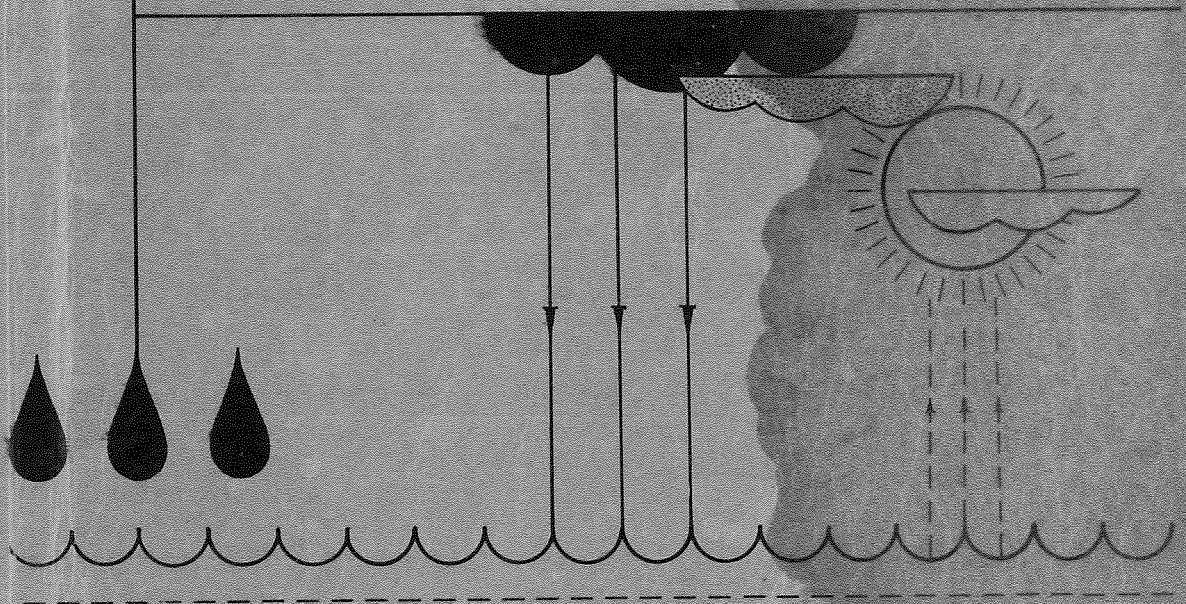
ต้นฉบับ 01

THAILAND HYDROLOGICAL YEARBOOK

WATER YEAR 1912-1937

VOLUME 1



HYDROLOGY DIVISION

ROYAL IRRIGATION DEPARTMENT

BANGKOK THAILAND

69

Hydrology No. 396/76

THAILAND

HYDROLOGICAL YEARBOOK

VOLUME 1

WATER YEAR 1912-1937

HYDROLOGY DIVISION

ROYAL IRRIGATION DEPARTMENT

BANGKOK, THAILAND

FOREWORD

The programme of yearbook publications was initiated in the year 1966. Great efforts have been made in the editing as well as the setting up of standard for yearbook publication. The previously processed data have been reviewed and arranged into serial orders or volumes to be published. The first issue was Volume 8, published in 1968, contained the flow data as of water year 1965. The second issue was Volume 7, published in 1969, contained the flow data as of water years 1963 and 1964. The third issue was Volume 6, published in 1973, contained the flow data as of water years 1960, 1961 and 1962. The fourth issue was Volume 5, published in 1974, contained the flow data as of water years 1957, 1958 and 1959. The fifth issue was Volume 9, published in 1975, contained the flow data as of water year 1966. The sixth issue was Volume 4, published in 1976, contained the flow data as of water years 1954 to 1956.

The Volume 1 of the series is the seventh issue which contains the flow data for water years 1912 to 1937 of 8 stations totalling 112 station-years of records. The computation of data was based on the application of mean daily gage height to the stage-discharge relationship subsequently calibrated at such sites. Remarks on such application are made under each station description.

Damrong Jaraswathana
Director of Hydrology Division
September 1976.

ACKNOWLEDGEMENT

The editorial staff of this hydrological yearbook publication feels particularly indebted to Mr. Boonchob Kanchanalak, former Senior 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 to adopt engineering standard, method and steps for implementation by which further publication of the series will be based upon.

We also wish to express our sincere appreciations to the Chief of Public Relations and Printing Services Branch, Program Coordination and Budget Division, and his efficient staff whose kind assistance and co-ordinated efforts have contributed to the success of this Volume 1 issue.

Hydrology Division

September 1976.

TABLE OF CONTENTS

Page

FOREWORD i

ACKNOWLEDGEMENT ii

ILLUSTRATION OF STREAMFLOW GAGING ACTIVITIES

METHOD OF INVESTIGATION AND DATA PROCESSING iv

UNIT OF MEASUREMENT USED xi

STREAM GAGING DATA 1

PING RIVER BASIN

1. Mae Ping River at N warath Bridge, Chiang Mai. (P. 1) 2

WANG RIVER BASIN

2. Mae Wang River at Ratsada Phisek Bridge, Lampang. (W. 1) 36

NAN RIVER BASIN

3. Nan River at Muang Nan. (N. 1) 54

CHAO PHYA RIVER BASIN

4. Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1) 86

5. Chao Phya River at Ban Bang Kaeo, Ang Thong. (C. 7) 138

PHET RIVER BASIN

6. Phet River at Ban Rai Phaniat, Phetchaburi. (B. 1) 152

7. Phet River at Ban Tha Sik, Phetchaburi. (B. 2) 196

8. Phet River at Ban Song Phi Nong, Phetchaburi. (B. 3) 212

LOCATION MAP OF HYDROLOGIC OBSERVATION STATIONS IN WATER YEAR 1912-1917.

* * * * *

ILLUSTRATION OF STREAMFLOW GAGING ACTIVITIES



Figure 1. Close-up of Rating Operation

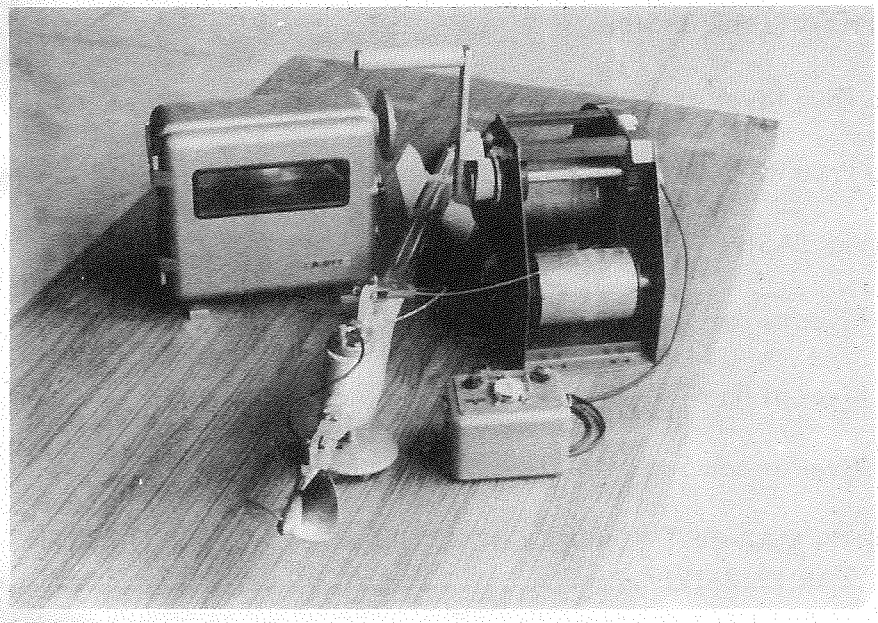


Figure 2. Standard Hydrologic Equipment



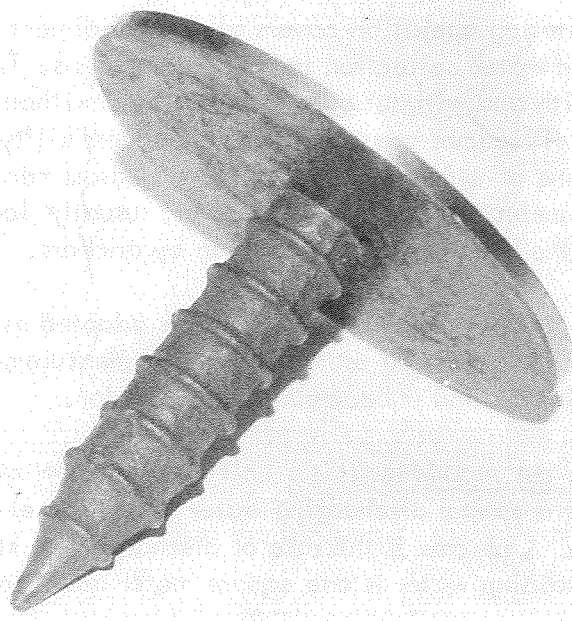


Figure 3. Standard bench mark

METHOD OF INVESTIGATION AND DATA PROCESSING

* * * * *

DEFINITION OF TERMS AND ABBREVIATIONS

Staff gaging station is a place on a stream bank where a staff gage is installed for manually observing water level; usually frequency of observation varies from 1 to 5 times of equal interval in the day time. At some specific station where streamflow measurement camps are situated, the observation of water level by night is also made usually 1 to 3 times of equal interval. The standard bench-mark of the Hydrology Section is also established nereby the gage site. The 1.00-m standard enamelled staff gage sections are used with zero reading specified in meters related to mean sea level datum. Wire-weight gages are also adopted on highway bridges.

Recording gaging station is a staff gaging station with additional installation of automatic water-level recorder. A continuous record of water level is obtained at such station. A. Ott type X has so far been adopted as our standard equipment. The pneumatic recording gage is going to be used in some mountainous headwater area. Weekly visit to the gage for inspection and changing chart paper by the crew is under practice.

Streamflow calibrating station of Rating station is a staff gaging station or recording station where flow measurement by a current meter is periodically performed, so that calibration of river section related to flow can be made through development of stage-flow relationship or simply called "rating curve".

The rating station operation covers also the sediment sampling, water temperature observation and water collection for quality analysis. Two types of the station are under operation: with and without crew camp. Those without the camp are under moving team and those with camps are subject to less accessibility. Fixed boat by cableway across the river is one of typical means of flow measurement by the current meter for medium river, 100 meter wide. For wider river, usually located in the deltaic plain with low velocity, the boat is fixed in position by anchors.

The A. Ott current meter has so far been adopted as standard equipment. The multiple-points method has been used as velocity measurement working practice. At present the two-point method is becoming more popular.

Cubic meter per second (cms) is a unit used for flow measurement. It is the rate of flow of a river or a stream discharging water in volume expressed in cubic meter per one second of time. One cms is the rate of discharge of a stream whose channel cross sectional area containing water is one square meter and whose average velocity is one meter per second.

Million cubic meter (mcm) is the volume of water expressed in millions of cubic meter. It is the quantity of water required to cover one square kilometer in area to the depth of one meter.

Water year is the year related to annual cycle of river flow beginning from April 1 to March 31 for this region, during which the river flow begins to rise, reaching its flood stage and subsiding toward its cyclic minimum.

The volume of river water in each water year, usually termed as annual runoff, is approximately the effective runoff from the rainfall accumulated during the water year.

Drainage area is an area above a specified location of a stream, measured in a horizontal plane, which is so enclosed by a topographic divide, in which direct surface runoff from rainfall would drain by gravity into the river above the specified site. The drainage area in square kilometers given herein is the total enclosed area including non-runoff contributing area, if any.

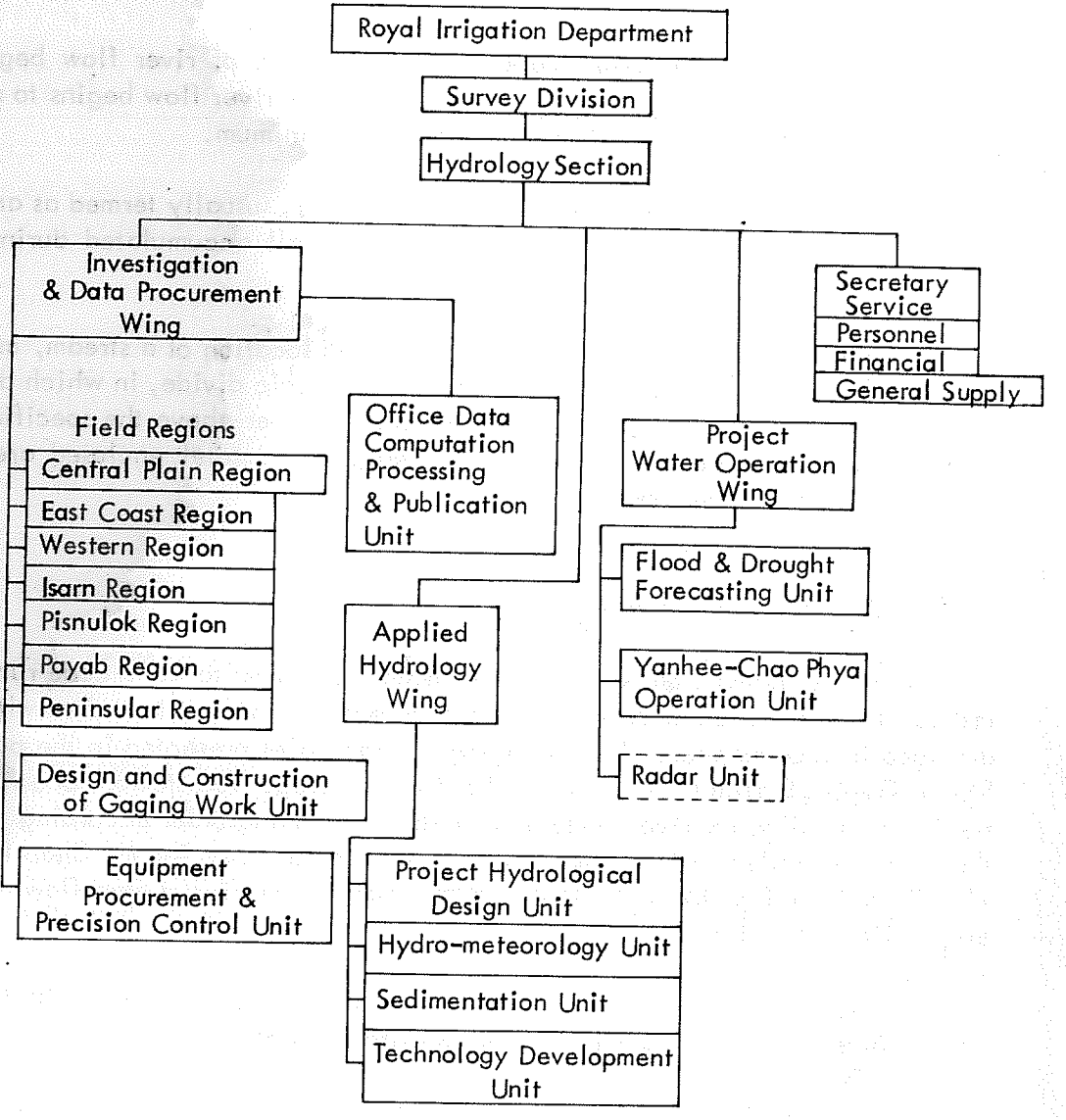
ORDER OF LISTING GAGING DATA

In this format, gaging data are listed according to their code running number order. It has been found more convenient in locating the required date when the list is arranged in such manner. List of gaging station codes presented in the publication of Stream Gaging Stations are shown in the Map enclosed. 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. C. 1 is the station code for the Chao Phya River at Wat Tahard gaging station built in 1905, which is the first stream-flow rating station ever built in this river.

The river list follows the order of river basin beginning first with the main river and followed by first tributaries in the downstream order.

ORGANIZATION

Streamflow data presented herein are from the hydrologic network operated by Hydrology Section of Royal Irrigation Department. Field collection, Office processing and publication are its hydrologic activity under Investigation and Data Procurement Wing which is a part of the Section Works. The organization structure of the Section is diagramatically shown below:


Royal Irrigation Department
Survey Division
Hydrology Section
Investigation & Data Procurement Wing
Field Regions
Central Plain Region
East Coast Region
Western Region
Isarn Region
Pisnulok Region
Payab Region
Peninsular Region
Design and Construction of Gaging Work Unit
Equipment Procurement & Precision Control Unit
Office Data Computation Processing & Publication Unit
Applied Hydrology Wing
Project Hydrological Design Unit
Hydro-meteorology Unit
Sedimentation Unit
Technology Development Unit
Secretary Service
Personnel
Financial
General Supply
Project Water Operation Wing
Flood & Drought Forecasting Unit
Yanhee-Chao Phya Operation Unit
Radar Unit

STANDARD OF DATA COLLECTION WORK

Field work - The minimum standards of hydrologic basic data field observations and measurements are equal to those recommended in the United Nations ECAFE Flood Control Series No. 6.

Water level data are obtained by staff gage reading and recorders in such manner as previously explained.

Measurements of flow are made with current meter by accepted methods as previously mentioned. 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.

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 a fashion of using cross section made during dry season for discharge computation.

The standard methods of U. S. Geological Survey are basic methods adopted in the network field operation.

Office Record 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 shifting control could be eliminated or reduced. Zero flow elevation of the rating section is determined by trial 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 both by direct velocity measurement and slope-area method whenever applicable.

Determination of Daily Mean Flow - Application of the adjusted daily mean gage height to rating tables gives the corresponding daily mean discharge, from which

the monthly and the yearly mean discharge are computed. Shifting adjustment for observed gage height is made when necessary. Shifting design is made base 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 time average reading (for daytime) gives an error of daily mean flow not more than 15% for mountain streams, less than 10% for larger valley streams and not more than 5% for lower deltaic streams. Most of mountain and valley streams are under recording operation, only deltaic streams that daytime reading are still used.

The daily mean water level tabulated herein are the actual arithmetic mean of the observed data available. Adjusted water level due to shifting, which are applicable to rating curve for daily mean flow determination are not shown but they will be found in the computation file of H. 25.

It is noted that the daily mean flow presented herein are mostly subject to upstream diversion utilization. Headwater utilization of water by people diversions and state-own diversions are expected in many of 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.

CLASSIFICATION OF DATA

Time basis used for daily mean flow is from midnight to midnight. The degrees of accuracy of the data are classified as follows:

Excellent indicates the error of data of less than 5% being believable;

Good being less than 10%

Fair being less than 15%; and

Poor being more than 15% probable.

Review of Procedure for Streamflow Record Processing

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

1. Checking of gage height data which are obtained either from staff gage reading or from 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 recorder 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 the location of gage at which the rating curve is developed.

2. Checking of availability and goodness of field measurement notes, H. 23.

3. Checking of differential magnitude of water level during rating as to which arithmetic average or weighed average is desirable.

4. Checking of stability of rating curve used, HS. 1004.

5. Review of shifting control sample and design shifting, H. 24-25, if any.

6. Adjustment of backwater, flood wave, etc., by rate of change of falls as index, H. 31-32, if any.

7. Overall review of daily mean flow data as an end-product, H. 26.

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

SERIES OF YEARBOOK PUBLICATIONS

The yearbook volumes in which the flow data had been or will be published, are to arranged as follows:

Volume	Years of Record	No. of Station-years
1	1912 - 1937	112
2	1938 - 1947	103
3	1948 - 1953	146
4	1954 - 1956	178
5	1957 - 1959	203
6	1960 - 1962	213
7	1963 - 1964	182
8	1965	113
9	1966	129
10	1967	172
11	1968	187

It is earnestly hopeful that the Volume 12 and the further volumes will be released in serial order.

UNIT OF MEASUREMENT USED

UNIT CONVERSION FACTORS

1 meter (m) = 39.37 inches	=	3.2808 feet
1 kilometer (km) = 0.6214 mile	=	3,280.8 feet
1 square meter (m^2 of sq m)	=	1.196 square yards
	=	10.764 square feet
1 square kilometer (km^2 or sq km)	=	0.3861 square mile
	=	247.1 acres
	=	625 rai (Thai)
1 cubic meter (m^3 c cu m)	=	1,000 litres
	=	1.308 cubic yards
	=	35.31 cubic feet
1 million cubic meter (mcm)	=	1,000,000 m^3
	=	810.7 acre-feet
1 acre-foot	=	1,233 m^3
1 hectare	=	6.25 rai (Thai)
1 acre	=	2.50 rai
1 rai (Thai)	=	1,600 m^2
1 day	=	86,400 seconds
1 month (average)	=	2.63 million seconds
1 year (average).	=	31.6 million seconds

STREAM GAGING DATA

WATER YEAR 1912 – 1937

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1921
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 304.75 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.
Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38.
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

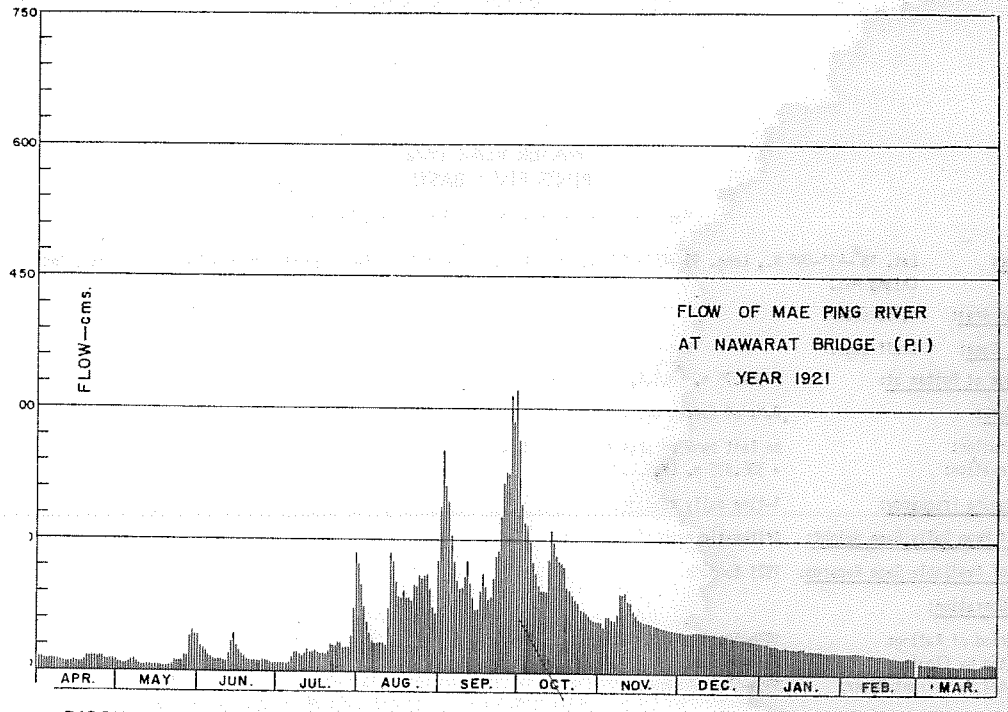
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.55	301.44	301.83	301.44	302.73	303.19	303.64	302.16	302.05	301.90	301.76	301.50
2	.55	.44	.79	.43	.44	.62	.14	.09	.04	.90	.76	.50
3	.54	.44	.76	.42	.24	.24	.12	.24	.04	.89	.76	.49
4	.54	.44	.67	.43	.08	.28	.11	.23	.04	.88	.76	.49
5	.53	.47	.62	.43	301.96	302.99	302.93	.20	.04	.86	.76	.48
6	301.52	301.53	301.59	301.55	301.88	302.78	302.76	302.19	302.04	301.86	301.75	301.48
7	.51	.55	.57	.73	.88	.64	.66	.23	.04	.86	.75	.48
8	.50	.43	.57	.72	.88	.54	.57	.49	.03	.85	.74	.47
9	.48	.41	.57	.72	.90	.54	.53	.46	.03	.84	.74	.47
10	.48	.40	.50	.65	.85	.60	.52	.49	.03	.84	.73	.48
11	301.47	301.38	301.50	301.68	301.84	302.80	302.51	302.42	302.03	301.84	301.73	301.48
12	.46	.39	.75	.79	302.36	.58	.75	.40	.02	.83	.72	.47
13	.47	.39	.87	.73	.87	.44	303.06	.30	.02	.83	.72	.47
14	.47	.41	302.00	.72	.79	.35	302.93	.25	.01	.82	.72	.46
15	.47	.37	301.81	.74	.57	.30	.84	.21	.00	.82	.72	.46
16	301.46	301.37	301.76	301.73	302.43	302.50	302.79	302.19	301.99	301.82	301.71	301.45
17	.46	.35	.65	.67	.45	.68	.78	.18	.99	.84	.70	.44
18	.50	.33	.60	.70	.51	.53	.74	.16	.98	.79	.68	.44
19	.62	.33	.55	.67	.44	.43	.52	.15	.98	.79	.68	.44
20	.61	.34	.53	.72	.45	.45	.53	.14	.97	.79	.67	.43
21	301.61	301.36	301.50	301.87	302.40	302.66	302.46	302.13	301.97	301.79	301.67	301.44
22	.61	.50	.50	.85	.57	.84	.42	.12	.96	.79	.66	.45
23	.61	.51	.50	.84	.54	.83	.39	.11	.96	.79	.66	.43
24	.61	.51	.50	.89	.67	303.15	.33	.09	.95	.78	.65	.47
25	.61	.51	.55	.86	.63	.41	.31	.08	.95	.78	.65	.51
26	301.53	301.65	301.52	301.81	302.66	303.48	302.29	302.07	301.94	301.78	301.64	301.53
27	.52	.64	.49	.82	.63	.47	.25	.06	.93	.78	.64	.53
28	.52	.65	.46	.83	.43	.93	.22	.06	.93	.78	.63	.53
29	.52	302.05	.44	302.00	.29	.73	.20	.05	.92	.77		.53
30	.52	301.99	.42	.30	.28	.96	.18	.05	.92	.76		.48
31		.99		.87	.73		.17		.91	.75		.48
Mean	301.53	301.51	301.61	301.76	302.37	302.93	302.63	302.20	301.99	301.82	301.70	301.48
Max.	301.62	302.05	302.00	302.87	302.87	303.96	303.64	302.49	302.05	301.90	301.76	301.53
Min.	301.46	301.33	301.42	301.42	301.84	302.30	302.17	302.05	301.91	301.75	301.63	301.43

WATER YEAR 1921 : Max. 303.96 m. Min. 301.33 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	14	9.85	28	9.85	118	180	256	57	47	34	24	12
2	14	9.85	26	9.50	84	252	172	51	46	34	24	12
3	13	9.85	24	9.15	64	188	170	64	46	34	24	12
4	13	9.85	19	9.50	50	194	168	63	46	33	24	12
5	13	11	16	9.50	39	152	144	60	46	31	24	11
6	13	13	15	14	33	124	122	59	46	31	24	11
7	12	14	14	22	33	107	110	63	46	31	24	11
8	12	9.50	14	22	33	95	99	90	45	30	23	11
9	11	8.80	14	22	34	95	94	88	45	29	23	11
10	11	8.45	12	18	30	102	93	90	45	29	22	11
11	11	7.75	12	20	29	127	92	82	45	29	22	11
12	10	8.10	24	26	75	100	121	80	45	28	22	11
13	11	8.10	32	22	136	84	161	69	45	28	22	11
14	11	8.80	43	22	126	74	144	65	43	28	22	10
15	11	7.40	27	23	99	69	132	61	42	28	22	10
16	10	7.40	24	22	83	91	126	59	42	28	21	10
17	10	6.70	18	19	85	112	124	58	42	29	21	10
18	12	6.00	16	21	92	94	119	57	41	26	20	10
19	16	6.00	14	19	84	83	93	56	41	26	20	10
20	16	6.35	13	22	85	85	94	55	40	26	19	9.50
21	16	7.05	12	32	80	110	86	54	40	26	19	9.85
22	16	12	12	30	99	132	82	53	39	26	18	10
23	16	12	12	29	95	131	79	52	39	26	18	9.50
24	16	12	12	34	111	174	72	51	38	25	18	11
25	16	12	14	31	106	215	70	50	38	25	18	12
26	13	18	13	27	110	227	68	49	38	25	17	13
27	13	17	12	28	106	225	65	48	37	25	17	13
28	13	39	10	28	83	314	62	48	37	25	17	13
29	13	47	9.85	43	68	273	60	47	36	25		13
30	13	42	9.15	69	67	321	58	47	36	24		11
31		42		136	118		58		35	24		11
Total	389	436.80	521.00	848.50	2,455	4,530	3,394	1,826	1,297	868	589	342.85
Mean	13.0	14.1	17.4	27.4	79.2	151	109	60.9	41.8	28.0	21.0	11.0
Max.	16	47	43	136	136	321	256	90	47	34	24	13
Min.	10	6.00	9.15	9.15	29	69	58	47	35	24	17	9.50
Runoff - mcm.	33.610	37.739	45.014	73.310	212.112	391.392	293.242	157.766	112.061	74.995	50.890	29.622

