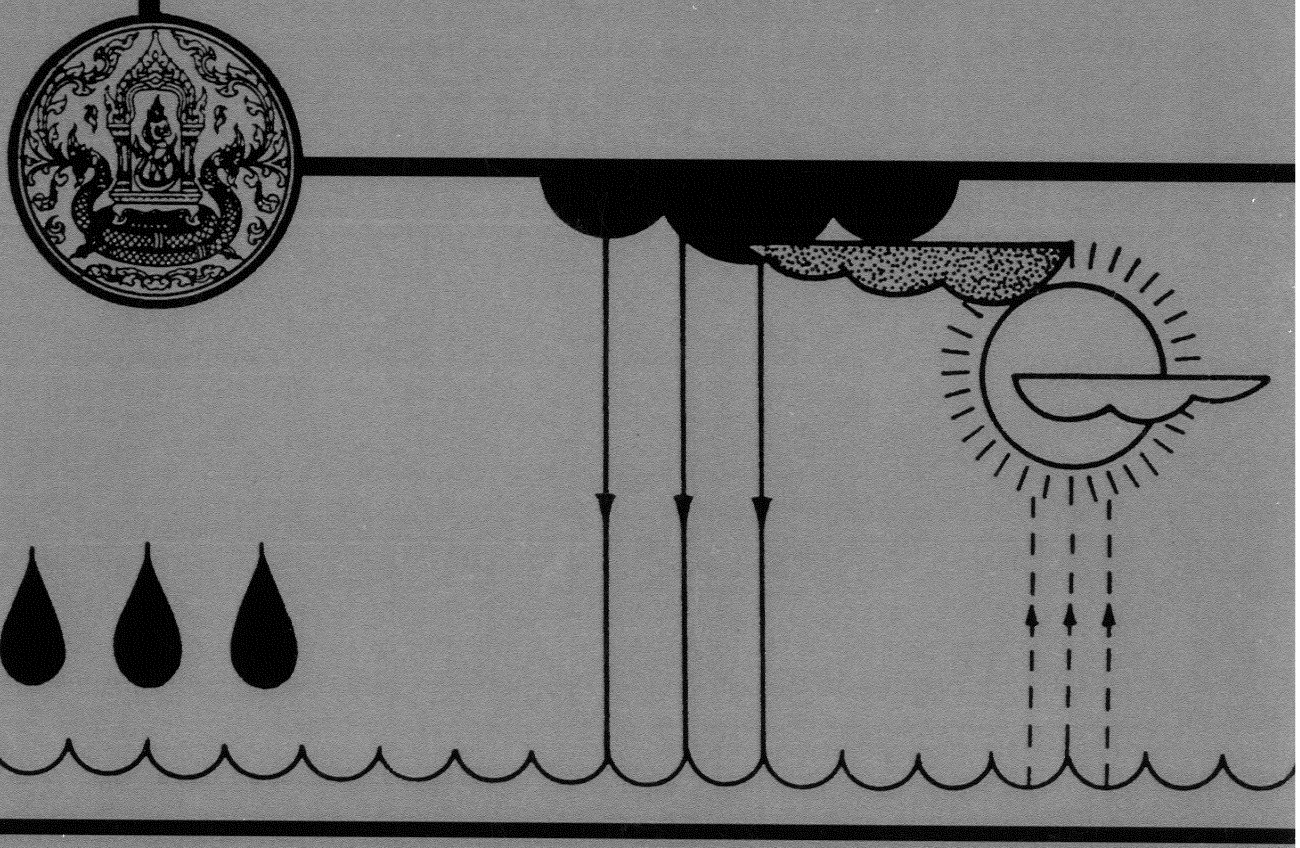
THAILAND
HYDROLOGICAL YEARBOOK

WATER YEAR 1984

VOLUME 27



ROYAL IRRIGATION DEPARTMENT
HYDROLOGY DIVISION
BANGKOK

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FOREWORD

The Programme of yearbook publications was initiated in 1966. Great efforts have been made in editing as well as the setting up of standard for yearbook publication. The previously proceeded data have been reviewed and arranged in serial order or volumes to be published. The first issue was published in 1968 as Volume 8. It presents records, during 1965 water year, of stage and discharge of 59 streams at 86 actual streamflow calibrating sites and at 27 previously calibrated ones. Up till now 26 volumes of yearbooks presenting streamflow data as early as 1912 up to 1983 totalling 4,754 station-years of record had been published.

This Volume 27 which is the twenty-seven issues of the series was prepared by the Data Processing Section. It Presents records, during 1984 water year, of stage and discharge of 191 streams at 211 currently calibrating sites and at 31 previously or subsequently calibrating ones.

Hydrology Division
February 1988

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

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

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

Also may we express our sincere wish to Hydrological Investigation Sections, Study and Discharge Analysis Unit and Study and Water-Level Analysis Unit for the complete issue of Thailand Hydrological yearbook Volume 27.

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February 1988

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33. Khlong Takhian at Ban Rim Khlong, Surat Thani (X.103) 518
34. Khlong Tha Krachai at Ban Samo Thong, Surat Thani (X.104) 519
35. Khlong Sadao at Ban Phrai, Songkhla (X.111). 520
36. Khlong Lam at Ban Thung Prap (1), Songkhla (X.113) 521
37. Kolok River at Sungai Kolok, Narathiwat (X.119) 522
38. Trang River at Ban Wang Yi, Trang (X.128A) 523
39. Khlong Tha Ma Dua at Ban Khlong Ai To, Phatthalung (X.129) 524

ILLUSSTRATION OF STREAM GAGING ACTIVITIES

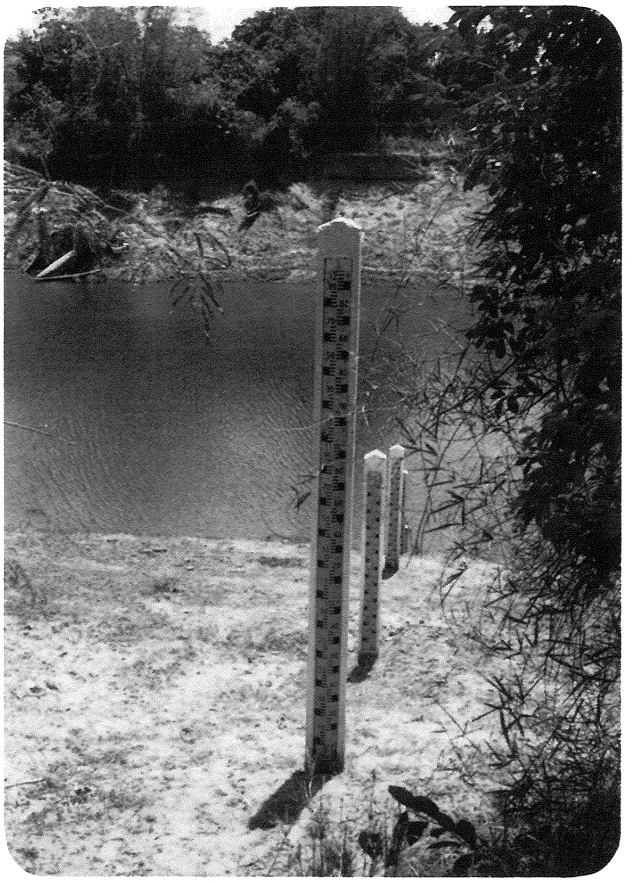


Fig. 1 Typical vertical staff gage

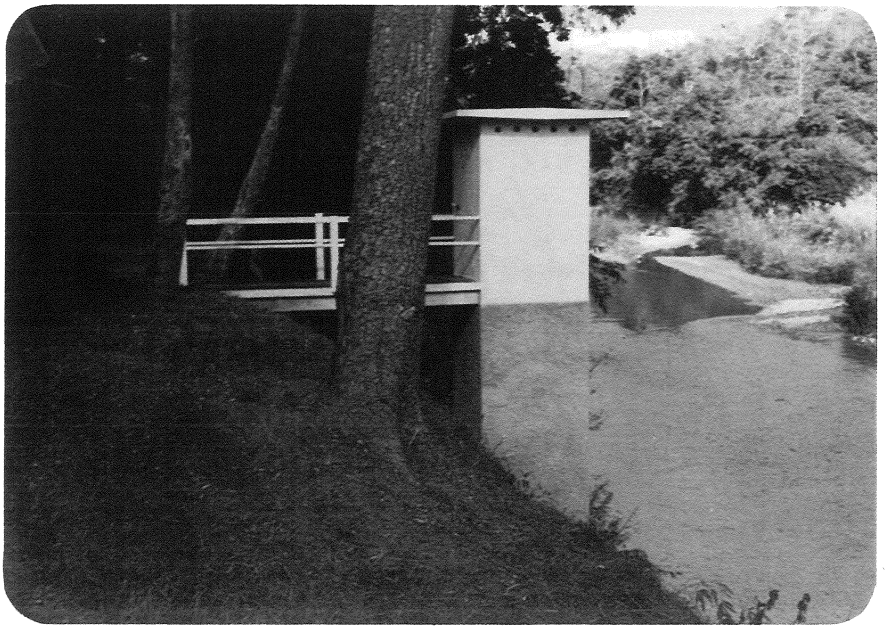


Fig. 2 Typical shelter for water level recorder (Float Type)





Fig. 3 Standard bench mark



Fig. 4 Close - up of rating operation

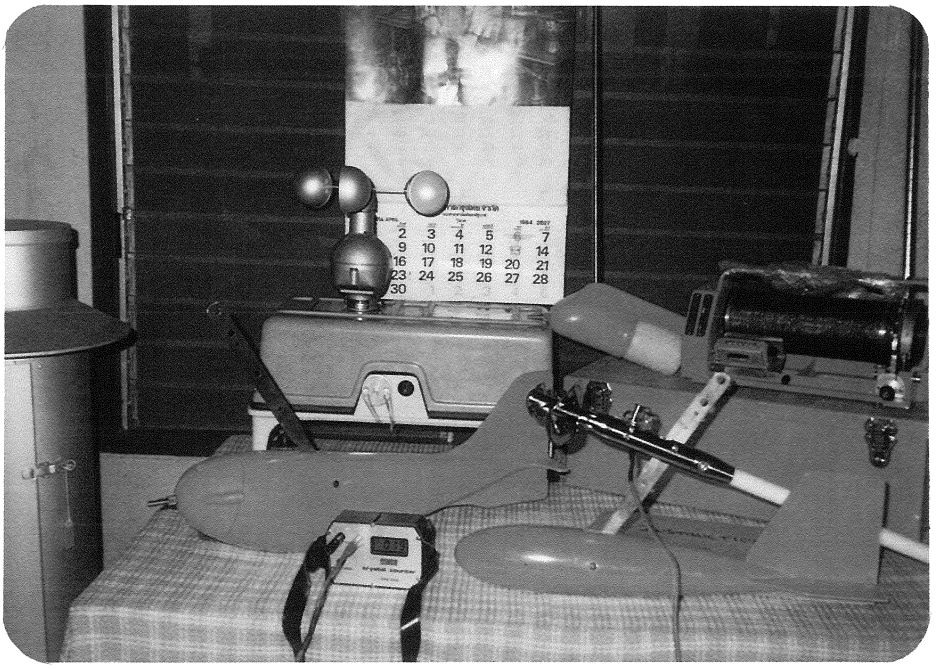


Fig. 5 Standard hydrologic equipment

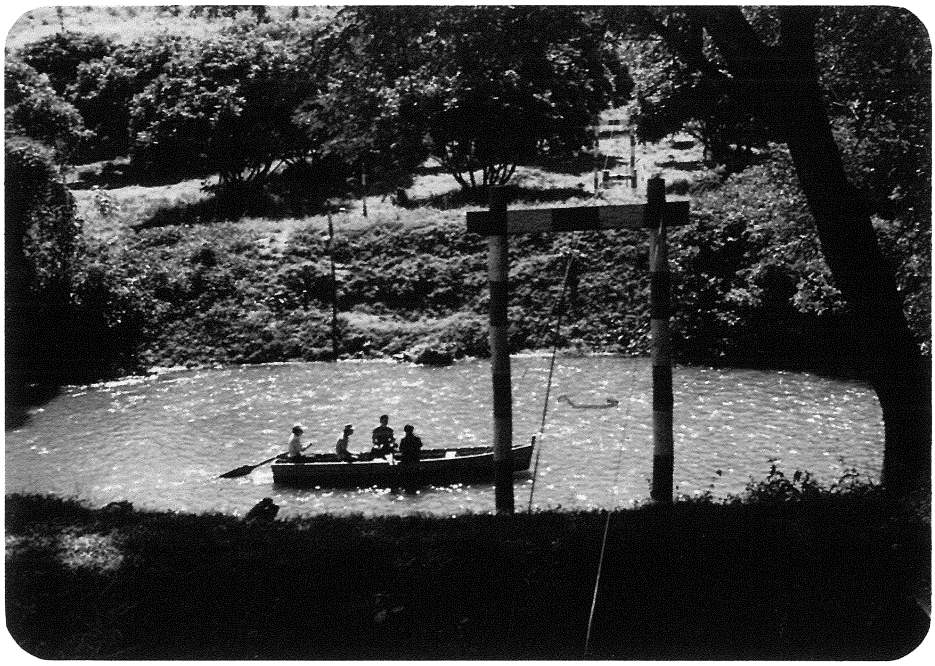


Fig. 6 Measuring line



Fig. 7 Camp for hydrological station

HYDROLOGICAL YEAR BOOK PUBLICATION

* * * * * * *

Introduction

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

Definition of terms and abbreviations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The water year is designated by the calendar year in which it begins and which includes 9 of 12 months. Thus, the year began April 1, 1969 is called the "1969 water year".

Order of listing of gaging data

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

Series of yearbook publications

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

Volume	Water Years	No. of station - years	Date of Issuance
1	1912 - 1937	112	September 1976
2	1938 - 1947	103	September 1976
3	1948 - 1953	146	September 1976
4	1954 - 1956	178	September 1976
5	1957 - 1959	203	May 1974

Volume	Water Years	No. of station-years	Date of issuance
6	1960 - 1962	213	October 1973
7	1963 - 1964	182	July 1969
8	1965	113	May 1967
9	1966	129	June 1975
10	1967	172	September 1976
11	1968	187	September 1976
12	1969	182	March 1979
13	1970	182	March 1979
14	1971	182	June 1979
15	1972	184	October 1979
16	1973	187	January 1980
17	1974	191	Mary 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

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

STANDARD OF STREAMFLOW DATA PROCUREMENT

* * * * * * * *

Network design

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

(a) Accessibility.

(b) Geographical location.

(c) Mean annual rainfall.

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

(e) Basin soil type.

(f) Type of surface rock.

Field work

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

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

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

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

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

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

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

Office data processing

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

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

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

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

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

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

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

flow computation, are practically made.

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

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

Review of procedure for streamflow data processing.

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

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

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

b) Discrepancies of recording charts, if any.

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

d) Datums of gage observation and of the rating curve used.

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

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

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

4) Checking stability of rating curve used.

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

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

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

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

Classification of streamflow data

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

Future plan for computerization

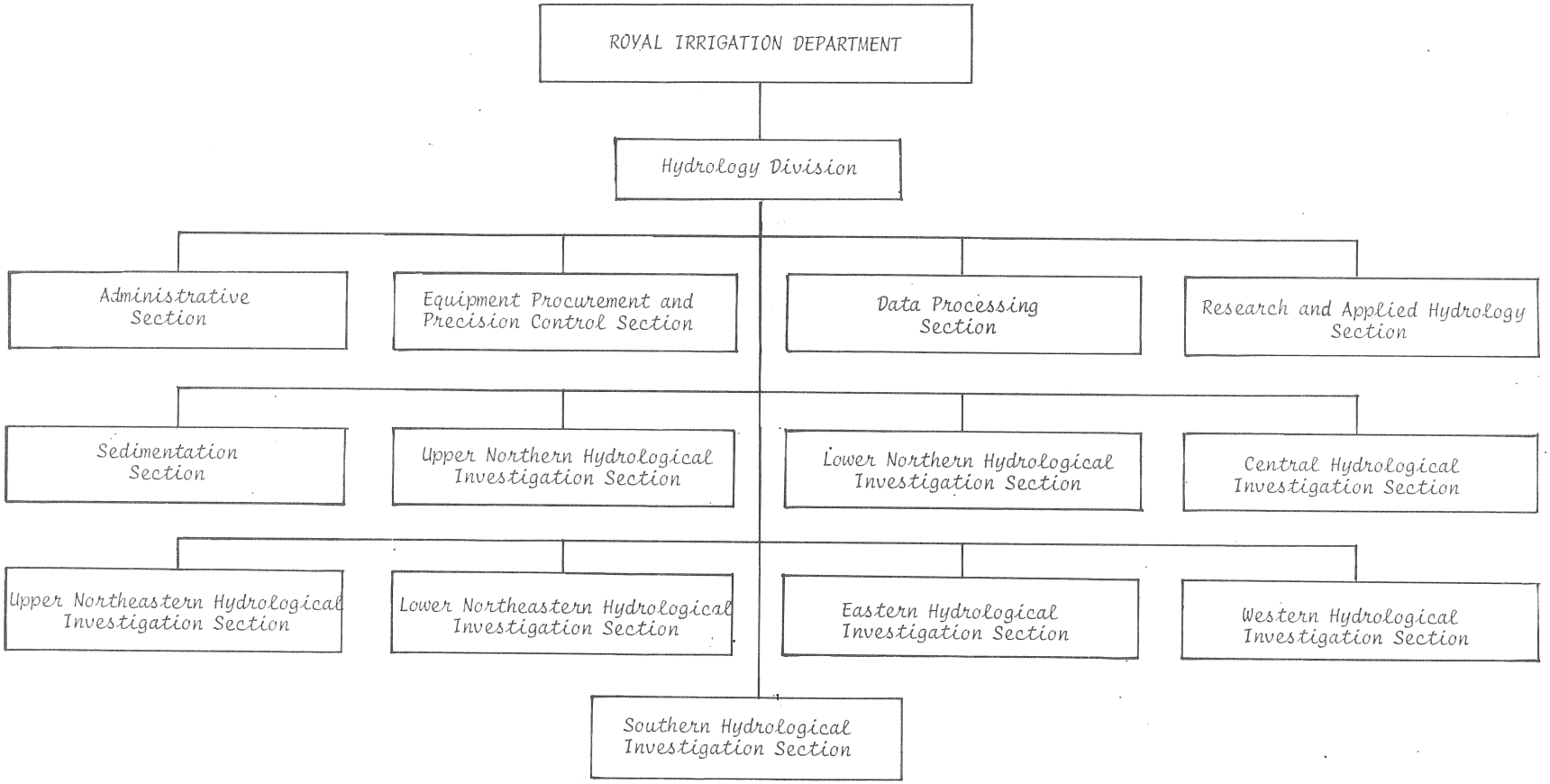
The Royal Irrigation Department (RID) has developed data system which includes computerization of storage, processing and retrieval of rainfall data since 1969. During the streamflow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement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

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

Organization

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

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


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

PARTICIPATION IN STREAM GAGING WORKS

* * * * * * * *

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

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

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

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

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

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

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

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

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

UNITS OF MEASURE AND CONVERSION FACTORS

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

Multiply metric or Thai units	By	To obtain English units
	Length	
millimeters (mm)	.03973	inches (in)
meters (m)	39.37	inches (in)
	3.2808	feet (ft)
	1.0936	yards (yd)
	.1988	rods
kilometers (km)	.6214	miles (mi)
	Area	
square meters (m^2)	10.76	square feet (ft^2)
	1.196	square yards (yd^2)
	2.47×10^{-4}	acres
rai (1,600 m^2-Thai)	.3952	acres
hectares (ha)	2.4709	acres
square hectometers (hm^2)	2.4709	acres
square kilometers (km^2)	247.1	acres
	.3861	square miles (mi^2)
	Volume	
liters (l)	.2642	gallons (gal)
cubic decimeters (dm^3)	.2642	gallons (gal)
	.03531	cubic feet (ft^3)
cubic meters (m^3)	264.2	gallons (gal)
	2.642×10^{-4}	million gallons (10^6 gal)
	35.31	cubic feet (ft^3)
	4.086×10^{-4}	cfs-day (ft^3/s-day)
	8.11×10^{-4}	acre-feet (acre-ft)
cubic hectometers (hm^3)	264.2	million gallons (10^6 gal)
	408.6	cfs-day (ft^3/s-day)
	811	acre-feet (acre-ft)
million cubic meters (mcm)	811	acre-feet (acre-ft)
cubic kilometers (km^3)	811×10^3	acre-feet (acre-ft)
	Flow	
liters per second (l/s)	.03531	cubic feet per second (ft^3/s)
	15.85	gallons per minute (gpm)
cubic decimeters per second (dm^3/s)	.03531	cubic feet per second (ft^3/s)
	15.85	gallons per minute (gpm)
	22.82×10^{-3}	million gallons per day(mgd)

Multiply metric or Thai units	By	To obtain English units
	Flow (Cont.)	
cubic meters per second (m^3/s)	35.31	cubic feet per second (ft^3/s)
	15,850	gallons per minute (gpm)
	22.82	million gallons per day(mgd)

* * * * * * * * *

Stream Gaging Data

Water Year 1984

WATER YEAR 1984

PING RIVER BASIN

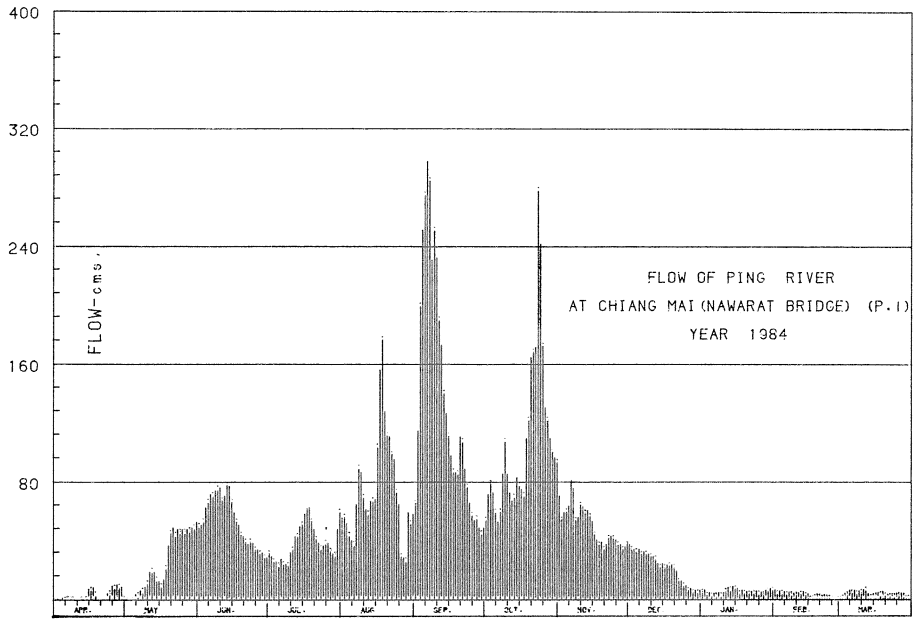
PING RIVER AT CHIANG MAI, CHIANG MAI (P.1)

LOCATION	LAT. 18-47-09 N., LONG. 99-00-29 E., ON LEFT BANK ABOUT 100 METERS DOWNSTREAM FROM NAWARAT BRIDGE, AMPHOE MUANG, CHIANG MAI.
DRAINAGE AREA	6,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+300.500 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+305.31 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1921 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	1936-1938
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE,BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 11,200 HECTARES AT MAE FAEK WEIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	300.97	301.19	301.87	301.67	301.91	302.01	301.91	302.04	301.88	301.60	301.60	301.48	
2	300.96	301.19	301.86	301.63	301.93	302.40	302.05	301.91	301.87	301.60	301.58	301.50	
3	300.99	301.18	301.90	301.61	301.87	303.02	302.13	301.94	301.86	301.55	301.58	301.54	
4	301.03	301.20	301.97	301.59	301.81	303.34	302.06	301.96	301.86	301.55	301.58	301.56	
5	301.07	301.23	302.02	301.58	301.75	303.50	301.96	301.98	301.86	301.54	301.57	301.59	
6	301.10	301.25	302.05	301.61	301.74	303.63	301.88	302.13	301.85	301.54	301.56	301.59	
7	301.11	301.27	302.06	301.59	301.99	303.56	301.96	302.04	301.85	301.54	301.56	301.59	
8	301.08	301.30	302.07	301.57	302.22	303.21	302.17	301.96	301.85	301.55	301.56	301.58	
9	301.06	301.32	302.10	301.58	302.18	303.35	302.36	301.96	301.84	301.54	301.54	301.58	
10	301.06	301.42	302.09	301.66	302.05	303.22	302.17	302.00	301.84	301.55	301.55	301.60	
11	301.08	301.51	302.03	301.70	301.96	302.96	302.08	301.99	301.83	301.61	301.55	301.60	
12	301.08	301.54	302.04	301.78	301.95	302.83	302.01	301.98	301.83	301.62	301.57	301.62	
13	301.09	301.51	302.12	301.80	302.01	302.61	302.05	301.98	301.80	301.62	301.57	301.53	
14	301.13	301.46	302.10	301.85	302.03	302.49	302.15	301.97	301.79	301.63	301.55	301.51	
15	301.29	301.41	302.02	301.88	302.02	302.39	302.12	301.95	301.80	301.63	301.53	301.53	
16	301.32	301.38	301.94	301.93	302.33	302.27	302.08	301.92	301.79	301.61	301.48	301.54	
17	301.31	301.43	301.90	301.98	302.71	302.20	302.06	301.90	301.79	301.58	301.50	301.55	
18	301.26	301.56	301.86	301.97	302.87	302.18	302.36	301.89	301.80	301.59	301.51	301.56	
19	301.20	301.71	301.81	301.90	302.50	302.19	302.47	301.89	301.79	301.58	301.53	301.57	
20	301.20	301.82	301.78	301.83	302.39	302.37	302.77	301.87	301.79	301.57	301.52	301.54	
21	301.20	301.84	301.76	301.78	302.37	302.36	302.81	301.88	301.75	301.57	301.51	301.52	
22	301.21	301.81	301.72	301.73	302.29	302.20	302.82	301.91	301.70	301.57	301.51	301.53	
23	301.24	301.83	301.76	301.71	302.25	302.11	303.52	301.91	301.68	301.58	301.51	301.53	
24	301.27	301.83	301.73	301.71	302.08	302.00	303.28	301.91	301.66	301.58	301.50	301.53	
25	301.34	301.83	301.70	301.75	301.99	301.94	302.84	301.90	301.64	301.57	301.50	301.54	
26	301.35	301.83	301.68	301.73	301.65	301.89	302.52	301.89	301.62	301.56	301.50	301.55	
27	301.36	301.83	301.67	301.69	301.62	301.92	302.47	301.88	301.61	301.56	301.48	301.54	
28	301.37	301.84	301.66	301.65	301.62	301.84	302.36	301.87	301.60	301.59	301.46	301.53	
29	301.32	301.84	301.64	301.66	301.94	301.82	302.30	301.87	301.59	301.61		301.50	
30	301.21	301.86	301.62	301.83	301.89	301.84	302.26	301.89	301.59	301.61		301.50	
31		301.88		301.96	301.93		302.25		301.59	301.62		301.50	
MEAN	301.18	301.55	301.88	301.74	302.06	302.52	302.33	301.94	301.76	301.58	301.53	301.55	
MAX	301.37	301.88	302.12	301.98	302.87	303.63	303.52	302.13	301.88	301.63	301.60	301.62	303.63
MIN	300.96	301.18	301.62	301.57	301.62	301.82	301.88	301.87	301.59	301.54	301.46	301.48	300.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 303.72 M (MSL), AT 19.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 300.50 M (MSL), RIVER BED 299.55 M (MSL)
LEFT BANK ELEVATION 307.83 M (MSL)
RIGHT BANK ELEVATION 307.70 M (MSL), DRAINAGE AREA 6355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	2.05	52.00	33.30	56.10	67.15	56.10	70.60	37.80	7.00	7.00	2.50	
2	0.60	2.05	51.00	29.70	58.30	115.00	71.75	56.10	36.20	7.00	6.20	3.00	
3	0.90	2.10	55.00	27.90	52.00	201.60	80.95	59.40	34.60	5.00	6.20	4.60	
4	1.45	2.00	62.70	26.10	46.00	251.40	72.90	61.60	34.60	5.00	6.20	5.40	
5	2.05	3.80	68.30	25.20	40.50	277.00	61.60	63.80	34.60	4.60	5.80	6.60	
6	2.50	5.00	71.75	27.90	39.60	298.10	53.00	80.95	33.00	4.60	5.40	6.60	
7	2.45	6.20	72.90	26.10	64.90	286.60	61.60	76.00	33.00	4.60	5.40	6.60	
8	2.20	8.00	74.05	24.30	91.60	231.05	85.55	56.00	33.00	5.00	5.40	6.20	
9	1.90	8.80	77.50	25.20	86.70	253.00	109.80	56.00	31.40	4.60	4.60	6.20	
10	1.90	13.20	76.35	32.40	71.75	232.60	85.55	66.00	31.40	5.00	5.00	7.00	
11	2.20	18.90	69.45	36.00	61.60	192.30	75.20	63.50	29.80	7.75	5.00	7.00	
12	2.20	21.60	70.60	43.20	60.50	173.20	67.15	61.00	29.80	8.50	5.80	8.50	
13	2.35	18.90	79.80	45.00	67.15	142.40	71.75	61.00	25.00	8.50	5.80	4.20	
14	2.35	15.60	77.50	50.00	69.45	126.70	83.25	58.50	23.95	9.25	5.00	3.40	
15	7.40	12.60	68.30	53.00	68.30	113.70	79.80	53.50	25.00	9.25	4.20	4.20	
16	8.80	11.20	59.40	58.30	105.90	98.10	75.20	46.00	23.95	7.75	2.50	4.60	
17	8.40	13.80	55.00	63.80	156.40	89.00	72.90	41.00	23.95	6.20	3.00	5.00	
18	5.60	23.40	51.00	62.70	178.80	86.70	109.80	39.40	25.00	6.60	3.40	5.40	
19	2.00	36.90	46.00	55.00	128.00	87.85	124.10	39.40	23.95	6.20	4.20	5.80	
20	2.00	47.00	43.20	48.00	113.70	111.10	164.80	36.20	23.95	5.80	3.80	4.60	
21	2.00	49.00	41.40	43.20	111.10	109.80	170.40	37.80	19.75	5.80	3.40	3.80	
22	2.60	46.00	37.80	38.70	100.70	89.00	171.80	43.50	14.50	5.80	3.40	4.20	
23	4.40	48.00	41.40	36.90	95.50	78.65	280.20	43.50	13.00	6.20	3.40	4.20	
24	6.20	48.00	38.70	36.90	75.20	66.00	241.90	43.50	11.50	6.20	3.00	4.20	
25	9.60	48.00	36.00	40.50	64.90	59.40	174.60	41.00	10.00	5.80	3.00	4.60	
26	10.00	48.00	34.20	38.70	31.50	54.00	130.60	39.40	8.50	5.40	3.00	5.00	
27	10.40	48.00	33.30	35.10	28.80	57.20	124.10	37.80	7.75	5.40	2.50	4.60	
28	10.80	49.00	32.40	31.50	28.80	49.00	109.80	36.20	7.00	6.60	2.00	4.20	
29	8.80	49.00	30.60	32.40	59.40	47.00	102.00	36.20	6.60	7.75		3.00	
30	2.60	51.00	28.80	48.00	54.00	49.00	96.80	39.40	6.60	7.75		3.00	
31		53.00		61.60	58.30		95.50		6.60	8.50		3.00	
TOTAL	127.35	810.10	1636.40	1236.60	2325.45	4093.60	3360.45	1544.25	705.75	199.40	123.60	151.20	16314.15 CMSDAY
MEAN	4.25	26.13	54.55	39.89	75.01	136.45	108.40	51.48	22.77	6.43	4.41	4.88	44.70 CMS
MAX	10.80	53.00	79.80	63.80	178.80	298.10	280.20	80.95	37.80	9.25	7.00	8.50	298.10 CMS
MIN	0.60	2.00	28.80	24.30	28.80	47.00	53.00	36.20	6.60	4.60	2.00	2.50	0.60 CMS
RUNOFF	11.003	69.993	141.385	106.842	200.919	353.687	290.343	133.423	60.977	17.228	10.679	13.064	1409.543 MCM

MOMENTARY PEAK 313.40 CMS, AT 303.72 M (MSL), AT 19.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 7.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 49.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

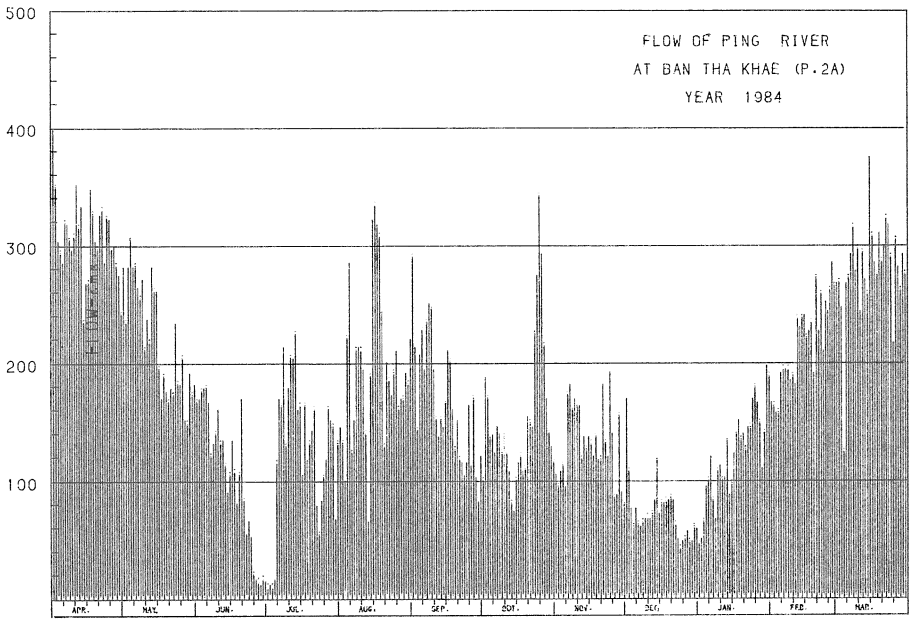
PING RIVER AT BAN THA KHAE, TAK (P.2A)

LOCATION	LAT. 16-51-14 N., LONG. 99-07-50 E., ON RIGHT BANK ABOUT 200 METERS DOWNSTREAM FROM KITTIKHACHON I BRIDGE, BAN THA KHAE, AMPHOE MUANG, TAK.
DRAINAGE AREA	38,862 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+104.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+115.321 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952-1960, 1963-1967, 1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952-1960, 1963-1967, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR SINCE 1964. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 40,300 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	105.93	105.62	105.28	104.60	105.20	105.65	105.04	105.05	105.28	104.80	105.27	105.58	
2	105.81	105.49	105.28	104.59	105.16	105.42	105.34	105.02	105.07	104.81	105.27	105.59	
3	105.68	105.62	105.31	104.60	105.03	105.20	105.29	105.06	104.93	104.89	105.24	105.52	
4	105.66	105.69	105.31	104.62	105.45	105.40	105.17	105.09	104.88	105.01	105.25	105.13	
5	105.63	105.62	105.32	105.10	105.63	105.47	105.19	105.01	104.93	105.04	105.35	105.58	
6	105.73	105.63	105.27	105.28	105.13	105.36	105.12	105.30	104.88	105.11	105.37	105.60	
7	105.72	105.57	105.12	105.27	105.22	105.49	105.21	105.32	104.86	104.97	105.36	105.65	
8	105.69	105.55	105.15	105.42	105.42	105.53	105.18	105.26	104.89	104.89	105.37	105.72	
9	105.66	105.59	105.19	105.15	105.42	105.53	105.13	105.28	104.89	105.07	105.33	105.61	
10	105.70	105.42	105.25	105.31	105.42	105.36	105.18	105.27	104.91	105.08	105.35	105.67	
11	105.81	105.49	105.16	105.40	105.36	105.23	105.13	105.26	104.89	105.04	105.32	105.51	
12	105.72	105.44	105.16	105.39	105.19	105.17	105.06	105.11	104.92	105.04	105.50	105.66	
13	105.76	105.62	105.09	105.46	104.88	105.23	104.96	105.17	104.96	105.17	105.47	105.59	
14	105.49	105.57	104.99	105.25	105.35	105.20	104.92	105.14	105.11	104.98	105.50	105.56	
15	105.58	105.56	105.06	105.27	105.73	105.28	105.04	105.17	104.91	105.03	105.50	105.87	
16	105.59	105.37	105.16	105.05	105.77	105.41	105.09	105.16	104.96	105.12	105.45	105.70	
17	105.80	105.28	105.07	105.27	105.72	105.39	105.12	105.11	104.95	105.19	105.46	105.63	
18	105.75	105.35	104.95	105.10	105.70	105.25	105.06	105.18	104.97	105.22	105.49	105.61	
19	105.68	105.30	105.06	105.16	105.51	105.14	105.08	105.10	104.96	105.17	105.35	105.70	
20	105.67	105.28	105.28	105.19	105.15	105.22	105.23	105.11	104.98	105.18	105.60	105.64	
21	105.74	105.31	104.97	105.26	105.38	105.11	105.22	105.32	104.96	105.14	105.46	105.67	
22	105.76	105.30	104.83	104.94	105.34	105.09	105.20	105.16	104.88	105.20	105.56	105.74	
23	105.63	105.48	104.90	104.84	105.29	105.06	105.46	105.11	104.81	105.21	105.41	105.72	
24	105.74	105.33	104.82	104.96	105.36	105.09	105.60	105.36	104.78	105.28	105.54	105.65	
25	105.73	105.32	104.66	105.05	105.41	105.27	105.79	105.18	104.80	105.32	105.51	105.43	
26	105.67	105.40	104.62	105.10	105.26	105.08	105.65	104.98	104.82	105.27	105.57	105.69	
27	105.67	105.22	104.63	105.26	105.28	105.29	105.43	104.98	104.84	105.22	105.63	105.62	
28	105.63	105.22	104.59	105.22	105.29	105.04	105.28	105.24	104.81	105.07	105.58	105.57	
29	105.60	105.35	104.64	105.21	105.35	104.97	105.19	104.99	104.80	105.19		105.65	
30	105.51	105.30	104.61	104.89	105.33	105.11	105.14	104.96	104.87	105.37		105.61	
31		105.32		105.16	105.44		105.10		104.85	105.35		105.61	
MEAN	105.69	105.44	105.02	105.11	105.36	105.27	105.21	105.15	104.91	105.11	105.43	105.62	
MAX	105.93	105.69	105.32	105.46	105.77	105.65	105.79	105.36	105.28	105.37	105.63	105.87	105.93
MIN	105.49	105.22	104.59	104.59	104.88	104.97	104.92	104.96	104.78	104.80	105.24	105.13	104.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 106.12 M (MSL), AT 10.00 HOURS, ON AUG 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 104.00 M (MSL), RIVER BED 104.15 M (MSL)
LEFT BANK ELEVATION 109.72 M (MSL)
RIGHT BANK ELEVATION 115.96 M (MSL), DRAINAGE AREA 38862 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	398.70	282.20	170.00	13.50	146.00	293.00	103.20	105.75	170.00	49.00	167.00	268.20	
2	352.35	237.65	170.00	12.15	135.00	214.20	188.60	98.10	110.85	51.10	167.00	271.60	
3	303.80	282.20	179.15	13.50	100.65	146.00	173.00	108.30	76.90	67.90	158.00	247.80	
4	296.60	307.40	179.15	16.90	224.25	207.50	137.75	115.95	65.80	95.55	161.00	126.75	
5	285.80	282.20	182.30	118.50	285.80	230.95	143.25	95.55	76.90	103.20	191.75	268.20	
6	322.25	285.80	167.00	170.00	126.75	194.90	124.00	176.00	65.80	121.25	198.05	275.00	
7	318.50	264.80	124.00	167.00	152.00	237.65	149.00	182.30	61.60	86.10	194.90	293.00	
8	307.40	258.00	132.25	214.20	214.20	251.20	140.50	164.00	67.90	67.90	198.05	318.50	
9	296.60	271.60	143.25	132.25	214.20	251.20	126.75	170.00	67.90	110.85	185.45	278.60	
10	311.00	214.20	161.00	179.15	214.20	194.90	140.50	167.00	72.30	113.40	191.75	300.20	
11	352.35	237.65	135.00	207.50	194.90	155.00	126.75	164.00	67.90	103.20	182.30	244.40	
12	318.50	220.90	135.00	204.35	143.25	137.75	108.30	121.25	74.60	103.20	241.00	296.60	
13	333.50	282.20	115.95	227.60	65.80	155.00	83.80	137.75	83.80	137.75	230.95	271.60	
14	237.65	264.80	90.70	161.00	191.75	146.00	74.60	129.50	121.25	88.40	241.00	261.40	
15	268.20	261.40	108.30	167.00	322.25	170.00	103.20	137.75	72.30	100.65	241.00	375.45	
16	271.60	198.05	135.00	105.75	337.25	210.85	115.95	135.00	83.80	124.00	224.25	311.00	
17	348.50	170.00	110.85	167.00	318.50	204.35	124.00	121.25	81.50	143.25	227.60	285.80	
18	329.75	191.75	81.50	118.50	311.00	161.00	108.30	140.50	86.10	152.00	237.65	278.60	
19	303.80	176.00	108.30	135.00	244.40	129.50	113.40	118.50	83.80	137.75	191.75	311.00	
20	300.20	170.00	170.00	143.25	132.25	152.00	155.00	121.25	88.40	140.50	275.00	289.40	
21	326.00	179.15	86.10	164.00	201.20	121.25	152.00	182.30	83.80	129.50	227.60	300.20	
22	333.50	176.00	55.30	79.20	188.60	115.95	146.00	135.00	65.80	146.00	261.40	326.00	
23	285.80	234.30	70.00	57.40	173.00	108.30	227.60	121.25	51.10	149.00	210.85	318.50	
24	326.00	185.45	53.20	83.80	194.90	115.95	275.00	194.90	45.30	170.00	254.60	293.00	
25	322.25	182.30	23.70	105.75	210.85	167.00	344.75	140.50	49.00	182.30	244.40	217.55	
26	300.20	207.50	16.90	118.50	164.00	113.40	293.00	88.40	53.20	167.00	264.80	307.40	
27	300.20	152.00	18.60	164.00	170.00	173.00	217.55	88.40	57.40	152.00	285.80	282.20	
28	285.80	152.00	12.15	152.00	173.00	103.20	170.00	158.00	51.10	110.85	268.20	264.80	
29	275.00	191.75	20.30	149.00	191.75	86.10	143.25	90.70	49.00	143.25		293.00	
30	244.40	176.00	15.20	67.90	185.45	121.25	129.50	83.80	63.70	198.05		278.60	
31		182.30		135.00	220.90		118.50		59.50	191.75		278.60	
TOTAL	9256.20	6877.55	3170.15	3950.65	6148.05	5068.35	4757.00	3992.95	2308.30	3836.65	6123.10	8732.95	64221.91 CMSDAY
MEAN	308.54	221.86	105.67	127.44	198.32	168.95	153.45	133.10	74.46	123.76	218.68	281.71	175.95 CMS
MAX	398.70	307.40	182.30	227.60	337.25	293.00	344.75	194.90	170.00	198.05	285.80	375.45	398.70 CMS
MIN	237.65	152.00	12.15	12.15	65.80	86.10	74.60	83.80	45.30	49.00	158.00	126.75	12.15 CMS
RUNOFF	799.736	594.220	273.901	341.336	531.192	437.905	411.005	344.991	199.437	331.487	529.036	754.527	5548.773 MCM

MOMENTARY PEAK 474.20 CMS, AT 106.12 M (MSL), AT 10.00 HOURS, ON AUG 16, 1984

RUNOFF YIELD 4.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

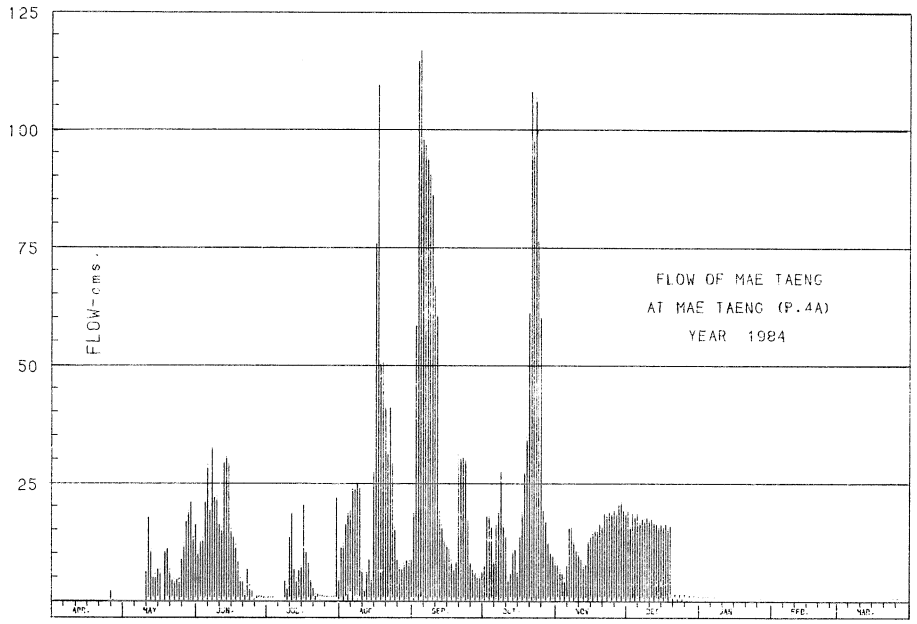
MAE TAENG RIVER AT MAE TAENG, CHIANG MAI (P.4A)

LOCATION	LAT. 19-07-15 N., LONG. 98-56-51 E., ON RIGHT BANK AT THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE TAENG, CHIANG MAI.
DRAINAGE AREA	1,902 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+333.745 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF AMPHOE MAE TAENG OFFICE.
ELEVATION	+338.736 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 23,700 HECTARES AT MAE TAENG WIER. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	334.66	334.66	335.42	334.82	335.45	335.74	335.32	335.29	335.74	334.84	334.77	334.72	
2	334.66	334.66	335.50	334.82	335.49	336.69	335.70	335.24	335.64	334.83	334.77	334.75	
3	334.67	334.66	335.54	334.82	335.64	337.48	335.72	335.19	335.73	334.84	334.77	334.77	
4	334.67	334.66	335.80	334.81	335.74	337.50	335.62	335.14	335.72	334.83	334.78	334.79	
5	334.67	334.67	336.03	334.81	335.74	337.29	335.34	335.28	335.72	334.83	334.80	334.76	
6	334.67	334.67	335.74	334.80	335.90	337.27	335.64	335.64	335.67	334.83	334.79	334.75	
7	334.67	334.67	336.14	334.80	335.88	337.24	335.74	335.62	335.68	334.82	334.78	334.75	
8	334.67	334.67	335.83	335.10	335.94	337.19	335.99	335.52	335.68	334.81	334.78	334.75	
9	334.66	334.67	335.84	335.05	335.89	337.14	335.64	335.42	335.69	334.79	334.77	334.75	
10	334.66	335.24	335.64	335.54	335.24	336.84	335.54	335.41	335.69	334.77	334.76	334.74	
11	334.66	335.69	335.62	335.74	334.94	336.74	335.14	335.34	335.68	334.76	334.76	334.74	
12	334.66	335.44	336.04	335.24	335.24	335.74	335.19	335.30	335.68	334.76	334.76	334.74	
13	334.66	335.14	336.09	335.14	335.34	335.64	335.43	335.29	335.64	334.74	334.75	334.74	
14	334.66	335.19	336.04	335.23	335.14	335.53	335.43	335.52	335.64	334.74	334.75	334.73	
15	334.66	335.24	335.61	335.31	335.99	335.49	335.20	335.54	335.64	334.74	334.75	334.73	
16	334.66	335.24	335.54	335.78	336.99	335.44	335.54	335.59	335.64	334.74	334.74	334.73	
17	334.66	334.74	335.48	335.44	337.42	335.34	335.73	335.59	335.64	334.74	334.74	334.73	
18	334.66	335.44	335.32	335.31	336.54	335.23	335.98	335.61	335.63	334.77	334.74	334.72	
19	334.66	335.44	335.14	335.14	336.54	335.35	336.19	335.64	335.63	334.77	334.74	334.72	
20	334.65	335.24	335.09	334.99	336.34	336.09	336.74	335.64	334.88	334.77	334.73	334.73	
21	334.65	335.11	334.94	334.94	336.09	336.08	337.41	335.72	334.88	334.77	334.73	334.73	
22	334.65	335.13	335.24	334.89	336.34	336.07	337.28	335.72	334.88	334.77	334.73	334.74	
23	334.65	335.12	335.04	334.86	336.04	336.07	337.39	335.73	334.88	334.76	334.73	334.75	
24	334.65	335.13	334.94	334.86	335.62	335.67	336.99	335.74	334.88	334.76	334.73	334.77	
25	334.94	335.34	334.74	334.84	335.34	335.33	336.73	335.74	334.88	334.76	334.72	334.77	
26	334.65	335.49	334.84	334.84	335.29	335.24	335.74	335.74	334.85	334.77	334.72	334.77	
27	334.69	335.66	334.84	334.84	335.24	335.23	335.69	335.78	334.85	334.77	334.72	334.75	
28	334.68	335.74	334.84	334.84	335.31	335.14	335.49	335.82	334.85	334.77	334.72	334.74	
29	334.68	335.80	334.82	334.84	335.33	335.19	335.43	335.74	334.84	334.77		334.74	
30	334.68	335.54	334.82	335.83	335.33	335.21	335.37	335.74	334.84	334.77		334.74	
31		335.64		335.14	335.34		335.33		334.84	334.77		334.74	
MEAN	334.67	335.15	335.42	335.08	335.76	336.07	335.86	335.54	335.36	334.78	334.75	334.74	
MAX	334.94	335.80	336.14	335.83	337.42	337.50	337.41	335.82	335.74	334.84	334.80	334.79	337.50
MIN	334.65	334.66	334.74	334.80	334.94	335.14	335.14	335.14	334.84	334.74	334.72	334.72	334.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 337.59 M (MSL), AT 18.00 HOURS, ON SEP 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 333.74 M (MSL), RIVER BED 334.76 M (MSL)
LEFT BANK ELEVATION 339.83 M (MSL)
RIGHT BANK ELEVATION 339.83 M (MSL), DRAINAGE AREA 1902 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.18	10.66	0.88	11.35	19.20	8.36	7.71	19.20	1.06	0.58	0.38	
2	0.18	0.18	12.50	0.88	12.27	58.47	18.00	6.76	16.26	0.97	0.58	0.50	
3	0.21	0.18	13.54	0.88	16.26	115.15	18.60	5.83	18.90	1.06	0.58	0.58	
4	0.21	0.18	21.00	0.79	19.20	117.00	15.68	4.98	18.60	0.97	0.62	0.66	
5	0.21	0.21	28.94	0.79	19.20	98.45	8.82	7.52	18.60	0.97	0.70	0.54	
6	0.21	0.21	19.20	0.70	24.40	96.85	16.26	16.26	17.13	0.97	0.66	0.50	
7	0.21	0.21	33.04	0.70	23.72	94.45	19.20	15.68	17.42	0.88	0.62	0.50	
8	0.21	0.21	22.02	4.30	25.76	90.52	27.46	13.02	17.42	0.79	0.62	0.50	
9	0.18	0.21	22.36	3.55	24.06	86.90	16.26	10.66	17.71	0.66	0.58	0.50	
10	0.18	6.76	16.26	13.54	6.76	66.90	13.54	10.43	17.71	0.58	0.54	0.46	
11	0.18	17.71	15.68	19.20	2.08	61.20	4.98	8.82	17.42	0.54	0.54	0.46	
12	0.18	11.12	29.32	6.76	6.76	19.20	5.83	7.90	17.42	0.54	0.54	0.46	
13	0.18	4.98	31.22	4.98	8.82	16.26	10.89	7.71	16.26	0.46	0.50	0.46	
14	0.18	5.83	29.32	6.57	4.98	13.28	10.89	13.02	16.26	0.46	0.50	0.42	
15	0.18	6.76	15.39	8.13	27.46	12.27	6.00	13.54	16.26	0.46	0.50	0.42	
16	0.18	6.76	13.54	20.40	76.35	11.12	13.54	14.84	16.26	0.46	0.46	0.42	
17	0.18	0.46	12.04	11.12	109.60	8.82	18.90	14.84	16.26	0.46	0.46	0.42	
18	0.18	11.12	8.36	8.13	50.84	6.57	27.12	15.39	15.97	0.58	0.46	0.38	
19	0.18	11.12	4.98	4.98	50.84	9.05	34.84	16.26	15.97	0.58	0.46	0.38	
20	0.15	6.76	4.15	2.68	41.57	31.22	61.20	16.26	1.42	0.58	0.42	0.42	
21	0.15	4.47	2.08	2.08	31.22	30.84	108.68	18.60	1.42	0.58	0.42	0.42	
22	0.15	4.81	6.76	1.51	41.57	30.46	97.65	18.60	1.42	0.58	0.42	0.46	
23	0.15	4.64	3.40	1.24	29.32	30.46	106.90	18.90	1.42	0.54	0.42	0.50	
24	0.15	4.81	2.08	1.24	15.68	17.13	76.35	19.20	1.42	0.54	0.42	0.58	
25	2.08	8.82	0.46	1.06	8.82	8.59	60.65	19.20	1.42	0.54	0.38	0.58	
26	0.27	12.27	1.06	1.06	7.71	6.76	19.20	19.20	1.15	0.58	0.38	0.58	
27	0.27	16.84	1.06	1.06	6.76	6.57	17.71	20.40	1.15	0.58	0.38	0.50	
28	0.24	19.20	1.06	1.06	8.13	4.98	12.27	21.68	1.15	0.58	0.38	0.46	
29	0.24	21.00	0.88	1.06	8.59	5.83	10.89	19.20	1.06	0.58		0.46	
30	0.24	13.54	0.88	22.02	8.59	6.19	9.51	19.20	1.06	0.58		0.46	
31		16.26		4.98	8.82		8.59		1.06	0.58		0.46	
TOTAL	7.69	217.81	383.24	158.33	737.49	1180.69	884.77	421.61	342.18	20.29	14.12	14.82	4383.04 CMSDAY
MEAN	0.26	7.03	12.77	5.11	23.79	39.36	28.54	14.05	11.04	0.65	0.50	0.48	12.01 CMS
MAX	2.08	21.00	33.04	22.02	109.60	117.00	108.68	21.68	19.20	1.06	0.70	0.66	117.00 CMS
MIN	0.15	0.18	0.46	0.70	2.08	4.98	4.98	4.98	1.06	0.46	0.38	0.38	0.15 CMS
RUNOFF	0.664	18.819	33.112	13.680	63.719	102.012	76.444	36.427	29.564	1.753	1.220	1.280	378.695 MCM

MOMENTARY PEAK 125.55 CMS, AT 337.59 M (MSL), AT 18.00 HOURS, ON SEP 3, 1984

RUNOFF YIELD 6.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 66.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

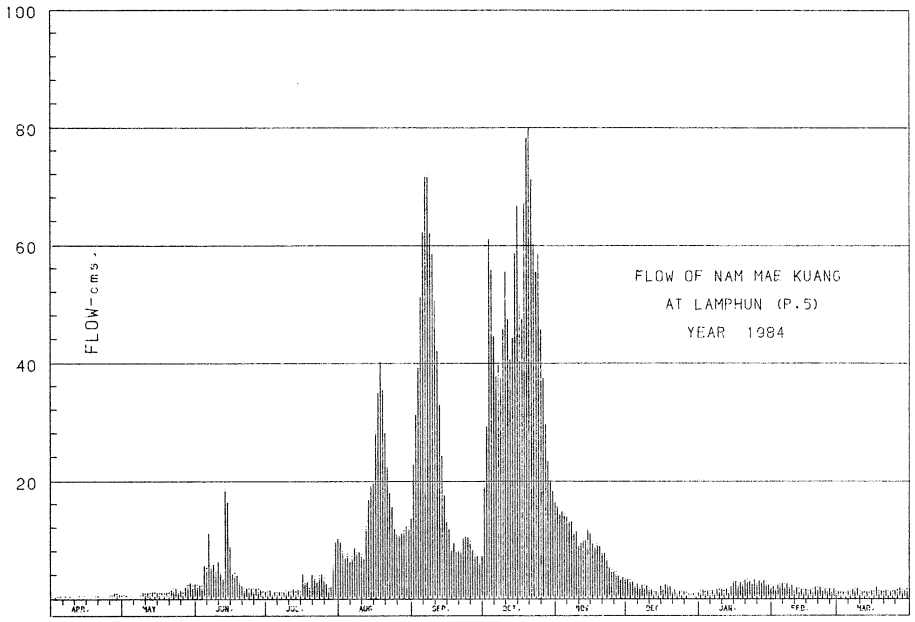
NAM MAE KUANG AT LAMPHUN, LAMPHUN (P.5)

LOCATION	LAT. 18-34-32 N., LONG. 99-00-44 E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THA SING PHITAK BRIDGE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	1,569 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+288.50 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+295.680 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 9,600 HECTARES AT MAE KUANG WEIR. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	289.01	289.11	289.34	289.21	289.89	290.62	290.43	290.24	289.43	289.22	289.30	289.19	
2	289.02	289.09	289.33	289.23	289.80	290.97	290.89	290.19	289.42	289.23	289.30	289.18	
3	289.06	289.09	289.33	289.19	289.71	291.31	292.04	290.20	289.39	289.20	289.33	289.18	
4	289.07	289.09	289.62	289.19	289.77	291.71	291.86	290.18	289.35	289.20	289.35	289.17	
5	289.08	289.07	289.60	289.19	289.67	292.08	291.50	290.15	289.35	289.22	289.36	289.20	
6	289.07	289.09	289.98	289.19	289.74	292.34	291.23	290.12	289.33	289.22	289.35	289.20	
7	289.06	289.09	289.62	289.18	289.83	292.35	291.32	290.10	289.33	289.22	289.35	289.24	
8	289.07	289.11	289.64	289.18	289.79	292.06	291.22	290.00	289.33	289.24	289.35	289.27	
9	289.07	289.17	289.54	289.23	289.79	291.96	291.54	290.00	289.32	289.25	289.32	289.26	
10	289.07	289.17	289.67	289.21	289.76	291.69	291.85	289.87	289.28	289.24	289.30	289.21	
11	289.08	289.17	289.54	289.21	289.70	291.41	291.60	289.88	289.24	289.22	289.28	289.18	
12	289.08	289.18	289.43	289.25	290.05	291.04	291.34	289.93	289.20	289.25	289.27	289.19	
13	289.08	289.18	290.40	289.21	290.30	290.69	291.49	289.91	289.20	289.23	289.24	289.18	
14	289.09	289.19	290.28	289.24	290.44	290.34	291.95	290.04	289.24	289.30	289.24	289.17	
15	289.04	289.17	289.87	289.21	290.44	290.12	292.21	289.98	289.31	289.43	289.25	289.21	
16	289.04	289.17	289.51	289.51	290.85	290.02	291.67	289.90	289.32	289.39	289.22	289.21	
17	289.05	289.17	289.53	289.41	291.12	289.83	291.60	289.83	289.34	289.37	289.23	289.29	
18	289.05	289.17	289.49	289.38	291.34	289.88	292.21	289.88	289.37	289.37	289.25	289.22	
19	289.08	289.18	289.41	289.34	291.14	289.81	292.54	289.85	289.30	289.39	289.29	289.21	
20	289.08	289.19	289.32	289.50	290.86	289.80	292.58	289.80	289.24	289.42	289.29	289.20	
21	289.07	289.23	289.28	289.48	290.58	289.81	292.34	289.78	289.23	289.43	289.29	289.22	
22	289.07	289.28	289.27	289.38	290.39	289.93	292.00	289.71	289.22	289.39	289.27	289.22	
23	289.07	289.27	289.28	289.49	290.24	289.97	291.86	289.60	289.20	289.40	289.25	289.18	
24	289.10	289.23	289.27	289.51	290.05	289.94	291.95	289.57	289.21	289.42	289.26	289.21	
25	289.10	289.22	289.27	289.45	289.97	289.90	291.54	289.54	289.19	289.40	289.26	289.22	
26	289.11	289.18	289.27	289.35	289.98	289.81	291.22	289.54	289.18	289.40	289.24	289.24	
27	289.15	289.29	289.27	289.28	289.98	289.76	290.92	289.48	289.14	289.42	289.25	289.27	
28	289.16	289.34	289.23	289.30	290.01	289.74	290.63	289.47	289.10	289.41	289.21	289.25	
29	289.11	289.37	289.21	289.63	290.05	289.68	290.49	289.46	289.14	289.38		289.21	
30	289.10	289.33	289.20	289.89	290.05	289.74	290.38	289.48	289.16	289.33		289.26	
31		289.35		289.95	290.13		290.30		289.16	289.33		289.24	
MEAN	289.08	289.19	289.50	289.35	290.17	290.61	291.51	289.86	289.27	289.32	289.28	289.22	
MAX	289.16	289.37	290.40	289.95	291.34	292.35	292.58	290.24	289.43	289.43	289.36	289.29	292.58
MIN	289.01	289.07	289.20	289.18	289.67	289.68	290.30	289.46	289.10	289.20	289.21	289.17	289.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 292.59 M (MSL), AT 6.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 288.50 M (MSL), RIVER BED 288.80 M (MSL)
LEFT BANK ELEVATION 295.68 M (MSL)
RIGHT BANK ELEVATION 295.70 M (MSL), DRAINAGE AREA 1569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.66	2.40	1.28	9.59	23.18	19.35	15.58	3.33	1.36	2.00	1.14	
2	0.20	0.55	2.30	1.44	8.10	31.25	29.27	14.63	3.22	1.44	2.00	1.08	
3	0.40	0.55	2.30	1.14	6.84	39.78	61.44	14.80	2.90	1.20	2.30	1.08	
4	0.45	0.55	5.58	1.14	7.68	51.21	55.86	14.46	2.50	1.20	2.50	1.02	
5	0.50	0.45	5.30	1.14	6.28	62.68	45.00	13.95	2.50	1.36	2.60	1.20	
6	0.45	0.55	11.07	1.14	7.26	71.65	37.75	13.44	2.30	1.36	2.50	1.20	
7	0.40	0.55	5.58	1.08	8.59	72.00	40.05	13.10	2.30	1.36	2.50	1.52	
8	0.45	0.66	5.86	1.08	7.96	62.06	37.50	11.40	2.30	1.52	2.50	1.76	
9	0.45	1.02	4.58	1.44	7.96	58.96	46.16	11.40	2.20	1.60	2.20	1.68	
10	0.45	1.02	6.28	1.28	7.54	50.60	55.55	9.26	1.84	1.52	2.00	1.28	
11	0.50	1.02	4.58	1.28	6.70	42.53	47.90	9.42	1.52	1.36	1.84	1.08	
12	0.50	1.08	3.33	1.60	12.25	33.00	40.60	10.24	1.20	1.60	1.76	1.14	
13	0.50	1.08	18.75	1.28	16.75	24.68	44.72	9.92	1.20	1.44	1.52	1.08	
14	0.55	1.14	16.36	1.52	19.55	17.55	58.65	12.08	1.52	2.00	1.52	1.02	
15	0.30	1.02	9.26	1.28	19.55	13.44	67.10	11.07	2.10	3.33	1.60	1.28	
16	0.30	1.02	4.22	4.22	28.35	11.74	50.00	9.75	2.20	2.90	1.36	1.28	
17	0.35	1.02	4.46	3.11	35.00	8.59	47.90	8.59	2.40	2.70	1.44	1.92	
18	0.35	1.02	3.99	2.80	40.60	9.42	67.10	9.42	2.70	2.70	1.60	1.36	
19	0.50	1.08	3.11	2.40	35.50	8.27	78.65	8.93	2.00	2.90	1.92	1.28	
20	0.50	1.14	2.20	4.10	28.58	8.10	80.05	8.10	1.52	3.22	1.92	1.20	
21	0.45	1.44	1.84	3.88	22.35	8.27	71.65	7.82	1.44	3.33	1.92	1.36	
22	0.45	1.84	1.76	2.80	18.55	10.24	60.20	6.84	1.36	2.90	1.76	1.36	
23	0.45	1.76	1.84	3.99	15.58	10.91	55.86	5.30	1.20	3.00	1.60	1.08	
24	0.60	1.44	1.76	4.22	12.25	10.41	58.65	4.94	1.28	3.22	1.68	1.28	
25	0.60	1.36	1.76	3.55	10.91	9.75	46.16	4.58	1.14	3.00	1.68	1.36	
26	0.66	1.08	1.76	2.50	11.07	8.27	37.50	4.58	1.08	3.00	1.52	1.52	
27	0.90	1.92	1.76	1.84	11.07	7.54	30.00	3.88	0.84	3.22	1.60	1.76	
28	0.96	2.40	1.44	2.00	11.57	7.26	23.39	3.77	0.60	3.11	1.28	1.60	
29	0.66	2.70	1.28	5.72	12.25	6.42	20.55	3.66	0.84	2.80		1.28	
30	0.60	2.30	1.20	9.59	12.25	7.26	18.35	3.88	0.96	2.30		1.68	
31		2.50		10.58	13.61		16.75		0.96	2.30		1.52	
TOTAL	14.58	37.92	137.91	86.42	472.09	787.02	1449.66	278.79	55.45	70.25	52.62	41.40	3484.11 CMSDAY
MEAN	0.49	1.22	4.60	2.79	15.23	26.23	46.76	9.29	1.79	2.27	1.88	1.34	9.55 CMS
MAX	0.96	2.70	18.75	10.58	40.60	72.00	80.05	15.58	3.33	3.33	2.60	1.92	80.05 CMS
MIN	0.15	0.45	1.20	1.08	6.28	6.42	16.75	3.66	0.60	1.20	1.28	1.02	0.15 CMS
RUNOFF	1.260	3.276	11.915	7.467	40.789	67.999	125.251	24.087	4.791	6.070	4.546	3.577	301.027 MCM

MOMENTARY PEAK 80.40 CMS, AT 292.59 M (MSL), AT 6.00 HOURS, ON OCT 20, 1984

RUNOFF YIELD 6.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 51.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

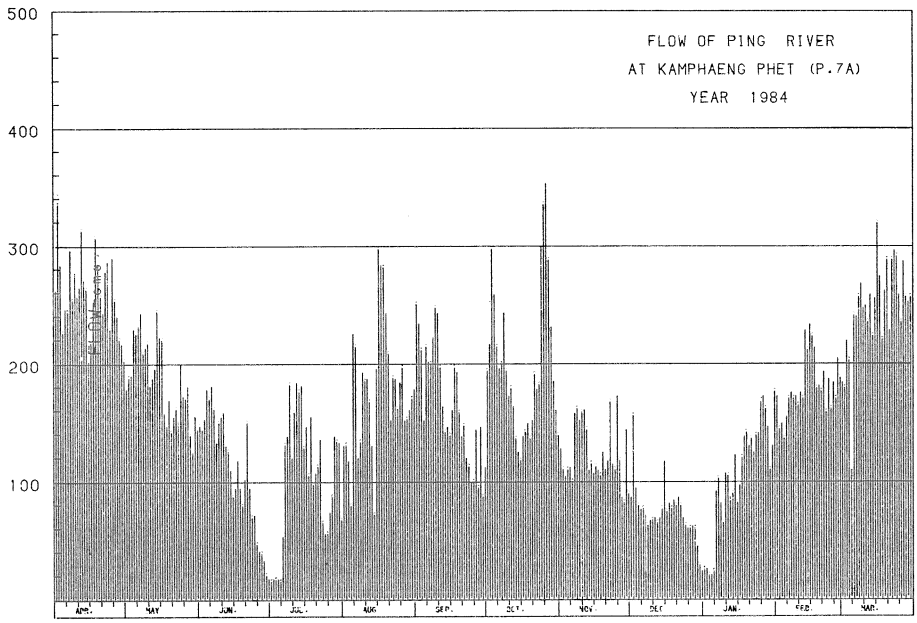
PING RIVER AT KAMPHAENG PHET, KAMPHAENG PHET (P.7A)

LOCATION	LAT. 16-28-38 N., LONG. 99-31-06 E., ON RIGHT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN NAKHON CHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	42,700 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+72.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+77.717 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1960 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960-1961, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960-1961, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW COMPLETELY REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 40,300 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	73.97	73.69	73.59	73.02	73.52	73.94	73.75	73.51	73.35	73.08	73.67	73.71	
2	74.21	73.73	73.57	73.02	73.53	73.88	73.82	73.45	73.62	73.07	73.58	73.70	
3	74.04	73.73	73.61	73.03	73.47	73.81	74.09	73.42	73.38	73.05	73.59	73.83	
4	73.86	73.87	73.69	73.02	73.33	73.60	73.96	73.45	73.33	73.04	73.55	73.78	
5	73.92	73.85	73.67	73.02	73.85	73.82	73.82	73.45	73.31	73.07	73.61	73.44	
6	73.92	73.88	73.70	73.21	73.82	73.77	73.75	73.41	73.32	73.37	73.67	73.91	
7	74.08	73.91	73.64	73.53	73.48	73.77	73.77	73.62	73.29	73.42	73.68	73.90	
8	73.95	73.80	73.53	73.55	73.54	73.84	73.91	73.64	73.26	73.33	73.67	73.96	
9	74.02	73.81	73.60	73.71	73.74	73.93	73.75	73.60	73.27	73.27	73.67	73.99	
10	73.96	73.83	73.61	73.48	73.72	73.91	73.67	73.63	73.28	73.43	73.65	73.93	
11	73.98	73.70	73.63	73.63	73.72	73.76	73.70	73.63	73.28	73.43	73.68	73.93	
12	74.14	73.73	73.52	73.71	73.66	73.64	73.64	73.58	73.27	73.35	73.67	73.89	
13	74.00	73.75	73.51	73.69	73.52	73.57	73.55	73.44	73.28	73.37	73.86	73.96	
14	73.98	73.92	73.44	73.70	73.30	73.58	73.50	73.47	73.32	73.49	73.81	73.85	
15	73.77	73.84	73.36	73.52	73.75	73.56	73.48	73.43	73.47	73.34	73.88	73.95	
16	73.83	73.84	73.38	73.58	74.09	73.63	73.55	73.46	73.31	73.39	73.85	74.16	
17	73.94	73.62	73.48	73.43	74.04	73.76	73.57	73.44	73.33	73.49	73.81	74.01	
18	74.12	73.59	73.38	73.61	74.04	73.74	73.59	73.43	73.32	73.55	73.70	73.84	
19	74.04	73.66	73.33	73.40	73.91	73.63	73.55	73.50	73.34	73.57	73.70	73.97	
20	73.96	73.57	73.41	73.43	73.80	73.55	73.60	73.45	73.33	73.52	73.69	74.06	
21	73.91	73.61	73.60	73.46	73.60	73.59	73.74	73.47	73.35	73.55	73.74	73.86	
22	74.03	73.64	73.38	73.54	73.73	73.48	73.69	73.66	73.33	73.50	73.63	74.06	
23	74.05	73.60	73.29	73.27	73.72	73.46	73.71	73.46	73.28	73.56	73.72	74.08	
24	73.87	73.77	73.29	73.22	73.64	73.40	74.09	73.45	73.26	73.56	73.64	74.07	
25	74.06	73.67	73.19	73.23	73.71	73.41	74.21	73.67	73.24	73.66	73.71	73.96	
26	73.95	73.67	73.15	73.30	73.76	73.57	74.26	73.48	73.25	73.67	73.67	73.89	
27	73.90	73.70	73.15	73.36	73.60	73.39	74.06	73.35	73.25	73.64	73.78	74.05	
28	73.84	73.56	73.11	73.55	73.61	73.58	73.87	73.34	73.25	73.58	73.73	73.96	
29	73.82	73.50	73.05	73.54	73.63	73.36	73.72	73.57	73.17	73.45		73.94	
30	73.78	73.62	73.02	73.53	73.67	73.45	73.63	73.37	73.10	73.52		73.96	
31		73.57		73.28	73.69		73.56		73.06	73.69		74.00	
MEAN	73.96	73.72	73.43	73.41	73.68	73.65	73.76	73.49	73.30	73.42	73.70	73.92	
MAX	74.21	73.92	73.70	73.71	74.09	73.94	74.26	73.67	73.62	73.69	73.88	74.16	74.26
MIN	73.77	73.50	73.02	73.02	73.30	73.36	73.48	73.34	73.06	73.04	73.55	73.44	73.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 74.39 M (MSL), AT 3.00 HOURS, ON OCT 26, 1984
ZERO GAGE AT BOTTOM ELEVATION 72.00 M (MSL), RIVER BED 71.46 M (MSL)
LEFT BANK ELEVATION 77.94 M (MSL)
RIGHT BANK ELEVATION 77.60 M (MSL), DRAINAGE AREA 42700 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	261.93	178.40	149.30	17.40	130.40	252.53	196.00	127.70	86.75	27.60	172.53	184.27	
2	337.20	190.13	143.90	17.40	133.10	234.13	216.53	112.25	157.87	25.90	146.60	181.33	
3	283.87	190.13	154.93	19.10	117.35	213.60	299.53	104.60	94.40	22.50	149.30	219.47	
4	228.27	231.20	178.40	17.40	81.65	152.00	258.80	112.25	81.65	20.80	138.50	204.80	
5	246.27	225.33	172.53	17.40	225.33	216.53	216.53	112.25	76.55	25.90	154.93	109.70	
6	246.27	234.13	181.33	53.30	216.53	201.87	196.00	102.05	79.10	91.85	172.53	243.13	
7	296.40	243.13	163.73	133.10	119.90	201.87	201.87	157.87	71.70	104.60	175.47	240.00	
8	255.67	210.67	133.10	138.50	135.80	222.40	243.13	163.73	64.80	81.65	172.53	258.80	
9	277.60	213.60	152.00	184.27	193.07	249.40	196.00	152.00	67.10	67.10	172.53	268.20	
10	258.80	219.47	154.93	119.90	187.20	243.13	172.53	160.80	69.40	107.15	166.67	249.40	
11	265.07	181.33	160.80	160.80	187.20	198.93	181.33	160.80	69.40	107.15	175.47	249.40	
12	315.20	190.13	130.40	184.27	169.60	163.73	163.73	146.60	67.10	86.75	172.53	237.07	
13	271.33	196.00	127.70	178.40	130.40	143.90	138.50	109.70	69.40	91.85	228.27	258.80	
14	265.07	246.27	109.70	181.33	74.00	146.60	125.00	117.35	79.10	122.45	213.60	225.33	
15	201.87	222.40	89.30	130.40	196.00	141.20	119.90	107.15	117.35	84.20	234.13	255.67	
16	219.47	222.40	94.40	146.60	299.53	160.80	138.50	114.80	76.55	96.95	225.33	321.47	
17	252.53	157.87	119.90	107.15	283.87	198.93	143.90	109.70	81.65	122.45	213.60	274.47	
18	308.93	149.30	94.40	154.93	283.87	193.07	149.30	107.15	79.10	138.50	181.33	222.40	
19	283.87	169.60	81.65	99.50	243.13	160.80	138.50	125.00	84.20	143.90	181.33	261.93	
20	258.80	143.90	102.05	107.15	210.67	138.50	152.00	112.25	81.65	130.40	178.40	290.13	
21	243.13	154.93	152.00	114.80	152.00	149.30	193.07	117.35	86.75	138.50	193.07	228.27	
22	280.73	163.73	94.40	135.80	190.13	119.90	178.40	169.60	81.65	125.00	160.80	290.13	
23	287.00	152.00	71.70	67.10	187.20	114.80	184.27	114.80	69.40	141.20	187.20	296.40	
24	231.20	201.87	71.70	55.60	163.73	99.50	299.53	112.25	64.80	141.20	163.73	293.27	
25	290.13	172.53	49.00	57.90	184.27	102.05	337.20	172.53	60.20	169.60	184.27	258.80	
26	255.67	172.53	41.00	74.00	198.93	143.90	353.20	119.90	62.50	172.53	172.53	237.07	
27	240.00	181.33	41.00	89.30	152.00	96.95	290.13	86.75	62.50	163.73	204.80	287.00	
28	222.40	141.20	33.00	138.50	154.93	146.60	231.20	84.20	62.50	146.60	190.13	258.80	
29	216.53	125.00	22.50	135.80	160.80	89.30	187.20	143.90	45.00	112.25		252.53	
30	204.80	157.87	17.40	133.10	172.53	112.25	160.80	91.85	31.00	130.40		258.80	
31		143.90		69.40	178.40		141.20		24.20	178.40		271.33	
TOTAL	7806.01	5782.28	3288.15	3239.60	5513.52	5008.47	6203.78	3729.13	2305.32	3319.06	5082.11	7688.17	58965.60 CMSDAY
MEAN	260.20	186.53	109.60	104.50	177.86	166.95	200.12	124.30	74.37	107.07	181.50	248.01	161.55 CMS
MAX	337.20	246.27	181.33	184.27	299.53	252.53	353.20	172.53	157.87	178.40	234.13	321.47	353.20 CMS
MIN	201.87	125.00	17.40	17.40	74.00	89.30	119.90	84.20	24.20	20.80	138.50	109.70	17.40 CMS
RUNOFF	674.439	499.589	284.096	279.901	476.368	432.732	536.007	322.197	199.180	286.767	439.094	664.258	5094.628 MCM

MOMENTARY PEAK 397.50 CMS, AT 74.39 M (MSL), AT 3.00 HOURS, ON OCT 26, 1984

RUNOFF YIELD 3.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

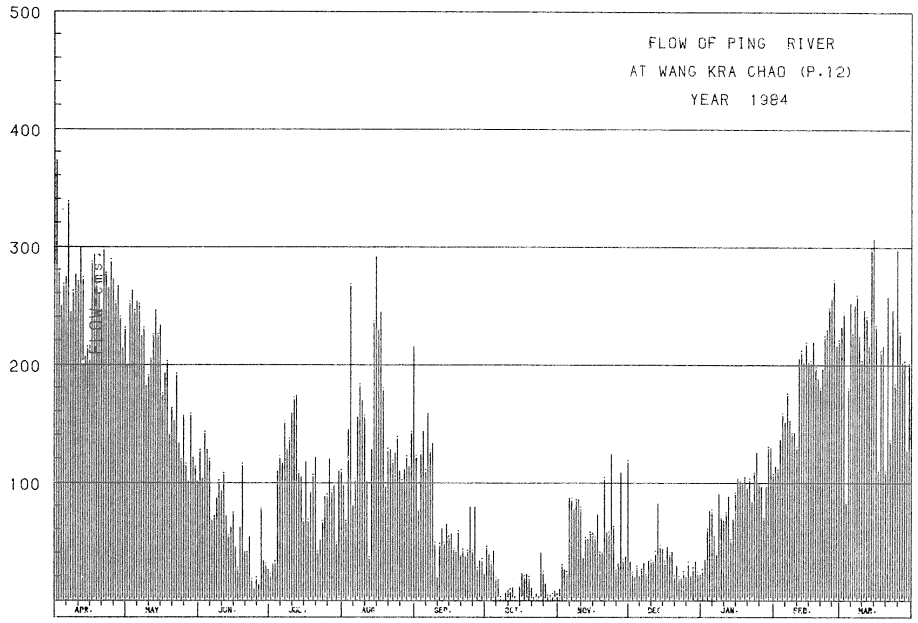
PING RIVER AT WANG KRA CHAO, TAK (P.12)

LOCATION	LAT. 17-14-30 N., LONG. 99-00-45 E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM PHUMIPHOL DAM RESERVOIR, AT WANG KRA CHAO, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	26,396 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 25 METERS NORTH OF AUTOMATIC GAGE BUILDING.
ELEVATION	+143.825 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	135.55	134.64	134.17	133.10	133.93	134.13	133.42	132.86	133.25	133.16	134.06	134.82	
2	135.08	134.94	133.98	133.22	133.66	133.74	133.33	133.22	133.12	133.27	134.04	134.89	
3	134.92	134.99	134.28	133.26	134.29	134.16	133.25	133.15	133.05	133.59	134.23	133.80	
4	135.02	134.90	134.17	134.03	135.02	134.28	133.37	133.13	133.20	133.74	134.38	134.52	
5	135.05	134.94	134.11	134.13	133.78	134.04	133.05	133.84	133.06	133.75	134.33	134.93	
6	135.38	134.93	133.66	134.08	133.98	134.38	133.02	133.84	133.16	133.52	134.49	134.79	
7	134.89	134.78	133.70	134.34	134.36	134.17	132.72	133.75	133.23	133.35	134.34	134.92	
8	134.99	134.82	133.84	134.17	134.54	134.21	132.69	133.83	133.09	133.87	134.27	134.97	
9	135.06	134.53	133.97	134.24	134.45	133.46	132.85	133.83	133.26	133.70	134.27	134.78	
10	135.03	134.59	133.89	134.38	134.37	133.04	132.84	133.77	133.27	133.66	134.19	134.66	
11	135.18	134.67	134.02	134.47	133.96	133.45	132.87	133.29	133.25	133.73	134.67	134.90	
12	135.05	134.79	133.70	134.48	133.31	133.59	132.89	133.51	133.37	133.85	134.71	134.87	
13	134.68	134.90	133.53	134.03	134.17	133.46	132.72	133.49	133.80	133.49	134.65	134.73	
14	134.73	134.79	133.60	133.99	134.85	133.63	132.68	133.56	133.43	133.67	134.75	135.18	
15	134.66	134.83	133.73	133.67	135.14	133.52	132.95	133.55	133.39	133.88	134.65	135.22	
16	135.12	134.49	133.41	134.09	134.82	133.54	133.10	133.51	133.26	133.98	134.66	134.83	
17	135.15	134.60	133.18	133.67	134.89	133.40	133.07	133.71	133.41	133.96	134.75	134.03	
18	135.02	134.66	133.60	133.88	134.52	133.36	133.09	133.36	133.35	133.94	134.63	134.71	
19	134.97	134.26	134.08	134.01	133.92	133.57	133.06	133.35	133.36	133.99	134.57	134.73	
20	134.90	134.41	133.36	134.12	134.18	133.32	132.88	133.99	133.07	133.91	134.52	134.03	
21	135.17	134.34	133.36	133.37	134.17	133.39	132.70	133.55	133.20	133.98	134.62	134.96	
22	135.07	134.60	133.51	133.48	134.10	133.31	132.77	133.56	133.06	133.81	134.78	134.23	
23	135.00	134.21	133.03	133.66	134.15	133.38	132.72	134.14	133.03	134.02	134.81	134.90	
24	135.13	134.11	132.86	133.85	134.25	133.77	133.35	133.61	133.13	134.15	134.91	134.54	
25	135.04	134.37	133.05	133.87	134.03	133.38	133.13	133.15	133.05	133.95	134.95	135.17	
26	134.94	134.08	132.93	134.11	133.97	133.77	132.95	133.22	133.25	133.92	135.04	134.80	
27	135.01	133.96	133.77	133.90	134.04	133.18	132.76	134.02	133.06	133.68	134.73	134.65	
28	134.87	134.38	133.26	133.93	134.13	133.26	132.75	133.28	133.18	133.92	134.76	134.66	
29	134.72	134.12	133.23	133.46	134.06	133.29	132.79	133.31	133.25	134.19		134.16	
30	134.82	134.06	133.15	134.03	134.28	133.09	132.83	134.10	133.12	134.18		134.66	
31		133.96		134.04	134.73		132.78		133.08	134.01		134.41	
MEAN	135.01	134.54	133.60	133.91	134.26	133.61	132.95	133.55	133.22	133.80	134.56	134.69	
MAX	135.55	134.99	134.28	134.48	135.14	134.38	133.42	134.14	133.80	134.19	135.04	135.22	135.55
MIN	134.66	133.96	132.86	133.10	133.31	133.04	132.68	132.86	133.03	133.16	134.04	133.80	132.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 136.21 M (MSL), AT 21.00 HOURS, ON JUL 26, 1984
ZERO GAGE AT BOTTOM ELEVATION 133.00 M (MSL), RIVER BED 131.44 M (MSL)
LEFT BANK ELEVATION 151.28 M (MSL)
RIGHT BANK ELEVATION 148.56 M (MSL), DRAINAGE AREA 26396 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	373.50	200.00	128.10	23.00	97.60	122.90	46.20	9.56	33.00	26.90	113.80	231.70	
2	280.20	253.90	103.60	30.90	68.00	76.20	38.90	30.90	24.30	34.40	111.20	244.65	
3	250.20	263.15	143.60	33.70	145.05	126.80	33.00	26.25	20.00	61.10	136.35	82.50	
4	268.80	246.50	128.10	109.90	268.80	143.60	42.10	24.95	29.50	76.20	158.90	180.60	
5	274.50	253.90	120.30	122.90	80.40	111.20	20.00	87.10	20.60	77.25	151.15	252.05	
6	339.00	252.05	68.00	116.40	103.60	158.90	18.20	87.10	26.90	54.80	175.95	226.25	
7	244.65	224.50	72.00	152.70	155.80	128.10	3.33	77.25	31.60	40.50	152.70	250.20	
8	263.15	231.70	87.10	128.10	183.70	133.45	2.25	85.95	22.40	90.55	142.15	259.45	
9	276.40	182.15	102.40	137.80	169.75	49.60	9.08	85.95	33.70	72.00	142.15	224.50	
10	270.70	191.45	92.85	158.90	157.35	19.40	8.59	79.35	34.40	68.00	130.70	203.50	
11	299.20	205.25	108.60	172.85	101.20	48.75	10.04	35.80	33.00	75.15	205.25	246.50	
12	274.50	226.25	72.00	174.40	37.30	61.10	11.02	53.90	42.10	88.25	212.25	240.95	
13	207.00	246.50	55.70	109.90	128.10	49.60	3.33	52.15	82.50	52.15	201.75	215.75	
14	215.75	226.25	62.00	104.80	237.25	65.00	2.00	58.40	47.05	69.00	219.25	299.20	
15	203.50	233.55	75.15	69.00	291.60	54.80	14.25	57.50	43.70	91.70	201.75	307.00	
16	287.80	175.95	45.35	117.70	231.70	56.60	23.00	53.90	33.70	103.60	203.50	233.55	
17	293.50	193.00	28.20	69.00	244.65	44.50	21.20	73.05	45.35	101.20	219.25	109.90	
18	268.80	203.50	62.00	91.70	180.60	41.30	22.40	41.30	40.50	98.80	198.25	212.25	
19	259.45	140.70	116.40	107.30	96.40	59.30	20.60	40.50	41.30	104.80	188.35	215.75	
20	246.50	163.55	41.30	121.60	129.40	38.10	10.53	104.80	21.20	95.20	180.60	109.90	
21	297.30	152.70	41.30	42.10	128.10	43.70	2.50	57.50	29.50	103.60	196.50	257.60	
22	278.30	193.00	53.90	51.30	119.00	37.30	5.41	58.40	20.60	83.65	224.50	136.35	
23	265.00	133.45	18.80	68.00	125.50	42.90	3.33	124.20	18.80	108.60	229.85	246.50	
24	289.70	120.30	9.56	88.25	139.25	79.35	40.50	63.00	24.95	125.50	248.35	183.70	
25	272.60	157.35	20.00	90.55	109.90	42.90	24.95	26.25	20.00	100.00	255.75	297.30	
26	253.90	116.40	13.15	120.30	102.40	79.35	14.25	30.90	33.00	96.40	272.60	228.00	
27	266.90	101.20	79.35	94.00	111.20	28.20	4.99	108.60	20.60	70.00	215.75	201.75	
28	240.95	158.90	33.70	97.60	122.90	33.70	4.58	35.10	28.20	96.40	221.00	203.50	
29	214.00	121.60	31.60	49.60	113.80	35.80	6.23	37.30	33.00	130.70		126.80	
30	231.70	113.80	26.25	109.90	143.60	22.40	8.11	119.00	24.30	129.40		203.50	
31		101.20		111.20	215.75		5.82		21.80	107.30		163.55	
TOTAL	8007.45	5783.70	2040.36	3075.35	4539.65	2034.80	480.69	1825.91	981.55	2633.10	5309.55	6594.70	43306.81 CMSDAY
MEAN	266.91	186.57	68.01	99.20	146.44	67.83	15.51	60.86	31.66	84.94	189.63	212.73	118.65 CMS
MAX	373.50	263.15	143.60	174.40	291.60	158.90	46.20	124.20	82.50	130.70	272.60	307.00	373.50 CMS
MIN	203.50	101.20	9.56	23.00	37.30	19.40	2.00	9.56	18.80	26.90	111.20	82.50	2.00 CMS
RUNOFF	691.844	499.712	176.287	265.710	392.226	175.807	41.532	157.759	84.806	227.500	458.745	569.782	3741.709 MCM

MOMENTARY PEAK 515.35 CMS, AT 136.21 M (MSL), AT 21.00 HOURS, ON JUL 26, 1984

RUNOFF YIELD 4.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

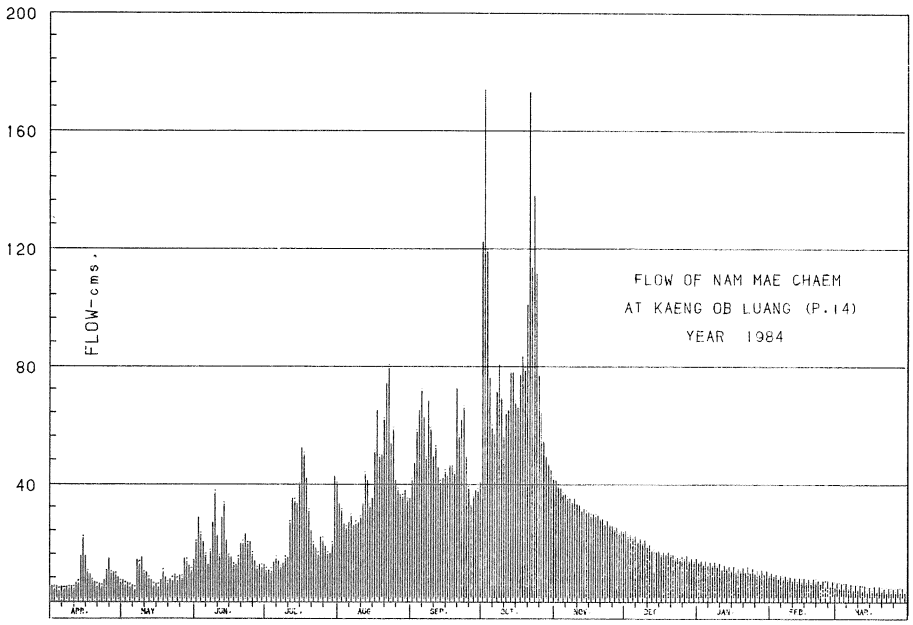
NAM MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION	LAT. 18-13-49 N., LONG. 98-33-35 E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+275.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+282.20 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1953 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	276.76	276.83	277.16	276.95	277.38	277.51	278.41	277.50	277.22	277.03	276.90	276.80	
2	276.76	276.81	277.30	276.93	277.35	277.58	278.85	277.48	277.20	277.01	276.90	276.80	
3	276.76	276.80	277.21	276.95	277.26	277.73	278.38	277.46	277.20	277.01	276.89	276.79	
4	276.74	276.79	277.15	277.00	277.25	277.81	277.94	277.44	277.19	277.01	276.89	276.79	
5	276.75	276.77	277.07	277.05	277.27	277.90	277.75	277.43	277.19	277.01	276.88	276.79	
6	276.75	276.76	276.98	277.01	277.32	277.78	277.71	277.42	277.17	277.00	276.88	276.79	
7	276.75	277.02	277.10	276.97	277.25	277.61	277.90	277.41	277.17	277.00	276.87	276.78	
8	276.76	277.01	277.27	276.99	277.28	277.85	277.99	277.40	277.16	277.00	276.87	276.77	
9	276.76	277.04	277.45	277.05	277.27	277.74	277.87	277.41	277.16	277.00	276.86	276.77	
10	276.76	276.92	277.19	277.04	277.31	277.61	277.70	277.40	277.14	276.99	276.85	276.77	
11	276.80	276.91	277.06	277.28	277.38	277.66	277.81	277.37	277.13	276.97	276.85	276.77	
12	276.83	276.87	277.30	277.41	277.54	277.56	277.81	277.35	277.12	276.97	276.85	276.76	
13	277.05	276.83	277.39	277.41	277.50	277.50	277.97	277.35	277.11	276.97	276.85	276.76	
14	277.19	276.80	277.16	277.38	277.38	277.51	277.96	277.34	277.11	276.96	276.84	276.74	
15	277.05	276.79	277.06	277.49	277.41	277.55	277.85	277.33	277.09	276.96	276.85	276.74	
16	276.93	276.79	277.04	277.65	277.64	277.52	277.82	277.32	277.08	276.96	276.84	276.74	
17	276.89	276.83	276.99	277.63	277.81	277.58	277.96	277.32	277.08	276.94	276.84	276.75	
18	276.84	276.94	276.98	277.51	277.62	277.57	278.02	277.32	277.08	276.94	276.84	276.74	
19	276.81	276.86	277.05	277.35	277.62	277.54	277.98	277.31	277.08	276.95	276.84	276.75	
20	276.80	276.82	277.14	277.22	277.78	277.90	278.20	277.31	277.08	276.95	276.84	276.74	
21	276.79	276.84	277.16	277.15	277.92	277.71	278.85	277.29	277.06	276.95	276.82	276.72	
22	276.78	276.87	277.20	277.11	277.99	277.77	278.32	277.28	277.05	276.96	276.81	276.73	
23	276.83	276.89	277.15	277.08	277.67	277.83	278.55	277.28	277.04	276.94	276.82	276.73	
24	276.93	276.86	277.15	277.18	277.74	277.61	278.30	277.27	277.05	276.94	276.82	276.73	
25	277.03	276.88	277.08	277.18	277.50	277.47	277.96	277.25	277.05	276.93	276.82	276.72	
26	276.92	276.88	277.01	277.12	277.46	277.37	277.80	277.24	277.05	276.93	276.82	276.73	
27	276.91	277.03	276.96	277.08	277.43	277.43	277.69	277.24	277.05	276.93	276.81	276.73	
28	276.91	277.03	276.98	277.07	277.43	277.45	277.61	277.22	277.03	276.93	276.81	276.73	
29	276.86	276.97	276.98	277.15	277.45	277.46	277.59	277.22	277.03	276.92		276.73	
30	276.83	276.95	276.98	277.52	277.41	277.49	277.55	277.23	277.03	276.92		276.73	
31		277.02		277.49	277.41		277.52		277.03	276.91		276.73	
MEAN	276.85	276.88	277.12	277.21	277.48	277.62	277.99	277.34	277.10	276.96	276.85	276.75	
MAX	277.19	277.04	277.45	277.65	277.99	277.90	278.85	277.50	277.22	277.03	276.90	276.80	278.85
MIN	276.74	276.76	276.96	276.93	277.25	277.37	277.52	277.22	277.03	276.91	276.81	276.72	276.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 280.23 M (MSL), AT 2.00 HOURS, ON OCT 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 275.80 M (MSL), RIVER BED 276.10 M (MSL)
LEFT BANK ELEVATION 285.10 M (MSL)
RIGHT BANK ELEVATION 285.19 M (MSL), DRAINAGE AREA 3853 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.42	7.46	20.92	11.60	33.34	42.02	123.10	41.30	24.14	14.79	9.70	6.50	
2	5.42	6.82	28.70	10.84	31.60	47.06	174.00	39.94	23.00	13.93	9.70	6.50	
3	5.42	6.50	23.57	11.60	26.42	58.46	119.90	38.58	23.00	13.93	9.38	6.23	
4	4.88	6.23	20.40	13.50	25.85	65.03	76.10	37.22	22.48	13.93	9.38	6.23	
5	5.15	5.69	16.51	15.65	26.99	72.50	60.10	36.54	22.48	13.93	9.06	6.23	
6	5.15	5.42	12.74	13.93	29.86	62.56	56.82	35.86	21.44	13.50	9.06	6.23	
7	5.15	14.36	17.80	12.36	25.85	49.25	72.50	35.18	21.44	13.50	8.74	5.96	
8	5.42	13.93	26.99	13.12	27.56	68.35	80.60	34.50	20.92	13.50	8.74	5.69	
9	5.42	15.22	37.90	15.65	26.99	59.28	70.01	35.18	20.92	13.50	8.42	5.69	
10	5.42	10.46	22.48	15.22	29.28	49.25	56.00	34.50	19.88	13.12	8.10	5.69	
11	6.50	10.08	16.08	27.56	33.34	53.00	65.03	32.76	19.36	12.36	8.10	5.69	
12	7.46	8.74	28.70	35.18	44.18	45.62	65.03	31.60	18.84	12.36	8.10	5.42	
13	15.65	7.46	33.92	35.18	41.30	41.30	78.80	31.60	18.32	12.36	8.10	5.42	
14	22.48	6.50	20.92	33.34	33.34	42.02	77.90	31.02	18.32	11.98	7.78	4.88	
15	15.65	6.23	16.08	40.62	35.18	44.90	68.35	30.44	17.37	11.98	8.10	4.88	
16	10.84	6.23	15.22	52.25	51.50	42.74	65.86	29.86	16.94	11.98	7.78	4.88	
17	9.38	7.46	13.12	50.75	65.03	47.06	77.90	29.86	16.94	11.22	7.78	5.15	
18	7.78	11.22	12.74	42.02	50.00	46.34	83.40	29.86	16.94	11.22	7.78	4.88	
19	6.82	8.42	15.65	31.60	50.00	44.18	79.70	29.28	16.94	11.60	7.78	5.15	
20	6.50	7.14	19.88	24.14	62.56	72.50	101.00	29.28	16.94	11.60	7.78	4.88	
21	6.23	7.78	20.92	20.40	74.30	56.82	174.00	28.13	16.08	11.60	7.14	4.34	
22	5.96	8.74	23.00	18.32	80.60	61.74	113.60	27.56	15.65	11.98	6.82	4.61	
23	7.46	9.38	20.40	16.94	53.75	66.69	138.75	27.56	15.22	11.22	7.14	4.61	
24	10.84	8.42	20.40	21.96	59.28	49.25	111.50	26.99	15.65	11.22	7.14	4.61	
25	14.79	9.06	16.94	21.96	41.30	39.26	77.90	25.85	15.65	10.84	7.14	4.34	
26	10.46	9.06	13.93	18.84	38.58	32.76	64.20	25.28	15.65	10.84	7.14	4.61	
27	10.08	14.79	11.98	16.94	36.54	36.54	55.25	25.28	15.65	10.84	6.82	4.61	
28	10.08	14.79	12.74	16.51	36.54	37.90	49.25	24.14	14.79	10.84	6.82	4.61	
29	8.42	12.36	12.74	20.40	37.90	38.58	47.78	24.14	14.79	10.46		4.61	
30	7.46	11.60	12.74	42.74	35.18	40.62	44.90	24.71	14.79	10.46		4.61	
31		14.36		40.62	35.18		42.74		14.79	10.08		4.61	
TOTAL	253.69	291.91	586.11	761.74	1279.32	1513.58	2571.97	934.00	565.32	376.67	225.52	162.35	9522.18 CMSDAY
MEAN	8.46	9.42	19.54	24.57	41.27	50.45	82.97	31.13	18.24	12.15	8.05	5.24	26.09 CMS
MAX	22.48	15.22	37.90	52.25	80.60	72.50	174.00	41.30	24.14	14.79	9.70	6.50	174.00 CMS
MIN	4.88	5.42	11.98	10.84	25.85	32.76	42.74	24.14	14.79	10.08	6.82	4.34	4.34 CMS
RUNOFF	21.919	25.221	50.640	65.814	110.533	130.773	222.218	80.698	48.844	32.544	19.485	14.027	822.716 MCM

MOMENTARY PEAK 358.85 CMS, AT 280.23 M (MSL), AT 2.00 HOURS, ON OCT 21, 1984
RUNOFF YIELD 6.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 93.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

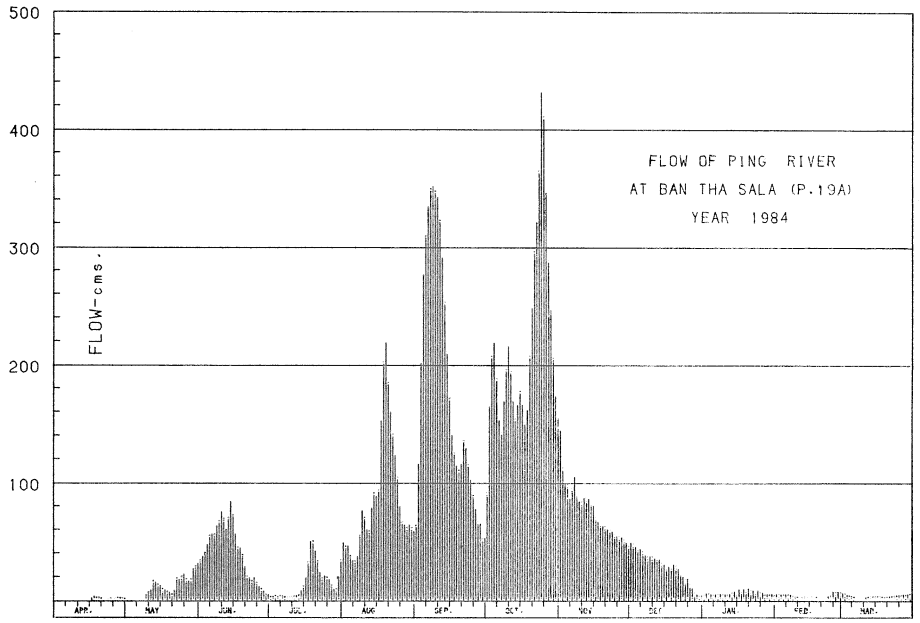
PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18-25-29 N., LONG. 98-42-17 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+271.351 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 11 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+276.620 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1958 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1958 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 28,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	271.82	271.96	272.51	272.03	272.67	272.83	273.09	273.51	272.67	272.07	272.09	272.11	
2	271.80	271.96	272.54	272.02	272.64	273.29	273.65	273.27	272.66	272.11	272.10	272.11	
3	271.79	271.95	272.58	272.06	272.64	273.89	273.93	273.15	272.63	272.11	272.08	272.08	
4	271.77	271.93	272.65	272.02	272.55	274.33	274.00	273.15	272.63	272.09	272.08	272.06	
5	271.76	271.90	272.74	272.06	272.50	274.51	273.81	273.04	272.61	272.08	272.09	272.04	
6	271.76	271.89	272.75	272.05	272.50	274.64	273.57	273.12	272.59	272.08	272.09	272.02	
7	271.77	271.88	272.75	272.03	272.54	274.72	273.50	273.20	272.55	272.10	272.08	272.00	
8	271.77	271.93	272.82	272.01	272.74	274.73	273.68	273.08	272.54	272.10	272.05	271.98	
9	271.77	272.07	272.87	272.01	272.95	274.71	273.86	273.02	272.54	272.09	272.02	271.97	
10	271.78	272.14	272.94	272.02	272.90	274.68	273.98	273.02	272.54	272.08	272.02	271.97	
11	271.78	272.17	272.89	272.04	272.79	274.58	273.85	273.05	272.52	272.08	272.02	272.00	
12	271.78	272.29	272.79	272.05	272.78	274.41	273.68	273.05	272.54	272.09	272.01	272.02	
13	271.78	272.27	272.90	272.08	272.97	274.20	273.58	273.04	272.51	272.13	272.01	272.03	
14	271.78	272.25	273.02	272.16	273.09	273.94	273.66	273.02	272.48	272.14	272.00	272.03	
15	271.87	272.23	272.92	272.23	273.06	273.70	273.74	272.99	272.46	272.14	272.01	272.03	
16	272.03	272.20	272.75	272.32	273.11	273.48	273.66	272.90	272.44	272.18	272.02	272.04	
17	272.03	272.17	272.63	272.49	273.57	273.37	273.56	272.86	272.44	272.19	272.02	272.03	
18	272.01	272.15	272.62	272.68	273.90	273.28	273.63	272.85	272.45	272.18	272.01	272.02	
19	272.01	272.13	272.56	272.69	274.00	273.25	273.93	272.82	272.46	272.19	271.98	272.01	
20	271.98	272.11	272.44	272.59	273.79	273.29	274.17	272.82	272.45	272.20	271.97	272.02	
21	271.95	272.16	272.34	272.50	273.62	273.45	274.44	272.79	272.42	272.17	271.98	272.03	
22	271.94	272.32	272.32	272.38	273.49	273.40	274.57	272.79	272.39	272.16	272.00	272.04	
23	271.95	272.30	272.29	272.32	273.35	273.29	274.80	272.77	272.33	272.17	272.03	272.05	
24	271.97	272.34	272.32	272.34	273.20	273.18	275.13	272.75	272.30	272.16	272.06	272.06	
25	271.98	272.36	272.27	272.33	272.98	273.07	275.03	272.73	272.31	272.14	272.14	272.06	
26	271.98	272.31	272.22	272.30	272.86	272.96	274.70	272.73	272.25	272.12	272.14	272.07	
27	272.00	272.28	272.20	272.24	272.83	272.86	274.40	272.72	272.20	272.09	272.14	272.08	
28	271.99	272.31	272.15	272.18	272.81	272.84	274.16	272.70	272.13	272.09	272.13	272.08	
29	271.99	272.42	272.10	272.20	272.83	272.71	273.92	272.67	272.08	272.09		272.09	
30	271.97	272.45	272.07	272.33	272.81	272.71	273.71	272.64	272.05	272.10		272.11	
31		272.47		272.51	272.77		273.60		272.05	272.07		272.12	
MEAN	271.89	272.17	272.57	272.23	273.01	273.68	273.97	272.94	272.43	272.12	272.05	272.04	
MAX	272.03	272.47	273.02	272.69	274.00	274.73	275.13	273.51	272.67	272.20	272.14	272.12	275.13
MIN	271.76	271.88	272.07	272.01	272.50	272.71	273.09	272.64	272.05	272.07	271.97	271.97	271.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 275.16 M (MSL), AT 14.00 HOURS, ON OCT 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 271.35 M (MSL), RIVER BED 271.08 M (MSL)
LEFT BANK ELEVATION 277.18 M (MSL)
RIGHT BANK ELEVATION 276.15 M (MSL), DRAINAGE AREA 14023 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	1.92	34.90	3.81	49.30	64.35	91.90	144.40	49.30	4.89	5.43	6.18	
2	0.10	1.92	37.60	3.54	46.60	115.80	164.50	113.40	48.40	6.18	5.70	6.18	
3	0.09	1.65	41.20	4.62	46.60	201.40	207.80	99.00	45.70	6.18	5.16	5.16	
4	0.07	1.11	47.50	3.54	38.50	276.40	219.00	99.00	45.70	5.43	5.16	4.62	
5	0.06	0.30	55.80	4.62	34.00	309.90	188.60	86.40	43.90	5.16	5.43	4.08	
6	0.06	0.28	56.75	4.35	34.00	334.60	152.80	95.40	42.10	5.16	5.43	3.54	
7	0.07	0.26	56.75	3.81	37.60	349.80	143.00	105.00	38.50	5.70	5.16	3.00	
8	0.07	1.11	63.40	3.27	55.80	351.70	169.00	90.80	37.60	5.70	4.35	2.46	
9	0.07	4.89	68.15	3.27	76.50	347.90	196.60	84.20	37.60	5.43	3.54	2.19	
10	0.08	7.62	75.40	3.54	71.00	342.20	215.80	84.20	37.60	5.16	3.54	2.19	
11	0.08	9.06	70.05	4.08	60.55	323.20	195.00	87.50	35.80	5.16	3.54	3.00	
12	0.08	17.25	60.55	4.35	59.60	290.90	169.00	87.50	37.60	5.43	3.27	3.54	
13	0.08	15.75	71.00	5.16	78.70	253.50	154.20	86.40	34.90	7.14	3.27	3.81	
14	0.08	14.25	84.20	8.58	91.90	209.40	166.00	84.20	32.30	7.62	3.00	3.81	
15	0.24	12.75	73.20	12.75	88.60	172.00	178.00	80.90	30.60	7.62	3.27	3.81	
16	3.81	10.50	56.75	19.50	94.20	140.30	166.00	71.00	28.90	9.54	3.54	4.08	
17	3.81	9.06	45.70	33.15	152.80	125.75	151.40	67.20	28.90	10.02	3.54	3.81	
18	3.27	8.10	44.80	50.20	203.00	114.60	161.50	66.25	29.75	9.54	3.27	3.54	
19	3.27	7.14	39.40	51.10	219.00	111.00	207.80	63.40	30.60	10.02	2.46	3.27	
20	2.46	6.18	28.90	42.10	185.50	115.80	248.25	63.40	29.75	10.50	2.19	3.54	
21	1.65	8.58	21.00	34.00	160.00	136.25	296.60	60.55	27.20	9.06	2.46	3.81	
22	1.38	19.50	19.50	24.00	141.65	129.50	321.30	60.55	24.75	8.58	3.00	4.08	
23	1.65	18.00	17.25	19.50	123.25	115.80	365.01	58.65	20.25	9.06	3.81	4.35	
24	2.19	21.00	19.50	21.00	105.00	102.60	431.45	56.75	18.00	8.58	4.62	4.62	
25	2.46	22.50	15.75	20.25	79.80	89.70	411.00	54.85	18.75	7.62	7.62	4.62	
26	2.46	18.75	12.00	18.00	67.20	77.60	346.00	54.85	14.25	6.66	7.62	4.89	
27	3.00	16.50	10.50	13.50	64.35	67.20	289.00	53.90	10.50	5.43	7.62	5.16	
28	2.73	18.75	8.10	9.54	62.45	65.30	246.50	52.00	7.14	5.43	7.14	5.16	
29	2.73	27.20	5.70	10.50	64.35	52.95	206.20	49.30	5.16	5.43		5.43	
30	2.19	29.75	4.89	20.25	62.45	52.95	173.50	46.60	4.35	5.70		6.18	
31		31.45		34.90	58.65		157.00		4.35	4.89		6.66	
TOTAL	40.43	363.08	1246.19	494.78	2712.90	5440.35	6789.71	2307.55	900.20	214.02	124.14	130.77	20764.12 CMSDAY
MEAN	1.35	11.71	41.54	15.96	87.51	181.35	219.02	76.92	29.04	6.90	4.43	4.22	56.89 CMS
MAX	3.81	31.45	84.20	51.10	219.00	351.70	431.45	144.40	49.30	10.50	7.62	6.66	431.45 CMS
MIN	0.06	0.26	4.89	3.27	34.00	52.95	91.90	46.60	4.35	4.89	2.19	2.19	0.06 CMS
RUNOFF	3.493	31.370	107.671	42.749	234.395	470.046	586.631	199.372	77.777	18.491	10.726	11.299	1794.020 MCM

MOMENTARY PEAK 437.90 CMS, AT 275.16 M (MSL), AT 14.00 HOURS, ON OCT 24, 1984

RUNOFF YIELD 4.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 31.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

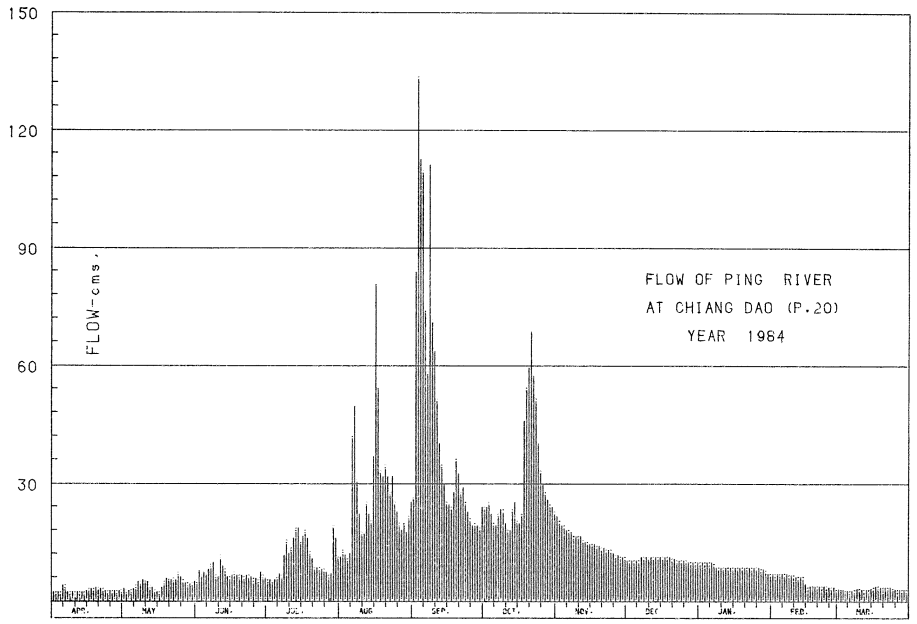
PING RIVER AT CHIANG DAO, CHIANG MAI (P.20)

LOCATION	LAT. 19-22-06 N., LONG. 98-58-20 E., ON RIGHT BANK NEAR WAT INTHRA RAM, AMPHOE CHIANG DAO, CHIANG MAI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 2 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+4.133 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 - 1982
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 - 1982
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE DURING 1979 - 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.65	0.72	0.72	0.86	1.14	1.10	1.06	0.84	0.83	0.76	0.64	
2	0.62	0.64	0.78	0.72	0.90	1.75	1.10	1.04	0.84	0.83	0.76	0.64	
3	0.62	0.63	0.77	0.72	0.87	2.10	1.12	1.02	0.84	0.83	0.76	0.64	
4	0.62	0.64	0.77	0.72	0.85	1.96	1.07	1.02	0.84	0.83	0.76	0.63	
5	0.68	0.65	0.78	0.75	0.88	1.94	1.03	1.00	0.84	0.83	0.76	0.63	
6	0.68	0.68	0.79	0.76	1.36	1.67	1.02	1.00	0.84	0.83	0.76	0.63	
7	0.62	0.71	0.82	0.75	1.44	1.53	1.07	0.99	0.86	0.82	0.76	0.63	
8	0.62	0.71	0.83	0.87	1.21	1.95	1.09	0.97	0.86	0.80	0.75	0.64	
9	0.62	0.72	0.75	0.95	1.07	1.65	1.09	0.97	0.86	0.80	0.75	0.65	
10	0.62	0.73	0.74	0.88	0.99	1.58	1.03	0.97	0.86	0.80	0.75	0.65	
11	0.62	0.71	0.87	0.91	0.98	1.46	1.00	0.97	0.86	0.80	0.74	0.64	
12	0.62	0.68	0.81	0.96	1.12	1.33	1.00	0.95	0.86	0.80	0.74	0.64	
13	0.62	0.66	0.79	1.01	1.07	1.26	1.09	0.94	0.86	0.80	0.74	0.64	
14	0.62	0.64	0.74	1.01	1.04	1.19	1.12	0.94	0.86	0.80	0.74	0.64	
15	0.63	0.62	0.74	0.95	1.29	1.12	1.04	0.93	0.86	0.80	0.69	0.65	
16	0.65	0.62	0.75	0.97	1.73	1.11	1.03	0.93	0.86	0.80	0.66	0.66	
17	0.65	0.66	0.77	1.00	1.49	1.10	1.07	0.93	0.86	0.80	0.67	0.67	
18	0.65	0.71	0.75	0.96	1.24	1.16	1.40	0.92	0.86	0.80	0.67	0.67	
19	0.66	0.73	0.75	0.89	1.22	1.28	1.49	0.92	0.86	0.80	0.67	0.66	
20	0.66	0.74	0.75	0.85	1.26	1.23	1.54	0.91	0.85	0.80	0.67	0.66	
21	0.65	0.72	0.74	0.80	1.22	1.16	1.63	0.91	0.85	0.80	0.67	0.66	
22	0.65	0.73	0.75	0.80	1.16	1.18	1.52	0.90	0.84	0.80	0.67	0.66	
23	0.63	0.72	0.75	0.80	1.22	1.12	1.46	0.90	0.84	0.80	0.67	0.66	
24	0.63	0.77	0.74	0.79	1.12	1.08	1.33	0.90	0.84	0.80	0.67	0.65	
25	0.63	0.74	0.73	0.79	1.08	1.05	1.24	0.88	0.84	0.80	0.66	0.64	
26	0.63	0.72	0.73	0.77	1.03	1.02	1.19	0.87	0.84	0.80	0.66	0.64	
27	0.63	0.70	0.72	0.75	1.00	1.03	1.16	0.87	0.83	0.79	0.66	0.64	
28	0.63	0.70	0.77	0.76	1.04	1.02	1.13	0.86	0.83	0.79	0.64	0.64	
29	0.63	0.69	0.75	1.02	0.99	1.01	1.11	0.86	0.83	0.78		0.64	
30	0.64	0.70	0.73	0.96	1.06	1.10	1.10	0.86	0.83	0.76		0.64	
31		0.71		0.86	1.12		1.08		0.83	0.76		0.64	
MEAN	0.63	0.69	0.76	0.85	1.13	1.34	1.18	0.94	0.85	0.80	0.71	0.65	
MAX	0.68	0.77	0.87	1.02	1.73	2.10	1.63	1.06	0.86	0.83	0.76	0.67	2.10
MIN	0.62	0.62	0.72	0.72	0.85	1.01	1.00	0.86	0.83	0.76	0.64	0.63	0.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.40 M (A.D), AT 1.00 HOURS, ON SEP 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.04 M (A.D)
LEFT BANK ELEVATION 3.22 M (A.D)
RIGHT BANK ELEVATION 5.69 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.38	3.25	5.48	5.48	11.30	26.52	24.00	21.64	10.40	9.95	7.04	2.96	
2	2.38	2.96	7.82	5.48	13.10	83.87	24.00	20.46	10.40	9.95	7.04	2.96	
3	2.38	2.67	7.43	5.48	11.75	133.60	25.26	19.28	10.40	9.95	7.04	2.96	
4	2.38	2.96	7.43	5.48	10.85	112.55	22.23	19.28	10.40	9.95	7.04	2.67	
5	4.12	3.25	7.82	6.65	12.20	109.70	19.87	18.10	10.40	9.95	7.04	2.67	
6	4.12	4.12	8.21	7.04	42.69	73.99	19.28	18.10	10.40	9.95	7.04	2.67	
7	2.38	5.09	9.50	6.65	49.70	58.41	22.23	17.60	11.30	9.50	7.04	2.67	
8	2.38	5.09	9.95	11.75	31.04	111.13	23.41	16.60	11.30	8.60	6.65	2.96	
9	2.38	5.48	6.65	15.60	22.23	71.65	23.41	16.60	11.30	8.60	6.65	3.25	
10	2.38	5.87	6.26	12.20	17.60	63.69	19.87	16.60	11.30	8.60	6.65	3.25	
11	2.38	5.09	11.75	13.60	17.10	51.55	18.10	16.60	11.30	8.60	6.26	2.96	
12	2.38	4.12	9.05	16.10	25.26	40.21	18.10	15.60	11.30	8.60	6.26	2.96	
13	2.38	3.54	8.21	18.69	22.23	34.76	23.41	15.10	11.30	8.60	6.26	2.96	
14	2.38	2.96	6.26	18.69	20.46	29.67	25.26	15.10	11.30	8.60	6.26	2.96	
15	2.67	2.38	6.26	15.60	36.99	25.26	20.46	14.60	11.30	8.60	4.41	3.25	
16	3.25	2.38	6.65	16.60	81.32	24.63	19.87	14.60	11.30	8.60	3.54	3.54	
17	3.25	3.54	7.43	18.10	54.33	24.00	22.23	14.60	11.30	8.60	3.83	3.83	
18	3.25	5.09	6.65	16.10	33.27	27.78	46.00	14.10	11.30	8.60	3.83	3.83	
19	3.54	5.87	6.65	12.65	31.79	36.24	54.33	14.10	11.30	8.60	3.83	3.54	
20	3.54	6.26	6.65	10.85	34.76	32.53	59.47	13.60	10.85	8.60	3.83	3.54	
21	3.25	5.48	6.26	8.60	31.79	27.78	69.31	13.60	10.85	8.60	3.83	3.54	
22	3.25	5.87	6.65	8.60	27.78	29.04	57.36	13.10	10.40	8.60	3.83	3.54	
23	2.67	5.48	6.65	8.60	31.79	25.26	51.55	13.10	10.40	8.60	3.83	3.54	
24	2.67	7.43	6.26	8.21	25.26	22.82	40.21	13.10	10.40	8.60	3.83	3.25	
25	2.67	6.26	5.87	8.21	22.82	21.05	33.27	12.20	10.40	8.60	3.54	2.96	
26	2.67	5.48	5.87	7.43	19.87	19.28	29.67	11.75	10.40	8.60	3.54	2.96	
27	2.67	4.70	5.48	6.65	18.10	19.87	27.78	11.75	9.95	8.21	3.54	2.96	
28	2.67	4.70	7.43	7.04	20.46	19.28	25.89	11.30	9.95	8.21	2.96	2.96	
29	2.67	4.41	6.65	19.28	17.60	18.69	24.63	11.30	9.95	7.82		2.96	
30	2.96	4.70	5.87	16.10	21.64	24.00	24.00	11.30	9.95	7.04		2.96	
31		5.09		11.30	25.26		22.82		9.95	7.04		2.96	
TOTAL	84.45	141.57	215.10	348.81	842.34	1398.81	937.28	454.76	332.75	270.92	146.44	96.98	5270.21 CMSDAY
MEAN	2.81	4.57	7.17	11.25	27.17	46.63	30.23	15.16	10.73	8.74	5.23	3.13	14.44 CMS
MAX	4.12	7.43	11.75	19.28	81.32	133.60	69.31	21.64	11.30	9.95	7.04	3.83	133.60 CMS
MIN	2.38	2.38	5.48	5.48	10.85	18.69	18.10	11.30	9.95	7.04	2.96	2.67	2.38 CMS
RUNOFF	7.296	12.232	18.585	30.137	72.778	120.857	80.981	39.291	28.750	23.407	12.652	8.379	455.346 MCM

MOMENTARY PEAK 182.25 CMS, AT 2.40 M (A.D), AT 1.00 HOURS, ON SEP 3, 1984

RUNOFF YIELD 10.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 134.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

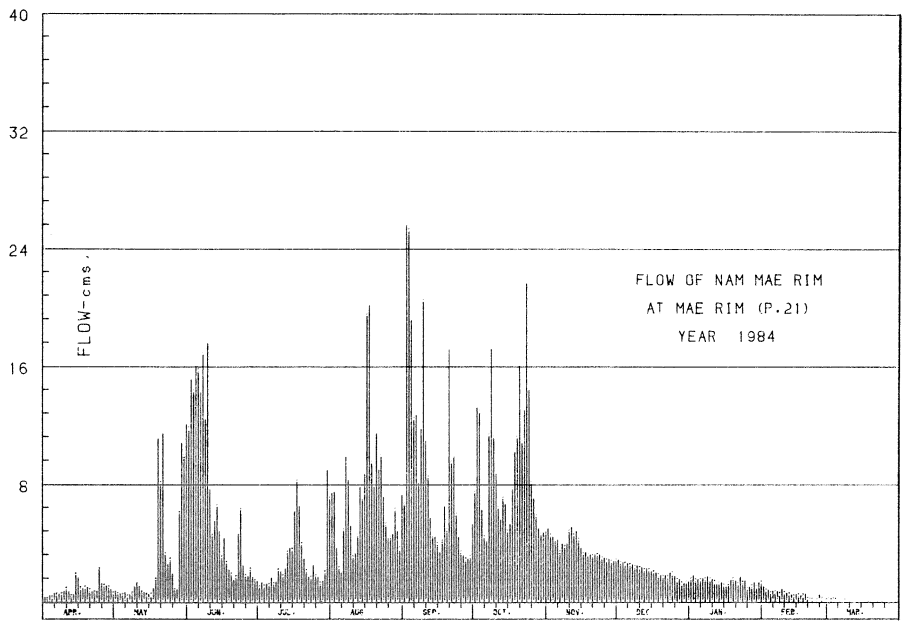
NAM MAE RIM NEAR MAE RIM, CHIANG MAI (P.21)

LOCATION	LAT. 18-55-29 N., LONG. 98-56-34 E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE RIM, CHIANG MAI.
DRAINAGE AREA	515 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+319.70 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF GAGE OBSERVER'S HOUSE.
ELEVATION	+322.038 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	320.13	320.26	321.39	320.35	321.08	321.03	321.09	320.87	320.63	320.45	320.33	320.12	
2	320.13	320.24	321.58	320.39	321.10	322.19	321.47	320.83	320.62	320.48	320.30	320.10	
3	320.17	320.21	321.54	320.36	320.73	322.09	321.46	320.81	320.61	320.44	320.28	320.12	
4	320.17	320.22	321.63	320.37	320.57	321.79	320.99	320.80	320.61	320.43	320.25	320.11	
5	320.22	320.23	321.62	320.38	320.51	321.43	320.82	320.79	320.60	320.44	320.26	320.09	
6	320.23	320.19	321.53	320.45	320.87	321.44	320.78	320.71	320.60	320.44	320.27	320.08	
7	320.20	320.19	321.68	320.39	321.26	321.13	321.36	320.76	320.59	320.45	320.25	320.09	
8	320.24	320.25	321.42	320.40	321.16	321.38	321.69	320.75	320.58	320.47	320.24	320.07	
9	320.26	320.33	321.72	320.55	320.89	321.86	321.35	320.76	320.58	320.45	320.30	320.07	
10	320.33	320.39	321.10	320.52	320.67	321.33	321.18	320.86	320.57	320.43	320.25	320.08	
11	320.25	320.34	320.83	320.49	320.69	321.17	321.01	320.88	320.56	320.42	320.22	320.07	
12	320.20	320.27	320.92	320.55	320.83	320.94	320.93	320.83	320.55	320.36	320.23	320.04	
13	320.19	320.24	321.02	320.71	321.11	320.83	321.06	320.85	320.55	320.40	320.18	320.09	
14	320.51	320.22	320.85	320.73	321.06	320.81	321.02	320.80	320.55	320.39	320.19	320.09	
15	320.45	320.20	320.67	320.73	321.18	320.77	320.86	320.73	320.52	320.37	320.19	320.05	
16	320.34	320.23	320.80	320.98	321.81	320.70	320.90	320.70	320.53	320.33	320.21	320.05	
17	320.31	320.31	320.62	321.15	321.84	320.79	321.11	320.70	320.51	320.40	320.17	320.04	
18	320.35	320.45	320.54	321.01	321.24	321.01	321.28	320.69	320.50	320.42	320.21	320.06	
19	320.33	321.34	320.51	320.77	321.11	320.87	321.35	320.68	320.48	320.45	320.20	320.05	
20	320.31	321.14	320.42	320.64	321.37	321.69	321.63	320.68	320.48	320.41	320.13	320.04	
21	320.25	321.36	320.48	320.54	321.20	321.24	321.33	320.68	320.48	320.39	320.11	320.06	
22	320.27	320.70	320.83	320.46	321.27	321.26	321.46	320.69	320.48	320.46	320.11	320.10	
23	320.26	320.59	321.00	320.47	321.06	320.97	321.92	320.68	320.51	320.41	320.10	320.06	
24	320.56	320.65	320.58	320.58	320.91	320.81	321.54	320.66	320.52	320.41	320.09	320.07	
25	320.38	320.50	320.49	320.49	320.80	320.71	321.14	320.65	320.47	320.32	320.18	320.07	
26	320.37	320.31	320.47	320.46	320.82	320.67	321.05	320.64	320.44	320.33	320.13	320.09	
27	320.35	320.29	320.56	320.40	320.83	320.65	320.96	320.64	320.43	320.36	320.09	320.05	
28	320.35	320.98	320.46	320.41	321.00	320.64	320.87	320.63	320.40	320.39	320.10	320.04	
29	320.29	321.32	320.43	320.53	320.85	320.67	320.84	320.62	320.38	320.35		320.02	
30	320.25	321.27	320.41	321.20	320.74	320.90	320.84	320.64	320.41	320.39		320.02	
31		321.40		321.06	321.07		320.87		320.40	320.41		320.03	
MEAN	320.29	320.54	320.94	320.60	321.02	321.13	321.17	320.73	320.52	320.41	320.20	320.07	
MAX	320.56	321.40	321.72	321.20	321.84	322.19	321.92	320.88	320.63	320.48	320.33	320.12	322.19
MIN	320.13	320.19	320.41	320.35	320.51	320.64	320.78	320.62	320.38	320.32	320.09	320.02	320.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 322.23 M (MSL), AT 18.00 HOURS, ON SEP 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 319.70 M (MSL), RIVER BED 319.54 M (MSL)
LEFT BANK ELEVATION 322.98 M (MSL)
RIGHT BANK ELEVATION 322.85 M (MSL), DRAINAGE AREA 515 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.34	0.76	11.94	1.15	7.44	6.79	7.57	5.02	2.87	1.68	1.05	0.31	
2	0.34	0.69	15.14	1.35	7.70	25.62	13.22	4.64	2.80	1.84	0.90	0.25	
3	0.46	0.59	14.42	1.20	3.69	25.39	13.06	4.44	2.73	1.62	0.83	0.31	
4	0.46	0.62	16.07	1.25	2.44	19.20	6.29	4.35	2.73	1.57	0.73	0.28	
5	0.62	0.66	15.88	1.30	2.02	12.58	4.54	4.26	2.65	1.62	0.76	0.24	
6	0.66	0.52	14.24	1.68	5.02	12.74	4.16	3.50	2.65	1.62	0.80	0.22	
7	0.55	0.52	17.02	1.35	9.90	8.09	11.46	3.97	2.58	1.68	0.73	0.24	
8	0.69	0.73	12.42	1.40	8.48	11.78	17.21	3.87	2.51	1.79	0.69	0.21	
9	0.76	1.05	17.80	2.30	5.21	20.60	11.30	3.97	2.51	1.68	0.90	0.21	
10	1.05	1.35	7.70	2.09	3.18	10.98	8.74	4.92	2.44	1.57	0.73	0.22	
11	0.73	1.10	4.64	1.90	3.32	8.61	6.53	5.11	2.37	1.51	0.62	0.21	
12	0.55	0.80	5.52	2.30	4.64	5.74	5.63	4.64	2.30	1.20	0.66	0.17	
13	0.52	0.69	6.66	3.50	7.83	4.64	7.18	4.83	2.30	1.40	0.49	0.24	
14	2.02	0.62	4.83	3.69	7.18	4.44	6.66	4.35	2.30	1.35	0.52	0.24	
15	1.68	0.55	3.18	3.69	8.74	4.07	4.92	3.69	2.09	1.25	0.52	0.19	
16	1.10	0.66	4.35	6.18	19.60	3.40	5.30	3.40	2.16	1.05	0.59	0.19	
17	0.95	0.95	2.80	8.35	20.20	4.26	7.83	3.40	2.02	1.40	0.46	0.17	
18	1.15	1.68	2.23	6.53	9.60	6.53	10.20	3.32	1.95	1.51	0.59	0.20	
19	1.05	11.14	2.02	4.07	7.83	5.02	11.30	3.25	1.84	1.68	0.55	0.19	
20	0.95	8.22	1.51	2.95	11.62	17.21	16.07	3.25	1.84	1.46	0.34	0.17	
21	0.73	11.46	1.84	2.23	9.00	9.60	10.98	3.25	1.84	1.35	0.28	0.20	
22	0.80	3.40	4.64	1.73	10.05	9.90	13.06	3.32	1.84	1.73	0.28	0.25	
23	0.76	2.58	6.40	1.79	7.18	6.07	21.82	3.25	2.02	1.46	0.25	0.20	
24	2.37	3.03	2.51	2.51	5.41	4.44	14.42	3.10	2.09	1.46	0.24	0.21	
25	1.30	1.95	1.90	1.90	4.35	3.50	8.22	3.03	1.79	1.00	0.49	0.21	
26	1.25	0.95	1.79	1.73	4.54	3.18	7.05	2.95	1.62	1.05	0.34	0.24	
27	1.15	0.87	2.37	1.40	4.64	3.03	5.96	2.95	1.57	1.20	0.24	0.19	
28	1.15	6.18	1.73	1.46	6.40	2.95	5.02	2.87	1.40	1.35	0.25	0.17	
29	0.87	10.82	1.57	2.16	4.83	3.18	4.73	2.80	1.30	1.15		0.15	
30	0.73	10.05	1.46	9.00	3.78	5.30	4.73	2.95	1.46	1.35		0.15	
31		12.10		7.18	7.31		5.02		1.40	1.46		0.16	
TOTAL	27.74	97.29	206.58	91.32	223.13	268.84	280.18	112.65	65.97	45.04	15.83	6.59	1441.16 CMSDAY
MEAN	0.92	3.14	6.89	2.95	7.20	8.96	9.04	3.76	2.13	1.45	0.57	0.21	3.95 CMS
MAX	2.37	12.10	17.80	9.00	20.20	25.62	21.82	5.11	2.87	1.84	1.05	0.31	25.62 CMS
MIN	0.34	0.52	1.46	1.15	2.02	2.95	4.16	2.80	1.30	1.00	0.24	0.15	0.15 CMS
RUNOFF	2.397	8.406	17.849	7.890	19.278	23.228	24.208	9.733	5.700	3.891	1.368	0.569	124.516 MCM

MOMENTARY PEAK 25.63 CMS, AT 322.23 M (MSL), AT 18.00 HOURS, ON SEP 2, 1984

RUNOFF YIELD 7.67 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 49.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

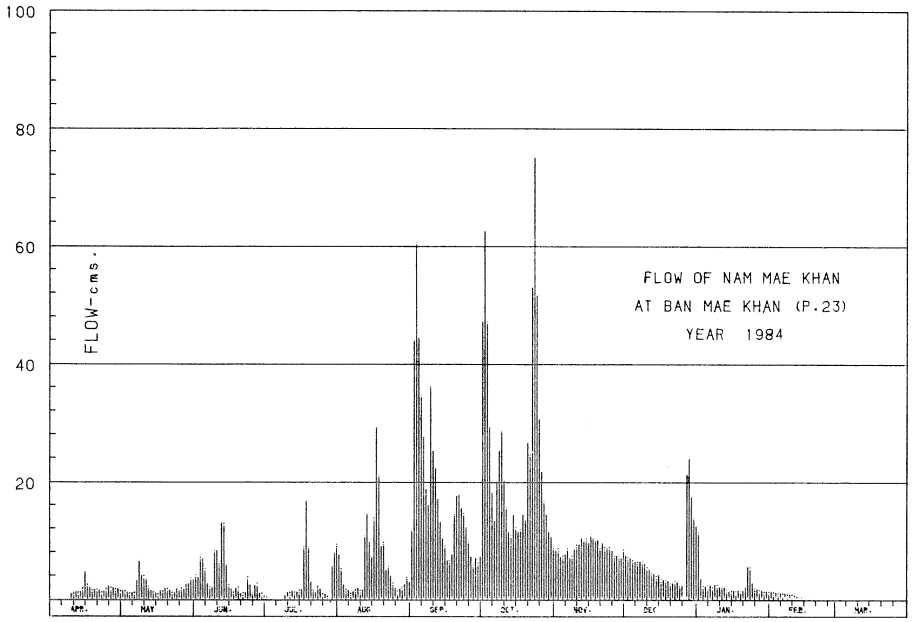
NAM MAE KHAN AT BAN MAE KHAN, CHIANG MAI (P.23)

LOCATION	LAT. 18-31-37 N., LONG. 98-51-42 E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE SAN PA TONG, CHIANG MAI.
DRAINAGE AREA	1,777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+285.622 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+289.483 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967, 1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967, 1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.40	286.71	286.99	286.50	287.11	286.89	287.94	286.74	286.70	287.21	286.68	286.43	
2	286.40	286.72	286.96	286.47	287.03	287.85	288.27	286.76	286.69	286.95	286.67	286.43	
3	286.40	286.65	287.10	286.42	286.88	288.23	287.93	286.69	286.68	286.85	286.64	286.42	
4	286.39	286.64	287.09	286.43	286.77	287.86	287.46	286.70	286.66	286.84	286.65	286.42	
5	286.39	286.63	287.03	286.46	286.72	287.61	287.13	286.71	286.65	286.87	286.62	286.41	
6	286.39	286.66	286.90	286.38	286.64	287.41	286.94	286.76	286.65	286.86	286.63	286.38	
7	286.39	286.93	286.83	286.33	286.68	287.15	287.18	286.68	286.65	286.83	286.62	286.38	
8	286.41	287.09	286.81	286.29	286.76	287.04	287.34	286.70	286.65	286.88	286.59	286.39	
9	286.60	286.98	287.13	286.59	286.79	287.66	287.45	286.75	286.63	286.88	286.59	286.41	
10	286.64	286.98	287.13	286.64	286.74	287.34	287.18	286.79	286.60	286.82	286.59	286.39	
11	286.67	286.94	287.06	286.66	286.74	287.26	287.03	286.79	286.58	286.88	286.55	286.39	
12	286.67	286.84	287.24	286.69	287.20	287.08	286.87	286.85	286.55	286.81	286.51	286.39	
13	286.67	286.70	287.24	286.68	287.27	286.95	286.85	286.81	286.54	286.77	286.51	286.39	
14	286.81	286.68	287.05	286.66	287.18	286.83	286.98	286.83	286.52	286.68	286.49	286.39	
15	287.01	286.62	286.89	286.75	287.10	286.78	286.90	286.80	286.53	286.72	286.48	286.37	
16	286.89	286.61	286.77	286.76	287.26	286.66	286.87	286.86	286.49	286.71	286.48	286.36	
17	286.80	286.70	286.67	287.15	287.46	286.66	286.89	286.83	286.48	286.70	286.48	286.32	
18	286.75	286.71	286.79	287.31	287.37	286.71	286.98	286.83	286.48	286.71	286.47	286.32	
19	286.74	286.79	286.83	287.15	287.15	287.00	286.96	286.82	286.47	286.72	286.47	286.32	
20	286.76	286.79	286.60	286.92	287.17	287.10	287.38	286.76	286.44	286.70	286.47	286.30	
21	286.72	286.71	286.65	286.74	287.02	287.12	287.32	286.80	286.44	286.83	286.46	286.31	
22	286.67	286.66	286.64	286.63	286.61	287.02	288.06	286.77	286.47	287.04	286.46	286.32	
23	286.70	286.64	286.97	286.85	286.52	286.99	288.53	286.76	286.45	287.04	286.46	286.35	
24	286.79	286.77	286.88	286.76	286.45	286.90	288.03	286.77	286.44	286.91	286.47	286.37	
25	286.84	286.69	286.66	286.62	286.38	286.82	287.51	286.74	286.41	286.80	286.46	286.39	
26	286.82	286.81	286.86	286.58	286.35	286.69	287.23	286.70	286.52	286.77	286.45	286.39	
27	286.81	286.75	286.91	286.53	286.37	286.62	287.07	286.70	287.37	286.74	286.45	286.41	
28	286.78	286.89	286.62	286.48	286.41	286.68	286.98	286.70	287.41	286.71	286.44	286.42	
29	286.76	286.90	286.64	287.06	286.43	286.64	286.89	286.68	287.32	286.69		286.43	
30	286.72	286.96	286.54	287.12	286.51	286.69	286.84	286.75	287.26	286.68		286.44	
31		286.94		287.16	286.45		286.78		287.23	286.69		286.46	
MEAN	286.66	286.78	286.88	286.70	286.82	287.07	287.28	286.76	286.68	286.82	286.53	286.38	
MAX	287.01	287.09	287.24	287.31	287.46	288.23	288.53	286.86	287.41	287.21	286.68	286.46	288.53
MIN	286.39	286.61	286.54	286.29	286.35	286.62	286.78	286.68	286.41	286.68	286.44	286.30	286.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 288.79 M (MSL), AT 18.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 285.51 M (MSL), RIVER BED 285.51 M (MSL)
LEFT BANK ELEVATION 291.64 M (MSL)
RIGHT BANK ELEVATION 291.73 M (MSL), DRAINAGE AREA 1777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	1.55	4.32	0.50	7.58	12.03	47.72	8.34	7.50	11.50	1.40	0.16	
2	0.01	1.60	3.78	0.35	5.31	44.00	62.59	8.76	7.30	3.60	1.35	0.16	
3	0.01	1.25	7.20	0.11	2.56	60.71	47.29	7.30	7.11	2.35	1.20	0.11	
4	0.01	1.20	6.93	0.16	1.85	44.40	29.34	7.50	6.72	2.28	1.25	0.11	
5	0.01	1.15	5.31	0.30	1.60	34.77	18.63	7.71	6.52	2.49	1.10	0.06	
6	0.01	1.30	2.70	0.01	1.20	27.64	13.38	8.76	6.52	2.42	1.15	0.01	
7	0.01	3.24	2.21	0.01	1.40	19.25	20.18	7.11	6.52	2.21	1.10	0.01	
8	0.06	6.93	2.07	0.00	1.80	16.08	25.32	7.50	6.52	2.56	0.95	0.01	
9	1.00	4.14	8.34	0.95	1.95	36.62	29.00	8.55	6.13	2.56	0.95	0.06	
10	1.20	4.14	8.34	1.20	1.70	25.32	20.18	9.39	5.55	2.14	0.95	0.01	
11	1.35	3.42	6.12	1.30	1.70	22.72	15.81	9.39	5.18	2.56	0.75	0.01	
12	1.35	2.28	13.00	1.45	11.00	17.16	11.49	10.95	4.62	2.07	0.55	0.01	
13	1.35	1.50	13.00	1.40	14.50	13.65	10.95	9.87	4.44	1.85	0.55	0.01	
14	2.07	1.40	5.85	1.30	10.24	10.41	14.46	10.41	4.07	1.40	0.45	0.01	
15	4.77	1.10	2.63	1.75	7.20	9.18	12.30	9.60	4.25	1.60	0.40	0.01	
16	2.63	1.05	1.85	1.80	14.00	6.72	11.49	11.22	3.55	1.55	0.40	0.01	
17	2.00	1.50	1.35	9.10	29.20	6.72	12.03	10.41	3.40	1.50	0.40	0.01	
18	1.75	1.55	1.95	16.75	21.25	7.71	14.46	10.41	3.40	1.55	0.35	0.01	
19	1.70	1.95	2.21	9.10	9.10	15.00	13.92	10.14	3.25	1.60	0.35	0.01	
20	1.80	1.95	1.00	3.06	9.86	17.70	26.64	8.76	2.80	1.50	0.35	0.00	
21	1.60	1.55	1.25	1.70	5.04	18.32	24.66	9.60	2.80	2.21	0.30	0.01	
22	1.35	1.30	1.20	1.15	5.74	15.54	53.00	8.97	3.25	5.58	0.30	0.01	
23	1.50	1.20	3.96	2.35	4.07	14.73	75.50	8.76	2.95	5.58	0.30	0.01	
24	1.95	1.85	2.56	1.80	2.95	12.30	51.65	8.97	2.80	2.88	0.35	0.01	
25	2.28	1.45	1.30	1.10	1.94	10.14	31.07	8.34	2.35	2.00	0.30	0.01	
26	2.14	2.07	2.42	0.90	1.55	7.30	21.76	7.50	0.60	1.85	0.25	0.01	
27	2.07	1.75	2.88	0.65	1.81	5.94	16.89	7.50	21.25	1.70	0.25	0.06	
28	1.90	2.63	1.10	0.40	2.35	7.11	14.46	7.50	24.45	1.55	0.21	0.11	
29	1.80	2.70	1.20	6.12	2.65	6.33	12.03	7.11	17.50	1.45		0.16	
30	1.60	3.78	0.70	7.96	3.89	7.30	10.68	8.55	14.00	1.40		0.21	
31		3.42		9.48	2.95		9.18		12.50	1.45		0.30	
TOTAL	41.29	67.90	118.73	84.21	189.94	552.80	778.06	264.88	209.80	78.94	18.21	1.69	2406.45 CMSDAY
MEAN	1.38	2.19	3.96	2.72	6.13	18.43	25.10	8.83	6.77	2.55	0.65	0.05	6.59 CMS
MAX	4.77	6.93	13.00	16.75	29.20	60.71	75.50	11.22	24.45	11.50	1.40	0.30	75.50 CMS
MIN	0.01	1.05	0.70	0.00	1.20	5.94	9.18	7.11	0.60	1.40	0.21	0.00	0.00 CMS
RUNOFF	3.567	5.867	10.258	7.276	16.411	47.762	67.224	22.886	18.127	6.820	1.573	0.146	207.917 MCM

MOMENTARY PEAK 89.17 CMS, AT 288.79 M (MSL), AT 18.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 3.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 50.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

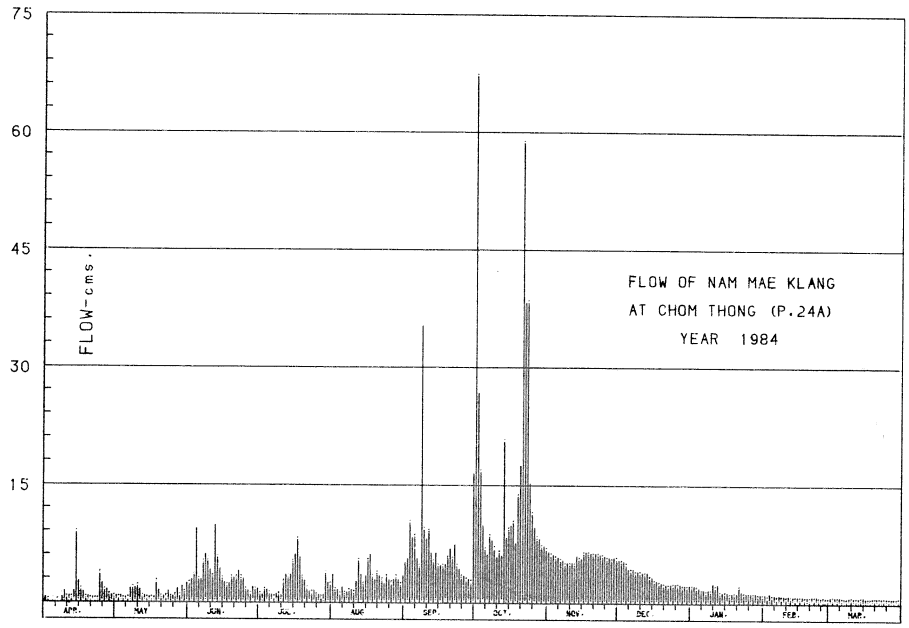
NAM MAE KLANG AT CHOM THONG, CHIANG MAI (P.24A)

LOCATION	LAT. 18-25-01 N., LONG. 98-40-29 E., ON LEFT BANK AT PRACHA UTHIT BRIDGE, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	460 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+274.693 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 NEAR THE GAGE OBSERVER'S HOUSE, B.M.2 ON LEFT BANK AT ABUTMENT.
ELEVATION	B.M.1 =+277.954 M. (M.S.L.), B.M.2 =+280.309 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 72 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	275.45	275.48	275.65	275.53	275.72	275.82	277.93	275.90	275.84	275.61	275.51	275.47	
2	275.44	275.48	275.67	275.50	275.58	275.85	276.74	275.89	275.84	275.61	275.49	275.48	
3	275.43	275.48	275.73	275.58	275.56	276.10	276.38	275.88	275.83	275.60	275.52	275.47	
4	275.44	275.46	276.05	275.56	275.53	276.00	276.07	275.87	275.82	275.58	275.50	275.47	
5	275.43	275.45	275.69	275.54	275.59	276.02	275.93	275.86	275.77	275.56	275.50	275.47	
6	275.43	275.47	275.67	275.50	275.54	275.85	275.88	275.85	275.77	275.56	275.49	275.46	
7	275.43	275.57	275.84	275.49	275.53	275.81	276.02	275.84	275.77	275.55	275.50	275.46	
8	275.52	275.60	275.88	275.51	275.57	277.02	275.98	275.82	275.75	275.56	275.49	275.45	
9	275.54	275.58	275.86	275.53	275.56	276.06	275.94	275.82	275.75	275.56	275.49	275.46	
10	275.48	275.62	275.76	275.49	275.55	275.99	275.86	275.82	275.75	275.63	275.48	275.47	
11	275.48	275.56	275.72	275.67	275.65	276.05	275.91	275.82	275.74	275.61	275.49	275.46	
12	275.48	275.50	276.07	275.72	275.85	275.89	275.87	275.82	275.74	275.62	275.49	275.46	
13	275.54	275.48	275.87	275.72	275.72	275.84	276.53	275.87	275.74	275.54	275.48	275.46	
14	276.04	275.47	275.77	275.72	275.64	275.89	276.00	275.86	275.71	275.53	275.48	275.47	
15	275.65	275.46	275.70	275.84	275.71	275.81	276.06	275.85	275.70	275.54	275.48	275.47	
16	275.58	275.47	275.64	275.88	275.85	275.80	276.07	275.90	275.67	275.53	275.48	275.45	
17	275.53	275.46	275.63	276.00	275.88	275.81	276.10	275.90	275.66	275.52	275.48	275.45	
18	275.48	275.67	275.63	275.86	275.72	275.81	275.96	275.90	275.65	275.52	275.47	275.45	
19	275.47	275.55	275.71	275.71	275.67	275.87	276.25	275.89	275.64	275.53	275.47	275.46	
20	275.46	275.49	275.69	275.66	275.75	275.92	276.40	275.89	275.63	275.52	275.47	275.46	
21	275.45	275.47	275.71	275.60	275.71	275.86	277.70	275.89	275.62	275.61	275.48	275.46	
22	275.45	275.50	275.75	275.54	275.69	275.95	277.11	275.89	275.62	275.54	275.48	275.46	
23	275.45	275.54	275.71	275.55	275.63	275.81	277.12	275.88	275.62	275.53	275.48	275.46	
24	275.75	275.49	275.68	275.55	275.72	275.77	276.31	275.88	275.63	275.52	275.47	275.46	
25	275.63	275.47	275.58	275.52	275.67	275.72	276.15	275.87	275.63	275.52	275.46	275.46	
26	275.57	275.51	275.55	275.50	275.66	275.71	276.06	275.86	275.63	275.52	275.47	275.45	
27	275.56	275.57	275.53	275.49	275.67	275.69	276.01	275.86	275.62	275.52	275.46	275.45	
28	275.52	275.51	275.59	275.50	275.72	275.68	275.99	275.85	275.61	275.52	275.46	275.45	
29	275.49	275.60	275.58	275.75	275.67	275.67	275.95	275.86	275.61	275.51		275.45	
30	275.50	275.55	275.57	275.64	275.64	276.36	275.94	275.86	275.61	275.51		275.46	
31		275.63		275.64	275.71		275.93		275.61	275.51		275.45	
MEAN	275.52	275.52	275.72	275.62	275.67	275.91	276.26	275.87	275.70	275.55	275.48	275.46	
MAX	276.04	275.67	276.07	276.00	275.88	277.02	277.93	275.90	275.84	275.63	275.52	275.48	277.93
MIN	275.43	275.45	275.53	275.49	275.53	275.67	275.86	275.82	275.61	275.51	275.46	275.45	275.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 278.24 M (MSL), AT 12.00 HOURS, ON OCT 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 274.69 M (MSL), RIVER BED 275.28 M (MSL)
LEFT BANK ELEVATION 280.25 M (MSL)
RIGHT BANK ELEVATION 280.25 M (MSL), DRAINAGE AREA 460 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.85	2.70	1.33	3.59	5.10	67.41	6.50	5.45	2.22	1.11	0.78	
2	0.55	0.85	2.94	1.00	1.88	5.63	26.70	6.33	5.45	2.22	0.92	0.85	
3	0.47	0.85	3.74	1.88	1.66	10.50	17.00	6.15	5.28	2.10	1.22	0.78	
4	0.55	0.70	9.40	1.66	1.33	8.30	9.84	5.98	5.10	1.88	1.00	0.78	
5	0.47	0.63	3.18	1.44	1.99	8.74	7.04	5.80	4.31	1.66	1.00	0.78	
6	0.47	0.78	2.94	1.00	1.44	5.63	6.15	5.63	4.31	1.66	0.92	0.70	
7	0.47	1.77	5.45	0.92	1.33	4.93	8.74	5.45	4.31	1.55	1.00	0.70	
8	1.22	2.10	6.15	1.11	1.77	35.34	7.94	5.10	4.03	1.66	0.92	0.63	
9	1.44	1.88	5.80	1.33	1.66	9.62	7.22	5.10	4.03	1.66	0.92	0.70	
10	0.85	2.34	4.17	0.92	1.55	8.12	5.80	5.10	4.03	2.46	0.85	0.78	
11	0.85	1.66	3.59	2.94	2.70	9.40	6.68	5.10	3.88	2.22	0.92	0.70	
12	0.85	1.00	9.84	3.59	5.63	6.33	5.98	5.10	3.88	2.34	0.92	0.70	
13	1.44	0.85	5.98	3.59	3.59	5.45	20.89	5.98	3.88	1.44	0.85	0.70	
14	9.18	0.78	4.31	3.59	2.58	6.33	8.30	5.80	3.44	1.33	0.85	0.78	
15	2.70	0.70	3.30	5.45	3.44	4.93	9.62	5.63	3.30	1.44	0.85	0.78	
16	1.88	0.78	2.58	6.15	5.63	4.75	9.84	6.50	2.94	1.33	0.85	0.63	
17	1.33	0.70	2.46	8.30	6.15	4.93	10.50	6.50	2.82	1.22	0.85	0.63	
18	0.85	2.94	2.46	5.80	3.59	4.93	7.58	6.50	2.70	1.22	0.78	0.63	
19	0.78	1.55	3.44	3.44	2.94	5.98	13.85	6.33	2.58	1.33	0.78	0.70	
20	0.70	0.92	3.18	2.82	4.03	6.86	17.50	6.33	2.46	1.22	0.78	0.70	
21	0.63	0.78	3.44	2.10	3.44	5.80	58.90	6.33	2.34	2.22	0.85	0.70	
22	0.63	1.00	4.03	1.44	3.18	7.40	38.24	6.33	2.34	1.44	0.85	0.70	
23	0.63	1.44	3.44	1.55	2.46	4.93	38.58	6.15	2.34	1.33	0.85	0.70	
24	4.03	0.92	3.06	1.55	3.59	4.31	15.25	6.15	2.46	1.22	0.78	0.70	
25	2.46	0.78	1.88	1.22	2.94	3.59	11.60	5.98	2.46	1.22	0.70	0.70	
26	1.77	1.11	1.55	1.00	2.82	3.44	9.62	5.80	2.46	1.22	0.78	0.63	
27	1.66	1.77	1.33	0.92	2.94	3.18	8.52	5.80	2.34	1.22	0.70	0.63	
28	1.22	1.11	1.99	1.00	3.59	3.06	8.12	5.63	2.22	1.22	0.70	0.63	
29	0.92	2.10	1.88	4.03	2.94	2.94	7.40	5.80	2.22	1.11		0.63	
30	1.00	1.55	1.77	2.58	2.58	16.50	7.22	5.80	2.22	1.11		0.70	
31		2.46		2.58	3.44		7.04		2.22	1.11		0.63	
TOTAL	42.63	39.65	111.98	78.23	92.40	216.95	485.07	176.68	103.80	48.58	24.50	21.78	1442.25 CMSDAY
MEAN	1.42	1.28	3.73	2.52	2.98	7.23	15.65	5.89	3.35	1.57	0.88	0.70	3.95 CMS
MAX	9.18	2.94	9.84	8.30	6.15	35.34	67.41	6.50	5.45	2.46	1.22	0.85	67.41 CMS
MIN	0.47	0.63	1.33	0.92	1.33	2.94	5.80	5.10	2.22	1.11	0.70	0.63	0.47 CMS
RUNOFF	3.683	3.426	9.675	6.759	7.983	18.744	41.910	15.265	8.968	4.197	2.117	1.882	124.610 MCM

MOMENTARY PEAK 79.35 CMS, AT 278.24 M (MSL), AT 12.00 HOURS, ON OCT 1, 1984

RUNOFF YIELD 8.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 172.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

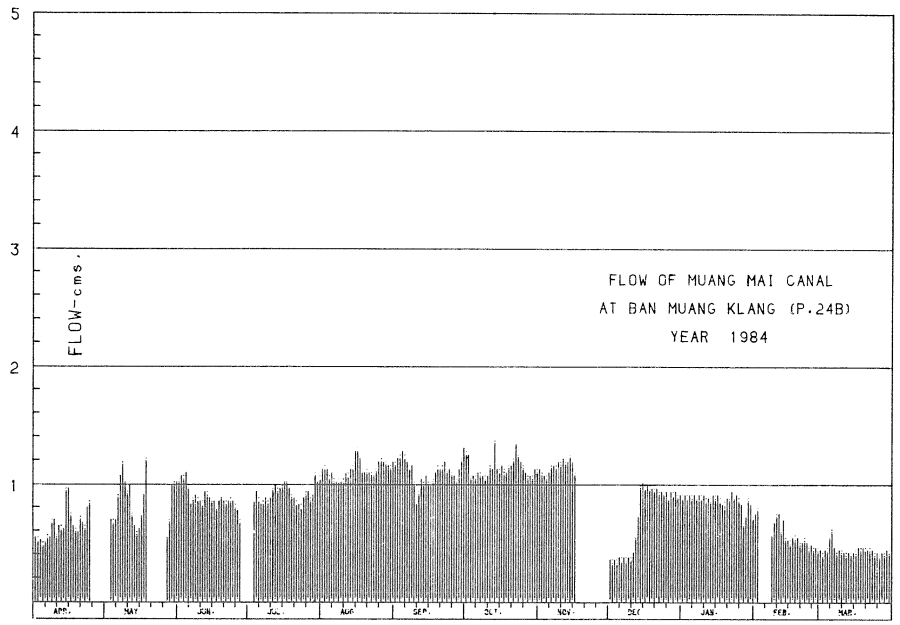
MUANG MAI CANAL AT BAN MUANG KLANG, CHIANG MAI (P.24B)

LOCATION	LAT. 18-28-05 N., LONG. 98-39-48 E., ON LEFT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG CHIANG MAI.
DRAINAGE AREA	CANAL
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+291.600 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF INSPECTOR'S HOUSE AT PAK MUANG LUANG.
ELEVATION	+291.201 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 59 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	291.99	291.68	292.18	291.68	292.21	292.23	292.26	292.21	291.90	292.13	292.07	291.94	
2	291.99	291.68	292.19	291.68	292.22	292.24	292.25	292.20	291.90	292.13	292.09	291.93	
3	291.98	292.05	292.19	292.11	292.21	292.25	292.19	292.19	291.90	292.13	291.68	291.94	
4	291.97	292.05	292.20	292.14	292.19	292.26	292.19	292.19	291.90	292.13	291.68	291.95	
5	291.97	292.05	292.16	292.12	292.20	292.25	292.19	292.20	291.91	292.13	291.68	291.99	
6	292.00	292.13	292.10	292.10	292.18	292.23	292.20	292.22	291.91	292.13	291.68	292.02	
7	291.99	292.19	292.12	292.11	292.17	292.22	292.20	292.22	291.91	292.13	291.68	291.95	
8	292.05	292.23	292.13	292.12	292.18	292.22	292.19	292.22	291.91	292.13	292.00	291.93	
9	292.05	292.17	292.12	292.11	292.17	292.17	292.19	292.23	291.91	292.13	292.04	291.94	
10	292.00	292.14	292.11	292.12	292.18	292.10	292.19	292.23	291.91	292.13	292.07	291.94	
11	292.03	292.16	292.11	292.15	292.20	292.14	292.22	292.24	291.93	292.12	292.07	291.93	
12	292.03	292.07	292.14	292.16	292.20	292.18	292.21	292.23	292.00	292.12	292.02	291.93	
13	292.02	292.03	292.14	292.15	292.21	292.17	292.29	292.23	292.06	292.12	292.05	291.93	
14	292.15	292.01	292.12	292.15	292.22	292.19	292.21	292.25	292.16	292.13	291.99	291.93	
15	292.15	292.02	292.12	292.16	292.26	292.17	292.21	292.23	292.17	292.13	291.98	291.93	
16	292.07	292.07	292.11	292.17	292.27	292.16	292.22	292.20	292.16	292.13	291.98	291.94	
17	292.03	292.13	292.09	292.18	292.24	292.18	292.21	291.68	292.16	292.12	291.99	291.95	
18	292.02	292.24	292.11	292.15	292.21	292.20	292.20	291.68	292.16	292.10	292.00	291.95	
19	292.01	291.68	292.13	292.13	292.20	292.22	292.22	291.68	292.15	292.11	291.99	291.95	
20	292.06	291.68	292.11	292.12	292.21	292.21	292.22	291.68	292.15	292.12	291.97	291.95	
21	292.04	291.68	292.11	292.11	292.20	292.22	292.24	291.68	292.15	292.13	291.97	291.94	
22	292.03	291.68	292.11	292.10	292.20	292.23	292.28	291.68	292.14	292.14	291.99	291.95	
23	292.09	291.68	292.12	292.10	292.19	292.21	292.25	291.68	292.14	292.13	291.97	291.94	
24	292.11	291.68	292.11	292.12	292.21	292.21	292.23	291.68	292.14	292.13	291.95	291.93	
25	291.68	291.68	292.10	292.14	292.23	292.20	292.22	291.68	292.14	292.12	291.96	291.93	
26	291.68	291.68	292.08	292.14	292.24	292.19	292.20	291.68	292.13	292.10	291.95	291.92	
27	291.68	291.99	292.05	292.12	292.23	292.18	292.19	291.68	292.14	292.04	291.95	291.93	
28	291.68	292.05	291.68	292.13	292.23	292.21	292.19	291.68	292.14	292.06	291.95	291.93	
29	291.68	292.16	291.68	292.20	292.22	292.24	292.19	291.68	292.14	292.12		291.94	
30	291.68	292.17	291.68	292.17	292.22	292.27	292.21	291.68	292.13	292.10		291.94	
31		292.17		292.19	292.23		292.21		292.13	292.06		291.93	
MEAN	291.96	291.97	292.08	292.11	292.21	292.21	292.22	291.97	292.05	292.12	291.94	291.94	
MAX	292.15	292.24	292.20	292.20	292.27	292.27	292.29	292.25	292.17	292.14	292.09	292.02	292.29
MIN	291.68	291.68	291.68	291.68	292.17	292.10	292.19	291.68	291.90	292.04	291.68	291.92	291.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 292.32 M (MSL), AT 9.00 HOURS, ON OCT 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 291.60 M (MSL), RIVER BED 291.68 M (MSL)
LEFT BANK ELEVATION 293.47 M (MSL)
RIGHT BANK ELEVATION 293.65 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.549	0.000	1.046	0.000	1.130	1.190	1.280	1.130	0.360	0.911	0.752	0.444	
2	0.549	0.000	1.073	0.000	1.160	1.220	1.250	1.100	0.360	0.911	0.804	0.423	
3	0.528	0.700	1.073	0.857	1.130	1.250	1.073	1.073	0.360	0.911	0.000	0.444	
4	0.507	0.700	1.100	0.938	1.073	1.280	1.073	1.073	0.360	0.911	0.000	0.465	
5	0.507	0.700	0.992	0.884	1.100	1.250	1.073	1.100	0.381	0.911	0.000	0.549	
6	0.570	0.911	0.830	0.830	1.046	1.190	1.100	1.160	0.381	0.911	0.000	0.622	
7	0.549	1.073	0.884	0.857	1.019	1.160	1.100	1.160	0.381	0.911	0.000	0.465	
8	0.700	1.190	0.911	0.884	1.046	1.160	1.073	1.160	0.381	0.911	0.570	0.423	
9	0.700	1.019	0.884	0.857	1.019	1.019	1.073	1.190	0.381	0.911	0.674	0.444	
10	0.570	0.938	0.857	0.884	1.046	0.830	1.073	1.190	0.381	0.911	0.752	0.444	
11	0.648	0.992	0.857	0.965	1.100	0.938	1.160	1.220	0.423	0.884	0.752	0.423	
12	0.648	0.752	0.938	0.992	1.100	1.046	1.130	1.190	0.570	0.884	0.622	0.423	
13	0.622	0.648	0.938	0.965	1.130	1.019	1.370	1.190	0.726	0.884	0.700	0.423	
14	0.965	0.596	0.884	0.965	1.160	1.073	1.130	1.250	0.992	0.911	0.549	0.423	
15	0.965	0.622	0.884	0.992	1.280	1.019	1.130	1.190	1.019	0.911	0.528	0.423	
16	0.752	0.752	0.857	1.019	1.310	0.992	1.160	1.100	0.992	0.911	0.528	0.444	
17	0.648	0.911	0.804	1.046	1.220	1.046	1.130	0.000	0.992	0.884	0.549	0.465	
18	0.622	1.220	0.857	0.965	1.130	1.100	1.100	0.000	0.992	0.830	0.570	0.465	
19	0.596	0.000	0.911	0.911	1.100	1.160	1.160	0.000	0.965	0.857	0.549	0.465	
20	0.726	0.000	0.857	0.884	1.130	1.130	1.160	0.000	0.965	0.884	0.507	0.465	
21	0.674	0.000	0.857	0.857	1.100	1.160	1.220	0.000	0.965	0.911	0.507	0.444	
22	0.648	0.000	0.857	0.830	1.100	1.190	1.340	0.000	0.938	0.938	0.549	0.465	
23	0.804	0.000	0.884	0.830	1.073	1.130	1.250	0.000	0.938	0.911	0.507	0.444	
24	0.857	0.000	0.857	0.884	1.130	1.130	1.190	0.000	0.938	0.911	0.465	0.423	
25	0.000	0.000	0.830	0.938	1.190	1.100	1.160	0.000	0.938	0.884	0.486	0.423	
26	0.000	0.000	0.778	0.938	1.220	1.073	1.100	0.000	0.911	0.830	0.465	0.402	
27	0.000	0.549	0.700	0.884	1.190	1.046	1.073	0.000	0.938	0.674	0.465	0.423	
28	0.000	0.700	0.000	0.911	1.190	1.130	1.073	0.000	0.938	0.726	0.465	0.423	
29	0.000	0.992	0.000	1.100	1.160	1.220	1.073	0.000	0.938	0.884		0.444	
30	0.000	1.019	0.000	1.019	1.160	1.310	1.130	0.000	0.911	0.830		0.444	
31		1.019		1.073	1.190		1.130		0.911	0.726		0.423	
TOTAL	15.904	18.003	24.200	26.959	35.132	33.561	35.537	18.476	22.626	27.175	13.315	13.900	284.788 CMSDAY
MEAN	0.530	0.581	0.807	0.870	1.133	1.119	1.146	0.616	0.730	0.877	0.476	0.448	0.780 CMS
MAX	0.965	1.220	1.100	1.100	1.310	1.310	1.370	1.250	1.019	0.938	0.804	0.622	1.370 CMS
MIN	0.000	0.000	0.000	0.000	1.019	0.830	1.073	0.000	0.360	0.674	0.000	0.402	0.000 CMS
RUNOFF	1.374	1.555	2.091	2.329	3.035	2.900	3.070	1.596	1.955	2.348	1.150	1.201	24.606 MCM

MOMENTARY PEAK 1.46 CMS, AT 292.32 M (MSL), AT 9.00 HOURS, ON OCT 13, 1984
RUNOFF YIELD 0.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

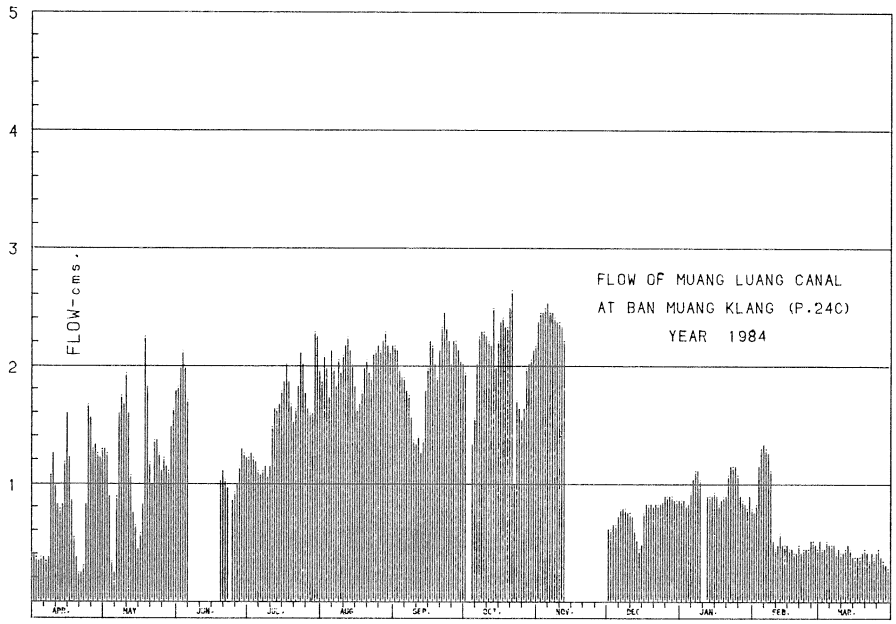
MUANG LUANG CANAL AT BAN MUANG KLANG, CHIANG MAI (P.24C)

LOCATION	LAT. 18-28-03 N., LONG. 98-39-41 E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG, CHAING MAI.
DRAINAGE AREA	CANAL
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+286.480 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF INSPECTOR'S HOUSE AT PLAK MUANG LUANG.
ELEVATION	+291.201 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.73	286.98	287.12	286.96	287.13	287.21	287.15	287.26	286.79	286.86	286.83	286.76	
2	286.72	286.97	287.16	286.97	287.19	287.20	286.39	287.28	286.79	286.86	286.85	286.74	
3	286.71	286.87	287.20	286.96	287.16	287.16	286.39	287.28	286.80	286.85	286.94	286.74	
4	286.72	286.71	287.16	286.95	287.10	287.14	286.99	287.29	286.80	286.85	286.98	286.76	
5	286.72	286.68	287.09	286.93	287.20	287.14	287.05	287.30	286.82	286.88	286.99	286.75	
6	286.71	286.87	286.39	286.92	287.16	287.11	287.17	287.28	286.84	286.91	286.98	286.75	
7	286.72	287.06	286.39	286.93	287.12	287.10	287.23	287.28	286.84	286.93	286.97	286.75	
8	286.92	287.10	286.39	286.94	287.18	287.05	287.24	287.27	286.84	286.93	286.93	286.73	
9	286.97	287.08	286.39	286.92	287.15	287.00	287.24	287.26	286.83	286.91	286.76	286.74	
10	286.90	287.15	286.39	286.94	287.19	286.99	287.23	287.26	286.83	286.39	286.74	286.73	
11	286.85	287.06	286.39	287.03	287.21	287.01	287.22	287.25	286.82	286.39	286.75	286.73	
12	286.84	286.92	286.39	287.07	287.23	286.97	287.21	287.22	286.79	286.87	286.78	286.74	
13	286.85	286.83	286.39	287.07	287.20	287.00	287.29	286.39	286.76	286.87	286.75	286.75	
14	286.95	286.80	286.39	287.08	287.17	287.11	287.16	286.39	286.74	286.87	286.75	286.74	
15	287.06	286.74	286.39	287.11	287.12	287.16	287.22	286.39	286.75	286.88	286.75	286.72	
16	286.96	286.78	286.39	287.13	287.07	287.22	287.26	286.39	286.83	286.87	286.74	286.72	
17	286.86	286.85	286.39	287.17	287.08	287.21	287.27	286.39	286.85	286.85	286.74	286.72	
18	286.77	287.23	286.39	287.13	287.11	287.17	287.25	286.39	286.85	286.86	286.73	286.72	
19	286.72	287.12	286.91	287.08	287.16	287.14	287.25	286.39	286.85	286.87	286.73	286.73	
20	286.68	286.95	286.93	287.04	287.18	287.20	287.29	286.39	286.85	286.87	286.75	286.74	
21	286.68	286.90	286.91	287.07	287.15	287.25	287.33	286.39	286.85	286.92	286.73	286.73	
22	286.70	287.00	286.89	287.12	287.14	287.28	286.90	286.39	286.85	286.94	286.74	286.71	
23	286.85	287.00	286.39	287.20	287.19	287.25	287.09	286.39	286.85	286.94	286.74	286.73	
24	287.08	286.97	286.86	287.17	287.20	287.22	287.07	286.39	286.86	286.94	286.74	286.72	
25	287.05	286.93	286.88	287.11	287.21	287.17	287.05	286.39	286.87	286.92	286.76	286.73	
26	286.98	286.96	286.90	287.07	287.20	287.22	287.07	286.39	286.87	286.87	286.76	286.74	
27	286.99	286.94	286.94	287.06	287.22	287.22	287.16	286.39	286.87	286.86	286.75	286.72	
28	286.97	286.93	286.98	287.06	287.24	287.20	287.17	286.39	286.87	286.85	286.74	286.71	
29	286.96	287.03	286.97	287.24	287.21	287.18	287.18	286.39	286.86	286.84		286.70	
30	286.98	287.07	286.96	287.23	287.20	287.17	287.20	286.39	286.86	286.87		286.69	
31		287.11		287.16	287.21		287.21		286.86	286.84		286.69	
MEAN	286.85	286.95	286.71	287.06	287.17	287.15	287.13	286.74	286.83	286.85	286.80	286.73	
MAX	287.08	287.23	287.20	287.24	287.24	287.28	287.33	287.30	286.87	286.94	286.99	286.76	287.33
MIN	286.68	286.68	286.39	286.92	287.07	286.97	286.39	286.39	286.74	286.39	286.73	286.69	286.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 287.35 M (MSL), AT 9.00 HOURS, ON OCT 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 286.48 M (MSL), RIVER BED 286.39 M (MSL)
LEFT BANK ELEVATION 288.24 M (MSL)
RIGHT BANK ELEVATION 288.31 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.412	1.296	1.826	1.222	1.864	2.170	1.940	2.370	0.616	0.860	0.755	0.514	
2	0.378	1.259	1.978	1.259	2.092	2.130	0.000	2.450	0.616	0.860	0.825	0.446	
3	0.344	0.895	2.130	1.222	1.978	1.978	0.000	2.450	0.650	0.825	1.148	0.446	
4	0.378	0.344	1.978	1.185	1.750	1.902	1.333	2.490	0.650	0.825	1.296	0.514	
5	0.378	0.248	1.712	1.111	2.130	1.902	1.560	2.530	0.720	0.930	1.333	0.480	
6	0.344	0.895	0.000	1.074	1.978	1.788	2.016	2.450	0.790	1.037	1.296	0.480	
7	0.378	1.598	0.000	1.111	1.826	1.750	2.250	2.450	0.790	1.111	1.259	0.480	
8	1.074	1.750	0.000	1.148	2.054	1.560	2.290	2.410	0.790	1.111	1.111	0.412	
9	1.259	1.674	0.000	1.074	1.940	1.370	2.290	2.370	0.755	1.037	0.514	0.446	
10	1.000	1.940	0.000	1.148	2.092	1.333	2.250	2.370	0.755	0.000	0.446	0.412	
11	0.825	1.598	0.000	1.484	2.170	1.408	2.210	2.330	0.720	0.000	0.480	0.412	
12	0.790	1.074	0.000	1.636	2.250	1.259	2.170	2.210	0.616	0.895	0.582	0.446	
13	0.825	0.755	0.000	1.636	2.130	1.370	2.490	0.000	0.514	0.895	0.480	0.480	
14	1.185	0.650	0.000	1.674	2.016	1.788	1.978	0.000	0.446	0.895	0.480	0.446	
15	1.598	0.446	0.000	1.788	1.826	1.978	2.210	0.000	0.480	0.930	0.480	0.378	
16	1.222	0.582	0.000	1.864	1.636	2.210	2.370	0.000	0.755	0.895	0.446	0.378	
17	0.860	0.825	0.000	2.016	1.674	2.170	2.410	0.000	0.825	0.825	0.446	0.378	
18	0.548	2.250	0.000	1.864	1.788	2.016	2.330	0.000	0.825	0.860	0.412	0.378	
19	0.378	1.826	1.037	1.674	1.978	1.902	2.330	0.000	0.825	0.895	0.412	0.412	
20	0.248	1.185	1.111	1.522	2.054	2.130	2.490	0.000	0.825	0.895	0.480	0.446	
21	0.248	1.000	1.037	1.636	1.940	2.330	2.641	0.000	0.825	1.074	0.412	0.412	
22	0.310	1.370	0.965	1.826	1.902	2.450	1.000	0.000	0.825	1.148	0.446	0.344	
23	0.825	1.370	0.000	2.130	2.092	2.330	1.712	0.000	0.825	1.148	0.446	0.412	
24	1.674	1.259	0.860	2.016	2.130	2.210	1.636	0.000	0.860	1.148	0.446	0.378	
25	1.560	1.111	0.930	1.788	2.170	2.016	1.560	0.000	0.895	1.074	0.514	0.412	
26	1.296	1.222	1.000	1.636	2.130	2.210	1.636	0.000	0.895	0.895	0.514	0.446	
27	1.333	1.148	1.148	1.598	2.210	2.210	1.978	0.000	0.895	0.860	0.480	0.378	
28	1.259	1.111	1.296	1.598	2.290	2.130	2.016	0.000	0.895	0.825	0.446	0.344	
29	1.222	1.484	1.259	2.290	2.170	2.054	2.054	0.000	0.860	0.790		0.310	
30	1.296	1.636	1.222	2.250	2.130	2.016	2.130	0.000	0.860	0.895		0.279	
31		1.788		1.978	2.170		2.170		0.860	0.790		0.279	
TOTAL	25.447	37.589	21.489	49.458	62.560	58.070	59.450	28.880	23.458	27.228	18.385	12.778	424.792 CMSDAY
MEAN	0.848	1.213	0.716	1.595	2.018	1.936	1.918	0.963	0.757	0.878	0.657	0.412	1.164 CMS
MAX	1.674	2.250	2.130	2.290	2.290	2.450	2.641	2.530	0.895	1.148	1.333	0.514	2.641 CMS
MIN	0.248	0.248	0.000	1.074	1.636	1.259	0.000	0.000	0.446	0.000	0.412	0.279	0.000 CMS
RUNOFF	2.199	3.248	1.857	4.273	5.405	5.017	5.136	2.495	2.027	2.352	1.588	1.104	36.702 MCM

MOMENTARY PEAK 2.72 CMS, AT 287.35 M (MSL), AT 9.00 HOURS, ON OCT 21, 1984

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

WATER YEAR 1984

PING RIVER BASIN

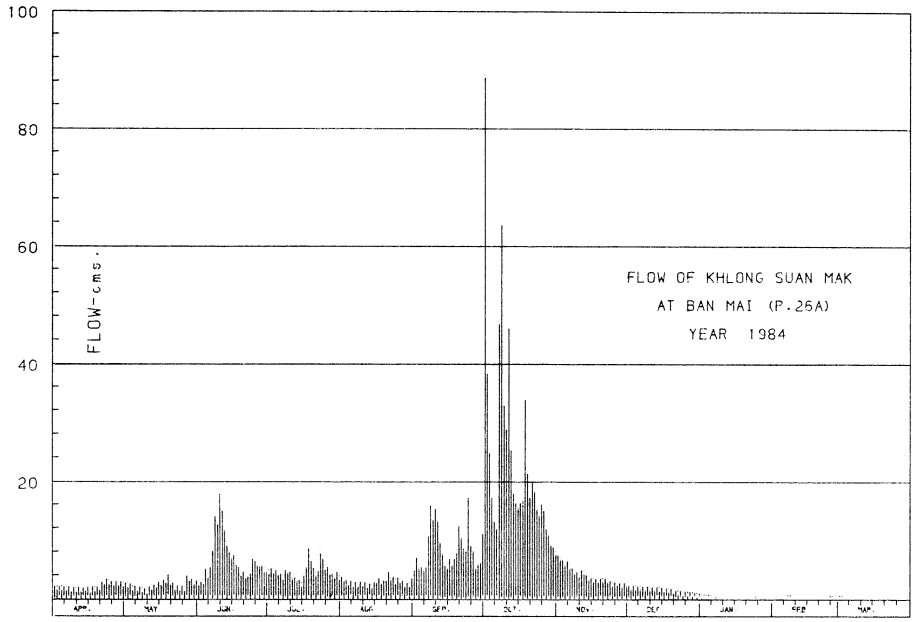
KHLONG SUAN MAK AT BAN MAI, KAMPHAENG PHET (P.26A)

LOCATION	LAT. 16-26-57 N., LONG. 99-26-27 E., ON RIGHT BANK ABOUT 515 METERS DOWNSTREAM FROM THA KRADAN WEIR AT BAN MAI, TAMBON NA BO KHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	969 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING
ELEVATION	+6.144 M. (A.D.)
GAGE READING FREQUENCY	RECORDING
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THA KRADAN WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.03	0.02	0.05	0.17	0.10	0.20	1.68	0.30	-0.02	-0.17	-0.26	-0.22	
2	-0.03	0.02	0.03	0.19	0.10	0.28	1.13	0.29	-0.02	-0.18	-0.25	-0.23	
3	-0.03	0.01	0.07	0.18	0.06	0.22	0.87	0.26	-0.02	-0.19	-0.24	-0.24	
4	-0.03	-0.02	0.18	0.17	0.05	0.20	0.65	0.24	-0.02	-0.19	-0.23	-0.27	
5	-0.04	-0.03	0.14	0.17	0.05	0.21	0.54	0.25	-0.03	-0.20	-0.22	-0.28	
6	-0.04	-0.04	0.20	0.13	0.03	0.20	0.48	0.22	-0.03	-0.20	-0.20	-0.37	
7	-0.04	-0.04	0.36	0.12	0.03	0.46	1.26	0.19	-0.03	-0.29	-0.20	-0.40	
8	-0.05	-0.05	0.55	0.17	0.03	0.61	1.45	0.17	-0.03	-0.30	-0.21	-0.40	
9	-0.05	-0.07	0.53	0.19	0.04	0.55	1.04	0.15	-0.03	-0.30	-0.23	-0.42	
10	-0.05	-0.07	0.67	0.15	0.04	0.59	0.95	0.14	-0.03	-0.30	-0.26	-0.43	
11	-0.05	-0.04	0.60	0.12	0.03	0.54	1.25	0.17	-0.04	-0.30	-0.29	-0.43	
12	-0.05	-0.01	0.47	0.09	0.01	0.39	0.87	0.17	-0.04	-0.31	-0.35	-0.43	
13	-0.06	-0.01	0.40	0.10	0.01	0.33	0.69	0.12	-0.04	-0.31	-0.37	-0.43	
14	-0.04	0.02	0.32	0.06	0.01	0.21	0.62	0.11	-0.04	-0.31	-0.40	-0.43	
15	-0.04	0.03	0.31	0.03	0.03	0.23	0.61	0.09	-0.05	-0.31	-0.42	-0.43	
16	-0.06	0.05	0.30	0.11	0.08	0.27	0.62	0.08	-0.05	-0.31	-0.40	-0.43	
17	-0.04	0.06	0.25	0.23	0.08	0.25	0.65	0.08	-0.06	-0.31	-0.39	-0.43	
18	-0.04	0.08	0.20	0.35	0.07	0.27	1.05	0.08	-0.06	-0.31	-0.37	-0.42	
19	-0.04	0.12	0.15	0.29	0.05	0.34	0.78	0.08	-0.07	-0.31	-0.38	-0.41	
20	-0.01	0.05	0.15	0.19	0.10	0.50	0.65	0.08	-0.08	-0.31	-0.38	-0.40	
21	0.03	0.02	0.13	0.15	0.15	0.44	0.74	0.08	-0.10	-0.31	-0.37	-0.42	
22	0.06	-0.01	0.10	0.16	0.09	0.35	0.68	0.08	-0.10	-0.32	-0.38	-0.43	
23	0.07	-0.02	0.17	0.34	0.10	0.36	0.60	0.05	-0.11	-0.32	-0.38	-0.43	
24	0.06	-0.02	0.27	0.27	0.07	0.65	0.55	0.03	-0.12	-0.26	-0.37	-0.43	
25	0.04	-0.03	0.29	0.21	0.09	0.39	0.63	0.03	-0.12	-0.26	-0.22	-0.43	
26	0.04	-0.03	0.21	0.20	0.08	0.33	0.58	0.03	-0.13	-0.27	-0.24	-0.43	
27	0.04	0.11	0.24	0.17	0.05	0.21	0.50	0.02	-0.13	-0.28	-0.26	-0.43	
28	0.04	0.11	0.21	0.13	0.03	0.22	0.44	0.02	-0.14	-0.28	-0.29	-0.43	
29	0.04	0.07	0.19	0.13	0.02	0.27	0.40	0.02	-0.15	-0.28		-0.43	
30	0.03	0.06	0.15	0.15	0.02	0.45	0.36	0.02	-0.16	-0.28		-0.43	
31		0.05		0.11	0.08		0.33		-0.17	-0.28		-0.39	
MEAN	-0.01	0.01	0.26	0.17	0.06	0.35	0.76	0.12	-0.07	-0.28	-0.31	-0.39	
MAX	0.07	0.12	0.67	0.35	0.15	0.65	1.68	0.30	-0.02	-0.17	-0.20	-0.22	1.68
MIN	-0.06	-0.07	0.03	0.03	0.01	0.20	0.33	0.02	-0.17	-0.32	-0.42	-0.43	-0.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.85 M (A.D), AT 24.00 HOURS, ON OCT 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.65 M (A.D)
LEFT BANK ELEVATION 5.68 M (A.D)
RIGHT BANK ELEVATION 6.33 M (A.D), DRAINAGE AREA 969 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.22	2.79	3.19	5.01	3.85	5.50	89.10	7.50	2.32	1.01	0.52	0.70	
2	2.22	2.79	2.92	5.34	3.85	7.10	38.39	7.30	2.32	0.94	0.57	0.66	
3	2.22	2.65	3.45	5.17	3.32	5.90	25.30	6.70	2.32	0.86	0.61	0.61	
4	2.22	2.32	5.17	5.01	3.19	5.50	17.30	6.30	2.32	0.86	0.66	0.48	
5	2.12	2.22	4.51	5.01	3.19	5.70	13.78	6.50	2.22	0.79	0.70	0.43	
6	2.12	2.12	5.50	4.34	2.92	5.50	11.96	5.90	2.22	0.79	0.79	0.15	
7	2.12	2.12	8.88	4.18	2.92	11.42	47.24	5.34	2.22	0.39	0.79	0.07	
8	2.02	2.02	14.10	5.01	2.92	16.02	63.65	5.01	2.22	0.34	0.75	0.07	
9	2.02	1.82	13.46	5.34	3.05	14.10	33.38	4.68	2.22	0.34	0.66	0.06	
10	2.02	1.82	17.94	4.68	3.05	15.38	28.90	4.51	2.22	0.34	0.52	0.05	
11	2.02	2.12	15.70	4.18	2.92	13.78	46.50	5.01	2.12	0.34	0.39	0.05	
12	2.02	2.42	11.69	3.72	2.65	9.57	25.30	5.01	2.12	0.31	0.21	0.05	
13	1.92	2.42	9.80	3.85	2.65	8.19	18.58	4.18	2.12	0.31	0.15	0.05	
14	2.12	2.79	7.96	3.32	2.65	5.70	16.34	4.01	2.12	0.31	0.07	0.05	
15	2.12	2.92	7.73	2.92	2.92	6.10	16.02	3.72	2.02	0.31	0.06	0.05	
16	1.92	3.19	7.50	4.01	3.58	6.90	16.34	3.58	2.02	0.31	0.07	0.05	
17	2.12	3.32	6.50	6.10	3.58	6.50	17.30	3.58	1.92	0.31	0.10	0.05	
18	2.12	3.58	5.50	8.65	3.45	6.90	33.90	3.58	1.92	0.31	0.15	0.06	
19	2.12	4.18	4.68	7.30	3.19	8.42	21.78	3.58	1.82	0.31	0.12	0.06	
20	2.42	3.19	4.68	5.34	3.85	12.50	17.30	3.58	1.72	0.31	0.12	0.07	
21	2.92	2.79	4.34	4.68	4.68	10.88	20.34	3.58	1.52	0.31	0.15	0.06	
22	3.32	2.42	3.85	4.84	3.72	8.65	18.26	3.58	1.52	0.29	0.12	0.05	
23	3.45	2.32	5.01	8.42	3.85	8.88	15.70	3.19	1.45	0.29	0.12	0.05	
24	3.32	2.32	6.90	6.90	3.45	17.30	14.10	2.92	1.37	0.52	0.15	0.05	
25	3.05	2.22	7.30	5.70	3.72	9.57	16.66	2.92	1.37	0.52	0.70	0.05	
26	3.05	2.22	5.70	5.50	3.58	8.19	15.06	2.92	1.30	0.48	0.61	0.05	
27	3.05	4.01	6.30	5.01	3.19	5.70	12.50	2.79	1.30	0.43	0.52	0.05	
28	3.05	4.01	5.70	4.34	2.92	5.90	10.88	2.79	1.23	0.43	0.39	0.05	
29	3.05	3.45	5.34	4.34	2.79	6.90	9.80	2.79	1.15	0.43		0.05	
30	2.92	3.32	4.68	4.68	2.79	11.15	8.88	2.79	1.08	0.43		0.05	
31		3.19		4.01	3.58		8.19		1.01	0.43		0.10	
TOTAL	73.38	85.07	215.98	156.90	101.97	269.80	748.73	129.84	56.80	14.35	10.77	4.43	1868.02 CMSDAY
MEAN	2.45	2.74	7.20	5.06	3.29	8.99	24.15	4.33	1.83	0.46	0.38	0.14	5.12 CMS
MAX	3.45	4.18	17.94	8.65	4.68	17.30	89.10	7.50	2.32	1.01	0.79	0.70	89.10 CMS
MIN	1.92	1.82	2.92	2.92	2.65	5.50	8.19	2.79	1.01	0.29	0.06	0.05	0.05 CMS
RUNOFF	6.340	7.350	18.661	13.556	8.810	23.311	64.690	11.218	4.908	1.240	0.931	0.383	161.397 MCM

MOMENTARY PEAK 111.50 CMS, AT 1.85 M (A.D), AT 24.00 HOURS, ON OCT 7, 1984

RUNOFF YIELD 5.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 115.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

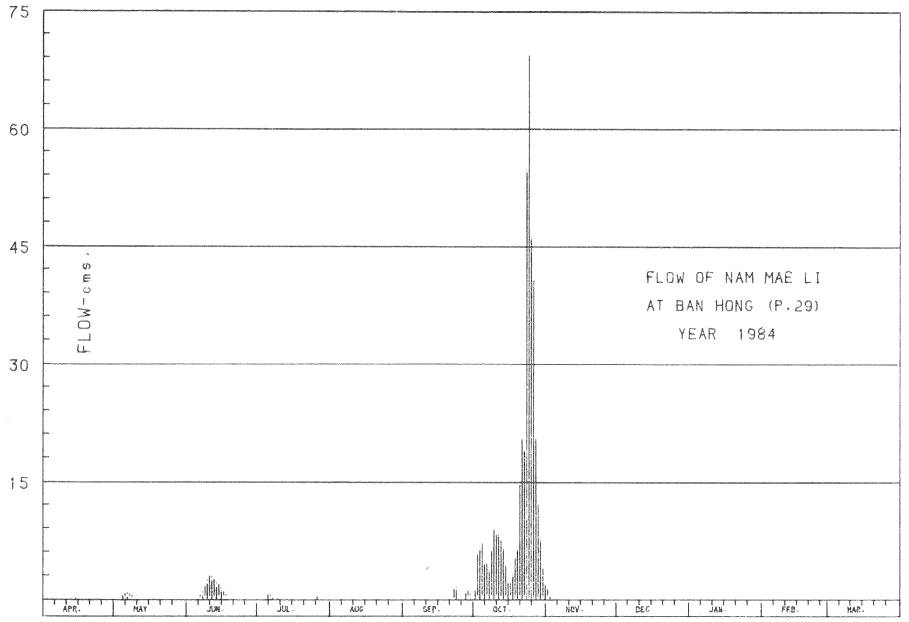
NAM MAE LI AT BAN HONG, LAMPHUN (P.29)

LOCATION	LAT. 18-18-35 N., LONG. 98-49-35 E., ON LEFT BANK ABOUT 10 METERS UPSTREAM FROM KAEO SONTHI BRIDGE, AMPHOE BAN HONG, LAMPHUN.
DRAINAGE AREA	1,970 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 3 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.420 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.26	0.26	0.25	0.23	0.20	0.67	0.61	0.28	0.27	0.13	-0.20	
2	0.26	0.27	0.26	0.25	0.24	0.21	0.97	0.53	0.28	0.26	0.14	-0.20	
3	0.26	0.28	0.26	0.32	0.24	0.21	1.01	0.43	0.28	0.26	0.15	-0.20	
4	0.26	0.47	0.26	0.38	0.23	0.22	1.02	0.42	0.28	0.27	0.15	-0.20	
5	0.25	0.49	0.32	0.55	0.23	0.23	0.94	0.43	0.27	0.27	0.14	-0.20	
6	0.25	0.51	0.45	0.47	0.23	0.23	0.92	0.44	0.27	0.26	0.14	-0.20	
7	0.25	0.48	0.55	0.28	0.23	0.24	0.90	0.42	0.28	0.26	0.13	-0.20	
8	0.24	0.44	0.67	0.27	0.23	0.25	0.99	0.40	0.29	0.26	0.10	-0.20	
9	0.24	0.42	0.79	0.26	0.22	0.24	1.08	0.39	0.29	0.27	0.08	-0.20	
10	0.24	0.43	0.83	0.25	0.22	0.24	1.05	0.37	0.30	0.26	0.04	-0.20	
11	0.24	0.41	0.82	0.24	0.22	0.25	1.06	0.37	0.30	0.25	0.05	-0.20	
12	0.25	0.38	0.80	0.23	0.23	0.25	1.03	0.36	0.30	0.25	0.05	-0.20	
13	0.26	0.36	0.74	0.23	0.23	0.25	1.01	0.35	0.30	0.24	0.11	-0.20	
14	0.41	0.35	0.71	0.23	0.23	0.25	0.91	0.36	0.30	0.24	0.19	-0.20	
15	0.38	0.33	0.64	0.24	0.23	0.25	0.80	0.37	0.31	0.24	0.12	-0.20	
16	0.36	0.32	0.55	0.24	0.23	0.24	0.73	0.36	0.31	0.23	0.10	-0.20	
17	0.34	0.31	0.46	0.24	0.22	0.24	0.86	0.35	0.31	0.22	0.09	-0.20	
18	0.30	0.30	0.38	0.23	0.22	0.25	0.95	0.34	0.30	0.21	0.07	-0.20	
19	0.29	0.30	0.33	0.23	0.22	0.25	1.01	0.34	0.30	0.20	0.05	-0.20	
20	0.28	0.29	0.34	0.23	0.21	0.25	1.19	0.33	0.31	0.20	0.05	-0.20	
21	0.27	0.29	0.34	0.24	0.20	0.25	1.29	0.32	0.31	0.19	0.03	-0.20	
22	0.28	0.29	0.33	0.24	0.19	0.61	1.26	0.31	0.30	0.19	0.01	-0.20	
23	0.28	0.28	0.32	0.23	0.18	0.66	1.64	0.30	0.30	0.20	0.00	-0.20	
24	0.29	0.28	0.30	0.23	0.18	0.37	1.75	0.32	0.31	0.19	-0.04	-0.20	
25	0.30	0.28	0.28	0.23	0.18	0.35	1.57	0.32	0.32	0.19	-0.11	-0.20	
26	0.31	0.27	0.28	0.22	0.18	0.36	1.52	0.40	0.29	0.18	-0.16	-0.20	
27	0.31	0.26	0.27	0.23	0.19	0.59	1.29	0.35	0.29	0.18	-0.17	-0.20	
28	0.30	0.27	0.28	0.23	0.19	0.57	1.14	0.33	0.29	0.17	-0.17	-0.20	
29	0.28	0.28	0.27	0.23	0.20	0.48	1.04	0.31	0.30	0.15		-0.20	
30	0.25	0.27	0.26	0.23	0.20	0.43	0.89	0.29	0.30	0.14		-0.20	
31		0.26		0.24	0.21		0.76		0.28	0.12		-0.20	
MEAN	0.28	0.34	0.45	0.26	0.21	0.31	1.07	0.37	0.30	0.22	0.05	-0.20	
MAX	0.41	0.51	0.83	0.55	0.24	0.66	1.75	0.61	0.32	0.27	0.19	-0.20	1.75
MIN	0.24	0.26	0.26	0.22	0.18	0.20	0.67	0.29	0.27	0.12	-0.17	-0.20	-0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.78 M (A.D), AT 15.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), **RIVER BED** -0.61 M (A.D)
LEFT BANK ELEVATION 5.06 M (A.D)
RIGHT BANK ELEVATION 4.96 M (A.D), **DRAINAGE AREA** 1970 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.12	0.12	0.10	0.08	0.04	1.66	1.28	0.14	0.13	0.01	0.00	
2	0.12	0.13	0.12	0.10	0.09	0.05	5.71	0.89	0.14	0.12	0.02	0.00	
3	0.12	0.14	0.12	0.20	0.09	0.05	6.77	0.46	0.14	0.12	0.02	0.00	
4	0.12	0.63	0.12	0.31	0.08	0.07	7.14	0.42	0.14	0.13	0.02	0.00	
5	0.10	0.71	0.20	0.99	0.08	0.08	5.02	0.46	0.13	0.13	0.02	0.00	
6	0.10	0.80	0.54	0.63	0.08	0.08	4.56	0.50	0.13	0.12	0.02	0.00	
7	0.10	0.67	0.99	0.14	0.08	0.09	4.10	0.42	0.14	0.12	0.01	0.00	
8	0.09	0.50	1.66	0.13	0.08	0.10	6.17	0.34	0.16	0.12	0.00	0.00	
9	0.09	0.42	2.48	0.12	0.07	0.09	9.36	0.32	0.16	0.13	0.00	0.00	
10	0.09	0.46	3.01	0.10	0.07	0.09	8.25	0.29	0.17	0.12	0.00	0.00	
11	0.09	0.38	2.86	0.09	0.07	0.10	8.62	0.29	0.17	0.10	0.00	0.00	
12	0.10	0.31	2.55	0.08	0.08	0.10	7.51	0.27	0.17	0.10	0.00	0.00	
13	0.12	0.27	2.13	0.08	0.08	0.10	6.77	0.26	0.17	0.09	0.00	0.00	
14	0.38	0.26	1.92	0.08	0.08	0.10	4.33	0.27	0.17	0.09	0.04	0.00	
15	0.31	0.22	1.47	0.09	0.08	0.10	2.55	0.29	0.19	0.09	0.01	0.00	
16	0.27	0.20	0.99	0.09	0.08	0.09	2.06	0.27	0.19	0.08	0.00	0.00	
17	0.24	0.19	0.59	0.09	0.07	0.09	3.48	0.26	0.19	0.07	0.00	0.00	
18	0.17	0.17	0.31	0.08	0.07	0.10	5.25	0.24	0.17	0.05	0.00	0.00	
19	0.16	0.17	0.22	0.08	0.07	0.10	6.77	0.24	0.17	0.04	0.00	0.00	
20	0.14	0.16	0.24	0.08	0.05	0.10	14.60	0.22	0.19	0.04	0.00	0.00	
21	0.13	0.16	0.24	0.09	0.04	0.10	20.77	0.20	0.19	0.04	0.00	0.00	
22	0.14	0.16	0.22	0.09	0.04	1.28	18.88	0.19	0.17	0.04	0.00	0.00	
23	0.14	0.14	0.20	0.08	0.03	1.60	54.72	0.17	0.17	0.04	0.00	0.00	
24	0.16	0.14	0.17	0.08	0.03	0.29	69.35	0.20	0.19	0.04	0.00	0.00	
25	0.17	0.14	0.14	0.08	0.03	0.26	46.24	0.20	0.20	0.04	0.00	0.00	
26	0.19	0.13	0.14	0.07	0.03	0.27	40.64	0.34	0.16	0.03	0.00	0.00	
27	0.19	0.12	0.13	0.08	0.04	1.17	20.77	0.26	0.16	0.03	0.00	0.00	
28	0.17	0.13	0.14	0.08	0.04	1.08	12.10	0.22	0.16	0.03	0.00	0.00	
29	0.14	0.14	0.13	0.08	0.04	0.67	7.88	0.19	0.17	0.02		0.00	
30	0.10	0.13	0.12	0.08	0.04	0.46	3.95	0.16	0.17	0.02		0.00	
31		0.12		0.09	0.05		2.27		0.14	0.01		0.00	
TOTAL	4.56	8.42	24.27	4.56	1.94	8.90	418.25	10.12	5.11	2.33	0.17	0.00	488.63 CMSDAY
MEAN	0.15	0.27	0.81	0.15	0.06	0.30	13.49	0.34	0.16	0.08	0.01	0.00	1.34 CMS
MAX	0.38	0.80	3.01	0.99	0.09	1.60	69.35	1.28	0.20	0.13	0.04	0.00	69.35 CMS
MIN	0.09	0.12	0.12	0.07	0.03	0.04	1.66	0.16	0.13	0.01	0.00	0.00	0.00 CMS
RUNOFF	0.394	0.727	2.097	0.394	0.168	0.769	36.137	0.874	0.442	0.201	0.015	0.000	42.218 MCM

MOMENTARY PEAK 73.52 CMS, AT 1.78 M (A.D), AT 15.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 0.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 37.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

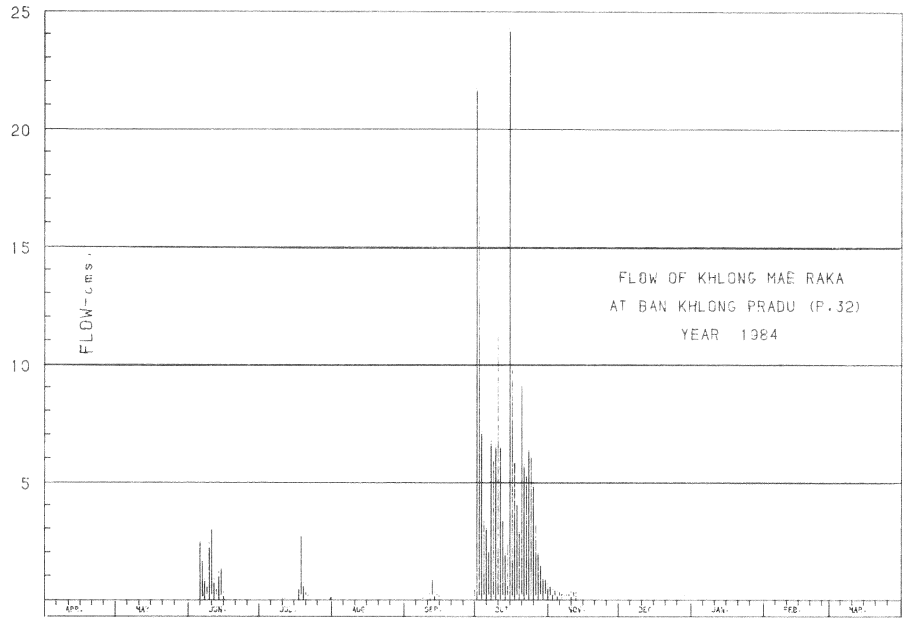
HUAI MAE RAKA AT BAN KHLONG PRADU, TAK (P.32)

LOCATION	LAT. 16-55-27 N., LONG. 99-18-09 E., ON RIGHT BANK AT BAN KHLONG PRADU, AMPHOE MUANG, TAK.
DRAINAGE AREA	342 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+3.516 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.15	0.13	0.02	1.74	0.30	0.11	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.15	0.13	0.02	1.49	0.27	0.11	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.14	0.14	0.10	0.99	0.25	0.11	0.00	0.00	0.00	
4	0.00	0.00	0.05	0.14	0.13	0.10	0.69	0.25	0.10	0.00	0.00	0.00	
5	0.00	0.00	0.60	0.14	0.12	0.11	0.67	0.23	0.09	0.00	0.00	0.00	
6	0.00	0.00	0.49	0.15	0.11	0.13	0.54	0.21	0.09	0.00	0.00	0.00	
7	0.00	0.00	0.37	0.15	0.10	0.11	0.96	0.20	0.09	0.00	0.00	0.00	
8	0.00	0.00	0.30	0.14	0.09	0.14	0.90	0.20	0.08	0.00	0.00	0.00	
9	0.00	0.00	0.59	0.13	0.09	0.15	0.95	0.21	0.08	0.00	0.00	0.00	
10	0.00	0.00	0.65	0.14	0.08	0.18	1.23	0.24	0.08	0.00	0.00	0.00	
11	0.00	0.00	0.37	0.14	0.08	0.22	0.95	0.23	0.08	0.00	0.00	0.00	
12	0.00	0.00	0.27	0.15	0.08	0.36	0.69	0.23	0.07	0.00	0.00	0.00	
13	0.00	0.00	0.42	0.15	0.09	0.24	0.55	0.19	0.07	0.00	0.00	0.00	
14	0.00	0.00	0.44	0.15	0.10	0.21	0.58	0.17	0.07	0.00	0.00	0.00	
15	0.00	0.00	0.24	0.15	0.14	0.18	1.85	0.17	0.07	0.00	0.00	0.00	
16	0.00	0.00	0.19	0.16	0.14	0.17	1.15	0.17	0.06	0.00	0.00	0.00	
17	0.00	0.00	0.18	0.31	0.14	0.16	0.90	0.17	0.05	0.00	0.00	0.00	
18	0.00	0.00	0.17	0.62	0.13	0.15	0.75	0.17	0.05	0.00	0.00	0.00	
19	0.00	0.00	0.16	0.34	0.13	0.15	0.65	0.17	0.05	0.00	0.00	0.00	
20	0.00	0.00	0.16	0.23	0.12	0.16	1.11	0.15	0.05	0.00	0.00	0.00	
21	0.00	0.00	0.16	0.20	0.10	0.15	0.89	0.14	0.05	0.00	0.00	0.00	
22	0.00	0.00	0.16	0.20	0.10	0.15	0.85	0.13	0.05	0.00	0.00	0.00	
23	0.00	0.00	0.16	0.19	0.09	0.15	0.94	0.13	0.02	0.00	0.00	0.00	
24	0.00	0.00	0.16	0.18	0.10	0.14	0.91	0.13	0.01	0.00	0.00	0.00	
25	0.00	0.00	0.15	0.16	0.11	0.12	0.83	0.13	0.01	0.00	0.00	0.00	
26	0.00	0.00	0.15	0.15	0.11	0.12	0.67	0.13	0.01	0.00	0.00	0.00	
27	0.00	0.00	0.15	0.14	0.10	0.12	0.55	0.12	0.01	0.00	0.00	0.00	
28	0.00	0.00	0.15	0.14	0.07	0.14	0.46	0.11	0.01	0.00	0.00	0.00	
29	0.00	0.00	0.15	0.14	0.04	0.15	0.40	0.11	0.01	0.00		0.00	
30	0.00	0.00	0.15	0.14	0.03	0.26	0.36	0.11	0.01	0.00		0.00	
31		0.00		0.14	0.02		0.33		0.01	0.00		0.00	
MEAN	0.00	0.00	0.24	0.18	0.10	0.15	0.86	0.18	0.06	0.00	0.00	0.00	
MAX	0.00	0.00	0.65	0.62	0.14	0.36	1.85	0.30	0.11	0.00	0.00	0.00	1.85
MIN	0.00	0.00	0.00	0.13	0.02	0.02	0.33	0.11	0.01	0.00	0.00	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.23 M (A.D), AT 19.00 HOURS, ON OCT 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 3.28 M (A.D)
RIGHT BANK ELEVATION 3.46 M (A.D), DRAINAGE AREA 342 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.000	0.100	0.060	0.000	21.750	0.550	0.020	0.000	0.000	0.000	
2	0.000	0.000	0.000	0.100	0.060	0.000	16.300	0.445	0.020	0.000	0.000	0.000	
3	0.000	0.000	0.000	0.080	0.080	0.000	7.160	0.375	0.020	0.000	0.000	0.000	
4	0.000	0.000	0.000	0.080	0.060	0.000	3.355	0.375	0.000	0.000	0.000	0.000	
5	0.000	0.000	2.500	0.080	0.040	0.020	3.165	0.305	0.000	0.000	0.000	0.000	
6	0.000	0.000	1.635	0.100	0.020	0.060	2.020	0.235	0.000	0.000	0.000	0.000	
7	0.000	0.000	0.900	0.100	0.000	0.020	6.740	0.200	0.000	0.000	0.000	0.000	
8	0.000	0.000	0.550	0.080	0.000	0.080	5.900	0.200	0.000	0.000	0.000	0.000	
9	0.000	0.000	2.420	0.060	0.000	0.100	6.600	0.235	0.000	0.000	0.000	0.000	
10	0.000	0.000	2.975	0.080	0.000	0.160	11.205	0.340	0.000	0.000	0.000	0.000	
11	0.000	0.000	0.900	0.080	0.000	0.270	6.600	0.305	0.000	0.000	0.000	0.000	
12	0.000	0.000	0.445	0.100	0.000	0.850	3.355	0.305	0.000	0.000	0.000	0.000	
13	0.000	0.000	1.180	0.100	0.000	0.340	2.100	0.180	0.000	0.000	0.000	0.000	
14	0.000	0.000	1.310	0.100	0.000	0.235	2.340	0.140	0.000	0.000	0.000	0.000	
15	0.000	0.000	0.340	0.100	0.080	0.160	24.275	0.140	0.000	0.000	0.000	0.000	
16	0.000	0.000	0.180	0.120	0.080	0.140	9.775	0.140	0.000	0.000	0.000	0.000	
17	0.000	0.000	0.160	0.600	0.080	0.120	5.900	0.140	0.000	0.000	0.000	0.000	
18	0.000	0.000	0.140	2.690	0.060	0.100	4.025	0.140	0.000	0.000	0.000	0.000	
19	0.000	0.000	0.120	0.750	0.060	0.100	2.975	0.140	0.000	0.000	0.000	0.000	
20	0.000	0.000	0.120	0.305	0.040	0.120	9.075	0.100	0.000	0.000	0.000	0.000	
21	0.000	0.000	0.120	0.200	0.000	0.100	5.770	0.080	0.000	0.000	0.000	0.000	
22	0.000	0.000	0.120	0.200	0.000	0.100	5.250	0.060	0.000	0.000	0.000	0.000	
23	0.000	0.000	0.120	0.180	0.000	0.100	6.460	0.060	0.000	0.000	0.000	0.000	
24	0.000	0.000	0.120	0.160	0.000	0.080	6.040	0.060	0.000	0.000	0.000	0.000	
25	0.000	0.000	0.100	0.120	0.020	0.040	4.990	0.060	0.000	0.000	0.000	0.000	
26	0.000	0.000	0.100	0.100	0.020	0.040	3.165	0.060	0.000	0.000	0.000	0.000	
27	0.000	0.000	0.100	0.080	0.000	0.040	2.100	0.040	0.000	0.000	0.000	0.000	
28	0.000	0.000	0.100	0.080	0.000	0.080	1.440	0.020	0.000	0.000	0.000	0.000	
29	0.000	0.000	0.100	0.080	0.000	0.100	1.050	0.020	0.000	0.000		0.000	
30	0.000	0.000	0.100	0.080	0.000	0.410	0.850	0.020	0.000	0.000		0.000	
31		0.000		0.080	0.000		0.700		0.000	0.000		0.000	
TOTAL	0.000	0.000	16.955	7.165	0.760	3.965	192.430	5.470	0.060	0.000	0.000	0.000	226.805 CMSDAY
MEAN	0.000	0.000	0.565	0.231	0.025	0.132	6.207	0.182	0.002	0.000	0.000	0.000	0.621 CMS
MAX	0.000	0.000	2.975	2.690	0.080	0.850	24.275	0.550	0.020	0.000	0.000	0.000	24.275 CMS
MIN	0.000	0.000	0.000	0.060	0.000	0.000	0.700	0.020	0.000	0.000	0.000	0.000	0.000 CMS
RUNOFF	0.000	0.000	1.465	0.619	0.066	0.343	16.626	0.473	0.005	0.000	0.000	0.000	19.596 MCM

MOMENTARY PEAK 33.37 CMS, AT 2.23 M (A.D), AT 19.00 HOURS, ON OCT 1, 1984

RUNOFF YIELD 1.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 97.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

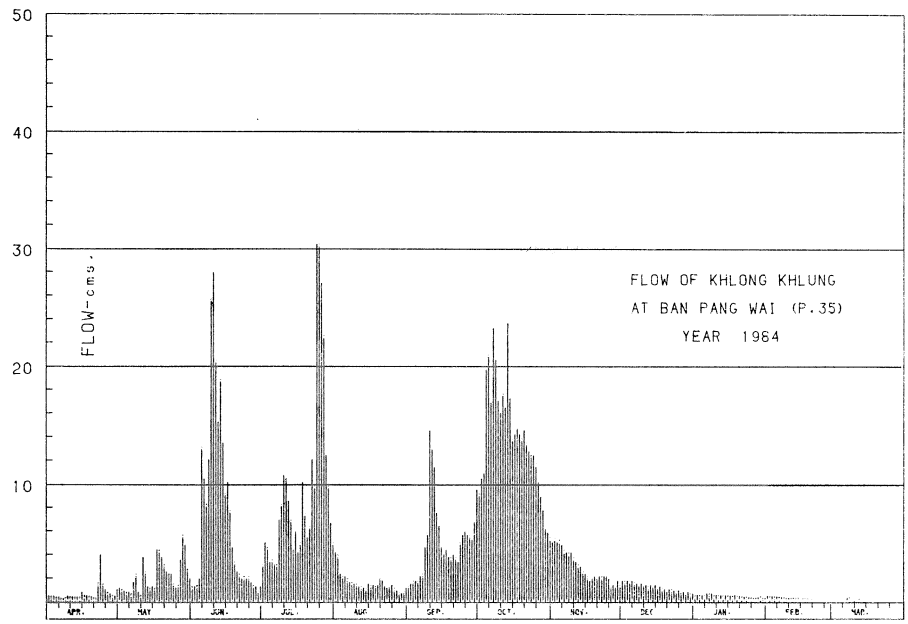
KHLONG KHLUNG AT BAN PANG WAI, KAMPHAENG PHET (P.35)

LOCATION	LAT. 16-04-22 N., LONG. 99-24-18 E., ON RIGHT BANK AT BAN PANG WAI ABOUT 1.5 KILOMETERS FROM KHAO SONG PHI NONG, AMPHOE KHLONG KHLUNG, KAMPHAENG PHET.
DRAINAGE AREA	730 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF STATION OFFICE.
ELEVATION	B.M.1=+4.502 M. (A.D.), B.M.2=4.472 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00 - 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 82 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.55	0.56	0.67	0.72	0.58	0.92	0.76	0.60	0.50	0.48	0.38	
2	0.48	0.54	0.56	0.76	0.71	0.58	0.96	0.78	0.60	0.50	0.47	0.38	
3	0.48	0.53	0.57	0.74	0.63	0.60	0.98	0.76	0.60	0.50	0.47	0.38	
4	0.46	0.52	0.61	0.68	0.62	0.60	1.21	0.77	0.60	0.49	0.47	0.38	
5	0.46	0.52	1.04	0.69	0.62	0.60	1.24	0.75	0.60	0.50	0.47	0.37	
6	0.44	0.51	0.96	0.67	0.61	0.62	1.14	0.73	0.59	0.51	0.46	0.37	
7	0.43	0.59	0.89	0.67	0.59	0.63	1.30	0.72	0.58	0.51	0.45	0.44	
8	0.45	0.63	1.01	0.84	0.59	0.74	1.23	0.72	0.58	0.51	0.45	0.45	
9	0.48	0.52	1.35	0.89	0.58	0.80	1.15	0.72	0.58	0.50	0.44	0.40	
10	0.47	0.50	1.40	0.97	0.58	1.08	1.12	0.70	0.58	0.50	0.43	0.45	
11	0.47	0.70	1.23	0.96	0.56	1.04	1.16	0.68	0.57	0.49	0.44	0.43	
12	0.46	0.64	1.10	0.90	0.56	0.99	1.13	0.67	0.56	0.49	0.44	0.42	
13	0.46	0.56	1.19	0.84	0.55	0.87	1.31	0.66	0.57	0.49	0.44	0.41	
14	0.46	0.55	1.05	0.73	0.55	0.82	1.15	0.64	0.57	0.49	0.44	0.42	
15	0.52	0.56	0.92	0.81	0.58	0.75	1.06	0.63	0.57	0.49	0.43	0.41	
16	0.50	0.55	0.95	0.72	0.57	0.71	1.07	0.62	0.56	0.48	0.43	0.41	
17	0.49	0.73	0.87	0.76	0.57	0.74	1.09	0.60	0.56	0.48	0.43	0.40	
18	0.48	0.73	0.74	0.95	0.58	0.70	1.07	0.62	0.55	0.49	0.43	0.37	
19	0.47	0.70	0.68	0.86	0.57	0.70	1.06	0.62	0.54	0.48	0.42	0.38	
20	0.45	0.67	0.64	0.78	0.62	0.71	1.08	0.62	0.54	0.48	0.41	0.38	
21	0.44	0.64	0.63	0.82	0.60	0.70	1.05	0.62	0.54	0.47	0.40	0.37	
22	0.59	0.63	0.61	1.01	0.58	0.68	1.03	0.62	0.54	0.46	0.39	0.37	
23	0.71	0.63	0.62	0.94	0.55	0.76	1.02	0.62	0.53	0.46	0.38	0.37	
24	0.58	0.58	0.61	1.45	0.57	0.79	1.02	0.63	0.53	0.45	0.37	0.37	
25	0.54	0.55	0.62	1.45	0.57	0.81	1.00	0.61	0.53	0.45	0.37	0.37	
26	0.52	0.57	0.59	1.38	0.55	0.79	0.95	0.57	0.53	0.44	0.38	0.37	
27	0.51	0.69	0.57	1.28	0.53	0.79	0.92	0.57	0.52	0.44	0.38	0.37	
28	0.50	0.79	0.56	1.02	0.52	0.77	0.87	0.57	0.52	0.45	0.37	0.36	
29	0.48	0.75	0.53	0.94	0.51	0.84	0.82	0.60	0.52	0.47		0.36	
30	0.54	0.65	0.56	0.83	0.53	0.93	0.80	0.57	0.51	0.44		0.35	
31		0.61		0.76	0.55		0.78		0.51	0.43		0.35	
MEAN	0.49	0.61	0.81	0.90	0.58	0.76	1.05	0.66	0.56	0.48	0.43	0.39	
MAX	0.71	0.79	1.40	1.45	0.72	1.08	1.31	0.78	0.60	0.51	0.48	0.45	1.45
MIN	0.43	0.50	0.53	0.67	0.51	0.58	0.78	0.57	0.51	0.43	0.37	0.35	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.50 M (A.D), AT 18.00 HOURS, ON JUL 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), **RIVER BED** 0.38 M (A.D)
LEFT BANK ELEVATION 10.92 M (A.D)
RIGHT BANK ELEVATION 11.67 M (A.D), **DRAINAGE AREA** 730 **SQUARE KILOMETERS**



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	1.20	1.32	3.20	4.22	1.56	9.23	5.06	1.80	0.60	0.52	0.16	
2	0.52	1.08	1.32	5.06	4.01	1.56	10.49	5.48	1.80	0.60	0.48	0.16	
3	0.52	0.96	1.44	4.64	2.40	1.80	11.12	5.06	1.80	0.60	0.48	0.16	
4	0.44	0.84	2.00	3.40	2.20	1.80	19.72	5.27	1.80	0.56	0.48	0.16	
5	0.44	0.84	13.17	3.60	2.20	1.80	20.98	4.85	1.80	0.60	0.48	0.14	
6	0.36	0.72	10.49	3.20	2.00	2.20	16.90	4.43	1.68	0.72	0.44	0.14	
7	0.32	1.68	8.33	3.20	1.68	2.40	23.50	4.22	1.56	0.72	0.40	0.36	
8	0.40	2.40	12.10	6.98	1.68	4.64	20.56	4.22	1.56	0.72	0.40	0.40	
9	0.52	0.84	25.75	8.33	1.56	5.90	17.30	4.22	1.56	0.60	0.36	0.20	
10	0.48	0.60	28.00	10.81	1.56	14.59	16.10	3.80	1.56	0.60	0.32	0.40	
11	0.48	3.80	20.56	10.49	1.32	13.17	17.70	3.40	1.44	0.56	0.36	0.32	
12	0.44	2.60	15.30	8.60	1.32	11.44	16.50	3.20	1.32	0.56	0.36	0.28	
13	0.44	1.32	18.90	6.98	1.20	7.79	23.95	3.00	1.44	0.56	0.36	0.24	
14	0.44	1.20	13.52	4.43	1.20	6.44	17.30	2.60	1.44	0.56	0.36	0.28	
15	0.84	1.32	9.23	6.17	1.56	4.85	13.88	2.40	1.44	0.56	0.32	0.24	
16	0.60	1.20	10.18	4.22	1.44	4.01	14.24	2.20	1.32	0.52	0.32	0.24	
17	0.56	4.43	7.79	5.06	1.44	4.64	14.95	1.80	1.32	0.52	0.32	0.20	
18	0.52	4.43	4.64	10.18	1.56	3.80	14.24	2.20	1.20	0.56	0.32	0.14	
19	0.48	3.80	3.40	7.52	1.44	3.80	13.88	2.20	1.08	0.52	0.28	0.16	
20	0.40	3.20	2.60	5.48	2.20	4.01	14.59	2.20	1.08	0.52	0.24	0.16	
21	0.36	2.60	2.40	6.44	1.80	3.80	13.52	2.20	1.08	0.48	0.20	0.14	
22	1.68	2.40	2.00	12.10	1.56	3.40	12.81	2.20	1.08	0.44	0.18	0.14	
23	4.01	2.40	2.20	9.86	1.20	5.06	12.46	2.20	0.96	0.44	0.16	0.14	
24	1.56	1.56	2.00	30.40	1.44	5.69	12.46	2.40	0.96	0.40	0.14	0.14	
25	1.08	1.20	2.20	30.40	1.44	6.17	11.75	2.00	0.96	0.40	0.14	0.14	
26	0.84	1.44	1.68	27.10	1.20	5.69	10.18	1.44	0.96	0.36	0.16	0.14	
27	0.72	3.60	1.44	22.66	0.96	5.69	9.23	1.44	0.84	0.36	0.16	0.14	
28	0.60	5.69	1.32	12.46	0.84	5.27	7.79	1.44	0.84	0.40	0.14	0.12	
29	0.52	4.85	0.96	9.86	0.72	6.98	6.44	1.80	0.84	0.48		0.12	
30	1.08	2.80	1.32	6.71	0.96	9.55	5.90	1.44	0.72	0.36		0.10	
31		2.00		5.06	1.20		5.48		0.72	0.32		0.10	
TOTAL	22.21	69.00	227.56	294.60	51.51	159.50	435.15	90.37	39.96	16.20	8.88	5.96	1420.90 CMSDAY
MEAN	0.74	2.23	7.59	9.50	1.66	5.32	14.04	3.01	1.29	0.52	0.32	0.19	3.89 CMS
MAX	4.01	5.69	28.00	30.40	4.22	14.59	23.95	5.48	1.80	0.72	0.52	0.40	30.40 CMS
MIN	0.32	0.60	0.96	3.20	0.72	1.56	5.48	1.44	0.72	0.32	0.14	0.10	0.10 CMS
RUNOFF	1.919	5.962	19.661	25.453	4.450	13.781	37.597	7.808	3.453	1.400	0.767	0.515	122.766 MCM

MOMENTARY PEAK 32.80 CMS, AT 1.50 M (A.D), AT 18.00 HOURS, ON JUL 24, 1984

RUNOFF YIELD 5.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 44.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

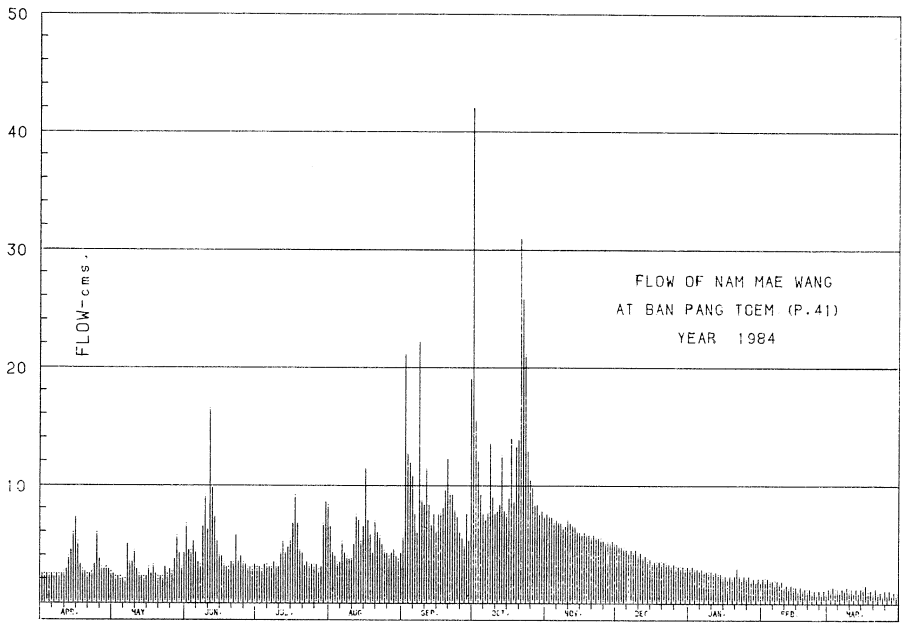
NAM MAE WANG AT BAN PANG TOEM, CHIANG MAI (P.41)

LOCATION	LAT. 18-37-00 N., LONG. 98-44-43 E., ON LEFT BANK ABOUT 1 KILOMETER FROM BAN PANG TOEM, AMPHOE SAN PA THONG, CHIANG MAI.
DRAINAGE AREA	426 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+322.20 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+329.595 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 130 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	323.05	323.05	323.23	323.08	323.22	323.19	324.23	323.26	323.16	323.08	323.03	322.98	
2	323.05	323.04	323.14	323.08	323.14	323.68	323.52	323.26	323.16	323.08	323.03	322.99	
3	323.05	323.04	323.14	323.07	323.12	323.44	323.42	323.25	323.15	323.08	323.03	322.99	
4	323.05	323.04	323.17	323.09	323.10	323.41	323.32	323.24	323.15	323.07	323.03	322.98	
5	323.05	323.03	323.14	323.09	323.10	323.38	323.27	323.24	323.14	323.07	323.02	322.98	
6	323.05	323.03	323.10	323.08	323.17	323.26	323.24	323.24	323.14	323.07	323.02	322.98	
7	323.05	323.16	323.09	323.09	323.13	323.21	323.27	323.23	323.14	323.07	323.02	322.98	
8	323.05	323.10	323.22	323.10	323.12	323.71	323.46	323.22	323.14	323.06	323.02	322.99	
9	323.05	323.10	323.32	323.09	323.11	323.31	323.32	323.22	323.14	323.06	323.02	322.99	
10	323.06	323.14	323.21	323.08	323.12	323.29	323.26	323.25	323.13	323.06	323.01	322.98	
11	323.07	323.07	323.55	323.14	323.16	323.40	323.28	323.23	323.13	323.06	323.00	322.98	
12	323.12	323.05	323.34	323.17	323.26	323.29	323.29	323.23	323.12	323.06	323.00	322.98	
13	323.14	323.04	323.26	323.14	323.24	323.23	323.43	323.22	323.12	323.06	323.00	322.98	
14	323.20	323.04	323.17	323.15	323.17	323.26	323.27	323.21	323.11	323.05	322.99	322.98	
15	323.25	323.04	323.13	323.18	323.22	323.21	323.26	323.20	323.11	323.04	322.99	322.98	
16	323.17	323.08	323.12	323.23	323.40	323.26	323.31	323.20	323.10	323.04	322.99	323.00	
17	323.09	323.05	323.10	323.32	323.24	323.27	323.48	323.20	323.10	323.04	322.99	323.00	
18	323.07	323.09	323.08	323.23	323.20	323.28	323.30	323.20	323.10	323.04	322.99	322.98	
19	323.06	323.05	323.08	323.15	323.13	323.34	323.46	323.19	323.10	323.04	322.98	322.97	
20	323.05	323.04	323.10	323.13	323.24	323.42	323.47	323.19	323.10	323.04	322.98	322.97	
21	323.05	323.04	323.10	323.10	323.20	323.33	323.95	323.19	323.10	323.09	322.98	322.98	
22	323.06	323.04	323.19	323.10	323.19	323.32	323.81	323.19	323.10	323.04	322.97	322.97	
23	323.09	323.08	323.11	323.09	323.16	323.28	323.68	323.18	323.09	323.04	322.97	322.96	
24	323.20	323.05	323.12	323.09	323.14	323.25	323.44	323.18	323.09	323.04	322.97	322.96	
25	323.11	323.07	323.10	323.09	323.13	323.21	323.37	323.17	323.09	323.04	322.97	322.97	
26	323.08	323.06	323.09	323.09	323.12	323.18	323.34	323.17	323.08	323.04	322.97	322.97	
27	323.07	323.11	323.08	323.07	323.13	323.16	323.30	323.17	323.08	323.03	322.97	322.97	
28	323.08	323.19	323.08	323.08	323.15	323.26	323.29	323.17	323.08	323.03	322.97	322.96	
29	323.07	323.13	323.08	323.23	323.12	323.18	323.27	323.17	323.08	323.03		322.96	
30	323.06	323.08	323.09	323.30	323.11	323.62	323.27	323.17	323.08	323.03		322.96	
31		323.13		323.29	323.13		323.26		323.08	323.03		322.96	
MEAN	323.09	323.07	323.16	323.14	323.17	323.32	323.41	323.21	323.11	323.05	323.00	322.98	
MAX	323.25	323.19	323.55	323.32	323.40	323.71	324.23	323.26	323.16	323.09	323.03	323.00	324.23
MIN	323.05	323.03	323.08	323.07	323.10	323.16	323.24	323.17	323.08	323.03	322.97	322.96	322.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 325.15 M (MSL), AT 2.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 322.20 M (MSL), RIVER BED 322.85 M (MSL)
LEFT BANK ELEVATION 328.02 M (MSL)
RIGHT BANK ELEVATION 326.67 M (MSL), DRAINAGE AREA 426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.50	2.50	6.78	3.10	6.52	5.75	42.20	7.56	5.00	3.10	2.10	1.20	
2	2.50	2.30	4.50	3.10	4.50	21.10	15.50	7.56	5.00	3.10	2.10	1.35	
3	2.50	2.30	4.50	2.90	4.00	12.88	12.24	7.30	4.75	3.10	2.10	1.35	
4	2.50	2.30	5.25	3.30	3.50	11.92	9.20	7.04	4.75	2.90	2.10	1.20	
5	2.50	2.10	4.50	3.30	3.50	11.00	7.82	7.04	4.50	2.90	1.90	1.20	
6	2.50	2.10	3.50	3.10	5.25	7.56	7.04	7.04	4.50	2.90	1.90	1.20	
7	2.50	5.00	3.30	3.30	4.25	6.26	7.82	6.78	4.50	2.90	1.90	1.20	
8	2.50	3.50	6.52	3.50	4.00	22.16	13.52	6.52	4.50	2.70	1.90	1.35	
9	2.50	3.50	9.20	3.30	3.75	8.90	9.20	6.52	4.50	2.70	1.90	1.35	
10	2.70	4.50	6.26	3.10	4.00	8.34	7.56	7.30	4.25	2.70	1.70	1.20	
11	2.90	2.90	16.55	4.50	5.00	11.60	8.08	6.78	4.25	2.70	1.50	1.20	
12	4.00	2.50	9.80	5.25	7.56	8.34	8.34	6.78	4.00	2.70	1.50	1.20	
13	4.50	2.30	7.56	4.50	7.04	6.78	12.56	6.52	4.00	2.70	1.50	1.20	
14	6.00	2.30	5.25	4.75	5.25	7.56	7.82	6.26	3.75	2.50	1.35	1.20	
15	7.30	2.30	4.25	5.50	6.52	6.26	7.56	6.00	3.75	2.30	1.35	1.20	
16	5.25	3.10	4.00	6.78	11.60	7.56	8.90	6.00	3.50	2.30	1.35	1.50	
17	3.30	2.50	3.50	9.20	7.04	7.82	14.16	6.00	3.50	2.30	1.35	1.50	
18	2.90	3.30	3.10	6.78	6.00	8.08	8.60	6.00	3.50	2.30	1.35	1.20	
19	2.70	2.50	3.10	4.75	4.25	9.80	13.52	5.75	3.50	2.30	1.20	1.05	
20	2.50	2.30	3.50	4.25	7.04	12.24	13.84	5.75	3.50	2.30	1.20	1.05	
21	2.50	2.30	3.50	3.50	6.00	9.50	31.10	5.75	3.50	3.30	1.20	1.20	
22	2.70	2.30	5.75	3.50	5.75	9.20	25.78	5.75	3.50	2.30	1.05	1.05	
23	3.30	3.10	3.75	3.30	5.00	8.08	21.10	5.50	3.30	2.30	1.05	0.90	
24	6.00	2.50	4.00	3.30	4.50	7.30	12.88	5.50	3.30	2.30	1.05	0.90	
25	3.75	2.90	3.50	3.30	4.25	6.26	10.70	5.25	3.30	2.30	1.05	1.05	
26	3.10	2.70	3.30	3.30	4.00	5.50	9.80	5.25	3.10	2.30	1.05	1.05	
27	2.90	3.75	3.10	2.90	4.25	5.00	8.60	5.25	3.10	2.10	1.05	1.05	
28	3.10	5.75	3.10	3.10	4.75	7.56	8.34	5.25	3.10	2.10	1.05	0.90	
29	2.90	4.25	3.10	6.78	4.00	5.50	7.82	5.25	3.10	2.10		0.90	
30	2.70	3.10	3.30	8.60	3.75	19.00	7.82	5.25	3.10	2.10		0.90	
31		4.25		8.34	4.25		7.56		3.10	2.10		0.90	
TOTAL	99.50	93.00	151.32	138.18	161.07	284.81	386.98	186.50	119.00	78.70	41.80	35.70	1776.56 CMSDAY
MEAN	3.32	3.00	5.04	4.46	5.20	9.49	12.48	6.22	3.84	2.54	1.49	1.15	4.87 CMS
MAX	7.30	5.75	16.55	9.20	11.60	22.16	42.20	7.56	5.00	3.30	2.10	1.50	42.20 CMS
MIN	2.50	2.10	3.10	2.90	3.50	5.00	7.04	5.25	3.10	2.10	1.05	0.90	0.90 CMS
RUNOFF	8.597	8.035	13.074	11.939	13.916	24.608	33.435	16.114	10.282	6.800	3.612	3.084	153.495 MCM

MOMENTARY PEAK 81.75 CMS, AT 325.15 M (MSL), AT 2.00 HOURS, ON SEP 8, 1984

RUNOFF YIELD 11.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 191.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

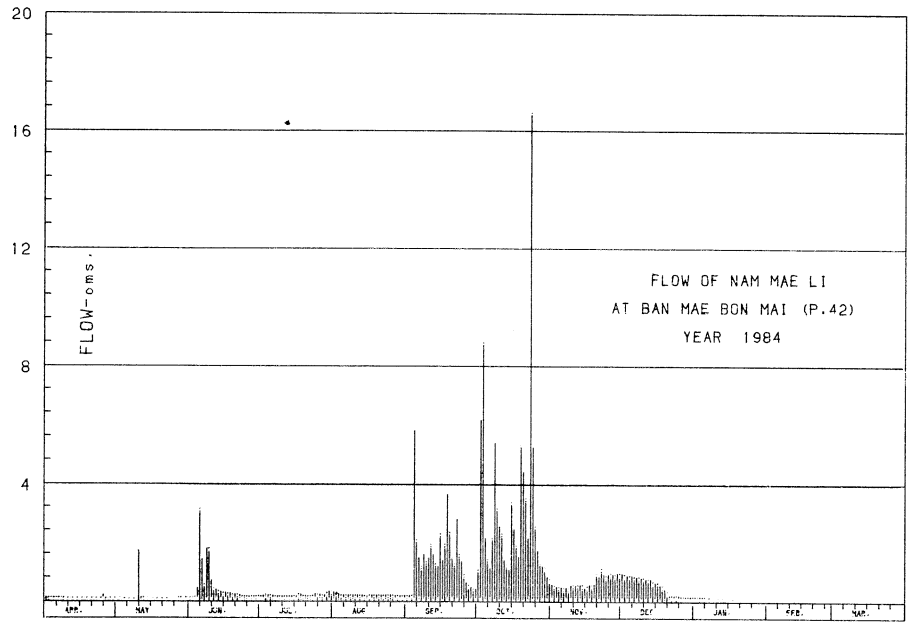
NAM MAE LI AT BAN MAE BON MAI, LAMPHUN (P.42)

LOCATION	LAT. 17-53-16 N., LONG. 99-05-20 E., ON RIGHT BANK AT BAN MAE BON MAI, KING AMPHOE THUNG HUA CHANG, LAMPHUN.
DRAINAGE AREA	315 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+500.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE TOP STAFF GAGE.
ELEVATION	+505.708 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 90 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	500.37	500.36	500.37	500.39	500.46	500.40	500.72	500.59	500.69	500.38	500.33	500.33	
2	500.37	500.36	500.37	500.40	500.44	500.40	501.61	500.57	500.68	500.38	500.33	500.33	
3	500.37	500.36	500.38	500.42	500.43	500.41	501.91	500.55	500.67	500.38	500.33	500.32	
4	500.37	500.35	500.53	500.41	500.41	501.56	500.97	500.55	500.67	500.38	500.33	500.32	
5	500.37	500.35	501.17	500.41	500.41	500.96	500.81	500.54	500.67	500.38	500.33	500.31	
6	500.37	500.34	500.81	500.40	500.41	500.82	500.73	500.53	500.66	500.37	500.33	500.31	
7	500.37	500.34	500.59	500.39	500.41	500.75	500.97	500.53	500.66	500.37	500.33	500.30	
8	500.37	500.34	500.90	500.39	500.41	500.85	501.50	500.53	500.66	500.36	500.33	500.30	
9	500.37	500.34	500.90	500.39	500.41	500.79	501.17	500.57	500.65	500.36	500.33	500.30	
10	500.36	500.91	500.63	500.39	500.41	500.82	501.05	500.58	500.65	500.36	500.33	500.29	
11	500.36	500.37	500.52	500.39	500.41	500.93	501.00	500.57	500.64	500.36	500.34	500.28	
12	500.36	500.37	500.50	500.39	500.41	500.85	500.80	500.58	500.64	500.36	500.36	500.26	
13	500.36	500.36	500.48	500.39	500.41	500.77	500.76	500.58	500.64	500.36	500.36	500.25	
14	500.36	500.36	500.46	500.39	500.40	500.75	500.72	500.58	500.62	500.36	500.36	500.25	
15	500.36	500.36	500.45	500.39	500.39	501.00	501.21	500.52	500.61	500.34	500.36	500.25	
16	500.36	500.35	500.45	500.39	500.41	500.80	501.03	500.56	500.61	500.34	500.36	500.24	
17	500.36	500.35	500.44	500.43	500.41	500.93	500.92	500.58	500.57	500.34	500.35	500.24	
18	500.36	500.35	500.44	500.42	500.41	501.25	500.83	500.58	500.57	500.33	500.34	500.24	
19	500.36	500.35	500.42	500.40	500.41	501.01	501.49	500.59	500.50	500.33	500.34	500.24	
20	500.36	500.35	500.42	500.40	500.41	500.81	501.36	500.69	500.47	500.33	500.34	500.24	
21	500.36	500.35	500.42	500.39	500.41	500.77	501.23	500.66	500.40	500.33	500.33	500.23	
22	500.36	500.35	500.41	500.39	500.41	501.10	500.97	500.73	500.40	500.33	500.33	500.23	
23	500.36	500.35	500.39	500.40	500.41	500.85	502.53	500.68	500.40	500.33	500.33	500.22	
24	500.36	500.35	500.39	500.43	500.41	500.79	501.48	500.67	500.40	500.33	500.33	500.20	
25	500.41	500.35	500.39	500.42	500.41	500.68	501.05	500.68	500.40	500.33	500.33	500.19	
26	500.36	500.35	500.39	500.42	500.41	500.61	500.88	500.69	500.38	500.33	500.33	500.17	
27	500.36	500.37	500.39	500.41	500.40	500.58	500.79	500.68	500.38	500.33	500.33	500.16	
28	500.36	500.37	500.39	500.41	500.40	500.54	500.75	500.68	500.38	500.33	500.33	500.15	
29	500.36	500.37	500.39	500.45	500.40	500.51	500.74	500.69	500.38	500.33		500.14	
30	500.36	500.37	500.40	500.47	500.40	500.51	500.66	500.69	500.38	500.33		500.14	
31		500.37		500.47	500.40		500.64		500.38	500.33		500.13	
MEAN	500.36	500.37	500.51	500.41	500.41	500.79	501.07	500.61	500.54	500.35	500.34	500.24	
MAX	500.41	500.91	501.17	500.47	500.46	501.56	502.53	500.73	500.69	500.38	500.36	500.33	502.53
MIN	500.36	500.34	500.37	500.39	500.39	500.40	500.64	500.52	500.38	500.33	500.33	500.13	500.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 502.67 M (MSL), AT 11.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 500.10 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION 502.95 M (MSL)
RIGHT BANK ELEVATION 505.87 M (MSL), DRAINAGE AREA 315 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.12	0.14	0.18	0.32	0.20	1.08	0.58	0.96	0.16	0.06	0.06	
2	0.14	0.12	0.14	0.20	0.28	0.20	6.17	0.54	0.92	0.16	0.06	0.06	
3	0.14	0.12	0.16	0.24	0.26	0.22	8.80	0.50	0.88	0.16	0.06	0.04	
4	0.14	0.10	0.46	0.22	0.22	5.82	2.15	0.50	0.88	0.16	0.06	0.04	
5	0.14	0.10	3.15	0.22	0.22	2.10	1.44	0.48	0.88	0.16	0.06	0.02	
6	0.14	0.08	1.44	0.20	0.22	1.48	1.12	0.46	0.84	0.14	0.06	0.02	
7	0.14	0.08	0.58	0.18	0.22	1.20	2.15	0.46	0.84	0.14	0.06	0.00	
8	0.14	0.08	1.80	0.18	0.22	1.60	5.40	0.46	0.84	0.12	0.06	0.00	
9	0.14	0.08	1.80	0.18	0.22	1.36	3.15	0.54	0.80	0.12	0.06	0.00	
10	0.12	1.85	0.72	0.18	0.22	1.48	2.55	0.56	0.80	0.12	0.06	0.00	
11	0.12	0.14	0.44	0.18	0.22	1.95	2.30	0.54	0.76	0.12	0.08	0.00	
12	0.12	0.14	0.40	0.18	0.22	1.60	1.40	0.56	0.76	0.12	0.12	0.00	
13	0.12	0.12	0.36	0.18	0.22	1.28	1.24	0.56	0.76	0.12	0.12	0.00	
14	0.12	0.12	0.32	0.18	0.20	1.20	1.08	0.56	0.68	0.12	0.12	0.00	
15	0.12	0.12	0.30	0.18	0.18	2.30	3.37	0.44	0.64	0.08	0.12	0.00	
16	0.12	0.10	0.30	0.18	0.22	1.40	2.45	0.52	0.64	0.08	0.12	0.00	
17	0.12	0.10	0.28	0.26	0.22	1.95	1.90	0.56	0.54	0.08	0.10	0.00	
18	0.12	0.10	0.28	0.24	0.22	3.65	1.52	0.56	0.54	0.06	0.08	0.00	
19	0.12	0.10	0.24	0.20	0.22	2.35	5.33	0.58	0.40	0.06	0.08	0.00	
20	0.12	0.10	0.24	0.20	0.22	1.44	4.42	0.96	0.34	0.06	0.08	0.00	
21	0.12	0.10	0.24	0.18	0.22	1.28	3.51	0.84	0.20	0.06	0.06	0.00	
22	0.12	0.10	0.22	0.18	0.22	2.80	2.15	1.12	0.20	0.06	0.06	0.00	
23	0.12	0.10	0.18	0.20	0.22	1.60	16.62	0.92	0.20	0.06	0.06	0.00	
24	0.12	0.10	0.18	0.26	0.22	1.36	5.26	0.88	0.20	0.06	0.06	0.00	
25	0.22	0.10	0.18	0.24	0.22	0.92	2.55	0.92	0.20	0.06	0.06	0.00	
26	0.12	0.10	0.18	0.24	0.22	0.64	1.72	0.96	0.16	0.06	0.06	0.00	
27	0.12	0.14	0.18	0.22	0.20	0.56	1.36	0.92	0.16	0.06	0.06	0.00	
28	0.12	0.14	0.18	0.22	0.20	0.48	1.20	0.92	0.16	0.06	0.06	0.00	
29	0.12	0.14	0.18	0.30	0.20	0.42	1.16	0.96	0.16	0.06		0.00	
30	0.12	0.14	0.20	0.34	0.20	0.42	0.84	0.96	0.16	0.06		0.00	
31		0.14		0.34	0.20		0.76		0.16	0.06		0.00	
TOTAL	3.88	5.17	15.47	6.68	6.86	45.26	96.15	20.32	16.66	3.00	2.10	0.24	221.79 CMSDAY
MEAN	0.13	0.17	0.52	0.22	0.22	1.51	3.10	0.68	0.54	0.10	0.07	0.01	0.61 CMS
MAX	0.22	1.85	3.15	0.34	0.32	5.82	16.62	1.12	0.96	0.16	0.12	0.06	16.62 CMS
MIN	0.12	0.08	0.14	0.18	0.18	0.20	0.76	0.44	0.16	0.06	0.06	0.00	0.00 CMS
RUNOFF	0.335	0.447	1.337	0.577	0.593	3.910	8.307	1.756	1.439	0.259	0.181	0.021	19.163 MCM

MOMENTARY PEAK 18.72 CMS, AT 502.67 M (MSL), AT 11.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 1.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 59.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

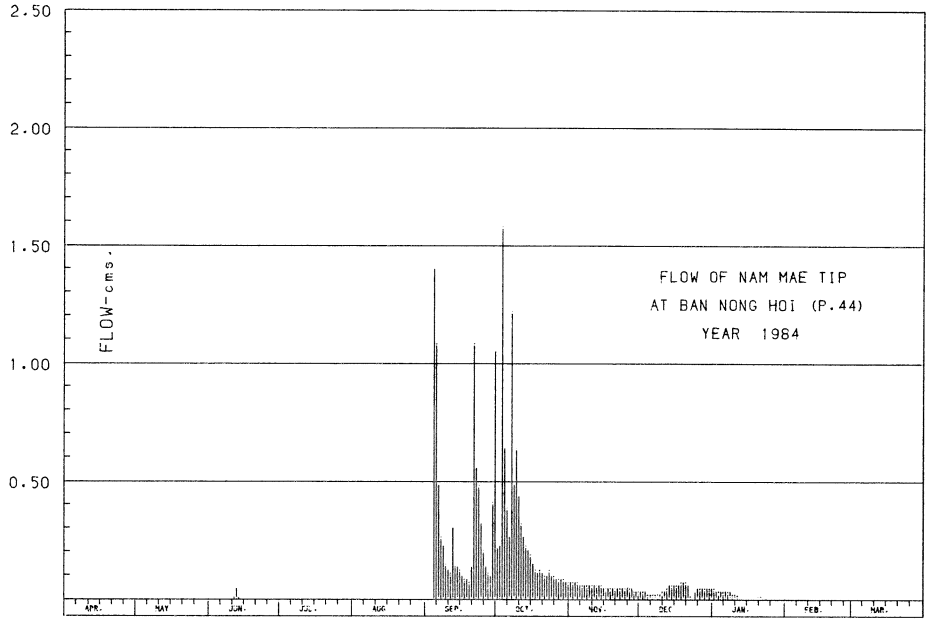
NAM MAE TIP AT BAN NONG HOI(1), LAMPHUN (P.44)

LOCATION	LAT. 18-35-12 N., LONG. 99-09-27 E., ON RIGHT BANK NEAR BAN NONG HOI SCHOOL, BAN NONG HOI, TAMBON MAKHUA CHAE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 71.20 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.332 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	-0.01	0.06	0.13	0.11	0.13	0.24	0.14	0.11	0.12	0.08	-0.03	
2	0.07	-0.01	0.14	0.13	0.11	0.15	0.24	0.14	0.11	0.11	0.08	-0.03	
3	0.04	-0.01	0.14	0.13	0.11	0.17	0.70	0.14	0.11	0.11	0.08	-0.03	
4	0.04	-0.01	0.16	0.12	0.10	0.65	0.42	0.14	0.10	0.11	0.08	-0.03	
5	0.06	-0.01	0.16	0.13	0.10	0.56	0.32	0.13	0.10	0.11	0.08	-0.03	
6	0.06	-0.01	0.16	0.12	0.10	0.36	0.26	0.13	0.10	0.11	0.08	-0.03	
7	0.05	-0.01	0.16	0.12	0.10	0.26	0.60	0.13	0.10	0.11	0.08	-0.03	
8	0.05	-0.01	0.16	0.11	0.10	0.24	0.36	0.13	0.10	0.11	0.08	-0.03	
9	0.05	-0.01	0.16	0.14	0.10	0.20	0.42	0.13	0.10	0.10	0.08	-0.03	
10	0.04	-0.01	0.16	0.13	0.10	0.18	0.34	0.13	0.11	0.10	0.07	-0.03	
11	0.04	-0.01	0.23	0.13	0.10	0.17	0.29	0.13	0.11	0.09	0.05	-0.04	
12	0.04	-0.01	0.29	0.15	0.12	0.28	0.26	0.13	0.12	0.08	0.05	-0.06	
13	0.04	-0.01	0.21	0.15	0.16	0.20	0.24	0.13	0.13	0.07	0.04	-0.08	
14	0.04	-0.01	0.21	0.14	0.16	0.19	0.23	0.13	0.13	0.07	0.04	-0.08	
15	0.04	-0.01	0.20	0.16	0.16	0.18	0.22	0.12	0.13	0.07	0.04	-0.09	
16	0.04	-0.01	0.19	0.16	0.16	0.16	0.20	0.12	0.13	0.07	0.04	-0.09	
17	0.02	-0.01	0.19	0.17	0.17	0.15	0.18	0.12	0.13	0.07	0.04	-0.10	
18	0.00	-0.01	0.19	0.17	0.17	0.15	0.17	0.12	0.14	0.07	0.03	-0.10	
19	-0.01	-0.01	0.19	0.17	0.17	0.14	0.18	0.12	0.14	0.07	0.03	-0.10	
20	-0.01	-0.01	0.19	0.16	0.17	0.19	0.17	0.12	0.14	0.08	0.02	-0.10	
21	-0.01	-0.01	0.19	0.15	0.16	0.56	0.16	0.12	0.13	0.08	0.02	-0.10	
22	-0.01	-0.01	0.18	0.14	0.16	0.39	0.16	0.12	0.08	0.08	0.02	-0.10	
23	-0.01	-0.01	0.18	0.12	0.14	0.36	0.18	0.12	0.08	0.08	0.01	-0.10	
24	-0.01	-0.01	0.17	0.11	0.14	0.29	0.16	0.12	0.12	0.08	0.01	-0.10	
25	-0.01	-0.01	0.14	0.11	0.14	0.23	0.16	0.12	0.12	0.08	-0.01	-0.10	
26	-0.01	-0.01	0.14	0.11	0.13	0.19	0.15	0.12	0.12	0.08	-0.02	-0.10	
27	-0.01	-0.01	0.13	0.11	0.13	0.17	0.15	0.12	0.12	0.08	-0.03	-0.10	
28	-0.01	0.06	0.13	0.11	0.13	0.16	0.15	0.11	0.12	0.08	-0.03	-0.10	
29	-0.01	0.06	0.13	0.13	0.13	0.33	0.15	0.11	0.12	0.08		-0.10	
30	-0.01	0.10	0.13	0.11	0.13	0.55	0.14	0.11	0.12	0.08		-0.10	
31		0.09		0.11	0.13		0.14		0.12	0.08		-0.10	
MEAN	0.02	0.00	0.17	0.13	0.13	0.26	0.25	0.12	0.12	0.09	0.04	-0.07	
MAX	0.07	0.10	0.29	0.17	0.17	0.65	0.70	0.14	0.14	0.12	0.08	-0.03	0.70
MIN	-0.01	-0.01	0.06	0.11	0.10	0.13	0.14	0.11	0.08	0.07	-0.03	-0.10	-0.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.76 M (A.D), AT 6.00 HOURS, ON OCT 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.01 M (A.D)
LEFT BANK ELEVATION 1.62 M (A.D)
RIGHT BANK ELEVATION 2.10 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.000	0.000	0.000	0.000	0.226	0.072	0.033	0.046	0.012	0.000	
2	0.000	0.000	0.000	0.000	0.000	0.000	0.226	0.072	0.033	0.033	0.012	0.000	
3	0.000	0.000	0.000	0.000	0.000	0.000	1.580	0.072	0.033	0.033	0.012	0.000	
4	0.000	0.000	0.000	0.000	0.000	1.400	0.640	0.072	0.020	0.033	0.012	0.000	
5	0.000	0.000	0.000	0.000	0.000	1.084	0.388	0.059	0.020	0.033	0.012	0.000	
6	0.000	0.000	0.000	0.000	0.000	0.484	0.264	0.059	0.020	0.033	0.012	0.000	
7	0.000	0.000	0.000	0.000	0.000	0.264	1.220	0.059	0.020	0.033	0.012	0.000	
8	0.000	0.000	0.000	0.000	0.000	0.226	0.484	0.059	0.020	0.033	0.012	0.000	
9	0.000	0.000	0.000	0.000	0.000	0.150	0.640	0.059	0.020	0.020	0.012	0.000	
10	0.000	0.000	0.000	0.000	0.000	0.124	0.436	0.059	0.033	0.020	0.008	0.000	
11	0.000	0.000	0.015	0.000	0.000	0.111	0.321	0.059	0.033	0.016	0.000	0.000	
12	0.000	0.000	0.045	0.000	0.000	0.302	0.264	0.059	0.046	0.012	0.000	0.000	
13	0.000	0.000	0.005	0.000	0.000	0.150	0.226	0.059	0.059	0.008	0.000	0.000	
14	0.000	0.000	0.005	0.000	0.000	0.137	0.207	0.059	0.059	0.008	0.000	0.000	
15	0.000	0.000	0.000	0.000	0.000	0.124	0.188	0.046	0.059	0.008	0.000	0.000	
16	0.000	0.000	0.000	0.000	0.000	0.098	0.150	0.046	0.059	0.008	0.000	0.000	
17	0.000	0.000	0.000	0.000	0.000	0.085	0.124	0.046	0.059	0.008	0.000	0.000	
18	0.000	0.000	0.000	0.000	0.000	0.085	0.111	0.046	0.072	0.008	0.000	0.000	
19	0.000	0.000	0.000	0.000	0.000	0.072	0.124	0.046	0.072	0.008	0.000	0.000	
20	0.000	0.000	0.000	0.000	0.000	0.137	0.111	0.046	0.072	0.012	0.000	0.000	
21	0.000	0.000	0.000	0.000	0.000	1.084	0.098	0.046	0.059	0.012	0.000	0.000	
22	0.000	0.000	0.000	0.000	0.000	0.556	0.098	0.046	0.012	0.012	0.000	0.000	
23	0.000	0.000	0.000	0.000	0.000	0.484	0.124	0.046	0.012	0.012	0.000	0.000	
24	0.000	0.000	0.000	0.000	0.000	0.321	0.098	0.046	0.046	0.012	0.000	0.000	
25	0.000	0.000	0.000	0.000	0.000	0.207	0.098	0.046	0.046	0.012	0.000	0.000	
26	0.000	0.000	0.000	0.000	0.000	0.137	0.085	0.046	0.046	0.012	0.000	0.000	
27	0.000	0.000	0.000	0.000	0.000	0.111	0.085	0.046	0.046	0.012	0.000	0.000	
28	0.000	0.000	0.000	0.000	0.000	0.098	0.085	0.033	0.046	0.012	0.000	0.000	
29	0.000	0.000	0.000	0.000	0.000	0.412	0.085	0.033	0.046	0.012		0.000	
30	0.000	0.000	0.000	0.000	0.000	1.050	0.072	0.033	0.046	0.012		0.000	
31		0.000		0.000	0.000		0.072		0.046	0.012		0.000	
TOTAL	0.000	0.000	0.070	0.000	0.000	9.493	8.930	1.575	1.293	0.545	0.116	0.000	22.022 CMSDAY
MEAN	0.000	0.000	0.002	0.000	0.000	0.316	0.288	0.053	0.042	0.018	0.004	0.000	0.060 CMS
MAX	0.000	0.000	0.045	0.000	0.000	1.400	1.580	0.072	0.072	0.046	0.012	0.000	1.580 CMS
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.072	0.033	0.012	0.008	0.000	0.000	0.000 CMS
RUNOFF	0.000	0.000	0.006	0.000	0.000	0.820	0.772	0.136	0.112	0.047	0.010	0.000	1.903 MCM

MOMENTARY PEAK 1.81 CMS, AT 0.76 M (A.D), AT 6.00 HOURS, ON OCT 3, 1984

RUNOFF YIELD 1.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 51.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

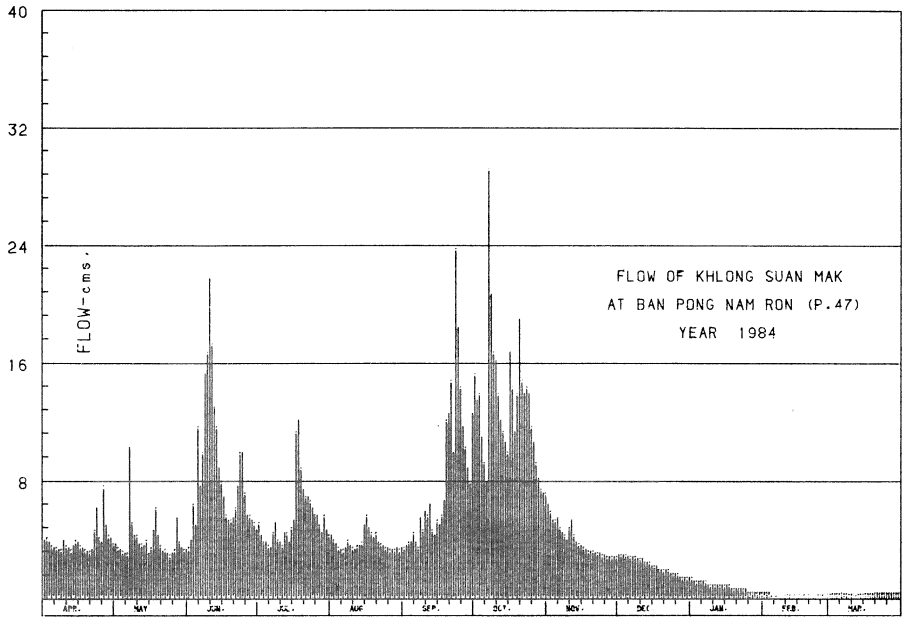
KHLONG SUAN MAK AT BAN PONG NAM RON, KAMPHAENG PHET (P.47)

LOCATION	LAT. 18-25-21 N., LONG. 99-16-29 E., ON RIGHT BANK AT BAN PONG NAM RON, AMPHOE KHLONG LAN, KAMPHAENG PHET.
DRAINAGE AREA	521 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 9 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.740 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 119 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.38	0.36	0.47	0.42	0.36	0.78	0.53	0.32	0.25	0.21	0.17	
2	0.41	0.36	0.40	0.42	0.40	0.37	0.74	0.51	0.32	0.24	0.21	0.16	
3	0.39	0.35	0.53	0.39	0.38	0.39	0.75	0.48	0.32	0.24	0.21	0.16	
4	0.37	0.34	0.46	0.39	0.36	0.39	0.68	0.48	0.32	0.24	0.20	0.16	
5	0.36	0.33	0.70	0.37	0.35	0.43	0.63	0.49	0.31	0.24	0.20	0.16	
6	0.36	0.33	0.58	0.36	0.35	0.39	0.59	0.45	0.31	0.24	0.20	0.15	
7	0.35	0.66	0.65	0.43	0.36	0.36	1.01	0.43	0.31	0.24	0.20	0.16	
8	0.35	0.47	0.78	0.47	0.40	0.49	0.88	0.42	0.31	0.23	0.19	0.16	
9	0.40	0.42	0.81	0.40	0.37	0.44	0.81	0.40	0.30	0.23	0.19	0.17	
10	0.37	0.42	0.90	0.39	0.36	0.51	0.80	0.45	0.30	0.23	0.19	0.17	
11	0.36	0.38	0.82	0.37	0.35	0.50	0.75	0.48	0.30	0.23	0.18	0.17	
12	0.35	0.38	0.73	0.43	0.37	0.53	0.71	0.42	0.29	0.23	0.18	0.19	
13	0.37	0.37	0.70	0.43	0.37	0.44	0.69	0.39	0.29	0.23	0.18	0.17	
14	0.40	0.40	0.62	0.39	0.39	0.42	0.67	0.38	0.29	0.23	0.18	0.17	
15	0.39	0.33	0.59	0.45	0.46	0.48	0.65	0.37	0.28	0.23	0.18	0.17	
16	0.37	0.36	0.55	0.48	0.50	0.46	0.81	0.36	0.28	0.23	0.18	0.16	
17	0.36	0.44	0.50	0.69	0.45	0.50	0.76	0.35	0.28	0.23	0.18	0.16	
18	0.35	0.52	0.48	0.71	0.43	0.54	0.69	0.34	0.27	0.22	0.18	0.16	
19	0.34	0.42	0.48	0.62	0.41	0.71	0.75	0.34	0.27	0.22	0.18	0.16	
20	0.34	0.37	0.49	0.57	0.43	0.72	0.85	0.34	0.27	0.22	0.18	0.15	
21	0.35	0.34	0.52	0.55	0.39	0.77	0.77	0.33	0.27	0.22	0.18	0.15	
22	0.44	0.35	0.58	0.55	0.38	0.65	0.75	0.33	0.27	0.22	0.18	0.15	
23	0.52	0.33	0.65	0.54	0.37	0.93	0.76	0.33	0.26	0.22	0.18	0.15	
24	0.41	0.32	0.65	0.52	0.36	0.84	0.75	0.32	0.26	0.22	0.18	0.15	
25	0.39	0.33	0.56	0.50	0.36	0.76	0.70	0.32	0.26	0.21	0.18	0.15	
26	0.58	0.35	0.50	0.50	0.35	0.70	0.67	0.31	0.26	0.21	0.18	0.15	
27	0.46	0.49	0.50	0.46	0.35	0.66	0.63	0.31	0.25	0.21	0.18	0.15	
28	0.42	0.39	0.48	0.43	0.35	0.62	0.60	0.31	0.25	0.21	0.17	0.15	
29	0.41	0.36	0.47	0.50	0.36	0.59	0.57	0.31	0.25	0.21		0.15	
30	0.38	0.35	0.44	0.44	0.35	0.72	0.56	0.31	0.25	0.21		0.15	
31		0.35		0.42	0.36		0.56		0.25	0.21		0.21	
MEAN	0.39	0.39	0.58	0.47	0.38	0.56	0.72	0.39	0.28	0.23	0.19	0.16	
MAX	0.58	0.66	0.90	0.71	0.50	0.93	1.01	0.53	0.32	0.25	0.21	0.21	1.01
MIN	0.34	0.32	0.36	0.36	0.35	0.36	0.56	0.31	0.25	0.21	0.17	0.15	0.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.19 M (A.D), AT 12.00 HOURS, ON SEP 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.14 M (A.D)
LEFT BANK ELEVATION 5.42 M (A.D)
RIGHT BANK ELEVATION 9.15 M (A.D), DRAINAGE AREA 521 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.00	3.75	3.50	5.19	4.34	3.50	15.30	6.45	3.00	1.46	0.44	0.32	
2	4.17	3.50	4.00	4.34	4.00	3.63	13.50	5.95	3.00	1.21	0.44	0.36	
3	3.87	3.37	6.45	3.87	3.75	3.87	13.95	5.36	3.00	1.21	0.44	0.36	
4	3.63	3.25	5.02	3.87	3.50	3.87	11.00	5.36	3.00	1.21	0.18	0.36	
5	3.50	3.13	11.70	3.63	3.37	4.51	9.25	5.53	2.88	1.21	0.18	0.36	
6	3.50	3.13	7.70	3.50	3.37	3.87	7.95	4.85	2.88	1.21	0.18	0.41	
7	3.37	10.30	9.95	4.51	3.50	3.50	29.20	4.51	2.88	1.21	0.18	0.36	
8	3.37	5.19	15.30	5.19	4.00	5.53	20.68	4.34	2.88	0.95	0.23	0.36	
9	4.00	4.34	16.76	4.00	3.63	4.68	16.76	4.00	2.75	0.95	0.23	0.32	
10	3.63	4.34	21.80	3.87	3.50	5.95	16.20	4.85	2.75	0.95	0.23	0.32	
11	3.50	3.75	17.32	3.63	3.37	5.70	13.95	5.36	2.75	0.95	0.27	0.32	
12	3.37	3.75	13.05	4.51	3.63	6.45	12.15	4.34	2.49	0.95	0.27	0.23	
13	3.63	3.63	11.70	4.51	3.63	4.68	11.35	3.87	2.49	0.95	0.27	0.32	
14	4.00	4.00	8.90	3.87	3.87	4.34	10.65	3.75	2.49	0.95	0.27	0.32	
15	3.87	3.13	7.95	4.85	5.02	5.36	9.95	3.63	2.24	0.95	0.27	0.32	
16	3.63	3.50	6.95	5.36	5.70	5.02	16.76	3.50	2.24	0.95	0.27	0.36	
17	3.50	4.68	5.70	11.35	4.85	5.70	14.40	3.37	2.24	0.95	0.27	0.36	
18	3.37	6.20	5.36	12.15	4.51	6.70	11.35	3.25	1.98	0.69	0.27	0.36	
19	3.25	4.34	5.36	8.90	4.17	12.15	13.95	3.25	1.98	0.69	0.27	0.36	
20	3.25	3.63	5.53	7.45	4.51	12.60	19.00	3.25	1.98	0.69	0.27	0.41	
21	3.37	3.25	6.20	6.95	3.87	14.85	14.85	3.13	1.98	0.69	0.27	0.41	
22	4.68	3.37	7.70	6.95	3.75	9.95	13.95	3.13	1.98	0.69	0.27	0.41	
23	6.20	3.13	9.95	6.70	3.63	23.78	14.40	3.13	1.72	0.69	0.27	0.41	
24	4.17	3.00	9.95	6.20	3.50	18.44	13.95	3.00	1.72	0.69	0.27	0.41	
25	3.87	3.13	7.20	5.70	3.50	14.40	11.70	3.00	1.72	0.44	0.27	0.41	
26	7.70	3.37	5.70	5.70	3.37	11.70	10.65	2.88	1.72	0.44	0.27	0.41	
27	5.02	5.53	5.70	5.02	3.37	10.30	9.25	2.88	1.46	0.44	0.27	0.41	
28	4.34	3.87	5.36	4.51	3.37	8.90	8.20	2.88	1.46	0.44	0.32	0.41	
29	4.17	3.50	5.19	5.70	3.50	7.95	7.45	2.88	1.46	0.44		0.41	
30	3.75	3.37	4.68	4.68	3.37	12.60	7.20	2.88	1.46	0.44		0.41	
31		3.37		4.34	3.50		7.20		1.46	0.44		0.44	
TOTAL	119.68	123.80	257.63	171.00	118.95	244.48	406.10	118.56	70.04	26.13	7.64	11.43	1675.44 CMSDAY
MEAN	3.99	3.99	8.59	5.52	3.84	8.15	13.10	3.95	2.26	0.84	0.27	0.37	4.59 CMS
MAX	7.70	10.30	21.80	12.15	5.70	23.78	29.20	6.45	3.00	1.46	0.44	0.44	29.20 CMS
MIN	3.25	3.00	3.50	3.50	3.37	3.50	7.20	2.88	1.46	0.44	0.18	0.23	0.18 CMS
RUNOFF	10.340	10.696	22.259	14.774	10.277	21.123	35.087	10.244	6.051	2.258	0.660	0.988	144.758 MCM

MOMENTARY PEAK 44.86 CMS, AT 1.19 M (A.D), AT 12.00 HOURS, ON SEP 23, 1984

RUNOFF YIELD 8.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 86.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

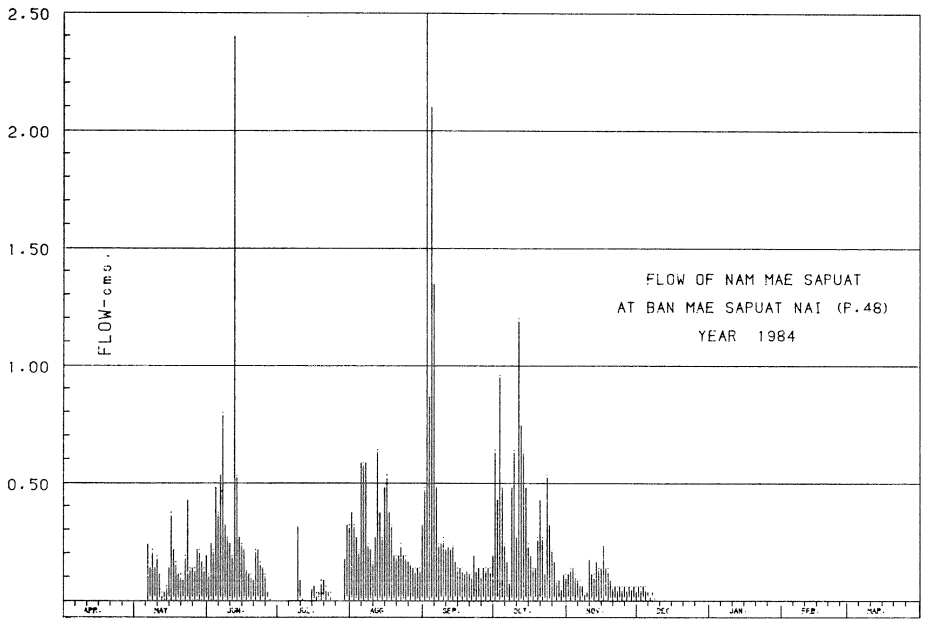
NAM MAE SAPUAT AT BAN MAE SAPUAT NAI, LAMPHUN (P.48)

LOCATION	LAT. 18-25-21 N., LONG. 99-05-15 E., ON RIGHT BANK ABOUT 4 KILOMETERS UPSTREAM FROM MAE SAPUAT RESERVOIR AT BAN MAE SAPUATNAI, TAMBON THA SOP SAO, AMPHOE MAE THA, LAMPHUN.
DRAINAGE AREA	74 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 22 METERS THE EAST OF THE TOP STAFF GAGE
ELEVATION	+2.20 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.23	0.34	0.28	0.42	0.44	0.47	0.34	0.32	0.26	0.27	0.23	
2	0.23	0.23	0.39	0.28	0.41	0.69	0.43	0.35	0.32	0.26	0.27	0.23	
3	0.23	0.23	0.38	0.28	0.40	0.51	0.52	0.35	0.32	0.26	0.27	0.23	
4	0.23	0.23	0.44	0.29	0.38	0.65	0.44	0.34	0.32	0.26	0.27	0.23	
5	0.23	0.23	0.42	0.29	0.46	0.57	0.39	0.33	0.31	0.26	0.27	0.23	
6	0.23	0.39	0.45	0.29	0.46	0.44	0.36	0.33	0.31	0.26	0.27	0.23	
7	0.23	0.35	0.50	0.29	0.46	0.39	0.33	0.32	0.31	0.26	0.27	0.23	
8	0.23	0.38	0.41	0.28	0.39	0.39	0.44	0.31	0.30	0.26	0.27	0.23	
9	0.23	0.35	0.40	0.41	0.38	0.40	0.47	0.31	0.29	0.26	0.27	0.23	
10	0.23	0.37	0.39	0.33	0.36	0.38	0.40	0.37	0.28	0.26	0.27	0.23	
11	0.23	0.34	0.37	0.29	0.40	0.39	0.55	0.34	0.28	0.26	0.27	0.23	
12	0.23	0.31	0.68	0.29	0.47	0.38	0.49	0.34	0.28	0.26	0.27	0.23	
13	0.23	0.31	0.45	0.30	0.42	0.39	0.47	0.36	0.27	0.26	0.27	0.23	
14	0.23	0.32	0.40	0.30	0.40	0.36	0.44	0.35	0.27	0.25	0.27	0.23	
15	0.23	0.35	0.39	0.32	0.44	0.35	0.39	0.35	0.27	0.26	0.27	0.23	
16	0.23	0.42	0.38	0.32	0.45	0.35	0.37	0.39	0.27	0.27	0.27	0.23	
17	0.23	0.38	0.35	0.31	0.42	0.35	0.35	0.35	0.27	0.27	0.27	0.23	
18	0.23	0.36	0.34	0.31	0.41	0.34	0.35	0.35	0.25	0.27	0.27	0.23	
19	0.23	0.34	0.34	0.33	0.37	0.35	0.40	0.33	0.25	0.27	0.27	0.23	
20	0.23	0.34	0.33	0.33	0.37	0.34	0.43	0.32	0.25	0.28	0.27	0.23	
21	0.23	0.33	0.38	0.32	0.37	0.34	0.40	0.32	0.25	0.28	0.27	0.23	
22	0.23	0.37	0.38	0.31	0.39	0.37	0.34	0.32	0.25	0.28	0.26	0.23	
23	0.23	0.43	0.36	0.31	0.37	0.35	0.45	0.32	0.25	0.27	0.26	0.23	
24	0.23	0.35	0.35	0.30	0.37	0.35	0.41	0.32	0.25	0.26	0.26	0.23	
25	0.23	0.35	0.34	0.30	0.36	0.34	0.38	0.32	0.26	0.26	0.26	0.23	
26	0.23	0.35	0.31	0.30	0.36	0.35	0.36	0.32	0.26	0.25	0.26	0.23	
27	0.23	0.38	0.28	0.30	0.35	0.35	0.33	0.32	0.26	0.25	0.26	0.23	
28	0.23	0.38	0.28	0.30	0.35	0.35	0.33	0.32	0.26	0.25	0.26	0.23	
29	0.23	0.36	0.26	0.37	0.35	0.35	0.32	0.32	0.26	0.25		0.23	
30	0.23	0.35	0.28	0.41	0.35	0.37	0.34	0.32	0.26	0.25		0.23	
31		0.37		0.41	0.41		0.34		0.26	0.25		0.23	
MEAN	0.23	0.34	0.38	0.31	0.40	0.40	0.40	0.33	0.28	0.26	0.27	0.23	
MAX	0.23	0.43	0.68	0.41	0.47	0.69	0.55	0.39	0.32	0.28	0.27	0.23	0.69
MIN	0.23	0.23	0.26	0.28	0.35	0.34	0.32	0.31	0.25	0.25	0.26	0.23	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.24 M (A.D), AT 18.00 HOURS, ON SEP 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.29 M (A.D)
LEFT BANK ELEVATION 1.74 M (A.D)
RIGHT BANK ELEVATION 2.02 M (A.D), DRAINAGE AREA 74 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.114	0.006	0.376	0.482	0.641	0.114	0.062	0.002	0.004	0.000	
2	0.000	0.000	0.244	0.006	0.323	2.500	0.429	0.140	0.062	0.002	0.004	0.000	
3	0.000	0.000	0.218	0.006	0.270	0.880	0.960	0.140	0.062	0.002	0.004	0.000	
4	0.000	0.000	0.482	0.008	0.218	2.100	0.482	0.114	0.062	0.002	0.004	0.000	
5	0.000	0.000	0.376	0.008	0.588	1.360	0.244	0.088	0.036	0.002	0.004	0.000	
6	0.000	0.244	0.535	0.008	0.588	0.482	0.166	0.088	0.036	0.002	0.004	0.000	
7	0.000	0.140	0.800	0.008	0.588	0.244	0.088	0.062	0.036	0.002	0.004	0.000	
8	0.000	0.218	0.323	0.006	0.244	0.244	0.482	0.036	0.010	0.002	0.004	0.000	
9	0.000	0.140	0.270	0.323	0.218	0.270	0.641	0.036	0.008	0.002	0.004	0.000	
10	0.000	0.192	0.244	0.088	0.166	0.218	0.270	0.192	0.006	0.002	0.004	0.000	
11	0.000	0.114	0.192	0.008	0.270	0.244	1.200	0.114	0.006	0.002	0.004	0.000	
12	0.000	0.036	2.400	0.008	0.641	0.218	0.747	0.114	0.006	0.002	0.004	0.000	
13	0.000	0.036	0.535	0.010	0.376	0.244	0.641	0.166	0.004	0.002	0.004	0.000	
14	0.000	0.062	0.270	0.010	0.270	0.166	0.482	0.140	0.004	0.000	0.004	0.000	
15	0.000	0.140	0.244	0.062	0.482	0.140	0.244	0.140	0.004	0.002	0.004	0.000	
16	0.000	0.376	0.218	0.062	0.535	0.140	0.192	0.244	0.004	0.004	0.004	0.000	
17	0.000	0.218	0.140	0.036	0.376	0.140	0.140	0.140	0.004	0.004	0.004	0.000	
18	0.000	0.166	0.114	0.036	0.323	0.114	0.140	0.140	0.000	0.004	0.004	0.000	
19	0.000	0.114	0.114	0.088	0.192	0.140	0.270	0.088	0.000	0.004	0.004	0.000	
20	0.000	0.114	0.088	0.088	0.192	0.114	0.429	0.062	0.000	0.006	0.004	0.000	
21	0.000	0.088	0.218	0.062	0.192	0.114	0.270	0.062	0.000	0.006	0.004	0.000	
22	0.000	0.192	0.218	0.036	0.244	0.192	0.114	0.062	0.000	0.006	0.002	0.000	
23	0.000	0.429	0.166	0.036	0.192	0.140	0.535	0.062	0.000	0.004	0.002	0.000	
24	0.000	0.140	0.140	0.010	0.192	0.140	0.323	0.062	0.000	0.002	0.002	0.000	
25	0.000	0.140	0.114	0.010	0.166	0.114	0.218	0.062	0.002	0.002	0.002	0.000	
26	0.000	0.140	0.036	0.010	0.166	0.140	0.166	0.062	0.002	0.000	0.002	0.000	
27	0.000	0.218	0.006	0.010	0.140	0.140	0.088	0.062	0.002	0.000	0.002	0.000	
28	0.000	0.218	0.006	0.010	0.140	0.140	0.088	0.062	0.002	0.000	0.002	0.000	
29	0.000	0.166	0.002	0.192	0.140	0.140	0.062	0.062	0.002	0.000		0.000	
30	0.000	0.140	0.006	0.323	0.140	0.192	0.114	0.062	0.002	0.000		0.000	
31		0.192		0.323	0.323		0.114		0.002	0.000		0.000	
TOTAL	0.000	4.373	8.833	1.897	9.271	11.892	10.980	2.978	0.426	0.070	0.098	0.000	50.818 CMSDAY
MEAN	0.000	0.141	0.294	0.061	0.299	0.396	0.354	0.099	0.014	0.002	0.003	0.000	0.139 CMS
MAX	0.000	0.429	2.400	0.323	0.641	2.500	1.200	0.244	0.062	0.006	0.004	0.000	2.500 CMS
MIN	0.000	0.000	0.002	0.006	0.140	0.114	0.062	0.036	0.000	0.000	0.002	0.000	0.000 CMS
RUNOFF	0.000	0.378	0.763	0.164	0.801	1.027	0.949	0.257	0.037	0.006	0.008	0.000	4.391 MCM

MOMENTARY PEAK 10.45 CMS, AT 1.24 M (A.D), AT 18.00 HOURS, ON SEP 2, 1984
RUNOFF YIELD 1.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 141.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PING RIVER BASIN

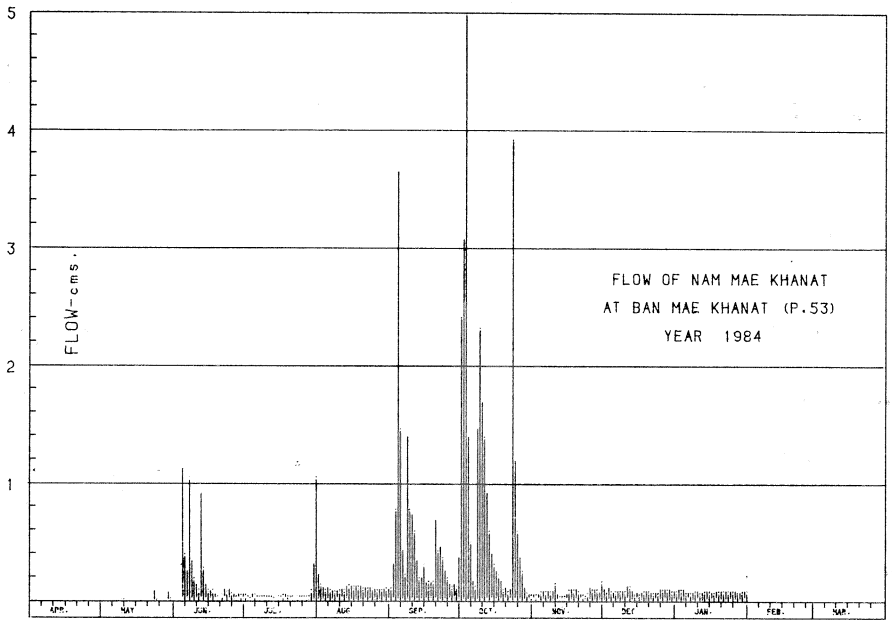
NAM MAE KHANAT AT BAN MAE KHANAT, LAMPHUN (P.53)

LOCATION	LAT. 18-23-11 N., LONG. 99-00-37 E., ON RIGHT BANK AT BAN MAE KHANAT, AMPHOE MAE THA, LAMPHUN.
DRAINAGE AREA	146 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 20 METERS NORTH OF THE TOP STAFF GAGE.
ELEVATION	+5.245 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW AFFECTED BY LOCAL RESIDENT WEIR ABOUT 300 METERS DOWNSTREAM FROM GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.39	0.50	0.52	0.62	0.56	0.99	0.52	0.55	0.54	0.40	0.40	
2	0.38	0.40	0.48	0.51	0.58	0.65	1.05	0.52	0.53	0.55	0.40	0.40	
3	0.35	0.39	0.48	0.50	0.56	0.77	1.21	0.52	0.56	0.55	0.40	0.40	
4	0.35	0.39	0.83	0.52	0.55	1.10	0.87	0.54	0.54	0.55	0.40	0.40	
5	0.36	0.40	0.68	0.52	0.56	0.88	0.71	0.54	0.53	0.53	0.40	0.40	
6	0.35	0.41	0.63	0.51	0.55	0.69	0.60	0.54	0.54	0.53	0.40	0.40	
7	0.40	0.42	0.82	0.51	0.54	0.62	0.57	0.54	0.54	0.53	0.40	0.40	
8	0.37	0.43	0.66	0.51	0.54	0.87	0.88	0.54	0.54	0.53	0.40	0.40	
9	0.38	0.45	0.61	0.51	0.54	0.77	0.98	0.54	0.54	0.54	0.40	0.40	
10	0.39	0.45	0.58	0.51	0.55	0.76	0.91	0.59	0.54	0.54	0.40	0.40	
11	0.39	0.45	0.55	0.51	0.55	0.73	0.87	0.52	0.57	0.53	0.40	0.40	
12	0.38	0.44	0.80	0.51	0.55	0.66	0.80	0.51	0.57	0.53	0.40	0.40	
13	0.40	0.41	0.64	0.50	0.57	0.61	0.73	0.51	0.54	0.54	0.40	0.40	
14	0.40	0.41	0.58	0.50	0.58	0.61	0.68	0.51	0.52	0.54	0.40	0.40	
15	0.39	0.40	0.55	0.51	0.57	0.65	0.65	0.52	0.53	0.54	0.40	0.40	
16	0.38	0.40	0.54	0.51	0.57	0.59	0.63	0.55	0.52	0.53	0.40	0.40	
17	0.39	0.42	0.55	0.52	0.57	0.60	0.62	0.55	0.53	0.53	0.40	0.40	
18	0.39	0.42	0.52	0.52	0.57	0.59	0.60	0.55	0.54	0.54	0.40	0.40	
19	0.38	0.42	0.51	0.51	0.57	0.60	0.55	0.55	0.54	0.54	0.40	0.40	
20	0.39	0.42	0.50	0.51	0.56	0.75	0.56	0.54	0.54	0.54	0.40	0.40	
21	0.39	0.41	0.52	0.51	0.56	0.69	0.54	0.52	0.53	0.54	0.40	0.40	
22	0.39	0.40	0.55	0.50	0.56	0.70	0.55	0.52	0.53	0.54	0.40	0.40	
23	0.40	0.54	0.54	0.51	0.56	0.67	1.12	0.51	0.53	0.54	0.40	0.40	
24	0.40	0.44	0.55	0.51	0.56	0.63	0.84	0.53	0.53	0.54	0.40	0.40	
25	0.39	0.43	0.53	0.51	0.55	0.61	0.73	0.56	0.55	0.54	0.40	0.40	
26	0.39	0.43	0.52	0.51	0.55	0.58	0.67	0.55	0.55	0.54	0.40	0.40	
27	0.39	0.44	0.51	0.51	0.55	0.57	0.63	0.55	0.55	0.53	0.40	0.40	
28	0.39	0.43	0.52	0.51	0.55	0.58	0.56	0.55	0.55	0.53	0.40	0.40	
29	0.38	0.53	0.52	0.55	0.55	0.57	0.53	0.53	0.55	0.54		0.40	
30	0.38	0.49	0.52	0.65	0.56	0.67	0.52	0.60	0.54	0.54		0.40	
31		0.48		0.82	0.55		0.52		0.54	0.54		0.40	
MEAN	0.38	0.43	0.58	0.53	0.56	0.68	0.73	0.54	0.54	0.54	0.40	0.40	
MAX	0.40	0.54	0.83	0.82	0.62	1.10	1.21	0.60	0.57	0.55	0.40	0.40	1.21
MIN	0.35	0.39	0.48	0.50	0.54	0.56	0.52	0.51	0.52	0.53	0.40	0.40	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.37 M (A.D), AT 6.00 HOURS, ON OCT 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.26 M (A.D)
LEFT BANK ELEVATION 5.98 M (A.D)
RIGHT BANK ELEVATION 8.82 M (A.D), DRAINAGE AREA 146 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.030	0.058	0.228	0.114	2.410	0.058	0.100	0.086	0.000	0.000	
2	0.000	0.000	0.024	0.044	0.142	0.315	3.075	0.058	0.072	0.100	0.000	0.000	
3	0.000	0.000	0.024	0.030	0.114	0.782	5.160	0.058	0.114	0.100	0.000	0.000	
4	0.000	0.000	1.124	0.058	0.100	3.650	1.396	0.086	0.086	0.100	0.000	0.000	
5	0.000	0.000	0.402	0.058	0.114	1.464	0.506	0.086	0.072	0.072	0.000	0.000	
6	0.000	0.003	0.257	0.044	0.100	0.431	0.170	0.086	0.086	0.072	0.000	0.000	
7	0.000	0.006	1.056	0.044	0.086	0.228	0.128	0.086	0.086	0.072	0.000	0.000	
8	0.000	0.009	0.344	0.044	0.086	1.396	1.464	0.086	0.086	0.072	0.000	0.000	
9	0.000	0.015	0.199	0.044	0.086	0.782	2.320	0.086	0.086	0.086	0.000	0.000	
10	0.000	0.015	0.142	0.044	0.100	0.736	1.690	0.156	0.086	0.086	0.000	0.000	
11	0.000	0.015	0.100	0.044	0.100	0.598	1.396	0.058	0.128	0.072	0.000	0.000	
12	0.000	0.012	0.920	0.044	0.100	0.344	0.920	0.044	0.128	0.072	0.000	0.000	
13	0.000	0.003	0.286	0.030	0.128	0.199	0.598	0.044	0.086	0.086	0.000	0.000	
14	0.000	0.003	0.142	0.030	0.142	0.199	0.402	0.044	0.058	0.086	0.000	0.000	
15	0.000	0.000	0.100	0.044	0.128	0.315	0.315	0.058	0.072	0.086	0.000	0.000	
16	0.000	0.000	0.086	0.044	0.128	0.156	0.257	0.100	0.058	0.072	0.000	0.000	
17	0.000	0.006	0.100	0.058	0.128	0.170	0.228	0.100	0.072	0.072	0.000	0.000	
18	0.000	0.006	0.058	0.058	0.128	0.156	0.170	0.100	0.086	0.086	0.000	0.000	
19	0.000	0.006	0.044	0.044	0.128	0.170	0.100	0.100	0.086	0.086	0.000	0.000	
20	0.000	0.006	0.030	0.044	0.114	0.690	0.114	0.086	0.086	0.086	0.000	0.000	
21	0.000	0.003	0.058	0.044	0.114	0.431	0.086	0.058	0.072	0.086	0.000	0.000	
22	0.000	0.000	0.100	0.030	0.114	0.460	0.100	0.058	0.072	0.086	0.000	0.000	
23	0.000	0.086	0.086	0.044	0.114	0.373	3.920	0.044	0.072	0.086	0.000	0.000	
24	0.000	0.012	0.100	0.044	0.114	0.257	1.192	0.072	0.072	0.086	0.000	0.000	
25	0.000	0.009	0.072	0.044	0.100	0.199	0.598	0.114	0.100	0.086	0.000	0.000	
26	0.000	0.009	0.058	0.044	0.100	0.142	0.373	0.100	0.100	0.086	0.000	0.000	
27	0.000	0.012	0.044	0.044	0.100	0.128	0.257	0.100	0.100	0.072	0.000	0.000	
28	0.000	0.009	0.058	0.044	0.100	0.142	0.114	0.100	0.100	0.072	0.000	0.000	
29	0.000	0.072	0.058	0.100	0.100	0.128	0.072	0.072	0.100	0.086		0.000	
30	0.000	0.027	0.058	0.315	0.114	0.373	0.058	0.170	0.086	0.086		0.000	
31		0.024		1.056	0.100		0.058		0.086	0.086		0.000	
TOTAL	0.000	0.368	6.160	2.717	3.550	15.528	29.647	2.468	2.694	2.568	0.000	0.000	65.700 CMSDAY
MEAN	0.000	0.012	0.205	0.088	0.115	0.518	0.956	0.082	0.087	0.083	0.000	0.000	0.180 CMS
MAX	0.000	0.086	1.124	1.056	0.228	3.650	5.160	0.170	0.128	0.100	0.000	0.000	5.160 CMS
MIN	0.000	0.000	0.024	0.030	0.086	0.114	0.058	0.044	0.058	0.072	0.000	0.000	0.000 CMS
RUNOFF	0.000	0.032	0.532	0.235	0.307	1.342	2.562	0.213	0.233	0.222	0.000	0.000	5.676 MCM

MOMENTARY PEAK 8.00 CMS, AT 1.37 M (A.D), AT 6.00 HOURS, ON OCT 3, 1984

RUNOFF YIELD 1.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 54.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

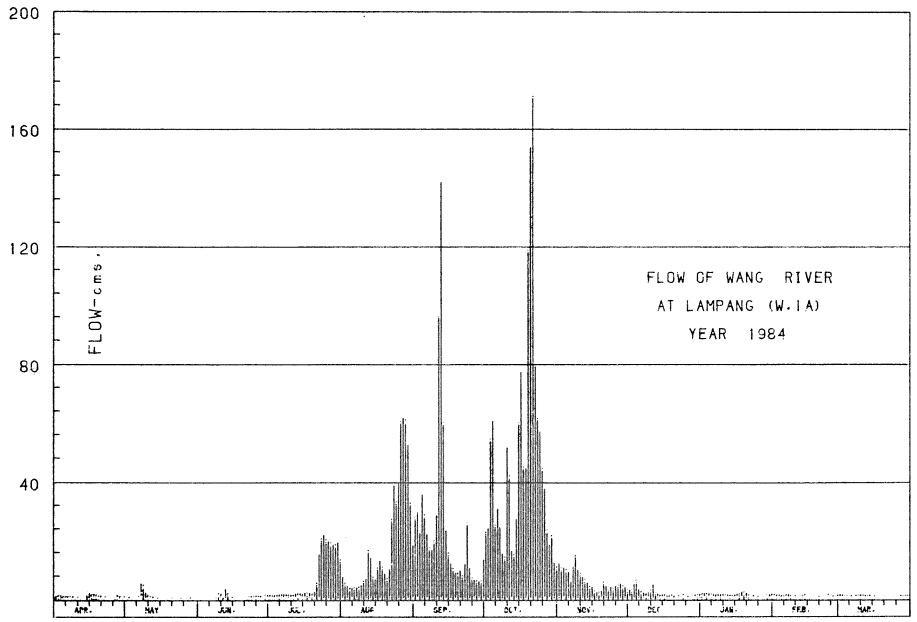
WANG RIVER AT LAMPANG, LAMPANG (W.1A)

LOCATION	LAT. 18-17-24 N., LONG. 99-29-40 E., ON LEFT BANK ABOUT 300 METERS UPSTREAM FROM PHATTHANA PHAK NUA 1, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	3,481 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+227.80 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+234.247 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 76 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	227.78	227.75	227.68	227.82	228.32	228.96	228.83	228.49	227.98	227.86	227.84	227.83	
2	227.81	227.73	227.68	227.80	228.19	229.00	228.86	228.44	227.99	227.87	227.81	227.81	
3	227.81	227.72	227.68	227.81	228.10	228.84	229.54	228.44	228.14	227.87	227.81	227.77	
4	227.78	227.73	227.68	227.82	228.04	229.15	229.66	228.42	228.26	227.86	227.78	227.78	
5	227.77	227.75	227.68	227.83	228.04	228.98	228.89	228.38	228.00	227.85	227.79	227.78	
6	227.77	227.78	227.66	227.85	228.06	228.81	229.03	228.30	227.94	227.83	227.82	227.78	
7	227.77	228.17	227.67	227.84	228.05	228.68	228.89	228.45	227.89	227.82	227.82	227.78	
8	227.76	228.14	227.72	227.84	228.08	228.65	228.61	228.59	227.86	227.83	227.80	227.79	
9	227.74	227.90	227.89	227.83	228.12	228.75	228.57	228.41	227.89	227.83	227.78	227.80	
10	227.74	227.83	227.86	227.82	228.24	228.97	229.48	228.37	228.00	227.83	227.78	227.81	
11	227.73	227.78	227.70	227.82	228.29	230.25	229.29	228.32	228.13	227.82	227.77	227.80	
12	227.73	227.75	228.01	227.86	228.65	230.84	228.64	228.28	227.92	227.82	227.81	227.79	
13	227.73	227.74	227.89	227.88	228.56	229.65	228.60	228.19	227.85	227.81	227.80	227.79	
14	227.95	227.71	227.77	227.88	228.32	228.84	228.94	228.09	227.81	227.79	227.83	227.80	
15	227.89	227.69	227.74	227.85	228.27	228.62	229.65	228.07	227.82	227.81	227.75	227.77	
16	227.85	227.70	227.72	227.89	228.44	228.49	229.98	227.97	227.83	227.84	227.76	227.76	
17	227.86	227.72	227.71	227.91	228.52	228.43	229.35	227.91	227.79	227.86	227.77	227.75	
18	227.84	227.75	227.69	227.89	228.45	228.37	229.34	227.93	227.78	227.91	227.80	227.75	
19	227.80	227.73	227.70	227.86	228.36	228.37	230.55	227.95	227.83	227.93	227.76	227.75	
20	227.79	227.70	227.72	227.92	228.30	228.40	230.98	228.22	227.77	227.87	227.75	227.76	
21	227.78	227.68	227.74	228.20	228.42	228.34	231.16	228.09	227.77	227.82	227.73	227.75	
22	227.76	227.68	227.77	228.60	228.94	228.48	230.01	228.07	227.79	227.79	227.74	227.75	
23	227.74	227.69	227.77	228.77	229.22	228.91	229.68	228.07	227.76	227.79	227.78	227.75	
24	227.73	227.70	227.78	228.80	229.09	228.43	229.59	228.04	227.84	227.78	227.83	227.75	
25	227.73	227.70	227.79	228.76	229.24	228.31	229.34	228.09	227.78	227.76	227.81	227.74	
26	227.82	227.70	227.78	228.74	229.66	228.26	229.20	228.13	227.75	227.75	227.77	227.75	
27	227.82	227.71	227.78	228.73	229.68	228.25	228.85	228.16	227.77	227.77	227.78	227.79	
28	227.78	227.71	227.80	228.71	229.67	228.22	228.71	228.11	227.81	227.79	227.80	227.78	
29	227.78	227.68	227.83	228.71	229.50	228.25	228.80	228.06	227.82	227.84		227.79	
30	227.76	227.67	227.82	228.73	229.08	228.54	228.50	227.99	227.83	227.82		227.79	
31		227.68		228.54	228.70		228.45		227.84	227.84		227.79	
MEAN	227.79	227.75	227.76	228.14	228.60	228.77	229.29	228.20	227.88	227.83	227.79	227.78	
MAX	227.95	228.17	228.01	228.80	229.68	230.84	231.16	228.59	228.26	227.93	227.84	227.83	231.16
MIN	227.73	227.67	227.66	227.80	228.04	228.22	228.45	227.91	227.75	227.75	227.73	227.74	227.66

ANNUAL MAX MOMENTARY GAGE HEIGHT 231.27 M (MSL), AT 2.00 HOURS, ON OCT 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 227.80 M (MSL), RIVER BED 226.82 M (MSL)
LEFT BANK ELEVATION 234.51 M (MSL)
RIGHT BANK ELEVATION 234.50 M (MSL), DRAINAGE AREA 3481 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.44	1.20	0.64	1.78	7.92	28.32	23.18	12.43	3.38	2.14	1.96	1.87	
2	1.69	1.04	0.64	1.60	5.88	29.90	24.37	11.08	3.49	2.23	1.69	1.69	
3	1.69	0.96	0.64	1.69	4.80	23.58	54.80	11.08	5.28	2.23	1.69	1.36	
4	1.44	1.04	0.64	1.78	4.08	35.83	60.80	10.54	6.84	2.14	1.44	1.44	
5	1.36	1.20	0.64	1.87	4.08	29.11	25.55	9.48	3.60	2.05	1.52	1.44	
6	1.36	1.44	0.48	2.05	4.32	22.39	31.08	7.40	2.94	1.87	1.78	1.44	
7	1.36	5.64	0.56	1.96	4.20	17.90	25.55	11.35	2.41	1.78	1.78	1.44	
8	1.28	5.28	0.96	1.96	4.56	17.00	15.80	15.22	2.14	1.87	1.60	1.52	
9	1.12	2.50	2.41	1.87	5.04	20.25	14.66	10.27	2.41	1.87	1.44	1.60	
10	1.12	1.87	2.14	1.78	6.56	28.72	51.80	9.22	3.60	1.87	1.44	1.69	
11	1.04	1.44	0.80	1.78	7.26	96.48	42.30	7.92	5.16	1.78	1.36	1.60	
12	1.04	1.20	3.72	2.14	17.00	141.90	16.70	7.12	2.72	1.78	1.69	1.52	
13	1.04	1.12	2.41	2.32	14.38	60.30	15.50	5.88	2.05	1.69	1.60	1.52	
14	3.05	0.88	1.36	2.32	7.92	23.58	27.53	4.68	1.69	1.52	1.87	1.60	
15	2.41	0.72	1.12	2.05	6.98	16.10	60.30	4.44	1.78	1.69	1.20	1.36	
16	2.05	0.80	0.96	2.41	11.08	12.43	77.48	3.27	1.87	1.96	1.28	1.28	
17	2.14	0.96	0.88	2.61	13.26	10.81	45.30	2.61	1.52	2.14	1.36	1.20	
18	1.96	1.20	0.72	2.41	11.35	9.22	44.80	2.83	1.44	2.61	1.60	1.20	
19	1.60	1.04	0.80	2.14	8.96	9.22	118.94	3.05	1.87	2.83	1.28	1.20	
20	1.52	0.80	0.96	2.72	7.40	10.00	153.80	6.28	1.36	2.23	1.20	1.28	
21	1.44	0.64	1.12	6.00	10.54	8.44	171.23	4.68	1.36	1.78	1.04	1.20	
22	1.28	0.64	1.36	15.50	27.53	12.16	79.32	4.44	1.52	1.52	1.12	1.20	
23	1.12	0.72	1.36	20.95	38.80	26.35	61.80	4.44	1.28	1.52	1.44	1.20	
24	1.04	0.80	1.44	22.00	33.45	10.81	57.30	4.08	1.96	1.44	1.87	1.20	
25	1.04	0.80	1.52	20.60	39.80	7.66	44.80	4.68	1.44	1.28	1.69	1.12	
26	1.78	0.80	1.44	19.90	60.80	6.84	37.80	5.16	1.20	1.20	1.36	1.20	
27	1.78	0.88	1.44	19.55	61.80	6.70	23.98	5.52	1.36	1.36	1.44	1.52	
28	1.44	0.88	1.60	18.85	61.30	6.28	18.85	4.92	1.69	1.52	1.60	1.44	
29	1.44	0.64	1.87	18.85	52.80	6.70	22.00	4.32	1.78	1.96		1.52	
30	1.28	0.56	1.78	19.55	33.06	13.82	12.70	3.49	1.87	1.78		1.52	
31		0.64		13.82	18.50		11.35		1.96	1.96		1.52	
TOTAL	45.35	40.33	38.41	236.81	595.41	748.80	1471.37	201.88	74.97	57.60	42.34	43.89	3597.16 CMSDAY
MEAN	1.51	1.30	1.28	7.64	19.21	24.96	47.46	6.73	2.42	1.86	1.51	1.42	9.86 CMS
MAX	3.05	5.64	3.72	22.00	61.80	141.90	171.23	15.22	6.84	2.83	1.96	1.87	171.23 CMS
MIN	1.04	0.56	0.48	1.60	4.08	6.28	11.35	2.61	1.20	1.20	1.04	1.12	0.48 CMS
RUNOFF	3.918	3.485	3.319	20.460	51.443	64.696	127.126	17.442	6.477	4.977	3.658	3.792	310.795 MCM

MOMENTARY PEAK 182.05 CMS, AT 231.27 M (MSL), AT 2.00 HOURS, ON OCT 21, 1984

RUNOFF YIELD 2.83 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 52.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

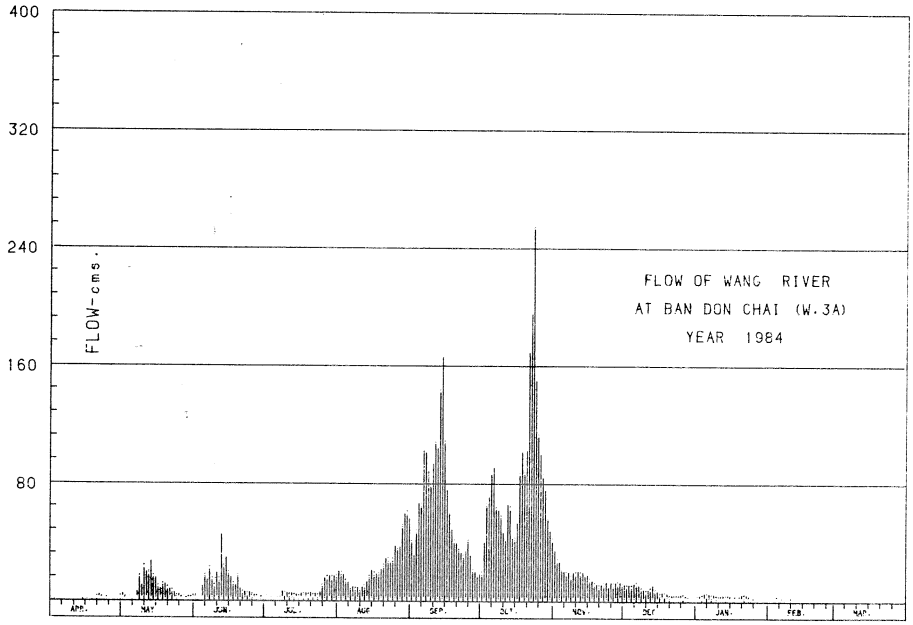
WANG RIVER AT BAN DON CHAI, LAMPANG (W.3A)

LOCATION	LAT. 17-38-29 N., LONG. 99-14-04 E., ON RIGHT BANK ABOUT 30 METERS UPSTREAM FROM SIRIYONG BRIDGE, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	8,985 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+161.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 NEAR AUTOMATIC GAGE BUILDING, B.M.2 ABOUT 15 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	B.M.1=+167.556 M.(M.S.L.), B.M.2=+167.074 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	161.27	161.42	161.41	161.39	161.98	162.36	161.99	162.24	161.65	161.38	161.34	161.22	
2	161.21	161.37	161.35	161.37	161.97	162.18	162.34	162.14	161.64	161.39	161.34	161.19	
3	161.21	161.36	161.35	161.36	161.86	162.47	162.75	162.10	161.64	161.42	161.36	161.21	
4	161.21	161.36	161.60	161.35	161.76	162.75	162.82	162.05	161.64	161.44	161.38	161.26	
5	161.23	161.35	161.87	161.35	161.69	162.75	163.08	162.00	161.66	161.45	161.35	161.29	
6	161.25	161.35	161.75	161.36	161.61	163.31	163.13	161.96	161.71	161.43	161.34	161.29	
7	161.26	161.47	162.05	161.36	161.59	163.33	162.71	161.92	161.62	161.43	161.33	161.28	
8	161.26	161.85	161.73	161.48	161.58	163.09	162.68	161.85	161.58	161.42	161.32	161.26	
9	161.26	161.62	161.65	161.48	161.57	162.95	162.62	161.92	161.53	161.40	161.34	161.28	
10	161.26	162.07	161.89	161.45	161.57	163.17	162.44	161.96	161.52	161.39	161.34	161.28	
11	161.27	161.91	161.80	161.44	161.58	163.39	162.38	162.00	161.52	161.39	161.32	161.28	
12	161.26	161.97	162.42	161.44	161.64	163.33	162.74	161.95	161.58	161.40	161.30	161.26	
13	161.26	162.11	162.07	161.43	161.71	163.83	162.72	161.92	161.63	161.40	161.29	161.26	
14	161.34	161.85	162.15	161.41	161.85	164.08	162.38	161.91	161.54	161.40	161.29	161.27	
15	161.32	161.79	161.97	161.40	162.01	163.40	162.39	161.85	161.49	161.39	161.27	161.27	
16	161.31	161.63	161.81	161.43	161.93	162.89	162.54	161.79	161.46	161.37	161.28	161.28	
17	161.29	161.54	161.69	161.45	161.87	162.67	163.07	161.73	161.46	161.38	161.28	161.28	
18	161.33	161.68	161.62	161.44	161.91	162.47	163.29	161.69	161.47	161.37	161.24	161.28	
19	161.35	161.65	161.87	161.44	162.02	162.37	163.08	161.65	161.44	161.38	161.21	161.26	
20	161.38	161.60	161.54	161.45	162.08	162.33	163.31	161.64	161.41	161.41	161.22	161.24	
21	161.40	161.53	161.50	161.43	162.14	162.26	164.13	161.64	161.40	161.43	161.23	161.23	
22	161.37	161.53	161.47	161.43	162.15	162.21	164.40	161.70	161.40	161.41	161.23	161.23	
23	161.36	161.45	161.47	161.43	162.09	162.18	165.01	161.70	161.40	161.38	161.19	161.25	
24	161.35	161.41	161.46	161.46	162.15	162.23	163.90	161.70	161.40	161.37	161.20	161.26	
25	161.31	161.41	161.44	161.65	162.30	162.37	163.46	161.69	161.41	161.34	161.19	161.25	
26	161.31	161.37	161.40	161.79	162.31	162.18	163.27	161.68	161.43	161.34	161.20	161.25	
27	161.32	161.38	161.40	161.84	162.29	162.02	163.06	161.69	161.39	161.35	161.18	161.25	
28	161.32	161.34	161.39	161.83	162.53	161.94	162.89	161.71	161.37	161.32	161.20	161.24	
29	161.33	161.37	161.37	161.84	162.64	161.90	162.61	161.69	161.33	161.31		161.22	
30	161.39	161.37	161.36	161.83	162.67	161.87	162.46	161.67	161.32	161.31		161.20	
31		161.40		161.86	162.59		162.38		161.35	161.33		161.42	
MEAN	161.30	161.56	161.66	161.51	161.99	162.68	162.97	161.84	161.50	161.38	161.28	161.26	
MAX	161.40	162.11	162.42	161.86	162.67	164.08	165.01	162.24	161.71	161.45	161.38	161.42	165.01
MIN	161.21	161.34	161.35	161.35	161.57	161.87	161.99	161.64	161.32	161.31	161.18	161.19	161.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 165.61 M (MSL), AT 9.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 161.00 M (MSL), RIVER BED 160.24 M (MSL)
LEFT BANK ELEVATION 171.25 M (MSL)
RIGHT BANK ELEVATION 171.22 M (MSL), DRAINAGE AREA 8985 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	4.60	4.30	3.70	20.30	41.37	20.40	34.50	11.50	3.40	2.20	0.60	
2	0.55	3.10	2.50	3.10	20.20	31.30	40.08	28.90	11.20	3.70	2.20	0.45	
3	0.55	2.80	2.50	2.80	18.10	48.46	66.52	26.50	11.20	4.60	2.80	0.55	
4	0.55	2.80	10.00	2.50	14.80	66.52	71.04	23.50	11.20	5.20	3.40	0.80	
5	0.65	2.50	18.45	2.50	12.70	66.52	87.81	20.50	11.80	5.50	2.50	0.95	
6	0.75	2.50	14.50	2.80	10.30	102.70	91.04	20.10	13.30	4.90	2.20	0.95	
7	0.80	6.10	23.50	2.80	9.70	104.10	63.95	19.70	10.60	4.90	1.90	0.90	
8	0.80	17.75	13.90	6.40	9.40	88.45	62.01	17.75	9.40	4.60	1.60	0.80	
9	0.80	10.60	11.50	6.40	9.10	79.42	58.14	19.70	7.90	4.00	2.20	0.90	
10	0.80	24.70	19.15	5.50	9.10	93.61	46.53	20.10	7.60	3.70	2.20	0.90	
11	0.85	19.60	16.00	5.20	9.40	108.30	42.66	20.50	7.60	3.70	1.60	0.90	
12	0.80	20.20	45.24	5.20	11.20	104.10	65.88	20.00	9.40	4.00	1.00	0.80	
13	0.80	27.10	24.70	4.90	13.30	143.70	64.59	19.70	10.90	4.00	0.95	0.80	
14	2.20	17.75	29.50	4.30	17.75	166.20	42.66	19.60	8.20	4.00	0.95	0.85	
15	1.60	15.70	20.20	4.00	21.10	109.00	43.30	17.75	6.70	3.70	0.85	0.85	
16	1.30	10.90	16.35	4.90	19.80	75.55	52.98	15.70	5.80	3.10	0.90	0.90	
17	0.95	8.20	12.70	5.50	18.45	61.36	87.17	13.90	5.80	3.40	0.90	0.90	
18	1.90	12.40	10.60	5.20	19.60	48.46	101.35	12.70	6.10	3.10	0.70	0.90	
19	2.50	11.50	18.45	5.20	21.70	42.01	87.81	11.50	5.20	3.40	0.55	0.80	
20	3.40	10.00	8.20	5.50	25.30	39.43	102.70	11.20	4.30	4.30	0.60	0.70	
21	4.00	7.90	7.00	4.90	28.90	35.50	170.70	11.20	4.00	4.90	0.65	0.65	
22	3.10	7.90	6.10	4.90	29.50	33.00	195.50	13.00	4.00	4.30	0.65	0.65	
23	2.80	5.50	6.10	4.90	25.90	31.30	254.50	13.00	4.00	3.40	0.45	0.75	
24	2.50	4.30	5.80	5.80	29.50	34.00	150.00	13.00	4.00	3.10	0.50	0.80	
25	1.30	4.30	5.20	11.50	37.50	42.01	113.50	12.70	4.30	2.20	0.45	0.75	
26	1.30	3.10	4.00	15.70	38.14	31.30	100.07	12.40	4.90	2.20	0.50	0.75	
27	1.60	3.40	4.00	17.40	37.00	21.70	86.52	12.70	3.70	2.50	0.40	0.75	
28	1.60	2.20	3.70	17.05	52.33	19.90	75.55	13.30	3.10	1.60	0.50	0.70	
29	1.90	3.10	3.10	17.40	59.43	19.50	57.49	12.70	1.90	1.30		0.60	
30	3.70	3.10	2.80	17.05	61.36	18.45	47.82	12.10	1.60	1.30		0.50	
31		4.00		18.10	56.20		42.66		2.50	1.90		4.60	
TOTAL	47.20	279.60	370.04	223.10	767.06	1907.22	2592.93	519.90	213.70	109.90	36.30	27.70	7094.65 CMSDAY
MEAN	1.57	9.02	12.33	7.20	24.74	63.57	83.64	17.33	6.89	3.55	1.30	0.89	19.44 CMS
MAX	4.00	27.10	45.24	18.10	61.36	166.20	254.50	34.50	13.30	5.50	3.40	4.60	254.50 CMS
MIN	0.55	2.20	2.50	2.50	9.10	18.45	20.40	11.20	1.60	1.30	0.40	0.45	0.40 CMS
RUNOFF	4.078	24.157	31.971	19.276	66.274	164.784	224.029	44.919	18.464	9.495	3.136	2.393	612.978 MCM

MOMENTARY PEAK 314.50 CMS, AT 165.61 M (MSL), AT 9.00 HOURS, ON OCT 23, 1984
RUNOFF YIELD 2.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 35.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

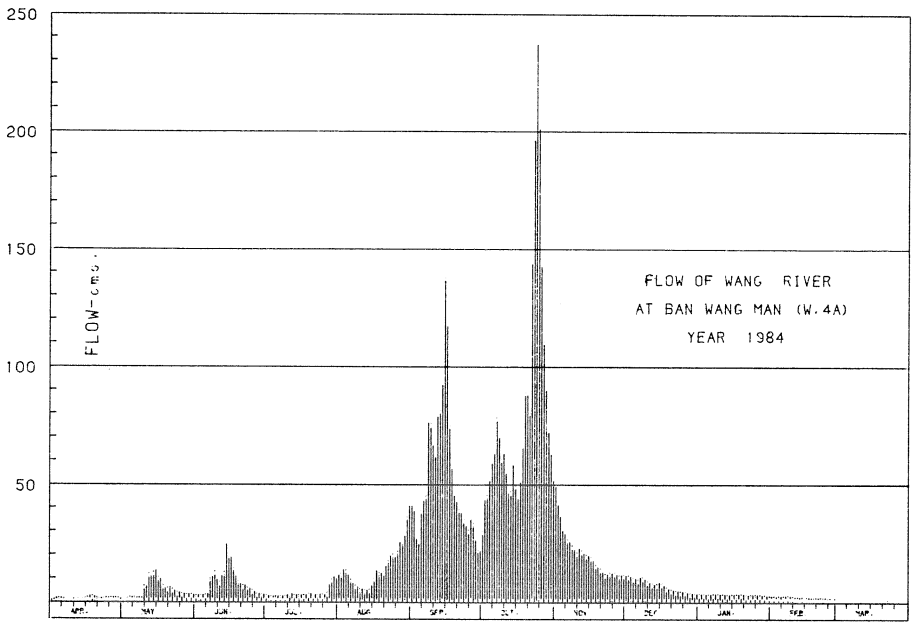
WANG RIVER AT BAN WANG MAN, TAK (W.4A)

LOCATION	LAT. 17-12-22 N., LONG. 99-06-08 E., ON RIGHT BANK ABOUT 200 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	10,507 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+130.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF WAT WANG MAN.
ELEVATION	+136.071 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. UPSTREAM STATE DIVERSIONS FOR IRRIGATION ABOUT 12,320 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	130.71	130.75	130.91	130.92	131.39	132.31	132.00	132.48	131.38	130.98	130.88	130.76	
2	130.72	130.75	130.91	130.89	131.42	132.22	132.34	132.32	131.37	130.97	130.87	130.75	
3	130.80	130.79	130.91	130.87	131.50	131.95	132.39	132.16	131.36	130.97	130.86	130.74	
4	130.80	130.83	130.92	130.87	131.49	131.86	132.54	132.05	131.33	130.96	130.87	130.74	
5	130.79	130.83	130.94	130.87	131.39	132.22	132.75	131.98	131.32	130.96	130.88	130.75	
6	130.76	130.83	130.96	130.87	131.29	132.33	132.83	131.92	131.29	130.96	130.88	130.76	
7	130.71	130.81	131.32	130.87	131.21	132.38	133.19	131.89	131.34	130.97	130.89	130.76	
8	130.70	130.81	131.35	130.87	131.17	133.15	133.00	131.84	131.34	130.97	130.89	130.77	
9	130.72	130.81	131.46	130.89	131.13	133.14	132.77	131.78	131.30	130.97	130.89	130.77	
10	130.73	131.16	131.29	130.92	131.10	132.92	132.83	131.74	131.26	130.96	130.86	130.77	
11	130.73	131.14	131.24	130.99	131.09	132.82	132.65	131.80	131.23	130.95	130.84	130.73	
12	130.74	131.41	131.37	130.97	131.07	133.20	132.41	131.77	131.21	130.95	130.83	130.75	
13	130.74	131.35	131.45	130.93	131.06	133.25	132.43	131.73	131.19	130.94	130.84	130.75	
14	130.75	131.45	131.86	130.93	131.08	133.47	132.71	131.71	131.20	130.94	130.84	130.75	
15	130.79	131.48	131.71	130.92	131.16	134.23	132.49	131.70	131.23	130.95	130.83	130.75	
16	130.83	131.34	131.67	130.92	131.32	133.89	132.35	131.68	131.21	130.95	130.82	130.75	
17	130.88	131.30	131.52	130.93	131.48	133.12	132.55	131.63	131.17	130.96	130.82	130.75	
18	130.88	131.17	131.36	130.93	131.44	132.67	132.89	131.57	131.13	130.96	130.81	130.75	
19	130.85	131.10	131.25	130.98	131.43	132.42	133.40	131.54	131.10	130.96	130.81	130.76	
20	130.82	131.11	131.20	130.97	131.46	132.32	133.38	131.52	131.08	130.96	130.81	130.77	
21	130.78	131.13	131.17	130.93	131.55	132.24	133.23	131.45	131.07	130.93	130.81	130.77	
22	130.77	131.09	131.17	130.93	131.63	132.20	134.33	131.41	131.05	130.91	130.81	130.77	
23	130.79	131.05	131.12	130.94	131.70	132.13	135.22	131.41	131.05	130.93	130.81	130.77	
24	130.81	131.02	131.10	130.95	131.72	132.06	135.79	131.44	131.04	130.94	130.81	130.77	
25	130.81	131.01	131.07	130.94	131.68	132.02	135.29	131.43	131.04	130.94	130.79	130.75	
26	130.82	130.99	131.03	130.93	131.76	132.13	134.31	131.44	131.03	130.93	130.78	130.73	
27	130.82	130.97	130.99	131.01	131.89	132.09	133.78	131.40	131.01	130.93	130.78	130.74	
28	130.82	130.95	130.97	131.18	131.90	131.91	133.42	131.38	131.00	130.91	130.78	130.75	
29	130.81	130.96	130.96	131.30	131.96	131.77	133.09	131.39	131.00	130.91		130.74	
30	130.75	130.96	130.94	131.35	132.16	131.76	132.82	131.39	130.99	130.89		130.73	
31		130.93		131.38	132.28		132.57		130.98	130.88		130.73	
MEAN	130.78	131.04	131.20	130.97	131.48	132.54	133.15	131.70	131.17	130.94	130.84	130.75	
MAX	130.88	131.48	131.86	131.38	132.28	134.23	135.79	132.48	131.38	130.98	130.89	130.77	135.79
MIN	130.70	130.75	130.91	130.87	131.06	131.76	132.00	131.38	130.98	130.88	130.78	130.73	130.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.80 M (MSL), AT 15.00 HOURS, ON OCT 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 130.00 M (MSL), RIVER BED 130.28 M (MSL)
LEFT BANK ELEVATION 136.01 M (MSL)
RIGHT BANK ELEVATION 136.69 M (MSL), DRAINAGE AREA 10507 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.10	1.50	3.10	3.20	11.80	42.40	30.00	49.20	11.60	3.80	2.80	1.60	
2	1.20	1.50	3.10	2.90	12.40	38.80	43.60	42.80	11.40	3.70	2.70	1.50	
3	2.00	1.90	3.10	2.70	14.00	28.00	45.60	36.40	11.20	3.70	2.60	1.40	
4	2.00	2.30	3.20	2.70	13.80	24.80	51.60	32.00	10.60	3.60	2.70	1.40	
5	1.90	2.30	3.40	2.70	11.80	38.80	60.00	29.20	10.40	3.60	2.80	1.50	
6	1.60	2.30	3.60	2.70	9.80	43.20	63.20	26.80	9.80	3.60	2.80	1.60	
7	1.10	2.10	10.40	2.70	8.20	45.20	78.50	25.70	10.80	3.70	2.90	1.60	
8	1.00	2.10	11.00	2.70	7.40	76.50	70.00	24.20	10.80	3.70	2.90	1.70	
9	1.20	2.10	13.20	2.90	6.60	76.00	60.80	22.40	10.00	3.70	2.90	1.70	
10	1.30	7.20	9.80	3.20	6.00	66.80	63.20	21.20	9.20	3.60	2.60	1.70	
11	1.30	6.80	8.80	3.90	5.80	62.80	56.00	23.00	8.60	3.50	2.40	1.30	
12	1.40	12.20	11.40	3.70	5.40	79.00	46.40	22.10	8.20	3.50	2.30	1.50	
13	1.40	11.00	13.00	3.30	5.20	81.50	47.20	20.90	7.80	3.40	2.40	1.50	
14	1.50	13.00	24.80	3.30	5.60	92.50	58.40	20.30	8.00	3.40	2.40	1.50	
15	1.90	13.60	20.30	3.20	7.20	137.80	49.60	20.00	8.60	3.50	2.30	1.50	
16	2.30	10.80	19.10	3.20	10.40	117.40	44.00	19.40	8.20	3.50	2.20	1.50	
17	2.80	10.00	14.60	3.30	13.60	75.00	52.00	17.90	7.40	3.60	2.20	1.50	
18	2.80	7.40	11.20	3.30	12.80	56.80	65.60	16.10	6.60	3.60	2.10	1.50	
19	2.50	6.00	9.00	3.80	12.60	46.80	89.00	15.20	6.00	3.60	2.10	1.60	
20	2.20	6.20	8.00	3.70	13.20	42.80	88.00	14.60	5.60	3.60	2.10	1.70	
21	1.80	6.60	7.40	3.30	15.50	39.60	80.50	13.00	5.40	3.30	2.10	1.70	
22	1.70	5.80	7.40	3.30	17.90	38.00	143.80	12.20	5.00	3.10	2.10	1.70	
23	1.90	5.00	6.40	3.40	20.00	35.20	197.40	12.20	5.00	3.30	2.10	1.70	
24	2.10	4.40	6.00	3.50	20.60	32.40	237.30	12.80	4.80	3.40	2.10	1.70	
25	2.10	4.20	5.40	3.40	19.40	30.80	202.30	12.60	4.80	3.40	1.90	1.50	
26	2.20	3.90	4.60	3.30	21.80	35.20	142.60	12.80	4.60	3.30	1.80	1.30	
27	2.20	3.70	3.90	4.20	25.70	33.60	110.80	12.00	4.20	3.30	1.80	1.40	
28	2.20	3.50	3.70	7.60	26.00	26.40	90.00	11.60	4.00	3.10	1.80	1.50	
29	2.10	3.60	3.60	10.00	28.40	22.10	73.60	11.80	4.00	3.10		1.40	
30	1.50	3.60	3.40	11.00	36.40	21.80	62.80	11.80	3.90	2.90		1.30	
31		3.30		11.60	41.20		52.80		3.80	2.80		1.30	
TOTAL	54.30	169.90	255.90	127.70	466.50	1588.00	2556.60	622.20	230.30	106.90	65.90	47.30	6291.50 CMSDAY
MEAN	1.81	5.48	8.53	4.12	15.05	52.93	82.47	20.74	7.43	3.45	2.35	1.53	17.24 CMS
MAX	2.80	13.60	24.80	11.60	41.20	137.80	237.30	49.20	11.60	3.80	2.90	1.70	237.30 CMS
MIN	1.00	1.50	3.10	2.70	5.20	21.80	30.00	11.60	3.80	2.80	1.80	1.30	1.00 CMS
RUNOFF	4.692	14.679	22.110	11.033	40.306	137.203	220.890	53.758	19.898	9.236	5.694	4.087	543.586 MCM

MOMENTARY PEAK 238.00 CMS, AT 135.80 M (MSL), AT 15.00 HOURS, ON OCT 24, 1984

RUNOFF YIELD 1.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

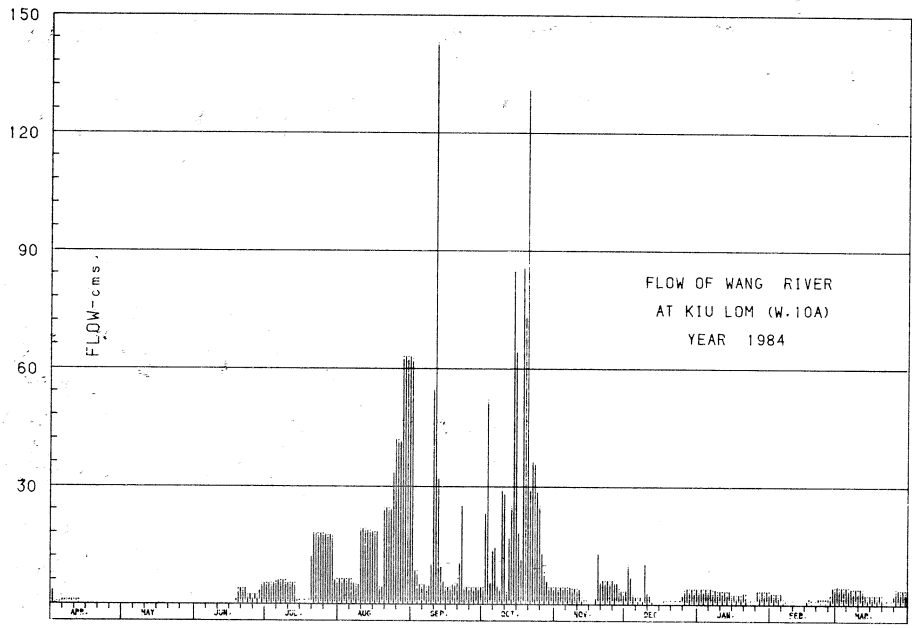
WANG RIVER AT KIU LOM, LAMPANG (W.10A)

LOCATION	LAT. 18-31-16 N., LONG. 99-37-52 E., ON LEFT BANK ABOUT 800 METERS DOWNSTREAM FROM KIU LOM DAMSITE, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	2,798 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+258.961 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+265.511 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY KIU LOM DAM. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	258.97	258.80	258.78	259.03	259.06	260.16	259.00	259.00	258.97	258.99	258.95	259.01	
2	258.82	258.79	258.72	259.03	259.06	259.12	259.48	259.00	259.17	258.99	258.95	259.00	
3	258.84	258.80	258.72	259.03	259.06	259.12	260.00	259.00	259.07	258.99	258.95	259.00	
4	258.84	258.79	258.72	259.03	259.06	259.02	259.03	259.00	258.96	258.99	258.95	259.00	
5	258.89	258.79	258.72	259.04	259.06	259.02	259.28	259.00	258.92	258.99	258.95	259.00	
6	258.89	258.79	258.72	259.05	259.06	259.02	259.28	259.00	258.92	258.99	258.91	259.00	
7	258.89	258.79	258.72	259.05	259.03	259.00	259.03	259.00	258.92	258.98	258.89	258.99	
8	258.89	258.79	258.72	259.05	259.02	259.01	258.97	258.99	258.92	258.98	258.89	258.99	
9	258.89	258.79	258.72	259.05	259.02	259.18	259.61	258.99	259.17	258.97	258.89	258.99	
10	258.89	258.79	258.72	259.03	259.40	260.04	259.58	258.99	258.97	258.97	258.89	258.99	
11	258.89	258.79	258.72	259.03	259.40	261.09	258.96	258.98	258.93	258.97	258.89	258.99	
12	258.89	258.79	258.73	259.03	259.40	259.66	259.34	258.92	258.84	258.97	258.85	258.99	
13	258.78	258.79	258.73	259.03	259.39	259.17	259.52	258.89	258.84	258.97	258.82	258.94	
14	258.78	258.79	258.73	258.89	259.39	259.04	260.46	258.89	258.84	258.97	258.81	258.94	
15	258.78	258.86	258.72	258.89	259.38	259.00	260.20	258.84	258.84	258.94	258.81	258.94	
16	258.78	258.80	258.72	258.89	259.38	259.00	259.37	258.84	258.84	258.94	258.91	258.94	
17	258.81	258.80	258.72	258.89	259.38	259.00	259.22	258.84	258.88	258.94	258.91	258.94	
18	258.81	258.80	258.90	258.89	259.00	259.02	260.47	258.93	258.89	258.94	258.90	258.94	
19	258.81	258.80	258.99	258.90	259.00	259.03	260.32	259.24	258.89	258.94	258.88	258.94	
20	258.81	258.80	258.99	259.22	259.51	259.03	260.97	259.05	258.89	258.95	258.88	258.94	
21	258.81	258.80	258.99	259.37	259.51	259.19	259.61	259.05	258.89	258.95	258.91	258.89	
22	258.81	258.80	258.99	259.37	259.51	259.52	259.74	259.05	258.89	258.89	258.91	258.89	
23	258.81	258.80	258.94	259.37	259.50	259.00	259.74	259.05	258.89	258.89	258.91	258.89	
24	258.81	258.80	258.94	259.37	259.70	259.00	259.59	259.05	258.89	258.89	258.91	258.89	
25	258.81	258.80	258.94	259.37	259.84	259.00	259.52	259.05	258.93	258.89	258.91	258.93	
26	258.81	258.80	258.94	259.36	259.84	259.00	259.24	259.05	258.98	258.97	258.94	258.99	
27	258.81	258.80	258.94	259.36	259.83	259.00	259.11	259.03	258.99	258.97	259.00	258.98	
28	258.80	258.80	258.97	259.36	260.17	259.00	259.04	258.99	258.99	258.97	259.00	258.98	
29	258.80	258.80	259.03	259.35	260.17	259.00	259.00	258.97	258.99	258.97		258.98	
30	258.80	258.80	259.03	259.05	260.17	259.00	259.00	258.97	258.99	258.97		258.98	
31		258.80		259.06	260.17		259.00		258.99	258.97		258.98	
MEAN	258.83	258.80	258.83	259.11	259.43	259.21	259.51	258.99	258.94	258.96	258.91	258.96	
MAX	258.97	258.86	259.03	259.37	260.17	261.09	260.97	259.24	259.17	258.99	259.00	259.01	261.09
MIN	258.78	258.79	258.72	258.89	259.00	259.00	258.96	258.84	258.84	258.89	258.81	258.89	258.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 261.34 M (MSL), AT 9.00 HOURS, ON SEP 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 258.96 M (MSL), RIVER BED 258.00 M (MSL)
LEFT BANK ELEVATION 269.60 M (MSL)
RIGHT BANK ELEVATION 269.21 M (MSL), DRAINAGE AREA 2798 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.35	0.16	0.13	5.35	6.40	62.40	4.30	4.30	3.35	3.98	2.71	4.65	
2	0.35	0.14	0.03	5.35	6.40	8.50	23.04	4.30	10.25	3.98	2.71	4.30	
3	0.54	0.16	0.03	5.35	6.40	8.50	52.00	4.30	6.75	3.98	2.71	4.30	
4	0.54	0.14	0.03	5.35	6.40	5.00	5.35	4.30	3.03	3.98	2.71	4.30	
5	1.02	0.14	0.03	5.70	6.40	5.00	14.34	4.30	1.76	3.98	2.71	4.30	
6	1.02	0.14	0.03	6.05	6.40	5.00	14.34	4.30	1.76	3.98	1.44	4.30	
7	1.02	0.14	0.03	6.05	5.35	4.30	5.35	4.30	1.76	3.66	1.02	3.98	
8	1.02	0.14	0.03	6.05	5.00	4.65	3.35	3.98	1.76	3.66	1.02	3.98	
9	1.02	0.14	0.03	6.05	5.00	10.60	29.50	3.98	10.25	3.35	1.02	3.98	
10	1.02	0.14	0.03	5.35	19.20	54.60	28.00	3.98	3.35	3.35	1.02	3.98	
11	1.02	0.14	0.03	5.35	19.20	143.00	3.03	3.66	2.07	3.35	1.02	3.98	
12	1.02	0.14	0.05	5.35	19.20	32.00	16.74	1.76	0.54	3.35	0.64	3.98	
13	0.13	0.14	0.05	5.35	18.79	10.25	25.00	1.02	0.54	3.35	0.35	2.39	
14	0.13	0.14	0.05	1.02	18.79	5.70	84.80	1.02	0.54	3.35	0.26	2.39	
15	0.13	0.74	0.03	1.02	18.38	4.30	65.00	0.54	0.54	2.39	0.26	2.39	
16	0.13	0.16	0.03	1.02	18.38	4.30	17.97	0.54	0.54	2.39	1.44	2.39	
17	0.26	0.16	0.03	1.02	18.38	4.30	12.06	0.54	0.93	2.39	1.44	2.39	
18	0.26	0.16	1.12	1.02	4.30	5.00	85.60	2.07	1.02	2.39	1.12	2.39	
19	0.26	0.16	3.98	1.12	4.30	5.35	73.60	12.82	1.02	2.39	0.93	2.39	
20	0.26	0.16	3.98	12.06	24.50	5.35	131.00	6.05	1.02	2.71	0.93	2.39	
21	0.26	0.16	3.98	17.97	24.50	10.95	29.50	6.05	1.02	2.71	1.44	1.02	
22	0.26	0.16	3.98	17.97	24.50	25.00	36.20	6.05	1.02	1.02	1.44	1.02	
23	0.26	0.16	2.39	17.97	24.00	4.30	36.20	6.05	1.02	1.02	1.44	1.02	
24	0.26	0.16	2.39	17.97	34.00	4.30	28.50	6.05	1.02	1.02	1.44	1.02	
25	0.26	0.16	2.39	17.97	41.90	4.30	25.00	6.05	2.07	1.02	1.44	2.07	
26	0.26	0.16	2.39	17.56	41.90	4.30	12.82	6.05	3.66	3.35	2.39	3.98	
27	0.26	0.16	2.39	17.56	41.30	4.30	8.15	5.35	3.98	3.35	4.30	3.66	
28	0.16	0.16	3.35	17.56	63.05	4.30	5.70	3.98	3.98	3.35	4.30	3.66	
29	0.16	0.16	5.35	17.15	63.05	4.30	4.30	3.35	3.98	3.35		3.66	
30	0.16	0.16	5.35	6.05	63.05	4.30	4.30	3.35	3.98	3.35		3.66	
31		0.16		6.40	63.05		4.30		3.98	3.35		3.66	
TOTAL	16.80	5.30	43.71	263.11	721.47	458.45	889.34	124.39	82.49	92.85	45.65	97.58	2841.14 CMSDAY
MEAN	0.56	0.17	1.46	8.49	23.27	15.28	28.69	4.15	2.66	3.00	1.63	3.15	7.78 CMS
MAX	3.35	0.74	5.35	17.97	63.05	143.00	131.00	12.82	10.25	3.98	4.30	4.65	143.00 CMS
MIN	0.13	0.14	0.03	1.02	4.30	4.30	3.03	0.54	0.54	1.02	0.26	1.02	0.03 CMS
RUNOFF	1.452	0.458	3.777	22.733	62.335	39.610	76.839	10.747	7.127	8.022	3.944	8.431	245.474 MCM

MOMENTARY PEAK 168.70 CMS, AT 261.34 M (MSL), AT 9.00 HOURS, ON SEP 11, 1984

RUNOFF YIELD 2.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 60.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

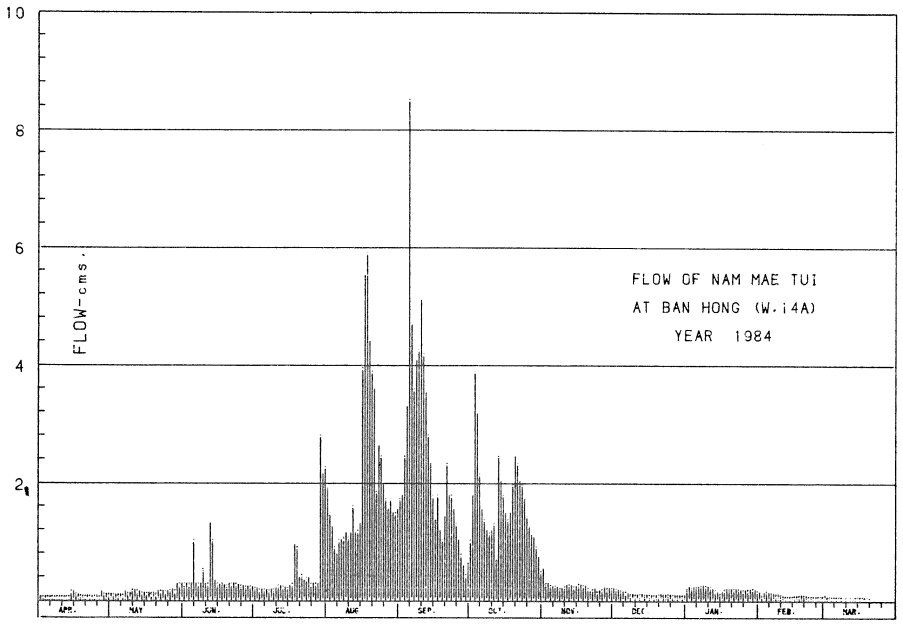
NAM MAE TUI AT BAN HONG, LAMPANG (W.14A)

LOCATION	LAT. 18-26-17 N., LONG. 99-27-58 E., ON RIGHT BANK AT BAN HONG, TAMBON BAN AIEM, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	649 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+257.670 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 7.00 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+261.325 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 46 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	257.78	257.82	258.02	257.93	258.42	258.39	258.26	258.15	257.92	257.91	257.85	257.80	
2	257.78	257.82	258.01	257.92	258.35	258.40	258.40	258.09	257.91	257.94	257.80	257.76	
3	257.78	257.81	258.00	257.90	258.31	258.51	258.75	258.01	257.89	257.93	257.84	257.76	
4	257.78	257.81	258.08	257.90	258.23	258.65	258.63	257.97	257.88	257.94	257.87	257.76	
5	257.78	257.81	258.26	257.90	258.20	259.32	258.46	257.95	257.86	257.94	257.84	257.76	
6	257.78	257.81	258.04	257.89	258.26	258.87	258.36	257.96	257.86	257.95	257.84	257.76	
7	257.78	257.86	258.05	257.89	258.26	258.70	258.33	257.94	257.83	257.96	257.83	257.76	
8	257.78	257.84	258.08	257.90	258.27	258.78	258.30	257.92	257.82	257.97	257.82	257.76	
9	257.78	257.84	258.15	257.90	258.29	258.81	258.29	257.92	257.82	257.96	257.82	257.75	
10	257.78	257.90	258.04	257.92	258.27	258.93	258.30	257.95	257.81	257.95	257.81	257.75	
11	257.78	257.89	258.02	257.97	258.29	258.80	258.32	257.97	257.81	257.94	257.79	257.75	
12	257.78	257.88	258.32	257.96	258.37	258.69	258.18	257.98	257.82	257.91	257.77	257.75	
13	257.78	257.86	258.26	257.95	258.29	258.57	258.51	257.97	257.82	257.89	257.77	257.75	
14	257.88	257.85	258.11	257.93	258.30	258.49	258.44	257.95	257.81	257.85	257.78	257.75	
15	257.86	257.84	258.01	257.93	258.32	258.40	258.40	257.95	257.81	257.83	257.78	257.76	
16	257.83	257.84	257.98	257.96	258.76	258.33	258.35	257.99	257.81	257.86	257.79	257.76	
17	257.81	257.84	258.05	258.00	258.99	258.40	258.33	257.98	257.80	257.90	257.79	257.76	
18	257.80	257.84	257.97	258.24	259.04	258.30	258.35	257.97	257.80	257.91	257.80	257.75	
19	257.79	257.84	257.97	258.23	258.83	258.26	258.43	257.96	257.80	257.91	257.80	257.75	
20	257.79	257.83	258.02	258.12	258.75	258.34	258.51	257.92	257.81	257.91	257.80	257.74	
21	257.79	257.87	258.01	258.13	258.70	258.49	258.49	257.86	257.82	257.91	257.79	257.74	
22	257.79	257.88	258.01	258.11	258.41	258.40	258.44	257.90	257.81	257.91	257.78	257.74	
23	257.78	257.87	258.00	258.12	258.54	258.40	258.43	257.91	257.81	257.91	257.78	257.74	
24	257.79	257.87	257.98	258.12	258.51	258.36	258.39	257.86	257.82	257.89	257.78	257.74	
25	257.79	257.87	257.97	258.10	258.43	258.32	258.34	257.88	257.81	257.89	257.77	257.74	
26	257.78	257.89	257.96	258.08	258.39	258.26	258.31	257.90	257.81	257.89	257.77	257.74	
27	257.86	257.90	257.95	258.06	258.36	258.20	258.29	257.93	257.80	257.90	257.77	257.74	
28	257.83	257.89	257.95	258.05	258.39	258.16	258.27	257.92	257.80	257.90	257.77	257.74	
29	257.82	257.99	257.95	258.57	258.35	258.13	258.23	257.92	257.80	257.91		257.74	
30	257.82	258.02	257.94	258.46	258.35	258.17	258.19	257.92	257.80	257.89		257.74	
31		258.02		258.48	258.36		258.14		257.80	257.88		257.74	
MEAN	257.80	257.87	258.04	258.05	258.44	258.49	258.37	257.95	257.82	257.91	257.80	257.75	
MAX	257.88	258.02	258.32	258.57	259.04	259.32	258.75	258.15	257.92	257.97	257.87	257.80	259.32
MIN	257.78	257.81	257.94	257.89	258.20	258.13	258.14	257.86	257.80	257.83	257.77	257.74	257.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 259.44 M (MSL), AT 6.00 HOURS, ON SEP 5, 1984
ZERO GAGE AT BOTTOM ELEVATION 257.67 M (MSL), RIVER BED 257.88 M (MSL)
LEFT BANK ELEVATION 262.25 M (MSL)
RIGHT BANK ELEVATION 262.19 M (MSL), DRAINAGE AREA 649 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.12	0.30	0.23	1.92	1.74	1.04	0.55	0.22	0.21	0.15	0.10	
2	0.08	0.12	0.30	0.22	1.50	1.80	1.80	0.30	0.21	0.24	0.10	0.07	
3	0.08	0.11	0.30	0.20	1.26	2.46	3.90	0.30	0.19	0.23	0.14	0.07	
4	0.08	0.11	0.30	0.20	0.92	3.30	3.18	0.27	0.18	0.24	0.17	0.07	
5	0.08	0.11	1.04	0.20	0.80	8.52	2.16	0.25	0.16	0.24	0.14	0.07	
6	0.08	0.11	0.30	0.19	1.04	4.69	1.56	0.26	0.16	0.25	0.14	0.07	
7	0.08	0.16	0.30	0.19	1.04	3.60	1.38	0.24	0.13	0.26	0.13	0.07	
8	0.08	0.14	0.30	0.20	1.08	4.08	1.20	0.22	0.12	0.27	0.12	0.07	
9	0.08	0.14	0.55	0.20	1.16	4.27	1.16	0.22	0.12	0.26	0.12	0.06	
10	0.08	0.20	0.30	0.22	1.08	5.11	1.20	0.25	0.11	0.25	0.11	0.06	
11	0.08	0.19	0.30	0.27	1.16	4.20	1.32	0.27	0.11	0.24	0.09	0.06	
12	0.08	0.18	1.32	0.26	1.62	3.54	0.70	0.28	0.12	0.21	0.08	0.06	
13	0.08	0.16	1.04	0.25	1.16	2.82	2.46	0.27	0.12	0.19	0.08	0.06	
14	0.18	0.15	0.35	0.23	1.20	2.34	2.04	0.25	0.11	0.15	0.08	0.06	
15	0.16	0.14	0.30	0.23	1.32	1.80	1.80	0.25	0.11	0.13	0.08	0.07	
16	0.13	0.14	0.28	0.26	3.96	1.38	1.50	0.29	0.11	0.16	0.09	0.07	
17	0.11	0.14	0.30	0.30	5.53	1.80	1.38	0.28	0.10	0.20	0.09	0.07	
18	0.10	0.14	0.27	0.96	5.92	1.20	1.50	0.27	0.10	0.21	0.10	0.06	
19	0.09	0.14	0.27	0.92	4.41	1.04	1.98	0.26	0.10	0.21	0.10	0.06	
20	0.09	0.13	0.30	0.40	3.90	1.44	2.46	0.22	0.11	0.21	0.10	0.05	
21	0.09	0.17	0.30	0.45	3.60	2.34	2.34	0.16	0.12	0.21	0.09	0.05	
22	0.09	0.18	0.30	0.35	1.86	1.80	2.04	0.20	0.11	0.21	0.08	0.05	
23	0.08	0.17	0.30	0.40	2.64	1.80	1.98	0.21	0.11	0.21	0.08	0.05	
24	0.09	0.17	0.28	0.40	2.46	1.56	1.74	0.16	0.12	0.19	0.08	0.05	
25	0.09	0.17	0.27	0.30	1.98	1.32	1.44	0.18	0.11	0.19	0.08	0.05	
26	0.08	0.19	0.26	0.30	1.74	1.04	1.26	0.20	0.11	0.19	0.08	0.05	
27	0.16	0.20	0.25	0.30	1.56	0.80	1.16	0.23	0.10	0.20	0.08	0.05	
28	0.13	0.19	0.25	0.30	1.74	0.60	1.08	0.22	0.10	0.20	0.08	0.05	
29	0.12	0.29	0.25	2.82	1.50	0.45	0.92	0.22	0.10	0.21		0.05	
30	0.12	0.30	0.24	2.16	1.50	0.65	0.75	0.22	0.10	0.19		0.05	
31		0.30		2.28	1.56		0.50		0.10	0.18		0.05	
TOTAL	2.95	5.16	11.42	16.19	64.12	73.49	50.93	7.50	3.87	6.54	2.86	1.88	246.91 CMSDAY
MEAN	0.10	0.17	0.38	0.52	2.07	2.45	1.64	0.25	0.12	0.21	0.10	0.06	0.68 CMS
MAX	0.18	0.30	1.32	2.82	5.92	8.52	3.90	0.55	0.22	0.27	0.17	0.10	8.52 CMS
MIN	0.08	0.11	0.24	0.19	0.80	0.45	0.50	0.16	0.10	0.13	0.08	0.05	0.05 CMS
RUNOFF	0.255	0.446	0.987	1.399	5.540	6.350	4.400	0.648	0.334	0.565	0.247	0.162	21.333 MCM

MOMENTARY PEAK 9.84 CMS, AT 259.44 M (MSL), AT 6.00 HOURS, ON SEP 5, 1984

RUNOFF YIELD 1.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

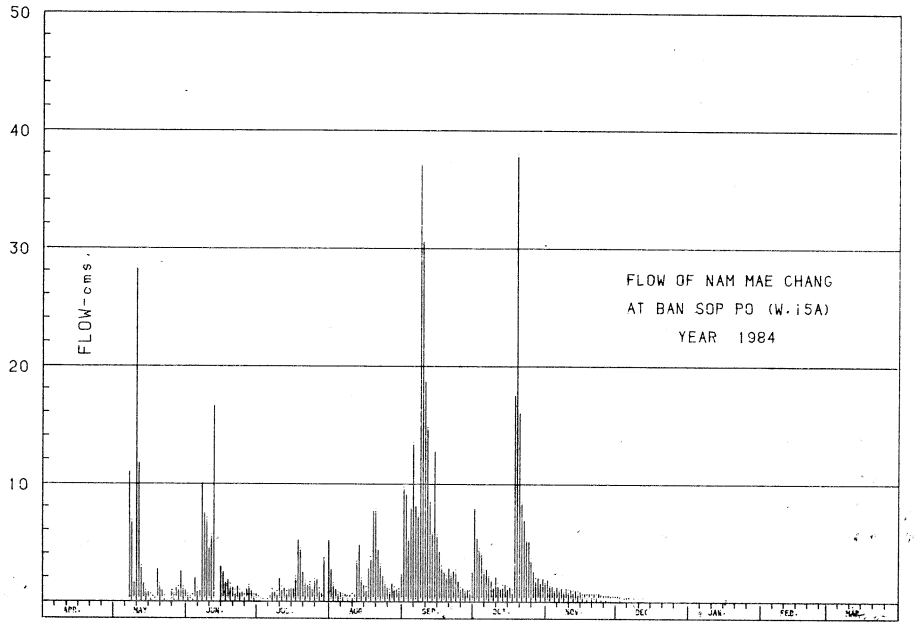
NAM MAE CHANG AT BAN SOP PO, LAMPANG (W.15A)

LOCATION	LAT. 18-08-08 N., LONG. 99-34-58 E., ON RIGHT BANK ABOUT 1.5 KILOMETERS UPSTREAM FROM BAN SOP PO, AMPHOE MAE THA, LAMPANG.
DRAINAGE AREA	1,103 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+240.120 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+251.685 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 95 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	240.46	240.37	240.79	240.75	241.09	241.51	241.43	240.98	240.75	240.57	240.53	240.55	
2	240.46	240.36	240.75	240.73	240.95	241.48	241.29	240.95	240.74	240.58	240.51	240.55	
3	240.44	240.50	240.78	240.69	240.86	241.29	241.23	240.91	240.74	240.58	240.49	240.56	
4	240.42	240.45	241.00	240.70	240.82	241.42	241.19	240.89	240.72	240.57	240.49	240.57	
5	240.42	240.41	240.89	240.70	240.81	241.66	241.09	240.90	240.73	240.57	240.49	240.57	
6	240.44	240.42	240.83	240.75	240.80	241.43	241.09	240.90	240.73	240.58	240.49	240.57	
7	240.45	241.56	241.53	240.88	240.78	241.40	241.05	240.88	240.73	240.58	240.50	240.56	
8	240.43	241.37	241.40	240.81	240.76	242.29	240.97	240.88	240.72	240.58	240.53	240.56	
9	240.41	240.95	241.38	240.84	240.76	242.15	240.94	240.88	240.72	240.58	240.56	240.57	
10	240.40	242.10	241.23	240.99	240.80	241.84	241.01	240.87	240.72	240.58	240.57	240.57	
11	240.39	241.59	241.31	240.91	240.77	241.71	240.95	240.86	240.72	240.57	240.57	240.57	
12	240.38	241.12	241.77	240.88	241.15	241.45	240.87	240.85	240.72	240.57	240.56	240.57	
13	240.37	240.94	240.46	240.84	241.25	241.32	240.93	240.84	240.70	240.57	240.56	240.57	
14	240.35	240.85	240.25	240.86	241.00	241.63	240.93	240.84	240.68	240.57	240.56	240.57	
15	240.34	240.81	241.13	240.93	240.92	241.31	240.92	240.82	240.66	240.55	240.55	240.57	
16	240.32	240.79	241.06	240.87	240.91	241.21	240.90	240.79	240.64	240.54	240.57	240.57	
17	240.29	240.75	240.99	241.02	241.10	241.12	240.87	240.79	240.64	240.52	240.58	240.57	
18	240.28	240.72	240.98	241.28	241.18	241.06	241.80	240.79	240.65	240.51	240.57	240.56	
19	240.25	241.09	240.94	241.23	241.41	241.03	242.31	240.79	240.64	240.52	240.56	240.56	
20	240.24	240.94	240.89	241.06	241.42	241.10	241.75	240.79	240.64	240.51	240.56	240.55	
21	240.22	240.84	240.86	240.97	241.22	241.05	241.45	240.79	240.64	240.50	240.56	240.55	
22	240.19	240.76	240.91	240.92	241.13	241.07	241.37	240.79	240.63	240.50	240.56	240.55	
23	240.18	240.72	240.86	240.96	241.02	241.09	241.29	240.79	240.63	240.50	240.56	240.52	
24	240.15	240.74	240.81	240.86	240.96	240.96	241.27	240.77	240.63	240.49	240.55	240.51	
25	240.14	240.81	240.78	240.99	240.89	240.90	241.17	240.76	240.62	240.49	240.55	240.51	
26	240.38	240.76	240.86	240.98	240.87	240.88	241.07	240.76	240.60	240.51	240.55	240.47	
27	240.51	240.88	240.93	240.89	240.94	240.90	241.00	240.76	240.60	240.52	240.55	240.46	
28	240.38	240.91	240.83	240.79	240.91	240.85	241.00	240.75	240.61	240.51	240.54	240.43	
29	240.43	241.07	240.78	241.17	240.86	240.85	240.99	240.75	240.60	240.49		240.39	
30	240.40	240.91	240.78	240.13	240.88	241.06	240.99	240.75	240.60	240.50		240.36	
31		240.84		241.28	241.04		240.99		240.58	240.52		240.27	
MEAN	240.35	240.88	240.96	240.89	240.98	241.30	241.16	240.83	240.67	240.54	240.54	240.53	
MAX	240.51	242.10	241.77	241.28	241.42	242.29	242.31	240.98	240.75	240.58	240.58	240.57	242.31
MIN	240.14	240.36	240.25	240.13	240.76	240.85	240.87	240.75	240.58	240.49	240.49	240.27	240.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 243.14 M (MSL), AT 18.00 HOURS, ON MAY 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 240.12 M (MSL), RIVER BED 239.52 M (MSL)
LEFT BANK ELEVATION 251.55 M (MSL)
RIGHT BANK ELEVATION 251.35 M (MSL), DRAINAGE AREA 1103 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.00	0.65	0.45	2.72	9.75	8.10	1.84	0.45	0.08	0.06	0.07	
2	0.03	0.00	0.45	0.35	1.60	9.10	5.36	1.60	0.40	0.09	0.05	0.07	
3	0.02	0.05	0.60	0.19	1.00	5.36	4.52	1.28	0.40	0.09	0.04	0.08	
4	0.01	0.03	2.00	0.20	0.80	7.90	3.97	1.15	0.30	0.08	0.04	0.08	
5	0.01	0.00	1.15	0.20	0.75	13.50	2.72	1.20	0.35	0.08	0.04	0.08	
6	0.02	0.01	0.85	0.45	0.70	8.10	2.72	1.20	0.35	0.09	0.04	0.08	
7	0.03	11.00	10.25	1.10	0.60	7.50	2.40	1.10	0.35	0.09	0.05	0.08	
8	0.01	6.90	7.50	0.75	0.50	37.05	1.76	1.10	0.30	0.09	0.06	0.08	
9	0.00	1.60	7.10	0.90	0.50	30.75	1.52	1.10	0.30	0.09	0.08	0.08	
10	0.00	28.50	4.52	1.92	0.70	18.70	2.08	1.05	0.30	0.09	0.08	0.08	
11	0.00	11.75	5.70	1.28	0.55	14.80	1.60	1.00	0.30	0.08	0.08	0.08	
12	0.00	3.06	16.60	1.10	3.45	8.50	1.05	0.95	0.30	0.08	0.08	0.08	
13	0.00	1.52	0.03	0.90	4.80	5.90	1.44	0.90	0.20	0.08	0.08	0.08	
14	0.00	0.95	0.00	1.00	2.00	12.75	1.44	0.90	0.18	0.08	0.08	0.08	
15	0.00	0.75	3.19	1.44	1.36	5.70	1.36	0.80	0.16	0.07	0.07	0.08	
16	0.00	0.65	2.48	1.05	1.28	4.24	1.20	0.65	0.14	0.07	0.08	0.08	
17	0.00	0.45	1.92	2.16	2.80	3.06	1.05	0.65	0.14	0.06	0.09	0.08	
18	0.00	0.30	1.84	5.22	3.84	2.48	17.50	0.65	0.15	0.05	0.08	0.08	
19	0.00	2.72	1.52	4.52	7.70	2.24	38.00	0.65	0.14	0.06	0.08	0.08	
20	0.00	1.52	1.15	2.48	7.90	2.80	16.00	0.65	0.14	0.05	0.08	0.07	
21	0.00	0.90	1.00	1.76	4.38	2.40	8.50	0.65	0.14	0.05	0.08	0.07	
22	0.00	0.50	1.28	1.36	3.19	2.56	6.90	0.65	0.13	0.05	0.08	0.07	
23	0.00	0.30	1.00	1.68	2.16	2.72	5.36	0.65	0.13	0.05	0.08	0.06	
24	0.00	0.40	0.75	1.00	1.68	1.68	5.08	0.55	0.13	0.04	0.07	0.05	
25	0.00	0.75	0.60	1.92	1.15	1.20	3.71	0.50	0.12	0.04	0.07	0.05	
26	0.00	0.50	1.00	1.84	1.05	1.10	2.56	0.50	0.10	0.05	0.07	0.04	
27	0.05	1.10	1.44	1.15	1.52	1.20	2.00	0.50	0.10	0.06	0.07	0.03	
28	0.00	1.28	0.85	0.65	1.28	0.95	2.00	0.45	0.11	0.05	0.07	0.01	
29	0.01	2.56	0.60	3.71	1.00	0.95	1.92	0.45	0.10	0.04		0.00	
30	0.00	1.28	0.60	0.00	1.10	2.48	1.92	0.45	0.10	0.05		0.00	
31		0.90		5.22	2.32		1.92		0.09	0.06		0.00	
TOTAL	0.22	82.23	78.62	47.95	66.38	227.42	157.66	25.77	6.60	2.09	1.93	1.95	698.82 CMSDAY
MEAN	0.01	2.65	2.62	1.55	2.14	7.58	5.09	0.86	0.21	0.07	0.07	0.06	1.91 CMS
MAX	0.05	28.50	16.60	5.22	7.90	37.05	38.00	1.84	0.45	0.09	0.09	0.08	38.00 CMS
MIN	0.00	0.00	0.00	0.00	0.50	0.95	1.05	0.45	0.09	0.04	0.04	0.00	0.00 CMS
RUNOFF	0.019	7.105	6.793	4.143	5.735	19.649	13.622	2.227	0.570	0.181	0.167	0.168	60.378 MCM

MOMENTARY PEAK 87.80 CMS, AT 243.14 M (MSL), AT 18.00 HOURS, ON MAY 10, 1984

RUNOFF YIELD 1.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 79.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

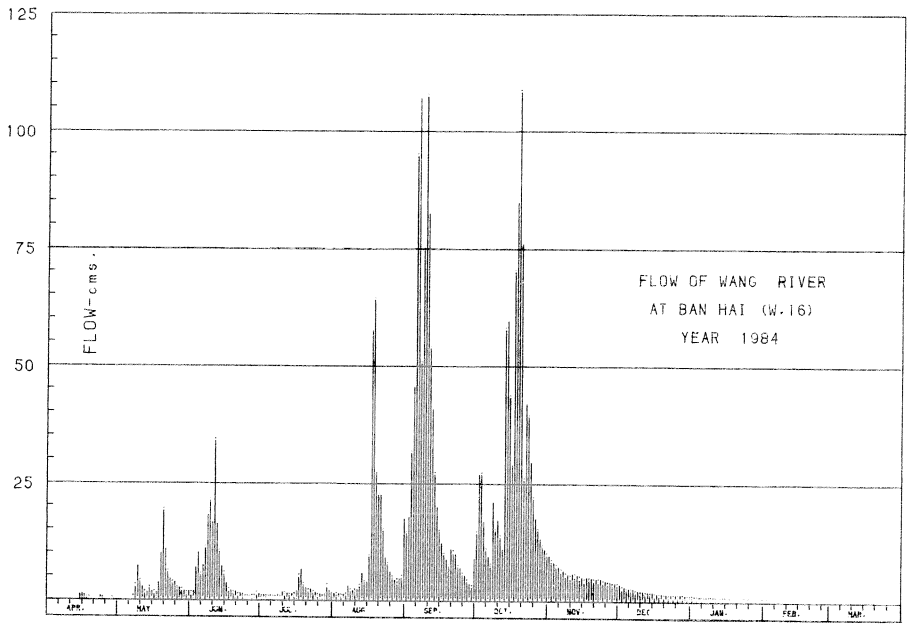
WANG RIVER AT BAN HAI, LAMPANG (W.16)