WATER YEAR 1921 : Max. 321 Min. 6.00 Mean 47.9 Annual Runoff 1,511.754 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 30	06.00	303.96	321				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1922
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 394.75 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank on abutment of bridge.
Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

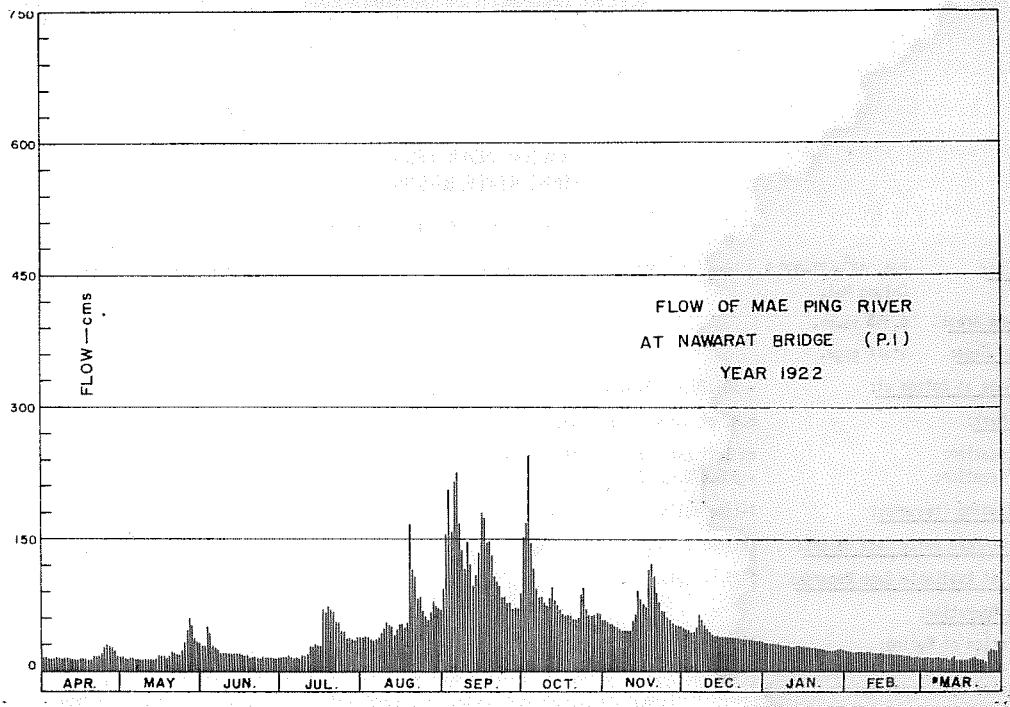
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.55	301.59	301.82	301.58	301.95	302.63	302.99	302.15	302.05	301.87	301.74	301.61
2	.55	.57	.82	.61	.94	303.35	303.00	.14	.04	.87	.74	.60
3	.54	.57	302.09	.60	.94	.05	.58	.11	.02	.86	.73	.60
4	.54	.55	301.93	.60	.93	.01	302.95	.11	.01	.86	.73	.59
5	.52	.55	.82	.59	.89	.42	.69	.09	.00	.86	.73	.59
6	301.52	301.54	301.78	301.59	301.92	303.47	302.53	302.07	302.08	301.85	301.73	301.58
7	.52	.54	.75	.60	.93	302.90	.42	.05	.24	.84	.73	.58
8	.52	.53	.69	.58	.99	.88	.44	.03	.15	.84	.72	.57
9	.52	.53	.68	.65	302.02	.63	.40	.02	.10	.84	.72	.56
10	.52	.53	.68	.64	.15	.95	.35	.02	.05	.83	.72	.56
11	301.51	301.52	301.67	301.66	302.13	302.73	302.40	302.02	302.01	301.83	301.72	301.55
12	.51	.52	.68	.82	.11	.51	.55	.17	301.97	.83	.71	.60
13	.51	.52	.68	.81	301.95	.65	.40	.25	.97	.82	.71	.60
14	.51	.52	.69	.85	302.02	.77	.33	.50	.97	.82	.71	.53
15	.50	.65	.67	.83	.13	303.20	.29	.37	.96	.82	.70	.52
16	301.50	301.60	301.66	301.79	302.13	303.15	302.25	302.35	301.96	301.81	301.69	301.52
17	.50	.60	.64	302.31	.08	302.94	.23	.27	.95	.81	.69	.52
18	.49	.55	.63	.23	.00	.95	.23	.70	.95	.80	.68	.55
19	.49	.61	.61	.32	303.10	.83	.22	.75	.94	.80	.68	.55
20	.63	.70	.60	.31	302.61	.65	.18	.61	.94	.80	.67	.60
21	301.61	301.70	301.60	302.26	302.65	302.60	302.18	302.44	301.93	301.79	301.67	301.60
22	.61	.60	.58	.13	.40	.54	.15	.35	.93	.78	.66	.53
23	.67	.63	.58	.13	.45	.43	.45	.26	.93	.77	.66	.53
24	.81	.75	.63	.03	.30	.44	.53	.25	.92	.77	.65	.53
25	.85	.87	.62	.02	.24	.38	.32	.20	.92	.76	.64	.45
26	301.81	302.07	301.62	301.93	302.16	302.38	302.22	302.16	301.91	301.76	301.63	301.77
27	.79	.21	.60	.93	.28	.31	.21	.14	.91	.75	.63	.77
28	.73	.35	.59	.92	.40	.32	.24	.11	.90	.75	.62	.75
29	.62	301.92	.59	.91	.34	.33	.21	.09	.89	.74		.75
30	.60	.86	.59	.95	.31	.33	.27	.09	.89	.74		.65
31		.85		.96	.29		.16		.88	.74		.65
Mean	301.58	301.67	301.69	301.87	302.18	302.76	302.43	302.23	301.98	301.81	301.69	301.59
Max.	301.85	302.21	302.09	302.32	303.10	303.47	303.58	302.75	302.24	301.87	301.74	301.77
Min.	301.49	301.52	301.58	301.58	301.89	302.33	302.15	302.02	301.88	301.74	301.62	301.45

WATER YEAR 1922 : Max. 303.58 m. Min. 301.45 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	14	15	28	15	39	106	152	56	47	32	23	16
2	14	14	28	16	38	205	153	55	46	32	23	16
3	13	14	51	16	38	160	245	52	45	31	22	16
4	13	14	37	16	37	154	147	52	44	31	22	15
5	13	14	28	15	34	216	113	51	43	31	22	15
6	13	13	25	15	36	225	94	49	50	30	22	15
7	13	13	24	16	37	140	82	47	64	29	22	15
8	13	13	20	15	42	137	84	45	56	29	22	14
9	13	13	20	18	45	106	80	45	51	29	22	14
10	13	13	20	17	56	147	74	45	47	28	22	14
11	12	13	19	18	54	118	80	45	44	28	22	14
12	12	13	20	29	52	92	94	58	40	28	21	16
13	12	13	20	27	39	108	80	65	40	28	21	16
14	12	13	20	30	45	123	72	91	40	28	21	13
15	12	18	19	28	54	181	68	76	39	28	21	13
16	12	16	18	26	54	174	65	74	39	27	20	13
17	12	16	17	70	50	145	63	67	39	27	20	13
18	12	14	17	63	43	147	63	114	39	27	20	14
19	12	16	16	71	167	131	62	121	38	27	20	14
20	17	21	16	70	104	108	58	104	38	27	19	16
21	16	21	16	66	108	102	58	84	37	26	19	16
22	16	16	15	54	80	95	56	74	37	25	18	13
23	19	17	15	54	85	83	85	66	37	25	18	13
24	27	24	17	45	69	84	94	65	36	25	18	13
25	30	32	16	45	64	77	71	60	36	24	17	10
26	27	49	16	37	57	77	62	57	35	24	17	25
27	26	61	16	37	67	70	61	55	35	24	17	25
28	22	47	15	36	80	71	64	52	34	24	16	24
29	16	36	15	35	73	72	61	51	34	23		24
30	16	31	15	39	70	72	67	51	34	23		18
31		30		39	68		57		33	23		18
Total	472	653	619	1,078	1,885	3,726	2,665	1,927	1,277	843	567	491
Mean	15.7	21.1	20.6	34.8	60.8	124	86.0	64.2	41.2	27.2	20.2	15.8
Max.	30	61	51	71	167	225	245	121	64	32	23	25
Min.	12	13	15	15	34	72	56	45	33	23	16	10
Runoff - mcm.	40.781	56.419	53.482	93.139	162.864	321.926	230.256	166.493	110.333	72.835	48.989	42.422

WATER YEAR 1922 : Max. 245 Min. 10 Mean 44.4 Annual Runoff 1,399.939 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 3	06.00	303.58	245				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1923
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 304.75 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank on abutment of bridge
Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Condition: No overbank flow.

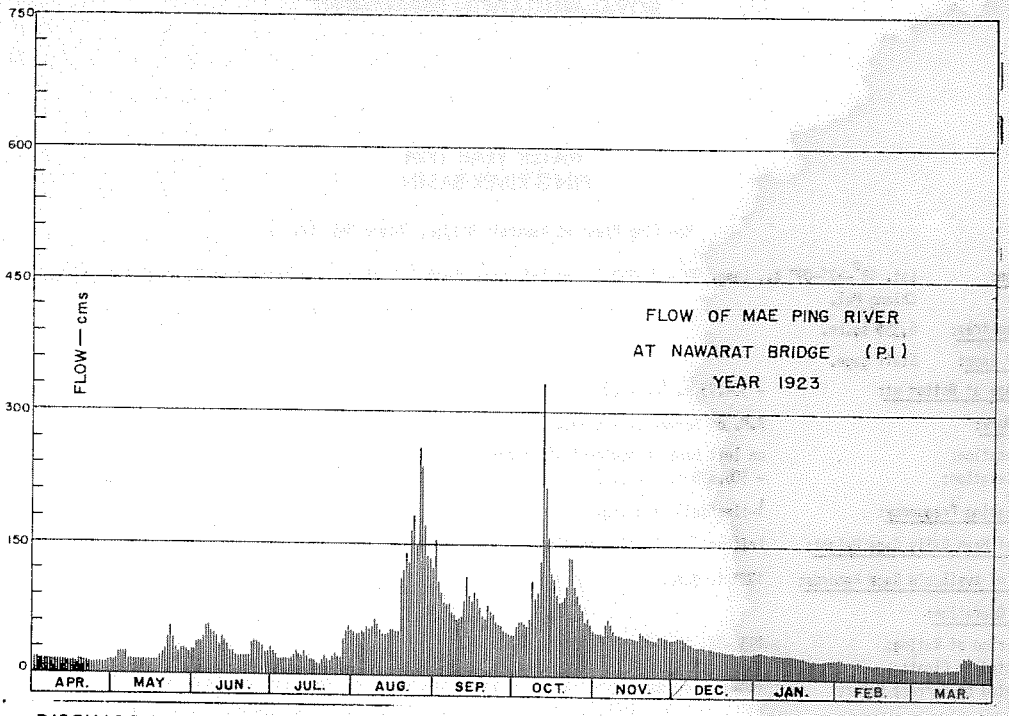
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.63	301.58	301.81	301.79	302.07	303.00	302.05	302.08	301.99	301.82	301.72	301.55
2	.63	.58	.94	.75	.05	302.65	.16	.08	302.03	.85	.72	.54
3	.62	.77	.93	.65	.05	.52	.20	.06	.03	.82	.71	.54
4	.61	.77	.96	.65	.10	.44	.23	.06	.00	.82	.71	.54
5	.60	.78	302.05	.65	.07	.42	.19	.21	301.98	.81	.70	.53
6	301.59	301.75	302.20	301.65	302.14	302.42	302.15	302.25	301.95	301.81	301.70	301.53
7	.59	.61	.13	.67	.11	.34	.29	.15	.94	.81	.69	.53
8	.58	.60	.05	.67	.13	.30	.65	.09	.92	.81	.68	.52
9	.58	.60	301.98	.70	.23	.24	.45	.05	.92	.81	.68	.52
10	.58	.59	.90	.83	.15	.26	.55	.04	.91	.81	.67	.52
11	301.58	301.61	301.90	301.75	302.10	302.27	303.60	302.04	301.91	301.81	301.66	301.51
12	.57	.61	302.03	.71	.04	.43	304.00	.03	.91	.81	.66	.51
13	.56	.60	301.95	.80	.05	.69	303.33	.02	.90	.80	.66	.50
14	.56	.60	.84	.70	.06	.46	302.97	.02	.90	.79	.65	.51
15	.56	.60	.81	.65	.12	.45	.70	.01	.89	.78	.64	.51
16	301.55	301.62	301.75	301.65	302.10	302.54	302.68	302.00	301.87	301.77	301.64	301.51
17	.55	.60	.73	.60	.09	.46	.55	301.99	.87	.76	.63	.50
18	.60	.59	.71	.55	.06	.35	.45	302.10	.86	.75	.62	.50
19	.57	.70	.70	.55	.70	.27	.40	.05	.86	.74	.61	.75
20	.56	.75	.70	.65	.72	.26	.50	.03	.85	.73	.60	.79
21	301.55	301.85	301.70	301.73	302.90	302.40	302.49	302.02	301.85	301.72	301.60	301.75
22	.54	302.05	.75	.65	.77	.35	.85	.00	.84	.71	.59	.80
23	.54	.14	.95	.65	303.10	.31	.85	301.99	.84	.70	.58	.74
24	.53	301.96	.96	.72	.20	.20	.62	.99	.83	.69	.58	.73
25	.53	.85	.92	.75	302.85	.19	.50	302.22	.83	.68	.57	.71
26	301.52	301.76	301.90	301.71	303.65	302.15	302.45	302.05	301.83	301.68	301.57	301.69
27	.52	.85	.85	.69	.46	.09	.35	.03	.83	.68	.56	.69
28	.51	.85	.76	.95	302.95	.07	.21	.00	.83	.70	.56	.66
29	.55	.80	.80	302.09	.84	.07	.26	301.99	.82	.69	.55	.68
30	.60	.79	.85	.15	.85	.05	.15	302.00	.82	.71		.68
31		.85		.08	.76		.10		.82	.70		.68
Mean	301.57	301.73	301.88	301.73	302.47	302.35	302.55	302.05	301.89	301.76	301.64	301.60
Max.	301.63	302.14	302.20	302.15	303.65	303.00	304.00	302.25	302.03	301.85	301.72	301.80
Min.	301.51	301.58	301.70	301.55	302.04	302.05	302.05	301.99	301.82	301.68	301.55	301.50

WATER YEAR 1923 : Max. 304.00 m. Min. 301.50 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	17	15	27	26	49	153	47	50	42	28	22	14
2	17	15	38	24	47	108	57	50	45	30	22	13
3	16	25	37	18	47	93	60	49	45	28	21	13
4	16	25	39	18	51	84	63	48	43	28	21	13
5	16	25	47	18	49	82	59	61	41	27	21	13
6	15	24	60	18	55	82	56	65	39	27	21	13
7	15	16	54	19	52	73	68	56	38	27	20	13
8	15	16	47	19	54	69	108	51	36	27	20	13
9	15	16	41	21	63	64	85	47	36	27	20	13
10	15	15	34	28	56	66	96	46	35	27	19	13
11	15	16	34	24	51	67	102	46	35	27	18	12
12	14	16	45	21	46	83	331	45	35	27	18	12
13	14	16	39	27	47	113	202	45	34	27	18	12
14	14	16	29	21	48	86	149	45	34	26	18	12
15	14	16	27	18	53	85	114	44	34	25	17	12
16	14	16	24	18	51	95	112	43	32	25	17	12
17	14	16	22	16	51	86	96	42	32	24	17	12
18	16	15	21	14	48	74	85	51	31	24	16	12
19	14	21	21	14	114	67	80	47	31	23	16	24
20	14	24	21	18	117	66	91	45	30	22	16	26
21	14	30	21	22	140	80	90	45	30	22	16	24
22	13	47	24	18	123	74	134	43	29	21	15	27
23	13	55	39	18	167	70	134	42	29	21	15	23
24	13	39	39	22	181	60	105	42	28	20	15	22
25	13	30	36	24	134	59	91	45	28	20	14	21
26	13	24	34	21	258	56	85	47	28	20	14	20
27	13	30	30	20	223	51	74	45	28	20	14	20
28	12	30	24	39	147	49	61	43	28	21	14	18
29	14	27	27	51	132	49	66	42	28	20	14	20
30	16	26	30	56	134	47	56	43	28	21		20
31		30		50	122		51		28	21		20
Total	434	732	1,011	741	2,910	2,291	3,008	1,412	1,040	753	509	512
Mean	14.5	23.6	33.7	23.9	93.9	76.4	97.0	47.1	33.5	24.3	17.5	16.5
Max.	17	55	60	56	258	153	331	65	45	30	22	27
Min.	12	15	21	14	46	47	47	42	28	20	14	12
Runoff - mcm.	37.498	63.245	87.350	64.022	251.424	197.942	259.891	121.997	89.856	65.059	43.978	44.237

WATER YEAR 1923 : Max. 331 Min. 12 Mean 41.9 Annual Runoff 1,326.499 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 12	06.00	304.00	331				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1924
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 304.75 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.

Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38.

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

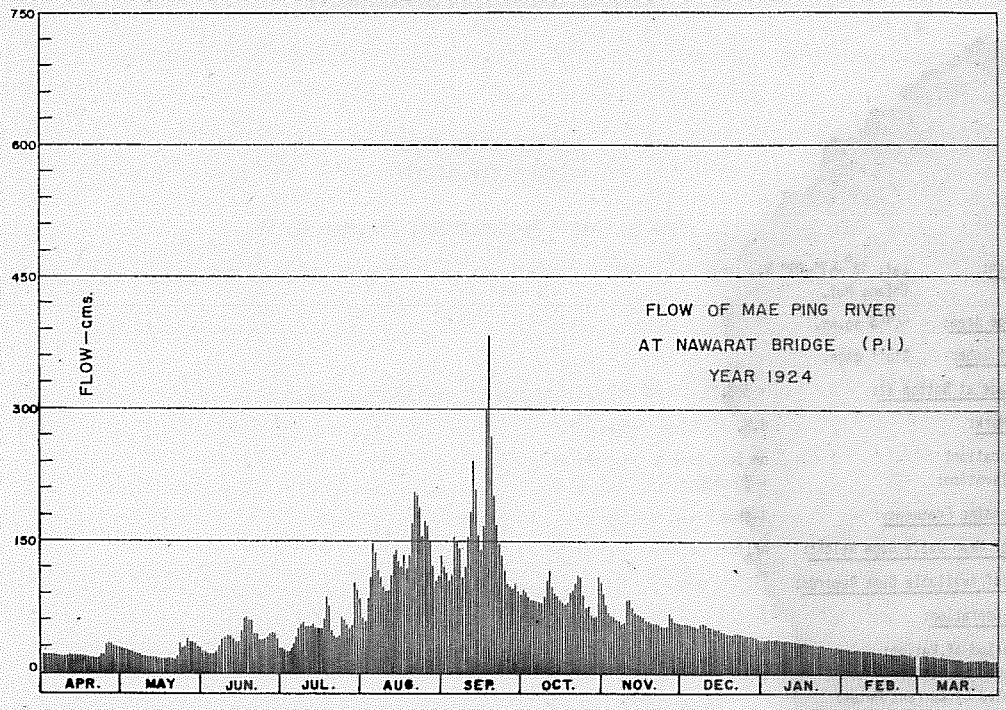
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.69	301.82	301.75	301.80	302.25	302.76	302.55	302.48	302.15	301.96	301.83	301.71
2	.69	.81	.74	.79	.15	.79	.51	.35	.14	.95	.83	.71
3	.69	.79	.73	.78	.33	.61	.45	.29	.15	.95	.83	.71
4	.68	.77	.72	.77	.65	.65	.42	.27	.14	.95	.82	.70
5	.68	.75	.73	.80	.95	303.01	.43	.24	.13	.95	.82	.70
6	301.68	301.73	301.75	301.93	302.86	302.95	302.41	302.20	302.12	301.95	301.82	301.69
7	.67	.72	.85	302.05	.70	.90	.39	.17	.11	.94	.81	.69
8	.67	.69	.95	.13	.55	.65	.39	.15	.14	.94	.81	.68
9	.67	.68	.98	.15	.55	.67	.40	.20	.16	.94	.80	.68
10	.67	.67	.98	.11	.50	.97	.59	.42	.14	.94	.80	.67
11	301.68	301.66	302.01	302.13	302.53	303.23	302.74	302.43	302.12	301.93	301.79	301.67
12	.68	.65	301.95	.11	.65	.55	.55	.33	.11	.93	.79	.66
13	.67	.65	.92	.15	.85	.31	.50	.29	.10	.92	.78	.66
14	.67	.63	.90	.09	.90	.01	.48	.27	.08	.92	.78	.65
15	.67	.63	.96	.09	.75	302.90	.44	.26	.07	.91	.77	.64
16	301.66	301.62	302.13	302.09	302.74	303.00	302.40	302.23	302.06	301.91	301.76	301.63
17	.66	.62	.25	.10	.85	304.00	.38	.21	.04	.90	.76	.63
18	.65	.61	.20	.45	.70	.18	.41	.20	.04	.90	.76	.62
19	.64	.60	.20	.35	.86	303.45	.49	.18	.03	.89	.75	.62
20	.64	.60	.02	.05	303.15	.28	.54	.16	.03	.89	.75	.61
21	301.64	301.59	302.02	302.00	303.35	303.02	302.61	302.15	302.02	301.88	301.75	301.62
22	.63	.65	301.95	301.98	.29	302.94	.55	.14	.02	.88	.74	.61
23	.68	.90	.94	.97	.20	.85	.53	.14	.02	.87	.74	.61
24	.68	.83	.93	302.25	302.90	.73	.41	.13	.01	.87	.73	.61
25	.87	.85	.96	.20	303.15	.60	.34	.13	.01	.86	.73	.61
26	301.89	301.95	302.00	302.15	303.10	302.57	302.37	302.31	302.00	301.86	301.71	301.60
27	.88	.90	.05	.10	302.85	.53	.26	.23	.00	.85	.71	.60
28	.85	.92	.03	.14	.70	.60	.24	.19	301.99	.85	.72	.60
29	.84	.90	301.95	.60	.60	.53	.27	.16	.98	.85		.60
30	.83	.85	.82	.53	.65	.48	.66	.15	.96	.84		.59
31		.82		.45	.85		.61		.96	.84		.59
Mean	301.71	301.74	301.94	302.11	302.78	302.95	302.46	302.23	302.06	301.90	301.77	301.64
Max.	301.89	301.95	302.25	302.60	303.35	304.18	302.74	302.48	302.16	301.96	301.83	301.71
Min.	301.63	301.60	301.72	301.77	302.15	302.48	302.24	302.13	301.96	301.94	301.71	301.59

WATER YEAR 1924 : Max. 304.18 m. Min. 301.59 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	20	28	24	27	65	122	96	88	56	39	28	21
2	20	27	23	26	56	114	92	74	55	39	28	21
3	20	26	22	25	72	104	85	68	56	39	28	21
4	20	25	22	25	108	108	82	67	55	39	28	21
5	20	24	22	27	147	154	83	64	54	39	28	21
6	20	22	24	37	135	147	81	60	53	39	28	20
7	19	22	30	47	114	140	79	58	52	38	27	20
8	19	20	39	54	108	108	79	56	55	38	27	20
9	19	20	41	56	96	111	80	60	57	38	27	20
10	19	19	41	52	91	149	101	82	55	38	27	19
11	20	18	44	54	94	186	119	83	53	37	26	19
12	20	18	39	52	108	240	96	72	52	37	26	18
13	19	18	36	56	134	199	91	68	51	36	25	18
14	19	17	34	51	140	154	88	67	50	36	25	18
15	19	17	39	51	121	140	84	66	49	35	25	17
16	18	16	54	51	119	153	80	63	48	35	24	17
17	18	16	65	51	134	331	77	61	46	34	24	17
18	18	16	60	85	114	382	81	60	46	34	24	16
19	17	16	60	74	135	222	90	58	45	34	24	16
20	17	16	45	47	174	194	95	57	45	34	24	16
21	17	15	45	43	205	156	104	56	45	33	24	16
22	17	18	39	41	196	145	96	55	45	33	23	16
23	20	34	38	40	181	134	94	54	45	32	23	16
24	20	28	37	65	140	118	81	54	44	32	22	16
25	32	30	39	60	174	102	73	54	44	31	22	16
26	34	39	43	56	167	99	76	70	43	31	21	16
27	33	34	47	51	134	94	66	63	43	30	21	16
28	30	36	45	55	114	102	64	59	42	30	22	16
29	29	34	39	102	102	94	67	57	41	30		16
30	28	30	28	94	108	88	110	56	39	29		15
31		28		85	134		104		39	29		15
Total	641	727	1,164	1,640	3,920	4,590	2,694	1,911	1,503	1,078	701	550
Mean	21.4	23.4	38.8	52.9	126	153	86.9	63.7	48.5	34.8	25.0	17.7
Max.	34	39	65	102	205	382	119	88	57	39	28	21
Min.	17	16	22	25	56	88	64	54	39	29	21	15
Runoff - mcm.	55.382	62.813	100.570	141.696	338.688	396.576	232.762	165.110	129.859	93.139	60.566	47.520

WATER YEAR 1924 : Max. 382 Min. 15 Mean 57.9 Annual Runoff 1,824.682 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 18	06.00	304.18	382				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1925
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.73 m. (M.S.L.) prior to August 1 used 304.75 m. (M.S.L.).

Bench Mark: B.M. of Survey Department.