LOCATION	LAT. 18-48-12 N., LONG. 99-38-45 E., ON RIGHT BANK AT BAN HAI, AMPHOE CHAE HOM LAMPANG.
DRAINAGE AREA	1,284 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.676 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 133 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.29	0.56	0.42	0.49	1.31	1.31	1.08	0.72	0.47	0.34	0.22	
2	0.19	0.28	0.56	0.43	0.53	1.41	1.65	1.04	0.70	0.44	0.33	0.23	
3	0.19	0.31	0.94	0.42	0.49	1.76	1.66	1.01	0.68	0.43	0.33	0.22	
4	0.18	0.32	1.11	0.41	0.47	2.01	1.38	0.99	0.66	0.42	0.33	0.22	
5	0.17	0.32	0.87	0.42	0.46	2.68	1.16	0.96	0.65	0.42	0.32	0.21	
6	0.17	0.32	0.97	0.41	0.52	2.81	1.07	0.93	0.65	0.41	0.31	0.21	
7	0.17	0.41	1.18	0.40	0.69	2.10	1.00	0.91	0.64	0.40	0.30	0.20	
8	0.16	0.72	1.42	0.45	0.63	2.44	1.50	0.88	0.62	0.41	0.29	0.21	
9	0.16	0.96	1.52	0.40	0.59	2.82	1.33	0.86	0.60	0.41	0.28	0.21	
10	0.16	0.78	1.37	0.54	0.63	2.53	1.39	0.85	0.59	0.40	0.27	0.20	
11	0.16	0.66	1.81	0.54	0.61	2.15	1.28	0.87	0.58	0.39	0.27	0.20	
12	0.16	0.58	1.36	0.50	0.72	1.93	1.15	0.87	0.57	0.38	0.27	0.19	
13	0.16	0.52	1.14	0.49	0.87	1.66	2.21	0.85	0.56	0.39	0.28	0.20	
14	0.50	0.68	0.96	0.48	0.77	1.47	2.23	0.84	0.55	0.40	0.27	0.20	
15	0.45	0.55	0.89	0.52	0.75	1.32	1.98	0.82	0.55	0.39	0.26	0.20	
16	0.40	0.58	0.73	0.57	1.09	1.21	1.70	0.80	0.53	0.37	0.25	0.20	
17	0.36	0.51	0.64	0.86	2.20	1.11	2.38	0.82	0.52	0.37	0.25	0.20	
18	0.34	0.73	0.58	0.92	2.30	1.04	2.56	0.82	0.52	0.36	0.24	0.20	
19	0.31	1.10	0.57	0.74	1.66	0.99	2.83	0.81	0.51	0.37	0.24	0.20	
20	0.29	1.46	0.55	0.65	1.55	1.15	2.45	0.80	0.49	0.36	0.24	0.20	
21	0.28	1.15	0.51	0.63	1.54	1.14	1.63	0.80	0.49	0.35	0.24	0.20	
22	0.28	0.91	0.50	0.62	1.33	1.10	1.95	0.80	0.47	0.36	0.24	0.20	
23	0.37	0.79	0.48	0.59	1.06	0.98	1.91	0.80	0.48	0.37	0.24	0.20	
24	0.35	0.76	0.42	0.53	1.01	0.94	1.71	0.78	0.49	0.37	0.23	0.19	
25	0.30	0.74	0.41	0.50	0.89	0.88	1.53	0.77	0.48	0.36	0.23	0.19	
26	0.30	0.67	0.39	0.47	0.84	0.84	1.40	0.76	0.48	0.35	0.23	0.19	
27	0.32	0.64	0.44	0.44	0.78	0.79	1.33	0.76	0.48	0.35	0.23	0.19	
28	0.32	0.64	0.44	0.48	0.80	0.73	1.25	0.74	0.49	0.34	0.22	0.18	
29	0.30	0.57	0.56	0.73	0.80	0.71	1.20	0.74	0.45	0.36		0.18	
30	0.30	0.55	0.47	0.60	0.85	1.05	1.15	0.74	0.45	0.35		0.18	
31		0.55		0.53	1.40		1.11		0.46	0.35		0.18	
MEAN	0.27	0.65	0.81	0.54	0.95	1.50	1.63	0.85	0.55	0.38	0.27	0.20	
MAX	0.50	1.46	1.81	0.92	2.30	2.82	2.83	1.08	0.72	0.47	0.34	0.23	2.83
MIN	0.16	0.28	0.39	0.40	0.46	0.71	1.00	0.74	0.45	0.34	0.22	0.18	0.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.29 M (A.D), AT 2.00 HOURS, ON OCT 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.18 M (A.D)
LEFT BANK ELEVATION 9.01 M (A.D)
RIGHT BANK ELEVATION 7.71 M (A.D), DRAINAGE AREA 1284 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.47	1.92	1.10	1.45	14.80	14.80	9.60	3.51	1.35	0.70	0.26	
2	0.16	0.44	1.92	1.15	1.71	17.85	27.00	8.80	3.20	1.20	0.65	0.29	
3	0.16	0.55	6.98	1.10	1.45	32.00	27.40	8.20	3.00	1.15	0.65	0.26	
4	0.12	0.60	10.20	1.05	1.35	45.60	16.90	7.83	2.80	1.10	0.65	0.26	
5	0.08	0.60	5.84	1.10	1.30	95.20	11.20	7.32	2.70	1.10	0.60	0.23	
6	0.08	0.60	7.49	1.05	1.64	106.95	9.40	6.81	2.70	1.05	0.55	0.23	
7	0.08	1.05	11.60	1.00	3.10	51.00	8.00	6.47	2.60	1.00	0.50	0.20	
8	0.04	3.51	18.20	1.25	2.50	75.20	21.00	5.99	2.40	1.05	0.47	0.23	
9	0.04	7.32	21.80	1.00	2.13	107.90	15.40	5.68	2.20	1.05	0.44	0.23	
10	0.04	4.44	16.60	1.78	2.50	82.40	17.20	5.53	2.13	1.00	0.41	0.20	
11	0.04	2.80	34.50	1.78	2.30	54.25	14.00	5.84	2.06	0.95	0.41	0.20	
12	0.04	2.06	16.30	1.50	3.51	40.80	11.00	5.84	1.99	0.90	0.41	0.16	
13	0.04	1.64	10.80	1.45	5.84	27.40	58.20	5.53	1.92	0.95	0.44	0.20	
14	1.50	3.00	7.32	1.40	4.29	19.95	59.60	5.37	1.85	1.00	0.41	0.20	
15	1.25	1.85	6.15	1.64	3.98	15.10	43.80	5.06	1.85	0.95	0.38	0.20	
16	1.00	2.06	3.67	1.99	9.80	12.25	29.00	4.75	1.71	0.85	0.35	0.20	
17	0.80	1.57	2.60	5.68	57.50	10.20	70.50	5.06	1.64	0.85	0.35	0.20	
18	0.70	3.67	2.06	6.64	64.50	8.80	84.80	5.06	1.64	0.80	0.32	0.20	
19	0.55	10.00	1.99	3.82	27.40	7.83	108.85	4.91	1.57	0.85	0.32	0.20	
20	0.47	19.60	1.85	2.70	23.00	11.00	76.00	4.75	1.45	0.80	0.32	0.20	
21	0.44	11.00	1.57	2.50	22.60	10.80	26.20	4.75	1.45	0.75	0.32	0.20	
22	0.44	6.47	1.50	2.40	15.40	10.00	42.00	4.75	1.35	0.80	0.32	0.20	
23	0.85	4.60	1.40	2.13	9.20	7.66	39.60	4.75	1.40	0.85	0.32	0.20	
24	0.75	4.13	1.10	1.71	8.20	6.98	29.50	4.44	1.45	0.85	0.29	0.16	
25	0.50	3.82	1.05	1.50	6.15	5.99	22.20	4.29	1.40	0.80	0.29	0.16	
26	0.50	2.90	0.95	1.35	5.37	5.37	17.50	4.13	1.40	0.75	0.29	0.16	
27	0.60	2.60	1.20	1.20	4.44	4.60	15.40	4.13	1.40	0.75	0.29	0.16	
28	0.60	2.60	1.20	1.40	4.75	3.67	13.25	3.82	1.45	0.70	0.26	0.12	
29	0.50	1.99	1.92	3.67	4.75	3.36	12.00	3.82	1.25	0.80		0.12	
30	0.50	1.85	1.35	2.20	5.53	9.00	11.00	3.82	1.25	0.75		0.12	
31		1.85		1.71	17.50		10.20		1.30	0.75		0.12	
TOTAL	13.03	111.64	203.03	61.95	325.14	903.91	962.90	167.10	60.02	28.50	11.71	6.07	2855.00 CMSDAY
MEAN	0.43	3.60	6.77	2.00	10.49	30.13	31.06	5.57	1.94	0.92	0.42	0.20	7.82 CMS
MAX	1.50	19.60	34.50	6.64	64.50	107.90	108.85	9.60	3.51	1.35	0.70	0.29	108.85 CMS
MIN	0.04	0.44	0.95	1.00	1.30	3.36	8.00	3.82	1.25	0.70	0.26	0.12	0.04 CMS
RUNOFF	1.126	9.646	17.542	5.352	28.092	78.098	83.195	14.437	5.186	2.462	1.012	0.524	246.672 MCM

MOMENTARY PEAK 292.40 CMS, AT 4.29 M (A.D), AT 2.00 HOURS, ON OCT 17, 1984

RUNOFF YIELD 6.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 227.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WANG RIVER BASIN

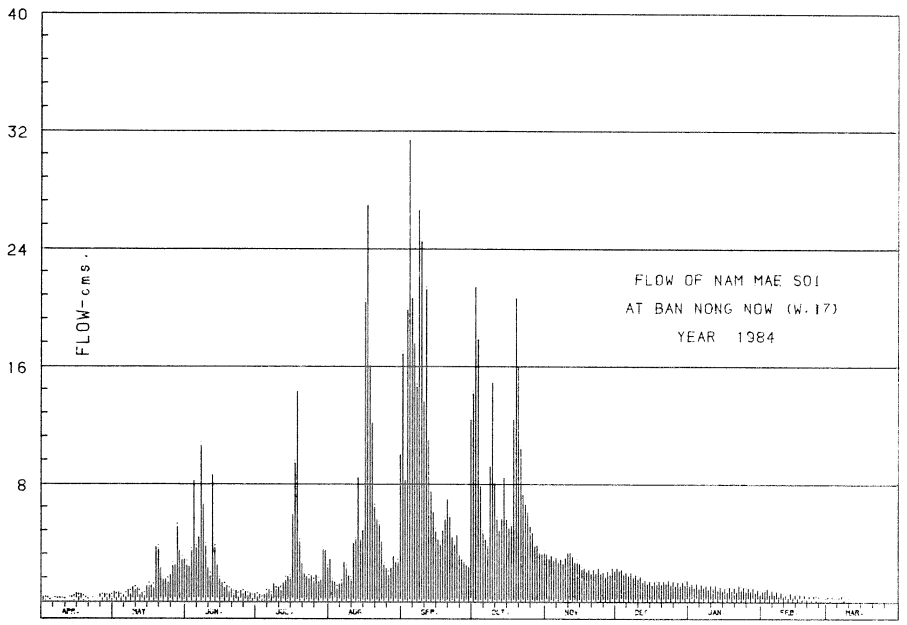
NAM MAE SOI AT BAN NONG NOW, LAMPANG (W.17)

LOCATION	LAT. 18-43-16 N., LONG 99-34-12 E., ON RIGHT BANK AT THE BRIDGE OF LAMPANG-WANG NUA ROAD, BAN NONG NOW, TAMBON CHAE HOM, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	619 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+292.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+295.790 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	292.03	292.10	292.39	292.08	292.40	293.14	293.03	292.43	292.34	292.21	292.10	292.03	
2	292.03	292.08	292.35	292.06	292.25	292.75	293.30	292.42	292.34	292.19	292.15	292.03	
3	292.03	292.09	292.46	292.04	292.21	293.25	293.18	292.42	292.33	292.19	292.13	292.03	
4	292.00	292.07	292.75	292.06	292.17	293.60	292.73	292.41	292.32	292.19	292.11	292.02	
5	292.01	292.05	292.48	292.12	292.19	293.28	292.55	292.41	292.31	292.18	292.11	292.02	
6	292.02	292.09	292.52	292.12	292.23	293.16	292.51	292.40	292.31	292.18	292.11	292.02	
7	292.02	292.12	292.88	292.10	292.38	293.05	292.49	292.40	292.31	292.18	292.10	292.04	
8	292.02	292.12	292.66	292.19	292.36	293.47	292.80	292.39	292.30	292.17	292.09	292.04	
9	292.02	292.15	292.49	292.15	292.28	293.41	293.06	292.41	292.29	292.17	292.09	292.02	
10	292.01	292.16	292.34	292.15	292.27	293.00	292.74	292.45	292.28	292.17	292.08	292.01	
11	292.01	292.14	292.31	292.16	292.49	293.30	292.61	292.44	292.27	292.17	292.05	292.00	
12	292.03	292.12	292.77	292.20	292.52	292.89	292.55	292.43	292.25	292.17	292.07	292.00	
13	292.04	292.08	292.48	292.27	292.76	292.72	292.61	292.38	292.23	292.16	292.08	292.00	
14	292.05	292.09	292.36	292.27	292.52	292.63	292.76	292.40	292.23	292.15	292.07	291.98	
15	292.08	292.16	292.27	292.29	292.55	292.56	292.61	292.37	292.22	292.15	292.06	291.99	
16	292.07	292.20	292.20	292.62	293.27	292.51	292.56	292.35	292.22	292.14	292.07	291.99	
17	292.07	292.17	292.20	292.82	293.48	292.50	292.58	292.34	292.22	292.14	292.06	292.00	
18	292.05	292.19	292.17	293.03	293.11	292.55	292.95	292.34	292.22	292.15	292.05	292.01	
19	292.03	292.47	292.15	292.51	292.94	292.61	293.28	292.33	292.22	292.15	292.05	292.01	
20	292.01	292.48	292.13	292.37	292.66	292.68	293.10	292.32	292.22	292.14	292.05	292.01	
21	292.01	292.34	292.11	292.32	292.60	292.62	292.87	292.33	292.22	292.14	292.04	292.01	
22	292.02	292.28	292.11	292.27	292.59	292.52	292.70	292.33	292.23	292.17	292.04	292.01	
23	292.02	292.24	292.09	292.29	292.50	292.50	292.67	292.34	292.23	292.16	292.04	292.01	
24	292.03	292.26	292.11	292.28	292.38	292.53	292.63	292.32	292.22	292.15	292.04	292.01	
25	292.06	292.29	292.12	292.25	292.34	292.44	292.58	292.31	292.22	292.14	292.03	292.01	
26	292.07	292.38	292.10	292.29	292.32	292.40	292.54	292.30	292.21	292.14	292.03	292.01	
27	292.07	292.36	292.09	292.26	292.34	292.40	292.49	292.32	292.21	292.15	292.02	292.01	
28	292.06	292.58	292.08	292.23	292.43	292.36	292.48	292.32	292.21	292.14	292.01	292.01	
29	292.06	292.45	292.06	292.47	292.38	292.37	292.45	292.34	292.21	292.13		292.00	
30	292.07	292.42	292.07	292.45	292.40	292.95	292.43	292.34	292.22	292.12		292.00	
31		292.40		292.36	292.84		292.45		292.23	292.11		291.99	
MEAN	292.04	292.23	292.31	292.29	292.52	292.81	292.72	292.37	292.25	292.16	292.07	292.01	
MAX	292.08	292.58	292.88	293.03	293.48	293.60	293.30	292.45	292.34	292.21	292.15	292.04	293.60
MIN	292.00	292.05	292.06	292.04	292.17	292.36	292.43	292.30	292.21	292.11	292.01	291.98	291.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 293.75 M (MSL), AT 6.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 292.00 M (MSL), RIVER BED 291.66 M (MSL)
LEFT BANK ELEVATION 296.71 M (MSL)
RIGHT BANK ELEVATION 296.39 M (MSL), DRAINAGE AREA 619 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.70	2.80	0.60	2.90	17.04	14.32	3.26	2.30	1.36	0.70	0.35	
2	0.35	0.60	2.40	0.50	1.60	8.25	21.40	3.14	2.30	1.24	1.00	0.35	
3	0.35	0.65	3.62	0.40	1.36	20.00	18.08	3.14	2.20	1.24	0.88	0.35	
4	0.20	0.55	8.25	0.50	1.12	31.40	7.87	3.02	2.10	1.24	0.76	0.30	
5	0.25	0.45	3.86	0.82	1.24	20.84	4.85	3.02	2.00	1.18	0.76	0.30	
6	0.30	0.65	4.40	0.82	1.48	17.56	4.25	2.90	2.00	1.18	0.76	0.30	
7	0.30	0.82	10.80	0.70	2.70	14.80	3.98	2.90	2.00	1.18	0.70	0.40	
8	0.30	0.82	6.62	1.24	2.50	26.64	9.20	2.80	1.90	1.12	0.65	0.40	
9	0.30	1.00	3.98	1.00	1.78	24.72	15.04	3.02	1.84	1.12	0.65	0.30	
10	0.25	1.06	2.30	1.00	1.72	13.60	8.06	3.50	1.78	1.12	0.60	0.25	
11	0.25	0.94	2.00	1.06	3.98	21.40	5.77	3.38	1.72	1.12	0.45	0.20	
12	0.35	0.82	8.63	1.30	4.40	11.00	4.85	3.26	1.60	1.12	0.55	0.20	
13	0.40	0.60	3.86	1.72	8.44	7.68	5.77	2.70	1.48	1.06	0.60	0.20	
14	0.45	0.65	2.50	1.72	4.40	6.11	8.44	2.90	1.48	1.00	0.55	0.12	
15	0.60	1.06	1.72	1.84	4.85	5.00	5.77	2.60	1.42	1.00	0.50	0.16	
16	0.55	1.30	1.30	5.94	20.56	4.25	5.00	2.40	1.42	0.94	0.55	0.16	
17	0.55	1.12	1.30	9.60	26.96	4.10	5.30	2.30	1.42	0.94	0.50	0.20	
18	0.45	1.24	1.12	14.32	16.26	4.85	12.40	2.30	1.42	1.00	0.45	0.25	
19	0.35	3.74	1.00	4.25	12.16	5.77	20.84	2.20	1.42	1.00	0.45	0.25	
20	0.25	3.86	0.88	2.60	6.62	6.96	16.00	2.10	1.42	0.94	0.45	0.25	
21	0.25	2.30	0.76	2.10	5.60	5.94	10.60	2.20	1.42	0.94	0.40	0.25	
22	0.30	1.78	0.76	1.72	5.45	4.40	7.30	2.20	1.48	1.12	0.40	0.25	
23	0.30	1.54	0.65	1.84	4.10	4.10	6.79	2.30	1.48	1.06	0.40	0.25	
24	0.35	1.66	0.76	1.78	2.70	4.55	6.11	2.10	1.42	1.00	0.40	0.25	
25	0.50	1.84	0.82	1.60	2.30	3.38	5.30	2.00	1.42	0.94	0.35	0.25	
26	0.55	2.70	0.70	1.84	2.10	2.90	4.70	1.90	1.36	0.94	0.35	0.25	
27	0.55	2.50	0.65	1.66	2.30	2.90	3.98	2.10	1.36	1.00	0.30	0.25	
28	0.50	5.30	0.60	1.48	3.26	2.50	3.86	2.10	1.36	0.94	0.25	0.25	
29	0.50	3.50	0.50	3.74	2.70	2.60	3.50	2.30	1.36	0.88		0.20	
30	0.55	3.14	0.55	3.50	2.90	12.40	3.26	2.30	1.42	0.82		0.20	
31		2.90		2.50	10.00		3.50		1.48	0.76		0.16	
TOTAL	11.50	51.79	80.09	75.69	170.44	317.64	256.09	78.34	50.78	32.50	15.36	7.85	1148.07 CMSDAY
MEAN	0.38	1.67	2.67	2.44	5.50	10.59	8.26	2.61	1.64	1.05	0.55	0.25	3.15 CMS
MAX	0.60	5.30	10.80	14.32	26.96	31.40	21.40	3.50	2.30	1.36	1.00	0.40	31.40 CMS
MIN	0.20	0.45	0.50	0.40	1.12	2.50	3.26	1.90	1.36	0.76	0.25	0.12	0.12 CMS
RUNOFF	0.994	4.475	6.920	6.540	14.726	27.444	22.126	6.769	4.387	2.808	1.327	0.678	99.193 MCM

MOMENTARY PEAK 37.50 CMS, AT 293.75 M (MSL), AT 6.00 HOURS, ON SEP 8, 1984
RUNOFF YIELD 5.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 60.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

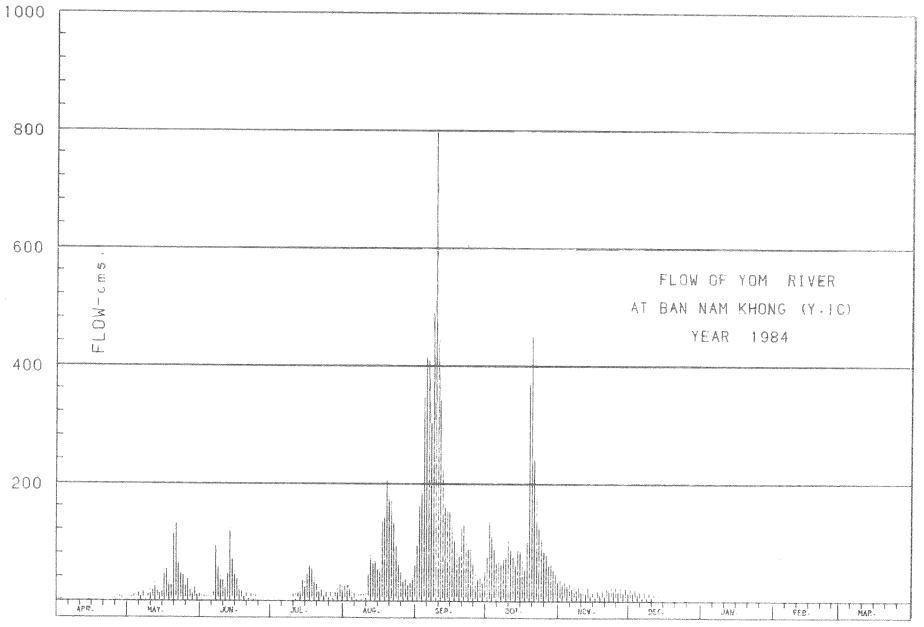
YOM RIVER AT BAN NAM KHONG, PHRAE (Y.1C)

LOCATION	LAT. 18-07-59 N., LONG. 100-07-39 E., ON RIGHT BANK ABOUT 5 METERS DOWNSTREAM FROM PHATHANA PHAK NUA 8 BRIDGE AT TAMBON PA MAT, AMPHOE MUANG, PHRAE.
DRAINAGE AREA	7,624 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+143.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+153.908 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	144.00	144.24	144.31	144.13	144.69	145.74	145.51	144.88	144.59	144.10	143.99	143.95	
2	144.00	144.19	144.27	144.13	144.67	146.39	146.12	144.85	144.59	144.09	143.99	143.96	
3	143.99	144.31	144.24	144.14	144.58	146.61	145.90	144.82	144.56	144.09	143.98	143.95	
4	143.99	144.31	144.24	144.16	144.48	147.82	145.59	144.79	144.54	144.09	143.98	143.96	
5	143.99	144.42	144.22	144.18	144.41	148.27	145.37	144.76	144.48	144.07	144.01	143.97	
6	143.98	144.46	144.47	144.17	144.37	148.21	145.32	144.74	144.41	144.06	144.01	143.96	
7	143.98	144.50	145.72	144.17	144.34	147.55	145.35	144.71	144.47	144.04	144.00	143.96	
8	143.98	144.31	145.21	144.21	144.35	148.72	145.38	144.68	144.42	144.03	143.99	143.96	
9	143.98	144.36	144.99	144.28	144.37	150.23	145.47	144.65	144.42	144.04	143.98	143.96	
10	143.99	144.58	144.88	144.35	144.42	148.43	145.77	144.63	144.40	144.05	143.98	143.97	
11	144.00	144.55	144.74	144.37	145.04	147.82	145.66	144.63	144.34	144.06	143.98	143.97	
12	144.00	144.82	145.07	144.43	145.46	146.91	145.43	144.59	144.29	144.05	143.97	143.97	
13	144.01	144.52	146.01	144.62	145.29	146.41	145.32	144.64	144.29	144.05	143.97	143.97	
14	144.17	144.61	145.38	144.87	145.39	146.30	145.57	144.46	144.22	144.06	143.97	143.98	
15	144.14	144.50	145.13	144.83	145.16	146.35	145.60	144.45	144.22	144.04	143.97	143.98	
16	144.14	145.15	144.92	145.06	145.20	146.03	145.36	144.48	144.20	144.04	143.97	143.99	
17	144.14	145.17	144.69	145.31	146.13	145.83	145.24	144.51	144.16	144.03	143.96	144.00	
18	144.11	144.85	144.52	145.18	146.26	145.58	145.75	144.54	144.16	144.02	143.95	144.01	
19	144.09	144.73	144.46	144.94	146.75	145.53	147.98	144.51	144.15	144.01	143.96	144.00	
20	144.08	145.98	144.42	144.76	146.52	146.00	148.47	144.49	144.13	144.00	143.95	144.00	
21	144.07	146.09	144.39	144.64	146.46	146.11	147.08	144.59	144.13	144.00	143.95	144.00	
22	144.05	145.37	144.38	144.57	146.14	145.74	146.52	144.65	144.13	144.00	143.96	144.00	
23	144.04	145.08	144.34	144.53	145.66	145.68	146.06	144.66	144.14	144.00	143.96	144.00	
24	144.04	145.13	144.31	144.48	145.32	145.60	145.81	144.66	144.14	143.99	143.97	144.00	
25	144.16	144.71	144.28	144.45	145.11	145.36	145.61	144.65	144.13	143.98	143.97	144.01	
26	144.25	145.03	144.23	144.46	144.96	145.15	145.46	144.64	144.12	143.99	143.96	144.01	
27	144.24	144.57	144.18	144.45	144.92	145.01	145.32	144.63	144.10	144.00	143.94	144.00	
28	144.15	144.57	144.17	144.45	144.87	144.94	145.27	144.63	144.10	144.00	143.94	144.01	
29	144.13	144.64	144.16	144.63	144.80	144.94	145.22	144.60	144.10	144.00		144.00	
30	144.24	144.55	144.14	144.75	145.01	145.12	145.05	144.59	144.10	143.99		144.00	
31		144.38		144.68	145.25		144.94		144.10	143.99		144.00	
MEAN	144.07	144.73	144.62	144.53	145.17	146.48	145.76	144.64	144.27	144.03	143.97	143.98	
MAX	144.25	146.09	146.01	145.31	146.75	150.23	148.47	144.88	144.59	144.10	144.01	144.01	150.23
MIN	143.98	144.19	144.14	144.13	144.34	144.94	144.94	144.45	144.10	143.98	143.94	143.95	143.94

ANNUAL MAX MOMENTARY GAGE HEIGHT 150.39 M (MSL), AT 11.00 HOURS, ON SEP 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 143.50 M (MSL), RIVER BED 143.51 M (MSL)
LEFT BANK ELEVATION 152.84 M (MSL)
RIGHT BANK ELEVATION 154.04 M (MSL), DRAINAGE AREA 7624 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.00	7.80	9.30	5.60	24.50	99.20	80.80	34.80	19.50	5.00	2.85	2.25	
2	3.00	6.80	8.40	5.60	23.50	161.00	134.00	33.00	19.50	4.80	2.85	2.40	
3	2.85	9.30	7.80	5.80	19.00	187.20	112.00	31.20	18.00	4.80	2.70	2.25	
4	2.85	9.30	7.80	6.20	14.40	345.20	87.20	29.50	17.00	4.80	2.70	2.40	
5	2.85	12.60	7.40	6.60	12.30	417.20	69.60	28.00	14.40	4.40	3.20	2.55	
6	2.70	13.80	14.10	6.40	11.10	407.60	65.60	27.00	12.30	4.20	3.20	2.40	
7	2.70	15.00	97.60	6.40	10.20	307.00	68.00	25.50	14.10	3.80	3.00	2.40	
8	2.70	9.30	56.80	7.20	10.50	489.60	70.40	24.00	12.60	3.60	2.85	2.40	
9	2.70	10.80	41.40	8.60	11.10	800.60	77.60	22.50	12.60	3.80	2.70	2.40	
10	2.85	19.00	34.80	10.50	12.60	442.80	101.60	21.50	12.00	4.00	2.70	2.55	
11	3.00	17.50	27.00	11.10	44.40	345.20	92.80	21.50	10.20	4.20	2.70	2.55	
12	3.00	31.20	46.20	12.90	76.80	223.20	74.40	19.50	8.80	4.00	2.55	2.55	
13	3.20	16.00	123.00	21.00	63.20	163.20	65.60	22.00	8.80	4.00	2.55	2.55	
14	6.40	20.50	70.40	34.20	71.20	152.00	85.60	13.80	7.40	4.20	2.55	2.70	
15	5.80	15.00	50.40	31.80	52.80	157.00	88.00	13.50	7.40	3.80	2.55	2.70	
16	5.80	52.00	37.20	45.60	56.00	125.00	68.80	14.40	7.00	3.80	2.55	2.85	
17	5.80	53.60	24.50	64.80	135.00	106.40	59.20	15.50	6.20	3.60	2.40	3.00	
18	5.20	33.00	16.00	54.40	148.00	86.40	100.00	17.00	6.20	3.40	2.25	3.20	
19	4.80	26.50	13.80	38.40	204.00	82.40	370.80	15.50	6.00	3.20	2.40	3.00	
20	4.60	120.00	12.60	28.00	176.40	122.00	449.20	14.70	5.60	3.00	2.25	3.00	
21	4.40	131.00	11.70	22.00	169.20	133.00	243.60	19.50	5.60	3.00	2.25	3.00	
22	4.00	69.60	11.40	18.50	136.00	99.20	176.40	22.50	5.60	3.00	2.40	3.00	
23	3.80	46.80	10.20	16.50	92.80	94.40	128.00	23.00	5.80	3.00	2.40	3.00	
24	3.80	50.40	9.30	14.40	65.60	88.00	104.80	23.00	5.80	2.85	2.55	3.00	
25	6.20	25.50	8.60	13.50	48.80	68.80	88.80	22.50	5.60	2.70	2.55	3.20	
26	8.00	43.80	7.60	13.80	39.60	52.00	76.80	22.00	5.40	2.85	2.40	3.20	
27	7.80	18.50	6.60	13.50	37.20	42.60	65.60	21.50	5.00	3.00	2.10	3.00	
28	6.00	18.50	6.40	13.50	34.20	38.40	61.60	21.50	5.00	3.00	2.10	3.20	
29	5.60	22.00	6.20	21.50	30.00	38.40	57.60	20.00	5.00	3.00		3.00	
30	7.80	17.50	5.80	27.50	42.60	49.60	45.00	19.50	5.00	2.85		3.00	
31		11.40		24.00	60.00		38.40		5.00	2.85		3.00	
TOTAL	133.20	954.00	790.30	609.80	1933.00	5924.60	3407.80	659.40	284.40	112.50	72.25	85.70	14966.95 CMSDAY
MEAN	4.44	30.77	26.34	19.67	62.35	197.49	109.93	21.98	9.17	3.63	2.58	2.76	41.01 CMS
MAX	8.00	131.00	123.00	64.80	204.00	800.60	449.20	34.80	19.50	5.00	3.20	3.20	800.60 CMS
MIN	2.70	6.80	5.80	5.60	10.20	38.40	38.40	13.50	5.00	2.70	2.10	2.25	2.10 CMS
RUNOFF	11.508	82.426	68.282	52.687	167.011	511.885	294.434	56.972	24.572	9.720	6.242	7.404	1293.145 MCM

MOMENTARY PEAK 835.80 CMS, AT 150.39 M (MSL), AT 11.00 HOURS, ON SEP 9, 1984
RUNOFF YIELD 5.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 109.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

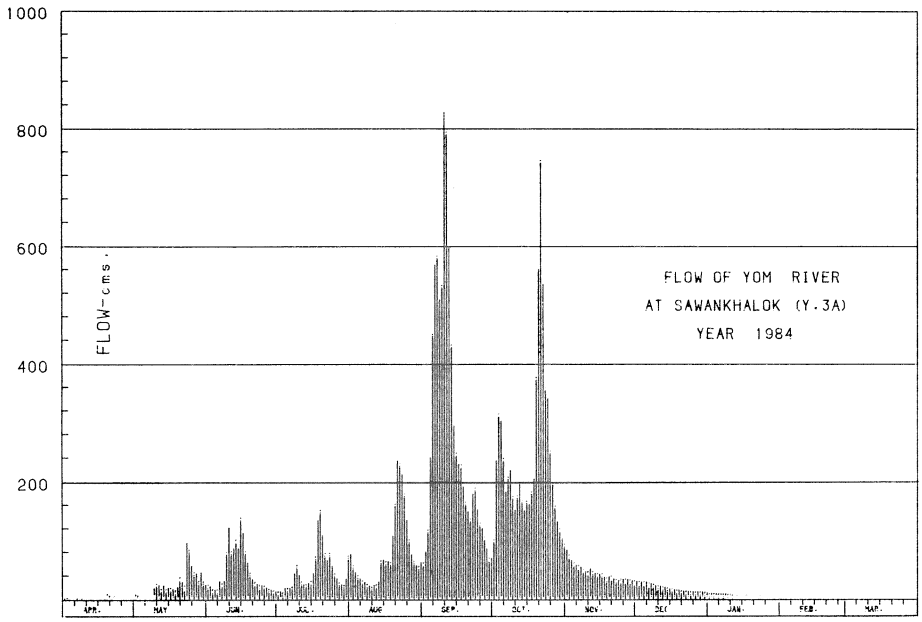
YOM RIVER AT SAWANKHALOK, SUKHOTHAI (Y.3A)

LOCATION	LAT. 17-18-29 N., LONG. 99-49-43 E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE SAWANKHALOK, SUKHOTHAI.
DRAINAGE AREA	13,583 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+51.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+60.559 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.40	51.68	52.16	51.84	52.97	52.79	53.26	53.06	52.29	51.72	51.50	51.38	
2	51.43	51.61	52.10	51.83	52.72	53.02	54.53	52.95	52.28	51.72	51.49	51.38	
3	51.42	51.55	51.96	51.78	52.55	53.44	55.24	52.84	52.27	51.71	51.49	51.38	
4	51.39	51.51	51.92	52.01	52.46	54.58	55.14	52.79	52.27	51.70	51.48	51.38	
5	51.39	51.53	51.96	52.03	52.37	56.37	54.57	52.73	52.27	51.70	51.48	51.37	
6	51.37	51.56	52.29	52.02	52.31	57.35	54.05	52.72	52.23	51.70	51.47	51.37	
7	51.37	51.53	52.22	52.08	52.26	57.47	54.28	52.69	52.21	51.69	51.47	51.37	
8	51.36	51.63	52.30	52.51	52.19	56.86	54.38	52.63	52.18	51.69	51.46	51.37	
9	51.36	52.02	53.01	52.73	52.12	57.06	53.98	52.57	52.12	51.67	51.45	51.37	
10	51.36	52.21	53.48	52.47	52.07	59.35	53.77	52.57	52.11	51.66	51.45	51.37	
11	51.36	52.16	53.03	52.28	52.15	59.09	53.99	52.64	52.10	51.62	51.45	51.37	
12	51.36	51.99	53.09	52.17	52.18	57.58	54.17	52.57	52.08	51.62	51.45	51.36	
13	51.36	52.13	53.26	52.19	52.28	56.22	53.92	52.52	52.06	51.62	51.44	51.35	
14	51.36	51.98	53.09	52.23	52.83	55.07	53.76	52.51	52.03	51.61	51.43	51.35	
15	51.39	52.03	53.65	52.30	52.85	54.65	53.91	52.50	51.98	51.61	51.43	51.34	
16	51.50	52.04	53.38	52.52	52.82	54.48	53.86	52.51	51.97	51.61	51.43	51.34	
17	51.54	51.97	53.03	52.92	52.82	54.47	54.05	52.41	51.94	51.61	51.43	51.34	
18	51.64	51.91	52.79	53.61	52.80	54.13	54.25	52.38	51.92	51.61	51.41	51.34	
19	51.70	52.06	52.53	53.77	53.33	53.89	55.76	52.43	51.91	51.60	51.40	51.34	
20	51.61	52.41	52.35	53.34	53.86	53.75	57.29	52.43	51.88	51.60	51.40	51.34	
21	51.55	52.27	52.27	52.99	54.53	53.63	58.72	52.36	51.86	51.59	51.39	51.33	
22	51.54	52.13	52.20	52.84	54.49	54.02	57.08	52.34	51.85	51.59	51.39	51.33	
23	51.51	53.20	52.16	52.99	54.32	54.11	55.61	52.32	51.84	51.58	51.39	51.33	
24	51.48	53.06	52.14	52.71	54.02	53.78	55.46	52.35	51.83	51.57	51.39	51.33	
25	51.45	52.71	52.12	52.50	53.61	53.56	54.68	52.35	51.82	51.56	51.39	51.33	
26	51.45	52.54	52.04	52.37	53.26	53.47	54.16	52.35	51.82	51.55	51.39	51.33	
27	51.43	52.52	51.99	52.25	52.96	53.31	53.83	52.35	51.82	51.55	51.39	51.33	
28	51.42	52.30	51.94	52.17	52.82	53.09	53.59	52.33	51.81	51.55	51.38	51.32	
29	51.43	52.54	51.89	52.15	52.72	52.88	53.46	52.31	51.80	51.55		51.32	
30	51.55	52.28	51.84	52.36	52.70	52.89	53.28	52.30	51.79	51.54		51.31	
31		52.16		52.93	52.80		53.17		51.76	51.53		51.31	
MEAN	51.45	52.10	52.47	52.48	52.91	54.88	54.55	52.53	52.00	51.62	51.43	51.35	
MAX	51.70	53.20	53.65	53.77	54.53	59.35	58.72	53.06	52.29	51.72	51.50	51.38	59.35
MIN	51.36	51.51	51.84	51.78	52.07	52.79	53.17	52.30	51.76	51.53	51.38	51.31	51.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 59.97 M (MSL), AT 23.00 HOURS, ON SEP 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 51.00 M (MSL), RIVER BED 50.82 M (MSL)
LEFT BANK ELEVATION 61.01 M (MSL)
RIGHT BANK ELEVATION 60.91 M (MSL), DRAINAGE AREA 13583 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.00	9.40	25.40	14.20	77.60	63.30	102.40	84.80	31.50	10.60	5.00	2.60	
2	3.60	7.30	23.00	13.90	58.40	81.60	236.30	76.00	31.00	10.60	4.80	2.60	
3	3.40	6.00	17.80	12.40	47.00	118.80	315.80	67.20	30.50	10.30	4.80	2.60	
4	2.80	5.20	16.60	19.40	41.60	241.80	303.80	63.30	30.50	10.00	4.60	2.60	
5	2.80	5.60	17.80	20.20	36.20	451.40	240.70	59.10	30.50	10.00	4.60	2.40	
6	2.40	6.20	31.50	19.80	32.60	569.00	183.50	58.40	28.50	10.00	4.40	2.40	
7	2.40	5.60	28.00	22.20	30.00	584.10	208.80	56.30	27.50	9.70	4.40	2.40	
8	2.20	7.90	32.00	44.60	26.60	510.20	219.80	52.10	26.20	9.70	4.20	2.40	
9	2.20	19.80	80.80	59.10	23.80	534.20	175.80	48.20	23.80	9.10	4.00	2.40	
10	2.20	27.50	122.60	42.20	21.80	828.50	152.70	48.20	23.40	8.80	4.00	2.40	
11	2.20	25.40	82.40	31.00	25.00	794.70	176.90	52.80	23.00	7.60	4.00	2.40	
12	2.20	18.70	87.20	25.80	26.20	598.40	196.70	48.20	22.20	7.60	4.00	2.20	
13	2.20	24.20	102.40	26.60	31.00	433.40	169.20	45.20	21.40	7.60	3.80	2.00	
14	2.20	18.40	87.20	28.50	66.40	295.70	151.60	44.60	20.20	7.30	3.60	2.00	
15	2.80	20.20	139.50	32.00	68.00	249.50	168.10	44.00	18.40	7.30	3.60	1.80	
16	5.00	20.60	113.20	45.20	65.60	230.80	162.60	44.60	18.10	7.30	3.60	1.80	
17	5.80	18.10	82.40	73.60	65.60	229.70	183.50	38.60	17.20	7.30	3.60	1.80	
18	8.20	16.30	63.30	135.10	64.00	192.30	205.50	36.80	16.60	7.30	3.20	1.80	
19	10.00	21.40	45.80	152.70	108.70	165.90	378.20	39.80	16.30	7.00	3.00	1.80	
20	7.30	38.60	35.00	109.60	162.60	150.50	561.80	39.80	15.40	7.00	3.00	1.80	
21	6.00	30.50	30.50	79.20	236.30	137.30	746.60	35.60	14.80	6.80	2.80	1.60	
22	5.80	24.20	27.00	67.20	231.90	180.20	536.60	34.40	14.50	6.80	2.80	1.60	
23	5.20	97.00	25.40	79.20	213.20	190.10	360.20	33.20	14.20	6.60	2.80	1.60	
24	4.60	84.80	24.60	57.70	180.20	153.80	342.20	35.00	13.90	6.40	2.80	1.60	
25	4.00	57.70	23.80	44.00	135.10	130.20	252.80	35.00	13.60	6.20	2.80	1.60	
26	4.00	46.40	20.60	36.20	102.40	121.65	195.60	35.00	13.60	6.00	2.80	1.60	
27	3.60	45.20	18.70	29.50	76.80	106.90	159.30	35.00	13.60	6.00	2.80	1.60	
28	3.40	32.00	17.20	25.80	65.60	87.20	133.05	33.80	13.30	6.00	2.60	1.40	
29	3.60	46.40	15.70	25.00	58.40	70.40	120.70	32.60	13.00	6.00		1.40	
30	6.00	31.00	14.20	35.60	57.00	71.20	104.20	32.00	12.70	5.80		1.20	
31		25.40		74.40	64.00		94.30		11.80	5.60		1.20	
TOTAL	121.10	843.00	1451.60	1481.90	2499.60	8572.75	7539.25	1389.60	621.20	240.30	102.40	60.60	24923.30 CMSDAY
MEAN	4.04	27.19	48.39	47.80	80.63	285.76	243.20	46.32	20.04	7.75	3.66	1.95	68.28 CMS
MAX	10.00	97.00	139.50	152.70	236.30	828.50	746.60	84.80	31.50	10.60	5.00	2.60	828.50 CMS
MIN	2.20	5.20	14.20	12.40	21.80	63.30	94.30	32.00	11.80	5.60	2.60	1.20	1.20 CMS
RUNOFF	10.463	72.835	125.418	128.036	215.965	740.686	651.391	120.061	53.672	20.762	8.847	5.236	2153.373 MCM

MOMENTARY PEAK 914.80 CMS, AT 59.97 M (MSL), AT 23.00 HOURS, ON SEP 10, 1984

RUNOFF YIELD 5.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

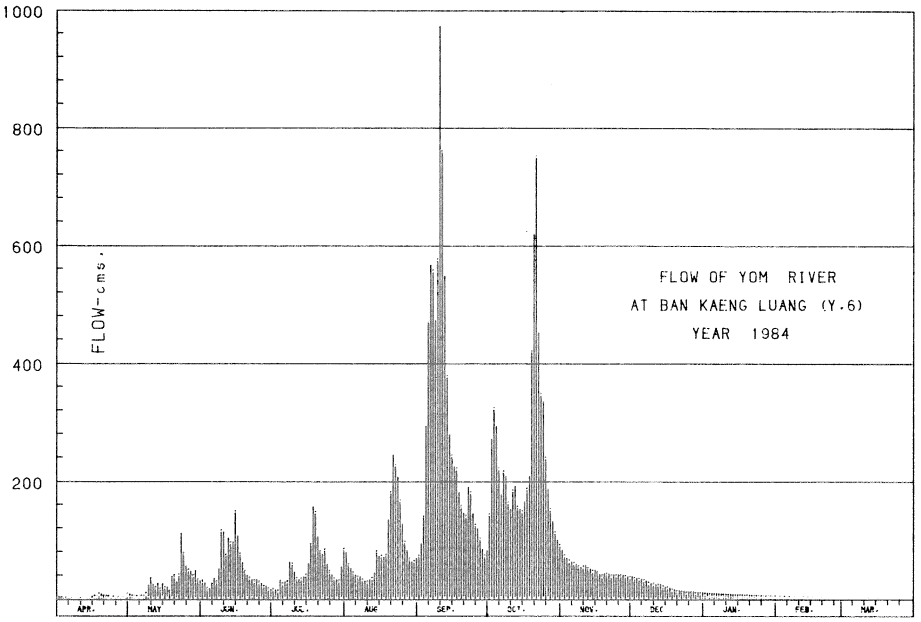
YOM RIVER AT BAN KAENG LUANG, SUKHOTHAI (Y.6)

LOCATION	LAT. 17-26-03 N., LONG. 99-47-32 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+59.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+68.928 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW DIVERTED FOR IRRIGATION ABOUT 24,000 HECTARES AT ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 67 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	59.54	59.78	60.34	60.06	61.02	60.97	61.59	61.06	60.46	59.85	59.62	59.46	
2	59.52	59.70	60.24	60.00	60.80	61.16	62.38	60.98	60.43	59.84	59.61	59.46	
3	59.50	59.64	60.09	60.01	60.68	61.56	62.67	60.92	60.41	59.83	59.60	59.45	
4	59.48	59.64	60.05	60.34	60.59	62.50	62.50	60.88	60.41	59.83	59.59	59.45	
5	59.45	59.68	60.24	60.25	60.50	63.33	62.11	60.84	60.38	59.82	59.59	59.45	
6	59.44	59.67	60.40	60.27	60.47	63.69	61.82	60.83	60.37	59.81	59.58	59.45	
7	59.44	59.66	60.31	60.32	60.45	63.66	62.08	60.79	60.32	59.81	59.57	59.44	
8	59.43	59.88	60.67	60.83	60.38	63.33	62.02	60.75	60.28	59.80	59.57	59.43	
9	59.41	60.17	61.37	60.81	60.31	63.73	61.74	60.72	60.23	59.79	59.56	59.42	
10	59.40	60.42	61.34	60.58	60.31	65.00	61.65	60.75	60.25	59.78	59.57	59.41	
11	59.38	60.20	60.99	60.42	60.36	64.36	61.87	60.77	60.20	59.77	59.58	59.43	
12	59.38	60.13	61.25	60.36	60.43	63.62	61.91	60.71	60.21	59.75	59.57	59.43	
13	59.38	60.23	61.19	60.41	60.55	62.93	61.69	60.67	60.21	59.74	59.55	59.42	
14	59.41	60.07	61.19	60.44	61.05	62.42	61.65	60.64	60.16	59.73	59.54	59.41	
15	59.57	60.22	61.63	60.52	60.95	62.23	61.63	60.64	60.12	59.73	59.53	59.40	
16	59.68	60.12	61.28	60.80	60.97	62.12	61.74	60.60	60.13	59.73	59.53	59.40	
17	59.63	60.10	61.01	61.16	60.93	62.11	61.89	60.52	60.07	59.73	59.53	59.40	
18	59.84	60.00	60.82	61.68	60.99	61.84	62.02	60.51	60.05	59.72	59.53	59.40	
19	59.76	60.46	60.62	61.62	61.51	61.70	63.12	60.54	60.02	59.72	59.52	59.40	
20	59.68	60.51	60.49	61.27	61.85	61.60	63.88	60.55	59.99	59.70	59.52	59.42	
21	59.66	60.27	60.43	61.05	62.23	61.57	64.33	60.53	59.98	59.69	59.51	59.41	
22	59.64	60.53	60.36	60.99	62.14	61.90	63.25	60.50	59.96	59.68	59.49	59.41	
23	59.61	61.32	60.35	61.08	62.01	61.85	62.79	60.51	59.95	59.67	59.48	59.41	
24	59.58	61.02	60.35	60.79	61.76	61.59	62.72	60.51	59.92	59.66	59.48	59.41	
25	59.55	60.74	60.31	60.63	61.45	61.45	62.21	60.51	59.91	59.65	59.48	59.41	
26	59.52	60.66	60.23	60.51	61.20	61.39	61.88	60.51	59.92	59.65	59.48	59.41	
27	59.51	60.60	60.16	60.42	61.05	61.25	61.66	60.50	59.91	59.64	59.47	59.40	
28	59.49	60.51	60.13	60.35	60.92	61.07	61.49	60.49	59.89	59.64	59.47	59.39	
29	59.51	60.62	60.08	60.35	60.84	60.98	61.34	60.46	59.88	59.63		59.39	
30	59.83	60.38	60.02	60.72	60.87	61.05	61.22	60.46	59.87	59.63		59.40	
31		60.31		61.09	60.91		61.15		59.86	59.62		59.45	
MEAN	59.54	60.23	60.60	60.65	60.98	62.27	62.13	60.66	60.12	59.73	59.54	59.42	
MAX	59.84	61.32	61.63	61.68	62.23	65.00	64.33	61.06	60.46	59.85	59.62	59.46	65.00
MIN	59.38	59.64	60.02	60.00	60.31	60.97	61.15	60.46	59.86	59.62	59.47	59.39	59.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 65.20 M (MSL), AT 17.00 HOURS, ON SEP 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 59.00 M (MSL), RIVER BED 57.72 M (MSL)
LEFT BANK ELEVATION 68.84 M (MSL)
RIGHT BANK ELEVATION 69.58 M (MSL), DRAINAGE AREA 12658 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.10	9.60	33.00	19.00	80.00	75.30	145.70	84.00	39.60	11.50	6.40	3.90	
2	4.80	8.00	28.00	16.00	61.00	94.60	272.40	76.20	37.80	11.20	6.20	3.90	
3	4.50	6.80	20.50	16.50	52.80	141.80	326.00	70.80	36.60	10.90	6.00	3.75	
4	4.20	6.80	18.50	33.00	47.40	294.00	294.00	67.40	36.60	10.90	5.85	3.75	
5	3.75	7.60	28.00	28.50	42.00	473.80	223.80	64.20	35.00	10.60	5.85	3.75	
6	3.60	7.40	36.00	29.50	40.20	567.40	178.60	63.40	34.50	10.30	5.70	3.75	
7	3.60	7.20	31.50	32.00	39.00	559.60	218.90	60.30	32.00	10.30	5.55	3.60	
8	3.45	12.40	52.20	63.40	35.00	473.80	209.60	57.50	30.00	10.00	5.55	3.45	
9	3.15	24.50	118.40	61.80	31.50	578.40	166.20	55.40	27.50	9.80	5.40	3.30	
10	3.00	37.20	114.80	46.80	31.50	974.00	153.50	57.50	28.50	9.60	5.55	3.15	
11	2.70	26.00	77.10	37.20	34.00	762.00	186.35	58.90	26.00	9.40	5.70	3.45	
12	2.70	22.50	104.50	34.00	37.80	549.20	192.55	54.70	26.50	9.00	5.55	3.45	
13	2.70	27.50	97.90	36.60	45.00	380.60	158.70	52.20	26.50	8.80	5.25	3.30	
14	3.15	19.50	97.90	38.40	83.00	279.60	153.50	50.40	24.00	8.60	5.10	3.15	
15	5.55	27.00	150.90	43.20	73.50	245.40	150.90	50.40	22.00	8.60	4.95	3.00	
16	7.60	22.00	107.80	61.00	75.30	225.60	166.20	48.00	22.50	8.60	4.95	3.00	
17	6.60	21.00	79.00	94.60	71.70	223.80	189.45	43.20	19.50	8.60	4.95	3.00	
18	11.20	16.00	62.60	157.40	77.10	181.70	209.60	42.60	18.50	8.40	4.95	3.00	
19	9.20	39.60	49.20	149.60	135.30	160.00	422.40	44.40	17.00	8.40	4.80	3.00	
20	7.60	42.60	41.40	106.70	183.25	147.00	620.40	45.00	15.70	8.00	4.80	3.30	
21	7.20	29.50	37.80	83.00	245.40	143.10	753.00	43.80	15.40	7.80	4.65	3.15	
22	6.80	43.80	34.00	77.10	229.20	191.00	453.00	42.00	14.80	7.60	4.35	3.15	
23	6.20	112.40	33.50	86.00	208.05	183.25	350.00	42.60	14.50	7.40	4.20	3.15	
24	5.70	80.00	33.50	60.30	169.30	145.70	336.00	42.60	13.60	7.20	4.20	3.15	
25	5.25	56.80	31.50	49.80	128.00	128.00	241.80	42.60	13.30	7.00	4.20	3.15	
26	4.80	51.60	27.50	42.60	99.00	120.80	187.90	42.60	13.60	7.00	4.20	3.15	
27	4.65	48.00	24.00	37.20	83.00	104.50	154.80	42.00	13.30	6.80	4.05	3.00	
28	4.35	42.60	22.50	33.50	70.80	85.00	132.80	41.40	12.70	6.80	4.05	2.85	
29	4.65	49.20	20.00	33.50	64.20	76.20	114.80	39.60	12.40	6.60		2.85	
30	10.90	35.00	17.00	55.40	66.60	83.00	101.20	39.60	12.10	6.60		3.00	
31		31.50		87.00	69.90		93.50		11.80	6.40		3.75	
TOTAL	158.65	971.60	1630.50	1750.60	2709.80	8648.15	7557.55	1565.30	703.80	268.70	142.95	102.30	26209.90 CMSDAY
MEAN	5.29	31.34	54.35	56.47	87.41	288.27	243.79	52.18	22.70	8.67	5.11	3.30	71.81 CMS
MAX	11.20	112.40	150.90	157.40	245.40	974.00	753.00	84.00	39.60	11.50	6.40	3.90	974.00 CMS
MIN	2.70	6.80	17.00	16.00	31.50	75.30	93.50	39.60	11.80	6.40	4.05	2.85	2.70 CMS
RUNOFF	13.707	83.946	140.875	151.252	234.127	747.200	652.972	135.242	60.808	23.216	12.351	8.839	2264.536 MCM

MOMENTARY PEAK 1042.00 CMS, AT 65.20 M (MSL), AT 17.00 HOURS, ON SEP 10, 1984

RUNOFF YIELD 5.67 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 82.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

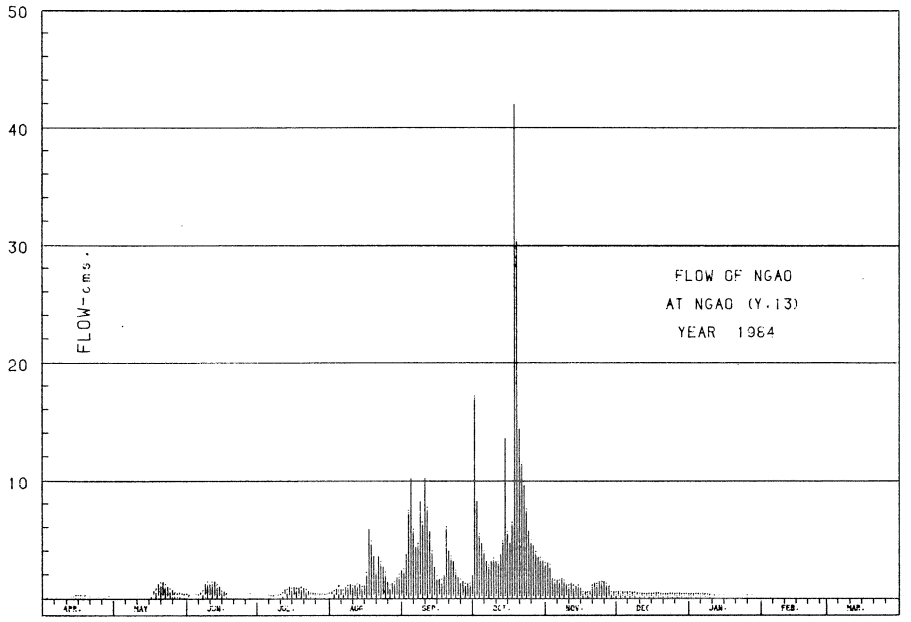
NGAO RIVER AT NGAO, LAMPANG (Y.13)

LOCATION	LAT. 18-45-06 N., LONG. 99-58-53 E., ON LEFT BANK DOWNSTREAM AT THE BRIDGE ON HIGHWAY, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	382 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+266.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 5.00 METERS UPSTREAM FROM THE GAGE SITE.
ELEVATION	+273.180 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1957-1958, 1969, 1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1957-1958, 1969, 1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY THE WEIR BUILT BY THE LOCAL RESIDENTS. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	266.35	266.43	266.51	266.49	266.59	266.87	267.43	266.77	266.60	266.54	266.47	266.41	
2	266.35	266.45	266.48	266.48	266.63	266.95	267.17	266.76	266.60	266.54	266.46	266.41	
3	266.34	266.43	266.49	266.48	266.65	267.14	267.05	266.68	266.59	266.54	266.47	266.40	
4	266.35	266.43	266.52	266.50	266.64	267.24	267.01	266.67	266.58	266.54	266.47	266.39	
5	266.35	266.42	266.52	266.50	266.64	267.07	266.97	266.67	266.59	266.54	266.47	266.39	
6	266.36	266.42	266.57	266.49	266.64	266.99	266.91	266.67	266.59	266.54	266.46	266.39	
7	266.36	266.42	266.63	266.49	266.69	267.01	266.89	266.68	266.58	266.53	266.46	266.40	
8	266.36	266.44	266.75	266.51	266.73	267.17	266.91	266.67	266.58	266.53	266.45	266.40	
9	266.38	266.46	266.79	266.51	266.74	267.10	266.93	266.64	266.56	266.52	266.44	266.40	
10	266.38	266.45	266.74	266.53	266.73	267.24	266.91	266.64	266.55	266.51	266.44	266.40	
11	266.39	266.45	266.79	266.58	266.72	267.15	266.91	266.65	266.55	266.49	266.44	266.40	
12	266.41	266.44	266.79	266.64	266.75	267.06	266.95	266.64	266.54	266.49	266.43	266.40	
13	266.43	266.44	266.75	266.66	266.74	266.97	267.02	266.63	266.54	266.49	266.43	266.40	
14	266.50	266.45	266.70	266.70	266.71	266.88	267.34	266.64	266.55	266.49	266.43	266.39	
15	266.51	266.49	266.62	266.68	266.72	266.83	267.06	266.62	266.55	266.48	266.44	266.39	
16	266.51	266.56	266.60	266.69	266.85	266.81	267.01	266.60	266.55	266.48	266.44	266.39	
17	266.50	266.61	266.56	266.68	267.07	266.81	267.10	266.59	266.57	266.50	266.44	266.38	
18	266.50	266.67	266.50	266.68	267.02	266.83	267.90	266.59	266.56	266.50	266.44	266.38	
19	266.46	266.75	266.50	266.70	266.94	267.08	267.45	266.60	266.55	266.50	266.43	266.38	
20	266.43	266.78	266.50	266.67	266.86	266.97	267.11	266.64	266.53	266.49	266.43	266.38	
21	266.40	266.78	266.50	266.65	266.94	266.94	267.04	266.65	266.54	266.49	266.43	266.38	
22	266.38	266.75	266.48	266.61	266.91	266.91	266.99	266.65	266.54	266.50	266.43	266.38	
23	266.39	266.70	266.49	266.56	266.88	266.86	266.94	266.66	266.55	266.50	266.42	266.38	
24	266.40	266.67	266.48	266.56	266.85	266.82	266.89	266.66	266.55	266.49	266.42	266.38	
25	266.40	266.63	266.47	266.55	266.78	266.81	266.86	266.66	266.54	266.49	266.42	266.37	
26	266.49	266.58	266.50	266.54	266.74	266.79	266.84	266.65	266.55	266.49	266.42	266.37	
27	266.48	266.55	266.55	266.54	266.76	266.76	266.82	266.63	266.55	266.48	266.42	266.36	
28	266.44	266.57	266.51	266.53	266.79	266.75	266.80	266.60	266.54	266.48	266.42	266.34	
29	266.42	266.55	266.49	266.53	266.82	266.76	266.80	266.59	266.54	266.48		266.33	
30	266.40	266.54	266.47	266.54	266.84	266.83	266.78	266.59	266.54	266.48		266.33	
31		266.54		266.57	266.86		266.77		266.54	266.47		266.34	
MEAN	266.41	266.54	266.58	266.58	266.78	266.95	267.02	266.65	266.56	266.50	266.44	266.38	
MAX	266.51	266.78	266.79	266.70	267.07	267.24	267.90	266.77	266.60	266.54	266.47	266.41	267.90
MIN	266.34	266.42	266.47	266.48	266.59	266.75	266.77	266.59	266.53	266.47	266.42	266.33	266.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 269.39 M (MSL), AT 18.00 HOURS, ON OCT 18, 1984
ZERO GAGE AT BOTTOM ELEVATION 266.30 M (MSL), RIVER BED 265.75 M (MSL)
LEFT BANK ELEVATION 275.23 M (MSL)
RIGHT BANK ELEVATION 275.24 M (MSL), DRAINAGE AREA 382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.19	0.33	0.28	0.57	2.55	17.20	3.05	0.60	0.42	0.26	0.16	
2	0.07	0.22	0.27	0.27	0.72	3.75	8.25	2.90	0.60	0.42	0.24	0.16	
3	0.06	0.19	0.28	0.27	0.80	7.50	5.50	1.72	0.57	0.42	0.26	0.15	
4	0.07	0.19	0.36	0.30	0.76	10.20	4.70	1.58	0.54	0.42	0.26	0.13	
5	0.07	0.18	0.36	0.30	0.76	5.90	4.05	1.58	0.57	0.42	0.26	0.13	
6	0.09	0.18	0.51	0.28	0.76	4.35	3.15	1.58	0.57	0.42	0.24	0.13	
7	0.09	0.18	0.72	0.28	0.96	4.70	2.85	1.72	0.54	0.39	0.24	0.15	
8	0.09	0.21	1.25	0.33	1.15	8.25	3.15	1.58	0.54	0.39	0.22	0.15	
9	0.12	0.24	1.45	0.33	1.20	6.50	3.45	1.16	0.48	0.36	0.21	0.15	
10	0.12	0.22	1.20	0.39	1.15	10.20	3.15	1.16	0.45	0.33	0.21	0.15	
11	0.13	0.22	1.45	0.54	1.10	7.75	3.15	1.30	0.45	0.28	0.21	0.15	
12	0.16	0.21	1.45	0.76	1.25	5.70	3.75	1.16	0.42	0.28	0.19	0.15	
13	0.19	0.21	1.25	0.84	1.20	4.05	4.90	1.02	0.42	0.28	0.19	0.15	
14	0.30	0.22	1.00	1.00	1.05	2.70	13.60	1.16	0.45	0.28	0.19	0.13	
15	0.33	0.28	0.68	0.92	1.10	1.95	5.70	0.88	0.45	0.27	0.21	0.13	
16	0.33	0.48	0.60	0.96	2.25	1.65	4.70	0.60	0.45	0.27	0.21	0.13	
17	0.30	0.64	0.48	0.92	5.90	1.65	6.50	0.57	0.51	0.30	0.21	0.12	
18	0.30	0.88	0.30	0.92	4.90	1.95	42.00	0.57	0.48	0.30	0.21	0.12	
19	0.24	1.25	0.30	1.00	3.60	6.10	30.50	0.60	0.45	0.30	0.19	0.12	
20	0.19	1.40	0.30	0.88	2.40	4.05	14.40	1.16	0.39	0.28	0.19	0.12	
21	0.15	1.40	0.30	0.80	3.60	3.60	11.60	1.30	0.42	0.28	0.19	0.12	
22	0.12	1.25	0.27	0.64	3.15	3.15	9.60	1.30	0.42	0.30	0.19	0.12	
23	0.13	1.00	0.28	0.48	2.70	2.40	7.60	1.44	0.45	0.30	0.18	0.12	
24	0.15	0.88	0.27	0.48	2.25	1.80	5.75	1.44	0.45	0.28	0.18	0.12	
25	0.15	0.72	0.26	0.45	1.40	1.65	5.00	1.44	0.42	0.28	0.18	0.11	
26	0.28	0.54	0.30	0.42	1.20	1.45	4.50	1.30	0.45	0.28	0.18	0.11	
27	0.27	0.45	0.45	0.42	1.30	1.30	4.00	1.02	0.45	0.27	0.18	0.09	
28	0.21	0.51	0.33	0.39	1.45	1.25	3.50	0.60	0.42	0.27	0.18	0.06	
29	0.18	0.45	0.28	0.39	1.80	1.30	3.50	0.57	0.42	0.27		0.04	
30	0.15	0.42	0.26	0.42	2.10	1.95	3.20	0.57	0.42	0.27		0.04	
31		0.42		0.51	2.40		3.05		0.42	0.26		0.06	
TOTAL	5.11	15.83	17.54	17.17	56.93	121.30	245.95	38.03	14.67	9.89	5.86	3.77	552.05 CMSDAY
MEAN	0.17	0.51	0.58	0.55	1.84	4.04	7.93	1.27	0.47	0.32	0.21	0.12	1.51 CMS
MAX	0.33	1.40	1.45	1.00	5.90	10.20	42.00	3.05	0.60	0.42	0.26	0.16	42.00 CMS
MIN	0.06	0.18	0.26	0.27	0.57	1.25	2.85	0.57	0.39	0.26	0.18	0.04	0.04 CMS
RUNOFF	0.442	1.368	1.515	1.483	4.919	10.480	21.250	3.286	1.267	0.854	0.506	0.326	47.697 MCM

MOMENTARY PEAK 198.60 CMS, AT 269.39 M (MSL), AT 18.00 HOURS, ON OCT 18, 1984

RUNOFF YIELD 3.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 519.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

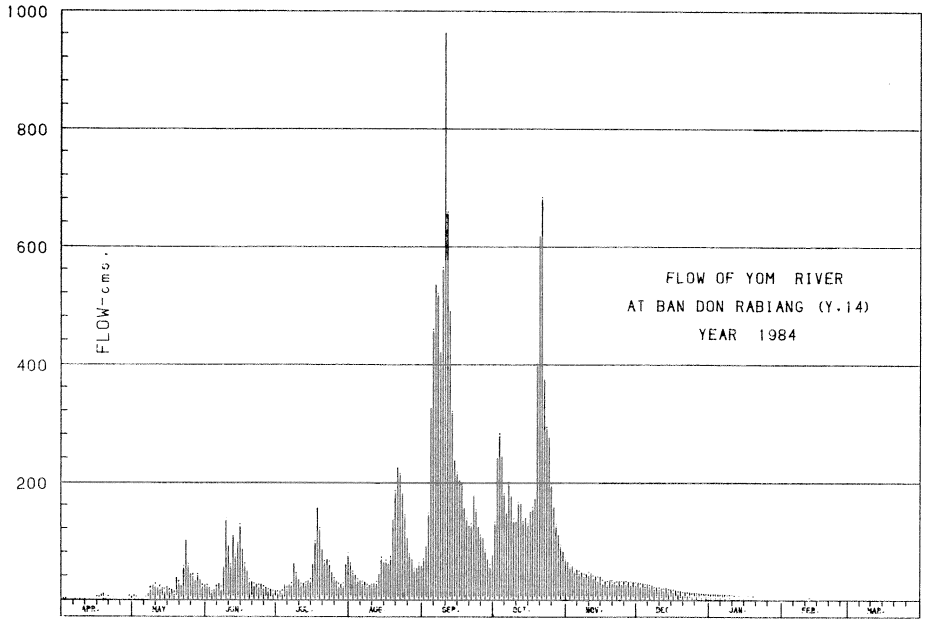
YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17-35-42 N., LONG. 99-43-08 E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+65.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+78.363 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964 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 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	65.75	65.94	66.36	66.14	66.94	67.03	67.68	66.96	66.43	65.98	65.82	65.69	
2	65.74	65.88	66.25	66.10	66.73	67.25	68.56	66.90	66.42	65.98	65.82	65.68	
3	65.71	65.84	66.13	66.17	66.63	67.82	68.86	66.85	66.40	65.98	65.81	65.68	
4	65.69	65.89	66.16	66.34	66.55	69.13	68.58	66.80	66.38	65.98	65.81	65.68	
5	65.68	65.89	66.33	66.29	66.49	69.87	68.10	66.77	66.37	65.97	65.80	65.67	
6	65.67	65.85	66.39	66.34	66.48	70.24	67.81	66.74	66.36	65.97	65.79	65.66	
7	65.66	65.99	66.31	66.43	66.44	70.17	68.25	66.70	66.33	65.96	65.79	65.66	
8	65.65	66.29	66.82	66.91	66.38	69.67	68.06	66.67	66.28	65.95	65.79	65.66	
9	65.63	66.33	67.74	66.69	66.33	70.38	67.73	66.66	66.27	65.95	65.79	65.66	
10	65.62	66.41	67.26	66.52	66.37	72.06	67.68	66.71	66.27	65.93	65.79	65.65	
11	65.61	66.22	66.90	66.40	66.39	70.80	67.99	66.68	66.23	65.92	65.78	65.65	
12	65.60	66.34	67.46	66.40	66.48	70.02	67.96	66.63	66.23	65.91	65.77	65.65	
13	65.61	66.24	67.10	66.45	66.65	69.10	67.69	66.60	66.25	65.90	65.76	65.64	
14	65.75	66.23	67.33	66.48	67.06	68.53	67.74	66.59	66.21	65.89	65.76	65.63	
15	65.86	66.29	67.65	66.55	66.93	68.38	67.65	66.60	66.20	65.91	65.76	65.63	
16	65.86	66.21	67.20	66.89	67.00	68.27	67.83	66.52	66.19	65.90	65.75	65.63	
17	65.97	66.18	66.92	67.36	66.90	68.22	67.91	66.47	66.15	65.89	65.74	65.62	
18	66.01	66.11	66.73	67.89	67.07	67.89	68.03	66.48	66.13	65.89	65.74	65.62	
19	65.92	66.57	66.54	67.59	67.71	67.74	69.57	66.51	66.12	65.88	65.74	65.62	
20	65.89	66.49	66.46	67.19	68.14	67.62	70.62	66.51	66.10	65.88	65.73	65.62	
21	65.87	66.31	66.41	66.98	68.44	67.66	70.91	66.46	66.08	65.88	65.73	65.62	
22	65.84	66.86	66.37	67.01	68.36	68.07	69.42	66.47	66.08	65.87	65.72	65.62	
23	65.80	67.37	66.37	66.97	68.10	67.87	68.93	66.49	66.07	65.86	65.71	65.62	
24	65.77	66.91	66.37	66.70	67.79	67.60	68.81	66.49	66.04	65.85	65.70	65.62	
25	65.75	66.66	66.32	66.57	67.41	67.47	68.23	66.48	66.04	65.84	65.70	65.62	
26	65.74	66.67	66.26	66.48	67.12	67.41	67.90	66.48	66.04	65.84	65.70	65.61	
27	65.73	66.48	66.22	66.41	67.01	67.20	67.65	66.46	66.02	65.84	65.70	65.61	
28	65.71	66.67	66.19	66.37	66.80	67.01	67.47	66.46	66.02	65.84	65.69	65.61	
29	65.92	66.51	66.15	66.42	66.80	66.89	67.29	66.45	66.01	65.83		65.61	
30	65.85	66.37	66.12	66.89	66.94	67.09	67.16	66.44	66.01	65.83		65.60	
31		66.34		67.14	66.85		67.05		65.99	65.83		65.60	
MEAN	65.76	66.33	66.63	66.68	67.01	68.48	68.23	66.60	66.18	65.90	65.76	65.64	
MAX	66.01	67.37	67.74	67.89	68.44	72.06	70.91	66.96	66.43	65.98	65.82	65.69	72.06
MIN	65.60	65.84	66.12	66.10	66.33	66.89	67.05	66.44	65.99	65.83	65.69	65.60	65.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 72.15 M (MSL), AT 13.00 HOURS, ON SEP 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 65.10 M (MSL), RIVER BED 63.40 M (MSL)
LEFT BANK ELEVATION 78.17 M (MSL)
RIGHT BANK ELEVATION 76.89 M (MSL), DRAINAGE AREA 12131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.00	8.20	26.00	15.60	63.80	70.70	132.80	65.20	29.50	9.40	4.60	1.90	
2	2.80	6.40	20.50	14.00	49.10	90.50	240.80	61.00	29.00	9.40	4.60	1.80	
3	2.20	5.20	15.20	16.80	42.10	148.20	283.00	57.50	28.00	9.40	4.30	1.80	
4	1.90	6.70	16.40	25.00	36.50	325.80	243.40	54.00	27.00	9.40	4.30	1.80	
5	1.80	6.70	24.50	22.50	32.50	460.00	181.00	51.90	26.50	9.10	4.00	1.70	
6	1.70	5.50	27.50	25.00	32.00	535.40	147.10	49.80	26.00	9.10	3.80	1.60	
7	1.60	9.70	23.50	29.50	30.00	520.70	200.50	47.00	24.50	8.80	3.80	1.60	
8	1.50	22.50	55.40	61.70	27.00	420.30	175.80	44.90	22.00	8.50	3.80	1.60	
9	1.30	24.50	139.40	46.30	24.50	564.80	138.30	44.20	21.50	8.50	3.80	1.60	
10	1.20	28.50	91.40	34.40	26.50	963.20	132.80	47.70	21.50	7.90	3.80	1.50	
11	1.10	19.00	61.00	28.00	27.50	659.00	166.90	45.60	19.50	7.60	3.60	1.50	
12	1.00	25.00	109.40	28.00	32.00	490.00	163.60	42.10	19.50	7.30	3.40	1.50	
13	1.10	20.00	77.00	30.50	43.50	321.00	133.90	40.00	20.50	7.00	3.20	1.40	
14	3.00	19.50	97.70	32.00	73.40	236.90	139.40	39.30	18.50	6.70	3.20	1.30	
15	5.80	22.50	129.50	36.50	63.10	217.40	129.50	40.00	18.00	7.30	3.20	1.30	
16	5.80	18.50	86.00	60.30	68.00	203.10	149.30	34.40	17.60	7.00	3.00	1.30	
17	9.10	17.20	62.40	100.40	61.00	196.60	158.10	31.50	16.00	6.70	2.80	1.20	
18	10.40	14.40	49.10	155.90	74.30	155.90	171.90	32.00	15.20	6.70	2.80	1.20	
19	7.60	37.90	35.80	122.90	136.10	139.40	401.60	33.70	14.80	6.40	2.80	1.20	
20	6.70	32.50	31.00	85.10	186.20	126.20	617.60	33.70	14.00	6.40	2.60	1.20	
21	6.10	23.50	28.50	66.60	225.20	130.60	684.30	31.00	13.20	6.40	2.60	1.20	
22	5.20	58.20	26.50	68.90	214.80	177.10	374.60	31.50	13.20	6.10	2.40	1.20	
23	4.00	101.30	26.50	65.90	181.00	153.70	293.80	32.50	12.80	5.80	2.20	1.20	
24	3.40	61.70	26.50	47.00	144.90	124.00	275.50	32.50	11.60	5.50	2.00	1.20	
25	3.00	44.20	24.00	37.90	104.90	110.30	197.90	32.00	11.60	5.20	2.00	1.20	
26	2.80	44.90	21.00	32.00	78.80	104.90	157.00	32.00	11.60	5.20	2.00	1.10	
27	2.60	32.00	19.00	28.50	68.90	86.00	129.50	31.00	10.80	5.20	2.00	1.10	
28	2.20	44.90	17.60	26.50	54.00	68.90	110.30	31.00	10.80	5.20	1.90	1.10	
29	7.60	33.70	16.00	29.00	54.00	60.30	94.10	30.50	10.40	4.90		1.10	
30	5.50	26.50	14.80	60.30	63.80	76.10	82.40	30.00	10.40	4.90		1.00	
31		25.00		80.60	57.50		72.50		9.70	4.90		1.00	
TOTAL	113.00	846.30	1399.10	1513.60	2376.90	7937.00	6579.20	1209.50	555.20	217.90	88.50	42.40	22878.60 CMSDAY
MEAN	3.77	27.30	46.64	48.83	76.67	264.57	212.23	40.32	17.91	7.03	3.16	1.37	62.68 CMS
MAX	10.40	101.30	139.40	155.90	225.20	963.20	684.30	65.20	29.50	9.40	4.60	1.90	963.20 CMS
MIN	1.00	5.20	14.80	14.00	24.50	60.30	72.50	30.00	9.70	4.90	1.90	1.00	1.00 CMS
RUNOFF	9.763	73.120	120.882	130.775	205.364	685.757	568.443	104.501	47.969	18.827	7.646	3.663	1976.711 MCM

MOMENTARY PEAK 987.50 CMS, AT 72.15 M (MSL), AT 13.00 HOURS, ON SEP 10, 1984

RUNOFF YIELD 5.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 81.40 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

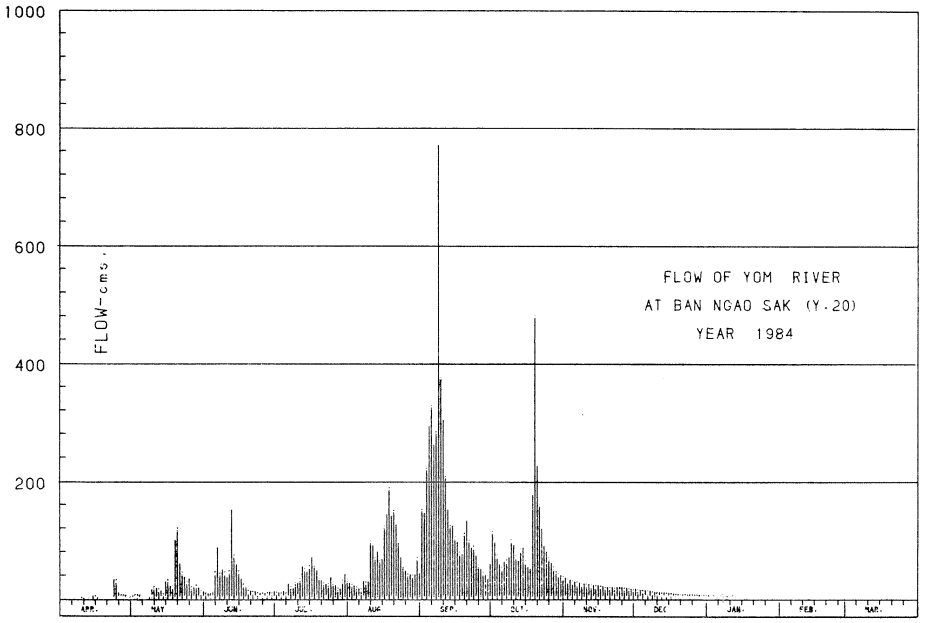
YOM RIVER AT BAN NGAO SAK, PHRAE (Y.20)

LOCATION	LAT. 18-35-03 N., LONG. 100-09-17 E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.
DRAINAGE AREA	5,410 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+180.976 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+193.552 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 90 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	181.41	181.62	181.73	181.75	182.06	183.93	183.46	182.24	181.86	181.62	181.53	181.43	
2	181.41	181.67	181.70	181.74	182.02	183.85	183.19	182.20	181.84	181.62	181.53	181.43	
3	181.41	181.67	181.70	181.73	181.97	184.60	182.88	182.17	181.82	181.62	181.52	181.42	
4	181.41	181.65	181.73	181.77	181.93	185.16	182.62	182.15	181.82	181.61	181.52	181.41	
5	181.41	181.57	182.42	181.73	181.86	185.41	182.53	182.11	181.81	181.61	181.51	181.41	
6	181.41	181.56	183.06	182.03	181.86	184.93	182.68	182.10	181.80	181.60	181.50	181.41	
7	181.40	181.56	182.37	181.95	182.12	185.09	182.74	182.07	181.79	181.60	181.50	181.41	
8	181.41	181.69	182.46	181.87	182.10	187.51	182.81	182.05	181.77	181.60	181.50	181.41	
9	181.53	181.84	182.40	182.08	182.10	185.73	183.26	182.04	181.75	181.59	181.50	181.41	
10	181.45	181.95	182.24	182.06	183.23	185.23	183.12	182.03	181.75	181.59	181.50	181.41	
11	181.43	181.88	182.44	182.22	183.11	184.47	182.87	182.02	181.74	181.59	181.49	181.40	
12	181.49	181.88	183.92	182.55	182.80	183.92	182.71	182.01	181.73	181.58	181.49	181.40	
13	181.48	181.79	182.88	182.49	182.96	183.60	183.03	181.99	181.73	181.58	181.48	181.39	
14	181.73	181.71	182.61	182.40	182.72	183.59	183.06	181.98	181.73	181.57	181.47	181.39	
15	181.62	182.11	182.44	182.59	182.76	183.32	182.72	181.98	181.72	181.57	181.47	181.39	
16	181.51	182.18	182.20	182.81	183.59	183.20	182.53	181.96	181.71	181.56	181.47	181.39	
17	181.49	181.95	182.03	182.63	183.83	182.95	182.60	181.95	181.70	181.56	181.47	181.38	
18	181.48	181.98	181.90	182.44	184.30	182.91	184.18	181.92	181.69	181.56	181.47	181.38	
19	181.48	183.24	181.82	182.29	183.80	183.41	186.31	181.92	181.68	181.56	181.47	181.38	
20	181.47	183.54	181.79	182.16	183.91	183.70	184.63	181.92	181.68	181.56	181.46	181.38	
21	181.46	182.63	181.78	182.07	183.62	183.24	184.02	181.92	181.67	181.55	181.45	181.37	
22	181.44	182.40	181.77	182.02	183.16	183.06	183.52	181.90	181.67	181.55	181.45	181.37	
23	182.19	182.26	181.74	182.05	182.81	183.10	183.19	181.92	181.66	181.55	181.45	181.37	
24	182.18	182.12	181.71	182.25	182.53	182.86	182.96	181.92	181.66	181.55	181.45	181.37	
25	181.73	182.21	181.73	182.10	182.43	182.60	182.80	181.92	181.66	181.55	181.44	181.37	
26	181.65	181.94	181.71	181.98	182.34	182.48	182.66	181.90	181.65	181.54	181.44	181.36	
27	181.66	181.90	181.74	181.90	182.33	182.39	182.54	181.89	181.65	181.54	181.44	181.36	
28	181.64	182.00	181.75	181.86	182.31	182.31	182.46	181.88	181.64	181.54	181.44	181.36	
29	181.62	181.89	181.73	182.16	182.33	182.31	182.36	181.86	181.64	181.53		181.35	
30	181.55	181.80	181.77	182.34	182.81	182.63	182.31	181.86	181.64	181.53		181.35	
31		181.76		182.20	182.36		182.28		181.63	181.53		181.35	
MEAN	181.55	182.00	182.11	182.14	182.71	183.78	183.07	181.99	181.72	181.57	181.48	181.39	
MAX	182.19	183.54	183.92	182.81	184.30	187.51	186.31	182.24	181.86	181.62	181.53	181.43	187.51
MIN	181.40	181.56	181.70	181.73	181.86	182.31	182.28	181.86	181.63	181.53	181.44	181.35	181.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 188.38 M (MSL), AT 11.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 180.98 M (MSL), RIVER BED 179.55 M (MSL)
LEFT BANK ELEVATION 193.50 M (MSL)
RIGHT BANK ELEVATION 193.44 M (MSL), DRAINAGE AREA 5410 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	6.80	11.50	12.50	28.00	153.70	116.20	37.40	18.00	6.80	3.90	1.60	
2	1.20	8.80	10.00	12.00	26.00	146.50	97.30	35.00	17.00	6.80	3.90	1.60	
3	1.20	8.80	10.00	11.50	23.50	223.00	75.80	33.50	16.00	6.80	3.60	1.40	
4	1.20	8.00	11.50	13.50	21.50	294.40	60.20	32.50	16.00	6.40	3.60	1.20	
5	1.20	5.10	48.20	11.50	18.00	329.40	54.80	30.50	15.50	6.40	3.30	1.20	
6	1.20	4.80	88.20	26.50	18.00	262.20	63.80	30.00	15.00	6.00	3.00	1.20	
7	1.00	4.80	45.20	22.50	31.00	284.60	67.40	28.50	14.50	6.00	3.00	1.20	
8	1.20	9.60	50.60	18.50	30.00	771.00	71.60	27.50	13.50	6.00	3.00	1.20	
9	3.90	17.00	47.00	29.00	30.00	376.80	102.20	27.00	12.50	5.70	3.00	1.20	
10	2.00	22.50	37.40	28.00	100.10	304.20	92.40	26.50	12.50	5.70	3.00	1.20	
11	1.60	19.00	49.40	36.20	91.70	208.70	75.20	26.00	12.00	5.70	2.80	1.00	
12	2.80	19.00	152.80	56.00	71.00	152.80	65.60	25.50	11.50	5.40	2.80	1.00	
13	2.60	14.50	75.80	52.40	81.20	126.00	86.10	24.50	11.50	5.40	2.60	0.90	
14	11.50	10.50	59.60	47.00	66.20	125.30	88.20	24.00	11.50	5.10	2.40	0.90	
15	6.80	30.50	49.40	58.40	68.60	106.40	66.20	24.00	11.00	5.10	2.40	0.90	
16	3.30	34.00	35.00	71.60	125.30	98.00	54.80	23.00	10.50	4.80	2.40	0.90	
17	2.80	22.50	26.50	60.80	144.70	80.50	59.00	22.50	10.00	4.80	2.40	0.80	
18	2.60	24.00	20.00	49.40	190.00	77.70	178.00	21.00	9.60	4.80	2.40	0.80	
19	2.60	100.80	16.00	40.40	142.00	112.70	482.00	21.00	9.20	4.80	2.40	0.80	
20	2.40	121.80	14.50	33.00	151.90	134.00	226.30	21.00	9.20	4.80	2.20	0.80	
21	2.20	60.80	14.00	28.50	127.60	100.80	162.00	21.00	8.80	4.50	2.00	0.70	
22	1.80	47.00	13.50	26.00	95.20	88.20	120.40	20.00	8.80	4.50	2.00	0.70	
23	34.50	38.60	12.00	27.50	71.60	91.00	97.30	21.00	8.40	4.50	2.00	0.70	
24	34.00	31.00	10.50	38.00	54.80	74.60	81.20	21.00	8.40	4.50	2.00	0.70	
25	11.50	35.60	11.50	30.00	48.80	59.00	71.00	21.00	8.40	4.50	1.80	0.70	
26	8.00	22.00	10.50	24.00	43.40	51.80	62.60	20.00	8.00	4.20	1.80	0.60	
27	8.40	20.00	12.00	20.00	42.80	46.40	55.40	19.50	8.00	4.20	1.80	0.60	
28	7.60	25.00	12.50	18.00	41.60	41.60	50.60	19.00	7.60	4.20	1.80	0.60	
29	6.80	19.50	11.50	33.00	42.80	41.60	44.60	18.00	7.60	3.90		0.50	
30	4.50	15.00	13.50	43.40	71.60	60.80	41.60	18.00	7.60	3.90		0.50	
31		13.00		35.00	44.60		39.80		7.20	3.90		0.50	
TOTAL	173.60	820.30	980.10	1014.10	2143.50	5023.70	3009.60	739.40	345.30	160.10	73.30	28.60	14511.60 CMSDAY
MEAN	5.79	26.46	32.67	32.71	69.15	167.46	97.08	24.65	11.14	5.16	2.62	0.92	39.76 CMS
MAX	34.50	121.80	152.80	71.60	190.00	771.00	482.00	37.40	18.00	6.80	3.90	1.60	771.00 CMS
MIN	1.00	4.80	10.00	11.50	18.00	41.60	39.80	18.00	7.20	3.90	1.80	0.50	0.50 CMS
RUNOFF	14.999	70.874	84.681	87.618	185.198	434.048	260.029	63.884	29.834	13.833	6.333	2.471	1253.802 MCM

MOMENTARY PEAK 1035.60 CMS, AT 188.38 M (MSL), AT 11.00 HOURS, ON SEP 8, 1984

RUNOFF YIELD 7.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 191.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

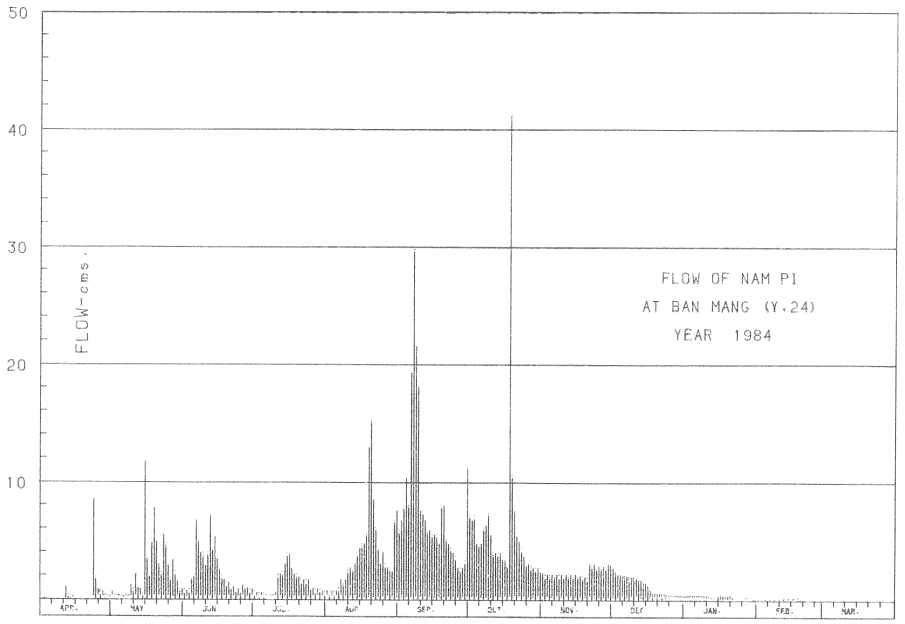
NAM PI AT BAN MANG, PHAYAO (Y.24)

LOCATION	LAT. 18-53-04 N., LONG. 100-17-24 E., ON RIGHT BANK UPSTREAM OF THE BRIDGE OF PONG SANUK-CHIANG MUAN ROAD, BAN MANG, AMPHOE CHIANG MUAN, PHAYAO.
DRAINAGE AREA	597 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.035 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.42	1.53	1.56	1.54	1.54	1.90	1.96	1.69	1.72	1.50	1.42	1.40	
2	1.42	1.50	1.54	1.52	1.54	1.94	1.94	1.68	1.70	1.50	1.40	1.40	
3	1.40	1.50	1.56	1.52	1.54	2.00	1.96	1.68	1.68	1.50	1.43	1.40	
4	1.40	1.48	1.64	1.52	1.54	2.09	1.84	1.68	1.68	1.50	1.42	1.38	
5	1.40	1.48	1.68	1.52	1.54	2.00	1.84	1.68	1.67	1.50	1.42	1.39	
6	1.38	1.46	1.94	1.50	1.58	2.38	1.84	1.68	1.67	1.50	1.42	1.39	
7	1.38	1.48	1.86	1.50	1.64	2.64	1.91	1.68	1.67	1.50	1.42	1.39	
8	1.38	1.48	1.80	1.50	1.64	2.44	1.92	1.68	1.66	1.50	1.42	1.38	
9	1.41	1.60	1.80	1.50	1.64	2.35	1.97	1.68	1.66	1.50	1.42	1.38	
10	1.38	1.57	1.73	1.52	1.71	1.98	1.88	1.68	1.66	1.50	1.42	1.38	
11	1.58	1.68	1.80	1.68	1.72	1.98	1.80	1.68	1.65	1.48	1.42	1.38	
12	1.50	1.61	1.96	1.68	1.72	1.94	1.80	1.68	1.64	1.47	1.42	1.37	
13	1.48	1.56	1.82	1.70	1.74	1.90	1.80	1.68	1.64	1.47	1.42	1.37	
14	1.46	1.51	1.87	1.74	1.80	1.90	1.80	1.68	1.62	1.46	1.44	1.37	
15	1.44	2.14	1.78	1.80	1.82	1.88	1.78	1.68	1.62	1.53	1.44	1.37	
16	1.44	1.78	1.71	1.79	1.84	1.88	1.76	1.68	1.59	1.50	1.44	1.37	
17	1.44	1.66	1.67	1.73	1.84	1.88	1.74	1.67	1.55	1.48	1.44	1.37	
18	1.44	1.86	1.64	1.68	1.89	1.84	2.88	1.67	1.52	1.48	1.47	1.37	
19	1.40	1.99	1.62	1.68	2.18	2.00	2.10	1.66	1.52	1.48	1.44	1.37	
20	1.40	1.86	1.62	1.66	2.26	2.00	1.98	1.66	1.52	1.50	1.42	1.37	
21	1.38	1.74	1.60	1.64	2.02	1.86	1.89	1.74	1.52	1.46	1.42	1.37	
22	1.38	1.69	1.58	1.64	1.91	1.84	1.85	1.74	1.52	1.40	1.42	1.37	
23	2.02	1.88	1.57	1.64	1.81	1.82	1.82	1.74	1.52	1.40	1.42	1.37	
24	1.66	1.84	1.56	1.64	1.76	1.80	1.78	1.73	1.51	1.44	1.44	1.37	
25	1.56	1.73	1.56	1.59	1.80	1.78	1.75	1.73	1.50	1.42	1.42	1.37	
26	1.54	1.65	1.60	1.57	1.74	1.72	1.74	1.73	1.50	1.46	1.42	1.37	
27	1.53	1.76	1.60	1.56	1.72	1.72	1.73	1.73	1.50	1.46	1.42	1.36	
28	1.50	1.70	1.57	1.56	1.72	1.72	1.72	1.73	1.50	1.42	1.40	1.34	
29	1.48	1.63	1.56	1.56	1.70	1.76	1.72	1.74	1.50	1.44		1.32	
30	1.46	1.56	1.56	1.54	1.94	2.12	1.72	1.74	1.50	1.44		1.32	
31		1.56		1.54	1.98		1.72		1.50	1.42		1.32	
MEAN	1.47	1.66	1.68	1.61	1.77	1.97	1.87	1.70	1.59	1.47	1.42	1.37	
MAX	2.02	2.14	1.96	1.80	2.26	2.64	2.88	1.74	1.72	1.53	1.47	1.40	2.88
MIN	1.38	1.46	1.54	1.50	1.54	1.72	1.72	1.66	1.50	1.40	1.40	1.32	1.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.36 M (A.D), AT 18.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.51 M (A.D)
LEFT BANK ELEVATION 6.67 M (A.D)
RIGHT BANK ELEVATION 7.36 M (A.D), DRAINAGE AREA 597 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.94	1.10	1.14	1.11	1.11	5.90	7.16	2.28	2.72	1.05	0.94	0.03	
2	0.94	1.05	1.11	1.08	1.11	6.74	6.74	2.16	2.40	1.05	0.03	0.03	
3	0.03	1.05	1.14	1.08	1.11	8.00	7.16	2.16	2.16	1.05	0.95	0.03	
4	0.03	1.03	1.68	1.08	1.11	10.34	4.76	2.16	2.16	1.05	0.94	0.02	
5	0.03	1.03	2.16	1.08	1.11	8.00	4.76	2.16	2.04	1.05	0.94	0.02	
6	0.02	1.00	6.74	1.05	1.17	19.32	4.76	2.16	2.04	1.05	0.94	0.02	
7	0.02	1.03	5.14	1.05	1.68	29.80	6.11	2.16	2.04	1.05	0.94	0.02	
8	0.02	1.03	4.00	1.05	1.68	21.56	6.32	2.16	1.92	1.05	0.94	0.02	
9	0.92	1.20	4.00	1.05	1.68	18.30	7.37	2.16	1.92	1.05	0.94	0.02	
10	0.02	1.16	2.88	1.08	2.56	7.58	5.52	2.16	1.92	1.05	0.94	0.02	
11	1.17	2.16	4.00	2.16	2.72	7.58	4.00	2.16	1.80	1.03	0.94	0.02	
12	1.05	1.32	7.16	2.16	2.72	6.74	4.00	2.16	1.68	1.01	0.94	0.01	
13	1.03	1.14	4.38	2.40	3.04	5.90	4.00	2.16	1.68	1.01	0.94	0.01	
14	1.00	1.07	5.33	3.04	4.00	5.90	4.00	2.16	1.44	1.00	0.97	0.01	
15	0.97	11.76	3.68	4.00	4.38	5.52	3.68	2.16	1.44	1.10	0.97	0.01	
16	0.97	3.68	2.56	3.84	4.76	5.52	3.36	2.16	1.19	1.05	0.97	0.01	
17	0.97	1.92	2.04	2.88	4.76	5.52	3.04	2.04	1.13	1.03	0.97	0.01	
18	0.97	5.14	1.68	2.16	5.71	4.76	41.20	2.04	1.08	1.03	1.01	0.01	
19	0.03	7.79	1.44	2.16	12.92	8.00	10.60	1.92	1.08	1.03	0.97	0.01	
20	0.03	5.14	1.44	1.92	15.36	8.00	7.58	1.92	1.08	1.05	0.94	0.01	
21	0.02	3.04	1.20	1.68	8.52	5.14	5.71	3.04	1.08	1.00	0.94	0.01	
22	0.02	2.28	1.17	1.68	6.11	4.76	4.95	3.04	1.08	0.03	0.94	0.01	
23	8.52	5.52	1.16	1.68	4.19	4.38	4.38	3.04	1.08	0.03	0.94	0.01	
24	1.92	4.76	1.14	1.68	3.36	4.00	3.68	2.88	1.07	0.97	0.97	0.01	
25	1.14	2.88	1.14	1.19	4.00	3.68	3.20	2.88	1.05	0.94	0.94	0.01	
26	1.11	1.80	1.20	1.16	3.04	2.72	3.04	2.88	1.05	1.00	0.94	0.01	
27	1.10	3.36	1.20	1.14	2.72	2.72	2.88	2.88	1.05	1.00	0.94	0.01	
28	1.05	2.40	1.16	1.14	2.72	2.72	2.72	2.88	1.05	0.94	0.03	0.00	
29	1.03	1.56	1.14	1.14	2.40	3.36	2.72	3.04	1.05	0.97		0.00	
30	1.00	1.14	1.14	1.11	6.74	11.18	2.72	3.04	1.05	0.97		0.00	
31		1.14		1.11	7.58		2.72		1.05	0.94		0.00	
TOTAL	28.07	81.68	75.35	52.14	126.07	243.64	184.84	72.20	46.58	29.63	24.76	0.41	965.37 CMSDAY
MEAN	0.94	2.63	2.51	1.68	4.07	8.12	5.96	2.41	1.50	0.96	0.88	0.01	2.64 CMS
MAX	8.52	11.76	7.16	4.00	15.36	29.80	41.20	3.04	2.72	1.10	1.01	0.03	41.20 CMS
MIN	0.02	1.00	1.11	1.05	1.11	2.72	2.72	1.92	1.05	0.03	0.03	0.00	0.00 CMS
RUNOFF	2.425	7.057	6.510	4.505	10.892	21.050	15.970	6.238	4.025	2.560	2.139	0.035	83.408 MCM

MOMENTARY PEAK 69.40 CMS, AT 3.36 M (A.D), AT 18.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 4.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 116.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

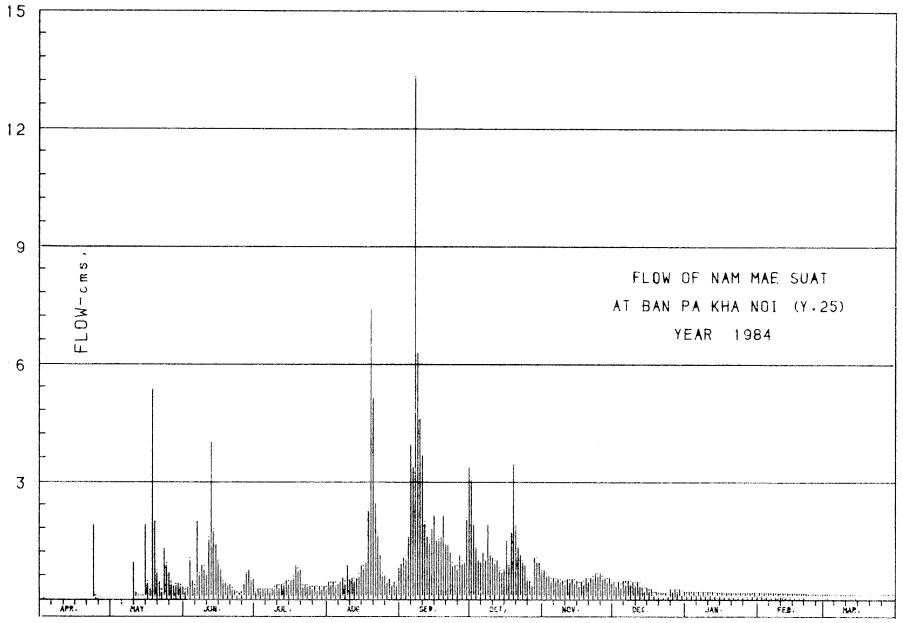
NAM MAE SUAT AT BAN PA KHA NOI, NAN (Y.25)

LOCATION	LAT. 18-50-28 N., LONG. 100-25-55 E., ON LEFT BANK AT THE BRIDGE OF PHAYAO-NAN HIGHWAY AND ABOUT 1.5 KILOMETERS FROM KING AMPHOE BAN LUANG, TAMBON PA KHA LUANG, KING AMPHOE BAN LUANG, NAN.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 6 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.637 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.09	0.22	0.22	0.27	0.37	0.57	0.33	0.27	0.20	0.19	0.16	
2	0.07	0.07	0.23	0.22	0.27	0.38	0.47	0.32	0.27	0.20	0.19	0.16	
3	0.07	0.07	0.38	0.22	0.27	0.39	0.42	0.31	0.27	0.20	0.18	0.16	
4	0.02	0.07	0.28	0.22	0.27	0.44	0.37	0.30	0.26	0.20	0.18	0.16	
5	0.03	0.06	0.25	0.22	0.25	0.63	0.38	0.30	0.28	0.20	0.18	0.16	
6	0.04	0.06	0.48	0.22	0.30	0.59	0.40	0.30	0.28	0.20	0.18	0.16	
7	0.04	0.06	0.32	0.22	0.30	0.99	0.39	0.29	0.28	0.20	0.18	0.15	
8	0.04	0.09	0.35	0.22	0.28	0.75	0.47	0.29	0.28	0.20	0.18	0.15	
9	0.04	0.09	0.35	0.24	0.35	0.67	0.40	0.28	0.27	0.20	0.18	0.15	
10	0.04	0.37	0.31	0.25	0.31	0.61	0.38	0.28	0.27	0.20	0.18	0.15	
11	0.04	0.19	0.44	0.25	0.30	0.48	0.37	0.29	0.27	0.20	0.18	0.15	
12	0.04	0.15	0.63	0.25	0.30	0.44	0.37	0.29	0.27	0.20	0.18	0.15	
13	0.04	0.14	0.46	0.26	0.30	0.43	0.34	0.29	0.23	0.20	0.18	0.15	
14	0.04	0.14	0.42	0.28	0.32	0.46	0.32	0.29	0.23	0.19	0.17	0.15	
15	0.04	0.47	0.37	0.28	0.35	0.50	0.35	0.28	0.23	0.19	0.17	0.14	
16	0.05	0.28	0.33	0.28	0.35	0.43	0.43	0.27	0.22	0.19	0.17	0.14	
17	0.06	0.22	0.28	0.31	0.36	0.44	0.36	0.27	0.22	0.18	0.17	0.14	
18	0.06	0.71	0.26	0.35	0.51	0.44	0.45	0.28	0.20	0.18	0.17	0.14	
19	0.05	0.48	0.26	0.34	0.80	0.50	0.60	0.30	0.20	0.18	0.17	0.14	
20	0.05	0.33	0.25	0.33	0.70	0.42	0.47	0.30	0.19	0.18	0.17	0.14	
21	0.05	0.27	0.23	0.25	0.52	0.43	0.42	0.30	0.19	0.18	0.17	0.14	
22	0.05	0.22	0.21	0.25	0.45	0.40	0.39	0.31	0.18	0.18	0.16	0.14	
23	0.47	0.41	0.20	0.25	0.39	0.36	0.37	0.32	0.18	0.18	0.16	0.14	
24	0.14	0.36	0.17	0.24	0.32	0.35	0.35	0.32	0.20	0.18	0.16	0.15	
25	0.10	0.32	0.20	0.24	0.31	0.35	0.30	0.32	0.22	0.18	0.16	0.16	
26	0.11	0.28	0.25	0.24	0.29	0.39	0.28	0.31	0.22	0.18	0.16	0.16	
27	0.11	0.24	0.33	0.24	0.29	0.37	0.27	0.30	0.22	0.18	0.16	0.16	
28	0.11	0.26	0.33	0.24	0.27	0.36	0.38	0.30	0.22	0.18	0.16	0.16	
29	0.10	0.26	0.30	0.24	0.27	0.49	0.38	0.30	0.22	0.19		0.16	
30	0.10	0.25	0.29	0.24	0.27	0.59	0.36	0.29	0.21	0.19		0.16	
31		0.23		0.24	0.34		0.33		0.20	0.19		0.16	
MEAN	0.08	0.23	0.31	0.25	0.35	0.48	0.39	0.30	0.23	0.19	0.17	0.15	
MAX	0.47	0.71	0.63	0.35	0.80	0.99	0.60	0.33	0.28	0.20	0.19	0.16	0.99
MIN	0.02	0.06	0.17	0.22	0.25	0.35	0.27	0.27	0.18	0.18	0.16	0.14	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.32 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 4.38 M (A.D)
RIGHT BANK ELEVATION 3.34 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.05	0.27	0.27	0.45	1.00	3.11	0.75	0.45	0.20	0.18	0.14	
2	0.04	0.04	0.31	0.27	0.45	1.07	1.90	0.68	0.45	0.20	0.18	0.14	
3	0.04	0.04	1.07	0.27	0.45	1.13	1.40	0.61	0.45	0.20	0.17	0.14	
4	0.01	0.04	0.48	0.27	0.45	1.60	1.00	0.55	0.41	0.20	0.17	0.14	
5	0.02	0.03	0.38	0.27	0.38	4.01	1.07	0.55	0.48	0.20	0.17	0.14	
6	0.02	0.03	2.00	0.27	0.55	3.37	1.20	0.55	0.48	0.20	0.17	0.14	
7	0.02	0.03	0.68	0.27	0.55	13.34	1.13	0.52	0.48	0.20	0.17	0.13	
8	0.02	0.05	0.87	0.27	0.48	6.30	1.90	0.52	0.48	0.20	0.17	0.13	
9	0.02	0.05	0.87	0.34	0.87	4.69	1.20	0.48	0.45	0.20	0.17	0.13	
10	0.02	1.00	0.61	0.38	0.61	3.67	1.07	0.48	0.45	0.20	0.17	0.13	
11	0.02	0.18	1.60	0.38	0.55	2.00	1.00	0.52	0.45	0.20	0.17	0.13	
12	0.02	0.13	4.01	0.38	0.55	1.60	1.00	0.52	0.45	0.20	0.17	0.13	
13	0.02	0.11	1.80	0.41	0.55	1.50	0.81	0.52	0.31	0.20	0.17	0.13	
14	0.02	0.11	1.40	0.48	0.68	1.80	0.68	0.52	0.31	0.18	0.16	0.13	
15	0.02	1.90	1.00	0.48	0.87	2.20	0.87	0.48	0.31	0.18	0.16	0.11	
16	0.03	0.48	0.75	0.48	0.87	1.50	1.50	0.45	0.27	0.18	0.16	0.11	
17	0.03	0.27	0.48	0.61	0.94	1.60	0.94	0.45	0.27	0.17	0.16	0.11	
18	0.03	5.42	0.41	0.87	2.33	1.60	1.70	0.48	0.20	0.17	0.16	0.11	
19	0.03	2.00	0.41	0.81	7.40	2.20	3.50	0.55	0.20	0.17	0.16	0.11	
20	0.03	0.75	0.38	0.75	5.20	1.40	1.90	0.55	0.18	0.17	0.16	0.11	
21	0.03	0.45	0.31	0.38	2.46	1.50	1.40	0.55	0.18	0.17	0.16	0.11	
22	0.03	0.27	0.23	0.38	1.70	1.20	1.13	0.61	0.17	0.17	0.14	0.11	
23	1.90	1.30	0.20	0.38	1.13	0.94	1.00	0.68	0.17	0.17	0.14	0.11	
24	0.11	0.94	0.16	0.34	0.68	0.87	0.87	0.68	0.20	0.17	0.14	0.13	
25	0.05	0.68	0.20	0.34	0.61	0.87	0.55	0.68	0.27	0.17	0.14	0.14	
26	0.07	0.48	0.38	0.34	0.52	1.13	0.48	0.61	0.27	0.17	0.14	0.14	
27	0.07	0.34	0.75	0.34	0.52	1.00	0.45	0.55	0.27	0.17	0.14	0.14	
28	0.07	0.41	0.75	0.34	0.45	0.94	1.07	0.55	0.27	0.17	0.14	0.14	
29	0.05	0.41	0.55	0.34	0.45	2.10	1.07	0.55	0.27	0.18		0.14	
30	0.05	0.38	0.52	0.34	0.45	3.37	0.94	0.52	0.23	0.18		0.14	
31		0.31		0.34	0.81		0.75		0.20	0.18		0.14	
TOTAL	2.92	18.68	23.83	12.39	34.96	71.50	38.59	16.71	10.03	5.72	4.49	3.98	243.80 CMSDAY
MEAN	0.10	0.60	0.79	0.40	1.13	2.38	1.24	0.56	0.32	0.18	0.16	0.13	0.67 CMS
MAX	1.90	5.42	4.01	0.87	7.40	13.34	3.50	0.75	0.48	0.20	0.18	0.14	13.34 CMS
MIN	0.01	0.03	0.16	0.27	0.38	0.87	0.45	0.45	0.17	0.17	0.14	0.11	0.01 CMS
RUNOFF	0.252	1.614	2.059	1.070	3.021	6.178	3.334	1.444	0.867	0.494	0.388	0.344	21.064 MCM

MOMENTARY PEAK 28.86 CMS, AT 1.32 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984
RUNOFF YIELD 3.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 142.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

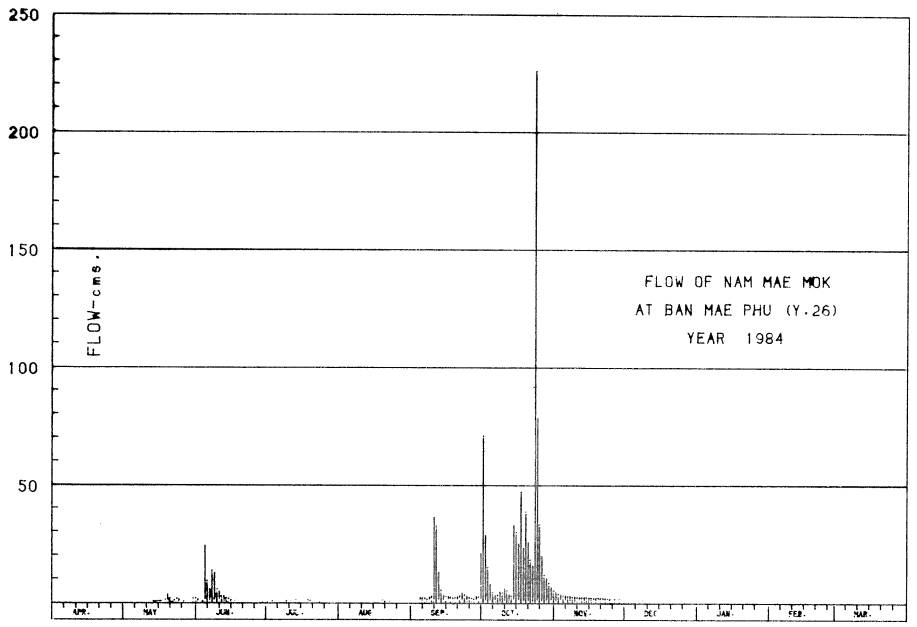
NAM MAE MOK AT BAN MAE PHU, LAMPANG (Y.26)

LOCATION	LAT. 17-19-45 N., LONG. 99-27-42 E., ON LEFT BANK DOWNSTREAM FROM BAN MAE PHU, TAMBON WIANG MOK, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	785 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+8.00 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 78 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.41	0.96	0.83	0.86	0.82	3.31	1.21	0.94	0.88	0.82	0.72	
2	0.61	0.40	0.88	0.91	0.85	0.82	2.23	1.17	0.95	0.87	0.82	0.71	
3	0.60	0.39	1.02	0.86	0.84	0.90	1.73	1.14	0.95	0.85	0.82	0.71	
4	0.59	0.38	2.08	0.85	0.83	1.04	1.41	1.12	0.94	0.85	0.82	0.71	
5	0.58	0.37	1.48	0.84	0.83	1.03	1.21	1.11	0.93	0.85	0.82	0.70	
6	0.57	0.37	1.30	0.84	0.82	1.02	1.12	1.10	0.93	0.85	0.81	0.73	
7	0.56	0.36	1.68	0.83	0.82	0.97	1.14	1.09	0.94	0.85	0.80	0.73	
8	0.55	0.36	1.64	0.90	0.82	1.05	1.23	1.07	0.92	0.85	0.79	0.72	
9	0.55	0.40	1.30	0.89	0.82	1.10	1.20	1.07	0.92	0.84	0.79	0.72	
10	0.54	0.39	1.23	0.89	0.82	2.47	1.31	1.05	0.91	0.86	0.78	0.71	
11	0.53	0.38	1.11	0.88	0.82	2.36	1.26	1.05	0.91	0.86	0.78	0.70	
12	0.53	0.38	1.09	0.94	0.86	1.65	1.14	1.05	0.90	0.85	0.78	0.69	
13	0.52	0.88	1.02	0.94	0.85	1.28	1.11	1.05	0.89	0.85	0.77	0.68	
14	0.52	0.86	0.99	0.91	0.83	1.12	2.37	1.05	0.88	0.84	0.77	0.67	
15	0.52	0.89	0.94	0.88	0.83	1.10	2.27	1.04	0.88	0.84	0.77	0.66	
16	0.52	0.88	0.92	0.87	0.83	1.08	2.11	1.02	0.88	0.83	0.77	0.66	
17	0.51	0.86	0.92	0.90	0.83	1.06	2.76	1.02	0.88	0.83	0.77	0.65	
18	0.50	0.94	0.90	0.94	0.86	1.03	2.05	1.02	0.88	0.83	0.76	0.64	
19	0.50	1.14	0.90	0.91	0.93	1.04	2.54	1.02	0.88	0.82	0.76	0.64	
20	0.49	1.01	0.90	0.89	0.86	1.07	2.13	1.02	0.88	0.82	0.74	0.63	
21	0.48	0.93	0.90	0.88	0.85	1.11	1.86	1.02	0.87	0.82	0.73	0.63	
22	0.47	0.93	0.90	0.86	0.85	1.19	1.76	1.01	0.87	0.82	0.75	0.64	
23	0.46	1.01	0.89	0.96	0.85	1.15	5.54	1.00	0.86	0.85	0.76	0.63	
24	0.45	0.96	0.89	0.92	0.85	1.10	3.48	0.98	0.86	0.83	0.77	0.62	
25	0.45	0.90	0.88	0.89	0.85	1.04	2.38	0.97	0.86	0.83	0.76	0.62	
26	0.45	0.87	0.85	0.89	0.84	1.01	1.93	0.98	0.86	0.83	0.76	0.61	
27	0.44	0.86	0.84	0.87	0.83	0.98	1.60	0.98	0.86	0.83	0.75	0.60	
28	0.43	0.85	0.83	0.87	0.83	1.08	1.53	0.98	0.85	0.84	0.74	0.59	
29	0.42	0.89	0.83	0.89	0.83	1.08	1.43	0.96	0.85	0.83		0.59	
30	0.41	1.00	0.82	0.87	0.83	1.97	1.34	0.96	0.87	0.83		0.59	
31		1.02		0.87	0.83		1.26		0.88	0.83		0.57	
MEAN	0.51	0.72	1.06	0.89	0.84	1.19	1.93	1.04	0.89	0.84	0.78	0.66	
MAX	0.62	1.14	2.08	0.96	0.93	2.47	5.54	1.21	0.95	0.88	0.82	0.73	5.54
MIN	0.41	0.36	0.82	0.83	0.82	0.82	1.11	0.96	0.85	0.82	0.73	0.57	0.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.47 M (A.D), AT 20.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.57 M (A.D)
LEFT BANK ELEVATION 7.73 M (A.D)
RIGHT BANK ELEVATION 8.26 M (A.D), DRAINAGE AREA 785 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.60	0.65	0.80	0.60	70.95	4.65	1.40	0.90	0.60	0.10	
2	0.00	0.00	0.90	1.10	0.75	0.60	28.90	4.05	1.50	0.85	0.60	0.05	
3	0.00	0.00	2.20	0.80	0.70	1.00	15.25	3.60	1.50	0.75	0.60	0.05	
4	0.00	0.00	24.40	0.75	0.65	2.40	8.20	3.30	1.40	0.75	0.60	0.05	
5	0.00	0.00	9.60	0.70	0.65	2.30	4.65	3.15	1.30	0.75	0.60	0.00	
6	0.00	0.00	6.00	0.70	0.60	2.20	3.30	3.00	1.30	0.75	0.55	0.15	
7	0.00	0.00	14.00	0.65	0.60	1.70	3.60	2.90	1.40	0.75	0.50	0.15	
8	0.00	0.00	13.00	1.00	0.60	2.50	4.95	2.70	1.20	0.75	0.45	0.10	
9	0.00	0.00	6.00	0.95	0.60	3.00	4.50	2.70	1.20	0.70	0.45	0.10	
10	0.00	0.00	4.95	0.95	0.60	36.45	6.20	2.50	1.10	0.80	0.40	0.05	
11	0.00	0.00	3.15	0.90	0.60	32.80	5.40	2.50	1.10	0.80	0.40	0.00	
12	0.00	0.00	2.90	1.40	0.80	13.25	3.60	2.50	1.00	0.75	0.40	0.00	
13	0.00	0.90	2.20	1.40	0.75	5.70	3.15	2.50	0.95	0.75	0.35	0.00	
14	0.00	0.80	1.90	1.10	0.65	3.30	33.10	2.50	0.90	0.70	0.35	0.00	
15	0.00	0.95	1.40	0.90	0.65	3.00	30.10	2.40	0.90	0.70	0.35	0.00	
16	0.00	0.90	1.20	0.85	0.65	2.80	25.30	2.20	0.90	0.65	0.35	0.00	
17	0.00	0.80	1.20	1.00	0.65	2.60	47.40	2.20	0.90	0.65	0.35	0.00	
18	0.00	1.40	1.00	1.40	0.80	2.30	23.50	2.20	0.90	0.65	0.30	0.00	
19	0.00	3.60	1.00	1.10	1.30	2.40	38.90	2.20	0.90	0.60	0.30	0.00	
20	0.00	2.10	1.00	0.95	0.80	2.70	25.90	2.20	0.90	0.60	0.20	0.00	
21	0.00	1.30	1.00	0.90	0.75	3.15	18.50	2.20	0.85	0.60	0.15	0.00	
22	0.00	1.30	1.00	0.80	0.75	4.35	16.00	2.10	0.85	0.60	0.25	0.00	
23	0.00	2.10	0.95	1.60	0.75	3.75	226.00	2.00	0.80	0.75	0.30	0.00	
24	0.00	1.60	0.95	1.20	0.75	3.00	78.60	1.80	0.80	0.65	0.35	0.00	
25	0.00	1.00	0.90	0.95	0.75	2.40	33.40	1.70	0.80	0.65	0.30	0.00	
26	0.00	0.85	0.75	0.95	0.70	2.10	20.25	1.80	0.80	0.65	0.30	0.00	
27	0.00	0.80	0.70	0.85	0.65	1.80	12.00	1.80	0.80	0.65	0.25	0.00	
28	0.00	0.75	0.65	0.85	0.65	2.80	10.60	1.80	0.75	0.70	0.20	0.00	
29	0.00	0.95	0.65	0.95	0.65	2.80	8.60	1.60	0.75	0.65		0.00	
30	0.00	2.00	0.60	0.85	0.65	21.25	6.80	1.60	0.85	0.65		0.00	
31		2.20		0.85	0.65		5.40		0.90	0.65		0.00	
TOTAL	0.00	26.30	107.75	30.00	21.90	171.00	823.00	74.35	31.60	21.80	10.80	0.80	1319.30 CMSDAY
MEAN	0.00	0.85	3.59	0.97	0.71	5.70	26.55	2.48	1.02	0.70	0.39	0.03	3.61 CMS
MAX	0.00	3.60	24.40	1.60	1.30	36.45	226.00	4.65	1.50	0.90	0.60	0.15	226.00 CMS
MIN	0.00	0.00	0.60	0.65	0.60	0.60	3.15	1.60	0.75	0.60	0.15	0.00	0.00 CMS
RUNOFF	0.000	2.272	9.310	2.592	1.892	14.774	71.107	6.424	2.730	1.884	0.933	0.069	113.988 MCM

MOMENTARY PEAK 336.10 CMS, AT 6.47 M (A.D), AT 20.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 4.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 428.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

YOM RIVER BASIN

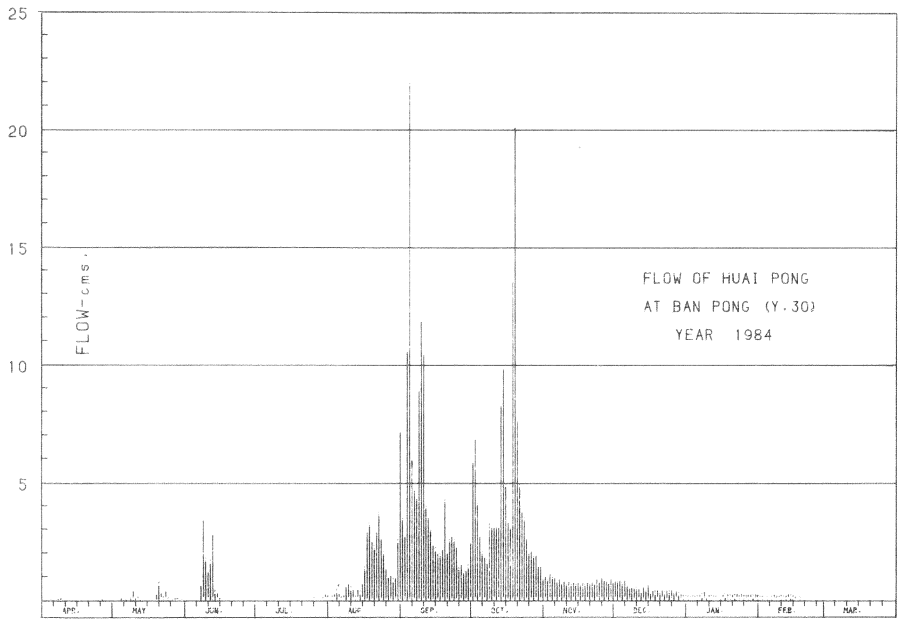
HUAI PONG AT BAN PONG, LAMPANG (Y.30)

LOCATION	LAT. 18-42-59 N., LONG. 99-57-40 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, TAMBON MAE PONG, AMPHOE NGAO, LAMPANG.
DRAINAGE AREA	96 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 25 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.62 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	0.38	0.39	0.41	0.47	1.00	1.18	0.70	0.66	0.48	0.47	0.43	
2	0.40	0.38	0.36	0.40	0.48	0.92	1.24	0.70	0.69	0.47	0.47	0.43	
3	0.41	0.39	0.37	0.40	0.51	1.45	1.05	0.72	0.67	0.48	0.46	0.43	
4	0.41	0.47	0.36	0.41	0.60	1.89	0.92	0.72	0.66	0.47	0.46	0.43	
5	0.41	0.47	0.36	0.41	0.51	1.19	0.85	0.69	0.67	0.49	0.46	0.43	
6	0.39	0.38	0.36	0.41	0.46	1.09	0.82	0.69	0.65	0.49	0.47	0.43	
7	0.41	0.39	0.65	0.41	0.48	1.07	0.81	0.68	0.60	0.52	0.49	0.43	
8	0.42	0.47	0.99	0.41	0.65	1.36	0.98	0.67	0.64	0.54	0.47	0.43	
9	0.41	0.56	0.82	0.41	0.64	1.51	0.97	0.66	0.60	0.51	0.47	0.43	
10	0.41	0.42	0.73	0.41	0.62	1.44	0.96	0.66	0.62	0.49	0.49	0.43	
11	0.40	0.46	0.81	0.42	0.58	1.04	0.97	0.66	0.59	0.49	0.47	0.43	
12	0.42	0.36	0.93	0.42	0.48	1.00	0.96	0.66	0.60	0.48	0.47	0.43	
13	0.42	0.34	0.58	0.43	0.58	0.96	1.33	0.65	0.61	0.47	0.50	0.43	
14	0.44	0.34	0.52	0.43	0.57	0.88	1.41	0.66	0.61	0.48	0.50	0.42	
15	0.43	0.35	0.43	0.45	0.64	0.87	1.11	0.65	0.63	0.49	0.48	0.42	
16	0.44	0.38	0.41	0.45	0.77	0.84	0.98	0.65	0.58	0.49	0.45	0.42	
17	0.42	0.36	0.39	0.46	0.94	0.84	0.97	0.65	0.56	0.52	0.46	0.43	
18	0.42	0.34	0.38	0.46	0.98	0.86	1.58	0.66	0.57	0.50	0.45	0.43	
19	0.40	0.50	0.38	0.44	0.90	1.06	1.83	0.65	0.57	0.50	0.45	0.43	
20	0.39	0.66	0.38	0.44	0.88	0.84	1.29	0.66	0.57	0.49	0.44	0.42	
21	0.38	0.52	0.37	0.45	0.94	0.91	1.11	0.65	0.57	0.51	0.44	0.42	
22	0.38	0.47	0.38	0.46	1.02	0.92	1.02	0.67	0.56	0.51	0.43	0.41	
23	0.37	0.55	0.39	0.45	0.91	0.91	1.00	0.68	0.56	0.48	0.43	0.42	
24	0.37	0.44	0.38	0.45	0.85	0.87	0.91	0.68	0.57	0.51	0.43	0.44	
25	0.35	0.45	0.37	0.45	0.75	0.76	0.85	0.69	0.57	0.49	0.44	0.43	
26	0.44	0.38	0.37	0.44	0.72	0.78	0.85	0.70	0.57	0.49	0.44	0.42	
27	0.40	0.43	0.41	0.45	0.71	0.74	0.84	0.66	0.55	0.49	0.43	0.41	
28	0.38	0.43	0.41	0.46	0.69	0.74	0.83	0.68	0.54	0.49	0.43	0.41	
29	0.36	0.43	0.41	0.45	0.69	0.78	0.78	0.68	0.50	0.50		0.42	
30	0.36	0.41	0.41	0.50	0.91	0.89	0.77	0.68	0.49	0.50		0.41	
31		0.41		0.48	1.26		0.70		0.48	0.49		0.41	
MEAN	0.40	0.43	0.48	0.44	0.72	1.01	1.03	0.67	0.59	0.49	0.46	0.42	
MAX	0.44	0.66	0.99	0.50	1.26	1.89	1.83	0.72	0.69	0.54	0.50	0.44	1.89
MIN	0.35	0.34	0.36	0.40	0.46	0.74	0.70	0.65	0.48	0.47	0.43	0.41	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.17 M (A.D), AT 6.00 HOURS, ON OCT 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.05 M (A.D)
LEFT BANK ELEVATION 9.24 M (A.D)
RIGHT BANK ELEVATION 9.27 M (A.D), DRAINAGE AREA 96 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.04	0.04	0.07	0.19	3.50	5.92	1.00	0.80	0.21	0.19	0.11	
2	0.05	0.04	0.03	0.05	0.21	2.70	6.84	1.00	0.95	0.19	0.19	0.11	
3	0.07	0.04	0.04	0.05	0.27	10.65	4.15	1.13	0.85	0.21	0.17	0.11	
4	0.07	0.19	0.03	0.07	0.50	22.00	2.70	1.13	0.80	0.19	0.17	0.11	
5	0.07	0.19	0.03	0.07	0.27	6.06	2.08	0.95	0.85	0.23	0.17	0.11	
6	0.04	0.04	0.03	0.07	0.17	4.67	1.82	0.95	0.75	0.23	0.19	0.11	
7	0.07	0.04	0.75	0.07	0.21	4.41	1.73	0.90	0.50	0.30	0.23	0.11	
8	0.09	0.19	3.40	0.07	0.75	8.88	3.30	0.85	0.70	0.35	0.19	0.11	
9	0.07	0.40	1.82	0.07	0.70	11.93	3.20	0.80	0.50	0.27	0.19	0.11	
10	0.07	0.09	1.20	0.07	0.60	10.44	3.10	0.80	0.60	0.23	0.23	0.11	
11	0.05	0.17	1.73	0.09	0.45	4.02	3.20	0.80	0.47	0.23	0.19	0.11	
12	0.09	0.03	2.80	0.09	0.21	3.50	3.10	0.80	0.50	0.21	0.19	0.11	
13	0.09	0.02	0.45	0.11	0.45	3.10	8.34	0.75	0.55	0.19	0.25	0.11	
14	0.13	0.02	0.30	0.11	0.42	2.33	9.81	0.80	0.55	0.21	0.25	0.09	
15	0.11	0.02	0.11	0.15	0.70	2.25	4.94	0.75	0.65	0.23	0.21	0.09	
16	0.13	0.04	0.07	0.15	1.45	1.99	3.30	0.75	0.45	0.23	0.15	0.09	
17	0.09	0.03	0.04	0.17	2.90	1.99	3.20	0.75	0.40	0.30	0.17	0.11	
18	0.09	0.02	0.04	0.17	3.30	2.16	13.54	0.80	0.42	0.25	0.15	0.11	
19	0.05	0.25	0.04	0.13	2.50	4.28	20.20	0.75	0.42	0.25	0.15	0.11	
20	0.04	0.80	0.04	0.13	2.33	1.99	7.64	0.80	0.42	0.23	0.13	0.09	
21	0.04	0.30	0.04	0.15	2.90	2.60	4.94	0.75	0.42	0.27	0.13	0.09	
22	0.04	0.19	0.04	0.17	3.76	2.70	3.76	0.85	0.40	0.27	0.11	0.07	
23	0.04	0.38	0.04	0.15	2.60	2.60	3.50	0.90	0.40	0.21	0.11	0.09	
24	0.04	0.13	0.04	0.15	2.08	2.25	2.60	0.90	0.42	0.27	0.11	0.13	
25	0.02	0.15	0.04	0.15	1.33	1.39	2.08	0.95	0.42	0.23	0.13	0.11	
26	0.13	0.04	0.04	0.13	1.13	1.52	2.08	1.00	0.42	0.23	0.13	0.09	
27	0.05	0.11	0.07	0.15	1.06	1.26	1.99	0.80	0.38	0.23	0.11	0.07	
28	0.04	0.11	0.07	0.17	0.95	1.26	1.90	0.90	0.35	0.23	0.11	0.07	
29	0.03	0.11	0.07	0.15	0.95	1.52	1.52	0.90	0.25	0.25		0.09	
30	0.03	0.07	0.07	0.25	2.60	2.42	1.45	0.90	0.23	0.25		0.07	
31		0.07		0.21	7.16		1.00		0.21	0.23		0.07	
TOTAL	1.97	4.32	13.51	3.79	45.10	132.37	138.93	26.11	16.03	7.41	4.70	3.07	397.31 CMSDAY
MEAN	0.07	0.14	0.45	0.12	1.45	4.41	4.48	0.87	0.52	0.24	0.17	0.10	1.09 CMS
MAX	0.13	0.80	3.40	0.25	7.16	22.00	20.20	1.13	0.95	0.35	0.25	0.13	22.00 CMS
MIN	0.02	0.02	0.03	0.05	0.17	1.26	1.00	0.75	0.21	0.19	0.11	0.07	0.02 CMS
RUNOFF	0.170	0.373	1.167	0.327	3.897	11.437	12.004	2.256	1.385	0.640	0.406	0.265	34.328 MCM

MOMENTARY PEAK 31.73 CMS, AT 2.17 M (A.D), AT 6.00 HOURS, ON OCT 19, 1984

RUNOFF YIELD 11.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 330.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

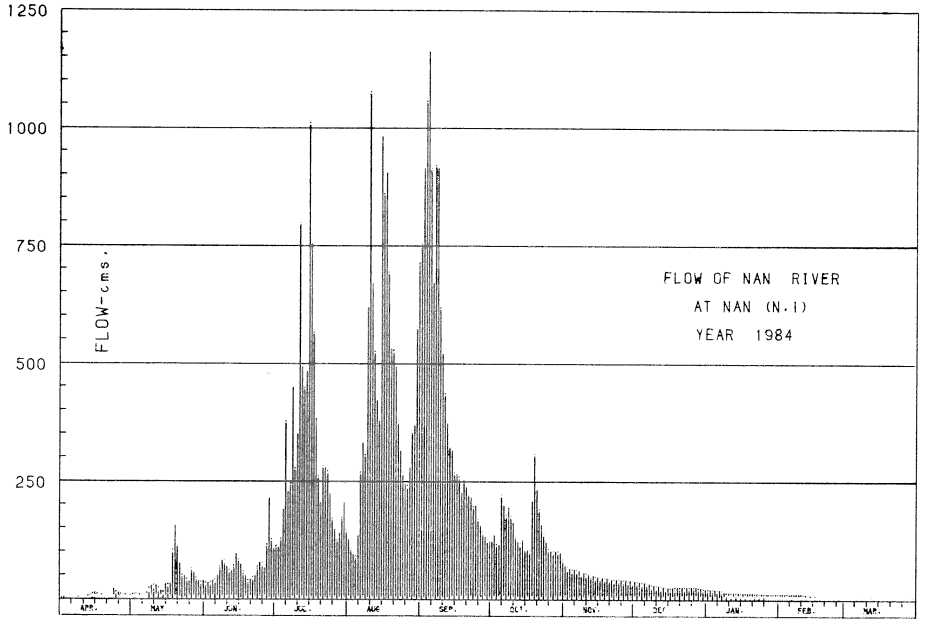
NAN RIVER AT NAN, NAN (N.1)

LOCATION	LAT. 18-46-23 N., LONG. 100-46-51 E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.
DRAINAGE AREA	4,609 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+192.17 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON WEST SIDE OF AUTOMATIC GAGE BUILDING.
ELEVATION	+199.204 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1922-1956, 1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1956, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1956, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	192.68	192.82	193.11	193.73	193.81	196.40	193.83	193.43	193.14	192.97	192.84	192.74	
2	192.68	192.85	193.10	193.70	193.69	196.92	193.87	193.41	193.13	192.96	192.84	192.74	
3	192.68	192.83	193.13	193.83	193.61	197.36	193.75	193.39	193.12	192.96	192.84	192.74	
4	192.68	192.80	193.15	194.17	193.58	197.67	193.74	193.37	193.11	192.96	192.84	192.74	
5	192.68	192.77	193.18	195.05	193.86	196.92	194.34	193.37	193.11	192.95	192.83	192.74	
6	192.68	192.80	193.26	194.37	194.58	196.12	194.22	193.36	193.10	192.95	192.84	192.74	
7	192.68	192.88	193.42	194.46	194.85	196.94	194.11	193.35	193.09	192.94	192.84	192.74	
8	192.68	193.00	193.51	195.34	194.74	196.92	194.20	193.33	193.06	192.91	192.84	192.74	
9	192.69	193.03	193.52	194.62	195.94	195.94	194.10	193.32	193.05	192.89	192.84	192.74	
10	192.74	193.06	193.41	194.93	197.42	195.60	194.02	193.31	193.05	192.89	192.84	192.74	
11	192.73	193.04	193.36	196.55	196.12	195.29	193.86	193.29	193.04	192.89	192.83	192.74	
12	192.74	193.00	193.34	195.50	195.62	195.03	193.78	193.29	193.03	192.89	192.81	192.73	
13	192.77	192.93	193.44	195.34	195.23	194.83	193.77	193.27	193.02	192.89	192.79	192.72	
14	192.85	192.92	193.61	195.47	195.07	194.78	193.81	193.24	193.01	192.89	192.78	192.70	
15	192.87	193.07	193.53	197.22	197.13	194.57	193.69	193.23	193.00	192.88	192.78	192.70	
16	192.84	193.08	193.45	196.40	196.75	194.56	193.67	193.23	193.00	192.87	192.77	192.70	
17	192.81	193.08	193.34	195.76	196.89	194.53	193.67	193.22	193.01	192.87	192.77	192.70	
18	192.79	193.67	193.25	195.08	196.20	194.36	194.27	193.21	193.01	192.87	192.76	192.70	
19	192.75	193.98	193.16	194.54	195.64	194.49	194.75	193.21	193.01	192.87	192.76	192.70	
20	192.74	193.74	193.17	194.25	195.63	194.42	194.39	193.20	193.01	192.87	192.76	192.70	
21	192.73	193.46	193.23	194.64	195.50	194.36	194.18	193.18	193.01	192.86	192.76	192.70	
22	192.82	193.27	193.26	194.62	195.05	194.31	193.99	193.18	193.01	192.86	192.75	192.70	
23	192.96	193.25	193.42	194.59	194.78	194.21	193.88	193.18	193.01	192.85	192.75	192.70	
24	192.92	193.19	193.48	194.35	194.58	194.22	193.78	193.18	193.01	192.85	192.75	192.70	
25	192.86	193.13	193.48	194.07	194.45	194.06	193.68	193.17	193.01	192.85	192.75	192.70	
26	192.82	193.39	193.39	193.94	194.44	193.98	193.65	193.17	193.01	192.84	192.74	192.70	
27	192.81	193.31	193.75	193.81	194.62	193.91	193.65	193.17	193.01	192.84	192.74	192.70	
28	192.80	193.21	194.30	193.89	194.96	193.85	193.65	193.15	193.00	192.84	192.74	192.70	
29	192.79	193.14	193.82	194.08	195.01	193.82	193.65	193.16	192.99	192.84		192.70	
30	192.76	193.13	193.68	194.25	195.80	193.79	193.63	193.15	192.98	192.84		192.70	
31		193.14		193.93	196.27		193.53		192.97	192.84		192.70	
MEAN	192.77	193.13	193.41	194.73	195.22	195.14	193.91	193.26	193.04	192.89	192.79	192.72	
MAX	192.96	193.98	194.30	197.22	197.42	197.67	194.75	193.43	193.14	192.97	192.84	192.74	197.67
MIN	192.68	192.77	193.10	193.70	193.58	193.79	193.53	193.15	192.97	192.84	192.74	192.70	192.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 198.07 M (MSL), AT 18.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 192.17 M (MSL), RIVER BED 190.04 M (MSL)
LEFT BANK ELEVATION 199.94 M (MSL)
RIGHT BANK ELEVATION 199.77 M (MSL), DRAINAGE AREA 4609 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.0	11.0	36.0	114.5	126.7	755.0	130.1	71.9	39.0	22.0	12.0	7.0	
2	4.0	12.5	35.0	110.0	108.5	915.4	136.9	69.3	38.0	21.0	12.0	7.0	
3	4.0	11.5	38.0	130.1	96.5	1057.8	117.5	66.7	37.0	21.0	12.0	7.0	
4	4.0	10.0	40.0	190.6	92.2	1162.8	116.0	64.1	36.0	21.0	12.0	7.0	
5	4.0	8.5	43.0	378.5	135.2	915.4	223.0	64.1	36.0	20.0	11.5	7.0	
6	4.0	10.0	51.0	229.0	271.0	671.8	199.8	62.8	35.0	20.0	12.0	7.0	
7	4.0	14.0	70.6	247.0	332.5	921.8	179.8	61.5	34.0	19.0	12.0	7.0	
8	4.0	25.0	82.4	450.0	307.2	915.4	196.0	58.9	31.0	16.0	12.0	7.0	
9	4.5	28.0	83.8	279.6	619.6	619.6	178.0	57.6	30.0	14.5	12.0	7.0	
10	7.0	31.0	69.3	350.9	1077.8	521.0	163.6	56.3	30.0	14.5	12.0	7.0	
11	6.5	29.0	62.8	800.0	671.8	437.5	135.2	54.0	29.0	14.5	11.5	7.0	
12	7.0	25.0	60.2	493.0	526.8	373.9	122.0	54.0	28.0	14.5	10.5	6.5	
13	8.5	18.0	73.2	450.0	422.5	327.9	120.5	52.0	27.0	14.5	9.5	6.0	
14	12.5	17.0	96.5	484.6	383.1	316.4	126.7	49.0	26.0	14.5	9.0	5.0	
15	13.5	32.0	85.2	1011.6	982.6	269.0	108.5	48.0	25.0	14.0	9.0	5.0	
16	12.0	33.0	74.5	755.0	861.5	267.0	105.5	48.0	25.0	13.5	8.5	5.0	
17	10.5	33.0	60.2	567.4	905.8	261.0	105.5	47.0	26.0	13.5	8.5	5.0	
18	9.5	105.5	50.0	385.4	695.0	227.0	209.3	46.0	26.0	13.5	8.0	5.0	
19	7.5	156.4	41.0	263.0	532.6	253.0	309.5	46.0	26.0	13.5	8.0	5.0	
20	7.0	116.0	42.0	205.5	529.7	239.0	233.0	45.0	26.0	13.5	8.0	5.0	
21	6.5	75.8	48.0	284.2	493.0	227.0	192.4	43.0	26.0	13.0	8.0	5.0	
22	11.0	52.0	51.0	279.6	378.5	217.0	158.2	43.0	26.0	13.0	7.5	5.0	
23	21.0	50.0	70.6	273.0	316.4	197.9	138.6	43.0	26.0	12.5	7.5	5.0	
24	17.0	44.0	78.4	225.0	271.0	199.8	122.0	43.0	26.0	12.5	7.5	5.0	
25	13.0	38.0	78.4	172.6	245.0	170.8	107.0	42.0	26.0	12.5	7.5	5.0	
26	11.0	66.7	66.7	149.2	243.0	156.4	102.5	42.0	26.0	12.0	7.0	5.0	
27	10.5	56.3	117.5	126.7	279.6	143.8	102.5	42.0	26.0	12.0	7.0	5.0	
28	10.0	46.0	215.0	140.3	357.8	133.5	102.5	40.0	25.0	12.0	7.0	5.0	
29	9.5	39.0	128.4	174.4	369.3	128.4	102.5	41.0	24.0	12.0		5.0	
30	8.0	38.0	107.0	205.5	579.0	123.5	99.5	40.0	23.0	12.0		5.0	
31		39.0		147.4	716.0		85.2		22.0	12.0		5.0	
TOTAL	255.5	1271.2	2155.7	10073.6	13927.2	13125.8	4529.3	1541.2	886.0	464.0	269.0	179.5	48678.0 CMSDAY
MEAN	8.5	41.0	71.9	325.0	449.3	437.5	146.1	51.4	28.6	15.0	9.6	5.8	133.4 CMS
MAX	21.0	156.4	215.0	1011.6	1077.8	1162.8	309.5	71.9	39.0	22.0	12.0	7.0	1162.8 CMS
MIN	4.0	8.5	35 0	110.0	92.2	123.5	85.2	40.0	22.0	12.0	7.0	5.0	4.0 CMS
RUNOFF	22.08	109.83	186.25	870.36	1203.31	1134.07	391.33	133.16	76.55	40.09	23.24	15.51	4205.78 MCM

MOMENTARY PEAK 1302.50 CMS, AT 198.07 M (MSL), AT 18.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 28.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 282.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

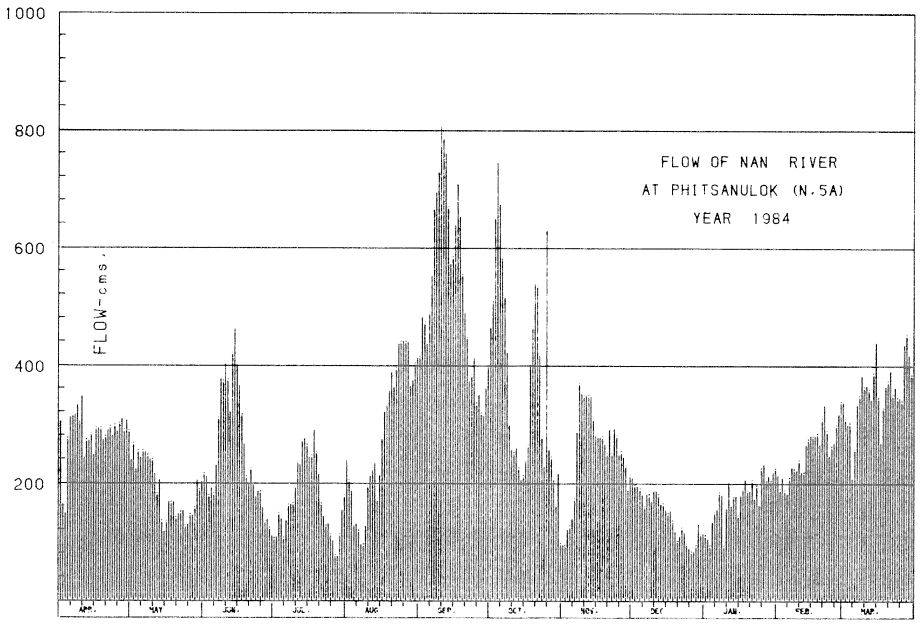
NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION	LAT. 16-49-15 N., LONG. 100-15-49 E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+34.50 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+45.856 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1963 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 48 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	37.77	37.22	37.02	35.83	37.22	38.62	38.97	35.67	36.94	35.89	36.98	38.03	
2	36.49	37.47	36.96	35.84	36.91	39.06	39.25	35.68	36.83	35.80	36.76	37.82	
3	36.32	37.08	36.65	36.33	36.72	39.01	40.13	36.00	36.80	35.67	36.94	37.73	
4	37.54	37.37	36.77	36.21	36.13	38.76	40.66	36.09	36.77	36.15	36.74	37.76	
5	37.83	37.26	36.68	35.84	36.12	39.12	40.28	36.21	36.65	36.35	36.67	36.93	
6	37.88	37.37	37.14	36.18	35.99	39.52	39.71	36.60	36.46	36.39	36.95	37.39	
7	37.87	37.34	37.83	36.49	35.68	40.22	39.31	37.62	36.67	36.70	37.11	38.00	
8	38.03	37.31	38.34	36.49	35.70	40.37	38.66	38.29	36.67	36.65	37.09	38.13	
9	37.77	37.23	38.32	36.52	36.07	40.59	37.75	38.15	36.54	35.67	37.06	38.38	
10	38.15	37.24	38.53	36.77	36.81	41.00	37.37	38.13	36.76	36.41	37.23	38.24	
11	37.26	37.01	38.34	37.21	36.97	40.91	37.34	38.12	36.72	36.86	37.03	38.25	
12	37.52	36.68	37.91	37.15	37.10	40.75	37.40	38.13	36.67	36.46	37.04	38.21	
13	37.50	36.91	38.66	37.52	37.17	40.23	37.11	38.11	36.49	36.62	37.44	38.07	
14	37.61	36.19	38.93	37.53	36.59	39.65	36.91	37.83	36.52	36.63	37.53	38.42	
15	37.30	35.96	38.54	37.45	36.98	39.73	36.99	37.57	36.39	36.29	37.57	38.78	
16	37.69	36.18	38.25	37.27	37.55	40.05	37.21	37.60	36.33	36.64	37.57	38.10	
17	37.68	36.53	37.88	37.30	37.91	40.48	37.45	37.55	36.37	36.78	37.57	37.47	
18	37.69	36.54	37.45	37.65	38.02	40.13	38.52	37.57	36.19	36.91	37.61	37.97	
19	37.51	36.53	36.97	37.35	38.18	39.54	38.96	37.45	35.96	36.73	37.45	38.24	
20	37.57	36.25	36.84	37.00	38.45	39.11	39.44	37.33	35.77	36.72	37.82	38.32	
21	37.65	36.31	37.10	36.52	38.23	38.84	39.43	37.66	35.85	36.91	38.00	38.44	
22	37.71	36.36	36.82	36.26	38.48	38.31	38.63	37.33	36.05	36.58	37.65	38.14	
23	37.57	36.37	36.61	36.10	38.76	38.40	37.57	37.67	35.93	36.82	37.29	38.23	
24	37.73	36.10	36.71	36.12	38.79	38.60	37.12	37.58	35.71	36.47	37.43	38.10	
25	37.63	36.11	36.72	35.91	38.79	38.03	40.01	37.30	35.60	37.10	37.47	38.10	
26	37.76	36.31	36.43	35.76	38.79	38.13	37.37	37.36	35.54	37.15	37.73	38.06	
27	37.81	36.28	36.18	35.45	38.78	37.90	37.28	37.27	35.52	36.89	37.88	38.75	
28	37.66	36.44	36.20	35.41	38.28	37.86	36.91	37.15	35.68	36.97	38.05	38.87	
29	37.79	36.90	36.05	35.91	38.32	38.25	36.50	36.73	36.12	36.90		38.63	
30	37.65	36.75	35.87	36.38	38.54	38.51	37.01	37.00	35.92	37.03		38.40	
31		36.88		36.65	38.60		35.72		35.92	37.10		38.48	
MEAN	37.60	36.73	37.29	36.53	37.50	39.32	38.16	37.29	36.27	36.59	37.35	38.14	
MAX	38.15	37.47	38.93	37.65	38.79	41.00	40.66	38.29	36.94	37.15	38.05	38.87	41.00
MIN	36.32	35.96	35.87	35.41	35.68	37.86	35.72	35.67	35.52	35.67	36.67	36.93	35 41

ANNUAL MAX MOMENTARY GAGE HEIGHT 41.10 M (MSL), AT 21.00 HOURS, ON SEP 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 34.50 M (MSL), RIVER BED 32.53 M (MSL)
LEFT BANK ELEVATION 45.05 M (MSL)
RIGHT BANK ELEVATION 45.84 M (MSL), DRAINAGE AREA 25286 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	304.4	239.2	217.2	107.4	239.2	416.0	468.5	94.6	209.0	112.2	213.0	336.9	
2	164.1	268.4	211.0	108.2	206.0	482.0	510.5	95.4	198.0	105.0	191.0	310.4	
3	148.8	223.8	180.0	149.7	187.0	474.5	653.1	121.0	195.0	94.6	209.0	299.6	
4	276.8	256.4	192.0	138.9	131.7	437.0	744.8	128.2	192.0	133.5	189.0	303.2	
5	311.6	243.6	183.0	108.2	130.8	491.0	678.6	138.9	180.0	151.5	182.0	208.0	
6	317.6	256.4	230.4	136.2	120.2	552.2	582.6	175.0	161.4	155.1	210.0	258.8	
7	316.4	252.8	311.6	164.1	95.4	668.4	519.5	286.4	182.0	185.0	227.1	333.0	
8	336.9	249.2	377.2	164.1	97.0	693.9	422.0	370.7	182.0	180.0	224.9	349.9	
9	304.4	240.3	374.6	167.0	126.6	732.2	302.0	352.5	169.0	94.6	221.6	382.4	
10	352.5	241.4	403.2	192.0	196.0	806.0	256.4	349.9	191.0	156.9	240.3	364.2	
11	243.6	216.1	377.2	238.1	212.0	789.8	252.8	348.6	187.0	201.0	218.3	365.5	
12	274.4	183.0	321.3	231.5	226.0	761.0	260.0	349.9	182.0	161.4	219.4	360.3	
13	272.0	206.0	422.0	274.4	233.7	670.1	227.1	347.3	164.1	177.0	264.8	342.1	
14	285.2	137.1	462.5	275.6	174.0	573.0	206.0	311.6	167.0	178.0	275.6	387.8	
15	248.0	117.8	404.6	266.0	213.0	585.8	214.0	280.4	155.1	146.1	280.4	440.0	
16	294.8	136.2	365.5	244.7	278.0	639.5	238.1	284.0	149.7	179.0	280.4	346.0	
17	293.6	168.0	317.6	248.0	321.3	712.6	266.0	278.0	153.3	193.0	280.4	268.4	
18	294.8	169.0	266.0	290.0	335.6	653.1	401.8	280.4	137.1	206.0	285.2	329.1	
19	273.2	168.0	212.0	254.0	356.4	555.4	467.0	266.0	117.8	188.0	266.0	364.2	
20	280.4	142.5	199.0	215.0	392.0	489.5	539.4	251.6	102.6	187.0	310.4	374.6	
21	290.0	147.9	226.0	167.0	362.9	449.0	537.8	291.2	109.0	206.0	333.0	390.6	
22	297.2	152.4	197.0	143.4	396.2	373.3	417.5	251.6	125.0	173.0	290.0	351.2	
23	280.4	153.3	176.0	129.0	437.0	385.0	280.4	292.4	115.4	197.0	246.9	362.9	
24	299.6	129.0	186.0	130.8	441.5	413.0	228.2	281.6	97.8	162.3	263.6	346.0	
25	287.6	129.9	187.0	113.8	441.5	336.9	632.7	248.0	89.0	226.0	268.4	346.0	
26	303.2	147.9	158.7	101.8	441.5	349.9	256.4	255.2	84.8	231.5	299.6	340.8	
27	309.2	145.2	136.2	78.5	440.0	320.0	245.8	244.7	83.4	204.0	317.6	435.5	
28	291.2	159.6	138.0	75.7	369.4	315.2	206.0	231.5	95.4	212.0	339.5	453.5	
29	306.8	205.0	125.0	113.8	374.6	365.5	165.0	188.0	130.8	205.0		417.5	
30	290.0	190.0	110.6	154.2	404.6	400.4	216.1	215.0	114.6	218.3		385.0	
31		203.0		180.0	413.0		98.6		114.6	226.0		396.2	
TOTAL	8548.7	5878.4	7668.4	5361.1	8794.1	15891.2	11494.7	7609.6	4534.9	5446.0	7147.4	10949.6	99324.1 CMSDAY
MEAN	285.0	189.6	255.6	172.9	283.7	529.7	370.8	253.7	146.3	175.7	255.3	353.2	272.1 CMS
MAX	352.5	268.4	462.5	290.0	441.5	806.0	744.8	370.7	209.0	231.5	339.5	453.5	806.0 CMS
MIN	148.8	117.8	110.6	75.7	95.4	315.2	98.6	94.6	83.4	94.6	182.0	208.0	75.7 CMS
RUNOFF	738.61	507.89	662.55	463.20	759.81	1373.00	993.14	657.47	391.82	470.53	617.54	946.05	8581.60 MCM

MOMENTARY PEAK 824.00 CMS, AT 41.10 M (MSL), AT 21.00 HOURS, ON SEP 1, 1984

RUNOFF YIELD 10.76 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

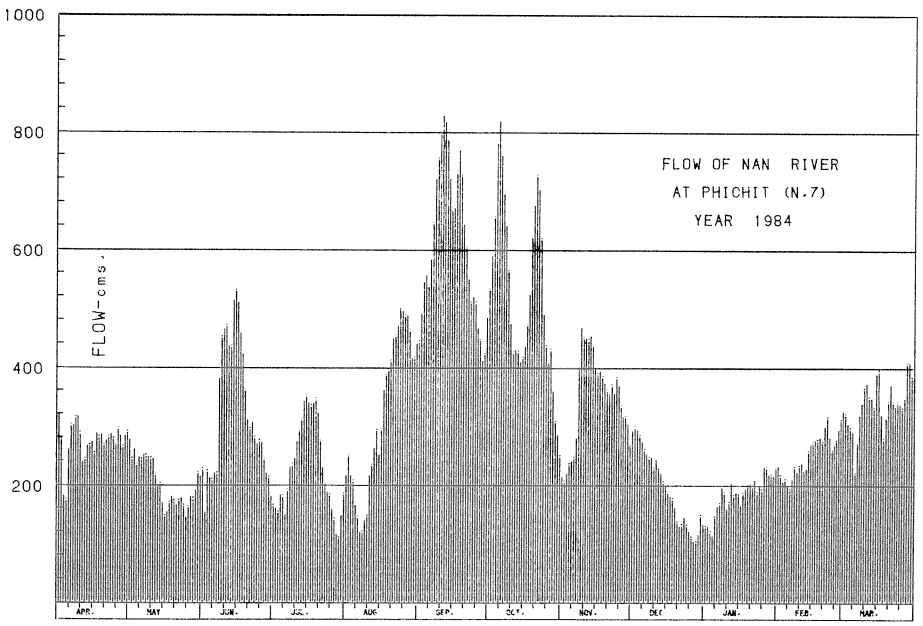
NAN RIVER AT PHICHIT, PHICHIT (N.7)

LOCATION	LAT. 16-26-31 N., LONG. 100-21-11 E., ON RIGHT BANK INFRONT OF PHICHIT PHITHAYA KHAM SCHOOL, AMPHOE MUANG, PHICHIT.
DRAINAGE AREA	29,153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+26.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF PHICHIT PHITTHAYA KHAM SCHOOL.
ELEVATION	+37.228 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1934 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971. STAGE-DISCHARGE RELATION DEFINED BY 10 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.04	29.65	29.14	28.43	28.99	31.06	31.74	28.97	29.78	27.98	29.17	30.09	
2	29.67	29.33	28.26	28.35	29.38	31.41	32.16	28.90	29.86	27.96	29.01	30.06	
3	28.61	29.48	29.10	28.29	28.99	31.85	32.64	29.03	29.79	27.86	28.87	29.89	
4	28.54	29.22	28.95	28.64	28.91	31.92	33.43	29.23	29.72	27.75	28.94	29.84	
5	29.48	29.34	28.94	28.63	28.41	31.79	33.69	29.26	29.60	28.18	28.80	29.77	
6	29.89	29.32	29.05	28.21	28.18	32.11	33.30	29.35	29.49	28.39	28.74	29.05	
7	29.87	29.39	29.06	28.74	27.83	32.56	32.92	29.67	29.40	28.47	28.92	29.58	
8	30.01	29.40	30.56	29.15	27.86	33.05	32.52	30.71	29.35	28.76	29.17	30.02	
9	30.01	29.35	31.12	29.22	28.08	33.28	31.98	31.23	29.34	28.68	29.06	30.21	
10	29.77	29.34	31.21	29.31	28.20	33.53	31.28	31.11	29.15	28.33	29.19	30.43	
11	29.25	29.31	31.27	29.65	28.99	33.75	30.92	31.09	29.29	28.49	29.22	30.49	
12	29.33	29.03	30.99	29.78	29.21	33.66	30.94	31.08	29.13	28.85	29.08	30.31	
13	29.54	28.80	31.00	29.98	29.50	33.49	30.93	31.12	29.03	28.63	29.12	30.28	
14	29.57	28.86	31.59	30.24	29.81	33.06	30.78	31.01	28.89	28.67	29.46	30.16	
15	29.60	28.46	31.73	30.33	29.38	32.73	30.85	30.71	28.79	28.65	29.56	30.63	
16	29.43	28.20	31.56	30.22	29.82	32.74	30.98	30.64	28.70	28.40	29.61	30.68	
17	29.75	28.27	31.19	30.19	30.40	33.13	31.28	30.66	28.60	28.68	29.64	30.03	
18	29.71	28.49	30.88	30.21	30.63	33.36	31.66	30.60	28.57	28.75	29.65	29.67	
19	29.73	28.60	30.41	30.29	30.66	33.10	32.40	30.49	28.36	28.82	29.68	29.98	
20	29.57	28.53	29.95	30.06	30.81	32.54	32.77	30.41	28.07	28.84	29.62	30.25	
21	29.63	28.42	29.83	29.65	31.09	32.27	33.10	30.35	27.96	28.82	29.85	30.47	
22	29.71	28.54	29.92	29.14	31.14	31.86	32.94	30.48	28.02	28.91	30.01	30.24	
23	29.74	28.57	29.70	28.83	31.26	31.57	32.37	30.35	28.15	28.69	29.68	30.16	
24	29.68	28.43	29.57	28.68	31.48	31.63	31.40	30.59	28.00	28.80	29.47	30.24	
25	29.56	28.15	29.65	28.65	31.45	31.57	31.00	30.46	27.85	28.74	29.55	30.20	
26	29.84	28.40	29.59	28.33	31.40	31.22	30.76	30.18	27.74	29.15	29.64	30.15	
27	29.71	28.60	29.33	28.14	31.39	31.08	30.95	30.00	27.61	29.17	29.80	30.28	
28	29.54	28.58	29.04	27.80	31.21	30.80	30.38	30.02	27.63	29.00	29.97	30.78	
29	29.71	28.72	28.98	27.73	30.83	30.90	29.94	29.89	27.79	29.02		30.77	
30	29.79	29.07	28.60	28.19	30.85	31.36	29.72	29.56	28.21	28.98		30.59	
31		28.98		28.67	31.02		29.38		28.00	29.17		30.55	
MEAN	29.61	28.87	30.01	29.09	29.91	32.28	31.65	30.24	28.71	28.63	29.37	30.19	
MAX	30.04	29.65	31.73	30.33	31.48	33.75	33.69	31.23	29.86	29.17	30.01	30.78	33.75
MIN	28.54	28.15	28.26	27.73	27.83	30.80	29.38	28.90	27.61	27.75	28.74	29.05	27.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 33.78 M (MSL), AT 6.00 HOURS, ON SEP 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 26.00 M (MSL), RIVER BED 24.89 M (MSL)
LEFT BANK ELEVATION 35.73 M (MSL)
RIGHT BANK ELEVATION 37.32 M (MSL), DRAINAGE AREA 29153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	320.4	278.0	229.6	167.4	216.1	445.8	534.2	214.3	291.8	131.4	232.3	325.9	
2	280.0	246.7	153.8	161.0	251.2	491.3	590.4	208.0	300.6	129.8	217.9	322.6	
3	181.9	261.0	226.0	156.2	216.1	548.5	657.6	219.7	292.9	121.8	205.3	303.9	
4	176.2	236.8	212.5	184.6	208.9	557.6	780.8	237.7	285.2	113.5	211.6	298.4	
5	261.0	247.6	211.6	183.7	165.8	540.7	822.4	240.4	273.0	147.4	199.0	290.7	
6	303.9	245.8	221.5	149.8	147.4	583.4	760.0	248.5	262.0	164.2	193.6	221.5	
7	301.7	252.1	222.4	193.6	119.4	646.4	699.2	280.0	253.0	170.6	209.8	271.0	
8	317.1	253.0	381.2	230.5	121.8	720.0	640.8	400.3	248.5	195.4	232.3	318.2	
9	317.1	248.5	453.6	236.8	139.4	756.8	565.4	467.9	247.6	188.2	222.4	339.2	
10	290.7	247.6	465.3	244.9	149.0	796.8	474.4	452.3	230.5	159.4	234.1	365.6	
11	239.5	244.9	473.1	278.0	216.1	832.0	427.6	449.7	243.1	172.2	236.8	372.8	
12	246.7	219.7	436.7	291.8	235.9	817.6	430.2	448.4	228.7	203.5	224.2	351.2	
13	267.0	199.0	438.0	313.8	263.0	790.4	428.9	453.6	219.7	183.7	227.8	347.6	
14	270.0	204.4	514.7	342.8	295.1	721.6	409.4	439.3	207.1	187.3	259.0	333.6	
15	273.0	169.8	532.9	353.6	251.2	670.2	418.5	400.3	198.1	185.5	269.0	389.9	
16	256.0	149.0	510.8	340.4	296.2	671.6	435.4	391.2	190.0	165.0	274.0	396.4	
17	288.5	154.6	462.7	336.9	362.0	732.8	474.4	393.8	181.0	188.2	277.0	319.3	
18	284.1	172.2	422.4	339.2	389.9	769.6	523.8	386.0	178.6	194.5	278.0	280.0	
19	286.3	181.0	363.2	348.8	393.8	728.0	624.0	372.8	161.8	200.8	281.0	313.8	
20	270.0	175.4	310.5	322.6	413.3	643.6	675.8	363.2	138.6	202.6	275.0	344.0	
21	276.0	166.6	297.3	278.0	449.7	605.8	728.0	356.0	129.8	200.8	299.5	370.4	
22	284.1	176.2	307.2	229.6	456.2	549.8	702.4	371.6	134.6	208.9	317.1	342.8	
23	287.4	178.6	283.0	201.7	471.8	512.1	619.8	356.0	145.0	189.1	281.0	333.6	
24	281.0	167.4	270.0	188.2	500.4	519.9	490.0	384.8	133.0	199.0	260.0	342.8	
25	269.0	145.0	278.0	185.5	496.5	512.1	438.0	369.2	121.0	193.6	268.0	338.0	
26	298.4	165.0	272.0	159.4	490.0	466.6	406.8	335.8	112.8	230.5	277.0	332.5	
27	284.1	181.0	246.7	144.2	488.7	448.4	431.5	316.0	103.7	232.3	294.0	347.6	
28	267.0	179.4	220.6	117.0	465.3	412.0	359.6	318.2	105.1	217.0	312.7	409.4	
29	284.1	191.8	215.2	112.1	415.9	425.0	309.4	303.9	116.3	218.8		408.1	
30	292.9	223.3	181.0	148.2	418.5	484.8	285.2	269.0	149.8	215.2		384.8	
31		215.2		187.3	440.6		251.2		133.0	232.3		380.0	
TOTAL	8255.1	6376.6	9813.5	7127.6	9945.2	18401.2	16395.1	10447.9	6015.9	5742.5	7069.4	10495.6	116085.6 CMSDAY
MEAN	275.2	205.7	327.1	229.9	320.8	613.4	528.9	348.3	194.1	185.2	252.5	338.6	318.0 CMS
MAX	320.4	278.0	532.9	353.6	500.4	832.0	822.4	467.9	300.6	232.3	317.1	409.4	832.0 CMS
MIN	176.2	145.0	153.8	112.1	119.4	412.0	251.2	208.0	103.7	113.5	193.6	221.5	103.7 CMS
RUNOFF	713.24	550.94	847.89	615.82	859.27	1589.86	1416.54	902.70	519.77	496.15	610.80	906.82	10029.80 MCM

MOMENTARY PEAK 836.80 CMS, AT 33.78 M (MSL), AT 6.00 HOURS, ON SEP 11, 1984

RUNOFF YIELD 10.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

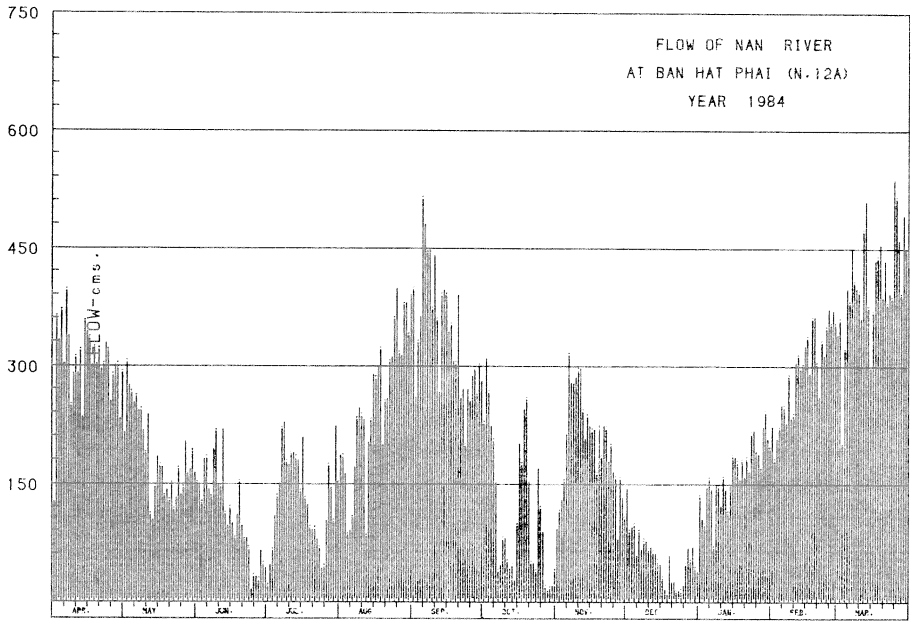
NAN RIVER AT BAN HAT PHAI, UTTARADIT (N.12A)

LOCATION	LAT. 17-44-10 N., LONG. 100-32-28 E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM SIRIKIT DAM SITE, ALONG PHASOM-SILOT ROAD AT BAN HAT PHAI, AMPHOE THA PHA, UTTARADIT.
DRAINAGE AREA	15,718 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+69.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	B.M.1=+84.00 M. (M.S.L.), B.M.2=+83.655 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 81 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	71.08	71.70	71.28	70.00	71.51	72.75	71.80	70.78	71.21	71.15	71.75	72.44	
2	72.57	72.26	71.24	70.32	71.52	71.98	72.27	71.00	70.77	70.90	71.48	72.55	
3	72.40	72.07	71.09	70.53	71.35	72.40	72.03	71.10	70.80	70.86	71.65	71.61	
4	72.61	72.03	71.48	70.94	70.73	72.56	71.76	71.30	70.85	71.22	71.75	72.34	
5	72.23	71.94	71.51	71.15	70.76	73.33	71.65	71.69	70.44	71.32	71.92	72.74	
6	72.74	72.00	71.20	71.26	70.94	73.15	71.27	72.31	70.77	71.20	71.92	72.66	
7	72.43	71.88	71.14	71.75	71.41	72.98	70.26	72.09	70.52	70.56	71.78	73.00	
8	71.93	71.90	71.56	71.79	71.83	72.99	70.32	72.11	70.66	71.25	72.15	72.79	
9	72.16	71.72	71.73	71.47	71.90	72.62	70.68	72.13	70.62	71.25	71.82	72.74	
10	72.29	71.54	71.24	71.43	71.86	72.95	70.66	72.20	70.54	71.04	71.86	72.73	
11	72.16	71.85	71.25	71.54	71.81	72.55	70.39	72.20	70.55	71.33	72.24	72.55	
12	72.34	70.97	71.73	71.53	70.71	72.02	70.27	71.89	70.51	71.20	72.30	73.12	
13	71.83	70.89	70.98	71.51	71.62	72.71	70.35	71.65	70.47	70.99	72.19	73.30	
14	72.54	71.25	70.82	71.47	71.82	72.73	70.06	71.85	70.40	71.24	72.23	72.63	
15	72.46	71.50	71.04	71.20	72.15	72.71	70.85	71.76	70.33	71.52	72.36	72.20	
16	72.43	71.44	70.85	71.66	72.14	72.46	71.61	71.74	70.14	71.50	72.43	72.60	
17	72.22	71.41	70.68	71.13	72.21	72.52	71.45	71.73	69.89	71.47	72.16	72.92	
18	72.36	71.15	70.95	71.05	72.35	72.25	71.89	71.37	69.86	71.30	72.56	72.95	
19	72.23	71.20	71.29	70.82	71.60	72.25	71.98	71.77	70.44	71.48	72.56	73.02	
20	72.35	71.11	70.82	70.77	71.96	72.70	71.28	71.51	70.08	71.32	72.24	72.70	
21	72.19	71.28	70.66	70.81	71.97	71.99	70.37	71.76	70.04	71.50	71.98	72.92	
22	72.24	71.02	70.66	70.65	72.26	72.04	70.34	71.76	69.88	71.37	72.40	72.65	
23	72.38	71.12	70.56	70.56	72.28	71.61	70.25	71.46	69.85	71.71	72.29	72.71	
24	72.34	71.41	69.89	70.27	72.56	72.04	71.40	71.61	69.92	71.72	72.50	72.69	
25	71.95	71.15	70.18	70.33	72.74	71.97	71.04	71.37	69.97	71.54	72.61	73.44	
26	72.16	71.24	70.13	70.88	72.32	72.14	70.74	71.33	70.35	71.52	72.52	73.33	
27	72.22	71.63	70.12	71.44	72.29	72.21	69.98	70.65	70.54	71.40	72.60	73.05	
28	72.24	71.35	70.50	71.22	72.65	72.01	69.85	71.32	70.39	71.75	72.52	72.71	
29	71.82	71.39	70.36	70.90	72.65	72.23	69.95	71.12	70.55	71.88		73.21	
30	72.18	71.56	70.28	71.76	72.45	72.10	69.96	70.93	70.30	71.65		72.99	
31		71.36		71.28	72.70		70.26		70.22	71.58		72.88	
MEAN	72.24	71.49	70.91	71.08	71.90	72.43	70.87	71.58	70.38	71.35	72.17	72.78	
MAX	72.74	72.26	71.73	71.79	72.74	73.33	72.27	72.31	71.21	71.88	72.61	73.44	73.44
MIN	71.08	70.89	69.89	70.00	70.71	71.61	69.85	70.65	69.85	70.56	71.48	71.61	69.85

ANNUAL MAX MOMENTARY GAGE HEIGHT 74.33 M (MSL), AT 17.00 HOURS, ON SEP 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 69.00 M (MSL), RIVER BED 67.60 M (MSL)
LEFT BANK ELEVATION 84.95 M (MSL)
RIGHT BANK ELEVATION 84.19 M (MSL), DRAINAGE AREA 15718 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	127.4	215.0	153.4	23.0	186.5	400.7	230.0	93.0	144.3	136.5	222.5	340.2	
2	364.9	308.2	148.2	47.0	188.0	260.6	309.9	117.0	92.0	105.0	182.0	361.0	
3	333.0	275.9	128.7	68.0	163.0	333.0	269.1	130.0	95.0	101.0	207.5	201.5	
4	372.9	269.1	182.0	109.8	88.0	362.9	224.0	156.0	100.0	145.6	222.5	322.2	
5	303.1	253.8	186.5	136.5	91.0	516.2	207.5	213.5	59.0	158.8	250.4	398.8	
6	398.8	264.0	143.0	150.8	109.8	480.4	152.1	316.8	92.0	143.0	250.4	382.8	
7	338.4	243.6	135.2	222.5	171.5	446.5	41.8	279.3	67.0	71.0	227.0	450.5	
8	252.1	247.0	194.0	228.5	235.1	448.5	47.0	282.7	81.0	149.5	289.5	408.7	
9	291.2	218.0	219.5	180.5	247.0	374.9	83.0	286.1	77.0	149.5	233.4	398.8	
10	313.3	191.0	148.2	174.5	240.2	440.5	81.0	298.0	69.0	122.2	240.2	396.8	
11	291.2	238.5	149.5	191.0	231.7	361.0	54.0	298.0	70.0	160.2	304.8	361.0	
12	322.2	113.4	219.5	189.5	86.0	267.4	42.6	245.3	66.0	143.0	315.0	474.4	
13	235.1	104.0	114.6	186.5	203.0	392.8	50.0	207.5	62.0	115.8	296.3	510.2	
14	359.0	149.5	97.0	180.5	233.4	396.8	27.2	238.5	55.0	148.2	303.1	376.9	
15	343.8	185.0	122.2	143.0	289.5	392.8	100.0	224.0	48.0	188.0	325.8	298.0	
16	338.4	176.0	100.0	209.0	287.8	343.8	201.5	221.0	32.8	185.0	338.4	370.9	
17	301.4	171.5	83.0	133.9	299.7	355.0	177.5	219.5	15.6	180.5	291.2	434.6	
18	325.8	136.5	111.0	123.5	324.0	306.5	245.3	165.8	14.4	156.0	362.9	440.5	
19	303.1	143.0	154.7	97.0	200.0	306.5	260.6	225.5	59.0	182.0	362.9	454.5	
20	324.0	131.3	97.0	92.0	257.2	390.8	153.4	186.5	28.6	158.8	304.8	390.8	
21	296.3	153.4	81.0	96.0	258.9	262.3	52.0	224.0	25.8	185.0	260.6	434.6	
22	304.8	119.6	81.0	80.0	308.2	270.8	49.0	224.0	15.2	165.8	333.0	380.9	
23	329.4	132.6	71.0	71.0	311.6	201.5	41.0	179.0	14.0	216.5	313.3	392.8	
24	322.2	171.5	15.6	42.6	362.9	270.8	170.0	201.5	17.4	218.0	351.0	388.8	
25	255.5	136.5	35.6	48.0	398.8	258.9	122.2	165.8	20.9	191.0	372.9	538.1	
26	291.2	148.2	32.1	103.0	318.6	287.8	89.0	160.2	50.0	188.0	355.0	516.2	
27	301.4	204.5	31.4	176.0	313.3	299.7	21.6	80.0	69.0	170.0	370.9	460.5	
28	304.8	163.0	65.0	145.6	380.9	265.7	14.0	158.8	54.0	222.5	355.0	392.8	
29	233.4	168.6	51.0	105.0	380.9	303.1	19.5	132.6	70.0	243.6		492.3	
30	294.6	194.0	43.4	224.0	342.0	281.0	20.2	108.6	45.0	207.5		448.5	
31		164.4		153.4	390.8		41.8		38.6	197.0		426.6	
TOTAL	9172.7	5790.6	3394.3	4131.6	7899.3	10279.2	3597.8	6038.5	1747.6	5104.5	8242.3	12645.2	78043.6 CMSDAY
MEAN	305.8	186.8	113.1	133.3	254.8	342.6	116.1	201.3	56.4	164.7	294.4	407.9	213.8 CMS
MAX	398.8	308.2	219.5	228.5	398.8	516.2	309.9	316.8	144.3	243.6	372.9	538.1	538.1 CMS
MIN	127.4	104.0	15.6	23.0	86.0	201.5	14.0	80.0	14.0	71.0	182.0	201.5	14.0 CMS
RUNOFF	792.52	500.31	293.27	356.97	682.50	888.12	310.85	521.73	150.99	441.03	712.13	1092.55	6742.97 MCM

MOMENTARY PEAK 734.90 CMS, AT 74.33 M (MSL), AT 17.00 HOURS, ON SEP 3, 1984

RUNOFF YIELD 13.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 46.76 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

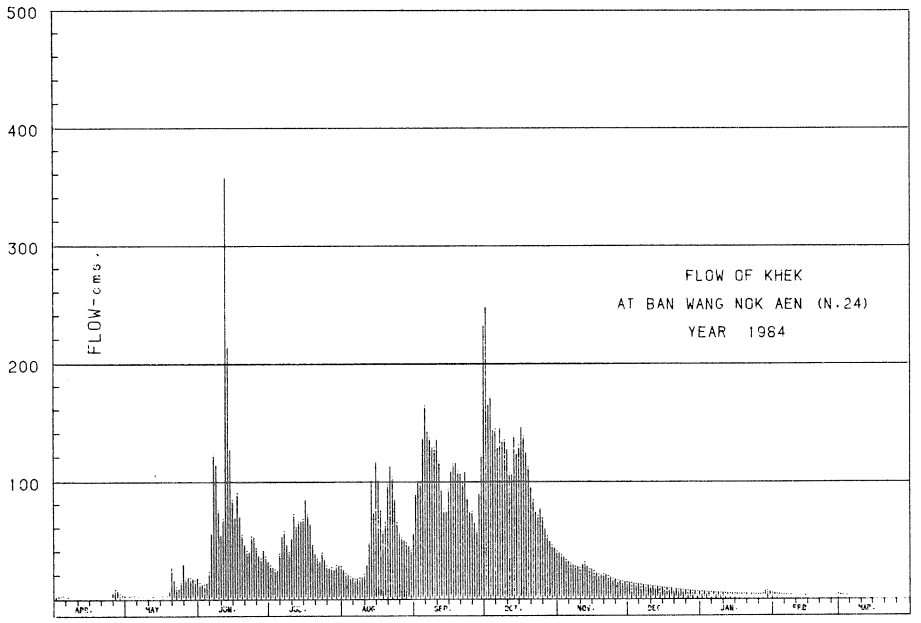
KHEK RIVER AT BAN WANG NOK AEN, PHITSANULOK (N.24)

LOCATION	LAT. 16-50-35 N., LONG. 100-31-20 E., ON RIGHT BANK ABOUT 2 KILOMETERS DOWNSTREAM FROM SAKUNOTHAYAN FALL, AMPHOE WANG THONG, PHITSANULOK.
DRAINAGE AREA	1,861 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+12.845 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 54 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.77	1.60	2.34	2.14	4.52	8.17	2.76	1.60	1.08	0.97	0.88	
2	0.73	0.73	1.48	2.25	2.00	4.80	6.44	2.70	1.57	1.08	0.94	0.84	
3	0.77	0.80	1.51	2.16	1.94	4.76	6.63	2.62	1.54	1.07	0.92	0.82	
4	0.80	0.79	1.58	2.11	1.87	5.72	5.90	2.53	1.52	1.06	0.89	0.79	
5	0.75	0.76	2.08	2.75	1.80	6.43	5.93	2.47	1.50	1.05	0.88	0.75	
6	0.71	0.73	3.38	3.30	1.76	5.87	5.52	2.42	1.48	1.04	0.86	0.73	
7	0.67	0.76	5.40	3.46	1.78	5.75	5.98	2.34	1.46	1.04	0.86	0.71	
8	0.64	0.76	5.17	3.04	1.81	5.54	5.66	2.29	1.44	1.03	0.86	0.72	
9	0.61	0.73	4.06	2.80	1.82	5.54	5.70	2.27	1.43	1.02	0.84	0.72	
10	0.63	0.78	3.33	3.24	1.97	5.71	5.50	2.22	1.41	1.01	0.83	0.73	
11	0.63	0.80	3.81	3.94	2.34	5.26	5.00	2.35	1.39	1.00	0.81	0.73	
12	0.64	0.73	9.84	3.58	3.16	4.58	4.96	2.45	1.37	0.99	0.80	0.72	
13	0.65	0.70	7.55	3.73	4.82	4.08	5.79	2.28	1.35	0.98	0.79	0.70	
14	0.64	0.71	5.50	3.73	4.03	4.00	5.39	2.16	1.34	0.97	0.78	0.68	
15	0.66	0.70	4.35	3.81	5.23	4.61	5.60	2.17	1.32	0.96	0.77	0.68	
16	0.63	0.80	3.83	4.34	4.83	5.03	5.97	2.09	1.30	0.96	0.76	0.67	
17	0.64	0.77	4.52	3.94	4.05	5.20	5.78	2.00	1.29	0.96	0.76	0.66	
18	0.76	0.78	3.86	3.65	3.46	5.21	5.43	1.94	1.27	0.95	0.75	0.65	
19	0.73	1.08	3.36	3.04	3.74	5.04	5.13	1.92	1.26	0.95	0.74	0.64	
20	0.67	2.23	3.04	2.73	4.72	4.98	4.64	1.97	1.24	0.95	0.74	0.64	
21	0.64	1.70	2.84	2.57	5.14	4.75	4.34	1.94	1.23	0.94	0.73	0.63	
22	0.63	1.37	2.78	2.47	4.91	5.02	3.99	1.87	1.21	0.93	0.73	0.63	
23	0.61	1.23	3.31	2.78	4.35	4.43	3.89	1.82	1.20	0.93	0.72	0.63	
24	0.63	1.72	3.28	2.54	3.70	3.98	4.09	1.77	1.18	0.92	0.75	0.62	
25	0.99	2.37	2.93	2.32	3.41	4.02	3.82	1.73	1.16	0.91	0.76	0.62	
26	1.24	1.82	2.67	2.20	3.28	3.69	3.51	1.69	1.15	0.92	0.76	0.61	
27	1.12	1.82	2.59	2.25	3.19	3.48	3.31	1.67	1.14	0.94	0.85	0.62	
28	0.97	1.81	2.84	2.14	3.12	4.49	3.15	1.65	1.13	1.12	0.92	0.60	
29	0.86	1.76	2.65	2.35	3.00	5.39	3.02	1.63	1.12	1.15		0.60	
30	0.80	1.70	2.46	2.34	2.86	7.88	2.92	1.61	1.10	1.07		0.57	
31		1.80		2.30	3.39		2.82		1.09	1.00		0.60	
MEAN	0.74	1.16	3.59	2.91	3.21	4.99	4.97	2.11	1.32	1.00	0.81	0.68	
MAX	1.24	2.37	9.84	4.34	5.23	7.88	8.17	2.76	1.60	1.15	0.97	0.88	9.84
MIN	0.61	0.70	1.48	2.11	1.76	3.48	2.82	1.61	1.09	0.91	0.72	0.57	0.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.72 M (A.D), AT 6.00 HOURS, ON JUN 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.57 M (A.D)
LEFT BANK ELEVATION 13.91 M (A.D)
RIGHT BANK ELEVATION 15.58 M (A.D), DRAINAGE AREA 1861 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	2.70	14.00	28.80	24.80	90.20	249.20	39.00	14.00	6.20	4.70	3.80	
2	2.30	2.30	12.20	27.00	22.00	100.00	164.60	37.50	13.55	6.20	4.40	3.40	
3	2.70	3.00	12.65	25.20	20.80	98.60	172.20	35.50	13.10	6.05	4.20	3.20	
4	3.00	2.90	13.70	24.20	19.40	135.80	143.00	33.25	12.80	5.90	3.90	2.90	
5	2.50	2.60	23.60	38.75	18.00	164.20	144.20	31.75	12.50	5.75	3.80	2.50	
6	2.10	2.30	55.40	53.00	17.20	141.80	127.80	30.50	12.20	5.60	3.60	2.30	
7	1.70	2.60	123.00	57.80	17.60	137.00	146.20	28.80	11.90	5.60	3.60	2.10	
8	1.40	2.60	113.80	46.00	18.20	128.60	133.40	27.80	11.60	5.45	3.60	2.20	
9	1.10	2.30	75.80	40.00	18.40	128.60	135.00	27.40	11.45	5.30	3.40	2.20	
10	1.30	2.80	53.90	51.20	21.40	135.40	127.00	26.40	11.15	5.15	3.30	2.30	
11	1.30	3.00	68.30	72.20	28.80	117.40	107.00	29.00	10.85	5.00	3.10	2.30	
12	1.40	2.30	357.80	61.40	49.00	92.30	105.60	31.25	10.55	4.90	3.00	2.20	
13	1.50	2.00	215.50	65.90	100.70	76.40	138.60	27.60	10.25	4.80	2.90	2.00	
14	1.40	2.10	127.00	65.90	74.90	74.00	122.60	25.20	10.10	4.70	2.80	1.80	
15	1.60	2.00	84.50	68.30	116.20	93.35	131.00	25.40	9.80	4.60	2.70	1.80	
16	1.30	3.00	68.90	84.20	101.05	108.20	145.80	23.80	9.50	4.60	2.60	1.70	
17	1.40	2.70	90.20	72.20	75.50	115.00	138.20	22.00	9.35	4.60	2.60	1.60	
18	2.60	2.80	69.80	63.50	57.80	115.40	124.20	20.80	9.05	4.50	2.50	1.50	
19	2.30	6.20	54.80	46.00	66.20	108.60	112.20	20.40	8.90	4.50	2.40	1.40	
20	1.70	26.60	46.00	38.25	97.20	106.30	94.40	21.40	8.60	4.50	2.40	1.40	
21	1.40	16.00	41.00	34.25	112.60	98.25	84.20	20.80	8.45	4.40	2.30	1.30	
22	1.30	10.55	39.50	31.75	103.85	107.80	73.70	19.40	8.15	4.30	2.30	1.30	
23	1.10	8.45	53.30	39.50	84.50	87.05	70.70	18.40	8.00	4.30	2.20	1.30	
24	1.30	16.40	52.40	33.50	65.00	73.40	76.70	17.40	7.70	4.20	2.50	1.20	
25	4.90	29.40	43.25	28.40	56.30	74.60	68.60	16.60	7.40	4.10	2.60	1.20	
26	8.60	18.40	36.75	26.00	52.40	64.70	59.30	15.80	7.25	4.20	2.60	1.10	
27	6.80	18.40	34.75	27.00	49.75	58.40	53.30	15.40	7.10	4.40	3.50	1.20	
28	4.70	18.20	41.00	24.80	48.00	89.15	48.75	15.00	6.95	6.80	4.20	1.00	
29	3.60	17.20	36.25	29.00	45.00	122.60	45.50	14.60	6.80	7.25		1.00	
30	3.00	16.00	31.50	28.80	41.50	232.00	43.00	14.20	6.50	6.05		0.70	
31		18.00		28.00	55.70		40.50		6.35	5.00		1.00	
TOTAL	73.30	265.80	2090.55	1360.80	1679.75	3275.10	3426.45	732.35	301.85	158.90	87.70	56.90	13509.45 CMSDAY
MEAN	2.44	8.57	69.69	43.90	54.19	109.17	110.53	24.41	9.74	5.13	3.13	1.84	37.01 CMS
MAX	8.60	29.40	357.80	84.20	116.20	232.00	249.20	39.00	14.00	7.25	4.70	3.80	357.80 CMS
MIN	1.10	2.00	12.20	24.20	17.20	58.40	40.50	14.20	6.35	4.10	2.20	0.70	0.70 CMS
RUNOFF	6.333	22.965	180.624	117.573	145.130	282.969	296.045	63.275	26.080	13.729	7.577	4.916	1167.217 MCM

MOMENTARY PEAK 425.60 CMS, AT 10.72 M (A.D), AT 6.00 HOURS, ON JUN 12, 1984

RUNOFF YIELD 19.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 228.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

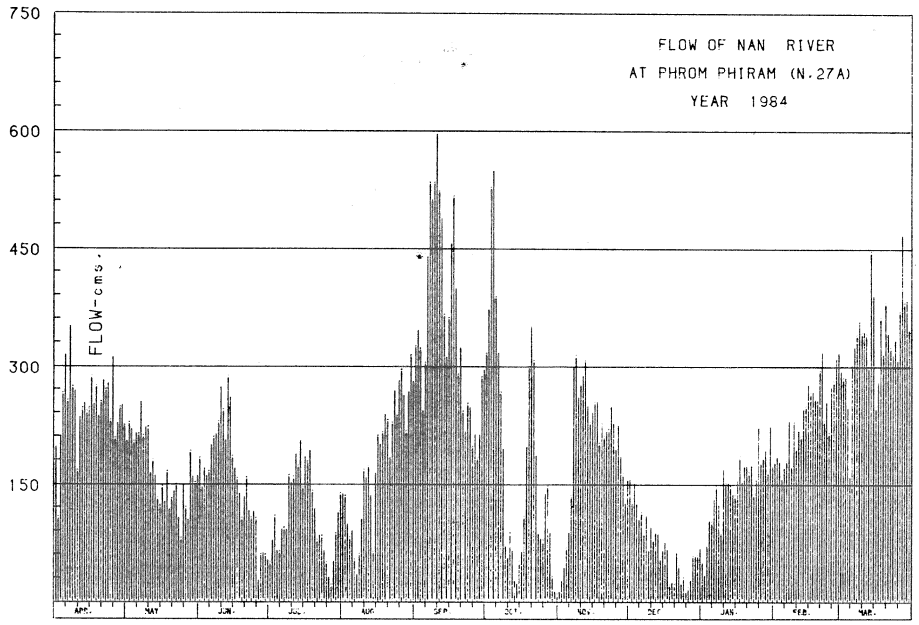
NAN RIVER AT PHROM PHIRAM, PHITSANULOK (N.27A)

LOCATION	LAT. 17-01-54 N., LONG. 100-11-05 E., ON RIGHT BANK ABOUT 1,800 METERS DOWNSTREAM FROM PHROM PHIRAM DAM, AMPHOE PHROM PHIRAM, PHITSANULOK.
DRAINAGE AREA	19,540 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 12 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+10.159 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.71	2.78	2.59	1.03	2.14	3.81	3.74	0.31	2.32	1.06	2.53	3.56	
2	1.81	3.00	2.22	1.42	2.12	3.96	4.15	0.69	2.03	0.78	2.62	3.49	
3	2.84	2.92	2.46	1.83	1.69	3.79	5.17	0.92	2.27	1.35	2.54	3.49	
4	3.33	2.78	2.37	1.23	1.48	3.13	5.30	1.29	2.04	1.74	2.35	3.19	
5	3.72	2.87	2.43	1.23	1.58	3.65	4.27	1.55	1.76	1.73	2.47	2.35	
6	3.25	2.87	2.73	1.61	1.08	4.61	3.74	2.12	1.88	2.07	2.56	3.64	
7	4.00	3.23	2.83	1.64	0.79	5.21	3.34	3.60	1.51	2.24	3.01	3.80	
8	3.40	2.85	2.86	1.60	1.18	5.07	2.69	3.72	1.85	1.99	2.50	3.92	
9	3.35	2.94	3.01	2.38	1.77	5.21	1.35	3.28	1.23	1.57	3.01	4.05	
10	2.44	2.95	3.39	2.28	2.45	5.59	1.10	3.43	1.67	2.45	2.71	3.94	
11	3.06	2.40	3.15	2.36	2.34	5.14	1.55	3.51	1.40	2.28	2.90	3.95	
12	3.17	2.57	2.79	2.63	2.50	4.92	1.23	3.67	1.58	2.28	2.84	3.93	
13	3.22	2.37	3.51	2.50	2.12	4.11	0.71	3.19	1.53	2.24	3.15	3.59	
14	3.13	2.09	3.28	2.78	1.22	3.70	0.56	3.00	1.10	2.13	3.19	4.66	
15	3.18	1.99	2.61	2.23	2.40	4.08	1.04	3.11	1.23	2.12	3.42	4.28	
16	3.51	2.24	2.46	2.60	2.85	4.72	1.21	3.23	1.42	2.31	3.33	3.18	
17	3.21	2.03	2.34	2.55	2.74	5.10	1.82	3.23	1.25	2.61	3.34	3.45	
18	3.41	2.43	2.14	2.67	2.89	4.34	2.71	2.76	0.55	2.29	3.28	4.09	
19	3.07	1.92	1.79	2.18	3.09	3.53	3.61	3.00	0.59	2.51	3.25	3.73	
20	3.24	2.08	2.10	1.93	3.03	3.79	4.00	2.84	0.56	2.49	3.57	4.22	
21	3.46	2.17	2.35	1.44	2.59	3.13	3.67	2.89	1.19	2.42	3.75	3.93	
22	3.37	2.27	1.90	1.51	3.00	2.89	2.61	2.92	0.97	2.50	3.02	3.80	
23	3.43	1.79	1.80	1.51	3.35	3.22	1.57	3.18	0.55	2.14	3.23	3.72	
24	3.03	1.47	1.89	1.23	3.08	3.17	1.45	3.02	0.73	2.32	2.88	3.89	
25	3.70	2.25	1.79	1.03	3.46	2.72	1.43	2.68	0.27	2.96	3.39	3.67	
26	2.82	1.96	0.66	0.73	3.58	2.86	2.14	2.98	0.48	2.52	3.46	4.14	
27	2.99	1.76	1.18	0.55	3.30	2.59	2.24	2.60	0.65	2.61	3.69	4.79	
28	3.18	2.67	1.19	1.04	2.90	2.85	1.55	2.40	1.15	2.67	3.76	4.22	
29	3.20	2.36	1.17	1.55	3.34	3.50	0.76	2.01	1.13	2.43		4.24	
30	2.97	2.29	1.06	1.87	3.72	3.57	0.31	2.34	1.17	2.95		3.99	
31		2.37		2.15	3.45		0.26		1.27	2.51		4.20	
MEAN	3.17	2.41	2.27	1.78	2.49	3.93	2.30	2.65	1.27	2.20	3.06	3.84	
MAX	4.00	3.23	3.51	2.78	3.72	5.59	5.30	3.72	2.32	2.96	3.76	4.79	5.59
MIN	1.81	1.47	0.66	0.55	0.79	2.59	0.26	0.31	0.27	0.78	2.35	2.35	0.26

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.70 M (A.D), AT 12.00 HOURS, ON SEP 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.80 M (A.D)
LEFT BANK ELEVATION 10.10 M (A.D)
RIGHT BANK ELEVATION 10.31 M (A.D), DRAINAGE AREA 19540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	197.1	204.8	183.9	51.1	138.0	326.3	317.2	12.3	156.0	53.2	177.3	294.2	
2	108.8	229.0	146.0	78.4	136.0	345.8	372.0	29.5	127.7	34.0	187.2	285.8	
3	211.4	220.2	170.0	110.4	99.2	323.7	528.2	43.4	151.0	73.5	178.4	285.8	
4	266.6	204.8	161.0	65.1	82.6	243.3	549.0	69.3	128.6	103.2	159.0	249.9	
5	314.6	214.7	167.0	65.1	90.4	305.5	388.8	88.0	104.8	102.4	171.0	159.0	
6	257.0	214.7	199.3	92.8	54.6	439.5	317.2	136.0	114.4	131.3	180.6	304.2	
7	351.0	254.6	210.3	95.2	34.5	534.6	267.8	299.0	84.8	148.0	230.1	325.0	
8	275.0	212.5	213.6	92.0	61.6	512.2	194.9	314.6	112.0	124.1	174.0	340.6	
9	269.0	222.4	230.1	162.0	105.6	534.6	73.5	260.6	65.1	89.6	230.1	358.0	
10	168.0	223.5	273.8	152.0	169.0	595.4	56.0	278.6	97.6	169.0	197.1	343.2	
11	235.6	164.0	245.5	160.0	158.0	523.4	88.0	288.2	77.0	152.0	218.0	344.5	
12	247.7	181.7	205.9	188.3	174.0	488.2	65.1	308.1	90.4	152.0	211.4	341.9	
13	253.4	161.0	288.2	174.0	136.0	366.4	30.5	249.9	86.4	148.0	245.5	297.8	
14	243.3	133.1	260.6	204.8	64.4	312.0	23.0	229.0	56.0	137.0	249.9	447.0	
15	248.8	124.1	186.1	147.0	164.0	362.2	51.8	241.1	65.1	136.0	277.4	390.2	
16	288.2	148.0	170.0	185.0	212.5	456.2	63.7	254.6	78.4	155.0	266.6	248.8	
17	252.2	127.7	158.0	179.5	200.4	517.0	109.6	254.6	66.5	186.1	267.8	281.0	
18	276.2	167.0	138.0	192.7	216.9	399.0	197.1	202.6	22.5	153.0	260.6	363.6	
19	236.7	117.8	107.2	142.0	238.9	290.6	300.3	229.0	24.5	175.1	257.0	315.9	
20	255.8	132.2	134.0	118.7	232.3	323.7	351.0	211.4	23.0	173.0	295.4	381.8	
21	282.2	141.0	159.0	79.8	183.9	243.3	308.1	216.9	62.3	166.0	318.5	341.9	
22	271.4	151.0	116.0	84.8	229.0	216.9	186.1	220.2	46.9	174.0	231.2	325.0	
23	278.6	107.2	108.0	84.8	269.0	253.4	89.6	248.8	22.5	138.0	254.6	314.6	
24	232.3	81.9	115.2	65.1	237.8	247.7	80.5	231.2	31.5	156.0	215.8	336.7	
25	312.0	149.0	107.2	51.1	282.2	198.2	79.1	193.8	11.1	224.6	273.8	308.1	
26	209.2	121.4	28.0	31.5	296.6	213.6	138.0	226.8	19.0	176.2	282.2	370.6	
27	227.9	104.8	61.6	22.5	263.0	183.9	148.0	185.0	27.5	186.1	310.7	467.4	
28	248.8	192.7	62.3	51.8	218.0	212.5	88.0	164.0	59.5	192.7	319.8	381.8	
29	251.0	160.0	60.9	88.0	267.8	287.0	33.0	125.9	58.1	167.0		384.6	
30	225.7	153.0	53.2	113.6	314.6	295.4	12.3	158.0	60.9	223.5		349.7	
31		161.0		139.0	281.0		10.8		67.9	175.1		379.0	
TOTAL	7495.5	5180.8	4719.9	3468.1	5611.8	10551.5	5518.2	5970.4	2199.0	4574.7	6641.0	10317.6	72248.5 CMSDAY
MEAN	249.9	167.1	157.3	111.9	181.0	351.7	178.0	199.0	70.9	147.6	237.2	332.8	197.9 CMS
MAX	351.0	254.6	288.2	204.8	314.6	595.4	549.0	314.6	156.0	224.6	319.8	467.4	595.4 CMS
MIN	108.8	81.9	28.0	22.5	34.5	183.9	10.8	12.3	11.1	34.0	159.0	159.0	10.8 CMS
RUNOFF	647.61	447.62	407.80	299.64	484.86	911.65	476.77	515.84	189.99	395.25	573.78	891.44	6242.27 MCM

MOMENTARY PEAK 613.00 CMS, AT 5.70 M (A.D), AT 12.00 HOURS, ON SEP 10, 1984

RUNOFF YIELD 10.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 31.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

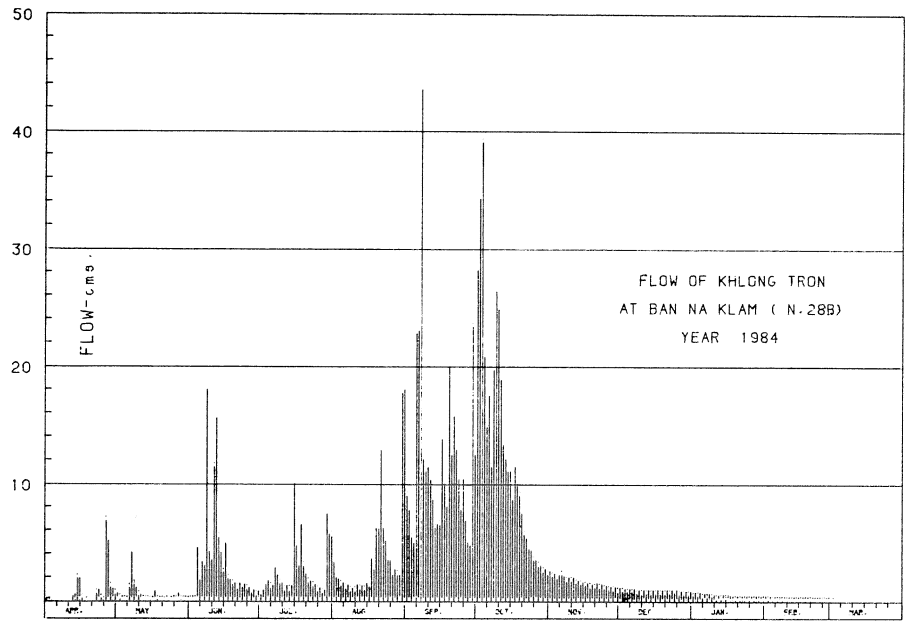
KHLONG TRON AT BAN NA KLAM, UTTARADIT (N.28B)

LOCATION	LAT. 17-34-55 N., LONG. 100-29-45 E., ON RIGHT BANK NEAR BAN NA KLAM SCHOOL ABOUT 1 KILOMETER UPSTREAM FROM STATION N.28A, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	366 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+3.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 20 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.577 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 69 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.34	4.42	4.38	4.45	4.66	4.91	5.30	4.61	4.47	4.43	4.40	4.36	
2	4.34	4.41	4.40	4.45	4.59	4.86	5.38	4.60	4.47	4.43	4.40	4.36	
3	4.33	4.39	4.39	4.53	4.55	4.79	5.45	4.59	4.46	4.43	4.39	4.36	
4	4.33	4.38	4.73	4.53	4.53	4.75	5.17	4.58	4.46	4.43	4.39	4.36	
5	4.33	4.38	4.57	4.51	4.52	5.21	5.06	4.58	4.46	4.42	4.39	4.36	
6	4.33	4.50	4.66	4.49	4.50	5.21	5.11	4.61	4.46	4.42	4.39	4.40	
7	4.32	4.71	4.67	4.65	4.50	5.51	4.98	4.57	4.46	4.42	4.39	4.41	
8	4.32	4.53	5.12	4.58	4.48	4.99	5.15	4.56	4.45	4.42	4.39	4.41	
9	4.32	4.47	4.73	4.54	4.47	4.97	5.27	4.56	4.45	4.42	4.38	4.41	
10	4.31	4.44	4.67	4.51	4.48	4.97	5.24	4.56	4.45	4.41	4.38	4.41	
11	4.31	4.41	4.98	4.49	4.50	4.95	5.14	4.56	4.45	4.41	4.38	4.40	
12	4.42	4.40	5.07	4.49	4.49	4.89	5.02	4.54	4.45	4.41	4.38	4.40	
13	4.41	4.39	4.79	4.49	4.49	4.82	5.00	4.53	4.45	4.41	4.38	4.39	
14	4.58	4.38	4.71	4.49	4.49	4.82	4.96	4.53	4.45	4.41	4.38	4.39	
15	4.55	4.37	4.62	4.94	4.51	4.83	4.97	4.52	4.45	4.41	4.38	4.39	
16	4.41	4.37	4.75	4.74	4.52	5.03	4.89	4.52	4.45	4.41	4.38	4.39	
17	4.38	4.44	4.58	4.66	4.68	4.94	4.98	4.51	4.45	4.40	4.38	4.39	
18	4.35	4.40	4.54	4.82	4.64	4.87	4.93	4.51	4.45	4.40	4.38	4.39	
19	4.35	4.38	4.53	4.66	4.81	5.16	4.91	4.50	4.45	4.40	4.38	4.39	
20	4.37	4.38	4.51	4.59	4.82	5.00	4.85	4.50	4.45	4.40	4.38	4.39	
21	4.36	4.37	4.50	4.55	5.01	5.08	4.80	4.51	4.45	4.40	4.37	4.39	
22	4.45	4.38	4.51	4.53	4.82	5.01	4.77	4.50	4.45	4.40	4.37	4.39	
23	4.45	4.36	4.51	4.52	4.76	4.95	4.74	4.50	4.45	4.40	4.37	4.40	
24	4.41	4.37	4.50	4.50	4.69	4.86	4.72	4.49	4.45	4.40	4.37	4.40	
25	4.37	4.40	4.49	4.48	4.67	4.95	4.69	4.49	4.45	4.40	4.37	4.40	
26	4.84	4.39	4.47	4.47	4.61	4.83	4.67	4.48	4.44	4.40	4.37	4.39	
27	4.76	4.42	4.47	4.46	4.62	4.77	4.66	4.48	4.44	4.40	4.37	4.39	
28	4.51	4.40	4.45	4.45	4.61	4.74	4.64	4.48	4.44	4.40	4.37	4.39	
29	4.46	4.39	4.44	4.86	4.58	5.22	4.63	4.48	4.44	4.40		4.38	
30	4.45	4.38	4.44	4.79	5.12	5.00	4.62	4.47	4.44	4.40		4.38	
31		4.38		4.80	5.12		4.61		4.44	4.40		4.38	
MEAN	4.42	4.41	4.61	4.58	4.64	4.96	4.95	4.53	4.45	4.41	4.38	4.39	
MAX	4.84	4.71	5.12	4.94	5.12	5.51	5.45	4.61	4.47	4.43	4.40	4.41	5.51
MIN	4.31	4.36	4.38	4.45	4.47	4.74	4.61	4.47	4.44	4.40	4.37	4.36	4.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.62 M (A.D), AT 14.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 3.00 M (A.D), RIVER BED 0.72 M (A.D)
LEFT BANK ELEVATION 11.13 M (A.D)
RIGHT BANK ELEVATION 9.31 M (A.D), DRAINAGE AREA 366 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.70	0.44	1.00	3.40	9.35	28.50	2.65	1.20	0.80	0.50	0.38	
2	0.32	0.60	0.50	1.00	2.40	7.80	34.30	2.50	1.20	0.80	0.50	0.38	
3	0.29	0.47	0.47	1.80	2.00	5.80	39.37	2.40	1.10	0.80	0.47	0.38	
4	0.29	0.44	4.60	1.80	1.80	5.00	20.85	2.30	1.10	0.80	0.47	0.38	
5	0.29	0.44	2.20	1.60	1.70	23.10	15.20	2.30	1.10	0.70	0.47	0.38	
6	0.29	1.50	3.40	1.40	1.50	23.10	17.55	2.65	1.10	0.70	0.47	0.00	
7	0.26	4.20	3.55	3.25	1.50	43.85	11.80	2.20	1.10	0.70	0.47	0.00	
8	0.26	1.80	18.10	2.30	1.30	12.15	19.75	2.10	1.00	0.70	0.47	0.00	
9	0.26	1.20	4.60	1.90	1.20	11.45	26.70	2.10	1.00	0.70	0.44	0.00	
10	0.23	0.90	3.55	1.60	1.30	11.45	24.90	2.10	1.00	0.60	0.44	0.00	
11	0.23	0.60	11.80	1.40	1.50	10.75	19.20	2.10	1.00	0.60	0.44	0.00	
12	0.70	0.50	15.65	1.40	1.40	8.70	13.40	1.90	1.00	0.60	0.44	0.00	
13	0.60	0.47	5.80	1.40	1.40	6.60	12.50	1.80	1.00	0.60	0.44	0.00	
14	2.30	0.44	4.20	1.40	1.40	6.60	11.10	1.80	1.00	0.60	0.44	0.00	
15	2.00	0.41	2.80	10.40	1.60	6.90	11.45	1.70	1.00	0.60	0.44	0.00	
16	0.60	0.41	5.00	4.80	1.70	13.85	8.70	1.70	1.00	0.60	0.44	0.00	
17	0.44	0.90	2.30	3.40	3.70	10.40	11.80	1.60	1.00	0.50	0.44	0.00	
18	0.35	0.50	1.90	6.60	3.10	8.10	10.05	1.60	1.00	0.50	0.44	0.00	
19	0.35	0.44	1.80	3.40	6.30	20.30	9.35	1.50	1.00	0.50	0.44	0.00	
20	0.41	0.44	1.60	2.40	6.60	12.50	7.50	1.50	1.00	0.50	0.44	0.00	
21	0.38	0.41	1.50	2.00	12.95	16.10	6.00	1.60	1.00	0.50	0.41	0.00	
22	1.00	0.44	1.60	1.80	6.60	12.95	5.40	1.50	1.00	0.50	0.41	0.00	
23	1.00	0.38	1.60	1.70	5.20	10.75	4.80	1.50	1.00	0.50	0.41	0.00	
24	0.60	0.41	1.50	1.50	3.85	7.80	4.40	1.40	1.00	0.50	0.41	0.00	
25	0.41	0.50	1.40	1.30	3.55	10.75	3.85	1.40	1.00	0.50	0.41	0.00	
26	7.20	0.47	1.20	1.20	2.65	6.90	3.55	1.30	0.90	0.50	0.41	0.00	
27	5.20	0.70	1.20	1.10	2.80	5.40	3.40	1.30	0.90	0.50	0.41	0.00	
28	1.60	0.50	1.00	1.00	2.65	4.80	3.10	1.30	0.90	0.50	0.41	0.00	
29	1.10	0.47	0.90	7.80	2.30	23.70	2.95	1.30	0.90	0.50		0.00	
30	1.00	0.44	0.90	5.80	18.10	12.50	2.80	1.20	0.90	0.50		0.00	
31		0.44		6.00	18.10		2.65		0.90	0.50		0.00	
TOTAL	30.28	22.52	107.06	85.45	125.55	369.40	396.87	54.30	31.30	18.40	12.38	1.90	1255.41 CMSDAY
MEAN	1.01	0.73	3.57	2.76	4.05	12.31	12.80	1.81	1.01	0.59	0.44	0.06	3.44 CMS
MAX	7.20	4.20	18.10	10.40	18.10	43.85	39.37	2.65	1.20	0.80	0.50	0.38	43.85 CMS
MIN	0.23	0.38	0.44	1.00	1.20	4.80	2.65	1.20	0.90	0.50	0.41	0.00	0.00 CMS
RUNOFF	2.616	1.946	9.250	7.383	10.848	31.916	34.290	4.692	2.704	1.590	1.070	0.164	108.467 MCM

MOMENTARY PEAK 53.30 CMS, AT 5.62 M (A.D), AT 14.00 HOURS, ON OCT 2, 1984

RUNOFF YIELD 9.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 145.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

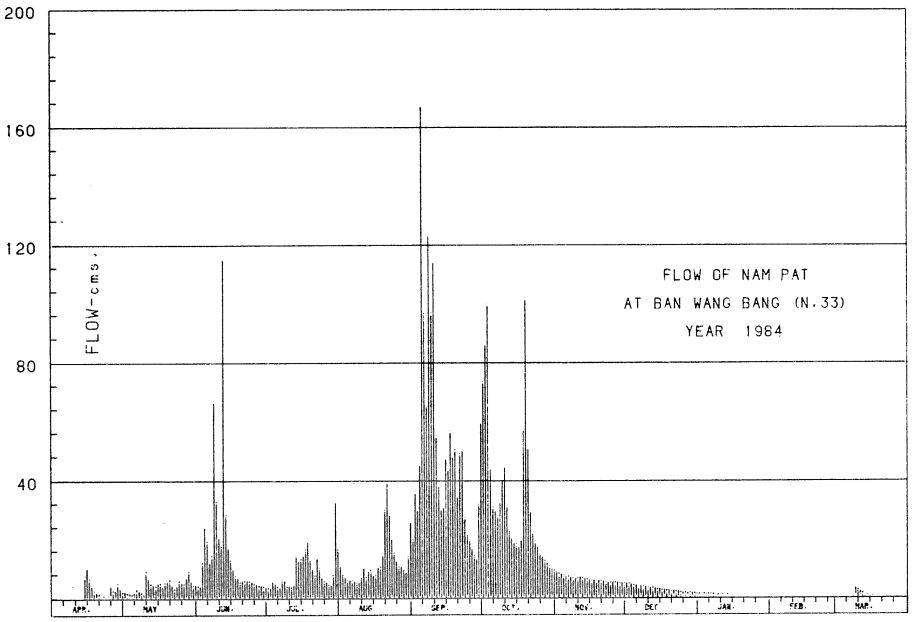
NAM PAT AT BAN WANG BANG, UTTARADIT (N.33)

LOCATION	LAT. 17-43-05 N., LONG. 100-34-32 E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	2,463 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+79.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+87.268 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 91 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	79.23	79.36	79.49	79.45	79.79	80.10	80.97	79.73	79.53	79.33	79.23	79.19	
2	79.21	79.35	79.47	79.43	79.70	80.44	81.11	79.72	79.53	79.33	79.23	79.18	
3	79.21	79.34	79.84	79.56	79.64	80.35	81.26	79.71	79.51	79.33	79.23	79.18	
4	79.21	79.33	80.22	79.52	79.60	80.60	80.58	79.70	79.50	79.33	79.22	79.17	
5	79.22	79.35	80.08	79.47	79.59	81.88	80.36	79.68	79.49	79.33	79.22	79.16	
6	79.21	79.42	79.83	79.44	79.59	81.23	80.33	79.67	79.48	79.33	79.22	79.17	
7	79.20	79.38	79.92	79.62	79.57	80.87	80.30	79.65	79.47	79.32	79.21	79.19	
8	79.19	79.36	80.88	79.58	79.55	81.49	80.39	79.64	79.47	79.32	79.21	79.27	
9	79.19	79.33	80.40	79.47	79.54	81.23	80.53	79.62	79.46	79.31	79.22	79.42	
10	79.19	79.74	80.11	79.48	79.64	81.40	80.59	79.63	79.45	79.31	79.22	79.40	
11	79.21	79.62	80.02	79.46	79.77	80.74	80.37	79.65	79.44	79.31	79.21	79.36	
12	79.27	79.53	81.41	79.49	79.65	80.48	80.19	79.64	79.45	79.31	79.21	79.34	
13	79.28	79.50	80.31	79.93	79.74	80.35	80.13	79.62	79.43	79.31	79.20	79.31	
14	79.69	79.49	80.00	79.85	79.76	80.35	80.05	79.61	79.42	79.30	79.20	79.29	
15	79.77	79.53	79.87	79.88	79.68	80.64	80.05	79.59	79.42	79.30	79.20	79.27	
16	79.63	79.54	79.76	79.91	79.70	80.57	80.01	79.59	79.41	79.30	79.20	79.26	
17	79.47	79.46	79.68	79.99	79.78	80.76	80.12	79.59	79.40	79.29	79.20	79.24	
18	79.40	79.55	79.63	80.07	79.79	80.64	80.76	79.58	79.40	79.29	79.20	79.23	
19	79.35	79.56	79.56	79.89	79.91	80.68	81.28	79.58	79.39	79.29	79.20	79.22	
20	79.33	79.61	79.58	79.76	80.34	80.42	80.68	79.58	79.38	79.29	79.20	79.21	
21	79.30	79.49	79.59	79.69	80.50	80.66	80.34	79.57	79.38	79.28	79.19	79.21	
22	79.29	79.43	79.59	79.88	80.32	80.67	80.17	79.56	79.38	79.28	79.19	79.21	
23	79.27	79.47	79.58	79.78	80.10	80.29	80.08	79.55	79.37	79.27	79.18	79.21	
24	79.29	79.59	79.56	79.64	79.95	80.15	80.01	79.55	79.36	79.27	79.18	79.22	
25	79.47	79.54	79.53	79.58	79.85	80.10	79.95	79.55	79.35	79.26	79.19	79.22	
26	79.40	79.53	79.51	79.55	79.79	79.99	79.90	79.55	79.35	79.26	79.19	79.21	
27	79.39	79.63	79.49	79.51	79.79	79.92	79.86	79.55	79.34	79.26	79.19	79.21	
28	79.54	79.74	79.49	79.49	79.75	79.87	79.83	79.54	79.35	79.26	79.19	79.21	
29	79.42	79.57	79.48	79.70	79.72	80.38	79.80	79.54	79.34	79.25		79.20	
30	79.37	79.50	79.45	80.39	79.91	80.79	79.77	79.54	79.34	79.24		79.20	
31		79.50		79.99	80.25		79.75		79.33	79.24		79.20	
MEAN	79.34	79.49	79.84	79.69	79.81	80.60	80.31	79.61	79.42	79.29	79.20	79.24	
MAX	79.77	79.74	81.41	80.39	80.50	81.88	81.28	79.73	79.53	79.33	79.23	79.42	81.88
MIN	79.19	79.33	79.45	79.43	79.54	79.87	79.75	79.54	79.33	79.24	79.18	79.16	79.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 82.28 M (MSL), AT 5.00 HOURS, ON JUN 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 79.00 M (MSL), RIVER BED 78.58 M (MSL)
LEFT BANK ELEVATION 89.70 M (MSL)
RIGHT BANK ELEVATION 90.18 M (MSL), DRAINAGE AREA 2463 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	2.05	4.32	3.62	10.70	20.00	73.60	8.90	5.02	1.52	0.41	0.14	
2	0.24	1.87	3.98	3.27	8.00	35.40	85.90	8.60	5.02	1.52	0.41	0.12	
3	0.24	1.70	12.20	5.55	6.95	30.50	100.00	8.30	4.68	1.52	0.41	0.12	
4	0.24	1.52	24.00	4.85	6.25	45.00	43.80	8.00	4.50	1.52	0.32	0.11	
5	0.32	1.87	19.40	3.98	6.07	167.60	31.00	7.65	4.32	1.52	0.32	0.09	
6	0.24	3.10	11.90	3.45	6.07	97.00	29.50	7.48	4.15	1.52	0.32	0.11	
7	0.15	2.40	14.60	6.60	5.73	65.60	28.00	7.13	3.98	1.35	0.24	0.14	
8	0.14	2.05	66.40	5.90	5.38	123.00	32.50	6.95	3.98	1.35	0.24	0.74	
9	0.14	1.52	33.00	3.98	5.20	97.00	40.80	6.60	3.80	1.17	0.32	3.10	
10	0.14	9.20	20.30	4.15	6.95	114.00	44.40	6.77	3.62	1.17	0.32	2.75	
11	0.24	6.60	17.60	3.80	10.10	55.20	31.50	7.13	3.45	1.17	0.24	2.05	
12	0.74	5.02	115.00	4.32	7.13	37.80	22.70	6.95	3.62	1.17	0.24	1.70	
13	0.83	4.50	28.50	14.90	9.20	30.50	20.90	6.60	3.27	1.17	0.15	1.17	
14	7.83	4.32	17.00	12.50	9.80	30.50	18.50	6.43	3.10	1.00	0.15	0.91	
15	10.10	5.02	13.10	13.40	7.65	47.80	18.50	6.07	3.10	1.00	0.15	0.74	
16	6.77	5.20	9.80	14.30	8.00	43.20	17.30	6.07	2.93	1.00	0.15	0.66	
17	3.98	3.80	7.65	16.70	10.40	56.80	20.60	6.07	2.75	0.91	0.15	0.49	
18	2.75	5.38	6.77	19.10	10.70	47.80	56.80	5.90	2.75	0.91	0.15	0.41	
19	1.87	5.55	5.55	13.70	14.30	50.60	102.00	5.90	2.57	0.91	0.15	0.32	
20	1.52	6.43	5.90	9.80	30.00	34.20	50.60	5.90	2.40	0.91	0.15	0.24	
21	1.00	4.32	6.07	7.83	39.00	49.20	30.00	5.73	2.40	0.83	0.14	0.24	
22	0.91	3.27	6.07	13.40	29.00	49.90	22.10	5.55	2.40	0.83	0.14	0.24	
23	0.74	3.98	5.90	10.40	20.00	27.50	19.40	5.38	2.23	0.74	0.12	0.24	
24	0.91	6.07	5.55	6.95	15.50	21.50	17.30	5.38	2.05	0.74	0.12	0.32	
25	3.98	5.20	5.02	5.90	12.50	20.00	15.50	5.38	1.87	0.66	0.14	0.32	
26	2.75	5.02	4.68	5.38	10.70	16.70	14.00	5.38	1.87	0.66	0.14	0.24	
27	2.57	6.77	4.32	4.68	10.70	14.60	12.80	5.38	1.70	0.66	0.14	0.24	
28	5.20	9.20	4.32	4.32	9.50	13.10	11.90	5.20	1.87	0.66	0.14	0.24	
29	3.10	5.73	4.15	8.00	8.60	32.00	11.00	5.20	1.70	0.58		0.15	
30	2.23	4.50	3.62	32.50	14.30	59.20	10.10	5.20	1.70	0.49		0.15	
31		4.50		16.70	25.50		9.50		1.52	0.49		0.15	
TOTAL	62.28	137.66	486.67	283.93	379.88	1533.20	1042.50	193.18	94.32	31.65	6.07	18.64	4269.98 CMSDAY
MEAN	2.08	4.44	16.22	9.16	12.25	51.11	33.63	6.44	3.04	1.02	0.22	0.60	11.70 CMS
MAX	10.10	9.20	115.00	32.50	39.00	167.60	102.00	8.90	5.02	1.52	0.41	3.10	167.60 CMS
MIN	0.14	1.52	3.62	3.27	5.20	13.10	9.50	5.20	1.52	0.49	0.12	0.09	0.09 CMS
RUNOFF	5.381	11.894	42.048	24.532	32.822	132.468	90.072	16.691	8.149	2.735	0.524	1.610	368.926 MCM

MOMENTARY PEAK 221.20 CMS, AT 82.28 M (MSL), AT 5.00 HOURS, ON JUN 12, 1984

RUNOFF YIELD 4.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 89.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

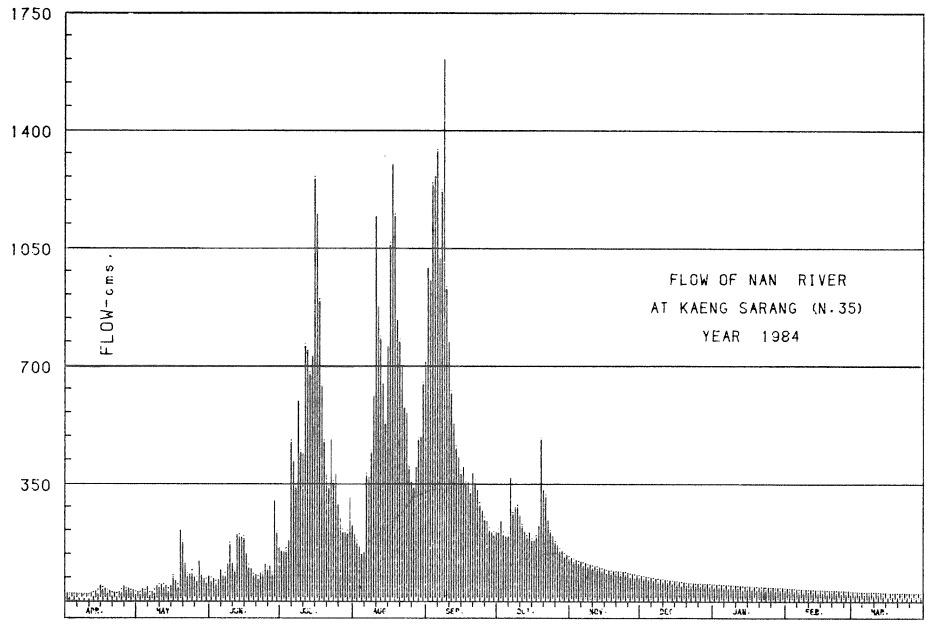
NAN RIVER AT KAENG SARANG, NAN (N.35)

LOCATION	LAT. 18-24-00 N., LONG. 100-51-05 E., ON LEFT BANK AT KAENG SARANG, BETWEEN DOI KHON KAEN AND DOI CHAM HANG, AMPHOE SA, NAN.
DRAINAGE AREA	10,335 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+12.354 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 102 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.84	1.24	1.85	2.10	5.53	2.21	1.64	1.27	1.06	0.94	0.85	
2	0.80	0.84	1.20	1.76	1.99	5.38	2.35	1.62	1.26	1.06	0.93	0.84	
3	0.80	0.93	1.16	1.84	1.86	6.26	2.15	1.60	1.25	1.06	0.93	0.84	
4	0.80	0.90	1.18	1.98	1.79	6.31	2.06	1.58	1.24	1.05	0.93	0.83	
5	0.79	0.99	1.47	3.59	1.75	6.54	2.13	1.57	1.23	1.05	0.92	0.83	
6	0.78	0.84	1.26	3.29	3.12	5.60	3.05	1.55	1.22	1.04	0.92	0.83	
7	0.78	0.84	1.34	2.95	3.06	6.20	2.50	1.54	1.21	1.04	0.91	0.83	
8	0.78	0.92	1.52	4.10	3.45	7.23	2.60	1.52	1.20	1.04	0.91	0.83	
9	0.78	1.01	1.95	3.45	4.16	5.32	2.63	1.51	1.19	1.03	0.91	0.83	
10	0.78	1.07	1.54	3.40	5.99	4.77	2.45	1.49	1.19	1.03	0.90	0.83	
11	0.81	1.06	1.43	4.76	5.12	4.23	2.29	1.48	1.18	1.02	0.90	0.83	
12	0.84	1.08	2.10	4.69	4.83	3.82	2.15	1.47	1.17	1.02	0.90	0.83	
13	0.85	1.02	2.11	4.45	4.31	3.51	2.08	1.45	1.16	1.01	0.89	0.82	
14	0.92	0.95	2.05	4.63	3.85	3.35	2.14	1.43	1.16	1.00	0.89	0.81	
15	1.03	1.02	2.07	6.31	4.73	3.16	2.02	1.42	1.15	1.00	0.89	0.81	
16	0.99	1.29	1.72	5.99	5.75	3.21	1.99	1.40	1.14	1.00	0.89	0.80	
17	0.94	1.15	1.51	5.20	6.41	2.99	2.09	1.39	1.13	1.00	0.89	0.80	
18	0.91	1.07	1.42	4.28	5.99	2.99	2.26	1.38	1.13	0.99	0.88	0.80	
19	0.87	2.18	1.32	3.59	4.99	2.87	3.63	1.37	1.12	0.99	0.88	0.80	
20	0.84	1.99	1.30	3.10	4.80	3.12	2.87	1.37	1.11	0.98	0.88	0.80	
21	0.82	1.53	1.27	2.93	4.53	3.02	2.80	1.37	1.11	0.98	0.88	0.80	
22	0.81	1.33	1.33	3.60	4.05	2.87	2.36	1.36	1.10	0.98	0.88	0.80	
23	0.83	1.31	1.34	3.01	3.96	2.67	2.18	1.36	1.10	0.97	0.87	0.80	
24	0.93	1.40	1.52	3.11	3.22	2.53	2.07	1.35	1.09	0.97	0.87	0.80	
25	1.01	1.24	1.47	2.69	2.99	2.42	1.97	1.34	1.09	0.97	0.87	0.80	
26	0.96	1.25	1.48	2.39	2.95	2.35	1.89	1.32	1.09	0.97	0.86	0.79	
27	0.94	1.58	1.35	2.20	3.21	2.23	1.83	1.31	1.08	0.97	0.86	0.79	
28	0.91	1.36	2.70	2.14	3.63	2.14	1.78	1.30	1.08	0.96	0.85	0.79	
29	0.89	1.21	2.17	2.18	3.64	2.16	1.73	1.29	1.08	0.96		0.79	
30	0.86	1.21	1.84	2.75	4.33	2.14	1.70	1.29	1.07	0.96		0.79	
31		1.26		2.31	4.57		1.67		1.07	0.95		0.79	
MEAN	0.86	1.18	1.58	3.37	3.91	3.90	2.25	1.44	1.15	1.00	0.89	0.81	
MAX	1.03	2.18	2.70	6.31	6.41	7.23	3.63	1.64	1.27	1.06	0.94	0.85	7.23
MIN	0.78	0.84	1.16	1.76	1.75	2.14	1.67	1.29	1.07	0.95	0.85	0.79	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.42 M (A.D), AT 1.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.43 M (A.D)
LEFT BANK ELEVATION 13.21 M (A.D)
RIGHT BANK ELEVATION 14.62 M (A.D), DRAINAGE AREA 10335 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	25.0	29.0	73.2	161.5	199.0	999.0	217.0	130.0	77.1	51.0	39.0	30.0	
2	25.0	29.0	68.0	148.0	182.5	954.0	239.8	127.0	75.8	51.0	38.0	29.0	
3	25.0	38.0	62.8	160.0	163.0	1246.0	207.2	124.0	74.5	51.0	38.0	29.0	
4	25.0	35.0	65.4	181.0	152.5	1263.5	193.0	121.0	73.2	50.0	38.0	28.0	
5	24.0	44.0	104.8	479.9	146.5	1344.0	203.9	119.5	71.9	50.0	37.0	28.0	
6	23.0	29.0	75.8	416.9	382.0	1020.0	368.0	116.5	70.6	49.0	37.0	28.0	
7	23.0	29.0	86.6	348.0	370.0	1225.0	265.0	115.0	69.3	49.0	36.0	28.0	
8	23.0	37.0	112.0	595.0	450.5	1612.0	282.0	112.0	68.0	49.0	36.0	28.0	
9	23.0	46.0	176.5	450.5	610.0	936.0	287.4	110.5	66.7	48.0	36.0	28.0	
10	23.0	52.0	115.0	440.0	1151.5	771.0	256.5	107.6	66.7	48.0	35.0	28.0	
11	26.0	51.0	99.2	768.0	876.0	627.5	230.0	106.2	65.4	47.0	35.0	28.0	
12	29.0	53.0	199.0	747.0	789.0	529.4	207.2	104.8	64.1	47.0	35.0	28.0	
13	30.0	47.0	200.6	682.5	647.5	463.1	196.0	102.0	62.8	46.0	34.0	27.0	
14	37.0	40.0	191.5	729.0	536.0	429.5	205.5	99.2	62.8	45.0	34.0	26.0	
15	48.0	47.0	194.5	1263.5	759.0	390.0	187.0	97.8	61.5	45.0	34.0	26.0	
16	44.0	79.7	142.0	1151.5	1067.5	400.1	182.5	95.0	60.2	45.0	34.0	25.0	
17	39.0	61.5	110.5	900.0	1298.5	356.0	197.5	93.6	58.9	45.0	34.0	25.0	
18	36.0	52.0	97.8	640.0	1151.5	356.0	225.1	92.2	58.9	44.0	33.0	25.0	
19	32.0	212.1	83.8	479.9	837.0	332.0	488.3	90.8	57.6	44.0	33.0	25.0	
20	29.0	182.5	81.0	378.0	780.0	382.0	332.0	90.8	56.3	43.0	33.0	25.0	
21	27.0	113.5	77.1	344.0	702.5	362.0	318.0	90.8	56.3	43.0	33.0	25.0	
22	26.0	85.2	85.2	482.0	582.5	332.0	241.5	89.4	55.0	43.0	33.0	25.0	
23	28.0	82.4	86.6	360.0	560.8	294.6	212.1	89.4	55.0	42.0	32.0	25.0	
24	38.0	95.0	112.0	380.0	402.2	270.1	194.5	88.0	54.0	42.0	32.0	25.0	
25	46.0	73.2	104.8	298.2	356.0	251.4	179.5	86.6	54.0	42.0	32.0	25.0	
26	41.0	74.5	106.2	246.4	348.0	239.8	167.5	83.8	54.0	42.0	31.0	24.0	
27	39.0	121.0	88.0	215.3	400.1	220.2	158.5	82.4	53.0	42.0	31.0	24.0	
28	36.0	89.4	300.0	205.5	488.3	205.5	151.0	81.0	53.0	41.0	30.0	24.0	
29	34.0	69.3	210.4	212.1	490.4	208.8	143.5	79.7	53.0	41.0		24.0	
30	31.0	69.3	160.0	309.0	652.5	205.5	139.0	79.7	52.0	41.0		24.0	
31		75.8		233.3	712.5		134.5		52.0	40.0		24.0	
TOTAL	935.0	2142.4	3670.3	14406.0	18245.3	18226.0	7010.5	3006.3	1913.6	1406.0	963.0	813.0	72737.4 CMSDAY
MEAN	31.2	69.1	122.3	464.7	588.6	607.5	226.1	100.2	61.7	45.4	34.4	26.2	199.3 CMS
MAX	48.0	212.1	300.0	1263.5	1298.5	1612.0	488.3	130.0	77.1	51.0	39.0	30.0	1612.0 CMS
MIN	23.0	29.0	62.8	148.0	146.5	205.5	134.5	79.7	52.0	40.0	30.0	24.0	23.0 CMS
RUNOFF	80.78	185.10	317.11	1244.68	1576.39	1574.73	605.71	259.74	165.34	121.48	83.20	70.24	6284.51 MCM

MOMENTARY PEAK 1688.00 CMS, AT 7.42 M (A.D), AT 1.00 HOURS, ON SEP 8, 1984

RUNOFF YIELD 19.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 163.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

KHWAE NOI RIVER AT BAN NONG KRATHAO, PHITSANULOK (N.36)

LOCATION — LAT. 17-04-59 N., LONG. 100-49-55 E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE ALONG LOM SAK-NAKHON THAI ROAD, TAMBON NONG KRATHAO, AMPHOE NAKHON THAI, PHITSANULOK.

DRAINAGE AREA — 1,651 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK ALONG THE MEASURING LINE.

ELEVATION — +6.154 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971-1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1971-1979

STABILITY OF CHANNEL REGIMES — STABLE.

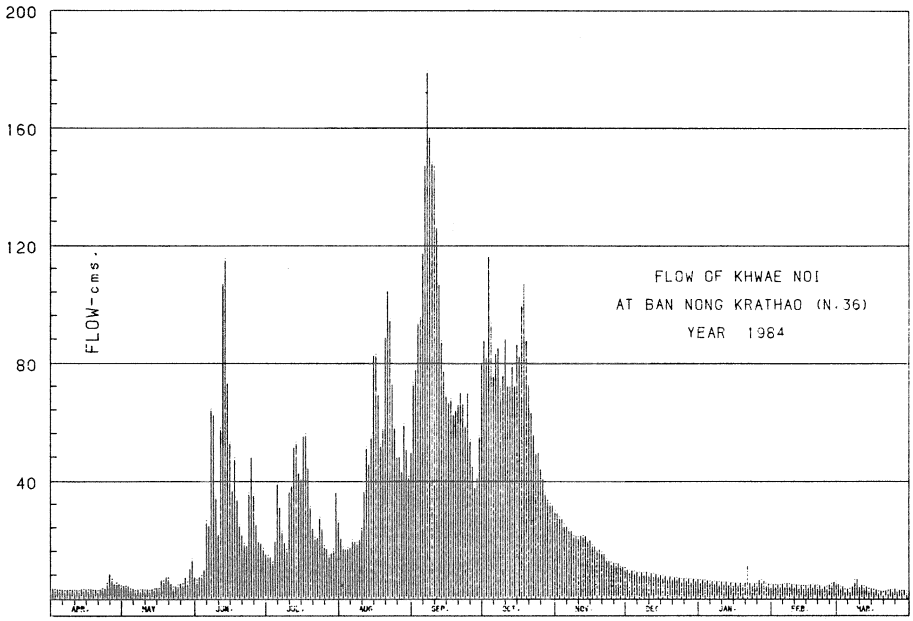
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +7.00 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1,106 DISCHARGE MEASUREMENTS MADE DURING 1973-1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	0.95	1.20	1.91	2.29	5.20	5.85	2.85	1.50	1.20	1.03	1.02	
2	0.83	0.97	1.28	1.84	2.11	5.39	5.57	2.77	1.49	1.20	1.02	0.95	
3	0.81	0.92	1.34	1.72	2.04	6.09	6.74	2.72	1.47	1.20	1.01	0.92	
4	0.80	0.86	1.48	2.23	2.10	6.16	6.10	2.62	1.46	1.17	1.02	0.85	
5	0.79	0.82	2.69	3.47	2.08	6.76	5.33	2.56	1.44	1.16	1.04	0.82	
6	0.78	0.78	2.57	2.96	2.28	7.09	5.63	2.51	1.43	1.15	1.06	0.86	
7	0.78	0.79	4.77	2.47	2.22	7.22	5.74	2.47	1.42	1.15	1.07	0.92	
8	0.79	0.81	4.66	2.20	2.22	7.14	5.15	2.37	1.43	1.15	1.06	1.21	
9	0.79	0.81	3.19	2.05	2.27	7.10	5.34	2.36	1.45	1.14	1.03	1.22	
10	0.79	0.80	2.38	3.27	2.53	7.09	5.84	2.34	1.42	1.13	1.02	1.00	
11	0.78	0.80	4.45	3.43	3.27	6.89	5.17	2.36	1.40	1.12	1.01	0.99	
12	0.78	0.78	6.52	4.10	4.12	6.51	5.13	2.37	1.40	1.12	1.00	0.97	
13	0.81	0.81	6.72	4.20	3.80	5.82	5.47	2.35	1.38	1.12	0.99	0.93	
14	0.83	0.85	5.18	3.63	4.31	5.37	5.13	2.28	1.36	1.11	0.98	0.86	
15	0.80	0.86	4.21	3.51	5.61	5.00	5.79	2.26	1.35	1.10	0.99	0.84	
16	0.81	0.87	3.29	4.30	5.63	4.86	5.59	2.16	1.34	1.09	0.99	0.82	
17	0.82	1.17	3.92	4.35	4.99	4.94	6.31	2.11	1.32	1.08	1.01	0.79	
18	0.80	1.17	3.10	3.72	4.16	4.66	6.52	2.07	1.31	1.08	1.04	0.75	
19	0.79	1.28	2.61	2.99	4.44	4.77	5.85	2.04	1.31	1.08	1.01	0.74	
20	0.77	1.27	2.37	2.51	5.89	4.83	5.16	1.99	1.30	1.08	1.00	0.73	
21	0.79	1.04	2.20	2.33	6.45	5.06	4.74	1.93	1.29	1.07	0.98	0.75	
22	0.86	0.93	2.12	2.31	6.13	4.84	4.32	1.81	1.28	1.07	0.95	0.78	
23	0.83	0.92	3.26	2.77	5.16	4.51	4.02	1.75	1.26	1.06	0.93	0.80	
24	1.09	1.02	3.92	2.50	4.48	5.02	4.01	1.71	1.24	1.06	0.95	0.81	
25	1.37	1.05	3.24	2.14	3.92	4.25	3.75	1.69	1.25	1.06	1.01	0.82	
26	1.23	1.07	2.59	2.05	3.99	3.76	3.53	1.66	1.25	1.19	1.07	0.82	
27	1.02	1.26	2.27	1.91	3.65	3.41	3.26	1.68	1.24	1.20	1.11	0.78	
28	1.09	1.14	2.18	1.94	4.52	3.55	3.12	1.67	1.23	1.16	1.15	0.78	
29	1.02	1.51	2.08	2.06	4.06	4.32	3.05	1.58	1.23	1.07		0.77	
30	0.98	1.82	1.92	3.26	3.58	5.50	3.01	1.56	1.22	1.05		0.75	
31		1.27		2.70	4.01		2.91		1.22	1.04		0.75	
MEAN	0.88	1.01	3.12	2.80	3.82	5.44	4.94	2.15	1.34	1.12	1.02	0.86	
MAX	1.37	1.82	6.72	4.35	6.45	7.22	6.74	2.85	1.50	1.20	1.15	1.22	7.22
MIN	0.77	0.78	1.20	1.72	2.04	3.41	2.91	1.56	1.22	1.04	0.93	0.73	0.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.25 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 8.14 M (A.D)
RIGHT BANK ELEVATION 6.99 M (A.D), DRAINAGE AREA 1651 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.52	4.40	6.60	14.94	20.35	73.60	88.40	29.20	10.00	6.60	5.04	4.96	
2	3.44	4.56	7.40	14.08	17.74	77.68	81.71	27.92	9.88	6.60	4.96	4.40	
3	3.28	4.16	8.08	12.64	16.76	94.16	116.84	27.12	9.64	6.60	4.88	4.16	
4	3.20	3.68	9.76	19.45	17.60	95.90	94.40	25.52	9.52	6.30	4.96	3.60	
5	3.12	3.36	26.64	39.76	17.32	117.96	76.36	24.56	9.28	6.20	5.12	3.36	
6	3.04	3.04	24.72	31.02	20.20	147.08	83.12	23.76	9.16	6.10	5.28	3.68	
7	3.04	3.12	64.57	23.12	19.30	179.52	85.76	23.12	9.04	6.10	5.36	4.16	
8	3.12	3.28	62.30	19.00	19.30	156.80	72.55	21.55	9.16	6.10	5.28	6.70	
9	3.12	3.28	34.93	16.90	20.05	148.40	76.58	21.40	9.40	6.00	5.04	6.80	
10	3.12	3.20	21.70	36.29	24.08	147.08	88.16	21.10	9.04	5.90	4.96	4.80	
11	3.04	3.20	58.10	39.04	36.29	126.68	72.97	21.40	8.80	5.80	4.88	4.72	
12	3.04	3.04	106.96	51.40	51.78	106.58	72.13	21.55	8.80	5.80	4.80	4.56	
13	3.28	3.28	115.72	53.30	45.70	87.68	79.44	21.25	8.56	5.80	4.72	4.24	
14	3.44	3.60	73.18	42.64	55.39	77.24	72.13	20.20	8.32	5.70	4.64	3.68	
15	3.20	3.68	53.49	40.48	82.64	69.40	86.96	19.90	8.20	5.60	4.72	3.52	
16	3.28	3.76	36.63	55.20	83.12	66.46	82.17	18.44	8.08	5.52	4.72	3.36	
17	3.36	6.30	47.98	56.15	69.19	68.14	100.10	17.74	7.84	5.44	4.88	3.12	
18	3.20	6.30	33.40	44.26	52.54	62.30	106.96	17.18	7.72	5.44	5.12	2.80	
19	3.12	7.40	25.36	31.53	57.90	64.57	88.40	16.76	7.72	5.44	4.88	2.72	
20	2.96	7.30	21.55	23.76	89.36	65.83	72.76	16.06	7.60	5.44	4.80	2.64	
21	3.12	5.12	19.00	20.95	104.50	70.66	63.94	15.22	7.50	5.36	4.64	2.80	
22	3.68	4.24	17.88	20.65	95.15	66.04	55.58	13.72	7.40	5.36	4.40	3.04	
23	3.44	4.16	36.12	27.92	72.76	59.30	49.88	13.00	7.20	5.28	4.24	3.20	
24	5.52	4.96	47.98	23.60	58.70	69.82	49.69	12.52	7.00	5.28	4.40	3.28	
25	8.44	5.20	35.78	18.16	47.98	54.25	44.80	12.28	7.10	5.28	4.88	3.36	
26	6.90	5.36	25.04	16.90	49.31	44.98	40.84	11.92	7.10	6.50	5.36	3.36	
27	4.96	7.20	20.05	14.94	43.00	38.68	36.12	12.16	7.00	6.60	5.70	3.04	
28	5.52	6.00	18.72	15.36	59.50	41.20	33.74	12.04	6.90	6.20	6.10	3.04	
29	4.96	10.12	17.32	17.04	50.64	55.58	32.55	10.96	6.90	5.36		2.96	
30	4.64	13.84	15.08	36.12	41.74	80.10	31.87	10.72	6.80	5.20		2.80	
31		7.30		26.80	49.69		30.17		6.80	5.12		2.80	
TOTAL	115.10	157.44	1092.04	903.40	1489.58	2613.67	2167.08	560.27	253.46	180.02	138.76	115.66	9786.48 CMSDAY
MEAN	3.84	5.08	36.40	29.14	48.05	87.12	69.91	18.68	8.18	5.81	4.96	3.73	26.81 CMS
MAX	8.44	13.84	115.72	56.15	104.50	179.52	116.84	29.20	10.00	6.60	6.10	6.80	179.52 CMS
MIN	2.96	3.04	6.60	12.64	16.76	38.68	30.17	10.72	6.80	5.12	4.24	2.64	2.64 CMS
RUNOFF	9.945	13.603	94.352	78.054	128.700	225.821	187.236	48.407	21.899	15.554	11.989	9.993	845.552 MCM

MOMENTARY PEAK 194.70 CMS, AT 7.25 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 16.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 117.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

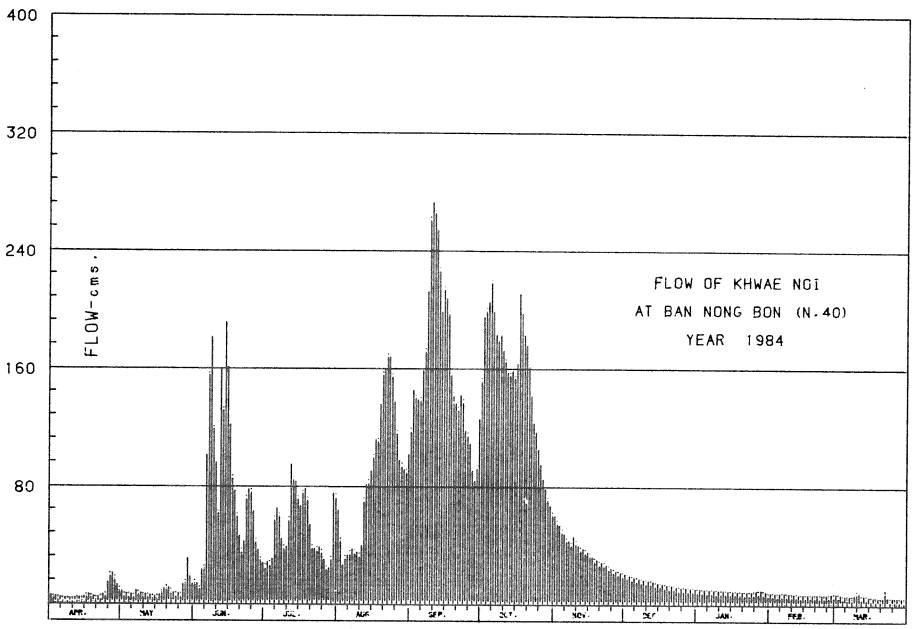
KHWAE NOI RIVER AT BAN NONG BON, PHITSANULOK (N.40)

LOCATION	LAT. 17-13-14 N., LONG. 100-21-10 E., ON LEFT BANK ABOUT 2 KILOMETERS UPSTREAM FROM BAN NONG BON, AMPHOE WAT BOT, PHITSANULOK.
DRAINAGE AREA	4,340 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ABOUT 4 METERS SOUTH OF THE GAGE SITE, B.M.2 ABOUT 90 METERS SOUTH OF THE GAGE SITE.
ELEVATION	B.M.1=+14.45 M. (A.D.), B.M.2=+14.40 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 - 1968, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.84	1.14	1.51	2.52	3.79	4.47	2.44	1.31	0.95	0.82	0.79	
2	0.69	0.78	1.08	1.57	2.07	4.31	5.20	2.36	1.29	0.95	0.82	0.78	
3	0.67	0.77	1.00	1.58	1.50	4.24	5.30	2.29	1.27	0.94	0.81	0.76	
4	0.66	0.76	1.39	1.64	1.70	4.18	5.37	2.22	1.25	0.94	0.80	0.73	
5	0.64	0.74	1.47	2.41	1.72	4.21	5.62	2.15	1.23	0.93	0.81	0.72	
6	0.62	0.72	3.40	2.55	1.81	4.58	5.26	2.08	1.22	0.93	0.82	0.72	
7	0.61	0.87	4.54	2.46	1.86	4.84	5.03	2.04	1.20	0.92	0.82	0.71	
8	0.61	0.84	4.97	2.06	1.84	5.49	4.93	2.01	1.19	0.91	0.81	0.71	
9	0.60	0.78	3.81	1.93	1.79	6.33	5.02	2.11	1.18	0.91	0.80	0.75	
10	0.60	0.76	3.28	1.91	1.76	6.50	4.82	2.04	1.17	0.90	0.79	0.88	
11	0.62	0.74	2.51	2.40	1.94	6.41	4.72	1.95	1.16	0.90	0.78	0.81	
12	0.64	0.73	4.59	3.25	2.71	6.18	4.55	1.91	1.15	0.90	0.78	0.73	
13	0.63	0.71	4.07	3.04	2.93	5.76	4.54	1.88	1.14	0.89	0.76	0.73	
14	0.62	0.69	5.14	2.98	3.00	5.26	4.57	1.85	1.11	0.88	0.75	0.72	
15	0.66	0.67	4.62	2.74	3.15	5.54	4.50	1.80	1.10	0.88	0.77	0.69	
16	0.73	0.71	3.84	2.59	3.40	5.41	4.67	1.78	1.09	0.87	0.76	0.68	
17	0.75	0.72	3.07	2.82	3.64	5.27	5.49	1.70	1.08	0.87	0.76	0.67	
18	0.72	0.85	2.83	2.87	3.65	4.51	5.24	1.66	1.07	0.86	0.76	0.66	
19	0.68	0.93	2.46	2.72	4.12	4.28	5.03	1.63	1.06	0.86	0.76	0.65	
20	0.65	1.02	2.11	2.29	4.55	4.13	4.88	1.59	1.05	0.86	0.76	0.65	
21	0.65	0.97	1.85	1.94	4.59	4.08	4.62	1.57	1.05	0.85	0.77	0.65	
22	0.69	0.91	2.02	1.87	4.78	4.24	4.23	1.56	1.04	0.85	0.76	0.92	
23	0.73	0.79	2.74	1.90	4.75	4.18	3.90	1.51	1.02	0.85	0.75	0.67	
24	0.78	0.79	2.85	1.90	4.53	3.76	3.74	1.48	1.01	0.85	0.75	0.65	
25	1.10	0.77	2.85	1.84	4.15	3.73	3.54	1.44	1.00	0.87	0.75	0.65	
26	1.31	0.77	2.50	1.62	3.76	3.58	3.25	1.41	0.99	0.89	0.77	0.65	
27	1.31	1.06	2.06	1.47	3.32	3.20	3.07	1.37	0.99	0.90	0.78	0.65	
28	1.24	1.14	1.84	1.43	3.27	2.99	2.87	1.36	0.98	0.91	0.79	0.65	
29	1.04	1.64	1.66	1.68	3.17	3.23	2.72	1.34	0.97	0.88		0.64	
30	0.97	1.30	1.54	2.79	3.17	3.92	2.60	1.33	0.97	0.86		0.63	
31		1.06		2.77	3.41		2.49		0.96	0.83		0.62	
MEAN	0.76	0.87	2.77	2.21	3.05	4.60	4.39	1.80	1.11	0.89	0.78	0.71	
MAX	1.31	1.64	5.14	3.25	4.78	6.50	5.62	2.44	1.31	0.95	0.82	0.92	6.50
MIN	0.60	0.67	1.00	1.43	1.50	2.99	2.49	1.33	0.96	0.83	0.75	0.62	0.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.53 M (A.D), AT 6.00 HOURS, ON SEP 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.39 M (A.D)
LEFT BANK ELEVATION 14.46 M (A.D)
RIGHT BANK ELEVATION 14.70 M (A.D), DRAINAGE AREA 4340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.00	8.80	16.20	27.30	64.10	119.50	153.50	60.70	21.30	11.00	8.40	7.80	
2	5.80	7.60	14.40	29.10	44.97	145.50	195.00	57.30	20.70	11.00	8.40	7.60	
3	5.40	7.40	12.00	29.40	27.00	142.00	201.00	54.33	20.10	10.80	8.20	7.20	
4	5.20	7.20	23.70	31.20	33.00	139.00	205.20	51.35	19.50	10.80	8.00	6.60	
5	4.80	6.80	26.10	59.43	33.60	140.50	220.20	48.38	18.90	10.60	8.20	6.40	
6	4.40	6.40	101.50	65.37	36.30	159.00	198.60	45.40	18.60	10.60	8.40	6.40	
7	4.20	9.40	157.00	61.55	37.80	173.40	184.80	43.70	18.00	10.40	8.40	6.20	
8	4.20	8.80	181.20	44.55	37.20	212.40	178.80	42.43	17.70	10.20	8.20	6.20	
9	4.00	7.60	120.50	39.90	35.70	262.80	184.20	46.67	17.40	10.20	8.00	7.00	
10	4.00	7.20	96.40	39.30	34.80	273.00	172.20	43.70	17.10	10.00	7.80	9.60	
11	4.40	6.80	63.68	59.00	40.20	267.60	166.20	40.50	16.80	10.00	7.60	8.20	
12	4.80	6.60	159.50	95.13	72.18	253.80	157.50	39.30	16.50	10.00	7.60	6.60	
13	4.60	6.20	133.50	86.20	81.53	228.60	157.00	38.40	16.20	9.80	7.20	6.60	
14	4.40	5.80	191.40	83.65	84.50	198.60	158.50	37.50	15.30	9.60	7.00	6.40	
15	5.20	5.40	161.00	73.45	90.88	215.40	155.00	36.00	15.00	9.60	7.40	5.80	
16	6.60	6.20	122.00	67.07	101.50	207.60	163.50	35.40	14.70	9.40	7.20	5.60	
17	7.00	6.40	87.48	76.85	112.00	199.20	212.40	33.00	14.40	9.40	7.20	5.40	
18	6.40	9.00	77.27	78.97	112.50	155.50	197.40	31.80	14.10	9.20	7.20	5.20	
19	5.60	10.60	61.55	72.60	136.00	144.00	184.80	30.90	13.80	9.20	7.20	5.00	
20	5.00	12.60	46.67	54.33	157.50	136.50	175.80	29.70	13.50	9.20	7.20	5.00	
21	5.00	11.40	37.50	40.20	159.50	134.00	161.00	29.10	13.50	9.00	7.40	5.00	
22	5.80	10.20	42.85	38.10	169.80	142.00	141.50	28.80	13.20	9.00	7.20	10.40	
23	6.60	7.80	73.45	39.00	168.00	139.00	125.00	27.30	12.60	9.00	7.00	5.40	
24	7.60	7.80	78.12	39.00	156.50	118.00	117.00	26.40	12.30	9.00	7.00	5.00	
25	15.00	7.40	78.12	37.20	137.50	116.50	107.45	25.20	12.00	9.40	7.00	5.00	
26	21.30	7.40	63.25	30.60	118.00	109.15	95.13	24.30	11.80	9.80	7.40	5.00	
27	21.30	13.80	44.55	26.10	98.10	93.00	87.48	23.10	11.80	10.00	7.60	5.00	
28	19.20	16.20	37.20	24.90	95.98	84.08	78.97	22.80	11.60	10.20	7.80	5.00	
29	13.20	31.20	31.80	32.40	91.73	94.28	72.60	22.20	11.40	9.60		4.80	
30	11.40	21.00	28.20	75.58	91.73	126.00	67.50	21.90	11.40	9.20		4.60	
31		13.80		74.73	101.93		62.83		11.20	8.60		4.40	
TOTAL	228.40	300.80	2368.09	1632.16	2762.03	4929.91	4738.06	1097.56	472.40	303.80	213.20	190.40	19236.81 CMSDAY
MEAN	7.61	9.70	78.94	52.65	89.10	164.33	152.84	36.59	15.24	9.80	7.61	6.14	52.70 CMS
MAX	21.30	31.20	191.40	95.13	169.80	273.00	220.20	60.70	21.30	11.00	8.40	10.40	273.00 CMS
MIN	4.00	5.40	12.00	24.90	27.00	84.08	62.83	21.90	11.20	8.60	7.00	4.40	4.00 CMS
RUNOFF	19.734	25.989	204.603	141.019	238.639	425.944	409.368	94.829	40.815	26.248	18.420	16.451	1662.061 MCM

MOMENTARY PEAK 274.80 CMS, AT 6.53 M (A.D), AT 6.00 HOURS, ON SEP 9, 1984

RUNOFF YIELD 12.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 63.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

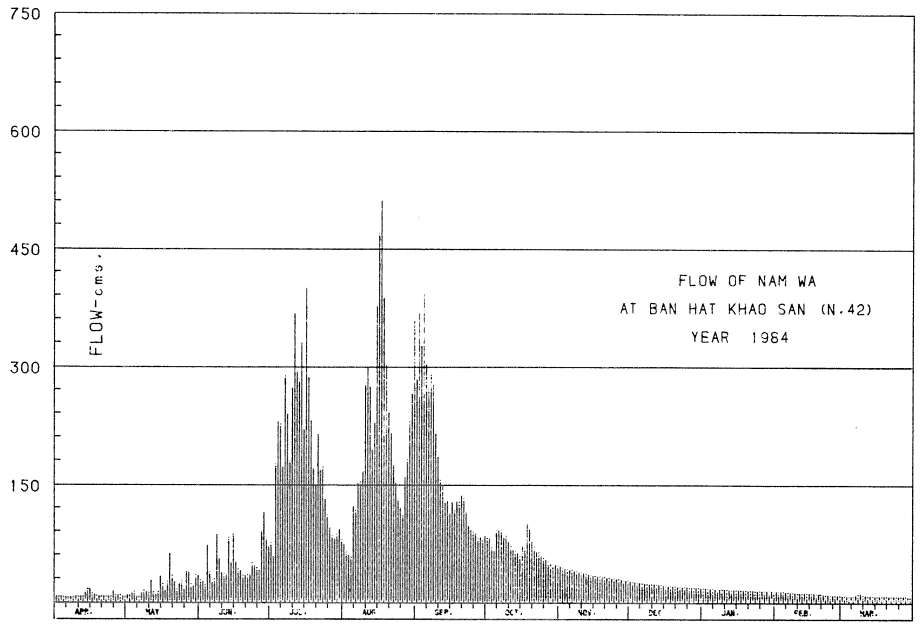
NAM WA AT BAN HAT KHAO SAN, NAN (N.42)

LOCATION	LAT. 18-34-08 N., LONG. 100-52-28 E., ON RIGHT BANK AT BAN HAT KHAO SAN, TAMBON LAI NAN, AMPHOE SA, NAN.
DRAINAGE AREA	2,107 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	TOP OF THE GAGE SITE.
ELEVATION	+11.892 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 122 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.53	1.55	1.81	2.32	2.30	4.01	2.38	2.00	1.79	1.69	1.63	1.54	
2	1.53	1.55	1.79	2.14	2.20	4.49	2.38	1.98	1.78	1.69	1.63	1.54	
3	1.53	1.59	1.74	3.21	2.16	4.28	2.26	1.97	1.78	1.68	1.63	1.53	
4	1.52	1.63	2.29	3.62	2.13	4.62	2.22	1.96	1.77	1.68	1.63	1.53	
5	1.51	1.52	1.92	3.60	2.76	4.13	2.48	1.95	1.77	1.68	1.62	1.53	
6	1.51	1.52	1.77	3.18	2.71	3.92	2.48	1.95	1.76	1.67	1.62	1.54	
7	1.51	1.59	1.82	4.02	3.02	4.05	2.49	1.94	1.76	1.67	1.61	1.55	
8	1.51	1.65	2.43	3.69	3.03	3.95	2.39	1.93	1.75	1.67	1.61	1.58	
9	1.53	1.62	2.14	3.24	3.14	3.53	2.41	1.92	1.75	1.67	1.61	1.59	
10	1.53	1.61	1.91	3.92	3.96	3.28	2.33	1.92	1.75	1.67	1.60	1.56	
11	1.53	1.80	1.89	4.50	4.09	3.05	2.28	1.91	1.75	1.67	1.60	1.55	
12	1.53	1.62	1.88	4.05	3.95	3.00	2.23	1.90	1.74	1.66	1.60	1.54	
13	1.60	1.56	2.39	3.99	3.35	2.83	2.21	1.89	1.74	1.66	1.60	1.54	
14	1.68	1.63	2.05	4.28	3.63	2.82	2.19	1.88	1.74	1.66	1.60	1.54	
15	1.68	1.86	2.43	3.57	4.54	2.70	2.14	1.87	1.73	1.66	1.60	1.53	
16	1.60	1.75	2.06	4.66	4.99	2.81	2.28	1.87	1.72	1.66	1.60	1.53	
17	1.57	1.64	1.96	4.03	5.17	2.71	2.26	1.86	1.72	1.65	1.59	1.53	
18	1.55	1.79	1.94	3.63	4.61	2.82	2.56	1.86	1.72	1.65	1.58	1.53	
19	1.53	2.18	1.87	3.19	4.11	2.81	2.52	1.85	1.72	1.65	1.58	1.54	
20	1.53	1.87	1.87	2.99	3.73	2.89	2.34	1.85	1.72	1.65	1.58	1.53	
21	1.53	1.78	1.88	3.52	3.51	2.85	2.27	1.84	1.71	1.65	1.57	1.53	
22	1.53	1.67	1.88	3.15	3.22	2.69	2.21	1.84	1.71	1.65	1.56	1.53	
23	1.53	1.75	2.05	3.18	3.02	2.56	2.20	1.83	1.71	1.64	1.56	1.53	
24	1.53	1.80	2.01	2.84	2.85	2.49	2.15	1.83	1.71	1.64	1.55	1.53	
25	1.63	1.66	1.98	2.66	2.74	2.46	2.12	1.82	1.71	1.64	1.55	1.53	
26	1.56	1.96	1.95	2.51	2.65	2.44	2.10	1.82	1.70	1.64	1.55	1.53	
27	1.55	1.92	2.49	2.41	3.08	2.37	2.07	1.81	1.70	1.64	1.55	1.53	
28	1.56	1.75	2.69	2.37	3.25	2.39	2.04	1.80	1.70	1.64	1.55	1.53	
29	1.53	1.72	2.39	2.43	3.63	2.35	2.03	1.80	1.70	1.64		1.52	
30	1.52	1.88	2.27	2.49	3.89	2.41	2.02	1.80	1.70	1.64		1.51	
31		1.87		2.36	4.44		2.01		1.69	1.63		1.50	
MEAN	1.55	1.72	2.05	3.28	3.41	3.12	2.26	1.88	1.73	1.66	1.59	1.54	
MAX	1.68	2.18	2.69	4.66	5.17	4.62	2.56	2.00	1.79	1.69	1.63	1.59	5.17
MIN	1.51	1.52	1.74	2.14	2.13	2.35	2.01	1.80	1.69	1.63	1.55	1.50	1.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.30 M (A.D), AT 9.00 HOURS, ON AUG 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.06 M (A.D)
LEFT BANK ELEVATION 12.43 M (A.D)
RIGHT BANK ELEVATION 11.15 M (A.D), DRAINAGE AREA 2107 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.80	9.00	28.90	76.00	74.00	286.60	82.00	46.00	27.10	18.30	14.10	8.40	
2	7.80	9.00	27.10	58.60	64.00	368.10	82.00	44.20	26.20	18.30	14.10	8.40	
3	7.80	11.40	22.60	176.30	60.40	330.60	70.00	43.30	26.20	17.60	14.10	7.80	
4	7.20	14.10	73.00	229.80	57.70	392.80	66.00	42.40	25.30	17.60	14.10	7.80	
5	6.60	7.20	38.80	227.00	122.60	305.80	92.00	41.50	25.30	17.60	13.40	7.80	
6	6.60	7.20	25.30	172.40	117.10	273.00	92.00	41.50	24.40	16.90	13.40	8.40	
7	6.60	11.40	29.80	288.20	152.40	293.00	93.00	40.60	24.40	16.90	12.70	9.00	
8	6.60	15.50	87.00	239.60	153.60	277.50	83.00	39.70	23.50	16.90	12.70	10.80	
9	7.80	13.40	58.60	180.20	167.20	217.90	85.00	38.80	23.50	16.90	12.70	11.40	
10	7.80	12.70	37.90	273.00	279.00	185.40	77.00	38.80	23.50	16.90	12.00	9.60	
11	7.80	28.00	36.10	370.00	299.40	156.00	72.00	37.90	23.50	16.90	12.00	9.00	
12	7.80	13.40	35.20	293.00	277.50	150.00	67.00	37.00	22.60	16.20	12.00	8.40	
13	12.00	9.60	83.00	283.50	194.50	130.30	65.00	36.10	22.60	16.20	12.00	8.40	
14	17.60	14.10	50.50	330.60	231.20	129.20	63.10	35.20	22.60	16.20	12.00	8.40	
15	17.60	33.40	87.00	223.10	377.60	116.00	58.60	34.30	21.70	16.20	12.00	7.80	
16	12.00	23.50	51.40	400.40	469.80	128.10	72.00	34.30	20.80	16.20	12.00	7.80	
17	10.20	14.80	42.40	289.80	511.10	117.10	70.00	33.40	20.80	15.50	11.40	7.80	
18	9.00	27.10	40.60	231.20	390.90	129.20	100.60	33.40	20.80	15.50	10.80	7.80	
19	7.80	62.20	34.30	173.70	302.60	128.10	96.20	32.50	20.80	15.50	10.80	8.40	
20	7.80	34.30	34.30	148.80	245.20	136.90	78.00	32.50	20.80	15.50	10.80	7.80	
21	7.80	26.20	35.20	216.60	215.30	132.50	71.00	31.60	19.90	15.50	10.20	7.80	
22	7.80	16.90	35.20	168.50	177.60	114.90	65.00	31.60	19.90	15.50	9.60	7.80	
23	7.80	23.50	50.50	172.40	152.40	100.60	64.00	30.70	19.90	14.80	9.60	7.80	
24	7.80	28.00	46.90	131.40	132.50	93.00	59.50	30.70	19.90	14.80	9.00	7.80	
25	14.10	16.20	44.20	111.60	120.40	90.00	56.80	29.80	19.90	14.80	9.00	7.80	
26	9.60	42.40	41.50	95.10	110.50	88.00	55.00	29.80	19.00	14.80	9.00	7.80	
27	9.00	38.80	93.00	85.00	159.60	81.00	52.30	28.90	19.00	14.80	9.00	7.80	
28	9.60	23.50	114.90	81.00	181.50	83.00	49.60	28.00	19.00	14.80	9.00	7.80	
29	7.80	20.80	83.00	87.00	231.20	79.00	48.70	28.00	19.00	14.80		7.20	
30	7.20	35.20	71.00	93.00	268.50	85.00	47.80	28.00	19.00	14.80		6.60	
31		34.30		80.00	358.60		46.90		18.30	14.10		6.00	
TOTAL	270.70	677.10	1539.20	5986.80	6655.90	5198.60	2181.10	1060.50	679.20	497.30	323.50	253.20	25323.10 CMSDAY
MEAN	9.02	21.84	51.31	193.12	214.71	173.29	70.36	35.35	21.91	16.04	11.55	8.17	69.38 CMS
MAX	17.60	62.20	114.90	400.40	511.10	392.80	100.60	46.00	27.10	18.30	14.10	11.40	511.10 CMS
MIN	6.60	7.20	22.60	58.60	57.70	79.00	46.90	28.00	18.30	14.10	9.00	6.00	6.00 CMS
RUNOFF	23.388	58.501	132.987	517.260	575.070	449.159	188.447	91.627	58.683	42.967	27.950	21.876	2187.916 MCM

MOMENTARY PEAK 544.00 CMS, AT 5.30 M (A.D), AT 9.00 HOURS, ON AUG 17, 1984
RUNOFF YIELD 32.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 258.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

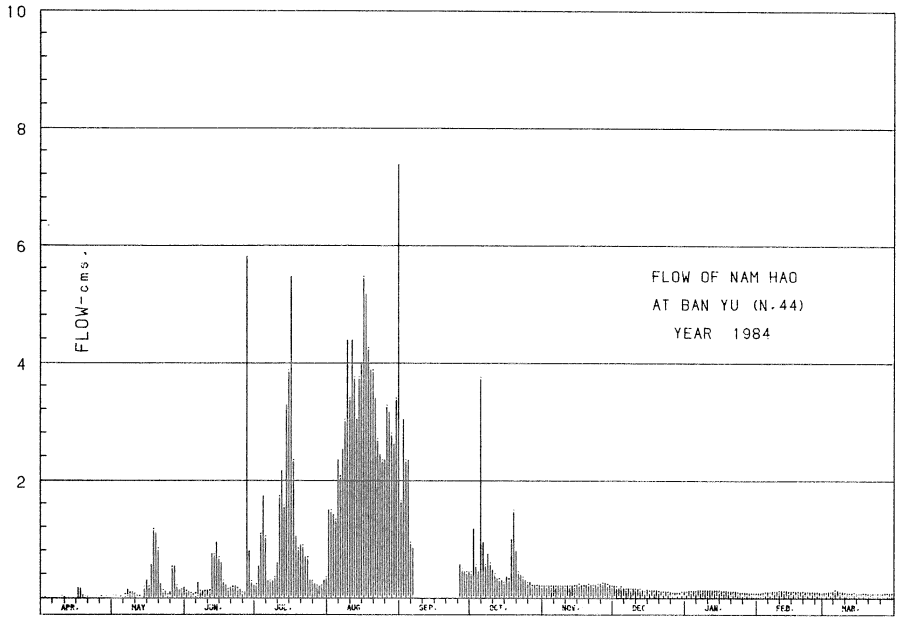
NAM HAO AT BAN NA PHUAK, NAN (N.44)

LOCATION	LAT. 19-05-06 N., LONG. 100-50-59 E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE, ALONG THA WANG PHA-SILA PHET ROAD AT BAN NA PHUAK, TAMBON YOM, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR B.M.5 OF HIGHWAYS DEPT.
ELEVATION	+6.752 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. NO RECORDS ON SEP.7-25,1984. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.20	0.28	0.36	0.65	0.67	0.45	0.34	0.34	0.26	0.23	0.24	
2	0.08	0.18	0.26	0.48	0.65	0.82	0.61	0.34	0.33	0.27	0.23	0.24	
3	0.08	0.15	0.24	0.60	0.64	0.75	0.49	0.34	0.31	0.27	0.24	0.25	
4	0.08	0.14	0.22	0.68	0.63	0.75	0.45	0.34	0.33	0.27	0.25	0.25	
5	0.08	0.15	0.24	0.59	0.75	0.57	0.88	0.34	0.31	0.27	0.25	0.26	
6	0.08	0.22	0.37	0.39	0.72	0.55	0.57	0.34	0.31	0.28	0.25	0.29	
7	0.09	0.29	0.28	0.40	0.77	*******	0.49	0.34	0.31	0.28	0.26	0.27	
8	0.10	0.25	0.27	0.39	0.82	*******	0.53	0.34	0.31	0.28	0.26	0.25	
9	0.18	0.25	0.28	0.42	0.93	*******	0.50	0.34	0.31	0.28	0.26	0.25	
10	0.09	0.23	0.28	0.50	0.85	*******	0.46	0.34	0.31	0.28	0.27	0.24	
11	0.09	0.19	0.29	0.68	0.93	*******	0.44	0.34	0.30	0.28	0.27	0.23	
12	0.10	0.15	0.53	0.73	0.88	*******	0.41	0.34	0.31	0.28	0.27	0.23	
13	0.10	0.16	0.53	0.66	0.82	*******	0.41	0.34	0.28	0.28	0.27	0.23	
14	0.08	0.33	0.57	0.84	0.88	*******	0.40	0.35	0.27	0.28	0.26	0.24	
15	0.07	0.40	0.52	0.89	0.90	*******	0.38	0.35	0.29	0.28	0.26	0.22	
16	0.33	0.33	0.50	1.01	1.01	*******	0.42	0.36	0.28	0.27	0.26	0.22	
17	0.31	0.49	0.40	0.75	0.99	*******	0.41	0.35	0.28	0.27	0.26	0.22	
18	0.20	0.61	0.35	0.59	0.92	*******	0.58	0.35	0.28	0.27	0.26	0.23	
19	0.16	0.60	0.31	0.55	0.89	*******	0.65	0.35	0.28	0.26	0.26	0.23	
20	0.13	0.55	0.32	0.56	0.89	*******	0.54	0.36	0.27	0.26	0.26	0.22	
21	0.11	0.36	0.33	0.56	0.85	*******	0.45	0.35	0.26	0.26	0.25	0.22	
22	0.10	0.29	0.33	0.52	0.79	*******	0.43	0.35	0.26	0.26	0.25	0.22	
23	0.14	0.26	0.32	0.52	0.76	*******	0.42	0.35	0.26	0.25	0.25	0.22	
24	0.18	0.22	0.29	0.40	0.75	*******	0.40	0.36	0.26	0.24	0.25	0.22	
25	0.16	0.25	0.25	0.40	0.75	*******	0.38	0.36	0.25	0.24	0.25	0.22	
26	0.18	0.48	0.25	0.36	0.84	0.49	0.38	0.37	0.24	0.24	0.25	0.22	
27	0.14	0.48	1.03	0.35	0.83	0.47	0.35	0.37	0.24	0.24	0.24	0.23	
28	0.12	0.35	0.54	0.33	0.80	0.45	0.35	0.36	0.24	0.23	0.23	0.23	
29	0.11	0.28	0.39	0.35	0.78	0.45	0.35	0.35	0.24	0.23		0.23	
30	0.12	0.30	0.34	0.40	0.85	0.45	0.35	0.34	0.26	0.23		0.23	
31		0.32		0.42	1.12		0.34		0.26	0.23		0.23	
MEAN	0.13	0.31	0.37	0.54	0.83	*******	0.46	0.35	0.28	0.26	0.25	0.23	
MAX	0.33	0.61	1.03	1.01	1.12	0.82	0.88	0.37	0.34	0.28	0.27	0.29	1.12
MIN	0.07	0.14	0.22	0.33	0.63	*******	0.34	0.34	0.24	0.23	0.23	0.22	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.20 M (A.D), AT 6.00 HOURS, ON AUG 31, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.22 M (A.D)
LEFT BANK ELEVATION 5.78 M (A.D)
RIGHT BANK ELEVATION 6.22 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.05	0.13	0.24	1.50	1.66	0.45	0.21	0.21	0.11	0.08	0.09	
2	0.02	0.04	0.11	0.54	1.50	3.04	1.18	0.21	0.20	0.12	0.08	0.09	
3	0.02	0.04	0.09	1.10	1.42	2.35	0.57	0.21	0.16	0.12	0.09	0.10	
4	0.02	0.03	0.07	1.74	1.34	2.35	0.45	0.21	0.20	0.12	0.10	0.10	
5	0.02	0.04	0.09	1.05	2.35	0.95	3.76	0.21	0.16	0.12	0.10	0.11	
6	0.02	0.07	0.26	0.29	2.08	0.85	0.95	0.21	0.16	0.13	0.10	0.14	
7	0.02	0.14	0.13	0.30	2.53	*******	0.57	0.21	0.16	0.13	0.11	0.12	
8	0.02	0.10	0.12	0.29	3.04	*******	0.75	0.21	0.16	0.13	0.11	0.10	
9	0.04	0.10	0.13	0.36	4.39	*******	0.60	0.21	0.16	0.13	0.11	0.10	
10	0.02	0.08	0.13	0.60	3.40	*******	0.48	0.21	0.16	0.13	0.12	0.09	
11	0.02	0.05	0.14	1.74	4.39	*******	0.42	0.21	0.15	0.13	0.12	0.08	
12	0.02	0.04	0.75	2.17	3.76	*******	0.33	0.21	0.16	0.13	0.12	0.08	
13	0.02	0.04	0.75	1.58	3.04	*******	0.33	0.21	0.13	0.13	0.12	0.08	
14	0.02	0.20	0.95	3.28	3.76	*******	0.30	0.22	0.12	0.13	0.11	0.09	
15	0.01	0.30	0.70	3.88	4.00	*******	0.27	0.22	0.14	0.13	0.11	0.07	
16	0.20	0.20	0.60	5.47	5.47	*******	0.36	0.24	0.13	0.12	0.11	0.07	
17	0.16	0.57	0.30	2.35	5.17	*******	0.33	0.22	0.13	0.12	0.11	0.07	
18	0.05	1.18	0.22	1.05	4.26	*******	1.00	0.22	0.13	0.12	0.11	0.08	
19	0.04	1.10	0.16	0.85	3.88	*******	1.50	0.22	0.13	0.11	0.11	0.08	
20	0.03	0.85	0.18	0.90	3.88	*******	0.80	0.24	0.12	0.11	0.11	0.07	
21	0.02	0.24	0.20	0.90	3.40	*******	0.45	0.22	0.11	0.11	0.10	0.07	
22	0.02	0.14	0.20	0.70	2.71	*******	0.39	0.22	0.11	0.11	0.10	0.07	
23	0.03	0.11	0.18	0.70	2.44	*******	0.36	0.22	0.11	0.10	0.10	0.07	
24	0.04	0.07	0.14	0.30	2.35	*******	0.30	0.24	0.11	0.09	0.10	0.07	
25	0.04	0.10	0.10	0.30	2.35	*******	0.27	0.24	0.10	0.09	0.10	0.07	
26	0.04	0.54	0.10	0.24	3.28	0.57	0.27	0.26	0.09	0.09	0.10	0.07	
27	0.03	0.54	5.81	0.22	3.16	0.51	0.22	0.26	0.09	0.09	0.09	0.08	
28	0.03	0.22	0.80	0.20	2.80	0.45	0.22	0.24	0.09	0.08	0.08	0.08	
29	0.02	0.13	0.29	0.22	2.62	0.45	0.22	0.22	0.09	0.08		0.08	
30	0.03	0.15	0.21	0.30	3.40	0.45	0.22	0.21	0.11	0.08		0.08	
31		0.18		0.36	7.38		0.21		0.11	0.08		0.08	
TOTAL	1.09	7.64	14.04	34.22	101.05	*******	18.53	6.64	4.19	3.47	2.90	2.63	******** CMSDAY
MEAN	0.04	0.25	0.47	1.10	3.26	*******	0.60	0.22	0.14	0.11	0.10	0.08	******** CMS
MAX	0.20	1.18	5.81	5.47	7.38	3.04	3.76	0.26	0.21	0.13	0.12	0.14	7.38 CMS
MIN	0.01	0.03	0.07	0.20	1.34	*******	0.21	0.21	0.09	0.08	0.08	0.07	******** CMS
RUNOFF	0.094	0.660	1.213	2.957	8.731	*******	1.601	0.574	0.362	0.300	0.251	0.227	******** MCM

MOMENTARY PEAK 8.90 CMS, AT 1.20 M (A.D), AT 6.00 HOURS, ON AUG 31, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 217.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

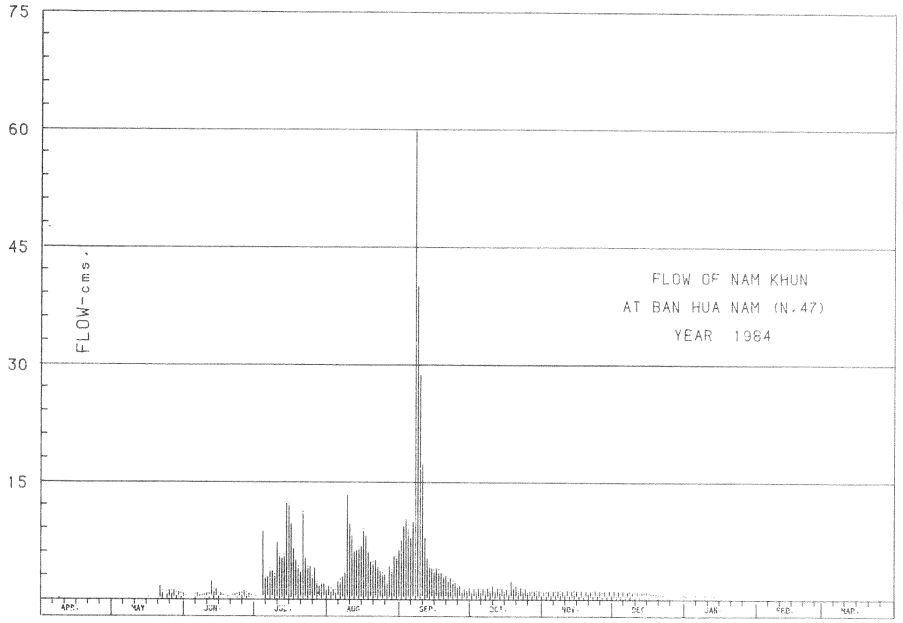
NAM KHUN AT BAN HUA NAM, NAN (N.47)

LOCATION	LAT. 19-08-36 N., LONG. 100-57-08 E., ON LEFT BANK NEAR WAT PA MUAT AT BAN HUA NAM, AMPHOE PUA, NAN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.652 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 2.68 M. (A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.98	1.02	1.14	1.12	1.31	1.61	1.27	1.21	1.23	1.12	1.09	1.07	
2	0.97	1.02	1.12	1.10	1.29	1.66	1.27	1.22	1.20	1.12	1.08	1.08	
3	0.96	1.01	1.12	1.12	1.26	1.70	1.27	1.23	1.22	1.13	1.08	1.07	
4	0.97	1.02	1.14	1.64	1.26	1.67	1.28	1.24	1.20	1.14	1.07	1.07	
5	0.98	1.03	1.17	1.40	1.35	1.62	1.28	1.22	1.22	1.15	1.08	1.08	
6	0.99	1.02	1.19	1.39	1.37	1.68	1.27	1.23	1.20	1.13	1.07	1.12	
7	1.00	1.02	1.14	1.45	1.39	2.55	1.28	1.23	1.21	1.12	1.07	1.11	
8	1.10	1.03	1.15	1.43	1.44	2.30	1.28	1.24	1.22	1.13	1.08	1.09	
9	1.06	1.02	1.16	1.41	1.78	2.12	1.29	1.22	1.20	1.14	1.09	1.08	
10	0.99	1.03	1.18	1.59	1.68	1.88	1.31	1.23	1.20	1.11	1.08	1.07	
11	1.00	1.02	1.19	1.53	1.62	1.62	1.30	1.24	1.21	1.12	1.07	1.08	
12	1.01	1.03	1.35	1.51	1.56	1.51	1.28	1.22	1.19	1.13	1.07	1.08	
13	1.01	1.04	1.27	1.53	1.55	1.47	1.27	1.23	1.19	1.12	1.06	1.09	
14	0.99	1.05	1.27	1.75	1.57	1.45	1.27	1.24	1.20	1.12	1.07	1.09	
15	0.97	1.10	1.20	1.75	1.57	1.44	1.27	1.23	1.21	1.11	1.08	1.08	
16	0.98	1.09	1.19	1.67	1.65	1.45	1.26	1.22	1.19	1.10	1.07	1.09	
17	0.99	1.07	1.15	1.57	1.62	1.44	1.25	1.23	1.18	1.10	1.07	1.08	
18	1.00	1.04	1.14	1.50	1.55	1.42	1.35	1.21	1.17	1.09	1.07	1.07	
19	1.01	1.04	1.12	1.46	1.49	1.41	1.32	1.22	1.16	1.10	1.06	1.09	
20	1.01	1.05	1.13	1.42	1.49	1.40	1.31	1.23	1.14	1.09	1.07	1.08	
21	0.99	1.31	1.15	1.72	1.50	1.38	1.30	1.22	1.15	1.10	1.06	1.07	
22	0.97	1.24	1.17	1.51	1.47	1.38	1.29	1.23	1.14	1.09	1.07	1.06	
23	0.98	1.10	1.18	1.46	1.43	1.36	1.27	1.23	1.13	1.09	1.08	1.08	
24	0.98	1.23	1.20	1.46	1.42	1.34	1.27	1.23	1.14	1.09	1.07	1.07	
25	0.99	1.24	1.21	1.40	1.41	1.32	1.26	1.22	1.13	1.10	1.08	1.08	
26	1.00	1.25	1.23	1.45	1.35	1.31	1.22	1.21	1.13	1.11	1.08	1.09	
27	1.01	1.24	1.21	1.35	1.46	1.28	1.23	1.22	1.12	1.09	1.07	1.07	
28	1.00	1.22	1.18	1.31	1.44	1.27	1.23	1.21	1.13	1.08	1.08	1.08	
29	1.01	1.21	1.15	1.36	1.52	1.29	1.24	1.23	1.12	1.09		1.08	
30	1.02	1.20	1.13	1.33	1.52	1.29	1.23	1.22	1.12	1.10		1.09	
31		1.18		1.31	1.55		1.22		1.14	1.09		1.07	
MEAN	1.00	1.10	1.18	1.45	1.48	1.55	1.27	1.23	1.17	1.11	1.07	1.08	
MAX	1.10	1.31	1.35	1.75	1.78	2.55	1.35	1.24	1.23	1.15	1.09	1.12	2.55
MIN	0.96	1.01	1.12	1.10	1.26	1.27	1.22	1.21	1.12	1.08	1.06	1.06	0.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.00 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 2.62 M (A.D)
RIGHT BANK ELEVATION 2.48 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.06	0.50	0.40	1.65	7.80	1.29	0.87	1.01	0.40	0.27	0.21	
2	0.00	0.06	0.40	0.30	1.43	9.30	1.29	0.94	0.80	0.40	0.24	0.24	
3	0.00	0.03	0.40	0.40	1.22	10.50	1.29	1.01	0.94	0.45	0.24	0.21	
4	0.00	0.06	0.50	8.70	1.22	9.60	1.36	1.08	0.80	0.50	0.21	0.21	
5	0.00	0.09	0.65	3.00	2.25	8.10	1.36	0.94	0.94	0.55	0.24	0.24	
6	0.00	0.06	0.75	2.85	2.55	9.90	1.29	1.01	0.80	0.45	0.21	0.40	
7	0.00	0.06	0.50	4.00	2.85	60.00	1.36	1.01	0.87	0.40	0.21	0.35	
8	0.30	0.09	0.55	3.60	3.80	40.00	1.36	1.08	0.94	0.45	0.24	0.27	
9	0.18	0.06	0.60	3.20	13.30	29.00	1.43	0.94	0.80	0.50	0.27	0.24	
10	0.00	0.09	0.70	7.25	9.90	17.20	1.65	1.01	0.80	0.35	0.24	0.21	
11	0.00	0.06	0.75	5.75	8.10	8.10	1.50	1.08	0.87	0.40	0.21	0.24	
12	0.03	0.09	2.25	5.25	6.50	5.25	1.36	0.94	0.75	0.45	0.21	0.24	
13	0.03	0.12	1.29	5.75	6.25	4.40	1.29	1.01	0.75	0.40	0.18	0.27	
14	0.00	0.15	1.29	12.25	6.75	4.00	1.29	1.08	0.80	0.40	0.21	0.27	
15	0.00	0.30	0.80	12.25	6.75	3.80	1.29	1.01	0.87	0.35	0.24	0.24	
16	0.00	0.27	0.75	9.60	9.00	4.00	1.22	0.94	0.75	0.30	0.21	0.27	
17	0.00	0.21	0.55	6.75	8.10	3.80	1.15	1.01	0.70	0.30	0.21	0.24	
18	0.00	0.12	0.50	5.00	6.25	3.40	2.25	0.87	0.65	0.27	0.21	0.21	
19	0.03	0.12	0.40	4.20	4.80	3.20	1.80	0.94	0.60	0.30	0.18	0.27	
20	0.03	0.15	0.45	3.40	4.80	3.00	1.65	1.01	0.50	0.27	0.21	0.24	
21	0.00	1.65	0.55	11.20	5.00	2.70	1.50	0.94	0.55	0.30	0.18	0.21	
22	0.00	1.08	0.65	5.25	4.40	2.70	1.43	1.01	0.50	0.27	0.21	0.18	
23	0.00	0.30	0.70	4.20	3.60	2.40	1.29	1.01	0.45	0.27	0.24	0.24	
24	0.00	1.01	0.80	4.20	3.40	2.10	1.29	1.01	0.50	0.27	0.21	0.21	
25	0.00	1.08	0.87	3.00	3.20	1.80	1.22	0.94	0.45	0.30	0.24	0.24	
26	0.00	1.15	1.01	4.00	2.25	1.65	0.94	0.87	0.45	0.35	0.24	0.27	
27	0.03	1.08	0.87	2.25	4.20	1.36	1.01	0.94	0.40	0.27	0.21	0.21	
28	0.00	0.94	0.70	1.65	3.80	1.29	1.01	0.87	0.45	0.24	0.24	0.24	
29	0.03	0.87	0.55	2.40	5.50	1.43	1.08	1.01	0.40	0.27		0.24	
30	0.06	0.80	0.45	1.95	5.50	1.43	1.01	0.94	0.40	0.30		0.27	
31		0.70		1.65	6.25		0.94		0.50	0.27		0.21	
TOTAL	0.72	12.91	21.73	145.65	154.57	263.21	41.20	29.32	20.99	11.00	6.21	7.59	715.10 CMSDAY
MEAN	0.02	0.42	0.72	4.70	4.99	8.77	1.33	0.98	0.68	0.35	0.22	0.24	1.96 CMS
MAX	0.30	1.65	2.25	12.25	13.30	60.00	2.25	1.08	1.01	0.55	0.27	0.40	60.00 CMS
MIN	0.00	0.03	0.40	0.30	1.22	1.29	0.94	0.87	0.40	0.24	0.18	0.18	0.00 CMS
RUNOFF	0.062	1.115	1.877	12.584	13.355	22.741	3.560	2.533	1.814	0.950	0.537	0.656	61.785 MCM

MOMENTARY PEAK 127.00 CMS, AT 3.00 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 55.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3628.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

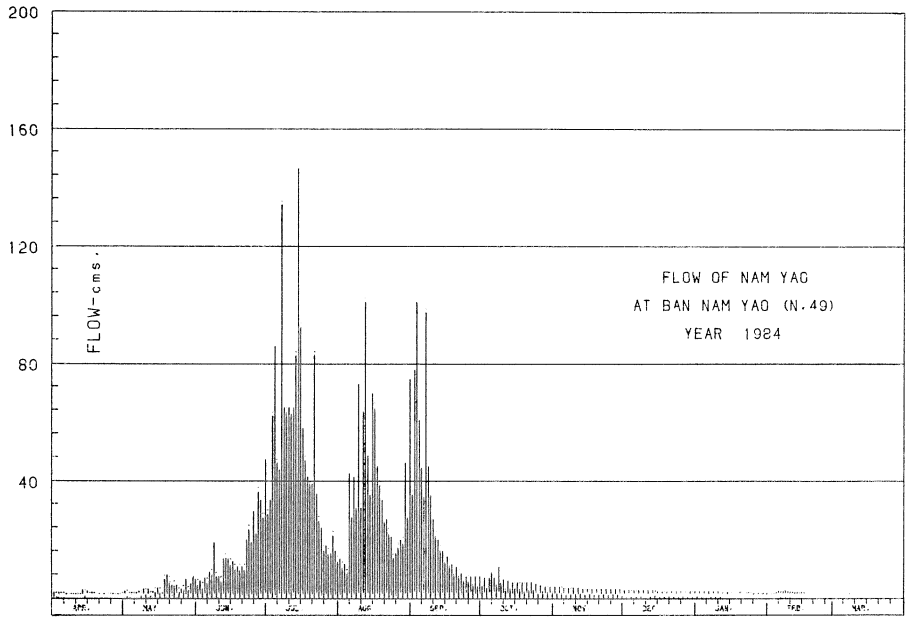
NAM YAO AT BAN NAM YAO, NAN (N.49)

LOCATION	LAT. 18-59-29 N., LONG. 100-56-32 E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE OF NAM YAO, ALONG PUA-SILA PHET ROAD AT BAN NAM YAO, AMPHOE PUA, NAN.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+6.052 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.35	1.36	1.45	1.72	1.55	1.78	1.47	1.40	1.37	1.36	1.34	1.31	
2	1.35	1.37	1.44	1.75	1.54	2.08	1.46	1.40	1.37	1.36	1.34	1.31	
3	1.35	1.35	1.43	1.99	1.53	2.23	1.46	1.40	1.37	1.36	1.34	1.31	
4	1.35	1.35	1.46	2.13	1.51	1.97	1.46	1.40	1.37	1.36	1.35	1.31	
5	1.35	1.35	1.46	1.87	1.83	1.86	1.52	1.39	1.37	1.36	1.36	1.31	
6	1.34	1.35	1.50	1.84	1.71	1.76	1.46	1.39	1.37	1.36	1.36	1.31	
7	1.34	1.36	1.51	2.41	1.82	2.21	1.46	1.39	1.37	1.36	1.36	1.34	
8	1.34	1.37	1.61	2.00	1.74	1.85	1.52	1.39	1.37	1.36	1.36	1.34	
9	1.34	1.38	1.50	2.00	2.05	1.78	1.46	1.39	1.37	1.36	1.36	1.32	
10	1.34	1.38	1.47	2.00	1.74	1.69	1.45	1.39	1.37	1.36	1.35	1.32	
11	1.34	1.38	1.47	2.00	1.99	1.65	1.44	1.39	1.37	1.36	1.35	1.32	
12	1.34	1.36	1.55	2.00	2.23	1.62	1.44	1.39	1.37	1.35	1.35	1.32	
13	1.37	1.36	1.57	2.12	1.88	1.60	1.44	1.38	1.37	1.35	1.35	1.32	
14	1.37	1.39	1.55	2.47	1.78	1.58	1.43	1.38	1.37	1.35	1.35	1.32	
15	1.36	1.39	1.55	2.18	2.03	1.56	1.43	1.38	1.36	1.35	1.35	1.32	
16	1.35	1.39	1.54	1.95	2.01	1.56	1.43	1.38	1.36	1.35	1.35	1.32	
17	1.35	1.35	1.53	1.88	1.85	1.55	1.43	1.38	1.36	1.35	1.33	1.32	
18	1.35	1.48	1.52	1.82	1.81	1.53	1.43	1.38	1.36	1.35	1.33	1.32	
19	1.34	1.48	1.53	1.82	1.75	1.52	1.43	1.38	1.36	1.35	1.33	1.32	
20	1.34	1.47	1.52	1.80	1.70	1.52	1.43	1.38	1.36	1.35	1.32	1.32	
21	1.34	1.41	1.53	2.12	1.69	1.51	1.43	1.38	1.36	1.35	1.32	1.33	
22	1.34	1.44	1.62	1.77	1.66	1.49	1.43	1.38	1.36	1.35	1.32	1.33	
23	1.34	1.41	1.67	1.70	1.63	1.49	1.42	1.38	1.36	1.35	1.32	1.32	
24	1.34	1.39	1.61	1.66	1.57	1.47	1.42	1.38	1.36	1.35	1.32	1.32	
25	1.34	1.38	1.73	1.60	1.57	1.48	1.41	1.38	1.36	1.34	1.32	1.32	
26	1.34	1.41	1.64	1.60	1.61	1.47	1.41	1.38	1.36	1.34	1.32	1.31	
27	1.34	1.45	1.79	1.59	1.62	1.47	1.41	1.38	1.36	1.34	1.32	1.31	
28	1.34	1.40	1.75	1.57	1.63	1.47	1.40	1.38	1.36	1.34	1.31	1.31	
29	1.34	1.42	1.71	1.65	1.86	1.47	1.40	1.38	1.36	1.34		1.31	
30	1.35	1.49	1.87	1.58	1.71	1.47	1.40	1.37	1.36	1.34		1.31	
31		1.45		1.56	2.06		1.40		1.36	1.34		1.31	
MEAN	1.35	1.40	1.57	1.88	1.76	1.66	1.44	1.38	1.36	1.35	1.34	1.32	
MAX	1.37	1.49	1.87	2.47	2.23	2.23	1.52	1.40	1.37	1.36	1.36	1.34	2.47
MIN	1.34	1.35	1.43	1.56	1.51	1.47	1.40	1.37	1.36	1.34	1.31	1.31	1.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.78 M (A.D), AT 6.00 HOURS, ON JUL 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.67 M (A.D)
LEFT BANK ELEVATION 9.17 M (A.D)
RIGHT BANK ELEVATION 11.82 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	2.40	6.50	30.20	13.50	36.80	7.50	4.00	2.80	2.40	1.60	0.40	
2	2.00	2.80	6.00	33.50	12.60	77.80	7.00	4.00	2.80	2.40	1.60	0.40	
3	2.00	2.00	5.50	63.60	11.70	102.40	7.00	4.00	2.80	2.40	1.60	0.40	
4	2.00	2.00	7.00	85.80	9.90	60.80	7.00	4.00	2.80	2.40	2.00	0.40	
5	2.00	2.00	7.00	47.40	42.60	46.20	10.80	3.60	2.80	2.40	2.40	0.40	
6	1.60	2.00	9.00	43.80	29.10	34.60	7.00	3.60	2.80	2.40	2.40	0.40	
7	1.60	2.40	9.90	135.35	41.40	98.80	7.00	3.60	2.80	2.40	2.40	1.60	
8	1.60	2.80	19.00	65.00	32.40	45.00	10.80	3.60	2.80	2.40	2.40	1.60	
9	1.60	3.20	9.00	65.00	73.00	36.80	7.00	3.60	2.80	2.40	2.40	0.80	
10	1.60	3.20	7.50	65.00	32.40	27.00	6.50	3.60	2.80	2.40	2.00	0.80	
11	1.60	3.20	7.50	65.00	63.60	23.00	6.00	3.60	2.80	2.40	2.00	0.80	
12	1.60	2.40	13.50	65.00	102.40	20.00	6.00	3.60	2.80	2.00	2.00	0.80	
13	2.80	2.40	15.30	84.20	48.60	18.00	6.00	3.20	2.80	2.00	2.00	0.80	
14	2.80	3.60	13.50	146.45	36.80	16.20	5.50	3.20	2.80	2.00	2.00	0.80	
15	2.40	3.60	13.50	93.80	69.80	14.40	5.50	3.20	2.40	2.00	2.00	0.80	
16	2.00	3.60	12.60	58.00	66.60	14.40	5.50	3.20	2.40	2.00	2.00	0.80	
17	2.00	2.00	11.70	48.60	45.00	13.50	5.50	3.20	2.40	2.00	1.20	0.80	
18	2.00	8.00	10.80	41.40	40.20	11.70	5.50	3.20	2.40	2.00	1.20	0.80	
19	1.60	8.00	11.70	41.40	33.50	10.80	5.50	3.20	2.40	2.00	1.20	0.80	
20	1.60	7.50	10.80	39.00	28.00	10.80	5.50	3.20	2.40	2.00	0.80	0.80	
21	1.60	4.50	11.70	84.20	27.00	9.90	5.50	3.20	2.40	2.00	0.80	1.20	
22	1.60	6.00	20.00	35.70	24.00	8.50	5.50	3.20	2.40	2.00	0.80	1.20	
23	1.60	4.50	25.00	28.00	21.00	8.50	5.00	3.20	2.40	2.00	0.80	0.80	
24	1.60	3.60	19.00	24.00	15.30	7.50	5.00	3.20	2.40	2.00	0.80	0.80	
25	1.60	3.20	31.30	18.00	15.30	8.00	4.50	3.20	2.40	1.60	0.80	0.80	
26	1.60	4.50	22.00	18.00	19.00	7.50	4.50	3.20	2.40	1.60	0.80	0.40	
27	1.60	6.50	37.90	17.10	20.00	7.50	4.50	3.20	2.40	1.60	0.80	0.40	
28	1.60	4.00	33.50	15.30	21.00	7.50	4.00	3.20	2.40	1.60	0.40	0.40	
29	1.60	5.00	29.10	23.00	46.20	7.50	4.00	3.20	2.40	1.60		0.40	
30	2.00	8.50	47.40	16.20	29.10	7.50	4.00	2.80	2.40	1.60		0.40	
31		6.50		14.40	74.60		4.00		2.40	1.60		0.40	
TOTAL	54.80	125.90	484.20	1611.40	1145.60	798.90	184.60	102.00	80.00	63.60	43.20	22.40	4716.60 CMSDAY
MEAN	1.83	4.06	16.14	51.98	36.95	26.63	5.95	3.40	2.58	2.05	1.54	0.72	12.92 CMS
MAX	2.80	8.50	47.40	146.45	102.40	102.40	10.80	4.00	2.80	2.40	2.40	1.60	146.45 CMS
MIN	1.60	2.00	5.50	14.40	9.90	7.50	4.00	2.80	2.40	1.60	0.40	0.40	0.40 CMS
RUNOFF	4.735	10.878	41.835	139.225	98.980	69.025	15.949	8.813	6.912	5.495	3.732	1.935	407.514 MCM

MOMENTARY PEAK 208.00 CMS, AT 2.78 M (A.D), AT 6.00 HOURS, ON JUL 7, 1984
RUNOFF YIELD 83.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1341.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

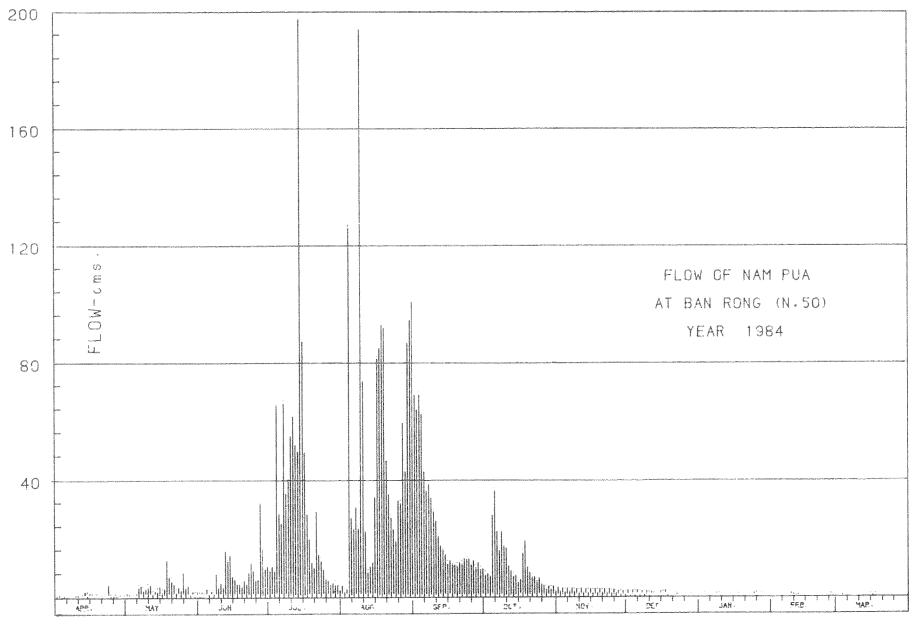
NAM PUA AT BAN RONG, NAN (N.50)

LOCATION	LAT. 19-11-38 N., LONG. 100-55-14 E., ON LEFT BANK DOWNSTREAM OF THE BRIDGE OF NAM PUA, ALONG PUA-THUNG CHANG ROAD AT BAN RONG, AMPHOE PUA, NAN.
DRAINAGE AREA	192 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+4.361 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE BECAUSE THE RIVER CHANGE ITS COURSE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.48	0.52	0.79	0.63	1.08	0.50	0.37	0.33	0.27	0.28	0.21	
2	0.35	0.41	0.52	0.79	0.61	1.04	0.48	0.37	0.33	0.29	0.25	0.23	
3	0.35	0.40	0.50	0.79	0.58	1.08	0.49	0.36	0.33	0.29	0.26	0.25	
4	0.26	0.41	0.59	1.29	1.57	1.03	0.74	0.36	0.33	0.29	0.25	0.25	
5	0.26	0.48	0.57	1.02	1.00	0.89	0.83	0.36	0.33	0.29	0.25	0.24	
6	0.24	0.65	0.54	0.98	0.97	0.82	0.68	0.36	0.33	0.29	0.25	0.23	
7	0.24	0.63	0.58	1.30	1.03	0.85	0.61	0.36	0.32	0.28	0.25	0.20	
8	0.28	0.63	0.74	1.07	0.97	0.80	0.68	0.36	0.33	0.29	0.26	0.20	
9	0.34	0.59	0.65	1.11	1.78	0.76	0.63	0.35	0.32	0.29	0.29	0.20	
10	0.34	0.66	0.66	1.22	1.34	0.72	0.61	0.35	0.31	0.29	0.25	0.20	
11	0.38	0.64	0.66	1.27	0.95	0.67	0.54	0.36	0.31	0.28	0.25	0.20	
12	0.43	0.56	0.87	1.20	0.77	0.62	0.50	0.35	0.30	0.26	0.25	0.23	
13	0.53	0.54	0.84	1.19	0.79	0.62	0.49	0.35	0.30	0.25	0.25	0.23	
14	0.53	0.61	0.85	1.79	0.83	0.58	0.47	0.35	0.31	0.25	0.25	0.25	
15	0.49	0.62	0.75	1.41	1.06	0.55	0.45	0.35	0.32	0.26	0.25	0.29	
16	0.48	0.59	0.70	1.18	1.38	0.55	0.44	0.35	0.32	0.27	0.25	0.31	
17	0.47	0.59	0.70	1.02	1.17	0.55	0.60	0.35	0.33	0.27	0.25	0.30	
18	0.48	0.84	0.65	0.92	1.22	0.53	0.64	0.35	0.32	0.25	0.25	0.27	
19	0.44	0.72	0.67	0.83	1.21	0.54	0.53	0.35	0.29	0.26	0.25	0.23	
20	0.38	0.72	0.69	0.78	0.92	0.54	0.49	0.35	0.29	0.25	0.19	0.25	
21	0.38	0.65	0.70	1.03	0.81	0.55	0.48	0.35	0.31	0.25	0.19	0.24	
22	0.38	0.60	0.75	0.85	0.74	0.56	0.46	0.35	0.26	0.25	0.19	0.25	
23	0.64	0.61	0.83	0.84	0.69	0.57	0.45	0.35	0.28	0.26	0.18	0.26	
24	0.46	0.63	0.76	0.77	0.65	0.56	0.45	0.34	0.29	0.29	0.25	0.24	
25	0.43	0.75	0.72	0.73	0.79	0.55	0.44	0.34	0.29	0.30	0.27	0.22	
26	0.43	0.65	0.70	0.69	0.79	0.55	0.40	0.34	0.29	0.29	0.28	0.21	
27	0.46	0.63	1.05	0.69	1.01	0.53	0.40	0.33	0.30	0.29	0.25	0.21	
28	0.39	0.52	0.88	0.66	0.89	0.54	0.39	0.33	0.28	0.28	0.22	0.21	
29	0.38	0.53	0.80	0.69	1.18	0.52	0.39	0.32	0.27	0.28		0.21	
30	0.39	0.53	0.79	0.64	1.23	0.51	0.39	0.32	0.26	0.27		0.21	
31		0.53		0.63	1.26		0.37		0.27	0.28		0.21	
MEAN	0.40	0.59	0.71	0.97	0.99	0.68	0.52	0.35	0.30	0.27	0.25	0.23	
MAX	0.64	0.84	1.05	1.79	1.78	1.08	0.83	0.37	0.33	0.30	0.29	0.31	1.79
MIN	0.24	0.40	0.50	0.63	0.58	0.51	0.37	0.32	0.26	0.25	0.18	0.20	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.00 M (A.D), AT 6.00 HOURS, ON AUG 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.75 M (A.D)
LEFT BANK ELEVATION 3.30 M (A.D)
RIGHT BANK ELEVATION 4.36 M (A.D), DRAINAGE AREA 192 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	1.40	1.80	10.50	3.90	70.00	9.00	3.25	2.25	1.05	1.20	0.15	
2	0.75	1.05	1.80	10.50	3.30	64.00	8.00	3.25	2.25	1.35	0.75	0.45	
3	0.75	1.00	1.50	10.50	2.70	70.00	8.50	3.00	2.25	1.35	0.90	0.75	
4	0.30	1.05	2.85	65.50	126.90	62.50	28.00	3.00	2.25	1.35	0.75	0.75	
5	0.30	1.40	2.55	29.40	27.00	43.90	37.30	3.00	2.25	1.35	0.75	0.60	
6	0.20	4.50	2.10	25.20	24.30	36.20	22.40	3.00	2.25	1.35	0.75	0.45	
7	0.20	3.90	2.70	67.00	30.60	39.50	16.80	3.00	2.00	1.20	0.75	0.00	
8	0.40	3.90	8.00	35.40	24.30	34.00	22.40	3.00	2.25	1.35	0.90	0.00	
9	0.70	2.85	4.50	40.30	194.00	30.00	18.40	2.75	2.00	1.35	1.35	0.00	
10	0.70	4.80	4.80	55.00	74.60	26.00	16.80	2.75	1.75	1.35	0.75	0.00	
11	0.90	4.20	4.80	62.50	22.50	21.60	11.80	3.00	1.75	1.20	0.75	0.00	
12	1.15	2.40	15.90	52.00	9.50	17.60	9.00	2.75	1.50	0.90	0.75	0.45	
13	1.95	2.10	13.80	50.70	10.50	17.60	8.50	2.75	1.50	0.75	0.75	0.45	
14	1.95	3.30	14.50	197.50	13.10	14.60	7.50	2.75	1.75	0.75	0.75	0.75	
15	1.45	3.60	8.50	88.20	34.20	12.50	6.50	2.75	2.00	0.90	0.75	1.35	
16	1.40	2.85	6.00	49.40	82.20	12.50	6.00	2.75	2.00	1.05	0.75	1.75	
17	1.35	2.85	6.00	29.40	84.90	12.50	16.00	2.75	2.25	1.05	0.75	1.50	
18	1.40	13.80	4.50	19.80	93.60	11.10	19.20	2.75	2.00	0.75	0.75	1.05	
19	1.20	7.00	5.10	13.10	91.80	11.80	11.10	2.75	1.35	0.90	0.75	0.45	
20	0.90	7.00	5.70	10.00	47.60	11.80	8.50	2.75	1.35	0.75	0.00	0.75	
21	0.90	4.50	6.00	30.60	35.10	12.50	8.00	2.75	1.75	0.75	0.00	0.60	
22	0.90	3.00	8.50	14.50	28.00	13.20	7.00	2.75	0.90	0.75	0.00	0.75	
23	4.20	3.30	13.10	13.80	23.20	13.90	6.50	2.75	1.20	0.90	0.00	0.90	
24	1.30	3.90	9.00	9.50	20.00	13.20	6.50	2.50	1.35	1.35	0.75	0.60	
25	1.15	8.50	7.00	7.50	33.00	12.50	6.00	2.50	1.35	1.50	1.05	0.30	
26	1.15	4.50	6.00	5.70	33.00	12.50	4.00	2.50	1.35	1.35	1.20	0.15	
27	1.30	3.90	33.00	5.70	59.50	11.10	4.00	2.25	1.50	1.35	0.75	0.15	
28	0.95	1.80	16.60	4.80	43.90	11.80	3.75	2.25	1.20	1.20	0.30	0.15	
29	0.90	1.95	11.00	5.70	86.60	10.40	3.75	2.00	1.05	1.20		0.15	
30	0.95	1.95	10.50	4.20	95.40	9.70	3.75	2.00	0.90	1.05		0.15	
31		1.95		3.90	100.80		3.25		1.05	1.20		0.15	
TOTAL	32.25	114.20	238.10	1027.80	1560.00	740.50	348.20	82.00	52.55	34.65	19.65	15.70	4265.60 CMSDAY
MEAN	1.08	3.68	7.94	33.15	50.32	24.68	11.23	2.73	1.70	1.12	0.70	0.51	11.69 CMS
MAX	4.20	13.80	33.00	197.50	194.00	70.00	37.30	3.25	2.25	1.50	1.35	1.75	197.50 CMS
MIN	0.20	1.00	1.50	3.90	2.70	9.70	3.25	2.00	0.90	0.75	0.00	0.00	0.00 CMS
RUNOFF	2.786	9.867	20.572	88.802	134.784	63.979	30.084	7.085	4.540	2.994	1.698	1.356	368.548 MCM

MOMENTARY PEAK 290.00 CMS, AT 2.00 M (A.D), AT 6.00 HOURS, ON AUG 9, 1984

RUNOFF YIELD 60.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1510.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

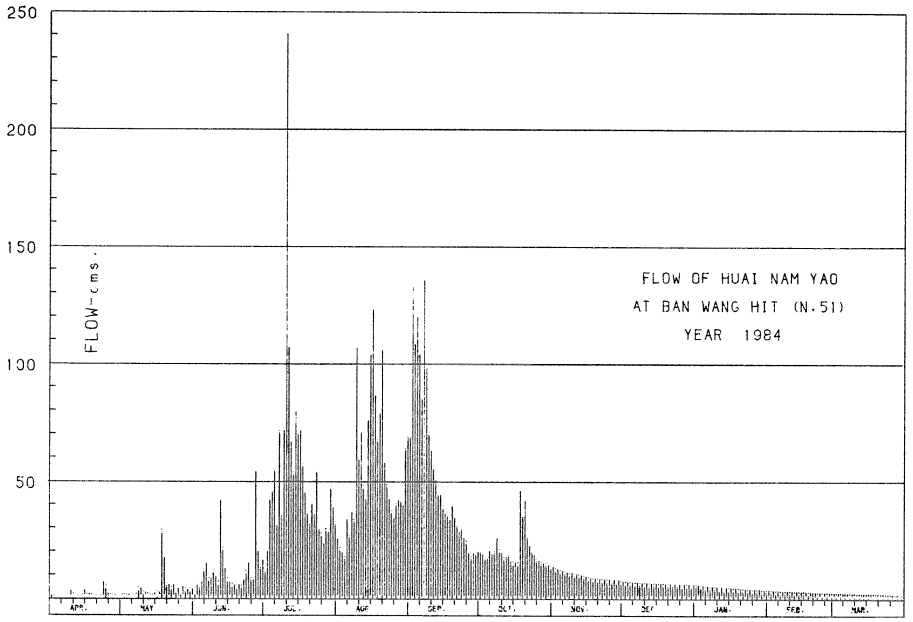
HUAI NAM YAO AT BAN WANG HIT, NAN (N.51)

LOCATION	LAT. 19-09-31 N., LONG. 100-46-56 E., ON RIGHT BANK BEHIND THE PHA TO TOBACCO HOUSE AT BAN WANG HIT, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	774 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+230.10 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 2 METERS UPSTREAM FROM MEASURING LINE.
ELEVATION	+237.344 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	230.79	230.84	230.93	231.31	231.70	232.68	231.59	231.36	231.13	231.05	230.94	230.87	
2	230.79	230.84	231.04	231.57	231.61	233.60	231.53	231.34	231.12	231.04	230.94	230.87	
3	230.79	230.83	231.06	232.13	231.55	233.28	231.50	231.33	231.11	231.04	230.93	230.87	
4	230.79	230.82	231.11	232.18	231.50	233.43	231.47	231.31	231.11	231.03	230.93	230.87	
5	230.78	230.80	231.32	232.39	231.91	233.22	231.61	231.30	231.11	231.02	230.93	230.86	
6	230.78	230.82	231.40	231.84	231.74	232.93	231.53	231.29	231.10	231.02	230.92	230.86	
7	230.78	230.86	231.20	232.71	231.98	233.64	231.57	231.28	231.10	231.01	230.92	230.86	
8	230.78	231.00	231.18	231.95	231.91	233.12	231.71	231.27	231.10	231.01	230.92	230.86	
9	230.92	230.97	231.32	232.73	233.24	232.70	231.59	231.27	231.09	231.01	230.92	230.86	
10	230.85	230.91	231.22	234.69	232.49	232.54	231.55	231.26	231.09	231.00	230.92	230.86	
11	230.80	230.88	231.12	233.26	232.70	232.41	231.49	231.26	231.09	231.00	230.91	230.85	
12	230.80	230.86	232.10	232.62	232.24	232.29	231.50	231.25	231.09	231.00	230.91	230.85	
13	230.80	230.84	231.61	232.36	232.11	232.17	231.55	231.24	231.08	230.99	230.91	230.85	
14	230.82	230.82	231.33	232.85	232.80	232.15	231.44	231.23	231.08	230.99	230.91	230.85	
15	230.93	230.86	231.19	232.70	233.20	232.05	231.43	231.22	231.08	230.99	230.91	230.85	
16	230.85	230.91	231.10	232.71	233.49	231.97	231.42	231.21	231.08	230.99	230.91	230.85	
17	230.84	230.88	231.08	232.43	232.95	231.98	231.42	231.20	231.08	230.98	230.90	230.85	
18	230.83	231.80	231.04	232.17	232.64	231.90	232.19	231.20	231.08	230.98	230.90	230.85	
19	230.81	231.48	231.05	231.99	232.83	232.07	231.96	231.19	231.07	230.98	230.90	230.84	
20	230.80	231.08	231.05	231.86	233.24	231.92	232.10	231.19	231.07	230.97	230.89	230.84	
21	230.80	231.05	231.04	232.09	232.44	231.86	231.74	231.18	231.07	230.97	230.89	230.84	
22	230.79	231.01	231.15	231.96	232.25	231.77	231.63	231.18	231.07	230.97	230.89	230.84	
23	231.10	231.05	231.30	232.38	232.11	231.83	231.58	231.17	231.07	230.96	230.88	230.83	
24	231.05	230.96	231.41	231.80	232.00	231.71	231.52	231.17	231.07	230.96	230.88	230.83	
25	230.85	230.96	231.20	231.77	231.92	231.68	231.47	231.17	231.06	230.95	230.88	230.83	
26	230.83	230.93	231.15	231.65	232.07	231.54	231.45	231.16	231.06	230.95	230.88	230.82	
27	230.82	231.01	232.39	231.81	232.10	231.50	231.43	231.16	231.06	230.95	230.87	230.82	
28	230.81	230.99	231.56	231.77	232.11	231.54	231.41	231.15	231.06	230.95	230.87	230.82	
29	230.80	230.94	231.38	232.23	232.05	231.55	231.41	231.15	231.06	230.94		230.81	
30	230.79	230.98	231.45	232.03	232.56	231.56	231.38	231.14	231.05	230.94		230.81	
31		230.95		231.88	232.66		231.37		231.05	230.94		230.81	
MEAN	230.83	230.97	231.28	232.25	232.33	232.29	231.57	231.23	231.08	230.99	230.91	230.84	
MAX	231.10	231.80	232.39	234.69	233.49	233.64	232.19	231.36	231.13	231.05	230.94	230.87	234.69
MIN	230.78	230.80	230.93	231.31	231.50	231.50	231.37	231.14	231.05	230.94	230.87	230.81	230.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 235.76 M (MSL), AT 12.00 HOURS, ON JUL 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 230.10 M (MSL), RIVER BED 229.97 M (MSL)
LEFT BANK ELEVATION 237.42 M (MSL)
RIGHT BANK ELEVATION 235.95 M (MSL), DRAINAGE AREA 774 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.35	2.10	3.60	12.30	25.50	70.00	21.15	13.80	7.60	6.00	3.80	2.55	
2	1.35	2.10	5.80	20.45	21.90	133.00	19.05	13.20	7.40	5.80	3.80	2.55	
3	1.35	1.95	6.20	43.35	19.75	109.60	18.00	12.90	7.20	5.80	3.60	2.55	
4	1.35	1.80	7.20	45.60	18.00	120.10	17.10	12.30	7.20	5.60	3.60	2.55	
5	1.20	1.50	12.60	55.50	33.90	105.40	21.90	12.00	7.20	5.40	3.60	2.40	
6	1.20	1.80	15.00	31.10	27.10	85.10	19.05	11.70	7.00	5.40	3.40	2.40	
7	1.20	2.40	9.00	71.60	36.70	136.60	20.45	11.40	7.00	5.20	3.40	2.40	
8	1.20	5.00	8.60	35.50	33.90	98.40	25.90	11.10	7.00	5.20	3.40	2.40	
9	3.40	4.40	12.60	72.80	106.80	71.00	21.15	11.10	6.80	5.20	3.40	2.40	
10	2.25	3.20	9.60	240.80	60.50	63.00	19.75	10.80	6.80	5.00	3.40	2.40	
11	1.50	2.70	7.40	108.20	71.00	56.50	17.70	10.80	6.80	5.00	3.20	2.25	
12	1.50	2.40	42.00	67.00	48.30	50.55	18.00	10.50	6.80	5.00	3.20	2.25	
13	1.50	2.10	21.90	54.00	42.45	45.15	19.75	10.20	6.60	4.80	3.20	2.25	
14	1.80	1.80	12.90	80.00	77.00	44.25	16.20	9.90	6.60	4.80	3.20	2.25	
15	3.60	2.40	8.80	71.00	104.00	39.75	15.90	9.60	6.60	4.80	3.20	2.25	
16	2.25	3.20	7.00	71.60	124.30	36.30	15.60	9.30	6.60	4.80	3.20	2.25	
17	2.10	2.70	6.60	57.50	86.50	36.70	15.60	9.00	6.60	4.60	3.00	2.25	
18	1.95	29.50	5.80	45.15	68.00	33.50	46.05	9.00	6.60	4.60	3.00	2.25	
19	1.65	17.40	6.00	37.10	78.80	40.65	35.90	8.80	6.40	4.60	3.00	2.10	
20	1.50	6.60	6.00	31.90	106.80	34.30	42.00	8.80	6.40	4.40	2.85	2.10	
21	1.50	6.00	5.80	41.55	58.00	31.90	27.10	8.60	6.40	4.40	2.85	2.10	
22	1.35	5.20	8.00	35.90	48.75	28.30	22.70	8.60	6.40	4.40	2.85	2.10	
23	7.00	6.00	12.00	55.00	42.45	30.70	20.80	8.40	6.40	4.20	2.70	1.95	
24	6.00	4.20	15.30	29.50	37.50	25.90	18.70	8.40	6.40	4.20	2.70	1.95	
25	2.25	4.20	9.00	28.30	34.30	24.70	17.10	8.40	6.20	4.00	2.70	1.95	
26	1.95	3.60	8.00	23.50	40.65	19.40	16.50	8.20	6.20	4.00	2.70	1.80	
27	1.80	5.20	55.50	29.90	42.00	18.00	15.90	8.20	6.20	4.00	2.55	1.80	
28	1.65	4.80	20.10	28.30	42.45	19.40	15.30	8.00	6.20	4.00	2.55	1.80	
29	1.50	3.80	14.40	47.85	39.75	19.75	15.30	8.00	6.20	3.80		1.65	
30	1.35	4.60	16.50	38.85	64.00	20.10	14.40	7.80	6.00	3.80		1.65	
31		4.00		32.70	69.00		14.10		6.00	3.80		1.65	
TOTAL	61.55	148.65	379.20	1643.80	1710.05	1648.00	644.10	298.80	205.80	146.60	88.05	67.20	7041.80 CMSDAY
MEAN	2.05	4.80	12.64	53.03	55.16	54.93	20.78	9.96	6.64	4.73	3.14	2.17	19.29 CMS
MAX	7.00	29.50	55.50	240.80	124.30	136.60	46.05	13.80	7.60	6.00	3.80	2.55	240.80 CMS
MIN	1.20	1.50	3.60	12.30	18.00	18.00	14.10	7.80	6.00	3.80	2.55	1.65	1.20 CMS
RUNOFF	5.318	12.843	32.763	142.024	147.748	142.387	55.650	25.816	17.781	12.666	7.608	5.806	608.412 MCM

MOMENTARY PEAK 380.40 CMS, AT 235.76 M (MSL), AT 12.00 HOURS, ON JUL 10, 1984
RUNOFF YIELD 24.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 491.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

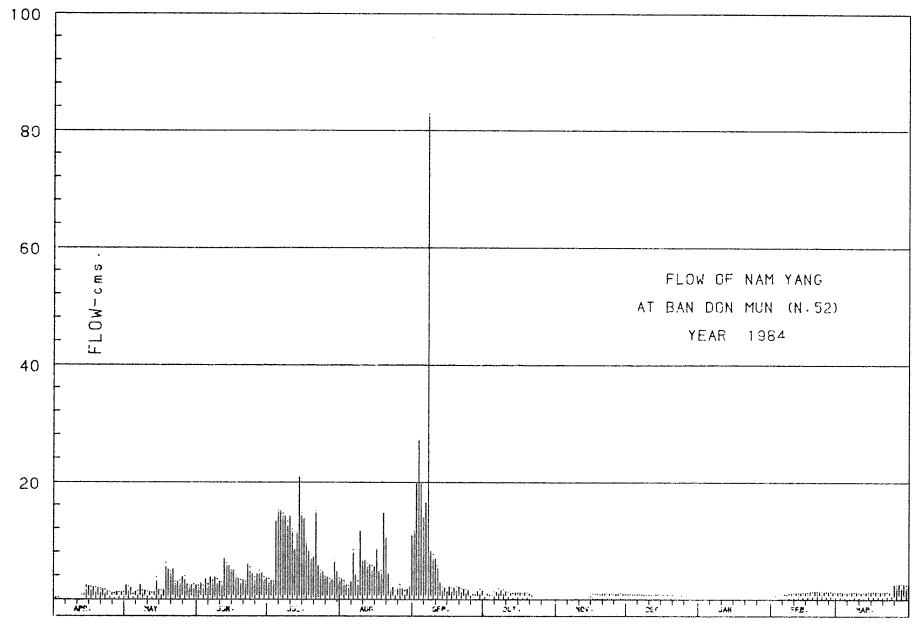
NAM YANG AT BAN DON MUN, NAN (N.52)

LOCATION	LAT. 19-05-08 N., LONG. 100-55-51 E., ON LEFT BANK AT THE BRIDGE OF PUA-BAN DU PHONG HIGHWAY, BAN DON MUN, TAMBON SILA PHET, AMPHOE PUA, NAN.
DRAINAGE AREA	49 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.063 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	0.59	0.59	0.67	0.67	0.99	0.47	0.34	0.44	0.40	0.42	0.47	
2	0.38	0.57	0.62	0.65	0.65	1.16	0.45	0.34	0.44	0.40	0.42	0.47	
3	0.38	0.55	0.59	0.64	0.60	1.28	0.43	0.34	0.44	0.40	0.42	0.47	
4	0.38	0.45	0.67	1.03	0.59	1.16	0.43	0.35	0.44	0.40	0.44	0.46	
5	0.38	0.48	0.61	1.08	0.64	1.06	0.49	0.34	0.44	0.41	0.43	0.46	
6	0.39	0.50	0.69	1.07	0.90	1.10	0.48	0.35	0.44	0.41	0.44	0.46	
7	0.40	0.60	0.65	1.06	0.71	1.77	0.54	0.36	0.44	0.42	0.44	0.47	
8	0.41	0.51	0.69	1.05	0.65	0.89	0.51	0.34	0.43	0.41	0.45	0.47	
9	0.40	0.50	0.67	1.03	0.99	0.87	0.53	0.33	0.43	0.41	0.45	0.47	
10	0.40	0.49	0.64	1.05	0.85	0.84	0.49	0.35	0.43	0.41	0.46	0.46	
11	0.41	0.48	0.63	1.00	0.83	0.79	0.48	0.34	0.43	0.40	0.46	0.46	
12	0.43	0.47	0.84	0.90	0.81	0.63	0.46	0.35	0.43	0.39	0.46	0.46	
13	0.45	0.48	0.81	0.99	0.80	0.57	0.46	0.35	0.44	0.39	0.46	0.47	
14	0.59	0.69	0.79	1.18	0.79	0.55	0.47	0.37	0.44	0.38	0.47	0.48	
15	0.58	0.52	0.75	1.06	0.78	0.57	0.47	0.41	0.43	0.38	0.47	0.48	
16	0.57	0.51	0.75	1.04	0.91	0.57	0.47	0.45	0.43	0.39	0.47	0.48	
17	0.56	0.51	0.71	0.94	0.74	0.56	0.46	0.45	0.43	0.40	0.48	0.48	
18	0.56	0.81	0.68	0.89	0.75	0.55	0.47	0.45	0.43	0.39	0.48	0.48	
19	0.55	0.76	0.66	0.87	1.06	0.57	0.47	0.44	0.43	0.39	0.49	0.47	
20	0.54	0.74	0.66	0.85	0.97	0.57	0.45	0.45	0.43	0.38	0.49	0.47	
21	0.53	0.76	0.64	1.07	0.72	0.55	0.42	0.45	0.43	0.38	0.48	0.48	
22	0.52	0.64	0.80	0.79	0.60	0.53	0.41	0.45	0.42	0.38	0.48	0.48	
23	0.49	0.64	0.78	0.75	0.56	0.53	0.40	0.45	0.42	0.37	0.48	0.47	
24	0.48	0.65	0.72	0.74	0.50	0.51	0.40	0.45	0.42	0.37	0.48	0.40	
25	0.47	0.69	0.69	0.70	0.53	0.49	0.40	0.44	0.42	0.38	0.48	0.60	
26	0.46	0.70	0.72	0.69	0.61	0.45	0.36	0.44	0.41	0.38	0.48	0.60	
27	0.48	0.61	0.75	0.67	0.54	0.44	0.33	0.45	0.41	0.39	0.47	0.61	
28	0.48	0.59	0.73	0.66	0.51	0.49	0.33	0.46	0.40	0.39	0.47	0.61	
29	0.48	0.60	0.69	0.84	0.53	0.53	0.35	0.45	0.40	0.40		0.61	
30	0.48	0.61	0.68	0.74	0.63	0.50	0.34	0.44	0.41	0.40		0.60	
31		0.60		0.68	0.97		0.34		0.41	0.41		0.60	
MEAN	0.47	0.59	0.70	0.88	0.72	0.74	0.44	0.40	0.43	0.39	0.46	0.50	
MAX	0.59	0.81	0.84	1.18	1.06	1.77	0.54	0.46	0.44	0.42	0.49	0.61	1.77
MIN	0.38	0.45	0.59	0.64	0.50	0.44	0.33	0.33	0.40	0.37	0.42	0.40	0.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.00 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 3.96 M (A.D)
RIGHT BANK ELEVATION 3.75 M (A.D), DRAINAGE AREA 49 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	2.40	2.40	3.55	3.55	11.65	1.20	0.20	0.90	0.50	0.70	1.20	
2	0.40	2.20	2.80	3.25	3.25	19.80	1.00	0.20	0.90	0.50	0.70	1.20	
3	0.40	2.00	2.40	3.10	2.50	27.60	0.80	0.20	0.90	0.50	0.70	1.20	
4	0.40	1.00	3.55	13.35	2.40	19.80	0.80	0.25	0.90	0.50	0.90	1.10	
5	0.40	1.30	2.65	15.60	3.10	14.70	1.40	0.20	0.90	0.60	0.80	1.10	
6	0.45	1.50	3.85	15.15	8.50	16.50	1.30	0.25	0.90	0.60	0.90	1.10	
7	0.50	2.50	3.25	14.70	4.20	82.80	1.90	0.30	0.90	0.70	0.90	1.20	
8	0.60	1.60	3.85	14.25	3.25	8.25	1.60	0.20	0.80	0.60	1.00	1.20	
9	0.50	1.50	3.55	13.35	11.65	7.75	1.80	0.15	0.80	0.60	1.00	1.20	
10	0.50	1.40	3.10	14.25	7.25	7.00	1.40	0.25	0.80	0.60	1.10	1.10	
11	0.60	1.30	2.95	12.00	6.75	5.80	1.30	0.20	0.80	0.50	1.10	1.10	
12	0.80	1.20	7.00	8.50	6.25	2.95	1.10	0.25	0.80	0.45	1.10	1.10	
13	1.00	1.30	6.25	11.65	6.00	2.20	1.10	0.25	0.90	0.45	1.10	1.20	
14	2.40	3.85	5.80	20.90	5.80	2.00	1.20	0.35	0.90	0.40	1.20	1.30	
15	2.30	1.70	5.00	14.70	5.60	2.20	1.20	0.60	0.80	0.40	1.20	1.30	
16	2.20	1.60	5.00	13.80	8.85	2.20	1.20	1.00	0.80	0.45	1.20	1.30	
17	2.10	1.60	4.20	9.90	4.80	2.10	1.10	1.00	0.80	0.50	1.30	1.30	
18	2.10	6.25	3.70	8.25	5.00	2.00	1.20	1.00	0.80	0.45	1.30	1.30	
19	2.00	5.20	3.40	7.75	14.70	2.20	1.20	0.90	0.80	0.45	1.40	1.20	
20	1.90	4.80	3.40	7.25	10.95	2.20	1.00	1.00	0.80	0.40	1.40	1.20	
21	1.80	5.20	3.10	15.15	4.40	2.00	0.70	1.00	0.80	0.40	1.30	1.30	
22	1.70	3.10	6.00	5.80	2.50	1.80	0.60	1.00	0.70	0.40	1.30	1.30	
23	1.40	3.10	5.60	5.00	2.10	1.80	0.50	1.00	0.70	0.35	1.30	1.20	
24	1.30	3.25	4.40	4.80	1.50	1.60	0.50	1.00	0.70	0.35	1.30	0.50	
25	1.20	3.85	3.85	4.00	1.80	1.40	0.50	0.90	0.70	0.40	1.30	2.50	
26	1.10	4.00	4.40	3.85	2.65	1.00	0.30	0.90	0.60	0.40	1.30	2.50	
27	1.30	2.65	5.00	3.55	1.90	0.90	0.15	1.00	0.60	0.45	1.20	2.65	
28	1.30	2.40	4.60	3.40	1.60	1.40	0.15	1.10	0.50	0.45	1.20	2.65	
29	1.30	2.50	3.85	7.00	1.80	1.80	0.25	1.00	0.50	0.50		2.65	
30	1.30	2.65	3.70	4.80	2.95	1.50	0.20	0.90	0.60	0.50		2.50	
31		2.50		3.70	10.95		0.20		0.60	0.60		2.50	
TOTAL	35.70	81.40	122.60	286.30	158.50	256.90	28.85	18.55	23.90	14.95	31.20	46.15	1105.00 CMSDAY
MEAN	1.19	2.63	4.09	9.24	5.11	8.56	0.93	0.62	0.77	0.48	1.11	1.49	3.03 CMS
MAX	2.40	6.25	7.00	20.90	14.70	82.80	1.90	1.10	0.90	0.70	1.40	2.65	82.80 CMS
MIN	0.40	1.00	2.40	3.10	1.50	0.90	0.15	0.15	0.50	0.35	0.70	0.50	0.15 CMS
RUNOFF	3.084	7.033	10.593	24.736	13.694	22.196	2.493	1.603	2.065	1.292	2.696	3.987	95.472 MCM

MOMENTARY PEAK 410.00 CMS, AT 3.00 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984
RUNOFF YIELD 61.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 8367.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAN RIVER BASIN

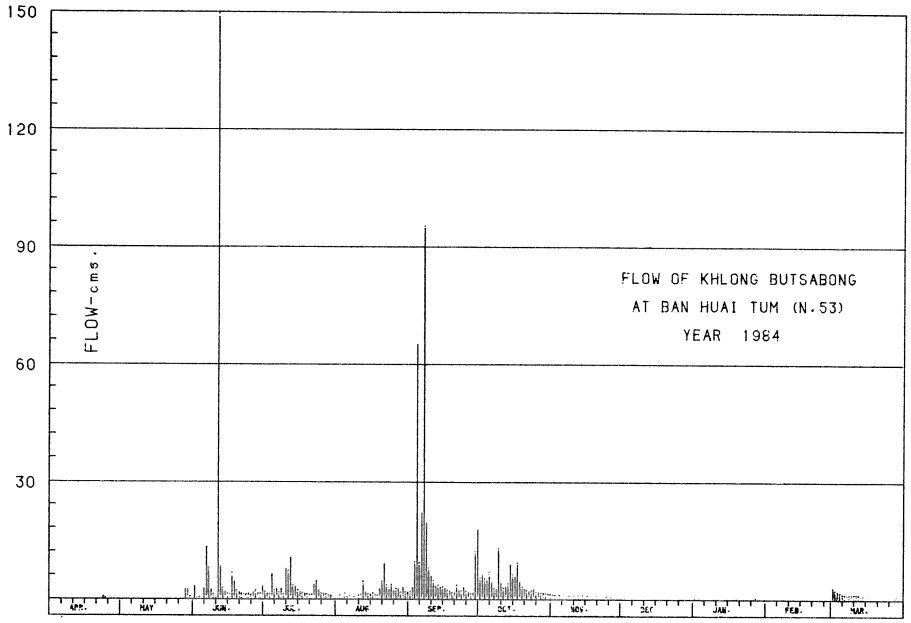
KHLONG BUTSABONG AT BAN HUAI TUM, PHETCHABUN (N.53)

LOCATION	LAT. 16-11-26 N., LONG. 100-55-40 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY AT BAN HUAI TUM, AMPHOE CHON DAN, PHETCHABUN.
DRAINAGE AREA	111 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.713 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.43	0.95	0.81	0.68	0.81	1.03	0.72	0.62	0.54	0.47	0.88	
2	0.46	0.42	0.69	0.75	0.70	0.88	1.06	0.71	0.61	0.53	0.47	0.84	
3	0.45	0.42	0.62	0.73	0.68	1.20	1.02	0.70	0.61	0.52	0.47	0.82	
4	0.44	0.41	0.61	1.07	0.76	2.18	1.00	0.70	0.60	0.51	0.47	0.79	
5	0.43	0.40	0.93	0.84	0.69	1.19	1.10	0.69	0.60	0.51	0.46	0.75	
6	0.42	0.39	1.31	0.86	0.66	1.52	0.97	0.69	0.60	0.50	0.46	0.73	
7	0.41	0.38	1.14	0.79	0.66	2.49	0.87	0.69	0.59	0.50	0.46	0.71	
8	0.39	0.37	0.84	0.86	0.65	1.46	0.85	0.68	0.59	0.50	0.45	0.72	
9	0.38	0.36	0.74	0.74	0.66	1.14	1.30	0.68	0.59	0.50	0.45	0.72	
10	0.38	0.35	0.68	1.13	0.70	1.05	0.96	0.68	0.58	0.50	0.45	0.73	
11	0.38	0.34	2.91	1.11	0.73	1.00	0.88	0.68	0.58	0.49	0.44	0.73	
12	0.38	0.34	1.15	1.23	0.99	0.91	0.89	0.69	0.58	0.49	0.44	0.72	
13	0.42	0.35	0.88	0.93	0.79	0.93	0.95	0.68	0.58	0.49	0.44	0.70	
14	0.41	0.38	0.80	0.90	0.75	0.89	1.17	0.70	0.57	0.49	0.43	0.68	
15	0.40	0.40	0.76	0.84	0.73	0.90	1.07	0.69	0.57	0.48	0.43	0.68	
16	0.40	0.40	0.73	0.80	0.78	0.87	1.04	0.68	0.57	0.48	0.42	0.67	
17	0.39	0.40	1.09	0.78	0.72	0.84	1.19	0.68	0.56	0.48	0.42	0.66	
18	0.39	0.39	0.98	0.75	0.70	0.82	0.98	0.67	0.56	0.48	0.41	0.65	
19	0.40	0.43	0.83	0.74	0.86	0.80	0.90	0.67	0.56	0.48	0.41	0.64	
20	0.40	0.42	0.78	0.72	0.99	0.78	0.86	0.67	0.55	0.48	0.40	0.64	
21	0.40	0.40	0.76	0.73	1.18	0.93	0.84	0.66	0.57	0.47	0.40	0.63	
22	0.41	0.40	0.73	0.93	0.93	0.82	0.81	0.66	0.56	0.47	0.40	0.63	
23	0.65	0.47	0.73	0.99	0.84	0.83	0.83	0.65	0.56	0.47	0.40	0.63	
24	0.58	0.43	0.75	0.83	0.94	0.88	0.85	0.65	0.55	0.46	0.42	0.62	
25	0.51	0.43	0.71	0.77	0.82	0.82	0.80	0.65	0.55	0.46	0.40	0.62	
26	0.50	0.41	0.78	0.75	0.87	0.78	0.79	0.64	0.55	0.54	0.40	0.61	
27	0.50	0.57	0.84	0.74	0.86	0.76	0.78	0.64	0.54	0.55	0.40	0.62	
28	0.48	0.89	0.76	0.71	0.80	0.78	0.77	0.63	0.53	0.54	0.40	0.60	
29	0.44	0.84	0.76	0.69	0.88	1.28	0.76	0.63	0.53	0.52		0.60	
30	0.44	0.65	0.90	0.69	0.81	1.42	0.75	0.62	0.53	0.50		0.57	
31		0.61		0.68	0.79		0.73		0.54	0.48		0.60	
MEAN	0.44	0.45	0.90	0.84	0.79	1.07	0.93	0.67	0.57	0.50	0.43	0.68	
MAX	0.65	0.89	2.91	1.23	1.18	2.49	1.30	0.72	0.62	0.55	0.47	0.88	2.91
MIN	0.38	0.34	0.61	0.68	0.65	0.76	0.73	0.62	0.53	0.46	0.40	0.57	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.80 M (A.D), AT 15.00 HOURS, ON JUN 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.18 M (A.D)
LEFT BANK ELEVATION 5.14 M (A.D)
RIGHT BANK ELEVATION 7.73 M (A.D), DRAINAGE AREA 111 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.08	4.00	1.94	0.88	1.94	5.46	1.16	0.52	0.25	0.12	2.92	
2	0.11	0.07	0.94	1.40	1.00	2.92	6.12	1.08	0.46	0.22	0.12	2.36	
3	0.10	0.07	0.52	1.24	0.88	9.60	5.24	1.00	0.46	0.20	0.12	2.08	
4	0.09	0.06	0.46	6.34	1.48	65.20	4.80	1.00	0.40	0.17	0.12	1.72	
5	0.08	0.05	3.68	2.36	0.94	9.34	7.00	0.94	0.40	0.17	0.11	1.40	
6	0.07	0.04	13.40	2.64	0.76	22.16	4.32	0.94	0.40	0.15	0.11	1.24	
7	0.06	0.04	8.04	1.72	0.76	95.36	2.78	0.94	0.37	0.15	0.11	1.08	
8	0.04	0.04	2.36	2.64	0.70	19.52	2.50	0.88	0.37	0.15	0.10	1.16	
9	0.04	0.03	1.32	1.32	0.76	8.04	13.00	0.88	0.37	0.15	0.10	1.16	
10	0.04	0.02	0.88	7.78	1.00	5.90	4.16	0.88	0.35	0.15	0.10	1.24	
11	0.04	0.02	149.50	7.26	1.24	4.80	2.92	0.88	0.35	0.14	0.09	1.24	
12	0.04	0.02	8.30	10.62	4.64	3.36	3.06	0.94	0.35	0.14	0.09	1.16	
13	0.07	0.02	2.92	3.68	1.72	3.68	4.00	0.88	0.35	0.14	0.09	1.00	
14	0.06	0.04	1.80	3.20	1.40	3.06	8.82	1.00	0.32	0.14	0.08	0.88	
15	0.05	0.05	1.48	2.36	1.24	3.20	6.34	0.94	0.32	0.13	0.08	0.88	
16	0.05	0.05	1.24	1.80	1.64	2.78	5.68	0.88	0.32	0.13	0.07	0.82	
17	0.04	0.05	6.78	1.64	1.16	2.36	9.34	0.88	0.30	0.13	0.07	0.76	
18	0.04	0.04	4.48	1.40	1.00	2.08	4.48	0.82	0.30	0.13	0.06	0.70	
19	0.05	0.08	2.22	1.32	2.64	1.80	3.20	0.82	0.30	0.13	0.06	0.64	
20	0.05	0.07	1.64	1.16	4.64	1.64	2.64	0.82	0.28	0.13	0.05	0.64	
21	0.05	0.05	1.48	1.24	9.08	3.68	2.36	0.76	0.32	0.12	0.05	0.58	
22	0.06	0.05	1.24	3.68	3.68	2.08	1.94	0.76	0.30	0.12	0.05	0.58	
23	0.70	0.12	1.24	4.64	2.36	2.22	2.22	0.70	0.30	0.12	0.05	0.58	
24	0.35	0.08	1.40	2.22	3.84	2.92	2.50	0.70	0.28	0.11	0.07	0.52	
25	0.17	0.08	1.08	1.56	2.08	2.08	1.80	0.70	0.28	0.11	0.05	0.52	
26	0.15	0.06	1.64	1.40	2.78	1.64	1.72	0.64	0.28	0.25	0.05	0.46	
27	0.15	0.32	2.36	1.32	2.64	1.48	1.64	0.64	0.25	0.28	0.05	0.52	
28	0.13	3.06	1.48	1.08	1.80	1.64	1.56	0.58	0.22	0.25	0.05	0.40	
29	0.09	2.36	1.48	0.94	2.92	12.32	1.48	0.58	0.22	0.20		0.40	
30	0.09	0.70	3.20	0.94	1.94	17.84	1.40	0.52	0.22	0.15		0.32	
31		0.46		0.88	1.72		1.24		0.25	0.13		0.40	
TOTAL	3.18	8.28	232.56	83.72	65.32	316.64	125.72	25.14	10.21	4.94	2.27	30.36	908.34 CMSDAY
MEAN	0.11	0.27	7.75	2.70	2.11	10.55	4.06	0.84	0.33	0.16	0.08	0.98	2.49 CMS
MAX	0.70	3.06	149.50	10.62	9.08	95.36	13.00	1.16	0.52	0.28	0.12	2.92	149.50 CMS
MIN	0.04	0.02	0.46	0.88	0.70	1.48	1.24	0.52	0.22	0.11	0.05	0.32	0.02 CMS
RUNOFF	0.275	0.715	20.093	7.233	5.644	27.358	10.862	2.172	0.882	0.427	0.196	2.623	78.481 MCM

MOMENTARY PEAK 570.00 CMS, AT 4.80 M (A.D), AT 15.00 HOURS, ON JUN 11, 1984

RUNOFF YIELD 22.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 5135.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHAO PHRAYA RIVER BASIN

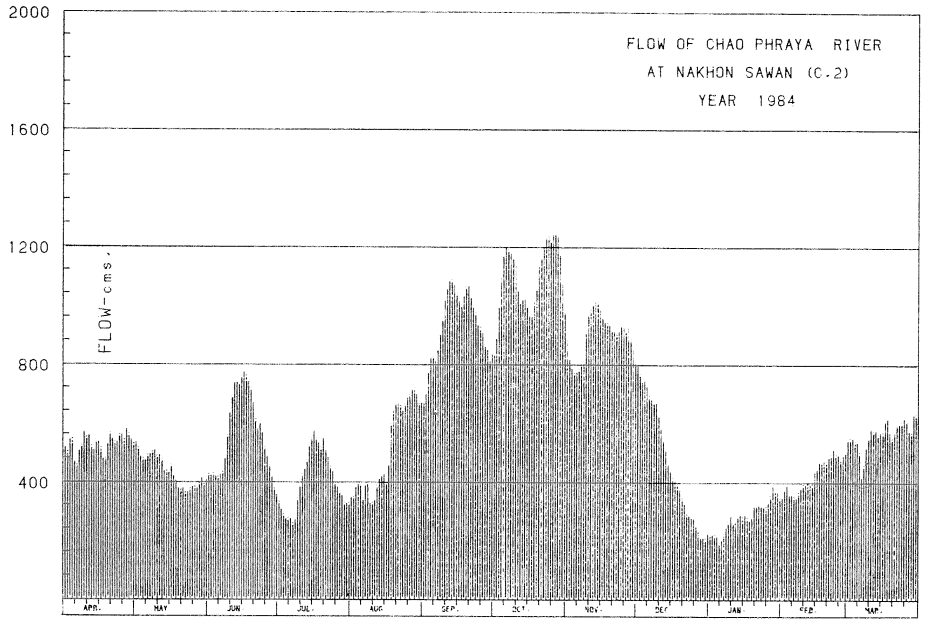
CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION	LAT. 15-40-15 N., LONG. 100-06-45 E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.
DRAINAGE AREA	110,569 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 20 METERS WEST OF THE GAGE SITE.
ELEVATION	+25.628 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1914 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 162 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.66	19.73	19.32	18.90	18.97	20.20	20.73	20.88	20.62	18.35	18.97	19.75	
2	19.61	19.66	19.30	18.78	18.98	20.28	20.88	20.69	20.51	18.32	19.13	19.78	
3	19.76	19.55	19.33	18.70	19.12	20.54	21.20	20.57	20.42	18.32	19.15	19.78	
4	19.77	19.53	19.29	18.62	19.20	20.68	21.47	20.52	20.46	18.28	19.04	19.75	
5	19.48	19.50	19.28	18.64	19.14	20.70	21.69	20.53	20.37	18.17	19.01	19.73	
6	19.45	19.57	19.31	18.63	18.95	20.65	21.75	20.57	20.26	18.21	18.98	19.61	
7	19.62	19.58	19.35	18.54	19.14	20.79	21.74	20.60	20.22	18.35	18.96	19.27	
8	19.69	19.61	19.52	18.60	19.20	20.92	21.70	20.65	20.20	18.46	19.05	19.45	
9	19.85	19.63	19.81	18.95	18.88	21.07	21.67	20.93	20.18	18.58	19.10	19.66	
10	19.79	19.56	20.06	19.12	18.89	21.25	21.59	21.12	20.05	18.67	19.17	19.80	
11	19.81	19.57	20.26	19.32	18.92	21.39	21.36	21.18	19.89	18.58	19.17	19.89	
12	19.68	19.52	20.41	19.39	19.15	21.44	21.22	21.22	19.77	18.56	19.18	19.87	
13	19.63	19.37	20.44	19.51	19.25	21.45	21.28	21.24	19.63	18.69	19.17	19.87	
14	19.76	19.37	20.38	19.67	19.32	21.40	21.26	21.24	19.48	18.69	19.17	19.83	
15	19.73	19.34	20.49	19.78	19.32	21.32	21.20	21.16	19.36	18.66	19.36	19.85	
16	19.66	19.45	20.53	19.86	19.19	21.24	21.10	21.10	19.26	18.69	19.43	19.85	
17	19.52	19.29	20.49	19.78	19.44	21.21	21.12	21.04	19.23	18.65	19.48	19.97	
18	19.53	19.22	20.42	19.72	19.94	21.29	21.24	21.03	19.18	18.59	19.50	20.03	
19	19.70	19.10	20.35	19.66	20.09	21.39	21.37	21.01	19.08	18.68	19.50	19.85	
20	19.84	19.08	20.18	19.77	20.19	21.39	21.58	20.97	19.00	18.83	19.50	19.78	
21	19.77	19.10	19.99	19.65	20.18	21.29	21.67	20.96	18.87	18.87	19.54	19.85	
22	19.73	19.04	19.88	19.54	20.15	21.18	21.76	20.92	18.75	18.85	19.58	19.95	
23	19.73	19.05	19.97	19.43	20.09	21.13	21.86	20.95	18.68	18.87	19.64	19.94	
24	19.82	19.10	19.84	19.36	20.17	21.01	21.87	21.02	18.68	18.82	19.58	19.97	
25	19.82	19.13	19.67	19.19	20.24	20.99	21.82	20.99	18.63	18.83	19.57	20.01	
26	19.76	19.13	19.55	19.13	20.28	20.93	21.87	20.97	18.52	18.89	19.54	20.00	
27	19.88	19.10	19.45	19.06	20.33	20.82	21.89	20.99	18.42	19.00	19.58	19.86	
28	19.83	19.18	19.27	19.00	20.35	20.77	21.85	20.88	18.32	19.14	19.62	19.85	
29	19.76	19.26	19.10	18.89	20.28	20.67	21.70	20.77	18.26	19.09		20.05	
30	19.71	19.17	19.01	18.88	20.20	20.72	21.41	20.65	18.25	19.05		20.06	
31		19.23		18.89	20.18		21.15		18.33	18.96		20.03	
MEAN	19.71	19.35	19.81	19.19	19.60	21.00	21.48	20.91	19.38	18.67	19.31	19.84	
MAX	19.88	19.73	20.53	19.86	20.35	21.45	21.89	21.24	20.62	19.14	19.64	20.06	21.89
MIN	19.45	19.04	19.01	18.54	18.88	20.20	20.73	20.52	18.25	18.17	18.96	19.27	18.17

ANNUAL MAX MOMENTARY GAGE HEIGHT 21.92 M (MSL), AT 16.00 HOURS, ON OCT 27, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 110569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	517.	536.	427.	333.	348.	675.	837.	888.	802.	226.	348.	541.	
2	503.	517.	422.	306.	351.	699.	888.	824.	768.	221.	384.	550.	
3	544.	486.	429.	290.	382.	777.	1000.	786.	741.	221.	389.	550.	
4	547.	481.	420.	274.	400.	821.	1094.	771.	753.	214.	364.	541.	
5	467.	473.	418.	278.	387.	828.	1174.	774.	726.	195.	357.	536.	
6	459.	492.	425.	276.	344.	811.	1196.	786.	693.	202.	351.	503.	
7	506.	495.	434.	260.	387.	857.	1192.	795.	681.	226.	346.	416.	
8	525.	503.	478.	270.	400.	902.	1178.	811.	675.	245.	366.	459.	
9	570.	508.	558.	344.	328.	955.	1166.	906.	669.	266.	378.	517.	
10	552.	489.	633.	382.	330.	1018.	1137.	972.	630.	284.	393.	555.	
11	558.	492.	693.	427.	337.	1066.	1056.	993.	582.	266.	393.	582.	
12	522.	478.	738.	443.	389.	1084.	1007.	1007.	547.	263.	396.	576.	
13	508.	438.	747.	475.	411.	1088.	1028.	1014.	508.	288.	393.	576.	
14	544.	438.	729.	519.	427.	1070.	1021.	1014.	467.	288.	393.	564.	
15	536.	432.	762.	550.	427.	1042.	1000.	986.	436.	282.	436.	570.	
16	517.	459.	774.	573.	398.	1014.	965.	965.	414.	288.	453.	570.	
17	478.	420.	762.	550.	456.	1003.	972.	944.	407.	280.	467.	606.	
18	481.	404.	741.	533.	597.	1032.	1014.	941.	396.	268.	473.	624.	
19	528.	378.	720.	517.	642.	1066.	1060.	934.	373.	286.	473.	570.	
20	567.	373.	669.	547.	672.	1066.	1133.	919.	355.	317.	473.	550.	
21	547.	378.	612.	514.	669.	1032.	1166.	916.	326.	326.	484.	570.	
22	536.	364.	579.	484.	660.	993.	1200.	902.	300.	321.	495.	600.	
23	536.	366.	606.	453.	642.	975.	1238.	913.	286.	326.	511.	597.	
24	561.	378.	567.	436.	666.	934.	1241.	937.	286.	315.	495.	606.	
25	561.	384.	519.	398.	687.	927.	1222.	927.	276.	317.	492.	618.	
26	544.	384.	486.	384.	699.	906.	1241.	919.	256.	330.	484.	615.	
27	579.	378.	459.	369.	714.	867.	1249.	927.	238.	355.	495.	573.	
28	564.	396.	416.	355.	720.	850.	1234.	888.	221.	387.	506.	570.	
29	544.	414.	378.	330.	699.	818.	1178.	850.	210.	375.		630.	
30	530.	393.	357.	328.	675.	834.	1073.	811.	209.	366.		633.	
31		407.		330.	669.		982.		223.	346.		624.	
TOTAL	15931.	13534.	16958.	12528.	15913.	28010.	34142.	27020.	14454.	8890.	11988.	17592.	216960. CMSDAY
MEAN	531.	437.	565.	404.	513.	934.	1101.	901.	466.	287.	428.	567.	594. CMS
MAX	579.	536.	774.	573.	720.	1088.	1249.	1014.	802.	387.	511.	633.	1249. CMS
MIN	459.	364.	357.	260.	328.	675.	837.	771.	209.	195.	346.	416.	195. CMS
RUNOFF	1376.4	1169.3	1465.2	1082.4	1374.9	2420.1	2949.9	2334.5	1248.8	768.1	1035.8	1519.9	18745.3 MCM

MOMENTARY PEAK 1260.00 CMS, AT 21.92 M (MSL), AT 16.00 HOURS, ON OCT 27, 1984

RUNOFF YIELD 5.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.40 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHAO PHRAYA RIVER BASIN

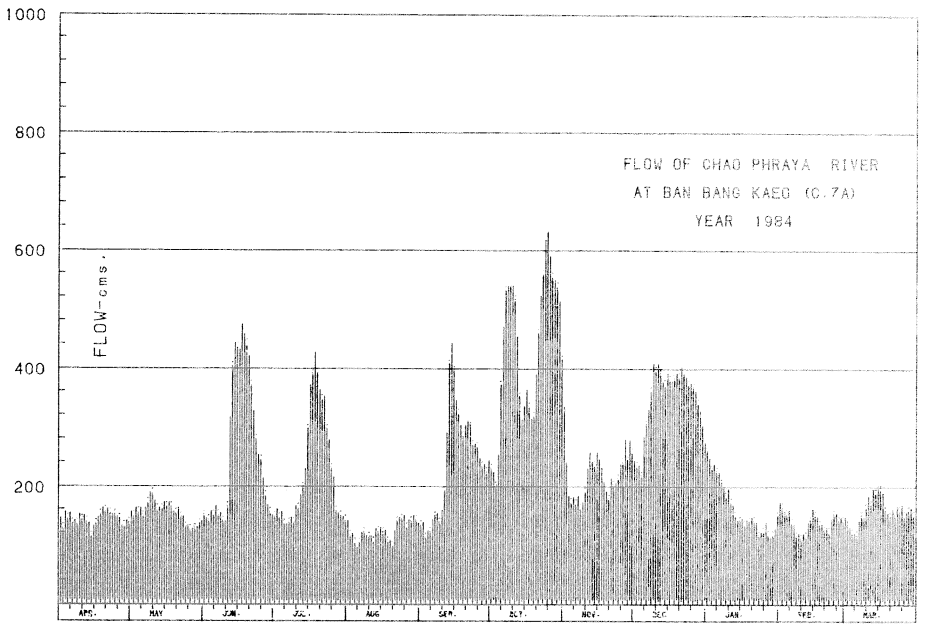
CHAO PHRAYA RIVER AT BAN BANG KAEO, ANG THONG (C.7A)

LOCATION	LAT. 14-35-05 N., LONG. 100-27-12 E., ON LEFT BANK ABOUT 40 METERS DOWNSTREAM FROM ANG THONG BRIDGE, BAN BANG KAEO, AMPHOE MUANG, ANG THONG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 21 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.15 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1979, 1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1979, 1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 159 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.67	0.68	0.67	0.59	0.59	1.09	1.55	1.12	1.23	0.76	0.62	
2	0.55	0.67	0.61	0.70	0.48	0.57	1.02	1.13	1.11	1.14	0.76	0.59	
3	0.67	0.71	0.64	0.66	0.45	0.45	0.94	0.82	1.08	1.08	0.68	0.52	
4	0.65	0.71	0.68	0.67	0.40	0.48	1.17	0.80	1.02	1.09	0.69	0.50	
5	0.66	0.71	0.68	0.60	0.30	0.52	1.75	0.81	1.32	1.06	0.69	0.45	
6	0.60	0.67	0.73	0.55	0.40	0.60	2.16	0.79	1.44	1.02	0.61	0.48	
7	0.59	0.71	0.69	0.61	0.46	0.67	2.44	0.82	1.53	0.96	0.55	0.59	
8	0.60	0.80	0.66	0.62	0.51	0.66	2.45	0.75	1.70	0.90	0.47	0.68	
9	0.65	0.85	0.62	0.61	0.43	0.61	2.48	0.76	1.88	0.85	0.45	0.62	
10	0.64	0.88	0.58	0.73	0.46	0.69	2.45	0.89	1.86	0.88	0.44	0.75	
11	0.64	0.78	0.76	0.75	0.43	0.90	2.38	1.05	1.88	0.80	0.45	0.82	
12	0.62	0.74	1.47	0.83	0.41	1.35	2.09	1.22	1.83	0.74	0.47	0.78	
13	0.56	0.71	1.89	0.93	0.50	1.91	1.66	1.11	1.74	0.67	0.57	0.88	
14	0.46	0.74	2.04	1.05	0.52	2.04	1.45	1.11	1.76	0.59	0.63	0.88	
15	0.53	0.76	2.04	1.41	0.51	1.86	1.59	1.19	1.81	0.63	0.70	0.91	
16	0.60	0.76	1.99	1.72	0.51	1.60	1.68	1.18	1.79	0.61	0.68	0.91	
17	0.62	0.76	2.20	1.83	0.49	1.53	1.58	1.06	1.75	0.59	0.63	0.85	
18	0.69	0.76	2.11	1.97	0.41	1.41	1.46	0.98	1.80	0.60	0.59	0.72	
19	0.71	0.67	2.07	1.84	0.38	1.36	1.51	0.86	1.81	0.62	0.55	0.66	
20	0.72	0.70	1.94	1.68	0.37	1.41	1.80	0.83	1.81	0.62	0.53	0.67	
21	0.70	0.71	1.75	1.64	0.48	1.48	2.14	0.97	1.86	0.62	0.52	0.70	
22	0.70	0.66	1.52	1.63	0.62	1.43	2.38	0.95	1.84	0.57	0.52	0.69	
23	0.65	0.63	1.33	1.41	0.62	1.29	2.56	0.93	1.78	0.47	0.61	0.73	
24	0.69	0.56	1.17	1.29	0.65	1.26	2.78	1.00	1.75	0.46	0.69	0.72	
25	0.63	0.54	1.16	1.09	0.64	1.27	2.87	1.09	1.73	0.52	0.66	0.74	
26	0.65	0.54	0.97	0.98	0.56	1.14	2.66	1.14	1.73	0.57	0.63	0.68	
27	0.53	0.50	0.86	0.72	0.60	1.11	2.54	1.30	1.67	0.48	0.62	0.67	
28	0.58	0.55	0.74	0.66	0.63	1.09	2.49	1.15	1.61	0.41	0.62	0.72	
29	0.59	0.52	0.71	0.68	0.64	1.06	2.47	1.29	1.52	0.48		0.71	
30	0.61	0.60	0.64	0.63	0.64	1.12	2.34	1.22	1.44	0.50		0.68	
31		0.58		0.64	0.56		1.94		1.27	0.67		0.72	
MEAN	0.62	0.68	1.20	1.03	0.50	1.12	2.01	1.02	1.62	0.72	0.60	0.70	
MAX	0.72	0.88	2.20	1.97	0.65	2.04	2.87	1.55	1.88	1.23	0.76	0.91	2.87
MIN	0.46	0.50	0.58	0.55	0.30	0.45	0.94	0.75	1.02	0.41	0.44	0.45	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.90 M (MSL), AT 8.00 HOURS, ON OCT 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED -6.84 M (MSL)
LEFT BANK ELEVATION 6.81 M (MSL)
RIGHT BANK ELEVATION 6.29 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	146.	157.	158.	157.	142.	142.	238.	335.	244.	266.	173.	148.	
2	136.	157.	146.	162.	125.	139.	224.	246.	242.	248.	173.	142.	
3	157.	164.	151.	155.	120.	120.	208.	184.	236.	236.	158.	131.	
4	153.	164.	158.	157.	112.	125.	254.	180.	224.	238.	160.	128.	
5	155.	164.	158.	144.	96.	131.	379.	182.	284.	232.	160.	120.	
6	144.	157.	167.	136.	112.	144.	470.	178.	311.	224.	146.	125.	
7	142.	164.	160.	146.	122.	157.	538.	184.	331.	212.	136.	142.	
8	144.	180.	155.	148.	130.	155.	540.	171.	368.	200.	123.	158.	
9	153.	190.	148.	146.	117.	146.	547.	173.	408.	190.	120.	148.	
10	151.	196.	141.	167.	122.	160.	540.	198.	403.	196.	118.	171.	
11	151.	176.	173.	171.	117.	200.	523.	230.	408.	180.	120.	184.	
12	148.	169.	317.	186.	114.	291.	454.	264.	397.	169.	123.	176.	
13	138.	164.	410.	206.	128.	414.	359.	242.	377.	157.	139.	196.	
14	122.	169.	443.	230.	131.	443.	313.	242.	381.	142.	149.	196.	
15	133.	173.	443.	304.	130.	403.	344.	258.	392.	149.	162.	202.	
16	144.	173.	432.	372.	130.	346.	364.	256.	388.	146.	158.	202.	
17	148.	173.	480.	397.	126.	331.	342.	232.	379.	142.	149.	190.	
18	160.	173.	458.	427.	114.	304.	315.	216.	390.	144.	142.	166.	
19	164.	157.	449.	399.	109.	293.	326.	192.	392.	148.	136.	155.	
20	166.	162.	421.	364.	107.	304.	390.	186.	392.	148.	133.	157.	
21	162.	164.	379.	355.	125.	320.	466.	214.	403.	148.	131.	162.	
22	162.	155.	328.	353.	148.	309.	523.	210.	399.	139.	131.	160.	
23	153.	149.	287.	304.	148.	278.	566.	206.	386.	123.	146.	167.	
24	160.	138.	254.	278.	153.	272.	619.	220.	379.	122.	160.	166.	
25	149.	134.	252.	238.	151.	274.	641.	238.	375.	131.	155.	169.	
26	153.	134.	214.	216.	138.	248.	590.	248.	375.	139.	149.	158.	
27	133.	128.	192.	166.	144.	242.	562.	280.	361.	125.	148.	157.	
28	141.	136.	169.	155.	149.	238.	550.	250.	348.	114.	148.	166.	
29	142.	131.	164.	158.	151.	232.	545.	278.	328.	125.		164.	
30	146.	144.	151.	149.	151.	244.	514.	264.	311.	128.		158.	
31		141.		151.	138.		421.		274.	157.		166.	
TOTAL	4456.	4936.	7958.	7097.	4000.	7405.	13665.	6757.	10886.	5218.	4046.	5030.	81454. CMSDAY
MEAN	149.	159.	265.	229.	129.	247.	441.	225.	351.	168.	145.	162.	223. CMS
MAX	166.	196.	480.	427.	153.	443.	641.	335.	408.	266.	173.	202.	641. CMS
MIN	122.	128.	141.	136.	96.	120.	208.	171.	224.	114.	118.	120.	96. CMS
RUNOFF	385.0	426.5	687.6	613.2	345.6	639.8	1180.7	583.8	940.6	450.8	349.6	434.6	7037.6 MCM

MOMENTARY PEAK 648.00 CMS, AT 2.90 M (MSL), AT 8.00 HOURS, ON OCT 25, 1984

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

WATER YEAR 1984

CHAO PHRAYA RIVER BASIN

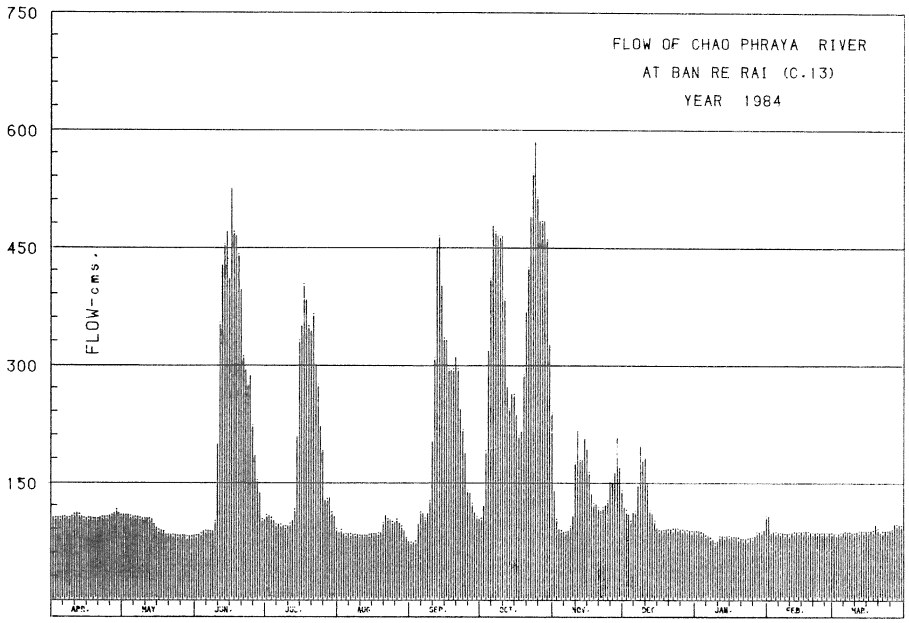
CHAO PHRAYA RIVER AT BAN RE RAI, CHAI NAT (C.13)

LOCATION	LAT. 15-09-57 N., LONG. 100-11-32 E., ON LEFT BANK AT WAT PHO NGAM ABOUT 1.5 KILOMETERS DOWNSTREAM FROM CHAO PHRAYA DIVERSION DAM, AMPHOE SANPHAYA, CHAINAT
DRAINAGE AREA	120,693 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+15.634 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1947 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1953-1962, 1965-1968, 1972, 1975-1976, 1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.. FLOW REGULATED BY CHAO PHRAYA DIVERSION DAM ABOVE GAGE SITE WHICH DIVERTED FOR IRRIGATION ABOUT 979,000 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 170 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.88	6.91	6.67	6.91	6.70	6.58	6.87	7.16	6.98	6.72	6.89	6.69	
2	6.88	6.91	6.68	6.90	6.74	6.57	7.00	6.86	6.96	6.72	6.72	6.69	
3	6.88	6.91	6.70	6.88	6.69	6.60	7.53	6.74	6.91	6.71	6.71	6.69	
4	6.88	6.90	6.72	6.84	6.69	6.80	8.25	6.73	6.84	6.70	6.71	6.70	
5	6.89	6.89	6.73	6.80	6.69	6.94	8.67	6.71	6.93	6.67	6.70	6.70	
6	6.89	6.89	6.73	6.80	6.69	6.92	8.94	6.71	6.95	6.66	6.70	6.71	
7	6.88	6.89	6.72	6.80	6.68	6.87	8.91	6.72	7.21	6.64	6.70	6.71	
8	6.88	6.88	6.72	6.78	6.68	6.92	8.89	6.78	7.58	6.61	6.69	6.71	
9	6.90	6.87	6.84	6.78	6.68	7.06	8.89	6.89	7.44	6.57	6.69	6.70	
10	6.92	6.87	7.58	6.78	6.67	7.60	8.89	7.43	7.49	6.59	6.69	6.70	
11	6.93	6.87	8.42	6.81	6.67	8.21	8.56	7.69	7.23	6.66	6.70	6.71	
12	6.92	6.87	8.74	6.84	6.67	8.83	8.00	7.45	6.96	6.66	6.71	6.72	
13	6.89	6.86	8.85	6.97	6.67	8.89	7.85	7.45	6.92	6.65	6.71	6.72	
14	6.88	6.80	8.91	7.64	6.68	8.63	7.95	7.64	6.84	6.66	6.71	6.72	
15	6.87	6.76	8.68	8.32	6.69	8.33	7.95	7.54	6.75	6.66	6.71	6.72	
16	6.88	6.74	9.12	8.40	6.69	8.32	7.80	7.34	6.73	6.65	6.71	6.72	
17	6.88	6.73	8.91	8.64	6.69	8.13	7.65	7.13	6.73	6.65	6.72	6.72	
18	6.87	6.72	8.89	8.55	6.70	8.12	7.68	7.03	6.73	6.65	6.71	6.73	
19	6.87	6.68	8.80	8.40	6.70	8.13	8.09	7.02	6.74	6.64	6.70	6.79	
20	6.87	6.68	8.61	8.37	6.82	8.21	8.48	6.99	6.74	6.63	6.70	6.75	
21	6.88	6.68	8.22	8.47	6.90	8.13	8.73	6.95	6.74	6.62	6.70	6.70	
22	6.89	6.68	8.12	8.16	6.86	7.84	8.98	6.99	6.75	6.62	6.70	6.72	
23	6.89	6.68	8.00	8.02	6.85	7.70	9.19	7.01	6.75	6.63	6.70	6.72	
24	6.89	6.67	8.08	7.72	6.83	7.51	9.33	7.06	6.75	6.64	6.70	6.72	
25	6.90	6.67	7.73	7.53	6.82	7.17	9.08	7.25	6.74	6.64	6.70	6.73	
26	6.91	6.67	7.49	7.06	6.86	7.14	8.96	7.27	6.74	6.65	6.70	6.74	
27	6.93	6.67	7.27	7.08	6.81	7.03	8.96	7.33	6.73	6.71	6.70	6.80	
28	6.97	6.66	7.14	7.09	6.78	6.93	8.96	7.65	6.73	6.71	6.70	6.80	
29	6.93	6.66	6.86	6.94	6.72	6.89	8.87	7.38	6.72	6.72		6.79	
30	6.91	6.66	6.85	6.89	6.64	6.86	8.29	7.17	6.72	6.73		6.79	
31		6.67		6.75	6.59		7.82		6.72	6.90		6.80	
MEAN	6.89	6.77	7.73	7.38	6.73	7.53	8.39	7.14	6.90	6.67	6.71	6.73	
MAX	6.97	6.91	9.12	8.64	6.90	8.89	9.33	7.69	7.58	6.90	6.89	6.80	9.33
MIN	6.87	6.66	6.67	6.75	6.59	6.57	6.87	6.71	6.72	6.57	6.69	6.69	6.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.34 M (MSL), AT 21.00 HOURS, ON OCT 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED 1.80 M (MSL)
LEFT BANK ELEVATION 15.82 M (MSL)
RIGHT BANK ELEVATION 16.40 M (MSL), DRAINAGE AREA 120693 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	105.8	109.2	83.0	109.2	86.0	74.2	104.7	139.2	117.6	88.2	106.9	85.0	
2	105.8	109.2	84.0	108.0	90.4	73.3	120.0	103.6	115.2	88.2	88.2	85.0	
3	105.8	109.2	86.0	105.8	85.0	76.0	190.8	90.4	109.2	87.1	87.1	85.0	
4	105.8	108.0	88.2	101.4	85.0	97.0	318.0	89.3	101.4	86.0	87.1	86.0	
5	106.9	106.9	89.3	97.0	85.0	112.8	410.8	87.1	111.6	83.0	86.0	86.0	
6	106.9	106.9	89.3	97.0	85.0	110.4	478.4	87.1	114.0	82.0	86.0	87.1	
7	105.8	106.9	88.2	97.0	84.0	104.7	470.6	88.2	145.4	80.0	86.0	87.1	
8	105.8	105.8	88.2	94.8	84.0	110.4	465.4	94.8	198.8	77.0	85.0	87.1	
9	108.0	104.7	101.4	94.8	84.0	127.2	465.4	106.9	177.6	73.3	85.0	86.0	
10	110.4	104.7	198.8	94.8	83.0	202.0	465.4	176.2	184.6	75.1	85.0	86.0	
11	111.6	104.7	354.4	98.1	83.0	310.0	385.2	216.4	148.2	82.0	86.0	87.1	
12	110.4	104.7	427.6	101.4	83.0	449.8	272.0	179.0	115.2	82.0	87.1	88.2	
13	106.9	103.6	455.0	116.4	83.0	465.4	245.0	179.0	110.4	81.0	87.1	88.2	
14	105.8	97.0	470.6	208.4	84.0	401.2	263.0	208.4	101.4	82.0	87.1	88.2	
15	104.7	92.6	413.2	332.4	85.0	334.6	263.0	192.4	91.5	82.0	87.1	88.2	
16	105.8	90.4	525.6	350.0	85.0	332.4	236.0	163.6	89.3	81.0	87.1	88.2	
17	105.8	89.3	470.6	403.6	85.0	295.4	210.0	135.6	89.3	81.0	88.2	88.2	
18	104.7	88.2	465.4	383.0	86.0	293.6	214.8	123.6	89.3	81.0	87.1	89.3	
19	104.7	84.0	442.0	350.0	86.0	295.4	288.2	122.4	90.4	80.0	86.0	95.9	
20	104.7	84.0	396.4	343.4	99.2	310.0	367.6	118.8	90.4	79.0	86.0	91.5	
21	105.8	84.0	312.0	365.4	108.0	295.4	425.2	114.0	90.4	78.0	86.0	86.0	
22	106.9	84.0	293.6	300.8	103.6	243.2	488.8	118.8	91.5	78.0	86.0	88.2	
23	106.9	84.0	272.0	275.6	102.5	218.0	545.2	121.2	91.5	79.0	86.0	88.2	
24	106.9	83.0	286.4	221.6	100.3	187.6	584.4	127.2	91.5	80.0	86.0	88.2	
25	108.0	83.0	223.4	190.8	99.2	140.4	514.8	151.0	90.4	80.0	86.0	89.3	
26	109.2	83.0	184.6	127.2	103.6	136.8	483.6	153.8	90.4	81.0	86.0	90.4	
27	111.6	83.0	153.8	129.6	98.1	123.6	483.6	162.2	89.3	87.1	86.0	97.0	
28	116.4	82.0	136.8	130.8	94.8	111.6	483.6	210.0	89.3	87.1	86.0	97.0	
29	111.6	82.0	103.6	112.8	88.2	106.9	460.2	169.2	88.2	88.2		95.9	
30	109.2	82.0	102.5	106.9	80.0	103.6	326.0	140.4	88.2	89.3		95.9	
31		83.0		91.5	75.1		239.6		88.2	108.0		97.0	
TOTAL	3224.6	2923.0	7485.9	5739.5	2764.0	6242.9	11269.3	4169.8	3379.7	2566.6	2439.1	2766.4	54970.8 CMSDAY
MEAN	107.5	94.3	249.5	185.1	89.2	208.1	363.5	139.0	109.0	82.8	87.1	89.2	150.6 CMS
MAX	116.4	109.2	525.6	403.6	108.0	465.4	584.4	216.4	198.8	108.0	106.9	97.0	584.4 CMS
MIN	104.7	82.0	83.0	91.5	75.1	73.3	104.7	87.1	88.2	73.3	85.0	85.0	73.3 CMS
RUNOFF	278.61	252.55	646.78	495.89	238.81	539.39	973.67	360.27	292.01	221.75	210.74	239.02	4749.48 MCM

MOMENTARY PEAK 587.20 CMS, AT 9.34 M (MSL), AT 21.00 HOURS, ON OCT 24, 1984

RUNOFF YIELD 1.25 LITERS/SECOND/SQUARE KM, **MOMENTARY PEAK YIELD** 4.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHAO PHRAYA RIVER BASIN

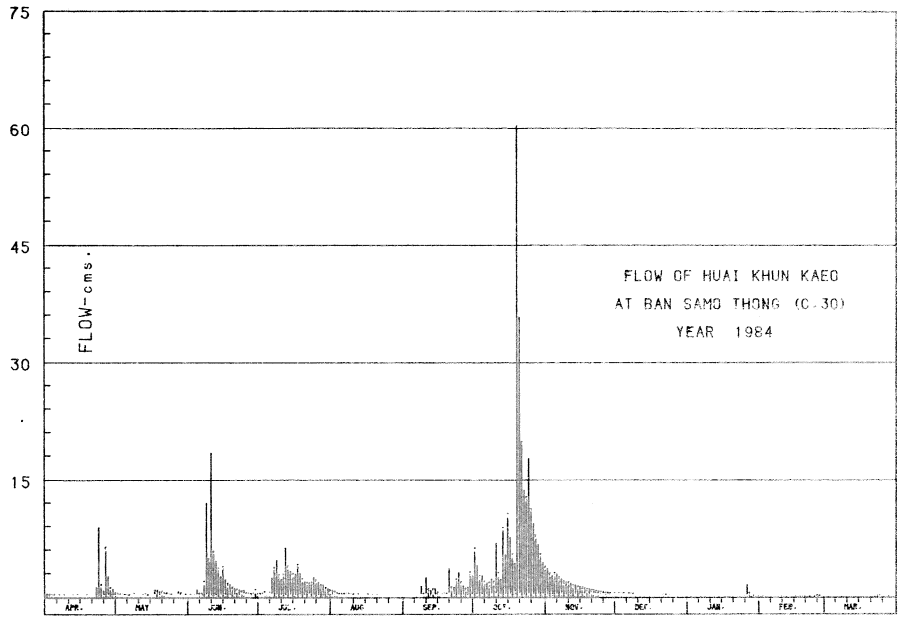
HUAI KHUN KAEO AT BAN SAMO THONG, UTHAI THANI (C.30)

LOCATION	LAT. 15-21-04 N., LONG. 99-32-22 E., ON RIGHT BANK INFRONT OF THE WAT SAMO THONG SCHOOL, BAN SAMO THONG, TAMBON KHOK KHWAI, AMPHOE BAN RAI, UTHAI THANI.
DRAINAGE AREA	219 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 60 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+11.75 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 146 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.39	0.32	0.39	0.46	0.25	1.09	0.85	0.40	0.27	0.21	0.15	
2	0.33	0.38	0.31	0.40	0.44	0.25	0.89	0.79	0.40	0.27	0.21	0.14	
3	0.33	0.35	0.29	0.43	0.41	0.24	0.75	0.75	0.39	0.26	0.20	0.14	
4	0.33	0.33	0.47	0.38	0.39	0.25	0.75	0.80	0.39	0.26	0.20	0.14	
5	0.32	0.32	0.40	0.42	0.38	0.29	0.65	0.78	0.39	0.26	0.20	0.13	
6	0.31	0.30	0.40	0.72	0.39	0.30	0.61	0.73	0.38	0.26	0.20	0.13	
7	0.31	0.30	0.66	0.87	0.38	0.31	0.63	0.69	0.37	0.25	0.19	0.16	
8	0.31	0.37	1.43	0.96	0.39	0.54	0.70	0.65	0.36	0.25	0.18	0.15	
9	0.31	0.31	0.98	0.77	0.37	0.37	0.65	0.63	0.35	0.25	0.17	0.14	
10	0.31	0.33	1.72	0.70	0.35	0.72	1.13	0.64	0.34	0.25	0.16	0.14	
11	0.29	0.34	1.06	0.78	0.35	0.49	0.80	0.60	0.34	0.24	0.16	0.13	
12	0.31	0.31	0.95	1.09	0.35	0.45	0.69	0.57	0.34	0.24	0.16	0.13	
13	0.31	0.37	0.86	0.89	0.34	0.50	1.26	0.56	0.33	0.23	0.16	0.13	
14	0.31	0.31	0.74	0.82	0.33	0.49	1.02	0.55	0.33	0.23	0.16	0.13	
15	0.31	0.30	0.88	0.79	0.33	0.42	1.36	0.53	0.32	0.23	0.16	0.13	
16	0.31	0.39	0.69	0.78	0.34	0.38	1.18	0.52	0.32	0.23	0.16	0.13	
17	0.31	0.47	0.61	0.91	0.33	0.36	1.03	0.50	0.32	0.23	0.15	0.13	
18	0.29	0.47	0.58	0.79	0.32	0.38	0.92	0.49	0.31	0.22	0.15	0.13	
19	0.28	0.44	0.53	0.71	0.31	0.38	2.94	0.48	0.31	0.22	0.15	0.13	
20	0.27	0.45	0.50	0.64	0.30	0.85	2.31	0.47	0.31	0.22	0.15	0.13	
21	0.26	0.41	0.49	0.63	0.30	0.53	1.78	0.46	0.30	0.23	0.15	0.13	
22	0.60	0.41	0.47	0.62	0.30	0.52	1.51	0.45	0.30	0.22	0.14	0.12	
23	1.26	0.36	0.45	0.63	0.29	0.70	1.47	0.43	0.29	0.21	0.14	0.24	
24	0.59	0.34	0.46	0.73	0.28	0.80	1.69	0.43	0.29	0.21	0.14	0.24	
25	0.45	0.31	0.41	0.68	0.27	0.64	1.39	0.42	0.28	0.21	0.27	0.20	
26	1.10	0.32	0.39	0.63	0.26	0.55	1.29	0.41	0.28	0.56	0.23	0.16	
27	0.74	0.43	0.38	0.58	0.26	0.50	1.20	0.41	0.28	0.40	0.19	0.16	
28	0.52	0.41	0.40	0.57	0.25	0.52	1.12	0.40	0.28	0.28	0.17	0.16	
29	0.48	0.35	0.48	0.52	0.25	0.81	1.03	0.40	0.28	0.25		0.14	
30	0.41	0.33	0.39	0.49	0.25	0.75	0.93	0.40	0.28	0.23		0.14	
31		0.33		0.47	0.25		0.88		0.28	0.22		0.13	
MEAN	0.42	0.36	0.62	0.67	0.33	0.48	1.15	0.56	0.33	0.25	0.18	0.15	
MAX	1.26	0.47	1.72	1.09	0.46	0.85	2.94	0.85	0.40	0.56	0.27	0.24	2.94
MIN	0.26	0.30	0.29	0.38	0.25	0.24	0.61	0.40	0.28	0.21	0.14	0.12	0.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.40 M (A.D), AT 15.00 HOURS, ON OCT 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.58	0.44	0.58	0.96	0.30	6.37	3.70	0.60	0.34	0.22	0.15	
2	0.46	0.56	0.42	0.60	0.84	0.30	4.10	3.12	0.60	0.34	0.22	0.14	
3	0.46	0.50	0.38	0.78	0.66	0.28	2.80	2.80	0.58	0.32	0.20	0.14	
4	0.46	0.46	1.02	0.56	0.58	0.30	2.80	3.20	0.58	0.32	0.20	0.14	
5	0.44	0.44	0.60	0.72	0.56	0.38	2.10	3.04	0.58	0.32	0.20	0.13	
6	0.42	0.40	0.60	2.56	0.58	0.40	1.86	2.64	0.56	0.32	0.20	0.13	
7	0.42	0.40	2.16	3.90	0.56	0.42	1.98	2.34	0.54	0.30	0.19	0.16	
8	0.42	0.54	12.10	4.80	0.58	1.44	2.40	2.10	0.52	0.30	0.18	0.15	
9	0.42	0.42	5.00	2.96	0.54	0.54	2.10	1.98	0.50	0.30	0.17	0.14	
10	0.42	0.46	18.48	2.40	0.50	2.56	6.95	2.04	0.48	0.30	0.16	0.14	
11	0.38	0.48	5.98	3.04	0.50	1.14	3.20	1.80	0.48	0.28	0.16	0.13	
12	0.42	0.42	4.70	6.37	0.50	0.90	2.34	1.62	0.48	0.28	0.16	0.13	
13	0.42	0.54	3.80	4.10	0.48	1.20	8.96	1.56	0.46	0.26	0.16	0.13	
14	0.42	0.42	2.72	3.40	0.46	1.14	5.46	1.50	0.46	0.26	0.16	0.13	
15	0.42	0.40	4.00	3.12	0.46	0.72	10.74	1.38	0.44	0.26	0.16	0.13	
16	0.42	0.58	2.34	3.04	0.48	0.56	7.70	1.32	0.44	0.26	0.16	0.13	
17	0.42	1.02	1.86	4.30	0.46	0.52	5.59	1.20	0.44	0.26	0.15	0.13	
18	0.38	1.02	1.68	3.12	0.44	0.56	4.40	1.14	0.42	0.24	0.15	0.13	
19	0.36	0.84	1.38	2.48	0.42	0.56	60.30	1.08	0.42	0.24	0.15	0.13	
20	0.34	0.90	1.20	2.04	0.40	3.70	35.85	1.02	0.42	0.24	0.15	0.13	
21	0.32	0.66	1.14	1.98	0.40	1.38	19.92	0.96	0.40	0.26	0.15	0.13	
22	1.80	0.66	1.02	1.92	0.40	1.32	13.71	0.90	0.40	0.24	0.14	0.12	
23	8.96	0.52	0.90	1.98	0.38	2.40	12.90	0.78	0.38	0.22	0.14	0.28	
24	1.74	0.48	0.96	2.64	0.36	3.20	17.76	0.78	0.38	0.22	0.14	0.28	
25	0.90	0.42	0.66	2.28	0.34	2.04	11.31	0.72	0.36	0.22	0.34	0.20	
26	6.50	0.44	0.58	1.98	0.32	1.50	9.44	0.66	0.36	1.56	0.26	0.16	
27	2.72	0.78	0.56	1.68	0.32	1.20	8.00	0.66	0.36	0.60	0.19	0.16	
28	1.32	0.66	0.60	1.62	0.30	1.32	6.80	0.60	0.36	0.36	0.17	0.16	
29	1.08	0.50	1.08	1.32	0.30	3.30	5.59	0.60	0.36	0.30		0.14	
30	0.66	0.46	0.58	1.14	0.30	2.80	4.50	0.60	0.36	0.26		0.14	
31		0.46		1.02	0.30		4.00		0.36	0.24		0.13	
TOTAL	34.36	17.42	78.94	74.43	14.68	38.38	291.93	47.84	14.08	10.22	5.03	4.62	631.93 CMSDAY
MEAN	1.15	0.56	2.63	2.40	0.47	1.28	9.42	1.59	0.45	0.33	0.18	0.15	1.73 CMS
MAX	8.96	1.02	18.48	6.37	0.96	3.70	60.30	3.70	0.60	1.56	0.34	0.28	60.30 CMS
MIN	0.32	0.40	0.38	0.56	0.30	0.28	1.86	0.60	0.36	0.22	0.14	0.12	0.12 CMS
RUNOFF	2.969	1.505	6.820	6.431	1.268	3.316	25.223	4.133	1.217	0.883	0.435	0.399	54.599 MCM

MOMENTARY PEAK 151.50 CMS, AT 4.40 M (A.D), AT 15.00 HOURS, ON OCT 19, 1984

RUNOFF YIELD 7.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 691.78 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SAKAE KRANG RIVER BASIN

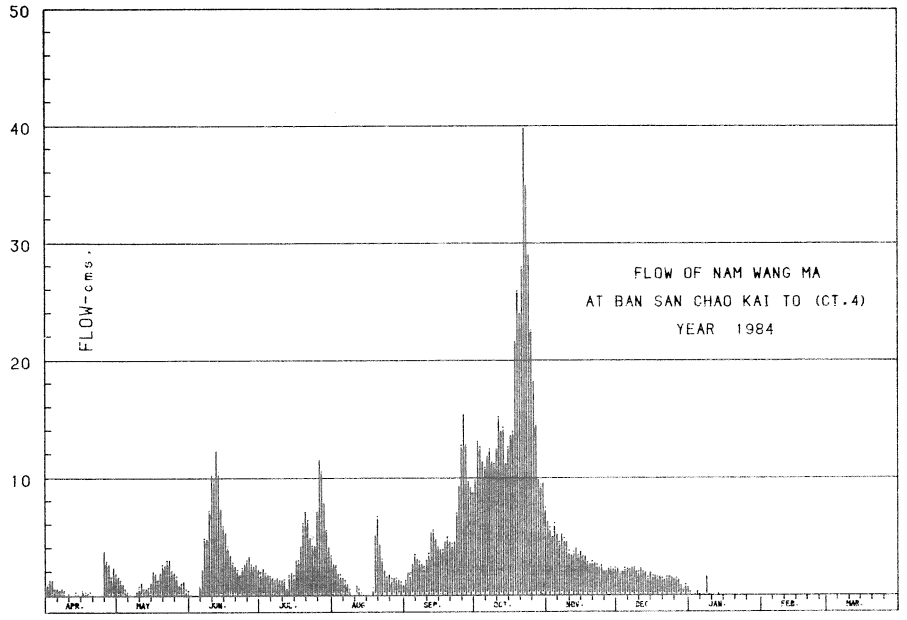
NAM WANG MA AT BAN SAN CHAO KAI TO, NAKHON SAWAN (CT.4)

LOCATION	LAT. 15-47-01 N., LONG. 99-40-55 E., ON LEFT BANK NEAR THE GAGE OBSERVER'S HOUSE AT BAN SAN CHAO KAI TO, AMPHOE LAT YAO, NAKHON SAWAN.
DRAINAGE AREA	1,246 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK DOWNSTREAM AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	6.323 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 - 1984
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 - 1984
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +5.51 M.(M.S.L.), AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.83	0.67	0.88	0.95	0.80	1.56	1.29	0.91	0.72	0.58	0.60	
2	0.80	0.80	0.66	0.91	0.94	0.87	1.77	1.25	0.85	0.72	0.56	0.58	
3	0.80	0.77	0.69	0.87	0.86	0.87	1.74	1.18	0.88	0.69	0.58	0.58	
4	0.74	0.74	0.70	0.85	0.86	0.95	1.66	1.28	0.92	0.72	0.57	0.57	
5	0.74	0.72	0.77	0.84	0.82	1.04	1.63	1.20	0.91	0.70	0.56	0.60	
6	0.73	0.68	0.90	0.82	0.80	1.00	1.69	1.14	0.90	0.69	0.57	0.57	
7	0.74	0.66	1.17	0.80	0.77	0.98	1.73	1.20	0.92	0.70	0.55	0.54	
8	0.73	0.68	1.16	0.82	0.74	0.95	1.66	1.17	0.32	0.83	0.55	0.54	
9	0.69	0.72	1.37	0.80	0.69	0.93	1.65	1.14	0.88	0.70	0.56	0.54	
10	0.71	0.76	1.59	0.80	0.70	0.99	1.73	1.07	0.88	0.70	0.56	0.52	
11	0.69	0.78	1.56	0.81	0.76	1.05	1.89	1.03	0.91	0.69	0.54	0.52	
12	0.65	0.74	1.72	0.74	0.74	1.21	1.82	1.06	0.88	0.70	0.56	0.53	
13	0.72	0.74	1.61	0.85	0.72	1.23	1.84	1.09	0.87	0.72	0.56	0.54	
14	0.68	0.75	1.38	0.87	0.69	1.16	1.65	1.03	0.83	0.69	0.56	0.54	
15	0.66	0.78	1.26	0.85	0.68	1.10	1.74	1.06	0.87	0.63	0.55	0.55	
16	0.74	0.88	1.21	0.99	0.72	1.08	1.80	1.02	0.84	0.60	0.57	0.52	
17	0.72	0.86	1.11	0.99	0.72	1.08	1.82	1.02	0.84	0.60	0.57	0.53	
18	0.71	0.80	1.03	1.11	0.75	1.14	2.20	0.97	0.83	0.60	0.55	0.54	
19	0.72	0.87	0.97	1.28	1.19	1.18	2.38	0.95	0.83	0.60	0.53	0.53	
20	0.65	0.95	0.93	1.36	1.33	1.14	2.30	0.98	0.82	0.58	0.53	0.53	
21	0.63	0.94	0.90	1.30	1.12	1.13	2.46	0.96	0.80	0.57	0.53	0.53	
22	0.59	0.99	0.85	1.17	1.00	1.14	2.88	0.95	0.83	0.57	0.53	0.53	
23	0.63	0.99	0.92	1.11	0.89	1.35	2.71	0.92	0.83	0.58	0.53	0.53	
24	0.68	0.89	0.95	1.11	0.83	1.52	2.50	0.94	0.82	0.60	0.69	0.53	
25	1.07	0.87	0.99	1.36	0.85	1.75	2.24	0.88	0.80	0.61	0.64	0.53	
26	0.98	0.84	1.02	1.67	0.82	1.90	2.04	0.88	0.82	0.61	0.66	0.53	
27	0.95	0.76	0.95	1.61	0.82	1.75	1.86	0.91	0.80	0.56	0.62	0.53	
28	0.83	0.78	0.93	1.42	0.82	1.55	1.56	0.92	0.76	0.56	0.63	0.53	
29	0.92	0.79	0.94	1.23	0.80	1.51	1.53	0.90	0.73	0.61		0.53	
30	0.86	0.74	0.90	1.10	0.79	1.48	1.54	0.92	0.77	0.63		0.53	
31		0.73		1.03	0.76		1.39		0.75	0.69		0.53	
MEAN	0.75	0.80	1.06	1.04	0.84	1.19	1.90	1.04	0.85	0.65	0.57	0.54	
MAX	1.07	0.99	1.72	1.67	1.33	1.90	2.88	1.29	0.92	0.83	0.69	0.60	2.88
MIN	0.59	0.66	0.66	0.74	0.68	0.80	1.39	0.88	0.73	0.56	0.53	0.52	0.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.90 M (A.D), AT 16.00 HOURS, ON OCT 22, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.45 M (A.D)
LEFT BANK ELEVATION 6.30 M (A.D)
RIGHT BANK ELEVATION 5.26 M (A.D), DRAINAGE AREA 1246 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	1.57	0.04	2.02	2.65	1.30	9.84	6.28	2.29	0.31	0.00	0.00	
2	1.30	1.30	0.04	2.29	2.56	1.93	13.12	5.80	1.75	0.31	0.00	0.00	
3	1.30	0.93	0.05	1.93	1.84	1.93	12.64	4.98	2.02	0.05	0.00	0.00	
4	0.56	0.56	0.06	1.75	1.84	2.65	11.36	6.16	2.38	0.31	0.00	0.00	
5	0.56	0.31	0.93	1.66	1.48	3.50	10.88	5.20	2.29	0.06	0.00	0.00	
6	0.43	0.05	2.20	1.48	1.30	3.10	11.84	4.54	2.20	0.05	0.00	0.00	
7	0.56	0.04	4.87	1.30	0.93	2.92	12.48	5.20	2.38	0.06	0.00	0.00	
8	0.43	0.05	4.76	1.48	0.56	2.65	11.36	4.87	2.38	1.57	0.00	0.00	
9	0.05	0.31	7.24	1.30	0.05	2.47	11.20	4.54	2.02	0.06	0.00	0.00	
10	0.18	0.80	10.26	1.30	0.06	3.01	12.48	3.80	2.02	0.06	0.00	0.00	
11	0.05	1.05	9.84	1.39	0.80	3.60	15.22	3.40	2.29	0.05	0.00	0.00	
12	0.03	0.56	12.32	0.56	0.56	5.32	13.96	3.70	2.02	0.06	0.00	0.00	
13	0.31	0.56	10.56	1.75	0.31	5.56	14.32	4.00	1.93	0.31	0.00	0.00	
14	0.05	0.68	7.36	1.93	0.05	4.76	11.20	3.40	1.57	0.05	0.00	0.00	
15	0.04	1.05	5.92	1.75	0.05	4.10	12.64	3.70	1.93	0.02	0.00	0.00	
16	0.56	2.02	5.32	3.01	0.31	3.90	13.60	3.30	1.66	0.00	0.00	0.00	
17	0.31	1.84	4.21	3.01	0.31	3.90	13.96	3.30	1.66	0.00	0.00	0.00	
18	0.18	1.30	3.40	4.21	0.68	4.54	21.60	2.83	1.57	0.00	0.00	0.00	
19	0.31	1.93	2.83	6.16	5.09	4.98	25.92	2.65	1.57	0.00	0.00	0.00	
20	0.03	2.65	2.47	7.12	6.76	4.54	24.00	2.92	1.48	0.00	0.00	0.00	
21	0.02	2.56	2.20	6.40	4.32	4.43	37.96	2.74	1.30	0.00	0.00	0.00	
22	0.00	3.01	1.75	4.87	3.10	4.54	39.80	2.65	1.57	0.00	0.00	0.00	
23	0.02	3.01	2.38	4.21	2.11	7.00	34.88	2.38	1.57	0.00	0.00	0.00	
24	0.05	2.11	2.65	4.21	1.57	9.28	29.00	2.56	1.48	0.00	0.05	0.00	
25	3.80	1.93	3.01	7.12	1.75	12.80	22.56	2.02	1.30	0.01	0.02	0.00	
26	2.92	1.66	3.30	11.52	1.48	15.40	18.20	2.02	1.48	0.01	0.04	0.00	
27	2.65	0.80	2.65	10.56	1.48	12.80	14.68	2.29	1.30	0.00	0.01	0.00	
28	1.57	1.05	2.47	7.88	1.48	9.70	9.84	2.38	0.80	0.00	0.02	0.00	
29	2.38	1.18	2.56	5.56	1.30	9.14	9.42	2.20	0.43	0.01		0.00	
30	1.84	0.56	2.20	4.10	1.18	8.72	9.56	2.38	0.93	0.02		0.00	
31		0.43		3.40	0.80		7.48		0.68	0.05		0.00	
TOTAL	23.29	37.86	119.85	117.23	48.76	164.47	507.00	108.13	52.35	3.43	0.14	0.00	1182.47 CMSDAY
MEAN	0.78	1.22	3.99	3.78	1.57	5.48	16.35	3.61	1.69	0.11	0.00	0.00	3.24 CMS
MAX	3.80	3.01	12.32	11.52	6.76	15.40	39.80	6.28	2.38	1.57	0.05	0.00	39.80 CMS
MIN	0.00	0.04	0.04	0.56	0.05	1.30	7.48	2.02	0.43	0.00	0.00	0.00	0.00 CMS
RUNOFF	2.012	3.271	10.355	10.129	4.213	14.210	43.805	9.348	4.514	0.296	0.012	0.000	102.165 MCM

MOMENTARY PEAK 40.40 CMS, AT 2.90 M (A.D), AT 16.00 HOURS, ON OCT 22, 1984

RUNOFF YIELD 2.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SAKAE KRANG RIVER BASIN

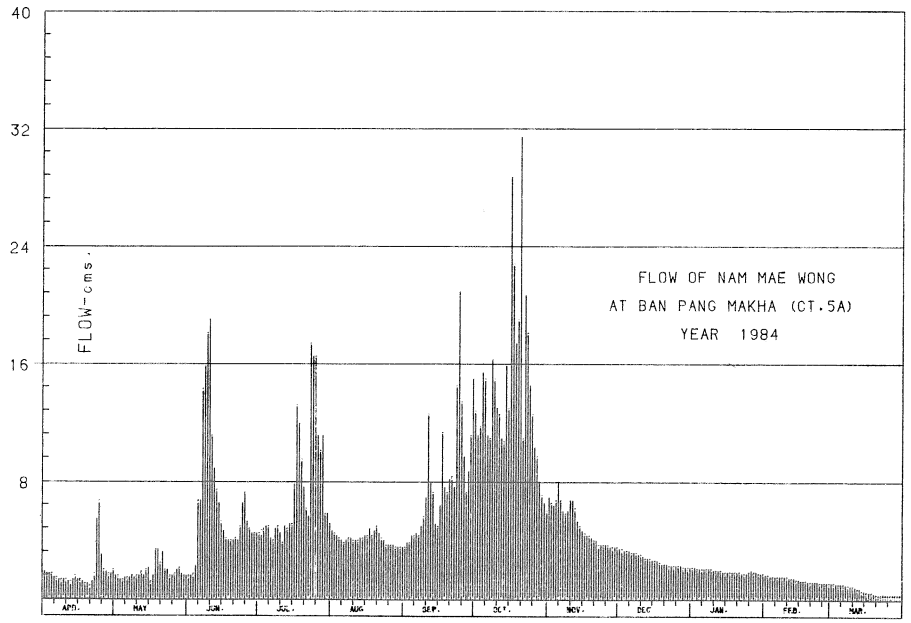
MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION	LAT. 15-54-10 N., LONG. 99-28-45 E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	938 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+4.60 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 137 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.55	0.55	0.65	0.66	0.59	1.09	0.79	0.58	0.48	0.43	0.37	
2	0.56	0.55	0.55	0.64	0.65	0.61	1.01	0.77	0.58	0.48	0.43	0.37	
3	0.56	0.53	0.56	0.67	0.64	0.61	1.04	0.76	0.57	0.47	0.42	0.36	
4	0.56	0.53	0.60	0.68	0.63	0.64	1.21	0.78	0.57	0.47	0.42	0.36	
5	0.54	0.54	0.80	0.68	0.62	0.64	1.19	0.85	0.57	0.47	0.42	0.36	
6	0.54	0.54	0.80	0.63	0.61	0.65	1.01	0.78	0.56	0.47	0.42	0.36	
7	0.53	0.54	1.16	0.62	0.62	0.64	1.00	0.74	0.56	0.47	0.42	0.35	
8	0.53	0.55	1.23	0.67	0.63	0.68	1.25	0.73	0.56	0.47	0.42	0.35	
9	0.53	0.54	1.33	0.68	0.63	0.72	1.19	0.74	0.55	0.47	0.42	0.34	
10	0.53	0.55	1.37	0.65	0.62	0.79	1.10	0.78	0.55	0.46	0.42	0.34	
11	0.52	0.55	1.01	0.61	0.62	1.08	1.08	0.78	0.54	0.46	0.41	0.33	
12	0.52	0.57	0.90	0.68	0.62	0.85	1.00	0.75	0.53	0.46	0.41	0.32	
13	0.53	0.55	0.82	0.67	0.63	0.81	0.99	0.70	0.53	0.46	0.41	0.32	
14	0.55	0.58	0.77	0.69	0.63	0.69	1.23	0.68	0.53	0.45	0.40	0.30	
15	0.53	0.59	0.70	0.69	0.64	0.68	1.10	0.66	0.52	0.45	0.40	0.29	
16	0.53	0.52	0.66	0.84	0.64	0.76	1.77	0.65	0.52	0.45	0.39	0.28	
17	0.52	0.55	0.63	1.11	0.67	1.02	1.53	0.64	0.52	0.45	0.39	0.27	
18	0.51	0.66	0.62	1.05	0.64	0.83	1.30	0.64	0.51	0.45	0.39	0.27	
19	0.51	0.66	0.62	0.93	0.66	0.81	1.37	0.63	0.50	0.45	0.38	0.25	
20	0.50	0.61	0.62	0.83	0.68	0.86	1.88	0.62	0.50	0.45	0.38	0.24	
21	0.52	0.65	0.63	0.75	0.65	0.87	1.00	0.62	0.50	0.45	0.38	0.23	
22	0.56	0.58	0.62	0.72	0.63	0.83	1.44	0.60	0.49	0.44	0.38	0.23	
23	0.75	0.58	0.68	1.30	0.62	1.17	1.33	0.60	0.49	0.44	0.38	0.23	
24	0.80	0.55	0.77	1.26	0.60	1.45	1.17	0.60	0.49	0.44	0.37	0.23	
25	0.64	0.55	0.81	1.26	0.60	1.12	1.08	0.60	0.49	0.45	0.37	0.23	
26	0.58	0.56	0.70	1.01	0.60	0.94	0.97	0.60	0.49	0.46	0.37	0.23	
27	0.57	0.58	0.67	0.96	0.60	0.81	0.94	0.59	0.49	0.45	0.37	0.23	
28	0.56	0.59	0.65	1.01	0.59	0.89	0.85	0.59	0.48	0.45	0.37	0.23	
29	0.56	0.56	0.65	0.73	0.59	1.01	0.80	0.59	0.48	0.44		0.23	
30	0.58	0.55	0.65	0.73	0.59	1.19	0.77	0.59	0.48	0.44		0.23	
31		0.55		0.69	0.59		0.74		0.48	0.44		0.23	
MEAN	0.56	0.57	0.77	0.81	0.63	0.84	1.14	0.68	0.52	0.46	0.40	0.29	
MAX	0.80	0.66	1.37	1.30	0.68	1.45	1.88	0.85	0.58	0.48	0.43	0.37	1.88
MIN	0.50	0.52	0.55	0.61	0.59	0.59	0.74	0.59	0.48	0.44	0.37	0.23	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.99 M (A.D), AT 6.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.08 M (A.D)
LEFT BANK ELEVATION 4.27 M (A.D)
RIGHT BANK ELEVATION 4.17 M (A.D), DRAINAGE AREA 938 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.89	1.63	1.63	4.50	4.66	3.57	12.80	6.92	3.44	2.19	1.67	1.13	
2	1.76	1.63	1.63	4.34	4.50	3.86	11.15	6.56	3.44	2.19	1.67	1.13	
3	1.76	1.35	1.76	4.82	4.34	3.86	11.77	6.38	3.31	2.09	1.56	1.05	
4	1.76	1.35	2.30	4.98	4.18	4.34	15.42	6.74	3.31	2.09	1.56	1.05	
5	1.49	1.49	6.74	4.98	4.02	4.34	14.98	8.00	3.31	2.09	1.56	1.05	
6	1.49	1.49	6.74	4.18	3.86	4.50	11.15	6.74	3.18	2.09	1.56	1.05	
7	1.35	1.49	14.32	4.02	4.02	4.34	10.95	6.02	3.18	2.09	1.56	0.97	
8	1.35	1.63	15.86	4.82	4.18	4.98	16.30	5.84	3.18	2.09	1.56	0.97	
9	1.35	1.49	18.11	4.98	4.18	5.66	14.98	6.02	3.05	2.09	1.56	0.90	
10	1.35	1.63	19.04	4.50	4.02	6.92	13.00	6.74	3.05	1.98	1.56	0.90	
11	1.22	1.63	11.15	3.86	4.02	12.59	12.59	6.74	2.92	1.98	1.45	0.83	
12	1.22	1.89	8.90	4.98	4.02	8.00	10.95	6.20	2.79	1.98	1.45	0.75	
13	1.35	1.63	7.46	4.82	4.18	7.28	10.75	5.30	2.79	1.98	1.45	0.75	
14	1.63	2.03	6.56	5.14	4.18	5.14	15.86	4.98	2.79	1.87	1.35	0.60	
15	1.35	2.16	5.30	5.14	4.34	4.98	13.00	4.66	2.66	1.87	1.35	0.56	
16	1.35	1.22	4.66	7.82	4.34	6.38	28.70	4.50	2.66	1.87	1.27	0.52	
17	1.22	1.63	4.18	13.22	4.82	11.36	22.82	4.34	2.66	1.87	1.27	0.48	
18	1.08	3.41	4.02	11.97	4.34	7.64	17.40	4.34	2.53	1.87	1.27	0.48	
19	1.08	3.41	4.02	9.52	4.66	7.28	19.04	4.18	2.40	1.87	1.20	0.40	
20	0.95	2.49	4.02	7.64	4.98	8.18	31.45	4.02	2.40	1.87	1.20	0.36	
21	1.22	3.22	4.18	6.20	4.50	8.36	10.95	4.02	2.40	1.87	1.20	0.32	
22	1.76	2.03	4.02	5.66	4.18	7.64	20.69	3.70	2.30	1.77	1.20	0.32	
23	5.45	2.03	4.98	17.40	4.02	14.54	18.11	3.70	2.30	1.77	1.20	0.32	
24	6.74	1.63	6.56	16.52	3.70	20.93	14.54	3.70	2.30	1.77	1.13	0.32	
25	3.04	1.63	7.28	16.52	3.70	13.44	12.59	3.70	2.30	1.87	1.13	0.32	
26	2.03	1.76	5.30	11.15	3.70	9.72	10.34	3.70	2.30	1.98	1.13	0.32	
27	1.89	2.03	4.82	10.13	3.70	7.28	9.72	3.57	2.30	1.87	1.13	0.32	
28	1.76	2.16	4.50	11.15	3.57	8.72	8.00	3.57	2.19	1.87	1.13	0.32	
29	1.76	1.76	4.50	5.84	3.57	11.15	7.10	3.57	2.19	1.77		0.32	
30	2.03	1.63	4.50	5.84	3.57	14.98	6.56	3.57	2.19	1.77		0.32	
31		1.63		5.14	3.57		6.02		2.19	1.77		0.32	
TOTAL	55.68	58.19	199.04	231.78	127.62	241.96	439.68	152.02	84.01	60.10	38.33	19.45	1707.86 CMSDAY
MEAN	1.86	1.88	6.63	7.48	4.12	8.07	14.18	5.07	2.71	1.94	1.37	0.63	4.68 CMS
MAX	6.74	3.41	19.04	17.40	4.98	20.93	31.45	8.00	3.44	2.19	1.67	1.13	31.45 CMS
MIN	0.95	1.22	1.63	3.86	3.57	3.57	6.02	3.57	2.19	1.77	1.13	0.32	0.32 CMS
RUNOFF	4.811	5.028	17.197	20.026	11.026	20.905	37.988	13.135	7.258	5.193	3.312	1.680	147.559 MCM

MOMENTARY PEAK 34.11 CMS, AT 1.99 M (A.D), AT 6.00 HOURS, ON OCT 20, 1984
RUNOFF YIELD 4.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SAKAE KRANG RIVER BASIN

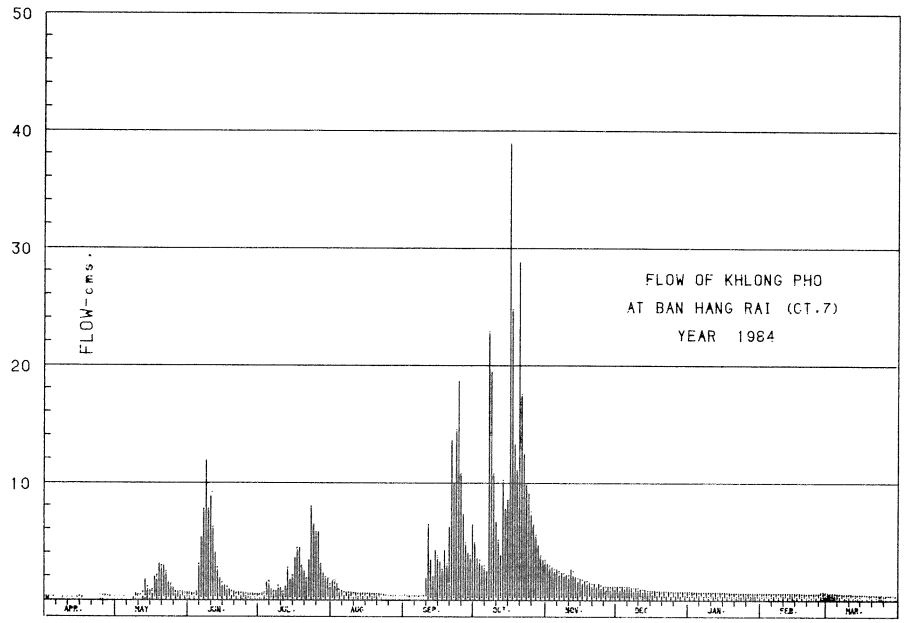
KHLONG PHO AT BAN HANG RAI, NAKHON SAWAN (CT.7)

LOCATION	LAT. 15-38-23 N., LONG. 99-32-20 E., ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE, BAN HANG RAI, AMPHOE LAT YAO, NAKHON SAWAN.
DRAINAGE AREA	457 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+4.660 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW WAS EFFECTED BY THE CONSTRUCTION OF DAM UPSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 189 DISCHARGE MEASUREMENTS MADE IN 1984

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.59	0.57	0.66	0.63	0.77	0.61	0.96	0.87	0.73	0.68	0.65	0.66	
2	0.58	0.59	0.65	0.64	0.76	0.60	0.90	0.86	0.73	0.68	0.65	0.65	
3	0.58	0.59	0.64	0.67	0.75	0.59	0.89	0.85	0.73	0.67	0.65	0.65	
4	0.58	0.58	0.68	0.76	0.71	0.59	0.86	0.84	0.73	0.67	0.65	0.65	
5	0.57	0.57	0.87	0.77	0.70	0.59	0.86	0.84	0.73	0.67	0.65	0.64	
6	0.57	0.57	0.98	0.71	0.68	0.59	0.83	0.83	0.73	0.67	0.65	0.64	
7	0.57	0.57	1.09	0.70	0.67	0.59	1.56	0.82	0.72	0.67	0.65	0.63	
8	0.56	0.65	1.24	0.69	0.67	0.59	1.47	0.82	0.72	0.67	0.65	0.63	
9	0.56	0.64	1.09	0.74	0.67	0.60	1.20	0.81	0.72	0.67	0.65	0.63	
10	0.56	0.62	1.13	0.72	0.66	0.79	1.04	0.81	0.72	0.67	0.65	0.63	
11	0.56	0.62	1.02	0.69	0.66	1.03	0.97	0.84	0.71	0.67	0.65	0.63	
12	0.56	0.68	0.92	0.73	0.65	0.89	0.91	0.83	0.71	0.67	0.65	0.62	
13	0.56	0.78	0.85	0.85	0.65	0.80	1.18	0.80	0.71	0.67	0.65	0.62	
14	0.56	0.73	0.79	0.78	0.65	0.93	1.09	0.79	0.70	0.67	0.65	0.62	
15	0.59	0.70	0.76	0.81	0.65	0.91	1.12	0.79	0.70	0.67	0.65	0.62	
16	0.57	0.71	0.74	0.90	0.65	0.88	1.94	0.78	0.70	0.67	0.65	0.62	
17	0.57	0.80	0.73	0.94	0.65	0.84	1.61	0.77	0.70	0.66	0.65	0.62	
18	0.56	0.81	0.71	0.94	0.64	0.93	1.29	0.77	0.69	0.66	0.64	0.61	
19	0.56	0.87	0.70	0.86	0.64	0.87	1.21	0.76	0.69	0.65	0.64	0.61	
20	0.56	0.86	0.68	0.83	0.64	1.02	1.71	0.75	0.69	0.65	0.64	0.61	
21	0.55	0.86	0.66	0.79	0.64	1.30	1.42	0.75	0.69	0.65	0.64	0.61	
22	0.57	0.83	0.67	0.89	0.63	1.17	1.26	0.75	0.69	0.65	0.64	0.61	
23	0.58	0.76	0.66	1.10	0.62	1.33	1.17	0.75	0.68	0.65	0.64	0.61	
24	0.62	0.75	0.66	1.03	0.61	1.45	1.14	0.74	0.68	0.65	0.64	0.61	
25	0.61	0.72	0.65	1.00	0.60	1.20	1.08	0.73	0.68	0.65	0.64	0.60	
26	0.61	0.69	0.64	1.00	0.60	1.07	1.03	0.73	0.68	0.65	0.67	0.60	
27	0.60	0.68	0.64	0.87	0.60	0.96	0.99	0.73	0.68	0.65	0.68	0.60	
28	0.59	0.69	0.64	0.82	0.60	0.92	0.95	0.73	0.68	0.65	0.67	0.60	
29	0.58	0.68	0.63	0.80	0.59	0.91	0.91	0.73	0.68	0.65		0.60	
30	0.57	0.66	0.63	0.79	0.59	1.03	0.89	0.73	0.68	0.65		0.59	
31		0.66		0.75	0.59		0.89		0.68	0.65		0.59	
MEAN	0.57	0.69	0.78	0.81	0.65	0.89	1.14	0.79	0.70	0.66	0.65	0.62	
MAX	0.62	0.87	1.24	1.10	0.77	1.45	1.94	0.87	0.73	0.68	0.68	0.66	1.94
MIN	0.55	0.57	0.63	0.63	0.59	0.59	0.83	0.73	0.68	0.65	0.64	0.59	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.08 M (A.D), AT 16.00 HOURS, ON OCT 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.55 M (A.D)
LEFT BANK ELEVATION 4.78 M (A.D)
RIGHT BANK ELEVATION 4.48 M (A.D), DRAINAGE AREA 457 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	0.28	0.64	0.52	1.64	0.44	4.92	3.12	1.16	0.72	0.60	0.64	
2	0.32	0.36	0.60	0.56	1.52	0.40	3.60	2.96	1.16	0.72	0.60	0.60	
3	0.32	0.36	0.56	0.68	1.40	0.36	3.44	2.80	1.16	0.68	0.60	0.60	
4	0.32	0.32	0.72	1.52	0.92	0.36	2.96	2.64	1.16	0.68	0.60	0.60	
5	0.28	0.28	3.12	1.64	0.80	0.36	2.96	2.64	1.16	0.68	0.60	0.56	
6	0.28	0.28	5.36	0.92	0.72	0.36	2.48	2.48	1.16	0.68	0.60	0.56	
7	0.28	0.28	7.78	0.80	0.68	0.36	22.88	2.32	1.04	0.68	0.60	0.52	
8	0.24	0.60	11.92	0.76	0.68	0.36	19.46	2.32	1.04	0.68	0.60	0.52	
9	0.24	0.56	7.78	1.28	0.68	0.40	10.80	2.16	1.04	0.68	0.60	0.52	
10	0.24	0.48	8.84	1.04	0.64	1.88	6.68	2.16	1.04	0.68	0.60	0.52	
11	0.24	0.48	6.24	0.76	0.64	6.46	5.14	2.64	0.92	0.68	0.60	0.52	
12	0.24	0.72	4.04	1.16	0.60	3.44	3.82	2.48	0.92	0.68	0.60	0.48	
13	0.24	1.76	2.80	2.80	0.60	2.00	10.24	2.00	0.92	0.68	0.60	0.48	
14	0.24	1.16	1.88	1.76	0.60	4.26	7.78	1.88	0.80	0.68	0.60	0.48	
15	0.36	0.80	1.52	2.16	0.60	3.82	8.56	1.88	0.80	0.68	0.60	0.48	
16	0.28	0.92	1.28	3.60	0.60	3.28	38.92	1.76	0.80	0.68	0.60	0.48	
17	0.28	2.00	1.16	4.48	0.60	2.64	24.80	1.64	0.80	0.64	0.60	0.48	
18	0.24	2.16	0.92	4.48	0.56	4.26	13.32	1.64	0.76	0.64	0.56	0.44	
19	0.24	3.12	0.80	2.96	0.56	3.12	11.08	1.52	0.76	0.60	0.56	0.44	
20	0.24	2.96	0.72	2.48	0.56	6.24	28.82	1.40	0.76	0.60	0.56	0.44	
21	0.20	2.96	0.64	1.88	0.56	13.60	17.56	1.40	0.76	0.60	0.56	0.44	
22	0.28	2.48	0.68	3.44	0.52	9.96	12.48	1.40	0.76	0.60	0.56	0.44	
23	0.32	1.52	0.64	8.00	0.48	14.56	9.96	1.40	0.72	0.60	0.56	0.44	
24	0.48	1.40	0.64	6.46	0.44	18.70	9.12	1.28	0.72	0.60	0.56	0.44	
25	0.44	1.04	0.60	5.80	0.40	10.80	7.56	1.16	0.72	0.60	0.56	0.40	
26	0.44	0.76	0.56	5.80	0.40	7.34	6.46	1.16	0.72	0.60	0.68	0.40	
27	0.40	0.72	0.56	3.12	0.40	4.92	5.58	1.16	0.72	0.60	0.72	0.40	
28	0.36	0.76	0.56	2.32	0.40	4.04	4.70	1.16	0.72	0.60	0.68	0.40	
29	0.32	0.72	0.52	2.00	0.36	3.82	3.82	1.16	0.72	0.60		0.40	
30	0.28	0.64	0.52	1.88	0.36	6.46	3.44	1.16	0.72	0.60		0.36	
31		0.64		1.40	0.36		3.44		0.72	0.60		0.36	
TOTAL	9.00	33.52	74.60	78.46	20.28	139.00	316.78	56.88	27.36	20.04	16.76	14.84	807.52 CMSDAY
MEAN	0.30	1.08	2.49	2.53	0.65	4.63	10.22	1.90	0.88	0.65	0.60	0.48	2.21 CMS
MAX	0.48	3.12	11.92	8.00	1.64	18.70	38.92	3.12	1.16	0.72	0.72	0.64	38.92 CMS
MIN	0.20	0.28	0.52	0.52	0.36	0.36	2.48	1.16	0.72	0.60	0.56	0.36	0.20 CMS
RUNOFF	0.778	2.896	6.445	6.779	1.752	12.010	27.370	4.914	2.364	1.731	1.448	1.282	69.770 MCM

MOMENTARY PEAK 45.64 CMS, AT 2.08 M (A.D), AT 16.00 HOURS, ON OCT 16, 1984
RUNOFF YIELD 4.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 99.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SAKAE KRANG RIVER BASIN

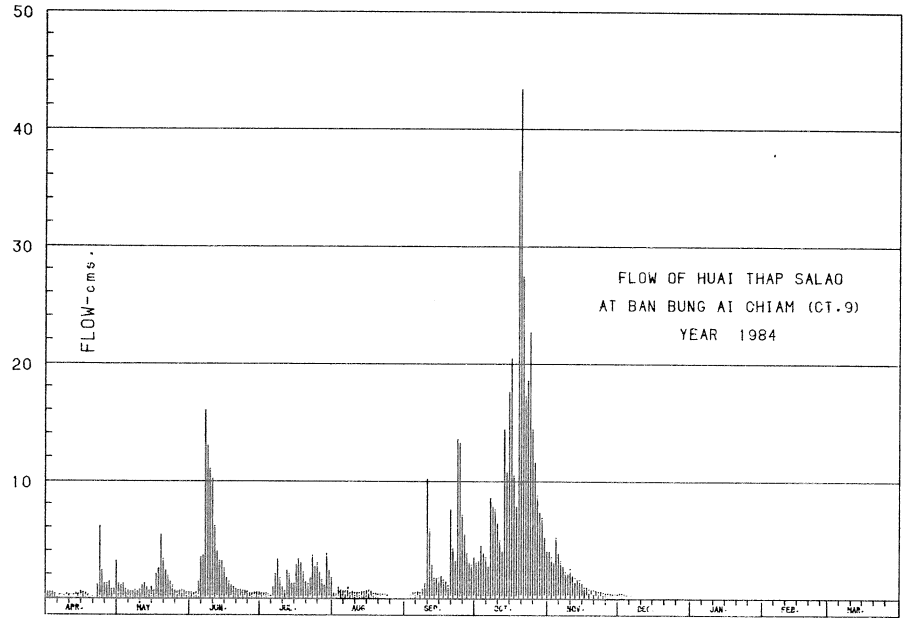
HUAI THAP SALAO AT BAN BUNG AI CHIAM, UTHAI THANI (CT.9)

LOCATION	LAT. 15-31-38 N., LONG. 99-28-10 E., ON LEFT BANK ABOUT 9 KILOMETERS UPSTREAM FROM CT.6, BAN BUNG AI CHIAM, KING AMPHOE LAN SAK, UTHAI THANI.
DRAINAGE AREA	522 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.611 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 199 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.06	1.13	1.06	1.05	1.05	1.02	1.24	1.30	1.05	0.93	0.91	0.88	
2	1.06	1.12	1.05	1.05	1.04	1.03	1.25	1.27	1.05	0.93	0.90	0.88	
3	1.06	1.13	1.06	1.05	1.11	1.03	1.32	1.24	1.04	0.93	0.90	0.86	
4	1.04	1.10	1.14	1.04	1.09	1.06	1.29	1.35	1.03	0.93	0.90	0.86	
5	1.03	1.08	1.27	1.02	1.08	1.06	1.27	1.29	1.03	0.93	0.90	0.86	
6	1.03	1.07	1.28	1.11	1.08	1.07	1.22	1.25	1.03	0.93	0.89	0.86	
7	1.03	1.07	1.75	1.18	1.08	1.06	1.49	1.22	1.02	0.92	0.89	0.86	
8	1.02	1.09	1.65	1.26	1.06	1.10	1.46	1.19	1.01	0.92	0.88	0.85	
9	1.04	1.07	1.58	1.16	1.07	1.13	1.45	1.18	1.00	0.92	0.88	0.85	
10	1.03	1.09	1.55	1.11	1.06	1.55	1.40	1.21	0.99	0.91	0.87	0.85	
11	1.03	1.12	1.39	1.08	1.06	1.38	1.34	1.17	0.98	0.91	0.87	0.85	
12	1.03	1.13	1.30	1.20	1.06	1.23	1.30	1.16	0.98	0.91	0.87	0.85	
13	1.05	1.11	1.25	1.18	1.07	1.16	1.70	1.15	0.97	0.90	0.87	0.85	
14	1.04	1.08	1.25	1.13	1.07	1.16	1.57	1.15	0.97	0.90	0.87	0.85	
15	1.07	1.11	1.21	1.13	1.08	1.16	1.80	1.13	0.97	0.90	0.87	0.85	
16	1.06	1.08	1.16	1.23	1.09	1.17	1.89	1.11	0.97	0.90	0.87	0.85	
17	1.05	1.18	1.14	1.26	1.07	1.15	1.56	1.11	0.97	0.90	0.87	0.84	
18	1.03	1.21	1.12	1.24	1.05	1.14	1.46	1.10	0.96	0.90	0.87	0.83	
19	1.02	1.36	1.11	1.19	1.05	1.12	2.31	1.09	0.95	0.90	0.88	0.83	
20	1.01	1.26	1.10	1.14	1.04	1.45	2.47	1.09	0.95	0.90	0.88	0.83	
21	1.01	1.20	1.09	1.13	1.04	1.31	2.09	1.08	0.94	0.90	0.87	0.83	
22	1.14	1.17	1.09	1.16	1.04	1.25	1.79	1.07	0.94	0.90	0.87	0.83	
23	1.39	1.14	1.08	1.28	1.04	1.67	1.83	1.07	0.94	0.90	0.87	0.84	
24	1.20	1.12	1.08	1.22	1.03	1.66	1.96	1.06	0.94	0.90	0.87	0.84	
25	1.13	1.08	1.07	1.24	1.02	1.43	1.70	1.05	0.94	0.90	0.87	0.84	
26	1.13	1.07	1.05	1.19	1.02	1.36	1.60	1.05	0.94	0.93	0.88	0.84	
27	1.14	1.08	1.05	1.15	1.02	1.29	1.50	1.05	0.94	0.94	0.89	0.84	
28	1.10	1.09	1.06	1.12	1.02	1.24	1.44	1.04	0.93	0.92	0.90	0.84	
29	1.10	1.08	1.06	1.29	1.02	1.23	1.42	1.04	0.93	0.91		0.84	
30	1.25	1.06	1.06	1.20	1.02	1.27	1.35	1.04	0.93	0.91		0.84	
31		1.06		1.16	1.02		1.30		0.93	0.91		0.84	
MEAN	1.08	1.12	1.20	1.16	1.05	1.23	1.57	1.14	0.97	0.91	0.88	0.85	
MAX	1.39	1.36	1.75	1.29	1.11	1.67	2.47	1.35	1.05	0.94	0.91	0.88	2.47
MIN	1.01	1.06	1.05	1.02	1.02	1.02	1.22	1.04	0.93	0.90	0.87	0.83	0.83

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.70 M (A.D), AT 2.00 HOURS, ON OCT 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.79 M (A.D)
LEFT BANK ELEVATION 3.71 M (A.D)
RIGHT BANK ELEVATION 4.25 M (A.D), DRAINAGE AREA 522 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	1.28	0.52	0.45	0.45	0.24	3.04	4.00	0.45	0.03	0.01	0.00	
2	0.52	1.12	0.45	0.45	0.38	0.31	3.20	3.52	0.45	0.03	0.00	0.00	
3	0.52	1.28	0.52	0.45	0.96	0.31	4.48	3.04	0.38	0.03	0.00	0.00	
4	0.38	0.80	1.44	0.38	0.73	0.52	3.84	5.20	0.31	0.03	0.00	0.00	
5	0.31	0.66	3.52	0.24	0.66	0.52	3.52	3.84	0.31	0.03	0.00	0.00	
6	0.31	0.59	3.68	0.96	0.66	0.59	2.72	3.20	0.31	0.03	0.00	0.00	
7	0.31	0.59	16.00	2.08	0.66	0.52	8.56	2.72	0.24	0.02	0.00	0.00	
8	0.24	0.73	13.00	3.36	0.52	0.80	7.84	2.24	0.17	0.02	0.00	0.00	
9	0.38	0.59	11.04	1.76	0.59	1.28	7.60	2.08	0.10	0.02	0.00	0.00	
10	0.31	0.73	10.20	0.96	0.52	10.20	6.40	2.56	0.09	0.01	0.00	0.00	
11	0.31	1.12	6.16	0.66	0.52	5.92	4.96	1.92	0.08	0.01	0.00	0.00	
12	0.31	1.28	4.00	2.40	0.52	2.88	4.00	1.76	0.08	0.01	0.00	0.00	
13	0.45	0.96	3.20	2.08	0.59	1.76	14.40	1.60	0.07	0.00	0.00	0.00	
14	0.38	0.66	3.20	1.28	0.59	1.76	10.76	1.60	0.07	0.00	0.00	0.00	
15	0.59	0.96	2.56	1.28	0.66	1.76	17.60	1.28	0.07	0.00	0.00	0.00	
16	0.52	0.66	1.76	2.88	0.73	1.92	20.48	0.96	0.07	0.00	0.00	0.00	
17	0.45	2.08	1.44	3.36	0.59	1.60	10.48	0.96	0.07	0.00	0.00	0.00	
18	0.31	2.56	1.12	3.04	0.45	1.44	7.84	0.80	0.06	0.00	0.00	0.00	
19	0.24	5.44	0.96	2.24	0.45	1.12	36.42	0.73	0.05	0.00	0.00	0.00	
20	0.17	3.36	0.80	1.44	0.38	7.60	43.42	0.73	0.05	0.00	0.00	0.00	
21	0.17	2.40	0.73	1.28	0.38	4.24	27.42	0.66	0.04	0.00	0.00	0.00	
22	1.44	1.92	0.73	1.76	0.38	3.20	17.28	0.59	0.04	0.00	0.00	0.00	
23	6.16	1.44	0.66	3.68	0.38	13.56	18.56	0.59	0.04	0.00	0.00	0.00	
24	2.40	1.12	0.66	2.72	0.31	13.28	22.72	0.52	0.04	0.00	0.00	0.00	
25	1.28	0.66	0.59	3.04	0.24	7.12	14.40	0.45	0.04	0.00	0.00	0.00	
26	1.28	0.59	0.45	2.24	0.24	5.44	11.60	0.45	0.04	0.03	0.00	0.00	
27	1.44	0.66	0.45	1.60	0.24	3.84	8.80	0.45	0.04	0.04	0.00	0.00	
28	0.80	0.73	0.52	1.12	0.24	3.04	7.36	0.38	0.03	0.02	0.00	0.00	
29	0.80	0.66	0.52	3.84	0.24	2.88	6.88	0.38	0.03	0.01		0.00	
30	3.20	0.52	0.52	2.40	0.24	3.52	5.20	0.38	0.03	0.01		0.00	
31		0.52		1.76	0.24		4.00		0.03	0.01		0.00	
TOTAL	26.50	38.67	91.40	57.19	14.74	103.17	365.78	49.59	3.88	0.39	0.01	0.00	751.32 CMSDAY
MEAN	0.88	1.25	3.05	1.84	0.48	3.44	11.80	1.65	0.13	0.01	0.00	0.00	2.06 CMS
MAX	6.16	5.44	16.00	3.84	0.96	13.56	43.42	5.20	0.45	0.04	0.01	0.00	43.42 CMS
MIN	0.17	0.52	0.45	0.24	0.24	0.24	2.72	0.38	0.03	0.00	0.00	0.00	0.00 CMS
RUNOFF	2.290	3.341	7.897	4.941	1.274	8.914	31.603	4.285	0.335	0.034	0.001	0.000	64.914 MCM

MOMENTARY PEAK 116.40 CMS, AT 3.70 M (A.D), AT 2.00 HOURS, ON OCT 19, 1984

RUNOFF YIELD 3.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 222.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

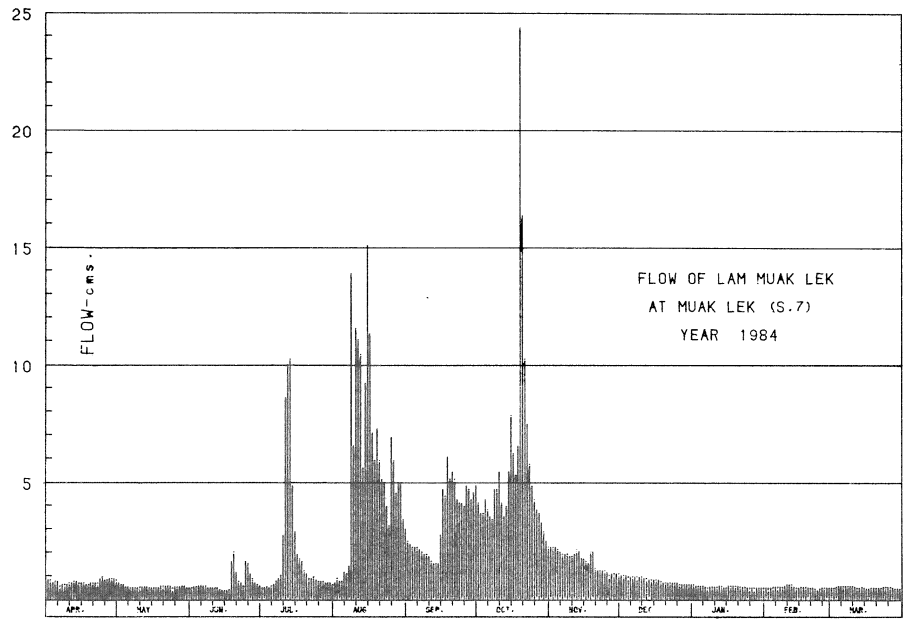
LAM MUAK LEK AT MUAK LEK, SARABURI (S.7)

LOCATION	LAT. 14-38-04 N., LONG. 101-12-37 E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF SARABURI - NAKHON RATCHASIMA HIGHWAY, TAMBON MUAK LEK, AMPHOE MUAK LEK, SARABURI.
DRAINAGE AREA	177 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+6.919 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.42	0.38	0.38	0.42	0.62	0.74	0.60	0.47	0.41	0.38	0.38	
2	0.44	0.41	0.39	0.38	0.45	0.61	0.71	0.60	0.47	0.40	0.38	0.38	
3	0.42	0.41	0.39	0.39	0.43	0.60	0.71	0.60	0.47	0.40	0.38	0.39	
4	0.43	0.39	0.40	0.38	0.43	0.60	0.75	0.59	0.46	0.40	0.39	0.40	
5	0.43	0.39	0.40	0.40	0.49	0.60	0.72	0.58	0.46	0.40	0.39	0.40	
6	0.40	0.38	0.40	0.41	0.48	0.59	0.70	0.57	0.46	0.39	0.39	0.40	
7	0.41	0.38	0.40	0.43	0.52	0.58	0.69	0.57	0.46	0.38	0.39	0.40	
8	0.41	0.38	0.38	0.45	1.25	0.57	0.78	0.57	0.46	0.39	0.39	0.40	
9	0.41	0.38	0.38	0.47	0.90	0.57	0.78	0.56	0.46	0.39	0.40	0.40	
10	0.42	0.39	0.38	0.64	1.15	0.56	0.83	0.56	0.46	0.39	0.41	0.40	
11	0.42	0.39	0.38	1.01	1.13	0.54	0.74	0.57	0.45	0.39	0.41	0.39	
12	0.43	0.39	0.38	1.08	1.10	0.53	0.70	0.59	0.45	0.40	0.41	0.38	
13	0.43	0.39	0.36	1.09	0.84	0.53	0.73	0.58	0.44	0.40	0.39	0.38	
14	0.42	0.38	0.35	0.79	1.04	0.53	0.83	0.55	0.44	0.38	0.38	0.39	
15	0.42	0.38	0.35	0.65	1.30	0.64	0.97	0.55	0.44	0.38	0.38	0.38	
16	0.42	0.38	0.35	0.57	1.14	0.78	0.88	0.54	0.44	0.40	0.39	0.37	
17	0.41	0.38	0.36	0.55	0.93	0.76	0.82	0.53	0.44	0.40	0.39	0.37	
18	0.41	0.38	0.54	0.54	0.86	0.87	0.90	0.52	0.43	0.40	0.39	0.38	
19	0.42	0.40	0.58	0.50	0.94	0.81	1.64	0.52	0.42	0.40	0.38	0.38	
20	0.42	0.40	0.49	0.48	0.86	0.83	1.35	0.51	0.42	0.40	0.38	0.38	
21	0.42	0.40	0.43	0.45	0.81	0.81	1.09	0.50	0.42	0.39	0.38	0.38	
22	0.42	0.40	0.42	0.45	0.80	0.75	0.95	0.50	0.42	0.39	0.37	0.38	
23	0.45	0.40	0.40	0.46	0.73	0.74	0.85	0.50	0.42	0.39	0.35	0.39	
24	0.46	0.38	0.54	0.44	0.67	0.74	0.79	0.50	0.42	0.38	0.37	0.39	
25	0.44	0.39	0.53	0.43	0.92	0.73	0.75	0.49	0.42	0.38	0.38	0.39	
26	0.44	0.39	0.48	0.43	0.86	0.79	0.72	0.47	0.41	0.38	0.38	0.39	
27	0.45	0.39	0.45	0.43	0.77	0.78	0.71	0.48	0.41	0.38	0.38	0.38	
28	0.45	0.40	0.42	0.42	0.80	0.75	0.68	0.48	0.41	0.38	0.38	0.37	
29	0.45	0.40	0.41	0.42	0.80	0.77	0.65	0.48	0.41	0.38		0.37	
30	0.44	0.38	0.40	0.42	0.69	0.79	0.62	0.48	0.41	0.38		0.37	
31		0.38		0.41	0.66		0.60		0.41	0.38		0.40	
MEAN	0.43	0.39	0.42	0.53	0.81	0.68	0.82	0.54	0.44	0.39	0.39	0.39	
MAX	0.46	0.42	0.58	1.09	1.30	0.87	1.64	0.60	0.47	0.41	0.41	0.40	1.64
MIN	0.40	0.38	0.35	0.38	0.42	0.53	0.60	0.47	0.41	0.38	0.35	0.37	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.94 M (A.D), AT 14.00 HOURS, ON OCT 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.14 M (A.D)
LEFT BANK ELEVATION 6.08 M (A.D)
RIGHT BANK ELEVATION 6.12 M (A.D), DRAINAGE AREA 177 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.86	0.73	0.52	0.52	0.73	2.51	4.13	2.25	1.05	0.66	0.52	0.52	
2	0.86	0.66	0.56	0.52	0.92	2.38	3.69	2.25	1.05	0.60	0.52	0.52	
3	0.73	0.66	0.56	0.56	0.80	2.25	3.69	2.25	1.05	0.60	0.52	0.56	
4	0.80	0.56	0.60	0.52	0.80	2.25	4.28	2.15	0.99	0.60	0.56	0.60	
5	0.80	0.56	0.60	0.60	1.19	2.25	3.84	2.05	0.99	0.60	0.56	0.60	
6	0.60	0.52	0.60	0.66	1.12	2.15	3.55	1.95	0.99	0.56	0.56	0.60	
7	0.66	0.52	0.60	0.80	1.45	2.05	3.42	1.95	0.99	0.52	0.56	0.60	
8	0.66	0.52	0.52	0.92	13.88	1.95	4.71	1.95	0.99	0.56	0.56	0.60	
9	0.66	0.52	0.52	1.05	6.55	1.95	4.71	1.85	0.99	0.56	0.60	0.60	
10	0.73	0.56	0.52	2.77	11.55	1.85	5.46	1.85	0.99	0.56	0.66	0.60	
11	0.73	0.56	0.52	8.60	11.11	1.65	4.13	1.95	0.92	0.56	0.66	0.56	
12	0.80	0.56	0.52	10.04	10.45	1.55	3.55	2.15	0.92	0.60	0.66	0.52	
13	0.80	0.56	0.44	10.25	5.62	1.55	3.99	2.05	0.86	0.60	0.56	0.52	
14	0.73	0.52	0.40	4.86	9.22	1.55	5.46	1.75	0.86	0.52	0.52	0.56	
15	0.73	0.52	0.40	2.90	15.10	2.77	7.85	1.75	0.86	0.52	0.52	0.52	
16	0.73	0.52	0.40	1.95	11.33	4.71	6.24	1.65	0.86	0.60	0.56	0.48	
17	0.66	0.52	0.44	1.75	7.11	4.42	5.31	1.55	0.86	0.60	0.56	0.48	
18	0.66	0.52	1.65	1.65	5.93	6.09	6.55	1.45	0.80	0.60	0.56	0.52	
19	0.73	0.60	2.05	1.25	7.29	5.15	24.37	1.45	0.73	0.60	0.52	0.52	
20	0.73	0.60	1.19	1.12	5.93	5.46	16.38	1.35	0.73	0.60	0.52	0.52	
21	0.73	0.60	0.80	0.92	5.15	5.15	10.25	1.25	0.73	0.56	0.52	0.52	
22	0.73	0.60	0.73	0.92	5.00	4.28	7.48	1.25	0.73	0.56	0.48	0.52	
23	0.92	0.60	0.60	0.99	3.99	4.13	5.78	1.25	0.73	0.56	0.40	0.56	
24	0.99	0.52	1.65	0.86	3.16	4.13	4.86	1.25	0.73	0.52	0.48	0.56	
25	0.86	0.56	1.55	0.80	6.92	3.99	4.28	1.19	0.73	0.52	0.52	0.56	
26	0.86	0.56	1.12	0.80	5.93	4.86	3.84	1.05	0.66	0.52	0.52	0.56	
27	0.92	0.56	0.92	0.80	4.56	4.71	3.69	1.12	0.66	0.52	0.52	0.52	
28	0.92	0.60	0.73	0.73	5.00	4.28	3.29	1.12	0.66	0.52	0.52	0.48	
29	0.92	0.60	0.66	0.73	5.00	4.56	2.90	1.12	0.66	0.52		0.48	
30	0.86	0.52	0.60	0.73	3.42	4.86	2.51	1.12	0.66	0.52		0.48	
31		0.52		0.66	3.03		2.25		0.66	0.52		0.60	
TOTAL	23.37	17.53	22.97	62.23	179.24	101.44	176.44	49.32	26.09	17.46	15.22	16.84	708.15 CMSDAY
MEAN	0.78	0.57	0.77	2.01	5.78	3.38	5.69	1.64	0.84	0.56	0.54	0.54	1.94 CMS
MAX	0.99	0.73	2.05	10.25	15.10	6.09	24.37	2.25	1.05	0.66	0.66	0.60	24.37 CMS
MIN	0.60	0.52	0.40	0.52	0.73	1.55	2.25	1.05	0.66	0.52	0.40	0.48	0.40 CMS
RUNOFF	2.019	1.515	1.985	5.377	15.486	8.764	15.244	4.261	2.254	1.509	1.315	1.455	61.184 MCM

MOMENTARY PEAK 34.04 CMS, AT 1.94 M (A.D), AT 14.00 HOURS, ON OCT 19, 1984

RUNOFF YIELD 10.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 192.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

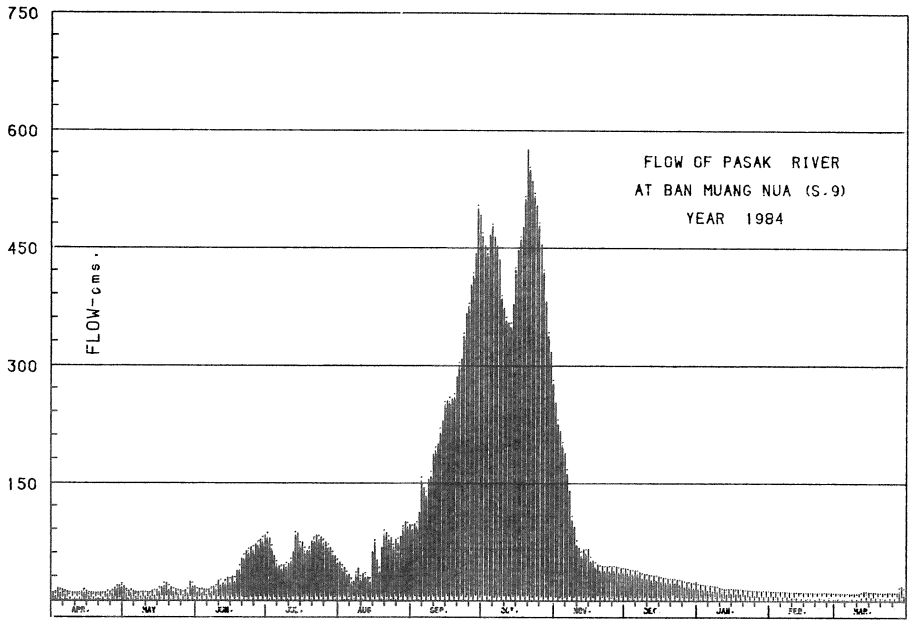
PASAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.492 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+23.099 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.47	8.73	8.66	9.95	9.38	10.09	13.56	11.79	9.23	8.81	8.53	8.45	
2	8.51	8.62	8.64	9.85	9.31	10.11	13.44	11.59	9.21	8.79	8.52	8.44	
3	8.66	8.55	8.64	9.72	9.24	10.15	13.40	11.44	9.19	8.78	8.52	8.44	
4	8.63	8.61	8.61	9.53	9.15	10.31	13.54	11.30	9.18	8.77	8.52	8.43	
5	8.60	8.54	8.59	9.41	9.07	10.84	13.64	11.16	9.17	8.76	8.51	8.44	
6	8.56	8.50	8.61	9.28	8.97	10.69	13.52	10.95	9.16	8.76	8.51	8.44	
7	8.52	8.49	8.70	9.30	8.89	10.64	13.43	10.65	9.13	8.74	8.51	8.43	
8	8.49	8.50	8.71	9.31	9.13	10.81	13.30	10.25	9.10	8.74	8.50	8.43	
9	8.48	8.51	8.77	9.37	9.23	10.92	12.95	10.06	9.09	8.72	8.49	8.43	
10	8.47	8.50	8.91	9.34	9.04	11.15	12.82	9.81	9.08	8.68	8.49	8.43	
11	8.47	8.49	8.93	9.48	9.08	11.24	12.72	9.68	9.06	8.65	8.49	8.43	
12	8.48	8.49	8.82	9.60	9.11	11.28	12.66	9.61	9.05	8.64	8.49	8.48	
13	8.50	8.55	8.93	9.97	9.00	11.48	12.66	9.65	9.05	8.63	8.48	8.52	
14	8.62	8.59	8.99	9.94	8.98	11.57	12.86	9.65	9.04	8.64	8.48	8.52	
15	8.54	8.58	8.97	9.78	9.60	11.80	13.22	9.66	9.02	8.64	8.47	8.50	
16	8.49	8.71	9.02	9.78	9.82	11.81	13.39	9.51	9.00	8.63	8.47	8.49	
17	8.48	8.70	9.00	9.68	9.44	11.85	13.52	9.43	8.99	8.62	8.47	8.49	
18	8.47	8.85	9.16	9.62	9.25	11.83	13.61	9.38	8.98	8.62	8.47	8.48	
19	8.46	8.84	9.31	9.69	9.68	11.89	13.89	9.33	8.97	8.61	8.46	8.47	
20	8.46	8.77	9.47	9.80	10.00	12.09	14.29	9.30	8.96	8.60	8.46	8.47	
21	8.47	8.70	9.56	9.87	9.95	12.24	14.14	9.29	8.96	8.59	8.46	8.46	
22	8.48	8.66	9.62	9.91	9.89	12.28	14.02	9.28	8.95	8.58	8.47	8.46	
23	8.49	8.62	9.66	9.90	9.86	12.55	13.92	9.28	8.94	8.57	8.47	8.48	
24	8.57	8.59	9.69	9.87	9.74	12.76	13.81	9.28	8.93	8.56	8.48	8.47	
25	8.52	8.56	9.71	9.83	9.83	12.87	13.65	9.28	8.92	8.56	8.47	8.47	
26	8.59	8.53	9.74	9.78	9.85	13.05	13.45	9.28	8.89	8.55	8.46	8.46	
27	8.67	8.58	9.80	9.74	9.88	13.17	13.20	9.27	8.88	8.55	8.46	8.47	
28	8.76	8.65	9.83	9.68	10.08	13.36	12.89	9.25	8.87	8.54	8.45	8.70	
29	8.76	8.88	9.88	9.61	10.15	13.81	12.56	9.24	8.85	8.55		8.73	
30	8.82	8.85	9.91	9.53	10.14	13.72	12.35	9.23	8.83	8.55		8.66	
31		8.73		9.45	10.10		12.05		8.87	8.54		8.63	
MEAN	8.55	8.63	9.16	9.66	9.51	11.75	13.31	9.90	9.02	8.64	8.48	8.49	
MAX	8.82	8.88	9.91	9.97	10.15	13.81	14.29	11.79	9.23	8.81	8.53	8.73	14.29
MIN	8.46	8.49	8.59	9.28	8.89	10.09	12.05	9.23	8.83	8.54	8.45	8.43	8.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.31 M (MSL), AT 6.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 7.49 M (MSL), RIVER BED 6.13 M (MSL)
LEFT BANK ELEVATION 23.10 M (MSL)
RIGHT BANK ELEVATION 23.25 M (MSL), DRAINAGE AREA 14374 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.1	18.2	15.8	86.5	49.0	96.3	469.4	252.9	41.5	21.4	11.9	9.5	
2	11.3	14.6	15.2	79.5	45.5	97.7	453.2	231.0	40.5	20.6	11.6	9.2	
3	15.8	12.5	15.2	70.4	42.0	100.5	448.0	216.0	39.5	20.2	11.6	9.2	
4	14.9	14.3	14.3	57.1	37.5	112.8	466.6	202.0	39.0	19.8	11.6	8.9	
5	14.0	12.2	13.7	50.5	33.5	157.6	480.6	188.0	38.5	19.4	11.3	9.2	
6	12.8	11.0	14.3	44.0	28.5	144.1	463.8	167.5	38.0	19.4	11.3	9.2	
7	11.6	10.7	17.0	45.0	24.6	139.6	451.9	140.5	36.5	18.6	11.3	8.9	
8	10.7	11.0	17.4	45.5	36.5	154.9	435.0	108.0	35.0	18.6	11.0	8.9	
9	10.4	11.3	19.8	48.5	41.5	164.8	389.5	94.2	34.5	17.8	10.7	8.9	
10	10.1	11.0	25.5	47.0	32.0	187.0	373.4	76.7	34.0	16.4	10.7	8.9	
11	10.1	10.7	26.5	54.0	34.0	196.0	361.4	67.6	33.0	15.5	10.7	8.9	
12	10.4	10.7	21.8	62.0	35.5	200.0	354.2	62.7	32.5	15.2	10.7	10.4	
13	11.0	12.5	26.5	87.9	30.0	220.0	354.2	65.5	32.5	14.9	10.4	11.6	
14	14.6	13.7	29.5	85.8	29.0	229.0	378.2	65.5	32.0	15.2	10.4	11.6	
15	12.2	13.4	28.5	74.6	62.0	254.0	424.6	66.2	31.0	15.2	10.1	11.0	
16	10.7	17.4	31.0	74.6	77.4	255.1	446.7	55.7	30.0	14.9	10.1	10.7	
17	10.4	17.0	30.0	67.6	52.0	259.5	463.8	51.5	29.5	14.6	10.1	10.7	
18	10.1	23.0	38.0	63.4	42.5	257.3	476.4	49.0	29.0	14.6	10.1	10.4	
19	9.8	22.6	45.5	68.3	67.6	263.9	515.6	46.5	28.5	14.3	9.8	10.1	
20	9.8	19.8	53.5	76.0	90.0	285.9	575.5	45.0	28.0	14.0	9.8	10.1	
21	10.1	17.0	59.2	80.9	86.5	303.8	553.0	44.5	28.0	13.7	9.8	9.8	
22	10.4	15.8	63.4	83.7	82.3	308.6	535.0	44.0	27.5	13.4	10.1	9.8	
23	10.7	14.6	66.2	83.0	80.2	341.0	520.0	44.0	27.0	13.1	10.1	10.4	
24	13.1	13.7	68.3	80.9	71.8	366.2	504.4	44.0	26.5	12.8	10.4	10.1	
25	11.6	12.8	69.7	78.1	78.1	379.4	482.0	44.0	26.0	12.8	10.1	10.1	
26	13.7	11.9	71.8	74.6	79.5	402.5	454.5	44.0	24.6	12.5	9.8	9.8	
27	16.1	13.4	76.0	71.8	81.6	418.1	422.0	43.5	24.2	12.5	9.8	10.1	
28	19.4	15.5	78.1	67.6	95.6	442.8	381.8	42.5	23.8	12.2	9.5	17.0	
29	19.4	24.2	81.6	62.7	100.5	504.4	342.2	42.0	23.0	12.5		18.2	
30	21.8	23.0	83.7	57.1	99.8	491.8	317.0	41.5	22.2	12.5		15.8	
31		18.2		52.5	97.0		281.5		23.8	12.2		14.9	
TOTAL	377.1	467.7	1217.0	2081.1	1843.5	7734.6	13575.4	2686.0	959.6	480.8	294.8	332.3	32049.9 CMSDAY
MEAN	12.6	15.1	40.6	67.1	59.5	257.8	437.9	89.5	31.0	15.5	10.5	10.7	87.8 CMS
MAX	21.8	24.2	83.7	87.9	100.5	504.4	575.5	252.9	41.5	21.4	11.9	18.2	575.5 CMS
MIN	9.8	10.7	13.7	44.0	24.6	96.3	281.5	41.5	22.2	12.2	9.5	8.9	8.9 CMS
RUNOFF	32.58	40.41	105.15	179.81	159.28	668.27	1172.91	232.07	82.91	41.54	25.47	28.71	2769.11 MCM

MOMENTARY PEAK 578.50 CMS, AT 14.31 M (MSL), AT 6.00 HOURS, ON OCT 20, 1984
RUNOFF YIELD 6.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 40.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

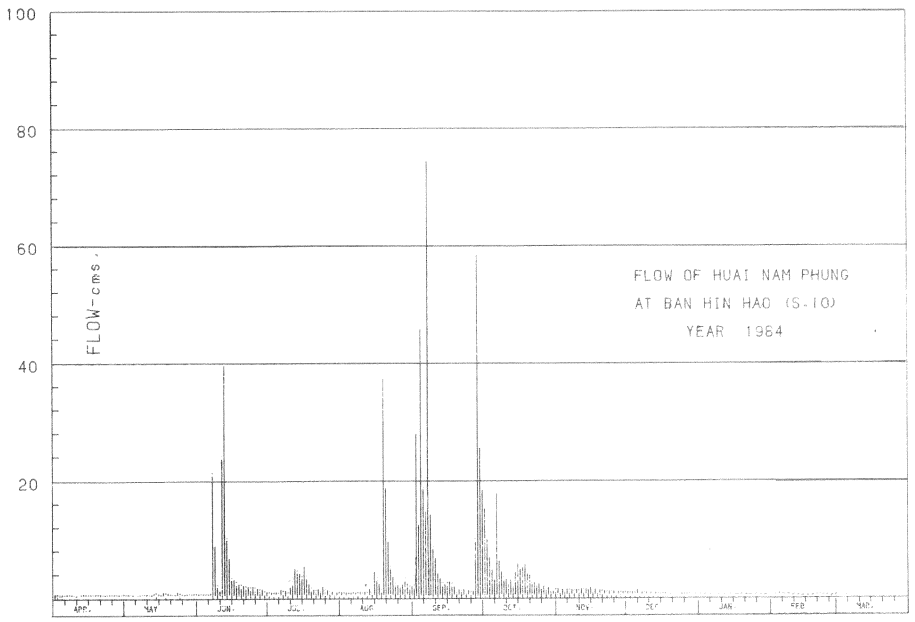
HUAI NAM PHUNG AT BAN HIN HAO, PHETCHABUN (S.10)

LOCATION	LAT. 16-56-50 N., LONG. 101-13-10 E., ON RIGHT BANK ABOUT 70 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE LOM KAO, PHETCHABUN.
DRAINAGE AREA	268 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+8.823 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.36	0.38	0.48	0.48	0.70	1.73	0.58	0.47	0.36	0.33	0.29	
2	0.38	0.36	0.40	0.47	0.46	2.27	1.38	0.57	0.46	0.35	0.33	0.29	
3	0.35	0.35	0.39	0.45	0.45	1.56	1.20	0.56	0.45	0.35	0.32	0.28	
4	0.35	0.34	0.38	0.48	0.44	2.85	0.97	0.57	0.44	0.36	0.32	0.26	
5	0.34	0.31	0.37	0.46	0.45	1.88	0.86	0.57	0.55	0.34	0.32	0.26	
6	0.36	0.28	0.41	0.57	0.47	1.67	1.83	0.57	0.45	0.33	0.32	0.27	
7	0.36	0.34	2.00	0.54	0.46	3.53	1.15	0.56	0.43	0.32	0.32	0.28	
8	0.35	0.38	1.30	0.53	0.48	1.64	0.94	0.56	0.43	0.32	0.30	0.29	
9	0.33	0.38	0.70	0.48	0.49	1.29	0.85	0.56	0.43	0.32	0.31	0.29	
10	0.30	0.37	0.52	0.63	0.47	1.14	0.81	0.57	0.43	0.33	0.31	0.26	
11	0.32	0.35	2.12	0.78	0.49	0.97	0.78	0.58	0.42	0.32	0.30	0.25	
12	0.34	0.34	2.67	0.99	0.50	0.83	0.81	0.57	0.42	0.31	0.28	0.24	
13	0.38	0.41	1.40	0.96	0.59	0.75	0.74	0.57	0.42	0.32	0.29	0.24	
14	0.36	0.47	1.14	0.91	0.58	0.70	0.93	0.68	0.41	0.31	0.29	0.24	
15	0.35	0.39	0.84	0.87	0.94	0.75	1.11	0.62	0.39	0.30	0.28	0.24	
16	0.35	0.35	0.81	1.03	0.85	0.76	0.98	0.58	0.39	0.31	0.28	0.25	
17	0.35	0.47	0.77	0.88	0.71	0.74	1.06	0.56	0.39	0.29	0.28	0.25	
18	0.37	0.45	0.71	0.71	0.61	0.64	1.06	0.56	0.38	0.28	0.29	0.24	
19	0.38	0.43	0.71	0.64	2.60	0.60	0.97	0.55	0.38	0.29	0.30	0.25	
20	0.37	0.38	0.68	0.57	1.89	0.57	0.88	0.53	0.38	0.28	0.29	0.25	
21	0.34	0.35	0.67	0.57	1.35	0.57	0.79	0.52	0.38	0.28	0.29	0.24	
22	0.33	0.37	0.65	0.59	1.03	0.57	0.74	0.51	0.38	0.29	0.30	0.24	
23	0.35	0.49	0.65	0.61	0.85	0.56	0.72	0.50	0.37	0.29	0.29	0.23	
24	0.35	0.44	0.66	0.65	0.73	0.53	0.71	0.50	0.37	0.29	0.29	0.24	
25	0.36	0.38	0.64	0.58	0.68	0.51	0.68	0.49	0.37	0.28	0.30	0.25	
26	0.37	0.35	0.61	0.55	0.72	0.51	0.66	0.49	0.37	0.27	0.30	0.26	
27	0.35	0.37	0.60	0.53	0.70	1.39	0.65	0.48	0.37	0.26	0.30	0.26	
28	0.35	0.40	0.58	0.49	0.84	3.17	0.62	0.48	0.37	0.28	0.30	0.26	
29	0.34	0.39	0.53	0.45	0.72	2.19	0.60	0.48	0.37	0.29		0.26	
30	0.38	0.40	0.48	0.46	0.67	1.86	0.50	0.47	0.37	0.29		0.25	
31		0.41		0.48	0.66		0.60		0.37	0.29		0.25	
MEAN	0.35	0.38	0.83	0.63	0.75	1.26	0.91	0.55	0.41	0.31	0.30	0.26	
MAX	0.38	0.49	2.67	1.03	2.60	3.53	1.83	0.68	0.55	0.36	0.33	0.29	3.53
MIN	0.30	0.28	0.37	0.45	0.44	0.51	0.50	0.47	0.37	0.26	0.28	0.23	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.98 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.20 M (A.D)
LEFT BANK ELEVATION 9.24 M (A.D)
RIGHT BANK ELEVATION 8.45 M (A.D), DRAINAGE AREA 268 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	0.68	0.74	1.04	1.04	2.30	15.87	1.50	1.01	0.68	0.59	0.47	
2	0.74	0.68	0.80	1.01	0.98	27.95	10.02	1.45	0.98	0.65	0.59	0.47	
3	0.65	0.65	0.77	0.95	0.95	12.86	7.50	1.40	0.95	0.65	0.56	0.44	
4	0.65	0.62	0.74	1.04	0.92	45.85	4.80	1.45	0.92	0.68	0.56	0.38	
5	0.62	0.53	0.71	0.98	0.95	18.88	3.70	1.45	1.35	0.62	0.56	0.38	
6	0.68	0.44	0.83	1.45	1.01	14.76	17.83	1.45	0.95	0.59	0.56	0.41	
7	0.68	0.62	21.40	1.30	0.98	74.74	6.90	1.40	0.89	0.56	0.56	0.44	
8	0.65	0.74	8.90	1.25	1.04	14.22	4.50	1.40	0.89	0.56	0.50	0.47	
9	0.59	0.74	2.30	1.04	1.07	8.76	3.60	1.40	0.89	0.56	0.53	0.47	
10	0.50	0.71	1.20	1.81	1.01	6.78	3.20	1.45	0.89	0.59	0.53	0.38	
11	0.56	0.65	24.28	2.94	1.07	4.80	2.94	1.50	0.86	0.56	0.50	0.35	
12	0.62	0.62	39.64	5.00	1.10	3.40	3.20	1.45	0.86	0.53	0.44	0.32	
13	0.74	0.83	10.30	4.70	1.55	2.70	2.62	1.45	0.86	0.56	0.47	0.32	
14	0.68	1.01	6.78	4.20	1.50	2.30	4.40	2.16	0.83	0.53	0.47	0.32	
15	0.65	0.77	3.50	3.80	4.50	2.70	6.42	1.74	0.77	0.50	0.44	0.32	
16	0.65	0.65	3.20	5.46	3.60	2.78	4.90	1.50	0.77	0.53	0.44	0.35	
17	0.65	1.01	2.86	3.90	2.38	2.62	5.82	1.40	0.77	0.47	0.44	0.35	
18	0.71	0.95	2.38	2.38	1.67	1.88	5.82	1.40	0.74	0.44	0.47	0.32	
19	0.74	0.89	2.38	1.88	37.40	1.60	4.80	1.35	0.74	0.47	0.50	0.35	
20	0.71	0.74	2.16	1.45	19.09	1.45	3.90	1.25	0.74	0.44	0.47	0.35	
21	0.62	0.65	2.09	1.45	9.60	1.45	3.02	1.20	0.74	0.44	0.47	0.32	
22	0.59	0.71	1.95	1.55	5.46	1.45	2.62	1.15	0.74	0.47	0.50	0.32	
23	0.65	1.07	1.95	1.67	3.60	1.40	2.46	1.10	0.71	0.47	0.47	0.29	
24	0.65	0.92	2.02	1.95	2.54	1.25	2.38	1.10	0.71	0.47	0.47	0.32	
25	0.68	0.74	1.88	1.50	2.16	1.15	2.16	1.07	0.71	0.44	0.50	0.35	
26	0.71	0.65	1.67	1.35	2.46	1.15	2.02	1.07	0.71	0.41	0.50	0.38	
27	0.65	0.71	1.60	1.25	2.30	10.16	1.95	1.04	0.71	0.38	0.50	0.38	
28	0.65	0.80	1.50	1.07	3.50	58.41	1.74	1.04	0.71	0.44	0.50	0.38	
29	0.62	0.77	1.25	0.95	2.46	25.96	1.60	1.04	0.71	0.47		0.38	
30	0.74	0.80	1.04	0.98	2.09	18.46	1.10	1.01	0.71	0.47		0.35	
31		0.83		1.04	2.02		1.60		0.71	0.47		0.35	
TOTAL	19.77	23.18	152.82	62.34	122.00	374.17	145.39	40.37	25.53	16.10	14.09	11.48	1007.24 CMSDAY
MEAN	0.66	0.75	5.09	2.01	3.94	12.47	4.69	1.35	0.82	0.52	0.50	0.37	2.76 CMS
MAX	0.74	1.07	39.64	5.46	37.40	74.74	17.83	2.16	1.35	0.68	0.59	0.47	74.74 CMS
MIN	0.50	0.44	0.71	0.95	0.92	1.15	1.10	1.01	0.71	0.38	0.44	0.29	0.29 CMS
RUNOFF	1.708	2.003	13.204	5.386	10.541	32.328	12.562	3.488	2.206	1.391	1.217	0.992	87.026 MCM

MOMENTARY PEAK 158.60 CMS, AT 4.98 M (A.D), AT 12.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 10.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 591.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

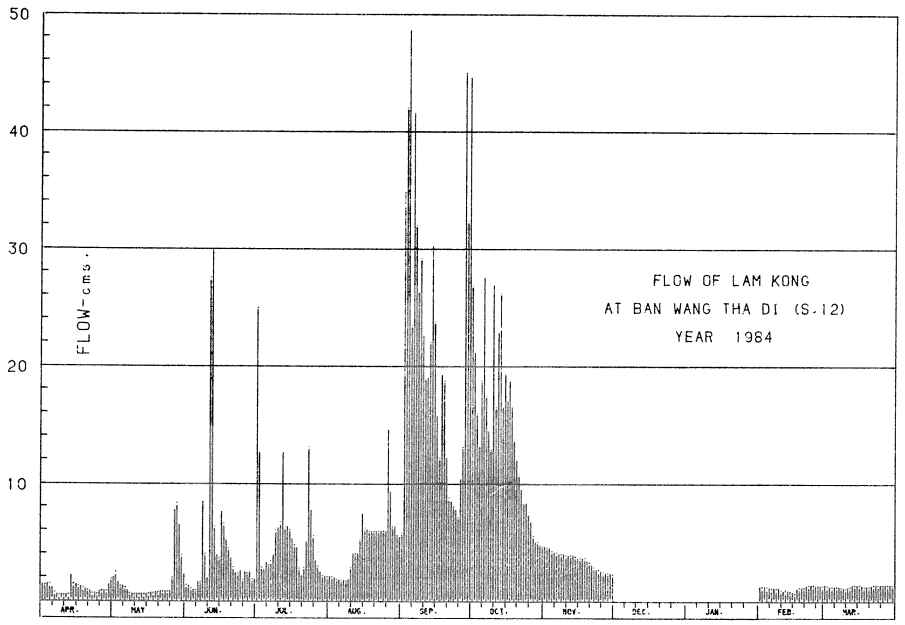
LAM KONG AT BAN WANG THA DI, PHETCHABUN (S.12)

LOCATION	LAT. 15-59-50 N., LONG. 101-14-28 E., ON LEFT BANK AT BAN WANG THA DI, AMPHOE NONG PHAI, PHETCHABUN.
DRAINAGE AREA	471 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+5.792 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.NO RECORDS ON DEC.1,84-JAN.31,85. STAGE-DISCHARGE RELATION DEFINED BY 73 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.78	0.70	1.99	0.79	1.11	2.05	1.02	*******	*******	0.68	0.70	
2	0.70	0.83	0.69	1.52	0.79	2.28	1.86	1.01	*******	*******	0.68	0.69	
3	0.71	0.73	0.66	0.87	0.78	2.46	1.66	1.01	*******	*******	0.68	0.68	
4	0.71	0.69	0.64	0.85	0.76	2.61	1.54	0.99	*******	*******	0.68	0.68	
5	0.66	0.69	0.64	0.93	0.75	1.94	1.77	0.98	*******	*******	0.67	0.68	
6	0.61	0.67	0.73	0.89	0.75	2.45	2.07	0.98	*******	*******	0.66	0.68	
7	0.57	0.63	0.73	0.92	0.75	2.20	1.72	0.97	*******	*******	0.66	0.68	
8	0.56	0.60	1.30	0.96	0.74	2.03	1.60	0.97	*******	*******	0.66	0.67	
9	0.56	0.58	0.97	1.13	0.76	2.12	1.53	0.97	*******	*******	0.66	0.66	
10	0.56	0.58	0.77	1.14	0.87	1.91	2.05	0.96	*******	*******	0.64	0.66	
11	0.56	0.58	2.07	1.18	0.97	1.78	1.68	0.96	*******	*******	0.62	0.67	
12	0.57	0.58	2.14	1.52	0.97	1.78	1.92	0.96	*******	*******	0.64	0.68	
13	0.80	0.58	1.15	1.15	0.97	1.89	2.03	0.96	*******	*******	0.63	0.70	
14	0.71	0.58	0.96	1.15	1.07	2.15	1.68	0.95	*******	*******	0.62	0.70	
15	0.70	0.58	0.94	1.13	1.23	1.95	1.80	0.94	*******	*******	0.61	0.70	
16	0.69	0.59	1.24	1.07	1.14	1.65	1.70	0.94	*******	*******	0.60	0.70	
17	0.68	0.60	1.17	1.03	1.13	1.50	1.78	0.94	*******	*******	0.65	0.69	
18	0.67	0.60	1.06	1.01	1.12	1.79	1.68	0.94	*******	*******	0.67	0.68	
19	0.65	0.61	1.01	0.86	1.12	1.77	1.57	0.92	*******	*******	0.67	0.68	
20	0.64	0.61	0.94	0.80	1.12	1.50	1.49	0.91	*******	*******	0.67	0.68	
21	0.62	0.62	0.87	0.87	1.12	1.32	1.43	0.89	*******	*******	0.69	0.69	
22	0.60	0.62	0.82	1.05	1.12	1.30	1.36	0.87	*******	*******	0.70	0.70	
23	0.60	0.62	0.82	1.54	1.12	1.27	1.30	0.85	*******	*******	0.70	0.70	
24	0.59	0.62	0.84	1.25	1.12	1.25	1.29	0.85	*******	*******	0.70	0.70	
25	0.62	0.62	0.76	1.09	1.12	1.21	1.24	0.84	*******	*******	0.69	0.70	
26	0.63	0.78	0.83	0.92	1.61	1.41	1.18	0.83	*******	*******	0.69	0.70	
27	0.63	1.25	0.82	0.88	1.35	1.54	1.09	0.82	*******	*******	0.69	0.70	
28	0.63	1.29	0.83	0.83	1.15	2.53	1.05	0.82	*******	*******	0.69	0.70	
29	0.70	1.16	0.76	0.80	1.15	2.21	1.05	0.82	*******	*******		0.70	
30	0.77	0.96	0.76	0.79	1.09	2.52	1.03	0.81	*******	*******		0.70	
31		0.81		0.79	1.08		1.02		*******	*******		0.70	
MEAN	0.65	0.71	0.95	1.06	1.02	1.85	1.56	0.92	*******	*******	0.66	0.69	
MAX	0.80	1.29	2.14	1.99	1.61	2.61	2.07	1.02	*******	*******	0.70	0.70	2.61
MIN	0.56	0.58	0.64	0.79	0.74	1.11	1.02	0.81	*******	*******	0.60	0.66	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.61 M (A.D), AT 1.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 7.31 M (A.D)
RIGHT BANK ELEVATION 5.06 M (A.D), DRAINAGE AREA 471 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	2.04	1.40	25.00	2.12	5.83	26.90	4.66	*******	*******	1.26	1.40	
2	1.40	2.50	1.33	12.66	2.12	34.88	21.18	4.53	*******	*******	1.26	1.33	
3	1.48	1.64	1.12	2.90	2.04	42.02	16.00	4.53	*******	*******	1.26	1.26	
4	1.48	1.33	0.98	2.70	1.88	48.66	13.12	4.28	*******	*******	1.26	1.26	
5	1.12	1.33	0.98	3.56	1.80	23.50	18.75	4.16	*******	*******	1.19	1.26	
6	0.77	1.19	1.64	3.10	1.80	41.60	27.54	4.16	*******	*******	1.12	1.26	
7	0.58	0.91	1.64	3.44	1.80	32.00	17.50	4.04	*******	*******	1.12	1.26	
8	0.54	0.70	8.50	3.92	1.72	26.26	14.50	4.04	*******	*******	1.12	1.19	
9	0.54	0.62	4.04	6.09	1.88	29.20	12.89	4.04	*******	*******	1.12	1.12	
10	0.54	0.62	1.96	6.22	2.90	22.60	26.90	3.92	*******	*******	0.98	1.12	
11	0.54	0.62	27.54	6.74	4.04	19.00	16.50	3.92	*******	*******	0.84	1.19	
12	0.58	0.62	29.90	12.66	4.04	19.00	22.90	3.92	*******	*******	0.98	1.26	
13	2.20	0.62	6.35	6.35	4.04	22.02	26.26	3.92	*******	*******	0.91	1.40	
14	1.48	0.62	3.92	6.35	5.31	30.25	16.50	3.80	*******	*******	0.84	1.40	
15	1.40	0.62	3.68	6.09	7.45	23.80	19.50	3.68	*******	*******	0.77	1.40	
16	1.33	0.66	7.60	5.31	6.22	15.75	17.00	3.68	*******	*******	0.70	1.40	
17	1.26	0.70	6.61	4.79	6.09	12.20	19.00	3.68	*******	*******	1.05	1.33	
18	1.19	0.70	5.18	4.53	5.96	19.25	16.50	3.68	*******	*******	1.19	1.26	
19	1.05	0.77	4.53	2.80	5.96	18.75	13.81	3.44	*******	*******	1.19	1.26	
20	0.98	0.77	3.68	2.20	5.96	12.20	12.00	3.32	*******	*******	1.19	1.26	
21	0.84	0.84	2.90	2.90	5.96	8.84	10.80	3.10	*******	*******	1.33	1.33	
22	0.70	0.84	2.40	5.05	5.96	8.50	9.52	2.90	*******	*******	1.40	1.40	
23	0.70	0.84	2.40	13.12	5.96	8.05	8.50	2.70	*******	*******	1.40	1.40	
24	0.66	0.84	2.60	7.75	5.96	7.75	8.35	2.70	*******	*******	1.40	1.40	
25	0.84	0.84	1.88	5.57	5.96	7.15	7.60	2.60	*******	*******	1.33	1.40	
26	0.91	2.04	2.50	3.44	14.75	10.40	6.74	2.50	*******	*******	1.33	1.40	
27	0.91	7.75	2.40	3.00	9.35	13.12	5.57	2.40	*******	*******	1.33	1.40	
28	0.91	8.35	2.50	2.50	6.35	45.05	5.05	2.40	*******	*******	1.33	1.40	
29	1.40	6.48	1.88	2.20	6.35	32.36	5.05	2.40	*******	*******		1.40	
30	1.96	3.92	1.88	2.12	5.57	44.60	4.79	2.30	*******	*******		1.40	
31		2.30		2.12	5.44		4.66		*******	*******		1.40	
TOTAL	31.69	54.62	145.92	177.18	152.74	684.59	451.88	105.40	*******	*******	32.20	40.95	******** CMSDAY
MEAN	1.06	1.76	4.86	5.72	4.93	22.82	14.58	3.51	*******	*******	1.15	1.32	******** CMS
MAX	2.20	8.35	29.90	25.00	14.75	48.66	27.54	4.66	*******	*******	1.40	1.40	48.66 CMS
MIN	0.54	0.62	0.98	2.12	1.72	5.83	4.66	2.30	*******	*******	0.70	1.12	******** CMS
RUNOFF	2.738	4.719	12.607	15.308	13.197	59.149	39.042	9.107	*******	*******	2.782	3.538	******** MCM

MOMENTARY PEAK 112.80 CMS, AT 3.61 M (A.D), AT 1.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 239.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

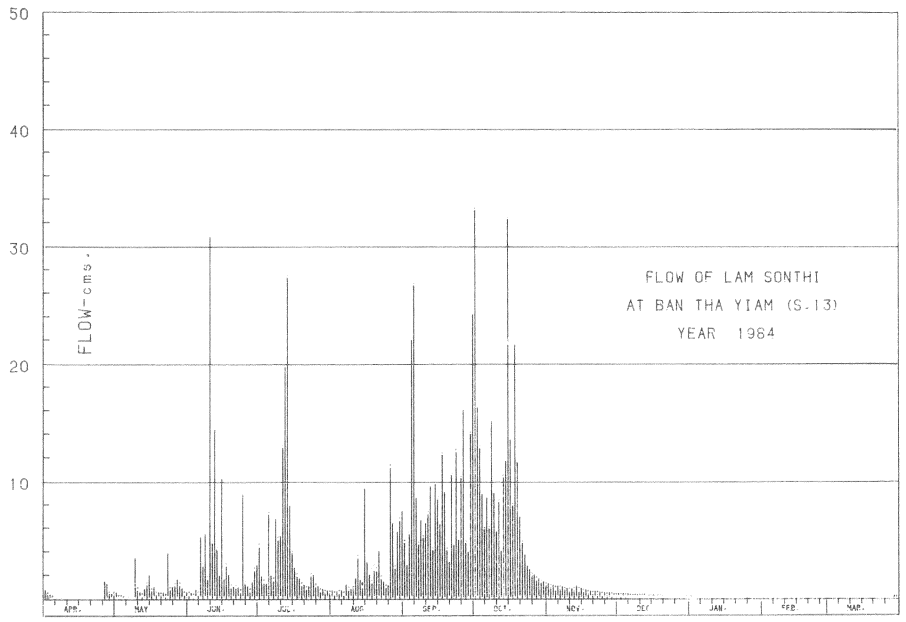
LAM SONTHI AT BAN THA YIAM, LOP BURI (S.13)

LOCATION	LAT. 15-20-21 N., LONG. 101-22-30 E., ON LEFT BANK NEAR WAT THA YIAM, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	359 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.697 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00 - 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 130 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.45	0.46	1.01	0.47	1.05	3.69	0.56	0.43	0.39	0.36	0.31	
2	0.45	0.42	0.44	0.66	0.46	0.80	2.20	0.55	0.43	0.39	0.36	0.31	
3	0.42	0.42	0.43	0.62	0.46	1.13	1.89	0.54	0.43	0.38	0.36	0.31	
4	0.41	0.40	0.48	0.56	0.48	2.73	1.47	0.53	0.43	0.38	0.36	0.31	
5	0.39	0.40	0.46	1.31	0.47	3.15	1.17	0.53	0.43	0.38	0.35	0.31	
6	0.38	0.38	1.08	0.67	0.46	1.44	1.44	0.53	0.42	0.38	0.35	0.31	
7	0.37	0.37	0.82	0.64	0.55	1.03	1.18	0.52	0.42	0.38	0.35	0.31	
8	0.35	0.37	1.11	1.25	0.52	1.24	2.09	0.51	0.42	0.38	0.35	0.30	
9	0.34	0.87	0.66	1.08	0.49	1.09	1.50	0.50	0.42	0.38	0.35	0.30	
10	0.34	0.52	3.49	1.09	0.53	1.21	1.13	0.50	0.42	0.38	0.35	0.30	
11	0.35	0.45	1.04	1.89	0.63	1.32	1.42	0.49	0.42	0.38	0.35	0.29	
12	0.34	0.44	2.02	2.52	0.90	1.54	0.94	0.51	0.42	0.37	0.35	0.29	
13	0.33	0.49	0.98	3.21	0.61	0.97	1.64	0.53	0.41	0.37	0.35	0.28	
14	0.32	0.58	0.67	1.37	0.55	1.56	1.76	0.51	0.41	0.37	0.34	0.28	
15	0.32	0.68	1.64	0.94	1.52	1.45	3.63	0.50	0.41	0.37	0.34	0.27	
16	0.31	0.50	0.62	0.77	0.86	1.20	1.94	0.49	0.41	0.37	0.34	0.27	
17	0.30	0.52	0.82	0.70	0.68	1.83	1.39	0.48	0.41	0.37	0.34	0.26	
18	0.30	0.46	0.68	0.63	0.61	1.49	2.69	0.47	0.41	0.37	0.34	0.26	
19	0.30	0.45	0.55	0.58	0.73	0.97	1.77	0.46	0.41	0.37	0.34	0.26	
20	0.29	0.45	0.52	0.55	0.77	0.83	1.27	0.46	0.40	0.37	0.34	0.25	
21	0.29	0.45	0.55	0.53	0.94	1.66	1.04	0.46	0.40	0.37	0.33	0.25	
22	0.28	0.43	0.51	0.53	0.67	1.00	0.90	0.46	0.40	0.37	0.33	0.25	
23	0.27	0.92	0.49	0.70	0.59	1.86	0.81	0.45	0.39	0.37	0.33	0.24	
24	0.26	0.52	1.47	0.68	0.55	1.05	0.75	0.45	0.39	0.37	0.33	0.24	
25	0.25	0.52	0.60	0.56	0.54	1.63	0.70	0.44	0.39	0.41	0.32	0.23	
26	0.61	0.57	0.53	0.53	1.73	2.18	0.68	0.44	0.39	0.38	0.32	0.23	
27	0.56	0.62	0.50	0.50	1.21	1.04	0.65	0.44	0.39	0.37	0.32	0.23	
28	0.46	0.58	0.58	0.49	0.79	0.93	0.63	0.44	0.39	0.37	0.32	0.22	
29	0.43	0.50	0.77	0.48	1.13	2.00	0.61	0.43	0.39	0.37		0.40	
30	0.46	0.46	0.80	0.47	1.26	2.92	0.59	0.43	0.39	0.37		0.39	
31		0.45		0.47	1.32		0.57		0.39	0.36		0.38	
MEAN	0.37	0.50	0.86	0.90	0.76	1.48	1.42	0.49	0.41	0.38	0.34	0.29	
MAX	0.61	0.92	3.49	3.21	1.73	3.15	3.69	0.56	0.43	0.41	0.36	0.40	3.69
MIN	0.25	0.37	0.43	0.47	0.46	0.80	0.57	0.43	0.39	0.36	0.32	0.22	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.58 M (A.D), AT 6.00 HOURS, ON OCT 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.03 M (A.D)
LEFT BANK ELEVATION 9.00 M (A.D)
RIGHT BANK ELEVATION 8.10 M (A.D), DRAINAGE AREA 359 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.77	0.57	0.64	4.69	0.71	5.02	33.28	1.29	0.45	0.22	0.15	0.02	
2	0.57	0.38	0.51	1.94	0.64	2.90	16.30	1.23	0.45	0.22	0.15	0.02	
3	0.38	0.38	0.45	1.68	0.64	5.72	13.05	1.16	0.45	0.20	0.15	0.02	
4	0.31	0.25	0.77	1.29	0.77	22.08	8.92	1.09	0.45	0.20	0.15	0.02	
5	0.22	0.25	0.64	7.39	0.71	26.87	6.08	1.09	0.45	0.20	0.12	0.02	
6	0.20	0.20	5.28	2.01	0.64	8.63	8.63	1.09	0.38	0.20	0.12	0.02	
7	0.18	0.18	3.07	1.81	1.23	4.85	6.17	1.03	0.38	0.20	0.12	0.02	
8	0.12	0.18	5.54	6.82	1.03	6.73	15.14	0.97	0.38	0.20	0.12	0.00	
9	0.10	3.50	1.94	5.28	0.84	5.37	9.20	0.90	0.38	0.20	0.12	0.00	
10	0.10	1.03	30.83	5.37	1.09	6.44	5.72	0.90	0.38	0.20	0.12	0.00	
11	0.12	0.57	4.94	13.05	1.75	7.49	8.44	0.84	0.38	0.20	0.12	0.00	
12	0.10	0.51	14.41	19.77	3.75	9.58	4.09	0.97	0.38	0.18	0.12	0.00	
13	0.08	0.84	4.43	27.56	1.62	4.35	10.55	1.09	0.31	0.18	0.12	0.00	
14	0.05	1.42	2.01	7.96	1.23	9.77	11.75	0.97	0.31	0.18	0.10	0.00	
15	0.05	2.07	10.55	4.09	9.39	8.73	32.53	0.90	0.31	0.18	0.10	0.00	
16	0.02	0.90	1.68	2.69	3.41	6.35	13.57	0.84	0.31	0.18	0.10	0.00	
17	0.00	1.03	3.07	2.20	2.07	12.45	8.15	0.77	0.31	0.18	0.10	0.00	
18	0.00	0.64	2.07	1.75	1.62	9.10	21.64	0.71	0.31	0.18	0.10	0.00	
19	0.00	0.57	1.23	1.42	2.41	4.35	11.85	0.64	0.31	0.18	0.10	0.00	
20	0.00	0.57	1.03	1.23	2.69	3.15	7.01	0.64	0.25	0.18	0.10	0.00	
21	0.00	0.57	1.23	1.09	4.09	10.75	4.94	0.64	0.25	0.18	0.08	0.00	
22	0.00	0.45	0.97	1.09	2.01	4.60	3.75	0.64	0.25	0.18	0.08	0.00	
23	0.00	3.92	0.84	2.20	1.48	12.75	2.99	0.57	0.22	0.18	0.08	0.00	
24	0.00	1.03	8.92	2.07	1.23	5.02	2.55	0.57	0.22	0.18	0.08	0.00	
25	0.00	1.03	1.55	1.29	1.16	10.45	2.20	0.51	0.22	0.31	0.05	0.00	
26	1.62	1.36	1.09	1.09	11.45	16.09	2.07	0.51	0.22	0.20	0.05	0.00	
27	1.29	1.68	0.90	0.90	6.44	4.94	1.87	0.51	0.22	0.18	0.05	0.00	
28	0.64	1.42	1.42	0.84	2.83	4.01	1.75	0.51	0.22	0.18	0.05	0.00	
29	0.45	0.90	2.69	0.77	5.72	14.20	1.62	0.45	0.22	0.18		0.25	
30	0.64	0.64	2.90	0.71	6.92	24.23	1.48	0.45	0.22	0.18		0.22	
31		0.57		0.71	7.49		1.36		0.22	0.15		0.20	
TOTAL	8.01	29.61	117.60	132.76	89.06	276.97	278.65	24.48	9.81	5.96	2.90	0.81	976.62 CMSDAY
MEAN	0.27	0.96	3.92	4.28	2.87	9.23	8.99	0.82	0.32	0.19	0.10	0.03	2.68 CMS
MAX	1.62	3.92	30.83	27.56	11.45	26.87	33.28	1.29	0.45	0.31	0.15	0.25	33.28 CMS
MIN	0.00	0.18	0.45	0.71	0.64	2.90	1.36	0.45	0.22	0.15	0.05	0.00	0.00 CMS
RUNOFF	0.692	2.558	10.161	11.470	7.695	23.930	24.075	2.115	0.848	0.515	0.251	0.070	84.380 MCM

MOMENTARY PEAK 44.64 CMS, AT 4.58 M (A.D), AT 6.00 HOURS, ON OCT 1, 1984
RUNOFF YIELD 7.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 124.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

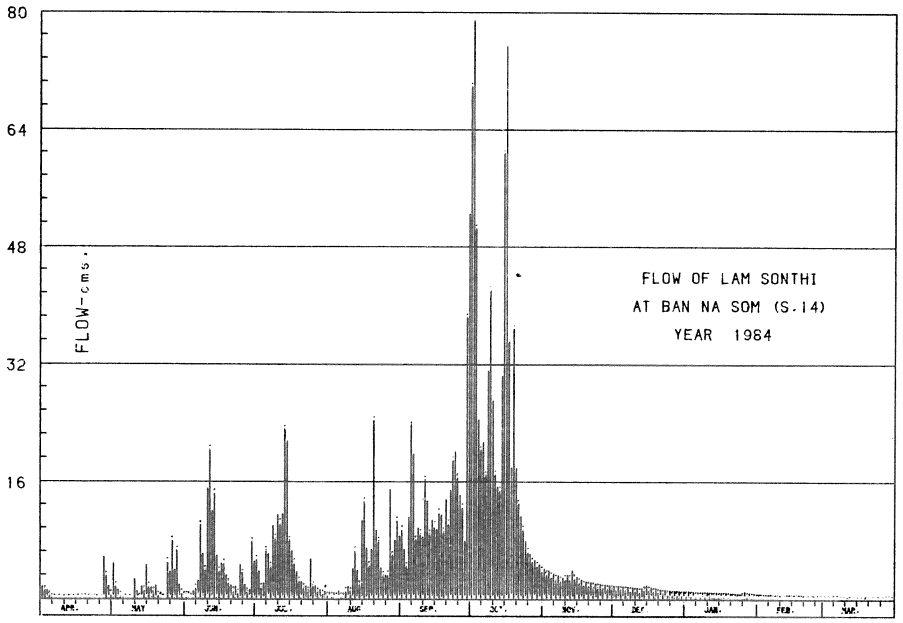
LAM SONTHI AT BAN NA SOM, LOP BURI (S.14)

LOCATION	LAT. 15-13-24 N., LONG. 101-16-51 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN NA SOM, TAMBON NONG YI TO, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	1,247 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE GAGE OBSERVER'S HOUSE.
ELEVATION	+10.065 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 129 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.57	2.18	1.40	2.33	1.39	2.78	6.61	2.08	1.62	1.43	1.33	1.24	
2	1.58	1.72	1.39	2.02	1.38	2.44	7.01	2.04	1.61	1.43	1.33	1.23	
3	1.44	1.46	1.34	1.68	1.37	2.20	5.65	2.04	1.61	1.42	1.32	1.22	
4	1.40	1.39	1.42	1.70	1.36	2.90	4.03	1.99	1.60	1.41	1.32	1.22	
5	1.30	1.30	1.65	2.48	1.43	4.01	3.75	1.96	1.60	1.40	1.32	1.22	
6	1.28	1.29	1.78	2.36	1.37	3.68	3.80	1.94	1.59	1.40	1.32	1.22	
7	1.26	1.26	2.84	2.20	1.36	2.64	3.48	1.93	1.58	1.40	1.30	1.23	
8	1.26	1.26	2.36	2.78	1.56	2.75	4.50	1.90	1.57	1.40	1.30	1.23	
9	1.26	1.26	2.13	2.66	1.58	2.73	5.20	1.87	1.56	1.40	1.31	1.23	
10	1.25	1.93	3.28	2.93	1.55	2.63	4.22	1.93	1.55	1.40	1.28	1.22	
11	1.25	1.41	3.76	2.87	2.08	3.43	3.49	1.94	1.54	1.39	1.28	1.22	
12	1.26	1.33	2.98	2.94	2.48	3.12	3.30	1.93	1.53	1.39	1.29	1.22	
13	1.27	1.57	3.27	3.97	2.04	2.72	3.30	2.04	1.53	1.39	1.31	1.22	
14	1.26	1.58	2.33	3.81	1.77	2.86	4.45	1.95	1.59	1.39	1.31	1.21	
15	1.26	2.15	2.10	2.63	2.85	2.84	6.16	1.90	1.63	1.38	1.30	1.21	
16	1.28	1.71	2.18	2.41	3.16	2.73	6.85	1.85	1.59	1.38	1.30	1.21	
17	1.26	1.55	2.26	2.27	2.46	3.01	4.78	1.82	1.56	1.38	1.31	1.21	
18	1.26	1.54	1.93	2.01	2.22	2.93	3.53	1.78	1.54	1.38	1.30	1.21	
19	1.25	1.61	1.83	1.88	2.44	2.75	4.89	1.76	1.53	1.38	1.30	1.21	
20	1.24	1.40	1.62	1.75	4.06	3.14	3.52	1.75	1.51	1.37	1.27	1.20	
21	1.24	1.37	1.56	1.68	2.72	2.86	3.13	1.73	1.49	1.36	1.27	1.20	
22	1.23	1.30	1.58	1.60	2.62	3.26	2.91	1.72	1.48	1.35	1.26	1.20	
23	1.29	1.27	1.48	1.56	2.10	3.65	2.78	1.69	1.47	1.34	1.26	1.23	
24	1.26	2.28	2.15	2.27	2.01	3.70	2.57	1.69	1.46	1.34	1.26	1.21	
25	1.25	2.01	2.05	1.74	1.93	3.46	2.46	1.68	1.45	1.38	1.26	1.21	
26	1.24	2.63	1.64	1.60	2.03	3.20	2.36	1.65	1.44	1.41	1.26	1.21	
27	2.30	2.05	1.52	1.52	3.27	3.08	2.29	1.65	1.44	1.38	1.25	1.20	
28	2.00	2.48	1.47	1.47	2.40	2.57	2.25	1.64	1.44	1.37	1.25	1.20	
29	1.59	1.64	2.61	1.46	2.58	4.98	2.21	1.63	1.43	1.36		1.22	
30	1.43	1.48	2.22	1.42	2.90	5.73	2.16	1.63	1.43	1.35		1.22	
31		1.40		1.39	2.64		2.12		1.43	1.34		1.22	
MEAN	1.37	1.64	2.07	2.17	2.16	3.16	3.86	1.84	1.53	1.38	1.29	1.22	
MAX	2.30	2.63	3.76	3.97	4.06	5.73	7.01	2.08	1.63	1.43	1.33	1.24	7.01
MIN	1.23	1.26	1.34	1.39	1.36	2.20	2.12	1.63	1.43	1.34	1.25	1.20	1.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.39 M (A.D), AT 18.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.54 M (A.D)
LEFT BANK ELEVATION 9.89 M (A.D)
RIGHT BANK ELEVATION 9.67 M (A.D), DRAINAGE AREA 1247 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.68	4.86	1.00	5.94	0.96	10.00	70.31	4.18	1.88	1.12	0.72	0.48	
2	1.72	2.28	0.96	3.82	0.92	6.82	78.92	3.94	1.84	1.12	0.72	0.46	
3	1.16	1.24	0.76	2.12	0.88	5.00	50.95	3.94	1.84	1.08	0.68	0.44	
4	1.00	0.96	1.08	2.20	0.84	11.20	24.42	3.64	1.80	1.04	0.68	0.44	
5	0.60	0.60	2.00	7.14	1.12	24.14	20.75	3.46	1.80	1.00	0.68	0.44	
6	0.56	0.58	2.52	6.18	0.88	19.84	21.40	3.34	1.76	1.00	0.68	0.44	
7	0.52	0.52	10.60	5.00	0.84	8.60	17.36	3.28	1.72	1.00	0.60	0.46	
8	0.52	0.52	6.18	10.00	1.64	9.70	31.10	3.10	1.68	1.00	0.60	0.46	
9	0.52	0.52	4.51	8.80	1.72	9.50	42.60	2.95	1.64	1.00	0.64	0.46	
10	0.50	3.28	15.08	11.50	1.60	8.50	27.08	3.28	1.60	1.00	0.56	0.44	
11	0.50	1.04	20.88	10.90	4.18	16.76	17.48	3.34	1.56	0.96	0.56	0.44	
12	0.52	0.72	12.00	11.60	7.14	13.40	15.30	3.28	1.52	0.96	0.58	0.44	
13	0.54	1.68	14.97	23.61	3.94	9.40	15.30	3.94	1.52	0.96	0.64	0.44	
14	0.52	1.72	5.94	21.53	2.48	10.80	30.35	3.40	1.76	0.96	0.64	0.42	
15	0.52	4.65	4.30	8.50	10.70	10.60	61.10	3.10	1.92	0.92	0.60	0.42	
16	0.56	2.24	4.86	6.58	13.80	9.50	75.40	2.85	1.76	0.92	0.60	0.42	
17	0.52	1.60	5.42	5.49	6.98	12.30	35.48	2.70	1.64	0.92	0.64	0.42	
18	0.52	1.56	3.28	3.76	5.14	11.50	17.96	2.52	1.56	0.92	0.60	0.42	
19	0.50	1.84	2.75	3.00	6.82	9.70	37.33	2.44	1.52	0.92	0.60	0.42	
20	0.48	1.00	1.88	2.40	24.84	13.60	17.84	2.40	1.44	0.88	0.54	0.40	
21	0.48	0.88	1.64	2.12	9.40	10.80	13.50	2.32	1.36	0.84	0.54	0.40	
22	0.46	0.60	1.72	1.80	8.40	14.86	11.30	2.28	1.32	0.80	0.52	0.40	
23	0.58	0.54	1.32	1.64	4.30	19.45	10.00	2.16	1.28	0.76	0.52	0.46	
24	0.52	5.56	4.65	5.49	3.76	20.10	7.93	2.16	1.24	0.76	0.52	0.42	
25	0.50	3.76	4.00	2.36	3.28	17.12	6.98	2.12	1.20	0.92	0.52	0.42	
26	0.48	8.50	1.96	1.80	3.88	14.20	6.18	2.00	1.16	1.04	0.52	0.42	
27	5.70	4.00	1.48	1.48	14.97	13.00	5.63	2.00	1.16	0.92	0.50	0.40	
28	3.70	7.14	1.28	1.28	6.50	7.93	5.35	1.96	1.16	0.88	0.50	0.40	
29	1.76	1.96	8.30	1.24	8.02	38.86	5.07	1.92	1.12	0.84		0.44	
30	1.12	1.32	5.14	1.08	11.20	52.50	4.72	1.92	1.12	0.80		0.44	
31		1.00		0.96	8.60		4.44		1.12	0.76		0.44	
TOTAL	29.26	68.67	152.46	181.32	179.73	439.68	789.53	85.92	47.00	29.00	16.70	13.40	2032.67 CMSDAY
MEAN	0.98	2.22	5.08	5.85	5.80	14.66	25.47	2.86	1.52	0.94	0.60	0.43	5.57 CMS
MAX	5.70	8.50	20.88	23.61	24.84	52.50	78.92	4.18	1.92	1.12	0.72	0.48	78.92 CMS
MIN	0.46	0.52	0.76	0.96	0.84	5.00	4.44	1.92	1.12	0.76	0.50	0.40	0.40 CMS
RUNOFF	2.528	5.933	13.173	15.666	15.529	37.988	68.215	7.423	4.061	2.506	1.443	1.158	175.623 MCM

MOMENTARY PEAK 87.66 CMS, AT 7.39 M (A.D), AT 18.00 HOURS, ON OCT 2, 1984

RUNOFF YIELD 4.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 70.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

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

LOCATION — LAT. 16-15-36 N., LONG. 101-02-07 E., ON RIGHT BANK AT THE BRIDGE OF AMPHOE CHON DAN-BAN SAM YAEK WANG CHOMPHU ROAD, BAN WANG CHOMPHU, AMPHOE MUANG, PHETCHABUN.

DRAINAGE AREA — 15 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +4.894 M. (A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

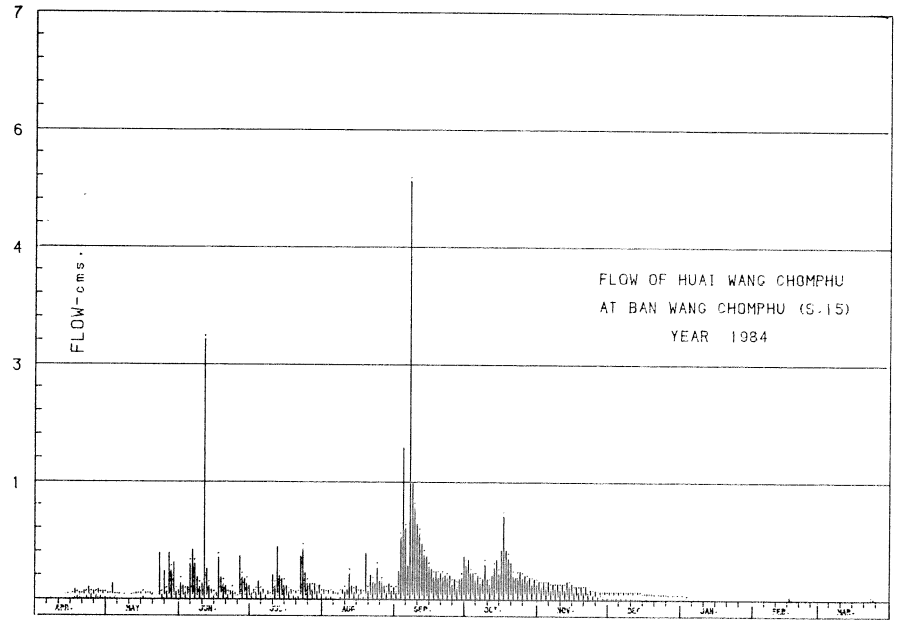
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.09	-0.03	0.06	0.00	0.00	0.02	0.13	0.04	-0.02	-0.05	-0.10	-0.10	
2	-0.09	-0.03	0.02	0.00	-0.01	0.09	0.13	0.04	-0.02	-0.05	-0.10	-0.10	
3	-0.09	0.03	0.01	0.01	-0.01	0.21	0.10	0.04	-0.02	-0.06	-0.11	-0.10	
4	-0.09	-0.04	0.01	0.04	0.00	0.38	0.08	0.04	-0.02	-0.06	-0.11	-0.10	
5	-0.08	-0.04	0.13	0.01	-0.02	0.23	0.08	0.04	-0.02	-0.06	-0.11	-0.10	
6	-0.07	-0.04	0.16	0.00	-0.03	0.11	0.07	0.03	-0.02	-0.06	-0.11	-0.11	
7	-0.07	-0.05	0.13	-0.01	-0.03	0.69	0.06	0.03	-0.02	-0.06	-0.12	-0.11	
8	-0.08	-0.05	0.06	-0.02	0.00	0.32	0.05	0.03	-0.02	-0.06	-0.12	-0.11	
9	-0.09	-0.06	0.04	-0.03	0.00	0.28	0.13	0.03	-0.02	-0.06	-0.12	-0.11	
10	-0.08	-0.05	0.03	0.07	0.02	0.23	0.05	0.03	-0.02	-0.06	-0.13	-0.11	
11	-0.07	-0.05	0.53	0.04	0.00	0.22	0.05	0.03	-0.02	-0.06	-0.13	-0.12	
12	-0.05	-0.04	0.10	0.17	0.10	0.18	0.07	0.03	-0.02	-0.07	-0.13	-0.12	
13	-0.05	-0.03	0.04	0.09	0.02	0.16	0.12	0.04	-0.02	-0.07	-0.13	-0.12	
14	-0.04	-0.03	0.00	0.05	0.01	0.14	0.13	0.04	-0.02	-0.07	-0.14	-0.12	
15	-0.05	-0.03	-0.01	0.05	0.02	0.12	0.10	0.03	-0.03	-0.07	-0.14	-0.12	
16	-0.03	-0.01	-0.03	0.02	0.00	0.10	0.16	0.02	-0.03	-0.07	-0.07	-0.12	
17	0.00	-0.03	0.15	0.01	0.00	0.09	0.26	0.02	-0.03	-0.07	-0.08	-0.12	
18	-0.02	-0.03	0.06	0.00	-0.01	0.09	0.16	0.02	-0.03	-0.07	-0.08	-0.12	
19	-0.03	-0.03	0.05	-0.01	0.15	0.09	0.15	0.02	-0.03	-0.07	-0.08	-0.12	
20	-0.03	-0.04	0.02	-0.02	0.02	0.08	0.12	0.02	-0.04	-0.07	-0.08	-0.12	
21	-0.02	-0.06	-0.01	-0.01	0.07	0.09	0.09	0.02	-0.04	-0.07	-0.09	-0.12	
22	-0.01	-0.07	-0.02	0.14	0.06	0.07	0.06	0.01	-0.04	-0.07	-0.09	-0.12	
23	0.01	0.15	0.02	0.18	0.03	0.08	0.09	0.00	-0.04	-0.07	-0.09	-0.07	
24	-0.01	-0.01	-0.03	0.08	0.12	0.07	0.09	0.00	-0.04	-0.07	-0.10	-0.08	
25	-0.02	0.09	-0.06	0.05	0.04	0.05	0.08	-0.01	-0.04	-0.08	-0.10	-0.08	
26	-0.01	0.01	0.14	0.03	0.06	0.05	0.07	-0.01	-0.05	-0.08	-0.10	-0.08	
27	0.00	0.15	0.08	0.03	0.02	0.04	0.07	-0.02	-0.05	-0.09	-0.10	-0.09	
28	-0.02	0.11	0.05	0.03	0.02	0.05	0.06	-0.02	-0.05	-0.09	-0.10	-0.09	
29	-0.02	0.12	0.06	0.02	0.03	0.08	0.06	-0.02	-0.05	-0.09		-0.10	
30	-0.02	0.01	0.02	0.02	0.02	0.14	0.05	-0.02	-0.05	-0.09		-0.10	
31		-0.01		0.00	0.01		0.05		-0.05	-0.10		-0.10	
MEAN	-0.04	-0.01	0.06	0.03	0.02	0.15	0.10	0.02	-0.03	-0.07	-0.11	-0.11	
MAX	0.01	0.15	0.53	0.18	0.15	0.69	0.26	0.04	-0.02	-0.05	-0.07	-0.07	0.69
MIN	-0.09	-0.07	-0.06	-0.03	-0.03	0.02	0.05	-0.02	-0.05	-0.10	-0.14	-0.12	-0.14

ANNUAL MAX MOMENTARY GAGE HEIGHT — 0.98 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -0.38 M (A.D)

LEFT BANK ELEVATION — 4.04 M (A.D)

RIGHT BANK ELEVATION — 3.84 M (A.D), DRAINAGE AREA — 15 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.08	0.28	0.12	0.12	0.17	0.51	0.23	0.10	0.06	0.00	0.00	
2	0.01	0.08	0.17	0.12	0.11	0.36	0.51	0.23	0.10	0.06	0.00	0.00	
3	0.01	0.20	0.15	0.15	0.11	0.85	0.39	0.23	0.10	0.05	0.00	0.00	
4	0.01	0.07	0.15	0.23	0.12	1.94	0.34	0.23	0.10	0.05	0.00	0.00	
5	0.02	0.07	0.51	0.15	0.10	0.96	0.34	0.23	0.10	0.05	0.00	0.00	
6	0.04	0.07	0.63	0.12	0.08	0.43	0.31	0.20	0.10	0.05	0.00	0.00	
7	0.04	0.06	0.51	0.11	0.08	5.39	0.28	0.20	0.10	0.05	0.00	0.00	
8	0.02	0.06	0.28	0.10	0.12	1.49	0.26	0.20	0.10	0.05	0.00	0.00	
9	0.01	0.05	0.23	0.08	0.12	1.23	0.51	0.20	0.10	0.05	0.00	0.00	
10	0.02	0.06	0.20	0.31	0.17	0.96	0.26	0.20	0.10	0.05	0.00	0.00	
11	0.04	0.06	3.37	0.23	0.12	0.90	0.26	0.20	0.10	0.05	0.00	0.00	
12	0.06	0.07	0.39	0.67	0.39	0.71	0.31	0.20	0.10	0.04	0.00	0.00	
13	0.06	0.08	0.23	0.36	0.17	0.63	0.47	0.23	0.10	0.04	0.00	0.00	
14	0.07	0.08	0.12	0.26	0.15	0.55	0.51	0.23	0.10	0.04	0.00	0.00	
15	0.06	0.08	0.11	0.26	0.17	0.47	0.39	0.20	0.08	0.04	0.00	0.00	
16	0.08	0.11	0.08	0.17	0.12	0.39	0.63	0.17	0.08	0.04	0.04	0.00	
17	0.12	0.08	0.59	0.15	0.12	0.36	1.12	0.17	0.08	0.04	0.02	0.00	
18	0.10	0.08	0.28	0.12	0.11	0.36	0.63	0.17	0.08	0.04	0.02	0.00	
19	0.08	0.08	0.26	0.11	0.59	0.36	0.59	0.17	0.08	0.04	0.02	0.00	
20	0.08	0.07	0.17	0.10	0.17	0.34	0.47	0.17	0.07	0.04	0.02	0.00	
21	0.10	0.05	0.11	0.11	0.31	0.36	0.36	0.17	0.07	0.04	0.01	0.00	
22	0.11	0.04	0.10	0.55	0.28	0.31	0.28	0.15	0.07	0.04	0.01	0.00	
23	0.15	0.59	0.17	0.71	0.20	0.34	0.36	0.12	0.07	0.04	0.01	0.04	
24	0.11	0.11	0.08	0.34	0.47	0.31	0.36	0.12	0.07	0.04	0.00	0.02	
25	0.10	0.36	0.05	0.26	0.23	0.26	0.34	0.11	0.07	0.02	0.00	0.02	
26	0.11	0.15	0.55	0.20	0.28	0.26	0.31	0.11	0.06	0.02	0.00	0.02	
27	0.12	0.59	0.34	0.20	0.17	0.23	0.31	0.10	0.06	0.01	0.00	0.01	
28	0.10	0.43	0.26	0.20	0.17	0.26	0.28	0.10	0.06	0.01	0.00	0.01	
29	0.10	0.47	0.28	0.17	0.20	0.34	0.28	0.10	0.06	0.01		0.00	
30	0.10	0.15	0.17	0.17	0.17	0.55	0.26	0.10	0.06	0.01		0.00	
31		0.11		0.12	0.15		0.26		0.06	0.00		0.00	
TOTAL	2.04	4.64	10.82	6.95	5.87	22.07	12.49	5.24	2.58	1.17	0.15	0.12	74.14 CMSDAY
MEAN	0.07	0.15	0.36	0.22	0.19	0.74	0.40	0.17	0.08	0.04	0.01	0.00	0.20 CMS
MAX	0.15	0.59	3.37	0.71	0.59	5.39	1.12	0.23	0.10	0.06	0.04	0.04	5.39 CMS
MIN	0.01	0.04	0.05	0.08	0.08	0.17	0.26	0.10	0.06	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.176	0.401	0.935	0.600	0.507	1.907	1.079	0.453	0.223	0.101	0.013	0.010	6.406 MCM

MOMENTARY PEAK 10.00 CMS, AT 0.98 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 13.54 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 666.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

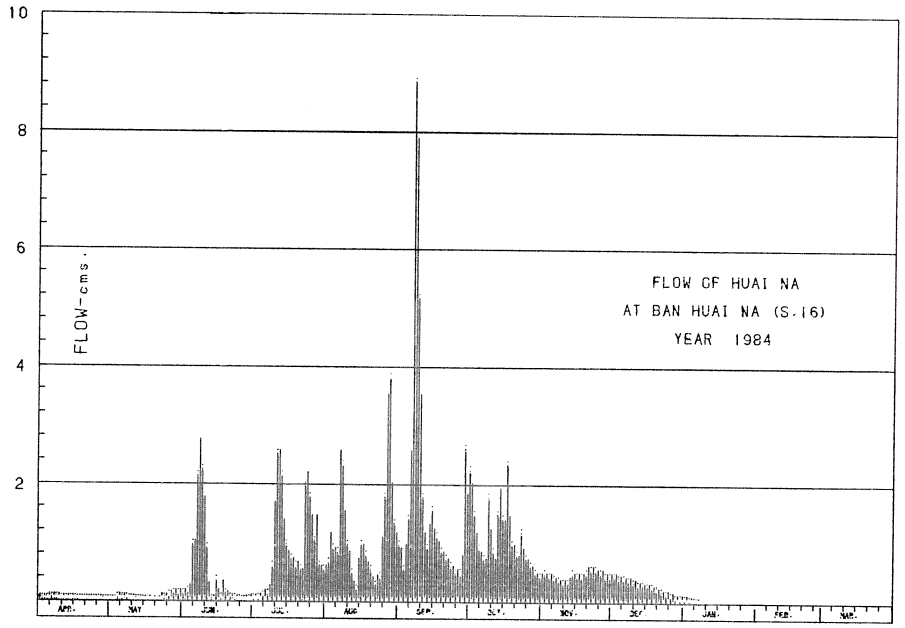
HUAI NA AT BAN HUAI NA, PHETCHABUN (S.16)

LOCATION	LAT. 16-16-00 N., LONG. 101-03-32 E., ON RIGHT BANK ABOUT 30 METERS DOWNSTREAM FROM THE BRIDGE ON HIGHWAY AT BAN HUAI NA, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	65 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.339 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.22	-0.24	-0.18	-0.21	-0.08	-0.01	0.15	-0.10	-0.10	-0.21	-0.35	-0.35	
2	-0.22	-0.24	-0.18	-0.21	-0.06	-0.03	0.12	-0.09	-0.10	-0.21	-0.29	-0.35	
3	-0.22	-0.24	-0.17	-0.20	0.01	-0.08	0.06	-0.10	-0.10	-0.22	-0.29	-0.35	
4	-0.22	-0.20	-0.16	-0.20	-0.02	-0.02	0.01	-0.10	-0.11	-0.22	-0.59	-0.35	
5	-0.21	-0.20	-0.01	-0.19	-0.03	0.05	-0.02	-0.10	-0.11	-0.23	-0.30	-0.35	
6	-0.21	-0.21	-0.01	-0.18	-0.03	0.18	-0.04	-0.11	-0.11	-0.24	-0.30	-0.35	
7	-0.21	-0.21	0.14	-0.18	0.18	0.63	-0.05	-0.12	-0.12	-0.24	-0.31	-0.36	
8	-0.21	-0.21	0.20	-0.16	0.16	0.57	-0.06	-0.12	-0.12	-0.25	-0.31	-0.36	
9	-0.21	-0.22	0.15	-0.07	0.06	0.40	0.10	-0.13	-0.12	-0.25	-0.31	-0.36	
10	-0.22	-0.22	0.09	0.08	-0.01	0.27	0.02	-0.13	-0.13	-0.27	-0.32	-0.35	
11	-0.22	-0.22	-0.02	0.18	-0.04	0.10	-0.03	-0.13	-0.13	-0.26	-0.32	-0.35	
12	-0.22	-0.23	-0.15	0.18	-0.09	0.01	-0.06	-0.13	-0.14	-0.27	-0.32	-0.35	
13	-0.22	-0.23	-0.22	0.14	-0.14	-0.02	0.06	-0.12	-0.14	-0.28	-0.33	-0.35	
14	-0.22	-0.23	-0.22	0.04	-0.16	0.03	0.11	-0.09	-0.14	-0.29	-0.33	-0.35	
15	-0.22	-0.24	-0.12	-0.01	-0.06	0.07	0.05	-0.10	-0.15	-0.30	-0.33	-0.35	
16	-0.22	-0.24	-0.18	-0.04	-0.01	0.02	0.04	-0.10	-0.15	-0.30	-0.33	-0.35	
17	-0.23	-0.24	-0.20	-0.05	-0.02	0.01	0.16	-0.10	-0.15	-0.31	-0.33	-0.35	
18	-0.23	-0.24	-0.14	-0.06	-0.04	-0.01	0.05	-0.10	-0.15	-0.32	-0.34	-0.36	
19	-0.23	-0.25	-0.18	-0.07	-0.07	-0.03	-0.01	-0.10	-0.16	-0.32	-0.34	-0.36	
20	-0.23	-0.25	-0.19	-0.07	-0.08	-0.04	-0.02	-0.09	-0.16	-0.32	-0.34	-0.36	
21	-0.23	-0.25	-0.20	-0.08	-0.12	-0.05	-0.04	-0.08	-0.17	-0.33	-0.34	-0.36	
22	-0.23	-0.25	-0.21	-0.09	-0.14	-0.06	-0.05	-0.08	-0.17	-0.33	-0.34	-0.36	
23	-0.23	-0.20	-0.21	0.12	-0.11	-0.07	0.02	-0.08	-0.18	-0.33	-0.35	-0.36	
24	-0.23	-0.21	-0.22	0.14	-0.10	-0.08	-0.03	-0.08	-0.18	-0.33	-0.35	-0.36	
25	-0.23	-0.21	-0.22	0.10	0.00	-0.09	-0.05	-0.09	-0.18	-0.34	-0.35	-0.36	
26	-0.23	-0.19	-0.23	0.05	0.10	-0.09	-0.06	-0.09	-0.19	-0.34	-0.35	-0.36	
27	-0.23	-0.19	-0.23	0.00	0.27	-0.09	-0.07	-0.09	-0.19	-0.34	-0.35	-0.36	
28	-0.24	-0.18	-0.22	0.05	0.30	-0.05	-0.08	-0.10	-0.20	-0.35	-0.35	-0.36	
29	-0.24	-0.18	-0.22	-0.07	0.12	0.19	-0.09	-0.10	-0.20	-0.35		-0.36	
30	-0.24	-0.18	-0.21	-0.08	0.04	0.10	-0.10	-0.10	-0.20	-0.35		-0.36	
31		-0.18		-0.08	0.01		-0.10		-0.20	-0.35		-0.36	
MEAN	-0.22	-0.22	-0.13	-0.04	-0.01	0.06	0.00	-0.10	-0.15	-0.29	-0.34	-0.36	
MAX	-0.21	-0.18	0.20	0.18	0.30	0.63	0.16	-0.08	-0.10	-0.21	-0.29	-0.35	0.63
MIN	-0.24	-0.25	-0.23	-0.21	-0.16	-0.09	-0.10	-0.13	-0.20	-0.35	-0.59	-0.36	-0.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.65 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 4.90 M (A.D)
RIGHT BANK ELEVATION 3.59 M (A.D), DRAINAGE AREA 65 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.08	0.20	0.12	0.62	1.04	2.31	0.50	0.50	0.12	0.00	0.00	
2	0.10	0.08	0.20	0.12	0.74	0.92	2.03	0.56	0.50	0.12	0.01	0.00	
3	0.10	0.08	0.24	0.13	1.18	0.62	1.55	0.50	0.50	0.10	0.01	0.00	
4	0.10	0.13	0.28	0.13	0.98	0.98	1.18	0.50	0.46	0.10	0.00	0.00	
5	0.12	0.13	1.04	0.17	0.92	1.48	0.98	0.50	0.46	0.09	0.00	0.00	
6	0.12	0.12	1.04	0.20	0.92	2.58	0.86	0.46	0.46	0.08	0.00	0.00	
7	0.12	0.12	2.21	0.20	2.58	8.91	0.80	0.43	0.43	0.08	0.00	0.00	
8	0.12	0.12	2.76	0.28	2.40	7.89	0.74	0.43	0.43	0.07	0.00	0.00	
9	0.12	0.10	2.31	0.68	1.55	5.23	1.85	0.39	0.43	0.07	0.00	0.00	
10	0.10	0.10	1.78	1.70	1.04	3.54	1.25	0.39	0.39	0.04	0.00	0.00	
11	0.10	0.10	0.98	2.58	0.86	1.85	0.92	0.39	0.39	0.05	0.00	0.00	
12	0.10	0.09	0.32	2.58	0.56	1.18	0.74	0.39	0.35	0.04	0.00	0.00	
13	0.10	0.09	0.10	2.21	0.35	0.98	1.55	0.43	0.35	0.03	0.00	0.00	
14	0.10	0.09	0.10	1.40	0.28	1.33	1.94	0.56	0.35	0.01	0.00	0.00	
15	0.10	0.08	0.43	1.04	0.74	1.63	1.48	0.50	0.32	0.00	0.00	0.00	
16	0.10	0.08	0.20	0.86	1.04	1.25	1.40	0.50	0.32	0.00	0.00	0.00	
17	0.09	0.08	0.13	0.80	0.98	1.18	2.40	0.50	0.32	0.00	0.00	0.00	
18	0.09	0.08	0.35	0.74	0.86	1.04	1.48	0.50	0.32	0.00	0.00	0.00	
19	0.09	0.07	0.20	0.68	0.68	0.92	1.04	0.50	0.28	0.00	0.00	0.00	
20	0.09	0.07	0.17	0.68	0.62	0.86	0.98	0.56	0.28	0.00	0.00	0.00	
21	0.09	0.07	0.13	0.62	0.43	0.80	0.86	0.62	0.24	0.00	0.00	0.00	
22	0.09	0.07	0.12	0.56	0.35	0.74	0.80	0.62	0.24	0.00	0.00	0.00	
23	0.09	0.13	0.12	2.03	0.46	0.68	1.25	0.62	0.20	0.00	0.00	0.00	
24	0.09	0.12	0.10	2.21	0.50	0.62	0.92	0.62	0.20	0.00	0.00	0.00	
25	0.09	0.12	0.10	1.85	1.10	0.56	0.80	0.56	0.20	0.00	0.00	0.00	
26	0.09	0.17	0.09	1.48	1.85	0.56	0.74	0.56	0.17	0.00	0.00	0.00	
27	0.09	0.17	0.09	1.10	3.54	0.56	0.68	0.56	0.17	0.00	0.00	0.00	
28	0.08	0.20	0.10	1.48	3.88	0.80	0.62	0.50	0.13	0.00	0.00	0.00	
29	0.08	0.20	0.10	0.68	2.03	2.67	0.56	0.50	0.13	0.00		0.00	
30	0.08	0.20	0.12	0.62	1.40	1.85	0.50	0.50	0.13	0.00		0.00	
31		0.20		0.62	1.18		0.50		0.13	0.00		0.00	
TOTAL	2.93	3.54	16.11	30.55	36.62	55.25	35.71	15.15	9.78	1.00	0.02	0.00	206.66 CMSDAY
MEAN	0.10	0.11	0.54	0.99	1.18	1.84	1.15	0.51	0.32	0.03	0.00	0.00	0.57 CMS
MAX	0.12	0.20	2.76	2.58	3.88	8.91	2.40	0.62	0.50	0.12	0.01	0.00	8.91 CMS
MIN	0.08	0.07	0.09	0.12	0.28	0.56	0.50	0.39	0.13	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.253	0.306	1.392	2.640	3.164	4.774	3.085	1.309	0.845	0.086	0.002	0.000	17.855 MCM

MOMENTARY PEAK 9.26 CMS, AT 0.65 M (A.D), AT 6.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 8.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 142.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PASAK RIVER BASIN

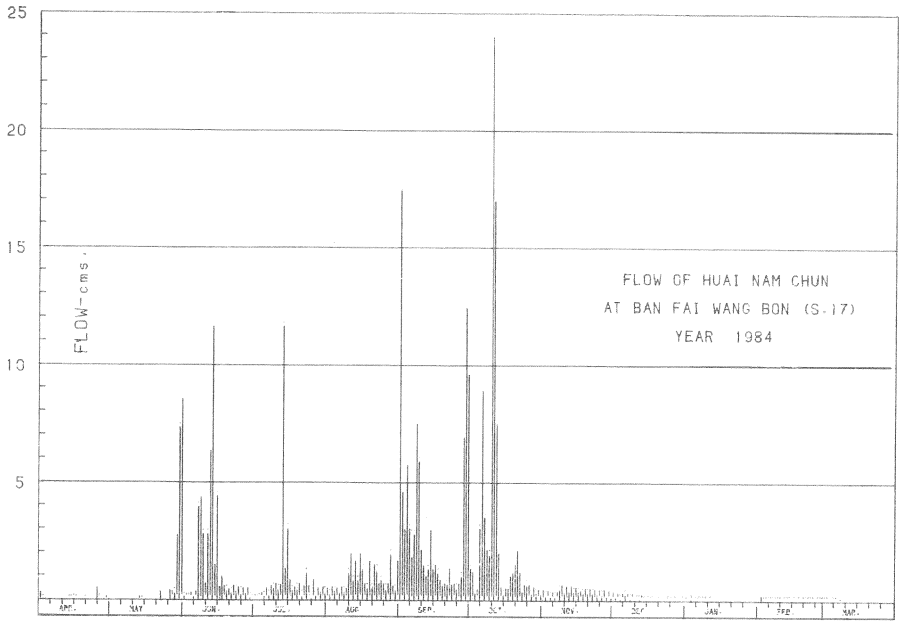
HUAI NAM CHUN AT BAN FAI WANG BON, PHETCHABUN (S.17)

LOCATION	LAT. 16-45-43 N., LONG. 101-08-44 E., ON LEFT BANK NEAR THE BRIDGE OF PHITSANULOK-LOMSAK ROAD, BAN FAI WANG BON, AMPHOE LOM SAK, PHETCHABUN.
DRAINAGE AREA	67 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.982 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.01	0.12	0.10	0.16	0.76	0.25	0.15	0.13	0.07	0.06	0.10	
2	0.08	0.01	0.11	0.10	0.15	0.40	0.23	0.14	0.13	0.07	0.13	0.10	
3	0.07	0.01	0.11	0.11	0.17	0.34	0.16	0.14	0.12	0.11	0.10	0.10	
4	0.06	0.01	0.12	0.12	0.17	0.44	0.15	0.13	0.12	0.10	0.10	0.10	
5	0.05	0.01	0.13	0.13	0.16	0.34	0.34	0.13	0.12	0.09	0.10	0.10	
6	0.04	0.01	0.13	0.16	0.17	0.27	0.54	0.13	0.15	0.09	0.10	0.10	
7	0.03	0.01	0.38	0.14	0.17	0.33	0.36	0.13	0.12	0.09	0.10	0.10	
8	0.03	0.01	0.39	0.18	0.17	0.50	0.29	0.19	0.12	0.09	0.10	0.05	
9	0.03	0.01	0.33	0.20	0.16	0.45	0.29	0.19	0.12	0.09	0.10	0.05	
10	0.04	0.01	0.20	0.20	0.24	0.29	0.90	0.18	0.11	0.09	0.10	0.05	
11	0.04	0.01	0.33	0.19	0.28	0.26	0.75	0.18	0.11	0.09	0.10	0.05	
12	0.03	0.01	0.46	0.19	0.22	0.22	0.50	0.18	0.11	0.08	0.10	0.05	
13	0.08	0.07	0.62	0.62	0.26	0.25	0.29	0.18	0.11	0.08	0.10	0.05	
14	0.08	0.06	0.25	0.24	0.22	0.33	0.17	0.17	0.10	0.08	0.10	0.05	
15	0.10	0.01	0.40	0.34	0.28	0.25	0.15	0.17	0.10	0.08	0.10	0.05	
16	0.08	0.01	0.17	0.21	0.25	0.25	0.16	0.17	0.10	0.08	0.10	0.01	
17	0.08	0.01	0.23	0.18	0.20	0.24	0.20	0.14	0.10	0.08	0.10	0.01	
18	0.09	0.01	0.18	0.17	0.20	0.21	0.22	0.16	0.10	0.08	0.10	0.01	
19	0.09	0.01	0.18	0.20	0.26	0.21	0.24	0.16	0.10	0.07	0.10	0.00	
20	0.07	0.01	0.15	0.20	0.20	0.20	0.25	0.16	0.09	0.07	0.10	-0.01	
21	0.07	0.01	0.16	0.14	0.25	0.21	0.30	0.16	0.09	0.07	0.10	-0.01	
22	0.02	0.14	0.18	0.18	0.25	0.24	0.23	0.16	0.09	0.07	0.10	-0.01	
23	0.01	0.02	0.18	0.24	0.20	0.21	0.17	0.15	0.09	0.07	0.10	-0.01	
24	0.00	0.01	0.17	0.18	0.22	0.20	0.19	0.15	0.08	0.07	0.10	-0.01	
25	0.16	0.01	0.17	0.12	0.20	0.20	0.21	0.15	0.08	0.07	0.10	-0.01	
26	0.10	0.15	0.16	0.21	0.20	0.20	0.19	0.15	0.08	0.07	0.10	-0.01	
27	0.09	0.13	0.16	0.14	0.20	0.23	0.15	0.15	0.08	0.06	0.10	-0.01	
28	0.01	0.16	0.16	0.16	0.29	0.48	0.17	0.14	0.07	0.06	0.10	-0.01	
29	0.07	0.32	0.12	0.17	0.18	0.64	0.16	0.14	0.07	0.06		-0.01	
30	0.01	0.50	0.10	0.15	0.19	0.56	0.15	0.13	0.07	0.06		-0.01	
31		0.53		0.17	0.26		0.15		0.07	0.06		-0.01	
MEAN	0.06	0.07	0.22	0.19	0.21	0.32	0.27	0.16	0.10	0.08	0.10	0.03	
MAX	0.16	0.53	0.62	0.62	0.29	0.76	0.90	0.19	0.15	0.11	0.13	0.10	0.90
MIN	0.00	0.01	0.10	0.10	0.15	0.20	0.15	0.13	0.07	0.06	0.06	-0.01	-0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.10 M (A.D), AT 12.00 HOURS, ON SEP 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.20 M (A.D)
LEFT BANK ELEVATION 6.40 M (A.D)
RIGHT BANK ELEVATION 5.41 M (A.D), DRAINAGE AREA 67 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.02	0.30	0.20	0.50	17.58	1.50	0.45	0.35	0.14	0.12	0.20	
2	0.16	0.02	0.25	0.20	0.45	4.60	1.18	0.40	0.35	0.14	0.35	0.20	
3	0.14	0.02	0.25	0.25	0.55	3.22	0.50	0.40	0.30	0.25	0.20	0.20	
4	0.12	0.02	0.30	0.30	0.55	5.76	0.45	0.35	0.30	0.20	0.20	0.20	
5	0.10	0.02	0.35	0.35	0.50	3.22	3.22	0.35	0.30	0.18	0.20	0.20	
6	0.08	0.02	0.35	0.50	0.55	1.82	8.90	0.35	0.45	0.18	0.20	0.20	
7	0.06	0.02	4.14	0.40	0.55	2.99	3.68	0.35	0.30	0.18	0.20	0.20	
8	0.06	0.02	4.37	0.60	0.55	7.50	2.14	0.65	0.30	0.18	0.20	0.10	
9	0.06	0.02	2.99	0.70	0.50	6.05	2.14	0.65	0.30	0.18	0.20	0.10	
10	0.08	0.02	0.70	0.70	1.34	2.14	24.00	0.60	0.25	0.18	0.20	0.10	
11	0.08	0.02	2.99	0.65	1.98	1.66	17.15	0.60	0.25	0.18	0.20	0.10	
12	0.06	0.02	6.34	0.65	1.02	1.02	7.50	0.60	0.25	0.16	0.20	0.10	
13	0.16	0.14	11.80	11.80	1.66	1.50	2.14	0.60	0.25	0.16	0.20	0.10	
14	0.16	0.12	1.50	1.34	1.02	2.99	0.55	0.55	0.20	0.16	0.20	0.10	
15	0.20	0.02	4.60	3.22	1.98	1.50	0.45	0.55	0.20	0.16	0.20	0.10	
16	0.16	0.02	0.55	0.86	1.50	1.50	0.50	0.55	0.20	0.16	0.20	0.02	
17	0.16	0.02	1.18	0.60	0.70	1.34	0.70	0.40	0.20	0.16	0.20	0.02	
18	0.18	0.02	0.60	0.55	0.70	0.86	1.02	0.50	0.20	0.16	0.20	0.02	
19	0.18	0.02	0.60	0.70	1.66	0.86	1.34	0.50	0.20	0.14	0.20	0.00	
20	0.14	0.02	0.45	0.70	0.70	0.70	1.50	0.50	0.18	0.14	0.20	0.00	
21	0.14	0.02	0.50	0.40	1.50	0.86	2.30	0.50	0.18	0.14	0.20	0.00	
22	0.04	0.40	0.60	0.60	1.50	1.34	1.18	0.50	0.18	0.14	0.20	0.00	
23	0.02	0.04	0.60	1.34	0.70	0.86	0.55	0.45	0.18	0.14	0.20	0.00	
24	0.00	0.02	0.55	0.60	1.02	0.70	0.65	0.45	0.16	0.14	0.20	0.00	
25	0.50	0.02	0.55	0.30	0.70	0.70	0.86	0.45	0.16	0.14	0.20	0.00	
26	0.20	0.45	0.50	0.86	0.70	0.70	0.65	0.45	0.16	0.14	0.20	0.00	
27	0.18	0.35	0.50	0.40	0.70	1.18	0.45	0.45	0.16	0.12	0.20	0.00	
28	0.02	0.50	0.50	0.50	2.14	6.92	0.55	0.40	0.14	0.12	0.20	0.00	
29	0.14	2.76	0.30	0.55	0.60	12.60	0.50	0.40	0.14	0.12		0.00	
30	0.02	7.50	0.20	0.45	0.65	9.60	0.45	0.35	0.14	0.12		0.00	
31		8.55		0.55	1.66		0.45		0.14	0.12		0.00	
TOTAL	3.90	21.23	49.41	31.82	30.83	104.27	89.15	14.30	7.07	4.83	5.67	2.26	364.74 CMSDAY
MEAN	0.13	0.68	1.65	1.03	0.99	3.48	2.88	0.48	0.23	0.16	0.20	0.07	1.00 CMS
MAX	0.50	8.55	11.80	11.80	2.14	17.58	24.00	0.65	0.45	0.25	0.35	0.20	24.00 CMS
MIN	0.00	0.02	0.20	0.20	0.45	0.70	0.45	0.35	0.14	0.12	0.12	0.00	0.00 CMS
RUNOFF	0.337	1.834	4.269	2.749	2.664	9.009	7.703	1.236	0.611	0.417	0.490	0.195	31.514 MCM

MOMENTARY PEAK 33.90 CMS, AT 1.10 M (A.D), AT 12.00 HOURS, ON SEP 1, 1984

RUNOFF YIELD 14.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 505.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SALAWIN RIVER BASIN

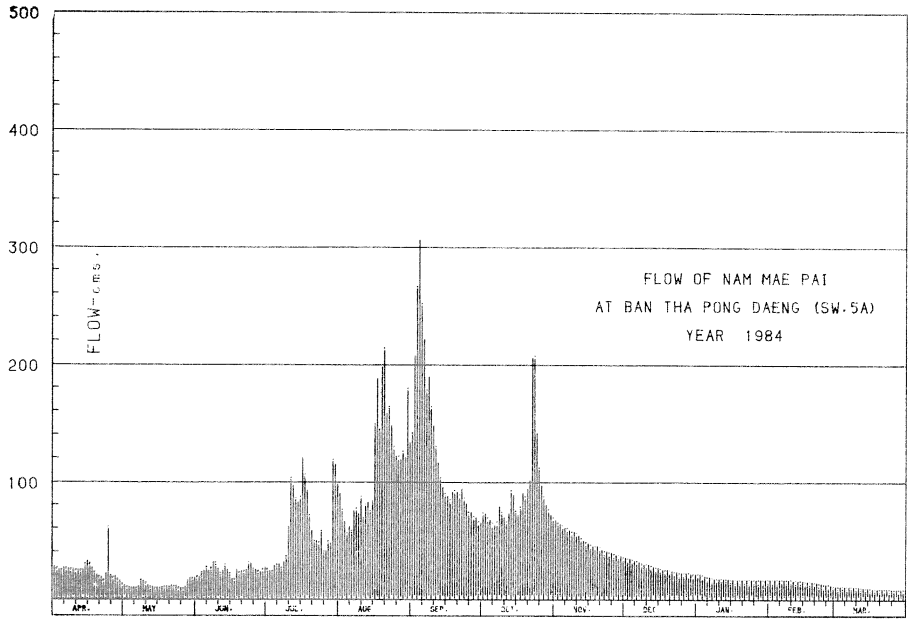
NAM MAE PAI AT BAN THA PONG DAENG, MAE HONG SON (SW.5A)

LOCATION	LAT. 19-16-10 N., LONG. 97-56-55 E., ON LEFT BANK AT BAN THA PONG DAENG, AMPHOE MUANG, MAE HONG SON.
DRAINAGE AREA	4,466 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ON LEFT BANK ABOUT 9 METERS EAST OF THE TOP STAFF GAGE. B.M.2 ON LEFT BANK NEAR THE STATION OFFICE.
ELEVATION	BM.1 +7.913 M.(A.D.), BM.2 +8.372 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.99	0.80	0.90	0.97	1.55	1.92	1.42	1.36	1.07	0.92	0.86	0.78	
2	0.98	0.78	0.89	0.95	1.44	2.34	1.41	1.34	1.06	0.92	0.86	0.78	
3	0.96	0.77	0.94	0.95	1.35	2.67	1.38	1.33	1.06	0.91	0.86	0.78	
4	0.96	0.76	0.95	1.00	1.26	2.89	1.36	1.32	1.05	0.90	0.86	0.78	
5	0.98	0.76	0.99	1.01	1.31	2.59	1.34	1.30	1.04	0.89	0.86	0.78	
6	0.98	0.76	0.95	1.01	1.28	2.42	1.32	1.30	1.04	0.89	0.86	0.78	
7	0.97	0.78	0.98	0.98	1.43	2.16	1.35	1.28	1.03	0.88	0.86	0.78	
8	0.97	0.86	1.03	1.03	1.45	2.23	1.46	1.27	1.02	0.87	0.86	0.78	
9	0.97	0.85	1.03	1.08	1.41	2.07	1.42	1.27	1.01	0.87	0.86	0.77	
10	0.96	0.83	0.97	1.31	1.53	1.96	1.38	1.26	1.01	0.87	0.86	0.77	
11	0.96	0.80	0.93	1.65	1.38	1.84	1.35	1.24	1.01	0.87	0.85	0.77	
12	0.96	0.78	0.95	1.60	1.48	1.74	1.41	1.22	1.00	0.87	0.85	0.76	
13	0.96	0.77	1.01	1.52	1.49	1.65	1.57	1.20	0.99	0.87	0.85	0.76	
14	1.02	0.76	0.96	1.49	1.43	1.59	1.54	1.19	0.98	0.87	0.85	0.75	
15	1.04	0.76	0.93	1.53	1.50	1.55	1.43	1.18	0.98	0.86	0.85	0.75	
16	1.02	0.76	0.87	1.77	1.97	1.53	1.40	1.17	0.97	0.86	0.84	0.75	
17	0.98	0.77	0.87	1.67	2.22	1.51	1.46	1.16	0.96	0.86	0.84	0.74	
18	0.94	0.78	0.96	1.57	1.94	1.56	1.55	1.16	0.96	0.86	0.84	0.74	
19	0.91	0.78	0.94	1.40	2.28	1.57	1.53	1.16	0.96	0.86	0.84	0.74	
20	0.90	0.78	0.95	1.28	2.38	1.56	1.58	1.15	0.96	0.86	0.83	0.74	
21	0.89	0.80	0.95	1.20	2.03	1.54	1.63	1.13	0.95	0.86	0.83	0.74	
22	0.86	0.79	0.96	1.20	2.07	1.58	2.33	1.12	0.94	0.86	0.82	0.74	
23	0.93	0.79	1.03	1.19	1.96	1.52	2.34	1.12	0.94	0.86	0.82	0.74	
24	1.31	0.77	1.02	1.28	1.84	1.48	1.92	1.11	0.93	0.86	0.81	0.74	
25	0.91	0.75	0.97	1.12	1.78	1.42	1.71	1.11	0.93	0.86	0.81	0.73	
26	0.89	0.75	0.96	1.12	1.78	1.42	1.60	1.10	0.93	0.86	0.81	0.73	
27	0.90	0.77	0.95	1.20	1.76	1.39	1.53	1.09	0.93	0.86	0.80	0.73	
28	0.87	0.85	0.94	1.18	1.81	1.38	1.47	1.09	0.93	0.86	0.79	0.73	
29	0.85	0.88	0.97	1.76	1.77	1.35	1.44	1.08	0.92	0.86		0.73	
30	0.82	0.88	0.98	1.73	2.17	1.34	1.40	1.07	0.92	0.86		0.73	
31		0.88		1.62	1.86		1.38		0.92	0.86		0.73	
MEAN	0.95	0.79	0.96	1.30	1.71	1.79	1.53	1.20	0.98	0.87	0.84	0.75	
MAX	1.31	0.88	1.03	1.77	2.38	2.89	2.34	1.36	1.07	0.92	0.86	0.78	2.89
MIN	0.82	0.75	0.87	0.95	1.26	1.34	1.32	1.07	0.92	0.86	0.79	0.73	0.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.02 M (A.D), AT 10.00 HOURS, ON SEP 4, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.09 M (A.D)
LEFT BANK ELEVATION 7.75 M (A.D)
RIGHT BANK ELEVATION 8.28 M (A.D), DRAINAGE AREA 4466 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	28.1	12.0	20.0	26.3	90.5	142.0	74.4	67.6	36.0	21.8	16.8	9.8	
2	27.2	9.8	19.2	24.5	76.8	207.8	73.2	65.4	35.0	21.8	16.8	9.8	
3	25.4	8.6	23.6	24.5	66.5	266.6	69.8	64.3	35.0	20.9	16.8	9.8	
4	25.4	7.5	24.5	29.0	56.6	306.2	67.6	63.2	34.0	20.0	16.8	9.8	
5	27.2	7.5	28.1	30.0	62.1	252.2	65.4	61.0	33.0	19.2	16.8	9.8	
6	27.2	7.5	24.5	30.0	58.8	221.6	63.2	61.0	33.0	19.2	16.8	9.8	
7	26.3	9.8	27.2	27.2	75.6	178.6	66.5	58.8	32.0	18.4	16.8	9.8	
8	26.3	16.8	32.0	32.0	78.0	189.8	79.2	57.7	31.0	17.6	16.8	9.8	
9	26.3	16.0	32.0	37.0	73.2	164.5	74.4	57.7	30.0	17.6	16.8	8.6	
10	25.4	14.4	26.3	62.1	87.9	148.0	69.8	56.6	30.0	17.6	16.8	8.6	
11	25.4	12.0	22.7	104.0	69.8	130.6	66.5	54.4	30.0	17.6	16.0	8.6	
12	25.4	9.8	24.5	97.0	81.6	116.6	73.2	52.2	29.0	17.6	16.0	7.5	
13	25.4	8.6	30.0	86.6	82.8	104.0	93.1	50.0	28.1	17.6	16.0	7.5	
14	31.0	7.5	25.4	82.8	75.6	95.7	89.2	48.9	27.2	17.6	16.0	6.4	
15	33.0	7.5	22.7	87.9	84.0	90.5	75.6	47.8	27.2	16.8	16.0	6.4	
16	31.0	7.5	17.6	120.8	149.5	87.9	72.0	46.7	26.3	16.8	15.2	6.4	
17	27.2	8.6	17.6	106.8	188.2	85.3	79.2	45.6	25.4	16.8	15.2	5.3	
18	23.6	9.8	25.4	93.1	145.0	91.8	90.5	45.6	25.4	16.8	15.2	5.3	
19	20.9	9.8	23.6	72.0	197.8	93.1	87.9	45.6	25.4	16.8	15.2	5.3	
20	20.0	9.8	24.5	58.8	214.6	91.8	94.4	44.5	25.4	16.8	14.4	5.3	
21	19.2	12.0	24.5	50.0	158.5	89.2	101.2	42.3	24.5	16.8	14.4	5.3	
22	16.8	10.9	25.4	50.0	164.5	94.4	206.1	41.2	23.6	16.8	13.6	5.3	
23	22.7	10.9	32.0	48.9	148.0	86.6	207.8	41.2	23.6	16.8	13.6	5.3	
24	62.1	8.6	31.0	58.8	130.6	81.6	142.0	40.1	22.7	16.8	12.8	5.3	
25	20.9	6.4	26.3	41.2	122.2	74.4	112.4	40.1	22.7	16.8	12.8	4.1	
26	19.2	6.4	25.4	41.2	122.2	74.4	97.0	39.0	22.7	16.8	12.8	4.1	
27	20.0	8.6	24.5	50.0	119.4	70.9	87.9	38.0	22.7	16.8	12.0	4.1	
28	17.6	16.0	23.6	47.8	126.4	69.8	80.4	38.0	22.7	16.8	10.9	4.1	
29	16.0	18.4	26.3	119.4	120.8	66.5	76.8	37.0	21.8	16.8		4.1	
30	13.6	18.4	27.2	115.2	180.2	65.4	72.0	36.0	21.8	16.8		4.1	
31		18.4		99.8	133.4		69.8		21.8	16.8		4.1	
TOTAL	755.8	335.8	757.6	1954.7	3541.1	3837.8	2778.5	1487.5	849.0	550.1	426.1	209.5	17483.5 CMSDAY
MEAN	25.2	10.8	25.3	63.1	114.2	127.9	89.6	49.6	27.4	17.7	15.2	6.8	47.9 CMS
MAX	62.1	18.4	32.0	120.8	214.6	306.2	207.8	67.6	36.0	21.8	16.8	9.8	306.2 CMS
MIN	13.6	6.4	17.6	24.5	56.6	65.4	63.2	36.0	21.8	16.8	10.9	4.1	4.1 CMS
RUNOFF	65.30	29.01	65.46	168.89	305.95	331.59	240.06	128.52	73.35	47.53	36.82	18.10	1510.57 MCM

MOMENTARY PEAK 330.80 CMS, AT 3.02 M (A.D), AT 10.00 HOURS, ON SEP 4, 1984

RUNOFF YIELD 10.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 74.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SALAWIN RIVER BASIN

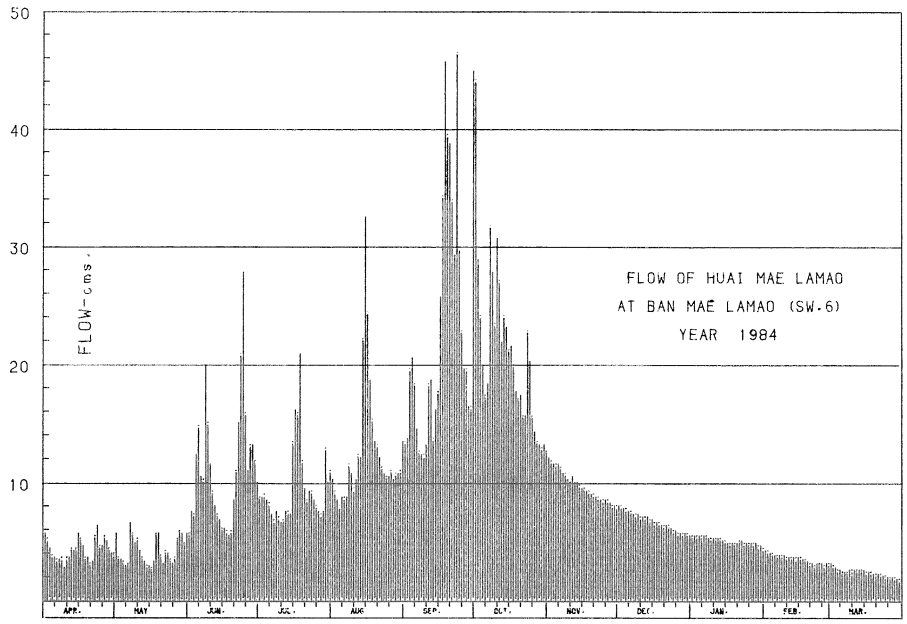
HUAI MAE LAMAO AT BAN MAE LAMAO, TAK (SW.6)

LOCATION	LAT. 16-45- 44 N., LONG. 98-45-14 E., ON LEFT BANK DOWNSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN MAE LAMAO, AMPHOE MAE SOT, TAK.
DRAINAGE AREA	1,038 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 6.25 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+10.386 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.68	0.68	0.68	0.81	0.87	0.99	1.89	0.94	0.78	0.67	0.61	0.55	
2	0.66	0.58	0.76	0.81	0.83	1.00	1.48	0.93	0.78	0.67	0.61	0.54	
3	0.62	0.57	0.75	0.82	0.80	1.20	1.34	0.92	0.77	0.67	0.60	0.53	
4	0.59	0.56	0.95	0.80	0.78	1.23	1.21	0.92	0.77	0.67	0.60	0.52	
5	0.58	0.54	1.04	0.79	0.81	1.16	1.13	0.92	0.76	0.67	0.59	0.52	
6	0.57	0.55	0.88	0.75	0.81	1.03	1.16	0.91	0.76	0.67	0.59	0.51	
7	0.57	0.72	0.87	0.73	0.81	0.96	1.56	0.89	0.75	0.67	0.59	0.51	
8	0.58	0.68	1.21	0.76	0.92	0.95	1.45	0.89	0.75	0.66	0.59	0.51	
9	0.53	0.64	1.05	0.74	0.89	0.95	1.32	0.87	0.75	0.66	0.59	0.52	
10	0.58	0.66	0.92	0.72	0.84	0.98	1.53	0.86	0.74	0.66	0.58	0.52	
11	0.58	0.61	0.83	0.73	0.87	1.16	1.43	0.88	0.74	0.66	0.58	0.52	
12	0.62	0.58	0.78	0.76	0.95	1.17	1.27	0.86	0.74	0.66	0.58	0.52	
13	0.61	0.56	0.75	0.76	0.94	1.00	1.34	0.86	0.74	0.66	0.58	0.52	
14	0.62	0.54	0.73	0.75	1.28	1.09	1.31	0.85	0.73	0.65	0.58	0.52	
15	0.68	0.54	0.70	0.99	1.58	1.14	1.25	0.84	0.73	0.65	0.58	0.52	
16	0.66	0.53	0.70	1.09	1.35	1.39	1.26	0.84	0.72	0.64	0.58	0.51	
17	0.63	0.56	0.69	1.08	1.17	1.63	1.21	0.83	0.72	0.64	0.57	0.51	
18	0.58	0.68	0.67	1.24	1.06	1.93	1.14	0.83	0.72	0.64	0.57	0.51	
19	0.58	0.68	0.69	0.93	0.99	1.77	1.12	0.82	0.71	0.64	0.56	0.50	
20	0.55	0.59	0.80	0.84	0.98	1.75	1.13	0.82	0.71	0.64	0.55	0.50	
21	0.56	0.55	0.90	0.80	0.94	1.62	1.07	0.81	0.71	0.65	0.55	0.50	
22	0.67	0.61	1.05	0.83	0.91	1.49	1.07	0.81	0.71	0.65	0.54	0.50	
23	0.71	0.60	1.24	0.83	0.89	1.95	1.30	0.80	0.70	0.64	0.55	0.49	
24	0.63	0.57	1.45	0.80	0.88	1.50	1.22	0.80	0.69	0.64	0.55	0.49	
25	0.63	0.55	1.08	0.78	0.88	1.30	1.07	0.80	0.69	0.64	0.55	0.48	
26	0.67	0.58	0.90	0.76	0.90	1.20	1.02	0.80	0.68	0.64	0.54	0.48	
27	0.65	0.66	0.98	0.75	0.87	1.20	0.99	0.79	0.68	0.64	0.55	0.48	
28	0.62	0.69	0.98	0.76	0.89	1.10	0.98	0.78	0.68	0.64	0.55	0.48	
29	0.60	0.68	0.93	0.97	0.89	1.10	0.97	0.78	0.68	0.63		0.47	
30	0.60	0.64	0.86	0.86	0.90	1.91	0.98	0.78	0.68	0.63		0.47	
31		0.68		0.90	0.99		0.96		0.67	0.62		0.47	
MEAN	0.61	0.61	0.89	0.84	0.95	1.29	1.23	0.85	0.72	0.65	0.57	0.51	
MAX	0.71	0.72	1.45	1.24	1.58	1.95	1.89	0.94	0.78	0.67	0.61	0.55	1.95
MIN	0.53	0.53	0.67	0.72	0.78	0.95	0.96	0.78	0.67	0.62	0.54	0.47	0.47

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.46 M (A.D), AT 21.00 HOURS, ON SEP 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 15.00 M (A.D)
RIGHT BANK ELEVATION 10.39 M (A.D), DRAINAGE AREA 1038 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.78	5.78	5.78	8.85	10.35	13.53	44.21	12.18	8.12	5.57	4.31	3.23	
2	5.36	3.75	7.64	8.85	9.35	13.80	28.98	11.91	8.12	5.57	4.31	3.05	
3	4.52	3.57	7.40	9.10	8.60	19.70	24.18	11.64	7.88	5.57	4.10	2.87	
4	3.92	3.40	12.45	8.60	8.12	20.66	20.02	11.64	7.88	5.57	4.10	2.70	
5	3.75	3.05	14.88	8.36	8.85	18.42	17.46	11.64	7.64	5.57	3.92	2.70	
6	3.57	3.23	10.60	7.40	8.85	14.61	18.42	11.37	7.64	5.57	3.92	2.52	
7	3.57	6.68	10.35	6.92	8.85	12.72	31.86	10.85	7.40	5.57	3.92	2.52	
8	3.75	5.78	20.02	7.64	11.64	12.45	27.90	10.85	7.40	5.36	3.92	2.52	
9	2.87	4.94	15.15	7.16	10.85	12.45	23.54	10.35	7.40	5.36	3.92	2.70	
10	3.75	5.36	11.64	6.68	9.60	13.26	30.78	10.10	7.16	5.36	3.75	2.70	
11	3.75	4.31	9.35	6.92	10.35	18.42	27.18	10.60	7.16	5.36	3.75	2.70	
12	4.52	3.75	8.12	7.64	12.45	18.74	21.94	10.10	7.16	5.36	3.75	2.70	
13	4.31	3.40	7.40	7.64	12.18	13.80	24.18	10.10	7.16	5.36	3.75	2.70	
14	4.52	3.05	6.92	7.40	22.26	16.23	23.22	9.85	6.92	5.15	3.75	2.70	
15	5.78	3.05	6.20	13.53	32.58	17.78	21.30	9.60	6.92	5.15	3.75	2.70	
16	5.36	2.87	6.20	16.23	24.50	25.78	21.62	9.60	6.68	4.94	3.75	2.52	
17	4.73	3.40	5.99	15.96	18.74	34.38	20.02	9.35	6.68	4.94	3.57	2.52	
18	3.75	5.78	5.57	20.98	15.42	45.77	17.78	9.35	6.68	4.94	3.57	2.52	
19	3.75	5.78	5.99	11.91	13.53	39.56	17.14	9.10	6.44	4.94	3.40	2.35	
20	3.23	3.92	8.60	9.60	13.26	38.80	17.46	9.10	6.44	4.94	3.23	2.35	
21	3.40	3.23	11.10	8.60	12.18	34.02	15.69	8.85	6.44	5.15	3.23	2.35	
22	5.57	4.31	15.15	9.35	11.37	29.34	15.69	8.85	6.44	5.15	3.05	2.35	
23	6.44	4.10	20.98	9.35	10.85	46.55	22.90	8.60	6.20	4.94	3.23	2.20	
24	4.73	3.57	27.90	8.60	10.60	29.70	20.34	8.60	5.99	4.94	3.23	2.20	
25	4.73	3.23	15.96	8.12	10.60	22.90	15.69	8.60	5.99	4.94	3.23	2.06	
26	5.57	3.75	11.10	7.64	11.10	19.70	14.34	8.60	5.78	4.94	3.05	2.06	
27	5.15	5.36	13.26	7.40	10.35	19.70	13.53	8.36	5.78	4.94	3.23	2.06	
28	4.52	5.99	13.26	7.64	10.85	16.50	13.26	8.12	5.78	4.94	3.23	2.06	
29	4.10	5.78	11.91	12.99	10.85	16.50	12.99	8.12	5.78	4.73		1.91	
30	4.10	4.94	10.10	10.10	11.10	44.99	13.26	8.12	5.78	4.73		1.91	
31		5.78		11.10	13.53		12.72		5.57	4.52		1.91	
TOTAL	132.85	134.89	336.97	298.26	393.71	700.76	649.60	294.10	210.41	160.07	101.92	76.34	3489.88 CMSDAY
MEAN	4.43	4.35	11.23	9.62	12.70	23.36	20.95	9.80	6.79	5.16	3.64	2.46	9.56 CMS
MAX	6.44	6.68	27.90	20.98	32.58	46.55	44.21	12.18	8.12	5.57	4.31	3.23	46.55 CMS
MIN	2.87	2.87	5.57	6.68	8.12	12.45	12.72	8.12	5.57	4.52	3.05	1.91	1.91 CMS
RUNOFF	11.478	11.654	29.114	25.770	34.017	60.546	56.125	25.410	18.179	13.830	8.806	6.596	301.526 MCM

MOMENTARY PEAK 68.04 CMS, AT 2.46 M (A.D), AT 21.00 HOURS, ON SEP 17, 1984

RUNOFF YIELD 9.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 65.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SALAWIN RIVER BASIN

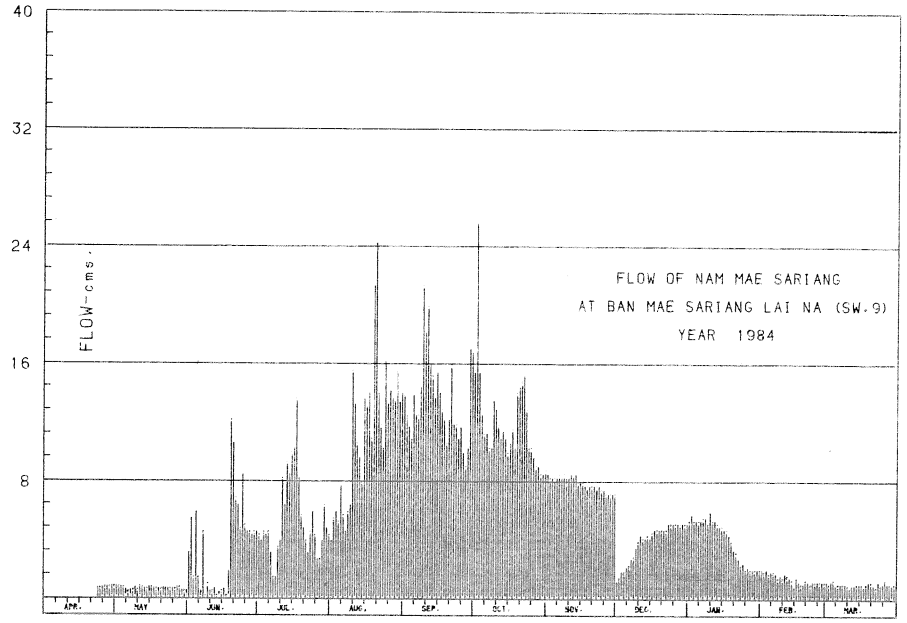
NAM MAE SARIANG AT BAN MAE SARIANG, MAE HONG SON (SW.9)

LOCATION	LAT. 18-09-45 N., LONG. 97-57-20 E., ON RIGHT BANK AT MAE SARIANG,AMPHOE MAE SARIANG, MAE HONG SON.
DRAINAGE AREA	375 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS NORTH-WEST OF THE TOP STAFF GAGE.
ELEVATION	+7.045 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. NO RECORDS ON APR.1-22,AUG.20,1984.STAGE-DISCHARGE RELATION DEFINED BY 157 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.30	0.47	0.50	0.49	0.84	0.88	0.67	0.61	0.87	0.67	0.61	
2	*******	0.30	0.55	0.49	0.55	0.80	1.09	0.66	0.63	0.89	0.66	0.60	
3	*******	0.29	0.43	0.51	0.57	0.78	0.88	0.66	0.66	0.87	0.67	0.61	
4	*******	0.29	0.57	0.50	0.54	0.75	0.80	0.66	0.66	0.87	0.65	0.62	
5	*******	0.34	0.43	0.51	0.64	0.84	0.76	0.66	0.68	0.87	0.66	0.59	
6	*******	0.36	0.36	0.47	0.56	0.80	0.76	0.67	0.69	0.87	0.66	0.60	
7	*******	0.35	0.51	0.43	0.51	0.80	0.73	0.66	0.72	0.88	0.65	0.60	
8	*******	0.34	0.40	0.43	0.57	0.85	0.73	0.67	0.73	0.88	0.63	0.60	
9	*******	0.32	0.42	0.48	0.59	1.01	0.83	0.66	0.77	0.86	0.64	0.60	
10	*******	0.34	0.36	0.49	0.88	0.94	0.81	0.67	0.80	0.90	0.63	0.59	
11	*******	0.30	0.35	0.66	0.82	0.98	0.78	0.67	0.82	0.87	0.65	0.57	
12	*******	0.29	0.33	0.59	0.74	0.89	0.75	0.67	0.81	0.87	0.64	0.59	
13	*******	0.28	0.40	0.70	0.71	0.87	0.77	0.67	0.81	0.86	0.63	0.59	
14	*******	0.28	0.37	0.67	0.65	0.83	0.75	0.65	0.82	0.85	0.62	0.60	
15	*******	0.29	0.35	0.72	0.83	0.88	0.72	0.65	0.81	0.85	0.58	0.60	
16	*******	0.29	0.41	0.73	0.82	0.84	0.74	0.65	0.83	0.84	0.63	0.60	
17	*******	0.28	0.40	0.83	0.84	0.81	0.77	0.64	0.84	0.84	0.61	0.58	
18	*******	0.28	0.44	0.66	0.75	0.79	0.73	0.64	0.84	0.82	0.60	0.60	
19	*******	0.28	0.79	0.56	1.01	0.74	0.84	0.64	0.84	0.80	0.60	0.61	
20	*******	0.28	0.74	0.52	1.07	0.79	0.85	0.64	0.84	0.76	0.62	0.61	
21	*******	0.29	0.61	0.49	0.84	0.89	0.86	0.64	0.84	0.75	0.61	0.59	
22	*******	0.28	0.59	0.47	0.78	0.78	0.87	0.64	0.84	0.72	0.60	0.58	
23	0.32	0.28	0.52	0.51	0.73	0.78	0.81	0.64	0.86	0.69	0.61	0.61	
24	0.32	0.28	0.67	0.57	0.90	0.75	0.73	0.63	0.86	0.70	0.61	0.59	
25	0.32	0.28	0.53	0.50	0.82	0.78	0.73	0.63	0.86	0.67	0.61	0.60	
26	0.31	0.33	0.51	0.46	0.85	0.72	0.71	0.62	0.86	0.68	0.61	0.62	
27	0.31	0.31	0.51	0.46	0.83	0.69	0.69	0.62	0.86	0.67	0.61	0.60	
28	0.31	0.31	0.50	0.49	0.83	0.73	0.69	0.62	0.86	0.67	0.61	0.60	
29	0.30	0.35	0.51	0.59	0.88	0.92	0.67	0.62	0.86	0.67		0.59	
30	0.30	0.35	0.51	0.52	0.83	0.91	0.67	0.62	0.86	0.67		0.60	
31		0.35		0.50	0.84		0.68		0.86	0.67		0.60	
MEAN	*******	0.31	0.48	0.55	0.75	0.83	0.78	0.65	0.79	0.80	0.63	0.60	
MAX	0.32	0.36	0.79	0.83	1.07	1.01	1.09	0.67	0.86	0.90	0.67	0.62	1.09
MIN	*******	0.28	0.33	0.43	0.49	0.69	0.67	0.62	0.61	0.67	0.58	0.57	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.45 M (A.D), AT 21.00 HOURS, ON AUG 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.19 M (A.D)
LEFT BANK ELEVATION 7.87 M (A.D)
RIGHT BANK ELEVATION 7.76 M (A.D), DRAINAGE AREA 375 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.88	3.12	4.35	3.94	14.02	15.54	8.49	1.14	5.30	1.98	1.14	
2	*******	0.88	5.48	3.94	5.48	12.50	25.57	8.22	1.42	5.70	1.84	1.00	
3	*******	0.79	1.47	4.57	5.92	11.86	15.54	8.22	1.84	5.30	1.98	1.14	
4	*******	0.79	5.92	4.35	5.25	10.90	12.50	8.22	1.84	5.30	1.70	1.28	
5	*******	0.62	1.47	4.57	7.68	14.02	11.22	8.22	2.12	5.30	1.84	0.90	
6	*******	0.50	0.50	3.12	5.70	12.50	11.22	8.49	2.26	5.30	1.84	1.00	
7	*******	0.56	4.57	1.47	4.57	12.50	10.26	8.22	2.70	5.50	1.70	1.00	
8	*******	0.62	0.24	1.47	5.92	14.40	10.26	8.49	2.85	5.50	1.42	1.00	
9	*******	0.75	1.06	3.53	6.37	21.33	13.64	8.22	3.45	5.10	1.56	1.00	
10	*******	0.62	0.50	3.94	15.54	18.10	12.88	8.49	3.90	5.90	1.42	0.90	
11	*******	0.88	0.56	8.22	13.26	19.90	11.86	8.49	4.30	5.30	1.70	0.70	
12	*******	0.79	0.69	6.37	10.58	15.92	10.90	8.49	4.10	5.30	1.56	0.90	
13	*******	0.70	0.24	9.30	9.62	15.16	11.54	8.49	4.10	5.10	1.42	0.90	
14	*******	0.70	0.43	8.49	7.95	13.64	10.90	7.95	4.30	4.90	1.28	1.00	
15	*******	0.79	0.56	9.94	13.64	15.54	9.94	7.95	4.10	4.90	0.80	1.00	
16	*******	0.79	0.65	10.26	13.26	14.02	10.58	7.95	4.50	4.70	1.42	1.00	
17	*******	0.70	0.24	13.64	14.02	12.88	11.54	7.68	4.70	4.70	1.14	0.80	
18	*******	0.70	1.88	8.22	10.90	12.18	10.26	7.68	4.70	4.30	1.00	1.00	
19	*******	0.70	12.18	5.70	21.33	10.58	14.02	7.68	4.70	3.90	1.00	1.14	
20	*******	0.70	10.58	4.80	24.51	12.18	14.40	7.68	4.70	3.30	1.28	1.14	
21	*******	0.79	6.87	3.94	14.02	15.92	14.78	7.68	4.70	3.15	1.14	0.90	
22	*******	0.70	6.37	3.12	11.86	11.86	15.16	7.68	4.70	2.70	1.00	0.80	
23	0.75	0.70	4.80	4.57	10.26	11.86	12.88	7.68	5.10	2.26	1.14	1.14	
24	0.75	0.70	8.49	5.92	16.30	10.90	10.26	7.41	5.10	2.40	1.14	0.90	
25	0.75	0.70	5.02	4.35	13.26	11.86	10.26	7.41	5.10	1.98	1.14	1.00	
26	0.82	0.69	4.57	2.71	14.40	9.94	9.62	7.14	5.10	2.12	1.14	1.28	
27	0.82	0.82	4.57	2.71	13.64	9.03	9.03	7.14	5.10	1.98	1.14	1.00	
28	0.82	0.82	4.35	3.94	13.64	10.26	9.03	7.14	5.10	1.98	1.14	1.00	
29	0.88	0.56	4.57	6.37	15.54	17.20	8.49	7.14	5.10	1.98		0.90	
30	0.88	0.56	4.57	4.80	13.64	16.75	8.49	7.14	5.10	1.98		1.00	
31		0.56		4.35	14.02		8.76		5.10	1.98		1.00	
TOTAL	*******	22.06	106.52	167.03	356.02	409.71	371.33	236.88	123.02	125.11	38.86	30.86	******** CMSDAY
MEAN	*******	0.71	3.55	5.39	11.48	13.66	11.98	7.90	3.97	4.04	1.39	1.00	******** CMS
MAX	0.88	0.88	12.18	13.64	24.51	21.33	25.57	8.49	5.10	5.90	1.98	1.28	25.57 CMS
MIN	*******	0.50	0.24	1.47	3.94	9.03	8.49	7.14	1.14	1.98	0.80	0.70	******** CMS
RUNOFF	*******	1.906	9.203	14.431	30.760	35.399	32.083	20.466	10.629	10.810	3.358	2.666	******** MCM

MOMENTARY PEAK 50.80 CMS, AT 1.45 M (A.D), AT 21.00 HOURS, ON AUG 19, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 135.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

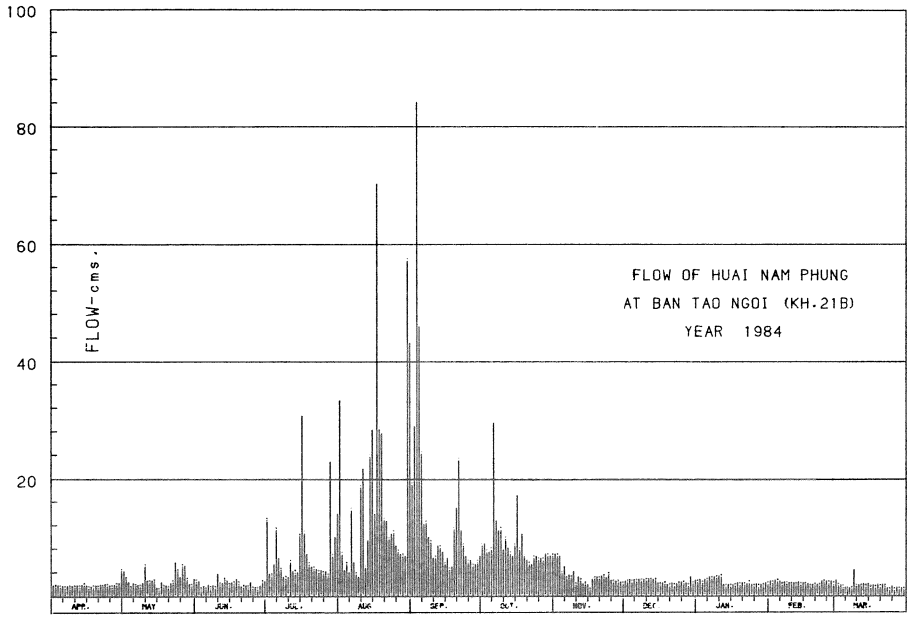
NAM PHUNG AT BAN TAO NGOI, SAKON NAKHON (KH.21B)

LOCATION	LAT. 16-59-39 N., LONG. 104-10-39 E., ON LEFT BANK ABOUT 2.7 KILOMETERS DOWNSTREAM FROM KH.21A, BAN TAO NGOI, AMPHOE MUANG, SAKON NAKHON.
DRAINAGE AREA	641 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+170.60 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENTS OF THE BRIDGE.
ELEVATION	+179.69 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 171 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	171.29	171.44	171.36	171.68	172.02	171.79	171.60	171.55	171.34	171.35	171.34	171.35	
2	171.30	171.39	171.34	171.42	171.56	171.95	171.60	171.55	171.35	171.36	171.34	171.31	
3	171.29	171.33	171.26	171.42	171.45	172.56	171.57	171.54	171.36	171.34	171.35	171.29	
4	171.29	171.28	171.28	171.50	171.51	172.20	171.56	171.44	171.35	171.36	171.36	171.29	
5	171.28	171.32	171.26	171.65	171.43	171.88	171.58	171.48	171.36	171.37	171.34	171.25	
6	171.28	171.31	171.30	171.53	171.71	171.66	171.96	171.39	171.36	171.39	171.32	171.25	
7	171.28	171.30	171.28	171.47	171.51	171.67	171.68	171.41	171.36	171.39	171.33	171.24	
8	171.29	171.30	171.29	171.39	171.43	171.62	171.64	171.40	171.36	171.39	171.33	171.26	
9	171.28	171.32	171.28	171.40	171.39	171.61	171.65	171.44	171.36	171.40	171.32	171.45	
10	171.29	171.50	171.42	171.39	171.78	171.53	171.57	171.32	171.37	171.40	171.32	171.30	
11	171.29	171.35	171.33	171.52	171.83	171.54	171.62	171.39	171.37	171.41	171.32	171.29	
12	171.29	171.35	171.32	171.44	171.49	171.59	171.58	171.37	171.37	171.30	171.32	171.30	
13	171.30	171.35	171.38	171.45	171.61	171.59	171.56	171.31	171.36	171.30	171.33	171.31	
14	171.32	171.36	171.35	171.43	171.87	171.56	171.54	171.33	171.37	171.30	171.32	171.30	
15	171.29	171.25	171.32	171.63	171.94	171.51	171.60	171.30	171.32	171.30	171.32	171.31	
16	171.28	171.24	171.33	171.98	171.70	171.53	171.75	171.24	171.32	171.30	171.32	171.28	
17	171.27	171.33	171.34	171.64	172.43	171.47	171.58	171.36	171.32	171.31	171.31	171.29	
18	171.29	171.30	171.37	171.55	171.95	171.48	171.63	171.39	171.33	171.32	171.30	171.28	
19	171.29	171.29	171.34	171.51	171.93	171.65	171.55	171.39	171.30	171.32	171.30	171.30	
20	171.29	171.28	171.27	171.48	171.68	171.71	171.52	171.39	171.31	171.32	171.31	171.29	
21	171.30	171.32	171.30	171.48	171.67	171.86	171.51	171.40	171.32	171.32	171.30	171.30	
22	171.30	171.35	171.29	171.46	171.62	171.64	171.50	171.41	171.31	171.31	171.31	171.30	
23	171.31	171.51	171.29	171.45	171.63	171.60	171.54	171.38	171.31	171.34	171.34	171.24	
24	171.31	171.46	171.33	171.45	171.64	171.54	171.54	171.43	171.33	171.30	171.35	171.24	
25	171.29	171.39	171.27	171.44	171.59	171.52	171.53	171.35	171.33	171.30	171.34	171.27	
26	171.29	171.50	171.26	171.44	171.57	171.52	171.53	171.35	171.34	171.31	171.34	171.24	
27	171.30	171.49	171.26	171.42	171.55	171.50	171.53	171.34	171.32	171.30	171.34	171.25	
28	171.32	171.38	171.28	171.85	171.55	171.50	171.55	171.35	171.31	171.30	171.33	171.25	
29	171.32	171.31	171.35	171.55	171.54	171.52	171.55	171.33	171.39	171.31		171.24	
30	171.46	171.31	171.34	171.62	172.31	171.54	171.54	171.33	171.33	171.32		171.25	
31		171.37		171.70	172.16		171.55		171.35	171.33		171.25	
MEAN	171.30	171.35	171.31	171.53	171.71	171.66	171.59	171.39	171.34	171.33	171.33	171.28	
MAX	171.46	171.51	171.42	171.98	172.43	172.56	171.96	171.55	171.39	171.41	171.36	171.45	172.56
MIN	171.27	171.24	171.26	171.39	171.39	171.47	171.50	171.24	171.30	171.30	171.30	171.24	171.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 173.49 M (MSL), AT 16.00 HOURS, ON SEP 3, 1984
ZERO GAGE AT BOTTOM ELEVATION 170.60 M (MSL), RIVER BED 170.71 M (MSL)
LEFT BANK ELEVATION 179.65 M (MSL)
RIGHT BANK ELEVATION 179.65 M (MSL), DRAINAGE AREA 641 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.90	4.30	2.90	13.40	33.40	19.45	9.00	7.25	2.60	2.75	2.60	2.75	
2	2.00	3.35	2.60	3.90	7.60	29.00	9.00	7.25	2.75	2.90	2.60	2.15	
3	1.90	2.45	1.60	3.90	4.50	84.60	7.95	6.90	2.90	2.60	2.75	1.90	
4	1.90	1.80	1.80	5.50	5.85	46.00	7.60	4.30	2.75	2.90	2.90	1.90	
5	1.80	2.30	1.60	11.75	4.10	24.80	8.30	5.10	2.90	3.05	2.60	1.50	
6	1.80	2.15	2.00	6.55	15.05	12.30	29.60	3.35	2.90	3.35	2.30	1.50	
7	1.80	2.00	1.80	4.90	5.85	12.85	13.40	3.70	2.90	3.35	2.45	1.40	
8	1.90	2.00	1.90	3.35	4.10	10.10	11.20	3.50	2.90	3.35	2.45	1.60	
9	1.80	2.30	1.80	3.50	3.35	9.55	11.75	4.30	2.90	3.50	2.30	4.50	
10	1.90	5.50	3.90	3.35	18.90	6.55	7.95	2.30	3.05	3.50	2.30	2.00	
11	1.90	2.75	2.45	6.20	21.80	6.90	10.10	3.35	3.05	3.70	2.30	1.90	
12	1.90	2.75	2.30	4.30	5.30	8.65	8.30	3.05	3.05	2.00	2.30	2.00	
13	2.00	2.75	3.20	4.50	9.55	8.65	7.60	2.15	2.90	2.00	2.45	2.15	
14	2.30	2.90	2.75	4.10	24.20	7.60	6.90	2.45	3.05	2.00	2.30	2.00	
15	1.90	1.50	2.30	10.65	28.40	5.85	9.00	2.00	2.30	2.00	2.30	2.15	
16	1.80	1.40	2.45	30.80	14.50	6.55	17.25	1.40	2.30	2.00	2.30	1.80	
17	1.70	2.45	2.60	11.20	70.30	4.90	8.30	2.90	2.30	2.15	2.15	1.90	
18	1.90	2.00	3.05	7.25	29.00	5.10	10.65	3.35	2.45	2.30	2.00	1.80	
19	1.90	1.90	2.60	5.85	27.80	11.75	7.25	3.35	2.00	2.30	2.00	2.00	
20	1.90	1.80	1.70	5.10	13.40	15.05	6.20	3.35	2.15	2.30	2.15	1.90	
21	2.00	2.30	2.00	5.10	12.85	23.60	5.85	3.50	2.30	2.30	2.00	2.00	
22	2.00	2.75	1.90	4.70	10.10	11.20	5.50	3.70	2.15	2.15	2.15	2.00	
23	2.15	5.85	1.90	4.50	10.65	9.00	6.90	3.20	2.15	2.60	2.60	1.40	
24	2.15	4.70	2.45	4.50	11.20	6.90	6.90	4.10	2.45	2.00	2.75	1.40	
25	1.90	3.35	1.70	4.30	8.65	6.20	6.55	2.75	2.45	2.00	2.60	1.70	
26	1.90	5.50	1.60	4.30	7.95	6.20	6.55	2.75	2.60	2.15	2.60	1.40	
27	2.00	5.30	1.60	3.90	7.25	5.50	6.55	2.60	2.30	2.00	2.60	1.50	
28	2.30	3.20	1.80	23.00	7.25	5.50	7.25	2.75	2.15	2.00	2.45	1.50	
29	2.30	2.15	2.75	7.25	6.90	6.20	7.25	2.45	3.35	2.15		1.40	
30	4.70	2.15	2.60	10.10	57.55	6.90	6.90	2.45	2.45	2.30		1.50	
31		3.05		14.50	43.20		7.25		2.75	2.45		1.50	
TOTAL	61.30	90.65	67.60	236.20	530.50	423.40	280.75	105.55	81.20	78.10	67.25	58.10	2080.60 CMSDAY
MEAN	2.04	2.92	2.25	7.62	17.11	14.11	9.06	3.52	2.62	2.52	2.40	1.87	5.70 CMS
MAX	4.70	5.85	3.90	30.80	70.30	84.60	29.60	7.25	3.35	3.70	2.90	4.50	84.60 CMS
MIN	1.70	1.40	1.60	3.35	3.35	4.90	5.50	1.40	2.00	2.00	2.00	1.40	1.40 CMS
RUNOFF	5.296	7.832	5.841	20.408	45.835	36.582	24.257	9.120	7.016	6.748	5.810	5.020	179.764 MCM

MOMENTARY PEAK 208.50 CMS, AT 173.49 M (MSL), AT 16.00 HOURS, ON SEP 3, 1984

RUNOFF YIELD 8.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 325.27 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

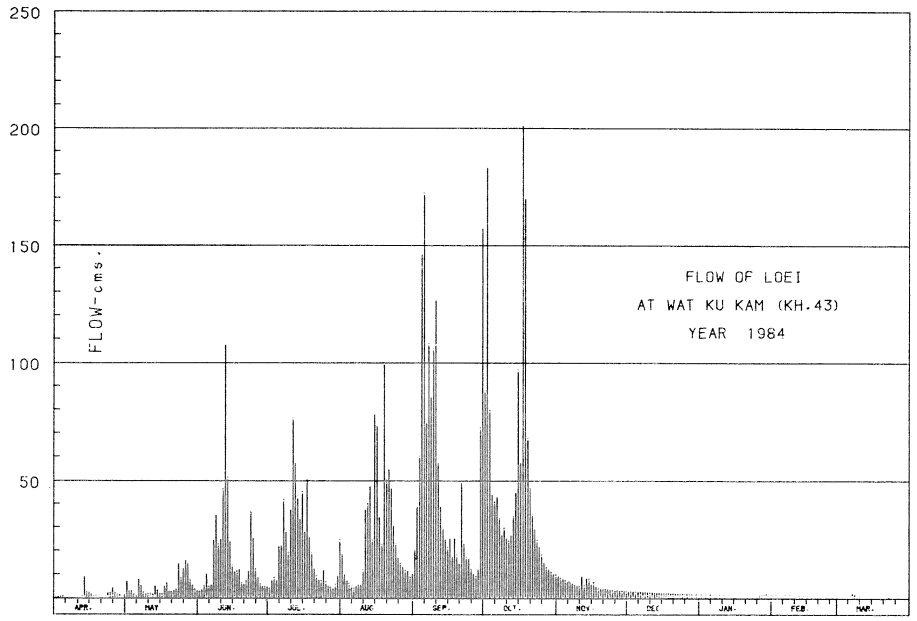
LOEI RIVER AT WAT KU KAM, LOEI (KH.43)

LOCATION	LAT. 17-14-15 N., LONG. 101-41-31 E., ON LEFT BANK DOWNSTREAM FROM WAT KU KAM AT BAN SAI KHAO, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	991 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+10.667 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1973, 1981 TO DATE.
RATED BY FLOAT	
RATED BY CURRENT METER	1966 - 1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	1.05	0.80	0.91	1.38	1.44	2.70	1.13	0.80	0.68	0.66	0.63	
2	0.56	0.82	0.85	1.06	1.15	1.83	3.89	1.11	0.80	0.68	0.65	0.63	
3	0.60	0.82	0.96	1.11	1.05	2.25	2.57	1.09	0.79	0.68	0.65	0.62	
4	0.59	0.69	1.16	1.06	0.97	3.46	1.94	1.07	0.79	0.68	0.64	0.62	
5	0.57	0.66	0.96	1.45	0.92	3.77	1.88	1.04	0.78	0.68	0.66	0.61	
6	0.56	1.14	0.98	1.46	0.91	2.48	1.92	1.03	0.78	0.67	0.66	0.61	
7	0.55	0.97	1.51	1.90	0.95	2.99	1.72	1.01	0.77	0.67	0.67	0.72	
8	0.54	0.78	1.75	1.59	0.98	2.65	1.56	0.99	0.77	0.67	0.66	0.67	
9	0.56	0.70	1.48	1.40	0.98	2.96	1.63	0.97	0.77	0.67	0.65	0.63	
10	0.55	0.71	1.52	1.80	1.22	3.23	1.53	0.96	0.76	0.67	0.65	0.62	
11	0.61	0.72	1.99	2.52	1.80	2.22	1.51	1.13	0.76	0.66	0.64	0.61	
12	0.61	0.67	2.98	2.20	1.86	1.83	1.56	0.99	0.75	0.66	0.64	0.60	
13	1.12	0.96	2.09	1.93	2.01	1.64	1.74	1.10	0.74	0.66	0.64	0.59	
14	0.80	0.84	1.50	1.71	1.52	1.52	1.96	1.10	0.74	0.66	0.63	0.58	
15	0.76	0.72	1.28	1.97	2.54	1.45	2.83	1.00	0.74	0.65	0.63	0.59	
16	0.68	0.70	1.19	1.59	2.48	1.53	2.20	1.04	0.73	0.65	0.63	0.59	
17	0.64	0.96	1.20	2.07	1.73	1.38	4.10	0.95	0.73	0.65	0.62	0.58	
18	0.63	1.02	1.22	1.54	1.48	1.53	3.74	0.91	0.73	0.65	0.62	0.58	
19	0.60	0.80	1.03	1.40	2.86	1.38	2.38	0.90	0.72	0.65	0.62	0.57	
20	0.59	0.78	0.99	1.23	2.07	1.29	2.00	0.88	0.72	0.65	0.61	0.57	
21	0.57	0.83	1.05	1.14	2.15	2.06	1.77	0.90	0.72	0.65	0.61	0.57	
22	0.59	0.87	1.20	1.07	2.02	1.48	1.62	0.88	0.71	0.65	0.61	0.57	
23	0.74	1.29	1.78	1.06	1.65	1.36	1.52	0.86	0.71	0.65	0.61	0.57	
24	0.75	1.11	1.53	1.21	1.49	1.34	1.45	0.85	0.71	0.65	0.61	0.57	
25	0.92	1.23	1.23	1.05	1.35	1.23	1.38	0.84	0.70	0.65	0.62	0.57	
26	0.76	1.32	1.11	0.96	1.30	1.16	1.30	0.84	0.70	0.66	0.63	0.56	
27	0.69	1.29	1.01	0.93	1.25	1.13	1.25	0.83	0.70	0.66	0.64	0.56	
28	0.65	1.08	0.95	0.90	1.21	1.22	1.22	0.83	0.69	0.69	0.63	0.56	
29	0.62	0.98	0.95	1.00	1.20	2.45	1.19	0.82	0.69	0.69		0.56	
30	0.77	0.89	0.94	1.13	1.12	3.59	1.16	0.81	0.69	0.68		0.57	
31		0.82		1.52	1.16		1.15		0.68	0.67		0.59	
MEAN	0.66	0.91	1.31	1.42	1.51	2.00	1.95	0.96	0.74	0.66	0.64	0.60	
MAX	1.12	1.32	2.98	2.52	2.86	3.77	4.10	1.13	0.80	0.69	0.67	0.72	4.10
MIN	0.54	0.66	0.80	0.90	0.91	1.13	1.15	0.81	0.68	0.65	0.61	0.56	0.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.64 M (A.D), AT 2.00 HOURS, ON OCT 18, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.43 M (A.D)
LEFT BANK ELEVATION 11.77 M (A.D)
RIGHT BANK ELEVATION 10.26 M (A.D), DRAINAGE AREA 991 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	7.20	2.90	4.19	18.60	21.30	88.50	9.40	2.90	1.62	1.44	1.17	
2	0.54	3.12	3.45	7.46	10.00	38.85	183.10	8.80	2.90	1.62	1.35	1.17	
3	0.90	3.12	5.14	8.80	7.20	60.50	80.05	8.24	2.79	1.62	1.35	1.08	
4	0.81	1.71	10.30	7.46	5.33	146.10	44.00	7.72	2.79	1.62	1.26	1.08	
5	0.63	1.44	5.14	21.75	4.38	172.45	41.10	6.94	2.68	1.62	1.44	0.99	
6	0.54	9.70	5.52	22.20	4.19	74.30	43.00	6.68	2.68	1.53	1.44	0.99	
7	0.45	5.33	24.45	42.00	4.95	108.30	33.90	6.16	2.57	1.53	1.53	2.02	
8	0.36	2.68	35.25	28.05	5.52	85.25	26.70	5.71	2.57	1.53	1.44	1.53	
9	0.54	1.80	23.10	19.50	5.52	106.20	29.85	5.33	2.57	1.53	1.35	1.17	
10	0.45	1.91	24.90	37.50	12.20	126.55	25.35	5.14	2.46	1.53	1.35	1.08	
11	0.99	2.02	46.50	76.80	37.50	58.70	24.45	9.40	2.46	1.44	1.26	0.99	
12	0.99	1.53	107.60	57.50	40.20	38.85	26.70	5.71	2.35	1.44	1.26	0.90	
13	9.10	5.14	51.50	43.50	47.50	30.30	34.80	8.50	2.24	1.44	1.26	0.81	
14	2.90	3.34	24.00	33.45	24.90	24.90	45.00	8.50	2.24	1.44	1.17	0.72	
15	2.46	2.02	14.30	45.50	78.10	21.75	97.10	5.90	2.24	1.35	1.17	0.81	
16	1.62	1.80	11.20	28.05	74.30	25.35	57.50	6.94	2.13	1.35	1.17	0.81	
17	1.26	5.14	11.50	50.50	34.35	18.60	202.00	4.95	2.13	1.35	1.08	0.72	
18	1.17	6.42	12.20	25.80	23.10	25.35	169.90	4.19	2.13	1.35	1.08	0.72	
19	0.90	2.90	6.68	19.50	99.20	18.60	68.30	4.00	2.02	1.35	1.08	0.63	
20	0.81	2.68	5.71	12.55	50.50	14.65	47.00	3.78	2.02	1.35	0.99	0.63	
21	0.63	3.23	7.20	9.70	54.75	50.00	36.15	4.00	2.02	1.35	0.99	0.63	
22	0.81	3.67	11.50	7.72	48.00	23.10	29.40	3.78	1.91	1.35	0.99	0.63	
23	2.24	14.65	36.60	7.46	30.75	17.70	24.90	3.56	1.91	1.35	0.99	0.63	
24	2.35	8.80	25.35	11.85	23.55	16.80	21.75	3.45	1.91	1.35	0.99	0.63	
25	4.38	12.55	12.55	7.20	17.25	12.55	18.60	3.34	1.80	1.35	1.08	0.63	
26	2.46	15.90	8.80	5.14	15.00	10.30	15.00	3.34	1.80	1.44	1.17	0.54	
27	1.71	14.65	6.16	4.57	13.25	9.40	13.25	3.23	1.80	1.44	1.26	0.54	
28	1.35	7.98	4.95	4.00	11.85	12.20	12.20	3.23	1.71	1.71	1.17	0.54	
29	1.08	5.52	4.95	5.90	11.50	72.50	11.20	3.12	1.71	1.71		0.54	
30	2.57	3.89	4.76	9.40	9.10	157.15	10.30	3.01	1.71	1.62		0.63	
31		3.12		24.90	10.30		10.00		1.62	1.53		0.81	
TOTAL	47.63	164.96	554.16	689.90	832.84	1598.55	1571.05	166.05	68.77	45.81	34.11	26.77	5800.60 CMSDAY
MEAN	1.59	5.32	18.47	22.25	26.87	53.28	50.68	5.53	2.22	1.48	1.22	0.86	15.89 CMS
MAX	9.10	15.90	107.60	76.80	99.20	172.45	202.00	9.40	2.90	1.71	1.53	2.02	202.00 CMS
MIN	0.36	1.44	2.90	4.00	4.19	9.40	10.00	3.01	1.62	1.35	0.99	0.54	0.36 CMS
RUNOFF	4.115	14.253	47.879	59.607	71.957	138.115	135.739	14.347	5.942	3.958	2.947	2.313	501.172 MCM

MOMENTARY PEAK 253.00 CMS, AT 4.64 M (A.D), AT 2.00 HOURS, ON OCT 18, 1984

RUNOFF YIELD 16.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 255.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

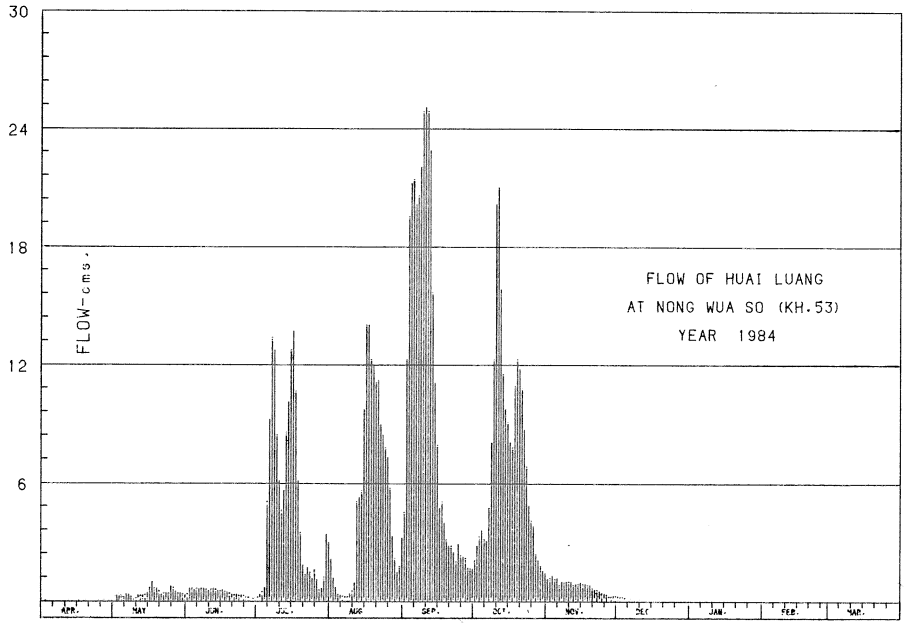
HUAI LUANG AT NONG WUA SO, UDON THANI (KH.53)

LOCATION	LAT. 17-15-53 N., LONG. 102-35-48 E., ON LEFT BANK AT THE BRIDGE OF UDON THANI-LOEI HIGHWAY, AMPHOE NONG WUA SO, UDON THANI.
DRAINAGE AREA	436 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+202.316 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+208.00 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	202.21	202.21	202.32	202.27	202.64	202.92	202.63	202.47	202.28	202.17	202.41	202.36	
2	202.22	202.32	202.39	202.31	202.48	203.53	202.74	202.48	202.27	202.17	202.45	202.39	
3	202.21	202.28	202.39	202.35	202.40	203.94	202.80	202.50	202.27	202.17	202.45	202.39	
4	202.21	202.28	202.37	202.40	202.31	204.02	202.83	202.47	202.26	202.17	202.43	202.40	
5	202.17	202.27	202.39	202.97	202.30	204.03	202.78	202.48	202.25	202.17	202.49	202.47	
6	202.16	202.37	202.38	203.31	202.29	203.97	202.77	202.42	202.25	202.18	202.41	202.33	
7	202.16	202.31	202.39	203.60	202.28	203.99	202.94	202.45	202.25	202.18	202.38	202.43	
8	202.16	202.28	202.39	203.56	202.28	204.06	203.22	202.44	202.26	202.18	202.40	202.43	
9	202.16	202.25	202.38	203.25	202.32	204.19	203.53	202.45	202.25	202.18	202.44	202.41	
10	202.17	202.26	202.36	203.06	202.36	204.20	203.97	202.45	202.24	202.18	202.47	202.28	
11	202.20	202.30	202.38	202.93	202.44	204.19	204.01	202.45	202.23	202.18	202.42	202.23	
12	202.19	202.30	202.39	203.02	202.97	204.10	203.75	202.42	202.19	202.18	202.41	202.21	
13	202.21	202.30	202.38	203.26	202.99	203.74	203.48	202.43	202.18	202.20	202.41	202.19	
14	202.20	202.31	202.36	203.38	203.02	203.45	203.35	202.43	202.18	202.26	202.43	202.19	
15	202.19	202.33	202.36	203.56	203.35	203.21	203.30	202.44	202.18	202.35	202.49	202.19	
16	202.22	202.40	202.37	203.62	203.64	202.94	203.22	202.43	202.18	202.39	202.48	202.19	
17	202.23	202.45	202.35	203.42	203.64	202.97	203.20	202.43	202.17	202.46	202.34	202.19	
18	202.20	202.39	202.34	203.06	203.53	202.87	203.44	202.42	202.17	202.48	202.30	202.19	
19	202.19	202.39	202.33	202.82	203.51	202.78	203.53	202.42	202.17	202.45	202.34	202.19	
20	202.18	202.36	202.31	202.59	203.45	202.74	203.50	202.39	202.17	202.48	202.36	202.19	
21	202.17	202.31	202.31	202.51	203.46	202.74	203.43	202.37	202.17	202.47	202.39	202.32	
22	202.16	202.33	202.31	202.57	203.29	202.70	203.27	202.37	202.17	202.48	202.40	202.19	
23	202.16	202.33	202.30	202.53	203.25	202.62	203.12	202.35	202.17	202.46	202.44	202.19	
24	202.16	202.33	202.30	202.48	203.20	202.75	202.95	202.33	202.17	202.50	202.53	202.19	
25	202.17	202.41	202.30	202.55	203.16	202.67	202.88	202.32	202.17	202.50	202.48	202.23	
26	202.21	202.40	202.27	202.47	203.03	202.66	202.85	202.31	202.17	202.56	202.42	202.31	
27	202.20	202.35	202.27	202.37	202.80	202.65	202.68	202.28	202.17	202.55	202.35	202.31	
28	202.20	202.33	202.26	202.39	202.65	202.57	202.63	202.28	202.17	202.43	202.32	202.31	
29	202.21	202.33	202.25	202.49	202.53	202.56	202.58	202.29	202.17	202.37		202.25	
30	202.21	202.32	202.26	202.81	202.58	202.56	202.54	202.29	202.17	202.41		202.25	
31		202.30		202.76	202.79		202.52		202.17	202.45		202.25	
MEAN	202.19	202.33	202.34	202.86	202.87	203.28	203.11	202.40	202.20	202.33	202.42	202.28	
MAX	202.23	202.45	202.39	203.62	203.64	204.20	204.01	202.50	202.28	202.56	202.53	202.47	204.20
MIN	202.16	202.21	202.25	202.27	202.28	202.56	202.52	202.28	202.17	202.17	202.30	202.19	202.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 204.21 M (MSL), AT 24.00 HOURS, ON SEP 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 201.31 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION 207.82 M (MSL)
RIGHT BANK ELEVATION 207.81 M (MSL), DRAINAGE AREA 436 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.03	0.38	0.21	2.14	4.52	2.08	1.12	0.24	0.00	0.00	0.00	
2	0.06	0.38	0.66	0.34	1.18	12.28	2.82	1.18	0.21	0.00	0.00	0.00	
3	0.03	0.24	0.66	0.50	0.70	19.54	3.30	1.30	0.21	0.00	0.00	0.00	
4	0.03	0.24	0.58	0.70	0.34	21.22	3.60	1.12	0.18	0.00	0.00	0.00	
5	0.00	0.21	0.66	5.07	0.30	21.43	3.14	1.18	0.15	0.00	0.00	0.00	
6	0.00	0.58	0.62	9.23	0.27	20.17	3.06	0.82	0.15	0.00	0.00	0.00	
7	0.00	0.34	0.66	13.40	0.24	20.59	4.74	1.00	0.15	0.00	0.00	0.00	
8	0.00	0.24	0.66	12.76	0.24	22.06	8.06	0.94	0.18	0.00	0.00	0.00	
9	0.00	0.15	0.62	8.45	0.38	24.88	12.28	1.00	0.15	0.00	0.00	0.00	
10	0.00	0.18	0.54	6.12	0.54	25.10	20.17	1.00	0.12	0.00	0.00	0.00	
11	0.00	0.30	0.62	4.63	0.94	24.88	21.01	1.00	0.09	0.00	0.00	0.00	
12	0.00	0.30	0.66	5.64	5.07	22.90	15.85	0.82	0.00	0.00	0.00	0.00	
13	0.03	0.30	0.62	8.58	5.29	15.68	11.52	0.88	0.00	0.00	0.00	0.00	
14	0.00	0.34	0.54	10.14	5.64	11.10	9.75	0.88	0.00	0.00	0.00	0.00	
15	0.00	0.42	0.54	12.76	9.75	7.93	9.10	0.94	0.00	0.00	0.00	0.00	
16	0.06	0.70	0.58	13.72	14.04	4.74	8.06	0.88	0.00	0.00	0.00	0.00	
17	0.09	1.00	0.50	10.68	14.04	5.07	7.80	0.88	0.00	0.00	0.00	0.00	
18	0.00	0.66	0.46	6.12	12.28	4.00	10.96	0.82	0.00	0.00	0.00	0.00	
19	0.00	0.66	0.42	3.50	11.96	3.14	12.28	0.82	0.00	0.00	0.00	0.00	
20	0.00	0.54	0.34	1.84	11.10	2.82	11.80	0.66	0.00	0.00	0.00	0.00	
21	0.00	0.34	0.34	1.36	11.24	2.82	10.82	0.58	0.00	0.00	0.00	0.00	
22	0.00	0.42	0.34	1.72	8.97	2.50	8.71	0.58	0.00	0.00	0.00	0.00	
23	0.00	0.42	0.30	1.48	8.45	2.02	6.84	0.50	0.00	0.00	0.00	0.00	
24	0.00	0.42	0.30	1.18	7.80	2.90	4.85	0.42	0.00	0.00	0.00	0.00	
25	0.00	0.76	0.30	1.60	7.32	2.32	4.10	0.38	0.00	0.00	0.00	0.00	
26	0.03	0.70	0.21	1.12	5.76	2.26	3.80	0.34	0.00	0.00	0.00	0.00	
27	0.00	0.50	0.21	0.58	3.30	2.20	2.38	0.24	0.00	0.00	0.00	0.00	
28	0.00	0.42	0.18	0.66	2.20	1.72	2.08	0.24	0.00	0.00	0.00	0.00	
29	0.03	0.42	0.15	1.24	1.48	1.66	1.78	0.27	0.00	0.00		0.00	
30	0.03	0.38	0.18	3.40	1.78	1.66	1.54	0.27	0.00	0.00		0.00	
31		0.30		2.98	3.22		1.42		0.00	0.00		0.00	
TOTAL	0.42	12.89	13.83	151.71	157.96	316.11	229.70	23.06	1.83	0.00	0.00	0.00	907.51 CMSDAY
MEAN	0.01	0.42	0.46	4.89	5.10	10.54	7.41	0.77	0.06	0.00	0.00	0.00	2.49 CMS
MAX	0.09	1.00	0.66	13.72	14.04	25.10	21.01	1.30	0.24	0.00	0.00	0.00	25.10 CMS
MIN	0.00	0.03	0.15	0.21	0.24	1.66	1.42	0.24	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.036	1.114	1.195	13.108	13.648	27.312	19.846	1.992	0.158	0.000	0.000	0.000	78.409 MCM

MOMENTARY PEAK 25.35 CMS, AT 204.21 M (MSL), AT 24.00 HOURS, ON SEP 24, 1984

RUNOFF YIELD 5.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 58.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

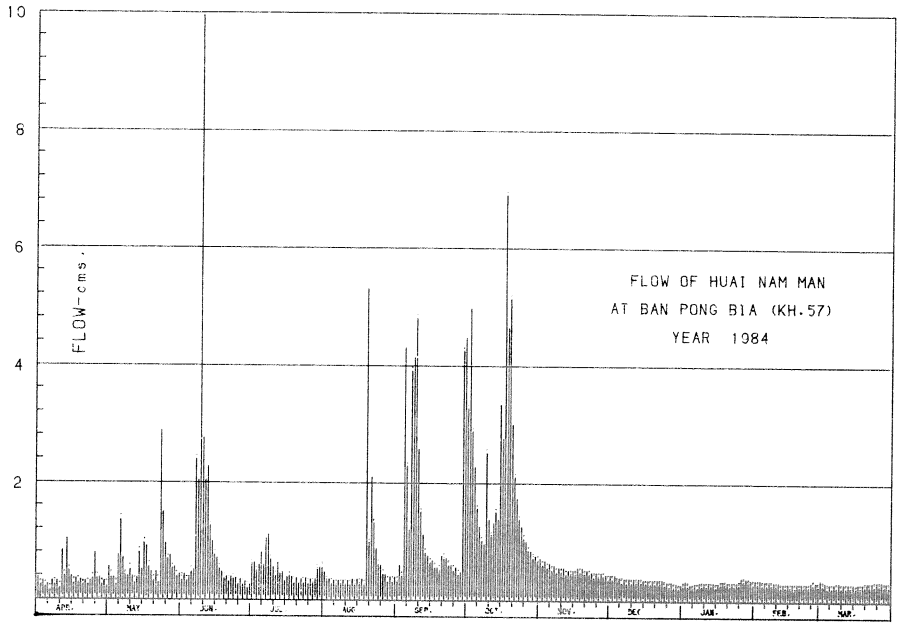
HUAI NAM MAN AT BAN PONG BIA, LOEI (KH.57)

LOCATION	LAT. 17-30-13 N., LONG. 101-37-35 E., ON LEFT BANK AT BAN PONG BIA, TAMBON NAM MAN, AMPHOE MUANG, LOEI.
DRAINAGE AREA	79 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+12.895 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 139 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	0.44	0.41	0.47	0.42	0.40	0.94	0.48	0.41	0.36	0.38	0.38	
2	0.36	0.42	0.41	0.46	0.40	0.45	1.13	0.47	0.41	0.37	0.38	0.37	
3	0.36	0.39	0.40	0.44	0.38	0.42	0.89	0.47	0.41	0.36	0.38	0.36	
4	0.35	0.37	0.40	0.45	0.38	1.06	0.78	0.46	0.40	0.34	0.37	0.35	
5	0.33	0.49	0.44	0.52	0.37	0.79	0.67	0.46	0.40	0.34	0.37	0.35	
6	0.32	0.64	0.43	0.45	0.37	0.60	0.61	0.45	0.40	0.35	0.37	0.35	
7	0.36	0.48	0.81	0.58	0.37	1.02	0.57	0.45	0.39	0.35	0.37	0.35	
8	0.37	0.42	0.74	0.58	0.37	1.04	0.54	0.44	0.39	0.36	0.37	0.36	
9	0.36	0.40	1.61	0.49	0.37	1.12	0.83	0.44	0.39	0.36	0.36	0.36	
10	0.34	0.45	0.86	0.44	0.37	0.83	0.63	0.44	0.39	0.36	0.36	0.35	
11	0.51	0.40	0.75	0.42	0.37	0.66	0.59	0.44	0.39	0.36	0.36	0.35	
12	0.42	0.39	0.78	0.46	0.37	0.58	0.62	0.43	0.39	0.36	0.35	0.35	
13	0.56	0.39	0.62	0.43	0.38	0.52	0.66	0.43	0.39	0.36	0.35	0.35	
14	0.44	0.52	0.55	0.42	0.37	0.49	0.63	0.43	0.39	0.36	0.35	0.35	
15	0.40	0.43	0.51	0.40	0.38	0.48	0.95	0.43	0.38	0.35	0.35	0.35	
16	0.38	0.56	0.48	0.40	0.38	0.47	0.86	0.43	0.38	0.35	0.35	0.34	
17	0.38	0.53	0.45	0.42	0.38	0.46	1.31	0.44	0.38	0.37	0.35	0.35	
18	0.39	0.46	0.42	0.40	0.37	0.44	1.10	0.44	0.38	0.37	0.35	0.35	
19	0.37	0.42	0.41	0.39	1.16	0.45	1.15	0.44	0.38	0.37	0.35	0.35	
20	0.36	0.40	0.40	0.39	0.56	0.49	0.90	0.43	0.38	0.36	0.35	0.36	
21	0.36	0.42	0.40	0.39	0.75	0.50	0.76	0.43	0.38	0.36	0.35	0.36	
22	0.37	0.40	0.40	0.38	0.63	0.48	0.69	0.43	0.38	0.36	0.35	0.36	
23	0.36	0.88	0.41	0.39	0.52	0.47	0.64	0.42	0.38	0.36	0.35	0.36	
24	0.41	0.66	0.39	0.39	0.47	0.45	0.61	0.42	0.37	0.36	0.35	0.37	
25	0.50	0.54	0.38	0.38	0.45	0.45	0.58	0.42	0.36	0.37	0.36	0.37	
26	0.41	0.49	0.38	0.38	0.43	0.44	0.55	0.42	0.36	0.40	0.38	0.37	
27	0.39	0.49	0.37	0.38	0.41	0.43	0.53	0.42	0.36	0.40	0.36	0.37	
28	0.37	0.45	0.36	0.38	0.40	0.42	0.51	0.42	0.35	0.39	0.36	0.36	
29	0.36	0.44	0.35	0.45	0.40	1.06	0.50	0.41	0.35	0.39		0.36	
30	0.36	0.42	0.33	0.44	0.40	1.08	0.49	0.41	0.34	0.38		0.36	
31		0.41		0.46	0.40		0.49		0.34	0.38		0.36	
MEAN	0.39	0.47	0.52	0.43	0.44	0.62	0.73	0.44	0.38	0.36	0.36	0.36	
MAX	0.56	0.88	1.61	0.58	1.16	1.12	1.31	0.48	0.41	0.40	0.38	0.38	1.61
MIN	0.32	0.37	0.33	0.38	0.37	0.40	0.49	0.41	0.34	0.34	0.35	0.34	0.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.70 M (A.D), AT 16.00 HOURS, ON JUN 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 10.78 M (A.D)
RIGHT BANK ELEVATION 5.41 M (A.D), DRAINAGE AREA 79 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.56	0.44	0.68	0.48	0.40	3.32	0.72	0.44	0.32	0.36	0.36	
2	0.32	0.48	0.44	0.64	0.40	0.60	4.98	0.68	0.44	0.34	0.36	0.34	
3	0.32	0.38	0.40	0.56	0.36	0.48	2.94	0.68	0.44	0.32	0.36	0.32	
4	0.30	0.34	0.40	0.60	0.36	4.31	2.28	0.64	0.40	0.28	0.34	0.30	
5	0.26	0.76	0.56	0.88	0.34	2.34	1.62	0.64	0.40	0.28	0.34	0.30	
6	0.24	1.44	0.52	0.60	0.34	1.20	1.26	0.60	0.40	0.30	0.34	0.30	
7	0.32	0.72	2.46	1.12	0.34	3.97	1.08	0.60	0.38	0.30	0.34	0.30	
8	0.34	0.48	2.04	1.12	0.34	4.14	0.96	0.56	0.38	0.32	0.34	0.32	
9	0.32	0.40	10.47	0.76	0.34	4.87	2.58	0.56	0.38	0.32	0.32	0.32	
10	0.28	0.60	2.76	0.56	0.34	2.58	1.38	0.56	0.38	0.32	0.32	0.30	
11	0.84	0.40	2.10	0.48	0.34	1.56	1.16	0.56	0.38	0.32	0.32	0.30	
12	0.48	0.38	2.28	0.64	0.34	1.12	1.32	0.52	0.38	0.32	0.30	0.30	
13	1.04	0.38	1.32	0.52	0.36	0.88	1.56	0.52	0.38	0.32	0.30	0.30	
14	0.56	0.88	1.00	0.48	0.34	0.76	1.38	0.52	0.38	0.32	0.30	0.30	
15	0.40	0.52	0.84	0.40	0.36	0.72	3.40	0.52	0.36	0.30	0.30	0.30	
16	0.36	1.04	0.72	0.40	0.36	0.68	2.76	0.52	0.36	0.30	0.30	0.28	
17	0.36	0.92	0.60	0.48	0.36	0.64	6.96	0.56	0.36	0.34	0.30	0.30	
18	0.38	0.64	0.48	0.40	0.34	0.56	4.65	0.56	0.36	0.34	0.30	0.30	
19	0.34	0.48	0.44	0.38	5.31	0.60	5.20	0.56	0.36	0.34	0.30	0.30	
20	0.32	0.40	0.40	0.38	1.04	0.76	3.00	0.52	0.36	0.32	0.30	0.32	
21	0.32	0.48	0.40	0.38	2.10	0.80	2.16	0.52	0.36	0.32	0.30	0.32	
22	0.34	0.40	0.40	0.36	1.38	0.72	1.74	0.52	0.36	0.32	0.30	0.32	
23	0.32	2.88	0.44	0.38	0.88	0.68	1.44	0.48	0.36	0.32	0.30	0.32	
24	0.44	1.56	0.38	0.38	0.68	0.60	1.26	0.48	0.34	0.32	0.30	0.34	
25	0.80	0.96	0.36	0.36	0.60	0.60	1.12	0.48	0.32	0.34	0.32	0.34	
26	0.44	0.76	0.36	0.36	0.52	0.56	1.00	0.48	0.32	0.40	0.36	0.34	
27	0.38	0.76	0.34	0.36	0.44	0.52	0.92	0.48	0.32	0.40	0.32	0.34	
28	0.34	0.60	0.32	0.36	0.40	0.48	0.84	0.48	0.30	0.38	0.32	0.32	
29	0.32	0.56	0.30	0.60	0.40	4.31	0.80	0.44	0.30	0.38		0.32	
30	0.32	0.48	0.26	0.56	0.40	4.48	0.76	0.44	0.28	0.36		0.32	
31		0.44		0.64	0.40		0.76		0.28	0.36		0.32	
TOTAL	12.18	22.08	34.23	16.82	20.99	46.92	66.59	16.40	11.26	10.22	8.96	9.76	276.41 CMSDAY
MEAN	0.41	0.71	1.14	0.54	0.68	1.56	2.15	0.55	0.36	0.33	0.32	0.31	0.76 CMS
MAX	1.04	2.88	10.47	1.12	5.31	4.87	6.96	0.72	0.44	0.40	0.36	0.36	10.47 CMS
MIN	0.24	0.34	0.26	0.36	0.34	0.40	0.76	0.44	0.28	0.28	0.30	0.28	0.24 CMS
RUNOFF	1.052	1.908	2.957	1.453	1.814	4.054	5.753	1.417	0.973	0.883	0.774	0.843	23.882 MCM

MOMENTARY PEAK 26.70 CMS, AT 2.70 M (A.D), AT 16.00 HOURS, ON JUN 9, 1984

RUNOFF YIELD 9.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 337.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

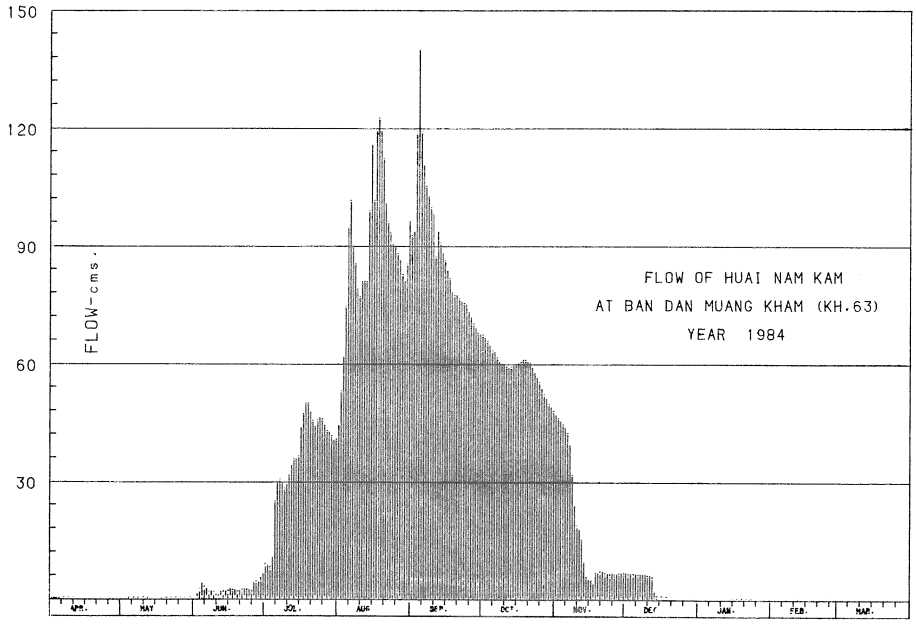
HUAI NAM KAM AT BAN DAN MUANG KHAM, SAKON NAKHON (KH.63)

LOCATION	LAT. 17-06-15 N., LONG. 104-21-26 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.
DRAINAGE AREA	1,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.428 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.44	0.48	1.64	3.80	5.06	4.63	3.94	1.42	0.43	0.30	0.33	
2	0.37	0.40	0.67	1.59	4.18	5.07	4.61	3.90	1.40	0.43	0.30	0.32	
3	0.38	0.40	0.95	1.56	4.48	5.28	4.59	3.86	1.40	0.43	0.30	0.28	
4	0.38	0.40	1.12	1.75	4.81	5.40	4.56	3.82	1.40	0.41	0.30	0.26	
5	0.38	0.40	1.03	2.68	5.08	5.28	4.53	3.77	1.39	0.40	0.32	0.26	
6	0.38	0.41	0.93	2.98	5.16	5.23	4.52	3.70	1.38	0.41	0.35	0.26	
7	0.37	0.39	0.81	3.03	5.03	5.20	4.48	3.53	1.38	0.41	0.35	0.26	
8	0.37	0.40	0.81	2.96	4.98	5.17	4.44	3.10	1.37	0.41	0.33	0.26	
9	0.38	0.40	0.79	2.89	4.91	5.14	4.42	2.61	1.38	0.41	0.31	0.28	
10	0.38	0.46	0.65	2.94	4.87	5.12	4.42	2.30	1.36	0.40	0.35	0.29	
11	0.38	0.43	0.60	3.09	4.93	5.00	4.40	2.23	1.36	0.40	0.35	0.30	
12	0.40	0.43	0.80	3.23	4.93	5.07	4.39	2.07	1.32	0.39	0.35	0.30	
13	0.40	0.41	0.83	3.33	4.93	5.04	4.40	1.66	0.78	0.38	0.32	0.29	
14	0.39	0.42	0.81	3.33	5.13	5.01	4.41	1.32	0.62	0.39	0.29	0.29	
15	0.38	0.44	0.86	3.37	5.26	4.99	4.42	1.24	0.57	0.39	0.29	0.30	
16	0.37	0.41	0.93	3.77	5.16	4.96	4.43	1.22	0.58	0.39	0.29	0.31	
17	0.38	0.41	0.89	3.96	5.28	4.94	4.44	1.10	0.57	0.38	0.29	0.31	
18	0.37	0.40	0.87	4.07	5.30	4.90	4.46	1.42	0.55	0.38	0.29	0.31	
19	0.37	0.44	0.83	4.07	5.28	4.88	4.46	1.41	0.54	0.38	0.29	0.31	
20	0.37	0.41	0.83	3.98	5.24	4.88	4.44	1.46	0.48	0.38	0.29	0.31	
21	0.38	0.41	0.91	3.87	5.15	4.86	4.43	1.45	0.45	0.38	0.29	0.30	
22	0.38	0.43	0.93	3.79	5.10	4.84	4.39	1.42	0.44	0.38	0.30	0.32	
23	0.38	0.43	0.91	3.88	5.07	4.83	4.34	1.40	0.43	0.34	0.36	0.33	
24	0.39	0.42	0.88	3.91	5.04	4.82	4.30	1.39	0.42	0.30	0.36	0.32	
25	0.38	0.42	0.85	3.89	5.03	4.77	4.26	1.41	0.43	0.30	0.33	0.35	
26	0.41	0.42	1.15	3.81	5.01	4.74	4.20	1.39	0.42	0.30	0.33	0.35	
27	0.41	0.43	1.20	3.73	4.99	4.70	4.15	1.39	0.41	0.28	0.33	0.32	
28	0.42	0.43	1.16	3.71	4.95	4.67	4.11	1.41	0.42	0.30	0.33	0.29	
29	0.40	0.46	1.28	3.66	4.93	4.64	4.06	1.41	0.42	0.29		0.26	
30	0.52	0.44	1.39	3.59	4.98	4.63	4.03	1.42	0.42	0.32		0.26	
31		0.45		3.61	5.10		4.00		0.42	0.30		0.25	
MEAN	0.39	0.42	0.91	3.28	4.97	4.97	4.38	2.12	0.84	0.37	0.32	0.30	
MAX	0.52	0.46	1.39	4.07	5.30	5.40	4.63	3.94	1.42	0.43	0.36	0.35	5.40
MIN	0.37	0.39	0.48	1.56	3.80	4.63	4.00	1.10	0.41	0.28	0.29	0.25	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.43 M (A.D), AT 6.00 HOURS, ON SEP 4, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 7.28 M (A.D)
RIGHT BANK ELEVATION 7.60 M (A.D), DRAINAGE AREA 1764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	0.48	0.56	9.28	44.30	92.70	67.50	46.96	6.82	0.46	0.20	0.26	
2	0.34	0.40	1.28	8.69	53.14	93.60	66.70	46.20	6.60	0.46	0.20	0.24	
3	0.36	0.40	2.82	8.36	61.70	119.18	65.90	45.44	6.60	0.46	0.20	0.16	
4	0.36	0.40	4.06	10.70	74.70	140.00	64.70	44.68	6.60	0.42	0.20	0.12	
5	0.36	0.40	3.34	25.08	94.50	119.18	63.50	43.76	6.50	0.40	0.24	0.12	
6	0.36	0.42	2.70	29.88	101.70	110.51	63.10	42.50	6.40	0.42	0.30	0.12	
7	0.34	0.38	2.02	30.71	90.00	105.30	61.70	39.44	6.40	0.42	0.30	0.12	
8	0.34	0.40	2.02	29.56	85.50	102.60	60.50	31.90	6.30	0.42	0.26	0.12	
9	0.36	0.40	1.91	28.44	79.20	99.90	59.90	23.96	6.40	0.42	0.22	0.16	
10	0.36	0.52	1.20	29.24	77.10	98.10	59.90	19.00	6.20	0.40	0.30	0.18	
11	0.36	0.46	1.00	31.73	81.00	87.30	59.30	17.88	6.20	0.40	0.30	0.20	
12	0.40	0.46	1.97	34.11	81.00	93.60	59.02	15.35	5.80	0.38	0.30	0.20	
13	0.40	0.42	2.14	35.84	81.00	90.90	59.30	9.52	1.85	0.36	0.24	0.18	
14	0.38	0.44	2.02	35.84	99.00	88.20	59.60	5.80	1.08	0.38	0.18	0.18	
15	0.36	0.48	2.31	36.56	115.71	86.40	59.90	5.06	0.88	0.38	0.18	0.20	
16	0.34	0.42	2.70	43.76	101.70	83.70	60.20	4.88	0.92	0.38	0.18	0.22	
17	0.36	0.42	2.48	47.34	119.18	81.90	60.50	3.90	0.88	0.36	0.18	0.22	
18	0.34	0.40	2.36	50.06	122.65	78.30	61.10	6.82	0.80	0.36	0.18	0.22	
19	0.34	0.48	2.14	50.06	119.18	77.50	61.10	7.37	0.76	0.36	0.18	0.22	
20	0.34	0.42	2.14	47.72	112.24	77.50	60.50	7.26	0.56	0.36	0.18	0.22	
21	0.36	0.42	2.59	45.63	100.80	76.70	60.20	7.15	0.50	0.36	0.18	0.20	
22	0.36	0.46	2.70	44.12	96.30	75.90	59.02	6.82	0.48	0.36	0.20	0.24	
23	0.36	0.46	2.59	45.82	93.60	75.50	57.62	6.60	0.46	0.28	0.32	0.26	
24	0.38	0.44	2.42	46.39	90.90	75.10	56.50	6.50	0.44	0.20	0.32	0.24	
25	0.36	0.44	2.25	46.01	90.00	73.10	55.38	6.71	0.46	0.20	0.26	0.30	
26	0.42	0.44	4.30	44.49	88.20	71.90	53.70	6.50	0.44	0.20	0.26	0.30	
27	0.42	0.46	4.70	43.04	86.40	70.30	52.30	6.50	0.42	0.16	0.26	0.24	
28	0.44	0.46	4.38	42.68	82.80	69.10	51.18	6.71	0.44	0.20	0.26	0.18	
29	0.40	0.52	5.42	41.78	81.00	67.90	49.78	6.71	0.44	0.18		0.12	
30	0.68	0.48	6.50	40.52	85.50	67.50	48.94	6.82	0.44	0.24		0.12	
31		0.50		40.88	96.30		48.10		0.44	0.20		0.10	
TOTAL	11.34	13.68	81.02	1104.32	2786.30	2649.37	1826.64	534.70	89.51	10.58	6.58	5.96	9120.00 CMSDAY
MEAN	0.38	0.44	2.70	35.62	89.88	88.31	58.92	17.82	2.89	0.34	0.24	0.19	24.99 CMS
MAX	0.68	0.52	6.50	50.06	122.65	140.00	67.50	46.96	6.82	0.46	0.32	0.30	140.00 CMS
MIN	0.34	0.38	0.56	8.36	44.30	67.50	48.10	3.90	0.42	0.16	0.18	0.10	0.10 CMS
RUNOFF	0.980	1.182	7.000	95.413	240.736	228.906	157.822	46.198	7.734	0.914	0.569	0.515	787.968 MCM

MOMENTARY PEAK 146.60 CMS, AT 5.43 M (A.D), AT 6.00 HOURS, ON SEP 4, 1984

RUNOFF YIELD 14.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 83.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

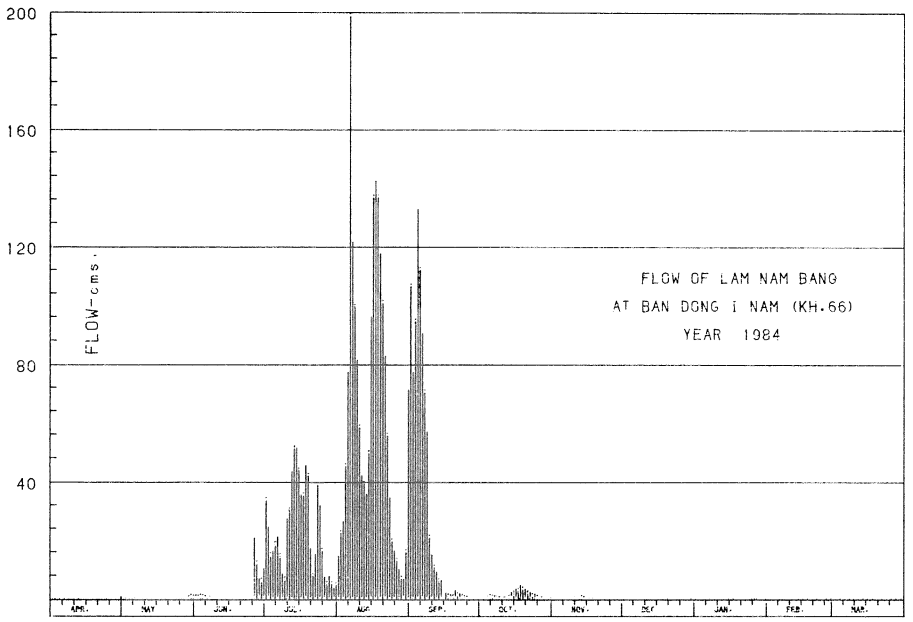
LAM NAM BANG AT BAN DONG I NAM, NAKHON PHANOM (KH.66)

LOCATION	LAT. 17-04-22 N., LONG. 104-34-38 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+9.393 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	1.85	2.04	3.92	3.09	6.41	1.90	1.85	1.85	1.82	1.81	1.80	
2	1.80	1.85	2.03	3.53	3.48	5.97	1.91	1.85	1.85	1.82	1.81	1.80	
3	1.80	1.85	2.09	3.15	3.60	6.24	1.92	1.85	1.84	1.82	1.81	1.80	
4	1.80	1.85	2.05	3.17	4.31	6.67	1.97	1.85	1.83	1.81	1.81	1.80	
5	1.80	1.85	2.01	3.32	5.17	6.49	2.06	1.84	1.83	1.81	1.81	1.80	
6	1.80	1.85	1.99	3.39	6.74	6.17	2.03	1.84	1.83	1.81	1.81	1.80	
7	1.80	1.85	1.97	3.13	6.60	5.84	2.00	1.84	1.83	1.81	1.81	1.80	
8	1.80	1.85	1.93	2.77	6.31	5.53	1.98	1.84	1.82	1.81	1.81	1.80	
9	1.80	1.85	1.93	2.70	6.04	4.12	1.94	1.90	1.82	1.81	1.81	1.80	
10	1.80	1.85	1.93	3.64	5.58	3.68	1.95	1.96	1.82	1.81	1.80	1.80	
11	1.80	1.84	1.94	3.78	5.05	3.37	1.94	1.94	1.83	1.81	1.80	1.80	
12	1.80	1.84	1.95	4.22	4.98	3.09	1.96	1.99	1.83	1.81	1.80	1.80	
13	1.80	1.84	1.96	4.51	4.80	2.73	2.02	2.02	1.83	1.81	1.80	1.80	
14	1.80	1.84	1.97	4.49	5.33	2.63	2.16	1.97	1.83	1.81	1.80	1.80	
15	1.80	1.84	1.95	4.26	6.25	2.24	2.22	1.93	1.83	1.81	1.80	1.80	
16	1.80	1.84	1.90	3.95	6.70	2.13	2.28	1.90	1.83	1.81	1.80	1.80	
17	1.80	1.84	1.89	3.98	6.73	2.10	2.31	1.90	1.83	1.81	1.80	1.80	
18	1.80	1.84	1.90	4.29	6.70	2.06	2.42	1.87	1.83	1.81	1.80	1.80	
19	1.80	1.84	1.94	4.20	6.55	2.05	2.36	1.86	1.83	1.81	1.80	1.80	
20	1.80	1.86	1.94	3.21	6.33	2.23	2.28	1.85	1.83	1.81	1.80	1.80	
21	1.80	1.87	2.00	2.77	6.06	2.15	2.23	1.85	1.83	1.81	1.80	1.80	
22	1.80	1.87	1.97	3.12	5.52	2.10	2.17	1.85	1.82	1.81	1.80	1.80	
23	1.80	1.86	1.96	4.10	4.75	2.07	2.13	1.84	1.82	1.81	1.80	1.80	
24	1.80	1.84	1.97	3.81	4.05	2.01	2.09	1.84	1.82	1.81	1.80	1.80	
25	1.80	1.83	2.06	3.21	3.77	1.98	2.03	1.84	1.82	1.81	1.80	1.80	
26	1.80	1.84	3.37	2.69	3.59	1.94	1.97	1.84	1.82	1.81	1.80	1.80	
27	1.80	1.89	3.02	2.54	3.20	1.92	1.94	1.85	1.82	1.81	1.80	1.80	
28	1.81	1.92	2.64	2.71	2.86	1.91	1.91	1.85	1.82	1.81	1.80	1.80	
29	1.82	2.00	2.65	2.53	2.70	1.90	1.90	1.85	1.82	1.81		1.80	
30	2.05	2.08	2.89	2.30	3.80	1.91	1.89	1.85	1.82	1.81		1.80	
31		2.04		2.50	5.84		1.87		1.82	1.81		1.80	
MEAN	1.81	1.87	2.13	3.42	5.05	3.39	2.06	1.88	1.83	1.81	1.80	1.80	
MAX	2.05	2.08	3.37	4.51	6.74	6.67	2.42	2.02	1.85	1.82	1.81	1.80	6.74
MIN	1.80	1.83	1.89	2.30	2.70	1.90	1.87	1.84	1.82	1.81	1.80	1.80	1.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.93 M (A.D), AT 13.00 HOURS, ON AUG 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 9.16 M (A.D)
RIGHT BANK ELEVATION 9.17 M (A.D), DRAINAGE AREA 441 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.60	1.64	34.92	14.78	107.50	0.80	0.60	0.60	0.48	0.44	0.40	
2	0.40	0.60	1.58	24.78	23.52	77.42	0.86	0.60	0.60	0.48	0.44	0.40	
3	0.40	0.60	1.94	16.10	26.60	95.60	0.92	0.60	0.56	0.48	0.44	0.40	
4	0.40	0.60	1.70	16.54	46.30	133.00	1.22	0.60	0.52	0.44	0.44	0.40	
5	0.40	0.60	1.46	19.84	77.50	113.10	1.76	0.56	0.52	0.44	0.44	0.40	
6	0.40	0.60	1.34	21.38	199.64	90.70	1.58	0.56	0.52	0.44	0.44	0.40	
7	0.40	0.60	1.22	15.66	121.80	71.44	1.40	0.56	0.52	0.44	0.44	0.40	
8	0.40	0.60	0.98	8.85	100.50	57.18	1.28	0.56	0.48	0.44	0.44	0.40	
9	0.40	0.60	0.98	7.80	81.60	21.96	1.04	0.80	0.48	0.44	0.44	0.40	
10	0.40	0.60	0.98	27.64	59.48	15.32	1.10	1.16	0.48	0.44	0.40	0.40	
11	0.40	0.56	1.04	31.28	42.30	11.76	1.04	1.04	0.52	0.44	0.40	0.40	
12	0.40	0.56	1.10	43.60	40.32	9.52	1.16	1.34	0.52	0.44	0.40	0.40	
13	0.40	0.56	1.16	52.34	36.00	7.18	1.52	1.52	0.52	0.44	0.40	0.40	
14	0.40	0.56	1.22	51.70	50.70	6.58	2.48	1.22	0.52	0.44	0.40	0.40	
15	0.40	0.56	1.10	44.80	96.30	3.20	3.00	0.98	0.52	0.44	0.40	0.40	
16	0.40	0.56	0.80	35.70	137.80	2.24	3.60	0.80	0.52	0.44	0.40	0.40	
17	0.40	0.56	0.76	36.48	142.60	2.00	3.90	0.80	0.52	0.44	0.40	0.40	
18	0.40	0.56	0.80	45.70	137.80	1.76	5.00	0.68	0.52	0.44	0.40	0.40	
19	0.40	0.56	1.04	43.00	117.80	1.70	4.40	0.64	0.52	0.44	0.40	0.40	
20	0.40	0.64	1.04	17.42	101.90	3.10	3.60	0.60	0.52	0.44	0.40	0.40	
21	0.40	0.68	1.40	8.85	83.00	2.40	3.10	0.60	0.52	0.44	0.40	0.40	
22	0.40	0.68	1.22	15.44	56.72	2.00	2.56	0.60	0.48	0.44	0.40	0.40	
23	0.40	0.64	1.16	40.00	34.80	1.82	2.24	0.56	0.48	0.44	0.40	0.40	
24	0.40	0.56	1.22	32.06	20.70	1.46	1.94	0.56	0.48	0.44	0.40	0.40	
25	0.40	0.52	1.76	17.42	16.58	1.28	1.58	0.56	0.48	0.44	0.40	0.40	
26	0.40	0.56	20.94	7.70	14.06	1.04	1.22	0.56	0.48	0.44	0.40	0.40	
27	0.40	0.76	13.24	6.20	10.40	0.92	1.04	0.60	0.48	0.44	0.40	0.40	
28	0.44	0.92	7.20	7.95	7.96	0.86	0.86	0.60	0.48	0.44	0.40	0.40	
29	0.48	1.40	7.30	6.10	7.00	0.80	0.80	0.60	0.48	0.44		0.40	
30	1.70	1.88	10.65	3.80	17.00	0.86	0.76	0.60	0.48	0.44		0.40	
31		1.64		5.80	71.44		0.68		0.48	0.44		0.40	
TOTAL	13.42	21.92	89.97	746.85	1994.90	845.70	58.44	22.06	15.80	13.76	11.56	12.40	3846.78 CMSDAY
MEAN	0.45	0.71	3.00	24.09	64.35	28.19	1.89	0.74	0.51	0.44	0.41	0.40	10.54 CMS
MAX	1.70	1.88	20.94	52.34	199.64	133.00	5.00	1.52	0.60	0.48	0.44	0.40	199.64 CMS
MIN	0.40	0.52	0.76	3.80	7.00	0.80	0.68	0.56	0.48	0.44	0.40	0.40	0.40 CMS
RUNOFF	1.159	1.894	7.773	64.528	172.359	73.068	5.049	1.906	1.365	1.189	0.999	1.071	332.362 MCM

MOMENTARY PEAK 225.48 CMS, AT 6.93 M (A.D), AT 13.00 HOURS, ON AUG 6, 1984
RUNOFF YIELD 23.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 511.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

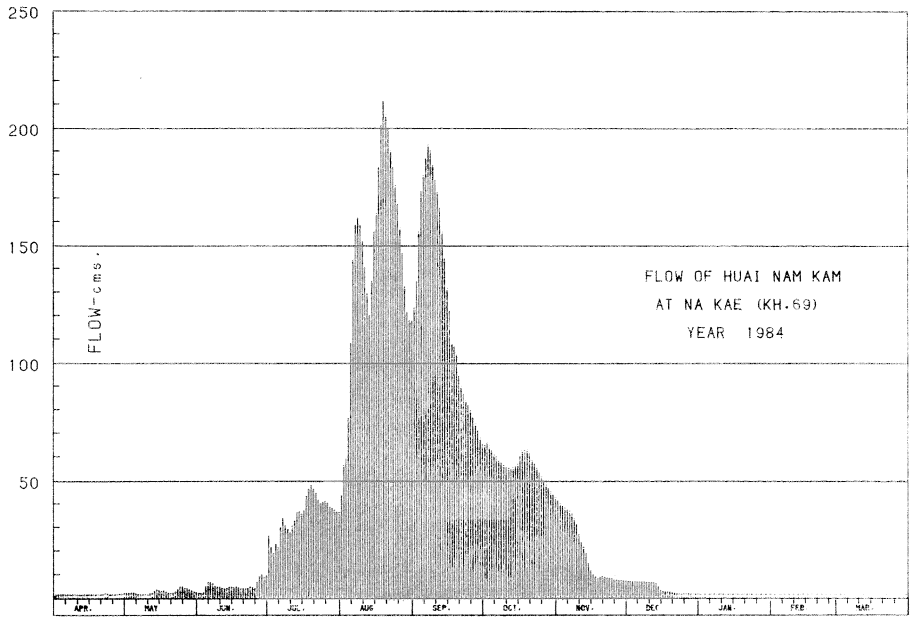
HUAI NAM KAM AT NA KAE, NAKHON PHANOM (KH.69)

LOCATION	LAT. 16-57-20 N., LONG. 104-30-32 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN NA KAE, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	2,214 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+137.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+147.239 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	138.85	138.97	138.97	140.36	140.99	142.84	141.56	140.93	139.47	138.89	138.81	138.81	
2	138.87	138.97	138.97	140.17	141.35	143.03	141.59	140.89	139.46	138.89	138.81	138.80	
3	138.88	138.99	139.00	140.06	141.42	143.38	141.56	140.86	139.45	138.88	138.81	138.80	
4	138.88	138.98	139.25	140.22	141.85	143.67	141.51	140.83	139.45	138.87	138.81	138.79	
5	138.87	138.96	139.44	140.16	142.59	143.78	141.46	140.81	139.45	138.87	138.82	138.79	
6	138.85	138.91	139.45	140.50	143.18	143.90	141.45	140.78	139.44	138.88	138.82	138.77	
7	138.84	138.89	139.38	140.66	143.43	143.95	141.42	140.74	139.44	138.89	138.83	138.77	
8	138.85	138.87	139.27	140.54	143.48	143.93	141.38	140.65	139.44	138.89	138.83	138.77	
9	138.86	138.87	139.24	140.47	143.43	143.85	141.35	140.56	139.43	138.90	138.85	138.76	
10	138.85	138.90	139.24	140.42	143.31	143.75	141.33	140.38	139.42	138.90	138.85	138.74	
11	138.84	138.94	139.19	140.53	143.13	143.66	141.32	140.25	139.42	138.88	138.83	138.73	
12	138.82	138.97	139.16	140.62	142.94	143.55	141.31	140.17	139.41	138.88	138.82	138.73	
13	138.89	139.05	139.18	140.76	142.79	143.38	141.33	140.06	139.38	138.88	138.84	138.75	
14	138.88	139.11	139.23	140.78	143.03	143.19	141.34	139.89	139.23	138.87	138.89	138.75	
15	138.86	139.08	139.23	140.73	143.38	142.98	141.36	139.76	139.08	138.87	138.85	138.75	
16	138.86	139.05	139.21	140.79	143.51	142.82	141.45	139.66	139.02	138.87	138.82	138.75	
17	138.83	139.07	139.24	140.98	143.84	142.60	141.51	139.61	139.01	138.87	138.80	138.75	
18	138.86	139.03	139.21	141.07	144.02	142.56	141.52	139.55	139.01	138.85	138.79	138.77	
19	138.86	138.98	139.19	141.11	144.11	142.51	141.52	139.59	139.00	138.85	138.79	138.77	
20	138.86	138.96	139.17	141.07	144.06	142.29	141.48	139.61	138.98	138.85	138.79	138.77	
21	138.87	138.97	139.16	141.02	144.01	142.19	141.42	139.59	138.97	138.85	138.79	138.77	
22	138.95	139.03	139.19	140.94	143.93	142.11	141.37	139.57	138.92	138.85	138.79	138.76	
23	138.92	139.13	139.24	140.89	143.84	142.04	141.32	139.57	138.92	138.85	138.79	138.75	
24	138.87	139.24	139.21	140.91	143.71	141.99	141.27	139.55	138.91	138.86	138.79	138.77	
25	138.86	139.25	139.17	140.92	143.58	141.93	141.22	139.51	138.91	138.85	138.79	138.77	
26	138.86	139.19	139.44	140.90	143.41	141.86	141.16	139.51	138.92	138.86	138.80	138.79	
27	138.87	139.17	139.62	140.84	143.23	141.79	141.12	139.50	138.93	138.86	138.79	138.81	
28	138.92	139.13	139.68	140.83	142.99	141.72	141.08	139.50	138.91	138.85	138.81	138.83	
29	138.93	139.08	139.60	140.80	142.81	141.64	141.04	139.49	138.90	138.85		138.81	
30	138.97	139.03	139.65	140.77	142.75	141.58	141.00	139.47	138.90	138.82		138.79	
31		139.01		140.76	142.75		140.97		138.90	138.83		138.76	
MEAN	138.87	139.03	139.27	140.70	143.12	142.82	141.35	140.03	139.16	138.87	138.81	138.77	
MAX	138.97	139.25	139.68	141.11	144.11	143.95	141.59	140.93	139.47	138.90	138.89	138.83	144.11
MIN	138.82	138.87	138.97	140.06	140.99	141.58	140.97	139.47	138.90	138.82	138.79	138.73	138.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 144.13 M (MSL), AT 3.00 HOURS, ON AUG 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 137.85 M (MSL), RIVER BED 135.93 M (MSL)
LEFT BANK ELEVATION 147.00 M (MSL)
RIGHT BANK ELEVATION 146.99 M (MSL), DRAINAGE AREA 2214 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.61	2.26	2.26	26.50	43.65	123.40	64.90	41.55	7.20	1.68	1.54	1.54	
2	1.65	2.26	2.26	21.75	56.50	134.80	66.10	40.20	7.10	1.68	1.54	1.53	
3	1.67	2.42	2.50	19.00	59.30	155.80	64.90	39.30	7.00	1.67	1.54	1.53	
4	1.67	2.34	5.00	23.00	76.50	173.20	62.90	38.40	7.00	1.65	1.54	1.51	
5	1.65	2.18	6.90	21.50	108.50	179.80	60.90	37.80	7.00	1.65	1.56	1.51	
6	1.61	1.78	7.00	30.00	143.80	187.00	60.50	37.00	6.90	1.67	1.56	1.47	
7	1.60	1.68	6.30	34.00	158.80	192.84	59.30	36.00	6.90	1.68	1.58	1.47	
8	1.61	1.65	5.20	31.00	161.80	190.50	57.70	33.75	6.90	1.68	1.58	1.47	
9	1.63	1.65	4.90	29.25	158.80	184.00	56.50	31.50	6.80	1.70	1.61	1.46	
10	1.61	1.70	4.90	28.00	151.60	178.00	55.70	27.00	6.70	1.70	1.61	1.42	
11	1.60	2.02	4.40	30.75	140.80	172.60	55.30	23.75	6.70	1.67	1.58	1.40	
12	1.56	2.26	4.10	33.00	129.40	166.00	54.90	21.75	6.60	1.67	1.56	1.40	
13	1.68	3.00	4.30	36.50	120.40	155.80	55.70	19.00	6.30	1.67	1.60	1.44	
14	1.67	3.60	4.80	37.00	134.80	144.40	56.10	14.75	4.80	1.65	1.68	1.44	
15	1.63	3.30	4.80	35.75	155.80	131.80	56.90	11.70	3.30	1.65	1.61	1.44	
16	1.63	3.00	4.60	37.25	163.60	122.20	60.50	9.90	2.70	1.65	1.56	1.44	
17	1.58	3.20	4.90	43.30	183.40	109.00	62.90	9.15	2.60	1.65	1.53	1.44	
18	1.63	2.80	4.60	46.45	201.00	107.00	63.30	8.25	2.60	1.61	1.51	1.47	
19	1.63	2.34	4.40	47.85	211.50	104.50	63.30	8.85	2.50	1.61	1.51	1.47	
20	1.63	2.18	4.20	46.45	205.67	94.55	61.70	9.15	2.34	1.61	1.51	1.47	
21	1.65	2.26	4.10	44.70	199.84	90.10	59.30	8.85	2.26	1.61	1.51	1.47	
22	2.10	2.80	4.40	41.90	190.50	86.90	57.30	8.55	1.86	1.61	1.51	1.46	
23	1.86	3.80	4.90	40.20	183.40	84.10	55.30	8.55	1.86	1.61	1.51	1.44	
24	1.65	4.90	4.60	40.85	175.60	82.10	53.45	8.25	1.78	1.63	1.51	1.47	
25	1.63	5.00	4.20	41.20	167.80	79.70	51.70	7.65	1.78	1.61	1.51	1.47	
26	1.63	4.40	6.90	40.50	157.60	76.90	49.60	7.65	1.86	1.63	1.53	1.51	
27	1.65	4.20	9.30	38.70	146.80	74.10	48.20	7.50	1.94	1.63	1.51	1.54	
28	1.86	3.80	10.20	38.40	132.40	71.30	46.80	7.50	1.78	1.61	1.54	1.58	
29	1.94	3.30	9.00	37.50	121.60	68.10	45.40	7.40	1.70	1.61		1.54	
30	2.26	2.80	9.75	36.75	118.00	65.70	44.00	7.20	1.70	1.56		1.51	
31		2.60		36.50	118.00		42.95		1.70	1.58		1.46	
TOTAL	50.78	87.48	159.67	1095.50	4477.16	3786.19	1754.00	577.85	130.16	50.89	43.44	45.77	12258.89 CMSDAY
MEAN	1.69	2.82	5.32	35.34	144.42	126.21	56.58	19.26	4.20	1.64	1.55	1.48	33.59 CMS
MAX	2.26	5.00	10.20	47.85	211.50	192.84	66.10	41.55	7.20	1.70	1.68	1.58	211.50 CMS
MIN	1.56	1.65	2.26	19.00	43.65	65.70	42.95	7.20	1.70	1.56	1.51	1.40	1.40 CMS
RUNOFF	4.387	7.558	13.795	94.651	386.827	327.127	151.546	49.926	11.246	4.397	3.753	3.955	1059.168 MCM

MOMENTARY PEAK 213.83 CMS, AT 144.13 M (MSL), AT 3.00 HOURS, ON AUG 19, 1984
RUNOFF YIELD 15.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 96.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

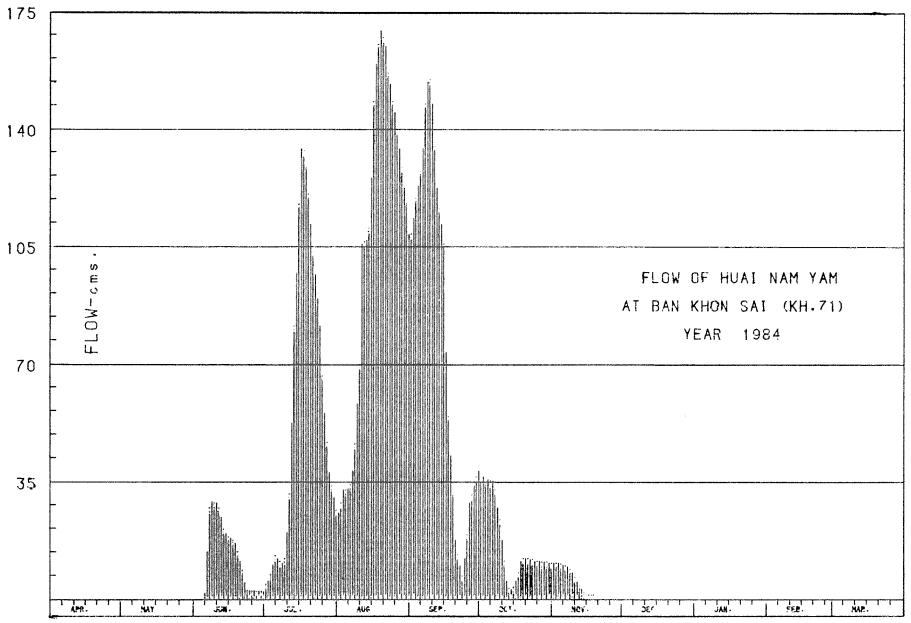
HUAI NAM YAM AT BAN KHON SAI, SAKON NAKHON (KH.71)

LOCATION	LAT. 17-33-20 N., LONG. 103-44-18 E., ON LEFT BANK AT THE BRIDGE OF WANON NIWAT - PHANG KHON, ABOUT 10 KILOMETERS FROM WANON NIWAT, SAKON NAKHON.
DRAINAGE AREA	777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+10.517 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 - 1983.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 - 1983.
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 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.70	1.00	3.59	4.32	6.04	4.60	3.85	3.24	3.15	3.17	3.10	
2	0.76	0.71	1.84	3.63	4.40	6.12	4.60	3.85	3.24	3.15	3.17	3.10	
3	0.76	0.75	2.27	3.72	4.50	6.22	4.59	3.85	3.24	3.15	3.16	3.10	
4	0.76	0.75	2.89	3.83	4.50	6.28	4.58	3.84	3.23	3.15	3.16	3.09	
5	0.76	0.78	3.46	3.93	4.51	6.35	4.57	3.83	3.23	3.15	3.16	3.09	
6	0.75	0.84	3.97	3.90	4.54	6.46	4.57	3.82	3.23	3.14	3.15	3.09	
7	0.75	0.86	4.36	3.87	4.64	6.67	4.50	3.81	3.22	3.14	3.15	3.09	
8	0.75	0.86	4.41	3.85	4.83	6.77	4.36	3.78	3.22	3.14	3.15	3.08	
9	0.75	0.86	4.40	3.90	5.09	6.78	4.26	3.74	3.22	3.14	3.15	3.07	
10	0.75	0.86	4.40	4.15	5.33	6.67	4.08	3.68	3.21	3.13	3.15	3.06	
11	0.74	0.85	4.36	4.47	5.99	6.47	3.87	3.62	3.21	3.13	3.14	3.06	
12	0.74	0.84	4.28	4.97	6.00	6.27	3.63	3.56	3.21	3.14	3.14	3.06	
13	0.73	0.84	4.18	5.55	6.01	6.17	3.52	3.51	3.20	3.14	3.14	3.06	
14	0.73	0.84	4.14	5.84	6.07	6.09	3.50	3.44	3.20	3.14	3.14	3.05	
15	0.73	0.81	4.11	6.19	6.32	5.99	3.54	3.42	3.20	3.15	3.14	3.05	
16	0.73	0.81	4.10	6.46	6.68	5.40	3.63	3.40	3.20	3.15	3.13	3.05	
17	0.72	0.80	4.08	6.45	6.85	5.01	3.74	3.40	3.19	3.15	3.13	3.04	
18	0.72	0.80	4.05	6.37	6.94	4.75	3.87	3.40	3.19	3.15	3.13	3.03	
19	0.72	0.80	3.97	6.24	7.00	4.49	3.90	3.36	3.18	3.15	3.13	3.02	
20	0.71	0.78	3.87	6.09	6.97	4.08	3.90	3.33	3.18	3.16	3.13	3.00	
21	0.71	0.77	3.77	5.95	6.93	3.94	3.90	3.30	3.18	3.16	3.12	3.00	
22	0.71	0.76	3.61	5.83	6.81	3.82	3.89	3.30	3.18	3.16	3.12	2.98	
23	0.70	0.76	3.49	5.73	6.76	3.70	3.89	3.28	3.17	3.17	3.12	2.98	
24	0.70	0.75	3.48	5.55	6.68	3.90	3.87	3.27	3.17	3.17	3.12	2.97	
25	0.70	0.75	3.48	5.26	6.63	4.13	3.87	3.27	3.17	3.17	3.12	2.97	
26	0.70	0.74	3.48	5.03	6.55	4.40	3.87	3.26	3.16	3.17	3.12	2.96	
27	0.70	0.73	3.47	4.84	6.46	4.46	3.86	3.25	3.16	3.17	3.11	2.95	
28	0.69	0.72	3.47	4.63	6.37	4.53	3.86	3.25	3.16	3.18	3.11	2.95	
29	0.69	0.72	3.47	4.53	6.27	4.60	3.86	3.24	3.16	3.18		2.94	
30	0.69	0.74	3.46	4.44	6.21	4.64	3.85	3.24	3.16	3.18		2.93	
31		0.77		4.34	6.04		3.85		3.16	3.18		2.93	
MEAN	0.73	0.79	3.64	4.94	5.91	5.37	4.01	3.51	3.20	3.15	3.14	3.03	
MAX	0.76	0.86	4.41	6.46	7.00	6.78	4.60	3.85	3.24	3.18	3.17	3.10	7.00
MIN	0.69	0.70	1.00	3.59	4.32	3.70	3.50	3.24	3.16	3.13	3.11	2.93	0.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.02 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.47 M (A.D)
LEFT BANK ELEVATION 10.53 M (A.D)
RIGHT BANK ELEVATION 10.53 M (A.D), DRAINAGE AREA 777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	4.64	25.85	108.80	36.62	10.87	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	5.50	28.79	113.51	36.62	10.87	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	7.54	32.63	119.49	36.22	10.87	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	10.33	32.63	123.14	35.82	10.60	0.00	0.00	0.00	0.00	
5	0.00	0.00	2.30	13.11	33.03	127.43	35.42	10.33	0.00	0.00	0.00	0.00	
6	0.00	0.08	14.28	12.23	34.23	134.27	35.42	10.06	0.00	0.00	0.00	0.00	
7	0.00	0.12	27.32	11.42	38.28	147.66	32.63	9.79	0.00	0.00	0.00	0.00	
8	0.00	0.12	29.17	10.87	46.38	154.19	27.32	9.03	0.00	0.00	0.00	0.00	
9	0.00	0.12	28.79	12.23	58.27	154.84	23.72	8.04	0.00	0.00	0.00	0.00	
10	0.00	0.12	28.79	19.96	70.04	147.66	17.66	6.61	0.00	0.00	0.00	0.00	
11	0.00	0.10	27.32	31.48	105.88	134.90	11.42	5.27	0.00	0.00	0.00	0.00	
12	0.00	0.08	24.42	52.67	106.46	122.53	5.50	4.07	0.00	0.00	0.00	0.00	
13	0.00	0.08	20.95	81.45	107.05	116.49	3.30	3.11	0.00	0.00	0.00	0.00	
14	0.00	0.08	19.62	97.32	110.56	111.73	2.92	1.98	0.00	0.00	0.00	0.00	
15	0.00	0.02	18.62	117.68	125.58	105.88	3.68	1.67	0.00	0.00	0.00	0.00	
16	0.00	0.02	18.29	134.27	148.31	73.60	5.50	1.36	0.00	0.00	0.00	0.00	
17	0.00	0.00	17.66	133.64	159.47	54.51	8.04	1.36	0.00	0.00	0.00	0.00	
18	0.00	0.00	16.73	128.66	165.49	42.90	11.42	1.36	0.00	0.00	0.00	0.00	
19	0.00	0.00	14.28	120.71	169.53	32.25	12.23	0.92	0.00	0.00	0.00	0.00	
20	0.00	0.00	11.42	111.73	167.51	17.66	12.23	0.59	0.00	0.00	0.00	0.00	
21	0.00	0.00	8.78	103.58	164.81	13.40	12.23	0.26	0.00	0.00	0.00	0.00	
22	0.00	0.00	5.05	96.75	156.81	10.06	11.96	0.26	0.00	0.00	0.00	0.00	
23	0.00	0.00	2.76	91.18	153.53	7.05	11.96	0.16	0.00	0.00	0.00	0.00	
24	0.00	0.00	2.61	81.45	148.31	12.23	11.42	0.10	0.00	0.00	0.00	0.00	
25	0.00	0.00	2.61	66.54	145.08	19.29	11.42	0.10	0.00	0.00	0.00	0.00	
26	0.00	0.00	2.61	55.45	139.96	28.79	11.42	0.05	0.00	0.00	0.00	0.00	
27	0.00	0.00	2.45	46.82	134.27	31.09	11.15	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	2.45	37.86	128.66	33.83	11.15	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	2.45	33.83	122.53	36.62	11.15	0.00	0.00	0.00		0.00	
30	0.00	0.00	2.30	30.33	118.89	38.28	10.87	0.00	0.00	0.00		0.00	
31		0.00		26.59	108.80		10.87		0.00	0.00		0.00	
TOTAL	0.00	0.94	354.03	1787.82	3287.62	2374.08	519.29	119.69	0.00	0.00	0.00	0.00	8443.47 CMSDAY
MEAN	0.00	0.03	11.80	57.67	106.05	79.14	16.75	3.99	0.00	0.00	0.00	0.00	23.13 CMS
MAX	0.00	0.12	29.17	134.27	169.53	154.84	36.62	10.87	0.00	0.00	0.00	0.00	169.53 CMS
MIN	0.00	0.00	0.00	4.64	25.85	7.05	2.92	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.081	30.588	154.468	284.050	205.121	44.867	10.341	0.000	0.000	0.000	0.000	729.516 MCM

MOMENTARY PEAK 170.89 CMS, AT 7.02 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984

RUNOFF YIELD 29.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 219.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

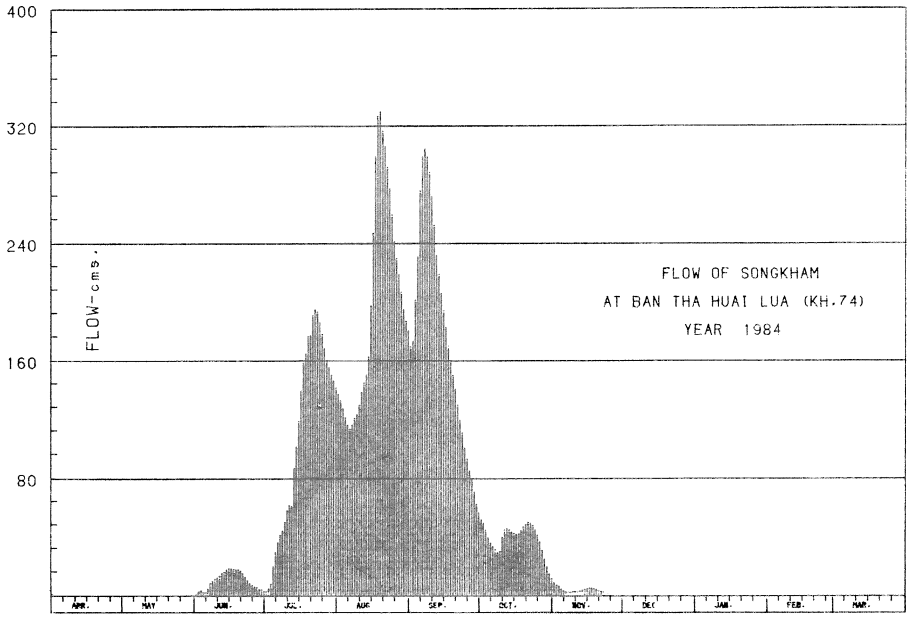
SONGKRAM RIVER AT BAN THA HUAI LUA, SAKON NAKHON (KH.74)

LOCATION	LAT. 17-49-05 N., LONG. 103-23-28 E., ON LEFT BANK AT BAN THA HUAI LUA, AMPHOE BAN MUANG, SAKON NAKHON.
DRAINAGE AREA	2,145 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+11.633 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 222 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.38	0.91	1.23	8.27	8.79	4.81	1.88	0.71	0.38	0.38	0.38	
2	0.24	0.42	1.20	1.48	8.19	8.84	4.67	1.72	0.69	0.45	0.36	0.44	
3	0.25	0.42	1.29	1.80	8.10	9.18	4.42	1.65	0.66	0.45	0.31	0.42	
4	0.25	0.39	1.17	2.83	7.99	9.47	4.14	1.42	0.63	0.44	0.29	0.41	
5	0.26	0.36	1.14	3.59	7.87	9.73	3.93	1.30	0.67	0.42	0.27	0.40	
6	0.27	0.34	1.45	3.96	7.80	9.86	3.81	1.21	0.64	0.42	0.27	0.38	
7	0.26	0.33	1.85	4.24	7.87	9.89	3.69	1.17	0.59	0.42	0.32	0.36	
8	0.25	0.32	2.00	4.39	7.98	9.86	3.58	1.16	0.57	0.39	0.38	0.35	
9	0.24	0.31	2.12	4.73	8.03	9.80	3.61	1.21	0.55	0.39	0.38	0.34	
10	0.23	0.30	2.20	5.32	8.14	9.71	4.16	1.23	0.51	0.39	0.37	0.34	
11	0.23	0.30	2.29	5.64	8.29	9.60	4.43	1.23	0.58	0.40	0.38	0.35	
12	0.24	0.29	2.46	5.57	8.40	9.48	4.49	1.27	0.59	0.39	0.37	0.37	
13	0.24	0.30	2.50	7.04	8.50	9.36	4.43	1.35	0.59	0.39	0.36	0.36	
14	0.25	0.31	2.66	7.52	8.70	9.23	4.36	1.41	0.53	0.39	0.36	0.33	
15	0.25	0.32	2.71	7.93	9.14	9.10	4.30	1.48	0.54	0.39	0.36	0.34	
16	0.26	0.32	2.71	8.31	9.57	8.96	4.27	1.52	0.53	0.38	0.36	0.33	
17	0.26	0.32	2.68	8.63	9.86	8.80	4.28	1.51	0.52	0.38	0.36	0.32	
18	0.27	0.31	2.66	8.73	9.96	8.64	4.41	1.47	0.51	0.38	0.36	0.31	
19	0.26	0.40	2.65	8.88	9.97	8.49	4.54	1.41	0.50	0.37	0.35	0.31	
20	0.26	0.41	2.58	8.89	9.93	8.33	4.65	1.33	0.49	0.38	0.36	0.30	
21	0.26	0.40	2.43	9.06	9.90	8.14	4.71	1.26	0.43	0.38	0.36	0.29	
22	0.27	0.37	2.23	9.11	9.82	7.95	4.69	1.19	0.40	0.37	0.43	0.28	
23	0.31	0.38	2.03	9.09	9.74	7.74	4.60	1.12	0.37	0.33	0.45	0.26	
24	0.32	0.38	1.84	9.00	9.64	7.50	4.45	1.05	0.35	0.36	0.48	0.25	
25	0.33	0.38	1.71	8.90	9.54	7.25	4.23	1.00	0.44	0.39	0.52	0.26	
26	0.35	0.38	1.60	8.78	9.46	6.97	3.98	0.94	0.57	0.39	0.50	0.32	
27	0.37	0.38	1.56	8.66	9.36	6.65	3.65	0.85	0.50	0.36	0.47	0.40	
28	0.37	0.38	1.41	8.58	9.24	6.25	3.25	0.80	0.45	0.35	0.43	0.40	
29	0.36	0.37	1.39	8.49	9.11	5.72	2.80	0.76	0.43	0.34		0.37	
30	0.35	0.41	1.25	8.43	9.01	5.17	2.41	0.74	0.40	0.39		0.36	
31		0.56		8.34	8.93		2.13		0.37	0.40		0.35	
MEAN	0.28	0.36	1.96	6.68	8.91	8.48	4.06	1.25	0.53	0.39	0.38	0.34	
MAX	0.37	0.56	2.71	9.11	9.97	9.89	4.81	1.88	0.71	0.45	0.52	0.44	9.97
MIN	0.23	0.29	0.91	1.23	7.80	5.17	2.13	0.74	0.35	0.33	0.27	0.25	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.97 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 11.37 M (A.D)
RIGHT BANK ELEVATION 11.39 M (A.D), DRAINAGE AREA 2145 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.28	0.82	2.84	137.26	169.26	51.58	8.80	0.61	0.28	0.28	0.28	
2	0.14	0.32	2.60	4.84	132.62	173.20	49.06	7.20	0.59	0.35	0.26	0.34	
3	0.15	0.32	3.32	8.00	127.40	201.20	44.56	6.50	0.56	0.35	0.21	0.32	
4	0.15	0.29	2.36	19.96	121.18	230.70	39.52	4.36	0.53	0.34	0.19	0.31	
5	0.16	0.26	2.12	29.62	116.14	275.40	35.74	3.40	0.57	0.32	0.17	0.30	
6	0.17	0.24	4.60	36.28	113.20	298.80	33.58	2.68	0.54	0.32	0.17	0.28	
7	0.16	0.23	8.50	41.32	116.14	304.20	31.42	2.36	0.49	0.32	0.22	0.26	
8	0.15	0.22	10.00	44.02	120.76	298.80	29.44	2.28	0.47	0.29	0.28	0.25	
9	0.14	0.21	11.44	50.14	123.34	288.00	29.98	2.68	0.45	0.29	0.28	0.24	
10	0.13	0.20	12.40	58.20	129.72	271.80	39.88	2.84	0.41	0.29	0.27	0.24	
11	0.13	0.20	13.48	61.40	138.42	252.00	44.74	2.84	0.48	0.30	0.28	0.25	
12	0.14	0.19	15.52	60.70	144.80	231.80	45.82	3.16	0.49	0.29	0.27	0.27	
13	0.14	0.20	16.00	86.80	150.60	218.60	44.74	3.80	0.49	0.29	0.26	0.26	
14	0.15	0.21	17.92	101.44	162.60	205.70	43.48	4.28	0.43	0.29	0.26	0.23	
15	0.15	0.22	18.52	118.66	197.60	194.00	42.40	4.84	0.44	0.29	0.26	0.24	
16	0.16	0.22	18.52	139.58	246.60	182.80	41.86	5.20	0.43	0.28	0.26	0.23	
17	0.16	0.22	18.16	158.40	298.80	170.00	42.04	5.10	0.42	0.28	0.26	0.22	
18	0.17	0.21	17.92	164.82	326.40	159.00	44.38	4.76	0.41	0.28	0.26	0.21	
19	0.16	0.30	17.80	176.40	329.80	150.02	46.72	4.28	0.40	0.27	0.25	0.21	
20	0.16	0.31	16.96	177.20	316.20	140.74	48.70	3.64	0.39	0.28	0.26	0.20	
21	0.16	0.30	15.16	190.80	306.00	129.72	49.78	3.08	0.33	0.28	0.26	0.19	
22	0.17	0.27	12.76	194.90	291.60	119.50	49.42	2.52	0.30	0.27	0.33	0.18	
23	0.21	0.28	10.36	193.20	277.20	110.68	47.80	1.96	0.27	0.23	0.35	0.16	
24	0.22	0.28	8.40	186.00	259.20	100.60	45.10	1.40	0.25	0.26	0.38	0.15	
25	0.23	0.28	7.10	178.00	241.20	93.10	41.14	1.00	0.34	0.29	0.42	0.16	
26	0.25	0.28	6.00	168.52	229.60	85.00	36.64	0.88	0.47	0.29	0.40	0.22	
27	0.27	0.28	5.60	160.20	218.60	78.60	30.70	0.75	0.40	0.26	0.37	0.30	
28	0.27	0.28	4.28	155.40	206.60	70.60	25.00	0.70	0.35	0.25	0.33	0.30	
29	0.26	0.27	4.12	150.02	194.90	62.24	19.60	0.66	0.33	0.24		0.27	
30	0.25	0.31	3.00	146.54	186.80	56.70	14.92	0.64	0.30	0.29		0.26	
31		0.46		141.32	180.40		11.56		0.27	0.30		0.25	
TOTAL	5.30	8.14	305.74	3405.52	6141.68	5322.76	1201.30	98.59	13.21	8.96	7.79	7.58	16526.57 CMSDAY
MEAN	0.18	0.26	10.19	109.86	198.12	177.43	38.75	3.29	0.43	0.29	0.28	0.24	45.28 CMS
MAX	0.27	0.46	18.52	194.90	329.80	304.20	51.58	8.80	0.61	0.35	0.42	0.34	329.80 CMS
MIN	0.13	0.19	0.82	2.84	113.20	56.70	11.56	0.64	0.25	0.23	0.17	0.15	0.13 CMS
RUNOFF	0.458	0.703	26.416	294.237	530.641	459.887	103.792	8.518	1.141	0.774	0.673	0.655	1427.896 MCM

MOMENTARY PEAK 329.80 CMS, AT 9.97 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984

RUNOFF YIELD 21.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 153.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

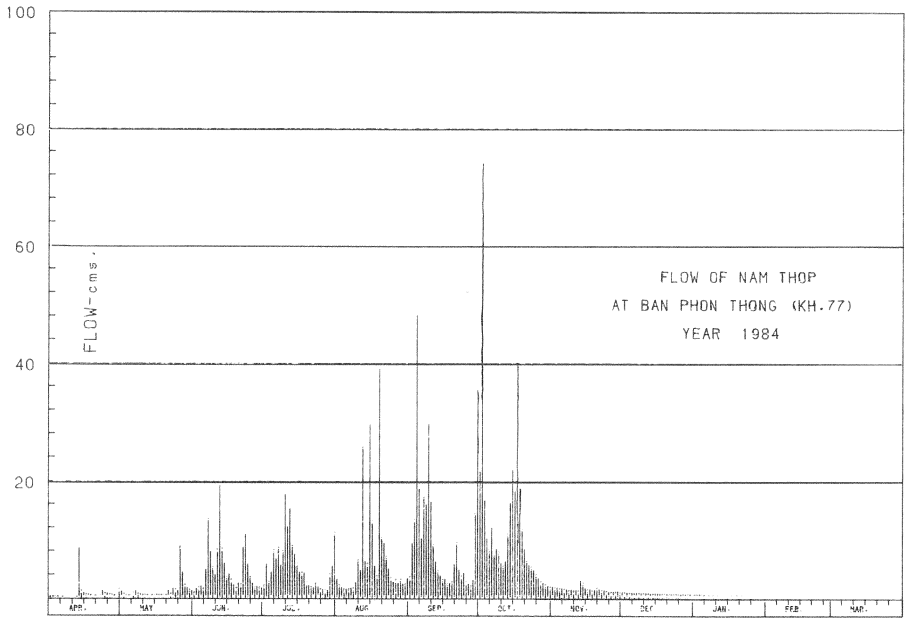
NAM THOP AT BAN PHON THONG, LOEI (KH.77)

LOCATION	LAT. 17-15-51 N., LONG. 101-39-26 E., ON LEFT BANK AT BAN PHON THONG, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	142 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE MEASURING LINE.
ELEVATION	+8.370 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.66	0.64	0.83	0.92	0.95	1.83	0.79	0.63	0.56	0.53	0.50	
2	0.50	0.59	0.74	1.09	0.84	1.32	3.16	0.78	0.63	0.56	0.53	0.50	
3	0.50	0.55	0.80	0.89	0.78	1.50	1.64	0.77	0.62	0.56	0.53	0.49	
4	0.49	0.54	0.81	1.00	0.74	2.58	1.36	0.76	0.61	0.56	0.53	0.48	
5	0.49	0.54	0.76	1.25	0.73	1.72	1.26	0.75	0.61	0.55	0.53	0.48	
6	0.48	0.63	1.03	1.15	0.74	1.36	1.44	0.74	0.60	0.54	0.53	0.47	
7	0.48	0.68	1.50	1.28	0.76	1.65	1.22	0.72	0.61	0.54	0.53	0.49	
8	0.48	0.60	1.23	1.08	0.77	1.60	1.26	0.70	0.61	0.54	0.52	0.49	
9	0.47	0.58	1.06	1.24	0.87	2.07	1.23	0.71	0.60	0.54	0.52	0.48	
10	0.46	0.56	0.97	1.67	1.14	1.62	1.10	0.70	0.60	0.54	0.52	0.48	
11	0.49	0.56	1.26	1.46	1.02	1.31	1.07	0.70	0.60	0.54	0.51	0.47	
12	0.47	0.55	1.73	1.57	1.95	1.12	1.12	0.70	0.59	0.53	0.51	0.46	
13	1.27	0.55	1.27	1.30	1.12	1.02	1.40	0.90	0.58	0.53	0.51	0.47	
14	0.70	0.55	1.10	1.20	1.10	0.96	1.61	0.87	0.59	0.53	0.51	0.49	
15	0.61	0.55	0.95	1.10	2.06	0.92	1.84	0.76	0.59	0.53	0.50	0.49	
16	0.58	0.56	0.98	1.00	1.49	0.92	1.69	0.73	0.59	0.53	0.50	0.48	
17	0.57	0.56	0.92	1.00	1.07	0.86	2.37	0.72	0.58	0.53	0.49	0.48	
18	0.55	0.56	0.83	0.99	0.96	0.86	1.71	0.70	0.58	0.54	0.50	0.48	
19	0.54	0.55	0.78	0.88	2.33	0.89	1.43	0.70	0.58	0.54	0.49	0.47	
20	0.53	0.55	0.86	0.82	1.37	1.09	1.26	0.77	0.57	0.53	0.49	0.47	
21	0.52	0.69	0.85	0.80	1.32	1.33	1.15	0.73	0.57	0.52	0.49	0.47	
22	0.52	0.60	1.28	0.77	1.18	1.03	1.08	0.70	0.57	0.53	0.50	0.48	
23	0.69	0.75	1.42	0.86	1.05	0.96	1.06	0.69	0.57	0.54	0.49	0.47	
24	0.62	0.74	1.09	0.79	0.94	0.99	1.02	0.68	0.58	0.53	0.49	0.48	
25	0.60	0.68	0.95	0.75	0.88	0.89	0.97	0.64	0.57	0.53	0.50	0.48	
26	0.58	1.29	0.86	0.73	0.92	0.85	0.93	0.65	0.56	0.53	0.50	0.48	
27	0.57	1.00	0.80	0.72	0.86	0.82	0.89	0.65	0.57	0.54	0.50	0.48	
28	0.55	0.84	0.81	0.70	0.92	0.91	0.87	0.65	0.56	0.54	0.51	0.47	
29	0.54	0.78	0.79	0.98	0.85	1.54	0.84	0.65	0.57	0.54		0.48	
30	0.75	0.73	0.76	1.07	0.85	2.23	0.81	0.64	0.56	0.53		0.47	
31		0.69		1.41	0.93		0.80		0.56	0.53		0.46	
MEAN	0.57	0.65	0.99	1.04	1.08	1.26	1.34	0.72	0.59	0.54	0.51	0.48	
MAX	1.27	1.29	1.73	1.67	2.33	2.58	3.16	0.90	0.63	0.56	0.53	0.50	3.16
MIN	0.46	0.54	0.64	0.70	0.73	0.82	0.80	0.64	0.56	0.52	0.49	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.34 M (A.D), AT 6.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.51 M (A.D)
LEFT BANK ELEVATION 8.70 M (A.D)
RIGHT BANK ELEVATION 7.91 M (A.D), DRAINAGE AREA 142 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	1.20	1.10	2.30	3.30	3.75	21.90	1.94	1.05	0.70	0.55	0.40	
2	0.40	0.85	1.64	5.85	2.40	9.40	74.30	1.88	1.05	0.70	0.55	0.40	
3	0.40	0.65	2.00	2.90	1.88	13.50	17.00	1.82	1.00	0.70	0.55	0.38	
4	0.38	0.60	2.10	4.50	1.64	48.20	10.20	1.76	0.95	0.70	0.55	0.36	
5	0.38	0.60	1.76	8.25	1.58	19.00	8.40	1.70	0.95	0.65	0.55	0.36	
6	0.36	1.05	4.95	6.75	1.64	10.20	12.00	1.64	0.90	0.60	0.55	0.34	
7	0.36	1.30	13.50	8.70	1.76	17.25	7.80	1.52	0.95	0.60	0.55	0.38	
8	0.36	0.90	7.95	5.70	1.82	16.00	8.40	1.40	0.95	0.60	0.50	0.38	
9	0.34	0.80	5.40	8.10	2.70	29.95	7.95	1.46	0.90	0.60	0.50	0.36	
10	0.32	0.70	4.05	17.75	6.60	16.50	6.00	1.40	0.90	0.60	0.50	0.36	
11	0.38	0.70	8.40	12.50	4.80	9.20	5.55	1.40	0.90	0.60	0.45	0.34	
12	0.34	0.65	19.25	15.25	25.75	6.30	6.30	1.40	0.85	0.55	0.45	0.32	
13	8.55	0.65	8.55	9.00	6.30	4.80	11.00	3.00	0.80	0.55	0.45	0.34	
14	1.40	0.65	6.00	7.50	6.00	3.90	16.25	2.70	0.85	0.55	0.45	0.38	
15	0.95	0.65	3.75	6.00	29.60	3.30	22.20	1.76	0.85	0.55	0.40	0.38	
16	0.80	0.70	4.20	4.50	13.25	3.30	18.25	1.58	0.85	0.55	0.40	0.36	
17	0.75	0.70	3.30	4.50	5.55	2.60	40.45	1.52	0.80	0.55	0.38	0.36	
18	0.65	0.70	2.30	4.35	3.90	2.60	18.75	1.40	0.80	0.60	0.40	0.36	
19	0.60	0.65	1.88	2.80	39.05	2.90	11.75	1.40	0.80	0.60	0.38	0.34	
20	0.55	0.65	2.60	2.20	10.40	5.85	8.40	1.82	0.75	0.55	0.38	0.34	
21	0.50	1.35	2.50	2.00	9.40	9.60	6.75	1.58	0.75	0.50	0.38	0.34	
22	0.50	0.90	8.70	1.82	7.20	4.95	5.70	1.40	0.75	0.55	0.40	0.36	
23	1.35	1.70	11.50	2.60	5.10	3.90	5.40	1.35	0.75	0.60	0.38	0.34	
24	1.00	1.64	5.85	1.94	3.60	4.35	4.80	1.30	0.80	0.55	0.38	0.36	
25	0.90	1.30	3.75	1.70	2.80	2.90	4.05	1.10	0.75	0.55	0.40	0.36	
26	0.80	8.85	2.60	1.58	3.30	2.50	3.45	1.15	0.70	0.55	0.40	0.36	
27	0.75	4.50	2.00	1.52	2.60	2.20	2.90	1.15	0.75	0.60	0.40	0.36	
28	0.65	2.40	2.10	1.40	3.30	3.15	2.70	1.15	0.70	0.60	0.45	0.34	
29	0.60	1.88	1.94	4.20	2.50	14.50	2.40	1.15	0.75	0.60		0.36	
30	1.70	1.58	1.76	5.55	2.50	35.55	2.10	1.10	0.70	0.55		0.34	
31		1.35		11.25	3.45		2.00		0.70	0.55		0.32	
TOTAL	27.42	42.80	147.38	174.96	215.67	312.10	375.10	46.93	25.95	18.30	12.68	11.08	1410.37 CMSDAY
MEAN	0.91	1.38	4.91	5.64	6.96	10.40	12.10	1.56	0.84	0.59	0.45	0.36	3.86 CMS
MAX	8.55	8.85	19.25	17.75	39.05	48.20	74.30	3.00	1.05	0.70	0.55	0.40	74.30 CMS
MIN	0.32	0.60	1.10	1.40	1.58	2.20	2.00	1.10	0.70	0.50	0.38	0.32	0.32 CMS
RUNOFF	2.369	3.698	12.734	15.117	18.634	26.965	32.409	4.055	2.242	1.581	1.096	0.957	121.856 MCM

MOMENTARY PEAK 147.50 CMS, AT 4.34 M (A.D), AT 6.00 HOURS, ON OCT 2, 1984

RUNOFF YIELD 27.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1038.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

KHONG RIVER BASIN

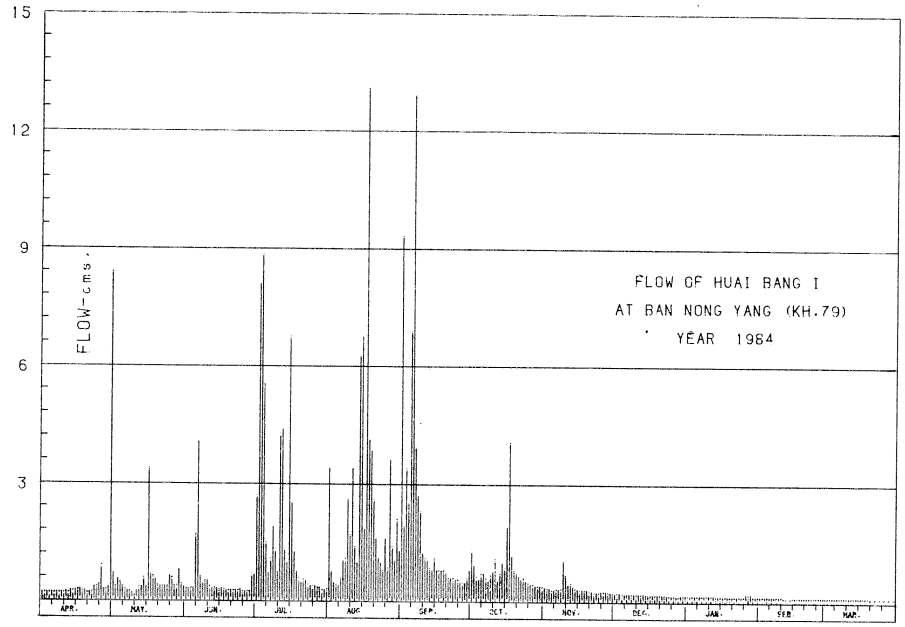
HUAI BANG I AT BAN NON YANG, MUK DAHAN (KH.79)

LOCATION	LAT.16-28-49 N., LONG. 104-20-08 E., ON RIGHT BANK. AT THE BRIDGE ON HIGHWAY, BAN NON YANG, AMPHOE KHAM CHA I, MUK DAHAN.
DRAINAGE AREA	110 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	AT ABUTMENT OF THE BRIDGE.
ELEVATION	+9.673 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.81	0.98	0.86	1.23	1.30	1.72	1.09	0.88	0.80	0.78	0.77	0.76	
2	0.81	0.89	0.86	1.64	1.00	1.15	1.02	0.87	0.81	0.78	0.77	0.76	
3	0.81	0.94	0.87	1.69	0.92	1.30	0.96	0.87	0.81	0.78	0.77	0.76	
4	0.81	0.92	0.87	1.47	0.91	1.21	0.94	0.85	0.80	0.78	0.77	0.76	
5	0.81	0.89	1.13	1.11	0.90	1.56	0.98	0.85	0.80	0.78	0.77	0.76	
6	0.81	0.85	1.36	0.98	0.95	1.94	0.98	0.86	0.80	0.78	0.77	0.76	
7	0.81	0.83	0.97	1.05	1.04	1.35	0.95	0.86	0.80	0.78	0.77	0.76	
8	0.81	0.83	0.91	1.15	1.05	1.23	0.93	0.87	0.80	0.78	0.77	0.76	
9	0.81	0.80	0.93	1.09	1.22	1.19	0.97	1.04	0.80	0.78	0.77	0.76	
10	0.81	0.77	0.93	0.99	1.13	1.07	0.99	0.97	0.80	0.78	0.77	0.76	
11	0.82	0.82	0.89	1.38	1.30	1.05	1.05	0.91	0.80	0.78	0.76	0.76	
12	0.81	0.88	0.86	1.39	1.10	1.04	0.93	0.92	0.80	0.78	0.75	0.76	
13	0.83	0.88	0.87	1.09	1.03	1.01	0.98	0.89	0.80	0.77	0.75	0.76	
14	0.83	0.95	0.86	1.03	1.52	1.00	1.03	0.87	0.79	0.77	0.75	0.76	
15	0.84	0.88	0.85	1.55	1.55	1.05	1.01	0.86	0.79	0.77	0.76	0.76	
16	0.85	1.30	0.86	1.21	1.15	1.00	1.15	0.85	0.79	0.77	0.76	0.76	
17	0.85	0.97	0.85	1.09	1.95	1.00	1.36	0.85	0.79	0.77	0.76	0.76	
18	0.83	0.96	0.83	0.99	1.37	1.00	1.06	0.85	0.79	0.77	0.76	0.76	
19	0.83	0.94	0.84	0.95	1.34	1.00	1.00	0.85	0.79	0.77	0.76	0.76	
20	0.81	0.90	0.84	0.92	1.22	0.98	0.98	0.84	0.79	0.77	0.76	0.75	
21	0.81	0.89	0.84	0.94	1.12	0.95	0.96	0.83	0.79	0.77	0.76	0.75	
22	0.82	0.89	0.84	0.93	1.06	0.95	0.94	0.82	0.79	0.77	0.76	0.75	
23	0.88	0.89	0.84	0.91	1.03	0.95	0.95	0.82	0.78	0.77	0.76	0.75	
24	0.89	0.89	0.85	0.90	1.00	0.94	0.93	0.82	0.78	0.77	0.76	0.75	
25	0.91	0.96	0.83	0.90	1.12	0.94	0.92	0.83	0.78	0.77	0.76	0.75	
26	1.02	0.95	0.82	0.90	1.01	0.92	0.91	0.83	0.78	0.80	0.76	0.75	
27	0.85	0.90	0.83	0.88	1.32	0.92	0.91	0.83	0.77	0.80	0.76	0.75	
28	0.85	0.90	0.83	0.88	1.10	0.92	0.90	0.82	0.77	0.80	0.76	0.75	
29	0.88	1.00	0.98	0.85	1.04	0.95	0.90	0.82	0.78	0.77		0.75	
30	1.66	0.91	0.97	0.85	1.17	1.00	0.90	0.81	0.78	0.77		0.75	
31		0.88		0.86	1.08		0.89		0.78	0.77		0.75	
MEAN	0.87	0.91	0.90	1.09	1.16	1.11	0.98	0.86	0.79	0.78	0.76	0.76	
MAX	1.66	1.30	1.36	1.69	1.95	1.94	1.36	1.04	0.81	0.80	0.77	0.76	1.95
MIN	0.81	0.77	0.82	0.85	0.90	0.92	0.89	0.81	0.77	0.77	0.75	0.75	0.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.84 M (A.D), AT 6.00 HOURS, ON AUG 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.50 M (A.D)
LEFT BANK ELEVATION 9.42 M (A.D)
RIGHT BANK ELEVATION 9.65 M (A.D), DRAINAGE AREA 110 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.72	0.32	2.70	3.40	9.32	1.34	0.36	0.20	0.16	0.14	0.12	
2	0.22	0.38	0.32	8.10	0.80	1.90	0.92	0.34	0.22	0.16	0.14	0.12	
3	0.22	0.56	0.34	8.85	0.48	3.40	0.64	0.34	0.22	0.16	0.14	0.12	
4	0.22	0.48	0.34	5.55	0.44	2.50	0.56	0.30	0.20	0.16	0.14	0.12	
5	0.22	0.38	1.70	1.50	0.40	6.90	0.72	0.30	0.20	0.16	0.14	0.12	
6	0.22	0.30	4.06	0.72	0.60	12.92	0.72	0.32	0.20	0.16	0.14	0.12	
7	0.22	0.26	0.68	1.10	1.04	3.95	0.60	0.32	0.20	0.16	0.14	0.12	
8	0.22	0.26	0.44	1.90	1.10	2.70	0.52	0.34	0.20	0.16	0.14	0.12	
9	0.22	0.20	0.52	1.34	2.60	2.30	0.68	1.04	0.20	0.16	0.14	0.12	
10	0.22	0.14	0.52	0.76	1.70	1.22	0.76	0.68	0.20	0.16	0.14	0.12	
11	0.24	0.24	0.38	4.28	3.40	1.10	1.10	0.44	0.20	0.16	0.12	0.12	
12	0.22	0.36	0.32	4.39	1.40	1.04	0.52	0.48	0.20	0.16	0.10	0.12	
13	0.26	0.36	0.34	1.34	0.98	0.86	0.72	0.38	0.20	0.14	0.10	0.12	
14	0.26	0.60	0.32	0.98	6.30	0.80	0.98	0.34	0.18	0.14	0.10	0.12	
15	0.28	0.36	0.30	6.75	6.75	1.10	0.86	0.32	0.18	0.14	0.12	0.12	
16	0.30	3.40	0.32	2.50	1.90	0.80	1.90	0.30	0.18	0.14	0.12	0.12	
17	0.30	0.68	0.30	1.34	13.10	0.80	4.06	0.30	0.18	0.14	0.12	0.12	
18	0.26	0.64	0.26	0.76	4.17	0.80	1.16	0.30	0.18	0.14	0.12	0.12	
19	0.26	0.56	0.28	0.60	3.84	0.80	0.80	0.30	0.18	0.14	0.12	0.12	
20	0.22	0.40	0.28	0.48	2.60	0.72	0.72	0.28	0.18	0.14	0.12	0.10	
21	0.22	0.38	0.28	0.56	1.60	0.60	0.64	0.26	0.18	0.14	0.12	0.10	
22	0.24	0.38	0.28	0.52	1.16	0.60	0.56	0.24	0.18	0.14	0.12	0.10	
23	0.36	0.38	0.28	0.44	0.98	0.60	0.60	0.24	0.16	0.14	0.12	0.10	
24	0.38	0.38	0.30	0.40	0.80	0.56	0.52	0.24	0.16	0.14	0.12	0.10	
25	0.44	0.64	0.26	0.40	1.60	0.56	0.48	0.26	0.16	0.14	0.12	0.10	
26	0.92	0.60	0.24	0.40	0.86	0.48	0.44	0.26	0.16	0.20	0.12	0.10	
27	0.30	0.40	0.26	0.36	3.62	0.48	0.44	0.26	0.14	0.20	0.12	0.10	
28	0.30	0.40	0.26	0.36	1.40	0.48	0.40	0.24	0.14	0.20	0.12	0.10	
29	0.36	0.80	0.72	0.30	1.04	0.60	0.40	0.24	0.16	0.14		0.10	
30	8.40	0.44	0.68	0.30	2.10	0.80	0.40	0.22	0.16	0.14		0.10	
31		0.36		0.32	1.28		0.38		0.16	0.14		0.10	
TOTAL	16.72	16.44	15.90	60.30	73.44	61.69	25.54	10.24	5.66	4.76	3.50	3.48	297.67 CMSDAY
MEAN	0.56	0.53	0.53	1.95	2.37	2.06	0.82	0.34	0.18	0.15	0.12	0.11	0.82 CMS
MAX	8.40	3.40	4.06	8.85	13.10	12.92	4.06	1.04	0.22	0.20	0.14	0.12	13.10 CMS
MIN	0.22	0.14	0.24	0.30	0.40	0.48	0.38	0.22	0.14	0.14	0.10	0.10	0.10 CMS
RUNOFF	1.445	1.420	1.374	5.210	6.345	5.330	2.207	0.885	0.489	0.411	0.302	0.301	25.719 MCM

MOMENTARY PEAK 35.96 CMS, AT 2.84 M (A.D), AT 6.00 HOURS, ON AUG 17, 1984

RUNOFF YIELD 7.41 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 326.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

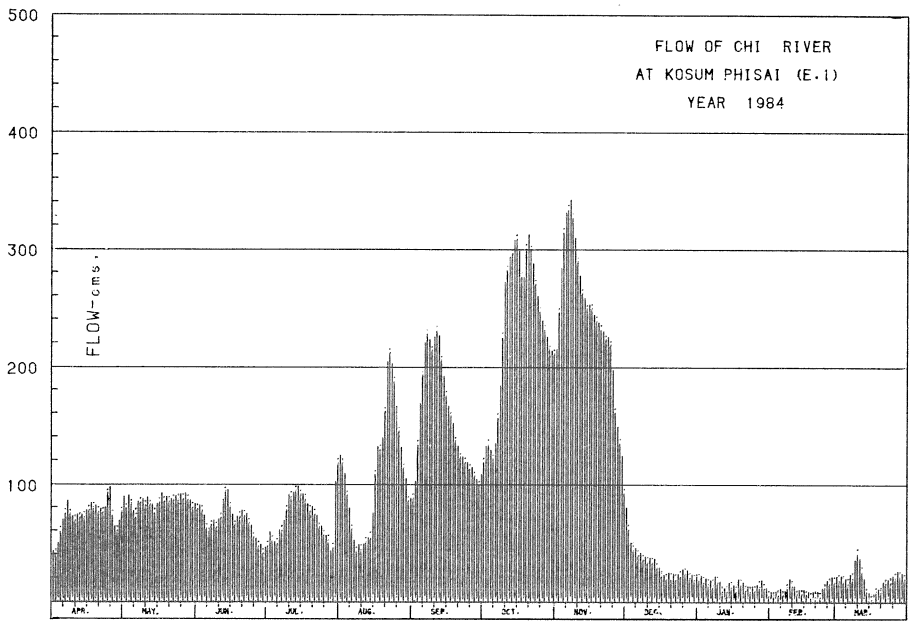
CHI RIVER AT KOSUM PHISAI, MAHA SARAKHAM (E.1)

LOCATION	LAT. 16-15-02 N., LONG. 103-04-25 E., ON RIGHT BANK AT WAT TAI KOSUM ABOUT 800 METERS NORTH-EAST OF AMPHOE KOSUM PHISAI OFFICE, MAHA SARAKHAM.
DRAINAGE AREA	29,788 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+136.64 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+149.786 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1936-1943, 1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	137.70	138.51	138.40	137.87	139.10	138.55	139.06	140.42	138.36	137.30	136.89	137.25	
2	137.73	138.40	138.39	138.01	139.05	138.73	139.23	140.85	138.11	137.27	136.89	137.28	
3	137.84	138.53	138.38	137.95	138.84	139.31	139.32	141.28	137.85	137.24	136.90	137.26	
4	138.08	138.46	138.25	137.86	138.59	139.77	139.17	141.68	137.80	137.21	136.94	137.26	
5	138.18	138.31	138.12	137.91	138.35	140.16	139.10	141.83	137.76	137.19	136.98	137.20	
6	138.33	138.34	138.06	138.04	138.11	140.49	139.27	141.90	137.72	137.17	136.92	137.20	
7	138.45	138.44	138.16	138.10	137.89	140.62	139.65	141.95	137.68	137.18	136.92	137.29	
8	138.32	138.49	138.17	138.17	137.77	140.52	139.99	141.82	137.64	137.25	137.09	137.32	
9	138.23	138.48	138.14	138.38	137.82	140.44	140.59	141.59	137.62	137.24	137.20	137.56	
10	138.24	138.45	138.19	138.54	137.81	140.55	141.13	141.39	137.60	137.14	137.15	137.75	
11	138.26	138.50	138.27	138.58	137.83	140.66	141.30	141.20	137.60	137.03	137.04	137.58	
12	138.27	138.45	138.47	138.57	137.93	140.56	141.40	141.05	137.59	136.99	136.93	137.44	
13	138.26	138.40	138.64	138.66	137.93	140.34	141.48	140.96	137.58	137.04	136.95	137.20	
14	138.29	138.34	138.61	138.66	138.01	140.11	141.57	140.88	137.50	137.11	136.95	136.99	
15	138.32	138.41	138.42	138.60	138.28	139.92	141.62	140.89	137.43	137.13	136.95	136.86	
16	138.38	138.49	138.26	138.55	138.88	139.74	141.48	140.89	137.36	137.06	136.92	136.79	
17	138.42	138.56	138.16	138.54	139.22	139.66	141.23	140.78	137.28	137.03	136.89	136.83	
18	138.42	138.50	138.23	138.41	139.24	139.53	141.18	140.76	137.30	137.19	136.87	137.01	
19	138.39	138.51	138.29	138.38	139.35	139.35	141.53	140.70	137.33	137.18	136.89	136.97	
20	138.36	138.50	138.32	138.37	139.72	139.23	141.62	140.67	137.31	137.12	136.91	137.01	
21	138.34	138.48	138.31	138.33	140.28	139.12	141.51	140.61	137.31	137.05	136.90	137.13	
22	138.35	138.53	138.27	138.25	140.42	139.08	141.33	140.56	137.29	137.04	136.87	137.19	
23	138.36	138.52	138.19	138.13	140.26	139.06	141.15	140.55	137.30	137.03	136.99	137.18	
24	138.61	138.54	138.10	138.09	140.09	139.00	140.98	140.50	137.36	137.04	137.09	137.22	
25	138.65	138.55	137.99	138.03	139.74	138.97	140.86	140.18	137.40	137.04	137.16	137.26	
26	138.31	138.54	137.92	137.96	139.48	138.93	140.72	139.71	137.41	137.07	137.21	137.32	
27	138.09	138.56	137.87	137.96	139.21	138.86	140.67	139.49	137.38	137.15	137.24	137.36	
28	138.09	138.53	137.82	137.71	138.97	138.76	140.55	139.33	137.32	137.17	137.23	137.35	
29	138.17	138.46	137.74	137.84	138.77	138.73	140.45	139.09	137.29	137.09		137.32	
30	138.35	138.42	137.77	138.73	138.51	138.83	140.40	138.62	137.28	137.00		137.29	
31		138.41		139.05	138.49		140.41		137.30	136.92		137.28	
MEAN	138.26	138.47	138.20	138.27	138.84	139.59	140.64	140.74	137.52	137.12	137.00	137.22	
MAX	138.65	138.56	138.64	139.05	140.42	140.66	141.62	141.95	138.36	137.30	137.24	137.75	141.95
MIN	137.70	138.31	137.74	137.71	137.77	138.55	139.06	138.62	137.28	136.92	136.87	136.79	136.79

ANNUAL MAX MOMENTARY GAGE HEIGHT 141.98 M (MSL), AT 12.00 HOURS, ON NOV 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 136.64 M (MSL), RIVER BED 136.40 M (MSL)
LEFT BANK ELEVATION 147.40 M (MSL)
RIGHT BANK ELEVATION 150.25 M (MSL), DRAINAGE AREA 29788 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	43.0	89.6	83.0	51.5	125.0	92.0	122.6	215.6	80.6	24.0	8.7	22.0	
2	44.5	83.0	82.4	59.6	122.0	102.8	132.8	250.0	65.6	22.8	8.7	23.2	
3	50.0	90.8	81.8	56.0	109.4	137.6	138.2	284.4	50.5	21.6	9.0	22.4	
4	63.8	86.6	74.0	51.0	94.4	168.9	129.2	318.2	48.0	20.4	10.2	22.4	
5	69.8	77.6	66.2	53.6	80.0	196.2	125.0	331.7	46.0	19.6	11.4	20.0	
6	78.8	79.4	62.6	61.4	65.6	221.2	135.2	338.0	44.0	18.8	9.6	20.0	
7	86.0	85.4	68.6	65.0	52.5	231.6	160.5	342.5	42.0	19.2	9.6	23.6	
8	78.2	88.4	69.2	69.2	46.5	223.6	184.3	330.8	40.0	22.0	15.6	24.8	
9	72.8	87.8	67.4	81.8	49.0	217.2	229.2	310.1	39.0	21.6	20.0	36.0	
10	73.4	86.0	70.4	91.4	48.5	226.0	272.4	293.2	38.0	17.6	18.0	45.5	
11	74.6	89.0	75.2	93.8	49.5	234.8	286.0	278.0	38.0	13.2	13.6	37.0	
12	75.2	86.0	87.2	93.2	54.8	226.8	294.0	266.0	37.5	11.7	9.9	30.0	
13	74.6	83.0	97.4	98.6	54.8	209.2	300.4	258.8	37.0	13.6	10.5	20.0	
14	76.4	79.4	95.6	98.6	59.6	192.7	308.3	252.4	33.0	16.4	10.5	11.7	
15	78.2	83.6	84.2	95.0	75.8	179.4	312.8	253.2	29.5	17.2	10.5	7.8	
16	81.8	88.4	74.6	92.0	111.8	166.8	300.4	253.2	26.4	14.4	9.6	5.7	
17	84.2	92.6	68.6	91.4	132.2	161.2	280.4	244.4	23.2	13.2	8.7	6.9	
18	84.2	89.0	72.8	83.6	133.4	152.1	276.4	242.8	24.0	19.6	8.0	12.4	
19	82.4	89.6	76.4	81.8	140.0	140.0	304.7	238.0	25.2	19.2	8.7	11.1	
20	80.6	89.0	78.2	81.2	165.4	132.8	312.8	235.6	24.4	16.8	9.3	12.4	
21	79.4	87.8	77.6	78.8	204.6	126.2	302.9	230.8	24.4	14.0	9.0	17.2	
22	80.0	90.8	75.2	74.0	215.6	123.8	288.4	226.8	23.6	13.6	8.1	19.6	
23	80.6	90.2	70.4	66.8	203.2	122.6	274.0	226.0	24.0	13.2	11.7	19.2	
24	95.6	91.4	65.0	64.4	191.3	119.0	260.4	222.0	26.4	13.6	15.6	20.8	
25	98.0	92.0	58.4	60.8	166.8	117.2	250.8	197.6	28.0	13.6	18.4	22.4	
26	77.6	91.4	54.2	56.6	148.6	114.8	239.6	164.7	28.5	14.8	20.4	24.8	
27	64.4	92.6	51.5	56.6	131.6	110.6	235.6	149.3	27.2	18.0	21.6	26.4	
28	64.4	90.8	49.0	43.5	117.2	104.6	226.0	138.8	24.8	18.8	21.2	26.0	
29	69.2	86.6	45.0	50.0	105.2	102.8	218.0	124.4	23.6	15.6		24.8	
30	80.0	84.2	46.5	102.8	89.6	108.8	214.0	96.2	23.2	12.0		23.6	
31		83.6		122.0	88.4		214.8		24.0	9.6		23.2	
TOTAL	2241.7	2705.6	2128.6	2326.0	3432.3	4763.3	7330.1	7313.5	1069.6	519.7	346.1	662.9	34839.4 CMSDAY
MEAN	74.7	87.3	71.0	75.0	110.7	158.8	236.5	243.8	34.5	16.8	12.4	21.4	95.5 CMS
MAX	98.0	92.6	97.4	122.0	215.6	234.8	312.8	342.5	80.6	24.0	21.6	45.5	342.5 CMS
MIN	43.0	77.6	45.0	43.5	46.5	92.0	122.6	96.2	23.2	9.6	8.0	5.7	5.7 CMS
RUNOFF	193.68	233.76	183.91	200.97	296.55	411.55	633.32	631.89	92.41	44.90	29.90	57.27	3010.12 MCM

MOMENTARY PEAK 345.20 CMS, AT 141.98 M (MSL), AT 12.00 HOURS, ON NOV 7, 1984

RUNOFF YIELD 3.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

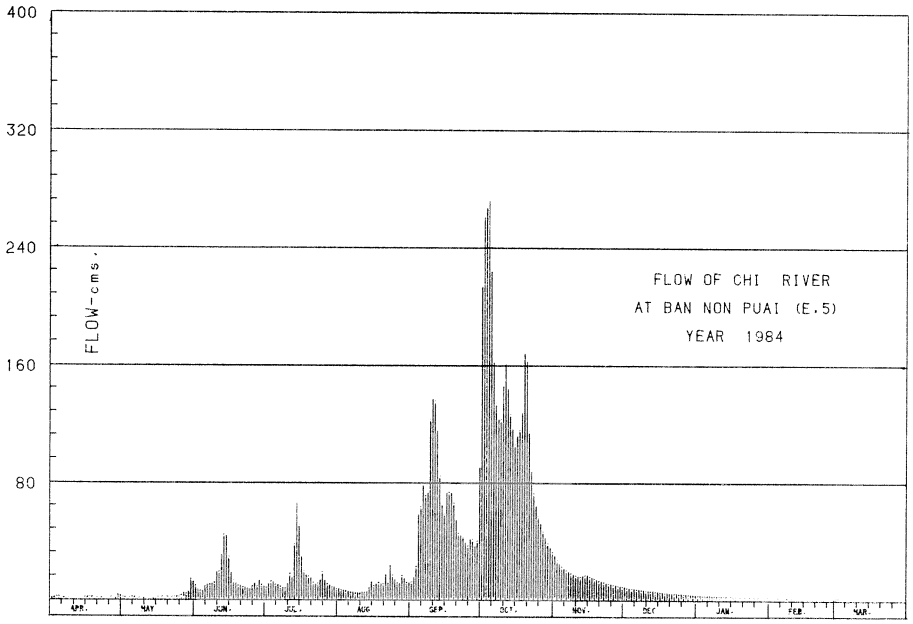
CHI RIVER NEAR BAN NON PUAI, CHAIYAPHUM (E.5)

LOCATION	LAT. 15-46-07 N., LONG. 101-49-03 E., ON LEFT BANK NEAR BAN NON PUAI ABOUT 30 METERS DOWNSTREAM FROM BAN TA NGO, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	4,254 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+186.07 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+197.543 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1971, 1973, 1979, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1971, 1973, 1979, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	186.74	186.81	187.33	187.23	187.16	187.49	194.33	188.53	187.26	186.89	186.79	186.82	
2	186.76	186.78	187.13	187.37	187.13	187.68	195.32	188.39	187.23	186.89	186.78	186.75	
3	186.82	186.76	187.09	187.52	187.10	188.17	195.48	188.26	187.21	186.88	186.77	186.74	
4	186.82	186.76	187.06	187.46	187.08	189.80	195.54	188.16	187.19	186.87	186.77	186.73	
5	186.78	186.82	187.29	187.37	187.04	190.02	194.56	188.09	187.18	186.87	186.77	186.74	
6	186.74	186.79	187.35	187.34	187.02	190.59	193.08	188.02	187.16	186.87	186.76	186.72	
7	186.73	186.76	187.38	187.28	187.00	190.32	192.35	187.96	187.15	186.86	186.76	186.72	
8	186.71	186.74	187.39	187.21	186.98	190.39	192.02	187.90	187.13	186.86	186.76	186.71	
9	186.70	186.73	187.46	187.20	186.98	192.03	192.03	187.83	187.12	186.85	186.76	186.70	
10	186.71	186.70	187.92	187.38	186.98	192.42	192.67	187.79	187.11	186.85	186.75	186.70	
11	186.72	186.69	187.96	187.87	187.00	192.39	193.06	187.75	187.09	186.85	186.75	186.70	
12	186.72	186.69	188.56	187.66	187.01	191.80	192.62	187.73	187.08	186.84	186.74	186.70	
13	186.71	186.71	189.27	188.93	187.02	190.82	192.13	187.77	187.07	186.84	186.74	186.69	
14	186.71	186.84	189.20	190.12	187.22	190.05	191.83	187.79	187.05	186.83	186.74	186.69	
15	186.79	186.80	188.50	189.54	187.47	189.82	191.53	187.80	187.04	186.83	186.74	186.69	
16	186.78	186.79	187.90	188.48	187.32	190.40	191.70	187.73	187.03	186.82	186.73	186.68	
17	186.82	186.80	187.56	188.00	187.38	190.42	191.82	187.69	187.01	186.82	186.73	186.66	
18	186.80	186.82	187.41	187.78	187.47	190.39	192.15	187.65	187.00	186.82	186.72	186.67	
19	186.77	186.81	187.33	187.75	187.39	190.12	193.27	187.59	186.99	186.81	186.71	186.66	
20	186.74	186.80	187.30	187.66	187.41	189.65	193.10	187.55	186.98	186.81	186.71	186.67	
21	186.73	186.78	187.25	187.46	187.81	189.30	191.80	187.52	186.97	186.81	186.70	186.66	
22	186.73	186.79	187.21	187.36	187.42	189.21	190.92	187.49	186.97	186.80	186.72	186.66	
23	186.72	186.82	187.17	187.44	188.20	189.24	190.39	187.43	186.96	186.80	186.72	186.66	
24	186.71	186.82	187.16	187.57	187.79	188.97	190.04	187.41	186.95	186.80	186.72	186.66	
25	186.73	186.84	187.30	187.96	187.58	188.88	189.77	187.38	186.95	186.80	186.72	186.66	
26	186.79	186.89	187.39	187.55	187.45	189.08	189.55	187.36	186.94	186.79	186.72	186.70	
27	186.76	186.97	187.30	187.40	187.40	189.10	189.34	187.35	186.93	186.79	186.73	186.71	
28	186.87	186.96	187.53	187.32	187.79	188.85	189.14	187.31	186.92	186.78	186.85	186.68	
29	186.90	187.01	187.36	187.25	187.64	189.04	188.96	187.30	186.91	186.78		186.68	
30	186.86	187.63	187.26	187.24	187.47	191.00	188.80	187.28	186.90	186.79		186.66	
31		187.49		187.20	187.43		188.66		186.89	186.80		186.66	
MEAN	186.76	186.85	187.58	187.71	187.33	189.91	191.87	187.73	187.04	186.83	186.75	186.69	
MAX	186.90	187.63	189.27	190.12	188.20	192.42	195.54	188.53	187.26	186.89	186.85	186.82	195.54
MIN	186.70	186.69	187.06	187.20	186.98	187.49	188.66	187.28	186.89	186.78	186.70	186.66	186.66

ANNUAL MAX MOMENTARY GAGE HEIGHT 195.71 M (MSL), AT 12.00 HOURS, ON OCT 4, 1984
ZERO GAGE AT BOTTOM ELEVATION 186.07 M (MSL), RIVER BED 185.30 M (MSL)
LEFT BANK ELEVATION 197.64 M (MSL)
RIGHT BANK ELEVATION 198.22 M (MSL), DRAINAGE AREA 4254 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	2.15	9.95	8.45	7.40	12.35	214.85	30.10	8.90	3.35	1.90	2.30	
2	1.60	1.80	6.95	10.55	6.95	15.20	260.50	27.30	8.45	3.35	1.80	1.50	
3	2.30	1.60	6.35	12.80	6.50	22.90	268.50	24.70	8.15	3.20	1.70	1.40	
4	2.30	1.60	5.90	11.90	6.20	58.00	271.50	22.70	7.85	3.05	1.70	1.30	
5	1.80	2.30	9.35	10.55	5.60	63.50	225.20	21.35	7.70	3.05	1.70	1.40	
6	1.40	1.90	10.25	10.10	5.30	77.75	161.70	20.30	7.40	3.05	1.60	1.20	
7	1.30	1.60	10.70	9.20	5.00	71.00	134.25	19.40	7.25	2.90	1.60	1.20	
8	1.10	1.40	10.85	8.15	4.70	72.75	122.70	18.50	6.95	2.90	1.60	1.10	
9	1.00	1.30	11.90	8.00	4.70	123.05	123.05	17.45	6.80	2.75	1.60	1.00	
10	1.10	1.00	18.80	10.70	4.70	136.70	145.45	16.85	6.65	2.75	1.50	1.00	
11	1.20	0.90	19.40	18.05	5.00	135.65	160.90	16.25	6.35	2.75	1.50	1.00	
12	1.20	0.90	30.70	14.90	5.15	115.00	143.70	15.95	6.20	2.60	1.40	1.00	
13	1.10	1.10	44.90	38.10	5.30	84.60	126.55	16.55	6.05	2.60	1.40	0.90	
14	1.10	2.60	43.50	66.00	8.30	64.25	116.05	16.85	5.75	2.45	1.40	0.90	
15	1.90	2.00	29.50	51.50	12.05	58.50	105.90	17.00	5.60	2.45	1.40	0.90	
16	1.80	1.90	18.50	29.10	9.80	73.00	111.50	15.95	5.45	2.30	1.30	0.80	
17	2.30	2.00	13.40	20.00	10.70	73.50	115.70	15.35	5.15	2.30	1.30	0.60	
18	2.00	2.30	11.15	16.70	12.05	72.75	127.25	14.75	5.00	2.30	1.20	0.70	
19	1.70	2.15	9.95	16.25	10.85	66.00	169.30	13.85	4.85	2.15	1.10	0.60	
20	1.40	2.00	9.50	14.90	11.15	54.25	162.50	13.25	4.70	2.15	1.10	0.70	
21	1.30	1.80	8.75	11.90	17.15	45.50	115.00	12.80	4.55	2.15	1.00	0.60	
22	1.30	1.90	8.15	10.40	11.30	43.70	87.60	12.35	4.55	2.00	1.20	0.60	
23	1.20	2.30	7.55	11.60	23.50	44.30	72.75	11.45	4.40	2.00	1.20	0.60	
24	1.10	2.30	7.40	13.55	16.85	38.90	64.00	11.15	4.25	2.00	1.20	0.60	
25	1.30	2.60	9.50	19.40	13.70	37.10	57.25	10.70	4.25	2.00	1.20	0.60	
26	1.90	3.35	10.85	13.25	11.75	41.10	51.75	10.40	4.10	1.90	1.20	1.00	
27	1.60	4.55	9.50	11.00	11.00	41.50	46.50	10.25	3.95	1.90	1.30	1.10	
28	3.05	4.40	12.95	9.80	16.85	36.50	42.30	9.65	3.80	1.80	2.75	0.80	
29	3.50	5.15	10.40	8.75	14.60	40.30	38.70	9.50	3.65	1.80		0.80	
30	2.90	14.45	8.90	8.60	12.05	90.00	35.50	9.20	3.50	1.90		0.60	
31		12.35		8.00	11.45		32.70		3.35	2.00		0.60	
TOTAL	50.15	89.65	425.45	512.15	307.60	1909.60	3911.10	481.85	175.55	75.85	40.85	29.40	8009.20 CMSDAY
MEAN	1.67	2.89	14.18	16.52	9.92	63.65	126.16	16.06	5.66	2.45	1.46	0.95	21.94 CMS
MAX	3.50	14.45	44.90	66.00	23.50	136.70	271.50	30.10	8.90	3.35	2.75	2.30	271.50 CMS
MIN	1.00	0.90	5.90	8.00	4.70	12.35	32.70	9.20	3.35	1.80	1.00	0.60	0.60 CMS
RUNOFF	4.333	7.746	36.759	44.250	26.577	164.989	337.919	41.632	15.168	6.553	3.529	2.540	691.995 MCM

MOMENTARY PEAK 280.00 CMS, AT 195.71 M (MSL), AT 12.00 HOURS, ON OCT 4, 1984

RUNOFF YIELD 5.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 65.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

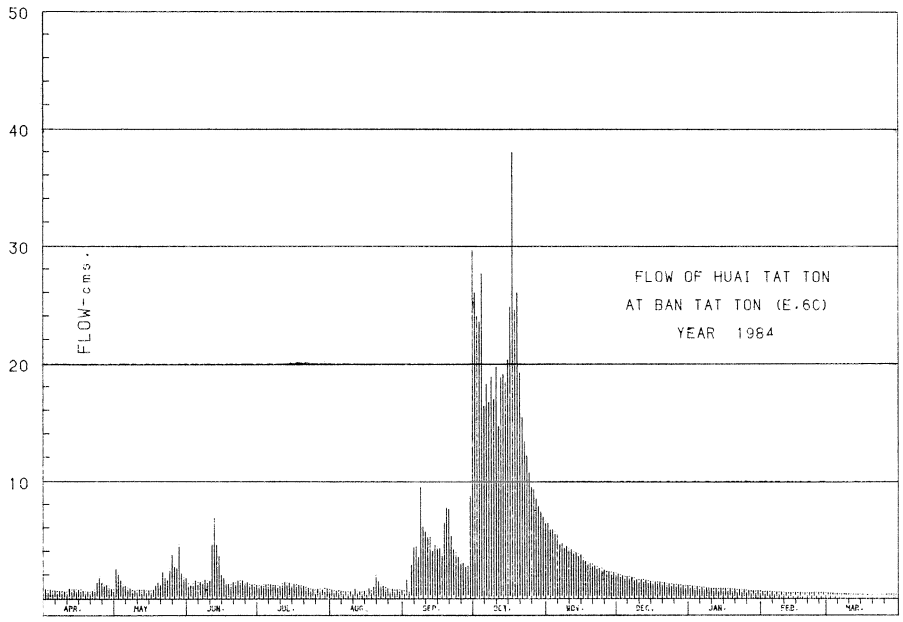
HUAI TAT TON AT BAN TAT TON, CHAIYAPHUM (E.6C).

LOCATION	LAT. 15-57-36 N., LONG. 102-01-57 E., ON RIGHT BANK ABOUT 5 KILOMETERS UPSTREAM FROM E.6A STATION AT BAN TAT TON, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	300 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.303 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.73	0.54	0.51	0.43	0.42	2.91	1.18	0.67	0.50	0.40	0.35	
2	0.43	0.69	0.50	0.50	0.42	0.60	2.74	1.14	0.66	0.49	0.40	0.35	
3	0.43	0.59	0.54	0.53	0.41	0.44	2.72	1.12	0.65	0.49	0.40	0.35	
4	0.42	0.53	0.59	0.52	0.42	0.78	3.02	1.10	0.64	0.48	0.40	0.34	
5	0.42	0.50	0.56	0.52	0.41	0.97	2.14	1.07	0.64	0.48	0.39	0.34	
6	0.41	0.47	0.56	0.52	0.40	0.96	2.28	1.00	0.64	0.47	0.39	0.33	
7	0.41	0.45	0.58	0.51	0.40	0.88	2.17	0.99	0.63	0.47	0.38	0.33	
8	0.41	0.43	0.60	0.51	0.40	1.51	2.33	0.97	0.62	0.46	0.38	0.33	
9	0.40	0.42	0.59	0.50	0.40	1.17	2.19	0.96	0.60	0.46	0.38	0.33	
10	0.40	0.43	0.58	0.49	0.40	1.10	2.40	0.94	0.60	0.45	0.38	0.33	
11	0.45	0.43	1.00	0.54	0.44	1.07	2.00	0.93	0.60	0.45	0.36	0.32	
12	0.44	0.43	1.23	0.56	0.41	1.05	2.33	0.91	0.60	0.45	0.36	0.32	
13	0.44	0.43	1.00	0.55	0.40	0.94	2.37	0.90	0.59	0.45	0.37	0.32	
14	0.44	0.42	0.87	0.55	0.40	0.97	2.29	0.89	0.58	0.45	0.37	0.32	
15	0.43	0.42	0.69	0.53	0.41	0.96	2.47	0.88	0.57	0.45	0.37	0.32	
16	0.44	0.42	0.62	0.53	0.41	0.94	2.80	0.85	0.57	0.45	0.37	0.32	
17	0.41	0.43	0.57	0.52	0.45	0.89	3.76	0.82	0.56	0.45	0.37	0.31	
18	0.40	0.54	0.53	0.51	0.42	1.18	2.78	0.81	0.56	0.45	0.36	0.31	
19	0.40	0.55	0.52	0.50	0.47	1.35	2.91	0.80	0.56	0.44	0.36	0.30	
20	0.40	0.55	0.56	0.49	0.66	1.31	2.36	0.79	0.55	0.44	0.36	0.30	
21	0.41	0.69	0.55	0.48	0.57	1.08	2.06	0.77	0.55	0.43	0.36	0.30	
22	0.44	0.65	0.59	0.46	0.52	0.93	1.87	0.76	0.54	0.43	0.36	0.30	
23	0.55	0.59	0.59	0.45	0.49	0.90	1.78	0.74	0.53	0.43	0.37	0.30	
24	0.65	0.74	0.59	0.44	0.47	0.86	1.63	0.74	0.53	0.43	0.37	0.31	
25	0.55	0.88	0.58	0.43	0.45	0.82	1.53	0.72	0.52	0.42	0.37	0.31	
26	0.53	0.79	0.56	0.44	0.44	0.80	1.49	0.70	0.52	0.41	0.37	0.32	
27	0.51	0.74	0.53	0.45	0.44	0.78	1.43	0.70	0.51	0.41	0.37	0.32	
28	0.50	0.98	0.52	0.43	0.43	0.77	1.34	0.69	0.51	0.41	0.36	0.32	
29	0.44	0.68	0.52	0.46	0.43	1.45	1.31	0.69	0.50	0.41		0.32	
30	0.44	0.63	0.51	0.45	0.43	3.17	1.24	0.68	0.50	0.41		0.31	
31		0.62		0.44	0.42		1.20		0.50	0.41		0.30	
MEAN	0.45	0.58	0.63	0.49	0.44	1.04	2.19	0.87	0.57	0.45	0.37	0.32	
MAX	0.65	0.98	1.23	0.56	0.66	3.17	3.76	1.18	0.67	0.50	0.40	0.35	3.76
MIN	0.40	0.42	0.50	0.43	0.40	0.42	1.20	0.68	0.50	0.41	0.36	0.30	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.91 M (A.D), AT 19.00 HOURS, ON OCT 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 7.66 M (A.D)
RIGHT BANK ELEVATION 7.00 M (A.D), DRAINAGE AREA 300 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	2.51	1.30	1.15	0.75	0.70	26.23	6.42	2.09	1.10	0.60	0.45	
2	0.75	2.23	1.10	1.10	0.70	1.60	24.02	6.06	2.02	1.05	0.60	0.45	
3	0.75	1.55	1.30	1.25	0.65	0.80	23.76	5.88	1.95	1.05	0.60	0.45	
4	0.70	1.25	1.55	1.20	0.70	2.86	27.66	5.70	1.88	1.00	0.60	0.42	
5	0.70	1.10	1.40	1.20	0.65	4.53	16.58	5.43	1.88	1.00	0.57	0.42	
6	0.65	0.95	1.40	1.20	0.60	4.44	18.26	4.80	1.88	0.95	0.57	0.39	
7	0.65	0.85	1.50	1.15	0.60	3.72	16.94	4.71	1.81	0.95	0.54	0.39	
8	0.65	0.75	1.60	1.15	0.60	9.50	18.86	4.53	1.74	0.90	0.54	0.39	
9	0.60	0.70	1.55	1.10	0.60	6.33	17.18	4.44	1.60	0.90	0.54	0.39	
10	0.60	0.75	1.50	1.05	0.60	5.70	19.70	4.26	1.60	0.85	0.54	0.39	
11	0.85	0.75	4.80	1.30	0.80	5.43	14.90	4.17	1.60	0.85	0.48	0.36	
12	0.80	0.75	6.87	1.40	0.65	5.25	18.86	3.99	1.60	0.85	0.48	0.36	
13	0.80	0.75	4.80	1.35	0.60	4.26	19.34	3.90	1.55	0.85	0.51	0.36	
14	0.80	0.70	3.63	1.35	0.60	4.53	18.38	3.81	1.50	0.85	0.51	0.36	
15	0.75	0.70	2.23	1.25	0.65	4.44	20.54	3.72	1.45	0.85	0.51	0.36	
16	0.80	0.70	1.74	1.25	0.65	4.26	24.80	3.45	1.45	0.85	0.51	0.36	
17	0.65	0.75	1.45	1.20	0.85	3.81	38.20	3.18	1.40	0.85	0.51	0.33	
18	0.60	1.30	1.25	1.15	0.70	6.42	24.54	3.09	1.40	0.85	0.48	0.33	
19	0.60	1.35	1.20	1.10	0.95	7.95	26.23	3.00	1.40	0.80	0.48	0.30	
20	0.60	1.35	1.40	1.05	2.02	7.59	19.22	2.93	1.35	0.80	0.48	0.30	
21	0.65	2.23	1.35	1.00	1.45	5.52	15.62	2.79	1.35	0.75	0.48	0.30	
22	0.80	1.95	1.55	0.90	1.20	4.17	13.37	2.72	1.30	0.75	0.48	0.30	
23	1.35	1.55	1.55	0.85	1.05	3.90	12.38	2.58	1.25	0.75	0.51	0.30	
24	1.95	2.58	1.55	0.80	0.95	3.54	10.73	2.58	1.25	0.75	0.51	0.33	
25	1.35	3.72	1.50	0.75	0.85	3.18	9.70	2.44	1.20	0.70	0.51	0.33	
26	1.25	2.93	1.40	0.80	0.80	3.00	9.30	2.30	1.20	0.65	0.51	0.36	
27	1.15	2.58	1.25	0.85	0.80	2.86	8.70	2.30	1.15	0.65	0.51	0.36	
28	1.10	4.62	1.20	0.75	0.75	2.79	7.86	2.23	1.15	0.65	0.48	0.36	
29	0.80	2.16	1.20	0.90	0.75	8.90	7.59	2.23	1.10	0.65		0.36	
30	0.80	1.81	1.15	0.85	0.75	29.61	6.96	2.16	1.10	0.65		0.33	
31		1.74		0.80	0.70		6.60		1.10	0.65		0.30	
TOTAL	25.30	49.61	57.27	33.20	24.97	161.59	543.01	111.80	46.30	25.75	14.64	11.19	1104.63 CMSDAY
MEAN	0.84	1.60	1.91	1.07	0.81	5.39	17.52	3.73	1.49	0.83	0.52	0.36	3.03 CMS
MAX	1.95	4.62	6.87	1.40	2.02	29.61	38.20	6.42	2.09	1.10	0.60	0.45	38.20 CMS
MIN	0.60	0.70	1.10	0.75	0.60	0.70	6.60	2.16	1.10	0.65	0.48	0.30	0.30 CMS
RUNOFF	2.186	4.286	4.948	2.868	2.157	13.961	46.916	9.660	4.000	2.225	1.265	0.967	95.440 MCM

MOMENTARY PEAK 40.46 CMS, AT 3.91 M (A.D), AT 19.00 HOURS, ON OCT 17, 1984

RUNOFF YIELD 10.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 134.87 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

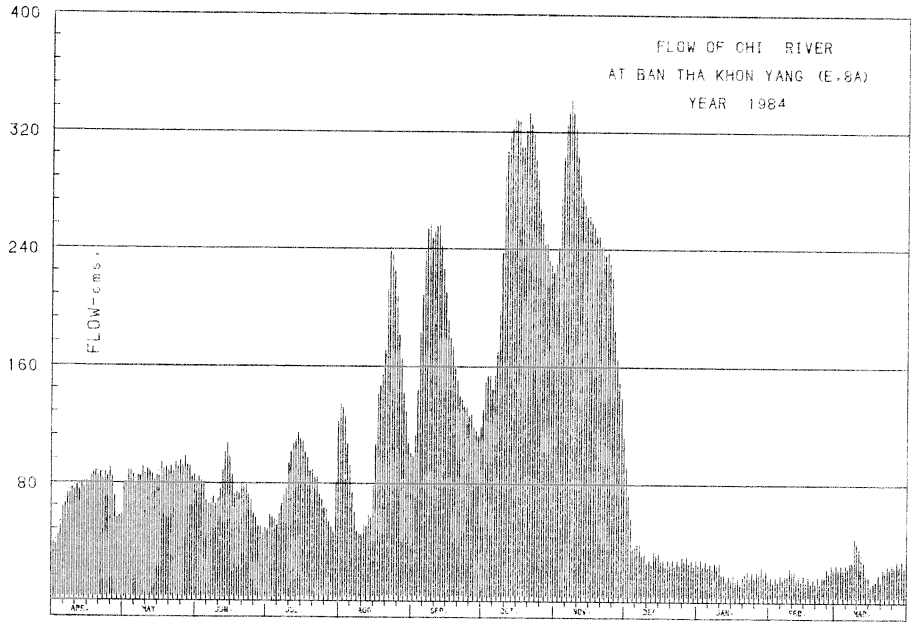
CHI RIVER AT BAN THA KHON YANG, MAHA SARAKHAM (E.8A)

LOCATION	LAT. 16-13-51 N., LONG. 103-16-29 E., ON RIGHT BANK AT THE BRIDGE OF MAHA SARAKHAM-KALASIN HIGHWAY, TAMBON THA KHON YANG, AMPHOE KANTHARAWICHAI, MAHA SARAKHAM.
DRAINAGE AREA	30,764 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+133.21 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+144.420 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1957, 1965-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1957, 1965-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NAM PHONG DAM ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.56	135.32	135.40	134.81	136.22	135.68	136.20	137.68	135.51	134.32	134.02	134.24	
2	134.61	135.38	135.39	134.95	136.23	135.86	136.47	137.88	135.23	134.32	134.02	134.24	
3	134.66	135.46	135.40	134.98	136.08	136.42	136.59	138.32	134.91	134.29	134.02	134.23	
4	134.85	135.52	135.33	134.89	135.82	137.01	136.54	138.75	134.56	134.28	134.04	134.22	
5	135.04	135.41	135.17	134.86	135.52	137.41	136.45	139.04	134.52	134.27	134.06	134.23	
6	135.14	135.36	135.08	134.96	135.27	137.81	136.54	139.19	134.63	134.24	134.07	134.26	
7	135.20	135.40	135.13	135.12	134.99	138.06	136.85	139.26	134.56	134.24	134.04	134.27	
8	135.24	135.46	135.16	135.18	134.79	138.06	137.23	139.19	134.47	134.26	134.13	134.36	
9	135.26	135.50	135.15	135.31	134.69	137.98	137.82	139.00	134.40	134.30	134.17	134.65	
10	135.29	135.48	135.14	135.54	134.74	138.00	138.54	138.77	134.35	134.26	134.20	134.66	
11	135.30	135.48	135.30	135.73	134.82	138.09	138.81	138.55	134.31	134.14	134.14	134.51	
12	135.30	135.51	135.46	135.76	134.87	138.06	138.92	138.37	134.31	134.06	134.06	134.40	
13	135.32	135.42	135.72	135.84	134.95	137.89	139.04	138.26	134.45	134.04	134.04	134.30	
14	135.33	135.42	135.77	135.90	134.98	137.63	139.11	138.19	134.47	134.04	134.04	134.15	
15	135.34	135.40	135.66	135.88	135.29	137.44	139.13	138.15	134.42	134.06	134.06	134.03	
16	135.35	135.45	135.41	135.79	135.80	137.13	139.07	138.14	134.38	134.05	134.05	133.97	
17	135.40	135.55	135.24	135.72	136.33	137.00	138.87	138.04	134.30	134.03	134.03	133.92	
18	135.49	135.54	135.22	135.61	136.48	136.87	138.82	138.00	134.29	134.00	134.00	134.04	
19	135.46	135.51	135.26	135.51	136.55	136.68	139.02	137.95	134.31	133.99	133.99	134.07	
20	135.45	135.51	135.31	135.47	136.86	136.49	139.15	137.90	134.32	134.02	134.02	134.04	
21	135.44	135.51	135.32	135.44	137.44	136.36	139.10	137.86	134.31	134.15	134.03	134.16	
22	135.43	135.51	135.30	135.39	137.84	136.27	138.94	137.82	134.31	134.12	134.01	134.20	
23	135.44	135.55	135.24	135.24	137.77	136.24	138.73	137.79	134.30	134.11	134.03	134.22	
24	135.45	135.55	135.13	135.13	137.66	136.18	138.50	137.74	134.31	134.11	134.12	134.24	
25	135.49	135.57	135.02	135.09	137.36	136.13	138.26	137.55	134.35	134.10	134.17	134.25	
26	135.44	135.57	134.91	135.02	137.03	136.10	138.08	137.07	134.37	134.11	134.20	134.27	
27	135.17	135.62	134.84	134.92	136.73	136.01	137.91	136.74	134.38	134.15	134.23	134.31	
28	134.95	135.59	134.79	134.79	136.39	135.91	137.88	136.51	134.35	134.19	134.23	134.31	
29	134.93	135.51	134.74	134.78	136.13	135.91	137.76	136.29	134.30	134.17		134.30	
30	135.01	135.44	134.77	135.33	135.82	135.96	137.67	135.88	134.29	134.12		134.28	
31		135.41		136.06	135.66		137.65		134.31	134.06		134.27	
MEAN	135.21	135.48	135.23	135.32	136.04	136.89	138.05	138.00	134.46	134.15	134.08	134.25	
MAX	135.49	135.62	135.77	136.06	137.84	138.09	139.15	139.26	135.51	134.32	134.23	134.66	139.26
MIN	134.56	135.32	134.74	134.78	134.69	135.68	136.20	135.88	134.29	133.99	133.99	133.92	133.92

ANNUAL MAX MOMENTARY GAGE HEIGHT 139.27 M (MSL), AT 12.00 HOURS, ON NOV 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 133.21 M (MSL), RIVER BED 133.35 M (MSL)
LEFT BANK ELEVATION 143.45 M (MSL)
RIGHT BANK ELEVATION 143.95 M (MSL), DRAINAGE AREA 30764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	39.00	80.20	85.00	51.50	134.20	101.80	133.00	229.60	91.60	28.80	16.80	25.60	
2	41.50	83.80	84.40	58.50	134.80	112.60	149.20	243.60	74.80	28.80	16.80	25.60	
3	44.00	88.60	85.00	60.00	125.80	146.20	156.40	274.40	56.50	27.60	16.80	25.20	
4	53.50	92.20	80.80	55.50	110.20	182.70	153.40	304.50	39.00	27.20	17.60	24.80	
5	63.40	85.60	71.20	54.00	92.20	210.70	148.00	324.80	37.00	26.80	18.40	25.20	
6	69.40	82.60	65.80	59.00	77.20	238.70	153.40	336.20	42.50	25.60	18.80	26.40	
7	73.00	85.00	68.80	68.20	60.50	256.20	172.00	341.80	39.00	25.60	17.60	26.80	
8	75.40	88.60	70.60	71.80	50.50	256.20	198.10	336.20	34.80	26.40	21.20	30.40	
9	76.60	91.00	70.00	79.60	45.50	250.60	239.40	322.00	32.00	28.00	22.80	43.50	
10	78.40	89.80	69.40	93.40	48.00	252.00	289.80	305.90	30.00	26.40	24.00	44.00	
11	79.00	89.80	79.00	104.80	52.00	258.30	308.70	290.50	28.40	21.60	21.60	36.50	
12	79.00	91.60	88.60	106.60	54.50	256.20	316.40	277.90	28.40	18.40	18.40	32.00	
13	80.20	86.20	104.20	111.40	58.50	244.30	324.80	270.20	34.00	17.60	17.60	28.00	
14	80.80	86.20	107.20	115.00	60.00	226.10	329.80	265.30	34.80	17.60	17.60	22.00	
15	81.40	85.00	100.60	113.80	78.40	212.80	331.40	262.50	32.80	18.40	18.40	17.20	
16	82.00	88.00	85.60	108.40	109.00	191.10	326.90	261.80	31.20	18.00	18.00	14.80	
17	85.00	94.00	75.40	104.20	140.80	182.00	312.90	254.80	28.00	17.20	17.20	12.80	
18	90.40	93.40	74.20	97.60	149.80	173.20	309.40	252.00	27.60	16.00	16.00	17.60	
19	88.60	91.60	76.60	91.60	154.00	161.80	323.40	248.50	28.40	15.60	15.60	18.80	
20	88.00	91.60	79.60	89.20	172.60	150.40	333.00	245.00	28.80	16.80	16.80	17.60	
21	87.40	91.60	80.20	87.40	212.80	142.60	329.00	242.20	28.40	22.00	17.20	22.40	
22	86.80	91.60	79.00	84.40	240.80	137.20	317.80	239.40	28.40	20.80	16.40	24.00	
23	87.40	94.00	75.40	75.40	235.90	135.40	303.10	237.30	28.00	20.40	17.20	24.80	
24	88.00	94.00	68.80	68.80	228.20	131.80	287.00	233.80	28.40	20.40	20.80	25.60	
25	90.40	95.20	62.20	66.40	207.20	128.80	270.20	220.50	30.00	20.00	22.80	26.00	
26	87.40	95.20	56.50	62.20	184.10	127.00	257.60	186.90	30.80	20.40	24.00	26.80	
27	71.20	98.20	53.00	57.00	164.80	121.60	245.70	165.40	31.20	22.00	25.20	28.40	
28	58.50	96.40	50.50	50.50	144.40	115.60	243.60	151.60	30.00	23.60	25.20	28.40	
29	57.50	91.60	48.00	50.00	128.80	115.60	235.20	138.40	28.00	22.80		28.00	
30	61.60	87.40	49.50	80.80	110.20	118.60	228.90	113.80	27.60	20.80		27.20	
31		85.60		124.60	100.60		227.50		28.40	18.40		26.80	
TOTAL	2224.80	2785.60	2245.10	2501.60	3866.30	5338.10	7955.00	7576.80	1098.80	680.00	536.80	803.20	37612.10 CMSDAY
MEAN	74.16	89.86	74.84	80.70	124.72	177.94	256.61	252.56	35.45	21.94	19.17	25.91	103.05 CMS
MAX	90.40	98.20	107.20	124.60	240.80	258.30	333.00	341.80	91.60	28.80	25.20	44.00	341.80 CMS
MIN	39.00	80.20	48.00	50.00	45.50	101.80	133.00	113.80	27.60	15.60	15.60	12.80	12.80 CMS
RUNOFF	192.223	240.676	193.977	216.138	334.048	461.212	687.312	654.635	94.936	58.752	46.380	69.396	3249.686 MCM

MOMENTARY PEAK 342.60 CMS, AT 139.27 M (MSL), AT 12.00 HOURS, ON NOV 7, 1984

RUNOFF YIELD 3.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

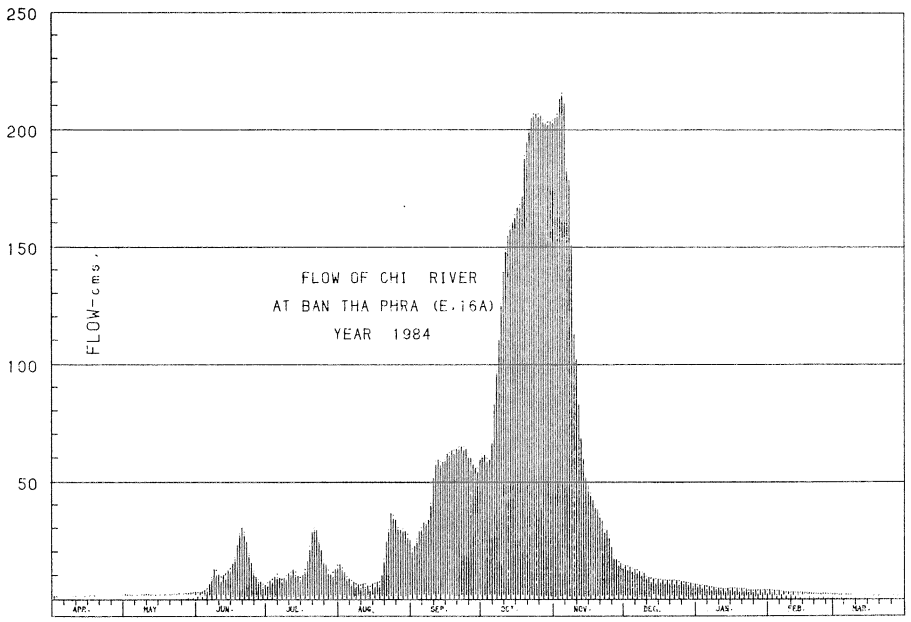
CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION	LAT. 16-21-14 N., LONG. 102-45-09 E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	13,171 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+142.94 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE RAILWAY BRIDGE.
ELEVATION	+157.566 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1963, 1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1963, 1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	142.88	143.05	143.21	143.62	144.05	144.32	145.34	147.60	144.02	143.53	143.30	143.06	
2	142.88	143.02	143.20	143.67	143.98	144.36	145.33	147.62	144.01	143.51	143.28	143.06	
3	142.87	143.00	143.23	143.72	143.88	144.46	145.30	147.69	143.99	143.50	143.27	143.03	
4	142.87	142.98	143.28	143.78	143.79	144.55	145.29	147.72	143.97	143.48	143.27	143.01	
5	142.88	142.96	143.38	143.85	143.73	144.59	145.46	147.67	143.95	143.46	143.26	143.01	
6	142.89	142.98	143.55	143.75	143.68	144.64	145.76	147.33	143.93	143.44	143.24	143.00	
7	142.90	142.98	143.77	143.72	143.63	144.66	146.02	147.27	143.90	143.42	143.22	143.00	
8	142.90	143.01	143.95	143.75	143.58	144.67	146.24	146.88	143.88	143.41	143.21	143.00	
9	142.90	143.03	143.93	143.81	143.54	144.85	146.50	146.28	143.86	143.40	143.19	143.00	
10	142.89	143.05	143.83	143.86	143.53	145.12	146.72	146.12	143.79	143.37	143.19	143.00	
11	142.88	143.04	143.78	143.89	143.57	145.28	146.86	145.76	143.76	143.36	143.19	142.99	
12	142.89	143.01	143.82	143.94	143.57	145.29	146.94	145.49	143.74	143.35	143.19	142.99	
13	142.89	143.00	143.85	143.89	143.48	145.27	147.00	145.30	143.72	143.34	143.19	142.97	
14	142.87	143.00	143.92	143.80	143.47	145.27	147.02	145.15	143.72	143.36	143.19	142.95	
15	142.90	143.01	143.97	143.77	143.57	145.30	147.07	145.04	143.71	143.37	143.18	142.93	
16	142.94	143.02	144.06	143.82	143.60	145.34	147.11	144.96	143.70	143.38	143.16	142.92	
17	142.95	143.02	144.20	143.95	143.64	145.35	147.13	144.88	143.68	143.38	143.14	142.91	
18	142.93	143.02	144.37	144.11	143.64	145.37	147.18	144.83	143.68	143.37	143.13	142.91	
19	142.90	143.03	144.53	144.36	143.81	145.37	147.40	144.78	143.68	143.36	143.11	142.91	
20	142.88	143.01	144.59	144.54	144.17	145.38	147.47	144.73	143.68	143.36	143.09	142.92	
21	142.85	143.03	144.54	144.59	144.42	145.40	147.54	144.66	143.68	143.36	143.08	142.90	
22	142.84	143.09	144.42	144.56	144.57	145.40	147.60	144.57	143.68	143.33	143.06	142.89	
23	142.85	143.07	144.26	144.44	144.74	145.40	147.62	144.56	143.67	143.29	143.08	142.89	
24	142.87	143.12	144.08	144.30	144.72	145.38	147.62	144.51	143.66	143.29	143.09	142.89	
25	142.88	143.10	143.91	144.15	144.67	145.34	147.62	144.34	143.64	143.29	143.08	142.91	
26	142.92	143.10	143.78	144.04	144.59	145.31	147.61	144.22	143.63	143.29	143.06	142.91	
27	142.89	143.13	143.70	143.93	144.56	145.28	147.59	144.15	143.62	143.29	143.06	142.90	
28	143.00	143.15	143.63	143.83	144.58	145.22	147.57	144.10	143.61	143.29	143.06	142.88	
29	142.98	143.18	143.56	143.89	144.55	145.22	147.58	144.07	143.59	143.29		142.86	
30	142.97	143.20	143.51	143.95	144.52	145.29	147.58	144.04	143.56	143.30		142.85	
31		143.21		144.04	144.44		147.59		143.55	143.30		142.84	
MEAN	142.90	143.05	143.86	143.98	144.01	145.09	146.86	145.54	143.75	143.37	143.16	142.94	
MAX	143.00	143.21	144.59	144.59	144.74	145.40	147.62	147.72	144.02	143.53	143.30	143.06	147.72
MIN	142.84	142.96	143.20	143.62	143.47	144.32	145.29	144.04	143.55	143.29	143.06	142.84	142.84

ANNUAL MAX MOMENTARY GAGE HEIGHT 147.72 M (MSL), AT 1.00 HOURS, ON NOV 4, 1984
ZERO GAGE AT BOTTOM ELEVATION 142.94 M (MSL), RIVER BED 137.40 M (MSL)
LEFT BANK ELEVATION 156.03 M (MSL)
RIGHT BANK ELEVATION 156.15 M (MSL), DRAINAGE AREA 13171 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	2.25	3.10	7.30	15.00	21.60	62.00	205.00	14.40	6.30	4.00	2.30	
2	1.40	2.10	3.00	8.05	13.60	22.80	61.50	206.80	14.20	6.10	3.80	2.30	
3	1.35	2.00	3.30	8.80	11.60	25.80	60.00	213.10	13.80	6.00	3.70	2.15	
4	1.35	1.90	3.80	9.70	9.85	29.00	59.50	215.80	13.40	5.80	3.70	2.05	
5	1.40	1.80	4.80	11.00	8.95	30.60	68.00	211.30	13.00	5.60	3.60	2.05	
6	1.45	1.90	6.50	9.25	8.20	32.60	83.00	183.40	12.60	5.40	3.40	2.00	
7	1.50	1.90	9.55	8.80	7.45	33.40	97.20	178.60	12.00	5.20	3.20	2.00	
8	1.50	2.05	13.00	9.25	6.80	33.80	110.40	150.60	11.60	5.10	3.10	2.00	
9	1.50	2.15	12.60	10.20	6.40	41.00	126.00	112.80	11.20	5.00	2.95	2.00	
10	1.45	2.25	10.60	11.20	6.30	51.80	139.40	103.20	9.85	4.70	2.95	2.00	
11	1.40	2.20	9.70	11.80	6.70	59.00	149.20	83.00	9.40	4.60	2.95	1.95	
12	1.45	2.05	10.40	12.80	6.70	59.50	154.80	69.50	9.10	4.50	2.95	1.95	
13	1.45	2.00	11.00	11.80	5.80	58.50	159.00	60.00	8.80	4.40	2.95	1.85	
14	1.35	2.00	12.40	10.00	5.70	58.50	160.40	53.00	8.80	4.60	2.95	1.75	
15	1.50	2.05	13.40	9.55	6.70	60.00	163.90	48.60	8.65	4.70	2.90	1.65	
16	1.70	2.10	15.20	10.40	7.00	62.00	166.70	45.40	8.50	4.80	2.80	1.60	
17	1.75	2.10	18.00	13.00	7.60	62.50	168.10	42.20	8.20	4.80	2.70	1.55	
18	1.65	2.10	23.10	16.20	7.60	63.50	171.60	40.20	8.20	4.70	2.65	1.55	
19	1.50	2.15	28.20	22.80	10.20	63.50	189.00	38.20	8.20	4.60	2.55	1.55	
20	1.40	2.05	30.60	28.60	17.40	64.00	194.60	36.20	8.20	4.60	2.45	1.60	
21	1.25	2.15	28.60	30.60	24.60	65.00	200.20	33.40	8.20	4.60	2.40	1.50	
22	1.20	2.45	24.60	29.40	29.80	65.00	205.00	29.80	8.20	4.30	2.30	1.45	
23	1.25	2.35	19.80	25.20	36.60	65.00	206.80	29.40	8.05	3.90	2.40	1.45	
24	1.35	2.60	15.60	21.00	35.80	64.00	206.80	27.40	7.90	3.90	2.45	1.45	
25	1.40	2.50	12.20	17.00	33.80	62.00	206.80	22.20	7.60	3.90	2.40	1.55	
26	1.60	2.50	9.70	14.80	30.60	60.50	205.90	18.60	7.45	3.90	2.30	1.55	
27	1.45	2.65	8.50	12.60	29.40	59.00	204.20	17.00	7.30	3.90	2.30	1.50	
28	2.00	2.75	7.45	10.60	30.20	56.00	202.60	16.00	7.15	3.90	2.30	1.40	
29	1.90	2.90	6.60	11.80	29.00	56.00	203.40	15.40	6.90	3.90		1.30	
30	1.85	3.00	6.10	13.00	27.80	59.50	203.40	14.80	6.60	4.00		1.25	
31		3.10		14.80	25.20		204.20		6.50	4.00		1.20	
TOTAL	44.70	70.05	381.40	441.30	508.35	1545.40	4793.60	2520.90	293.95	145.70	81.10	53.45	10879.90 CMSDAY
MEAN	1.49	2.26	12.71	14.24	16.40	51.51	154.63	84.03	9.48	4.70	2.90	1.72	29.81 CMS
MAX	2.00	3.10	30.60	30.60	36.60	65.00	206.80	215.80	14.40	6.30	4.00	2.30	215.80 CMS
MIN	1.20	1.80	3.00	7.30	5.70	21.60	59.50	14.80	6.50	3.90	2.30	1.20	1.20 CMS
RUNOFF	3.862	6.052	32.953	38.128	43.921	133.523	414.167	217.806	25.397	12.588	7.007	4.618	940.023 MCM

MOMENTARY PEAK 215.80 CMS, AT 147.72 M (MSL), AT 1.00 HOURS, ON NOV 4, 1984

RUNOFF YIELD 2.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.38 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

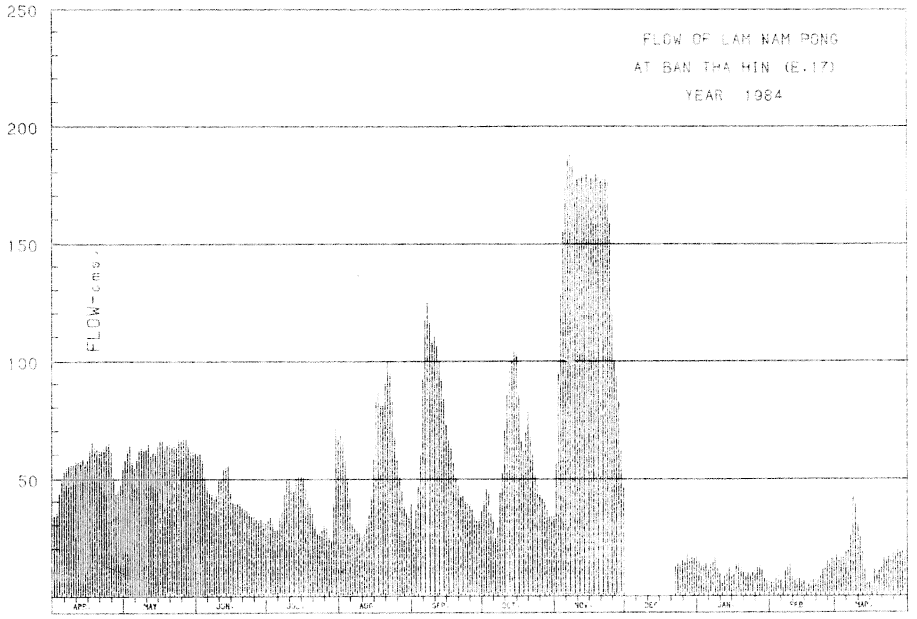
LAM NAM PHONG AT BAN THA HIN, KHON KAEN (E.17).