- Location: on left bank on abutment of bridge.
- Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

- Period of Rating: 1936-38, 1954-60, 1967-cont.
- Rated by Float: 1936-38
- Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

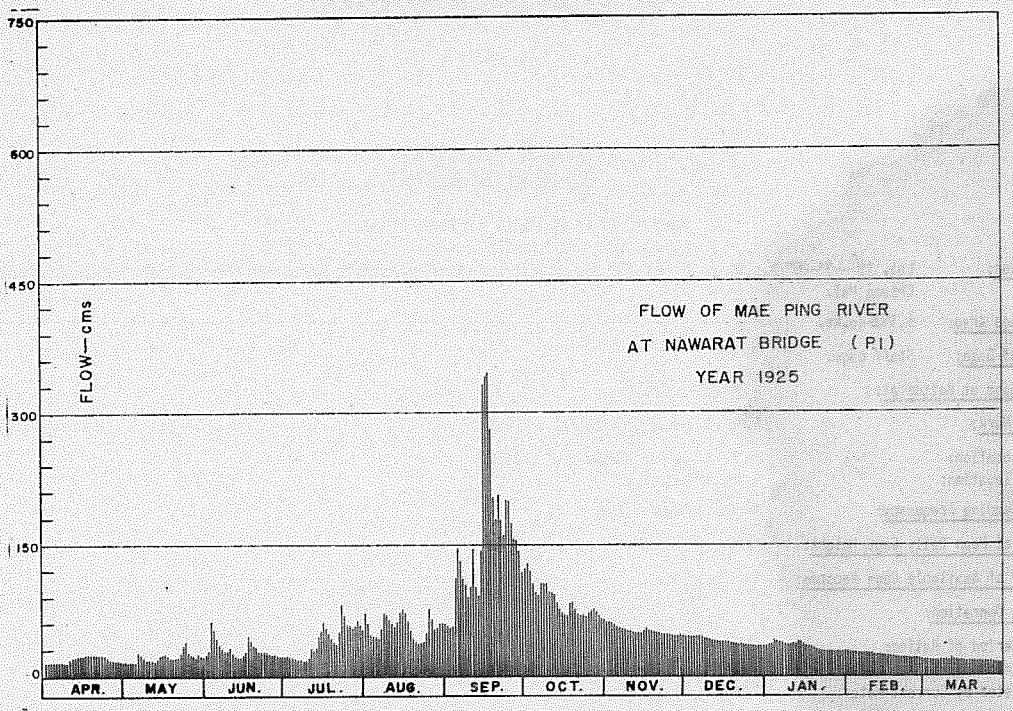
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.59	301.60	301.75	301.72	302.32	302.18	302.75	302.21	302.02	301.89	301.80	301.66
2	.59	.59	.87	.74	.13	.14	.79	.21	.01	.91	.80	.65
3	.58	.59	302.23	.70	.01	.13	.71	.20	.01	.92	.79	.65
4	.58	.58	.05	.68	.02	.58	.61	.17	.01	.97	.79	.64
5	.58	.58	301.94	.67	.02	.98	.53	.13	.01	.96	.79	.64
6	301.59	301.79	301.89	301.66	301.99	302.83	302.51	302.13	302.01	301.94	301.78	301.64
7	.58	.75	.85	.65	302.14	.68	.62	.12	.00	.93	.78	.64
8	.57	.68	.85	.64	.33	.62	.61	.11	301.99	.91	.78	.63
9	.57	.67	.81	.64	.31	.48	.62	.10	.99	.90	.77	.63
10	.65	.66	.88	.73	.21	.53	.54	.09	.98	.91	.77	.63
11	301.70	301.66	301.76	301.86	302.20	302.93	302.53	302.08	301.97	301.93	301.76	301.68
12	.71	.64	.73	.84	.14	.53	.50	.07	.97	.92	.76	.65
13	.72	.62	.71	.81	.22	.51	.41	.07	.96	.98	.75	.63
14	.72	.75	.70	302.05	.33	.93	.37	.06	.96	.93	.75	.63
15	.73	.76	.72	.12	.38	304.00	.31	.09	.96	.91	.74	.63
16	301.76	301.77	301.75	302.22	302.32	304.04	302.30	302.12	301.95	301.89	301.74	301.62
17	.76	.76	302.04	.11	.21	.05	.27	.09	.95	.88	.73	.62
18	.75	.70	301.95	.05	.08	303.40	.42	.08	.94	.87	.72	.62
19	.75	.68	.92	301.97	301.99	.31	.43	.08	.93	.86	.72	.61
20	.75	.67	.87	.94	.96	.11	.35	.07	.93	.83	.71	.61
21	301.75	301.71	301.78	301.98	301.93	303.35	302.30	302.06	301.92	301.82	301.71	301.60
22	.74	.76	.83	302.11	.95	.03	.27	.05	.92	.82	.70	.60
23	.73	.89	.84	.41	.96	.05	.30	.04	.91	.81	.70	.60
24	.67	.95	.82	.22	302.11	.32	.25	.04	.91	.81	.69	.60
25	.66	.78	.75	.15	.39	.31	.32	.04	.91	.81	.69	.60
26	301.65	301.75	301.74	302.17	302.25	303.09	302.35	302.04	301.90	301.81	301.68	301.60
27	.64	.73	.76	.14	.12	.00	.37	.03	.90	.81	.68	.59
28	.64	.70	.74	.15	.13	.01	.33	.03	.90	.80	.67	.59
29	.63	.77	.73	.23	.19	302.80	.28	.02	.89	.80		.59
30	.60	.73	.73	.15	.23	.70	.24	.02	.89	.80		.63
31		.73		.10	.19		.23		.89	.80		.63
Mean	301.66	301.71	301.83	301.95	302.15	302.95	302.43	302.09	301.95	301.87	301.74	301.62
Max.	301.76	301.95	302.23	302.41	302.38	304.05	302.79	302.21	302.02	301.98	301.80	301.68
Min.	301.57	301.62	301.71	301.64	301.93	302.13	302.23	302.02	301.89	301.80	301.67	301.59

WATER YEAR 1925 : **Max.** 304.05 m. **Min.** 301.57 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	15	16	24	22	71	58	121	61	45	34	27	18
2	15	15	32	23	54	55	126	61	44	35	27	18
3	15	15	63	21	44	54	116	60	44	36	26	18
4	15	15	47	20	45	100	104	58	44	40	26	17
5	15	15	38	19	45	150	94	54	44	39	26	17
6	15	26	34	18	42	131	92	54	44	38	25	17
7	15	24	30	18	55	112	105	53	43	37	25	17
8	14	20	30	17	72	105	104	52	42	35	25	17
9	14	19	27	17	70	88	105	51	42	34	25	17
10	18	18	33	22	61	94	95	51	41	35	25	17
11	21	18	24	31	60	144	94	50	40	37	24	20
12	21	17	22	29	55	94	91	49	40	36	24	18
13	22	16	21	27	62	92	81	49	39	41	24	17
14	22	24	21	47	72	144	76	48	39	37	24	17
15	22	24	22	53	77	331	70	51	39	35	23	17
16	24	25	24	62	71	341	69	53	39	34	23	16
17	24	24	46	52	61	344	67	51	39	33	22	16
18	24	21	39	47	50	213	82	50	38	32	22	16
19	24	20	36	40	42	199	83	50	37	31	22	16
20	24	19	32	38	39	168	74	49	37	28	21	16
21	24	21	25	41	37	205	69	48	36	28	21	16
22	23	24	28	52	39	157	67	47	36	28	21	16
23	22	34	29	81	39	160	69	46	35	27	21	16
24	19	39	28	62	52	200	65	46	35	27	20	16
25	18	25	24	56	77	199	71	46	35	27	20	16
26	18	24	23	58	65	165	74	46	34	27	20	16
27	17	22	24	55	53	153	76	45	34	27	20	15
28	17	21	23	56	54	154	72	45	34	27	19	15
29	17	25	22	63	59	127	67	45	34	27		15
30	16	22	22	56	63	114	64	45	34	27		17
31		22		51	59		63		34	27		17
Total	570	670	893	1,254	1,745	4,651	2,606	1,514	1,201	1,006	648	517
Mean	19.0	21.6	29.8	40.4	56.3	155	84.1	50.5	38.7	32.4	23.1	16.7
Max.	24	39	63	81	77	344	126	61	45	41	27	20
Min.	14	16	21	17	37	54	63	45	34	27	19	15
Runoff - mcm.	49.248	57.888	77.155	108.346	150.768	401.846	225.158	130.810	103.766	86.918	55.987	44.669

WATER YEAR 1925 : Max. 344 Min. 14 Mean 47.3 Annual Runoff 1,492.560 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 17	06.00	304.05	344				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1926
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.73 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.
Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38.
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

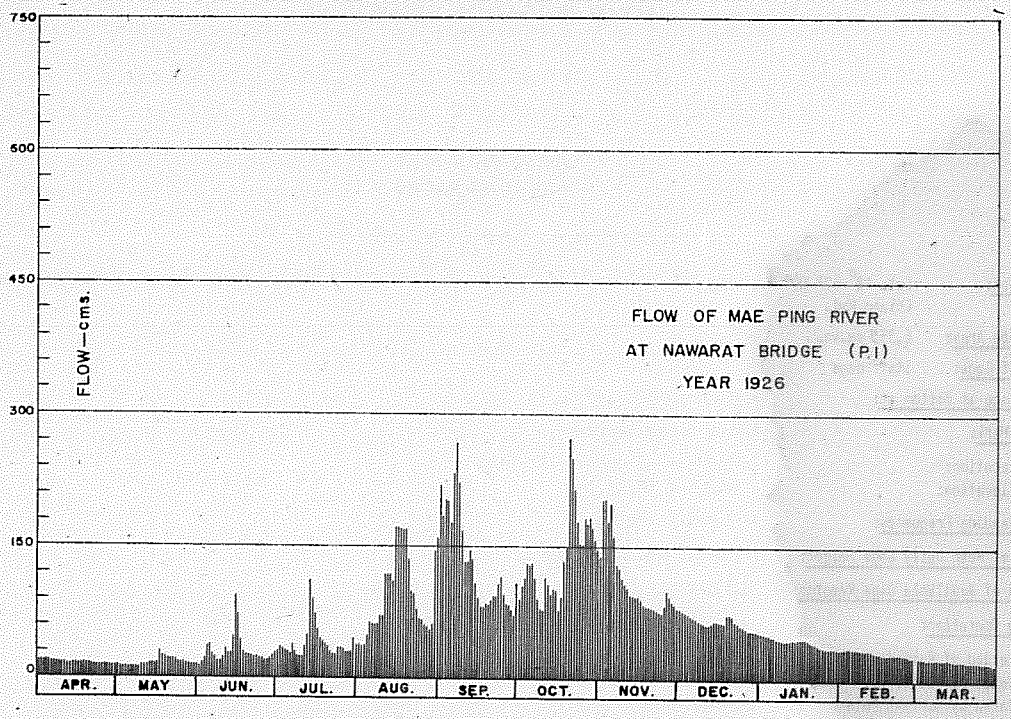
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.62	301.47	301.43	301.82	301.93	303.43	302.44	302.83	302.38	302.09	301.90	301.76
2	.61	.47	.56	.90	.92	.13	.62	303.33	.37	.08	.90	.75
3	.60	.46	.65	.87	.93	.33	.68	.33	.35	.07	.90	.74
4	.60	.46	.88	.83	302.02	.32	.83	.12	.33	.06	.90	.74
5	.59	.46	.92	.83	302.23	.08	.79	.30	.31	.05	.89	.73
6	301.58	301.45	301.76	301.77	302.20	303.55	302.83	303.00	302.29	302.03	301.89	301.73
7	.58	.45	.72	.92	.20	.70	.63	302.83	.27	.02	.89	.72
8	.57	.45	.63	.78	.20	.38	.47	.78	.25	.00	.88	.72
9	.56	.45	.64	.76	.31	.03	.38	.70	.23	301.99	.88	.72
10	.56	.49	.70	.73	.31	302.83	.38	.63	.22	.99	.88	.72
11	301.55	301.49	301.86	301.91	302.71	302.84	302.70	302.54	302.21	302.00	301.87	301.72
12	.54	.49	.78	.73	.72	.93	.62	.58	.21	.00	.86	.72
13	.54	.54	.75	302.66	.72	.78	.52	.53	.23	.00	.85	.71
14	.54	.53	.93	.50	.61	.63	.58	.52	.25	.00	.84	.71
15	.54	.53	302.51	.33	303.12	.52	.56	.50	.25	.01	.84	.71
16	301.53	301.52	302.23	302.17	303.12	302.41	302.34	302.48	302.22	302.01	301.83	301.70
17	.53	.83	301.93	.03	.11	.40	.50	.43	.21	.01	.83	.70
18	.52	.73	.83	301.98	.11	.45	.85	.42	.21	.01	.83	.69
19	.52	.70	.76	.93	.11	.43	303.35	.41	.34	.00	.83	.69
20	.52	.69	.76	.88	302.63	.48	303.72	.40	.33	301.99	.83	.68
21	301.51	301.67	301.72	301.83	302.53	302.53	303.62	302.39	302.32	301.97	301.82	301.68
22	.51	.67	.72	.79	.53	.52	.42	.37	.23	.96	.82	.68
23	.50	.63	.73	.78	.33	.63	.18	.35	.21	.93	.82	.67
24	.50	.61	.68	.89	.24	.70	302.98	.35	.20	.92	.81	.67
25	.50	.60	.70	.88	.24	.53	.94	.42	.18	.91	.80	.66
26	301.49	301.58	301.66	301.85	302.18	302.43	303.20	302.57	302.15	301.90	301.79	301.66
27	.49	.53	.66	.83	.15	.42	.15	.52	.13	.90	.78	.65
28	.48	.52	.68	.83	.12	.36	.21	.48	.13	.90	.77	.65
29	.48	.51	.76	.84	.03	.31	.08	.42	.12	.90		.64
30	.47	.50	.82	302.00	.91	.63	.03	.39	.11	.90		.64
31		.49		301.98	303.03		302.94		.10	.90		.64
Mean	301.54	301.55	301.78	301.93	302.47	302.79	302.86	302.63	302.24	301.98	301.85	301.70
Max.	301.62	301.83	302.51	302.66	303.12	303.70	303.72	303.33	302.38	302.09	301.90	301.76
Min.	301.47	301.45	301.43	301.73	301.92	302.31	302.34	302.35	302.10	301.90	301.77	301.64

WATER YEAR 1926 : Max. 303.72 m. Min. 301.43 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	16	11	9.50	28	37	218	84	131	77	51	34	24
2	16	11	14	34	36	171	105	202	76	50	34	24
3	16	10	18	32	37	202	112	202	74	49	34	23
4	16	10	33	28	45	200	131	170	72	48	34	23
5	15	10	36	28	63	164	126	197	70	47	34	22
6	15	10	24	25	60	240	131	153	68	45	34	22
7	15	10	22	36	60	267	106	131	67	45	34	22
8	14	10	17	25	60	210	87	124	65	43	33	22
9	14	10	17	24	70	157	77	114	63	42	33	22
10	14	12	21	22	70	131	77	106	62	42	33	22
11	14	12	31	35	116	132	114	95	61	43	32	22
12	13	12	25	22	117	144	105	100	61	43	31	22
13	13	13	24	110	117	124	93	94	63	43	30	21
14	13	13	37	91	104	106	100	93	65	43	29	21
15	13	13	92	72	170	93	98	91	65	44	29	21
16	13	13	63	58	170	81	73	88	62	44	28	21
17	13	28	37	45	168	80	91	83	61	44	28	21
18	13	22	28	41	168	85	134	82	61	44	28	20
19	13	21	24	37	168	83	205	81	73	43	28	20
20	13	20	24	33	106	88	271	80	72	42	28	20
21	12	19	22	28	94	94	252	79	71	40	28	20
22	12	19	22	26	94	93	216	76	63	39	28	20
23	12	17	22	25	72	106	178	74	61	37	28	19
24	12	16	20	34	64	114	150	74	60	36	27	19
25	12	16	21	33	64	94	145	82	58	35	27	18
26	12	15	18	30	58	83	181	99	56	34	26	18
27	12	13	18	28	56	82	174	93	54	34	25	18
28	11	13	20	28	53	75	183	88	54	34	25	18
29	11	12	24	29	45	70	164	82	53	34		17
30	11	12	28	43	141	106	157	79	52	34		17
31		12		41	157		145		51	34		17
Total	399	435	811.50	1,171	2,840	3,893	4,265	3,243	1,971	1,286	842	636
Mean	13.3	14.0	27.0	37.8	91.6	130	137	108	63.6	41.5	30.1	20.5
Max.	16	28	92	110	170	267	271	202	77	51	34	24
Min.	11	10	9.50	22	36	70	73	74	51	34	25	17
Runoff - mcm.	34.474	37.584	70.114	101.174	245.376	336.355	368.496	280.193	170.294	111.110	72.749	54.950

WATER YEAR 1926 : Max. 271 Min. 9.50 Mean 59.3 Annual Runoff 1,871.554 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 20	06.00	303.72	271				

WATER YEAR 1927
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank on abutment of bridge.

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 readings.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

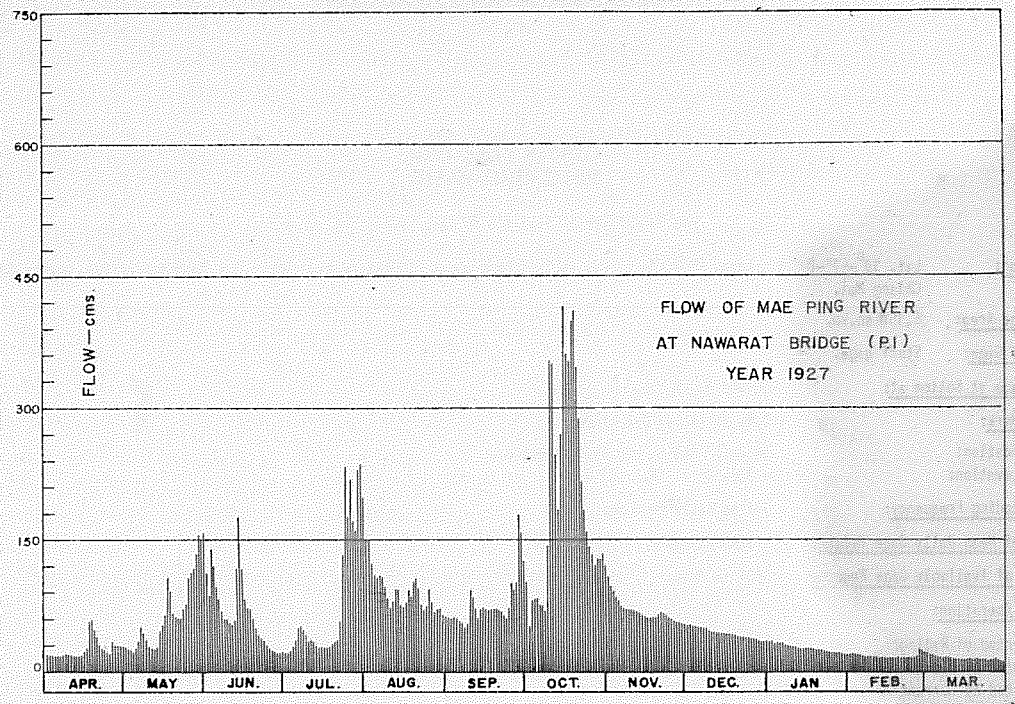
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.64	301.80	302.65	301.81	302.96	302.22	302.53	302.62	302.12	301.89	301.69	301.73
2	.64	.77	.42	.68	.98	.20	.43	.53	.11	.89	.68	.69
3	.63	.75	.89	.73	.76	.23	.42	.49	.11	.88	.68	.66
4	.63	.73	.63	.83	.64	.21	.43	.44	.10	.88	.67	.63
5	.63	.81	.50	.93	.63	.16	.43	.40	.10	.87	.67	.63
6	301.63	301.93	302.33	302.07	302.66	302.13	302.36	302.34	302.08	301.86	301.66	301.62
7	.63	302.08	.27	.09	.63	.10	.36	.33	.07	.85	.65	.62
8	.68	301.98	.20	.01	.52	.09	.28	.32	.07	.84	.64	.61
9	.67	.91	.19	301.97	.41	.30	303.00	.31	.04	.83	.63	.60
10	.64	.81	.13	.91	.33	.51	304.08	.31	302.01	.83	.63	.59
11	301.64	301.79	302.11	301.93	302.39	302.33	304.06	302.30	302.02	301.82	301.62	301.58
12	.64	.77	.20	.88	.53	.23	303.23	.28	.01	.81	.62	.57
13	.64	.79	303.16	.83	.51	.18	.03	.25	.01	.81	.62	.56
14	.63	302.03	302.92	.81	.37	.36	.83	.23	.00	.80	.61	.56
15	.73	.13	.61	.83	.33	.33	304.27	.21	.00	.80	.61	.55
16	301.73	302.28	302.36	301.82	302.38	302.31	304.10	302.20	302.00	301.80	301.61	301.54
17	302.13	.63	.34	.82	.51	.30	.04	.20	301.99	.79	.61	.53
18	.17	.48	.29	.83	.45	.32	.23	.20	.99	.78	.61	.53
19	.00	.28	.16	.86	.62	.33	.26	.22	.99	.77	.61	.53
20	301.92	.21	.06	.89	.63	.31	.01	.24	.98	.77	.61	.53
21	301.83	302.20	301.97	301.93	302.46	302.29	303.56	302.28	301.97	301.76	301.61	301.53
22	.78	.20	.93	302.11	.33	.23	.28	.26	.96	.75	.61	.52
23	.76	.32	.87	.68	.31	.19	.09	.22	.95	.74	.61	.52
24	.70	.35	.83	303.51	.28	.31	303.01	.20	.94	.73	.61	.52
25	.65	.63	.78	.08	.53	.58	302.89	.18	.94	.73	.63	.52
26	301.90	302.67	301.73	303.43	302.34	302.51	302.81	302.16	301.93	301.72	301.63	301.52
27	.83	.71	.72	.04	.28	.62	.73	.15	.92	.72	.78	.52
28	.83	.81	.70	302.98	.30	303.18	.81	.14	.91	.71	.75	.51
29	.83	303.02	.70	303.51	.32	302.99	.80	.13	.90	.71	.73	.51
30	.82	302.98	.72	.53	.24	.69	.85	.13	.90	.70		.50
31		.88		.14	.23		.71		.89	.69		.50
Mean	301.75	302.22	302.21	302.27	302.47	302.36	303.16	302.27	302.00	301.79	301.64	301.56
Max.	302.17	303.02	303.16	303.53	302.98	303.18	304.27	302.62	302.12	301.89	301.78	301.73
Min.	301.63	301.73	301.70	301.68	302.23	302.09	302.28	302.13	301.89	301.69	301.61	301.50

WATER YEAR 1927 : Max. 304.27 m. Min. 301.50 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	17	27	108	21	148	62	94	105	53	34	20	22
2	17	25	82	20	150	60	83	94	52	34	20	20
3	17	24	139	22	122	63	81	90	52	32	20	18
4	17	22	106	28	107	61	83	84	51	33	19	17
5	17	27	91	37	106	57	83	80	51	32	19	17
6	17	37	72	49	110	54	75	73	50	31	18	16
7	17	50	67	51	106	51	75	72	49	30	18	16
8	20	41	60	44	93	51	67	71	49	29	17	16
9	19	35	59	40	81	69	153	70	46	28	17	16
10	17	27	54	35	72	92	352	70	44	28	17	15
11	17	26	52	37	79	72	346	69	45	28	16	15
12	17	25	60	33	94	63	186	67	44	27	16	14
13	17	26	175	28	92	58	171	65	44	27	16	14
14	17	45	143	27	76	75	293	63	43	27	16	14
15	22	54	104	28	72	72	412	61	43	27	16	14
16	22	67	75	28	77	70	357	60	43	27	16	13
17	54	106	73	28	92	69	340	60	42	26	16	13
18	58	88	68	28	85	71	398	60	42	25	16	13
19	43	67	57	31	105	72	409	62	42	25	16	13
20	36	61	48	34	106	70	333	64	41	25	16	13
21	28	60	40	37	86	68	241	67	40	24	16	13
22	25	60	37	52	72	63	194	66	39	24	16	13
23	24	71	32	112	70	59	165	62	39	23	16	13
24	21	74	28	232	67	70	154	60	38	22	16	13
25	18	106	25	164	94	100	138	58	38	22	17	13
26	34	111	22	218	73	92	128	57	37	22	17	13
27	28	116	22	158	67	105	118	56	36	22	25	13
28	28	128	21	150	69	178	128	55	35	21	24	12
29	28	156	21	232	71	152	127	54	34	21	22	12
30	28	150	22	236	64	113	133	54	34	21		12
31		137		172	63		115		34	20		12
Total	740	2,049	1,963	2,412	2,769	2,312	6,032	2,029	1,330	817	514	448
Mean	24.7	66.1	65.4	77.8	89.3	77.1	194	67.6	42.9	26.3	17.7	14.4
Max.	58	156	175	236	150	178	412	105	53	34	25	22
Min.	17	22	21	20	63	51	67	54	34	20	16	12
Runoff - MCM.	63.936	177.034	169.603	208.397	239.242	199.757	521.165	175.306	114.912	70.589	44.410	38.707

WATER YEAR 1927 : Max. 412 Min. 12 Mean 64.0 Annual Runoff 2,023.056 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 15	06.00	304.27	412				

WATER YEAR 1928
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank on abutment of bridge.

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

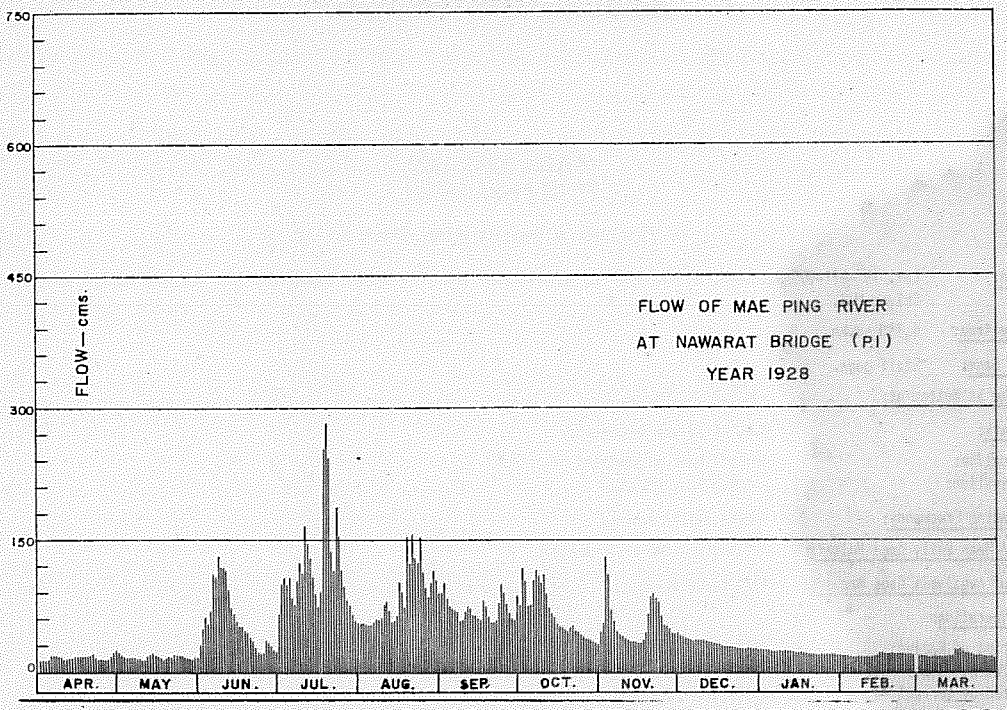
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.50	301.68	301.77	302.23	302.14	302.49	302.33	302.02	301.99	301.78	301.66	301.66
2	.50	.63	302.08	.56	.14	.59	.72	.14	.97	.77	.65	.65
3	.50	.61	.23	.63	.13	.43	.48	.83	.95	.77	.64	.65
4	.50	.61	.11	.57	.11	.35	.33	.43	.94	.76	.63	.64
5	.65	.61	.33	.63	.12	.34	.38	.23	.93	.76	.63	.64
6	301.64	301.61	302.67	302.41	302.14	302.31	302.62	302.13	301.92	301.76	301.63	301.64
7	.63	.61	.63	.33	.20	.27	.71	.03	.93	.76	.63	.64
8	.61	.58	.83	.61	.19	.18	.62	.01	.92	.76	.63	.64
9	.61	.56	.71	.78	.19	.19	.58	301.97	.92	.76	.63	.64
10	.53	.53	.73	.67	.36	.28	.66	.95	.91	.76	.63	.64
11	301.53	301.53	302.63	303.08	302.40	302.36	302.44	301.93	301.90	301.75	301.63	301.64
12	.53	.63	.38	302.93	.30	.33	.33	.81	.89	.75	.63	.64
13	.53	.68	.31	.81	.14	.23	.25	.80	.89	.74	.63	.64
14	.63	.68	.23	.61	.16	.24	.21	.80	.88	.73	.63	.64
15	.63	.66	.13	.47	.23	.21	.13	.89	.87	.72	.72	.77
16	301.63	301.62	302.10	302.34	302.60	302.15	302.11	301.89	301.86	301.72	301.72	301.76
17	.63	.55	.09	.55	.49	.41	.07	.93	.85	.72	.72	.79
18	.63	.53	.03	303.61	.24	.33	.06	302.03	.85	.71	.71	.73
19	.63	.61	302.00	.78	303.01	.22	.04	.33	.84	.71	.71	.71
20	.63	.63	301.96	.03	302.70	.15	.06	.48	.84	.70	.70	.70
21	301.67	301.63	301.86	302.71	303.03	302.14	302.12	302.49	301.84	301.70	301.69	301.68
22	.58	.68	.81	.53	302.72	.20	.04	.42	.83	.69	.69	.66
23	.53	.66	.73	303.23	.71	.41	302.02	.40	.83	.69	.69	.65
24	.53	.66	.71	302.83	303.09	.57	301.98	.13	.82	.69	.68	.65
25	.53	.63	.73	.62	302.63	.42	.94	.12	.81	.68	.68	.65
26	301.51	301.60	301.93	302.53	302.53	302.33	301.93	302.10	301.81	301.68	301.67	301.64
27	.53	.58	.88	.41	.41	.26	.93	.05	.81	.68	.67	.63
28	.63	.56	.83	.37	.58	.19	.92	302.01	.80	.68	.66	.63
29	.73	.58	.75	.22	.71	.14	.91	.01	.80	.67		.62
30	.78	.60	.71	.17	.62	.46	.88	.01	.80	.67		.62
31		.57		.14	.47		.87		.79	.67		.63
Mean	301.59	301.61	302.13	302.66	302.43	302.31	302.21	302.31	301.87	301.72	301.66	301.66
Max.	301.78	301.68	302.83	303.78	303.03	302.59	302.72	302.83	301.99	301.78	301.72	301.79
Min.	301.50	301.53	301.71	302.14	302.11	302.14	301.87	301.89	301.79	301.67	301.63	301.62

WATER YEAR 1928 : Max. 303.78 m. Min. 304.50 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	12	20	25	63	55	90	72	45	42	25	18	18
2	12	17	50	98	55	101	117	55	40	25	18	18
3	12	16	63	106	54	83	88	131	39	25	17	18
4	12	16	52	99	52	74	72	83	38	24	17	17
5	18	16	72	106	53	73	77	63	37	24	17	17
6	17	16	111	81	55	70	105	54	36	24	17	17
7	17	16	106	72	60	67	116	45	37	24	17	17
8	16	15	131	104	59	58	105	44	36	24	17	17
9	16	14	116	124	59	59	100	40	36	24	17	17
10	13	13	118	111	75	67	110	39	35	24	17	17
11	13	13	106	164	80	75	84	37	34	24	17	17
12	13	17	77	144	69	72	72	35	34	24	17	17
13	13	20	70	128	55	63	65	34	34	23	17	17
14	17	20	63	104	57	64	61	34	33	22	17	17
15	17	18	54	87	63	61	54	33	32	22	22	25
16	17	16	51	73	102	56	52	33	31	22	22	24
17	17	14	51	96	90	81	49	37	30	22	22	26
18	17	13	45	250	64	72	48	45	30	21	21	22
19	17	16	43	283	154	62	46	72	29	21	21	21
20	17	17	39	157	114	56	48	88	29	21	21	21
21	19	17	31	116	157	55	53	89	29	21	20	20
22	15	20	27	94	117	60	46	81	28	20	20	18
23	13	18	22	186	116	81	45	79	28	20	20	18
24	13	18	21	131	153	99	41	58	28	20	20	18
25	13	17	22	105	106	82	38	53	27	20	20	18
26	12	16	37	94	94	72	37	51	27	20	19	17
27	13	15	33	81	80	66	37	47	27	20	19	17
28	17	14	28	76	100	59	36	43	27	20	18	17
29	22	15	24	62	116	55	35	43	27	19		16
30	25	16	21	58	105	86	33	43	27	19		16
31		14		55	87		32		26	19		17
Total	465	503	1,709	3,508	2,656	2,119	1,974	1,634	993	683	525	572
Mean	15.5	16.2	57.0	113	85.7	70.6	63.1	54.5	32.0	22.0	18.7	18.4
Max.	25	20	131	283	157	101	117	131	42	25	22	26
Min.	12	13	21	55	52	55	32	33	26	19	17	16
Runoff — mcm.	40.176	43.459	147.658	303.091	229.478	183.082	170.554	141.178	85.795	59.011	45.360	49.421

WATER YEAR 1928 : Max. 283 Min. 12 Mean 47.5 Annual Runoff 1,498.262 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
July 19	06.00	303.78	283				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

H.61

WATER YEAR 1929
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,395 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38.