LOCATION	LAT. 16-26-20 N., LONG. 102-56-52 E., ON LEFT BANK AT THE BRIDGE OF KHON KAEN-KALASIN HIGHWAY, BAN THA HIN, TAM BON THA HIN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	14,426 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+140.821 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+151.215 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. NO RECORDS ON DEC.1-21,1984.STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	143.22	144.15	144.24	143.21	144.47	143.57	143.47	144.09	*******	142.39	141.77	142.46	
2	143.27	144.28	144.24	143.20	144.41	144.02	143.68	145.20	*******	142.36	141.75	142.45	
3	143.61	144.34	144.13	143.08	144.14	144.54	143.62	145.88	*******	142.31	141.88	142.41	
4	143.86	144.11	143.89	142.98	143.86	144.94	143.27	146.30	*******	142.28	141.97	142.40	
5	143.98	144.03	143.70	143.02	143.53	145.57	143.15	146.58	*******	142.22	141.83	142.53	
6	144.03	144.17	143.61	143.19	143.12	145.92	143.35	146.75	*******	142.26	141.76	142.64	
7	144.06	144.28	143.58	143.35	143.01	145.81	143.70	146.81	*******	142.39	142.10	142.88	
8	144.07	144.31	143.51	143.59	142.96	145.65	144.37	146.71	*******	142.41	142.29	143.60	
9	144.08	144.28	143.60	143.86	142.93	145.53	144.76	146.59	*******	142.25	142.27	143.42	
10	144.12	144.32	143.84	143.83	142.84	145.56	145.19	146.63	*******	142.02	141.99	143.09	
11	144.12	144.36	143.85	143.70	142.93	145.51	145.47	146.63	*******	141.86	141.83	142.86	
12	144.12	144.20	144.01	143.64	143.12	145.33	145.61	146.65	*******	141.95	141.85	142.61	
13	144.16	144.25	144.03	143.83	143.24	145.12	145.69	146.63	*******	142.14	141.88	142.15	
14	144.09	144.24	144.06	143.89	143.55	144.91	145.73	146.66	*******	142.19	141.86	141.86	
15	144.15	144.34	143.64	143.88	144.16	144.62	145.70	146.61	*******	142.07	141.81	141.77	
16	144.28	144.44	143.45	143.89	144.89	144.41	145.46	146.64	*******	141.99	141.72	141.76	
17	144.38	144.40	143.42	143.69	144.97	144.33	145.10	146.68	*******	142.30	141.72	142.14	
18	144.31	144.31	143.43	143.49	144.85	144.11	144.98	146.66	*******	142.28	141.80	142.09	
19	144.30	144.35	143.43	143.40	144.83	143.91	145.20	146.63	*******	142.19	141.84	142.11	
20	144.27	144.35	143.36	143.26	145.09	143.74	145.34	146.62	*******	142.07	141.84	142.28	
21	144.28	144.32	143.32	143.04	145.31	143.57	145.12	146.62	*******	142.04	141.83	142.40	
22	144.30	144.33	143.31	142.91	145.18	143.57	144.94	146.63	142.24	142.05	142.06	142.41	
23	144.35	144.32	143.26	142.92	144.88	143.49	144.70	146.62	142.28	142.09	142.15	142.43	
24	144.36	144.42	143.21	142.97	144.45	143.43	144.51	146.36	142.33	142.06	142.26	142.47	
25	144.27	144.40	143.20	143.05	144.14	143.42	144.36	145.71	142.35	142.10	142.33	142.52	
26	143.88	144.41	143.16	143.02	143.88	143.33	144.26	145.35	142.39	142.20	142.36	142.53	
27	143.60	144.42	143.14	142.88	143.65	143.23	144.23	145.15	142.49	142.28	142.39	142.56	
28	143.65	144.35	143.16	142.77	143.41	143.14	144.02	144.90	142.42	142.15	142.42	142.56	
29	143.76	144.27	143.10	143.43	143.27	143.16	143.90	144.28	142.41	141.99		142.54	
30	144.08	144.26	143.10	144.58	143.21	143.31	143.87	143.76	142.44	141.82		142.53	
31		144.25		144.43	143.42		143.85		142.42	141.78		142.55	
MEAN	144.03	144.30	143.57	143.42	143.93	144.36	144.54	146.11	*******	142.14	141.98	142.48	
MAX	144.38	144.44	144.24	144.58	145.31	145.92	145.73	146.81	142.49	142.41	142.42	143.60	146.81
MIN	143.22	144.03	143.10	142.77	142.84	143.14	143.15	143.76	*******	141.78	141.72	141.76	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 146.83 M (MSL), AT 6.00 HOURS, ON NOV 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 140.82 M (MSL), RIVER BED 140.55 M (MSL)
LEFT BANK ELEVATION 151.32 M (MSL)
RIGHT BANK ELEVATION 151.01 M (MSL), DRAINAGE AREA 14426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	34.00	58.00	60.70	33.75	68.45	28.46	40.25	56.20	*******	15.80	5.55	17.20	
2	35.25	61.90	60.70	33.50	66.35	36.56	45.50	95.25	*******	15.20	5.25	17.00	
3	43.75	63.90	57.40	30.50	57.70	47.96	44.00	129.40	*******	14.20	7.20	16.20	
4	50.00	56.80	50.75	28.00	50.00	60.10	35.25	155.50	*******	13.60	8.55	16.00	
5	53.00	54.40	46.00	29.00	41.75	92.90	32.25	174.60	*******	12.40	6.45	18.60	
6	54.40	58.60	43.75	33.25	31.50	117.27	24.80	186.50	*******	13.20	5.40	20.80	
7	55.30	61.90	43.00	37.25	28.75	125.55	30.80	190.75	*******	15.80	10.50	25.60	
8	55.60	62.85	41.25	43.25	27.50	116.25	43.88	183.70	*******	16.20	13.80	43.50	
9	55.90	61.90	43.50	50.00	26.75	108.45	53.80	175.30	*******	13.00	13.40	39.00	
10	57.10	63.20	49.50	49.25	24.80	110.40	70.55	178.10	*******	9.30	8.85	30.75	
11	57.10	64.60	49.75	46.00	26.75	107.15	86.05	178.10	*******	6.90	6.45	25.20	
12	57.10	59.50	53.80	44.50	31.50	100.12	95.75	179.50	*******	8.25	6.75	20.20	
13	58.30	61.00	54.40	49.25	34.50	92.25	101.75	178.10	*******	11.10	7.20	11.25	
14	56.20	60.70	55.30	50.75	42.25	83.90	104.75	180.20	*******	11.85	6.90	6.90	
15	58.00	63.90	44.50	50.50	58.30	73.70	102.50	176.70	*******	10.05	6.15	5.55	
16	61.90	67.40	39.75	50.75	83.15	66.35	85.40	178.80	*******	8.85	4.80	5.40	
17	65.30	66.00	39.00	45.75	86.30	63.55	66.50	181.60	*******	14.00	4.80	11.10	
18	62.85	62.85	39.25	40.75	81.75	56.80	61.70	180.20	*******	13.60	6.00	10.35	
19	62.50	64.25	39.25	38.50	81.05	51.25	71.00	178.10	*******	11.85	6.60	10.65	
20	61.60	64.25	37.50	35.00	91.10	47.00	78.20	177.40	*******	10.05	6.60	13.60	
21	61.90	63.20	36.50	29.50	99.38	42.75	67.40	177.40	*******	9.60	6.45	16.00	
22	62.50	63.55	36.25	26.25	94.50	42.75	60.10	178.10	12.80	9.75	9.90	16.20	
23	64.25	63.20	35.00	26.50	82.80	40.75	52.00	177.40	13.60	10.35	11.25	16.60	
24	64.60	66.70	33.75	27.75	67.75	39.25	47.24	159.40	14.60	9.90	13.20	17.40	
25	61.60	66.00	33.50	29.75	57.70	39.00	43.64	120.05	15.00	10.50	14.60	18.40	
26	50.50	66.35	32.50	29.00	50.50	36.75	41.32	100.88	15.80	12.00	15.20	18.60	
27	43.50	66.70	32.00	25.60	44.75	34.25	40.66	93.38	17.80	13.60	15.80	19.20	
28	44.75	64.25	32.50	23.40	38.75	32.00	36.56	83.50	16.40	11.25	16.40	19.20	
29	47.50	61.60	31.00	39.25	35.25	32.50	34.40	61.90	16.20	8.85		18.80	
30	55.90	61.30	31.00	72.30	33.75	36.25	33.86	47.50	16.80	6.30		18.60	
31		61.00		67.05	39.00		33.50		16.40	5.70		19.00	
TOTAL	1652.15	1941.75	1283.05	1215.85	1684.33	1962.22	1765.36	4513.51	*******	353.00	250.00	562.85	******** CMSDAY
MEAN	55.07	62.64	42.77	39.22	54.33	65.41	56.95	150.45	*******	11.39	8.93	18.16	******** CMS
MAX	65.30	67.40	60.70	72.30	99.38	125.55	104.75	190.75	17.80	16.20	16.40	43.50	190.75 CMS
MIN	34.00	54.40	31.00	23.40	24.80	28.46	24.80	47.50	*******	5.70	4.80	5.40	******** CMS
RUNOFF	142.746	167.767	110.856	105.049	145.526	169.536	152.527	389.967	*******	30.499	21.600	48.630	******** MCM

MOMENTARY PEAK 192.25 CMS, AT 146.83 M (MSL), AT 6.00 HOURS, ON NOV 7, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

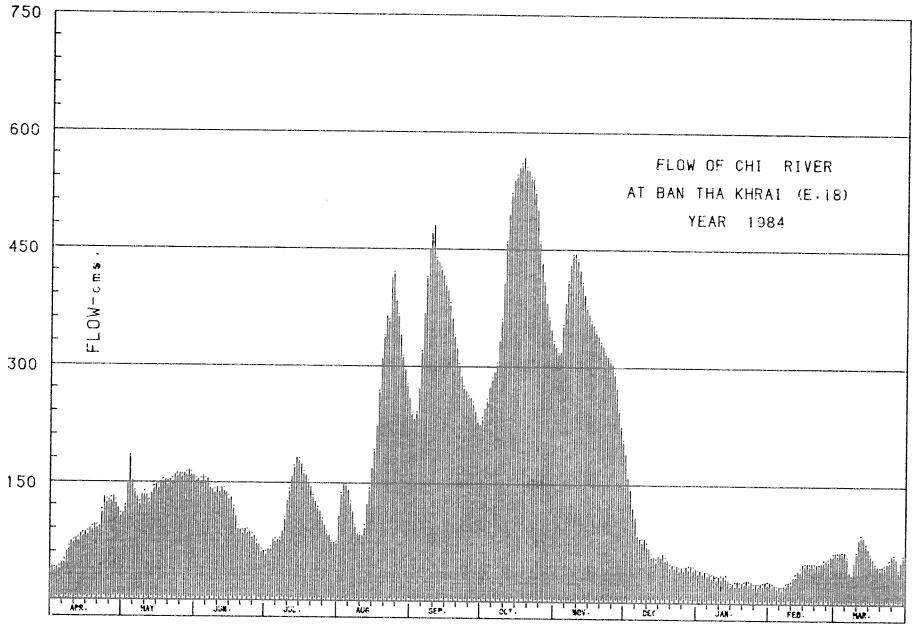
CHI RIVER AT BAN THA KHRAI, ROI ET (E.18)

LOCATION	LAT. 16-01-59 N., LONG. 103-54-38 E., ON LEFT BANK AT BAN THA KHRAI,AMPHOE SELAPHUM, ROI ET.
DRAINAGE AREA	41,594 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+122.244 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM AUTOMATIC GAGE BUILDING.
ELEVATION	+132.934 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 122 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	123.95	124.91	125.47	124.23	124.88	126.53	126.35	127.47	125.84	123.86	123.50	124.27	
2	123.94	125.04	125.45	124.27	125.25	126.42	126.46	127.39	125.56	123.85	123.46	124.27	
3	123.94	125.38	125.48	124.34	125.40	126.46	126.59	127.39	125.31	123.84	123.41	124.27	
4	123.96	125.80	125.51	124.46	125.40	126.71	126.73	127.54	125.08	123.83	123.37	124.28	
5	124.01	125.42	125.47	124.48	125.29	127.20	126.86	127.80	124.87	123.80	123.36	124.28	
6	124.12	125.28	125.46	124.46	125.14	127.68	126.92	128.06	124.63	123.77	123.36	124.18	
7	124.26	125.16	125.36	124.50	124.94	128.11	127.05	128.25	124.51	123.74	123.38	123.83	
8	124.38	125.10	125.29	124.62	124.74	128.43	127.32	128.37	124.51	123.72	123.47	123.73	
9	124.46	125.20	125.30	124.85	124.57	128.64	127.61	128.38	124.51	123.68	123.48	124.05	
10	124.50	125.26	125.33	125.11	124.60	128.70	128.03	128.32	124.44	123.69	123.53	124.28	
11	124.51	125.20	125.31	125.31	124.55	128.68	128.52	128.18	124.33	123.69	123.65	124.52	
12	124.55	125.12	125.32	125.50	124.74	128.54	128.83	128.05	124.22	123.68	123.77	124.61	
13	124.60	125.22	125.33	125.67	125.06	128.57	129.07	127.90	124.15	123.63	123.84	124.56	
14	124.63	125.35	125.24	125.77	125.33	128.46	129.20	127.77	124.11	123.54	123.93	124.44	
15	124.63	125.38	125.20	125.77	125.62	128.37	129.26	127.67	124.19	123.47	124.02	124.35	
16	124.66	125.38	125.15	125.68	125.89	128.27	129.32	127.59	124.24	123.46	124.03	124.25	
17	124.70	125.41	125.03	125.58	126.22	128.09	129.37	127.53	124.21	123.49	124.03	124.13	
18	124.74	125.46	124.86	125.52	126.69	127.89	129.43	127.46	124.15	123.52	124.04	124.03	
19	124.76	125.44	124.73	125.46	127.12	127.65	129.42	127.39	124.08	123.49	124.04	123.98	
20	124.76	125.43	124.65	125.34	127.40	127.44	129.40	127.32	124.00	123.48	124.04	123.96	
21	124.74	125.45	124.64	125.21	127.64	127.23	129.37	127.26	123.99	123.52	124.02	123.99	
22	124.48	125.47	124.66	125.10	127.88	127.05	129.35	127.19	124.00	123.55	124.01	124.01	
23	125.16	125.52	124.66	125.02	128.09	126.91	129.29	127.13	123.97	123.53	124.06	124.04	
24	125.14	125.55	124.62	124.95	128.16	126.83	129.14	127.09	123.93	123.49	124.11	124.12	
25	125.13	125.54	124.57	124.84	128.11	126.78	128.86	127.03	123.92	123.46	124.10	124.20	
26	125.16	125.53	124.53	124.72	127.93	126.75	128.62	126.93	123.92	123.45	124.11	124.23	
27	125.18	125.54	124.45	124.61	127.63	126.69	128.38	126.72	123.95	123.46	124.19	124.13	
28	125.12	125.57	124.36	124.54	127.34	126.54	128.09	126.46	123.96	123.46	124.25	123.88	
29	124.99	125.59	124.28	124.46	127.13	126.42	127.89	126.23	123.96	123.47		124.06	
30	124.91	125.57	124.24	124.41	126.93	126.34	127.71	126.04	123.94	123.50		124.22	
31		125.51		124.45	126.73		127.56		123.90	123.52		124.25	
MEAN	124.60	125.38	125.00	124.94	126.21	127.48	128.26	127.46	124.33	123.60	123.81	124.17	
MAX	125.18	125.80	125.51	125.77	128.16	128.70	129.43	128.38	125.84	123.86	124.25	124.61	129.43
MIN	123.94	124.91	124.24	124.23	124.55	126.34	126.35	126.04	123.90	123.45	123.36	123.73	123.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 129.43 M (MSL), AT 24.00 HOURS, ON OCT 18, 1984
ZERO GAGE AT BOTTOM ELEVATION 122.24 M (MSL), RIVER BED 120.12 M (MSL)
LEFT BANK ELEVATION 133.21 M (MSL)
RIGHT BANK ELEVATION 132.77 M (MSL), DRAINAGE AREA 41594 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.0	111.0	156.0	63.0	108.0	241.0	235.0	325.0	189.0	42.0	27.0	65.0	
2	41.0	121.0	154.0	65.0	138.0	232.0	246.0	318.0	163.0	41.0	25.0	65.0	
3	41.0	148.0	156.0	69.0	150.0	242.0	259.0	318.0	143.0	41.0	23.0	65.0	
4	43.0	185.0	159.0	77.0	150.0	271.0	273.0	354.0	124.0	40.0	22.0	66.0	
5	46.0	152.0	156.0	79.0	141.0	320.0	286.0	381.0	108.0	39.0	21.0	66.0	
6	52.0	140.0	155.0	77.0	127.0	368.0	292.0	410.0	89.0	38.0	21.0	60.0	
7	61.0	131.0	147.0	80.0	113.0	415.0	305.0	430.0	81.0	37.0	22.0	40.0	
8	69.0	126.0	141.0	88.0	97.0	450.0	332.0	444.0	81.0	36.0	26.0	36.0	
9	74.0	134.0	142.0	106.0	85.0	473.0	361.0	445.0	81.0	34.0	27.0	52.0	
10	77.0	139.0	144.0	127.0	87.0	480.0	406.0	438.0	76.0	34.0	28.0	66.0	
11	78.0	134.0	143.0	143.0	83.0	439.0	460.0	423.0	69.0	35.0	33.0	81.0	
12	80.0	128.0	144.0	158.0	97.0	433.0	494.0	408.0	62.0	34.0	38.0	88.0	
13	84.0	136.0	144.0	173.0	123.0	427.0	522.0	392.0	58.0	36.0	41.0	84.0	
14	86.0	146.0	137.0	182.0	144.0	416.0	538.0	378.0	56.0	29.0	45.0	76.0	
15	86.0	148.0	134.0	182.0	169.0	407.0	546.0	367.0	60.0	26.0	50.0	70.0	
16	88.0	148.0	131.0	174.0	193.0	397.0	554.0	359.0	63.0	25.0	51.0	64.0	
17	91.0	151.0	120.0	165.0	223.0	382.0	560.0	353.0	62.0	27.0	51.0	57.0	
18	94.0	155.0	107.0	160.0	269.0	361.0	568.0	346.0	58.0	28.0	51.0	51.0	
19	96.0	153.0	96.0	154.0	309.0	341.0	555.0	339.0	54.0	27.0	51.0	48.0	
20	96.0	152.0	90.0	145.0	340.0	323.0	550.0	332.0	49.0	26.0	51.0	47.0	
21	94.0	154.0	90.0	135.0	364.0	304.0	543.0	326.0	48.0	28.0	50.0	48.0	
22	116.0	156.0	91.0	126.0	360.0	287.0	539.0	319.0	49.0	29.0	50.0	50.0	
23	131.0	160.0	91.0	120.0	413.0	275.0	526.0	313.0	47.0	28.0	51.0	51.0	
24	129.0	162.0	88.0	114.0	421.0	268.0	500.0	309.0	45.0	27.0	56.0	56.0	
25	128.0	162.0	85.0	105.0	383.0	263.0	461.0	303.0	45.0	25.0	55.0	61.0	
26	131.0	161.0	82.0	96.0	367.0	260.0	432.0	293.0	45.0	25.0	57.0	63.0	
27	132.0	162.0	76.0	88.0	340.0	255.0	408.0	272.0	46.0	25.0	60.0	57.0	
28	128.0	164.0	71.0	83.0	314.0	242.0	381.0	246.0	47.0	25.0	64.0	43.0	
29	117.0	166.0	66.0	77.0	295.0	232.0	363.0	224.0	47.0	26.0		53.0	
30	111.0	164.0	63.0	74.0	277.0	225.0	347.0	207.0	46.0	27.0		62.0	
31		159.0		76.0	259.0		333.0		44.0	28.0		64.0	
TOTAL	2642.0	4608.0	3559.0	3561.0	6939.0	10029.0	13175.0	10372.0	2235.0	968.0	1147.0	1855.0	61090.0 CMSDAY
MEAN	88.1	148.6	118.6	114.9	223.8	334.3	425.0	345.7	72.1	31.2	41.0	59.8	167.4 CMS
MAX	132.0	185.0	159.0	182.0	421.0	480.0	568.0	445.0	189.0	42.0	64.0	88.0	568.0 CMS
MIN	41.0	111.0	63.0	63.0	83.0	225.0	235.0	207.0	44.0	25.0	21.0	36.0	21.0 CMS
RUNOFF	228.27	398.13	307.50	307.67	599.53	866.51	1138.32	896.14	193.10	83.64	99.10	160.27	5278.18 MCM

MOMENTARY PEAK 568.00 CMS, AT 7.19 M (MSL), AT 24.00 HOURS, ON OCT 18, 1984

RUNOFF YIELD 4.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.656 LITERS/SECOND/SQUARE KM

+ 122.241

= 129.434

WATER YEAR 1984

CHI RIVER BASIN

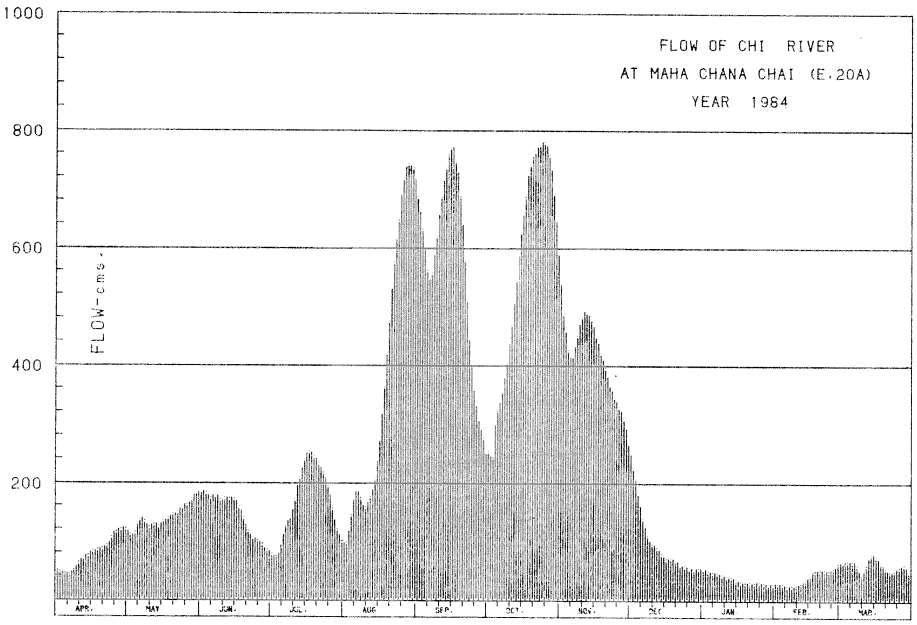
CHI RIVER AT MAHA CHANA CHAI, YASOTHON (E.20A)

LOCATION	LAT. 15-31-59 N., LONG. 104-15-24 E., ON RIGHT BANK ABOUT 800 METERS UPSTREAM FROM E.20 STATION, AMPHOE MAHA CHANA CHAI, YASOTHON.
DRAINAGE AREA	47,818 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+112.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+127.138 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 119.72 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	115.10	116.02	116.75	115.52	115.77	120.06	117.84	119.34	117.34	115.16	114.76	115.31	
2	115.06	115.96	116.74	115.46	115.79	119.94	117.73	119.07	117.14	115.14	114.76	115.33	
3	115.04	115.94	116.72	115.46	116.02	119.81	117.71	118.88	116.94	115.09	114.76	115.35	
4	115.02	116.00	116.67	115.52	116.34	119.64	117.78	118.70	116.72	115.08	114.75	115.35	
5	115.01	116.14	116.63	115.72	116.59	119.46	117.99	118.62	116.49	115.06	114.72	115.35	
6	115.00	116.25	116.67	115.94	116.73	119.38	118.09	118.64	116.28	115.06	114.70	115.34	
7	115.04	116.28	116.67	116.12	116.73	119.44	118.25	118.73	116.11	115.04	114.69	115.34	
8	115.11	116.23	116.66	116.22	116.63	119.59	118.40	118.85	115.94	115.02	114.69	115.25	
9	115.19	116.15	116.60	116.31	116.50	119.75	118.57	118.96	115.82	115.00	114.68	115.09	
10	115.29	116.11	116.58	116.42	116.47	119.92	118.76	119.04	115.76	114.98	114.71	114.99	
11	115.36	116.15	116.63	116.61	116.55	120.06	118.96	119.09	115.74	114.95	114.73	115.08	
12	115.41	116.16	116.63	116.83	116.65	120.18	119.16	119.09	115.68	114.93	114.76	115.24	
13	115.46	116.17	116.62	116.98	116.76	120.28	119.38	119.05	115.62	114.93	114.81	115.41	
14	115.48	116.13	116.63	117.13	116.96	120.38	119.58	119.02	115.53	114.92	114.87	115.52	
15	115.55	116.17	116.61	117.27	117.24	120.43	119.79	118.94	115.45	114.89	114.92	115.52	
16	115.59	116.24	116.57	117.36	117.58	120.43	119.92	118.85	115.40	114.85	115.00	115.47	
17	115.59	116.24	116.48	117.39	117.93	120.42	120.06	118.77	115.40	114.81	115.07	115.40	
18	115.62	116.29	116.41	117.38	118.30	120.38	120.22	118.67	115.42	114.79	115.10	115.32	
19	115.64	116.32	116.29	117.32	118.64	120.30	120.30	118.59	115.40	114.79	115.11	115.24	
20	115.66	116.36	116.15	117.28	118.99	120.19	120.36	118.51	115.37	114.79	115.12	115.17	
21	115.68	116.36	116.03	117.21	119.30	120.02	120.40	118.41	115.32	114.79	115.12	115.11	
22	115.73	116.39	115.95	117.14	119.53	119.78	120.43	118.33	115.26	114.77	115.12	115.08	
23	115.78	116.44	115.89	117.06	119.72	119.51	120.45	118.25	115.23	114.78	115.11	115.07	
24	115.90	116.47	115.87	116.97	119.88	119.21	120.47	118.17	115.22	114.80	115.10	115.10	
25	116.00	116.51	115.84	116.84	120.07	118.92	120.47	118.11	115.20	114.80	115.13	115.15	
26	116.02	116.52	115.79	116.67	120.20	118.66	120.44	118.04	115.18	114.78	115.16	115.19	
27	116.06	116.54	115.76	116.45	120.28	118.45	120.37	117.98	115.16	114.77	115.19	115.23	
28	116.07	116.61	115.65	116.24	120.31	118.26	120.26	117.88	115.16	114.76	115.29	115.26	
29	116.09	116.68	115.63	116.07	120.29	118.13	120.09	117.73	115.16	114.75		115.19	
30	116.08	116.72	115.58	115.94	120.28	117.78	119.87	117.53	115.16	114.75		115.09	
31		116.73		115.82	120.19		119.61		115.16	114.75		115.11	
MEAN	115.52	116.30	116.32	116.54	118.04	119.63	119.41	118.59	115.70	114.90	114.93	115.25	
MAX	116.09	116.73	116.75	117.39	120.31	120.43	120.47	119.34	117.34	115.16	115.29	115.52	120.47
MIN	115.00	115.94	115.58	115.46	115.77	117.78	117.71	117.53	115.16	114.75	114.68	114.99	114.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 120.47 M (MSL), AT 18.00 HOURS, ON OCT 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 112.00 M (MSL), RIVER BED 111.92 M (MSL)
LEFT BANK ELEVATION 129.36 M (MSL)
RIGHT BANK ELEVATION 126.95 M (MSL), DRAINAGE AREA 47818 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.5	117.6	187.0	79.8	97.6	687.2	254.2	538.0	248.4	55.6	29.6	65.7	
2	48.8	112.8	186.0	75.8	99.2	660.8	245.4	488.9	226.4	54.2	29.6	67.0	
3	47.5	111.2	184.0	75.8	117.6	632.2	243.8	456.6	206.0	50.8	29.6	68.4	
4	46.1	116.0	179.0	79.8	146.0	598.0	298.6	427.0	184.0	50.2	29.0	68.4	
5	45.4	127.6	175.0	93.6	171.0	562.0	323.8	414.2	161.0	48.8	27.2	68.4	
6	44.7	137.5	179.0	111.2	185.0	546.0	336.7	417.4	140.2	48.8	26.0	67.7	
7	47.5	140.2	179.0	125.8	185.0	558.0	357.5	431.8	124.9	47.5	25.4	67.7	
8	52.2	135.7	178.0	134.8	175.0	588.0	379.0	451.5	111.2	46.1	25.4	61.6	
9	57.6	128.5	172.0	143.0	162.0	620.0	406.2	470.2	101.6	44.7	24.8	50.8	
10	64.3	124.9	170.0	154.0	159.0	656.4	436.6	483.8	96.8	43.4	26.6	44.1	
11	69.1	128.5	175.0	173.0	167.0	687.2	470.2	492.3	95.2	41.4	27.8	50.2	
12	72.4	129.4	175.0	195.0	177.0	714.4	504.8	492.3	90.7	40.0	29.6	60.9	
13	75.8	130.3	174.0	210.0	188.0	737.4	546.0	485.5	86.6	40.0	32.6	72.4	
14	77.2	126.7	175.0	225.3	208.0	760.4	586.0	480.4	80.5	39.3	36.2	79.8	
15	81.9	130.3	173.0	240.7	237.4	771.9	628.0	466.8	75.1	37.4	39.3	79.8	
16	84.6	136.6	169.0	250.6	274.8	771.9	656.4	451.5	71.8	35.0	44.7	76.5	
17	84.6	136.6	160.0	253.9	316.6	748.0	687.2	438.2	71.8	32.6	49.5	71.8	
18	86.6	141.1	153.0	252.8	364.0	728.0	723.6	422.2	73.1	31.4	51.5	66.4	
19	88.0	144.0	141.1	246.2	417.4	688.0	742.0	409.4	71.8	31.4	52.2	60.9	
20	89.3	148.0	128.5	241.8	475.3	639.5	755.8	396.6	69.7	31.4	52.9	56.2	
21	90.7	148.0	118.4	234.1	530.0	580.0	765.0	380.6	66.4	31.4	52.9	52.2	
22	94.4	151.0	112.0	226.4	576.0	508.0	771.9	368.5	62.3	30.2	52.9	50.2	
23	98.4	156.0	107.2	218.0	614.0	447.0	776.5	357.5	60.3	30.8	52.2	49.5	
24	108.0	159.0	105.6	209.0	647.6	399.1	781.1	347.1	59.6	32.0	51.5	51.5	
25	116.0	163.0	103.2	196.0	689.4	361.4	781.1	339.3	58.2	32.0	53.5	54.9	
26	117.6	164.0	99.2	179.0	719.0	331.0	774.2	330.2	56.9	30.8	55.6	57.6	
27	120.8	166.0	96.8	157.0	737.4	310.0	758.1	322.6	55.6	30.2	57.6	60.3	
28	121.6	173.0	88.6	136.6	744.3	291.0	732.8	310.6	55.6	29.6	64.3	62.3	
29	123.2	180.0	87.3	121.6	739.7	278.0	693.8	292.6	55.6	29.0		57.6	
30	122.4	184.0	83.9	111.2	737.4	249.4	645.4	269.3	55.6	29.0		50.8	
31		185.0		101.6	716.7		592.0		55.6	29.0		52.2	
TOTAL	2428.2	4432.5	4414.8	5253.4	11774.4	17110.2	17653.7	12432.9	3028.5	1184.0	1130.0	1903.8	82746.4 CMSDAY
MEAN	80.9	143.0	147.2	169.5	379.8	570.3	569.5	414.4	97.7	38.2	40.4	61.4	226.7 CMS
MAX	123.2	185.0	187.0	253.9	744.3	771.9	781.1	538.0	248.4	55.6	64.3	79.8	781.1 CMS
MIN	44.7	111.2	83.9	75.8	97.6	249.4	243.8	269.3	55.6	29.0	24.8	44.1	24.8 CMS
RUNOFF	209.80	382.97	381.44	453.89	1017.31	1478.32	1525.28	1074.20	261.66	102.30	97.63	164.49	7149.29 MCM

MOMENTARY PEAK 781.10 CMS, AT 120.47 M (MSL), AT 18.00 HOURS, ON OCT 24, 1984

RUNOFF YIELD 4.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

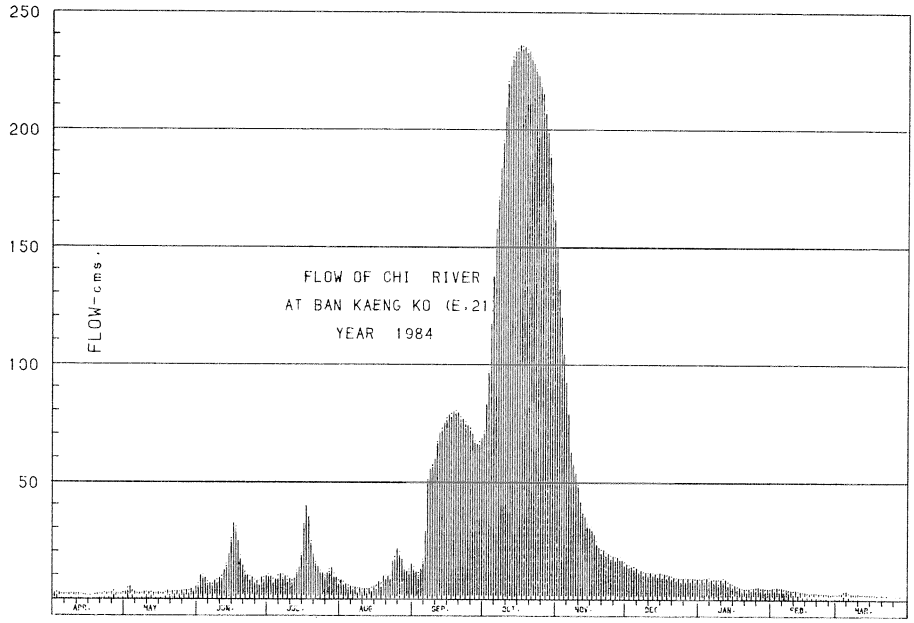
CHI RIVER AT BAN KAENG KO, CHAIYAPHUM (E.21)

LOCATION	LAT. 15-45-07 N., LONG. 102-15-24 E., ON LEFT BANK ABOUT 75 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	8,912 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.433 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955-1957, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968-1971, 1973-1974, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968-1971, 1973-1974, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 45 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	1.32	1.47	1.61	1.52	1.71	2.99	5.32	1.74	1.54	1.39	1.28	
2	1.32	1.40	1.59	1.57	1.50	1.64	3.37	4.86	1.73	1.54	1.39	1.29	
3	1.30	1.41	1.60	1.54	1.46	1.63	3.84	4.49	1.71	1.55	1.40	1.30	
4	1.28	1.34	1.55	1.53	1.44	1.68	4.41	4.07	1.71	1.55	1.39	1.33	
5	1.28	1.32	1.50	1.59	1.42	1.79	5.01	3.68	1.69	1.56	1.39	1.34	
6	1.28	1.30	1.47	1.61	1.41	2.03	5.52	3.27	1.67	1.53	1.38	1.31	
7	1.28	1.30	1.46	1.60	1.40	2.29	5.86	2.69	1.66	1.53	1.37	1.29	
8	1.29	1.30	1.51	1.58	1.39	2.44	6.16	2.56	1.64	1.53	1.36	1.28	
9	1.29	1.32	1.53	1.57	1.39	2.51	6.46	2.37	1.63	1.53	1.35	1.28	
10	1.28	1.32	1.55	1.54	1.38	2.59	6.79	2.27	1.63	1.53	1.35	1.29	
11	1.29	1.31	1.58	1.52	1.38	2.84	7.04	2.20	1.63	1.55	1.35	1.28	
12	1.28	1.32	1.66	1.54	1.38	2.96	7.19	2.16	1.63	1.53	1.34	1.28	
13	1.26	1.30	1.74	1.66	1.38	3.03	7.28	2.12	1.61	1.50	1.33	1.27	
14	1.25	1.30	1.84	1.70	1.40	3.10	7.33	2.08	1.62	1.48	1.32	1.27	
15	1.25	1.31	1.98	1.85	1.42	3.18	7.36	2.05	1.63	1.46	1.32	1.27	
16	1.24	1.30	2.08	2.08	1.44	3.22	7.39	2.06	1.61	1.44	1.31	1.27	
17	1.25	1.30	2.06	2.19	1.50	3.24	7.38	2.01	1.61	1.42	1.30	1.26	
18	1.27	1.32	1.96	2.12	1.48	3.27	7.37	1.96	1.60	1.40	1.31	1.25	
19	1.28	1.34	1.83	1.96	1.58	3.28	7.35	1.91	1.59	1.39	1.31	1.25	
20	1.29	1.32	1.72	1.84	1.59	3.25	7.33	1.89	1.58	1.38	1.31	1.26	
21	1.29	1.33	1.64	1.76	1.58	3.19	7.27	1.89	1.56	1.38	1.30	1.25	
22	1.31	1.33	1.59	1.71	1.59	3.16	7.21	1.86	1.56	1.38	1.30	1.25	
23	1.30	1.33	1.58	1.66	1.77	3.12	7.16	1.85	1.55	1.39	1.30	1.24	
24	1.30	1.33	1.56	1.62	1.82	3.07	7.09	1.83	1.55	1.39	1.29	1.24	
25	1.31	1.34	1.53	1.59	1.90	3.03	7.02	1.82	1.55	1.40	1.28	1.23	
26	1.34	1.35	1.51	1.62	1.87	2.95	6.92	1.81	1.55	1.41	1.27	1.23	
27	1.30	1.35	1.51	1.68	1.79	2.85	6.76	1.81	1.55	1.39	1.28	1.23	
28	1.29	1.35	1.56	1.70	1.70	2.80	6.54	1.82	1.55	1.39	1.29	1.23	
29	1.29	1.37	1.56	1.62	1.65	2.84	6.31	1.78	1.55	1.38		1.22	
30	1.31	1.40	1.58	1.56	1.68	2.89	6.01	1.76	1.54	1.38		1.24	
31		1.41		1.52	1.74		5.64		1.54	1.38		1.25	
MEAN	1.29	1.33	1.64	1.69	1.55	2.72	6.37	2.47	1.61	1.46	1.33	1.27	
MAX	1.34	1.41	2.08	2.19	1.90	3.28	7.39	5.32	1.74	1.56	1.40	1.34	7.39
MIN	1.24	1.30	1.46	1.52	1.38	1.63	2.99	1.76	1.54	1.38	1.27	1.22	1.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.39 M (A.D), AT 24.00 HOURS, ON OCT 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.49 M (A.D)
LEFT BANK ELEVATION 12.40 M (A.D)
RIGHT BANK ELEVATION 12.17 M (A.D), DRAINAGE AREA 8912 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.50	3.00	6.75	10.80	8.10	13.90	71.70	149.80	15.10	8.70	4.75	2.20	
2	3.00	5.00	10.20	9.60	7.50	11.70	83.10	133.10	14.70	8.70	4.75	2.35	
3	2.50	5.25	10.50	8.70	6.50	11.40	97.40	120.15	13.90	9.00	5.00	2.50	
4	2.20	3.50	9.00	8.40	6.00	12.90	117.35	105.45	13.90	9.00	4.75	3.25	
5	2.20	3.00	7.50	10.20	5.50	17.10	138.35	92.40	13.20	9.30	4.75	3.50	
6	2.20	2.50	6.75	10.80	5.25	28.95	157.80	80.10	12.60	8.40	4.50	2.75	
7	2.20	2.50	6.50	10.50	5.00	50.95	171.40	62.70	12.30	8.40	4.25	2.35	
8	2.35	2.50	7.80	9.90	4.75	55.50	183.40	58.80	11.70	8.40	4.00	2.20	
9	2.35	3.00	8.40	9.60	4.75	57.30	195.40	53.75	11.40	8.40	3.75	2.20	
10	2.20	3.00	9.00	8.70	4.50	59.70	209.56	48.85	11.40	8.40	3.75	2.35	
11	2.35	2.75	9.90	8.10	4.50	67.20	220.56	41.50	11.40	9.00	3.75	2.20	
12	2.20	3.00	12.30	8.70	4.50	70.80	227.16	38.30	11.40	8.40	3.50	2.20	
13	1.90	2.50	15.10	12.30	4.50	72.90	231.12	35.10	10.80	7.50	3.25	2.05	
14	1.75	2.50	19.10	13.50	5.00	75.00	233.32	32.20	11.10	7.00	3.00	2.05	
15	1.75	2.75	25.90	19.50	5.50	77.40	234.64	30.25	11.40	6.50	3.00	2.05	
16	1.60	2.50	32.20	32.20	6.00	78.60	235.96	30.90	10.80	6.00	2.75	2.05	
17	1.75	2.50	30.90	40.70	7.50	79.20	235.52	27.65	10.80	5.50	2.50	1.90	
18	2.05	3.00	24.80	35.10	7.00	80.10	235.08	24.80	10.50	5.00	2.75	1.75	
19	2.20	3.50	18.70	24.80	9.90	80.40	234.20	22.05	10.20	4.75	2.75	1.75	
20	2.35	3.00	14.30	19.10	10.20	79.50	233.32	21.10	9.90	4.50	2.75	1.90	
21	2.35	3.25	11.70	15.90	9.90	77.70	230.68	21.10	9.30	4.50	2.50	1.75	
22	2.75	3.25	10.20	13.90	10.20	76.80	228.04	19.90	9.30	4.50	2.50	1.75	
23	2.50	3.25	9.90	12.30	16.30	75.60	225.84	19.50	9.00	4.75	2.50	1.60	
24	2.50	3.25	9.30	11.10	18.30	74.10	222.76	18.70	9.00	4.75	2.35	1.60	
25	2.75	3.50	8.40	10.20	21.50	72.90	219.68	18.30	9.00	5.00	2.20	1.45	
26	3.50	3.75	7.80	11.10	20.30	70.50	215.28	17.90	9.00	5.25	2.05	1.45	
27	2.50	3.75	7.80	12.90	17.10	67.50	208.24	17.90	9.00	4.75	2.20	1.45	
28	2.35	3.75	9.30	13.50	13.50	66.00	198.72	18.30	9.00	4.75	2.35	1.45	
29	2.35	4.25	9.30	11.10	12.00	67.20	189.40	16.70	9.00	4.50		1.30	
30	2.75	5.00	9.90	9.30	12.90	68.70	177.40	15.90	8.70	4.50		1.60	
31		5.25		8.10	15.10		162.60		8.70	4.50		1.75	
TOTAL	69.90	103.50	379.20	440.60	289.55	1797.50	6024.98	1393.15	337.50	202.60	92.90	62.70	11194.08 CMSDAY
MEAN	2.33	3.34	12.64	14.21	9.34	59.92	194.35	46.44	10.89	6.54	3.32	2.02	30.67 CMS
MAX	3.50	5.25	32.20	40.70	21.50	80.40	235.96	149.80	15.10	9.30	5.00	3.50	235.96 CMS
MIN	1.60	2.50	6.50	8.10	4.50	11.40	71.70	15.90	8.70	4.50	2.05	1.30	1.30 CMS
RUNOFF	6.039	8.942	32.763	38.068	25.017	155.304	520.558	120.368	29.160	17.505	8.027	5.417	967.169 MCM

MOMENTARY PEAK 235.96 CMS, AT 7.39 M (A.D), AT 24.00 HOURS, ON OCT 16, 1984

RUNOFF YIELD 3.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

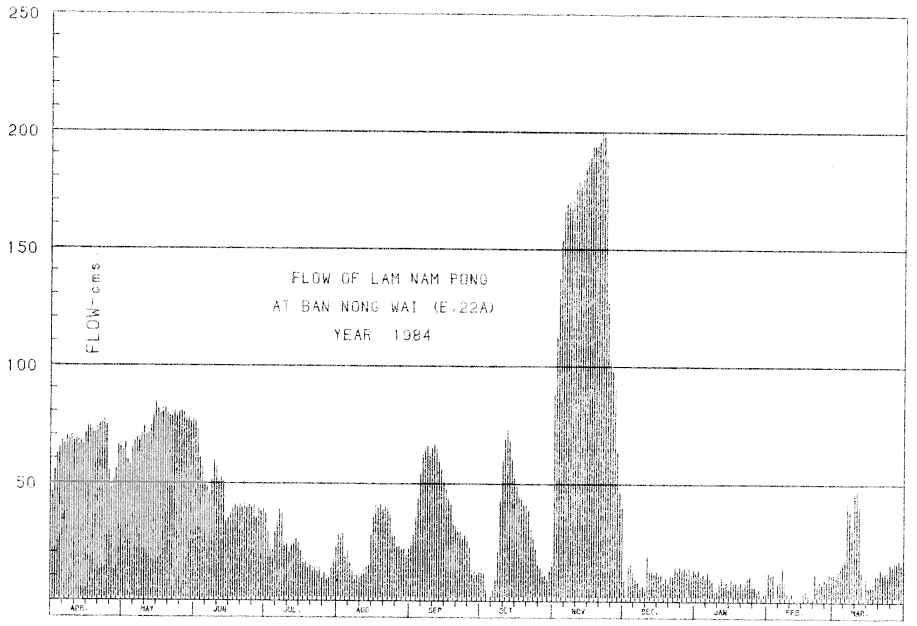
LAM NAM PHONG AT BAN NONG WAI, KHON KAEN (E.22A)

LOCATION	LAT. 16-43-29 N., LONG. 102-48-21 E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM THE BRIDGE OF KHON KAEN-UDON THANI HIGHWAY, AMPHOE NAM PHONG, KHON KAEN.
DRAINAGE AREA	13,183 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+150.92 M.(M.S.L.).
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+161.766 M.(M.S.L.).
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHEMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FARILY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY UBONRAT DAM ABOVE GAGE SITES. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	154.50	155.19	155.64	154.18	154.06	153.99	153.76	155.94	153.62	153.76	153.72	153.70	
2	154.94	155.35	155.49	154.07	154.05	154.05	153.71	156.58	153.38	153.75	153.74	153.71	
3	155.14	155.05	155.13	153.97	154.06	154.15	153.54	157.09	153.79	153.72	153.70	153.74	
4	155.28	155.03	154.93	153.93	153.90	154.40	153.31	157.40	153.84	153.70	153.27	153.81	
5	155.33	155.23	154.71	154.09	153.92	154.86	153.42	157.59	153.72	153.70	153.59	153.83	
6	155.34	155.37	154.60	154.13	153.85	155.14	153.45	157.66	153.69	153.73	153.65	153.89	
7	155.39	155.37	154.51	154.22	153.73	155.23	153.67	157.65	153.60	153.70	153.77	154.31	
8	155.40	155.37	154.72	154.17	153.67	155.26	153.92	157.63	153.55	153.61	153.65	154.20	
9	155.41	155.43	155.08	153.99	153.68	155.15	154.40	157.68	153.53	153.50	153.40	154.09	
10	155.38	155.57	154.93	153.98	153.70	155.23	155.05	157.76	153.57	153.46	153.42	154.53	
11	155.36	155.42	154.69	153.94	153.70	155.31	155.40	157.79	153.88	153.64	153.42	154.54	
12	155.33	155.48	154.76	153.98	153.74	155.22	155.50	157.79	153.78	153.66	153.38	154.23	
13	155.32	155.54	154.75	154.01	153.78	155.07	155.37	157.81	153.73	153.60	153.26	153.73	
14	155.32	155.72	154.13	154.02	153.83	154.90	155.08	157.91	153.75	153.60	153.25	153.21	
15	155.44	155.84	154.16	154.02	154.05	154.72	154.81	157.94	153.73	153.55	153.25	153.65	
16	155.58	155.80	154.17	153.92	154.17	154.55	154.61	157.99	153.73	153.65	153.46	153.58	
17	155.53	155.70	154.24	153.85	154.24	154.42	154.47	158.04	153.70	153.64	153.45	153.53	
18	155.48	155.76	154.26	153.83	154.26	154.26	154.39	158.06	153.66	153.60	153.45	153.58	
19	155.45	155.76	154.26	153.81	154.27	154.13	154.34	158.04	153.65	153.61	153.28	153.69	
20	155.51	155.74	154.25	153.80	154.21	154.11	154.27	158.09	153.65	153.60	153.39	153.73	
21	155.58	155.67	154.26	153.77	154.22	154.10	154.21	158.12	153.69	153.58	153.70	153.76	
22	155.63	155.70	154.28	153.78	154.24	154.08	154.09	158.12	153.73	153.59	153.59	153.73	
23	155.63	155.73	154.25	153.77	154.16	154.04	154.05	157.94	153.80	153.69	153.61	153.72	
24	155.60	155.70	154.25	153.78	154.06	154.05	153.94	156.91	153.78	153.68	153.63	153.72	
25	154.87	155.72	154.25	153.69	154.04	154.03	153.84	156.33	153.79	153.59	153.64	153.82	
26	154.63	155.77	154.25	153.71	153.99	153.95	153.77	156.24	153.79	153.52	153.66	153.83	
27	154.72	155.71	154.16	153.67	153.96	153.74	153.72	156.01	153.77	153.50	153.71	153.83	
28	154.95	155.64	154.19	153.65	153.96	153.73	153.68	155.23	153.78	153.48	153.74	153.85	
29	155.27	155.65	154.19	153.81	153.94	153.74	153.69	154.53	153.78	153.41		153.85	
30	155.29	155.64	154.19	153.85	153.92	153.72	153.73	154.29	153.74	153.40		153.84	
31		155.64		153.98	153.94		153.83		153.75	153.48		153.91	
MEAN	155.29	155.56	154.52	153.92	153.98	154.44	154.16	157.21	153.71	153.60	153.53	153.84	
MAX	155.63	155.84	155.64	154.22	154.27	155.31	155.50	158.12	153.88	153.76	153.77	154.54	158.12
MIN	154.50	155.03	154.13	153.65	153.67	153.72	153.31	154.29	153.38	153.40	153.25	153.21	153.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 158.14 M (MSL), AT 1.00 HOURS, ON NOV 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 150.92 M (MSL), RIVER BED 150.64 M (MSL)
LEFT BANK ELEVATION 166.22 M (MSL)
RIGHT BANK ELEVATION 166.24 M (MSL), DRAINAGE AREA 13183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	46.00	63.70	77.40	38.20	28.60	24.50	13.60	87.90	8.70	13.60	12.20	11.50	
2	57.00	68.50	72.70	29.20	28.00	28.00	11.85	113.60	2.70	13.25	12.90	11.85	
3	62.20	59.75	61.90	23.50	28.60	35.50	6.50	137.50	14.65	12.20	11.50	12.90	
4	66.40	59.25	56.75	21.50	20.00	43.50	1.65	155.00	17.00	11.50	1.05	15.50	
5	67.90	64.90	51.25	30.40	21.00	55.00	3.50	166.40	12.20	11.50	7.75	16.50	
6	68.20	69.10	48.50	33.70	17.50	62.20	4.25	170.60	11.15	12.55	9.75	19.50	
7	69.70	69.10	46.25	40.30	12.55	64.90	10.45	170.00	8.00	11.50	13.95	41.70	
8	70.00	69.10	51.50	37.30	10.45	65.80	21.00	168.80	6.75	8.35	9.75	40.00	
9	70.30	70.90	60.50	24.50	10.80	62.50	43.50	171.80	6.25	5.50	3.00	30.40	
10	69.40	75.10	56.75	24.00	11.50	64.90	59.75	176.60	7.25	4.50	3.50	46.75	
11	68.80	70.60	50.75	22.00	11.50	67.30	70.00	178.40	19.00	9.40	3.50	47.00	
12	67.90	72.40	52.50	24.00	12.90	64.60	73.00	178.40	14.30	10.10	2.70	40.45	
13	67.60	74.20	52.25	25.60	14.30	60.25	69.10	179.60	12.55	8.00	0.90	12.55	
14	67.60	80.20	33.70	26.20	16.50	56.00	60.50	185.60	13.25	8.00	0.75	0.15	
15	71.20	84.40	36.40	26.20	28.00	51.50	53.75	187.40	12.55	6.75	0.75	9.75	
16	75.40	83.00	37.30	21.00	37.30	47.25	48.75	190.40	12.55	9.75	4.50	7.50	
17	73.90	79.50	40.60	17.50	40.60	44.00	45.25	193.80	11.50	9.40	4.25	6.25	
18	72.40	81.60	40.90	16.50	40.90	40.90	43.30	195.20	10.10	8.00	4.25	7.50	
19	71.50	81.60	40.90	15.50	41.05	33.70	42.30	193.80	9.75	8.35	1.20	11.15	
20	73.30	80.90	40.75	15.00	40.15	31.90	41.05	197.30	9.75	8.00	2.85	12.55	
21	75.40	78.45	40.90	13.95	40.30	31.00	40.15	199.40	11.15	7.50	11.50	13.60	
22	77.05	79.50	41.20	14.30	40.60	29.80	30.40	199.40	12.55	7.75	7.75	12.55	
23	77.05	80.55	40.75	13.95	36.40	27.40	28.00	187.40	15.00	11.15	8.35	12.20	
24	76.00	79.50	40.75	14.30	28.60	28.00	22.00	128.50	14.30	10.80	9.05	12.20	
25	55.25	80.20	40.75	11.15	27.40	26.80	17.00	102.70	14.65	7.75	9.40	16.00	
26	49.25	81.95	40.75	11.85	24.50	22.50	13.95	99.10	14.65	6.00	10.10	16.50	
27	51.50	79.85	36.40	10.45	23.00	12.90	12.20	90.35	13.95	5.50	11.85	16.50	
28	57.25	77.40	39.10	9.75	23.00	12.55	10.80	64.90	14.30	5.00	12.90	17.50	
29	66.10	77.75	39.10	15.50	22.00	12.90	11.15	46.75	14.30	3.25		17.50	
30	66.70	77.40	39.10	17.50	21.00	12.20	12.55	41.35	12.90	3.00		17.00	
31		77.40		24.00	22.00		16.50		13.25	5.00		20.50	
TOTAL	2008.25	2327.75	1408.35	668.80	781.00	1220.25	937.75	4557.95	370.95	262.90	191.90	573.50	15309.35 CMSDAY
MEAN	66.94	75.09	46.94	21.57	25.19	40.68	30.25	151.93	11.97	8.48	6.85	18.50	41.94 CMS
MAX	77.05	84.40	77.40	40.30	41.05	67.30	73.00	199.40	19.00	13.60	13.95	47.00	199.40 CMS
MIN	46.00	59.25	33.70	9.75	10.45	12.20	1.65	41.35	2.70	3.00	0.75	0.15	0.15 CMS
RUNOFF	173.513	201.118	121.681	57.784	67.478	105.430	81.022	393.807	32.050	22.715	16.580	49.550	1322.728 MCM

MOMENTARY PEAK 200.80 CMS, AT 158.14 M (MSL), AT 1.00 HOURS, ON NOV 21, 1984

RUNOFF YIELD 3.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

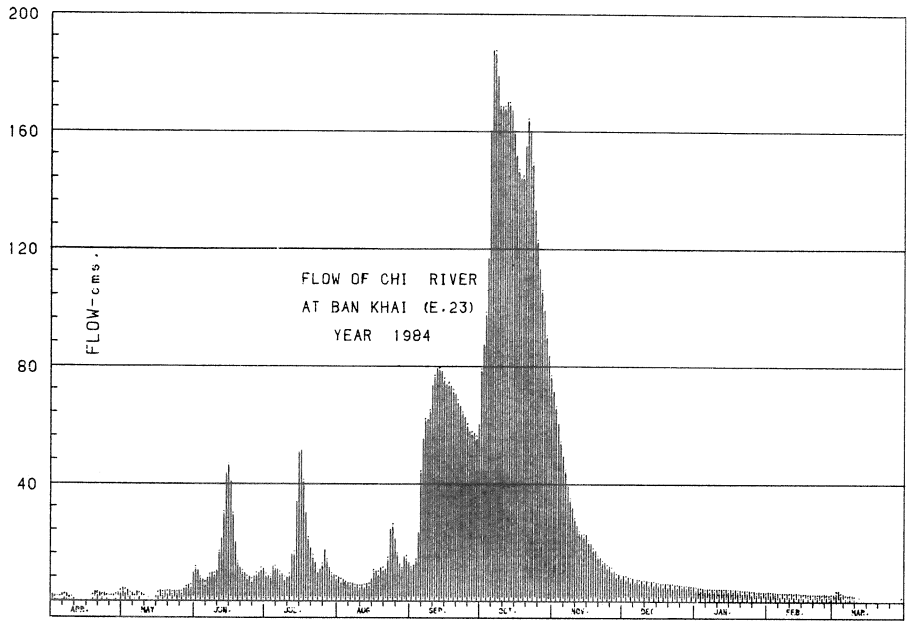
CHI RIVER AT BAN KHAI, CHAIYAPHUM (E.23)

LOCATION	LAT. 15-40-49 N., LONG. 102-00-47 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	6,835 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+174.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+181.926 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954-1956, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968-1974,1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968-1974,1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	175.65	175.88	176.57	176.39	176.26	176.55	180.67	180.32	176.33	175.93	175.77	175.68	
2	175.62	175.86	176.46	176.30	176.22	176.60	180.95	180.07	176.31	175.91	175.77	175.82	
3	175.61	175.81	176.28	176.37	176.18	176.75	181.22	179.77	176.27	175.91	175.76	175.82	
4	175.61	175.74	176.18	176.56	176.11	177.35	181.57	179.43	176.25	175.89	175.75	175.74	
5	175.67	175.70	176.12	176.58	176.08	178.76	182.03	179.09	176.24	175.86	175.74	175.70	
6	175.70	175.63	176.24	176.49	176.06	179.48	182.18	178.79	176.21	175.88	175.74	175.67	
7	175.67	175.75	176.38	176.44	176.05	179.86	182.18	178.41	176.20	175.88	175.74	175.65	
8	175.58	175.74	176.41	176.37	176.01	179.84	182.14	178.14	176.18	175.87	175.73	175.67	
9	175.58	175.69	176.41	176.28	176.00	180.01	182.09	177.92	176.16	175.87	175.73	175.66	
10	175.43	175.64	176.46	176.25	175.99	180.42	182.09	177.69	176.16	175.87	175.74	175.63	
11	175.38	175.59	176.94	176.40	176.00	180.58	182.09	177.51	176.15	175.87	175.73	175.60	
12	175.49	175.53	177.22	176.86	176.02	180.67	182.10	177.39	176.12	175.87	175.72	175.58	
13	175.54	175.45	177.84	176.93	176.04	180.69	182.10	177.32	176.12	175.87	175.74	175.56	
14	175.48	175.41	178.69	178.06	176.06	180.63	182.08	177.32	176.12	175.87	175.72	175.56	
15	175.44	175.60	178.93	179.23	176.20	180.54	182.03	177.31	176.08	175.86	175.70	175.46	
16	175.49	175.76	178.51	179.22	176.49	180.44	181.96	177.19	176.08	175.86	175.71	175.44	
17	175.61	175.79	177.80	178.55	176.45	180.48	181.92	177.10	176.06	175.85	175.70	175.48	
18	175.67	175.77	177.13	177.80	176.45	180.41	181.89	177.00	176.05	175.85	175.69	175.49	
19	175.75	175.79	176.69	177.25	176.53	180.36	181.90	176.95	176.05	175.84	175.69	175.46	
20	175.76	175.81	176.53	177.00	176.55	180.28	181.99	176.83	176.04	175.83	175.69	175.44	
21	175.71	175.80	176.47	176.85	176.50	180.18	182.06	176.78	176.04	175.82	175.69	175.36	
22	175.69	175.77	176.40	176.65	176.79	180.07	182.03	176.71	176.04	175.82	175.69	175.35	
23	175.70	175.77	176.31	176.49	177.43	179.97	181.94	176.66	176.01	175.82	175.69	175.38	
24	175.66	175.78	176.28	176.49	177.56	179.88	181.78	176.60	176.01	175.81	175.69	175.40	
25	175.63	175.79	176.23	176.64	177.21	179.77	181.66	176.57	176.00	175.79	175.71	175.41	
26	175.64	175.79	176.29	176.96	176.89	179.64	181.51	176.54	175.99	175.80	175.69	175.44	
27	175.64	175.85	176.42	176.74	176.63	179.64	181.37	176.45	175.97	175.76	175.67	175.44	
28	175.69	175.96	176.41	176.53	176.53	179.61	181.23	176.38	175.97	175.78	175.70	175.49	
29	175.71	175.99	176.54	176.41	176.79	179.55	181.04	176.37	175.97	175.76		175.55	
30	175.83	176.02	176.51	176.34	176.83	179.76	180.84	176.35	175.95	175.76		175.59	
31		176.41		176.30	176.66		180.58		175.95	175.76		175.60	
MEAN	175.62	175.77	176.79	176.89	176.44	179.63	181.72	177.57	176.10	175.84	175.72	175.55	
MAX	175.83	176.41	178.93	179.23	177.56	180.69	182.18	180.32	176.33	175.93	175.77	175.82	182.18
MIN	175.38	175.41	176.12	176.25	175.99	176.55	180.58	176.35	175.95	175.76	175.67	175.35	175.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 182.20 M (MSL), AT 24.00 HOURS, ON OCT 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 174.00 M (MSL), RIVER BED 174.65 M (MSL)
LEFT BANK ELEVATION 183.23 M (MSL)
RIGHT BANK ELEVATION 183.37 M (MSL), DRAINAGE AREA 6835 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	4.30	11.88	9.40	8.10	11.60	79.25	71.40	8.80	4.80	3.20	2.30	
2	1.70	4.10	10.34	8.50	7.70	12.30	87.25	66.40	8.60	4.60	3.20	3.70	
3	1.60	3.60	8.30	9.20	7.30	14.40	98.50	60.40	8.20	4.60	3.10	3.70	
4	1.60	2.90	7.30	11.74	6.60	23.25	116.70	54.45	8.00	4.40	3.00	2.90	
5	2.20	2.50	6.70	12.02	6.30	44.40	160.20	49.35	7.90	4.10	2.90	2.50	
6	2.50	1.80	7.90	10.76	6.10	55.20	187.60	44.85	7.60	4.30	2.90	2.20	
7	2.20	3.00	9.30	10.06	6.00	62.20	187.60	39.15	7.50	4.30	2.90	2.00	
8	1.40	2.90	9.64	9.20	5.60	61.80	178.80	35.10	7.30	4.20	2.80	2.20	
9	1.40	2.40	9.64	8.30	5.50	65.20	168.60	31.80	7.10	4.20	2.80	2.10	
10	0.65	1.90	10.34	8.00	5.40	73.40	168.60	28.35	7.10	4.20	2.90	1.80	
11	0.40	1.45	17.10	9.50	5.50	77.00	168.60	25.65	7.00	4.20	2.80	1.50	
12	0.95	1.15	21.30	15.94	5.70	79.25	170.00	23.85	6.70	4.20	2.70	1.40	
13	1.20	0.75	30.60	16.95	5.90	79.75	170.00	22.80	6.70	4.20	2.90	1.30	
14	0.90	0.55	43.35	33.90	6.10	78.25	167.20	22.80	6.70	4.20	2.70	1.30	
15	0.70	1.50	46.95	51.45	7.50	76.00	160.20	22.65	6.30	4.10	2.50	0.80	
16	0.95	3.10	40.65	51.30	10.76	73.80	151.60	20.85	6.30	4.10	2.60	0.70	
17	1.60	3.40	30.00	41.25	10.20	74.60	147.20	19.50	6.10	4.00	2.50	0.90	
18	2.20	3.20	19.95	30.00	10.20	73.20	144.00	18.00	6.00	4.00	2.40	0.95	
19	3.00	3.40	13.56	21.75	11.32	72.20	145.00	17.25	6.00	3.90	2.40	0.80	
20	3.10	3.60	11.32	18.00	11.60	70.60	154.90	15.52	5.90	3.80	2.40	0.70	
21	2.60	3.50	10.48	15.80	10.90	68.60	164.40	14.82	5.90	3.70	2.40	0.30	
22	2.40	3.20	9.50	13.00	14.96	66.40	160.20	13.84	5.90	3.70	2.40	0.25	
23	2.50	3.20	8.60	10.76	24.45	64.40	149.40	13.14	5.60	3.70	2.40	0.40	
24	2.10	3.30	8.30	10.76	26.40	62.60	133.20	12.30	5.60	3.60	2.40	0.50	
25	1.80	3.40	7.80	12.86	21.15	60.40	123.00	11.88	5.50	3.40	2.60	0.55	
26	1.90	3.40	8.40	17.40	16.36	57.80	113.10	11.46	5.40	3.50	2.40	0.70	
27	1.90	4.00	9.78	14.26	12.72	57.80	106.00	10.20	5.20	3.10	2.20	0.70	
28	2.40	5.10	9.64	11.32	11.32	57.20	99.00	9.30	5.20	3.30	2.50	0.95	
29	2.60	5.40	11.46	9.64	14.96	56.25	90.60	9.20	5.20	3.10		1.25	
30	3.80	5.70	11.04	8.90	15.52	60.20	83.70	9.00	5.00	3.10		1.45	
31		9.64		8.50	13.14		77.00		5.00	3.10		1.50	
TOTAL	56.25	101.34	461.12	520.42	331.26	1790.05	4311.40	805.26	201.30	121.70	74.90	44.30	8819.30 CMSDAY
MEAN	1.88	3.27	15.37	16.79	10.69	59.67	139.08	26.84	6.49	3.93	2.68	1.43	24.16 CMS
MAX	3.80	9.64	46.95	51.45	26.40	79.75	187.60	71.40	8.80	4.80	3.20	3.70	187.60 CMS
MIN	0.40	0.55	6.70	8.00	5.40	11.60	77.00	9.00	5.00	3.10	2.20	0.25	0.25 CMS
RUNOFF	4.860	8.756	39.841	44.964	28.621	154.660	372.505	69.574	17.392	10.515	6.471	3.828	761.988 MCM

MOMENTARY PEAK 192.00 CMS, AT 182.20 M (MSL), AT 24.00 HOURS, ON OCT 6, 1984

RUNOFF YIELD 3.54 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

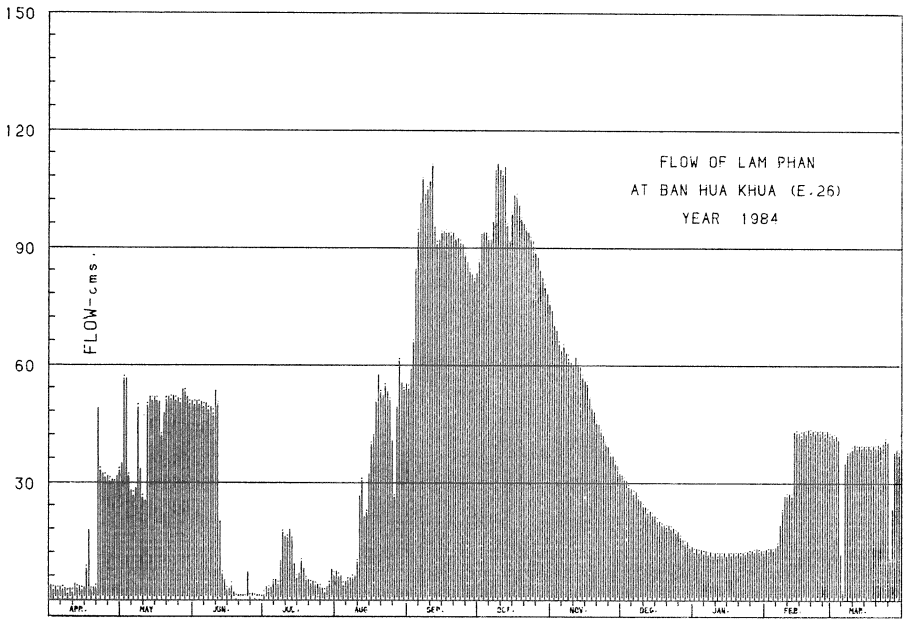
LAM PHAN AT BAN HUA KHUA, KALASIN (E.26)

LOCATION	LAT. 16-24-36 N., LONG. 103-28-15 E., ON RIGHT BANK AT THE BRIDGE ON THE ROAD, AMPHOE YANG TALAT, KALASIN.
DRAINAGE AREA	6,565 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+134.633 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UPSTREAM SIDE AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+145.395 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY LAM PAO DAM. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.74	135.92	136.43	134.64	134.90	136.55	137.47	137.10	135.82	135.13	135.12	136.16	
2	134.73	136.62	136.43	134.72	134.88	136.67	137.64	137.02	135.80	135.13	135.13	136.16	
3	134.72	136.60	136.43	134.73	134.85	136.89	137.67	136.96	135.77	135.12	135.13	136.15	
4	134.72	135.83	136.42	134.71	134.78	137.40	137.65	136.88	135.73	135.12	135.13	136.14	
5	134.72	135.68	136.41	134.81	134.79	137.67	137.62	136.81	135.70	135.11	135.14	135.07	
6	134.73	135.67	136.41	134.81	134.83	137.85	137.60	136.86	135.68	135.11	135.19	134.64	
7	134.70	135.70	136.38	134.79	134.83	138.02	137.74	136.79	135.67	135.10	135.36	135.92	
8	134.68	136.40	136.38	135.01	134.86	137.91	138.07	136.78	135.63	135.10	135.51	136.01	
9	134.69	135.87	136.36	135.31	134.85	137.96	138.13	136.72	135.59	135.09	135.63	136.02	
10	134.69	135.64	136.51	135.25	135.02	137.99	138.07	136.73	135.56	135.09	135.65	136.06	
11	134.76	135.59	136.42	135.26	135.63	138.11	138.06	136.76	135.53	135.09	135.65	136.08	
12	134.74	136.41	135.40	135.32	135.79	137.69	138.09	136.72	135.51	135.09	135.65	136.07	
13	134.73	136.46	134.90	135.24	135.44	137.59	137.71	136.69	135.49	135.09	136.18	136.07	
14	134.72	136.46	134.81	134.98	135.50	137.60	137.59	136.63	135.48	135.09	136.19	136.07	
15	134.71	136.46	134.72	134.86	135.83	137.66	137.79	136.58	135.45	135.09	136.17	136.07	
16	134.96	136.46	134.69	134.88	136.10	137.66	137.90	136.58	135.43	135.09	136.18	136.07	
17	135.31	136.42	134.78	135.03	136.16	137.67	137.91	136.45	135.40	135.09	136.19	136.07	
18	134.71	136.17	134.60	134.93	136.44	137.65	137.83	136.39	135.38	135.09	136.19	136.07	
19	134.71	136.33	134.54	134.84	136.63	137.65	137.75	136.34	135.36	135.09	136.20	136.07	
20	134.75	136.46	134.53	134.81	136.51	137.65	137.71	136.27	135.36	135.09	136.20	136.07	
21	136.37	136.46	134.53	134.80	136.47	137.62	137.68	136.24	135.36	135.09	136.19	136.08	
22	135.88	136.47	134.53	134.79	136.56	137.61	137.65	136.20	135.35	135.09	136.19	136.09	
23	135.83	136.47	134.53	134.78	136.50	137.60	137.62	136.15	135.33	135.10	136.19	136.09	
24	135.83	136.46	134.89	134.75	136.45	137.57	137.59	136.10	135.31	135.10	136.19	136.13	
25	135.81	136.45	134.56	134.75	136.11	137.51	137.53	136.06	135.30	135.11	136.19	136.10	
26	135.80	136.44	134.57	134.70	135.64	137.45	137.48	136.01	135.26	135.11	136.19	135.03	
27	135.78	136.52	134.55	134.69	136.38	137.40	137.41	135.98	135.22	135.12	136.19	135.51	
28	135.77	136.52	134.54	134.72	136.75	137.36	137.34	135.94	135.21	135.13	136.17	136.03	
29	135.81	136.46	134.53	134.79	136.57	137.33	137.29	135.90	135.20	135.12		136.04	
30	135.88	136.43	134.52	134.92	136.53	137.37	137.22	135.86	135.16	135.11		136.04	
31		136.43		134.89	136.56		137.17		135.15	135.11		136.04	
MEAN	135.13	136.27	135.31	134.89	135.78	137.56	137.68	136.48	135.46	135.10	135.83	135.94	
MAX	136.37	136.62	136.51	135.32	136.75	138.11	138.13	137.10	135.82	135.13	136.20	136.16	138.13
MIN	134.68	135.59	134.52	134.64	134.78	136.55	137.17	135.86	135.15	135.09	135.12	134.64	134.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 138.16 M (MSL), AT 6.00 HOURS, ON SEP 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 134.63 M (MSL), RIVER BED 133.78 M (MSL)
LEFT BANK ELEVATION 140.62 M (MSL)
RIGHT BANK ELEVATION 140.80 M (MSL), DRAINAGE AREA 6565 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	35.00	50.96	2.40	7.40	54.90	87.12	73.80	32.00	13.18	12.92	42.32	
2	3.60	57.28	50.96	3.40	6.92	58.98	93.52	70.92	31.40	13.18	13.18	42.32	
3	3.40	56.60	50.96	3.60	6.20	66.46	94.66	68.84	30.56	12.92	13.18	42.00	
4	3.40	32.30	50.64	3.20	4.60	84.60	93.90	66.12	29.44	12.92	13.18	41.68	
5	3.40	28.04	50.32	5.24	4.80	94.66	92.76	63.74	28.60	12.66	13.44	11.62	
6	3.60	27.76	50.32	5.24	5.72	101.50	92.00	65.44	28.04	12.66	14.74	2.40	
7	3.00	28.60	49.36	4.80	5.72	107.96	97.32	63.06	27.76	12.40	19.16	35.00	
8	2.80	50.00	49.36	10.06	6.44	103.78	109.86	62.72	26.64	12.40	23.28	37.70	
9	2.90	33.50	48.72	17.86	6.20	105.68	112.14	60.68	25.52	12.14	26.64	38.00	
10	2.90	26.92	53.54	16.30	10.32	106.82	109.86	61.02	24.68	12.14	27.20	39.20	
11	4.20	25.52	50.64	16.56	26.64	111.38	109.48	62.04	23.84	12.14	27.20	39.80	
12	3.80	50.32	20.20	18.12	31.12	95.42	110.62	60.68	23.28	12.14	27.20	39.50	
13	3.60	51.92	7.40	16.04	21.32	91.62	96.18	59.66	22.72	12.14	42.96	39.50	
14	3.40	51.92	5.24	9.32	23.00	92.00	91.62	57.62	22.44	12.14	43.28	39.50	
15	3.20	51.92	3.40	6.44	32.30	94.28	99.22	55.92	21.60	12.14	42.64	39.50	
16	8.84	51.92	2.90	6.92	40.40	94.28	103.40	55.92	21.04	12.14	42.96	39.50	
17	17.86	50.64	4.60	10.58	42.32	94.66	103.78	51.60	20.20	12.14	43.28	39.50	
18	3.20	42.64	2.00	8.12	51.28	93.90	100.74	49.68	19.68	12.14	43.28	39.50	
19	3.20	47.76	1.40	5.96	57.62	93.90	97.70	48.08	19.16	12.14	43.60	39.50	
20	4.00	51.92	1.30	5.24	53.54	93.90	96.18	45.84	19.16	12.14	43.60	39.50	
21	49.04	51.92	1.30	5.00	52.24	92.76	95.04	44.88	19.16	12.14	43.28	39.80	
22	33.80	52.24	1.30	4.80	55.24	92.38	93.90	43.60	18.90	12.14	43.28	40.10	
23	32.30	52.24	1.30	4.60	53.20	92.00	92.76	42.00	18.38	12.40	43.28	40.10	
24	32.30	51.92	7.16	4.00	51.60	90.86	91.62	40.40	17.86	12.40	43.28	41.36	
25	31.70	51.60	1.60	4.00	40.72	88.58	89.34	39.20	17.60	12.66	43.28	40.40	
26	31.40	51.28	1.70	3.00	26.92	86.40	87.48	37.70	16.56	12.66	43.28	10.58	
27	30.84	53.88	1.50	2.90	49.36	84.60	84.96	36.80	15.52	12.92	43.28	23.28	
28	30.56	53.88	1.40	3.40	61.70	83.16	82.44	35.60	15.26	13.18	42.64	38.30	
29	31.70	51.92	1.30	4.80	55.58	82.08	80.64	34.40	15.00	12.92		38.60	
30	33.80	50.96	1.20	7.88	54.22	83.52	78.12	33.20	13.96	12.66		38.60	
31		50.96		7.16	55.24		76.32		13.70	12.66		38.60	
TOTAL	425.54	1425.28	623.98	226.94	999.88	2717.02	2944.68	1591.16	679.66	386.74	922.52	1117.26	14060.66 CMSDAY
MEAN	14.18	45.98	20.80	7.32	32.25	90.57	94.99	53.04	21.92	12.48	32.95	36.04	38.52 CMS
MAX	49.04	57.28	53.54	18.12	61.70	111.38	112.14	73.80	32.00	13.18	43.60	42.32	112.14 CMS
MIN	2.80	25.52	1.20	2.40	4.60	54.90	76.32	33.20	13.70	12.14	12.92	2.40	1.20 CMS
RUNOFF	36.767	123.144	53.912	19.608	86.390	234.751	254.420	137.476	58.723	33.414	79.706	96.531	1214.841 MCM

MOMENTARY PEAK 113.28 CMS, AT 138.16 M (MSL), AT 6.00 HOURS, ON SEP 10, 1984
RUNOFF YIELD 5.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

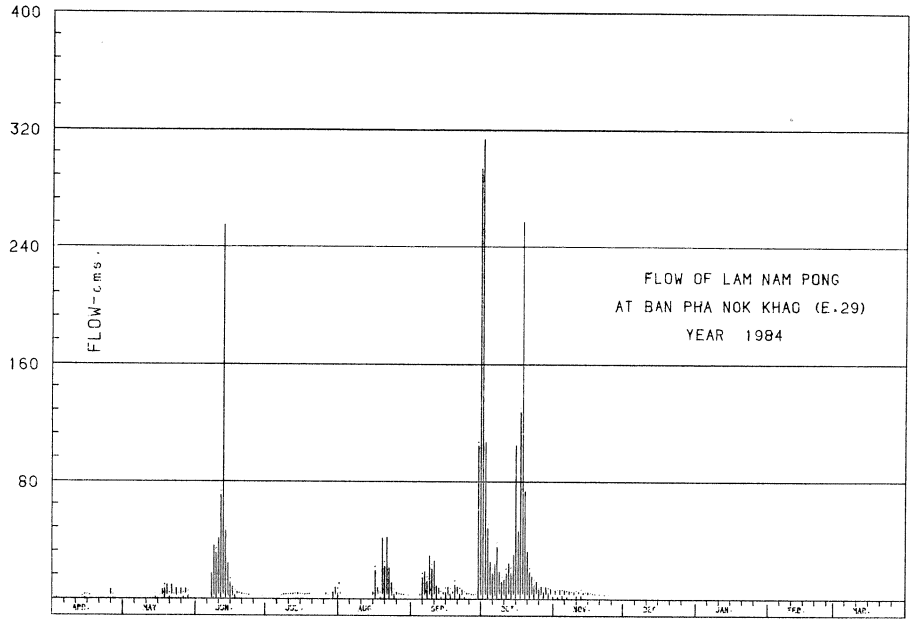
LAM NAM PHONG AT BAN PHA NOK KHAO, LOEI (E.29)

LOCATION	LAT. 16-50-45 N., LONG. 101-56-54 E., ON RIGHT BANK IN THE VICINITY OF THE FORESTRY OFFICE ABOUT 400 METERS FROM THE BRIDGE ON HIGHWAY, BAN PHA NOK KHAO, AMPHOE PHU KRADUNG, LOEI.
DRAINAGE AREA	945 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+225.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+238.429 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1956-1958, 1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	225.75	225.72	225.81	225.84	226.22	225.93	235.66	226.34	225.90	225.75	225.76	225.70	
2	225.71	225.82	225.83	225.85	226.07	225.91	231.36	226.35	225.89	225.75	225.75	225.69	
3	225.68	225.81	225.98	225.92	225.94	225.93	229.22	226.39	225.88	225.75	225.74	225.68	
4	225.67	225.73	225.94	225.89	225.87	226.07	227.81	226.40	225.86	225.74	225.73	225.68	
5	225.66	225.68	225.95	225.91	225.85	227.30	227.51	226.37	225.85	225.75	225.73	225.70	
6	225.65	225.81	225.93	225.93	225.83	227.38	227.72	226.32	225.86	225.75	225.72	225.70	
7	225.67	225.90	227.48	225.93	225.82	227.10	228.54	226.30	225.85	225.74	225.72	225.70	
8	225.72	225.87	228.42	226.06	225.80	228.05	227.37	226.27	225.84	225.74	225.72	225.69	
9	225.69	225.75	228.32	226.06	225.80	227.71	227.09	226.24	225.84	225.74	225.73	225.69	
10	225.70	225.73	228.69	226.08	225.80	227.85	226.94	226.33	225.84	225.75	225.73	225.69	
11	225.78	225.74	230.15	226.08	225.81	226.89	227.51	226.26	225.81	225.73	225.72	225.68	
12	225.78	225.68	234.64	226.11	225.83	226.52	227.76	226.42	225.81	225.73	225.72	225.68	
13	225.87	225.70	229.10	226.14	225.83	226.32	227.56	226.18	225.82	225.72	225.72	225.68	
14	226.03	226.08	227.75	226.18	225.81	226.21	228.08	226.22	225.81	225.72	225.71	225.68	
15	226.03	226.01	227.01	226.10	226.23	226.54	231.37	226.23	225.80	225.72	225.73	225.69	
16	225.97	225.94	226.57	226.09	227.63	226.56	228.97	226.17	225.79	225.71	225.73	225.70	
17	225.82	226.41	226.37	226.06	226.54	226.49	232.04	226.11	225.80	225.72	225.72	225.69	
18	225.77	226.71	226.24	226.10	226.24	226.27	234.68	226.07	225.78	225.72	225.72	225.69	
19	225.72	226.67	226.17	226.10	228.72	226.91	230.23	226.05	225.78	225.72	225.73	225.69	
20	225.71	226.19	226.12	225.95	227.82	226.58	228.20	226.04	225.78	225.71	225.71	225.68	
21	225.69	226.67	226.07	225.90	228.75	226.52	227.54	226.03	225.78	225.72	225.71	225.68	
22	225.68	226.06	226.03	225.88	227.74	226.40	227.12	225.99	225.78	225.73	225.71	225.68	
23	225.67	226.48	225.99	225.88	226.80	226.27	226.94	225.98	225.77	225.73	225.73	225.68	
24	225.84	226.13	225.96	225.87	226.45	226.18	226.85	225.97	225.77	225.73	225.72	225.69	
25	226.40	226.46	225.93	225.90	226.24	226.14	226.71	225.96	225.76	225.73	225.70	225.69	
26	226.04	226.22	225.92	226.15	226.14	226.08	226.58	225.95	225.76	225.77	225.70	225.68	
27	225.90	226.46	225.90	225.97	226.08	226.05	226.56	225.93	225.75	225.75	225.70	225.67	
28	225.80	226.31	225.88	225.93	226.05	226.08	226.55	225.92	225.75	225.86	225.70	225.66	
29	225.76	226.03	225.86	226.53	226.00	231.36	226.51	225.92	225.75	225.82		225.66	
30	225.74	225.91	225.85	226.55	225.97	235.28	226.45	225.91	225.74	225.82		225.65	
31		225.85		226.51	225.95		226.37		225.74	225.77		225.70	
MEAN	225.80	226.05	226.93	226.05	226.38	227.03	228.38	226.15	225.80	225.74	225.72	225.68	
MAX	226.40	226.71	234.64	226.55	228.75	235.28	235.66	226.42	225.90	225.86	225.76	225.70	235.66
MIN	225.65	225.68	225.81	225.84	225.80	225.91	226.37	225.91	225.74	225.71	225.70	225.65	225.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 236.13 M (MSL), AT 8.00 HOURS, ON OCT 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 225.00 M (MSL), RIVER BED 225.67 M (MSL)
LEFT BANK ELEVATION 237.90 M (MSL)
RIGHT BANK ELEVATION 239.21 M (MSL), DRAINAGE AREA 945 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.05	0.84	1.47	1.68	4.40	2.31	316.10	5.60	2.10	1.05	1.12	0.70	
2	0.77	1.54	1.61	1.75	3.29	2.17	106.92	5.70	2.03	1.05	1.05	0.63	
3	0.56	1.47	2.66	2.24	2.38	2.31	51.04	6.10	1.96	1.05	0.98	0.56	
4	0.49	0.91	2.38	2.03	1.89	3.29	25.18	6.20	1.82	0.98	0.91	0.56	
5	0.42	0.56	2.45	2.17	1.75	17.60	20.54	5.90	1.75	1.05	0.91	0.70	
6	0.35	1.47	2.31	2.31	1.61	18.72	23.72	5.40	1.82	1.05	0.84	0.70	
7	0.49	2.10	20.12	2.31	1.54	15.00	38.32	5.20	1.75	0.98	0.84	0.70	
8	0.84	1.89	36.16	3.22	1.40	29.50	18.58	4.90	1.68	0.98	0.84	0.63	
9	0.63	1.05	34.36	3.22	1.40	23.56	14.87	4.60	1.68	0.98	0.91	0.63	
10	0.70	0.91	41.02	3.36	1.40	25.90	12.92	5.50	1.68	1.05	0.91	0.63	
11	1.26	0.98	73.25	3.36	1.47	12.27	20.54	4.80	1.47	0.91	0.84	0.56	
12	1.26	0.56	254.90	3.57	1.61	7.46	24.36	6.40	1.47	0.91	0.84	0.56	
13	1.89	0.70	48.60	3.78	1.61	5.40	21.24	4.06	1.54	0.84	0.84	0.56	
14	3.01	3.36	24.20	4.06	1.47	4.30	30.04	4.40	1.47	0.84	0.77	0.56	
15	3.01	2.87	13.83	3.50	4.50	7.72	107.24	4.50	1.40	0.84	0.91	0.63	
16	2.59	2.38	8.11	3.43	22.28	7.98	46.06	3.99	1.33	0.77	0.91	0.70	
17	1.54	6.30	5.90	3.22	7.72	7.10	130.04	3.57	1.40	0.84	0.84	0.63	
18	1.19	9.93	4.60	3.50	4.60	4.90	257.30	3.29	1.26	0.84	0.84	0.63	
19	0.84	9.41	3.99	3.50	41.56	12.53	75.20	3.15	1.26	0.84	0.91	0.63	
20	0.77	4.13	3.64	2.45	25.36	8.24	32.20	3.08	1.26	0.77	0.77	0.56	
21	0.63	9.41	3.29	2.10	42.10	7.46	20.96	3.01	1.26	0.84	0.77	0.56	
22	0.56	3.22	3.01	1.96	24.04	6.20	15.26	2.73	1.26	0.91	0.77	0.56	
23	0.49	7.00	2.73	1.96	11.10	4.90	12.92	2.66	1.19	0.91	0.91	0.56	
24	1.68	3.71	2.52	1.89	6.70	4.06	11.75	2.59	1.19	0.91	0.84	0.63	
25	6.20	6.80	2.31	2.10	4.60	3.78	9.93	2.52	1.12	0.91	0.70	0.63	
26	3.08	4.40	2.24	3.85	3.78	3.36	8.24	2.45	1.12	1.19	0.70	0.56	
27	2.10	6.80	2.10	2.59	3.36	3.15	7.98	2.31	1.05	1.05	0.70	0.49	
28	1.40	5.30	1.96	2.31	3.15	3.36	7.85	2.24	1.05	1.82	0.70	0.42	
29	1.12	3.01	1.82	7.59	2.80	106.92	7.33	2.24	1.05	1.54		0.42	
30	0.98	2.17	1.75	7.85	2.59	293.30	6.70	2.17	0.98	1.54		0.35	
31		1.75		7.33	2.45		5.90		0.98	1.19		0.70	
TOTAL	41.90	106.93	609.29	100.19	239.91	654.75	1487.23	121.26	44.38	31.43	23.87	18.34	3479.48 CMSDAY
MEAN	1.40	3.45	20.31	3.23	7.74	21.83	47.98	4.04	1.43	1.01	0.85	0.59	9.53 CMS
MAX	6.20	9.93	254.90	7.85	42.10	293.30	316.10	6.40	2.10	1.82	1.12	0.70	316.10 CMS
MIN	0.35	0.56	1.47	1.68	1.40	2.17	5.90	2.17	0.98	0.77	0.70	0.35	0.35 CMS
RUNOFF	3.620	9.239	52.643	8.656	20.728	56.570	128.497	10.477	3.834	2.716	2.062	1.585	300.627 MCM

MOMENTARY PEAK 346.45 CMS, AT 236.13 M (MSL), AT 8.00 HOURS, ON OCT 1, 1984

RUNOFF YIELD 10.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 366.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

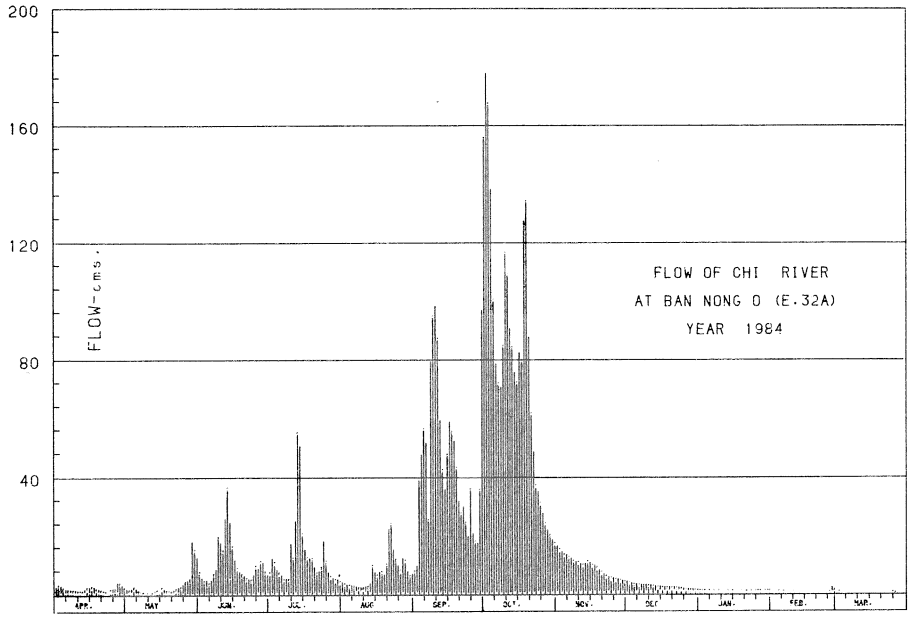
CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15-54-40 N., LONG. 101-42-40 E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+198.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+210.771 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	198.92	198.84	199.27	199.27	199.05	199.29	204.90	199.71	199.07	198.81	198.77	198.77	
2	199.00	198.83	199.15	199.50	199.03	199.37	205.60	199.66	199.05	198.81	198.77	198.74	
3	198.96	198.85	199.09	199.44	199.00	200.69	205.28	199.61	199.03	198.80	198.77	198.72	
4	198.90	198.93	199.10	199.31	199.00	201.01	204.31	199.57	199.02	198.80	198.77	198.72	
5	198.85	198.86	199.04	199.26	198.98	201.37	203.06	199.56	199.01	198.80	198.76	198.71	
6	198.84	198.80	199.10	199.21	198.96	201.17	202.25	199.53	199.00	198.80	198.75	198.71	
7	198.83	198.76	199.24	199.13	198.93	200.13	201.99	199.50	198.99	198.80	198.75	198.69	
8	198.82	198.74	199.31	199.14	198.91	202.28	201.93	199.46	198.99	198.80	198.75	198.69	
9	198.81	198.73	199.87	199.13	198.90	202.86	202.50	199.44	198.99	198.80	198.74	198.69	
10	198.80	198.72	199.77	199.75	198.91	202.98	203.60	199.44	198.98	198.80	198.74	198.68	
11	198.80	198.72	199.64	199.51	198.94	202.59	203.35	199.40	198.97	198.79	198.74	198.68	
12	198.79	198.72	200.14	200.11	198.96	201.48	202.71	199.39	198.97	198.79	198.73	198.68	
13	198.84	198.77	200.57	201.32	199.03	200.81	202.48	199.41	198.94	198.79	198.73	198.68	
14	198.91	198.83	200.09	201.13	199.39	200.54	202.13	199.45	198.93	198.79	198.73	198.67	
15	198.91	198.76	199.71	199.93	199.26	201.02	202.00	199.43	198.93	198.79	198.72	198.66	
16	198.96	198.91	199.47	199.65	199.22	201.46	202.40	199.39	198.92	198.79	198.72	198.65	
17	198.92	198.84	199.34	199.52	199.27	201.33	202.30	199.38	198.91	198.79	198.73	198.65	
18	198.87	198.80	199.27	199.50	199.28	201.20	203.95	199.35	198.91	198.79	198.73	198.65	
19	198.85	198.79	199.23	199.51	199.22	200.84	204.18	199.30	198.91	198.79	198.72	198.64	
20	198.83	198.77	199.20	199.35	199.41	200.38	202.60	199.27	198.90	198.78	198.71	198.64	
21	198.79	198.81	199.16	199.26	200.00	200.22	201.58	199.23	198.90	198.78	198.70	198.64	
22	198.76	198.87	199.13	199.28	200.08	200.30	201.05	199.20	198.90	198.78	198.70	198.64	
23	198.76	198.90	199.12	199.36	199.65	200.09	200.60	199.17	198.89	198.78	198.70	198.65	
24	198.84	198.93	199.22	199.79	199.49	199.87	200.51	199.16	198.88	198.78	198.71	198.66	
25	198.86	199.00	199.38	199.46	199.38	200.55	200.36	199.15	198.85	198.78	198.73	198.73	
26	198.87	199.07	199.33	199.26	199.30	199.92	200.21	199.13	198.85	198.80	198.74	198.69	
27	199.04	199.09	199.46	199.20	199.50	199.79	200.08	199.12	198.84	198.80	198.89	198.69	
28	199.04	199.13	199.43	199.15	199.47	199.76	199.98	199.11	198.83	198.80	198.82	198.68	
29	198.97	199.78	199.28	199.13	199.28	200.54	199.90	199.09	198.83	198.80		198.65	
30	198.90	199.65	199.22	199.12	199.21	202.93	199.81	199.08	198.83	198.80		198.64	
31		199.51		199.08	199.23		199.76		198.82	198.80		198.63	
MEAN	198.87	198.93	199.41	199.51	199.23	200.89	202.17	199.36	198.93	198.79	198.74	198.68	
MAX	199.04	199.78	200.57	201.32	200.08	202.98	205.60	199.71	199.07	198.81	198.89	198.77	205.60
MIN	198.76	198.72	199.04	199.08	198.90	199.29	199.76	199.08	198.82	198.78	198.70	198.63	198.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 205.68 M (MSL), AT 7.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 198.00 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 2906 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.70	1.90	7.90	7.90	4.25	8.30	156.00	16.70	4.55	1.60	1.26	1.26	
2	3.50	1.80	5.75	12.50	3.95	9.90	178.00	15.70	4.25	1.60	1.26	1.02	
3	3.10	2.00	4.85	11.30	3.50	39.75	167.76	14.70	3.95	1.50	1.26	0.86	
4	2.50	2.80	5.00	8.70	3.50	47.75	138.30	13.90	3.80	1.50	1.26	0.86	
5	2.00	2.10	4.10	7.70	3.30	56.75	100.80	13.70	3.65	1.50	1.18	0.78	
6	1.90	1.50	5.00	6.70	3.10	51.75	78.75	13.10	3.50	1.50	1.10	0.78	
7	1.80	1.18	7.30	5.45	2.80	25.75	72.25	12.50	3.40	1.50	1.10	0.63	
8	1.70	1.02	8.70	5.60	2.60	79.50	70.75	11.70	3.40	1.50	1.10	0.63	
9	1.60	0.94	19.90	5.45	2.50	95.08	85.00	11.30	3.40	1.50	1.02	0.63	
10	1.50	0.86	17.90	17.50	2.60	98.44	117.00	11.30	3.30	1.50	1.02	0.56	
11	1.50	0.86	15.30	12.70	2.90	87.52	109.50	10.50	3.20	1.42	1.02	0.56	
12	1.42	0.86	26.00	25.25	3.10	59.50	90.88	10.30	3.20	1.42	0.94	0.56	
13	1.90	1.26	36.75	55.50	3.95	42.75	84.50	10.70	2.90	1.42	0.94	0.56	
14	2.60	1.80	24.75	50.75	10.30	36.00	75.75	11.50	2.80	1.42	0.94	0.49	
15	2.60	1.18	16.70	21.10	7.70	48.00	72.50	11.10	2.80	1.42	0.86	0.42	
16	3.10	2.60	11.90	15.50	6.90	59.00	82.50	10.30	2.70	1.42	0.86	0.35	
17	2.70	1.90	9.30	12.90	7.90	55.75	80.00	10.10	2.60	1.42	0.94	0.35	
18	2.20	1.50	7.90	12.50	8.10	52.50	127.50	9.50	2.60	1.42	0.94	0.35	
19	2.00	1.42	7.10	12.70	6.90	43.50	134.40	8.50	2.60	1.42	0.86	0.28	
20	1.80	1.26	6.50	9.50	10.70	32.00	87.80	7.90	2.50	1.34	0.78	0.28	
21	1.42	1.60	5.90	7.70	22.50	28.00	62.00	7.10	2.50	1.34	0.70	0.28	
22	1.18	2.20	5.45	8.10	24.50	30.00	48.75	6.50	2.50	1.34	0.70	0.28	
23	1.18	2.50	5.30	9.70	15.50	24.75	37.50	6.05	2.40	1.34	0.70	0.35	
24	1.90	2.80	6.90	18.30	12.30	19.90	35.25	5.90	2.30	1.34	0.78	0.42	
25	2.10	3.50	10.10	11.70	10.10	36.25	31.50	5.75	2.00	1.34	0.94	0.94	
26	2.20	4.55	9.10	7.70	8.50	20.90	27.75	5.45	2.00	1.50	1.02	0.63	
27	4.10	4.85	11.70	6.50	12.50	18.30	24.50	5.30	1.90	1.50	2.40	0.63	
28	4.10	5.45	11.10	5.75	11.90	17.70	22.10	5.15	1.80	1.50	1.70	0.56	
29	3.20	18.10	8.10	5.45	8.10	36.00	20.50	4.85	1.80	1.50		0.35	
30	2.50	15.50	6.90	5.30	6.70	97.04	18.70	4.70	1.80	1.50		0.28	
31		12.70		4.70	7.10		17.70		1.70	1.50		0.21	
TOTAL	68.00	104.49	329.15	408.10	240.25	1358.33	2456.19	291.75	87.80	45.02	29.58	17.14	5435.80 CMSDAY
MEAN	2.27	3.37	10.97	13.16	7.75	45.28	79.23	9.73	2.83	1.45	1.06	0.55	14.89 CMS
MAX	4.10	18.10	36.75	55.50	24.50	98.44	178.00	16.70	4.55	1.60	2.40	1.26	178.00 CMS
MIN	1.18	0.86	4.10	4.70	2.50	8.30	17.70	4.70	1.70	1.34	0.70	0.21	0.21 CMS
RUNOFF	5.875	9.028	28.439	35.260	20.758	117.360	212.215	25.207	7.586	3.890	2.556	1.481	469.653 MCM

MOMENTARY PEAK 180.56 CMS, AT 205.68 M (MSL), AT 7.00 HOURS, ON OCT 2, 1984

RUNOFF YIELD 5.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 62.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

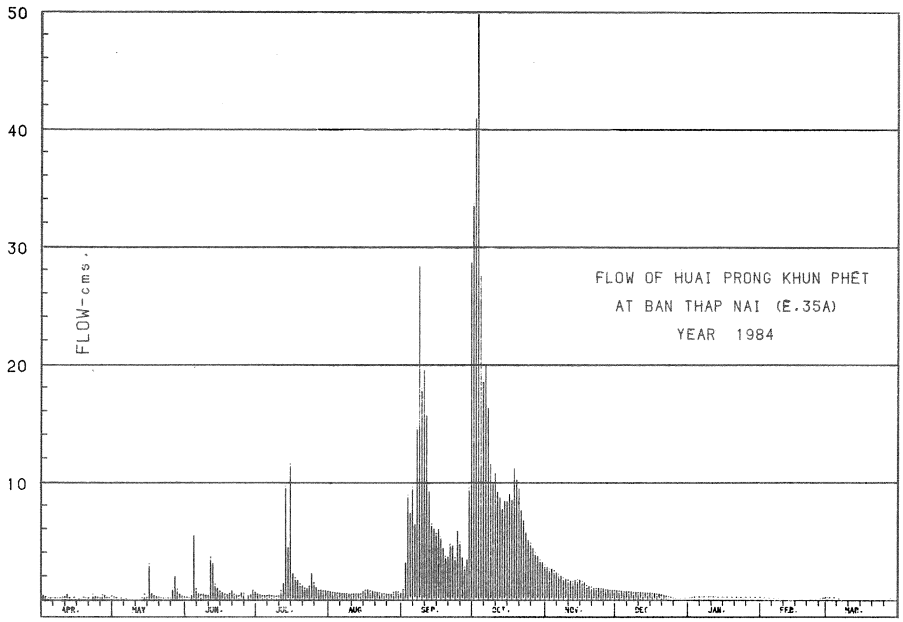
HUAI PRONG KHUN PHET AT BAN THAP NAI, CHAIYAPHUM (E.35A)

LOCATION	LAT. 15-44-27 N., LONG. 101-38-07 E., ON LEFT BANK ABOUT 6 KILOMETERS UPSTREAM FROM E.35 STATION AT BAN THAP NAI, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	422 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+216.534 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 - 1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 731 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	212.25	212.21	212.20	212.31	212.38	212.46	215.43	212.90	212.42	212.17	212.20	212.19	
2	212.22	212.18	212.19	212.27	212.36	212.97	215.81	212.87	212.41	212.20	212.17	212.19	
3	212.18	212.17	212.39	212.25	212.36	213.68	216.32	212.87	212.40	212.21	212.17	212.19	
4	212.17	212.17	213.31	212.25	212.34	213.52	215.07	212.84	212.39	212.21	212.17	212.19	
5	212.17	212.16	212.49	212.25	212.33	213.75	214.51	212.81	212.39	212.21	212.16	212.16	
6	212.17	212.15	212.31	212.26	212.32	213.41	214.59	212.78	212.39	212.21	212.15	212.14	
7	212.17	212.14	212.29	212.25	212.32	214.19	214.34	212.75	212.38	212.21	212.15	212.13	
8	212.17	212.14	212.29	212.23	212.32	215.12	213.93	212.72	212.36	212.21	212.15	212.13	
9	212.20	212.14	212.26	212.23	212.30	214.45	213.80	212.70	212.36	212.21	212.14	212.13	
10	212.21	212.14	212.25	212.24	212.30	214.56	213.86	212.68	212.36	212.21	212.14	212.13	
11	212.29	212.14	213.06	212.43	212.31	214.29	213.73	212.66	212.36	212.21	212.14	212.13	
12	212.19	212.14	212.96	212.60	212.31	213.71	213.66	212.65	212.35	212.21	212.14	212.13	
13	212.17	212.18	212.59	213.76	212.31	213.42	213.58	212.67	212.34	212.20	212.14	212.13	
14	212.19	212.31	212.50	213.18	212.31	213.37	213.63	212.68	212.34	212.20	212.14	212.13	
15	212.16	212.20	212.41	213.93	212.38	213.33	213.65	212.68	212.34	212.20	212.14	212.13	
16	212.14	212.96	212.35	212.79	212.44	213.37	213.69	212.65	212.33	212.20	212.13	212.13	
17	212.16	212.32	212.31	212.72	212.45	213.30	213.66	212.62	212.32	212.20	212.12	212.14	
18	212.20	212.25	212.28	212.67	212.42	213.17	213.90	212.56	212.31	212.20	212.12	212.15	
19	212.18	212.22	212.32	212.60	212.39	213.07	213.83	212.54	212.30	212.20	212.12	212.13	
20	212.17	212.20	212.41	212.55	212.37	213.06	213.74	212.53	212.28	212.20	212.11	212.13	
21	212.16	212.18	212.30	212.51	212.36	213.22	213.57	212.50	212.26	212.20	212.12	212.13	
22	212.30	212.17	212.26	212.48	212.35	213.20	213.45	212.50	212.24	212.20	212.13	212.13	
23	212.22	212.17	212.25	212.55	212.32	213.05	213.36	212.50	212.22	212.20	212.13	212.15	
24	212.20	212.17	212.34	212.79	212.32	213.35	213.26	212.49	212.20	212.20	212.14	212.15	
25	212.18	212.17	212.33	212.62	212.30	213.24	213.23	212.48	212.18	212.20	212.15	212.16	
26	212.28	212.52	211.32	212.51	212.29	213.05	213.17	212.46	212.16	212.20	212.14	212.17	
27	212.25	212.74	212.27	212.43	212.29	212.90	213.12	212.45	212.16	212.20	212.18	212.17	
28	212.19	212.47	212.27	212.44	212.37	213.02	213.07	212.44	212.16	212.20	212.19	212.16	
29	212.19	212.29	212.44	212.42	212.39	213.74	213.02	212.43	212.16	212.20		212.14	
30	212.24	212.23	212.37	212.41	212.38	215.14	212.98	212.43	212.16	212.20		212.12	
31		212.22		212.40	212.32		212.94		212.16	212.20		212.11	
MEAN	212.20	212.25	212.38	212.56	212.35	213.54	213.87	212.63	212.30	212.20	212.15	212.15	
MAX	212.30	212.96	213.31	213.93	212.45	215.14	216.32	212.90	212.42	212.21	212.20	212.19	216.32
MIN	212.14	212.14	211.32	212.23	212.29	212.46	212.94	212.43	212.16	212.17	212.11	212.11	211.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 214.59 M (MSL), AT 24.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 211.00 M (MSL), RIVER BED 211.15 M (MSL)
LEFT BANK ELEVATION 219.50 M (MSL)
RIGHT BANK ELEVATION 220.59 M (MSL), DRAINAGE AREA 422 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	0.29	0.26	0.53	0.71	0.90	33.67	2.80	0.80	0.19	0.26	0.24	
2	0.31	0.22	0.24	0.44	0.66	3.15	40.90	2.65	0.78	0.26	0.19	0.24	
3	0.22	0.19	0.73	0.39	0.66	8.90	51.54	2.65	0.75	0.29	0.19	0.24	
4	0.19	0.19	5.49	0.39	0.61	7.38	27.52	2.50	0.73	0.29	0.19	0.24	
5	0.19	0.17	0.98	0.39	0.58	9.60	18.75	2.35	0.73	0.29	0.17	0.17	
6	0.19	0.14	0.53	0.41	0.56	6.39	19.95	2.20	0.73	0.29	0.14	0.12	
7	0.19	0.12	0.49	0.39	0.56	14.68	16.52	2.05	0.71	0.29	0.14	0.09	
8	0.19	0.12	0.49	0.34	0.56	28.32	11.56	1.90	0.66	0.29	0.14	0.09	
9	0.26	0.12	0.41	0.34	0.51	17.95	10.10	1.80	0.66	0.29	0.12	0.09	
10	0.29	0.12	0.39	0.36	0.51	19.50	10.76	1.72	0.66	0.29	0.12	0.09	
11	0.49	0.12	3.66	0.83	0.53	15.88	9.40	1.64	0.66	0.29	0.12	0.09	
12	0.24	0.12	3.10	1.40	0.53	9.20	8.70	1.60	0.63	0.29	0.12	0.09	
13	0.19	0.22	1.36	9.70	0.53	6.48	7.92	1.68	0.61	0.26	0.12	0.09	
14	0.24	0.53	1.00	4.46	0.53	6.03	8.40	1.72	0.61	0.26	0.12	0.09	
15	0.17	0.26	0.78	11.56	0.71	5.67	8.60	1.72	0.61	0.26	0.12	0.09	
16	0.12	3.10	0.63	2.25	0.85	6.03	9.00	1.60	0.58	0.26	0.09	0.09	
17	0.17	0.56	0.53	1.90	0.88	5.40	8.70	1.48	0.56	0.26	0.07	0.12	
18	0.26	0.39	0.46	1.68	0.80	4.39	11.20	1.24	0.53	0.26	0.07	0.14	
19	0.22	0.31	0.56	1.40	0.73	3.72	10.43	1.16	0.51	0.26	0.07	0.09	
20	0.19	0.26	0.78	1.20	0.68	3.66	9.50	1.12	0.46	0.26	0.04	0.09	
21	0.17	0.22	0.51	1.04	0.66	4.76	7.83	1.00	0.41	0.26	0.07	0.09	
22	0.51	0.19	0.41	0.95	0.63	4.60	6.75	1.00	0.36	0.26	0.09	0.09	
23	0.31	0.19	0.39	1.20	0.56	3.60	5.94	1.00	0.31	0.26	0.09	0.14	
24	0.26	0.19	0.61	2.25	0.56	5.85	5.08	0.98	0.26	0.26	0.12	0.14	
25	0.22	0.19	0.58	1.48	0.51	4.92	4.84	0.95	0.22	0.26	0.14	0.17	
26	0.46	1.08	0.00	1.04	0.49	3.60	4.39	0.90	0.17	0.26	0.12	0.19	
27	0.39	2.00	0.44	0.83	0.49	2.80	4.04	0.88	0.17	0.26	0.22	0.19	
28	0.24	0.93	0.44	0.85	0.68	3.42	3.72	0.85	0.17	0.26	0.24	0.17	
29	0.24	0.49	0.85	0.80	0.73	9.50	3.42	0.83	0.17	0.26		0.12	
30	0.36	0.34	0.68	0.78	0.71	28.64	3.20	0.83	0.17	0.26		0.07	
31		0.31		0.75	0.56		3.00		0.17	0.26		0.04	
TOTAL	7.87	13.68	27.78	52.33	19.27	254.92	385.33	46.80	15.55	8.29	3.69	4.00	839.51 CMSDAY
MEAN	0.26	0.44	0.93	1.69	0.62	8.50	12.43	1.56	0.50	0.27	0.13	0.13	2.30 CMS
MAX	0.51	3.10	5.49	11.56	0.88	28.64	51.54	2.80	0.80	0.29	0.26	0.24	51.54 CMS
MIN	0.12	0.12	0.00	0.34	0.49	0.90	3.00	0.83	0.17	0.19	0.04	0.04	0.00 CMS
RUNOFF	0.680	1.182	2.400	4.521	1.665	22.025	33.293	4.044	1.344	0.716	0.319	0.346	72.534 MCM

MOMENTARY PEAK 19.95 CMS, AT 214.59 M (MSL), AT 24.00 HOURS, ON OCT 2, 1984
RUNOFF YIELD 5.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 47.27 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

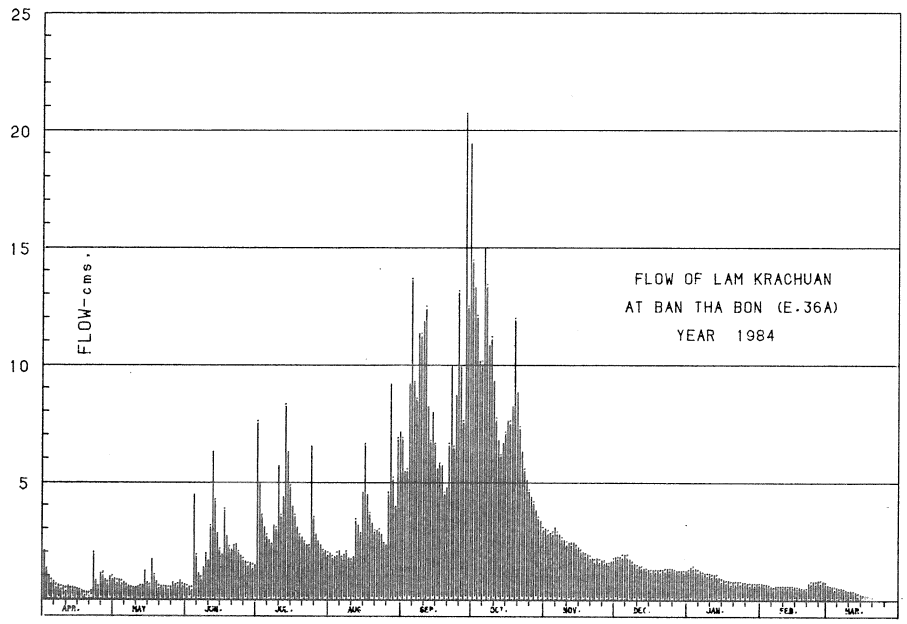
LAM KRACHUAN AT BAN THA BON, CHAIYAPHUM (E.36A)

LOCATION	LAT. 15-43-24 N., LONG. 101-40-04 E., ON RIGHT BANK ABOUT 2 KILOMETERS UPSTREAM FROM E.36 STATION AT BAN THA BON, KING AMPHOE NONG BUA RAHEO, CHAIYAPHUM.
DRAINAGE AREA	290 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+211.25 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ALONG THE MEASURING LINE.
ELEVATION	+217.647 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 729 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.52	213.28	213.21	214.12	213.50	214.06	214.66	213.69	213.47	213.36	213.23	213.21	
2	213.37	213.27	213.19	213.90	213.48	213.94	214.57	213.68	213.47	213.38	213.22	213.20	
3	213.31	213.27	213.19	213.76	213.47	213.95	214.48	213.66	213.47	213.39	213.22	213.19	
4	213.27	213.26	213.85	213.70	213.51	214.25	214.33	213.67	213.49	213.37	213.21	213.19	
5	213.25	213.24	213.49	213.65	213.52	214.60	214.33	213.70	213.49	213.36	213.19	213.18	
6	213.22	213.22	213.33	213.61	213.47	214.26	214.70	213.67	213.49	213.35	213.18	213.17	
7	213.21	213.20	213.30	213.58	213.49	214.20	214.58	213.65	213.45	213.34	213.20	213.17	
8	213.20	213.19	213.38	213.71	213.52	214.42	214.38	213.63	213.43	213.33	213.20	213.16	
9	213.19	213.18	213.50	213.70	213.46	214.42	214.41	213.61	213.41	213.33	213.20	213.14	
10	213.18	213.18	213.44	213.96	213.45	214.46	214.26	213.60	213.40	213.33	213.20	213.13	
11	213.20	213.19	213.71	213.76	213.47	214.51	214.13	213.59	213.39	213.32	213.20	213.13	
12	213.18	213.21	214.01	213.84	213.74	214.17	214.05	213.59	213.39	213.32	213.20	213.13	
13	213.18	213.21	213.83	214.18	213.71	214.05	214.00	213.59	213.37	213.32	213.20	213.11	
14	213.17	213.35	213.66	214.01	213.66	214.15	214.04	213.57	213.37	213.29	213.20	213.10	
15	213.16	213.24	213.54	213.89	213.86	214.04	214.08	213.55	213.36	213.28	213.19	213.08	
16	213.15	213.22	213.49	213.80	214.04	213.95	214.12	213.53	213.36	213.27	213.19	213.07	
17	213.13	213.45	213.79	213.76	213.85	213.97	214.12	213.51	213.36	213.26	213.18	213.06	
18	213.12	213.32	213.64	213.70	213.77	213.96	214.17	213.50	213.36	213.26	213.17	213.06	
19	213.11	213.25	213.56	213.65	213.72	213.86	214.47	213.49	213.36	213.25	213.16	213.05	
20	213.11	213.21	213.53	213.63	213.68	213.88	214.22	213.48	213.36	213.25	213.17	213.04	
21	213.13	213.20	213.57	213.60	213.68	214.04	214.10	213.46	213.36	213.25	213.23	213.03	
22	213.51	213.20	213.58	213.57	213.69	214.31	214.01	213.45	213.37	213.25	213.25	213.03	
23	213.26	213.20	213.52	213.57	213.65	214.03	213.95	213.46	213.37	213.25	213.25	213.02	
24	213.20	213.19	213.48	214.03	213.59	214.21	213.91	213.45	213.37	213.24	213.25	213.01	
25	213.33	213.19	213.46	213.75	213.57	214.56	213.87	213.44	213.37	213.24	213.26	213.00	
26	213.34	213.24	213.43	213.65	213.86	214.31	213.84	213.44	213.36	213.23	213.26	213.00	
27	213.27	213.22	213.42	213.60	214.25	214.12	213.82	213.42	213.35	213.23	213.25	212.96	
28	213.25	213.23	213.42	213.57	213.92	215.06	213.78	213.42	213.35	213.23	213.24	212.99	
29	213.30	213.26	213.41	213.53	213.80	214.51	213.75	213.43	213.35	213.23		212.99	
30	213.31	213.23	213.40	213.52	214.06	214.98	213.73	213.46	213.35	213.23		212.98	
31		213.22		213.51	214.08		213.70		213.35	213.23		212.98	
MEAN	213.24	213.24	213.51	213.74	213.69	214.24	214.15	213.55	213.39	213.29	213.21	213.08	
MAX	213.52	213.45	214.01	214.18	214.25	215.06	214.70	213.70	213.49	213.39	213.26	213.21	215.06
MIN	213.11	213.18	213.19	213.51	213.45	213.86	213.70	213.42	213.35	213.23	213.16	212.96	212.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 215.27 M (MSL), AT 19.00 HOURS, ON SEP 30, 1984
ZERO GAGE AT BOTTOM ELEVATION 211.25 M (MSL), RIVER BED 211.99 M (MSL)
LEFT BANK ELEVATION 220.10 M (MSL)
RIGHT BANK ELEVATION 219.56 M (MSL), DRAINAGE AREA 290 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.10	0.92	0.64	7.64	2.00	6.92	14.48	3.04	1.85	1.30	0.72	0.64	
2	1.35	0.88	0.57	5.00	1.90	5.48	13.31	2.98	1.85	1.40	0.68	0.60	
3	1.05	0.88	0.57	3.64	1.85	5.60	12.14	2.86	1.85	1.45	0.68	0.57	
4	0.88	0.84	4.50	3.10	2.05	9.20	10.19	2.92	1.95	1.35	0.64	0.57	
5	0.80	0.76	1.95	2.80	2.10	13.70	10.19	3.10	1.95	1.30	0.57	0.54	
6	0.68	0.68	1.15	2.56	1.85	9.32	15.00	2.92	1.95	1.25	0.54	0.51	
7	0.64	0.60	1.00	2.40	1.95	8.60	13.44	2.80	1.75	1.20	0.60	0.51	
8	0.60	0.57	1.40	3.19	2.10	11.36	10.84	2.68	1.65	1.15	0.60	0.48	
9	0.57	0.54	2.00	3.10	1.80	11.36	11.23	2.56	1.55	1.15	0.60	0.42	
10	0.54	0.54	1.70	5.72	1.75	11.88	9.32	2.50	1.50	1.15	0.60	0.39	
11	0.60	0.57	3.19	3.64	1.85	12.53	7.76	2.45	1.45	1.10	0.60	0.39	
12	0.54	0.64	6.32	4.40	3.46	8.24	6.80	2.45	1.45	1.10	0.60	0.39	
13	0.54	0.64	4.30	8.36	3.19	6.80	6.20	2.45	1.35	1.10	0.60	0.33	
14	0.51	1.25	2.86	6.32	2.86	8.00	6.68	2.35	1.35	0.96	0.60	0.30	
15	0.48	0.76	2.20	4.90	4.60	6.68	7.16	2.25	1.30	0.92	0.57	0.24	
16	0.45	0.68	1.95	4.00	6.68	5.60	7.64	2.15	1.30	0.88	0.57	0.21	
17	0.39	1.75	3.91	3.64	4.50	5.84	7.64	2.05	1.30	0.84	0.54	0.18	
18	0.36	1.10	2.74	3.10	3.73	5.72	8.24	2.00	1.30	0.84	0.51	0.18	
19	0.33	0.80	2.30	2.80	3.28	4.60	12.01	1.95	1.30	0.80	0.48	0.15	
20	0.33	0.64	2.15	2.68	2.98	4.80	8.84	1.90	1.30	0.80	0.51	0.12	
21	0.39	0.60	2.35	2.50	2.98	6.68	7.40	1.80	1.30	0.80	0.72	0.09	
22	2.05	0.60	2.40	2.35	3.04	9.93	6.32	1.75	1.35	0.80	0.80	0.09	
23	0.84	0.60	2.10	2.35	2.80	6.56	5.60	1.80	1.35	0.80	0.80	0.06	
24	0.60	0.57	1.90	6.56	2.45	8.72	5.12	1.75	1.35	0.76	0.80	0.03	
25	1.15	0.57	1.80	3.55	2.35	13.18	4.70	1.70	1.35	0.76	0.84	0.00	
26	1.20	0.76	1.65	2.80	4.60	9.93	4.40	1.70	1.30	0.72	0.84	0.00	
27	0.88	0.68	1.60	2.50	9.20	7.64	4.20	1.60	1.25	0.72	0.80	0.00	
28	0.80	0.72	1.60	2.35	5.24	20.74	3.82	1.60	1.25	0.72	0.76	0.00	
29	1.00	0.84	1.55	2.15	4.00	12.53	3.55	1.65	1.25	0.72		0.00	
30	1.05	0.72	1.50	2.10	6.92	19.42	3.37	1.80	1.25	0.72		0.00	
31		0.68		2.05	7.16		3.10		1.25	0.72		0.00	
TOTAL	23.70	23.38	65.85	114.25	107.22	277.56	250.69	67.51	45.50	30.28	18.17	7.99	1032.10 CMSDAY
MEAN	0.79	0.75	2.20	3.69	3.46	9.25	8.09	2.25	1.47	0.98	0.65	0.26	2.83 CMS
MAX	2.10	1.75	6.32	8.36	9.20	20.74	15.00	3.10	1.95	1.45	0.84	0.64	20.74 CMS
MIN	0.33	0.54	0.57	2.05	1.75	4.60	3.10	1.60	1.25	0.72	0.48	0.00	0.00 CMS
RUNOFF	2.048	2.020	5.689	9.871	9.264	23.981	21.660	5.833	3.931	2.616	1.570	0.690	89.173 MCM

MOMENTARY PEAK 24.53 CMS, AT 215.27 M (MSL), AT 19.00 HOURS, ON SEP 30, 1984
RUNOFF YIELD 9.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 84.59 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

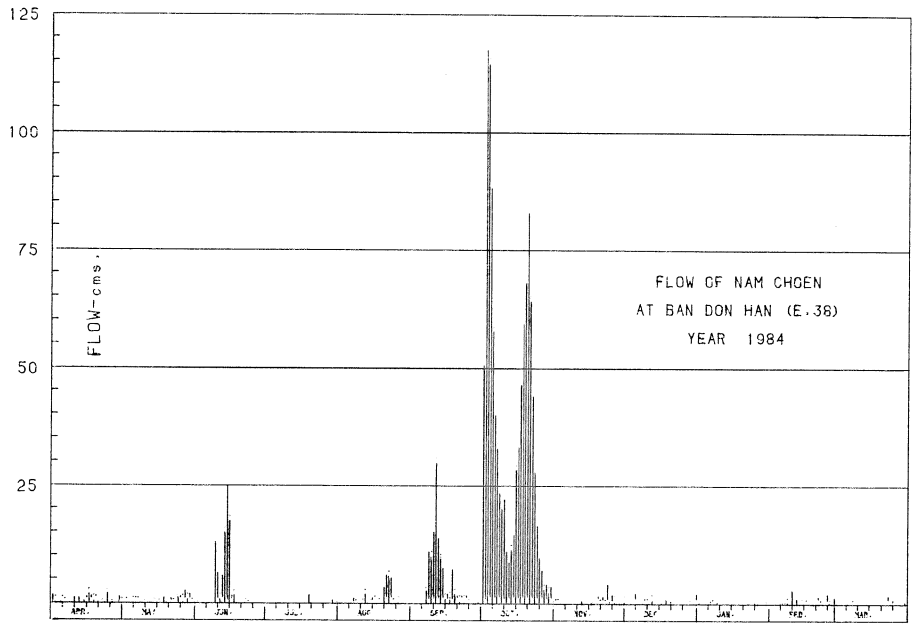
LAM NAM CHOEN AT BAN DON HAN, KHON KAEN (E.38)

LOCATION	LAT. 16-31-22 N., LONG. 102-02-03 E., ON RIGHT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM THE WIER, BAN DON HAN, AMPHOE CHUM PHAE, KHON KAEN.
DRAINAGE AREA	1,446 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+213.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+220.442 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1978
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1978
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 635 DISCHARGE MEASUREMENTS MADE DURING 1976-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.72	213.57	213.37	213.11	213.57	213.21	216.71	213.60	213.54	213.32	213.16	213.46	
2	213.68	213.58	213.27	213.12	213.23	213.20	219.31	213.60	213.54	213.19	213.16	213.46	
3	213.40	213.57	213.19	213.13	213.18	213.19	219.27	213.54	213.54	213.44	213.15	213.47	
4	213.55	213.58	213.21	213.15	213.29	213.24	218.42	213.53	213.63	213.51	213.16	213.46	
5	213.66	213.64	213.17	213.14	213.36	213.20	217.10	213.45	213.81	213.26	213.38	213.45	
6	213.55	213.63	213.26	213.44	213.27	213.39	216.17	213.44	213.67	213.45	213.33	213.06	
7	213.55	213.62	213.28	213.50	213.60	213.94	215.87	213.49	213.22	213.54	213.37	213.38	
8	213.15	213.06	213.26	213.37	213.50	214.56	215.31	213.41	213.31	213.59	213.64	213.53	
9	213.32	213.22	214.72	213.36	213.50	214.57	215.21	213.40	213.60	213.33	213.22	213.47	
10	213.80	213.46	214.23	213.32	213.51	214.84	215.24	213.37	213.60	213.24	213.90	213.20	
11	213.14	213.29	213.79	213.13	213.53	215.70	214.64	213.41	213.58	213.32	213.06	213.20	
12	213.63	213.30	214.18	213.34	213.89	214.75	214.41	213.68	213.77	213.19	213.63	213.49	
13	213.30	213.54	214.90	213.33	213.54	214.53	214.66	213.45	213.53	213.07	213.60	213.25	
14	213.45	213.54	215.38	213.34	213.51	214.32	214.80	213.43	213.53	213.06	213.60	213.33	
15	213.65	213.54	215.05	213.30	213.62	213.80	215.62	213.42	213.24	213.05	213.60	213.41	
16	213.90	213.47	213.70	213.32	213.70	213.80	215.82	213.64	213.42	213.05	213.55	213.41	
17	213.69	213.14	213.87	213.32	213.60	213.84	216.54	213.52	213.22	213.05	213.46	213.28	
18	213.74	213.75	213.48	213.09	213.58	214.30	217.13	213.48	213.58	213.09	213.48	213.20	
19	213.70	213.39	213.64	213.80	213.48	213.90	217.59	213.69	213.31	213.09	213.48	213.45	
20	213.29	213.11	213.46	213.46	214.03	213.71	218.20	213.55	213.56	213.10	213.48	213.56	
21	213.10	213.58	213.31	213.25	214.20	213.72	217.41	213.68	213.60	*213.08	213.67	213.06	
22	213.51	213.52	213.53	213.32	214.27	213.71	216.37	213.53	213.45	213.37	213.49	213.05	
23	213.50	213.24	213.40	213.08	214.14	213.73	215.61	214.00	213.39	213.21	213.49	213.72	
24	213.88	213.74	213.28	213.07	213.59	213.73	214.93	213.39	213.50	213.30	213.50	213.05	
25	213.24	213.68	213.35	213.24	213.61	213.52	214.56	213.75	213.45	213.60	213.78	213.53	
26	213.51	213.74	213.19	213.29	213.68	213.47	214.28	213.73	213.24	213.26	213.51	213.27	
27	213.51	213.86	213.13	213.31	213.15	213.64	214.00	213.56	213.47	213.26	213.41	213.06	
28	213.24	213.78	213.17	213.23	213.34	213.30	214.00	213.68	213.48	213.16	213.78	213.51	
29	213.66	213.77	213.21	213.67	213.34	213.41	213.95	213.61	213.47	213.25		213.12	
30	213.58	213.55	213.14	213.27	213.17	213.29	213.95	213.72	213.49	213.43		213.41	
31		213.42		213.52	213.16		213.41		213.80	213.16		213.41	
MEAN	213.52	213.51	213.64	213.30	213.55	213.85	215.82	213.56	213.50	213.26	213.47	213.35	
MAX	213.90	213.86	215.38	213.80	214.27	215.70	219.31	214.00	213.81	213.60	213.90	213.72	219.31
MIN	213.10	213.06	213.13	213.07	213.15	213.19	213.41	213.37	213.22	213.05	213.06	213.05	213.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 219.56 M (MSL), AT 18.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 213.00 M (MSL), RIVER BED 212.79 M (MSL)
LEFT BANK ELEVATION 220.34 M (MSL)
RIGHT BANK ELEVATION 220.35 M (MSL), DRAINAGE AREA 1446 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	0.91	0.31	0.00	0.91	0.01	50.70	1.00	0.82	0.16	0.00	0.58	
2	1.40	0.94	0.07	0.00	0.03	0.00	117.45	1.00	0.82	0.00	0.00	0.58	
3	0.40	0.91	0.00	0.00	0.00	0.00	115.65	0.82	0.82	0.52	0.00	0.61	
4	0.85	0.94	0.01	0.00	0.09	0.04	88.08	0.79	1.15	0.73	0.00	0.58	
5	1.30	1.20	0.00	0.00	0.28	0.00	58.60	0.55	2.10	0.06	0.34	0.55	
6	0.85	1.15	0.06	0.52	0.07	0.37	39.90	0.52	1.35	0.55	0.19	0.00	
7	0.85	1.10	0.08	0.70	1.00	3.40	34.03	0.67	0.02	0.82	0.31	0.34	
8	0.00	0.00	0.06	0.31	0.70	10.90	23.39	0.43	0.13	0.97	1.20	0.79	
9	0.16	0.02	13.30	0.28	0.70	11.05	21.49	0.40	1.00	0.19	0.02	0.61	
10	2.00	0.58	6.36	0.16	0.73	15.10	22.06	0.31	1.00	0.04	3.00	0.00	
11	0.00	0.09	1.95	0.00	0.79	30.80	12.10	0.43	0.94	0.16	0.00	0.00	
12	1.15	0.10	5.80	0.22	2.90	13.75	8.65	1.40	1.85	0.00	1.15	0.67	
13	0.10	0.82	16.00	0.19	0.82	10.45	12.40	0.55	0.79	0.00	1.00	0.05	
14	0.55	0.82	24.72	0.22	0.73	7.46	14.50	0.49	0.79	0.00	1.00	0.19	
15	1.25	0.82	18.45	0.10	1.10	2.00	29.28	0.46	0.04	0.00	1.00	0.43	
16	3.00	0.61	1.50	0.16	1.50	2.00	33.08	1.20	0.46	0.00	0.85	0.43	
17	1.45	0.00	2.70	0.16	1.00	2.40	47.30	0.76	0.02	0.00	0.58	0.08	
18	1.70	1.75	0.64	0.00	0.94	7.20	59.23	0.64	0.94	0.00	0.64	0.00	
19	1.50	0.37	1.20	2.00	0.64	3.00	68.98	1.45	0.13	0.00	0.64	0.55	
20	0.09	0.00	0.58	0.58	4.30	1.55	82.80	0.85	0.88	0.00	0.64	0.88	
21	0.00	0.94	0.13	0.05	6.00	1.60	65.11	1.40	1.00	0.00	1.35	0.00	
22	0.73	0.76	0.79	0.16	6.84	1.55	43.90	0.79	0.55	0.31	0.67	0.00	
23	0.70	0.04	0.40	0.00	5.40	1.65	29.09	4.00	0.37	0.01	0.67	1.60	
24	2.80	1.70	0.08	0.00	0.97	1.65	16.45	0.37	0.70	0.10	0.70	0.00	
25	0.04	1.40	0.25	0.04	1.05	0.76	10.90	1.75	0.55	1.00	1.90	0.79	
26	0.73	1.70	0.00	0.09	1.40	0.61	6.96	1.65	0.04	0.06	0.73	0.07	
27	0.73	2.60	0.00	0.13	0.00	1.20	4.00	0.88	0.61	0.06	0.43	0.00	
28	0.04	1.90	0.00	0.03	0.22	0.10	4.00	1.40	0.64	0.00	1.90	0.73	
29	1.30	1.85	0.01	1.35	0.22	0.43	3.50	1.05	0.61	0.05		0.00	
30	0.94	0.85	0.00	0.07	0.00	0.09	3.50	1.60	0.67	0.49		0.43	
31		0.46		0.76	0.00		0.43		2.00	0.00		0.43	
TOTAL	28.21	27.33	95.45	8.28	41.33	131.12	1127.51	29.61	23.79	6.28	20.91	11.97	1551.79 CMSDAY
MEAN	0.94	0.88	3.18	0.27	1.33	4.37	36.37	0.99	0.77	0.20	0.75	0.39	4.25 CMS
MAX	3.00	2.60	24.72	2.00	6.84	30.80	117.45	4.00	2.10	1.00	3.00	1.60	117.45 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.31	0.02	0.00	0.00	0.00	0.00 CMS
RUNOFF	2.437	2.361	8.247	0.715	3.571	11.329	97.417	2.558	2.055	0.543	1.807	1.034	134.075 MCM

MOMENTARY PEAK 130.60 CMS, AT 219.56 M (MSL), AT 18.00 HOURS, ON OCT 2, 1984
RUNOFF YIELD 2.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 90.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

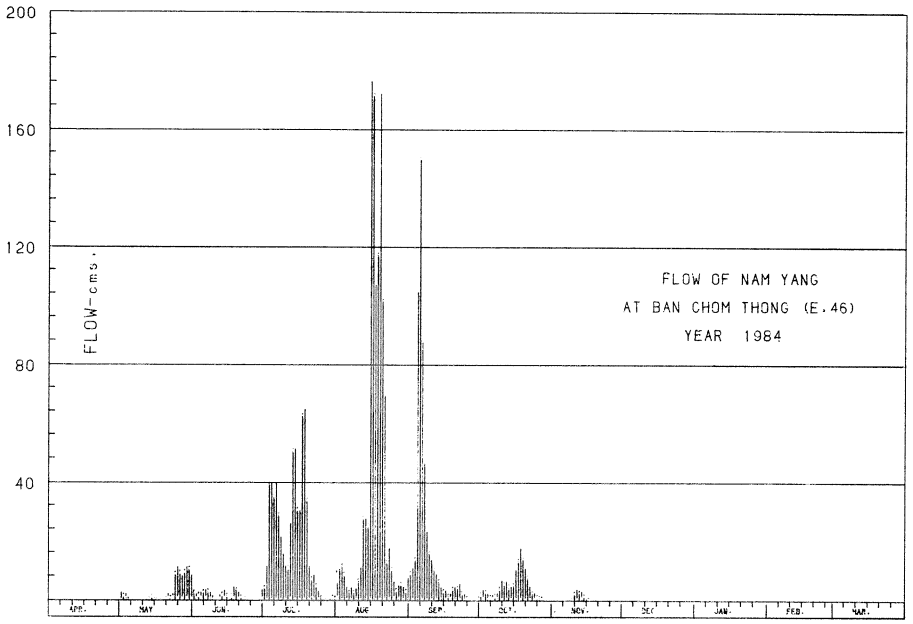
NAM YANG AT BAN CHOM THONG, KALASIN (E.46)

LOCATION	LAT. 16-36-06 N., LONG. 103-58-01 E., ON LEFT BANK AT HIGHWAY BRIDGE, BAN CHOM THONG, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	502 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.485 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968-1971, 1984 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.15 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	1.34	1.67	2.20	2.42	3.28	1.38	0.53	0.35	0.27	0.25	0.31	
2	0.22	1.19	1.07	3.60	3.59	3.48	1.70	0.53	0.33	0.27	0.26	0.30	
3	0.22	1.11	1.36	4.09	3.68	3.75	1.68	0.53	0.33	0.26	0.25	0.29	
4	0.22	0.66	1.35	4.09	3.19	4.47	1.19	0.52	0.36	0.26	0.23	0.28	
5	0.23	0.54	1.73	4.05	2.05	4.62	1.01	0.52	0.34	0.26	0.24	0.26	
6	0.23	0.46	1.68	4.09	1.67	4.40	1.02	0.51	0.37	0.25	0.23	0.25	
7	0.22	0.40	1.83	3.99	1.96	4.15	1.19	0.50	0.39	0.28	0.25	0.25	
8	0.21	0.36	1.28	3.90	1.64	3.92	1.22	0.49	0.38	0.28	0.28	0.25	
9	0.20	0.38	0.85	3.82	1.88	3.81	2.13	0.60	0.36	0.28	0.28	0.25	
10	0.21	0.30	0.61	3.61	2.77	3.72	2.66	1.47	0.33	0.28	0.27	0.24	
11	0.20	0.37	0.57	3.62	3.51	3.48	2.49	1.76	0.35	0.27	0.25	0.24	
12	0.19	0.43	1.00	3.95	3.98	3.07	2.58	1.64	0.34	0.25	0.25	0.24	
13	0.18	0.70	1.41	4.18	3.97	2.73	2.32	1.48	0.34	0.26	0.27	0.24	
14	0.21	1.04	1.62	4.18	3.95	2.03	2.11	1.12	0.29	0.25	0.26	0.23	
15	0.23	0.73	1.23	4.01	4.68	1.82	2.42	0.83	0.32	0.29	0.26	0.23	
16	0.22	0.57	0.92	4.00	4.67	1.59	3.36	0.66	0.31	0.30	0.28	0.23	
17	0.22	0.51	1.12	4.26	4.48	1.19	3.74	0.58	0.29	0.27	0.26	0.22	
18	0.22	0.54	2.07	4.27	4.52	1.17	3.83	0.53	0.30	0.26	0.27	0.21	
19	0.22	0.68	1.95	4.04	4.67	2.13	3.75	0.50	0.33	0.25	0.26	0.21	
20	0.21	0.76	1.38	3.60	4.46	2.06	3.47	0.44	0.32	0.25	0.26	0.21	
21	0.21	1.15	0.97	2.90	4.30	2.17	2.98	0.47	0.28	0.24	0.25	0.21	
22	0.20	0.92	0.81	3.02	3.72	2.35	2.11	0.43	0.31	0.24	0.24	0.20	
23	0.19	1.12	0.75	2.38	3.83	1.56	1.51	0.40	0.29	0.23	0.26	0.21	
24	0.21	3.25	0.68	1.50	3.54	1.13	1.25	0.40	0.30	0.22	0.30	0.21	
25	0.21	3.56	0.60	0.91	2.56	0.89	1.05	0.37	0.28	0.25	0.37	0.21	
26	0.21	3.33	0.53	0.72	1.93	0.74	0.89	0.37	0.27	0.25	0.33	0.21	
27	0.21	2.95	0.53	0.60	2.20	0.65	0.79	0.35	0.28	0.28	0.35	0.22	
28	0.20	3.38	0.54	0.55	2.53	0.58	0.70	0.35	0.29	0.28	0.35	0.21	
29	0.20	3.58	0.80	0.88	2.07	0.59	0.62	0.36	0.28	0.27		0.22	
30	0.28	3.59	1.71	1.01	1.84	0.82	0.60	0.35	0.27	0.26		0.21	
31		3.01		0.85	2.80		0.57		0.27	0.25		0.20	
MEAN	0.21	1.38	1.15	3.00	3.20	2.41	1.88	0.65	0.32	0.26	0.27	0.23	
MAX	0.28	3.59	2.07	4.27	4.68	4.62	3.83	1.76	0.39	0.30	0.37	0.31	4.68
MIN	0.18	0.30	0.53	0.55	1.64	0.58	0.57	0.35	0.27	0.22	0.23	0.20	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.77 M (A.D), AT 12.00 HOURS, ON AUG 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 5.19 M (A.D)
RIGHT BANK ELEVATION 3.04 M (A.D), DRAINAGE AREA 502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	2.60	3.43	4.90	5.78	9.90	2.70	0.57	0.22	0.12	0.10	0.16	
2	0.07	2.23	1.93	11.50	11.45	10.90	3.50	0.57	0.20	0.12	0.11	0.15	
3	0.07	2.03	2.65	39.95	12.70	14.50	3.45	0.57	0.20	0.11	0.10	0.14	
4	0.07	0.90	2.63	39.95	9.45	104.65	2.23	0.55	0.24	0.11	0.08	0.13	
5	0.08	0.60	3.58	35.75	4.45	150.60	1.78	0.55	0.21	0.11	0.09	0.11	
6	0.08	0.42	3.45	39.95	3.43	87.50	1.80	0.52	0.26	0.10	0.08	0.10	
7	0.07	0.30	3.83	29.60	4.18	47.50	2.23	0.50	0.29	0.13	0.10	0.10	
8	0.06	0.24	2.45	21.50	3.35	23.30	2.30	0.48	0.27	0.13	0.13	0.10	
9	0.05	0.27	1.38	17.10	3.95	16.55	4.63	0.75	0.24	0.13	0.13	0.10	
10	0.06	0.15	0.78	11.65	7.35	13.60	6.80	2.93	0.20	0.13	0.12	0.09	
11	0.05	0.26	0.68	11.80	11.05	10.90	6.06	3.65	0.22	0.12	0.10	0.09	
12	0.04	0.36	1.75	26.00	28.70	8.85	6.42	3.35	0.21	0.10	0.10	0.09	
13	0.04	1.00	2.78	51.40	27.80	7.15	5.38	2.95	0.21	0.11	0.12	0.09	
14	0.06	1.85	3.30	51.40	26.00	4.39	4.63	2.05	0.14	0.10	0.11	0.08	
15	0.08	1.08	2.33	31.55	176.40	3.80	5.78	1.33	0.18	0.14	0.11	0.08	
16	0.07	0.68	1.55	30.50	172.10	3.23	10.30	0.90	0.16	0.15	0.13	0.08	
17	0.07	0.52	2.05	63.30	107.10	2.23	14.20	0.70	0.14	0.12	0.11	0.07	
18	0.07	0.60	4.51	64.85	118.00	2.18	17.65	0.57	0.15	0.11	0.12	0.06	
19	0.07	0.95	4.15	34.70	172.10	4.69	14.50	0.50	0.20	0.10	0.11	0.06	
20	0.06	1.15	2.70	11.50	102.20	4.48	10.85	0.38	0.18	0.10	0.11	0.06	
21	0.06	2.13	1.68	8.00	69.50	4.81	8.40	0.44	0.13	0.09	0.10	0.06	
22	0.05	1.55	1.28	8.60	13.60	5.50	4.63	0.36	0.16	0.09	0.09	0.05	
23	0.04	2.05	1.13	5.62	17.65	3.15	3.03	0.30	0.14	0.08	0.11	0.06	
24	0.06	9.75	0.95	3.00	11.20	2.08	2.38	0.30	0.15	0.07	0.15	0.06	
25	0.06	11.30	0.75	1.53	6.34	1.48	1.87	0.26	0.13	0.10	0.26	0.06	
26	0.06	10.15	0.57	1.05	4.09	1.10	1.48	0.26	0.12	0.10	0.20	0.06	
27	0.06	8.25	0.57	0.75	4.90	0.87	1.23	0.22	0.13	0.13	0.22	0.07	
28	0.05	10.40	0.60	0.63	6.22	0.70	1.00	0.22	0.14	0.13	0.22	0.06	
29	0.05	11.40	1.25	1.45	4.51	0.72	0.80	0.24	0.13	0.12		0.07	
30	0.13	11.45	3.53	1.78	3.85	1.30	0.75	0.22	0.12	0.11		0.06	
31		8.55		1.38	7.50		0.68		0.12	0.10		0.05	
TOTAL	1.92	105.17	64.22	662.64	1156.90	552.61	153.50	27.19	5.59	3.46	3.51	2.60	2739.31 CMSDAY
MEAN	0.06	3.39	2.14	21.38	37.32	18.42	4.95	0.91	0.18	0.11	0.13	0.08	7.50 CMS
MAX	0.13	11.45	4.51	64.85	176.40	150.60	17.65	3.65	0.29	0.15	0.26	0.16	176.40 CMS
MIN	0.04	0.15	0.57	0.63	3.35	0.70	0.68	0.22	0.12	0.07	0.08	0.05	0.04 CMS
RUNOFF	0.166	9.087	5.549	57.252	99.956	47.745	13.262	2.349	0.483	0.299	0.303	0.225	236.676 MCM

MOMENTARY PEAK 230.50 CMS, AT 4.77 M (A.D), AT 12.00 HOURS, ON AUG 15, 1984

RUNOFF YIELD 14.95 LITERS/SECOND/SQUARE KM, **MOMENTARY PEAK YIELD** 459.16 LITERS/SECOND/SQUARE KM

E.49 19840101 3.30 3.27 3.47 3.44 3.40 3.34 3.31 3.32 3.31 3.30 DATA ERROR

WATER YEAR 1984

CHI RIVER BASIN

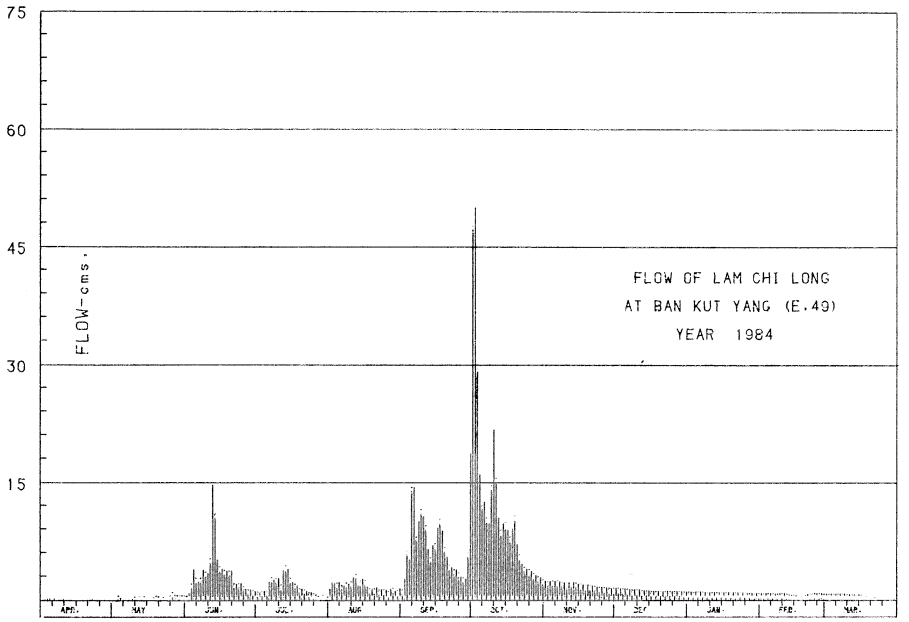
LAM CHI LONG AT BAN KUT YANG, CHAIYAPHUM (E.49)

LOCATION	LAT. 15-49-31 N., LONG. 101-51-01 E., ON LEFT BANK AT BAN KUT YANG, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	265 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+196.06 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF STATION OFFICE.
ELEVATION	+205.180 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1970, 1980 - 1984.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1970, 1980 - 1984.
STABILITY OF CHANNEL REGIMES	UNSTABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 203.40 M.(M.S.L.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 140 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	199.36	199.38	200.06	201.58	201.63	201.62	203.33	201.77	201.65	201.58	201.55	201.54	
2	199.33	199.64	200.36	201.56	201.82	201.80	203.35	201.76	201.65	201.58	201.55	201.54	
3	199.53	200.11	201.14	201.59	201.73	202.13	203.12	201.76	201.64	201.57	201.55	201.54	
4	199.50	199.61	201.59	201.59	201.74	202.04	202.77	201.77	201.64	201.58	201.55	201.54	
5	199.46	199.47	201.33	201.59	201.75	202.70	202.56	201.77	201.64	201.58	201.55	201.54	
6	199.40	199.40	201.21	201.75	201.70	202.70	202.59	201.77	201.63	201.58	201.55	201.54	
7	199.37	199.33	201.34	201.82	201.69	202.28	202.46	201.76	201.62	201.58	201.54	201.54	
8	199.38	199.29	201.57	201.79	201.74	202.43	202.41	201.75	201.62	201.57	201.54	201.54	
9	199.37	199.54	201.52	201.81	201.72	202.53	202.71	201.74	201.62	201.57	201.55	201.54	
10	199.36	199.93	201.49	201.81	201.76	202.47	202.96	201.74	201.62	201.57	201.55	201.53	
11	199.39	199.94	201.79	201.71	201.82	202.39	202.75	201.74	201.62	201.57	201.55	201.53	
12	199.38	199.97	202.60	201.91	201.86	202.15	202.46	201.76	201.61	201.57	201.54	201.53	
13	199.39	199.98	202.36	201.97	201.69	202.06	202.35	201.75	201.60	201.57	201.53	201.53	
14	199.34	199.98	201.77	201.93	201.77	202.19	202.41	201.74	201.60	201.57	201.52	201.52	
15	199.36	199.97	201.65	201.81	201.80	202.21	202.42	201.72	201.60	201.57	201.52	201.53	
16	199.37	199.91	201.60	201.75	201.78	202.37	202.35	201.72	201.59	201.57	201.51	201.52	
17	199.37	199.92	201.57	201.72	201.67	202.45	202.28	201.71	201.59	201.57	201.50	201.50	
18	199.37	199.77	201.55	201.69	201.64	202.34	202.36	201.71	201.59	201.57	201.49	201.49	
19	199.34	200.08	201.55	201.64	201.63	202.17	202.48	201.71	201.59	201.57	201.50	201.47	
20	199.31	199.97	201.55	201.63	201.64	202.07	202.20	201.70	201.59	201.57	201.51	201.41	
21	199.36	200.00	201.73	201.62	201.66	201.98	202.09	201.69	201.59	201.56	201.53	201.45	
22	199.43	199.88	201.72	201.59	201.62	201.95	201.99	201.68	201.59	201.56	201.54	201.46	
23	199.43	199.93	201.73	201.57	201.62	201.92	201.95	201.67	201.59	201.57	201.54	201.46	
24	199.71	200.00	201.73	201.57	201.62	201.92	201.93	201.67	201.59	201.56	201.55	201.45	
25	199.71	200.06	201.68	201.55	201.61	201.88	201.92	201.66	201.59	201.56	201.55	201.44	
26	199.54	200.52	201.63	201.53	201.59	201.83	201.90	201.66	201.59	201.55	201.55	201.44	
27	199.51	200.17	201.62	201.50	201.63	201.82	201.87	201.66	201.59	201.55	201.55	201.44	
28	199.43	200.12	201.62	201.50	201.65	201.80	201.85	201.65	201.59	201.55	201.54	201.43	
29	199.40	200.09	201.61	201.52	201.59	202.11	201.83	201.64	201.58	201.55		201.43	
30	199.43	200.09	201.59	201.50	201.61	202.87	201.82	201.65	201.58	201.55		201.41	
31		200.08		201.48	201.64		201.79		201.58	201.55		201.41	
MEAN	199.42	199.88	201.54	201.66	201.69	202.17	202.36	201.72	201.61	201.57	201.54	201.49	
MAX	199.71	200.52	202.60	201.97	201.86	202.87	203.35	201.77	201.65	201.58	201.55	201.54	203.35
MIN	199.31	199.29	200.06	201.48	201.59	201.62	201.79	201.64	201.58	201.55	201.49	201.41	199.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 203.40 M (MSL), AT 6.00 HOURS, ON OCT 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 196.06 M (MSL), RIVER BED 198.88 M (MSL)
LEFT BANK ELEVATION 203.56 M (MSL)
RIGHT BANK ELEVATION 203.21 M (MSL), DRAINAGE AREA 265 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.14	0.56	1.06	1.41	1.34	47.60	2.46	1.55	1.06	0.85	0.78	
2	0.11	0.27	0.86	0.92	2.90	2.70	50.00	2.38	1.55	1.06	0.85	0.78	
3	0.21	0.61	2.12	1.13	2.14	6.26	29.52	2.38	1.48	0.99	0.85	0.78	
4	0.20	0.26	3.95	1.13	2.22	5.18	16.01	2.46	1.48	1.06	0.85	0.78	
5	0.18	0.19	2.82	1.13	2.30	14.40	12.06	2.46	1.48	1.06	0.85	0.78	
6	0.15	0.15	2.34	2.30	1.90	14.40	12.54	2.46	1.41	1.06	0.85	0.78	
7	0.13	0.11	2.86	2.90	1.83	8.06	10.50	2.38	1.34	1.06	0.78	0.78	
8	0.14	0.09	3.85	2.62	2.22	10.05	9.75	2.30	1.34	0.99	0.78	0.78	
9	0.13	0.22	3.60	2.80	2.06	11.58	14.63	2.22	1.34	0.99	0.85	0.78	
10	0.13	0.43	3.46	2.80	2.38	10.65	21.72	2.22	1.34	0.99	0.85	0.71	
11	0.14	0.44	5.32	1.98	2.90	9.47	15.55	2.22	1.34	0.99	0.85	0.71	
12	0.14	0.47	14.70	3.80	3.30	6.50	10.50	2.38	1.27	0.99	0.78	0.71	
13	0.14	0.48	10.98	4.40	1.83	5.42	8.95	2.30	1.20	0.99	0.71	0.71	
14	0.12	0.48	5.16	4.00	2.46	6.98	9.75	2.22	1.20	0.99	0.64	0.64	
15	0.13	0.47	4.30	2.80	2.70	7.22	9.90	2.06	1.20	0.99	0.64	0.71	
16	0.13	0.41	4.00	2.30	2.54	9.21	8.95	2.06	1.13	0.99	0.57	0.64	
17	0.13	0.42	3.85	2.06	1.69	10.35	8.06	1.98	1.13	0.99	0.50	0.50	
18	0.13	0.34	3.75	1.83	1.48	8.82	9.08	1.98	1.13	0.99	0.45	0.45	
19	0.12	0.58	3.75	1.48	1.41	6.74	10.80	1.98	1.13	0.99	0.50	0.35	
20	0.10	0.47	3.75	1.41	1.48	5.54	7.10	1.90	1.13	0.99	0.57	0.05	
21	0.13	0.50	2.14	1.34	1.62	4.50	5.78	1.83	1.13	0.92	0.71	0.25	
22	0.16	0.39	2.06	1.13	1.34	4.20	4.60	1.76	1.13	0.92	0.78	0.30	
23	0.16	0.43	2.14	0.99	1.34	3.90	4.20	1.69	1.13	0.99	0.78	0.30	
24	0.30	0.50	2.14	0.99	1.34	3.90	4.00	1.69	1.13	0.92	0.85	0.25	
25	0.30	0.56	1.76	0.85	1.27	3.50	3.90	1.62	1.13	0.92	0.85	0.20	
26	0.22	1.02	1.41	0.71	1.13	3.00	3.70	1.62	1.13	0.85	0.85	0.20	
27	0.20	0.67	1.34	0.50	1.41	2.90	3.40	1.62	1.13	0.85	0.85	0.20	
28	0.16	0.62	1.34	0.50	1.55	2.70	3.20	1.55	1.13	0.85	0.78	0.15	
29	0.15	0.59	1.27	0.64	1.13	6.02	3.00	1.48	1.06	0.85		0.15	
30	0.16	0.59	1.13	0.50	1.27	18.66	2.90	1.55	1.06	0.85		0.05	
31		0.58		0.40	1.48		2.62		1.06	0.85		0.05	
TOTAL	4.73	13.48	102.71	53.40	58.03	214.15	364.27	61.21	38.39	29.99	21.02	15.30	976.68 CMSDAY
MEAN	0.16	0.43	3.42	1.72	1.87	7.14	11.75	2.04	1.24	0.97	0.75	0.49	2.68 CMS
MAX	0.30	1.02	14.70	4.40	3.30	18.66	50.00	2.46	1.55	1.06	0.85	0.78	50.00 CMS
MIN	0.10	0.09	0.56	0.40	1.13	1.34	2.62	1.48	1.06	0.85	0.45	0.05	0.05 CMS
RUNOFF	0.409	1.165	8.874	4.614	5.014	18.503	31.473	5.289	3.317	2.591	1.816	1.322	84.385 MCM

MOMENTARY PEAK 56.00 CMS, AT 203.40 M (MSL), AT 6.00 HOURS, ON OCT 2, 1984

RUNOFF YIELD 10.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 211.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

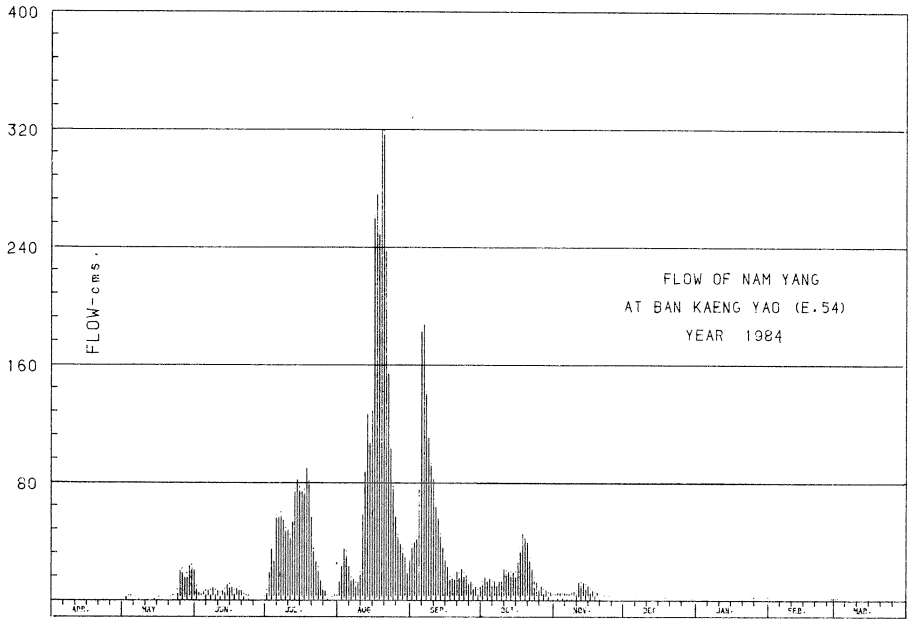
NAM YANG AT BAN KAENG YAO, KALASIN (E.54)

LOCATION	LAT. 16-26-29 N., LONG. 104-02-07 E., ON LEFT BANK AT BAN KAENG YAO ABOUT 2 KILOMETERS DOWNSTREAM FROM PROPOSED OF USBR DAMSITE, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	1,511 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+11.648 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1977, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1977, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.83	0.90	1.70	1.59	1.79	2.63	1.81	1.41	1.15	0.97	1.11	0.94	
2	0.81	1.33	1.46	2.01	2.24	2.66	1.90	1.45	1.15	0.86	1.11	0.93	
3	0.85	1.34	1.39	2.61	2.54	2.80	1.94	1.45	1.15	0.91	1.11	0.96	
4	0.79	1.34	1.49	2.26	2.50	3.60	1.87	1.43	1.12	0.97	1.11	0.94	
5	0.80	1.24	1.56	3.18	2.15	5.71	1.82	1.44	1.13	0.93	1.10	0.92	
6	0.79	1.15	1.54	3.13	1.91	5.74	1.81	1.41	1.15	0.99	1.10	0.84	
7	0.79	1.07	1.59	3.22	1.85	4.97	1.81	1.40	1.13	0.97	1.05	0.91	
8	0.76	1.01	1.63	3.08	1.79	4.39	1.80	1.45	1.13	0.95	1.02	0.89	
9	0.76	0.94	1.58	2.95	1.78	4.03	1.91	1.50	1.10	0.99	1.00	0.96	
10	0.77	0.90	1.53	2.90	2.04	3.77	2.08	1.57	1.10	1.00	1.05	0.90	
11	0.78	0.90	1.50	2.82	3.17	3.37	2.06	1.78	1.07	0.98	1.06	0.83	
12	0.82	0.87	1.52	3.05	3.93	3.11	2.02	1.79	1.06	0.95	1.04	0.83	
13	0.82	0.86	1.62	3.62	4.69	2.84	2.04	1.77	1.05	0.97	1.02	0.87	
14	0.81	1.10	1.71	3.76	4.35	2.56	2.00	1.74	1.08	1.00	1.00	0.82	
15	0.80	1.28	1.75	3.65	4.73	2.37	2.03	1.69	1.08	0.99	1.02	0.86	
16	0.83	1.20	1.65	3.56	6.80	2.14	2.23	1.62	1.04	0.97	1.06	0.85	
17	0.88	1.13	1.58	3.60	7.01	1.93	2.55	1.53	1.08	0.98	1.09	0.85	
18	0.88	1.13	1.61	3.95	6.66	1.87	2.83	1.52	1.08	0.98	1.02	0.83	
19	0.89	1.12	1.67	3.74	7.59	1.96	2.86	1.46	1.02	0.98	0.90	0.83	
20	0.88	1.20	1.54	3.13	7.59	2.03	2.66	1.42	1.04	1.00	0.91	0.82	
21	0.84	1.24	1.43	2.55	6.46	2.00	2.36	1.35	1.04	1.02	0.91	0.81	
22	0.83	1.37	1.36	2.26	5.22	2.09	2.08	1.34	1.05	0.97	0.88	0.81	
23	0.85	1.29	1.33	2.14	4.24	2.02	1.90	1.33	1.05	0.98	0.90	0.82	
24	0.86	1.59	1.28	1.82	3.65	1.94	1.79	1.30	1.00	1.13	0.89	0.82	
25	0.88	2.05	1.27	1.67	3.14	1.84	1.70	1.26	0.96	1.11	0.89	0.85	
26	0.90	2.11	1.20	1.53	2.82	1.80	1.67	1.24	1.02	1.08	0.88	0.82	
27	0.89	1.90	1.15	1.36	2.63	1.73	1.61	1.21	0.97	1.12	0.97	0.81	
28	0.86	2.00	1.15	1.26	2.54	1.66	1.56	1.18	0.98	1.12	0.95	0.80	
29	0.86	2.16	1.18	1.19	2.35	1.59	1.49	1.17	0.97	1.13		0.81	
30	0.89	2.19	1.26	1.35	2.08	1.66	1.47	1.16	0.95	1.15		0.81	
31		2.06		1.33	2.28		1.42		0.94	1.12		0.82	
MEAN	0.83	1.35	1.47	2.59	3.69	2.76	1.97	1.45	1.06	1.01	1.01	0.86	
MAX	0.90	2.19	1.75	3.95	7.59	5.74	2.86	1.79	1.15	1.15	1.11	0.96	7.59
MIN	0.76	0.86	1.15	1.19	1.78	1.59	1.42	1.16	0.94	0.86	0.88	0.80	0.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.72 M (A.D), AT 6.00 HOURS, ON AUG 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.26 M (A.D)
LEFT BANK ELEVATION 8.52 M (A.D)
RIGHT BANK ELEVATION 8.42 M (A.D), DRAINAGE AREA 1511 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	1.00	10.00	7.30	12.25	38.05	12.80	4.15	2.25	1.35	2.05	1.20	
2	0.55	3.30	4.90	18.80	25.70	39.10	15.50	4.75	2.25	0.80	2.05	1.15	
3	0.75	3.40	3.90	37.35	34.90	44.00	16.70	4.75	2.25	1.05	2.05	1.30	
4	0.45	3.40	5.35	26.30	33.50	75.33	14.60	4.45	2.10	1.35	2.05	1.20	
5	0.50	2.70	6.70	58.30	23.00	185.15	13.10	4.60	2.15	1.15	2.00	1.10	
6	0.45	2.25	6.30	56.27	15.80	187.10	12.80	4.15	2.25	1.45	2.00	0.70	
7	0.45	1.85	7.30	59.92	14.00	141.85	12.80	4.00	2.15	1.35	1.75	1.05	
8	0.30	1.55	8.25	54.24	12.25	110.50	12.50	4.75	2.15	1.25	1.60	0.95	
9	0.30	1.20	7.10	49.25	12.00	93.35	15.80	5.50	2.00	1.45	1.50	1.30	
10	0.35	1.00	6.10	47.50	19.70	82.23	20.90	6.90	2.00	1.50	1.75	1.00	
11	0.40	1.00	5.50	44.70	57.89	66.01	20.30	12.00	1.85	1.40	1.80	0.65	
12	0.60	0.85	5.90	53.03	88.85	55.46	19.10	12.25	1.80	1.25	1.70	0.65	
13	0.60	0.80	8.00	76.14	126.45	45.40	19.70	11.75	1.75	1.35	1.60	0.85	
14	0.55	2.00	10.25	81.82	108.50	35.60	18.50	11.00	1.90	1.50	1.50	0.60	
15	0.50	2.90	11.25	77.36	128.65	29.60	19.40	9.75	1.90	1.45	1.60	0.80	
16	0.65	2.50	8.75	73.71	261.00	22.70	25.40	8.00	1.70	1.35	1.80	0.75	
17	0.90	2.15	7.10	75.33	275.75	16.40	35.25	6.10	1.90	1.40	1.95	0.75	
18	0.90	2.15	7.75	89.75	251.20	14.60	45.05	5.90	1.90	1.40	1.60	0.65	
19	0.95	2.10	9.25	81.01	319.25	17.30	46.10	4.90	1.60	1.40	1.00	0.65	
20	0.90	2.50	6.30	56.27	319.25	19.40	39.10	4.30	1.70	1.50	1.05	0.60	
21	0.70	2.70	4.45	35.25	237.20	18.50	29.30	3.50	1.70	1.60	1.05	0.55	
22	0.65	3.70	3.60	26.30	155.60	21.20	20.90	3.40	1.75	1.35	0.90	0.55	
23	0.75	2.95	3.30	22.70	103.00	19.10	15.50	3.30	1.75	1.40	1.00	0.60	
24	0.80	7.30	2.90	13.10	77.36	16.70	12.25	3.00	1.50	2.15	0.95	0.60	
25	0.90	20.00	2.85	9.25	56.68	13.70	10.00	2.80	1.30	2.05	0.95	0.75	
26	1.00	21.80	2.50	6.10	44.70	12.50	9.25	2.70	1.60	1.90	0.90	0.60	
27	0.95	15.50	2.25	3.60	38.05	10.75	7.75	2.55	1.35	2.10	1.35	0.55	
28	0.80	18.50	2.25	2.80	34.90	9.00	6.70	2.40	1.40	2.10	1.25	0.50	
29	0.80	23.30	2.40	2.45	29.00	7.30	5.35	2.35	1.35	2.15		0.55	
30	0.95	24.20	2.80	3.50	20.90	9.00	5.05	2.30	1.25	2.25		0.55	
31		20.30		3.30	26.90		4.30		1.20	2.10		0.60	
TOTAL	20.00	200.85	175.25	1252.70	2964.18	1456.88	561.75	162.25	55.70	47.85	42.75	24.30	6964.46 CMSDAY
MEAN	0.67	6.48	5.84	40.41	95.62	48.56	18.12	5.41	1.80	1.54	1.53	0.78	19.08 CMS
MAX	1.00	24.20	11.25	89.75	319.25	187.10	46.10	12.25	2.25	2.25	2.05	1.30	319.25 CMS
MIN	0.30	0.80	2.25	2.45	12.00	7.30	4.30	2.30	1.20	0.80	0.90	0.50	0.30 CMS
RUNOFF	1.728	17.353	15.142	108.233	256.105	125.874	48.535	14.018	4.812	4.134	3.694	2.100	601.729 MCM

MOMENTARY PEAK 329.60 CMS, AT 7.72 M (A.D), AT 6.00 HOURS, ON AUG 20, 1984
RUNOFF YIELD 12.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 218.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

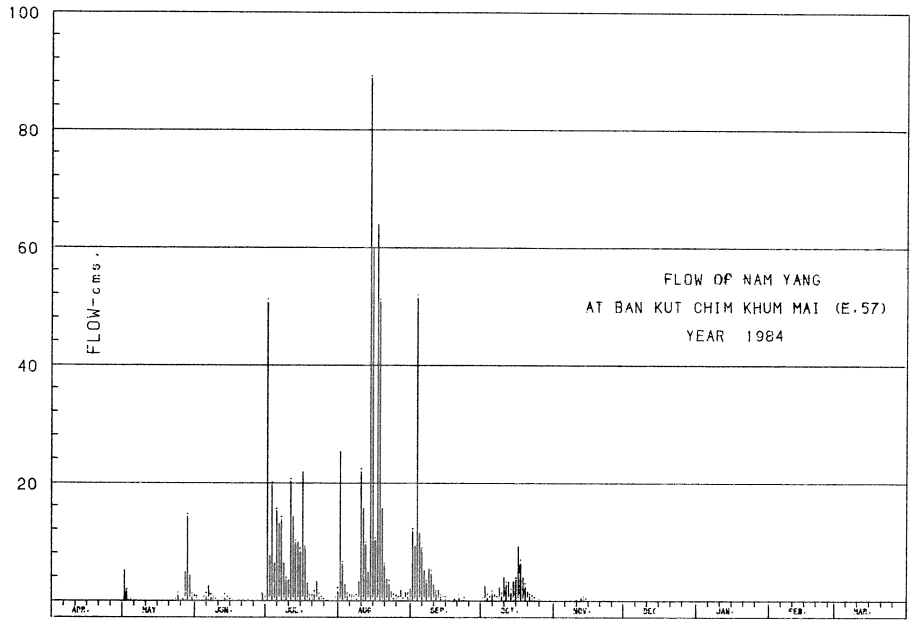
NAM YANG AT BAN KUT CHIM KHUM MAI, KALASIN (E.57)

LOCATION	LAT. 16-41-05 N., LONG. 104-05-10 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY BAN KUT CHIM KHUM MAI, AMPHOE KHAO WONG, KALASIN.
DRAINAGE AREA	98 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.757 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969-1971, 1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.64	0.44	1.48	1.11	0.85	0.41	0.31	0.19	0.19	0.19	0.19	
2	0.19	0.52	0.39	0.72	0.69	0.77	0.54	0.31	0.19	0.19	0.19	0.19	
3	0.19	0.36	0.41	1.02	0.55	1.49	0.47	0.31	0.19	0.19	0.19	0.19	
4	0.19	0.34	0.43	0.68	0.49	0.83	0.43	0.30	0.19	0.19	0.19	0.19	
5	0.19	0.31	0.49	0.93	0.46	0.76	0.51	0.30	0.19	0.19	0.19	0.19	
6	0.19	0.28	0.54	0.87	0.45	0.64	0.46	0.29	0.19	0.19	0.19	0.19	
7	0.19	0.26	0.47	0.90	0.43	0.58	0.43	0.29	0.19	0.19	0.19	0.19	
8	0.19	0.26	0.43	0.68	0.46	0.65	0.53	0.29	0.19	0.19	0.19	0.19	
9	0.19	0.25	0.38	0.60	0.57	0.64	0.49	0.33	0.19	0.19	0.19	0.19	
10	0.19	0.25	0.37	0.58	1.06	0.55	0.60	0.42	0.19	0.19	0.19	0.19	
11	0.19	0.24	0.38	1.03	0.93	0.51	0.57	0.41	0.19	0.19	0.19	0.19	
12	0.19	0.23	0.41	0.90	0.79	0.51	0.57	0.46	0.19	0.19	0.19	0.19	
13	0.19	0.28	0.47	0.80	0.63	0.46	0.52	0.43	0.19	0.19	0.19	0.19	
14	0.19	0.35	0.43	0.79	1.86	0.43	0.57	0.39	0.19	0.19	0.19	0.19	
15	0.19	0.30	0.39	0.76	1.59	0.43	0.60	0.37	0.19	0.19	0.19	0.19	
16	0.19	0.36	0.37	1.05	0.81	0.40	0.77	0.35	0.19	0.19	0.19	0.19	
17	0.19	0.33	0.33	0.77	1.63	0.38	0.70	0.33	0.19	0.19	0.19	0.19	
18	0.19	0.30	0.32	0.56	1.48	0.36	0.60	0.31	0.19	0.19	0.19	0.19	
19	0.19	0.28	0.32	0.46	0.93	0.44	0.56	0.29	0.19	0.19	0.19	0.19	
20	0.19	0.28	0.30	0.46	0.68	0.42	0.50	0.26	0.19	0.19	0.19	0.19	
21	0.19	0.27	0.30	0.51	0.59	0.47	0.47	0.26	0.19	0.19	0.19	0.19	
22	0.19	0.26	0.29	0.57	0.58	0.43	0.45	0.26	0.19	0.19	0.19	0.19	
23	0.19	0.38	0.29	0.48	0.50	0.42	0.42	0.25	0.19	0.19	0.19	0.19	
24	0.19	0.49	0.28	0.43	0.47	0.40	0.39	0.25	0.19	0.19	0.19	0.19	
25	0.19	0.39	0.28	0.39	0.45	0.35	0.35	0.24	0.19	0.19	0.19	0.19	
26	0.19	0.44	0.27	0.36	0.43	0.34	0.35	0.24	0.19	0.19	0.19	0.19	
27	0.19	0.63	0.28	0.34	0.51	0.32	0.33	0.23	0.19	0.19	0.19	0.19	
28	0.19	0.91	0.27	0.40	0.41	0.30	0.33	0.23	0.19	0.19	0.19	0.19	
29	0.19	0.61	0.49	0.40	0.49	0.30	0.32	0.23	0.19	0.19		0.19	
30	0.19	0.48	0.43	0.42	0.49	0.37	0.32	0.23	0.19	0.19		0.19	
31		0.45		0.53	0.52		0.32		0.19	0.19		0.19	
MEAN	0.19	0.38	0.38	0.67	0.74	0.53	0.48	0.31	0.19	0.19	0.19	0.19	
MAX	0.19	0.91	0.54	1.48	1.86	1.49	0.77	0.46	0.19	0.19	0.19	0.19	1.86
MIN	0.19	0.23	0.27	0.34	0.41	0.30	0.32	0.23	0.19	0.19	0.19	0.19	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.20 M (A.D), AT 6.00 HOURS, ON AUG 14, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.04 M (A.D)
LEFT BANK ELEVATION 6.21 M (A.D)
RIGHT BANK ELEVATION 6.21 M (A.D), DRAINAGE AREA 98 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	5.20	0.84	51.24	25.42	12.30	0.51	0.22	0.00	0.00	0.00	0.00	
2	0.00	2.00	0.38	7.66	6.70	9.31	2.50	0.22	0.00	0.00	0.00	0.00	
3	0.00	0.32	0.51	20.16	2.75	52.02	1.17	0.22	0.00	0.00	0.00	0.00	
4	0.00	0.28	0.73	6.40	1.39	11.50	0.73	0.20	0.00	0.00	0.00	0.00	
5	0.00	0.22	1.39	15.71	1.06	8.98	1.75	0.20	0.00	0.00	0.00	0.00	
6	0.00	0.16	2.50	13.10	0.95	5.20	1.06	0.18	0.00	0.00	0.00	0.00	
7	0.00	0.12	1.17	14.30	0.73	3.50	0.73	0.18	0.00	0.00	0.00	0.00	
8	0.00	0.12	0.73	6.40	1.06	5.50	2.25	0.18	0.00	0.00	0.00	0.00	
9	0.00	0.10	0.36	4.00	3.25	5.20	1.39	0.26	0.00	0.00	0.00	0.00	
10	0.00	0.10	0.34	3.50	22.48	2.75	4.00	0.62	0.00	0.00	0.00	0.00	
11	0.00	0.08	0.36	20.74	15.71	1.75	3.25	0.51	0.00	0.00	0.00	0.00	
12	0.00	0.06	0.51	14.30	9.97	1.75	3.25	1.06	0.00	0.00	0.00	0.00	
13	0.00	0.16	1.17	10.30	4.90	1.06	2.00	0.73	0.00	0.00	0.00	0.00	
14	0.00	0.30	0.73	9.97	89.24	0.73	3.25	0.38	0.00	0.00	0.00	0.00	
15	0.00	0.20	0.38	8.98	60.00	0.73	4.00	0.34	0.00	0.00	0.00	0.00	
16	0.00	0.32	0.34	21.90	10.70	0.40	9.31	0.30	0.00	0.00	0.00	0.00	
17	0.00	0.26	0.26	9.31	63.92	0.36	7.00	0.26	0.00	0.00	0.00	0.00	
18	0.00	0.20	0.24	3.00	51.24	0.32	4.00	0.22	0.00	0.00	0.00	0.00	
19	0.00	0.16	0.24	1.06	15.71	0.84	3.00	0.18	0.00	0.00	0.00	0.00	
20	0.00	0.16	0.20	1.06	6.40	0.62	1.50	0.12	0.00	0.00	0.00	0.00	
21	0.00	0.14	0.20	1.75	3.75	1.17	1.17	0.12	0.00	0.00	0.00	0.00	
22	0.00	0.12	0.18	3.25	3.50	0.73	0.95	0.12	0.00	0.00	0.00	0.00	
23	0.00	0.36	0.18	1.28	1.50	0.62	0.62	0.10	0.00	0.00	0.00	0.00	
24	0.00	1.39	0.16	0.73	1.17	0.40	0.38	0.10	0.00	0.00	0.00	0.00	
25	0.00	0.38	0.16	0.38	0.95	0.30	0.30	0.08	0.00	0.00	0.00	0.00	
26	0.00	0.84	0.14	0.32	0.73	0.28	0.30	0.08	0.00	0.00	0.00	0.00	
27	0.00	4.90	0.16	0.28	1.75	0.24	0.26	0.06	0.00	0.00	0.00	0.00	
28	0.00	14.77	0.14	0.40	0.51	0.20	0.26	0.06	0.00	0.00	0.00	0.00	
29	0.00	4.30	1.39	0.40	1.39	0.20	0.24	0.06	0.00	0.00		0.00	
30	0.00	1.28	0.73	0.62	1.39	0.34	0.24	0.06	0.00	0.00		0.00	
31		0.95		2.25	2.00		0.24		0.00	0.00		0.00	
TOTAL	0.00	39.95	16.82	254.75	412.22	129.30	61.61	7.42	0.00	0.00	0.00	0.00	922.07 CMSDAY
MEAN	0.00	1.29	0.56	8.22	13.30	4.31	1.99	0.25	0.00	0.00	0.00	0.00	2.53 CMS
MAX	0.00	14.77	2.50	51.24	89.24	52.02	9.31	1.06	0.00	0.00	0.00	0.00	89.24 CMS
MIN	0.00	0.06	0.14	0.28	0.51	0.20	0.24	0.06	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	3.452	1.453	22.010	35.616	11.172	5.323	0.641	0.000	0.000	0.000	0.000	79.667 MCM

MOMENTARY PEAK 133.00 CMS, AT 2.20 M (A.D), AT 6.00 HOURS, ON AUG 14, 1984

RUNOFF YIELD 25.78 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1357.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

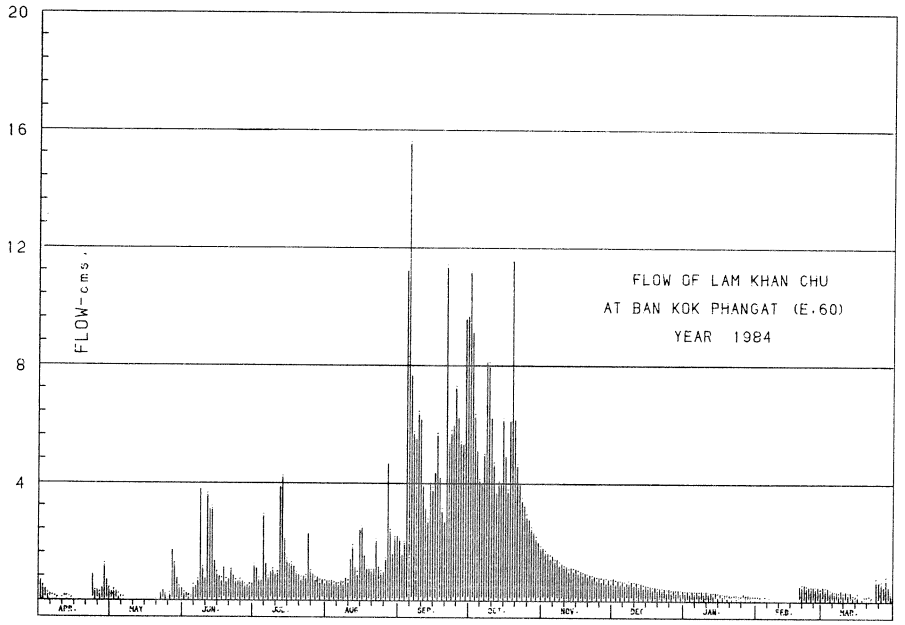
LAM KHAN CHU AT BAN KHOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15-29-14 N., LONG. 101-33-32 E., ON LEFT BANK ABOUT 500 METERS FROM BAN KHOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.326 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 68 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.99	0.79	0.80	1.25	0.99	1.52	3.36	1.42	1.03	0.81	0.73	0.89	
2	0.91	0.85	0.77	1.20	0.98	1.35	3.02	1.40	1.00	0.81	0.72	0.88	
3	0.84	0.80	0.75	1.04	0.99	1.48	2.47	1.37	0.99	0.81	0.72	0.87	
4	0.79	0.77	0.73	0.99	0.97	3.36	2.22	1.35	0.99	0.81	0.72	0.84	
5	0.76	0.73	0.93	1.71	0.96	3.94	2.01	1.34	0.98	0.81	0.71	0.82	
6	0.74	0.72	0.89	1.25	0.95	2.73	1.96	1.30	0.97	0.81	0.71	0.81	
7	0.73	0.70	1.02	1.07	0.98	2.35	2.20	1.30	0.95	0.81	0.71	0.81	
8	0.71	0.69	1.92	1.14	0.97	2.30	2.82	1.27	0.99	0.81	0.71	0.80	
9	0.71	0.67	1.22	1.20	1.03	2.49	2.82	1.25	0.97	0.80	0.71	0.83	
10	0.70	0.67	1.02	1.09	1.00	2.43	2.44	1.23	0.97	0.81	0.71	0.79	
11	0.74	0.66	1.89	1.15	1.30	1.97	2.14	1.22	0.96	0.81	0.70	0.81	
12	0.74	0.64	1.75	1.94	1.45	1.76	1.89	1.19	0.95	0.79	0.69	0.80	
13	0.72	0.64	1.78	2.04	1.21	1.67	1.99	1.21	0.94	0.79	0.69	0.80	
14	0.70	0.68	1.28	1.50	1.15	1.98	1.96	1.20	0.92	0.79	0.67	0.75	
15	0.69	0.67	1.15	1.31	1.57	1.94	2.44	1.19	0.91	0.78	0.67	0.74	
16	0.68	0.69	1.06	1.25	1.61	2.06	2.18	1.17	0.90	0.77	0.69	0.79	
17	0.67	0.66	1.04	1.27	1.34	2.34	1.92	1.15	0.89	0.77	0.69	0.61	
18	0.66	0.61	1.21	1.22	1.23	2.02	2.42	1.13	0.88	0.76	0.69	0.71	
19	0.65	0.66	1.03	1.14	1.19	1.76	3.42	1.12	0.88	0.76	0.90	0.73	
20	0.65	0.65	1.01	1.09	1.18	1.64	2.43	1.11	0.87	0.75	0.93	0.73	
21	0.66	0.65	1.19	1.06	1.19	3.39	2.13	1.09	0.86	0.74	0.93	0.74	
22	0.69	0.82	1.07	1.06	1.50	2.27	1.96	1.08	0.86	0.75	0.91	0.71	
23	1.09	0.82	1.01	1.09	1.22	2.36	1.85	1.06	0.85	0.75	0.89	0.71	
24	0.83	0.76	0.97	1.54	1.16	2.39	1.78	1.05	0.84	0.73	0.89	1.04	
25	0.82	0.70	1.02	1.17	1.13	2.66	1.71	1.05	0.85	0.73	0.89	0.97	
26	0.80	0.79	0.97	1.10	1.32	2.44	1.66	1.04	0.83	0.77	0.89	0.99	
27	0.86	1.40	0.94	1.06	2.13	2.28	1.60	1.03	0.83	0.74	0.89	0.89	
28	1.26	1.26	0.91	1.05	1.58	2.26	1.55	1.03	0.83	0.75	0.86	1.07	
29	1.00	1.03	0.94	1.01	1.36	3.11	1.52	1.01	0.83	0.73		0.89	
30	0.87	0.90	0.94	1.00	1.52	3.11	1.47	1.01	0.83	0.73		0.81	
31		0.85		1.00	1.52		1.44		0.82	0.73		0.77	
MEAN	0.79	0.77	1.11	1.23	1.25	2.31	2.15	1.18	0.91	0.77	0.77	0.82	
MAX	1.26	1.40	1.92	2.04	2.13	3.94	3.42	1.42	1.03	0.81	0.93	1.07	3.94
MIN	0.65	0.61	0.73	0.99	0.95	1.35	1.44	1.01	0.82	0.73	0.67	0.61	0.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.25 M (A.D), AT 6.00 HOURS, ON SEP 5, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.55 M (A.D)
LEFT BANK ELEVATION 7.72 M (A.D)
RIGHT BANK ELEVATION 7.81 M (A.D), DRAINAGE AREA 205 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.68	0.28	0.30	1.25	0.68	2.18	11.22	1.78	0.76	0.32	0.16	0.48	
2	0.52	0.40	0.24	1.10	0.66	1.55	9.12	1.70	0.70	0.32	0.14	0.46	
3	0.38	0.30	0.20	0.78	0.68	2.02	6.35	1.61	0.68	0.32	0.14	0.44	
4	0.28	0.24	0.16	0.68	0.64	11.22	5.10	1.55	0.68	0.32	0.14	0.38	
5	0.22	0.16	0.56	2.94	0.62	15.62	4.14	1.52	0.66	0.32	0.12	0.34	
6	0.18	0.14	0.48	1.25	0.60	7.65	3.94	1.40	0.64	0.32	0.12	0.32	
7	0.16	0.10	0.74	0.84	0.66	5.75	5.00	1.40	0.60	0.32	0.12	0.32	
8	0.12	0.09	3.78	0.98	0.64	5.50	8.10	1.31	0.68	0.32	0.12	0.30	
9	0.12	0.07	1.16	1.10	0.76	6.45	8.10	1.25	0.64	0.30	0.12	0.36	
10	0.10	0.07	0.74	0.88	0.70	6.15	6.20	1.19	0.64	0.32	0.12	0.28	
11	0.18	0.06	3.66	1.00	1.40	3.98	4.70	1.16	0.62	0.32	0.10	0.32	
12	0.18	0.04	3.10	3.86	1.90	3.14	3.66	1.08	0.60	0.28	0.09	0.30	
13	0.14	0.04	3.22	4.26	1.13	2.78	4.06	1.13	0.58	0.28	0.09	0.30	
14	0.10	0.08	1.34	2.10	1.00	4.02	3.94	1.10	0.54	0.28	0.07	0.20	
15	0.09	0.07	1.00	1.43	2.38	3.86	6.20	1.08	0.52	0.26	0.07	0.18	
16	0.08	0.09	0.82	1.25	2.54	4.34	4.90	1.04	0.50	0.24	0.09	0.28	
17	0.07	0.06	0.78	1.31	1.52	5.70	3.78	1.00	0.48	0.24	0.09	0.01	
18	0.06	0.01	1.13	1.16	1.19	4.18	6.10	0.96	0.46	0.22	0.09	0.12	
19	0.05	0.06	0.76	0.98	1.08	3.14	11.64	0.94	0.46	0.22	0.50	0.16	
20	0.05	0.05	0.72	0.88	1.06	2.66	6.15	0.92	0.44	0.20	0.56	0.16	
21	0.06	0.05	1.08	0.82	1.08	11.43	4.65	0.88	0.42	0.18	0.56	0.18	
22	0.09	0.34	0.84	0.82	2.10	5.35	3.94	0.86	0.42	0.20	0.52	0.12	
23	0.88	0.34	0.72	0.88	1.16	5.80	3.50	0.82	0.40	0.20	0.48	0.12	
24	0.36	0.22	0.64	2.26	1.02	5.95	3.22	0.80	0.38	0.16	0.48	0.78	
25	0.34	0.10	0.74	1.04	0.96	7.30	2.94	0.80	0.40	0.16	0.48	0.64	
26	0.30	0.28	0.64	0.90	1.46	6.20	2.74	0.78	0.36	0.24	0.48	0.68	
27	0.42	1.70	0.58	0.82	4.65	5.40	2.50	0.76	0.36	0.18	0.48	0.48	
28	1.28	1.28	0.52	0.80	2.42	5.30	2.30	0.76	0.36	0.20	0.42	0.84	
29	0.70	0.76	0.58	0.72	1.58	9.66	2.18	0.72	0.36	0.16		0.48	
30	0.44	0.50	0.58	0.70	2.18	9.66	1.98	0.72	0.36	0.16		0.32	
31		0.40		0.70	2.18		1.86		0.34	0.16		0.24	
TOTAL	8.63	8.38	31.81	40.49	42.63	173.94	154.21	33.02	16.04	7.72	6.95	10.59	534.41 CMSDAY
MEAN	0.29	0.27	1.06	1.31	1.38	5.80	4.97	1.10	0.52	0.25	0.25	0.34	1.46 CMS
MAX	1.28	1.70	3.78	4.26	4.65	15.62	11.64	1.78	0.76	0.32	0.56	0.84	15.62 CMS
MIN	0.05	0.01	0.16	0.68	0.60	1.55	1.86	0.72	0.34	0.16	0.07	0.01	0.01 CMS
RUNOFF	0.746	0.724	2.748	3.498	3.683	15.028	13.324	2.853	1.386	0.667	0.600	0.915	46.173 MCM

MOMENTARY PEAK 18.15 CMS, AT 4.25 M (A.D), AT 6.00 HOURS, ON SEP 5, 1984

RUNOFF YIELD 7.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 88.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

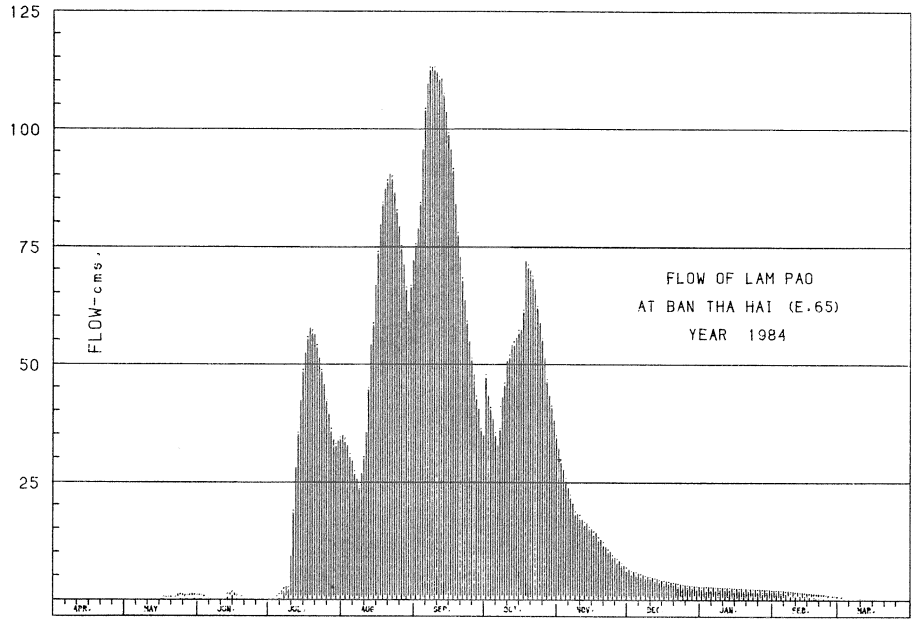
LAM PAO AT BAN THA HAI, UDON THANI (E.65)

LOCATION	LAT. 16-56-54 N., LONG. 103-10-16 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, BAN THA HAI, AMPHOE SI THAT, UDON THANI.
DRAINAGE AREA	1,949 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+10.695 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 92 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.38	1.37	2.14	1.83	4.33	5.44	4.71	4.24	3.23	2.79	2.53	1.92	
2	1.38	1.37	2.09	1.83	4.31	5.52	4.58	4.16	3.21	2.79	2.53	1.90	
3	1.37	1.41	2.02	1.90	4.26	5.66	4.51	4.09	3.20	2.79	2.52	1.88	
4	1.36	1.51	1.93	1.98	4.20	5.94	4.44	4.03	3.19	2.78	2.51	1.87	
5	1.36	1.47	1.84	2.21	4.15	6.16	4.35	3.96	3.17	2.77	2.50	1.85	
6	1.37	1.44	1.79	2.47	4.08	6.29	4.26	3.91	3.15	2.76	2.48	1.83	
7	1.37	1.42	1.76	2.70	4.02	6.38	4.38	3.85	3.13	2.75	2.47	1.81	
8	1.37	1.41	1.74	2.79	3.97	6.38	4.57	3.79	3.11	2.74	2.45	1.78	
9	1.37	1.39	1.75	2.78	4.06	6.38	4.66	3.77	3.10	2.73	2.44	1.75	
10	1.37	1.40	1.78	3.41	4.18	6.35	4.79	3.76	3.09	2.73	2.41	1.73	
11	1.37	1.40	1.77	3.80	4.35	6.33	4.83	3.72	3.07	2.71	2.39	1.73	
12	1.37	1.42	1.91	4.10	4.63	6.32	4.89	3.70	3.06	2.71	2.37	1.70	
13	1.39	1.45	2.25	4.35	4.89	6.24	4.91	3.69	3.05	2.72	2.35	1.65	
14	1.40	1.49	2.25	4.55	5.02	6.14	4.93	3.66	3.03	2.70	2.33	1.63	
15	1.41	1.61	2.48	4.74	5.22	6.03	4.98	3.64	3.01	2.68	2.29	1.62	
16	1.43	1.78	2.26	4.84	5.40	5.94	4.98	3.62	3.01	2.67	2.27	1.60	
17	1.42	1.90	2.12	4.94	5.54	5.84	5.09	3.61	3.00	2.67	2.25	1.58	
18	1.41	1.87	2.03	4.99	5.66	5.65	5.35	3.57	2.99	2.66	2.23	1.57	
19	1.39	1.90	1.96	4.98	5.73	5.50	5.33	3.55	2.97	2.65	2.21	1.56	
20	1.38	1.91	1.84	4.95	5.78	5.37	5.30	3.53	2.96	2.64	2.19	1.56	
21	1.38	1.89	1.66	4.89	5.81	5.26	5.27	3.49	2.95	2.63	2.17	1.55	
22	1.38	1.91	1.57	4.81	5.80	5.14	5.20	3.47	2.94	2.62	2.13	1.55	
23	1.37	2.14	1.66	4.74	5.71	5.03	5.11	3.45	2.92	2.62	2.10	1.55	
24	1.39	2.23	1.74	4.65	5.62	4.91	5.02	3.42	2.91	2.61	2.05	1.55	
25	1.40	2.16	1.82	4.56	5.53	4.81	4.93	3.40	2.90	2.61	2.02	1.55	
26	1.40	2.10	1.85	4.47	5.43	4.71	4.81	3.38	2.88	2.61	2.01	1.52	
27	1.39	2.09	1.85	4.38	5.33	4.58	4.68	3.35	2.87	2.59	2.00	1.52	
28	1.39	2.14	1.83	4.30	5.21	4.50	4.58	3.32	2.85	2.58	1.97	1.50	
29	1.39	2.22	1.85	4.27	5.08	4.38	4.52	3.29	2.84	2.58		1.47	
30	1.38	2.17	1.84	4.29	5.22	4.33	4.43	3.26	2.82	2.57		1.46	
31		2.14		4.32	5.35		4.33		2.80	2.55		1.45	
MEAN	1.38	1.75	1.91	3.87	4.96	5.58	4.80	3.66	3.01	2.68	2.29	1.65	
MAX	1.43	2.23	2.48	4.99	5.81	6.38	5.35	4.24	3.23	2.79	2.53	1.92	6.38
MIN	1.36	1.37	1.57	1.83	3.97	4.33	4.26	3.26	2.80	2.55	1.97	1.45	1.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.40 M (A.D), AT 15.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.90 M (A.D)
LEFT BANK ELEVATION 10.47 M (A.D)
RIGHT BANK ELEVATION 10.44 M (A.D), DRAINAGE AREA 1949 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.08	0.46	34.90	75.60	47.85	32.20	6.45	2.77	1.99	0.64	
2	0.00	0.00	0.98	0.46	34.30	78.80	43.30	29.80	6.15	2.77	1.99	0.60	
3	0.00	0.01	0.84	0.60	32.80	84.40	40.85	27.70	6.00	2.77	1.96	0.56	
4	0.00	0.02	0.66	0.76	31.00	95.60	38.40	25.90	5.90	2.74	1.93	0.54	
5	0.00	0.01	0.48	1.22	29.50	104.40	35.50	23.80	5.70	2.71	1.90	0.50	
6	0.00	0.01	0.38	1.81	27.40	109.60	32.80	22.30	5.50	2.68	1.84	0.46	
7	0.00	0.01	0.32	2.50	25.60	113.20	36.40	20.50	5.30	2.65	1.81	0.42	
8	0.00	0.01	0.28	2.77	24.10	113.20	42.95	18.75	5.10	2.62	1.75	0.36	
9	0.00	0.00	0.30	2.74	26.80	113.20	46.10	18.25	5.00	2.59	1.72	0.30	
10	0.00	0.01	0.36	9.25	30.40	112.00	50.65	18.00	4.90	2.59	1.63	0.26	
11	0.00	0.01	0.34	19.00	35.50	111.20	52.05	17.00	4.70	2.53	1.58	0.26	
12	0.00	0.01	0.62	28.00	45.05	110.80	54.15	16.50	4.60	2.53	1.54	0.20	
13	0.00	0.01	1.30	35.50	54.15	107.60	54.85	16.25	4.50	2.56	1.50	0.15	
14	0.01	0.01	1.30	42.25	58.80	103.60	55.55	15.50	4.30	2.50	1.46	0.13	
15	0.01	0.11	1.84	48.90	66.80	99.20	57.30	15.00	4.10	2.44	1.38	0.12	
16	0.01	0.36	1.32	52.40	74.00	95.60	57.30	14.50	4.10	2.41	1.34	0.10	
17	0.01	0.60	1.04	55.90	79.60	91.60	61.60	14.25	4.00	2.41	1.30	0.08	
18	0.01	0.54	0.86	57.65	84.40	84.00	72.00	13.25	3.91	2.38	1.26	0.07	
19	0.00	0.60	0.72	57.30	87.20	78.00	71.20	12.75	3.73	2.35	1.22	0.06	
20	0.00	0.62	0.48	56.25	89.20	72.80	70.00	12.25	3.64	2.32	1.18	0.06	
21	0.00	0.58	0.16	54.15	90.40	68.40	68.80	11.25	3.55	2.29	1.14	0.05	
22	0.00	0.62	0.07	51.35	90.00	63.60	66.00	10.75	3.46	2.26	1.06	0.05	
23	0.00	1.08	0.16	48.90	86.40	59.20	62.40	10.25	3.28	2.26	1.00	0.05	
24	0.00	1.26	0.28	45.75	82.80	54.85	58.80	9.50	3.19	2.23	0.90	0.05	
25	0.01	1.12	0.44	42.60	79.20	51.35	55.55	9.00	3.10	2.23	0.84	0.05	
26	0.01	1.00	0.50	39.45	75.20	47.85	51.35	8.70	3.04	2.23	0.82	0.03	
27	0.00	0.98	0.50	36.40	71.20	43.30	46.80	8.25	3.01	2.17	0.80	0.03	
28	0.00	1.08	0.46	34.00	66.40	40.50	43.30	7.80	2.95	2.14	0.74	0.01	
29	0.00	1.24	0.50	33.10	61.20	36.40	41.20	7.35	2.92	2.14		0.01	
30	0.00	1.14	0.48	33.70	66.80	34.90	38.05	6.90	2.86	2.11		0.01	
31		1.08		34.60	72.00		34.90		2.80	2.05		0.01	
TOTAL	0.07	14.13	19.05	929.72	1813.10	2454.75	1587.95	474.20	131.74	75.43	39.58	6.22	7545.94 CMSDAY
MEAN	0.00	0.46	0.63	29.99	58.49	81.83	51.22	15.81	4.25	2.43	1.41	0.20	20.67 CMS
MAX	0.01	1.26	1.84	57.65	90.40	113.20	72.00	32.20	6.45	2.77	1.99	0.64	113.20 CMS
MIN	0.00	0.00	0.07	0.46	24.10	34.90	32.80	6.90	2.80	2.05	0.74	0.01	0.00 CMS
RUNOFF	0.006	1.221	1.646	80.328	156.652	212.090	137.199	40.971	11.382	6.517	3.420	0.537	651.969 MCM

MOMENTARY PEAK 114.00 CMS, AT 6.40 M (A.D), AT 15.00 HOURS, ON SEP 7, 1984

RUNOFF YIELD 10.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 58.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHI RIVER BASIN

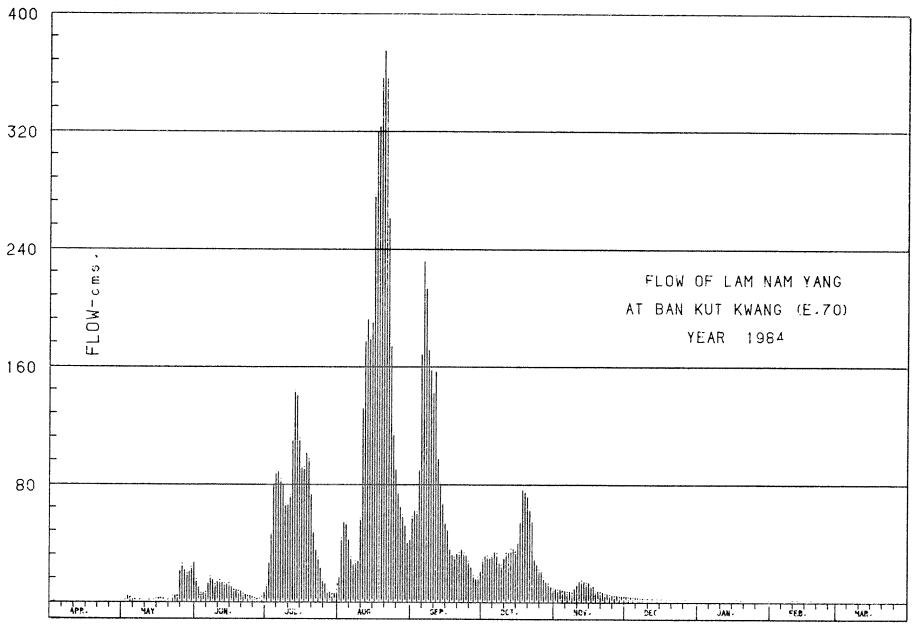
LAM NAM YANG AT BAN KUT KWANG, ROI ET (E.70)

LOCATION	LAT. 16-17-15 N., LONG. 104-00-33 E., ON RIGHT BANK AT BRIDGE ON HIGHWAY, BAN KUT KWANG, AMPHOE PHON THONG, ROI ET.
DRAINAGE AREA	3,168 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+11.914 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.27	1.07	0.95	1.11	2.16	1.47	0.84	0.52	0.36	0.29	0.28	
2	0.16	0.27	0.88	1.40	1.83	2.24	1.52	0.83	0.51	0.35	0.29	0.28	
3	0.16	0.53	0.69	1.93	2.07	2.23	1.53	0.83	0.50	0.35	0.28	0.28	
4	0.16	0.49	0.67	2.60	2.08	2.79	1.48	0.80	0.50	0.35	0.28	0.28	
5	0.16	0.40	0.74	2.78	1.79	4.14	1.55	0.78	0.48	0.34	0.28	0.28	
6	0.15	0.38	0.97	2.77	1.51	5.00	1.59	0.76	0.47	0.32	0.28	0.27	
7	0.15	0.37	1.14	2.68	1.37	4.78	1.57	0.74	0.46	0.32	0.28	0.24	
8	0.15	0.36	1.06	2.60	1.44	4.16	1.40	0.72	0.45	0.31	0.28	0.22	
9	0.15	0.35	0.96	2.34	1.44	3.99	1.37	0.84	0.44	0.31	0.29	0.22	
10	0.15	0.34	1.01	2.32	2.14	3.70	1.48	1.01	0.44	0.30	0.30	0.22	
11	0.14	0.33	1.05	2.46	3.53	3.97	1.58	1.02	0.43	0.30	0.30	0.20	
12	0.14	0.31	0.99	3.16	4.27	2.94	1.58	1.05	0.43	0.30	0.30	0.20	
13	0.14	0.30	0.98	3.74	4.46	2.64	1.65	1.02	0.42	0.30	0.29	0.20	
14	0.14	0.35	0.95	3.67	4.29	2.34	1.64	1.00	0.42	0.30	0.29	0.18	
15	0.14	0.44	0.99	3.19	4.43	2.09	1.60	0.99	0.41	0.39	0.28	0.18	
16	0.14	0.44	0.89	2.82	5.60	1.95	1.74	0.95	0.41	0.39	0.28	0.16	
17	0.15	0.45	0.82	2.84	6.14	1.67	2.11	0.91	0.40	0.39	0.28	0.16	
18	0.15	0.43	0.80	3.01	6.20	1.54	2.53	0.80	0.40	0.39	0.28	0.14	
19	0.15	0.37	0.79	2.94	6.59	1.51	2.53	0.76	0.39	0.28	0.27	0.14	
20	0.15	0.36	0.75	2.46	6.82	1.56	2.43	0.74	0.39	0.28	0.26	0.16	
21	0.14	0.38	0.66	1.95	6.59	1.59	2.28	0.71	0.38	0.28	0.26	0.16	
22	0.14	0.58	0.59	1.62	5.41	1.63	2.08	0.65	0.38	0.30	0.26	0.16	
23	0.14	0.55	0.56	1.50	4.20	1.59	1.50	0.64	0.37	0.30	0.26	0.16	
24	0.14	0.58	0.55	1.30	3.25	1.53	1.37	0.62	0.37	0.30	0.27	0.18	
25	0.14	1.24	0.50	1.08	2.80	1.44	1.28	0.57	0.37	0.32	0.27	0.18	
26	0.20	1.39	0.46	0.96	2.51	1.32	1.23	0.57	0.37	0.32	0.27	0.18	
27	0.18	1.26	0.42	0.82	2.29	1.17	1.12	0.56	0.37	0.34	0.28	0.18	
28	0.18	1.20	0.44	0.71	2.19	1.07	1.00	0.54	0.37	0.34	0.28	0.18	
29	0.25	1.23	0.52	0.65	2.02	1.13	0.98	0.54	0.36	0.30		0.18	
30	0.24	1.33	0.68	0.66	1.78	1.24	0.89	0.53	0.36	0.30		0.16	
31		1.41		0.83	1.79		0.86		0.36	0.30		0.16	
MEAN	0.16	0.60	0.79	2.09	3.35	2.37	1.58	0.78	0.42	0.32	0.28	0.20	
MAX	0.25	1.41	1.14	3.74	6.82	5.00	2.53	1.05	0.52	0.39	0.30	0.28	6.82
MIN	0.14	0.27	0.42	0.65	1.11	1.07	0.86	0.53	0.36	0.28	0.26	0.14	0.14

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.84 M (A.D), AT 18.00 HOURS, ON AUG 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.83 M (A.D)
LEFT BANK ELEVATION 12.48 M (A.D)
RIGHT BANK ELEVATION 11.78 M (A.D), DRAINAGE AREA 3168 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	1.35	15.60	12.00	16.80	58.20	29.30	9.00	3.80	1.80	1.45	1.40	
2	0.80	1.35	10.00	26.50	43.70	62.00	31.30	8.75	3.65	1.75	1.45	1.40	
3	0.80	3.95	6.35	47.85	54.15	61.50	31.70	8.75	3.50	1.75	1.40	1.40	
4	0.80	3.35	6.05	80.00	54.60	89.50	29.70	8.00	3.50	1.75	1.40	1.40	
5	0.80	2.00	7.10	89.00	42.10	169.80	32.50	7.70	3.20	1.70	1.40	1.40	
6	0.75	1.90	12.60	88.50	30.90	231.50	34.10	7.40	3.05	1.60	1.40	1.35	
7	0.75	1.85	17.70	84.00	25.45	215.00	33.30	7.10	2.90	1.60	1.40	1.20	
8	0.75	1.80	15.30	80.00	28.10	171.20	26.50	6.80	2.75	1.55	1.40	1.10	
9	0.75	1.75	12.30	67.00	28.10	159.40	25.45	9.00	2.60	1.55	1.45	1.10	
10	0.75	1.70	13.80	66.00	57.30	142.00	29.70	13.80	2.60	1.50	1.50	1.10	
11	0.70	1.65	15.00	73.00	131.80	158.20	33.70	14.10	2.45	1.50	1.50	1.00	
12	0.70	1.55	13.20	109.60	178.90	97.20	33.70	15.00	2.45	1.50	1.50	1.00	
13	0.70	1.50	12.90	144.40	192.20	82.00	36.50	14.10	2.30	1.50	1.45	1.00	
14	0.70	1.75	12.00	140.20	180.30	67.00	36.10	13.50	2.30	1.50	1.45	0.90	
15	0.70	2.60	13.20	111.40	190.10	55.05	34.50	13.20	2.15	1.95	1.40	0.90	
16	0.70	2.60	10.25	91.00	277.00	48.75	40.10	12.00	2.15	1.95	1.40	0.80	
17	0.75	2.75	8.50	92.00	320.20	37.30	55.95	10.80	2.00	1.95	1.40	0.80	
18	0.75	2.45	8.00	101.05	325.00	32.10	76.50	8.00	2.00	1.95	1.40	0.70	
19	0.75	1.85	7.85	97.20	356.20	30.90	76.50	7.40	1.95	1.40	1.35	0.70	
20	0.75	1.80	7.25	73.00	376.80	32.90	71.50	7.10	1.95	1.40	1.30	0.80	
21	0.70	1.90	5.90	48.75	356.20	34.10	64.00	6.65	1.90	1.40	1.30	0.80	
22	0.70	4.70	4.85	35.30	262.25	35.70	54.60	5.75	1.90	1.50	1.30	0.80	
23	0.70	4.25	4.40	30.50	174.00	34.10	30.50	5.60	1.85	1.50	1.30	0.80	
24	0.70	4.70	4.25	23.00	115.00	31.70	25.45	5.30	1.85	1.50	1.35	0.90	
25	0.70	20.90	3.50	15.90	90.00	28.10	22.30	4.55	1.85	1.60	1.35	0.90	
26	1.00	26.15	2.90	12.30	75.50	23.70	20.55	4.55	1.85	1.60	1.35	0.90	
27	0.90	21.60	2.30	8.50	64.50	18.60	17.10	4.40	1.85	1.70	1.40	0.90	
28	0.90	19.50	2.60	6.65	59.55	15.60	13.50	4.10	1.85	1.70	1.40	0.90	
29	1.25	20.55	3.80	5.75	51.90	17.40	12.90	4.10	1.80	1.50		0.90	
30	1.20	24.05	6.20	5.90	41.70	20.90	10.25	3.95	1.80	1.50		0.80	
31		26.90		8.75	42.10		9.50		1.80	1.50		0.80	
TOTAL	23.70	216.70	265.65	1875.00	4242.40	2261.40	1079.25	250.45	73.55	50.15	39.15	30.85	10408.25 CMSDAY
MEAN	0.79	6.99	8.86	60.48	136.85	75.38	34.81	8.35	2.37	1.62	1.40	1.00	28.52 CMS
MAX	1.25	26.90	17.70	144.40	376.80	231.50	76.50	15.00	3.80	1.95	1.50	1.40	376.80 CMS
MIN	0.70	1.35	2.30	5.75	16.80	15.60	9.50	3.95	1.80	1.40	1.30	0.70	0.70 CMS
RUNOFF	2.048	18.723	22.952	162.000	366.543	195.385	93.247	21.639	6.355	4.333	3.383	2.665	899.273 MCM

MOMENTARY PEAK 378.60 CMS, AT 6.84 M (A.D), AT 18.00 HOURS, ON AUG 20, 1984

RUNOFF YIELD 9.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 119.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

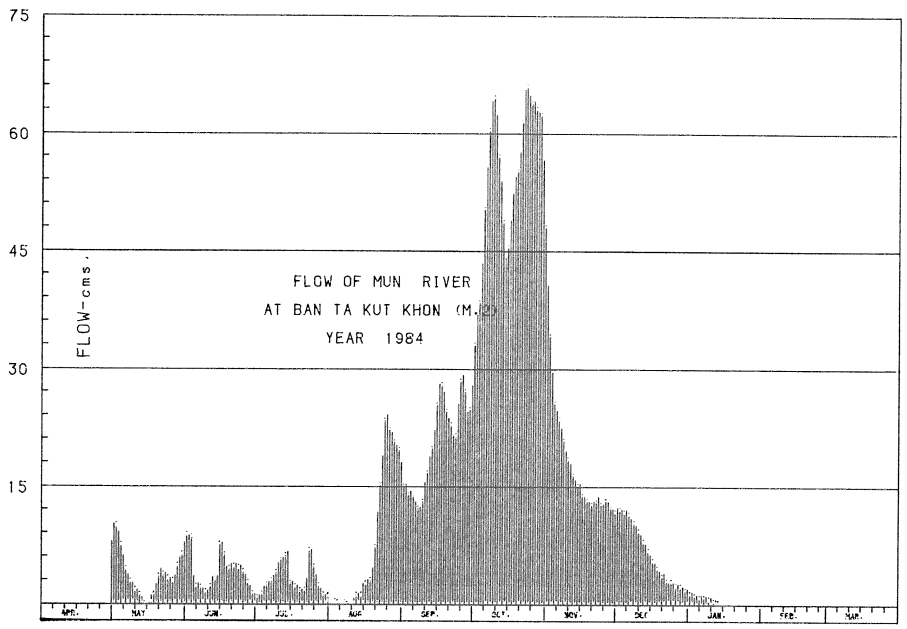
MUN RIVER AT BAN TA KUT KHON, NAKHON RATCHASIMA (M.2)

LOCATION	LAT. 15-00-03 N., LONG. 105-15-57 E., ON RIGHT BANK AT ABOUT 100 METERS WEST OF BAN THA CHANG SCHOOL, AND ABOUT 30 METERS SOUTH OF PUMPING RAILWAY STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.
DRAINAGE AREA	4,800 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+157.85 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+165.802 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1950 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960, 1969-1971, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960, 1969-1971, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE TEMPORARY WEIR SINCE APR.1-MAY 4, 1982. STAGE-DISCHARGE RELATION DEFINED BY 59 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	159.32	160.35	160.28	159.60	159.55	160.98	162.24	162.12	160.49	159.66	159.38	159.33	
2	159.31	160.36	160.25	159.59	159.60	160.98	159.43	161.79	160.49	159.65	159.40	159.20	
3	159.31	160.28	160.26	159.66	159.63	160.89	162.52	161.52	160.48	159.63	159.43	159.23	
4	159.31	160.19	160.14	159.73	159.60	160.91	162.73	161.31	160.47	159.60	159.52	159.18	
5	159.30	160.07	160.00	159.79	159.50	160.88	163.00	161.24	160.47	159.60	159.51	159.26	
6	159.28	159.96	160.01	159.80	159.53	160.81	163.17	161.19	160.45	159.60	159.45	159.20	
7	159.27	159.88	159.98	159.84	159.59	160.76	163.32	161.11	160.40	159.60	159.42	159.20	
8	159.26	159.83	159.90	159.87	159.52	160.75	163.42	161.03	160.38	159.58	159.29	159.15	
9	159.24	159.78	159.89	159.93	159.46	160.83	163.44	160.94	160.34	159.57	159.20	159.09	
10	159.22	159.72	159.86	160.00	159.48	161.00	163.37	160.89	160.31	159.56	159.16	159.08	
11	159.24	159.68	160.00	160.05	159.65	161.11	163.22	160.84	160.26	159.53	159.20	159.08	
12	159.28	159.63	160.12	160.06	159.83	161.25	163.11	160.76	160.22	159.52	159.22	159.17	
13	159.31	159.55	160.13	160.10	159.80	161.35	162.94	160.71	160.18	159.51	159.14	159.13	
14	159.31	159.47	160.18	160.11	159.83	161.50	162.76	160.68	160.14	159.41	159.15	159.10	
15	159.26	159.48	160.20	160.06	160.01	161.75	162.82	160.68	160.08	159.42	159.18	159.06	
16	159.21	159.53	160.19	160.04	160.06	161.92	162.94	160.60	160.04	159.42	159.23	159.03	
17	159.25	159.61	160.10	160.00	160.08	161.93	163.07	160.58	160.00	159.41	159.20	159.00	
18	159.25	159.65	159.96	159.97	160.12	161.85	163.13	160.56	159.97	159.38	159.15	159.03	
19	159.22	159.76	159.97	159.92	160.28	161.69	163.16	160.54	159.92	159.36	159.22	159.06	
20	159.21	159.89	159.99	159.88	160.59	161.61	163.23	160.53	159.89	159.34	159.25	159.06	
21	159.20	159.94	159.99	159.93	160.95	161.57	163.35	160.54	159.90	159.33	159.21	159.03	
22	159.19	159.91	159.99	160.10	161.22	161.45	163.46	160.55	159.83	159.31	159.20	159.02	
23	159.21	159.90	159.98	160.30	161.44	161.47	163.48	160.58	159.79	159.29	159.20	159.04	
24	159.24	159.87	159.97	160.28	161.61	161.74	163.44	160.53	159.83	159.27	159.20	159.07	
25	159.31	159.84	159.94	160.10	161.64	161.96	163.42	160.52	159.79	159.26	159.29	159.03	
26	159.32	159.84	159.88	159.95	161.52	161.99	163.42	160.56	159.78	159.38	159.28	159.09	
27	159.31	159.87	159.82	160.83	161.48	161.87	163.40	160.54	159.77	159.41	159.28	159.13	
28	159.33	160.00	159.74	159.73	161.41	161.67	163.38	160.50	159.77	159.41	159.29	159.07	
29	159.40	160.05	159.66	159.67	161.36	161.71	163.25	160.48	159.73	159.36		159.07	
30	160.21	160.11	159.61	159.61	161.34	161.91	162.95	160.47	159.71	159.35		159.11	
31		160.19		159.56	161.19		162.52		159.70	159.37		159.20	
MEAN	159.30	159.88	160.00	159.94	160.35	161.40	163.00	160.83	160.08	159.45	159.27	159.11	
MAX	160.21	160.36	160.28	160.83	161.64	161.99	163.48	162.12	160.49	159.66	159.52	159.33	163.48
MIN	159.19	159.47	159.61	159.56	159.46	160.75	159.43	160.47	159.70	159.26	159.14	159.00	159.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 163.49 M (MSL), AT 6.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 157.85 M (MSL), RIVER BED 155.66 M (MSL)
LEFT BANK ELEVATION 167.81 M (MSL)
RIGHT BANK ELEVATION 167.82 M (MSL), DRAINAGE AREA 4800 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	10.25	9.20	1.20	0.45	15.34	33.32	40.68	12.35	1.68	0.00	0.00	
2	0.00	10.40	8.75	1.13	0.60	15.34	36.90	34.42	12.35	1.60	0.00	0.00	
3	0.00	9.21	8.90	1.68	0.69	14.17	38.72	29.56	12.20	1.44	0.00	0.00	
4	0.00	7.86	3.58	2.27	0.60	14.43	43.45	25.87	12.05	1.20	0.00	0.00	
5	0.00	6.21	2.60	2.81	0.30	14.04	50.60	24.68	12.05	1.20	0.00	0.00	
6	0.00	4.78	2.67	2.90	0.39	13.13	55.70	23.83	11.75	1.20	0.00	0.00	
7	0.00	3.78	2.48	3.34	0.57	12.52	60.68	22.47	11.00	1.20	0.00	0.00	
8	0.00	3.23	2.00	3.67	0.36	12.40	64.12	21.11	10.70	1.06	0.00	0.00	
9	0.00	2.72	1.94	4.39	0.18	13.39	64.84	19.58	10.10	0.99	0.00	0.00	
10	0.00	2.18	1.76	5.30	0.18	15.60	62.38	18.74	9.65	0.92	0.00	0.00	
11	0.00	1.84	2.60	5.95	0.75	17.03	57.28	17.94	8.90	0.71	0.00	0.00	
12	0.00	1.52	3.44	5.95	1.58	18.85	53.90	16.66	8.30	0.64	0.00	0.00	
13	0.00	0.85	3.51	6.60	1.40	20.15	48.92	15.86	7.72	0.57	0.00	0.00	
14	0.00	0.35	3.58	6.74	1.58	22.20	44.20	15.38	7.16	0.05	0.00	0.00	
15	0.00	0.40	8.00	3.02	2.67	25.70	45.72	15.38	6.34	0.10	0.00	0.00	
16	0.00	0.71	7.86	2.88	3.02	28.12	48.92	14.10	5.82	0.10	0.00	0.00	
17	0.00	1.06	6.60	2.60	3.16	28.28	52.70	13.78	5.30	0.05	0.00	0.00	
18	0.00	1.60	4.78	2.42	3.44	27.10	54.50	13.46	4.91	0.00	0.00	0.00	
19	0.00	2.54	4.91	2.12	4.64	24.86	55.40	13.14	4.26	0.00	0.00	0.00	
20	0.00	3.89	5.17	1.88	7.60	23.74	57.62	12.98	3.89	0.00	0.00	0.00	
21	0.00	4.52	5.17	2.18	11.75	23.18	61.70	13.14	4.00	0.00	0.00	0.00	
22	0.00	4.13	5.17	3.30	15.50	21.50	65.56	13.30	3.23	0.00	0.00	0.00	
23	0.00	4.00	5.04	7.20	18.92	21.78	66.28	13.78	2.81	0.00	0.00	0.00	
24	0.00	3.67	4.91	6.98	23.74	25.56	64.84	12.98	3.23	0.00	0.00	0.00	
25	0.00	3.34	4.52	5.10	24.16	28.76	64.12	12.82	2.81	0.00	0.00	0.00	
26	0.00	3.34	3.78	3.75	22.48	29.24	64.12	13.46	2.72	0.00	0.00	0.00	
27	0.00	3.67	3.12	2.74	21.92	27.38	63.40	13.14	2.63	0.00	0.00	0.00	
28	0.00	5.30	2.36	2.01	20.94	24.58	62.72	12.50	2.63	0.00	0.00	0.00	
29	0.00	5.95	1.68	1.59	20.28	25.14	62.60	12.20	2.27	0.00		0.00	
30	8.15	6.74	1.28	1.17	20.02	27.96	56.60	12.05	2.09	0.00		0.00	
31		7.86		0.86	18.07		48.28		2.00	0.00		0.00	
TOTAL	8.15	127.90	131.36	105.73	251.94	631.47	1710.09	538.99	207.22	14.71	0.00	0.00	3727.56 CMSDAY
MEAN	0.27	4.13	4.38	3.41	8.13	21.05	55.16	17.97	6.68	0.47	0.00	0.00	10.21 CMS
MAX	8.15	10.40	9.20	7.20	24.16	29.24	66.28	40.68	12.35	1.68	0.00	0.00	66.28 CMS
MIN	0.00	0.35	1.28	0.86	0.18	12.40	33.32	12.05	2.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.704	11.051	11.350	9.135	21.768	54.559	147.752	46.569	17.904	1.271	0.000	0.000	322.061 MCM

MOMENTARY PEAK 66.64 CMS, AT 163.49 M (MSL), AT 6.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 2.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

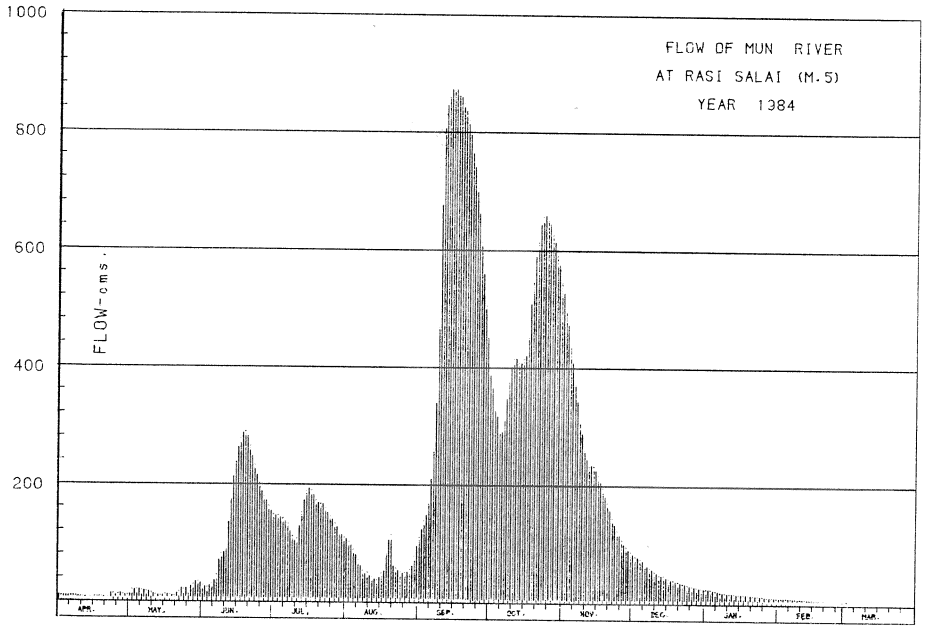
MUN RIVER AT RASI SALAI, SI SA KET (M.5)

LOCATION	LAT. 15-20-16 N., LONG. 103-09-29 E., ON LEFT BANK INFRONT OF AMPHOE RASI SALAI OFFICE, SI SA KET.
DRAINAGE AREA	44,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+110.00 M. (M.S.L.)
BENCH MARK	B.M. OF ARMY SURVEY DEPARTMENT NO.801
LOCATION	ON LEFT BANK ABOUT 2.5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+122.385 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 104 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	110.36	110.39	110.71	112.03	111.62	112.61	114.23	115.27	111.38	110.66	110.37	110.25	
2	110.34	110.56	110.66	112.01	111.57	112.84	114.01	115.07	111.34	110.66	110.37	110.23	
3	110.33	110.55	110.64	112.01	111.51	113.09	113.74	114.85	111.33	110.65	110.37	110.22	
4	110.32	110.57	110.69	111.98	111.44	113.24	113.61	114.61	111.30	110.62	110.37	110.22	
5	110.32	110.56	110.74	111.96	111.35	113.60	113.40	114.36	111.27	110.61	110.37	110.22	
6	110.34	110.53	110.84	111.91	111.26	114.13	113.37	114.10	111.22	110.60	110.35	110.22	
7	110.34	110.52	110.97	111.87	111.16	114.74	113.60	113.82	111.18	110.56	110.35	110.22	
8	110.32	110.52	111.25	111.74	111.07	115.50	113.86	113.56	111.14	110.55	110.34	110.21	
9	110.31	110.50	111.35	111.66	111.01	116.28	114.12	113.35	111.12	110.55	110.33	110.21	
10	110.29	110.46	111.38	111.58	111.04	116.98	114.30	113.13	111.07	110.53	110.33	110.20	
11	110.28	110.42	111.51	111.62	110.97	117.35	114.40	112.96	111.05	110.52	110.33	110.19	
12	110.27	110.39	111.89	111.83	110.94	117.59	114.41	112.85	111.01	110.52	110.32	110.18	
13	110.25	110.36	112.35	112.06	110.90	117.71	114.35	112.87	111.00	110.51	110.31	110.17	
14	110.26	110.34	112.67	112.27	110.87	117.78	114.35	112.85	111.00	110.50	110.31	110.16	
15	110.25	110.36	112.93	112.42	110.94	117.80	114.40	112.79	110.95	110.49	110.31	110.15	
16	110.28	110.41	113.12	112.47	111.02	117.78	114.45	112.71	110.93	110.49	110.30	110.14	
17	110.30	110.40	113.25	112.44	111.06	117.75	114.71	112.60	110.91	110.49	110.29	110.13	
18	110.30	110.38	113.34	112.36	111.40	117.69	115.13	112.50	110.90	110.48	110.28	110.13	
19	110.29	110.35	113.36	112.27	111.60	117.61	115.47	112.36	110.88	110.47	110.26	110.12	
20	110.27	110.34	113.29	112.23	111.68	117.52	115.75	112.25	110.86	110.47	110.26	110.11	
21	110.24	110.43	113.14	112.21	111.68	117.40	115.98	112.12	110.84	110.46	110.25	110.10	
22	110.23	110.50	112.99	112.21	111.59	117.23	116.14	111.99	110.81	110.45	110.24	110.10	
23	110.42	110.60	112.85	112.14	111.50	117.05	116.23	111.88	110.80	110.45	110.23	110.10	
24	110.42	110.58	112.70	112.06	111.40	116.84	116.25	111.78	110.77	110.43	110.22	110.11	
25	110.35	110.61	112.56	112.00	111.32	116.58	116.22	111.70	110.75	110.42	110.22	110.15	
26	110.41	110.62	112.42	111.95	111.33	116.27	116.15	111.62	110.73	110.41	110.22	110.19	
27	110.43	110.67	112.33	111.88	111.40	115.92	116.06	111.55	110.72	110.40	110.22	110.14	
28	110.40	110.73	112.26	111.82	111.53	115.52	115.93	111.50	110.70	110.40	110.22	110.12	
29	110.37	110.81	112.17	111.74	111.68	115.10	115.79	111.45	110.68	110.39		110.11	
30	110.37	110.81	112.09	111.69	112.01	114.68	115.64	111.42	110.67	110.38		110.10	
31		110.77		111.64	112.36		115.46		110.66	110.37		110.08	
MEAN	110.32	110.52	112.08	112.00	111.36	116.07	114.89	112.86	110.97	110.50	110.30	110.16	
MAX	110.43	110.81	113.36	112.47	112.36	117.80	116.25	115.27	111.38	110.66	110.37	110.25	117.80
MIN	110.23	110.34	110.64	111.58	110.87	112.61	113.37	111.42	110.66	110.37	110.22	110.08	110.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 117.80 M (MSL), AT 21.00 HOURS, ON SEP 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 110.00 M (MSL), RIVER BED 109.11 M (MSL)
LEFT BANK ELEVATION 124.45 M (MSL)
RIGHT BANK ELEVATION 122.64 M (MSL), DRAINAGE AREA 44275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.4	11.6	28.6	149.0	108.0	110.6	391.9	527.1	84.0	25.6	10.8	6.5	
2	9.6	20.0	25.6	147.0	103.0	124.4	365.2	501.1	80.0	25.6	10.8	5.9	
3	9.2	19.5	24.4	147.0	97.0	139.4	332.8	472.5	79.0	25.0	10.8	5.6	
4	8.8	20.5	27.4	144.0	90.0	148.4	317.2	441.3	76.0	23.2	10.8	5.6	
5	8.8	20.0	30.4	142.0	81.0	172.0	293.8	408.8	73.0	22.6	10.8	5.6	
6	9.6	18.5	36.4	137.0	72.0	210.4	290.4	376.0	68.0	22.0	10.0	5.6	
7	9.6	18.0	45.6	133.0	62.4	260.6	316.0	342.4	64.2	20.0	10.0	5.6	
8	8.8	18.0	71.0	120.0	54.3	339.0	347.2	311.6	60.6	19.5	9.6	5.3	
9	8.4	17.0	81.0	112.0	48.9	472.0	378.4	288.2	58.8	19.5	9.2	5.3	
10	7.7	15.0	84.0	104.0	51.6	676.8	401.0	263.8	54.3	18.5	9.2	5.0	
11	7.4	13.0	97.0	108.0	45.6	813.0	414.0	244.9	52.5	18.0	9.2	4.7	
12	7.1	11.6	135.0	129.0	43.2	846.6	415.3	232.7	48.9	18.0	8.8	4.4	
13	6.5	10.4	181.0	152.0	40.0	863.4	407.5	234.9	48.0	17.5	8.4	4.1	
14	6.8	9.6	213.0	173.0	38.2	873.2	407.5	232.7	48.0	17.0	8.4	3.8	
15	6.5	10.4	241.6	188.0	43.2	876.0	414.0	226.0	44.0	16.5	8.4	3.5	
16	7.4	12.5	262.7	193.0	49.8	873.2	420.5	217.1	42.4	16.5	8.0	3.2	
17	8.0	12.0	277.1	190.0	53.4	869.0	454.3	206.0	40.8	16.5	7.7	2.9	
18	8.0	11.2	287.1	182.0	86.0	860.6	508.9	196.0	40.0	16.0	7.4	2.9	
19	7.7	10.0	289.3	173.0	106.0	849.4	553.1	182.0	38.8	15.5	6.8	2.6	
20	7.1	9.6	281.6	169.0	114.0	836.8	589.5	171.0	37.6	15.5	6.8	2.3	
21	6.2	13.5	264.9	167.0	62.2	820.0	621.2	158.0	36.4	15.0	6.5	2.0	
22	5.9	17.0	248.2	167.0	58.6	796.2	643.6	145.0	34.6	14.5	6.2	2.0	
23	13.0	22.0	232.7	160.0	55.0	771.0	656.2	134.0	34.0	14.5	5.9	2.0	
24	13.0	21.0	216.0	152.0	52.0	741.6	659.0	124.0	32.2	13.5	5.6	2.3	
25	10.0	22.6	202.0	146.0	50.4	705.2	654.8	116.0	31.0	13.0	5.6	3.5	
26	12.5	23.2	188.0	141.0	50.6	661.8	645.0	108.0	29.8	12.5	5.6	4.7	
27	13.5	26.2	179.0	134.0	52.0	612.8	632.4	101.0	29.2	12.0	5.6	3.2	
28	12.0	29.8	172.0	128.0	56.2	559.6	614.2	96.0	28.0	12.0	5.6	2.6	
29	10.8	34.6	163.0	120.0	62.2	505.0	594.7	91.0	26.8	11.6		2.3	
30	10.8	34.6	155.0	115.0	78.5	450.4	575.2	88.0	26.2	11.2		2.0	
31		32.2		110.0	96.0		551.8		25.6	10.8		1.6	
TOTAL	271.1	565.1	4740.6	4532.0	2061.3	17838.4	14866.6	7237.1	1472.7	529.1	228.5	118.6	54461.1 CMSDAY
MEAN	9.0	18.2	158.0	146.2	66.5	594.6	479.6	241.2	47.5	17.1	8.2	3.8	149.2 CMS
MAX	13.5	34.6	289.3	193.0	114.0	876.0	659.0	527.1	84.0	25.6	10.8	6.5	876.0 CMS
MIN	5.9	9.6	24.4	104.0	38.2	110.6	290.4	88.0	25.6	10.8	5.6	1.6	1.6 CMS
RUNOFF	23.42	48.82	409.59	391.56	178.10	1541.24	1284.47	625.29	127.24	45.71	19.74	10.25	4705.44 MCM

MOMENTARY PEAK 876.00 CMS, AT 117.80 M (MSL), AT 21.00 HOURS, ON SEP 15, 1984

RUNOFF YIELD 3.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

MUN RIVER AT SATUK, BURI RAM(M.6A)

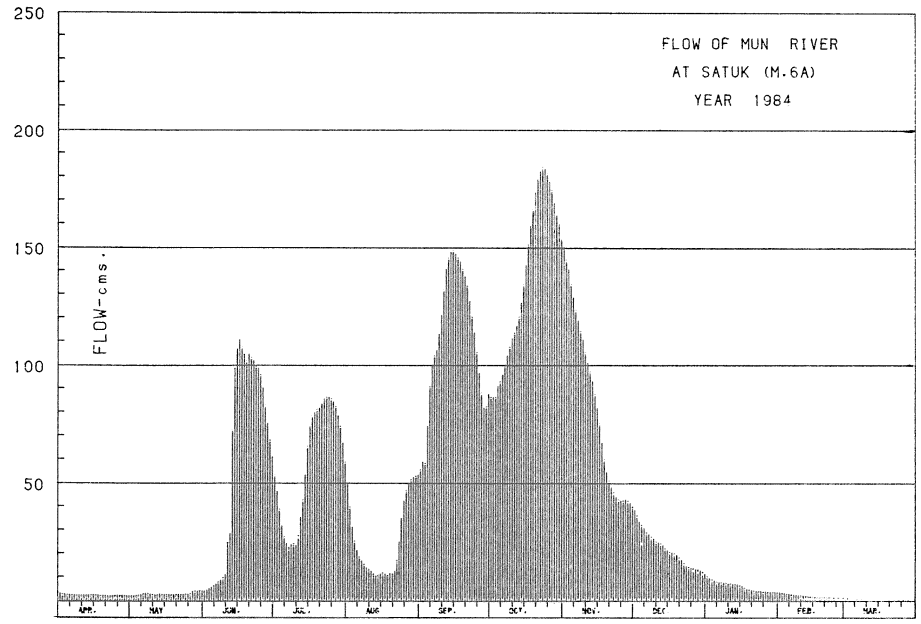
LOCATION LAT. 15-17-44 N., LONG. 103-17-51 E., ON RIGHT BANK AT SATUK, BURI RAM.

DRAINAGE AREA	28,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+124.00 M. (M.S.L.)
BENCH MARK	B.M.-B.M.P.1383
LOCATION	INFRONT OF THE POST OFFICE AND ABOUT 80 METERS FROM STAFF GAGE LINE.
ELEVATION	+132.3289 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 141 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.92	124.85	124.98	126.29	126.21	126.33	126.83	127.68	125.99	125.25	124.94	124.78	
2	124.91	124.85	125.00	126.15	126.02	126.39	126.83	127.61	125.94	125.22	124.93	124.77	
3	124.90	124.86	125.03	126.00	125.83	126.38	126.83	127.56	125.88	125.20	124.92	124.77	
4	124.89	124.87	125.06	125.84	125.70	126.64	126.90	127.48	125.85	125.18	124.91	124.76	
5	124.89	124.88	125.09	125.74	125.60	126.90	126.93	127.41	125.82	125.16	124.90	124.75	
6	124.88	124.91	125.12	125.67	125.52	127.03	126.97	127.34	125.78	125.15	124.89	124.74	
7	124.87	124.92	125.16	125.63	125.47	127.08	127.03	127.28	125.76	125.15	124.88	124.73	
8	124.87	124.92	125.19	125.66	125.43	127.11	127.08	127.22	125.74	125.14	124.87	124.72	
9	124.87	124.90	125.23	125.67	125.38	127.20	127.13	127.17	125.72	125.14	124.86	124.72	
10	124.87	124.89	125.28	125.65	125.36	127.31	127.18	127.10	125.69	125.13	124.86	124.71	
11	124.87	124.88	125.68	125.75	125.33	127.45	127.21	127.04	125.68	125.13	124.85	124.71	
12	124.87	124.88	125.77	125.92	125.29	127.56	127.25	126.99	125.67	125.12	124.84	124.71	
13	124.87	124.90	126.62	126.08	125.26	127.62	127.30	126.93	125.65	125.12	124.83	124.70	
14	124.88	124.89	127.01	126.29	125.27	127.65	127.38	126.85	125.62	125.11	124.83	124.70	
15	124.88	124.89	127.13	126.51	125.29	127.66	127.48	126.76	125.60	125.10	124.82	124.70	
16	124.88	124.89	127.17	126.64	125.31	127.64	127.58	126.66	125.58	125.08	124.81	124.70	
17	124.87	124.89	127.13	126.71	125.29	127.62	127.69	126.53	125.57	125.05	124.80	124.69	
18	124.86	124.88	127.09	126.73	125.27	127.60	127.79	126.41	125.56	125.02	124.80	124.69	
19	124.86	124.88	127.05	126.75	125.30	127.56	127.87	126.31	125.54	125.01	124.80	124.69	
20	124.86	124.89	127.09	126.76	125.29	127.52	127.95	126.24	125.51	125.00	124.80	124.69	
21	124.85	124.89	127.07	126.80	125.33	127.47	128.02	126.18	125.48	124.99	124.80	124.68	
22	124.85	124.89	127.05	126.82	125.48	127.39	128.05	126.14	125.44	124.98	124.80	124.68	
23	124.85	124.89	127.02	126.83	125.69	127.30	128.07	126.10	125.40	124.97	124.80	124.68	
24	124.86	124.90	127.01	126.83	125.91	127.21	128.06	126.08	125.39	124.97	124.79	124.67	
25	124.87	124.90	126.97	126.82	126.07	127.10	128.04	126.07	125.38	124.96	124.79	124.67	
26	124.86	124.92	126.89	126.80	126.16	126.98	128.00	126.07	125.37	124.96	124.79	124.68	
27	124.86	124.97	126.78	126.77	126.22	126.86	127.96	126.08	125.36	124.96	124.79	124.69	
28	124.86	124.98	126.66	126.71	126.25	126.76	127.90	126.07	125.35	124.95	124.78	124.69	
29	124.85	124.98	126.55	126.64	126.27	126.77	127.85	126.05	125.34	124.95		124.68	
30	124.85	124.99	126.43	126.53	126.28	126.85	127.80	126.02	125.32	124.95		124.67	
31		124.98		126.39	126.29		127.73		125.29	124.94		124.66	
MEAN	124.87	124.90	126.24	126.33	125.66	127.16	127.51	126.71	125.59	125.07	124.84	124.71	
MAX	124.92	124.99	127.17	126.83	126.29	127.66	128.07	127.68	125.99	125.25	124.94	124.78	128.07
MIN	124.85	124.85	124.98	125.63	125.26	126.33	126.83	126.02	125.29	124.94	124.78	124.66	124.66

ANNUAL MAX MOMENTARY GAGE HEIGHT 128.07 M (MSL), AT 7.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 124.00 M (MSL), RIVER BED 121.40 M (MSL)
LEFT BANK ELEVATION 131.94 M (MSL)
RIGHT BANK ELEVATION 132.84 M (MSL), DRAINAGE AREA 28275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.14	2.10	4.16	53.50	49.50	55.65	86.45	150.40	38.55	10.35	3.48	1.21	
2	2.97	2.10	4.50	46.50	40.00	58.95	86.45	144.80	36.30	9.54	3.31	1.11	
3	2.80	2.24	5.13	39.00	31.35	58.40	86.45	140.80	33.60	9.00	3.14	1.11	
4	2.66	2.38	5.76	31.80	25.50	74.10	91.00	134.40	32.25	8.52	2.97	1.02	
5	2.66	2.52	6.39	27.30	21.50	91.00	93.10	128.80	30.90	8.04	2.80	0.93	
6	2.52	2.97	7.08	24.30	18.70	100.25	95.90	123.50	29.10	7.80	2.66	0.83	
7	2.38	3.14	8.04	22.70	16.98	104.00	100.25	119.00	28.20	7.80	2.52	0.74	
8	2.38	3.14	8.76	23.90	15.62	106.25	104.00	114.50	27.30	7.56	2.38	0.64	
9	2.38	2.80	9.81	24.30	14.02	113.00	107.75	110.75	26.40	7.56	2.24	0.64	
10	2.38	2.66	11.16	23.90	13.44	121.25	111.50	105.50	25.10	7.32	2.24	0.55	
11	2.38	2.52	24.70	27.75	12.57	132.00	113.75	101.00	24.70	7.32	2.10	0.55	
12	2.38	2.52	38.65	35.40	11.43	140.80	116.75	97.30	24.30	7.08	1.96	0.55	
13	2.38	2.80	72.80	48.00	10.63	145.60	120.50	93.10	23.50	7.08	1.82	0.45	
14	2.52	2.66	98.75	53.50	10.89	148.00	126.50	87.75	22.30	6.84	1.82	0.45	
15	2.52	2.66	107.75	65.65	11.43	148.80	134.40	81.90	21.50	6.60	1.68	0.45	
16	2.52	2.66	110.75	74.10	11.99	147.20	142.40	75.40	20.80	6.18	1.54	0.45	
17	2.38	2.66	107.75	78.65	11.43	145.60	151.20	66.95	20.45	5.55	1.40	0.41	
18	2.24	2.52	104.75	79.95	10.89	144.00	159.20	60.05	20.10	4.92	1.40	0.41	
19	2.24	2.52	101.75	81.25	11.70	140.80	166.30	54.55	19.40	4.71	1.40	0.41	
20	2.24	2.66	104.75	81.90	11.43	137.60	173.50	51.00	18.35	4.50	1.40	0.41	
21	2.10	2.66	103.25	84.50	12.57	133.60	179.80	48.00	17.32	4.33	1.40	0.36	
22	2.10	2.66	101.75	85.80	17.32	127.25	182.50	46.00	15.96	4.16	1.40	0.36	
23	2.10	2.66	99.50	86.45	25.10	120.50	184.30	44.00	14.60	3.99	1.40	0.36	
24	2.24	2.80	98.75	86.45	34.95	113.75	183.40	43.00	14.31	3.99	1.30	0.32	
25	2.38	2.80	95.90	85.80	42.50	105.50	181.60	42.50	14.02	3.82	1.30	0.32	
26	2.24	3.14	90.35	84.50	47.00	96.60	178.00	42.50	13.73	3.82	1.30	0.36	
27	2.24	3.99	83.20	82.55	50.00	88.40	174.40	43.00	13.44	3.82	1.30	0.41	
28	2.24	4.16	75.40	78.65	51.50	81.90	169.00	42.50	13.15	3.65	1.21	0.41	
29	2.10	4.16	68.25	74.10	52.50	82.55	164.50	41.50	12.86	3.65		0.36	
30	2.10	4.33	61.15	66.95	53.00	87.75	160.00	40.00	12.28	3.65		0.32	
31		4.16		58.95	53.50		154.40		11.43	3.48		0.27	
TOTAL	71.91	89.75	1810.69	1812.65	800.93	3351.05	4279.25	2474.45	676.20	186.63	54.87	17.17	15625.55 CMSDAY
MEAN	2.40	2.90	60.36	58.47	25.84	111.70	138.04	82.48	21.81	6.02	1.96	0.55	42.81 CMS
MAX	3.14	4.33	110.75	86.45	53.50	148.80	184.30	150.40	38.55	10.35	3.48	1.21	184.30 CMS
MIN	2.10	2.10	4.16	22.70	10.62	55.65	86.45	40.00	11.43	3.48	1.21	0.27	0.27 CMS
RUNOFF	6.213	7.754	156.444	156.613	69.200	289.531	369.727	213.792	58.424	16.125	4.741	1.483	1350.048 MCM

MOMENTARY PEAK 184.30 CMS, AT 128.07 M (MSL), AT 7.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 1.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 6.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

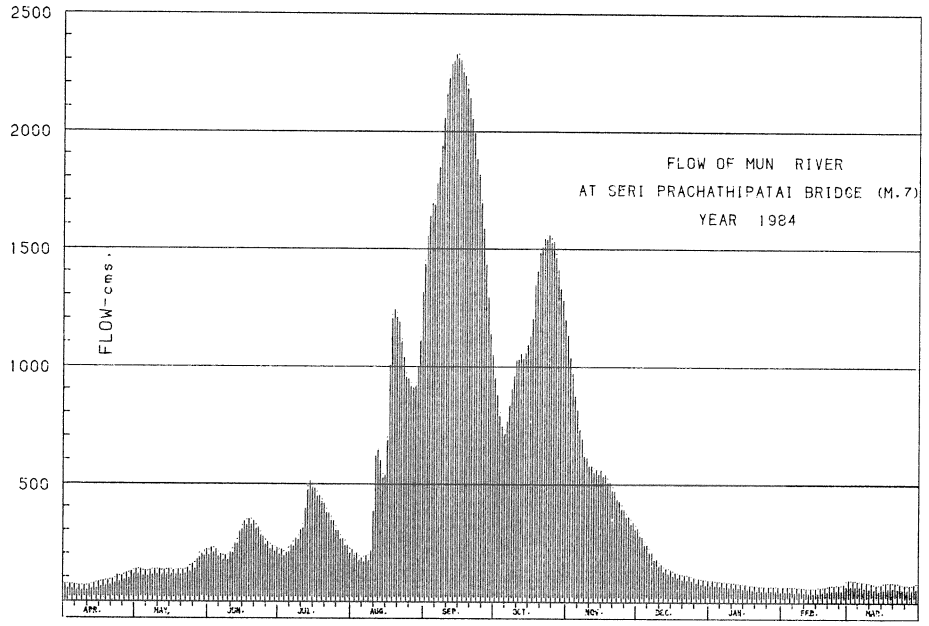
MUN RIVER AT SERI PRACHATHIPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15-13-17 N., LONG. 104-51-39 E., ON LEFT BANK AT THE SERI PRACHATHIPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+105.00 M.(M.S.L.)
BENCH MARK	B.M.-DEPARTMENT OF LANDS.
LOCATION	NEAR THE FENCE OF THE GOVERNOR OF THE PROVINCE' HOUSE.
ELEVATION	+116.895 M.(M.S.L.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1944 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 - 1958, 1964 - 1981, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 - 1958, 1964 - 1981, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.71	107.08	107.49	107.51	107.50	111.09	109.95	110.37	107.90	106.83	106.65	106.84	
2	106.71	107.08	107.53	107.50	107.50	111.31	109.73	110.18	107.83	106.83	106.65	106.83	
3	106.71	107.08	107.53	107.47	107.43	111.52	109.53	109.97	107.74	106.81	106.65	106.83	
4	106.70	107.05	107.50	107.44	107.37	111.60	109.36	109.76	107.66	106.81	106.65	106.82	
5	106.69	107.04	107.45	107.54	107.33	111.63	109.32	109.56	107.59	106.80	106.65	106.81	
6	106.68	107.04	107.41	107.58	107.36	111.77	109.42	109.36	107.53	106.79	106.65	106.81	
7	106.67	107.06	107.39	107.65	107.38	111.95	109.65	109.21	107.45	106.79	106.64	106.80	
8	106.67	107.07	107.38	107.70	107.39	112.10	109.80	109.04	107.38	106.78	106.63	106.79	
9	106.66	107.08	107.39	107.77	107.47	112.37	109.97	108.97	107.31	106.78	106.63	106.78	
10	106.67	107.08	107.44	107.86	108.24	112.54	110.11	108.91	107.24	106.77	106.62	106.76	
11	106.68	107.08	107.52	107.97	108.99	112.69	110.17	108.86	107.20	106.76	106.61	106.75	
12	106.71	107.06	107.61	108.22	109.12	112.78	110.18	108.83	107.14	106.75	106.61	106.72	
13	106.73	107.06	107.69	108.57	108.93	112.83	110.18	108.81	107.11	106.75	106.61	106.71	
14	106.75	107.07	107.83	108.65	108.75	112.86	110.19	108.81	107.10	106.73	106.61	106.70	
15	106.77	107.08	107.95	108.61	108.73	112.86	110.31	108.80	107.08	106.73	106.61	106.72	
16	106.79	107.07	108.01	108.54	109.23	112.81	110.36	108.77	107.05	106.72	106.63	106.76	
17	106.80	107.05	108.04	108.49	110.06	112.74	110.57	108.74	107.01	106.72	106.64	106.78	
18	106.81	107.07	108.05	108.43	110.57	112.68	110.86	108.69	107.00	106.70	106.64	106.78	
19	106.82	107.07	108.05	108.37	110.62	112.61	111.03	108.63	106.98	106.69	106.65	106.78	
20	106.83	107.07	108.02	108.30	110.59	112.50	111.16	108.56	106.96	106.69	106.67	106.77	
21	106.84	107.07	107.96	108.22	110.50	112.36	111.25	108.50	106.96	106.68	106.69	106.77	
22	106.87	107.08	107.91	108.15	110.33	112.21	111.29	108.42	106.95	106.67	106.69	106.76	
23	106.94	107.11	107.83	108.10	110.14	112.02	111.32	108.34	106.94	106.66	106.69	106.74	
24	106.92	107.16	107.74	108.02	109.97	111.85	111.32	108.28	106.92	106.66	106.70	106.72	
25	106.92	107.20	107.68	107.93	109.91	111.63	111.29	108.21	106.90	106.66	106.70	106.71	
26	106.95	107.23	107.64	107.85	109.87	111.38	111.26	108.15	106.88	106.66	106.70	106.70	
27	106.99	107.30	107.60	107.77	109.81	111.08	111.15	108.10	106.87	106.66	106.73	106.70	
28	107.00	107.43	107.57	107.70	109.87	110.74	111.00	108.05	106.86	106.66	106.82	106.70	
29	107.02	107.41	107.56	107.67	110.03	110.41	110.86	108.00	106.85	106.66		106.72	
30	107.06	107.47	107.53	107.58	110.35	110.17	110.71	107.95	106.84	106.65		106.75	
31		107.50		107.52	110.79		110.56		106.84	106.65		106.76	
MEAN	106.80	107.14	107.68	107.96	109.10	111.97	110.45	108.83	107.16	106.73	106.66	106.76	
MAX	107.06	107.50	108.05	108.65	110.79	112.86	111.32	110.37	107.90	106.83	106.82	106.84	112.86
MIN	106.66	107.04	107.38	107.44	107.33	110.17	109.32	107.95	106.84	106.65	106.61	106.70	106.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 112.87 M (MSL), AT 6.00 HOURS, ON SEP 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 105.00 M (MSL), RIVER BED 100.99 M (MSL)
LEFT BANK ELEVATION 120.88 M (MSL)
RIGHT BANK ELEVATION 117.44 M (MSL), DRAINAGE AREA 106673 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	73.5	137.4	219.8	224.3	222.0	1450.5	963.5	1133.4	313.0	92.4	64.5	94.2	
2	73.5	137.4	228.8	222.0	222.0	1553.8	877.7	1054.0	297.1	92.4	64.5	92.4	
3	73.5	137.4	228.8	215.4	206.6	1654.6	804.8	971.3	276.6	88.8	64.5	92.4	
4	72.0	132.0	222.0	208.8	194.0	1693.0	745.0	889.4	258.4	88.8	64.5	90.6	
5	70.5	130.2	211.0	231.1	186.0	1707.4	731.0	815.6	242.5	87.0	64.5	88.8	
6	69.0	130.2	202.2	240.2	192.0	1775.3	766.0	745.0	228.8	85.5	64.5	88.8	
7	67.5	133.8	198.0	256.1	196.0	1863.5	848.0	692.5	211.0	85.5	63.0	87.0	
8	67.5	135.6	196.0	267.5	198.0	1937.0	905.0	634.8	196.0	84.0	61.5	85.5	
9	66.0	137.4	198.0	283.4	215.4	2071.4	971.3	612.7	182.0	84.0	61.5	84.0	
10	67.5	137.4	208.8	303.9	400.8	2159.8	1026.0	594.1	168.0	82.5	60.0	81.0	
11	69.0	137.4	226.5	330.5	618.9	2237.8	1050.0	578.6	160.0	81.0	58.5	79.5	
12	73.5	133.8	247.0	395.4	661.0	2284.6	1054.0	569.3	148.6	79.5	58.5	75.0	
13	76.5	133.8	265.2	491.3	600.3	2310.6	1054.0	563.1	142.9	79.5	58.5	73.5	
14	79.5	135.6	297.1	514.5	544.5	2326.2	1058.0	563.1	141.0	76.5	58.5	72.0	
15	82.5	137.4	325.5	502.9	538.3	2326.2	1108.2	560.0	137.4	76.5	58.5	75.0	
16	85.5	135.6	340.5	482.6	699.5	2300.2	1129.2	550.7	132.0	75.0	61.5	81.0	
17	87.0	132.0	348.0	468.3	1006.4	2263.8	1219.1	541.4	124.8	75.0	63.0	84.0	
18	88.8	135.6	350.5	452.1	1219.1	2232.6	1347.0	526.1	123.0	72.0	63.0	84.0	
19	90.6	135.6	350.5	435.9	1240.6	2196.2	1423.5	508.7	119.4	70.5	64.5	84.0	
20	92.4	135.6	343.0	417.0	1227.7	2139.0	1483.2	488.4	115.8	70.5	67.5	82.5	
21	94.2	135.6	328.0	395.4	1189.0	2066.2	1525.5	471.0	115.8	69.0	70.5	82.5	
22	99.6	137.4	315.5	376.5	1116.6	1990.9	1544.3	449.4	114.0	67.5	70.5	81.0	
23	112.2	142.9	297.1	363.0	1038.0	1897.8	1558.6	427.8	112.2	66.0	70.5	78.0	
24	108.6	152.4	276.6	343.0	971.3	1814.5	1558.6	411.6	108.6	66.0	72.0	75.0	
25	108.6	160.0	262.9	320.5	947.9	1707.4	1544.3	392.7	105.0	66.0	72.0	73.5	
26	114.0	166.0	253.8	301.6	932.3	1587.4	1530.2	376.5	101.4	66.0	72.0	72.0	
27	121.2	180.0	244.7	283.4	908.9	1446.0	1478.5	363.0	99.6	66.0	76.5	72.0	
28	123.0	206.6	237.9	267.5	932.3	1293.0	1410.0	350.5	97.8	66.0	90.6	72.0	
29	126.6	202.2	235.6	260.7	994.7	1150.3	1347.0	338.0	96.0	66.0		75.0	
30	133.8	215.4	228.8	240.2	1125.0	1050.0	1279.5	325.5	94.2	64.5		79.5	
31		222.0		226.5	1315.5		1214.8		94.2	64.5		81.0	
TOTAL	2667.6	4621.7	7888.1	10321.5	22060.6	56487.0	36555.8	17498.2	4857.1	2354.4	1839.6	2516.7	169668.3 CMSDAY
MEAN	88.9	149.1	262.9	333.0	711.6	1882.9	1179.2	583.3	156.7	75.9	65.7	81.2	464.8 CMS
MAX	133.8	222.0	350.5	514.5	1315.5	2326.2	1558.6	1133.4	313.0	92.4	90.6	94.2	2326.2 CMS
MIN	66.0	130.2	196.0	208.8	186.0	1050.0	731.0	325.5	94.2	64.5	58.5	72.0	58.5 CMS
RUNOFF	230.48	399.31	681.53	891.78	1906.04	4880.48	3158.42	1511.84	419.65	203.42	158.94	217.44	14659.34 MCM

MOMENTARY PEAK 2331.40 CMS, AT 112.87 M (MSL), AT 6.00 HOURS, ON SEP 15, 1984

RUNOFF YIELD 4.36 LITERS/SECOND/SQUARE KM, MOMENTAPY PEAK YIELD 21.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

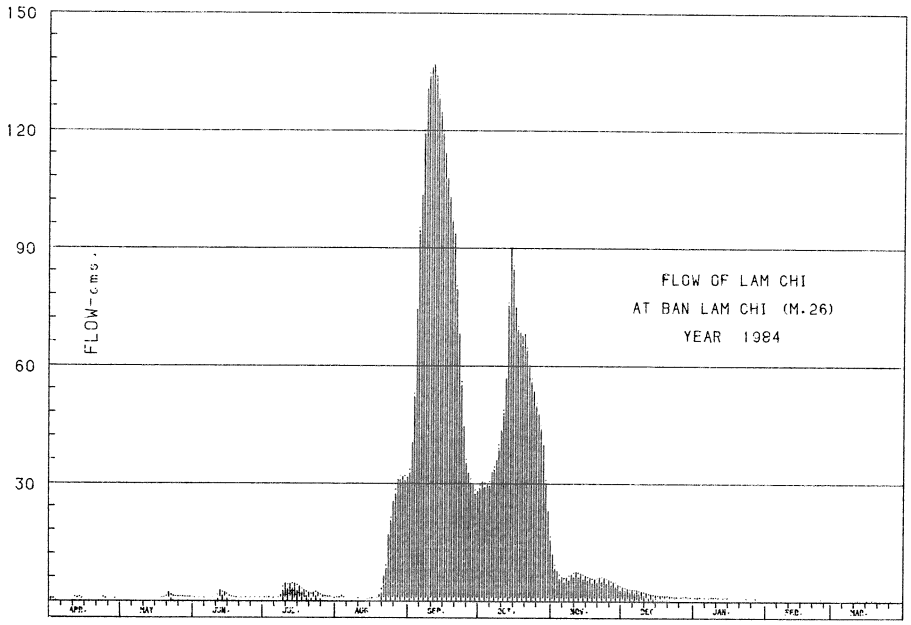
LAM CHI AT BAN LAM CHI, SURIN (M.26)

LOCATION	LAT. 14-54-03 N., LONG. 103-24-21 E., ON LEFT BANK AT RAILWAY BRIDGE, BAN LAM CHI, AMPHOE MUANG, SURIN.
DRAINAGE AREA	2,927 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+127.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+135.010 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 122 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	127.60	127.48	127.64	127.65	127.68	130.99	130.77	129.54	128.42	127.64	127.57	127.50	
2	127.58	127.51	127.65	127.68	127.68	131.34	130.82	129.28	128.37	127.69	127.56	127.49	
3	127.55	127.53	127.62	127.69	127.80	131.90	130.80	129.11	128.32	127.70	127.56	127.47	
4	127.51	127.49	127.63	127.64	127.67	132.68	130.77	128.97	128.29	127.67	127.59	127.45	
5	127.51	127.49	127.61	127.64	127.52	133.57	130.82	128.89	128.27	127.65	127.58	127.46	
6	127.50	127.57	127.58	127.64	127.56	134.44	130.95	128.85	128.26	127.63	127.57	127.46	
7	127.49	127.51	127.62	127.65	127.62	135.35	131.03	128.87	128.25	127.62	127.55	127.46	
8	127.50	127.46	127.62	127.86	127.63	135.61	131.12	128.93	128.20	127.70	127.57	127.46	
9	127.51	127.46	127.63	128.47	127.65	135.67	131.32	128.98	128.17	127.68	127.53	127.46	
10	127.64	127.53	127.66	128.61	127.61	135.69	131.49	129.04	128.12	127.69	127.53	127.45	
11	127.70	127.47	127.89	128.57	127.59	135.71	131.72	129.08	128.05	127.65	127.51	127.44	
12	127.65	127.44	128.21	128.58	127.58	135.66	132.04	129.05	127.98	127.65	127.48	127.43	
13	127.70	127.48	128.13	128.62	127.58	135.58	132.74	129.02	127.93	127.62	127.49	127.46	
14	127.61	127.47	128.08	128.60	127.50	135.48	133.20	128.97	127.89	127.67	127.49	127.46	
15	127.52	127.47	127.96	128.54	127.57	135.35	133.05	128.94	127.86	127.65	127.48	127.45	
16	127.64	127.48	127.82	128.46	127.61	135.14	132.70	128.89	127.84	127.60	127.55	127.44	
17	127.61	127.58	127.75	128.34	127.62	134.85	132.53	128.87	127.82	127.58	127.51	127.44	
18	127.57	127.62	127.69	128.24	127.64	134.40	132.47	128.83	127.81	127.57	127.46	127.44	
19	127.53	127.68	127.66	128.14	127.86	133.86	132.48	128.81	127.81	127.59	127.44	127.44	
20	127.49	127.78	127.66	128.06	128.35	133.33	132.46	128.85	127.80	127.59	127.44	127.44	
21	127.51	128.07	127.62	128.00	128.91	132.88	132.33	128.88	127.77	127.58	127.46	127.44	
22	127.66	127.91	127.67	128.06	129.27	132.46	132.17	128.87	127.75	127.59	127.55	127.43	
23	127.70	127.79	127.66	128.15	129.94	132.01	132.04	128.86	127.73	127.59	127.57	127.41	
24	127.60	127.76	127.66	128.05	130.26	131.54	131.92	128.82	127.72	127.58	127.53	127.42	
25	127.58	127.74	127.64	127.91	130.52	131.13	131.80	128.78	127.71	127.56	127.52	127.44	
26	127.55	127.74	127.60	127.82	130.71	130.94	131.67	128.72	127.69	127.58	127.48	127.44	
27	127.58	127.73	127.66	127.78	130.85	130.86	131.55	128.68	127.73	127.58	127.50	127.44	
28	127.57	127.71	127.63	127.75	130.90	130.77	131.31	128.67	127.74	127.58	127.52	127.44	
29	127.55	127.72	127.65	127.75	130.89	130.70	130.84	128.56	127.69	127.59		127.44	
30	127.51	127.71	127.65	127.68	130.90	130.68	130.37	128.48	127.68	127.58		127.44	
31		127.67		127.63	130.88		129.91		127.67	127.56		127.44	
MEAN	127.57	127.61	127.72	128.04	128.62	133.35	131.65	128.90	127.95	127.62	127.52	127.45	
MAX	127.70	128.07	128.21	128.62	130.90	135.71	133.20	129.54	128.42	127.70	127.59	127.50	135.71
MIN	127.49	127.44	127.58	127.63	127.50	130.68	129.91	128.48	127.67	127.56	127.44	127.41	127.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.71 M (MSL), AT 1.00 HOURS, ON SE 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 127.00 M (MSL), RIVER BED 127.10 M (MSL)
LEFT BANK ELEVATION 140.41 M (MSL)
RIGHT BANK ELEVATION 140.27 M (MSL), DRAINAGE AREA 2927 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.45	0.92	0.95	1.04	33.62	29.66	11.98	3.60	0.92	0.71	0.50	
2	0.74	0.53	0.95	1.04	1.04	40.40	30.56	9.30	3.38	1.07	0.68	0.47	
3	0.65	0.59	0.86	1.07	1.40	53.00	30.20	7.78	3.18	1.10	0.68	0.43	
4	0.53	0.47	0.89	0.92	1.01	74.42	29.66	6.79	3.06	1.01	0.77	0.37	
5	0.53	0.47	0.83	0.92	0.56	95.26	30.56	6.23	2.98	0.95	0.74	0.40	
6	0.50	0.71	0.74	0.92	0.68	103.48	32.90	5.95	2.94	0.89	0.71	0.40	
7	0.47	0.53	0.86	0.95	0.86	120.00	34.34	6.09	2.90	0.86	0.65	0.40	
8	0.50	0.40	0.86	1.58	0.89	130.67	36.00	6.51	2.70	1.10	0.71	0.40	
9	0.53	0.40	0.89	3.85	0.95	134.69	40.00	6.86	2.58	1.04	0.59	0.40	
10	0.92	0.59	0.98	4.55	0.83	136.03	43.49	7.28	2.38	1.07	0.59	0.37	
11	1.10	0.43	1.67	4.35	0.77	137.88	48.76	7.56	2.15	0.95	0.53	0.35	
12	0.95	0.35	2.74	4.40	0.74	134.02	56.78	7.35	1.94	0.95	0.45	0.32	
13	1.10	0.45	2.42	4.60	0.74	129.10	76.20	7.14	1.79	0.86	0.47	0.40	
14	0.83	0.43	2.24	4.50	0.50	124.70	90.20	6.79	1.67	1.01	0.47	0.40	
15	0.56	0.43	1.88	4.20	0.71	120.00	85.50	6.58	1.58	0.95	0.45	0.37	
16	0.92	0.45	1.46	3.80	0.83	114.26	75.00	6.23	1.52	0.80	0.65	0.35	
17	0.83	0.74	1.25	3.26	0.86	108.75	70.14	6.09	1.46	0.74	0.53	0.35	
18	0.71	0.86	1.07	2.86	0.92	103.00	68.46	5.81	1.43	0.71	0.40	0.35	
19	0.59	1.04	0.98	2.46	1.58	97.58	68.74	5.67	1.43	0.77	0.35	0.35	
20	0.47	1.34	0.98	2.18	3.30	93.68	68.18	5.95	1.40	0.77	0.35	0.35	
21	0.53	2.21	0.86	2.00	6.37	80.40	64.61	6.16	1.31	0.74	0.40	0.35	
22	0.98	1.73	1.01	2.18	9.20	68.18	60.29	6.09	1.25	0.77	0.65	0.32	
23	1.10	1.37	0.98	2.50	16.92	55.97	56.78	6.02	1.19	0.77	0.71	0.28	
24	0.80	1.28	0.98	2.15	21.40	44.62	53.54	5.74	1.16	0.74	0.59	0.30	
25	0.74	1.22	0.92	1.73	25.42	36.20	50.60	5.48	1.13	0.68	0.56	0.35	
26	0.65	1.22	0.80	1.46	28.58	32.72	47.61	5.12	1.07	0.74	0.45	0.35	
27	0.74	1.19	0.98	1.34	31.10	31.28	44.85	4.90	1.19	0.74	0.50	0.35	
28	0.71	1.13	0.89	1.25	32.00	29.66	39.80	4.85	1.22	0.74	0.56	0.35	
29	0.65	1.16	0.95	1.25	31.82	28.40	30.92	4.30	1.07	0.77		0.35	
30	0.53	1.13	0.95	1.04	32.00	28.06	23.05	3.90	1.04	0.74		0.35	
31		1.01		0.89	31.64		16.53		1.01	0.68		0.35	
TOTAL	21.66	26.31	34.79	71.15	286.66	2520.03	1533.91	192.50	58.71	26.63	15.90	11.43	4799.68 CMSDAY
MEAN	0.72	0.85	1.16	2.30	9.25	84.00	49.48	6.42	1.89	0.86	0.57	0.37	13.15 CMS
MAX	1.10	2.21	2.74	4.60	32.00	137.88	90.20	11.98	3.60	1.10	0.77	0.50	137.88 CMS
MIN	0.47	0.35	0.74	0.89	0.50	28.06	16.53	3.90	1.01	0.68	0.35	0.28	0.28 CMS
RUNOFF	1.871	2.273	3.006	6.147	24.767	217.731	132.530	16.632	5.073	2.301	1.374	0.988	414.692 MCM

MOMENTARY PEAK 137.88 CMS, AT 135.71 M (MSL), AT 1.00 HOURS, ON SE 11, 1984

RUNOFF YIELD 4.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 47.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

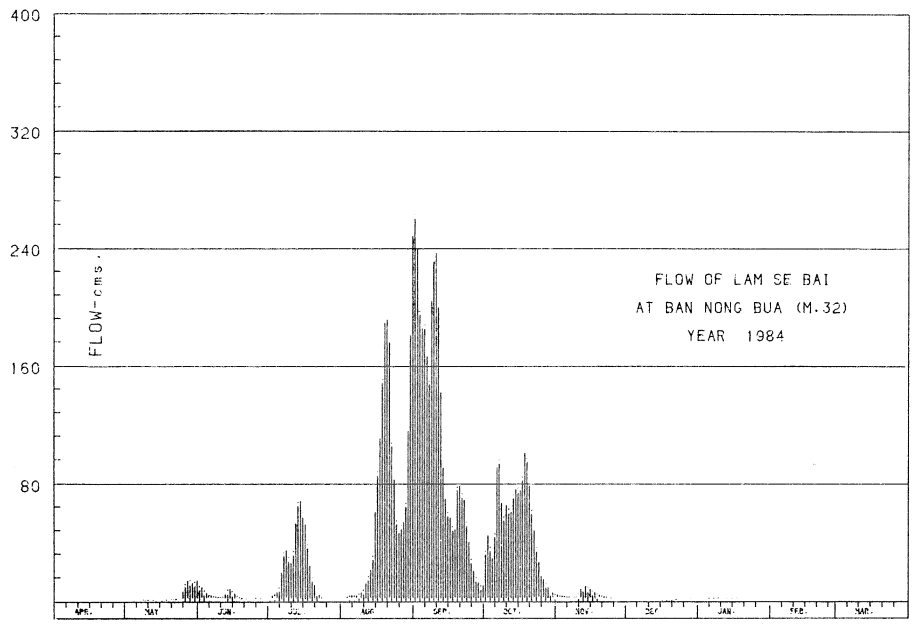
LAM SE BAI AT BAN NONG BUA, YASOTHON (M.32)

LOCATION	LAT. 15-50-20 N., LONG. 104-27-35 E., ON RIGHT BANK ABOUT 25 METERS UPSTREAM FROM PHAWAPHUTANON BRIDGE, TAMBON PHO SAI, AMPHOE KHAM KHUAN KAEO, YASOTHON.
DRAINAGE AREA	1,654 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+120.29 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+127.626 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1970-1973.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1970-1973.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 62 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	119.80	119.96	121.96	120.88	120.26	125.80	123.48	121.10	120.41	120.48	120.02	120.05	
2	119.79	120.04	121.88	121.00	120.51	125.67	123.72	121.02	120.40	120.50	120.02	120.10	
3	119.78	120.08	121.61	121.16	120.83	125.38	123.55	120.95	120.40	120.52	120.02	120.10	
4	119.77	120.16	121.31	121.38	121.00	125.29	123.34	120.89	120.35	120.55	120.02	120.10	
5	119.75	120.20	121.10	121.88	121.03	125.31	123.75	120.84	120.32	120.55	120.03	120.10	
6	119.75	120.24	121.05	122.86	121.00	125.13	124.40	120.81	120.30	120.56	120.03	120.10	
7	119.73	120.30	120.96	123.46	121.03	124.99	124.46	120.75	120.30	120.60	120.04	120.05	
8	119.70	120.31	120.86	123.50	121.24	125.43	124.10	120.71	120.30	120.60	120.05	120.05	
9	119.69	120.31	120.80	123.36	121.36	125.63	123.96	120.79	120.30	120.60	120.05	120.05	
10	119.60	120.31	120.77	123.22	121.66	125.65	124.08	121.23	120.30	120.60	120.05	120.04	
11	119.59	120.31	120.87	123.48	122.16	125.42	124.04	121.70	120.30	120.61	120.06	120.03	
12	119.58	120.30	121.17	123.88	122.65	124.92	124.01	121.90	120.28	120.60	120.07	120.01	
13	119.58	120.27	121.70	124.11	122.98	124.43	124.18	121.94	120.23	120.59	120.10	120.01	
14	119.58	120.12	121.75	124.12	123.39	124.14	124.23	121.87	120.23	120.59	120.09	119.99	
15	119.56	120.14	121.54	124.01	124.01	124.01	124.24	121.72	120.23	120.59	120.07	119.99	
16	119.54	120.18	121.26	123.87	124.37	123.95	124.22	121.55	120.19	120.58	120.07	119.97	
17	119.51	120.26	120.98	123.60	124.61	123.84	124.33	121.40	120.18	120.57	120.07	119.95	
18	119.50	120.30	120.79	123.14	125.00	123.80	124.51	121.21	120.18	120.45	120.05	119.93	
19	119.50	120.35	120.65	122.58	125.32	124.25	124.47	121.06	120.18	120.42	120.04	119.91	
20	119.47	120.39	120.53	122.04	125.36	124.26	124.26	120.96	120.18	120.32	120.03	119.93	
21	119.46	120.46	120.46	121.52	125.21	124.19	124.03	120.86	120.20	120.30	120.02	119.94	
22	119.47	120.44	120.41	121.11	124.58	124.13	123.79	120.77	120.38	120.28	120.02	119.95	
23	119.49	120.38	120.50	120.74	124.31	123.90	123.54	120.66	120.32	120.22	120.01	119.95	
24	119.51	120.56	120.61	120.35	123.92	123.63	123.24	120.63	120.32	120.22	120.01	119.94	
25	119.51	121.47	120.66	120.32	123.75	123.32	122.87	120.58	120.33	120.20	120.00	119.93	
26	119.60	122.14	120.66	120.32	123.86	122.95	122.47	120.54	120.34	120.15	120.00	119.91	
27	119.70	122.37	120.62	120.31	123.90	122.56	122.17	120.53	120.36	120.07	120.00	119.92	
28	119.70	122.40	120.55	120.30	124.10	122.22	121.86	120.53	120.39	120.06	120.01	119.93	
29	119.72	122.20	120.52	120.24	124.66	121.98	121.55	120.52	120.41	120.05		119.94	
30	119.74	122.29	120.52	120.24	125.27	122.00	121.36	120.50	120.44	120.05		119.95	
31		122.38		120.25	125.72		121.19		120.46	120.03		119.94	
MEAN	119.62	120.70	120.97	122.04	123.20	124.27	123.53	121.02	120.31	120.40	120.04	119.99	
MAX	119.80	122.40	121.96	124.12	125.72	125.80	124.51	121.94	120.46	120.61	120.10	120.10	125.80
MIN	119.46	119.96	120.41	120.24	120.26	121.98	121.19	120.50	120.18	120.03	120.00	119.91	119.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 125.82 M (MSL), AT 18.00 HOURS, ON SEP 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 119.90 M (MSL), RIVER BED 117.46 M (MSL)
LEFT BANK ELEVATION 130.68 M (MSL)
RIGHT BANK ELEVATION 130.66 M (MSL), DRAINAGE AREA 1654 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	10.54	3.52	1.04	263.00	34.30	4.50	1.64	1.92	0.08	0.20	
2	0.00	0.16	9.82	4.00	2.04	240.20	45.00	4.10	1.60	2.00	0.08	0.40	
3	0.00	0.32	7.67	4.86	3.32	197.40	37.00	3.80	1.60	2.08	0.08	0.40	
4	0.00	0.64	5.76	6.18	4.00	185.80	29.52	3.56	1.40	2.20	0.08	0.40	
5	0.00	0.80	4.50	9.82	4.15	188.30	46.50	3.36	1.28	2.20	0.12	0.40	
6	0.00	0.96	4.25	19.78	4.00	166.60	91.00	3.24	1.20	2.24	0.12	0.40	
7	0.00	1.20	3.84	33.60	4.15	149.90	96.40	3.00	1.20	2.40	0.16	0.20	
8	0.00	1.24	3.44	35.00	5.34	204.20	67.00	2.84	1.20	2.40	0.20	0.20	
9	0.00	1.24	3.20	30.18	6.06	233.80	57.60	3.16	1.20	2.40	0.20	0.20	
10	0.00	1.24	3.08	26.20	8.02	237.00	65.60	5.28	1.20	2.40	0.20	0.16	
11	0.00	1.24	3.48	34.30	12.34	202.80	62.80	8.30	1.20	2.44	0.24	0.12	
12	0.00	1.20	4.92	53.00	17.25	142.20	60.70	10.00	1.12	2.40	0.28	0.04	
13	0.00	1.08	8.30	67.70	21.42	93.70	72.60	10.36	0.92	2.36	0.40	0.04	
14	0.00	0.48	8.70	68.40	31.17	69.80	76.40	9.73	0.92	2.36	0.36	0.00	
15	0.00	0.56	7.18	60.70	60.70	60.70	77.20	8.46	0.92	2.36	0.28	0.00	
16	0.00	0.72	5.46	52.50	88.30	57.00	75.60	7.25	0.76	2.32	0.28	0.00	
17	0.00	1.04	3.92	39.00	111.00	51.00	84.70	6.30	0.72	2.28	0.28	0.00	
18	0.00	1.20	3.16	24.50	151.00	49.00	101.00	5.16	0.72	1.80	0.20	0.00	
19	0.00	1.40	2.60	16.48	189.60	78.00	97.30	4.30	0.72	1.68	0.16	0.00	
20	0.00	1.56	2.12	11.26	194.80	78.80	78.80	3.84	0.72	1.28	0.12	0.00	
21	0.00	1.84	1.84	7.04	176.20	73.30	62.10	3.44	0.80	1.20	0.08	0.00	
22	0.00	1.76	1.64	4.56	108.00	69.10	48.50	3.08	1.52	1.12	0.08	0.00	
23	0.00	1.52	2.00	2.96	82.90	54.00	36.60	2.64	1.28	0.88	0.04	0.00	
24	0.00	2.24	2.44	1.40	55.20	40.50	26.70	2.52	1.28	0.88	0.04	0.00	
25	0.00	6.72	2.64	1.28	46.50	28.86	19.91	2.32	1.32	0.80	0.00	0.00	
26	0.00	12.16	2.64	1.28	52.00	21.00	15.30	2.16	1.36	0.60	0.00	0.00	
27	0.00	14.30	2.48	1.24	54.00	16.26	12.43	2.12	1.44	0.28	0.00	0.00	
28	0.00	14.60	2.20	1.20	67.00	12.88	9.64	2.12	1.56	0.24	0.04	0.00	
29	0.00	12.70	2.08	0.96	116.00	10.72	7.25	2.08	1.64	0.20		0.00	
30	0.00	13.51	2.08	0.96	183.40	10.90	6.06	2.00	1.76	0.20		0.00	
31		14.40		1.00	248.60		5.04		1.84	0.12		0.00	
TOTAL	0.00	114.03	127.98	624.86	2109.50	3286.72	1606.55	135.02	38.04	50.04	4.20	3.16	8100.10 CMSDAY
MEAN	0.00	3.68	4.27	20.16	68.05	109.56	51.82	4.50	1.23	1.61	0.15	0.10	22.19 CMS
MAX	0.00	14.60	10.54	68.40	248.60	263.00	101.00	10.36	1.84	2.44	0.40	0.40	263.00 CMS
MIN	0.00	0.00	1.64	0.96	1.04	10.72	5.04	2.00	0.72	0.12	0.00	0.00	0.00 CMS
RUNOFF	0.000	9.852	11.057	53.988	182.261	283.973	138.806	11.666	3.287	4.323	0.363	0.273	699.849 MCM

MOMENTARY PEAK 266.60 CMS, AT 125.82 M (MSL), AT 18.00 HOURS, ON SEP 1, 1984

RUNOFF YIELD 13.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 161.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

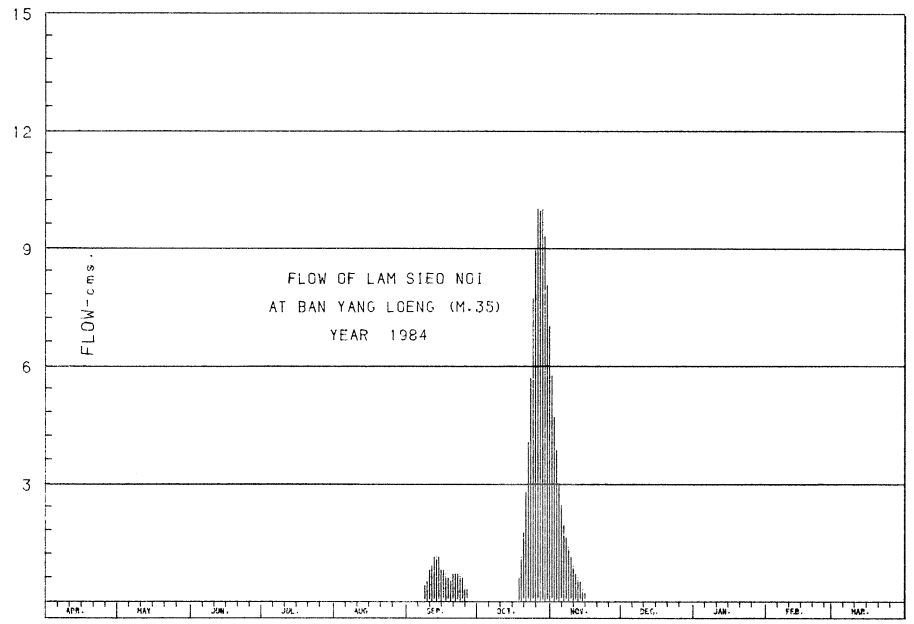
LAM SIEO NOI AT BAN YANG LOENG, ROI-ET (M.35)

LOCATION	LAT. 15-38-49 N., LONG. 103-45-00 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, BAN YANG LOENG, TAMBON SUNG YANG, AMPHOE SUWANNAPHUM, ROI-ET.
DRAINAGE AREA	672 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+121.876 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+126.666 M.(M.S.L)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1974, 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1974, 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY THE WEIR AT A POINT OF ABOUT 3 KILOMETERS DOWNSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 93 DISCHARGE MEASUREMENTS MADE DURING 1980-1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	122.38	122.28	122.30	122.86	123.29	123.34	123.44	123.86	123.30	123.11	123.03	123.00	
2	122.37	122.28	122.30	122.88	123.29	123.34	123.43	123.82	123.28	123.11	123.02	123.00	
3	122.36	122.28	122.29	122.89	123.30	123.41	123.40	123.78	123.27	123.11	123.01	122.99	
4	122.35	122.29	122.28	123.00	123.30	123.42	123.40	123.74	123.26	123.11	123.01	122.99	
5	122.34	122.29	122.28	123.04	123.30	123.47	123.39	123.71	123.25	123.10	123.00	122.98	
6	122.32	122.28	122.31	123.05	123.29	123.46	123.38	123.68	123.24	123.10	123.01	122.98	
7	122.30	122.28	122.34	123.05	123.29	123.50	123.39	123.65	123.23	123.10	123.01	122.97	
8	122.29	122.27	122.36	123.10	123.30	123.54	123.37	123.63	123.22	123.10	123.00	122.97	
9	122.28	122.27	122.37	123.13	123.30	123.56	123.39	123.61	123.21	123.10	123.00	122.96	
10	122.27	122.26	122.39	123.12	123.36	123.58	123.38	123.59	123.20	123.10	122.99	122.95	
11	122.27	122.26	122.77	123.20	123.37	123.60	123.37	123.57	123.19	123.10	122.98	122.94	
12	122.26	122.26	122.96	123.23	123.37	123.61	123.35	123.56	123.18	123.09	122.98	122.93	
13	122.26	122.25	122.91	123.22	123.38	123.61	123.37	123.55	123.17	123.09	122.97	122.92	
14	122.25	122.25	122.86	123.20	123.40	123.61	123.41	123.53	123.17	123.09	122.97	122.91	
15	122.25	122.25	122.83	123.17	123.39	123.59	123.43	123.52	123.16	123.08	122.96	122.90	
16	122.27	122.24	122.80	123.15	123.41	123.58	123.44	123.50	123.15	123.08	122.96	122.89	
17	122.26	122.25	122.79	123.15	123.44	123.57	123.49	123.49	123.14	123.08	122.95	122.88	
18	122.26	122.25	122.79	123.14	123.42	123.56	123.56	123.48	123.14	123.08	122.95	122.87	
19	122.28	122.24	122.80	123.13	123.33	123.56	123.61	123.47	123.14	123.07	122.94	122.87	
20	122.27	122.27	122.82	123.12	123.30	123.57	123.66	123.45	123.14	123.07	122.94	122.86	
21	122.25	122.27	122.83	123.15	123.29	123.58	123.73	123.44	123.13	123.07	122.93	122.86	
22	122.25	122.28	122.83	123.15	123.29	123.57	123.79	123.42	123.13	123.06	122.92	122.85	
23	122.25	122.28	122.82	123.15	123.28	123.57	123.86	123.41	123.13	123.06	122.92	122.84	
24	122.24	122.31	122.82	123.17	123.31	123.56	123.93	123.39	123.12	123.06	122.91	122.84	
25	122.24	122.31	122.81	123.18	123.36	123.54	123.97	123.38	123.12	123.05	122.90	122.85	
26	122.23	122.31	122.81	123.19	123.36	123.53	124.00	123.37	123.12	123.05	122.89	122.85	
27	122.23	122.31	122.83	123.20	123.35	123.50	124.00	123.36	123.12	123.05	122.90	122.84	
28	122.22	122.31	122.83	123.21	123.35	123.48	124.00	123.34	123.12	123.05	122.99	122.83	
29	122.22	122.30	122.82	123.25	123.36	123.47	123.98	123.33	123.11	123.04		122.82	
30	122.21	122.30	122.82	123.26	123.36	123.45	123.94	123.31	123.11	123.04		122.82	
31		122.30		123.27	123.35		123.91		123.11	123.03		122.81	
MEAN	122.27	122.28	122.66	123.13	123.34	123.52	123.61	123.53	123.17	123.08	122.97	122.90	
MAX	122.38	122.31	122.96	123.27	123.44	123.61	124.00	123.86	123.30	123.11	123.03	123.00	124.00
MIN	122.21	122.24	122.28	122.86	123.28	123.34	123.35	123.31	123.11	123.03	122.89	122.81	122.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 124.00 M (MSL), AT 12.00 HOURS, ON OCT 27, 1984
ZERO GAGE AT BOTTOM ELEVATION 121.87 M (MSL), RIVER BED 121.49 M (MSL)
LEFT BANK ELEVATION 126.49 M (MSL)
RIGHT BANK ELEVATION 126.54 M (MSL), DRAINAGE AREA 672 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.40	0.00	1.38	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.60	0.00	1.13	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.90	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.70	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.60	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.50	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.30	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.20	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.60	1.13	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.70	1.75	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.80	2.85	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.70	4.05	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.70	5.75	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.60	7.72	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.40	9.03	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.30	10.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	9.35	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00		0.00	
31		0.00		0.00	0.00		7.08		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	0.00	13.99	87.36	29.19	0.00	0.00	0.00	0.00	130.54 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	0.47	2.82	0.97	0.00	0.00	0.00	0.00	0.36 CMS
MAX	0.00	0.00	0.00	0.00	0.00	1.13	10.00	5.75	0.00	0.00	0.00	0.00	10.00 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.000	1.209	7.548	2.522	0.000	0.000	0.000	0.000	11.279 MCM

MOMENTARY PEAK 10.00 CMS, AT 124.00 M (MSL), AT 12.00 HOURS, ON OCT 27, 1984

RUNOFF YIELD 0.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 14.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

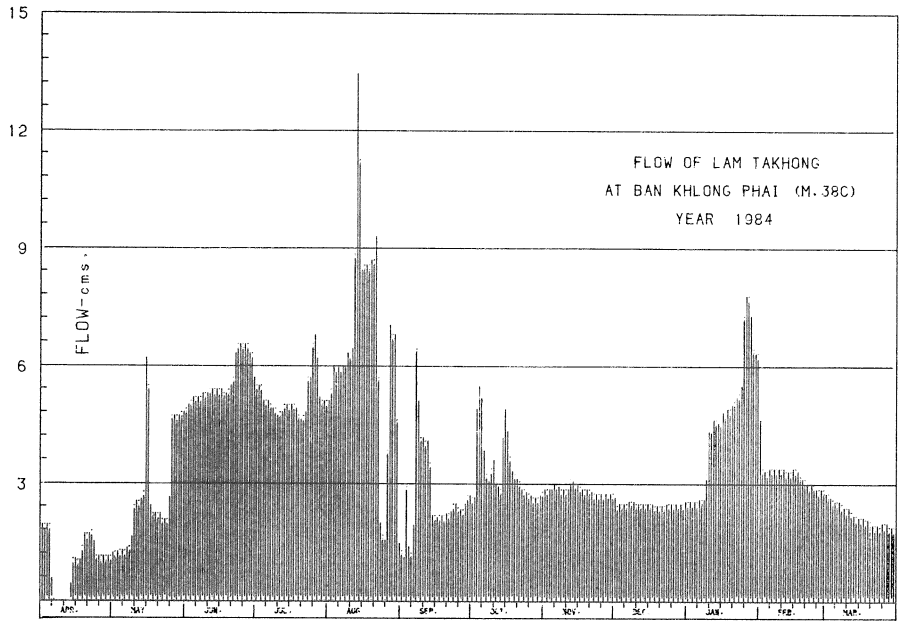
LAM TAKHONG AT BAN KHLONG PHAI, NAKHON RATCHASIMA (M.38C)

LOCATION	LAT. 14-52-06 N., LONG. 101-33-53 E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM LAM TAKHONG DAM, TAMBON KHLONG PHAI, AMPHOE SIKHIU, NAKHON RATCHASIMA.
DRAINAGE AREA	1,292 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+242.00 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 20 METERS FROM THE MEASURING LINE.
ELEVATION	+251.841 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962-1965, 1967 - 1974, 1979 - 1981, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962-1965, 1967 - 1974, 1979 - 1981, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW REGULATED BY LAM TAKHONG RESERVOIR DIVERTED FOR IRRIGATION OF ABOUT 62,080 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	244.93	244.75	245.37	245.43	245.39	244.77	245.07	245.11	245.07	245.05	245.34	245.09	
2	244.93	244.76	245.38	245.43	245.42	244.72	245.07	245.11	245.03	245.05	245.19	245.09	
3	244.93	244.76	245.39	245.43	245.48	245.12	245.38	245.11	245.04	245.05	245.18	245.07	
4	244.93	244.77	245.40	245.39	245.48	244.80	245.43	245.13	245.04	245.05	245.18	245.06	
5	244.53	244.77	245.40	245.39	245.48	244.75	245.41	245.13	245.04	245.05	245.19	245.05	
6	244.23	244.77	245.40	245.39	245.48	244.93	245.25	245.13	245.04	245.06	245.19	245.05	
7	244.23	244.79	245.40	245.38	245.48	245.52	245.17	245.12	245.05	245.06	245.19	245.05	
8	244.23	244.80	245.41	245.37	245.49	245.39	245.14	245.11	245.05	245.06	245.19	245.04	
9	244.23	244.86	245.41	245.37	245.51	245.29	245.19	245.11	245.05	245.17	245.19	245.02	
10	244.23	245.03	245.41	245.35	245.51	245.29	245.22	245.11	245.04	245.31	245.19	245.02	
11	244.24	245.05	245.42	245.36	245.52	245.28	245.15	245.11	245.04	245.32	245.19	245.02	
12	244.23	245.05	245.42	245.36	245.71	245.28	245.12	245.15	245.04	245.34	245.18	245.00	
13	244.47	245.06	245.42	245.38	246.00	245.21	245.11	245.14	245.04	245.34	245.18	244.98	
14	244.71	245.10	245.42	245.38	245.87	244.98	245.29	245.13	245.04	245.33	245.18	244.98	
15	244.71	245.50	245.42	245.38	245.68	244.98	245.38	245.13	245.04	245.34	245.19	244.97	
16	244.70	245.43	245.42	245.38	245.69	244.97	245.31	245.12	245.04	245.36	245.19	244.97	
17	244.70	245.03	245.41	245.38	245.69	244.98	245.23	245.11	245.04	245.36	245.18	244.97	
18	244.80	244.99	245.41	245.37	245.69	244.98	245.18	245.11	245.03	245.37	245.16	244.96	
19	244.88	244.99	245.42	245.35	245.70	244.98	245.17	245.11	245.03	245.37	245.15	244.96	
20	244.88	244.99	245.43	245.34	245.70	244.99	245.15	245.11	245.03	245.38	245.15	244.95	
21	244.88	244.99	245.45	245.35	245.74	244.99	245.14	245.10	245.03	245.39	245.13	244.93	
22	244.90	244.96	245.51	245.36	245.45	245.00	245.11	245.09	245.03	245.40	245.13	244.93	
23	244.83	244.96	245.53	245.45	244.94	245.04	245.11	245.09	245.04	245.41	245.13	244.93	
24	244.73	244.96	245.53	245.45	244.87	245.04	245.10	245.09	245.04	245.43	245.13	244.92	
25	244.73	245.07	245.53	245.53	244.84	245.02	245.09	245.09	245.04	245.59	245.11	244.94	
26	244.73	245.35	245.53	245.55	245.25	245.01	245.08	245.09	245.04	245.63	245.11	244.94	
27	244.73	245.35	245.53	245.51	245.57	245.01	245.07	245.09	245.04	245.63	245.11	244.94	
28	244.73	245.35	245.51	245.40	245.55	245.04	245.07	245.09	245.04	245.59	245.11	244.92	
29	244.73	245.35	245.51	245.39	245.55	245.08	245.07	245.09	245.04	245.52		244.92	
30	244.73	245.36	245.45	245.39	245.34	245.08	245.08	245.09	245.04	245.51		244.92	
31		245.36		245.39	244.82		245.10		245.05	245.51		244.92	
MEAN	244.65	245.04	245.44	245.40	245.48	245.05	245.18	245.11	245.04	245.32	245.17	244.98	
MAX	244.93	245.50	245.53	245.55	246.00	245.52	245.43	245.15	245.07	245.63	245.34	245.09	246.00
MIN	244.23	244.75	245.37	245.34	244.82	244.72	245.07	245.09	245.03	245.05	245.11	244.92	244.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 246.04 M (MSL), AT 24.00 HOURS, ON AUG 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 242.00 M (MSL), RIVER BED 243.83 M (MSL)
LEFT BANK ELEVATION 251.62 M (MSL)
RIGHT BANK ELEVATION 252.95 M (MSL), DRAINAGE AREA 1292 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.95	1.23	4.91	5.50	5.11	1.30	2.65	2.86	2.65	2.55	4.63	2.75	
2	1.95	1.26	5.01	5.50	5.40	1.12	2.65	2.86	2.44	2.55	3.39	2.75	
3	1.95	1.26	5.11	5.50	6.00	2.93	5.01	2.86	2.49	2.55	3.32	2.65	
4	1.95	1.30	5.20	5.11	6.00	1.40	5.50	3.00	2.49	2.55	3.32	2.60	
5	0.57	1.30	5.20	5.11	6.00	1.23	5.30	3.00	2.49	2.55	3.39	2.55	
6	0.04	1.30	5.20	5.11	6.00	1.95	3.85	3.00	2.49	2.60	3.39	2.55	
7	0.04	1.36	5.20	5.01	6.00	6.44	3.25	2.93	2.55	2.60	3.39	2.55	
8	0.04	1.40	5.30	4.91	6.10	5.11	3.06	2.86	2.55	2.60	3.39	2.49	
9	0.04	1.64	5.30	4.91	6.32	4.17	3.39	2.86	2.55	3.25	3.39	2.39	
10	0.04	2.44	5.30	4.73	6.32	4.17	3.61	2.86	2.49	4.34	3.39	2.39	
11	0.05	2.55	5.40	4.82	6.44	4.09	3.12	2.86	2.49	4.44	3.39	2.39	
12	0.04	2.55	5.40	4.82	8.85	4.09	2.93	3.12	2.49	4.63	3.32	2.29	
13	0.44	2.60	5.40	5.01	13.45	3.53	2.86	3.06	2.49	4.63	3.32	2.19	
14	1.09	2.80	5.40	5.01	11.25	2.19	4.17	3.00	2.49	4.54	3.32	2.19	
15	1.09	6.20	5.40	5.01	8.44	2.19	5.01	3.00	2.49	4.63	3.39	2.14	
16	1.05	5.50	5.40	5.01	8.57	2.14	4.34	2.93	2.49	4.82	3.39	2.14	
17	1.05	2.44	5.30	5.01	8.57	2.19	3.69	2.86	2.49	4.82	3.32	2.14	
18	1.40	2.24	5.30	4.91	8.57	2.19	3.32	2.86	2.44	4.91	3.19	2.09	
19	1.72	2.24	5.40	4.73	8.70	2.19	3.25	2.86	2.44	4.91	3.12	2.09	
20	1.72	2.24	5.50	4.63	8.70	2.24	3.12	2.86	2.44	5.01	3.12	2.05	
21	1.72	2.24	5.70	4.73	9.30	2.24	3.06	2.80	2.44	5.11	3.00	1.95	
22	1.80	2.09	6.32	4.82	5.70	2.29	2.86	2.75	2.44	5.20	3.00	1.95	
23	1.52	2.09	6.56	5.70	2.00	2.49	2.86	2.75	2.49	5.30	3.00	1.95	
24	1.15	2.09	6.56	5.70	1.68	2.49	2.80	2.75	2.49	5.50	3.00	1.90	
25	1.15	2.65	6.56	6.56	1.56	2.39	2.75	2.75	2.49	7.28	2.86	2.00	
26	1.15	4.73	6.56	6.80	3.85	2.34	2.70	2.75	2.49	7.79	2.86	2.00	
27	1.15	4.73	6.56	6.32	7.04	2.34	2.65	2.75	2.49	7.79	2.86	2.00	
28	1.15	4.73	6.32	5.20	6.80	2.49	2.65	2.75	2.49	7.28	2.86	1.90	
29	1.15	4.73	6.32	5.11	6.80	2.70	2.65	2.75	2.49	6.44		1.90	
30	1.15	4.82	5.70	5.11	4.63	2.70	2.70	2.75	2.49	6.32		1.90	
31		4.82		5.11	1.48		2.80		2.55	6.32		1.90	
TOTAL	31.31	85.57	168.79	161.51	201.63	81.33	104.56	86.05	77.29	145.81	91.32	68.73	1303.90 CMSDAY
MEAN	1.04	2.76	5.63	5.21	6.50	2.71	3.37	2.87	2.49	4.70	3.26	2.22	3.57 CMS
MAX	1.95	6.20	6.56	6.80	13.45	6.44	5.50	3.12	2.65	7.79	4.63	2.75	13.45 CMS
MIN	0.04	1.23	4.91	4.63	1.48	1.12	2.65	2.75	2.44	2.55	2.86	1.90	0.04 CMS
RUNOFF	2.705	7.393	14.583	13.954	17.421	7.027	9.034	7.435	6.678	12.598	7.890	5.938	112.657 MCM

MOMENTARY PEAK 14.19 CMS, AT 246.04 M (MSL), AT 24.00 HOURS, ON AUG 13, 1984

RUNOFF YIELD 2.76 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 10.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

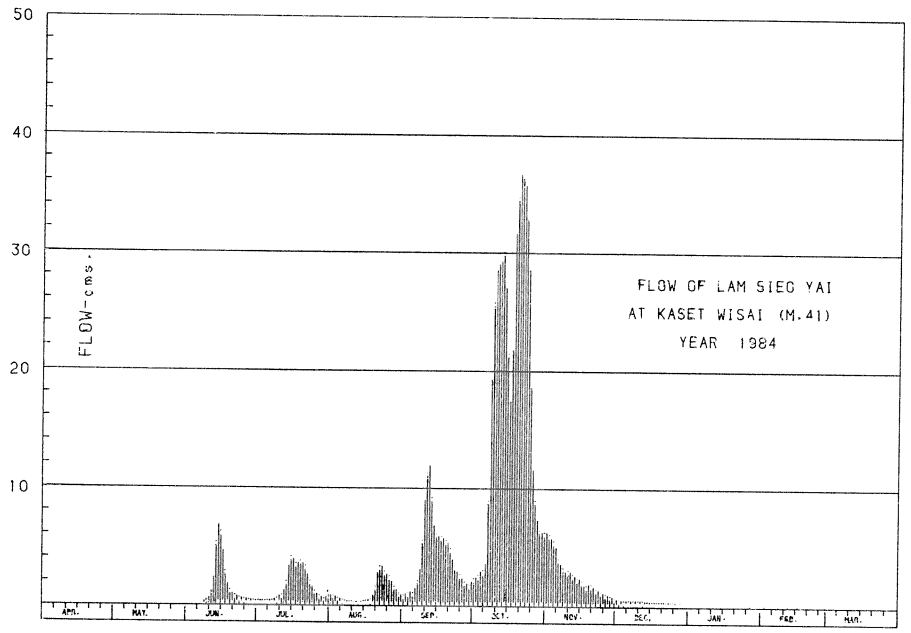
LAM SIEO YAI AT KASET WISAI, ROI ET (M.41)

LOCATION	LAT. 15-38-46 N., LONG. 103-33-55 E., ON LEFT BANK AT TAMBON KASET WISAI, AMPHOE KASET WISAI, ROI ET.
DRAINAGE AREA	1,310 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+125.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE AUTOMATIC GAGE BUILDING.
ELEVATION	+128.419 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1974, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1974, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	125.88	125.76	125.98	126.53	126.83	126.86	127.15	127.47	126.70	126.38	126.15	125.97	
2	125.88	125.76	126.01	126.51	126.82	126.90	127.16	127.46	126.66	126.38	126.14	125.96	
3	125.86	125.77	126.06	126.49	126.78	126.93	127.19	127.44	126.63	126.37	126.13	125.95	
4	125.85	125.76	126.08	126.51	126.73	126.95	127.22	127.43	126.61	126.36	126.12	125.94	
5	125.84	125.77	126.09	126.51	126.67	126.93	127.23	127.40	126.61	126.36	126.12	125.94	
6	125.83	125.76	126.12	126.52	126.60	127.01	127.28	127.32	126.61	126.35	126.12	125.93	
7	125.82	125.75	126.22	126.54	126.53	127.12	127.59	127.28	126.61	126.35	126.11	125.92	
8	125.82	125.75	126.39	126.59	126.48	127.24	127.87	127.25	126.61	126.32	126.11	125.92	
9	125.82	125.75	126.55	126.71	126.45	127.43	127.98	127.22	126.61	126.31	126.09	125.91	
10	125.82	125.76	126.69	126.79	126.46	127.59	128.02	127.23	126.61	126.31	126.08	125.90	
11	125.80	125.76	126.94	126.86	126.45	127.67	128.03	127.22	126.60	126.31	126.07	125.89	
12	125.80	125.75	127.15	126.97	126.42	127.69	128.03	127.20	126.59	126.31	126.07	125.88	
13	125.80	125.77	127.42	127.11	126.42	127.60	128.04	127.18	126.55	126.30	126.07	125.87	
14	125.80	125.77	127.50	127.26	126.44	127.50	128.00	127.15	126.53	126.29	126.07	125.87	
15	125.79	125.76	127.47	127.33	126.50	127.46	127.91	127.15	126.51	126.28	126.07	125.86	
16	125.78	125.75	127.37	127.31	126.53	127.45	127.83	127.12	126.50	126.28	126.06	125.85	
17	125.78	125.70	127.22	127.28	126.58	127.45	127.92	127.06	126.49	126.27	126.05	125.84	
18	125.76	125.73	127.07	127.28	126.66	127.44	128.06	127.06	126.50	126.26	126.05	125.84	
19	125.75	125.77	126.98	127.30	126.83	127.43	128.10	127.07	126.50	126.25	126.04	125.83	
20	125.73	125.77	126.90	127.28	127.04	127.42	128.12	127.07	126.50	126.24	126.03	125.81	
21	125.73	125.77	126.84	127.26	127.21	127.39	128.12	127.04	126.49	126.23	126.03	125.79	
22	125.72	125.77	126.78	127.19	127.26	127.31	128.11	127.01	126.49	126.22	126.03	125.78	
23	125.73	125.77	126.74	127.11	127.26	127.26	128.08	126.99	126.48	126.21	126.02	125.78	
24	125.73	125.77	126.70	127.03	127.22	127.22	128.02	126.96	126.47	126.19	126.00	125.79	
25	125.74	125.76	126.65	126.96	127.20	127.20	127.86	126.93	126.46	126.19	125.99	125.80	
26	125.73	125.79	126.62	126.89	127.18	127.15	127.68	126.91	126.44	126.20	125.98	125.80	
27	125.73	125.84	126.59	126.83	127.11	127.11	127.59	126.89	126.43	126.21	125.97	125.80	
28	125.74	125.86	126.56	126.76	127.04	127.08	127.52	126.84	126.42	126.20	125.97	125.81	
29	125.74	125.89	126.54	126.71	126.99	127.07	127.48	126.79	126.40	126.19		125.80	
30	125.74	125.90	126.51	126.75	126.92	127.11	127.47	126.75	126.39	126.17		125.79	
31		125.91		126.83	126.86		127.47		126.38	126.16		125.78	
MEAN	125.78	125.78	126.69	126.90	126.79	127.27	127.75	127.13	126.53	126.27	126.06	125.86	
MAX	125.88	125.91	127.50	127.33	127.26	127.69	128.12	127.47	126.70	126.38	126.15	125.97	128.12
MIN	125.72	125.70	125.98	126.49	126.42	126.86	127.15	126.75	126.38	126.16	125.97	125.78	125.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 128.12 M (A.D), AT 24.00 HOURS, ON OCT 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 125.30 M (A.D), RIVER BED 125.11 M (A.D)
LEFT BANK ELEVATION 130.87 M (A.D)
RIGHT BANK ELEVATION 130.92 M (A.D), DRAINAGE AREA 1310 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.00	0.05	0.43	0.86	0.92	2.35	6.26	0.60	0.28	0.09	0.04	
2	0.02	0.00	0.05	0.41	0.84	1.00	2.42	6.08	0.56	0.28	0.09	0.04	
3	0.01	0.00	0.07	0.39	0.76	1.12	2.63	5.72	0.53	0.27	0.08	0.04	
4	0.01	0.00	0.07	0.41	0.66	1.20	2.92	5.54	0.51	0.26	0.08	0.04	
5	0.01	0.00	0.07	0.41	0.57	1.12	3.03	5.00	0.51	0.26	0.08	0.04	
6	0.01	0.00	0.08	0.42	0.50	1.46	3.58	4.04	0.51	0.25	0.08	0.03	
7	0.00	0.00	0.12	0.44	0.43	2.14	8.96	3.58	0.51	0.25	0.08	0.03	
8	0.00	0.00	0.29	0.49	0.38	3.14	19.33	3.25	0.51	0.22	0.08	0.03	
9	0.00	0.00	0.45	0.62	0.35	5.54	25.76	2.92	0.51	0.21	0.07	0.03	
10	0.00	0.00	0.59	0.78	0.36	8.96	28.54	3.03	0.51	0.21	0.07	0.03	
11	0.00	0.00	1.16	0.92	0.35	11.30	29.31	2.92	0.50	0.21	0.07	0.02	
12	0.00	0.00	2.35	1.28	0.32	11.90	29.31	2.70	0.49	0.21	0.07	0.02	
13	0.00	0.00	5.36	2.07	0.32	9.20	30.08	2.56	0.45	0.20	0.07	0.02	
14	0.00	0.00	6.80	3.36	0.34	6.80	27.00	2.35	0.43	0.19	0.07	0.02	
15	0.00	0.00	6.26	4.16	0.40	6.08	21.42	2.35	0.41	0.18	0.07	0.01	
16	0.00	0.00	4.64	3.92	0.43	5.90	17.37	2.14	0.40	0.18	0.07	0.01	
17	0.00	0.00	2.92	3.58	0.48	5.90	22.04	1.76	0.39	0.17	0.06	0.01	
18	0.00	0.00	1.82	3.58	0.56	5.72	31.62	1.76	0.40	0.16	0.06	0.01	
19	0.00	0.00	1.32	3.80	0.86	5.54	34.70	1.82	0.40	0.15	0.06	0.01	
20	0.00	0.00	1.00	3.58	1.64	5.36	36.68	1.82	0.40	0.14	0.06	0.00	
21	0.00	0.00	0.88	3.36	2.81	4.88	36.68	1.64	0.39	0.13	0.06	0.00	
22	0.00	0.00	0.76	2.63	3.36	3.92	35.69	1.46	0.39	0.12	0.06	0.00	
23	0.00	0.00	0.68	2.07	3.36	3.36	33.16	1.36	0.38	0.11	0.06	0.00	
24	0.00	0.00	0.60	1.58	2.92	2.92	28.54	1.24	0.37	0.10	0.05	0.00	
25	0.00	0.00	0.55	1.24	2.70	2.70	18.84	1.12	0.36	0.10	0.05	0.00	
26	0.00	0.00	0.52	0.98	2.56	2.35	11.60	1.04	0.34	0.10	0.05	0.00	
27	0.00	0.01	0.49	0.86	2.07	2.07	8.96	0.98	0.33	0.11	0.04	0.00	
28	0.00	0.01	0.46	0.72	1.64	1.88	7.28	0.88	0.32	0.10	0.04	0.00	
29	0.00	0.02	0.44	0.62	1.36	1.82	6.44	0.78	0.30	0.10		0.00	
30	0.00	0.03	0.41	0.70	1.08	2.07	6.26	0.70	0.29	0.09		0.00	
31		0.03		0.86	0.92		6.26		0.28	0.09		0.00	
TOTAL	0.08	0.10	41.26	50.67	36.19	128.27	578.76	78.80	13.28	5.43	1.87	0.48	935.19 CMSDAY
MEAN	0.00	0.00	1.38	1.63	1.17	4.28	18.67	2.63	0.43	0.18	0.07	0.02	2.56 CMS
MAX	0.02	0.03	6.80	4.16	3.36	11.90	36.68	6.26	0.60	0.28	0.09	0.04	36.68 CMS
MIN	0.00	0.00	0.05	0.39	0.32	0.92	2.35	0.70	0.28	0.09	0.04	0.00	0.00 CMS
RUNOFF	0.007	0.009	3.565	4.378	3.127	11.083	50.005	6.808	1.147	0.469	0.162	0.041	80.800 MCM

MOMENTARY PEAK 36.68 CMS, AT 128.12 M (A.D), AT 24.00 HOURS, ON OCT 21, 1984
RUNOFF YIELD 1.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 28.00 LITERS/SECOND/SQUARE KM
M.42 19840057 10.80 950.00 10.901072.00 DATA ERROR

WATER YEAR 1984

MUN RIVER BASIN

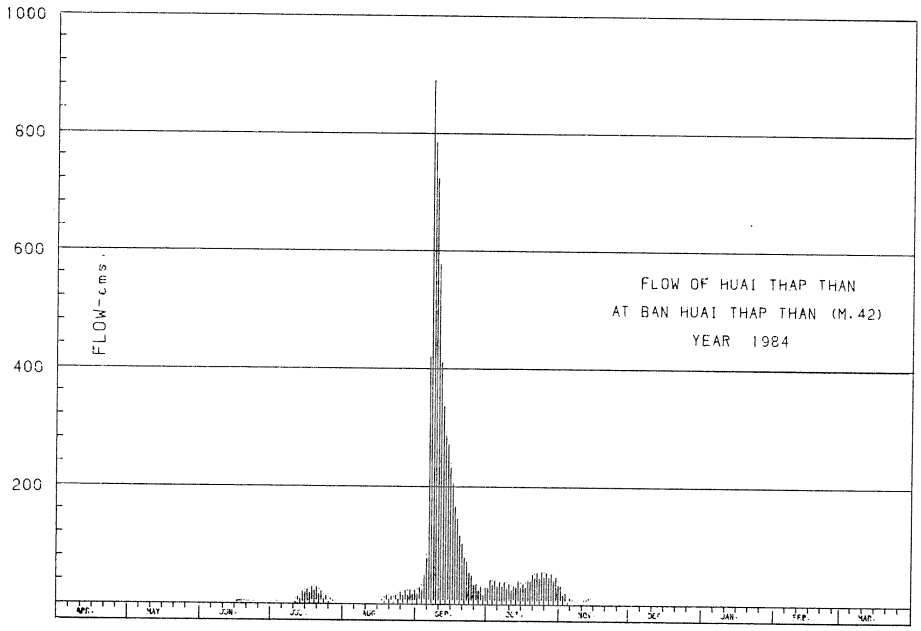
HUAI THAP THAN AT BAN HUAI THAP THAN, SI SA KET (M.42)

LOCATION	LAT. 15-02-42 N., LONG. 104-01-29 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, AMPHOE UTHUMPHON PHISAI, SI SA KET.
DRAINAGE AREA	1,794 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UNDER TAMARIND TREE INFRONT OF THE JOSS HOUSE, ABOUT 120 METERS FROM THE GAGE SITE.
ELEVATION	+9.820 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 174 DISCHARGE MEASUREMENTS MADE DURING 1977-1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.69	0.66	0.63	1.48	1.09	3.74	4.57	4.21	1.50	0.66	0.60	0.74	
2	0.66	0.70	0.63	1.50	1.04	3.95	4.99	3.48	1.42	0.62	0.58	0.84	
3	0.62	0.72	0.63	1.43	1.12	4.28	5.00	3.10	1.37	0.61	0.58	0.82	
4	0.61	0.75	0.63	1.35	0.99	5.61	4.94	2.51	1.29	0.73	0.58	0.76	
5	0.62	0.76	0.63	1.35	0.97	7.64	4.80	2.29	1.25	0.82	0.58	0.70	
6	0.63	0.76	0.64	1.36	0.96	10.08	4.71	2.05	1.19	0.85	0.56	0.68	
7	0.65	0.75	0.65	1.37	0.94	10.75	4.77	1.75	1.15	0.75	0.58	0.68	
8	0.67	0.69	0.66	1.42	0.94	10.64	4.74	1.59	1.14	0.74	0.58	0.68	
9	0.69	0.68	0.66	1.56	0.94	10.58	4.64	1.58	1.10	0.72	0.55	0.65	
10	0.69	0.67	0.67	1.55	0.94	10.38	4.47	1.97	1.06	0.70	0.54	0.64	
11	0.69	0.67	0.68	2.17	0.95	10.07	4.26	1.97	1.05	0.67	0.55	0.59	
12	0.67	0.66	0.71	2.37	0.95	9.84	4.20	1.94	1.03	0.62	0.56	0.56	
13	0.63	0.65	0.72	2.79	0.95	9.67	4.64	2.30	1.00	0.59	0.56	0.55	
14	0.61	0.64	0.75	3.23	0.97	9.58	4.85	2.20	0.99	0.59	0.57	0.52	
15	0.59	0.64	0.83	3.53	1.32	9.42	4.64	1.96	0.98	0.58	0.57	0.50	
16	0.58	0.63	1.42	3.59	1.52	9.23	4.50	1.83	0.97	0.58	0.55	0.50	
17	0.62	0.62	1.46	3.78	1.87	8.98	4.66	1.77	0.91	0.58	0.56	0.50	
18	0.61	0.62	1.53	4.03	2.39	8.72	5.00	1.70	0.90	0.58	0.59	0.50	
19	0.63	0.62	1.50	4.10	2.65	8.45	5.39	1.63	0.88	0.60	0.56	0.49	
20	0.65	0.62	1.44	4.00	2.77	8.11	5.75	1.60	0.88	0.64	0.54	0.49	
21	0.66	0.61	1.35	3.70	2.48	7.71	5.86	1.59	0.86	0.61	0.56	0.48	
22	0.66	0.60	1.26	3.28	2.48	7.14	6.00	1.59	0.83	0.60	0.60	0.47	
23	0.66	0.61	1.21	2.79	2.65	6.45	6.03	1.63	0.82	0.60	0.57	0.46	
24	0.66	0.61	1.14	2.55	2.82	5.58	6.07	1.74	0.80	0.65	0.56	0.46	
25	0.66	0.61	1.11	2.28	3.19	4.89	6.06	1.79	0.78	0.68	0.56	0.47	
26	0.67	0.61	1.08	2.13	3.43	4.43	5.97	1.82	0.76	0.68	0.56	0.47	
27	0.67	0.61	1.05	1.63	3.52	4.33	5.89	1.81	0.75	0.63	0.56	0.47	
28	0.67	0.62	1.04	1.24	3.58	4.10	5.81	1.73	0.75	0.64	0.54	0.47	
29	0.67	0.62	1.11	1.17	3.66	3.78	5.69	1.75	0.75	0.60		0.48	
30	0.67	0.63	1.23	1.12	3.61	3.96	5.38	1.56	0.72	0.60		0.46	
31		0.63		1.02	3.60		4.90		0.68	0.60		0.53	
MEAN	0.65	0.65	0.97	2.29	1.98	7.40	5.13	2.01	0.99	0.65	0.57	0.57	
MAX	0.69	0.76	1.53	4.10	3.66	10.75	6.07	4.21	1.50	0.85	0.60	0.84	10.75
MIN	0.58	0.60	0.63	1.02	0.94	3.74	4.20	1.56	0.68	0.58	0.54	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.80 M (A.D), AT 18.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.36 M (A.D)
LEFT BANK ELEVATION 11.33 M (A.D)
RIGHT BANK ELEVATION 11.32 M (A.D), DRAINAGE AREA 1794 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.65	0.58	4.40	2.45	25.51	36.16	31.54	4.50	0.65	0.50	0.85	
2	0.65	0.75	0.58	4.50	2.20	28.21	41.55	22.80	4.10	0.55	0.45	1.20	
3	0.55	0.80	0.58	4.15	2.60	32.44	41.67	19.00	3.85	0.53	0.45	1.10	
4	0.53	0.88	0.58	3.75	1.95	49.50	40.90	13.10	3.45	0.83	0.45	0.90	
5	0.55	0.90	0.58	3.75	1.85	84.50	39.11	10.90	3.25	1.10	0.45	0.75	
6	0.58	0.90	0.60	3.80	1.80	419.80	37.95	8.63	2.95	1.25	0.40	0.70	
7	0.62	0.88	0.62	3.85	1.70	895.50	38.72	6.38	2.75	0.88	0.45	0.70	
8	0.68	0.72	0.65	4.10	1.70	784.00	38.34	5.18	2.70	0.85	0.45	0.70	
9	0.72	0.70	0.65	4.95	1.70	729.20	37.06	5.10	2.50	0.80	0.38	0.62	
10	0.72	0.68	0.68	4.87	1.70	577.80	34.88	8.03	2.30	0.75	0.35	0.60	
11	0.72	0.68	0.70	9.70	1.75	415.70	32.18	8.03	2.25	0.68	0.38	0.47	
12	0.68	0.65	0.77	11.70	1.75	336.60	31.41	7.80	2.15	0.55	0.40	0.40	
13	0.58	0.62	0.80	15.90	1.75	292.80	37.06	11.00	2.00	0.47	0.40	0.38	
14	0.53	0.60	0.88	20.30	1.85	271.60	39.75	10.00	1.95	0.47	0.42	0.30	
15	0.47	0.60	1.15	23.30	3.60	238.80	37.06	7.95	1.90	0.45	0.42	0.25	
16	0.45	0.58	4.10	23.90	4.65	205.80	35.26	6.98	1.85	0.45	0.38	0.25	
17	0.55	0.55	4.30	26.03	7.28	171.60	37.31	6.53	1.55	0.45	0.40	0.25	
18	0.53	0.55	4.73	29.23	11.90	145.20	41.67	6.00	1.50	0.45	0.47	0.25	
19	0.58	0.55	4.50	30.13	14.50	122.75	46.68	5.48	1.40	0.50	0.40	0.23	
20	0.62	0.55	4.20	28.85	15.70	102.87	51.29	5.25	1.40	0.60	0.35	0.23	
21	0.65	0.53	3.75	25.00	12.80	86.30	52.70	5.18	1.30	0.53	0.40	0.20	
22	0.65	0.50	3.30	20.80	12.80	72.30	54.50	5.18	1.15	0.50	0.50	0.17	
23	0.65	0.53	3.05	15.90	14.50	61.25	54.95	5.48	1.10	0.50	0.42	0.15	
24	0.65	0.53	2.70	13.50	16.20	49.11	55.55	6.30	1.00	0.62	0.40	0.15	
25	0.65	0.53	2.55	10.80	19.90	40.26	55.40	6.68	0.95	0.70	0.40	0.17	
26	0.68	0.53	2.40	9.30	22.30	34.36	54.12	6.90	0.90	0.70	0.40	0.17	
27	0.68	0.53	2.25	5.48	23.20	33.08	53.09	6.83	0.88	0.58	0.40	0.17	
28	0.68	0.55	2.20	3.20	23.80	30.13	52.06	6.23	0.88	0.60	0.35	0.17	
29	0.68	0.55	2.55	2.85	24.60	26.03	50.52	6.38	0.88	0.50		0.20	
30	0.68	0.58	3.15	2.60	24.10	28.33	46.55	4.95	0.80	0.50		0.15	
31		0.58		2.10	24.00		40.39		0.70	0.50		0.32	
TOTAL	18.68	19.73	60.13	372.69	302.58	6391.33	1345.84	265.79	60.84	19.49	11.62	13.15	8881.87 CMSDAY
MEAN	0.62	0.64	2.00	12.02	9.76	213.04	43.41	8.86	1.96	0.63	0.41	0.42	24.33 CMS
MAX	0.72	0.90	4.73	30.13	24.60	895.50	55.55	31.54	4.50	1.25	0.50	1.20	895.50 CMS
MIN	0.45	0.50	0.58	2.10	1.70	25.51	31.41	4.95	0.70	0.45	0.35	0.15	0.15 CMS
RUNOFF	1.614	1.705	5.195	32.200	26.143	552.211	116.281	22.964	5.257	1.684	1.004	1.136	767.394 MCM

MOMENTARY PEAK 950.00 CMS, AT 10.80 M (A.D), AT 18.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 13.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 529.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

HUAI KHAYUNG AT BAN NAM OM, SI SA KET (M.66)

LOCATION — LAT. 14-38-23 N., LONG. 104-39-45 E., ON RIGHT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF KANTHARALAK-DET UDOM ROAD, BAN NAM OM, AMPHOE KANTHARALAK, SI SA KET.

DRAINAGE AREA — 586 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — AT THE AUTOMATIC GAGE BUILDING.

ELEVATION — +6.581 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 24 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1968, 1972 - 1981.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965-1968, 1972 - 1981.

STABILITY OF CHANNEL REGIMES — STABLE.

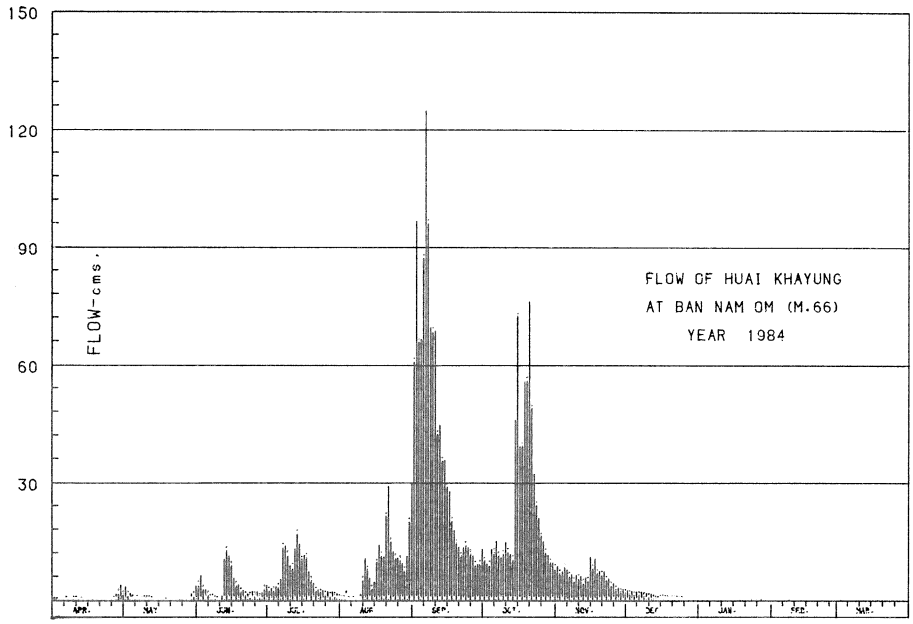
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 160 DISCHARGE MEASUREMENTS MADE DURING 1977 - 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.65	0.80	0.64	0.35	3.46	1.20	1.05	0.54	0.24	0.15	0.14	
2	0.24	0.51	0.89	0.61	0.35	4.59	1.09	0.99	0.54	0.24	0.15	0.20	
3	0.23	0.43	0.69	0.65	0.32	3.62	1.14	0.96	0.51	0.23	0.15	0.18	
4	0.33	0.38	0.57	0.65	0.30	3.62	1.34	1.09	0.50	0.24	0.11	0.16	
5	0.30	0.36	0.52	0.74	0.30	4.34	1.35	0.99	0.50	0.23	0.11	0.15	
6	0.30	0.36	0.40	0.83	0.30	5.36	1.48	0.95	0.51	0.21	0.13	0.14	
7	0.19	0.32	0.42	1.44	0.28	4.60	1.29	0.91	0.49	0.22	0.15	0.17	
8	0.27	0.27	0.34	1.40	0.30	3.72	1.20	0.86	0.47	0.21	0.15	0.17	
9	0.30	0.35	0.30	1.31	0.41	3.72	1.32	0.90	0.44	0.20	0.15	0.17	
10	0.31	0.34	0.30	1.06	0.88	3.69	1.46	0.91	0.45	0.20	0.11	0.14	
11	0.29	0.35	0.53	1.10	1.18	2.79	1.35	0.88	0.42	0.20	0.08	0.09	
12	0.26	0.30	1.17	1.35	1.05	2.85	1.25	0.83	0.39	0.20	0.08	0.15	
13	0.21	0.23	1.38	1.65	0.85	2.52	1.23	0.86	0.34	0.20	0.15	0.15	
14	0.23	0.22	1.23	1.43	0.69	2.49	2.90	0.87	0.32	0.16	0.11	0.15	
15	0.24	0.27	1.13	1.22	0.77	2.24	3.84	1.21	0.36	0.18	0.10	0.15	
16	0.28	0.18	0.85	1.24	1.17	2.14	2.63	1.07	0.39	0.18	0.10	0.15	
17	0.24	0.23	0.79	1.27	1.41	1.81	2.67	1.18	0.36	0.17	0.08	0.14	
18	0.24	0.21	0.70	0.96	1.29	1.64	3.26	0.99	0.35	0.18	0.08	0.15	
19	0.23	0.15	0.62	0.88	1.21	1.50	3.30	0.97	0.35	0.19	0.08	0.15	
20	0.25	0.17	0.54	0.74	1.87	1.38	3.94	0.97	0.34	0.19	0.07	0.15	
21	0.23	0.14	0.50	0.64	2.21	1.28	3.05	0.96	0.34	0.17	0.08	0.15	
22	0.24	0.20	0.42	0.56	1.53	1.37	2.35	0.88	0.34	0.17	0.12	0.15	
23	0.21	0.16	0.48	0.59	1.30	1.47	2.01	0.84	0.32	0.17	0.12	0.15	
24	0.30	0.21	0.50	0.54	1.26	1.37	1.80	0.78	0.32	0.17	0.10	0.15	
25	0.30	0.22	0.49	0.53	1.19	1.33	1.61	0.74	0.30	0.15	0.10	0.15	
26	0.31	0.29	0.50	0.50	1.23	1.23	1.47	0.68	0.30	0.14	0.10	0.15	
27	0.41	0.31	0.44	0.48	1.10	1.13	1.34	0.62	0.28	0.17	0.10	0.12	
28	0.59	0.38	0.46	0.49	1.04	1.08	1.24	0.60	0.26	0.15	0.09	0.10	
29	0.70	0.42	0.70	0.47	1.22	1.15	1.17	0.59	0.24	0.15		0.10	
30	0.52	0.51	0.69	0.43	1.80	1.34	1.11	0.58	0.26	0.15		0.11	
31		0.67		0.40	2.24		1.08		0.24	0.15		0.12	
MEAN	0.30	0.32	0.65	0.86	1.01	2.49	1.85	0.89	0.38	0.19	0.11	0.15	
MAX	0.70	0.67	1.38	1.65	2.24	5.36	3.94	1.21	0.54	0.24	0.15	0.20	5.36
MIN	0.19	0.14	0.30	0.40	0.28	1.08	1.08	0.58	0.24	0.14	0.07	0.09	0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.76 M (A.D), AT 6.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 586 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	3.50	5.00	3.40	1.25	61.80	11.00	8.75	2.55	0.70	0.25	0.20	
2	0.70	2.32	6.35	3.10	1.25	96.65	9.35	7.85	2.55	0.70	0.25	0.50	
3	0.65	1.73	3.90	3.50	1.10	66.60	10.10	7.40	2.32	0.65	0.25	0.40	
4	1.15	1.40	2.78	3.50	1.00	66.60	13.10	9.35	2.25	0.70	0.05	0.30	
5	1.00	1.30	2.40	4.40	1.00	88.20	13.25	7.85	2.25	0.65	0.05	0.25	
6	1.00	1.30	1.50	5.45	1.00	124.90	15.20	7.25	2.32	0.55	0.15	0.20	
7	0.45	1.10	1.65	14.60	0.90	97.00	12.35	6.65	2.18	0.60	0.25	0.35	
8	0.85	0.85	1.20	14.00	1.00	69.60	11.00	5.90	2.02	0.55	0.25	0.35	
9	1.00	1.25	1.00	12.65	1.57	69.60	12.80	6.50	1.80	0.50	0.25	0.35	
10	1.05	1.20	1.00	8.90	6.20	68.70	14.90	6.65	1.87	0.50	0.05	0.20	
11	0.95	1.25	2.47	9.50	10.70	43.25	13.25	6.20	1.65	0.50	0.00	0.00	
12	0.80	1.00	10.55	13.25	8.75	44.75	11.75	5.45	1.45	0.50	0.00	0.25	
13	0.55	0.65	13.70	18.00	5.75	36.50	11.45	5.90	1.20	0.50	0.25	0.25	
14	0.65	0.60	11.45	14.45	3.90	35.75	46.00	6.05	1.10	0.30	0.05	0.25	
15	0.70	0.85	9.95	11.30	4.70	29.80	73.20	11.15	1.30	0.40	0.00	0.25	
16	0.90	0.40	5.75	11.60	10.55	27.80	39.25	9.05	1.45	0.40	0.00	0.25	
17	0.70	0.65	4.90	12.05	14.15	21.20	40.25	10.70	1.30	0.35	0.00	0.20	
18	0.70	0.55	4.00	7.40	12.35	17.80	55.80	7.85	1.25	0.40	0.00	0.25	
19	0.65	0.25	3.20	6.20	11.15	15.50	57.00	7.55	1.25	0.45	0.00	0.25	
20	0.75	0.35	2.55	4.40	22.40	13.70	76.20	7.55	1.20	0.45	0.00	0.25	
21	0.65	0.20	2.25	3.40	29.20	12.20	49.75	7.40	1.20	0.35	0.00	0.25	
22	0.70	0.50	1.65	2.70	15.95	13.55	32.25	6.20	1.20	0.35	0.10	0.25	
23	0.55	0.30	2.10	2.92	12.50	15.05	25.20	5.60	1.10	0.35	0.10	0.25	
24	1.00	0.55	2.25	2.55	11.90	13.55	21.00	4.80	1.10	0.35	0.00	0.25	
25	1.00	0.60	2.18	2.47	10.85	12.95	17.20	4.40	1.00	0.25	0.00	0.25	
26	1.05	0.95	2.25	2.25	11.45	11.45	15.05	3.80	1.00	0.20	0.00	0.25	
27	1.57	1.05	1.80	2.10	9.50	9.95	13.10	3.20	0.90	0.35	0.00	0.10	
28	2.92	1.40	1.95	2.18	8.60	9.20	11.60	3.00	0.80	0.25	0.00	0.00	
29	4.00	1.65	4.00	2.02	11.30	10.25	10.55	2.92	0.70	0.25		0.00	
30	2.40	2.32	3.90	1.73	21.00	13.10	9.65	2.85	0.80	0.25		0.05	
31		3.70		1.50	29.80		9.20		0.70	0.25		0.10	
TOTAL	31.84	35.72	119.63	207.47	292.72	1216.95	761.75	195.77	45.76	13.55	2.30	7.05	2930.51 CMSDAY
MEAN	1.06	1.15	3.99	6.69	9.44	40.56	24.57	6.53	1.48	0.44	0.08	0.23	8.03 CMS
MAX	4.00	3.70	13.70	18.00	29.80	124.90	76.20	11.15	2.55	0.70	0.25	0.50	124.90 CMS
MIN	0.45	0.20	1.00	1.50	0.90	9.20	9.20	2.85	0.70	0.20	0.00	0.00	0.00 CMS
RUNOFF	2.751	3.086	10.336	17.925	25.291	105.144	65.815	16.915	3.954	1.171	0.199	0.609	253.196 MCM

MOMENTARY PEAK 140.90 CMS, AT 5.76 M (A.D), AT 6.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 13.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 240.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

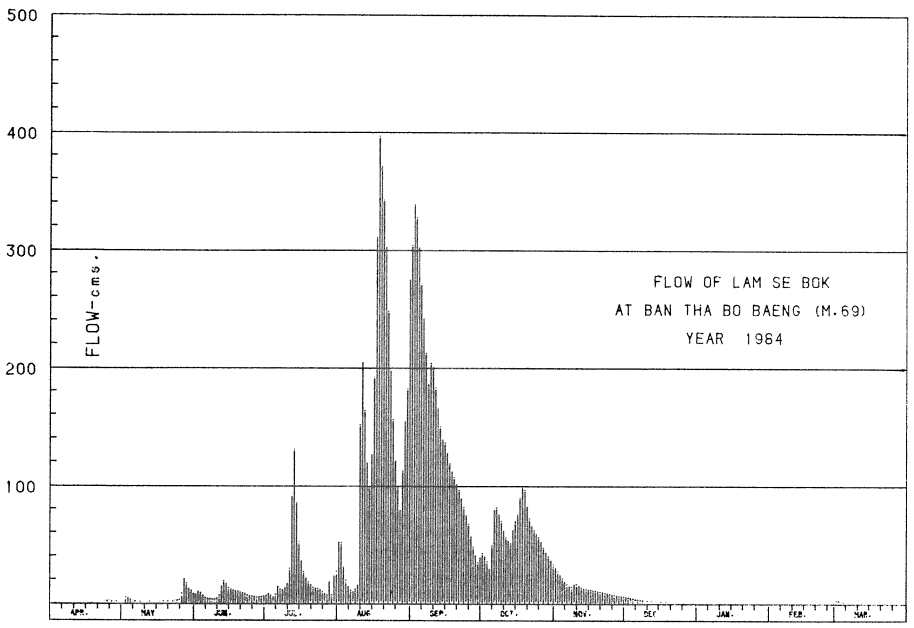
LAM SE BOK AT BAN THA BO BAENG, UBON RATCHATHANI (M.69)

LOCATION	LAT. 15-30- 11 N., LONG. 104-58-01 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE OF UBON-TRAKAN PHUTPHON HIGHWAY, AMPHOE TRAKAN PHUTPHON, UBON RATCHATHANI.
DRAINAGE AREA	2,132 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	BESIDE THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.985 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE
RATING OPERATION	
PERIOD OF RATING	1971, 1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971, 1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.99	1.50	1.44	3.08	8.04	3.77	3.20	1.47	0.80	0.67	1.20	
2	0.70	1.32	1.61	1.52	3.07	8.34	3.65	3.05	1.43	0.80	0.66	1.17	
3	0.70	1.28	1.57	1.45	2.45	8.25	3.47	2.90	1.40	0.80	0.66	1.05	
4	0.69	1.15	1.43	1.34	2.04	8.02	3.14	2.75	1.36	0.79	0.67	0.95	
5	0.68	1.06	1.32	1.51	1.82	7.74	4.04	2.61	1.30	0.78	0.67	0.89	
6	0.68	1.01	1.24	1.82	1.67	7.44	4.98	2.47	1.27	0.78	0.66	0.85	
7	0.67	0.95	1.23	1.72	1.60	7.12	5.03	2.34	1.22	0.78	0.66	0.82	
8	0.66	0.95	1.21	1.68	1.73	6.79	4.88	2.29	1.19	0.78	0.65	0.80	
9	0.65	0.95	1.20	1.77	1.87	7.02	4.72	2.45	1.14	0.78	0.65	0.78	
10	0.65	0.96	1.26	1.93	5.31	6.98	4.47	2.47	1.11	0.76	0.65	0.76	
11	0.67	0.96	1.45	2.42	6.24	6.75	4.27	2.35	1.08	0.76	0.66	0.75	
12	0.68	0.96	1.83	4.06	5.53	6.52	4.18	2.25	1.05	0.75	0.67	0.71	
13	0.69	0.94	2.02	4.90	4.67	6.30	4.11	2.19	1.04	0.75	0.66	0.69	
14	0.71	0.95	1.93	3.94	4.24	6.12	4.49	2.15	1.01	0.73	0.65	0.67	
15	0.73	0.96	1.78	3.09	4.81	6.08	4.72	2.11	1.00	0.73	0.65	0.66	
16	0.75	0.97	1.71	2.62	6.04	5.93	4.88	2.09	0.97	0.73	0.65	0.70	
17	0.76	0.98	1.67	2.33	7.80	5.78	5.23	2.05	0.95	0.73	0.65	0.73	
18	0.79	0.99	1.64	2.11	8.90	5.66	5.40	2.01	0.94	0.72	0.65	0.74	
19	0.80	1.00	1.63	1.98	8.58	5.57	5.37	1.97	0.93	0.71	0.65	0.74	
20	0.79	0.98	1.59	1.88	8.23	5.46	5.05	1.92	0.92	0.70	0.66	0.74	
21	0.80	0.98	1.56	1.80	7.69	5.36	4.79	1.88	0.90	0.70	0.68	0.72	
22	0.92	0.99	1.53	1.76	6.92	5.21	4.60	1.82	0.88	0.69	0.67	0.70	
23	1.03	1.05	1.46	1.75	6.12	5.04	4.48	1.77	0.87	0.69	0.66	0.71	
24	1.03	1.08	1.42	1.70	5.39	4.86	4.38	1.73	0.85	0.69	0.67	0.71	
25	1.06	1.15	1.40	1.62	5.82	4.65	4.28	1.68	0.84	0.69	0.67	0.69	
26	0.97	1.55	1.36	1.53	5.40	4.31	4.15	1.65	0.84	0.70	0.68	0.68	
27	0.96	2.09	1.34	1.47	4.97	3.99	3.96	1.60	0.82	0.69	0.71	0.68	
28	0.96	1.94	1.34	1.99	5.67	3.68	3.79	1.56	0.82	0.69	0.98	0.68	
29	0.94	1.74	1.37	1.48	6.36	3.43	3.65	1.54	0.81	0.69		0.68	
30	0.97	1.66	1.40	2.19	6.74	3.61	3.51	1.51	0.81	0.67		0.71	
31		1.52		2.34	7.77		3.35		0.80	0.66		0.69	
MEAN	0.79	1.16	1.50	2.10	5.11	6.00	4.35	2.15	1.03	0.73	0.67	0.78	
MAX	1.06	2.09	2.02	4.90	8.90	8.34	5.40	3.20	1.47	0.80	0.98	1.20	8.90
MIN	0.65	0.94	1.20	1.34	1.60	3.43	3.14	1.51	0.80	0.66	0.65	0.66	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.98 M (A.D), AT 5.00 HOURS, ON AUG 18, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.49 M (A.D)
LEFT BANK ELEVATION 11.23 M (A.D)
RIGHT BANK ELEVATION 11.23 M (A.D), DRAINAGE AREA 2132 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	1.95	8.00	7.10	52.30	304.40	43.03	30.50	5.70	1.00	0.35	3.00	
2	0.50	5.30	10.20	8.40	51.95	338.80	40.13	27.50	5.30	1.00	0.30	2.85	
3	0.50	4.80	9.40	7.25	31.00	328.00	35.90	24.50	5.00	1.00	0.30	2.25	
4	0.45	3.50	6.95	5.60	20.00	302.20	29.30	21.50	4.60	0.95	0.35	1.75	
5	0.40	2.60	5.30	8.20	14.50	272.00	49.55	18.70	4.00	0.90	0.35	1.45	
6	0.40	2.10	4.40	14.50	11.40	242.00	79.70	16.71	3.70	0.90	0.30	1.25	
7	0.35	1.75	4.30	12.40	10.00	212.80	81.70	14.92	3.20	0.90	0.30	1.10	
8	0.30	1.75	4.10	11.60	12.60	186.25	75.80	14.24	2.95	0.90	0.25	1.00	
9	0.25	1.75	4.00	13.40	15.75	204.20	70.20	16.44	2.70	0.90	0.25	0.90	
10	0.25	1.80	4.60	17.25	152.05	200.90	62.10	16.71	2.55	0.80	0.25	0.80	
11	0.35	1.80	7.25	30.10	204.90	183.25	56.10	15.06	2.40	0.80	0.30	0.75	
12	0.40	1.80	14.75	91.20	164.15	166.00	53.40	13.69	2.25	0.75	0.35	0.55	
13	0.45	1.70	19.50	131.00	119.50	150.50	51.30	12.90	2.20	0.75	0.30	0.45	
14	0.55	1.75	17.25	85.80	99.30	139.20	62.70	12.50	2.05	0.65	0.25	0.35	
15	0.65	1.80	13.60	52.65	126.50	136.80	70.20	12.10	2.00	0.65	0.25	0.30	
16	0.75	1.85	12.20	36.20	192.90	127.80	75.80	11.90	1.85	0.65	0.25	0.50	
17	0.80	1.90	11.40	27.40	311.00	118.90	90.35	11.50	1.75	0.65	0.25	0.65	
18	0.95	1.95	10.80	21.75	397.00	112.30	98.50	11.10	1.70	0.60	0.25	0.70	
19	1.00	2.00	10.60	18.50	371.40	107.35	97.00	10.70	1.65	0.55	0.25	0.70	
20	0.95	1.90	9.80	16.00	343.40	101.50	82.50	10.20	1.60	0.50	0.30	0.70	
21	1.00	1.90	9.20	14.00	302.75	96.50	72.65	9.80	1.50	0.50	0.40	0.60	
22	1.60	1.95	8.60	13.20	248.40	89.45	66.00	9.20	1.40	0.45	0.35	0.50	
23	2.30	2.50	7.40	13.00	197.70	82.10	62.40	8.70	1.35	0.45	0.30	0.55	
24	2.30	2.80	6.80	12.00	156.45	75.10	59.40	8.30	1.25	0.45	0.35	0.55	
25	2.60	3.50	6.50	10.40	121.20	67.75	56.40	7.80	1.20	0.45	0.35	0.45	
26	1.85	9.00	5.90	8.60	98.50	57.30	52.50	7.50	1.20	0.50	0.40	0.40	
27	1.80	21.25	5.60	7.55	79.30	48.34	47.62	7.00	1.10	0.45	0.55	0.40	
28	1.80	17.50	5.60	18.75	112.85	40.85	43.51	6.60	1.10	0.45	1.90	0.40	
29	1.70	12.80	6.05	7.70	154.70	35.10	40.13	6.40	1.05	0.45		0.40	
30	1.85	11.20	6.50	23.75	182.50	39.16	36.74	6.10	1.05	0.35		0.55	
31		8.40		27.70	275.00		33.50		1.00	0.30		0.45	
TOTAL	29.55	138.55	256.55	772.95	4630.95	4566.80	1876.11	400.77	72.35	20.60	10.35	27.25	12802.78 CMSDAY
MEAN	0.99	4.47	8.55	24.93	149.39	152.23	60.52	13.36	2.33	0.66	0.37	0.88	35.08 CMS
MAX	2.60	21.25	19.50	131.00	397.00	338.80	98.50	30.50	5.70	1.00	1.90	3.00	397.00 CMS
MIN	0.25	1.70	4.00	5.60	10.00	35.10	29.30	6.10	1.00	0.30	0.25	0.30	0.25 CMS
RUNOFF	2.553	11.971	22.166	66.783	400.114	394.572	162.096	34.627	6.251	1.780	0.894	2.354	1106.160 MCM

MOMENTARY PEAK 403.40 CMS, AT 8.98 M (A.D), AT 5.00 HOURS, ON AUG 18, 1984

RUNOFF YIELD 16.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 189.21 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

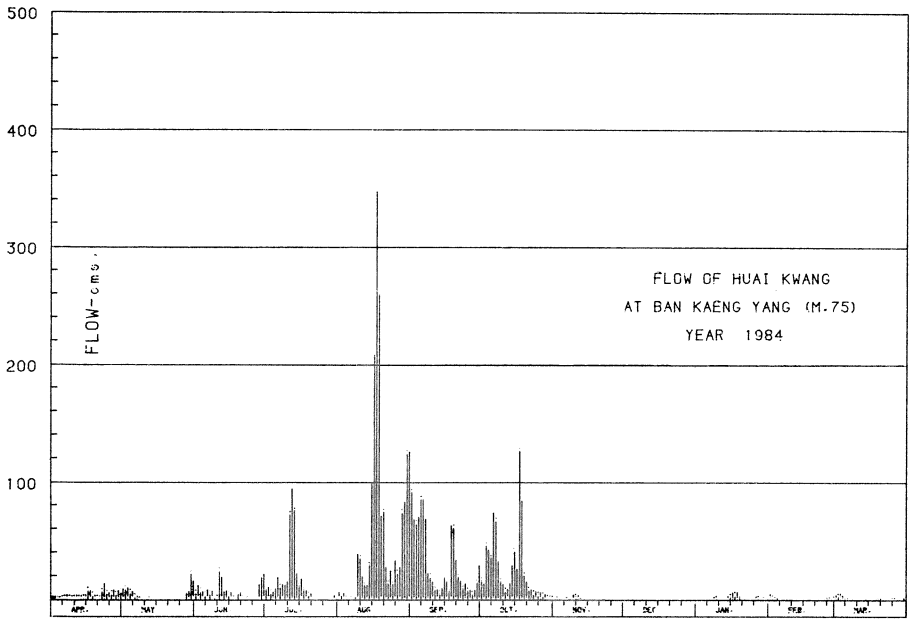
HUAI KWANG AT BAN KAENG YANG, UBON RATCHATHANI (M.75)

LOCATION	LAT. 15-09-53 N., LONG. 105-17-01 E., ON LEFT BANK AT THE BRIDGE OF PHIBUN MANGSAHAN-CHONG MEK HIGHWAY NEAR WAT PA THEPBUROM, AMPHOE PHIBUN MANGSAHAN, UBON RATCHATHANI.
DRAINAGE AREA	388 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 9 METERS FROM THE BANK AT WAT PA THEPBUROM.
ELEVATION	+6.775 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.28	1.72	1.68	1.81	1.55	4.17	2.03	1.25	0.76	1.09	1.44	1.38	
2	1.26	1.80	1.82	1.77	1.58	3.22	1.86	1.20	0.76	1.01	1.34	1.47	
3	1.24	1.75	1.75	1.70	1.48	3.17	2.62	1.17	0.77	1.01	1.28	1.48	
4	1.21	1.70	1.58	1.56	1.32	3.33	2.53	1.17	0.76	1.07	1.08	1.34	
5	1.30	1.59	1.57	1.83	1.25	4.00	2.45	1.18	0.75	1.15	1.01	1.17	
6	1.36	1.46	1.68	2.05	1.21	3.92	3.51	1.17	0.74	1.17	1.05	1.15	
7	1.39	1.30	1.65	1.85	1.18	3.34	3.28	1.14	0.75	1.13	1.14	1.15	
8	1.36	1.22	1.61	1.84	1.47	2.14	2.36	1.15	0.77	1.22	1.26	1.07	
9	1.31	1.17	1.43	1.94	2.47	2.13	2.01	1.39	0.74	1.29	1.12	1.00	
10	1.35	1.11	1.39	1.92	2.45	1.92	1.85	1.44	0.75	1.10	1.10	0.99	
11	1.38	1.15	2.25	3.56	2.06	1.77	1.74	1.35	0.74	1.01	1.02	1.05	
12	1.36	1.22	2.05	4.19	1.90	1.70	1.71	1.10	0.76	0.98	1.01	1.01	
13	1.36	1.08	1.75	3.67	1.82	1.64	1.98	0.99	0.75	1.08	0.97	1.04	
14	1.40	0.98	1.63	2.13	2.34	1.73	2.29	0.95	0.76	1.29	1.03	1.18	
15	1.40	1.03	1.57	1.88	4.31	2.10	2.55	0.90	0.77	1.45	1.17	1.17	
16	1.76	1.05	1.54	2.00	6.38	1.92	2.23	0.87	0.75	1.53	1.04	1.13	
17	1.62	1.01	1.33	1.78	7.85	1.72	4.96	0.86	0.76	1.56	1.01	1.08	
18	1.55	0.90	1.25	1.64	7.06	2.89	3.88	0.82	0.76	1.55	0.99	1.01	
19	1.36	0.93	1.64	1.57	3.37	2.92	2.15	0.91	0.77	1.26	1.00	1.12	
20	1.36	1.00	1.53	1.46	3.63	2.38	1.92	0.94	0.72	1.09	0.98	1.07	
21	1.31	1.11	1.39	1.31	2.26	2.11	1.77	0.84	0.72	1.02	0.98	1.09	
22	1.73	1.17	1.28	1.19	1.95	1.94	1.69	0.84	0.76	1.05	1.05	1.12	
23	1.87	1.12	1.21	1.24	2.20	1.82	1.63	0.80	0.73	0.98	1.10	1.13	
24	1.64	1.24	1.11	1.16	1.92	1.87	1.59	0.80	0.83	0.98	1.18	1.09	
25	1.51	1.08	1.00	1.02	2.37	1.75	1.55	0.78	1.00	1.05	1.20	1.17	
26	1.62	0.97	1.00	1.06	2.21	1.66	1.53	0.77	1.03	1.26	1.18	1.13	
27	1.67	1.06	1.02	0.95	2.26	1.60	1.51	0.77	0.98	1.30	1.20	1.01	
28	1.59	1.58	1.84	0.93	3.63	1.65	1.42	0.76	1.04	1.22	1.25	0.99	
29	1.64	1.58	2.12	1.11	3.84	1.97	1.36	0.76	1.06	1.20		0.99	
30	1.72	2.19	2.12	1.21	4.92	2.29	1.32	0.75	0.96	1.21		1.28	
31		1.95		1.36	4.90		1.28		1.01	1.31		1.35	
MEAN	1.46	1.30	1.56	1.76	2.88	2.36	2.15	0.99	0.81	1.18	1.11	1.14	
MAX	1.87	2.19	2.25	4.19	7.85	4.17	4.96	1.44	1.06	1.56	1.44	1.48	7.85
MIN	1.21	0.90	1.00	0.93	1.18	1.60	1.28	0.75	0.72	0.98	0.97	0.99	0.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.50 M (A.D), AT 13.00 HOURS, ON AUG 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.08 M (A.D)
LEFT BANK ELEVATION 9.39 M (A.D)
RIGHT BANK ELEVATION 9.47 M (A.D), DRAINAGE AREA 388 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.30	9.60	8.70	12.30	6.75	93.95	19.05	3.00	0.09	1.43	5.10	4.30	
2	3.10	12.00	12.60	11.10	7.20	68.40	13.80	2.50	0.09	0.87	3.90	5.55	
3	2.90	10.50	10.50	9.00	5.70	67.55	48.50	2.20	0.10	0.87	3.30	5.70	
4	2.60	9.00	7.20	6.90	3.70	70.60	42.80	2.20	0.09	1.29	1.36	3.90	
5	3.50	7.35	7.05	12.90	3.00	88.00	38.00	2.30	0.08	2.00	0.87	2.20	
6	4.10	5.40	8.70	19.75	2.60	85.60	74.20	2.20	0.06	2.20	1.15	2.00	
7	4.40	3.50	8.25	13.50	2.30	70.80	69.60	1.90	0.08	1.80	1.90	2.00	
8	4.10	2.70	7.65	13.20	5.55	22.90	33.00	2.00	0.10	2.70	3.10	1.29	
9	3.60	2.20	4.95	16.20	39.20	22.55	18.35	4.40	0.06	3.40	1.70	0.80	
10	4.00	1.60	4.40	15.60	38.00	15.60	13.50	5.10	0.08	1.50	1.50	0.75	
11	4.30	2.00	27.50	75.20	20.10	11.10	10.20	4.00	0.06	0.87	0.94	1.15	
12	4.10	2.70	19.75	94.65	15.00	9.00	9.30	1.50	0.09	0.70	0.87	0.87	
13	4.10	1.36	10.50	78.10	12.60	8.10	17.40	0.75	0.08	1.36	0.65	1.08	
14	4.50	0.70	7.95	22.55	32.00	9.90	29.50	0.55	0.09	3.40	1.01	2.30	
15	4.50	1.01	7.05	14.40	99.40	21.50	44.00	0.30	0.10	5.25	2.20	2.20	
16	10.80	1.15	6.60	18.00	210.70	15.60	26.50	0.26	0.08	6.45	1.08	1.80	
17	7.80	0.87	3.80	11.40	347.50	9.60	129.00	0.24	0.09	6.90	0.87	1.36	
18	6.75	0.30	3.00	8.10	262.10	63.35	84.40	0.18	0.09	6.75	0.75	0.87	
19	4.10	0.45	8.10	7.05	71.40	63.80	23.25	0.35	0.10	3.10	0.80	1.70	
20	4.10	0.80	6.45	5.40	76.90	34.00	15.60	0.50	0.03	1.43	0.70	1.29	
21	3.60	1.60	4.40	3.60	28.00	21.85	11.10	0.21	0.03	0.94	0.70	1.43	
22	9.90	2.20	3.30	2.40	16.50	16.20	8.85	0.21	0.09	1.15	1.15	1.70	
23	14.10	1.70	2.60	2.90	25.00	12.60	7.95	0.15	0.05	0.70	1.50	1.80	
24	8.10	2.90	1.60	2.10	15.60	14.10	7.35	0.15	0.19	0.70	2.30	1.43	
25	6.15	1.36	0.80	0.94	33.50	10.50	6.75	0.12	0.80	1.15	2.50	2.20	
26	7.80	0.65	0.80	1.22	25.50	8.40	6.45	0.10	1.01	3.10	2.30	1.80	
27	8.55	1.22	0.94	0.55	28.00	7.50	6.15	0.10	0.70	3.50	2.50	0.87	
28	7.35	7.20	13.20	0.45	76.90	8.25	4.80	0.09	1.08	2.70	3.00	0.75	
29	8.10	7.20	22.20	1.60	83.20	17.10	4.10	0.09	1.22	2.50		0.75	
30	9.60	24.65	22.20	2.60	127.00	29.50	3.70	0.08	0.60	2.60		3.30	
31		16.50		4.10	126.00		3.30		0.87	3.60		4.00	
TOTAL	173.90	142.37	252.74	487.76	1846.90	997.90	830.45	37.73	8.28	76.91	49.70	63.14	4967.78 CMSDAY
MEAN	5.80	4.59	8.42	15.73	59.58	33.26	26.79	1.26	0.27	2.48	1.78	2.04	13.61 CMS
MAX	14.10	24.65	27.50	94.65	347.50	93.95	129.00	5.10	1.22	6.90	5.10	5.70	347.50 CMS
MIN	2.60	0.30	0.80	0.45	2.30	7.50	3.30	0.08	0.03	0.70	0.65	0.75	0.03 CMS
RUNOFF	15.025	12.301	21.837	42.142	159.572	86.219	71.751	3.260	0.715	6.645	4.294	5.455	429.216 MCM

MOMENTARY PEAK 640.00 CMS, AT 8.50 M (A.D), AT 13.00 HOURS, ON AUG 17, 1984

RUNOFF YIELD 35.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1649.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

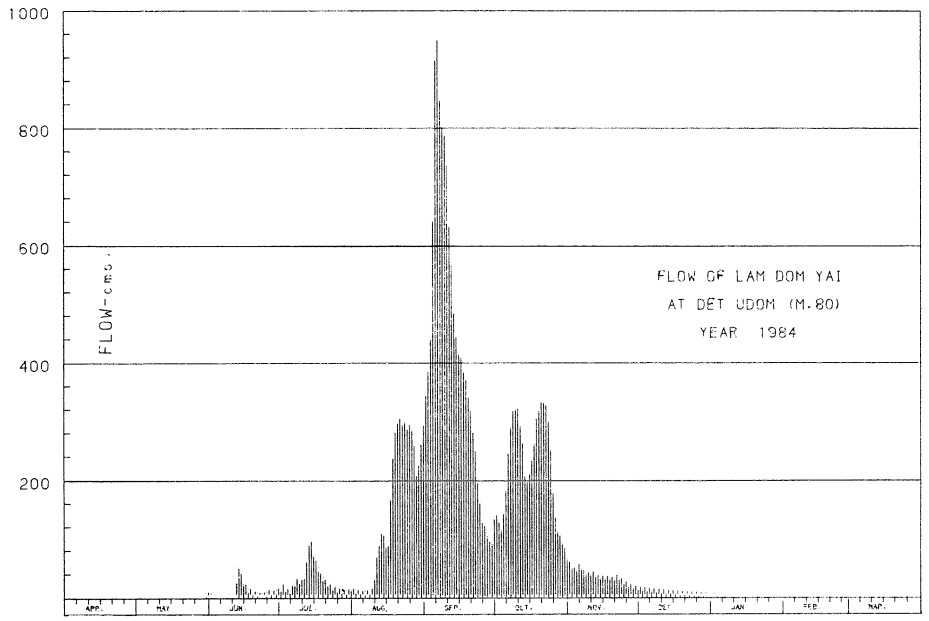
LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION	LAT. 14-53-53 N., LONG. 105-05-08 E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.
DRAINAGE AREA	3,363 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+11.826 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.54	1.07	1.58	1.44	8.95	5.01	2.93	1.56	1.06	0.88	0.73	
2	0.60	0.54	1.02	1.72	1.41	9.42	4.60	2.73	1.54	1.05	0.87	0.72	
3	0.60	0.60	0.96	1.55	1.37	10.02	4.38	2.63	1.52	1.05	0.87	0.74	
4	0.60	0.64	0.92	1.43	1.33	10.93	4.98	2.65	1.50	1.04	0.87	0.74	
5	0.60	0.68	0.90	1.43	1.28	11.60	5.96	2.79	1.48	1.02	0.85	0.73	
6	0.60	0.68	0.91	1.64	1.25	11.65	7.16	2.71	1.46	1.02	0.84	0.73	
7	0.60	0.70	0.96	1.84	1.29	11.47	8.06	2.53	1.43	1.01	0.83	0.76	
8	0.59	0.70	0.97	2.05	1.32	11.36	8.46	2.42	1.41	1.00	0.83	0.76	
9	0.58	0.71	0.97	2.01	1.48	11.34	8.58	2.38	1.38	1.00	0.83	0.79	
10	0.57	0.72	0.96	1.98	2.18	11.20	8.54	2.41	1.36	0.98	0.82	0.77	
11	0.56	0.72	0.98	2.26	3.14	10.92	8.11	2.44	1.35	0.98	0.82	0.74	
12	0.55	0.74	1.79	2.90	3.77	10.68	7.50	2.31	1.32	0.97	0.82	0.74	
13	0.54	0.74	2.79	3.81	4.12	10.35	6.52	2.23	1.29	0.97	0.81	0.72	
14	0.54	0.74	2.34	3.82	4.26	10.02	6.21	2.20	1.28	0.96	0.80	0.70	
15	0.55	0.74	1.89	3.37	3.55	9.79	6.57	2.20	1.27	0.95	0.79	0.69	
16	0.58	0.74	1.72	3.00	3.81	9.67	6.94	2.18	1.25	0.94	0.79	0.69	
17	0.58	0.74	1.50	2.66	5.51	9.48	7.56	2.17	1.23	0.94	0.78	0.67	
18	0.57	0.74	1.44	2.36	7.12	9.23	8.25	2.17	1.19	0.93	0.77	0.67	
19	0.56	0.75	1.28	2.15	7.85	8.93	8.54	2.11	1.19	0.92	0.76	0.64	
20	0.56	0.75	1.22	2.00	8.23	8.48	8.71	2.15	1.18	0.91	0.76	0.62	
21	0.56	0.72	1.16	1.85	8.26	7.95	8.77	2.25	1.19	0.91	0.76	0.62	
22	0.56	0.69	1.13	1.71	8.19	7.25	8.65	2.17	1.16	0.90	0.76	0.66	
23	0.56	0.69	1.10	1.62	8.15	6.28	8.24	2.04	1.16	0.90	0.76	0.66	
24	0.54	0.71	1.14	1.56	8.04	5.40	7.30	1.93	1.14	0.89	0.75	0.66	
25	0.54	0.72	1.16	1.50	8.08	4.71	5.86	1.85	1.14	0.89	0.73	0.66	
26	0.53	0.73	1.36	1.44	8.02	4.46	4.80	1.78	1.12	0.89	0.72	0.66	
27	0.51	0.74	1.30	1.37	7.43	4.13	4.31	1.72	1.12	0.90	0.73	0.65	
28	0.50	0.82	1.30	1.30	6.57	3.78	4.05	1.67	1.12	0.90	0.72	0.65	
29	0.53	0.94	1.37	1.30	6.78	3.80	3.82	1.61	1.10	0.90		0.64	
30	0.54	1.11	1.47	1.40	7.59	4.74	3.53	1.58	1.09	0.89		0.69	
31		1.15		1.56	8.07		3.18		1.08	0.88		0.69	
MEAN	0.56	0.74	1.30	2.01	4.87	8.60	6.55	2.23	1.28	0.95	0.80	0.70	
MAX	0.60	1.15	2.79	3.82	8.26	11.65	8.77	2.93	1.56	1.06	0.88	0.79	11.65
MIN	0.50	0.54	0.90	1.30	1.25	3.78	3.18	1.58	1.08	0.88	0.72	0.62	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.00 M (A.D), AT 1.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 117.40 M (A.D)
LEFT BANK ELEVATION 130.71 M (A.D)
RIGHT BANK ELEVATION 129.92 M (A.D), DRAINAGE AREA 3363 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.8	0.3	8.4	19.4	15.8	349.5	144.4	62.1	18.8	8.2	4.6	2.2	
2	0.8	0.3	7.4	23.6	15.2	385.6	128.0	55.1	18.2	8.0	4.4	2.0	
3	0.8	0.8	6.2	18.5	14.4	444.0	119.2	51.6	17.6	8.0	4.4	2.3	
4	0.8	1.2	5.4	15.6	13.6	641.6	143.2	52.3	17.0	7.8	4.4	2.3	
5	0.8	1.6	5.0	15.6	12.6	920.0	186.2	57.2	16.6	7.4	4.0	2.2	
6	0.8	1.6	5.2	21.2	12.0	950.0	245.3	54.4	16.2	7.4	3.8	2.2	
7	0.8	1.8	6.2	27.2	12.8	853.6	293.6	48.0	15.6	7.2	3.6	2.5	
8	0.7	1.8	6.4	33.5	13.4	802.4	317.6	44.6	15.2	7.0	3.6	2.5	
9	0.6	1.9	6.4	32.3	16.6	793.6	324.8	43.4	14.6	7.0	3.6	2.9	
10	0.6	2.0	6.2	31.4	37.4	736.0	322.4	44.3	14.2	6.6	3.4	2.6	
11	0.5	2.0	6.6	39.8	69.6	638.4	296.6	45.2	14.0	6.6	3.4	2.3	
12	0.4	2.3	25.7	61.0	94.8	566.4	262.8	41.3	13.4	6.4	3.4	2.3	
13	0.3	2.3	57.2	96.4	108.8	490.5	212.2	38.9	12.8	6.4	3.2	2.0	
14	0.3	2.3	42.2	96.8	114.4	444.0	197.5	38.0	12.6	6.2	3.0	1.8	
15	0.4	2.3	28.7	78.8	86.0	421.0	214.8	38.0	12.4	6.0	2.9	1.7	
16	0.6	2.3	23.6	64.5	96.4	409.0	233.9	37.4	12.0	5.8	2.9	1.7	
17	0.6	2.3	17.0	52.6	166.0	390.4	265.9	37.1	11.6	5.8	2.8	1.5	
18	0.6	2.3	15.8	42.8	243.2	370.4	305.0	37.1	10.8	5.6	2.6	1.5	
19	0.5	2.4	12.6	36.5	281.7	348.1	322.4	35.3	10.8	5.4	2.5	1.2	
20	0.5	2.4	11.4	32.0	303.8	318.8	332.7	36.5	10.6	5.2	2.5	1.0	
21	0.5	2.0	10.2	27.5	305.6	287.2	336.9	39.5	10.8	5.2	2.5	1.0	
22	0.5	1.7	9.6	23.3	301.4	249.9	329.0	37.1	10.2	5.0	2.5	1.4	
23	0.5	1.7	9.0	20.6	299.0	200.6	304.4	33.2	10.2	5.0	2.5	1.4	
24	0.3	1.9	9.8	18.8	292.4	161.0	252.5	29.9	9.8	4.8	2.4	1.4	
25	0.3	2.0	10.2	17.0	294.8	132.4	181.7	27.5	9.8	4.8	2.2	1.4	
26	0.2	2.2	14.2	15.8	291.2	122.4	136.0	25.4	9.4	4.8	2.0	1.4	
27	0.1	2.3	13.0	14.4	259.2	109.2	116.4	23.6	9.4	5.0	2.2	1.3	
28	0.0	3.4	13.0	13.0	214.8	95.2	106.0	22.1	9.4	5.0	2.0	1.3	
29	0.2	5.8	14.4	13.0	225.6	96.0	96.8	20.3	9.0	5.0		1.2	
30	0.3	9.2	16.4	15.0	267.5	133.6	85.2	19.4	8.8	4.8		1.7	
31		10.0		18.8	294.2		71.2		8.6	4.6		1.7	
TOTAL	15.1	78.4	423.4	1036.7	4774.2	12860.8	6884.6	1175.8	390.4	188.0	87.3	55.9	27970.6 CMSDAY
MEAN	0.5	2.5	14.1	33.4	154.0	428.7	222.1	39.2	12.6	6.1	3.1	1.8	76.6 CMS
MAX	0.8	10.0	57.2	96.8	305.6	950.0	336.9	62.1	18.8	8.2	4.6	2.9	950.0 CMS
MIN	0.0	0.3	5.0	13.0	12.0	95.2	71.2	19.4	8.6	4.6	2.0	1.0	0.0 CMS
RUNOFF	1.30	6.77	36.58	89.57	412.49	1111.17	594.83	101.59	33.73	16.24	7.54	4.83	2416.66 MCM

MOMENTARY PEAK 664.00 CMS, AT 11.00 M (A.D), AT 1.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 22.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 197.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

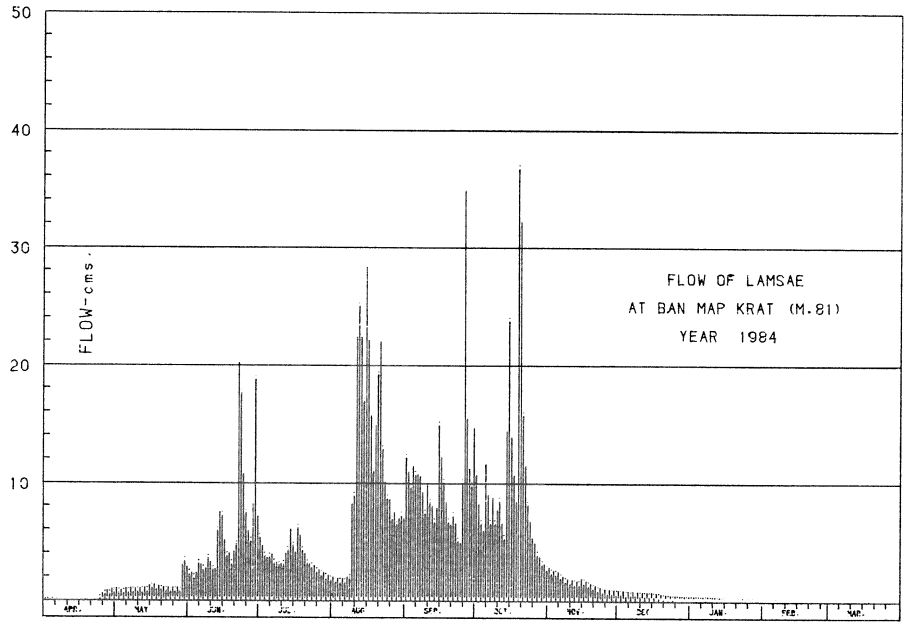
LAM SAE AT BAN MAP KRAT, NAKHON RATCHASIMA (M.81.)