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

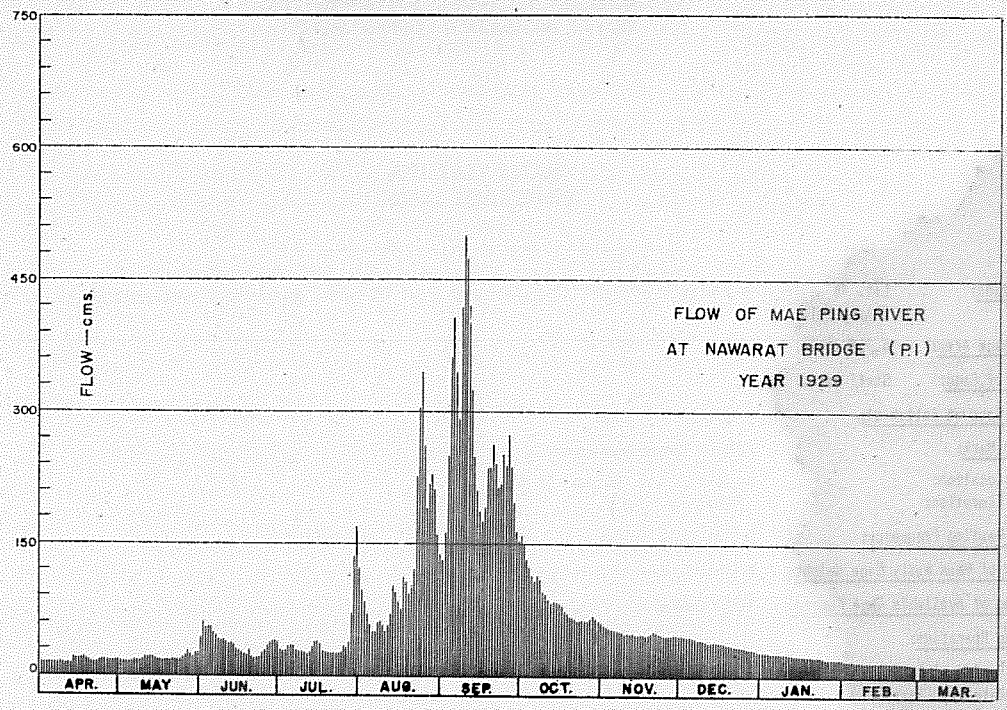
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1936-38. No upstream state diversions except those built by local residents.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.54	301.59	302.20	301.84	302.57	302.83	303.03	302.16	302.03	301.82	301.66	301.55
2	.54	.59	.13	.80	.43	.98	302.92	.14	.02	.81	.65	.54
3	.54	.59	.12	.83	.33	303.39	.80	.13	.01	.81	.65	.54
4	.54	.59	.16	.89	.18	304.06	.73	.12	.01	.81	.64	.54
5	.54	.58	.06	.91	.07	.25	.68	.11	.00	.81	.64	.54
6	301.54	301.63	302.03	301.91	302.06	304.04	302.63	302.10	301.99	301.80	301.63	301.54
7	.54	.63	301.98	.83	.18	308.63	.70	.09	.99	.79	.63	.54
8	.53	.59	.96	.81	.22	304.25	.66	.08	.98	.79	.62	.53
9	.52	.63	.97	.81	.15	.48	.55	.06	.97	.78	.62	.53
10	.51	.68	.94	.78	.06	.39	.50	.06	.96	.78	.62	.53
11	301.51	301.68	301.91	301.75	302.13	304.27	302.46	302.06	301.96	301.77	301.62	301.53
12	.51	.68	.94	.74	.26	303.71	.41	.04	.95	.77	.61	.53
13	.67	.68	.90	.85	.63	.45	.43	.04	.94	.76	.61	.53
14	.66	.68	.85	.93	.53	.33	.43	.03	.93	.76	.61	.53
15	.65	.64	.82	.96	.33	.23	.41	.05	.93	.75	.60	.53
16	301.68	301.62	301.79	301.91	302.37	303.12	301.39	302.04	301.93	301.75	301.60	301.54
17	.69	.62	.76	.83	.70	.27	.34	.04	.92	.74	.60	.55
18	.63	.61	.74	.81	.63	.53	.31	.03	.92	.74	.59	.56
19	.60	.61	.83	.79	.50	.53	.29	.04	.91	.73	.59	.56
20	.56	.61	.71	.78	.58	.67	.25	.08	.91	.73	.62	.55
21	301.56	301.61	301.65	301.79	302.63	303.51	302.24	302.07	301.90	301.72	301.62	301.55
22	.55	.61	.67	.74	303.45	.39	.23	.05	.89	.72	.62	.55
23	.63	.61	.67	.76	.89	.43	.22	.04	.88	.72	.61	.55
24	.63	.61	.77	.79	304.05	.61	.23	.03	.87	.71	.60	.55
25	.62	.68	.80	.88	303.39	.48	.22	.03	.86	.70	.59	.55
26	301.61	301.78	301.90	301.87	303.15	303.73	302.22	302.03	301.85	301.69	301.59	301.55
27	.61	.82	.93	.91	.43	.47	.24	.03	.85	.69	.58	.54
28	.60	.61	.95	302.13	.48	.23	.28	.04	.85	.68	.58	.54
29	.60	.73	.96	.76	.31	.04	.24	.04	.84	.68		.54
30	.60	.80	.93	303.11	302.95	302.98	.22	.03	.83	.68		.54
31		.77		302.72	.88		.20		.82	.68		.54
Mean	301.58	301.65	301.90	301.94	302.69	303.58	302.43	302.06	301.92	301.75	301.61	301.54
Max.	301.69	301.82	302.20	303.11	304.05	304.48	303.03	302.16	302.03	301.82	301.66	301.55
Min.	301.51	301.58	301.65	301.74	302.06	302.83	302.20	302.03	301.82	301.68	301.58	301.54

WATER YEAR 1929 : Max. 304.48 m. Min. 301.51 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	13	15	60	29	99	131	157	57	45	28	18	14
2	13	15	54	27	83	150	143	55	45	27	18	13
3	13	15	53	28	77	212	127	54	44	27	18	13
4	13	15	57	34	58	346	118	53	44	27	17	13
5	13	15	48	35	49	405	112	52	43	27	17	13
6	13	17	45	35	48	341	106	51	42	27	17	13
7	13	17	41	28	58	254	114	51	42	26	17	13
8	13	15	39	27	62	405	110	50	41	26	16	13
9	13	17	40	27	56	498	96	48	40	25	16	13
10	12	20	38	25	48	458	91	48	39	25	16	13
11	12	20	35	24	54	412	86	48	39	25	16	13
12	12	20	38	23	66	269	81	46	39	25	16	13
13	19	20	34	30	106	222	83	46	38	24	16	13
14	18	20	30	37	94	202	83	45	37	24	16	13
15	18	17	28	39	77	186	81	47	37	24	16	13
16	20	16	26	35	76	170	79	46	37	24	16	13
17	20	16	24	28	114	192	73	46	36	23	16	14
18	17	16	23	27	106	236	70	45	36	23	15	14
19	16	16	28	26	91	236	68	46	35	22	15	14
20	14	16	21	25	100	262	65	50	35	22	16	14
21	14	16	18	26	106	232	64	49	34	22	16	14
22	14	16	19	23	222	212	63	47	34	22	16	14
23	17	16	19	24	306	218	62	46	33	22	16	14
24	17	16	25	26	344	250	63	45	32	21	16	14
25	16	20	27	33	212	227	62	45	31	21	15	14
26	16	25	34	32	174	273	62	45	30	20	15	14
27	16	28	37	35	218	225	64	45	30	20	15	13
28	16	16	39	54	227	186	67	46	30	20	15	13
29	16	22	39	121	199	158	64	46	29	20		13
30	16	27	37	168	147	150	62	45	28	20		13
31		25		116	137		60		28	20		13
Total	453	565	1,056	1,247	3,809	7,718	2,636	1,443	1,133	729	452	414
Mean	15.1	18.2	35.2	40.2	123	257	85.0	48.1	36.5	23.5	16.1	13.3
Max.	20	28	60	168	344	498	157	57	45	28	18	14
Min.	12	15	18	23	48	131	60	45	28	20	15	13
Runoff - mcm.	39.139	48.816	91.238	107.741	329.098	666.835	227.750	124.675	97.891	62.986	39.053	35.770

WATER YEAR 1929 : Max. 498 Min. 12 Mean 59.3 Annual Runoff 1,870.992 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 9	06.00	304.48	498				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1930
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, A. Muang Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank on abutment of bridge

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38.

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

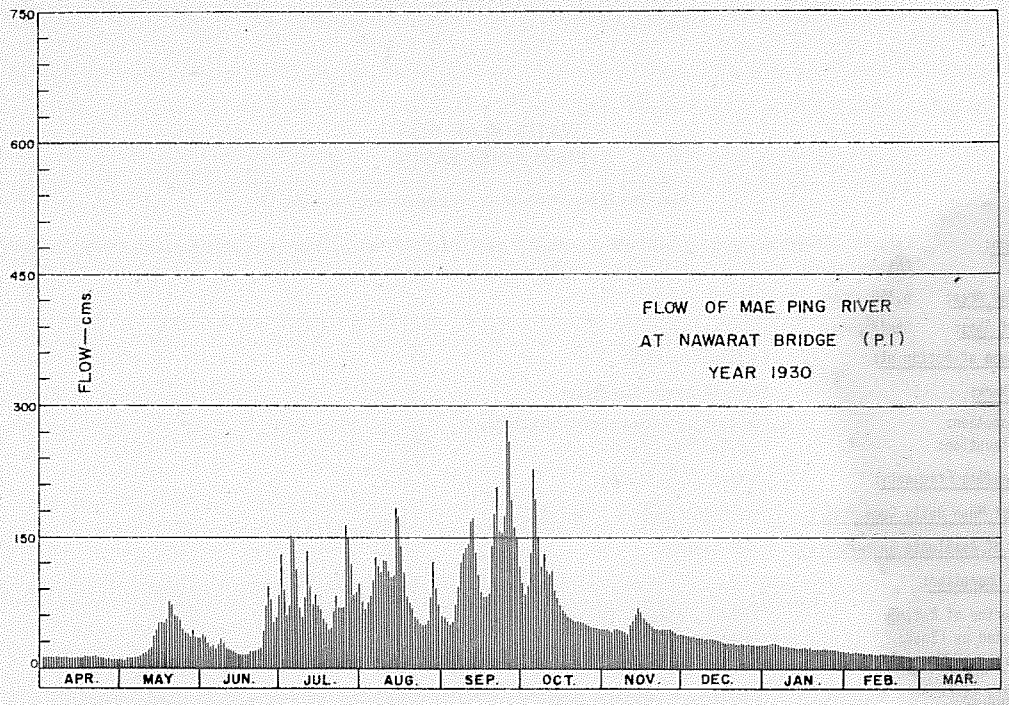
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.54	301.47	301.97	302.82	302.37	302.17	302.55	302.02	301.96	301.79	301.67	301.56
2	.53	.46	.91	.48	.26	.13	.44	.01	.94	.80	.67	.56
3	.53	.53	.83	.23	.35	.10	.48	.00	.93	.80	.66	.55
4	.53	.54	.76	.78	.39	.08	.78	301.99	.92	.83	.66	.55
5	.53	.54	.71	303.00	.57	.23	303.48	302.02	.92	.82	.65	.55
6	301.53	301.55	301.73	302.97	302.80	302.49	303.13	302.03	301.91	301.81	301.65	301.55
7	.53	.55	.83	.63	.73	.71	302.82	.01	.91	.79	.65	.55
8	.53	.55	.91	.35	.63	.82	.63	.00	.89	.78	.64	.54
9	.52	.63	.84	.23	.78	.88	.84	301.98	.88	.77	.64	.54
10	.52	.63	.74	.14	.77	.91	.66	.96	.88	.76	.63	.54
11	301.52	301.73	301.73	302.87	302.66	303.11	302.63	302.10	301.88	301.75	301.62	301.53
12	.52	.73	.71	.53	.60	.13	.67	.13	.88	.75	.62	.53
13	.52	.93	.67	.33	.63	302.83	.51	.21	.87	.75	.62	.52
14	.52	302.03	.63	.45	303.21	.63	.42	.30	.87	.75	.62	.52
15	.53	.12	.62	.34	.08	.45	.33	.23	.86	.75	.61	.52
16	301.53	302.12	301.62	302.31	302.80	302.41	302.28	302.15	301.85	301.74	301.61	301.51
17	.55	.12	.62	.20	.61	.43	.23	.12	.84	.74	.61	.51
18	.55	.13	.61	.12	.43	.42	.20	.10	.84	.73	.60	.51
19	.55	.38	.68	.04	.33	.83	.17	.06	.84	.73	.60	.51
20	.57	.33	.70	.01	.31	303.19	.14	.03	.84	.73	.60	.51
21	301.56	302.21	301.71	302.21	302.21	303.37	301.12	302.02	301.83	301.73	301.59	301.51
22	.54	.19	.71	.43	.15	.01	.13	.00	.83	.72	.58	.51
23	.53	.15	.73	.32	.11	302.98	.12	.01	.83	.72	.58	.51
24	.51	.03	.88	.31	.08	303.13	.11	.02	.83	.72	.57	.51
25	.50	301.98	301.31	.33	.07	.78	.09	.01	.83	.71	.57	.51
26	301.49	301.97	301.53	303.08	302.12	303.53	302.07	302.02	301.82	301.71	301.57	301.51
27	.48	.92	.40	302.93	.43	.03	.06	301.99	.81	.71	.56	.50
28	.48	302.01	.12	.60	.78	.06	.05	.97	.80	.70	.56	.50
29	.48	301.93	.04	.40	.47	302.93	.04	.95	.80	.69		.50
30	.47	.91	.45	.48	.33	.68	.04	.97	.80	.69		.50
31		.91		.56	.21		.03		.80	.68		.50
Mean	301.52	301.88	301.86	302.45	302.49	302.78	302.39	302.05	301.86	301.75	301.61	301.52
Max.	301.57	302.38	302.53	303.08	303.21	303.78	303.48	302.30	301.96	301.83	301.67	301.56
Min.	301.47	301.46	301.61	302.01	302.07	302.08	302.03	301.95	301.80	301.68	301.56	301.50

WATER YEAR 1930 : Max. 303.78 m. Min. 301.46 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	13	11	40	130	76	58	96	45	39	26	19	14
2	13	10	35	88	66	54	84	44	38	27	19	14
3	13	13	28	63	74	51	88	43	37	27	18	13
4	13	13	24	58	79	50	124	42	36	28	18	14
5	13	13	21	153	99	63	227	45	36	28	18	14
6	13	14	22	149	127	90	171	45	35	27	18	14
7	13	14	28	106	118	116	130	44	35	26	18	14
8	13	14	35	74	106	130	106	43	34	25	17	13
9	13	17	29	63	124	137	132	41	33	25	17	13
10	13	17	23	55	123	141	110	39	33	24	17	13
11	13	22	22	136	110	168	106	51	33	24	16	13
12	13	22	21	94	102	171	111	54	33	24	16	13
13	13	37	19	72	106	131	92	61	32	24	16	13
14	13	45	17	85	183	106	82	69	32	24	16	13
15	13	53	16	73	164	85	72	63	31	24	16	13
16	13	53	16	70	127	81	67	56	30	23	16	12
17	14	53	16	60	104	83	63	53	29	23	16	12
18	14	54	16	53	83	82	60	51	29	22	16	12
19	14	77	20	46	72	131	58	48	29	22	16	12
20	14	72	21	44	70	180	55	45	29	22	16	12
21	14	61	21	61	61	208	53	45	28	22	15	12
22	13	59	21	83	56	154	54	43	28	22	15	12
23	13	56	22	71	52	150	53	44	28	22	15	12
24	12	45	33	70	50	171	52	45	28	22	14	12
25	12	41	70	72	49	283	51	44	28	21	14	12
26	12	40	94	164	53	236	49	45	28	21	14	12
27	11	36	80	144	83	157	48	42	27	21	14	12
28	11	44	53	102	124	161	47	40	27	21	14	12
29	11	37	46	80	87	144	46	39	27	20		12
30	11	35	85	88	72	112	46	40	27	20		12
31		35		98	61		45		27	20		12
Total	384	1,113	994	2,705	2,861	3,884	2,578	1,409	966	727	454	393
Mean	12.8	35.9	33.1	87.2	92.3	129	83.2	47.0	31.2	23.4	16.2	12.7
Max.	14	77	94	164	183	283	227	69	39	28	19	14
Min.	11	10	16	44	49	50	45	39	27	20	14	12
Runoff - mcm.	33.178	96.163	85.882	233.712	247.190	335.578	222.739	121.738	83.462	62.813	39.226	33.955

WATER YEAR 1930 : Max. 283 Min. 10 Mean 50.6 Annual Runoff 1,595.635 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 25	06.00	303.78	283				

WATER YEAR 1931
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, A. Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38.

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

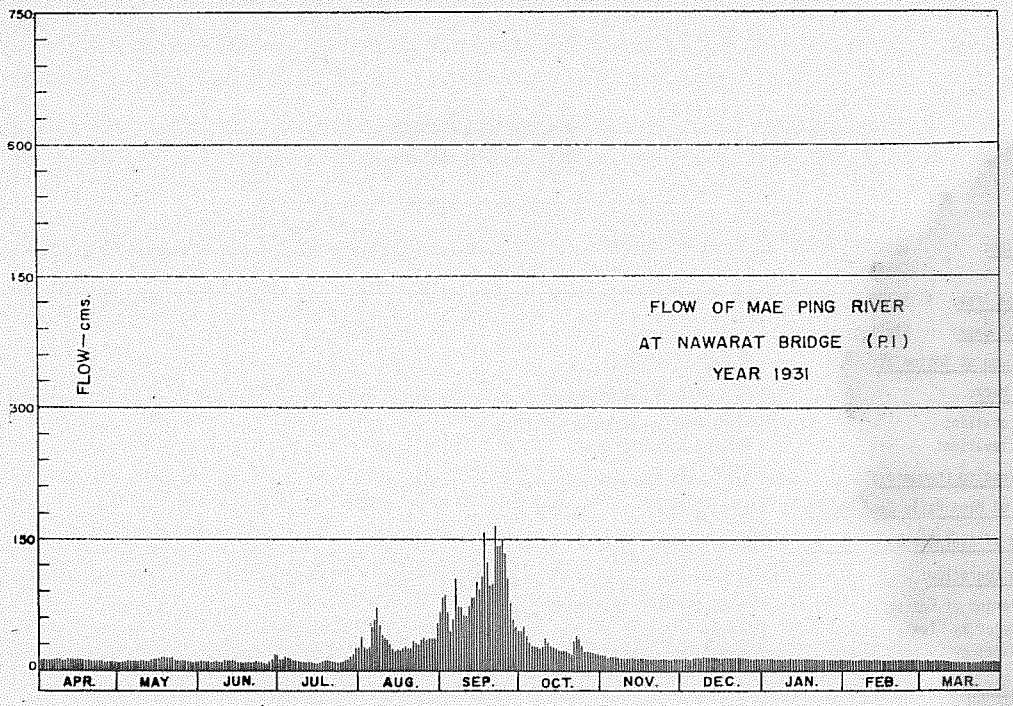
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.50	301.45	301.48	301.53	301.96	302.43	302.04	301.63	301.53	301.54	301.50	301.50
2	.50	.46	.48	.57	.83	.46	.09	.62	.53	.54	.50	.49
3	.50	.47	.46	.63	.75	.22	301.94	.56	.53	.54	.50	.49
4	.50	.47	.47	.58	.73	.03	.88	.61	.54	.54	.50	.48
5	.50	.47	.46	.53	302.08	.13	.83	.60	.56	.54	.50	.48
6	301.51	301.47	301.45	301.51	302.16	302.62	301.80	301.60	301.55	301.54	301.50	301.47
7	.52	.47	.47	.48	.33	.33	.79	.60	.55	.53	.50	.47
8	.52	.48	.46	.45	.13	.34	.77	.58	.54	.53	.50	.47
9	.51	.49	.44	.46	301.98	.23	.83	.58	.58	.53	.50	.46
10	.51	.48	.53	.45	.93	.21	.93	.57	.58	.53	.50	.46
11	301.51	301.47	301.52	301.44	301.91	302.33	301.86	301.56	301.58	301.53	301.50	301.46
12	.50	.47	.51	.43	.83	.43	.83	.56	.58	.53	.50	.45
13	.50	.51	.49	.42	.78	.41	.79	.55	.58	.53	.50	.45
14	.49	.52	.48	.41	.73	.59	.75	.55	.57	.52	.50	.45
15	.49	.52	.46	.41	.75	.51	.73	.55	.57	.52	.50	.45
16	301.49	301.58	301.44	301.42	301.74	302.47	301.73	301.55	301.57	301.52	301.50	301.45
17	.49	.59	.43	.43	.81	303.03	.72	.54	.57	.52	.50	.45
18	.49	.59	.44	.50	.82	302.71	.73	.53	.56	.52	.50	.45
19	.49	.58	.43	.51	.78	.53	.69	.53	.56	.52	.50	.44
20	.49	.59	.45	.48	.78	.41	.63	.53	.56	.51	.50	.44
21	301.48	301.59	301.46	301.46	301.91	303.08	301.90	301.53	301.56	301.51	301.50	301.44
22	.48	.53	.48	.44	.86	302.87	.97	.53	.56	.51	.50	.44
23	.48	.51	.43	.45	.85	.93	.92	.53	.56	.51	.50	.44
24	.47	.51	.43	.44	.91	.98	.73	.53	.55	.51	.50	.47
25	.46	.51	.42	.43	.95	.75	.71	.53	.55	.51	.50	.46
26	301.45	301.50	301.41	301.53	301.91	302.51	301.72	301.53	301.55	301.51	301.50	301.46
27	.45	.48	.45	.52	.82	.29	.71	.53	.55	.50	.50	.47
28	.44	.46	.53	.61	.81	.14	.69	.53	.54	.50	.50	.47
29	.44	.46	.67	.70	.88	.07	.69	.53	.54	.50	.50	.46
30	.44	.47	.63	.75	302.13	.03	.67	.53	.54	.50		.46
31	.44	.47		.73	.26		.66		.54	.50		.46
Mean	301.49	301.50	301.47	301.51	301.91	302.47	301.80	301.56	301.55	301.52	301.50	301.46
Max.	301.52	301.59	301.67	301.75	301.26	303.08	302.09	301.63	301.58	301.54	301.50	301.50
Min.	301.44	301.45	301.41	301.41	301.73	302.03	301.66	301.53	301.53	301.50	301.50	301.44

WATER YEAR 1931 : Max. 303.08 m. Min. 301.41 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	12	10	11	13	39	83	46	17	13	13	12	12
2	12	10	11	14	28	86	51	16	13	13	12	12
3	12	11	10	17	24	62	38	14	13	13	12	12
4	12	11	11	15	22	45	33	16	13	13	12	11
5	12	11	10	13	50	54	28	16	14	13	12	11
6	12	11	10	12	57	105	27	16	14	13	12	11
7	13	11	11	11	72	72	26	16	14	13	12	11
8	13	11	10	10	54	73	25	15	13	13	12	11
9	12	12	9.85	10	41	63	28	15	15	13	12	10
10	12	11	13	10	37	61	37	14	15	13	12	10
11	12	11	13	9.85	35	72	31	14	15	13	12	10
12	12	11	12	9.50	28	83	28	14	15	13	12	10
13	12	12	12	9.15	25	81	26	14	15	13	12	10
14	12	13	11	8.80	22	101	24	14	14	13	12	10
15	12	13	10	8.80	24	92	22	14	14	13	12	10
16	12	15	9.85	9.15	23	87	22	14	14	13	12	10
17	12	15	9.85	9.50	27	157	22	13	14	13	12	10
18	12	15	9.85	12	28	116	22	13	14	13	12	10
19	12	15	9.85	12	25	94	20	13	14	13	12	9.85
20	12	15	10	11	25	81	17	13	14	12	12	9.85
21	11	15	10	10	35	164	34	13	14	12	12	9.85
22	11	13	11	9.85	31	136	40	13	14	12	12	9.85
23	11	12	9.50	10	30	144	36	13	14	12	12	9.85
24	11	12	9.50	9.85	35	150	22	13	14	12	12	11
25	10	12	9.15	9.50	39	121	21	13	14	12	12	10
26	10	12	8.80	13	35	92	22	13	14	12	12	10
27	10	11	10	13	28	68	21	13	14	12	12	11
28	9.85	10	13	16	27	55	20	13	13	12	12	11
29	9.85	10	19	21	33	49	20	13	13	12	12	10
30	9.85	11	17	24	54	45	19	13	13	12		10
31		11		22	66		18		13	12		10
Total	345.55	373	331.20	382.95	1,099	2,692	846	421	430	391	348	323.25
Mean	11.5	12.0	11.0	12.3	35.4	89.7	27.3	14.0	13.9	12.6	12.0	10.4
Max.	13	15	19	24	66	164	51	17	15	13	12	12
Min.	9.85	10	8.80	8.80	22	45	18	13	13	12	12	9.85
Runoff - mcm.	29.855	32.227	28.616	33.087	94.954	232.589	73.094	36.374	37.152	33.782	30.067	27.929

WATER YEAR 1931 : Max. 164 Min. 8.80 Mean 21.8 Annual Runoff 689.727 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 21	06.00	303.08	164				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

H.61

WATER YEAR 1932
PING RIVER BASIN

Mae Ping River at Nawarath Bridge,Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, A. Muang, Chiang Mai.

Drinage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank on abutment of bridge.

Elevation: + 306.875 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Avalable Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.

Rated by Float: 1936-38.

Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

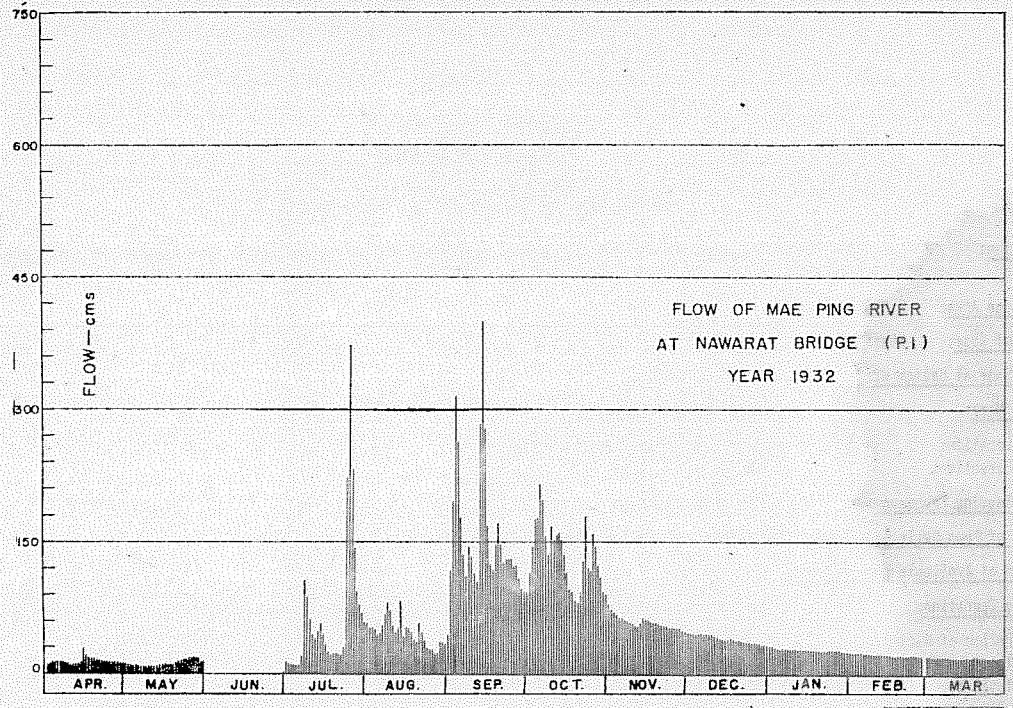
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No gage-height record for June 1-30.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.46	301.46		301.54	302.16	302.06	302.51	302.37	302.04	301.86	301.76	301.67
2	.46	.45		.48	.11	.82	.73	.33	.03	.85	.76	.67
3	.51	.43		.44	.12	303.36	.98	.31	.03	.84	.75	.66
4	.50	.41		.43	.10	.93	303.16	.28	.03	.83	.75	.66
5	.52	.42		.42	.03	.36	.18	.23	.02	.83	.74	.66
6	301.52	301.41		301.42	302.03	302.95	303.40	302.22	302.02	301.83	301.74	301.66
7	.52	.41		.60	.13	.67	.23	.21	.02	.83	.74	.65
8	.50	.41		302.64	.33	.63	302.92	.20	.01	.83	.73	.65
9	.47	.41		.46	.41	.93	.83	.18	.01	.82	.73	.65
10	.44	.41		.20	.28	.83	803.10	.16	.00	.82	.73	.64
11	301.44	301.40		302.00	302.13	302.62	302.98	302.13	301.99	301.82	301.73	301.64
12	.44	.40		301.97	.04	.62	303.03	.12	.98	.81	.72	.64
13	.45	.40		302.02	.11	303.82	.05	.18	.97	.80	.72	.64
14	.53	.46		.20	.43	304.23	302.98	.23	.96	.80	.72	.64
15	.83	.46		.03	301.96	303.33	.79	.21	.96	.80	.71	.64
16	301.83	301.45		501.91	302.12	302.93	302.63	302.20	301.95	301.79	301.71	301.64
17	.63	.45		.78	.11	.71	.53	.18	.95	.79	.70	.64
18	.63	.44		.73	.03	.73	.51	.17	.95	.79	.70	.66
19	.63	.44		.74	301.92	.96	.43	.16	.93	.79	.70	.65
20	.58	.50		.74	.90	303.13	.39	.15	.93	.79	.70	.65
21	301.57	301.53		301.73	302.18	302.93	302.51	302.14	301.93	301.79	301.69	301.64
22	.56	.61		.72	.03	.73	.83	.13	.92	.79	.69	.64
23	.53	.61		.81	301.93	.83	303.18	.12	.92	.79	.69	.63
24	.52	.63		302.76	.83	.82	302.73	.11	.91	.79	.69	.63
25	.52	.63		303.94	.81	.83	.71	.11	.90	.79	.69	.63
26	301.51	301.66		304.15	301.80	302.73	303.03	302.11	301.89	301.79	301.68	301.63
27	.50	.66		303.07	.73	.77	302.88	.10	.89	.79	.67	.63
28	.50	.65		302.53	.74	.62	.73	.09	.88	.79	.67	.63
29	.50	.63		.38	.93	.53	.62	.07	.88	.78		.63
30	.48	.52		.31	.92	.53	.51	.05	.87	.78		.63
31		.52		.18	.88		.49		.87	.77		.63
Mean	301.54	301.49		302.11	302.04	302.93	302.82	302.17	301.96	301.80	301.71	301.64
Max.	301.83	301.66		304.15	302.43	304.23	303.40	302.37	302.04	301.86	301.76	301.67
Min.	301.44	301.40		301.42	301.73	302.06	302.39	302.05	301.87	301.77	301.67	301.63

WATER YEAR 1932 : Max. 304.23 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	10	10		13	57	48	92	76	46	31	24	19
2	10	10		11	52	130	118	72	45	30	24	19
3	12	9.50		9.85	53	207	150	70	45	29	24	18
4	12	8.80		9.85	51	314	175	67	45	28	24	18
5	13	9.15		9.15	45	207	178	63	45	28	23	18
6	13	8.80		9.15	45	147	213	62	45	28	23	18
7	13	8.80		16	54	111	186	61	45	28	23	18
8	12	8.80		107	72	106	143	60	44	28	22	18
9	11	8.80		86	81	144	131	58	44	28	22	18
10	9.85	8.80		60	67	131	167	57	43	28	22	17
11	9.85	8.45		43	54	105	150	54	42	28	22	17
12	9.85	8.45		40	46	105	157	53	41	27	22	17
13	10	8.45		45	52	291	160	58	40	27	22	17
14	13	10		60	83	398	150	63	39	27	22	17
15	28	10		45	39	202	126	61	39	27	21	17
16	28	10		35	53	144	106	60	39	26	21	17
17	17	10		25	52	116	94	58	39	25	21	17
18	17	9.85		22	45	118	92	58	39	26	21	18
19	17	9.85		23	36	148	83	57	37	26	21	18
20	15	12		23	34	171	79	56	37	26	21	18
21	14	13		22	58	144	92	55	37	26	20	17
22	14	16		22	45	118	131	54	36	26	20	17
23	13	16		27	37	131	178	53	36	26	20	17
24	13	17		122	28	130	118	52	35	26	20	17
25	13	17		316	27	131	116	52	34	26	20	17
26	12	18		372	27	118	157	52	34	26	20	17
27	12	18		163	22	123	137	51	34	26	19	17
28	12	18		94	23	105	118	51	33	26	19	17
29	12	17		77	37	94	105	49	33	25		17
30	11	13		70	36	94	92	47	32	25		17
31		13		58	33		90		32	25		17
Total	406.55	364.50		2,035	1,444	4,531	4,084	1,740	1,215	835	603	541
Mean	13.5	11.7		65.6	46.6	151	132	58.0	39.2	26.9	21.5	17.4
Max.	28	18		372	83	398	213	76	46	31	24	19
Min.	9.85	8.45		9.15	22	48	79	47	32	25	19	17
Runoff - mcm.	35.126	31.493		175.824	124.762	391.478	352.858	150.336	104.976	72.144	52.099	46.742

WATER YEAR 1932 : Max. 398 Min. 8.45 Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 14	06.00	304.23	398				

WATER YEAR 1933
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

Location: on left bank at abutment of bridge.
Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

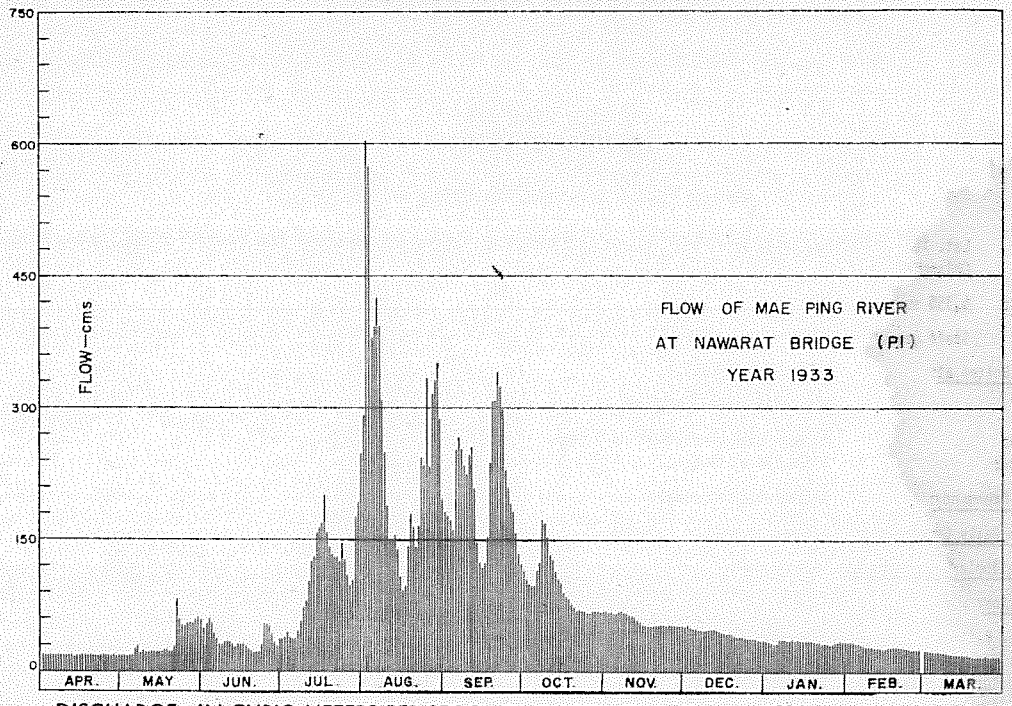
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.63	301.63	302.05	301.92	303.83	303.11	302.70	302.27	302.09	301.89	301.88	301.74
2	.63	.63	.11	.95	304.63	302.86	.61	.26	.08	.88	.87	.73
3	.63	.63	.19	302.01	.57	.85	.56	.25	.06	.86	.87	.72
4	.63	.63	.12	301.93	.13	.83	.55	.25	.05	.85	.86	.71
5	.63	.63	301.95	.92	.22	303.59	.78	.25	.05	.85	.86	.71
6	301.63	301.73	301.91	301.94	304.30	303.68	302.70	302.26	302.04	301.92	301.85	301.70
7	.63	.83	.84	302.03	.20	.60	.71	.28	.04	.91	.83	.69
8	.63	.63	.83	.13	303.74	.50	303.13	.26	.04	.91	.82	.69
9	.63	.74	.88	.32	.52	.43	.11	.25	.04	.90	.81	.68
10	.63	.73	.90	.38	.16	.58	302.96	.23	.05	.90	.81	.68
11	301.63	301.73	301.88	302.56	302.93	303.63	302.77	302.23	302.05	301.89	301.80	301.67
12	.63	.73	.84	.78	.96	.19	.79	.21	.05	.89	.79	.66
13	.62	.72	.79	.80	303.01	302.93	.64	.17	.05	.91	.78	.66
14	.62	.72	.85	303.00	302.79	.76	.61	.14	302.02	.90	.78	.66
15	.63	.72	.84	.08	.58	.71	.56	.11	.01	.90	.78	.65
16	301.63	301.71	301.86	303.03	302.49	302.74	302.47	302.11	302.00	301.89	301.79	301.64
17	.63	.76	.82	.31	.54	.89	.43	.10	301.99	.89	.80	.63
18	.63	.77	.78	.01	.98	303.46	.41	.10	.98	.88	.80	.63
19	.63	.73	.73	302.88	303.18	.89	.36	.10	.97	.87	.80	.62
20	.63	.73	.69	.83	302.96	.90	.32	.10	.96	.87	.79	.61
21	301.63	301.83	301.72	302.81	302.86	304.04	302.25	302.10	301.96	301.86	301.79	301.61
22	.63	302.41	.71	.82	303.17	303.91	.31	.11	.96	.86	.79	.61
23	.63	.13	.72	.76	.65	.84	.29	.11	.95	.85	.78	.61
24	.63	.11	302.13	.93	.38	.46	.27	.11	.94	.85	.77	.61
25	.63	.11	.11	.73	304.01	.33	.26	.11	.93	.85	.76	.60
26	301.63	302.13	302.10	302.63	303.41	303.23	302.25	302.11	301.93	301.86	301.76	301.60
27	.63	.13	301.98	.53	.94	.18	.27	.11	.93	.87	.75	.60
28	.63	.13	.87	.48	304.00	302.91	.27	.10	.92	.88	.75	.60
29	.63	.20	.83	303.18	.07	.85	.26	.10	.91	.89		.60
30	.63	.22	.93	.21	303.65	.76	.26	.10	.91	.89		.60
31		.18		.63	.23		.27		.90	.88		.60
Mean	301.63	301.86	301.90	302.63	303.48	303.29	302.52	302.17	301.99	301.88	301.80	301.65
Max.	301.63	302.41	302.19	303.63	304.63	304.04	303.13	302.28	302.09	301.92	301.88	301.74
Min.	301.62	301.63	301.69	301.92	302.49	302.71	302.25	302.10	301.90	301.85	301.75	301.60

WATER YEAR 1933 : Max. 304.63 m. Min. 301.60 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	17	17	47	36	293	168	114	67	51	34	33	23
2	17	17	52	39	602	135	104	66	50	33	32	22
3	17	17	59	44	554	134	98	65	48	31	32	22
4	17	17	53	37	366	131	96	65	47	30	31	21
5	17	17	59	36	395	247	124	65	47	30	31	21
6	17	22	35	38	423	264	114	66	46	36	30	21
7	17	28	29	45	388	249	116	67	46	35	28	20
8	17	17	28	54	275	231	171	66	46	35	28	20
9	17	23	33	71	234	218	168	65	46	34	27	20
10	17	22	34	77	175	245	148	63	47	34	27	20
11	17	22	33	98	144	254	123	63	47	34	27	19
12	17	22	29	124	148	180	126	61	47	34	26	18
13	16	22	26	127	154	144	107	58	47	35	25	18
14	16	22	30	153	126	122	104	55	45	34	25	18
15	17	22	29	164	100	116	98	52	44	34	25	18
16	17	21	31	157	90	119	87	52	43	34	26	17
17	17	24	28	199	95	139	83	51	42	34	27	17
18	17	25	25	154	150	223	81	51	41	33	27	17
19	17	22	22	137	178	306	75	51	40	32	27	16
20	17	22	20	131	148	308	71	51	39	32	26	16
21	17	28	22	128	135	341	65	51	39	31	26	16
22	17	81	21	130	177	310	70	52	39	31	26	16
23	17	54	22	122	258	295	68	52	39	30	25	16
24	17	52	54	144	202	223	67	52	38	30	25	16
25	17	52	52	118	333	202	66	52	37	30	24	16
26	17	54	51	106	215	186	65	52	37	31	24	16
27	17	54	41	94	316	178	67	52	37	32	24	16
28	17	54	32	88	331	141	67	51	36	33	24	16
29	17	60	28	178	349	134	66	51	35	34		16
30	17	62	37	183	258	122	66	51	35	34		16
31		58		254	186		67		34	33		16
Total	508	1,030	1,042	3,466	7,798	6,065	2,942	1,716	1,315	1,017	758	560
Mean	16.9	33.2	34.7	112	251	202	94.9	57.2	42.4	39.8	27.1	18.1
Max.	17	81	59	254	602	341	171	67	51	36	33	23
Min.	16	17	20	36	90	116	65	51	34	30	24	16
Runoff - mcm.	43.891	88.992	90.029	299.462	673.747	524.016	254.189	148.262	113.616	87.869	63.491	48.384

WATER YEAR 1933 : Max. 602 Min. 16 Mean 77.3 Annual Runoff 2,452.118 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 2	06.00	304.63	602				

WATER YEAR 1934
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department.

- Location: on left bank at abutment of bridge.
- Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

- Period of Rating: 1936-38, 1954-60, 1967-cont.
- Rated by Float: 1936-38
- Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

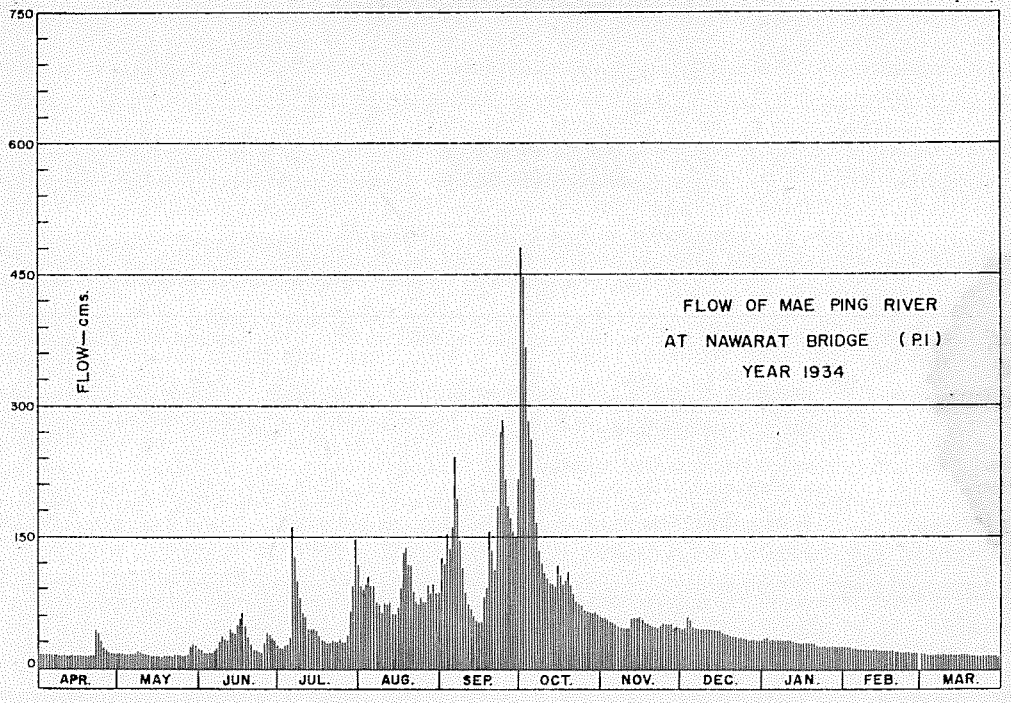
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-1938. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.60	301.61	301.68	301.76	302.53	302.79	304.44	302.17	302.01	301.90	301.75	301.63
2	.59	.60	.64	.74	.48	.70	.33	.15	.03	.89	.75	.62
3	.59	.59	.63	.80	.55	303.00	303.83	.13	.17	.87	.74	.62
4	.58	.59	.62	.79	.61	302.82	.76	.11	.13	.87	.74	.62
5	.58	.61	.63	.88	.53	303.03	.63	.10	.03	.86	.73	.62
6	301.58	301.62	301.68	303.06	302.53	303.56	303.20	302.07	302.02	301.87	301.73	301.61
7	.58	.63	.73	302.68	.36	.11	.00	.05	.01	.87	.73	.61
8	.57	.67	.83	.53	.34	302.82	302.83	.04	.01	.87	.72	.61
9	.57	.64	.92	.36	.21	.63	.71	.03	.01	.86	.72	.62
10	.57	.61	.88	.22	.35	.44	.61	.03	.01	.86	.71	.62
11	301.57	301.60	301.80	302.16	302.34	302.33	302.59	302.04	302.01	301.86	301.71	301.62
12	.57	.58	302.03	.03	.37	.28	.55	.15	.01	.85	.70	.61
13	.56	.57	301.98	.02	.22	.19	.55	.16	.01	.84	.70	.61
14	.56	.56	.94	.02	.21	.13	.51	.18	.00	.83	.70	.60
15	.55	.55	302.07	301.99	.24	.09	.73	.17	.00	.82	.69	.60
16	301.55	301.54	302.17	301.93	302.39	302.11	302.63	302.13	301.97	301.82	301.69	301.60
17	.55	.54	.22	.86	.83	.43	.53	.10	.95	.81	.69	.60
18	.55	.56	.01	.86	.88	.53	.57	.07	.94	.81	.69	.60
19	.54	.55	301.90	.84	.73	303.02	.66	.07	.93	.80	.68	.59
20	.56	.55	.79	.84	.73	302.73	.50	.06	.93	.79	.67	.59
21	301.57	301.54	301.71	301.87	302.46	302.67	302.42	302.05	301.92	301.78	301.67	301.58
22	302.01	.60	.70	.86	.38	303.10	.37	.04	.91	.78	.66	.57
23	301.93	.59	.67	.84	.32	.70	.34	.07	.91	.77	.66	.57
24	.81	.57	.65	.90	.40	.78	.32	.08	.90	.77	.66	.56
25	.73	.54	.83	.85	.37	.37	.26	.08	.89	.77	.65	.56
26	301.68	301.56	301.99	301.83	302.36	303.23	302.23	302.08	301.88	301.77	301.65	301.55
27	.64	.59	.95	.93	.52	.12	.22	.07	.88	.78	.65	.55
28	.63	.78	.91	302.19	.43	.00	.22	.03	.88	.79	.63	.55
29	.62	.83	.87	.48	.55	302.91	.23	.05	.87	.77		.54
30	.62	.78	.78	.96	.45	303.48	.21	.02	.87	.77		.54
31		.73		.73	.44		.17		.87	.76		.54
Mean	301.62	301.61	301.84	302.09	302.45	302.84	302.75	302.09	301.97	301.82	301.69	301.59
Max.	302.01	301.83	302.22	303.06	302.88	303.78	304.44	302.18	302.17	301.90	301.75	301.63
Min.	301.54	301.54	301.62	301.74	302.21	302.09	302.17	302.02	301.87	301.76	301.63	301.54

WATER YEAR 1934 : Max. 304.44 m. Min. 301.54 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	16	16	20	24	94	126	479	59	44	34	24	17
2	15	16	17	23	88	114	434	56	45	34	24	16
3	15	15	17	27	96	153	293	54	58	32	23	16
4	15	15	16	26	104	130	279	52	54	32	23	16
5	15	16	17	33	94	157	254	51	45	31	22	16
6	15	16	20	161	94	241	181	49	45	32	22	16
7	15	17	22	112	75	168	153	47	44	32	22	16
8	14	19	28	94	73	130	131	46	44	32	22	16
9	14	17	36	75	61	106	116	45	44	31	22	16
10	14	16	33	62	74	84	104	45	44	31	21	16
11	14	16	27	57	73	72	101	46	44	31	21	16
12	14	15	45	45	76	67	96	56	44	30	21	16
13	14	14	41	45	62	59	96	57	44	29	21	16
14	14	14	38	45	61	54	92	58	43	28	21	16
15	14	14	49	42	64	51	118	58	43	28	20	16
16	14	13	58	37	79	52	106	54	40	28	20	16
17	14	13	62	31	131	83	94	51	39	27	20	16
18	14	14	44	31	137	94	99	49	38	27	20	16
19	13	14	34	29	118	156	110	49	37	27	20	15
20	14	14	26	29	118	118	91	48	37	26	19	15
21	14	13	21	32	86	111	82	47	36	25	19	15
22	44	16	21	31	77	167	76	46	35	25	18	14
23	37	15	19	29	71	267	73	49	35	25	18	14
24	27	14	18	34	80	283	71	50	34	25	18	14
25	22	13	28	30	76	208	66	50	34	25	18	14
26	20	14	42	28	75	186	63	50	33	25	18	14
27	17	15	39	37	93	170	62	50	33	25	18	14
28	17	25	35	59	83	153	62	45	33	26	17	14
29	16	28	32	88	96	141	63	47	31	25		13
30	16	25	25	148	85	227	61	45	31	25		13
31		22		118	84		58		31	24		13
Total	517	504	930	1,662	2,678	4,128	4,164	1,508	1,245	877	572	471
Mean	17.2	16.2	31.0	53.6	86.4	138	134	50.3	40.1	28.3	20.4	15.2
Max.	44	28	62	161	137	283	479	58	58	34	24	17
Min.	13	13	16	23	61	51	58	45	31	24	17	13
Runoff - MCM.	44.669	43.546	803.352	143.597	231.379	356.659	359.770	130.291	107.568	75.773	49.421	40.694

WATER YEAR 1934 : Max. 479 Min. 13 Mean 52.7 Annual Runoff 1,663.718 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 1	06.00	304.44	479				

WATER YEAR 1935
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

- **Location:** on left bank at abutment of bridge.
- **Elevation:** + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

- **Period of Rating:** 1936-38, 1954-60, 1967-cont.
- **Rated by Float:** 1936-38
- **Rated by Current Meter:** 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

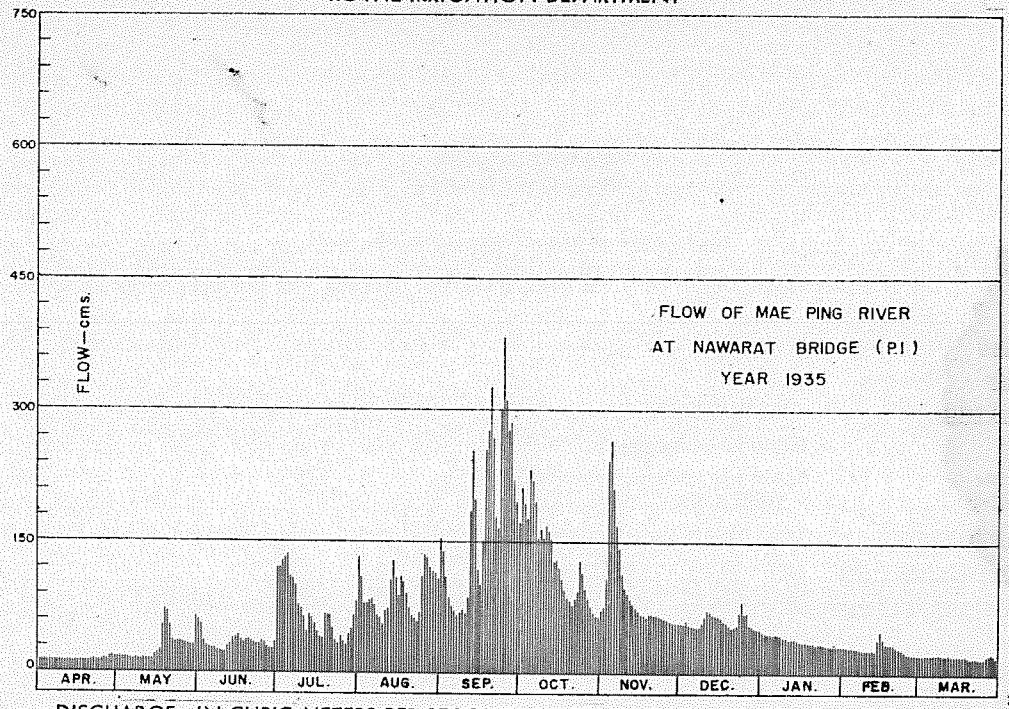
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-38. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.54	301.64	302.18	302.75	302.84	303.01	303.06	302.33	302.15	302.06	301.87	301.72
2	.54	.62	.13	.76	.48	302.82	.38	.37	.14	.04	.86	.72
3	.54	.61	301.87	.83	.36	.64	.17	.43	.20	.03	.85	.72
4	.53	.60	.85	.85	.40	.46	.15	303.57	.14	.03	.85	.72
5	.53	.59	.84	.87	.43	.33	.51	.68	.13	.03	.84	.72
6	301.52	301.58	301.83	302.63	302.44	302.32	303.43	303.27	302.12	301.03	301.84	301.72
7	.52	.57	.82	.65	.33	.26	.24	.06	.12	.02	.83	.72
8	.52	.60	.78	.53	.23	.29	302.95	302.85	.12	.00	.83	.72
9	.51	.59	.75	.33	.23	.33	303.08	.65	.20	301.99	.83	.71
10	.51	.57	.74	.35	.12	.24	.00	.55	.25	.98	.82	.71
11	301.51	301.60	301.76	302.23	302.33	302.40	303.10	302.48	302.33	301.96	301.82	301.71
12	.51	.59	.86	.03	.27	303.16	.06	.43	.31	.96	.82	.70
13	.50	.58	.88	.28	.63	.63	302.98	.38	.27	.95	.83	.70
14	.50	.57	.96	.23	.81	.06	.78	.34	.26	.94	.97	.69
15	.50	.69	.99	.13	.63	302.73	.81	.31	.25	.93	302.07	.69
16	301.50	301.73	302.01	302.03	302.47	302.50	302.73	302.27	302.24	301.93	301.97	301.69
17	.49	.77	301.94	301.98	.66	303.03	.62	.26	.19	.92	.90	.69
18	.49	302.08	.91	.96	.59	.63	.51	.24	.17	.92	.90	.68
19	.49	.33	.95	302.28	.45	.68	.45	.28	.13	.91	.89	.68
20	.49	.31	.94	.26	.32	.98	.42	.27	.11	.91	.87	.66
21	301.53	302.01	301.91	302.24	302.25	303.61	302.37	302.27	302.11	301.90	301.85	301.66
22	.56	301.92	.90	.03	.23	.03	.45	.23	.12	.89	.84	.66
23	.54	.89	.90	301.92	.16	.06	.51	.24	.27	.89	.79	.64
24	.54	.91	.89	.90	.33	.93	.80	.23	.42	.89	.76	.64
25	.53	.92	.92	.99	.68	304.18	.63	.21	.28	.88	.74	.63
26	301.55	301.90	301.91	301.93	302.86	303.66	302.47	302.21	302.31	301.88	301.74	301.70
27	.57	.88	.84	.86	.83	.76	.43	.18	.13	.87	.73	.70
28	.63	.87	.82	302.03	.71	.79	.35	.17	.12	.87	.73	.74
29	.67	.86	.81	.09	.71	.42	.28	.16	.11	.87	.73	.68
30	.64	.86	.93	.25	.70	.23	.26	.16	.10	.87		.64
31		302.23		.47	.58		.24		.08	.87		.69
Mean	301.53	301.79	301.89	302.28	302.48	303.07	302.78	302.47	302.19	301.94	301.84	301.69
Max.	301.67	302.33	302.18	302.87	302.86	304.18	303.51	303.68	302.42	302.06	302.07	301.74
Min.	301.49	301.57	301.74	301.86	302.12	302.24	302.24	302.16	302.08	301.87	301.75	301.63