LOCATION	LAT. 14-23-51 N., LONG. 102-15-20 E., ON RIGHT BANK ABOUT 3 KILOMETERS UPSTREAM FROM DAM SITE AT BAN MAP KRAT, TAMBON KHOK KRACHAI, AMPHOE KHON BURI, NAKHON RATCHASIMA.
DRAINAGE AREA	482 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+208.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF STATION OFFICE.
ELEVATION	+214.011 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 - 1969, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 - 1969, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW EFFECTED BY LAM SAE DAM DOWNSTREAM. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	209.26	210.34	211.24	211.80	210.98	212.16	212.10	211.36	210.22	209.70	209.41	209.14	
2	209.29	210.29	211.16	211.71	210.93	212.10	211.97	211.28	210.21	209.69	209.41	209.13	
3	209.27	210.16	211.10	211.64	210.92	212.05	211.89	211.24	210.19	209.68	209.42	209.13	
4	209.27	210.27	211.15	211.57	210.92	212.12	211.82	211.24	210.17	209.68	209.42	209.12	
5	209.24	210.33	211.53	211.63	210.91	212.10	212.14	211.20	210.16	209.67	209.41	209.12	
6	209.20	210.32	211.43	211.62	210.90	212.09	212.01	211.12	210.14	209.65	209.42	209.11	
7	209.16	210.36	211.39	211.54	210.99	212.10	211.89	211.04	210.13	209.73	209.42	209.12	
8	209.14	210.34	211.30	211.49	211.10	212.02	212.00	210.96	210.11	209.69	209.41	209.11	
9	209.13	210.32	211.61	211.50	211.97	211.94	211.89	210.89	210.10	209.66	209.42	209.10	
10	209.17	210.36	211.50	211.45	212.02	212.05	211.94	210.85	210.08	209.64	209.41	209.09	
11	209.15	210.34	211.37	211.52	212.49	211.99	212.00	210.84	210.07	209.61	209.40	209.09	
12	209.12	210.36	211.28	211.63	212.56	211.96	211.87	210.82	210.06	209.58	209.36	209.08	
13	209.12	210.38	211.84	211.70	212.49	211.90	211.79	210.78	210.05	209.56	209.38	209.08	
14	209.11	210.39	211.93	211.83	212.34	211.95	212.24	210.78	210.04	209.54	209.43	209.07	
15	209.12	210.49	211.93	211.73	212.63	212.27	212.53	210.93	210.04	209.54	209.39	209.09	
16	209.11	210.57	211.75	211.64	212.49	212.15	212.22	210.89	210.02	209.53	209.38	209.09	
17	209.14	210.54	211.64	211.86	212.29	212.07	212.10	210.79	210.01	209.51	209.24	209.11	
18	209.14	210.52	211.63	211.79	212.11	211.98	211.98	210.70	209.98	209.49	209.22	209.10	
19	209.13	210.48	211.53	211.70	212.26	211.90	212.80	210.62	209.90	209.49	209.21	209.10	
20	209.12	210.45	211.65	211.63	212.41	211.86	212.71	210.57	209.87	209.49	209.19	209.08	
21	209.17	210.40	211.74	211.53	212.48	211.93	212.30	210.52	209.84	209.54	209.17	209.07	
22	209.19	210.39	212.43	211.45	212.19	211.87	212.12	210.46	209.83	209.52	209.21	209.03	
23	209.27	210.39	212.36	211.47	212.06	211.77	211.98	210.41	209.79	209.48	209.19	209.02	
24	209.67	210.37	212.09	211.40	212.01	211.73	211.88	210.35	209.78	209.44	209.17	209.03	
25	209.89	210.36	211.94	211.32	211.99	212.07	211.80	210.33	209.77	209.43	209.17	209.03	
26	210.10	210.39	211.82	211.27	211.91	212.76	211.73	210.30	209.75	209.45	209.16	209.12	
27	210.15	210.38	211.77	211.22	211.93	212.29	211.65	210.28	209.73	209.45	209.14	209.10	
28	210.13	210.37	211.97	211.18	211.88	212.11	211.59	210.27	209.72	209.44	209.15	209.10	
29	210.28	211.41	212.40	211.13	211.90	212.06	211.52	210.25	209.71	209.41		209.07	
30	210.31	211.58	211.91	211.08	211.93	212.25	211.45	210.23	209.70	209.41		209.05	
31		211.35		211.03	211.90		211.40		209.70	209.40		209.04	
MEAN	209.39	210.48	211.68	211.52	211.87	212.05	211.98	210.74	209.96	209.55	209.31	209.09	
MAX	210.31	211.58	212.43	211.86	212.63	212.76	212.80	211.36	210.22	209.73	209.43	209.14	212.80
MIN	209.11	210.16	211.10	211.03	210.90	211.73	211.40	210.23	209.70	209.40	209.14	209.02	209.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 213.12 M (MSL), AT 21.00 HOURS, ON OCT 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 208.00 M (MSL), RIVER BED 207.93 M (MSL)
LEFT BANK ELEVATION 213.76 M (MSL)
RIGHT BANK ELEVATION 213.56 M (MSL), DRAINAGE AREA 482 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	1.06	2.60	5.70	2.02	12.44	11.00	2.90	0.92	0.43	0.25	0.08	
2	0.17	0.99	2.40	4.71	1.94	11.00	8.26	2.70	0.91	0.42	0.25	0.08	
3	0.16	0.86	2.25	4.12	1.93	9.90	6.87	2.60	0.89	0.42	0.25	0.08	
4	0.16	0.97	2.37	3.65	1.93	11.48	5.96	2.60	0.87	0.42	0.25	0.07	
5	0.14	1.04	3.45	4.04	1.92	11.00	11.96	2.50	0.86	0.41	0.25	0.07	
6	0.12	1.03	3.09	3.96	1.90	10.78	9.02	2.30	0.84	0.39	0.25	0.07	
7	0.10	1.09	2.98	3.50	2.04	11.00	6.87	2.13	0.83	0.45	0.25	0.07	
8	0.08	1.06	2.75	3.27	2.25	9.24	8.80	1.99	0.81	0.42	0.25	0.07	
9	0.08	1.03	3.88	3.30	8.26	7.72	6.87	1.88	0.80	0.40	0.25	0.06	
10	0.10	1.09	3.30	3.15	9.24	9.90	7.72	1.83	0.78	0.39	0.25	0.05	
11	0.09	1.06	2.93	3.40	22.43	8.62	8.80	1.81	0.77	0.37	0.24	0.05	
12	0.07	1.09	2.70	4.04	25.32	8.08	6.61	1.78	0.76	0.35	0.22	0.05	
13	0.07	1.12	6.22	4.60	22.43	7.00	5.59	1.72	0.75	0.34	0.23	0.05	
14	0.07	1.13	7.54	6.09	17.24	7.90	14.44	1.72	0.74	0.32	0.26	0.04	
15	0.07	1.29	7.54	4.93	28.41	15.22	24.06	1.94	0.74	0.32	0.23	0.05	
16	0.07	1.41	5.15	4.12	22.43	12.20	13.92	1.88	0.72	0.32	0.23	0.05	
17	0.08	1.36	4.12	6.48	15.74	10.34	11.00	1.73	0.71	0.31	0.14	0.07	
18	0.08	1.33	4.04	5.59	11.24	8.44	8.44	1.60	0.68	0.29	0.13	0.06	
19	0.08	1.27	3.45	4.60	14.96	7.00	37.00	1.48	0.60	0.29	0.13	0.06	
20	0.07	1.22	4.20	4.04	19.47	6.48	32.23	1.41	0.57	0.29	0.11	0.05	
21	0.10	1.15	5.04	3.45	22.06	7.54	16.00	1.33	0.54	0.32	0.10	0.04	
22	0.11	1.13	20.21	3.15	13.16	6.61	11.48	1.24	0.53	0.31	0.13	0.02	
23	0.16	1.13	17.86	3.21	10.12	5.37	8.44	1.17	0.49	0.29	0.11	0.01	
24	0.41	1.10	10.78	3.00	9.02	4.93	6.74	1.08	0.49	0.26	0.10	0.02	
25	0.59	1.09	7.72	2.80	8.62	10.34	5.70	1.04	0.48	0.26	0.10	0.02	
26	0.80	1.13	5.96	2.68	7.18	34.88	4.93	1.00	0.46	0.27	0.10	0.07	
27	0.85	1.12	5.37	2.55	7.54	15.74	4.20	0.98	0.45	0.27	0.08	0.06	
28	0.83	1.10	8.26	2.45	6.74	11.24	3.75	0.97	0.44	0.26	0.09	0.06	
29	0.98	3.03	19.10	2.33	7.00	10.12	3.40	0.95	0.44	0.25		0.04	
30	1.01	3.70	7.18	2.21	7.54	14.70	3.15	0.93	0.43	0.25		0.03	
31		2.88		2.11	7.00		3.00		0.43	0.24		0.02	
TOTAL	7.86	41.06	184.44	117.23	339.08	317.21	316.21	51.19	20.73	10.33	5.23	1.62	1412.19 CMSDAY
MEAN	0.26	1.32	6.15	3.78	10.94	10.57	10.20	1.71	0.67	0.33	0.19	0.05	3.87 CMS
MAX	1.01	3.70	20.21	6.48	28.41	34.88	37.00	2.90	0.92	0.45	0.26	0.08	37.00 CMS
MIN	0.07	0.86	2.25	2.11	1.90	4.93	3.00	0.93	0.43	0.24	0.08	0.01	0.01 CMS
RUNOFF	0.679	3.548	15.936	10.129	29.297	27.407	27.321	4.423	1.791	0.893	0.452	0.140	122.013 MCM

MOMENTARY PEAK 59.56 CMS, AT 213.12 M (MSL), AT 21.00 HOURS, ON OCT 19, 1984

RUNOFF YIELD 8.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 123.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

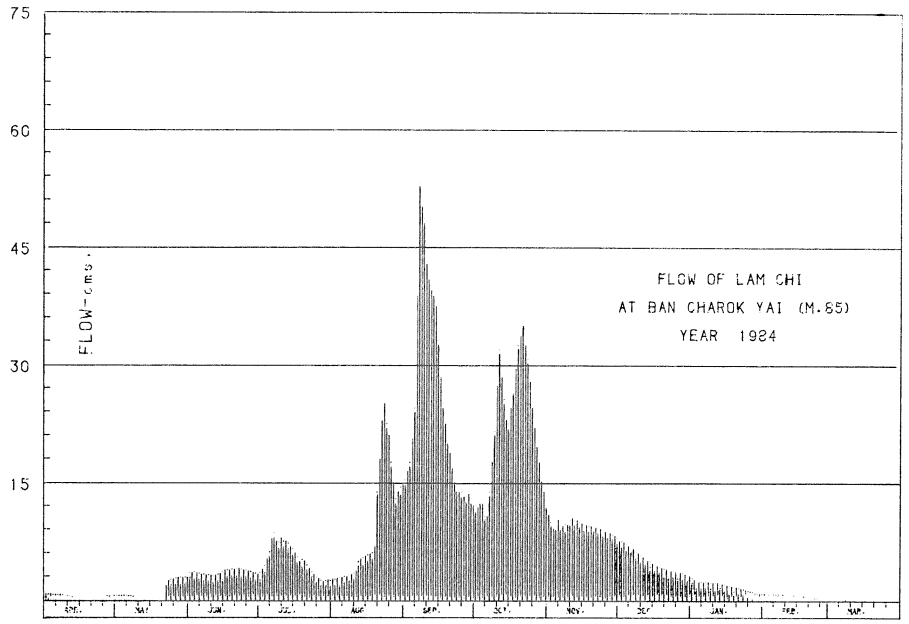
LAM CHI AT BAN CHAROK YAI, BURI RAM (M.85)

LOCATION	LAT. 14-37-54 N., LONG. 103-14-03 E., ON RIGHT BANK AT THE BRIDGE OF PRASAT-PRAKHONCHAI HIGHWAY NEAR GUIDEPOST 104 AT BAN CHAROK YAI, TAMBON LAVIA, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	1,046 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.546 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 - 1971, 1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 - 1971, 1979, 1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 - 1971, 1979, 1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.89	1.85	2.22	2.22	2.14	2.90	2.79	2.74	2.55	2.15	1.90	1.78	
2	1.89	1.86	2.22	2.26	2.14	2.93	2.78	2.70	2.55	2.13	1.90	1.77	
3	1.89	1.86	2.23	2.30	2.15	2.96	2.82	2.65	2.54	2.12	1.90	1.77	
4	1.88	1.86	2.22	2.38	2.16	3.03	2.80	2.68	2.52	2.10	1.90	1.76	
5	1.88	1.86	2.21	2.45	2.16	3.11	2.73	2.71	2.51	2.10	1.90	1.75	
6	1.88	1.85	2.20	2.57	2.17	3.35	2.73	2.69	2.50	2.10	1.89	1.74	
7	1.88	1.85	2.20	2.62	2.17	3.55	2.85	2.67	2.48	2.10	1.89	1.74	
8	1.87	1.84	2.19	2.55	2.18	3.51	2.96	2.68	2.45	2.10	1.89	1.73	
9	1.85	1.84	2.19	2.54	2.20	3.49	3.05	2.68	2.44	2.09	1.89	1.73	
10	1.85	1.84	2.19	2.58	2.21	3.41	3.16	2.71	2.42	2.09	1.88	1.72	
11	1.84	1.84	2.18	2.55	2.24	3.39	3.24	2.72	2.40	2.09	1.88	1.72	
12	1.82	1.83	2.19	2.55	2.35	3.36	3.18	2.71	2.38	2.09	1.87	1.71	
13	1.80	1.82	2.20	2.53	2.38	3.36	3.13	2.71	2.36	2.08	1.87	1.70	
14	1.80	1.81	2.21	2.50	2.39	3.33	3.08	2.70	2.35	2.07	1.87	1.69	
15	1.80	1.81	2.23	2.48	2.41	3.26	3.07	2.69	2.33	2.06	1.86	1.68	
16	1.80	1.81	2.25	2.44	2.42	3.18	3.11	2.68	2.31	2.05	1.86	1.67	
17	1.79	1.80	2.25	2.40	2.43	3.12	3.15	2.68	2.30	2.04	1.85	1.66	
18	1.79	1.79	2.25	2.35	2.44	3.07	3.20	2.67	2.29	2.03	1.84	1.66	
19	1.80	1.79	2.26	2.37	2.50	3.03	3.25	2.67	2.28	2.03	1.83	1.66	
20	1.80	1.79	2.26	2.36	2.85	2.99	3.27	2.66	2.27	2.02	1.83	1.66	
21	1.80	1.80	2.26	2.31	2.97	2.95	3.30	2.66	2.26	2.01	1.82	1.65	
22	1.79	2.10	2.27	2.27	3.09	2.89	3.25	2.66	2.25	2.00	1.81	1.65	
23	1.80	2.12	2.26	2.23	3.12	2.87	3.22	2.65	2.24	1.99	1.81	1.65	
24	1.84	2.13	2.25	2.20	3.07	2.85	3.17	2.64	2.24	1.98	1.80	1.65	
25	1.85	2.14	2.25	2.16	3.04	2.85	3.12	2.63	2.23	1.96	1.79	1.64	
26	1.85	2.15	2.24	2.15	2.96	2.83	3.06	2.63	2.23	1.95	1.79	1.64	
27	1.85	2.16	2.23	2.12	2.89	2.83	3.02	2.62	2.22	1.94	1.78	1.64	
28	1.84	2.16	2.22	2.11	2.82	2.84	2.96	2.61	2.21	1.92	1.78	1.63	
29	1.85	2.16	2.21	2.12	2.85	2.82	2.91	2.60	2.20	1.91		1.63	
30	1.85	2.16	2.20	2.13	2.87	2.79	2.85	2.58	2.19	1.90		1.62	
31		2.16		2.12	2.88		2.80		2.18	1.90		1.61	
MEAN	1.84	1.93	2.22	2.35	2.54	3.10	3.03	2.67	2.34	2.04	1.85	1.69	
MAX	1.89	2.16	2.27	2.62	3.12	3.55	3.30	2.74	2.55	2.15	1.90	1.78	3.55
MIN	1.79	1.79	2.18	2.11	2.14	2.79	2.73	2.58	2.18	1.90	1.78	1.61	1.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.55 M (A.D), AT 18.00 HOURS, ON SEP 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.01 M (A.D)
LEFT BANK ELEVATION 6.23 M (A.D)
RIGHT BANK ELEVATION 6.21 M (A.D), DRAINAGE AREA 1046 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.85	0.63	3.61	3.61	2.80	15.40	12.17	10.99	7.60	2.90	0.90	0.28	
2	0.85	0.68	3.61	4.03	2.80	16.54	11.93	10.05	7.60	2.70	0.90	0.25	
3	0.85	0.68	3.72	4.45	2.90	17.68	13.00	9.18	7.46	2.60	0.90	0.25	
4	0.79	0.68	3.61	5.37	3.00	20.64	12.40	9.70	7.18	2.40	0.90	0.21	
5	0.79	0.68	3.51	6.25	3.00	24.56	10.76	10.28	7.04	2.40	0.90	0.18	
6	0.79	0.63	3.40	7.88	3.10	38.90	10.76	9.88	6.90	2.40	0.85	0.14	
7	0.79	0.63	3.40	8.65	3.10	53.30	13.90	9.53	6.64	2.40	0.85	0.14	
8	0.74	0.57	3.30	7.60	3.20	50.18	17.68	9.70	6.25	2.40	0.85	0.11	
9	0.63	0.57	3.30	7.46	3.40	48.68	21.60	9.70	6.12	2.32	0.85	0.11	
10	0.63	0.57	3.30	8.02	3.51	42.92	27.36	10.28	5.86	2.32	0.79	0.07	
11	0.57	0.57	3.20	7.60	3.82	41.54	32.00	10.52	5.60	2.32	0.79	0.07	
12	0.46	0.52	3.30	7.60	5.02	39.56	28.48	10.28	5.37	2.32	0.74	0.04	
13	0.35	0.46	3.40	7.32	5.37	39.56	25.68	10.28	5.14	2.23	0.74	0.00	
14	0.35	0.40	3.51	6.90	5.49	37.58	23.04	10.05	5.02	2.15	0.74	0.00	
15	0.35	0.40	3.72	6.64	5.73	33.20	22.56	9.88	4.79	2.06	0.68	0.00	
16	0.35	0.40	3.93	6.12	5.86	28.48	24.56	9.70	4.56	1.98	0.68	0.00	
17	0.32	0.35	3.93	5.60	5.99	25.12	26.80	9.70	4.45	1.89	0.63	0.00	
18	0.32	0.32	3.93	5.02	6.12	22.56	29.60	9.53	4.34	1.81	0.57	0.00	
19	0.35	0.32	4.03	5.25	6.90	20.64	32.60	9.53	4.24	1.81	0.52	0.00	
20	0.35	0.32	4.03	5.14	13.90	18.82	33.80	9.35	4.13	1.72	0.52	0.00	
21	0.35	0.35	4.03	4.56	18.06	17.30	35.60	9.35	4.03	1.64	0.46	0.00	
22	0.32	2.40	4.13	4.13	23.52	15.10	32.60	9.35	3.93	1.55	0.40	0.00	
23	0.35	2.60	4.03	3.72	25.12	14.50	30.80	9.18	3.82	1.49	0.40	0.00	
24	0.57	2.70	3.93	3.40	22.56	13.90	27.92	9.00	3.82	1.42	0.35	0.00	
25	0.63	2.80	3.93	3.00	21.12	13.90	25.12	8.83	3.72	1.29	0.32	0.00	
26	0.63	2.90	3.82	2.90	17.68	13.30	22.08	8.83	3.72	1.23	0.32	0.00	
27	0.63	3.00	3.72	2.60	15.10	13.30	20.16	8.65	3.61	1.16	0.28	0.00	
28	0.57	3.00	3.61	2.50	13.00	13.60	17.68	8.47	3.51	1.03	0.28	0.00	
29	0.63	3.00	3.51	2.60	13.90	13.00	15.78	8.30	3.40	0.96		0.00	
30	0.63	3.00	3.40	2.70	14.50	12.17	13.90	8.02	3.30	0.90		0.00	
31		3.00		2.60	14.80		12.40		3.20	0.90		0.00	
TOTAL	16.79	39.13	109.85	161.22	294.37	775.93	684.72	286.09	156.35	58.70	18.11	1.85	2603.11 CMSDAY
MEAN	0.56	1.26	3.66	5.20	9.50	25.86	22.09	9.54	5.04	1.89	0.65	0.06	7.13 CMS
MAX	0.85	3.00	4.13	8.65	25.12	53.30	35.60	10.99	7.60	2.90	0.90	0.28	53.30 CMS
MIN	0.32	0.32	3.20	2.50	2.80	12.17	10.76	8.02	3.20	0.90	0.28	0.00	0.00 CMS
RUNOFF	1.451	3.381	9.491	13.929	25.434	67.040	59.160	24.718	13.509	5.072	1.565	0.160	224.909 MCM

MOMENTARY PEAK 53.30 CMS, AT 3.55 M (A.D), AT 18.00 HOURS, ON SEP 7, 1984
RUNOFF YIELD 6.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 50.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

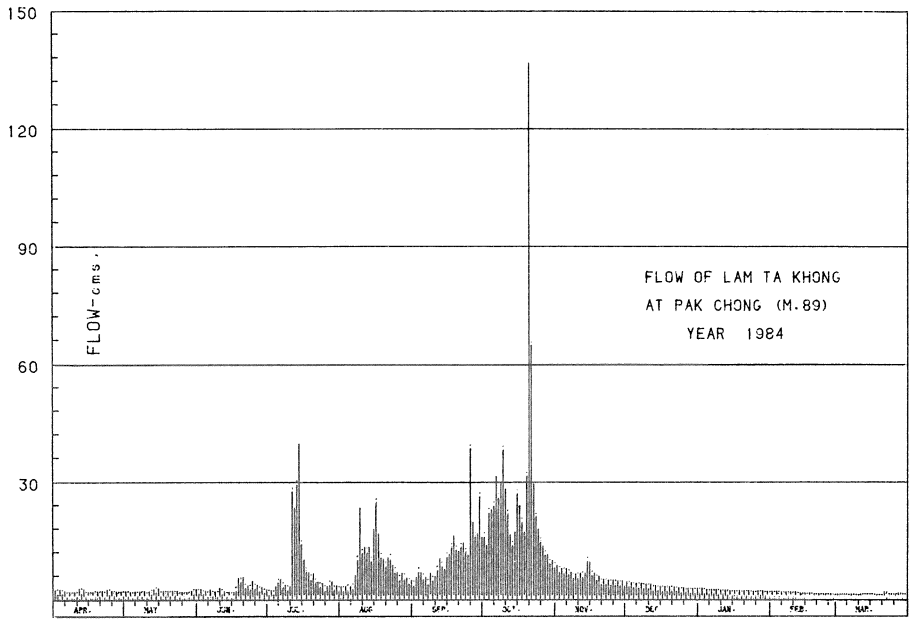
LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION	LAT. 14-41-46 N., LONG. 101-25-07 E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	673 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.909 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.26	1.25	1.28	1.27	1.32	1.39	1.98	1.59	1.38	1.29	1.24	1.19	
2	1.28	1.25	1.28	1.26	1.32	1.44	1.84	1.57	1.38	1.29	1.24	1.19	
3	1.27	1.23	1.26	1.26	1.32	1.56	2.23	1.55	1.37	1.29	1.24	1.19	
4	1.27	1.23	1.25	1.32	1.34	1.50	2.22	1.55	1.36	1.27	1.24	1.19	
5	1.25	1.24	1.24	1.42	1.32	1.48	2.30	1.55	1.36	1.27	1.23	1.19	
6	1.23	1.24	1.27	1.41	1.35	1.44	2.55	1.53	1.36	1.27	1.23	1.18	
7	1.23	1.24	1.25	1.37	1.46	1.41	2.38	1.50	1.36	1.27	1.23	1.19	
8	1.23	1.25	1.24	1.34	1.71	1.49	2.49	1.48	1.35	1.27	1.23	1.19	
9	1.23	1.25	1.25	1.33	2.24	1.45	2.83	1.48	1.35	1.27	1.23	1.18	
10	1.24	1.23	1.30	1.32	1.79	1.45	2.43	1.49	1.35	1.26	1.23	1.18	
11	1.29	1.24	1.28	2.44	1.82	1.58	2.21	1.49	1.35	1.26	1.23	1.19	
12	1.30	1.27	1.24	2.24	1.81	1.68	1.96	1.50	1.33	1.26	1.22	1.20	
13	1.28	1.28	1.23	2.51	1.82	1.63	1.88	1.49	1.33	1.26	1.21	1.20	
14	1.24	1.31	1.23	2.85	1.69	1.54	1.99	1.69	1.32	1.25	1.21	1.20	
15	1.23	1.29	1.23	1.89	2.02	1.75	2.42	1.63	1.32	1.25	1.21	1.20	
16	1.23	1.25	1.23	1.66	2.33	1.73	2.26	1.51	1.32	1.25	1.21	1.20	
17	1.23	1.25	1.32	1.56	1.97	1.86	2.13	1.49	1.32	1.25	1.21	1.19	
18	1.25	1.25	1.43	1.50	1.74	1.95	1.99	1.46	1.32	1.25	1.21	1.18	
19	1.24	1.25	1.43	1.47	1.67	1.83	2.59	1.45	1.32	1.25	1.20	1.18	
20	1.25	1.25	1.44	1.49	1.63	1.77	5.83	1.41	1.32	1.25	1.20	1.18	
21	1.25	1.25	1.35	1.42	1.69	1.86	3.72	1.41	1.31	1.25	1.20	1.23	
22	1.24	1.25	1.33	1.38	1.73	1.87	2.48	1.41	1.31	1.25	1.20	1.23	
23	1.27	1.25	1.34	1.37	1.59	1.80	2.18	1.40	1.30	1.24	1.20	1.20	
24	1.28	1.23	1.39	1.36	1.56	1.72	2.02	1.40	1.30	1.24	1.20	1.20	
25	1.25	1.23	1.35	1.33	1.50	2.84	1.92	1.40	1.30	1.24	1.20	1.20	
26	1.25	1.23	1.34	1.32	1.46	2.09	1.83	1.40	1.29	1.25	1.20	1.20	
27	1.24	1.23	1.32	1.39	1.49	1.98	1.77	1.39	1.29	1.25	1.19	1.21	
28	1.24	1.24	1.31	1.38	1.48	1.97	1.73	1.39	1.29	1.25	1.18	1.21	
29	1.24	1.25	1.29	1.33	1.43	2.39	1.66	1.39	1.29	1.24		1.20	
30	1.25	1.28	1.27	1.33	1.42	1.93	1.65	1.39	1.29	1.24		1.20	
31		1.28		1.32	1.40		1.62		1.29	1.24		1.21	
MEAN	1.25	1.25	1.30	1.54	1.63	1.75	2.29	1.48	1.33	1.26	1.22	1.20	
MAX	1.30	1.31	1.44	2.85	2.33	2.84	5.83	1.69	1.38	1.29	1.24	1.23	5.83
MIN	1.23	1.23	1.23	1.26	1.32	1.39	1.62	1.39	1.29	1.24	1.18	1.18	1.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.25 M (A.D), AT 15.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.35 M (A.D)
LEFT BANK ELEVATION 8.94 M (A.D)
RIGHT BANK ELEVATION 9.00 M (A.D), DRAINAGE AREA 673 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.40	2.25	2.70	2.55	3.40	4.80	17.05	8.80	4.60	2.85	2.10	1.40	
2	2.70	2.25	2.70	2.40	3.40	5.80	13.90	8.40	4.60	2.85	2.10	1.40	
3	2.55	1.95	2.40	2.40	3.40	8.20	23.25	8.00	4.40	2.85	2.10	1.40	
4	2.55	1.95	2.25	3.40	3.80	7.00	23.00	8.00	4.20	2.55	2.10	1.40	
5	2.25	2.10	2.10	5.40	3.40	6.60	25.00	8.00	4.20	2.55	1.95	1.40	
6	1.95	2.10	2.55	5.20	4.00	5.80	31.40	7.60	4.20	2.55	1.95	1.30	
7	1.95	2.10	2.25	4.40	6.20	5.20	27.00	7.00	4.20	2.55	1.95	1.40	
8	1.95	2.25	2.10	3.80	11.20	6.80	29.84	6.60	4.00	2.55	1.95	1.40	
9	1.95	2.25	2.25	3.60	23.50	6.00	39.14	6.60	4.00	2.55	1.95	1.30	
10	2.10	1.95	3.00	3.40	12.80	6.00	28.28	6.80	4.00	2.40	1.95	1.30	
11	2.85	2.10	2.70	28.54	13.45	8.60	22.75	6.80	4.00	2.40	1.95	1.40	
12	3.00	2.55	2.10	23.50	13.22	10.60	16.60	7.00	3.60	2.40	1.80	1.50	
13	2.70	2.70	1.95	30.36	13.45	9.60	14.80	6.80	3.60	2.40	1.65	1.50	
14	2.10	3.20	1.95	39.70	10.80	7.80	17.27	10.80	3.40	2.25	1.65	1.50	
15	1.95	2.85	1.95	15.03	18.00	12.00	28.02	9.60	3.40	2.25	1.65	1.50	
16	1.95	2.25	1.95	10.20	25.75	11.60	24.00	7.20	3.40	2.25	1.65	1.50	
17	1.95	2.25	3.40	8.20	16.82	14.35	20.75	6.80	3.40	2.25	1.65	1.40	
18	2.25	2.25	5.60	7.00	11.80	16.38	17.27	6.20	3.40	2.25	1.65	1.30	
19	2.10	2.25	5.60	6.40	10.40	13.68	32.44	6.00	3.40	2.25	1.50	1.30	
20	2.25	2.25	5.80	6.80	9.60	12.40	136.80	5.20	3.40	2.25	1.50	1.30	
21	2.25	2.25	4.00	5.40	10.80	14.35	65.65	5.20	3.20	2.25	1.50	1.95	
22	2.10	2.25	3.60	4.60	11.60	14.58	29.58	5.20	3.20	2.25	1.50	1.95	
23	2.55	2.25	3.80	4.40	8.80	13.00	22.00	5.00	3.00	2.10	1.50	1.50	
24	2.70	1.95	4.80	4.20	8.20	11.40	18.00	5.00	3.00	2.10	1.50	1.50	
25	2.25	1.95	4.00	3.60	7.00	39.42	15.70	5.00	3.00	2.10	1.50	1.50	
26	2.25	1.95	3.80	3.40	6.20	19.75	13.68	5.00	2.85	2.25	1.50	1.50	
27	2.10	1.95	3.40	4.80	6.80	17.05	12.40	4.80	2.85	2.25	1.40	1.65	
28	2.10	2.10	3.20	4.60	6.60	16.82	11.60	4.80	2.85	2.25	1.30	1.65	
29	2.10	2.25	2.85	3.60	5.60	27.25	10.20	4.80	2.85	2.10		1.50	
30	2.25	2.70	2.55	3.60	5.40	15.92	10.00	4.80	2.85	2.10		1.50	
31		2.70		3.40	5.00		9.40		2.85	2.10		1.65	
TOTAL	68.10	70.10	93.30	257.88	300.39	368.75	806.77	197.80	109.90	73.05	48.45	45.75	2440.24 CMSDAY
MEAN	2.27	2.26	3.11	8.32	9.69	12.29	26.02	6.59	3.55	2.36	1.73	1.48	6.69 CMS
MAX	3.00	3.20	5.80	39.70	25.75	39.42	136.80	10.80	4.60	2.85	2.10	1.95	136.80 CMS
MIN	1.95	1.95	1.95	2.40	3.40	4.80	9.40	4.80	2.85	2.10	1.30	1.30	1.30 CMS
RUNOFF	5.884	6.057	8.061	22.281	25.954	31.860	69.705	17.090	9.495	6.312	4.186	3.953	210.837 MCM

MOMENTARY PEAK 152.38 CMS, AT 6.25 M (A.D), AT 15.00 HOURS, ON OCT 20, 1984

RUNOFF YIELD 9.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 226.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

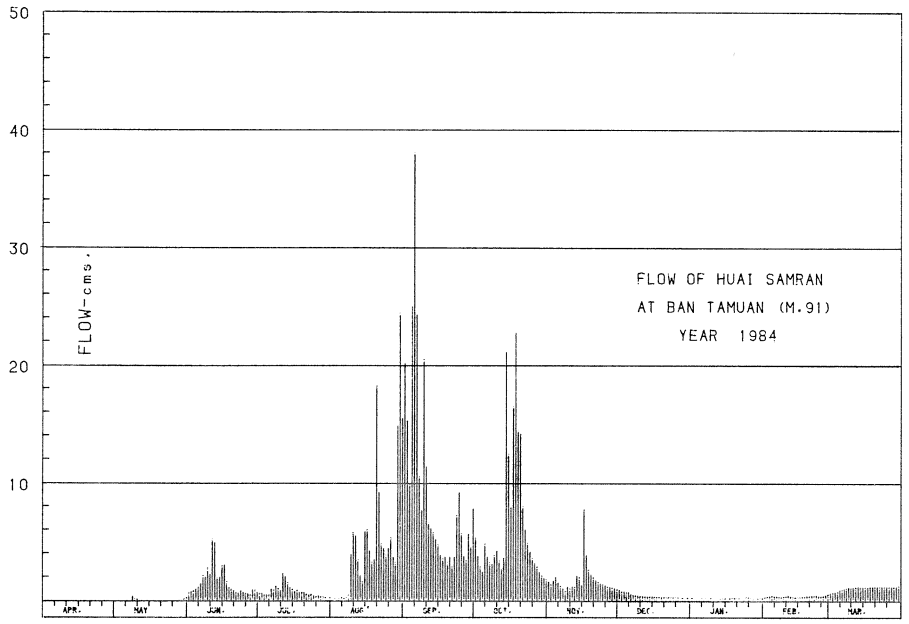
HUAI SAMRAN AT BAN TAMUAN, SI SA KET (M.91)

LOCATION	LAT. 14-29-48 N., LONG. 104-03-29 E., ON RIGHT BANK ABOUT 15 KILOMETERS FROM THE HIGHWAY AT BAN TAMUAN, TAMBON LALOM, AMPHOE KHUKHAN, SI SA KET.
DRAINAGE AREA	128 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 1.50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.051 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 86 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	0.17	0.95	1.29	1.23	3.43	1.93	1.43	1.03	0.64	0.68	0.92	
2	0.20	0.18	0.98	1.29	1.23	3.00	1.72	1.40	1.00	0.63	0.76	0.95	
3	0.21	0.18	1.01	1.27	1.23	2.47	1.60	1.44	0.99	0.63	0.79	0.96	
4	0.26	0.17	1.04	1.27	1.23	3.77	1.54	1.48	0.97	0.62	0.82	0.99	
5	0.25	0.16	1.09	1.27	1.24	4.56	1.86	1.42	0.97	0.62	0.79	1.03	
6	0.22	0.44	1.16	1.34	1.23	3.72	1.71	1.38	0.88	0.62	0.76	1.04	
7	0.20	0.41	1.33	1.33	1.24	2.54	1.65	1.35	0.85	0.62	0.75	1.05	
8	0.19	0.86	1.30	1.38	1.27	2.22	1.63	1.32	0.83	0.66	0.73	1.07	
9	0.19	0.58	1.46	1.35	1.74	3.44	1.73	1.37	0.82	0.61	0.76	1.08	
10	0.19	0.50	1.35	1.32	1.99	2.63	1.78	1.35	0.80	0.59	0.80	1.08	
11	0.18	0.43	1.88	1.52	1.95	2.10	1.67	1.37	0.79	0.58	0.82	1.09	
12	0.18	0.35	1.87	1.49	1.68	2.03	1.57	1.37	0.78	0.57	0.77	1.09	
13	0.18	0.32	1.50	1.42	1.50	1.99	1.70	1.50	0.77	0.57	0.72	1.10	
14	0.17	0.31	1.48	1.36	1.43	1.91	3.49	1.48	0.76	0.59	0.69	1.09	
15	0.17	0.27	1.61	1.34	2.00	1.85	2.74	1.39	0.76	0.59	0.68	1.09	
16	0.17	0.25	1.62	1.31	2.02	1.73	2.25	2.23	0.75	0.59	0.71	1.09	
17	0.19	0.26	1.43	1.33	1.78	1.69	3.11	1.65	0.74	0.60	0.74	1.09	
18	0.25	0.22	1.36	1.30	1.65	1.71	3.61	1.43	0.73	0.61	0.76	1.10	
19	0.23	0.22	1.34	1.30	1.68	1.65	2.93	1.35	0.72	0.63	0.79	1.10	
20	0.21	0.22	1.32	1.30	3.26	1.71	2.90	1.30	0.71	0.67	0.80	1.10	
21	0.20	0.27	1.30	1.28	2.39	1.60	2.26	1.24	0.70	0.60	0.82	1.10	
22	0.19	0.25	1.29	1.27	1.86	1.71	2.02	1.20	0.70	0.62	0.83	1.10	
23	0.18	0.23	1.32	1.28	1.81	2.17	1.87	1.17	0.70	0.66	0.83	1.10	
24	0.19	0.22	1.30	1.26	1.73	2.39	1.77	1.15	0.69	0.69	0.80	1.10	
25	0.18	0.27	1.29	1.25	1.81	1.98	1.70	1.13	0.68	0.68	0.80	1.10	
26	0.17	0.36	1.28	1.26	1.93	1.72	1.64	1.10	0.67	0.61	0.81	1.10	
27	0.18	0.39	1.27	1.25	1.71	1.67	1.60	1.09	0.66	0.57	0.84	1.10	
28	0.18	0.51	1.33	1.25	1.65	1.97	1.54	1.08	0.65	0.58	0.88	1.10	
29	0.18	0.55	1.33	1.24	2.96	1.84	1.50	1.07	0.65	0.57		1.10	
30	0.17	0.49	1.30	1.24	3.73	2.24	1.47	1.05	0.65	0.60		1.12	
31		0.65		1.24	3.02		1.46		0.64	0.60		1.18	
MEAN	0.19	0.34	1.34	1.31	1.84	2.31	2.00	1.34	0.78	0.61	0.78	1.07	
MAX	0.26	0.86	1.88	1.52	3.73	4.56	3.61	2.23	1.03	0.69	0.88	1.18	4.56
MIN	0.17	0.16	0.95	1.24	1.23	1.60	1.46	1.05	0.64	0.57	0.68	0.92	0.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.10 M (A.D), AT 21.00 HOURS, ON SEP 5, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.56 M (A.D)
LEFT BANK ELEVATION 6.68 M (A.D)
RIGHT BANK ELEVATION 7.87 M (A.D), DRAINAGE AREA 128 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.01	0.70	0.63	0.21	20.37	5.37	1.62	0.92	0.26	0.30	0.64	
2	0.02	0.02	0.76	0.63	0.21	15.30	3.80	1.40	0.80	0.26	0.37	0.70	
3	0.02	0.02	0.84	0.49	0.21	9.93	2.90	1.70	0.78	0.26	0.39	0.72	
4	0.03	0.01	0.96	0.49	0.21	24.98	2.45	2.00	0.74	0.25	0.44	0.78	
5	0.03	0.01	1.16	0.49	0.28	38.08	4.85	1.55	0.74	0.25	0.39	0.92	
6	0.02	0.09	1.44	0.98	0.21	24.28	3.73	1.26	0.56	0.25	0.37	0.96	
7	0.02	0.07	2.15	0.91	0.28	10.56	3.27	1.05	0.50	0.25	0.36	1.00	
8	0.02	0.52	2.00	1.26	0.49	7.68	3.13	0.84	0.46	0.28	0.34	1.08	
9	0.02	0.21	2.80	1.05	3.95	20.50	3.88	1.19	0.44	0.24	0.37	1.12	
10	0.02	0.14	2.25	0.84	5.83	11.40	4.25	1.05	0.40	0.22	0.40	1.12	
11	0.02	0.09	5.28	2.30	5.53	6.70	3.42	1.19	0.39	0.21	0.44	1.16	
12	0.02	0.05	4.93	2.08	3.50	6.14	2.68	1.19	0.38	0.20	0.37	1.16	
13	0.02	0.04	2.15	1.55	2.15	5.83	3.65	2.15	0.37	0.20	0.33	1.20	
14	0.01	0.04	2.00	1.12	1.62	5.22	21.12	2.00	0.37	0.22	0.31	1.16	
15	0.01	0.03	2.98	0.98	5.90	4.78	12.50	1.33	0.37	0.22	0.30	1.16	
16	0.01	0.03	3.05	0.77	6.06	3.88	7.95	7.77	0.36	0.22	0.32	1.16	
17	0.02	0.03	1.62	0.91	4.25	3.58	16.51	3.90	0.35	0.23	0.35	1.16	
18	0.03	0.02	1.12	0.70	3.27	3.73	22.74	2.65	0.34	0.24	0.37	1.20	
19	0.03	0.02	0.98	0.70	3.50	3.27	14.53	2.25	0.33	0.26	0.39	1.20	
20	0.02	0.02	0.84	0.70	18.25	3.73	14.20	2.00	0.32	0.29	0.40	1.20	
21	0.02	0.03	0.70	0.56	9.21	2.90	8.04	1.76	0.32	0.23	0.44	1.20	
22	0.02	0.03	0.63	0.49	4.85	3.73	6.06	1.60	0.32	0.25	0.46	1.20	
23	0.02	0.03	0.84	0.56	4.47	7.26	4.93	1.48	0.32	0.28	0.46	1.20	
24	0.02	0.02	0.70	0.42	3.88	9.21	4.17	1.40	0.31	0.31	0.40	1.20	
25	0.02	0.03	0.63	0.35	4.47	5.75	3.65	1.32	0.30	0.30	0.40	1.20	
26	0.01	0.05	0.56	0.42	5.37	3.80	3.20	1.20	0.29	0.24	0.42	1.20	
27	0.02	0.06	0.49	0.35	3.73	3.42	2.90	1.16	0.28	0.20	0.48	1.20	
28	0.02	0.15	0.91	0.35	3.27	5.68	2.45	1.12	0.27	0.21	0.56	1.20	
29	0.02	0.19	0.91	0.28	14.86	4.70	2.15	1.08	0.27	0.20		1.20	
30	0.01	0.14	0.70	0.28	24.42	7.86	1.93	1.00	0.27	0.23		1.28	
31		0.27		0.28	15.52		1.85		0.26	0.23		1.52	
TOTAL	0.59	2.47	47.08	23.92	159.96	284.25	198.26	53.21	13.13	7.49	10.93	34.40	835.69 CMSDAY
MEAN	0.02	0.08	1.57	0.77	5.16	9.47	6.40	1.77	0.42	0.24	0.39	1.11	2.29 CMS
MAX	0.03	0.52	5.28	2.30	24.42	38.08	22.74	7.77	0.92	0.31	0.56	1.52	38.08 CMS
MIN	0.01	0.01	0.49	0.28	0.21	2.90	1.85	0.84	0.26	0.20	0.30	0.64	0.01 CMS
RUNOFF	0.051	0.213	4.068	2.067	13.821	24.559	17.130	4.597	1.134	0.647	0.944	2.972	72.204 MCM

MOMENTARY PEAK 48.20 CMS, AT 5.10 M (A.D), AT 21.00 HOURS, ON SEP 5, 1984

RUNOFF YIELD 17.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 376.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

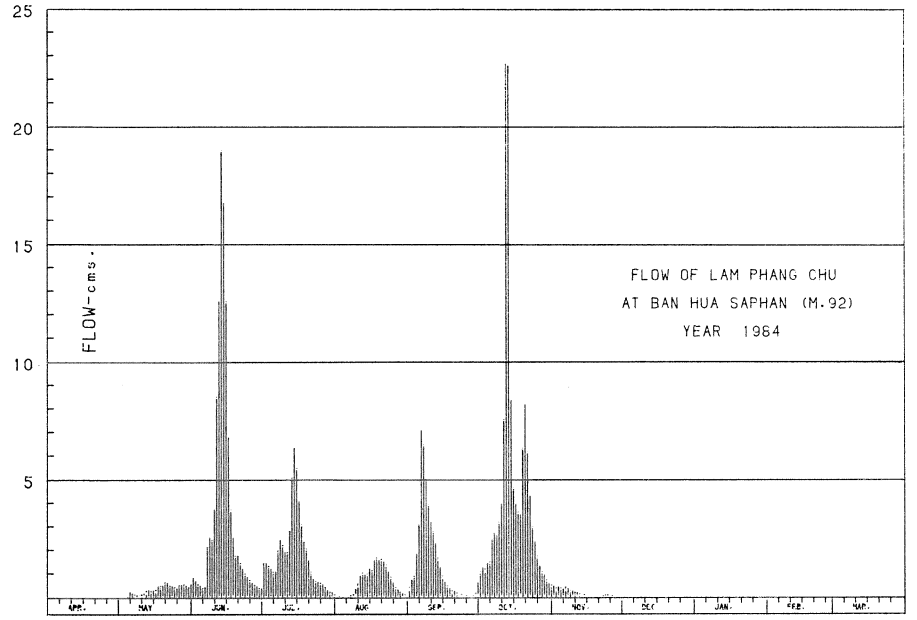
LAM PHANG CHU AT BAN HUA SAPHAN, BURI RAM (M.92)

LOCATION	LAT. 15-32-57 N., LONG. 103-04-20 E., ON RIGHT BANK EAST OF WAT THEP RANG SAN AT BAN HUA SAPHAN, AMPHOE PHUTTHAISONG, BURI RAM.
DRAINAGE AREA	1,094 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 80 METERS FROM THE GAGE SITE.
ELEVATION	+7.958 M (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.77	0.71	1.44	1.56	1.16	1.33	1.50	1.34	1.11	0.91	0.77	0.73	
2	0.77	0.75	1.41	1.56	1.13	1.42	1.53	1.32	1.10	0.91	0.76	0.72	
3	0.76	0.81	1.37	1.54	1.12	1.46	1.52	1.33	1.09	0.90	0.76	0.72	
4	0.75	1.09	1.35	1.52	1.10	1.62	1.56	1.32	1.08	0.90	0.75	0.71	
5	0.75	1.24	1.32	1.50	1.09	1.78	1.57	1.30	1.07	0.90	0.75	0.71	
6	0.74	1.21	1.33	1.50	1.09	2.08	1.70	1.33	1.06	0.89	0.75	0.70	
7	0.73	1.19	1.66	1.64	1.17	2.04	1.74	1.31	1.05	0.89	0.74	0.70	
8	0.73	1.16	1.71	1.70	1.19	1.93	1.72	1.28	1.05	0.88	0.73	0.69	
9	0.72	1.16	1.70	1.67	1.30	1.85	1.78	1.26	1.04	0.88	0.73	0.69	
10	0.71	1.19	1.83	1.63	1.38	1.78	1.85	1.24	1.04	0.87	0.72	0.68	
11	0.71	1.21	2.17	1.63	1.46	1.74	2.11	1.23	1.03	0.87	0.72	0.67	
12	0.70	1.27	2.36	1.74	1.49	1.68	2.71	1.21	1.03	0.87	0.71	0.67	
13	0.70	1.28	2.60	1.94	1.47	1.60	2.71	1.20	1.02	0.86	0.71	0.66	
14	0.69	1.27	2.52	2.03	1.48	1.53	2.16	1.18	1.01	0.85	0.70	0.65	
15	0.69	1.27	2.36	1.97	1.52	1.46	1.91	1.16	1.00	0.85	0.70	0.64	
16	0.68	1.29	2.06	1.86	1.51	1.40	1.85	1.15	1.00	0.85	0.69	0.64	
17	0.67	1.34	1.83	1.77	1.58	1.35	1.82	1.13	0.99	0.84	0.69	0.63	
18	0.67	1.35	1.71	1.69	1.60	1.31	1.81	1.12	0.98	0.84	0.68	0.63	
19	0.67	1.35	1.61	1.65	1.58	1.28	2.03	1.11	0.98	0.83	0.67	0.62	
20	0.67	1.40	1.61	1.58	1.59	1.26	2.15	1.10	0.98	0.83	0.67	0.62	
21	0.66	1.39	1.56	1.50	1.57	1.23	2.02	1.14	0.97	0.82	0.66	0.61	
22	0.65	1.35	1.52	1.43	1.55	1.20	1.88	1.12	0.96	0.82	0.66	0.61	
23	0.65	1.34	1.48	1.41	1.50	1.19	1.76	1.17	0.96	0.81	0.75	0.60	
24	0.65	1.33	1.45	1.40	1.45	1.17	1.69	1.17	0.95	0.80	0.75	0.60	
25	0.66	1.31	1.42	1.39	1.39	1.16	1.61	1.15	0.94	0.80	0.74	0.61	
26	0.65	1.36	1.39	1.37	1.33	1.13	1.54	1.13	0.94	0.80	0.74	0.61	
27	0.66	1.36	1.36	1.33	1.29	1.12	1.50	1.12	0.93	0.80	0.74	0.60	
28	0.65	1.37	1.34	1.28	1.25	1.16	1.47	1.11	0.93	0.79	0.73	0.59	
29	0.65	1.35	1.32	1.25	1.21	1.22	1.42	1.12	0.93	0.78		0.59	
30	0.65	1.33	1.31	1.24	1.18	1.39	1.38	1.11	0.92	0.78		0.58	
31		1.37		1.19	1.19		1.36		0.92	0.77		0.58	
MEAN	0.69	1.24	1.67	1.56	1.35	1.46	1.79	1.20	1.00	0.84	0.72	0.65	
MAX	0.77	1.40	2.60	2.03	1.60	2.08	2.71	1.34	1.11	0.91	0.77	0.73	2.71
MIN	0.65	0.71	1.31	1.19	1.09	1.12	1.36	1.10	0.92	0.77	0.66	0.58	0.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.86 M (A.D), AT 24.00 HOURS, ON OCT 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.93 M (A.D)
LEFT BANK ELEVATION 3.58 M (A.D)
RIGHT BANK ELEVATION 5.33 M (A.D), DRAINAGE AREA 1094 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.836	1.460	0.103	0.443	1.100	0.474	0.050	0.000	0.000	0.000	
2	0.000	0.000	0.704	1.460	0.071	0.748	1.280	0.412	0.040	0.000	0.000	0.000	
3	0.000	0.000	0.567	1.340	0.061	0.924	1.220	0.443	0.036	0.000	0.000	0.000	
4	0.000	0.036	0.505	1.220	0.040	1.850	1.460	0.412	0.033	0.000	0.000	0.000	
5	0.000	0.227	0.412	1.100	0.036	3.210	1.520	0.350	0.029	0.000	0.000	0.000	
6	0.000	0.166	0.443	1.100	0.036	7.100	2.450	0.443	0.025	0.000	0.000	0.000	
7	0.000	0.135	2.150	2.000	0.113	6.500	2.830	0.381	0.021	0.000	0.000	0.000	
8	0.000	0.103	2.545	2.450	0.135	4.955	2.640	0.309	0.021	0.000	0.000	0.000	
9	0.000	0.103	2.450	2.225	0.350	3.975	3.210	0.268	0.018	0.000	0.000	0.000	
10	0.000	0.135	3.745	1.925	0.598	3.210	3.975	0.227	0.018	0.000	0.000	0.000	
11	0.000	0.166	8.520	1.925	0.924	2.830	7.560	0.206	0.014	0.000	0.000	0.000	
12	0.000	0.289	12.580	2.830	1.056	2.300	22.670	0.166	0.014	0.000	0.000	0.000	
13	0.000	0.309	19.000	5.090	0.968	1.700	22.670	0.145	0.010	0.000	0.000	0.000	
14	0.000	0.289	16.760	6.350	1.012	1.280	8.360	0.124	0.007	0.000	0.000	0.000	
15	0.000	0.289	12.580	5.495	1.220	0.924	4.685	0.103	0.003	0.000	0.000	0.000	
16	0.000	0.329	6.800	4.090	1.160	0.660	3.975	0.092	0.003	0.000	0.000	0.000	
17	0.000	0.474	3.745	3.115	1.580	0.505	3.630	0.071	0.002	0.000	0.000	0.000	
18	0.000	0.505	2.545	2.375	1.700	0.381	3.515	0.061	0.002	0.000	0.000	0.000	
19	0.000	0.505	1.775	2.075	1.580	0.309	5.350	0.050	0.002	0.000	0.000	0.000	
20	0.000	0.660	1.775	1.580	1.640	0.268	8.200	0.040	0.002	0.000	0.000	0.000	
21	0.000	0.629	1.460	1.100	1.520	0.206	6.200	0.082	0.001	0.000	0.000	0.000	
22	0.000	0.505	1.220	0.792	1.400	0.145	4.320	0.061	0.001	0.000	0.000	0.000	
23	0.000	0.474	1.012	0.704	1.100	0.135	3.020	0.113	0.001	0.000	0.000	0.000	
24	0.000	0.443	0.880	0.660	0.880	0.113	2.375	0.113	0.000	0.000	0.000	0.000	
25	0.000	0.381	0.748	0.629	0.629	0.103	1.775	0.092	0.000	0.000	0.000	0.000	
26	0.000	0.536	0.629	0.567	0.443	0.071	1.340	0.071	0.000	0.000	0.000	0.000	
27	0.000	0.536	0.536	0.443	0.329	0.061	1.100	0.061	0.000	0.000	0.000	0.000	
28	0.000	0.567	0.474	0.309	0.247	0.103	0.968	0.050	0.000	0.000	0.000	0.000	
29	0.000	0.505	0.412	0.247	0.166	0.186	0.748	0.061	0.000	0.000		0.000	
30	0.000	0.443	0.381	0.227	0.124	0.629	0.598	0.050	0.000	0.000		0.000	
31		0.567		0.135	0.135		0.536		0.000	0.000		0.000	
TOTAL	0.000	10.306	108.189	57.018	21.356	45.824	136.280	5.531	0.353	0.000	0.000	0.000	384.857 CMSDAY
MEAN	0.000	0.332	3.606	1.839	0.689	1.527	4.396	0.184	0.011	0.000	0.000	0.000	1.054 CMS
MAX	0.000	0.660	19.000	6.350	1.700	7.100	22.670	0.474	0.050	0.000	0.000	0.000	22.670 CMS
MIN	0.000	0.000	0.381	0.135	0.036	0.061	0.536	0.040	0.000	0.000	0.000	0.000	0.000 CMS
RUNOFF	0.000	0.890	9.348	4.926	1.845	3.959	11.775	0.478	0.030	0.000	0.000	0.000	33.252 MCM

MOMENTARY PEAK 28.40 CMS, AT 2.86 M (A.D), AT 24.00 HOURS, ON OCT 12, 1984
RUNOFF YIELD 0.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

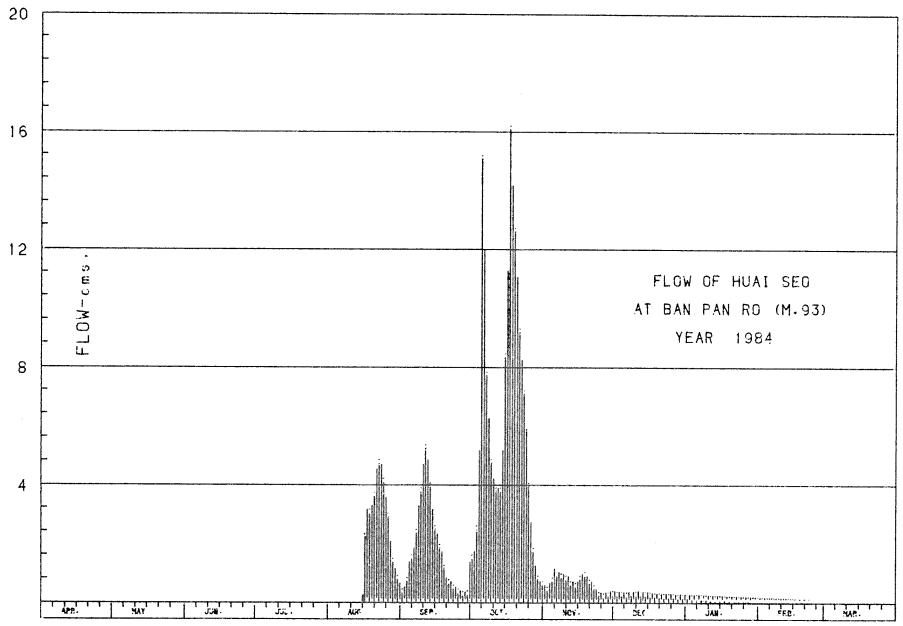
HUAI SEO AT BAN PAN RO, BURI RAM (M.93)

LOCATION	LAT. 14-28-24 N., LONG. 103-06-20 E., ON RIGHT BANK ABOUT 100 METERS FROM PRAKHON CHAI-SURIN HIGHWAY AT BAN PAN RO, AMPHOE BAN KRUAT, BURI RAM.
DRAINAGE AREA	329 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+4.571 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNNSTABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 9 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.44	0.13	0.02	0.12	0.10	1.51	1.65	1.53	1.49	1.41	1.23	1.01	
2	-0.44	0.11	0.03	0.11	0.15	1.52	1.66	1.52	1.48	1.39	1.22	1.00	
3	-0.44	0.10	0.06	0.09	0.13	1.57	1.73	1.54	1.48	1.39	1.21	0.99	
4	-0.44	0.07	0.03	0.09	0.12	1.63	1.90	1.57	1.48	1.38	1.21	0.98	
5	-0.44	0.05	0.03	0.11	0.11	1.65	2.36	1.61	1.46	1.38	1.20	0.97	
6	-0.44	0.04	0.04	0.13	0.11	1.67	2.23	1.60	1.45	1.38	1.19	0.97	
7	-0.44	0.03	0.04	0.11	0.08	1.72	2.04	1.60	1.47	1.38	1.19	0.96	
8	-0.44	0.03	0.05	0.18	0.05	1.78	1.96	1.59	1.48	1.37	1.18	0.95	
9	-0.44	0.02	0.04	0.41	0.11	1.82	1.88	1.59	1.48	1.37	1.17	0.94	
10	-0.44	0.01	0.04	0.40	0.15	1.87	1.84	1.58	1.48	1.35	1.16	0.93	
11	-0.44	0.04	0.10	0.41	0.12	1.91	1.82	1.58	1.49	1.35	1.16	0.92	
12	-0.44	0.05	0.09	0.40	0.09	1.88	1.82	1.55	1.48	1.35	1.15	0.92	
13	-0.44	0.04	0.10	0.31	0.12	1.83	1.82	1.55	1.48	1.34	1.14	0.91	
14	-0.44	0.02	0.11	0.28	0.47	1.77	1.90	1.54	1.47	1.34	1.13	0.90	
15	-0.44	0.01	0.08	0.22	1.35	1.73	2.07	1.55	1.46	1.34	1.12	0.87	
16	-0.44	0.02	0.06	0.22	1.71	1.71	2.20	1.58	1.45	1.34	1.11	0.87	
17	-0.44	0.04	0.04	0.17	1.77	1.68	2.40	1.59	1.44	1.33	1.10	0.85	
18	-0.44	0.03	0.04	0.14	1.77	1.66	2.32	1.60	1.44	1.32	1.09	0.83	
19	-0.44	0.03	0.23	0.13	1.78	1.62	2.26	1.58	1.43	1.31	1.09	0.80	
20	-0.44	0.02	0.31	0.15	1.81	1.57	2.19	1.56	1.44	1.30	1.08	0.80	
21	-0.44	0.02	0.32	0.11	1.86	1.56	2.11	1.55	1.42	1.30	1.07	0.80	
22	-0.44	0.02	0.23	0.12	1.88	1.55	2.06	1.53	1.43	1.29	1.06	0.79	
23	-0.44	0.03	0.21	0.13	1.87	1.53	2.01	1.51	1.43	1.28	1.05	0.79	
24	0.32	0.03	0.16	0.17	1.84	1.52	1.94	1.47	1.42	1.28	1.04	0.80	
25	0.30	0.02	0.16	0.20	1.80	1.51	1.83	1.45	1.42	1.27	1.03	0.81	
26	0.25	0.02	0.19	0.14	1.76	1.49	1.74	1.43	1.42	1.27	1.02	0.80	
27	0.20	0.02	0.14	0.12	1.69	1.48	1.67	1.45	1.41	1.27	1.01	0.79	
28	0.14	0.03	0.13	0.11	1.64	1.47	1.62	1.46	1.41	1.26	1.01	0.78	
29	0.12	0.03	0.12	0.09	1.61	1.50	1.58	1.49	1.41	1.25		0.77	
30	0.12	0.02	0.14	0.14	1.58	1.63	1.55	1.49	1.41	1.24		0.76	
31		0.01		0.08	1.54		1.55		1.41	1.23		0.81	
MEAN	-0.29	0.04	0.11	0.18	1.01	1.64	1.93	1.54	1.45	1.32	1.12	0.87	
MAX	0.32	0.13	0.32	0.41	1.88	1.91	2.40	1.61	1.49	1.41	1.23	1.01	2.40
MIN	-0.44	0.01	0.02	0.08	0.05	1.47	1.55	1.43	1.41	1.23	1.01	0.76	-0.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.42 M (A.D), AT 12.00 HOURS, ON OCT 17, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.44 M (A.D)
LEFT BANK ELEVATION 3.07 M (A.D)
RIGHT BANK ELEVATION 3.55 M (A.D), DRAINAGE AREA 329 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

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	0.46	1.62	0.59	0.39	0.28	0.18	0.10	
2	0.00	0.00	0.00	0.00	0.00	0.53	1.74	0.53	0.37	0.26	0.18	0.10	
3	0.00	0.00	0.00	0.00	0.00	0.85	2.61	0.66	0.37	0.26	0.17	0.10	
4	0.00	0.00	0.00	0.00	0.00	1.39	5.18	0.85	0.37	0.26	0.17	0.10	
5	0.00	0.00	0.00	0.00	0.00	1.62	15.19	1.16	0.35	0.26	0.17	0.09	
6	0.00	0.00	0.00	0.00	0.00	1.85	12.00	1.04	0.34	0.26	0.17	0.09	
7	0.00	0.00	0.00	0.00	0.00	2.48	7.83	1.04	0.36	0.26	0.17	0.09	
8	0.00	0.00	0.00	0.00	0.00	3.30	6.27	0.98	0.37	0.25	0.16	0.09	
9	0.00	0.00	0.00	0.02	0.00	3.90	4.86	0.98	0.37	0.25	0.16	0.09	
10	0.00	0.00	0.00	0.02	0.00	4.70	4.22	0.91	0.37	0.24	0.15	0.09	
11	0.00	0.00	0.00	0.02	0.00	5.36	3.90	0.91	0.39	0.24	0.15	0.08	
12	0.00	0.00	0.00	0.02	0.00	4.86	3.90	0.72	0.37	0.24	0.15	0.08	
13	0.00	0.00	0.00	0.01	0.00	4.06	3.90	0.72	0.37	0.23	0.15	0.08	
14	0.00	0.00	0.00	0.01	0.03	3.17	5.18	0.66	0.36	0.23	0.14	0.08	
15	0.00	0.00	0.00	0.01	0.24	2.61	8.46	0.72	0.35	0.23	0.14	0.08	
16	0.00	0.00	0.00	0.01	2.34	2.34	11.28	0.91	0.34	0.23	0.13	0.08	
17	0.00	0.00	0.00	0.00	3.17	1.97	16.20	0.98	0.32	0.23	0.13	0.07	
18	0.00	0.00	0.00	0.00	3.17	1.74	14.18	1.04	0.32	0.22	0.13	0.07	
19	0.00	0.00	0.01	0.00	3.30	1.27	12.72	0.91	0.31	0.22	0.13	0.07	
20	0.00	0.00	0.01	0.00	3.74	0.85	11.06	0.78	0.32	0.21	0.12	0.07	
21	0.00	0.00	0.01	0.00	4.54	0.78	9.30	0.72	0.30	0.21	0.12	0.07	
22	0.00	0.00	0.01	0.00	4.86	0.72	8.25	0.59	0.31	0.21	0.12	0.06	
23	0.00	0.00	0.01	0.00	4.70	0.59	7.21	0.46	0.31	0.20	0.11	0.06	
24	0.01	0.00	0.00	0.00	4.22	0.53	5.91	0.36	0.30	0.20	0.11	0.07	
25	0.01	0.00	0.00	0.01	3.58	0.46	4.06	0.34	0.30	0.20	0.11	0.07	
26	0.01	0.00	0.00	0.00	3.03	0.39	2.75	0.31	0.30	0.20	0.11	0.07	
27	0.01	0.00	0.00	0.00	2.08	0.37	1.85	0.34	0.28	0.20	0.10	0.06	
28	0.00	0.00	0.00	0.00	1.50	0.36	1.27	0.35	0.28	0.19	0.10	0.06	
29	0.00	0.00	0.00	0.00	1.16	0.40	0.91	0.39	0.28	0.19		0.06	
30	0.00	0.00	0.00	0.00	0.91	1.39	0.72	0.39	0.28	0.19		0.06	
31		0.00		0.00	0.66		0.72		0.28	0.18		0.07	
TOTAL	0.04	0.00	0.05	0.13	47.23	55.30	195.25	21.34	10.33	7.03	3.93	2.41	343.04 CMSDAY
MEAN	0.00	0.00	0.00	0.00	1.52	1.84	6.30	0.71	0.33	0.23	0.14	0.08	0.94 CMS
MAX	0.01	0.00	0.01	0.02	4.86	5.36	16.20	1.16	0.39	0.28	0.18	0.10	16.20 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.36	0.72	0.31	0.28	0.18	0.10	0.06	0.00 CMS
RUNOFF	0.003	0.000	0.004	0.011	4.081	4.778	16.870	1.844	0.893	0.607	0.340	0.208	29.639 MCM

MOMENTARY PEAK 16.72 CMS, AT 2.42 M (A.D), AT 12.00 HOURS, ON OCT 17, 1984

RUNOFF YIELD 2.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 50.82 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

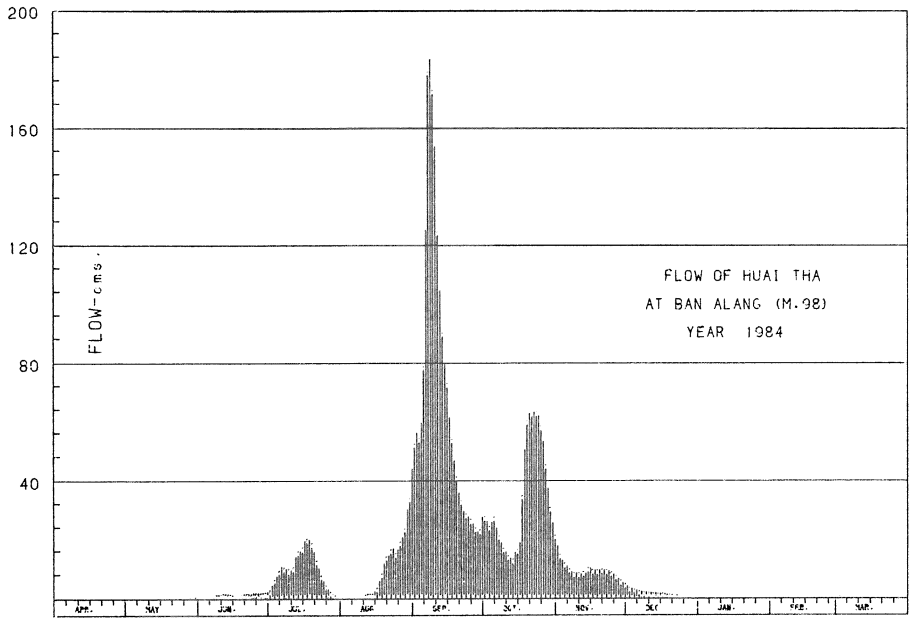
HUAI THA AT BAN ALANG, SI SA KET (M.98)

LOCATION	LAT. 14-52-39 N., LONG. 104-26-16 E., ON LEFT BANK AT THE BRIDGE OF SI SA KET-KANTHARALAK HIGHWAY NEAR GUIDEPOST 27+734, TAMBON TAM YAE, AMPHOE MUANG, SI SA KET.
DRAINAGE AREA	1,092 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.061 M.(A.D.)
GAGE READING FREQUENCY	3- 5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 - 1981.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 - 1981.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 105 DISCHARGE MEASUREMENTS MADE DURING 1979 -1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.13	0.29	0.95	0.43	4.50	2.99	2.33	1.12	0.46	0.24	0.44	
2	0.15	0.13	0.42	1.15	0.40	4.72	2.89	2.13	1.06	0.46	0.21	0.45	
3	0.15	0.13	0.40	1.34	0.36	4.61	2.76	2.00	1.02	0.45	0.24	0.44	
4	0.15	0.13	0.41	1.46	0.37	4.91	2.86	1.90	0.98	0.45	0.23	0.43	
5	0.15	0.13	0.50	1.66	0.35	5.75	2.98	1.81	0.93	0.44	0.23	0.40	
6	0.14	0.13	0.49	1.80	0.34	6.85	2.73	1.70	0.90	0.43	0.23	0.36	
7	0.14	0.13	0.66	1.76	0.32	7.50	2.55	1.62	0.86	0.43	0.23	0.32	
8	0.13	0.13	0.66	1.72	0.31	7.54	2.40	1.57	0.84	0.43	0.23	0.30	
9	0.13	0.13	0.67	1.72	0.35	7.44	2.27	1.58	0.82	0.43	0.22	0.28	
10	0.13	0.13	0.68	1.67	0.47	7.24	2.19	1.57	0.79	0.41	0.22	0.26	
11	0.13	0.13	0.74	1.78	0.66	6.84	2.10	1.54	0.78	0.40	0.22	0.25	
12	0.13	0.13	0.73	2.08	0.73	6.47	2.05	1.61	0.76	0.39	0.22	0.24	
13	0.13	0.23	0.72	2.21	0.73	6.12	2.03	1.56	0.76	0.39	0.22	0.21	
14	0.13	0.18	0.69	2.21	0.74	5.80	2.18	1.75	0.74	0.39	0.21	0.20	
15	0.13	0.16	0.65	2.30	0.89	5.52	2.24	1.74	0.73	0.40	0.21	0.19	
16	0.15	0.15	0.62	2.44	1.07	5.00	2.40	1.68	0.75	0.38	0.21	0.20	
17	0.16	0.15	0.62	2.49	1.30	4.59	3.46	1.67	0.73	0.37	0.21	0.19	
18	0.17	0.15	0.63	2.47	1.55	4.18	4.39	1.67	0.67	0.36	0.21	0.19	
19	0.17	0.15	0.70	2.39	1.89	3.86	4.94	1.67	0.66	0.35	0.21	0.19	
20	0.15	0.15	0.74	2.19	2.09	3.53	5.07	1.69	0.64	0.35	0.21	0.19	
21	0.14	0.15	0.76	1.99	2.11	3.35	5.08	1.67	0.63	0.34	0.21	0.19	
22	0.14	0.15	0.73	1.73	2.25	3.12	5.09	1.67	0.61	0.33	0.21	0.18	
23	0.15	0.33	0.72	1.49	2.27	3.05	5.10	1.65	0.58	0.31	0.21	0.18	
24	0.16	0.23	0.80	1.29	2.16	2.99	5.03	1.60	0.56	0.27	0.21	0.19	
25	0.16	0.18	0.79	1.15	2.25	2.93	4.85	1.53	0.53	0.26	0.21	0.22	
26	0.17	0.23	0.78	0.99	2.42	2.83	4.55	1.47	0.52	0.26	0.21	0.19	
27	0.18	0.35	0.78	0.86	2.52	2.73	4.09	1.38	0.50	0.25	0.33	0.18	
28	0.15	0.36	0.81	0.69	2.72	2.65	3.64	1.32	0.49	0.25	0.35	0.18	
29	0.15	0.45	0.82	0.63	3.15	2.69	3.19	1.24	0.48	0.25		0.17	
30	0.14	0.46	0.85	0.52	3.41	2.98	2.85	1.20	0.48	0.24		0.16	
31		0.41		0.45	4.02		2.56		0.47	0.21		0.15	
MEAN	0.15	0.20	0.66	1.60	1.44	4.74	3.34	1.65	0.72	0.36	0.23	0.25	
MAX	0.18	0.46	0.85	2.49	4.02	7.54	5.10	2.33	1.12	0.46	0.35	0.45	7.54
MIN	0.13	0.13	0.29	0.45	0.31	2.65	2.03	1.20	0.47	0.21	0.21	0.15	0.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.58 M (A.D), AT 6.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.12 M (A.D)
LEFT BANK ELEVATION 8.65 M (A.D)
RIGHT BANK ELEVATION 8.61 M (A.D), DRAINAGE AREA 1092 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.03	0.19	2.90	0.46	52.50	27.85	17.95	4.20	0.52	0.14	0.48	
2	0.05	0.03	0.44	4.50	0.40	56.35	26.35	14.95	3.68	0.52	0.11	0.50	
3	0.05	0.03	0.40	6.40	0.32	54.43	24.40	13.00	3.36	0.50	0.14	0.48	
4	0.05	0.03	0.42	7.60	0.34	59.70	25.90	12.00	3.08	0.50	0.13	0.46	
5	0.05	0.03	0.60	9.60	0.30	78.75	27.70	11.10	2.78	0.48	0.13	0.40	
6	0.04	0.03	0.58	11.00	0.28	125.25	23.95	10.00	2.60	0.46	0.13	0.32	
7	0.04	0.03	1.30	10.60	0.24	179.00	21.25	9.20	2.36	0.46	0.13	0.24	
8	0.03	0.03	1.30	10.20	0.22	183.40	19.00	8.70	2.24	0.46	0.13	0.20	
9	0.03	0.03	1.35	10.20	0.30	172.70	17.05	8.80	2.12	0.46	0.12	0.18	
10	0.03	0.03	1.40	9.70	0.54	153.60	15.85	8.70	1.95	0.42	0.12	0.16	
11	0.03	0.03	1.70	10.80	1.30	124.60	14.50	8.40	1.90	0.40	0.12	0.15	
12	0.03	0.03	1.65	14.20	1.65	104.65	13.75	9.10	1.80	0.38	0.12	0.14	
13	0.03	0.13	1.60	16.15	1.65	90.20	13.45	8.60	1.80	0.38	0.12	0.11	
14	0.03	0.08	1.45	16.15	1.70	80.00	15.70	10.50	1.70	0.38	0.11	0.10	
15	0.03	0.06	1.25	17.50	2.54	73.00	16.60	10.40	1.65	0.40	0.11	0.09	
16	0.05	0.05	1.10	19.60	3.76	61.50	19.00	9.80	1.75	0.36	0.11	0.10	
17	0.06	0.05	1.10	20.35	6.00	54.08	34.90	9.70	1.65	0.34	0.11	0.09	
18	0.07	0.05	1.15	20.05	8.50	46.90	50.57	9.70	1.55	0.32	0.11	0.09	
19	0.07	0.05	1.50	18.85	11.90	41.30	60.30	9.70	1.30	0.30	0.11	0.09	
20	0.05	0.05	1.70	15.85	14.35	35.95	62.90	9.90	1.20	0.30	0.11	0.09	
21	0.04	0.05	1.80	12.90	14.65	33.25	63.10	9.70	1.15	0.28	0.11	0.09	
22	0.04	0.05	1.65	10.30	16.75	29.80	63.30	9.70	1.05	0.26	0.11	0.08	
23	0.05	0.26	1.60	7.90	17.05	28.75	63.50	9.50	0.92	0.22	0.11	0.08	
24	0.06	0.13	2.00	5.90	15.40	27.85	62.10	9.00	0.84	0.17	0.11	0.09	
25	0.06	0.08	1.95	4.50	16.75	26.95	58.63	8.30	0.72	0.16	0.11	0.12	
26	0.07	0.13	1.90	3.14	19.30	25.45	53.38	7.70	0.68	0.16	0.11	0.09	
27	0.08	0.30	1.90	2.36	20.80	23.95	45.33	6.80	0.60	0.15	0.26	0.08	
28	0.05	0.32	2.06	1.45	23.80	22.75	37.60	6.20	0.58	0.15	0.30	0.08	
29	0.05	0.50	2.12	1.15	30.25	23.35	30.85	5.40	0.56	0.15		0.07	
30	0.04	0.52	2.30	0.68	34.15	27.70	25.75	5.00	0.56	0.14		0.06	
31		0.42		0.50	44.10		21.40		0.54	0.11		0.05	
TOTAL	1.41	3.64	41.46	302.98	309.75	2097.66	1055.91	287.50	52.67	10.29	3.63	5.36	4172.26 CMSDAY
MEAN	0.05	0.12	1.38	9.77	9.99	69.92	34.06	9.58	1.70	0.33	0.13	0.17	11.43 CMS
MAX	0.08	0.52	2.30	20.35	44.10	183.40	63.50	17.95	4.20	0.52	0.30	0.50	183.40 CMS
MIN	0.03	0.03	0.19	0.50	0.22	22.75	13.45	5.00	0.54	0.11	0.11	0.05	0.03 CMS
RUNOFF	0.122	0.314	3.582	26.177	26.762	181.238	91.231	24.840	4.551	0.889	0.314	0.463	360.483 MCM

MOMENTARY PEAK 187.80 CMS, AT 7.58 M (A.D), AT 6.00 HOURS, ON SEP 8, 1984

RUNOFF YIELD 10.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 171.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

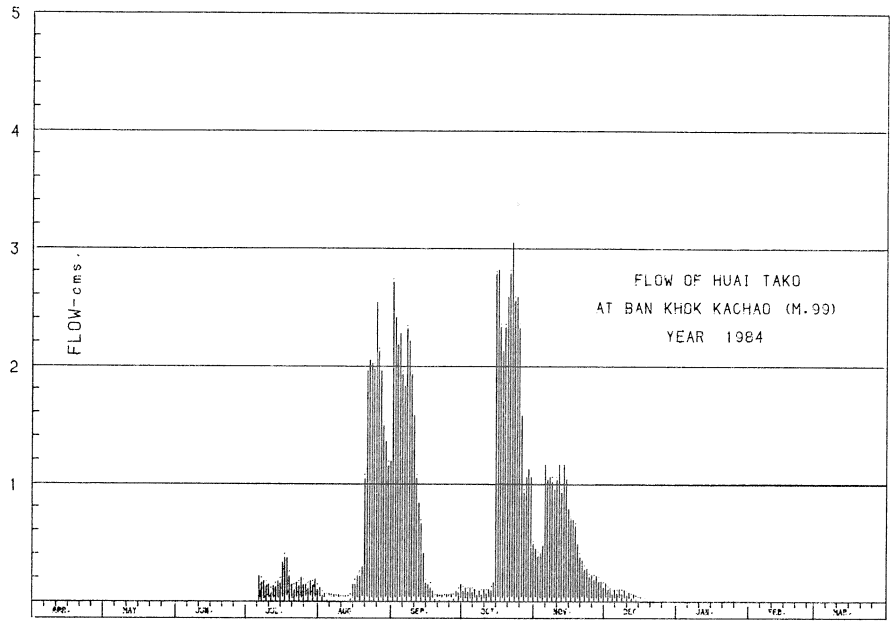
HUAI TAKO AT BAN KHOK KACHAO, BURIRAM (M.99)

LOCATION	LAT. 14-36-22 N., LONG. 103-06-30 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 103-104 AND ABOUT 2.5 KILOMETERS FROM AMPHOE PRAKHON CHAI, BAN KHOK KACHAO, AMPHOE PRAKHON CHAI, BURI RAM.
DRAINAGE AREA	88 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.606 M..D.
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY LAM CHI NOI DAM. STAGE-DISCHARGE RELATION DEFINED BY 8 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.42	0.18	0.39	0.83	1.37	0.84	1.23	0.94	0.56	0.49	0.24	
2	0.06	0.40	0.18	0.40	0.81	1.32	0.83	1.21	0.90	0.56	0.48	0.21	
3	0.06	0.38	0.17	0.42	0.78	1.29	0.83	1.20	0.87	0.55	0.47	0.19	
4	0.06	0.39	0.16	0.43	0.79	1.30	0.83	1.28	0.85	0.54	0.45	0.19	
5	0.06	0.45	0.17	0.48	0.78	1.25	0.83	1.43	0.85	0.53	0.45	0.18	
6	0.06	0.43	0.19	0.90	0.76	1.23	0.82	1.42	0.85	0.52	0.43	0.18	
7	0.06	0.42	0.19	0.89	0.75	1.31	0.81	1.42	0.86	0.52	0.42	0.17	
8	0.06	0.41	0.18	0.87	0.75	1.29	0.81	1.42	0.85	0.51	0.41	0.17	
9	0.06	0.38	0.17	0.87	0.75	1.25	0.82	1.41	0.84	0.51	0.39	0.16	
10	0.06	0.36	0.18	0.85	0.74	1.19	0.82	1.42	0.82	0.51	0.38	0.16	
11	0.06	0.35	0.20	0.83	0.73	1.10	0.82	1.43	0.80	0.51	0.36	0.15	
12	0.06	0.35	0.25	0.84	0.73	1.05	0.82	1.41	0.78	0.50	0.36	0.15	
13	0.06	0.36	0.26	0.86	0.74	1.02	0.84	1.43	0.76	0.50	0.35	0.14	
14	0.06	0.36	0.26	0.87	0.78	0.95	0.86	1.42	0.74	0.49	0.34	0.14	
15	0.06	0.35	0.26	0.89	0.85	0.88	1.38	1.38	0.71	0.49	0.32	0.13	
16	0.06	0.32	0.26	0.93	0.88	0.85	1.54	1.36	0.70	0.49	0.31	0.13	
17	0.06	0.28	0.25	0.95	0.90	0.86	1.52	1.35	0.69	0.49	0.30	0.12	
18	0.06	0.19	0.24	0.94	0.91	0.81	1.51	1.34	0.67	0.50	0.28	0.12	
19	0.06	0.17	0.21	0.91	0.92	0.76	1.52	1.26	0.66	0.50	0.27	0.11	
20	0.06	0.16	0.20	0.85	1.10	0.76	1.53	1.20	0.66	0.51	0.27	0.11	
21	0.06	0.16	0.19	0.85	1.25	0.75	1.54	1.15	0.66	0.51	0.25	0.10	
22	0.07	0.16	0.19	0.86	1.27	0.75	1.55	1.11	0.66	0.51	0.23	0.10	
23	0.20	0.19	0.18	0.87	1.26	0.76	1.53	1.09	0.65	0.50	0.23	0.09	
24	0.53	0.19	0.17	0.89	1.26	0.76	1.53	1.04	0.63	0.50	0.21	0.09	
25	0.50	0.19	0.16	0.88	1.34	0.76	1.52	1.03	0.61	0.50	0.29	0.08	
26	0.48	0.19	0.16	0.85	1.28	0.77	1.47	1.03	0.60	0.49	0.29	0.08	
27	0.46	0.18	0.15	0.86	1.25	0.78	1.41	1.02	0.59	0.49	0.28	0.07	
28	0.45	0.19	0.18	0.87	1.18	0.81	1.42	1.01	0.58	0.50	0.26	0.07	
29	0.43	0.20	0.28	0.87	1.15	0.83	1.43	0.96	0.57	0.50		0.06	
30	0.42	0.19	0.38	0.88	1.12	0.85	1.42	0.95	0.57	0.49		0.06	
31		0.19		0.85	1.12		1.28		0.56	0.49		0.06	
MEAN	0.16	0.29	0.21	0.80	0.96	0.99	1.18	1.25	0.73	0.51	0.34	0.13	
MAX	0.53	0.45	0.38	0.95	1.34	1.37	1.55	1.43	0.94	0.56	0.49	0.24	1.55
MIN	0.06	0.16	0.15	0.39	0.73	0.75	0.81	0.95	0.56	0.49	0.21	0.06	0.06

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.55 M (A.D), AT 6.00 HOURS, ON OCT 22, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.05 M (A.D)
LEFT BANK ELEVATION 3.48 M (A.D)
RIGHT BANK ELEVATION 3.48 M (A.D), DRAINAGE AREA 88 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.001	0.000	0.000	0.118	2.742	0.132	0.449	0.157	0.010	0.005	0.000	
2	0.000	0.000	0.000	0.000	0.089	2.412	0.118	0.423	0.128	0.010	0.004	0.000	
3	0.000	0.000	0.000	0.001	0.066	2.216	0.118	0.410	0.112	0.009	0.003	0.000	
4	0.000	0.000	0.000	0.002	0.070	2.280	0.118	0.514	0.101	0.008	0.002	0.000	
5	0.000	0.002	0.000	0.004	0.066	1.960	0.118	1.165	0.101	0.007	0.002	0.000	
6	0.000	0.002	0.000	0.220	0.059	1.832	0.103	1.060	0.101	0.007	0.002	0.000	
7	0.000	0.001	0.000	0.205	0.055	2.346	0.089	1.060	0.106	0.007	0.001	0.000	
8	0.000	0.000	0.000	0.176	0.055	2.216	0.089	1.060	0.101	0.006	0.000	0.000	
9	0.000	0.000	0.000	0.176	0.055	1.960	0.103	0.955	0.096	0.006	0.000	0.000	
10	0.000	0.000	0.000	0.147	0.051	1.584	0.103	1.060	0.085	0.006	0.000	0.000	
11	0.000	0.000	0.000	0.118	0.047	1.080	0.103	1.165	0.074	0.006	0.000	0.000	
12	0.000	0.000	0.000	0.132	0.047	0.840	0.103	0.955	0.066	0.005	0.000	0.000	
13	0.000	0.000	0.000	0.162	0.051	0.696	0.132	1.165	0.059	0.005	0.000	0.000	
14	0.000	0.000	0.000	0.176	0.066	0.410	0.162	1.060	0.051	0.005	0.000	0.000	
15	0.000	0.000	0.000	0.205	0.147	0.191	2.608	0.788	0.040	0.005	0.000	0.000	
16	0.000	0.000	0.000	0.334	0.191	0.147	2.820	0.726	0.036	0.005	0.000	0.000	
17	0.000	0.000	0.000	0.410	0.220	0.162	2.360	0.695	0.034	0.005	0.000	0.000	
18	0.000	0.000	0.000	0.372	0.258	0.089	2.130	0.664	0.029	0.005	0.000	0.000	
19	0.000	0.000	0.000	0.258	0.296	0.059	2.360	0.488	0.027	0.005	0.000	0.000	
20	0.000	0.000	0.000	0.147	1.080	0.059	2.590	0.410	0.027	0.006	0.000	0.000	
21	0.000	0.000	0.000	0.147	1.960	0.055	2.820	0.350	0.027	0.006	0.000	0.000	
22	0.000	0.000	0.000	0.162	2.088	0.055	3.050	0.302	0.027	0.006	0.000	0.000	
23	0.000	0.000	0.000	0.176	2.024	0.059	2.590	0.281	0.024	0.005	0.000	0.000	
24	0.007	0.000	0.000	0.205	2.024	0.059	2.590	0.236	0.020	0.005	0.000	0.000	
25	0.005	0.000	0.000	0.191	2.544	0.059	2.360	0.227	0.015	0.005	0.000	0.000	
26	0.004	0.000	0.000	0.147	2.152	0.063	1.585	0.227	0.013	0.005	0.000	0.000	
27	0.003	0.000	0.000	0.162	1.960	0.066	0.955	0.218	0.012	0.005	0.000	0.000	
28	0.002	0.000	0.000	0.176	1.528	0.089	1.060	0.209	0.011	0.005	0.000	0.000	
29	0.002	0.000	0.000	0.176	1.360	0.118	1.165	0.171	0.011	0.005		0.000	
30	0.001	0.000	0.000	0.191	1.192	0.147	1.060	0.164	0.011	0.005		0.000	
31		0.000		0.147	1.192		0.514		0.010	0.005		0.000	
TOTAL	0.024	0.006	0.000	5.125	23.111	26.051	36.408	18.657	1.712	0.185	0.019	0.000	111.298 CMSDAY
MEAN	0.001	0.000	0.000	0.165	0.746	0.868	1.174	0.622	0.055	0.006	0.001	0.000	0.305 CMS
MAX	0.007	0.002	0.000	0.410	2.544	2.742	3.050	1.165	0.157	0.010	0.005	0.000	3.050 CMS
MIN	0.000	0.000	0.000	0.000	0.047	0.055	0.089	0.164	0.010	0.005	0.000	0.000	0.000 CMS
RUNOFF	0.002	0.001	0.000	0.443	1.997	2.251	3.146	1.612	0.148	0.016	0.002	0.000	9.616 MCM

MOMENTARY PEAK 3.05 CMS, AT 1.55 M (A.D), AT 6.00 HOURS, ON OCT 22, 1984
RUNOFF YIELD 3.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 34.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

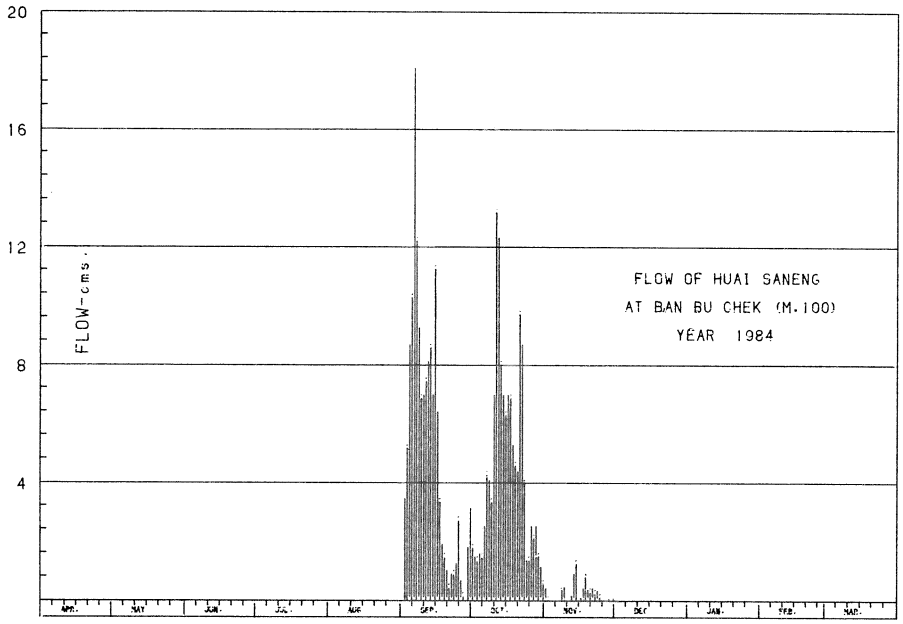
HUAI SANENG AT BAN BU CHEK, SURIN (M.100)

LOCATION	LAT. 14-37-01 N., LONG. 103-28-44 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 145-146 AND ABOUT 8 KILOMETERS FROM AMPHOE PRASAT, TAMBON TA BAO, AMPHOE PRASAT, SURIN.
DRAINAGE AREA	131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.332 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 9 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.44	0.54	0.62	0.50	0.78	1.41	1.29	1.19	0.92	0.71	0.54	
2	0.60	0.44	0.54	0.62	0.48	1.46	1.39	1.23	1.17	0.92	0.70	0.54	
3	0.60	0.44	0.54	0.60	0.46	1.51	1.39	1.19	1.19	0.90	0.69	0.53	
4	0.59	0.43	0.54	0.60	0.46	1.57	1.40	1.20	1.18	0.90	0.69	0.53	
5	0.59	0.43	0.54	0.60	0.46	1.60	1.40	1.17	1.17	0.90	0.68	0.52	
6	0.58	0.44	0.68	0.60	0.44	1.68	1.43	1.16	1.19	0.90	0.68	0.50	
7	0.57	0.43	0.69	0.60	0.47	1.62	1.49	1.21	1.22	0.90	0.68	0.50	
8	0.56	0.42	0.68	0.60	0.49	1.58	1.48	1.30	1.18	0.88	0.68	0.50	
9	0.55	0.42	0.67	0.60	0.52	1.54	1.46	1.30	1.12	0.88	0.68	0.48	
10	0.54	0.41	0.66	0.60	0.56	1.54	1.54	1.18	1.12	0.88	0.66	0.48	
11	0.54	0.41	0.74	0.58	0.72	1.55	1.63	1.14	1.16	0.88	0.66	0.48	
12	0.53	0.40	0.70	0.60	0.71	1.56	1.62	1.26	1.16	0.88	0.64	0.48	
13	0.52	0.40	0.70	0.60	0.70	1.57	1.56	1.34	1.16	0.84	0.62	0.47	
14	0.52	0.45	0.69	0.60	0.70	1.54	1.54	1.38	1.01	0.83	0.62	0.46	
15	0.52	0.48	0.69	0.59	0.72	1.61	1.53	1.22	0.98	0.80	0.61	0.45	
16	0.51	0.47	0.68	0.59	0.76	1.53	1.54	1.25	0.98	0.80	0.60	0.44	
17	0.50	0.47	0.67	0.58	0.72	1.46	1.54	1.29	0.98	0.78	0.59	0.44	
18	0.50	0.46	0.67	0.58	0.72	1.41	1.51	1.34	0.96	0.78	0.59	0.44	
19	0.49	0.45	0.68	0.56	0.74	1.40	1.50	1.28	0.94	0.78	0.59	0.43	
20	0.49	0.46	0.66	0.56	0.74	1.35	1.49	1.29	0.94	0.74	0.58	0.43	
21	0.48	0.47	0.66	0.55	0.74	1.31	1.59	1.29	0.94	0.74	0.58	0.42	
22	0.48	0.47	0.65	0.54	0.74	1.34	1.57	1.28	0.94	0.74	0.58	0.40	
23	0.48	0.47	0.64	0.54	0.74	1.35	1.48	1.27	0.94	0.74	0.58	0.40	
24	0.47	0.47	0.64	0.53	0.72	1.37	1.38	1.25	0.94	0.74	0.57	0.40	
25	0.47	0.46	0.63	0.52	0.70	1.44	1.39	1.22	0.94	0.74	0.56	0.39	
26	0.47	0.49	0.62	0.52	0.70	1.32	1.43	1.21	0.94	0.74	0.56	0.39	
27	0.46	0.55	0.62	0.52	0.70	1.26	1.42	1.20	0.94	0.74	0.55	0.39	
28	0.45	0.57	0.62	0.50	0.70	1.21	1.43	1.22	0.94	0.74	0.54	0.38	
29	0.45	0.56	0.63	0.50	0.70	1.41	1.40	1.20	0.94	0.73		0.38	
30	0.44	0.55	0.62	0.50	0.68	1.45	1.36	1.22	0.94	0.73		0.38	
31		0.54		0.50	0.69		1.32		0.93	0.72		0.38	
MEAN	0.52	0.46	0.64	0.57	0.64	1.44	1.47	1.25	1.04	0.81	0.62	0.45	
MAX	0.61	0.57	0.74	0.62	0.76	1.68	1.63	1.38	1.22	0.92	0.71	0.54	1.68
MIN	0.44	0.40	0.54	0.50	0.44	0.78	1.32	1.14	0.93	0.72	0.54	0.38	0.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.68 M (A.D), AT 18.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 3.12 M (A.D)
RIGHT BANK ELEVATION 3.12 M (A.D), DRAINAGE AREA 131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

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	1.91	0.41	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	3.46	1.49	0.14	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	5.27	1.49	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	8.69	1.60	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	10.40	1.60	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	18.08	2.53	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	12.32	4.39	0.05	0.09	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	9.26	4.08	0.45	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	6.98	3.46	0.45	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	6.98	6.98	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	7.55	13.28	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	8.12	12.32	0.27	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	8.69	8.12	0.91	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	6.98	6.98	1.37	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	11.36	6.41	0.09	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	6.41	6.98	0.22	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	3.46	6.98	0.41	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	1.91	5.27	0.91	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	1.60	4.70	0.36	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	1.03	4.39	0.41	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.56	9.83	0.41	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.91	8.69	0.36	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	1.03	4.08	0.32	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	1.26	1.37	0.22	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	2.84	1.49	0.09	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.68	2.53	0.05	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.27	2.22	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.05	2.53	0.09	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	1.91	1.60	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	3.15	1.14	0.09	0.00	0.00		0.00	
31		0.00		0.00	0.00		0.68		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	0.00	151.21	141.12	8.08	0.09	0.00	0.00	0.00	300.50 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	5.04	4.55	0.27	0.00	0.00	0.00	0.00	0.82 CMS
MAX	0.00	0.00	0.00	0.00	0.00	18.08	13 28	1.37	0.09	0.00	0.00	0.00	18.08 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.000	13.065	12.193	0.698	0.008	0.000	0.000	0.000	25.963 MCM

MOMENTARY PEAK 18.08 CMS, AT 1.68 M (A.D), AT 18.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 6.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 138.02 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

HUAI THAP THAN AT BAN YAENG, SURIN (M.101)

LOCATION — LAT. 14-37-42 N., LONG. 103-42-12 E., ON LEFT BANK AT THE BRIDE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 170-171 AND ABOUT 17 KILOMETERS FROM AMPHOE SANGKHA, BAN YAENG, TAMBON KRA THIAM, AMPHOE SANGKHA, SURIN.

DRAINAGE AREA — 390 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

LOCATION — ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — +8.945 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1980 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1980 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

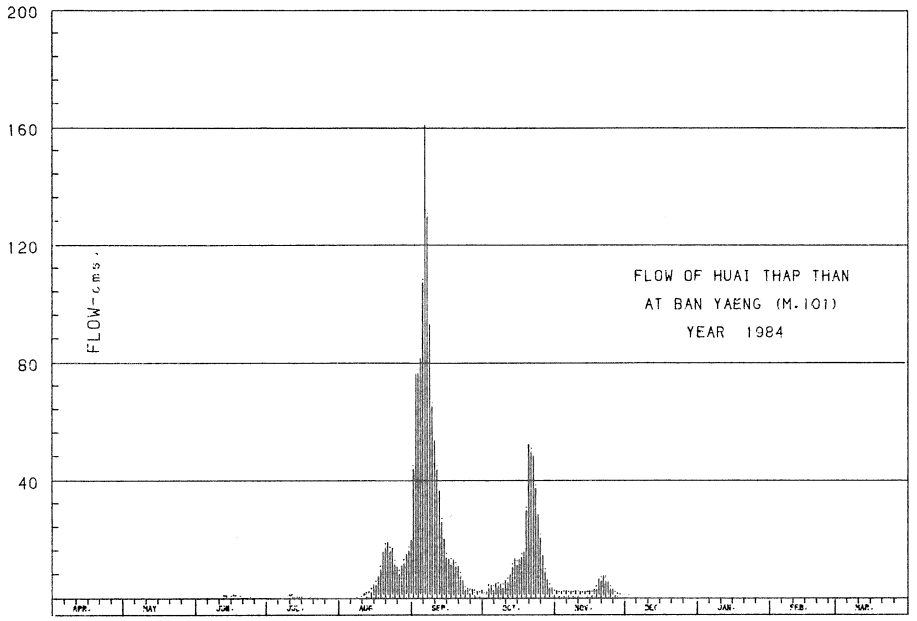
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.68	4.60	4.70	5.15	4.81	7.06	5.38	5.50	5.26	4.88	4.70	4.64	
2	4.68	4.60	4.71	5.12	4.81	7.28	5.42	5.46	5.24	4.79	4.70	4.62	
3	4.68	4.59	4.71	5.09	4.84	7.29	5.79	5.46	5.22	4.76	4.69	4.62	
4	4.67	4.58	4.75	5.09	4.85	7.31	5.75	5.50	5.19	4.78	4.68	4.62	
5	4.66	4.58	4.85	5.11	4.87	7.44	5.75	5.52	5.17	4.82	4.67	4.62	
6	4.65	4.59	4.91	5.10	4.83	7.63	5.84	5.48	5.16	4.75	4.67	4.62	
7	4.64	4.60	4.91	5.09	4.86	7.53	5.86	5.46	5.14	4.75	4.67	4.62	
8	4.64	4.59	4.91	5.10	4.97	7.37	5.80	5.47	5.10	4.74	4.66	4.62	
9	4.63	4.59	4.88	5.16	5.05	7.22	5.82	5.49	5.07	4.73	4.66	4.61	
10	4.63	4.59	4.95	5.25	5.10	7.13	5.94	5.50	5.06	4.71	4.66	4.61	
11	4.62	4.58	5.11	5.28	5.34	7.06	6.01	5.45	5.03	4.69	4.66	4.60	
12	4.62	4.58	5.23	5.18	5.42	6.98	6.11	5.43	5.01	4.69	4.65	4.60	
13	4.61	4.59	5.18	5.11	5.47	6.87	6.39	5.45	4.99	4.68	4.65	4.59	
14	4.61	4.60	5.11	5.07	5.64	6.73	6.48	5.47	4.98	4.68	4.65	4.59	
15	4.60	4.61	5.12	5.06	5.78	6.56	6.44	5.49	4.98	4.67	4.64	4.58	
16	4.60	4.68	5.27	5.01	5.93	6.47	6.46	5.48	4.97	4.67	4.64	4.57	
17	4.60	4.67	5.23	4.94	6.06	6.48	6.56	5.57	4.96	4.66	4.64	4.56	
18	4.59	4.66	5.19	4.97	6.34	6.46	6.58	5.74	4.95	4.66	4.63	4.55	
19	4.59	4.67	5.13	5.01	6.58	6.41	6.92	5.98	4.96	4.67	4.63	4.55	
20	4.59	4.66	5.08	5.01	6.69	6.33	7.12	6.05	4.98	4.67	4.63	4.54	
21	4.58	4.66	5.09	5.03	6.70	6.17	7.11	6.07	4.95	4.67	4.62	4.54	
22	4.58	4.66	5.07	5.03	6.64	5.94	7.09	6.07	4.95	4.66	4.62	4.53	
23	4.58	4.66	5.06	5.03	6.63	5.69	7.00	5.90	4.98	4.67	4.65	4.53	
24	4.59	4.66	5.04	5.05	6.45	5.63	6.89	5.73	4.99	4.67	4.65	4.52	
25	4.59	4.66	5.02	5.05	6.32	5.60	6.77	5.57	4.98	4.67	4.64	4.51	
26	4.58	4.66	5.02	5.03	6.23	5.58	6.53	5.46	4.95	4.77	4.63	4.51	
27	4.58	4.66	5.01	4.98	6.34	5.54	6.26	5.36	4.92	4.73	4.62	4.50	
28	4.60	4.66	5.00	4.98	6.47	5.46	5.96	5.31	4.90	4.71	4.62	4.50	
29	4.60	4.67	5.00	4.93	6.55	5.45	5.81	5.29	4.90	4.70		4.51	
30	4.61	4.67	5.01	4.84	6.65	5.53	5.64	5.28	4.90	4.74		4.50	
31		4.70		4.84	6.72		5.53		4.89	4.72		4.49	
MEAN	4.62	4.63	5.01	5.05	5.80	6.54	6.23	5.57	5.02	4.71	4.65	4.57	
MAX	4.68	4.70	5.27	5.28	6.72	7.63	7.12	6.07	5.26	4.88	4.70	4.64	7.63
MIN	4.58	4.58	4.70	4.84	4.81	5.45	5.38	5.28	4.89	4.66	4.62	4.49	4.49

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.65 M (A.D), AT 6.00 HOURS, ON SEP 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.43 M (A.D)
LEFT BANK ELEVATION 8.71 M (A.D)
RIGHT BANK ELEVATION 8.69 M (A.D), DRAINAGE AREA 390 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.85	0.12	45.10	1.90	2.50	1.30	0.26	0.00	0.00	
2	0.00	0.00	0.01	0.76	0.12	76.25	2.10	2.30	1.20	0.09	0.00	0.00	
3	0.00	0.00	0.01	0.68	0.18	77.87	4.72	2.30	1.10	0.06	0.00	0.00	
4	0.00	0.00	0.05	0.68	0.20	81.45	4.40	2.50	0.97	0.08	0.00	0.00	
5	0.00	0.00	0.20	0.73	0.24	108.40	4.40	2.64	0.91	0.14	0.00	0.00	
6	0.00	0.00	0.32	0.70	0.16	160.85	5.12	2.40	0.88	0.05	0.00	0.00	
7	0.00	0.00	0.32	0.68	0.22	130.90	5.28	2.30	0.82	0.05	0.00	0.00	
8	0.00	0.00	0.32	0.70	0.44	93.15	4.80	2.35	0.70	0.04	0.00	0.00	
9	0.00	0.00	0.26	0.88	0.60	66.50	4.96	2.45	0.64	0.03	0.00	0.00	
10	0.00	0.00	0.40	1.25	0.70	53.63	6.06	2.50	0.62	0.01	0.00	0.00	
11	0.00	0.00	0.73	1.40	1.70	45.10	6.87	2.25	0.56	0.00	0.00	0.00	
12	0.00	0.00	1.15	0.94	2.10	36.60	8.03	2.15	0.52	0.00	0.00	0.00	
13	0.00	0.00	0.94	0.73	2.35	27.20	11.85	2.25	0.48	0.00	0.00	0.00	
14	0.00	0.00	0.73	0.64	3.52	20.20	13.52	2.35	0.46	0.00	0.00	0.00	
15	0.00	0.00	0.76	0.62	4.64	15.28	12.76	2.45	0.46	0.00	0.00	0.00	
16	0.00	0.00	1.35	0.52	5.94	13.33	13.14	2.40	0.44	0.00	0.00	0.00	
17	0.00	0.00	1.15	0.38	7.44	13.52	15.28	2.99	0.42	0.00	0.00	0.00	
18	0.00	0.00	0.97	0.44	11.10	13.14	15.74	4.32	0.40	0.00	0.00	0.00	
19	0.00	0.00	0.79	0.52	15.74	12.19	30.90	6.52	0.42	0.00	0.00	0.00	
20	0.00	0.00	0.66	0.52	18.72	10.95	52.25	7.33	0.46	0.00	0.00	0.00	
21	0.00	0.00	0.68	0.56	19.00	8.81	50.88	7.56	0.40	0.00	0.00	0.00	
22	0.00	0.00	0.64	0.56	17.32	6.06	48.40	7.56	0.40	0.00	0.00	0.00	
23	0.00	0.00	0.62	0.56	17.04	3.92	38.50	5.60	0.46	0.00	0.00	0.00	
24	0.00	0.00	0.58	0.60	12.95	3.44	28.40	4.24	0.48	0.00	0.00	0.00	
25	0.00	0.00	0.54	0.60	10.80	3.20	21.80	2.99	0.46	0.00	0.00	0.00	
26	0.00	0.00	0.54	0.56	9.59	3.06	14.59	2.30	0.40	0.07	0.00	0.00	
27	0.00	0.00	0.52	0.46	11.10	2.78	9.98	1.80	0.34	0.03	0.00	0.00	
28	0.00	0.00	0.50	0.46	13.33	2.30	6.29	1.55	0.30	0.01	0.00	0.00	
29	0.00	0.00	0.50	0.36	15.05	2.25	4.88	1.45	0.30	0.00		0.00	
30	0.00	0.00	0.52	0.18	17.60	2.71	3.52	1.40	0.30	0.04		0.00	
31		0.00		0.18	19.80		2.71		0.28	0.02		0.00	
TOTAL	0.00	0.00	16.76	19.70	239.81	1140.14	454.03	95.70	17.88	0.98	0.00	0.00	1985.00 CMSDAY
MEAN	0.00	0.00	0.56	0.64	7.74	38.00	14.65	3.19	0.58	0.03	0.00	0.00	5.44 CMS
MAX	0.00	0.00	1.35	1.40	19.80	160.85	52.25	7.56	1.30	0.26	0.00	0.00	160.85 CMS
MIN	0.00	0.00	0.00	0.18	0.12	2.25	1.90	1.40	0.28	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	1.448	1.702	20.720	98.508	39.228	8.268	1.545	0.085	0.000	0.000	171.504 MCM

MOMENTARY PEAK 167.75 CMS, AT 7.65 M (A.D), AT 6.00 HOURS, ON SEP 6, 1984

RUNOFF YIELD 13.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 430.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

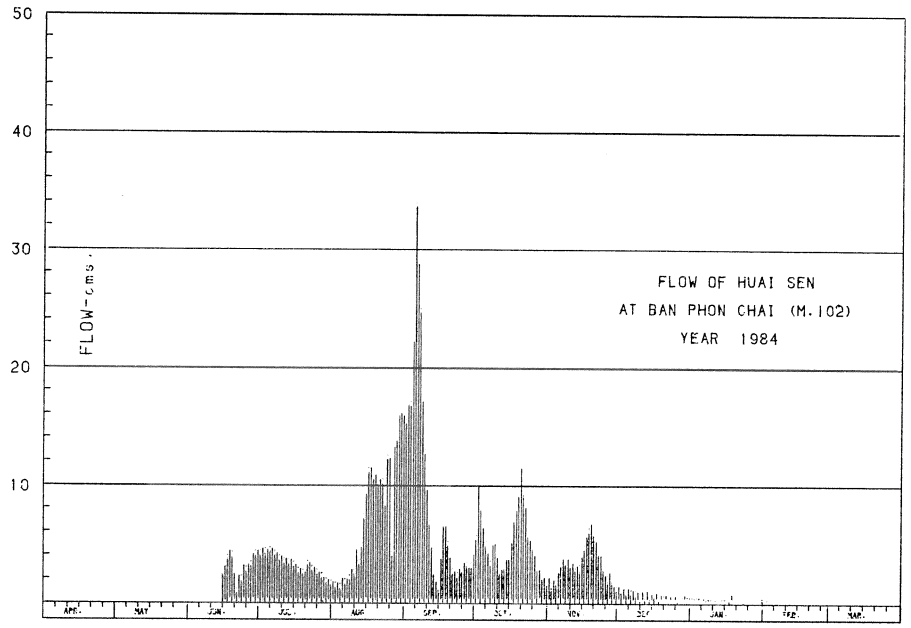
HUAI SEN AT BAN PHON CHAI, SURIN (M.102)

LOCATION	LAT. 14-36-50 N., LONG. 103-53-24 E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR GUIDEPOST 192-193 AND ABOUT 4 KILOMETERS FROM AMPHOE SANGKHA, BAN PHON CHAI, TAMBON SANGKHA, AMPHOE SANGKHA, SURIN.
DRAINAGE AREA	207 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M. OF HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.511 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.19	-0.41	-0.41	0.87	0.54	1.54	1.00	0.60	0.47	0.17	0.11	-0.33	
2	-0.19	-0.41	-0.41	0.89	0.53	1.58	1.29	0.53	0.45	0.13	0.05	-0.32	
3	-0.26	-0.41	-0.41	0.89	0.52	1.59	1.19	0.57	0.43	0.16	-0.06	-0.33	
4	-0.26	-0.37	-0.41	0.88	0.51	1.73	1.05	0.57	0.43	0.16	-0.15	-0.33	
5	-0.27	-0.37	-0.43	0.90	0.59	1.98	0.95	0.66	0.43	0.14	-0.18	-0.33	
6	-0.29	-0.37	-0.43	0.89	0.58	1.88	0.85	0.77	0.41	0.12	-0.23	-0.35	
7	-0.32	-0.37	-0.42	0.87	0.58	1.80	0.78	0.80	0.39	0.04	-0.24	-0.36	
8	-0.34	-0.38	-0.42	0.85	0.63	1.59	0.92	0.80	0.39	0.10	-0.24	-0.33	
9	-0.36	-0.38	-0.42	0.83	0.69	1.44	0.97	0.80	0.35	0.07	-0.25	-0.34	
10	-0.37	-0.38	-0.43	0.82	0.69	1.27	0.81	0.77	0.32	0.07	-0.21	-0.38	
11	-0.38	-0.39	-0.39	0.80	0.88	1.10	0.71	0.76	0.36	0.06	-0.14	-0.38	
12	-0.38	-0.38	-0.39	0.80	0.79	0.90	0.69	0.75	0.37	0.03	-0.14	-0.39	
13	-0.38	-0.39	-0.40	0.80	0.90	0.70	0.75	0.73	0.37	0.02	-0.15	-0.40	
14	-0.39	-0.40	-0.39	0.79	1.14	0.54	0.79	0.74	0.32	0.09	-0.17	-0.46	
15	-0.39	-0.37	0.64	0.77	1.25	0.50	0.84	0.82	0.28	0.08	-0.17	-0.48	
16	-0.40	-0.37	0.72	0.74	1.37	0.80	0.94	0.92	0.34	-0.15	-0.20	-0.56	
17	-0.41	-0.38	0.83	0.71	1.37	1.09	1.12	0.99	0.32	0.17	-0.24	-0.56	
18	-0.41	-0.38	0.87	0.70	1.34	1.06	1.16	1.05	0.29	0.27	-0.27	-0.56	
19	-0.42	-0.39	0.86	0.69	1.34	0.95	1.26	1.08	0.26	0.00	-0.28	-0.55	
20	-0.42	-0.40	0.64	0.66	1.32	0.81	1.37	1.03	0.24	-0.01	-0.28	-0.55	
21	-0.42	-0.39	0.42	0.78	1.32	0.70	1.27	0.95	0.25	-0.13	-0.26	-0.55	
22	-0.43	-0.41	0.62	0.76	1.32	0.67	1.18	0.88	0.21	-0.04	-0.29	-0.55	
23	-0.42	-0.42	0.62	0.73	1.19	0.66	1.02	0.83	0.21	-0.17	-0.30	-0.55	
24	-0.39	-0.43	0.73	0.71	1.42	0.70	0.96	0.73	0.21	-0.23	-0.31	-0.55	
25	-0.40	-0.43	0.72	0.69	1.41	0.72	0.93	0.63	0.22	-0.22	-0.31	-0.56	
26	-0.40	-0.45	0.74	0.66	0.86	0.76	0.83	0.63	0.24	-0.16	-0.33	-0.58	
27	-0.40	-0.44	0.77	0.65	1.45	0.77	0.73	0.66	0.13	-0.17	-0.33	-0.58	
28	-0.40	-0.44	0.84	0.60	1.49	0.71	0.69	0.63	0.17	-0.18	-0.33	-0.59	
29	-0.40	-0.41	0.87	0.59	1.55	0.76	0.66	0.47	0.25	-0.21		-0.59	
30	-0.41	-0.41	0.87	0.57	1.57	0.84	0.60	0.47	0.19	-0.22		-0.60	
31		-0.41		0.56	1.55		0.59		0.17	0.21		-0.60	
MEAN	-0.36	-0.40	0.20	0.76	1.05	1.07	0.93	0.75	0.31	0.01	-0.21	-0.47	
MAX	-0.19	-0.37	0.87	0.90	1.57	1.98	1.37	1.08	0.47	0.27	0.11	-0.32	1.98
MIN	-0.43	-0.45	-0.43	0.56	0.51	0.50	0.59	0.47	0.13	-0.23	-0.33	-0.60	-0.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.99 M (A.D), AT 15.00 HOURS, ON SEP 5, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 3.28 M (A.D)
RIGHT BANK ELEVATION 3.28 M (A.D), DRAINAGE AREA 207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.00	0.00	4.42	1.80	15.60	5.75	2.15	1.43	0.50	0.39	0.00	
2	0.04	0.00	0.00	4.61	1.74	16.80	9.93	1.74	1.34	0.43	0.29	0.00	
3	0.02	0.00	0.00	4.61	1.69	17.10	8.26	1.98	1.24	0.48	0.12	0.00	
4	0.02	0.00	0.00	4.51	1.63	22.13	6.37	1.98	1.24	0.48	0.05	0.00	
5	0.01	0.00	0.00	4.70	2.09	33.94	5.23	2.60	1.24	0.45	0.04	0.00	
6	0.00	0.00	0.00	4.61	2.03	28.76	4.23	3.50	1.15	0.41	0.03	0.00	
7	0.00	0.00	0.00	4.42	2.03	25.00	3.58	3.75	1.07	0.27	0.02	0.00	
8	0.00	0.00	0.00	4.23	2.38	17.10	4.91	3.75	1.07	0.38	0.02	0.00	
9	0.00	0.00	0.00	4.03	2.83	12.99	5.44	3.75	0.95	0.32	0.02	0.00	
10	0.00	0.00	0.00	3.94	2.83	9.59	3.85	3.50	0.86	0.32	0.04	0.00	
11	0.00	0.00	0.00	3.75	4.51	7.00	2.99	3.41	0.98	0.31	0.05	0.00	
12	0.00	0.00	0.00	3.75	3.67	4.70	2.83	3.33	1.01	0.25	0.05	0.00	
13	0.00	0.00	0.00	3.75	4.70	2.90	3.33	3.16	1.01	0.24	0.05	0.00	
14	0.00	0.00	0.00	3.67	7.56	1.80	3.67	3.24	0.86	0.36	0.05	0.00	
15	0.00	0.00	2.45	3.50	9.25	1.57	4.13	3.94	0.75	0.34	0.05	0.00	
16	0.00	0.00	3.07	3.24	11.47	3.75	5.12	4.91	0.92	0.05	0.04	0.00	
17	0.00	0.00	4.03	2.99	11.47	6.88	7.28	5.65	0.86	0.50	0.02	0.00	
18	0.00	0.00	4.42	2.90	10.88	6.50	7.84	6.37	0.78	0.73	0.01	0.00	
19	0.00	0.00	4.32	2.83	10.88	5.23	9.42	6.75	0.70	0.20	0.01	0.00	
20	0.00	0.00	2.45	2.60	10.49	3.85	11.47	6.12	0.65	0.19	0.01	0.00	
21	0.00	0.00	1.19	3.58	10.49	2.90	9.59	5.23	0.68	0.05	0.02	0.00	
22	0.00	0.00	2.30	3.41	10.49	2.68	8.12	4.51	0.58	0.14	0.00	0.00	
23	0.00	0.00	2.30	3.16	8.26	2.60	6.00	4.03	0.58	0.05	0.00	0.00	
24	0.00	0.00	3.16	2.99	12.52	2.90	5.33	3.16	0.58	0.03	0.00	0.00	
25	0.00	0.00	3.07	2.83	12.28	3.07	5.02	2.38	0.60	0.03	0.00	0.00	
26	0.00	0.00	3.24	2.60	4.32	3.41	4.03	2.38	0.65	0.05	0.00	0.00	
27	0.00	0.00	3.50	2.52	13.23	3.50	3.16	2.60	0.43	0.05	0.00	0.00	
28	0.00	0.00	4.13	2.15	14.17	2.99	2.83	2.38	0.50	0.04	0.00	0.00	
29	0.00	0.00	4.42	2.09	15.90	3.41	2.60	1.43	0.68	0.04		0.00	
30	0.00	0.00	4.42	1.98	16.50	4.13	2.15	1.43	0.53	0.03		0.00	
31		0.00		1.92	15.90		2.09		0.50	0.58		0.00	
TOTAL	0.13	0.00	52.47	106.29	239.99	274.78	166.55	105.11	26.42	8.30	1.38	0.00	981.42 CMSDAY
MEAN	0.00	0.00	1.75	3.43	7.74	9.16	5.37	3.50	0.85	0.27	0.05	0.00	2.69 CMS
MAX	0.04	0.00	4.42	4.70	16.50	33.94	11.47	6.75	1.43	0.73	0.39	0.00	33.94 CMS
MIN	0.00	0.00	0.00	1.92	1.63	1.57	2.09	1.43	0.43	0.03	0.00	0.00	0.00 CMS
RUNOFF	0.011	0.000	4.533	9.183	20.735	23.741	14.390	9.082	2.283	0.717	0.119	0.000	84.795 MCM

MOMENTARY PEAK 34.47 CMS, AT 1.99 M (A.D), AT 15.00 HOURS, ON SEP 5, 1984

RUNOFF YIELD 12.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 166.52 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

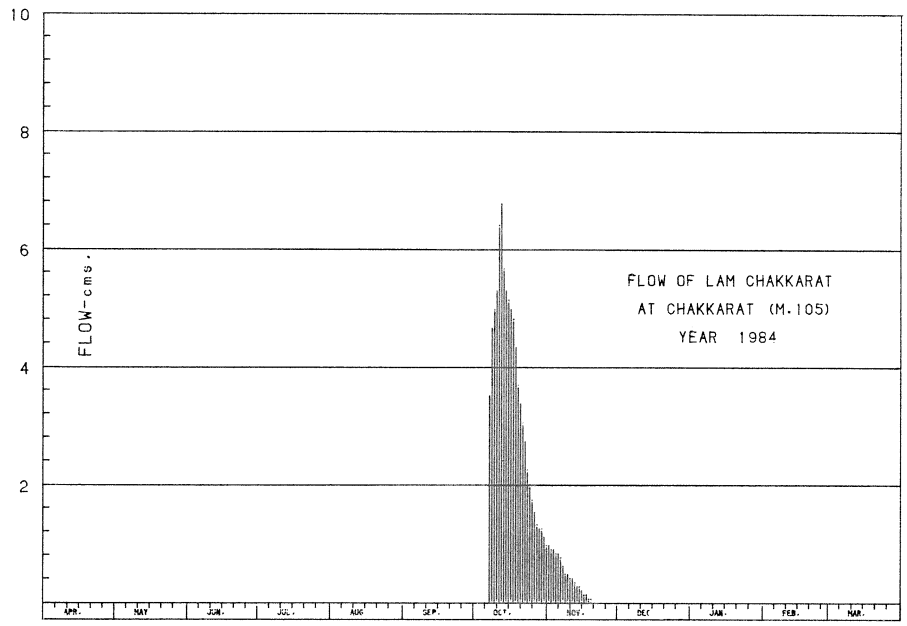
LAM CHAKKARAT AT CHAKKARAT, NAKHON RATCHASIMA (M.105)

LOCATION	LAT. 15-00-42 N., LONG. 102-24-25 E., ON LEFT BANK ABOUT 500 METERS FROM CHAKKARAT RAILWAY STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.
DRAINAGE AREA	1,291 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. A.D.
BENCH MARK	B.M-H.D.
LOCATION	ON LEFT BANK NEAR THE RAILWAY BRIDGE.
ELEVATION	+5.824 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE DURING 1983-1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.01	0.85	1.05	1.61	1.19	0.90	1.58	1.94	1.69	1.43	1.18	0.94	
2	1.01	0.84	1.06	1.60	1.18	0.90	1.62	1.93	1.68	1.42	1.17	0.92	
3	1.01	0.83	1.09	1.58	1.15	0.94	1.67	1.93	1.68	1.41	1.16	0.91	
4	0.99	0.83	1.11	1.57	1.12	1.10	1.70	1.92	1.67	1.41	1.15	0.90	
5	0.98	0.82	1.14	1.56	1.12	1.12	1.73	1.92	1.66	1.40	1.14	0.89	
6	0.98	0.81	1.14	1.56	1.06	1.14	1.74	1.91	1.65	1.39	1.12	0.88	
7	0.97	0.80	1.12	1.58	0.96	1.16	2.19	1.89	1.65	1.38	1.11	0.87	
8	0.96	0.79	1.09	1.57	0.92	1.17	2.26	1.87	1.64	1.37	1.10	0.86	
9	0.95	0.78	1.10	1.60	0.91	1.18	2.28	1.87	1.63	1.37	1.09	0.85	
10	0.94	0.82	1.14	1.61	0.92	1.19	2.30	1.86	1.62	1.36	1.09	0.84	
11	0.93	0.84	1.35	1.62	0.93	1.20	2.33	1.86	1.62	1.35	1.08	0.83	
12	0.93	0.88	1.47	1.62	0.94	1.23	2.34	1.85	1.61	1.34	1.07	0.82	
13	0.92	0.89	1.63	1.66	0.95	1.24	2.31	1.84	1.60	1.33	1.06	0.81	
14	0.91	0.91	1.72	1.67	0.95	1.24	2.30	1.84	1.60	1.33	1.06	0.80	
15	0.90	0.90	1.76	1.66	0.94	1.25	2.29	1.83	1.59	1.31	1.05	0.79	
16	0.89	0.90	1.78	1.65	0.92	1.26	2.28	1.82	1.58	1.31	1.04	0.79	
17	0.88	0.91	1.76	1.60	0.91	1.25	2.27	1.82	1.57	1.30	1.04	0.78	
18	0.87	0.91	1.75	1.53	0.92	1.25	2.24	1.81	1.56	1.29	1.03	0.77	
19	0.86	0.90	1.74	1.50	1.15	1.26	2.20	1.81	1.55	1.28	1.02	0.77	
20	0.85	0.91	1.73	1.48	1.16	1.25	2.18	1.80	1.54	1.27	1.02	0.76	
21	0.85	0.91	1.72	1.45	1.16	1.26	2.16	1.79	1.53	1.26	1.01	0.75	
22	0.85	0.90	1.71	1.43	1.15	1.29	2.14	1.79	1.52	1.25	1.00	0.74	
23	0.86	0.90	1.70	1.43	1.15	1.34	2.11	1.77	1.51	1.24	0.99	0.74	
24	0.88	0.89	1.69	1.40	1.13	1.39	2.08	1.76	1.50	1.23	0.99	0.77	
25	0.88	0.89	1.68	1.36	0.92	1.45	2.05	1.74	1.49	1.23	0.98	0.77	
26	0.88	0.91	1.66	1.32	0.90	1.47	2.02	1.73	1.48	1.22	0.97	0.76	
27	0.87	0.91	1.66	1.28	1.02	1.48	1.99	1.72	1.47	1.22	0.96	0.76	
28	0.87	0.92	1.65	1.27	1.02	1.50	1.98	1.72	1.46	1.21	0.95	0.75	
29	0.86	0.92	1.64	1.27	0.94	1.52	1.98	1.71	1.46	1.20		0.73	
30	0.85	0.93	1.63	1.26	0.92	1.53	1.96	1.70	1.45	1.19		0.72	
31		0.93		1.24	0.91		1.94		1.44	1.18		0.71	
MEAN	0.91	0.88	1.48	1.50	1.02	1.25	2.07	1.83	1.57	1.31	1.06	0.81	
MAX	1.01	0.93	1.78	1.67	1.19	1.53	2.34	1.94	1.69	1.43	1.18	0.94	2.34
MIN	0.85	0.78	1.05	1.24	0.90	0.90	1.58	1.70	1.44	1.18	0.95	0.71	0.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.34 M (A.D), AT 6.00 HOURS, ON OCT 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 5.64 M (A.D)
RIGHT BANK ELEVATION 5.66 M (A.D), DRAINAGE AREA 1291 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

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	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	5.60	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	3.76	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
31		0.00		0.00	0.00		0.00		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	49.80	0.00	0.00	0.00	0.00	0.00	49.80 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.14 CMS
MAX	0.00	0.00	0.00	0.00	0.00	0.00	5.60	0.00	0.00	0.00	0.00	0.00	5.60 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000	4.303	0.000	0.000	0.000	0.000	0.000	4.303 MCM

MOMENTARY PEAK 5.60 CMS, AT 2.34 M (A.D), AT 6.00 HOURS, ON OCT 12, 1984

RUNOFF YIELD 0.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 4.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

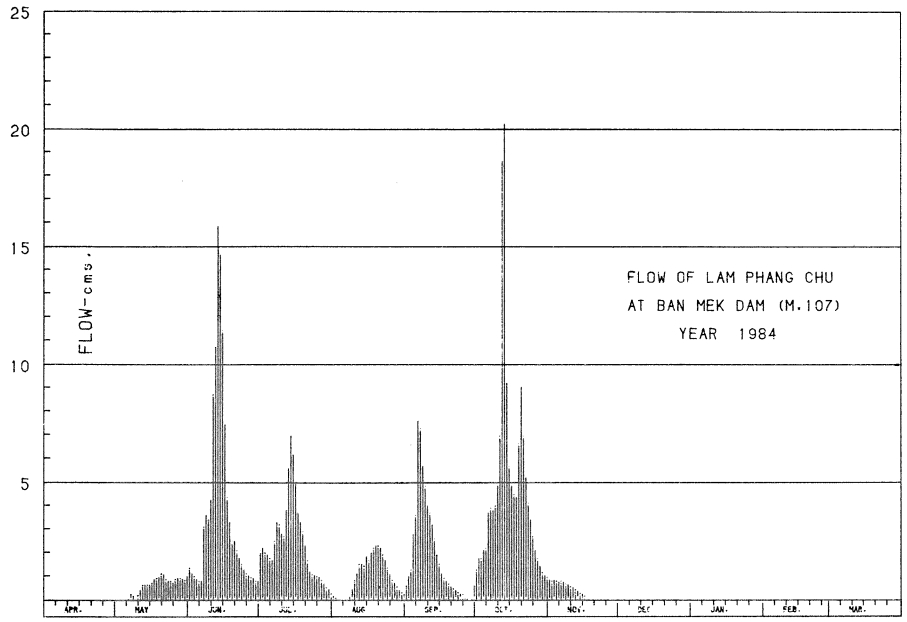
LAM PHANG CHU AT BAN MEK DAM, MAHA SARAKHAM (M.107)

LOCATION	LAT. 15-32-00 N., LONG. 103-05-29 E., ON RIGHT BANK AT WAT THA CHAI SI, BAN MEK DAM, TAMBON MEK DAM , AMPHOE PHAYAKKHAPHUM PHISAI, MAHA SARAKHAM.
DRAINAGE AREA	1,110 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+134.004 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+139.401 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1981 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981
RATED BY FLOAT	-
RATED BY CURRENT METER	1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 10 DISCHARGE MEASUREMENTS MADE IN 1981.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.08	134.02	134.72	134.81	134.44	134.55	134.71	134.61	134.39	134.21	134.09	133.99	
2	134.08	134.03	134.68	134.82	134.42	134.65	134.77	134.60	134.39	134.20	134.09	133.99	
3	134.07	134.12	134.65	134.80	134.41	134.71	134.77	134.61	134.39	134.20	134.08	133.93	
4	134.06	134.12	134.62	134.79	134.39	134.88	134.81	134.60	134.38	134.20	134.08	133.93	
5	134.06	134.28	134.60	134.77	134.38	134.96	134.82	134.59	134.37	134.19	134.08	133.92	
6	134.06	134.43	134.60	134.76	134.36	135.25	134.97	134.60	134.36	134.19	134.07	133.92	
7	134.05	134.46	134.91	134.85	134.40	135.23	134.99	134.59	134.35	134.19	134.06	133.91	
8	134.05	134.44	134.96	134.93	134.44	135.13	134.98	134.57	134.34	134.18	134.06	133.91	
9	134.03	134.43	134.94	134.92	134.51	135.07	135.00	134.56	134.33	134.18	134.06	133.90	
10	134.02	134.45	135.02	134.88	134.61	135.00	135.07	134.54	134.32	134.17	134.05	133.90	
11	134.02	134.50	135.32	134.87	134.68	134.97	135.21	134.53	134.32	134.17	134.05	133.89	
12	134.02	134.56	135.44	134.98	134.74	134.92	135.81	134.51	134.31	134.16	134.04	133.89	
13	134.02	134.56	135.69	135.13	134.74	134.86	135.88	134.49	134.31	134.16	134.03	133.88	
14	134.02	134.56	135.63	135.21	134.73	134.79	135.35	134.47	134.30	134.16	134.03	133.88	
15	134.01	134.56	135.48	135.17	134.78	134.74	135.13	134.46	134.30	134.15	134.03	133.87	
16	134.01	134.58	135.24	135.08	134.76	134.68	135.07	134.44	134.29	134.15	134.03	133.87	
17	134.01	134.62	135.03	134.98	134.80	134.63	135.04	134.43	134.28	134.15	134.02	133.86	
18	134.01	134.63	134.93	134.93	134.82	134.60	135.03	134.42	134.28	134.14	134.02	133.86	
19	134.00	134.64	134.85	134.89	134.83	134.57	135.19	134.40	134.27	134.14	134.02	133.86	
20	134.00	134.68	134.85	134.83	134.83	134.54	135.34	134.39	134.27	134.14	134.01	133.85	
21	134.00	134.67	134.81	134.76	134.82	134.52	135.21	134.38	134.27	134.13	134.01	133.84	
22	134.00	134.62	134.77	134.70	134.79	134.50	135.10	134.39	134.26	134.13	134.01	133.83	
23	134.00	134.60	134.74	134.67	134.76	134.48	135.01	134.38	134.26	134.12	134.00	133.83	
24	134.00	134.60	134.71	134.66	134.72	134.46	134.94	134.38	134.25	134.12	133.99	133.82	
25	134.00	134.58	134.68	134.65	134.67	134.46	134.87	134.39	134.24	134.12	133.98	133.86	
26	134.00	134.62	134.66	134.64	134.61	134.43	134.81	134.41	134.24	134.11	133.98	133.85	
27	134.00	134.63	134.64	134.61	134.58	134.41	134.77	134.40	134.23	134.11	133.97	133.84	
28	134.00	134.63	134.63	134.57	134.54	134.39	134.73	134.40	134.22	134.10	133.96	133.84	
29	134.00	134.62	134.60	134.53	134.50	134.44	134.69	134.40	134.22	134.10		133.83	
30	134.00	134.61	134.60	134.51	134.48	134.55	134.66	134.40	134.21	134.10		133.82	
31		134.65		134.47	134.46		134.64		134.21	134.09		133.81	
MEAN	134.02	134.50	134.90	134.81	134.61	134.71	135.01	134.48	134.30	134.15	134.03	133.88	
MAX	134.08	134.68	135.69	135.21	134.83	135.25	135.88	134.61	134.39	134.21	134.09	133.99	135.88
MIN	134.00	134.02	134.60	134.47	134.36	134.39	134.64	134.38	134.21	134.09	133.96	133.81	133.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 135.96 M (MSL), AT 6.00 HOURS, ON OCT 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 134.00 M (MSL), RIVER BED 133.53 M (MSL)
LEFT BANK ELEVATION 139.25 M (MSL)
RIGHT BANK ELEVATION 139.20 M (MSL), DRAINAGE AREA 1110 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.36	2.10	0.16	0.60	1.28	0.84	0.00	0.00	0.00	0.00	
2	0.00	0.00	1.12	2.20	0.08	1.00	1.76	0.80	0.00	0.00	0.00	0.00	
3	0.00	0.00	1.00	2.00	0.04	1.28	1.76	0.84	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.88	1.92	0.00	2.80	2.10	0.80	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.80	1.76	0.00	3.60	2.20	0.76	0.00	0.00	0.00	0.00	
6	0.00	0.12	0.80	1.68	0.00	7.60	3.70	0.80	0.00	0.00	0.00	0.00	
7	0.00	0.24	3.10	2.50	0.00	7.28	3.90	0.76	0.00	0.00	0.00	0.00	
8	0.00	0.16	3.60	3.30	0.16	5.68	3.80	0.68	0.00	0.00	0.00	0.00	
9	0.00	0.12	3.40	3.20	0.44	4.84	4.00	0.64	0.00	0.00	0.00	0.00	
10	0.00	0.20	4.24	2.80	0.84	4.00	4.84	0.56	0.00	0.00	0.00	0.00	
11	0.00	0.40	8.72	2.70	1.12	3.70	6.96	0.52	0.00	0.00	0.00	0.00	
12	0.00	0.64	10.72	3.80	1.52	3.20	18.64	0.44	0.00	0.00	0.00	0.00	
13	0.00	0.64	15.98	5.68	1.52	2.60	20.32	0.36	0.00	0.00	0.00	0.00	
14	0.00	0.64	14.66	6.96	1.44	1.92	9.20	0.28	0.00	0.00	0.00	0.00	
15	0.00	0.64	11.44	6.32	1.84	1.52	5.68	0.24	0.00	0.00	0.00	0.00	
16	0.00	0.72	7.44	4.96	1.68	1.12	4.84	0.16	0.00	0.00	0.00	0.00	
17	0.00	0.88	4.36	3.80	2.00	0.92	4.48	0.12	0.00	0.00	0.00	0.00	
18	0.00	0.92	3.30	3.30	2.20	0.80	4.36	0.08	0.00	0.00	0.00	0.00	
19	0.00	0.96	2.50	2.90	2.30	0.68	6.64	0.00	0.00	0.00	0.00	0.00	
20	0.00	1.12	2.50	2.30	2.30	0.56	9.04	0.00	0.00	0.00	0.00	0.00	
21	0.00	1.08	2.10	1.68	2.20	0.48	6.96	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.88	1.76	1.20	1.92	0.40	5.20	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.80	1.52	1.08	1.68	0.32	4.12	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.80	1.28	1.04	1.36	0.24	3.40	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.72	1.12	1.00	1.08	0.24	2.70	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.88	1.04	0.96	0.84	0.12	2.10	0.04	0.00	0.00	0.00	0.00	
27	0.00	0.92	0.96	0.84	0.72	0.04	1.76	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.92	0.92	0.68	0.56	0.00	1.44	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.88	0.80	0.52	0.40	0.16	1.16	0.00	0.00	0.00		0.00	
30	0.00	0.84	0.80	0.44	0.32	0.60	1.04	0.00	0.00	0.00		0.00	
31		1.00		0.28	0.24		0.96		0.00	0.00		0.00	
TOTAL	0.00	18.12	114.22	75.90	30.96	58.30	150.34	9.72	0.00	0.00	0.00	0.00	457.56 CMSDAY
MEAN	0.00	0.58	3.81	2.45	1.00	1.94	4.85	0.32	0.00	0.00	0.00	0.00	1.25 CMS
MAX	0.00	1.12	15.98	6.96	2.30	7.60	20.32	0.84	0.00	0.00	0.00	0.00	20.32 CMS
MIN	0.00	0.00	0.80	0.28	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	1.566	9.869	6.558	2.675	5.037	12.989	0.840	0.000	0.000	0.000	0.000	39.533 MCM

MOMENTARY PEAK 22.36 CMS, AT 135.96 M (MSL), AT 6.00 HOURS, ON OCT 13, 1984

RUNOFF YIELD 1.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

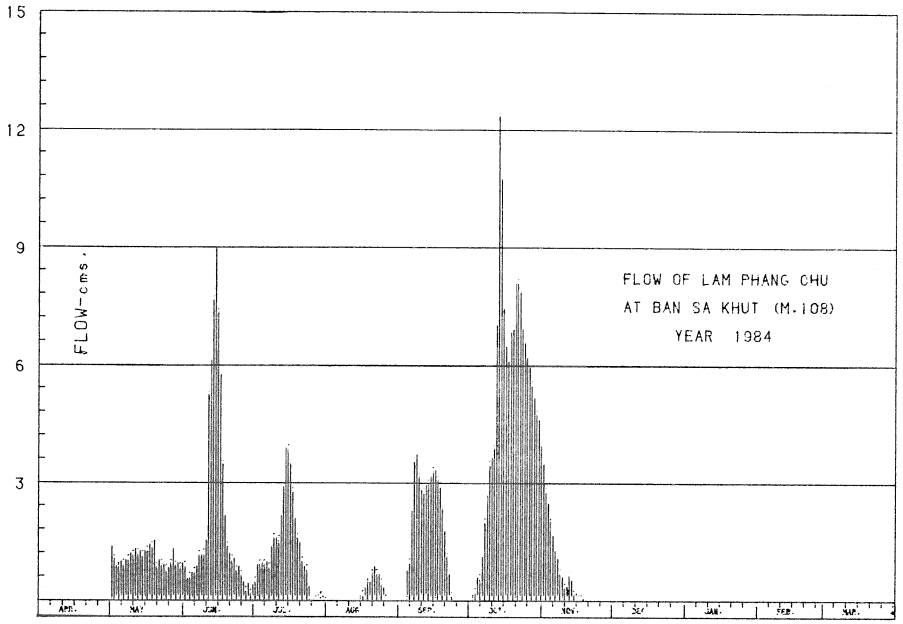
LAM PHANG CHU AT BAN SA KHUT, SURIN (M.108)

LOCATION	LAT. 15-27-15 N., LONG. 103-06-42 E., ON RIGHT BANK AT BAN SA KHUT, TAMBON SA KHUT, AMPHOE CHUMPHON BURI, SURIN.
DRAINAGE AREA	1,156 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDE.
ELEVATION	+5.382 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00,09.00,12.00,15.00,AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981
RATED BY FLOAT	-
RATED BY CURRENT METER	1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1981.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.92	0.14	0.06	-0.04	-0.19	-0.29	-0.25	0.46	0.68	0.61	0.49	0.35	
2	-0.91	0.10	-0.05	0.04	-0.19	-0.29	-0.16	0.38	0.67	0.60	0.49	0.34	
3	-0.90	0.03	-0.01	0.07	-0.20	-0.22	-0.11	0.32	0.66	0.60	0.48	0.32	
4	-0.89	0.05	-0.01	0.05	-0.20	0.00	-0.04	0.26	0.65	0.59	0.48	0.32	
5	-0.88	0.06	0.02	0.07	-0.24	0.08	-0.02	0.19	0.65	0.58	0.47	0.31	
6	-0.87	0.07	0.03	0.06	-0.25	0.29	0.09	0.14	0.65	0.58	0.47	0.30	
7	-0.86	0.07	0.12	0.05	-0.27	0.48	0.26	0.08	0.65	0.58	0.46	0.30	
8	-0.85	0.10	0.10	0.14	-0.28	0.49	0.35	0.01	0.66	0.58	0.46	0.29	
9	-0.84	0.11	0.13	0.20	-0.29	0.43	0.47	-0.04	0.66	0.57	0.45	0.28	
10	-0.83	0.12	0.17	0.18	-0.28	0.37	0.48	-0.08	0.65	0.57	0.44	0.27	
11	-0.83	0.13	0.69	0.19	-0.30	0.38	0.52	-0.10	0.65	0.57	0.44	0.26	
12	-0.82	0.13	0.78	0.27	-0.26	0.39	0.88	0.00	0.65	0.56	0.43	0.26	
13	-0.82	0.12	0.95	0.40	-0.27	0.41	1.36	-0.06	0.64	0.56	0.42	0.25	
14	-0.81	0.12	1.06	0.51	-0.27	0.42	1.22	-0.13	0.63	0.56	0.42	0.24	
15	-0.81	0.12	0.92	0.52	-0.17	0.45	0.93	-0.15	0.63	0.56	0.41	0.23	
16	-0.80	0.14	0.74	0.46	-0.13	0.44	0.82	-0.16	0.62	0.56	0.41	0.22	
17	-0.80	0.15	0.47	0.38	-0.11	0.42	0.79	-0.16	0.62	0.55	0.41	0.21	
18	-0.78	0.16	0.27	0.26	-0.05	0.38	0.86	-0.19	0.63	0.55	0.40	0.21	
19	-0.77	0.17	0.16	0.20	-0.07	0.31	0.88	-0.20	0.66	0.54	0.40	0.20	
20	-0.76	0.05	0.11	0.16	0.01	0.21	0.98	-0.20	0.68	0.54	0.39	0.20	
21	-0.74	0.07	0.10	0.09	0.03	0.11	0.99	-0.21	0.66	0.53	0.39	0.19	
22	-0.74	0.07	0.08	0.03	0.01	-0.02	0.96	-0.21	0.64	0.53	0.38	0.18	
23	-0.74	0.04	0.03	0.04	-0.02	-0.14	0.88	-0.21	0.60	0.53	0.38	0.18	
24	-0.74	0.04	0.03	-0.10	-0.05	-0.25	0.83	-0.20	0.61	0.53	0.37	0.17	
25	-0.78	0.02	0.00	-0.20	-0.11	-0.28	0.80	-0.22	0.63	0.52	0.36	0.16	
26	-0.88	0.07	-0.07	-0.19	-0.16	-0.27	0.76	-0.22	0.63	0.52	0.35	0.16	
27	-0.90	0.13	-0.10	-0.17	-0.21	-0.28	0.72	-0.12	0.63	0.52	0.35	0.15	
28	-0.90	0.06	-0.08	-0.16	-0.27	-0.28	0.67	0.26	0.63	0.51	0.35	0.14	
29	-0.90	0.05	-0.12	-0.18	-0.26	-0.22	0.63	0.51	0.61	0.51		0.13	
30	-0.89	0.05	-0.09	-0.17	-0.29	-0.25	0.60	0.64	0.61	0.51		0.13	
31		0.05		-0.18	-0.29		0.53		0.61	0.50		0.12	
MEAN	-0.83	0.09	0.22	0.10	-0.18	0.11	0.60	0.01	0.64	0.55	0.42	0.23	
MAX	-0.74	0.17	1.06	0.52	0.03	0.49	1.36	0.64	0.68	0.61	0.49	0.35	1.36
MIN	-0.92	0.02	-0.12	-0.20	-0.30	-0.29	-0.25	-0.22	0.60	0.50	0.35	0.12	-0.92

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.41 M (A.D), AT 18.00 HOURS, ON OCT 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.38 M (A.D)
LEFT BANK ELEVATION 5.14 M (A.D)
RIGHT BANK ELEVATION 5.13 M (A.D), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	1.37	0.99	0.59	0.04	0.00	0.00	3.48	0.00	0.00	0.00	0.00	
2	0.00	1.15	0.55	0.91	0.04	0.00	0.14	2.87	0.00	0.00	0.00	0.00	
3	0.00	0.87	0.71	1.03	0.00	0.00	0.32	2.48	0.00	0.00	0.00	0.00	
4	0.00	0.95	0.71	0.95	0.00	0.75	0.59	2.09	0.00	0.00	0.00	0.00	
5	0.00	0.99	0.83	1.03	0.00	1.07	0.67	1.65	0.00	0.00	0.00	0.00	
6	0.00	1.03	0.87	0.99	0.00	2.28	1.11	1.37	0.00	0.00	0.00	0.00	
7	0.00	1.03	1.26	0.95	0.00	3.64	2.09	1.07	0.00	0.00	0.00	0.00	
8	0.00	1.15	1.15	1.37	0.00	3.72	2.68	0.79	0.00	0.00	0.00	0.00	
9	0.00	1.20	1.31	1.70	0.00	3.24	3.56	0.59	0.00	0.00	0.00	0.00	
10	0.00	1.26	1.53	1.59	0.00	2.81	3.64	0.43	0.00	0.00	0.00	0.00	
11	0.00	1.31	5.32	1.65	0.00	2.87	3.96	0.35	0.00	0.00	0.00	0.00	
12	0.00	1.31	6.12	2.16	0.00	2.94	7.02	0.75	0.00	0.00	0.00	0.00	
13	0.00	1.26	7.75	3.00	0.00	3.08	12.42	0.51	0.00	0.00	0.00	0.00	
14	0.00	1.26	8.96	3.88	0.00	3.16	10.74	0.25	0.00	0.00	0.00	0.00	
15	0.00	1.26	7.42	3.96	0.11	3.40	7.53	0.18	0.00	0.00	0.00	0.00	
16	0.00	1.37	5.76	3.48	0.25	3.32	6.48	0.14	0.00	0.00	0.00	0.00	
17	0.00	1.43	3.56	2.87	0.32	3.16	6.21	0.14	0.00	0.00	0.00	0.00	
18	0.00	1.48	2.16	2.09	0.55	2.87	6.84	0.04	0.00	0.00	0.00	0.00	
19	0.00	1.53	1.48	1.70	0.47	2.42	7.02	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.95	1.20	1.48	0.79	1.77	8.08	0.00	0.00	0.00	0.00	0.00	
21	0.00	1.03	1.15	1.11	0.87	1.20	8.19	0.00	0.00	0.00	0.00	0.00	
22	0.00	1.03	1.07	0.87	0.79	0.67	7.86	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.91	0.87	0.91	0.67	0.21	7.02	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.91	0.87	0.35	0.55	0.00	6.57	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.83	0.75	0.00	0.32	0.00	6.30	0.00	0.00	0.00	0.00	0.00	
26	0.00	1.03	0.47	0.04	0.14	0.00	5.94	0.00	0.00	0.00	0.00	0.00	
27	0.00	1.31	0.35	0.11	0.00	0.00	5.58	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.99	0.43	0.14	0.00	0.00	5.16	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.95	0.28	0.07	0.00	0.00	4.84	0.00	0.00	0.00		0.00	
30	0.00	0.95	0.39	0.11	0.00	0.00	4.60	0.00	0.00	0.00		0.00	
31		0.95		0.07	0.00		4.04		0.00	0.00		0.00	
TOTAL	0.00	35.05	66.27	41.16	5.91	48.58	157.20	19.18	0.00	0.00	0.00	0.00	373.35 CMSDAY
MEAN	0.00	1.13	2.21	1.33	0.19	1.62	5.07	0.64	0.00	0.00	0.00	0.00	1.02 CMS
MAX	0.00	1.53	8.96	3.96	0.87	3.72	12.42	3.48	0.00	0.00	0.00	0.00	12.42 CMS
MIN	0.00	0.83	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	3.028	5.726	3.556	0.511	4.197	13.582	1.657	0.000	0.000	0.000	0.000	32.257 MCM

MOMENTARY PEAK 13.03 CMS, AT 1.41 M (A.D), AT 18.00 HOURS, ON OCT 13, 1984
RUNOFF YIELD 0.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.27 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

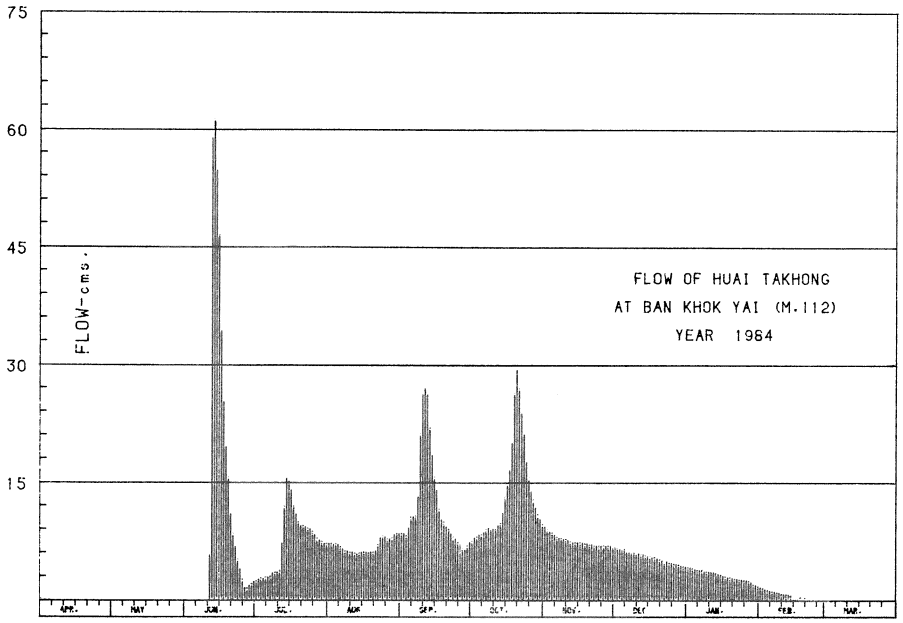
HUAI TAKHONG AT BAN KHOK YAI, BURI RAM (M.112)

LOCATION	LAT. 15-11-44 N., LONG. 103-12-22 E., ON LEFT BANK ATTHE BRIDGE ON HIGHWAY AT BAN KHOK YAI, AMPHOE SATUK, BURI RAM.
DRAINAGE AREA	1,156 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+9.129 M.(A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.85	2.62	2.73	3.25	3.66	3.75	3.68	3.81	3.64	3.42	3.15	2.86	
2	2.85	2.61	2.73	3.27	3.66	3.75	3.71	3.79	3.64	3.42	3.14	2.86	
3	2.84	2.60	2.74	3.29	3.65	3.73	3.72	3.77	3.68	3.41	3.12	2.85	
4	2.83	2.64	2.74	3.28	3.66	3.80	3.74	3.76	3.62	3.40	3.11	2.84	
5	2.82	2.63	2.74	3.30	3.65	3.89	3.74	3.74	3.62	3.39	3.09	2.84	
6	2.81	2.65	2.76	3.30	3.63	3.89	3.76	3.72	3.61	3.39	3.08	2.83	
7	2.80	2.64	2.78	3.31	3.61	3.90	3.79	3.71	3.60	3.39	3.07	2.82	
8	2.79	2.63	2.78	3.35	3.59	4.04	3.80	3.71	3.59	3.37	3.06	2.81	
9	2.78	2.62	2.79	3.36	3.59	4.43	3.80	3.70	3.58	3.37	3.05	2.81	
10	2.77	2.62	2.80	3.36	3.58	4.62	3.79	3.70	3.58	3.37	3.03	2.79	
11	2.76	2.62	3.57	3.38	3.58	4.66	3.81	3.69	3.57	3.36	3.02	2.78	
12	2.75	2.62	5.56	3.66	3.57	4.62	3.82	3.68	3.56	3.36	3.02	2.77	
13	2.74	2.61	5.62	3.97	3.56	4.46	3.84	3.67	3.56	3.35	3.01	2.76	
14	2.73	2.59	5.46	4.17	3.57	4.32	3.92	3.67	3.55	3.34	2.99	2.75	
15	2.72	2.60	5.25	4.15	3.58	4.18	4.04	3.67	3.54	3.33	2.89	2.74	
16	2.71	2.62	4.89	4.09	3.58	4.09	4.12	3.67	3.54	3.32	2.96	2.73	
17	2.70	2.63	4.60	3.97	3.58	3.95	4.24	3.67	3.53	3.31	2.95	2.72	
18	2.69	2.62	4.36	3.91	3.57	3.87	4.38	3.66	3.53	3.30	2.94	2.71	
19	2.68	2.61	4.18	3.85	3.58	3.85	4.63	3.66	3.52	3.30	2.93	2.70	
20	2.67	2.63	3.91	3.82	3.58	3.81	4.73	3.65	3.51	3.29	2.92	2.69	
21	2.66	2.62	3.75	3.82	3.59	3.79	4.65	3.65	3.50	3.28	2.91	2.68	
22	2.66	2.62	3.63	3.81	3.65	3.75	4.53	3.64	3.49	3.28	2.89	2.67	
23	2.67	2.62	3.51	3.80	3.71	3.72	4.44	3.64	3.49	3.27	2.90	2.66	
24	2.66	2.62	3.40	3.79	3.73	3.70	4.28	3.64	3.47	3.27	2.89	2.65	
25	2.66	2.61	3.27	3.77	3.72	3.67	4.18	3.64	3.47	3.26	2.88	2.64	
26	2.66	2.65	3.14	3.74	3.70	3.65	4.08	3.64	3.46	3.26	2.88	2.65	
27	2.65	2.67	3.14	3.71	3.70	3.62	4.02	3.64	3.46	3.25	2.86	2.65	
28	2.65	2.67	3.18	3.69	3.71	3.60	3.96	3.64	3.45	3.23	2.87	2.64	
29	2.63	2.69	3.21	3.68	3.74	3.64	3.91	3.64	3.44	3.20		2.63	
30	2.63	2.70	3.24	3.66	3.75	3.67	3.87	3.64	3.43	3.19		2.62	
31		2.72		3.66	3.75		3.83		3.43	3.17		2.61	
MEAN	2.73	2.63	3.62	3.65	3.64	3.95	4.03	3.68	3.54	3.32	2.99	2.73	
MAX	2.85	2.72	5.62	4.17	3.75	4.66	4.73	3.81	3.68	3.42	3.15	2.86	5.62
MIN	2.63	2.59	2.73	3.25	3.56	3.60	3.68	3.64	3.43	3.17	2.86	2.61	2.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.63 M (A.D), AT 6.00 HOURS, ON JUN 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.36 M (A.D)
LEFT BANK ELEVATION 8.87 M (A.D)
RIGHT BANK ELEVATION 8.89 M (A.D), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.00	0.00	2.49	7.24	8.50	7.52	9.36	6.96	4.22	1.65	0.13	
2	0.10	0.00	0.00	2.67	7.24	8.50	7.94	9.06	6.96	4.22	1.57	0.13	
3	0.08	0.00	0.00	2.86	7.10	8.22	8.08	8.78	7.52	4.11	1.42	0.10	
4	0.06	0.00	0.00	2.77	7.24	9.20	8.36	8.64	6.68	4.00	1.35	0.08	
5	0.04	0.00	0.00	2.95	7.10	10.64	8.36	8.36	6.68	3.90	1.21	0.08	
6	0.02	0.00	0.00	2.95	6.82	10.64	8.64	8.08	6.54	3.90	1.15	0.06	
7	0.00	0.00	0.00	3.05	6.54	10.80	9.06	7.94	6.40	3.90	1.09	0.04	
8	0.00	0.00	0.00	3.47	6.27	13.18	9.20	7.94	6.27	3.68	1.03	0.02	
9	0.00	0.00	0.00	3.58	6.27	21.25	9.20	7.80	6.14	3.68	0.97	0.02	
10	0.00	0.00	0.00	3.58	6.14	26.16	9.06	7.80	6.14	3.68	0.84	0.00	
11	0.00	0.00	6.01	3.79	6.14	27.28	9.36	7.66	6.01	3.58	0.78	0.00	
12	0.00	0.00	58.92	7.24	6.01	26.16	9.52	7.52	5.88	3.58	0.78	0.00	
13	0.00	0.00	61.44	11.99	5.88	22.00	9.84	7.38	5.88	3.47	0.72	0.00	
14	0.00	0.00	54.80	15.53	6.01	18.50	11.14	7.38	5.75	3.37	0.62	0.00	
15	0.00	0.00	46.65	15.15	6.14	15.72	13.18	7.38	5.62	3.26	0.19	0.00	
16	0.00	0.00	34.29	14.03	6.14	14.03	14.58	7.38	5.62	3.16	0.48	0.00	
17	0.00	0.00	25.60	11.99	6.14	11.65	16.86	7.38	5.49	3.05	0.44	0.00	
18	0.00	0.00	19.50	10.97	6.01	10.32	20.00	7.24	5.49	2.95	0.39	0.00	
19	0.00	0.00	15.72	10.00	6.14	10.00	26.44	7.24	5.36	2.95	0.35	0.00	
20	0.00	0.00	10.97	9.52	6.14	9.36	29.33	7.10	5.23	2.86	0.30	0.00	
21	0.00	0.00	8.50	9.52	6.27	9.06	27.00	7.10	5.10	2.77	0.26	0.00	
22	0.00	0.00	6.82	9.36	7.10	8.50	23.78	6.96	4.99	2.77	0.19	0.00	
23	0.00	0.00	5.23	9.20	7.94	8.08	21.50	6.96	4.99	2.67	0.21	0.00	
24	0.00	0.00	4.00	9.06	8.22	7.80	17.62	6.96	4.77	2.67	0.19	0.00	
25	0.00	0.00	2.67	8.78	8.08	7.38	15.72	6.96	4.77	2.58	0.17	0.00	
26	0.00	0.00	1.57	8.36	7.80	7.10	13.86	6.96	4.66	2.58	0.17	0.00	
27	0.00	0.00	1.57	7.94	7.80	6.68	12.84	6.96	4.66	2.49	0.13	0.00	
28	0.00	0.00	1.88	7.66	7.94	6.40	11.82	6.96	4.55	2.31	0.15	0.00	
29	0.00	0.00	2.12	7.52	8.36	6.96	10.97	6.96	4.44	2.03		0.00	
30	0.00	0.00	2.40	7.24	8.50	7.38	10.32	6.96	4.33	1.95		0.00	
31		0.00		7.24	8.50		9.68		4.33	1.80		0.00	
TOTAL	0.40	0.00	370.66	232.46	215.22	367.45	420.78	227.16	174.21	98.14	18.80	0.66	2125.94 CMSDAY
MEAN	0.01	0.00	12.36	7.50	6.94	12.25	13.57	7.57	5.62	3.17	0.67	0.02	5.82 CMS
MAX	0.10	0.00	61.44	15.53	8.50	27.28	29.33	9.36	7.52	4.22	1.65	0.13	61.44 CMS
MIN	0.00	0.00	0.00	2.49	5.88	6.40	7.52	6.96	4.33	1.80	0.13	0.00	0.00 CMS
RUNOFF	0.035	0.000	32.025	20.085	18.595	31.748	36.355	19.627	15.052	8.479	1.624	0.057	183.681 MCM

MOMENTARY PEAK 61.86 CMS, AT 5.63 M (A.D), AT 6.00 HOURS, ON JUN 13, 1984
RUNOFF YIELD 5.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 53.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MUN RIVER BASIN

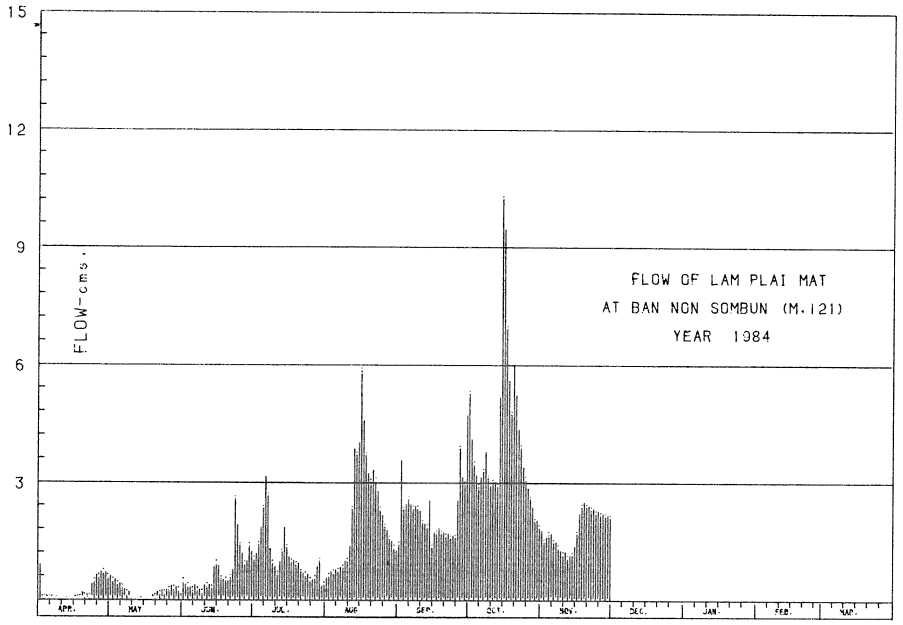
HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION	LAT. 14-18-27 N., LONG. 102-26-22 E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.
DRAINAGE AREA	487 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+231.55 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 46 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+243.379 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 72 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	231.98	232.56	232.01	232.25	232.52	232.39	233.67	232.49	232.63	232.44	232.40	232.52	
2	232.01	232.52	231.93	232.28	232.60	232.59	233.58	232.41	232.65	232.44	232.39	232.54	
3	232.03	232.49	231.95	232.39	232.63	232.67	233.51	232.43	232.67	232.43	232.41	232.55	
4	232.00	232.45	231.89	232.51	232.66	232.69	233.45	232.48	232.67	232.42	232.46	232.55	
5	232.00	232.41	231.90	232.68	232.66	232.75	233.41	232.46	232.67	232.42	232.49	232.55	
6	231.99	232.38	231.92	232.89	232.68	232.69	233.44	232.41	232.66	232.42	232.52	232.55	
7	231.97	232.25	231.90	232.77	232.69	232.68	233.48	232.39	232.66	232.41	232.55	232.55	
8	231.95	232.22	231.86	232.33	232.73	232.68	233.54	232.36	232.65	232.40	232.57	232.56	
9	231.93	232.16	231.86	232.21	232.78	232.68	233.45	232.31	232.64	232.39	232.60	232.56	
10	231.91	231.81	231.92	232.14	232.82	232.64	233.40	232.30	232.64	232.39	232.61	232.57	
11	231.90	231.81	231.95	232.09	232.95	232.57	233.43	232.30	232.63	232.39	232.63	232.57	
12	231.89	231.84	231.93	232.19	233.28	232.54	233.42	232.26	232.60	232.39	232.64	232.57	
13	231.88	231.92	231.92	232.32	233.55	232.53	233.41	232.26	232.58	232.40	232.59	232.57	
14	231.93	231.93	232.10	232.51	233.54	232.71	233.66	232.29	232.56	232.40	232.51	232.56	
15	231.99	231.92	232.21	232.36	233.57	232.96	234.40	232.35	232.55	232.41	232.47	232.52	
16	232.00	231.88	232.15	232.25	233.53	233.08	234.24	232.48	232.54	232.41	232.45	232.43	
17	232.01	231.87	232.03	232.20	233.21	233.10	233.75	232.62	232.53	232.40	232.42	232.38	
18	232.03	231.89	231.99	232.21	233.04	233.12	233.46	232.69	232.52	232.38	232.41	232.35	
19	232.15	232.05	232.02	232.19	232.91	233.10	233.29	232.71	232.52	232.39	232.40	232.33	
20	232.10	232.13	231.97	232.18	232.87	233.08	233.55	232.69	232.51	232.38	232.41	232.31	
21	232.09	232.17	232.05	232.11	232.93	233.07	233.40	232.68	232.50	232.38	232.44	232.28	
22	232.09	232.20	232.11	232.07	232.88	233.07	233.19	232.67	232.50	232.37	232.46	232.29	
23	232.39	232.22	232.75	232.08	232.79	233.05	233.09	232.66	232.49	232.36	232.48	232.34	
24	232.51	232.22	232.53	232.06	232.67	233.05	232.95	232.64	232.48	232.35	232.48	232.38	
25	232.57	232.23	232.38	232.02	232.61	233.06	232.89	232.64	232.48	232.36	232.49	232.40	
26	232.59	232.32	232.28	231.99	232.54	233.32	232.81	232.63	232.48	232.38	232.51	232.44	
27	232.63	232.35	232.20	232.04	232.49	233.56	232.75	232.62	232.47	232.37	232.52	232.45	
28	232.67	232.35	232.20	232.14	232.44	233.44	232.67	232.62	232.47	232.38	232.53	232.45	
29	232.62	232.31	232.38	232.23	232.40	233.42	232.58	232.61	232.47	232.38		232.47	
30	232.59	232.12	232.30	232.34	232.36	233.63	232.57	232.61	232.45	232.39		232.47	
31		232.08		232.44	232.31		232.53		232.45	232.40		232.48	
MEAN	232.15	232.16	232.09	232.27	232.83	232.93	233.32	232.50	232.56	232.39	232.49	232.47	
MAX	232.67	232.56	232.75	232.89	233.57	233.63	234.40	232.71	232.67	232.44	232.64	232.57	234.40
MIN	231.88	231.81	231.86	231.99	232.31	232.39	232.53	232.26	232.45	232.35	232.39	232.28	231.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 234.51 M (MSL), AT 23.00 HOURS, ON OCT 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 231.55 M (MSL), RIVER BED 231.44 M (MSL)
LEFT BANK ELEVATION 231.86 M (MSL)
RIGHT BANK ELEVATION 237.12 M (MSL), DRAINAGE AREA 487 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	0.62	0.56	1.12	0.57	1.49	5.34	1.79	0.00	0.00	0.00	0.00	
2	0.11	0.57	0.40	1.19	0.69	3.56	4.10	1.55	0.00	0.00	0.00	0.00	
3	0.12	0.53	0.44	1.49	0.73	2.38	3.54	1.61	0.00	0.00	0.00	0.00	
4	0.10	0.48	0.32	1.85	0.78	2.45	3.19	1.76	0.00	0.00	0.00	0.00	
5	0.10	0.43	0.34	2.41	0.78	2.65	2.97	1.70	0.00	0.00	0.00	0.00	
6	0.10	0.40	0.38	3.16	0.81	2.45	3.14	1.55	0.00	0.00	0.00	0.00	
7	0.09	0.28	0.34	2.72	0.84	2.41	3.35	1.49	0.00	0.00	0.00	0.00	
8	0.08	0.25	0.27	1.32	0.90	2.41	3.78	1.41	0.00	0.00	0.00	0.00	
9	0.07	0.20	0.27	1.02	1.00	2.41	3.19	1.27	0.00	0.00	0.00	0.00	
10	0.06	0.02	0.38	0.86	1.08	2.28	2.92	1.24	0.00	0.00	0.00	0.00	
11	0.06	0.02	0.44	0.74	1.38	2.04	3.08	1.24	0.00	0.00	0.00	0.00	
12	0.06	0.04	0.40	0.98	2.39	1.95	3.03	1.14	0.00	0.00	0.00	0.00	
13	0.05	0.07	0.38	1.30	3.86	1.92	2.97	1.14	0.00	0.00	0.00	0.00	
14	0.07	0.07	0.86	1.85	3.78	2.54	5.18	1.22	0.00	0.00	0.00	0.00	
15	0.10	0.07	1.02	1.41	4.02	1.41	10.30	1.38	0.00	0.00	0.00	0.00	
16	0.10	0.05	0.88	1.12	5.92	1.73	9.47	1.76	0.00	0.00	0.00	0.00	
17	0.11	0.05	0.61	1.05	4.58	1.78	6.99	2.21	0.00	0.00	0.00	0.00	
18	0.12	0.06	0.52	1.02	3.76	1.84	5.60	2.45	0.00	0.00	0.00	0.00	
19	0.19	0.13	0.58	0.98	3.24	1.78	4.81	2.51	0.00	0.00	0.00	0.00	
20	0.16	0.16	0.48	0.95	3.09	1.73	6.01	2.45	0.00	0.00	0.00	0.00	
21	0.15	0.21	0.65	0.78	3.32	1.70	5.32	2.41	0.00	0.00	0.00	0.00	
22	0.15	0.23	0.78	0.69	3.12	1.70	4.36	2.38	0.00	0.00	0.00	0.00	
23	0.41	0.25	2.65	0.72	2.79	1.65	3.96	2.34	0.00	0.00	0.00	0.00	
24	0.55	0.25	1.92	0.67	2.38	1.65	3.40	2.28	0.00	0.00	0.00	0.00	
25	0.64	0.26	1.46	0.58	2.17	1.67	3.16	2.28	0.00	0.00	0.00	0.00	
26	0.67	0.34	1.19	0.52	1.95	2.55	2.86	2.24	0.00	0.00	0.00	0.00	
27	0.73	0.37	1.00	0.63	1.79	3.94	2.65	2.21	0.00	0.00	0.00	0.00	
28	0.79	0.37	1.00	0.86	1.64	3.14	2.38	2.21	0.00	0.00	0.00	0.00	
29	0.71	0.33	1.46	1.07	1.52	3.03	2.08	2.17	0.00	0.00		0.00	
30	0.67	0.33	1.24	0.36	1.41	4.72	2.04	2.17	0.00	0.00		0.00	
31		0.15		0.47	1.27		1.92		0.00	0.00		0.00	
TOTAL	8.22	7.59	23.22	35.89	67.56	68.96	127.09	55.56	0.00	0.00	0.00	0.00	394.09 CMSDAY
MEAN	0.27	0.24	0.77	1.16	2.18	2.30	4.10	1.85	0.00	0.00	0.00	0.00	1.08 CMS
MAX	0.90	0.62	2.65	3.16	5.92	4.72	10.30	2.51	0.00	0.00	0.00	0.00	10.30 CMS
MIN	0.05	0.02	0.27	0.36	0.57	1.41	1.92	1.14	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.710	0.656	2.006	3.101	5.837	5.958	10.981	4.800	0.000	0.000	0.000	0.000	34.049 MCM

MOMENTARY PEAK 10.89 CMS, AT 234.51 M (MSL), AT 23.00 HOURS, ON OCT 15, 1984

RUNOFF YIELD 2.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

TONLE SAP BASIN

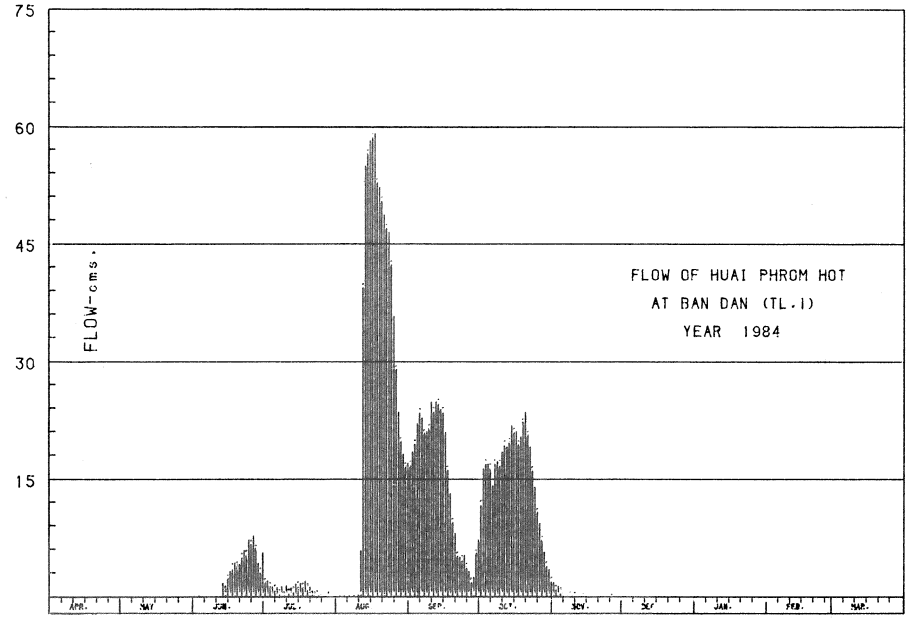
HUAI PHROM HOT AT BAN DAN, PRACHIN BURI (TL.1)

LOCATION	LAT. 13-43-12 N., LONG. 102-28-06 E., ON LEFT BANK NEAR THE BRIDGE OF PRACHIN BURI-ARANYAPRATHET HIGHWAY, ABOUT 7 KILOMETERS WEST OF ARANYAPRATHET, AMPHOE ARANYAPRATHET, PRACHIN BURI.
DRAINAGE AREA	571 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+6.02 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964-1965, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964-1965, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.03	1.01	1.31	2.06	1.27	4.18	3.60	1.93	1.36	1.07	1.06	1.03	
2	1.03	1.01	1.26	1.98	1.30	4.30	4.07	1.84	1.42	1.07	1.05	1.04	
3	1.03	1.01	1.35	1.93	1.30	4.45	4.20	1.80	1.38	1.07	1.05	1.05	
4	1.02	1.02	1.43	1.78	1.30	4.65	4.14	1.75	1.36	1.07	1.05	1.04	
5	1.02	1.02	1.45	1.85	1.27	4.81	4.14	1.54	1.35	1.07	1.05	1.05	
6	1.01	1.02	1.44	1.75	1.28	4.71	3.83	1.52	1.34	1.07	1.05	1.05	
7	1.01	1.01	1.41	1.67	1.28	4.58	4.20	1.53	1.32	1.07	1.05	1.05	
8	1.01	1.01	1.41	1.79	1.30	4.56	4.17	1.55	1.30	1.07	1.06	1.04	
9	1.01	1.01	1.41	1.56	1.30	4.64	4.19	1.54	1.25	1.07	1.07	1.04	
10	1.01	1.01	1.42	1.82	1.60	4.88	4.30	1.52	1.21	1.07	1.07	1.04	
11	1.01	1.03	1.42	1.70	2.73	4.82	4.44	1.43	1.20	1.07	1.07	1.04	
12	1.01	1.02	1.42	1.73	5.82	4.88	4.36	1.35	1.18	1.07	1.05	1.04	
13	1.01	1.04	2.04	1.79	6.43	4.91	4.47	1.41	1.15	1.07	1.04	1.04	
14	1.01	1.12	1.82	1.88	6.50	4.80	4.63	1.48	1.16	1.07	1.05	1.03	
15	1.01	1.13	2.16	1.95	6.54	4.82	4.60	1.46	1.13	1.07	1.05	1.03	
16	1.01	1.07	2.26	1.90	6.57	4.55	4.56	1.53	1.11	1.07	1.05	1.03	
17	1.01	1.06	2.45	1.91	6.57	4.11	4.44	1.38	1.13	1.07	1.05	1.03	
18	1.01	1.06	2.47	1.97	6.37	3.71	4.49	1.31	1.13	1.06	1.05	1.04	
19	1.01	1.15	2.49	1.89	6.33	3.31	4.70	1.29	1.12	1.06	1.04	1.04	
20	1.01	1.17	2.43	1.77	6.28	3.06	4.77	1.36	1.11	1.07	1.04	1.04	
21	1.00	1.16	2.68	1.60	6.19	2.70	4.56	1.45	1.12	1.08	1.05	1.04	
22	1.02	1.16	2.74	1.56	6.14	2.59	4.36	1.42	1.11	1.08	1.05	1.04	
23	1.03	1.16	2.74	1.62	6.10	2.63	4.10	1.40	1.10	1.08	1.05	1.05	
24	1.01	1.17	2.94	1.52	5.95	2.63	3.81	1.44	1.10	1.08	1.05	1.04	
25	1.01	1.16	2.93	1.42	5.61	2.45	3.47	1.50	1.10	1.07	1.05	1.04	
26	1.01	1.12	3.01	1.39	5.23	2.25	3.23	1.41	1.10	1.06	1.05	1.04	
27	1.01	1.11	2.84	1.39	4.77	2.07	3.00	1.37	1.08	1.06	1.05	1.04	
28	1.00	1.14	2.46	1.36	4.48	2.10	2.70	1.37	1.09	1.07	1.05	1.03	
29	1.00	1.16	2.33	1.31	4.27	2.75	2.49	1.37	1.08	1.08		1.04	
30	1.00	1.25	2.69	1.26	4.15	2.94	2.30	1.36	1.08	1.07		1.03	
31		1.29		1.29	4.15		2.10		1.07	1.06		1.03	
MEAN	1.01	1.09	2.07	1.69	4.21	3.79	3.95	1.49	1.19	1.07	1.05	1.04	
MAX	1.03	1.29	3.01	2.06	6.57	4.91	4.77	1.93	1.42	1.08	1.07	1.05	6.57
MIN	1.00	1.01	1.26	1.26	1.27	2.07	2.10	1.29	1.07	1.06	1.04	1.03	1.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.58 M (A.D), AT 18.00 HOURS, ON AUG 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 7.95 M (A.D)
RIGHT BANK ELEVATION 7.96 M (A.D), DRAINAGE AREA 571 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.16	2.34	0.12	17.32	12.30	1.82	0.24	0.00	0.00	0.00	
2	0.00	0.00	0.11	2.02	0.15	18.50	16.33	1.46	0.34	0.00	0.00	0.00	
3	0.00	0.00	0.23	1.82	0.15	20.00	17.50	1.30	0.27	0.00	0.00	0.00	
4	0.00	0.00	0.36	1.24	0.15	22.10	16.96	1.15	0.24	0.00	0.00	0.00	
5	0.00	0.00	0.40	1.50	0.12	24.02	16.96	0.58	0.23	0.00	0.00	0.00	
6	0.00	0.00	0.38	1.15	0.13	22.82	14.17	0.54	0.21	0.00	0.00	0.00	
7	0.00	0.00	0.32	0.91	0.13	21.30	17.50	0.56	0.18	0.00	0.00	0.00	
8	0.00	0.00	0.32	1.27	0.15	21.10	17.23	0.60	0.15	0.00	0.00	0.00	
9	0.00	0.00	0.32	0.62	0.15	21.98	17.41	0.58	0.10	0.00	0.00	0.00	
10	0.00	0.00	0.34	1.38	0.70	24.86	18.50	0.54	0.06	0.00	0.00	0.00	
11	0.00	0.00	0.34	1.00	5.88	24.14	19.90	0.36	0.05	0.00	0.00	0.00	
12	0.00	0.00	0.34	1.09	39.94	24.86	19.10	0.23	0.04	0.00	0.00	0.00	
13	0.00	0.00	2.26	1.27	54.97	25.22	20.20	0.32	0.02	0.00	0.00	0.00	
14	0.00	0.01	1.38	1.62	57.00	23.90	21.86	0.46	0.03	0.00	0.00	0.00	
15	0.00	0.01	2.80	1.90	58.20	24.14	21.50	0.42	0.01	0.00	0.00	0.00	
16	0.00	0.00	3.30	1.70	59.10	21.00	21.10	0.56	0.00	0.00	0.00	0.00	
17	0.00	0.00	4.25	1.74	59.10	16.69	19.90	0.27	0.01	0.00	0.00	0.00	
18	0.00	0.00	4.35	1.98	53.32	13.18	20.40	0.16	0.01	0.00	0.00	0.00	
19	0.00	0.02	4.45	1.66	52.28	9.98	22.70	0.14	0.01	0.00	0.00	0.00	
20	0.00	0.03	4.15	1.21	51.00	8.12	23.54	0.24	0.00	0.00	0.00	0.00	
21	0.00	0.03	5.58	0.70	48.75	5.70	21.10	0.40	0.01	0.00	0.00	0.00	
22	0.00	0.03	5.94	0.62	47.50	5.04	19.10	0.34	0.00	0.00	0.00	0.00	
23	0.00	0.03	5.94	0.76	46.50	5.28	16.60	0.30	0.00	0.00	0.00	0.00	
24	0.00	0.03	7.28	0.54	42.85	5.28	13.99	0.38	0.00	0.00	0.00	0.00	
25	0.00	0.03	7.21	0.34	35.79	4.25	11.26	0.50	0.00	0.00	0.00	0.00	
26	0.00	0.01	7.77	0.29	29.45	3.25	9.34	0.32	0.00	0.00	0.00	0.00	
27	0.00	0.00	6.58	0.29	23.54	2.38	7.70	0.26	0.00	0.00	0.00	0.00	
28	0.00	0.02	4.30	0.24	20.30	2.50	5.70	0.26	0.00	0.00	0.00	0.00	
29	0.00	0.03	3.65	0.16	18.20	6.00	4.45	0.26	0.00	0.00		0.00	
30	0.00	0.10	5.64	0.11	17.05	7.28	3.50	0.24	0.00	0.00		0.00	
31		0.14		0.14	17.05		2.50		0.00	0.00		0.00	
TOTAL	0.00	0.52	90.45	33.61	839.72	452.19	490.30	15.55	2.21	0.00	0.00	0.00	1924.55 CMSDAY
MEAN	0.00	0.02	3.02	1.08	27.09	15.07	15.82	0.52	0.07	0.00	0.00	0.00	5.27 CMS
MAX	0.00	0.14	7.77	2.34	59.10	25.22	23.54	1.82	0.34	0.00	0.00	0.00	59.10 CMS
MIN	0.00	0.00	0.11	0.11	0.12	2.38	2.50	0.14	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.045	7.815	2.904	72.552	39.069	42.362	1.344	0.191	0.000	0.000	0.000	166.281 MCM

MOMENTARY PEAK 59.40 CMS, AT 6.58 M (A.D), AT 18.00 HOURS, ON AUG 16, 1984

RUNOFF YIELD 9.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 104.03 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

THA CHIN RIVER BASIN

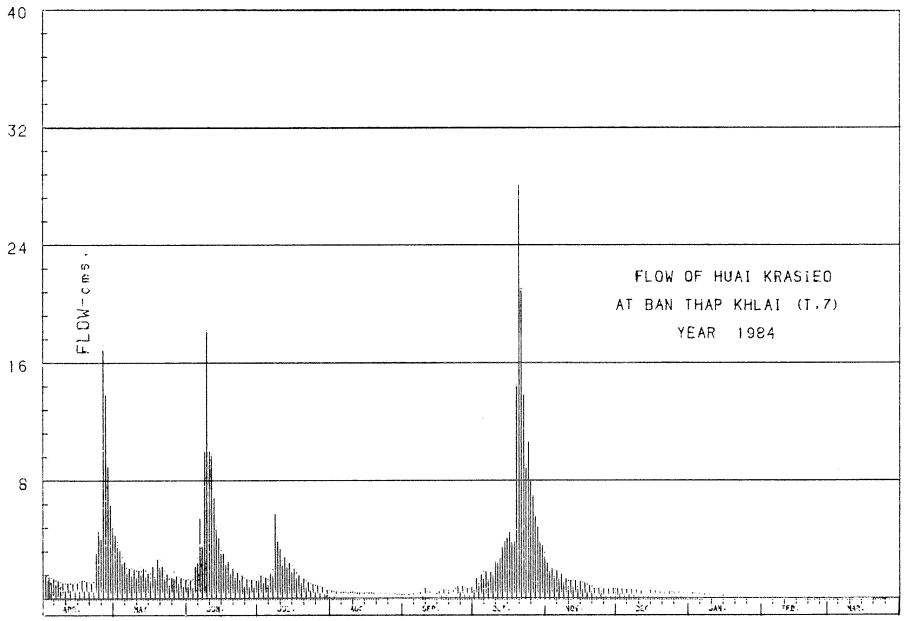
HUAI KRASIEO AT BAN THAP KHLAI, UTHAI THANI (T.7)

LOCATION	LAT. 15-03-06 N., LONG. 99-35-18 E., ON RIGHT BANK. IN THE VICINITY OF WAT THAP KHLAI AT BAN THAP KHLAI, AMPHOE BAN RAI, UTHAI THANI.
DRAINAGE AREA	607 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK UNDER THE COCONUT TREE AND ABOUT 50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+3.689 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	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 119 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.85	0.45	0.51	0.28	0.20	0.39	0.62	0.31	0.25	0.14	0.06	
2	0.50	0.80	0.44	0.50	0.27	0.19	0.46	0.60	0.32	0.23	0.14	0.06	
3	0.48	0.73	0.45	0.47	0.26	0.19	0.49	0.57	0.31	0.23	0.14	0.06	
4	0.47	0.67	0.59	0.47	0.25	0.21	0.51	0.55	0.31	0.21	0.14	0.06	
5	0.46	0.63	0.67	0.45	0.25	0.21	0.54	0.55	0.30	0.22	0.14	0.06	
6	0.44	0.58	0.97	0.52	0.25	0.21	0.54	0.53	0.31	0.21	0.13	0.06	
7	0.43	0.57	0.81	0.56	0.25	0.22	0.53	0.51	0.30	0.20	0.13	0.06	
8	0.42	0.57	1.38	1.00	0.24	0.24	0.53	0.48	0.30	0.21	0.13	0.06	
9	0.40	0.56	2.03	0.84	0.25	0.31	0.57	0.46	0.29	0.19	0.12	0.06	
10	0.40	0.55	1.38	0.74	0.25	0.32	0.63	0.43	0.27	0.18	0.11	0.06	
11	0.40	0.55	1.39	0.64	0.24	0.25	0.68	0.43	0.27	0.18	0.12	0.06	
12	0.40	0.59	1.11	0.67	0.23	0.26	0.66	0.43	0.27	0.17	0.11	0.05	
13	0.39	0.57	0.93	0.64	0.23	0.23	0.80	0.43	0.26	0.17	0.11	0.05	
14	0.40	0.55	0.83	0.62	0.23	0.22	0.80	0.44	0.26	0.17	0.10	0.05	
15	0.40	0.52	0.75	0.60	0.23	0.22	0.88	0.42	0.28	0.16	0.09	0.05	
16	0.42	0.52	0.70	0.57	0.24	0.26	0.87	0.41	0.27	0.15	0.09	0.05	
17	0.44	0.59	0.67	0.53	0.24	0.30	0.84	0.40	0.27	0.15	0.09	0.05	
18	0.43	0.55	0.63	0.50	0.24	0.30	0.80	0.38	0.26	0.15	0.09	0.05	
19	0.42	0.65	0.59	0.48	0.23	0.30	1.73	0.36	0.25	0.15	0.08	0.06	
20	0.41	0.65	0.57	0.46	0.23	0.28	2.58	0.35	0.25	0.18	0.08	0.06	
21	0.40	0.59	0.54	0.43	0.22	0.28	2.18	0.32	0.24	0.17	0.08	0.06	
22	0.42	0.55	0.53	0.41	0.23	0.29	1.67	0.31	0.24	0.17	0.08	0.06	
23	0.70	0.51	0.51	0.39	0.23	0.32	1.31	0.32	0.25	0.17	0.07	0.06	
24	0.93	0.46	0.50	0.38	0.22	0.35	1.43	0.33	0.25	0.17	0.07	0.14	
25	0.82	0.47	0.47	0.37	0.21	0.39	1.24	0.31	0.25	0.17	0.06	0.11	
26	1.92	0.54	0.45	0.36	0.21	0.35	1.12	0.32	0.25	0.16	0.06	0.10	
27	1.67	0.49	0.43	0.35	0.21	0.33	1.02	0.31	0.25	0.16	0.06	0.10	
28	1.32	0.48	0.44	0.34	0.21	0.32	0.91	0.31	0.26	0.15	0.06	0.09	
29	1.06	0.47	0.44	0.33	0.20	0.31	0.84	0.32	0.24	0.15		0.08	
30	0.93	0.45	0.43	0.29	0.20	0.34	0.77	0.31	0.24	0.15		0.08	
31		0.45		0.29	0.20		0.71		0.23	0.15		0.08	
MEAN	0.63	0.57	0.74	0.51	0.23	0.27	0.94	0.42	0.27	0.18	0.10	0.07	
MAX	1.92	0.85	2.03	1.00	0.28	0.39	2.58	0.62	0.32	0.25	0.14	0.14	2.58
MIN	0.39	0.45	0.43	0.29	0.20	0.19	0.39	0.31	0.23	0.15	0.06	0.05	0.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.64 M (A.D), AT 13.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.16 M (A.D)
LEFT BANK ELEVATION 4.35 M (A.D)
RIGHT BANK ELEVATION 3.90 M (A.D), DRAINAGE AREA 607 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.62	4.35	1.36	1.69	0.58	0.32	1.05	2.46	0.69	0.48	0.20	0.07	
2	1.62	3.90	1.31	1.62	0.54	0.30	1.41	2.30	0.73	0.42	0.20	0.07	
3	1.52	3.34	1.36	1.46	0.51	0.30	1.57	2.10	0.69	0.42	0.20	0.07	
4	1.46	2.86	2.23	1.46	0.48	0.35	1.69	1.96	0.69	0.35	0.20	0.07	
5	1.41	2.54	2.86	1.36	0.48	0.35	1.89	1.96	0.64	0.38	0.20	0.07	
6	1.31	2.16	5.50	1.76	0.48	0.35	1.89	1.82	0.69	0.35	0.18	0.07	
7	1.26	2.10	3.99	2.03	0.48	0.38	1.82	1.69	0.64	0.32	0.18	0.07	
8	1.20	2.10	10.06	5.80	0.45	0.45	1.82	1.52	0.64	0.35	0.18	0.07	
9	1.10	2.03	18.54	4.26	0.48	0.69	2.10	1.41	0.61	0.30	0.16	0.07	
10	1.10	1.96	10.06	3.42	0.48	0.73	2.54	1.26	0.54	0.28	0.14	0.07	
11	1.10	1.96	10.18	2.62	0.45	0.48	2.94	1.26	0.54	0.28	0.16	0.07	
12	1.10	2.23	6.91	2.86	0.42	0.51	2.78	1.26	0.54	0.26	0.14	0.06	
13	1.05	2.10	5.10	2.62	0.42	0.42	3.90	1.26	0.51	0.26	0.14	0.06	
14	1.10	1.96	4.17	2.46	0.42	0.38	3.90	1.31	0.51	0.26	0.12	0.06	
15	1.10	1.76	3.50	2.30	0.42	0.38	4.62	1.20	0.58	0.24	0.11	0.06	
16	1.20	1.76	3.10	2.10	0.45	0.51	4.53	1.15	0.54	0.22	0.11	0.06	
17	1.31	2.23	2.86	1.82	0.45	0.64	4.26	1.10	0.54	0.22	0.11	0.06	
18	1.26	1.96	2.54	1.62	0.45	0.64	3.90	1.01	0.51	0.22	0.11	0.06	
19	1.20	2.70	2.23	1.52	0.42	0.64	14.72	0.92	0.48	0.22	0.10	0.07	
20	1.15	2.70	2.10	1.41	0.42	0.58	28.16	0.87	0.48	0.28	0.10	0.07	
21	1.10	2.23	1.89	1.26	0.38	0.58	21.24	0.73	0.45	0.26	0.10	0.07	
22	1.20	1.96	1.82	1.15	0.42	0.61	13.88	0.69	0.45	0.26	0.10	0.07	
23	3.10	1.69	1.69	1.05	0.42	0.73	9.22	0.73	0.48	0.26	0.08	0.07	
24	5.10	1.41	1.62	1.01	0.38	0.87	10.69	0.78	0.48	0.26	0.08	0.20	
25	4.08	1.46	1.46	0.96	0.35	1.05	8.38	0.69	0.48	0.26	0.07	0.14	
26	17.28	1.89	1.36	0.92	0.35	0.87	7.02	0.73	0.48	0.24	0.07	0.12	
27	13.88	1.57	1.26	0.87	0.35	0.78	6.00	0.69	0.48	0.24	0.07	0.12	
28	9.34	1.52	1.31	0.82	0.35	0.73	4.90	0.69	0.51	0.22	0.07	0.11	
29	6.40	1.46	1.31	0.78	0.32	0.69	4.26	0.73	0.45	0.22		0.10	
30	5.10	1.36	1.26	0.61	0.32	0.82	3.66	0.69	0.45	0.22		0.10	
31		1.36		0.61	0.32		3.18		0.42	0.22		0.10	
TOTAL	91.75	66.61	114.94	56.23	13.24	17.13	183.92	36.97	16.92	8.77	3.68	2.53	612.69 CMSDAY
MEAN	3.06	2.15	3.83	1.81	0.43	0.57	5.93	1.23	0.55	0.28	0.13	0.08	1.68 CMS
MAX	17.28	4.35	18.54	5.80	0.58	1.05	28.16	2.46	0.73	0.48	0.20	0.20	28.16 CMS
MIN	1.05	1.36	1.26	0.61	0.32	0.30	1.05	0.69	0.42	0.22	0.07	0.06	0.06 CMS
RUNOFF	7.927	5.755	9.931	4.858	1.144	1.480	15.891	3.194	1.462	0.758	0.318	0.219	52.936 MCM

MOMENTARY PEAK 29.18 CMS, AT 2.64 M (A.D), AT 13.00 HOURS, ON OCT 20, 1984

RUNOFF YIELD 2.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 48.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

NAKHON NAYOK RIVER BASIN

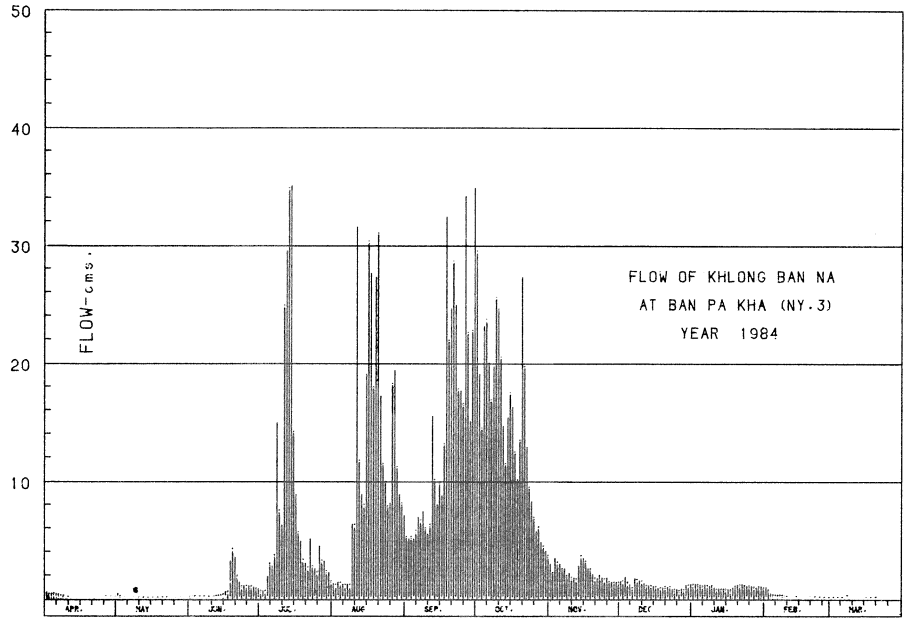
KHLONG BAN NA AT BAN PA KHA, NAKHON NAYOK (NY.3)

LOCATION	LAT. 14-17-07 N., LONG. 101-04-26 E., ON LEFT BANK NEAR WAT BAN PA KHA, TAMBON PA KHA, AMPHOE BAN NA, NAKHON NAYOK.
DRAINAGE AREA	203 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.168 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 - 1978, 1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 - 1978, 1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE DURING 1977-1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	0.70	0.60	0.78	0.91	1.40	3.05	1.14	0.94	0.90	0.84	0.52	
2	0.71	0.62	0.61	0.76	0.90	1.38	2.42	1.05	0.95	0.90	0.80	0.50	
3	0.71	0.59	0.61	0.78	0.93	1.40	2.12	1.20	1.00	0.90	0.70	0.52	
4	0.72	0.56	0.59	1.01	0.93	1.38	2.67	1.16	0.93	0.89	0.66	0.52	
5	0.70	0.53	0.59	1.15	0.90	1.45	2.71	1.14	0.89	0.87	0.65	0.52	
6	0.68	0.52	0.60	1.12	0.90	1.55	2.48	1.09	0.84	0.89	0.64	0.51	
7	0.65	0.52	0.60	1.24	0.90	1.53	2.28	1.09	0.98	0.88	0.66	0.53	
8	0.64	0.52	0.60	2.15	0.90	1.59	2.46	1.02	0.97	0.86	0.64	0.63	
9	0.61	0.52	0.58	1.60	1.50	1.47	2.82	1.04	0.95	0.88	0.61	0.59	
10	0.56	0.50	0.59	1.49	1.50	1.42	2.76	1.00	0.95	0.83	0.60	0.58	
11	0.55	0.50	0.60	2.78	3.17	1.50	2.51	0.99	0.91	0.81	0.56	0.56	
12	0.56	0.50	0.63	3.05	1.93	2.19	2.13	0.98	0.88	0.81	0.58	0.54	
13	0.54	0.49	0.64	3.36	1.71	1.81	1.91	1.12	0.87	0.81	0.60	0.52	
14	0.53	0.49	0.66	3.37	1.64	1.64	2.18	1.23	0.88	0.81	0.57	0.51	
15	0.52	0.48	0.70	2.10	2.42	1.79	2.32	1.20	0.86	0.81	0.50	0.51	
16	0.52	0.49	0.75	1.71	3.10	1.70	2.24	1.17	0.86	0.80	0.50	0.51	
17	0.51	0.50	0.77	1.44	2.94	2.03	1.98	1.09	0.82	0.80	0.56	0.51	
18	0.51	0.50	1.17	1.36	2.35	3.22	1.81	1.09	0.84	0.83	0.60	0.51	
19	0.50	0.51	1.30	1.19	2.92	2.60	2.05	1.03	0.83	0.87	0.58	0.52	
20	0.51	0.53	1.21	1.15	3.14	2.76	2.92	0.99	0.86	0.88	0.57	0.53	
21	0.50	0.56	1.02	1.11	2.30	3.00	2.46	0.98	0.84	0.89	0.57	0.51	
22	0.50	0.53	0.93	1.38	1.91	2.78	2.01	1.02	0.86	0.90	0.55	0.46	
23	0.53	0.52	0.87	1.12	1.80	2.34	1.76	0.99	0.79	0.88	0.55	0.48	
24	0.54	0.52	0.87	1.09	1.63	2.33	1.66	0.98	0.81	0.86	0.53	0.49	
25	0.59	0.52	0.88	1.06	1.65	2.26	1.55	0.99	0.80	0.87	0.53	0.50	
26	0.61	0.50	0.87	1.32	2.37	3.32	1.44	0.94	0.78	0.86	0.52	0.49	
27	0.60	0.51	0.87	1.18	2.44	2.64	1.48	0.93	0.81	0.85	0.52	0.49	
28	0.59	0.54	0.84	1.17	1.89	2.16	1.35	0.93	0.80	0.83	0.50	0.51	
29	0.57	0.52	0.83	1.07	1.71	2.65	1.32	0.93	0.88	0.86		0.50	
30	0.56	0.51	0.81	1.05	1.65	3.36	1.27	0.93	0.89	0.85		0.49	
31		0.50		0.95	1.56		1.23		0.90	0.84		0.49	
MEAN	0.59	0.53	0.77	1.49	1.82	2.09	2.11	1.05	0.88	0.86	0.60	0.52	
MAX	0.74	0.70	1.30	3.37	3.17	3.36	3.05	1.23	1.00	0.90	0.84	0.63	3.37
MIN	0.50	0.48	0.58	0.76	0.90	1.38	1.23	0.93	0.78	0.80	0.50	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.00 M (A.D), AT 18.00 HOURS, ON JUL 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.24 M (A.D)
LEFT BANK ELEVATION 6.75 M (A.D)
RIGHT BANK ELEVATION 6.73 M (A.D), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.50	0.30	0.78	1.36	5.35	29.55	3.02	1.54	1.30	1.03	0.22	
2	0.53	0.34	0.32	0.71	1.30	5.15	19.12	2.30	1.60	1.30	0.85	0.20	
3	0.53	0.29	0.32	0.78	1.48	5.35	14.54	3.50	1.90	1.30	0.50	0.22	
4	0.57	0.26	0.29	1.98	1.48	5.15	23.16	3.18	1.48	1.26	0.42	0.22	
5	0.50	0.23	0.29	3.10	1.30	5.88	23.81	3.02	1.26	1.17	0.40	0.22	
6	0.46	0.22	0.30	2.86	1.30	7.00	20.08	2.62	1.03	1.26	0.38	0.21	
7	0.40	0.22	0.30	3.84	1.30	6.76	16.94	2.62	1.78	1.21	0.42	0.23	
8	0.38	0.22	0.30	14.98	1.30	7.48	19.76	2.06	1.72	1.12	0.38	0.36	
9	0.32	0.22	0.28	7.60	6.40	6.09	25.64	2.22	1.60	1.21	0.32	0.29	
10	0.26	0.20	0.29	6.30	6.40	5.56	24.64	1.90	1.60	0.98	0.30	0.28	
11	0.25	0.20	0.30	24.97	31.59	6.40	20.56	1.84	1.36	0.90	0.26	0.26	
12	0.26	0.20	0.36	29.55	11.82	15.56	14.69	1.78	1.21	0.90	0.28	0.24	
13	0.24	0.19	0.38	34.90	8.93	10.19	11.54	2.86	1.17	0.90	0.30	0.22	
14	0.23	0.19	0.42	35.07	8.08	8.08	15.41	3.76	1.21	0.90	0.27	0.21	
15	0.22	0.18	0.50	14.25	19.12	9.93	17.56	3.50	1.12	0.90	0.20	0.21	
16	0.22	0.19	0.68	8.93	30.40	8.80	16.32	3.26	1.12	0.85	0.20	0.21	
17	0.21	0.20	0.74	5.77	27.68	13.23	12.52	2.62	0.94	0.85	0.26	0.21	
18	0.21	0.20	3.26	4.95	18.02	32.45	10.19	2.62	1.03	0.98	0.30	0.21	
19	0.20	0.21	4.35	3.42	27.34	22.00	13.52	2.14	0.98	1.17	0.28	0.22	
20	0.21	0.23	3.59	3.10	31.08	24.64	27.34	1.84	1.12	1.21	0.27	0.23	
21	0.20	0.26	2.06	2.78	17.25	28.70	19.76	1.78	1.03	1.26	0.27	0.21	
22	0.20	0.23	1.48	5.15	11.54	24.97	12.94	2.06	1.12	1.30	0.25	0.16	
23	0.23	0.22	1.17	2.86	10.05	17.87	9.55	1.84	0.82	1.21	0.25	0.18	
24	0.24	0.22	1.17	2.62	7.96	17.71	8.32	1.78	0.90	1.12	0.23	0.19	
25	0.29	0.22	1.21	2.38	8.20	16.63	7.00	1.84	0.85	1.17	0.23	0.20	
26	0.32	0.20	1.17	4.55	18.33	34.20	5.77	1.54	0.78	1.12	0.22	0.19	
27	0.30	0.21	1.17	3.34	19.44	22.66	6.19	1.48	0.90	1.08	0.22	0.19	
28	0.29	0.24	1.03	3.26	11.27	15.12	4.85	1.48	0.85	0.98	0.20	0.21	
29	0.27	0.22	0.98	2.46	8.93	22.83	4.55	1.48	1.21	1.12		0.20	
30	0.26	0.21	0.90	2.30	8.20	34.90	4.09	1.48	1.26	1.08		0.19	
31		0.20		1.60	7.12		3.76		1.30	1.03		0.19	
TOTAL	9.44	7.12	29.91	241.14	365.97	446.64	463.67	69.42	37.79	34.14	9.49	6.78	1721.51 CMSDAY
MEAN	0.31	0.23	1.00	7.78	11.81	14.89	14.96	2.31	1.22	1.10	0.34	0.22	4.72 CMS
MAX	0.64	0.50	4.35	35.07	31.59	34.90	29.55	3.76	1.90	1.30	1.03	0.36	35.07 CMS
MIN	0.20	0.18	0.28	0.71	1.30	5.15	3.76	1.48	0.78	0.85	0.20	0.16	0.16 CMS
RUNOFF	0.816	0.615	2.584	20.834	31.620	38.590	40.061	5.998	3.265	2.950	0.820	0.586	148.738 MCM

MOMENTARY PEAK 46.65 CMS, AT 4.00 M (A.D), AT 18.00 HOURS, ON JUL 13, 1984
RUNOFF YIELD 23.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 229.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

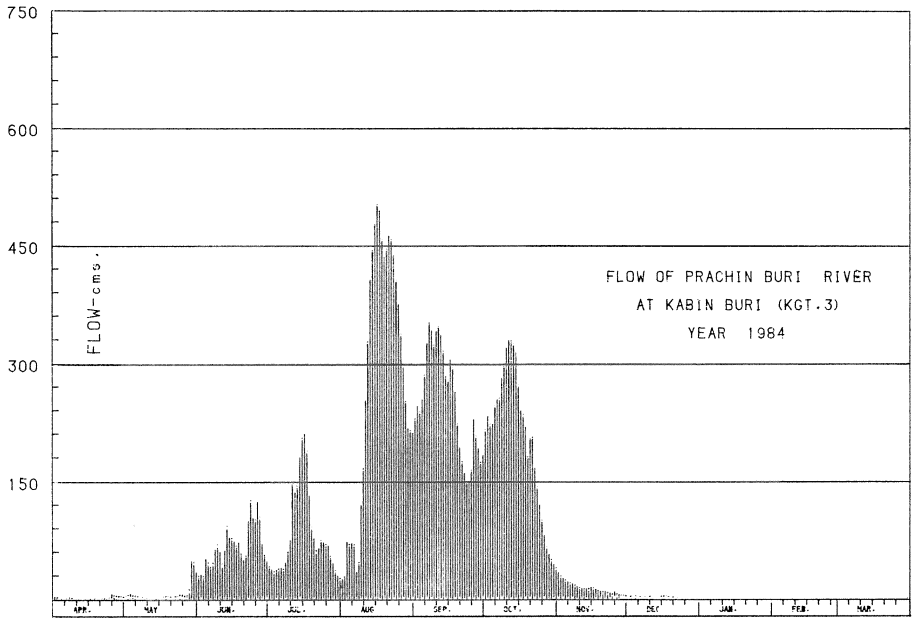
PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13-59-05 N., LONG. 101-42-32 E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.49 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE.
ELEVATION	+10.795 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1941 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1941-1943, 1945, 1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1941-1943, 1945, 1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 47 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.77	1.79	2.13	1.65	5.59	5.87	2.40	1.25	0.77	0.64	0.45	
2	0.69	0.88	1.84	2.02	1.76	5.83	6.13	2.28	1.23	0.76	0.62	0.44	
3	0.63	0.94	1.79	1.96	2.87	5.72	6.15	2.18	1.22	0.74	0.60	0.45	
4	0.68	0.85	2.37	2.02	2.81	5.95	5.97	2.11	1.26	0.72	0.58	0.47	
5	0.66	0.81	2.26	2.06	2.83	6.40	6.33	2.04	1.23	0.71	0.58	0.46	
6	0.61	0.78	2.13	2.08	2.80	6.95	6.44	2.00	1.20	0.69	0.55	0.46	
7	0.67	0.71	2.26	2.05	1.93	7.28	6.47	1.94	1.19	0.68	0.53	0.45	
8	0.63	0.67	2.66	2.26	2.27	7.15	6.83	1.89	1.20	0.67	0.52	0.44	
9	0.61	0.64	2.81	2.60	3.80	6.92	7.09	1.81	1.22	0.66	0.51	0.42	
10	0.60	0.61	2.59	2.92	4.60	7.14	7.36	1.78	1.22	0.65	0.51	0.41	
11	0.56	0.61	2.22	4.27	5.93	7.23	7.52	1.71	1.17	0.65	0.51	0.40	
12	0.53	0.61	2.63	4.09	6.98	7.08	7.49	1.72	1.15	0.64	0.52	0.41	
13	0.52	0.57	3.30	4.24	7.91	6.82	7.43	1.70	1.14	0.63	0.51	0.41	
14	0.52	0.71	2.99	4.83	8.33	6.38	7.28	1.73	1.17	0.62	0.50	0.41	
15	0.53	0.65	2.98	5.21	8.68	6.31	6.71	1.77	1.24	0.61	0.51	0.41	
16	0.54	0.64	2.89	5.29	8.93	6.67	6.23	1.76	1.26	0.60	0.50	0.41	
17	0.57	0.73	2.77	4.96	8.85	6.53	6.16	1.67	1.24	0.59	0.50	0.40	
18	0.58	0.79	2.85	4.02	8.48	6.09	5.91	1.62	1.21	0.58	0.49	0.38	
19	0.56	0.78	2.54	3.27	8.23	5.49	5.33	1.57	1.21	0.60	0.49	0.36	
20	0.54	0.73	2.33	2.97	8.35	5.02	5.69	1.56	1.16	0.59	0.51	0.36	
21	0.56	0.72	2.48	2.64	8.53	4.74	5.72	1.56	1.15	0.58	0.50	0.34	
22	0.57	0.76	3.42	2.69	8.48	4.50	5.10	1.52	1.13	0.57	0.49	0.39	
23	0.58	0.77	3.92	2.93	8.26	4.32	4.71	1.46	1.09	0.57	0.48	0.37	
24	0.64	0.89	3.49	2.86	7.91	4.29	4.30	1.42	1.08	0.56	0.47	0.37	
25	0.92	0.90	3.46	2.81	7.56	4.57	3.93	1.54	1.03	0.56	0.46	0.38	
26	0.86	0.82	3.88	2.77	7.10	5.57	3.53	1.43	0.98	0.58	0.46	0.37	
27	0.81	0.85	3.53	2.47	6.53	5.25	3.22	1.36	0.92	0.57	0.49	0.36	
28	0.79	1.21	2.81	2.23	5.92	5.00	3.01	1.34	0.89	0.61	0.48	0.33	
29	0.75	2.30	2.50	2.00	5.40	4.73	2.84	1.32	0.85	0.62		0.33	
30	0.72	2.28	2.29	1.80	5.36	4.87	2.68	1.29	0.80	0.61		0.37	
31		1.93		1.70	5.31		2.58		0.77	0.62		0.50	
MEAN	0.64	0.90	2.73	2.97	5.95	5.88	5.55	1.72	1.12	0.63	0.52	0.40	
MAX	0.92	2.30	3.92	5.29	8.93	7.28	7.52	2.40	1.26	0.77	0.64	0.50	8.93
MIN	0.52	0.57	1.79	1.70	1.65	4.29	2.58	1.29	0.77	0.56	0.46	0.33	0.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.45 M (MSL), AT 18.00 HOURS, ON AUG 16, 1984
ZERO GAGE AT BOTTOM ELEVATION -0.49 M (MSL), RIVER BED -0.69 M (MSL)
LEFT BANK ELEVATION 9.37 M (MSL)
RIGHT BANK ELEVATION 9.42 M (MSL), DRAINAGE AREA 7502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	4.55	30.18	42.14	25.75	230.35	249.16	52.80	14.50	4.55	2.60	0.75	
2	3.35	6.20	31.86	38.12	29.22	246.44	267.10	48.00	13.98	4.40	2.30	0.70	
3	2.45	7.30	30.18	36.00	73.29	239.04	268.50	44.04	13.72	4.10	2.00	0.75	
4	3.20	5.75	51.60	38.12	70.47	254.60	255.96	41.38	14.76	3.80	1.80	0.85	
5	2.90	5.15	47.20	39.56	71.41	286.00	281.10	38.84	13.98	3.65	1.80	0.80	
6	2.15	4.70	42.14	40.28	70.00	326.25	288.80	37.40	13.20	3.35	1.50	0.80	
7	3.05	3.65	47.20	39.20	34.95	352.40	290.90	35.30	12.96	3.20	1.30	0.75	
8	2.45	3.05	63.70	47.20	47.60	342.00	317.25	33.56	13.20	3.05	1.20	0.70	
9	2.15	2.60	70.47	61.00	120.00	324.00	337.20	30.84	13.72	2.90	1.10	0.60	
10	2.00	2.15	60.58	75.66	166.80	341.20	358.80	29.86	13.72	2.75	1.10	0.55	
11	1.60	2.15	45.60	146.86	253.24	348.40	372.20	27.62	12.48	2.75	1.10	0.50	
12	1.30	2.15	62.35	136.43	328.50	336.40	369.65	27.94	12.00	2.60	1.20	0.55	
13	1.20	1.70	94.00	145.12	406.90	316.50	364.55	27.30	11.76	2.45	1.10	0.55	
14	1.20	3.65	79.02	181.12	444.70	284.60	352.40	28.26	12.48	2.30	1.00	0.55	
15	1.30	2.75	78.54	205.55	478.00	279.70	308.25	29.54	14.24	2.15	1.10	0.55	
16	1.40	2.60	74.23	210.75	503.00	305.25	274.10	29.22	14.76	2.00	1.00	0.55	
17	1.70	3.95	68.65	189.44	495.00	295.10	269.20	26.37	14.24	1.90	1.00	0.50	
18	1.80	4.85	72.35	132.44	458.60	264.30	251.88	24.82	13.46	1.80	0.95	0.40	
19	1.60	4.70	58.48	92.53	435.70	223.80	213.35	23.33	13.46	2.00	0.95	0.30	
20	1.40	3.95	50.00	78.06	446.50	193.28	237.03	23.04	12.24	1.90	1.10	0.30	
21	1.60	3.80	56.00	62.80	463.35	175.48	239.04	23.04	12.00	1.80	1.00	0.20	
22	1.70	4.40	100.00	65.05	458.60	160.70	198.40	21.88	11.52	1.70	0.95	0.45	
23	1.80	4.55	126.74	76.14	438.40	149.80	173.62	20.18	10.57	1.70	0.90	0.35	
24	2.60	6.35	103.50	72.82	406.90	148.02	148.60	19.06	10.34	1.60	0.85	0.35	
25	6.90	6.50	102.00	70.47	375.60	164.97	127.31	22.46	9.19	1.60	0.80	0.40	
26	5.90	5.30	124.48	68.65	338.00	229.04	105.59	19.34	8.10	1.80	0.80	0.35	
27	5.15	5.75	105.59	55.60	295.10	208.15	90.08	17.42	6.90	1.70	0.95	0.30	
28	4.85	13.46	70.47	46.00	252.56	192.00	79.98	16.88	6.35	2.15	0.90	0.15	
29	4.25	48.80	56.80	37.40	217.90	174.86	71.88	16.34	5.75	2.30		0.15	
30	3.80	48.00	48.40	30.50	215.30	183.68	64.60	15.54	5.00	2.15		0.35	
31		34.95		27.30	212.05		60.16		4.55	2.30		1.00	
TOTAL	80.55	259.41	2052.31	2588.31	8633.39	7576.31	7286.64	851.60	359.13	78.40	34.35	16.05	29816.45 CMSDAY
MEAN	2.69	8.37	68.41	83.49	278.50	252.54	235.05	28.39	11.58	2.53	1.23	0.52	81.69 CMS
MAX	6.90	48.80	126.74	210.75	503.00	352.40	372.20	52.80	14.76	4.55	2.60	1.00	503.00 CMS
MIN	1.20	1.70	30.18	27.30	25.75	148.02	60.16	15.54	4.55	1.60	0.80	0.15	0.15 CMS
RUNOFF	6.960	22.413	177.320	223.630	745.925	654.593	629.566	73.578	31.029	6.774	2.968	1.387	2576.142 MCM

MOMENTARY PEAK 455.75 CMS, AT 8.45 M (MSL), AT 18.00 HOURS, ON AUG 16, 1984

RUNOFF YIELD 10.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 60.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

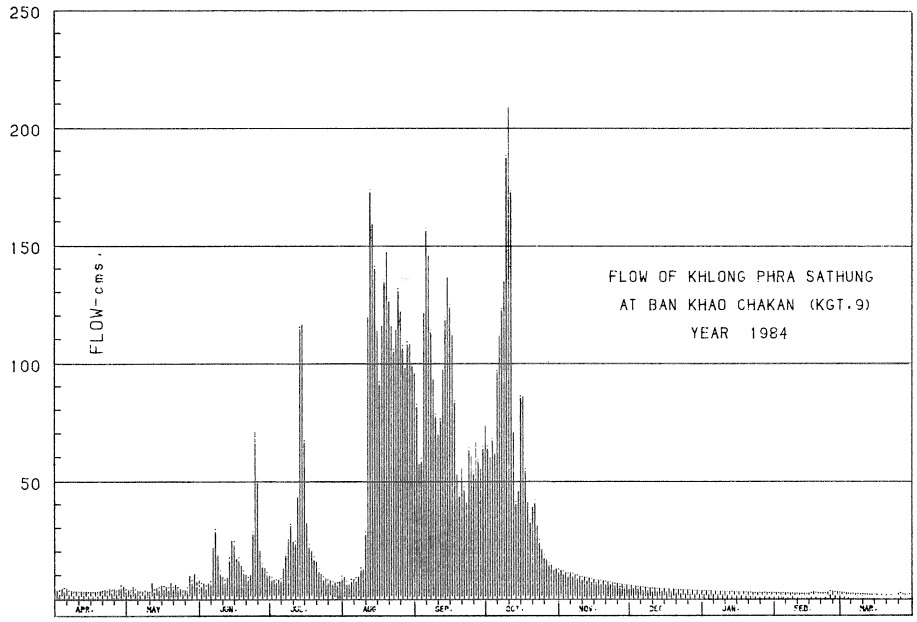
KHLONG PHRA SATHUNG AT BAN KHAO CHAKAN, PRACHIN BURI (KGT.9)

LOCATION	LAT. 13-40-10 N., LONG. 102-04-35 E., ON RIGHT BANK INFRONT OF WAT KHAO CHAKAN, BAN KHAO CHAKAN, AMPHOE SAKAEO, PRACHIN BURI.
DRAINAGE AREA	2,279 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+9.020 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967-1970, 1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1970
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1970
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 269 DISCHARGE MEASUREMENTS MADE DURING 1969-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	0.49	0.74	0.92	0.92	4.09	3.47	1.11	0.65	0.46	0.37	0.38	
2	0.49	0.50	0.73	0.84	0.80	3.17	3.28	1.09	0.64	0.45	0.37	0.37	
3	0.53	0.60	0.66	0.84	0.69	3.27	3.58	1.05	0.63	0.45	0.36	0.36	
4	0.58	0.53	0.72	0.84	0.86	5.29	3.34	1.03	0.62	0.45	0.36	0.35	
5	0.55	0.46	0.79	0.88	0.86	6.28	4.55	1.05	0.61	0.44	0.36	0.34	
6	0.48	0.44	1.64	1.16	0.91	5.97	5.00	1.03	0.60	0.44	0.35	0.34	
7	0.45	0.43	2.03	1.52	0.92	5.08	5.35	0.99	0.59	0.44	0.35	0.33	
8	0.44	0.48	1.48	1.83	1.18	4.43	5.67	0.98	0.58	0.43	0.35	0.33	
9	0.44	0.43	1.11	2.13	1.13	3.95	7.06	0.95	0.57	0.43	0.34	0.32	
10	0.43	0.43	0.93	1.77	1.98	3.64	7.53	0.94	0.56	0.43	0.34	0.32	
11	0.43	0.74	0.84	1.79	5.24	3.88	6.69	0.92	0.56	0.42	0.34	0.31	
12	0.42	0.54	0.90	2.61	6.70	4.56	3.67	0.90	0.55	0.42	0.33	0.31	
13	0.42	0.56	1.43	5.12	6.32	5.24	2.53	0.89	0.55	0.42	0.34	0.30	
14	0.42	0.61	1.79	5.15	5.85	5.72	2.71	0.87	0.54	0.41	0.33	0.30	
15	0.42	0.65	1.78	3.55	5.07	5.40	4.21	0.86	0.54	0.41	0.35	0.29	
16	0.41	0.64	1.40	2.14	4.40	5.01	4.20	0.84	0.53	0.41	0.37	0.29	
17	0.41	0.60	1.43	1.72	5.13	4.14	3.10	0.83	0.53	0.40	0.40	0.28	
18	0.42	0.60	1.23	1.57	5.70	3.00	2.52	0.82	0.52	0.40	0.38	0.28	
19	0.44	0.74	1.10	1.45	6.01	2.68	2.21	0.80	0.52	0.40	0.37	0.27	
20	0.46	0.60	0.99	1.33	5.47	3.10	2.43	0.79	0.51	0.39	0.36	0.27	
21	0.50	0.69	0.91	1.16	5.13	2.79	2.56	0.77	0.51	0.39	0.36	0.26	
22	0.45	0.60	0.98	1.01	4.83	2.52	2.09	0.76	0.50	0.38	0.36	0.26	
23	0.53	0.53	1.98	0.94	5.08	3.44	1.82	0.75	0.50	0.38	0.38	0.25	
24	0.51	0.48	3.68	0.88	5.59	3.30	1.61	0.73	0.49	0.37	0.45	0.30	
25	0.52	0.48	2.93	0.84	5.31	3.06	1.49	0.72	0.49	0.38	0.43	0.33	
26	0.48	0.59	1.58	0.82	4.88	3.52	1.38	0.71	0.48	0.38	0.41	0.37	
27	0.52	0.96	1.29	0.78	4.58	3.25	1.31	0.70	0.48	0.39	0.40	0.33	
28	0.67	0.83	1.17	0.75	4.93	3.10	1.25	0.68	0.47	0.38	0.39	0.30	
29	0.61	1.01	1.06	0.75	4.90	3.46	1.19	0.67	0.47	0.38		0.29	
30	0.53	0.91	0.96	0.78	4.64	3.77	1.15	0.66	0.46	0.38		0.32	
31		0.82		0.96	4.51		1.14		0.46	0.37		0.33	
MEAN	0.48	0.61	1.34	1.58	3.89	4.00	3.23	0.86	0.54	0.41	0.37	0.31	
MAX	0.67	1.01	3.68	5.15	6.70	6.28	7.53	1.11	0.65	0.46	0.45	0.38	7.53
MIN	0.41	0.43	0.66	0.75	0.69	2.52	1.14	0.66	0.46	0.37	0.33	0.25	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.57 M (A.D), AT 14.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.80 M (A.D)
LEFT BANK ELEVATION 10.38 M (A.D)
RIGHT BANK ELEVATION 9.89 M (A.D), DRAINAGE AREA 2279 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.60	3.90	6.96	9.48	9.48	82.70	65.19	12.36	5.80	3.60	2.70	2.80	
2	3.90	4.00	6.82	8.36	7.80	57.32	60.18	12.04	5.68	3.50	2.70	2.70	
3	4.36	5.20	5.92	8.36	6.28	59.92	68.24	11.40	5.56	3.50	2.60	2.60	
4	4.96	4.36	6.68	8.36	8.64	121.46	61.74	11.08	5.44	3.50	2.60	2.50	
5	4.60	3.60	7.66	8.92	8.64	157.64	97.20	11.40	5.32	3.40	2.60	2.40	
6	3.80	3.40	21.90	13.16	9.34	145.86	111.70	11.08	5.20	3.40	2.50	2.40	
7	3.50	3.30	29.86	19.55	9.48	114.34	123.50	10.46	5.08	3.40	2.50	2.30	
8	3.40	3.80	18.77	25.63	13.48	93.36	134.77	10.32	4.96	3.30	2.50	2.30	
9	3.40	3.30	12.36	32.06	12.68	78.60	188.40	9.90	4.84	3.30	2.40	2.20	
10	3.30	3.30	9.62	24.45	28.76	69.92	208.78	9.76	4.72	3.30	2.40	2.20	
11	3.30	6.96	8.36	24.84	119.76	76.64	173.61	9.48	4.72	3.20	2.40	2.10	
12	3.20	4.48	9.20	43.44	174.00	97.52	70.76	9.20	4.60	3.20	2.30	2.10	
13	3.20	4.72	17.79	115.68	159.18	119.76	41.52	9.06	4.60	3.20	2.40	2.00	
14	3.20	5.32	24.84	116.70	141.37	136.60	45.84	8.78	4.48	3.10	2.30	2.00	
15	3.20	5.80	24.65	67.40	114.01	125.20	86.32	8.64	4.48	3.10	2.50	1.92	
16	3.10	5.68	17.20	32.28	92.40	112.03	86.00	8.36	4.36	3.10	2.70	1.92	
17	3.10	5.20	17.79	23.47	116.02	84.20	55.50	8.22	4.36	3.00	3.00	1.84	
18	3.20	5.20	14.28	20.53	135.87	53.00	41.28	8.08	4.24	3.00	2.80	1.84	
19	3.40	6.96	12.20	18.18	147.38	45.12	33.84	7.80	4.24	3.00	2.70	1.76	
20	3.60	5.20	10.46	15.94	127.65	55.50	39.12	7.66	4.12	2.90	2.60	1.76	
21	4.00	6.28	9.34	13.16	116.02	47.76	42.24	7.38	4.12	2.90	2.60.	1.68	
22	3.50	5.20	10.32	10.76	106.16	41.28	31.18	7.24	4.00	2.80	2.60	1.68	
23	4.36	4.36	28.76	9.76	114.34	64.38	25.43	7.10	4.00	2.80	2.80	1.60	
24	4.12	3.80	71.04	8.92	131.85	60.70	21.32	6.82	3.90	2.70	3.50	2.00	
25	4.24	3.80	51.25	8.36	122.14	54.50	18.96	6.68	3.90	2.80	3.30	2.30	
26	3.80	5.08	20.73	8.08	107.76	66.56	16.84	6.54	3.80	2.80	3.10	2.70	
27	4.24	10.04	15.24	7.52	98.16	59.40	15.58	6.40	3.80	2.90	3.00	2.30	
28	6.04	8.22	13.32	7.10	109.39	55.50	14.60	6.16	3.70	2.80	2.90	2.00	
29	5.32	10.76	11.56	7.10	108.40	64.92	13.64	6.04	3.70	2.80		1.92	
30	4.36	9.34	10.04	7.52	100.08	73.56	13.00	5.92	3.60	2.80		2.20	
31		8.08		10.04	95.92		12.84		3.60	2.70		2.30	
TOTAL	115.30	168.64	524.92	735.11	2652.44	2475.25	2019.12	261.36	138.92	95.80	75.00	66.32	9328.18 CMSDAY
MEAN	3.84	5.44	17.50	23.71	85.56	82.51	65.13	8.71	4.48	3.09	2.68	2.14	25.56 CMS
MAX	6.04	10.76	71.04	116.70	174.00	157.64	208.78	12.36	5.80	3.60	3.50	2.80	208.78 CMS
MIN	3.10	3.30	5.92	7.10	6.28	41.28	12.84	5.92	3.60	2.70	2.30	1.60	1.60 CMS
RUNOFF	9.962	14.570	45.353	63.514	229.171	213.862	174.452	22.582	12.003	8.277	6.480	5.730	805.955 MCM

MOMENTARY PEAK 210.62 CMS, AT 7.57 M (A.D), AT 14.00 HOURS, ON OCT 10, 1984
RUNOFF YIELD 11.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 92.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

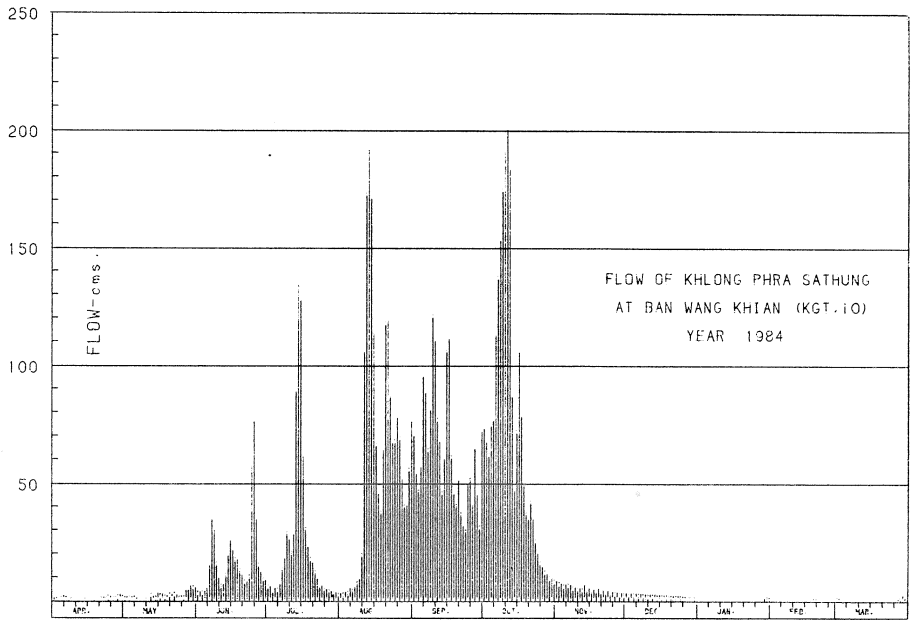
KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13-48-29 N., LONG. 102-03-35 E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+23.741 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE AUTOMATIC GAGE BUILDING.
ELEVATION	+34.652 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.96	25.03	25.37	25.70	25.22	29.89	30.03	25.84	25.23	24.98	24.95	24.99	
2	24.97	25.02	25.32	25.61	25.26	29.05	29.70	25.80	25.22	24.98	24.92	24.93	
3	24.96	25.08	25.38	25.48	25.30	28.69	29.49	25.74	25.22	24.97	24.88	24.95	
4	25.03	25.03	25.35	25.53	25.35	29.19	30.01	25.70	25.22	24.96	24.86	24.92	
5	25.10	25.08	25.52	25.52	25.52	30.91	30.17	25.72	25.22	24.96	24.86	24.88	
6	25.04	24.94	26.49	25.71	25.48	30.60	31.51	25.74	25.20	24.95	24.86	24.85	
7	24.98	24.93	28.02	26.40	25.56	29.58	32.38	25.69	25.20	24.94	24.86	24.84	
8	24.95	24.90	27.64	26.76	25.84	30.30	32.88	25.61	25.19	24.93	24.86	24.84	
9	24.92	24.97	26.63	27.60	25.94	31.83	33.60	25.56	25.17	24.91	24.89	24.86	
10	24.92	24.93	25.98	27.36	26.95	31.43	34.10	25.54	25.14	24.89	24.88	24.85	
11	24.92	24.97	25.72	27.01	31.26	30.16	34.38	25.52	25.15	24.89	24.86	24.90	
12	24.90	25.23	25.72	27.52	33.54	29.71	33.85	25.50	25.16	24.93	24.86	24.90	
13	24.95	25.07	26.19	30.66	34.09	28.65	30.57	25.68	25.16	24.92	24.84	24.87	
14	24.92	25.07	26.86	32.26	33.51	29.37	28.66	25.55	25.10	24.90	24.85	24.84	
15	24.89	25.24	27.45	32.08	31.55	31.29	29.94	25.49	25.12	24.88	24.87	24.80	
16	24.96	25.22	27.04	29.44	29.68	31.46	31.25	25.45	25.10	24.88	24.88	24.79	
17	24.87	25.19	26.79	27.72	28.60	29.44	30.23	25.43	25.10	24.88	24.87	24.78	
18	24.99	25.12	26.73	27.14	28.16	28.59	28.80	25.46	25.10	24.89	24.82	24.77	
19	24.96	25.10	26.37	26.81	29.55	28.33	28.11	25.49	25.08	24.88	24.92	24.77	
20	24.98	25.26	26.12	26.60	31.72	28.91	27.92	25.45	25.08	24.87	24.89	24.76	
21	25.02	25.16	25.91	26.30	31.74	28.11	28.42	25.40	25.07	24.87	24.85	24.76	
22	25.01	25.29	25.83	25.95	30.58	27.75	27.93	25.37	25.07	24.86	24.85	24.75	
23	25.01	25.14	26.12	25.74	29.69	27.65	27.36	25.36	25.07	24.86	24.85	24.75	
24	25.12	25.06	29.24	25.65	29.76	28.82	26.93	25.33	25.06	24.86	24.87	24.76	
25	25.05	25.08	30.16	25.52	30.17	28.96	26.64	25.31	25.04	24.86	24.87	24.77	
26	25.03	25.09	27.95	25.47	29.81	28.31	26.44	25.29	25.02	24.86	24.86	24.79	
27	25.04	25.39	26.59	25.44	28.94	29.62	26.29	25.28	25.01	24.86	24.86	24.89	
28	25.14	25.63	26.24	25.35	28.32	28.57	26.15	25.27	25.01	24.88	24.91	24.97	
29	25.18	25.64	26.02	25.33	28.30	27.76	26.04	25.25	25.00	25.10		25.09	
30	25.11	25.66	25.89	25.28	29.18	29.90	25.96	25.24	24.99	25.01		24.92	
31		25.55		25.24	30.11		25.90		24.98	24.97		24.88	
MEAN	25.00	25.16	26.55	26.78	28.86	29.43	29.41	25.50	25.11	24.92	24.87	24.85	
MAX	25.18	25.66	30.16	32.26	34.09	31.83	34.38	25.84	25.23	25.10	24.95	25.09	34.38
MIN	24.87	24.90	25.32	25.24	25.22	27.65	25.90	25.24	24.98	24.86	24.82	24.75	24.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 34.41 M (MSL), AT 21.00 HOURS, ON OCT 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 23.74 M (MSL), RIVER BED 24.46 M (MSL)
LEFT BANK ELEVATION 34.51 M (MSL)
RIGHT BANK ELEVATION 34.70 M (MSL), DRAINAGE AREA 2523 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.42	1.91	4.29	7.00	3.24	71.58	74.69	8.40	3.31	1.56	1.35	1.63	
2	1.49	1.84	3.94	6.19	3.52	54.00	67.40	8.00	3.24	1.56	1.14	1.21	
3	1.42	2.26	4.36	5.14	3.80	47.22	62.80	7.40	3.24	1.49	0.86	1.35	
4	1.91	1.91	4.15	5.54	4.15	56.80	74.23	7.00	3.24	1.42	0.72	1.14	
5	2.40	2.26	5.46	5.46	5.46	96.46	77.91	7.20	3.24	1.42	0.72	0.86	
6	1.98	1.28	15.09	7.10	5.14	88.40	112.68	7.40	3.10	1.35	0.72	0.65	
7	1.56	1.21	36.12	14.10	5.78	64.76	138.10	6.91	3.10	1.28	0.72	0.58	
8	1.35	1.00	30.10	18.06	8.40	81.00	153.10	6.19	3.03	1.21	0.72	0.58	
9	1.14	1.49	16.63	29.50	9.40	121.77	175.30	5.78	2.89	1.07	0.93	0.72	
10	1.14	1.21	9.80	26.04	20.35	110.44	192.04	5.62	2.68	0.93	0.86	0.65	
11	1.14	1.49	7.20	21.14	105.82	77.68	201.59	5.46	2.75	0.93	0.72	1.00	
12	1.00	3.31	7.20	28.30	173.38	67.62	183.51	5.30	2.82	1.21	0.72	1.00	
13	1.35	2.19	11.90	89.96	191.70	46.50	87.65	6.82	2.82	1.14	0.58	0.79	
14	1.14	2.19	19.22	134.50	172.42	60.40	46.68	5.70	2.40	1.00	0.65	0.58	
15	0.93	3.38	27.30	129.10	113.80	106.63	72.68	5.22	2.54	0.86	0.79	0.30	
16	1.42	3.24	21.56	61.80	66.96	111.28	105.55	4.90	2.40	0.86	0.86	0.27	
17	0.79	3.03	18.39	31.32	45.60	61.80	79.32	4.74	2.40	0.86	0.79	0.24	
18	1.63	2.54	17.73	22.96	38.36	45.43	49.20	4.98	2.40	0.93	0.44	0.21	
19	1.42	2.40	13.77	18.62	64.10	41.08	37.56	5.22	2.26	0.86	1.14	0.21	
20	1.56	3.52	11.20	16.30	118.58	51.20	34.52	4.90	2.26	0.79	0.93	0.18	
21	1.84	2.82	9.10	13.00	119.16	37.56	42.54	4.50	2.19	0.79	0.65	0.18	
22	1.77	3.73	8.30	9.50	87.90	31.80	34.68	4.29	2.19	0.72	0.65	0.15	
23	1.77	2.68	11.20	7.40	67.18	30.25	26.04	4.22	2.19	0.72	0.65	0.15	
24	2.54	2.12	57.80	6.55	68.72	49.56	20.09	4.01	2.12	0.72	0.79	0.18	
25	2.05	2.26	77.68	5.46	77.91	52.20	16.74	3.87	1.98	0.72	0.79	0.21	
26	1.91	2.33	35.00	5.06	69.82	40.76	14.54	3.73	1.84	0.72	0.72	0.27	
27	1.98	4.43	16.19	4.82	51.80	65.64	12.90	3.66	1.77	0.72	0.72	0.93	
28	2.68	6.37	12.40	4.15	40.92	45.09	11.50	3.59	1.77	0.86	1.07	1.49	
29	2.96	6.46	10.20	4.01	40.60	31.96	10.40	3.45	1.70	2.40		2.33	
30	2.47	6.64	8.90	3.66	56.60	71.80	9.60	3.38	1.63	1.77		1.14	
31		5.70		3.38	76.53		9.00		1.56	1.49		0.86	
TOTAL	50.16	89.20	532.18	745.12	1917.10	1918.67	2234.54	161.84	77.06	34.36	22.40	22.04	7804.67 CMSDAY
MEAN	1.67	2.88	17.74	24.04	61.84	63.96	72.08	5.39	2.49	1.11	0.80	0.71	21.38 CMS
MAX	2.96	6.64	77.68	134.50	191.70	121.77	201.59	8.40	3.31	2.40	1.35	2.33	201.59 CMS
MIN	0.79	1.00	3.94	3.38	3.24	30.25	9.00	3.38	1.56	0.72	0.44	0.15	0.15 CMS
RUNOFF	4.334	7.707	45.980	64.378	165.637	165.773	193.064	13.983	6.658	2.969	1.935	1.904	674.324 MCM

MOMENTARY PEAK 202.62 CMS, AT 34.41 M (MSL), AT 21.00 HOURS, ON OCT 11, 1984

RUNOFF YIELD 8.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 80.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

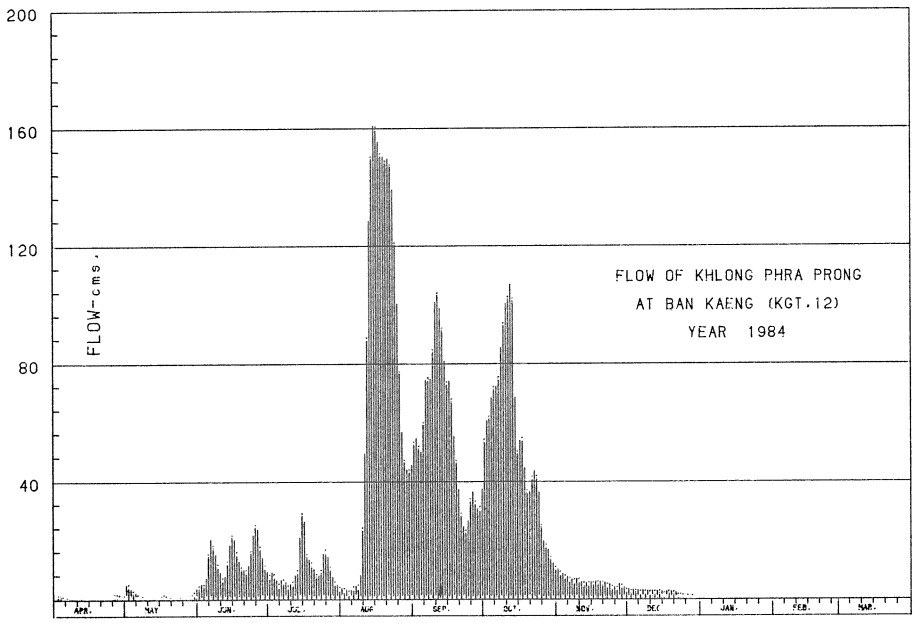
KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13-56-02 N., LONG. 101-58-41 E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 20 METERS FROM THE GAGE SITE.
ELEVATION	+9.505 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	1.16	1.13	1.48	1.02	3.86	3.90	1.62	0.97	0.62	0.45	0.32	
2	0.70	1.18	1.17	1.54	1.02	3.91	4.15	1.56	0.94	0.60	0.45	0.32	
3	0.68	0.99	1.18	1.50	0.96	3.80	4.21	1.51	0.95	0.58	0.43	0.32	
4	0.61	0.93	1.38	1.32	0.92	3.72	4.44	1.46	0.95	0.55	0.42	0.32	
5	0.60	0.83	1.99	1.20	0.93	4.13	4.58	1.42	0.93	0.53	0.41	0.33	
6	0.54	0.75	2.28	1.32	1.11	4.66	4.58	1.39	0.92	0.53	0.41	0.32	
7	0.47	0.68	2.16	1.34	1.12	4.69	4.70	1.34	0.92	0.53	0.42	0.32	
8	0.50	0.65	1.97	1.25	1.16	4.67	5.05	1.34	0.92	0.52	0.44	0.31	
9	0.54	0.62	1.74	1.14	1.46	5.03	5.34	1.36	0.90	0.50	0.41	0.32	
10	0.53	0.59	1.54	1.18	2.51	5.58	5.56	1.36	0.91	0.50	0.40	0.31	
11	0.52	0.58	1.38	1.26	3.70	5.68	5.64	1.27	0.91	0.49	0.39	0.31	
12	0.49	0.57	1.43	1.46	5.17	5.51	5.77	1.24	0.91	0.46	0.38	0.29	
13	0.56	0.55	1.82	1.60	6.41	5.28	5.62	1.22	0.90	0.46	0.37	0.29	
14	0.54	0.56	2.17	2.32	7.04	4.89	4.45	1.25	0.92	0.45	0.36	0.29	
15	0.52	0.57	2.37	2.77	7.33	4.64	3.73	1.25	0.88	0.45	0.38	0.28	
16	0.50	0.65	2.28	2.62	7.32	4.65	3.88	1.24	0.84	0.45	0.38	0.27	
17	0.48	0.73	2.03	1.98	7.18	4.43	3.92	1.28	0.87	0.45	0.35	0.27	
18	0.47	0.65	1.81	1.86	7.07	3.94	3.49	1.28	0.92	0.43	0.36	0.26	
19	0.47	0.60	1.67	1.78	7.04	3.60	3.15	1.26	0.89	0.44	0.34	0.26	
20	0.52	0.58	1.61	1.62	7.00	3.16	3.12	1.26	0.88	0.43	0.35	0.26	
21	0.50	0.56	1.61	1.49	7.02	2.76	3.36	1.23	0.83	0.45	0.35	0.27	
22	0.50	0.60	1.71	1.46	6.96	2.53	3.44	1.20	0.76	0.42	0.36	0.27	
23	0.53	0.58	2.05	1.61	6.72	2.46	3.37	1.18	0.75	0.40	0.36	0.27	
24	0.59	0.55	2.37	1.99	6.19	2.63	3.12	1.12	0.71	0.38	0.36	0.28	
25	0.65	0.54	2.56	2.08	5.56	3.01	2.56	1.09	0.70	0.41	0.34	0.28	
26	0.77	0.53	2.48	1.92	4.76	3.12	2.25	1.08	0.69	0.46	0.34	0.28	
27	0.77	0.58	2.14	1.68	4.00	2.97	2.18	1.19	0.68	0.43	0.32	0.27	
28	0.72	0.64	1.90	1.41	3.60	2.84	2.08	1.16	0.66	0.42	0.31	0.27	
29	0.68	0.72	1.71	1.27	3.46	2.88	1.92	1.06	0.64	0.38		0.26	
30	0.67	0.86	1.56	1.15	3.46	3.17	1.77	1.00	0.63	0.46		0.26	
31		1.00		1.08	3.53		1.68		0.62	0.46		0.25	
MEAN	0.57	0.70	1.84	1.60	4.28	3.94	3.77	1.27	0.84	0.47	0.38	0.29	
MAX	0.77	1.18	2.56	2.77	7.33	5.68	5.77	1.62	0.97	0.62	0.45	0.33	7.33
MIN	0.47	0.53	1.13	1.08	0.92	2.46	1.68	1.00	0.62	0.38	0.31	0.25	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.37 M (A.D), AT 24.00 HOURS, ON AUB 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.32 M (A.D)
LEFT BANK ELEVATION 9.63 M (A.D)
RIGHT BANK ELEVATION 9.34 M (A.D), DRAINAGE AREA 1540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	5.00	4.70	8.46	3.76	53.44	54.40	10.28	3.36	1.10	0.35	0.12	
2	1.50	5.20	5.10	9.22	3.76	54.64	60.60	9.48	3.12	1.00	0.35	0.12	
3	1.40	3.52	5.20	8.70	3.28	52.00	62.16	8.83	3.20	0.90	0.29	0.12	
4	1.05	3.04	7.28	6.62	2.96	50.08	68.32	8.22	3.20	0.75	0.26	0.12	
5	1.00	2.24	15.55	5.40	3.04	60.08	72.24	7.74	3.04	0.65	0.23	0.13	
6	0.70	1.75	20.36	6.62	4.50	74.48	72.24	7.39	2.96	0.65	0.23	0.12	
7	0.41	1.40	18.32	6.84	4.60	75.32	75.60	6.84	2.96	0.65	0.26	0.12	
8	0.50	1.25	15.25	5.90	5.00	74.76	85.45	6.84	2.96	0.60	0.32	0.11	
9	0.70	1.10	11.96	4.80	8.22	84.87	93.86	7.06	2.80	0.50	0.23	0.12	
10	0.65	0.95	9.22	5.20	24.39	101.00	100.40	7.06	2.88	0.50	0.20	0.11	
11	0.60	0.90	7.28	6.00	49.60	104.08	102.84	6.10	2.88	0.47	0.19	0.11	
12	0.47	0.85	7.86	8.22	88.93	98.90	107.01	5.80	2.88	0.38	0.18	0.09	
13	0.80	0.75	13.08	10.00	128.54	92.12	102.22	5.60	2.80	0.38	0.17	0.09	
14	0.70	0.80	18.49	21.04	150.40	80.92	68.60	5.90	2.96	0.35	0.16	0.09	
15	0.60	0.85	21.89	29.40	160.94	73.92	50.32	5.90	2.64	0.35	0.18	0.08	
16	0.50	1.25	20.36	26.48	160.56	74.20	53.92	5.80	2.32	0.35	0.18	0.07	
17	0.44	1.65	16.18	15.40	155.30	68.04	54.88	6.20	2.56	0.35	0.15	0.07	
18	0.41	1.25	12.94	13.64	151.45	55.36	44.77	6.20	2.96	0.29	0.16	0.06	
19	0.41	1.00	10.98	12.52	150.40	47.30	37.15	6.00	2.72	0.32	0.14	0.06	
20	0.60	0.90	10.14	10.28	149.00	37.36	36.52	6.00	2.64	0.29	0.15	0.06	
21	0.50	0.80	10.14	8.58	149.70	29.20	41.78	5.70	2.24	0.35	0.15	0.07	
22	0.50	1.00	11.54	8.22	147.60	24.77	43.62	5.40	1.80	0.26	0.16	0.07	
23	0.65	0.90	16.50	10.14	139.20	23.48	42.01	5.20	1.75	0.20	0.16	0.07	
24	0.95	0.75	21.89	15.55	121.06	26.67	36.52	4.60	1.55	0.18	0.16	0.08	
25	1.25	0.70	25.34	16.98	100.40	34.21	25.34	4.32	1.50	0.23	0.14	0.08	
26	1.85	0.65	23.84	14.50	77.28	36.52	19.85	4.24	1.45	0.38	0.14	0.08	
27	1.85	0.90	17.98	11.12	56.80	33.40	18.66	5.30	1.40	0.29	0.12	0.07	
28	1.60	1.20	14.20	7.62	47.30	30.80	16.98	5.00	1.30	0.26	0.11	0.07	
29	1.40	1.60	11.54	6.10	44.08	31.60	14.50	4.08	1.20	0.18		0.06	
30	1.35	2.48	9.48	4.90	44.08	37.57	12.38	3.60	1.15	0.38		0.06	
31		3.60		4.24	45.69		11.12		1.10	0.38		0.05	
TOTAL	25.75	50.23	414.59	328.69	2381.82	1721.09	1686.26	186.68	74.28	13.92	5.52	2.73	6891.56 CMSDAY
MEAN	0.86	1.62	13.82	10.60	76.83	57.37	54.40	6.22	2.40	0.45	0.20	0.09	18.88 CMS
MAX	1.85	5.20	25.34	29.40	160.94	104.08	107.01	10.28	3.36	1.10	0.35	0.13	160.94 CMS
MIN	0.41	0.65	4.70	4.24	2.96	23.48	11.12	3.60	1.10	0.18	0.11	0.05	0.05 CMS
RUNOFF	2.225	4.340	35.821	28.399	205.789	148.702	145.693	16.129	6.418	1.203	0.477	0.236	595.431 MCM

MOMENTARY PEAK 162.46 CMS, AT 7.37 M (A.D), AT 24.00 HOURS, ON AUB 15, 1984

RUNOFF YIELD 12.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 105.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

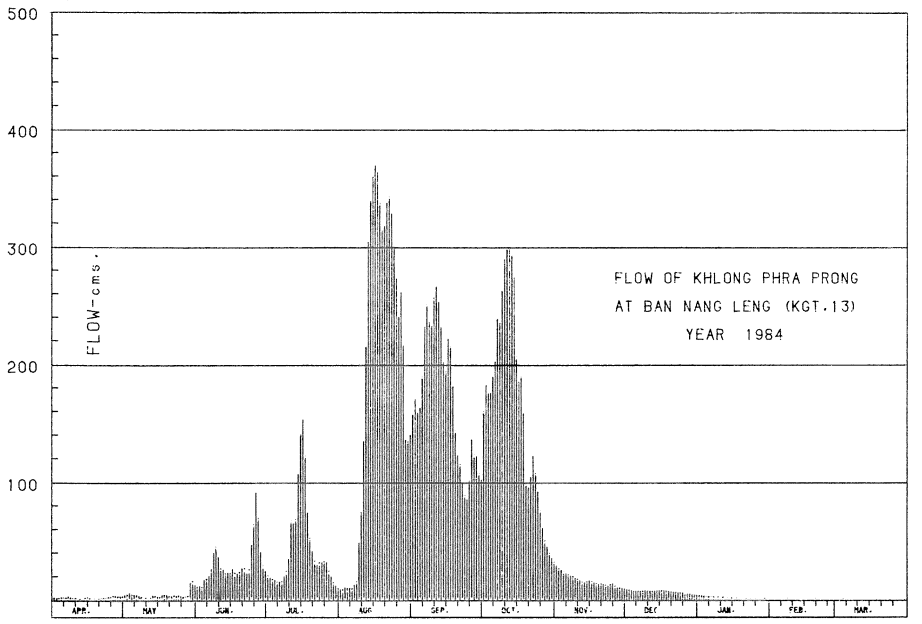
KHLONG PHRA PRONG AT BAN NANG LENG, PRACHIN BURI (KGT.13)

LOCATION	LAT. 13-58-04 N., LONG. 101-44-20 E., ON LEFT BANK ABOUT 40 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY, AT BAN NANG LENG, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	5,347 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.165 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+10.712 M. (M.S.L.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1971-1976, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1971-1976, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE BECAUSE OF BACKWATER EFFECT.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 45 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.32	1.53	2.18	2.70	2.01	6.62	6.64	3.09	2.01	1.50	1.25	1.15	
2	1.27	1.61	2.21	2.59	2.04	6.85	7.06	2.98	1.99	1.48	1.22	1.17	
3	1.29	1.71	2.17	2.54	2.13	6.65	6.97	2.92	1.93	1.44	1.21	1.19	
4	1.35	1.60	2.50	2.50	2.10	6.70	6.94	2.86	1.87	1.41	1.24	1.23	
5	1.33	1.59	2.55	2.42	2.10	7.19	7.23	2.78	1.89	1.39	1.24	1.20	
6	1.31	1.53	2.68	2.41	2.09	7.94	7.42	2.73	1.88	1.39	1.22	1.19	
7	1.40	1.45	2.96	2.44	2.27	8.26	8.09	2.68	1.86	1.38	1.22	1.18	
8	1.32	1.38	3.54	2.66	2.44	8.00	8.00	2.65	1.89	1.36	1.22	1.16	
9	1.30	1.35	3.74	2.90	3.85	7.98	8.48	2.58	1.93	1.36	1.21	1.14	
10	1.27	1.31	3.41	3.34	4.65	8.36	8.90	2.54	1.91	1.36	1.22	1.12	
11	1.25	1.31	2.99	4.45	6.13	8.54	9.06	2.47	1.89	1.34	1.19	1.13	
12	1.21	1.30	2.95	4.37	7.69	8.29	9.04	2.41	1.87	1.32	1.21	1.14	
13	1.24	1.49	3.58	4.48	9.13	7.96	8.98	2.38	1.89	1.30	1.20	1.14	
14	1.30	1.47	3.42	5.48	9.69	7.42	8.64	2.42	1.90	1.30	1.18	1.16	
15	1.35	1.39	3.62	6.28	9.97	7.27	7.50	2.46	1.94	1.30	1.17	1.15	
16	1.26	1.37	4.06	6.50	10.13	7.77	7.11	2.43	1.94	1.29	1.17	1.13	
17	1.22	1.53	3.66	5.85	10.02	7.67	7.21	2.36	1.92	1.29	1.17	1.12	
18	1.20	1.57	3.54	4.64	9.64	7.04	6.90	2.34	1.89	1.27	1.17	1.11	
19	1.21	1.54	3.27	3.99	9.28	6.32	6.15	2.30	1.86	1.28	1.20	1.10	
20	1.21	1.47	3.03	3.60	9.36	5.86	6.10	2.32	1.83	1.28	1.23	1.09	
21	1.27	1.44	3.00	3.27	9.64	5.69	6.24	2.30	1.81	1.26	1.19	1.08	
22	1.27	1.52	3.59	3.12	9.72	5.29	5.85	2.26	1.78	1.25	1.19	1.10	
23	1.29	1.48	4.05	3.21	9.50	5.03	5.50	2.21	1.75	1.25	1.17	1.12	
24	1.36	1.53	3.79	3.22	9.09	4.94	5.11	2.28	1.76	1.25	1.16	1.14	
25	1.36	1.44	4.35	3.25	8.62	5.34	4.70	2.32	1.72	1.24	1.15	1.13	
26	1.47	1.38	5.09	3.21	8.11	6.16	4.25	2.42	1.57	1.23	1.15	1.13	
27	1.48	1.40	4.51	2.91	8.43	5.88	3.91	2.11	1.62	1.22	1.16	1.10	
28	1.44	1.49	3.57	2.65	7.70	5.85	3.73	2.12	1.63	1.23	1.16	1.10	
29	1.43	2.37	3.12	2.39	6.15	5.50	3.54	2.10	1.56	1.22		1.10	
30	1.44	2.45	2.89	2.23	6.12	5.36	3.37	2.06	1.53	1.21		1.16	
31		2.26		2.10	6.24		3.23		1.51	1.31		1.32	
MEAN	1.31	1.56	3.33	3.47	6.65	6.79	6.51	2.46	1.82	1.31	1.20	1.14	
MAX	1.48	2.45	5.09	6.50	10.13	8.54	9.06	3.09	2.01	1.50	1.25	1.32	10.13
MIN	1.20	1.30	2.17	2.10	2.01	4.94	3.23	2.06	1.51	1.21	1.15	1.08	1.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.16 M (MSL), AT 12.00 HOURS, ON AUG 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.16 M (MSL), RIVER BED 0.57 M (MSL)
LEFT BANK ELEVATION 14.33 M (MSL)
RIGHT BANK ELEVATION 14.75 M (MSL), DRAINAGE AREA 5347 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.48	4.37	11.70	21.30	9.15	159.50	160.50	29.57	9.15	4.10	1.85	1.00	
2	2.03	5.10	12.18	19.21	9.60	171.25	182.80	27.04	8.90	3.92	1.58	1.16	
3	2.21	6.10	11.55	18.26	10.95	161.00	177.85	25.66	8.30	3.56	1.49	1.32	
4	2.75	5.00	17.50	17.50	10.50	163.50	176.20	24.40	7.70	3.29	1.76	1.67	
5	2.57	4.91	18.45	15.98	10.50	189.95	192.15	22.82	7.90	3.11	1.76	1.40	
6	2.39	4.37	20.92	15.79	10.35	232.40	202.60	21.87	7.80	3.11	1.58	1.32	
7	3.20	3.65	26.58	16.36	13.26	251.60	241.40	20.92	7.60	3.02	1.58	1.24	
8	2.48	3.02	40.20	20.54	16.36	236.00	236.00	20.35	7.90	2.84	1.58	1.08	
9	2.30	2.75	45.86	25.20	49.05	234.80	264.80	19.02	8.30	2.84	1.49	0.92	
10	2.03	2.39	36.93	35.32	74.75	257.60	290.00	18.26	8.10	2.84	1.58	0.76	
11	1.85	2.39	27.27	68.05	135.35	268.40	299.90	16.93	7.90	2.66	1.32	0.84	
12	1.49	2.30	26.35	65.41	217.45	253.40	298.60	15.79	7.70	2.48	1.49	0.92	
13	1.76	4.01	23.00	69.04	304.45	233.60	294.80	15.24	7.90	2.30	1.40	0.92	
14	2.30	3.83	23.40	107.20	340.85	202.60	274.40	15.98	8.00	2.30	1.24	1.08	
15	2.75	3.11	23.20	142.50	359.90	194.35	207.00	16.74	8.40	2.30	1.16	1.00	
16	1.94	2.93	26.72	153.50	371.10	222.20	185.55	16.17	8.40	2.21	1.16	0.84	
17	1.58	4.37	23.60	122.75	363.40	216.35	191.05	14.88	8.20	2.21	1.16	0.76	
18	1.40	4.73	23.00	74.40	337.60	181.70	159.00	14.52	7.90	2.03	1.16	0.68	
19	1.49	4.46	24.09	53.20	314.20	144.50	99.00	13.80	7.60	2.12	1.40	0.60	
20	1.49	3.83	27.05	42.00	319.40	123.20	96.00	14.16	7.30	2.12	1.67	0.54	
21	2.03	3.56	27.50	33.71	337.60	115.78	104.80	13.80	7.10	1.94	1.32	0.48	
22	2.03	4.28	23.00	30.26	342.80	99.60	122.75	13.08	6.80	1.85	1.32	0.60	
23	2.21	3.92	26.60	32.33	328.50	89.20	108.00	12.18	6.50	1.85	1.16	0.76	
24	2.84	4.37	47.31	32.56	301.85	85.60	92.40	13.44	6.60	1.85	1.08	0.92	
25	2.84	3.56	64.75	33.25	273.20	101.60	76.50	14.16	6.20	1.76	1.00	0.84	
26	3.83	3.02	91.60	32.33	242.60	136.70	61.45	12.36	4.73	1.67	1.00	0.84	
27	3.92	3.20	70.03	25.43	261.80	124.10	50.80	10.65	5.20	1.58	1.08	0.60	
28	3.56	4.01	41.10	20.35	218.00	122.75	45.57	10.80	5.30	1.67	1.08	0.60	
29	3.47	15.06	30.26	15.42	136.25	108.00	40.20	10.50	4.64	1.58		0.60	
30	3.56	16.55	25.00	12.54	134.90	102.40	36.01	9.90	4.37	1.49		1.08	
31		13.08		10.50	140.50		32.79		4.19	2.39		2.46	
TOTAL	72.78	152.23	936.70	1382.19	5996.17	5183.63	5000.87	504.99	222.58	74.99	38.45	29.85	19595.43 CMSDAY
MEAN	2.43	4.91	31.22	44.59	193.42	172.79	161.32	16.83	7.18	2.42	1.37	0.96	53.69 CMS
MAX	3.92	16.55	91.60	153.50	371.10	268.40	299.90	29.57	9.15	4.10	1.85	2.48	371.10 CMS
MIN	1.40	2.30	11.55	10.50	9.15	85.60	32.79	9.90	4.19	1.49	1.00	0.48	0.48 CMS
RUNOFF	6.288	13.153	80.931	119.421	518.069	447.866	432.075	43.631	19.231	6.479	3.322	2.579	1693.045 MCM

MOMENTARY PEAK 373.20 CMS, AT 10.16 M (MSL), AT 12.00 HOURS, ON AUG 16, 1984
RUNOFF YIELD 10.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 89.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

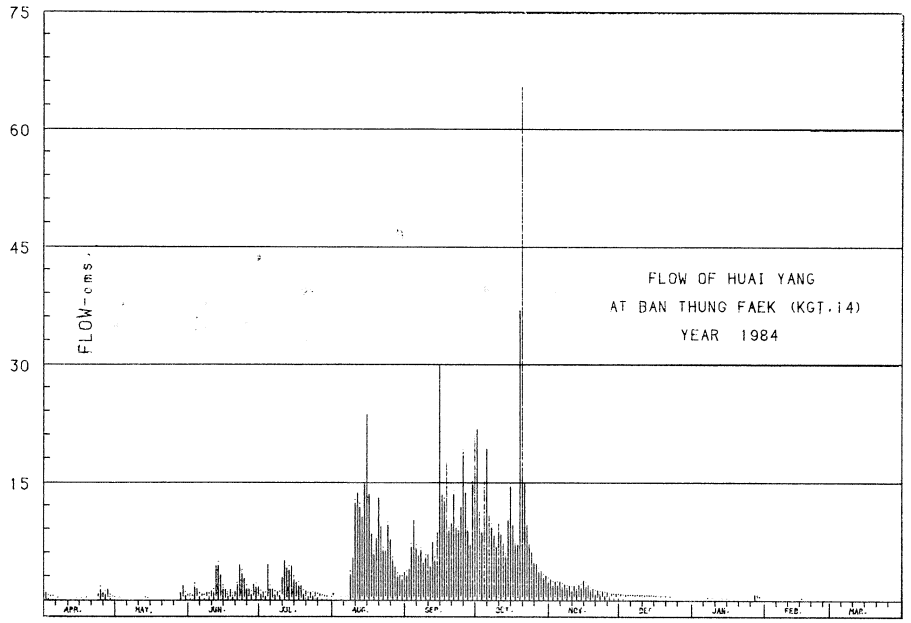
HUAI YANG AT BAN THUNG FAEK, PRACHIN BURI (KGT.14)

LOCATION	LAT. 14-09-30 N., LONG. 101-52-52 E., ON LEFT BANK ABOUT 2 KILOMETERS FROM KABIN BURI-NAKHON RATCHASIMA HIGHWAY, BAN THUNG FAEK, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	366 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+34.611 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+42.429 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1981.
RATED BY FLOAT	
RATED BY CURRENT METER	1966 - 1981
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 84 DISCHARGE MEASUREMENTS MADE DURING 1977-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	35.03	34.91	35.00	35.08	34.91	35.32	36.22	35.23	35.00	34.89	34.87	34.80	
2	34.97	34.88	34.97	35.04	34.91	35.34	35.78	35.21	35.00	34.89	34.85	34.79	
3	34.95	34.87	35.19	35.04	34.91	35.56	35.67	35.21	34.98	34.89	34.85	34.78	
4	34.95	34.86	35.11	35.38	34.92	35.72	35.94	35.21	34.98	34.89	34.85	34.78	
5	34.92	34.85	35.03	35.16	34.91	35.55	36.12	35.21	34.98	34.88	34.85	34.78	
6	34.88	34.84	35.00	35.10	34.91	35.46	35.75	35.19	34.98	34.88	34.85	34.78	
7	34.85	34.82	34.99	35.07	34.93	35.53	35.70	35.17	34.98	34.87	34.86	34.77	
8	34.84	34.82	35.03	35.05	35.32	35.40	35.62	35.16	34.98	34.87	34.86	34.77	
9	34.82	34.81	35.02	35.06	35.44	35.47	35.56	35.15	34.98	34.86	34.86	34.77	
10	34.82	34.82	35.06	35.25	35.84	35.47	35.70	35.14	34.97	34.86	34.85	34.77	
11	34.83	34.80	35.11	35.45	35.88	35.40	35.65	35.15	34.97	34.86	34.85	34.76	
12	34.83	34.79	35.37	35.35	35.82	35.57	35.56	35.17	34.97	34.85	34.85	34.76	
13	34.83	34.90	35.41	35.37	35.74	35.45	35.48	35.16	34.97	34.85	34.84	34.76	
14	34.84	34.86	35.28	35.37	35.95	35.64	35.72	35.18	34.97	34.84	34.86	34.76	
15	34.88	34.85	35.16	35.27	36.27	36.50	35.93	35.22	34.96	34.84	34.93	34.76	
16	34.85	34.85	35.09	35.20	35.89	35.87	35.69	35.20	34.95	34.84	34.86	34.75	
17	34.88	34.85	35.05	35.21	35.63	35.85	35.58	35.16	34.94	34.84	34.84	34.75	
18	34.89	34.86	35.09	35.15	35.50	36.04	35.55	35.13	34.94	34.85	34.83	34.74	
19	34.87	34.87	35.03	35.09	35.60	35.67	36.72	35.11	34.94	34.85	34.83	34.74	
20	34.85	34.92	35.05	35.06	35.87	35.70	37.47	35.09	34.94	34.85	34.83	34.74	
21	34.86	34.83	35.20	35.04	35.68	35.89	35.95	35.08	34.94	34.85	34.83	34.74	
22	34.90	34.81	35.38	35.03	35.53	35.67	35.69	35.07	34.93	34.85	34.82	34.74	
23	35.00	34.83	35.33	35.05	35.50	35.68	35.57	35.06	34.91	34.86	34.81	34.73	
24	35.15	34.83	35.24	35.04	35.71	35.80	35.49	35.05	34.90	34.86	34.81	34.73	
25	35.02	34.82	35.16	35.02	35.59	36.10	35.43	35.04	34.90	34.86	34.80	34.73	
26	35.07	34.84	35.10	35.00	35.45	35.88	35.39	35.03	34.90	34.89	34.80	34.73	
27	35.10	34.87	35.07	34.98	35.36	35.67	35.35	35.01	34.90	35.07	34.80	34.74	
28	34.99	35.10	35.17	34.96	35.30	35.55	35.32	35.01	34.90	34.97	34.80	34.74	
29	34.94	35.15	35.19	34.94	35.28	35.94	35.29	35.01	34.89	34.92		34.74	
30	34.91	35.05	35.13	34.92	35.27	36.17	35.27	35.01	34.89	34.89		34.74	
31		34.99		34.92	35.31		35.25		34.89	34.87		34.74	
MEAN	34.92	34.88	35.13	35.12	35.46	35.70	35.72	35.13	34.95	34.88	34.84	34.76	
MAX	35.15	35.15	35.41	35.45	36.27	36.50	37.47	35.23	35.00	35.07	34.93	34.80	37.47
MIN	34.82	34.79	34.97	34.92	34.91	35.32	35.25	35.01	34.89	34.84	34.80	34.73	34.73

ANNUAL MAX MOMENTARY GAGE HEIGHT 38.71 M (MSL), AT 1.00 HOURS, ON OCT 20, 1984
ZERO GAGE AT BOTTOM ELEVATION 34.61 M (MSL), RIVER BED 33.64 M (MSL)
LEFT BANK ELEVATION 41.53 M (MSL)
RIGHT BANK ELEVATION 41.76 M (MSL), DRAINAGE AREA 366 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.98	0.44	0.80	1.28	0.44	3.76	22.34	2.66	0.80	0.38	0.34	0.20	
2	0.68	0.36	0.68	1.04	0.44	4.02	11.48	2.42	0.80	0.38	0.30	0.19	
3	0.60	0.34	2.21	1.04	0.44	7.26	9.23	2.42	0.72	0.38	0.30	0.18	
4	0.60	0.32	1.49	4.54	0.48	10.22	15.16	2.42	0.72	0.38	0.30	0.18	
5	0.48	0.30	0.98	1.94	0.44	7.10	19.72	2.42	0.72	0.36	0.30	0.18	
6	0.36	0.28	0.80	1.40	0.44	5.70	10.85	2.21	0.72	0.36	0.30	0.18	
7	0.30	0.24	0.76	1.22	0.52	6.78	9.80	2.03	0.72	0.34	0.32	0.17	
8	0.28	0.24	0.98	1.10	3.76	4.80	8.28	1.94	0.72	0.34	0.32	0.17	
9	0.24	0.22	0.92	1.16	5.40	5.85	7.26	1.85	0.72	0.32	0.32	0.17	
10	0.24	0.24	1.16	2.90	12.82	5.85	9.80	1.76	0.68	0.32	0.30	0.17	
11	0.26	0.20	1.49	5.55	13.74	4.80	8.85	1.85	0.68	0.32	0.30	0.16	
12	0.26	0.19	4.41	4.15	12.36	7.42	7.26	2.03	0.68	0.30	0.30	0.16	
13	0.26	0.40	4.95	4.41	10.64	5.55	6.00	1.94	0.68	0.30	0.28	0.16	
14	0.28	0.32	3.26	4.41	15.40	8.66	10.22	2.12	0.68	0.28	0.32	0.16	
15	0.36	0.30	1.94	3.14	23.69	30.20	14.92	2.54	0.64	0.28	0.52	0.16	
16	0.30	0.30	1.34	2.30	13.97	13.51	9.61	2.30	0.60	0.28	0.32	0.15	
17	0.36	0.30	1.10	2.42	8.47	13.05	7.58	1.94	0.56	0.28	0.28	0.15	
18	0.38	0.32	1.34	1.85	6.30	17.64	7.10	1.67	0.56	0.30	0.26	0.14	
19	0.34	0.34	0.98	1.34	7.90	9.23	37.28	1.49	0.56	0.30	0.26	0.14	
20	0.30	0.48	1.10	1.16	13.51	9.80	65.47	1.34	0.56	0.30	0.26	0.14	
21	0.32	0.26	2.30	1.04	9.42	13.97	15.40	1.28	0.56	0.30	0.26	0.14	
22	0.40	0.22	4.54	0.98	6.78	9.23	9.61	1.22	0.52	0.30	0.24	0.14	
23	0.80	0.26	3.89	1.10	6.30	9.42	7.42	1.16	0.44	0.32	0.22	0.13	
24	1.85	0.26	2.78	1.04	10.01	11.90	6.15	1.10	0.40	0.32	0.22	0.13	
25	0.92	0.24	1.94	0.92	7.74	19.20	5.25	1.04	0.40	0.32	0.20	0.13	
26	1.22	0.28	1.40	0.80	5.55	13.74	4.67	0.98	0.40	0.38	0.20	0.13	
27	1.40	0.34	1.22	0.72	4.28	9.23	4.15	0.86	0.40	1.22	0.20	0.14	
28	0.76	1.40	2.03	0.64	3.50	7.10	3.76	0.86	0.40	0.68	0.20	0.14	
29	0.56	1.85	2.21	0.56	3.26	15.16	3.38	0.86	0.38	0.48		0.14	
30	0.44	1.10	1.67	0.48	3.14	21.02	3.14	0.86	0.38	0.38		0.14	
31		0.76		0.48	3.63		2.90		0.38	0.34		0.14	
TOTAL	16.53	13.10	56.67	57.11	214.77	311.17	364.04	51.57	18.18	11.54	7.94	4.81	1127.43 CMSDAY
MEAN	0.55	0.42	1.89	1.84	6.93	10.37	11.74	1.72	0.59	0.37	0.28	0.16	3.09 CMS
MAX	1.85	1.85	4.95	5.55	23.69	30.20	65.47	2.66	0.80	1.22	0.52	0.20	65.47 CMS
MIN	0.24	0.19	0.68	0.48	0.44	3.76	2.90	0.86	0.38	0.28	0.20	0.13	0.13 CMS
RUNOFF	1.428	1.132	4.896	4.934	18.556	26.885	31.453	4.456	1.571	0.997	0.686	0.416	97.410 MCM

MOMENTARY PEAK 123.30 CMS, AT 38.71 M (MSL), AT 1.00 HOURS, ON OCT 20, 1984

RUNOFF YIELD 8.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 336.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

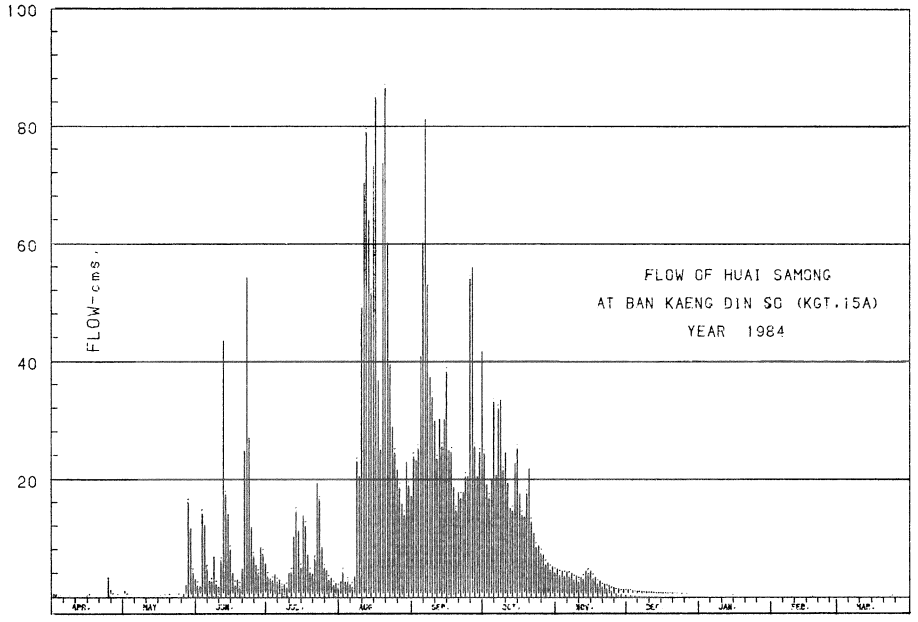
HUAI SAMONG AT BAN KAENG DIN SO, PRACHIN BURI (KGT.15A)

LOCATION	LAT. 14-03-46 N., LONG. 101-55-39 E., ON RIGHT BANK AT BAN KAENG DIN SO ABOUT 1 KILOMETERS UPSTREAM FROM THE KGT.15 STATION, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	530 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE AND NEAR THE RAIN GAGE.
ELEVATION	+9.615 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 100 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.78	1.04	1.18	1.04	2.26	2.28	1.23	0.83	0.64	0.58	0.54	
2	0.62	0.67	0.92	1.09	1.24	2.20	2.02	1.21	0.83	0.64	0.58	0.53	
3	0.60	0.64	1.82	1.12	1.03	2.32	1.45	1.20	0.81	0.63	0.58	0.53	
4	0.59	0.64	1.69	1.15	1.11	2.88	2.06	1.20	0.79	0.61	0.57	0.52	
5	0.58	0.63	1.28	1.10	0.98	3.50	2.62	1.19	0.78	0.63	0.57	0.52	
6	0.56	0.61	1.05	1.07	1.03	4.05	2.09	1.19	0.78	0.63	0.57	0.52	
7	0.56	0.60	1.10	1.00	1.12	3.29	2.58	1.17	0.77	0.63	0.56	0.52	
8	0.56	0.59	1.38	0.98	2.22	2.75	2.61	1.14	0.76	0.63	0.56	0.52	
9	0.56	0.57	1.05	1.02	2.08	2.66	2.15	1.13	0.76	0.63	0.56	0.52	
10	0.55	0.56	0.91	1.17	3.17	2.48	2.26	1.11	0.75	0.63	0.56	0.52	
11	0.54	0.56	1.37	1.24	3.77	2.24	2.06	1.11	0.75	0.62	0.56	0.51	
12	0.54	0.57	2.37	1.59	4.01	2.49	1.83	1.15	0.73	0.62	0.56	0.50	
13	0.54	0.58	1.97	1.84	3.59	2.33	1.85	1.20	0.72	0.62	0.56	0.50	
14	0.54	0.59	1.78	1.64	3.25	2.49	2.18	1.23	0.72	0.62	0.56	0.49	
15	0.58	0.60	1.50	1.30	3.85	2.81	2.32	1.20	0.72	0.61	0.58	0.49	
16	0.65	0.59	1.17	1.77	4.16	2.28	1.95	1.16	0.71	0.61	0.58	0.49	
17	0.61	0.61	1.05	1.72	2.73	2.30	1.81	1.11	0.71	0.61	0.57	0.49	
18	0.58	0.62	1.07	1.40	2.31	2.00	1.76	1.07	0.70	0.61	0.56	0.49	
19	0.57	0.65	1.03	1.24	3.86	1.85	1.98	1.05	0.70	0.62	0.55	0.49	
20	0.57	0.64	1.23	1.16	4.20	1.96	2.14	1.01	0.70	0.61	0.55	0.49	
21	0.56	0.64	2.30	1.39	3.48	1.96	1.75	0.99	0.69	0.61	0.55	0.49	
22	0.55	0.62	3.31	2.03	2.85	1.96	1.62	0.99	0.69	0.60	0.55	0.50	
23	0.55	0.66	2.39	1.93	2.44	2.11	1.53	0.96	0.69	0.59	0.55	0.53	
24	1.16	0.66	1.67	1.48	2.29	2.08	1.50	0.92	0.68	0.58	0.54	0.58	
25	0.82	0.65	1.43	1.29	2.13	3.32	1.46	0.89	0.67	0.58	0.54	0.54	
26	0.68	0.83	1.28	1.21	2.03	3.36	1.40	0.87	0.67	0.58	0.54	0.58	
27	0.65	0.96	1.22	1.14	1.87	2.33	1.34	0.86	0.67	0.58	0.54	0.59	
28	0.63	1.91	1.48	1.10	1.81	2.08	1.31	0.84	0.67	0.58	0.54	0.57	
29	0.62	1.66	1.46	1.05	2.19	2.29	1.28	0.84	0.66	0.58		0.57	
30	0.65	1.23	1.30	1.01	2.04	2.91	1.26	0.84	0.65	0.58		0.57	
31		1.08		1.00	1.93		1.24		0.64	0.58		0.59	
MEAN	0.61	0.75	1.51	1.30	2.45	2.52	1.88	1.07	0.72	0.61	0.56	0.53	
MAX	1.16	1.91	3.31	2.03	4.20	4.05	2.62	1.23	0.83	0.64	0.58	0.59	4.20
MIN	0.54	0.56	0.91	0.98	0.98	1.85	1.24	0.84	0.64	0.58	0.54	0.49	0.49

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.40 M (A.D), AT 9.00 HOURS, ON AUG 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.35 M (A.D)
LEFT BANK ELEVATION 12.00 M (A.D)
RIGHT BANK ELEVATION 9.49 M (A.D), DRAINAGE AREA 530 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	1.03	2.70	4.26	2.70	24.60	25.05	4.38	1.28	0.54	0.34	0.22	
2	0.47	0.65	1.82	3.20	5.00	23.25	19.20	4.63	1.28	0.54	0.34	0.19	
3	0.40	0.54	14.90	3.54	2.60	26.00	17.63	4.50	1.16	0.50	0.34	0.19	
4	0.37	0.54	12.30	3.90	3.42	40.95	20.10	4.50	1.07	0.43	0.31	0.16	
5	0.34	0.50	5.50	3.30	2.18	61.00	33.80	4.38	1.03	0.50	0.31	0.16	
6	0.28	0.43	2.80	3.00	2.60	81.23	20.77	4.38	1.03	0.50	0.31	0.16	
7	0.28	0.40	3.30	2.30	3.54	53.68	32.70	4.14	0.99	0.50	0.28	0.16	
8	0.28	0.37	6.95	2.18	23.70	37.38	33.52	3.78	0.96	0.50	0.28	0.16	
9	0.28	0.31	2.80	2.50	20.55	34.90	22.13	3.66	0.96	0.50	0.28	0.16	
10	0.25	0.28	1.76	4.14	49.78	30.00	24.60	3.42	0.93	0.50	0.28	0.16	
11	0.22	0.28	6.80	5.00	70.45	24.15	20.10	3.42	0.93	0.47	0.28	0.13	
12	0.22	0.31	43.60	10.33	79.65	30.25	15.10	3.90	0.86	0.47	0.28	0.10	
13	0.22	0.34	18.07	15.30	64.15	26.25	15.50	4.50	0.82	0.47	0.28	0.10	
14	0.22	0.37	14.10	11.30	52.38	30.25	22.80	4.88	0.82	0.47	0.28	0.09	
15	0.34	0.40	8.80	5.75	73.40	39.02	26.00	4.50	0.82	0.43	0.34	0.09	
16	0.57	0.37	4.14	13.90	85.60	25.05	17.63	4.02	0.78	0.43	0.34	0.09	
17	0.43	0.43	2.80	12.90	36.83	25.50	14.70	3.42	0.78	0.43	0.31	0.09	
18	0.34	0.47	3.00	7.25	25.75	18.75	13.70	3.00	0.75	0.43	0.28	0.09	
19	0.31	0.57	2.60	5.00	73.78	15.50	18.30	2.80	0.75	0.47	0.25	0.09	
20	0.31	0.54	4.88	4.02	87.20	17.85	21.90	2.40	0.75	0.43	0.25	0.09	
21	0.28	0.54	25.50	7.10	60.30	17.85	13.50	2.24	0.72	0.43	0.25	0.09	
22	0.25	0.47	54.35	19.43	40.12	17.85	10.90	2.24	0.72	0.40	0.25	0.10	
23	0.25	0.61	27.75	17.17	29.00	21.22	9.31	2.06	0.72	0.37	0.25	0.19	
24	4.02	0.61	11.90	8.49	25.28	20.55	8.80	1.82	0.68	0.34	0.22	0.34	
25	1.22	0.57	7.71	5.63	21.68	54.70	8.18	1.64	0.65	0.34	0.22	0.22	
26	0.68	1.28	5.50	4.63	19.43	56.10	7.25	1.52	0.65	0.34	0.22	0.34	
27	0.57	2.06	4.75	3.78	15.90	26.25	6.35	1.46	0.65	0.34	0.22	0.37	
28	0.50	16.72	8.49	3.30	14.70	20.55	5.90	1.34	0.65	0.34	0.22	0.31	
29	0.47	11.70	8.18	2.80	23.03	25.28	5.50	1.34	0.61	0.34		0.31	
30	0.57	4.88	5.75	2.40	19.65	41.80	5.25	1.34	0.57	0.34		0.31	
31		3.10		2.30	17.17		5.00		0.54	0.34		0.37	
TOTAL	15.51	51.67	323.50	200.10	1051.52	967.71	521.17	96.11	25.91	13.43	7.81	5.63	3280.07 CMSDAY
MEAN	0.52	1.67	10.78	6.45	33.92	32.26	16.81	3.20	0.84	0.43	0.28	0.18	8.99 CMS
MAX	4.02	16.72	54.35	19.43	87.20	81.23	33.80	4.88	1.28	0.54	0.34	0.37	87.20 CMS
MIN	0.22	0.28	1.76	2.18	2.18	15.50	5.00	1.34	0.54	0.34	0.22	0.09	0.09 CMS
RUNOFF	1.340	4.464	27.950	17.289	90.851	83.610	45.029	8.304	2.239	1.160	0.675	0.486	283.398 MCM

MOMENTARY PEAK 95.30 CMS, AT 4.40 M (A.D), AT 9.00 HOURS, ON AUG 16, 1984

RUNOFF YIELD 16.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 179.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

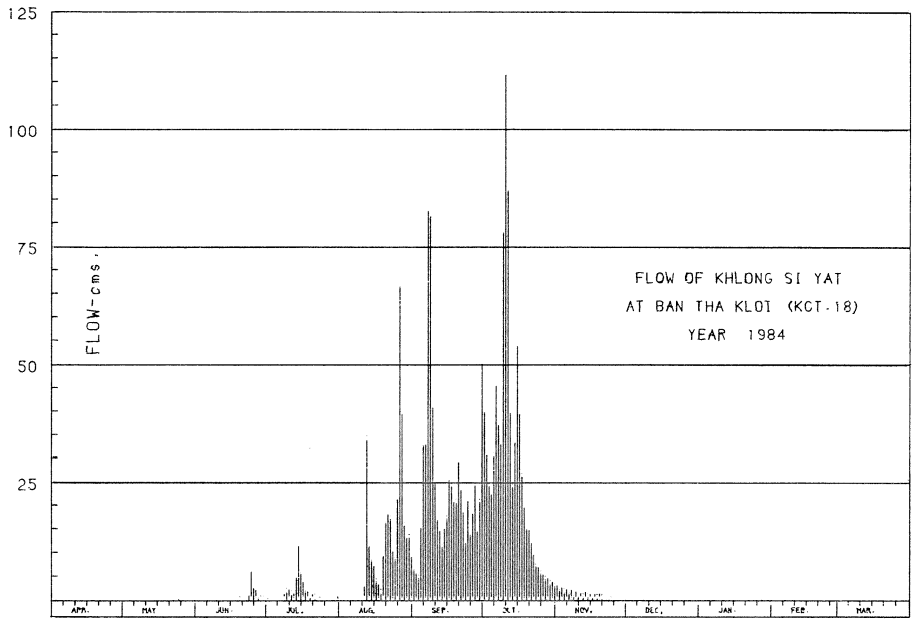
KHLONG SI YAT AT BAN THA KLOI, CHACHOENGSAO (KGT.18)

LOCATION	LAT. 13-28-29 N., LONG. 101-37-44 E., ON LEFT BANK AT BAN THA KLOI, AMPHOE SANAM CHAI KHET, CHACHOENGSAO.
DRAINAGE AREA	951 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	UNDER THE COCONUT TREE INFRONT OF THE STATION OFFICE.
ELEVATION	+7.213 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 75 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.89	0.80	0.83	1.02	0.88	2.06	3.99	1.58	0.99	0.80	0.80	0.78	
2	0.89	0.78	0.90	1.07	0.87	1.90	3.58	1.55	0.98	0.80	0.79	0.76	
3	0.87	0.78	0.91	1.05	0.87	1.87	3.27	1.52	0.98	0.79	0.79	0.75	
4	0.83	0.81	0.88	1.02	0.86	2.71	3.14	1.49	0.97	0.80	0.78	0.75	
5	0.82	0.80	0.86	1.02	0.85	3.70	3.60	1.46	0.96	0.79	0.78	0.74	
6	0.81	0.79	0.93	1.00	0.85	3.68	4.19	1.45	0.95	0.78	0.78	0.74	
7	0.80	0.78	0.95	1.06	0.87	5.43	3.88	1.44	0.93	0.78	0.78	0.74	
8	0.79	0.77	0.91	1.27	0.85	5.38	3.68	1.40	0.92	0.77	0.78	0.77	
9	0.79	0.77	1.11	1.50	0.85	4.03	5.30	1.36	0.92	0.77	0.76	0.78	
10	0.79	0.77	1.04	1.46	0.89	3.28	6.16	1.33	0.91	0.77	0.75	0.78	
11	0.78	0.77	0.97	1.42	1.55	2.85	5.55	1.30	0.91	0.78	0.75	0.78	
12	0.78	0.76	0.94	1.30	3.76	2.67	3.96	1.29	0.89	0.78	0.75	0.76	
13	0.79	0.78	0.92	1.90	2.44	2.47	3.26	1.36	0.89	0.77	0.74	0.75	
14	0.80	0.97	0.90	2.45	2.27	2.70	3.70	1.30	0.88	0.75	0.74	0.73	
15	0.80	1.00	0.89	1.99	2.10	2.87	4.52	1.27	0.88	0.76	0.74	0.75	
16	0.85	1.00	0.88	1.69	1.78	3.31	3.95	1.29	0.88	0.76	0.74	0.74	
17	0.85	0.91	0.96	1.51	1.61	3.27	3.38	1.27	0.88	0.76	0.74	0.72	
18	0.86	0.85	1.12	1.38	1.47	3.05	2.98	1.26	0.88	0.78	0.74	0.72	
19	0.83	0.98	1.13	1.30	2.28	3.08	2.73	1.28	0.88	0.77	0.77	0.72	
20	0.83	0.95	1.13	1.26	2.83	3.50	2.68	1.24	0.88	0.76	0.78	0.72	
21	0.82	0.87	1.08	1.27	2.89	3.22	2.53	1.21	0.88	0.76	0.78	0.72	
22	0.82	0.93	1.09	1.18	2.87	2.92	2.30	1.17	0.88	0.76	0.77	0.71	
23	0.81	1.05	1.36	1.11	2.36	2.54	2.16	1.14	0.87	0.76	0.75	0.71	
24	0.81	0.92	1.95	1.07	2.27	3.06	2.06	1.11	0.86	0.76	0.74	0.71	
25	0.79	0.91	1.63	1.02	3.08	2.65	1.96	1.08	0.84	0.78	0.75	0.70	
26	0.79	0.90	1.44	0.99	4.94	2.90	1.88	1.06	0.83	0.83	0.80	0.69	
27	0.79	0.90	1.30	0.96	3.95	3.27	1.84	1.04	0.82	0.96	0.80	0.69	
28	0.78	0.89	1.20	0.93	2.78	2.66	1.79	1.02	0.82	0.92	0.80	0.69	
29	0.78	0.87	1.18	0.92	2.57	3.08	1.73	1.00	0.82	0.88		0.69	
30	0.78	0.86	1.16	0.90	2.62	4.37	1.69	0.99	0.81	0.85		0.68	
31		0.86		0.89	2.27		1.65		0.80	0.82		0.68	
MEAN	0.81	0.86	1.08	1.26	2.04	3.15	3.20	1.28	0.89	0.79	0.77	0.73	
MAX	0.89	1.05	1.95	2.45	4.94	5.43	6.16	1.58	0.99	0.96	0.80	0.78	6.16
MIN	0.78	0.76	0.83	0.89	0.85	1.87	1.65	0.99	0.80	0.75	0.74	0.68	0.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.30 M (A.D), AT 24.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 7.42 M (A.D)
RIGHT BANK ELEVATION 6.89 M (A.D), DRAINAGE AREA 951 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.03	0.08	0.46	0.17	7.02	40.55	3.16	0.38	0.03	0.03	0.03	
2	0.18	0.03	0.20	0.61	0.15	5.70	30.90	2.95	0.36	0.03	0.03	0.02	
3	0.15	0.03	0.22	0.55	0.15	5.43	24.86	2.74	0.36	0.03	0.03	0.02	
4	0.08	0.05	0.17	0.46	0.13	15.36	22.52	2.54	0.34	0.03	0.03	0.02	
5	0.06	0.03	0.13	0.46	0.12	33.50	31.30	2.36	0.32	0.03	0.03	0.02	
6	0.05	0.03	0.26	0.40	0.12	33.06	45.55	2.30	0.30	0.03	0.03	0.02	
7	0.03	0.03	0.30	0.58	0.15	83.28	37.80	2.24	0.26	0.03	0.03	0.02	
8	0.03	0.02	0.22	1.38	0.12	81.50	33.06	2.00	0.24	0.02	0.03	0.02	
9	0.03	0.02	0.74	2.60	0.12	41.55	78.70	1.80	0.24	0.02	0.02	0.03	
10	0.03	0.02	0.52	2.36	0.18	25.04	111.66	1.65	0.22	0.02	0.02	0.03	
11	0.03	0.02	0.34	2.12	2.95	17.60	87.65	1.50	0.22	0.03	0.02	0.03	
12	0.03	0.02	0.28	1.50	34.88	14.75	39.80	1.46	0.18	0.03	0.02	0.02	
13	0.03	0.03	0.24	5.70	11.42	11.81	24.68	1.80	0.18	0.02	0.02	0.02	
14	0.03	0.34	0.20	11.55	9.19	15.20	33.50	1.50	0.17	0.02	0.02	0.02	
15	0.03	0.40	0.18	6.51	7.30	17.92	54.60	1.38	0.17	0.02	0.02	0.02	
16	0.12	0.40	0.17	3.93	4.64	25.59	39.55	1.46	0.17	0.02	0.02	0.02	
17	0.12	0.22	0.32	2.67	3.37	24.86	26.92	1.38	0.17	0.02	0.02	0.01	
18	0.13	0.12	0.78	1.90	2.42	20.90	19.68	1.34	0.17	0.03	0.02	0.01	
19	0.08	0.36	0.82	1.50	9.36	21.44	15.68	1.42	0.17	0.02	0.02	0.01	
20	0.08	0.30	0.82	1.34	17.28	29.30	14.90	1.26	0.17	0.02	0.03	0.01	
21	0.06	0.15	0.64	1.38	18.24	23.96	12.65	1.14	0.17	0.02	0.03	0.01	
22	0.06	0.26	0.67	1.02	17.92	18.72	9.70	0.98	0.17	0.02	0.02	0.01	
23	0.05	0.55	1.80	0.74	10.42	12.80	7.72	0.86	0.15	0.02	0.02	0.01	
24	0.05	0.24	6.15	0.61	9.19	21.08	7.02	0.74	0.13	0.02	0.02	0.01	
25	0.03	0.22	3.51	0.46	21.44	14.45	6.24	0.64	0.10	0.03	0.02	0.01	
26	0.03	0.20	2.24	0.38	67.20	18.40	5.52	0.58	0.08	0.08	0.03	0.01	
27	0.03	0.20	1.50	0.32	39.55	24.86	5.16	0.52	0.06	0.32	0.03	0.01	
28	0.03	0.18	1.10	0.26	16.48	14.60	4.72	0.46	0.06	0.24	0.03	0.01	
29	0.03	0.15	1.02	0.24	13.25	21.44	4.24	0.40	0.06	0.17		0.01	
30	0.03	0.13	0.94	0.20	14.00	50.29	3.93	0.38	0.05	0.12		0.01	
31		0.13		0.18	9.19		3.65		0.03	0.06		0.01	
TOTAL	1.90	4.91	26.56	54.37	341.10	751.41	884.41	44.94	5.85	1.60	0.69	0.51	2118.25 CMSDAY
MEAN	0.06	0.16	0.89	1.75	11.00	25.05	28.53	1.50	0.19	0.05	0.02	0.02	5.80 CMS
MAX	0.18	0.55	6.15	11.55	67.20	83.28	111.66	3.16	0.38	0.32	0.03	0.03	111.66 CMS
MIN	0.03	0.02	0.08	0.18	0.12	5.43	3.65	0.38	0.03	0.02	0.02	0.01	0.01 CMS
RUNOFF	0.164	0.424	2.295	4.698	29.471	64.922	76.413	3.883	0.505	0.138	0.060	0.044	183.017 MCM

MOMENTARY PEAK 117.50 CMS, AT 6.30 M (A.D), AT 24.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD 6.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 123.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

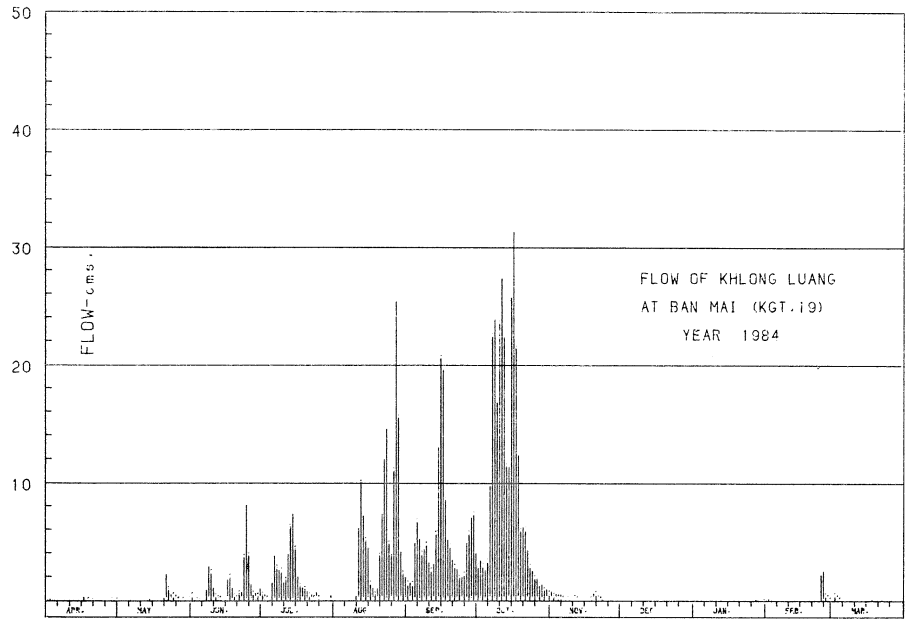
KHLONG LUANG AT BAN MAI, CHON BURI (KGT.19)

LOCATION	LAT. 13-23-17 N., LONG. 101-20-40 E., ON LEFT BANK ABOUT 4 KILOMETERS EAST OF KHOK PHO MARKET AND ABOUT 16 KILOMETERS FROM AMPHOE PHANAT NIKHOM, CHON BURI.
DRAINAGE AREA	535 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+20.124 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BESIDE THE METEOROLOGICAL STATION.
ELEVATION	+25.658 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1974
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +25.29 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 336 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	20.62	20.71	21.10	21.10	20.69	21.49	21.96	21.12	20.74	20.65	20.68	20.86	
2	20.62	20.69	20.88	21.00	20.68	21.43	22.04	21.07	20.72	20.65	20.66	21.08	
3	20.61	20.68	20.82	20.93	20.66	21.48	21.98	21.02	20.72	20.65	20.65	20.98	
4	20.62	20.66	20.78	20.89	20.66	22.43	21.79	21.00	20.72	20.65	20.64	20.83	
5	20.65	20.65	20.76	21.55	20.70	22.93	22.09	20.99	20.72	20.64	20.63	20.75	
6	20.64	20.64	20.87	22.16	20.69	22.52	23.47	20.94	20.71	20.63	20.62	20.73	
7	20.62	20.64	21.34	21.94	20.67	22.26	24.91	20.92	20.71	20.62	20.62	20.70	
8	20.60	20.65	21.90	21.79	20.66	22.30	24.98	20.90	20.70	20.63	20.62	20.69	
9	20.60	20.63	21.82	21.86	20.69	22.46	24.47	20.89	20.69	20.62	20.62	20.68	
10	20.60	20.62	21.27	21.44	21.01	22.00	24.98	20.87	20.69	20.62	20.61	20.67	
11	20.59	20.61	21.04	21.60	22.75	21.86	25.16	20.97	20.68	20.63	20.61	20.66	
12	20.58	20.62	20.96	22.20	23.56	21.96	24.89	20.90	20.68	20.63	20.60	20.65	
13	20.58	20.64	20.92	22.83	22.98	22.69	23.78	20.86	20.67	20.62	20.60	20.64	
14	20.60	20.80	20.86	23.01	22.55	23.98	23.74	20.84	20.66	20.62	20.60	20.63	
15	20.70	20.76	20.91	22.37	22.33	24.79	25.09	20.82	20.66	20.61	20.60	20.64	
16	20.99	20.74	21.53	21.61	21.49	24.70	25.29	20.83	20.66	20.62	20.60	20.63	
17	20.90	20.71	21.69	21.42	21.26	23.30	24.84	20.88	20.65	20.61	20.58	20.62	
18	20.81	20.69	21.26	21.28	21.13	22.50	23.89	20.90	20.64	20.60	20.59	20.61	
19	20.76	20.69	21.05	21.32	21.24	22.42	22.74	21.03	20.64	20.61	20.58	20.60	
20	20.73	20.97	20.95	21.13	22.22	22.06	22.77	21.16	20.66	20.61	20.58	20.59	
21	20.73	21.68	21.18	21.10	23.01	21.96	22.78	20.96	20.64	20.61	20.59	20.58	
22	20.72	21.33	21.09	21.00	23.88	21.83	22.28	20.89	20.65	20.61	20.59	20.58	
23	20.70	21.00	22.20	20.96	24.19	21.65	21.96	20.85	20.66	20.62	20.60	20.58	
24	20.69	21.10	23.16	21.08	22.48	21.60	21.78	20.83	20.66	20.63	21.70	20.58	
25	20.74	20.98	22.23	20.96	22.20	21.75	21.65	20.80	20.66	20.67	21.77	20.59	
26	20.72	20.86	21.38	20.87	23.73	22.44	21.56	20.78	20.66	20.68	21.07	20.60	
27	20.72	20.89	21.16	20.82	25.06	22.70	21.46	20.77	20.66	20.81	21.00	20.59	
28	20.83	20.83	21.05	20.78	24.33	22.95	21.38	20.76	20.65	20.82	20.83	20.57	
29	20.83	20.79	21.08	20.74	22.25	23.05	21.30	20.74	20.65	20.75		20.56	
30	20.76	20.75	21.24	20.71	21.78	22.22	21.22	20.74	20.65	20.72		20.57	
31		20.90		20.70	21.60		21.17		20.65	20.69		20.60	
MEAN	20.70	20.80	21.28	21.39	22.04	22.46	23.01	20.90	20.67	20.65	20.73	20.67	
MAX	20.99	21.68	23.16	23.01	25.06	24.79	25.29	21.16	20.74	20.82	21.77	21.08	25.29
MIN	20.58	20.61	20.76	20.70	20.66	21.43	21.17	20.74	20.64	20.60	20.58	20.56	20.56

ANNUAL MAX MOMENTARY GAGE HEIGHT 25.41 M (MSL), AT 1.00 HOURS, ON OCT 16, 1984
ZERO GAGE AT BOTTOM ELEVATION 20.12 M (MSL), RIVER BED 20.06 M (MSL)
LEFT BANK ELEVATION 25.28 M (MSL)
RIGHT BANK ELEVATION 24.58 M (MSL), DRAINAGE AREA 535 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.16	0.70	0.70	0.14	1.67	3.11	0.74	0.19	0.13	0.14	0.31	
2	0.11	0.14	0.33	0.50	0.14	1.49	3.39	0.64	0.17	0.13	0.13	0.66	
3	0.11	0.14	0.27	0.40	0.13	1.64	3.18	0.54	0.17	0.13	0.13	0.47	
4	0.11	0.13	0.23	0.34	0.13	4.87	2.57	0.50	0.17	0.13	0.12	0.28	
5	0.13	0.13	0.21	1.85	0.15	6.95	3.56	0.49	0.17	0.12	0.12	0.20	
6	0.12	0.12	0.32	3.81	0.14	5.23	9.74	0.41	0.16	0.12	0.11	0.18	
7	0.11	0.12	1.25	3.04	0.13	4.19	22.67	0.38	0.16	0.11	0.11	0.15	
8	0.10	0.13	2.90	2.57	0.13	4.35	23.86	0.35	0.15	0.12	0.11	0.14	
9	0.10	0.12	2.66	2.78	0.14	4.99	17.10	0.34	0.14	0.11	0.11	0.14	
10	0.10	0.11	1.08	1.52	0.52	3.25	23.86	0.32	0.14	0.11	0.11	0.13	
11	0.09	0.11	0.58	2.00	6.15	2.78	27.64	0.46	0.14	0.12	0.11	0.13	
12	0.09	0.11	0.44	3.95	10.26	3.11	22.35	0.35	0.14	0.12	0.10	0.13	
13	0.09	0.12	0.38	6.49	7.20	5.91	11.62	0.31	0.13	0.11	0.10	0.12	
14	0.10	0.25	0.31	7.35	5.35	13.01	11.36	0.29	0.13	0.11	0.10	0.12	
15	0.15	0.21	0.37	4.63	4.47	20.86	26.00	0.27	0.13	0.11	0.10	0.12	
16	0.49	0.19	1.79	2.03	1.67	19.60	31.30	0.28	0.13	0.11	0.10	0.12	
17	0.35	0.16	2.27	1.46	1.05	8.80	21.60	0.33	0.13	0.11	0.09	0.11	
18	0.26	0.14	1.05	1.10	0.76	5.15	12.38	0.35	0.12	0.10	0.09	0.11	
19	0.21	0.14	0.60	1.20	1.00	4.83	6.11	0.56	0.12	0.11	0.09	0.10	
20	0.18	0.46	0.43	0.76	4.03	3.46	6.23	0.82	0.13	0.11	0.09	0.09	
21	0.18	2.24	0.86	0.70	7.35	3.11	6.27	0.44	0.12	0.11	0.09	0.09	
22	0.17	1.23	0.68	0.50	12.31	2.69	4.27	0.34	0.13	0.11	0.09	0.09	
23	0.15	0.50	3.95	0.44	14.57	2.15	3.11	0.30	0.13	0.11	0.10	0.09	
24	0.14	0.70	8.10	0.66	5.07	2.00	2.54	0.28	0.13	0.12	2.30	0.09	
25	0.19	0.47	4.07	0.44	3.95	2.45	2.15	0.25	0.13	0.13	2.51	0.09	
26	0.17	0.31	1.35	0.32	11.30	4.91	1.88	0.23	0.13	0.14	0.64	0.10	
27	0.17	0.34	0.82	0.27	25.40	5.95	1.58	0.22	0.13	0.26	0.50	0.09	
28	0.28	0.28	0.60	0.23	15.77	7.05	1.35	0.21	0.13	0.27	0.28	0.09	
29	0.28	0.24	0.66	0.19	4.15	7.55	1.15	0.19	0.13	0.20		0.08	
30	0.21	0.20	1.00	0.16	2.54	4.03	0.95	0.19	0.13	0.17		0.09	
31		0.35		0.15	2.00		0.84		0.13	0.14		0.10	
TOTAL	5.05	10.05	40.26	52.54	148.10	168.03	315.72	11.38	4.34	4.08	8.67	4.81	773.03 CMSDAY
MEAN	0.17	0.32	1.34	1.69	4.78	5.60	10.18	0.38	0.14	0.13	0.31	0.16	2.12 CMS
MAX	0.49	2.24	8.10	7.35	25.40	20.86	31.30	0.82	0.19	0.27	2.51	0.66	31.30 CMS
MIN	0.09	0.11	0.21	0.15	0.13	1.49	0.84	0.19	0.12	0.10	0.09	0.08	0.08 CMS
RUNOFF	0.436	0.868	3.478	4.539	12.796	14.518	27.278	0.983	0.375	0.353	0.749	0.416	66.790 MCM

MOMENTARY PEAK 37.03 CMS, AT 25.41 M (MSL), AT 1.00 HOURS, ON OCT 16, 1984

RUNOFF YIELD 3.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 69.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

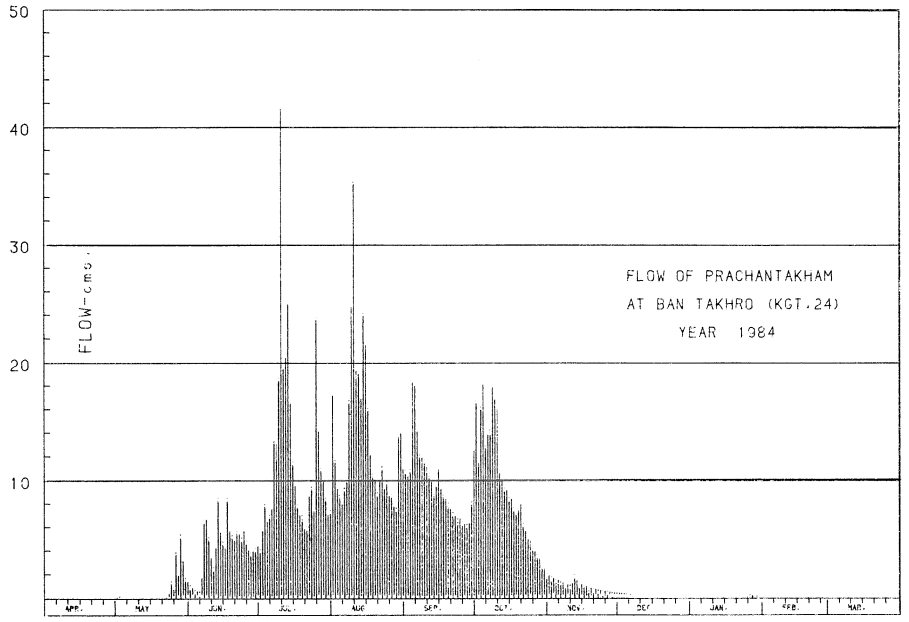
PRACHANTAKHAM RIVER AT BAN TAKHLO, PRACHIN BURI (KGT.24)

LOCATION	LAT. 14-10-34 N., LONG. 101-35-30 E., ON RIGHT BANK AT BAN TAKHRO, AMPHOE PRACHANTAKHAM, PRACHIN BURI.
DRAINAGE AREA	121 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE STATION OFFICE.
ELEVATION	+8.365 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY PRACHANTAKHAM DAM. STAGE-DISCHARGE RELATION DEFINED BY 84 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.62	0.98	1.41	2.54	2.09	2.51	1.19	0.78	0.64	0.61	0.52	
2	0.57	0.65	0.92	1.58	2.17	2.04	2.15	1.16	0.77	0.64	0.59	0.51	
3	0.55	0.61	0.88	1.81	1.93	2.10	2.47	1.13	0.76	0.63	0.59	0.50	
4	0.55	0.65	0.84	1.66	1.88	2.63	2.61	1.11	0.75	0.62	0.59	0.50	
5	0.55	0.62	0.83	1.72	1.81	2.63	2.25	1.09	0.74	0.62	0.59	0.50	
6	0.54	0.62	1.14	1.77	1.94	2.32	2.30	1.05	0.73	0.62	0.59	0.49	
7	0.54	0.61	1.68	2.27	1.99	2.21	2.33	1.03	0.73	0.62	0.59	0.49	
8	0.54	0.60	1.68	2.26	2.51	2.20	2.59	1.01	0.73	0.62	0.59	0.50	
9	0.53	0.60	1.52	2.67	3.02	2.18	2.54	0.99	0.72	0.63	0.58	0.50	
10	0.53	0.60	1.32	3.93	3.61	2.12	2.46	0.98	0.71	0.63	0.57	0.49	
11	0.53	0.60	1.25	2.74	2.72	2.06	2.09	1.01	0.71	0.63	0.57	0.49	
12	0.52	0.60	1.42	2.78	2.72	1.99	2.00	1.20	0.71	0.63	0.57	0.48	
13	0.52	0.60	1.86	3.05	2.52	1.89	1.94	1.08	0.70	0.63	0.58	0.48	
14	0.52	0.60	1.57	2.49	2.99	1.95	1.92	1.00	0.70	0.62	0.60	0.47	
15	0.52	0.60	1.48	2.16	2.84	2.12	1.86	1.00	0.70	0.61	0.59	0.47	
16	0.52	0.59	1.42	1.96	2.46	1.93	1.85	0.98	0.70	0.60	0.58	0.47	
17	0.52	0.59	1.86	1.81	2.21	1.88	1.78	0.95	0.69	0.60	0.58	0.47	
18	0.51	0.59	1.58	1.72	2.06	1.85	1.72	0.93	0.68	0.59	0.56	0.47	
19	0.51	0.59	1.54	1.72	2.01	1.82	1.78	0.92	0.68	0.59	0.56	0.47	
20	0.51	0.61	1.49	1.60	1.90	1.77	1.81	0.90	0.69	0.59	0.57	0.47	
21	0.52	0.60	1.58	1.62	2.01	1.74	1.65	0.89	0.69	0.59	0.60	0.50	
22	0.53	0.60	1.55	1.87	2.12	1.71	1.58	0.87	0.68	0.58	0.61	0.51	
23	0.55	0.76	1.52	1.95	1.93	1.69	1.54	0.86	0.67	0.58	0.56	0.50	
24	0.61	1.07	1.58	1.75	2.00	1.69	1.49	0.86	0.66	0.58	0.55	0.49	
25	0.60	0.88	1.49	2.97	1.87	1.66	1.44	0.84	0.66	0.62	0.55	0.49	
26	0.58	1.38	1.40	2.32	1.89	1.64	1.39	0.83	0.66	0.73	0.54	0.49	
27	0.57	1.19	1.38	2.11	1.79	1.64	1.36	0.81	0.65	0.80	0.53	0.49	
28	0.56	1.55	1.39	2.00	1.78	1.65	1.31	0.80	0.65	0.70	0.53	0.48	
29	0.55	1.29	1.42	1.86	2.29	1.83	1.27	0.80	0.65	0.65		0.47	
30	0.55	1.14	1.44	1.72	2.33	2.23	1.24	0.78	0.65	0.63		0.47	
31		1.06		1.76	2.10		1.21		0.64	0.62		0.46	
MEAN	0.54	0.76	1.40	2.10	2.26	1.98	1.89	0.97	0.70	0.63	0.58	0.49	
MAX	0.61	1.55	1.86	3.93	3.61	2.63	2.61	1.20	0.78	0.80	0.61	0.52	3.93
MIN	0.51	0.59	0.83	1.41	1.78	1.64	1.21	0.78	0.64	0.58	0.53	0.46	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.86 M (A.D), AT 9.00 HOURS, ON JUL 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.27 M (A.D)
LEFT BANK ELEVATION 7.97 M (A.D)
RIGHT BANK ELEVATION 8.28 M (A.D), DRAINAGE AREA 121 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.12	1.12	4.19	17.26	10.90	16.84	1.96	0.45	0.15	0.11	0.03	
2	0.07	0.17	0.88	5.72	11.70	10.40	11.50	1.84	0.42	0.15	0.08	0.02	
3	0.05	0.11	0.74	8.01	9.30	11.00	16.28	1.72	0.40	0.14	0.08	0.01	
4	0.05	0.17	0.62	6.50	8.78	18.37	18.19	1.64	0.38	0.12	0.08	0.01	
5	0.05	0.12	0.59	7.10	8.01	18.37	12.95	1.56	0.35	0.12	0.08	0.01	
6	0.04	0.12	1.76	7.60	9.40	14.18	13.90	1.40	0.33	0.12	0.08	0.01	
7	0.04	0.11	6.70	13.33	9.90	12.19	14.32	1.32	0.33	0.12	0.08	0.01	
8	0.04	0.09	6.70	13.14	16.84	12.00	17.96	1.24	0.33	0.12	0.08	0.01	
9	0.03	0.09	5.18	18.73	24.74	11.80	17.26	1.16	0.30	0.14	0.07	0.01	
10	0.03	0.09	3.46	41.60	35.39	11.20	16.14	1.12	0.27	0.14	0.07	0.01	
11	0.03	0.09	2.65	19.72	19.36	10.60	10.90	1.24	0.27	0.14	0.07	0.01	
12	0.03	0.09	4.28	20.44	19.36	9.90	10.00	2.00	0.27	0.14	0.07	0.01	
13	0.03	0.09	8.56	25.25	16.98	8.89	9.40	1.52	0.25	0.14	0.07	0.01	
14	0.03	0.09	5.63	16.56	24.22	9.50	9.20	1.20	0.25	0.12	0.09	0.01	
15	0.03	0.09	4.82	11.60	21.52	11.20	8.56	1.20	0.25	0.11	0.08	0.01	
16	0.03	0.08	4.28	9.60	16.14	9.30	8.45	1.12	0.25	0.09	0.07	0.01	
17	0.03	0.08	8.56	8.01	12.19	8.78	7.70	1.00	0.23	0.09	0.07	0.01	
18	0.02	0.08	5.72	7.10	10.60	8.45	7.10	0.92	0.22	0.08	0.06	0.01	
19	0.02	0.08	5.36	7.10	10.10	8.12	7.70	0.88	0.22	0.08	0.06	0.01	
20	0.02	0.11	4.91	5.90	9.00	7.60	8.01	0.80	0.23	0.08	0.07	0.01	
21	0.03	0.09	5.72	6.10	10.10	7.30	6.40	0.77	0.23	0.08	0.09	0.01	
22	0.03	0.09	5.45	8.67	11.20	7.00	5.72	0.71	0.22	0.07	0.11	0.02	
23	0.05	0.40	5.18	9.50	9.30	6.80	5.36	0.68	0.20	0.07	0.06	0.01	
24	0.11	1.48	5.72	7.40	10.00	6.80	4.91	0.68	0.19	0.07	0.05	0.01	
25	0.09	0.74	4.91	23.86	8.67	6.50	4.46	0.62	0.19	0.12	0.05	0.01	
26	0.07	3.94	4.10	14.18	8.89	6.30	4.02	0.59	0.19	0.33	0.04	0.01	
27	0.07	1.96	3.94	11.10	7.80	6.30	3.78	0.53	0.17	0.50	0.03	0.01	
28	0.06	5.45	4.02	10.00	7.70	6.40	3.38	0.50	0.17	0.25	0.03	0.01	
29	0.05	3.17	4.28	8.56	13.71	8.23	2.91	0.50	0.17	0.17		0.01	
30	0.05	1.76	4.46	7.10	14.32	12.57	2.52	0.45	0.17	0.14		0.01	
31		1.44		7.50	11.00		2.13		0.15	0.12		0.01	
TOTAL	1.35	22.59	130.30	371.17	423.48	296.95	287.95	32.87	8.05	4.31	1.98	0.35	1581.35 CMSDAY
MEAN	0.04	0.73	4.34	11.97	13.66	9.90	9.29	1.10	0.26	0.14	0.07	0.01	4.33 CMS
MAX	0.11	5.45	8.56	41.60	35.39	18.37	18.19	2.00	0.45	0.50	0.11	0.03	41.60 CMS
MIN	0.02	0.08	0.59	4.19	7.70	6.30	2.13	0.45	0.15	0.07	0.03	0.01	0.01 CMS
RUNOFF	0.117	1.952	11.258	32.069	36.589	25.656	24.879	2.840	0.696	0.372	0.171	0.030	136.629 MCM

MOMENTARY PEAK 83.19 CMS, AT 5.86 M (A.D), AT 9.00 HOURS, ON JUL 10, 1984

RUNOFF YIELD 35.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 687.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

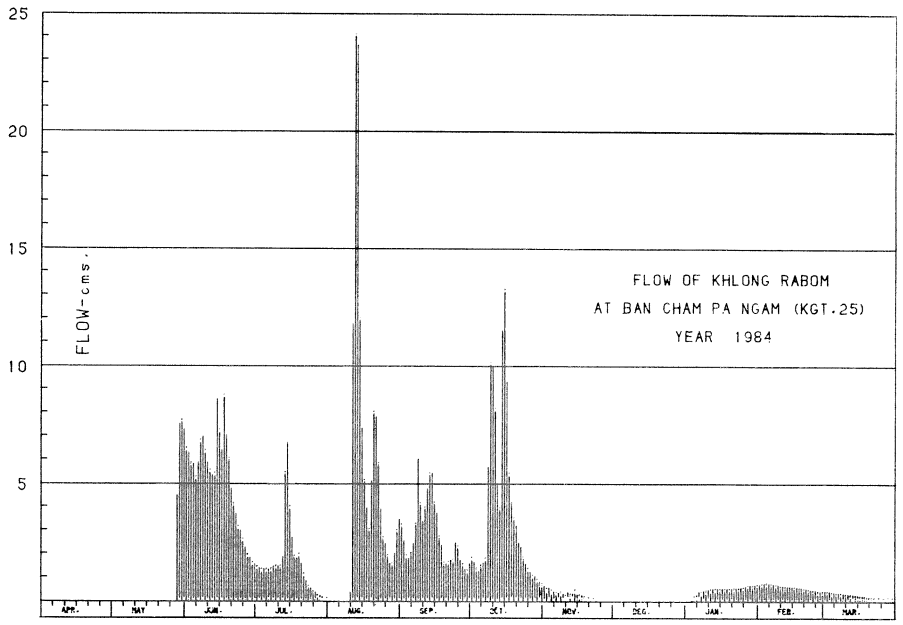
KHLONG RABOM AT BAN CHAM PA NGAM, CHACHOENGSAO (KGT.25)

LOCATION	LAT. 13-41-09 N., LONG. 101-36-32 E., ON LEFT BANK AT BAN CHAM PA NGAM, AMPHOE SANAM CHAI KHET, CHACHOENGSAO
DRAINAGE AREA	243 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ON LEFT BANK NEAR THE GAGE SITE, B.M.2 INFRONT OF THE OBSERVER S HOUSE.
ELEVATION	B.M.1=+4.877 M. (A.D.), B.M.2=+8.490 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.70 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. THE MEASURING LINE ABOUT 300 METERS DOWNSTREAM FROM THE LOCAL RESIDENT WEIR. STAGE-DISCHARGE RELATION DEFINED BY 60 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D). WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.57	2.30	2.97	1.74	1.05	2.26	1.87	1.40	0.98	0.97	1.42	1.29	
2	2.57	2.30	2.93	1.71	1.04	2.07	1.80	1.36	0.97	1.04	1.44	1.28	
3	2.56	2.30	2.85	1.70	1.02	1.90	1.71	1.36	0.97	1.09	1.45	1.27	
4	2.55	2.29	2.84	1.70	1.02	1.85	1.66	1.32	0.96	1.13	1.45	1.25	
5	2.54	2.28	2.73	1.70	1.01	1.93	1.76	1.27	0.95	1.16	1.44	1.25	
6	2.53	2.27	2.85	1.69	1.00	2.04	1.79	1.26	0.95	1.26	1.44	1.24	
7	2.52	2.25	3.03	1.71	0.99	2.27	1.86	1.24	0.94	1.27	1.43	1.23	
8	2.51	2.25	3.05	1.74	0.98	2.88	2.81	1.27	0.94	1.29	1.42	1.23	
9	2.51	2.24	2.95	1.75	1.02	2.48	3.53	1.21	0.94	1.31	1.42	1.22	
10	2.51	2.24	2.85	1.74	1.35	2.29	3.50	1.17	0.93	1.31	1.40	1.21	
11	2.50	2.22	2.79	1.75	3.74	2.44	3.25	1.25	0.93	1.33	1.40	1.20	
12	2.50	2.21	2.74	1.87	4.80	2.62	2.67	1.22	0.93	1.33	1.39	1.19	
13	2.49	2.19	2.76	2.77	4.77	2.76	2.43	1.21	0.92	1.34	1.38	1.18	
14	2.49	2.19	3.31	3.01	3.77	2.76	3.71	1.33	0.92	1.34	1.38	1.17	
15	2.48	2.18	3.10	2.45	3.11	2.49	3.91	1.18	0.91	1.34	1.38	1.16	
16	2.47	2.18	2.95	2.11	2.70	2.38	3.42	1.20	0.91	1.34	1.38	1.15	
17	2.46	2.17	3.34	1.89	2.43	2.13	2.76	1.16	0.91	1.34	1.37	1.14	
18	2.45	2.17	3.06	1.85	2.21	2.02	2.49	1.13	0.91	1.33	1.36	1.13	
19	2.44	2.16	2.89	1.92	2.69	1.80	2.33	1.11	0.91	1.34	1.35	1.11	
20	2.43	2.16	2.62	1.78	3.23	1.77	2.24	1.09	0.90	1.34	1.34	1.09	
21	2.42	2.15	2.48	1.63	3.19	1.81	2.09	1.07	0.90	1.35	1.33	1.08	
22	2.41	2.15	2.37	1.50	2.85	1.83	2.00	1.05	0.90	1.35	1.32	1.08	
23	2.40	2.14	2.24	1.41	2.42	1.84	1.87	1.04	0.89	1.35	1.31	1.07	
24	2.39	2.14	2.19	1.35	2.12	2.05	1.77	1.02	0.89	1.36	1.30	1.07	
25	2.38	2.13	2.10	1.29	2.04	2.01	1.71	1.02	0.89	1.37	1.30	1.07	
26	2.36	2.12	1.99	1.25	1.90	1.83	1.65	1.00	0.89	1.39	1.28	1.04	
27	2.35	2.11	1.91	1.19	1.78	1.78	1.60	1.00	0.88	1.41	1.27	1.07	
28	2.34	2.56	1.86	1.15	1.79	1.69	1.58	1.00	0.88	1.41	1.28	1.09	
29	2.32	3.14	1.80	1.11	1.92	1.68	1.53	1.00	0.88	1.41		1.09	
30	2.31	3.17	1.77	1.08	2.20	1.78	1.48	1.00	0.88	1.42		1.08	
31		3.10		1.06	2.31		1.45		0.88	1.42		1.07	
MEAN	2.46	2.31	2.64	1.70	2.21	2.11	2.27	1.16	0.92	1.30	1.37	1.15	
MAX	2.57	3.17	3.34	3.01	4.80	2.88	3.91	1.40	0.98	1.42	1.45	1.29	4.80
MIN	2.31	2.11	1.77	1.06	0.98	1.68	1.45	1.00	0.88	0.97	1.27	1.04	0.88

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.00 M (A.D), AT 18.00 HOURS, ON AUG 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.06 M (A.D)
LEFT BANK ELEVATION 5.33 M (A.D)
RIGHT BANK ELEVATION 4.61 M (A.D), DRAINAGE AREA 243 SQUARE KILOMETERS



DISCHARGE. IN CUBIC METER PER SECOND. WATER YEAR APRIL 1. 1984 TO MARCH 31. 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	6.53	1.50	0.14	3.29	1.89	0.65	0.09	0.08	0.70	0.44	
2	0.00	0.00	6.32	1.42	0.13	2.57	1.67	0.57	0.08	0.13	0.74	0.43	
3	0.00	0.00	5.90	1.39	0.12	1.98	1.42	0.57	0.08	0.17	0.77	0.41	
4	0.00	0.00	5.85	1.39	0.12	1.83	1.28	0.50	0.07	0.22	0.77	0.38	
5	0.00	0.00	5.31	1.39	0.11	2.08	1.56	0.41	0.07	0.25	0.74	0.38	
6	0.00	0.00	5.90	1.36	0.10	2.46	1.64	0.40	0.07	0.40	0.74	0.36	
7	0.00	0.00	6.88	1.42	0.09	3.33	1.86	0.36	0.06	0.41	0.72	0.35	
8	0.00	0.00	7.00	1.50	0.09	6.05	5.70	0.41	0.06	0.44	0.70	0.35	
9	0.00	0.00	6.43	1.53	0.12	4.19	10.17	0.32	0.06	0.48	0.70	0.33	
10	0.00	0.00	5.90	1.50	0.56	3.41	9.95	0.26	0.05	0.48	0.65	0.32	
11	0.00	0.00	5.60	1.53	11.79	4.02	8.22	0.38	0.05	0.52	0.65	0.30	
12	0.00	0.00	5.36	1.89	24.15	4.79	5.03	0.33	0.05	0.52	0.63	0.29	
13	0.00	0.00	5.46	5.51	23.68	5.46	3.98	0.32	0.04	0.54	0.61	0.28	
14	0.00	0.00	8.60	6.76	12.05	5.46	11.53	0.52	0.04	0.54	0.61	0.26	
15	0.00	0.00	7.30	4.06	7.36	4.23	13.29	0.28	0.04	0.54	0.61	0.25	
16	0.00	0.00	6.43	2.71	5.17	3.77	9.35	0.30	0.04	0.54	0.61	0.24	
17	0.00	0.00	8.80	1.95	3.98	2.78	5.46	0.25	0.04	0.54	0.59	0.23	
18	0.00	0.00	7.06	1.83	3.09	2.39	4.23	0.22	0.04	0.52	0.57	0.22	
19	0.00	0.00	6.10	2.05	5.12	1.67	3.57	0.19	0.04	0.54	0.56	0.19	
20	0.00	0.00	4.79	1.61	8.09	1.59	3.21	0.17	0.03	0.54	0.54	0.17	
21	0.00	0.00	4.19	1.20	7.84	1.70	2.64	0.16	0.03	0.56	0.52	0.16	
22	0.00	0.00	3.73	0.88	5.90	1.76	2.32	0.14	0.03	0.56	0.50	0.16	
23	0.00	0.00	3.21	0.67	3.93	1.79	1.89	0.13	0.03	0.56	0.48	0.16	
24	0.00	0.00	3.01	0.56	2.75	2.50	1.59	0.12	0.03	0.57	0.46	0.16	
25	0.00	0.00	2.67	0.44	2.46	2.36	1.42	0.12	0.03	0.59	0.46	0.16	
26	0.00	0.00	2.29	0.38	1.98	1.76	1.25	0.10	0.03	0.63	0.43	0.13	
27	0.00	0.00	2.01	0.29	1.61	1.61	1.12	0.10	0.02	0.67	0.41	0.16	
28	0.00	4.53	1.86	0.24	1.64	1.36	1.07	0.10	0.02	0.67	0.43	0.17	
29	0.00	7.54	1.67	0.19	2.05	1.34	0.95	0.10	0.02	0.67		0.17	
30	0.00	7.72	1.59	0.16	3.05	1.61	0.83	0.10	0.02	0.70		0.16	
31		7.30		0.15	3.49		0.77		0.02	0.70		0.16	
TOTAL	0.00	27.09	153.75	49.46	142.76	85.14	120.86	8.58	1.38	15.28	16.90	7.93	629.13 CMSDAY
MEAN	0.00	0.87	5.12	1.60	4.61	2.84	3.90	0.29	0.04	0.49	0.60	0.26	1.72 CMS
MAX	0.00	7.72	8.80	6.76	24.15	6.05	13.29	0.65	0.09	0.70	0.77	0.44	24.15 CMS
MIN	0.00	0.00	1.59	0.15	0.09	1.34	0.77	0.10	0.02	0.08	0.41	0.13	0.00 CMS
RUNOFF	0.000	2.341	13.284	4.273	12.334	7.356	10.442	0.741	0.119	1.320	1.460	0.685	54.357 MCM

MOMENTARY PEAK 27.55 CMS. AT 5.00 M (A.D). AT 18.00 HOURS. ON AUG 12. 1984

RUNOFF YIELD 7.09 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 113.37 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

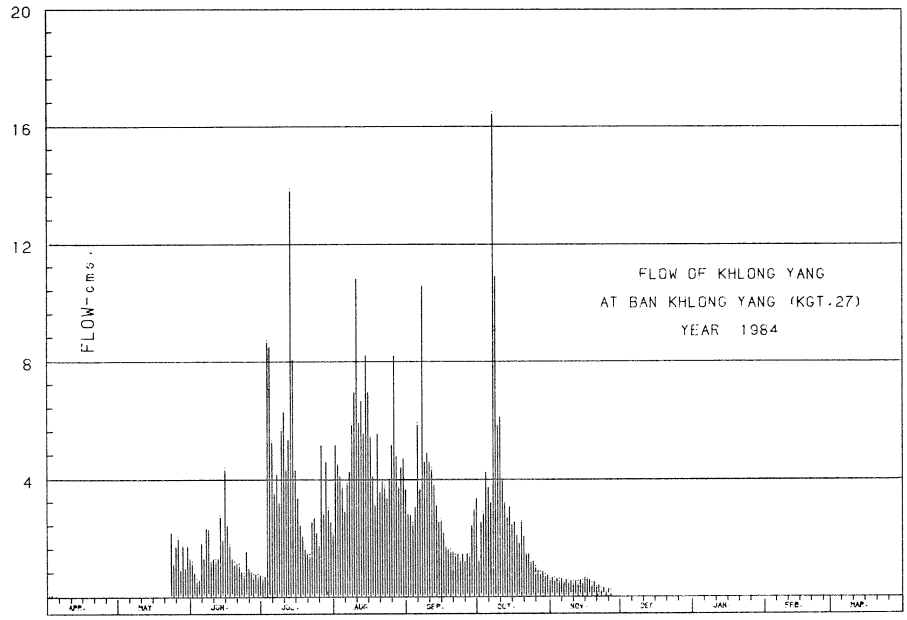
KHLONG YANG AT BAN KHLONG YANG, NAKHON NAYOK (KGT.27)

LOCATION	LAT. 14-12-02 N., LONG. 101-22-05 E., ON RIGHT BANK ATBAN KHLONG YANG, TAMBON NA HIN LAT, AMPHOE PAK PHLI, NAKHON NAYOK.
DRAINAGE AREA	45 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ON THE TOP STAFF GAGE.
ELEVATION	+3.918 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.33	0.64	0.55	0.94	0.80	0.65	0.54	0.51	0.50	0.33	0.28	
2	0.34	0.32	0.58	0.55	0.91	0.79	0.77	0.54	0.55	0.50	0.35	0.29	
3	0.33	0.31	0.53	1.11	0.88	0.77	0.80	0.53	0.55	0.51	0.36	0.29	
4	0.33	0.31	0.52	1.10	0.86	0.81	0.89	0.53	0.55	0.50	0.34	0.28	
5	0.33	0.31	0.72	0.95	0.80	0.98	0.86	0.53	0.54	0.50	0.37	0.28	
6	0.32	0.31	0.65	0.84	0.87	0.85	0.82	0.53	0.54	0.50	0.36	0.28	
7	0.32	0.30	0.76	0.89	0.89	1.19	1.40	0.52	0.54	0.51	0.33	0.28	
8	0.32	0.29	0.75	0.82	0.98	0.91	1.20	0.52	0.53	0.50	0.35	0.30	
9	0.32	0.29	0.65	0.97	1.03	0.93	0.98	0.51	0.54	0.50	0.39	0.32	
10	0.31	0.28	0.65	1.00	1.20	0.91	0.99	0.51	0.53	0.49	0.38	0.31	
11	0.31	0.27	0.65	0.90	0.98	0.90	0.88	0.51	0.53	0.49	0.31	0.31	
12	0.31	0.27	0.65	0.95	1.02	0.86	0.82	0.51	0.54	0.49	0.30	0.30	
13	0.31	0.26	0.79	1.31	0.96	0.82	0.79	0.52	0.53	0.45	0.31	0.30	
14	0.31	0.26	0.72	1.80	1.09	0.77	0.81	0.52	0.39	0.40	0.31	0.31	
15	0.31	0.28	0.90	0.90	1.03	0.78	0.77	0.54	0.39	0.38	0.31	0.29	
16	0.29	0.27	0 76	0.83	0.96	0.74	0.77	0.56	0.43	0.40	0.31	0.26	
17	0.30	0.29	0.17	0.77	0.88	0.71	0.74	0.52	0.45	0.33	0.30	0.25	
18	0.31	0.29	0.65	0.73	0.82	0.69	0.71	0.50	0.49	0.34	0.31	0.25	
19	0.31	0.28	0.64	0.70	0.96	0.69	0.78	0.50	0.49	0.35	0.30	0.23	
20	0.32	0.37	0.63	0.67	0.85	0.68	0.73	0.49	0.47	0.35	0.31	0.22	
21	0.30	0.34	0.63	0.67	0.87	0.67	0.68	0.47	0.40	0.34	0.30	0.21	
22	0.31	0.33	0.59	0.77	0.86	0.67	0.67	0.45	1.49	0.34	0.29	0.21	
23	0.33	1.14	0.58	0.79	0.83	0.65	0.65	0.45	0.49	0.34	0.29	0.21	
24	0.37	0.64	0.68	0.74	0.88	0.67	0.64	0.44	0.50	0.34	0.31	0.20	
25	0.35	0.70	0.62	0.71	0.94	0.65	0.62	0.44	0.54	0.36	0.30	0.20	
26	0.33	0.73	0.59	0.94	1.09	0.67	0.60	0.43	0.52	0.51	0.30	0.19	
27	0.33	0.60	0.57	0.80	0.92	0.67	0.59	0.45	0.43	0.47	0.29	0.19	
28	0.33	0.71	0.57	0.91	0.86	0.76	0.59	0.48	0.49	0.46	0.28	0.19	
29	0.33	0.61	0.57	0.81	0.90	0.81	0.57	1.47	0.49	0.46		0.18	
30	0.35	0.71	0.56	0.77	0.92	0.83	0.56	1.46	0.50	0.45		0.18	
31		0.65		0.74	0.85		0.55		0.50	0.44		0.17	
MEAN	0.32	0.42	0.63	0.87	0.93	0.79	0.77	0.57	0.53	0.44	0.32	0.25	
MAX	0.37	1.14	0.90	1.80	1.20	1.19	1.40	1.47	1.49	0.51	0.39	0.32	1.80
MIN	0.29	0.26	0.17	0.55	0.80	0.65	0.55	0.43	0.39	0.33	0.28	0.17	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.73 M (A.D), AT 6.00 HOURS, ON OCT 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.29 M (A.D)
LEFT BANK ELEVATION 6.72 M (A.D)
RIGHT BANK ELEVATION 6.62 M (A.D), DRAINAGE AREA 45 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.04	1.22	0.70	5.16	2.90	1.30	0.66	0.00	0.00	0.00	0.00	
2	0.05	0.02	0.82	0.70	4.59	2.78	2.54	0.66	0.00	0.00	0.00	0.00	
3	0.04	0.01	0.62	8.74	4.10	2.54	2.90	0.62	0.00	0.00	0.00	0.00	
4	0.04	0.01	0.58	8.50	3.80	3.05	4.25	0.62	0.00	0.00	0.00	0.00	
5	0.04	0.01	1.94	5.35	2.90	5.92	3.80	0.62	0.00	0.00	0.00	0.00	
6	0.02	0.01	1.30	3.50	3.95	3.65	3.20	0.62	0.00	0.00	0.00	0.00	
7	0.02	0.00	2.42	4.25	4.25	10.66	16.50	0.58	0.00	0.00	0.00	0.00	
8	0.02	0.00	2.30	3.20	5.92	4.59	10.90	0.58	0.00	0.00	0.00	0.00	
9	0.02	0.00	1.30	5.73	6.96	4.97	5.92	0.54	0.00	0.00	0.00	0.00	
10	0.01	0.00	1.30	6.30	10.90	4.59	6.11	0.54	0.00	0.00	0.00	0.00	
11	0.01	0.00	1.30	4.40	5.92	4.40	4.10	0.54	0.00	0.00	0.00	0.00	
12	0.01	0.00	1.30	5.35	6.74	3.80	3.20	0.54	0.00	0.00	0.00	0.00	
13	0.01	0.00	2.78	13.89	5.54	3.20	2.78	0.58	0.00	0.00	0.00	0.00	
14	0.01	0.00	1.94	8.06	8.28	2.54	3.05	0.58	0.00	0.00	0.00	0.00	
15	0.01	0.00	4.40	4.40	6.96	2.66	2.54	0.66	0.00	0.00	0.00	0.00	
16	0.00	0.00	2.42	3.35	5.54	2.18	2.54	0.74	0.00	0.00	0.00	0.00	
17	0.00	0.00	1.82	2.54	4.10	1.82	2.18	0.58	0.00	0.00	0.00	0.00	
18	0.01	0.00	1.30	2.06	3.20	1.62	1.82	0.50	0.00	0.00	0.00	0.00	
19	0.01	0.00	1.22	1.70	5.54	1.62	2.66	0.50	0.00	0.00	0.00	0.00	
20	0.02	0.08	1.14	1.46	3.65	1.54	2.06	0.46	0.00	0.00	0.00	0.00	
21	0.00	0.05	1.14	1.46	3.95	1.46	1.54	0.39	0.00	0.00	0.00	0.00	
22	0.01	0.04	0.86	2.54	3.80	1.46	1.46	0.31	0.00	0.00	0.00	0.00	
23	0.04	2.18	0.82	2.78	3.35	1.30	1.30	0.31	0.00	0.00	0.00	0.00	
24	0.08	1.22	1.54	2.18	4.10	1.46	1.22	0.27	0.00	0.00	0.00	0.00	
25	0.06	1.70	1.06	1.82	5.16	1.30	1.06	0.27	0.00	0.00	0.00	0.00	
26	0.04	2.06	0.86	5.16	8.28	1.46	0.90	0.23	0.00	0.00	0.00	0.00	
27	0.04	0.90	0.78	2.90	4.78	1.46	0.86	0.00	0.00	0.00	0.00	0.00	
28	0.04	1.82	0.78	4.59	3.80	2.42	0.86	0.00	0.00	0.00	0.00	0.00	
29	0.04	0.98	0.78	3.05	4.40	3.05	0.78	0.00	0.00	0.00		0.00	
30	0.06	1.82	0.74	2.54	4.78	3.35	0.74	0.00	0.00	0.00		0.00	
31		1.30		2.18	3.65		0.70		0.00	0.00		0.00	
TOTAL	0.82	14.25	42.78	125.38	158.05	89.75	95.77	13.50	0.00	0.00	0.00	0.00	540.30 CMSDAY
MEAN	0.03	0.46	1.43	4.04	5.10	2.99	3.09	0.45	0.00	0.00	0.00	0.00	1.48 CMS
MAX	0.08	2.18	4.40	13.89	10.90	10.66	16.50	0.74	0.00	0.00	0.00	0.00	16.50 CMS
MIN	0.00	0.00	0.58	0.70	2.90	1.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.071	1.231	3.696	10.833	13.656	7.754	8.275	1.166	0.000	0.000	0.000	0.000	46.682 MCM

MOMENTARY PEAK 27.05 CMS, AT 1.73 M (A.D), AT 6.00 HOURS, ON OCT 7, 1984

RUNOFF YIELD 32.89 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 601.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

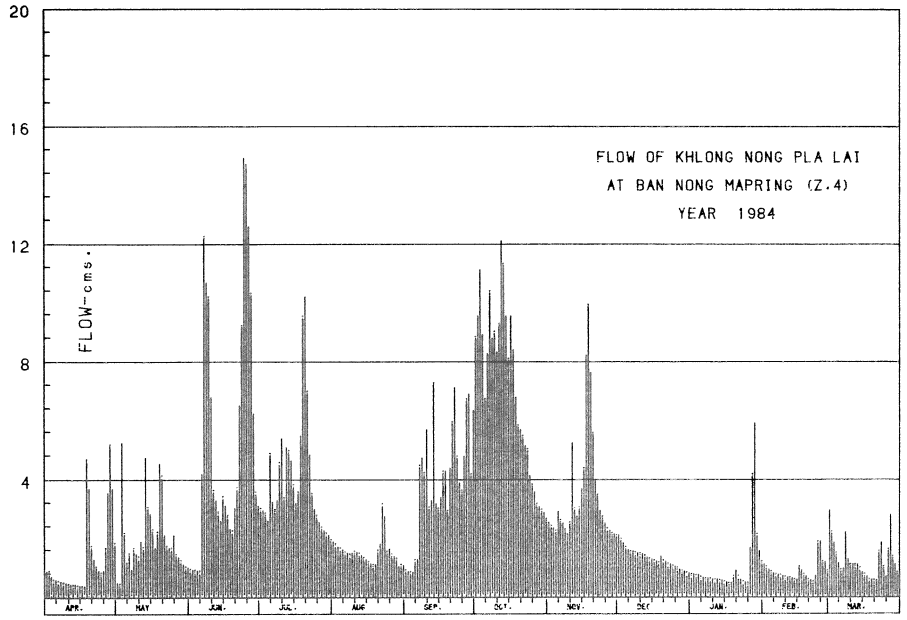
KHLONG NONG PLA LAI AT BAN NONG MAPRING, RAYONG (Z.4)

LOCATION	LAT. 12-54-40 N., LONG. 101-17-37 E., ON RIGHT BANK AT BAN NONG MAPRING, AMPHOE PLUAK DAENG, RAYONG.
DRAINAGE AREA	429 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+5.270 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1974
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 322 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.38	0.24	0.41	0.96	0.67	0.40	2.07	0.84	0.73	0.35	0.45	0.94	
2	0.39	0.23	0.40	0.94	0.65	0.38	2.18	0.81	0.70	0.35	0.43	0.76	
3	0.32	1.41	0.40	0.92	0.62	0.38	2.41	0.79	0.66	0.34	0.40	0.66	
4	0.29	0.75	0.39	0.85	0.61	0.37	2.08	0.77	0.62	0.34	0.38	0.56	
5	0.28	0.47	0.39	1.34	0.59	0.50	1.69	0.93	0.59	0.32	0.36	0.46	
6	0.27	0.56	1.20	1.01	0.57	0.50	1.97	0.86	0.58	0.31	0.35	0.40	
7	0.26	0.40	2.56	0.95	0.56	1.26	2.31	0.83	0.58	0.30	0.34	0.41	
8	0.25	0.61	2.35	1.02	0.55	1.31	2.06	0.78	0.57	0.30	0.34	0.75	
9	0.24	0.55	2.28	1.28	0.56	1.21	2.10	0.74	0.56	0.30	0.33	0.50	
10	0.23	0.53	1.70	1.44	0.58	1.50	1.98	0.84	0.56	0.29	0.32	0.45	
11	0.22	0.67	1.09	1.04	0.57	0.97	2.14	1.41	0.55	0.29	0.31	0.45	
12	0.22	0.62	1.02	1.38	0.56	1.02	2.54	0.96	0.54	0.29	0.31	0.45	
13	0.22	1.31	0.93	1.36	0.54	1.79	2.44	0.89	0.52	0.28	0.30	0.45	
14	0.21	0.97	0.85	1.29	0.52	1.00	2.18	0.97	0.51	0.27	0.29	0.42	
15	0.20	0.91	1.05	1.13	0.50	0.96	1.94	1.10	0.50	0.26	0.28	0.37	
16	0.20	0.78	0.98	1.00	0.48	1.04	2.18	1.24	0.49	0.25	0.43	0.35	
17	0.19	0.61	0.90	1.08	0.46	1.22	1.99	1.96	0.48	0.24	0.39	0.32	
18	1.30	0.76	0.78	1.46	0.45	1.22	1.70	2.24	0.47	0.24	0.35	0.29	
19	1.10	1.27	0.77	2.18	0.45	0.94	1.53	1.85	0.53	0.33	0.32	0.28	
20	0.63	1.19	0.96	2.28	0.59	1.24	1.50	1.48	0.49	0.39	0.29	0.28	
21	0.50	0.73	1.11	1.74	0.65	1.55	1.46	1.16	0.48	0.33	0.27	0.27	
22	0.43	0.63	1.65	1.33	1.00	1.76	1.39	1.06	0.46	0.28	0.26	0.58	
23	0.39	0.61	2.13	1.07	0.89	1.32	1.37	0.94	0.45	0.26	0.33	0.66	
24	0.37	0.61	2.82	0.95	0.58	1.14	1.19	0.89	0.44	0.25	0.67	0.43	
25	0.39	0.73	2.80	0.90	0.60	1.09	1.13	0.83	0.43	0.24	0.67	0.32	
26	0.61	0.55	2.60	0.84	0.55	1.32	1.08	0.79	0.42	0.61	0.48	0.60	
27	1.07	0.52	2.30	0.80	0.53	1.69	1.00	0.77	0.40	1.20	0.47	0.90	
28	1.40	0.49	1.60	0.77	0.51	1.72	0.97	0.75	0.39	1.54	0.39	0.53	
29	1.10	0.45	1.08	0.75	0.43	1.20	0.95	0.74	0.38	0.74		0.45	
30	0.66	0.43	0.98	0.73	0.45	1.62	0.92	0.73	0.37	0.58		0.37	
31		0.42		0.69	0.44		0.87		0.36	0.48		0.36	
MEAN	0.48	0.68	1.35	1.14	0.57	1.12	1.72	1.03	0.51	0.40	0.38	0.48	
MAX	1.40	1.41	2.82	2.28	1.00	1.79	2.54	2.24	0.73	1.54	0.67	0.94	2.82
MIN	0.19	0.23	0.39	0.69	0.43	0.37	0.87	0.73	0.36	0.24	0.26	0.27	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.90 M (A.D), AT 18.00 HOURS, ON JUN 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.08 M (A.D)
LEFT BANK ELEVATION 3.09 M (A.D)
RIGHT BANK ELEVATION 4.39 M (A.D), DRAINAGE AREA 429 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.89	0.50	0.98	3.04	1.90	0.95	8.87	2.56	2.12	0.80	1.13	2.96	
2	0.92	0.48	0.95	2.96	1.83	0.89	9.57	2.44	2.00	0.80	1.06	2.24	
3	0.71	5.25	0.95	2.88	1.72	0.89	11.13	2.36	1.86	0.77	0.95	1.86	
4	0.62	2.20	0.92	2.60	1.69	0.86	8.93	2.28	1.72	0.77	0.89	1.51	
5	0.60	1.20	0.92	4.90	1.62	1.30	6.75	2.92	1.62	0.71	0.83	1.16	
6	0.58	1.51	4.20	3.25	1.55	1.30	8.28	2.64	1.58	0.68	0.80	0.95	
7	0.55	0.95	12.28	3.00	1.51	4.50	10.42	2.52	1.58	0.65	0.77	0.98	
8	0.52	1.69	10.70	3.30	1.48	4.75	8.81	2.32	1.55	0.65	0.77	2.20	
9	0.50	1.48	10.22	4.60	1.51	4.25	9.05	2.16	1.51	0.65	0.74	1.30	
10	0.48	1.40	6.80	5.40	1.58	5.70	8.34	2.56	1.51	0.62	0.71	1.13	
11	0.45	1.90	3.65	3.40	1.55	3.08	9.31	5.25	1.48	0.62	0.68	1.13	
12	0.45	1.72	3.30	5.10	1.51	3.30	12.12	3.04	1.44	0.62	0.68	1.13	
13	0.45	4.75	2.92	5.00	1.44	7.29	11.35	2.76	1.37	0.60	0.65	1.13	
14	0.42	3.08	2.60	4.65	1.37	3.20	9.57	3.08	1.34	0.58	0.62	1.02	
15	0.40	2.84	3.45	3.85	1.30	3.04	8.12	3.70	1.30	0.55	0.60	0.86	
16	0.40	2.32	3.12	3.20	1.23	3.40	9.57	4.40	1.27	0.52	1.06	0.80	
17	0.38	1.69	2.80	3.60	1.16	4.30	8.40	8.23	1.23	0.50	0.92	0.71	
18	4.70	2.24	2.32	5.50	1.13	4.30	6.80	9.96	1.20	0.50	0.80	0.62	
19	3.70	4.55	2.28	9.57	1.13	2.96	5.86	7.63	1.40	0.74	0.71	0.60	
20	1.76	4.15	3.04	10.22	1.62	4.40	5.70	5.60	1.27	0.92	0.62	0.60	
21	1.30	2.12	3.75	7.02	1.83	5.97	5.50	4.00	1.23	0.74	0.58	0.58	
22	1.06	1.76	6.52	4.85	3.20	7.13	5.15	3.50	1.16	0.60	0.55	1.58	
23	0.92	1.69	9.25	3.55	2.76	4.80	5.05	2.96	1.13	0.55	0.74	1.86	
24	0.86	1.69	14.94	3.00	1.58	3.90	4.15	2.76	1.09	0.52	1.90	1.06	
25	0.92	2.12	14.70	2.80	1.65	3.65	3.85	2.52	1.06	0.50	1.90	0.71	
26	1.69	1.48	12.60	2.56	1.48	4.80	3.60	2.36	1.02	1.69	1.23	1.65	
27	3.55	1.37	10.35	2.40	1.40	6.75	3.20	2.28	0.95	4.20	1.20	2.80	
28	5.20	1.27	6.25	2.28	1.34	6.91	3.08	2.20	0.92	5.92	0.92	1.40	
29	3.70	1.13	3.60	2.20	1.06	4.20	3.00	2.16	0.89	2.16		1.13	
30	1.86	1.06	3.12	2.12	1.13	6.36	2.88	2.12	0.86	1.58		0.86	
31		1.02		1.97	1.09		2.68		0.83	1.23		0.83	
TOTAL	40.54	62.61	163.48	124.77	48.35	119.13	219.09	105.27	41.49	32.94	25.01	39.35	1022.03 CMSDAY
MEAN	1.35	2.02	5.45	4.02	1.56	3.97	7.07	3.51	1.34	1.06	0.89	1.27	2.80 CMS
MAX	5.20	5.25	14.94	10.22	3.20	7.29	12.12	9.96	2.12	5.92	1.90	2.96	14.94 CMS
MIN	0.38	0.48	0.92	1.97	1.06	0.86	2.68	2.12	0.83	0.50	0.55	0.58	0.38 CMS
RUNOFF	3.503	5.410	14.125	10.780	4.177	10.293	18.929	9.095	3.585	2.846	2.161	3.400	88.303 MCM

MOMENTARY PEAK 15.90 CMS, AT 2.90 M (A.D), AT 18.00 HOURS, ON JUN 25, 1984

RUNOFF YIELD 6.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 37.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

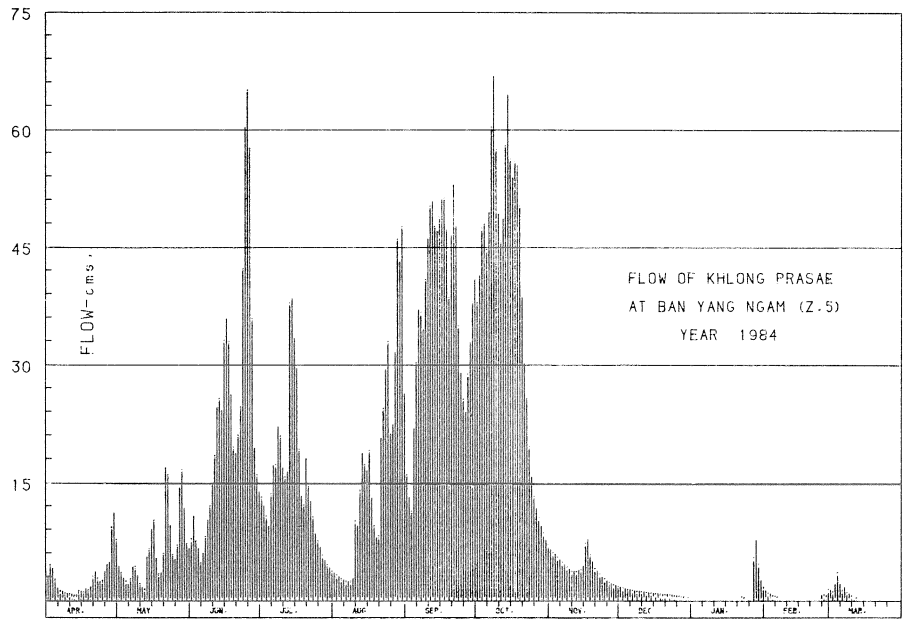
KHLONG PRASAE AT BAN YANG NGAM, RAYONG (Z.5)

LOCATION	LAT. 12-53-03 N., LONG. 101-35-58 E., ON LEFT BANK AT BAN YANG NGAM, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	1,164 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+7.385 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1982.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1982.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 59 DISCHARGE MEASUREMENTS MADE IN 1982.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.36	1.56	1.98	2.52	1.43	2.75	4.28	1.83	1.09	0.79	0.99	1.01	
2	1.59	1.44	2.28	2.41	1.39	2.52	4.48	1.78	1.07	0.79	0.93	0.97	
3	1.52	1.32	1.95	2.28	1.35	2.34	4.80	1.76	1.05	0.78	0.90	1.17	
4	1.29	1.25	1.84	2.15	1.31	3.20	4.83	1.71	1.03	0.78	0.85	1.44	
5	1.06	1.17	1.62	2.56	1.28	3.82	4.66	1.67	1.02	0.77	0.84	1.18	
6	0.99	1.31	1.77	2.84	1.25	4.23	4.90	1.63	1.01	0.77	0.82	1.01	
7	0.97	1.55	2.01	2.85	1.24	4.21	5.37	1.59	0.99	0.77	0.81	1.09	
8	0.93	1.56	2.23	3.22	1.25	4.08	5.59	1.55	0.98	0.76	0.80	0.94	
9	0.91	1.37	2.41	3.13	1.31	4.45	5.26	1.51	0.98	0.76	0.79	0.90	
10	0.91	1.19	2.66	2.82	2.22	4.73	4.89	1.46	0.97	0.75	0.79	0.85	
11	0.89	1.08	2.94	2.73	2.15	4.94	4.72	1.47	0.96	0.75	0.77	0.82	
12	0.86	1.04	3.41	2.78	2.60	4.97	4.86	1.46	0.95	0.74	0.74	0.79	
13	0.87	1.71	3.50	4.28	2.96	4.81	5.28	1.49	0.94	0.75	0.74	0.78	
14	1.00	1.84	3.38	4.31	2.85	4.78	5.51	1.50	0.93	0.74	0.73	0.75	
15	0.97	2.11	4.00	4.01	2.79	4.87	5.21	1.56	0.92	0.73	0.71	0.74	
16	0.96	2.23	4.16	3.77	2.99	4.98	5.11	1.92	0.92	0.73	0.73	0.73	
17	1.04	1.69	3.99	3.00	2.51	4.99	5.20	1.97	0.91	0.73	0.74	0.71	
18	1.02	1.41	3.53	2.53	2.16	4.79	5.18	1.75	0.90	0.73	0.73	0.71	
19	1.10	1.43	3.02	2.42	1.99	4.32	4.94	1.64	0.89	0.73	0.73	0.70	
20	1.36	1.77	2.96	2.91	2.02	4.75	4.32	1.52	0.89	0.73	0.71	0.70	
21	1.45	2.82	3.14	2.66	3.11	5.08	3.81	1.48	0.89	0.75	0.70	0.69	
22	1.32	2.75	3.42	2.47	3.40	4.81	3.50	1.41	0.88	0.83	0.70	0.69	
23	1.24	2.16	4.53	2.27	3.76	4.11	3.03	1.34	0.87	0.80	0.70	0.68	
24	1.27	1.75	5.37	2.05	3.99	3.73	2.73	1.31	0.85	0.77	0.71	0.67	
25	1.46	1.67	5.53	1.95	3.15	3.49	2.53	1.26	0.85	0.75	0.86	0.68	
26	1.59	1.89	5.27	1.86	3.24	3.36	2.38	1.22	0.84	0.78	0.88	0.67	
27	1.63	2.62	4.16	1.74	3.91	3.72	2.26	1.19	0.83	1.70	0.85	0.69	
28	2.14	2.80	3.01	1.66	4.73	3.98	2.15	1.16	0.82	1.96	1.04	0.69	
29	2.32	2.38	2.75	1.59	4.58	4.29	2.06	1.14	0.81	1.60		0.67	
30	1.97	1.91	2.58	1.53	4.81	4.45	1.96	1.11	0.80	1.27		0.67	
31		1.84		1.47	3.54		1.89		0.80	1.09		0.69	
MEAN	1.27	1.76	3.18	2.61	2.62	4.18	4.12	1.51	0.92	0.88	0.80	0.82	
MAX	2.32	2.82	5.53	4.31	4.81	5.08	5.59	1.97	1.09	1.96	1.04	1.44	5.59
MIN	0.86	1.04	1.62	1.47	1.24	2.34	1.89	1.11	0.80	0.73	0.70	0.67	0.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.61 M (A.D), AT 12.00 HOURS, ON OCT 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.81 M (A.D)
LEFT BANK ELEVATION 11.49 M (A.D)
RIGHT BANK ELEVATION 7.25 M (A.D), DRAINAGE AREA 1164 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.16	4.42	7.92	13.22	3.58	16.05	37.96	6.57	1.76	0.41	1.31	1.39	
2	4.63	3.64	10.80	12.10	3.34	13.22	41.44	6.14	1.67	0.41	1.03	1.22	
3	4.14	2.92	7.65	10.80	3.10	11.40	47.50	5.98	1.57	0.37	0.90	2.11	
4	2.75	2.53	6.66	9.50	2.86	21.90	48.10	5.58	1.48	0.37	0.68	3.64	
5	1.62	2.11	4.86	13.66	2.69	30.30	44.74	5.26	1.44	0.33	0.63	2.16	
6	1.31	2.86	6.06	17.22	2.53	37.11	49.50	4.94	1.39	0.33	0.54	1.39	
7	1.22	4.35	8.19	17.35	2.47	36.77	60.39	4.63	1.31	0.33	0.49	1.76	
8	1.03	4.42	10.30	22.16	2.53	34.56	66.90	4.35	1.26	0.29	0.45	1.08	
9	0.95	3.22	12.10	20.99	2.86	40.90	57.50	4.07	1.26	0.29	0.41	0.90	
10	0.95	2.21	14.88	16.96	10.20	46.10	49.30	3.76	1.22	0.25	0.41	0.68	
11	0.85	1.71	18.52	15.79	9.50	50.30	45.90	3.82	1.17	0.25	0.33	0.54	
12	0.72	1.53	24.63	16.44	14.10	50.90	48.70	3.76	1.12	0.21	0.21	0.41	
13	0.77	5.58	25.80	37.96	18.78	47.70	58.00	3.94	1.08	0.25	0.21	0.37	
14	1.35	6.66	24.24	38.47	17.35	47.10	64.50	4.00	1.03	0.21	0.17	0.25	
15	1.22	9.10	33.20	33.37	16.57	48.90	56.25	4.42	0.99	0.17	0.09	0.21	
16	1.17	10.30	35.92	29.58	19.17	51.10	53.93	7.38	0.99	0.17	0.17	0.17	
17	1.53	5.42	33.03	19.30	13.11	51.30	56.00	7.83	0.95	0.17	0.21	0.09	
18	1.44	3.46	26.22	13.33	9.60	47.30	55.54	5.90	0.90	0.17	0.17	0.09	
19	1.80	3.58	19.56	12.20	8.01	38.64	50.30	5.02	0.85	0.17	0.17	0.05	
20	3.16	6.06	18.78	18.13	8.28	46.50	38.64	4.14	0.85	0.17	0.09	0.05	
21	3.70	16.96	21.12	14.88	20.73	53.26	30.15	3.88	0.85	0.25	0.05	0.05	
22	2.92	16.05	24.76	12.70	24.50	47.70	25.80	3.46	0.81	0.58	0.05	0.05	
23	2.47	9.60	42.34	10.70	29.44	35.07	19.69	3.04	0.77	0.45	0.05	0.04	
24	2.64	5.90	60.39	8.55	33.03	29.02	15.79	2.86	0.68	0.33	0.09	0.04	
25	3.76	5.26	65.10	7.65	21.25	25.67	13.33	2.58	0.68	0.25	0.72	0.04	
26	4.63	7.11	57.75	6.84	22.42	23.98	11.80	2.36	0.63	0.37	0.81	0.04	
27	4.94	14.36	35.92	5.82	31.67	28.88	10.60	2.21	0.58	5.50	0.68	0.05	
28	9.40	16.70	19.43	5.18	46.10	32.86	9.50	2.07	0.54	7.74	1.53	0.05	
29	11.20	11.80	16.05	4.63	43.24	38.13	8.64	1.98	0.49	4.70		0.04	
30	7.83	7.29	13.88	4.21	47.70	40.90	7.74	1.85	0.45	2.64		0.04	
31		6.66		3.82	26.36		7.11		0.45	1.76		0.05	
TOTAL	89.26	203.77	706.06	473.51	517.07	1123.52	1191.24	127.78	31.22	29.89	12.65	19.05	4525.02 CMSDAY
MEAN	2.98	6.57	23.54	15.27	16.68	37.45	38.43	4.26	1.01	0.96	0.45	0.61	12.40 CMS
MAX	11.20	16.96	65.10	38.47	47.70	53.26	66.90	7.83	1.76	7.74	1.53	3.64	66.90 CMS
MIN	0.72	1.53	4.86	3.82	2.47	11.40	7.11	1.85	0.45	0.17	0.05	0.04	0.04 CMS
RUNOFF	7.712	17.606	61.004	40.911	44.675	97.072	102.923	11.040	2.697	2.582	1.093	1.646	390.962 MCM

MOMENTARY PEAK 67.53 CMS, AT 5.61 M (A.D), AT 12.00 HOURS, ON OCT 8, 1984

RUNOFF YIELD 10.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 58.02 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

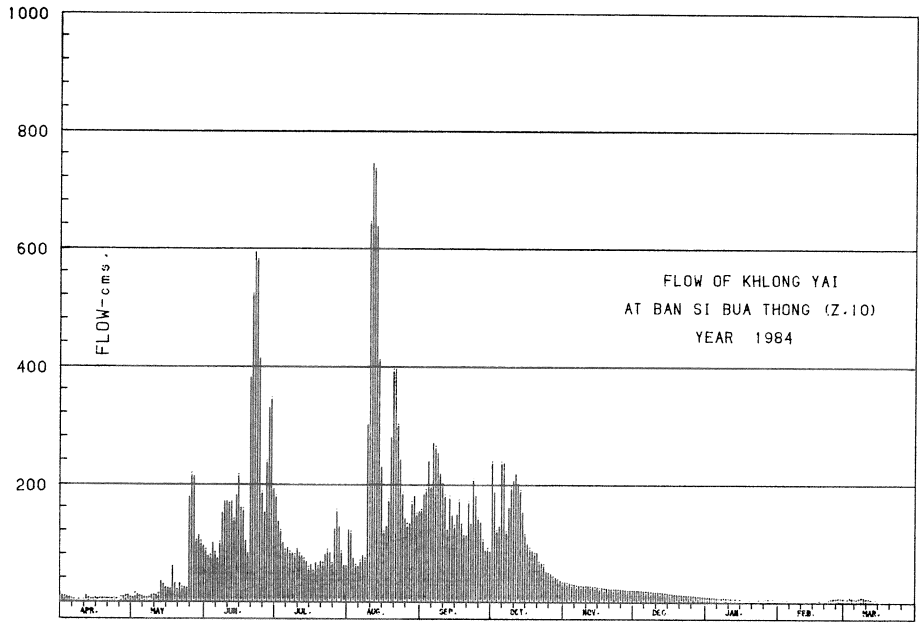
KHLONG YAI AT BAN SI BUA THONG, TRAT (Z.10)

LOCATION	LAT. 12-28-28 N., LONG. 102-28-52 E., ON RIGHT BANK AT BAN PONG SCHOOL, BAN SI BUA THONG, TAMBON BAN SI BUA THONG, AMPHOE KHAO SAMING, TRAT.
DRAINAGE AREA	920 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+11.280 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	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973-1978
RATED BY FLOAT	-
RATED BY CURRENT METER	1973-1978
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +10.38 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 624 DISCHARGE MEASUREMENTS MADE DURING 1973-1978.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.56	1.38	3.88	5.65	4.54	5.22	6.63	2.49	1.98	1.46	1.17	1.27	
2	1.54	1.83	3.63	4.82	4.50	5.67	5.74	2.47	1.98	1.44	1.15	1.25	
3	1.46	1.65	3.67	4.54	3.54	5.84	4.54	2.44	1.96	1.42	1.16	1.44	
4	1.38	1.57	4.10	4.10	3.30	6.64	4.66	2.38	1.96	1.41	1.15	1.34	
5	1.27	1.52	3.77	3.87	3.22	5.95	6.62	2.35	1.94	1.36	1.13	1.29	
6	1.22	1.42	3.53	3.93	3.48	7.15	6.59	2.31	1.94	1.33	1.14	1.24	
7	1.21	1.38	4.14	3.80	3.64	7.06	4.50	2.28	1.93	1.33	1.12	1.35	
8	1.18	1.44	5.10	3.72	3.55	6.86	5.26	2.28	1.91	1.36	1.14	1.46	
9	1.16	1.60	5.53	3.70	7.65	6.35	5.91	2.26	1.87	1.33	1.12	1.40	
10	1.15	1.65	5.46	3.90	11.64	6.01	6.08	2.28	1.86	1.31	1.10	1.32	
11	1.56	1.60	5.41	3.73	12.67	5.67	6.34	2.26	1.86	1.29	1.10	1.30	
12	1.38	1.80	5.46	3.63	12.58	4.55	5.99	2.26	1.85	1.27	1.07	1.22	
13	1.26	2.52	4.93	3.55	11.54	5.63	5.82	2.23	1.83	1.27	1.07	1.20	
14	1.26	2.37	5.65	3.42	9.08	5.02	5.12	2.23	1.81	1.25	1.08	1.16	
15	1.35	2.18	6.26	3.21	6.46	4.71	4.41	2.20	1.79	1.22	1.11	1.07	
16	1.26	2.13	5.26	3.30	4.51	5.05	4.06	2.19	1.74	1.20	1.16	1.08	
17	1.33	2.07	5.25	3.05	4.66	5.52	3.94	2.18	1.72	1.19	1.15	1.06	
18	1.33	3.23	4.17	3.37	5.54	4.76	3.81	2.15	1.71	1.16	1.07	1.06	
19	1.30	2.43	3.72	3.24	7.30	4.36	3.75	2.12	1.68	1.13	1.05	1.02	
20	1.30	2.05	8.73	3.43	8.90	4.36	3.74	2.09	1.67	1.11	1.08	0.88	
21	1.28	2.42	10.33	3.39	8.91	5.47	3.42	2.08	1.65	1.09	1.13	1.01	
22	1.29	2.22	11.03	3.69	7.67	4.75	3.35	2.08	1.63	1.15	1.12	1.05	
23	1.30	2.19	10.91	3.88	6.67	6.15	3.32	2.08	1.62	1.15	1.28	1.04	
24	1.26	2.15	9.10	3.74	5.75	5.64	2.99	2.06	1.61	1.14	1.33	1.04	
25	1.26	5.60	5.77	3.37	4.93	4.97	2.94	2.05	1.58	1.16	1.32	1.06	
26	1.50	6.30	5.11	4.57	4.77	4.80	2.89	2.03	1.57	1.22	1.37	1.04	
27	1.49	6.20	6.65	5.22	4.76	4.22	2.77	2.00	1.54	1.25	1.33	1.02	
28	1.60	4.21	8.06	4.65	5.45	3.82	2.70	1.98	1.52	1.22	1.32	0.99	
29	1.60	4.36	8.31	3.82	5.63	3.93	2.64	1.99	1.51	1.22		1.01	
30	1.46	4.18	5.84	3.26	5.10	3.78	2.57	1.99	1.50	1.19		0.94	
31		4.00		3.24	5.15		2.48		1.48	1.18		1.04	
MEAN	1.35	2.63	5.96	3.83	6.36	5.33	4.37	2.19	1.75	1.25	1.16	1.15	
MAX	1.60	6.30	11.03	5.65	12.67	7.15	6.63	2.49	1.98	1.46	1.37	1.46	12.67
MIN	1.15	1.38	3.53	3.05	3.22	3.78	2.48	1.98	1.48	1.09	1.05	0.88	0.88

ANNUAL MAX MOMENTARY GAGE HEIGHT 12.77 M (A.D), AT 18.00 HOURS, ON AUG 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.80 M (A.D)
LEFT BANK ELEVATION 12.37 M (A.D)
RIGHT BANK ELEVATION 10.37 M (A.D), DRAINAGE AREA 920 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.20	7.20	89.50	181.25	122.00	157.60	238.80	33.70	19.50	8.40	4.05	5.55	
2	9.80	15.75	78.04	136.00	120.00	182.35	186.20	33.10	19.50	8.10	3.75	5.25	
3	8.40	12.00	79.87	122.00	73.92	191.70	122.00	32.20	19.00	7.80	3.90	8.10	
4	7.20	10.40	100.00	100.00	63.50	239.40	128.00	30.40	19.00	7.65	3.75	6.60	
5	5.55	9.40	84.46	89.04	60.30	198.00	238.20	29.50	18.50	6.90	3.45	5.85	
6	4.80	7.80	73.46	91.79	71.17	270.00	236.40	28.30	18.50	6.45	3.60	5.10	
7	4.65	7.20	102.00	85.83	78.50	264.60	120.00	27.40	18.25	6.45	3.30	6.75	
8	4.20	8.10	151.00	82.17	74.37	252.60	159.80	27.40	17.75	6.90	3.60	8.40	
9	3.90	11.00	174.65	81.25	300.75	222.00	195.60	26.80	16.75	6.45	3.30	7.50	
10	3.75	12.00	170.80	90.42	645.40	201.60	205.80	27.40	16.50	6.15	3.00	6.30	
11	10.20	11.00	168.05	82.62	745.13	182.35	221.40	26.80	16.50	5.85	3.00	6.00	
12	7.20	15.00	170.80	78.04	736.22	122.50	200.40	26.80	16.25	5.55	2.70	4.80	
13	5.40	34.70	141.65	74.37	636.90	180.15	190.60	25.90	15.75	5.55	2.70	4.50	
14	5.40	30.10	181.25	68.42	411.20	146.60	152.10	25.90	15.25	5.25	2.80	3.90	
15	6.75	24.50	216.60	59.90	228.60	130.50	115.50	25.00	14.80	4.80	3.15	2.70	
16	5.40	23.25	159.80	63.50	120.50	148.25	98.00	24.75	13.80	4.50	3.90	2.80	
17	6.45	21.75	159.25	53.50	128.00	174.10	92.25	24.50	13.40	4.35	3.75	2.60	
18	6.45	60.70	103.50	66.30	175.20	133.00	86.29	23.75	13.20	3.90	2.70	2.60	
19	6.00	31.90	82.17	61.10	279.00	113.00	83.54	23.00	12.60	3.45	2.50	2.20	
20	6.00	21.25	380.55	68.87	395.00	113.00	83.08	22.25	12.40	3.15	2.80	0.80	
21	5.70	31.60	524.35	67.10	395.90	171.35	68.42	22.00	12.00	2.90	3.45	2.10	
22	5.85	25.60	593.55	80.79	302.05	132.50	65.50	22.00	11.60	3.75	3.30	2.50	
23	6.00	24.75	582.00	89.50	241.20	210.00	64.30	22.00	11.40	3.75	5.70	2.40	
24	5.40	23.75	413.00	83.08	186.75	180.70	51.15	21.50	11.20	3.60	6.45	2.40	
25	5.40	178.50	187.85	66.30	141.65	143.85	49.40	21.25	10.60	3.90	6.30	2.60	
26	9.00	219.00	151.55	123.50	133.50	135.00	47.65	20.75	10.40	4.80	7.05	2.40	
27	8.85	213.00	240.00	157.60	133.00	106.00	43.45	20.00	9.80	5.25	6.45	2.20	
28	11.00	105.50	329.20	127.50	170.25	86.75	41.00	19.50	9.40	4.80	6.30	1.90	
29	11.00	113.00	347.75	86.75	180.15	91.79	38.90	19.75	9.20	4.80		2.10	
30	8.40	104.00	191.70	61.90	151.00	84.92	36.45	19.75	9.00	4.35		1.40	
31		95.00		61.10	153.75		33.40		8.70	4.20		2.40	
TOTAL	204.30	1508.70	6428.35	2741.49	7654.86	4966.16	3693.58	753.35	440.50	163.70	110.70	122.70	28788.39 CMSDAY
MEAN	6.81	48.67	214.28	88.44	246.93	165.54	119.15	25.11	14.21	5.28	3.95	3.96	78.87 CMS
MAX	11.00	219.00	593.55	181.25	745.13	270.00	238.80	33.70	19.50	8.40	7.05	8.40	745.13 CMS
MIN	3.75	7.20	73.46	53.50	60.30	84.92	33.40	19.50	8.70	2.90	2.50	0.80	0.80 CMS
RUNOFF	17.652	130.352	555.409	236.865	661.380	429.076	319.125	65.089	38.059	14.144	9.564	10.601	2487.317 MCM

MOMENTARY PEAK 755.03 CMS, AT 12.77 M (A.D), AT 18.00 HOURS, ON AUG 11, 1984

RUNOFF YIELD 85.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 820.68 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

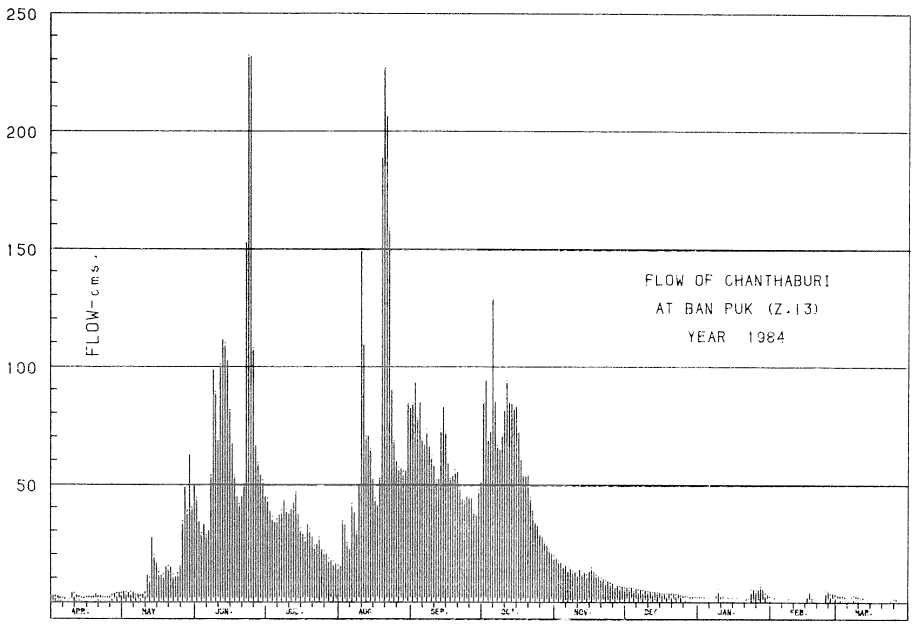
CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION	LAT. 12-45-40 N., LONG. 102-18-35 E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.
DRAINAGE AREA	671 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+8.083 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.84 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 90 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	0.56	2.04	2.04	1.09	3.15	3.17	1.22	0.68	0.41	0.41	0.44	
2	0.45	0.56	1.73	1.87	1.75	3.37	3.39	1.18	0.68	0.41	0.39	0.43	
3	0.43	0.52	1.58	1.80	1.69	2.98	2.75	1.15	0.67	0.40	0.37	0.44	
4	0.41	0.57	1.70	1.72	1.44	3.15	2.83	1.12	0.66	0.39	0.36	0.41	
5	0.39	0.54	1.55	1.77	1.34	2.75	4.26	1.10	0.64	0.39	0.33	0.36	
6	0.37	0.49	1.61	1.82	1.97	2.68	3.16	1.07	0.63	0.38	0.32	0.37	
7	0.35	0.48	2.32	1.89	1.85	2.86	2.67	1.04	0.62	0.37	0.36	0.40	
8	0.34	0.46	3.50	2.00	1.60	2.66	2.62	1.01	0.61	0.43	0.33	0.45	
9	0.52	0.48	3.27	1.90	2.19	2.55	2.81	0.99	0.59	0.65	0.30	0.44	
10	0.54	0.55	2.73	1.83	4.73	2.43	3.06	0.99	0.58	0.42	0.30	0.41	
11	0.46	0.93	3.56	1.89	3.76	2.26	3.39	1.03	0.57	0.41	0.29	0.39	
12	0.43	0.89	3.81	1.97	2.78	2.27	3.15	0.99	0.56	0.40	0.29	0.37	
13	0.41	1.51	3.78	2.12	2.78	2.86	3.18	0.98	0.55	0.40	0.28	0.35	
14	0.40	1.27	3.60	1.83	2.63	3.10	3.07	0.95	0.54	0.40	0.23	0.31	
15	0.42	1.14	3.07	1.65	2.27	2.84	3.14	1.00	0.53	0.40	0.23	0.29	
16	0.43	0.99	2.69	1.56	2.04	2.46	2.82	1.07	0.52	0.38	0.46	0.27	
17	0.42	0.93	2.32	1.51	1.94	2.28	2.53	1.00	0.51	0.37	0.52	0.22	
18	0.43	0.96	2.05	1.70	2.28	2.31	2.31	0.94	0.51	0.36	0.35	0.17	
19	0.49	1.08	1.96	1.64	5.59	2.39	2.36	0.91	0.51	0.35	0.31	0.10	
20	0.44	1.10	2.05	1.52	6.41	2.36	2.32	0.89	0.51	0.36	0.30	0.07	
21	0.44	1.07	2.21	1.40	5.98	2.18	2.05	0.86	0.50	0.33	0.31	0.10	
22	0.42	0.95	4.79	1.42	4.93	2.02	1.88	0.84	0.50	0.36	0.30	0.18	
23	0.41	0.90	6.53	1.52	3.29	2.06	1.76	0.82	0.48	0.63	0.37	0.29	
24	0.41	0.98	6.52	1.34	2.73	2.06	1.68	0.79	0.47	0.61	0.59	0.28	
25	0.42	1.09	3.73	1.33	2.48	2.06	1.60	0.77	0.45	0.62	0.56	0.34	
26	0.48	1.75	2.67	1.28	2.42	2.03	1.52	0.75	0.44	0.61	0.50	0.31	
27	0.50	2.17	2.47	1.22	2.40	1.88	1.46	0.72	0.43	0.76	0.50	0.30	
28	0.54	1.88	2.32	1.18	2.37	1.81	1.40	0.71	0.41	0.62	0.48	0.28	
29	0.53	2.56	2.26	1.18	2.37	2.14	1.35	0.70	0.41	0.52		0.25	
30	0.54	1.92	2.05	1.13	3.17	2.23	1.29	0.68	0.41	0.47		0.23	
31		2.19		1.10	3.09		1.26		0.40	0.43		0.20	
MEAN	0.44	1.08	2.88	1.62	2.82	2.47	2.46	0.94	0.53	0.45	0.37	0.30	
MAX	0.54	2.56	6.53	2.12	6.41	3.37	4.26	1.22	0.68	0.76	0.59	0.45	6.53
MIN	0.34	0.46	1.55	1.10	1.09	1.81	1.26	0.68	0.40	0.33	0.23	0.07	0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.96 M (A.D), AT 24.00 HOURS, ON JUN 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.77 M (A.D)
LEFT BANK ELEVATION 7.80 M (A.D)
RIGHT BANK ELEVATION 6.84 M (A.D), DRAINAGE AREA 671 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.75	4.40	44.36	44.36	15.25	84.75	85.53	18.60	6.20	2.15	2.15	2.60	
2	2.75	4.40	33.99	38.61	34.65	93.33	94.11	17.50	6.20	2.15	1.90	2.45	
3	2.45	3.80	29.40	36.30	32.70	78.12	69.35	16.75	6.05	2.00	1.70	2.60	
4	2.15	4.55	33.00	33.66	25.20	84.75	72.34	16.00	5.90	1.90	1.60	2.15	
5	1.90	4.10	28.50	35.31	22.20	69.35	129.82	15.50	5.60	1.90	1.30	1.60	
6	1.70	3.35	30.30	36.96	41.98	66.78	85.14	14.75	5.45	1.80	1.20	1.70	
7	1.50	3.20	53.90	39.27	37.95	73.48	66.42	14.00	5.30	1.70	1.60	2.00	
8	1.40	2.90	98.60	43.00	30.00	66.06	64.62	13.25	5.15	2.45	1.30	2.75	
9	3.80	3.20	89.43	39.60	49.46	62.10	71.58	12.77	4.85	5.75	1.00	2.60	
10	4.10	4.25	68.61	37.29	149.92	57.78	81.24	12.77	4.70	2.30	1.00	2.15	
11	2.90	11.39	101.06	39.27	109.26	51.84	94.11	13.75	4.55	2.15	0.90	1.90	
12	2.45	10.48	111.31	41.98	70.46	52.18	84.75	12.77	4.40	2.00	0.90	1.70	
13	2.15	27.30	110.08	47.08	70.46	73.48	85.92	12.54	4.25	2.00	0.80	1.50	
14	2.00	20.10	102.70	37.29	64.98	82.80	81.63	11.85	4.10	2.00	0.30	1.10	
15	2.30	16.50	81.63	31.50	52.18	72.72	84.36	13.00	3.95	2.00	0.30	0.90	
16	2.45	12.77	67.14	28.80	44.36	58.86	71.96	14.75	3.80	1.80	2.90	0.70	
17	2.30	11.39	53.90	27.30	40.96	52.52	61.38	13.00	3.65	1.70	3.80	0.20	
18	2.45	12.08	44.70	33.00	52.52	53.55	53.55	11.62	3.65	1.60	1.50	0.00	
19	3.35	15.00	41.64	31.20	188.55	56.35	55.30	10.93	3.65	1.50	1.10	0.00	
20	2.60	15.50	44.70	27.60	226.67	55.30	53.90	10.48	3.65	1.60	1.00	0.00	
21	2.60	14.75	50.14	24.00	206.46	49.12	44.70	9.82	3.50	1.30	1.10	0.00	
22	2.30	11.85	152.56	24.60	158.85	43.68	38.94	9.38	3.50	1.60	1.00	0.00	
23	2.15	10.70	232.31	27.60	90.21	45.04	34.98	8.94	3.20	5.45	1.70	0.90	
24	2.15	12.54	231.84	22.20	68.61	45.04	32.40	8.30	3.05	5.15	4.85	0.80	
25	2.30	15.25	108.03	21.90	59.58	45.04	30.00	7.90	2.75	5.30	4.40	1.40	
26	3.20	34.65	66.42	20.40	57.42	44.02	27.60	7.50	2.60	5.15	3.50	1.10	
27	3.50	48.78	59.22	18.60	56.70	38.94	25.80	6.90	2.45	7.70	3.50	1.00	
28	4.10	38.94	53.90	17.50	55.65	36.63	24.00	6.70	2.15	5.30	3.20	0.80	
29	3.95	62.46	51.84	17.50	55.65	47.76	22.50	6.50	2.15	3.80		0.50	
30	4.10	40.28	44.70	16.25	85.53	50.82	20.70	6.20	2.15	3.05		0.30	
31		49.46		15.50	82.41		19.80		2.00	2.45		0.00	
TOTAL	79.80	530.32	2319.91	955.43	2336.78	1792.19	1868.43	354.72	124.55	88.70	51.50	37.40	10539.73 CMSDAY
MEAN	2.66	17.11	77.33	30.82	75.38	59.74	60.27	11.82	4.02	2.86	1.84	1.21	28.88 CMS
MAX	4.10	62.46	232.31	47.08	226.67	93.33	129.82	18.60	6.20	7.70	4.85	2.75	232.31 CMS
MIN	1.40	2.90	28.50	15.50	15.25	36.63	19.80	6.20	2.00	1.30	0.30	0.00	0.00 CMS
RUNOFF	6.895	45.820	200.440	82.549	201.898	154.845	161.432	30.648	10.761	7.664	4.450	3.231	910.633 MCM

MOMENTARY PEAK 253.00 CMS, AT 6.96 M (A.D), AT 24.00 HOURS, ON JUN 23, 1984

RUNOFF YIELD 43.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 377.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

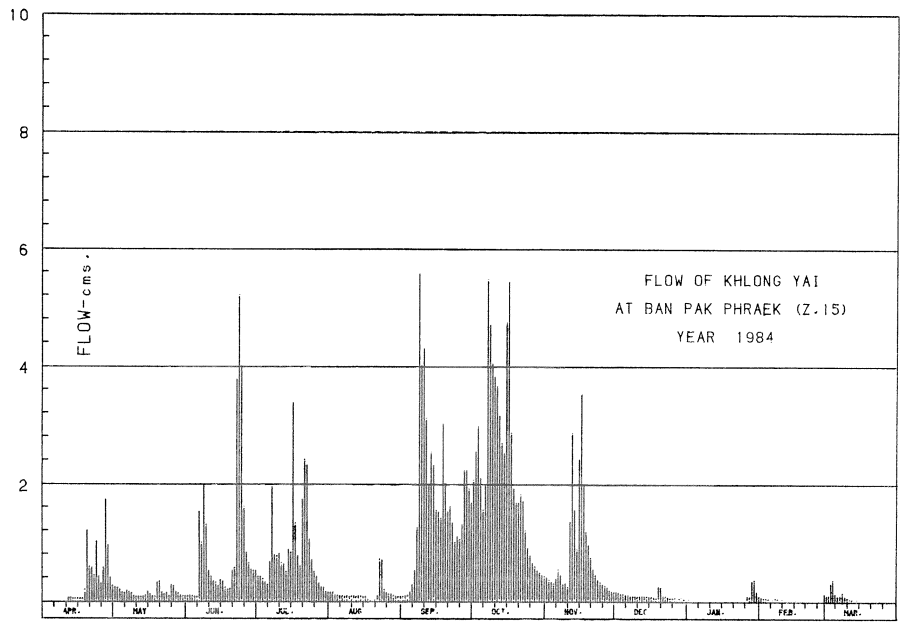
KHLONG YAI AT BAN PAK PHRAEK, RAYONG (Z.15)

LOCATION	LAT. 12-55-41 N., LONG. 101-19-30 E., ON RIGHT BANK AT BAN PAK PHRAEK, KING AMPHOE PLUAK DAENG, RAYONG.
DRAINAGE AREA	244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+4.715 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. NO RECORDS ON APR.1-10,1984. STAGE-DISCHARGE RELATION DEFINED BY 48 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.50	0.40	0.59	0.44	0.38	1.23	0.58	0.44	0.31	0.36	0.40	
2	*******	0.49	0.41	0.59	0.43	0.40	1.38	0.56	0.43	0.31	0.35	0.40	
3	*******	0.47	0.40	0.57	0.41	0.41	1.50	0.54	0.42	0.31	0.34	0.53	
4	*******	0.44	0.39	0.54	0.41	0.44	1.24	0.53	0.42	0.30	0.33	0.56	
5	*******	0.43	0.38	0.52	0.40	0.52	1.06	0.57	0.41	0.30	0.32	0.42	
6	*******	0.46	1.05	0.71	0.40	0.64	1.20	0.65	0.41	0.30	0.31	0.39	
7	*******	0.45	0.85	1.19	0.38	0.95	2.13	0.60	0.39	0.29	0.34	0.40	
8	*******	0.43	1.20	0.76	0.40	2.15	1.95	0.52	0.39	0.29	0.33	0.44	
9	*******	0.40	0.97	0.75	0.39	1.79	1.80	0.53	0.39	0.29	0.32	0.38	
10	*******	0.39	0.64	0.77	0.40	1.85	1.73	0.50	0.39	0.29	0.31	0.36	
11	0.36	0.38	0.59	0.70	0.40	1.54	1.69	0.99	0.39	0.29	0.30	0.34	
12	0.36	0.39	0.55	0.69	0.39	1.20	1.55	1.47	0.38	0.29	0.29	0.32	
13	0.35	0.39	0.54	0.63	0.40	1.38	1.42	1.06	0.38	0.29	0.28	0.32	
14	0.35	0.41	0.51	0.80	0.40	1.31	1.37	0.80	0.38	0.29	0.27	0.31	
15	0.35	0.45	0.56	0.78	0.39	1.06	1.96	1.34	0.37	0.29	0.29	0.30	
16	0.34	0.42	0.55	1.61	0.38	1.05	2.12	1.66	0.37	0.29	0.29	0.29	
17	0.34	0.39	0.49	0.98	0.33	1.01	1.47	1.20	0.36	0.29	0.28	0.29	
18	0.47	0.39	0.47	0.75	0.28	1.51	1.18	0.92	0.35	0.29	0.29	0.29	
19	0.93	0.54	0.48	0.67	0.28	1.21	1.10	0.83	0.50	0.29	0.29	0.29	
20	0.67	0.55	0.64	1.12	0.29	1.05	1.10	0.74	0.49	0.29	0.29	0.29	
21	0.66	0.44	0.66	1.34	0.40	1.08	1.15	0.65	0.39	0.29	0.29	0.28	
22	0.60	0.42	1.72	1.31	0.73	0.98	1.11	0.60	0.38	0.29	0.29	0.29	
23	0.86	0.43	2.07	0.87	0.72	0.85	0.93	0.56	0.36	0.29	0.28	0.28	
24	0.59	0.40	1.78	0.72	0.47	0.89	0.81	0.54	0.35	0.27	0.28	0.28	
25	0.53	0.52	1.08	0.63	0.43	0.87	0.75	0.52	0.35	0.27	0.27	0.29	
26	0.66	0.51	0.78	0.59	0.42	0.97	0.70	0.51	0.34	0.39	0.27	0.28	
27	1.12	0.45	0.70	0.53	0.42	1.28	0.67	0.49	0.34	0.37	0.27	0.28	
28	0.83	0.43	0.65	0.50	0.41	1.28	0.64	0.46	0.33	0.55	0.45	0.28	
29	0.58	0.41	0.64	0.49	0.38	1.18	0.62	0.45	0.35	0.56		0.27	
30	0.51	0.40	0.64	0.45	0.38	1.10	0.60	0.44	0.32	0.44		0.27	
31		0.40		0.44	0.38		0.59		0.31	0.39		0.27	
MEAN	*******	0.44	0.76	0.76	0.41	1.08	1.25	0.73	0.38	0.32	0.31	0.34	
MAX	1.12	0.55	2.07	1.61	0.73	2.15	2.13	1.66	0.50	0.56	0.45	0.56	2.15
MIN	*******	0.38	0.38	0.44	0.28	0.38	0.59	0.44	0.31	0.27	0.27	0.27	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.26 M (A.D), AT 6.00 HOURS, ON OCT 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 4.10 M (A.D)
RIGHT BANK ELEVATION 4.11 M (A.D), DRAINAGE AREA 244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.25	0.10	0.43	0.16	0.09	2.07	0.41	0.16	0.04	0.07	0.10	
2	*******	0.24	0.11	0.43	0.15	0.10	2.55	0.37	0.15	0.04	0.06	0.10	
3	*******	0.21	0.10	0.39	0.11	0.11	2.98	0.33	0.13	0.04	0.06	0.31	
4	*******	0.16	0.09	0.33	0.11	0.16	2.10	0.31	0.13	0.03	0.05	0.37	
5	*******	0.15	0.09	0.29	0.10	0.29	1.56	0.39	0.11	0.03	0.04	0.13	
6	*******	0.19	1.53	0.68	0.10	0.53	1.98	0.55	0.11	0.03	0.04	0.09	
7	*******	0.17	1.01	1.95	0.09	1.26	5.49	0.45	0.09	0.03	0.06	0.10	
8	*******	0.15	1.98	0.80	0.10	5.58	4.71	0.29	0.09	0.03	0.05	0.16	
9	*******	0.10	1.31	0.78	0.09	4.05	4.09	0.31	0.09	0.03	0.04	0.09	
10	*******	0.09	0.53	0.82	0.10	4.30	3.82	0.25	0.09	0.03	0.04	0.07	
11	0.07	0.09	0.43	0.66	0.10	3.12	3.66	1.36	0.09	0.03	0.03	0.06	
12	0.07	0.09	0.35	0.64	0.09	1.98	3.16	2.87	0.09	0.03	0.03	0.04	
13	0.06	0.09	0.33	0.51	0.10	2.55	2.69	1.56	0.09	0.03	0.02	0.04	
14	0.06	0.11	0.27	0.89	0.10	2.32	2.52	0.89	0.09	0.03	0.02	0.04	
15	0.06	0.17	0.37	0.84	0.09	1.56	4.75	2.42	0.08	0.03	0.03	0.03	
16	0.06	0.13	0.35	3.38	0.09	1.53	5.44	3.56	0.08	0.03	0.03	0.03	
17	0.06	0.09	0.24	1.34	0.05	1.42	2.87	1.98	0.07	0.03	0.02	0.03	
18	0.21	0.09	0.21	0.78	0.02	3.02	1.92	1.18	0.06	0.03	0.03	0.03	
19	1.21	0.33	0.22	0.60	0.02	2.01	1.68	0.96	0.25	0.03	0.03	0.03	
20	0.60	0.35	0.53	1.74	0.03	1.53	1.68	0.75	0.24	0.03	0.03	0.03	
21	0.58	0.16	0.58	2.42	0.10	1.62	1.83	0.55	0.09	0.03	0.03	0.02	
22	0.45	0.13	3.78	2.32	0.73	1.34	1.71	0.45	0.09	0.03	0.03	0.03	
23	1.03	0.15	5.22	1.06	0.71	1.01	1.21	0.37	0.07	0.03	0.02	0.02	
24	0.43	0.10	4.01	0.71	0.21	1.11	0.91	0.33	0.06	0.02	0.02	0.02	
25	0.31	0.29	1.62	0.51	0.15	1.06	0.78	0.29	0.06	0.02	0.02	0.03	
26	0.58	0.27	0.84	0.43	0.13	1.31	0.66	0.27	0.06	0.09	0.02	0.02	
27	1.74	0.17	0.66	0.31	0.13	2.23	0.60	0.24	0.06	0.08	0.02	0.02	
28	0.96	0.15	0.55	0.25	0.11	2.23	0.53	0.19	0.05	0.35	0.17	0.02	
29	0.41	0.11	0.53	0.24	0.09	1.92	0.49	0.17	0.06	0.37		0.02	
30	0.27	0.10	0.53	0.17	0.09	1.68	0.45	0.16	0.04	0.16		0.02	
31		0.10		0.16	0.09		0.43		0.04	0.09		0.02	
TOTAL	*******	4.98	28.47	26.86	4.34	53.02	71.32	24.21	2.97	1.90	1.11	2.12	******** CMSDAY
MEAN	*******	0.16	0.95	0.87	0.14	1.77	2.30	0.81	0.10	0.06	0.04	0.07	******** CMS
MAX	1.74	0.35	5.22	3.38	0.73	5.58	5.49	3.56	0.25	0.37	0.17	0.37	5.58 CMS
MIN	*******	0.09	0.09	0.16	0.02	0.09	0.43	0.16	0.04	0.02	0.02	0.02	******** CMS
RUNOFF	*******	0.430	2.460	2.321	0.375	4.581	6.162	2.092	0.257	0.164	0.096	0.183	******** MCM

MOMENTARY PEAK 6.09 CMS, AT 2.26 M (A.D), AT 6.00 HOURS, ON OCT 7, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 24.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

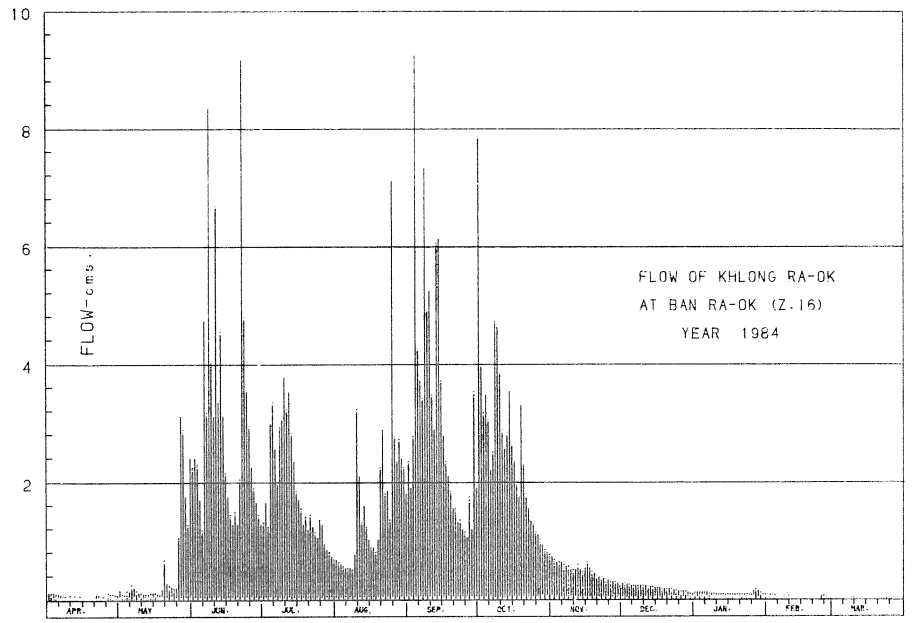
KHLONG RA-OK AT BAN RA-OK, RAYONG (Z.16)

LOCATION	LAT. 12-51-38 N., LONG. 101-45-41 E., ON RIGHT BANK NEAR KHAO CHUK AT BAN RA-OK TAMBON THUNG KHWAI KIN, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+3.368 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 161 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.63	1.16	0.97	0.82	1.18	2.04	0.83	0.69	0.61	0.58	0.56	
2	0.61	0.60	1.19	1.04	0.81	1.09	1.46	0.82	0.69	0.61	0.58	0.56	
3	0.61	0.59	1.17	0.95	0.80	1.26	1.33	0.81	0.68	0.61	0.58	0.55	
4	0.60	0.63	1.05	1.30	0.79	2.21	1.38	0.81	0.68	0.61	0.57	0.55	
5	0.60	0.62	0.94	1.36	0.78	1.51	1.31	0.81	0.67	0.61	0.56	0.54	
6	0.58	0.68	1.59	1.22	0.78	1.42	1.15	0.80	0.67	0.61	0.56	0.53	
7	0.57	0.65	1.33	1.11	0.78	1.37	1.21	0.79	0.67	0.60	0.56	0.54	
8	0.57	0.63	2.10	1.29	0.77	1.97	1.59	0.79	0.67	0.60	0.56	0.54	
9	0.57	0.61	1.47	1.32	0.84	1.62	1.58	0.77	0.67	0.60	0.56	0.54	
10	0.58	0.61	1.32	1.43	1.34	1.67	1.44	0.77	0.67	0.59	0.56	0.54	
11	0.57	0.60	1.88	1.34	1.13	1.38	1.28	0.77	0.67	0.59	0.55	0.53	
12	0.58	0.60	1.36	1.39	0.97	1.28	1.22	0.80	0.66	0.59	0.55	0.53	
13	0.57	0.60	1.56	1.27	1.03	1.79	1.27	0.77	0.66	0.59	0.55	0.52	
14	0.57	0.61	1.32	1.18	0.95	1.80	1.39	0.76	0.66	0.59	0.55	0.53	
15	0.56	0.61	1.14	1.08	0.90	1.42	1.24	0.78	0.65	0.59	0.55	0.53	
16	0.55	0.61	1.06	1.05	0.87	1.26	1.18	0.82	0.65	0.59	0.55	0.53	
17	0.55	0.60	1.00	1.02	0.87	1.18	1.11	0.78	0.65	0.59	0.54	0.52	
18	0.55	0.59	0.96	0.96	0.85	1.13	1.06	0.76	0.64	0.59	0.53	0.51	
19	0.55	0.64	1.01	0.99	0.90	1.08	1.36	0.75	0.64	0.59	0.53	0.51	
20	0.54	0.82	0.96	0.94	1.16	1.02	1.17	0.74	0.64	0.59	0.53	0.50	
21	0.59	0.69	1.12	1.00	1.28	1.02	1.07	0.73	0.64	0.59	0.53	0.50	
22	0.58	0.67	2.20	0.95	1.07	0.97	1.02	0.73	0.64	0.59	0.54	0.50	
23	0.57	0.66	1.60	0.93	1.08	0.98	0.99	0.72	0.63	0.59	0.55	0.53	
24	0.56	0.65	1.39	0.91	0.98	0.94	0.96	0.72	0.63	0.58	0.61	0.52	
25	0.57	0.65	1.29	0.98	1.94	0.93	0.93	0.71	0.62	0.58	0.57	0.52	
26	0.61	0.91	1.16	0.96	1.26	0.91	0.92	0.70	0.62	0.62	0.56	0.52	
27	0.60	1.32	1.09	0.88	1.18	1.06	0.90	0.70	0.62	0.64	0.56	0.50	
28	0.60	1.28	1.04	0.86	1.25	0.94	0.88	0.70	0.62	0.62	0.57	0.50	
29	0.59	1.06	1.00	0.85	1.19	1.39	0.86	0.69	0.61	0.61		0.50	
30	0.58	0.96	0.96	0.83	1.16	1.09	0.85	0.69	0.60	0.59		0.50	
31		1.19		0.82	1.07		0.84		0.60	0.59		0.52	
MEAN	0.58	0.73	1.28	1.07	1.02	1.30	1.19	0.76	0.65	0.60	0.56	0.52	
MAX	0.61	1.32	2.20	1.43	1.94	2.21	2.04	0.83	0.69	0.64	0.61	0.56	2.21
MIN	0.54	0.59	0.94	0.82	0.77	0.91	0.84	0.69	0.60	0.58	0.53	0.50	0.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.78 M (A.D), AT 6.00 HOURS, ON SEP 4, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.32 M (A.D)
LEFT BANK ELEVATION 3.77 M (A.D)
RIGHT BANK ELEVATION 6.99 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.16	2.25	1.32	0.68	2.35	7.87	0.73	0.28	0.12	0.08	0.06	
2	0.12	0.10	2.40	1.65	0.64	1.90	3.96	0.68	0.28	0.12	0.08	0.06	
3	0.12	0.09	2.30	1.24	0.60	2.78	3.18	0.64	0.26	0.12	0.08	0.05	
4	0.10	0.16	1.70	3.00	0.57	9.25	3.48	0.64	0.26	0.12	0.07	0.05	
5	0.10	0.14	1.19	3.36	0.54	4.26	3.06	0.64	0.24	0.12	0.06	0.04	
6	0.08	0.26	4.74	2.56	0.54	3.72	2.20	0.60	0.24	0.12	0.06	0.03	
7	0.07	0.20	3.18	2.00	0.54	3.42	2.51	0.57	0.24	0.10	0.06	0.04	
8	0.07	0.16	8.35	2.95	0.51	7.33	4.74	0.57	0.24	0.10	0.06	0.04	
9	0.07	0.12	4.02	3.12	0.77	4.93	4.68	0.51	0.24	0.10	0.06	0.04	
10	0.08	0.12	3.12	3.78	3.24	5.24	3.84	0.51	0.24	0.09	0.06	0.04	
11	0.07	0.10	6.69	3.24	2.10	3.48	2.89	0.51	0.24	0.09	0.05	0.03	
12	0.08	0.10	3.36	3.54	1.32	2.89	2.56	0.60	0.22	0.09	0.05	0.03	
13	0.07	0.10	4.56	2.84	1.60	6.06	2.84	0.51	0.22	0.09	0.05	0.02	
14	0.07	0.12	3.12	2.35	1.24	6.13	3.54	0.48	0.22	0.09	0.05	0.03	
15	0.06	0.12	2.15	1.85	1.02	3.72	2.67	0.54	0.20	0.09	0.05	0.03	
16	0.05	0.12	1.75	1.70	0.89	2.78	2.35	0.68	0.20	0.09	0.05	0.03	
17	0.05	0.10	1.45	1.55	0.89	2.35	2.00	0.54	0.20	0.09	0.04	0.02	
18	0.05	0.09	1.28	1.28	0.81	2.10	1.75	0.48	0.18	0.09	0.03	0.01	
19	0.05	0.18	1.50	1.41	1.02	1.85	3.36	0.45	0.18	0.09	0.03	0.01	
20	0.04	0.68	1.28	1.19	2.25	1.55	2.30	0.42	0.18	0.09	0.03	0.00	
21	0.09	0.28	2.05	1.45	2.89	1.55	1.80	0.39	0.18	0.09	0.03	0.00	
22	0.08	0.24	9.17	1.24	1.80	1.32	1.55	0.39	0.18	0.09	0.04	0.00	
23	0.07	0.22	4.80	1.15	1.85	1.36	1.41	0.36	0.16	0.09	0.05	0.03	
24	0.06	0.20	3.54	1.06	1.36	1.19	1.28	0.36	0.16	0.08	0.12	0.02	
25	0.07	0.20	2.95	1.36	7.12	1.15	1.15	0.33	0.14	0.08	0.07	0.02	
26	0.12	1.06	2.25	1.28	2.78	1.06	1.11	0.30	0.14	0.14	0.06	0.02	
27	0.10	3.12	1.90	0.94	2.35	1.75	1.02	0.30	0.14	0.18	0.06	0.00	
28	0.10	2.89	1.65	0.85	2.73	1.19	0.94	0.30	0.14	0.14	0.07	0.00	
29	0.09	1.75	1.45	0.81	2.40	3.54	0.85	0.28	0.12	0.12		0.00	
30	0.08	1.28	1.28	0.73	2.25	1.90	0.81	0.28	0.10	0.09		0.00	
31		2.40		0.68	1.80		0.77		0.10	0.09		0.02	
TOTAL	2.38	16.86	91.43	57.48	51.10	94.10	78.47	14.59	6.12	3.20	1.60	0.77	418.10 CMSDAY
MEAN	0.08	0.54	3.05	1.85	1.65	3.14	2.53	0.49	0.20	0.10	0.06	0.02	1.15 CMS
MAX	0.12	3.12	9.17	3.78	7.12	9.25	7.87	0.73	0.28	0.18	0.12	0.06	9.25 CMS
MIN	0.04	0.09	1.19	0.68	0.51	1.06	0.77	0.28	0.10	0.08	0.03	0.00	0.00 CMS
RUNOFF	0.206	1.457	7.900	4.966	4.415	8.130	6.780	1.261	0.529	0.276	0.138	0.067	36.124 MCM

MOMENTARY PEAK 14.17 CMS, AT 2.78 M (A.D), AT 6.00 HOURS, ON SEP 4, 1984

RUNOFF YIELD 27.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 345.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

EAST COAST-GULF BASIN

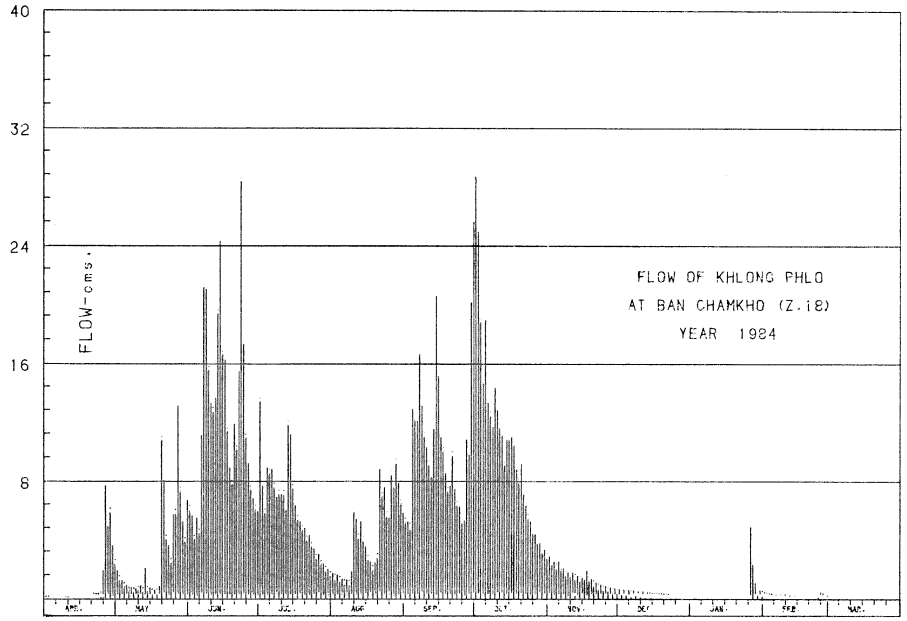
KHLONG PHLO AT BAN CHAMKHO, RAYONG (Z.18)

LOCATION	LAT. 12-57-22 N., LONG. 101-40-31 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN CHAMKHO, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	167 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK VICINITY OF THE STATION OFFICE.
ELEVATION	+5.819 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 163 DISCHAGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.99	1.42	2.00	2.74	1.39	1.90	4.00	1.57	1.15	0.99	1.09	1.01	
2	0.98	1.36	1.92	2.14	1.38	1.87	3.69	1.54	1.14	0.99	1.07	1.03	
3	0.98	1.30	1.76	1.97	1.37	1.86	3.21	1.52	1.14	0.99	1.06	1.01	
4	0.96	1.27	1.90	2.27	1.35	2.67	2.83	1.50	1.13	0.99	1.05	0.99	
5	0.96	1.23	1.81	2.26	1.32	2.64	3.23	1.52	1.13	0.99	1.04	0.97	
6	0.95	1.20	2.49	2.26	1.31	2.59	2.71	1.48	1.12	0.98	1.03	0.98	
7	0.94	1.19	3.41	2.16	1.31	3.02	2.65	1.45	1.12	0.98	1.03	0.99	
8	0.93	1.18	3.38	2.06	1.30	2.69	2.55	1.42	1.11	0.98	1.04	0.97	
9	0.94	1.16	2.93	2.11	1.41	2.51	2.83	1.40	1.10	0.98	1.04	0.98	
10	0.93	1.21	2.71	2.08	1.98	2.41	2.66	1.41	1.10	0.97	1.03	0.97	
11	0.93	1.22	2.68	2.11	1.89	2.32	2.57	1.40	1.10	0.97	1.02	0.96	
12	0.93	1.19	2.74	1.96	1.77	2.20	2.49	1.38	1.09	0.97	1.01	0.96	
13	0.93	1.45	3.26	2.59	1.87	2.56	2.31	1.36	1.08	0.97	1.01	0.95	
14	0.93	1.21	3.64	2.50	1.75	3.34	2.46	1.35	1.08	0.97	1.00	0.94	
15	0.92	1.18	3.02	2.15	1.66	2.90	2.50	1.33	1.07	0.97	1.00	0.93	
16	0.93	1.16	2.97	2.00	1.58	2.48	2.48	1.39	1.07	0.97	0.98	0.92	
17	0.92	1.13	2.54	1.92	1.52	2.41	2.45	1.42	1.07	0.96	0.98	0.92	
18	0.93	1.16	2.27	1.87	1.48	2.23	2.26	1.35	1.06	0.96	0.97	0.91	
19	0.93	1.21	2.18	1.84	1.51	2.13	2.19	1.32	1.06	0.96	0.96	0.90	
20	0.95	2.48	2.57	1.82	1.60	2.14	2.30	1.30	1.05	0.96	0.96	0.90	
21	1.06	2.18	2.42	1.75	2.26	2.38	2.11	1.27	1.05	0.96	0.95	0.90	
22	1.06	1.76	2.90	1.76	2.09	2.12	2.00	1.25	1.04	0.95	0.95	0.90	
23	1.06	1.67	3.97	1.70	2.13	2.03	1.93	1.24	1.03	0.95	1.01	0.90	
24	1.09	1.55	3.06	1.64	1.95	1.99	1.87	1.22	1.03	0.94	1.08	0.89	
25	1.42	1.93	2.50	1.59	1.90	1.89	1.81	1.21	1.02	0.94	1.08	0.89	
26	2.17	1.97	2.30	1.59	2.25	1.88	1.77	1.20	1.01	1.83	1.06	0.88	
27	1.83	2.69	2.14	1.53	2.13	2.49	1.73	1.19	1.01	1.54	1.03	0.88	
28	1.98	2.13	2.05	1.50	2.33	2.36	1.69	1.18	1.01	1.26	1.01	0.88	
29	1.67	1.87	2.00	1.47	2.16	3.33	1.65	1.17	1.00	1.17		0.87	
30	1.54	1.74	1.95	1.44	2.04	3.74	1.63	1.16	1.00	1.13		0.87	
31		2.04		1.41	1.94		1.60		1.00	1.11		0.94	
MEAN	1.12	1.53	2.58	1.94	1.74	2.44	2.39	1.35	1.07	1.04	1.02	0.94	
MAX	2.17	2.69	3.97	2.74	2.33	3.74	4.00	1.57	1.15	1.83	1.09	1.03	4.00
MIN	0.92	1.13	1.76	1.41	1.30	1.86	1.60	1.16	1.00	0.94	0.95	0.87	0.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.23 M (A.D), AT 6.00 HOURS, ON JUN 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 6.91 M (A.D)
RIGHT BANK ELEVATION 8.16 M (A.D), DRAINAGE AREA 167 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.19	1.92	6.35	13.64	1.75	5.50	29.00	2.89	0.65	0.19	0.47	0.23	
2	0.18	1.58	5.67	7.68	1.69	5.25	24.97	2.68	0.62	0.19	0.41	0.29	
3	0.18	1.25	4.33	6.10	1.64	5.16	19.02	2.54	0.62	0.19	0.38	0.23	
4	0.16	1.12	5.50	8.92	1.53	12.90	14.64	2.40	0.59	0.19	0.35	0.19	
5	0.16	0.94	4.74	8.82	1.36	12.60	19.26	2.54	0.59	0.19	0.32	0.17	
6	0.15	0.80	11.10	8.82	1.30	12.10	13.31	2.28	0.56	0.18	0.29	0.18	
7	0.14	0.77	21.42	7.87	1.30	16.83	12.70	2.10	0.56	0.18	0.29	0.19	
8	0.13	0.74	21.06	6.92	1.25	13.10	11.70	1.92	0.53	0.18	0.32	0.17	
9	0.14	0.68	15.80	7.39	1.86	11.30	14.64	1.80	0.50	0.18	0.32	0.18	
10	0.13	0.85	13.31	7.11	6.18	10.30	12.80	1.86	0.50	0.17	0.29	0.17	
11	0.13	0.89	13.00	7.39	5.42	9.40	11.90	1.80	0.50	0.17	0.26	0.16	
12	0.13	0.77	13.64	6.01	4.41	8.25	11.10	1.69	0.47	0.17	0.23	0.16	
13	0.13	2.10	19.62	12.10	5.25	11.80	9.30	1.58	0.44	0.17	0.23	0.15	
14	0.13	0.85	24.32	11.20	4.25	20.58	10.80	1.53	0.44	0.17	0.20	0.14	
15	0.12	0.74	16.83	7.78	3.55	15.45	11.20	1.42	0.41	0.17	0.20	0.13	
16	0.13	0.68	16.26	6.35	2.96	11.00	11.00	1.75	0.41	0.17	0.18	0.12	
17	0.12	0.59	11.60	5.67	2.54	10.30	10.70	1.92	0.41	0.16	0.18	0.12	
18	0.13	0.68	8.92	5.25	2.28	8.54	8.82	1.53	0.38	0.16	0.17	0.11	
19	0.13	0.85	8.06	4.99	2.47	7.59	8.16	1.36	0.38	0.16	0.16	0.10	
20	0.15	11.00	11.90	4.82	3.10	7.68	9.20	1.25	0.35	0.16	0.16	0.10	
21	0.38	8.06	10.40	4.25	8.82	10.00	7.39	1.12	0.35	0.16	0.15	0.10	
22	0.38	4.33	15.45	4.33	7.20	7.49	6.35	1.02	0.32	0.15	0.15	0.10	
23	0.38	3.62	28.61	3.85	7.59	6.63	5.75	0.98	0.29	0.15	0.23	0.10	
24	0.47	2.75	17.29	3.40	5.93	6.26	5.25	0.89	0.29	0.14	0.44	0.09	
25	1.92	5.75	11.20	3.03	5.50	5.42	4.74	0.85	0.26	0.14	0.44	0.09	
26	7.97	6.10	9.20	3.03	8.73	5.33	4.41	0.80	0.23	4.91	0.38	0.08	
27	4.91	13.10	7.68	2.61	7.59	11.10	4.09	0.77	0.23	2.68	0.29	0.08	
28	6.18	7.59	6.82	2.40	9.50	9.80	3.78	0.74	0.23	1.07	0.23	0.08	
29	3.62	5.25	6.35	2.22	7.87	20.46	3.47	0.71	0.20	0.71		0.07	
30	2.68	4.17	5.93	2.04	6.73	25.62	3.32	0.68	0.20	0.59		0.07	
31		6.73		1.86	5.84		3.10		0.20	0.53		0.14	
TOTAL	31.75	97.25	372.36	187.85	137.39	323.74	325.87	47.40	12.71	14.73	7.72	4.29	1563.06 CMSDAY
MEAN	1.06	3.14	12.41	6.06	4.43	10.79	10.51	1.58	0.41	0.48	0.28	0.14	4.28 CMS
MAX	7.97	13.10	28.61	13.64	9.50	25.62	29.00	2.89	0.65	4.91	0.47	0.29	29.00 CMS
MIN	0.12	0.59	4.33	1.86	1.25	5.16	3.10	0.68	0.20	0.14	0.15	0.07	0.07 CMS
RUNOFF	2.743	8.402	32.172	16.230	11.870	27.971	28.155	4.095	1.098	1.273	0.667	0.371	135.048 MCM

MOMENTARY PEAK 32.07 CMS, AT 4.23 M (A.D), AT 6.00 HOURS, ON JUN 23, 1984

RUNOFF YIELD 25.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 192.04 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

CHANTHABURI RIVER BASIN

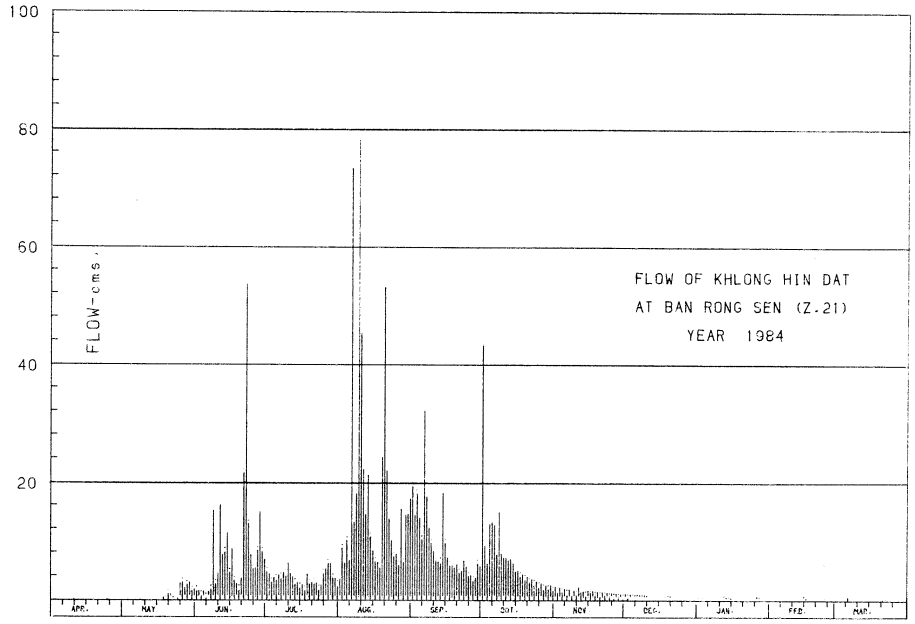
KHLONG HIN DAT AT BAN RONG SEN, CHANTHABURI (Z.21)

LOCATION	LAT. 12-47-23 N., LONG. 102-15-33 E., ON LEFT BANK AT THE BRIDGE ON HIGHWAY, BAN RONG SEN, AMPHOE MAKHAM, CHANTHABURI.
DRAINAGE AREA	66 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 40 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.487 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.65	0.96	1.18	1.05	1.86	2.72	0.95	0.81	0.71	0.67	0.65	
2	0.48	0.64	0.88	1.11	1.42	1.64	1.41	0.94	0.81	0.71	0.66	0.64	
3	0.46	0.65	0.88	1.06	1.23	1.81	1.27	0.94	0.80	0.70	0.66	0.65	
4	0.44	0.63	0.87	1.07	1.48	1.62	1.58	0.93	0.80	0.70	0.66	0.64	
5	0.42	0.62	0.82	1.10	1.26	1.49	1.62	0.92	0.79	0.68	0.65	0.64	
6	0.41	0.65	0.86	1.10	3.57	2.32	1.57	0.91	0.79	0.66	0.65	0.77	
7	0.40	0.63	0.97	1.12	1.59	1.78	1.36	0.91	0.79	0.66	0.65	0.74	
8	0.38	0.66	1.67	1.13	1.81	1.55	1.66	0.90	0.78	0.66	0.65	0.71	
9	0.50	0.66	1.04	1.16	3.68	1.46	1.37	0.89	0.78	0.66	0.65	0.67	
10	0.65	0.65	1.12	1.23	2.77	1.36	1.29	0.88	0.76	0.66	0.64	0.66	
11	0.63	0.67	1.73	1.16	1.95	1.28	1.33	0.94	0.76	0.65	0.64	0.65	
12	0.60	0.64	1.32	1.08	1.67	1.25	1.26	0.93	0.76	0.76	0.65	0.64	
13	0.58	0.63	1.39	1.05	1.91	1.29	1.32	0.87	0.75	0.71	0.66	0.62	
14	0.66	0.64	1.51	1.01	1.51	1.79	1.23	0.87	0.75	0.73	0.66	0.62	
15	0.62	0.64	1.17	1.00	1.36	1.46	1.18	0.89	0.75	0.69	0.76	0.60	
16	0.61	0.64	1.38	0.98	1.29	1.29	1.15	0.92	0.75	0.69	0.68	0.60	
17	0.65	0.67	1.08	0.96	1.24	1.25	1.13	0.88	0.75	0.70	0.66	0.58	
18	0.63	0.79	0.99	1.11	1.23	1.21	1.11	0.87	0.74	0.70	0.66	0.56	
19	0.62	0.74	0.97	1.04	2.03	1.23	1.10	0.86	0.77	0.70	0.66	0.50	
20	0.60	0.90	1.06	1.01	3.00	1.22	1.08	0.86	0.75	0.70	0.65	0.47	
21	0.60	0.80	1.95	1.05	1.94	1.17	1.06	0.85	0.74	0.70	0.65	0.66	
22	0.58	0.72	3.00	1.00	1.64	1.15	1.05	0.85	0.74	0.68	0.65	0.65	
23	0.54	0.68	1.60	0.97	1.45	1.30	1.04	0.84	0.74	0.66	0.68	0.63	
24	0.70	0.78	1.32	0.97	1.34	1.20	1.02	0.83	0.74	0.66	0.68	0.62	
25	0.68	1.00	1.21	1.16	1.33	1.13	1.01	0.83	0.73	0.69	0.68	0.63	
26	0.70	1.06	1.18	1.17	1.25	1.10	1.00	0.82	0.73	0.75	0.68	0.65	
27	0.69	0.93	1.40	1.27	1.68	1.08	0.98	0.82	0.73	0.72	0.65	0.59	
28	0.66	1.03	1.66	1.23	1.28	1.07	0.97	0.82	0.72	0.70	0.65	0.62	
29	0.57	1.01	1.39	1.11	1.64	1.27	0.97	0.80	0.71	0.68		0.64	
30	0.62	0.95	1.27	1.06	1.67	1.20	0.97	0.80	0.71	0.68		0.59	
31		0.91		1.03	1.75		0.95		0.71	0.68		0.74	
MEAN	0.57	0.75	1.29	1.09	1.74	1.39	1.25	0.88	0.76	0.69	0.66	0.63	
MAX	0.70	1.06	3.00	1.27	3.68	2.32	2.72	0.95	0.81	0.76	0.76	0.77	3.68
MIN	0.38	0.62	0.82	0.96	1.05	1.07	0.95	0.80	0.71	0.65	0.64	0.47	0.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.45 M (A.D), AT 20.25 HOURS, ON AUG '9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.32 M (A.D)
LEFT BANK ELEVATION 8.50 M (A.D)
RIGHT BANK ELEVATION 8.48 M (A.D), DRAINAGE AREA 66 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.25	2.42	5.50	3.60	20.00	43.90	2.30	1.07	0.46	0.31	0.25	
2	0.00	0.22	1.56	4.45	9.52	14.50	9.31	2.18	1.07	0.46	0.28	0.22	
3	0.00	0.25	1.56	3.74	6.28	18.75	6.92	2.18	1.00	0.40	0.28	0.25	
4	0.00	0.19	1.49	3.88	10.78	14.00	13.04	2.06	1.00	0.40	0.28	0.22	
5	0.00	0.16	1.14	4.30	6.76	10.99	14.00	1.94	0.94	0.34	0.25	0.22	
6	0.00	0.25	1.42	4.30	73.89	32.26	12.81	1.82	0.94	0.28	0.25	0.82	
7	0.00	0.19	2.54	4.60	13.27	18.00	8.42	1.82	0.94	0.28	0.25	0.64	
8	0.00	0.28	15.25	4.75	18.75	12.35	15.00	1.70	0.88	0.28	0.25	0.46	
9	0.00	0.28	3.46	5.20	78.20	10.36	8.59	1.63	0.88	0.28	0.25	0.31	
10	0.25	0.25	4.60	6.28	45.65	8.42	7.24	1.56	0.76	0.28	0.22	0.28	
11	0.19	0.31	16.75	5.20	22.25	7.08	7.91	2.18	0.76	0.25	0.22	0.25	
12	0.10	0.22	7.74	4.02	15.25	6.60	6.76	2.06	0.76	0.76	0.25	0.22	
13	0.08	0.19	8.93	3.60	21.25	7.24	7.74	1.49	0.70	0.46	0.28	0.16	
14	0.28	0.22	11.43	3.04	11.43	18.25	6.28	1.49	0.70	0.58	0.28	0.16	
15	0.16	0.22	5.35	2.90	8.42	10.36	5.50	1.63	0.70	0.37	0.76	0.10	
16	0.13	0.22	8.76	2.66	7.24	7.24	5.05	1.94	0.70	0.37	0.34	0.10	
17	0.25	0.31	4.02	2.42	6.44	6.60	4.75	1.56	0.70	0.40	0.28	0.08	
18	0.19	0.94	2.78	4.45	6.28	5.96	4.45	1.49	0.64	0.40	0.28	0.06	
19	0.16	0.64	2.54	3.46	24.31	6.28	4.30	1.42	0.82	0.40	0.28	0.00	
20	0.10	1.70	3.74	3.04	53.70	6.12	4.02	1.42	0.70	0.40	0.25	0.00	
21	0.10	1.00	22.25	3.60	22.00	5.35	3.74	1.35	0.64	0.40	0.25	0.28	
22	0.08	0.52	53.70	2.90	14.50	5.05	3.60	1.35	0.64	0.34	0.25	0.25	
23	0.04	0.34	13.50	2.54	10.15	7.40	3.46	1.28	0.64	0.28	0.34	0.19	
24	0.40	0.88	7.74	2.54	8.08	5.80	3.18	1.21	0.64	0.28	0.34	0.16	
25	0.34	2.90	5.96	5.20	7.91	4.75	3.04	1.21	0.58	0.37	0.34	0.19	
26	0.40	3.74	5.50	5.35	6.60	4.30	2.90	1.14	0.58	0.70	0.34	0.25	
27	0.37	2.06	9.10	6.92	15.50	4.02	2.66	1.14	0.58	0.52	0.25	0.09	
28	0.28	3.32	15.00	6.28	7.08	3.88	2.54	1.14	0.52	0.40	0.25	0.16	
29	0.07	3.04	8.93	4.45	14.50	6.92	2.54	1.00	0.46	0.34		0.22	
30	0.16	2.30	6.92	3.74	15.25	5.80	2.54	1.00	0.46	0.34		0.09	
31		1.82		3.32	17.25		2.30		0.46	0.34		0.64	
TOTAL	4.13	29.21	256.08	128.63	582.09	294.63	228.49	47.69	22.86	12.16	8.20	7.32	1621.49 CMSDAY
MEAN	0.14	0.94	8.54	4.15	18.78	9.82	7.37	1.59	0.74	0.39	0.29	0.24	4.44 CMS
MAX	0.40	3.74	53.70	6.92	78.20	32.26	43.90	2.30	1.07	0.76	0.76	0.82	78.20 CMS
MIN	0.00	0.16	1.14	2.42	3.60	3.88	2.30	1.00	0.46	0.25	0.22	0.00	0.00 CMS
RUNOFF	0.357	2.524	22.125	11.114	50.293	25.456	19.742	4.120	1.975	1.051	0.708	0.632	140.097 MCM

MOMENTARY PEAK 208.25 CMS, AT 6.45 M (A.D), AT 20.25 HOURS, ON AUG 9, 1984

RUNOFF YIELD 67.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3155.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

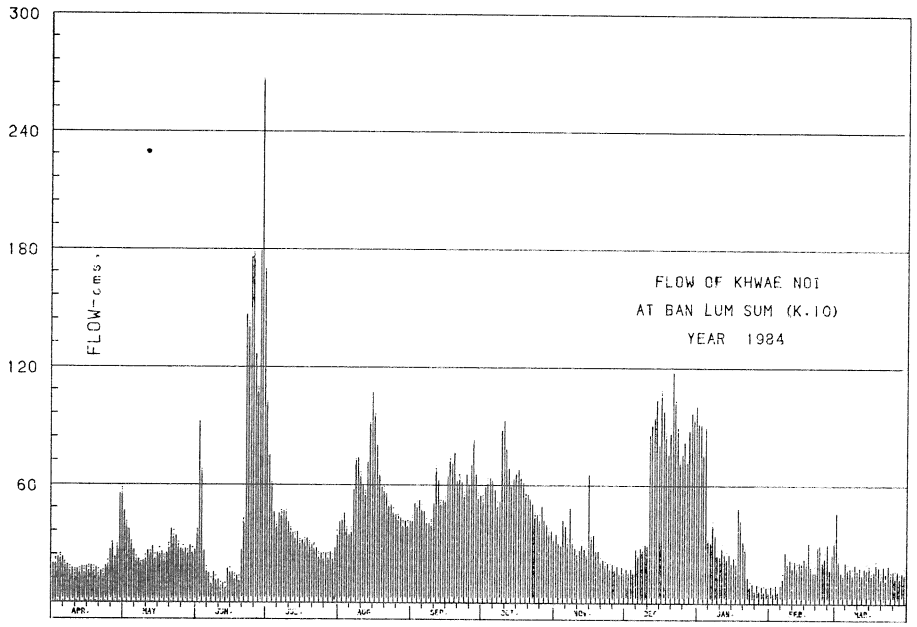
KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14-05-40 N., LONG. 99-10-28 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+30.40 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+52.057 M. (M.S.L.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	31.13	31.63	31.46	32.54	31.53	31.59	31.77	31.42	31.08	32.41	30.89	31.62	
2	31.19	31.53	32.38	32.11	31.59	31.70	31.84	31.39	31.08	32.36	30.87	31.21	
3	31.20	31.46	31.99	31.88	31.61	31.72	31.92	31.31	31.08	32.15	30.90	31.04	
4	31.23	31.35	31.26	31.62	31.48	31.73	31.92	31.59	31.10	32.34	30.89	31.08	
5	31.20	31.27	31.10	31.52	31.41	31.69	31.94	31.49	31.28	31.37	30.90	31.15	
6	31.15	31.21	31.03	31.61	31.48	31.63	31.82	31.38	31.26	31.34	31.03	31.13	
7	31.12	31.18	30.98	31.64	31.82	31.56	31.72	31.66	31.29	31.54	31.25	31.09	
8	31.10	31.15	31.04	31.63	32.08	31.52	31.72	31.38	31.31	31.41	31.20	31.08	
9	31.08	31.16	31.00	31.64	32.09	31.55	32.36	31.29	31.32	31.27	31.18	31.13	
10	31.07	31.22	30.96	31.53	31.97	31.70	32.39	31.27	31.37	31.21	31.16	31.14	
11	31.07	31.26	30.93	31.48	31.85	32.02	32.21	31.27	32.28	31.33	31.17	31.10	
12	31.08	31.26	30.92	31.43	31.81	31.90	32.00	31.37	32.40	31.23	31.14	31.07	
13	31.10	31.30	30.92	31.43	32.05	31.73	31.89	31.28	32.41	31.25	31.15	31.09	
14	31.09	31.23	31.08	31.44	32.37	31.73	31.91	31.29	32.60	31.23	31.20	31.14	
15	31.10	31.24	31.09	31.37	32.61	31.76	32.00	31.95	32.20	31.21	31.19	31.12	
16	31.11	31.29	31.04	31.36	32.46	31.93	31.99	31.39	32.63	31.20	31.20	31.08	
17	31.11	31.25	31.02	31.38	32.20	32.10	31.97	31.41	32.47	31.20	31.34	31.05	
18	31.10	31.22	31.00	31.38	31.98	32.04	31.88	31.31	32.30	31.66	31.17	31.19	
19	31.09	31.24	31.00	31.35	31.84	32.18	31.80	31.26	32.12	31.59	31.04	31.10	
20	31.07	31.33	31.27	31.32	31.86	31.89	31.78	31.20	32.34	31.35	31.11	31.04	
21	31.05	31.46	31.56	31.33	31.79	31.95	31.79	31.18	32.77	31.33	31.30	31.11	
22	31.06	31.45	33.19	31.29	31.72	31.88	31.70	31.16	32.57	30.99	31.38	31.12	
23	31.11	31.40	33.14	31.25	31.69	31.80	31.62	31.14	32.34	30.94	31.15	31.12	
24	31.17	31.34	33.60	31.24	31.66	31.95	31.60	31.14	32.07	30.92	31.25	31.09	
25	31.27	31.28	33.63	31.24	31.60	31.90	31.60	31.13	32.12	30.91	31.33	31.06	
26	31.34	31.31	32.90	31.24	31.60	32.03	31.68	31.12	32.27	30.91	31.13	31.06	
27	31.20	31.28	32.65	31.24	31.57	32.25	31.60	31.11	32.05	30.90	31.23	31.06	
28	31.32	31.27	33.64	31.25	31.54	31.95	31.51	31.10	32.36	30.89	31.39	31.02	
29	31.78	31.31	34.81	31.23	31.54	31.79	31.48	31.10	32.45	30.89		31.04	
30	31.83	31.29	33.52	31.29	31.54	31.77	31.45	31.09	32.44	30.88		31.09	
31		31.27		31.45	31.54		31.43		32.51	30.88		31.14	
MEAN	31.18	31.30	31.87	31.47	31.80	31.83	31.82	31.31	32.00	31.33	31.15	31.11	
MAX	31.83	31.63	34.81	32.54	32.61	32.25	32.39	31.95	32.77	32.41	31.39	31.62	34.81
MIN	31.05	31.15	30.92	31.23	31.41	31.52	31.43	31.09	31.08	30.88	30.87	31.02	30.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 34.93 M (MSL), AT 7.00 HOURS, ON JUN 29, 1984
ZERO GAGE AT BOTTOM ELEVATION 30.40 M (MSL), RIVER BED 28.77 M (MSL)
LEFT BANK ELEVATION 51.81 M (MSL)
RIGHT BANK ELEVATION 47.03 M (MSL), DRAINAGE AREA 7008 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.73	46.65	37.30	102.60	41.15	44.45	54.70	35.10	17.40	94.15	8.55	46.10	
2	22.53	41.15	92.20	75.10	44.45	50.50	58.90	33.45	17.40	90.90	7.65	23.55	
3	23.00	37.30	67.90	61.30	45.55	51.70	63.70	29.05	17.40	77.50	9.00	15.53	
4	24.65	31.25	26.30	46.10	38.40	52.30	63.70	44.45	18.33	89.60	8.55	17.40	
5	23.00	26.85	18.33	40.60	34.55	49.95	64.90	38.95	27.40	32.35	9.00	20.67	
6	20.67	23.55	15.07	45.55	38.40	46.65	57.70	32.90	26.30	30.70	15.07	19.73	
7	19.27	22.07	12.73	47.20	57.70	42.80	51.70	48.30	27.95	41.70	25.75	17.87	
8	18.33	20.67	15.53	46.65	73.30	40.60	51.70	32.90	29.05	34.55	23.00	17.40	
9	17.40	21.13	13.67	47.20	73.90	42.25	90.90	27.95	29.60	26.85	22.07	19.73	
10	16.93	24.10	11.80	41.15	66.70	50.50	92.85	26.85	32.35	23.55	21.13	20.20	
11	16.93	26.30	10.40	38.40	59.50	69.70	81.15	26.85	85.70	30.15	21.60	18.33	
12	17.40	26.30	9.93	35.65	57.10	62.50	68.50	32.35	93.50	24.65	20.20	16.93	
13	18.33	28.50	9.93	35.65	71.50	52.30	61.90	27.40	94.15	25.75	20.67	17.87	
14	17.87	24.65	17.40	36.20	91.55	52.30	63.10	27.95	106.50	24.65	23.00	20.20	
15	18.33	25.20	17.87	32.35	107.15	54.10	68.50	65.50	80.50	23.55	22.53	19.27	
16	18.80	27.95	15.53	31.80	97.40	64.30	67.30	33.45	108.45	23.00	23.00	17.40	
17	18.80	25.75	14.60	32.90	80.50	74.50	66.70	34.55	98.05	23.00	30.70	16.00	
18	18.33	24.10	13.67	32.90	67.30	70.90	61.30	29.05	87.00	48.30	21.60	22.53	
19	17.87	25.20	13.67	31.25	58.90	79.30	56.50	26.30	75.70	44.45	15.53	18.33	
20	16.93	30.15	26.85	29.60	60.10	61.90	55.30	23.00	89.60	31.25	18.80	15.53	
21	16.00	37.30	42.80	30.15	55.90	65.50	55.90	22.07	117.55	30.15	28.50	18.80	
22	16.47	36.75	146.80	27.95	51.70	61.30	50.50	21.13	104.55	13.20	32.90	19.27	
23	18.80	34.00	143.30	25.75	49.95	56.50	46.10	20.20	89.60	10.87	20.67	19.27	
24	21.60	30.70	176.00	25.20	48.30	65.50	45.00	20.20	72.70	9.93	25.75	17.87	
25	26.85	27.40	178.25	25.20	45.00	62.50	45.00	19.73	75.70	9.47	30.15	16.47	
26	30.70	29.05	126.50	25.20	45.00	70.30	49.40	19.27	85.05	9.47	19.73	16.47	
27	23.00	27.40	109.75	25.20	43.35	83.75	45.00	18.80	71.50	9.00	24.65	16.47	
28	29.60	26.85	179.00	25.75	41.70	65.50	40.05	18.33	90.90	8.55	33.45	14.60	
29	55.30	29.05	266.80	24.65	41.70	55.90	38.40	18.33	96.75	8.55		15.53	
30	58.30	27.95	170.00	27.95	41.70	54.70	36.75	17.87	96.10	8.10		17.87	
31		26.85		36.75	41.70		35.65		100.65	8.10		20.20	
TOTAL	681.72	892.12	1999.88	1189.90	1771.10	1754.95	1789.35	872.23	2163.38	965.99	583.20	593.39	15257.21 CMSDAY
MEAN	22.72	28.78	66.66	38.38	57.13	58.50	57.72	29.07	69.79	31.16	20.83	19.14	41.80 CMS
MAX	58.30	46.65	266.80	102.60	107.15	83.75	92.85	65.50	117.55	94.15	33.45	46.10	266.80 CMS
MIN	16.00	20.67	9.93	24.65	34.55	40.60	35.65	17.87	17.40	8.10	7.65	14.60	7.65 CMS
RUNOFF	58.901	77.079	172.790	102.807	153.023	151.628	154.600	75.361	186.916	83.462	50.388	51.269	1318.223 MCM

MOMENTARY PEAK 276.40 CMS, AT 34.93 M (MSL), AT 7.00 HOURS, ON JUN 29, 1984

RUNOFF YIELD 5.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 39.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

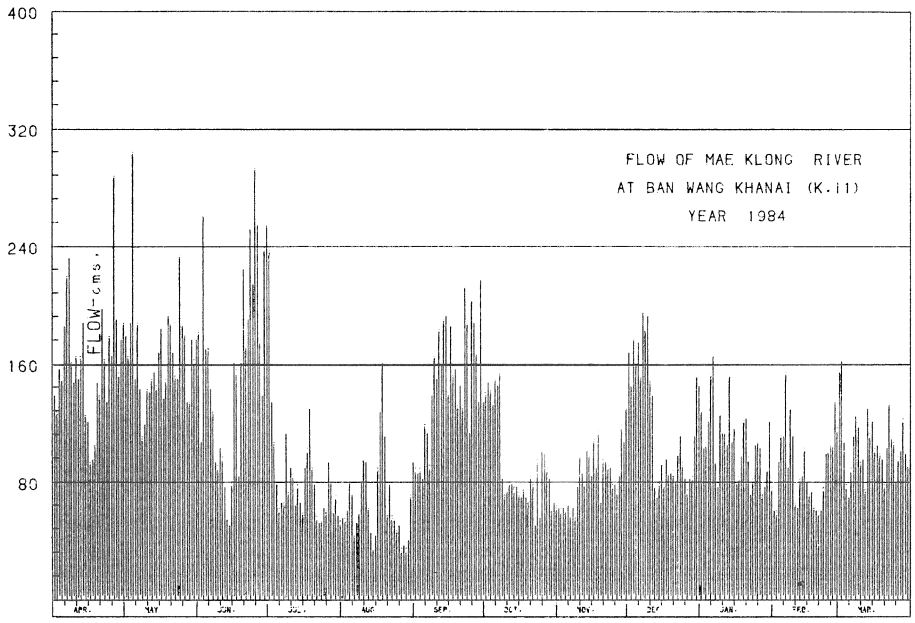
MAE KLONG RIVER AT BAN WANG KHANAI, KANCHANABURI (K.11)

LOCATION	LAT. 13-56-55 N., LONG. 99-38-42 E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM AMPHOE THA MUANG OFFICE, AMPHOE THA MUANG, KANCHANABURI.
DRAINAGE AREA	26,449 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+11.928 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+21.985 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1969, 1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1969, 1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY VACHIRALONGKORN DIVERSION DAM FOR IRRIGATION OF ABOUT 419,520 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 83 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.08	12.26	12.28	12.50	11.65	11.84	12.09	11.69	12.21	12.04	11.68	12.15	
2	12.03	12.20	11.93	12.06	11.65	11.82	12.12	11.69	12.12	11.91	11.68	12.20	
3	12.16	12.30	12.60	11.93	11.68	11.84	12.11	11.69	12.25	11.93	11.86	11.93	
4	12.14	12.76	12.22	11.78	11.80	11.80	12.05	11.69	12.19	12.00	11.96	11.78	
5	12.29	12.13	12.23	11.69	11.74	11.99	12.14	11.70	12.24	12.15	11.95	11.73	
6	12.43	12.30	12.10	11.71	11.58	11.96	12.11	11.67	12.14	12.20	12.15	11.84	
7	12.48	12.10	12.03	11.71	11.63	11.85	12.16	11.69	12.33	11.87	11.84	11.95	
8	12.18	11.95	11.86	11.96	11.68	12.08	11.80	11.67	12.29	11.77	12.05	12.03	
9	12.12	11.99	11.85	11.75	11.79	12.20	11.74	11.77	12.32	12.03	11.95	11.98	
10	12.20	12.10	11.91	11.84	11.88	12.13	11.75	11.89	12.13	11.96	11.71	11.86	
11	12.13	12.09	11.88	11.82	11.86	12.28	11.79	11.82	12.08	11.98	11.69	11.87	
12	12.20	12.13	11.77	11.70	11.69	12.17	11.78	11.79	11.78	11.92	11.80	11.76	
13	12.30	12.15	11.66	11.78	11.59	12.31	11.77	11.90	11.73	12.15	11.81	12.04	
14	12.02	12.11	11.62	11.71	11.54	12.32	11.77	11.90	11.79	11.93	11.91	11.96	
15	12.00	12.21	11.79	11.67	11.58	12.09	11.75	11.81	11.85	11.99	11.79	12.00	
16	11.86	12.29	12.18	11.84	11.84	12.29	11.73	11.94	11.78	11.78	11.74	11.91	
17	11.87	12.07	12.16	11.91	12.03	12.14	11.76	11.84	11.87	11.81	11.75	11.92	
18	11.92	12.13	11.81	12.04	12.19	12.16	11.73	11.97	11.83	11.88	11.69	11.89	
19	12.12	12.32	12.19	11.84	11.95	12.05	11.71	11.71	11.82	12.01	11.68	11.87	
20	12.08	12.31	12.45	11.78	11.66	12.11	11.80	11.87	11.83	12.01	11.68	11.78	
21	12.34	12.21	12.23	11.66	11.78	12.05	11.78	11.86	11.79	11.88	11.68	11.91	
22	12.19	12.14	12.31	11.63	11.66	12.40	11.62	11.85	11.90	11.74	11.77	12.06	
23	12.06	12.13	12.57	11.65	11.64	12.30	11.87	11.84	11.95	11.80	11.89	11.94	
24	12.26	12.49	12.41	11.69	11.60	11.96	11.65	11.78	11.86	11.92	11.91	11.93	
25	12.20	12.29	12.72	11.68	11.62	12.37	11.91	11.78	11.80	11.94	11.92	11.79	
26	12.70	12.27	12.57	11.86	11.53	12.30	11.89	11.76	11.76	11.91	11.93	11.88	
27	12.31	12.06	12.25	11.80	11.54	12.21	11.84	11.81	11.80	11.74	12.06	11.90	
28	12.15	12.06	12.08	11.67	11.53	12.06	11.80	11.99	11.81	11.77	11.98	12.01	
29	12.25	12.25	12.51	11.74	11.56	12.43	11.70	11.93	11.95	11.84		11.89	
30	12.30	12.19	12.57	11.66	11.74	12.06	11.71	12.05	12.15	12.00		11.86	
31		12.25		11.64	11.86		11.70		12.11	11.77		11.85	
MEAN	12.18	12.20	12.16	11.80	11.71	12.12	11.84	11.81	11.98	11.92	11.84	11.92	
MAX	12.70	12.76	12.72	12.50	12.19	12.43	12.16	12.05	12.33	12.20	12.15	12.20	12.76
MIN	11.86	11.95	11.62	11.63	11.53	11.80	11.62	11.67	11.73	11.74	11.68	11.73	11.53

ANNUAL MAX MOMENTARY GAGE HEIGHT 13.62 M (MSL), AT 6.00 HOURS, ON JUN 26, 1984
ZERO GAGE AT BOTTOM ELEVATION 11.93 M (MSL), RIVER BED 10.30 M (MSL)
LEFT BANK ELEVATION 21.56 M (MSL)
RIGHT BANK ELEVATION 22.83 M (MSL), DRAINAGE AREA 26449 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	138.60	179.00	183.50	237.00	55.50	89.60	140.80	62.30	167.75	129.80	60.60	154.25	
2	127.60	165.50	107.00	134.20	55.50	85.80	147.50	62.30	147.50	103.00	60.60	165.50	
3	156.50	188.00	262.00	107.00	60.60	89.60	145.25	62.30	176.75	107.00	93.40	107.00	
4	152.00	304.20	170.00	78.40	82.00	82.00	132.00	62.30	163.25	121.00	113.00	78.40	
5	185.75	149.75	172.25	62.30	71.20	119.00	152.00	64.00	174.50	154.25	111.00	69.40	
6	219.50	188.00	143.00	65.80	43.60	113.00	145.25	58.90	152.00	165.50	154.25	89.60	
7	232.00	143.00	127.60	65.80	52.10	91.50	156.50	62.30	195.20	95.30	89.60	111.00	
8	161.00	111.00	93.40	113.00	60.60	138.60	82.00	58.90	185.75	76.60	132.00	127.60	
9	147.50	119.00	91.50	73.00	80.20	165.50	71.20	76.60	192.80	127.60	111.00	117.00	
10	165.50	143.00	103.00	89.60	97.20	149.75	73.00	99.10	149.75	113.00	65.80	93.40	
11	149.75	140.80	97.20	85.80	93.40	183.50	80.20	85.80	138.60	117.00	62.30	95.30	
12	165.50	149.75	76.60	64.00	62.30	158.75	78.40	80.20	78.40	105.00	82.00	74.80	
13	188.00	154.25	57.20	78.40	45.30	190.40	76.60	101.00	69.40	154.25	83.90	129.80	
14	125.40	145.25	50.40	65.80	36.80	192.80	76.60	101.00	80.20	107.00	103.00	113.00	
15	121.00	167.75	80.20	58.90	43.60	140.80	73.00	83.90	91.50	119.00	80.20	121.00	
16	93.40	185.75	161.00	89.60	89.60	185.75	69.40	109.00	78.40	78.40	71.20	103.00	
17	95.30	136.40	156.50	103.00	127.60	152.00	74.80	89.60	95.30	83.90	73.00	105.00	
18	105.00	149.75	83.90	129.80	163.25	156.50	69.40	115.00	87.70	97.20	62.30	99.10	
19	147.50	192.80	163.25	89.60	111.00	132.00	65.80	65.80	85.80	123.20	60.60	95.30	
20	138.60	190.40	224.50	78.40	57.20	145.25	82.00	95.30	87.70	123.20	60.60	78.40	
21	197.60	167.75	172.25	57.20	78.40	132.00	78.40	93.40	80.20	97.20	60.60	103.00	
22	163.25	152.00	190.40	52.10	57.20	212.00	50.40	91.50	101.00	71.20	76.60	134.20	
23	134.20	149.75	254.50	55.50	53.80	188.00	95.30	89.60	111.00	82.00	99.10	109.00	
24	179.00	234.50	214.50	62.30	47.00	113.00	55.50	78.40	93.40	105.00	103.00	107.00	
25	165.50	185.75	293.40	60.60	50.40	204.80	103.00	78.40	82.00	109.00	105.00	80.20	
26	288.00	181.25	254.50	93.40	35.10	188.00	99.10	74.80	74.80	103.00	107.00	97.20	
27	190.40	134.20	176.75	82.00	36.80	167.75	89.60	83.90	82.00	71.20	134.20	101.00	
28	154.25	134.20	138.60	58.90	35.10	134.20	82.00	119.00	83.90	76.60	117.00	123.20	
29	176.75	176.75	239.50	71.20	40.20	219.50	64.00	107.00	111.00	89.60		99.10	
30	188.00	163.25	254.50	57.20	71.20	134.20	65.80	132.00	154.25	121.00		93.40	
31		176.75		53.80	93.40		64.00		145.25	76.60		91.50	
TOTAL	4852.35	5159.50	4792.90	2573.60	2087.15	4455.55	2838.80	2543.60	3717.05	3303.60	2532.85	3266.65	42123.61 CMSDAY
MEAN	161.75	166.44	159.76	83.02	67.33	148.52	91.57	84.79	119.90	106.57	90.46	105.38	115.41 CMS
MAX	288.00	304.20	293.40	237.00	163.25	219.50	156.50	132.00	195.20	165.50	154.25	165.50	304.20 CMS
MIN	93.40	111.00	50.40	52.10	35.10	82.00	50.40	58.90	69.40	71.20	60.60	69.40	35.10 CMS
RUNOFF	419.243	445.781	414.107	222.359	180.330	384.960	245.272	219.767	321.153	285.431	218.838	282.239	3639.479 MCM

MOMENTARY PEAK 550.00 CMS, AT 13.62 M (MSL), AT 6.00 HOURS, ON JUN 26, 1984

RUNOFF YIELD 4.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

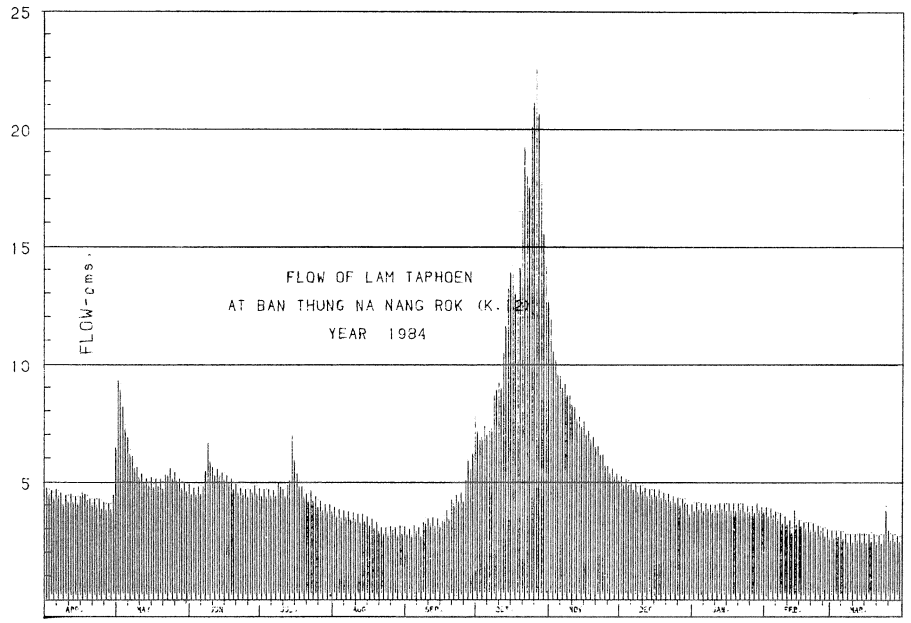
LAM TAPHOEN AT BAN THUNG NA NANG ROK, KANCHANABURI (K.12)

LOCATION	LAT. 14-09-15 N., LONG. 99-25-06 E., ON LEFT BANK ABOUT 50 METERS DOWNSTREAM FROM WAT THUNG NA NANG ROK, TAMBON LAT YA, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	2,340 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 8.00 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.930 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1968
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1968
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 161 DISCHARGE MEASUREMENTS MADE IN 1968.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.61	2.33	1.63	1.60	1.45	1.28	2.06	2.68	1.70	1.49	1.45	1.24	
2	1.60	2.31	1.61	1.60	1.44	1.25	1.96	2.54	1.68	1.49	1.44	1.24	
3	1.59	2.17	1.62	1.60	1.43	1.27	2.01	2.45	1.68	1.49	1.44	1.24	
4	1.58	2.06	1.62	1.60	1.42	1.29	2.05	2.40	1.67	1.48	1.42	1.24	
5	1.60	1.98	1.63	1.60	1.42	1.30	2.05	2.36	1.65	1.48	1.41	1.24	
6	1.59	1.90	1.62	1.59	1.42	1.27	2.02	2.32	1.65	1.48	1.40	1.23	
7	1.57	1.85	1.78	1.61	1.41	1.26	2.07	2.31	1.64	1.48	1.40	1.21	
8	1.51	1.80	1.94	1.65	1.41	1.32	2.24	2.28	1.62	1.47	1.39	1.20	
9	1.55	1.77	1.85	1.68	1.40	1.36	2.31	2.24	1.63	1.47	1.37	1.20	
10	1.55	1.74	1.77	1.60	1.40	1.35	2.32	2.22	1.63	1.47	1.36	1.20	
11	1.56	1.72	1.77	1.60	1.39	1.36	2.33	2.17	1.61	1.47	1.34	1.20	
12	1.54	1.70	1.76	1.63	1.38	1.36	2.49	2.13	1.60	1.48	1.27	1.20	
13	1.54	1.68	1.74	1.71	1.39	1.35	2.67	2.11	1.60	1.48	1.42	1.21	
14	1.54	1.69	1.73	1.99	1.38	1.35	2.84	2.09	1.60	1.48	1.35	1.20	
15	1.54	1.69	1.73	1.86	1.37	1.35	2.96	2.08	1.60	1.48	1.34	1.21	
16	1.61	1.68	1.71	1.72	1.36	1.33	2.98	2.04	1.60	1.48	1.34	1.20	
17	1.56	1.68	1.70	1.67	1.35	1.38	2.85	2.02	1.60	1.48	1.32	1.20	
18	1.55	1.69	1.68	1.62	1.32	1.42	2.77	2.00	1.58	1.48	1.32	1.22	
19	1.52	1.68	1.65	1.59	1.32	1.41	2.98	1.98	1.57	1.48	1.32	1.20	
20	1.52	1.66	1.64	1.56	1.30	1.51	3.25	1.95	1.56	1.48	1.32	1.19	
21	1.52	1.71	1.63	1.56	1.27	1.53	3.56	1.92	1.56	1.48	1.31	1.19	
22	1.52	1.76	1.61	1.59	1.29	1.55	3.41	1.89	1.55	1.48	1.31	1.20	
23	1.52	1.76	1.62	1.55	1.27	1.56	3.38	1.86	1.54	1.47	1.29	1.20	
24	1.51	1.74	1.60	1.54	1.27	1.57	3.64	1.82	1.54	1.46	1.28	1.46	
25	1.49	1.73	1.60	1.51	1.28	1.57	3.78	1.78	1.53	1.46	1.27	1.24	
26	1.48	1.71	1.60	1.50	1.30	1.67	3.90	1.77	1.52	1.46	1.27	1.21	
27	1.48	1.68	1.62	1.49	1.27	1.87	3.73	1.76	1.52	1.47	1.25	1.20	
28	1.48	1.66	1.63	1.47	1.26	1.75	3.38	1.74	1.52	1.48	1.24	1.20	
29	1.55	1.65	1.63	1.47	1.29	1.92	3.15	1.72	1.47	1.48		1.18	
30	1.94	1.63	1.61	1.47	1.28	2.12	2.96	1.71	1.43	1.45		1.18	
31		1.64		1.47	1.28		2.81		1.47	1.46		1.20	
MEAN	1.56	1.79	1.68	1.60	1.35	1.46	2.80	2.08	1.58	1.48	1.34	1.22	
MAX	1.94	2.33	1.94	1.99	1.45	2.12	3.90	2.68	1.70	1.49	1.45	1.46	3.90
MIN	1.48	1.63	1.60	1.47	1.26	1.25	1.96	1.71	1.43	1.45	1.24	1.18	1.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.91 M (A.D), AT 9.00 HOURS, ON OCT 26, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.61 M (A.D)
LEFT BANK ELEVATION 9.40 M (A.D)
RIGHT BANK ELEVATION 7.06 M (A.D), DRAINAGE AREA 2340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.75	9.31	4.86	4.70	3.95	3.12	7.44	11.94	5.25	4.15	3.95	2.96	
2	4.70	9.17	4.75	4.70	3.90	3.00	6.79	10.85	5.14	4.15	3.90	2.96	
3	4.65	8.19	4.81	4.70	3.85	3.08	7.12	10.18	5.14	4.15	3.90	2.96	
4	4.60	7.44	4.81	4.70	3.80	3.16	7.38	9.80	5.08	4.10	3.80	2.96	
5	4.70	6.92	4.86	4.70	3.80	3.20	7.38	9.52	4.98	4.10	3.75	2.96	
6	4.65	6.40	4.81	4.65	3.80	3.08	7.18	9.24	4.98	4.10	3.70	2.92	
7	4.55	6.10	5.69	4.75	3.75	3.04	7.51	9.17	4.92	4.10	3.70	2.84	
8	4.25	5.80	6.66	4.98	3.75	3.30	8.68	8.96	4.81	4.05	3.65	2.80	
9	4.45	5.64	6.10	5.14	3.70	3.50	9.17	8.68	4.86	4.05	3.55	2.80	
10	4.45	5.47	5.64	4.70	3.70	3.45	9.24	8.54	4.86	4.05	3.50	2.80	
11	4.50	5.36	5.64	4.70	3.65	3.50	9.31	8.19	4.75	4.05	3.40	2.80	
12	4.40	5.25	5.58	4.86	3.60	3.50	10.48	7.91	4.70	4.10	3.08	2.80	
13	4.40	5.14	5.47	5.31	3.65	3.45	11.86	7.77	4.70	4.10	3.80	2.84	
14	4.40	5.20	5.42	6.99	3.60	3.45	13.22	7.63	4.70	4.10	3.45	2.80	
15	4.40	5.20	5.42	6.16	3.55	3.45	14.18	7.57	4.70	4.10	3.40	2.84	
16	4.75	5.14	5.31	5.36	3.50	3.35	14.34	7.31	4.70	4.10	3.40	2.80	
17	4.50	5.14	5.25	5.08	3.45	3.60	13.30	7.18	4.70	4.10	3.30	2.80	
18	4.45	5.20	5.14	4.81	3.30	3.80	12.66	7.05	4.60	4.10	3.30	2.88	
19	4.30	5.14	4.98	4.65	3.30	3.75	14.34	6.92	4.55	4.10	3.30	2.80	
20	4.30	5.03	4.92	4.50	3.20	4.25	16.62	6.73	4.50	4.10	3.30	2.76	
21	4.30	5.31	4.86	4.50	3.08	4.35	19.34	6.53	4.50	4.10	3.25	2.76	
22	4.30	5.58	4.75	4.65	3.16	4.45	17.99	6.34	4.45	4.10	3.25	2.80	
23	4.30	5.58	4.81	4.45	3.08	4.50	17.73	6.16	4.40	4.05	3.16	2.80	
24	4.25	5.47	4.70	4.40	3.08	4.55	20.08	5.92	4.40	4.00	3.12	4.00	
25	4.15	5.42	4.70	4.25	3.12	4.55	21.41	5.69	4.35	4.00	3.08	2.96	
26	4.10	5.31	4.70	4.20	3.20	5.08	22.55	5.64	4.30	4.00	3.08	2.84	
27	4.10	5.14	4.81	4.15	3.08	6.22	20.94	5.58	4.30	4.05	3.00	2.80	
28	4.10	5.03	4.86	4.05	3.04	5.53	17.73	5.47	4.30	4.10	2.96	2.80	
29	4.45	4.98	4.86	4.05	3.16	6.53	15.78	5.36	4.05	4.10		2.72	
30	6.66	4.86	4.75	4.05	3.12	7.84	14.18	5.31	3.85	3.95		2.72	
31		4.92		4.05	3.12		12.98		4.05	4.00		2.80	
TOTAL	134.86	179.84	153.92	146.94	107.04	121.63	408.91	229.14	143.57	126.40	96.03	89.08	1937.36 CMSDAY
MEAN	4.50	5.80	5.13	4.74	3.45	4.05	13.19	7.64	4.63	4.08	3.43	2.87	5.31 CMS
MAX	6.66	9.31	6.66	6.99	3.95	7.84	22.55	11.94	5.25	4.15	3.95	4.00	22.55 CMS
MIN	4.10	4.86	4.70	4.05	3.04	3.00	6.79	5.31	3.85	3.95	2.96	2.72	2.72 CMS
RUNOFF	11.652	15.538	13.299	12.696	9.248	10.509	35.330	19.798	12.404	10.921	8.297	7.697	167.388 MCM

MOMENTARY PEAK 22.65 CMS, AT 3.91 M (A.D), AT 9.00 HOURS, ON OCT 26, 1984

RUNOFF YIELD 2.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.68 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN.

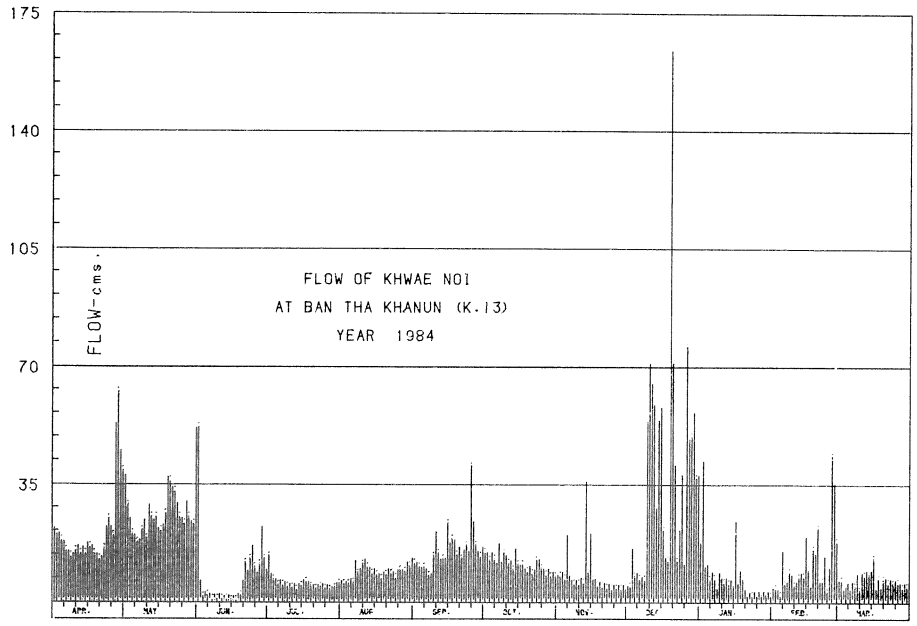
KHWAE NOI RIVER AT BAN THA KHANUN, KANCHANABURI (K.13)

LOCATION	LAT. 14-43-50 N., LONG. 98-38-32 E., ON RIGHT BANK AT POMPE VILLAGE, ABOUT 200 METERS DOWNSTREAM FROM WAT THA KHANUN, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	4,047 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+73.641 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE OBSERVER'S HOUSE.
ELEVATION	+97.165 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965 - 1971, 1979.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965 - 1971, 1979.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 120 DISCHARGE MEASUREMENTS MADE IN 1971, 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	75.78	76.08	76.33	75.62	75.38	75.57	75.65	75.44	75.33	75.71	75.31	75.38	
2	75.77	75.94	75.38	75.45	75.39	75.55	75.62	75.47	75.36	76.15	75.34	75.42	
3	75.75	75.84	75.24	75.43	75.37	75.54	75.59	75.47	75.65	75.54	75.29	75.29	
4	75.73	75.77	75.25	75.40	75.39	75.51	75.62	75.44	75.46	75.53	75.26	75.36	
5	75.70	75.74	75.27	75.38	75.40	75.54	75.60	75.74	75.46	75.43	75.63	75.36	
6	75.66	75.72	75.22	75.39	75.40	75.50	75.54	75.46	75.44	75.47	75.38	75.34	
7	75.63	75.71	75.21	75.38	75.56	75.47	75.71	75.39	75.42	75.44	75.37	75.37	
8	75.62	75.79	75.21	75.37	75.49	75.45	75.55	75.39	75.43	75.30	75.50	75.36	
9	75.61	75.83	75.21	75.36	75.50	75.62	75.64	75.39	76.34	75.50	75.44	75.45	
10	75.66	75.74	75.22	75.35	75.56	75.76	75.60	75.39	76.60	75.41	75.37	75.32	
11	75.67	75.92	75.21	75.35	75.57	75.64	75.57	75.41	76.50	75.40	75.37	75.46	
12	75.64	75.87	75.19	75.35	75.54	75.57	75.56	75.40	76.43	75.41	75.45	75.47	
13	75.66	75.83	75.21	75.33	75.51	75.60	75.52	76.05	75.90	75.39	75.46	75.48	
14	75.64	75.87	75.20	75.35	75.49	75.58	75.65	75.50	76.36	75.39	75.46	75.48	
15	75.69	75.78	75.19	75.37	75.50	75.83	75.56	75.75	76.40	75.37	75.73	75.48	
16	75.69	75.79	75.19	75.39	75.48	75.69	75.53	75.43	75.79	75.82	75.52	75.60	
17	75.67	75.80	75.19	75.41	75.45	75.74	75.56	75.40	75.58	75.39	75.32	75.30	
18	75.64	75.89	75.22	75.37	75.44	75.71	75.50	75.37	75.59	75.48	75.67	75.44	
19	75.61	76.07	75.26	75.36	75.47	75.63	75.51	75.37	77.65	75.44	75.61	75.31	
20	75.60	76.07	75.38	75.34	75.48	75.66	75.52	75.36	76.60	75.29	75.80	75.43	
21	75.59	76.02	75.57	75.34	75.50	75.60	75.49	75.36	76.13	75.26	75.37	75.41	
22	75.68	76.02	75.48	75.34	75.49	75.64	75.49	75.35	75.58	75.25	75.41	75.40	
23	75.79	75.93	75.60	75.36	75.47	75.70	75.59	75.35	75.77	75.26	75.59	75.40	
24	75.86	75.87	75.67	75.35	75.45	75.63	75.57	75.34	76.10	75.26	75.30	75.39	
25	75.79	75.84	75.54	75.34	75.49	76.14	75.53	75.34	75.53	75.26	75.51	75.39	
26	75.76	75.83	75.46	75.34	75.52	75.82	75.50	75.34	76.67	75.26	76.19	75.40	
27	76.33	75.94	75.56	75.33	75.49	75.70	75.48	75.34	76.26	75.26	76.04	75.36	
28	76.48	75.87	75.79	75.32	75.51	75.63	75.50	75.34	76.29	75.26	75.72	75.35	
29	76.20	75.82	75.60	75.35	75.55	75.62	75.46	75.34	76.38	75.28		75.36	
30	76.12	75.83	75.49	75.36	75.55	75.66	75.47	75.34	76.08	75.26		75.36	
31		76.31		75.39	75.58		75.46		76.08	75.25		75.36	
MEAN	75.77	75.88	75.38	75.37	75.48	75.64	75.55	75.44	76.01	75.41	75.51	75.40	
MAX	76.48	76.31	76.33	75.62	75.58	76.14	75.71	76.05	77.65	76.15	76.19	75.60	77.65
MIN	75.59	75.71	75.19	75.32	75.37	75.45	75.46	75.34	75.33	75.25	75.26	75.29	75.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 78.00 M (MSL), AT 18.00 HOURS, ON OCT 14, 1984
ZERO GAGE AT BOTTOM ELEVATION 73.64 M (MSL), RIVER BED 74.41 M (MSL)
LEFT BANK ELEVATION 95.27 M (MSL)
RIGHT BANK ELEVATION 96.99 M (MSL), DRAINAGE AREA 4047 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.00	37.80	53.10	14.80	6.40	12.80	16.00	8.20	4.90	18.50	4.30	6.40	
2	21.50	30.00	6.40	8.50	6.70	12.00	14.80	9.10	5.80	42.00	5.20	7.60	
3	20.50	25.00	2.80	7.90	6.10	11.60	13.60	9.10	16.00	11.60	3.80	3.80	
4	19.50	21.50	3.00	7.00	6.70	10.40	14.80	8.20	8.80	11.20	3.20	5.80	
5	18.00	20.00	3.40	6.40	7.00	11.60	14.00	20.00	8.80	7.90	15.20	5.80	
6	16.40	19.00	2.40	6.70	7.00	10.00	11.60	8.80	8.20	9.10	6.40	5.20	
7	15.20	18.50	2.20	6.40	12.40	9.10	18.50	6.70	7.60	8.20	6.10	6.10	
8	14.80	22.50	2.20	6.10	9.70	8.50	12.00	6.70	7.90	4.00	10.00	5.80	
9	14.40	24.50	2.20	5.80	10.00	14.80	15.60	6.70	53.80	10.00	8.20	8.50	
10	16.40	20.00	2.40	5.50	12.40	21.00	14.00	6.70	72.00	7.30	6.10	4.60	
11	16.80	29.00	2.20	5.50	12.80	15.60	12.80	7.30	65.00	7.00	6.10	8.80	
12	15.60	26.50	1.80	5.50	11.60	12.80	12.40	7.00	60.10	7.30	8.50	9.10	
13	16.40	24.50	2.20	4.90	10.40	14.00	10.80	36.00	28.00	6.70	8.80	9.40	
14	15.60	26.50	2.00	5.50	9.70	13.20	16.00	10.00	55.20	6.70	8.80	9.40	
15	17.60	22.00	1.80	6.10	10.00	24.50	12.40	20.50	58.00	6.10	19.50	9.40	
16	17.60	22.50	1.80	6.70	9.40	17.60	11.20	7.90	22.50	24.00	10.80	14.00	
17	16.80	23.00	1.80	7.30	8.50	20.00	12.40	7.00	13.20	6.70	4.60	4.00	
18	15.60	27.50	2.40	6.10	8.20	18.50	10.00	6.10	13.60	9.40	16.80	8.20	
19	14.40	37.20	3.20	5.80	9.10	15.20	10.40	6.10	164.00	8.20	14.40	4.30	
20	14.00	37.20	6.40	5.20	9.40	16.40	10.80	5.80	72.00	3.80	23.00	7.90	
21	13.60	34.20	12.80	5.20	10.00	14.00	9.70	5.80	40.80	3.20	6.10	7.30	
22	17.20	34.20	9.40	5.20	9.70	15.60	9.70	5.50	13.20	3.00	7.30	7.00	
23	22.50	29.50	14.00	5.80	9.10	18.00	13.60	5.50	21.50	3.20	13.60	7.00	
24	26.00	26.50	16.80	5.50	8.50	15.20	12.80	5.20	39.00	3.20	4.00	6.70	
25	22.50	25.00	11.60	5.20	9.70	41.40	11.20	5.20	11.20	3.20	10.40	6.70	
26	21.00	24.50	8.80	5.20	10.80	24.00	10.00	5.20	76.90	3.20	44.40	7.00	
27	53.10	30.00	12.40	4.90	9.70	18.00	9.40	5.20	48.60	3.20	35.40	5.80	
28	63.60	26.50	22.50	4.60	10.40	15.20	10.00	5.20	50.40	3.20	19.00	5.50	
29	45.00	24.00	14.00	5.50	12.00	14.80	8.80	5.20	56.60	3.60		5.80	
30	40.20	24.50	9.70	5.80	12.00	16.40	9.10	5.20	37.80	3.20		5.80	
31		51.70		6.70	13.20		8.80		37.80	3.00		5.80	
TOTAL	663.80	845.30	237.70	193.30	298.60	482.20	377.20	257.10	1179.20	250.90	330.00	214.50	5329.80 CMSDAY
MEAN	22.13	27.27	7.92	6.24	9.63	16.07	12.17	8.57	38.04	8.09	11.79	6.92	14.60 CMS
MAX	63.60	51.70	53.10	14.80	13.20	41.40	18.50	36.00	164.00	42.00	44.40	14.00	164.00 CMS
MIN	13.60	18.50	1.80	4.60	6.10	8.50	8.80	5.20	4.90	3.00	3.20	3.80	1.80 CMS
RUNOFF	57.352	73.034	20.537	16.701	25.799	41.662	32.590	22.213	101.883	21.678	28.512	18.533	460.495 MCM

MOMENTARY PEAK 199.00 CMS, AT 78.00 M (MSL), AT 18.00 HOURS, ON OCT 14, 1984
RUNOFF YIELD 3.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 49.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

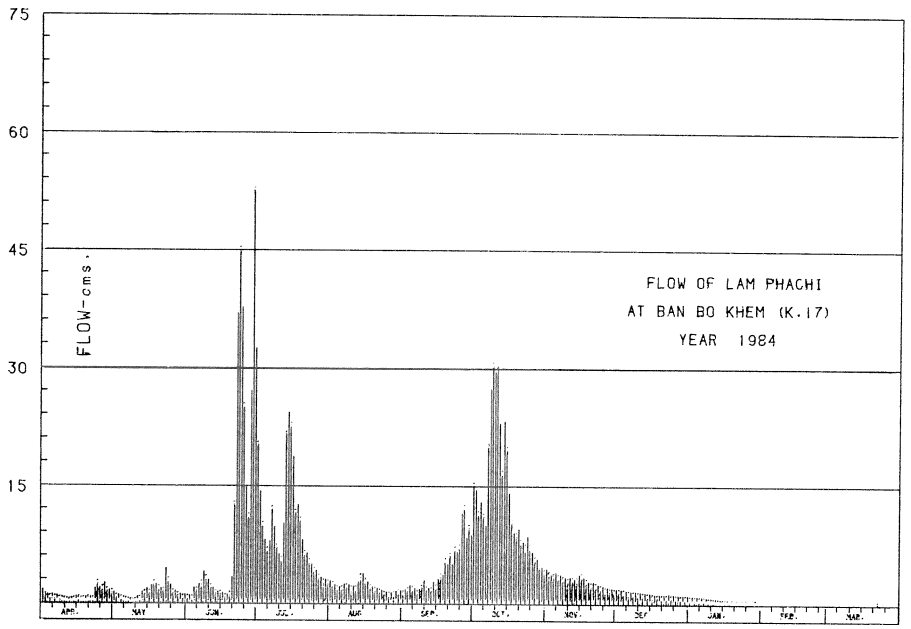
LAM PHACHI AT BAN BO KHEM, RATCHABURI (K.17)

LOCATION	LAT. 13-32-41 N., LONG. 99-21-22 E., ON LEFT BANK OPPOSITE TO THE 'SAI NGAM' FRONTIER POLICE STATION, TAMBON SUAN PHUNG, AMPHOE CHUM BUNG, RATCHABURI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+11.799 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	0.13	0.08	1.41	0.30	0.16	1.15	0.43	0.19	0.07	-0.03	-0.10	
2	0.11	0.10	0.07	1.09	0.29	0.18	1.10	0.40	0.19	0.07	-0.03	-0.12	
3	0.09	0.08	0.07	0.86	0.25	0.21	0.95	0.37	0.18	0.06	-0.03	-0.12	
4	0.08	0.06	0.20	0.71	0.23	0.24	1.02	0.38	0.18	0.06	-0.04	-0.13	
5	0.09	0.04	0.20	0.64	0.22	0.23	0.93	0.39	0.16	0.05	-0.05	-0.13	
6	0.07	0.03	0.25	0.70	0.23	0.20	0.83	0.37	0.16	0.05	-0.05	-0.13	
7	0.07	0.01	0.30	0.99	0.26	0.17	1.40	0.37	0.15	0.05	-0.06	-0.14	
8	0.05	0.00	0.40	0.82	0.26	0.18	1.71	0.35	0.15	0.04	-0.07	-0.14	
9	0.04	0.01	0.36	0.67	0.25	0.25	1.85	0.34	0.15	0.03	-0.07	-0.15	
10	0.03	0.00	0.31	0.58	0.23	0.31	1.80	0.33	0.14	0.03	-0.08	-0.15	
11	0.02	0.04	0.25	0.55	0.23	0.22	1.83	0.34	0.14	0.02	-0.08	-0.05	
12	0.01	0.05	0.20	0.85	0.23	0.20	1.52	0.34	0.13	0.02	-0.08	-0.15	
13	0.02	0.13	0.16	1.47	0.29	0.21	1.23	0.32	0.13	0.01	-0.08	-0.16	
14	0.03	0.16	0.14	1.58	0.38	0.29	1.53	0.34	0.12	0.00	-0.09	-0.17	
15	0.05	0.19	0.15	1.52	0.38	0.25	1.38	0.37	0.12	0.00	-0.09	-0.17	
16	0.06	0.16	0.12	1.32	0.33	0.32	1.08	0.38	0.11	0.00	-0.10	-0.17	
17	0.03	0.23	0.10	0.96	0.29	0.38	0.88	0.34	0.10	-0.01	-0.10	-0.17	
18	0.04	0.30	0.09	1.00	0.25	0.37	0.77	0.32	0.10	-0.01	-0.10	-0.18	
19	0.03	0.25	0.14	0.90	0.22	0.54	0.77	0.29	0.10	-0.01	-0.10	-0.18	
20	0.06	0.23	0.34	0.71	0.21	0.48	0.80	0.28	0.10	-0.02	-0.10	-0.18	
21	0.04	0.19	1.02	0.61	0.20	0.59	0.71	0.29	0.10	-0.02	-0.09	-0.18	
22	0.04	0.19	2.09	0.59	0.19	0.48	0.69	0.27	0.10	-0.02	-0.10	-0.01	
23	0.19	0.43	2.40	0.53	0.17	0.65	0.67	0.25	0.11	-0.02	-0.11	-0.08	
24	0.30	0.33	2.12	0.48	0.15	0.60	0.74	0.24	0.10	-0.02	-0.05	-0.09	
25	0.20	0.24	1.63	0.44	0.14	0.67	0.67	0.23	0.10	-0.02	-0.08	-0.04	
26	0.23	0.17	1.13	0.41	0.14	0.93	0.60	0.21	0.09	-0.03	-0.10	-0.03	
27	0.27	0.15	0.93	0.37	0.13	1.00	0.55	0.21	0.09	-0.03	-0.10	-0.06	
28	0.20	0.13	1.70	0.34	0.14	0.73	0.53	0.20	0.08	-0.01	-0.09	-0.10	
29	0.16	0.10	2.66	0.32	0.15	0.84	0.48	0.20	0.08	-0.02		-0.11	
30	0.17	0.09	1.92	0.32	0.17	0.75	0.45	0.19	0.08	-0.02		-0.13	
31		0.09		0.31	0.16		0.42		0.08	-0.02		-0.01	
MEAN	0.10	0.14	0.72	0.78	0.23	0.42	1.00	0.31	0.12	0.01	-0.08	-0.12	
MAX	0.30	0.43	2.66	1.58	0.38	1.00	1.85	0.43	0.19	0.07	-0.03	-0.01	2.66
MIN	0.01	0.01	0.07	0.31	0.13	0.16	0.42	0.19	0.08	-0.03	-0.11	-0.18	-0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.85 M (A.D), AT 9.00 HOURS, ON JUN 29, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D). RIVER BED -0.42 M (A.D)
LEFT BANK ELEVATION 11.69 M (A.D)
RIGHT BANK ELEVATION 7.22 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.76	1.44	1.08	20.62	2.90	1.68	15.45	4.46	1.92	1.02	0.48	0.20	
2	1.28	1.20	1.02	14.31	2.81	1.84	14.50	4.10	1.92	1.02	0.48	0.16	
3	1.14	1.08	1.02	10.40	2.45	2.09	11.80	3.74	1.84	0.96	0.48	0.16	
4	1.08	0.96	2.00	8.15	2.27	2.36	12.98	3.86	1.84	0.96	0.44	0.14	
5	1.14	0.84	2.00	7.16	2.18	2.27	11.48	3.98	1.68	0.90	0.40	0.14	
6	1.02	0.78	2.45	8.00	2.27	2.00	9.95	3.74	1.68	0.90	0.40	0.14	
7	1.02	0.66	2.90	12.44	2.54	1.76	20.40	3.74	1.60	0.90	0.36	0.12	
8	0.90	0.60	4.10	9.80	2.54	1.84	27.34	3.50	1.60	0.84	0.32	0.12	
9	0.84	0.56	3.62	7.58	2.45	2.45	30.75	3.38	1.60	0.78	0.32	0.10	
10	0.78	0.60	3.02	6.34	2.27	3.02	29.50	3.26	1.52	0.78	0.28	0.10	
11	0.72	0.84	2.45	5.95	2.27	2.18	30.25	3.38	1.52	0.72	0.28	0.40	
12	0.66	0.90	2.00	10.25	2.27	2.00	23.04	3.38	1.44	0.72	0.28	0.10	
13	0.72	1.44	1.68	21.94	2.81	2.09	16.97	3.14	1.44	0.66	0.28	0.08	
14	0.78	1.68	1.52	24.36	3.86	2.81	23.26	3.38	1.36	0.60	0.24	0.06	
15	0.90	1.92	1.60	23.04	3.86	2.45	19.98	3.74	1.36	0.60	0.24	0.06	
16	0.96	1.68	1.36	18.72	3.26	3.14	14.12	3.86	1.28	0.60	0.20	0.06	
17	0.78	2.27	1.20	11.96	2.81	3.86	10.70	3.38	1.20	0.56	0.20	0.06	
18	0.84	2.90	1.14	12.60	2.45	3.74	9.05	3.14	1.20	0.56	0.20	0.04	
19	0.78	2.45	1.52	11.00	2.18	5.82	9.05	2.81	1.20	0.56	0.20	0.04	
20	0.96	2.27	3.38	8.15	2.09	5.06	9.50	2.72	1.20	0.52	0.20	0.04	
21	0.84	1.92	12.98	6.74	2.00	6.47	8.15	2.81	1.20	0.52	0.24	0.04	
22	0.84	1.92	36.94	6.47	1.92	5.06	7.86	2.63	1.20	0.52	0.20	0.56	
23	1.92	4.46	45.40	5.69	1.76	7.30	7.58	2.45	1.28	0.52	0.18	0.28	
24	2.90	3.26	37.74	5.06	1.60	6.60	8.60	2.36	1.20	0.52	0.40	0.24	
25	2.00	2.36	25.49	4.58	1.52	7.58	7.58	2.27	1.20	0.52	0.28	0.44	
26	2.27	1.76	15.07	4.22	1.52	11.48	6.60	2.09	1.14	0.48	0.20	0.48	
27	2.63	1.60	11.48	3.74	1.44	12.60	5.95	2.09	1.14	0.48	0.20	0.36	
28	2.00	1.44	27.10	3.38	1.52	8.45	5.69	2.00	1.08	0.56	0.24	0.20	
29	1.68	1.20	52.94	3.14	1.60	10.10	5.06	2.00	1.08	0.52		0.18	
30	1.76	1.14	32.52	3.14	1.76	8.75	4.70	1.92	1.08	0.52		0.14	
31		1.14		3.02	1.68		4.34		1.08	0.52		0.56	
TOTAL	37.90	49.27	338.72	301.95	70.86	138.85	422.18	93.31	43.08	20.84	8.22	5.80	1530.98 CMSDAY
MEAN	1.26	1.59	11.29	9.74	2.29	4.63	13.62	3.11	1.39	0.67	0.29	0.19	4.19 CMS
MAX	2.90	4.46	52.94	24.36	3.86	12.60	30.75	4.46	1.92	1.02	0.48	0.56	52.94 CMS
MIN	0.66	0.56	1.02	3.02	1.44	1.68	4.34	1.92	1.08	0.48	0.18	0.04	0.04 CMS
RUNOFF	3.275	4.257	29.265	26.088	6.122	11.997	36.476	8.062	3.722	1.801	0.710	0.501	132.277 MCM

MOMENTARY PEAK 58.50 CMS, AT 2.85 M (A.D), AT 9.00 HOURS, ON JUN 29, 1984

RUNOFF YIELD 3.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 43.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

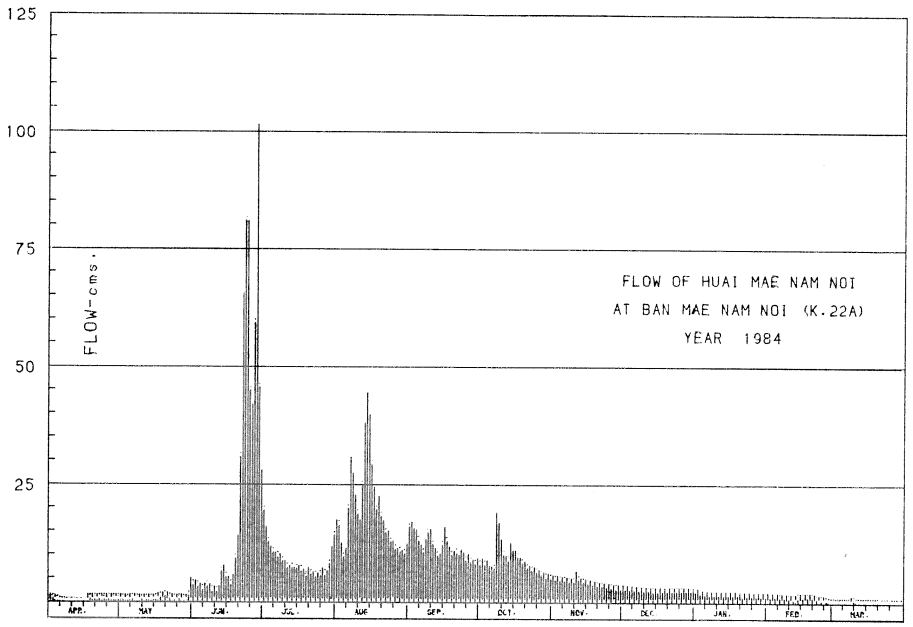
HUAI MAE NAM NOI AT BAN MAE NAM NOI, KANCHANABURI (K.22A)

LOCATION	LAT. 14-26-44 N., LONG. 98-48-08 E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM K.22 STATION, TAMBON THA THUNG NA, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	321 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+66.70 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+76.874 M. (M.S.L.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	67.27	67.27	67.52	68.49	68.37	68.33	67.87	67.62	67.45	67.39	67.31	67.22	
2	67.26	67.26	67.52	68.30	68.36	68.35	67.92	67.61	67.44	67.38	67.30	67.22	
3	67.25	67.26	67.49	68.18	68.13	68.34	67.87	67.61	67.44	67.36	67.30	67.22	
4	67.24	67.26	67.46	68.09	68.00	68.27	67.88	67.60	67.43	67.35	67.30	67.22	
5	67.22	67.27	67.44	68.07	68.07	68.20	67.84	67.59	67.43	67.34	67.30	67.22	
6	67.21	67.27	67.46	68.01	68.51	68.11	67.77	67.59	67.42	67.34	67.29	67.22	
7	67.21	67.27	67.50	68.02	68.92	68.06	67.80	67.58	67.42	67.33	67.29	67.22	
8	67.20	67.26	67.45	67.99	68.82	68.17	68.44	67.57	67.41	67.33	67.29	67.22	
9	67.20	67.26	67.41	67.93	68.60	68.28	68.38	67.56	67.41	67.33	67.29	67.25	
10	67.20	67.26	67.41	67.87	68.46	68.28	68.17	67.57	67.41	67.33	67.28	67.25	
11	67.20	67.26	67.40	67.82	68.37	68.15	68.03	67.69	67.41	67.33	67.28	67.22	
12	67.19	67.26	67.42	67.78	68.72	68.07	67.96	67.60	67.41	67.33	67.28	67.22	
13	67.19	67.26	67.74	67.82	69.17	68.02	67.95	67.57	67.40	67.33	67.28	67.22	
14	67.19	67.26	67.78	67.75	69.41	67.99	68.13	67.56	67.40	67.33	67.30	67.22	
15	67.19	67.26	67.65	67.80	69.23	68.15	68.09	67.55	67.40	67.33	67.30	67.22	
16	67.19	67.27	67.58	67.78	68.89	68.30	68.04	67.54	67.40	67.33	67.30	67.22	
17	67.27	67.29	67.52	67.78	68.67	68.19	68.00	67.53	67.40	67.33	67.30	67.22	
18	67.27	67.30	67.62	67.72	68.50	68.09	67.93	67.52	67.40	67.33	67.30	67.22	
19	67.27	67.30	67.98	67.67	68.59	68.03	67.90	67.51	67.40	67.33	67.30	67.22	
20	67.27	67.32	68.21	67.75	68.44	68.03	67.86	67.50	67.40	67.32	67.30	67.22	
21	67.26	67.30	68.95	67.71	68.36	68.06	67.81	67.49	67.40	67.32	67.29	67.21	
22	67.27	67.28	69.99	67.67	68.28	67.97	67.78	67.49	67.40	67.32	67.27	67.21	
23	67.27	67.27	70.42	67.68	68.26	68.09	67.77	67.48	67.40	67.32	67.26	67.21	
24	67.27	67.26	70.40	67.65	68.18	68.01	67.76	67.48	67.40	67.32	67.26	67.21	
25	67.27	67.26	69.42	67.69	68.15	67.95	67.74	67.47	67.40	67.32	67.26	67.21	
26	67.27	67.27	69.30	67.74	68.11	67.99	67.71	67.46	67.40	67.31	67.25	67.21	
27	67.27	67.27	69.84	67.71	68.07	67.92	67.69	67.45	67.40	67.31	67.23	67.21	
28	67.27	67.26	70.92	67.69	68.08	67.89	67.67	67.45	67.40	67.31	67.22	67.21	
29	67.27	67.26	69.44	67.88	68.04	67.88	67.65	67.45	67.40	67.31		67.21	
30	67.27	67.33	68.81	68.09	68.05	67.92	67.65	67.45	67.40	67.31		67.21	
31		67.56		68.25	68.12		67.63		67.39	67.31		67.21	
MEAN	67.24	67.28	68.30	67.88	68.45	68.10	67.89	67.54	67.41	67.33	67.28	67.22	
MAX	67.27	67.56	70.92	68.49	69.41	68.35	68.44	67.69	67.45	67.39	67.31	67.25	70.92
MIN	67.19	67.26	67.40	67.65	68.00	67.88	67.63	67.45	67.39	67.31	67.22	67.21	67.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 72.02 M (MSL), AT 21.00 HOURS, ON JUN 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 66.70 M (MSL), RIVER BED 66.57 M (MSL)
LEFT BANK ELEVATION 74.11 M (MSL)
RIGHT BANK ELEVATION 72.50 M (MSL), DRAINAGE AREA 321 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.64	1.64	4.64	20.27	17.54	16.66	8.84	5.84	3.80	3.08	2.12	1.04	
2	1.52	1.52	4.64	16.00	17.32	17.10	9.44	5.72	3.68	2.96	2.00	1.04	
3	1.40	1.52	4.28	13.60	12.60	16.88	8.84	5.72	3.68	2.72	2.00	1.04	
4	1.28	1.52	3.92	11.84	10.40	15.40	8.96	5.60	3.56	2.60	2.00	1.04	
5	1.04	1.64	3.68	11.52	11.52	14.00	8.48	5.48	3.56	2.48	2.00	1.04	
6	0.92	1.64	3.92	10.56	20.73	12.20	7.64	5.48	3.44	2.48	1.88	1.04	
7	0.92	1.64	4.40	10.72	30.84	11.36	8.00	5.36	3.44	2.36	1.88	1.04	
8	0.80	1.52	3.80	10.28	28.22	13.40	19.12	5.24	3.32	2.36	1.88	1.04	
9	0.80	1.52	3.32	9.56	22.80	15.60	17.76	5.12	3.32	2.36	1.68	1.40	
10	0.80	1.52	3.32	8.84	19.58	15.60	13.40	5.24	3.32	2.36	1.76	1.40	
11	0.80	1.52	3.20	8.24	17.54	13.00	10.88	6.68	3.32	2.36	1.76	1.04	
12	0.72	1.52	3.44	7.76	25.70	11.52	9.92	5.60	3.32	2.36	1.76	1.04	
13	0.72	1.52	7.28	8.24	38.10	10.72	9.80	5.24	3.20	2.36	1.76	1.04	
14	0.72	1.52	7.76	7.40	45.32	10.28	12.60	5.12	3.20	2.36	2.00	1.04	
15	0.72	1.52	6.20	8.00	39.90	13.00	11.84	5.00	3.20	2.36	2.00	1.04	
16	0.72	1.64	5.36	7.76	30.04	16.00	11.04	4.88	3.20	2.36	2.00	1.04	
17	1.64	1.88	4.64	7.76	24.48	13.80	10.40	4.76	3.20	2.36	2.00	1.04	
18	1.64	2.00	5.84	7.04	20.50	11.84	9.56	4.64	3.20	2.36	2.00	1.04	
19	1.64	2.00	10.16	6.44	22.57	10.88	9.20	4.52	3.20	2.36	2.00	1.04	
20	1.64	2.24	14.20	7.40	19.12	10.88	8.72	4.40	3.20	2.24	2.00	1.04	
21	1.52	2.00	31.65	6.92	17.32	11.36	8.12	4.28	3.20	2.24	1.88	0.92	
22	1.64	1.76	65.63	6.44	15.60	10.04	7.76	4.28	3.20	2.24	1.64	0.92	
23	1.64	1.64	81.78	6.56	15.20	11.84	7.64	4.16	3.20	2.24	1.52	0.92	
24	1.64	1.52	81.00	6.20	13.60	10.56	7.52	4.16	3.20	2.24	1.52	0.92	
25	1.64	1.52	45.64	6.68	13.00	9.80	7.28	4.04	3.20	2.24	1.52	0.92	
26	1.64	1.64	42.00	7.28	12.20	10.28	6.92	3.92	3.20	2.12	1.40	0.92	
27	1.64	1.64	60.08	6.92	11.52	9.44	6.68	3.80	3.20	2.12	1.16	0.92	
28	1.64	1.52	101.52	6.68	11.68	9.08	6.44	3.80	3.20	2.12	1.04	0.92	
29	1.64	1.52	46.28	8.96	11.04	8.96	6.20	3.80	3.20	2.12		0.92	
30	1.64	2.36	27.96	11.84	11.20	9.44	6.20	3.80	3.20	2.12		0.92	
31		5.12		15.00	12.40		5.96		3.08	2.12		0.92	
TOTAL	38.36	55.28	691.54	288.71	619.58	370.92	291.16	145.68	102.44	73.16	50.36	31.64	2758.83 CMSDAY
MEAN	1.28	1.78	23.05	9.31	19.99	12.36	9.39	4.86	3.30	2.36	1.80	1.02	7.56 CMS
MAX	1.64	5.12	101.52	20.27	45.32	17.10	19.12	6.68	3.80	3.08	2.12	1.40	101.52 CMS
MIN	0.72	1.52	3.20	6.20	10.40	8.96	5.96	3.80	3.08	2.12	1.04	0.92	0.72 CMS
RUNOFF	3.314	4.776	59.749	24.945	53.532	32.047	25.156	12.587	8.851	6.321	4.351	2.734	238.363 MCM

MOMENTARY PEAK 147.43 CMS, AT 72.02 M (MSL), AT 21.00 HOURS, ON JUN 23, 1984

RUNOFF YIELD 23.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 459.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

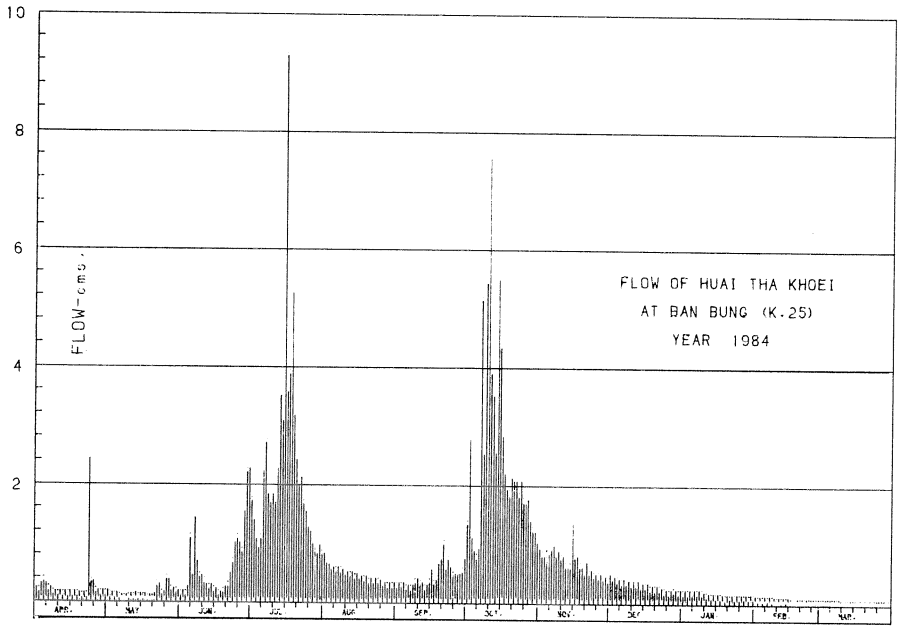
HUAI THA KHAEI AT BAN BUNG, RATCHABURI (K.25)

LOCATION	LAT. 13-25-42 N., LONG. 99-24-25 E., ON LEFT BANK AT BAN BUNG, TAMBON SUAN PHUNG, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	508 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.00 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 - 1970, 1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 141 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.31	1.30	1.30	1.66	1.46	1.34	1.58	1.48	1.38	1.31	1.27	1.25	
2	1.31	1.29	1.30	1.58	1.44	1.34	1.86	1.47	1.38	1.31	1.27	1.25	
3	1.33	1.28	1.30	1.53	1.42	1.34	1.53	1.45	1.37	1.31	1.27	1.25	
4	1.36	1.28	1.32	1.48	1.42	1.34	1.47	1.45	1.37	1.31	1.27	1.25	
5	1.33	1.28	1.53	1.53	1.41	1.33	1.46	1.46	1.36	1.31	1.27	1.25	
6	1.32	1.27	1.37	1.75	1.41	1.33	1.48	1.49	1.36	1.31	1.27	1.25	
7	1.31	1.26	1.60	1.86	1.41	1.33	2.30	1.49	1.36	1.31	1.27	1.25	
8	1.30	1.26	1.43	1.67	1.41	1.33	1.81	1.47	1.36	1.31	1.27	1.25	
9	1.29	1.26	1.38	1.66	1.40	1.36	2.35	1.47	1.35	1.31	1.26	1.25	
10	1.29	1.27	1.37	1.67	1.40	1.36	2.66	1.46	1.35	1.30	1.26	1.24	
11	1.29	1.27	1.36	1.65	1.39	1.35	2.08	1.45	1.35	1.30	1.26	1.24	
12	1.29	1.27	1.33	1.76	1.39	1.34	2.00	1.43	1.35	1.29	1.26	1.24	
13	1.29	1.28	1.33	2.01	1.39	1.33	1.83	1.41	1.35	1.29	1.26	1.24	
14	1.29	1.27	1.33	1.92	1.38	1.33	2.35	1.43	1.34	1.29	1.26	1.24	
15	1.29	1.27	1.32	2.90	1.38	1.36	2.16	1.57	1.34	1.29	1.26	1.24	
16	1.29	1.27	1.31	2.01	1.38	1.40	1.87	1.46	1.34	1.29	1.25	1.24	
17	1.29	1.27	1.30	2.08	1.37	1.35	1.76	1.45	1.34	1.29	1.25	1.24	
18	1.29	1.26	1.29	2.31	1.37	1.35	1.69	1.43	1.33	1.28	1.25	1.24	
19	1.28	1.26	1.31	1.95	1.37	1.44	1.69	1.41	1.33	1.28	1.25	1.24	
20	1.28	1.26	1.32	1.79	1.36	1.44	1.73	1.41	1.33	1.28	1.25	1.24	
21	1.28	1.27	1.34	1.72	1.36	1.51	1.74	1.43	1.33	1.28	1.25	1.24	
22	1.28	1.34	1.38	1.73	1.36	1.40	1.72	1.40	1.33	1.28	1.25	1.24	
23	1.79	1.33	1.44	1.65	1.36	1.45	1.68	1.40	1.32	1.28	1.25	1.24	
24	1.35	1.30	1.50	1.61	1.36	1.41	1.72	1.39	1.32	1.28	1.25	1.24	
25	1.34	1.29	1.53	1.57	1.35	1.39	1.66	1.38	1.31	1.28	1.25	1.24	
26	1.31	1.37	1.50	1.54	1.35	1.38	1.64	1.39	1.31	1.28	1.25	1.24	
27	1.30	1.35	1.48	1.51	1.34	1.40	1.67	1.38	1.31	1.28	1.25	1.24	
28	1.30	1.32	1.61	1.48	1.34	1.38	1.58	1.38	1.32	1.28	1.25	1.24	
29	1.30	1.31	1.76	1.48	1.34	1.41	1.56	1.37	1.31	1.28		1.24	
30	1.30	1.31	1.76	1.49	1.34	1.44	1.54	1.37	1.31	1.28		1.24	
31		1.30		1.47	1.34		1.52		1.31	1.28		1.24	
MEAN	1.32	1.29	1.41	1.74	1.38	1.38	1.80	1.43	1.34	1.29	1.26	1.24	
MAX	1.79	1.37	1.76	2.90	1.46	1.51	2.66	1.57	1.38	1.31	1.27	1.25	2.90
MIN	1.28	1.26	1.29	1.47	1.34	1.33	1.46	1.37	1.31	1.28	1.25	1.24	1.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.36 M (A.D), AT 15.00 HOURS, ON JUL 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.16 M (A.D)
LEFT BANK ELEVATION 7.44 M (A.D)
RIGHT BANK ELEVATION 7.49 M (A.D), DRAINAGE AREA 508 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.20	0.20	1.79	0.84	0.35	1.40	0.93	0.50	0.24	0.14	0.10	
2	0.24	0.18	0.20	1.40	0.75	0.35	2.78	0.89	0.50	0.24	0.14	0.10	
3	0.31	0.16	0.20	1.16	0.66	0.35	1.16	0.80	0.46	0.24	0.14	0.10	
4	0.42	0.16	0.27	0.93	0.66	0.35	0.89	0.80	0.46	0.24	0.14	0.10	
5	0.31	0.16	1.16	1.16	0.61	0.31	0.84	0.84	0.42	0.24	0.14	0.10	
6	0.27	0.14	0.46	2.23	0.61	0.31	0.93	0.98	0.42	0.24	0.14	0.10	
7	0.24	0.12	1.50	2.78	0.61	0.31	5.20	0.98	0.42	0.24	0.14	0.10	
8	0.20	0.12	0.70	1.84	0.61	0.31	2.53	0.89	0.42	0.24	0.14	0.10	
9	0.18	0.12	0.50	1.79	0.57	0.42	5.50	0.89	0.39	0.24	0.12	0.10	
10	0.18	0.14	0.46	1.84	0.57	0.42	7.56	0.84	0.39	0.20	0.12	0.08	
11	0.18	0.14	0.42	1.74	0.53	0.39	3.96	0.80	0.39	0.20	0.12	0.08	
12	0.18	0.14	0.31	2.28	0.53	0.35	3.52	0.70	0.39	0.18	0.12	0.08	
13	0.18	0.16	0.31	3.58	0.53	0.31	2.63	0.61	0.39	0.18	0.12	0.08	
14	0.18	0.14	0.31	3.09	0.50	0.31	5.50	0.70	0.35	0.18	0.12	0.08	
15	0.18	0.14	0.27	9.34	0.50	0.42	4.41	1.36	0.35	0.18	0.12	0.08	
16	0.18	0.14	0.24	3.58	0.50	0.57	2.83	0.84	0.35	0.18	0.10	0.08	
17	0.18	0.14	0.20	3.96	0.46	0.39	2.28	0.80	0.35	0.18	0.10	0.08	
18	0.18	0.12	0.18	5.26	0.46	0.39	1.93	0.70	0.31	0.16	0.10	0.08	
19	0.16	0.12	0.24	3.25	0.46	0.75	1.93	0.61	0.31	0.16	0.10	0.08	
20	0.16	0.12	0.27	2.43	0.42	0.75	2.13	0.61	0.31	0.16	0.10	0.08	
21	0.16	0.14	0.35	2.08	0.42	1.07	2.18	0.70	0.31	0.16	0.10	0.08	
22	0.16	0.35	0.50	2.13	0.42	0.57	2.08	0.57	0.31	0.16	0.10	0.08	
23	2.43	0.31	0.75	1.74	0.42	0.80	1.88	0.57	0.27	0.16	0.10	0.08	
24	0.39	0.20	1.02	1.55	0.42	0.61	2.08	0.53	0.27	0.16	0.10	0.08	
25	0.35	0.18	1.16	1.36	0.39	0.53	1.79	0.50	0.24	0.16	0.10	0.08	
26	0.24	0.46	1.02	1.21	0.39	0.50	1.69	0.53	0.24	0.16	0.10	0.08	
27	0.20	0.39	0.93	1.07	0.35	0.57	1.84	0.50	0.24	0.16	0.10	0.08	
28	0.20	0.27	1.55	0.93	0.35	0.50	1.40	0.50	0.27	0.16	0.10	0.08	
29	0.20	0.24	2.28	0.93	0.35	0.61	1.31	0.46	0.24	0.16		0.08	
30	0.20	0.24	2.28	0.98	0.35	0.75	1.21	0.46	0.24	0.16		0.08	
31		0.20		0.89	0.35		1.12		0.24	0.16		0.08	
TOTAL	8.88	5.84	20.24	70.30	15.59	14.62	78.49	21.89	10.75	5.88	3.26	2.66	258.40 CMSDAY
MEAN	0.30	0.19	0.67	2.27	0.50	0.49	2.53	0.73	0.35	0.19	0.12	0.09	0.71 CMS
MAX	2.43	0.46	2.28	9.34	0.84	1.07	7.56	1.36	0.50	0.24	0.14	0.10	9.34 CMS
MIN	0.16	0.12	0.18	0.89	0.35	0.31	0.84	0.46	0.24	0.16	0.10	0.08	0.08 CMS
RUNOFF	0.767	0.505	1.749	6.074	1.347	1.263	6.782	1.891	0.929	0.508	0.282	0.230	22.326 MCM

MOMENTARY PEAK 12.96 CMS, AT 3.36 M (A.D), AT 15.00 HOURS, ON JUL 15, 1984

RUNOFF YIELD 1.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

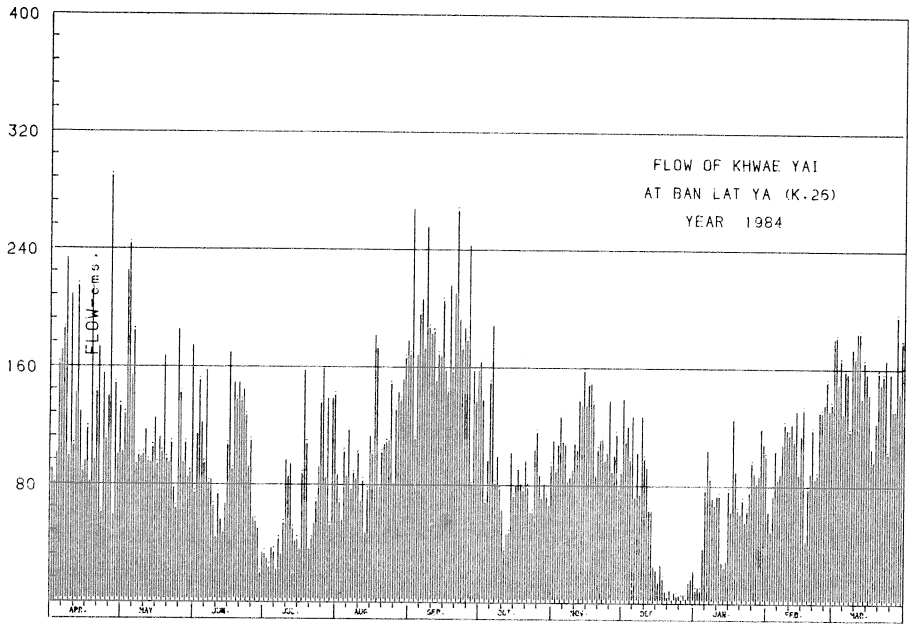
KHWAE YAI RIVER AT BAN LAT YA, KANCHANABURI (K.26)

LOCATION	LAT. 14-05-36 N., LONG. 99-25-08 E., ON LEFT BANK ABOUT 400 METERS DOWNSTREAM FROM WAT LAT YA, AT BAN LAT YA, TAMBON LAT YA, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	14,479 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+13.922 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	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 11 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.57	1.70	1.40	0.85	1.53	2.34	2.30	1.79	2.07	0.37	1.22	2.42	
2	1.50	1.99	1.83	0.74	1.32	3.08	2.06	1.58	1.80	0.36	1.08	2.44	
3	1.69	2.77	2.19	0.69	1.14	1.82	1.32	1.76	1.89	0.37	1.36	2.16	
4	2.28	2.92	1.91	0.86	1.73	2.32	1.64	1.98	1.67	0.87	1.74	2.31	
5	2.34	2.20	1.64	0.87	1.52	2.57	2.18	1.78	1.96	1.43	1.50	1.98	
6	2.48	2.47	2.23	0.60	1.88	2.63	2.49	1.79	1.37	1.72	1.57	2.25	
7	2.83	1.61	1.49	1.00	1.41	2.37	1.49	1.48	1.70	1.53	1.77	2.22	
8	1.69	1.70	1.49	0.79	1.56	2.99	1.67	1.54	1.40	1.34	1.93	1.88	
9	2.65	1.66	1.29	1.14	1.50	2.49	1.44	1.57	1.96	1.31	1.87	2.36	
10	1.77	1.71	0.98	1.64	1.71	2.44	1.23	1.80	1.68	1.36	1.86	2.32	
11	2.10	1.86	1.39	1.54	1.30	2.47	0.88	1.72	1.59	1.39	1.91	2.45	
12	2.71	1.65	1.14	1.61	1.51	2.17	1.02	2.08	1.26	0.71	1.81	2.47	
13	1.98	1.62	1.06	1.09	1.03	2.34	1.06	2.03	1.23	0.69	2.00	2.08	
14	1.58	1.76	1.28	0.94	1.43	2.31	1.70	2.25	0.71	0.73	1.56	2.30	
15	1.63	1.94	1.78	1.00	1.82	2.64	1.38	2.03	0.61	1.43	1.83	2.22	
16	1.89	1.63	2.33	0.85	1.71	2.23	1.44	2.17	0.49	1.22	2.03	2.12	
17	1.47	1.81	1.59	1.56	2.43	2.13	1.60	2.16	0.68	1.96	0.96	1.74	
18	2.69	1.72	2.16	2.23	2.37	2.70	1.46	2.06	0.54	1.56	1.45	1.66	
19	1.64	2.31	2.08	1.79	1.43	2.24	1.43	1.53	0.26	1.26	1.55	1.92	
20	2.12	1.67	2.16	0.85	1.72	2.66	1.64	1.75	0.23	1.20	1.89	2.24	
21	2.36	1.62	2.07	1.00	1.76	3.09	1.46	1.80	0.29	1.35	1.51	2.16	
22	1.23	1.79	2.12	1.11	1.80	2.52	1.21	1.83	0.17	1.13	1.56	2.22	
23	2.21	1.42	1.98	1.33	1.79	2.37	1.24	1.64	0.24	1.26	1.99	2.30	
24	1.82	1.27	1.59	1.59	2.17	2.47	1.72	1.73	0.25	1.39	2.01	1.72	
25	2.08	2.46	1.81	2.06	1.46	2.42	1.87	2.06	0.16	1.65	2.04	2.22	
26	3.25	2.12	1.16	2.24	2.02	2.90	1.53	1.58	0.19	1.55	2.19	2.02	
27	1.18	1.62	1.16	1.53	2.11	1.47	1.36	1.68	0.19	1.50	2.00	2.00	
28	2.17	1.79	1.06	2.07	2.08	2.23	1.46	1.86	0.22	1.53	2.06	2.56	
29	1.68	1.51	0.60	1.12	2.18	2.07	1.37	1.42	0.44	1.30		2.11	
30	2.04	1.57	0.81	2.07	2.32	2.23	1.27	1.58	0.54	1.77		2.41	
31		2.37		2.11	2.40		1.63		0.60	1.70		2.41	
MEAN	2.02	1.88	1.59	1.32	1.75	2.42	1.53	1.80	0.92	1.28	1.72	2.18	
MAX	3.25	2.92	2.33	2.24	2.43	3.09	2.49	2.25	2.07	1.96	2.19	2.56	3.25
MIN	1.18	1.27	0.60	0.60	1.03	1.47	0.88	1.42	0.16	0.36	0.96	1.66	0.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.80 M (A.D), AT 6.00 HOURS, ON APR 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.90 M (A.D)
LEFT BANK ELEVATION 13.92 M (A.D)
RIGHT BANK ELEVATION 5.67 M (A.D), DRAINAGE AREA 14479 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	90.3	102.0	76.2	36.0	86.7	170.8	166.0	110.1	138.7	11.1	62.2	180.4	
2	84.0	130.0	114.0	29.4	70.0	267.6	137.6	91.2	111.0	10.8	51.2	182.8	
3	101.1	225.2	152.8	26.5	55.9	113.0	70.0	107.4	120.0	11.1	73.1	149.2	
4	163.6	245.7	122.0	36.6	104.7	168.4	96.6	129.0	99.3	37.2	105.6	167.2	
5	170.8	154.0	96.6	37.2	85.8	198.4	151.6	109.2	127.0	78.5	84.0	129.0	
6	187.6	186.4	157.6	22.0	119.0	206.1	188.8	110.1	73.9	103.8	90.3	160.0	
7	233.4	93.9	83.2	45.0	77.0	174.4	83.2	82.4	102.0	86.7	108.3	156.4	
8	101.1	102.0	83.2	32.4	89.4	255.3	99.3	87.6	76.2	71.5	124.0	119.0	
9	208.8	98.4	67.6	55.9	84.0	188.8	79.3	90.3	127.0	69.2	118.0	173.2	
10	108.3	102.9	43.8	96.6	102.9	182.8	62.9	111.0	100.2	73.1	117.0	168.4	
11	142.0	117.0	75.4	87.6	68.4	186.4	37.8	103.8	92.1	75.4	122.0	184.0	
12	217.0	97.5	55.9	93.9	84.9	150.4	46.6	139.8	65.3	27.6	112.0	186.4	
13	129.0	94.8	49.7	52.0	47.3	170.8	49.7	134.3	62.9	26.5	131.0	139.8	
14	91.2	107.4	66.8	41.4	78.5	167.2	102.0	160.0	27.6	28.8	89.4	166.0	
15	95.7	125.0	109.2	45.0	113.0	207.5	74.6	134.3	22.5	78.5	114.0	156.4	
16	120.0	95.7	169.6	36.0	102.9	157.6	79.3	150.4	16.5	62.2	134.3	144.4	
17	81.7	112.0	92.1	89.4	181.6	145.6	93.0	149.2	26.0	127.0	42.6	105.6	
18	214.3	103.8	149.2	157.6	174.4	215.7	80.9	137.6	19.0	89.4	80.1	98.4	
19	96.6	167.2	139.8	110.1	78.5	158.8	78.5	86.7	7.8	65.3	88.5	123.0	
20	144.4	99.3	149.2	36.0	103.8	210.2	96.6	106.5	6.9	60.6	120.0	158.8	
21	173.2	94.8	138.7	45.0	107.4	269.0	80.9	111.0	8.7	72.3	84.9	149.2	
22	62.9	110.1	144.4	53.6	111.0	192.4	61.4	114.0	5.4	55.1	89.4	156.4	
23	155.2	77.8	129.0	70.7	110.1	174.4	63.7	96.6	7.2	65.3	130.0	166.0	
24	113.0	66.1	92.1	92.1	150.4	186.4	103.8	104.7	7.5	75.4	132.1	103.8	
25	139.8	185.2	112.0	137.6	80.9	180.4	118.0	137.6	5.2	97.5	135.4	156.4	
26	291.5	144.4	57.5	158.8	133.2	243.0	86.7	91.2	5.8	88.5	152.8	133.2	
27	59.0	94.8	57.5	86.7	143.2	81.7	73.1	100.2	5.8	84.0	131.0	131.0	
28	150.4	110.1	49.7	138.7	139.8	157.6	80.9	117.0	6.6	86.7	137.6	197.2	
29	100.2	84.9	22.0	54.4	151.6	138.7	73.9	77.8	14.0	121.0		143.2	
30	135.4	90.3	33.6	138.7	168.4	157.6	66.1	91.2	19.0	108.3		179.2	
31		174.4		143.2	178.0		95.7		22.0	102.0		179.2	
TOTAL	4161.5	3793.1	2890.4	2286.1	3382.7	5477.0	2778.5	3372.2	1529.1	2150.4	2960.8	4743.2	39525.0 CMSDAY
MEAN	138.7	122.4	96.3	73.7	109.1	182.6	89.6	112.4	49.3	69.4	105.7	153.0	108.3 CMS
MAX	291.5	245.7	169.6	158.8	181.6	269.0	188.8	160.0	138.7	127.0	152.8	197.2	291.5 CMS
MIN	59.0	66.1	22.0	22.0	47.3	81.7	37.8	77.8	5.2	10.8	42.6	98.4	5.2 CMS
RUNOFF	359.55	327.72	249.73	197.52	292.27	473.21	240.06	291.36	132.11	185.79	255.81	409.81	3414.96 MCM

MOMENTARY PEAK 378.00 CMS, AT 3.80 M (A.D), AT 6.00 HOURS, ON APR 9, 1984

RUNOFF YIELD 7.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

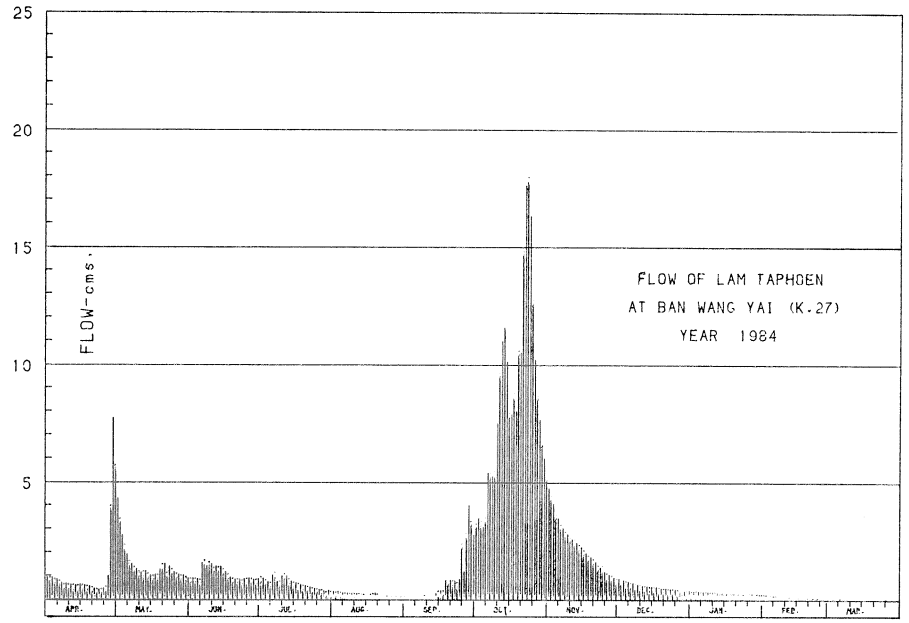
LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14-20-14 N., LONG. 99-29-22 E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+6.250 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.42	2.18	1.41	1.43	1.14	0.95	1.99	2.25	1.40	1.14	1.02	0.84	
2	1.42	2.03	1.41	1.41	1.13	0.94	2.03	2.20	1.39	1.14	1.01	0.85	
3	1.42	1.89	1.41	1.38	1.14	0.96	2.01	2.14	1.38	1.15	1.00	0.85	
4	1.40	1.80	1.40	1.35	1.12	0.95	1.96	2.06	1.36	1.14	0.99	0.84	
5	1.39	1.71	1.39	1.34	1.09	0.96	2.04	2.03	1.35	1.13	0.98	0.83	
6	1.37	1.64	1.62	1.45	1.09	0.96	2.35	1.98	1.33	1.13	0.97	0.83	
7	1.33	1.61	1.65	1.49	1.08	0.96	2.35	1.95	1.33	1.13	0.97	0.83	
8	1.31	1.57	1.58	1.35	1.08	0.97	2.33	1.92	1.32	1.13	0.96	0.83	
9	1.32	1.54	1.63	1.36	1.07	1.00	2.36	1.90	1.30	1.12	0.95	0.83	
10	1.31	1.51	1.61	1.44	1.08	0.98	2.64	1.87	1.30	1.12	0.94	0.83	
11	1.30	1.49	1.56	1.47	1.07	0.98	2.90	1.85	1.28	1.11	0.93	0.83	
12	1.30	1.51	1.58	1.44	1.07	0.98	3.04	1.85	1.27	1.09	0.93	0.83	
13	1.29	1.51	1.57	1.40	1.04	0.97	3.12	1.82	1.27	1.08	0.93	0.83	
14	1.29	1.48	1.57	1.36	1.04	1.07	2.95	1.80	1.26	1.09	0.91	0.82	
15	1.31	1.45	1.54	1.34	1.04	1.16	2.70	1.78	1.26	1.08	0.91	0.82	
16	1.30	1.45	1.50	1.33	1.04	1.16	2.69	1.75	1.25	1.07	0.90	0.82	
17	1.29	1.46	1.47	1.32	1.05	1.17	2.80	1.72	1.25	1.07	0.89	0.82	
18	1.28	1.46	1.42	1.30	1.08	1.37	2.71	1.70	1.24	1.07	0.88	0.81	
19	1.27	1.53	1.41	1.29	1.09	1.38	3.00	1.68	1.22	1.07	0.88	0.80	
20	1.25	1.61	1.39	1.28	1.05	1.38	2.99	1.66	1.22	1.06	0.87	0.79	
21	1.22	1.61	1.40	1.26	1.00	1.37	3.40	1.63	1.22	1.05	0.87	0.79	
22	1.21	1.49	1.39	1.25	0.99	1.37	3.64	1.59	1.21	1.04	0.86	0.79	
23	1.19	1.58	1.38	1.23	0.98	1.34	3.67	1.56	1.21	1.04	0.85	0.79	
24	1.21	1.54	1.40	1.22	0.96	1.39	3.53	1.58	1.21	1.04	0.85	0.79	
25	1.22	1.50	1.41	1.21	0.96	1.81	3.21	1.50	1.20	1.05	0.84	0.78	
26	1.26	1.48	1.41	1.20	0.96	1.50	2.96	1.48	1.19	1.05	0.83	0.78	
27	1.44	1.46	1.41	1.19	0.96	1.91	2.79	1.46	1.11	1.06	0.83	0.78	
28	2.13	1.45	1.39	1.16	0.96	2.13	2.66	1.45	1.03	1.05	0.83	0.78	
29	2.67	1.45	1.39	1.14	0.96	2.01	2.54	1.42	1.14	1.04		0.78	
30	2.40	1.43	1.40	1.15	0.93	1.89	2.44	1.40	1.15	1.03		0.79	
31		1.41		1.15	0.93		2.33		1.16	1.03		0.79	
MEAN	1.42	1.58	1.47	1.31	1.04	1.27	2.71	1.77	1.25	1.08	0.91	0.81	
MAX	2.67	2.18	1.65	1.49	1.14	2.13	3.67	2.25	1.40	1.15	1.02	0.85	3.67
MIN	1.19	1.41	1.38	1.14	0.93	0.94	1.96	1.40	1.03	1.03	0.83	0.78	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.70 M (A.D), AT 6.00 HOURS, ON OCT 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.09 M (A.D)
LEFT BANK ELEVATION 6.80 M (A.D)
RIGHT BANK ELEVATION 7.57 M (A.D), DRAINAGE AREA 1921 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.96	4.33	0.93	0.99	0.36	0.15	3.25	4.75	0.90	0.36	0.22	0.07	
2	0.96	3.47	0.93	0.93	0.34	0.14	3.47	4.45	0.88	0.36	0.21	0.08	
3	0.96	2.76	0.93	0.85	0.36	0.16	3.36	4.09	0.85	0.37	0.20	0.08	
4	0.90	2.35	0.90	0.78	0.33	0.15	3.10	3.63	0.80	0.36	0.19	0.07	
5	0.88	1.94	0.88	0.75	0.29	0.16	3.52	3.47	0.78	0.34	0.18	0.07	
6	0.83	1.66	1.58	1.05	0.29	0.16	5.40	3.20	0.73	0.34	0.17	0.07	
7	0.73	1.54	1.70	1.17	0.28	0.16	5.40	3.05	0.73	0.34	0.17	0.07	
8	0.67	1.41	1.44	0.78	0.28	0.17	5.26	2.90	0.70	0.34	0.16	0.07	
9	0.70	1.32	1.62	0.80	0.27	0.20	5.47	2.80	0.65	0.33	0.15	0.07	
10	0.67	1.23	1.54	1.02	0.28	0.18	7.50	2.67	0.65	0.33	0.14	0.07	
11	0.65	1.17	1.38	1.11	0.27	0.18	9.65	2.58	0.61	0.32	0.13	0.07	
12	0.65	1.23	1.44	1.02	0.27	0.18	11.00	2.58	0.59	0.29	0.13	0.07	
13	0.63	1.23	1.41	0.90	0.24	0.17	11.81	2.44	0.59	0.28	0.13	0.07	
14	0.63	1.14	1.41	0.80	0.24	0.27	10.13	2.35	0.57	0.29	0.11	0.06	
15	0.67	1.05	1.32	0.75	0.24	0.39	7.95	2.26	0.57	0.28	0.11	0.06	
16	0.65	1.05	1.20	0.73	0.24	0.39	7.88	2.12	0.55	0.27	0.10	0.06	
17	0.63	1.08	1.11	0.70	0.25	0.40	8.80	1.99	0.55	0.27	0.10	0.06	
18	0.61	1.08	0.96	0.65	0.28	0.83	8.03	1.90	0.53	0.27	0.09	0.06	
19	0.59	1.29	0.93	0.63	0.29	0.85	10.60	1.82	0.49	0.27	0.09	0.05	
20	0.55	1.54	0.88	0.61	0.25	0.85	10.51	1.74	0.49	0.26	0.09	0.05	
21	0.49	1.54	0.90	0.57	0.20	0.83	14.85	1.62	0.49	0.25	0.09	0.05	
22	0.47	1.17	0.88	0.55	0.19	0.83	17.63	1.47	0.47	0.24	0.08	0.05	
23	0.44	1.44	0.85	0.51	0.18	0.75	17.99	1.38	0.47	0.24	0.08	0.05	
24	0.47	1.32	0.90	0.49	0.16	0.88	16.34	1.44	0.47	0.24	0.08	0.05	
25	0.49	1.20	0.93	0.47	0.16	2.39	12.76	1.20	0.45	0.25	0.07	0.04	
26	0.57	1.14	0.93	0.45	0.16	1.20	10.22	1.14	0.44	0.25	0.07	0.04	
27	1.02	1.08	0.93	0.44	0.16	2.85	8.71	1.08	0.32	0.26	0.07	0.04	
28	4.03	1.05	0.88	0.39	0.16	4.03	7.65	1.05	0.23	0.25	0.07	0.04	
29	7.73	1.05	0.88	0.36	0.16	3.36	6.75	0.96	0.36	0.24		0.04	
30	5.75	0.99	0.90	0.37	0.13	2.76	6.03	0.90	0.37	0.23		0.05	
31		0.93		0.37	0.13		5.26		0.39	0.23		0.05	
TOTAL	35.98	46.78	33.47	21.99	7.44	26.02	266.28	69.03	17.67	8.95	3.48	1.83	538.92 CMSDAY
MEAN	1.20	1.51	1.12	0.71	0.24	0.87	8.59	2.30	0.57	0.29	0.12	0.06	1.48 CMS
MAX	7.73	4.33	1.70	1.17	0.36	4.03	17.99	4.75	0.90	0.37	0.22	0.08	17.99 CMS
MIN	0.44	0.93	0.85	0.36	0.13	0.14	3.10	0.90	0.23	0.23	0.07	0.04	0.04 CMS
RUNOFF	3.109	4.042	2.892	1.900	0.643	2.248	23.007	5.964	1.527	0.773	0.301	0.158	46.563 MCM

MOMENTARY PEAK 18.35 CMS, AT 3.70 M (A.D), AT 6.00 HOURS, ON OCT 23, 1984

RUNOFF YIELD 0.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

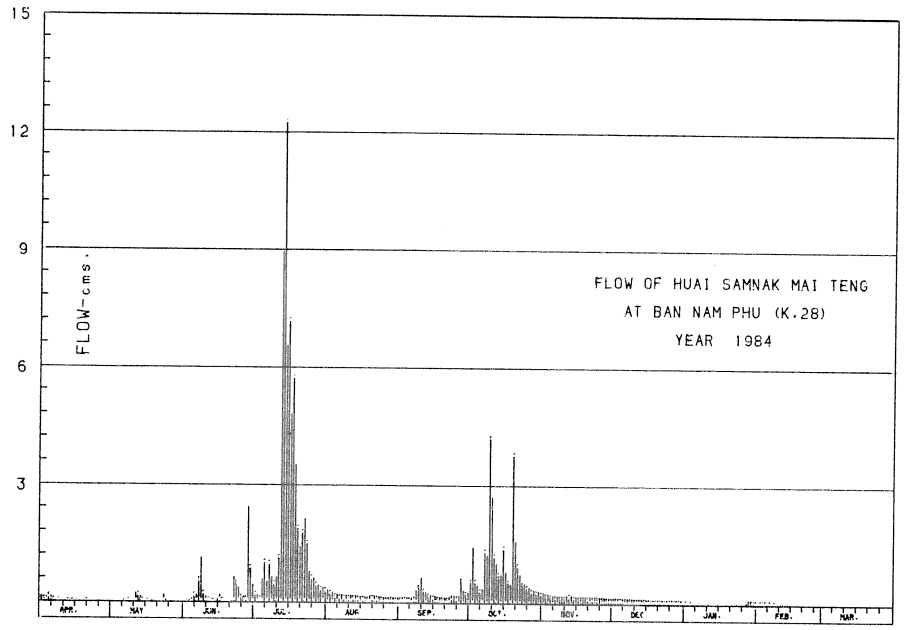
HUAI SAMNAK MAI TENG AT BAN NAM PHU, RATCHABURI (K.28)

LOCATION	LAT. 13-30-23 N., LONG. 99-36-04 E., ON LEFT BANK AT BAN NAM PHU, AMPHOE PAK THO, RATCHABURI.
DRAINAGE AREA	183 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+6.189 M. (A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 47 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.56	0.53	0.74	0.77	0.64	0.92	0.74	0.65	0.60	0.60	0.45	
2	0.62	0.55	0.56	0.68	0.76	0.64	1.18	0.73	0.65	0.60	0.60	0.44	
3	0.62	0.54	0.55	0.65	0.74	0.65	0.92	0.72	0.65	0.59	0.60	0.43	
4	0.70	0.54	0.59	0.92	0.72	0.64	0.84	0.71	0.65	0.58	0.60	0.42	
5	0.63	0.55	0.73	1.10	0.71	0.64	0.79	0.70	0.64	0.58	0.60	0.41	
6	0.60	0.55	0.68	0.89	0.70	0.63	0.79	0.70	0.64	0.57	0.60	0.40	
7	0.58	0.57	0.93	1.09	0.70	0.66	1.17	0.69	0.64	0.57	0.59	0.39	
8	0.57	0.59	1.11	0.94	0.69	0.77	1.13	0.69	0.64	0.57	0.58	0.38	
9	0.56	0.57	0.75	0.90	0.69	0.85	1.63	0.69	0.64	0.56	0.57	0.37	
10	0.56	0.54	0.64	0.94	0.68	0.94	1.43	0.69	0.63	0.56	0.57	0.36	
11	0.56	0.71	0.62	1.13	0.68	0.79	1.14	0.70	0.63	0.55	0.56	0.35	
12	0.56	0.73	0.60	2.05	0.68	0.74	1.07	0.72	0.63	0.55	0.55	0.35	
13	0.56	0.64	0.58	2.27	0.68	0.72	0.99	0.70	0.63	0.55	0.55	0.34	
14	0.56	0.60	0.58	1.86	0.67	0.70	0.97	0.69	0.63	0.55	0.54	0.33	
15	0.56	0.58	0.69	1.92	0.66	0.69	1.19	0.68	0.62	0.54	0.54	0.32	
16	0.56	0.57	0.69	1.69	0.66	0.68	1.00	0.68	0.62	0.54	0.53	0.31	
17	0.55	0.58	0.61	1.79	0.65	0.66	0.91	0.68	0.61	0.54	0.53	0.30	
18	0.55	0.65	0.59	1.54	0.65	0.65	0.86	0.68	0.61	0.54	0.52	0.29	
19	0.58	0.59	0.59	1.31	0.68	0.65	1.58	0.68	0.61	0.53	0.52	0.28	
20	0.57	0.57	0.58	1.18	0.69	0.64	1.22	0.68	0.61	0.53	0.51	0.27	
21	0.57	0.56	0.65	1.29	0.68	0.64	1.07	0.68	0.61	0.53	0.51	0.26	
22	0.56	0.57	0.94	1.34	0.67	0.65	0.97	0.67	0.61	0.53	0.50	0.25	
23	0.55	0.68	0.90	1.22	0.66	0.70	0.89	0.67	0.61	0.53	0.50	0.24	
24	0.55	0.55	0.80	1.00	0.65	0.69	0.87	0.67	0.61	0.53	0.49	0.23	
25	0.55	0.56	0.69	0.96	0.64	0.67	0.85	0.66	0.61	0.52	0.49	0.23	
26	0.55	0.61	0.65	0.93	0.64	0.69	0.82	0.66	0.61	0.53	0.48	0.26	
27	0.54	0.57	0.66	0.88	0.64	0.93	0.79	0.66	0.61	0.61	0.47	0.24	
28	0.54	0.55	1.39	0.84	0.65	0.77	0.78	0.65	0.61	0.61	0.46	0.21	
29	0.54	0.55	1.05	0.82	0.64	0.75	0.77	0.65	0.61	0.61		0.20	
30	0.54	0.55	0.84	0.81	0.63	0.74	0.76	0.65	0.60	0.60		0.19	
31		0.56		0.80	0.63		0.75		0.60	0.60		0.18	
MEAN	0.57	0.58	0.73	1.18	0.68	0.71	1.00	0.69	0.62	0.56	0.54	0.31	
MAX	0.70	0.73	1.39	2.27	0.77	0.94	1.63	0.74	0.65	0.61	0.60	0.45	2.27
MIN	0.54	0.54	0.53	0.65	0.63	0.63	0.75	0.65	0.60	0.52	0.46	0.18	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.08 M (A.D), AT 21.00 HOURS, ON JUL 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 5.74 M (A.D)
RIGHT BANK ELEVATION 5.59 M (A.D), DRAINAGE AREA 183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.06	0.03	0.27	0.32	0.14	0.60	0.27	0.15	0.10	0.10	0.00	
2	0.12	0.05	0.06	0.18	0.31	0.14	1.42	0.25	0.15	0.10	0.10	0.00	
3	0.12	0.04	0.05	0.15	0.27	0.15	0.60	0.24	0.15	0.09	0.10	0.00	
4	0.20	0.04	0.09	0.60	0.24	0.14	0.45	0.22	0.15	0.08	0.10	0.00	
5	0.13	0.05	0.25	1.10	0.22	0.14	0.36	0.20	0.14	0.08	0.10	0.00	
6	0.10	0.05	0.18	0.53	0.20	0.13	0.36	0.20	0.14	0.07	0.10	0.00	
7	0.08	0.07	0.63	1.07	0.20	0.16	1.38	0.19	0.14	0.07	0.09	0.00	
8	0.07	0.09	1.14	0.65	0.19	0.32	1.22	0.19	0.14	0.07	0.08	0.00	
9	0.06	0.07	0.29	0.55	0.19	0.46	4.27	0.19	0.14	0.06	0.07	0.00	
10	0.06	0.04	0.14	0.65	0.18	0.65	2.71	0.19	0.13	0.06	0.07	0.00	
11	0.06	0.22	0.12	1.22	0.18	0.36	1.26	0.20	0.13	0.05	0.06	0.00	
12	0.06	0.25	0.10	8.95	0.18	0.27	1.01	0.24	0.13	0.05	0.05	0.00	
13	0.06	0.14	0.08	12.32	0.18	0.24	0.78	0.20	0.13	0.05	0.05	0.00	
14	0.06	0.10	0.08	6.56	0.17	0.20	0.73	0.19	0.13	0.05	0.04	0.00	
15	0.06	0.08	0.19	7.26	0.16	0.19	1.46	0.18	0.12	0.04	0.04	0.00	
16	0.06	0.07	0.19	4.81	0.16	0.18	0.80	0.18	0.12	0.04	0.03	0.00	
17	0.05	0.08	0.11	5.80	0.15	0.16	0.58	0.18	0.11	0.04	0.03	0.00	
18	0.05	0.15	0.09	3.52	0.15	0.15	0.48	0.18	0.11	0.04	0.02	0.00	
19	0.08	0.09	0.09	1.96	0.18	0.15	3.84	0.18	0.11	0.03	0.02	0.00	
20	0.07	0.07	0.08	1.42	0.19	0.14	1.58	0.18	0.11	0.03	0.01	0.00	
21	0.07	0.06	0.15	1.86	0.18	0.14	1.01	0.18	0.11	0.03	0.01	0.00	
22	0.06	0.07	0.65	2.14	0.17	0.15	0.73	0.17	0.11	0.03	0.00	0.00	
23	0.05	0.18	0.55	1.58	0.16	0.20	0.53	0.17	0.11	0.03	0.00	0.00	
24	0.05	0.05	0.38	0.80	0.15	0.19	0.50	0.17	0.11	0.03	0.00	0.00	
25	0.05	0.06	0.19	0.70	0.14	0.17	0.46	0.16	0.11	0.02	0.00	0.00	
26	0.05	0.11	0.15	0.63	0.14	0.19	0.41	0.16	0.11	0.03	0.00	0.00	
27	0.04	0.07	0.16	0.52	0.14	0.63	0.36	0.16	0.11	0.11	0.00	0.00	
28	0.04	0.05	2.44	0.45	0.15	0.32	0.34	0.15	0.11	0.11	0.00	0.00	
29	0.04	0.05	0.95	0.41	0.14	0.29	0.32	0.15	0.11	0.11		0.00	
30	0.04	0.05	0.45	0.39	0.13	0.27	0.31	0.15	0.10	0.10		0.00	
31		0.06		0.38	0.13		0.29		0.10	0.10		0.00	
TOTAL	2.17	2.62	10.06	69.43	5.65	7.02	31.15	5.67	3.82	1.90	1.27	0.00	140.76 CMSDAY
MEAN	0.07	0.08	0.34	2.24	0.18	0.23	1.00	0.19	0.12	0.06	0.05	0.00	0.39 CMS
MAX	0.20	0.25	2.44	12.32	0.32	0.65	4.27	0.27	0.15	0.11	0.10	0.00	12.32 CMS
MIN	0.04	0.04	0.03	0.15	0.13	0.13	0.29	0.15	0.10	0.02	0.00	0.00	0.00 CMS
RUNOFF	0.187	0.226	0.869	5.999	0.488	0.607	2.691	0.490	0.330	0.164	0.110	0.000	12.162 MCM

MOMENTARY PEAK 84.50 CMS, AT 4.08 M (A.D), AT 21.00 HOURS, ON JUL 12, 1984

RUNOFF YIELD 2.11 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 461.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

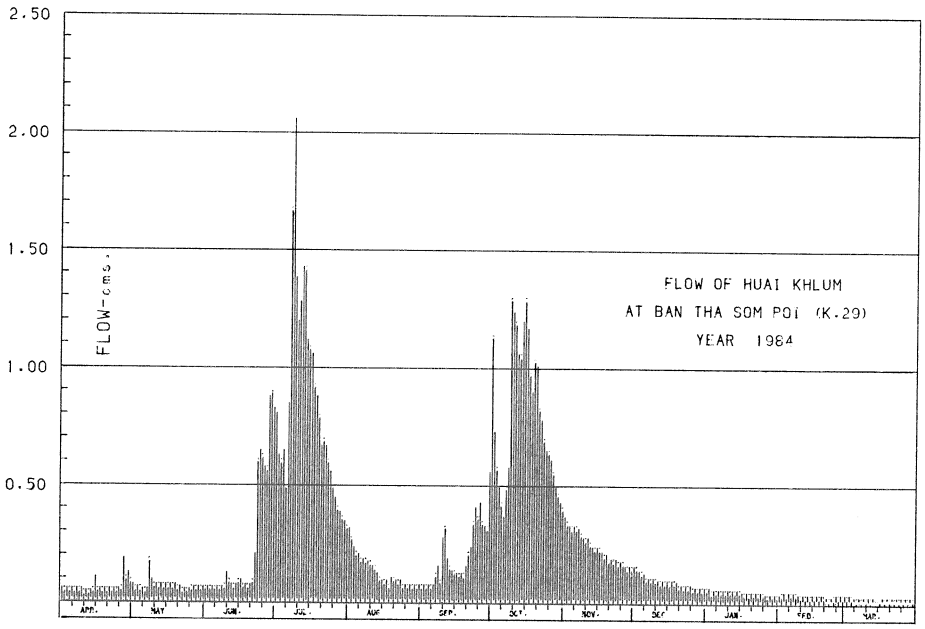
HUAI KHLUM AT BAN THA SOM POI, RATCHABURI (K.29)

LOCATION	LAT. 13-34-45 N., LONG. 99-20-19 E., ON RIGHT BANK AT BAN THA SOM POI, AMPHOE SUAN PHUNG, RATCHABURI.
DRAINAGE AREA	232 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.80 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR.STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.47	1.50	1.49	1.87	1.64	1.50	1.99	1.67	1.55	1.49	1.45	1.45	
2	1.47	1.49	1.49	1.79	1.62	1.50	1.83	1.66	1.55	1.49	1.46	1.45	
3	1.47	1.49	1.49	1.78	1.60	1.50	1.77	1.65	1.54	1.48	1.46	1.45	
4	1.47	1.49	1.49	1.80	1.59	1.50	1.73	1.65	1.54	1.48	1.46	1.45	
5	1.47	1.48	1.49	1.73	1.58	1.50	1.70	1.65	1.53	1.48	1.46	1.44	
6	1.47	1.48	1.49	1.88	1.57	1.50	1.67	1.65	1.52	1.48	1.46	1.44	
7	1.47	1.47	1.49	2.15	1.57	1.53	1.73	1.64	1.52	1.48	1.46	1.44	
8	1.47	1.57	1.49	2.25	1.57	1.55	1.77	1.63	1.52	1.48	1.46	1.44	
9	1.47	1.51	1.50	2.07	1.56	1.51	2.04	1.62	1.52	1.47	1.45	1.44	
10	1.46	1.50	1.53	2.01	1.56	1.62	2.02	1.62	1.52	1.47	1.45	1.44	
11	1.46	1.50	1.51	2.04	1.55	1.65	2.01	1.62	1.51	1.47	1.45	1.44	
12	1.46	1.50	1.50	2.08	1.55	1.57	1.96	1.61	1.51	1.47	1.45	1.44	
13	1.46	1.50	1.50	2.08	1.53	1.55	1.96	1.60	1.51	1.47	1.45	1.44	
14	1.47	1.50	1.50	1.98	1.52	1.54	2.01	1.60	1.51	1.47	1.45	1.43	
15	1.52	1.50	1.51	1.97	1.51	1.54	2.04	1.60	1.51	1.47	1.45	1.43	
16	1.47	1.50	1.51	1.96	1.51	1.53	2.00	1.60	1.51	1.46	1.45	1.44	
17	1.48	1.50	1.50	1.91	1.51	1.53	1.93	1.59	1.51	1.46	1.45	1.44	
18	1.47	1.50	1.50	1.89	1.50	1.53	1.90	1.58	1.51	1.46	1.45	1.44	
19	1.47	1.50	1.50	1.86	1.52	1.53	1.95	1.58	1.51	1.46	1.45	1.44	
20	1.47	1.49	1.50	1.81	1.52	1.55	1.94	1.57	1.50	1.46	1.45	1.44	
21	1.47	1.49	1.51	1.82	1.51	1.59	1.87	1.57	1.50	1.46	1.44	1.44	
22	1.47	1.48	1.58	1.81	1.51	1.60	1.85	1.57	1.50	1.46	1.44	1.44	
23	1.47	1.48	1.78	1.78	1.51	1.66	1.82	1.57	1.50	1.46	1.44	1.44	
24	1.47	1.48	1.80	1.76	1.50	1.69	1.80	1.56	1.50	1.46	1.45	1.44	
25	1.47	1.48	1.79	1.73	1.50	1.67	1.80	1.56	1.50	1.46	1.45	1.44	
26	1.49	1.49	1.77	1.71	1.50	1.70	1.78	1.56	1.49	1.45	1.45	1.44	
27	1.57	1.49	1.77	1.69	1.50	1.66	1.76	1.55	1.49	1.45	1.45	1.44	
28	1.52	1.49	1.89	1.68	1.50	1.65	1.73	1.55	1.49	1.45	1.45	1.44	
29	1.53	1.49	1.90	1.67	1.50	1.65	1.72	1.55	1.49	1.45		1.44	
30	1.51	1.49	1.87	1.66	1.50	1.76	1.70	1.55	1.49	1.45		1.44	
31		1.49		1.65	1.50		1.69		1.49	1.45		1.46	
MEAN	1.48	1.49	1.59	1.87	1.54	1.58	1.85	1.60	1.51	1.47	1.45	1.44	
MAX	1.57	1.57	1.90	2.25	1.64	1.76	2.04	1.67	1.55	1.49	1.46	1.46	2.25
MIN	1.46	1.47	1.49	1.65	1.50	1.50	1.67	1.55	1.49	1.45	1.44	1.43	1.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.82 M (A.D), AT 18.00 HOURS, ON JUL 7, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.11 M (A.D)
LEFT BANK ELEVATION 5.68 M (A.D)
RIGHT BANK ELEVATION 9.79 M (A.D), DRAINAGE AREA 232 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.08	0.07	0.83	0.32	0.08	1.14	0.37	0.16	0.07	0.04	0.04	
2	0.06	0.07	0.07	0.63	0.28	0.08	0.73	0.35	0.16	0.07	0.05	0.04	
3	0.06	0.07	0.07	0.61	0.24	0.08	0.58	0.33	0.14	0.06	0.05	0.04	
4	0.06	0.07	0.07	0.65	0.22	0.08	0.50	0.33	0.14	0.06	0.05	0.04	
5	0.06	0.06	0.07	0.50	0.21	0.08	0.43	0.33	0.13	0.06	0.05	0.03	
6	0.06	0.06	0.07	0.85	0.19	0.08	0.37	0.33	0.11	0.06	0.05	0.03	
7	0.06	0.06	0.07	1.68	0.19	0.13	0.50	0.32	0.11	0.06	0.05	0.03	
8	0.06	0.19	0.07	2.06	0.19	0.16	0.58	0.30	0.11	0.06	0.05	0.03	
9	0.06	0.10	0.08	1.40	0.18	0.10	1.30	0.28	0.11	0.06	0.04	0.03	
10	0.05	0.08	0.13	1.20	0.18	0.28	1.24	0.28	0.11	0.06	0.04	0.03	
11	0.05	0.08	0.10	1.30	0.16	0.33	1.20	0.28	0.10	0.06	0.04	0.03	
12	0.05	0.08	0.08	1.43	0.16	0.19	1.06	0.26	0.10	0.06	0.04	0.03	
13	0.05	0.08	0.08	1.43	0.13	0.16	1.06	0.24	0.10	0.06	0.04	0.03	
14	0.06	0.08	0.08	1.12	0.11	0.14	1.20	0.24	0.10	0.06	0.04	0.02	
15	0.11	0.08	0.10	1.09	0.10	0.14	1.30	0.24	0.10	0.06	0.04	0.02	
16	0.06	0.08	0.10	1.06	0.10	0.13	1.17	0.24	0.10	0.05	0.04	0.03	
17	0.06	0.08	0.08	0.93	0.10	0.13	0.98	0.22	0.10	0.05	0.04	0.03	
18	0.06	0.08	0.08	0.88	0.08	0.13	0.90	0.21	0.10	0.05	0.04	0.03	
19	0.06	0.08	0.08	0.80	0.11	0.13	1.04	0.21	0.10	0.05	0.04	0.03	
20	0.06	0.07	0.08	0.67	0.11	0.16	1.01	0.19	0.08	0.05	0.04	0.03	
21	0.06	0.07	0.10	0.70	0.10	0.22	0.83	0.19	0.08	0.05	0.03	0.03	
22	0.06	0.06	0.21	0.67	0.10	0.24	0.78	0.19	0.08	0.05	0.03	0.03	
23	0.06	0.06	0.61	0.61	0.10	0.35	0.70	0.19	0.08	0.05	0.03	0.03	
24	0.06	0.06	0.65	0.56	0.08	0.41	0.65	0.18	0.08	0.05	0.04	0.03	
25	0.06	0.06	0.63	0.50	0.08	0.37	0.65	0.18	0.08	0.05	0.04	0.03	
26	0.07	0.07	0.58	0.45	0.08	0.43	0.61	0.18	0.07	0.04	0.04	0.03	
27	0.19	0.07	0.58	0.41	0.08	0.35	0.56	0.16	0.07	0.04	0.04	0.03	
28	0.11	0.07	0.88	0.39	0.08	0.33	0.50	0.16	0.07	0.04	0.04	0.03	
29	0.13	0.07	0.90	0.37	0.08	0.33	0.47	0.16	0.07	0.04		0.03	
30	0.10	0.07	0.83	0.35	0.08	0.56	0.43	0.16	0.07	0.04		0.03	
31		0.07		0.33	0.08		0.41		0.07	0.04		0.05	
TOTAL	2.11	2.36	7.60	26.46	4.30	6.38	24.88	7.30	3.08	1.66	1.16	0.97	88.26 CMSDAY
MEAN	0.07	0.08	0.25	0.85	0.14	0.21	0.80	0.24	0.10	0.05	0.04	0.03	0.24 CMS
MAX	0.19	0.19	0.90	2.06	0.32	0.56	1.30	0.37	0.16	0.07	0.05	0.05	2.06 CMS
MIN	0.05	0.06	0.07	0.33	0.08	0.08	0.37	0.16	0.07	0.04	0.03	0.02	0.02 CMS
RUNOFF	0.182	0.204	0.657	2.286	0.372	0.551	2.150	0.631	0.266	0.143	0.100	0.084	7.626 MCM

MOMENTARY PEAK 5.29 CMS, AT 2.82 M (A.D), AT 18.00 HOURS, ON JUL 7, 1984

RUNOFF YIELD 1.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

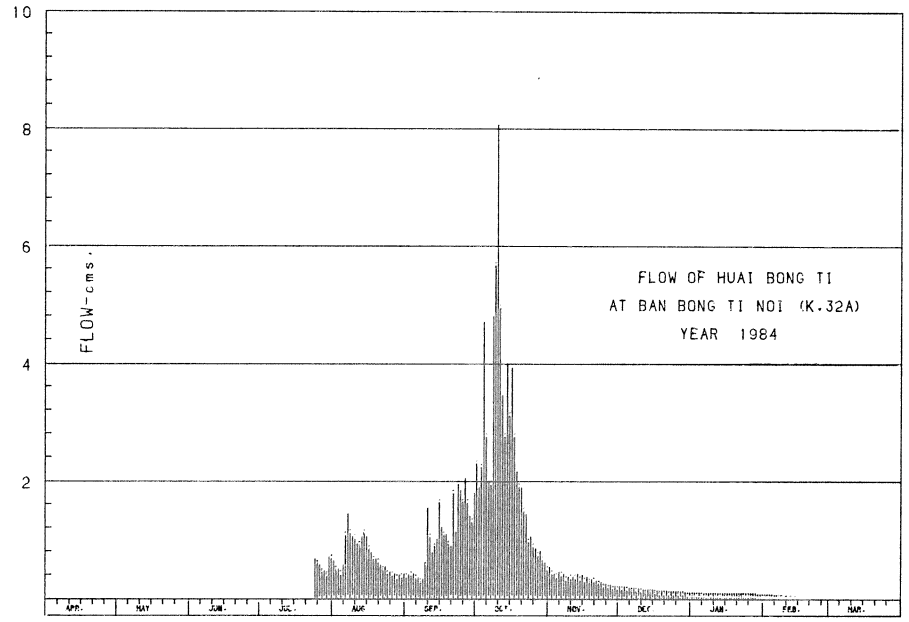
HUAI BONG TI AT BAN BONG TI NOI, KANCHANABURI (K.32A)

LOCATION	LAT. 14-16-25 N., LONG. 98-56-04 E., ON RIGHT BANK AT BAN BONG TI NOI,AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	512 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 8.50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+4.238 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STREAM GAGING BEGAN ON JUL. 24, 1984. STAGE-DISCHARGE RELATION DEFINED BY 53 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	0.95	0.88	1.32	0.92	0.79	0.72	0.70	0.47	
2	*******	*******	*******	*******	0.92	0.87	1.24	0.90	0.78	0.72	0.70	0.46	
3	*******	*******	*******	*******	0.91	0.89	1.31	0.88	0.78	0.72	0.70	0.45	
4	*******	*******	*******	*******	0.90	0.88	1.63	0.88	0.78	0.72	0.70	0.43	
5	*******	*******	*******	*******	0.93	0.87	1.39	0.89	0.77	0.72	0.69	0.43	
6	*******	*******	*******	*******	1.08	0.85	1.26	0.89	0.77	0.71	0.69	0.41	
7	*******	*******	*******	*******	1.15	0.84	1.26	0.88	0.77	0.71	0.69	0.41	
8	*******	*******	*******	*******	1.09	0.84	1.64	0.86	0.77	0.71	0.69	0.39	
9	*******	*******	*******	*******	1.06	0.94	1.73	0.86	0.76	0.71	0.69	0.37	
10	*******	*******	*******	*******	1.07	1.17	1.93	0.87	0.76	0.71	0.68	0.34	
11	*******	*******	*******	*******	1.03	1.07	1.66	0.86	0.75	0.71	0.68	0.31	
12	*******	*******	*******	*******	1.04	0.99	1.48	0.87	0.75	0.71	0.67	0.29	
13	*******	*******	*******	*******	1.06	1.03	1.39	0.88	0.75	0.71	0.66	0.28	
14	*******	*******	*******	*******	1.09	1.05	1.55	0.86	0.75	0.71	0.66	0.26	
15	*******	*******	*******	*******	1.06	1.20	1.44	0.87	0.75	0.71	0.64	0.25	
16	*******	*******	*******	*******	1.02	1.10	1.54	0.85	0.75	0.71	0.63	0.23	
17	*******	*******	*******	*******	0.99	1.08	1.39	0.86	0.74	0.71	0.62	0.22	
18	*******	*******	*******	*******	0.97	1.07	1.29	0.84	0.74	0.71	0.61	0.21	
19	*******	*******	*******	*******	0.96	1.04	1.25	0.84	0.74	0.71	0.59	0.19	
20	*******	*******	*******	*******	0.96	1.02	1.24	0.85	0.74	0.71	0.58	0.18	
21	*******	*******	*******	*******	0.93	1.23	1.17	0.83	0.74	0.71	0.56	0.17	
22	*******	*******	*******	*******	0.92	1.08	1.15	0.83	0.73	0.71	0.55	0.17	
23	*******	*******	*******	*******	0.92	1.26	1.05	0.82	0.73	0.71	0.53	0.17	
24	*******	*******	*******	0.96	0.90	1.23	1.06	0.81	0.73	0.71	0.52	0.17	
25	*******	*******	*******	0.95	0.89	1.20	1.03	0.81	0.73	0.71	0.52	0.16	
26	*******	*******	*******	0.93	0.89	1.27	1.01	0.80	0.73	0.71	0.51	0.15	
27	*******	*******	*******	0.91	0.88	1.20	0.99	0.80	0.73	0.71	0.50	0.13	
28	*******	*******	*******	0.90	0.87	1.14	1.00	0.79	0.73	0.71	0.49	0.13	
29	*******	*******	*******	0.89	0.87	1.13	0.97	0.79	0.72	0.70		0.13	
30	*******	*******	*******	0.97	0.88	1.22	0.94	0.79	0.72	0.70		0.11	
31		*******		0.98	0.88		0.92		0.72	0.70		0.10	
MEAN	*******	*******	*******	*******	0.97	1.05	1.30	0.85	0.75	0.71	0.62	0.26	
MAX	*******	*******	*******	0.98	1.15	1.27	1.93	0.92	0.79	0.72	0.70	0.47	1.93
MIN	*******	*******	*******	*******	0.87	0.84	0.92	0.79	0.72	0.70	0.49	0.10	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.03 M (A.D), AT 6.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.12 M (A.D)
LEFT BANK ELEVATION 3.23 M (A.D)
RIGHT BANK ELEVATION 5.49 M (A.D), DRAINAGE AREA 512 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	0.65	0.43	2.35	0.55	0.22	0.11	0.08	0.00	
2	*******	*******	*******	*******	0.55	0.41	1.90	0.48	0.21	0.11	0.08	0.00	
3	*******	*******	*******	*******	0.51	0.46	2.29	0.43	0.21	0.11	0.08	0.00	
4	*******	*******	*******	*******	0.48	0.43	4.71	0.43	0.21	0.11	0.08	0.00	
5	*******	*******	*******	*******	0.58	0.41	2.81	0.46	0.19	0.11	0.07	0.00	
6	*******	*******	*******	*******	1.14	0.36	2.01	0.46	0.19	0.10	0.07	0.00	
7	*******	*******	*******	*******	1.45	0.34	2.01	0.43	0.19	0.10	0.07	0.00	
8	*******	*******	*******	*******	1.18	0.34	4.81	0.38	0.19	0.10	0.07	0.00	
9	*******	*******	*******	*******	1.06	0.62	5.72	0.38	0.18	0.10	0.07	0.00	
10	*******	*******	*******	*******	1.10	1.55	8.07	0.41	0.18	0.10	0.06	0.00	
11	*******	*******	*******	*******	0.94	1.10	5.00	0.38	0.16	0.10	0.06	0.00	
12	*******	*******	*******	*******	0.98	0.79	3.46	0.41	0.16	0.10	0.06	0.00	
13	*******	*******	*******	*******	1.06	0.94	2.81	0.43	0.16	0.10	0.05	0.00	
14	*******	*******	*******	*******	1.18	1.02	4.01	0.38	0.16	0.10	0.05	0.00	
15	*******	*******	*******	*******	1.06	1.69	3.17	0.41	0.16	0.10	0.03	0.00	
16	*******	*******	*******	*******	0.90	1.22	3.93	0.36	0.16	0.10	0.02	0.00	
17	*******	*******	*******	*******	0.79	1.14	2.81	0.38	0.14	0.10	0.02	0.00	
18	*******	*******	*******	*******	0.72	1.10	2.17	0.34	0.14	0.10	0.01	0.00	
19	*******	*******	*******	*******	0.68	0.98	1.96	0.34	0.14	0.10	0.00	0.00	
20	*******	*******	*******	*******	0.68	0.90	1.90	0.36	0.14	0.10	0.00	0.00	
21	*******	*******	*******	*******	0.58	1.85	1.55	0.31	0.14	0.10	0.00	0.00	
22	*******	*******	*******	*******	0.55	1.14	1.45	0.31	0.13	0.10	0.00	0.00	
23	*******	*******	*******	*******	0.55	2.01	1.02	0.29	0.13	0.10	0.00	0.00	
24	*******	*******	*******	0.68	0.48	1.85	1.06	0.26	0.13	0.10	0.00	0.00	
25	*******	*******	*******	0.65	0.46	1.69	0.94	0.26	0.13	0.10	0.00	0.00	
26	*******	*******	*******	0.58	0.46	2.06	0.86	0.24	0.13	0.10	0.00	0.00	
27	*******	*******	*******	0.51	0.43	1.69	0.79	0.24	0.13	0.10	0.00	0.00	
28	*******	*******	*******	0.48	0.41	1.41	0.82	0.22	0.13	0.10	0.00	0.00	
29	*******	*******	*******	0.46	0.41	1.36	0.72	0.22	0.11	0.08		0.00	
30	*******	*******	*******	0.72	0.43	1.80	0.62	0.22	0.11	0.08		0.00	
31		*******		0.75	0.43		0.55		0.11	0.08		0.00	
TOTAL	*******	*******	*******	*******	22.88	33.09	78.28	10.77	4.87	3.09	1.03	0.00	******** CMSDAY
MEAN	*******	*******	*******	*******	0.74	1.10	2.53	0.36	0.16	0.10	0.04	0.00	******** CMS
MAX	*******	*******	*******	0.75	1.45	2.06	8.07	0.55	0.22	0.11	0.08	0.00	8.07 CMS
MIN	*******	*******	*******	*******	0.41	0.34	0.55	0.22	0.11	0.08	0.00	0.00	******** CMS
RUNOFF	*******	*******	*******	*******	1.977	2.859	6.763	0.931	0.421	0.267	0.089	0.000	******** MCM

MOMENTARY PEAK 9.40 CMS, AT 2.03 M (A.D), AT 6.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

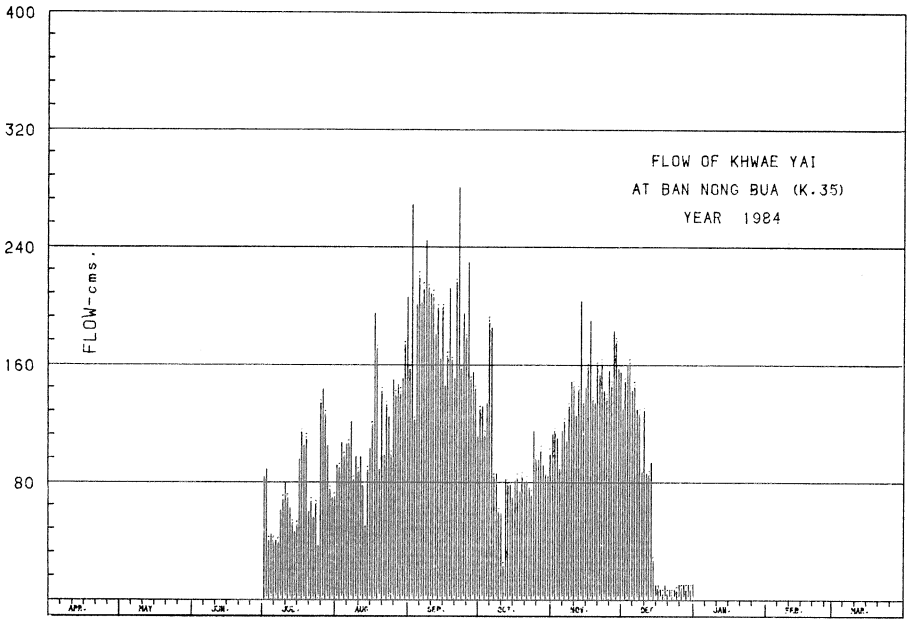
KHWAE YAI AT BAN NONG BUA, KANCHANABURI (K.35)

LOCATION	LAT. 14-03-22 N., LONG. 99-27-35 E., ON LEFT BANK AT BAN NONG BUA, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	14,528 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 5 METERS FROM THE THIRD STAFF GAGE.
ELEVATION	+7.667 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STREAM GAGING BEGAN ON JUL.1, 1984. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	2.48	2.56	3.22	2.96	2.78	2.94	*******	*******	*******	
2	*******	*******	*******	2.53	2.57	4.11	2.96	2.82	3.14	*******	*******	*******	
3	*******	*******	*******	2.00	2.72	2.89	2.80	2.75	3.22	*******	*******	*******	
4	*******	*******	*******	2.02	2.65	3.57	2.98	2.56	3.26	*******	*******	*******	
5	*******	*******	*******	2.00	2.71	3.75	3.50	2.80	3.06	*******	*******	*******	
6	*******	*******	*******	1.96	2.74	3.58	3.44	2.88	3.12	*******	*******	*******	
7	*******	*******	*******	1.99	2.86	3.69	2.50	2.73	2.94	*******	*******	*******	
8	*******	*******	*******	2.22	2.48	3.92	2.50	2.98	2.94	*******	*******	*******	
9	*******	*******	*******	2.34	2.62	3.68	2.24	3.12	2.51	*******	*******	*******	
10	*******	*******	*******	2.43	2.54	3.63	2.20	3.12	2.95	*******	*******	*******	
11	*******	*******	*******	2.35	2.62	3.65	1.73	2.90	2.50	*******	*******	*******	
12	*******	*******	*******	2.24	2.44	3.40	2.46	3.09	2.52	*******	*******	*******	
13	*******	*******	*******	2.14	2.09	3.57	2.46	3.59	2.58	*******	*******	*******	
14	*******	*******	*******	2.04	2.55	3.26	2.42	3.00	1.80	*******	*******	*******	
15	*******	*******	*******	2.13	2.68	3.57	2.36	3.08	1.40	*******	*******	*******	
16	*******	*******	*******	2.60	2.86	3.09	2.45	3.23	1.40	*******	*******	*******	
17	*******	*******	*******	2.81	3.52	3.30	2.50	3.48	1.30	*******	*******	*******	
18	*******	*******	*******	2.70	3.34	3.66	2.37	3.02	1.30	*******	*******	*******	
19	*******	*******	*******	2.78	2.53	3.27	2.51	2.98	1.40	*******	*******	*******	
20	*******	*******	*******	2.21	3.08	3.14	2.44	3.24	1.30	*******	*******	*******	
21	*******	*******	*******	2.32	2.63	3.71	2.48	3.16	1.30	*******	*******	*******	
22	*******	*******	*******	2.16	2.99	4.20	2.40	3.26	1.30	*******	*******	*******	
23	*******	*******	*******	2.30	2.89	3.22	2.38	3.06	1.30	*******	*******	*******	
24	*******	*******	*******	1.91	2.66	3.52	2.80	3.04	1.37	*******	*******	*******	
25	*******	*******	*******	3.00	3.13	3.40	2.63	3.19	1.41	*******	*******	*******	
26	*******	*******	*******	3.07	3.06	3.80	2.60	3.12	1.41	*******	*******	*******	
27	*******	*******	*******	2.93	3.10	3.15	2.70	3.42	1.41	*******	*******	*******	
28	*******	*******	*******	2.70	3.08	3.18	2.56	3.38	1.41	*******	*******	*******	
29	*******	*******	*******	2.41	3.14	3.09	2.52	3.20	1.41	*******		*******	
30	*******	*******	*******	2.32	3.36	2.76	2.48	3.22	1.41	*******		*******	
31		*******		2.36	3.61		2.68		1.42	*******		*******	
MEAN	*******	*******	*******	2.37	2.83	3.47	2.58	3.07	2.02	*******	*******	*******	
MAX	*******	*******	*******	3.07	3.61	4.20	3.50	3.59	3.26	*******	*******	*******	4.20
MIN	*******	*******	*******	1.91	2.09	2.76	1.73	2.56	1.30	*******	*******	*******	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.31 M (A.D), AT 6.00 HOURS, ON SEP 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.10 M (A.D)
LEFT BANK ELEVATION 14.10 M (A.D)
RIGHT BANK ELEVATION 9.00 M (A.D), DRAINAGE AREA 14528 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	84.10	91.70	159.30	131.80	113.00	129.70	*******	*******	*******	
2	*******	*******	*******	88.85	92.65	268.80	131.80	117.10	150.70	*******	*******	*******	
3	*******	*******	*******	43.00	107.00	124.45	115.00	110.00	159.30	*******	*******	*******	
4	*******	*******	*******	44.60	100.25	200.90	133.90	91.70	163.90	*******	*******	*******	
5	*******	*******	*******	43.00	106.00	223.25	192.50	115.00	142.30	*******	*******	*******	
6	*******	*******	*******	40.20	109.00	202.10	185.30	123.40	148.60	*******	*******	*******	
7	*******	*******	*******	42.30	121.30	215.75	86.00	108.00	129.70	*******	*******	*******	
8	*******	*******	*******	60.70	84.10	244.50	86.00	133.90	129.70	*******	*******	*******	
9	*******	*******	*******	71.10	97.40	214.50	62.40	148.60	86.95	*******	*******	*******	
10	*******	*******	*******	79.35	89.80	208.25	59.00	148.60	130.75	*******	*******	*******	
11	*******	*******	*******	72.00	97.40	210.75	25.65	125.50	86.00	*******	*******	*******	
12	*******	*******	*******	62.40	80.30	180.50	82.20	145.45	87.90	*******	*******	*******	
13	*******	*******	*******	54.20	50.20	200.90	82.20	203.30	93.60	*******	*******	*******	
14	*******	*******	*******	46.20	90.75	163.90	78.40	136.00	29.50	*******	*******	*******	
15	*******	*******	*******	53.40	103.10	200.90	72.90	144.40	10.00	*******	*******	*******	
16	*******	*******	*******	95.50	121.30	145.45	81.25	160.45	10.00	*******	*******	*******	
17	*******	*******	*******	116.05	194.90	168.50	86.00	190.10	7.00	*******	*******	*******	
18	*******	*******	*******	105.00	173.30	212.00	73.80	138.10	7.00	*******	*******	*******	
19	*******	*******	*******	113.00	88.85	165.05	86.95	133.90	10.00	*******	*******	*******	
20	*******	*******	*******	59.85	144.40	150.70	80.30	161.60	7.00	*******	*******	*******	
21	*******	*******	*******	69.30	98.35	218.25	84.10	152.80	7.00	*******	*******	*******	
22	*******	*******	*******	55.80	134.95	280.50	76.50	163.90	7.00	*******	*******	*******	
23	*******	*******	*******	67.50	124.45	159.30	74.70	142.30	7.00	*******	*******	*******	
24	*******	*******	*******	36.70	101.20	194.90	115.00	140.20	9.10	*******	*******	*******	
25	*******	*******	*******	136.00	149.65	180.50	98.35	155.95	10.40	*******	*******	*******	
26	*******	*******	*******	143.35	142.30	229.50	95.50	148.60	10.40	*******	*******	*******	
27	*******	*******	*******	128.65	146.50	151.75	105.00	182.90	10.40	*******	*******	*******	
28	*******	*******	*******	105.00	144.40	154.90	91.70	178.10	10.40	*******	*******	*******	
29	*******	*******	*******	77.45	150.70	145.45	87.90	157.00	10.40	*******		*******	
30	*******	*******	*******	69.30	175.70	111.00	84.10	159.30	10.40	*******		*******	
31		*******		72.90	205.75		103.10		10.80	*******		*******	
TOTAL	*******	*******	*******	2336.75	3717.65	5686.50	2949.30	4329.15	1822.90	*******	*******	*******	******** CMSDAY
MEAN	*******	*******	*******	75.38	119.92	189.55	95.14	144.31	58.80	*******	*******	*******	******** CMS
MAX	*******	*******	*******	143.35	205.75	280.50	192.50	203.30	163.90	*******	*******	*******	280.50 CMS
MIN	*******	*******	*******	36.70	50.20	111.00	25.65	91.70	7.00	*******	*******	*******	******** CMS
RUNOFF	*******	*******	*******	201.895	321.205	491.314	254.820	374.039	157.499	*******	*******	*******	******** MCM

MOMENTARY PEAK 294.80 CMS, AT 4.31 M (A.D), AT 6.00 HOURS, ON SEP 9, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

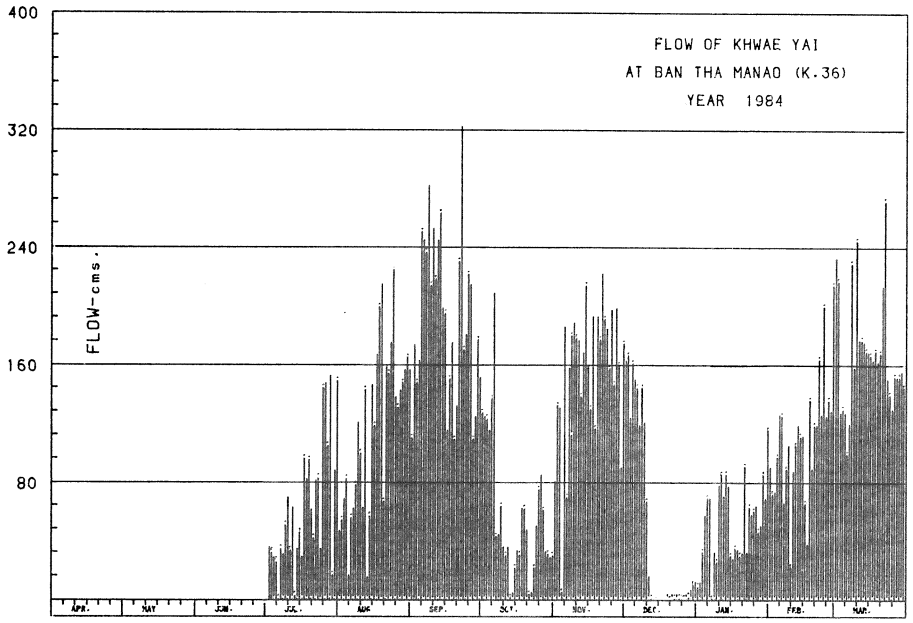
KHWAE YAI AT BAN THA MANAO, KANCHANABURI (K.36)

LOCATION	LAT. 14-09-48 N., LONG. 99-16-38 E., ON LEFT BANK AT BAN THA MANAO, AMPHOE MUANG KANCHANABURI.
DRAINAGE AREA	11,787 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.888 M.(A.D.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	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. STREAM GAGING BEGAN ON JUL.2, 1984. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	2.47	3.27	3.43	2.93	3.70	1.81	3.04	4.19	
2	*******	*******	*******	2.29	2.61	3.78	3.39	3.47	3.74	1.82	2.85	4.10	
3	*******	*******	*******	2.28	2.78	3.60	3.40	3.44	3.38	2.27	2.84	3.41	
4	*******	*******	*******	2.17	2.98	3.70	3.30	1.71	3.70	2.62	3.14	3.45	
5	*******	*******	*******	2.17	1.93	4.32	3.51	3.87	3.60	2.81	3.40	3.41	
6	*******	*******	*******	1.57	2.63	4.27	4.03	2.82	3.57	2.78	3.41	3.16	
7	*******	*******	*******	2.31	2.69	4.23	2.44	3.66	3.33	1.55	2.74	3.34	
8	*******	*******	*******	2.21	2.93	4.50	2.43	3.84	3.57	2.23	3.05	4.18	
9	*******	*******	*******	2.56	3.35	4.08	2.74	3.89	3.35	2.15	3.20	3.66	
10	*******	*******	*******	2.79	3.17	4.32	2.29	3.83	2.78	2.90	2.09	4.28	
11	*******	*******	*******	2.29	2.70	4.11	2.23	3.80	1.91	3.01	3.01	3.80	
12	*******	*******	*******	2.70	3.56	4.27	2.29	3.52	1.56	2.80	3.22	3.82	
13	*******	*******	*******	1.65	1.90	4.40	1.58	3.74	1.51	3.01	3.33	3.79	
14	*******	*******	*******	2.27	2.65	3.96	1.62	4.08	1.48	2.89	3.28	3.76	
15	*******	*******	*******	2.49	3.57	3.95	2.08	3.67	1.47	2.22	3.26	3.74	
16	*******	*******	*******	2.18	3.35	3.30	2.25	3.45	1.47	2.15	2.76	3.74	
17	*******	*******	*******	3.13	3.73	3.62	2.24	3.92	1.47	2.31	2.32	3.70	
18	*******	*******	*******	2.95	3.98	3.79	2.69	3.33	1.55	2.26	3.50	3.76	
19	*******	*******	*******	3.12	4.07	3.26	2.72	3.92	1.59	2.23	3.03	3.69	
20	*******	*******	*******	2.68	2.78	3.45	2.48	3.82	1.52	2.22	3.35	3.75	
21	*******	*******	*******	2.43	3.67	4.19	1.66	4.12	1.59	3.07	3.33	4.06	
22	*******	*******	*******	2.94	3.65	4.74	1.63	3.92	1.58	2.23	3.72	4.45	
23	*******	*******	*******	2.99	3.79	3.77	2.08	3.86	1.58	2.73	3.40	3.60	
24	*******	*******	*******	2.27	4.15	3.83	2.52	3.67	1.59	2.63	3.98	3.53	
25	*******	*******	*******	3.57	3.50	4.13	2.89	3.95	1.57	2.69	3.39	3.43	
26	*******	*******	*******	3.58	3.46	4.07	2.99	3.59	1.56	2.71	3.50	3.63	
27	*******	*******	*******	3.22	3.54	3.26	2.70	3.96	1.58	2.49	3.42	3.61	
28	*******	*******	*******	3.62	3.60	3.39	2.24	3.69	1.63	2.52	4.08	3.63	
29	*******	*******	*******	1.98	3.65	3.82	2.25	3.04	1.69	3.01		3.64	
30	*******	*******	*******	3.02	3.73	3.61	2.17	3.80	1.84	2.78		3.57	
31		*******		3.61	3.65		2.23		1.83	3.32		3.71	
MEAN	*******	*******	*******	*******	3.23	3.90	2.53	3.61	2.20	2.52	3.20	3.73	
MAX	*******	*******	*******	3.62	4.15	4.74	4.03	4.12	3.74	3.32	4.08	4.45	4.74
MIN	*******	*******	*******	*******	1.90	3.26	1.58	1.71	1.47	1.55	2.09	3.16	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.90 M (A.D), AT 20.00 HOURS, ON NOV 21, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.13 M (A.D)
LEFT BANK ELEVATION 8.89 M (A.D)
RIGHT BANK ELEVATION 7.51 M (A.D), DRAINAGE AREA 11787 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	*******	47.05	112.35	129.60	80.55	163.00	11.45	90.10	232.50	
2	*******	*******	*******	35.90	56.70	173.80	124.95	134.40	168.40	11.90	74.25	219.00	
3	*******	*******	*******	35.30	69.00	150.00	126.00	130.80	123.90	34.70	73.50	127.20	
4	*******	*******	*******	28.85	84.80	163.00	115.50	7.40	163.00	57.40	99.30	132.00	
5	*******	*******	*******	28.85	16.85	252.70	139.20	185.95	150.00	71.25	126.00	127.20	
6	*******	*******	*******	3.40	58.10	244.85	208.85	72.00	146.40	69.00	127.20	101.20	
7	*******	*******	*******	37.10	62.30	238.65	45.10	157.80	118.65	3.00	66.00	119.70	
8	*******	*******	*******	31.10	80.55	282.00	44.45	181.90	146.40	32.30	91.00	231.00	
9	*******	*******	*******	53.20	120.75	216.10	66.00	188.65	120.75	27.75	105.00	157.80	
10	*******	*******	*******	69.75	102.15	252.70	35.90	180.55	69.00	78.00	24.50	246.40	
11	*******	*******	*******	35.90	63.00	220.50	32.30	176.50	15.95	87.40	87.40	176.50	
12	*******	*******	*******	63.00	145.20	244.85	35.90	140.40	3.20	70.50	107.10	179.20	
13	*******	*******	*******	5.50	15.50	265.50	3.60	168.40	2.20	87.40	118.65	175.15	
14	*******	*******	*******	34.70	59.50	198.70	4.60	216.10	1.80	77.25	113.40	171.10	
15	*******	*******	*******	48.35	146.40	197.25	24.00	159.10	1.70	31.70	111.30	168.40	
16	*******	*******	*******	29.40	120.75	115.50	33.50	132.00	1.70	27.75	67.50	168.40	
17	*******	*******	*******	98.35	167.05	152.60	32.90	192.90	1.70	37.10	37.70	163.00	
18	*******	*******	*******	82.25	201.60	175.15	62.30	118.65	3.00	34.10	138.00	171.10	
19	*******	*******	*******	97.40	214.65	111.30	64.50	192.90	3.80	32.30	89.20	161.70	
20	*******	*******	*******	61.60	69.00	132.00	47.70	179.20	2.40	31.70	120.75	169.75	
21	*******	*******	*******	44.45	159.10	232.50	5.80	222.00	3.80	92.80	118.65	213.20	
22	*******	*******	*******	81.40	156.50	322.80	4.90	192.90	3.60	32.30	165.70	273.75	
23	*******	*******	*******	85.65	175.15	172.45	24.00	184.60	3.60	65.25	126.00	150.00	
24	*******	*******	*******	34.70	226.50	180.55	50.40	159.10	3.80	58.10	201.60	141.60	
25	*******	*******	*******	146.40	138.00	223.50	77.25	197.25	3.40	62.30	124.95	129.60	
26	*******	*******	*******	147.60	133.20	214.65	85.65	148.80	3.20	63.75	138.00	153.90	
27	*******	*******	*******	107.10	142.80	111.30	63.00	198.70	3.60	48.35	128.40	151.30	
28	*******	*******	*******	152.60	150.00	124.95	32.90	161.70	4.90	50.40	216.10	153.90	
29	*******	*******	*******	19.10	156.50	179.20	33.50	90.10	6.70	87.40		155.20	
30	*******	*******	*******	88.30	167.05	151.30	28.85	176.50	12.80	69.00		146.40	
31		*******		151.30	156.50		32.30		12.35	117.60		164.35	
TOTAL	*******	*******	*******	*******	3662.20	5812.70	1815.40	4727.80	1468.70	1661.20	3087.25	5231.50	******** CMSDAY
MEAN	*******	*******	*******	*******	118.14	193.76	58.56	157.59	47.38	53.59	110.26	168.76	******** CMS
MAX	*******	*******	*******	152.60	226.50	322.80	208.85	222.00	168.40	117.60	216.10	273.75	322.80 CMS
MIN	*******	*******	*******	*******	15.50	111.30	3.60	7.40	1.70	3.00	24.50	101.20	******** CMS
RUNOFF	*******	*******	*******	*******	316.414	502.217	156.851	408.482	126.896	143.528	266.738	452.002	******** MCM

MOMENTARY PEAK 350.50 CMS, AT 4.90 M (A.D), AT 20.00 HOURS, ON NOV 21, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 29.74 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

MAE KLONG RIVER BASIN

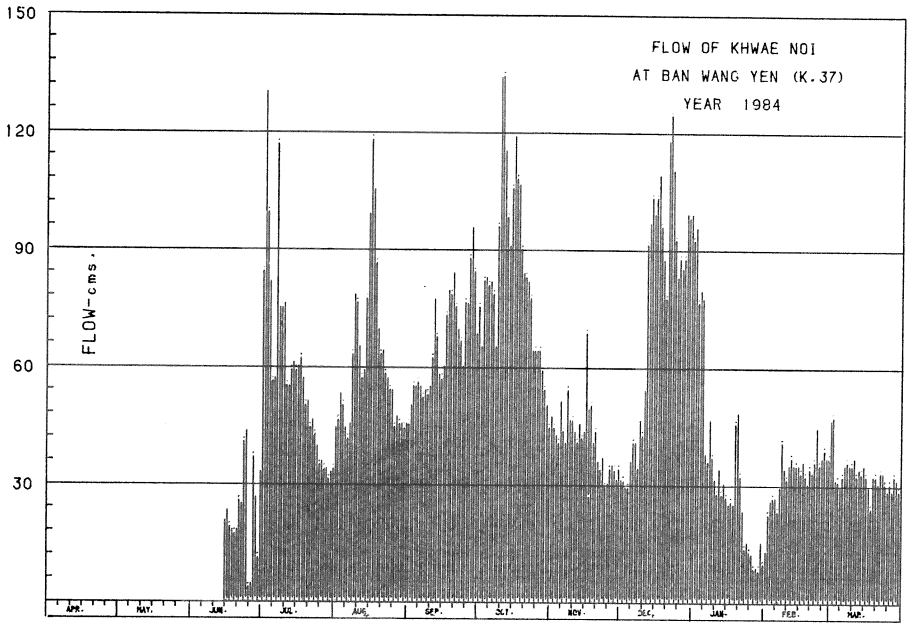
KHWAE NOI AT BAN WANG YEN, KANCHANABURI (K37)

LOCATION	LAT. 13-55-57 N., LONG. 99-25-37 E., ON LEFT BANK AT BAN WANG YEN, AMPHOE MUANG, KANCHANABURI.
DRAINAGE AREA	10,603 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+9.150 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STREAM GAGING BEGAN ON JUN.15, 1984. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	3.18	2.79	2.81	3.10	2.82	2.65	3.25	2.43	2.81	
2	*******	*******	*******	3.55	2.82	2.85	3.00	2.80	2.66	3.27	2.56	2.83	
3	*******	*******	*******	3.31	2.88	2.91	3.16	2.77	2.63	3.11	2.59	2.65	
4	*******	*******	*******	3.15	2.86	2.90	3.16	2.76	2.64	3.13	2.61	2.66	
5	*******	*******	*******	2.92	2.79	2.92	3.15	2.86	2.70	3.12	2.60	2.63	
6	*******	*******	*******	2.92	2.77	2.90	3.15	2.79	2.76	2.72	2.57	2.67	
7	*******	*******	*******	3.45	2.80	2.88	3.13	2.75	2.75	2.71	2.63	2.69	
8	*******	*******	*******	3.09	2.99	2.89	3.00	2.90	2.69	2.81	2.76	2.71	
9	*******	*******	*******	3.10	3.12	2.89	3.28	2.81	2.81	2.72	2.68	2.69	
10	*******	*******	*******	3.10	3.11	2.90	3.58	2.82	2.78	2.65	2.66	2.70	
11	*******	*******	*******	2.91	3.00	2.98	3.59	2.78	2.89	2.62	2.69	2.71	
12	*******	*******	*******	2.90	2.93	3.11	3.43	2.76	3.24	2.68	2.72	2.67	
13	*******	*******	*******	2.95	2.94	3.03	3.30	2.80	3.28	2.62	2.69	2.68	
14	*******	*******	*******	2.96	3.12	2.93	3.23	2.77	3.34	2.64	2.70	2.68	
15	*******	*******	2.53	2.95	3.30	2.93	3.36	2.78	3.30	2.61	2.69	2.69	
16	*******	*******	2.56	2.95	3.46	2.95	3.46	3.04	3.34	2.58	2.68	2.67	
17	*******	*******	2.52	2.98	3.35	3.08	3.38	2.84	3.38	2.60	2.70	2.63	
18	*******	*******	2.50	2.92	3.20	3.13	3.36	2.86	3.28	2.58	2.67	2.58	
19	*******	*******	2.50	2.86	3.04	3.13	3.23	2.75	3.20	2.81	2.64	2.66	
20	*******	*******	2.50	2.86	2.99	3.17	3.17	2.79	3.12	2.83	2.69	2.67	
21	*******	*******	2.60	2.80	2.99	3.10	3.17	2.70	3.45	2.67	2.67	2.64	
22	*******	*******	2.58	2.81	2.94	3.04	3.15	2.69	3.51	2.56	2.71	2.68	
23	*******	*******	2.76	2.78	2.92	3.02	3.12	2.71	3.39	2.45	2.79	2.67	
24	*******	*******	2.78	2.74	2.90	2.95	2.99	2.64	3.25	2.46	2.70	2.65	
25	*******	*******	2.30	2.70	2.89	3.11	3.00	2.64	3.16	2.44	2.71	2.62	
26	*******	*******	2.30	2.70	2.80	3.10	2.99	2.69	3.21	2.42	2.74	2.65	
27	*******	*******	2.72	2.69	2.82	3.21	3.00	2.69	3.18	2.38	2.71	2.62	
28	*******	*******	2.60	2.68	2.81	3.27	2.94	2.69	3.21	2.37	2.72	2.67	
29	*******	*******	2.42	2.66	2.80	3.18	2.90	2.65	3.30	2.38		2.65	
30	*******	*******	2.67	2.67	2.80	3.03	2.85	2.69	3.30	2.46		2.63	
31		*******		2.69	2.80		2.80		3.30	2.40		2.69	
MEAN	*******	*******	*******	2.93	2.96	3.01	3.17	2.77	3.09	2.68	2.67	2.67	
MAX	*******	*******	2.78	3.55	3.46	3.27	3.59	3.04	3.51	3.27	2.79	2.83	3.59
MIN	*******	*******	*******	2.66	2.77	2.81	2.80	2.64	2.63	2.37	2.43	2.58	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.60 M (A.D), AT 18.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.75 M (A.D)
LEFT BANK ELEVATION 9.04 M (A.D)
RIGHT BANK ELEVATION 10.43 M (A.D), DRAINAGE AREA 10603 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	85.26	44.64	46.56	76.30	47.52	31.40	93.35	13.11	46.56	
2	*******	*******	*******	130.35	47.52	50.40	65.30	45.60	32.32	95.69	23.48	48.48	
3	*******	*******	*******	100.44	53.28	56.21	83.02	42.72	29.56	77.42	25.97	31.40	
4	*******	*******	*******	81.90	51.36	55.20	83.02	41.76	30.48	79.66	27.72	32.32	
5	*******	*******	*******	57.22	44.64	57.22	81.90	51.36	36.00	78.54	26.80	29.56	
6	*******	*******	*******	57.22	42.72	55.20	81.90	44.64	41.76	37.92	24.31	33.24	
7	*******	*******	*******	117.80	45.60	53.28	79.66	40.80	40.80	36.96	29.56	35.08	
8	*******	*******	*******	75.20	64.29	54.24	65.30	55.20	35.08	46.56	41.76	36.96	
9	*******	*******	*******	76.30	78.54	54.24	96.86	46.56	46.56	37.92	34.16	35.08	
10	*******	*******	*******	76.30	77.42	55.20	134.16	47.52	43.68	31.40	32.32	36.00	
11	*******	*******	*******	56.21	65.30	63.28	135.43	43.68	54.24	28.64	35.08	36.96	
12	*******	*******	*******	55.20	58.23	77.42	115.32	41.76	92.18	34.16	37.92	33.24	
13	*******	*******	*******	60.25	59.24	68.60	99.20	45.60	96.86	28.64	35.08	34.16	
14	*******	*******	*******	61.26	78.54	58.23	91.01	42.72	104.16	30.48	36.00	34.16	
15	*******	*******	20.99	60.25	99.20	58.23	106.64	43.68	99.20	27.72	35.08	35.08	
16	*******	*******	23.48	60.25	119.04	60.25	119.04	69.70	104.16	25.14	34.16	33.24	
17	*******	*******	20.16	63.28	105.40	74.10	109.12	49.44	109.12	26.80	36.00	29.56	
18	*******	*******	18.50	57.22	87.50	79.66	106.64	51.36	96.86	25.14	33.24	25.14	
19	*******	*******	18.50	51.36	69.70	79.66	91.01	40.80	87.50	46.56	30.48	32.32	
20	*******	*******	18.50	51.36	64.29	84.14	84.14	44.64	78.54	48.48	35.08	33.24	
21	*******	*******	26.80	45.60	64.29	76.30	84.14	36.00	117.80	33.24	33.24	30.48	
22	*******	*******	25.14	46.56	59.24	69.70	81.90	35.08	125.27	23.48	36.96	34.16	
23	*******	*******	41.76	43.68	57.22	67.50	78.54	36.96	110.36	14.65	44.64	33.24	
24	*******	*******	43.68	39.84	55.20	60.25	64.29	30.48	93.35	15.42	36.00	31.40	
25	*******	*******	4.70	36.00	54.24	77.42	65.30	30.48	83.02	13.88	36.96	28.64	
26	*******	*******	4.70	36.00	45.60	76.30	64.29	35.08	88.67	12.34	39.84	31.40	
27	*******	*******	37.92	35.08	47.52	88.67	65.30	35.08	85.26	9.58	36.96	28.64	
28	*******	*******	26.80	34.16	46.56	95.69	59.24	35.08	88.67	8.97	37.92	33.24	
29	*******	*******	12.34	32.32	45.60	85.26	55.20	31.40	99.20	9.58		31.40	
30	*******	*******	33.24	33.24	45.60	68.60	50.40	35.08	99.20	15.42		29.56	
31		*******		35.08	45.60		45.60		99.20	10.80		35.08	
TOTAL	*******	*******	*******	1852.19	1923.12	2007.01	2619.17	1277.78	2380.46	1104.54	929.83	1039.02	******** CMSDAY
MEAN	*******	*******	*******	59.75	62.04	66.90	84.49	42.59	76.79	35.63	33.21	33.52	******** CMS
MAX	*******	*******	43.68	130.35	119.04	95.69	135.43	69.70	125.27	95.69	44.64	48.48	135.43 CMS
MIN	*******	*******	*******	32.32	42.72	46.56	45.60	30.48	29.56	8.97	13.11	25.14	******** CMS
RUNOFF	*******	*******	*******	160.029	166.158	173.406	226.296	110.400	205.672	95.432	80.337	89.771	******** MCM

MOMENTARY PEAK 136.70 CMS, AT 3.60 M (A.D), AT 18.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

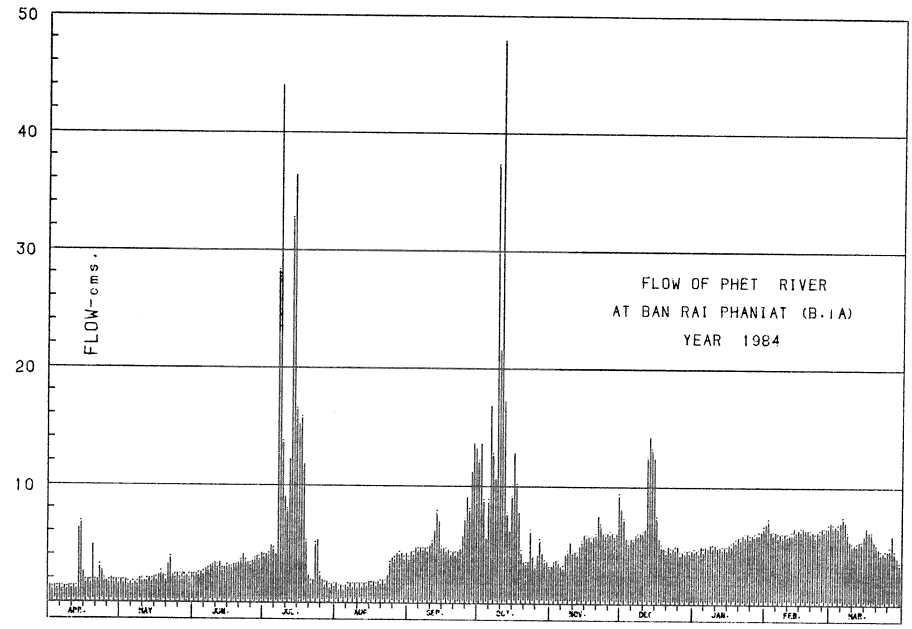
PHETCHABURI RIVER AT BAN RAI PHANIAT, PHETCHABURI (B.1A)

LOCATION	LAT. 13-04-22 N., LONG. 99-56-37 E., ON LEFT BANK, NEXT TO MUANG THAMON REGULATOR, BAN RAI PHANIAT, TAMBON BAN MO, AMPHOE MUANG, PHETCHABURI.
DRAINAGE AREA	4,188 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.060 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+4.667 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1916 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967 - 1971.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967 - 1971.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET DIVERSION DAM FOR IRRIGATION ABOUT 27,800 HECTARES ABOVE GAGE SITE. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE DURING 1965, 1967 - 1968, 1970.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.87	0.92	0.96	1.08	0.90	1.07	1.55	1.01	1.33	1.12	1.25	1.26	
2	0.86	0.92	0.96	1.08	0.88	1.10	1.62	1.04	1.28	1.11	1.28	1.25	
3	0.87	0.92	0.97	1.09	0.88	1.10	1.38	1.05	1.17	1.11	1.21	1.24	
4	0.87	0.91	0.97	1.13	0.87	1.12	1.17	1.05	1.16	1.13	1.21	1.25	
5	0.87	0.90	0.98	1.12	0.88	1.12	1.38	1.01	1.17	1.12	1.21	1.26	
6	0.87	0.91	0.99	1.08	0.90	1.12	1.77	1.02	1.17	1.13	1.20	1.29	
7	0.86	0.90	1.00	2.23	0.90	1.12	1.58	1.08	1.19	1.14	1.20	1.26	
8	0.86	0.91	1.01	2.73	0.90	1.12	1.47	1.11	1.20	1.14	1.20	1.21	
9	0.87	0.93	1.02	1.63	0.90	1.12	2.53	1.15	1.20	1.14	1.20	1.16	
10	0.87	0.93	1.03	1.39	0.90	1.13	1.97	1.11	1.21	1.14	1.20	1.15	
11	0.87	0.91	1.02	1.33	0.90	1.16	2.84	1.10	1.22	1.14	1.19	1.14	
12	0.87	0.93	1.03	1.55	0.90	1.21	1.79	1.10	1.57	1.13	1.21	1.15	
13	1.22	0.93	1.00	2.38	0.90	1.32	1.31	1.13	1.65	1.13	1.23	1.16	
14	1.26	0.93	1.00	2.50	0.90	1.26	1.21	1.16	1.60	1.13	1.23	1.16	
15	0.97	0.94	1.02	1.76	0.91	1.13	1.40	1.19	1.56	1.13	1.22	1.19	
16	0.92	0.94	1.01	1.70	0.91	1.12	1.58	1.19	1.29	1.14	1.23	1.23	
17	0.92	0.95	1.01	1.73	0.91	1.12	1.45	1.18	1.17	1.15	1.23	1.21	
18	0.92	0.98	1.02	1.53	0.90	1.11	1.31	1.18	1.14	1.16	1.24	1.21	
19	1.13	0.95	1.02	1.16	0.91	1.10	1.11	1.18	1.12	1.17	1.22	1.16	
20	0.92	0.94	1.03	0.95	0.92	1.10	1.04	1.20	1.11	1.18	1.22	1.14	
21	0.92	1.02	1.05	0.92	0.92	1.10	1.04	1.29	1.13	1.18	1.21	1.12	
22	1.02	1.07	1.08	0.92	0.92	1.10	1.04	1.25	1.12	1.19	1.20	1.11	
23	0.98	0.95	1.05	1.15	0.95	1.13	1.22	1.20	1.12	1.20	1.21	1.10	
24	0.93	0.96	1.03	1.16	1.04	1.18	1.07	1.20	1.13	1.20	1.22	1.11	
25	0.91	0.96	1.03	0.97	1.06	1.28	1.02	1.20	1.13	1.19	1.23	1.11	
26	0.92	0.96	1.04	0.92	1.07	1.39	1.08	1.21	1.10	1.19	1.23	1.13	
27	0.93	0.96	1.06	0.91	1.09	1.33	1.17	1.20	1.10	1.20	1.23	1.19	
28	0.92	0.96	1.07	0.91	1.10	1.50	1.09	1.20	1.11	1.19	1.25	1.11	
29	0.92	0.95	1.07	0.89	1.09	1.62	1.05	1.20	1.11	1.21		1.07	
30	0.92	0.96	1.09	0.89	1.07	1.60	1.04	1.41	1.11	1.21		1.04	
31		0.96		0.90	1.09		1.01		1.11	1.24		1.05	
MEAN	0.93	0.94	1.02	1.34	0.95	1.20	1.40	1.15	1.22	1.16	1.22	1.17	
MAX	1.26	1.07	1.09	2.73	1.10	1.62	2.84	1.41	1.65	1.24	1.28	1.29	2.84
MIN	0.86	0.90	0.96	0.89	0.87	1.07	1.01	1.01	1.10	1.11	1.19	1.04	0.86

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.99 M (MSL), AT 6.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION -0.06 M (MSL), RIVER BED -0.52 M (MSL)
LEFT BANK ELEVATION 5.22 M (MSL)
RIGHT BANK ELEVATION 5.06 M (MSL), DRAINAGE AREA 4188 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	1.96	2.48	4.12	1.70	3.98	12.20	3.14	8.08	4.72	6.80	6.96	
2	1.34	1.96	2.48	4.12	1.52	4.40	13.60	3.56	7.28	4.56	7.28	6.80	
3	1.43	1.96	2.61	4.26	1.52	4.40	8.88	3.70	5.52	4.56	6.16	6.64	
4	1.43	1.83	2.61	4.88	1.43	4.72	5.52	3.70	5.36	4.88	6.16	6.80	
5	1.43	1.70	2.74	4.72	1.52	4.72	8.88	3.14	5.52	4.72	6.16	6.96	
6	1.43	1.83	2.87	4.12	1.70	4.72	16.81	3.28	5.52	4.88	6.00	7.44	
7	1.34	1.70	3.00	28.37	1.70	4.72	12.80	4.12	5.84	5.04	6.00	6.96	
8	1.34	1.83	3.14	44.05	1.70	4.72	10.60	4.56	6.00	5.04	6.00	6.16	
9	1.43	2.09	3.28	13.80	1.70	4.72	37.36	5.20	6.00	5.04	6.00	5.36	
10	1.43	2.09	3.42	9.04	1.70	4.88	21.55	4.56	6.16	5.04	6.00	5.20	
11	1.43	1.83	3.28	8.08	1.70	5.36	47.90	4.40	6.32	5.04	5.84	5.04	
12	1.43	2.09	3.42	12.20	1.70	6.16	17.27	4.40	12.60	4.88	6.16	5.20	
13	6.32	2.09	3.00	32.80	1.70	7.92	7.76	4.88	14.20	4.88	6.48	5.36	
14	6.96	2.09	3.00	36.40	1.70	6.96	6.16	5.36	13.20	4.88	6.48	5.36	
15	2.61	2.22	3.28	16.58	1.83	4.88	9.20	5.84	12.40	4.88	6.32	5.84	
16	1.96	2.22	3.14	15.20	1.83	4.72	12.80	5.84	7.44	5.04	6.48	6.48	
17	1.96	2.35	3.14	15.89	1.83	4.72	10.20	5.68	5.52	5.20	6.48	6.16	
18	1.96	2.74	3.28	11.80	1.70	4.56	7.76	5.68	5.04	5.36	6.64	6.16	
19	4.88	2.35	3.28	5.36	1.83	4.40	4.56	5.68	4.72	5.52	6.32	5.36	
20	1.96	2.22	3.42	2.35	1.96	4.40	3.56	6.00	4.56	5.68	6.32	5.04	
21	1.96	3.28	3.70	1.96	1.96	4.40	3.56	7.44	4.88	5.68	6.16	4.72	
22	3.28	3.98	4.12	1.96	1.96	4.40	3.56	6.80	4.72	5.84	6.00	4.56	
23	2.74	2.35	3.70	5.20	2.35	4.88	6.32	6.00	4.72	6.00	6.16	4.40	
24	2.09	2.48	3.42	5.36	3.56	5.68	3.98	6.00	4.88	6.00	6.32	4.56	
25	1.83	2.48	3.42	2.61	3.84	7.28	3.28	6.00	4.88	5.84	6.48	4.56	
26	1.96	2.48	3.56	1.96	3.98	9.04	4.12	6.16	4.40	5.84	6.48	4.88	
27	2.09	2.48	3.84	1.83	4.26	8.08	5.52	6.00	4.40	6.00	6.48	5.84	
28	1.96	2.48	3.98	1.83	4.40	11.20	4.26	6.00	4.56	5.84	6.80	4.56	
29	1.96	2.35	3.98	1.61	4.26	13.60	3.70	6.00	4.56	6.16		3.98	
30	1.96	2.48	4.26	1.61	3.98	13.20	3.56	9.40	4.56	6.16		3.56	
31		2.48		1.70	4.26		3.14		4.56	6.64		3.70	
TOTAL	67.33	70.47	98.85	305.77	72.78	181.82	320.37	158.52	198.40	165.84	176.96	170.60	1987.71 CMSDAY
MEAN	2.24	2.27	3.29	9.86	2.35	6.06	10.33	5.28	6.40	5.35	6.32	5.50	5.45 CMS
MAX	6.96	3.98	4.26	44.05	4.40	13.60	47.90	9.40	14.20	6.64	7.28	7.44	47.90 CMS
MIN	1.34	1.70	2.48	1.61	1.43	3.98	3.14	3.14	4.40	4.56	5.84	3.56	1.34 CMS
RUNOFF	5.817	6.089	8.541	26.419	6.288	15.709	27.680	13.696	17.142	14.329	15.289	14.740	171.738 MCM

MOMENTARY PEAK 53.24 CMS, AT 2.99 M (MSL), AT 6.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD 1.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.71 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

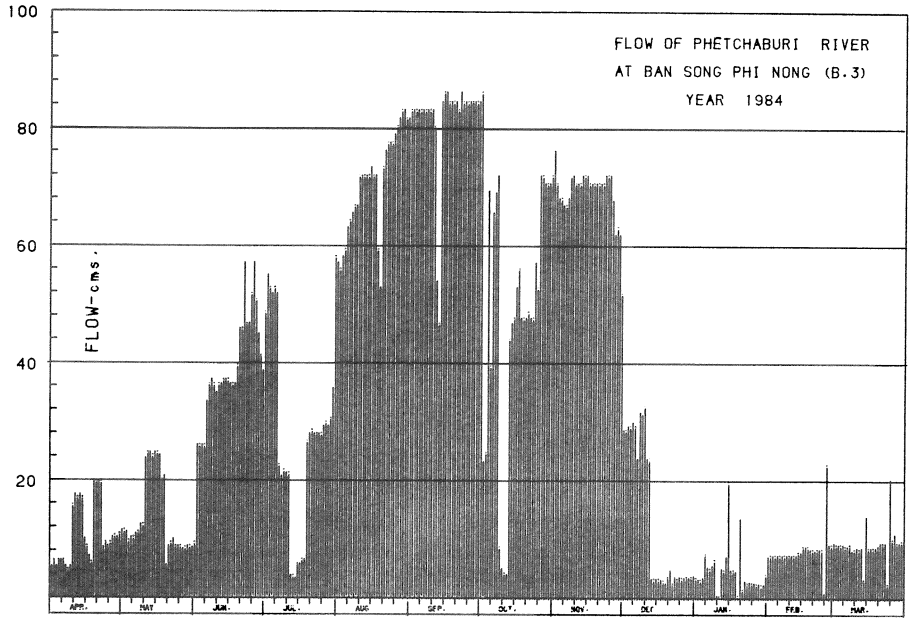
PHETCHABURI RIVER AT BAN SONG PHI NONG, PHETCHABURI (B.3)

LOCATION	LAT. 12-52-04 N., LONG. 99-40-40 E., ON LEFT BANK AT BAN SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+40.998 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+49.760 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1930 - 1942, 1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954 - 1959, 1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954 - 1959, 1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.FLOW REGULATED BY KAENG KRACHAN RESERVOIR. STAGE-DISCHARGE RELATION DEFINED BY 13 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.16	42.39	42.32	43.01	43.09	43.29	43.31	43.24	42.76	42.08	42.23	42.32	
2	42.20	42.39	42.72	43.07	43.08	43.29	42.67	43.20	42.76	42.06	42.24	42.31	
3	42.16	42.38	42.72	43.05	43.10	43.29	42.70	43.18	42.77	42.06	42.24	42.31	
4	42.20	42.33	42.72	43.04	43.11	43.29	43.19	43.18	42.77	42.08	42.24	42.31	
5	42.20	42.35	42.72	43.05	43.14	43.29	42.91	43.17	42.78	42.25	42.24	42.31	
6	42.20	42.35	42.83	43.04	43.15	43.29	43.16	43.17	42.77	42.16	42.24	42.30	
7	42.16	42.37	42.87	42.66	43.16	43.29	43.19	43.18	42.68	42.15	42.24	42.30	
8	42.14	42.38	42.88	42.62	43.17	43.29	43.21	43.21	42.81	42.17	42.24	42.31	
9	42.16	42.42	42.87	42.64	43.17	43.29	42.30	43.21	42.80	42.21	42.24	42.27	
10	42.51	42.42	42.85	42.63	43.21	43.29	42.15	43.20	42.82	41.83	42.24	42.28	
11	42.55	42.68	42.87	42.63	43.21	43.27	42.12	43.20	42.68	41.80	42.24	42.29	
12	42.54	42.70	42.87	42.10	43.21	43.06	42.11	43.20	42.68	42.15	42.24	42.28	
13	42.55	42.70	42.88	42.10	43.21	42.99	42.96	43.21	42.07	42.14	42.24	42.29	
14	42.54	42.69	42.88	42.07	43.21	43.30	42.99	43.21	42.07	42.23	42.26	42.06	
15	42.34	42.70	42.88	42.18	43.22	43.31	43.00	43.21	42.07	42.60	42.26	42.46	
16	42.30	42.70	42.87	42.18	43.21	43.31	43.05	43.20	42.07	42.14	42.30	42.29	
17	42.23	42.69	42.87	42.21	43.21	43.30	43.08	43.20	42.06	42.14	42.30	42.29	
18	42.19	42.61	42.87	42.21	43.11	43.30	43.00	43.20	42.05	42.13	42.30	42.29	
19	42.60	42.62	42.91	42.73	43.05	43.30	43.00	43.20	42.02	41.84	42.28	42.29	
20	42.60	42.17	42.98	42.75	43.22	43.30	43.00	43.20	42.09	42.45	42.28	42.30	
21	42.60	42.30	42.98	42.76	43.24	43.29	43.01	43.20	42.14	41.95	42.27	42.32	
22	42.60	42.32	43.09	42.75	43.25	43.31	43.00	43.20	42.02	42.04	42.28	42.32	
23	42.29	42.34	42.99	42.75	43.25	43.30	43.00	43.21	42.09	42.02	42.28	42.32	
24	42.32	42.30	42.99	42.75	43.25	43.30	43.09	43.21	42.07	42.03	42.28	42.01	
25	42.30	42.30	43.04	42.75	43.26	43.30	43.05	43.21	42.09	42.02	41.90	42.61	
26	42.32	42.30	43.09	42.77	43.27	43.30	43.21	43.18	42.08	42.02	42.66	42.34	
27	42.35	42.28	43.03	42.78	43.28	43.30	43.21	43.13	42.08	42.01	42.31	42.37	
28	42.36	42.29	42.97	42.77	43.29	43.30	43.20	43.14	42.09	42.01	42.31	42.32	
29	42.35	42.30	42.93	42.79	43.29	43.30	43.20	43.13	42.08	42.00		42.32	
30	42.37	42.30	42.90	42.86	43.28	43.30	43.20	43.04	42.09	42.00		42.33	
31		42.29		43.10	43.28		43.21		42.10	42.11		42.33	
MEAN	42.34	42.43	42.88	42.67	43.20	43.28	42.95	43.19	42.34	42.09	42.26	42.30	
MAX	42.60	42.70	43.09	43.10	43.29	43.31	43.31	43.24	42.82	42.60	42.66	42.61	43.31
MIN	42.14	42.17	42.32	42.07	43.05	42.99	42.11	43.04	42.02	41.80	41.90	42.01	41.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 43.32 M (MSL), AT 6.00 HOURS, ON SEP 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 41.00 M (MSL), RIVER BED 40.63 M (MSL)
LEFT BANK ELEVATION 44.61 M (MSL)
RIGHT BANK ELEVATION 46.03 M (MSL), DRAINAGE AREA 2244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.45	11.64	9.54	48.84	57.24	83.32	86.36	76.32	28.77	3.67	7.20	9.54	
2	6.45	11.64	26.17	55.14	56.19	83.32	23.40	70.75	28.77	3.37	7.45	9.24	
3	5.45	11.34	26.17	53.04	58.29	83.32	24.90	68.25	29.42	3.37	7.45	9.24	
4	6.45	9.84	26.17	51.99	59.50	83.32	69.50	68.25	29.42	3.67	7.45	9.24	
5	6.45	10.44	26.17	53.04	63.25	83.32	39.72	67.00	30.07	7.70	7.45	9.24	
6	6.45	10.44	33.60	51.99	64.50	83.32	65.75	67.00	29.42	5.45	7.45	8.95	
7	5.45	11.04	36.60	22.90	65.75	83.32	69.50	68.25	23.90	5.20	7.45	8.95	
8	4.95	11.34	37.35	20.90	67.00	83.32	72.12	72.12	32.10	5.70	7.45	9.24	
9	5.45	12.63	36.60	21.90	67.00	83.32	8.95	72.12	31.37	6.70	7.45	8.20	
10	15.86	12.63	35.10	21.40	72.12	83.32	5.20	70.75	32.85	0.64	7.45	8.45	
11	17.66	23.90	36.60	21.40	72.12	80.52	4.45	70.75	23.90	0.49	7.45	8.70	
12	17.21	24.90	36.60	3.97	72.12	54.09	4.20	70.75	23.90	5.20	7.45	8.45	
13	17.66	24.90	37.35	3.97	72.12	46.92	44.22	72.12	3.52	4.95	7.45	8.70	
14	17.21	24.40	37.35	3.52	72.12	84.72	46.92	72.12	3.52	7.20	7.95	3.37	
15	10.14	24.90	37.35	5.95	73.52	86.36	47.82	72.12	3.52	19.91	7.95	14.03	
16	8.95	24.90	36.60	5.95	72.12	86.36	53.04	70.75	3.52	4.95	8.95	8.70	
17	7.20	24.40	36.60	6.70	72.12	84.72	56.19	70.75	3.37	4.95	8.95	8.70	
18	6.20	20.40	36.60	6.70	59.50	84.72	47.82	70.75	3.22	4.70	8.95	8.70	
19	19.91	20.90	39.72	26.82	53.04	84.72	47.82	70.75	2.77	0.69	8.45	8.70	
20	19.91	5.70	46.02	28.12	73.52	84.72	47.82	70.75	3.82	13.68	8.45	8.95	
21	19.91	8.95	46.02	28.77	76.32	83.32	48.84	70.75	4.95	1.72	8.20	9.54	
22	19.91	9.54	57.24	28.12	77.72	86.36	47.82	70.75	2.77	3.07	8.45	9.54	
23	8.70	10.14	46.92	28.12	77.72	84.72	47.82	72.12	3.82	2.77	8.45	9.54	
24	9.54	8.95	46.92	28.12	77.72	84.72	57.24	72.12	3.52	2.92	8.45	2.62	
25	8.95	8.95	51.99	28.12	79.12	84.72	53.04	72.12	3.82	2.77	0.99	20.40	
26	9.54	8.95	57.24	29.42	80.52	84.72	72.12	68.25	3.67	2.77	22.90	10.14	
27	10.44	8.45	50.94	30.07	81.92	84.72	72.12	62.00	3.67	2.62	9.24	11.04	
28	10.74	8.70	45.12	29.42	83.32	84.72	70.75	63.25	3.82	2.62	9.24	9.54	
29	10.44	8.95	41.52	30.72	83.32	84.72	70.75	62.00	3.67	2.47		9.54	
30	11.04	8.95	38.85	35.85	81.92	84.72	70.75	51.99	3.82	2.47		9.84	
31		8.70		58.29	81.92		72.12		3.97	4.20		9.84	
TOTAL	329.67	431.51	1157.02	869.26	2204.66	2458.49	1549.07	2077.77	412.65	142.59	232.17	288.87	12153.73 CMSDAY
MEAN	10.99	13.92	38.57	28.04	71.12	81.95	49.97	69.26	13.31	4.60	8.29	9.32	33.30 CMS
MAX	19.91	24.90	57.24	58.29	83.32	86.36	86.36	76.32	32.85	19.91	22.90	20.40	86.36 CMS
MIN	4.95	5.70	9.54	3.52	53.04	46.92	4.20	51.99	2.77	0.49	0.99	2.62	0.49 CMS
RUNOFF	28.483	37.282	99.967	75.104	190.483	212.414	133.840	179.519	35.653	12.320	20.059	24.958	1050.082 MCM

MOMENTARY PEAK 88.06 CMS, AT 43.32 M (MSL), AT 6.00 HOURS, ON SEP 15, 1984

RUNOFF YIELD 14.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 39.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

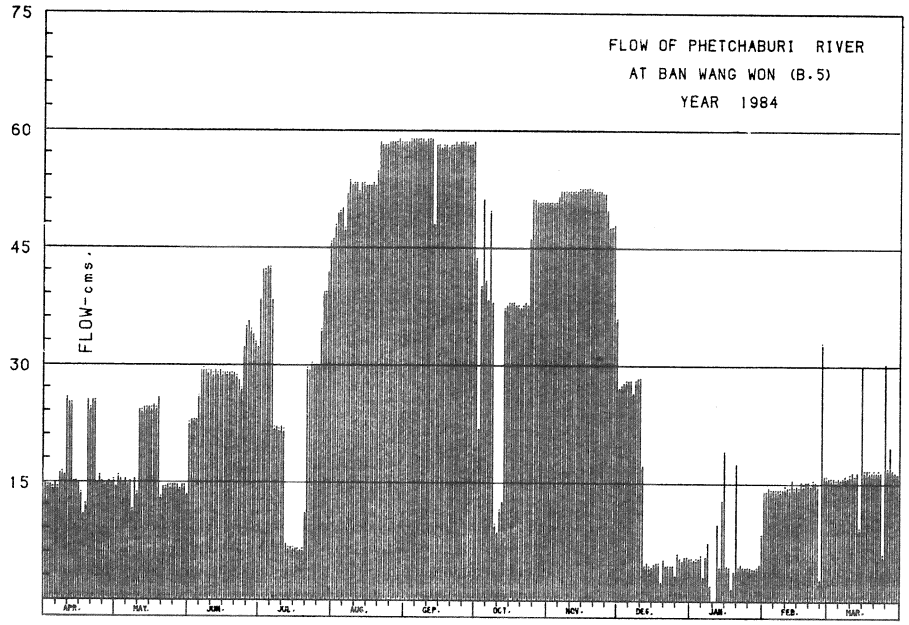
PHETCHABURI RIVER AT BAN WANG WON, PHETCHABURI (B.5)

LOCATION	LAT. 12-54-40 N., LONG. 99-38-38 E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM KAENG KRACHAN RESERVOIR, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,207 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+48.485 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	BEHIND THE STATION OFFICE.
ELEVATION	+59.967 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	48.71	48.69	49.00	49.49	49.70	50.04	49.63	49.83	49.14	48.28	48.67	48.74	
2	48.70	48.75	49.01	49.59	49.75	50.04	48.97	49.83	49.15	48.27	48.67	48.74	
3	48.70	48.73	49.01	49.59	49.79	50.05	49.53	49.83	49.16	48.28	48.69	48.74	
4	48.69	48.71	49.01	49.60	49.80	50.05	49.84	49.83	49.17	48.28	48.68	48.73	
5	48.71	48.73	49.11	49.60	49.81	50.05	49.55	49.85	49.17	48.30	48.68	48.74	
6	48.69	48.70	49.21	49.48	49.74	50.05	49.48	49.87	49.17	48.15	48.68	48.73	
7	48.76	48.72	49.22	48.98	49.86	50.05	49.80	49.87	49.12	48.29	48.68	48.74	
8	48.77	48.57	49.21	48.98	49.91	50.05	49.47	49.87	49.17	48.38	48.68	48.75	
9	48.75	48.73	49.21	48.97	49.90	50.04	48.49	49.87	49.18	48.08	48.68	48.74	
10	49.10	48.66	49.21	48.98	49.90	50.05	48.44	49.87	49.18	47.67	48.70	48.76	
11	49.08	49.05	49.20	48.97	49.90	50.05	48.57	49.87	48.80	47.68	48.69	48.77	
12	49.08	49.05	49.21	48.37	49.87	50.05	48.61	49.87	48.23	48.49	48.69	48.75	
13	48.72	49.06	49.20	48.35	49.90	49.75	49.45	49.87	48.25	48.22	48.73	48.77	
14	48.72	49.06	49.21	48.35	49.90	50.03	49.46	49.88	48.23	48.62	48.69	48.47	
15	48.71	49.06	49.20	48.35	49.89	50.03	49.47	49.88	48.22	48.87	48.70	49.23	
16	48.66	49.06	49.20	48.34	49.89	50.02	49.47	49.88	48.24	48.23	48.69	48.78	
17	48.54	49.07	49.20	48.34	49.89	50.03	49.47	49.88	48.25	48.22	48.72	48.78	
18	48.60	49.06	49.20	48.33	49.90	50.03	49.46	49.88	48.25	48.05	48.71	48.78	
19	49.09	49.10	49.20	48.34	49.89	50.02	49.46	49.88	48.11	48.19	48.72	48.77	
20	49.06	48.64	49.20	48.55	49.94	50.03	49.45	49.87	48.27	48.81	48.72	48.78	
21	49.09	48.69	49.19	49.22	50.04	50.03	49.46	49.87	48.23	48.22	48.70	48.77	
22	49.09	48.69	49.17	49.21	50.03	50.04	49.47	49.87	48.23	48.24	48.73	48.78	
23	48.71	48.70	49.14	49.24	50.03	50.03	49.46	49.87	48.23	48.22	48.72	48.77	
24	48.75	48.70	49.30	49.23	50.03	50.04	49.70	49.86	48.23	48.22	48.71	48.31	
25	48.72	48.70	49.38	49.23	50.04	50.04	49.84	49.86	48.16	48.22	48.13	49.24	
26	48.71	48.70	49.40	49.23	50.04	50.04	49.84	49.80	48.31	48.22	49.32	48.79	
27	48.71	48.70	49.37	49.37	50.04	50.04	49.83	49.74	48.28	48.21	48.75	48.89	
28	48.72	48.68	49.35	49.51	50.04	50.03	49.83	49.74	48.26	48.21	48.75	48.78	
29	48.71	48.70	49.32	49.51	50.05	50.03	49.83	49.75	48.29	48.22		48.77	
30	48.73	48.70	49.30	49.58	50.04	50.04	49.83	49.41	48.29	48.24		48.76	
31		48.65		49.69	50.04		49.83		48.28	48.43		48.76	
MEAN	48.79	48.80	49.20	49.05	49.92	50.03	49.45	49.84	48.56	48.26	48.70	48.77	
MAX	49.10	49.10	49.40	49.69	50.05	50.05	49.84	49.88	49.18	48.87	49.32	49.24	50.05
MIN	48.54	48.57	49.00	48.33	49.70	49.75	48.44	49.41	48.11	47.67	48.13	48.31	47.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 50.12 M (MSL), AT 15.00 HOURS, ON SEP 30, 1984
ZERO GAGE AT BOTTOM ELEVATION 48.48 M (MSL), RIVER BED 47.06 M (MSL)
LEFT BANK ELEVATION 59.03 M (MSL)
RIGHT BANK ELEVATION 54.16 M (MSL), DRAINAGE AREA 2207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	14.95	14.46	22.70	38.66	46.10	58.52	43.58	50.78	27.08	6.08	13.98	15.70	
2	14.70	15.95	23.01	42.15	47.90	58.52	21.86	50.78	27.40	5.92	13.98	15.70	
3	14.70	15.45	23.01	42.15	49.34	58.90	40.05	50.78	27.72	6.08	14.46	15.70	
4	14.46	14.95	23.01	42.50	49.70	58.90	51.14	50.78	28.04	6.08	14.22	15.45	
5	14.95	15.45	26.12	42.50	50.06	58.90	40.75	51.50	28.04	6.40	14.22	15.70	
6	14.46	14.70	29.33	38.32	47.54	58.90	38.32	52.22	28.04	4.20	14.22	15.45	
7	16.20	15.20	29.66	22.14	51.86	58.90	49.70	52.22	26.44	6.24	14.22	15.70	
8	16.45	11.61	29.33	22.14	53.67	58.90	37.98	52.22	28.04	7.68	14.22	15.95	
9	15.95	15.45	29.33	21.86	53.30	58.52	9.80	52.22	28.36	3.36	14.22	15.70	
10	25.80	13.74	29.33	22.14	53.30	58.90	8.80	52.22	28.36	0.28	14.70	16.20	
11	25.18	24.25	29.00	21.86	53.30	58.90	11.61	52.22	17.20	0.32	14.46	16.45	
12	25.18	24.25	29.33	7.52	52.22	58.90	12.54	52.22	5.28	9.80	14.46	15.95	
13	15.20	24.56	29.00	7.20	53.30	47.90	37.30	52.22	5.60	5.12	15.45	16.45	
14	15.20	24.56	29.33	7.20	53.30	58.14	37.64	52.58	5.28	12.78	14.46	9.40	
15	14.95	24.56	29.00	7.20	52.94	58.14	37.98	52.58	5.12	19.09	14.70	29.99	
16	13.74	24.56	29.00	7.04	52.94	57.76	37.98	52.58	5.44	5.28	14.46	16.70	
17	10.92	24.87	29.00	7.04	52.94	58.14	37.98	52.58	5.60	5.12	15.20	16.70	
18	12.30	24.56	29.00	6.88	53.30	58.14	37.64	52.58	5.60	3.00	14.95	16.70	
19	25.49	25.80	29.00	7.04	52.94	57.76	37.64	52.58	3.72	4.68	15.20	16.45	
20	24.56	13.26	29.00	11.15	54.78	58.14	37.30	52.22	5.92	17.47	15.20	16.70	
21	25.49	14.46	28.68	29.66	58.52	58.14	37.64	52.22	5.28	5.12	14.70	16.45	
22	25.49	14.46	28.04	29.33	58.14	58.52	37.98	52.22	5.28	5.44	15.45	16.70	
23	14.95	14.70	27.08	30.32	58.14	58.14	37.64	52.22	5.28	5.12	15.20	16.45	
24	15.95	14.70	32.30	29.99	58.14	58.52	46.10	51.86	5.28	5.12	14.95	6.56	
25	15.20	14.70	34.94	29.99	58.52	58.52	51.14	51.86	4.32	5.12	3.96	30.32	
26	14.95	14.70	35.60	29.99	58.52	58.52	51.14	49.70	6.56	5.12	32.96	16.95	
27	14.95	14.70	34.61	34.61	58.52	58.52	50.78	47.54	6.08	4.96	15.95	19.63	
28	15.20	14.22	33.95	39.35	58.52	58.14	50.78	47.54	5.76	4.96	15.95	16.70	
29	14.95	14.70	32.96	39.35	58.90	58.14	50.78	47.90	6.24	5.12		16.45	
30	15.45	14.70	32.30	41.80	58.52	58.52	50.78	35.94	6.24	5.44		16.20	
31		13.50		45.74	58.52		50.78		6.08	8.60		16.20	
TOTAL	517.92	541.73	875.95	804.82	1677.69	1743.46	1183.13	1529.08	404.68	195.10	420.10	517.35	10411.01 CMSDAY
MEAN	17.26	17.48	29.20	25.96	54.12	58.12	38.17	50.97	13.05	6.29	15.00	16.69	28.52 CMS
MAX	25.80	25.80	35.60	45.74	58.90	58.90	51.14	52.58	28.36	19.09	32.96	30.32	58.90 CMS
MIN	10.92	11.61	22.70	6.88	46.10	47.90	8.80	35.94	3.72	0.28	3.96	6.56	0.28 CMS
RUNOFF	44.748	46.805	75.682	69.536	144.952	150.635	102.222	132.113	34.964	16.857	36.297	44.699	899.511 MCM

MOMENTARY PEAK 61.56 CMS, AT 50.12 M (MSL), AT 15.00 HOURS, ON SEP 30, 1984

RUNOFF YIELD 12.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 27.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

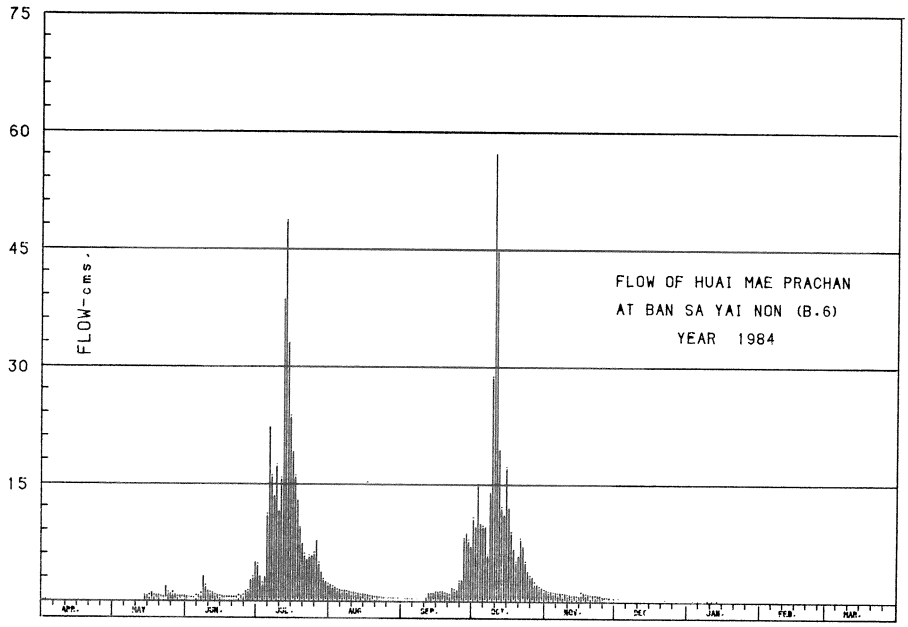
HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION	LAT. 12-55-56 N., LONG. 99-47-05 E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	1,015 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+22.711 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+30.274 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1941 - 1942, 1961 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1961 - 1962, 1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1961 - 1962, 1964 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 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.29	23.26	23.42	23.92	23.69	23.37	24.24	23.59	23.37	23.30	23.26	23.23	
2	23.29	23.26	23.40	23.80	23.67	23.37	24.18	23.57	23.38	23.30	23.26	23.23	
3	23.29	23.26	23.40	23.72	23.64	23.37	24.41	23.55	23.36	23.29	23.26	23.22	
4	23.29	23.26	23.39	23.79	23.61	23.37	24.20	23.54	23.35	23.29	23.27	23.22	
5	23.29	23.25	23.45	24.26	23.60	23.36	24.19	23.53	23.35	23.29	23.27	23.22	
6	23.29	23.25	23.44	24.64	23.58	23.36	24.18	23.52	23.35	23.29	23.27	23.22	
7	23.28	23.25	23.52	24.45	23.58	23.36	24.00	23.52	23.35	23.29	23.26	23.22	
8	23.28	23.25	23.80	24.35	23.57	23.35	24.37	23.51	23.34	23.29	23.26	23.22	
9	23.26	23.25	23.68	24.50	23.55	23.35	24.79	23.50	23.33	23.29	23.25	23.22	
10	23.26	23.25	23.56	24.27	23.53	23.35	25.19	23.49	23.33	23.29	23.25	23.22	
11	23.26	23.24	23.54	24.44	23.53	23.48	25.05	23.47	23.32	23.28	23.25	23.21	
12	23.26	23.24	23.52	24.96	23.52	23.51	24.56	23.45	23.32	23.28	23.25	23.21	
13	23.26	23.25	23.48	25.10	23.50	23.51	24.30	23.46	23.32	23.28	23.25	23.21	
14	23.26	23.50	23.45	24.87	23.49	23.51	24.25	23.45	23.32	23.28	23.25	23.22	
15	23.26	23.43	23.45	24.68	23.49	23.55	24.49	23.43	23.32	23.28	23.24	23.22	
16	23.26	23.47	23.43	24.55	23.48	23.54	24.29	23.55	23.32	23.28	23.24	23.21	
17	23.26	23.51	23.42	24.45	23.47	23.56	24.15	23.52	23.32	23.27	23.24	23.21	
18	23.26	23.46	23.42	24.33	23.45	23.55	24.03	23.50	23.32	23.27	23.23	23.21	
19	23.27	23.45	23.42	24.18	23.44	23.53	23.94	23.48	23.32	23.27	23.23	23.21	
20	23.29	23.45	23.42	24.07	23.43	23.51	23.98	23.47	23.32	23.27	23.23	23.21	
21	23.30	23.43	23.42	24.00	23.43	23.49	24.11	23.46	23.32	23.26	23.23	23.21	
22	23.30	23.42	23.42	23.95	23.42	23.63	24.05	23.46	23.32	23.26	23.23	23.21	
23	23.29	23.65	23.46	23.99	23.41	23.61	23.94	23.45	23.32	23.26	23.23	23.21	
24	23.29	23.54	23.43	23.98	23.40	23.58	23.85	23.44	23.31	23.26	23.23	23.21	
25	23.28	23.48	23.47	24.01	23.39	23.75	23.81	23.42	23.31	23.26	23.23	23.21	
26	23.27	23.54	23.55	24.09	23.39	23.75	23.79	23.41	23.31	23.26	23.23	23.21	
27	23.27	23.46	23.59	23.93	23.39	24.11	23.73	23.41	23.31	23.26	23.23	23.21	
28	23.27	23.43	23.75	23.84	23.39	24.14	23.69	23.40	23.31	23.26	23.23	23.21	
29	23.26	23.43	23.80	23.77	23.38	24.10	23.66	23.39	23.30	23.26		23.21	
30	23.26	23.43	23.93	23.73	23.38	24.05	23.63	23.38	23.30	23.26		23.21	
31		23.43		23.71	23.37		23.61		23.30	23.26		23.21	
MEAN	23.28	23.38	23.52	24.21	23.49	23.57	24.15	23.48	23.33	23.28	23.25	23.22	
MAX	23.30	23.65	23.93	25.10	23.69	24.14	25.19	23.59	23.38	23.30	23.27	23.23	25.19
MIN	23.26	23.24	23.39	23.71	23.37	23.35	23.61	23.38	23.30	23.26	23.23	23.21	23.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 25.22 M (MSL), AT 6.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 22.71 M (MSL), RIVER BED 22.08 M (MSL)
LEFT BANK ELEVATION 32.73 M (MSL)
RIGHT BANK ELEVATION 32.83 M (MSL), DRAINAGE AREA 1015 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.12	0.60	4.84	2.14	0.41	10.80	1.45	0.41	0.20	0.12	0.06	
2	0.18	0.12	0.51	3.21	2.00	0.41	9.52	1.36	0.44	0.20	0.12	0.06	
3	0.18	0.12	0.51	2.41	1.79	0.41	15.01	1.26	0.38	0.18	0.12	0.04	
4	0.18	0.12	0.47	3.11	1.58	0.41	9.92	1.21	0.35	0.18	0.14	0.04	
5	0.18	0.10	0.76	11.24	1.51	0.38	9.72	1.16	0.35	0.18	0.14	0.04	
6	0.18	0.10	0.71	22.20	1.41	0.38	9.52	1.10	0.35	0.18	0.14	0.04	
7	0.16	0.10	1.10	16.13	1.41	0.38	6.12	1.10	0.35	0.18	0.12	0.04	
8	0.16	0.10	3.21	13.43	1.36	0.35	13.95	1.05	0.32	0.18	0.12	0.04	
9	0.12	0.10	2.07	17.53	1.26	0.35	28.78	1.01	0.29	0.18	0.10	0.04	
10	0.12	0.10	1.31	11.46	1.16	0.35	57.15	0.96	0.29	0.18	0.10	0.04	
11	0.12	0.08	1.21	15.85	1.16	0.91	44.93	0.86	0.26	0.16	0.10	0.02	
12	0.12	0.08	1.10	38.57	1.10	1.05	19.39	0.76	0.26	0.16	0.10	0.02	
13	0.12	0.10	0.91	48.69	1.01	1.05	12.13	0.81	0.26	0.16	0.10	0.02	
14	0.12	1.01	0.76	33.03	0.96	1.05	11.02	0.76	0.26	0.16	0.10	0.04	
15	0.12	0.66	0.76	23.76	0.96	1.26	17.25	0.66	0.26	0.16	0.08	0.04	
16	0.12	0.86	0.66	19.08	0.91	1.21	11.90	1.26	0.26	0.16	0.08	0.02	
17	0.12	1.05	0.60	16.13	0.86	1.31	8.92	1.10	0.26	0.14	0.08	0.02	
18	0.12	0.81	0.60	12.91	0.76	1.26	6.66	1.01	0.26	0.14	0.06	0.02	
19	0.14	0.76	0.60	9.52	0.71	1.16	5.16	0.91	0.26	0.14	0.06	0.02	
20	0.18	0.76	0.60	7.38	0.66	1.05	5.80	0.86	0.26	0.14	0.06	0.02	
21	0.20	0.66	0.60	6.12	0.66	0.96	8.12	0.81	0.26	0.12	0.06	0.02	
22	0.20	0.60	0.60	5.32	0.60	1.72	7.02	0.81	0.26	0.12	0.06	0.02	
23	0.18	1.86	0.81	5.96	0.56	1.58	5.16	0.76	0.26	0.12	0.06	0.02	
24	0.18	1.21	0.66	5.80	0.51	1.41	3.86	0.71	0.23	0.12	0.06	0.02	
25	0.16	0.91	0.86	6.30	0.47	2.71	3.34	0.60	0.23	0.12	0.06	0.02	
26	0.14	1.21	1.26	7.74	0.47	2.71	3.11	0.56	0.23	0.12	0.06	0.02	
27	0.14	0.81	1.45	5.00	0.47	8.12	2.51	0.56	0.23	0.12	0.06	0.02	
28	0.14	0.66	2.71	3.73	0.47	8.72	2.14	0.51	0.23	0.12	0.06	0.02	
29	0.12	0.66	3.21	2.91	0.44	7.92	1.93	0.47	0.20	0.12		0.02	
30	0.12	0.66	5.00	2.51	0.44	7.02	1.72	0.44	0.20	0.12		0.02	
31		0.66		2.31	0.41		1.58		0.20	0.12		0.02	
TOTAL	4.50	17.15	36.21	384.18	30.21	58.01	354.14	26.88	8.66	4.68	2.52	0.90	928.04 CMSDAY
MEAN	0.15	0.55	1.21	12.39	0.97	1.93	11.42	0.90	0.28	0.15	0.09	0.03	2.54 CMS
MAX	0.20	1.86	5.00	48.69	2.14	8.72	57.15	1.45	0.44	0.20	0.14	0.06	57.15 CMS
MIN	0.12	0.08	0.47	2.31	0.41	0.35	1.58	0.44	0.20	0.12	0.06	0.02	0.02 CMS
RUNOFF	0.389	1.482	3.129	33.193	2.610	5.012	30.598	2.322	0.748	0.404	0.218	0.078	80.183 MCM

MOMENTARY PEAK 60.44 CMS, AT 25.22 M (MSL), AT 6.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD 2.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 59.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

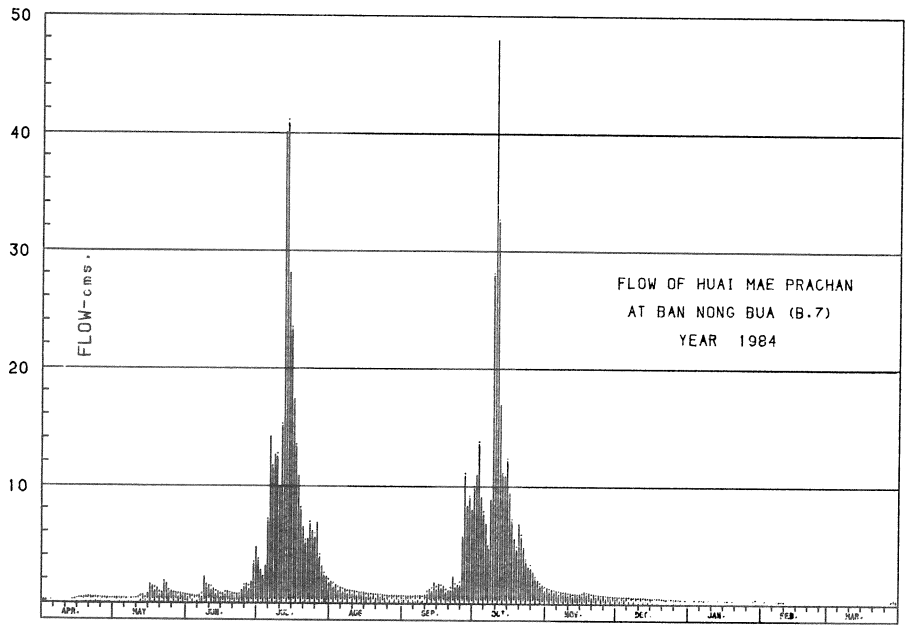
HUAI MAE PRACHAN AT BAN NONG BUA, PHETCHABURI (B.7)

LOCATION	LAT. 13-01-45 N., LONG. 99-44-00 E., ON LEFT BANK AT BAN NONG BUA, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	846 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+10.495 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1981, 1984 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1981, 1984 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD.STAGE-DISCHARGE RELATION DEFINED BY 103 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	0.97	1.09	1.65	1.37	1.07	2.27	1.27	1.05	0.95	0.94	0.85	
2	0.89	0.97	1.07	1.52	1.35	1.06	2.35	1.25	1.05	0.95	0.92	0.86	
3	0.89	0.97	1.06	1.44	1.32	1.06	2.57	1.23	1.05	0.94	0.92	0.86	
4	0.89	0.97	1.04	1.57	1.29	1.06	2.19	1.22	1.05	0.94	0.92	0.85	
5	0.89	0.97	1.05	2.02	1.27	1.06	2.08	1.20	1.04	0.94	0.91	0.85	
6	0.88	0.96	1.06	2.60	1.25	1.08	1.98	1.19	1.04	0.94	0.91	0.85	
7	0.88	0.96	1.13	2.41	1.23	1.07	1.79	1.18	1.03	0.93	0.90	0.84	
8	0.87	0.96	1.43	2.48	1.21	1.07	2.17	1.17	1.03	0.93	0.90	0.84	
9	0.87	0.96	1.32	2.49	1.21	1.06	3.43	1.17	1.02	0.93	0.90	0.84	
10	0.87	0.97	1.30	2.26	1.20	1.09	4.37	1.15	1.02	0.93	0.90	0.84	
11	0.87	1.00	1.29	2.68	1.19	1.20	3.66	1.14	1.02	0.93	0.90	0.84	
12	0.88	1.06	1.23	4.01	1.18	1.23	2.79	1.13	1.02	0.93	0.89	0.83	
13	0.91	1.07	1.19	4.06	1.16	1.27	2.36	1.13	1.01	0.93	0.90	0.83	
14	0.93	1.00	1.16	3.43	1.16	1.35	2.34	1.12	1.00	0.92	0.90	0.83	
15	0.95	1.11	1.13	3.18	1.16	1.30	2.46	1.12	0.99	0.92	0.90	0.83	
16	0.98	1.32	1.12	2.82	1.14	1.33	2.22	1.15	0.99	0.92	0.89	0.82	
17	0.98	1.29	1.17	2.55	1.13	1.32	2.02	1.18	0.99	0.92	0.88	0.83	
18	0.99	1.27	1.17	2.34	1.13	1.30	1.85	1.16	0.99	0.92	0.90	0.84	
19	1.00	1.24	1.15	2.11	1.12	1.24	1.78	1.15	0.99	0.92	0.90	0.84	
20	1.02	1.17	1.13	1.95	1.12	1.20	1.98	1.13	0.98	0.93	0.89	0.84	
21	1.00	1.15	1.12	1.84	1.11	1.28	1.89	1.12	0.97	0.92	0.89	0.86	
22	1.00	1.37	1.11	1.85	1.11	1.44	1.77	1.11	0.96	0.92	0.88	0.88	
23	1.00	1.33	1.12	2.00	1.10	1.34	1.65	1.10	0.97	0.92	0.88	0.87	
24	0.99	1.21	1.20	1.92	1.09	1.32	1.56	1.10	0.97	0.92	0.88	0.87	
25	0.98	1.17	1.32	1.90	1.08	1.37	1.59	1.09	0.96	0.91	0.88	0.86	
26	0.98	1.15	1.33	1.99	1.07	1.87	1.50	1.08	0.96	0.91	0.87	0.86	
27	0.98	1.14	1.31	1.70	1.08	2.36	1.44	1.07	0.96	0.91	0.87	0.88	
28	0.97	1.13	1.36	1.57	1.08	2.12	1.39	1.06	0.95	0.92	0.86	0.91	
29	0.96	1.12	1.62	1.49	1.08	2.20	1.35	1.06	0.95	0.96		0.96	
30	0.97	1.11	1.77	1.44	1.07	2.09	1.32	1.06	0.94	0.95		0.93	
31		1.10		1.41	1.07		1.29		0.94	0.94		0.92	
MEAN	0.94	1.10	1.22	2.22	1.17	1.36	2.11	1.14	1.00	0.93	0.90	0.86	
MAX	1.02	1.37	1.77	4.06	1.37	2.36	4.37	1.27	1.05	0.96	0.94	0.96	4.37
MIN	0.87	0.96	1.04	1.41	1.07	1.06	1.29	1.06	0.94	0.91	0.86	0.82	0.82

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.54 M (A.D), AT 17.00 HOURS, ON OCT 10, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.06 M (A.D)
LEFT BANK ELEVATION 10.67 M (A.D)
RIGHT BANK ELEVATION 6.29 M (A.D), DRAINAGE AREA 846 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.43	0.73	3.80	1.89	0.68	10.04	1.38	0.62	0.37	0.35	0.13	
2	0.22	0.43	0.68	2.84	1.78	0.65	11.00	1.30	0.62	0.37	0.30	0.15	
3	0.22	0.43	0.65	2.31	1.61	0.65	13.81	1.22	0.62	0.35	0.30	0.15	
4	0.22	0.43	0.60	3.19	1.46	0.65	9.09	1.18	0.62	0.35	0.30	0.13	
5	0.22	0.43	0.62	7.22	1.38	0.65	7.88	1.10	0.60	0.35	0.28	0.13	
6	0.20	0.40	0.65	14.20	1.30	0.70	6.80	1.07	0.60	0.35	0.28	0.13	
7	0.20	0.40	0.85	11.73	1.22	0.68	4.97	1.03	0.57	0.33	0.25	0.10	
8	0.17	0.40	2.24	12.64	1.14	0.68	8.87	0.99	0.57	0.33	0.25	0.10	
9	0.17	0.40	1.61	12.77	1.14	0.65	28.13	0.99	0.55	0.33	0.25	0.10	
10	0.17	0.43	1.50	9.92	1.10	0.73	48.01	0.92	0.55	0.33	0.25	0.10	
11	0.17	0.50	1.46	15.32	1.07	1.10	32.70	0.89	0.55	0.33	0.25	0.10	
12	0.20	0.65	1.22	40.09	1.03	1.22	16.95	0.85	0.55	0.33	0.22	0.07	
13	0.28	0.68	1.07	41.18	0.96	1.38	11.12	0.85	0.52	0.33	0.25	0.07	
14	0.33	0.50	0.96	28.13	0.96	1.78	10.88	0.82	0.50	0.30	0.25	0.07	
15	0.37	0.79	0.85	23.54	0.96	1.50	12.38	0.82	0.48	0.30	0.25	0.07	
16	0.45	1.61	0.82	17.42	0.89	1.67	9.44	0.92	0.48	0.30	0.22	0.05	
17	0.45	1.46	0.99	13.55	0.85	1.61	7.22	1.03	0.48	0.30	0.20	0.07	
18	0.48	1.38	0.99	10.88	0.85	1.50	5.53	0.96	0.48	0.30	0.25	0.10	
19	0.50	1.26	0.92	8.21	0.82	1.26	4.88	0.92	0.48	0.30	0.25	0.10	
20	0.55	0.99	0.85	6.50	0.82	1.10	6.80	0.85	0.45	0.33	0.22	0.10	
21	0.50	0.92	0.82	5.43	0.79	1.42	5.91	0.82	0.43	0.30	0.22	0.15	
22	0.50	1.89	0.79	5.53	0.79	2.31	4.80	0.79	0.40	0.30	0.20	0.20	
23	0.50	1.67	0.82	7.00	0.75	1.72	3.80	0.75	0.43	0.30	0.20	0.17	
24	0.48	1.14	1.10	6.20	0.73	1.61	3.12	0.75	0.43	0.30	0.20	0.17	
25	0.45	0.99	1.61	6.00	0.70	1.89	3.33	0.73	0.40	0.28	0.20	0.15	
26	0.45	0.92	1.67	6.90	0.68	5.72	2.70	0.70	0.40	0.28	0.17	0.15	
27	0.45	0.89	1.55	4.20	0.70	11.12	2.31	0.68	0.40	0.28	0.17	0.20	
28	0.43	0.85	1.83	3.19	0.70	8.32	2.00	0.65	0.37	0.30	0.15	0.28	
29	0.40	0.82	3.56	2.64	0.70	9.20	1.78	0.65	0.37	0.40		0.40	
30	0.43	0.79	4.80	2.31	0.68	7.99	1.61	0.65	0.35	0.37		0.33	
31		0.75		2.11	0.68		1.46		0.35	0.35		0.30	
TOTAL	10.41	25.63	38.81	336.95	31.13	72.14	299.32	27.26	15.22	10.04	6.68	4.52	878.11 CMSDAY
MEAN	0.35	0.83	1.29	10.87	1.00	2.40	9.66	0.91	0.49	0.32	0.24	0.15	2.41 CMS
MAX	0.55	1.89	4.80	41.18	1.89	11.12	48.01	1.38	0.62	0.40	0.35	0.40	48.01 CMS
MIN	0.17	0.40	0.60	2.11	0.68	0.65	1.46	0.65	0.35	0.28	0.15	0.05	0.05 CMS
RUNOFF	0.899	2.214	3.353	29.112	2.690	6.233	25.861	2.355	1.315	0.867	0.577	0.391	75.869 MCM

MOMENTARY PEAK 52.06 CMS, AT 4.54 M (A.D), AT 17.00 HOURS, ON OCT 10, 1984

RUNOFF YIELD 2.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 61.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

PHETCHABURI RIVER BASIN

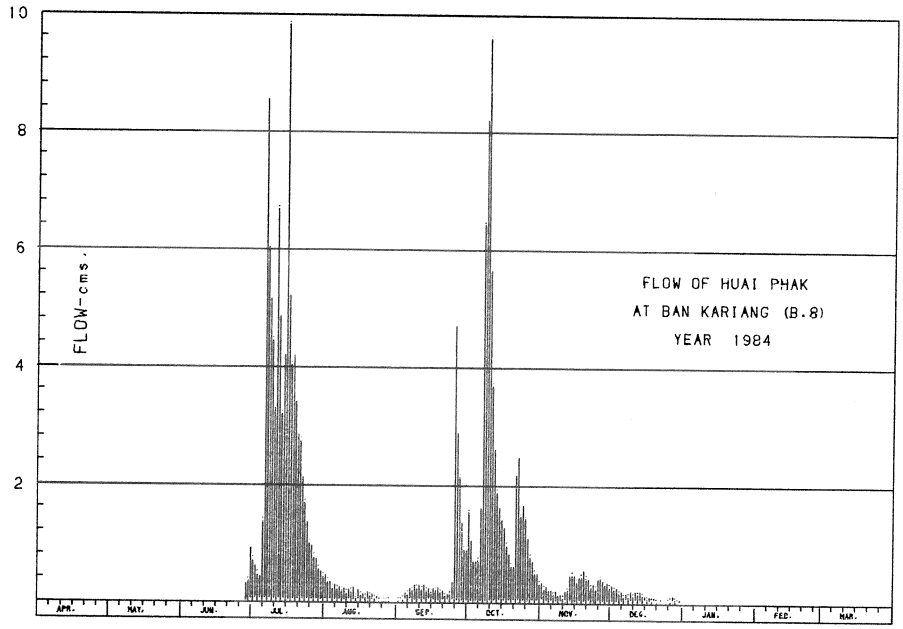
HUAI PHAK AT BAN KARIANG, PHETCHABURI (B.8)

LOCATION	LAT. 12-48-49 N., LONG. 99-41-32 E., ON LEFT BANK AT BAN KARIANG, TAMBON SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	264 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+8.879 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. FLOW EFFECTED BY THE WEIR. STAGE-DISCHARGE RELATION DEFINED BY 53 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.24	1.09	1.06	1.95	1.85	1.67	2.18	1.81	1.79	1.59	1.49	1.21	
2	1.23	1.09	1.07	1.90	1.83	1.67	2.04	1.79	1.78	1.58	1.46	1.15	
3	1.22	1.09	1.08	1.87	1.81	1.70	1.95	1.78	1.77	1.59	1.44	1.12	
4	1.21	1.09	1.09	1.84	1.79	1.72	1.93	1.77	1.75	1.59	1.43	1.11	
5	1.20	1.09	1.10	2.14	1.79	1.74	1.95	1.75	1.74	1.58	1.41	1.09	
6	1.19	1.09	1.11	3.41	1.78	1.76	2.19	1.74	1.72	1.60	1.40	1.01	
7	1.18	1.08	1.15	3.03	1.77	1.77	3.10	1.74	1.72	1.61	1.38	0.95	
8	1.17	1.08	1.14	2.89	1.77	1.79	3.36	1.73	1.73	1.61	1.37	0.96	
9	1.16	1.08	1.14	2.78	1.76	1.79	3.56	1.71	1.74	1.60	1.35	0.97	
10	1.15	1.07	1.15	2.57	1.75	1.79	2.97	1.71	1.73	1.59	1.36	0.97	
11	1.15	1.06	1.15	3.14	1.75	1.78	2.65	1.74	1.74	1.59	1.38	0.95	
12	1.14	1.06	1.16	2.84	1.76	1.79	2.43	1.77	1.74	1.58	1.39	0.92	
13	1.13	1.05	1.16	2.56	1.77	1.77	2.27	1.85	1.74	1.58	1.38	0.90	
14	1.12	1.06	1.16	2.73	1.71	1.76	2.19	1.87	1.73	1.57	1.37	0.90	
15	1.11	1.05	1.16	3.59	1.75	1.76	2.15	1.85	1.70	1.54	1.36	0.90	
16	1.11	1.05	1.20	2.90	1.73	1.76	2.10	1.83	1.70	1.52	1.35	0.89	
17	1.10	1.05	1.21	2.71	1.71	1.77	2.03	1.84	1.69	1.51	1.34	0.88	
18	1.12	1.06	1.23	2.73	1.71	1.77	1.97	1.86	1.68	1.46	1.33	0.88	
19	1.13	1.06	1.24	2.60	1.73	1.75	1.92	1.88	1.68	1.46	1.32	0.88	
20	1.12	1.07	1.27	2.48	1.72	1.74	1.90	1.85	1.67	1.47	1.31	0.87	
21	1.11	1.08	1.34	2.47	1.71	1.72	2.34	1.83	1.66	1.48	1.30	0.86	
22	1.11	1.08	1.38	2.32	1.70	1.71	2.40	1.80	1.66	1.47	1.29	0.84	
23	1.11	1.09	1.43	2.22	1.68	1.74	2.16	1.80	1.65	1.46	1.29	0.84	
24	1.10	1.08	1.47	2.12	1.66	1.81	2.20	1.79	1.65	1.47	1.28	0.83	
25	1.10	1.08	1.48	2.04	1.65	2.82	2.15	1.83	1.67	1.46	1.27	0.83	
26	1.10	1.09	1.48	2.01	1.66	2.49	2.05	1.85	1.69	1.48	1.25	0.82	
27	1.09	1.08	1.61	1.97	1.66	2.33	1.97	1.82	1.70	1.51	1.25	0.82	
28	1.09	1.07	1.80	1.94	1.67	2.12	1.93	1.82	1.69	1.52	1.24	0.83	
29	1.09	1.06	1.83	1.90	1.65	2.01	1.88	1.81	1.67	1.52		0.82	
30	1.09	1.06	2.00	1.87	1.63	1.99	1.86	1.80	1.65	1.51		0.83	
31		1.06		1.86	1.64		1.82		1.62	1.51		0.83	
MEAN	1.14	1.07	1.29	2.43	1.73	1.86	2.25	1.80	1.70	1.54	1.35	0.92	
MAX	1.24	1.09	2.00	3.59	1.85	2.82	3.56	1.88	1.79	1.61	1.49	1.21	3.59
MIN	1.09	1.05	1.06	1.84	1.63	1.67	1.82	1.71	1.62	1.46	1.24	0.82	0.82

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.42 M (A.D), AT 9.00 HOURS, ON JUL 6, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 7.00 M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 264 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.77	0.47	0.08	1.58	0.35	0.30	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.62	0.41	0.08	1.06	0.30	0.28	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.53	0.35	0.12	0.77	0.28	0.26	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.44	0.30	0.16	0.71	0.26	0.22	0.00	0.00	0.00	
5	0.00	0.00	0.00	1.43	0.30	0.20	0.77	0.22	0.20	0.00	0.00	0.00	
6	0.00	0.00	0.00	8.55	0.28	0.24	1.62	0.20	0.16	0.00	0.00	0.00	
7	0.00	0.00	0.00	6.03	0.26	0.26	6.47	0.20	0.16	0.01	0.00	0.00	
8	0.00	0.00	0.00	5.16	0.26	0.30	8.21	0.18	0.18	0.01	0.00	0.00	
9	0.00	0.00	0.00	4.50	0.24	0.30	9.64	0.14	0.20	0.00	0.00	0.00	
10	0.00	0.00	0.00	3.30	0.22	0.30	5.65	0.14	0.18	0.00	0.00	0.00	
11	0.00	0.00	0.00	6.73	0.22	0.28	3.74	0.20	0.20	0.00	0.00	0.00	
12	0.00	0.00	0.00	4.86	0.24	0.30	2.61	0.26	0.20	0.00	0.00	0.00	
13	0.00	0.00	0.00	3.25	0.26	0.26	1.93	0.47	0.20	0.00	0.00	0.00	
14	0.00	0.00	0.00	4.20	0.14	0.24	1.62	0.53	0.18	0.00	0.00	0.00	
15	0.00	0.00	0.00	9.87	0.22	0.24	1.47	0.47	0.12	0.00	0.00	0.00	
16	0.00	0.00	0.00	5.22	0.18	0.24	1.28	0.41	0.12	0.00	0.00	0.00	
17	0.00	0.00	0.00	4.08	0.14	0.26	1.03	0.44	0.11	0.00	0.00	0.00	
18	0.00	0.00	0.00	4.20	0.14	0.26	0.83	0.50	0.10	0.00	0.00	0.00	
19	0.00	0.00	0.00	3.46	0.18	0.22	0.68	0.56	0.10	0.00	0.00	0.00	
20	0.00	0.00	0.00	2.85	0.16	0.20	0.62	0.47	0.08	0.00	0.00	0.00	
21	0.00	0.00	0.00	2.80	0.14	0.16	2.22	0.41	0.07	0.00	0.00	0.00	
22	0.00	0.00	0.00	2.13	0.12	0.14	2.47	0.32	0.07	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.74	0.10	0.20	1.51	0.32	0.06	0.00	0.00	0.00	
24	0.00	0.00	0.00	1.36	0.07	0.35	1.66	0.30	0.06	0.00	0.00	0.00	
25	0.00	0.00	0.00	1.06	0.06	4.74	1.47	0.41	0.08	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.96	0.07	2.89	1.10	0.47	0.11	0.00	0.00	0.00	
27	0.00	0.00	0.01	0.83	0.07	2.18	0.83	0.38	0.12	0.00	0.00	0.00	
28	0.00	0.00	0.32	0.74	0.08	1.36	0.71	0.38	0.11	0.00	0.00	0.00	
29	0.00	0.00	0.41	0.62	0.06	0.96	0.56	0.35	0.08	0.00		0.00	
30	0.00	0.00	0.92	0.53	0.04	0.89	0.50	0.32	0.06	0.00		0.00	
31		0.00		0.50	0.05		0.38		0.02	0.00		0.00	
TOTAL	0.00	0.00	1.66	93.32	5.83	18.41	65.70	10.24	4.39	0.02	0.00	0.00	199.57 CMSDAY
MEAN	0.00	0.00	0.06	3.01	0.19	0.61	2.12	0.34	0.14	0.00	0.00	0.00	0.55 CMS
MAX	0.00	0.00	0.92	9.87	0.47	4.74	9.64	0.56	0.30	0.01	0.00	0.00	9.87 CMS
MIN	0.00	0.00	0.00	0.44	0.04	0.08	0.38	0.14	0.02	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.143	8.063	0.504	1.591	5.676	0.885	0.379	0.002	0.000	0.000	17.243 MCM

MOMENTARY PEAK 16.68 CMS, AT 4.42 M (A.D), AT 9.00 HOURS, ON JUL 6, 1984

RUNOFF YIELD 2.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 63.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

KHLONG KUI AT BAN PONG KASANG, PRACHUAP KHIRI KHAN (KY.2)

LOCATION — LAT. 12-06-55 N., LONG. 99-44-20 E., ON RIGHT BANK AT THE CULVERT OF THE LEFT IRRIGATION CANAL OF YANG CHUM PROJECT, BAN PONG KASANG, TAMBON HAT KHAM,AMPHOE KUI BURI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 92 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM — +0.00 M.(A.D.)

BENCH MARK — B.M.-H.D.

LOCATION — ON RIGHT BANK AT THE MEASURING LINE.

ELEVATION — +7.405 M.(A.D.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE.