WATER YEAR 1935 : Max. 304.18 m. Min. 301.49 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936 /

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	13	17	58	121	132	153	161	72	56	48	32	22
2	13	16	54	122	88	130	210	76	55	46	31	22
3	13	16	32	131	75	107	177	83	60	45	30	22
4	13	16	30	134	80	86	174	243	55	45	30	22
5	13	15	29	136	83	72	232	264	54	45	29	22
6	13	15	28	106	84	71	218	192	53	45	29	22
7	13	14	28	108	72	66	188	161	53	45	28	22
8	13	16	25	94	63	68	147	134	53	43	28	22
9	12	15	24	72	63	72	164	108	60	42	28	21
10	12	14	23	74	53	64	153	96	65	41	28	21
11	12	16	24	63	72	80	167	88	72	39	28	21
12	12	15	31	45	67	175	161	83	70	39	28	21
13	12	15	33	67	106	254	150	77	67	39	28	21
14	12	14	39	63	128	161	124	73	66	38	40	20
15	12	20	42	54	106	118	128	70	65	37	49	20
16	12	22	44	45	87	91	118	67	64	37	40	20
17	12	25	38	41	110	157	105	66	59	36	34	20
18	12	50	35	39	101	254	92	64	58	36	34	20
19	12	72	39	67	85	264	85	67	54	35	34	20
20	12	70	38	66	71	326	82	67	52	35	32	18
21	13	44	35	64	65	250	76	67	52	34	30	18
22	14	36	34	45	63	157	85	65	53	34	29	18
23	13	34	34	36	57	161	92	64	67	34	26	17
24	13	35	34	34	72	314	127	63	82	34	24	17
25	13	36	36	42	112	382	106	61	67	33	23	17
26	14	34	35	37	135	260	87	61	70	33	23	21
27	14	33	29	31	131	279	83	58	54	32	22	21
28	17	32	28	45	116	285	74	58	53	32	22	23
29	19	31	27	51	116	216	67	57	52	32	22	20
30	17	31	37	65	114	186	66	57	51	32		17
31		63		87	100		64		50	32		20
Total	395	882	1,023	2,185	2,807	5,259	3,963	2,762	1,842	1,178	861	628
Mean	13.2	28.4	34.1	70.5	90.5	175	128	92.1	59.4	38.0	29.7	20.2
Max.	19	72	58	136	135	382	232	264	82	48	49	23
Min.	12	14	23	31	53	64	64	57	50	32	22	17
Runoff – mcm.	34.128	76.205	88.387	188.784	242.525	454.378	342.403	238.637	159.149	101.779	74.390	54.259

WATER YEAR 1935 : Max. 382 Min. 12 Mean 65.2 Annual Runoff 2,055.024 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 25	06.00	304.18	382				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1936
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 303.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

Location: on left bank at abutment of bridge.
Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of MeanDaily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1936-38, 1954-60, 1967-cont.
Rated by Float: 1936-38
Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

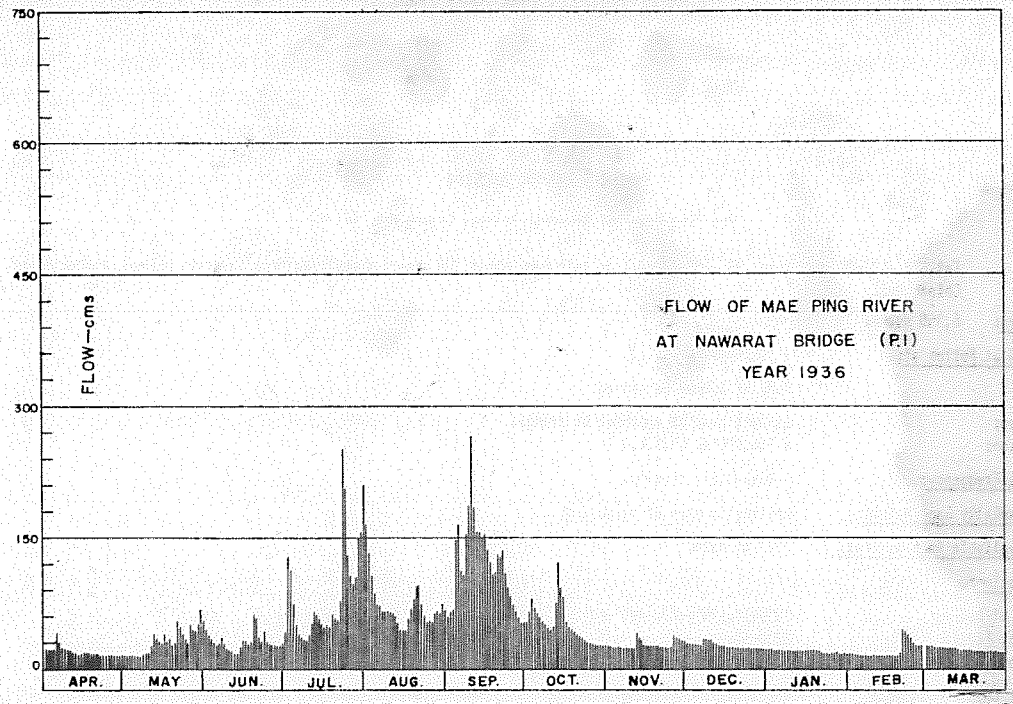
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-1938. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.72	301.58	302.03	302.01	302.96	302.19	302.13	301.79	301.85	301.74	301.64	301.81
2	.72	.58	301.93	.82	.83	.26	.26	.79	.85	.74	.64	.79
3	.73	.58	.89	.69	.63	.23	.40	.78	.84	.73	.63	.79
4	.73	.59	.83	.35	.46	.95	.31	.78	.84	.73	.63	.78
5	.98	.58	.80	.10	.35	303.08	.24	.77	.83	.73	.62	.78
6	301.85	301.57	301.85	301.98	302.34	302.67	302.20	301.77	301.83	301.73	301.62	301.77
7	.76	.57	.93	.94	.33	.62	.15	.77	.91	.73	.62	.77
8	.73	.61	.80	.91	.26	303.01	.09	.76	.91	.73	.62	.76
9	.71	.65	.74	.88	.28	.23	.05	.76	.90	.73	.61	.76
10	.69	.64	.71	.96	.26	.69	.03	.76	.88	.71	.61	.76
11	301.67	301.76	301.68	302.11	302.25	303.21	302.05	301.76	301.86	301.71	301.61	301.75
12	.65	.97	.61	.25	.21	.02	.35	.99	.85	.72	.61	.75
13	.64	.91	.63	.22	.10	.02	.75	.93	.83	.72	.61	.73
14	.63	.87	.78	.16	.02	302.98	.50	.88	.81	.70	.60	.73
15	.63	.81	.88	.09	.00	303.00	.42	.83	.81	.70	.60	.73
16	301.65	301.97	301.87	302.05	302.03	302.87	302.13	301.81	301.79	301.73	301.60	301.72
17	.65	.86	.83	.08	.19	.77	.07	.81	.79	.73	.60	.72
18	.64	.90	.85	.06	.32	.64	.04	.80	.78	.72	.59	.71
19	.63	.80	302.23	.23	.39	.67	.00	.80	.78	.72	.59	.71
20	.63	.73	.19	.16	.53	.83	301.98	.80	.78	.72	.67	.70
21	301.62	302.15	301.93	302.12	302.53	302.81	301.96	301.79	301.77	301.67	302.03	301.70
22	.61	.05	.87	.38	.34	.86	.91	.79	.77	.66	301.99	.69
23	.61	301.97	302.01	303.60	.21	.64	.88	.79	.77	.66	.97	.69
24	.60	.89	301.86	.33	.13	.51	.87	.78	.77	.66	.93	.69
25	.60	.83	.84	302.81	.14	.41	.85	.78	.76	.65	.85	.69
26	301.60	302.10	301.82	302.63	302.12	302.33	301.84	301.95	301.76	301.69	301.83	301.68
27	.60	.03	.81	.55	.24	.26	.83	.93	.75	.69	.81	.68
28	.59	301.98	.79	.60	.27	.21	.82	.91	.75	.66	.81	.67
29	.59	302.10	.79	.98	.23	.13	.81	.89	.75	.66		.67
30	.59	.31	.78	303.02	.35	.11	.80	.87	.74	.65		.67
31		.14		.05	.26		.80		.74	.65		.67
Mean	301.67	301.84	301.85	302.39	302.31	302.71	302.08	301.82	301.81	301.70	301.70	301.73
Max.	301.98	302.31	302.23	303.60	302.96	303.69	302.75	301.99	301.91	301.74	302.03	301.81
Min.	301.59	301.57	301.61	301.88	302.00	302.11	301.80	301.76	301.74	301.65	301.59	301.67

WATER YEAR 1936 : Max. 303.69 m. Min. 301.57 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	22	15	45	44	148	59	54	26	30	23	17	27
2	22	15	37	130	131	66	66	26	30	23	17	26
3	22	15	34	113	106	63	80	25	29	22	17	26
4	22	15	28	74	86	147	70	25	29	22	17	25
5	41	15	27	51	74	164	64	25	28	22	16	25
6	30	14	30	41	73	111	60	25	28	22	16	25
7	24	14	37	38	72	105	56	25	35	22	16	25
8	22	16	27	35	66	154	51	24	35	22	16	24
9	21	18	23	33	67	186	47	24	34	22	15	24
10	20	17	21	39	66	265	45	24	33	21	16	24
11	19	24	20	52	65	183	47	24	31	21	16	24
12	18	40	16	65	61	156	74	42	30	22	16	24
13	17	35	17	62	51	156	121	37	28	22	16	22
14	17	32	25	57	45	150	91	33	27	21	16	22
15	17	27	33	51	43	153	82	28	27	21	16	22
16	18	40	32	47	45	136	54	27	26	22	16	22
17	18	31	28	50	59	123	49	27	26	22	16	22
18	17	34	30	48	71	107	46	27	25	22	15	21
19	17	27	63	63	79	111	43	27	25	22	15	21
20	17	22	59	57	94	131	41	27	25	22	19	21
21	16	56	37	53	94	128	39	26	25	19	45	21
22	16	47	32	77	73	135	35	26	25	18	42	20
23	16	40	44	249	61	107	33	26	25	18	40	20
24	16	34	31	202	54	92	32	25	25	18	37	20
25	16	28	29	128	55	81	30	25	24	18	30	20
26	16	51	28	106	53	72	29	39	24	20	28	20
27	16	45	27	96	64	66	28	37	24	20	27	20
28	15	41	26	102	67	61	28	35	24	18	27	19
29	15	51	26	150	63	54	27	34	24	18		19
30	15	70	25	156	74	52	27	32	23	18		19
31		55		160	66		27		23	18		19
Total	578	984	937	2,629	2,226	3,574	1,576	853	847	641	601	689
Mean	19.3	31.7	31.2	84.8	71.8	119	50.8	28.4	27.3	20.7	21.5	22.2
Max.	41	70	63	249	148	265	121	42	35	23	45	27
Min.	15	14	16	33	43	52	27	24	23	18	15	19
Runoff - MCM.	49.939	85.018	80.957	227.146	192.326	308.794	136.166	73.699	73.181	55.382	51.926	59.530

WATER YEAR 1936 : Max. 265 Min. 14 Mean 44.2 Annual Runoff 1,394.064 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 10	06.00	303.69	265				

WATER YEAR 1937
PING RIVER BASIN

Mae Ping River at Nawarath Bridge, Chiang Mai (P. 1)

Location: Lat. 18°-47'-09" N., Long. 99°-00'-29" E., on left bank about 100 meters downstream from Nawarath Bridge, Amphoe Muang, Chiang Mai.

Drainage Area: 6,355 sq.km.

Type of Gage at Bottom at: + 304.83 m. (M.S.L.)

Bench Mark: B.M. of Survey Department

- Location: on left bank at abutment of bridge.
- Elevation: + 306.876 m. (M.S.L.)

Gage Reading Frequency: 1-time daily reading.

Basis of MeanDaily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1921 to date.

Rating Operation:

- Period of Rating: 1936-38, 1954-60, 1967-cont.
- Rated by Float: 1936-38
- Rated by Current Meter: 1954-60, 1967-cont.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

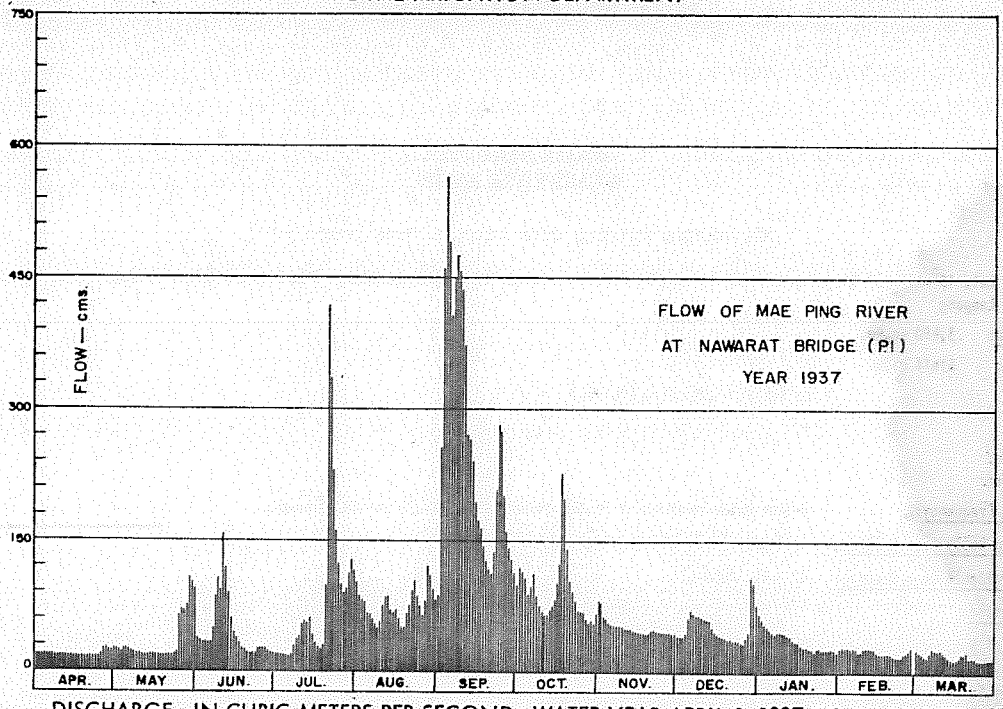
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1936-1938. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	301.66	301.77	301.93	301.69	302.53	302.33	302.55	302.41	301.97	302.26	301.82	301.78
2	.66	.75	.91	.69	.43	303.31	.73	.27	.97	.17	.81	.70
3	.66	.71	.89	.67	.41	304.33	.67	.21	.95	.11	.81	.70
4	.65	.81	.87	.67	.39	.49	.63	.17	302.01	.08	.82	.65
5	.65	.77	.87	.65	.23	.45	.45	.13	.23	.05	.77	.61
6	301.65	301.75	301.89	301.65	302.25	304.21	302.53	302.13	302.31	301.98	301.81	301.73
7	.65	.73	.89	.69	.19	.35	.59	.11	.25	302.01	.81	.81
8	.64	.71	302.43	.87	.13	.43	.45	.11	.23	.02	.73	.78
9	.64	.71	.63	.93	.09	.37	.39	.09	.23	.02	.74	.77
10	.64	.69	.49	.97	.17	.31	.29	.09	.21	.03	.81	.78
11	301.63	301.67	303.03	302.15	302.37	303.93	302.25	302.07	302.19	302.00	301.83	301.72
12	.63	.67	302.71	.19	.43	.71	.21	.07	.19	301.98	.80	.66
13	.63	.65	.43	.13	.45	.67	.31	.05	.17	.98	.79	.61
14	.63	.69	.17	.21	.25	.43	.35	.03	.05	.90	.77	.57
15	.62	.67	.01	301.98	.27	.19	.41	.03	.01	.89	.73	.57
16	301.62	301.57	301.95	301.87	302.31	303.13	302.57	302.01	301.99	301.87	301.70	301.52
17	.62	.65	.85	.82	.19	.07	.83	.01	.97	.83	.70	.59
18	.61	.65	.81	.77	.09	302.85	303.47	.01	.95	.83	.73	.71
19	.61	.65	.79	.86	.05	.77	.07	301.99	.95	.83	.70	.69
20	.61	.64	.73	.86	.25	.73	302.71	.99	.93	.78	.70	.73
21	301.61	301.64	301.69	304.28	302.33	302.65	302.55	302.05	301.93	301.78	301.63	301.59
22	.60	.63	.71	303.80	.50	.83	.49	.05	.91	.72	.63	.62
23	.60	.67	.69	.23	.61	303.23	.39	.03	.89	.81	.63	.64
24	.60	.73	.79	302.91	.43	.77	.31	.03	.89	.80	.62	.52
25	.66	302.23	.81	.72	.35	.73	.27	.01	.87	.78	.71	.53
26	301.76	302.83	301.83	302.53	302.19	303.13	302.27	302.01	301.87	301.78	301.72	301.53
27	.83	.29	.79	.46	302.41	302.93	.19	.01	.96	.78	.78	.53
28	.70	.37	.75	.54	.25	.89	.13	301.99	302.03	.78	.82	.53
29	.73	.65	.73	.68	.61	.79	.19	.99	.63	.77		.53
30	.81	.59	.71	.81	.53	.65	.15	.99	.60	.77		.53
31		.53		.63	.41		.29		.35	.77		.53
Mean	301.66	301.86	301.99	302.25	302.34	303.45	302.47	302.07	302.09	301.91	301.74	301.64
Max.	301.83	302.65	303.03	304.28	302.75	304.49	303.47	302.41	302.63	302.26	301.83	301.81
Min.	301.60	301.63	301.69	301.65	302.05	302.33	302.13	301.99	301.87	301.72	301.62	301.52

WATER YEAR 1937 : Max. 304.49 m. Min. 301.52 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	18	25	37	20	94	72	96	81	40	66	28	25
2	18	24	35	20	83	199	118	67	40	58	27	21
3	18	21	34	19	81	434	111	61	39	52	27	21
4	18	27	32	19	79	563	106	58	44	50	28	18
5	18	25	32	18	63	484	85	54	63	47	25	16
6	18	24	34	18	65	392	94	54	70	41	27	22
7	18	22	34	20	59	442	101	52	65	44	27	27
8	17	21	83	32	54	474	85	52	63	45	22	25
9	17	21	105	37	51	450	79	51	63	45	23	25
10	17	20	90	40	58	427	68	51	61	45	27	25
11	17	19	157	56	76	318	65	49	59	43	28	22
12	17	19	116	59	83	269	61	49	59	41	27	18
13	17	18	83	54	85	262	70	47	58	41	26	16
14	17	20	58	61	65	218	74	45	47	34	25	14
15	16	19	44	41	67	180	81	45	44	34	22	14
16	16	19	39	32	70	171	99	44	42	32	21	14
17	16	18	30	28	59	163	131	44	40	28	21	15
18	16	18	27	25	51	134	225	44	39	28	22	21
19	16	18	25	31	47	123	163	42	39	28	21	20
20	16	17	22	31	65	118	116	42	37	25	21	22
21	16	17	20	416	72	108	96	47	37	25	17	15
22	16	17	21	287	91	131	90	47	35	22	17	16
23	16	19	20	186	104	186	79	45	34	27	17	17
24	16	22	26	141	83	281	70	45	34	27	16	13
25	18	63	27	117	74	273	67	44	32	25	21	13
26	24	72	28	94	59	171	67	44	32	25	22	13
27	28	68	26	86	81	144	59	44	39	25	25	13
28	25	76	24	95	121	139	54	43	45	25	28	13
29	22	108	22	112	104	126	59	42	106	25		13
30	27	101	21	128	94	108	56	42	102	25		13
31		94		106	81		68		74	22		13
Total	549	1,072	1,353	2,429	2,319	7,556	2,793	1,475	1,582	1,100	658	553
Mean	18.3	34.6	45.1	78.3	74.8	252	90.1	49.2	49.4	35.5	23.5	17.8
Max.	28	108	157	416	121	563	225	81	106	66	28	27
Min.	16	17	20	18	47	72	54	42	32	22	16	13
Runoff - mcm.	47.434	92.621	116.899	209.866	200.362	652.838	241.315	127.440	136.685	95.049	56.851	47.779

WATER YEAR 1937 : Max. 563 Min. 13 Mean 64.2 Annual Runoff 2,025.130 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 4	06.00	304.49	563				

WATER YEAR 1929
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W. 1)

Location: Lat. 18°–17'–28" N., Long. 99°–30'–14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929–49, 1951–67

Rating Operation:

Period of Rating: 1955–62

Rated by Float:

Rated by Current Meter: 1955–62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage–discharge relation used is defined by discharge measurements made during 1955–61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

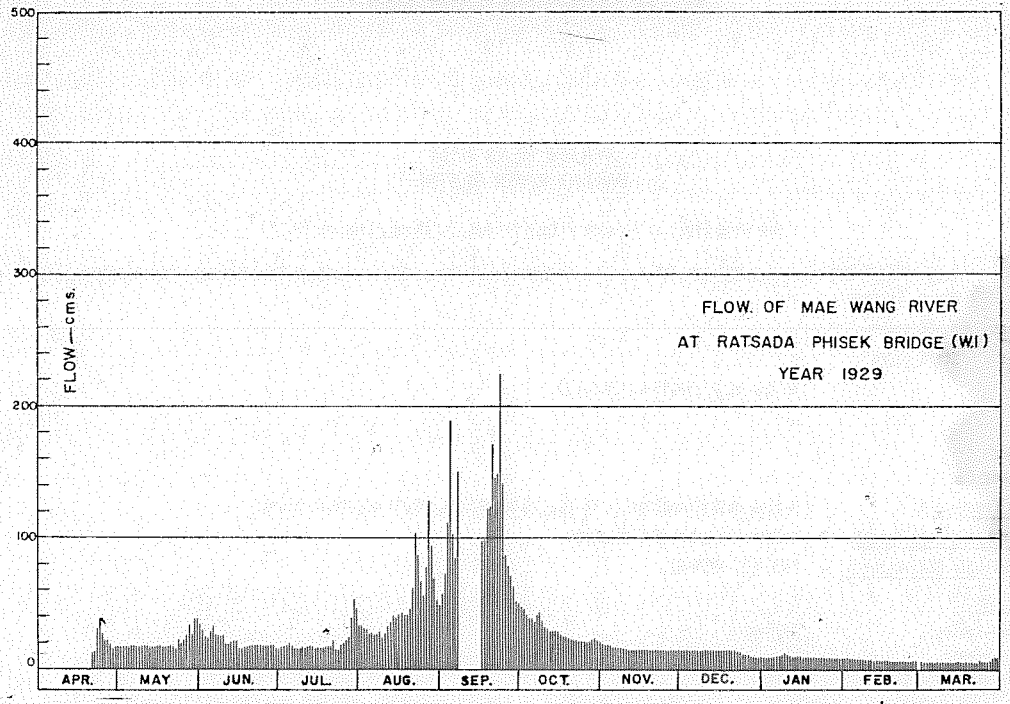
Remarks: No records for period April 1–20 and September 8–15.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1		229.42	229.78	229.38	229.76	230.11	230.00	229.49	229.38	229.22	229.18	229.09
2		.43	.70	.41	.78	.80	229.99	.48	.38	.22	.18	.07
3		.43	.58	.43	.22	.70	.9[illegible]	.46	.38	.22	.18	.07
4		.41	.59	.43	.72	231.37	.86	.45	.38	.22	.18	.07
5		.43	.67	.49	.62	230.47	.85	.43	.38	.22	.16	.07
6		229.44	229.77	229.44	229.62	230.42	229.82	229.43	229.38	229.22	229.16	229.07
7		.44	.62	.37	.60	231.08	.92	.43	.38	.22	.16	.07
8		.44	.61	.37	.72		.94	.43	.38	.30	.15	.06
9		.43	.61	.40	.65		.82	.40	.38	.30	.13	.06
10		.42	.64	.41	.57		.76	.38	.38	.25	.13	.06
11		229.44	229.46	229.40	229.70		229.73	229.38	229.38	229.22	229.13	229.06
12		.44	.48	.44	.82		.70	.38	.38	.21	.13	.05
13		.40	.52	.44	.83		.70	.38	.38	.21	.13	.05
14		.40	.53	.43	.91		.70	.38	.38	.21	.11	.05
15		.41	.54	.39	.88		.67	.38	.38	.21	.11	.05
16		229.42	229.36	229.39	229.94	230.59	229.64	229.38	229.38	229.20	229.11	229.05
17		.44	.39	.40	.93	.53	.61	.38	.38	.20	.11	.07
18		.42	.41	.42	.90	.84	.60	.38	.38	.20	.11	.05
19		.42	.40	.42	.91	.78	.58	.38	.38	.20	.11	.04
20		.43	.42	.42	230.00	231.24	.56	.38	.38	.20	.11	.04
21	229.29	229.44	229.44	229.42	230.25	231.00	229.54	229.38	229.38	229.20	229.11	229.05
22	.29	.43	.44	.53	.66	.09	.54	.38	.34	.20	.11	.05
23	.72	.38	.44	.37	.43	.58	.52	.38	.32	.20	.11	.10
24	.86	.53	.44	.38	.24	230.70	.51	.38	.30	.18	.09	.07
25	.62	.47	.44	.46	.07	.46	.51	.38	.30	.18	.09	.07
26	229.51	229.55	229.44	229.50	230.40	230.40	229.50	229.38	229.25	229.18	229.09	229.07
27	.53	.62	.44	.54	.89	.31	.51	.38	.23	.18	.09	.07
28	.46	.78	.44	.60	.44	.21	.54	.38	.22	.18	.09	.17
29	.37	.62	.44	.90	.23	.09	.58	.38	.22	.18	–	.17
30	.41	.88	.36	230.09	.08	.04	.54	.38	.22	.18	–	.20
31	–	.85	–	229.93	229.98	–	.51	–	.22	.18	–	.15
Mean		229.48	229.51	229.48	229.98		229.68	229.40	229.34	229.21	229.13	229.08
Max.		229.88	229.78	230.09	230.89		230.00	229.49	229.38	229.30	229.18	229.20
Min.		229.25	229.36	229.37	229.57		229.50	229.38	229.22	229.18	229.09	229.04

WATER YEAR 1929 : Max. m. Min. m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1		17	34	15	32	55	47	20	15	9.85	8.65	6.05
2		17	29	17	34	70	46	19	15	9.85	8.65	5.65
3		17	24	17	30	108	42	19	15	9.85	8.65	5.65
4		17	24	17	30	189	39	18	15	9.85	8.65	5.65
5		17	28	20	26	85	38	17	15	9.85	8.05	5.65
6		18	33	18	28	81	36	17	15	9.85	8.05	5.65
7		16	26	15	25	150	42	17	15	9.85	8.05	5.65
8		18	25	15	30		43	17	15	12	7.75	5.45
9		17	25	16	27		36	16	15	12	7.15	5.45
10		17	26	17	23		32	15	15	11	7.15	5.45
11		18	19	16	29		31	15	15	9.85	7.15	5.45
12		18	19	18	36		29	15	15	9.55	7.15	5.25
13		16	21	18	36		29	15	15	9.55	7.15	5.25
14		16	22	17	41		29	15	15	9.55	6.55	5.25
15		17	22	16	39		28	15	15	9.55	6.55	5.25
16		17	15	16	43	97	26	15	15	9.25	6.55	5.25
17		18	16	16	43	91	25	15	15	9.25	6.55	5.65
18		17	17	17	41	122	25	15	15	9.25	6.55	5.25
19		17	16	17	41	116	24	15	15	9.25	6.55	5.05
20		17	17	17	47	171	23	15	15	9.25	6.55	5.05
21	12	18	18	17	66	140	22	15	15	9.25	6.55	5.25
22	12	17	18	22	104	151	22	15	14	9.25	6.55	5.25
23	30	15	18	15	82	224	21	15	13	9.25	6.55	6.25
24	38	22	18	15	65	108	21	15	12	8.65	6.05	5.65
25	26	19	18	19	52	84	21	15	12	8.65	6.05	5.65
26	21	22	18	20	79	79	20	15	11	8.55	6.05	5.65
27	22	26	18	22	128	71	21	15	10	8.65	6.05	5.65
28	19	34	18	25	83	63	22	15	9.85	8.55	6.05	6.35
29	15	26	18	41	64	53	24	15	9.85	8.65	–	8.35
30	17	39	15	53	53	50	22	15	9.85	8.65	–	9.25
31	–	38	–	43	46	–	21	–	9.85	8.65	–	7.75
Total		620	635	627	1,903		907	475	426.40	305.20	198.00	181.05
Mean		20.0	21.2	20.2	61.4		29.3	15.8	13.7	9.78	7.07	5.84
Max.		39	34	53	128		47	20	15	12	8.65	9.25
Min.		11	15	15	23		20	15	9.85	8.65	6.05	5.05
Runoff – MCM.		53.568	54.864	54.173	164.419		78.364	41.040	36.841	26.196	17.107	15.643