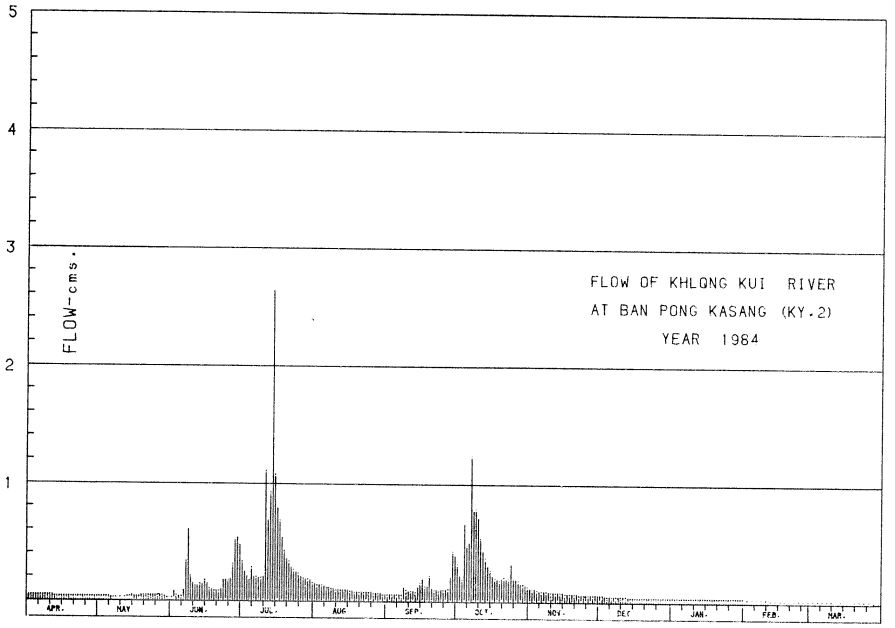
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 81 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.19	0.18	0.47	0.34	0.23	0.46	0.30	0.23	0.19	0.18	0.16	
2	0.21	0.19	0.26	0.42	0.33	0.23	0.40	0.30	0.23	0.19	0.18	0.16	
3	0.21	0.19	0.21	0.39	0.33	0.23	0.37	0.30	0.22	0.19	0.18	0.16	
4	0.21	0.19	0.20	0.36	0.33	0.23	0.62	0.28	0.22	0.19	0.17	0.16	
5	0.21	0.19	0.20	0.44	0.32	0.23	0.54	0.27	0.22	0.19	0.17	0.16	
6	0.21	0.18	0.27	0.39	0.31	0.23	0.55	0.27	0.21	0.19	0.17	0.16	
7	0.21	0.18	0.47	0.39	0.31	0.23	0.82	0.27	0.21	0.19	0.17	0.16	
8	0.21	0.18	0.60	0.38	0.30	0.31	0.66	0.27	0.21	0.19	0.17	0.16	
9	0.21	0.18	0.40	0.38	0.30	0.28	0.67	0.26	0.21	0.19	0.17	0.16	
10	0.21	0.18	0.34	0.39	0.29	0.27	0.64	0.26	0.21	0.19	0.17	0.16	
11	0.21	0.18	0.32	0.78	0.28	0.27	0.57	0.26	0.21	0.19	0.17	0.16	
12	0.20	0.18	0.32	0.63	0.28	0.27	0.52	0.26	0.21	0.19	0.16	0.16	
13	0.20	0.20	0.34	0.72	0.28	0.26	0.49	0.25	0.20	0.19	0.16	0.15	
14	0.20	0.20	0.33	1.17	0.28	0.31	0.45	0.25	0.20	0.19	0.16	0.15	
15	0.20	0.22	0.36	0.77	0.28	0.35	0.43	0.25	0.20	0.19	0.16	0.15	
16	0.20	0.20	0.34	0.67	0.27	0.37	0.40	0.24	0.20	0.19	0.16	0.15	
17	0.20	0.19	0.30	0.63	0.27	0.32	0.38	0.24	0.20	0.19	0.16	0.15	
18	0.20	0.20	0.29	0.57	0.26	0.32	0.37	0.24	0.20	0.19	0.16	0.15	
19	0.20	0.21	0.27	0.52	0.26	0.40	0.36	0.24	0.19	0.19	0.16	0.15	
20	0.20	0.21	0.27	0.48	0.25	0.30	0.38	0.24	0.19	0.19	0.16	0.15	
21	0.20	0.21	0.27	0.47	0.25	0.29	0.39	0.24	0.19	0.19	0.16	0.15	
22	0.20	0.21	0.28	0.44	0.25	0.28	0.37	0.23	0.19	0.19	0.16	0.15	
23	0.20	0.21	0.36	0.43	0.25	0.27	0.38	0.23	0.19	0.19	0.16	0.15	
24	0.20	0.21	0.36	0.42	0.25	0.28	0.46	0.23	0.19	0.19	0.16	0.15	
25	0.20	0.21	0.36	0.41	0.25	0.28	0.40	0.23	0.19	0.19	0.16	0.15	
26	0.20	0.21	0.37	0.39	0.24	0.28	0.37	0.23	0.19	0.19	0.16	0.14	
27	0.20	0.21	0.46	0.38	0.24	0.30	0.36	0.23	0.19	0.19	0.16	0.14	
28	0.19	0.21	0.56	0.37	0.24	0.39	0.34	0.23	0.19	0.19	0.16	0.13	
29	0.19	0.20	0.57	0.37	0.24	0.52	0.34	0.23	0.19	0.19		0.13	
30	0.19	0.18	0.54	0.36	0.23	0.50	0.33	0.23	0.19	0.19		0.13	
31		0.18		0.35	0.23		0.32		0.19	0.19		0.12	
MEAN	0.20	0.20	0.35	0.49	0.28	0.30	0.46	0.25	0.20	0.19	0.17	0.15	
MAX	0.21	0.22	0.60	1.17	0.34	0.52	0.82	0.30	0.23	0.19	0.18	0.16	1.17
MIN	0.19	0.18	0.18	0.35	0.23	0.23	0.32	0.23	0.19	0.19	0.16	0.12	0.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.46 M (A.D), AT 24.00 HOURS, ON JUL 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.01 M (A.D)
LEFT BANK ELEVATION 5.19 M (A.D)
RIGHT BANK ELEVATION 7.03 M (A.D), DRAINAGE AREA 92 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.04	0.03	0.34	0.15	0.06	0.32	0.11	0.06	0.04	0.03	0.02	
2	0.05	0.04	0.08	0.25	0.14	0.06	0.22	0.11	0.06	0.04	0.03	0.02	
3	0.05	0.04	0.05	0.21	0.14	0.06	0.19	0.11	0.05	0.04	0.03	0.02	
4	0.05	0.04	0.04	0.18	0.14	0.06	0.66	0.10	0.05	0.04	0.03	0.02	
5	0.05	0.04	0.04	0.29	0.13	0.06	0.48	0.09	0.05	0.04	0.03	0.02	
6	0.05	0.03	0.09	0.21	0.12	0.06	0.50	0.09	0.05	0.04	0.03	0.02	
7	0.05	0.03	0.34	0.21	0.12	0.06	1.24	0.09	0.05	0.04	0.03	0.02	
8	0.05	0.03	0.61	0.20	0.11	0.12	0.77	0.09	0.05	0.04	0.03	0.02	
9	0.05	0.03	0.22	0.20	0.11	0.10	0.79	0.08	0.05	0.04	0.03	0.02	
10	0.05	0.03	0.15	0.21	0.10	0.09	0.71	0.08	0.05	0.04	0.03	0.02	
11	0.05	0.03	0.13	1.11	0.10	0.09	0.54	0.08	0.05	0.04	0.03	0.02	
12	0.04	0.03	0.13	0.69	0.10	0.09	0.43	0.08	0.05	0.04	0.02	0.02	
13	0.04	0.04	0.15	0.93	0.10	0.08	0.37	0.08	0.04	0.04	0.02	0.02	
14	0.04	0.04	0.14	2.64	0.10	0.12	0.30	0.08	0.04	0.04	0.02	0.02	
15	0.04	0.05	0.18	1.08	0.10	0.16	0.27	0.08	0.04	0.04	0.02	0.02	
16	0.04	0.04	0.15	0.79	0.09	0.19	0.22	0.07	0.04	0.04	0.02	0.02	
17	0.04	0.04	0.11	0.69	0.09	0.13	0.20	0.07	0.04	0.04	0.02	0.02	
18	0.04	0.04	0.10	0.54	0.08	0.13	0.19	0.07	0.04	0.04	0.02	0.02	
19	0.04	0.05	0.09	0.43	0.08	0.22	0.18	0.07	0.04	0.04	0.02	0.02	
20	0.04	0.05	0.09	0.36	0.08	0.11	0.20	0.07	0.04	0.04	0.02	0.02	
21	0.04	0.05	0.09	0.34	0.08	0.10	0.21	0.07	0.04	0.04	0.02	0.02	
22	0.04	0.05	0.10	0.29	0.08	0.10	0.19	0.06	0.04	0.04	0.02	0.02	
23	0.04	0.05	0.18	0.27	0.08	0.09	0.20	0.06	0.04	0.04	0.02	0.02	
24	0.04	0.05	0.18	0.25	0.08	0.10	0.32	0.06	0.04	0.04	0.02	0.02	
25	0.04	0.05	0.18	0.24	0.08	0.10	0.22	0.06	0.04	0.04	0.02	0.02	
26	0.04	0.05	0.19	0.21	0.07	0.10	0.19	0.06	0.04	0.04	0.02	0.02	
27	0.04	0.05	0.32	0.20	0.07	0.11	0.18	0.06	0.04	0.04	0.02	0.02	
28	0.04	0.05	0.52	0.19	0.07	0.21	0.15	0.06	0.04	0.04	0.02	0.01	
29	0.04	0.04	0.54	0.19	0.07	0.43	0.15	0.06	0.04	0.04		0.01	
30	0.04	0.03	0.48	0.18	0.06	0.39	0.14	0.06	0.04	0.04		0.01	
31		0.03		0.16	0.06		0.13		0.04	0.04		0.01	
TOTAL	1.31	1.26	5.70	14.08	2.98	3.78	10.86	2.31	1.38	1.24	0.67	0.58	46.15 CMSDAY
MEAN	0.04	0.04	0.19	0.45	0.10	0.13	0.35	0.08	0.04	0.04	0.02	0.02	0.13 CMS
MAX	0.05	0.05	0.61	2.64	0.15	0.43	1.24	0.11	0.06	0.04	0.03	0.02	2.64 CMS
MIN	0.04	0.03	0.03	0.16	0.06	0.06	0.13	0.06	0.04	0.04	0.02	0.01	0.01 CMS
RUNOFF	0.113	0.109	0.492	1.217	0.257	0.327	0.938	0.200	0.119	0.107	0.058	0.050	3.987 MCM

MOMENTARY PEAK 4.23 CMS, AT 1.46 M (A.D), AT 24.00 HOURS, ON JUL 13, 1984

RUNOFF YIELD 1.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 45.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

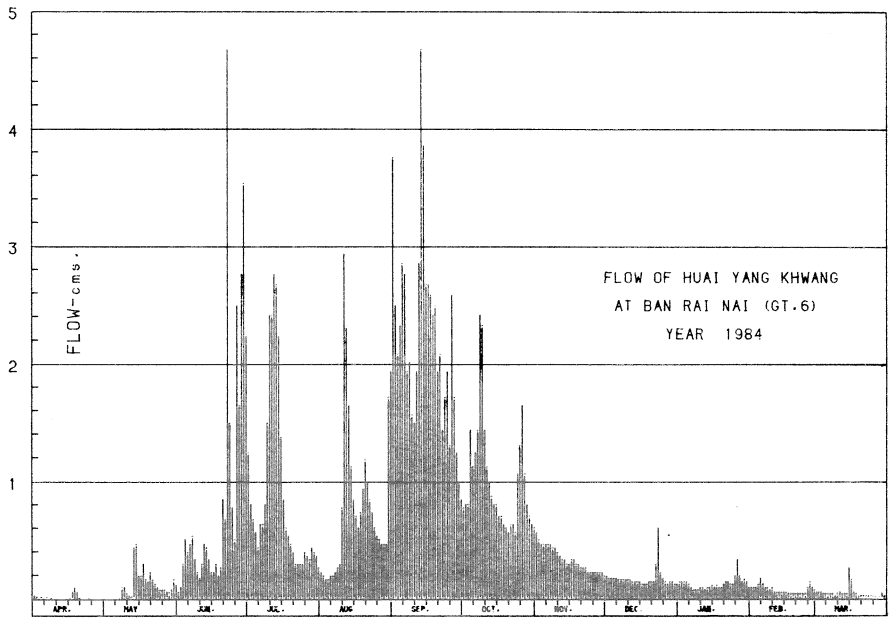
HUAI YANG KHWANG AT BAN RAI NAI, PRACHUAP KHIRI KHAN (GT.6)

LOCATION	LAT. 11-10-31 N., LONG. 99-21-27 E., ON LEFT BANK AT BAN RAI NAI, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	37 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE METEOROLOGICAL STATION.
ELEVATION	+15.345 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00 - 18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.45	0.52	0.86	0.61	1.16	0.77	0.71	0.60	0.57	0.54	0.52	
2	0.49	0.45	0.54	0.78	0.60	1.03	0.78	0.69	0.59	0.57	0.54	0.52	
3	0.49	0.45	0.63	0.74	0.58	0.98	0.78	0.68	0.59	0.57	0.54	0.52	
4	0.48	0.44	0.69	0.71	0.58	1.01	0.89	0.68	0.59	0.57	0.56	0.51	
5	0.48	0.44	0.66	0.67	0.60	1.07	0.84	0.68	0.59	0.56	0.59	0.51	
6	0.48	0.43	0.68	0.73	0.60	1.06	0.86	0.68	0.58	0.54	0.56	0.51	
7	0.48	0.47	0.70	0.73	0.61	0.96	0.89	0.68	0.58	0.53	0.54	0.51	
8	0.47	0.54	0.64	0.78	0.62	0.97	1.02	0.67	0.58	0.53	0.54	0.51	
9	0.45	0.54	0.61	0.90	0.63	0.91	1.01	0.67	0.58	0.53	0.53	0.50	
10	0.45	0.51	0.59	1.02	0.77	0.90	0.89	0.66	0.58	0.54	0.54	0.51	
11	0.47	0.50	0.63	1.02	1.08	0.96	0.84	0.65	0.58	0.54	0.52	0.52	
12	0.44	0.49	0.68	1.06	1.01	1.07	0.82	0.64	0.57	0.53	0.52	0.51	
13	0.44	0.67	0.67	1.05	0.92	1.24	0.80	0.64	0.57	0.54	0.52	0.51	
14	0.44	0.68	0.64	1.00	0.84	1.17	0.78	0.63	0.57	0.54	0.52	0.51	
15	0.44	0.60	0.61	0.88	0.79	1.05	0.78	0.63	0.57	0.55	0.52	0.62	
16	0.46	0.60	0.61	0.79	0.75	1.05	0.75	0.64	0.56	0.54	0.52	0.58	
17	0.52	0.63	0.63	0.72	0.72	1.04	0.75	0.64	0.56	0.55	0.51	0.52	
18	0.54	0.58	0.60	0.70	0.76	1.02	0.73	0.63	0.56	0.54	0.51	0.51	
19	0.52	0.57	0.62	0.68	0.81	1.03	0.72	0.63	0.57	0.54	0.51	0.50	
20	0.47	0.61	0.79	0.66	0.85	0.96	0.71	0.62	0.57	0.56	0.51	0.50	
21	0.44	0.58	0.74	0.63	0.82	0.98	0.73	0.62	0.57	0.57	0.51	0.50	
22	0.43	0.56	1.24	0.63	0.79	0.89	0.73	0.62	0.63	0.57	0.51	0.50	
23	0.43	0.54	0.90	0.63	0.76	0.93	0.71	0.61	0.72	0.56	0.51	0.50	
24	0.46	0.53	0.77	0.63	0.72	0.96	0.83	0.61	0.61	0.56	0.51	0.50	
25	0.45	0.53	0.69	0.66	0.70	0.87	0.87	0.61	0.59	0.60	0.54	0.50	
26	0.45	0.53	1.03	0.65	0.69	1.04	0.92	0.61	0.57	0.64	0.57	0.49	
27	0.43	0.52	0.92	0.64	0.68	0.93	0.83	0.61	0.56	0.60	0.54	0.49	
28	0.43	0.52	1.06	0.67	0.68	0.86	0.78	0.61	0.57	0.57	0.53	0.49	
29	0.42	0.53	1.14	0.66	0.68	0.82	0.75	0.61	0.57	0.58		0.51	
30	0.44	0.58	1.00	0.65	0.93	0.79	0.73	0.60	0.56	0.57		0.50	
31		0.55		0.62	0.96		0.72		0.56	0.54		0.50	
MEAN	0.46	0.54	0.74	0.76	0.75	0.99	0.81	0.64	0.58	0.56	0.53	0.51	
MAX	0.54	0.68	1.24	1.06	1.08	1.24	1.02	0.71	0.72	0.64	0.59	0.62	1.24
MIN	0.42	0.43	0.52	0.62	0.58	0.79	0.71	0.60	0.56	0.53	0.51	0.49	0.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.72 M (A.D), AT 24.00 HOURS, ON SEP 12, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.33 M (A.D)
LEFT BANK ELEVATION 15.35 M (A.D)
RIGHT BANK ELEVATION 6.28 M (A.D), DRAINAGE AREA 37 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.00	0.06	1.25	0.23	3.76	0.78	0.57	0.20	0.15	0.10	0.06	
2	0.02	0.00	0.10	0.81	0.20	2.50	0.81	0.51	0.18	0.15	0.10	0.06	
3	0.02	0.00	0.30	0.68	0.17	2.09	0.81	0.47	0.18	0.15	0.10	0.06	
4	0.02	0.00	0.51	0.57	0.17	2.33	1.44	0.47	0.18	0.15	0.13	0.05	
5	0.02	0.00	0.40	0.44	0.20	2.86	1.13	0.47	0.18	0.13	0.18	0.05	
6	0.02	0.00	0.47	0.64	0.20	2.77	1.25	0.47	0.17	0.10	0.13	0.05	
7	0.02	0.01	0.54	0.64	0.23	1.94	1.44	0.47	0.17	0.08	0.10	0.05	
8	0.01	0.10	0.34	0.81	0.27	2.02	2.42	0.44	0.17	0.08	0.10	0.05	
9	0.00	0.10	0.23	1.50	0.30	1.57	2.33	0.44	0.17	0.08	0.08	0.03	
10	0.00	0.05	0.18	2.42	0.78	1.50	1.44	0.40	0.17	0.10	0.10	0.05	
11	0.01	0.03	0.30	2.42	2.94	1.94	1.13	0.37	0.17	0.10	0.06	0.06	
12	0.00	0.02	0.47	2.77	2.33	2.86	1.00	0.34	0.15	0.08	0.06	0.05	
13	0.00	0.44	0.44	2.68	1.65	4.68	0.88	0.34	0.15	0.10	0.06	0.05	
14	0.00	0.47	0.34	2.24	1.13	3.86	0.81	0.30	0.15	0.10	0.06	0.05	
15	0.00	0.20	0.23	1.38	0.85	2.68	0.81	0.30	0.15	0.12	0.06	0.27	
16	0.01	0.20	0.23	0.85	0.71	2.68	0.71	0.34	0.13	0.10	0.06	0.17	
17	0.06	0.30	0.30	0.61	0.61	2.59	0.71	0.34	0.13	0.12	0.05	0.06	
18	0.10	0.17	0.20	0.54	0.74	2.42	0.64	0.30	0.13	0.10	0.05	0.05	
19	0.06	0.15	0.27	0.47	0.94	2.50	0.61	0.30	0.15	0.10	0.05	0.03	
20	0.01	0.23	0.85	0.40	1.19	1.94	0.57	0.27	0.15	0.13	0.05	0.03	
21	0.00	0.17	0.68	0.30	1.00	2.09	0.64	0.27	0.15	0.15	0.05	0.03	
22	0.00	0.13	4.68	0.30	0.85	1.44	0.64	0.27	0.30	0.15	0.05	0.03	
23	0.00	0.10	1.50	0.30	0.74	1.72	0.57	0.23	0.61	0.13	0.05	0.03	
24	0.01	0.08	0.78	0.30	0.61	1.94	1.07	0.23	0.23	0.13	0.05	0.03	
25	0.00	0.08	0.51	0.40	0.54	1.31	1.31	0.23	0.18	0.20	0.10	0.03	
26	0.00	0.08	2.50	0.37	0.51	2.59	1.65	0.23	0.15	0.34	0.15	0.02	
27	0.00	0.06	1.65	0.34	0.47	1.72	1.07	0.23	0.13	0.20	0.10	0.02	
28	0.00	0.06	2.77	0.44	0.47	1.25	0.81	0.23	0.15	0.15	0.08	0.02	
29	0.00	0.08	3.54	0.40	0.47	1.00	0.71	0.23	0.15	0.17		0.05	
30	0.00	0.17	2.24	0.37	1.72	0.85	0.64	0.20	0.13	0.15		0.03	
31		0.12		0.27	1.94		0.61		0.13	0.10		0.03	
TOTAL	0.42	3.60	27.61	27.91	25.16	67.40	31.44	10.26	5.54	4.09	2.31	1.65	207.39 CMSDAY
MEAN	0.01	0.12	0.92	0.90	0.81	2.25	1.01	0.34	0.18	0.13	0.08	0.05	0.57 CMS
MAX	0.10	0.47	4.68	2.77	2.94	4.68	2.42	0.57	0.61	0.34	0.18	0.27	4.68 CMS
MIN	0.00	0.00	0.06	0.27	0.17	0.85	0.57	0.20	0.13	0.08	0.05	0.02	0.00 CMS
RUNOFF	0.036	0.311	2.386	2.411	2.174	5.823	2.716	0.886	0.479	0.353	0.200	0.143	17.918 MCM

MOMENTARY PEAK 13.00 CMS, AT 1.72 M (A.D), AT 24.00 HOURS, ON SEP 12, 1984

RUNOFF YIELD 15.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 351.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

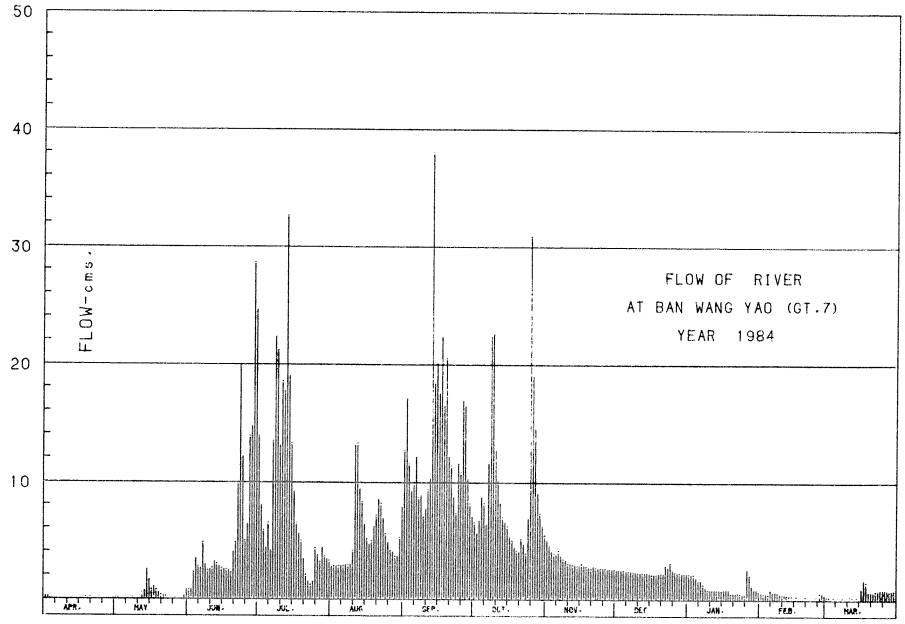
KHLONG BANG SAPHAN YAI AT BAN WANG YAO, PRACHUAP KHIRI KHAN (GT.7)

LOCATION	LAT. 11-14-02 N., LONG. 99-26-35 E., ON LEFT BANK NEAR THE BRIDGE OF PHET KASEM HIGHWAY AT BAN WANG YAO, TAMBON RON THONG, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	346 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.084 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.54	0.97	2.15	1.45	2.09	1.74	1.64	1.41	1.37	0.79	0.62	
2	0.56	0.50	0.96	1.83	1.46	2.31	1.68	1.61	1.41	1.36	0.76	0.58	
3	0.55	0.49	1.39	1.70	1.46	2.03	1.75	1.57	1.41	1.36	0.73	0.58	
4	0.55	0.48	1.52	1.60	1.46	1.90	1.87	1.56	1.41	1.32	0.72	0.58	
5	0.54	0.48	1.45	1.74	1.46	1.94	1.84	1.55	1.40	1.27	0.95	0.57	
6	0.53	0.47	1.43	1.58	1.46	2.06	1.73	1.58	1.40	1.27	0.83	0.56	
7	0.52	0.47	1.63	2.13	1.47	1.87	2.04	1.54	1.40	1.20	0.85	0.55	
8	0.51	0.56	1.47	2.55	1.47	1.88	2.55	1.52	1.39	1.10	0.81	0.55	
9	0.50	0.49	1.41	2.50	1.47	1.77	2.57	1.51	1.39	0.99	0.74	0.55	
10	0.50	0.56	1.42	2.11	1.58	1.81	2.09	1.48	1.38	0.97	0.70	0.59	
11	0.49	0.61	1.44	2.38	2.11	1.91	1.95	1.48	1.38	0.96	0.69	0.63	
12	0.49	0.82	1.50	2.34	2.12	1.96	1.84	1.47	1.38	0.96	0.68	0.59	
13	0.48	0.90	1.48	2.95	1.91	3.13	1.77	1.47	1.38	0.96	0.65	0.58	
14	0.48	1.42	1.45	2.40	1.85	2.37	1.74	1.46	1.38	0.95	0.64	0.57	
15	0.47	1.29	1.43	2.12	1.73	2.46	1.72	1.46	1.37	0.93	0.63	0.54	
16	0.52	0.99	1.42	1.90	1.65	2.33	1.66	1.48	1.36	0.95	0.62	1.16	
17	0.56	1.12	1.42	1.74	1.62	2.56	1.64	1.46	1.36	0.98	0.62	1.29	
18	0.55	0.97	1.41	1.68	1.64	2.28	1.60	1.45	1.36	0.97	0.61	1.25	
19	0.54	0.78	1.38	1.64	1.72	2.47	1.58	1.44	1.37	0.77	0.61	0.85	
20	0.54	0.69	1.57	1.52	1.78	2.06	1.57	1.43	1.37	0.77	0.60	0.83	
21	0.52	0.64	1.63	1.36	1.86	2.02	1.65	1.45	1.37	0.76	0.60	0.82	
22	0.50	0.60	1.93	1.26	1.84	1.87	1.62	1.44	1.46	0.81	0.59	0.92	
23	0.53	0.57	2.44	1.19	1.76	1.79	1.56	1.43	1.44	0.77	0.59	0.94	
24	0.55	0.59	2.06	1.25	1.68	2.03	1.76	1.43	1.49	0.71	0.60	0.97	
25	0.53	0.56	1.64	1.60	1.63	1.99	2.89	1.43	1.41	0.70	0.63	0.98	
26	0.50	0.54	1.73	1.55	1.58	2.30	2.40	1.43	1.39	1.42	0.80	0.97	
27	0.50	0.52	2.15	1.50	1.57	2.29	2.19	1.42	1.38	1.35	0.76	0.94	
28	0.49	0.58	2.19	1.60	1.54	1.96	1.89	1.42	1.38	1.14	0.67	0.90	
29	0.49	0.60	2.81	1.54	1.54	1.84	1.79	1.42	1.37	0.98		0.92	
30	0.49	0.84	2.65	1.52	1.66	1.77	1.72	1.42	1.37	0.98		0.95	
31		0.94		1.51	1.82		1.67		1.37	0.90		0.96	
MEAN	0.52	0.70	1.65	1.82	1.66	2.10	1.87	1.48	1.39	1.03	0.70	0.78	
MAX	0.60	1.42	2.81	2.95	2.12	3.13	2.89	1.64	1.49	1.42	0.95	1.29	3.13
MIN	0.47	0.47	0.96	1.19	1.45	1.77	1.56	1.42	1.36	0.70	0.59	0.54	0.47

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.30 M (A.D), AT 12.00 HOURS, ON SEP 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.37 M (A.D)
LEFT BANK ELEVATION 8.08 M (A.D)
RIGHT BANK ELEVATION 7.68 M (A.D), DRAINAGE AREA 346 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.16	0.81	13.90	2.80	12.71	6.54	5.00	2.48	2.19	0.54	0.28	
2	0.19	0.10	0.79	8.01	2.88	17.11	5.60	4.55	2.48	2.12	0.49	0.22	
3	0.18	0.09	2.33	5.90	2.88	11.57	6.70	4.04	2.48	2.12	0.45	0.22	
4	0.18	0.08	3.44	4.40	2.88	9.20	8.69	3.92	2.48	1.84	0.43	0.22	
5	0.16	0.08	2.80	6.54	2.88	9.92	8.18	3.80	2.40	1.58	0.78	0.20	
6	0.14	0.07	2.64	4.16	2.88	12.14	6.38	4.16	2.40	1.58	0.59	0.19	
7	0.13	0.07	4.85	13.50	2.96	8.69	11.76	3.68	2.40	1.30	0.63	0.18	
8	0.11	0.19	2.96	22.35	2.96	8.86	22.35	3.44	2.33	1.00	0.57	0.18	
9	0.10	0.09	2.48	21.20	2.96	7.02	22.81	3.32	2.33	0.84	0.46	0.18	
10	0.10	0.19	2.56	13.10	4.16	7.67	12.71	3.04	2.26	0.81	0.40	0.23	
11	0.09	0.27	2.72	18.58	13.10	9.38	10.10	3.04	2.26	0.79	0.38	0.29	
12	0.09	0.58	3.20	17.74	13.30	10.28	8.18	2.96	2.26	0.79	0.37	0.23	
13	0.08	0.70	3.04	32.65	9.38	38.03	7.02	2.96	2.26	0.79	0.32	0.22	
14	0.08	2.56	2.80	19.00	8.35	18.37	6.54	2.88	2.26	0.78	0.31	0.20	
15	0.07	1.66	2.64	13.30	6.38	20.32	6.22	2.88	2.19	0.75	0.29	0.16	
16	0.13	0.84	2.56	9.20	5.15	17.53	5.30	3.04	2.12	0.78	0.28	1.18	
17	0.19	1.06	2.56	6.54	4.70	22.58	5.00	2.88	2.12	0.82	0.28	1.66	
18	0.18	0.81	2.48	5.60	5.00	16.50	4.40	2.80	2.12	0.81	0.27	1.50	
19	0.16	0.52	2.26	5.00	6.22	20.54	4.16	2.72	2.19	0.50	0.27	0.63	
20	0.16	0.38	4.04	3.44	7.18	12.14	4.04	2.64	2.19	0.50	0.25	0.59	
21	0.13	0.31	4.85	2.12	8.52	11.38	5.15	2.80	2.19	0.49	0.25	0.58	
22	0.10	0.25	9.74	1.54	8.18	8.69	4.70	2.72	2.88	0.57	0.23	0.73	
23	0.14	0.20	19.88	1.27	6.86	7.34	3.92	2.64	2.72	0.50	0.23	0.76	
24	0.18	0.23	12.14	1.50	5.60	11.57	6.86	2.64	3.12	0.41	0.25	0.81	
25	0.14	0.19	5.00	4.40	4.85	10.82	30.92	2.64	2.48	0.40	0.29	0.82	
26	0.10	0.16	6.38	3.80	4.16	16.90	19.00	2.64	2.33	2.56	0.55	0.81	
27	0.10	0.13	13.90	3.20	4.04	16.70	14.70	2.56	2.26	2.05	0.49	0.76	
28	0.09	0.22	14.70	4.40	3.68	10.28	9.03	2.56	2.26	1.12	0.36	0.70	
29	0.09	0.25	28.68	3.68	3.68	8.18	7.34	2.56	2.19	0.82		0.73	
30	0.09	0.61	24.65	3.44	5.30	7.02	6.22	2.56	2.19	0.82		0.78	
31		0.76		3.32	7.84		5.45		2.19	0.70		0.79	
TOTAL	3.93	13.81	193.88	276.78	171.71	399.44	285.97	94.07	72.82	33.13	11.01	17.03	1573.58 CMSDAY
MEAN	0.13	0.45	6.46	8.93	5.54	13.31	9.22	3.14	2.35	1.07	0.39	0.55	4.31 CMS
MAX	0.25	2.56	28.68	32.65	13.30	38.03	30.92	5.00	3.12	2.56	0.78	1.66	38.03 CMS
MIN	0.07	0.07	0.79	1.27	2.80	7.02	3.92	2.56	2.12	0.40	0.23	0.16	0.07 CMS
RUNOFF	0.340	1.193	16.751	23.914	14.836	34.512	24.708	8.128	6.292	2.862	0.951	1.471	135.957 MCM

MOMENTARY PEAK 43.40 CMS, AT 3.30 M (A.D), AT 12.00 HOURS, ON SEP 13, 1984

RUNOFF YIELD 12.46 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 125.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

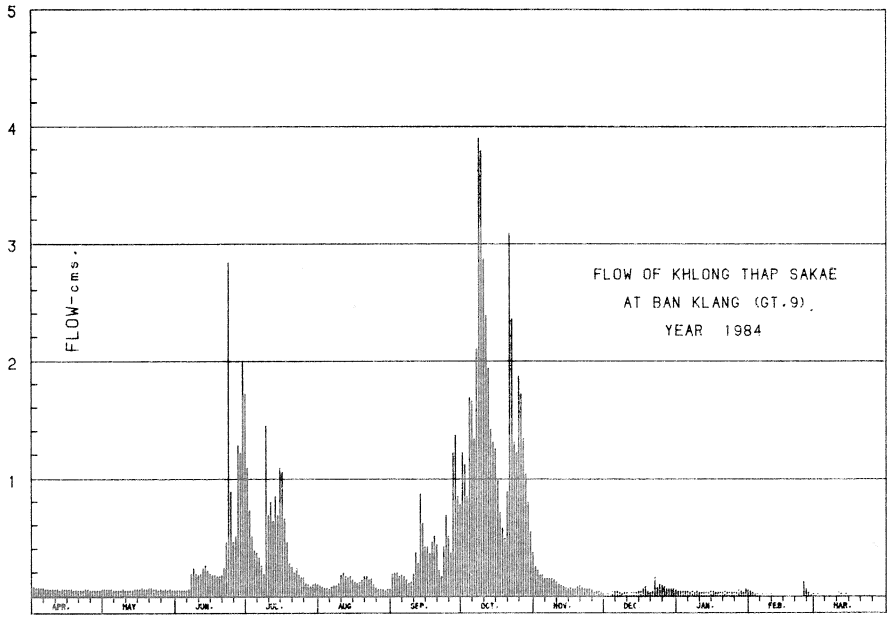
KHLONG THAP SAKAE AT BAN KLANG, PRACHUAP KHIRI KHAN (GT.9)

LOCATION	LAT. 11-29-39 N., LONG. 99-36-21 E., ON RIGHT BANK AT BAN KLANG, TAMBON THAP SAKAE, AMPHOE THAP SAKAE, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	120 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.374 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.07	0.06	0.65	0.11	0.20	0.70	0.24	0.03	0.05	0.05	0.02	
2	0.09	0.08	0.06	0.50	0.10	0.21	0.66	0.22	0.03	0.05	0.04	0.02	
3	0.09	0.07	0.06	0.40	0.09	0.21	0.55	0.19	0.03	0.05	0.03	0.01	
4	0.09	0.07	0.06	0.33	0.09	0.18	0.86	0.19	0.05	0.05	0.03	0.01	
5	0.09	0.06	0.06	0.32	0.08	0.19	0.85	0.16	0.05	0.05	0.03	0.01	
6	0.08	0.06	0.08	0.29	0.10	0.18	0.74	0.16	0.05	0.04	0.03	0.01	
7	0.08	0.06	0.20	0.25	0.11	0.15	0.99	0.16	0.04	0.05	0.03	0.01	
8	0.07	0.06	0.23	0.20	0.11	0.13	1.50	0.16	0.03	0.04	0.03	0.01	
9	0.08	0.07	0.20	0.78	0.13	0.14	1.47	0.15	0.04	0.05	0.03	0.01	
10	0.07	0.06	0.19	0.48	0.19	0.20	1.22	0.14	0.04	0.04	0.02	0.03	
11	0.07	0.06	0.20	0.53	0.21	0.32	1.08	0.12	0.03	0.04	0.01	0.04	
12	0.06	0.06	0.23	0.46	0.18	0.26	0.94	0.11	0.04	0.04	0.01	0.02	
13	0.07	0.06	0.25	0.55	0.17	0.56	0.77	0.10	0.04	0.04	0.01	0.02	
14	0.07	0.07	0.22	0.48	0.18	0.45	0.73	0.09	0.04	0.04	0.01	0.02	
15	0.07	0.08	0.20	0.65	0.15	0.35	0.71	0.07	0.05	0.05	0.01	0.01	
16	0.07	0.08	0.19	0.64	0.14	0.35	0.61	0.09	0.05	0.05	0.01	0.01	
17	0.07	0.09	0.19	0.47	0.13	0.31	0.49	0.08	0.07	0.04	0.01	0.01	
18	0.06	0.07	0.18	0.37	0.14	0.37	0.43	0.07	0.10	0.04	0.01	0.01	
19	0.06	0.07	0.18	0.26	0.15	0.40	0.39	0.10	0.05	0.04	0.01	0.01	
20	0.06	0.09	0.19	0.24	0.18	0.36	0.57	0.11	0.04	0.04	0.01	0.01	
21	0.06	0.09	0.23	0.21	0.18	0.22	1.28	0.09	0.05	0.05	0.01	0.01	
22	0.06	0.07	0.37	0.23	0.15	0.18	1.07	0.08	0.17	0.04	0.01	0.01	
23	0.07	0.07	1.21	0.19	0.16	0.35	0.73	0.07	0.09	0.04	0.01	0.01	
24	0.07	0.06	0.57	0.17	0.12	0.48	0.70	0.08	0.12	0.04	0.15	0.01	
25	0.06	0.07	0.37	0.17	0.09	0.40	0.92	0.06	0.11	0.04	0.07	0.01	
26	0.06	0.06	0.40	0.13	0.08	0.32	0.87	0.04	0.10	0.04	0.04	0.01	
27	0.06	0.07	0.72	0.12	0.08	0.70	0.74	0.05	0.07	0.06	0.03	0.00	
28	0.06	0.06	0.70	0.10	0.08	0.75	0.63	0.05	0.08	0.05	0.02	0.00	
29	0.06	0.07	0.96	0.12	0.06	0.55	0.53	0.04	0.07	0.04		0.00	
30	0.07	0.06	0.87	0.13	0.08	0.52	0.42	0.03	0.07	0.07		0.00	
31		0.06		0.12	0.08		0.32		0.06	0.06		0.00	
MEAN	0.07	0.07	0.32	0.34	0.13	0.33	0.79	0.11	0.06	0.05	0.03	0.01	
MAX	0.10	0.09	1.21	0.78	0.21	0.75	1.50	0.24	0.17	0.07	0.15	0.04	1.50
MIN	0.06	0.06	0.06	0.10	0.06	0.13	0.32	0.03	0.03	0.04	0.01	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.61 M (A.D), AT 18.00 HOURS, ON OCT 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.21 M (A.D)
LEFT BANK ELEVATION 5.22 M (A.D)
RIGHT BANK ELEVATION 5.18 M (A.D), DRAINAGE AREA 120 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.06	0.05	1.09	0.09	0.19	1.22	0.25	0.02	0.04	0.04	0.02	
2	0.07	0.06	0.05	0.73	0.08	0.20	1.12	0.22	0.02	0.04	0.03	0.02	
3	0.07	0.06	0.05	0.51	0.07	0.20	0.85	0.18	0.02	0.04	0.02	0.01	
4	0.07	0.06	0.05	0.39	0.07	0.17	1.69	0.18	0.04	0.04	0.02	0.01	
5	0.07	0.05	0.05	0.37	0.06	0.18	1.66	0.15	0.04	0.04	0.02	0.01	
6	0.06	0.05	0.06	0.33	0.08	0.17	1.34	0.15	0.04	0.03	0.02	0.01	
7	0.06	0.05	0.19	0.26	0.09	0.14	2.10	0.15	0.03	0.04	0.02	0.01	
8	0.06	0.05	0.24	0.19	0.09	0.11	3.90	0.15	0.02	0.03	0.02	0.01	
9	0.06	0.06	0.19	1.45	0.11	0.12	3.79	0.14	0.03	0.04	0.02	0.01	
10	0.06	0.05	0.18	0.69	0.18	0.19	2.87	0.12	0.03	0.03	0.02	0.02	
11	0.06	0.05	0.19	0.80	0.20	0.37	2.39	0.10	0.02	0.03	0.01	0.03	
12	0.05	0.05	0.24	0.64	0.17	0.28	1.94	0.09	0.03	0.03	0.01	0.02	
13	0.06	0.05	0.26	0.85	0.16	0.87	1.42	0.08	0.03	0.03	0.01	0.02	
14	0.06	0.06	0.22	0.69	0.17	0.62	1.31	0.07	0.03	0.03	0.01	0.02	
15	0.06	0.06	0.19	1.09	0.14	0.42	1.25	0.06	0.04	0.04	0.01	0.01	
16	0.06	0.06	0.18	1.06	0.12	0.42	0.99	0.07	0.04	0.04	0.01	0.01	
17	0.06	0.07	0.18	0.66	0.11	0.36	0.71	0.06	0.06	0.03	0.01	0.01	
18	0.05	0.06	0.17	0.46	0.12	0.46	0.58	0.06	0.08	0.03	0.01	0.01	
19	0.05	0.06	0.17	0.28	0.14	0.51	0.49	0.08	0.04	0.03	0.01	0.01	
20	0.05	0.07	0.18	0.25	0.17	0.44	0.89	0.09	0.03	0.03	0.01	0.01	
21	0.05	0.07	0.24	0.20	0.17	0.22	3.09	0.07	0.04	0.04	0.01	0.01	
22	0.05	0.06	0.46	0.24	0.14	0.17	2.36	0.06	0.16	0.03	0.01	0.01	
23	0.06	0.06	2.84	0.18	0.15	0.42	1.31	0.06	0.07	0.03	0.01	0.01	
24	0.06	0.05	0.89	0.16	0.10	0.69	1.22	0.06	0.10	0.03	0.14	0.01	
25	0.05	0.06	0.46	0.16	0.07	0.51	1.87	0.05	0.09	0.03	0.06	0.01	
26	0.05	0.05	0.51	0.11	0.06	0.37	1.72	0.03	0.08	0.03	0.03	0.01	
27	0.05	0.06	1.28	0.10	0.06	1.22	1.34	0.04	0.06	0.05	0.02	0.00	
28	0.05	0.05	1.22	0.08	0.06	1.37	1.04	0.04	0.06	0.04	0.02	0.00	
29	0.05	0.06	2.00	0.10	0.05	0.85	0.80	0.03	0.06	0.03		0.00	
30	0.06	0.05	1.72	0.11	0.06	0.78	0.55	0.02	0.06	0.06		0.00	
31		0.05		0.10	0.06		0.37		0.05	0.05		0.00	
TOTAL	1.75	1.76	14.71	14.33	3.40	13.02	48.18	2.91	1.52	1.11	0.63	0.34	103.66 CMSDAY
MEAN	0.06	0.06	0.49	0.46	0.11	0.43	1.55	0.10	0.05	0.04	0.02	0.01	0.28 CMS
MAX	0.08	0.07	2.84	1.45	0.20	1.37	3.90	0.25	0.16	0.06	0.14	0.03	3.90 CMS
MIN	0.05	0.05	0.05	0.08	0.05	0.11	0.37	0.02	0.02	0.03	0.01	0.00	0.00 CMS
RUNOFF	0.151	0.152	1.271	1.238	0.294	1.125	4.163	0.251	0.131	0.096	0.054	0.029	8.956 MCM

MOMENTARY PEAK 4.33 CMS, AT 1.61 M (A.D), AT 18.00 HOURS, ON OCT 8, 1984

RUNOFF YIELD 2.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

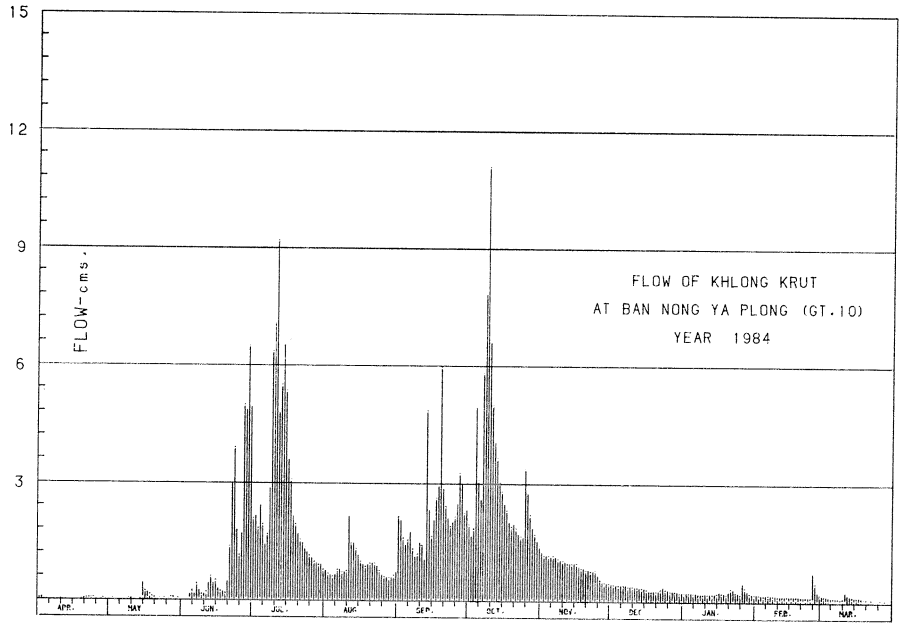
KHLONG KRUT AT BAN NONG YA PLONG, PRACHUAP KHIRI KHAN (GT.10)

LOCATION	LAT. 11-24-08 N., LONG. 99-31-20 E., ON LEFT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 379, BAN NONG YA PLONG, TAMBON CHAI KASEM, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	112 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	5.507 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.27	0.27	0.25	0.88	0.58	0.89	0.85	0.70	0.48	0.39	0.37	0.35	
2	0.27	0.26	0.24	0.89	0.56	0.87	0.79	0.68	0.48	0.39	0.36	0.34	
3	0.26	0.26	0.24	0.83	0.55	0.78	0.83	0.68	0.47	0.39	0.35	0.33	
4	0.26	0.25	0.33	0.94	0.54	0.74	1.34	0.68	0.47	0.39	0.35	0.32	
5	0.26	0.23	0.41	0.85	0.55	0.77	1.06	0.67	0.47	0.38	0.35	0.31	
6	0.26	0.22	0.34	0.74	0.59	0.81	0.97	0.68	0.47	0.38	0.36	0.31	
7	0.25	0.22	0.48	0.80	0.59	0.72	1.46	0.67	0.47	0.37	0.35	0.31	
8	0.23	0.22	0.40	1.02	0.57	0.67	1.71	0.66	0.46	0.37	0.35	0.30	
9	0.23	0.26	0.35	1.53	0.57	0.69	2.07	0.65	0.46	0.37	0.35	0.29	
10	0.22	0.25	0.34	1.62	0.58	0.75	1.56	0.65	0.46	0.37	0.33	0.31	
11	0.22	0.25	0.39	1.87	0.89	0.74	1.35	0.64	0.45	0.37	0.33	0.40	
12	0.22	0.24	0.48	1.32	0.75	0.65	1.21	0.63	0.45	0.37	0.33	0.36	
13	0.21	0.24	0.54	1.42	0.75	1.33	1.15	0.63	0.44	0.37	0.33	0.34	
14	0.20	0.32	0.48	1.55	0.72	0.92	1.05	0.63	0.44	0.37	0.33	0.33	
15	0.20	0.48	0.51	1.40	0.68	0.79	1.01	0.63	0.44	0.39	0.33	0.32	
16	0.20	0.40	0.42	1.14	0.64	0.87	0.95	0.63	0.43	0.40	0.33	0.32	
17	0.20	0.37	0.40	1.06	0.62	0.98	0.92	0.61	0.41	0.39	0.33	0.32	
18	0.20	0.34	0.38	0.89	0.61	1.03	0.86	0.60	0.41	0.38	0.33	0.31	
19	0.24	0.31	0.37	0.85	0.62	1.48	0.84	0.60	0.41	0.37	0.33	0.30	
20	0.24	0.28	0.50	0.80	0.63	1.02	0.85	0.59	0.41	0.40	0.32	0.29	
21	0.27	0.28	0.73	0.77	0.63	0.94	0.83	0.59	0.41	0.44	0.32	0.29	
22	0.27	0.27	1.04	0.75	0.63	0.88	0.80	0.58	0.43	0.43	0.32	0.28	
23	0.27	0.27	1.19	0.73	0.61	0.84	0.79	0.58	0.45	0.40	0.32	0.28	
24	0.28	0.27	0.82	0.70	0.58	0.86	0.78	0.59	0.43	0.39	0.32	0.27	
25	0.28	0.26	0.68	0.68	0.55	0.89	1.11	0.55	0.42	0.37	0.57	0.27	
26	0.27	0.26	0.80	0.66	0.54	0.95	1.00	0.52	0.41	0.49	0.50	0.27	
27	0.27	0.30	1.35	0.64	0.53	1.09	0.90	0.50	0.41	0.45	0.40	0.27	
28	0.26	0.29	1.33	0.63	0.53	1.04	0.83	0.50	0.41	0.41	0.37	0.26	
29	0.25	0.28	1.55	0.62	0.53	0.91	0.80	0.49	0.40	0.39		0.25	
30	0.26	0.27	1.34	0.62	0.55	0.92	0.76	0.49	0.39	0.37		0.25	
31		0.26		0.59	0.57		0.74		0.39	0.37		0.25	
MEAN	0.24	0.28	0.62	0.96	0.61	0.89	1.04	0.61	0.44	0.39	0.35	0.30	
MAX	0.28	0.48	1.55	1.87	0.89	1.48	2.07	0.70	0.48	0.49	0.57	0.40	2.07
MIN	0.20	0.22	0.24	0.59	0.53	0.65	0.74	0.49	0.39	0.37	0.32	0.25	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.34 M (A.D), AT 6.00 HOURS, ON OCT 9, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 5.28 M (A.D)
RIGHT BANK ELEVATION 5.29 M (A.D), DRAINAGE AREA 112 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.06	0.04	2.10	0.77	2.15	1.95	1.24	0.43	0.22	0.19	0.16	
2	0.06	0.05	0.04	2.15	0.70	2.05	1.65	1.16	0.43	0.22	0.18	0.15	
3	0.05	0.05	0.04	1.85	0.66	1.61	1.85	1.16	0.41	0.22	0.16	0.14	
4	0.05	0.04	0.14	2.42	0.62	1.42	4.93	1.16	0.41	0.22	0.16	0.12	
5	0.05	0.03	0.26	1.95	0.66	1.56	3.09	1.12	0.41	0.21	0.16	0.10	
6	0.05	0.02	0.15	1.42	0.80	1.75	2.58	1.16	0.41	0.21	0.18	0.10	
7	0.04	0.02	0.43	1.70	0.80	1.33	5.82	1.12	0.41	0.19	0.16	0.10	
8	0.03	0.02	0.24	2.86	0.73	1.12	7.82	1.08	0.38	0.19	0.16	0.09	
9	0.03	0.05	0.16	6.36	0.73	1.20	11.09	1.04	0.38	0.19	0.16	0.08	
10	0.02	0.04	0.15	7.07	0.77	1.47	6.59	1.04	0.38	0.19	0.14	0.10	
11	0.02	0.04	0.22	9.21	2.15	1.42	5.00	1.00	0.36	0.19	0.14	0.24	
12	0.02	0.04	0.43	4.78	1.47	1.04	4.04	0.96	0.36	0.19	0.14	0.18	
13	0.01	0.04	0.62	5.51	1.47	4.86	3.65	0.96	0.34	0.19	0.14	0.15	
14	0.00	0.12	0.43	6.51	1.33	2.31	3.03	0.96	0.34	0.19	0.14	0.14	
15	0.00	0.43	0.52	5.36	1.16	1.65	2.80	0.96	0.34	0.22	0.14	0.12	
16	0.00	0.24	0.29	3.59	1.00	2.05	2.47	0.96	0.31	0.24	0.14	0.12	
17	0.00	0.19	0.24	3.09	0.92	2.63	2.31	0.88	0.26	0.22	0.14	0.12	
18	0.00	0.15	0.21	2.15	0.88	2.92	2.00	0.84	0.26	0.21	0.14	0.10	
19	0.04	0.10	0.19	1.95	0.92	5.97	1.90	0.84	0.26	0.19	0.14	0.09	
20	0.04	0.07	0.48	1.70	0.96	2.86	1.95	0.80	0.26	0.24	0.12	0.08	
21	0.06	0.07	1.38	1.56	0.96	2.42	1.85	0.80	0.26	0.34	0.12	0.08	
22	0.06	0.06	2.98	1.47	0.96	2.10	1.70	0.77	0.31	0.31	0.12	0.07	
23	0.06	0.06	3.91	1.38	0.88	1.90	1.65	0.77	0.36	0.24	0.12	0.07	
24	0.07	0.06	1.80	1.24	0.77	2.00	1.61	0.80	0.31	0.22	0.12	0.06	
25	0.07	0.05	1.16	1.16	0.66	2.15	3.39	0.66	0.29	0.19	0.73	0.06	
26	0.06	0.05	1.70	1.08	0.62	2.47	2.74	0.55	0.26	0.46	0.48	0.06	
27	0.06	0.09	5.00	1.00	0.59	3.27	2.20	0.48	0.26	0.36	0.24	0.06	
28	0.05	0.08	4.86	0.96	0.59	2.98	1.85	0.48	0.26	0.26	0.19	0.05	
29	0.04	0.07	6.51	0.92	0.59	2.25	1.70	0.46	0.24	0.22		0.04	
30	0.05	0.06	4.93	0.92	0.66	2.31	1.52	0.46	0.22	0.19		0.04	
31		0.05		0.80	0.73		1.42		0.22	0.19		0.04	
TOTAL	1.15	2.50	39.51	86.22	27.51	67.22	98.15	26.67	10.13	7.12	5.15	3.11	374.44 CMSDAY
MEAN	0.04	0.08	1.32	2.78	0.89	2.24	3.17	0.89	0.33	0.23	0.18	0.10	1.03 CMS
MAX	0.07	0.43	6.51	9.21	2.15	5.97	11.09	1.24	0.43	0.46	0.73	0.24	11.09 CMS
MIN	0.00	0.02	0.04	0.80	0.59	1.04	1.42	0.46	0.22	0.19	0.12	0.04	0.00 CMS
RUNOFF	0.099	0.216	3.414	7.449	2.377	5.808	8.480	2.304	0.875	0.615	0.445	0.269	32.352 MCM

MOMENTARY PEAK 13.86 CMS, AT 2.34 M (A.D), AT 6.00 HOURS, ON OCT 9, 1984

RUNOFF YIELD 9.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 123.79 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

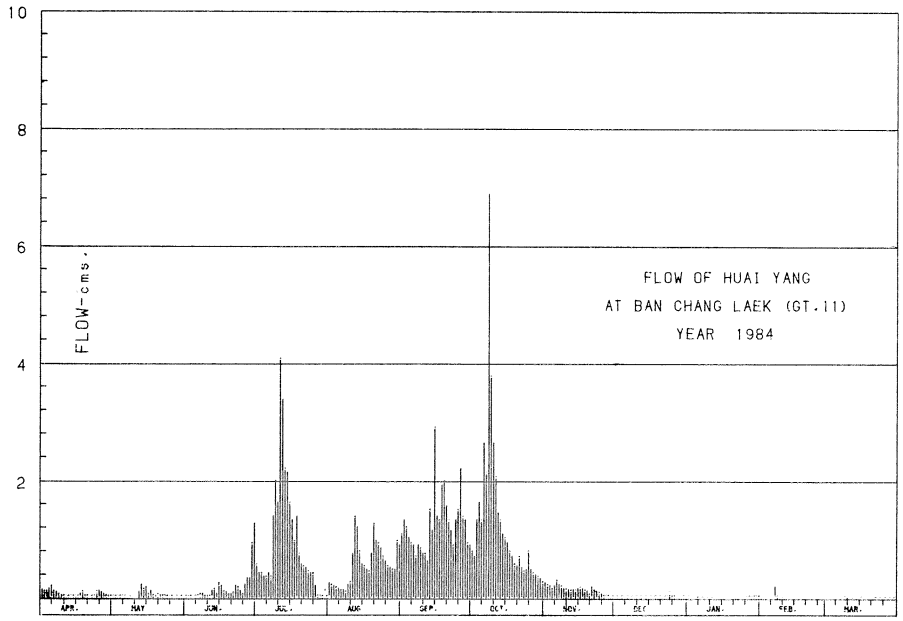
HUAI YANG AT BAN CHANG LAEK, PRACHUAP KHIRI KHAN (GT.11)

LOCATION	LAT. 11-03-44 N., LONG. 99-22-31 E., ON RIGHT BANK AT THE BRIDGE OF PHET KASEM HIGHWAY NEAR THE GUIDEPOST 423, BAN CHANG LAEK, TAMBON PAK PHAEK, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	58 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-HIGHWAYS DEPT.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+9.576 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1980 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1980 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.38	0.38	0.60	0.49	0.71	0.65	0.49	0.39	0.37	0.32	0.32	
2	0.43	0.38	0.38	0.55	0.48	0.75	0.63	0.48	0.39	0.36	0.35	0.32	
3	0.43	0.37	0.38	0.55	0.47	0.73	0.75	0.47	0.39	0.36	0.35	0.32	
4	0.45	0.37	0.38	0.53	0.46	0.70	0.80	0.45	0.39	0.36	0.35	0.32	
5	0.47	0.37	0.38	0.53	0.45	0.68	0.75	0.47	0.39	0.35	0.35	0.30	
6	0.43	0.37	0.40	0.55	0.44	0.67	0.93	0.51	0.38	0.35	0.35	0.30	
7	0.42	0.36	0.41	0.53	0.44	0.63	0.87	0.48	0.38	0.35	0.46	0.30	
8	0.41	0.36	0.41	0.76	0.43	0.67	1.30	0.47	0.38	0.34	0.37	0.30	
9	0.40	0.35	0.38	0.85	0.48	0.66	1.05	0.45	0.38	0.34	0.36	0.36	
10	0.40	0.35	0.38	0.80	0.50	0.64	0.93	0.45	0.38	0.34	0.35	0.30	
11	0.39	0.34	0.39	1.08	0.64	0.64	0.86	0.44	0.38	0.33	0.34	0.30	
12	0.39	0.45	0.43	1.01	0.76	0.61	0.77	0.44	0.38	0.33	0.34	0.30	
13	0.38	0.48	0.45	0.88	0.73	0.78	0.75	0.44	0.38	0.33	0.33	0.30	
14	0.38	0.45	0.41	0.87	0.65	0.72	0.71	0.44	0.37	0.33	0.33	0.31	
15	0.38	0.46	0.49	0.80	0.60	0.96	0.70	0.45	0.37	0.34	0.33	0.33	
16	0.39	0.41	0.47	0.75	0.59	0.76	0.68	0.46	0.37	0.33	0.33	0.33	
17	0.41	0.43	0.43	0.69	0.57	0.75	0.65	0.45	0.37	0.33	0.33	0.32	
18	0.43	0.40	0.42	0.76	0.56	0.84	0.63	0.44	0.37	0.33	0.33	0.32	
19	0.40	0.38	0.41	0.64	0.64	0.85	0.60	0.43	0.37	0.33	0.30	0.32	
20	0.40	0.41	0.41	0.60	0.74	0.79	0.59	0.41	0.37	0.33	0.30	0.32	
21	0.39	0.40	0.42	0.59	0.69	0.75	0.63	0.46	0.37	0.37	0.30	0.33	
22	0.38	0.40	0.47	0.58	0.68	0.72	0.58	0.44	0.39	0.36	0.29	0.33	
23	0.38	0.40	0.46	0.56	0.66	0.67	0.56	0.43	0.40	0.35	0.29	0.33	
24	0.43	0.39	0.43	0.55	0.63	0.75	0.57	0.42	0.43	0.35	0.29	0.33	
25	0.43	0.39	0.41	0.55	0.61	0.78	0.65	0.41	0.39	0.34	0.34	0.33	
26	0.42	0.38	0.48	0.47	0.59	0.88	0.57	0.40	0.38	0.36	0.35	0.33	
27	0.41	0.38	0.52	0.40	0.58	0.76	0.55	0.40	0.37	0.37	0.34	0.33	
28	0.40	0.38	0.52	0.40	0.57	0.75	0.54	0.40	0.37	0.37	0.32	0.33	
29	0.39	0.38	0.68	0.39	0.57	0.68	0.53	0.39	0.37	0.39		0.33	
30	0.38	0.38	0.74	0.39	0.69	0.67	0.52	0.39	0.37	0.40		0.33	
31		0.38		0.38	0.67		0.50		0.37	0.39		0.33	
MEAN	0.41	0.39	0.44	0.63	0.58	0.73	0.70	0.44	0.38	0.35	0.34	0.32	
MAX	0.47	0.48	0.74	1.08	0.76	0.96	1.30	0.51	0.43	0.40	0.46	0.36	1.30
MIN	0.38	0.34	0.38	0.38	0.43	0.61	0.50	0.39	0.37	0.33	0.29	0.30	0.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.50 M (A.D), AT 18.00 HOURS, ON JUL 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.25 M (A.D)
LEFT BANK ELEVATION 9.22 M (A.D)
RIGHT BANK ELEVATION 9.18 M (A.D), DRAINAGE AREA 58 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.06	0.06	0.60	0.28	1.11	0.82	0.28	0.06	0.06	0.03	0.03	
2	0.14	0.06	0.06	0.45	0.25	1.35	0.73	0.25	0.06	0.05	0.04	0.03	
3	0.14	0.06	0.06	0.45	0.23	1.23	1.35	0.23	0.06	0.05	0.04	0.03	
4	0.18	0.06	0.06	0.39	0.21	1.05	1.65	0.18	0.06	0.05	0.04	0.03	
5	0.23	0.06	0.06	0.39	0.18	0.96	1.35	0.23	0.06	0.04	0.04	0.02	
6	0.14	0.06	0.07	0.45	0.16	0.92	2.66	0.33	0.06	0.04	0.04	0.02	
7	0.12	0.05	0.09	0.39	0.16	0.73	2.16	0.25	0.06	0.04	0.21	0.02	
8	0.09	0.05	0.09	1.41	0.14	0.92	6.90	0.23	0.06	0.04	0.06	0.02	
9	0.07	0.04	0.06	2.02	0.25	0.87	3.80	0.18	0.06	0.04	0.05	0.05	
10	0.07	0.04	0.06	1.65	0.30	0.78	2.66	0.18	0.06	0.04	0.04	0.02	
11	0.06	0.04	0.06	4.10	0.78	0.78	2.09	0.16	0.06	0.04	0.04	0.02	
12	0.06	0.18	0.14	3.40	1.41	0.65	1.47	0.16	0.06	0.04	0.04	0.02	
13	0.06	0.25	0.18	2.23	1.23	1.53	1.35	0.16	0.06	0.04	0.04	0.02	
14	0.06	0.18	0.09	2.16	0.82	1.17	1.11	0.16	0.06	0.04	0.04	0.02	
15	0.06	0.21	0.28	1.65	0.60	2.93	1.05	0.18	0.06	0.04	0.04	0.04	
16	0.06	0.09	0.23	1.35	0.57	1.41	0.96	0.21	0.06	0.04	0.04	0.04	
17	0.09	0.14	0.14	1.00	0.51	1.35	0.82	0.18	0.06	0.04	0.04	0.03	
18	0.14	0.07	0.12	1.41	0.48	1.94	0.73	0.16	0.06	0.04	0.04	0.03	
19	0.07	0.06	0.09	0.78	0.78	2.02	0.60	0.14	0.06	0.04	0.02	0.03	
20	0.07	0.09	0.09	0.60	1.29	1.59	0.57	0.09	0.06	0.04	0.02	0.03	
21	0.06	0.07	0.12	0.57	1.00	1.35	0.73	0.21	0.06	0.06	0.02	0.04	
22	0.06	0.07	0.23	0.54	0.96	1.17	0.54	0.16	0.06	0.05	0.02	0.04	
23	0.06	0.07	0.21	0.48	0.87	0.92	0.48	0.14	0.07	0.04	0.02	0.04	
24	0.14	0.06	0.14	0.45	0.73	1.35	0.51	0.12	0.14	0.04	0.02	0.04	
25	0.14	0.06	0.09	0.45	0.65	1.53	0.82	0.09	0.06	0.04	0.04	0.04	
26	0.12	0.06	0.25	0.23	0.57	2.23	0.51	0.07	0.06	0.05	0.04	0.04	
27	0.09	0.06	0.36	0.07	0.54	1.41	0.45	0.07	0.06	0.06	0.04	0.04	
28	0.07	0.06	0.36	0.07	0.51	1.35	0.42	0.07	0.06	0.06	0.03	0.04	
29	0.06	0.06	0.96	0.06	0.51	0.96	0.39	0.06	0.06	0.06		0.04	
30	0.06	0.06	1.29	0.06	1.00	0.92	0.36	0.06	0.06	0.07		0.04	
31		0.06		0.06	0.92		0.30		0.06	0.06		0.04	
TOTAL	2.93	2.54	6.10	29.92	18.89	38.48	40.34	4.99	1.95	1.44	1.18	0.99	149.75 CMSDAY
MEAN	0.10	0.08	0.20	0.97	0.61	1.28	1.30	0.17	0.06	0.05	0.04	0.03	0.41 CMS
MAX	0.23	0.25	1.29	4.10	1.41	2.93	6.90	0.33	0.14	0.07	0.21	0.05	6.90 CMS
MIN	0.06	0.04	0.06	0.06	0.14	0.65	0.30	0.06	0.06	0.04	0.02	0.02	0.02 CMS
RUNOFF	0.253	0.219	0.527	2.585	1.632	3.325	3.485	0.431	0.168	0.124	0.102	0.086	12.938 MCM

MOMENTARY PEAK 9.95 CMS, AT 1.50 M (A.D), AT 18.00 HOURS, ON JUL 8, 1984

RUNOFF YIELD 7.07 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 171.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

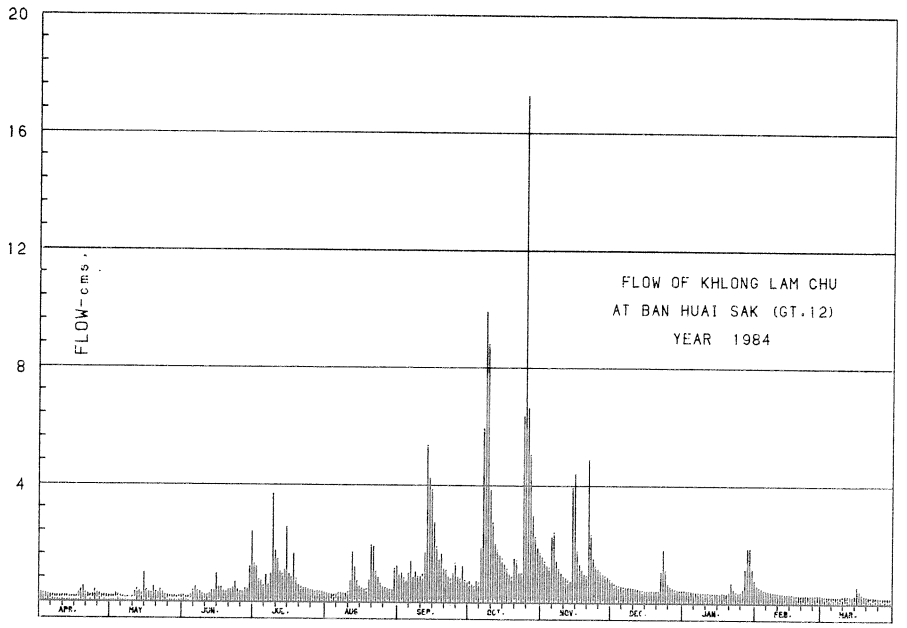
KHLONG LAM CHU AT BAN HUAI SAK, PRACHUAP KHIRI KHAN (GT.12)

LOCATION	LAT. 11-01-43 N., LONG. 99-25-32 E., ON LEFT BANK ABOUT 1.4 KILOMETERS FROM BAN HUAI SAK RAILWAY STATION, AMPHOE BANG SAPHAN NOI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	117 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 25 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+10.00 M.(A.D.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00 - 18.00, 21.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 9.27 M.(A.D.) RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.65	1.60	1.61	1.96	1.65	1.88	1.83	2.01	1.83	1.71	1.79	1.62	
2	1.64	1.60	1.59	1.94	1.64	1.90	1.80	1.98	1.81	1.70	1.76	1.62	
3	1.63	1.64	1.59	1.84	1.63	1.86	1.78	1.95	1.80	1.70	1.74	1.61	
4	1.62	1.62	1.62	1.83	1.63	1.83	1.83	1.94	1.79	1.69	1.72	1.61	
5	1.61	1.60	1.70	1.78	1.63	1.90	1.82	2.13	1.78	1.69	1.71	1.61	
6	1.61	1.59	1.76	1.88	1.66	1.98	2.07	2.15	1.77	1.68	1.70	1.61	
7	1.60	1.58	1.69	1.79	1.66	1.86	2.59	1.98	1.76	1.68	1.69	1.61	
8	1.60	1.58	1.67	1.89	1.65	1.91	3.00	1.93	1.76	1.67	1.68	1.61	
9	1.60	1.58	1.64	2.31	1.64	1.87	2.89	1.90	1.76	1.67	1.68	1.61	
10	1.60	1.58	1.62	2.05	1.68	1.87	2.33	1.87	1.75	1.67	1.67	1.62	
11	1.60	1.67	1.62	1.99	1.83	1.89	2.19	1.86	1.74	1.67	1.66	1.63	
12	1.60	1.72	1.64	1.91	2.04	2.04	2.10	1.84	1.73	1.66	1.66	1.62	
13	1.59	1.68	1.69	1.89	1.94	2.52	2.06	1.83	1.72	1.66	1.65	1.62	
14	1.59	1.64	1.69	1.92	1.83	2.38	2.02	2.34	1.71	1.66	1.65	1.61	
15	1.59	1.90	1.89	2.17	1.77	2.33	2.00	2.40	1.70	1.66	1.65	1.63	
16	1.59	1.70	1.75	1.89	1.74	2.19	1.96	2.05	1.70	1.65	1.65	1.78	
17	1.65	1.66	1.75	1.86	1.72	2.08	1.93	1.96	1.70	1.67	1.64	1.70	
18	1.70	1.65	1.68	2.03	1.73	1.99	1.89	1.92	1.70	1.66	1.63	1.65	
19	1.76	1.76	1.67	1.85	1.84	2.03	1.87	1.89	1.70	1.65	1.63	1.63	
20	1.65	1.67	1.71	1.79	2.09	1.93	2.00	1.88	1.70	1.68	1.63	1.62	
21	1.63	1.65	1.71	1.76	2.08	1.92	1.99	2.46	1.70	1.82	1.63	1.61	
22	1.61	1.71	1.74	1.74	1.91	1.87	1.90	2.14	1.91	1.73	1.63	1.61	
23	1.62	1.66	1.82	1.74	1.86	1.85	1.90	2.00	2.06	1.69	1.63	1.61	
24	1.70	1.62	1.71	1.72	1.81	1.90	2.64	1.95	1.92	1.67	1.63	1.60	
25	1.65	1.61	1.68	1.71	1.76	1.97	3.62	1.93	1.81	1.68	1.63	1.60	
26	1.63	1.60	1.67	1.70	1.75	1.87	2.67	1.91	1.77	1.73	1.63	1.59	
27	1.61	1.60	1.73	1.68	1.73	1.85	2.48	1.89	1.75	1.93	1.63	1.59	
28	1.61	1.60	1.72	1.69	1.72	1.95	2.22	1.88	1.73	2.07	1.63	1.59	
29	1.61	1.59	1.94	1.68	1.71	1.84	2.13	1.87	1.72	2.07		1.59	
30	1.60	1.60	2.15	1.68	1.93	1.82	2.07	1.85	1.71	1.93		1.59	
31		1.61		1.66	1.95		2.04		1.71	1.84		1.58	
MEAN	1.63	1.64	1.72	1.85	1.78	1.97	2.18	1.99	1.76	1.73	1.67	1.62	
MAX	1.76	1.90	2.15	2.31	2.09	2.52	3.62	2.46	2.06	2.07	1.79	1.78	3.62
MIN	1.59	1.58	1.59	1.66	1.63	1.82	1.78	1.83	1.70	1.65	1.63	1.58	1.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.48 M (A.D), AT 3.00 HOURS, ON OCT 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.20 M (A.D)
LEFT BANK ELEVATION 10.00 M (A.D)
RIGHT BANK ELEVATION 9.27 M (A.D), DRAINAGE AREA 117 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.20	0.22	1.30	0.30	0.92	0.72	1.55	0.72	0.42	0.58	0.24	
2	0.28	0.20	0.18	1.20	0.28	1.00	0.60	1.40	0.64	0.40	0.52	0.24	
3	0.26	0.28	0.18	0.76	0.26	0.84	0.56	1.25	0.60	0.40	0.48	0.22	
4	0.24	0.24	0.24	0.72	0.26	0.72	0.72	1.20	0.58	0.38	0.44	0.22	
5	0.22	0.20	0.40	0.56	0.26	1.00	0.68	2.24	0.56	0.38	0.42	0.22	
6	0.22	0.18	0.52	0.92	0.32	1.40	1.85	2.40	0.54	0.36	0.40	0.22	
7	0.20	0.16	0.38	0.58	0.32	0.84	5.92	1.40	0.52	0.36	0.38	0.22	
8	0.20	0.16	0.34	0.96	0.30	1.05	9.90	1.15	0.52	0.34	0.36	0.22	
9	0.20	0.16	0.28	3.68	0.28	0.88	8.80	1.00	0.52	0.34	0.36	0.22	
10	0.20	0.16	0.24	1.75	0.36	0.88	3.84	0.88	0.50	0.34	0.34	0.24	
11	0.20	0.34	0.24	1.45	0.72	0.96	2.72	0.84	0.48	0.34	0.32	0.26	
12	0.20	0.44	0.28	1.05	1.70	1.70	2.00	0.76	0.46	0.32	0.32	0.24	
13	0.18	0.36	0.38	0.96	1.20	5.36	1.80	0.72	0.44	0.32	0.30	0.24	
14	0.18	0.28	0.38	1.10	0.72	4.24	1.60	3.92	0.42	0.32	0.30	0.22	
15	0.18	1.00	0.96	2.56	0.54	3.84	1.50	4.40	0.40	0.32	0.30	0.26	
16	0.18	0.40	0.50	0.96	0.48	2.72	1.30	1.75	0.40	0.30	0.30	0.56	
17	0.30	0.32	0.50	0.84	0.44	1.90	1.15	1.30	0.40	0.34	0.28	0.40	
18	0.40	0.30	0.36	1.65	0.46	1.45	0.96	1.10	0.40	0.32	0.26	0.30	
19	0.52	0.52	0.34	0.80	0.76	1.65	0.88	0.96	0.40	0.30	0.26	0.26	
20	0.30	0.34	0.42	0.58	1.95	1.15	1.50	0.92	0.40	0.36	0.26	0.24	
21	0.26	0.30	0.42	0.52	1.90	1.10	1.45	4.88	0.40	0.68	0.26	0.22	
22	0.22	0.42	0.48	0.48	1.05	0.88	1.00	2.32	1.05	0.46	0.26	0.22	
23	0.24	0.32	0.68	0.48	0.84	0.80	1.00	1.50	1.80	0.38	0.26	0.22	
24	0.40	0.24	0.42	0.44	0.64	1.00	6.36	1.25	1.10	0.34	0.26	0.20	
25	0.30	0.22	0.36	0.42	0.52	1.35	17.26	1.15	0.64	0.36	0.26	0.20	
26	0.26	0.20	0.34	0.40	0.50	0.88	6.63	1.05	0.54	0.46	0.26	0.18	
27	0.22	0.20	0.46	0.36	0.46	0.80	5.04	0.96	0.50	1.15	0.26	0.18	
28	0.22	0.20	0.44	0.38	0.44	1.25	2.96	0.92	0.46	1.85	0.26	0.18	
29	0.22	0.18	1.20	0.36	0.42	0.76	2.24	0.88	0.44	1.85		0.18	
30	0.20	0.20	2.40	0.36	1.15	0.68	1.85	0.80	0.42	1.15		0.18	
31		0.22		0.32	1.25		1.70		0.42	0.76		0.16	
TOTAL	7.50	8.94	14.54	28.90	21.08	44.00	96.49	46.85	17.67	16.40	9.26	7.36	318.99 CMSDAY
MEAN	0.25	0.29	0.48	0.93	0.68	1.47	3.11	1.56	0.57	0.53	0.33	0.24	0.87 CMS
MAX	0.52	1.00	2.40	3.68	1.95	5.36	17.26	4.88	1.80	1.85	0.58	0.56	17.26 CMS
MIN	0.18	0.16	0.18	0.32	0.26	0.68	0.56	0.72	0.40	0.30	0.26	0.16	0.16 CMS
RUNOFF	0.648	0.772	1.256	2.497	1.821	3.802	8.337	4.048	1.527	1.417	0.800	0.636	27.561 MCM

MOMENTARY PEAK 65.88 CMS, AT 6.48 M (A.D), AT 3.00 HOURS, ON OCT 25, 1984

RUNOFF YIELD 7.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 563.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

WEST COAST-GULF BASIN

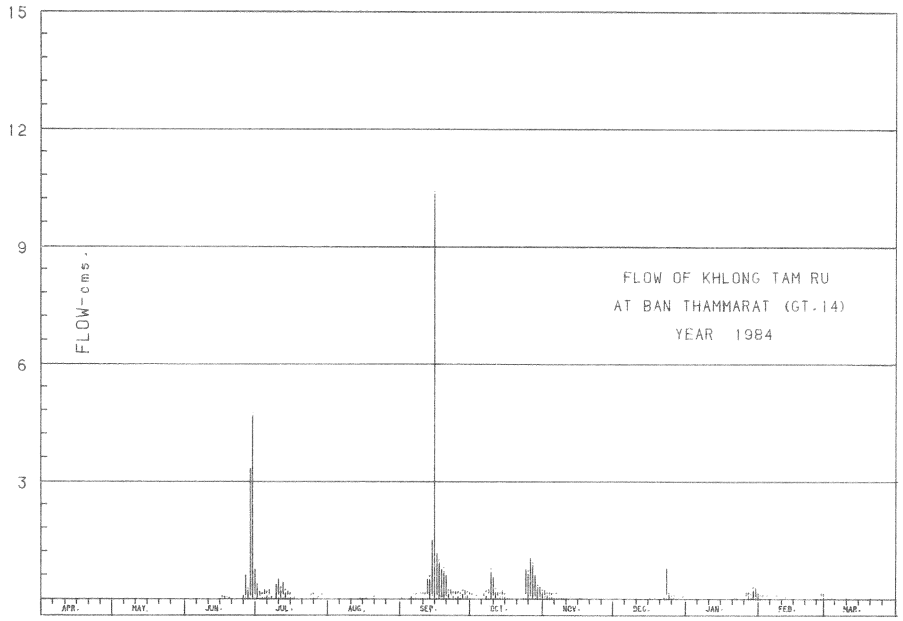
KHLONG TAM RU AT BAN THAMMARAT, PRACHUAP KHIRI KHAN (GT.14)

LOCATION	LAT. 11-08-57 N., LONG. 99-23-05 E., ON RIGHT BANK AT THE BRIDGE ON HIGHWAY, BAN THAMMARAT, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	11 SQ.KM.
TYPE OF GAGE	STAFF GAGE
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+6.872 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 15 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.33	0.28	0.63	0.37	0.39	0.48	0.54	0.37	0.40	0.45	0.36	
2	0.30	0.30	0.28	0.52	0.37	0.39	0.47	0.51	0.31	0.40	0.45	0.36	
3	0.30	0.30	0.28	0.50	0.37	0.39	0.44	0.50	0.28	0.40	0.45	0.36	
4	0.30	0.30	0.28	0.55	0.37	0.42	0.45	0.49	0.26	0.40	0.45	0.36	
5	0.30	0.30	0.28	0.53	0.37	0.50	0.44	0.48	0.26	0.40	0.44	0.35	
6	0.30	0.30	0.28	0.55	0.40	0.48	0.48	0.50	0.24	0.40	0.44	0.35	
7	0.30	0.30	0.28	0.40	0.37	0.48	0.54	0.45	0.23	0.39	0.44	0.35	
8	0.29	0.30	0.28	0.40	0.37	0.46	0.56	0.47	0.21	0.39	0.44	0.35	
9	0.29	0.30	0.29	0.66	0.37	0.50	0.79	0.46	0.21	0.39	0.42	0.35	
10	0.29	0.30	0.29	0.68	0.37	0.50	0.70	0.46	0.21	0.38	0.40	0.38	
11	0.28	0.30	0.30	0.60	0.37	0.50	0.58	0.45	0.20	0.37	0.40	0.36	
12	0.28	0.30	0.30	0.65	0.40	0.68	0.51	0.40	0.19	0.37	0.39	0.35	
13	0.28	0.30	0.32	0.56	0.40	0.72	0.50	0.39	0.18	0.37	0.38	0.35	
14	0.28	0.30	0.32	0.53	0.45	0.96	0.54	0.40	0.30	0.37	0.37	0.38	
15	0.28	0.30	0.35	0.50	0.45	1.84	0.49	0.40	0.35	0.38	0.37	0.38	
16	0.30	0.30	0.42	0.40	0.45	0.89	0.44	0.44	0.35	0.39	0.36	0.38	
17	0.32	0.30	0.40	0.40	0.45	0.85	0.44	0.43	0.35	0.39	0.36	0.37	
18	0.32	0.30	0.40	0.40	0.45	0.78	0.42	0.42	0.34	0.38	0.36	0.37	
19	0.32	0.30	0.36	0.40	0.45	0.80	0.40	0.39	0.36	0.38	0.38	0.38	
20	0.32	0.30	0.36	0.35	0.41	0.72	0.40	0.41	0.36	0.39	0.38	0.38	
21	0.35	0.32	0.40	0.35	0.32	0.55	0.40	0.41	0.39	0.43	0.37	0.35	
22	0.35	0.32	0.40	0.35	0.30	0.55	0.40	0.40	0.46	0.42	0.36	0.35	
23	0.35	0.32	0.38	0.35	0.29	0.52	0.46	0.38	0.79	0.41	0.33	0.34	
24	0.35	0.30	0.38	0.47	0.28	0.52	0.78	0.34	0.51	0.41	0.37	0.34	
25	0.35	0.30	0.50	0.49	0.27	0.52	0.77	0.30	0.45	0.43	0.39	0.34	
26	0.35	0.30	0.72	0.45	0.26	0.51	0.86	0.34	0.44	0.51	0.41	0.34	
27	0.35	0.28	0.58	0.40	0.25	0.55	0.83	0.29	0.43	0.51	0.49	0.34	
28	0.35	0.28	1.24	0.40	0.24	0.54	0.72	0.24	0.42	0.47	0.48	0.34	
29	0.35	0.28	1.40	0.39	0.24	0.53	0.62	0.25	0.42	0.60		0.35	
30	0.33	0.28	0.78	0.39	0.24	0.51	0.60	0.30	0.40	0.58		0.35	
31		0.28		0.39	0.25		0.55		0.40	0.49		0.35	
MEAN	0.31	0.30	0.44	0.47	0.35	0.62	0.55	0.41	0.34	0.42	0.40	0.36	
MAX	0.35	0.33	1.40	0.68	0.45	1.84	0.86	0.54	0.79	0.60	0.49	0.38	1.84
MIN	0.28	0.28	0.28	0.35	0.24	0.39	0.40	0.24	0.18	0.37	0.33	0.34	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.32 M (A.D), AT 15.00 HOURS, ON SEP 15, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.02 M (A.D)
LEFT BANK ELEVATION 6.57 M (A.D)
RIGHT BANK ELEVATION 6.51 M (A.D), DRAINAGE AREA 11 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.02	0.00	0.37	0.04	0.04	0.13	0.21	0.04	0.05	0.10	0.03	
2	0.00	0.00	0.00	0.18	0.04	0.04	0.12	0.16	0.00	0.05	0.10	0.03	
3	0.00	0.00	0.00	0.15	0.04	0.04	0.09	0.15	0.00	0.05	0.10	0.03	
4	0.00	0.00	0.00	0.23	0.04	0.07	0.10	0.14	0.00	0.05	0.10	0.03	
5	0.00	0.00	0.00	0.19	0.04	0.15	0.09	0.13	0.00	0.05	0.09	0.02	
6	0.00	0.00	0.00	0.23	0.05	0.13	0.13	0.15	0.00	0.05	0.09	0.02	
7	0.00	0.00	0.00	0.05	0.04	0.13	0.21	0.10	0.00	0.04	0.09	0.02	
8	0.00	0.00	0.00	0.05	0.04	0.11	0.24	0.12	0.00	0.04	0.09	0.02	
9	0.00	0.00	0.00	0.45	0.04	0.15	0.78	0.11	0.00	0.04	0.07	0.02	
10	0.00	0.00	0.00	0.50	0.04	0.15	0.55	0.11	0.00	0.04	0.05	0.04	
11	0.00	0.00	0.00	0.30	0.04	0.15	0.27	0.10	0.00	0.04	0.05	0.03	
12	0.00	0.00	0.00	0.42	0.05	0.50	0.16	0.05	0.00	0.04	0.04	0.02	
13	0.00	0.00	0.01	0.24	0.05	0.60	0.15	0.04	0.00	0.04	0.04	0.02	
14	0.00	0.00	0.01	0.19	0.10	1.50	0.21	0.05	0.00	0.04	0.04	0.04	
15	0.00	0.00	0.02	0.15	0.10	10.40	0.14	0.05	0.02	0.04	0.04	0.04	
16	0.00	0.00	0.07	0.05	0.10	1.16	0.09	0.09	0.02	0.04	0.03	0.04	
17	0.01	0.00	0.05	0.05	0.10	1.00	0.09	0.08	0.02	0.04	0.03	0.04	
18	0.01	0.00	0.05	0.05	0.10	0.75	0.07	0.07	0.02	0.04	0.03	0.04	
19	0.01	0.00	0.03	0.05	0.10	0.80	0.05	0.04	0.03	0.04	0.04	0.04	
20	0.01	0.00	0.03	0.02	0.06	0.60	0.05	0.06	0.03	0.04	0.04	0.04	
21	0.02	0.01	0.05	0.02	0.01	0.23	0.05	0.06	0.04	0.08	0.04	0.02	
22	0.02	0.01	0.05	0.02	0.00	0.23	0.05	0.05	0.11	0.07	0.03	0.02	
23	0.02	0.01	0.04	0.02	0.00	0.18	0.11	0.04	0.78	0.06	0.02	0.02	
24	0.02	0.00	0.04	0.12	0.00	0.18	0.75	0.02	0.16	0.06	0.04	0.02	
25	0.02	0.00	0.15	0.14	0.00	0.18	0.72	0.00	0.10	0.08	0.04	0.02	
26	0.02	0.00	0.60	0.10	0.00	0.16	1.04	0.02	0.09	0.16	0.06	0.02	
27	0.02	0.00	0.27	0.05	0.00	0.23	0.92	0.00	0.08	0.16	0.14	0.02	
28	0.02	0.00	3.32	0.05	0.00	0.21	0.60	0.00	0.07	0.12	0.13	0.02	
29	0.02	0.00	4.75	0.04	0.00	0.19	0.35	0.00	0.07	0.30		0.02	
30	0.02	0.00	0.75	0.04	0.00	0.16	0.30	0.00	0.05	0.27		0.02	
31		0.00		0.04	0.00		0.23		0.05	0.14		0.02	
TOTAL	0.24	0.05	10.29	4.56	1.22	20.42	8.84	2.20	1.78	2.36	1.76	0.83	54.55 CMSDAY
MEAN	0.01	0.00	0.34	0.15	0.04	0.68	0.29	0.07	0.06	0.08	0.06	0.03	0.15 CMS
MAX	0.02	0.02	4.75	0.50	0.10	10.40	1.04	0.21	0.78	0.30	0.14	0.04	10.40 CMS
MIN	0.00	0.00	0.00	0.02	0.00	0.04	0.05	0.00	0.00	0.04	0.02	0.02	0.00 CMS
RUNOFF	0.021	0.004	0.889	0.394	0.105	1.764	0.764	0.190	0.154	0.204	0.152	0.072	4.713 MCM

MOMENTARY PEAK 18.68 CMS, AT 2.32 M (A.D), AT 15.00 HOURS, ON SEP 15, 1984

RUNOFF YIELD 13.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1698.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

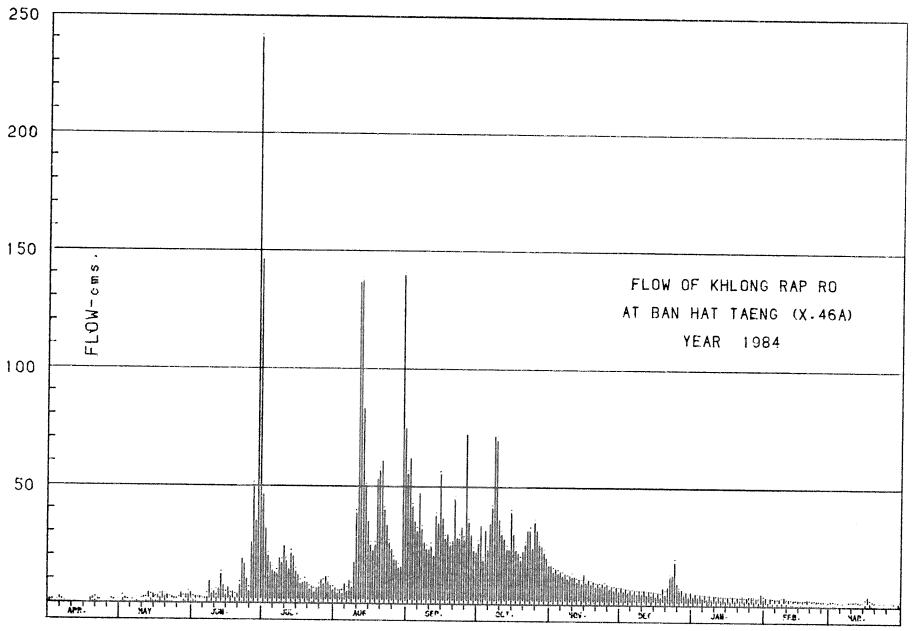
KHLONG RAP RO AT BAN HAT TAENG, CHUMPHON (X.46A)

LOCATION	LAT. 10-37-18 N., LONG. 99-03-39 E., ON LEFT BANK ABOUT 10 KILOMETERS UPSTREAM FROM X.46 STATION AT BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.
DRAINAGE AREA	617 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+11.752 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 76 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.87	0.91	1.00	2.35	1.19	2.53	1.89	1.58	1.23	1.13	1.03	0.94	
2	0.88	1.02	0.97	2.00	1.16	2.63	2.04	1.55	1.22	1.11	1.02	0.94	
3	0.86	0.93	0.97	1.74	1.15	2.25	1.69	1.53	1.21	1.11	1.02	0.91	
4	0.85	0.89	0.97	1.60	1.16	2.08	1.99	1.52	1.20	1.10	1.01	0.90	
5	0.95	0.88	0.94	1.55	1.27	2.02	1.82	1.49	1.19	1.10	1.00	0.89	
6	0.88	0.87	0.93	1.46	1.22	2.34	2.06	1.49	1.19	1.09	1.00	0.88	
7	0.86	0.87	1.08	1.51	1.33	2.04	2.24	1.46	1.18	1.08	1.00	0.88	
8	0.85	0.96	1.31	1.66	1.30	1.86	2.79	1.44	1.18	1.08	1.03	0.90	
9	0.84	0.92	1.14	1.66	1.61	1.83	2.79	1.43	1.18	1.07	1.04	0.93	
10	0.83	0.92	1.10	1.81	2.19	1.78	2.10	1.47	1.17	1.07	0.99	0.93	
11	0.82	0.96	1.17	1.67	3.56	1.86	1.99	1.41	1.17	1.06	0.98	0.93	
12	0.82	0.97	1.16	1.51	3.58	1.70	1.90	1.39	1.16	1.06	0.98	0.94	
13	0.81	1.08	1.48	1.77	2.97	2.17	1.83	1.38	1.16	1.06	0.97	0.92	
14	0.81	1.05	1.24	1.69	2.42	2.06	1.78	1.37	1.15	1.05	0.97	0.90	
15	0.80	1.03	1.12	1.53	2.08	2.53	2.20	1.45	1.15	1.04	0.96	0.90	
16	0.80	0.99	1.19	1.42	1.87	2.11	1.95	1.37	1.14	1.04	0.96	1.00	
17	0.81	1.00	1.09	1.35	1.76	1.94	1.82	1.36	1.13	1.05	0.95	1.07	
18	1.00	1.06	1.11	1.29	1.87	1.95	1.74	1.35	1.12	1.05	0.95	0.99	
19	0.93	1.08	1.07	1.38	2.46	1.86	1.70	1.33	1.22	1.04	0.98	0.94	
20	0.97	1.07	1.05	1.29	2.56	1.88	1.76	1.31	1.17	1.03	0.97	0.91	
21	0.89	1.01	1.31	1.25	2.61	2.32	1.88	1.30	1.24	1.03	0.95	0.90	
22	0.87	0.99	1.65	1.22	2.22	1.91	1.99	1.31	1.46	1.06	0.95	0.89	
23	0.85	0.96	1.66	1.20	2.04	1.95	2.03	1.30	1.44	1.03	0.94	0.89	
24	0.87	0.93	1.35	1.19	1.89	2.02	1.80	1.32	1.68	1.02	0.94	0.89	
25	0.86	0.92	1.21	1.28	1.78	1.93	2.11	1.29	1.31	1.05	0.93	0.88	
26	0.86	0.97	1.85	1.34	1.70	2.80	1.99	1.27	1.23	1.05	0.92	0.88	
27	0.91	1.07	2.43	1.35	1.64	2.11	1.88	1.25	1.19	1.04	0.91	0.90	
28	0.88	1.02	2.08	1.39	1.60	1.94	1.82	1.25	1.16	1.01	0.90	0.88	
29	0.87	1.02	4.24	1.39	1.55	1.81	1.79	1.24	1.14	1.02		0.87	
30	0.88	1.13	3.64	1.30	3.60	1.75	1.68	1.23	1.13	1.11		1.00	
31		1.08		1.23	2.84		1.63		1.14	1.06		0.98	
MEAN	0.87	0.99	1.45	1.50	2.01	2.07	1.96	1.38	1.21	1.06	0.97	0.92	
MAX	1.00	1.13	4.24	2.35	3.60	2.80	2.79	1.58	1.68	1.13	1.04	1.07	4.24
MIN	0.80	0.87	0.93	1.19	1.15	1.70	1.63	1.23	1.12	1.01	0.90	0.87	0.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.69 M (A.D), AT 18.00 HOURS, ON JUN 29, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 9.67 M (A.D)
RIGHT BANK ELEVATION 11.10 M (A.D), DRAINAGE AREA 617 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.34	1.83	3.00	47.55	6.50	56.53	27.22	16.60	7.39	5.30	3.51	2.22	
2	1.46	3.34	2.61	31.70	5.90	61.84	33.34	15.70	7.16	4.90	3.34	2.22	
3	1.22	2.09	2.61	21.70	5.70	42.70	19.99	15.10	6.93	4.90	3.34	1.83	
4	1.10	1.58	2.61	17.20	5.90	34.98	31.29	14.80	6.70	4.70	3.17	1.70	
5	2.35	1.46	2.22	15.70	8.31	32.52	24.56	13.93	6.50	4.70	3.00	1.58	
6	1.46	1.34	2.09	13.12	7.16	47.06	34.16	13.93	6.50	4.53	3.00	1.46	
7	1.22	1.34	4.36	14.50	9.75	33.34	42.22	13.12	6.30	4.36	3.00	1.46	
8	1.10	2.48	9.25	19.06	9.00	26.08	71.39	12.58	6.30	4.36	3.51	1.70	
9	0.98	1.96	5.50	19.06	17.51	24.94	71.39	12.31	6.30	4.19	3.68	2.09	
10	0.86	1.96	4.70	24.18	39.85	23.10	35.80	13.39	6.10	4.19	2.87	2.09	
11	0.74	2.48	6.10	19.37	136.56	26.08	31.29	11.77	6.10	4.02	2.74	2.09	
12	0.74	2.61	5.90	14.50	138.78	20.30	27.60	11.25	5.90	4.02	2.74	2.22	
13	0.62	4.36	13.66	22.75	83.02	38.95	24.94	11.00	5.90	4.02	2.61	1.96	
14	0.62	3.85	7.62	19.99	51.00	34.16	23.10	10.75	5.70	3.85	2.61	1.70	
15	0.50	3.51	5.10	15.10	34.98	56.53	40.30	12.85	5.70	3.68	2.48	1.70	
16	0.50	2.87	6.50	12.04	26.46	36.25	29.65	10.75	5.50	3.68	2.48	3.00	
17	0.62	3.00	4.53	10.25	22.40	29.24	24.56	10.50	5.30	3.85	2.35	4.19	
18	3.00	4.02	4.90	8.77	26.46	29.65	21.70	10.25	5.10	3.85	2.35	2.87	
19	2.09	4.36	4.19	11.00	53.00	26.08	20.30	9.75	7.16	3.68	2.74	2.22	
20	2.61	4.19	3.85	8.77	58.06	26.84	22.40	9.25	6.10	3.51	2.61	1.83	
21	1.58	3.17	9.25	7.85	60.68	46.08	26.84	9.00	7.62	3.51	2.35	1.70	
22	1.34	2.87	18.75	7.16	41.26	28.01	31.29	9.25	13.12	4.02	2.35	1.58	
23	1.10	2.48	19.06	6.70	33.34	29.65	32.93	9.00	12.58	3.51	2.22	1.58	
24	1.34	2.09	10.25	6.50	27.22	32.52	23.80	9.50	19.68	3.34	2.22	1.58	
25	1.22	1.96	6.93	8.54	23.10	28.83	36.25	8.77	9.25	3.85	2.09	1.46	
26	1.22	2.61	25.70	10.00	20.30	72.00	31.29	8.31	7.39	3.85	1.96	1.46	
27	1.83	4.19	51.50	10.25	18.44	36.25	26.84	7.85	6.50	3.68	1.83	1.70	
28	1.46	3.34	34.98	11.25	17.20	29.24	24.56	7.85	5.90	3.17	1.70	1.46	
29	1.34	3.34	241.90	11.25	15.70	24.18	23.45	7.62	5.50	3.34		1.34	
30	1.46	5.30	146.20	9.00	141.00	22.05	19.68	7.39	5.30	4.90		3.00	
31		4.36		7.39	74.56		18.13		5.50	4.02		2.74	
TOTAL	39.02	90.34	665.82	462.20	1219.10	1055.98	952.26	334.12	222.98	125.48	74.85	61.73	5303.88 CMSDAY
MEAN	1.30	2.91	22.19	14.91	39.33	35.20	30.72	11.14	7.19	4.05	2.67	1.99	14.53 CMS
MAX	3.00	5.30	241.90	47.55	141.00	72.00	71.39	16.60	19.68	5.30	3.68	4.19	241.90 CMS
MIN	0.50	1.34	2.09	6.50	5.70	20.30	18.13	7.39	5.10	3.17	1.70	1.34	0.50 CMS
RUNOFF	3.371	7.805	57.527	39.934	105.330	91.237	82.275	28.868	19.265	10.841	6.467	5.333	458.255 MCM

MOMENTARY PEAK 330.45 CMS, AT 4.69 M (A.D), AT 18.00 HOURS, ON JUN 29, 1984

RUNOFF YIELD 23.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 535.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

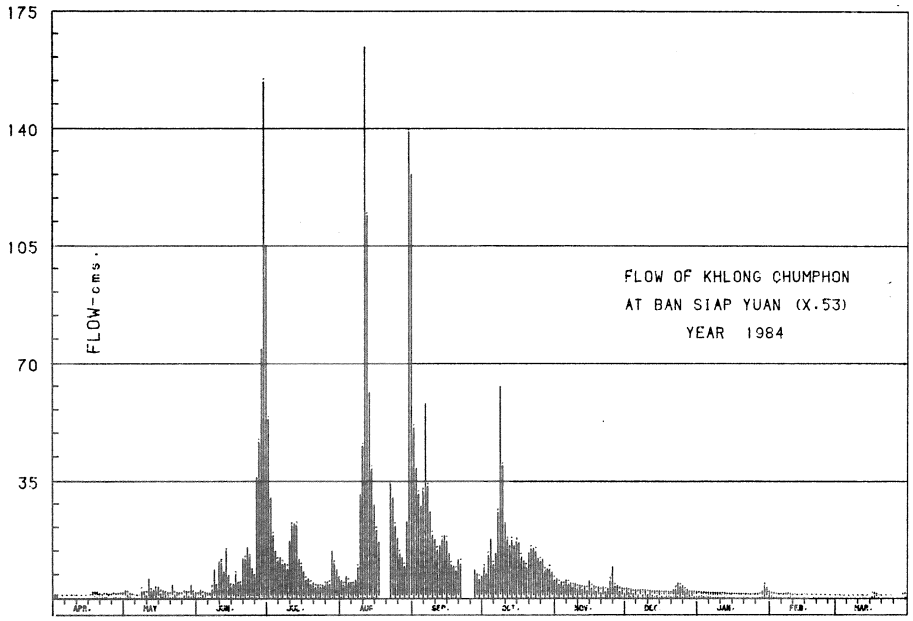
KHLONG CHUMPHON AT BAN SIAP YUAN, CHUMPHON (X.53)

LOCATION	LAT. 10-29-57 N., LONG. 99-04-15 E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE NEAR PHAYOM THAWAI SCHOOL, AMPHOE MUANG, CHUMPHON.
DRAINAGE AREA	223 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+9.502 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973, 1979 - 1980
RATED BY FLOAT	-
RATED BY CURRENT METER	1973, 1979 - 1980
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. NO RECORDS ON AUG.18-21,SEP.22-26,1984. STAGE-DISCHARGE RELATION DEFINED BY 205 DISCHARGE MEASUREMENTS MADE DURING 1973 AND 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.71	0.66	2.46	0.92	2.40	1.16	0.95	0.76	0.68	0.66	0.58	
2	0.59	0.70	0.72	1.84	0.89	2.08	1.03	0.92	0.75	0.67	0.65	0.58	
3	0.58	0.64	0.70	1.53	0.99	1.90	1.32	0.90	0.74	0.67	0.63	0.57	
4	0.58	0.62	0.67	1.33	0.95	1.77	1.46	0.89	0.72	0.66	0.62	0.57	
5	0.58	0.60	0.65	1.25	0.89	1.92	1.20	0.93	0.72	0.66	0.62	0.57	
6	0.58	0.59	0.64	1.25	0.89	2.55	1.30	0.92	0.72	0.65	0.62	0.57	
7	0.58	0.59	0.83	1.22	0.93	1.96	1.74	0.87	0.72	0.65	0.63	0.57	
8	0.58	0.78	1.09	1.18	1.16	1.72	2.67	0.86	0.72	0.65	0.64	0.57	
9	0.58	0.69	0.84	1.16	1.87	1.54	2.12	0.86	0.72	0.65	0.62	0.57	
10	0.58	0.70	1.20	1.44	2.27	1.46	1.62	0.83	0.71	0.65	0.60	0.58	
11	0.58	0.95	1.23	1.62	4.55	1.38	1.48	0.82	0.71	0.65	0.60	0.58	
12	0.58	0.76	1.06	1.61	3.71	1.39	1.39	0.81	0.70	0.64	0.59	0.58	
13	0.58	0.72	1.36	1.63	2.63	1.49	1.48	0.80	0.70	0.63	0.59	0.57	
14	0.58	0.80	1.01	1.23	2.10	1.50	1.39	0.80	0.70	0.63	0.60	0.57	
15	0.58	0.79	0.86	1.18	1.78	1.49	1.47	0.91	0.70	0.63	0.60	0.57	
16	0.60	0.73	0.85	1.06	1.58	1.30	1.42	0.84	0.69	0.62	0.60	0.66	
17	0.68	0.71	1.06	0.98	1.43	1.20	1.30	0.81	0.69	0.62	0.60	0.66	
18	0.68	0.70	0.90	0.95	*******	1.14	1.21	0.79	0.69	0.62	0.60	0.62	
19	0.68	0.67	0.90	0.92	*******	1.13	1.17	0.78	0.68	0.62	0.60	0.59	
20	0.63	0.66	1.24	0.88	*******	1.22	1.31	0.76	0.68	0.62	0.60	0.58	
21	0.60	0.83	1.27	0.85	*******	1.23	1.39	0.78	0.72	0.62	0.60	0.57	
22	0.64	0.70	1.37	0.84	1.98	*******	1.36	0.77	0.81	0.61	0.60	0.57	
23	0.64	0.67	1.29	0.84	1.84	*******	1.37	0.75	0.87	0.61	0.59	0.57	
24	0.62	0.66	1.11	0.83	1.62	*******	1.24	0.97	0.86	0.61	0.59	0.56	
25	0.62	0.66	1.02	0.90	1.47	*******	1.25	1.13	0.81	0.62	0.59	0.56	
26	0.65	0.71	2.01	0.90	1.34	*******	1.23	0.86	0.77	0.62	0.58	0.55	
27	0.63	0.70	2.30	0.92	1.25	1.10	1.12	0.81	0.73	0.64	0.58	0.55	
28	0.64	0.69	2.91	1.33	1.18	1.03	1.10	0.78	0.70	0.69	0.58	0.59	
29	0.65	0.83	4.40	1.21	1.63	1.01	1.15	0.76	0.69	0.87		0.63	
30	0.66	0.71	3.53	1.09	4.15	0.99	1.05	0.75	0.69	0.77		0.65	
31		0.67		0.98	3.92		0.99		0.68	0.69		0.62	
MEAN	0.61	0.71	1.32	1.21	*******	*******	1.37	0.85	0.73	0.65	0.61	0.58	
MAX	0.68	0.95	4.40	2.46	4.55	2.55	2.67	1.13	0.87	0.87	0.66	0.66	4.55
MIN	0.58	0.59	0.64	0.83	*******	*******	0.99	0.75	0.68	0.61	0.58	0.55	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.54 M (A.D), AT 23.00 HOURS, ON AUG 11, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.61 M (A.D)
LEFT BANK ELEVATION 9.90 M (A.D)
RIGHT BANK ELEVATION 7.71 M (A.D), DRAINAGE AREA 223 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	2.34	1.80	54.22	5.36	51.70	10.12	5.90	3.04	2.00	1.80	1.04	
2	1.12	2.20	2.48	30.00	4.86	38.82	7.40	5.36	2.90	1.90	1.70	1.04	
3	1.04	1.60	2.20	19.73	6.62	32.10	13.92	5.00	2.76	1.90	1.50	0.97	
4	1.04	1.40	1.90	14.18	5.90	27.58	17.68	4.86	2.48	1.80	1.40	0.97	
5	1.04	1.20	1.70	12.20	4.86	32.82	11.00	5.54	2.48	1.80	1.40	0.97	
6	1.04	1.12	1.60	12.20	4.86	58.00	13.40	5.36	2.48	1.70	1.40	0.97	
7	1.04	1.12	4.02	11.48	5.54	34.26	26.56	4.58	2.48	1.70	1.50	0.97	
8	1.04	3.32	8.60	10.56	10.12	25.88	63.11	4.44	2.48	1.70	1.60	0.97	
9	1.04	2.10	4.16	10.12	31.05	20.04	40.38	4.44	2.48	1.70	1.40	0.97	
10	1.04	2.20	11.00	17.12	46.30	17.68	22.56	4.02	2.34	1.70	1.20	1.04	
11	1.04	5.90	11.72	22.56	164.25	15.48	18.24	3.88	2.34	1.70	1.20	1.04	
12	1.04	3.04	8.00	22.23	114.84	15.74	15.74	3.74	2.20	1.60	1.12	1.04	
13	1.04	2.48	14.96	22.89	61.39	18.52	18.24	3.60	2.20	1.50	1.12	0.97	
14	1.04	3.60	7.00	11.72	39.60	18.80	15.74	3.60	2.20	1.50	1.20	0.97	
15	1.04	3.46	4.44	10.56	27.92	18.52	17.96	5.18	2.20	1.50	1.20	0.97	
16	1.20	2.62	4.30	8.00	21.28	13.40	16.56	4.16	2.10	1.40	1.20	1.80	
17	2.00	2.34	8.00	6.44	16.84	11.00	13.40	3.74	2.10	1.40	1.20	1.80	
18	2.00	2.20	5.00	5.90	*******	9.68	11.24	3.46	2.10	1.40	1.20	1.40	
19	2.00	1.90	5.00	5.36	*******	9.46	10.34	3.32	2.00	1.40	1.20	1.12	
20	1.50	1.80	11.96	4.72	*******	11.48	13.66	3.04	2.00	1.40	1.20	1.04	
21	1.20	4.02	12.68	4.30	*******	11.72	15.74	3.32	2.48	1.40	1.20	0.97	
22	1.60	2.20	15.22	4.16	34.98	*******	14.96	3.18	3.74	1.30	1.20	0.97	
23	1.60	1.90	13.16	4.16	30.00	*******	15.22	2.90	4.58	1.30	1.12	0.97	
24	1.40	1.80	9.02	4.02	22.56	*******	11.96	6.26	4.44	1.30	1.12	0.89	
25	1.40	1.80	7.20	5.00	17.96	*******	12.20	9.46	3.74	1.40	1.12	0.89	
26	1.70	2.34	36.09	5.00	14.44	*******	11.72	4.44	3.18	1.40	1.04	0.81	
27	1.50	2.20	47.50	5.36	12.20	8.80	9.24	3.74	2.62	1.60	1.04	0.81	
28	1.60	2.10	74.28	14.18	10.56	7.40	8.80	3.32	2.20	2.10	1.04	1.12	
29	1.70	4.02	154.70	11.24	22.89	7.00	9.90	3.04	2.10	4.58		1.50	
30	1.80	2.34	105.19	8.60	139.70	6.62	7.80	2.90	2.10	3.18		1.70	
31		1.90		6.44	126.34		6.62		2.00	2.10		1.40	
TOTAL	40.04	74.56	594.88	384.65	*******	*******	501.41	129.78	80.54	54.36	35.62	34.09	******** CMSDAY
MEAN	1.33	2.41	19.83	12.41	*******	*******	16.17	4.33	2.60	1.75	1.27	1.10	******** CMS
MAX	2.00	5.90	154.70	54.22	164.25	58.00	63.11	9.46	4.58	4.58	1.80	1.80	164.25 CMS
MIN	1.04	1.12	1.60	4.02	*******	*******	6.62	2.90	2.00	1.30	1.04	0.81	******** CMS
RUNOFF	3.459	6.442	51.398	33.234	*******	*******	43.322	11.213	6.959	4.697	3.078	2.945	******** MCM

MOMENTARY PEAK 276.07 CMS, AT 5.54 M (A.D), AT 23.00 HOURS, ON AUG 11, 1984

RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1237.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

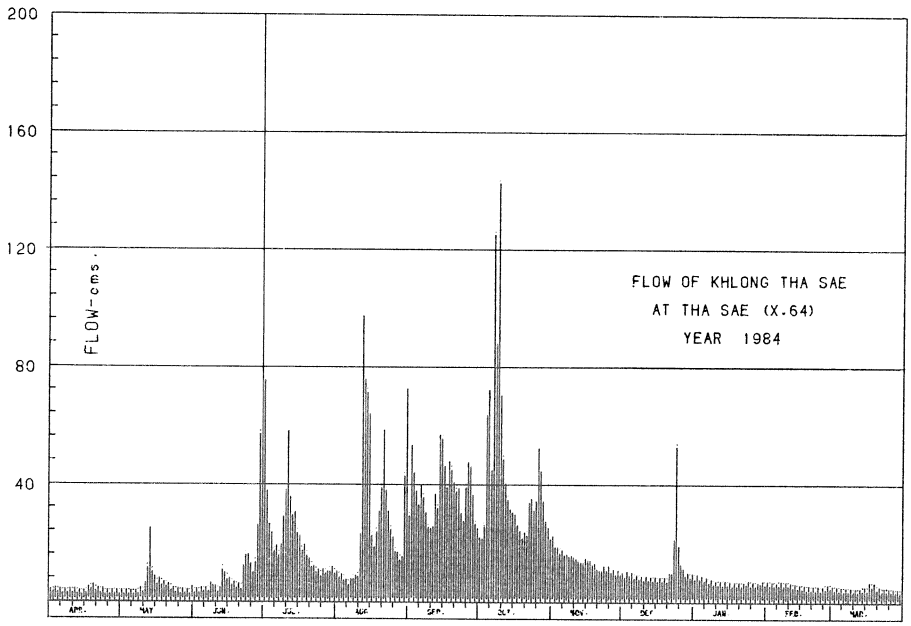
KHLONG THA SAE AT THA SAE, CHUMPHON (X.64)

LOCATION	LAT. 10-39-49 N., LONG. 99-10-17 E., ON LEFT BANK NEAR THE LAND COOPERATION OFFICE, TAMBON BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.
DRAINAGE AREA	957 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+11.196 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1975, 1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1975, 1982 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.25	0.28	2.78	0.57	1.34	1.08	1.05	0.55	0.53	0.41	0.33	
2	0.28	0.25	0.28	1.60	0.55	2.10	1.02	0.97	0.55	0.53	0.41	0.33	
3	0.29	0.25	0.28	1.25	0.53	1.85	1.22	0.91	0.57	0.52	0.40	0.32	
4	0.28	0.25	0.30	1.10	0.51	1.60	2.41	0.89	0.57	0.50	0.40	0.32	
5	0.27	0.24	0.30	0.90	0.44	1.48	2.69	0.87	0.56	0.49	0.38	0.31	
6	0.26	0.24	0.30	0.93	0.43	1.67	1.84	0.87	0.53	0.48	0.41	0.31	
7	0.26	0.24	0.31	0.85	0.45	1.56	4.10	0.84	0.52	0.46	0.41	0.30	
8	0.26	0.26	0.38	0.94	0.52	1.34	3.10	0.80	0.52	0.45	0.40	0.30	
9	0.27	0.30	0.41	1.34	0.51	1.20	4.53	0.80	0.50	0.43	0.40	0.30	
10	0.27	0.28	0.33	1.61	0.55	1.15	2.61	0.78	0.50	0.42	0.40	0.29	
11	0.27	0.38	0.31	2.28	1.08	1.22	1.99	0.75	0.50	0.42	0.39	0.29	
12	0.26	0.67	0.30	1.53	3.38	1.56	1.69	0.74	0.50	0.42	0.37	0.29	
13	0.24	1.15	0.65	1.35	2.76	1.43	1.54	0.70	0.49	0.42	0.37	0.29	
14	0.24	0.61	0.55	1.35	2.67	2.21	1.38	0.70	0.49	0.42	0.36	0.32	
15	0.24	0.49	0.52	1.14	2.42	2.21	1.40	0.76	0.49	0.41	0.35	0.32	
16	0.26	0.43	0.46	1.06	1.10	1.88	1.32	0.75	0.48	0.41	0.35	0.32	
17	0.31	0.46	0.43	0.91	0.91	1.68	1.24	0.73	0.48	0.40	0.34	0.40	
18	0.34	0.43	0.40	0.94	1.15	1.93	1.12	0.73	0.48	0.40	0.34	0.39	
19	0.35	0.40	0.38	0.85	1.36	1.88	1.08	0.69	0.48	0.40	0.34	0.39	
20	0.31	0.40	0.37	0.76	1.67	1.70	1.10	0.67	0.47	0.40	0.33	0.34	
21	0.29	0.37	0.36	0.70	2.26	1.63	1.12	0.58	0.55	0.39	0.33	0.32	
22	0.28	0.34	0.65	0.65	1.64	1.63	1.46	0.64	0.60	0.39	0.33	0.30	
23	0.28	0.30	0.85	0.62	1.36	1.38	1.56	0.65	1.01	0.43	0.33	0.30	
24	0.25	0.29	0.81	0.60	1.18	1.24	1.37	0.65	2.12	0.42	0.32	0.30	
25	0.25	0.28	0.74	0.57	1.04	1.68	1.53	0.65	0.92	0.41	0.32	0.29	
26	0.25	0.27	0.55	0.60	0.90	1.92	2.07	0.62	0.74	0.40	0.35	0.29	
27	0.25	0.27	0.75	0.60	0.84	1.92	1.87	0.60	0.61	0.40	0.35	0.29	
28	0.26	0.27	1.19	0.57	0.80	1.55	1.48	0.59	0.57	0.39	0.36	0.28	
29	0.25	0.26	2.25	0.63	0.78	1.24	1.29	0.59	0.55	0.44		0.28	
30	0.25	0.26	6.11	0.64	1.81	1.15	1.16	0.58	0.54	0.42		0.27	
31		0.32		0.60	2.67		1.07		0.54	0.42		0.27	
MEAN	0.27	0.36	0.73	1.04	1.25	1.61	1.76	0.74	0.61	0.43	0.37	0.31	
MAX	0.35	1.15	6.11	2.78	3.38	2.21	4.53	1.05	2.12	0.53	0.41	0.40	6.11
MIN	0.24	0.24	0.28	0.57	0.43	1.15	1.02	0.58	0.47	0.39	0.32	0.27	0.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.54 M (A.D), AT 6.00 HOURS, ON JUN 30, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.23 M (A.D)
LEFT BANK ELEVATION 10.33 M (A.D)
RIGHT BANK ELEVATION 9.60 M (A.D), DRAINAGE AREA 957 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.28	4.10	4.64	76.50	10.61	30.46	23.28	22.50	10.15	9.69	7.20	5.60	
2	4.64	4.10	4.64	38.00	10.15	53.40	21.72	20.42	10.15	9.69	7.20	5.60	
3	4.82	4.10	4.64	27.90	9.69	45.40	27.06	18.86	10.61	9.46	7.00	5.40	
4	4.64	4.10	5.00	23.80	9.23	38.00	63.74	18.34	10.61	9.00	7.00	5.40	
5	4.46	3.92	5.00	18.60	7.80	34.52	73.35	17.82	10.38	8.80	6.60	5.20	
6	4.28	3.92	5.00	19.38	7.60	40.03	45.08	17.82	9.69	8.60	7.20	5.20	
7	4.28	3.92	5.20	17.30	8.00	36.84	126.00	17.04	9.46	8.20	7.20	5.00	
8	4.28	4.28	6.60	19.64	9.46	30.46	88.00	16.00	9.46	8.00	7.00	5.00	
9	4.46	5.00	7.20	30.46	9.23	26.50	143.60	16.00	9.00	7.60	7.00	5.00	
10	4.46	4.64	5.60	38.29	10.15	25.15	70.55	15.52	9.00	7.40	7.00	4.82	
11	4.46	6.60	5.20	59.32	23.28	27.06	49.88	14.80	9.00	7.40	6.80	4.82	
12	4.28	12.91	5.00	35.97	98.44	36.84	40.61	14.56	9.00	7.40	6.40	4.82	
13	3.92	25.15	12.45	30.75	75.80	33.07	36.26	13.60	8.80	7.40	6.40	4.82	
14	3.92	11.53	10.15	30.75	72.65	56.94	31.62	13.60	8.80	7.40	6.20	5.40	
15	3.92	8.80	9.46	24.88	64.08	56.94	32.20	15.04	8.80	7.20	6.00	5.40	
16	4.28	7.60	8.20	22.76	23.80	46.36	29.88	14.80	8.60	7.20	6.00	5.40	
17	5.20	8.20	7.60	18.86	18.86	40.32	27.62	14.32	8.60	7.00	5.80	7.00	
18	5.80	7.60	7.00	19.64	25.15	47.96	24.34	14.32	8.60	7.00	5.80	6.80	
19	6.00	7.00	6.60	17.30	31.04	46.36	23.28	13.37	8.60	7.00	5.80	6.80	
20	5.20	7.00	6.40	15.04	40.03	40.90	23.80	12.91	8.40	7.00	5.60	5.80	
21	4.82	6.40	6.20	13.60	58.64	38.87	24.34	10.84	10.15	6.80	5.60	5.40	
22	4.64	5.80	12.45	12.45	39.16	38.87	33.94	12.22	11.30	6.80	5.60	5.00	
23	4.64	5.00	17.30	11.76	31.04	31.62	36.84	12.45	21.46	7.60	5.60	5.00	
24	4.10	4.82	16.26	11.30	25.96	27.62	31.33	12.45	54.04	7.40	5.40	5.00	
25	4.10	4.64	14.56	10.61	22.24	40.32	35.97	12.45	19.12	7.20	5.40	4.82	
26	4.10	4.46	10.15	11.30	18.60	47.64	52.44	11.76	14.56	7.00	6.00	4.82	
27	4.10	4.46	14.80	11.30	17.04	47.64	46.04	11.30	11.53	7.00	6.00	4.82	
28	4.28	4.46	26.23	10.61	16.00	36.55	34.52	11.07	10.61	6.80	6.20	4.64	
29	4.10	4.28	58.30	11.99	15.52	27.62	29.02	11.07	10.15	7.80		4.64	
30	4.10	4.28	209.46	12.22	44.12	25.15	25.42	10.84	9.92	7.40		4.46	
31		5.40		11.30	72.65		23.02		9.92	7.40		4.46	
TOTAL	134.56	198.47	517.29	713.58	926.02	1155.41	1374.75	438.09	368.47	237.64	177.00	162.34	6403.62 CMSDAY
MEAN	4.49	6.40	17.24	23.02	29.87	38.51	44.35	14.60	11.89	7.67	6.32	5.24	17.54 CMS
MAX	6.00	25.15	209.46	76.50	98.44	56.94	143.60	22.50	54.04	9.69	7.20	7.00	209.46 CMS
MIN	3.92	3.92	4.64	10.61	7.60	25.15	21.72	10.84	8.40	6.80	5.40	4.46	3.92 CMS
RUNOFF	11.626	17.148	44.694	61.653	80.008	99.827	118.778	37.851	31.836	20.532	15.293	14.026	553.273 MCM

MOMENTARY PEAK 229.24 CMS, AT 6.54 M (A.D), AT 6.00 HOURS, ON JUN 30, 1984

RUNOFF YIELD 18.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 239.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

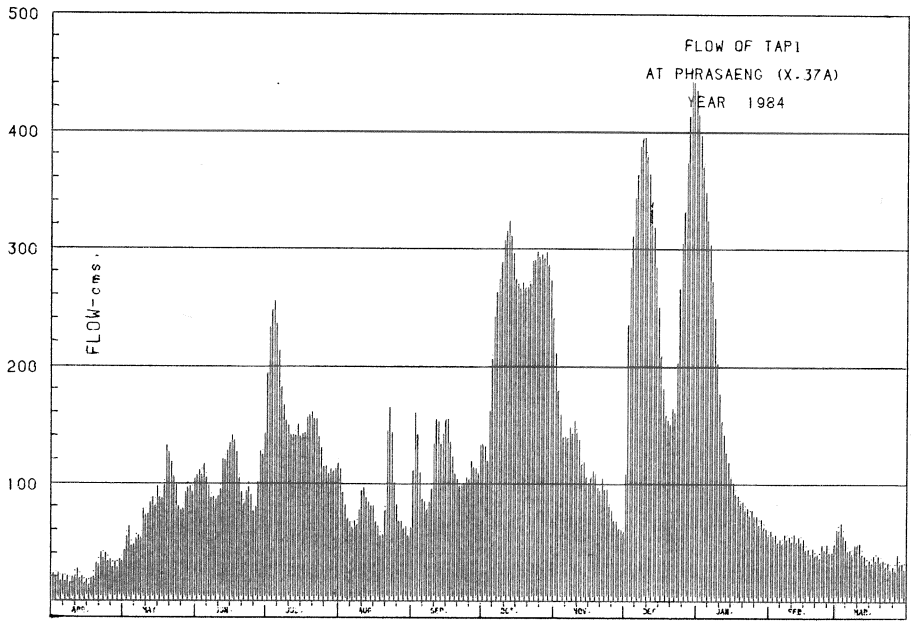
TAPI RIVER AT PHRASAENG, SURAT THANI (X.37A)

LOCATION	LAT. 8-34-03 N., LONG. 99-15-15 E., ON LEFT BANK AT TAMBON YAN DIN DAENG, AMPHOE PHRASAENG, SURAT THANI.
DRAINAGE AREA	5,200 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+4.80 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+10.572 M.(M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 163 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.61	6.07	7.38	8.66	7.40	7.43	7.84	8.84	7.32	10.61	6.41	6.43	
2	5.64	6.39	7.38	9.10	7.10	8.18	7.72	8.48	9.15	10.48	6.41	6.50	
3	5.62	6.48	7.40	9.29	6.84	7.95	7.59	8.16	9.62	10.33	6.34	6.54	
4	5.58	6.23	7.47	9.33	6.68	7.35	8.21	7.91	9.90	10.16	6.29	6.42	
5	5.58	6.17	7.33	9.17	6.56	7.01	8.82	7.86	10.12	10.00	6.26	6.26	
6	5.57	6.35	7.15	8.87	6.55	6.90	9.20	7.91	10.29	9.80	6.27	6.14	
7	5.55	6.32	7.02	8.52	6.57	6.84	9.44	7.99	10.42	9.54	6.35	6.08	
8	5.53	6.40	6.97	8.28	6.59	6.89	9.52	7.98	10.48	9.19	6.34	6.09	
9	5.53	6.78	7.01	8.14	6.76	7.17	9.69	8.08	10.47	8.78	6.31	6.17	
10	5.67	6.78	6.98	8.02	7.13	7.76	9.83	7.97	10.39	8.41	6.31	6.24	
11	5.71	6.69	7.15	7.94	7.11	8.15	9.93	7.82	10.27	8.12	6.35	6.20	
12	5.62	6.95	7.54	7.89	7.03	8.07	9.97	7.52	10.12	7.89	6.30	6.08	
13	5.55	6.96	7.60	7.94	6.89	7.82	9.90	7.50	9.93	7.69	6.30	5.97	
14	5.50	6.94	7.66	8.03	6.91	7.90	9.73	7.33	9.66	7.50	6.31	5.91	
15	5.48	7.13	7.83	7.93	6.83	8.15	9.55	7.19	9.28	7.33	6.27	5.89	
16	5.48	7.03	7.88	7.90	6.63	8.10	9.48	7.32	8.85	7.19	6.16	5.93	
17	5.51	6.94	7.88	7.98	6.49	7.85	9.48	7.37	8.47	7.08	6.10	5.98	
18	5.65	7.22	7.64	8.12	6.39	7.58	9.49	7.39	8.20	6.99	6.11	6.00	
19	5.83	7.73	7.31	8.21	6.34	7.40	9.48	7.11	8.09	6.92	6.11	5.97	
20	5.92	7.72	7.04	8.19	6.82	7.24	9.45	7.14	8.12	6.90	6.04	5.95	
21	6.03	7.50	6.92	8.17	7.94	7.24	9.52	7.26	8.24	6.84	6.00	5.89	
22	6.04	7.36	7.06	8.10	8.30	7.14	9.67	7.14	8.25	6.79	6.03	5.85	
23	6.02	7.18	7.19	7.92	7.92	7.25	9.72	7.09	8.74	6.76	6.17	5.85	
24	5.96	6.89	7.00	7.70	7.25	7.27	9.74	6.90	9.47	6.76	6.17	5.81	
25	5.90	6.76	6.81	7.50	6.85	7.32	9.74	6.76	9.81	6.75	6.18	5.76	
26	5.85	6.86	6.81	7.44	6.65	7.51	9.72	6.65	10.05	6.66	6.12	5.82	
27	5.85	7.04	7.26	7.40	6.57	7.51	9.73	6.57	10.33	6.59	6.04	6.00	
28	5.86	7.19	7.65	7.40	6.53	7.41	9.74	6.50	10.60	6.61	6.26	5.88	
29	5.90	7.13	7.67	7.43	6.48	7.44	9.67	6.42	10.75	6.53		5.83	
30	5.96	7.14	7.90	7.41	6.41	7.74	9.51	6.46	10.77	6.44		5.83	
31		7.25		7.54	6.46		9.22		10.71	6.41		5.83	
MEAN	5.72	6.89	7.33	8.11	6.87	7.52	9.36	7.42	9.58	7.87	6.23	6.04	
MAX	6.04	7.73	7.90	9.33	8.30	8.18	9.97	8.84	10.77	10.61	6.41	6.54	10.77
MIN	5.48	6.07	6.81	7.40	6.34	6.84	7.59	6.42	7.32	6.41	6.00	5.76	5.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.78 M (MSL), AT 6.00 HOURS, ON DEC 30, 1984
ZERO GAGE AT BOTTOM ELEVATION 4.80 M (MSL), RIVER BED 4.00 M (MSL)
LEFT BANK ELEVATION 12.62 M (MSL)
RIGHT BANK ELEVATION 12.74 M (MSL), DRAINAGE AREA 5200 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.40	43.22	111.40	196.80	112.50	114.30	138.90	211.20	108.10	418.70	60.10	61.10	
2	24.60	59.10	111.40	233.00	96.00	160.20	131.70	182.40	237.75	396.90	60.10	64.60	
3	23.80	63.60	112.50	251.50	81.76	145.50	123.90	158.90	284.60	373.65	56.60	66.60	
4	22.20	51.10	116.70	255.50	73.60	109.75	162.20	143.10	315.00	348.80	54.10	60.60	
5	22.20	48.10	108.65	239.65	67.60	91.05	209.60	140.10	343.60	328.00	52.60	52.60	
6	21.80	57.10	98.75	213.60	67.10	85.00	242.50	143.10	367.50	304.00	53.10	46.60	
7	21.00	55.60	91.60	185.60	68.10	81.76	266.50	147.90	387.60	276.50	57.10	43.68	
8	20.20	59.60	88.85	167.10	69.10	84.46	274.50	147.30	396.90	241.55	56.60	44.14	
9	20.20	78.60	91.05	157.60	77.60	99.85	291.95	153.70	395.35	206.40	55.10	48.10	
10	25.80	78.60	89.40	149.80	97.65	134.10	307.30	146.70	382.95	176.80	55.10	51.60	
11	27.42	74.10	98.75	144.90	96.55	158.25	318.90	137.70	364.50	156.30	57.10	49.60	
12	23.80	87.75	120.90	141.90	92.15	153.05	324.10	119.70	343.60	141.90	54.60	43.68	
13	21.00	88.30	124.50	144.90	84.46	137.70	315.00	118.50	318.90	129.90	54.60	38.62	
14	19.00	87.20	128.10	150.45	85.55	142.50	296.30	108.65	288.80	118.50	55.10	35.86	
15	18.20	97.65	138.30	144.30	81.22	158.25	277.50	100.95	250.50	108.65	53.10	34.98	
16	18.20	92.15	141.30	142.50	71.10	155.00	270.50	108.10	212.00	100.95	47.60	36.78	
17	19.40	87.20	141.30	147.30	64.10	139.50	270.50	110.85	181.60	94.90	44.60	39.08	
18	25.00	102.60	126.90	156.30	59.10	123.30	271.50	111.95	161.50	89.95	45.10	40.00	
19	32.46	132.30	107.55	162.20	56.60	112.50	270.50	96.55	154.35	86.10	45.10	38.62	
20	36.32	131.70	92.70	160.85	80.68	103.70	267.50	98.20	156.30	85.00	41.84	37.70	
21	41.38	118.50	86.10	159.55	144.90	103.70	274.50	104.80	164.30	81.76	40.00	34.98	
22	41.84	110.30	93.80	155.00	168.50	98.20	289.85	98.20	165.00	79.10	41.38	33.30	
23	40.92	100.40	100.95	143.70	143.70	104.25	295.20	95.45	203.20	77.60	48.10	33.30	
24	38.16	84.46	90.50	130.50	104.25	105.35	297.40	85.00	269.50	77.60	48.10	31.62	
25	35.40	77.60	80.14	118.50	82.30	108.10	297.40	77.60	305.10	77.10	48.60	29.52	
26	33.30	82.84	80.14	114.90	72.10	119.10	295.20	72.10	334.50	72.60	45.60	32.04	
27	33.30	92.70	104.80	112.50	68.10	119.10	296.30	68.10	373.65	69.10	41.84	40.00	
28	33.72	100.95	127.50	112.50	66.10	113.10	297.40	64.60	417.00	70.10	52.60	34.56	
29	35.40	97.65	128.70	114.30	63.60	114.90	289.85	60.60	443.00	66.10		32.46	
30	38.16	98.20	142.50	113.10	60.10	132.90	273.50	62.60	446.60	61.60		32.46	
31		104.25		120.90	62.60		244.50		435.80	60.10		32.46	
TOTAL	837.58	2643.42	3275.73	4941.20	2618.77	3608.42	8182.45	3474.60	9209.05	4976.21	1425.46	1301.24	46494.13 CMSDAY
MEAN	27.92	85.27	109.19	159.39	84.48	120.28	263.95	115.82	297.07	160.52	50.91	41.98	127.38 CMS
MAX	41.84	132.30	142.50	255.50	168.50	160.20	324.10	211.20	446.60	418.70	60.10	66.60	446.60 CMS
MIN	18.20	43.22	80.14	112.50	56.60	81.76	123.90	60.60	108.10	60.10	40.00	29.52	18.20 CMS
RUNOFF	72.367	228.391	283.023	426.920	226.262	311.768	706.964	300.206	795.662	429.945	123.160	112.427	4017.093 MCM

MOMENTARY PEAK 448.40 CMS, AT 10.78 M (MSL), AT 6.00 HOURS, ON DEC 30, 1984
RUNOFF YIELD 24.50 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 86.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

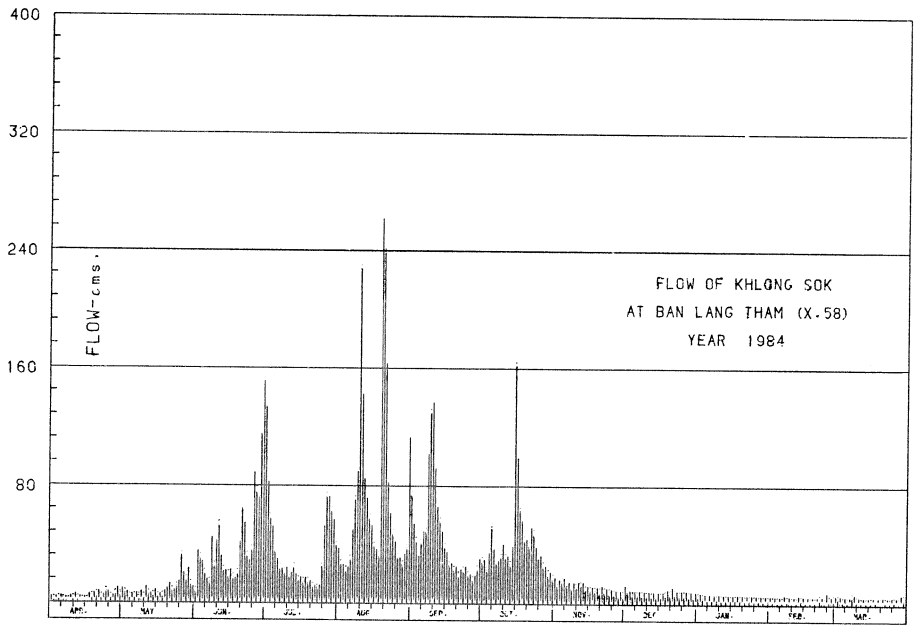
KHLONG SOK AT BAN LANG THAM, SURAT THANI (X.58)

LOCATION	LAT. 8-53-05 N., LONG. 98-40-06 E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THE BRIDGE OF TAKUAPA-SURAT THANI HIGHWAY, AMPHOE PHANOM, SURAT THANI.
DRAINAGE AREA	312 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.).
BENCH MARK	B.M.-H.D.
LOCATION	B.M.1 ABOUT 12 METERS FROM THE TOP STAFF GAGE, B.M.2 ABOUT 11.5 METERS FROM B.M.1.
ELEVATION	B.M.1 =+7.055 M (A.D.), B.M.2 =+6.942 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1980.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1980.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.66	0.69	4.03	1.66	2.73	1.48	1.00	0.77	0.54	0.42	0.45	
2	0.35	0.61	1.61	2.88	1.41	2.15	1.42	0.96	0.73	0.52	0.42	0.48	
3	0.34	0.52	1.54	2.34	1.30	1.89	1.26	0.94	0.61	0.50	0.41	0.44	
4	0.40	0.46	1.37	2.09	1.26	1.50	1.57	0.99	0.59	0.49	0.41	0.41	
5	0.38	0.45	1.18	1.66	1.24	1.86	2.18	0.98	0.59	0.48	0.40	0.40	
6	0.34	0.48	0.93	1.43	1.51	2.00	1.65	0.93	0.59	0.48	0.40	0.39	
7	0.31	0.48	0.95	1.31	2.03	2.07	1.44	0.87	0.59	0.47	0.45	0.39	
8	0.30	0.46	1.88	1.20	2.65	3.30	1.40	0.87	0.58	0.47	0.43	0.56	
9	0.37	0.53	1.35	1.20	3.04	3.93	1.56	0.86	0.57	0.47	0.41	0.49	
10	0.40	0.47	1.81	1.22	5.68	4.02	1.75	0.84	0.57	0.47	0.40	0.44	
11	0.45	0.70	2.20	1.10	4.13	3.14	1.55	0.88	0.56	0.47	0.39	0.39	
12	0.39	0.58	1.49	1.09	3.00	2.47	1.50	0.88	0.55	0.46	0.39	0.38	
13	0.35	0.47	1.25	1.33	2.62	2.27	1.40	0.87	0.55	0.46	0.44	0.37	
14	0.33	0.53	1.15	1.07	2.34	2.00	1.70	0.76	0.54	0.45	0.43	0.38	
15	0.32	0.59	1.14	1.01	2.12	1.77	4.53	0.75	0.54	0.45	0.41	0.38	
16	0.32	0.49	1.17	0.99	1.79	1.59	3.25	0.75	0.54	0.45	0.39	0.39	
17	0.45	0.45	1.07	0.97	1.64	1.38	2.46	0.73	0.54	0.45	0.39	0.38	
18	0.48	0.51	0.96	0.98	1.59	1.34	2.21	0.73	0.58	0.45	0.39	0.38	
19	0.48	0.55	1.18	0.97	6.21	1.27	1.91	0.71	0.63	0.45	0.39	0.37	
20	0.55	0.81	1.79	0.89	5.87	1.26	1.85	0.70	0.62	0.45	0.38	0.37	
21	0.54	0.81	2.51	0.84	4.51	1.14	1.81	0.76	0.71	0.44	0.39	0.39	
22	0.46	0.69	2.16	0.76	2.93	1.19	2.08	0.70	0.62	0.44	0.48	0.40	
23	0.42	0.59	1.58	0.79	2.36	1.26	2.04	0.68	0.59	0.44	0.41	0.37	
24	0.66	0.82	1.39	0.76	2.03	1.26	1.69	0.67	0.58	0.44	0.40	0.36	
25	0.53	0.88	1.71	1.32	1.80	1.14	1.58	0.65	0.59	0.44	0.54	0.38	
26	0.45	1.57	3.02	2.10	1.56	1.07	1.51	0.63	0.59	0.43	0.45	0.41	
27	0.40	1.10	2.80	2.71	1.46	1.02	1.38	0.60	0.58	0.43	0.41	0.38	
28	0.58	1.02	2.63	2.64	1.40	1.04	1.27	0.60	0.57	0.43	0.47	0.37	
29	0.67	1.20	3.64	2.47	1.54	1.29	1.19	0.59	0.56	0.42		0.48	
30	0.55	0.89	4.29	2.23	1.75	1.44	1.13	0.59	0.55	0.42		0.49	
31		0.71		1.79	3.54		1.08		0.55	0.42		0.46	
MEAN	0.43	0.68	1.75	1.55	2.52	1.86	1.77	0.78	0.59	0.46	0.42	0.41	
MAX	0.67	1.57	4.29	4.03	6.21	4.02	4.53	1.00	0.77	0.54	0.54	0.56	6.21
MIN	0.30	0.45	0.69	0.76	1.24	1.02	1.08	0.59	0.54	0.42	0.38	0.36	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.83 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.30 M (A.D)
LEFT BANK ELEVATION 10.60 M (A.D)
RIGHT BANK ELEVATION 11.30 M (A.D), DRAINAGE AREA 312 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.25	10.20	10.80	137.16	37.38	76.20	31.68	18.00	12.40	7.80	5.40	6.00	
2	4.25	9.20	35.73	82.60	29.51	54.25	29.82	17.00	11.60	7.40	5.40	6.60	
3	4.10	7.40	33.54	60.90	26.40	45.15	25.28	16.50	9.20	7.00	5.20	5.80	
4	5.00	6.20	28.36	52.15	25.28	32.30	34.47	17.75	8.80	6.80	5.20	5.20	
5	4.70	6.00	23.04	37.38	24.72	44.10	55.30	17.50	8.80	6.60	5.00	5.00	
6	4.10	6.60	16.25	30.13	32.61	49.00	37.05	16.25	8.80	6.60	5.00	4.85	
7	3.65	6.60	16.75	26.68	50.05	51.45	30.44	14.75	8.80	6.40	6.00	4.85	
8	3.50	6.20	44.80	23.60	73.00	101.50	29.20	14.75	8.60	6.40	5.60	8.20	
9	4.55	7.60	27.80	23.60	89.80	132.10	34.16	14.50	8.40	6.40	5.20	6.80	
10	5.00	6.40	42.35	24.16	229.80	136.64	40.35	14.00	8.40	6.40	5.00	5.80	
11	6.00	11.00	56.00	20.80	142.36	94.30	33.85	15.00	8.20	6.40	4.85	4.85	
12	4.85	8.60	31.99	20.52	88.00	65.80	32.30	15.00	8.00	6.20	4.85	4.70	
13	4.25	6.40	25.00	27.24	71.80	58.45	29.20	14.75	8.00	6.20	5.80	4.55	
14	3.95	7.60	22.20	19.96	60.90	49.00	38.70	12.20	7.80	6.00	5.60	4.70	
15	3.80	8.80	21.92	18.28	53.20	41.01	164.15	12.00	7.80	6.00	5.20	4.70	
16	3.80	6.80	22.76	17.75	41.67	35.09	99.25	12.00	7.80	6.00	4.85	4.85	
17	6.00	6.00	19.96	17.25	36.72	28.64	65.40	11.60	7.80	6.00	4.85	4.70	
18	6.60	7.20	17.00	17.50	35.09	27.52	56.35	11.60	8.60	6.00	4.85	4.70	
19	6.60	8.00	23.04	17.25	261.60	25.56	45.85	11.20	9.60	6.00	4.85	4.55	
20	8.00	13.25	41.67	15.25	241.20	25.28	43.75	11.00	9.40	6.00	4.70	4.55	
21	7.80	13.25	67.40	14.00	163.05	21.92	42.35	12.20	11.20	5.80	4.85	4.85	
22	6.20	10.80	54.60	12.20	84.85	23.32	51.80	11.00	9.40	5.80	6.60	5.00	
23	5.40	8.80	34.78	12.80	61.60	25.28	50.40	10.60	8.80	5.80	5.20	4.55	
24	10.20	13.50	28.92	12.20	50.05	25.28	38.37	10.40	8.60	5.80	5.00	4.40	
25	7.60	15.00	39.03	26.96	42.00	21.92	34.78	10.00	8.80	5.80	7.80	4.70	
26	6.00	34.47	88.90	52.50	34.16	19.96	32.61	9.60	8.80	5.60	6.00	5.20	
27	5.00	20.80	79.00	75.40	31.06	18.56	28.64	9.00	8.60	5.60	5.20	4.70	
28	8.60	18.56	72.20	72.60	29.20	19.12	25.56	9.00	8.40	5.60	6.40	4.55	
29	10.40	23.60	117.60	65.80	33.54	26.12	23.32	8.80	8.20	5.40		6.60	
30	8.00	15.25	150.95	57.05	40.35	30.44	21.64	8.80	8.00	5.40		6.80	
31		11.20		41.67	112.72		20.24		8.00	5.40		6.20	
TOTAL	172.15	341.28	1294.34	1133.34	2333.67	1405.26	1326.26	386.75	273.60	190.60	150.45	163.50	9171.20 CMSDAY
MEAN	5.74	11.01	43.14	36.56	75.28	46.84	42.78	12.89	8.83	6.15	5.37	5.27	25.13 CMS
MAX	10.40	34.47	150.95	137.16	261.60	136.64	164.15	18.00	12.40	7.80	7.80	8.20	261.60 CMS
MIN	3.50	6.00	10.80	12.20	24.72	18.56	20.24	8.80	7.80	5.40	4.70	4.40	3.50 CMS
RUNOFF	14.874	29.487	111.831	97.921	201.629	121.414	114.589	33.415	23.639	16.468	12.999	14.126	792.392 MCM

MOMENTARY PEAK 297.70 CMS, AT 6.83 M (A.D), AT 18.00 HOURS, ON AUG 19, 1984

RUNOFF YIELD 80.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 954.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

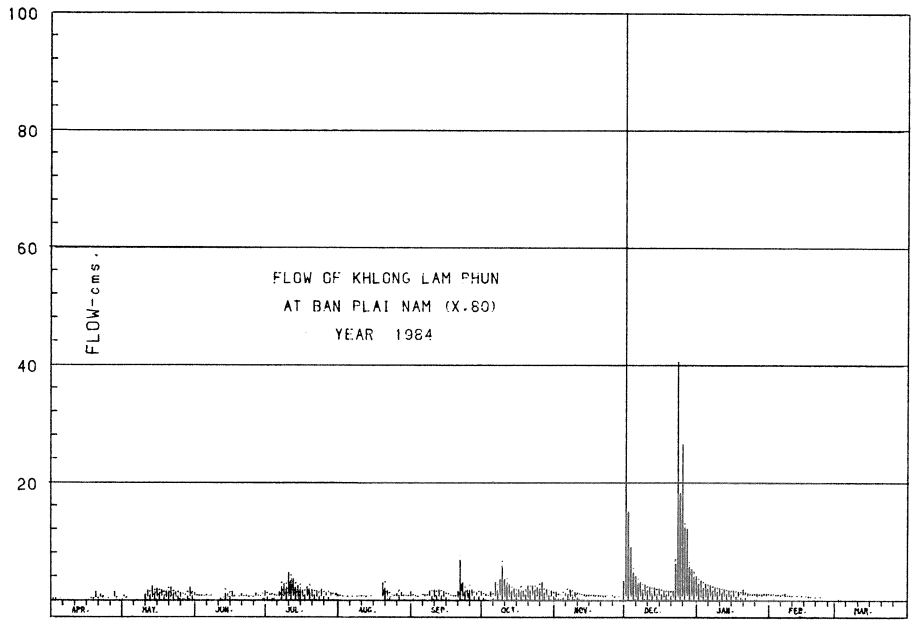
KHLONG LAM PHUN AT BAN PLAI NAM, SURAT THANI (X.80)

LOCATION	LAT. 8-52-23 N., LONG. 99-25-59 E., ON LEFT BANK AT BAN PLAI NAM, TAMBON LAM PHUN, AMPHOE BAN NA SAN, SURAT THANI.
DRAINAGE AREA	114 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M. -H.D.
LOCATION	ON LEFT BANK INFRONT OF THE KHAO NOI SCHOOL AND ABOUT 2 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+2.743 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +0.67 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 85 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.45	0.46	0.52	0.45	0.47	0.50	0.53	2.90	0.77	0.48	0.39	
2	0.34	0.41	0.45	0.48	0.44	0.45	0.48	0.49	1.31	0.74	0.48	0.45	
3	0.33	0.39	0.45	0.49	0.43	0.43	0.46	0.47	1.08	0.71	0.47	0.40	
4	0.33	0.37	0.44	0.47	0.43	0.44	0.53	0.53	0.90	0.68	0.47	0.40	
5	0.33	0.39	0.46	0.45	0.43	0.47	0.49	0.50	0.81	0.67	0.46	0.39	
6	0.33	0.43	0.44	0.53	0.43	0.47	0.71	0.60	0.77	0.66	0.47	0.36	
7	0.33	0.39	0.45	0.71	0.43	0.47	0.67	0.57	0.71	0.64	0.49	0.39	
8	0.32	0.42	0.41	0.68	0.43	0.55	0.76	0.56	0.68	0.62	0.45	0.42	
9	0.32	0.39	0.41	0.69	0.44	0.56	0.97	0.52	0.67	0.62	0.45	0.40	
10	0.32	0.56	0.41	0.85	0.44	0.57	0.76	0.51	0.64	0.61	0.44	0.39	
11	0.32	0.56	0.48	0.82	0.44	0.55	0.77	0.49	0.63	0.60	0.44	0.38	
12	0.31	0.55	0.43	0.77	0.43	0.57	0.67	0.48	0.62	0.59	0.44	0.38	
13	0.31	0.64	0.59	0.70	0.43	0.56	0.63	0.47	0.62	0.58	0.46	0.37	
14	0.30	0.58	0.48	0.65	0.44	0.54	0.60	0.46	0.60	0.56	0.44	0.37	
15	0.30	0.60	0.53	0.67	0.41	0.51	0.59	0.46	0.60	0.56	0.43	0.40	
16	0.30	0.58	0.53	0.56	0.41	0.50	0.58	0.46	0.58	0.56	0.43	0.39	
17	0.38	0.57	0.45	0.57	0.40	0.46	0.64	0.46	0.56	0.55	0.43	0.40	
18	0.34	0.55	0.43	0.63	0.40	0.45	0.55	0.46	0.56	0.53	0.42	0.37	
19	0.53	0.54	0.43	0.67	0.70	0.45	0.58	0.45	0.55	0.53	0.42	0.36	
20	0.38	0.62	0.48	0.58	0.72	0.54	0.65	0.45	0.55	0.58	0.41	0.35	
21	0.47	0.62	0.44	0.56	0.55	1.02	0.65	0.44	0.55	0.52	0.42	0.35	
22	0.43	0.56	0.45	0.55	0.52	0.70	0.65	0.44	0.99	0.50	0.41	0.35	
23	0.40	0.52	0.43	0.53	0.47	0.63	0.65	0.43	1.85	0.48	0.40	0.35	
24	0.38	0.54	0.43	0.58	0.46	0.57	0.62	0.44	1.41	0.48	0.40	0.35	
25	0.37	0.51	0.42	0.54	0.49	0.66	0.68	0.45	1.58	0.49	0.39	0.35	
26	0.39	0.50	0.50	0.51	0.57	0.58	0.71	0.42	1.23	0.49	0.39	0.37	
27	0.53	0.47	0.45	0.54	0.52	0.53	0.60	0.42	1.20	0.48	0.41	0.37	
28	0.41	0.54	0.44	0.51	0.46	0.52	0.58	0.42	0.96	0.48	0.36	0.40	
29	0.38	0.62	0.50	0.50	0.45	0.55	0.57	0.44	0.89	0.49		0.40	
30	0.35	0.53	0.55	0.49	0.45	0.54	0.55	0.80	0.86	0.49		0.40	
31		0.51		0.46	0.53		0.53		0.81	0.48		0.37	
MEAN	0.36	0.51	0.46	0.59	0.47	0.54	0.63	0.49	0.92	0.57	0.43	0.38	
MAX	0.53	0.64	0.59	0.85	0.72	1.02	0.97	0.80	2.90	0.77	0.49	0.45	2.90
MIN	0.30	0.37	0.41	0.45	0.40	0.43	0.46	0.42	0.55	0.48	0.36	0.35	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.50 M (A.D), AT 9.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 3.94 M (A.D)
RIGHT BANK ELEVATION 3.39 M (A.D), DRAINAGE AREA 114 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.37	0.85	0.92	1.36	0.85	0.99	1.20	1.44	135.50	3.70	1.06	0.47	
2	0.35	0.57	0.85	1.06	0.78	0.85	1.06	1.13	15.62	3.40	1.06	0.85	
3	0.33	0.47	0.85	1.13	0.71	0.71	0.92	0.99	9.04	3.10	0.99	0.50	
4	0.33	0.43	0.78	0.99	0.71	0.78	1.44	1.44	5.50	2.80	0.99	0.50	
5	0.33	0.47	0.92	0.85	0.71	0.99	1.13	1.20	4.15	2.70	0.92	0.47	
6	0.33	0.71	0.78	1.44	0.71	0.99	3.10	2.00	3.70	2.60	0.99	0.40	
7	0.33	0.47	0.85	3.10	0.71	0.99	2.70	1.76	3.10	2.40	1.13	0.47	
8	0.30	0.64	0.57	2.80	0.71	1.60	3.60	1.68	2.80	2.20	0.85	0.64	
9	0.30	0.47	0.57	2.90	0.78	1.68	6.69	1.36	2.70	2.20	0.85	0.50	
10	0.30	1.68	0.57	4.75	0.78	1.76	3.60	1.28	2.40	2.10	0.78	0.47	
11	0.30	1.68	1.06	4.30	0.78	1.60	3.70	1.13	2.30	2.00	0.78	0.45	
12	0.28	1.60	0.71	3.70	0.71	1.76	2.70	1.06	2.20	1.92	0.78	0.45	
13	0.28	2.40	1.92	3.00	0.71	1.68	2.30	0.99	2.20	1.84	0.92	0.43	
14	0.25	1.84	1.06	2.50	0.78	1.52	2.00	0.92	2.00	1.68	0.78	0.43	
15	0.25	2.00	1.44	2.70	0.57	1.28	1.92	0.92	2.00	1.68	0.71	0.50	
16	0.25	1.84	1.44	1.68	0.57	1.20	1.84	0.92	1.84	1.68	0.71	0.47	
17	0.45	1.76	0.85	1.76	0.50	0.92	2.40	0.92	1.68	1.60	0.71	0.50	
18	0.35	1.60	0.71	2.30	0.50	0.85	1.60	0.92	1.68	1.44	0.64	0.43	
19	1.44	1.52	0.71	2.70	3.00	0.85	1.84	0.85	1.60	1.44	0.64	0.40	
20	0.45	2.20	1.06	1.84	3.20	1.52	2.50	0.85	1.60	1.84	0.57	0.37	
21	0.99	2.20	0.78	1.68	1.60	7.66	2.50	0.78	1.60	1.36	0.64	0.37	
22	0.71	1.68	0.85	1.60	1.36	3.00	2.50	0.78	7.03	1.20	0.57	0.37	
23	0.50	1.36	0.71	1.44	0.99	2.30	2.50	0.71	40.60	1.06	0.50	0.37	
24	0.45	1.52	0.71	1.84	0.92	1.76	2.20	0.78	18.95	1.06	0.50	0.37	
25	0.43	1.28	0.64	1.52	1.13	2.60	2.80	0.85	26.60	1.13	0.47	0.37	
26	0.47	1.20	1.20	1.28	1.76	1.84	3.10	0.64	13.13	1.13	0.47	0.43	
27	1.44	0.99	0.85	1.52	1.36	1.44	2.00	0.64	12.20	1.06	0.57	0.43	
28	0.57	1.52	0.78	1.28	0.92	1.36	1.84	0.64	6.52	1.06	0.40	0.50	
29	0.45	2.20	1.20	1.20	0.85	1.60	1.76	0.78	5.35	1.13		0.50	
30	0.37	1.44	1.60	1.13	0.85	1.52	1.60	4.00	4.90	1.13		0.50	
31		1.28		0.92	1.44		1.44		4.15	1.06		0.43	
TOTAL	13.95	41.87	27.94	62.27	31.95	49.60	72.48	34.36	344.64	56.70	20.98	14.34	771.08 CMSDAY
MEAN	0.47	1.35	0.93	2.01	1.03	1.65	2.34	1.15	11.12	1.83	0.75	0.46	2.11 CMS
MAX	1.44	2.40	1.92	4.75	3.20	7.66	6.69	4.00	135.50	3.70	1.13	0.85	135.50 CMS
MIN	0.25	0.43	0.57	0.85	0.50	0.71	0.92	0.64	1.60	1.06	0.40	0.37	0.25 CMS
RUNOFF	1.205	3.618	2.414	5.380	2.760	4.285	6.262	2.969	29.777	4.899	1.813	1.239	66.621 MCM

MOMENTARY PEAK 216.50 CMS, AT 3.50 M (A.D), AT 9.00 HOURS, ON DEC 1, 1984

RUNOFF YIELD 18.53 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1899.12 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

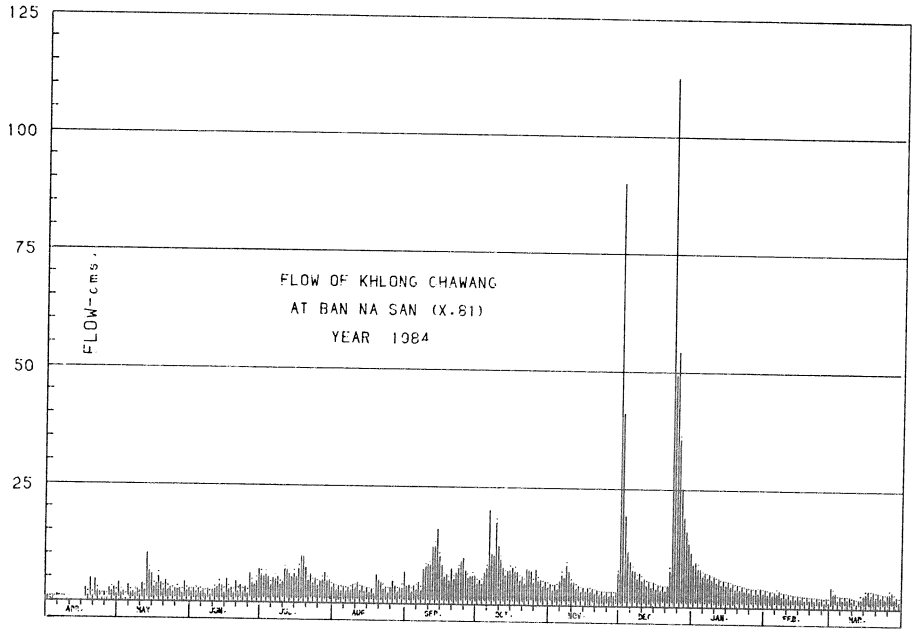
KHLONG CHAWANG AT BAN NA SAN, SURAT THANI (X.81)

LOCATION	LAT. 8-48-16 N., LONG. 99-22-27 E., ON LEFT BANK AT BAN NA SAN, TAMBON BAN NA SAN, AMPHOE BAN NA SAN, SURAT THANI.
DRAINAGE AREA	219.SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE PUMPING STATION.
ELEVATION	+3.797 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.93 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 134 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	1.42	1.29	1.72	1.43	1.48	1.57	1.49	3.55	1.97	1.41	1.47	
2	1.00	1.26	1.29	1.58	1.41	1.42	1.55	1.46	2.96	1.95	1.39	1.43	
3	1.00	1.17	1.33	1.71	1.39	1.36	1.58	1.47	2.46	1.92	1.37	1.34	
4	1.00	1.13	1.28	1.58	1.39	1.41	1.71	1.49	2.15	1.83	1.36	1.27	
5	1.05	1.36	1.30	1.48	1.37	1.45	1.87	1.55	1.95	1.78	1.35	1.26	
6	1.02	1.25	1.26	1.55	1.36	1.50	2.49	1.76	1.87	1.76	1.42	1.25	
7	1.01	1.16	1.25	1.63	1.35	1.40	2.10	1.62	1.78	1.75	1.38	1.25	
8	1.00	1.27	1.28	1.58	1.39	1.77	2.02	1.93	1.71	1.73	1.34	1.25	
9	0.98	1.25	1.24	1.50	1.42	1.88	2.43	1.75	1.74	1.70	1.33	1.24	
10	0.98	1.19	1.24	1.47	1.43	1.87	2.16	1.59	1.68	1.69	1.32	1.21	
11	0.97	1.40	1.36	1.81	1.48	1.92	2.02	1.53	1.62	1.65	1.31	1.19	
12	0.96	1.36	1.32	1.73	1.40	2.14	1.82	1.49	1.58	1.64	1.30	1.17	
13	0.95	2.01	1.49	1.75	1.39	2.21	1.76	1.45	1.57	1.61	1.29	1.15	
14	0.94	1.77	1.36	1.58	1.37	2.34	1.75	1.42	1.55	1.60	1.28	1.29	
15	0.94	1.62	1.32	1.73	1.35	2.06	1.86	1.41	1.55	1.59	1.27	1.27	
16	0.94	1.42	1.52	1.58	1.34	1.85	1.82	1.45	1.52	1.58	1.26	1.40	
17	1.29	1.40	1.37	1.84	1.32	1.70	1.84	1.40	1.50	1.56	1.25	1.40	
18	1.18	1.66	1.31	1.98	1.33	1.67	1.73	1.41	1.48	1.54	1.24	1.39	
19	1.51	1.42	1.29	2.06	1.64	1.63	1.66	1.38	1.47	1.52	1.24	1.38	
20	1.17	1.37	1.47	1.78	1.63	1.79	1.64	1.37	1.47	1.51	1.23	1.36	
21	1.49	1.48	1.33	1.59	1.48	1.64	1.59	1.35	1.47	1.50	1.22	1.35	
22	1.31	1.36	1.38	1.64	1.44	1.70	1.80	1.34	1.86	1.48	1.22	1.34	
23	1.15	1.31	1.31	1.54	1.37	1.86	1.86	1.33	3.75	1.47	1.21	1.32	
24	1.14	1.32	1.34	1.55	1.36	1.92	1.75	1.33	3.09	1.45	1.20	1.32	
25	1.14	1.28	1.29	1.52	1.36	2.04	1.59	1.32	3.15	1.44	1.19	1.31	
26	1.13	1.37	1.65	1.50	1.61	1.75	1.79	1.32	2.87	1.43	1.18	1.41	
27	1.27	1.28	1.52	1.60	1.40	1.69	1.63	1.32	2.63	1.42	1.20	1.37	
28	1.33	1.29	1.39	1.68	1.36	1.63	1.57	1.31	2.48	1.42	1.19	1.32	
29	1.30	1.45	1.58	1.59	1.35	1.72	1.55	1.31	2.34	1.44		1.24	
30	1.25	1.32	1.74	1.52	1.45	1.65	1.54	1.80	2.26	1.43		1.22	
31		1.29		1.46	1.71		1.52		2.10	1.42		1.30	
MEAN	1.11	1.38	1.37	1.64	1.42	1.75	1.79	1.47	2.10	1.61	1.28	1.31	
MAX	1.51	2.01	1.74	2.06	1.71	2.34	2.49	1.93	3.75	1.97	1.42	1.47	3.75
MIN	0.94	1.13	1.24	1.46	1.32	1.36	1.52	1.31	1.47	1.42	1.18	1.15	0.94

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.08 M (A.D), AT 12.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.70 M (A.D)
LEFT BANK ELEVATION 4.50 M (A.D)
RIGHT BANK ELEVATION 3.62 M (A.D), DRAINAGE AREA 219 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	3.98	2.83	6.90	4.07	4.52	5.40	4.61	90.00	9.81	3.89	4.43	
2	1.00	2.62	2.83	5.50	3.89	3.98	5.20	4.34	41.60	9.55	3.71	4.07	
3	1.00	1.99	3.17	6.80	3.71	3.44	5.50	4.43	19.24	9.16	3.53	3.26	
4	1.00	1.71	2.76	5.50	3.71	3.89	6.80	4.61	12.35	8.06	3.44	2.69	
5	1.25	3.44	2.90	4.52	3.53	4.25	8.54	5.20	9.55	7.50	3.35	2.62	
6	1.10	2.55	2.62	5.20	3.44	4.70	20.11	7.30	8.54	7.30	3.98	2.55	
7	1.05	1.92	2.55	6.00	3.35	3.80	11.50	5.90	7.50	7.20	3.62	2.55	
8	1.00	2.69	2.76	5.50	3.71	7.40	10.46	9.29	6.80	7.00	3.26	2.55	
9	0.90	2.55	2.48	4.70	3.98	8.66	18.37	7.20	7.10	6.70	3.17	2.48	
10	0.90	2.13	2.48	4.43	4.07	8.54	12.52	5.60	6.50	6.60	3.08	2.27	
11	0.85	3.80	3.44	7.82	4.52	9.16	10.46	5.00	5.90	6.20	2.99	2.13	
12	0.80	3.44	3.08	7.00	3.80	12.18	7.94	4.61	5.50	6.10	2.90	1.99	
13	0.75	10.33	4.61	7.20	3.71	13.38	7.30	4.25	5.40	5.80	2.83	1.85	
14	0.70	7.40	3.44	5.50	3.53	16.00	7.20	3.98	5.20	5.70	2.76	2.83	
15	0.70	5.90	3.08	7.00	3.35	10.98	8.42	3.89	5.20	5.60	2.69	2.69	
16	0.70	3.98	4.90	5.50	3.26	8.30	7.94	4.25	4.90	5.50	2.62	3.80	
17	2.83	3.80	3.53	8.18	3.08	6.70	8.18	3.80	4.70	5.30	2.55	3.80	
18	2.06	6.30	2.99	9.94	3.17	6.40	7.00	3.89	4.52	5.10	2.48	3.71	
19	4.80	3.98	2.83	10.98	6.10	6.00	6.30	3.62	4.43	4.90	2.48	3.62	
20	1.99	3.53	4.43	7.50	6.00	7.60	6.10	3.53	4.43	4.80	2.41	3.44	
21	4.61	4.52	3.17	5.60	4.52	6.10	5.60	3.35	4.43	4.70	2.34	3.35	
22	2.99	3.44	3.62	6.10	4.16	6.70	7.70	3.26	8.42	4.52	2.34	3.26	
23	1.85	2.99	2.99	5.10	3.53	8.42	8.42	3.17	112.50	4.43	2.27	3.08	
24	1.78	3.08	3.26	5.20	3.44	9.16	7.20	3.17	49.85	4.25	2.20	3.08	
25	1.78	2.76	2.83	4.90	3.44	10.72	5.60	3.08	54.25	4.16	2.13	2.99	
26	1.71	3.53	6.20	4.70	5.80	7.20	7.60	3.08	36.35	4.07	2.06	3.89	
27	2.69	2.76	4.90	5.70	3.80	6.60	6.00	3.08	25.20	3.98	2.20	3.53	
28	3.17	2.83	3.71	6.50	3.44	6.00	5.40	2.99	19.82	3.98	2.13	3.08	
29	2.90	4.25	5.50	5.60	3.35	6.90	5.20	2.99	16.00	4.16		2.48	
30	2.55	3.08	7.10	4.90	4.25	6.20	5.10	7.70	14.28	4.07		2.34	
31		2.83		4.34	6.80		4.90		11.50	3.98		2.90	
TOTAL	52.41	114.11	106.99	190.31	124.51	223.88	249.96	135.17	611.96	180.18	79.41	93.31	2162.20 CMSDAY
MEAN	1.75	3.68	3.57	6.14	4.02	7.46	8.06	4.51	19.74	5.81	2.84	3.01	5.92 CMS
MAX	4.80	10.33	7.10	10.98	6.80	16.00	20.11	9.29	112.50	9.81	3.98	4.43	112.50 CMS
MIN	0.70	1.71	2.48	4.34	3.08	3.44	4.90	2.99	4.43	3.98	2.06	1.85	0.70 CMS
RUNOFF	4.528	9.859	9.244	16.443	10.758	19.343	21.597	11.679	52.873	15.568	6.861	8.062	186.814 MCM

MOMENTARY PEAK 156.20 CMS, AT 4.08 M (A.D), AT 12.00 HOURS, ON DEC 1, 1984

RUNOFF YIELD 27.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 713.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

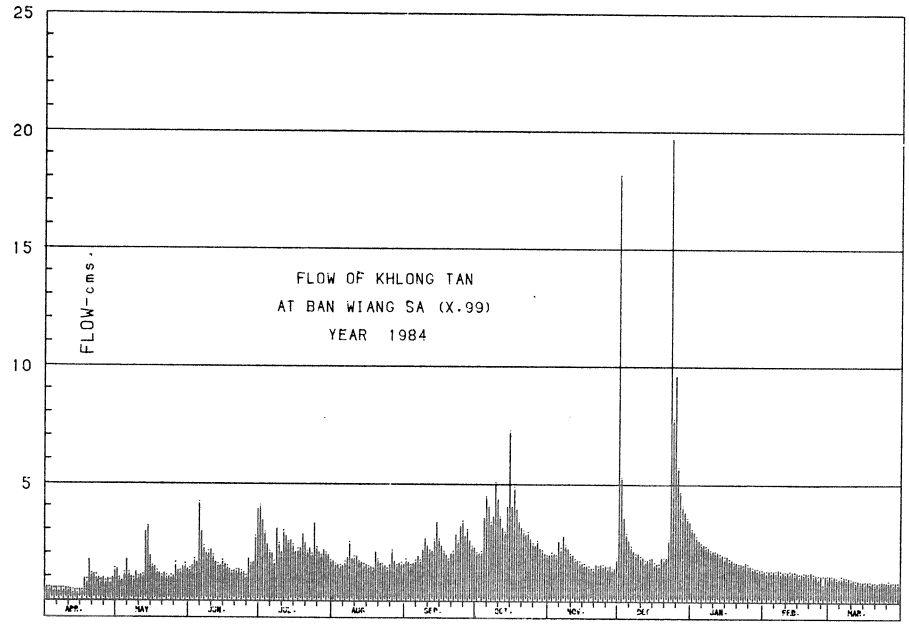
KHLONG TAN AT WIANG SA, SURAT THANI (X.99)

LOCATION	LAT. 8-38-07 N., LONG. 99-22-59 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY NEAR BAN WIANG SA SCHOOL, AMPHOE WIANG SA, SURAT THANI.
DRAINAGE AREA	62 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+4.783 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 86 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.41	0.42	0.89	0.48	0.50	0.55	0.53	2.54	0.72	0.40	0.35	
2	0.21	0.32	0.44	0.78	0.46	0.47	0.54	0.55	1.07	0.70	0.40	0.35	
3	0.20	0.29	0.50	0.70	0.45	0.45	0.56	0.54	0.80	0.67	0.40	0.34	
4	0.20	0.38	0.47	0.61	0.45	0.46	0.80	0.53	0.69	0.64	0.40	0.33	
5	0.20	0.49	0.91	0.56	0.44	0.49	0.95	0.63	0.64	0.62	0.40	0.32	
6	0.20	0.38	0.70	0.54	0.48	0.52	0.88	0.59	0.60	0.61	0.40	0.35	
7	0.20	0.33	0.60	0.48	0.51	0.49	0.77	0.67	0.56	0.60	0.41	0.34	
8	0.20	0.32	0.54	0.72	0.63	0.57	0.81	0.61	0.54	0.59	0.40	0.33	
9	0.19	0.38	0.56	0.62	0.50	0.65	1.04	0.58	0.54	0.57	0.39	0.33	
10	0.19	0.34	0.57	0.55	0.52	0.60	0.93	0.54	0.52	0.56	0.39	0.32	
11	0.18	0.35	0.53	0.71	0.52	0.57	0.81	0.53	0.51	0.56	0.39	0.31	
12	0.18	0.36	0.47	0.67	0.48	0.56	0.73	0.50	0.49	0.55	0.40	0.30	
13	0.17	0.70	0.46	0.63	0.47	0.65	0.70	0.49	0.49	0.54	0.39	0.30	
14	0.17	0.74	0.44	0.64	0.46	0.77	0.88	0.48	0.50	0.53	0.39	0.29	
15	0.17	0.52	0.49	0.61	0.45	0.65	1.34	0.46	0.51	0.52	0.38	0.29	
16	0.17	0.44	0.45	0.55	0.44	0.60	0.88	0.46	0.47	0.52	0.37	0.29	
17	0.31	0.43	0.44	0.58	0.43	0.56	1.01	0.44	0.46	0.50	0.37	0.29	
18	0.31	0.40	0.41	0.58	0.42	0.53	0.86	0.44	0.46	0.49	0.38	0.29	
19	0.49	0.37	0.39	0.68	0.55	0.50	0.79	0.42	0.51	0.47	0.38	0.28	
20	0.37	0.35	0.40	0.62	0.50	0.54	0.73	0.42	0.51	0.47	0.37	0.28	
21	0.36	0.37	0.41	0.56	0.46	0.56	0.71	0.45	0.51	0.46	0.39	0.27	
22	0.36	0.35	0.41	0.58	0.46	0.68	0.68	0.44	0.65	0.46	0.37	0.28	
23	0.32	0.33	0.40	0.54	0.44	0.64	0.70	0.45	2.69	0.45	0.36	0.29	
24	0.30	0.35	0.38	0.76	0.42	0.74	0.65	0.45	1.40	0.47	0.35	0.28	
25	0.32	0.34	0.35	0.59	0.45	0.78	0.62	0.44	1.63	0.46	0.35	0.28	
26	0.29	0.47	0.50	0.55	0.57	0.67	0.60	0.43	1.13	0.44	0.34	0.30	
27	0.31	0.40	0.46	0.53	0.48	0.72	0.64	0.44	0.98	0.43	0.35	0.28	
28	0.30	0.40	0.47	0.57	0.45	0.64	0.58	0.42	0.89	0.42	0.35	0.28	
29	0.32	0.43	0.67	0.55	0.46	0.60	0.57	0.42	0.84	0.42		0.28	
30	0.42	0.46	0.86	0.53	0.47	0.59	0.54	0.51	0.80	0.41		0.28	
31		0.41		0.49	0.45		0.53		0.77	0.41		0.27	
MEAN	0.26	0.41	0.50	0.61	0.48	0.59	0.75	0.50	0.83	0.52	0.38	0.30	
MAX	0.49	0.74	0.91	0.89	0.63	0.78	1.34	0.67	2.69	0.72	0.41	0.35	2.69
MIN	0.17	0.29	0.35	0.48	0.42	0.45	0.53	0.42	0.46	0.41	0.34	0.27	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.98 M (A.D), AT 11.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.10 M (A.D)
LEFT BANK ELEVATION 6.54 M (A.D)
RIGHT BANK ELEVATION 6.54 M (A.D), DRAINAGE AREA 62 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	1.35	1.40	4.09	1.70	1.80	2.08	1.96	18.15	3.07	1.30	1.10	
2	0.58	0.98	1.50	3.43	1.60	1.65	2.02	2.08	5.29	2.95	1.30	1.10	
3	0.55	0.86	1.80	2.95	1.55	1.55	2.13	2.02	3.55	2.77	1.30	1.06	
4	0.55	1.22	1.65	2.41	1.55	1.60	3.55	1.96	2.89	2.59	1.30	1.02	
5	0.55	1.75	4.22	2.13	1.50	1.75	4.48	2.53	2.59	2.47	1.30	0.98	
6	0.55	1.22	2.95	2.02	1.70	1.91	4.03	2.29	2.35	2.41	1.30	1.10	
7	0.55	1.02	2.35	1.70	1.85	1.75	3.37	2.77	2.13	2.35	1.35	1.06	
8	0.55	0.98	2.02	3.07	2.53	2.18	3.61	2.41	2.02	2.29	1.30	1.02	
9	0.52	1.22	2.13	2.47	1.80	2.65	5.08	2.24	2.02	2.18	1.26	1.02	
10	0.52	1.06	2.18	2.08	1.91	2.35	4.35	2.02	1.91	2.13	1.26	0.98	
11	0.49	1.10	1.96	3.01	1.91	2.18	3.61	1.96	1.85	2.13	1.26	0.94	
12	0.49	1.14	1.65	2.77	1.70	2.13	3.13	1.80	1.75	2.08	1.30	0.90	
13	0.46	2.95	1.60	2.53	1.65	2.65	2.95	1.75	1.75	2.02	1.26	0.90	
14	0.46	3.19	1.50	2.59	1.60	3.37	4.03	1.70	1.80	1.96	1.26	0.86	
15	0.46	1.91	1.75	2.41	1.55	2.65	7.27	1.60	1.85	1.91	1.22	0.86	
16	0.46	1.50	1.55	2.08	1.50	2.35	4.03	1.60	1.65	1.91	1.18	0.86	
17	0.94	1.45	1.50	2.24	1.45	2.13	4.87	1.50	1.60	1.80	1.18	0.86	
18	0.94	1.30	1.35	2.24	1.40	1.96	3.91	1.50	1.60	1.75	1.22	0.86	
19	1.75	1.18	1.26	2.83	2.08	1.80	3.49	1.40	1.85	1.65	1.22	0.83	
20	1.18	1.10	1.30	2.47	1.80	2.02	3.13	1.40	1.85	1.65	1.18	0.83	
21	1.14	1.18	1.35	2.13	1.60	2.13	3.01	1.55	1.85	1.60	1.26	0.80	
22	1.14	1.10	1.35	2.24	1.60	2.83	2.83	1.50	2.65	1.60	1.18	0.83	
23	0.98	1.02	1.30	2.02	1.50	2.59	2.95	1.55	19.69	1.55	1.14	0.86	
24	0.90	1.10	1.22	3.31	1.40	3.19	2.65	1.55	7.75	1.65	1.10	0.83	
25	0.98	1.06	1.10	2.29	1.55	3.43	2.47	1.50	9.59	1.60	1.10	0.83	
26	0.86	1.65	1.80	2.08	2.18	2.77	2.35	1.45	5.71	1.50	1.06	0.90	
27	0.94	1.30	1.60	1.96	1.70	3.07	2.59	1.50	4.67	1.45	1.10	0.83	
28	0.90	1.30	1.65	2.18	1.55	2.59	2.24	1.40	4.09	1.40	1.10	0.83	
29	0.98	1.45	2.77	2.08	1.60	2.35	2.18	1.40	3.79	1.40		0.83	
30	1.40	1.60	3.91	1.96	1.65	2.29	2.02	1.85	3.55	1.35		0.83	
31		1.35		1.75	1.55		1.96		3.37	1.35		0.80	
TOTAL	23.35	42.59	55.67	75.52	52.21	69.67	102.37	53.74	127.16	60.52	34.29	28.31	725.40 CMSDAY
MEAN	0.78	1.37	1.86	2.44	1.68	2.32	3.30	1.79	4.10	1.95	1.22	0.91	1.99 CMS
MAX	1.75	3.19	4.22	4.09	2.53	3.43	7.27	2.77	19.69	3.07	1.35	1.10	19.69 CMS
MIN	0.46	0.86	1.10	1.70	1.40	1.55	1.96	1.40	1.60	1.35	1.06	0.80	0.46 CMS
RUNOFF	2.017	3.680	4.810	6.525	4.511	6.019	8.845	4.643	10.987	5.229	2.963	2.446	62.675 MCM

MOMENTARY PEAK 22.88 CMS, AT 2.98 M (A.D), AT 11.00 HOURS, ON DEC 1, 1984

RUNOFF YIELD 32.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 369.03 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

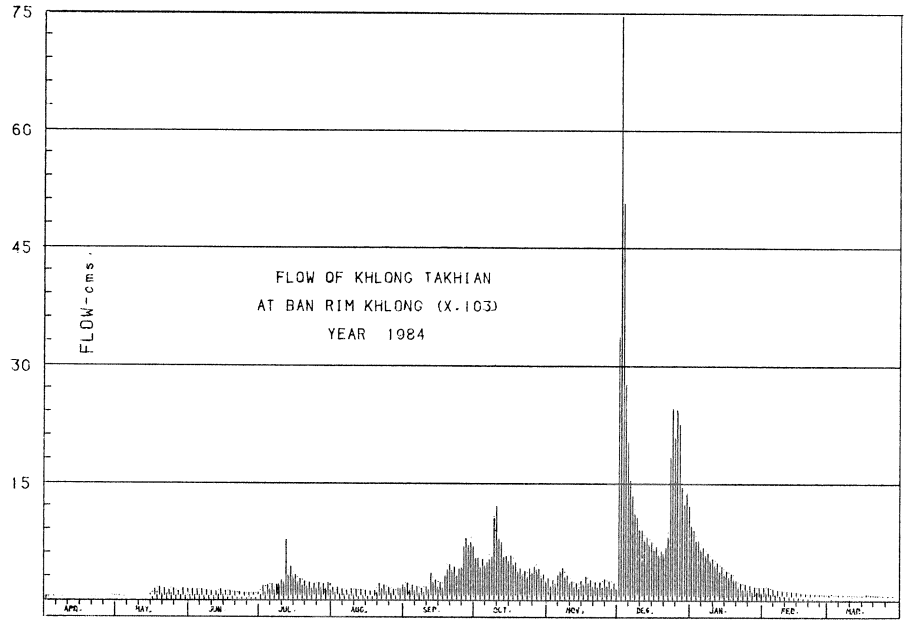
KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9-25-31 N., LONG. 99-09-44 E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.201 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+14.745 M. (M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 86 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.70	7.75	8.05	8.03	8.10	8.26	8.87	8.37	11.13	9.34	8.12	7.81	
2	7.70	7.75	8.05	8.17	8.13	8.24	8.79	8.33	13.56	9.22	8.13	7.85	
3	7.69	7.73	8.06	8.15	8.11	8.19	8.72	8.32	12.03	9.14	8.12	7.84	
4	7.69	7.71	8.05	8.19	8.08	8.18	8.77	8.34	10.78	9.07	8.09	7.82	
5	7.67	7.64	8.05	8.22	8.06	8.18	8.75	8.44	10.22	9.01	8.07	7.81	
6	7.68	7.66	8.05	8.21	8.04	8.14	8.71	8.62	9.87	8.96	8.05	7.80	
7	7.68	7.68	8.03	8.19	8.02	8.11	8.85	8.59	9.65	8.91	8.03	7.80	
8	7.68	7.70	8.02	8.20	8.06	8.08	8.81	8.51	9.50	8.87	8.01	7.79	
9	7.67	7.68	8.00	8.30	8.07	8.13	9.46	8.43	9.39	8.83	8.01	7.80	
10	7.67	7.63	7.99	8.31	8.05	8.13	9.53	8.37	9.30	8.78	8.00	7.80	
11	7.67	7.61	7.99	8.39	8.05	8.23	9.16	8.29	9.22	8.74	7.99	7.79	
12	7.66	7.71	7.97	9.08	8.03	8.48	9.04	8.26	9.15	8.70	7.97	7.78	
13	7.66	7.70	8.03	8.53	8.04	8.39	8.89	8.24	9.12	8.65	7.97	7.77	
14	7.65	7.69	8.05	8.62	8.03	8.32	8.82	8.23	9.09	8.62	7.96	7.77	
15	7.65	7.84	8.04	8.50	8.01	8.28	8.82	8.30	9.05	8.58	7.95	7.77	
16	7.65	7.94	8.00	8.44	7.99	8.26	8.83	8.35	9.03	8.53	7.93	7.77	
17	7.66	8.05	8.01	8.39	7.98	8.25	8.79	8.41	8.97	8.50	7.91	7.82	
18	7.65	8.12	7.99	8.35	7.96	8.42	8.71	8.38	8.91	8.47	7.90	7.82	
19	7.70	8.12	7.96	8.33	8.00	8.67	8.64	8.32	8.90	8.45	7.89	7.80	
20	7.67	8.11	7.95	8.29	8.10	8.67	8.58	8.27	8.94	8.31	7.88	7.79	
21	7.65	8.08	7.94	8.28	8.23	8.65	8.56	8.26	8.96	8.27	7.87	7.77	
22	7.66	8.06	7.94	8.26	8.23	8.61	8.53	8.28	9.19	8.24	7.86	7.76	
23	7.64	8.03	7.93	8.25	8.19	8.54	8.50	8.26	10.07	8.22	7.86	7.75	
24	7.64	8.09	7.91	8.23	8.15	8.57	8.58	8.30	10.58	8.21	7.85	7.74	
25	7.63	8.07	7.90	8.24	8.11	8.72	8.62	8.34	10.26	8.20	7.84	7.74	
26	7.62	8.02	7.90	8.25	8.10	8.97	8.62	8.31	10.56	8.18	7.83	7.73	
27	7.65	7.98	7.91	8.25	8.05	9.18	8.67	8.29	10.39	8.15	7.82	7.73	
28	7.79	8.03	7.90	8.22	8.03	8.99	8.57	8.28	9.80	8.13	7.82	7.73	
29	7.78	8.08	7.91	8.23	8.08	9.12	8.53	8.24	9.55	8.12		7.72	
30	7.76	8.06	7.93	8.25	8.22	8.97	8.46	8.24	9.73	8.11		7.71	
31		8.05		8.21	8.19		8.42		9.53	8.11		7.74	
MEAN	7.68	7.88	7.98	8.31	8.08	8.46	8.76	8.34	9.82	8.57	7.95	7.78	
MAX	7.79	8.12	8.06	9.08	8.23	9.18	9.53	8.62	13.56	9.34	8.13	7.85	13.56
MIN	7.62	7.61	7.90	8.03	7.96	8.08	8.42	8.23	8.90	8.11	7.82	7.71	7.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 13.76 M (MSL), AT 7.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 7.20 M (MSL), RIVER BED 7.25 M (MSL)
LEFT BANK ELEVATION 16.61 M (MSL)
RIGHT BANK ELEVATION 16.32 M (MSL), DRAINAGE AREA 180 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.60	1.40	1.32	1.60	2.30	6.06	2.85	33.61	10.10	1.68	0.72	
2	0.50	0.60	1.40	1.88	1.72	2.20	5.43	2.65	87.82	8.98	1.72	0.80	
3	0.48	0.56	1.44	1.80	1.64	1.96	4.94	2.60	50.66	8.26	1.68	0.78	
4	0.48	0.52	1.40	1.96	1.52	1.92	5.29	2.70	28.00	7.66	1.56	0.74	
5	0.44	0.38	1.40	2.10	1.44	1.92	5.15	3.24	20.26	7.18	1.48	0.72	
6	0.46	0.42	1.40	2.05	1.36	1.76	4.87	4.32	15.84	6.78	1.40	0.70	
7	0.46	0.46	1.32	1.96	1.28	1.64	5.90	4.14	13.35	6.38	1.32	0.70	
8	0.46	0.50	1.28	2.00	1.44	1.52	5.58	3.66	11.70	6.06	1.24	0.68	
9	0.44	0.46	1.20	2.50	1.48	1.72	11.30	3.18	10.60	5.74	1.24	0.70	
10	0.44	0.36	1.17	2.55	1.40	1.72	12.03	2.85	9.70	5.36	1.20	0.70	
11	0.44	0.32	1.17	2.95	1.40	2.15	8.44	2.45	8.98	5.08	1.17	0.68	
12	0.42	0.52	1.11	7.74	1.32	3.48	7.42	2.30	8.35	4.80	1.11	0.66	
13	0.42	0.50	1.32	3.78	1.36	2.95	6.22	2.20	8.08	4.50	1.11	0.64	
14	0.40	0.48	1.40	4.32	1.32	2.60	5.66	2.15	7.82	4.32	1.08	0.64	
15	0.40	0.78	1.36	3.60	1.24	2.40	5.66	2.50	7.50	4.08	1.05	0.64	
16	0.40	1.02	1.20	3.24	1.17	2.30	5.74	2.75	7.34	3.78	0.99	0.64	
17	0.42	1.40	1.24	2.95	1.14	2.25	5.43	3.06	6.86	3.60	0.93	0.74	
18	0.40	1.68	1.17	2.75	1.08	3.12	4.87	2.90	6.38	3.42	0.90	0.74	
19	0.50	1.68	1.08	2.65	1.20	4.62	4.44	2.60	6.30	3.30	0.88	0.70	
20	0.44	1.64	1.05	2.45	1.60	4.62	4.08	2.35	6.62	2.55	0.86	0.68	
21	0.40	1.52	1.02	2.40	2.15	4.50	3.96	2.30	6.78	2.35	0.84	0.64	
22	0.42	1.44	1.02	2.30	2.15	4.26	3.78	2.40	8.71	2.20	0.82	0.62	
23	0.38	1.32	0.99	2.25	1.96	3.84	3.60	2.30	18.31	2.10	0.82	0.60	
24	0.38	1.56	0.93	2.15	1.80	4.02	4.08	2.50	25.12	2.05	0.80	0.58	
25	0.36	1.48	0.90	2.20	1.64	4.94	4.32	2.70	20.78	2.00	0.78	0.58	
26	0.34	1.28	0.90	2.25	1.60	6.86	4.32	2.55	24.84	1.92	0.76	0.56	
27	0.40	1.14	0.93	2.25	1.40	8.62	4.62	2.45	22.47	1.80	0.74	0.56	
28	0.68	1.32	0.90	2.10	1.32	7.02	4.02	2.40	15.00	1.72	0.74	0.56	
29	0.66	1.52	0.93	2.15	1.52	8.08	3.78	2.20	12.25	1.68		0.54	
30	0.62	1.44	0.99	2.25	2.10	6.86	3.36	2.20	14.23	1.64		0.52	
31		1.40		2.05	1.96		3.12		12.03	1.64		0.58	
TOTAL	13.54	30.30	35.02	80.90	47.31	108.15	167.47	81.45	536.29	133.03	30.90	20.34	1284.70 CMSDAY
MEAN	0.45	0.98	1.17	2.61	1.53	3.61	5.40	2.71	17.30	4.29	1.10	0.66	3.52 CMS
MAX	0.68	1.68	1.44	7.74	2.15	8.62	12.03	4.32	87.82	10.10	1.72	0.80	87.82 CMS
MIN	0.34	0.32	0.90	1.32	1.08	1.52	3.12	2.15	6.30	1.64	0.74	0.52	0.32 CMS
RUNOFF	1.170	2.618	3.026	6.990	4.088	9.344	14.469	7.037	46.335	11.494	2.670	1.757	110.998 MCM

MOMENTARY PEAK 103.73 CMS, AT 13.76 M (MSL), AT 7.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 19.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 576.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

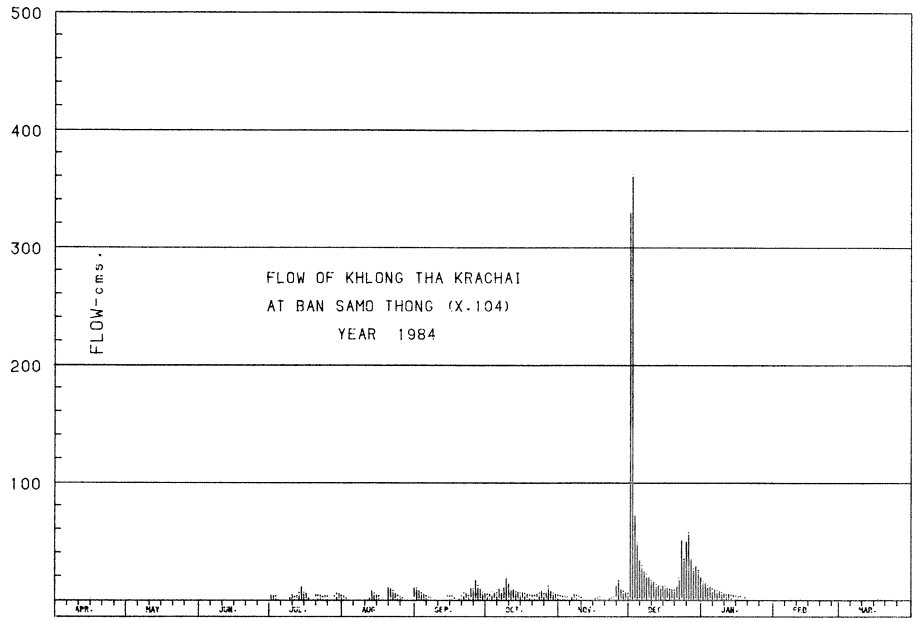
KHLONG THA KRACHAI AT BAN SAMO THONG, SURAT THANI (X.104)

LOCATION	LAT. 9-34-47 N., LONG. 99-08-14 E., ON LEFT BANK AT BAN SAMO THONG, AMPHOE THA CHANA, SURAT THANI.
DRAINAGE AREA	354 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+6.702 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 10 METERS DOWNSTREAM FROM THE TOP STAFF GAGE.
ELEVATION	+15.618 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 77 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.28	7.27	7.30	7.72	7.61	7.98	7.72	7.63	12.57	8.22	7.45	7.26	
2	7.27	7.27	7.30	7.61	7.55	7.84	7.70	7.61	12.86	8.14	7.44	7.34	
3	7.27	7.27	7.31	7.62	7.52	7.77	7.81	7.59	9.53	8.08	7.43	7.29	
4	7.27	7.26	7.31	7.56	7.49	7.69	7.75	7.58	9.08	8.00	7.41	7.27	
5	7.27	7.28	7.31	7.50	7.47	7.63	7.78	7.57	8.72	7.94	7.40	7.26	
6	7.27	7.26	7.31	7.49	7.46	7.59	7.92	7.74	8.61	7.89	7.39	7.25	
7	7.27	7.26	7.31	7.47	7.44	7.56	7.86	7.70	8.48	7.87	7.38	7.25	
8	7.27	7.26	7.31	7.45	7.44	7.55	7.97	7.65	8.42	7.82	7.37	7.25	
9	7.27	7.26	7.30	7.68	7.46	7.52	8.38	7.61	8.33	7.79	7.37	7.26	
10	7.27	7.26	7.30	7.67	7.53	7.52	8.13	7.57	8.25	7.71	7.37	7.26	
11	7.27	7.28	7.31	7.59	7.52	7.53	7.97	7.55	8.19	7.69	7.36	7.26	
12	7.26	7.38	7.31	7.62	7.61	7.53	7.88	7.53	8.11	7.69	7.36	7.25	
13	7.26	7.39	7.35	7.78	7.84	7.56	7.82	7.51	8.07	7.68	7.35	7.25	
14	7.26	7.40	7.45	8.01	7.76	7.64	7.79	7.51	8.05	7.65	7.34	7.24	
15	7.26	7.40	7.42	7.79	7.65	7.62	7.77	7.53	8.04	7.63	7.33	7.24	
16	7.29	7.51	7.38	7.73	7.63	7.63	7.77	7.63	8.06	7.61	7.32	7.37	
17	7.27	7.44	7.38	7.55	7.51	7.56	7.75	7.59	7.96	7.60	7.32	7.54	
18	7.32	7.38	7.35	7.52	7.51	7.54	7.70	7.58	7.91	7.59	7.31	7.38	
19	7.32	7.40	7.33	7.57	7.51	7.61	7.67	7.54	7.89	7.56	7.30	7.32	
20	7.30	7.38	7.32	7.66	8.05	7.62	7.65	7.51	7.89	7.55	7.30	7.31	
21	7.28	7.35	7.31	7.67	7.93	7.77	7.65	7.51	8.01	7.54	7.30	7.28	
22	7.28	7.33	7.32	7.64	7.87	7.73	7.70	7.62	8.31	7.52	7.29	7.27	
23	7.28	7.31	7.34	7.59	7.73	7.65	7.76	7.59	9.11	7.51	7.29	7.26	
24	7.27	7.31	7.37	7.62	7.66	7.94	7.82	7.58	8.75	7.50	7.28	7.25	
25	7.27	7.31	7.36	7.61	7.60	7.95	7.75	8.05	9.09	7.49	7.28	7.24	
26	7.26	7.30	7.37	7.57	7.56	8.24	7.75	8.24	9.25	7.50	7.27	7.23	
27	7.27	7.31	7.42	7.58	7.53	8.08	8.07	7.89	8.74	7.48	7.27	7.23	
28	7.27	7.33	7.47	7.63	7.51	7.91	7.82	7.84	8.54	7.48	7.26	7.22	
29	7.31	7.32	7.49	7.74	7.49	7.80	7.76	7.76	8.59	7.48		7.22	
30	7.28	7.31	7.51	7.72	7.53	7.73	7.70	7.75	8.51	7.50		7.26	
31		7.30		7.66	7.95		7.67		8.33	7.45		7.26	
MEAN	7.28	7.33	7.36	7.63	7.61	7.71	7.82	7.65	8.72	7.68	7.34	7.28	
MAX	7.32	7.51	7.51	8.01	8.05	8.24	8.38	8.24	12.86	8.22	7.45	7.54	12.86
MIN	7.26	7.26	7.30	7.45	7.44	7.52	7.65	7.51	7.89	7.45	7.26	7.22	7.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.25 M (MSL), AT 6.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 6.70 M (MSL), RIVER BED 6.94 M (MSL)
LEFT BANK ELEVATION 16.60 M (MSL)
RIGHT BANK ELEVATION 17.51 M (MSL), DRAINAGE AREA 354 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.43	0.60	5.42	3.58	10.62	5.42	3.90	329.81	16.13	0.30	0.37	
2	0.43	0.43	0.60	3.58	1.83	7.82	5.02	3.58	362.32	14.03	0.32	0.52	
3	0.43	0.43	0.58	3.74	0.87	6.42	7.22	3.11	71.86	12.62	0.34	0.55	
4	0.43	0.37	0.58	2.15	0.22	4.86	6.02	2.79	49.15	11.02	0.38	0.43	
5	0.43	0.49	0.58	0.23	0.26	3.90	6.62	2.47	33.84	9.82	0.40	0.37	
6	0.43	0.37	0.58	0.22	0.28	3.11	9.42	5.82	29.44	8.82	0.42	0.31	
7	0.43	0.37	0.58	0.26	0.32	2.15	8.22	5.02	24.34	8.42	0.44	0.31	
8	0.43	0.37	0.58	0.30	0.32	1.83	10.42	4.22	22.24	7.42	0.46	0.31	
9	0.43	0.37	0.60	4.70	0.28	0.87	20.93	3.58	19.43	6.82	0.46	0.37	
10	0.43	0.37	0.60	4.54	1.19	0.87	13.78	2.47	17.03	5.22	0.46	0.37	
11	0.43	0.49	0.58	3.11	0.87	1.19	10.42	1.83	15.28	4.86	0.48	0.37	
12	0.37	0.44	0.58	3.74	3.58	1.19	8.62	1.19	13.27	4.86	0.48	0.31	
13	0.37	0.42	0.50	6.62	7.82	2.15	7.42	0.55	12.42	4.70	0.50	0.31	
14	0.37	0.40	0.30	11.22	6.22	4.06	6.82	0.55	12.02	4.22	0.52	0.25	
15	0.37	0.40	0.36	6.82	4.22	3.74	6.42	1.19	11.82	3.90	0.54	0.25	
16	0.55	0.55	0.44	5.62	3.90	3.90	6.42	3.90	12.22	3.58	0.56	0.46	
17	0.43	0.32	0.44	1.83	0.55	2.15	6.02	3.11	10.22	3.42	0.56	1.51	
18	0.56	0.44	0.50	0.87	0.55	1.51	5.02	2.79	9.22	3.11	0.58	0.44	
19	0.56	0.40	0.54	2.47	0.55	3.58	4.54	1.51	8.82	2.15	0.60	0.56	
20	0.60	0.44	0.56	4.38	12.02	3.74	4.22	0.55	8.82	1.83	0.60	0.58	
21	0.49	0.50	0.58	4.54	9.62	6.42	4.22	0.55	11.22	1.51	0.60	0.49	
22	0.49	0.54	0.56	4.06	8.42	5.62	5.02	3.74	18.83	0.87	0.55	0.43	
23	0.49	0.58	0.52	3.11	5.62	4.22	6.22	3.11	50.55	0.55	0.55	0.37	
24	0.43	0.58	0.46	3.74	4.38	9.82	7.42	2.79	35.04	0.23	0.49	0.31	
25	0.43	0.58	0.48	3.58	3.42	10.02	6.02	12.02	49.60	0.22	0.49	0.25	
26	0.37	0.60	0.46	2.47	2.15	16.73	6.02	16.73	57.55	0.23	0.43	0.19	
27	0.43	0.58	0.36	2.79	1.19	12.62	12.42	8.82	34.64	0.24	0.43	0.19	
28	0.43	0.54	0.26	3.90	0.55	9.22	7.42	7.82	26.64	0.24	0.37	0.13	
29	0.58	0.56	0.22	5.82	0.22	7.02	6.22	6.22	28.64	0.24		0.13	
30	0.49	0.58	0.55	5.42	1.19	5.62	5.02	6.02	25.44	0.23		0.37	
31		0.60		4.38	10.02		4.54		19.43	0.30		0.37	
TOTAL	13.60	14.54	15.13	115.63	96.21	156.97	229.53	121.95	1431.15	141.81	13.31	12.18	2362.01 CMSDAY
MEAN	0.45	0.47	0.50	3.73	3.10	5.23	7.40	4.07	46.17	4.57	0.48	0.39	6.47 CMS
MAX	0.60	0.60	0.60	11.22	12.02	16.73	20.93	16.73	362.32	16.13	0.60	1.51	362.32 CMS
MIN	0.37	0.32	0.22	0.22	0.22	0.87	4.22	0.55	8.82	0.22	0.30	0.13	0.13 CMS
RUNOFF	1.175	1.256	1.307	9.990	8.313	13.562	19.831	10.536	123.651	12.252	1.150	1.052	204.078 MCM

MOMENTARY PEAK 536.63 CMS, AT 14.25 M (MSL), AT 6.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 18.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1515.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

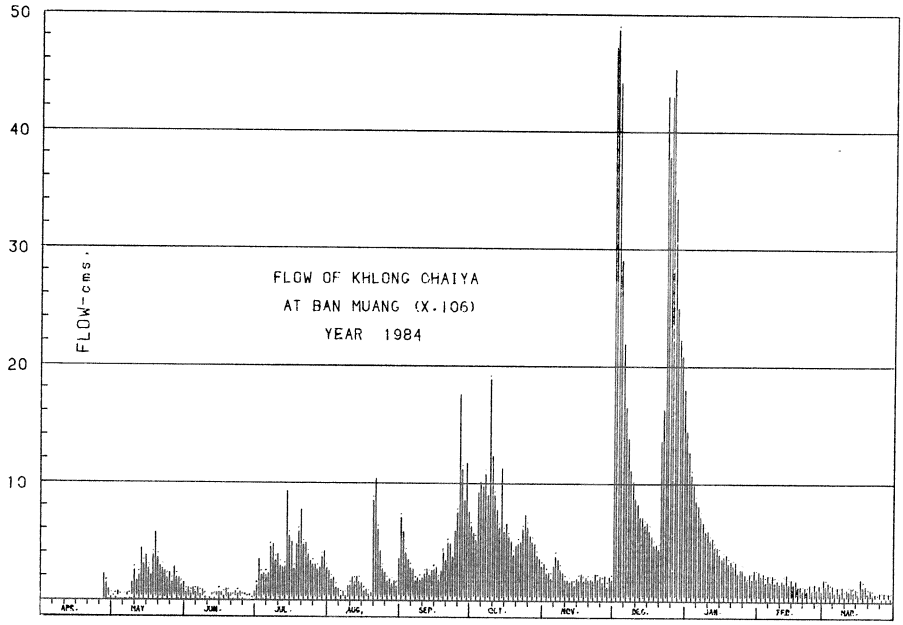
KHLONG CHAIYA AT BAN MUANG, SURAT THANI (X.106)

LOCATION	LAT. 9-23-46 N., LONG. 99-10-31 E., ON LEFT BANK AT BAN MUANG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	309 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.063 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+10.248 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +9.77 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 76 DISCHARGE MEASUREMENT MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.00	7.10	7.26	7.38	7.57	8.22	8.14	7.68	10.35	8.86	7.56	7.43	
2	7.00	7.16	7.26	7.73	7.50	8.05	8.04	7.61	10.41	8.70	7.59	7.42	
3	7.00	7.18	7.24	7.57	7.45	7.86	8.02	7.54	10.25	8.57	7.53	7.38	
4	7.00	7.14	7.26	7.52	7.36	7.73	8.40	7.54	9.68	8.47	7.46	7.34	
5	7.00	7.09	7.27	7.58	7.25	7.68	8.52	7.64	9.31	8.37	7.50	7.33	
6	7.00	7.14	7.26	7.52	7.21	7.60	8.45	7.82	9.00	8.30	7.49	7.28	
7	7.00	7.14	7.23	7.93	7.19	7.47	8.58	7.73	8.79	8.24	7.50	7.30	
8	7.00	7.16	7.22	7.91	7.20	7.45	8.38	7.66	8.61	8.14	7.46	7.30	
9	7.00	7.36	7.17	7.77	7.31	7.50	9.15	7.54	8.49	8.10	7.41	7.31	
10	7.00	7.63	7.09	7.79	7.39	7.45	8.67	7.49	8.39	8.06	7.44	7.21	
11	7.00	7.39	7.15	7.71	7.46	7.59	8.41	7.41	8.31	8.01	7.41	7.25	
12	7.00	7.56	7.14	7.62	7.46	7.60	8.26	7.46	8.24	7.99	7.48	7.31	
13	7.00	7.86	7.15	7.69	7.47	7.58	8.13	7.41	8.19	7.93	7.51	7.29	
14	7.00	7.72	7.16	8.41	7.47	7.58	8.59	7.40	8.16	7.88	7.43	7.29	
15	7.00	7.77	7.28	8.05	7.36	7.66	8.09	7.44	8.14	7.86	7.43	7.26	
16	7.00	7.66	7.16	7.94	7.30	7.63	8.13	7.50	8.11	7.74	7.44	7.24	
17	7.00	7.49	7.21	7.66	7.24	7.49	8.04	7.52	8.01	7.82	7.41	7.44	
18	7.00	7.83	7.24	7.91	7.23	7.57	7.95	7.48	7.96	7.79	7.39	7.39	
19	7.00	8.04	7.24	8.09	7.17	7.86	7.84	7.46	7.91	7.74	7.31	7.32	
20	7.00	7.80	7.14	8.26	8.37	7.72	7.90	7.49	7.92	7.71	7.31	7.26	
21	7.00	7.64	7.14	7.96	8.51	7.98	7.98	7.42	8.77	7.72	7.30	7.25	
22	7.00	7.67	7.19	7.93	8.11	7.92	7.94	7.48	8.99	7.70	7.31	7.23	
23	7.00	7.56	7.24	7.84	7.83	7.82	8.11	7.52	10.21	7.60	7.34	7.16	
24	7.00	7.53	7.18	7.71	7.67	8.06	8.21	7.51	10.04	7.60	7.33	7.14	
25	7.00	7.53	7.15	7.73	7.54	8.27	8.14	7.48	10.21	7.66	7.35	7.19	
26	7.00	7.45	7.14	7.66	7.47	9.05	8.01	7.46	10.30	7.51	7.34	7.19	
27	7.50	7.62	7.11	7.66	7.43	8.61	8.00	7.49	9.89	7.54	7.33	7.18	
28	7.41	7.53	7.12	7.62	7.45	8.34	7.92	7.38	9.49	7.53	7.32	7.18	
29	7.23	7.44	7.07	7.81	7.40	8.65	7.83	7.47	9.33	7.52		7.17	
30	7.17	7.40	7.18	7.83	7.39	8.24	7.74	7.50	9.27	7.59		7.18	
31		7.36		7.67	7.74		7.70		9.08	7.58		7.16	
MEAN	7.04	7.48	7.19	7.79	7.50	7.87	8.17	7.52	9.03	7.93	7.42	7.27	
MAX	7.50	8.04	7.28	8.41	8.51	9.05	9.15	7.82	10.41	8.86	7.59	7.44	10.41
MIN	7.00	7.09	7.07	7.38	7.17	7.45	7.70	7.38	7.91	7.51	7.30	7.14	7.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.42 M (MSL), AT 6.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 7.06 M (MSL), RIVER BED 5.69 M (MSL)
LEFT BANK ELEVATION 9.76 M (MSL)
RIGHT BANK ELEVATION 9.90 M (MSL), DRAINAGE AREA 309 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.40	1.04	1.60	2.55	7.38	6.66	3.18	47.20	14.78	2.50	1.85	
2	0.00	0.64	1.04	3.51	2.20	5.85	5.76	2.76	49.01	12.70	2.65	1.80	
3	0.00	0.72	0.96	2.55	1.95	4.42	5.58	2.40	44.20	11.07	2.35	1.60	
4	0.00	0.56	1.04	2.30	1.50	3.51	9.20	2.40	29.36	9.97	2.00	1.40	
5	0.00	0.36	1.08	2.60	1.00	3.18	10.52	2.94	21.89	8.87	2.20	1.35	
6	0.00	0.56	1.04	2.30	0.84	2.70	9.75	4.14	16.80	8.10	2.15	1.12	
7	0.00	0.56	0.92	4.91	0.76	2.05	11.18	3.51	13.87	7.56	2.20	1.20	
8	0.00	0.64	0.88	4.77	0.80	1.95	8.98	3.06	11.53	6.66	2.00	1.20	
9	0.00	1.50	0.68	3.79	1.25	2.20	19.15	2.40	10.19	6.30	1.75	1.25	
10	0.00	2.88	0.36	3.93	1.65	1.95	12.31	2.15	9.09	5.94	1.90	0.84	
11	0.00	1.65	0.60	3.37	2.00	2.65	9.31	1.75	8.21	5.49	1.75	1.00	
12	0.00	2.50	0.56	2.82	2.00	2.70	7.74	2.00	7.56	5.33	2.10	1.25	
13	0.00	4.42	0.60	3.24	2.05	2.60	6.57	1.75	7.11	4.91	2.25	1.16	
14	0.00	3.44	0.64	9.31	2.05	2.60	11.29	1.70	6.84	4.56	1.85	1.16	
15	0.00	3.79	1.12	5.85	1.50	3.06	6.21	1.90	6.66	4.42	1.85	1.04	
16	0.00	3.06	0.64	4.98	1.20	2.88	6.57	2.20	6.39	3.58	1.90	0.96	
17	0.00	2.15	0.84	3.06	0.96	2.15	5.76	2.30	5.49	4.14	1.75	1.90	
18	0.00	4.21	0.96	4.77	0.92	2.55	5.05	2.10	5.12	3.93	1.65	1.65	
19	0.00	5.76	0.96	6.21	0.68	4.42	4.28	2.00	4.77	3.58	1.25	1.30	
20	0.00	4.00	0.56	7.74	8.87	3.44	4.70	2.15	4.84	3.37	1.25	1.04	
21	0.00	2.94	0.56	5.12	10.41	5.26	5.26	1.80	13.61	3.44	1.20	1.00	
22	0.00	3.12	0.76	4.91	6.39	4.84	4.98	2.10	16.65	3.30	1.25	0.92	
23	0.00	2.50	0.96	4.28	4.21	4.14	6.39	2.30	43.00	2.70	1.40	0.64	
24	0.00	2.35	0.72	3.37	3.12	5.94	7.29	2.25	38.18	2.70	1.35	0.56	
25	0.00	2.35	0.60	3.51	2.40	7.83	6.66	2.10	43.00	3.06	1.45	0.76	
26	0.00	1.95	0.56	3.06	2.05	17.55	5.49	2.00	45.70	2.25	1.40	0.76	
27	2.20	2.82	0.44	3.06	1.85	11.53	5.40	2.15	34.26	2.40	1.35	0.72	
28	1.75	2.35	0.48	2.82	1.95	8.54	4.84	1.60	25.31	2.35	1.30	0.72	
29	0.92	1.90	0.28	4.07	1.70	12.05	4.21	2.05	22.27	2.30		0.68	
30	0.68	1.70	0.72	4.21	1.65	7.56	3.58	2.20	21.19	2.65		0.72	
31		1.50		3.12	3.58		3.30		18.00	2.60		0.64	
TOTAL	5.55	69.28	22.60	125.14	76.04	149.48	223.97	69.34	637.30	165.01	50.00	34.19	1627.90 CMSDAY
MEAN	0.18	2.23	0.75	4.04	2.45	4.98	7.22	2.31	20.56	5.32	1.79	1.10	4.46 CMS
MAX	2.20	5.76	1.12	9.31	10.41	17.55	19.15	4.14	49.01	14.78	2.65	1.90	49.01 CMS
MIN	0.00	0.36	0.28	1.60	0.68	1.95	3.30	1.60	4.77	2.25	1.20	0.56	0.00 CMS
RUNOFF	0.480	5.986	1.953	10.812	6.570	12.915	19.351	5.991	55.063	14.257	4.320	2.954	140.651 MCM

MOMENTARY PEAK 49.32 CMS, AT 10.42 M (MSL), AT 6.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 14.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 159.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

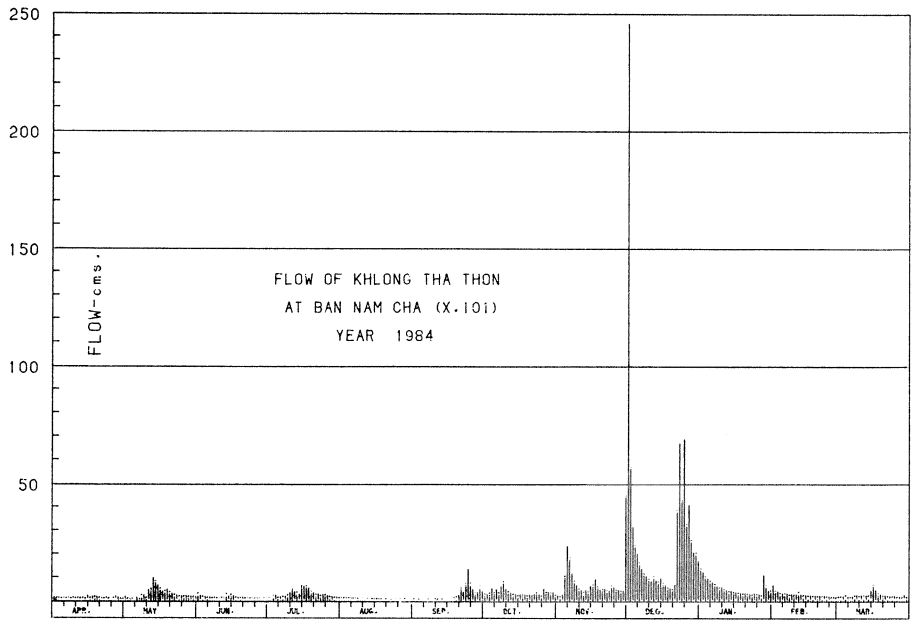
KHLONG THA THON AT BAN NAM CHA, NAKHON SI THAMMARAT (X.101)

LOCATION	LAT. 8-52-30 N., LONG. 99-51-40 E., ON RIGHT BANK AT BAN NAM CHA, AMPHOE SICHON, NAKHON SI THAMMARAT.
DRAINAGE AREA	95 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+7.895 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS NORTH FROM THE STATION OFFICE.
ELEVATION	+16.570 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1976 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +14.14 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 53 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.57	8.60	8.73	8.57	8.57	8.52	8.69	8.63	13.94	9.20	8.89	8.60	
2	8.56	8.55	8.64	8.56	8.57	8.53	8.66	8.63	10.53	9.14	8.77	8.61	
3	8.56	8.53	8.63	8.65	8.57	8.52	8.73	8.65	9.81	9.06	8.76	8.60	
4	8.56	8.52	8.60	8.65	8.56	8.52	8.82	9.07	9.56	9.02	8.73	8.65	
5	8.56	8.49	8.59	8.60	8.56	8.51	8.73	9.53	9.43	8.98	8.69	8.60	
6	8.56	8.68	8.59	8.60	8.56	8.51	8.81	9.38	9.30	8.94	8.72	8.60	
7	8.56	8.53	8.57	8.63	8.55	8.52	8.73	9.11	9.19	8.91	8.69	8.60	
8	8.55	8.66	8.59	8.61	8.55	8.51	8.86	8.98	9.11	8.86	8.68	8.65	
9	8.57	8.65	8.57	8.68	8.55	8.51	8.97	8.89	9.06	8.85	8.68	8.65	
10	8.56	8.59	8.56	8.72	8.55	8.53	8.81	8.82	9.02	8.85	8.66	8.64	
11	8.57	8.80	8.59	8.86	8.53	8.52	8.77	8.78	8.97	8.81	8.66	8.64	
12	8.56	8.82	8.57	8.74	8.53	8.52	8.72	8.74	9.06	8.78	8.76	8.65	
13	8.57	9.03	8.70	8.74	8.55	8.52	8.69	8.78	8.98	8.77	8.66	8.64	
14	8.55	8.98	8.61	8.68	8.53	8.52	8.68	8.77	8.97	8.77	8.65	8.65	
15	8.63	8.90	8.69	8.89	8.53	8.52	8.65	8.86	9.02	8.74	8.65	8.77	
16	8.57	8.84	8.63	8.86	8.53	8.51	8.66	8.90	8.94	8.73	8.65	8.90	
17	8.60	8.76	8.60	8.89	8.53	8.55	8.68	9.01	8.89	8.73	8.64	8.78	
18	8.63	8.78	8.57	8.84	8.52	8.57	8.66	8.86	8.85	8.72	8.64	8.72	
19	8.60	8.81	8.57	8.77	8.53	8.61	8.65	8.80	8.82	8.70	8.63	8.66	
20	8.59	8.76	8.59	8.72	8.52	8.65	8.65	8.81	8.81	8.70	8.63	8.65	
21	8.56	8.69	8.56	8.69	8.52	8.85	8.65	8.81	8.90	8.69	8.63	8.64	
22	8.55	8.69	8.56	8.69	8.51	8.73	8.68	8.80	10.03	8.69	8.63	8.63	
23	8.59	8.65	8.56	8.65	8.51	8.94	8.73	8.77	10.78	8.68	8.63	8.61	
24	8.56	8.64	8.56	8.66	8.51	9.19	8.66	8.89	10.15	8.69	8.61	8.61	
25	8.55	8.63	8.55	8.69	8.52	8.94	8.65	8.85	10.82	8.69	8.60	8.61	
26	8.56	8.64	8.56	8.64	8.52	8.81	8.81	8.81	9.85	8.66	8.60	8.60	
27	8.61	8.64	8.55	8.63	8.52	8.73	8.74	8.78	10.09	8.65	8.60	8.60	
28	8.56	8.63	8.55	8.60	8.53	8.73	8.73	8.77	9.63	9.09	8.59	8.59	
29	8.55	8.61	8.56	8.60	8.53	8.89	8.73	8.77	9.44	8.90		8.65	
30	8.53	8.61	8.56	8.60	8.53	8.76	8.73	10.20	9.44	8.77		8.60	
31		8.60		8.57	8.52		8.66		9.31	8.80		8.59	
MEAN	8.57	8.69	8.59	8.68	8.54	8.64	8.72	8.92	9.57	8.82	8.67	8.64	
MAX	8.63	9.03	8.73	8.89	8.57	9.19	8.97	10.20	13.94	9.20	8.89	8.90	13.94
MIN	8.53	8.49	8.55	8.56	8.51	8.51	8.65	8.63	8.81	8.65	8.59	8.59	8.49

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.47 M (MSL), AT 12.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 7.89 M (MSL), RIVER BED 8.80 M (MSL)
LEFT BANK ELEVATION 14.13 M (MSL)
RIGHT BANK ELEVATION 16.57 M (MSL), DRAINAGE AREA 95 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.75	2.07	3.80	1.75	1.75	1.25	3.33	2.35	245.95	14.14	6.87	2.07	
2	1.65	1.45	2.49	1.55	1.75	1.35	2.91	2.35	57.40	12.44	4.60	2.21	
3	1.65	1.35	2.35	2.63	1.75	1.15	3.80	2.77	31.76	10.83	4.28	2.07	
4	1.55	1.25	2.07	2.63	1.65	1.15	5.55	11.05	24.15	9.73	3.80	2.77	
5	1.55	0.95	1.85	1.95	1.65	1.05	3.96	23.55	20.33	8.85	3.33	2.07	
6	1.55	3.05	1.85	1.95	1.55	1.05	5.11	18.90	16.66	8.19	3.64	1.95	
7	1.65	1.35	1.75	2.35	1.45	1.15	3.96	11.96	13.88	7.53	3.33	2.07	
8	1.45	2.91	1.85	2.21	1.45	1.05	6.43	8.85	11.96	6.43	3.05	2.63	
9	1.75	2.63	1.75	3.05	1.45	1.05	8.63	6.87	10.83	5.99	3.05	2.63	
10	1.55	1.85	1.65	3.64	1.45	1.35	5.33	5.55	9.73	5.99	2.91	2.49	
11	1.75	4.92	1.85	6.43	1.35	1.15	4.44	4.76	8.63	5.33	2.91	2.49	
12	1.55	5.55	1.75	4.12	1.35	1.25	3.64	4.12	10.83	4.76	4.28	2.63	
13	1.75	10.17	3.48	4.12	1.45	1.25	3.33	4.76	8.85	4.44	2.91	2.49	
14	1.45	8.85	2.21	3.05	1.35	1.15	3.05	4.44	8.63	4.44	2.77	2.77	
15	2.35	7.09	3.19	6.87	1.35	1.25	2.77	6.43	9.95	4.12	2.63	4.44	
16	1.75	5.77	2.35	6.43	1.35	1.05	2.91	7.31	7.97	3.96	2.63	7.31	
17	2.07	4.28	1.95	6.87	1.35	1.45	3.05	9.51	6.87	3.80	2.49	4.76	
18	2.35	4.76	1.75	5.77	1.25	1.75	2.91	6.43	5.99	3.64	2.49	3.64	
19	2.07	5.11	1.75	4.44	1.35	2.21	2.77	4.92	5.55	3.48	2.35	2.91	
20	1.85	4.28	1.85	3.64	1.25	2.63	2.77	5.33	5.33	3.48	2.35	2.63	
21	1.55	3.33	1.65	3.19	1.15	5.99	2.63	5.33	7.09	3.33	2.35	2.49	
22	1.45	3.19	1.65	3.19	1.05	3.96	3.05	4.92	39.05	3.19	2.35	2.35	
23	1.85	2.63	1.55	2.77	1.05	7.97	3.96	4.44	67.40	3.05	2.35	2.21	
24	1.55	2.49	1.55	2.91	1.05	13.88	2.91	6.87	43.13	3.33	2.21	2.21	
25	1.45	2.35	1.45	3.19	1.15	7.97	2.63	5.99	69.12	3.19	2.07	2.21	
26	1.65	2.49	1.55	2.49	1.25	5.11	5.33	5.11	33.04	2.91	1.95	2.07	
27	2.21	2.49	1.45	2.35	1.25	3.96	4.12	4.76	41.09	2.77	1.95	1.95	
28	1.65	2.35	1.45	2.07	1.35	3.80	3.96	4.60	26.25	11.27	1.85	1.85	
29	1.45	2.21	1.55	1.95	1.35	6.87	3.80	4.44	20.90	7.09		2.63	
30	1.35	2.21	1.55	1.95	1.35	4.28	3.80	45.18	20.90	4.44		2.07	
31		1.95		1.75	1.25		2.91		17.22	4.92		1.85	
TOTAL	51.20	107.33	58.94	103.26	42.55	90.53	119.75	243.85	906.44	181.06	83.75	82.92	2071.58 CMSDAY
MEAN	1.71	3.46	1.96	3.33	1.37	3.02	3.86	8.13	29.24	5.84	2.99	2.67	5.68 CMS
MAX	2.35	10.17	3.80	6.87	1.75	13.88	8.63	45.18	245.95	14.14	6.87	7.31	245.95 CMS
MIN	1.35	0.95	1.45	1.55	1.05	1.05	2.63	2.35	5.33	2.77	1.85	1.85	0.95 CMS
RUNOFF	4.424	9.273	5.092	8.922	3.676	7.822	10.346	21.069	78.316	15.644	7.236	7.164	178.985 MCM

MOMENTARY PEAK 355.20 CMS, AT 15.47 M (MSL), AT 12.00 HOURS, ON DEC 1, 1984

RUNOFF YIELD 59.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3738.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

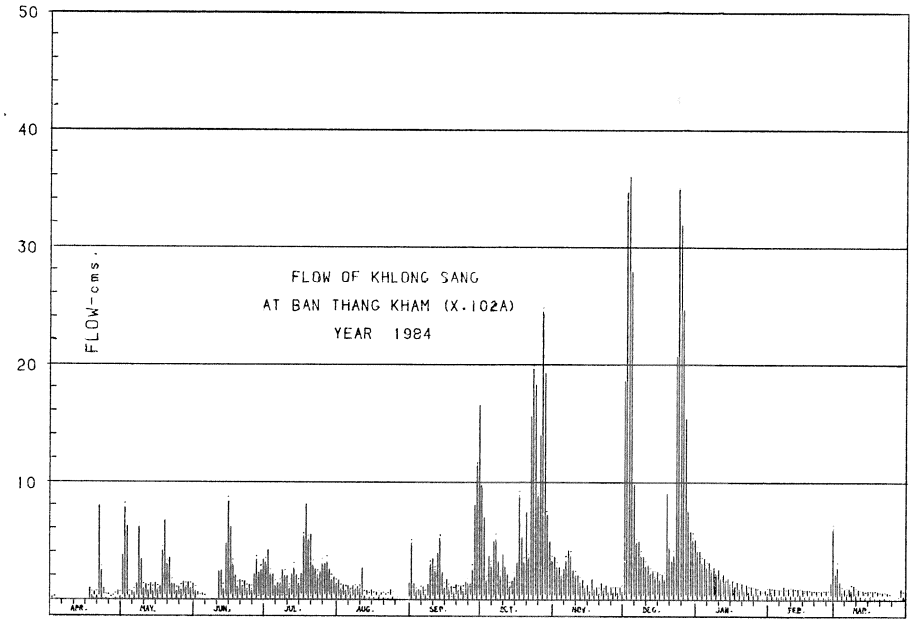
KHLONG SANG AT BAN THANG KHAM, NAKHON SI THAMMARAT (X.102A)

LOCATION	LAT. 8-17-57 N., LONG. 99-23-00 E., ON RIGHT BANK AT BAN THANG KHAM, TAMBON THA YANG, AMPHOE THUNG YAI, NAKHON SI THAMMARAT.
DRAINAGE AREA	152 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+23.100 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.70 METERS FROM THE OBSERVER'S HOUSE.
ELEVATION	+28.385 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +27.31 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 81 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.36	25.23	24.72	25.19	24.85	25.43	26.13	25.21	27.04	25.35	24.66	24.95	
2	24.39	25.87	24.54	25.30	24.77	24.79	25.70	25.13	28.28	25.29	24.65	25.13	
3	24.32	25.59	24.48	25.03	24.75	24.67	24.92	25.06	28.35	25.20	24.64	24.82	
4	24.26	24.58	24.50	24.95	24.73	24.62	25.22	25.02	27.80	25.19	24.63	24.69	
5	24.21	24.56	24.45	24.85	24.72	24.72	25.15	25.04	26.10	25.13	24.62	24.63	
6	24.20	24.65	24.40	24.80	24.65	24.69	25.41	25.22	25.44	25.13	24.62	24.67	
7	24.20	24.78	24.37	24.87	24.72	24.61	25.50	25.30	25.41	25.10	24.70	24.65	
8	24.21	25.63	24.35	25.02	24.75	24.77	25.14	25.29	25.29	25.06	24.63	24.75	
9	24.21	25.17	24.35	25.02	24.70	25.15	25.01	25.02	25.21	25.05	24.64	24.73	
10	24.13	24.79	24.36	24.92	24.75	25.18	25.24	25.01	25.15	25.03	24.67	24.66	
11	24.27	24.76	25.05	24.77	25.05	25.07	25.14	24.94	25.09	24.98	24.65	24.62	
12	24.24	24.73	25.01	24.95	24.59	25.26	24.95	24.91	25.05	24.95	24.63	24.60	
13	24.26	24.79	24.78	25.12	24.58	25.49	24.82	24.86	25.01	24.92	24.63	24.59	
14	24.19	24.72	25.38	24.94	24.54	24.98	24.84	24.81	25.01	24.88	24.64	24.56	
15	24.13	24.80	25.95	24.87	24.60	24.81	24.99	24.75	25.00	24.87	24.62	24.58	
16	24.19	24.74	25.58	24.96	24.55	24.87	25.13	24.72	24.96	24.85	24.60	24.58	
17	24.65	24.70	25.17	25.51	24.54	24.78	26.02	24 87	24.95	24.82	24.61	24.58	
18	24.57	25.35	24.93	25.86	24.58	24.71	25.46	24.78	24.99	24.82	24.60	24.58	
19	24.55	25.66	24.83	25.48	24.52	24.69	25.20	24.69	25.99	24.81	24.58	24.56	
20	24.58	25.16	24.85	25.49	24.54	24.76	25.76	24.68	25.39	24.79	24.58	24.54	
21	25.84	25.19	24.83	25.16	24.50	24.74	25.25	24.80	25.15	24.76	24.58	24.53	
22	25.08	24.88	24.83	25.03	24.53	24.73	26.76	24.76	25.30	24.76	24.58	24.54	
23	24.65	24.77	24.76	25.02	24.61	24.74	27.17	24.74	27.22	24.71	24.57	24.52	
24	24.50	24.70	24.75	24.99	24.57	24.82	27.01	24.70	28.31	24.70	24.59	24.50	
25	24.49	24.69	24.73	25.18	24.43	24.88	26.00	24.69	28.06	24.70	24.59	24.44	
26	24.39	24.77	24.95	25.11	24.38	24.78	26.60	24.70	27.56	24.67	24.58	24.43	
27	24.44	24.82	25.22	25.22	24.34	25.10	27.55	24.69	26.74	24.65	24.80	24.41	
28	24.52	24.81	24.98	25.03	24.35	25.85	27.10	24.69	25.83	24.60	25.61	24.36	
29	24.58	24.81	25.09	24.95	24.35	26.34	25.78	24.68	25.53	24.56		24.63	
30	24.56	24.81	25.17	24.90	24.34	26.85	25.41	24.74	25.51	24.60		24.57	
31		24.78		24.87	24.80		25.22		25.43	24.66		24.57	
MEAN	24.44	24.94	24.85	25.08	24.60	25.03	25.66	24.88	26.00	24.89	24.66	24.61	
MAX	25.84	25.87	25.95	25.86	25.05	26.85	27.55	25.30	28.35	25.35	25.61	25.13	28.35
MIN	24.13	24.56	24.35	24.77	24.34	24.61	24.82	24.68	24.35	24.56	24.57	24.36	24.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.53 M (MSL), AT 18.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 23.10 M (MSL), RIVER BED 23.85 M (MSL)
LEFT BANK ELEVATION 29.00 M (MSL)
RIGHT BANK ELEVATION 27.30 M (MSL), DRAINAGE AREA 152 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	3.78	1.16	3.54	1.65	5.11	10.01	3.66	18.64	4.55	0.98	2.15	
2	0.28	8.19	0.62	4.20	1.31	1.37	7.00	3.18	35.02	4.14	0.95	3.18	
3	0.14	6.23	0.46	2.58	1.25	1.01	2.00	2.76	36.05	3.60	0.92	1.50	
4	0.06	0.74	0.50	2.15	1.19	0.86	3.72	2.52	28.30	3.54	0.89	1.07	
5	0.01	0.68	0.40	1.65	1.16	1.16	3.30	2.64	9.80	3.18	0.86	0.89	
6	0.00	0.95	0.30	1.40	0.95	1.07	4.97	3.72	5.18	3.18	0.86	1.01	
7	0.00	1.34	0.24	1.75	1.16	0.83	5.60	4.20	4.97	3.00	1.10	0.95	
8	0.01	6.51	0.20	2.52	1.25	1.31	3.24	4.14	4.14	2.76	0.89	1.25	
9	0.01	3.42	0.20	2.52	1.10	3.30	2.46	2.52	3.66	2.70	0.92	1.19	
10	0.00	1.37	0.22	2.00	1.25	3.48	3.84	2.46	3.30	2.58	1.01	0.98	
11	0.07	1.28	2.70	1.31	2.70	2.82	3.24	2.10	2.94	2.30	0.95	0.86	
12	0.04	1.19	2.46	2.15	0.77	3.96	2.15	1.95	2.70	2.15	0.89	0.80	
13	0.06	1.37	1.34	3.12	0.74	5.53	1.50	1.70	2.46	2.00	0.89	0.77	
14	0.00	1.16	4.76	2.10	0.62	2.30	1.60	1.45	2.46	1.80	0.92	0.68	
15	0.00	1.40	8.75	1.75	0.80	1.45	2.35	1.25	2.40	1.75	0.86	0.74	
16	0.00	1.22	6.16	2.20	0.65	1.75	3.18	1.16	2.20	1.65	0.80	0.74	
17	0.95	1.10	3.42	5.67	0.62	1.34	9.24	1.75	2.15	1.50	0.83	0.74	
18	0.71	4.55	2.05	8.12	0.74	1.13	5.32	1.34	2.35	1.50	0.80	0.74	
19	0.65	6.72	1.55	5.46	0.56	1.07	3.60	1.07	9.03	1.45	0.74	0.68	
20	0.74	3.36	1.65	5.53	0.62	1.28	7.42	1.04	4.83	1.37	0.74	0.62	
21	7.98	3.54	1.55	3.36	0.50	1.22	3.90	1.40	3.30	1.28	0.74	0.59	
22	2.88	1.80	1.55	2.58	0.59	1.19	15.60	1.28	4.20	1.28	0.74	0.62	
23	0.95	1,31	1.28	2.52	0.83	1.22	20.14	1.22	20.74	1.13	0.71	0.56	
24	0.50	1.10	1.25	2.35	0.71	1.50	18.31	1.10	35.45	1.10	0.77	0.50	
25	0.48	1.07	1.19	3.48	0.36	1.80	9.10	1.07	31.94	1.10	0.77	0.38	
26	0.28	1.31	2.15	3.06	0.26	1.34	14.00	1.10	24.98	1.01	0.74	0.36	
27	0.38	1.50	3.72	3.72	0.18	3.00	24.85	1.07	15.40	0.95	1.40	0.32	
28	0.56	1.45	2.30	2.58	0.20	8.05	19.30	1.07	7.91	0.80	6.37	0.22	
29	0.74	1.45	2.94	2.15	0.20	11.66	7.56	1.04	5.81	0.68		0.89	
30	0.68	1.45	3.42	1.90	0.18	16.55	4.97	1.22	5.67	0.80		0.71	
31		1.34		1.75	1.40		3.72		5.11	0.98		0.71	
TOTAL	19.38	73.88	60.49	91.17	26.50	89.66	227.19	58.18	343.09	61.81	30.04	27.40	1108.79 CMSDAY
MEAN	0.65	2.38	2.02	2.94	0.85	2.99	7.33	1.94	11.07	1.99	1.07	0.88	3.04 CMS
MAX	7.98	8.19	8.75	8.12	2.70	16.55	24.85	4.20	36.05	4.55	6.37	3.18	36.05 CMS
MIN	0.00	0.68	0.20	1.31	0.18	0.83	1.50	1.04	2.15	0.68	0.71	0.22	0.00 CMS
RUNOFF	1.674	6.383	5.226	7.877	2.290	7.747	19.629	5.027	29.643	5.340	2.595	2.367	95.799 MCM

MOMENTARY PEAK 38.75 CMS, AT 28.53 M (MSL), AT 18.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 19.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 254.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

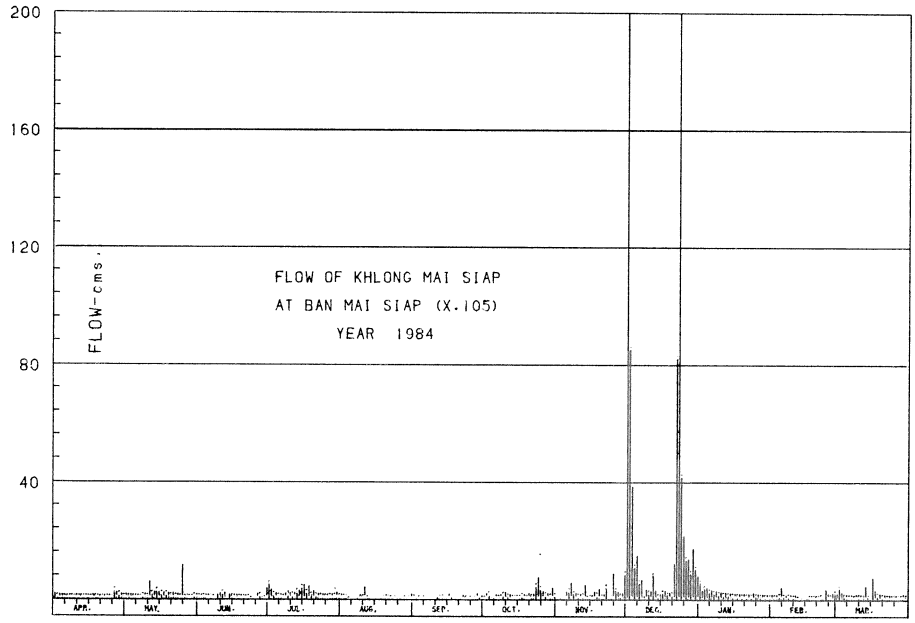
KHLONG MAI SIAP AT BAN MAI SIAP, NAKHON SI THAMMARAT (X.105)

LOCATION	LAT. 7-51-01 N., LONG. 99-55-53 E., ON LEFT BANK AT THE BRIDGE OF NAKHON SI THAMMARAT-PHATTHALUNG HIGHWAY, AT BAN MAI SIAP, AMPHOE CHA-UAT, NAKHON SI THAMMARAT.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+10.488 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE STATION OFFICE.
ELEVATION	+20.279 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 124 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.98	0.97	0.95	1.53	0.96	0.92	0.85	0.73	6.69	1.56	0.95	0.99	
2	0.95	0.95	0.93	1.22	0.95	0.87	1.02	0.72	4.12	1.18	0.94	1.37	
3	0.93	0.94	0.97	1.11	0.92	0.85	1.14	0.70	2.97	1.37	0.94	1.08	
4	0.92	0.93	0.93	1.04	0.77	0.85	0.79	0.80	1.93	1.30	1.03	0.99	
5	0.91	0.91	0.92	1.00	0.74	0.85	0.87	1.13	2.10	1.25	1.31	0.95	
6	0.91	0.90	0.90	0.97	0.73	0.14	0.94	1.29	1.57	1.21	0.95	0.94	
7	0.90	0.89	0.90	0.93	0.72	0.74	0.91	1.48	1.58	1.18	0.90	0.93	
8	0.90	1.01	0.34	1.01	0.75	0.71	0.95	1.15	0.82	1.16	0.99	0.92	
9	0.89	0.99	0.95	1.15	0.92	0.70	1.11	1.05	1.23	1.13	0.93	0.97	
10	0.92	0.96	1.02	1.05	0.92	0.70	1.10	1.00	1.20	1.11	0.93	0.98	
11	0.91	1.51	1.20	1.09	1.33	0.90	0.98	0.97	1.15	1.09	0.92	0.95	
12	0.91	1.14	1.06	1.05	0.85	0.89	0.95	1.04	1.74	1.08	0.84	0.93	
13	0.90	1.11	0.01	1.27	0.74	0.93	0.91	1.40	1.18	1.06	0.76	1.36	
14	0.90	1.29	0.94	1.18	0.74	0.72	0.90	0.86	0.98	1.05	0.75	0.93	
15	0.89	1.09	0.96	1.41	0.72	0.70	0.92	0.92	0.97	1.03	0.76	0.78	
16	0.89	1.15	0.94	1.41	0.71	0.97	0.91	0.92	1.21	1.02	0.86	1.70	
17	0.94	1.07	0.93	1.22	0.71	0.72	1.04	1.12	1.18	1.01	0.90	1.19	
18	0.93	1.14	0.92	1.36	0.86	0.70	0.96	1.10	1.10	1.01	0.90	1.06	
19	0.90	1.04	0.90	1.07	0.87	0.83	0.92	1.25	1.07	1.00	0.90	1.00	
20	0.87	1.01	0.90	1.16	0.93	0.70	1.03	0.95	1.12	1.00	0.89	0.97	
21	0.89	1.03	0.89	1.05	0.88	0.69	0.98	0.96	1.95	0.99	0.89	0.95	
22	0.88	0.99	0.91	1.01	0.87	0.90	0.99	1.42	4.06	0.98	0.96	0.93	
23	0.90	0.97	0.76	1.00	0.86	0.86	1.46	0.82	7.07	0.98	0.78	0.92	
24	0.89	0.94	0.73	0.98	0.86	0.86	1.64	0.92	3.09	1.05	1.35	0.91	
25	0.87	1.92	0.76	0.96	0.85	0.85	1.35	1.73	2.41	1.00	1.00	0.91	
26	1.30	0.91	0.99	0.96	0.85	0.85	1.14	1.28	2.08	0.98	0.94	0.90	
27	1.08	0.91	1.06	1.01	0.85	0.85	1.11	1.12	2.04	0.97	1.03	0.90	
28	1.12	0.90	0.88	0.97	0.85	1.00	1.02	1.04	1.79	0.96	1.18	0.91	
29	0.98	0.90	0.83	1.02	0.84	0.72	1.00	1.02	2.22	0.96		0.98	
30	0.95	1.02	1.28	1.07	0.84	0.88	1.30	1.78	1.88	0.95		0.93	
31		0.97		1.00	0.97		1.03		1.67	0.95		0.91	
MEAN	0.94	1.05	0.89	1.11	0.85	0.80	1.04	1.09	2.13	1.08	0.95	1.00	
MAX	1.30	1.92	1.28	1.53	1.33	1.00	1.64	1.78	7.07	1.56	1.35	1.70	7.07
MIN	0.87	0.89	0.01	0.93	0.71	0.14	0.79	0.70	0.82	0.95	0.75	0.78	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.98 M (A.D), AT 6.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.66 M (A.D)
LEFT BANK ELEVATION 11.78 M (A.D)
RIGHT BANK ELEVATION 9.98 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.90	1.85	1.75	6.30	1.80	1.60	1.25	0.65	253.20	6.60	1.75	1.95	
2	1.75	1.75	1.65	3.36	1.75	1.35	2.10	0.60	86.00	3.06	1.70	4.70	
3	1.65	1.70	1.85	2.57	1.60	1.25	2.78	0.50	38.57	4.70	1.70	2.40	
4	1.60	1.65	1.65	2.20	0.85	1.25	0.95	1.00	11.95	4.00	2.15	1.95	
5	1.55	1.55	1.60	2.00	0.70	1.25	1.35	2.71	15.00	3.60	4.10	1.75	
6	1.55	1.50	1.50	1.85	0.65	0.00	1.70	3.92	6.70	3.28	1.75	1.70	
7	1.50	1.45	1.50	1.65	0.60	0.70	1.55	5.80	6.80	3.06	1.50	1.65	
8	1.50	2.05	0.00	2.05	0.75	0.55	1.75	2.85	1.10	2.92	1.95	1.60	
9	1.45	1.95	1.75	2.85	1.60	0.50	2.57	2.25	3.44	2.71	1.65	1.85	
10	1.60	1.80	2.10	2.25	1.60	0.50	2.50	2.00	3.20	2.57	1.65	1.90	
11	1.55	6.10	3.20	2.45	4.30	1.50	1.90	1.85	2.85	2.45	1.60	1.75	
12	1.55	2.78	2.30	2.25	1.25	1.45	1.75	2.20	9.10	2.40	1.20	1.65	
13	1.50	2.57	0.00	3.76	0.70	1.65	1.55	5.00	3.06	2.30	0.80	4.60	
14	1.50	3.92	1.70	3.06	0.70	0.60	1.50	1.30	1.90	2.25	0.75	1.65	
15	1.45	2.45	1.80	5.10	0.60	0.50	1.60	1.60	1.85	2.15	0.80	0.90	
16	1.45	2.85	1.70	5.10	0.55	1.85	1.55	1.60	3.28	2.10	1.30	8.50	
17	1.70	2.35	1.65	3.36	0.55	0.60	2.20	2.64	3.06	2.05	1.50	3.13	
18	1.65	2.78	1.60	4.60	1.30	0.50	1.80	2.50	2.50	2.05	1.50	2.30	
19	1.50	2.20	1.50	2.35	1.35	1.15	1.60	3.60	2.35	2.00	1.50	2.00	
20	1.35	2.05	1.50	2.92	1.65	0.50	2.15	1.75	2.64	2.00	1.45	1.85	
21	1.45	2.15	1.45	2.25	1.40	0.45	1.90	1.80	12.25	1.95	1.45	1.75	
22	1.40	1.95	1.55	2.05	1.35	1.50	1.95	5.20	83.00	1.90	1.80	1.65	
23	1.50	1.85	0.80	2.00	1.30	1.30	5.60	1.10	286.30	1.90	0.90	1.60	
24	1.45	1.70	0.65	1.90	1.30	1.30	7.60	1.60	42.65	2.25	4.50	1.55	
25	1.35	11.80	0.80	1.80	1.25	1.25	4.50	8.95	21.75	2.00	2.00	1.55	
26	4.00	1.55	1.95	1.80	1.25	1.25	2.78	3.84	14.60	1.90	1.70	1.50	
27	2.40	1.55	2.30	2.05	1.25	1.25	2.57	2.64	13.80	1.85	2.15	1.50	
28	2.64	1.50	1.40	1.85	1.25	2.00	2.10	2.20	9.85	1.80	3.06	1.55	
29	1.90	1.50	1.15	2.10	1.20	0.60	2.00	2.10	17.40	1.80		1.90	
30	1.75	2.10	3.84	2.35	1.20	1.40	4.00	9.70	11.20	1.75		1.65	
31		1.85		2.00	1.85		2.15		8.05	1.75		1.55	
TOTAL	51.09	76.80	48.19	84.18	39.45	31.55	73.25	85.45	979.40	79.10	49.86	67.53	1665.85 CMSDAY
MEAN	1.70	2.48	1.61	2.72	1.27	1.05	2.36	2.85	31.59	2.55	1.78	2.18	4.56 CMS
MAX	4.00	11.80	3.84	6.30	4.30	2.00	7.60	9.70	286.30	6.60	4.50	8.50	286.30 CMS
MIN	1.35	1.45	0.00	1.65	0.55	0.00	0.95	0.50	1.10	1.75	0.75	0.90	0.00 CMS
RUNOFF	4.414	6.636	4.164	7.273	3.408	2.726	6.329	7.383	84.620	6.834	4.308	5.835	143.929 MCM

MOMENTARY PEAK 470.00 CMS, AT 8.98 M (A.D), AT 6.00 HOURS, ON DEC 1, 1984

RUNOFF YIELD 29.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3032.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

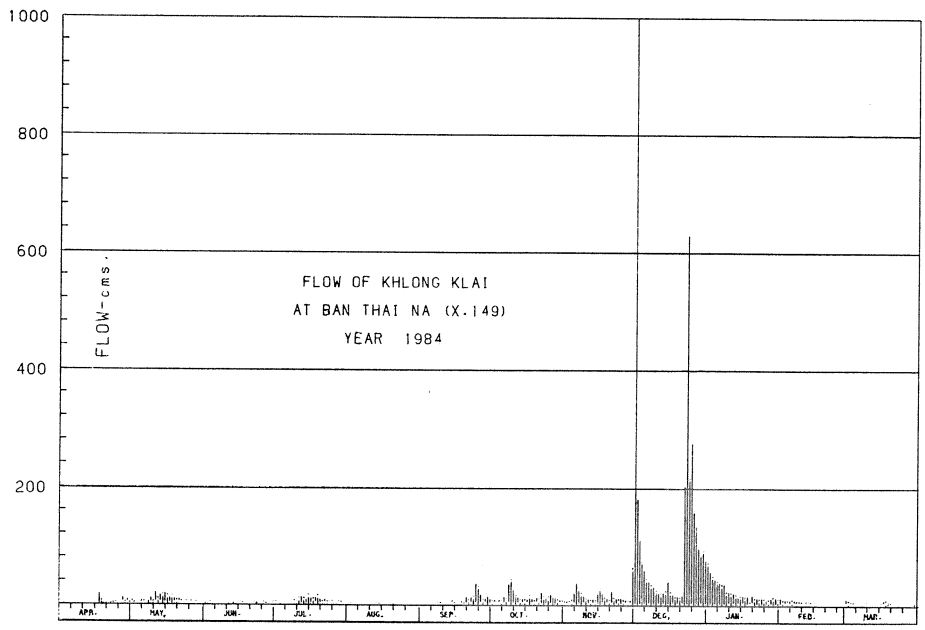
KHLONG KLAI AT BAN THAI NA, NAKHON SI THAMMARAT (X.149)

LOCATION	LAT. 8-43-48 N., LONG. 99-44-52 E., ON LEFT BANK AT BAN THAI NA, AMPHOE THA SALA NAKHON SI THAMMARAT.
DRAINAGE AREA	469 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+28.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE STATION OFFICE.
ELEVATION	+34.588 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	—
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 163 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	28.73	28.90	28.92	28.87	28.82	28.81	28.93	28.90	32.82	29.58	28.99	28.96	
2	28.73	28.82	28.87	28.82	28.81	28.78	28.92	28.88	30.13	29.48	28.94	28.93	
3	28.73	28.80	28.85	28.89	28.80	28.77	28.90	28.91	29.78	29.43	28.94	28.90	
4	28.73	28.78	28.83	28.83	28.80	28.79	28.92	28.95	29.59	29.39	28.93	28.88	
5	28.72	28.89	28.83	28.80	28.80	28.79	28.94	29.11	29.50	29.36	28.93	28.82	
6	28.72	28.87	28.82	28.78	28.79	28.79	29.02	29.36	29.40	29.33	28.96	28.82	
7	28.76	28.83	28.83	28.85	28.79	28.78	29.00	29.16	29.35	29.31	28.93	28.84	
8	28.71	28.98	28.83	28.88	28.83	28.84	29.30	29.13	29.30	29.30	28.91	28.93	
9	28.71	28.97	28.81	28.91	28.83	28.83	29.39	29.04	29.25	29.15	28.91	28.87	
10	28.71	28.87	28.81	28.88	28.80	28.82	29.18	28.99	29.18	29.14	28.90	28.89	
11	28.70	29.11	28.89	29.01	28.82	28.84	29.08	28.96	29.11	29.13	28.88	28.85	
12	28.70	28.98	28.82	29.01	28.79	28.85	29.01	28.95	29.12	29.11	28.90	28.80	
13	28.69	29.05	28.92	29.00	28.83	28.88	28.97	28.95	29.12	29.09	28.89	28.79	
14	28.69	29.08	28.84	28.92	28.79	28.91	28.96	28.94	29.17	29.01	28.88	28.79	
15	28.68	29.09	28.83	29.08	28.79	28.83	28.96	29.09	29.35	29.06	28.87	28.82	
16	28.69	29.06	28.86	28.97	28.78	28.81	28.94	29.22	29.15	29.05	28.86	28.85	
17	29.08	28.97	28.81	28.99	28.77	28.80	29.08	29.10	29.08	29.04	28.85	28.92	
18	28.90	29.06	28.79	28.98	28.80	28.87	28.96	29.02	29.04	29.04	28.86	28.95	
19	28.85	28.95	28.78	29.07	28.78	28.82	28.93	28.98	29.04	28.88	28.85	28.88	
20	28.75	28.93	28.80	28.93	28.87	29.01	29.00	28.96	29.03	29.06	28.85	28.85	
21	28.79	28.94	28.80	28.89	28.81	28.95	28.99	29.15	29.06	29.00	28.85	28.84	
22	28.76	28.89	28.84	28.93	28.79	29.01	29.12	29.01	30.22	29.00	28.84	28.83	
23	28.81	28.87	28.79	28.88	28.77	29.05	29.05	28.97	31.54	28.99	28.83	28.82	
24	28.83	28.88	28.79	28.88	28.76	29.31	28.98	28.98	30.26	28.99	28.83	28.81	
25	28.82	28.89	28.78	28.89	28.76	29.26	29.04	28.97	30.49	28.99	28.83	28.81	
26	28.86	28.88	28.85	28.86	28.77	29.08	29.07	28.95	30.03	28.92	28.83	28.80	
27	28.97	28.87	28.79	28.90	28.76	28.96	29.10	28.93	29.90	28.96	28.83	28.79	
28	28.85	28.85	28.79	28.89	28.76	28.96	28.99	28.92	29.73	28.98	28.88	28.79	
29	28.92	28.86	28.82	28.86	28.76	29.12	28.96	28.92	29.64	29.04		28.83	
30	28.81	28.86	28.85	28.85	28.76	28.95	28.93	29.53	29.69	28.99		28.80	
31		28.83		28.83	28.76		28.92		29.60	28.98		28.79	
MEAN	28.78	28.92	28.83	28.91	28.79	28.91	29.02	29.03	29.67	29.12	28.88	28.85	
MAX	29.08	29.11	28.92	29.08	28.87	29.31	29.39	29.53	32.82	29.58	28.99	28.96	32.82
MIN	28.68	28.78	28.78	28.78	28.76	28.77	28.90	28.88	29.03	28.88	28.83	28.79	28.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 32.82 M (MSL), AT 11.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 28.30 M (MSL), RIVER BED 28.07 M (MSL)
LEFT BANK ELEVATION 35.14 M (MSL)
RIGHT BANK ELEVATION 34.48 M (MSL), DRAINAGE AREA 469 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	7.00	8.00	5.80	3.80	3.40	8.50	7.00	1152.40	72.60	11.50	10.00	
2	0.90	3.80	5.80	3.80	3.40	2.40	8.00	6.20	184.90	56.20	9.00	8.50	
3	0.90	3.00	5.00	6.60	3.00	2.10	7.00	7.50	110.20	49.20	9.00	7.00	
4	0.90	2.40	4.20	4.20	3.00	2.70	8.00	9.50	74.30	44.00	8.50	6.20	
5	0.60	6.60	4.20	3.00	3.00	2.70	9.00	19.80	59.00	41.00	8.50	3.80	
6	0.60	5.80	3.80	2.40	2.70	2.70	13.40	41.00	45.00	38.00	10.00	3.80	
7	1.80	4.20	4.20	5.00	2.70	2.40	12.00	23.80	40.00	36.00	8.50	4.60	
8	0.30	11.00	4.20	6.20	4.20	4.60	35.00	21.40	35.00	35.00	7.50	8.50	
9	0.30	10.50	3.40	7.50	4.20	4.20	44.00	14.80	31.00	23.00	7.50	5.80	
10	0.30	5.80	3.40	6.20	3.00	3.80	25.40	11.50	25.40	22.20	7.00	6.60	
11	0.00	19.80	6.60	12.70	3.80	4.60	17.60	10.00	19.80	21.40	6.20	5.00	
12	0.00	11.00	3.80	12.70	2.70	5.00	12.70	9.50	20.60	19.80	7.00	3.00	
13	0.00	15.50	8.00	12.00	4.20	6.20	10.50	9.50	20.60	18.30	6.60	2.70	
14	0.00	17.60	4.60	8.00	2.70	7.50	10.00	9.00	24.60	12.70	6.20	2.70	
15	0.00	18.30	4.20	17.60	2.70	4.20	10.00	18.30	40.00	16.20	5.80	3.80	
16	0.00	16.20	5.40	10.50	2.40	3.40	9.00	28.60	23.00	15.50	5.40	5.00	
17	17.60	10.50	3.40	11.50	2.10	3.00	17.60	19.00	17.60	14.80	5.00	8.00	
18	7.00	16.20	2.70	11.00	3.00	5.80	10.00	13.40	14.80	14.80	5.40	9.50	
19	5.00	9.50	2.40	16.90	2.40	3.80	8.50	11.00	14.80	6.20	5.00	6.20	
20	1.50	8.50	3.00	8.50	5.80	12.70	12.00	10.00	14.10	16.20	5.00	5.00	
21	2.70	9.00	3.00	6.60	3.40	9.50	11.50	23.00	16.20	12.00	5.00	4.60	
22	1.80	6.60	4.60	8.50	2.70	12.70	20.60	12.70	206.00	12.00	4.60	4.20	
23	3.40	5.80	2.70	6.20	2.10	15.50	15.50	10.50	629.20	11.50	4.20	3.80	
24	4.20	6.20	2.70	6.20	1.80	36.00	11.00	11.00	216.00	11.50	4.20	3.40	
25	3.80	6.60	2.40	6.60	1.80	31.80	14.80	10.50	276.20	11.50	4.20	3.40	
26	5.40	6.20	5.00	5.40	2.10	17.60	16.90	9.50	161.90	8.00	4.20	3.00	
27	10.50	5.80	2.70	7.00	1.80	10.00	19.00	8.50	134.00	10.00	4.20	2.70	
28	5.00	5.00	2.70	6.60	1.80	10.00	11.50	8.00	100.70	11.00	6.20	2.70	
29	8.00	5.40	3.80	5.40	1.80	20.60	10.00	8.00	83.60	14.80		4.20	
30	3.40	5.40	5.00	5.00	1.80	9.50	8.50	64.10	93.10	11.50		3.00	
31		4.20		4.20	1.80		8.00		76.00	11.00		2.70	
TOTAL	86.80	269.40	124.90	239.80	87.70	260.40	435.50	466.60	3960.00	697.90	181.40	153.40	6963.80 CMSDAY
MEAN	2.89	8.69	4.16	7.74	2.83	8.68	14.05	15.55	127.74	22.51	6.48	4.95	19.08 CMS
MAX	17.60	19.80	8.00	17.60	5.80	36.00	44.00	64.10	1152.40	72.60	11.50	10.00	1152.40 CMS
MIN	0.00	2.40	2.40	2.40	1.80	2.10	7.00	6.20	14.10	6.20	4.20	2.70	0.00 CMS
RUNOFF	7.500	23.276	10.791	20.719	7.577	22.499	37.627	40.314	342.144	60.299	15.673	13.254	601.672 MCM

MOMENTARY PEAK 1152.40 CMS, AT 32.82 M (MSL), AT 11.00 HOURS, ON DEC 1, 1984
RUNOFF YIELD 40.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2457.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

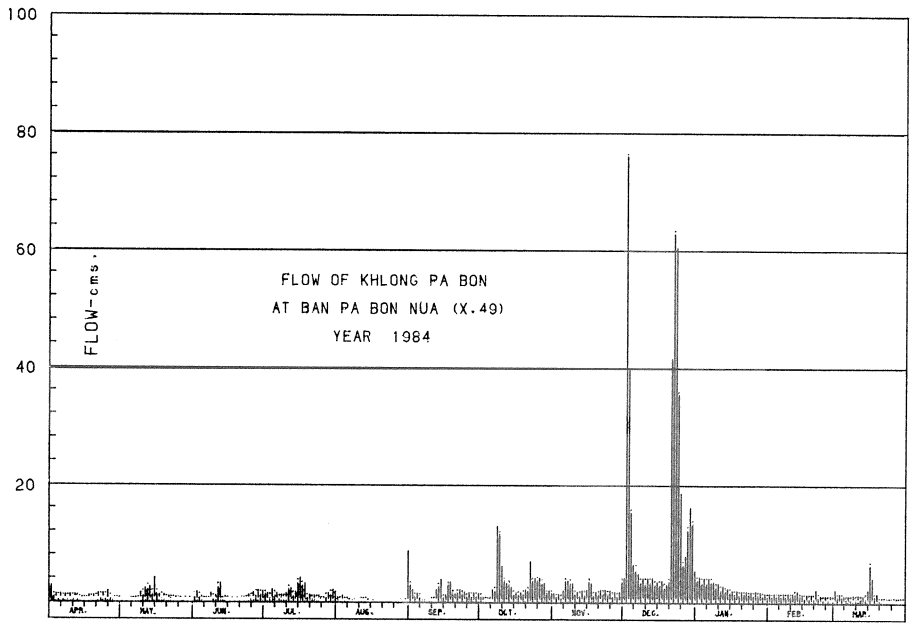
KHLONG PA BON AT BAN PA BON NUA, PHATTHALUNG (X.49)

LOCATION	LAT. 7-16-35 N., LONG. 100-10-01 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE ON HIGHWAY AT BAN PA BON NUA, AMPHOE PAK PHAYUN, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+21.90 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+25.454 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967-1970, 1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +23.83 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.83	22.68	22.76	22.78	22.70	22.86	22.75	22.75	22.89	22.90	22.75	22.80	
2	22.75	22.68	22.77	22.75	22.70	22.80	22.70	22.75	24.68	22.90	22.75	22.75	
3	22.74	22.68	22.75	22.75	22.72	22.75	22.70	22.74	23.91	22.89	22.75	22.75	
4	22.74	22.68	22.71	22.80	22.69	22.75	22.70	22.74	23.29	22.89	22.75	22.75	
5	22.74	22.68	22.69	22.78	22.69	22.75	22.70	22.79	22.98	22.89	22.75	22.72	
6	22.73	22.68	22.69	22.75	22.66	22.65	22.80	22.89	22.98	22.89	22.75	22.72	
7	22.73	22.69	22.69	22.73	22.65	22.65	22.82	22.87	22.92	22.89	22.75	22.72	
8	22.73	22.70	22.75	22.73	22.65	22.65	23.20	22.88	22.89	22.86	22.75	22.72	
9	22.73	22.76	22.73	22.73	22.64	22.70	23.17	22.85	22.89	22.85	22.75	22.73	
10	22.73	22.79	22.72	22.75	22.69	22.69	22.97	22.79	22.89	22.85	22.75	22.73	
11	22.73	22.81	22.85	22.83	22.69	22.70	22.89	22.77	22.89	22.83	22.75	22.73	
12	22.73	22.84	22.85	22.81	22.69	22.80	22.85	22.78	22.89	22.83	22.79	22.73	
13	22.71	22.82	22.69	22.77	22.69	22.85	22.87	22.79	22.89	22.82	22.78	22.72	
14	22.70	22.79	22.71	22.77	22.65	22.88	22.82	22.79	22.87	22.81	22.75	22.75	
15	22.70	22.89	22.70	22.88	22.65	22.73	22.79	22.80	22.86	22.81	22.74	22.80	
16	22.70	22.79	22.69	22.89	22.63	22.73	22.76	22.89	22.87	22.79	22.74	23.00	
17	22.72	22.73	22.68	22.86	22.61	22.86	22.78	22.85	22.87	22.79	22.74	22.89	
18	22.72	22.75	22.68	22.85	22.62	22.86	22.76	22.77	22.85	22.79	22.74	22.75	
19	22.72	22.73	22.68	22.74	22.61	22.79	22.79	22.77	22.84	22.78	22.74	22.75	
20	22.73	22.72	22.69	22.73	22.59	22.74	22.80	22.79	22.89	22.78	22.74	22.70	
21	22.75	22.71	22.70	22.72	22.59	22.80	22.82	22.80	23.95	22.78	22.80	22.70	
22	22.75	22.71	22.70	22.72	22.59	22.80	23.00	22.80	24.42	22.78	22.75	22.70	
23	22.75	22.71	22.71	22.72	22.59	22.79	22.89	22.80	24.36	22.77	22.72	22.69	
24	22.75	22.70	22.73	22.72	22.59	22.77	22.89	22.79	23.82	22.77	22.72	22.69	
25	22.78	22.70	22.74	22.70	22.59	22.75	22.90	22.79	23.37	22.77	22.72	22.69	
26	22.73	22.69	22.76	22.70	22.60	22.76	22.89	22.77	23.00	22.78	22.72	22.70	
27	22.70	22.69	22.79	22.75	22.65	22.76	22.88	22.77	23.03	22.77	22.72	22.69	
28	22.70	22.69	22.79	22.75	22.65	22.76	22.85	22.76	23.20	22.77	22.72	22.69	
29	22.70	22.69	22.78	22.79	22.66	22.76	22.79	22.77	23.30	22.76		22.70	
30	22.69	22.69	22.78	22.80	22.66	22.75	22.79	22.89	23.23	22.75		22.70	
31		22.69		22.77	23.06		22.79		22.94	22.75		22.70	
MEAN	22.73	22.73	22.73	22.77	22.66	22.76	22.84	22.80	23.21	22.82	22.75	22.74	
MAX	22.83	22.89	22.85	22.89	23.06	22.88	23.20	22.89	24.68	22.90	22.80	23.00	24.68
MIN	22.69	22.68	22.68	22.70	22.59	22.65	22.70	22.74	22.84	22.75	22.72	22.69	22.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 25.40 M (MSL), AT 6.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 21.90 M (MSL), RIVER BED 21.56 M (MSL)
LEFT BANK ELEVATION 26.27 M (MSL)
RIGHT BANK ELEVATION 23.82 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.86	0.76	1.68	1.94	0.90	3.52	1.55	1.55	4.18	4.40	1.55	2.20	
2	1.55	0.76	1.81	1.55	0.90	2.20	0.90	1.55	76.46	4.40	1.55	1.55	
3	1.42	0.76	1.55	1.55	1.16	1.55	0.90	1.42	39.75	4.18	1.55	1.55	
4	1.42	0.76	1.03	2.20	0.83	1.55	0.90	1.42	15.88	4.18	1.55	1.55	
5	1.42	0.76	0.83	1.94	0.83	1.55	0.90	2.07	6.48	4.18	1.55	1.16	
6	1.29	0.76	0.83	1.55	0.62	0.55	2.20	4.18	6.48	4.18	1.55	1.16	
7	1.29	0.83	0.83	1.29	0.55	0.55	2.64	3.74	4.92	4.18	1.55	1.16	
8	1.29	0.90	1.55	1.29	0.55	0.55	13.00	3.96	4.18	3.52	1.55	1.16	
9	1.29	1.68	1.29	1.29	0.48	0.90	12.10	3.30	4.18	3.30	1.55	1.29	
10	1.29	2.07	1.16	1.55	0.83	0.83	6.22	2.07	4.18	3.30	1.55	1.29	
11	1.29	2.42	3.30	2.86	0.83	0.90	4.18	1.81	4.18	2.86	1.55	1.29	
12	1.29	3.08	3.30	2.42	0.83	2.20	3.30	1.94	4.18	2.86	2.07	1.29	
13	1.03	2.64	0.83	1.81	0.83	3.30	3.74	2.07	4.18	2.64	1.94	1.16	
14	0.90	2.07	1.03	1.81	0.55	3.96	2.64	2.07	3.74	2.42	1.55	1.55	
15	0.90	4.18	0.90	3.96	0.55	1.29	2.07	2.20	3.52	2.42	1.42	2.20	
16	0.90	2.07	0.83	4.18	0.41	1.29	1.68	4.18	3.74	2.07	1.42	7.00	
17	1.16	1.29	0.76	3.52	0.27	3.52	1.94	3.30	3.74	2.07	1.42	4.18	
18	1.16	1.55	0.76	3.30	0.34	3.52	1.68	1.81	3.30	2.07	1.42	1.55	
19	1.16	1.29	0.76	1.42	0.27	2.07	2.07	1.81	3.08	1.94	1.42	1.55	
20	1.29	1.16	0.83	1.29	0.18	1.42	2.20	2.07	4.18	1.94	1.42	0.90	
21	1.55	1.03	0.90	1.16	0.18	2.20	2.64	2.20	41.55	1.94	2.20	0.90	
22	1.55	1.03	0.90	1.16	0.18	2.20	7.00	2.20	63.38	1.94	1.55	0.90	
23	1.55	1.03	1.03	1.16	0.18	2.07	4.18	2.20	60.44	1.81	1.16	0.83	
24	1.55	0.90	1.29	1.16	0.18	1.81	4.18	2.07	35.94	1.81	1.16	0.83	
25	1.94	0.90	1.42	0.90	0.18	1.55	4.40	2.07	18.65	1.81	1.16	0.83	
26	1.29	0.83	1.68	0.90	0.20	1.68	4.18	1.81	7.00	1.94	1.16	0.90	
27	0.90	0.83	2.07	1.55	0.55	1.68	3.96	1.81	7.90	1.81	1.16	0.83	
28	0.90	0.83	2.07	1.55	0.55	1.68	3.30	1.68	13.00	1.81	1.16	0.83	
29	0.90	0.83	1.94	2.07	0.62	1.68	2.07	1.81	16.20	1.68		0.90	
30	0.83	0.83	1.94	2.20	0.62	1.55	2.07	4.18	13.96	1.55		0.90	
31		0.83		1.81	8.80		2.07		5.44	1.55		0.90	
TOTAL	39.16	41.66	41.10	58.34	24.95	55.32	106.86	70.55	487.99	82.76	41.84	46.29	1096.82 CMSDAY
MEAN	1.31	1.34	1.37	1.88	0.80	1.84	3.45	2.35	15.74	2.67	1.49	1.49	3.00 CMS
MAX	2.86	4.18	3.30	4.18	8.80	3.96	13.00	4.18	76.46	4.40	2.20	7.00	76.46 CMS
MIN	0.83	0.76	0.76	0.90	0.18	0.55	0.90	1.42	3.08	1.55	1.16	0.83	0.18 CMS
RUNOFF	3.383	3.599	3.551	5.041	2.156	4.780	9.233	6.096	42.162	7.150	3.615	3.999	94.765 MCM

MOMENTARY PEAK 115.60 CMS, AT 25.40 M (MSL), AT 6.00 HOURS, ON DEC 23, 1984
RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

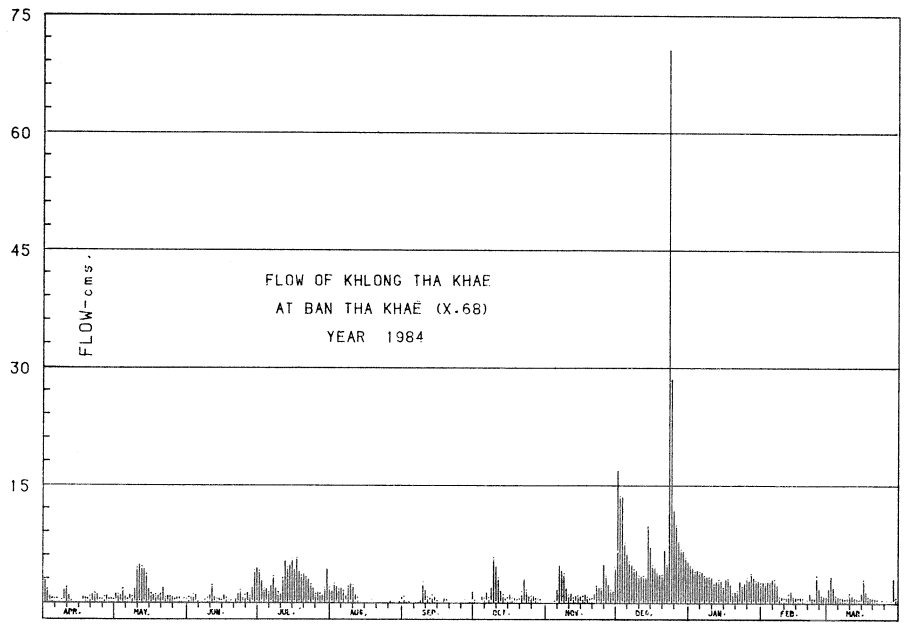
KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION	LAT. 7-34-01 N., LONG. 100-03-05 E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.800 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+14.916 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +15.46 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.85	12.64	12.58	12.98	12.69	12.60	12.50	12.45	13.87	13.04	12.83	12.73	
2	12.73	12.64	12.56	12.85	12.82	12.50	12.47	12.44	13.68	13.01	12.83	12.90	
3	12.59	12.61	12.64	12.74	12.77	12.46	12.49	12.47	13.67	12.97	12.84	12.75	
4	12.55	12.74	12.62	12.73	12.73	12.43	12.58	12.47	13.28	12.98	12.87	12.61	
5	12.53	12.58	12.45	12.68	12.74	12.39	12.56	12.72	13.16	12.97	12.87	12.57	
6	12.54	12.53	12.41	12.78	12.71	12.47	12.67	13.07	13.09	12.96	12.87	12.56	
7	12.51	12.62	12.44	12.91	12.60	12.41	12.57	12.98	13.05	12.92	12.79	12.55	
8	12.50	12.60	12.51	12.74	12.78	12.48	12.75	12.95	13.00	12.90	12.59	12.53	
9	12.71	12.73	12.56	12.68	12.81	12.84	13.13	12.74	12.98	12.90	12.57	12.54	
10	12.76	13.02	12.61	12.63	12.80	12.71	13.03	12.63	12.92	12.89	12.56	12.66	
11	12.61	13.05	12.80	12.89	12.62	12.58	12.89	12.65	12.91	12.81	12.55	12.60	
12	12.48	13.03	12.57	13.09	12.57	12.55	12.70	12.57	12.92	12.84	12.65	12.55	
13	12.45	13.00	12.53	13.02	12.47	12.63	12.64	12.60	12.89	12.87	12.69	12.53	
14	12.44	12.94	12.53	13.04	12.50	12.57	12.53	12.62	13.43	12.85	12.59	12.51	
15	12.43	12.73	12.50	13.12	12.50	12.48	12.57	12.59	13.23	12.76	12.56	12.65	
16	12.47	12.66	12.61	12.99	12.52	12.44	12.63	12.61	13.05	12.87	12.55	12.87	
17	12.57	12.62	12.56	13.13	12.51	12.41	12.56	12.63	13.01	12.88	12.56	12.68	
18	12.55	12.64	12.51	12.97	12.51	12.53	12.54	12.59	12.95	12.80	12.54	12.59	
19	12.54	12.60	12.48	12.92	12.47	12.51	12.52	12.54	12.93	12.67	12.51	12.56	
20	12.60	12.64	12.46	12.94	12.46	12.46	12.54	12.55	12.93	12.68	12.51	12.54	
21	12.63	12.75	12.60	12.90	12.46	12.48	12.70	12.64	13.20	12.71	12.64	12.53	
22	12.66	12.58	12.64	12.87	12.46	12.40	12.87	12.79	13.05	12.84	12.54	12.52	
23	12.63	12.60	12.72	12.81	12.47	12.44	12.72	12.75	16.13	12.77	12.53	12.51	
24	12.53	12.60	12.55	12.74	12.49	12.41	12.59	12.75	14.49	12.82	12.92	12.50	
25	12.52	12.57	12.63	12.65	12.47	12.43	12.61	13.05	13.56	12.90	12.73	12.50	
26	12.59	12.53	12.66	12.67	12.55	12.50	12.59	12.92	13.44	12.85	12.61	12.49	
27	12.60	12.56	12.61	12.66	12.48	12.51	12.55	12.80	13.29	12.95	12.59	12.49	
28	12.53	12.56	12.75	12.61	12.47	12.44	12.53	12.72	13.21	12.89	12.58	12.48	
29	12.54	12.51	12.99	12.76	12.41	12.50	12.52	12.69	13.19	12.86		12.88	
30	12.52	12.54	13.01	13.00	12.51	12.68	12.49	13.03	13.13	12.85		12.57	
31		12.52		12.76	12.57		12.46		13.08	12.83		12.51	
MEAN	12.57	12.68	12.60	12.85	12.58	12.51	12.63	12.70	13.31	12.87	12.66	12.60	
MAX	12.85	13.05	13.01	13.13	12.82	12.84	13.13	13.07	16.13	13.04	12.92	12.90	16.13
MIN	12.43	12.51	12.41	12.61	12.41	12.39	12.46	12.44	12.89	12.67	12.51	12.48	12.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.23 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 11.80 M (MSL), RIVER BED 11.66 M (MSL)
LEFT BANK ELEVATION 15.45 M (MSL)
RIGHT BANK ELEVATION 16.63 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.80	1.11	0.75	4.10	1.44	0.85	0.36	0.18	16.89	4.74	2.60	1.74	
2	1.74	1.11	0.65	2.80	2.50	0.36	0.25	0.14	13.68	4.41	2.60	3.30	
3	0.80	0.92	1.11	1.82	2.06	0.22	0.32	0.25	13.52	4.00	2.70	1.90	
4	0.61	1.82	0.98	1.74	1.74	0.11	0.75	0.25	7.74	4.10	3.00	0.92	
5	0.51	0.75	0.18	1.37	1.82	0.00	0.65	1.66	6.18	4.00	3.00	0.70	
6	0.56	0.51	0.04	2.14	1.58	0.25	1.31	5.07	5.29	3.90	3.00	0.65	
7	0.41	0.98	0.14	3.40	0.85	0.04	0.70	4.10	4.85	3.50	2.22	0.61	
8	0.36	0.85	0.41	1.82	2.14	0.29	1.90	3.80	4.30	3.30	0.80	0.51	
9	1.58	1.74	0.65	1.37	2.40	2.70	5.79	1.82	4.10	3.30	0.70	0.56	
10	1.98	4.52	0.92	1.04	2.30	1.58	4.63	1.04	3.50	3.20	0.65	1.24	
11	0.92	4.85	2.30	3.20	0.98	0.75	3.20	1.18	3.40	2.40	0.61	0.85	
12	0.29	4.63	0.70	5.29	0.70	0.61	1.50	0.70	3.50	2.70	1.18	0.61	
13	0.18	4.30	0.51	4.52	0.25	1.04	1.11	0.85	3.20	3.00	1.44	0.51	
14	0.14	3.70	0.51	4.74	0.36	0.70	0.51	0.98	9.82	2.80	0.80	0.41	
15	0.11	1.74	0.36	5.66	0.36	0.29	0.70	0.80	7.09	1.98	0.65	1.18	
16	0.25	1.24	0.92	4.20	0.46	0.14	1.04	0.92	4.85	3.00	0.61	3.00	
17	0.70	0.98	0.65	5.79	0.41	0.04	0.65	1.04	4.41	3.10	0.65	1.37	
18	0.61	1.11	0.41	4.00	0.41	0.51	0.56	0.80	3.80	2.30	0.56	0.80	
19	0.56	0.85	0.29	3.50	0.25	0.41	0.46	0.56	3.60	1.31	0.41	0.65	
20	0.85	1.11	0.22	3.70	0.22	0.22	0.56	0.61	3.60	1.37	0.41	0.56	
21	1.04	1.90	0.85	3.30	0.22	0.29	1.50	1.11	6.70	1.58	1.11	0.51	
22	1.24	0.75	1.11	3.00	0.22	0.00	3.00	2.22	4.85	2.70	0.56	0.46	
23	1.04	0.85	1.66	2.40	0.25	0.14	1.66	1.90	70.67	2.06	0.51	0.41	
24	0.51	0.85	0.61	1.82	0.32	0.04	0.80	1.90	28.88	2.50	3.50	0.36	
25	0.46	0.70	1.04	1.18	0.25	0.11	0.92	4.85	11.76	3.30	1.74	0.36	
26	0.80	0.51	1.24	1.31	0.61	0.36	0.80	3.50	9.96	2.80	0.92	0.32	
27	0.85	0.65	0.92	1.24	0.29	0.41	0.61	2.30	7.87	3.80	0.80	0.32	
28	0.51	0.65	1.90	0.92	0.25	0.14	0.51	1.66	6.83	3.20	0.75	0.29	
29	0.56	0.41	4.20	1.98	0.04	0.36	0.46	1.44	6.57	2.90		3.10	
30	0.46	0.56	4.41	4.30	0.41	1.37	0.32	4.63	5.79	2.80		0.70	
31		0.46		1.98	0.70		0.22		5.18	2.60		0.41	
TOTAL	23.43	47.11	30.64	89.63	26.79	14.33	37.75	52.26	292.38	92.65	38.48	29.31	774.76 CMSDAY
MEAN	0.78	1.52	1.02	2.89	0.86	0.48	1.22	1.74	9.43	2.99	1.37	0.95	2.12 CMS
MAX	2.80	4.85	4.41	5.79	2.50	2.70	5.79	5.07	70.67	4.74	3.50	3.30	70.67 CMS
MIN	0.11	0.41	0.04	0.92	0.04	0.00	0.22	0.14	3.20	1.31	0.41	0.29	0.00 CMS
RUNOFF	2.024	4.070	2.647	7.744	2.315	1.238	3.262	4.515	25.262	8.005	3.325	2.532	66.939 MCM

MOMENTARY PEAK 73.57 CMS, AT 16.23 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984

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

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

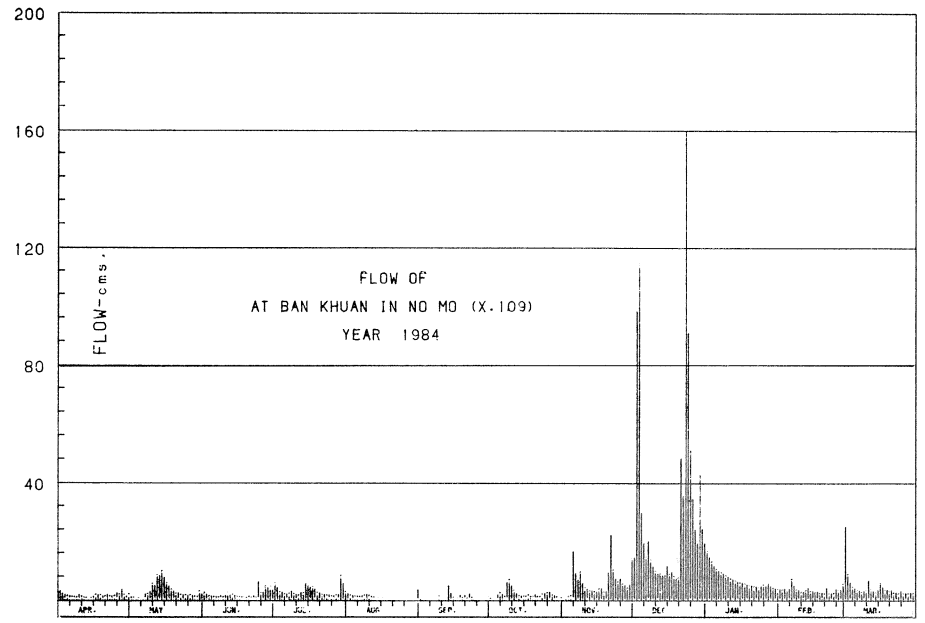
KHLONG BANG KAEO AT BAN KHUAN IN NO MO, PHATTHALUNG (X.109)

LOCATION	LAT. 7-20-36 N., LONG. 100-03-33 E., ON LEFT BANK AT BAN KHUAN IN NOMO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	133 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE HEALTH OFFICE.
ELEVATION	+8.495 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 231 DISCHARGE MEASUREMENTS MADE IN 1983.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.02	0.83	0.99	1.21	0.94	0.82	0.78	0.80	1.70	1.82	1.05	2.23	
2	0.94	0.82	0.91	1.09	0.90	0.78	0.75	0.87	4.48	1.71	1.05	1.40	
3	0.90	0.80	0.88	1.01	0.87	0.75	0.76	0.85	4.80	1.64	1.06	1.20	
4	0.88	0.80	0.86	0.98	0.86	0.75	0.89	0.88	2.45	1.56	1.09	1.11	
5	0.86	0.78	0.85	0.94	0.86	0.74	0.98	1.81	1.95	1.51	1.06	1.07	
6	0.85	0.83	0.84	0.92	0.85	0.74	0.91	1.48	1.72	1.47	1.29	1.04	
7	0.84	0.92	0.83	0.96	0.87	0.76	0.85	1.27	1.98	1.44	1.13	1.02	
8	0.83	0.95	0.87	1.01	0.89	0.79	1.21	1.46	1.67	1.41	1.05	1.00	
9	0.90	1.01	0.84	0.95	0.91	0.86	1.28	1.19	1.55	1.37	1.03	1.01	
10	0.86	1.20	0.87	0.91	0.89	0.80	1.13	1.10	1.47	1.34	1.00	1.03	
11	0.82	1.14	0.99	0.90	0.85	0.76	1.04	1.06	1.41	1.30	0.99	1.25	
12	0.81	1.39	0.88	0.97	0.83	0.75	0.93	1.03	1.41	1.28	1.04	1.06	
13	0.80	1.37	0.92	0.97	0.81	1.20	0.88	1.02	1.37	1.25	1.08	1.01	
14	0.80	1.48	0.87	1.18	0.81	0.94	0.86	1.01	1.37	1.23	1.02	0.98	
15	0.84	1.33	0.85	1.20	0.81	0.83	0.86	0.98	1.56	1.21	1.00	1.03	
16	0.92	1.21	0.84	1.10	0.81	0.80	0.86	1.07	1.40	1.20	0.98	1.26	
17	0.89	1.13	0.83	1.12	0.80	0.78	0.90	1.07	1.45	1.18	0.99	1.10	
18	0.91	1.07	0.83	1.06	0.80	0.88	0.85	1.00	1.35	1.16	0.96	1.04	
19	0.85	1.01	0.81	0.99	0.80	0.81	0.85	1.00	1.29	1.15	0.95	1.04	
20	0.87	0.96	0.85	0.95	0.81	0.87	0.90	1.43	1.32	1.14	0.94	1.02	
21	0.90	0.96	0.83	0.92	0.79	0.79	0.85	2.09	3.13	1.12	1.08	1.03	
22	0.87	0.92	0.86	0.90	0.78	0.92	0.85	1.50	2.64	1.11	0.94	0.98	
23	0.85	0.90	0.82	0.90	0.77	0.82	0.93	1.29	5.55	1.10	0.93	0.97	
24	0.88	0.91	1.23	0.89	0.76	0.79	0.94	1.23	4.32	1.12	0.96	0.95	
25	0.95	0.88	0.98	0.87	0.75	0.81	0.98	1.29	3.22	1.16	1.05	1.01	
26	0.93	0.91	0.98	0.86	0.75	0.78	0.98	1.18	2.64	1.12	1.04	0.95	
27	1.05	0.87	1.14	0.90	0.75	0.77	0.90	1.14	2.18	1.23	1.04	0.94	
28	0.92	0.86	1.09	0.90	0.74	0.79	0.87	1.09	1.99	1.12	1.18	0.95	
29	0.85	0.85	1.13	1.38	0.75	0.84	0.84	1.15	2.93	1.09		0.96	
30	0.94	1.03	1.03	1.19	0.75	0.83	0.81	1.70	2.23	1.07		0.97	
31		0.92		1.01	1.04		0.80		1.95	1.06		0.95	
MEAN	0.88	1.00	0.92	1.00	0.83	0.82	0.91	1.20	2.27	1.28	1.04	1.08	
MAX	1.05	1.48	1.23	1.38	1.04	1.20	1.28	2.09	5.55	1.82	1.29	2.23	5.55
MIN	0.80	0.78	0.81	0.86	0.74	0.74	0.75	0.80	1.29	1.06	0.93	0.94	0.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.81 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.04 M (A.D)
LEFT BANK ELEVATION 7.10 M (A.D)
RIGHT BANK ELEVATION 7.28 M (A.D), DRAINAGE AREA 133 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.30	1.30	2.90	6.15	2.40	1.20	0.80	1.00	14.50	16.90	3.75	25.25	
2	2.40	1.20	2.10	4.35	2.00	0.80	0.50	1.70	99.10	14.70	3.75	9.00	
3	2.00	1.00	1.80	3.15	1.70	0.50	0.60	1.50	115.00	13.30	3.90	6.00	
4	1.80	1.00	1.60	2.80	1.60	0.50	1.90	1.80	30.75	11.70	4.35	4.65	
5	1.60	0.80	1.50	2.40	1.60	0.40	2.80	16.70	19.50	10.70	3.90	4.05	
6	1.50	1.30	1.40	2.20	1.50	0.40	2.10	10.20	14.90	10.05	7.35	3.60	
7	1.40	2.20	1.30	2.60	1.70	0.60	1.50	7.05	20.10	9.60	4.95	3.30	
8	1.30	2.50	1.70	3.15	1.90	0.90	6.15	9.90	13.90	9.15	3.75	3.00	
9	2.00	3.15	1.40	2.50	2.10	1.60	7.20	5.85	11.50	8.55	3.45	3.15	
10	1.60	6.00	1.70	2.10	1.90	1.00	4.95	4.50	10.05	8.10	3.00	3.45	
11	1.20	5.10	2.90	2.00	1.50	0.60	3.60	3.90	9.15	7.50	2.90	6.75	
12	1.10	8.85	1.80	2.70	1.30	0.50	2.30	3.45	9.15	7.20	3.60	3.90	
13	1.00	8.55	2.20	2.70	1.10	6.00	1.80	3.30	8.55	6.75	4.20	3.15	
14	1.00	10.20	1.70	5.70	1.10	2.40	1.60	3.15	8.55	6.45	3.30	2.80	
15	1.40	7.95	1.50	6.00	1.10	1.30	1.60	2.80	11.70	6.15	3.00	3.45	
16	2.20	6.15	1.40	4.50	1.10	1.00	1.60	4.05	9.00	6.00	2.80	6.90	
17	1.90	4.95	1.30	4.80	1.00	0.80	2.00	4.05	9.75	5.70	2.90	4.50	
18	2.10	4.05	1.30	3.90	1.00	1.80	1.50	3.00	8.25	5.40	2.60	3.60	
19	1.50	3.15	1.10	2.90	1.00	1.10	1.50	3.00	7.35	5.25	2.50	3.60	
20	1.70	2.60	1.50	2.50	1.10	1.70	2.00	9.45	7.80	5.10	2.40	3.30	
21	2.00	2.60	1.30	2.20	0.90	0.90	1.50	22.30	48.40	4.80	4.20	3.45	
22	1.70	2.20	1.60	2.00	0.80	2.20	1.50	10.50	35.50	4.65	2.40	2.80	
23	1.50	2.00	1.20	2.00	0.70	1.20	2.30	7.35	159.75	4.50	2.30	2.70	
24	1.80	2.10	6.45	1.90	0.60	0.90	2.40	6.45	91.90	4.80	2.60	2.50	
25	2.50	1.80	2.80	1.70	0.50	1.10	2.80	7.35	51.10	5.40	3.75	3.15	
26	2.30	2.10	2.80	1.60	0.50	0.80	2.80	5.70	35.50	4.80	3.60	2.50	
27	3.75	1.70	5.10	2.00	0.50	0.70	2.00	5.10	24.10	6.45	3.60	2.40	
28	2.20	1.60	4.35	2.00	0.40	0.90	1.70	4.35	20.30	4.80	5.70	2.50	
29	1.50	1.50	4.95	8.70	0.50	1.40	1.40	5.25	42.75	4.35		2.60	
30	2.40	3.45	3.45	5.85	0.50	1.30	1.10	14.50	25.25	4.05		2.70	
31		2.20		3.15	3.60		1.00		19.50	3.90		2.50	
TOTAL	55.65	105.25	68.10	102.20	39.20	36.50	68.50	189.20	992.60	226.75	100.50	137.20	2121.65 CMSDAY
MEAN	1.86	3.40	2.27	3.30	1.26	1.22	2.21	6.31	32.02	7.31	3.59	4.43	5.81 CMS
MAX	3.75	10.20	6.45	8.70	3.60	6.00	7.20	22.30	159.75	16.90	7.35	25.25	159.75 CMS
MIN	1.00	0.80	1.10	1.60	0.40	0.40	0.50	1.00	7.35	3.90	2.30	2.40	0.40 CMS
RUNOFF	4.808	9.094	5.884	8.830	3.387	3.154	5.918	16.347	85.761	19.591	8.683	11.854	183.311 MCM

MOMENTARY PEAK 176.70 CMS, AT 5.81 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 43.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1328.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

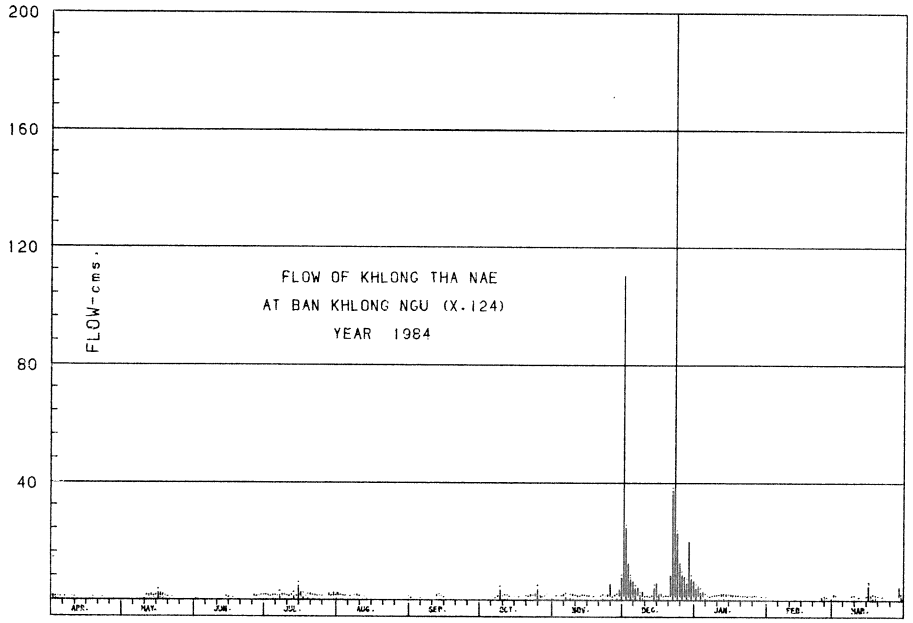
KHLONG THA NAE AT BAN PHLONG NGU, PHATTHALUNG (X.124)

LOCATION	LAT. 7-53-50 N., LONG. 99-49-29 N., ON LEFT BANK ABOUT 5 KILOMETERS DOWNSTREAM FROM PURPOSE DAMSITE, BAN PHLONG NGU, AMPHOE SI BANPHOT, PHATTHALUNG.
DRAINAGE AREA	90 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 35.60 METERS FROM THE GAGE SITE.
ELEVATION	+9.022 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.53	0.62	0.73	0.70	0.53	0.47	0.64	3.61	0.96	0.56	0.67	
2	0.60	0.51	0.55	0.65	0.66	0.51	0.46	0.62	1.82	0.92	0.56	0.65	
3	0.59	0.50	0.53	0.61	0.64	0.50	0.46	0.60	1.33	0.89	0.56	0.58	
4	0.57	0.50	0.52	0.65	0.63	0.54	0.47	0.63	1.15	0.85	0.55	0.55	
5	0.56	0.49	0.51	0.65	0.61	0.50	0.50	0.72	1.02	0.83	0.55	0.54	
6	0.56	0.49	0.50	0.62	0.61	0.49	0.56	0.84	0.94	0.81	0.55	0.53	
7	0.55	0.49	0.51	0.86	0.59	0.58	0.52	0.76	0.89	0.79	0.55	0.52	
8	0.54	0.58	0.54	0.68	0.65	0.56	0.62	0.71	0.85	0.77	0.54	0.52	
9	0.59	0.55	0.52	0.66	0.66	0.58	0.92	0.68	0.85	0.75	0.53	0.63	
10	0.55	0.76	0.52	0.63	0.63	0.55	0.77	0.65	0.79	0.74	0.53	0.65	
11	0.53	0.74	0.63	0.62	0.59	0.52	0.66	0.63	0.77	0.73	0.53	0.59	
12	0.53	0.64	0.56	0.73	0.58	0.74	0.65	0.63	0.80	0.71	0.58	0.56	
13	0.53	0.68	0.54	0.85	0.57	0.70	0.60	0.66	0.76	0.70	0.56	0.54	
14	0.53	0.81	0.61	0.81	0.56	0.62	0.59	0.65	0.96	0.68	0.54	0.53	
15	0.53	0.66	0.55	1.01	0.55	0.57	0.61	0.63	0.98	0.67	0.53	0.61	
16	0.56	0.88	0.57	0.84	0.54	0.55	0.61	0.63	0.86	0.67	0.52	1.01	
17	0.58	0.70	0.53	0.84	0.54	0.54	0.57	0.61	0.83	0.66	0.52	0.76	
18	0.55	0.67	0.52	0.77	0.53	0.52	0.55	0.59	0.79	0.65	0.52	0.68	
19	0.54	0.62	0.50	0.71	0.54	0.51	0.65	0.58	0.76	0.64	0.52	0.65	
20	0.53	0.59	0.49	0.70	0.58	0.50	0.63	0.60	0.77	0.63	0.52	0.62	
21	0.54	0.58	0.50	0.66	0.53	0.49	0.61	0.62	1.14	0.63	0.54	0.60	
22	0.53	0.56	0.53	0.65	0.52	0.49	0.73	0.68	2.19	0.62	0.52	0.58	
23	0.53	0.55	0.55	0.63	0.51	0.49	0.74	0.62	5.04	0.61	0.52	0.57	
24	0.53	0.55	0.54	0.63	0.51	0.48	0.69	0.66	1.76	0.61	0.70	0.56	
25	0.52	0.53	0.55	0.62	0.50	0.48	0.94	0.97	1.34	0.61	0.61	0.55	
26	0.54	0.56	0.64	0.61	0.50	0.48	0.77	0.80	1.21	0.63	0.55	0.55	
27	0.54	0.53	0.61	0.62	0.50	0.48	0.80	0.74	1.11	0.63	0.55	0.54	
28	0.52	0.53	0.61	0.70	0.49	0.48	0.78	0.70	1.07	0.60	0.66	0.55	
29	0.51	0.52	0.65	0.76	0.49	0.50	0.70	0.87	1.63	0.59		0.90	
30	0.51	0.53	0.74	0.84	0.59	0.50	0.80	1.15	1.14	0.58		0.71	
31		0.53		0.75	0.61		0.68		1.03	0.58		0.65	
MEAN	0.55	0.59	0.56	0.71	0.57	0.53	0.65	0.70	1.30	0.70	0.55	0.62	
MAX	0.63	0.88	0.74	1.01	0.70	0.74	0.94	1.15	5.04	0.96	0.70	1.01	5.04
MIN	0.51	0.49	0.49	0.61	0.49	0.48	0.46	0.58	0.76	0.58	0.52	0.52	0.46

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.90 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.65 M (A.D)
LEFT BANK ELEVATION 4.73 M (A.D)
RIGHT BANK ELEVATION 3.69 M (A.D), DRAINAGE AREA 90 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.57	0.88	1.48	1.90	2.20	0.88	0.58	1.66	110.33	5.40	1.06	1.93	
2	1.30	0.76	1.00	1.75	1.84	0.76	0.54	1.48	25.62	4.80	1.06	1.75	
3	1.24	0.70	0.88	1.39	1.66	0.70	0.54	1.30	12.46	4.17	1.06	1.18	
4	1.12	0.70	0.82	1.75	1.57	0.94	0.58	1.57	8.70	2.85	1.00	1.00	
5	1.06	0.66	0.76	1.75	1.39	0.70	0.70	2.00	6.36	2.19	1.00	0.94	
6	1.06	0.66	0.70	1.48	1.39	0.66	1.06	2.52	5.10	1.53	1.00	0.88	
7	1.00	0.66	0.76	3.18	1.24	1.18	0.82	1.60	4.17	1.30	1.00	0.82	
8	0.94	1.18	0.94	2.02	1.75	1.06	1.48	2.10	2.85	1.50	0.94	0.82	
9	1.24	1.00	0.82	1.84	1.84	1.18	4.80	2.02	2.85	1.70	0.88	1.57	
10	1.00	1.60	0.82	1.57	1.57	1.00	1.50	1.75	1.30	1.80	0.88	1.75	
11	0.88	1.80	1.57	1.48	1.24	0.82	1.84	1.57	1.50	1.90	0.88	1.24	
12	0.88	1.66	1.06	1.90	1.18	1.80	1.75	1.57	1.20	2.10	1.18	1.06	
13	0.88	2.02	0.94	2.85	1.12	2.20	1.30	1.84	1.60	2.20	1.06	0.94	
14	0.88	1.53	1.39	1.53	1.06	1.48	1.24	1.75	5.40	2.02	0.94	0.88	
15	0.88	1.84	1.00	6.18	1.00	1.12	1.39	1.57	5.70	1.93	0.88	1.39	
16	1.06	3.84	1.12	2.52	0.94	1.00	1.39	1.57	3.18	1.93	0.82	6.18	
17	1.18	2.20	0.88	2.52	0.94	0.94	1.12	1.39	2.19	1.84	0.82	1.60	
18	1.00	1.93	0.82	1.50	0.88	0.82	1.00	1.24	1.30	1.75	0.82	2.02	
19	0.94	1.48	0.70	2.10	0.94	0.76	1.75	1.18	1.60	1.66	0.82	1.75	
20	0.88	1.24	0.66	2.20	1.18	0.70	1.57	1.30	1.50	1.57	0.82	1.48	
21	0.94	1.18	0.70	1.84	0.88	0.66	1.39	1.48	8.52	1.57	0.94	1.30	
22	0.88	1.06	0.88	1.75	0.82	0.66	1.90	2.02	38.33	1.48	0.82	1.18	
23	0.88	1.00	1.00	1.57	0.76	0.66	1.80	1.48	216.40	1.39	0.82	1.12	
24	0.88	1.00	0.94	1.57	0.76	0.62	2.11	1.84	23.80	1.39	2.20	1.06	
25	0.82	0.88	1.00	1.48	0.70	0.62	5.10	5.55	12.68	1.39	1.39	1.00	
26	0.94	1.06	1.66	1.39	0.70	0.62	1.50	1.20	9.82	1.57	1.00	1.00	
27	0.94	0.88	1.39	1.48	0.70	0.62	1.20	1.80	7.98	1.57	1.00	0.94	
28	0.82	0.88	1.39	2.20	0.66	0.62	1.40	2.20	7.26	1.30	1.84	1.00	
29	0.76	0.82	1.75	1.60	0.66	0.70	2.20	3.51	19.90	1.24		4.50	
30	0.76	0.88	1.80	2.52	1.24	0.70	1.20	8.70	8.52	1.18		2.10	
31		0.88		1.70	1.39		2.02		6.54	1.18		1.75	
TOTAL	29.61	38.86	31.63	62.51	36.20	27.18	48.77	62.76	564.66	61.40	28.93	48.13	1040.64 CMSDAY
MEAN	0.99	1.25	1.05	2.02	1.17	0.91	1.57	2.09	18.21	1.98	1.03	1.55	2.85 CMS
MAX	1.57	3.84	1.80	6.18	2.20	2.20	5.10	8.70	216.40	5.40	2.20	6.18	216.40 CMS
MIN	0.76	0.66	0.66	1.39	0.66	0.62	0.54	1.18	1.20	1.18	0.82	0.82	0.54 CMS
RUNOFF	2.558	3.358	2.733	5.401	3.128	2.348	4.214	5.422	48.787	5.305	2.500	4.158	89.911 MCM

MOMENTARY PEAK 296.50 CMS, AT 5.90 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 31.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3294.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

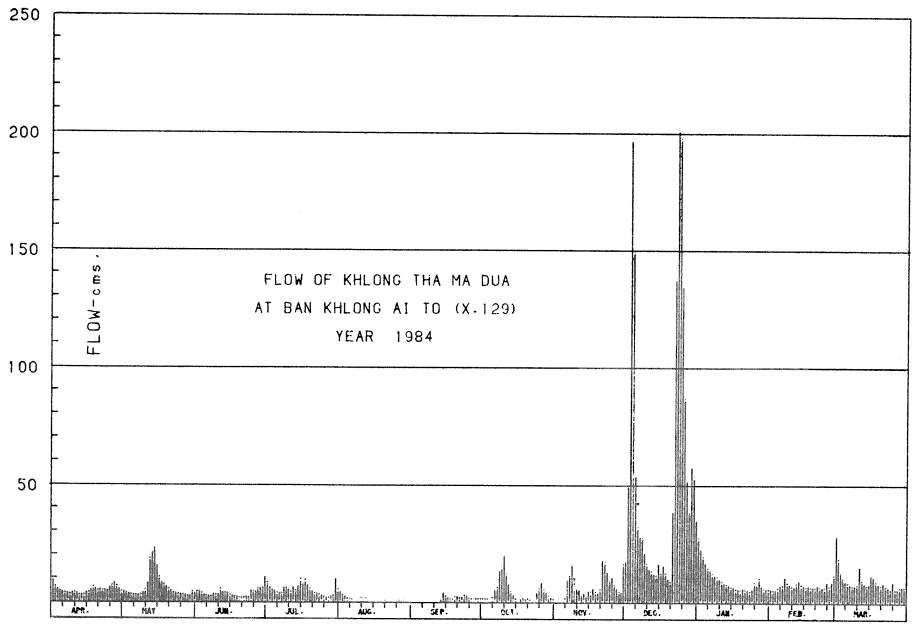
KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION	LAT. 07-23-19 N., LONG. 100-06-44 N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	332 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+13.30 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+20.510 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1982 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +20.58 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	14.43	14.06	14.08	14.38	14.04	13.61	13.74	13.70	14.91	15.44	14.16	15.47	
2	14.25	14.01	14.07	14.23	13.93	13.61	13.73	13.70	16.41	15.19	14.13	14.99	
3	14.16	13.97	14.01	14.13	13.84	13.61	13.73	13.70	20.51	15.03	14.13	14.64	
4	14.08	13.95	13.93	14.08	13.76	13.61	13.73	13.70	19.37	14.88	14.22	14.51	
5	14.04	13.93	13.90	14.03	13.73	13.61	13.80	13.76	16.55	14.76	14.28	14.41	
6	14.01	13.92	13.86	13.99	13.70	13.61	14.11	14.55	15.66	14.70	14.30	14.37	
7	13.99	13.91	13.85	14.01	13.67	13.62	14.23	14.57	15.45	14.63	14.53	14.32	
8	13.96	13.94	13.95	14.21	13.68	13.62	14.68	14.91	15.45	14.57	14.37	14.28	
9	14.00	14.00	13.94	14.21	13.72	13.63	14.80	14.58	15.11	14.54	14.32	14.28	
10	14.04	14.16	13.94	14.13	13.78	13.62	15.04	14.26	14.88	14.47	14.27	14.32	
11	13.98	14.35	14.18	14.06	13.72	13.63	14.63	14.13	14.73	14.42	14.25	14.79	
12	13.93	14.99	14.03	14.22	13.76	13.63	14.32	14.07	14.69	14.35	14.36	14.44	
13	13.93	15.11	14.02	14.12	13.65	13.85	14.08	13.99	14.61	14.33	14.43	14.35	
14	13.93	15.21	14.00	14.25	13.65	14.00	13.89	14.03	14.58	14.29	14.32	14.29	
15	14.01	14.81	13.93	14.48	13.65	13.89	13.75	14.08	14.86	14.25	14.28	14.32	
16	14.04	14.53	13.89	14.31	13.64	13.80	13.68	14.07	14.63	14.23	14.25	14.57	
17	14.12	14.36	13.86	14.46	13.64	13.72	13.90	14.18	14.81	14.18	14.27	14.53	
18	14.24	14.32	13.82	14.29	13.64	13.71	13.78	14.06	14.63	14.17	14.24	14.41	
19	14.17	14.24	13.79	14.19	13.64	13.84	13.68	13.99	14.47	14.14	14.24	14.33	
20	14.11	14.18	13.79	14.07	13.64	13.85	13.74	14.17	14.41	14.19	14.23	14.29	
21	14.14	14.10	13.80	14.00	13.63	13.78	13.67	14.94	15.94	14.16	14.29	14.36	
22	14.12	14.02	13.82	13.97	13.63	13.80	13.65	14.92	19.08	14.13	14.24	14.27	
23	14.12	13.99	13.80	13.95	13.63	13.93	13.66	14.65	20.61	14.10	14.22	14.23	
24	14.10	13.97	14.09	13.89	13.63	13.88	13.98	14.46	20.54	14.16	14.23	14.16	
25	14.22	13.95	14.08	13.84	13.63	13.77	14.21	14.51	18.99	14.39	14.38	14.39	
26	14.29	13.94	14.05	13.77	13.63	13.73	14.36	14.31	17.67	14.28	14.27	14.16	
27	14.37	13.92	14.20	13.80	13.63	13.73	14.15	14.17	16.47	14.51	14.39	14.16	
28	14.27	13.88	14.20	13.84	13.62	13.76	14.01	14.07	15.93	14.26	14.59	14.23	
29	14.16	13.85	14.21	13.91	13.62	13.75	13.90	14.03	16.69	14.19		14.24	
30	14.07	14.08	14.53	14.47	13.62	13.74	13.77	14.87	16.56	14.17		14.25	
31		13.97		14.17	13.61		13.70		15.78	14.18		14.19	
MEAN	14.11	14.18	13.99	14.11	13.69	13.73	14.00	14.24	16.29	14.43	14.29	14.40	
MAX	14.43	15.21	14.53	14.48	14.04	14.00	15.04	14.94	20.61	15.44	14.59	15.47	20.61
MIN	13.93	13.85	13.79	13.77	13.61	13.61	13.65	13.70	14.41	14.10	14.13	14.16	13.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.68 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 13.30 M (MSL), RIVER BED 13.52 M (MSL)
LEFT BANK ELEVATION 20.58 M (MSL)
RIGHT BANK ELEVATION 20.83 M (MSL), DRAINAGE AREA 332 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.35	4.60	4.80	8.62	4.40	0.86	1.72	1.40	17.29	27.60	5.66	28.20	
2	6.80	4.10	4.70	6.52	3.30	0.86	1.64	1.40	50.06	22.61	5.33	18.81	
3	5.66	3.70	4.10	5.33	2.52	0.86	1.64	1.40	196.43	19.57	5.33	12.68	
4	4.80	3.50	3.30	4.80	1.88	0.86	1.64	1.40	149.40	16.76	6.38	10.56	
5	4.40	3.30	3.00	4.30	1.64	0.86	2.20	1.88	53.70	14.72	7.22	9.05	
6	4.10	3.20	2.68	3.90	1.40	0.86	5.11	11.20	32.22	13.70	7.50	8.48	
7	3.90	3.10	2.60	4.10	1.22	0.92	6.52	11.52	27.80	12.51	10.88	7.78	
8	3.60	3.40	3.50	6.24	1.28	0.92	13.36	17.29	27.80	11.52	8.48	7.22	
9	4.00	4.00	3.40	6.24	1.56	0.98	15.40	11.68	21.09	11.04	7.78	7.22	
10	4.40	5.66	3.40	5.33	2.04	0.92	19.76	6.94	16.76	9.95	7.08	7.78	
11	3.80	8.20	5.88	4.60	1.56	0.98	12.51	5.33	14.21	9.20	6.80	15.23	
12	3.30	18.81	4.30	6.38	1.88	0.98	7.78	4.70	13.53	8.20	8.34	9.50	
13	3.30	21.09	4.20	5.22	1.10	2.60	4.80	3.90	12.17	7.92	9.35	8.20	
14	3.30	23.00	4.00	6.80	1.10	4.00	2.92	4.30	11.68	7.36	7.78	7.36	
15	4.10	15.57	3.30	10.10	1.10	2.92	1.80	4.80	16.42	6.80	7.22	7.78	
16	4.40	10.88	2.92	7.64	1.04	2.20	1.28	4.70	12.51	6.52	6.80	11.52	
17	5.22	8.34	2.68	9.80	1.04	1.56	3.00	5.88	15.57	5.88	7.08	10.88	
18	6.66	7.78	2.36	7.36	1.04	1.48	2.04	4.60	12.51	5.77	6.66	9.05	
19	5.77	6.66	2.12	5.99	1.04	2.52	1.28	3.90	9.95	5.44	6.66	7.92	
20	5.11	5.88	2.12	4.70	1.04	2.60	1.72	5.77	9.05	5.99	6.52	7.36	
21	5.44	5.00	2.20	4.00	0.98	2.04	1.22	17.86	38.56	5.66	7.36	8.34	
22	5.22	4.20	2.36	3.70	0.98	2.20	1.10	17.48	138.02	5.33	6.66	7.08	
23	5.22	3.90	2.20	3.50	0.98	3.30	1.16	12.85	200.74	5.00	6.38	6.52	
24	5.00	3.70	4.90	2.92	0.98	2.84	3.80	9.80	197.72	5.66	6.52	5.66	
25	6.38	3.50	4.80	2.52	0.98	1.96	6.24	10.56	134.52	8.76	8.62	8.76	
26	7.36	3.40	4.50	1.96	0.98	1.64	8.34	7.64	87.01	7.22	7.08	5.66	
27	8.48	3.20	6.10	2.20	0.98	1.64	5.55	5.77	51.62	10.56	8.76	5.66	
28	7.08	2.84	6.10	2.52	0.92	1.88	4.10	4.70	38.32	6.94	11.84	6.52	
29	5.66	2.60	6.24	3.10	0.92	1.80	3.00	4.30	57.52	5.99		6.66	
30	4.70	4.80	10.88	9.95	0.92	1.72	1.96	16.59	53.96	5.77		6.80	
31		3.70		5.77	0.86		1.40		34.86	5.88		5.99	
TOTAL	156.51	205.61	119.64	166.11	43.66	51.76	145.99	221.54	1753.00	301.83	208.07	286.23	3659.95 CMSDAY
MEAN	5.22	6.63	3.99	5.36	1.41	1.73	4.71	7.38	56.55	9.74	7.43	9.23	10.03 CMS
MAX	9.35	23.00	10.88	10.10	4.40	4.00	19.76	17.86	200.74	27.60	11.84	28.20	200.74 CMS
MIN	3.30	2.60	2.12	1.96	0.86	0.86	1.10	1.40	9.05	5.00	5.33	5.66	0.86 CMS
RUNOFF	13.522	17.765	10.337	14.352	3.772	4.472	12.614	19.141	151.459	26.078	17.977	24.730	316.220 MCM

MOMENTARY PEAK 203.82 CMS, AT 20.68 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984
RUNOFF YIELD 30.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 613.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

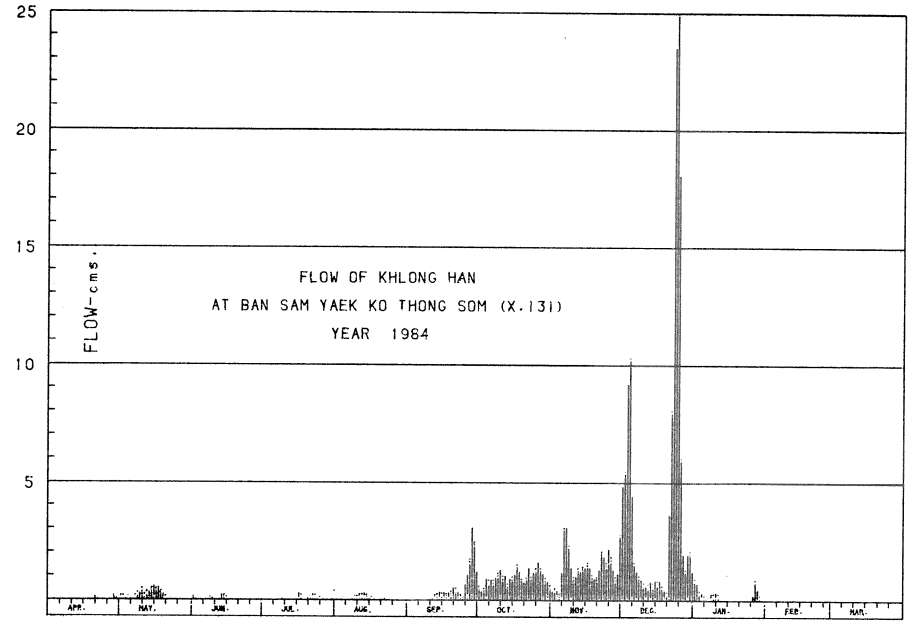
KHLONG HAN AT BAN SAM YAEK KO THONG SOM, PHATTHALUNG (X.131)

LOCATION	LAT. 7-24-12 N., LONG. 100-05-42 E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN SAM YAEK KO THONG SOM, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	9 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.790 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE GAGE OBSERVER S HOUSE.
ELEVATION	+23.713 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +18.31 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 5 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.93	16.13	16.11	16.06	16.59	16.45	16.76	16.70	17.32	16.83	16.48	16.13	
2	15.90	16.12	16.09	16.04	16.59	16.47	16.70	16.74	17.38	16.78	16.45	16.13	
3	15.89	16.10	16.09	16.01	16.58	16.49	16.74	16.71	17.67	16.71	16.44	16.09	
4	15.86	16.11	16.07	15.99	16.58	16.49	16.83	16.66	17.74	16.66	16.42	16.01	
5	15.87	16.07	16.05	15.95	16.57	16.50	16.82	16.89	17.28	16.61	16.42	16.00	
6	15.86	16.07	16.02	15.93	16.56	16.50	16.82	17.13	16.95	16.59	16.41	16.05	
7	15.86	16.13	16.02	15.92	16.56	16.49	16.82	17.13	16.90	16.58	16.41	16.06	
8	15.87	16.19	16.08	15.90	16.58	16.50	16.84	17.04	16.86	16.66	16.40	16.06	
9	15.86	16.16	16.04	16.02	16.60	16.53	16.89	16.92	16.82	16.66	16.40	16.10	
10	15.84	16.27	16.05	16.03	16.60	16.56	16.91	16.85	16.79	16.68	16.38	16.13	
11	15.84	16.16	16.07	16.04	16.65	16.60	16.86	16.85	16.75	16.66	16.36	16.14	
12	15.84	16.21	16.04	16.04	16.65	16.64	16.86	16.92	16.78	16.55	16.35	16.17	
13	15.84	16.19	16.19	16.03	16.66	16.66	16.78	16.90	16.80	16.54	16.30	16.16	
14	15.84	16.27	16.14	15.99	16.64	16.69	16.83	16.93	16.79	16.54	16.26	16.16	
15	15.84	16.29	16.08	16.01	16.61	16.68	16.85	16.92	16.81	16.52	16.22	16.22	
16	15.84	16.26	16.04	16.17	16.58	16.68	16.87	16.95	16.81	16.50	16.25	16.31	
17	15.84	16.27	16.01	16.14	16.56	16.66	16.94	16.92	16.81	16.48	16.20	16.37	
18	15.84	16.22	15.97	16.31	16.54	16.67	16.90	16.87	16.76	16.47	16.19	16.41	
19	15.84	16.15	15.96	16.50	16.54	16.71	16.83	16.83	16.71	16.47	16.18	16.43	
20	16.10	16.11	15.93	16.56	16.54	16.74	16.79	16.85	16.70	16.47	16.15	16.42	
21	16.05	16.08	15.92	16.60	16.54	16.74	16.84	16.91	17.19	16.46	16.14	16.43	
22	15.97	16.05	15.92	16.64	16.54	16.69	16.92	17.01	17.59	16.45	16.12	16.42	
23	15.93	16.03	15.91	16.63	16.52	16.64	16.85	16.98	18.50	16.44	16.07	16.42	
24	15.90	16.00	15.91	16.60	16.50	16.59	16.89	16.95	18.94	16.43	16.11	16.41	
25	15.90	15.97	15.89	16.57	16.49	16.81	16.92	17.02	18.17	16.46	16.10	16.41	
26	15.96	15.94	15.89	16.55	16.48	16.87	16.95	16.98	17.43	16.61	16.09	16.40	
27	15.92	15.92	15.96	16.56	16.48	16.97	16.92	16.91	16.99	16.82	16.10	16.39	
28	16.13	15.91	16.00	16.56	16.48	17.13	16.88	16.85	16.91	16.72	16.11	16.40	
29	16.06	15.93	16.06	16.57	16.46	17.06	16.84	16.88	16.99	16.62		16.40	
30	16.09	15.91	16.06	16.58	16.45	16.90	16.80	17.10	17.01	16.55		16.40	
31		15.90		16.59	16.46		16.77		16.90	16.50		16.40	
MEAN	15.91	16.10	16.02	16.26	16.55	16.67	16.85	16.91	17.16	16.58	16.27	16.26	
MAX	16.13	16.29	16.19	16.64	16.66	17.13	16.95	17.13	18.94	16.83	16.48	16.43	18.94
MIN	15.84	15.90	15.89	15.90	16.45	16.45	16.70	16.66	16.70	16.43	16.07	16.00	15.84

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.06 M (MSL), AT 6.00 HOURS, ON DEC 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 15.79 M (MSL), RIVER BED 15.60 M (MSL)
LEFT BANK ELEVATION 18.56 M (MSL)
RIGHT BANK ELEVATION 18.31 M (MSL), DRAINAGE AREA 9 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.21	0.17	0.11	0.16	0.00	0.60	0.35	4.82	0.90	0.00	0.00	
2	0.00	0.19	0.14	0.08	0.16	0.00	0.35	0.52	5.48	0.69	0.00	0.00	
3	0.00	0.15	0.14	0.05	0.14	0.00	0.52	0.39	9.18	0.39	0.00	0.00	
4	0.00	0.17	0.12	0.04	0.14	0.00	0.90	0.28	10.30	0.28	0.00	0.00	
5	0.00	0.12	0.09	0.02	0.12	0.00	0.86	1.16	4.42	0.19	0.00	0.00	
6	0.00	0.12	0.06	0.01	0.10	0.00	0.86	3.07	1.60	0.16	0.00	0.00	
7	0.00	0.21	0.06	0.01	0.10	0.00	0.86	3.07	1.20	0.14	0.00	0.00	
8	0.00	0.32	0.13	0.00	0.14	0.00	0.95	2.32	1.03	0.28	0.00	0.00	
9	0.00	0.26	0.08	0.06	0.18	0.05	1.16	1.36	0.86	0.28	0.00	0.00	
10	0.00	0.52	0.09	0.07	0.18	0.10	1.28	0.99	0.73	0.31	0.00	0.00	
11	0.00	0.26	0.12	0.08	0.26	0.18	1.03	0.99	0.56	0.28	0.00	0.00	
12	0.00	0.37	0.08	0.08	0.26	0.24	1.03	1.36	0.69	0.09	0.00	0.00	
13	0.00	0.32	0.32	0.07	0.28	0.28	0.69	1.20	0.77	0.07	0.00	0.00	
14	0.00	0.52	0.23	0.04	0.24	0.33	0.90	1.44	0.73	0.07	0.00	0.00	
15	0.00	0.57	0.13	0.05	0.19	0.31	0.99	1.36	0.82	0.04	0.00	0.00	
16	0.00	0.50	0.08	0.28	0.14	0.31	1.07	1.60	0.82	0.00	0.00	0.00	
17	0.00	0.52	0.05	0.23	0.10	0.28	1.52	1.36	0.82	0.00	0.00	0.00	
18	0.00	0.39	0.03	0.00	0.07	0.30	1.20	1.07	0.60	0.00	0.00	0.00	
19	0.00	0.24	0.02	0.00	0.07	0.39	0.90	0.90	0.39	0.00	0.00	0.00	
20	0.15	0.17	0.01	0.10	0.07	0.52	0.73	0.99	0.35	0.00	0.00	0.00	
21	0.09	0.13	0.01	0.18	0.07	0.52	0.95	1.28	3.61	0.00	0.00	0.00	
22	0.03	0.09	0.01	0.24	0.07	0.33	1.36	2.08	8.06	0.00	0.00	0.00	
23	0.01	0.07	0.00	0.23	0.04	0.24	0.99	1.84	23.50	0.00	0.00	0.00	
24	0.00	0.04	0.00	0.18	0.00	0.16	1.16	1.60	32.30	0.00	0.00	0.00	
25	0.00	0.03	0.00	0.12	0.00	0.82	1.36	2.16	18.05	0.00	0.00	0.00	
26	0.02	0.02	0.00	0.09	0.00	1.07	1.60	1.84	6.03	0.19	0.00	0.00	
27	0.01	0.01	0.02	0.10	0.00	1.76	1.36	1.28	1.92	0.86	0.00	0.00	
28	0.21	0.00	0.04	0.10	0.00	3.07	1.11	0.99	1.28	0.43	0.00	0.00	
29	0.11	0.01	0.11	0.12	0.00	2.48	0.95	1.11	1.92	0.21		0.00	
30	0.14	0.00	0.11	0.14	0.00	1.20	0.77	2.80	2.08	0.09		0.00	
31		0.00		0.16	0.00		0.65		1.20	0.00		0.00	
TOTAL	0.78	6.53	2.45	3.04	3.28	14.94	30.66	42.76	146.12	5.95	0.00	0.00	256.51 CMSDAY
MEAN	0.03	0.21	0.08	0.10	0.11	0.50	0.99	1.43	4.71	0.19	0.00	0.00	0.70 CMS
MAX	0.21	0.57	0.32	0.28	0.28	3.07	1.60	3.07	32.30	0.90	0.00	0.00	32.30 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.28	0.35	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.067	0.564	0.212	0.263	0.283	1.291	2.649	3.694	12.625	0.514	0.000	0.000	22.162 MCM

MOMENTARY PEAK 34.70 CMS, AT 19.06 M (MSL), AT 6.00 HOURS, ON DEC 24, 1984

RUNOFF YIELD 78.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3855.55 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

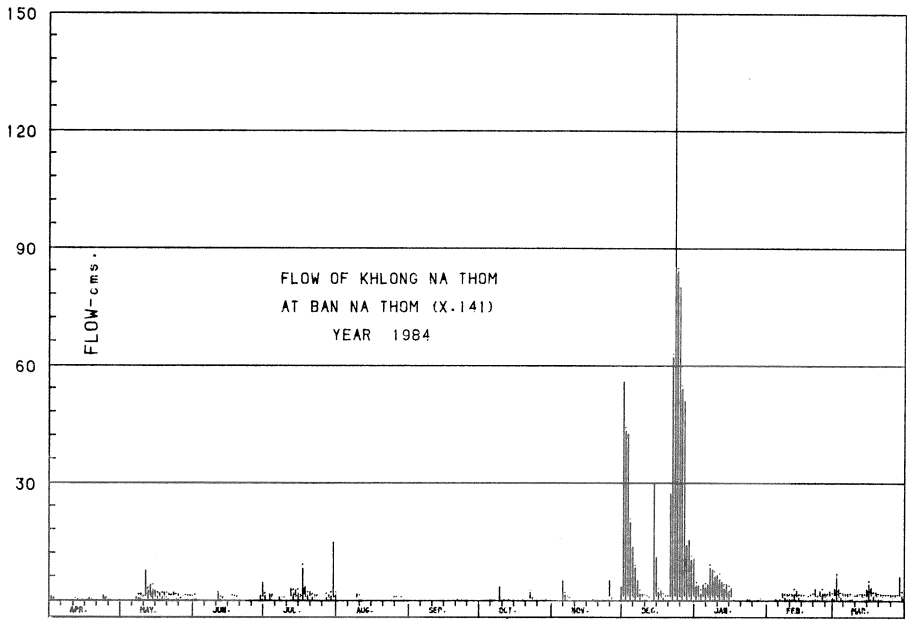
KHLONG NA THOM AT BAN NA THOM, PHATTHALUNG (X.141)

LOCATION	LAT. 7-35-32 N., LONG. 100-00-44 E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-TRANG HIGHWAY AT BAN NA THOM, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.210 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+21.348 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +20.43 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY NA THOM WEIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.93	15.77	16.06	16.13	15.74	15.73	15.69	15.66	18.32	16.42	15.85	16.25	
2	15.88	15.75	15.99	15.88	15.72	15.66	15.73	15.68	18.01	16.33	15.83	16.56	
3	15.80	15.73	15.70	16.17	15.74	15.73	15.74	15.67	17.96	16.24	15.82	16.25	
4	15.77	15.80	15.69	16.05	15.73	15.75	15.83	15.67	17.24	16.36	15.94	16.14	
5	15.76	15.73	15.96	15.65	15.76	15.73	15.88	16.44	16.91	16.40	15.84	16.11	
6	15.77	15.72	15.76	15.64	15.76	15.76	15.84	16.15	16.68	16.36	15.82	16.09	
7	15.75	15.91	15.70	16.12	15.75	15.78	15.81	15.99	16.44	16.69	16.11	16.08	
8	15.76	16.08	15.68	15.95	15.73	15.75	15.78	15.91	16.23	16.62	16.10	16.11	
9	15.84	16.09	15.65	15.93	16.07	15.73	16.38	15.82	16.08	16.60	16.07	15.97	
10	15.78	15.98	15.70	15.90	16.05	15.70	15.92	15.81	16.06	16.53	16.09	16.01	
11	15.87	16.61	16.19	15.95	15.85	15.68	15.79	15.75	16.02	16.56	16.08	16.06	
12	15.79	16.28	15.99	16.26	15.84	15.69	15.82	15.74	15.94	16.42	16.26	16.09	
13	15.77	16.35	15.91	16.24	15.80	15.68	15.80	15.73	15.91	16.37	16.20	16.09	
14	15.76	16.37	15.90	16.22	15.79	15.77	15.78	15.73	17.58	16.37	16.06	16.07	
15	15.75	16.20	15.90	16.25	15.78	15.75	15.77	15.73	16.78	16.33	16.05	16.24	
16	15.75	16.15	15.92	16.04	15.78	15.75	15.76	15.73	16.27	16.27	16.04	16.44	
17	15.87	16.10	16.02	16.69	15.77	15.75	15.75	15.75	16.21	15.76	15.94	16.28	
18	15.77	16.14	15.99	16.30	15.76	15.77	15.77	15.85	16.12	15.76	15.98	16.16	
19	15.74	16.13	15.96	16.16	15.75	15.75	15.78	15.82	16.02	15.75	16.04	16.15	
20	15.70	16.14	15.84	16.16	15.74	15.77	15.75	15.82	16.01	15.73	16.11	16.10	
21	15.71	16.09	15.62	16.10	15.70	15.86	15.75	15.89	17.46	15.74	16.25	16.08	
22	15.70	16.04	15.59	16.04	15.70	15.76	16.14	16.00	18.48	15.74	15.98	16.05	
23	15.98	16.13	15.62	16.03	15.75	15.77	15.89	15.80	20.44	15.97	16.19	16.04	
24	15.90	16.08	15.66	15.91	15.78	15.82	15.83	15.79	18.93	15.94	16.26	16.05	
25	15.86	16.05	15.62	15.91	15.95	15.79	15.73	16.44	18.83	15.93	16.10	16.04	
26	15.81	15.88	15.74	15.99	15.96	15.71	15.77	15.90	18.30	15.89	16.09	16.03	
27	15.77	15.95	15.87	16.11	15.95	15.71	15.80	15.87	18.20	15.99	16.18	16.04	
28	15.74	16.03	15.85	16.02	15.93	15.70	15.84	15.85	16.99	15.90	16.12	16.05	
29	15.74	16.01	16.13	16.18	15.91	15.70	15.81	15.85	17.00	15.89		16.51	
30	15.78	16.02	16.41	16.97	15.91	15.69	15.79	16.39	16.80	15.87		16.18	
31		15.98		16.16	15.89		15.74		16.76	15.86		16.11	
MEAN	15.79	16.04	15.85	16.10	15.82	15.74	15.82	15.87	17.13	16.15	16.05	16.14	
MAX	15.98	16.61	16.41	16.97	16.07	15.86	16.38	16.44	20.44	16.69	16.26	16.56	20.44
MIN	15.70	15.72	15.59	15.64	15.70	15.66	15.69	15.66	15.91	15.73	15.82	15.97	15.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.71 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 15.21 M (MSL), RIVER BED 15.21 M (MSL)
LEFT BANK ELEVATION 21.41 M (MSL)
RIGHT BANK ELEVATION 20.42 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.95	0.23	1.60	2.01	0.17	0.15	0.08	0.06	55.90	4.80	0.55	3.00	
2	0.70	0.19	1.25	0.70	0.12	0.06	0.15	0.07	44.35	3.80	0.45	6.90	
3	0.30	0.15	0.08	2.29	0.17	0.15	0.17	0.07	42.60	2.90	0.40	3.00	
4	0.23	0.30	0.08	1.55	0.15	0.19	0.45	0.07	21.00	4.10	1.00	2.08	
5	0.21	0.15	1.10	0.06	0.21	0.15	0.70	5.10	13.70	4.50	0.50	1.87	
6	0.23	0.12	0.21	0.06	0.21	0.21	0.50	2.15	9.10	4.10	0.40	1.75	
7	0.19	0.85	0.08	1.94	0.19	0.26	0.35	1.25	5.10	9.30	1.87	1.70	
8	0.21	1.70	0.07	1.05	0.15	0.19	0.26	0.85	2.80	7.90	1.80	1.87	
9	0.50	1.75	0.06	0.95	1.65	0.15	4.30	0.40	1.70	7.50	1.65	1.15	
10	0.26	1.20	0.08	0.80	1.55	0.08	0.90	0.35	1.60	6.45	1.75	1.35	
11	0.65	7.70	2.43	1.05	0.55	0.07	0.28	0.19	1.40	6.90	1.70	1.60	
12	0.28	3.30	1.25	3.10	0.50	0.08	0.40	0.17	1.00	4.80	3.10	1.75	
13	0.23	4.00	0.85	2.90	0.30	0.07	0.30	0.15	0.85	4.20	2.50	1.75	
14	0.21	4.20	0.80	2.70	0.28	0.23	0.26	0.15	30.90	4.20	1.60	1.65	
15	0.19	2.50	0.80	3.00	0.26	0.19	0.23	0.15	11.10	3.80	1.55	2.90	
16	0.19	2.15	0.90	1.50	0.26	0.19	0.21	0.15	3.20	3.20	1.50	5.10	
17	0.65	1.80	1.40	9.30	0.23	0.19	0.19	0.19	2.60	0.21	1.00	3.30	
18	0.23	2.08	1.25	3.50	0.21	0.23	0.23	0.55	1.94	0.21	1.20	2.22	
19	0.17	2.01	1.10	2.22	0.19	0.19	0.26	0.40	1.40	0.19	1.50	2.15	
20	0.08	2.08	0.50	2.22	0.17	0.23	0.19	0.40	1.35	0.15	1.87	1.80	
21	0.10	1.75	0.05	1.80	0.08	0.60	0.19	0.75	27.30	0.17	3.00	1.70	
22	0.08	1.50	0.04	1.50	0.08	0.21	2.08	1.30	63.10	0.17	1.20	1.55	
23	1.20	2.01	0.05	1.45	0.19	0.23	0.75	0.30	177.30	1.15	2.43	1.50	
24	0.80	1.70	0.06	0.85	0.26	0.40	0.45	0.28	85.00	1.00	3.10	1.55	
25	0.60	1.55	0.05	0.85	1.05	0.28	0.15	5.10	80.00	0.95	1.80	1.50	
26	0.35	0.70	0.17	1.25	1.10	0.10	0.23	0.80	55.00	0.75	1.75	1.45	
27	0.23	1.05	0.65	1.87	1.05	0.10	0.30	0.65	51.00	1.25	2.36	1.50	
28	0.17	1.45	0.55	1.40	0.95	0.08	0.50	0.55	15.30	0.80	1.94	1.55	
29	0.17	1.35	2.01	2.36	0.85	0.08	0.35	0.55	15.50	0.75		6.15	
30	0.26	1.40	4.65	14.90	0.85	0.08	0.28	4.40	11.50	0.65		2.36	
31		1.20		2.22	0.75		0.17		10.70	0.60		1.87	
TOTAL	10.62	54.12	24.17	73.35	14.73	5.42	15.86	27.55	845.29	91.45	45.47	71.57	1279.60 CMSDAY
MEAN	0.35	1.75	0.81	2.37	0.48	0.18	0.51	0.92	27.27	2.95	1.62	2.31	3.51 CMS
MAX	1.20	7.70	4.65	14.90	1.65	0.60	4.30	5.10	177.30	9.30	3.10	6.90	177.30 CMS
MIN	0.08	0.12	0.04	0.06	0.08	0.06	0.08	0.06	0.85	0.15	0.40	1.15	0.04 CMS
RUNOFF	0.918	4.676	2.088	6.337	1.273	0.468	1.370	2.380	73.033	7.901	3.929	6.184	110.557 MCM

MOMENTARY PEAK 198.30 CMS, AT 20.71 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984

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

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

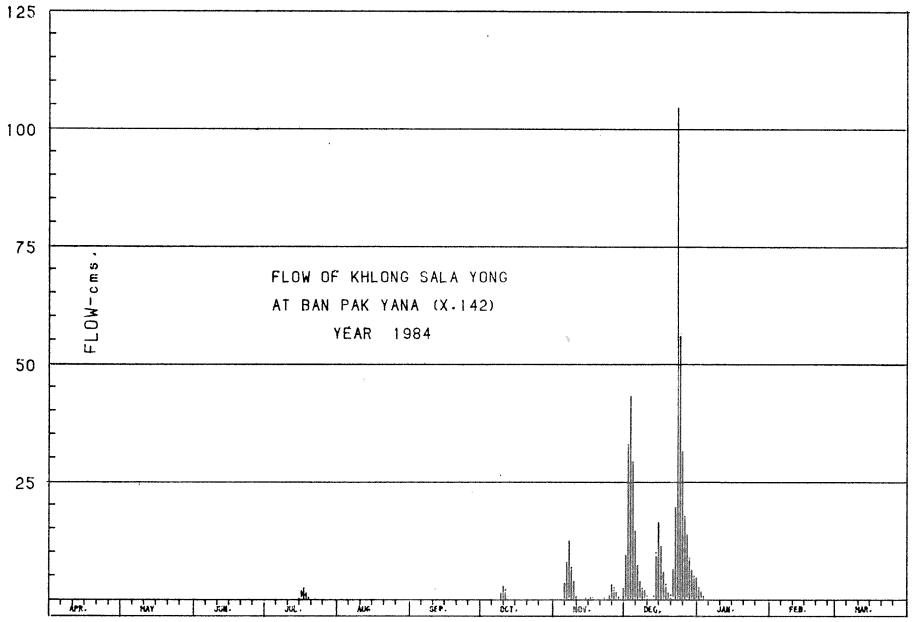
KHLONG SALA YONG AT BAN PAK YANA, PHATTHALUNG (X.142)

LOCATION	LAT. 7-31-13 N., LONG. 100-03-34 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PAK YANA, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.50 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 100 METERS FROM THE GAGE SITE.
ELEVATION	+15.310 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +14.39 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 2 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	13.61	13.02	13.18	13.68	13.33	12.85	12.95	13.20	14.48	14.15	13.30	13.02	
2	13.57	13.05	13.28	13.60	13.34	12.84	12.96	13.21	14.98	14.08	13.14	13.08	
3	13.53	12.92	13.38	13.61	13.42	12.91	13.46	13.11	15.10	14.00	13.15	13.10	
4	13.49	12.91	13.29	13.58	13.32	12.81	13.37	13.25	14.93	13.90	13.04	13.09	
5	13.44	13.29	13.30	13.50	13.20	12.81	13.33	14.21	14.64	13.82	13.07	13.01	
6	13.38	12.92	13.30	13.45	13.28	12.77	13.56	14.42	14.40	13.74	13.13	12.96	
7	13.17	12.91	13.29	13.41	13.16	12.79	13.53	14.58	14.23	13.71	13.07	12.91	
8	13.23	12.86	13.48	13.15	13.19	12.79	13.83	14.38	14.14	13.65	13.06	12.88	
9	13.16	12.86	13.32	13.25	13.15	12.78	14.08	14.23	14.11	13.64	13.21	12.96	
10	13.10	13.17	13.38	13.36	13.12	12.79	14.17	13.99	14.01	13.59	13.24	13.06	
11	12.92	13.43	13.20	13.38	13.10	12.93	14.12	13.89	13.93	13.61	13.35	13.16	
12	12.92	13.41	13.27	13.38	13.10	12.86	14.00	13.87	13.95	13.50	13.20	13.13	
13	12.91	13.70	13.39	13.39	13.10	12.87	13.87	13.89	14.01	13.48	13.11	13.04	
14	12.93	13.54	13.31	13.84	12.92	13.05	13.62	13.97	14.50	13.47	13.11	12.98	
15	12.94	13.52	13.35	13.95	13.00	13.01	13.53	13.96	14.69	13.43	13.02	13.02	
16	12.93	13.47	13.32	14.10	12.93	13.16	13.36	14.03	14.54	13.40	12.96	13.26	
17	12.95	13.42	13.18	14.14	12.91	13.07	13.36	13.99	14.33	13.39	12.93	13.34	
18	13.17	13.59	13.25	14.06	12.97	12.98	13.20	13.86	14.20	13.33	12.93	13.40	
19	13.22	13.65	13.22	13.96	13.07	12.99	13.21	13.72	14.06	13.35	12.92	13.41	
20	13.21	13.45	13.08	13.91	12.92	13.08	13.27	13.68	14.03	13.30	12.93	13.37	
21	13.15	13.47	13.13	13.86	13.00	13.02	13.37	13.79	14.36	13.31	12.91	13.29	
22	13.12	13.46	13.16	13.96	12.93	13.15	13.43	13.98	14.76	13.22	12.88	13.24	
23	13.22	13.34	13.17	13.85	12.90	13.31	13.53	13.99	15.61	13.10	12.90	13.34	
24	13.20	13.26	13.17	13.80	12.88	13.19	13.57	14.08	15.23	13.08	12.84	13.31	
25	13.19	13.45	13.20	13.70	12.87	13.18	13.66	14.19	14.96	13.09	12.87	13.16	
26	13.16	13.35	13.20	13.64	12.85	13.16	13.61	14.15	14.72	13.23	12.97	13.10	
27	13.28	13.28	13.23	13.68	12.89	13.13	13.48	14.07	14.62	13.22	12.93	12.84	
28	13.09	13.22	13.32	13.69	12.87	13.04	13.50	13.98	14.46	13.24	13.01	12.89	
29	13.14	13.13	13.45	13.59	12.84	13.19	13.44	13.96	14.35	13.35		13.66	
30	13.21	13.17	13.55	13.64	12.82	13.26	13.34	14.18	14.29	13.39		13.91	
31		13.13		13.64	12.82		13.21		14.27	13.32		13.95	
MEAN	13.18	13.27	13.28	13.67	13.04	12.99	13.51	13.93	14.48	13.49	13.04	13.19	
MAX	13.61	13.70	13.55	14.14	13.42	13.31	14.17	14.58	15.61	14.15	13.35	13.95	15.61
MIN	12.91	12.86	13.08	13.15	12.82	12.77	12.95	13.11	13.93	13.08	12.84	12.84	12.77

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.61 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 11.50 M (MSL), RIVER BED 10.25 M (MSL)
LEFT BANK ELEVATION 14.69 M (MSL)
RIGHT BANK ELEVATION 14.38 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

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	9.46	2.55	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.02	1.58	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.30	0.70	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.32	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49	14.58	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	7.30	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.48	3.87	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.88	2.40	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	1.58	3.87	1.95	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.63	0.81	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.21	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.35	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	10.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.42	16.43	0.00	0.00	0.00	
16	0.00	0.00	0.00	1.80	0.00	0.00	0.00	1.03	11.24	0.00	0.00	0.00	
17	0.00	0.00	0.00	2.40	0.00	0.00	0.00	0.63	5.83	0.00	0.00	0.00	
18	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.46	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.56	19.62	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	104.65	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	56.57	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	31.54	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	17.74	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	13.84	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	8.92	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	6.25	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	5.01	0.00		0.07	
31		0.00		0.00	0.00		0.00		4.63	0.00		0.35	
TOTAL	0.00	0.00	0.00	6.82	0.00	0.00	7.23	51.68	471.80	4.83	0.00	0.42	542.78 CMSDAY
MEAN	0.00	0.00	0.00	0.22	0.00	0.00	0.23	1.72	15.22	0.16	0.00	0.01	1.49 CMS
MAX	0.00	0.00	0.00	2.40	0.00	0.00	2.85	12.48	104.65	2.55	0.00	0.35	104.65 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.589	0.000	0.000	0.625	4.465	40.764	0.417	0.000	0.036	46.896 MCM

MOMENTARY PEAK 104.65 CMS, AT 15.61 M (MSL), AT 12.00 HOURS, ON DEC 23, 1984

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

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

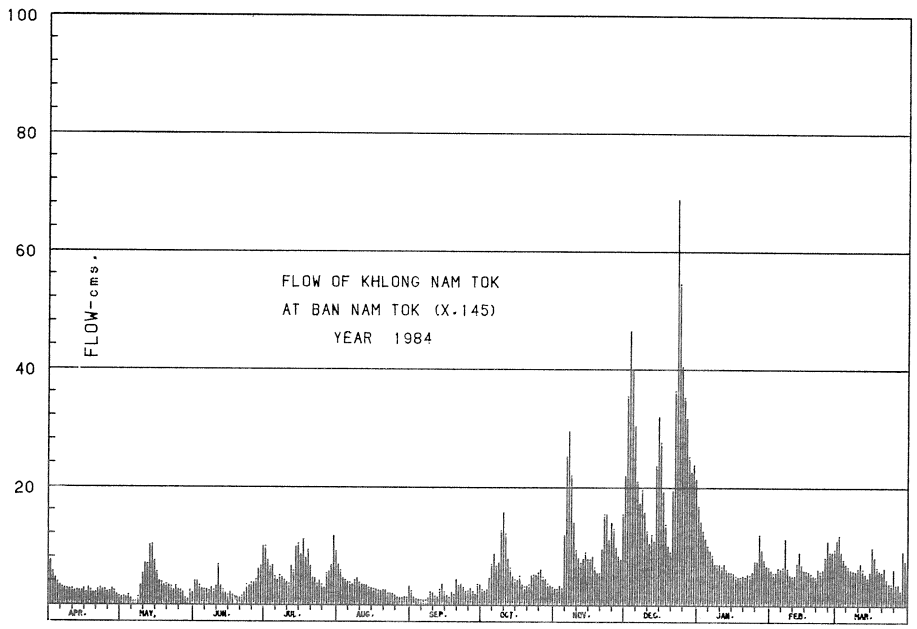
KHLONG NAM TOK AT BAN NAM TOK, PHATTHALUNG (X.145)

LOCATION	LAT. 7-30-34 N., LONG. 100-03-33 N., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE AT BAN NAM TOK, AMPHOE MUANG, PHATTHALUNG.
DRAINAGE AREA	238 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+11.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.078 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +13.61 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.60	11.77	12.25	12.80	12.54	12.00	12.04	12.06	13.54	13.25	12.45	12.87	
2	12.42	11.81	12.25	12.61	12.45	11.77	11.99	12.05	14.18	13.09	12.40	12.93	
3	12.31	11.76	12.15	12.50	12.31	11.70	12.03	12.14	14.65	12.98	12.41	12.72	
4	12.23	11.87	12.06	12.53	12.27	11.68	12.31	12.07	14.37	12.89	12.49	12.62	
5	12.16	11.72	12.04	12.34	12.24	11.66	12.55	12.93	13.95	12.80	12.47	12.55	
6	12.10	11.59	12.03	12.27	12.23	11.65	12.70	13.70	13.49	12.74	12.50	12.51	
7	12.08	11.59	12.00	12.36	12.19	11.66	12.52	13.91	13.28	12.68	12.89	12.46	
8	12.06	11.79	12.09	12.32	12.27	11.74	12.57	13.54	13.41	12.55	12.48	12.44	
9	12.05	12.15	12.02	12.27	12.31	11.97	12.99	13.08	13.19	12.54	12.37	12.43	
10	12.06	12.39	12.13	12.23	12.22	11.94	13.19	12.75	12.98	12.55	12.34	12.48	
11	12.00	12.56	12.54	12.20	12.18	11.82	12.95	12.64	12.83	12.51	12.36	12.56	
12	12.02	12.55	12.14	12.52	12.16	11.78	12.63	12.57	12.94	12.55	12.56	12.47	
13	12.01	12.81	12.03	12.44	12.16	12.04	12.49	12.63	12.86	12.46	12.72	12.39	
14	12.00	12.82	11.93	12.79	12.09	12.19	12.34	12.72	13.62	12.42	12.53	12.31	
15	12.07	12.60	11.87	12.83	12.08	11.97	12.28	12.63	14.02	12.41	12.45	12.42	
16	11.95	12.42	11.96	12.69	12.06	11.84	12.27	12.62	13.82	12.40	12.44	12.78	
17	12.09	12.25	11.87	12.88	12.04	11.77	12.35	12.66	13.39	12.35	12.43	12.65	
18	12.02	12.23	11.87	12.64	12.01	11.96	12.18	12.50	13.06	12.33	12.39	12.50	
19	11.94	12.16	11.82	12.75	12.00	11.90	12.12	12.40	12.80	12.33	12.35	12.44	
20	11.95	12.19	11.74	12.52	12.02	12.28	12.14	12.40	12.72	12.35	12.33	12.42	
21	12.04	12.15	11.83	12.31	12.02	12.15	12.18	12.76	13.40	12.33	12.47	12.49	
22	12.08	12.12	11.94	12.31	11.93	12.19	12.36	13.17	14.22	12.38	12.43	12.28	
23	12.03	12.02	12.18	12.20	11.93	12.09	12.37	13.17	15.45	12.36	12.46	12.21	
24	12.04	12.14	12.14	12.26	11.92	11.99	12.37	12.87	14.96	12.42	12.65	12.20	
25	11.97	12.03	12.22	12.18	11.85	12.00	12.41	13.08	14.40	12.59	12.86	12.47	
26	11.99	12.01	12.22	12.09	11.77	12.07	12.46	13.01	14.17	12.59	12.72	12.17	
27	12.06	11.96	12.28	12.40	11.75	11.98	12.33	12.78	14.01	12.94	12.72	12.19	
28	12.00	11.74	12.47	12.43	11.75	11.90	12.29	12.66	13.70	12.75	12.76	12.00	
29	11.89	11.68	12.52	12.53	11.79	12.19	12.20	12.62	13.57	12.61		12.73	
30	11.82	12.02	12.80	12.92	11.77	12.17	12.15	13.17	13.63	12.52		12.59	
31		11.94		12.73	12.13		12.11		13.51	12.50		12.38	
MEAN	12.07	12.09	12.11	12.48	12.08	11.94	12.38	12.78	13.68	12.59	12.52	12.47	
MAX	12.60	12.82	12.80	12.92	12.54	12.28	13.19	13.91	15.45	13.25	12.89	12.93	15.45
MIN	11.82	11.59	11.74	12.09	11.75	11.65	11.99	12.05	12.72	12.33	12.33	12.00	11.59

ANNUAL MAX MOMENTARY GAGE HEIGHT 14.22 M (MSL), AT 15.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 11.00 M (MSL), RIVER BED 11.28 M (MSL)
LEFT BANK ELEVATION 13.60 M (MSL)
RIGHT BANK ELEVATION 14.63 M (MSL), DRAINAGE AREA 238 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.50	1.28	4.05	10.00	6.84	2.40	2.64	2.76	22.00	16.75	5.90	10.98	
2	5.60	1.44	4.05	7.62	5.90	1.28	2.34	2.70	35.46	14.15	5.40	11.82	
3	4.59	1.24	3.30	6.40	4.59	1.00	2.58	3.24	46.55	12.52	5.50	8.96	
4	3.87	1.68	2.76	6.73	4.23	0.92	4.59	2.82	39.81	11.26	6.30	7.74	
5	3.36	1.08	2.64	4.86	3.96	0.84	6.95	11.82	30.40	10.00	6.10	6.95	
6	3.00	0.57	2.58	4.23	3.87	0.80	8.70	25.20	21.02	9.22	6.40	6.51	
7	2.88	0.57	2.40	5.04	3.54	0.84	6.62	29.52	17.26	8.46	11.26	6.00	
8	2.76	1.36	2.94	4.68	4.23	1.16	7.17	22.00	19.58	6.95	6.20	5.80	
9	2.70	3.30	2.52	4.23	4.59	2.22	12.66	14.00	15.74	6.84	5.13	5.70	
10	2.76	5.31	3.18	3.87	3.78	2.04	15.74	9.35	12.52	6.95	4.86	6.20	
11	2.40	7.06	6.84	3.60	3.48	1.48	12.10	7.98	10.42	6.51	5.04	7.06	
12	2.52	6.95	3.24	6.62	3.36	1.32	7.86	7.17	11.96	6.95	7.06	6.10	
13	2.46	10.14	2.58	5.80	3.36	2.64	6.30	7.86	10.84	6.00	8.96	5.31	
14	2.40	10.28	1.98	9.87	2.94	3.54	4.86	8.96	23.60	5.60	6.73	4.59	
15	2.82	7.50	1.68	10.42	2.88	2.22	4.32	7.86	31.94	5.50	5.90	5.60	
16	2.10	5.60	2.16	8.58	2.76	1.56	4.23	7.74	27.62	5.40	5.80	9.74	
17	2.94	4.05	1.68	11.12	2.64	1.28	4.95	8.22	19.22	4.95	5.70	8.10	
18	2.52	3.87	1.68	7.98	2.46	2.16	3.48	6.40	13.70	4.77	5.31	6.40	
19	2.04	3.36	1.48	9.35	2.40	1.80	3.12	5.40	10.00	4.77	4.95	5.80	
20	2.10	3.54	1.16	6.62	2.52	4.32	3.24	5.40	8.96	4.95	4.77	5.60	
21	2.64	3.30	1.52	4.59	2.52	3.30	3.48	9.48	19.40	4.77	6.10	6.30	
22	2.88	3.12	2.04	4.59	1.98	3.54	5.04	15.42	36.36	5.22	5.70	4.32	
23	2.58	2.52	3.48	3.60	1.98	2.94	5.13	15.42	68.90	5.04	6.00	3.69	
24	2.64	3.24	3.24	4.14	1.92	2.34	5.13	10.98	54.52	5.60	8.10	3.60	
25	2.22	2.58	3.78	3.48	1.60	2.40	5.50	14.00	40.50	7.39	10.84	6.10	
26	2.34	2.46	3.78	2.94	1.28	2.82	6.00	12.95	35.24	7.39	8.96	3.42	
27	2.76	2.16	4.32	5.40	1.20	2.28	4.77	9.74	31.72	11.96	8.96	3.54	
28	2.40	1.16	6.10	5.70	1.20	1.80	4.41	8.22	25.20	9.35	9.48	2.40	
29	1.76	0.92	6.62	6.73	1.36	3.54	3.60	7.74	22.60	7.62		9.09	
30	1.48	2.52	10.00	11.68	1.28	3.42	3.30	15.42	23.80	6.62		7.39	
31		2.04		9.09	3.18		3.06		21.40	6.40		5.22	
TOTAL	87.02	106.20	99.78	199.56	93.83	64.20	173.87	315.77	808.24	235.86	187.41	196.03	2567.77 CMSDAY
MEAN	2.90	3.43	3.33	6.44	3.03	2.14	5.61	10.53	26.07	7.61	6.69	6.32	7.03 CMS
MAX	7.50	10.28	10.00	11.68	6.84	4.32	15.74	29.52	68.90	16.75	11.26	11.82	68.90 CMS
MIN	1.48	0.57	1.16	2.94	1.20	0.80	2.34	2.70	8.96	4.77	4.77	2.40	0.57 CMS
RUNOFF	7.519	9.176	8.621	17.242	8.107	5.547	15.022	27.283	69.832	20.378	16.192	16.937	221.855 MCM

MOMENTARY PEAK 36.36 CMS, AT 14.22 M (MSL), AT 15.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 29.56 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 152.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

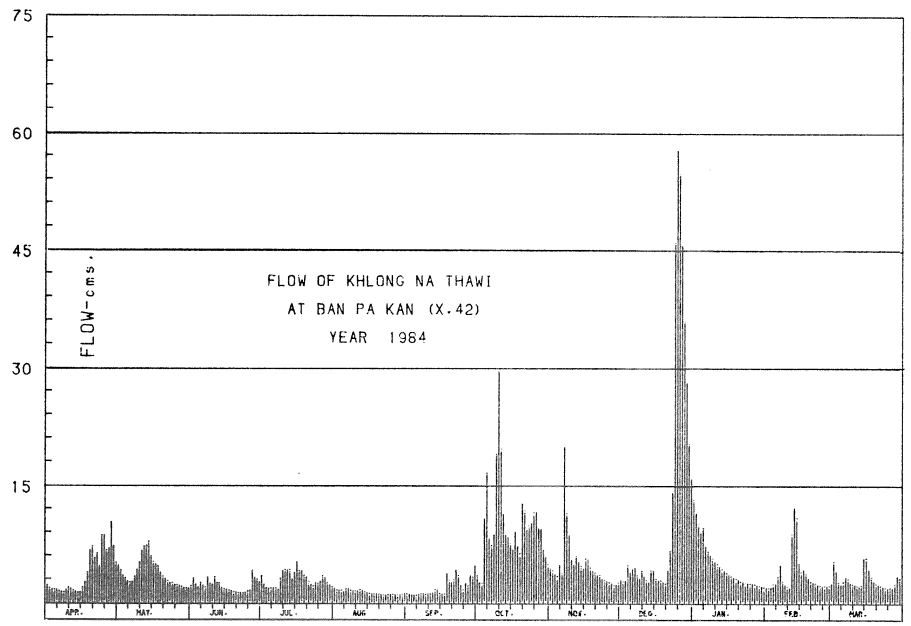
KHLONG NA THAWI AT BAN PA KAN, SONGKHLA (X.42)

LOCATION	LAT. 6-41-13 N., LONG. 100-41-21 E., ON LEFT BANK AT BAN PA KAN, TAMBON THA PRADU, AMPHOE NA THAWI, SONGKHLA.
DRAINAGE AREA	443 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 7 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.013 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1977
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1977
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +5.76 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 129 DISCHARGE MEASUREMENTS MADE IN 1977.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.06	1.59	1.04	1.33	0.96	0.74	1.34	1.52	1.22	2.76	0.99	1.11	
2	0.96	1.47	1.28	1.09	0.90	0.69	1.15	1.46	1.18	2.54	0.97	1.69	
3	0.91	1.34	1.08	0.97	0.89	0.65	1.13	1.37	1.20	2.38	0.98	1.44	
4	0.91	1.27	1.00	0.96	0.89	0.64	2.46	1.32	1.60	2.23	1.10	1.16	
5	0.90	1.19	1.14	0.97	0.82	0.65	3.13	1.60	1.41	2.31	1.11	1.07	
6	0.85	1.16	1.06	0.98	0.95	0.69	2.14	1.40	1.50	2.00	1.31	1.17	
7	0.82	1.17	1.00	0.97	0.96	0.76	2.02	3.45	1.53	1.91	1.60	1.29	
8	0.81	1.31	1.30	0.91	0.89	0.73	2.20	2.54	1.35	1.83	1.19	1.25	
9	0.89	1.48	1.11	1.27	0.87	0.70	3.37	2.19	1.26	1.76	1.07	1.13	
10	0.99	1.67	1.09	1.46	0.87	0.72	4.31	1.78	1.46	1.69	1.02	1.10	
11	0.94	1.92	1.30	1.49	0.86	0.74	3.43	1.61	1.32	1.63	0.97	1.07	
12	0.88	2.00	1.15	1.48	0.92	0.79	2.53	1.81	1.22	1.56	2.21	1.04	
13	0.83	2.02	1.14	1.49	0.88	0.92	2.25	1.68	1.15	1.50	2.63	1.01	
14	0.80	2.09	0.98	1.25	0.84	0.90	2.16	1.58	1.47	1.46	2.47	1.06	
15	0.81	1.81	0.94	1.41	0.80	0.77	2.06	1.51	1.46	1.40	1.65	1.76	
16	0.99	1.68	0.91	1.68	0.76	0.72	1.94	1.76	1.25	1.36	1.43	1.77	
17	1.16	1.63	0.89	1.46	0.73	0.73	2.30	1.74	1.21	1.32	1.48	1.48	
18	1.41	1.58	0.86	1.46	0.73	1.39	2.00	1.54	1.21	1.29	1.38	1.30	
19	1.93	1.42	0.83	1.34	0.72	1.22	1.87	1.46	1.16	1.26	1.27	1.18	
20	2.00	1.31	0.82	1.30	0.70	1.15	2.70	1.41	1.12	1.23	1.17	1.11	
21	1.77	1.26	0.80	1.18	0.68	1.24	2.58	1.35	1.47	1.18	1.15	1.07	
22	1.87	1.20	0.79	1.09	0.66	1.48	2.27	1.35	1.92	1.16	1.12	1.04	
23	1.58	1.14	0.79	1.04	0.64	1.34	2.35	1.25	2.87	1.13	1.07	1.01	
24	2.19	1.14	0.80	1.14	0.68	1.06	2.39	1.22	5.58	1.13	1.05	0.98	
25	2.19	1.09	0.86	1.12	0.68	0.90	2.56	1.19	6.45	1.12	1.03	0.96	
26	1.93	1.07	0.88	1.19	0.70	1.12	2.56	1.16	6.24	1.11	1.04	0.98	
27	1.97	1.05	1.47	1.34	0.68	1.05	2.35	1.12	5.55	1.09	1.03	0.96	
28	2.40	1.02	1.29	1.29	0.67	1.34	2.29	1.06	4.81	1.07	1.05	1.10	
29	2.01	0.98	1.24	1.14	0.66	1.30	1.98	1.08	4.19	1.04		1.32	
30	1.66	0.97	1.17	1.07	0.69	1.59	1.79	1.14	3.49	1.02		1.26	
31		0.96		1.01	0.75		1.62		3.05	1.00		1.07	
MEAN	1.35	1.39	1.03	1.22	0.79	0.96	2.30	1.56	2.32	1.53	1.30	1.19	
MAX	2.40	2.09	1.47	1.68	0.96	1.59	4.31	3.45	6.45	2.76	2.63	1.77	6.45
MIN	0.80	0.96	0.79	0.91	0.64	0.64	1.13	1.06	1.12	1.00	0.97	0.96	0.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.48 M (A.D), AT 12.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 6.20 M (A.D)
LEFT BANK ELEVATION 6.89 M (A.D)
RIGHT BANK ELEVATION 5.75 M (A.D), DRAINAGE AREA 443 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.34	4.85	2.26	3.55	1.96	1.28	3.60	4.50	3.00	13.28	2.07	2.54	
2	1.96	4.25	3.30	2.46	1.75	1.18	2.70	4.20	2.82	11.52	2.00	5.35	
3	1.79	3.60	2.42	2.00	1.71	1.10	2.62	3.75	2.90	10.24	2.03	4.10	
4	1.79	3.25	2.10	1.96	1.71	1.08	10.88	3.50	4.90	9.04	2.50	2.74	
5	1.75	2.86	2.66	2.00	1.47	1.10	16.70	4.90	3.95	9.68	2.54	2.38	
6	1.58	2.74	2.34	2.03	1.92	1.18	8.32	3.90	4.40	7.30	3.45	2.78	
7	1.47	2.78	2.10	2.00	1.96	1.32	7.44	19.95	4.55	6.67	4.90	3.35	
8	1.43	3.45	3.40	1.79	1.71	1.26	8.80	11.52	3.65	6.18	2.86	3.15	
9	1.71	4.30	2.54	3.25	1.65	1.20	19.10	8.72	3.20	5.76	2.38	2.62	
10	2.07	5.25	2.46	4.20	1.65	1.24	29.62	5.88	4.20	5.35	2.18	2.50	
11	1.89	6.74	3.40	4.35	1.61	1.28	19.73	4.95	3.50	5.05	2.00	2.38	
12	1.68	7.30	2.70	4.30	1.82	1.38	11.44	6.06	3.00	4.70	8.88	2.26	
13	1.50	7.44	2.66	4.35	1.68	1.82	9.20	5.30	2.70	4.40	12.24	2.14	
14	1.40	7.93	2.03	3.15	1.54	1.75	8.48	4.80	4.25	4.20	10.96	2.34	
15	1.43	6.06	1.89	3.95	1.40	1.34	7.72	4.45	4.20	3.90	5.15	5.76	
16	2.07	5.30	1.79	5.30	1.32	1.24	6.88	5.76	3.15	3.70	4.05	5.82	
17	2.74	5.05	1.71	4.20	1.26	1.26	9.60	5.64	2.95	3.50	4.30	4.30	
18	3.95	4.80	1.61	4.20	1.26	3.85	7.30	4.60	2.95	3.35	3.80	3.40	
19	6.81	4.00	1.50	3.60	1.24	3.00	6.42	4.20	2.74	3.20	3.25	2.82	
20	7.30	3.45	1.47	3.40	1.20	2.70	12.80	3.95	2.58	3.05	2.78	2.54	
21	5.82	3.20	1.40	2.82	1.16	3.10	11.84	3.65	4.25	2.82	2.70	2.38	
22	6.42	2.90	1.38	2.46	1.12	4.30	9.36	3.65	6.74	2.74	2.58	2.26	
23	4.80	2.66	1.38	2.26	1.08	3.60	10.00	3.15	14.16	2.62	2.38	2.14	
24	8.72	2.66	1.40	2.66	1.16	2.34	10.32	3.00	46.04	2.62	2.30	2.03	
25	8.72	2.46	1.61	2.58	1.16	1.75	11.68	2.86	57.80	2.58	2.22	1.96	
26	6.81	2.38	1.68	2.86	1.20	2.58	11.68	2.74	54.86	2.54	2.26	2.03	
27	7.09	2.30	4.25	3.60	1.16	2.30	10.00	2.58	45.65	2.46	2.22	1.96	
28	10.40	2.18	3.35	3.35	1.14	3.60	9.52	2.34	36.03	2.38	2.30	2.50	
29	7.37	2.03	3.10	2.66	1.12	3.40	7.16	2.42	28.18	2.26		3.50	
30	5.20	2.00	2.78	2.38	1.18	4.85	5.94	2.66	20.39	2.18		3.20	
31		1.96		2.14	1.30		5.00		15.90	2.10		2.38	
TOTAL	120.01	122.13	68.67	95.81	44.60	63.38	311.85	149.58	399.59	151.37	103.28	91.61	1721.88 CMSDAY
MEAN	4.00	3.94	2.29	3.09	1.44	2.11	10.06	4.99	12.89	4.88	3.69	2.96	4.72 CMS
MAX	10.40	7.93	4.25	5.30	1.96	4.85	29.62	19.95	57.80	13.28	12.24	5.82	57.80 CMS
MIN	1.40	1.96	1.38	1.79	1.08	1.08	2.62	2.34	2.58	2.10	2.00	1.96	1.08 CMS
RUNOFF	10.369	10.552	5.933	8.278	3.853	5.476	26.944	12.924	34.525	13.078	8.923	7.915	148.770 MCM

MOMENTARY PEAK 58.22 CMS, AT 6.48 M (A.D), AT 12.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 10.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 131.42 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

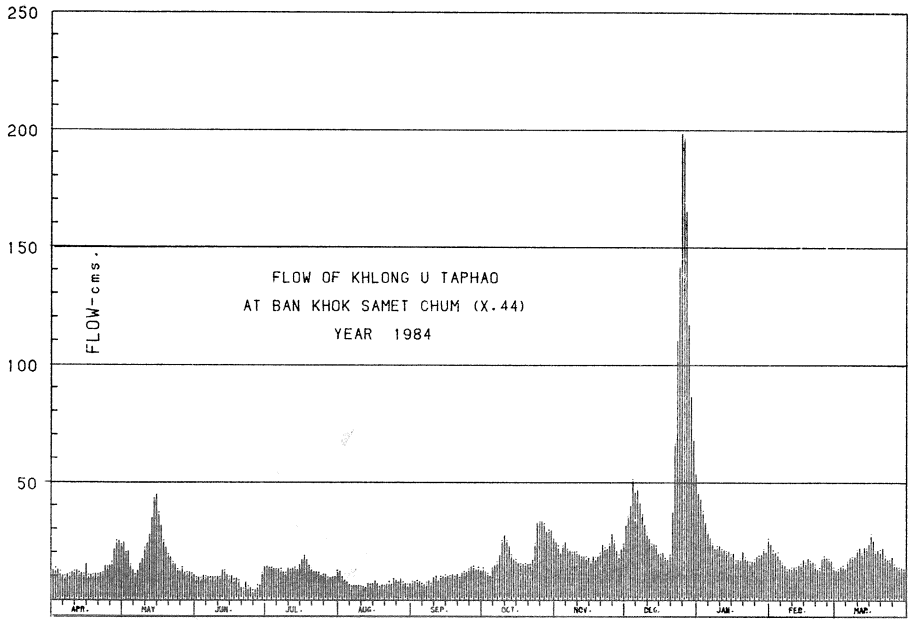
KHLONG U TAPHAO AT BAN KHOK SAMET CHUM, SONGKHLA (X.44)

LOCATION	LAT. 7-00-02 N., LONG. 100-27-32 E., ON LEFT BANK AT THE BRIDGE OF HAT YAI-RATTAPHUM HIGHWAY, BAN KHOK SAMET CHUM, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,740 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.983 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 200 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+6.937 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.01	1.45	0.89	1.07	0.99	0.80	1.05	1.45	1.69	2.17	1.42	1.00	
2	1.05	1.30	0.88	1.06	0.89	0.80	0.99	1.40	1.83	2.06	1.33	1.03	
3	1.02	1.31	0.88	1.06	0.82	0.82	0.96	1.28	1.97	1.90	1.29	1.07	
4	1.00	1.11	0.92	1.04	0.78	0.80	0.91	1.40	2.33	1.73	1.30	1.09	
5	0.92	1.01	0.91	1.03	0.73	0.76	1.05	1.45	2.16	1.61	1.18	1.03	
6	0.92	0.94	0.90	1.03	0.70	0.73	1.09	1.35	2.23	1.51	1.14	1.16	
7	0.94	1.00	0.89	1.04	0.71	0.78	1.15	1.32	2.01	1.44	1.09	1.21	
8	0.95	1.12	0.90	0.98	0.71	0.81	1.25	1.30	1.85	1.35	1.03	1.23	
9	0.98	1.19	0.89	0.97	0.71	0.76	1.48	1.32	1.70	1.39	1.03	1.23	
10	1.00	1.37	0.90	1.04	0.70	0.88	1.55	1.31	1.59	1.39	1.06	1.34	
11	1.01	1.43	0.90	1.02	0.69	0.91	1.48	1.26	1.50	1.35	1.06	1.36	
12	0.98	1.56	1.01	1.04	0.67	0.81	1.39	1.23	1.43	1.33	1.06	1.29	
13	0.96	1.80	1.01	1.06	0.75	0.91	1.26	1.23	1.42	1.32	1.09	1.37	
14	0.95	2.08	0.93	1.02	0.74	0.90	1.18	1.23	1.40	1.31	1.12	1.36	
15	1.11	2.13	0.90	1.10	0.75	0.93	1.19	1.21	1.27	1.27	1.18	1.42	
16	0.93	1.88	0.91	1.18	0.80	0.91	1.12	1.16	1.27	1.28	1.14	1.58	
17	0.93	1.69	0.85	1.25	0.75	0.92	1.12	1.23	1.29	1.17	1.20	1.47	
18	0.94	1.48	0.87	1.18	0.69	0.94	1.11	1.22	1.21	1.18	1.17	1.32	
19	0.95	1.37	0.83	1.09	0.72	0.91	1.12	1.23	1.18	1.21	1.14	1.33	
20	0.94	1.27	0.66	1.01	0.71	0.94	1.11	1.29	1.26	1.30	1.11	1.34	
21	0.96	1.22	0.65	0.98	0.74	0.89	1.11	1.41	1.88	1.22	1.02	1.36	
22	0.97	1.15	0.78	0.98	0.80	0.96	1.18	1.37	2.76	1.17	1.05	1.25	
23	1.08	1.11	0.70	0.97	0.74	0.99	1.44	1.35	3.83	1.15	1.19	1.18	
24	1.07	1.03	0.66	0.92	0.86	0.98	1.73	1.43	4.48	1.15	1.24	1.18	
25	1.09	0.99	0.62	0.94	0.82	1.03	1.75	1.57	5.43	1.19	1.21	1.22	
26	1.15	1.06	0.61	0.94	0.78	1.07	1.75	1.47	5.40	1.23	1.20	1.11	
27	1.34	0.97	0.73	0.89	0.85	1.08	1.72	1.32	4.89	1.25	1.16	1.07	
28	1.48	0.98	0.72	0.88	0.79	1.02	1.60	1.26	4.00	1.26	1.06	1.06	
29	1.47	0.98	0.97	0.89	0.75	1.06	1.63	1.34	3.27	1.35		1.05	
30	1.42	0.96	1.06	0.90	0.74	1.00	1.62	1.43	2.82	1.30		1.03	
31		0.93		1.01	0.75		1.50		2.39	1.51		1.05	
MEAN	1.05	1.29	0.84	1.02	0.76	0.90	1.31	1.33	2.38	1.39	1.15	1.22	
MAX	1.48	2.13	1.06	1.25	0.99	1.08	1.75	1.57	5.43	2.17	1.42	1.58	5.43
MIN	0.92	0.93	0.61	0.88	0.67	0.73	0.91	1.16	1.18	1.15	1.02	1.00	0.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.49 M (A.D), AT 18.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 6.38 M (A.D)
RIGHT BANK ELEVATION 7.64 M (A.D), DRAINAGE AREA 1740 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.75	24.60	9.80	14.25	12.25	8.00	13.75	24.60	31.70	46.10	23.76	12.50	
2	13.75	20.40	9.60	14.00	9.80	8.00	12.25	23.20	35.90	42.80	21.24	13.25	
3	13.00	20.68	9.60	14.00	8.40	8.40	11.50	19.86	40.10	38.00	20.13	14.25	
4	12.50	15.27	10.50	13.50	7.60	8.00	10.25	23.20	51.55	32.90	20.40	14.75	
5	10.50	12.75	10.25	13.25	6.60	7.20	13.75	24.60	45.80	29.30	17.16	13.25	
6	10.50	11.00	10.00	13.25	6.00	6.60	14.75	21.80	48.05	26.30	16.08	16.62	
7	11.00	12.50	9.80	13.50	6.20	7.60	16.35	20.96	41.30	24.32	14.75	17.97	
8	11.25	15.54	10.00	12.00	6.20	8.20	19.05	20.40	36.50	21.80	13.25	18.51	
9	12.00	17.43	9.80	11.75	6.20	7.20	25.44	20.96	32.00	22.92	13.25	18.51	
10	12.50	22.36	10.00	13.50	6.00	9.60	27.50	20.68	28.70	22.92	14.00	21.52	
11	12.75	24.04	10.00	13.00	5.80	10.25	25.44	19.32	26.00	21.80	14.00	22.08	
12	12.00	27.80	12.75	13.50	5.40	8.20	22.92	18.51	24.04	21.24	14.00	20.13	
13	11.50	35.00	12.75	14.00	7.00	10.25	19.32	18.51	23.76	20.96	14.75	22.36	
14	11.25	43.40	10.75	13.00	6.80	10.00	17.16	18.51	23.20	20.68	15.54	22.08	
15	15.27	44.90	10.00	15.00	7.00	10.75	17.43	17.97	19.59	19.59	17.16	23.76	
16	10.75	37.40	10.25	17.16	8.00	10.25	15.54	16.62	19.59	19.86	16.08	28.40	
17	10.75	31.70	9.00	19.05	7.00	10.50	15.54	18.51	20.13	16.89	17.70	25.16	
18	11.00	25.44	9.40	17.16	5.80	11.00	15.27	18.24	17.97	17.16	16.89	20.96	
19	11.25	22.36	8.60	14.75	6.40	10.25	15.54	18.51	17.16	17.97	16.08	21.24	
20	11.00	19.59	5.20	12.75	6.20	11.00	15.27	20.13	19.32	20.40	15.27	21.52	
21	11.50	18.24	5.00	12.00	6.80	9.80	15.27	23.48	37.40	18.24	13.00	22.08	
22	11.75	16.35	7.60	12.00	8.00	11.50	17.16	22.36	66.60	16.89	13.75	19.05	
23	14.50	15.27	6.00	11.75	6.80	12.25	24.32	21.80	110.35	16.35	17.43	17.16	
24	14.25	13.25	5.20	10.50	9.20	12.00	32.90	24.04	142.40	16.35	18.78	17.16	
25	14.75	12.25	4.40	11.00	8.40	13.25	33.50	28.10	198.45	17.43	17.97	18.24	
26	16.35	14.00	4.20	11.00	7.60	14.25	33.50	25.16	196.50	18.51	17.70	15.27	
27	21.52	11.75	6.60	9.80	9.00	14.50	32.60	20.96	165.40	19.05	16.62	14.25	
28	25.44	12.00	6.40	9.60	7.80	13.00	29.00	19.32	118.00	19.32	14.00	14.00	
29	25.16	12.00	11.75	9.80	7.00	14.00	29.90	21.52	86.40	21.80		13.75	
30	23.76	11.50	14.00	10.00	6.80	12.50	29.60	24.04	68.76	20.40		13.25	
31		10.75		12.75	7.00		26.00		53.65	26.30		13.75	
TOTAL	416.25	631.52	269.20	402.57	225.05	308.30	647.77	635.87	1846.27	714.55	460.74	566.78	7124.87 CMSDAY
MEAN	13.88	20.37	8.97	12.99	7.26	10.28	20.90	21.20	59.56	23.05	16.45	18.28	19.52 CMS
MAX	25.44	44.90	14.00	19.05	12.25	14.50	33.50	28.10	198.45	46.10	23.76	28.40	198.45 CMS
MIN	10.50	10.75	4.20	9.60	5.40	6.60	10.25	16.62	17.16	16.35	13.00	12.50	4.20 CMS
RUNOFF	35.964	54.563	23.259	34.782	19.444	26.637	55.967	54.939	159.518	61.737	39.808	48.970	615.589 MCM

MOMENTARY PEAK 202.35 CMS, AT 5.49 M (A.D), AT 18.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 11.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 116.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

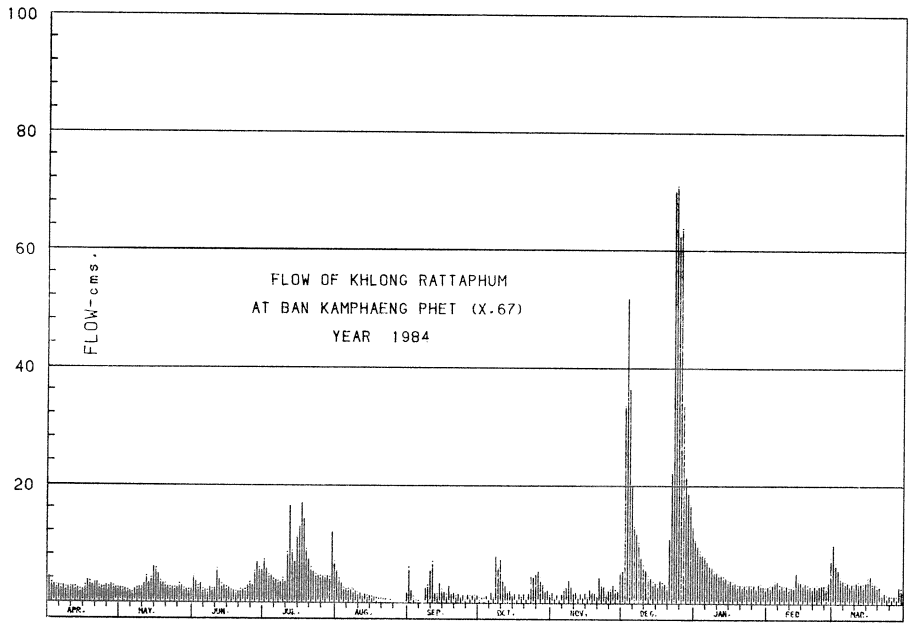
KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION	LAT. 7-08-35 N., LONG. 100-17-20 E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	272 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+16.00 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK UNDER THE SANTOL TREE.
ELEVATION	+20.413 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1970, 1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1970, 1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +20.66 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. FLOW REGULATED BY RATTAPHUM WEIR FOR IRRIGATION ABOUT 10,688 HECTARES. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.35	17.13	17.39	17.64	17.46	17.53	16.89	17.02	17.46	17.95	17.17	17.86	
2	17.24	17.12	17.27	17.49	17.33	17.07	16.88	16.99	19.27	17.84	17.20	17.60	
3	17.20	17.10	17.18	17.40	17.24	16.93	16.88	16.96	20.11	17.78	17.20	17.48	
4	17.20	17.08	17.23	17.38	17.14	16.82	16.92	16.94	19.43	17.71	17.30	17.37	
5	17.19	17.04	17.11	17.32	17.11	16.79	16.94	16.97	18.54	17.73	17.28	17.30	
6	17.17	17.02	17.08	17.30	17.12	16.76	17.02	17.18	18.10	17.61	17.21	17.28	
7	17.17	17.09	17.07	17.28	17.08	16.76	16.99	17.15	18.00	17.58	17.20	17.26	
8	17.14	17.13	17.14	17.26	17.10	17.13	17.70	17.37	17.89	17.52	17.18	17.24	
9	17.14	17.14	17.11	17.34	17.06	17.21	17.55	17.16	17.67	17.48	17.18	17.23	
10	17.16	17.14	17.12	17.26	17.04	17.46	17.64	17.07	17.56	17.44	17.15	17.23	
11	17.15	17.22	17.50	17.75	17.00	17.62	17.35	17.03	17.47	17.42	17.15	17.26	
12	17.15	17.37	17.31	18.33	16.99	16.99	17.19	16.99	17.39	17.39	17.19	17.28	
13	17.11	17.24	17.23	17.77	16.97	17.00	17.13	16.99	17.34	17.37	17.43	17.24	
14	17.09	17.34	17.19	17.60	16.95	17.24	17.06	17.01	17.28	17.34	17.32	17.24	
15	17.08	17.52	17.16	17.97	16.93	17.11	17.03	17.01	17.25	17.31	17.26	17.26	
16	17.19	17.50	17.13	18.09	16.92	17.03	16.99	16.99	17.24	17.30	17.25	17.35	
17	17.29	17.41	17.08	18.38	16.89	16.99	16.98	17.09	17.30	17.29	17.24	17.38	
18	17.27	17.28	17.06	18.18	16.88	17.18	16.99	17.10	17.26	17.25	17.21	17.28	
19	17.19	17.24	17.05	17.80	16.86	17.04	16.98	17.00	17.23	17.21	17.18	17.24	
20	17.24	17.23	17.03	17.64	16.86	17.01	16.98	17.04	17.17	17.22	17.18	17.21	
21	17.25	17.16	17.10	17.52	16.85	17.03	16.96	17.35	17.93	17.21	17.19	17.17	
22	17.17	17.15	17.08	17.45	16.84	16.98	17.00	17.24	18.69	17.20	17.21	17.05	
23	17.15	17.14	17.10	17.41	16.83	16.96	17.44	17.17	20.89	17.20	17.18	17.02	
24	17.14	17.14	17.18	17.38	16.82	16.95	17.36	17.05	20.93	17.21	17.27	16.97	
25	17.19	17.13	17.26	17.38	16.80	16.91	17.47	17.07	20.57	17.21	17.20	16.95	
26	17.16	17.23	17.19	17.37	16.80	16.96	17.46	17.12	20.63	17.20	17.20	16.94	
27	17.21	17.18	17.45	17.38	16.80	16.95	17.36	17.20	19.27	17.20	17.26	16.94	
28	17.18	17.12	17.60	17.38	16.79	16.94	17.22	17.10	18.65	17.22	17.68	16.94	
29	17.13	17.09	17.51	17.36	16.76	16.96	17.14	17.05	18.46	17.24		17.16	
30	17.13	17.09	17.47	18.02	16.71	16.94	17.08	17.48	18.38	17.17		17.14	
31		17.09		17.62	17.01		17.04		18.09	17.15		17.07	
MEAN	17.18	17.19	17.21	17.60	16.97	17.04	17.15	17.10	18.37	17.39	17.24	17.22	
MAX	17.35	17.52	17.60	18.38	17.46	17.62	17.70	17.48	20.93	17.95	17.68	17.86	20.93
MIN	17.08	17.02	17.03	17.26	16.71	16.76	16.88	16.94	17.17	17.15	17.15	16.94	16.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.96 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 16.00 M (MSL), RIVER BED 16.59 M (MSL)
LEFT BANK ELEVATION 20.65 M (MSL)
RIGHT BANK ELEVATION 21.53 M (MSL), DRAINAGE AREA 272 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.33	2.51	4.70	7.34	5.43	6.17	0.94	1.74	5.43	11.10	2.79	9.93	
2	3.34	2.44	3.60	5.74	4.14	2.09	0.89	1.54	33.60	9.67	3.00	6.90	
3	3.00	2.30	2.86	4.80	3.34	1.18	0.89	1.36	51.83	8.92	3.00	5.64	
4	3.00	2.16	3.25	4.61	2.58	0.56	1.12	1.24	36.83	8.12	3.85	4.52	
5	2.93	1.88	2.37	4.04	2.37	0.41	1.24	1.42	19.98	8.34	3.68	3.85	
6	2.79	1.74	2.16	3.85	2.44	0.27	1.74	2.86	13.10	7.01	3.09	3.68	
7	2.79	2.23	2.09	3.68	2.16	0.27	1.54	2.65	11.75	6.69	3.00	3.51	
8	2.58	2.51	2.58	3.51	2.30	2.51	8.00	4.52	10.32	6.06	2.86	3.34	
9	2.58	2.58	2.37	4.23	2.02	3.09	6.37	2.72	7.67	5.64	2.86	3.25	
10	2.72	2.58	2.44	3.51	1.88	5.43	7.34	2.09	6.48	5.22	2.65	3.25	
11	2.65	3.17	5.85	8.57	1.60	7.12	4.33	1.81	5.53	5.01	2.65	3.51	
12	2.65	4.52	3.95	16.48	1.54	1.54	2.93	1.54	4.70	4.70	2.93	3.68	
13	2.37	3.34	3.25	8.81	1.42	1.60	2.51	1.54	4.23	4.52	5.12	3.34	
14	2.23	4.23	2.93	6.90	1.30	3.34	2.02	1.67	3.68	4.23	4.04	3.34	
15	2.16	6.06	2.72	11.36	1.18	2.37	1.81	1.67	3.43	3.95	3.51	3.51	
16	2.93	5.85	2.51	12.96	1.12	1.81	1.54	1.54	3.34	3.85	3.43	4.33	
17	3.77	4.91	2.16	17.28	0.94	1.54	1.48	2.23	3.85	3.77	3.34	4.61	
18	3.60	3.68	2.02	14.22	0.89	2.86	1.54	2.30	3.51	3.43	3.09	3.68	
19	2.93	3.34	1.95	9.15	0.78	1.88	1.48	1.60	3.25	3.09	2.86	3.34	
20	3.34	3.25	1.81	7.34	0.78	1.67	1.48	1.88	2.79	3.17	2.86	3.09	
21	3.43	2.72	2.30	6.06	0.73	1.81	1.36	4.33	10.84	3.09	2.93	2.79	
22	2.79	2.65	2.16	5.33	0.67	1.48	1.60	3.34	22.57	3.00	3.09	1.95	
23	2.65	2.58	2.30	4.91	0.62	1.36	5.22	2.79	70.06	3.00	2.86	1.74	
24	2.58	2.58	2.86	4.61	0.56	1.30	4.42	1.95	71.04	3.09	3.60	1.42	
25	2.93	2.51	3.51	4.61	0.45	1.06	5.53	2.09	62.41	3.09	3.00	1.30	
26	2.72	3.25	2.93	4.52	0.45	1.36	5.43	2.44	63.82	3.00	3.00	1.24	
27	3.09	2.86	5.33	4.61	0.45	1.30	4.42	3.00	33.60	3.00	3.51	1.24	
28	2.86	2.44	6.90	4.61	0.41	1.24	3.17	2.30	21.87	3.17	7.78	1.24	
29	2.51	2.23	5.96	4.42	0.27	1.36	2.58	1.95	18.62	3.34		2.72	
30	2.51	2.23	5.53	12.02	0.04	1.24	2.16	5.64	17.28	2.79		2.58	
31		2.23		7.12	1.67		1.88		12.96	2.65		2.09	
TOTAL	86.76	93.56	97.35	221.20	46.53	61.22	88.96	69.75	640.37	149.71	94.38	104.61	1754.40 CMSDAY
MEAN	2.89	3.02	3.25	7.14	1.50	2.04	2.87	2.33	20.66	4.83	3.37	3.37	4.81 CMS
MAX	4.33	6.06	6.90	17.28	5.43	7.12	8.00	5.64	71.04	11.10	7.78	9.93	71.04 CMS
MIN	2.16	1.74	1.81	3.51	0.04	0.27	0.89	1.24	2.79	2.65	2.65	1.24	0.04 CMS
RUNOFF	7.496	8.084	8.411	19.112	4.020	5.289	7.686	6.026	55.328	12.935	8.154	9.038	151.580 MCM

MOMENTARY PEAK 71.77 CMS, AT 20.96 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 17.67 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 263.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

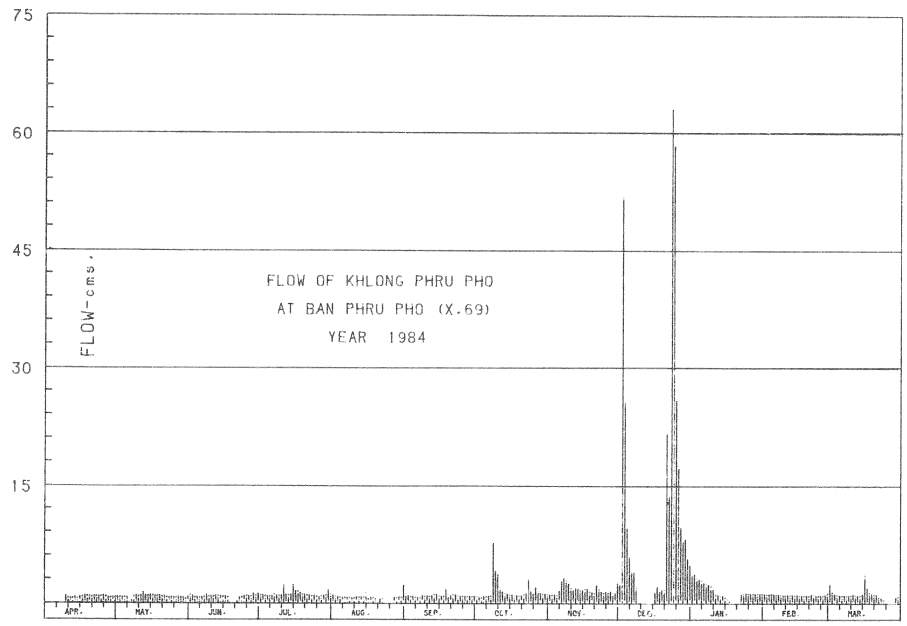
KHLONG PHRU PHO AT BAN PHRU PHO, SONGKHLA (X.69)

LOCATION	LAT. 7-11-25 N., LONG. 100-13-26 E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PHRU PHO, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+24.92 M. (M.S.L..)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER' HOUSE.
ELEVATION	+28.248 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00,15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1980, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1980, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +28.23 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 6 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	25.37	25.90	25.95	25.95	25.94	25.97	25.92	25.95	26.10	26.25	25.96	26.11	
2	25.33	25.90	25.92	25.94	25.92	25.93	25.89	25.95	28.27	26.23	25.96	26.00	
3	25.29	25.89	25.90	25.93	25.91	25.92	25.89	25.95	27.37	26.19	25.96	25.96	
4	25.28	25.90	25.90	25.92	25.90	25.91	25.92	25.94	26.64	26.17	25.97	25.95	
5	25.26	25.89	25.89	25.92	25.89	25.90	25.91	26.02	26.40	26.16	25.96	25.93	
6	25.21	25.71	25.89	25.92	25.89	25.89	25.92	26.19	26.28	26.13	25.95	25.93	
7	25.21	25.80	25.91	25.96	25.89	25.89	25.93	26.19	26.25	26.12	25.95	25.93	
8	25.68	25.91	25.95	25.93	25.89	25.93	26.51	26.16	26.07	26.11	25.95	25.93	
9	25.92	25.93	25.92	25.94	25.89	25.92	26.29	26.12	25.78	26.09	25.94	25.93	
10	25.88	25.92	25.92	25.94	25.88	25.93	26.23	26.06	25.72	26.04	25.94	25.94	
11	25.87	25.93	25.92	26.10	25.90	25.92	26.07	26.03	25.67	25.96	25.94	25.95	
12	25.87	26.00	25.93	25.95	25.90	25.93	26.01	26.10	25.74	25.94	25.94	25.95	
13	25.89	25.93	25.93	25.95	25.90	25.96	25.98	26.05	25.67	25.93	25.94	25.93	
14	25.86	25.93	25.92	25.95	25.90	25.96	25.97	26.03	25.63	25.92	25.94	25.93	
15	25.90	25.94	25.91	26.11	25.90	25.93	25.95	26.03	25.75	25.89	25.94	25.96	
16	25.91	25.94	25.91	26.02	25.85	25.92	25.95	26.05	26.04	25.84	25.93	26.22	
17	25.93	25.93	25.90	26.02	25.88	25.92	25.94	26.05	26.08	25.77	25.93	26.06	
18	25.93	25.93	25.79	25.99	25.89	26.04	25.93	26.01	26.05	25.56	25.93	25.99	
19	25.92	25.93	25.72	25.97	25.85	25.96	25.93	26.00	26.03	25.52	25.93	25.97	
20	25.91	25.92	25.67	25.95	25.65	25.93	25.93	25.99	26.04	25.49	25.93	25.95	
21	25.92	25.92	25.86	25.95	25.84	25.96	25.96	26.10	27.21	25.46	25.95	25.95	
22	25.92	25.90	25.89	25.94	25.85	25.95	25.98	26.05	26.86	25.95	25.95	25.89	
23	25.91	25.88	25.90	25.93	25.65	25.93	26.20	26.01	28.61	25.98	25.93	25.87	
24	25.92	25.90	25.92	25.93	25.63	25.92	26.01	25.99	28.48	25.98	25.93	25.82	
25	25.93	25.89	25.93	25.92	25.64	25.92	26.04	26.01	27.38	25.98	25.93	25.77	
26	25.92	25.89	25.92	25.90	25.67	25.92	26.07	25.99	27.03	25.97	25.93	25.75	
27	25.89	25.90	25.92	25.92	25.89	25.92	26.02	26.01	26.63	25.97	25.94	25.74	
28	25.89	25.89	25.97	25.93	25.89	25.92	25.99	25.99	26.54	25.97	25.98	25.70	
29	25.89	25.89	25.94	25.95	25.90	25.92	25.97	25.98	26.54	25.97		25.88	
30	25.90	25.86	25.97	26.03	25.90	25.92	25.97	26.15	26.41	25.97		25.91	
31		25.90		25.96	26.10		25.97		26.32	25.97		25.90	
MEAN	25.75	25.90	25.90	25.96	25.86	25.93	26.01	26.04	26.50	25.95	25.94	25.93	
MAX	25.93	26.00	25.97	26.11	26.10	26.04	26.51	26.19	28.61	26.25	25.98	26.22	28.61
MIN	25.21	25.71	25.67	25.90	25.63	25.89	25.89	25.94	25.63	25.46	25.93	25.70	25.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 28.27 M (MSL), AT 18.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 24.92 M (MSL), RIVER BED 24.93 M (MSL)
LEFT BANK ELEVATION 29.74 M (MSL)
RIGHT BANK ELEVATION 28.22 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.80	1.10	1.10	1.04	1.22	0.92	1.10	2.30	3.98	1.16	2.41	
2	0.00	0.80	0.92	1.04	0.92	0.98	0.75	1.10	51.84	3.72	1.16	1.40	
3	0.00	0.75	0.80	0.98	0.86	0.92	0.75	1.10	25.65	3.24	1.16	1.16	
4	0.00	0.80	0.80	0.92	0.80	0.86	0.92	1.04	9.85	3.03	1.22	1.10	
5	0.00	0.75	0.75	0.92	0.75	0.80	0.86	1.58	5.95	2.93	1.16	0.98	
6	0.00	0.04	0.75	0.92	0.75	0.75	0.92	3.24	4.35	2.62	1.10	0.98	
7	0.00	0.35	0.86	1.16	0.75	0.75	0.98	3.24	3.98	2.51	1.10	0.98	
8	0.00	0.86	1.10	0.98	0.75	0.98	7.71	2.93	2.03	2.41	1.10	0.98	
9	0.92	0.98	0.92	1.04	0.75	0.92	4.48	2.51	0.28	2.21	1.04	0.98	
10	0.71	0.92	0.92	1.04	0.71	0.98	3.72	1.94	0.07	1.76	1.04	1.04	
11	0.67	0.98	0.92	2.30	0.80	0.92	2.03	1.67	0.00	1.16	1.04	1.10	
12	0.67	1.40	0.98	1.10	0.80	0.98	1.49	2.30	0.14	1.04	1.04	1.10	
13	0.75	0.98	0.98	1.10	0.80	1.16	1.28	1.85	0.00	0.98	1.04	0.98	
14	0.62	0.98	0.92	1.10	0.80	1.16	1.22	1.67	0.00	0.92	1.04	0.98	
15	0.80	1.04	0.86	2.41	0.80	0.98	1.10	1.67	0.18	0.75	1.04	1.16	
16	0.86	1.04	0.86	1.58	0.58	0.92	1.10	1.85	1.76	0.53	0.98	3.60	
17	0.98	0.98	0.80	1.58	0.71	0.92	1.04	1.85	2.12	0.25	0.98	1.94	
18	0.98	0.98	0.32	1.34	0.75	1.76	0.98	1.49	1.85	0.00	0.98	1.34	
19	0.92	0.98	0.07	1.22	0.58	1.16	0.98	1.40	1.67	0.00	0.98	1.22	
20	0.86	0.92	0.00	1.10	0.00	0.98	0.98	1.34	1.76	0.00	0.98	1.10	
21	0.92	0.92	0.62	1.10	0.53	1.16	1.16	2.30	21.65	0.00	1.10	1.10	
22	0.92	0.80	0.75	1.04	0.58	1.10	1.28	1.85	13.98	1.10	1.10	0.75	
23	0.86	0.71	0.80	0.98	0.00	0.98	3.35	1.49	63.15	1.28	0.98	0.67	
24	0.92	0.80	0.92	0.98	0.00	0.92	1.49	1.34	58.74	1.28	0.98	0.44	
25	0.98	0.75	0.98	0.92	0.00	0.92	1.76	1.49	25.90	1.28	0.98	0.25	
26	0.92	0.75	0.92	0.80	0.00	0.92	2.03	1.34	17.56	1.22	0.98	0.18	
27	0.75	0.80	0.92	0.92	0.75	0.92	1.58	1.49	9.68	1.22	1.04	0.14	
28	0.75	0.75	1.22	0.98	0.75	0.92	1.34	1.34	8.19	1.22	1.28	0.00	
29	0.75	0.75	1.04	1.10	0.80	0.92	1.22	1.28	8.19	1.22		0.71	
30	0.80	0.62	1.22	1.67	0.80	0.92	1.22	2.82	6.11	1.22		0.86	
31		0.80		1.16	2.30		1.22		4.87	1.22		0.80	
TOTAL	18.31	25.78	25.02	36.58	21.21	29.78	51.86	53.61	353.80	46.30	29.78	32.43	724.46 CMSDAY
MEAN	0.61	0.83	0.83	1.18	0.68	0.99	1.67	1.79	11.41	1.49	1.06	1.05	1.98 CMS
MAX	0.98	1.40	1.22	2.41	2.30	1.76	7.71	3.24	63.15	3.98	1.28	3.60	63.15 CMS
MIN	0.00	0.04	0.00	0.80	0.00	0.75	0.75	1.04	0.00	0.00	0.98	0.00	0.00 CMS
RUNOFF	1.582	2.227	2.162	3.161	1.833	2.573	4.481	4.632	30.568	4.000	2.573	2.802	62.593 MCM

MOMENTARY PEAK 51.84 CMS, AT 28.27 M (MSL), AT 18.00 HOURS, ON DEC 2, 1984

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

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

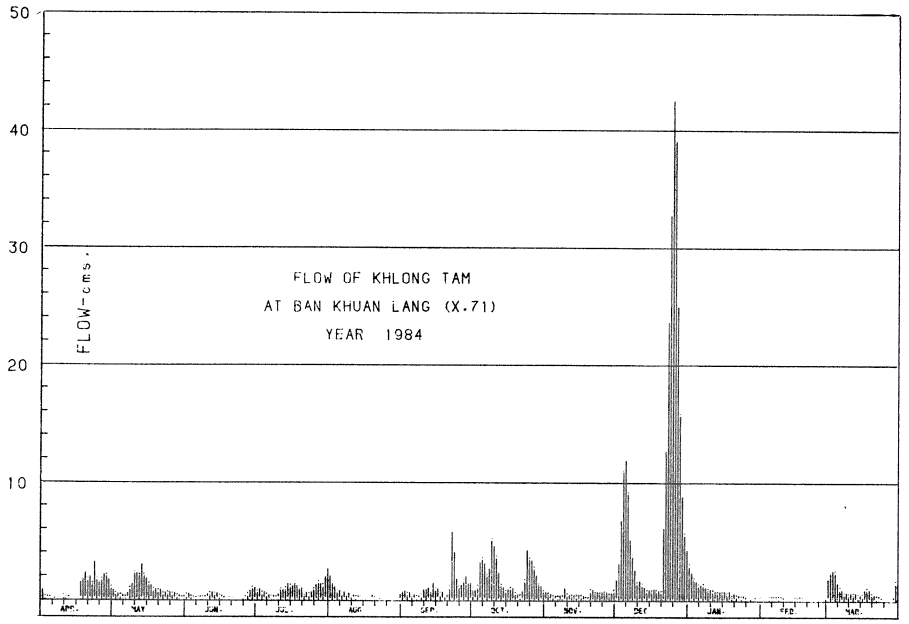
KHLONG TAM AT KHUAN LANG(3), SONGKHLA (X.71)

LOCATION	LAT. 6-59-55 N., LONG. 100-25-58 E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHET KASEM HIGHWAY AT KHUAN LANG(3), AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	127 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.665 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 50 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.211 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972, 1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972, 1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 9 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.88	1.87	1.74	1.89	2.40	1.95	2.00	1.82	2.28	2.68	1.55	2.30	
2	1.64	1.80	1.72	1.93	2.27	1.87	1.87	1.79	2.73	2.49	1.57	2.56	
3	1.62	1.72	1.66	1.84	2.03	1.81	2.11	1.73	3.56	2.35	1.60	2.54	
4	1.61	1.72	1.61	1.81	1.93	1.79	2.71	1.70	4.38	2.24	1.65	2.54	
5	1.60	1.67	1.59	1.76	1.87	1.75	2.82	1.66	4.52	2.16	1.63	2.19	
6	1.53	1.64	1.61	1.68	1.83	1.70	2.69	1.68	4.05	2.11	1.63	2.04	
7	1.51	1.75	1.62	1.66	1.81	1.68	2.45	1.66	3.19	2.18	1.64	1.90	
8	1.51	2.02	1.63	1.66	1.82	1.66	2.58	1.68	2.88	2.00	1.65	1.80	
9	1.55	2.14	1.63	1.64	1.76	1.75	3.22	1.97	2.55	1.98	1.63	1.79	
10	1.68	2.52	1.70	1.71	1.77	1.91	3.06	1.76	2.23	1.93	1.58	1.78	
11	1.60	2.46	1.81	1.98	1.68	2.06	2.85	1.68	2.25	1.91	1.57	1.77	
12	1.60	2.45	1.79	1.89	1.67	1.99	2.49	1.72	2.19	1.84	1.58	1.80	
13	1.54	2.66	1.78	2.03	1.65	1.93	2.16	1.68	2.01	1.83	1.54	1.77	
14	1.53	2.45	1.75	2.16	1.64	2.19	2.01	1.71	1.92	1.82	1.58	1.74	
15	1.52	2.31	1.70	2.14	1.62	2.02	1.90	1.70	1.91	1.83	1.62	1.68	
16	1.61	2.20	1.65	2.06	1.66	1.95	1.93	1.71	1.90	1.84	1.59	1.76	
17	2.21	2.08	1.60	2.25	1.59	1.82	2.03	1.64	1.93	1.79	1.63	1.90	
18	2.39	1.97	1.59	2.08	1.60	1.82	1.97	1.62	1.92	1.83	1.61	2.00	
19	2.47	1.92	1.60	2.07	1.68	1.77	1.81	1.61	1.86	1.69	1.59	1.91	
20	2.33	1.92	1.58	1.98	1.63	1.69	1.71	1.95	1.88	1.75	1.59	1.79	
21	2.37	1.90	1.57	1.82	1.61	2.11	1.72	1.91	3.43	1.70	1.54	1.70	
22	2.21	1.81	1.54	1.79	1.53	3.36	1.84	1.83	4.65	1.67	1.54	1.68	
23	2.71	1.78	1.52	1.78	1.53	2.99	2.31	1.81	6.10	1.65	1.54	1.66	
24	2.33	1.82	1.54	1.81	1.53	2.32	2.97	1.80	6.65	1.66	1.54	1.58	
25	2.18	1.79	1.64	2.00	1.47	2.09	2.81	1.81	6.94	1.60	1.54	1.54	
26	2.33	1.77	1.64	2.13	1.48	2.10	2.75	1.85	6.86	1.55	1.54	1.53	
27	2.43	1.75	1.78	2.26	1.49	2.32	2.62	1.80	6.20	1.66	1.54	1.53	
28	2.44	1.71	1.86	2.16	1.51	2.40	2.41	1.76	5.13	1.60	1.67	1.52	
29	2.28	1.66	2.05	2.16	1.50	2.30	2.18	1.76	3.97	1.59		1.61	
30	2.06	1.62	1.98	2.38	1.52	2.19	2.06	1.94	3.34	1.59		2.27	
31		1.64		2.65	1.71		1.89		2.97	1.60		2.29	
MEAN	1.94	1.95	1.68	1.97	1.70	2.04	2.32	1.76	3.50	1.87	1.59	1.89	
MAX	2.71	2.66	2.05	2.65	2.40	3.36	3.22	1.97	6.94	2.68	1.67	2.56	6.94
MIN	1.51	1.62	1.52	1.64	1.47	1.66	1.71	1.61	1.86	1.55	1.54	1.52	1.47

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.97 M (A.D), AT 15.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.26 M (A.D)
LEFT BANK ELEVATION 8.45 M (A.D)
RIGHT BANK ELEVATION 7.88 M (A.D), DRAINAGE AREA 127 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.86	0.84	0.58	0.88	2.10	1.00	1.10	0.74	1.74	3.12	0.20	1.80	
2	0.38	0.70	0.54	0.96	1.71	0.84	0.84	0.68	3.32	2.37	0.24	2.64	
3	0.34	0.54	0.42	0.78	1.16	0.72	1.32	0.56	6.80	1.95	0.30	2.56	
4	0.32	0.54	0.32	0.72	0.96	0.68	3.24	0.50	11.08	1.62	0.40	2.56	
5	0.30	0.44	0.28	0.62	0.84	0.60	3.68	0.42	11.92	1.42	0.36	1.48	
6	0.16	0.38	0.32	0.46	0.76	0.50	3.16	0.46	9.25	1.32	0.36	1.18	
7	0.12	0.60	0.34	0.42	0.72	0.46	2.25	0.42	5.16	1.46	0.38	0.90	
8	0.12	1.14	0.36	0.42	0.74	0.42	2.72	0.46	3.92	1.10	0.40	0.70	
9	0.20	1.38	0.36	0.38	0.62	0.60	5.28	1.04	2.60	1.06	0.36	0.68	
10	0.46	2.48	0.50	0.52	0.64	0.92	4.64	0.62	1.59	0.96	0.26	0.66	
11	0.30	2.28	0.72	1.06	0.46	1.22	3.80	0.46	1.65	0.92	0.24	0.64	
12	0.30	2.25	0.68	0.88	0.44	1.08	2.37	0.54	1.48	0.78	0.26	0.70	
13	0.18	3.04	0.66	1.16	0.40	0.96	1.42	0.46	1.12	0.76	0.18	0.64	
14	0.16	2.25	0.60	1.42	0.38	1.48	1.12	0.52	0.94	0.74	0.26	0.58	
15	0.14	1.83	0.50	1.38	0.34	1.14	0.90	0.50	0.92	0.76	0.34	0.46	
16	0.32	1.50	0.40	1.22	0.42	1.00	0.96	0.52	0.90	0.78	0.28	0.62	
17	1.53	1.26	0.30	1.65	0.28	0.74	1.16	0.38	0.96	0.68	0.36	0.90	
18	2.07	1.04	0.28	1.26	0.30	0.74	1.04	0.34	0.94	0.76	0.32	1.10	
19	2.31	0.94	0.30	1.24	0.46	0.64	0.72	0.32	0.82	0.48	0.28	0.92	
20	1.89	0.94	0.26	1.06	0.36	0.48	0.52	1.00	0.86	0.60	0.28	0.68	
21	2.01	0.90	0.24	0.74	0.32	1.32	0.54	0.92	6.15	0.50	0.18	0.50	
22	1.53	0.72	0.18	0.68	0.16	5.84	0.78	0.76	12.70	0.44	0.18	0.46	
23	3.24	0.66	0.14	0.66	0.16	4.36	1.83	0.72	23.70	0.40	0.18	0.42	
24	1.89	0.74	0.18	0.72	0.16	1.86	4.28	0.70	33.00	0.42	0.18	0.26	
25	1.46	0.68	0.38	1.10	0.07	1.28	3.64	0.72	42.60	0.30	0.18	0.18	
26	1.89	0.64	0.38	1.36	0.08	1.30	3.40	0.80	39.36	0.20	0.18	0.16	
27	2.19	0.60	0.66	1.68	0.09	1.86	2.88	0.70	25.00	0.42	0.18	0.16	
28	2.22	0.52	0.82	1.42	0.12	2.10	2.13	0.62	15.91	0.30	0.44	0.14	
29	1.74	0.42	1.20	1.42	0.10	1.80	1.46	0.62	8.85	0.28		0.32	
30	1.22	0.34	1.06	2.04	0.14	1.48	1.22	0.98	5.76	0.28		1.71	
31		0.38		3.00	0.52		0.88		4.28	0.30		1.77	
TOTAL	31.85	32.97	13.96	33.31	16.01	39.42	65.28	18.48	285.28	27.48	7.76	28.48	600.28 CMSDAY
MEAN	1.06	1.06	0.47	1.07	0.52	1.31	2.11	0.62	9.20	0.89	0.28	0.92	1.64 CMS
MAX	3.24	3.04	1.20	3.00	2.10	5.84	5.28	1.04	42.60	3.12	0.44	2.64	42.60 CMS
MIN	0.12	0.34	0.14	0.38	0.07	0.42	0.52	0.32	0.82	0.20	0.18	0.14	0.07 CMS
RUNOFF	2.752	2.849	1.206	2.878	1.383	3.406	5.640	1.597	24.648	2.374	0.670	2.461	51.864 MCM

MOMENTARY PEAK 43.95 CMS, AT 6.97 M (A.D), AT 15.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 12.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 346.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