WATER YEAR 1929 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 23	09.00	231.58	224				

WATER YEAR 1930
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W. 1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67

Rating Operation:

Period of Rating: 1955-62

Rated by Float: –

Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

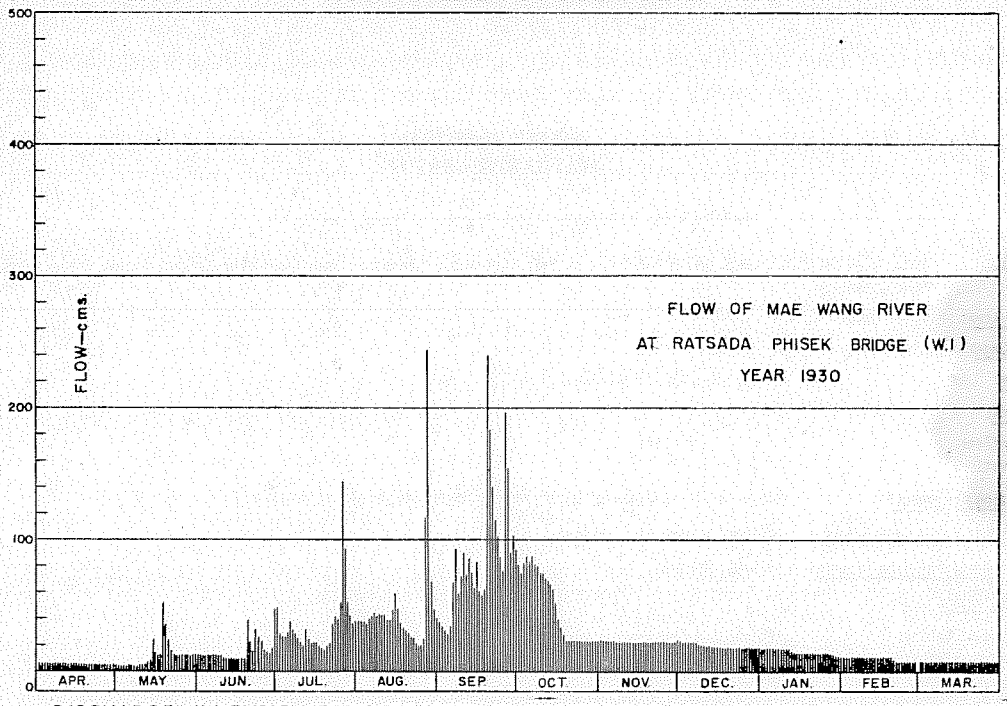
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.09	229.00	229.28	230.01	229.85	229.83	230.39	229.57	229.55	229.41	229.25	229.15
2	.09	228.98	.29	229.66	.85	.77	.35	.57	.55	.41	.25	.15
3	.08	.98	.27	.64	.86	.74	.44	.57	.55	.41	.25	.15
4	.06	.98	.29	.64	.83	.67	.49	.57	.55	.41	.25	.15
5	.06	.98	.29	.72	.89	.67	.45	.57	.55	.41	.25	.15
6	229.05	229.00	229.29	229.84	229.92	230.32	230.49	229.57	229.55	229.41	229.25	229.15
7	.05	228.97	.29	.72	.95	.55	.42	.55	.55	.41	.25	.15
8	.04	.97	.29	.69	.90	.11	.41	.55	.50	.41	.25	.15
9	.04	.97	.29	.59	.95	.34	.35	.55	.50	.41	.25	.15
10	.06	229.01	.27	.52	.93	.52	.35	.55	.48	.41	.25	.15
11	229.07	229.03	229.24	229.49	229.93	230.30	230.30	229.55	229.48	229.41	229.25	229.15
12	.07	.01	.23	.76	.88	.48	.29	.55	.46	.38	.25	.15
13	.07	.09	.22	.60	.87	.35	.25	.55	.45	.36	.25	.15
14	.05	.16	.24	.55	230.00	.16	.20	.55	.45	.35	.25	.15
15	.05	.59	.19	.56	.16	.45	.00	.55	.45	.35	.25	.15
16	229.04	229.34	229.18	229.55	229.95	230.18	229.85	229.55	229.45	229.35	229.25	229.15
17	.02	.29	.20	.45	.81	.15	.77	.55	.45	.35	.25	.15
18	.01	.28	.19	.41	.77	.25	.66	.55	.45	.35	.25	.15
19	.01	230.07	.22	.39	.76	131.67	.57	.55	.45	.35	.25	.15
20	.03	229.80	.86	.46	.69	.22	.57	.55	.45	.35	.19	.15
21	229.02	229.58	229.47	229.52	229.63	230.85	229.57	229.55	229.45	229.35	229.15	229.15
22	.02	.36	.33	.82	.61	.74	.57	.55	.45	.35	.15	.15
23	.02	.29	.76	.91	.49	.60	.57	.55	.45	.35	.15	.15
24	.02	.28	.63	.88	.49	.46	.57	.55	.45	.35	.15	.15
25	.00	.28	.56	230.02	.49	.28	.57	.55	.45	.35	.15	.15
26	229.00	229.26	229.40	231.03	229.63	231.41	229.57	229.55	229.45	229.35	229.15	229.15
27	228.99	.29	.36	230.41	231.70	230.63	.57	.55	.45	.32	.15	.15
28	.99	.29	.31	229.99	230.45	.47	.57	.55	.45	.30	.15	.15
29	229.00	.27	.43	.85	.09	.65	.57	.55	.43	.28	–	.15
30	.00	.30	230.00	.82	229.95	.49	.57	.58	.43	.25	–	.15
31	–	.29	–	.86	.87	–	.57	–	.41	.25	–	.15
Mean	229.01	229.22	229.36	229.75	229.91	230.44	229.96	229.55	229.47	229.36	229.22	229.15
Max.	229.09	230.07	230.00	231.03	231.70	231.67	230.49	229.58	229.55	289.41	229.25	229.15
Min.	228.99	228.97	229.18	229.39	229.49	229.67	229.57	229.55	229.41	229.25	229.15	229.15

WATER YEAR 1930 : Max. 231.70 m. Min. 229.15 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	6.05	4.25	12	48	38	36	78	23	22	17	11	7.75
2	6.05	3.85	12	27	38	33	74	23	22	17	11	7.75
3	5.85	3.85	11	26	38	31	83	23	22	17	11	7.75
4	5.45	3.85	12	26	36	28	87	23	22	17	11	7.75
5	5.45	3.85	12	30	40	28	83	23	22	17	11	7.75
6	5.25	4.25	12	37	42	72	87	23	22	17	11	7.75
7	5.25	3.65	12	30	44	93	81	22	22	17	11	7.75
8	5.05	3.65	12	29	41	55	80	22	20	17	11	7.75
9	5.05	3.65	12	24	44	74	74	22	20	17	11	7.75
10	5.45	4.45	11	21	43	90	74	22	19	17	11	7.75
11	5.65	4.85	10	20	43	70	70	22	19	17	11	7.75
12	5.65	4.45	10	32	39	86	69	22	19	15	11	7.75
13	5.65	6.05	9.85	25	39	74	66	22	18	14	11	7.75
14	5.25	8.05	10	22	47	59	62	22	18	14	11	7.75
15	5.25	24	8.95	23	59	83	47	22	18	14	11	7.75
16	5.05	14	8.65	22	44	60	38	22	18	14	11	7.75
17	4.65	12	9.25	18	35	58	33	22	18	14	11	7.75
18	4.45	12	8.95	17	33	66	27	22	18	14	11	7.75
19	4.45	52	9.85	16	32	239	23	22	18	14	11	7.75
20	4.85	35	38	19	29	168	23	22	18	14	8.95	7.75
21	4.65	24	19	21	26	123	23	22	18	14	7.75	7.75
22	4.65	15	13	36	25	112	23	22	18	14	7.75	7.75
23	4.65	12	32	41	20	98	23	22	18	14	7.75	7.75
24	4.65	12	26	39	20	84	23	22	18	14	7.75	7.75
25	4.25	12	23	48	20	68	23	22	18	14	7.75	7.75
26	4.25	11	16	144	26	196	23	22	18	14	7.75	7.75
27	4.05	12	15	80	244	101	23	22	18	13	7.75	7.75
28	4.05	12	13	46	83	85	23	22	18	12	7.75	7.75
29	4.25	11	17	38	53	103	23	22	17	12		7.75
30	4.25	12	47	36	44	87	23	24	17	11	–	7.75
31	–	12	–	38	39	–	23	–	17	11	–	7.75
Total	149.50	356.70	462.50	1,079	1,404	2,560	1,512	668	590	457	279.95	240.25
Mean	4.98	11.5	15.4	34.8	45.3	85.3	48.8	22.3	19.0	14.7	10.0	7.75
Max.	6.05	52	47	144	244	239	87	24	22	17	11	7.75
Min.	4.05	3.65	8.65	16	20	28	23	22	17	11	7.75	7.75
Runoff – MCM.	12.917	30.819	39.960	93.226	121.306	221.184	130.637	57.715	50.976	39.485	24.188	20.758

WATER YEAR 1930 : Max. 244 Min. 3.65 Mean 26.7 Annual Runoff 843.169 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 27	06.00	231.70	244				

WATER YEAR 1931
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W. 1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67.

Rating Operation:

Period of Rating: 1955-62

Rated by Float: –

Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

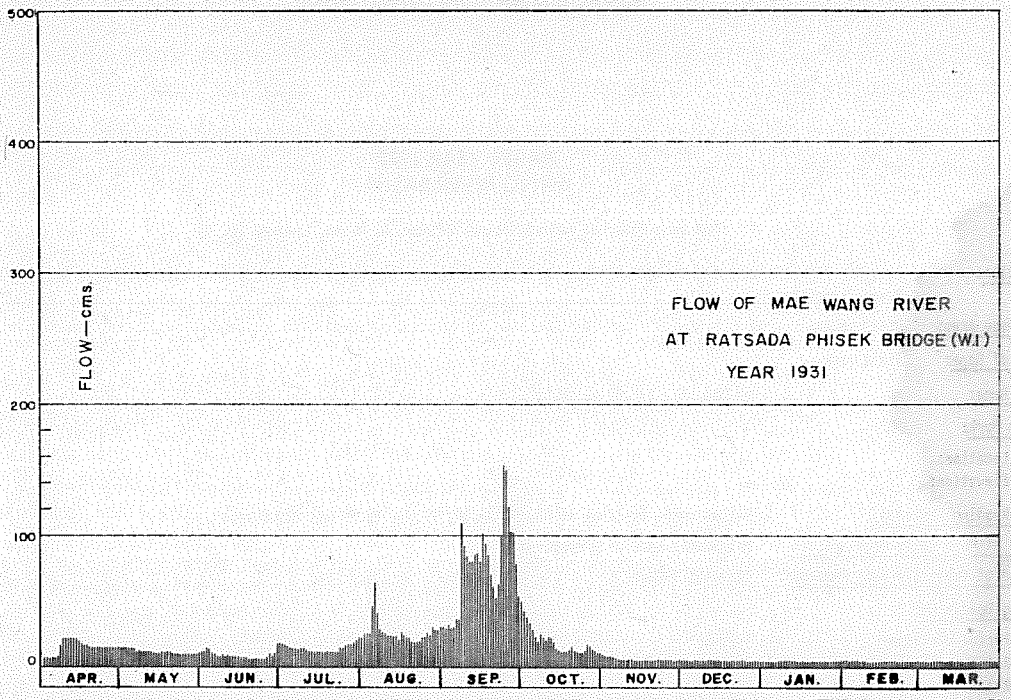
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.12	229.35	229.25	229.45	229.55	229.71	230.02	229.17	229.05	229.01	229.00	229.01
2	.12	.35	.27	.42	.61	.68	229.88	.15	.05	.01	.00	.01
3	.12	.35	.35	.40	.61	.75	.83	.15	.03	.01	.00	.01
4	.10	.35	.26	.37	.61	.70	.75	.15	.03	.01	.00	.01
5	.10	.35	.24	.34	.98	.71	.63	.10	.03	.01	.00	.01
6	229.10	229.35	229.22	229.35	230.21	229.82	229.55	229.09	229.03	229.01	229.00	229.01
7	.10	.30	.15	.32	229.84	.83	.44	.09	.03	.01	.00	.01
8	.46	.25	.15	.31	.66	230.71	.61	.07	.03	.01	.00	.01
9	.61	.25	.16	.31	.65	.47	.55	.07	.03	.01	.00	.01
10	.55	.25	.15	.31	.61	.45	.48	.05	.03	.01	.00	.01
11	229.49	229.25	229.16	229.28	229.59	230.39	229.57	229.05	229.03	229.01	229.00	229.01
12	.53	.25	.15	.27	.57	.41	.51	.05	.03	.01	.00	.01
13	.51	.27	.15	.27	.57	.47	.37	.05	.03	.01	.00	.01
14	.51	.23	.15	.27	.56	.48	.32	.05	.03	.01	.00	.01
15	.45	.23	.15	.25	.46	.37	.29	.05	.03	.01	.00	.01
16	229.39	229.25	229.12	229.25	229.63	230.63	229.29	229.05	229.03	229.01	229.00	229.01
17	.37	.27	.09	.25	.56	.54	.26	.05	.03	.01	.00	.01
18	.37	.25	.05	.25	.53	.42	.25	.05	.03	.01	.00	.01
19	.37	.25	.05	.25	.52	.31	.25	.05	.03	.01	.00	.01
20	.35	.25	.05	.25	.46	.18	.36	.05	.03	.01	.02	.01
21	229.35	229.21	229.08	229.25	229.45	230.04	229.29	229.05	229.03	229.01	229.02	229.01
22	.35	.21	.05	.25	.46	.19	.25	.05	.03	.01	.02	.01
23	.35	.21	.05	.25	.45	.63	.25	.05	.03	.01	.02	.01
24	.35	.21	.08	.38	.53	231.11	.25	.05	.03	.00	.02	228.99
25	.35	.21	.07	.33	.53	.07	.30	.05	.03	.00	.02	.99
26	229.35	229.21	229.12	229.39	229.63	230.64	229.41	229.05	229.03	229.00	229.02	228.99
27	.35	.21	.23	.39	.55	.64	.35	.05	.02	.00	.02	.99
28	.35	.21	.15	.38	.72	.63	.30	.05	.02	.00	.01	.99
29	.35	.21	.25	.41	.66	.14	.26	.05	.02	.00		.99
30	.35	.21	.44	.48	.65	.07	.24	.05	.01	.00		.99
31		.23		.52	.71		.21		.01	.00		.99
Mean	229.34	229.26	229.16	229.33	229.62	230.31	229.43	229.07	229.03	229.01	229.01	229.00
Max.	229.61	229.35	229.44	229.52	230.21	231.11	230.02	229.17	229.05	229.01	229.02	229.01
Min.	229.10	229.21	229.05	229.25	229.45	229.68	229.21	229.05	229.01	229.00	229.00	228.99

WATER YEAR 1931 : Max. 231.11 m. Min. 228.99 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	6.85	14	11	18	22	30	48	8.35	5.25	4.45	4.25	4.45
2	6.85	14	11	17	25	28	39	7.75	5.25	4.45	4.25	4.45
3	6.85	14	14	16	25	32	36	7.75	4.85	4.45	4.25	4.45
4	6.25	14	11	15	25	29	32	7.75	4.85	4.45	4.25	4.45
5	6.25	14	10	14	46	30	26	6.25	4.85	4.45	4.25	4.45
6	6.25	14	9.85	14	63	36	22	6.05	4.85	4.45	4.25	4.45
7	6.25	12	7.75	13	37	36	18	6.05	4.85	4.45	4.25	4.45
8	19	11	7.75	13	27	109	25	5.65	4.85	4.45	4.25	4.45
9	21	11	8.05	13	27	85	22	5.65	4.85	4.45	4.25	4.45
10	22	11	7.75	13	25	83	19	5.25	4.85	4.45	4.25	4.45
11	20	11	8.05	12	24	78	23	5.25	4.85	4.45	4.25	4.45
12	22	11	7.75	11	23	80	21	5.25	4.85	4.45	4.25	4.45
13	21	11	7.75	11	23	85	15	5.25	4.85	4.45	4.25	4.45
14	21	10	7.75	11	23	86	13	5.25	4.85	4.45	4.25	4.45
15	18	10	7.75	11	19	76	12	5.25	4.85	4.45	4.25	4.45
16	16	11	6.85	11	26	101	12	5.25	4.85	4.45	4.25	4.45
17	15	11	6.05	11	23	92	11	5.25	4.85	4.45	4.25	4.45
18	15	11	5.25	11	22	81	11	5.25	4.85	4.45	4.25	4.45
19	15	11	5.25	11	21	71	11	5.25	4.85	4.45	4.25	4.45
20	14	11	5.25	11	19	60	15	5.25	4.85	4.45	4.65	4.45
21	14	9.55	5.85	11	18	50	12	5.25	4.85	4.45	4.65	4.45
22	14	9.55	5.25	11	19	61	11	5.25	4.85	4.45	4.65	4.45
23	14	9.55	5.25	11	18	101	11	5.25	4.85	4.45	4.65	4.45
24	14	9.55	5.85	15	22	153	11	5.25	4.85	4.25	4.65	4.05
25	14	9.55	5.65	13	22	148	12	5.25	4.85	4.25	4.65	4.05
26	14	9.55	6.85	16	26	102	17	5.25	4.85	4.25	4.65	4.05
27	14	9.55	10	16	22	102	14	5.25	4.65	4.25	4.65	4.05
28	14	9.55	7.75	15	30	101	12	5.25	4.65	4.25	4.45	4.05
29	14	9.55	11	17	27	57	11	5.25	4.65	4.25		4.05
30	14	9.55	18	19	27	52	10	5.25	4.45	4.25		4.05
31		10		21	30		9.55		4.45	4.25		4.05
Total	424.55	342.50	246.30	422	806	2,235	561.55	176.75	149.75	136.35	122.40	134.75
Mean	14.1	11.0	7.94	13.7	26.0	74.5	18.1	5.89	4.85	4.40	4.37	4.35
Max.	25	14	18	21	63	153	48	8.35	5.35	4.45	4.65	4.45
Min.	6.25	9.55	5.25	11	18	28	9.55	5.25	4.45	4.25	4.25	4.05
Runoff - mcm.	36.681	29.592	21.28	36.461	69.638	193.104	48.518	15.271	12.938	11.781	10.575	11.642

WATER YEAR 1931 : Max. 153 Min. 4.05 Mean 15.8 Annual Runoff 497.569 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 24	18.00	231.93	286				

WATER YEAR 1932
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W. 1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67

Rating Operation:

Period of Rating: 1955-62

Rated by Float: –

Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

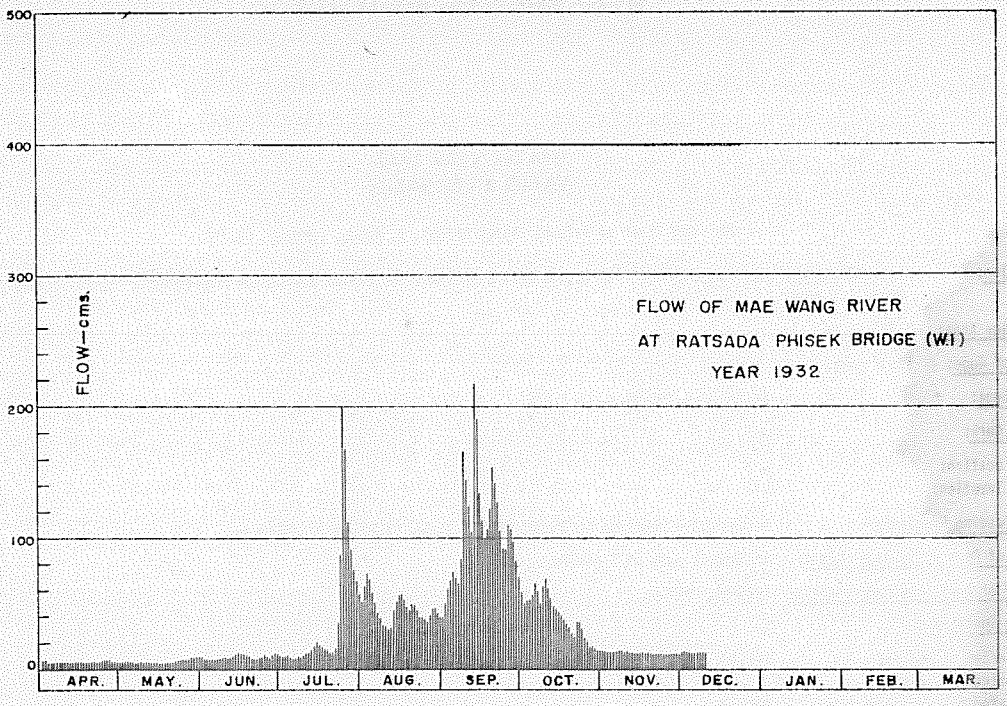
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions for irrigation except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods December 11 – March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	228.99	229.07	229.17	229.24	230.03	229.89	230.16	229.33	229.31			
2	229.09	.07	.15	.21	.19	230.05	.01	.33	.31			
3	.07	.07	.15	.21	.34	.21	.07	.33	.29			
4	.03	.03	.15	.23	.28	.28	.06	.31	.29			
5	.03	.03	.15	.17	.16	.35	.13	.31	.29			
6	229.03	229.03	229.15	229.15	230.05	230.25	230.24	229.31	229.29			
7	.03	.03	.15	.16	229.94	.17	.08	.35	.29			
8	.03	.03	.17	.23	.87	.36	.00	.33	.29			
9	.03	.03	.17	.20	.77	231.19	.19	.32	.29			
10	.03	.03	.20	.25	.77	230.94	.27	.31	.29			
11	229.03	229.03	229.15	229.28	229.73	230.73	230.14	229.29				
12	.01	.03	.18	.33	.70	.57	.06	.29				
13	.01	.01	.25	.38	.90	231.54	229.99	.29				
14	.01	.01	.27	.46	230.04	.37	.95	.29				
15	.01	.01	.31	.49	.11	230.93	.91	.29				
16	229.01	229.01	229.25	229.44	230.15	230.68	229.86	229.29				
17	.01	.01	.25	.39	.07	.59	.83	.29				
18	.01	.03	.22	.37	.00	.67	.77	.29				
19	.01	.03	.20	.35	229.93	.86	.71	.27				
20	.01	.07	.15	.27	230.04	231.10	.59	.27				
21	229.01	229.07	229.15	229.33	230.01	280.97	229.59	229.27				
22	.01	.11	.15	.40	229.94	.76	.81	.27				
23	.07	.11	.17	.69	.87	.61	.80	.27				
24	.09	.11	.21	230.05	.87	.52	.63	.25				
25	.09	.13	.27	231.44	.84	.54	.56	.25				
26	229.09	229.13	229.20	230.99	229.83	230.71	229.43	229.25				
27	.09	.13	.17	.70	.91	.63	.41	.25				
28	.07	.13	.23	.50	.98	.50	.41	.25				
29	.07	.17	.29	.38	.98	.39	.37	.25				
30	.07	.17	30	.28	.91	.28	.35	.25				
31		.17		.10	.87		.35					
Mean	229.04	229.07	229.20	229.63	229.97	230.62	229.83	229.29				
Max.	229.09	229.17	229.31	231.44	230.34	231.54	230.27	229.35				
Min.	229.01	229.01	229.15	229.15	229.70	229.89	229.35	229.25				

WATER YEAR 1932 : Max. 231.54 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	4.05	5.65	8.35	10	49	40	59	13	13			
2	6.05	5.65	7.75	9.55	61	50	48	13	13			
3	5.65	5.65	7.75	9.55	74	63	52	13	12			
4	4.85	4.85	7.75	10	68	68	51	13	12			
5	4.85	4.85	7.75	8.35	59	74	56	13	12			
6	4.85	4.85	7.75	7.75	50	66	65	13	12			
7	4.85	4.85	7.75	8.05	43	60	53	14	12			
8	4.85	4.85	8.35	10	39	75	47	13	12			
9	4.85	4.85	8.35	9.25	33	164	61	13	12			
10	4.85	4.85	9.25	11	33	133	68	13	12			
11	4.85	4.85	7.75	12	31	111	57	12				
12	4.45	4.85	8.65	13	29	95	51	12				
13	4.45	4.45	11	15	41	217	46	12				
14	4.45	4.45	11	19	50	189	44	12				
15	4.45	4.45	13	20	55	132	41	12				
16	4.45	4.45	11	18	58	106	38	12				
17	4.45	4.45	11	16	52	97	36	12				
18	4.45	4.85	9.85	15	47	105	33	12				
19	4.45	4.85	9.25	14	43	125	30	11				
20	4.45	5.65	7.75	11	50	152	24	11				
21	4.45	5.65	7.75	13	48	137	24	11				
22	4.45	6.55	7.75	16	43	114	35	11				
23	5.65	6.55	8.35	29	39	99	35	11				
24	6.05	6.55	9.55	50	39	90	26	11				
25	6.05	7.15	11	200	37	92	23	11				
26	6.05	7.15	9.25	139	36	109	17	11				
27	6.05	7.15	8.35	108	41	101	17	11				
28	5.65	7.15	10	88	46	88	17	11				
29	5.65	8.35	12	77	46	78	15	11				
30	5.65	8.35	12	68	41	68	14	11				
31		8.35		54	39		14					
Total	150.30	177.15	277.05	1,088.50	1,420	3,098	1,194	359				
Mean	5.01	5.71	9.23	35.1	45.8	103	38.6	11.9				
Max.	6.05	8.35	13	200	74	217	68	14				
Min.	4.45	4.45	7.75	7.75	29	40	14	11				
Runoff - mcm.	12.986	15.306	23.937	94.046	122.688	267.667	103.334	31.018				

WATER YEAR 1932 : Max. 217 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 13	15.00	231.59	225				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1933
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W. 1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,460 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: –

Location: –
Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67

Rating Operation:

Period of Rating: 1955-62
Rated by Float: –
Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual rating.

Overbank Flow Conditions: No overbank flow.