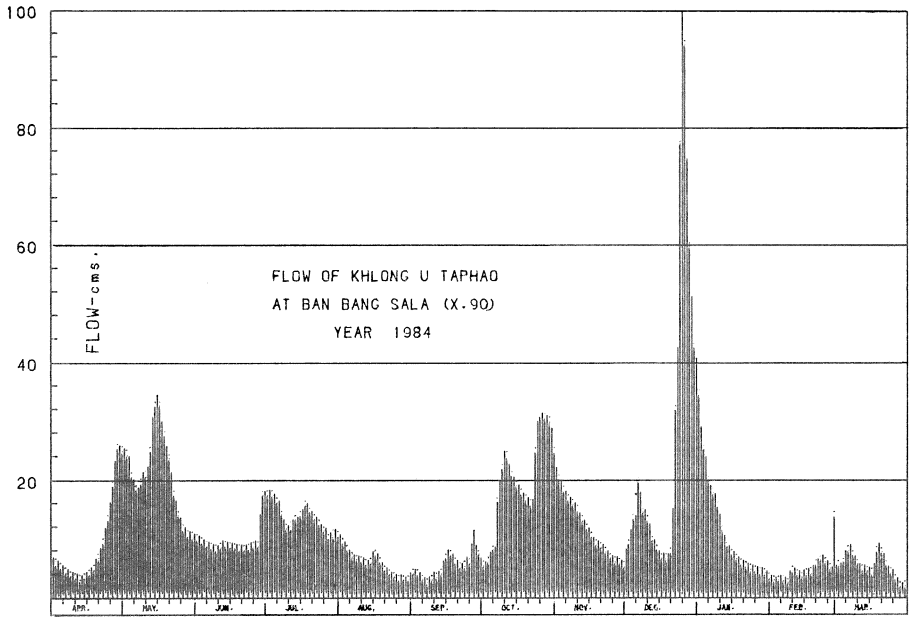
KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION	LAT. 6-55-39 N., LONG. 100-26-37 E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,562 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.680 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 28 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.335 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1972, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1972, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.23 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 69 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.93	3.60	2.32	3.00	2.32	1.73	1.87	3.33	2.07	4.39	1.61	1.79	
2	1.91	3.58	2.30	3.01	2.26	1.73	1.86	3.22	2.23	3.90	1.60	1.88	
3	1.88	3.49	2.27	3.00	2.20	1.72	1.94	3.15	2.39	3.64	1.58	1.83	
4	1.84	3.26	2.24	2.95	2.14	1.67	2.02	3.06	2.63	3.48	1.60	1.91	
5	1.80	3.16	2.21	2.89	2.06	1.62	2.13	2.99	2.61	3.20	1.61	2.04	
6	1.76	3.07	2.20	2.84	2.02	1.58	2.11	2.93	3.18	3.07	1.60	2.13	
7	1.73	3.04	2.18	2.68	1.98	1.56	2.89	2.89	2.97	3.03	1.58	2.15	
8	1.69	3.17	2.16	2.55	1.97	1.59	3.13	2.86	2.72	2.95	1.55	2.04	
9	1.68	3.26	2.15	2.48	1.96	1.62	3.37	2.81	2.70	2.82	1.69	1.95	
10	1.66	3.28	2.14	2.46	1.95	1.68	3.56	2.77	2.61	2.63	1.78	1.89	
11	1.65	3.34	2.18	2.52	1.93	1.66	3.55	2.65	2.48	2.45	1.74	1.82	
12	1.63	3.62	2.22	2.55	1.90	1.69	3.37	2.61	2.28	2.30	1.71	1.80	
13	1.62	4.04	2.21	2.62	1.88	1.73	3.27	2.54	2.23	2.18	1.69	1.80	
14	1.66	4.24	2.20	2.59	1.92	1.87	3.19	2.48	2.14	2.13	1.66	1.77	
15	1.68	4.33	2.19	2.68	2.03	1.99	3.13	2.42	2.04	2.06	1.71	1.76	
16	1.72	4.24	2.18	2.71	2.06	2.06	3.08	2.35	1.99	2.03	1.73	1.74	
17	1.76	3.98	2.17	2.84	2.00	2.05	3.02	2.27	2.00	1.98	1.74	1.82	
18	1.81	3.84	2.16	2.80	1.93	1.99	2.96	2.23	1.99	1.94	1.75	2.11	
19	1.91	3.63	2.15	2.73	1.85	1.92	2.93	2.21	1.99	1.90	1.79	2.17	
20	2.00	3.51	2.15	2.68	1.79	1.88	2.89	2.18	2.09	1.88	1.89	2.09	
21	2.09	3.26	2.14	2.63	1.76	1.84	2.86	2.15	2.72	1.86	1.90	1.99	
22	2.26	3.00	2.15	2.59	1.72	1.83	2.86	2.10	4.19	1.83	1.95	1.87	
23	2.42	2.84	2.16	2.55	1.68	1.87	3.61	2.04	4.91	1.81	1.97	1.78	
24	2.62	2.68	2.19	2.48	1.67	1.94	3.98	1.99	6.82	1.80	1.92	1.75	
25	2.82	2.58	2.20	2.44	1.64	1.91	4.10	1.96	7.61	1.78	1.87	1.72	
26	3.13	2.47	2.22	2.42	1.62	2.16	4.09	1.94	7.33	1.77	1.82	1.62	
27	3.42	2.43	2.20	2.32	1.63	2.46	4.08	1.94	6.71	1.75	1.76	1.57	
28	3.66	2.38	2.63	2.35	1.61	2.14	4.06	1.91	6.08	1.75	2.67	1.50	
29	3.64	2.37	2.99	2.39	1.59	2.05	4.04	1.88	5.53	1.73		1.48	
30	3.63	2.36	2.99	2.40	1.61	1.92	3.88	1.86	4.96	1.69		1.51	
31		2.33		2.37	1.67		3.61		4.78	1.65		1.79	
MEAN	2.17	3.24	2.26	2.63	1.88	1.85	3.14	2.46	3.52	2.37	1.77	1.84	
MAX	3.66	4.33	2.99	3.01	2.32	2.46	4.10	3.33	7.61	4.39	2.67	2.17	7.61
MIN	1.62	2.33	2.14	2.32	1.59	1.56	1.86	1.86	1.99	1.65	1.55	1.48	1.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.63 M (MSL), AT 9.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.68 M (MSL), RIVER BED 0.00 M (MSL)
LEFT BANK ELEVATION 7.22 M (MSL)
RIGHT BANK ELEVATION 8.82 M (MSL), DRAINAGE AREA 1562 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.90	25.50	10.82	18.30	10.82	4.94	6.30	22.26	8.30	35.37	3.80	5.51	
2	6.70	25.26	10.60	18.42	10.20	4.94	6.20	20.94	9.90	29.10	3.70	6.40	
3	6.40	24.18	10.30	18.30	9.60	4.84	7.00	20.10	11.59	25.98	3.51	5.90	
4	6.00	21.42	10.00	17.75	9.00	4.37	7.80	19.02	14.23	24.06	3.70	6.70	
5	5.60	20.22	9.70	17.09	8.20	3.89	8.90	18.19	14.01	20.70	3.80	8.00	
6	5.22	19.14	9.60	16.54	7.80	3.51	8.70	17.53	20.46	19.14	3.70	8.90	
7	4.94	18.78	9.40	14.78	7.40	3.32	17.09	17.09	17.97	18.66	3.51	9.10	
8	4.56	20.34	9.20	13.35	7.30	3.61	19.86	16.76	15.22	17.75	3.23	8.00	
9	4.46	21.42	9.10	12.58	7.20	3.89	22.74	16.21	15.00	16.32	4.56	7.10	
10	4.27	21.66	9.00	12.36	7.10	4.46	25.02	15.77	14.01	14.23	5.41	6.50	
11	4.18	22.38	9.40	13.02	6.90	4.27	24.90	14.45	12.58	12.25	5.03	5.80	
12	3.99	25.74	9.80	13.35	6.60	4.56	22.74	14.01	10.40	10.60	4.75	5.60	
13	3.89	30.82	9.70	14.12	6.40	4.94	21.54	13.24	9.90	9.40	4.56	5.60	
14	4.27	33.42	9.60	13.79	6.80	6.30	20.58	12.58	9.00	8.90	4.27	5.32	
15	4.46	34.59	9.50	14.78	7.90	7.50	19.86	11.92	8.00	8.20	4.75	5.22	
16	4.84	33.42	9.40	15.11	8.20	8.20	19.26	11.15	7.50	7.90	4.94	5.03	
17	5.22	30.06	9.30	16.54	7.60	8.10	18.54	10.30	7.60	7.40	5.03	5.80	
18	5.70	28.38	9.20	16.10	6.90	7.50	17.86	9.90	7.50	7.00	5.13	8.70	
19	6.70	25.86	9.10	15.33	6.10	6.80	17.53	9.70	7.50	6.60	5.51	9.30	
20	7.60	24.42	9.10	14.78	5.51	6.40	17.09	9.40	8.50	6.40	6.50	8.50	
21	8.50	21.42	9.00	14.23	5.22	6.00	16.76	9.10	15.22	6.20	6.60	7.50	
22	10.20	18.30	9.10	13.79	4.84	5.90	16.76	8.60	32.77	5.90	7.10	6.30	
23	11.92	16.54	9.20	13.35	4.46	6.30	25.62	8.00	42.64	5.70	7.30	5.41	
24	14.12	14.78	9.50	12.58	4.37	7.00	30.06	7.50	77.76	5.60	6.80	5.13	
25	16.32	13.68	9.60	12.14	4.08	6.70	31.60	7.20	107.19	5.41	6.30	4.84	
26	19.86	12.47	9.80	11.92	3.89	9.20	31.47	7.00	94.97	5.32	5.80	3.89	
27	23.34	12.03	9.60	10.82	3.99	12.36	31.34	7.00	74.77	5.13	5.22	3.42	
28	26.22	11.48	14.23	11.15	3.80	9.00	31.08	6.70	60.42	5.13	14.67	2.75	
29	25.98	11.37	18.19	11.59	3.61	8.10	30.82	6.40	51.32	4.94		2.56	
30	25.86	11.26	18.19	11.70	3.80	6.80	28.86	6.20	43.34	4.56		2.85	
31		10.93		11.37	4.37		25.62		40.82	4.18		5.51	
TOTAL	288.22	661.27	308.23	441.03	199.96	183.70	629.50	374.22	870.39	364.03	149.18	187.14	4656.87 CMSDAY
MEAN	9.61	21.33	10.27	14.23	6.45	6.12	20.31	12.47	28.08	11.74	5.33	6.04	12.76 CMS
MAX	26.22	34.59	18.19	18.42	10.82	12.36	31.60	22.26	107.19	35.37	14.67	9.30	107.19 CMS
MIN	3.89	10.93	9.00	10.82	3.61	3.32	6.20	6.20	7.50	4.18	3.23	2.56	2.56 CMS
RUNOFF	24.902	57.134	26.631	38.105	17.277	15.872	54.389	32.333	75.202	31.452	12.889	16.169	402.354 MCM

MOMENTARY PEAK 108.17 CMS, AT 7.63 M (MSL), AT 9.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 8.17 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 69.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

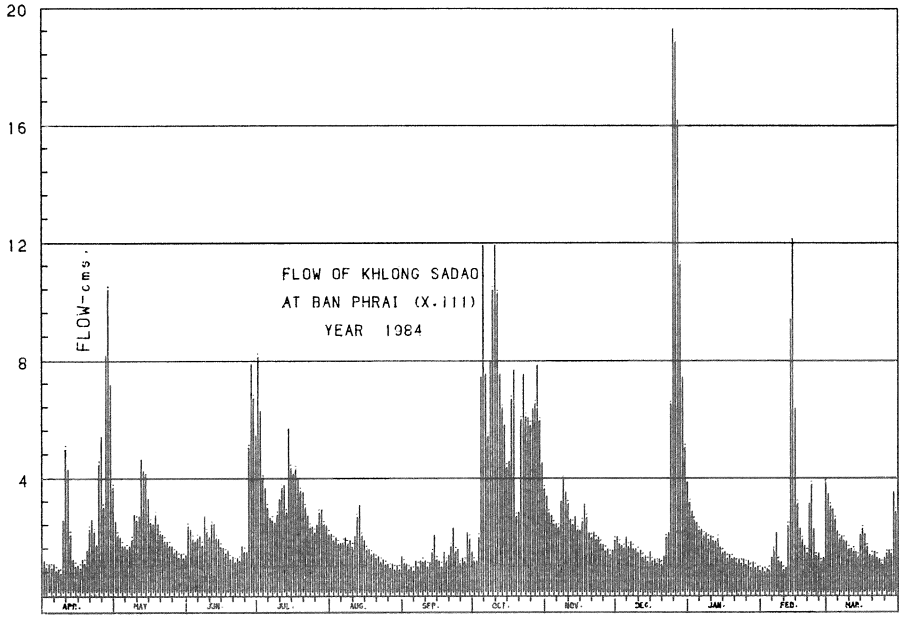
KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6-39-37 N., LONG. 100-26-09 E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+5.698 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 71 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	1.12	1.09	2.81	0.88	0.65	0.66	1.50	0.81	1.45	0.59	1.53	
2	0.62	0.92	0.98	2.40	0.83	0.62	0.64	1.31	0.78	1.29	0.59	1.40	
3	0.62	0.80	0.84	1.77	0.80	0.61	0.88	1.22	0.74	1.19	0.58	1.32	
4	0.62	0.77	0.77	1.61	0.78	0.60	2.65	1.13	0.75	1.10	0.60	1.20	
5	0.62	0.74	0.86	1.39	0.76	0.60	3.39	1.08	0.80	1.02	0.66	0.93	
6	0.60	0.75	0.83	1.18	0.79	0.64	2.67	1.08	0.76	0.97	0.73	0.84	
7	0.58	0.74	0.77	1.21	0.80	0.63	2.21	1.43	0.77	0.92	0.90	0.82	
8	0.58	0.82	1.21	1.10	0.78	0.64	2.76	1.76	0.75	0.89	0.66	0.82	
9	1.14	1.24	0.99	1.29	0.78	0.66	3.19	1.56	0.72	0.84	0.63	0.77	
10	2.09	1.21	0.81	1.46	0.76	0.64	3.38	1.44	0.73	0.82	0.60	0.74	
11	1.84	1.21	1.12	1.66	0.83	0.63	3.17	1.16	0.71	0.80	0.59	0.72	
12	0.93	1.99	1.08	1.65	1.25	0.63	2.67	1.14	0.69	0.77	1.10	0.73	
13	0.65	1.82	0.85	1.32	1.38	0.72	2.45	1.20	0.67	0.84	3.02	0.70	
14	0.63	1.84	0.79	2.25	0.90	0.85	2.28	1.03	0.66	0.73	3.42	0.69	
15	0.61	1.47	0.76	1.89	0.78	0.67	1.90	0.96	0.70	0.72	2.42	0.85	
16	0.62	1.16	0.73	1.79	0.74	0.64	1.93	1.17	0.66	0.70	1.44	1.04	
17	0.65	1.07	0.72	1.88	0.72	0.63	2.52	1.39	0.65	0.68	0.99	0.87	
18	0.65	1.29	0.71	1.72	0.71	0.70	2.70	1.24	0.65	0.68	0.81	0.75	
19	0.71	1.08	0.68	1.61	0.69	0.66	1.26	0.90	0.65	0.68	0.74	0.68	
20	1.04	0.94	0.67	1.55	0.68	0.68	1.28	0.88	0.64	0.66	0.72	0.70	
21	1.15	0.86	0.66	1.39	0.67	0.76	2.35	0.91	0.67	0.65	1.40	0.70	
22	0.99	0.81	0.66	1.22	0.66	1.01	2.67	0.83	0.85	0.65	1.70	0.69	
23	0.75	0.77	0.67	1.08	0.65	0.73	2.38	0.80	0.90	0.65	0.98	0.65	
24	1.93	0.77	0.74	1.03	0.64	0.72	2.34	0.78	2.48	0.65	0.69	0.64	
25	2.18	0.74	0.73	0.99	0.62	0.64	2.31	0.75	3.99	0.64	0.69	0.66	
26	1.39	0.72	0.70	1.06	0.62	0.66	2.42	0.74	3.97	0.64	0.65	0.71	
27	2.80	0.71	2.10	1.32	0.62	0.66	2.49	0.72	3.80	0.62	0.66	0.71	
28	3.19	0.69	2.74	1.32	0.61	0.91	2.73	0.71	3.31	0.63	1.72	0.71	
29	2.60	0.69	2.53	1.12	0.61	0.85	2.34	0.71	2.65	0.62		1.55	
30	1.66	0.69	2.19	1.05	0.61	0.70	1.91	0.81	2.10	0.60		1.33	
31		0.68		0.96	0.67		1.64		1.69	0.60		0.89	
MEAN	1.17	1.00	1.03	1.49	0.76	0.69	2.26	1.08	1.31	0.80	1.08	0.88	
MAX	3.19	1.99	2.74	2.81	1.38	1.01	3.39	1.76	3.99	1.45	3.42	1.55	3.99
MIN	0.58	0.68	0.66	0.96	0.61	0.60	0.64	0.71	0.64	0.60	0.58	0.64	0.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.09 M (A.D), AT 18.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.29 M (A.D)
LEFT BANK ELEVATION 6.00 M (A.D)
RIGHT BANK ELEVATION 5.80 M (A.D), DRAINAGE AREA 256 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	2.54	2.48	8.25	2.12	1.25	1.30	3.40	2.01	3.28	0.96	3.48	
2	1.10	2.18	2.27	6.30	2.04	1.10	1.20	2.93	1.90	2.88	0.96	3.15	
3	1.10	2.00	2.06	4.11	2.00	1.05	2.12	2.74	1.70	2.68	0.92	2.95	
4	1.10	1.85	1.85	3.68	1.90	1.00	7.45	2.56	1.75	2.50	1.00	2.70	
5	1.10	1.70	2.09	3.13	1.80	1.00	12.02	2.46	2.00	2.34	1.30	2.20	
6	1.00	1.75	2.04	2.66	1.95	1.20	7.55	2.46	1.80	2.26	1.65	2.06	
7	0.92	1.70	1.85	2.72	2.00	1.15	5.54	3.23	1.85	2.18	2.15	2.03	
8	0.92	2.03	2.72	2.50	1.90	1.20	8.00	4.08	1.75	2.14	1.30	2.03	
9	2.58	2.78	2.29	2.88	1.90	1.30	10.53	3.55	1.60	2.06	1.15	1.85	
10	5.11	2.72	2.01	3.30	1.80	1.20	11.94	3.25	1.65	2.03	1.00	1.70	
11	4.32	2.72	2.54	3.80	2.04	1.15	10.39	2.62	1.55	2.00	0.96	1.60	
12	2.20	4.77	2.46	3.78	2.80	1.15	7.55	2.58	1.45	1.85	2.50	1.65	
13	1.25	4.26	2.08	2.95	3.10	1.60	6.50	2.70	1.35	2.06	9.42	1.50	
14	1.15	4.32	1.95	5.70	2.15	2.08	5.82	2.36	1.30	1.65	12.26	1.45	
15	1.05	3.33	1.80	4.47	1.90	1.35	4.50	2.24	1.50	1.60	6.38	2.08	
16	1.10	2.62	1.65	4.17	1.70	1.20	4.59	2.64	1.30	1.50	3.25	2.38	
17	1.25	2.44	1.60	4.44	1.60	1.15	6.80	3.13	1.25	1.40	2.29	2.11	
18	1.25	2.88	1.55	3.96	1.55	1.50	7.70	2.78	1.25	1.40	2.01	1.75	
19	1.55	2.46	1.40	3.68	1.45	1.30	2.82	2.15	1.25	1.40	1.70	1.40	
20	2.38	2.21	1.35	3.53	1.40	1.40	2.86	2.12	1.20	1.30	1.60	1.50	
21	2.60	2.09	1.30	3.13	1.35	1.80	6.10	2.17	1.35	1.25	3.15	1.50	
22	2.29	2.01	1.30	2.74	1.30	2.32	7.55	2.04	2.08	1.25	3.90	1.45	
23	1.75	1.85	1.35	2.46	1.25	1.65	6.22	2.00	2.15	1.25	2.27	1.25	
24	4.59	1.85	1.70	2.36	1.20	1.60	6.06	1.90	6.62	1.25	1.45	1.20	
25	5.43	1.70	1.65	2.29	1.10	1.20	5.94	1.75	19.32	1.20	1.45	1.30	
26	3.13	1.60	1.50	2.42	1.10	1.30	6.38	1.70	18.96	1.20	1.25	1.55	
27	8.20	1.55	5.15	2.95	1.10	1.30	6.66	1.60	16.20	1.10	1.30	1.55	
28	10.53	1.45	7.90	2.95	1.05	2.17	7.85	1.55	11.38	1.15	3.96	1.55	
29	7.20	1.45	6.85	2.54	1.05	2.08	6.06	1.55	7.45	1.10		3.53	
30	3.80	1.45	5.47	2.40	1.05	1.50	4.53	2.01	5.15	1.00		2.98	
31		1.40		2.24	1.35		3.75		3.88	1.00		2.14	
TOTAL	83.15	71.66	74.21	108.49	52.00	42.25	194.28	74.25	125.95	53.26	73.49	61.57	1014.56 CMSDAY
MEAN	2.77	2.31	2.47	3.50	1.68	1.41	6.27	2.48	4.06	1.72	2.62	1.99	2.78 CMS
MAX	10.53	4.77	7.90	8.25	3.10	2.32	12.02	4.08	19.32	3.28	12.26	3.53	19.32 CMS
MIN	0.92	1.40	1.30	2.24	1.05	1.00	1.20	1.55	1.20	1.00	0.92	1.20	0.92 CMS
RUNOFF	7.184	6.191	6.412	9.374	4.493	3.650	16.786	6.415	10.882	4.602	6.350	5.320	87.658 MCM

MOMENTARY PEAK 21.57 CMS, AT 4.09 M (A.D), AT 18.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 10.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 84.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

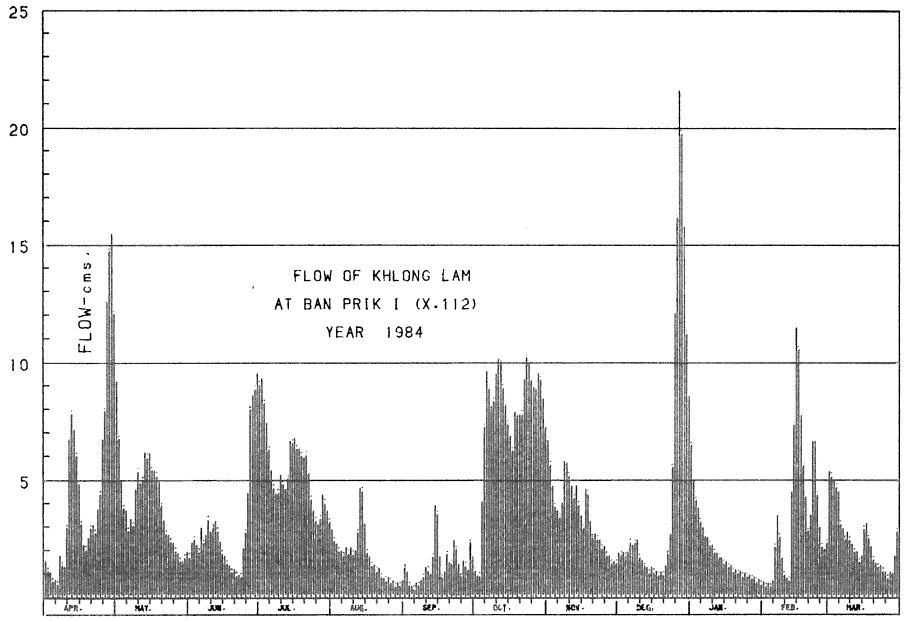
KHLONG LAM AT BAN PRIK (1), SONGKHLA (X.112)

LOCATION	LAT. 6-42-11 N., LONG. 100-26-10 E., ON RIGHT BANK AT BAN PRIK (1), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	493 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.533 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 76 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.64	4.19	1.78	4.19	2.17	1.58	1.53	3.46	1.78	3.43	1.28	3.02	
2	1.53	3.52	1.95	4.22	2.04	1.46	1.39	3.16	1.81	2.90	1.26	3.00	
3	1.45	2.90	2.06	3.99	1.94	1.28	1.45	2.81	1.79	2.65	1.26	2.87	
4	1.36	2.54	1.91	3.70	1.87	1.21	2.59	2.56	1.78	2.50	1.25	2.85	
5	1.32	2.46	1.86	3.37	1.82	1.22	3.68	2.46	1.80	2.34	1.30	2.73	
6	1.30	2.20	2.20	3.03	1.79	1.27	4.29	2.41	2.01	2.20	1.93	2.30	
7	1.73	2.33	2.00	2.83	1.88	1.28	4.16	2.57	1.91	2.12	2.39	2.19	
8	1.62	2.28	2.08	2.70	1.84	1.31	3.92	3.22	2.00	2.04	2.10	2.06	
9	1.55	2.76	2.38	2.77	1.87	1.43	4.02	3.14	2.00	1.97	1.69	2.13	
10	2.24	3.06	2.13	2.97	1.82	1.54	4.26	3.00	1.76	1.92	1.46	2.05	
11	3.47	2.85	2.25	2.89	1.82	1.55	4.43	2.81	1.66	1.84	1.35	1.93	
12	3.86	2.94	2.30	2.77	2.17	1.42	4.38	2.68	1.60	1.78	1.37	1.85	
13	3.60	3.29	2.20	2.97	2.78	1.77	4.16	2.82	1.54	1.76	2.73	1.80	
14	3.28	3.27	1.97	3.45	2.79	2.53	3.93	2.59	1.49	1.70	3.71	1.68	
15	2.84	3.28	1.83	3.47	2.26	2.45	3.73	2.38	1.54	1.66	4.63	1.73	
16	2.30	3.08	1.73	3.49	1.84	1.72	3.52	2.24	1.51	1.63	4.50	2.23	
17	1.92	3.03	1.65	3.39	1.72	1.41	3.35	2.77	1.47	1.59	3.80	2.27	
18	1.90	3.01	1.57	3.34	1.62	1.46	3.84	2.75	1.45	1.57	3.14	2.07	
19	2.03	2.87	1.52	3.29	1.58	1.81	3.86	2.30	1.46	1.52	2.66	1.89	
20	2.24	2.57	1.51	3.21	1.54	1.62	3.81	2.09	1.46	1.50	2.18	1.72	
21	2.24	2.31	1.46	3.30	1.53	1.66	3.86	2.10	1.56	1.48	2.39	1.61	
22	2.17	2.16	1.41	2.99	1.43	1.99	4.21	2.07	1.81	1.47	3.49	1.60	
23	2.48	2.08	1.44	2.67	1.35	1.89	4.43	2.00	2.09	1.44	3.45	1.57	
24	2.74	2.03	1.86	2.46	1.38	1.59	4.36	1.92	3.12	1.44	2.73	1.53	
25	3.47	1.95	2.17	2.36	1.37	1.43	4.24	1.89	4.72	1.43	2.21	1.46	
26	3.89	1.87	2.71	2.25	1.35	1.65	4.14	1.80	5.15	1.41	1.94	1.41	
27	4.78	1.78	3.91	2.39	1.31	1.62	4.17	1.73	5.58	1.40	1.84	1.46	
28	5.01	1.70	4.05	2.69	1.27	1.49	4.27	1.66	5.45	1.37	2.00	1.49	
29	5.07	1.64	4.15	2.62	1.27	2.00	4.24	1.63	5.10	1.35		1.73	
30	4.73	1.76	4.27	2.46	1.28	1.72	4.01	1.66	4.61	1.33		2.19	
31		1.80		2.34	1.31		3.69		4.04	1.30		2.06	
MEAN	2.66	2.56	2.21	3.05	1.74	1.61	3.74	2.42	2.49	1.81	2.36	2.02	
MAX	5.07	4.19	4.27	4.22	2.79	2.53	4.43	3.46	5.58	3.43	4.63	3.02	5.58
MIN	1.30	1.64	1.41	2.25	1.27	1.21	1.39	1.63	1.45	1.30	1.25	1.41	1.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.59 M (A.D), AT 12.00 HOURS, ON DEC 27, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.34 M (A.D)
LEFT BANK ELEVATION 6.20 M (A.D)
RIGHT BANK ELEVATION 6.25 M (A.D), DRAINAGE AREA 493 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.56	9.21	1.91	9.21	2.91	1.41	1.28	6.71	1.91	6.62	0.67	5.39	
2	1.28	6.89	2.34	9.34	2.57	1.11	0.94	5.81	1.99	5.03	0.62	5.33	
3	1.09	5.03	2.63	8.42	2.31	0.67	1.09	4.76	1.94	4.28	0.62	4.94	
4	0.86	3.96	2.24	7.45	2.14	0.50	4.10	4.01	1.91	3.84	0.60	4.88	
5	0.77	3.72	2.11	6.44	2.01	0.53	7.39	3.72	1.96	3.38	0.72	4.52	
6	0.72	2.99	2.99	5.42	1.94	0.65	9.65	3.58	2.50	2.99	2.29	3.27	
7	1.79	3.35	2.47	4.82	2.16	0.67	9.07	4.04	2.24	2.78	3.52	2.96	
8	1.51	3.21	2.68	4.43	2.06	0.74	8.17	5.99	2.47	2.57	2.73	2.63	
9	1.33	4.61	3.49	4.64	2.14	1.03	8.52	5.75	2.47	2.39	1.69	2.81	
10	3.10	5.51	2.81	5.24	2.01	1.31	9.52	5.33	1.86	2.26	1.11	2.60	
11	6.74	4.88	3.13	5.00	2.01	1.33	10.35	4.76	1.61	2.06	0.84	2.29	
12	7.97	5.15	3.27	4.64	2.91	1.01	10.10	4.37	1.46	1.91	0.89	2.09	
13	7.14	6.20	2.99	5.24	4.67	1.89	9.07	4.79	1.31	1.86	4.52	1.96	
14	6.17	6.14	2.39	6.68	4.70	3.93	8.21	4.10	1.19	1.71	7.48	1.66	
15	4.85	6.17	2.04	6.74	3.16	3.70	7.55	3.49	1.31	1.61	11.50	1.79	
16	3.27	5.57	1.79	6.80	2.06	1.76	6.89	3.10	1.24	1.54	10.70	3.07	
17	2.26	5.42	1.59	6.50	1.76	0.98	6.38	4.64	1.14	1.44	7.77	3.19	
18	2.21	5.36	1.39	6.35	1.51	1.11	7.90	4.58	1.09	1.39	5.75	2.65	
19	2.55	4.94	1.26	6.20	1.41	1.99	7.97	3.27	1.11	1.26	4.31	2.19	
20	3.10	4.04	1.24	5.96	1.31	1.51	7.80	2.70	1.11	1.21	2.94	1.76	
21	3.10	3.30	1.11	6.23	1.28	1.61	7.97	2.73	1.36	1.16	3.52	1.49	
22	2.91	2.89	0.98	5.30	1.03	2.44	9.30	2.65	1.99	1.14	6.80	1.46	
23	3.78	2.68	1.06	4.34	0.84	2.19	10.35	2.47	2.70	1.06	6.68	1.39	
24	4.55	2.55	2.11	3.72	0.91	1.44	10.00	2.26	5.69	1.06	4.52	1.28	
25	6.74	2.34	2.91	3.44	0.89	1.03	9.43	2.19	12.12	1.03	3.02	1.11	
26	8.07	2.14	4.46	3.13	0.84	1.59	8.98	1.96	16.33	0.98	2.31	0.98	
27	12.61	1.91	8.14	3.52	0.74	1.51	9.12	1.79	21.59	0.96	2.06	1.11	
28	14.86	1.71	8.63	4.40	0.65	1.19	9.56	1.61	19.90	0.89	2.47	1.19	
29	15.49	1.56	9.03	4.19	0.65	2.47	9.43	1.54	15.80	0.84		1.79	
30	12.20	1.86	9.56	3.72	0.67	1.76	8.49	1.61	11.37	0.79		2.96	
31		1.96		3.38	0.74		7.42		8.59	0.72		2.63	
TOTAL	144.58	127.25	94.75	170.89	56.99	45.06	242.00	110.31	151.26	62.76	102.65	79.37	1387.87 CMSDAY
MEAN	4.82	4.10	3.16	5.51	1.84	1.50	7.81	3.68	4.88	2.02	3.67	2.56	3.80 CMS
MAX	15.49	9.21	9.56	9.34	4.70	3.93	10.35	6.71	21.59	6.62	11.50	5.39	21.59 CMS
MIN	0.72	1.56	0.98	3.13	0.65	0.50	0.94	1.54	1.09	0.72	0.60	0.98	0.50 CMS
RUNOFF	12.492	10.994	8.186	14.765	4.924	3.893	20.909	9.531	13.069	5.422	8.869	6.858	119.912 MCM

MOMENTARY PEAK 21.72 CMS, AT 5.59 M (A.D), AT 12.00 HOURS, ON DEC 27, 1984

RUNOFF YIELD 7.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 44.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

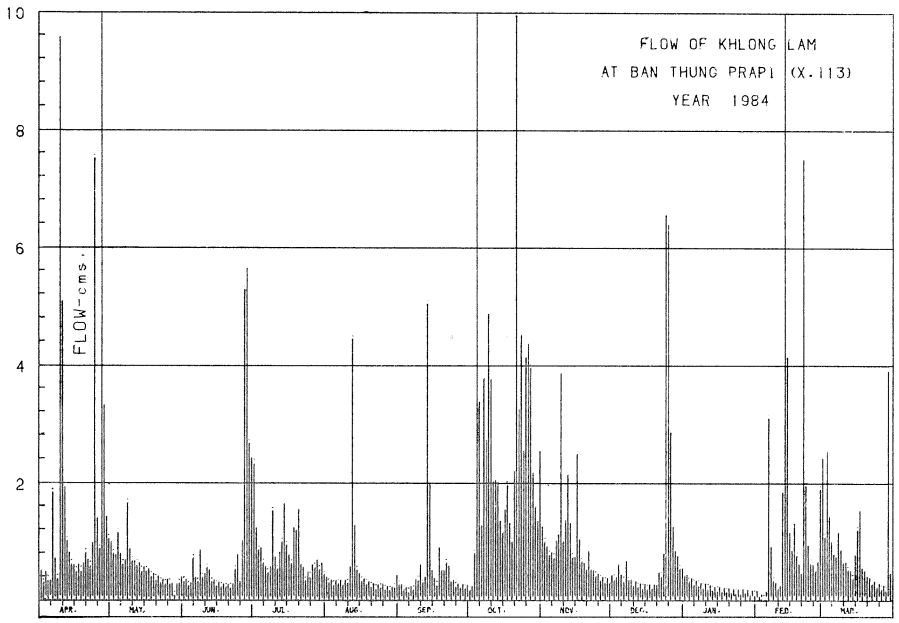
KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6-37-59 N., LONG. 100-23-46 E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ABOUT 10 METERS FROM THE GAGE OBSERVER'S HOUSE.
ELEVATION	+7.140 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 138 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.47	1.75	1.40	2.34	1.40	1.33	1.24	1.88	1.42	1.46	1.16	2.35	
2	1.36	1.68	1.36	1.87	1.37	1.27	1.24	1.78	1.43	1.43	1.15	1.82	
3	1.46	1.64	1.32	1.71	1.35	1.25	1.68	1.71	1.40	1.39	1.10	2.40	
4	1.41	1.86	1.30	1.70	1.33	1.22	4.36	1.67	1.57	1.38	1.10	1.97	
5	1.34	1.65	1.64	1.60	1.34	1.21	2.71	1.66	1.43	1.35	1.15	1.75	
6	2.14	1.59	1.39	1.52	1.35	1.24	1.89	1.65	1.40	1.34	2.62	1.68	
7	1.61	1.59	1.38	1.49	1.35	1.25	2.84	1.76	1.58	1.34	1.71	1.62	
8	1.43	2.07	1.68	1.52	1.35	1.36	2.47	1.84	1.40	1.30	1.40	1.86	
9	3.96	1.69	1.44	2.01	1.35	1.41	3.15	2.85	1.36	1.30	1.30	1.68	
10	3.21	1.62	1.44	1.62	1.36	1.54	2.82	1.78	1.33	1.29	1.27	1.60	
11	2.15	1.58	1.55	1.53	1.52	1.35	2.21	1.93	1.33	1.28	1.25	1.57	
12	1.79	1.59	1.48	1.66	3.03	1.40	2.20	2.26	1.30	1.26	2.14	1.52	
13	1.66	1.56	1.38	1.78	1.89	3.20	2.22	1.91	1.29	1.25	5.06	1.47	
14	1.59	1.52	1.35	2.04	1.52	2.17	1.92	1.65	1.28	1.23	2.94	1.43	
15	1.54	1.51	1.33	1.75	1.44	1.52	1.86	1.62	1.28	1.25	1.83	1.64	
16	1.51	1.51	1.31	1.64	1.40	1.38	2.00	2.40	1.26	1.23	1.71	1.88	
17	1.55	1.49	1.30	1.59	1.37	1.33	2.19	1.77	1.27	1.22	1.91	1.99	
18	1.52	1.46	1.28	1.87	1.36	1.70	1.91	1.61	1.28	1.21	1.66	1.54	
19	1.56	1.44	1.29	1.89	1.32	1.51	1.78	1.56	1.27	1.21	1.55	1.47	
20	1.69	1.43	1.27	2.00	1.31	1.47	2.26	1.54	1.34	1.21	1.49	1.47	
21	1.60	1.41	1.29	1.58	1.29	1.60	4.27	1.67	1.45	1.20	3.67	1.39	
22	1.57	1.38	1.28	1.51	1.27	1.53	2.65	1.53	1.45	1.19	2.18	1.36	
23	1.74	1.36	1.53	1.40	1.27	1.39	3.05	1.48	1.65	1.19	1.72	1.33	
24	3.68	1.35	1.64	1.46	1.28	1.35	2.40	1.46	3.52	1.19	1.60	1.31	
25	1.94	1.36	1.37	1.45	1.28	1.31	2.94	1.44	3.48	1.19	1.54	1.29	
26	1.72	1.36	1.76	1.54	1.26	1.28	2.99	1.42	2.54	1.19	1.52	1.27	
27	4.04	1.29	3.26	1.56	1.24	1.30	2.89	1.40	1.88	1.19	1.57	1.26	
28	2.69	1.15	3.33	1.59	1.24	1.27	2.25	1.39	1.71	1.18	2.16	1.25	
29	1.95	1.28	2.47	1.53	1.23	1.27	2.04	1.38	1.63	1.17		2.86	
30	1.81	1.36	2.35	1.56	1.29	1.26	1.92	1.39	1.54	1.17		1.48	
31		1.40		1.46	1.42		2.42		1.50	1.17		1.38	
MEAN	1.96	1.51	1.61	1.67	1.41	1.46	2.41	1.71	1.60	1.26	1.84	1.64	
MAX	4.04	2.07	3.33	2.34	3.03	3.20	4.36	2.85	3.52	1.46	5.06	2.86	5.06
MIN	1.34	1.15	1.27	1.40	1.23	1.21	1.24	1.38	1.26	1.17	1.10	1.25	1.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.49 M (A.D), AT 6.00 HOURS, ON FEB 13, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.50 M (A.D)
LEFT BANK ELEVATION 5.72 M (A.D)
RIGHT BANK ELEVATION 6.65 M (A.D), DRAINAGE AREA 129 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.51	1.00	0.40	2.40	0.40	0.33	0.24	1.26	0.43	0.49	0.16	2.43	
2	0.36	0.86	0.36	1.24	0.37	0.27	0.24	1.06	0.44	0.44	0.15	1.14	
3	0.49	0.78	0.32	0.92	0.35	0.25	0.86	0.92	0.40	0.39	0.10	2.55	
4	0.42	1.22	0.30	0.90	0.33	0.22	13.10	0.84	0.66	0.38	0.10	1.48	
5	0.34	0.80	0.78	0.70	0.34	0.21	3.43	0.82	0.44	0.35	0.15	1.00	
6	1.90	0.69	0.39	0.58	0.35	0.24	1.28	0.80	0.40	0.34	3.16	0.86	
7	0.72	0.69	0.38	0.54	0.35	0.25	3.84	1.02	0.67	0.34	0.92	0.74	
8	0.44	1.72	0.86	0.58	0.35	0.36	2.73	1.18	0.40	0.30	0.40	1.22	
9	9.58	0.88	0.46	1.58	0.35	0.42	4.93	3.87	0.36	0.30	0.30	0.86	
10	5.14	0.74	0.46	0.74	0.36	0.61	3.77	1.06	0.33	0.29	0.27	0.70	
11	1.93	0.67	0.62	0.59	0.58	0.35	2.08	1.37	0.33	0.28	0.25	0.66	
12	1.08	0.69	0.52	0.82	4.50	0.40	2.05	2.20	0.30	0.26	1.90	0.58	
13	0.82	0.64	0.38	1.06	1.28	5.10	2.10	1.32	0.29	0.25	25.42	0.51	
14	0.69	0.58	0.35	1.65	0.58	1.98	1.35	0.80	0.28	0.23	4.19	0.44	
15	0.61	0.57	0.33	1.00	0.46	0.58	1.22	0.74	0.28	0.25	1.16	0.78	
16	0.57	0.57	0.31	0.78	0.40	0.38	1.55	2.55	0.26	0.23	0.92	1.26	
17	0.62	0.54	0.30	0.69	0.37	0.33	2.03	1.04	0.27	0.22	1.32	1.53	
18	0.58	0.49	0.28	1.24	0.36	0.90	1.32	0.72	0.28	0.21	0.82	0.61	
19	0.64	0.46	0.29	1.28	0.32	0.57	1.06	0.64	0.27	0.21	0.62	0.51	
20	0.88	0.44	0.27	1.55	0.31	0.51	2.20	0.61	0.34	0.21	0.54	0.51	
21	0.70	0.42	0.29	0.67	0.29	0.70	12.21	0.84	0.48	0.20	7.51	0.39	
22	0.66	0.38	0.28	0.57	0.27	0.59	3.25	0.59	0.48	0.19	2.00	0.36	
23	0.98	0.36	0.59	0.40	0.27	0.39	4.57	0.52	0.80	0.19	0.94	0.33	
24	7.57	0.35	0.78	0.49	0.28	0.35	2.55	0.49	6.61	0.19	0.70	0.31	
25	1.40	0.36	0.37	0.48	0.28	0.31	4.19	0.46	6.40	0.19	0.61	0.29	
26	0.94	0.36	1.02	0.61	0.26	0.28	4.37	0.43	2.92	0.19	0.58	0.27	
27	10.22	0.29	5.34	0.64	0.24	0.30	4.02	0.40	1.26	0.19	0.66	0.26	
28	3.37	0.15	5.65	0.69	0.24	0.27	2.18	0.39	0.92	0.18	1.95	0.25	
29	1.43	0.28	2.73	0.59	0.23	0.27	1.65	0.38	0.76	0.17		3.91	
30	1.12	0.36	2.43	0.64	0.29	0.26	1.35	0.39	0.61	0.17		0.52	
31		0.40		0.49	0.43		2.60		0.55	0.17		0.38	
TOTAL	56.71	18.74	27.84	27.11	15.79	17.98	94.32	29.71	29.22	8.00	57.80	27.64	410.86 CMSDAY
MEAN	1.89	0.60	0.93	0.87	0.51	0.60	3.04	0.99	0.94	0.26	2.06	0.89	1.13 CMS
MAX	10.22	1.72	5.65	2.40	4.50	5.10	13.10	3.87	6.61	0.49	25.42	3.91	25.42 CMS
MIN	0.34	0.15	0.27	0.40	0.23	0.21	0.24	0.38	0.26	0.17	0.10	0.25	0.10 CMS
RUNOFF	4.900	1.619	2.405	2.342	1.364	1.553	8.149	2.567	2.525	0.691	4.994	2.388	35.498 MCM

MOMENTARY PEAK 42.20 CMS, AT 5.49 M (A.D), AT 6.00 HOURS, ON FEB 13, 1984
RUNOFF YIELD 8.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 327.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

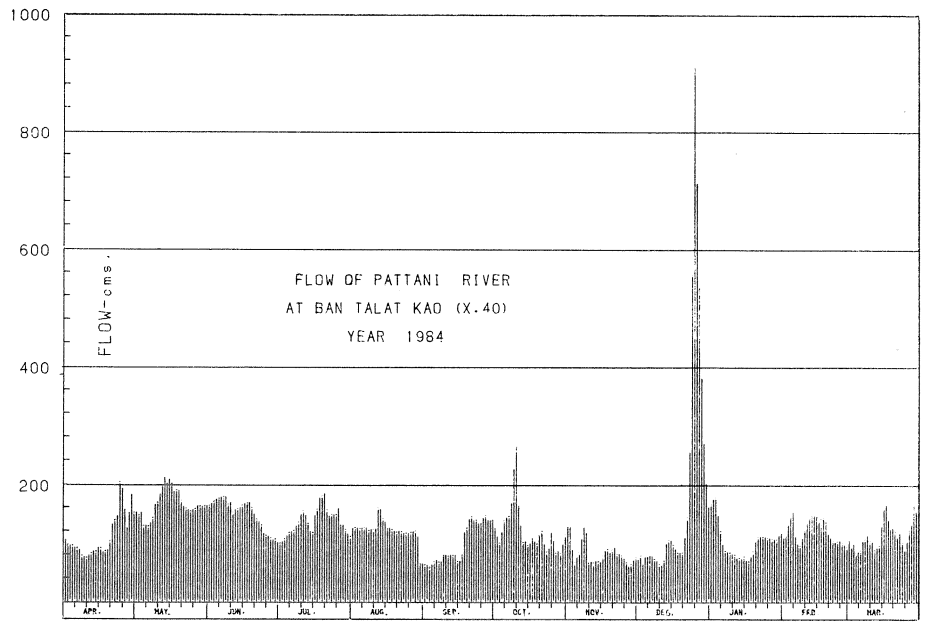
PATTANI RIVER AT BAN TALAT KAO, YALA (X.40)

LOCATION	LAT. 6-34-03 N., LONG. 101-17-40 E., ON RIGHT BANK ABOUT 500 METERS DOWNSTREAM FROM RAILWAY BRIDGE, AMPHOE MUANG, YALA.
DRAINAGE AREA	3,295 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+9.60 M. (M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 10 METERS UPSTREAM FROM THE TOP STAFF GAGE.
ELEVATION	+16.335 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964-1975
RATED BY FLOAT	-
RATED BY CURRENT METER	1964-1975
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 2,198 DISCHARGE MEASUREMENTS MADE DURING 1966-1975.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.88	12.40	12.53	11.82	12.10	11.36	12.09	12.13	11.48	12.55	11.91	11.86	
2	11.79	12.35	12.56	11.84	12.12	11.34	11.94	12.17	11.57	12.63	12.00	11.76	
3	11.77	12.40	12.60	11.90	12.11	11.28	11.82	11.70	11.36	12.67	12.16	11.80	
4	11.78	12.15	12.63	11.96	12.10	11.35	12.02	11.42	11.61	12.34	12.35	11.62	
5	11.73	12.15	12.65	12.02	12.11	11.44	12.25	11.53	11.55	12.05	12.41	11.65	
6	11.73	12.14	12.67	12.04	12.11	11.47	12.30	11.65	11.65	11.79	11.98	11.68	
7	11.69	12.20	12.68	12.06	12.11	11.43	12.33	11.90	11.56	11.67	11.80	11.85	
8	11.57	12.30	12.68	12.14	12.06	11.43	12.57	12.17	11.50	11.65	11.77	11.89	
9	11.54	12.54	12.55	12.21	12.08	11.58	13.18	12.02	11.45	11.64	11.91	11.97	
10	11.53	12.58	12.58	12.36	12.08	11.58	13.46	11.41	11.37	11.60	12.09	11.91	
11	11.57	12.72	12.40	12.43	12.09	11.56	12.52	11.43	11.33	11.59	12.20	11.84	
12	11.62	12.88	12.45	12.34	12.49	11.58	12.15	11.41	11.46	11.51	12.34	11.68	
13	11.66	13.00	12.47	12.19	12.46	11.58	11.84	11.45	11.81	11.52	12.36	11.73	
14	11.66	12.90	12.49	12.04	12.28	11.58	11.85	11.44	11.88	11.50	12.38	11.77	
15	11.73	12.97	12.53	12.02	12.22	11.44	11.78	11.42	11.87	11.55	12.33	12.13	
16	11.73	12.90	12.56	12.34	12.09	11.44	11.81	11.57	11.79	11.46	12.26	12.49	
17	11.64	12.76	12.57	12.46	12.11	11.59	11.91	11.67	11.70	11.44	12.30	12.53	
18	11.67	12.79	12.58	12.66	12.08	12.02	11.85	11.71	11.63	11.54	12.34	12.29	
19	11.69	12.78	12.49	12.69	12.05	12.11	11.81	11.63	11.63	11.67	12.23	12.08	
20	11.86	12.61	12.37	12.73	12.03	12.27	11.98	11.70	11.64	11.84	12.03	12.16	
21	12.17	12.51	12.27	12.45	12.05	12.32	12.05	11.74	11.92	11.94	11.92	12.06	
22	12.26	12.48	12.22	12.33	12.04	12.25	11.80	11.60	12.31	11.94	11.87	11.96	
23	12.33	12.45	12.16	12.36	12.01	12.26	11.65	11.61	13.38	11.94	11.83	12.01	
24	12.93	12.43	12.00	12.36	12.01	12.19	11.72	11.58	15.15	11.93	11.85	11.83	
25	12.81	12.45	11.97	12.36	12.01	12.19	12.06	11.51	16.02	11.92	11.86	11.67	
26	12.45	12.47	11.95	12.47	12.03	12.29	11.86	11.42	15.62	11.91	11.83	11.88	
27	12.10	12.52	11.92	12.16	12.04	12.35	11.63	11.31	15.07	11.90	11.78	12.07	
28	12.39	12.52	11.88	12.16	12.05	12.25	11.67	11.37	14.31	11.89	11.74	12.22	
29	12.71	12.51	11.90	12.08	11.94	12.24	11.62	11.47	13.50	11.89		12.53	
30	12.40	12.52	11.83	12.00	11.38	12.26	11.80	11.54	12.90	11.96		12.45	
31		12.52		11.95	11.38		11.99		12.50	12.05		12.35	
MEAN	11.95	12.55	12.37	12.22	12.06	11.80	12.04	11.62	12.40	11.85	12.07	11.99	
MAX	12.93	13.00	12.68	12.73	12.49	12.35	13.46	12.17	16.02	12.67	12.41	12.53	16.02
MIN	11.53	12.14	11.83	11.82	11.38	11.28	11.62	11.31	11.33	11.44	11.74	11.62	11.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 16.08 M (MSL), AT 12.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION 9.60 M (MSL), RIVER BED 8.94 M (MSL)
LEFT BANK ELEVATION 12.93 M (MSL)
RIGHT BANK ELEVATION 16.38 M (MSL), DRAINAGE AREA 3295 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.20	153.00	165.00	100.80	126.00	64.60	125.10	128.70	72.60	167.00	108.90	104.40	
2	98.10	148.50	168.00	102.60	127.80	63.40	111.60	132.30	79.60	175.00	117.00	95.40	
3	96.30	153.00	172.00	108.00	126.90	59.80	100.80	90.00	64.60	179.00	131.40	99.00	
4	97.20	130.50	175.00	113.40	126.00	64.00	118.80	68.40	82.80	147.60	148.50	83.60	
5	92.70	130.50	177.00	118.80	126.90	69.80	139.50	76.40	78.00	121.50	153.90	86.00	
6	92.70	129.60	179.00	120.60	126.90	71.90	144.00	86.00	86.00	98.10	115.20	88.40	
7	89.20	135.00	180.00	122.40	126.90	69.10	146.70	108.00	78.80	87.60	99.00	103.50	
8	79.60	144.00	180.00	129.60	122.40	69.10	169.00	132.30	74.00	86.00	96.30	107.10	
9	77.20	166.00	167.00	135.90	124.20	80.40	231.80	118.80	70.50	85.20	108.90	114.30	
10	76.40	170.00	170.00	149.40	124.20	80.40	265.20	67.70	65.20	82.00	125.10	108.90	
11	79.60	184.00	153.00	155.70	125.10	78.80	164.00	69.10	62.80	81.20	135.00	102.60	
12	83.60	200.00	157.50	147.60	161.10	80.40	130.50	67.70	71.20	74.80	147.60	88.40	
13	86.80	212.00	159.30	134.10	158.40	80.40	102.60	70.50	99.90	75.60	149.40	92.70	
14	86.80	202.00	161.10	120.60	142.20	80.40	103.50	69.80	106.20	74.00	151.20	96.30	
15	92.70	209.00	165.00	118.80	136.80	69.80	97.20	68.40	105.30	78.00	146.70	128.70	
16	92.70	202.00	168.00	147.60	125.10	69.80	99.90	79.60	98.10	71.20	140.40	161.10	
17	85.20	188.00	169.00	158.40	126.90	81.20	108.90	87.60	90.00	69.80	144.00	165.00	
18	87.60	191.00	170.00	178.00	124.20	118.80	103.50	90.90	84.40	77.20	147.60	143.10	
19	89.20	190.00	161.10	181.00	121.50	126.90	99.90	84.40	84.40	87.60	137.70	124.20	
20	104.40	173.00	150.30	185.00	119.70	141.30	115.20	90.00	85.20	102.60	119.70	131.40	
21	132.30	163.00	141.30	157.50	121.50	145.80	121.50	93.60	109.80	111.60	109.80	122.40	
22	140.40	160.20	136.80	146.70	120.60	139.50	99.00	82.00	144.90	111.60	105.30	113.40	
23	146.70	157.50	131.40	149.40	117.90	140.40	86.00	82.80	255.60	111.60	101.70	117.90	
24	205.00	155.70	117.00	149.40	117.90	134.10	91.80	80.40	558.00	110.70	103.50	101.70	
25	193.00	157.50	114.30	149.40	117.90	134.10	122.40	74.80	911.20	109.80	104.40	87.60	
26	157.50	159.30	112.50	159.30	119.70	143.10	104.40	68.40	712.40	108.90	101.70	106.20	
27	126.00	164.00	109.80	131.40	120.60	148.50	84.40	61.60	536.50	108.00	97.20	123.30	
28	152.10	164.00	106.20	131.40	121.50	139.50	87.60	65.20	384.70	107.10	93.60	136.80	
29	183.00	163.00	108.00	124.20	111.60	138.60	83.60	71.90	270.00	107.10		165.00	
30	153.00	164.00	101.70	117.00	65.80	140.40	99.00	77.20	202.00	113.40		157.50	
31		164.00		112.50	65.80		116.10		162.00	121.50		148.50	
TOTAL	3383.20	5183.30	4526.30	4256.50	3800.00	3024.30	3773.50	2544.50	5886.70	3242.30	3440.70	3604.40	46665.70 CMSDAY
MEAN	112.77	167.20	150.88	137.31	122.58	100.81	121.73	84.82	189.89	104.59	122.88	116.27	127.85 CMS
MAX	205.00	212.00	180.00	185.00	161.10	148.50	265.20	132.30	911.20	179.00	153.90	165.00	911.20 CMS
MIN	76.40	129.60	101.70	100.80	65.80	59.80	83.60	61.60	62.80	69.80	93.60	83.60	59.80 CMS
RUNOFF	292.308	447.837	391.072	367.762	328.320	261.300	326.030	219.845	508.611	280.135	297.276	311.420	4031.917 MCM

MOMENTARY PEAK 950.80 CMS, AT 16.08 M (MSL), AT 12.00 HOURS, ON DEC 25, 1984

RUNOFF YIELD 38.80 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 288.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

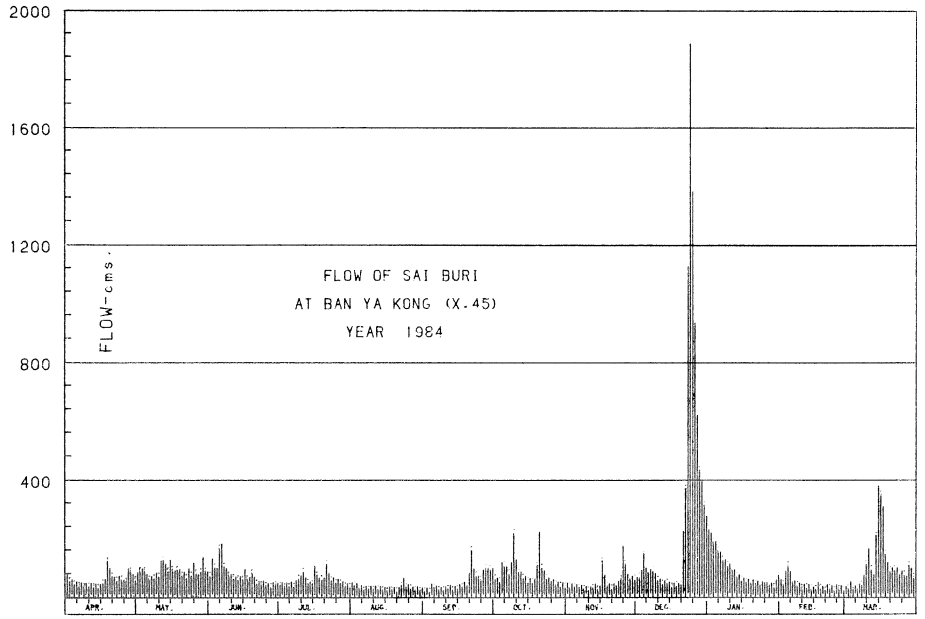
SAI BURI RIVER AT BAN YAKONG, NARATHIWAT (X.45)

LOCATION	LAT. 6-19-25 N., LONG. 100-30-31 E., ON RIGHT BANK ABOUT 7 KILOMETERS FROM AMPHOE RUSO, NARATHIWAT.
DRAINAGE AREA	1,483. SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE AUTOMATIC GAGE BUILDING.
ELEVATION	+8.486 M.(A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1982 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1982 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.01 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 134 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.51	1.57	1.58	1.24	1.22	1.01	1.50	1.22	1.41	2.72	1.34	1.06	
2	1.41	1.72	1.95	1.24	1.25	1.00	1.40	1.21	1.54	2.56	1.29	1.14	
3	1.34	1.68	1.81	1.20	1.20	1.00	1.41	1.18	1.63	2.44	1.61	1.25	
4	1.30	1.71	1.69	1.22	1.14	1.18	1.85	1.19	2.20	2.37	1.86	1.15	
5	1.26	1.52	2.29	1.19	1.11	1.17	1.86	1.15	1.69	2.23	1.59	1.08	
6	1.24	1.46	2.32	1.26	1.05	1.09	1.74	1.15	1.70	2.12	1.36	1.13	
7	1.22	1.46	1.83	1.21	1.08	1.06	1.65	1.11	1.65	2.01	1.29	1.16	
8	1.20	1.50	1.69	1.31	1.08	1.03	1.85	1.11	1.73	1.92	1.26	1.28	
9	1.20	1.56	1.58	1.50	1.08	1.07	2.64	1.07	1.55	1.86	1.21	1.48	
10	1.22	1.55	1.52	1.47	1.07	1.06	1.92	1.06	1.45	1.81	1.15	1.89	
11	1.20	1.89	1.51	1.69	1.09	1.12	1.66	1.05	1.36	1.77	1.15	2.20	
12	1.20	2.00	1.44	1.41	1.10	1.12	1.59	1.15	1.32	1.65	1.18	1.75	
13	1.18	1.81	1.47	1.35	1.08	1.07	1.52	1.17	1.30	1.57	1.15	1.50	
14	1.17	1.70	1.45	1.26	1.06	1.07	1.46	1.09	1.35	1.50	1.12	2.57	
15	1.16	1.91	1.46	1.31	1.03	1.10	1.39	1.08	1.25	1.44	1.03	3.50	
16	1.34	1.74	1.66	1.75	1.02	1.15	1.38	1.97	1.21	1.39	1.11	3.40	
17	1.36	1.62	1.47	1.58	1.05	1.19	1.38	1.49	1.21	1.37	1.23	3.11	
18	1.97	1.75	1.42	1.40	1.05	1.26	1.36	1.23	1.26	1.35	1.15	2.15	
19	1.69	1.66	1.65	1.47	1.02	1.28	1.84	1.18	1.20	1.34	1.07	1.85	
20	1.55	1.58	1.43	1.40	1.02	1.55	2.59	1.14	1.29	1.33	1.04	1.72	
21	1.43	1.58	1.33	1.90	1.03	2.25	1.80	1.18	2.60	1.30	1.14	1.70	
22	1.43	1.51	1.29	1.55	1.24	1.68	1.62	1.28	3.51	1.28	1.15	1.75	
23	1.46	1.68	1.27	1.44	1.39	1.59	1.51	1.28	6.36	1.26	1.09	1.70	
24	1.47	1.58	1.30	1.41	1.17	1.47	1.40	1.48	7.79	1.26	1.05	1.63	
25	1.33	1.84	1.24	1.34	1.15	1.46	1.43	2.27	6.95	1.37	1.15	1.61	
26	1.39	1.64	1.20	1.35	1.14	1.64	1.35	1.90	5.84	1.23	1.10	1.60	
27	1.68	1.51	1.20	1.33	1.05	1.79	1.29	1.52	4.65	1.25	1.09	1.45	
28	1.70	1.68	1.23	1.27	1.05	1.69	1.26	1.51	3.84	1.21	1.06	1.86	
29	1.52	1.98	1.27	1.22	1.06	1.78	1.24	1.46	3.58	1.18		1.69	
30	1.45	1.69	1.21	1.20	1.03	1.69	1.23	1.48	3.20	1.33		1.53	
31		1.59		1.20	1.01		1.21		2.92	1.56		1.43	
MEAN	1.39	1.67	1.53	1.38	1.10	1.32	1.59	1.31	2.60	1.64	1.22	1.75	
MAX	1.97	2.00	2.32	1.90	1.39	2.25	2.64	2.27	7.79	2.72	1.86	3.50	7.79
MIN	1.16	1.46	1.20	1.19	1.01	1.00	1.21	1.05	1.20	1.18	1.03	1.06	1.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.95 M (A.D), AT 12.00 HOURS, ON DEC 24, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -3.91 M (A.D)
LEFT BANK ELEVATION 7.00 M (A.D)
RIGHT BANK ELEVATION 8.68 M (A.D), DRAINAGE AREA 1483 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	79.2	86.4	87.6	52.6	50.8	33.8	78.0	50.8	69.0	245.2	62.0	37.8	
2	69.0	104.4	133.5	52.6	53.5	33.0	68.0	49.9	82.8	220.0	57.1	44.2	
3	62.0	99.6	115.3	49.0	49.0	33.0	69.0	47.4	93.6	202.0	91.2	53.5	
4	58.0	103.2	100.8	50.8	44.2	47.4	120.5	48.2	167.0	191.5	121.8	45.0	
5	54.4	80.4	179.6	48.2	41.8	46.6	121.8	45.0	100.8	171.2	88.8	39.4	
6	52.6	74.0	184.0	54.4	37.0	40.2	106.8	45.0	102.0	155.8	64.0	43.4	
7	50.8	74.0	117.9	49.9	39.4	37.8	96.0	41.8	96.0	141.3	57.1	45.8	
8	49.0	78.0	100.8	59.0	39.4	35.4	120.5	41.8	105.6	129.6	54.4	56.2	
9	49.0	85.2	87.6	78.0	39.4	38.6	232.4	38.6	84.0	121.8	49.9	76.0	
10	50.8	84.0	80.4	75.0	38.6	37.8	129.6	37.8	73.0	115.3	45.0	125.7	
11	49.0	125.7	79.2	100.8	40.2	42.6	97.2	37.0	64.0	110.4	45.0	167.0	
12	49.0	140.0	72.0	69.0	41.0	42.6	88.8	45.0	60.0	96.0	47.4	108.0	
13	47.4	115.3	75.0	63.0	39.4	38.6	80.4	46.6	58.0	86.4	45.0	78.0	
14	46.6	102.0	73.0	54.4	37.8	38.6	74.0	40.2	63.0	78.0	42.6	221.5	
15	45.8	128.3	74.0	59.0	35.4	41.0	67.0	39.4	53.5	72.0	35.4	381.0	
16	62.0	106.8	97.2	108.0	34.6	45.0	66.0	136.1	49.9	67.0	41.8	362.0	
17	64.0	92.4	75.0	87.6	37.0	48.2	66.0	77.0	49.9	65.0	51.7	309.8	
18	136.1	108.0	70.0	68.0	37.0	54.4	64.0	51.7	54.4	63.0	45.0	160.0	
19	100.8	97.2	96.0	75.0	34.6	56.2	119.2	47.4	49.0	62.0	38.6	120.5	
20	84.0	87.6	71.0	68.0	34.6	84.0	224.5	44.2	57.1	61.0	36.2	104.4	
21	71.0	87.6	61.0	127.0	35.4	174.0	114.0	47.4	226.0	58.0	44.2	102.0	
22	71.0	79.2	57.1	84.0	52.6	99.6	92.4	56.2	382.9	56.2	45.0	108.0	
23	74.0	99.6	55.3	72.0	67.0	88.8	79.2	56.2	1126.8	54.4	40.2	102.0	
24	75.0	87.6	58.0	69.0	46.6	75.0	68.0	76.0	1897.5	54.4	37.0	93.6	
25	61.0	119.2	52.6	62.0	45.0	74.0	71.0	176.8	1383.5	65.0	45.0	91.2	
26	67.0	94.8	49.0	63.0	44.2	94.8	63.0	127.0	946.4	51.7	41.0	90.0	
27	99.6	79.2	49.0	61.0	37.0	112.8	57.1	80.4	622.0	53.5	40.2	73.0	
28	102.0	99.6	51.7	55.3	37.0	100.8	54.4	79.2	445.6	49.9	37.8	121.8	
29	80.4	137.4	55.3	50.8	37.8	111.6	52.6	74.0	396.2	47.4		100.8	
30	73.0	100.8	49.9	49.0	35.4	100.8	51.7	76.0	326.0	61.0		81.6	
31		88.8		49.0	33.8		49.9		277.4	85.2		71.0	
TOTAL	2033.5	3046.3	2508.8	2064.4	1276.5	1907.0	2843.0	1860.1	9562.9	3091.2	1450.4	3614.2	35258.3 CMSDAY
MEAN	67.8	98.3	83.6	66.6	41.2	63.6	91.7	62.0	308.5	99.7	51.8	116.6	96.6 CMS
MAX	136.1	140.0	184.0	127.0	67.0	174.0	232.4	176.8	1897.5	245.2	121.8	381.0	1897.5 CMS
MIN	45.8	74.0	49.0	48.2	33.8	33.0	49.9	37.0	49.0	47.4	35.4	37.8	33.0 CMS
RUNOFF	175.69	263.20	216.76	178.36	110.29	164.76	245.64	160.71	826.23	267.08	125.31	312.27	3046.32 MCM

MOMENTARY PEAK 2032.50 CMS, AT 7.95 M (A.D), AT 12.00 HOURS, ON DEC 24, 1984
RUNOFF YIELD 65.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1370.53 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

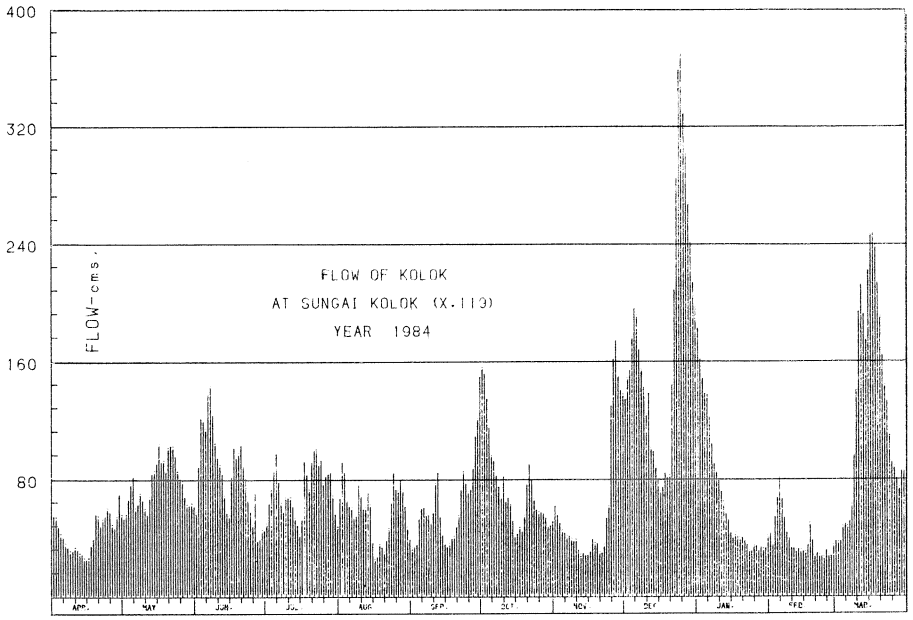
KOLOK RIVER AT SUNGAI KOLOK, NARATHIWAT (X.119)

LOCATION	LAT. 6-04-09 N., LONG. 102-02-22 E., ON LEFT BANK NEAR THE MUNO SCHOOL, TAMBON MUNO, AMPHOE SUNGAI KOLOK, NARATHIWAT.
DRAINAGE AREA	1,600 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	-0.150 M.(M.S.L.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK NEAR THE TOP STAFF GAGE.
ELEVATION	+4.866 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1980 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +5.00 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 159 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.24	2.20	2.31	2.13	2.51	1.71	4.13	2.40	3.77	4.54	1.95	1.82	
2	2.23	2.27	2.95	2.43	3.04	1.74	4.06	2.32	4.02	4.21	1.78	1.81	
3	2.06	2.49	3.58	2.67	2.87	1.82	3.81	2.13	4.10	4.03	2.23	1.82	
4	1.95	2.73	3.52	2.88	2.50	2.20	3.45	2.01	4.43	3.84	2.56	2.08	
5	1.88	2.81	3.44	3.15	2.39	2.39	3.11	1.96	4.70	3.85	2.81	2.11	
6	1.79	2.37	3.83	2.74	2.38	2.37	3.03	1.92	4.64	3.58	2.55	2.08	
7	1.71	2.42	3.93	2.45	2.21	2.28	2.87	1.91	4.30	3.30	2.22	2.16	
8	1.66	2.59	3.59	2.30	2.28	2.26	2.68	1.87	4.11	3.00	2.00	2.42	
9	1.65	2.48	3.27	2.53	2.70	2.16	2.55	1.82	3.91	2.90	1.87	3.10	
10	1.72	2.36	3.07	2.52	2.57	2.29	2.82	1.86	3.61	2.79	1.77	3.87	
11	1.67	2.26	2.98	2.53	2.35	2.73	2.49	1.67	3.84	2.64	1.70	4.67	
12	1.62	2.54	2.85	2.39	2.38	2.87	2.52	1.60	3.21	2.48	1.68	4.92	
13	1.59	2.85	2.56	2.22	2.60	2.26	2.42	1.61	3.16	2.32	1.69	4.65	
14	1.53	2.90	2.29	2.09	2.42	1.92	2.17	1.62	2.96	2.18	1.68	4.42	
15	1.49	2.99	2.26	1.94	1.80	1.80	1.94	1.58	2.77	2.01	1.64	5.01	
16	1.53	3.27	2.81	2.18	1.51	1.72	1.95	1.70	2.62	1.87	1.64	5.28	
17	1.74	3.01	3.25	3.05	1.55	1.79	2.06	1.85	2.67	1.97	1.76	5.28	
18	1.85	3.04	3.07	2.84	1.81	1.86	1.98	1.80	2.89	1.90	2.14	5.19	
19	2.27	2.88	3.14	2.64	1.72	1.91	2.26	1.78	2.80	1.88	1.83	4.92	
20	2.25	3.21	3.24	3.01	1.64	2.06	2.71	1.64	2.84	1.88	1.61	4.63	
21	2.07	3.23	2.98	3.20	1.83	2.26	3.02	1.62	3.94	1.86	1.61	4.25	
22	2.20	3.23	2.79	3.21	2.05	2.63	2.78	1.77	4.88	1.76	1.59	3.94	
23	2.24	3.09	2.51	3.00	2.44	2.89	2.51	2.21	5.59	1.67	1.55	3.75	
24	2.37	2.89	2.31	3.04	2.90	2.72	2.34	2.40	6.03	1.65	1.55	3.39	
25	2.30	2.78	2.11	2.74	2.64	2.62	2.31	3.70	6.08	1.75	1.66	3.01	
26	2.11	2.76	2.59	2.82	2.63	2.64	2.30	4.23	5.88	1.74	1.59	2.96	
27	2.04	2.53	1.86	2.89	2.77	2.95	2.32	4.39	5.71	1.70	1.58	2.79	
28	2.24	2.42	1.85	2.87	2.64	3.35	2.22	4.05	5.46	1.71	1.76	2.67	
29	2.57	2.40	2.02	2.56	2.39	3.56	2.09	3.88	5.21	1.69		2.89	
30	2.27	2.44	2.00	2.27	2.07	4.03	2.09	3.83	4.94	1.70		2.92	
31		2.39		2.07	1.85		2.22		4.74	1.92		2.76	
MEAN	1.96	2.70	2.83	2.62	2.30	2.39	2.62	2.30	4.19	2.46	1.86	3.47	
MAX	2.57	3.27	3.93	3.21	3.04	4.03	4.13	4.39	6.08	4.54	2.81	5.28	6.08
MIN	1.49	2.20	1.85	1.94	1.51	1.71	1.94	1.58	2.62	1.65	1.55	1.81	1.49

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.14 M (MSL), AT 2.00 HOURS, ON DEC 25, 1984
ZERO GAGE AT BOTTOM ELEVATION -0.15 M (MSL), RIVER BED -1.31 M (MSL)
LEFT BANK ELEVATION 4.99 M (MSL)
RIGHT BANK ELEVATION 5.52 M (MSL), DRAINAGE AREA 1600 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	54.80	53.00	57.95	50.20	66.95	33.40	156.10	62.00	134.20	184.80	43.00	37.80	
2	54.35	56.15	88.50	63.35	93.00	34.60	151.60	58.40	149.20	161.70	36.20	37.40	
3	47.40	66.05	122.80	74.50	84.50	37.80	136.60	50.20	154.00	149.80	54.35	37.80	
4	43.00	77.50	119.20	85.00	66.50	53.00	115.00	45.40	177.10	138.40	69.20	48.20	
5	40.20	81.50	114.40	98.50	61.55	61.55	96.50	43.40	196.00	139.00	81.50	49.40	
6	36.60	60.65	137.80	78.00	61.10	60.65	92.50	41.80	191.80	122.80	68.75	48.20	
7	33.40	62.90	143.80	64.25	53.45	56.60	84.50	41.40	168.00	106.00	53.90	51.40	
8	31.40	70.55	123.40	57.50	56.60	55.70	75.00	39.80	154.70	91.00	45.00	62.90	
9	31.00	65.60	104.50	67.85	76.00	51.40	68.75	37.80	142.60	86.00	39.80	96.00	
10	33.80	60.20	94.50	67.40	69.65	57.05	82.00	39.40	124.60	80.50	35.80	140.20	
11	31.80	55.70	90.00	67.85	59.75	77.50	66.05	31.80	138.40	73.00	33.00	193.90	
12	29.80	68.30	83.50	61.55	61.10	84.50	67.40	29.00	101.50	65.60	32.20	213.80	
13	28.65	83.50	69.20	53.90	71.00	55.70	62.90	29.40	99.00	58.40	32.60	192.50	
14	26.55	86.00	57.05	48.60	62.90	41.80	51.80	29.80	89.00	52.20	32.20	176.40	
15	25.15	90.50	55.70	42.60	37.00	37.00	42.60	28.30	79.50	45.40	30.60	221.90	
16	26.55	104.50	81.50	52.20	25.85	33.80	43.00	33.00	72.00	39.80	30.60	248.00	
17	34.60	91.50	103.50	93.50	27.25	36.60	47.40	39.00	74.50	43.80	35.40	248.00	
18	39.00	93.00	94.50	83.00	37.40	39.40	44.20	37.00	85.50	41.00	50.60	239.00	
19	56.15	85.00	98.00	73.00	33.80	41.40	55.70	36.20	81.00	40.20	38.20	213.80	
20	55.25	101.50	103.00	91.50	30.60	47.40	76.50	30.60	83.00	40.20	29.40	191.10	
21	47.80	102.50	90.00	101.00	38.20	55.70	92.00	29.80	144.40	39.40	29.40	164.50	
22	53.00	102.50	80.50	101.50	47.00	72.50	80.00	35.80	210.40	35.40	28.65	144.40	
23	54.80	95.50	66.95	91.00	63.80	85.50	66.95	53.45	284.70	31.80	27.25	133.00	
24	60.65	85.50	57.95	93.00	86.00	77.00	59.30	62.00	360.30	31.00	27.25	111.40	
25	57.50	80.00	49.40	78.00	73.00	72.00	57.95	130.00	370.80	35.00	31.40	91.50	
26	49.40	79.00	70.55	82.00	72.50	73.00	57.50	163.10	330.20	34.60	28.65	89.00	
27	46.60	67.85	39.40	85.50	79.50	88.50	58.40	174.30	301.95	33.00	28.30	80.50	
28	54.80	62.90	39.00	84.50	73.00	109.00	53.90	151.00	268.20	33.40	35.40	74.50	
29	69.65	62.00	45.80	69.20	61.55	121.60	48.60	140.80	241.00	32.60		85.50	
30	56.15	63.80	45.00	56.15	47.80	149.80	48.60	137.80	215.60	33.00		87.00	
31		61.55		47.80	39.00		53.90		199.20	41.80		79.00	
TOTAL	1309.80	2376.70	2527.35	2263.90	1817.30	1901.45	2293.20	1861.75	5422.35	2140.60	1108.60	3888.00	28911.00 CMSDAY
MEAN	43.66	76.67	84.24	73.03	58.62	63.38	73.97	62.06	174.91	69.05	39.59	125.42	79.21 CMS
MAX	69.65	104.50	143.80	101.50	93.00	149.80	156.10	174.30	370.80	184.80	81.50	248.00	370.80 CMS
MIN	25.15	53.00	39.00	42.60	25.85	33.40	42.60	28.30	72.00	31.00	27.25	37.40	25.15 CMS
RUNOFF	113.167	205.347	218.363	195.601	157.015	164.285	198.132	160.855	468.491	184.948	95.783	335.923	2497.910 MCM

MOMENTARY PEAK 385.00 CMS, AT 6.14 M (MSL), AT 2.00 HOURS, ON DEC 25, 1984
RUNOFF YIELD 49.51 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 240.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

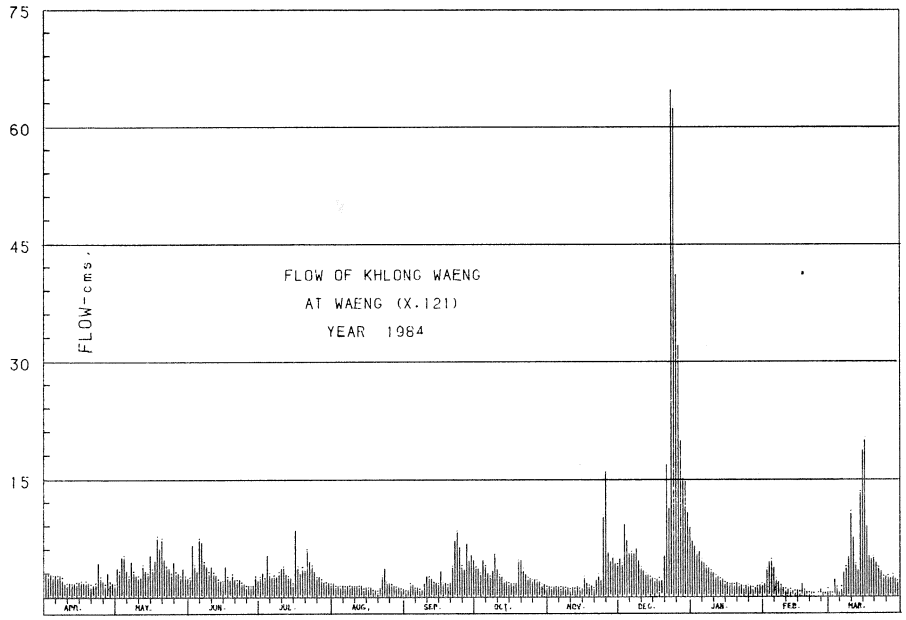
KHLONG WAENG AT WAENG, NARATHIWAT (X.121)

LOCATION	LAT. 5-55-26 N., LONG. 101-53-14 E., ON RIGHT BANK AT THE BRIDGE OF SUNGAI KOLOK -MALASIA HIGHWAY, AMPHOE WAENG, NARATHIWAT.
DRAINAGE AREA	43 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+15.853 M.(M.S.L.)
BENCH MARK	B.M-H.D.
LOCATION	ON RIGHT BANK AT ABUTMENT OF THE BRIDGE.
ELEVATION	+20.347 M.(M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1981 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1981 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +20.20 M.(M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 136 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	17.73	17.80	17.67	17.68	17.56	17.43	17.82	17.50	17.93	18.18	17.54	17.37	
2	17.71	17.76	18.10	17.73	17.52	17.42	17.79	17.49	17.87	18.09	17.80	17.36	
3	17.71	17.95	17.85	17.66	17.51	17.57	17.73	17.49	18.32	18.02	17.88	17.62	
4	17.70	17.98	17.75	17.98	17.52	17.53	17.91	17.50	18.18	18.02	17.93	17.49	
5	17.70	17.76	18.18	17.73	17.52	17.48	17.84	17.49	18.00	17.93	17.80	17.35	
6	17.70	17.69	18.13	17.66	17.51	17.48	17.73	17.50	18.03	17.87	17.65	17.50	
7	17.70	17.89	17.89	17.70	17.51	17.46	17.69	17.49	18.00	17.83	17.58	17.73	
8	17.67	17.76	17.82	17.67	17.52	17.42	17.76	17.49	18.09	17.80	17.53	17.82	
9	17.55	17.69	17.75	17.75	17.51	17.55	18.00	17.47	17.90	17.77	17.46	17.95	
10	17.57	17.69	17.82	17.79	17.51	17.68	17.78	17.46	17.82	17.73	17.46	18.44	
11	17.57	17.66	17.74	17.83	17.51	17.68	17.71	17.48	17.76	17.70	17.43	18.18	
12	17.56	17.85	17.70	17.71	17.52	17.64	17.67	17.47	17.73	17.67	17.45	17.86	
13	17.56	17.76	17.64	17.69	17.49	17.59	17.62	17.50	17.70	17.65	17.40	17.76	
14	17.59	17.73	17.61	17.65	17.47	17.57	17.60	17.47	17.68	17.63	17.42	18.62	
15	17.59	17.98	17.61	17.57	17.48	17.57	17.58	17.45	17.65	17.59	17.41	18.98	
16	17.61	17.79	17.82	18.26	17.48	17.76	17.56	17.69	17.64	17.57	17.41	19.08	
17	17.57	17.90	17.68	17.83	17.48	17.59	17.56	17.56	17.63	17.55	17.54	18.30	
18	17.61	18.20	17.62	17.72	17.44	17.57	17.56	17.53	17.66	17.55	17.43	18.00	
19	17.57	18.06	17.72	17.82	17.42	17.54	17.92	17.51	17.61	17.55	17.38	17.92	
20	17.55	18.18	17.63	17.77	17.42	17.57	17.91	17.48	18.00	17.57	17.37	17.97	
21	17.52	17.92	17.63	18.06	17.47	17.83	17.80	17.62	18.86	17.54	17.36	17.87	
22	17.58	17.83	17.63	17.89	17.70	18.15	17.71	17.72	18.49	17.52	17.35	17.81	
23	17.87	17.80	17.59	17.84	17.79	18.26	17.67	17.61	20.44	17.50	17.33	17.75	
24	17.68	17.73	17.55	17.75	17.60	18.08	17.65	18.41	20.41	17.51	17.36	17.68	
25	17.60	17.88	17.52	17.67	17.56	17.84	17.63	18.80	19.96	17.53	17.43	17.67	
26	17.55	17.75	17.52	17.67	17.55	17.77	17.63	18.04	19.68	17.50	17.35	17.69	
27	17.73	17.73	17.52	17.64	17.51	18.14	17.63	17.89	19.06	17.49	17.35	17.64	
28	17.60	17.69	17.52	17.58	17.50	17.90	17.59	17.99	18.74	17.47	17.46	17.71	
29	17.57	17.79	17.69	17.59	17.48	18.02	17.55	17.86	18.71	17.51		17.63	
30	17.55	17.69	17.61	17.57	17.47	17.91	17.54	17.86	18.46	17.52		17.61	
31		17.65		17.56	17.45		17.51		18.29	17.56		17.59	
MEAN	17.63	17.82	17.72	17.74	17.52	17.70	17.70	17.66	18.33	17.67	17.50	17.87	
MAX	17.87	18.20	18.18	18.26	17.79	18.26	18.00	18.80	20.44	18.18	17.93	19.08	20.44
MIN	17.52	17.65	17.52	17.56	17.42	17.42	17.51	17.45	17.61	17.47	17.33	17.35	17.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 20.73 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 15.85 M (MSL), RIVER BED 16.88 M (MSL)
LEFT BANK ELEVATION 20.19 M (MSL)
RIGHT BANK ELEVATION 20.43 M (MSL), DRAINAGE AREA 43 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.07	3.70	2.56	2.64	1.74	0.90	3.88	1.35	4.87	7.56	1.61	0.58	
2	2.89	3.34	6.60	3.07	1.48	0.83	3.61	1.28	4.33	6.49	3.70	0.54	
3	2.89	5.05	4.15	2.48	1.42	1.80	3.07	1.28	9.28	5.72	4.42	2.16	
4	2.80	5.32	3.25	5.32	1.48	1.55	4.69	1.35	7.56	5.72	4.87	1.28	
5	2.80	3.34	7.56	3.07	1.48	1.22	4.06	1.28	5.50	4.87	3.70	0.50	
6	2.80	2.72	6.96	2.48	1.42	1.22	3.07	1.35	5.83	4.33	2.40	1.35	
7	2.80	4.51	4.51	2.80	1.42	1.09	2.72	1.28	5.50	3.97	1.87	3.07	
8	2.56	3.34	3.88	2.56	1.48	0.83	3.34	1.28	6.49	3.70	1.55	3.88	
9	1.68	2.72	3.25	3.25	1.42	1.68	5.50	1.16	4.60	3.43	1.09	5.05	
10	1.80	2.72	3.88	3.61	1.42	2.64	3.52	1.09	3.88	3.07	1.09	10.96	
11	1.80	2.48	3.16	3.97	1.42	2.64	2.89	1.22	3.34	2.80	0.90	7.56	
12	1.74	4.15	2.80	2.89	1.48	2.32	2.56	1.16	3.07	2.56	1.03	4.24	
13	1.74	3.34	2.32	2.72	1.28	1.93	2.16	1.35	2.80	2.40	0.70	3.34	
14	1.93	3.07	2.08	2.40	1.16	1.80	2.00	1.16	2.64	2.24	0.83	13.48	
15	1.93	5.32	2.08	1.80	1.22	1.80	1.87	1.03	2.40	1.93	0.77	18.70	
16	2.08	3.61	3.88	8.52	1.22	3.34	1.74	2.72	2.32	1.80	0.77	20.36	
17	1.80	4.60	2.64	3.97	1.22	1.93	1.74	1.74	2.24	1.68	1.61	9.00	
18	2.08	7.80	2.16	2.98	0.96	1.80	1.74	1.55	2.48	1.68	0.90	5.50	
19	1.80	6.16	2.98	3.88	0.83	1.61	4.78	1.42	2.08	1.68	0.62	4.78	
20	1.68	7.56	2.24	3.43	0.83	1.80	4.69	1.22	5.50	1.80	0.58	5.23	
21	1.48	4.78	2.24	6.16	1.16	3.97	3.70	2.16	16.90	1.61	0.54	4.33	
22	1.87	3.97	2.24	4.51	2.80	7.20	2.89	2.98	11.66	1.48	0.50	3.79	
23	4.33	3.70	1.93	4.06	3.61	8.52	2.56	2.08	64.84	1.35	0.42	3.25	
24	2.64	3.07	1.68	3.25	2.00	6.38	2.40	10.54	62.71	1.42	0.54	2.64	
25	2.00	4.42	1.48	2.56	1.74	4.06	2.24	16.00	41.18	1.55	0.90	2.56	
26	1.68	3.25	1.48	2.56	1.68	3.43	2.24	5.94	32.50	1.35	0.50	2.72	
27	3.07	3.07	1.48	2.32	1.42	7.08	2.24	4.51	20.02	1.28	0.50	2.32	
28	2.00	2.72	1.48	1.87	1.35	4.60	1.93	5.41	15.16	1.16	1.09	2.89	
29	1.80	3.61	2.72	1.93	1.22	5.72	1.68	4.24	14.74	1.42		2.24	
30	1.68	2.72	2.08	1.80	1.16	4.69	1.61	4.24	11.24	1.48		2.08	
31		2.40		1.74	1.03		1.42		8.88	1.74		1.93	
TOTAL	67.22	122.56	91.75	100.60	45.55	90.38	88.54	85.37	386.54	85.27	40.00	152.31	1356.09 CMSDAY
MEAN	2.24	3.95	3.06	3.25	1.47	3.01	2.86	2.85	12.47	2.75	1.43	4.91	3.72 CMS
MAX	4.33	7.80	7.56	8.52	3.61	8.52	5.50	16.00	64.84	7.56	4.87	20.36	64.84 CMS
MIN	1.48	2.40	1.48	1.74	0.83	0.83	1.42	1.03	2.08	1.16	0.42	0.50	0.42 CMS
RUNOFF	5.808	10.589	7.927	8.692	3.936	7.809	7.650	7.376	33.397	7.367	3.456	13.160	117.166 MCM

MOMENTARY PEAK 91.70 CMS, AT 20.73 M (MSL), AT 18.00 HOURS, ON DEC 23, 1984
RUNOFF YIELD 86.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 2132.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

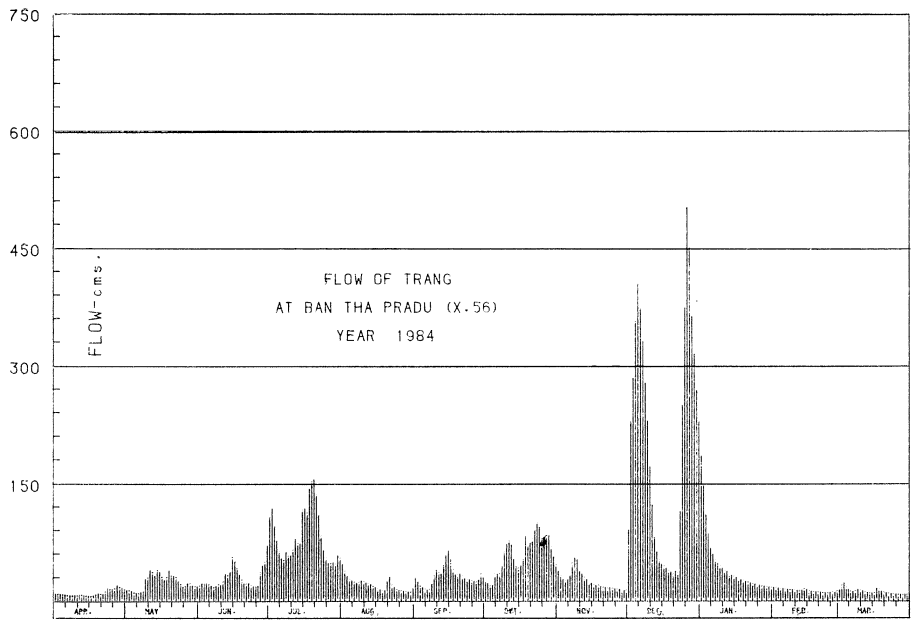
TRANG RIVER AT BAN THA PRADU, TRANG (X.56)

LOCATION	LAT. 7-46-01 N., LONG. 99-32-25 E., ON LEFT BANK ABOUT 200 METERS FROM HUAI YOT-KRABI HIGHWAY, AND ABOUT 16 KILOMETERS FROM AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	1,801 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON LEFT BANK ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.690 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1969, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1969, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 120 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	1.65	1.94	4.86	3.06	2.48	2.28	2.72	4.45	6.72	1.82	1.65	
2	1.41	1.65	2.08	5.15	2.72	2.17	2.10	2.50	7.41	5.87	1.80	1.97	
3	1.39	1.60	2.06	4.64	2.48	1.92	1.94	2.29	7.86	5.03	1.78	2.10	
4	1.35	1.52	2.08	4.05	2.31	1.83	1.97	2.25	8.37	4.31	1.77	1.84	
5	1.32	1.48	2.02	3.61	2.24	1.74	2.59	2.31	8.60	3.83	1.75	1.69	
6	1.30	1.45	1.94	3.30	2.17	1.68	2.58	2.66	8.46	3.48	1.72	1.59	
7	1.28	1.52	1.84	3.23	2.12	1.72	2.59	3.13	8.20	3.25	1.70	1.56	
8	1.27	1.57	1.92	3.58	2.16	2.04	2.97	3.46	7.84	3.10	1.68	1.62	
9	1.28	2.32	2.04	3.41	2.24	2.48	3.59	3.26	7.39	2.98	1.68	1.69	
10	1.29	2.39	1.98	3.43	2.18	2.79	3.92	2.87	6.48	2.87	1.66	1.65	
11	1.33	2.77	2.20	3.67	2.14	2.65	4.12	2.59	5.26	2.75	1.63	1.61	
12	1.33	2.67	2.57	4.11	2.10	2.58	3.88	2.41	4.25	2.72	1.62	1.54	
13	1.29	2.48	2.51	3.95	2.04	3.02	3.36	2.30	3.58	2.61	1.64	1.49	
14	1.26	2.78	2.69	3.94	1.92	3.43	2.98	2.19	3.25	2.52	1.75	1.45	
15	1.23	2.68	3.37	5.11	1.84	3.74	2.87	2.10	3.06	2.47	1.69	1.44	
16	1.22	2.43	3.18	5.15	1.76	3.26	3.00	1.99	2.98	2.40	1.61	1.50	
17	1.24	2.26	2.85	5.01	1.71	2.81	3.34	1.97	2.87	2.33	1.57	1.75	
18	1.35	2.41	2.53	5.78	1.64	2.54	4.21	1.98	2.75	2.29	1.55	1.72	
19	1.44	2.75	2.28	6.00	1.64	2.55	3.87	1.91	2.67	2.25	1.54	1.58	
20	1.40	2.49	2.09	6.05	2.38	2.60	3.97	1.86	2.58	2.20	1.52	1.52	
21	1.37	2.50	2.07	5.61	2.43	2.49	4.13	1.82	2.74	2.15	1.51	1.48	
22	1.58	2.41	2.10	4.93	2.01	2.34	4.44	1.81	2.63	2.12	1.50	1.44	
23	1.77	2.20	1.97	4.23	1.84	2.30	4.77	1.83	5.06	2.08	1.48	1.41	
24	1.73	2.04	1.90	3.64	1.71	2.30	4.55	1.79	7.57	2.04	1.47	1.38	
25	1.73	1.87	1.88	3.32	1.66	2.23	4.11	1.74	8.45	1.99	1.50	1.36	
26	1.80	1.92	1.94	3.10	1.64	2.21	4.17	1.72	9.02	1.99	1.55	1.34	
27	1.98	2.08	2.66	3.09	1.61	2.18	4.24	1.71	8.80	1.91	1.50	1.33	
28	1.86	2.08	3.01	3.14	1.58	2.28	4.25	1.66	8.41	1.91	1.61	1.33	
29	1.81	1.94	3.16	3.07	1.56	2.59	3.81	1.63	8.09	1.89		1.34	
30	1.72	1.91	3.86	3.43	1.54	2.40	3.37	1.65	7.76	1.86		1.36	
31		1.91		3.32	1.76		3.04		7.34	1.83		1.36	
MEAN	1.46	2.12	2.36	4.16	2.01	2.44	3.45	2.20	5.94	2.83	1.63	1.55	
MAX	1.98	2.78	3.86	6.05	3.06	3.74	4.77	3.46	9.02	6.72	1.82	2.10	9.02
MIN	1.22	1.45	1.84	3.07	1.54	1.68	1.94	1.63	2.58	1.83	1.47	1.33	1.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.03 M (A.D), AT 11.00 HOURS, ON DEC 26, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.01 M (A.D)
LEFT BANK ELEVATION 11.78 M (A.D)
RIGHT BANK ELEVATION 11.89 M (A.D), DRAINAGE AREA 1801 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.50	14.00	19.80	106.90	47.30	32.50	27.50	38.50	91.25	188.70	17.40	14.00	
2	9.65	14.00	22.60	118.50	38.50	24.75	23.00	33.00	231.60	147.56	17.00	20.40	
3	9.35	13.00	22.20	98.10	32.50	19.40	19.80	27.75	284.70	113.70	16.60	23.00	
4	8.75	11.40	22.60	77.25	28.25	17.60	20.40	26.75	359.90	86.35	16.40	17.80	
5	8.30	10.70	21.40	63.80	26.50	15.80	35.25	28.25	405.00	70.40	16.00	14.80	
6	8.00	10.25	19.80	54.50	24.75	14.60	35.00	37.00	376.40	59.90	15.40	12.80	
7	7.70	11.40	17.80	52.40	23.50	15.40	35.25	49.40	331.50	53.00	15.00	12.20	
8	7.55	12.40	19.40	62.90	24.50	21.80	44.75	59.30	282.30	48.50	14.60	13.40	
9	7.70	28.50	21.80	57.80	26.50	32.50	63.20	53.30	229.85	45.00	14.60	14.80	
10	7.85	30.25	20.60	58.40	25.00	40.25	73.10	42.25	176.28	42.25	14.20	14.00	
11	8.45	39.75	25.50	65.60	24.00	36.75	79.70	35.25	122.90	39.25	13.60	13.20	
12	8.45	37.25	34.75	79.35	23.00	35.00	71.90	30.75	84.25	38.50	13.40	11.80	
13	7.85	32.50	33.25	74.00	21.80	46.10	56.30	28.00	62.90	35.75	13.80	10.85	
14	7.40	40.00	37.75	73.70	19.40	58.40	45.00	25.25	53.00	33.50	16.00	10.25	
15	6.95	37.50	56.60	116.30	17.80	67.70	42.25	23.00	47.30	32.25	14.80	10.10	
16	6.80	31.25	50.90	118.50	16.20	53.30	45.50	20.80	45.00	30.50	13.20	11.00	
17	7.10	27.00	41.75	112.90	15.20	40.75	55.70	20.40	42.25	28.75	12.40	16.00	
18	8.75	30.75	33.75	143.70	13.80	34.00	82.85	20.60	39.25	27.75	12.00	15.40	
19	10.10	39.25	27.50	153.25	13.80	34.25	71.60	19.20	37.25	26.75	11.80	12.60	
20	9.50	32.75	22.80	155.44	30.00	35.50	74.60	18.20	35.00	25.50	11.40	11.40	
21	9.05	33.00	22.40	136.90	31.25	32.75	80.05	17.40	39.00	24.25	11.20	10.70	
22	12.60	30.75	23.00	109.70	21.20	29.00	90.90	17.20	36.25	23.50	11.00	10.10	
23	16.40	25.50	20.40	83.55	17.80	28.00	103.30	17.60	114.90	22.60	10.70	9.65	
24	15.60	21.80	19.00	64.70	15.20	28.00	94.75	16.80	252.65	21.80	10.55	9.20	
25	15.60	18.40	18.60	55.10	14.20	26.25	79.35	15.80	374.50	20.80	11.00	8.90	
26	17.00	19.40	19.80	48.50	13.80	25.75	81.45	15.40	505.20	20.80	12.00	8.60	
27	20.60	22.60	37.00	48.20	13.20	25.00	83.90	15.20	451.00	19.20	11.00	8.45	
28	18.20	22.60	45.80	49.70	12.60	27.50	84.25	14.20	366.90	19.20	13.20	8.45	
29	17.20	19.80	50.30	47.60	12.20	35.25	69.80	13.60	315.55	18.80		8.60	
30	15.40	19.20	71.30	58.40	11.80	30.50	56.60	14.00	273.10	18.20		8.90	
31		19.20		55.10	16.20		46.70		229.10	17.60		8.90	
TOTAL	323.35	756.15	900.15	2601.34	671.75	964.35	1873.70	794.15	6296.03	1400.61	380.25	380.25	17342.08 CMSDAY
MEAN	10.78	24.39	30.01	83.91	21.67	32.15	60.44	26.47	203.10	45.18	13.58	12.27	47.51 CMS
MAX	20.60	40.00	71.30	155.44	47.30	67.70	103.30	59.30	505.20	188.70	17.40	23.00	505.20 CMS
MIN	6.80	10.25	17.80	47.60	11.80	14.60	19.80	13.60	35.00	17.60	10.55	8.45	6.80 CMS
RUNOFF	27.937	65.331	77.773	224.756	58.039	83.320	161.888	68.615	543.977	121.013	32.854	32.854	1498.356 MCM

MOMENTARY PEAK 507.80 CMS, AT 9.03 M (A.D), AT 11.00 HOURS, ON DEC 26, 1984

RUNOFF YIELD 26.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 281.95 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

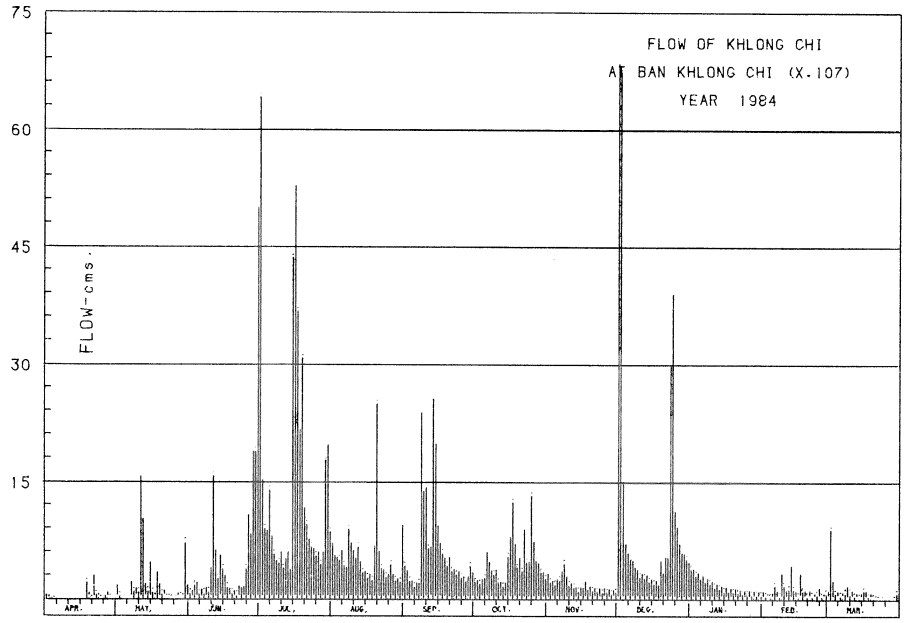
KHLONG CHI AT BAN KHLONG CHI, TRANG (X.107)

LOCATION	LAT. 7-44-08 N., LONG. 99-24-42 E., ON RIGHT BANK DOWNSTREAM FROM THE BRIDGE OF KRABI-TRANG HIGHWAY, BAN KHLONG CHI, AMPHOE SIKAO, TRANG.
DRAINAGE AREA	248 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 2.5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.020 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 50 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.31	0.52	0.45	3.87	1.05	0.83	0.62	0.69	4.01	0.80	0.40	0.41	
2	0.28	0.37	0.41	1.59	0.96	0.73	0.60	0.62	3.98	0.75	0.39	1.21	
3	0.26	0.30	0.58	1.22	0.89	0.64	0.60	0.59	1.58	0.72	0.36	0.59	
4	0.23	0.30	0.56	1.17	0.91	0.59	0.61	0.59	1.08	0.70	0.36	0.44	
5	0.22	0.28	0.42	1.54	0.97	0.56	0.68	0.61	0.94	0.68	0.36	0.41	
6	0.23	0.26	0.44	1.12	0.84	0.56	0.95	0.65	0.92	0.66	0.57	0.40	
7	0.23	0.57	0.46	0.97	0.77	0.61	0.88	0.72	0.85	0.63	0.41	0.38	
8	0.22	0.47	0.48	0.85	1.22	2.09	0.73	0.86	0.83	0.62	0.39	0.47	
9	0.23	0.47	0.48	0.87	1.05	1.53	0.73	0.65	0.74	0.60	0.69	0.51	
10	0.25	0.47	0.76	0.95	1.02	1.53	0.74	0.58	0.70	0.58	0.57	0.47	
11	0.25	1.62	1.65	0.80	0.88	1.03	0.62	0.55	0.69	0.56	0.42	0.42	
12	0.25	1.31	0.97	0.87	1.05	1.01	0.57	0.55	0.69	0.54	0.52	0.38	
13	0.24	0.54	0.67	0.99	0.84	2.20	0.56	0.49	0.67	0.53	0.79	0.36	
14	0.22	0.49	0.91	0.74	0.75	1.87	0.56	0.49	0.63	0.51	0.51	0.35	
15	0.21	0.83	0.80	3.06	0.72	1.25	0.94	0.49	0.61	0.49	0.41	0.36	
16	0.21	0.46	0.66	3.42	0.69	1.05	1.11	0.55	0.60	0.49	0.38	0.50	
17	0.25	0.35	0.55	2.76	0.68	0.98	1.44	0.58	0.59	0.48	0.69	0.41	
18	0.61	0.76	0.46	1.97	0.65	0.88	1.04	0.52	0.60	0.47	0.49	0.36	
19	0.36	0.54	0.46	2.46	1.02	0.84	0.81	0.51	0.85	0.47	0.42	0.36	
20	0.28	0.43	0.41	1.37	2.17	0.89	0.88	0.50	0.75	0.46	0.38	0.34	
21	0.66	0.42	0.41	1.26	0.96	0.77	0.76	0.48	0.89	0.46	0.42	0.31	
22	0.41	0.32	0.51	1.09	0.80	0.75	1.18	0.48	0.93	0.43	0.39	0.30	
23	0.33	0.32	0.55	1.05	0.74	0.73	0.87	0.47	2.39	0.43	0.35	0.29	
24	0.28	0.30	0.50	0.99	0.70	0.72	0.84	0.45	2.86	0.42	0.42	0.28	
25	0.26	0.30	0.80	0.95	0.68	0.69	1.49	0.48	1.34	0.42	0.48	0.28	
26	0.38	0.28	1.31	0.95	0.85	0.65	1.06	0.46	1.24	0.42	0.37	0.27	
27	0.37	0.35	1.17	0.85	0.68	0.64	0.89	0.45	1.04	0.42	0.35	0.27	
28	0.31	0.37	1.81	0.95	0.65	0.65	0.82	0.44	0.98	0.41	0.45	0.26	
29	0.27	0.33	1.84	1.77	0.62	0.83	0.75	0.43	0.93	0.41		0.30	
30	0.32	1.10	3.31	1.86	0.63	0.71	0.71	0.47	0.91	0.40		0.44	
31		0.52		1.19	1.22		0.67		0.83	0.40		0.34	
MEAN	0.30	0.51	0.83	1.47	0.89	0.96	0.83	0.55	1.18	0.53	0.46	0.40	
MAX	0.66	1.62	3.31	3.87	2.17	2.20	1.49	0.86	4.01	0.80	0.79	1.21	4.01
MIN	0.21	0.26	0.41	0.74	0.62	0.56	0.56	0.43	0.59	0.40	0.35	0.26	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.73 M (A.D), AT 6.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 6.24 M (A.D)
RIGHT BANK ELEVATION 7.48 M (A.D), DRAINAGE AREA 248 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	1.78	1.30	64.59	7.20	4.73	2.68	3.31	68.48	4.40	1.00	1.06	
2	0.44	0.85	1.06	15.24	6.16	3.70	2.50	2.68	67.64	3.90	0.95	9.34	
3	0.38	0.50	2.32	9.48	5.39	2.86	2.50	2.41	15.08	3.60	0.80	2.41	
4	0.29	0.50	2.14	8.78	5.61	2.41	2.59	2.41	7.56	3.40	0.80	1.24	
5	0.26	0.44	1.12	14.44	6.27	2.14	3.22	2.59	5.94	3.22	0.80	1.06	
6	0.29	0.38	1.24	8.08	4.84	2.14	6.05	2.95	5.72	3.04	2.23	1.00	
7	0.29	2.23	1.36	6.27	4.10	2.59	5.28	3.60	4.95	2.77	1.06	0.90	
8	0.26	1.42	1.48	4.95	9.48	23.82	3.70	5.06	4.73	2.68	0.95	1.42	
9	0.29	1.42	1.48	5.17	7.20	14.28	3.70	2.95	3.80	2.50	3.31	1.69	
10	0.35	1.42	4.00	6.05	6.84	14.28	3.80	2.32	3.40	2.32	2.23	1.42	
11	0.35	15.72	16.20	4.40	5.28	6.96	2.68	2.05	3.31	2.14	1.12	1.12	
12	0.35	10.76	6.27	5.17	7.20	6.72	2.23	2.05	3.31	1.96	1.78	0.90	
13	0.32	1.96	3.13	6.49	4.84	26.00	2.14	1.54	3.13	1.87	4.30	0.80	
14	0.26	1.54	5.61	3.80	3.90	19.89	2.14	1.54	2.77	1.69	1.69	0.75	
15	0.23	4.73	4.40	44.04	3.60	9.90	5.94	1.54	2.59	1.54	1.06	0.80	
16	0.23	1.36	3.04	52.80	3.31	7.20	7.94	2.05	2.50	1.54	0.90	1.60	
17	0.35	0.75	2.05	37.20	3.22	6.38	12.84	2.32	2.41	1.48	3.31	1.06	
18	2.59	4.00	1.36	21.66	2.95	5.28	7.08	1.78	2.50	1.42	1.54	0.80	
19	0.80	1.96	1.36	31.20	6.84	4.84	4.51	1.69	4.95	1.42	1.12	0.80	
20	0.44	1.18	1.06	11.72	25.40	5.39	5.28	1.60	3.90	1.36	0.90	0.70	
21	3.04	1.12	1.06	10.04	6.16	4.10	4.00	1.48	5.39	1.36	1.12	0.55	
22	1.06	0.60	1.69	7.68	4.40	3.90	8.92	1.48	5.83	1.18	0.95	0.50	
23	0.65	0.60	2.05	7.20	3.80	3.70	5.17	1.42	29.80	1.18	0.75	0.47	
24	0.44	0.50	1.60	6.49	3.40	3.60	4.84	1.30	39.38	1.12	1.12	0.44	
25	0.38	0.50	4.40	6.05	3.22	3.31	13.64	1.48	11.24	1.12	1.48	0.44	
26	0.90	0.44	10.76	6.05	4.95	2.95	7.32	1.36	9.76	1.12	0.85	0.41	
27	0.85	0.75	8.78	4.95	3.22	2.86	5.39	1.30	7.08	1.12	0.75	0.41	
28	0.55	0.85	18.87	6.05	2.95	2.95	4.62	1.24	6.38	1.06	1.30	0.38	
29	0.41	0.65	19.38	18.19	2.68	4.73	3.90	1.18	5.83	1.06		0.50	
30	0.60	7.80	50.05	19.72	2.77	3.50	3.50	1.42	5.61	1.00		1.24	
31		1.78		9.06	9.48		3.13		4.73	1.00		0.70	
TOTAL	18.20	70.49	180.62	463.01	176.66	207.11	153.23	62.10	349.70	60.57	40.17	36.91	1818.77 CMSDAY
MEAN	0.61	2.27	6.02	14.94	5.70	6.90	4.94	2.07	11.28	1.95	1.43	1.19	4.98 CMS
MAX	3.04	15.72	50.05	64.59	25.40	26.00	13.64	5.06	68.48	4.40	4.30	9.34	68.48 CMS
MIN	0.23	0.38	1.06	3.80	2.68	2.14	2.14	1.18	2.41	1.00	0.75	0.38	0.23 CMS
RUNOFF	1.572	6.090	15.606	40.004	15.263	17.894	13.239	5.365	30.214	5.233	3.471	3.189	157.142 MCM

MOMENTARY PEAK 89.30 CMS, AT 4.73 M (A.D), AT 6.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 20.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 360.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

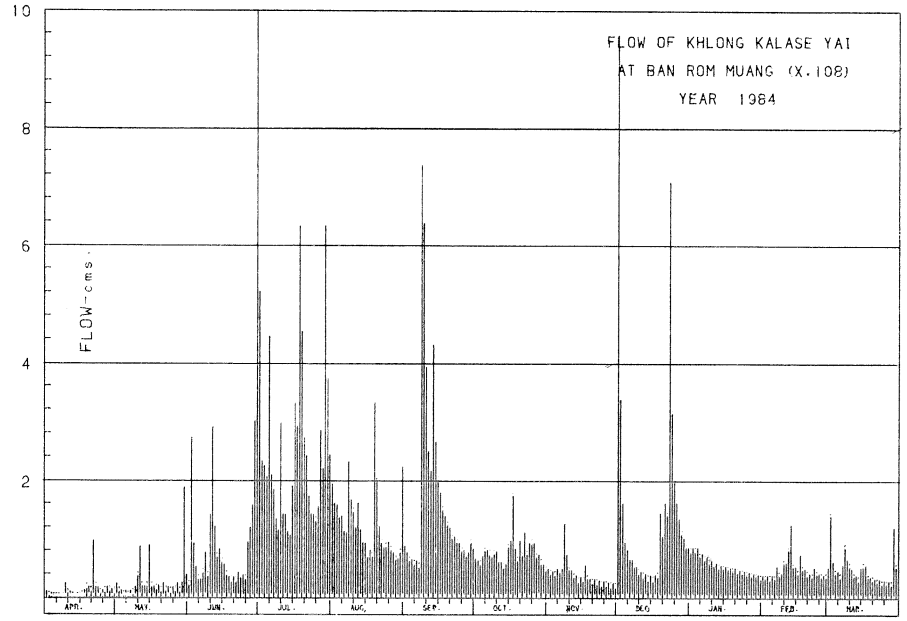
KHLONG KALASE YAI AT BAN ROM MUANG, TRANG (X.108)

LOCATION	LAT. 7-44-03 N., LONG. 99-20-00 E., ON RIGHT BANG AT BAN ROM MUANG, AMPHOE SIKAO, TANG.
DRAINAGE AREA	57 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.771 M.(A.D.).
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 58 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.68	0.79	0.82	2.42	1.55	1.17	1.06	0.95	3.17	1.13	0.89	0.96	
2	0.67	0.74	1.78	1.67	1.46	1.09	1.02	0.94	1.98	1.13	0.89	1.38	
3	0.66	0.71	1.20	1.67	1.43	1.05	1.02	0.93	1.44	1.13	0.89	1.01	
4	0.65	0.70	0.97	1.59	1.37	1.03	1.06	0.93	1.21	1.13	0.89	0.94	
5	0.65	0.70	0.89	2.25	1.36	1.02	1.13	0.95	1.11	1.08	0.89	0.93	
6	0.65	0.69	0.84	1.60	1.28	1.02	1.11	0.96	1.07	1.08	0.89	0.91	
7	0.65	0.70	0.95	1.54	1.25	1.00	1.11	0.95	1.03	1.06	0.97	0.98	
8	0.64	0.72	1.09	1.34	1.68	2.83	1.05	1.33	1.00	1.05	0.92	1.16	
9	0.79	0.75	0.92	1.29	1.46	2.66	1.11	1.07	0.97	1.03	0.91	1.03	
10	0.72	0.92	1.37	1.85	1.41	2.11	1.10	0.96	0.95	1.02	1.02	1.00	
11	0.68	1.14	1.85	1.39	1.28	1.73	1.03	0.94	0.93	1.01	1.00	0.95	
12	0.66	0.81	1.29	1.37	1.46	1.62	1.01	0.91	0.92	1.00	1.13	0.91	
13	0.65	0.76	1.08	1.28	1.27	2.22	1.00	0.89	0.91	0.99	1.30	0.89	
14	0.65	0.81	1.12	1.23	1.20	1.76	0.99	0.87	0.89	0.98	0.99	0.88	
15	0.66	1.15	1.04	1.56	1.17	1.59	1.16	0.87	0.89	0.98	0.97	0.96	
16	0.68	0.81	0.99	1.95	1.08	1.50	1.19	0.87	0.88	0.97	0.94	1.00	
17	0.71	0.76	0.93	1.85	1.11	1.42	1.50	0.98	0.90	0.97	1.07	0.98	
18	0.79	0.78	0.88	2.64	1.09	1.36	1.12	0.89	0.92	0.96	0.97	0.89	
19	0.75	0.77	0.88	2.27	1.95	1.32	1.05	0.85	1.38	0.96	0.95	0.87	
20	0.75	0.75	0.87	1.78	1.58	1.28	1.19	0.85	1.24	0.96	0.93	0.88	
21	1.19	0.80	0.87	1.71	1.29	1.23	1.09	0.85	1.44	0.95	0.91	0.85	
22	0.80	0.76	0.92	1.48	1.20	1.22	1.25	0.84	1.38	0.94	0.91	0.85	
23	0.74	0.75	0.92	1.40	1.13	1.20	1.10	0.83	2.78	0.94	0.96	0.84	
24	0.72	0.74	0.90	1.37	1.17	1.17	1.17	0.82	1.91	0.93	0.93	0.83	
25	0.71	0.75	0.89	1.35	1.18	1.13	1.20	0.82	1.57	0.93	0.91	0.83	
26	0.75	0.76	1.18	1.42	1.14	1.11	1.17	0.82	1.46	0.92	0.91	0.83	
27	0.75	0.80	1.31	1.83	1.09	1.09	1.08	0.81	1.34	0.92	0.90	0.82	
28	0.75	0.74	1.43	1.63	1.06	1.09	1.07	0.81	1.26	0.91	0.91	0.82	
29	0.72	0.81	1.88	2.65	1.04	1.20	1.03	0.80	1.21	0.91		1.28	
30	0.74	1.55	3.23	2.06	1.12	1.12	0.99	0.80	1.16	0.90		0.99	
31		0.90		1.71	1.64		0.97		1.13	0.89		0.90	
MEAN	0.72	0.82	1.18	1.71	1.31	1.41	1.10	0.90	1.30	0.99	0.96	0.95	
MAX	1.19	1.55	3.23	2.65	1.95	2.83	1.50	1.33	3.17	1.13	1.30	1.38	3.23
MIN	0.64	0.69	0.82	1.23	1.04	1.00	0.97	0.80	0.88	0.89	0.89	0.82	0.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.78 M (A.D), AT 12.00 HOURS, ON DEC 1, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.38 M (A.D)
LEFT BANK ELEVATION 6.20 M (A.D)
RIGHT BANK ELEVATION 6.33 M (A.D), DRAINAGE AREA 57 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.11	0.25	0.29	5.27	1.95	0.94	0.72	0.50	9.59	0.86	0.39	0.52	
2	0.10	0.18	2.73	2.34	1.68	0.78	0.64	0.48	3.43	0.86	0.39	1.45	
3	0.09	0.13	1.00	2.34	1.59	0.70	0.64	0.46	1.62	0.86	0.39	0.62	
4	0.08	0.12	0.54	2.07	1.43	0.66	0.72	0.46	1.02	0.86	0.39	0.48	
5	0.08	0.12	0.39	4.51	1.40	0.64	0.86	0.50	0.82	0.76	0.39	0.46	
6	0.08	0.11	0.32	2.10	1.20	0.64	0.82	0.52	0.74	0.76	0.39	0.42	
7	0.08	0.12	0.50	1.92	1.12	0.60	0.82	0.50	0.66	0.72	0.54	0.56	
8	0.08	0.15	0.78	1.35	2.38	7.38	0.70	1.33	0.60	0.70	0.44	0.92	
9	0.25	0.19	0.44	1.22	1.68	6.44	0.82	0.74	0.54	0.66	0.42	0.66	
10	0.15	0.44	1.43	2.98	1.53	3.94	0.80	0.52	0.50	0.64	0.64	0.60	
11	0.11	0.88	2.98	1.48	1.20	2.56	0.66	0.48	0.46	0.62	0.60	0.50	
12	0.09	0.27	1.22	1.43	1.68	2.17	0.62	0.42	0.44	0.60	0.86	0.42	
13	0.08	0.20	0.76	1.20	1.17	4.38	0.60	0.39	0.42	0.58	1.25	0.39	
14	0.08	0.27	0.84	1.07	1.00	2.66	0.58	0.36	0.39	0.56	0.58	0.37	
15	0.09	0.90	0.68	1.98	0.94	2.07	0.92	0.36	0.39	0.56	0.54	0.52	
16	0.11	0.27	0.58	3.33	0.76	1.80	0.98	0.36	0.37	0.54	0.48	0.60	
17	0.13	0.20	0.46	2.98	0.82	1.56	1.80	0.56	0.40	0.54	0.74	0.56	
18	0.25	0.23	0.37	6.33	0.78	1.40	0.84	0.39	0.44	0.52	0.54	0.39	
19	0.19	0.22	0.37	4.59	3.33	1.30	0.70	0.33	1.45	0.52	0.50	0.36	
20	0.19	0.19	0.36	2.73	2.04	1.20	0.98	0.33	1.10	0.52	0.46	0.37	
21	0.98	0.26	0.36	2.49	1.22	1.07	0.78	0.33	1.62	0.50	0.42	0.33	
22	0.26	0.20	0.44	1.74	1.00	1.05	1.12	0.32	1.45	0.48	0.42	0.33	
23	0.18	0.19	0.44	1.50	0.86	1.00	0.80	0.30	7.09	0.48	0.52	0.32	
24	0.15	0.18	0.40	1.43	0.94	0.94	0.94	0.29	3.19	0.46	0.46	0.30	
25	0.13	0.19	0.39	1.38	0.96	0.86	1.00	0.29	2.01	0.46	0.42	0.30	
26	0.19	0.20	0.96	1.56	0.88	0.82	0.94	0.29	1.68	0.44	0.42	0.30	
27	0.19	0.26	1.27	2.91	0.78	0.78	0.76	0.27	1.35	0.44	0.40	0.29	
28	0.19	0.18	1.59	2.21	0.72	0.78	0.74	0.27	1.15	0.42	0.42	0.29	
29	0.15	0.27	3.08	6.39	0.68	1.00	0.66	0.26	1.02	0.42		1.20	
30	0.18	1.95	10.09	3.74	0.84	0.84	0.58	0.26	0.92	0.40		0.58	
31		0.40		2.49	2.24		0.54		0.86	0.39		0.40	
TOTAL	5.02	9.72	36.06	81.06	40.80	52.96	25.08	12.87	47.72	18.13	14.41	15.81	359.64 CMSDAY
MEAN	0.17	0.31	1.20	2.61	1.32	1.77	0.81	0.43	1.54	0.58	0.51	0.51	0.99 CMS
MAX	0.98	1.95	10.09	6.39	3.33	7.38	1.80	1.33	9.59	0.86	1.25	1.45	10.09 CMS
MIN	0.08	0.11	0.29	1.07	0.68	0.60	0.54	0.26	0.37	0.39	0.39	0.29	0.08 CMS
RUNOFF	0.434	0.840	3.116	7.004	3.525	4.576	2.167	1.112	4.123	1.566	1.245	1.366	31.073 MCM

MOMENTARY PEAK 18.74 CMS, AT 3.78 M (A.D), AT 12.00 HOURS, ON DEC 1, 1984
RUNOFF YIELD 17.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 328.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

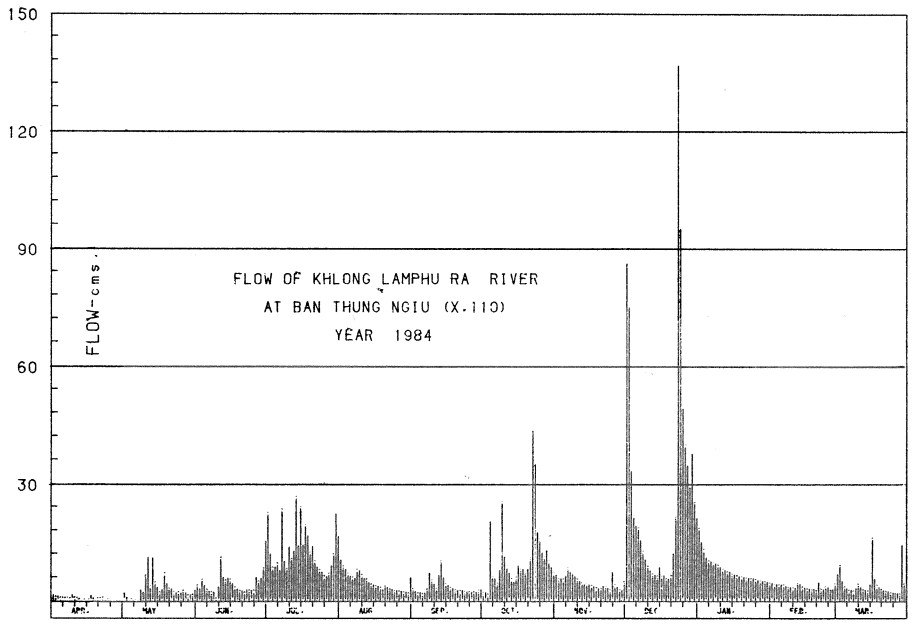
KHLONG LAMPHU LA AT BAN THUNG NGIU, TRANG (X.110)

LOCATION	LAT. 7-40-24 N., LONG. 99-35-05 E., ON RIGHT BANK AT BAN THUNG NGIU, AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	229 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+5.612 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.59	0.63	0.85	2.19	1.40	0.76	0.66	1.09	4.41	1.94	0.88	1.10	
2	0.56	0.52	0.74	1.51	1.29	0.67	0.64	1.00	4.15	1.71	0.86	1.30	
3	0.55	0.49	0.99	1.26	1.21	0.65	0.62	1.00	2.72	1.59	0.86	0.93	
4	0.53	0.48	0.83	1.26	1.13	0.65	2.05	0.99	2.14	1.44	0.85	0.80	
5	0.53	0.47	0.74	1.35	1.06	0.63	1.06	1.06	1.98	1.39	0.85	0.75	
6	0.52	0.46	0.68	1.19	1.04	0.63	1.00	1.25	1.95	1.37	0.85	0.72	
7	0.52	0.45	0.68	2.24	1.01	0.75	0.89	1.15	1.74	1.35	0.81	0.71	
8	0.51	0.79	0.65	1.38	1.22	1.13	1.19	1.18	1.56	1.33	0.79	0.70	
9	0.58	0.65	0.51	1.23	1.19	0.97	2.34	1.05	1.41	1.30	0.78	0.75	
10	0.54	1.09	0.79	1.63	1.10	0.86	1.46	0.99	1.28	1.25	0.78	0.87	
11	0.52	1.45	1.46	1.43	1.01	0.76	1.29	0.93	1.18	1.22	0.76	0.78	
12	0.49	0.83	1.03	1.56	1.00	1.08	1.13	0.90	1.11	1.19	0.94	0.73	
13	0.48	1.44	0.97	2.41	0.90	1.40	1.00	0.85	1.08	1.16	0.86	0.71	
14	0.47	0.92	1.01	1.65	0.87	1.02	0.91	0.89	1.06	1.15	0.80	0.70	
15	0.47	0.78	0.99	2.27	0.85	0.88	1.04	0.85	1.25	1.11	0.77	0.85	
16	0.47	0.67	0.87	1.66	0.83	0.83	1.29	0.83	1.05	1.09	0.75	1.79	
17	0.56	0.72	0.80	2.00	0.81	0.79	1.22	0.80	1.07	1.07	0.74	0.99	
18	0.50	1.14	0.74	1.82	0.79	0.75	1.21	0.78	1.00	1.05	0.73	0.84	
19	0.47	0.88	0.71	1.54	0.72	0.73	1.16	0.75	0.99	1.04	0.73	0.78	
20	0.51	0.77	0.69	1.64	0.88	0.70	1.21	0.76	1.08	1.03	0.71	0.74	
21	0.51	0.74	0.67	1.39	0.78	0.71	1.45	0.81	1.52	1.01	0.90	0.70	
22	0.53	0.68	0.72	1.26	0.75	0.70	3.16	0.81	2.12	1.01	0.74	0.69	
23	0.49	0.64	0.72	1.21	0.73	0.68	2.84	0.76	5.44	1.00	0.72	0.67	
24	0.47	0.67	0.70	1.15	0.71	0.66	1.87	0.73	4.62	1.00	0.81	0.65	
25	0.47	0.63	0.72	1.08	0.70	0.68	1.77	1.15	3.37	0.98	0.78	0.64	
26	0.46	0.72	1.03	1.05	0.70	0.65	1.53	0.85	3.02	0.95	0.72	0.63	
27	0.46	0.63	0.94	1.13	0.68	0.68	1.46	0.79	2.79	0.94	0.72	0.62	
28	0.50	0.60	1.00	1.29	0.67	0.65	1.57	0.73	2.56	0.93	0.88	0.62	
29	0.48	0.58	1.25	1.52	0.66	0.72	1.39	0.70	2.92	0.93		1.66	
30	0.48	0.61	1.73	2.17	0.65	0.72	1.25	0.93	2.33	0.91		0.88	
31		0.71		1.85	1.02		1.15		2.10	0.89		0.75	
MEAN	0.51	0.74	0.87	1.56	0.91	0.78	1.38	0.91	2.16	1.17	0.80	0.84	
MAX	0.59	1.45	1.73	2.41	1.40	1.40	3.16	1.25	5.44	1.94	0.94	1.79	5.44
MIN	0.46	0.45	0.51	1.05	0.65	0.63	0.62	0.70	0.99	0.89	0.71	0.62	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.64 M (A.D), AT 15.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 6.45 M (A.D)
RIGHT BANK ELEVATION 5.82 M (A.D), DRAINAGE AREA 229 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.65	2.04	4.23	22.73	10.50	3.30	2.32	6.75	86.24	18.64	4.54	6.85	
2	1.37	0.99	3.10	12.05	9.08	2.42	2.13	5.80	75.55	15.05	4.33	9.20	
3	1.28	0.72	5.70	8.72	8.12	2.23	1.94	5.80	33.12	13.25	4.33	5.07	
4	1.08	0.64	4.01	8.72	7.19	2.23	20.40	5.70	21.88	11.06	4.23	3.70	
5	1.08	0.56	3.10	9.85	6.43	2.04	6.43	6.43	19.28	10.37	4.23	3.20	
6	0.99	0.48	2.51	7.89	6.22	2.04	5.80	8.60	18.80	10.11	4.23	2.90	
7	0.99	0.40	2.51	23.62	5.91	3.20	4.65	7.42	15.50	9.85	3.81	2.80	
8	0.89	3.60	2.23	10.24	8.24	7.19	7.89	7.77	12.80	9.59	3.60	2.70	
9	1.56	2.23	0.89	8.36	7.89	5.49	25.46	6.32	10.64	9.20	3.50	3.20	
10	1.18	6.75	3.60	13.85	6.85	4.33	11.34	5.70	8.96	8.60	3.50	4.44	
11	0.99	11.20	11.34	10.92	5.91	3.30	9.08	5.07	7.77	8.24	3.30	3.50	
12	0.72	4.01	6.11	12.80	5.80	6.64	7.19	4.75	6.96	7.89	5.17	3.00	
13	0.64	11.06	5.49	26.79	4.75	10.50	5.80	4.23	6.64	7.54	4.33	2.80	
14	0.56	4.96	5.91	14.15	4.44	6.01	4.86	4.65	6.43	7.42	3.70	2.70	
15	0.56	3.50	5.70	24.16	4.23	4.54	6.22	4.23	8.60	6.96	3.40	4.23	
16	0.56	2.42	4.44	14.30	4.01	4.01	9.08	4.01	6.32	6.75	3.20	16.25	
17	1.37	2.90	3.70	19.60	3.81	3.60	8.24	3.70	6.54	6.54	3.10	5.70	
18	0.80	7.31	3.10	16.72	3.60	3.20	8.12	3.50	5.80	6.32	3.00	4.12	
19	0.56	4.54	2.80	12.50	2.90	3.00	7.54	3.20	5.70	6.22	3.00	3.50	
20	0.89	3.40	2.61	14.00	4.54	2.70	8.12	3.30	6.64	6.11	2.80	3.10	
21	0.89	3.10	2.42	10.37	3.50	2.80	11.20	3.81	12.20	5.91	4.75	2.70	
22	1.08	2.51	2.90	8.72	3.20	2.70	43.50	3.81	21.54	5.91	3.10	2.61	
23	0.72	2.13	2.90	8.12	3.00	2.51	35.72	3.30	136.76	5.80	2.90	2.42	
24	0.56	2.42	2.70	7.42	2.80	2.32	17.52	3.00	95.62	5.80	3.81	2.23	
25	0.56	2.04	2.90	6.64	2.70	2.51	15.95	7.42	49.16	5.59	3.50	2.13	
26	0.48	2.90	6.11	6.32	2.70	2.23	12.35	4.23	40.00	5.28	2.90	2.04	
27	0.48	2.04	5.17	7.19	2.51	2.51	11.34	3.60	34.59	5.17	2.90	1.94	
28	0.80	1.75	5.80	9.08	2.42	2.23	12.95	3.00	29.76	5.07	4.54	1.94	
29	0.64	1.56	8.60	12.20	2.32	2.90	10.37	2.70	37.58	5.07		14.30	
30	0.64	1.85	15.35	22.39	2.23	2.90	8.60	5.07	25.27	4.86		4.54	
31		2.80		17.20	6.01		7.42		21.20	4.65		3.20	
TOTAL	26.57	98.81	137.93	407.62	153.81	107.58	349.53	146.87	873.85	244.82	103.70	133.01	2784.10 CMSDAY
MEAN	0.89	3.19	4.60	13.15	4.96	3.59	11.28	4.90	28.19	7.90	3.70	4.29	7.63 CMS
MAX	1.65	11.20	15.35	26.79	10.50	10.50	43.50	8.60	136.76	18.64	5.17	16.25	136.76 CMS
MIN	0.48	0.40	0.89	6.32	2.23	2.04	1.94	2.70	5.70	4.65	2.80	1.94	0.40 CMS
RUNOFF	2.296	8.537	11.917	35.218	13.289	9.295	30.199	12.690	75.501	21.152	8.960	11.492	240.546 MCM

MOMENTARY PEAK 147.90 CMS, AT 5.64 M (A.D), AT 15.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 33.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 645.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

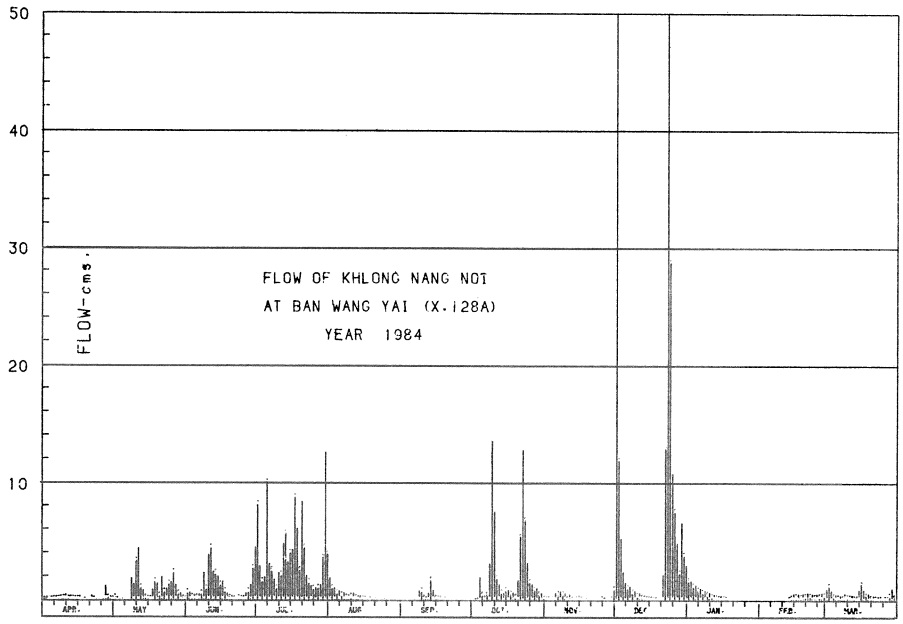
KHLONG NANG NOI AT BAN WANG YI, TRANG (X.128A)

LOCATION	LAT. 7-35-28 N., LONG. 99-44-13 E., ON RIGHT BANK ABOUT 2.00 METERS UPSTREAM FROM THE BRIDGE AT BAN WANG YI, AMPHOE MUANG, TRANG.
DRAINAGE AREA	75 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.730 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 46 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.23	0.34	1.48	0.58	0.11	0.01	0.17	4.57	0.57	0.09	0.33	
2	0.15	0.14	0.27	0.76	0.43	0.10	0.09	0.16	1.87	0.51	0.11	0.46	
3	0.15	0.11	0.24	0.57	0.37	0.09	0.11	0.15	1.08	0.46	0.09	0.30	
4	0.15	0.10	0.22	0.60	0.32	0.09	0.59	0.15	0.72	0.42	0.09	0.24	
5	0.18	0.09	0.23	1.69	0.30	0.09	0.28	0.25	0.47	0.38	0.09	0.22	
6	0.18	0.10	0.23	0.79	0.28	0.10	0.19	0.30	0.42	0.35	0.08	0.22	
7	0.19	0.10	0.32	0.74	0.26	0.11	0.28	0.28	0.39	0.33	0.08	0.20	
8	0.20	0.63	0.66	0.55	0.23	0.30	0.79	0.29	0.33	0.30	0.08	0.20	
9	0.21	0.45	0.41	0.42	0.22	0.37	2.04	0.24	0.29	0.29	0.07	0.24	
10	0.22	0.86	0.90	0.66	0.25	0.21	1.37	0.17	0.26	0.26	0.07	0.23	
11	0.19	0.98	1.02	0.68	0.25	0.16	0.62	0.22	0.25	0.24	0.07	0.22	
12	0.19	0.44	0.68	1.03	0.22	0.25	0.44	0.15	0.22	0.22	0.07	0.21	
13	0.19	0.31	0.70	1.17	0.20	0.60	0.33	0.16	0.20	0.21	0.18	0.20	
14	0.18	0.22	0.61	0.81	0.18	0.31	0.25	0.17	0.18	0.20	0.21	0.19	
15	0.18	0.19	0.50	0.96	0.17	0.21	0.38	0.19	0.17	0.19	0.24	0.32	
16	0.18	0.19	0.51	0.96	0.17	0.19	0.32	0.16	0.16	0.18	0.24	0.50	
17	0.15	0.33	0.36	1.55	0.16	0.18	0.30	0.14	0.15	0.17	0.23	0.32	
18	0.11	0.57	0.25	1.19	0.15	0.15	0.26	0.12	0.13	0.15	0.23	0.26	
19	0.09	0.46	0.22	0.74	0.14	0.14	0.24	0.11	0.12	0.14	0.24	0.24	
20	0.09	0.26	0.19	1.48	0.14	0.13	0.53	0.11	0.15	0.14	0.25	0.21	
21	0.20	0.60	0.18	1.02	0.10	0.12	1.13	0.10	0.63	0.13	0.26	0.20	
22	0.16	0.35	0.20	0.62	0.09	0.11	1.94	0.10	1.97	0.12	0.25	0.19	
23	0.13	0.35	0.21	0.56	0.09	0.10	1.31	0.09	6.08	0.11	0.23	0.18	
24	0.10	0.52	0.19	0.41	0.09	0.09	0.80	0.11	3.11	0.10	0.23	0.18	
25	0.10	0.49	0.19	0.42	0.09	0.08	0.55	0.19	1.74	0.10	0.23	0.17	
26	0.21	0.71	0.25	0.37	0.08	0.08	0.44	0.12	1.40	0.09	0.24	0.17	
27	0.41	0.43	0.36	0.44	0.07	0.07	0.38	0.10	1.03	0.09	0.25	0.17	
28	0.22	0.31	0.43	0.43	0.06	0.09	0.35	0.10	0.69	0.13	0.26	0.26	
29	0.17	0.25	0.77	0.90	0.07	0.11	0.29	0.17	1.25	0.11		0.35	
30	0.16	0.20	0.99	1.92	0.12	0.11	0.25	0.40	0.92	0.10		0.22	
31		0.17		0.94	0.09		0.20		0.76	0.09		0.19	
MEAN	0.17	0.36	0.42	0.87	0.19	0.16	0.55	0.17	1.02	0.22	0.17	0.24	
MAX	0.41	0.98	1.02	1.92	0.58	0.60	2.04	0.40	6.08	0.57	0.26	0.50	6.08
MIN	0.09	0.09	0.18	0.37	0.06	0.07	0.01	0.09	0.12	0.09	0.07	0.17	0.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.87 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.42 M (A.D)
LEFT BANK ELEVATION 3.88 M (A.D)
RIGHT BANK ELEVATION 5.92 M (A.D), DRAINAGE AREA 75 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.52	0.96	8.44	1.92	0.22	0.02	0.34	55.40	1.88	0.18	0.92	
2	0.30	0.28	0.68	2.96	1.32	0.20	0.18	0.32	12.10	1.64	0.22	1.44	
3	0.30	0.22	0.56	1.88	1.08	0.18	0.22	0.30	5.24	1.44	0.18	0.80	
4	0.30	0.20	0.48	2.00	0.88	0.18	1.96	0.30	2.72	1.28	0.18	0.56	
5	0.36	0.18	0.52	10.31	0.80	0.18	0.72	0.60	1.48	1.12	0.18	0.48	
6	0.36	0.20	0.52	3.14	0.72	0.20	0.38	0.80	1.28	1.00	0.16	0.48	
7	0.38	0.20	0.88	2.84	0.64	0.22	0.72	0.72	1.16	0.92	0.16	0.40	
8	0.40	2.18	2.36	1.80	0.52	0.80	3.14	0.76	0.92	0.80	0.16	0.40	
9	0.44	1.40	1.24	1.28	0.48	1.08	13.88	0.56	0.76	0.76	0.14	0.56	
10	0.48	3.62	3.90	2.36	0.60	0.44	7.56	0.34	0.64	0.64	0.14	0.52	
11	0.38	4.46	4.76	2.48	0.60	0.32	2.12	0.48	0.60	0.56	0.14	0.48	
12	0.38	1.36	2.48	4.84	0.48	0.60	1.36	0.30	0.48	0.48	0.14	0.44	
13	0.38	0.84	2.60	5.96	0.40	2.00	0.92	0.32	0.40	0.44	0.36	0.40	
14	0.36	0.48	2.06	3.27	0.36	0.84	0.60	0.34	0.36	0.40	0.44	0.38	
15	0.36	0.38	1.60	4.32	0.34	0.44	1.12	0.38	0.34	0.38	0.56	0.88	
16	0.36	0.38	1.64	4.32	0.34	0.38	0.88	0.32	0.32	0.36	0.56	1.60	
17	0.30	0.92	1.04	9.05	0.32	0.36	0.80	0.28	0.30	0.34	0.52	0.88	
18	0.22	1.88	0.60	6.12	0.30	0.30	0.64	0.24	0.26	0.30	0.52	0.64	
19	0.18	1.44	0.48	2.84	0.28	0.28	0.56	0.22	0.24	0.28	0.56	0.56	
20	0.18	0.64	0.38	8.44	0.28	0.26	1.72	0.22	0.30	0.28	0.60	0.44	
21	0.40	2.00	0.36	4.76	0.20	0.24	5.64	0.20	2.18	0.26	0.64	0.40	
22	0.32	1.00	0.40	2.12	0.18	0.22	12.80	0.20	13.10	0.24	0.60	0.38	
23	0.26	1.00	0.44	1.84	0.18	0.20	7.08	0.18	87.36	0.22	0.52	0.36	
24	0.20	1.68	0.38	1.24	0.18	0.18	3.20	0.22	28.96	0.20	0.52	0.36	
25	0.20	1.56	0.38	1.28	0.18	0.16	1.80	0.38	10.80	0.20	0.52	0.34	
26	0.44	2.66	0.60	1.08	0.16	0.16	1.36	0.24	7.80	0.18	0.56	0.34	
27	1.24	1.32	1.04	1.36	0.14	0.14	1.12	0.20	4.84	0.18	0.60	0.34	
28	0.48	0.84	1.32	1.32	0.12	0.18	1.00	0.20	2.54	0.26	0.64	0.64	
29	0.34	0.60	3.02	3.90	0.14	0.22	0.76	0.34	6.60	0.22		1.00	
30	0.32	0.40	4.53	12.60	0.24	0.22	0.60	1.20	4.04	0.20		0.48	
31		0.34		4.18	0.18		0.40		2.96	0.18		0.38	
TOTAL	10.92	35.18	42.21	124.33	14.56	11.40	75.26	11.50	256.48	17.64	10.70	18.28	628.46 CMSDAY
MEAN	0.36	1.13	1.41	4.01	0.47	0.38	2.43	0.38	8.27	0.57	0.38	0.59	1.72 CMS
MAX	1.24	4.46	4.76	12.60	1.92	2.00	13.88	1.20	87.36	1.88	0.64	1.60	87.36 CMS
MIN	0.18	0.18	0.36	1.08	0.12	0.14	0.02	0.18	0.24	0.18	0.14	0.34	0.02 CMS
RUNOFF	0.943	3.040	3.647	10.742	1.258	0.985	6.502	0.994	22.160	1.524	0.924	1.579	54.299 MCM

MOMENTARY PEAK 105.41 CMS, AT 6.87 M (A.D), AT 6.00 HOURS, ON DEC 23, 1984

RUNOFF YIELD 22.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1405.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

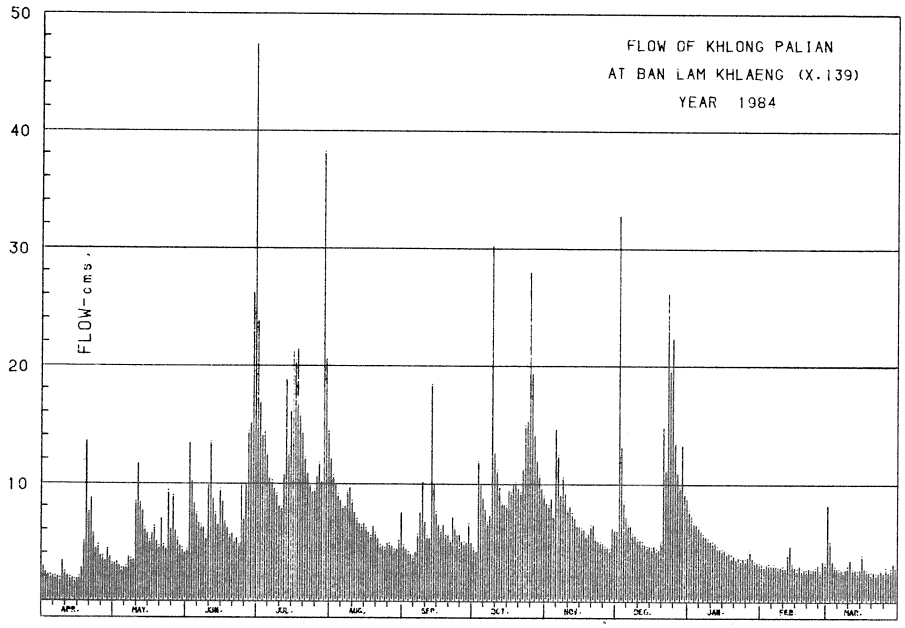
KHLONG PALIAN AT BAN LAM KHLAENG(2), TRANG (X.139)

LOCATION	LAT. 7-19-08 N., LONG. 99-49-03 N., ON RIGHT BANK AT BAN LAM KHLAENG(2), AMPHOE PALIAN, TRANG.
DRAINAGE AREA	153 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 11 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+5.106 M.(A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1983 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1983 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1983 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 160 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.67	0.78	2.00	1.34	0.81	0.79	1.08	0.90	1.04	0.67	1.07	
2	0.59	0.68	1.42	1.62	1.25	0.78	0.76	1.07	2.40	1.00	0.66	0.83	
3	0.57	0.65	1.21	1.47	1.19	0.76	1.33	1.11	1.40	0.96	0.66	0.69	
4	0.57	0.63	1.08	1.48	1.14	0.74	1.20	1.01	1.10	0.94	0.67	0.65	
5	0.56	0.63	1.02	1.37	1.10	0.73	1.13	1.49	0.99	0.93	0.65	0.63	
6	0.56	0.65	0.95	1.23	1.06	0.76	1.04	1.36	0.94	0.90	0.67	0.63	
7	0.55	0.72	0.94	1.22	1.06	0.88	0.96	1.13	0.93	0.88	0.65	0.62	
8	0.54	0.71	0.92	1.17	1.16	1.02	1.00	1.24	0.88	0.86	0.64	0.61	
9	0.69	0.70	0.87	1.14	1.18	1.21	2.29	1.14	0.87	0.85	0.64	0.62	
10	0.60	1.09	1.19	1.06	1.10	0.96	1.37	1.05	0.85	0.83	0.65	0.65	
11	0.56	1.31	1.43	1.06	1.02	0.87	1.28	1.06	0.84	0.83	0.63	0.70	
12	0.55	1.08	1.11	1.25	0.98	0.85	1.18	1.02	0.83	0.82	0.73	0.63	
13	0.54	1.03	1.02	1.74	0.95	1.71	1.09	0.98	0.81	0.80	0.80	0.62	
14	0.53	0.92	0.94	1.36	0.94	1.20	1.07	0.96	0.80	0.78	0.67	0.61	
15	0.53	0.88	1.17	1.59	0.95	1.03	1.07	0.93	0.80	0.78	0.64	0.62	
16	0.56	0.84	1.09	1.86	0.92	0.94	1.16	0.92	0.79	0.77	0.63	0.74	
17	0.63	0.88	0.96	1.82	0.89	0.91	1.15	0.91	0.80	0.76	0.65	0.63	
18	0.83	0.93	0.92	1.87	0.87	0.94	1.20	0.88	0.78	0.75	0.63	0.62	
19	1.43	0.83	0.87	1.57	0.93	0.87	1.21	0.88	0.77	0.74	0.62	0.60	
20	1.02	0.80	0.88	1.47	0.89	0.87	1.17	0.94	0.83	0.73	0.62	0.60	
21	1.11	0.98	0.84	1.35	0.85	0.84	1.15	0.94	1.50	0.73	0.63	0.60	
22	0.88	0.81	0.85	1.26	0.81	0.99	1.28	0.86	1.29	0.72	0.62	0.59	
23	0.78	0.78	0.81	1.20	0.80	0.93	1.51	0.83	2.10	0.71	0.62	0.59	
24	0.81	1.16	1.19	1.15	0.79	0.87	1.53	0.83	1.78	0.71	0.64	0.64	
25	0.73	0.91	0.99	1.17	0.82	0.89	2.19	0.82	1.92	0.71	0.66	0.59	
26	0.73	1.13	1.20	1.24	0.82	0.83	1.76	0.80	1.43	0.72	0.61	0.64	
27	0.69	0.90	1.48	1.32	0.80	0.83	1.47	0.79	1.26	0.78	0.69	0.60	
28	0.78	0.85	1.52	1.21	0.78	0.82	1.33	0.78	1.18	0.71	0.68	0.63	
29	0.72	0.80	2.11	2.61	0.78	0.95	1.25	0.92	1.41	0.69		0.67	
30	0.67	0.79	2.95	1.83	0.84	0.82	1.17	0.92	1.15	0.68		0.66	
31		0.75		1.48	1.02		1.13		1.11	0.68		0.63	
MEAN	0.70	0.85	1.16	1.46	0.97	0.92	1.27	0.99	1.14	0.80	0.65	0.65	
MAX	1.43	1.31	2.95	2.61	1.34	1.71	2.29	1.49	2.40	1.04	0.80	1.07	2.95
MIN	0.53	0.63	0.78	1.06	0.78	0.73	0.76	0.78	0.77	0.68	0.61	0.59	0.53

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.16 M (A.D), AT 11.00 HOURS, ON DEC 2, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.23 M (A.D)
LEFT BANK ELEVATION 4.43 M (A.D)
RIGHT BANK ELEVATION 4.38 M (A.D), DRAINAGE AREA 153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.90	3.20	4.46	24.00	12.14	4.83	4.58	8.34	6.00	7.82	3.20	8.21	
2	2.41	3.30	13.44	16.86	10.75	4.46	4.22	8.21	33.00	7.30	3.10	5.09	
3	2.23	3.00	10.15	14.29	9.86	4.22	11.98	8.74	13.10	6.78	3.10	3.40	
4	2.23	2.80	8.34	14.46	9.16	3.98	10.00	7.43	8.60	6.52	3.20	3.00	
5	2.14	2.80	7.56	12.62	8.60	3.86	9.02	14.63	7.17	6.39	3.00	2.80	
6	2.14	3.00	6.65	10.45	8.08	4.22	7.82	12.46	6.52	6.00	3.20	2.80	
7	2.05	3.74	6.52	10.30	8.08	5.74	6.78	9.02	6.39	5.74	3.00	2.70	
8	1.96	3.62	6.26	9.58	9.44	7.56	7.30	10.60	5.74	5.48	2.90	2.60	
9	3.40	3.50	5.61	9.16	9.72	10.15	30.38	9.16	5.61	5.35	2.90	2.70	
10	2.50	8.47	9.86	8.08	8.60	6.78	12.62	7.95	5.35	5.09	3.00	3.00	
11	2.14	11.66	13.61	8.08	7.56	5.61	11.20	8.08	5.22	5.09	2.80	3.50	
12	2.05	8.34	8.74	10.75	7.04	5.35	9.72	7.56	5.09	4.96	3.86	2.80	
13	1.96	7.69	7.56	19.02	6.65	18.48	8.47	7.04	4.83	4.70	4.70	2.70	
14	1.87	6.26	6.52	12.46	6.52	10.00	8.21	6.78	4.70	4.46	3.20	2.60	
15	1.87	5.74	9.58	16.33	6.65	7.69	8.21	6.39	4.70	4.46	2.90	2.70	
16	2.14	5.22	8.47	21.24	6.26	6.52	9.44	6.26	4.58	4.34	2.80	3.98	
17	2.80	5.74	6.78	20.48	5.87	6.13	9.30	6.13	4.70	4.22	3.00	2.80	
18	5.09	6.39	6.26	21.43	5.61	6.52	10.00	5.74	4.46	4.10	2.80	2.70	
19	13.61	5.09	5.61	15.99	6.39	5.61	10.15	5.74	4.34	3.98	2.70	2.50	
20	7.56	4.70	5.74	14.29	5.87	5.61	9.58	6.52	5.09	3.86	2.70	2.50	
21	8.74	7.04	5.22	12.30	5.35	5.22	9.30	6.52	14.80	3.86	2.80	2.50	
22	5.74	4.83	5.35	10.90	4.83	7.17	11.20	5.48	11.35	3.74	2.70	2.41	
23	4.46	4.46	4.83	10.00	4.70	6.39	14.97	5.09	26.20	3.62	2.70	2.41	
24	4.83	9.44	9.86	9.30	4.58	5.61	15.31	5.09	19.74	3.62	2.90	2.90	
25	3.86	6.13	7.17	9.58	4.96	5.87	28.18	4.96	22.40	3.62	3.10	2.41	
26	3.86	9.02	10.00	10.60	4.96	5.09	19.38	4.70	13.61	3.74	2.60	2.90	
27	3.40	6.00	14.46	11.82	4.70	5.09	14.29	4.58	10.90	4.46	3.40	2.50	
28	4.46	5.35	15.14	10.15	4.46	4.96	11.98	4.46	9.72	3.62	3.30	2.80	
29	3.74	4.70	26.42	38.25	4.46	6.65	10.75	6.26	13.27	3.40		3.20	
30	3.20	4.58	47.40	20.67	5.22	4.96	9.58	6.26	9.30	3.30		3.10	
31		4.10		14.46	7.56		9.02		8.74	3.30		2.80	
TOTAL	111.34	169.91	303.57	447.90	214.63	190.33	352.94	216.18	305.22	146.92	85.56	95.01	2639.51 CMSDAY
MEAN	3.71	5.48	10.12	14.45	6.92	6.34	11.39	7.21	9.85	4.74	3.06	3.06	7.23 CMS
MAX	13.61	11.66	47.40	38.25	12.14	18.48	30.38	14.63	33.00	7.82	4.70	8.21	47.40 CMS
MIN	1.87	2.80	4.46	8.08	4.46	3.86	4.22	4.46	4.34	3.30	2.60	2.41	1.87 CMS
RUNOFF	9.620	14.680	26.228	38.699	18.544	16.445	30.494	18.678	26.371	12.694	7.392	8.209	228.054 MCM

MOMENTARY PEAK 53.50 CMS, AT 3.16 M (A.D), AT 11.00 HOURS, ON DEC 2, 1984

RUNOFF YIELD 47.26 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 349.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1984

SOUTHERN PENINSULA WEST COAST

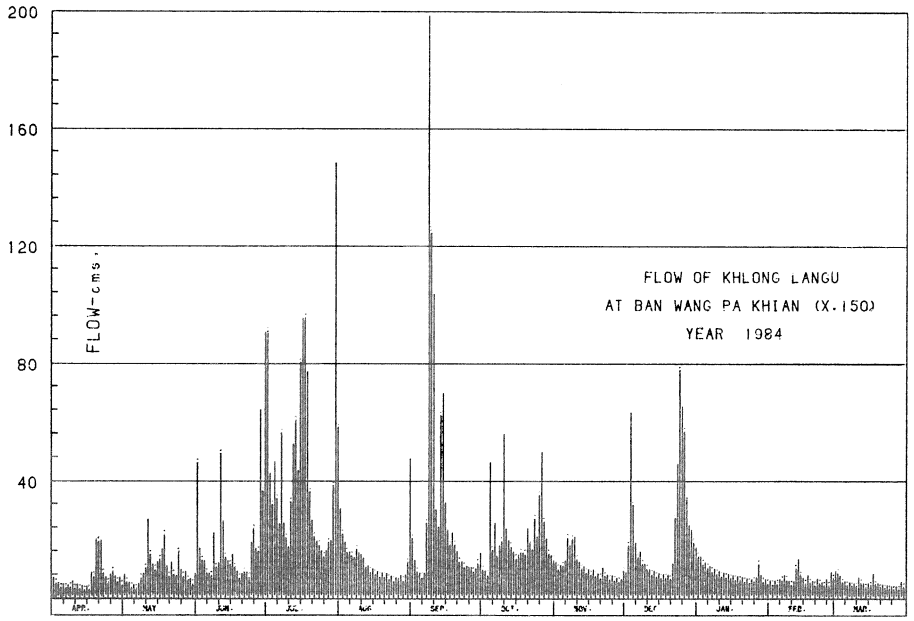
KHLONG LANGU AT BAN WANG PA KHIAN, SATUN (X.150)

LOCATION	LAT. 6-56-30 N., LONG. 99-52-33 E., ON RIGHT BANK AT BAN WANG PA KHIAN, AMPHOE LANGU, SATUN.
DRAINAGE AREA	552 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM	+0.00 M.(A.D.)
BENCH MARK	B.M.-H.D.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.520 M.(A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1984 TO DATE
RATING OPERATION	
PERIOD OF RATING	1984 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1984 TO DATE
STABILITY OF CHANNEL REGIMES	STABLE.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.55 M.(A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 122 DISCHARGE MEASUREMENTS MADE IN 1984.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.98	1.05	2.82	4.26	2.15	1.78	1.23	1.31	1.10	1.47	0.92	1.13	
2	0.94	0.97	1.55	2.63	1.85	1.34	1.14	1.25	1.66	1.41	0.92	1.17	
3	0.85	0.86	1.40	2.25	1.66	1.19	1.14	1.25	3.37	1.34	0.92	1.03	
4	0.82	0.84	1.33	2.79	1.55	1.10	2.78	1.30	2.24	1.30	0.93	0.95	
5	0.82	0.80	1.17	2.33	1.49	1.09	1.58	1.33	1.65	1.27	0.95	0.90	
6	0.82	0.79	1.09	1.94	1.48	1.09	1.95	1.79	1.45	1.23	1.01	0.89	
7	0.78	0.83	1.12	3.17	1.39	2.00	1.48	1.61	1.49	1.20	1.05	0.87	
8	0.85	1.06	1.81	1.95	1.60	6.70	1.60	1.77	1.34	1.18	1.02	0.86	
9	0.90	1.08	1.27	1.79	1.48	5.13	1.74	1.75	1.27	1.16	0.91	0.84	
10	0.80	1.26	1.29	1.58	1.52	4.58	3.12	1.42	1.25	1.14	0.91	0.86	
11	0.81	2.00	2.93	2.29	1.38	2.18	1.92	1.31	1.17	1.11	0.90	0.99	
12	0.79	1.50	1.98	3.00	1.28	1.90	1.69	1.25	1.15	1.10	1.25	0.94	
13	0.77	1.26	1.46	3.32	1.24	3.37	1.65	1.22	1.14	1.08	1.36	0.85	
14	0.75	1.24	1.33	2.67	1.20	3.58	1.49	1.18	1.10	1.07	1.11	0.83	
15	0.75	1.31	1.33	3.94	1.18	2.28	1.44	1.17	1.09	1.05	0.98	0.84	
16	0.78	1.42	1.44	4.35	1.15	1.86	1.44	1.13	1.06	1.04	0.93	0.88	
17	1.10	1.54	1.27	4.39	1.13	1.67	1.54	1.16	1.07	1.03	1.04	1.07	
18	1.10	1.84	1.13	3.81	1.10	1.82	1.47	1.12	1.07	1.02	0.95	0.90	
19	1.71	1.23	1.06	2.42	1.10	1.68	1.52	1.08	1.05	1.01	0.91	0.85	
20	1.74	1.10	1.08	1.99	1.10	1.50	1.88	1.07	1.03	1.00	0.89	0.82	
21	1.69	1.30	1.19	1.81	1.09	1.38	1.72	1.20	1.28	0.98	0.96	0.81	
22	1.16	1.14	1.11	1.68	1.05	1.32	1.53	1.10	2.06	0.97	0.93	0.80	
23	1.00	1.03	1.09	1.68	1.03	1.29	2.06	1.05	2.76	0.96	0.87	0.79	
24	0.95	1.55	1.66	1.51	1.00	1.23	1.75	1.03	3.86	0.95	0.88	0.78	
25	1.06	1.16	1.92	1.47	0.99	1.30	2.38	1.04	3.44	0.99	0.95	0.76	
26	1.20	1.10	1.55	1.51	1.07	1.21	2.91	1.01	3.19	0.99	0.88	0.77	
27	1.02	1.12	1.57	1.72	1.04	1.20	2.02	0.98	2.31	1.33	1.11	0.76	
28	0.97	1.01	3.40	1.69	1.01	1.18	1.72	0.98	1.97	1.05	1.05	0.77	
29	0.99	0.96	2.43	2.51	1.05	1.35	1.52	0.95	1.86	0.98		0.89	
30	0.91	0.93	4.21	5.66	1.36	1.47	1.42	1.20	1.72	0.95		0.84	
31		1.08		3.23	2.83		1.42		1.57	0.94		0.82	
MEAN	0.99	1.17	1.67	2.62	1.34	2.03	1.75	1.23	1.73	1.11	0.98	0.88	
MAX	1.74	2.00	4.21	5.66	2.83	6.70	3.12	1.79	3.86	1.47	1.36	1.17	6.70
MIN	0.75	0.79	1.06	1.47	0.99	1.09	1.14	0.95	1.03	0.94	0.87	0.76	0.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.89 M (A.D), AT 12.00 HOURS, ON SEP 8, 1984
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 8.61 M (A.D)
RIGHT BANK ELEVATION 6.54 M (A.D), DRAINAGE AREA 552 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.20	8.25	47.56	92.44	30.75	21.78	11.24	12.69	9.00	15.73	6.30	9.51	
2	6.60	7.05	17.25	42.75	23.40	13.26	9.68	11.60	19.34	14.59	6.30	10.19	
3	5.40	5.52	14.40	33.25	19.34	10.53	9.68	11.60	63.50	13.26	6.30	7.95	
4	5.04	5.28	13.07	46.75	17.25	9.00	46.50	12.50	33.00	12.50	6.45	6.75	
5	5.04	4.80	10.19	35.25	16.11	8.85	17.82	13.07	19.15	11.96	6.75	6.00	
6	5.04	4.68	8.85	25.56	15.92	8.85	25.80	21.99	15.35	11.24	7.65	5.88	
7	4.56	5.16	9.34	57.63	14.21	27.00	15.92	18.39	16.11	10.70	8.25	5.64	
8	5.40	8.40	22.44	25.80	18.20	198.60	18.20	21.57	13.26	10.36	7.80	5.52	
9	6.00	8.70	11.96	21.99	15.92	125.56	20.94	21.15	11.96	10.02	6.15	5.28	
10	4.80	11.78	12.32	17.82	16.68	103.78	56.18	14.78	11.60	9.68	6.15	5.52	
11	4.92	27.00	50.67	34.25	14.02	31.50	25.08	12.69	10.19	9.17	6.00	7.35	
12	4.68	16.30	26.52	52.70	12.14	24.60	19.91	11.60	9.85	9.00	11.60	6.60	
13	4.44	11.78	15.54	62.00	11.42	63.50	19.15	11.06	9.68	8.70	13.64	5.40	
14	4.20	11.42	13.07	43.75	10.70	69.98	16.11	10.36	9.00	8.55	9.17	5.16	
15	4.20	12.69	13.07	81.62	10.36	34.00	15.16	10.19	8.85	8.25	7.20	5.28	
16	4.56	14.78	15.16	95.55	9.85	23.64	15.16	9.51	8.40	8.10	6.45	5.76	
17	9.00	17.06	11.96	96.95	9.51	19.53	17.06	10.02	8.55	7.95	8.10	8.55	
18	9.00	23.16	9.51	77.33	9.00	22.68	15.73	9.34	8.55	7.80	6.75	6.00	
19	20.31	11.24	8.40	37.50	9.00	19.72	16.68	8.70	8.25	7.65	6.15	5.40	
20	20.94	9.00	8.70	26.76	9.00	16.30	24.12	8.55	7.95	7.50	5.88	5.04	
21	19.91	12.50	10.53	22.44	8.85	14.02	20.52	10.70	12.14	7.20	6.90	4.92	
22	10.02	9.68	9.17	19.72	8.25	12.88	16.87	9.00	28.50	7.05	6.45	4.80	
23	7.50	7.95	8.85	19.72	7.95	12.32	28.50	8.25	46.00	6.90	5.64	4.68	
24	6.75	17.25	19.34	16.49	7.50	11.24	21.15	7.95	78.98	6.75	5.76	4.56	
25	8.40	10.02	25.08	15.73	7.35	12.50	36.50	8.10	65.64	7.35	6.75	4.32	
26	10.70	9.00	17.25	16.49	8.55	10.88	50.09	7.65	58.21	7.35	5.76	4.44	
27	7.80	9.34	17.63	20.52	8.10	10.70	27.50	7.20	34.75	13.07	9.17	4.32	
28	7.05	7.65	64.40	19.91	7.65	10.36	20.52	7.20	26.28	8.25	8.25	4.44	
29	7.35	6.90	37.75	39.75	8.25	13.45	16.68	6.75	23.64	7.20		5.88	
30	6.15	6.45	90.74	148.40	13.64	15.73	14.78	10.70	20.52	6.75		5.28	
31		8.70		59.37	47.84		14.78		17.63	6.60		5.04	
TOTAL	232.96	329.49	640.72	1406.19	426.71	976.74	684.01	344.86	713.83	287.18	203.72	181.46	6427.87 CMSDAY
MEAN	7.77	10.63	21.36	45.36	13.76	32.56	22.06	11.50	23.03	9.26	7.28	5.85	17.61 CMS
MAX	20.94	27.00	90.74	148.40	47.84	198.60	56.18	21.99	78.98	15.73	13.64	10.19	198.60 CMS
MIN	4.20	4.68	8.40	15.73	7.35	8.85	9.68	6.75	7.95	6.60	5.64	4.32	4.20 CMS
RUNOFF	20.128	28.468	55.358	121.495	36.868	84.390	59.098	29.796	61.675	24.812	17.601	15.678	555.368 MCM

MOMENTARY PEAK 208.86 CMS, AT 6.89 M (A.D), AT 12.00 HOURS, ON SEP 8, 1984

RUNOFF YIELD 31.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 378.37 LITERS/SECOND/SQUARE KM

SUSPENDED SEDIMENT STATIONS

1. Nam Mae Chaem at Kaeng Ob Luang, Chiang Mai (P.14)
2. Ping River at Ban Tha Sala, Chiang Mai (P.19A)
3. Yom River at Ban Kaeng Luang, Sukhothai (Y.6)
4. Yom River at Ban Don Rabiang, Sukhothai (Y.14)
5. Yom River at Ban Ngao Sak, Phrae (Y.20)
6. NanRiver at Nan, Nan (N.1)
7. Nan River at Phitsanulok, Phitsanulok (N.5A)
8. Nam Pat at Ban Wang Bang, Uttaradit (N.33)
9. Chao Phraya River at Nakhon Sawan, Nakhon Sawan (C.2)
10. Nam Mae Wong at Ban Pong Makha, Kamphaeng Phet (Ct.5A)
11. Pasak River at Ban Muang Nua, Saraburi (S.9)
12. Huai Nam Kam at Ban Dan Muang Kham, Sakon Nakhon (Kh.63)
13. Lam Nam Bang at Ban Dong I Nam, Nakhon Phanom (Kh.66)
14. Chi River at BanTha Phra, Khon Kaen (E.16A)
15. Chi River at Ban Nong O, Chaiyaphum (E.32A)
16. Chi River at Ban Khok Phangat, Chaiyaphum (E.60)
17. Mun River at Seri Prachathippatai Bridge, Ubon Ratchathani (M.7)
18. Lam Dom Yai at Det Udom, Ubon Ratchathani (M.80)
19. Lam Takhong at Pak Chong, Nakhon Ratchasima (M.89)
20. Huai Lam Plai Mat at Ban Non Sombun, Nakhon Ratchasima (M.121)
21. PrachinBuri River at Kabin Buri, Prachin Buri (Kgt.3)
22. Khlong Phra Sathung at Ban Wang Khian, Prachin Buri (Kgt.10)
23. Khlong Phra Prong at Ban Kaeng, Prachin Buri (Kgt.12)
24. Huai Yang at Ban Thung Faek, Prachin Buri (Kgt.14)
25. Chanthaburi River at Ban Puk, Chanthaburi (Z.13)
26. Khwae Noi River at Ban Lum Sum, Kanchanaburi (K.10)
27. Khwae Yai River at Ban Wang Yai, Kanchanaburi (K.27)
28. Huai Mae Prachan at Ban Sa Yai Non, Phetchaburi (B.6)
29. Khlong Bang Saphan Yai at Ban Wang Yao, Prachuap Khiri Khan (Gt.7)
30. Thale Sap Songkhla at Ban Khamphaeng Phet, Songkhla (X.67)
31. Khlong Tha Khae at BanTha Khae, Phatthalung (X.68)
32. Khlong U Taphao at Ban Bang Sala, Songkhla (X.90)
33. Khlong Takhian at Ban Rim Khlong, Surat Thani (X.103)
34. Khlong Tha Krachai at Ban Samo Thong, Surat Thani (X.104)
35. Khlong Sadao at Ban Phrai, Songkhla (X.111)
36. Khlong Lam at Ban Thung Prap (1), Songkhla (X.113)
37. Kolok River at Sungai Kolok, Narathiwat (X.119)
38. Trang River at Ban Wang Yi, Trang (X.128A)
39. Khlong Tha Ma Dua at Ban Khlong Ai To, Phatthalung (X.129)

WATER YEAR 1984

PING RIVER BASIN

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

LOCATION	LAT. 18-13-49 N., LONG. 98-33-35 E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT GUIDEPOST 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967-1975,1983 TO DATE
ACTUAL MEASUREMENT	1970-1971,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983-1986

RID COMPUTER CENTER

47-1602001

STATION - KAENG OB LUANG, HOT, CHIANG MAI, P.14
STREAM - MAE CHAEM
RIVER - PING
RIVER SYSTEM - PING

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

QS = 0.0399 QW 2.83994

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.8	12.0	224.5	42.1	843.6	1627.5	34451.1	1549.5	337.2	83.9	25.3	8.1	
2	4.8	9.3	551.2	34.7	724.5	2245.0	92049.4	1409.0	293.9	70.8	25.3	8.1	
3	4.8	8.1	315.1	42.1	435.7	4156.9	31968.1	1276.9	293.9	70.8	23.0	7.2	
4	3.6	7.2	209.1	64.7	409.5	5625.1	8790.5	1153.2	275.4	70.8	23.0	7.2	
5	4.2	5.6	114.6	98.5	462.9	7660.2	4496.7	1094.4	275.4	70.8	20.9	7.2	
6	4.2	4.8	54.9	70.8	616.8	5039.3	3834.2	1037.5	240.8	64.7	20.9	7.2	
7	4.2	77.1	141.9	2148.9	409.5	2554.6	7660.2	982.6	240.8	64.7	18.8	6.3	
8	4.8	70.8	462.9	59.7	491.2	6479.5	10348.4	929.6	224.5	64.7	18.8	5.6	
9	4.8	91.0	1214.0	98.5	462.9	4324.6	6936.5	982.6	224.5	64.7	16.9	5.6	
10	4.8	31.4	275.4	91.0	583.4	2554.6	3679.1	929.6	194.3	59.7	15.2	5.6	
11	8.1	28.2	106.4	491.2	843.6	3146.5	5625.1	802.6	180.2	50.4	15.2	5.6	
12	12.0	18.8	551.2	982.6	1876.4	2055.4	5625.1	724.5	166.8	50.4	15.2	4.8	
13	98.5	12.0	885.9	982.6	1549.5	1549.5	9705.4	724.5	154.0	50.4	15.2	4.8	
14	275.4	8.1	224.5	843.6	843.6	1627.5	9393.9	687.3	154.0	46.1	13.5	3.6	
15	98.5	7.2	106.4	1478.2	982.6	1964.6	6479.5	651.5	132.4	46.1	15.2	3.6	
16	34.7	7.2	91.0	3021.7	2900.2	1707.9	5831.4	616.8	123.3	46.1	13.5	3.6	
17	23.0	12.0	59.7	2781.8	5625.1	2245.0	9393.9	616.8	123.3	38.3	13.5	4.2	
18	13.5	38.3	54.9	1627.5	2666.7	2148.9	11402.3	616.8	123.3	38.3	13.5	3.6	
19	9.3	16.9	98.5	724.5	2666.7	1876.4	10023.6	583.4	123.3	42.1	13.5	4.2	
20	8.1	10.6	194.3	337.2	5039.3	7660.2	19640.3	583.4	123.3	42.1	13.5	3.6	
21	7.2	13.5	224.5	209.1	8212.8	3834.2	92049.4	520.7	106.4	42.1	10.6	2.6	
22	6.3	18.8	293.9	154.0	10348.4	4854.0	27425.0	491.2	98.5	46.1	9.3	3.1	
23	12.0	23.0	209.1	123.3	3274.7	6042.5	48395.9	491.2	91.0	38.3	10.6	3.1	
24	34.7	16.9	209.1	257.7	4324.6	2554.6	26009.5	462.9	98.5	38.3	10.6	3.1	
25	83.9	20.9	123.3	257.7	1549.5	1341.9	9393.9	409.5	98.5	34.7	10.6	2.6	
26	31.4	20.9	70.8	166.8	1276.9	802.6	5423.6	384.4	98.5	34.7	10.6	3.1	
27	28.2	83.9	46.1	123.3	1094.4	1094.4	3540.9	384.4	98.5	34.7	9.3	3.1	
28	28.2	83.9	54.9	114.6	1094.4	1214.0	2554.6	337.2	83.9	34.7	9.3	3.1	
29	16.9	50.4	54.9	209.1	1214.0	1276.9	2344.0	337.2	83.9	31.4		3.1	
30	12.0	42.1	54.9	1707.9	982.6	1478.2	1964.6	360.3	83.9	31.4		3.1	
31		77.1		1478.2	982.6		1707.9		83.9	28.2		3.1	
TOTAL	886.9	928.0	7277.9	20823.6	64788.6	92742.5	518144.0	22131.5	5030.1	1530.5	430.8	142.8	734857.3 TONDAY
MEAN	29.6	29.9	242.6	671.7	2090.0	3091.4	16714.3	737.7	162.3	49.4	15.4	4.6	
MAX	275.4	91.0	1214.0	3021.7	10348.4	7660.2	92049.4	1549.5	337.2	83.9	25.3	8.1	92049.4
MIN	3.6	4.8	46.1	34.7	409.5	802.6	1707.9	337.2	83.9	28.2	9.3	2.6	2.6

WATER YEAR 1984

PING RIVER BASIN

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

LOCATION	LAT. 18-25-19 N., LONG. 98-42-17 E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1958 TO DATE
ACTUAL MEASUREMENT	1966-1968,1970-1972,1974-1979
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1968,1970-1972,1974-1979

RID COMPUTER CENTER

47-1602001

STATION - BAN THA SALA, CHOM THONG, CHIANG MAI, P.19A
STREAM - PING
RIVER - PING
RIVER SYSTEM - PING

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.43251
QS = 1.4660 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.1	3.7	237.8	10.0	390.1	571.3	951.9	1818.6	390.1	14.2	16.5	19.9	
2	0.1	3.7	264.6	9.0	359.8	1325.6	2191.8	1286.4	379.9	19.9	17.7	19.9	
3	0.0	3.0	301.6	13.1	359.8	2929.0	3063.2	1059.0	349.9	19.9	15.4	15.4	
4	0.0	1.7	369.8	9.0	273.7	4609.5	3302.5	1059.0	349.9	16.5	15.4	13.1	
5	0.0	0.3	465.8	13.1	229.1	5430.4	2666.0	871.4	330.4	15.4	16.5	11.0	
6	0.0	0.2	477.2	12.0	229.1	6060.9	1972.0	1004.3	311.1	15.4	16.5	9.0	
7	0.0	0.2	477.2	10.0	264.6	6459.2	1793.4	1152.1	273.7	17.7	15.4	7.1	
8	0.0	1.7	559.3	8.0	465.8	6509.5	2278.2	935.6	264.6	17.7	12.0	5.3	
9	0.0	14.2	620.3	8.0	732.0	6409.0	2829.5	839.8	264.6	16.5	9.0	4.5	
10	0.0	26.9	716.9	9.0	657.8	6259.1	3233.6	839.8	264.6	15.4	9.0	4.5	
11	0.0	34.5	645.2	11.0	523.6	5767.3	2796.6	887.3	246.7	15.4	9.0	7.1	
12	0.0	86.7	523.6	12.0	511.9	4959.8	2278.2	887.3	264.6	16.5	8.0	9.0	
13	0.0	76.1	657.8	15.4	762.3	4072.4	1997.9	871.4	237.8	24.5	8.0	10.0	
14	0.0	65.9	839.8	31.9	951.9	3097.1	2220.5	839.8	212.9	26.9	7.1	10.0	
15	0.2	56.2	687.2	56.2	903.3	2336.4	2454.0	793.0	197.0	26.9	8.0	10.0	
16	10.0	42.6	477.2	103.3	986.2	1745.1	2220.5	657.8	181.5	37.1	9.0	11.0	
17	10.0	34.5	349.9	220.9	1972.0	1491.7	1946.2	607.9	181.5	39.8	9.0	10.0	
18	8.0	29.3	340.1	400.3	2962.4	1306.0	2134.8	595.7	189.2	37.1	8.0	9.0	
19	8.0	24.5	282.9	410.6	3302.5	1247.6	3063.2	559.3	197.0	39.8	5.3	8.0	
20	5.3	19.9	181.5	311.1	2603.5	1325.6	3952.1	559.3	189.2	42.6	4.5	9.0	
21	3.0	31.9	114.9	229.1	2106.5	1673.4	5099.6	523.6	166.4	34.5	5.3	10.0	
22	2.3	103.3	103.3	139.1	1769.2	1555.9	5718.8	523.6	145.4	31.9	7.1	11.0	
23	3.0	92.1	86.7	103.3	1449.4	1325.6	6865.2	500.3	109.0	34.5	10.0	12.0	
24	4.5	114.9	103.3	114.9	1152.1	1114.6	8723.5	477.2	92.1	31.9	13.1	13.1	
25	5.3	126.8	76.1	109.0	777.6	919.4	8137.3	454.5	97.7	26.9	26.9	13.1	
26	5.3	97.7	51.5	92.1	607.9	747.1	6358.9	454.5	65.9	22.2	26.9	14.2	
27	7.1	81.3	42.6	61.0	571.3	60 .9	4913.5	443.3	42.6	16.5	26.9	15.4	
28	6.2	97.7	29.3	37.1	547.3	583.5	3912.3	421.0	24.5	16.5	24.5	15.4	
29	6.2	166.4	17.7	42.6	571.3	432.1	3029.5	390.1	15.4	16.5		16.5	
30	4.5	189.2	14.2	109.0	547.3	432.1	2365.6	359.8	12.0	17.7		19.9	
31		204.9		237.8	500.3		2050.1		12.0	14.2		22.2	
TOTAL	89.1	1832.0	10115.3	2948.9	30041.6	83304.1	106520.4	22672.7	6059.2	738.5	360.0	365.6	265047.4 TONDAY
MEAN	3.0	59.1	337.2	95.1	969.1	2776.8	3436.1	755.8	195.5	23.8	12.9	11.8	
MAX	10.0	204.9	839.8	410.6	3302.5	6509.5	8723.5	1818.6	390.1	42.6	26.9	22.2	8723.5
MIN	0.0	0.2	14.2	8.0	229.1	432.1	951.9	359.8	12.0	14.2	4.5	4.5	0.0

WATER YEAR 1984

YOM RIVER BASIN

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

LOCATION	LAT. 17-26-03 N., LONG. 99-47-32 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,658 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1953-1975,1980 TO DATE
ACTUAL MEASUREMENT	1952,1963-1966,1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN KAENG LUANG, SI SATCHANALAI, P.SUKHOTHAI, Y.6
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.48495

QS = 1.4234 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.0	40.9	256.0	112.8	953.5	871.5	2322.4	1025.1	335.6	53.5	22.4	10.7	
2	14.6	31.2	200.6	87.4	637.4	1222.9	5881.2	887.0	313.2	51.4	21.4	10.7	
3	13.3	24.5	126.2	91.5	514.4	2230.7	7679.1	795.3	298.5	49.4	20.4	10.1	
4	12.0	24.5	108.4	256.0	438.3	6586.9	6586.9	739.2	298.5	49.4	19.6	10.1	
5	10.1	28.9	200.6	205.9	366.2	13379.2	4392.7	687.7	279.4	47.4	19.6	10.1	
6	9.5	27.8	291.3	216.7	343.2	17486.2	3142.2	675.0	273.5	45.4	18.9	10.1	
7	9.5	26.7	238.9	244.6	328.1	17130.4	4250.7	626.6	244.6	45.4	18.1	9.5	
8	9.0	59.8	505.8	675.0	279.4	13379.2	3985.3	583.9	222.2	43.5	18.1	9.0	
9	7.8	164.5	1706.6	649.9	238.9	17991.9	2823.8	552.5	195.3	42.2	17.4	8.4	
10	7.3	305.8	1630.1	430.1	238.9	39009.2	2509.4	583.9	205.9	40.9	18.1	7.8	
11	6.2	179.7	902.6	305.8	267.6	27093.5	3346.8	605.1	179.7	39.7	18.9	9.0	
12	6.2	145.0	1417.7	267.6	313.2	16659.8	3513.5	542.2	184.8	37.2	18.1	9.0	
13	6.2	195.3	1286.8	298.5	405.7	9664.4	2636.7	505.8	184.8	36.0	16.7	8.4	
14	7.8	117.2	1286.8	320.6	1007.0	6113.5	2509.4	480.1	159.5	34.8	16.0	7.8	
15	18.1	190.0	2446.5	381.9	840.7	5036.8	2446.5	480.1	140.2	34.8	15.3	7.3	
16	28.9	140.2	1484.7	637.4	871.5	4445.3	2823.8	446.5	145.0	34.8	15.3	7.3	
17	23.5	130.8	935.8	1222.9	810.3	4392.7	3429.8	381.9	117.2	34.8	15.3	7.3	
18	51.4	87.4	662.4	2604.7	902.6	3223.6	3985.3	374.0	108.4	33.6	15.3	7.3	
19	38.4	335.6	463.2	2415.3	2080.6	2668.8	11281.7	397.7	95.6	33.6	14.6	7.3	
20	28.9	374.0	358.5	1462.3	3264.5	2353.2	19965.7	405.7	84.9	31.2	14.6	8.4	
21	26.7	216.7	313.2	1007.0	5036.8	2261.1	26619.7	389.8	82.6	30.1	13.9	7.8	
22	24.5	389.8	267.6	902.6	4551.0	3471.6	12516.4	366.2	77.8	28.9	12.6	7.8	
23	21.4	1579.8	261.8	1061.6	3941.6	3264.5	8533.4	374.0	75.5	27.8	12.0	7.8	
24	18.9	953.5	261.8	626.6	2902.4	2322.4	8031.5	374.0	68.6	26.7	12.0	7.8	
25	16.7	573.4	238.9	471.6	1916.1	1916.1	4927.4	374.0	66.4	25.6	12.0	7.8	
26	14.6	497.2	195.3	374.0	1308.4	1758.2	3388.3	374.0	68.6	25.6	12.0	7.8	
27	13.9	446.5	159.5	305.8	1007.0	1417.7	2541.0	366.2	66.4	24.5	11.4	7.3	
28	12.6	374.0	145.0	261.8	795.3	1043.3	2023.7	358.5	62.0	24.5	11.4	6.7	
29	13.9	463.2	121.7	261.8	687.7	887.0	1630.1	335.6	59.8	23.5		6.7	
30	49.4	279.4	95.6	552.5	726.2	1007.0	1351.8	335.6	57.7	23.5		7.3	
31		238.9		1079.9	780.3		1201.9		55.6	22.4		10.1	
TOTAL	537.3	8642.2	18569.9	19792.1	38754.8	230288.6	172278.1	15423.2	4807.8	1102.1	451.4	260.5	510908.0 TONDAY
MEAN	17.9	278.8	619.0	638.5	1250.2	7676.3	5557.4	514.1	155.1	35.6	16.1	8.4	
MAX	51.4	1579.8	2446.5	2604.7	5036.8	39009.2	26619.7	1025.1	335.6	53.5	22.4	10.7	39009.2
MIN	6.2	24.5	95.6	87.4	238.9	871.5	1201.9	335.6	55.6	22.4	11.4	6.7	6.2

WATER YEAR 1984

YOM RIVER BASIN

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

LOCATION LAT. 17-35-42 N., LONG. 99-43-08 E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT GUIDEPOST 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.

DRAINAGE AREA 12,131 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1964 TO DATE

ACTUAL MEASUREMENT 1969-1971,1973 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1978-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN DONRABIANG, SI STACHANALAI, SUKHOTHAI, Y.14
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.46006

QS = 1.8913 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.4	40.8	220.1	104.4	816.4	948.5	2381.0	842.7	264.7	49.8	17.6	4.8	
2	8.5	28.4	155.6	89.2	557.0	1360.1	5677.0	764.6	258.2	49.8	17.6	4.5	
3	6.0	21.0	100.5	116.4	444.9	2794.6	7186.4	701.4	245.3	49.8	15.9	4.5	
4	4.8	30.4	112.3	207.9	361.2	8827.0	5766.7	640.0	232.6	49.8	15.9	4.5	
5	4.5	30.4	201.8	178.2	304.9	14606.4	3742.0	604.0	226.3	47.5	14.3	4.1	
6	4.1	22.8	238.9	207.9	298.1	18230.1	2764.4	568.6	220.1	47.5	13.3	3.8	
7	3.8	52.2	189.9	264.7	271.3	17504.0	4344.9	522.5	201.8	45.3	13.3	3.8	
8	3.4	178.2	664.3	777.5	232.6	12803.0	3586.1	488.8	172.5	43.0	13.3	3.8	
9	2.8	201.8	2555.7	511.2	201.8	19710.0	2526.3	477.7	166.8	43.0	13.3	3.8	
10	2.5	251.7	1379.9	331.3	226.3	42969.6	2381.0	533.9	166.8	38.7	13.3	3.4	
11	2.2	139.3	764.6	245.3	238.9	24688.7	3324.1	500.0	144.6	36.5	12.3	3.4	
12	1.9	207.9	1794.1	245.3	298.1	16017.8	3228.6	444.9	144.6	34.5	11.3	3.4	
13	2.2	150.1	1074.3	277.9	466.7	8637.8	2409.8	412.9	155.6	32.4	10.3	3.1	
14	9.4	144.6	1521.0	298.1	1001.8	5543.2	2555.7	402.4	133.9	30.4	10.3	2.8	
15	24.6	178.2	2295.1	361.2	803.4	4889.8	2295.1	412.9	128.7	34.5	10.3	2.8	
16	24.6	133.9	1262.5	751.8	896.0	4427.4	2825.0	331.3	124.5	32.4	9.4	2.8	
17	47.5	120.4	790.4	1582.7	764.6	4222.1	3071.3	291.3	108.4	30.4	8.5	2.5	
18	57.8	92.9	557.0	3009.1	1019.8	3009.1	3470.5	298.1	100.5	30.4	8.5	2.5	
19	36.5	381.6	351.2	2126.3	2467.8	2555.7	11979.8	321.5	96.7	28.4	8.5	2.5	
20	30.4	304.9	284.6	1243.3	3900.0	2210.2	22457.2	321.5	89.2	28.4	7.6	2.5	
21	26.5	189.9	251.7	869.2	5148.1	2323.6	26084.7	284.6	81.8	28.4	7.6	2.5	
22	21.0	713.9	226.3	913.4	4804.7	3624.8	10822.3	291.3	81.8	26.5	6.8	2.5	
23	14.3	1603.5	226.3	855.9	3742.0	2947.3	7590.3	304.9	78.2	24.6	6.0	2.5	
24	11.3	777.5	226.3	522.5	2704.2	2154.2	6910.0	304.9	67.8	22.8	5.2	2.5	
25	9.4	477.7	195.9	381.6	1687.4	1815.7	4262.9	298.1	67.8	21.0	5.2	2.5	
26	8.5	488.8	161.2	298.1	1111.2	1687.4	3040.2	298.1	67.8	21.0	5.2	2.2	
27	7.6	298.1	139.3	251.7	913.4	1262.5	2295.1	284.6	61.0	21.0	5.2	2.2	
28	6.0	488.8	124.5	226.3	640.0	913.4	1815.7	284.6	61.0	21.0	4.8	2.2	
29	36.5	321.5	108.4	258.2	640.0	751.8	1439.8	277.9	57.8	19.3		2.2	
30	22.8	226.3	96.7	751.8	816.4	1056.1	1186.1	271.3	57.8	19.3		1.9	
31		207.9		1148.5	701.4		983.9		52.2	19.3		1.9	
TOTAL	450.8	8505.4	18270.4	19406.9	38480.4	234491.9	164403.9	12781.3	4116.8	1026.7	290.8	94.4	502319.8 TONDAY
MEAN	15.0	274.4	609.0	626.0	1241.3	7816.4	5303.4	426.0	132.8	33.1	10.4	3.0	
MAX	57.8	1603.5	2555.7	3009.1	5148.1	42969.6	26084.7	842.7	264.7	49.8	17.6	4.8	42969.6
MIN	1.9	21.0	96.7	89.2	201.8	751.8	983.9	271.3	52.2	19.3	4.8	1.9	1.9

WATER YEAR 1984

YOM RIVER BASIN

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

LOCATION	LAT. 18-35-03 N., LONG. 100-09-17 E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.
DRAINAGE AREA	5,410 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN NGAO SAK, SONG, PHRAE, Y.20
STREAM - YOM
RIVER - YOM
RIVER SYSTEM - YOM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.01682
QS = 87.9113 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL	
1	105.8	617.4	1053.4	1146.6	2603.4	14705.8	11065.7	3494.3	1661.2	617.4	350.8	141.8		
2	105.8	802.4	913.8	1100.0	2414.4	14005.7	9238.3	3266.5	1567.4	617.4	350.8	141.8		
3	105.8	802.4	913.8	1053.4	2178.6	21470.3	7166.8	3124.2	1473.7	617.4	323.4	123.8		
4	105.8	728.3	1053.4	1239.9	1990.2	28477.4	5669.8	3029.4	1473.7	580.5	323.4	105.8		
5	105.8	460.8	4522.7	1053.4	1661.2	31923.2	5153.1	2839.9	1426.9	580.5	296.0	105.8		
6	105.8	433.3	8360.4	2461.6	1661.2	25313.3	6014.7	2792.6	1380.1	543.6	268.7	105.8		
7	87.9	433.3	4236.6	2084.3	2887.3	27513.8	6360.0	2650.7	1333.3	543.6	268.7	105.8		
8	105.8	876.7	4751.7	1708.1	2792.6	75796.3	6763.2	2556.1	1239.9	543.6	268.7	105.8		
9	350.8	1567.4	4408.2	2698.0	2792.6	36599.6	3608.4	2508.9	1146.6	516.0	268.7	105.8		
10	177.9	2084.3	3494.3	2603.4	9508.6	29441.6	8765.4	2461.6	1146.6	516.0	268.7	105.8		
11	141.8	1755.1	4637.2	3380.4	8697.9	20071.2	7109.1	2414.4	1100.0	516.0	250.5	87.9		
12	250.5	1755.1	14618.3	5267.8	6705.5	14618.3	6187.3	2367.2	1053.4	488.4	250.5	87.9		
13	232.3	1333.3	7166.8	4923.7	7686.2	12015.3	8158.1	2272.9	1053.4	488.4	232.3	79.0		
14	1053.4	960.3	5612.3	4408.2	6244.9	11947.4	8360.4	2225.7	1053.4	460.8	214.1	79.0		
15	617.4	2839.9	4637.2	5497.5	6475.1	10117.5	6244.9	2225.7	1006.8	460.8	214.1	79.0		
16	296.0	3171.6	3266.5	6763.2	11947.4	9305.8	5153.1	2131.4	960.3	433.3	214.1	79.0		
17	250.5	2084.3	2461.6	5727.3	13830.7	7618.8	5554.9	2084.3	913.8	433.3	214.1	70.1		
18	232.3	2225.7	1849.1	4637.2	18243.9	7349.5	17072.9	1943.1	876.7	433.3	214.1	70.1		
19	232.3	9576.3	1473.7	3779.5	13568.3	10726.9	47012.2	1943.1	839.5	433.3	214.1	70.1		
20	214.1	11608.2	1333.3	3076.8	14530.7	12791.4	21793.4	1943.1	839.5	433.3	196.0	70.1		
21	196.0	5727.3	1286.6	2650.7	12170.5	9576.3	15513.7	1943.1	802.4	405.7	177.9	61.2		
22	159.8	4408.2	1239.9	2414.4	9035.6	8360.4	11472.5	1849.1	802.4	405.7	177.9	61.2		
23	3219.0	3608.4	1100.0	2556.1	6763.2	8630.4	9238.3	1943.1	765.4	405.7	177.9	61.2		
24	3171.6	2887.3	960.3	3551.4	5153.1	7051.4	7686.2	1943.1	765.4	405.7	177.9	61.2		
25	1053.4	3323.4	1053.4	2792.6	4579.9	5554.9	6705.5	1943.1	765.4	405.7	159.8	61.2		
26	728.3	2037.2	960.3	2225.7	4065.1	4866.3	5899.7	1849.1	728.3	378.2	159.8	52.3		
27	765.4	1849.1	1100.0	1849.1	4008.0	4351.0	5210.4	1802.1	728.3	378.2	159.8	52.3		
28	691.3	2320.0	1146.6	1661.2	3893.7	3893.7	4751.7	1755.1	691.3	378.2	159.8	52.3		
29	617.4	1802.1	1053.4	3076.8	4008.0	3893.7	4179.4	1661.2	691.3	350.8		43.4		
30	405.7	1380.1	1239.9	4065.1	6763.2	5727.3	3893.7	1661.2	691.3	350.8		43.4		
31		1193.2		3266.5	4179.4		3722.5		654.3	350.8		43.4		
TOTAL	15885.7	76652.4	91904.7	94719.9	203040.4	483714.6	280725.3	68625.3	31632.0	14472.4	6552.6	2513.3	1370438.6	TONDAY
MEAN	529.5	2472.7	3063.5	3055.5	6549.7	16123.8	9055.7	2287.5	1020.4	466.9	234.0	81.1		
MAX	3219.0	11608.2	14618.3	6763.2	18243.9	75796.3	47012.2	3494.3	1661.2	617.4	350.8	141.8	75796.3	
MIN	87.9	433.3	913.8	1053.4	1661.2	3893.7	3608.4	1661.2	654.3	350.8	159.8	43.4	43.4	

WATER YEAR 1984

NAN RIVER BASIN

NAN RIVER AT NAN, NAN (N.1)

LOCATION	LAT. 18-46-23 N., LONG. 100-46-51 E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.
DRAINAGE AREA	4,609 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1982 TO DATE
ACTUAL MEASUREMENT	1982 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1982-1984

RID COMPUTER CENTER

47-1602001

STATION - FORESTRY OFFICE, MUANG, NAN, N.1
STREAM - NAN
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

2.13535
QS = 0.0380 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.7	6.4	80.0	946.8	1175.3	53138.5	1243.7	350.6	94.9	28.0	7.7	2.4	
2	0.7	8.4	75.4	869.1	844.0	78986.7	1386.6	324.0	89.8	25.3	7.7	2.4	
3	0.7	7.0	89.8	1243.7	657.1	109180.4	1000.6	298.6	84.8	25.3	7.7	2.4	
4	0.7	5.2	100.2	2810.9	596.2	133632.0	973.5	274.3	80.0	25.3	7.7	2.4	
5	0.7	3.7	117.0	12163.5	1350.1	80179.0	3930.4	274.3	80.0	22.8	7.0	2.4	
6	0.7	5.2	168.4	4159.7	5959.7	41412.6	3108.6	262.6	75.4	22.8	7.7	2.4	
7	0.7	10.7	337.2	4889.1	9223.5	81380.8	2481.7	251.1	70.8	20.4	7.7	2.4	
8	0.7	36.7	469.0	17600.4	7789.3	80179.0	2983.7	229.0	58.2	14.2	7.7	2.4	
9	0.9	46.8	486.2	6370.9	34843.4	34843.4	2429.0	218.3	54.2	11.5	7.7	2.4	
10	2.4	58.2	324.0	10347.7	113635.7	24065.0	2028.6	207.9	54.2	11.5	7.7	2.4	
11	2.1	50.4	262.6	60131.0	41412.6	16572.9	1350.1	190.2	50.4	11.5	7.0	2.4	
12	2.4	36.7	239.9	21387.3	24640.6	11850.0	1084.2	190.2	46.8	11.5	5.8	2.1	
13	3.7	18.2	364.2	17600.4	15383.1	8953.1	1055.9	175.5	43.3	11.5	4.7	1.7	
14	8.4	16.1	657.1	20616.7	12481.3	8296.0	1175.3	154.6	39.9	11.5	4.1	1.2	
15	9.9	62.2	503.7	99249.9	93273.1	5866.2	844.0	147.9	36.7	10.7	4.1	1.2	
16	7.7	66.5	378.2	53138.5	70434.0	5773.5	795.0	147.9	36.7	9.9	3.7	1.2	
17	5.8	66.5	239.9	28873.7	78394.2	5500.0	795.0	141.4	39.9	9.9	3.7	1.2	
18	4.7	795.0	161.4	12641.9	44526.4	4082.5	3432.7	135.1	39.9	9.9	3.2	1.2	
19	2.8	1842.7	105.6	5590.3	25223.5	5146.2	7914.4	135.1	39.9	9.9	3.2	1.2	
20	2.4	973.5	111.2	3301.0	24931.2	4557.2	4316.4	128.9	39.9	9.9	3.2	1.2	
21	2.1	392.4	147.9	6596.8	21387.3	4082.5	2867.9	117.0	39.9	9.1	3.2	1.2	
22	6.4	175.5	168.4	6370.9	12163.5	3708.1	1888.3	117.0	39.9	9.1	2.8	1.2	
23	25.3	161.4	337.2	6054.1	8296.0	3045.8	1423.6	117.0	39.9	8.4	2.8	1.2	
24	16.1	122.8	421.7	4006.1	5959.7	3108.6	1084.2	117.0	39.9	8.4	2.8	1.2	
25	9.1	89.8	421.7	2274.3	4805.0	2224.0	819.3	111.2	39.9	8.4	2.8	1.2	
26	6.4	298.6	298.6	1666.3	4721.6	1842.7	747.5	111.2	39.9	7.7	2.4	1.2	
27	5.8	207.9	1000.6	1175.3	6370.9	1540.1	747.5	111.2	39.9	7.7	2.4	1.2	
28	5.2	135.1	3635.5	1461.2	10787.0	1314.1	747.5	100.2	36.7	7.7	2.4	1.2	
29	4.7	94.9	1209.2	2325.3	11540.9	1209.2	747.5	105.6	33.7	7.7		1.2	
30	3.2	89.8	819.3	3301.0	30148.9	1112.8	701.5	100.2	30.7	7.7		1.2	
31		94.9		1623.6	47448.6		503.7		28.0	7.7		1.2	
TOTAL	143.1	5979.2	13731.1	420787.5	770403.7	816782.9	56607.9	5345.1	1564.1	402.9	140.6	51.8	2091940.0 TONDAY
MEAN	4.8	192.9	457.7	13573.8	24851.7	27226.1	1826.1	178.2	50.5	13.0	5.0	1.7	
MAX	25.3	1842.7	3635.5	99249.9	113635.7	133632.0	7914.4	350.6	94.9	28.0	7.7	2.4	133632.0
MIN	0.7	3.7	75.4	869.1	596.2	1112.8	503.7	100.2	28.0	7.7	2.4	1.2	0.7

WATER YEAR 1984

NAN RIVER BASIN

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

LOCATION	LAT. 16-49-15 N., LONG. 100-15-49 E., ON LEFT BANK NEAR THE POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1951-1956,1983 TO DATE
ACTUAL MEASUREMENT	1950-1951,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983-1984

RID COMPUTER CENTER

47-1602001

STATION - A.MUANG, MUANG, PHITSANLOK, N.5A
STREAM - NAN
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

2.09235
QS = 0.0276 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL	
1	4337.7	2619.5	2140.7	490.4	2619.5	8338.4	10692.6	376.1	1975.1	537.4	2055.0	5363.4		
2	1190.7	3333.4	2014.8	498.1	1916.2	11347.4	12796.7	382.8	1763.8	467.8	1635.8	4518.5		
3	970.2	2279.0	1444.9	982.5	1565.0	10981.1	21426.2	629.4	1708.3	376.1	1975.1	4195.8		
4	3555.4	3029.2	1653.8	840.0	751.5	9243.5	28205.6	710.3	1653.8	773.2	1600.2	4302.0		
5	4555.1	2721.4	1495.8	498.1	740.8	11795.3	23214.0	840.0	1444.9	1007.4	1478.7	1955.3		
6	4740.6	3029.2	2421.9	806.2	620.7	15081.6	16871.2	1362.2	1150.1	1058.2	1994.9	3088.8		
7	4703.2	2940.9	4555.1	1190.7	382.8	22489.9	13273.3	3818.3	1478.7	1530.2	2349.9	5234.3		
8	5363.4	2853.9	6793.8	1190.7	396.3	24322.7	8592.0	6551.1	1478.7	1444.9	2302.5	5805.6		
9	4337.7	2644.8	6696.2	1235.2	691.9	27216.5	4266.4	5896.2	1266.3	376.1	2232.4	6991.2		
10	5896.2	2670.2	7810.6	1653.8	1726.7	33273.1	3029.2	5805.6	1635.8	1084.0	2644.8	6313.1		
11	2721.4	2118.1	6793.8	2594.4	2034.8	31889.2	2940.9	5760.5	1565.0	1820.2	2163.4	6360.3		
12	3491.2	1495.8	4856.9	2446.2	2326.2	29504.5	3118.8	5805.6	1478.7	1150.1	2186.3	6172.5		
13	3427.6	1916.2	8592.0	3491.2	2495.1	22609.8	2349.9	5715.7	1190.7	1395.0	3240.5	5538.1		
14	3784.9	817.4	10408.1	3523.2	1346.0	16294.8	1916.2	4555.1	1235.2	1411.5	3523.2	7199.4		
15	2825.2	595.1	7867.4	3271.3	2055.0	17065.7	2075.2	3652.8	1058.2	933.7	3652.8	9376.7		
16	4056.4	806.2	6360.3	2747.1	3587.7	20503.3	2594.4	3751.7	982.5	1428.2	3652.8	5671.0		
17	4021.9	1250.7	4740.6	2825.2	4856.9	25714.3	3271.3	3587.7	1032.6	1671.9	3652.8	3333.4		
18	4056.4	1266.3	3271.3	3919.4	5320.2	21426.2	7754.0	3652.8	817.4	1916.2	3784.9	5106.9		
19	3459.3	1250.7	2034.8	2970.1	6033.5	15265.1	10621.1	3271.3	595.1	1582.5	3271.3	6313.1		
20	3652.8	886.3	1782.5	2095.6	7363.5	11720.0	14359.4	2911.7	445.7	1565.0	4518.5	6696.2		
21	3919.4	958.0	2326.2	1235.2	6266.0	9782.5	14270.4	3953.4	505.9	1916.2	5234.3	7308.6		
22	4125.8	1020.0	1745.2	898.0	7529.6	6647.7	8401.4	2911.7	673.7	1329.8	3919.4	5850.8		
23	3652.8	1032.6	1378.5	719.6	9243.5	7091.1	3652.8	3987.6	570.0	1745.2	2799.1	6266.0		
24	4195.8	719.6	1547.5	740.8	9443.7	8213.1	2373.8	3685.6	403.2	1163.5	3209.9	5671.0		
25	3851.9	730.2	1565.0	553.6	9443.7	5363.4	20049.8	2825.2	331.0	2326.2	3333.4	5671.0		
26	4302.0	958.0	1110.2	438.5	9443.7	5805.6	3029.2	2999.6	299.2	2446.2	4195.8	5494.1		
27	4482.0	921.7	806.2	254.5	9376.7	4815.9	2773.0	2747.1	288.9	1877.5	4740.6	9177.2		
28	3953.4	1123.4	828.7	235.9	6503.2	4665.9	1916.2	2446.2	382.8	2034.8	5450.4	9988.8		
29	4409.6	1896.8	673.7	553.6	6696.2	6360.3	1204.4	1582.5	740.8	1896.8		8401.4		
30	3919.4	1618.0	521.5	1045.3	7867.4	7697.5	2118.1	2095.6	561.8	2163.4		7091.1		
31		1858.3		1444.9	8213.1		410.1		561.8	2326.2		7529.6		
TOTAL	115959.4	53360.9	106238.0	47389.3	138857.1	452525.4	253567.6	98271.4	31275.7	44755.4	86798.7	187985.2	1616984.3	TONDAY
MEAN	3865.3	1721.3	3541.3	1528.7	4479.3	15084.2	8179.6	3275.7	1008.9	1443.7	3100.0	6064.0		
MAX	5896.2	3333.4	10408.1	3919.4	9443.7	33273.1	28205.6	6551.1	1975.1	2446.2	5450.4	9988.8	33273.1	
MIN	970.2	595.1	521.5	235.9	382.8	4665.9	410.1	376.1	288.9	376.1	1478.7	1955.3	235.9	

WATER YEAR 1984

NAN RIVER BASIN

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

LOCATION	LAT. 17-43-05 N., LONG. 100-34-32 E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	2,463 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1971 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1978-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG BANG, NAM PAT, UTTARADIT, N.33
STREAM - NAM PAT
RIVER - NAN
RIVER SYSTEM - NAN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.75308
QS = 3.0410 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.6	10.7	39.5	29.0	193.9	580.5	5699.0	140.4	51.5	6.3	0.6	0.1	
2	0.2	9.1	34.2	24.3	116.5	1579.6	7472.3	132.2	51.5	6.3	0.6	0.1	
3	0.2	7.7	244.1	61.4	91.0	1216.5	9753.7	124.2	45.5	6.3	0.6	0.1	
4	0.2	6.3	799.2	48.4	75.6	2405.6	2294.3	116.5	42.5	6.3	0.4	0.1	
5	0.4	9.1	550.3	34.2	71.8	24118.0	1251.7	107.7	39.5	6.3	0.4	0.0	
6	0.2	22.1	233.6	26.7	71.8	9246.6	1147.4	103.5	36.9	6.3	0.4	0.1	
7	0.1	14.1	334.4	83.1	64.9	4657.9	1047.1	95.2	34.2	5.1	0.2	0.1	
8	0.1	10.7	4757.9	68.3	58.1	14021.1	1359.8	91.0	34.2	5.1	0.2	1.8	
9	0.1	6.3	1396.7	34.2	54.7	9246.6	2025.9	83.1	31.6	4.0	0.4	22.1	
10	0.1	148.8	595.9	36.9	91.0	12272.4	2349.7	86.9	29.0	4.0	0.4	17.9	
11	0.2	83.1	464.0	31.6	175.3	3441.7	1287.3	95.2	26.7	4.0	0.2	10.7	
12	1.8	51.5	12461.8	39.5	95.2	1772.1	724.8	91.0	29.0	4.0	0.2	7.7	
13	2.2	42.5	1080.1	346.5	148.8	1216.5	627.1	83.1	24.3	4.0	0.1	4.0	
14	112.2	39.5	436.6	254.7	166.2	1216.5	506.4	79.4	22.1	3.0	0.1	2.6	
15	175.3	51.5	276.5	287.7	107.7	2674.1	506.4	71.8	22.1	3.0	0.1	1.8	
16	86.9	54.7	166.2	322.4	116.5	2239.5	450.2	71.8	20.0	3.0	0.1	1.5	
17	34.2	31.6	107.7	423.2	184.5	3618.5	611.4	71.8	17.9	2.6	0.1	0.9	
18	17.9	58.1	86.9	535.5	193.9	2674.1	3618.5	68.3	17.9	2.6	0.1	0.6	
19	9.1	61.4	61.4	299.1	322.4	2954.8	10098.3	68.3	15.9	2.6	0.1	0.4	
20	6.3	79.4	68.3	166.2	1181.7	1486.9	2954.8	68.3	14.1	2.6	0.1	0.2	
21	3.0	39.5	71.8	112.2	1871.9	2812.9	1181.7	64.9	14.1	2.2	0.1	0.2	
22	2.6	24.3	71.8	287.7	1113.6	2883.5	691.6	61.4	14.1	2.2	0.1	0.2	
23	1.8	34.2	68.3	184.5	580.5	1014.6	550.3	58.1	12.4	1.8	0.1	0.2	
24	2.6	71.8	61.4	91.0	371.3	659.0	450.2	58.1	10.7	1.8	0.1	0.4	
25	34.2	54.7	51.5	68.3	254.7	580.5	371.3	58.1	9.1	1.5	0.1	0.4	
26	17.9	51.5	45.5	58.1	193.9	423.2	310.6	58.1	9.1	1.5	0.1	0.2	
27	15.9	86.9	39.5	45.5	193.9	334.4	265.5	58.1	7.7	1.5	0.1	0.2	
28	54.7	148.8	39.5	39.5	157.4	276.5	233.6	54.7	9.1	1.5	0.1	0.2	
29	22.1	64.9	36.9	116.5	132.2	1323.3	203.5	54.7	7.7	1.2		0.1	
30	12.4	42.5	29.0	1359.8	322.4	3890.7	175.3	54.7	7.7	0.9		0.1	
31		42.5		423.2	888.8		157.4		6.3	0.9		0.1	
TOTAL	615.5	1459.8	24710.5	5939.2	9662.1	116838.1	60377.1	2430.6	714.4	104.4	6.2	75.1	222933.0 TONDAY
MEAN	20.5	47.1	823.7	191.6	311.7	3894.6	1947.6	81.0	23.0	3.4	0.2	2.4	
MAX	175.3	148.8	12461.8	1359.8	1871.9	24118.0	10098.3	140.4	51.5	6.3	0.6	22.1	24118.0
MIN	0.1	6.3	29.0	24.3	54.7	276.5	157.4	54.7	6.3	0.9	0.1	0.0	0.0

WATER YEAR 1984

CHAO PHRAYA RIVER BASIN

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

LOCATION LAT. 15-40-15 N., LONG. 100-06-45 E., ON LEFT BANK AT KHAI CHIRA PRAWAT ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.

DRAINAGE AREA 110,569 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.P-61

PERIOD OF AVAILABLE RECORDS 1960 TO DATE

ACTUAL MEASUREMENT 1965-1966,1972-1980

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1972-1980

RID COMPUTER CENTER 47-1602001

STATION - KHAI CHIRA PRAWAT, MUANG, NAKHON SAWAN, C.2
STREAM - CHAO PHRAYA
RIVER - CHAO PHRAYA
RIVER SYSTEM - CHAO PHRAYA

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.25741
QS = 3.4754 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8973.8	9390.4	7055.6	5161.2	5455.2	12548.8	16446.4	17716.2	15586.3	3170.2	5455.2	9500.7	
2	8669.3	8973.8	6951.8	4640.6	5514.4	13112.3	17716.2	16125.8	14760.1	3082.3	6174.0	9699.9	
3	9567.0	8302.5	7097.2	4337.6	6133.6	14977.9	20570.1	15196.4	14110.6	3082.3	6275.3	9699.9	
4	9633.4	8195.2	6910.4	4038.9	6499.2	16052.0	23030.2	14832.6	14398.5	2960.0	5772.5	9500.7	
5	7896.5	8024.2	6869.1	4113.1	6234.8	16224.3	25167.4	14905.2	13752.3	2633.4	5633.2	9390.4	
6	7726.7	8431.6	7014.0	4076.0	5376.5	15806.6	25761.8	15196.4	12971.0	2752.8	5514.4	8669.3	
7	8734.4	8496.3	7201.3	3781.1	6234.8	16942.0	25653.5	15415.5	12689.2	3170.2	5415.8	6827.8	
8	9148.7	8669.3	8131.0	3964.9	6499.2	18068.1	25275.2	15806.6	12548.8	3508.9	5812.4	7726.7	
9	10145.4	8777.8	9877.6	5376.5	5064.0	19413.0	24951.9	18168.9	12408.7	3891.1	6053.0	8973.8	
10	9744.2	8367.0	11575.0	6133.6	5102.8	21036.7	24174.1	19848.5	11506.0	4225.1	6356.5	9810.9	
11	9877.6	8431.6	12971.0	7055.6	5239.3	22291.5	22028.8	20389.2	10414.7	3891.1	6356.5	10414.7	
12	9083.1	8131.0	14038.8	7389.6	6275.3	22765.8	20751.3	20751.3	9633.4	3836.0	6417.6	10279.9	
13	8777.8	7284.9	14254.4	8066.9	6724.8	22871.5	21296.9	20932.9	8777.8	4300.0	6356.5	10279.9	
14	9567.0	7284.9	13823.8	9017.5	7055.6	22396.7	21114.7	20932.9	7896.5	4300.0	6356.5	10011.3	
15	9390.4	7159.6	14615.2	9699.9	7055.6	21662.2	20570.1	20208.6	7243.1	4187.7	7243.1	10145.4	
16	8973.8	7726.7	14905.2	10212.6	6458.4	20932.9	19668.9	19668.9	6786.5	4300.0	7599.9	10145.4	
17	8131.0	6910.4	14615.2	9699.9	7663.3	20647.7	19848.5	19132.2	6642.6	4150.4	7896.5	10957.6	
18	8195.2	6581.1	14110.6	9324.4	10753.4	21401.2	20932.9	19055.8	6417.6	3928.0	8024.2	11368.4	
19	9214.5	6053.0	13609.6	8973.8	11782.3	22291.5	22133.8	18877.7	5952.5	4262.5	8024.2	10145.4	
20	10078.3	5952.5	12408.7	9633.4	12478.7	22291.5	24067.2	18497.3	5593.6	4851.4	8024.2	9699.9	
21	9633.4	6053.0	11094.2	8908.4	12408.7	21401.2	24951.9	18421.4	5025.2	5025.2	8259.6	10145.4	
22	9390.4	5772.5	10347.3	8259.6	12199.1	20389.2	25870.2	18068.1	4526.5	4928.5	8496.3	10821.3	
23	9390.4	5812.4	10957.6	7599.9	11782.3	19925.6	26904.4	18345.6	4262.5	5025.2	8843.0	10753.4	
24	9944.4	6053.0	10078.3	7243.1	12338.7	18877.7	26986.5	18954.0	4262.5	4812.9	8496.3	10957.6	
25	9944.4	6174.0	9017.5	6458.4	12829.9	18700.0	26468.0	18700.0	4076.0	4851.4	8431.6	11231.1	
26	9567.0	6174.0	8302.5	6174.0	13112.3	18168.9	26986.5	18497.3	3708.1	5102.8	8259.6	11162.6	
27	10347.3	6053.0	7726.7	5872.3	13467.1	17191.0	27205.4	18700.0	3383.3	5593.6	8496.3	10212.6	
28	10011.3	6417.6	6827.8	5593.6	13609.6	16768.2	26795.2	17716.2	3082.3	6234.8	8734.4	10145.4	
29	9567.0	6786.5	6053.0	5102.8	13112.3	15978.3	25275.2	16768.2	2890.6	5992.6		11506.0	
30	9258.4	6356.5	5633.2	5064.0	12548.8	16372.3	22475.7	15806.6	2873.3	5812.4		11575.0	
31		6642.6		5102.8	12408.7		20105.6		3117.4	5415.8		11368.4	
TOTAL	278582.2	225438.9	304073.6	206076.0	279418.7	567506.6	721184.5	541636.4	251297.5	133278.6	198778.6	313126.8	4020398.3 TONDAY
MEAN	9286.1	7272.2	10135.8	6647.6	9013.5	18916.9	23264.0	18054.5	8106.4	4299.3	7099.2	10100.9	
MAX	10347.3	9390.4	14905.2	10212.6	13609.6	22871.5	27205.4	20932.9	15586.3	6234.8	8843.0	11575.0	27205.4
MIN	7726.7	5772.5	5633.2	3781.1	5064.0	12548.8	16446.4	14832.6	2873.3	2633.4	5415.8	6827.8	2633.4

WATER YEAR 1984

SAKAE KRANG RIVER BASIN

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

LOCATION	LAT. 15-54-10 N., LONG. 99-28-45 E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	938 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59 AND US.D-49
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN PANG MAKHA, KHANU WORALAKSABURI, KAMPHAENG PHET, CT.5A
STREAM - NAM MAE WONG
RIVER - SAKAE KRANG
RIVER SYSTEM - SAKAE KRANG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.73720
QS = 1.1893 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.59	2.78	2.78	16.22	17.24	10.85	99.71	34.26	10.17	4.64	2.90	1.47	
2	3.18	2.78	2.78	15.23	16.22	12.43	78.46	31.22	10.17	4.64	2.90	1.47	
3	3.18	2.00	3.18	18.28	15.23	12.43	86.19	29.75	9.51	4.28	2.58	1.29	
4	3.18	2.00	5.05	19.34	14.27	15.23	137.80	32.72	9.51	4.28	2.58	1.29	
5	2.38	2.38	32.72	19.34	13.33	15.23	131.04	44.07	9.51	4.28	2.58	1.29	
6	2.38	2.38	32.72	14.27	12.43	16.22	78.46	32.72	8.87	4.28	2.58	1.29	
7	2.00	2.38	121.17	13.33	13.33	15.23	76.03	26.89	8.87	4.28	2.58	1.13	
8	2.00	2.78	144.70	18.28	14.27	19.34	151.74	25.51	8.87	4.28	2.58	1.13	
9	2.00	2.38	182.20	19.34	14.27	24.16	131.04	26.89	8.25	4.28	2.58	0.99	
10	2.00	2.78	198.76	16.22	13.33	34.26	102.43	32.72	8.25	3.90	2.58	0.99	
11	1.68	2.78	78.46	12.43	13.33	96.89	96.89	32.72	7.65	3.90	2.27	0.86	
12	1.68	3.59	53.04	19.34	13.33	44.07	76.03	28.30	7.07	3.90	2.27	0.72	
13	2.00	2.78	39.03	18.28	14.27	37.41	73.63	21.55	7.07	3.90	2.27	0.72	
14	2.78	4.07	31.22	20.44	14.27	20.44	144.70	19.34	7.07	3.53	2.00	0.49	
15	2.00	4.53	21.55	20.44	15.23	19.34	102.43	17.24	6.51	3.53	2.00	0.43	
16	2.00	1.68	17.24	42.36	15.23	29.75	405.44	16.22	6.51	3.53	1.80	0.38	
17	1.68	2.78	14.27	105.46	18.28	81.04	272.25	15.23	6.51	3.53	1.80	0.33	
18	1.36	10.02	13.33	88.75	15.23	40.68	169.97	15.23	5.96	3.53	1.80	0.33	
19	1.36	10.02	13.33	59.62	17.24	37.41	198.76	14.27	5.44	3.53	1.63	0.24	
20	1.09	5.80	13.33	40.68	19.34	45.81	475.29	13.33	5.44	3.53	1.63	0.20	
21	1.68	9.07	14.27	28.30	16.22	47.57	76.03	13.33	5.44	3.53	1.63	0.16	
22	3.18	4.07	13.33	24.16	14.27	40.68	229.63	11.54	5.05	3.21	1.63	0.16	
23	22.62	4.07	19.34	169.97	13.33	124.42	182.20	11.54	5.05	3.21	1.63	0.16	
24	32.72	2.78	31.22	155.32	11.54	234.28	124.42	11.54	5.05	3.21	1.47	0.16	
25	8.21	2.78	37.41	155.32	11.54	108.53	96.89	11.54	5.05	3.53	1.47	0.16	
26	4.07	3.18	21.55	78.46	11.54	61.81	68.82	11.54	5.05	3.90	1.47	0.16	
27	3.59	4.07	18.28	66.41	11.54	37.41	61.81	10.85	5.05	3.53	1.47	0.16	
28	3.18	4.53	16.22	78.46	10.85	51.19	44.07	10.85	4.64	3.53	1.47	0.16	
29	3.18	3.18	16.22	25.51	10.85	78.46	35.82	10.85	4.64	3.21		0.16	
30	4.07	2.78	16.22	25.51	10.85	131.04	31.22	10.85	4.64	3.21		0.16	
31		2.78		20.44	10.85		26.89		4.64	3.21		0.16	
TOTAL	130.02	115.98	1224.92	1425.51	433.05	1543.61	4066.09	624.61	211.51	116.83	58.15	18.80	9969.08 TONDAY
MEAN	4.33	3.74	40.83	45.98	13.97	51.45	131.16	20.82	6.82	3.77	2.08	0.61	
MAX	32.72	10.02	198.76	169.97	19.34	234.28	475.29	44.07	10.17	4.64	2.90	1.47	475.29
MIN	1.09	1.68	2.78	12.43	10.85	10.85	26.89	10.85	4.64	3.21	1.47	0.16	0.16

WATER YEAR 1984

PASAK RIVER BASIN

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

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK AT BAN MUANG NUA RAILWAY BRIDGE, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1975 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN MUANG NUA, KAENG KHOI, SARABURI, S.9
STREAM - PA SAK
RIVER - PA SAK
RIVER SYSTEM - PA SAK

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.53006

QS = 0.9778 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	33.6	82.8	66.7	899.5	377.0	1060.0	11964.1	4644.2	292.4	106.1	43.2	30.6	
2	40.0	59.1	62.9	790.6	336.6	1083.7	11338.1	4043.2	281.7	100.1	41.6	29.2	
3	66.7	46.6	62.9	656.4	297.8	1131.6	11139.7	3648.5	271.1	97.2	41.6	29.2	
4	61.0	57.3	57.3	476.4	250.4	1350.2	11855.0	3292.9	265.9	94.2	41.6	27.7	
5	55.4	44.9	53.6	394.8	210.7	2252.4	12403.6	2950.2	260.7	91.3	40.0	29.2	
6	48.3	38.3	57.3	319.8	164.5	1964.0	11746.4	2472.5	255.5	91.3	40.0	29.2	
7	41.6	36.8	74.6	331.0	131.4	1870.9	11288.4	1889.4	240.2	85.6	40.0	27.7	
8	36.8	38.3	77.3	336.6	240.2	2193.6	10648.9	1263.3	225.3	85.6	38.3	27.7	
9	35.2	40.0	94.2	371.1	292.4	2411.8	8992.7	1024.9	220.4	80.1	36.8	27.7	
10	33.6	38.3	138.8	353.7	196.4	2926.2	8430.2	748.4	215.5	70.6	36.8	27.7	
11	33.6	36.8	147.2	437.4	215.5	3144.5	8019.2	616.9	205.9	64.8	36.8	27.7	
12	35.2	36.8	109.2	540.4	230.2	3243.2	7776.1	549.8	201.2	62.9	36.8	35.2	
13	38.3	46.6	147.2	921.9	178.0	3752.4	7776.1	587.8	201.2	61.0	35.2	41.6	
14	59.1	53.6	173.4	888.4	169.0	3989.8	8596.6	587.8	196.4	62.9	35.2	41.6	
15	44.9	51.9	164.5	717.2	540.4	4675.2	10261.8	597.4	187.1	62.9	33.6	38.3	
16	36.8	77.3	187.1	717.2	758.8	4706.2	11090.2	458.7	178.0	61.0	33.6	36.8	
17	35.2	74.6	178.0	616.9	412.9	4830.9	11746.4	406.8	173.4	59.1	33.6	36.8	
18	33.6	118.5	255.5	559.2	303.2	4768.4	12238.1	377.0	169.0	59.1	33.6	35.2	
19	32.1	115.4	336.6	626.7	616.9	4956.8	13812.1	348.0	164.5	57.3	32.1	33.6	
20	32.1	94.2	431.3	737.9	955.8	5602.9	16341.5	331.0	160.1	55.4	32.1	33.6	
21	33.6	74.6	503.5	812.0	899.5	6148.4	15374.2	325.3	160.1	53.6	32.1	32.1	
22	35.2	66.7	559.2	855.3	833.6	6297.7	14615.1	319.8	155.8	51.9	33.6	32.1	
23	36.8	59.1	597.4	844.4	801.2	7337.1	13992.8	319.8	151.5	50.1	33.6	35.2	
24	50.1	53.6	626.7	812.0	676.5	8182.8	13355.7	319.8	147.2	48.3	35.2	33.6	
25	41.6	48.3	646.4	769.4	769.4	8638.3	12458.9	319.8	143.0	48.3	33.6	33.6	
26	53.6	43.2	676.5	717.2	790.6	9456.0	11387.9	319.8	131.4	46.6	32.1	32.1	
27	68.7	51.9	737.9	676.5	822.7	10022.4	10165.8	314.2	128.1	46.6	32.1	33.6	
28	91.3	64.8	769.4	616.9	1048.3	10942.4	8722.1	303.2	124.9	44.9	30.6	74.6	
29	91.3	128.1	822.7	549.8	1131.6	13355.7	7376.6	297.8	118.5	46.6		82.8	
30	109.2	118.5	855.3	476.4	1119.6	12848.6	6561.9	292.4	112.3	46.6		66.7	
31		82.8		419.0	1071.9		5471.5		124.9	44.9		61.0	
TOTAL	1444.5	1979.7	9670.6	19242.0	16843.0	155144.1	336947.7	33970.6	5863.2	2036.9	1005.4	1163.7	585311.3 TONDAY
MEAN	48.1	63.9	322.4	620.7	543.3	5171.5	10869.3	1132.4	189.1	65.7	35.9	37.5	
MAX	109.2	128.1	855.3	921.9	1131.6	13355.7	16341.5	4644.2	292.4	106.1	43.2	82.8	16341.5
MIN	32.1	36.8	53.6	319.8	131.4	1060.0	5471.5	292.4	112.3	44.9	30.6	27.7	27.7

WATER YEAR 1984

KHONG RIVER BASIN

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

LOCATION	LAT. 17-06-15 N., LONG. 104-21-26 E., ON LEFT BANK AT THE BRIDGE ON ROAD, BAN DAN MUANG KHAM, KING AMPHOE KHOK SI SUPHAN, SAKON NAKHON.
DRAINAGE AREA	1,764 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1982-1985
ACTUAL MEASUREMENT	1982-1985
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN DAN MUANG KHAM, K.A. KHOK SISUPHAN, SAKON NAKHON, KH.63
STREAM - HUAI NAM KAM
RIVER - KHONG
RIVER SYSTEM - KHONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1

$QS = 6.0377\ QW^{0.77043}$

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.75	3.43	3.86	33.60	112.02	197.87	154.96	117.17	26.50	3.32	1.75	2.14	
2	2.63	2.98	7.30	31.94	128.88	199.35	153.55	115.71	25.84	3.32	1.75	2.01	
3	2.75	2.98	13.42	31.00	144.60	240.13	152.12	114.24	25.84	3.32	1.75	1.47	
4	2.75	2.98	17.77	37.49	167.55	271.84	149.99	112.76	25.84	3.09	1.75	1.18	
5	2.75	2.98	15.29	72.27	200.82	240.13	147.84	110.97	25.54	2.98	2.01	1.18	
6	2.75	3.09	12.98	82.71	212.51	226.56	147.12	108.50	25.23	3.09	2.39	1.18	
7	2.63	2.86	10.38	84.47	193.41	218.28	144.60	102.43	25.23	3.09	2.39	1.18	
8	2.63	2.98	10.38	82.03	185.92	213.96	142.43	86.98	24.93	3.09	2.14	1.18	
9	2.75	2.98	9.94	79.62	175.27	209.61	141.34	69.77	25.23	3.09	1.88	1.47	
10	2.75	3.65	6.95	81.34	171.68	206.69	141.34	58.35	24.62	2.98	2.39	1.61	
11	2.75	3.32	6.04	86.63	178.33	188.93	140.25	55.68	24.62	2.98	2.39	1.75	
12	2.98	3.32	10.18	91.59	178.33	199.35	139.74	49.51	23.39	2.86	2.39	1.75	
13	2.98	3.09	10.85	95.15	178.33	194.90	140.25	34.26	9.70	2.75	2.01	1.61	
14	2.86	3.21	10.38	95.15	208.15	190.43	140.79	23.39	6.41	2.86	1.61	1.61	
15	2.75	3.43	11.51	96.62	234.73	187.42	141.34	21.06	5.47	2.86	1.61	1.75	
16	2.63	3.09	12.98	110.97	212.51	182.90	141.88	20.48	5.66	2.86	1.61	1.88	
17	2.75	3.09	12.16	117.90	240.13	179.86	142.43	17.23	5.47	2.75	1.61	1.88	
18	2.63	2.98	11.70	123.09	245.50	173.74	143.51	26.50	5.08	2.75	1.61	1.88	
19	2.63	3.43	10.85	123.09	240.13	172.37	143.51	28.13	4.89	2.75	1.61	1.88	
20	2.63	3.09	10.85	118.63	229.28	172.37	142.43	27.81	3.86	2.75	1.61	1.88	
21	2.75	3.09	12.57	114.61	211.06	170.99	141.88	27.48	3.54	2.75	1.61	1.75	
22	2.75	3.32	12.98	111.67	203.76	169.62	139.74	26.50	3.43	2.75	1.75	2.01	
23	2.75	3.32	12.57	114.97	199.35	168.93	137.17	25.84	3.32	2.26	2.51	2.14	
24	2.86	3.21	11.93	116.08	194.90	168.24	135.12	25.54	3.21	1.75	2.51	2.01	
25	2.75	3.21	11.28	115.34	193.41	164.78	133.05	26.17	3.32	1.75	2.14	2.39	
26	3.09	3.21	18.57	112.39	190.43	162.69	129.93	25.54	3.21	1.75	2.14	2.39	
27	3.09	3.32	19.89	109.56	187.42	159.89	127.31	25.54	3.09	1.47	2.14	2.01	
28	3.21	3.32	18.84	108.86	181.38	157.78	125.20	26.17	3.21	1.75	2.14	1.61	
29	2.98	3.65	22.20	107.08	178.33	155.67	122.56	26.17	3.21	1.61		1.18	
30	4.49	3.43	25.54	104.59	185.92	154.96	120.96	26.50	3.21	2.01		1.18	
31		3.54		105.30	203.76		119.36		3.21	1.75		1.02	
TOTAL	85.45	99.58	382.14	2895.74	5967.80	5700.24	4323.70	1562.38	385.31	81.14	55.20	52.16	21590.84 TONDAY
MEAN	2.85	3.21	12.74	93.41	192.51	190.01	139.47	52.08	12.43	2.62	1.97	1.68	
MAX	4.49	3.65	25.54	123.09	245.50	271.84	154.96	117.17	26.50	3.32	2.51	2.39	271.84
MIN	2.63	2.86	3.86	31.00	112.02	154.96	119.36	17.23	3.09	1.47	1.61	1.02	1.02

WATER YEAR 1984

KHONG RIVER BASIN

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

LOCATION	LAT. 17-04-22 N., LONG. 104-34-38 E., ON RIGHT BANK AT THE BRIDGE ON ROAD, BAN DONG I NAM, AMPHOE NA KAE, NAKHON PHANOM.
DRAINAGE AREA	441 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1982-1985
ACTUAL MEASUREMENT	1982-1985
REMARKS	DISCONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN DONG I NAM, NA KAE, NAKHON PHANOM, KH.66
STREAM - LAM NAM BANG
RIVER - KHONG
RIVER SYSTEM - KHONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 3
0.98369
QS = 7.0395 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.86	4.26	11.45	231.98	99.57	701.16	5.65	4.26	4.26	3.42	3.14	2.86	
2	2.86	4.26	11.04	165.54	157.26	507.67	6.07	4.26	4.26	3.42	3.14	2.86	
3	2.86	4.26	13.51	108.31	177.49	624.73	6.49	4.26	3.98	3.42	3.14	2.86	
4	2.86	4.26	11.86	111.22	306.16	864.47	8.56	4.26	3.70	3.14	3.14	2.86	
5	2.86	4.26	10.21	133.02	508.19	737.07	12.28	3.98	3.70	3.14	3.14	2.86	
6	2.86	4.26	9.39	143.17	1289.05	593.22	11.04	3.98	3.70	3.14	3.14	2.86	
7	2.86	4.26	8.56	105.40	792.81	469.08	9.80	3.98	3.70	3.14	3.14	2.86	
8	2.86	4.26	6.90	60.12	656.22	376.81	8.97	3.98	3.42	3.14	3.14	2.86	
9	2.86	4.26	6.90	53.10	534.63	146.99	7.32	5.65	3.42	3.14	3.14	2.86	
10	2.86	4.26	6.90	184.32	391.72	103.15	7.73	8.15	3.42	3.14	2.86	2.86	
11	2.86	3.98	7.32	208.17	280.13	79.52	7.32	7.32	3.70	3.14	2.86	2.86	
12	2.86	3.98	7.73	288.59	267.22	64.60	8.15	9.39	3.70	3.14	2.86	2.86	
13	2.86	3.98	8.15	345.41	239.03	48.94	10.63	10.63	3.70	3.14	2.86	2.86	
14	2.86	3.98	8.56	341.26	334.76	44.92	17.20	8.56	3.70	3.14	2.86	2.86	
15	2.86	3.98	7.73	296.40	629.23	22.10	20.74	6.90	3.70	3.14	2.86	2.86	
16	2.86	3.98	5.65	237.07	895.15	15.56	24.82	5.65	3.70	3.14	2.86	2.86	
17	2.86	3.98	5.37	242.17	925.82	13.92	26.85	5.65	3.70	3.14	2.86	2.86	
18	2.86	3.98	5.65	302.26	895.15	12.28	34.29	4.82	3.70	3.14	2.86	2.86	
19	2.86	3.98	7.32	284.69	767.19	11.86	30.23	4.54	3.70	3.14	2.86	2.86	
20	2.86	4.54	7.32	117.04	665.21	21.42	24.82	4.26	3.70	3.14	2.86	2.86	
21	2.86	4.82	9.80	60.12	543.65	16.66	21.42	4.26	3.70	3.14	2.86	2.86	
22	2.86	4.82	8.56	103.94	373.83	13.92	17.75	4.26	3.42	3.14	2.86	2.86	
23	2.86	4.54	8.15	265.14	231.19	12.69	15.56	3.98	3.42	3.14	2.86	2.86	
24	2.86	3.98	8.56	213.28	138.69	10.21	13.51	3.98	3.42	3.14	2.86	2.86	
25	2.86	3.70	12.28	117.04	111.49	8.97	11.04	3.98	3.42	3.14	2.86	2.86	
26	2.86	3.98	140.27	52.43	94.80	7.32	8.56	3.98	3.42	3.14	2.86	2.86	
27	2.86	5.37	89.36	42.37	70.47	6.49	7.32	4.26	3.42	3.14	2.86	2.86	
28	3.14	6.49	49.08	54.10	54.17	6.07	6.07	4.26	3.42	3.14	2.86	2.86	
29	3.42	9.80	49.75	41.69	47.74	5.65	5.65	4.26	3.42	3.14		2.86	
30	11.86	13.10	72.13	26.17	114.27	6.07	5.37	4.26	3.42	3.14		2.86	
31		11.45		39.68	469.08		4.82		3.42	3.14		2.86	
TOTAL	95.64	155.01	615.46	4975.20	13061.37	5553.52	406.03	155.96	112.46	98.18	82.60	88.66	25400.09 TONDAY
MEAN	3.19	5.00	20.52	160.49	421.33	185.12	13.10	5.20	3.63	3.17	2.95	2.86	
MAX	11.86	13.10	140.27	345.41	1289.05	864.47	34.29	10.63	4.26	3.42	3.14	2.86	1289.05
MIN	2.86	3.70	5.37	26.17	47.74	5.65	4.82	3.98	3.42	3.14	2.86	2.86	2.86

WATER YEAR 1984

CHI RIVER BASIN

CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION	LAT. 16-21-14 N., LONG. 102-45-09 E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG, KHON KAEN.
DRAINAGE AREA	13,171 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1965-1972,1980 TO DATE
ACTUAL MEASUREMENT	1967,1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN THA PHRA, MUANG, KHON KAEN, E.16A
STREAM - CHI
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 3
1.33923
QS = 4.5025 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.1	13.3	20.5	64.5	169.2	275.8	1132.1	5615.9	160.2	53.0	28.8	13.7	
2	7.1	12.2	19.6	73.5	148.4	296.5	1119.9	5682.0	157.3	50.7	26.9	13.7	
3	6.7	11.4	22.3	82.9	120.0	349.9	1083.4	5915.0	151.4	49.6	26.0	12.6	
4	6.7	10.6	26.9	94.4	96.4	409.2	1071.4	6015.6	145.5	47.4	26.0	11.8	
5	7.1	9.9	36.8	111.7	84.8	439.7	1281.1	5848.2	139.7	45.2	25.0	11.8	
6	7.4	10.6	55.2	88.6	75.4	478.6	1673.2	4837.9	134.0	43.1	23.2	11.4	
7	7.7	10.6	92.4	82.9	66.3	494.4	2067.2	4669.1	125.5	41.0	21.4	11.4	
8	7.7	11.8	139.7	88.6	58.7	502.4	2451.6	3715.8	120.0	39.9	20.5	11.4	
9	7.7	12.6	134.0	101.0	54.1	650.6	2926.4	2523.3	114.4	38.9	19.2	11.4	
10	7.4	13.3	106.3	114.4	53.0	889.9	3350.5	2239.9	96.4	35.8	19.2	11.4	
11	7.1	12.9	94.4	122.7	57.5	1059.3	3669.6	1673.2	90.5	34.8	19.2	11.0	
12	7.4	11.8	103.6	136.9	57.5	1071.4	3855.3	1319.1	86.7	33.7	19.2	11.0	
13	7.4	11.4	111.7	122.7	47.4	1047.3	3996.0	1083.4	82.9	32.7	19.2	10.3	
14	6.7	11.4	131.2	98.3	46.3	1047.3	4043.2	917.6	82.9	34.8	19.2	9.5	
15	7.7	11.8	145.5	92.4	57.5	1083.4	4161.8	817.0	81.0	35.8	18.7	8.8	
16	9.2	12.2	172.3	103.6	61.0	1132.1	4257.3	745.8	79.1	36.8	17.9	8.4	
17	9.5	12.2	216.0	139.7	68.1	1144.3	4305.2	676.3	75.4	36.8	17.0	8.1	
18	8.8	12.2	301.7	187.6	68.1	1168.9	4425.7	633.7	75.4	35.8	16.6	8.1	
19	7.7	12.6	394.2	296.5	101.0	1168.9	5036.8	591.8	75.4	34.8	15.8	8.1	
20	7.1	11.8	439.7	401.7	206.5	1181.2	5237.6	550.7	75.4	34.8	14.9	8.4	
21	6.1	12.6	401.7	439.7	328.3	1206.0	5440.5	494.4	75.4	34.8	14.5	7.7	
22	5.7	14.9	328.3	416.8	424.4	1206.0	5615.9	424.4	75.4	31.8	13.7	7.4	
23	6.1	14.1	245.5	339.0	558.9	1206.0	5682.0	416.8	73.5	27.9	14.5	7.4	
24	6.7	16.2	178.4	265.6	542.6	1181.2	5682.0	379.3	71.7	27.9	14.9	7.4	
25	7.1	15.4	128.3	200.1	502.4	1132.1	5682.0	286.1	68.1	27.9	14.5	8.1	
26	8.4	15.4	94.4	166.2	439.7	1095.5	5648.9	225.7	66.3	27.9	13.7	8.1	
27	7.4	16.6	79.1	134.0	416.8	1059.3	5586.5	200.1	64.5	27.9	13.7	7.7	
28	11.4	17.5	66.3	106.3	432.0	987.8	5528.0	184.5	62.7	27.9	13.7	7.1	
29	10.6	18.7	56.4	122.7	409.2	987.8	5557.2	175.3	59.8	27.9		6.4	
30	10.3	19.6	50.7	139.7	386.7	1071.4	5557.2	166.2	56.4	28.8		6.1	
31		20.5		166.2	339.0		5586.5		55.2	28.8		5.7	
TOTAL	231.0	418.1	4393.1	5100.9	6477.2	27024.2	122712.0	59024.1	2878.1	1114.9	527.1	291.4	230192.1 TONDAY
MEAN	7.7	13.5	146.4	164.5	208.9	900.8	3958.5	1967.5	92.8	36.0	18.8	9.4	
MAX	11.4	20.5	439.7	439.7	558.9	1206.0	5682.0	6015.6	160.2	53.0	28.8	13.7	6015.6
MIN	5.7	9.9	19.6	64.5	46.3	275.8	1071.4	166.2	55.2	27.9	13.7	5.7	5.7

WATER YEAR 1984

CHI RIVER BASIN

CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION	LAT. 15-54-40 N., LONG. 101-42-40 E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	2,906 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1968 TO DATE
ACTUAL MEASUREMENT	1975 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN NONG O, BAN KHWAO, CHAIYAPHUM, E.32A
STREAM - CHI
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.41763
QS = 2.7977 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.4	6.9	52.4	52.4	21.8	56.2	3596.2	151.4	24.0	5.4	3.9	3.9	
2	16.5	6.4	33.4	100.4	19.6	72.2	4335.8	138.7	21.8	5.4	3.9	2.9	
3	13.9	7.5	26.2	87.0	16.5	517.7	3986.5	126.4	19.6	5.0	3.9	2.3	
4	10.3	12.0	27.4	60.1	16.5	671.4	3031.8	116.7	18.6	5.0	3.9	2.3	
5	7.5	8.0	20.7	50.5	15.2	857.6	1936.3	114.4	17.5	5.0	3.5	2.0	
6	6.9	5.0	27.4	41.5	13.9	752.5	1364.5	107.3	16.5	5.0	3.2	2.0	
7	6.4	3.5	46.8	31.0	12.0	279.7	1207.7	100.4	15.9	5.0	3.2	1.5	
8	5.9	2.9	60.1	32.2	10.8	1383.0	1172.3	91.4	15.9	5.0	3.2	1.5	
9	5.4	2.6	194.1	31.0	10.3	1782.4	1520.6	87.0	15.9	5.0	2.9	1.5	
10	5.0	2.3	167.1	161.8	10.8	1872.3	2391.8	87.0	15.2	5.0	2.9	1.2	
11	5.0	2.3	133.7	102.7	12.7	1584.9	2177.4	78.4	14.6	4.6	2.9	1.2	
12	4.6	2.3	283.6	272.1	13.9	917.1	1671.8	76.3	14.6	4.6	2.6	1.2	
13	6.9	3.9	463.2	830.9	19.6	573.9	1507.9	80.6	12.7	4.6	2.6	1.2	
14	10.8	6.4	264.5	732.0	76.3	449.8	1291.4	89.2	12.0	4.6	2.6	1.0	
15	10.8	3.5	151.4	210.9	50.5	676.4	1213.6	84.9	12.0	4.6	2.3	0.8	
16	13.9	10.8	93.7	136.2	43.2	906.2	1457.6	76.3	11.4	4.6	2.3	0.6	
17	11.4	6.9	66.0	105.0	52.4	836.2	1395.3	74.2	10.8	4.6	2.6	0.6	
18	8.6	5.0	52.4	100.4	54.3	768.0	2701.7	68.1	10.8	4.6	2.6	0.6	
19	7.5	4.6	45.0	102.7	43.2	588.3	2911.3	58.1	10.8	4.6	2.3	0.5	
20	6.4	3.9	39.7	68.1	80.6	380.7	1592.1	52.4	10.3	4.2	2.0	0.5	
21	4.6	5.4	34.6	50.5	231.0	315.0	972.2	45.0	10.3	4.2	1.7	0.5	
22	3.5	8.6	31.0	54.3	260.7	347.4	691.4	39.7	10.3	4.2	1.7	0.5	
23	3.5	10.3	29.8	70.1	136.2	264.5	476.6	35.9	9.7	4.2	1.7	0.6	
24	6.9	12.0	43.2	172.4	98.1	194.1	436.6	34.6	9.1	4.2	2.0	0.8	
25	8.0	16.5	74.2	91.4	74.2	454.3	372.3	33.4	7.5	4.2	2.6	2.6	
26	8.6	24.0	64.0	50.5	58.1	208.1	311.0	31.0	7.5	5.0	2.9	1.5	
27	20.7	26.2	91.4	39.7	100.4	172.4	260.7	29.8	6.9	5.0	9.7	1.5	
28	20.7	31.0	84.9	33.4	93.7	164.4	225.2	28.6	6.4	5.0	5.9	1.2	
29	14.6	169.7	54.3	31.0	54.3	449.8	202.5	26.2	6.4	5.0		0.6	
30	10.3	136.2	43.2	29.8	41.5	1834.7	177.7	25.1	6.4	5.0		0.5	
31		102.7		25.1	45.0		164.4		5.9	5.0		0.3	
TOTAL	276.5	649.3	2799.4	3957.1	1787.3	20331.2	46754.2	2188.5	387.3	147.4	87.5	39.9	79405.6 TONDAY
MEAN	9.2	20.9	93.3	127.6	57.7	677.7	1508.2	73.0	12.5	4.8	3.1	1.3	
MAX	20.7	169.7	463.2	830.9	260.7	1872.3	4335.8	151.4	24.0	5.4	9.7	3.9	4335.8
MIN	3.5	2.3	20.7	25.1	10.3	56.2	164.4	25.1	5.9	4.2	1.7	0.3	0.3

WATER YEAR 1984

CHI RIVER BASIN

LAM KHAN CHU AT BAN KHOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15-29-14 N., LONG. 101-33-32 E., ON LEFT BANK ABOUT 500 METERS FROM BAN KHOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1984 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN KHOK PHANGAT, BAMNET NARONG, CHAIYAPHUM, E.60
STREAM - LAM KHAN CHU
RIVER - CHI
RIVER SYSTEM - CHI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.35033
QS = 5.4467 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.24	0.98	1.07	7.36	3.24	15.60	142.55	11.87	3.76	1.17	0.46	2.02	
2	2.25	1.58	0.79	6.19	3.11	9.84	107.76	11.15	3.36	1.17	0.38	1.91	
3	1.47	1.07	0.62	3.89	3.24	14.08	66.09	10.36	3.24	1.17	0.38	1.80	
4	0.98	0.79	0.46	3.24	2.98	142.55	49.16	9.84	3.24	1.17	0.38	1.47	
5	0.70	0.46	2.49	23.36	2.86	222.84	37.09	9.59	3.11	1.17	0.31	1.27	
6	0.54	0.38	2.02	7.36	2.73	84.99	34.69	8.58	2.98	1.17	0.31	1.17	
7	0.46	0.24	3.63	4.30	3.11	57.80	47.86	8.58	2.73	1.17	0.31	1.17	
8	0.31	0.21	32.80	5.30	2.98	54.43	91.81	7.84	3.24	1.17	0.31	1.07	
9	0.31	0.15	6.66	6.19	3.76	67.50	91.81	7.36	2.98	1.07	0.31	1.37	
10	0.24	0.15	3.63	4.58	3.36	63.30	63.99	6.89	2.98	1.17	0.31	0.98	
11	0.54	0.12	31.41	5.45	8.58	35.17	44.02	6.66	2.86	1.17	0.24	1.17	
12	0.54	0.07	25.10	33.75	12.96	25.54	31.41	6.04	2.73	0.98	0.21	1.07	
13	0.38	0.07	26.42	38.55	6.42	21.66	36.13	6.42	2.61	0.98	0.21	1.07	
14	0.24	0.18	8.09	14.83	5.45	35.65	34.69	6.19	2.37	0.98	0.15	0.62	
15	0.21	0.15	5.45	8.83	17.56	33.75	63.99	6.04	2.25	0.88	0.15	0.54	
16	0.18	0.21	4.17	7.36	19.18	39.53	46.57	5.74	2.14	0.79	0.21	0.98	
17	0.15	0.12	3.89	7.84	9.59	57.12	32.80	5.45	2.02	0.79	0.21	0.01	
18	0.12	0.01	6.42	6.66	6.89	37.58	62.60	5.15	1.91	0.70	0.21	0.31	
19	0.10	0.12	3.76	5.30	6.04	25.54	149.80	5.01	1.91	0.70	2.14	0.46	
20	0.10	0.10	3.50	4.58	5.89	20.41	63.30	4.87	1.80	0.62	2.49	0.46	
21	0.12	0.10	6.04	4.17	6.04	146.16	43.39	4.58	1.69	0.54	2.49	0.54	
22	0.21	1.27	4.30	4.17	14.83	52.44	34.69	4.44	1.69	0.62	2.25	0.31	
23	4.58	1.27	3.50	4.58	6.66	58.48	29.57	4.17	1.58	0.62	2.02	0.31	
24	1.37	0.70	2.98	16.38	5.59	60.53	26.42	4.03	1.47	0.46	2.02	3.89	
25	1.27	0.24	3.63	5.74	5.15	79.78	23.36	4.03	1.58	0.46	2.02	2.98	
26	1.07	0.98	2.98	4.72	9.08	63.99	21.24	3.89	1.37	0.79	2.02	3.24	
27	1.69	11.15	2.61	4.17	43.39	53.10	18.77	3.76	1.37	0.54	2.02	2.02	
28	7.60	7.60	2.25	4.03	17.96	51.78	16.77	3.76	1.37	0.62	1.69	4.30	
29	3.36	3.76	2.61	3.50	10.10	116.46	15.60	3.50	1.37	0.46		2.02	
30	1.80	2.14	2.61	3.36	15.60	116.46	13.70	3.50	1.37	0.46		1.17	
31		1.58		3.36	15.60		12.59		1.27	0.46		0.79	
TOTAL	36.13	37.95	205.89	263.10	279.93	1864.06	1554.22	189.29	70.35	26.22	26.21	42.49	4595.84 TONDAY
MEAN	1.20	1.22	6.86	8.49	9.03	62.14	50.14	6.31	2.27	0.85	0.94	1.37	
MAX	7.60	11.15	32.80	38.55	43.39	222.84	149.80	11.87	3.76	1.17	2.49	4.30	222.84
MIN	0.10	0.01	0.46	3.24	2.73	9.84	12.59	3.50	1.27	0.46	0.15	0.01	0.01

WATER YEAR 1984

MUN RIVER BASIN

MUN RIVER AT SERI PRACHATHIPPATAI BRIDGE, UBON RATCHATHANI (M.7)

LOCATION	LAT. 15-13-17 N., LONG. 104-51-39 E., ON LEFT BANK AT THE SERI PRACHATHIPPATAI, AMPHOE MUANG, UBON RATCHATHANI.
DRAINAGE AREA	106,673 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1964 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - SERI PRACHATHIPATAI BRIDGE, MUANG, UBON RATCHATHANI, M.7
STREAM - MUN
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

0.92541
QS = 15.6917 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	837.0	1493.4	2306.8	2350.4	2328.1	13224.1	9056.4	10525.0	3199.4	1034.5	741.7	1053.1	
2	837.0	1493.4	2394.0	2328.1	2328.1	14093.4	8307.5	9840.9	3048.7	1034.5	741.7	1034.5	
3	837.0	1493.4	2394.0	2264.0	2178.3	14937.5	7666.9	9124.2	2853.5	997.1	741.7	1034.5	
4	821.2	1439.0	2328.1	2199.7	2055.0	15258.0	7138.2	8409.9	2679.3	997.1	741.7	1015.8	
5	805.4	1420.9	2221.2	2416.3	1976.5	15378.1	7014.0	7762.1	2526.4	978.4	741.7	997.1	
6	789.5	1420.9	2135.3	2504.2	2035.4	15943.2	7324.2	7138.2	2394.0	962.8	741.7	997.1	
7	773.6	1457.2	2094.2	2657.3	2074.6	16674.9	8047.0	6671.4	2221.2	962.8	725.8	978.4	
8	773.6	1475.3	2074.6	2766.5	2094.2	17282.6	8546.3	6155.4	2074.6	947.1	709.8	962.8	
9	757.7	1493.4	2094.2	2918.4	2264.0	18389.5	9124.2	5956.8	1937.1	947.1	709.8	947.1	
10	773.6	1493.4	2199.7	3113.2	4022.0	19114.7	9598.7	5789.3	1798.8	931.5	693.7	915.8	
11	789.5	1493.4	2371.8	3364.6	6012.6	19752.6	9806.3	5649.4	1719.4	915.8	677.7	900.1	
12	837.0	1457.2	2569.8	3971.8	6390.1	20134.6	9840.9	5565.3	1605.7	900.1	677.7	852.8	
13	868.6	1457.2	2744.5	4855.9	5845.2	20346.6	9840.9	5509.2	1548.7	900.1	677.7	837.0	
14	900.1	1475.3	3048.7	5067.7	5340.6	20473.7	9875.4	5509.2	1529.6	868.6	677.7	821.2	
15	931.5	1493.4	3317.5	4961.9	5284.3	20473.7	10308.3	5481.1	1493.4	868.6	677.7	852.8	
16	962.8	1475.3	3458.7	4776.2	6733.8	20261.8	10488.9	5396.8	1439.0	852.8	709.8	915.8	
17	978.4	1439.0	3529.2	4645.1	9428.9	19964.9	11259.5	5312.4	1366.2	852.8	725.8	947.1	
18	997.1	1475.3	3552.6	4496.2	11259.5	19710.1	12348.5	5173.3	1348.0	821.2	725.8	947.1	
19	1015.8	1475.3	3552.6	4346.9	11443.1	19412.6	12996.2	5014.8	1311.4	805.4	741.7	947.1	
20	1034.5	1475.3	3482.2	4172.2	11333.0	18944.2	13499.8	4829.3	1274.8	805.4	773.6	931.5	
21	1053.1	1475.3	3341.0	3971.8	11002.0	18346.8	13855.7	4669.9	1274.8	789.5	805.4	931.5	
22	1108.9	1493.4	3223.0	3795.8	10380.6	17727.2	14013.6	4471.4	1256.5	773.6	805.4	915.8	
23	1238.1	1548.7	3048.7	3669.7	9702.6	16958.7	14133.7	4272.1	1238.1	757.7	805.4	884.4	
24	1201.3	1643.7	2853.5	3482.2	9124.2	16268.7	14133.7	4122.2	1201.3	757.7	821.2	852.8	
25	1201.3	1719.4	2722.5	3270.3	8920.6	15378.1	14013.6	3946.7	1164.4	757.7	821.2	837.0	
26	1256.5	1779.0	2635.2	3091.4	8784.6	14375.2	13895.2	3795.8	1127.4	757.7	821.2	821.2	
27	1329.7	1917.4	2547.6	2918.4	8580.4	13186.2	13460.2	3669.7	1108.9	757.7	868.6	821.2	
28	1348.0	2178.3	2482.0	2766.5	8784.6	11889.7	12882.1	3552.6	1090.3	757.7	1015.8	821.2	
29	1384.5	2135.3	2459.8	2701.4	9327.4	10670.2	12348.5	3435.2	1071.7	757.7		852.8	
30	1457.2	2264.0	2394.0	2504.2	10452.8	9806.3	11774.8	3317.5	1053.1	741.7		900.1	
31		2328.1		2371.8	12081.1		11222.7		1053.1	741.7		915.8	
TOTAL	29899.5	49879.6	81577.0	104720.1	209568.2	504377.8	337821.9	170067.1	52008.8	26734.1	21118.7	28442.5	1616215.4 TONDAY
MEAN	996.7	1609.0	2719.2	3378.1	6760.3	16812.6	10897.5	5668.9	1677.7	862.4	754.2	917.5	
MAX	1457.2	2328.1	3552.6	5067.7	12081.1	20473.7	14133.7	10525.0	3199.4	1034.5	1015.8	1053.1	20473.7
MIN	757.7	1420.9	2074.6	2199.7	1976.5	9806.3	7014.0	3317.5	1053.1	741.7	677.7	821.2	677.7

WATER YEAR 1984

MUN RIVER BASIN

LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION LAT. 14-53-53 N., LONG. 105-05-08 E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM FROM THE BRIDGE ON ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.

DRAINAGE AREA 3,363 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.D-49

PERIOD OF AVAILABLE RECORDS 1966 TO DATE

ACTUAL MEASUREMENT 1967 TO DATE

REMARKS CONTINUED SEDIMENT STATION
USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - DET UDOM, DET UDOM, UBON RATCHATHANI, M.80
STREAM - LAM DOM YAI
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.21869
QS = 2.7957 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.1	0.6	37.4	103.7	80.8	3517.0	1197.7	428.3	99.8	36.3	18.0	7.3	
2	2.1	0.6	32.0	131.7	77.1	3964.6	1034.0	370.2	96.0	35.2	17.0	6.5	
3	2.1	2.1	25.8	97.9	72.1	4708.0	948.1	341.7	92.1	35.2	17.0	7.7	
4	2.1	3.5	21.8	79.5	67.3	7373.6	1185.6	347.4	88.3	34.2	17.0	7.7	
5	2.1	5.0	19.9	79.5	61.3	11440.2	1632.7	387.5	85.8	32.0	15.1	7.3	
6	2.1	5.0	20.8	115.6	57.8	11896.4	2284.5	364.5	83.3	32.0	14.2	7.3	
7	2.1	5.7	25.8	156.6	62.5	10442.0	2844.0	312.9	79.5	31.0	13.3	8.5	
8	1.8	5.7	26.9	201.9	66.1	9683.8	3129.8	286.1	77.1	30.0	13.3	8.5	
9	1.5	6.1	26.9	193.1	85.8	9554.6	3216.4	276.8	73.4	30.0	13.3	10.2	
10	1.5	6.5	25.8	186.5	230.9	8716.3	3187.5	283.8	70.9	27.9	12.4	9.0	
11	1.2	6.5	27.9	249.0	492.1	7328.8	2879.4	290.8	69.7	27.9	12.4	7.7	
12	0.9	7.7	146.1	419.0	717.2	6334.3	2484.7	260.5	66.1	26.9	12.4	7.7	
13	0.6	7.7	387.5	731.9	848.2	5315.6	1914.6	242.2	62.5	26.9	11.5	6.5	
14	0.6	7.7	267.5	735.6	901.7	4708.0	1754.2	235.4	61.3	25.8	10.7	5.7	
15	0.9	7.7	167.2	572.5	636.9	4412.5	1943.2	235.4	60.1	24.8	10.2	5.3	
16	1.5	7.7	131.7	448.5	731.9	4259.7	2155.8	230.9	57.8	23.8	10.2	5.3	
17	1.5	7.7	88.3	349.8	1419.4	4024.8	2520.4	228.6	55.4	23.8	9.8	4.6	
18	1.5	7.7	80.8	272.1	2260.7	3774.9	2979.1	228.6	50.8	22.8	9.0	4.6	
19	1.2	8.1	61.3	224.1	2704.1	3499.8	3187.5	215.2	50.8	21.8	8.5	3.5	
20	1.2	8.1	54.3	190.9	2964.8	3144.2	3312.0	224.1	49.7	20.8	8.5	2.8	
21	1.2	6.5	47.4	158.7	2986.3	2768.6	3363.1	246.7	50.8	20.8	8.5	2.8	
22	1.2	5.3	44.0	129.7	2936.3	2336.8	3267.2	228.6	47.4	19.9	8.5	4.2	
23	1.2	5.3	40.7	111.6	2907.8	1787.8	2972.0	199.7	47.4	19.9	8.5	4.2	
24	0.6	6.1	45.1	99.8	2829.8	1367.5	2366.5	175.7	45.1	18.9	8.1	4.2	
25	0.6	6.5	47.4	88.3	2858.1	1077.5	1584.7	158.7	45.1	18.9	7.3	4.2	
26	0.4	7.3	70.9	80.8	2815.7	979.2	1113.3	144.1	42.9	18.9	6.5	4.2	
27	0.2	7.7	63.7	72.1	2443.3	852.0	921.0	131.7	42.9	19.9	7.3	3.8	
28	0.0	12.4	63.7	63.7	1943.2	720.8	821.7	121.6	42.9	19.9	6.5	3.8	
29	0.4	23.8	72.1	63.7	2062.9	728.2	735.6	109.6	40.7	19.9		3.5	
30	0.6	41.8	84.5	75.8	2538.9	1089.4	629.7	103.7	39.6	18.9		5.3	
31		46.3		99.8	2851.1		505.9		38.5	18.0		5.3	
TOTAL	37.0	286.4	2255.2	6583.4	43712.1	141806.9	64071.9	7411.0	1913.7	783.0	315.0	179.2	269354.8 TONDAY
MEAN	1.2	9.2	75.2	212.4	1410.1	4726.9	2066.8	247.0	61.7	25.3	11.2	5.8	
MAX	2.1	46.3	387.5	735.6	2986.3	11896.4	3363.1	428.3	99.8	36.3	18.0	10.2	11896.4
MIN	0.0	0.6	19.9	63.7	57.8	720.8	505.9	103.7	38.5	18.0	6.5	2.8	0.0

WATER YEAR 1983

MUN RIVER BASIN

LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION	LAT. 14-41-46 N., LONG. 101-25-07 E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	673 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1981 TO DATE
ACTUAL MEASUREMENT	1981 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - VACCINE SERUM OFFICE, PAK CHONG, NAKHON RATCHASIMA, M.89
STREAM - MUN
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
2.07953
QS = 0.9298 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.74	5.02	7.34	6.51	11.85	24.27	338.67	85.60	22.21	8.21	4.35	1.87	
2	7.34	5.02	7.34	5.74	11.85	35.97	221.46	77.70	22.21	8.21	4.35	1.87	
3	6.51	3.73	5.74	5.74	11.85	73.90	645.49	70.21	20.25	8.21	4.35	1.87	
4	6.51	3.73	5.02	11.85	14.93	53.18	631.14	70.21	18.38	6.51	4.35	1.87	
5	5.02	4.35	4.35	31.00	11.85	47.06	750.63	70.21	18.38	6.51	3.73	1.87	
6	3.73	4.35	6.51	28.66	16.61	35.97	1205.81	63.10	18.38	6.51	3.73	1.60	
7	3.73	4.35	5.02	20.25	41.32	28.66	880.91	53.18	18.38	6.51	3.73	1.87	
8	3.73	5.02	4.35	14.93	141.34	50.07	1084.57	47.06	16.61	6.51	3.73	1.87	
9	3.73	5.02	5.02	13.34	660.00	38.60	1906.66	47.06	16.61	6.51	3.73	1.60	
10	4.35	3.73	9.13	11.85	186.57	38.60	969.98	50.07	16.61	5.74	3.73	1.60	
11	8.21	4.35	7.34	988.62	206.81	81.60	616.95	50.07	16.61	5.74	3.73	1.87	
12	9.13	6.51	4.35	660.00	199.53	126.04	320.35	53.18	13.34	5.74	3.16	2.16	
13	7.34	7.34	3.73	1124.24	206.81	102.57	252.33	50.07	13.34	5.74	2.63	2.16	
14	4.35	10.44	3.73	1963.82	131.04	66.61	347.82	131.04	11.85	5.02	2.63	2.16	
15	3.73	8.21	3.73	260.55	379.09	163.14	951.53	102.57	11.85	5.02	2.63	2.16	
16	3.73	5.02	3.73	116.35	798.22	152.03	689.54	56.39	11.85	5.02	2.63	2.16	
17	3.73	5.02	11.85	73.90	329.24	236.63	509.50	50.07	11.85	5.02	2.63	1.87	
18	5.02	5.02	33.44	53.18	157.54	311.58	347.82	41.32	11.85	5.02	2.63	1.60	
19	4.35	5.02	33.44	44.14	121.15	214.24	1290.35	38.60	11.85	5.02	2.16	1.60	
20	5.02	5.02	35.97	50.07	102.57	174.65	25729.07	28.66	11.85	5.02	2.16	1.60	
21	5.02	5.02	16.61	31.00	131.04	236.63	5589.38	28.66	10.44	5.02	2.16	3.73	
22	4.35	5.02	13.34	22.21	152.03	244.59	1065.01	28.66	10.44	5.02	2.16	3.73	
23	6.51	5.02	14.93	20.25	85.60	192.69	575.41	26.42	9.13	4.35	2.16	2.16	
24	7.34	3.73	24.27	18.38	73.90	146.63	379.09	26.42	9.13	4.35	2.16	2.16	
25	5.02	3.73	16.61	13.34	53.18	1935.13	285.29	26.42	9.13	4.35	2.16	2.16	
26	5.02	3.73	14.93	11.85	41.32	459.77	214.24	26.42	8.21	5.02	2.16	2.16	
27	4.35	3.73	11.85	24.27	50.07	338.67	174.65	24.27	8.21	5.02	1.87	2.63	
28	4.35	4.35	10.44	22.21	47.06	329.24	152.03	24.27	8.21	5.02	1.60	2.63	
29	4.35	5.02	8.21	13.34	33.44	897.96	116.35	24.27	8.21	4.35		2.16	
30	5.02	7.34	6.51	13.34	31.00	293.66	111.66	24.27	8.21	4.35		2.16	
31		7.34		11.85	26.42		98.18		8.21	4.35		2.63	
TOTAL	156.33	160.30	338.83	5686.78	4465.23	7130.34	48451.87	1496.45	411.79	172.99	83.20	65.54	68619.66 TONDAY
MEAN	5.21	5.17	11.29	183.44	144.04	237.68	1562.96	49.88	13.28	5.58	2.97	2.11	
MAX	9.13	10.44	35.97	1963.82	798.22	1935.13	25729.07	131.04	22.21	8.21	4.35	3.73	25729.07
MIN	3.73	3.73	3.73	5.74	11.85	24.27	98.18	24.27	8.21	4.35	1.60	1.60	1.60

WATER YEAR 1984

MUN RIVER BASIN

HUAI LAM PLAI MAT AT BAN NON SOMBUN, NAKHON RATCHASIMA (M.121)

LOCATION	LAT. 14-18-27 N., LONG. 102-26-22 E., ON LEFT BANK ABOUT 4 KILOMETERS UPSTREAM FROM BAN NON SOMBUN, AMPHOE SOENG SANG, NAKHON RATCHASIMA.
DRAINAGE AREA	487 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1983-1984

RID COMPUTER CENTER 47-1602001

STATION - BAN NON SOMBUN, SOENG SANG, NAKHON RATCHASIMA, M.121
STREAM - LAM PLAI MAT
RIVER - MUN
RIVER SYSTEM - MUN

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.16024
QS = 3.0590 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.71	1.76	1.56	3.49	1.59	4.86	21.37	6.01	0.00	0.00	0.00	0.00	
2	0.24	1.59	1.06	3.74	1.99	13.35	15.72	5.09	0.00	0.00	0.00	0.00	
3	0.26	1.46	1.18	4.86	2.12	8.37	13.26	5.32	0.00	0.00	0.00	0.00	
4	0.21	1.31	0.82	6.25	2.29	8.65	11.75	5.89	0.00	0.00	0.00	0.00	
5	0.21	1.15	0.87	8.49	2.29	9.48	10.82	5.66	0.00	0.00	0.00	0.00	
6	0.21	1.06	1.00	11.62	2.40	8.65	11.54	5.09	0.00	0.00	0.00	0.00	
7	0.19	0.70	0.87	9.77	2.50	8.49	12.44	4.86	0.00	0.00	0.00	0.00	
8	0.16	0.61	0.67	4.22	2.71	8.49	14.31	4.56	0.00	0.00	0.00	0.00	
9	0.14	0.47	0.67	3.13	3.06	8.49	11.75	4.04	0.00	0.00	0.00	0.00	
10	0.12	0.03	1.00	2.57	3.34	7.96	10.61	3.93	0.00	0.00	0.00	0.00	
11	0.12	0.03	1.18	2.16	4.45	7.00	11.28	3.93	0.00	0.00	0.00	0.00	
12	0.12	0.07	1.06	2.99	8.41	6.64	11.07	3.56	0.00	0.00	0.00	0.00	
13	0.09	0.14	1.00	4.15	14.66	6.52	10.82	3.56	0.00	0.00	0.00	0.00	
14	0.14	0.14	2.57	6.25	14.31	9.02	20.62	3.85	0.00	0.00	0.00	0.00	
15	0.21	0.14	3.13	4.56	15.37	4.56	45.78	4.45	0.00	0.00	0.00	0.00	
16	0.21	0.09	2.64	3.49	24.08	5.78	41.53	5.89	0.00	0.00	0.00	0.00	
17	0.24	0.09	1.72	3.24	17.88	5.97	29.20	7.68	0.00	0.00	0.00	0.00	
18	0.26	0.12	1.43	3.13	14.22	6.21	22.58	8.65	0.00	0.00	0.00	0.00	
19	0.45	0.29	1.63	2.99	11.97	5.97	18.92	8.90	0.00	0.00	0.00	0.00	
20	0.36	0.36	1.31	2.88	11.33	5.78	24.51	8.65	0.00	0.00	0.00	0.00	
21	0.34	0.50	1.86	2.29	12.31	5.66	21.27	8.49	0.00	0.00	0.00	0.00	
22	0.34	0.56	2.29	1.99	11.45	5.66	16.89	8.37	0.00	0.00	0.00	0.00	
23	1.09	0.61	9.48	2.09	10.06	5.47	15.10	8.20	0.00	0.00	0.00	0.00	
24	1.53	0.61	6.52	1.92	8.37	5.47	12.65	7.96	0.00	0.00	0.00	0.00	
25	1.82	0.64	4.75	1.63	7.52	5.55	11.62	7.96	0.00	0.00	0.00	0.00	
26	1.92	0.87	3.74	1.43	6.64	9.06	10.35	7.80	0.00	0.00	0.00	0.00	
27	2.12	0.97	3.06	1.79	6.01	15.01	9.48	7.68	0.00	0.00	0.00	0.00	
28	2.33	0.97	3.06	2.57	5.43	11.54	8.37	7.68	0.00	0.00	0.00	0.00	
29	2.06	0.85	4.75	3.31	4.97	11.07	7.16	7.52	0.00	0.00		0.00	
30	1.92	0.85	3.93	0.93	4.56	18.51	7.00	7.52	0.00	0.00		0.00	
31		0.34		1.27	4.04		6.52		0.00	0.00		0.00	
TOTAL	22.12	19.38	70.81	115.20	242.33	243.24	496.29	188.75	0.00	0.00	0.00	0.00	1398.12 TONDAY
MEAN	0.74	0.63	2.36	3.72	7.82	8.11	16.01	6.29	0.00	0.00	0.00	0.00	
MAX	2.71	1.76	9.48	11.62	24.08	18.51	45.78	8.90	0.00	0.00	0.00	0.00	45.78
MIN	0.09	0.03	0.67	0.93	1.59	4.56	6.52	3.56	0.00	0.00	0.00	0.00	0.00

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

PRACHIN BURI RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13-59-05 N., LONG. 101-42-32 E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
METHOD OF SAMPLING	POINT METHOD AND DEPTH INTEGRATING
INSTRUMENT USED	SOUTH PACIFIC AND US.D-49
PERIOD OF AVAILABLE RECORDS	1964 TO DATE
ACTUAL MEASUREMENT	1966-1968,1970-1972,1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1984

RID COMPUTER CENTER

47-1602001

STATION - KABIN BURI, KABIN BURI, PRACHIN BURI, KGT.3
STREAM - PRACHIN BURI
RIVER - PRACHIN BURI
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.15434
QS = 4.8390 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.6	28.2	247.3	362.9	206.2	2580.1	2403.8	286.4	26.8	0.0	0.0	0.0	
2	19.2	39.8	263.4	323.4	237.9	2789.5	2624.2	247.3	24.7	0.0	0.0	0.0	
3	13.3	48.0	247.3	302.9	688.2	2693.0	2487.3	217.3	24.0	0.0	0.0	0.0	
4	18.5	36.8	458.9	323.4	658.0	2896.9	2487.3	197.0	28.2	0.0	0.0	0.0	
5	16.5	31.7	414.1	338.1	667.7	3313.1	2798.6	177.9	24.7	0.0	0.0	0.0	
6	11.4	28.9	362.9	345.0	652.6	3857.6	2896.9	167.9	21.9	0.0	0.0	0.0	
7	17.2	21.9	414.1	334.2	293.2	4216.0	2923.2	152.8	20.5	0.0	0.0	0.0	
8	13.3	17.2	585.3	414.1	418.1	4072.7	3257.0	140.4	21.9	0.0	0.0	0.0	
9	11.4	14.6	658.0	556.7	1215.7	3826.3	3501.0	121.3	24.0	0.0	0.0	0.0	
10	10.8	11.4	552.5	714.3	1778.0	4061.7	3775.9	114.5	24.0	0.0	0.0	0.0	
11	8.3	11.4	397.9	1535.4	2878.5	4160.8	3941.0	99.3	18.5	0.0	0.0	0.0	
12	6.6	11.4	570.4	1409.5	3887.7	3995.8	3908.2	101.8	16.5	0.0	0.0	0.0	
13	6.0	8.9	917.1	1513.7	4977.3	3724.2	3846.7	97.6	15.2	0.0	0.0	0.0	
14	6.0	21.9	750.3	1955.1	5514.7	3294.4	3694.4	103.5	18.5	0.0	0.0	0.0	
15	6.6	15.2	744.9	2263.4	5994.1	3229.0	3145.2	112.8	26.1	0.0	0.0	0.0	
16	7.1	14.6	698.0	2329.7	6357.4	3571.2	2711.2	110.2	28.2	0.0	0.0	0.0	
17	8.9	24.0	638.6	2058.9	6240.9	3435.1	2650.1	91.0	26.1	0.0	0.0	0.0	
18	9.5	30.3	677.4	1361.9	5714.2	3024.7	2437.1	81.1	22.6	0.0	0.0	0.0	
19	8.3	28.9	530.5	900.2	5386.1	2496.3	1963.8	71.4	22.6	0.0	0.0	0.0	
20	7.1	24.0	442.5	740.5	5540.5	2107.9	2254.5	69.8	17.2	0.0	0.0	0.0	
21	8.3	22.6	504.4	575.7	5783.3	1885.4	2278.7	69.8	16.5	0.0	0.0	0.0	
22	8.9	26.8	985.0	600.1	5714.2	1703.1	1785.4	62.7	14.6	0.0	0.0	0.0	
23	9.5	28.2	1294.4	718.6	5424.6	1570.5	1500.5	52.6	10.8	0.0	0.0	0.0	
24	14.6	41.2	1024.9	682.8	4977.3	1548.7	1222.7	46.5	10.2	0.0	0.0	0.0	
25	45.0	42.0	1007.8	658.0	4538.0	1755.8	996.4	65.9	7.1	0.0	0.0	0.0	
26	37.5	33.2	1268.5	638.6	4017.8	2563.3	776.7	48.0	4.8	0.0	0.0	0.0	
27	31.7	36.8	1048.9	500.2	3435.1	2295.2	619.3	39.0	3.2	0.0	0.0	0.0	
28	30.3	97.6	658.0	401.9	2870.6	2091.5	521.1	36.8	2.2	0.0	0.0	0.0	
29	26.1	430.3	512.7	316.5	2420.5	1878.0	450.7	34.6	1.2	0.0		0.0	
30	22.6	422.2	426.2	250.1	2387.2	1987.5	385.8	31.0	0.0	0.0		0.0	
31		293.2		220.1	2346.2		348.0		0.0	0.0		0.0	
TOTAL	463.1	1943.2	19302.2	25645.9	103221.8	86625.3	70592.7	3248.2	522.8	0.0	0.0	0.0	311565.2 TONDAY
MEAN	15.4	62.7	643.4	827.3	3329.7	2887.5	2277.2	108.3	16.9	0.0	0.0	0.0	
MAX	45.0	430.3	1294.4	2329.7	6357.4	4216.0	3941.0	286.4	28.2	0.0	0.0	0.0	6357.4
MIN	6.0	8.9	247.3	220.1	206.2	1548.7	348.0	31.0	0.0	0.0	0.0	0.0	0.0

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION	LAT. 13-48-29 N., LONG. 102-03-35 E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	2,523 SQ.KM.
METHOD OF SAMPLING	POINT METHOD AND DEPTH INTEGRATING
INSTRUMENT USED	SOUTH PACIFIC AND US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1969-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG KHIAN, SA KAEO, PRACHIN BURI, KGT.10
STREAM - KHLONG PHRA SATHUNG
RIVER - KHLONG PHRA PRONG
RIVER SYSTEM - PRACHING BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.13624
QS = 4.7563 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.1	9.9	24.9	43.4	18.1	609.2	639.4	53.4	18.5	7.9	6.7	8.3	
2	7.5	9.5	22.6	37.7	19.9	442.3	568.9	50.5	18.1	7.9	5.5	5.9	
3	7.1	12.0	25.3	30.6	21.7	379.7	525.0	46.2	18.1	7.5	4.0	6.7	
4	9.9	9.9	24.0	33.3	24.0	468.4	634.9	43.4	18.1	7.1	3.3	5.5	
5	12.9	12.0	32.7	32.7	32.7	855.0	670.8	44.8	18.1	7.1	3.3	4.0	
6	10.3	6.3	103.9	44.1	30.6	774.3	1020.2	46.2	17.2	6.7	3.3	2.9	
7	7.9	5.9	280.1	96.2	34.9	543.7	1285.4	42.8	17.2	6.3	3.3	2.6	
8	6.7	4.8	227.7	127.4	53.4	701.1	1445.2	37.7	16.8	5.9	3.3	2.6	
9	5.5	7.5	116.0	222.5	60.7	1114.2	222.5	34.9	15.9	5.1	4.4	3.3	
10	5.5	5.9	63.6	193.1	145.9	997.1	1869.6	33.8	14.6	4.4	4.0	2.9	
11	5.5	7.5	44.8	152.4	949.9	668.5	1975.6	32.7	15.0	4.4	3.3	4.8	
12	4.8	18.5	44.8	212.3	1664.6	571.1	1775.6	31.6	15.4	5.9	3.3	4.8	
13	6.7	11.6	79.3	789.9	1865.9	373.2	766.8	42.1	15.4	5.5	2.6	3.6	
14	5.5	11.6	136.7	1247.4	1654.2	502.3	374.8	34.4	12.9	4.8	2.9	2.6	
15	4.4	19.0	203.8	1190.7	1031.7	958.2	619.9	31.1	13.7	4.0	3.6	1.2	
16	7.1	18.1	155.8	515.5	564.7	1005.8	947.1	28.9	12.9	4.0	4.0	1.1	
17	3.6	16.8	130.1	238.2	365.0	515.5	684.6	27.9	12.9	4.0	3.6	0.9	
18	8.3	13.7	124.8	167.4	299.9	363.4	397.9	29.5	12.9	4.4	1.9	0.8	
19	7.1	12.9	93.6	131.9	537.4	324.2	292.8	31.1	12.0	4.0	5.5	0.8	
20	7.9	19.9	74.0	113.4	1081.1	416.3	266.0	28.9	12.0	3.6	4.4	0.7	
21	9.5	15.4	58.5	87.7	1087.1	292.8	337.3	26.3	11.6	3.6	2.9	0.7	
22	9.1	21.2	52.7	61.4	769.3	242.3	267.4	24.9	11.6	3.3	2.9	0.6	
23	9.1	14.6	74.0	46.2	566.8	228.9	193.1	24.4	11.6	3.3	2.9	0.6	
24	13.7	11.2	477.8	40.2	581.6	401.2	143.8	23.0	11.2	3.3	3.6	0.7	
25	10.8	12.0	668.5	32.7	670.8	425.6	116.9	22.1	10.3	3.3	3.6	0.8	
26	9.9	12.4	270.2	30.0	592.2	321.3	99.6	21.2	9.5	3.3	3.3	1.1	
27	10.3	25.8	112.5	28.4	421.9	552.1	86.9	20.8	9.1	3.3	3.3	4.4	
28	14.6	39.0	83.1	24.0	322.7	360.3	76.3	20.3	9.1	4.0	5.1	7.5	
29	16.3	39.6	66.6	23.0	319.9	243.7	68.1	19.4	8.7	12.9		12.4	
30	13.3	40.9	57.0	20.8	466.5	611.3	62.1	19.0	8.3	9.1		5.5	
31		34.4		19.0	657.3		57.7		7.9	7.5		4.0	
TOTAL	257.9	499.8	3929.4	6033.5	16912.4	16263.0	18492.2	973.3	416.6	167.4	103.8	104.3	64153.6 TONDAY
MEAN	8.6	16.1	131.0	194.6	545.6	542.1	596.5	32.4	13.4	5.4	3.7	3.4	
MAX	16.3	40.9	668.5	1247.4	1865.9	1114.2	1975.6	53.4	18.5	12.9	6.7	12.4	1975.6
MIN	3.6	4.8	22.6	19.0	18.1	228.9	57.7	19.0	7.9	3.3	1.9	0.6	0.6

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION	LAT. 13-56-02 N., LONG. 101-58-41 E., ON LEFT BANK NEAR THE RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.
DRAINAGE AREA	1,540 SQ.KM.
METHOD OF SAMPLING	POINT METHOD AND DEPTH INTEGRATING
INSTRUMENT USED	SOUTH PACIFIC AND US.D-49
PERIOD OF AVAILABLE RECORDS	1967 TO DATE
ACTUAL MEASUREMENT	1969 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN KAENG, SA KAEO, PRACHIN BURI, KGT.12
STREAM - KHLONG PHRA PRONG
RIVER - PRACHIN BURI
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.05242
QS = 3.8813 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.52	21.11	19.78	36.72	15.64	255.51	260.35	45.08	13.90	4.29	1.29	0.42	
2	5.95	22.00	21.56	40.20	15.64	261.56	291.66	41.40	12.85	3.88	1.29	0.42	
3	5.53	14.59	22.00	37.82	13.55	248.27	299.57	38.42	13.20	3.47	1.05	0.42	
4	4.09	12.51	31.35	28.37	12.16	238.64	330.89	35.63	13.20	2.87	0.94	0.42	
5	3.88	9.07	69.69	22.90	12.51	289.03	350.90	33.44	12.51	2.47	0.83	0.45	
6	2.67	6.99	92.55	28.37	18.90	362.36	350.90	31.85	12.16	2.47	0.83	0.42	
7	1.52	5.53	82.81	29.36	19.34	366.67	368.10	29.36	12.16	2.47	0.94	0.42	
8	1.87	4.91	68.28	25.13	21.11	363.80	418.74	29.36	12.16	2.27	1.17	0.38	
9	2.67	4.29	52.87	20.23	35.63	415.75	462.22	30.36	11.47	1.87	0.83	0.42	
10	2.47	3.68	40.20	22.00	111.92	499.30	496.18	30.36	11.82	1.87	0.71	0.38	
11	2.27	3.47	31.35	25.58	236.23	515.34	508.88	26.03	11.82	1.75	0.68	0.38	
12	1.75	3.27	33.99	35.63	436.71	488.38	530.62	24.68	11.82	1.40	0.64	0.31	
13	3.07	2.87	58.09	43.79	643.53	453.21	505.65	23.79	11.47	1.40	0.60	0.31	
14	2.67	3.07	83.62	95.80	759.19	395.41	332.32	25.13	12.16	1.29	0.56	0.31	
15	2.27	3.27	99.88	136.24	815.28	359.50	239.84	25.13	10.78	1.29	0.64	0.27	
16	1.87	4.91	92.55	122.03	813.26	360.93	257.93	24.68	9.41	1.29	0.64	0.24	
17	1.64	6.57	72.67	68.98	785.24	329.47	262.77	26.48	10.44	1.29	0.53	0.24	
18	1.52	4.91	57.44	60.71	764.77	265.18	212.08	26.48	12.16	1.05	0.56	0.20	
19	1.52	3.88	48.32	55.48	759.19	224.71	174.27	25.58	11.13	1.17	0.49	0.20	
20	2.27	3.47	44.44	45.08	751.76	175.31	171.16	25.58	10.78	1.05	0.53	0.20	
21	1.87	3.07	44.44	37.27	755.47	135.26	197.20	24.24	9.07	1.29	0.53	0.24	
22	1.87	3.88	50.92	35.63	744.32	113.76	206.35	22.90	7.20	0.94	0.56	0.24	
23	2.47	3.47	74.18	44.44	699.81	107.53	198.35	22.00	6.99	0.71	0.56	0.24	
24	3.68	2.87	99.88	69.69	604.18	122.96	171.16	19.34	6.16	0.64	0.56	0.27	
25	4.91	2.67	116.51	76.45	496.18	159.79	116.51	18.10	5.95	0.83	0.49	0.27	
26	7.42	2.47	109.26	64.75	376.72	171.16	90.11	17.75	5.74	1.40	0.49	0.27	
27	7.42	3.47	81.20	48.97	272.45	155.81	84.43	22.45	5.53	1.05	0.42	0.24	
28	6.37	4.70	63.34	32.90	224.71	143.07	76.45	21.11	5.12	0.94	0.38	0.24	
29	5.53	6.37	50.92	26.03	208.64	146.99	64.75	17.05	4.70	0.64		0.20	
30	5.32	10.10	41.40	20.67	208.64	176.35	54.82	14.94	4.50	1.40		0.20	
31		14.94		17.75	216.67		48.97		4.29	1.40		0.17	
TOTAL	99.88	202.38	1855.49	1454.97	11849.35	8301.01	8134.13	798.70	302.65	52.15	19.74	9.39	33079.84 TONDAY
MEAN	3.33	6.53	61.85	46.93	382.24	276.70	262.39	26.62	9.76	1.68	0.70	0.30	
MAX	7.42	22.00	116.51	136.24	815.28	515.34	530.62	45.08	13.90	4.29	1.29	0.45	815.28
MIN	1.52	2.47	19.78	17.75	12.16	107.53	48.97	14.94	4.29	0.64	0.38	0.17	0.17

WATER YEAR 1984

PRACHIN BURI RIVER BASIN

HUAI YANG AT BAN THUNG FAEK, PRACHIN BURI (KGT.14)

LOCATION	LAT. 14-09-30 N., LONG. 101-52-52 E., ON LEFT BANK ABOUT 2 KILOMETERS FROM KABIN BURI-NAKHON RATCHASIMA HIGHWAY, BAN THUNG FAEK, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	366 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1967-1981
ACTUAL MEASUREMENT	1969-1981
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1969-1981

RID COMPUTER CENTER

47-1602001

STATION - BAN THUNG FAEK, KABIN BURI, PRACHIN BURI, KGT.14
STREAM - HUAI YANG
RIVER - HANU MAN
RIVER SYSTEM - PRACHIN BURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.50597
QS = 2.3467 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.28	0.68	1.68	3.40	0.68	17.25	252.42	10.24	1.68	0.55	0.46	0.21	
2	1.31	0.50	1.31	2.49	0.68	19.07	92.62	8.88	1.68	0.55	0.38	0.19	
3	1.09	0.46	7.75	2.49	0.68	46.45	66.68	8.88	1.43	0.55	0.38	0.18	
4	1.09	0.42	4.28	22.91	0.78	77.74	140.78	8.88	1.43	0.55	0.38	0.18	
5	0.78	0.38	2.28	6.37	0.68	44.92	209.19	8.88	1.43	0.50	0.38	0.18	
6	0.50	0.35	1.68	3.90	0.68	32.27	85.07	7.75	1.43	0.50	0.38	0.18	
7	0.38	0.27	1.55	3.17	0.88	41.90	72.98	6.82	1.43	0.46	0.42	0.16	
8	0.35	0.27	2.28	2.71	17.25	24.91	56.62	6.37	1.43	0.46	0.42	0.16	
9	0.27	0.24	2.07	2.93	29.75	33.56	46.45	5.93	1.43	0.42	0.42	0.16	
10	0.27	0.27	2.93	11.66	109.37	33.56	72.98	5.50	1.31	0.42	0.38	0.16	
11	0.31	0.21	4.28	31.00	121.40	24.91	62.59	5.93	1.31	0.42	0.38	0.15	
12	0.31	0.19	21.93	20.01	103.51	48.00	46.45	6.82	1.31	0.38	0.38	0.15	
13	0.31	0.59	26.09	21.93	82.60	31.00	34.86	6.37	1.31	0.38	0.35	0.15	
14	0.35	0.42	13.91	21.93	144.15	60.58	77.74	7.28	1.31	0.35	0.42	0.15	
15	0.50	0.38	6.37	13.15	275.74	397.46	137.44	9.55	1.20	0.35	0.88	0.15	
16	0.38	0.38	3.65	8.23	124.48	118.35	70.86	8.23	1.09	0.35	0.42	0.13	
17	0.50	0.38	2.71	8.88	58.59	112.34	49.57	6.37	0.98	0.35	0.35	0.13	
18	0.55	0.42	3.65	5.93	37.52	176.86	44.92	5.08	0.98	0.38	0.31	0.12	
19	0.46	0.46	2.28	3.65	52.75	66.68	545.82	4.28	0.98	0.38	0.31	0.12	
20	0.38	0.78	2.71	2.93	118.35	72.98	1274.55	3.65	0.98	0.38	0.31	0.12	
21	0.42	0.31	8.23	2.49	68.76	124.48	144.15	3.40	0.98	0.38	0.31	0.12	
22	0.59	0.24	22.91	2.28	41.90	66.68	70.86	3.17	0.88	0.38	0.27	0.12	
23	1.68	0.31	18.15	2.71	37.52	68.76	48.00	2.93	0.68	0.42	0.24	0.11	
24	5.93	0.31	10.94	2.49	75.35	97.77	36.18	2.71	0.59	0.42	0.24	0.11	
25	2.07	0.27	6.37	2.07	51.15	200.94	28.51	2.49	0.59	0.42	0.21	0.11	
26	3.17	0.35	3.90	1.68	31.00	121.40	23.90	2.28	0.59	0.55	0.21	0.11	
27	3.90	0.46	3.17	1.43	20.96	66.68	20.01	1.87	0.59	3.17	0.21	0.12	
28	1.55	3.90	6.82	1.20	15.48	44.92	17.25	1.87	0.59	1.31	0.21	0.12	
29	0.98	5.93	7.75	0.98	13.91	140.78	14.69	1.87	0.55	0.78		0.12	
30	0.68	2.71	5.08	0.78	13.15	230.30	13.15	1.87	0.55	0.55		0.12	
31		1.55		0.78	16.36		11.66		0.55	0.46		0.12	
TOTAL	33.34	24.39	208.71	218.56	1666.06	2643.50	3868.95	166.15	33.27	17.52	10.01	4.41	8894.87 TONDAY
MEAN	1.11	0.79	6.96	7.05	53.74	88.12	124.80	5.54	1.07	0.57	0.36	0.14	
MAX	5.93	5.93	26.09	31.00	275.74	397.46	1274.55	10.24	1.68	3.17	0.88	0.21	1274.55
MIN	0.27	0.19	1.31	0.78	0.68	17.25	11.66	1.87	0.55	0.35	0.21	0.11	0.11

WATER YEAR 1984

EAST COAST-GULF BASIN

CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION LAT. 12-45-40 N., LONG. 102-18-35 E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.

DRAINAGE AREA 671 SQ.KM.

METHOD OF SAMPLING POINT METHOD

INSTRUMENT USED SOUTH PACIFIC

PERIOD OF AVAILABLE RECORDS 1978 - 1984

ACTUAL MEASUREMENT 1978 - 1984

REMARKS DISCONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1978-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN PUK, MAKHAM, CHANTHABURI, Z.13
STREAM - CHANTHABURI
RIVER - CHANTHABURI
RIVER SYSTEM - CHANTHABURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.86522
QS = 0.1167 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.8	1.9	137.7	137.7	18.8	460.8	468.7	27.2	3.5	0.5	0.5	0.7	
2	0.8	1.9	83.8	106.3	86.9	551.6	560.2	24.3	3.5	0.5	0.4	0.6	
3	0.6	1.4	64.0	94.8	78.0	395.8	317.0	22.4	3.4	0.4	0.3	0.7	
4	0.5	2.0	79.3	82.3	48.0	460.8	343.0	20.6	3.2	0.4	0.3	0.5	
5	0.4	1.6	60.4	90.0	37.9	317.0	1020.8	19.4	2.9	0.4	0.2	0.3	
6	0.3	1.1	67.7	98.0	124.3	295.4	464.7	17.7	2.8	0.3	0.2	0.3	
7	0.2	1.0	198.1	109.7	103.0	353.1	292.5	16.0	2.6	0.3	0.3	0.4	
8	0.2	0.9	611.1	130.0	66.4	289.5	277.9	14.5	2.5	0.6	0.2	0.8	
9	1.4	1.0	509.4	111.5	168.7	258.0	336.3	13.5	2.2	3.0	0.1	0.7	
10	1.6	1.7	310.7	99.6	1335.2	225.5	425.8	13.5	2.1	0.6	0.1	0.5	
11	0.9	10.9	639.8	109.7	740.1	184.2	560.2	15.5	2.0	0.5	0.1	0.4	
12	0.6	9.3	766.2	124.3	326.5	186.5	460.8	13.5	1.9	0.4	0.1	0.3	
13	0.5	55.7	750.4	153.9	326.5	353.1	472.7	13.1	1.7	0.4	0.1	0.2	
14	0.4	31.5	659.3	99.6	280.7	441.2	429.6	11.7	1.6	0.4	0.0	0.1	
15	0.6	21.8	429.6	72.7	186.5	346.3	456.8	14.0	1.5	0.4	0.0	0.1	
16	0.6	13.5	298.4	61.5	137.7	233.4	339.6	17.7	1.4	0.3	0.9	0.1	
17	0.6	10.9	198.1	55.7	118.7	188.7	252.4	14.0	1.3	0.3	1.4	0.0	
18	0.6	12.2	139.7	79.3	188.7	195.7	195.7	11.3	1.3	0.3	0.2	0.0	
19	1.1	18.2	122.4	71.5	2047.6	215.2	207.8	10.1	1.3	0.2	0.1	0.0	
20	0.7	19.4	139.7	56.8	2886.8	207.8	198.1	9.3	1.3	0.3	0.1	0.0	
21	0.7	17.7	173.1	43.8	2425.3	166.6	139.7	8.3	1.2	0.2	0.1	0.0	
22	0.6	11.7	1379.4	45.9	1487.3	133.8	108.0	7.6	1.2	0.3	0.1	0.0	
23	0.5	9.7	3022.2	56.8	517.7	141.7	88.4	6.9	1.0	2.8	0.3	0.1	
24	0.5	13.1	3010.8	37.9	310.7	141.7	76.7	6.0	0.9	2.5	2.2	0.1	
25	0.6	18.8	724.6	36.9	238.8	141.7	66.4	5.5	0.8	2.6	1.9	0.2	
26	1.0	86.9	292.5	32.3	222.9	135.8	56.8	5.0	0.7	2.5	1.2	0.1	
27	1.2	164.4	236.1	27.2	217.7	108.0	50.1	4.3	0.6	5.3	1.2	0.1	
28	1.6	108.0	198.1	24.3	210.3	96.4	43.8	4.1	0.5	2.6	1.0	0.1	
29	1.5	260.8	184.2	24.3	210.3	158.1	38.8	3.8	0.5	1.4		0.0	
30	1.6	115.1	139.7	21.2	468.7	177.5	33.2	3.5	0.5	0.9		0.0	
31		168.7		19.4	437.3		30.6		0.4	0.6		0.0	
TOTAL	23.2	1192.8	15626.5	2314.9	16054.0	7560.9	8813.1	374.3	52.3	32.2	13.6	7.4	52065.2 TONDAY
MEAN	0.8	38.5	520.9	74.7	517.9	252.0	284.3	12.5	1.7	1.0	0.5	0.2	
MAX	1.6	260.8	3022.2	153.9	2886.8	551.6	1020.8	27.2	3.5	5.3	2.2	0.8	3022.2
MIN	0.2	0.9	60.4	19.4	18.8	96.4	30.6	3.5	0.4	0.2	0.0	0.0	0.0

WATER YEAR 1984

MAE KLONG RIVER BASIN

KHWAE NOI RIVER AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION	LAT. 14-05-40 N., LONG. 99-10-28 E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	7,008 SQ.KM.
METHOD OF SAMPLING	POINT METHOD AND DEPTH INTEGRATING
INSTRUMENT USED	BRINCKLEY AND US.D-49
PERIOD OF AVAILABLE RECORDS	1965 TO DATE
ACTUAL MEASUREMENT	1965-1967,1971-1972,1974 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1978-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN LUM SUM, SAI YOK, KANCHANA BURI, K.10
STREAM - KHWAE NOI
RIVER - MAE KLONG
RIVER SYSTEM - MAE KLONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.37521
QS = 1.4310 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	86.44	282.26	207.52	834.42	237.54	264.12	351.34	190.88	72.72	741.40	27.37	277.70	
2	103.74	237.54	720.37	543.29	264.12	314.79	388.97	178.65	72.72	706.44	23.49	110.26	
3	106.73	207.52	472.98	410.93	273.15	325.12	433.22	147.15	72.72	567.31	29.37	62.19	
4	117.40	162.69	128.34	277.70	215.98	330.32	433.22	264.12	78.12	692.58	27.37	72.72	
5	106.73	132.05	78.12	233.18	186.78	310.08	444.48	220.25	135.78	170.62	29.37	92.15	
6	92.15	110.26	59.67	273.15	215.98	282.26	378.11	174.62	128.34	158.77	59.67	86.44	
7	83.68	100.84	47.32	286.85	378.11	250.73	325.12	296.08	139.54	241.91	124.67	75.43	
8	78.12	92.15	62.19	282.26	525.47	233.18	325.12	174.62	147.15	186.78	106.73	72.72	
9	72.72	94.98	52.19	286.85	531.39	246.31	706.44	139.54	151.00	132.05	100.84	86.44	
10	70.03	113.81	42.63	237.54	461.52	314.79	727.36	132.05	170.62	132.05	94.98	89.28	
11	70.03	128.34	35.83	215.98	394.43	490.31	604.38	132.05	651.46	154.87	97.90	78.12	
12	72.72	128.34	33.62	195.00	372.72	422.03	478.74	170.62	734.37	117.40	89.28	70.03	
13	78.12	143.33	33.62	195.00	507.80	330.32	416.47	135.78	741.40	124.67	92.15	75.43	
14	75.43	117.40	72.72	199.15	713.39	330.32	427.62	139.54	878.35	117.40	106.73	89.28	
15	94.98	121.02	75.43	170.62	885.73	346.05	478.74	450.14	597.73	110.26	103.74	83.68	
16	80.88	139.54	62.19	166.64	776.82	438.84	472.98	178.65	900.54	106.73	106.73	72.72	
17	80.88	124.67	57.13	174.62	597.73	537.33	461.52	186.78	783.96	106.73	158.77	64.80	
18	78.12	113.81	52.19	174.62	467.24	501.95	410.93	147.15	665.09	296.08	97.90	103.74	
19	75.43	121.02	52.19	162.69	388.97	585.51	367.34	128.34	549.27	264.12	62.19	78.12	
20	70.03	154.87	132.05	151.00	399.91	416.47	356.65	106.73	692.58	162.69	80.88	62.19	
21	64.80	207.52	250.73	154.87	361.99	450.14	361.99	100.84	1006.07	154.87	147.15	80.88	
22	67.43	203.33	1365.65	139.54	325.12	410.93	314.79	94.98	856.31	49.73	174.62	83.68	
23	78.12	182.70	1321.08	124.67	310.08	367.34	277.70	89.28	692.58	38.08	92.15	83.68	
24	97.90	158.77	1752.62	121.02	296.08	450.14	268.63	89.28	519.56	33.62	124.67	75.43	
25	132.05	135.78	1783.51	121.02	268.63	422.03	268.63	86.44	549.27	31.50	154.87	67.43	
26	158.77	147.15	1112.89	121.02	268.63	496.12	305.40	83.68	644.68	31.50	86.44	67.43	
27	106.73	135.78	915.42	121.02	255.18	631.17	268.63	80.88	507.80	29.37	117.40	67.43	
28	151.00	132.05	1793.84	124.67	241.91	450.14	228.85	78.12	706.44	27.37	178.65	57.13	
29	356.65	147.15	3105.65	117.40	241.91	361.99	215.98	78.12	769.70	27.37		62.19	
30	383.53	139.54	1670.98	139.54	241.91	351.34	203.33	75.43	762.60	25.41		75.43	
31		132.05		203.33	241.91		195.00		812.69	25.41		89.28	
TOTAL	3291.34	4548.26	17550.67	6959.59	11848.13	11662.17	11897.68	4550.79	16191.16	5765.09	2696.08	2613.43	99574.40 TONDAY
MEAN	109.71	146.72	585.02	224.50	382.20	388.74	383.80	151.69	522.30	185.97	96.29	84.30	
MAX	383.53	282.26	3105.65	834.42	885.73	631.17	727.36	450.14	1006.07	741.40	178.65	277.70	3105.65
MIN	64.80	92.15	33.62	117.40	186.78	233.18	195.00	75.43	72.72	25.41	23.49	57.13	23.49

WATER YEAR 1984

MAE KLONG RIVER BASIN

LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14-20-14 N., LONG. 99-29-22 E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 - 1985
ACTUAL MEASUREMENT	1984 - 1985
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG YAI, BO PHLOI, KANCHANA BURI, K.27
STREAM - LAM TAPHOEN
RIVER - KHWAE YAI
RIVER SYSTEM - MAE KLONG

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.45814
QS = 9.6895 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.13	82.11	8.72	9.55	2.18	0.61	54.04	93.98	8.31	2.18	1.07	0.20	
2	9.13	59.45	8.72	8.72	2.01	0.55	59.45	85.45	8.04	2.18	1.00	0.24	
3	9.13	42.58	8.72	7.65	2.18	0.67	56.73	75.56	7.65	2.27	0.93	0.24	
4	8.31	33.68	8.31	6.74	1.92	0.61	50.44	63.49	7.00	2.18	0.86	0.20	
5	8.04	25.47	8.04	6.37	1.59	0.67	60.71	59.45	6.74	2.01	0.80	0.20	
6	7.38	20.29	18.88	10.40	1.59	0.67	113.30	52.83	6.12	2.01	0.73	0.20	
7	6.12	18.19	21.01	12.18	1.51	0.67	113.30	49.26	6.12	2.01	0.73	0.20	
8	5.40	15.99	16.49	6.74	1.51	0.73	109.04	45.77	5.76	2.01	0.67	0.20	
9	5.76	14.53	19.58	7.00	1.44	0.93	115.45	43.48	5.17	1.92	0.61	0.20	
10	5.40	13.10	18.19	9.97	1.51	0.80	182.92	40.57	5.17	1.92	0.55	0.20	
11	5.17	12.18	15.50	11.28	1.44	0.80	264.17	38.59	4.71	1.84	0.49	0.20	
12	5.17	13.10	16.49	9.97	1.44	0.80	319.74	38.59	4.49	1.59	0.49	0.20	
13	4.94	13.10	15.99	8.31	1.21	0.73	354.65	35.58	4.49	1.51	0.49	0.20	
14	4.94	11.73	15.99	7.00	1.21	1.44	283.55	33.68	4.27	1.59	0.39	0.16	
15	5.40	10.40	14.53	6.37	1.21	2.45	199.14	31.82	4.27	1.51	0.39	0.16	
16	5.17	10.40	12.64	6.12	1.21	2.45	196.59	28.98	4.05	1.44	0.34	0.16	
17	4.94	10.84	11.28	5.76	1.28	2.55	230.94	26.43	4.05	1.44	0.34	0.16	
18	4.71	10.84	9.13	5.17	1.51	7.38	202.07	24.70	3.84	1.44	0.29	0.16	
19	4.49	14.05	8.72	4.94	1.59	7.65	302.93	23.20	3.42	1.44	0.29	0.12	
20	4.05	18.19	8.04	4.71	1.28	7.65	299.19	21.73	3.42	1.36	0.29	0.12	
21	3.42	18.19	8.31	4.27	0.93	7.38	495.28	19.58	3.42	1.28	0.29	0.12	
22	3.22	12.18	8.04	4.05	0.86	7.38	636.09	16.99	3.22	1.21	0.24	0.12	
23	2.93	16.49	7.65	3.63	0.80	6.37	655.11	15.50	3.22	1.21	0.24	0.12	
24	3.22	14.53	8.31	3.42	0.67	8.04	569.37	16.49	3.22	1.21	0.24	0.12	
25	3.42	12.64	8.72	3.22	0.67	34.52	397.00	12.64	3.02	1.28	0.20	0.09	
26	4.27	11.73	8.72	3.02	0.67	12.64	287.23	11.73	2.93	1.28	0.20	0.09	
27	9.97	10.84	8.72	2.93	0.67	44.62	227.50	10.84	1.84	1.36	0.20	0.09	
28	73.95	10.40	8.04	2.45	0.67	73.95	188.28	10.40	1.14	1.28	0.20	0.09	
29	191.16	10.40	8.04	2.18	0.67	56.73	156.87	9.13	2.18	1.21		0.09	
30	124.17	9.55	8.31	2.27	0.49	42.58	133.08	8.31	2.27	1.14		0.12	
31		8.72		2.27	0.49		109.04		2.45	1.14		0.12	
TOTAL	542.51	585.89	347.83	188.66	38.41	335.02	7423.20	1044.75	136.00	49.45	13.56	4.89	10710.17 TONDAY
MEAN	18.08	18.90	11.59	6.09	1.24	11.17	239.46	34.83	4.39	1.60	0.48	0.16	
MAX	191.16	82.11	21.01	12.18	2.18	73.95	655.11	93.98	8.31	2.27	1.07	0.24	655.11
MIN	2.93	8.72	7.65	2.18	0.49	0.55	50.44	8.31	1.14	1.14	0.20	0.09	0.09

WATER YEAR 1984

PHETCHABURI RIVER BASIN

HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION	LAT. 12-55-56 N., LONG. 99-47-05 E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	1,015 SQ.KM.
METHOD OF SAMPLING	POINT METHOD
INSTRUMENT USED	SOUTH PACIFIC
PERIOD OF AVAILABLE RECORDS	1966 TO DATE
ACTUAL MEASUREMENT	1966-1978
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1966-1978

RID COMPUTER CENTER

47-1602001

STATION - BAN SA YAI NON, THA YANG, PHETCHABURI, B.6
STREAM - HUAI MAE PRACHAN
RIVER - PHETCHABURI
RIVER SYSTEM - PHETCHABURI

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.61680
QS = 2.3541 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.08	1.03	30.14	8.05	0.56	110.32	4.29	0.56	0.17	0.08	0.02	
2	0.15	0.08	0.79	15.51	7.22	0.56	89.97	3.87	0.62	0.17	0.08	0.02	
3	0.15	0.08	0.79	9.76	6.03	0.56	187.84	3.42	0.49	0.15	0.08	0.01	
4	0.15	0.08	0.69	14.74	4.93	0.56	96.16	3.20	0.43	0.15	0.10	0.01	
5	0.15	0.06	1.51	117.68	4.58	0.49	93.04	2.99	0.43	0.15	0.10	0.01	
6	0.15	0.06	1.35	353.68	4.10	0.49	89.97	2.75	0.43	0.15	0.10	0.01	
7	0.12	0.06	2.75	211.02	4.10	0.49	44.04	2.75	0.43	0.15	0.08	0.01	
8	0.12	0.06	15.51	156.93	3.87	0.43	166.87	2.55	0.37	0.15	0.08	0.01	
9	0.08	0.06	7.63	241.42	3.42	0.43	538.12	2.39	0.32	0.15	0.06	0.01	
10	0.08	0.06	3.64	121.43	2.99	0.43	1631.43	2.20	0.32	0.15	0.06	0.01	
11	0.08	0.04	3.20	205.13	2.99	2.02	1105.72	1.84	0.27	0.12	0.06	0.00	
12	0.08	0.04	2.75	863.92	2.75	2.55	284.17	1.51	0.27	0.12	0.06	0.00	
13	0.08	0.06	2.02	1259.15	2.39	2.55	133.11	1.67	0.27	0.12	0.06	0.00	
14	0.08	2.39	1.51	672.35	2.20	2.55	113.98	1.51	0.27	0.12	0.06	0.01	
15	0.08	1.20	1.51	394.72	2.20	3.42	235.21	1.20	0.27	0.12	0.04	0.01	
16	0.08	1.84	1.20	276.86	2.02	3.20	129.05	3.42	0.27	0.12	0.04	0.00	
17	0.08	2.55	1.03	211.02	1.84	3.64	80.98	2.75	0.27	0.10	0.04	0.00	
18	0.08	1.67	1.03	147.22	1.51	3.42	50.49	2.39	0.27	0.10	0.02	0.00	
19	0.10	1.51	1.03	89.97	1.35	2.99	33.42	2.02	0.27	0.10	0.02	0.00	
20	0.15	1.51	1.03	59.61	1.20	2.55	40.38	1.84	0.27	0.10	0.02	0.00	
21	0.17	1.20	1.03	44.04	1.20	2.20	69.57	1.67	0.27	0.08	0.02	0.00	
22	0.17	1.03	1.03	35.11	1.03	5.66	54.98	1.67	0.27	0.08	0.02	0.00	
23	0.15	6.42	1.67	42.19	0.92	4.93	33.42	1.51	0.27	0.08	0.02	0.00	
24	0.15	3.20	1.20	40.38	0.79	4.10	20.90	1.35	0.22	0.08	0.02	0.00	
25	0.12	2.02	1.84	46.15	0.69	11.80	16.54	1.03	0.22	0.08	0.02	0.00	
26	0.10	3.20	3.42	64.38	0.69	11.80	14.74	0.92	0.22	0.08	0.02	0.00	
27	0.10	1.67	4.29	31.76	0.69	69.57	10.42	0.92	0.22	0.08	0.02	0.00	
28	0.10	1.20	11.80	19.78	0.69	78.06	8.05	0.79	0.22	0.08	0.02	0.00	
29	0.08	1.20	15.51	13.24	0.62	66.82	6.82	0.69	0.17	0.08		0.00	
30	0.08	1.20	31.76	10.42	0.62	54.98	5.66	0.62	0.17	0.08		0.00	
31		1.20		9.11	0.56		4.93		0.17	0.08		0.00	
TOTAL	3.41	37.03	125.55	5808.82	78.24	343.81	5500.30	61.73	9.52	3.54	1.40	0.14	11973.49 TONDAY
MEAN	0.11	1.19	4.18	187.38	2.52	11.46	177.43	2.06	0.31	0.11	0.05	0.00	
MAX	0.17	6.42	31.76	1259.15	8.05	78.06	1631.43	4.29	0.62	0.17	0.10	0.02	1631.43
MIN	0.08	0.04	0.69	9.11	0.56	0.43	4.93	0.62	0.17	0.08	0.02	0.00	0.00

WATER YEAR 1984

WEST COAST-GULF BASIN

KHLONG BANG SAPHAN YAI AT BAN WANG YAO, PRACHUAP KHIRI KHAN (GT.7)

LOCATION	LAT. 11-14-02 N., LONG. 99-26-35 E., ON LEFT BANK NEAR THE BRIDGE HIGHWAY AT BAN WANG YAO, TAMBON RON THONG, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	346 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1984 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984-1985

RID COMPUTER CENTER 47-1602001

STATION - BAN WANG YAO, BANG SAPHAN, PRACHUAP KHIRI KHAN, GT.7
STREAM - KHLONG BANG SAPHANYAI
RIVER - KHLONG BANG SAPHANYAI
RIVER SYSTEM - WEST COAST-GULF

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW1
1.21231
QS = 9.3444 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.74	1.01	7.24	227.11	32.56	203.76	91.05	65.75	28.10	24.17	4.43	2.00	
2	1.25	0.57	7.02	116.42	33.69	292.17	75.44	58.65	28.10	23.24	3.94	1.49	
3	1.17	0.50	26.06	80.36	33.69	181.82	93.76	50.78	28.10	23.24	3.55	1.49	
4	1.17	0.44	41.79	56.31	33.69	137.71	128.51	48.96	28.10	19.57	3.36	1.49	
5	1.01	0.44	32.56	91.05	33.69	150.88	119.42	47.14	27.01	16.27	6.91	1.33	
6	0.86	0.37	30.32	52.61	33.69	192.73	88.36	52.61	27.01	16.27	4.93	1.25	
7	0.79	0.37	63.37	219.21	34.83	128.51	185.45	45.35	27.01	12.84	5.34	1.17	
8	0.64	1.25	34.83	403.92	34.83	131.56	403.92	41.79	26.06	9.34	4.73	1.17	
9	0.57	0.50	28.10	378.86	34.83	99.21	414.02	40.03	26.06	7.56	3.65	1.17	
10	0.57	1.25	29.21	211.36	52.61	110.46	203.76	35.97	25.11	7.24	3.08	1.57	
11	0.50	1.91	31.43	322.87	211.36	140.98	154.21	35.97	25.11	7.02	2.89	2.08	
12	0.50	4.83	38.28	305.26	215.28	157.54	119.42	34.83	25.11	7.02	2.80	1.57	
13	0.44	6.06	35.97	639.51	140.98	769.40	99.21	34.83	25.11	7.02	2.35	1.49	
14	0.44	29.21	32.56	331.74	122.44	318.45	91.05	33.69	25.11	6.91	2.26	1.33	
15	0.37	17.27	30.32	215.28	88.36	359.88	85.68	33.69	24.17	6.59	2.08	1.01	
16	0.79	7.56	29.21	137.71	68.15	300.88	70.57	35.97	23.24	6.91	2.00	11.42	
17	1.25	10.03	29.21	91.05	61.00	408.96	65.75	33.69	23.24	7.35	2.00	17.27	
18	1.17	7.24	28.10	75.44	65.75	279.59	56.31	32.56	23.24	7.24	1.91	15.28	
19	1.01	4.23	25.11	65.75	85.68	364.61	52.61	31.43	24.17	4.03	1.91	5.34	
20	1.01	2.89	50.78	41.79	101.96	192.73	50.78	30.32	24.17	4.03	1.74	4.93	
21	0.79	2.26	63.37	23.24	125.47	178.21	68.15	32.56	24.17	3.94	1.74	4.83	
22	0.57	1.74	147.57	15.77	119.42	128.51	61.00	31.43	33.69	4.73	1.57	6.38	
23	0.86	1.33	350.46	12.49	96.48	104.72	48.96	30.32	31.43	4.03	1.57	6.70	
24	1.17	1.57	192.73	15.28	75.44	181.82	96.48	30.32	37.12	3.17	1.74	7.24	
25	0.86	1.25	65.75	56.31	63.37	167.63	598.66	30.32	28.10	3.08	2.08	7.35	
26	0.57	1.01	88.36	47.14	52.61	287.83	331.74	30.32	26.06	29.21	4.53	7.24	
27	0.57	0.79	227.11	38.28	50.78	283.70	243.05	29.21	25.11	22.31	3.94	6.70	
28	0.50	1.49	243.05	56.31	45.35	157.54	134.63	29.21	25.11	10.72	2.71	6.06	
29	0.50	1.74	546.50	45.35	45.35	119.42	104.72	29.21	24.17	7.35		6.38	
30	0.50	5.13	454.85	41.79	70.57	99.21	85.68	29.21	24.17	7.35		6.91	
31		6.70		40.03	113.43		72.99		24.17	6.06		7.02	
TOTAL	24.14	122.94	3011.22	4455.60	2377.34	6630.42	4495.34	1126.12	816.63	325.81	85.74	148.66	23619.96 TONDAY
MEAN	0.80	3.97	100.37	143.73	76.69	221.01	145.01	37.54	26.34	10.51	3.06	4.80	
MAX	1.74	29.21	546.50	639.51	215.28	769.40	598.66	65.75	37.12	29.21	6.91	17.27	769.40
MIN	0.37	0.37	7.02	12.49	32.56	99.21	48.96	29.21	23.24	3.08	1.57	1.01	0.37

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION	LAT. 7-08-35 N., LONG. 100-17-20 E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	272 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN KKAMPHAENG PHET, RATTHAPHUM, SONGKHLA, X.67
STREAM - KHLONG RATTHAPHUM
RIVER - KHLONG RATTHAPHUM
RIVER SYSTEM - KHLONG RATTHAPHUM

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.42195
QS = 3.0348 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.39	11.23	27.40	51.65	33.65	40.35	2.78	6.67	33.65	93.01	13.05	79.38	
2	16.86	10.79	18.76	36.41	22.88	8.66	2.57	5.61	449.26	76.45	14.47	47.31	
3	14.47	9.92	13.52	28.24	16.86	3.84	2.57	4.70	832.09	68.15	14.47	35.51	
4	14.47	9.07	16.22	26.66	11.68	1.33	3.57	4.12	511.90	59.63	20.64	25.92	
5	14.00	7.45	10.35	22.10	10.35	0.85	4.12	5.00	214.54	61.94	19.35	20.64	
6	13.05	6.67	9.07	20.64	10.79	0.47	6.67	13.52	117.71	48.38	15.09	19.35	
7	13.05	9.49	8.66	19.35	9.07	0.47	5.61	12.13	100.85	45.27	14.47	18.09	
8	11.68	11.23	11.68	18.09	9.92	11.23	58.38	25.92	83.85	39.33	13.52	16.86	
9	11.68	11.68	10.35	23.59	8.25	15.09	42.22	12.59	54.99	35.51	13.52	16.22	
10	12.59	11.68	10.79	18.09	7.45	33.65	51.65	8.66	43.27	31.81	12.13	16.22	
11	12.13	15.65	37.41	64.38	5.92	49.47	24.39	7.06	34.53	30.01	12.13	18.09	
12	12.13	25.92	21.40	163.15	5.61	5.61	14.00	5.61	27.40	27.40	14.00	19.35	
13	10.35	16.86	16.22	66.96	5.00	5.92	11.23	5.61	23.59	25.92	30.95	16.86	
14	9.49	23.59	14.00	47.31	4.41	16.86	8.25	6.29	19.35	23.59	22.10	16.86	
15	9.07	39.33	12.59	96.12	3.84	10.35	7.06	6.29	17.51	21.40	18.09	18.09	
16	14.00	37.41	11.23	115.93	3.57	7.06	5.61	5.61	16.86	20.64	17.51	24.39	
17	20.03	29.16	9.07	174.52	2.78	5.61	5.30	9.49	20.64	20.03	16.86	26.66	
18	18.76	19.35	8.25	132.28	2.57	13.52	5.61	9.92	18.09	17.51	15.09	19.35	
19	14.00	16.86	7.84	70.67	2.13	7.45	5.30	5.92	16.22	15.09	13.52	16.86	
20	16.86	16.22	7.06	51.65	2.13	6.29	5.30	7.45	13.05	15.65	13.52	15.09	
21	17.51	12.59	9.92	39.33	1.94	7.06	4.70	24.39	89.93	15.09	14.00	13.05	
22	13.05	12.13	9.07	32.77	1.72	5.30	5.92	16.86	255.14	14.47	15.09	7.84	
23	12.13	11.68	9.92	29.16	1.54	4.70	31.81	13.05	1277.29	14.47	13.52	6.67	
24	11.68	11.68	13.52	26.66	1.33	4.41	25.11	7.84	1302.77	15.09	18.76	5.00	
25	14.00	11.23	18.09	26.66	0.98	3.30	34.53	8.66	1083.64	15.09	14.47	4.41	
26	12.59	16.22	14.00	25.92	0.98	4.70	33.65	10.79	1118.62	14.47	14.47	4.12	
27	15.09	13.52	32.77	26.66	0.98	4.41	25.11	14.47	449.26	14.47	18.09	4.12	
28	13.52	10.79	47.31	26.66	0.85	4.12	15.65	9.92	243.96	15.65	56.11	4.12	
29	11.23	9.49	38.41	25.11	0.47	4.70	11.68	7.84	194.08	16.86		12.59	
30	11.23	9.49	34.53	104.16	0.03	4.12	9.07	35.51	174.52	13.05		11.68	
31		9.49		49.47	6.29		7.45		115.93	12.13		8.66	
TOTAL	415.09	467.87	509.41	1660.35	195.97	290.90	476.87	317.50	8954.49	937.56	488.99	569.36	15284.36 TONDAY
MEAN	13.84	15.09	16.98	53.56	6.32	9.70	15.38	10.58	288.85	30.24	17.46	18.37	
MAX	24.39	39.33	47.31	174.52	33.65	49.47	58.38	35.51	1302.77	93.01	56.11	79.38	1302.77
MIN	9.07	6.67	7.06	18.09	0.03	0.47	2.57	4.12	13.05	12.13	12.13	4.12	0.03

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION LAT. 7-34-01 N., LONG. 100-03-05 E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.

DRAINAGE AREA — FLOOD PLAIN.

METHOD OF SAMPLING — DEPTH INTEGRATING

INSTRUMENT USED — US.DH-59

PERIOD OF AVAILABLE RECORDS — 1983 TO DATE

ACTUAL MEASUREMENT — 1983 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN THA KHAE, MUANG, PHATTHALUNG, X.68
STREAM - KHLONG THA KHAE
RIVER - KHLONG THA KHAE
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.20361
QS = 9.3817 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	32.40	10.64	6.64	51.27	14.55	7.71	2.74	1.19	281.76	61.05	29.63	18.27	
2	18.27	10.64	5.59	32.40	28.26	2.74	1.77	0.88	218.62	55.97	29.63	39.48	
3	7.17	8.49	10.64	19.29	22.39	1.52	2.38	1.77	215.55	49.77	31.01	20.31	
4	5.17	19.29	9.16	18.27	18.27	0.66	6.64	1.77	110.15	51.27	35.20	8.49	
5	4.17	6.64	1.19	13.70	19.29	0.00	5.59	17.27	84.01	49.77	35.20	6.11	
6	4.67	4.17	0.19	23.44	16.27	1.77	12.98	66.20	69.67	48.27	35.20	5.59	
7	3.21	9.16	0.88	40.92	7.71	0.19	6.11	51.27	62.76	42.38	24.50	5.17	
8	2.74	7.71	3.21	19.29	23.44	2.11	20.31	46.79	54.29	39.48	7.17	4.17	
9	16.27	18.27	5.59	13.70	26.91	31.01	77.67	19.29	51.27	39.48	6.11	4.67	
10	21.35	57.65	8.49	9.84	25.57	16.27	59.35	9.84	42.38	38.04	5.59	12.15	
11	8.49	62.76	25.57	38.04	9.16	6.64	38.04	11.45	40.92	26.91	5.17	7.71	
12	2.11	59.35	6.11	69.67	6.11	5.17	15.28	6.11	42.38	31.01	11.45	5.17	
13	1.19	54.29	4.17	57.65	1.77	9.84	10.64	7.71	38.04	35.20	14.55	4.17	
14	0.88	45.31	4.17	61.05	2.74	6.11	4.17	9.16	146.69	32.40	7.17	3.21	
15	0.66	18.27	2.74	75.58	2.74	2.11	6.11	7.17	99.11	21.35	5.59	11.45	
16	1.77	12.15	8.49	52.78	3.68	0.88	9.84	8.49	62.76	35.20	5.17	35.20	
17	6.11	9.16	5.59	77.67	3.21	0.19	5.59	9.84	55.97	36.62	5.59	13.70	
18	5.17	10.64	3.21	49.77	3.21	4.17	4.67	7.17	46.79	25.57	4.67	7.17	
19	4.67	7.71	2.11	42.38	1.77	3.21	3.68	4.67	43.84	12.98	3.21	5.59	
20	7.71	10.64	1.52	45.31	1.52	1.52	4.67	5.17	43.84	13.70	3.21	4.67	
21	9.84	20.31	7.71	39.48	1.52	2.11	15.28	10.64	92.59	16.27	10.64	4.17	
22	12.15	6.64	10.64	35.20	1.52	0.00	35.20	24.50	62.76	31.01	4.67	3.68	
23	9.84	7.71	17.27	26.91	1.77	0.88	17.27	20.31	1577.79	22.39	4.17	3.21	
24	4.17	7.71	5.17	19.29	2.38	0.19	7.17	20.31	537.38	28.26	42.38	2.74	
25	3.68	6.11	9.84	11.45	1.77	0.66	8.49	62.76	182.24	39.48	18.27	2.74	
26	7.17	4.17	12.15	12.98	5.17	2.74	7.17	42.38	149.21	32.40	8.49	2.38	
27	7.71	5.59	8.49	12.15	2.11	3.21	5.17	25.57	112.38	46.79	7.17	2.38	
28	4.17	5.59	20.31	8.49	1.77	0.88	4.17	17.27	94.76	38.04	6.64	2.11	
29	4.67	3.21	52.78	21.35	0.19	2.74	3.68	14.55	90.43	33.79		36.62	
30	3.68	4.67	55.97	54.29	3.21	13.70	2.38	59.35	77.67	32.40		6.11	
31		3.68		21.35	6.11		1.52		67.93	29.63		3.21	
TOTAL	221.26	518.33	315.59	1074.96	266.09	130.93	405.73	590.85	4855.94	1096.88	407.45	291.80	10175.81 TONDAY
MEAN	7.38	16.72	10.52	34.68	8.58	4.36	13.09	19.70	156.64	35.38	14.55	9.41	
MAX	32.40	62.76	55.97	77.67	28.26	31.01	77.67	66.20	1577.79	61.05	42.38	39.48	1577.79
MIN	0.66	3.21	0.19	8.49	0.19	0.00	1.52	0.88	38.04	12.98	3.21	2.11	0.00

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION LAT. 6-55-39 N., LONG. 100-26-37 E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE ON HIGHWAY AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.

DRAINAGE AREA 1,562 SQ.KM.

METHOD OF SAMPLING DEPTH INTEGRATING

INSTRUMENT USED US.DH-59

PERIOD OF AVAILABLE RECORDS 1982 TO DATE

ACTUAL MEASUREMENT 1982 TO DATE

REMARKS CONTINUED SEDIMENT STATION

USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN BANG SALA, HAT YAI, SONGKHLA, X.90
STREAM - KHLONG U TAPHAO
RIVER - PENINSULA-EAST COAST
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.31771
QS = 3.0959 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	39.46	220.90	71.38	142.67	71.38	25.40	98.26	184.68	50.33	339.96	17.98	29.34	
2	37.96	218.16	69.48	143.90	66.04	25.40	34.27	170.39	63.49	262.88	17.36	35.73	
3	35.73	205.95	66.90	142.67	60.97	24.73	39.46	161.44	78.15	226.39	16.19	32.10	
4	32.82	175.55	64.34	137.04	56.00	21.61	46.38	150.11	102.42	204.61	17.36	37.96	
5	29.97	162.71	61.81	130.37	49.54	18.54	56.00	141.54	100.33	167.82	17.98	47.95	
6	27.32	151.36	60.97	124.87	46.38	16.19	53.55	134.81	165.26	151.36	17.36	55.18	
7	25.40	147.62	59.30	107.66	43.27	15.05	130.37	130.37	139.29	146.38	16.19	56.82	
8	22.86	163.99	57.65	94.15	42.50	16.80	160.17	127.06	111.91	137.04	14.51	47.95	
9	22.20	175.55	56.82	87.06	41.73	18.54	188.63	121.60	109.78	122.69	22.86	40.97	
10	20.97	178.15	56.00	85.06	40.97	22.20	215.43	117.27	100.33	102.42	28.64	36.47	
11	20.39	186.00	59.30	91.10	39.46	20.97	214.07	104.51	87.06	84.07	26.02	31.39	
12	19.17	223.64	62.65	94.15	37.21	22.86	189.95	100.33	67.75	69.48	24.13	29.97	
13	18.54	283.55	61.81	101.37	35.73	25.40	176.85	93.13	63.49	59.30	22.86	29.97	
14	20.97	315.48	60.97	98.26	38.71	35.00	166.54	87.06	56.00	55.18	20.97	28.01	
15	22.20	330.12	60.14	107.66	47.16	44.04	158.91	81.10	47.95	49.54	24.13	27.32	
16	24.73	315.48	59.30	110.84	49.54	49.54	152.61	74.27	44.04	47.16	25.40	26.02	
17	27.32	274.37	58.47	124.87	44.82	48.74	145.14	66.90	44.82	43.27	26.02	31.39	
18	30.68	254.35	57.65	120.51	39.46	44.04	138.16	63.49	44.04	40.21	26.70	53.55	
19	37.96	225.02	56.82	112.97	33.54	38.71	134.81	61.81	44.04	37.21	29.34	58.47	
20	44.82	208.65	56.82	107.66	29.34	35.73	130.37	59.30	51.94	35.73	36.47	51.94	
21	51.94	175.55	56.00	102.42	27.32	32.82	127.06	56.82	111.91	34.27	37.21	44.04	
22	66.04	142.67	56.82	98.26	24.73	32.10	127.06	52.74	307.42	32.10	40.97	35.00	
23	81.10	124.87	57.65	94.15	22.20	35.00	222.27	47.95	434.91	30.68	42.50	28.64	
24	101.37	107.66	60.14	87.06	21.61	40.21	274.37	44.04	959.94	29.97	38.71	26.70	
25	122.69	97.23	60.97	83.07	19.74	37.96	293.04	41.73	1465.31	28.64	35.00	24.73	
26	158.91	86.06	62.65	81.10	18.54	57.65	291.45	40.21	1249.28	28.01	31.39	18.54	
27	196.58	82.08	60.97	71.38	19.17	85.06	289.87	40.21	911.60	26.70	27.32	15.65	
28	229.15	77.17	102.42	74.27	17.98	56.00	286.70	37.96	688.42	26.70	106.61	11.74	
29	226.39	76.20	141.54	78.15	16.80	48.74	283.55	35.73	555.19	25.40		10.68	
30	225.02	75.23	141.54	79.13	17.98	38.71	262.88	34.27	444.35	22.86		12.31	
31		72.34		76.20	21.61		252.93		410.62	20.39		29.34	
TOTAL	2020.66	5533.66	2019.28	3190.03	1141.43	1033.74	5341.11	2662.83	9111.37	2688.42	808.18	1045.87	36596.58 TONDAY
MEAN	67.36	178.51	67.31	102.90	36.82	34.46	172.29	88.76	293.92	86.72	28.86	33.74	
MAX	229.15	330.12	141.54	143.90	71.38	85.06	293.04	184.68	1465.31	339.96	106.61	58.47	1465.31
MIN	18.54	72.34	56.00	71.38	16.80	15.05	34.27	34.27	44.04	20.39	14.51	10.68	10.68

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9-25-31 N., LONG. 99-09-44 E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984 TO DATE
ACTUAL MEASUREMENT	1984 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984-1985

RID COMPUTER CENTER

47-1602001

STATION - BAN RIM KHLONG, CHAIYA, SURAT THANI, X.103
STREAM - KHLONG TAKHINA
RIVER - PENINSULA-EAST COAST
RIVER SYSTEM - PENINSULA-EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.38227
QS = 1.9692 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.97	1.09	0.69	2.25	6.23	23.76	8.38	253.69	48.14	2.77	1.25	
2	0.76	0.97	1.09	4.20	3.04	5.86	20.42	7.57	956.93	40.93	3.04	1.45	
3	0.71	0.88	1.30	3.61	2.50	4.82	17.92	7.38	447.32	36.46	2.77	1.40	
4	0.71	0.80	1.09	4.82	1.75	4.51	19.69	7.77	197.09	32.85	2.00	1.30	
5	0.63	0.52	1.09	5.49	1.30	4.51	18.98	10.00	126.02	30.04	1.52	1.25	
6	0.67	0.59	1.09	5.31	0.88	3.32	17.57	14.88	89.68	27.75	1.09	1.20	
7	0.67	0.67	0.69	4.82	0.52	2.50	22.90	14.03	70.80	25.51	0.69	1.20	
8	0.67	0.76	0.52	5.13	1.30	1.75	21.20	11.84	59.00	23.76	0.36	1.16	
9	0.63	0.67	0.21	6.99	1.52	3.04	56.23	9.75	51.47	22.05	0.36	1.20	
10	0.63	0.48	0.32	7.18	1.09	3.04	61.31	8.38	45.53	20.05	0.21	1.20	
11	0.63	0.41	0.32	8.78	1.09	5.67	37.56	6.80	40.93	18.62	0.32	1.16	
12	0.59	0.80	0.57	33.33	0.69	11.04	31.44	6.23	37.01	17.22	0.57	1.11	
13	0.59	0.76	0.69	12.38	0.88	8.78	24.63	5.86	35.37	15.75	0.57	1.06	
14	0.55	0.71	1.09	14.88	0.69	7.38	21.62	5.67	33.80	14.88	0.71	1.06	
15	0.55	1.40	0.88	11.57	0.36	6.60	21.62	6.99	31.91	13.75	0.86	1.06	
16	0.55	1.02	0.21	10.00	0.32	6.23	22.05	7.97	30.97	12.38	1.18	1.06	
17	0.59	1.09	0.36	8.78	0.44	6.04	20.42	9.24	28.21	11.57	1.52	1.30	
18	0.55	2.77	0.32	7.97	0.71	9.49	17.57	8.58	25.51	10.78	1.70	1.30	
19	0.76	2.77	0.71	7.57	0.21	16.33	15.46	7.38	25.07	10.26	1.65	1.20	
20	0.63	2.50	0.86	6.80	2.25	16.33	13.75	6.42	26.85	7.18	1.60	1.16	
21	0.55	1.75	1.02	6.60	5.67	15.75	13.20	6.23	27.75	6.42	1.55	1.06	
22	0.59	1.30	1.02	6.23	5.67	14.60	12.38	6.60	39.23	5.86	1.50	1.02	
23	0.52	0.69	1.18	6.04	4.82	12.65	11.57	6.23	109.57	5.49	1.50	0.97	
24	0.52	2.00	1.52	5.67	3.61	13.47	13.75	6.99	169.63	5.31	1.45	0.93	
25	0.48	1.52	1.70	5.86	2.50	17.92	14.88	7.77	130.51	5.13	1.40	0.93	
26	0.44	0.52	1.70	6.04	2.25	28.21	14.88	7.18	167.03	4.51	1.35	0.88	
27	0.55	0.44	1.52	6.04	1.09	38.67	16.33	6.80	145.41	3.61	1.30	0.88	
28	1.16	0.69	1.70	5.49	0.69	29.12	13.47	6.60	83.17	3.04	1.30	0.88	
29	1.11	1.75	1.52	5.67	1.75	35.37	12.38	5.86	62.86	2.77		0.84	
30	1.02	1.30	1.18	6.04	5.49	28.21	10.52	5.86	77.33	2.50		0.80	
31		1.09		5.31	4.82		9.49		61.31	2.50		0.93	
TOTAL	19.77	34.59	28.56	235.29	62.15	367.44	648.95	237.24	3686.96	487.07	36.84	34.20	5879.06 TONDAY
MEAN	0.66	1.12	0.95	7.59	2.00	12.25	20.93	7.91	118.93	15.71	1.32	1.10	
MAX	1.16	2.77	1.70	33.33	5.67	38.67	61.31	14.88	956.93	48.14	3.04	1.45	956.93
MIN	0.44	0.41	0.21	0.69	0.21	1.75	9.49	5.67	25.07	2.50	0.21	0.80	0.21

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG THA KRACHAI AT BAN SAMO THONG ,SURAT THANI (X.104)

LOCATION	LAT. 9-34-47 N., LONG. 99-08-14 E., ON LEFT BANK AT BAN SAMO THON CHANA, SURAT THANI.
DRAINAGE AREA	354 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1984
ACTUAL MEASUREMENT	1984
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN SAMO THONG, THA CHANA, SURAT THANI, X.104
STREAM - KHLONG THA KRACHAI
RIVER - KHLONG THA KRACHAI
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.14802
QS = 1.9830 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.87	0.75	1.10	13.80	8.57	29.88	13.80	9.46	1542.87	48.27	0.50	0.63	
2	0.75	0.75	1.10	8.57	3.97	21.02	12.64	8.57	1718.71	41.13	0.54	0.94	
3	0.75	0.75	1.06	9.02	1.69	16.76	19.18	7.29	268.29	36.42	0.57	1.00	
4	0.75	0.63	1.06	4.77	0.35	12.18	15.57	6.44	173.47	31.17	0.65	0.75	
5	0.75	0.87	1.06	0.37	0.42	9.46	17.37	5.60	113.01	27.31	0.69	0.63	
6	0.75	0.63	1.06	0.35	0.46	7.29	26.03	14.98	96.31	24.14	0.73	0.52	
7	0.75	0.63	1.06	0.42	0.54	4.77	22.26	12.64	77.42	22.89	0.77	0.52	
8	0.75	0.63	1.06	0.50	0.54	3.97	29.23	10.36	69.80	19.80	0.81	0.52	
9	0.75	0.63	1.10	11.72	0.46	1.69	65.10	8.57	59.77	17.97	0.81	0.63	
10	0.75	0.63	1.10	11.26	2.42	1.69	40.29	5.60	51.38	13.22	0.81	0.63	
11	0.75	0.87	1.06	7.29	1.69	2.42	29.23	3.97	45.36	12.18	0.85	0.63	
12	0.63	0.77	1.06	9.02	8.57	2.42	23.51	2.42	38.58	12.18	0.85	0.52	
13	0.63	0.73	0.89	17.37	21.02	4.77	19.80	1.00	35.76	11.72	0.89	0.52	
14	0.63	0.69	0.50	31.82	16.17	9.91	17.97	1.00	34.44	10.36	0.94	0.40	
15	0.63	0.69	0.61	17.97	10.36	9.02	16.76	2.42	33.78	9.46	0.98	0.40	
16	1.00	1.00	0.77	14.39	9.46	9.46	16.76	9.46	35.10	8.57	1.02	0.81	
17	0.75	0.54	0.77	3.97	1.00	4.77	15.57	7.29	28.59	8.14	1.02	3.18	
18	1.02	0.77	0.89	1.69	1.00	3.18	12.64	6.44	25.40	7.29	1.06	0.77	
19	1.02	0.69	0.98	5.60	1.00	8.57	11.26	3.18	24.14	4.77	1.10	1.02	
20	1.10	0.77	1.02	10.81	34.44	9.02	10.36	1.00	24.14	3.97	1.10	1.06	
21	0.87	0.89	1.06	11.26	26.67	16.76	10.36	1.00	31.82	3.18	1.10	0.87	
22	0.87	0.98	1.02	9.91	22.89	14.39	12.64	9.02	57.66	1.69	1.00	0.75	
23	0.87	1.06	0.94	7.29	14.39	10.36	16.17	7.29	179.15	1.00	1.00	0.63	
24	0.75	1.06	0.81	9.02	10.81	27.31	19.80	6.44	117.63	0.37	0.87	0.52	
25	0.75	1.06	0.85	8.57	8.14	27.95	15.57	34.44	175.29	0.35	0.87	0.40	
26	0.63	1.10	0.81	5.60	4.77	50.34	15.57	50.34	207.91	0.37	0.75	0.29	
27	0.75	1.06	0.61	6.44	2.42	36.42	35.76	24.14	116.09	0.39	0.75	0.29	
28	0.75	0.98	0.42	9.46	1.00	25.40	19.80	21.02	85.87	0.39	0.63	0.19	
29	1.06	1.02	0.35	14.98	0.35	18.57	16.17	16.17	93.31	0.39		0.19	
30	0.87	1.06	1.00	13.80	2.42	14.39	12.64	15.57	81.45	0.37		0.63	
31		1.10		10.81	27.95		11.26		59.77	0.50		0.63	
TOTAL	23.95	25.79	27.18	287.85	245.94	414.14	621.07	313.12	5702.27	379.96	23.66	21.47	8086.40 TONDAY
MEAN	0.80	0.83	0.91	9.29	7.93	13.80	20.03	10.44	183.94	12.26	0.85	0.69	
MAX	1.10	1.10	1.10	31.82	34.44	50.34	65.10	50.34	1718.71	48.27	1.10	3.18	1718.71
MIN	0.63	0.54	0.35	0.35	0.35	1.69	10.36	1.00	24.14	0.35	0.50	0.19	0.19

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION	LAT. 6-39-37 N., LONG. 100-26-09 E., ON LEFT BANK AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	256 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN PHRAI, SADAO, SONKHLA, X.111
STREAM - KHLONG SADAO
RIVER - PENINSULA EAST COAST
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION

1.72366
QS = 1.9770 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.71	9.86	9.46	75.10	7.22	2.90	3.11	16.30	6.59	15.32	1.84	16.96	
2	2.33	7.58	8.12	47.18	6.76	2.33	2.71	12.61	5.98	12.24	1.84	14.29	
3	2.33	6.53	6.87	22.60	6.53	2.15	7.22	11.23	4.93	10.81	1.71	12.76	
4	2.33	5.71	5.71	18.68	5.98	1.98	62.99	9.99	5.19	9.59	1.98	10.95	
5	2.33	4.93	7.04	14.13	5.45	1.98	143.68	9.33	6.53	8.56	3.11	7.70	
6	1.98	5.19	6.76	10.67	6.25	2.71	64.46	9.33	5.45	8.06	4.69	6.87	
7	1.71	4.93	5.71	11.09	6.53	2.52	37.81	14.92	5.71	7.58	7.40	6.70	
8	1.71	6.70	11.09	9.59	5.98	2.71	71.22	22.31	5.19	7.34	3.11	6.70	
9	10.13	11.52	8.25	12.24	5.98	3.11	114.37	17.56	4.44	6.87	2.52	5.71	
10	32.89	11.09	6.59	15.48	5.45	2.71	142.03	15.08	4.69	6.70	1.98	4.93	
11	24.62	11.09	9.86	19.74	6.76	2.52	111.76	10.40	4.21	6.53	1.84	4.44	
12	7.70	29.21	9.33	19.56	11.66	2.52	64.46	10.13	3.75	5.71	9.59	4.69	
13	2.52	24.04	6.99	12.76	13.90	4.44	49.80	10.95	3.32	6.87	94.39	3.98	
14	2.52	24.62	6.25	39.71	7.40	6.99	41.16	8.69	3.11	4.69	148.66	3.75	
15	2.15	15.72	5.45	26.12	5.98	3.32	26.42	7.94	3.98	4.44	48.22	6.99	
16	2.33	10.40	4.69	23.17	4.93	2.71	27.34	10.54	3.11	3.98	15.08	8.81	
17	2.90	9.20	4.44	25.81	4.44	2.52	53.82	14.13	2.90	3.53	8.25	7.16	
18	2.90	12.24	4.21	21.19	4.21	3.98	66.68	11.52	2.90	3.53	6.59	5.19	
19	4.21	9.33	3.53	18.68	3.75	3.11	11.81	7.40	2.90	3.53	4.93	3.53	
20	8.81	7.76	3.32	17.39	3.53	3.53	12.10	7.22	2.71	3.11	4.44	3.98	
21	10.26	7.04	3.11	14.13	3.32	5.45	44.63	7.52	3.32	2.90	14.29	3.98	
22	8.25	6.59	3.11	11.23	3.11	8.43	64.46	6.76	6.99	2.90	20.64	3.75	
23	5.19	5.71	3.32	9.33	2.90	4.69	46.16	6.53	7.40	2.90	8.12	2.90	
24	27.34	5.71	4.93	8.69	2.71	4.44	44.13	5.98	51.39	2.90	3.75	2.71	
25	36.52	4.93	4.69	8.25	2.33	2.71	42.63	5.19	325.57	2.71	3.75	3.11	
26	14.13	4.44	3.98	9.07	2.33	3.11	48.22	4.93	315.18	2.71	2.90	4.21	
27	74.32	4.21	33.34	12.76	2.33	3.11	51.93	4.44	240.32	2.33	3.11	4.21	
28	114.37	3.75	69.70	12.76	2.15	7.52	68.94	4.21	130.75	2.52	21.19	4.21	
29	59.40	3.75	54.51	9.86	2.15	6.99	44.13	4.21	62.99	2.33		17.39	
30	19.74	3.75	36.99	8.94	2.15	3.98	26.72	6.59	33.34	1.98		12.98	
31		3.53		5.45	3.32		19.29		20.46	1.98		7.34	
TOTAL	490.63	281.06	351.35	571.36	157.49	111.17	1616.19	293.94	1285.30	167.15	449.92	212.88	5988.44 TONDAY
MEAN	16.35	9.07	11.71	18.43	5.08	3.71	52.14	9.80	41.46	5.39	16.07	6.87	
MAX	114.37	29.21	69.70	75.10	13.90	8.43	143.68	22.31	325.57	15.32	148.66	17.39	325.57
MIN	1.71	3.53	3.11	5.45	2.15	1.98	2.71	4.21	2.71	1.98	1.71	2.71	1.71

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG LAM AT BAN THUNG PRAP (1), SONGKHLA (X.113)

LOCATION	LAT. 6-37-59 N., LONG. 100-23-46 E., ON RIGHT BANK AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1980 TO DATE
ACTUAL MEASUREMENT	1980 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1981-1984

RID COMPUTER CENTER

47-1602001

STATION - BAN THUNG PRAPI, SADAO, SONGKHLA, X.113
STREAM - KHLONG LAM
RIVER - KHLONG U TAPHAO
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.38118
QS = 6.2540 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.47	6.25	1.76	20.96	1.76	1.35	0.87	8.61	1.95	2.33	0.50	21.32	
2	1.53	5.08	1.53	8.42	1.58	1.03	0.87	6.78	2.01	2.01	0.46	7.49	
3	2.33	4.44	1.30	5.57	1.47	0.92	5.08	5.57	1.76	1.70	0.26	22.79	
4	1.89	8.23	1.19	5.41	1.35	0.77	218.43	4.92	3.52	1.64	0.26	10.75	
5	1.41	4.60	4.44	3.82	1.41	0.72	34.32	4.75	2.01	1.47	0.46	6.25	
6	15.18	3.75	1.70	2.95	1.47	0.87	8.79	4.60	1.76	1.41	30.64	5.08	
7	3.97	3.75	1.64	2.67	1.47	0.92	40.11	6.43	3.60	1.41	5.57	4.13	
8	2.01	13.23	5.08	2.95	1.47	1.53	25.04	7.86	1.76	1.19	1.76	8.23	
9	141.77	5.24	2.14	11.76	1.47	1.89	56.64	40.54	1.53	1.19	1.19	5.08	
10	60.00	4.13	2.14	4.13	1.53	3.16	39.10	6.78	1.35	1.13	1.03	3.82	
11	15.51	3.60	3.23	3.02	2.95	1.47	17.20	9.66	1.35	1.08	0.92	3.52	
12	6.96	3.75	2.53	4.75	49.93	1.76	16.86	18.58	1.19	0.97	15.18	2.95	
13	4.75	3.38	1.64	6.78	8.79	59.35	17.43	9.18	1.13	0.92	545.69	2.47	
14	3.75	2.95	1.47	12.49	2.95	16.07	9.47	4.60	1.08	0.82	45.24	2.01	
15	3.16	2.88	1.35	6.25	2.14	2.95	8.23	4.13	1.08	0.92	7.68	4.44	
16	2.88	2.88	1.24	4.44	1.76	1.64	11.46	22.79	0.97	0.82	5.57	8.61	
17	3.23	2.67	1.19	3.75	1.58	1.35	16.63	6.60	1.03	0.77	9.18	11.25	
18	2.95	2.33	1.08	8.42	1.53	5.41	9.18	3.97	1.08	0.72	4.75	3.16	
19	3.38	2.14	1.13	8.79	1.30	2.88	6.78	3.38	1.03	0.72	3.23	2.47	
20	5.24	2.01	1.03	11.46	1.24	2.47	18.58	3.16	1.41	0.72	2.67	2.47	
21	3.82	1.89	1.13	3.60	1.13	3.82	198.20	4.92	2.27	0.68	101.29	1.70	
22	**3.52**	**1.64**	**1.08**	**2.88**	**1.03**	**3.02**	**31.85**	**3.02**	**2.27**	**0.63**	**16.29**	**1.53**	
23	**6.08**	**1.53**	**3.02**	**1.76**	**1.03**	**1.70**	51.01	2.53	4.60	0.63	5.74	1.35	
24	102.41	1.47	4.44	2.33	1.08	1.47	22.79	2.33	84.92	0.63	3.82	1.24	
25	9.95	1.53	1.58	2.27	1.08	1.24	45.24	2.14	81.21	0.63	3.16	1.13	
26	5.74	1.53	6.43	3.16	0.97	1.08	47.95	1.95	27.47	0.63	2.95	1.03	
27	155.02	1.13	63.24	3.38	0.87	1.19	42.73	1.76	8.61	0.63	3.52	0.97	
28	33.49	0.46	68.37	3.75	0.87	1.03	18.35	1.70	5.57	0.59	15.73	0.92	
29	10.25	1.08	25.04	3.02	0.82	1.03	12.49	1.64	4.28	0.54		41.12	
30	7.31	1.53	21.32	3.38	1.13	0.97	9.47	1.70	3.16	0.54		2.53	
31		1.76		2.33	1.95		23.40		2.74	0.54		1.64	
TOTAL	621.96	102.84	234.46	170.65	101.11	125.06	1064.55	206.58	259.70	30.61	834.74	193.45	3945.71 TONDAY
MEAN	20.73	3.32	7.82	5.50	3.26	4.17	34.34	6.89	8.38	0.99	29.81	6.24	
MAX	155.02	13.23	68.37	20.96	49.93	59.35	218.43	40.54	84.92	2.33	545.69	41.12	545.69
MIN	1.41	0.46	1.03	1.76	0.82	0.72	0.87	1.64	0.97	0.54	0.26	0.92	0.26

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KOLOK RIVER AT SUNGAI KOLOK, NARATHIWAT (X.119)

LOCATION	LAT. 6-04-09 N., LONG. 102-02-22 E., ON LEFT BANK NEAR THE MUNO SCHOOL, TAMBON MUNO, AMPHOE SUNGAI KOLOK, NARATHIWAT.
DRAINAGE AREA	1,600 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.D-49
PERIOD OF AVAILABLE RECORDS	1981 TO DATE
ACTUAL MEASUREMENT	1981 TO DATE
REMARKS	CONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1981-1984

RID COMPUTER CENTER

47-1602001

STATION - SUNGAI KOLOK, SUNGAI KOLOK, NARATHIWAT, X.119
STREAM - KOLOK
RIVER - KOLOK
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 1
1.02306
QS = 3.6214 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	217.7	210.3	230.5	199.0	267.1	131.1	635.1	246.9	544.1	754.8	169.8	148.9	
2	215.8	223.1	355.4	252.5	373.9	136.0	616.4	232.3	606.4	658.5	142.4	147.2	
3	187.6	263.5	496.9	298.0	339.0	148.9	554.1	199.0	626.4	608.9	215.8	148.9	
4	169.8	310.3	482.0	341.0	265.3	210.3	464.6	179.5	722.7	561.6	276.3	190.9	
5	158.5	326.7	462.1	396.5	245.1	245.1	388.3	171.4	801.7	564.0	326.7	195.7	
6	144.0	241.4	559.1	312.3	243.3	241.4	371.8	165.0	784.1	496.9	274.5	190.9	
7	131.1	250.6	584.0	256.1	212.2	225.0	339.0	163.4	684.7	427.5	214.0	203.8	
8	123.1	281.8	499.4	228.6	225.0	221.3	300.0	156.9	629.3	365.7	177.9	250.6	
9	121.5	261.6	421.3	270.8	304.1	203.8	274.5	148.9	579.0	345.1	156.9	386.2	
10	132.8	239.6	380.1	269.0	278.2	226.8	328.7	155.3	504.3	322.6	140.8	569.0	
11	124.7	221.3	361.6	270.8	237.8	310.3	263.5	124.7	561.6	291.9	129.5	792.9	
12	116.7	272.6	334.9	245.1	243.3	339.0	269.0	113.5	408.9	261.6	126.3	876.2	
13	112.1	334.9	276.3	214.0	283.7	221.3	250.6	115.1	398.6	232.3	127.9	787.0	
14	103.7	345.1	226.8	192.5	250.6	165.0	205.5	116.7	357.5	207.1	126.3	719.8	
15	98.1	363.6	221.3	168.2	145.6	145.6	168.2	110.7	318.5	179.5	119.9	910.2	
16	103.7	421.3	326.7	207.1	100.9	132.8	169.8	129.5	287.8	156.9	119.9	1019.9	
17	136.0	367.7	417.1	376.0	106.5	144.0	187.6	153.7	298.0	173.1	139.2	1019.9	
18	153.7	373.9	380.1	332.8	147.2	155.3	174.7	145.6	343.1	161.8	200.6	982.0	
19	223.1	341.0	394.5	291.9	132.8	163.4	221.3	142.4	324.6	158.5	150.5	876.2	
20	219.5	408.9	415.1	367.7	119.9	187.6	306.2	119.9	332.8	158.5	115.1	781.2	
21	189.3	413.0	361.6	406.8	150.5	221.3	369.8	116.7	586.5	155.3	115.1	670.1	
22	210.3	413.0	322.6	408.9	186.0	289.8	320.5	140.8	862.0	139.2	112.1	586.5	
23	217.7	384.2	267.1	365.7	254.3	343.1	267.1	212.2	1174.5	124.7	106.5	539.2	
24	241.4	343.1	230.5	373.9	345.1	308.2	236.0	246.9	1494.5	121.5	106.5	449.7	
25	228.6	320.5	195.7	312.3	291.9	287.8	230.5	526.7	1539.1	137.6	123.1	367.7	
26	195.7	316.4	281.8	328.7	289.8	291.9	228.6	664.3	1366.9	136.0	112.1	357.5	
27	184.4	270.8	155.3	343.1	318.5	355.4	232.3	711.0	1247.4	129.5	110.7	322.6	
28	217.7	250.6	153.7	339.0	291.9	439.8	214.0	613.9	1105.0	131.1	139.2	298.0	
29	278.2	246.9	181.2	276.3	245.1	491.9	192.5	571.5	990.4	127.9		343.1	
30	223.1	254.3	177.9	223.1	189.3	608.9	192.5	559.1	883.8	129.5		349.2	
31		245.1		189.3	153.7		214.0		815.1	165.0		316.4	
TOTAL	5179.6	9517.1	10152.6	9057.0	7237.6	7592.1	9186.7	7453.5	22179.3	8584.1	4375.6	15797.4	116312.6 TONDAY
MEAN	172.7	307.0	338.4	292.2	233.5	253.1	296.3	248.4	715.5	276.9	156.3	509.6	
MAX	278.2	421.3	584.0	408.9	373.9	608.9	635.1	711.0	1539.1	754.8	326.7	1019.9	1539.1
MIN	98.1	210.3	153.7	168.2	100.9	131.1	168.2	110.7	287.8	121.5	106.5	147.2	98.1

WATER YEAR 1984

SOUTHER PENISULA WEST COAST

KHLONG NAME NOI AT BAN WANG YI, TRANG (X.128A)

LOCATION	LAT. 7-35-28 N., LONG. 99-44-13 E., ON RIGHT BANK ABOUT 2.00 METERS UPSTREAM FROM THE BRIGDE AT BAN WANG YI, AMPHOE MUANG, TRANG.
DRAINAGE AREA	75 SQ.KM.
METHOD OF SAMPLING	DEPTH INTIGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1984
ACTUAL MEASUREMENT	1984
REMARKS	DISCONTINUED SEDIMENT STATION USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN WANG YAI, MUANG, TRANG, X.128A
STREAM - KHLONG NANG NOI
RIVER - PENINSULA EAST COAST
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION
1.60710
QS = 5.1817 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.7	1.8	4.9	159.7	14.8	0.5	0.0	0.9	3284.5	14.3	0.3	4.5	
2	0.7	0.7	2.8	29.6	8.1	0.4	0.3	0.8	284.9	11.5	0.5	9.3	
3	0.7	0.5	2.0	14.3	5.9	0.3	0.5	0.7	74.2	9.3	0.3	3.6	
4	0.7	0.4	1.6	15.8	4.2	0.3	15.3	0.7	25.9	7.7	0.3	2.0	
5	1.0	0.3	1.8	220.2	3.6	0.3	3.1	2.3	9.7	6.2	0.3	1.6	
6	1.0	0.4	1.8	32.6	3.1	0.4	1.1	3.6	7.7	5.2	0.3	1.6	
7	1.1	0.4	4.2	27.7	2.5	0.5	3.1	3.1	6.6	4.5	0.3	1.2	
8	1.2	18.1	20.6	13.3	1.8	3.6	32.6	3.3	4.5	3.6	0.3	1.2	
9	1.4	8.9	7.3	7.7	1.6	5.9	355.1	2.0	3.3	3.3	0.2	2.0	
10	1.6	41.0	46.2	20.6	2.3	1.4	133.8	0.9	2.5	2.5	0.2	1.8	
11	1.1	57.3	63.6	22.3	2.3	0.8	17.3	1.6	2.3	2.0	0.2	1.6	
12	1.1	8.5	22.3	65.3	1.6	2.3	8.5	0.7	1.6	1.6	0.2	1.4	
13	1.1	3.9	24.1	91.3	1.2	15.8	4.5	0.8	1.2	1.4	1.0	1.2	
14	1.0	1.6	16.6	34.8	1.0	3.9	2.3	0.9	1.0	1.2	1.4	1.1	
15	1.0	1.1	11.0	54.4	0.9	1.4	6.2	1.1	0.9	1.1	2.0	4.2	
16	1.0	1.1	11.5	54.4	0.9	1.1	4.2	0.8	0.8	1.0	2.0	11.0	
17	0.7	4.5	5.5	178.6	0.8	1.0	3.6	0.7	0.7	0.9	1.8	4.2	
18	0.5	14.3	2.3	95.2	0.7	0.7	2.5	0.5	0.6	0.7	1.8	2.5	
19	0.3	9.3	1.6	27.7	0.7	0.7	2.0	0.5	0.5	0.7	2.0	2.0	
20	0.3	2.5	1.1	159.7	0.7	0.6	12.4	0.5	0.7	0.7	2.3	1.4	
21	1.2	15.8	1.0	63.6	0.4	0.5	83.5	0.4	18.1	0.6	2.5	1.2	
22	0.8	5.2	1.2	17.3	0.3	0.5	311.8	0.4	323.6	0.5	2.3	1.1	
23	0.6	5.2	1.4	13.8	0.3	0.4	120.4	0.3	6829.0	0.5	1.8	1.0	
24	0.4	11.9	1.1	7.3	0.3	0.3	33.6	0.5	1158.1	0.4	1.8	1.0	
25	0.4	10.6	1.1	7.7	0.3	0.3	13.3	1.1	237.3	0.4	1.8	0.9	
26	1.4	25.0	2.3	5.9	0.3	0.3	8.5	0.5	140.7	0.3	2.0	0.9	
27	7.3	8.1	5.5	8.5	0.2	0.2	6.2	0.4	65.3	0.3	2.3	0.9	
28	1.6	3.9	8.1	8.1	0.2	0.3	5.2	0.4	23.2	0.6	2.5	2.5	
29	0.9	2.3	30.6	46.2	0.2	0.5	3.3	0.9	107.5	0.5		5.2	
30	0.8	1.2	58.7	304.0	0.5	0.5	2.3	6.9	48.9	0.4		1.6	
31		0.9		51.6	0.3		1.2		29.6	0.3		1.1	
TOTAL	33.6	266.7	363.8	1859.2	62.0	45.7	1197.7	38.2	12695.4	84.2	34.7	76.8	16758.0 TONDAY
MEAN	1.1	8.6	12.1	60.0	2.0	1.5	38.6	1.3	409.5	2.7	1.2	2.5	
MAX	7.3	57.3	63.6	304.0	14.8	15.8	355.1	6.9	6829.0	14.3	2.5	11.0	6829.0
MIN	0.3	0.3	1.0	5.9	0.2	0.2	0.0	0.3	0.5	0.3	0.2	0.9	0.0

WATER YEAR 1984

SOUTHERN PENINSULA EAST COAST

KHLONG THA MA DUA AT BAN KHLONG AI TO, PHATTHALUNG (X.129)

LOCATION	LAT. 7-23-19 N., LONG. 100-06-44 N., ON RIGHT BANK NEAR WAT BAN AI TO, BAN KHLONG AI TO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	332 SQ.KM.
METHOD OF SAMPLING	DEPTH INTEGRATING
INSTRUMENT USED	US.DH-59
PERIOD OF AVAILABLE RECORDS	1983 TO DATE
ACTUAL MEASUREMENT	1983 TO DATE
REMARKS	CONTINUED SEDIMENT STATION
	USING RATING CURVE WATER YEAR 1984

RID COMPUTER CENTER

47-1602001

STATION - BAN KHLONG AI TO, KHAO CHAI SON, PHATTHALUNG, X.129
STREAM - KHLONG THA MA DUA
RIVER - THALE LUANG
RIVER SYSTEM - PENINSULA EAST COAST

ROYAL IRRIGATION DEPARTMENT
THAILAND
HYDROLOGY DIVISION NEW 2
1.86419
QS = 0.4670 QW

WATER YEAR - 1984

SUSPENDED SEDIMENT, IN TONS PER DAY, WATER YEAR APRIL 1, 1984 TO MARCH 31, 1985

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL	
1	30.13	8.03	8.69	25.90	7.39	0.35	1.28	0.87	94.79	226.67	11.82	235.95		
2	16.64	6.48	8.36	15.39	4.32	0.35	1.17	0.87	687.78	156.30	10.57	110.91		
3	11.82	5.35	6.48	10.57	2.62	0.35	1.17	0.87	8795.30	119.41	10.57	53.17		
4	8.69	4.83	4.32	8.69	1.51	0.35	1.17	0.87	5280.53	89.44	14.78	37.81		
5	7.39	4.32	3.62	7.08	1.17	0.35	2.03	1.51	783.93	70.22	18.61	28.36		
6	6.48	4.08	2.93	5.90	0.87	0.35	9.77	42.19	302.49	61.42	19.98	25.12		
7	5.90	3.85	2.77	6.48	0.68	0.40	15.39	44.47	229.75	51.85	39.97	21.39		
8	5.09	4.57	4.83	14.18	0.74	0.40	58.61	94.79	229.75	44.47	25.12	18.61		
9	6.19	4.57	4.57	14.18	1.07	0.45	76.39	45.62	137.28	41.07	21.39	18.61		
10	7.39	11.82	4.57	10.57	1.76	0.40	121.58	17.29	89.44	33.84	17.94	21.39		
11	5.62	23.59	12.69	8.03	1.07	0.45	51.85	10.57	65.75	29.24	16.64	74.83		
12	4.32	110.91	7.08	14.78	1.51	0.45	21.39	8.36	60.01	23.59	24.35	31.04		
13	4.32	137.28	6.78	10.17	0.56	2.77	8.69	5.90	49.26	22.11	30.13	23.59		
14	4.32	161.36	6.19	16.64	0.56	6.19	3.44	7.08	45.62	19.29	21.39	19.29		
15	6.48	77.97	4.32	34.80	0.56	3.44	1.40	8.69	86.09	16.64	18.61	21.39		
16	7.39	39.97	3.44	20.68	0.50	2.03	0.74	8.36	51.85	15.39	16.64	44.47		
17	10.17	24.35	2.93	32.89	0.50	1.07	3.62	12.69	77.97	12.69	17.94	39.97		
18	16.01	21.39	2.31	19.29	0.50	0.97	1.76	8.03	51.85	12.25	16.01	28.36		
19	12.25	16.01	1.90	13.14	0.50	2.62	0.74	5.90	33.84	10.98	16.01	22.11		
20	9.77	12.69	1.90	8.36	0.50	2.77	1.28	12.25	28.36	13.14	15.39	19.29		
21	10.98	9.38	2.03	6.19	0.45	1.76	0.68	100.70	422.80	11.82	19.29	24.35		
22	10.17	6.78	2.31	5.35	0.45	2.03	0.56	96.74	4555.48	10.57	16.01	17.94		
23	10.17	5.90	2.03	4.83	0.45	4.32	0.62	54.51	9158.46	9.38	14.78	15.39		
24	9.38	5.35	9.04	3.44	0.45	3.27	5.62	32.89	8903.28	11.82	15.39	11.82		
25	14.78	4.83	8.69	2.62	0.45	1.64	14.18	37.81	4342.49	26.69	25.90	26.69		
26	19.29	4.57	7.71	1.64	0.45	1.17	24.35	20.68	1927.53	18.61	17.94	11.82		
27	25.12	4.08	13.59	2.03	0.45	1.17	11.40	12.25	728.27	37.81	26.69	11.82		
28	17.94	3.27	13.59	2.62	0.40	1.51	6.48	8.36	417.91	17.29	46.80	15.39		
29	11.82	2.77	14.18	3.85	0.40	1.40	3.62	7.08	891.07	13.14		16.01		
30	8.36	8.69	39.97	33.84	0.40	1.28	1.64	87.76	791.02	12.25		16.64		
31		5.35		12.25	0.35		0.87		350.32	12.69		13.14		
TOTAL	324.38	746.01	213.82	376.38	33.59	46.06	453.49	795.96	49670.27	1252.08	566.66	1076.67	55555.38	TONDAY
MEAN	10.81	24.06	7.13	12.14	1.08	1.54	14.63	26.53	1602.27	40.39	20.24	34.73		
MAX	30.13	161.36	39.97	34.80	7.39	6.19	121.58	100.70	9158.46	226.67	46.80	235.95	9158.46	
MIN	4.32	2.77	1.90	1.64	0.35	0.35	0.56	0.87	28.36	9.38	10.57	11.82	0.35	