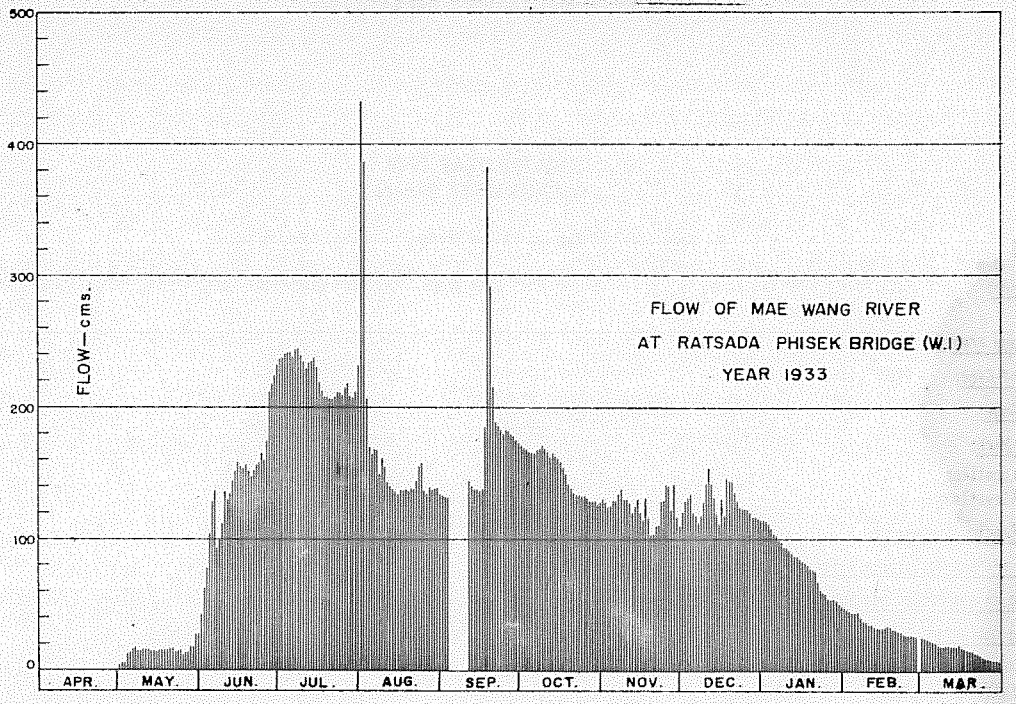
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for period Apr. 1 – 30 and Sept. 4 – 10.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1		229.01	229.90	231.66	232.61	230.94	231.24	230.91	230.83	230.76	230.02	229.60
2		.04	230.19	.66	.40	.93	.23	.87	.91	.76	229.98	.60
3		.05	.37	.68	231.33	.92	.23	.85	.93	.72	.96	.57
4		.32	.65	.68	.24		.21	.86	.95	.70	.95	.55
5		.35	.89	.69	.19		.20	.90	.81	.65	.95	.53
6		229.39	230.97	231.66	231.22		231.20	230.90	230.79	230.64	229.95	229.50
7		.45	.50	.70	.22		.22	.94	.73	.60	.89	.46
8		.05	.61	.70	.03		.23	.98	.79	.60	.86	.45
9		.05	.76	.67	.18		.24	.90	.91	.55	.82	.45
10		.09	.96	.65	.10		.22	.91	231.03	.55	.80	.44
11		229.09	230.90	231.61	231.02	231.03	231.20	230.88	231.11	130.51	229.80	229.44
12		.09	.96	.64	.00	.00	.18	.81	230.99	.50	.77	.44
13		.06	231.06	.65	230.98	230.98	.21	.85	.89	.48	.76	.44
14		.03	.10	.66	.97	.98	.18	.91	.79	.48	.76	.43
15		.01	.15	.62	.95	.96	.17	.81	.69	.45	.75	.46
16		229.04	231.12	231.54	230.99	230.98	231.14	230.75	230.91	230.45	229.77	229.39
17		.04	.10	.50	.97	231.14	.11	.91	.73	.42	.77	.39
18		.04	.13	.49	.98	232.39	.06	.73	231.05	.40	.77	.36
19		.06	.10	.49	.96	231.77	.01	.65	.03	.38	.73	.35
20		.06	.07	.48	.98	.41	230.98	.65	.03	.38	.73	.35
21		229.14	231.09	231.47	230.98	231.36	230.95	230.71	230.95	230.35	229.70	229.30
22		.34	.13	.49	231.04	.35	.94	.71	.90	.25	.70	.28
23		.37	.15	.51	.12	.33	.94	.89	.85	.18	.65	.26
24		.36	.20	.50	.15	.31	.94	.91	.85	.15	.65	.21
25		.28	.15	.49	230.97	.33	.93	231.01	.85	.15	.65	.21
26		229.31	231.27	231.53	230.95	231.32	230.92	230.99	230.84	230.10	229.65	229.16
27		.37	.53	.55	231.00	.31	.89	.79	.81	.10	.63	.15
28		.44	.55	.48	230.97	.29	.90	231.01	.79	.10	.63	.14
29		.45	.58	.49	231.00	.27	.89	230.79	.79	.06		.13
30		.65	.63	.51	230.99	.26	.86	.69	.78	.05		.12
31		.68		.51	.95		.89		.77	.02		.12
Mean		229.22	230.99	231.57	231.13		231.08	230.85	230.87	230.40	229.78	229.36
Max.		229.68	231.63	231.70	232.61		231.24	231.01	231.11	230.76	230.02	229.60
Min.		229.01	229.90	230.95	230.95		230.86	230.65	230.73	230.02	229.63	229.12

WATER YEAR 1933 : Max. 232.61 m. Min. 229.01 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1		4.45	41	237	431	133	171	130	121	114	48	25
2		5.05	61	237	384	132	169	126	130	114	46	25
3		5.25	76	241	183	131	169	123	132	110	44	23
4		13	103	241	171		165	125	134	108	44	22
5		14	128	242	164		165	129	119	103	44	22
6		16	137	237	168		165	129	117	102	44	20
7		18	88	244	168		168	133	111	98	40	19
8		5.25	99	244	144		169	138	117	98	38	18
9		5.25	114	239	162		171	129	130	93	36	18
10		6.05	136	235	152		168	130	144	93	35	18
11		6.05	129	229	142	144	165	127	153	89	35	18
12		6.05	136	234	140	140	162	119	139	88	33	18
13		5.45	147	235	138	138	166	123	128	86	32	18
14		4.85	152	237	137	138	162	130	117	86	32	17
15		4.45	158	230	134	136	161	119	107	83	32	19
16		5.05	155	217	139	138	157	113	130	83	33	16
17		5.05	152	210	137	157	153	130	111	81	33	16
18		5.05	156	208	138	382	147	111	146	79	33	15
19		5.45	152	208	136	256	141	103	144	77	31	14
20		5.45	148	207	138	196	138	103	144	77	31	14
21		7.45	151	205	138	188	134	109	134	74	29	12
22		14	156	208	145	186	133	109	129	66	29	12
23		15	158	212	155	183	133	128	123	60	27	11
24		15	165	210	158	180	133	130	123	58	27	9.55
25		12	158	208	137	183	132	141	123	58	27	9.55
26		13	175	215	134	182	131	139	122	54	27	8.05
27		15	215	218	140	180	128	117	119	54	26	7.75
28		18	218	207	137	178	129	141	117	54	26	7.45
29		18	224	208	140	175	128	117	117	51		7.15
30		27	232	212	139	173	125	107	116	50		6.85
31		28		212	134		128		115	48		6.85
Total		327.65	4,320	6,927	4,978		4,667	3,708	3,912	2,489	962	473.30
Mean		10.6	144	233	161		150	124	126	80.3	34.3	15.3
Max.		28	232	244	431		170	141	153	114	48	25
Min.		4.45	41	205	134		125	103	111	48	26	6.85
Runoff - mcm.		28.308	373.248	598.498	430.099		403.229	320.371	337.997	215.049	83.116	40.893

WATER YEAR 1933 : Max. 431 Min. 4.45 Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 1	15.00	232.61	431				

WATER YEAR 1934
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, A. Muang, Lampang (W.1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67

Rating Operation:

Period of Rating: 1955-62

Rated by Float: -

Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

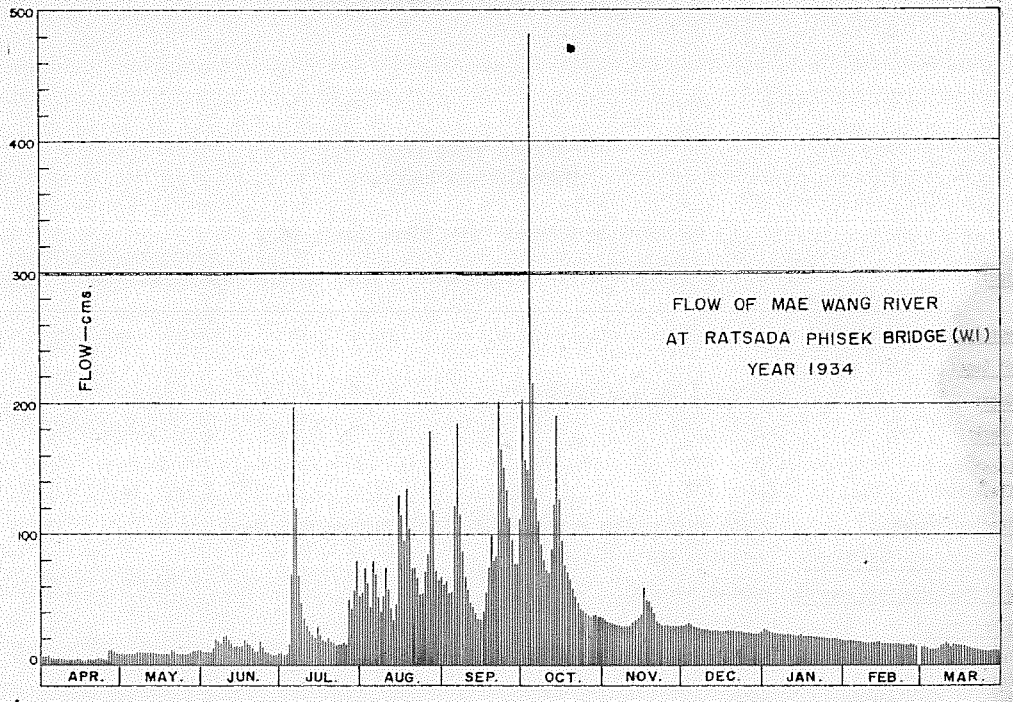
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.10	229.20	229.24	229.18	230.11	230.15	231.45	229.78	229.70	229.66	229.47	229.34
2	.10	.19	.23	.15	.34	.21	.03	.76	.72	.63	.47	.32
3	.09	.19	.20	.14	.20	.10	.08	.75	.75	.61	.46	.31
4	.08	.18	.21	.32	229.81	.12	232.82	.74	.71	.59	.46	.30
5	.07	.18	.31	230.01	230.40	.48	231.24	.72	.69	.58	.45	.29
6	229.07	229.17	229.46	231.41	230.25	231.34	230.87	229.71	229.68	229.59	229.44	229.29
7	.06	.24	.45	230.47	.05	230.80	.68	.70	.68	.58	.43	.29
8	.05	.24	.39	.17	229.92	.44	.51	.70	.66	.57	.43	.36
9	.03	.23	.53	229.92	.86	.24	.38	.69	.66	.57	.42	.36
10	.02	.21	.53	.77	230.34	.11	.32	.69	.65	.57	.42	.42
11	229.01	229.23	229.42	229.67	230.07	230.00	230.30	229.72	229.64	229.56	229.41	229.35
12	.00	.22	.39	.60	229.88	229.94	.28	.74	.64	.56	.41	.34
13	.00	.20	.31	.55	.76	.86	.85	.77	.64	.55	.41	.40
14	228.98	.20	.32	.48	.70	.80	231.37	.80	.64	.55	.41	.38
15	.97	.19	.33	.68	230.90	.80	230.75	.78	.64	.55	.40	.37
16	228.96	229.18	229.38	229.51	230.64	229.87	230.47	230.14	229.64	229.55	229.40	229.36
17	.95	.19	.48	.43	231.36	230.02	.32	.03	.63	.54	.40	.34
18	.99	.19	.39	.44	230.93	231.10	.27	.02	.63	.53	.40	.34
19	229.00	.18	.36	.51	.53	230.62	.21	229.95	.62	.53	.39	.33
20	.03	.26	.29	.45	.34	.35	.13	.81	.62	.53	.39	.32
21	229.00	229.22	229.24	229.41	230.36	230.48	230.06	229.74	229.61	229.52	229.39	229.30
22	.02	.19	.25	.37	.26	231.44	229.99	.73	.60	.52	.38	.28
23	.04	.17	.45	.38	.11	.09	.93	.72	.60	.51	.38	.27
24	.00	.17	.30	.37	.01	.08	.90	.71	.59	.51	.38	.26
25	228.98	.18	.22	.43	.32	230.90	.87	.71	.59	.50	.37	.26
26	229.27	229.22	229.18	229.37	230.18	230.62	229.84	229.70	229.58	229.50	229.36	229.26
27	.26	.23	.16	230.05	231.30	.47	.82	.70	.57	.50	.36	.26
28	.24	.25	.15	229.85	230.67	.34	.84	.70	.57	.49	.35	.26
29	.22	.26	.16	230.08	.34	.39	.84	.70	.57	.49		.25
30	.21	.25	.18	.40	.20	.18	.82	.70	.58	.48		.25
31		.25		.01	.26		.80		.64	.48		.24
Mean	229.06	229.21	229.32	229.70	230.31	230.41	229.42	229.76	229.64	229.54	229.41	229.31
Max.	232.82	229.26	229.53	231.41	231.36	231.44	232.82	230.14	229.75	229.66	229.47	229.42
Min.	228.95	229.17	229.15	229.14	229.70	229.80	229.80	229.69	229.57	229.48	229.35	229.24

WATER YEAR 1934 : Max. 232.82 m. Min. 228.95 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	6.25	9.25	10	8.65	55	58	202	34	29	27	19	14
2	6.25	8.95	10	7.75	74	63	144	32	30	26	19	13
3	6.05	8.95	9.25	7.45	62	54	150	32	32	25	19	13
4	5.85	8.65	9.55	13	35	56	481	31	30	24	19	12
5	5.65	8.65	13	48	79	86	171	30	29	24	18	12
6	5.65	8.35	19	196	66	185	126	30	28	24	18	12
7	5.45	10	18	85	50	118	106	29	28	24	17	12
8	5.25	10	16	60	42	83	89	29	27	23	17	15
9	4.85	10	22	42	38	65	77	29	27	23	17	15
10	4.65	9.55	22	33	74	55	72	29	27	23	17	17
11	4.45	10	17	28	52	47	70	30	26	23	17	14
12	4.25	9.85	16	25	39	43	68	31	26	23	17	14
13	4.25	9.25	13	22	32	38	123	33	26	22	17	16
14	3.85	9.25	13	19	29	35	189	35	26	22	17	15
15	3.65	8.95	13	28	129	35	113	34	26	22	16	15
16	3.45	8.65	15	21	102	39	85	57	26	22	16	15
17	3.25	8.95	19	17	188	46	72	49	26	22	16	14
18	4.05	8.95	16	18	132	152	68	48	26	22	16	14
19	4.25	8.65	15	21	91	100	63	44	26	22	16	13
20	4.85	11	12	18	74	74	56	35	26	22	16	13
21	4.25	9.85	10	17	75	86	51	31	25	21	16	12
22	4.65	8.95	11	15	67	200	46	31	25	21	15	12
23	5.05	8.35	18	15	55	151	43	30	25	21	15	11
24	4.25	8.35	12	15	48	150	41	30	24	21	15	11
25	3.85	8.65	9.85	17	72	129	39	30	24	20	15	11
26	11	9.85	8.65	15	60	100	37	29	24	20	15	11
27	11	10	8.05	50	179	85	36	29	23	20	15	11
28	10	11	7.75	38	105	74	37	29	23	20	14	11
29	9.85	11	8.05	53	74	78	37	29	23	20		11
30	9.55	11	8.65	79	62	60	36	29	24	19		11
31		11		48	67		35		26	19		10
Total	169.75	293.96	399.80	1,079.85	2,307	2,547	2,963	998	813	687	464	400
Mean	5.65	9.8	13.3	34.8	74.4	85.2	95.6	33.3	26.2	22.2	16.6	12.9
Max.	11	11	22	196	188	200	481	57	32	27	19	17
Min.	3.25	8.35	7.75	7.45	29	35	35	29	23	19	14	10
Runoff - MCM.	14.666	25.398	34.543	93.299	199.325	220.061	256.003	86.227	70.243	59.357	40.089	34.560

WATER YEAR 1934 : Max. 481 Min. 3.25 Mean 35.9 Annual Runoff 1,133.772 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 4	15.00	233.16	566				

WATER YEAR 1935
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, Lampang (W.1)

Location: Lat. 18°–17'–28" N., Long. 99°–30'–14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at +234.85 m. (M.S.L.)

Bench Mark: –

Location: –
Elevation: –

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929–49, 1951–67.

Rating Operation:

Period of Rating: 1955–62
Rated by Float: –
Rated by Current Meter: 1955–62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

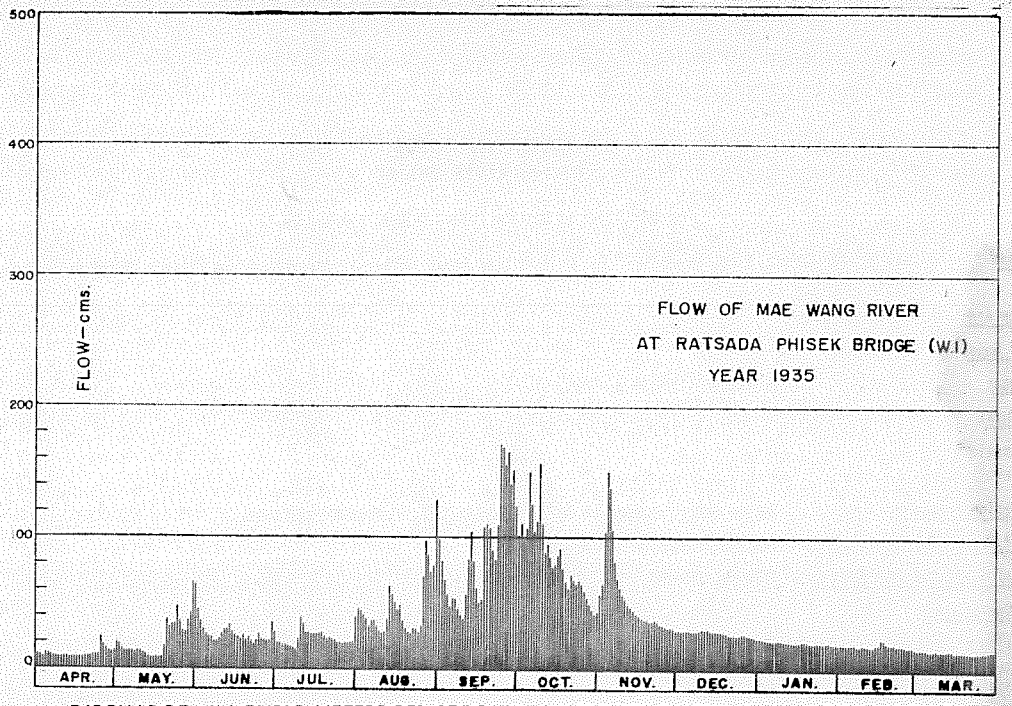
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955–61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.23	229.50	229.90	229.49	229.99	230.55	230.61	230.16	229.70	229.58	229.47	229.39
2	.23	.42	.77	.49	.97	.41	.73	.26	.70	.57	.47	.39
3	.22	.34	.67	.45	.90	.23	.59	.80	.72	.56	.46	.39
4	.30	.33	.64	.46	.83	.11	.67	231.08	.70	.55	.46	.39
5	.23	.31	.60	.42	.73	.00	231.08	230.96	.69	.55	.46	.38
6	229.22	229.32	229.57	229.42	229.82	230.10	230.85	230.53	229.69	229.55	229.46	229.37
7	.22	.29	.50	.40	.85	.08	.63	.37	.69	.54	.45	.37
8	.21	.28	.55	.38	.75	229.95	.69	.25	.69	.54	.45	.36
9	.21	.34	.61	.57	.68	.90	231.14	.17	.69	.54	.44	.36
10	.20	.34	.70	.87	.65	.85	230.67	.11	.73	.54	.44	.36
11	229.20	229.30	229.72	229.78	229.65	230.16	230.48	230.06	229.72	229.54	229.44	229.36
12	.20	.26	.70	.68	.88	.47	.57	.02	.73	.53	.44	.36
13	.19	.22	.77	.67	230.21	.66	.45	229.98	.72	.52	.44	.36
14	.19	.21	.62	.65	.09	.33	.37	.94	.70	.52	.46	.35
15	.19	.19	.64	.65	.02	.17	.41	.91	.70	.52	.46	.35
16	229.19	229.21	229.59	229.65	229.91	230.05	230.53	229.89	229.69	229.51	229.58	229.35
17	.18	.21	.55	.65	230.03	.10	.43	.86	.67	.51	.53	.34
18	.18	.20	.61	.68	229.83	.70	.30	.84	.65	.51	.50	.34
19	.19	.32	.53	.58	.73	.73	.21	.84	.65	.50	.48	.34
20	.20	.84	.58	.54	.67	.67	.16	.82	.64	.50	.47	.33
21	229.21	229.73	229.52	229.58	229.65	230.41	230.33	229.83	229.64	229.50	229.47	229.33
22	.23	.78	.45	.55	.75	.36	.27	.85	.63	.50	.45	.33
23	.23	.79	.52	.52	.72	.57	.22	.81	.63	.49	.44	.32
24	.23	.98	.63	.49	.66	231.24	.28	.78	.65	.49	.44	.32
25	.57	.75	.55	.48	.78	.22	.23	.77	.65	.49	.43	.32
26	229.40	229.67	229.53	229.48	230.60	231.06	230.15	229.76	229.65	229.51	229.42	229.35
27	.37	.67	.50	.47	.57	.19	.06	.74	.64	.49	.41	.34
28	.31	.80	.53	.46	.43	230.95	.01	.74	.62	.48	.41	.36
29	.32	.89	.83	.46	.27	231.09	229.96	.72	.60	.48	.40	.37
30	.32	230.25	.61	.51	.44	230.82	.92	.71	.60	.48	–	.36
31		.20		.88	.89		.97		.58	.48	–	.37
Mean	229.24	229.50	229.61	229.56	229.96	230.47	230.41	230.05	229.66	229.51	229.45	229.35
Max.	231.24	230.25	229.90	229.88	230.89	231.24	231.14	231.08	229.73	229.58	229.58	229.39
Min.	229.18	229.19	229.45	229.38	229.65	229.85	229.93	229.71	229.58	229.48	229.40	229.32

WATER YEAR 1935 : Max. 231.24 m. Min. 229.18 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	10	20	41	20	46	93	99	59	29	24	19	16
2	10	17	33	20	45	80	111	67	29	23	19	16
3	9.85	14	28	18	41	64	97	118	30	23	19	16
4	12	13	26	19	36	55	105	150	29	22	19	16
5	10	13	25	17	31	47	150	136	29	22	19	15
6	9.85	13	23	17	36	54	123	91	29	22	19	15
7	9.85	12	20	16	38	53	101	76	29	22	18	15
8	9.55	12	22	15	32	44	107	66	29	22	18	15
9	9.55	14	25	23	28	41	157	60	29	22	18	15
10	9.25	14	29	39	27	38	105	55	31	22	18	15
11	9.25	12	30	34	27	59	86	51	30	22	18	15
12	9.25	11	29	28	39	85	95	48	31	22	18	15
13	8.95	9.85	33	28	63	104	83	46	30	21	18	15
14	8.95	9.55	26	27	53	73	76	43	29	21	19	14
15	8.95	8.95	26	27	48	60	80	41	29	21	19	14
16	8.95	9.55	24	27	41	50	91	40	29	21	24	14
17	8.65	9.55	22	27	49	54	82	38	28	21	22	14
18	8.65	9.25	25	28	36	108	70	37	27	21	20	14
19	8.95	13	22	24	31	111	63	37	27	20	19	14
20	9.25	37	24	22	28	105	59	36	26	20	19	13
21	9.55	31	21	24	27	80	73	36	26	20	19	13
22	10	34	18	22	32	75	68	38	26	20	18	13
23	10	34	21	21	30	95	64	35	26	20	18	13
24	10	46	26	20	27	171	68	34	27	20	18	13
25	23	32	22	19	34	168	64	33	27	20	17	13
26	16	28	22	19	98	147	58	32	27	21	17	14
27	15	28	20	19	95	164	51	31	26	20	17	14
28	13	35	22	19	82	134	48	31	26	19	17	15
29	13	40	36	19	68	151	44	30	25	19	16	15
30	13	66	25	21	83	120	42	30	25	19		15
31		62		39	128		45		24	19		15
Total	322.25	707.70	766	718	1,479	2,683	2,565	1,625	864	651	539	449
Mean	10.74	22.8	25.5	23.1	47.7	89.4	82.7	54.2	27.8	21.0	18.5	14.4
Max.	23	66	41	39	128	171	157	150	31	24	24	16
Min.	8.65	8.95	18	15	27	38	42	30	24	19	16	13
Runoff - mcm.	27.842	61.145	66.182	62.035	127.785	231.811	221.616	140.400	74.649	56.246	46.569	38.793

WATER YEAR 1935 : Max. 171 Min. 8.65 Mean 36.5 Annual Runoff 1,155.077 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 24	15.00	231.36	188				

WATER YEAR 1936
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, Lampang (W.1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: -

Location: -
Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67

Rating Operation:

Period of Rating: 1955-62
Rated by Float: -
Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

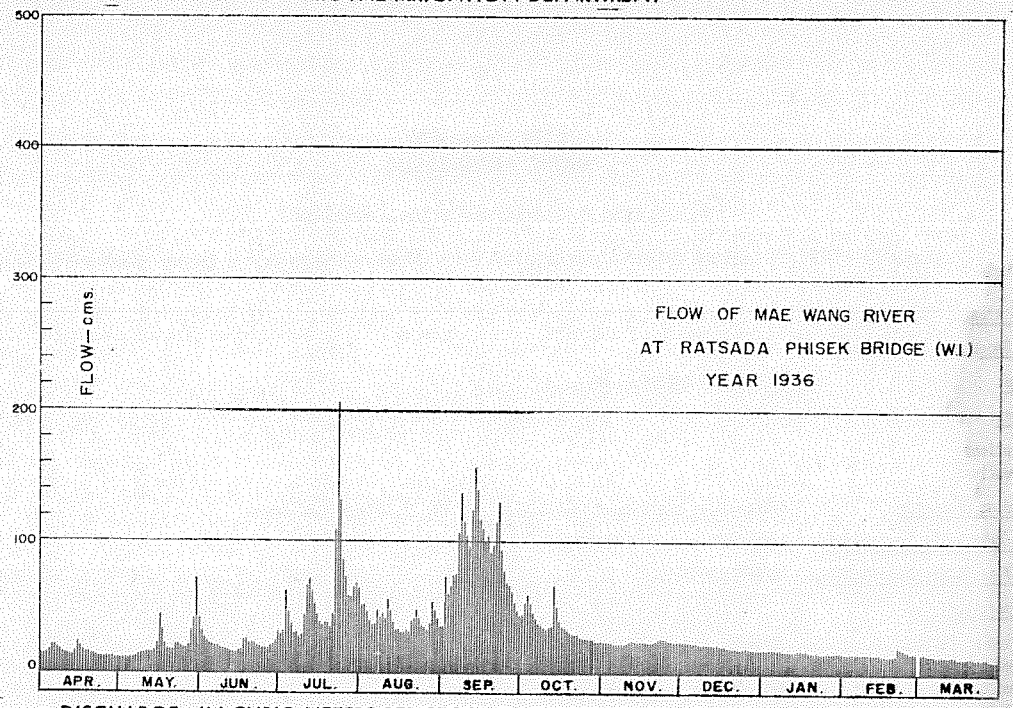
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.34	229.25	229.76	229.70	230.06	229.82	229.93	229.58	229.57	229.45	229.37	229.36
2	.34	.25	.62	.60	.09	230.33	230.04	.58	.57	.45	.37	.36
3	.36	.25	.57	230.20	229.98	.14	.18	.57	.57	.45	.37	.35
4	.39	.24	.54	229.95	.88	.25	.08	.56	.57	.45	.38	.35
5	.51	.28	.51	.82	.80	.34	229.94	.55	.55	.45	.38	.34
6	229.49	229.28	229.50	229.72	229.84	230.35	229.89	229.54	229.54	229.44	229.38	229.34
7	.45	.28	.49	.74	230.01	.64	.84	.54	.54	.43	.38	.34
8	.41	.32	.46	.66	229.90	.96	.81	.54	.53	.43	.38	.34
9	.38	.38	.44	.69	.97	.73	.79	.54	.52	.43	.38	.33
10	.35	.38	.44	.77	.88	.65	.77	.57	.52	.42	.37	.33
11	229.34	229.38	229.41	230.25	230.12	230.53	229.80	229.59	229.51	229.42	229.37	229.33
12	.33	.36	.39	.31	229.95	.80	.77	.59	.51	.42	.37	.33
13	.32	.36	.38	.20	.84	231.13	230.24	.58	.51	.42	.36	.31
14	.39	.42	.36	.03	.77	230.96	229.99	.58	.51	.42	.36	.28
15	.57	.59	.43	229.95	.77	.69	.85	.58	.50	.42	.35	.28
16	229.44	229.94	229.43	229.84	229.73	230.71	229.79	229.58	229.49	229.42	229.36	229.30
17	.39	.66	.66	.84	.76	.60	.77	.58	.49	.41	.35	.29
18	.37	.50	.61	.86	.78	.66	.75	.57	.48	.40	.34	.29
19	.36	.45	.55	.87	.72	.50	.71	.57	.48	.40	.35	.28
20	.34	.42	.56	.78	.89	.59	.69	.59	.47	.40	.34	.28
21	229.33	229.40	229.55	229.96	229.92	230.77	229.69	229.61	229.47	229.39	229.49	229.27
22	.31	.54	.49	230.75	230.02	.90	.69	.62	.45	.38	.47	.26
23	.30	.54	.49	231.47	229.90	.53	.65	.62	.44	.38	.44	.25
24	.29	.48	.46	230.75	.81	.37	.63	.62	.43	.38	.42	.25
25	.28	.47	.46	.44	.80	.26	.62	.61	.43	.39	.40	.25
26	229.28	229.46	229.44	230.34	229.74	230.25	229.61	229.60	229.44	229.39	229.38	229.26
27	.28	.52	.51	.15	.85	.17	.60	.59	.45	.40	.37	.24
28	.27	.77	.53	.15	230.10	.07	.59	.58	.45	.40	.37	.23
29	.26	.88	.61	.26	229.97	229.99	.58	.58	.45	.40		.23
30	.26	230.31	.74	.27	.89	.94	.58	.57	.45	.40		.23
31		229.93		.22	.79		.58		.45	.38		.22
Mean	229.35	229.49	229.51	230.08	229.86	230.49	229.79	229.58	229.49	229.41	229.38	229.29
Max.	229.57	230.31	229.76	231.47	230.12	231.13	230.24	229.62	229.57	229.45	229.47	229.36
Min.	229.26	229.24	229.36	229.60	229.72	229.82	229.58	229.54	229.43	229.38	229.34	229.22

WATER YEAR 1936 : Max. 231.47 m. Min. 229.22 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	14	11	32	29	51	36	43	24	23	18	15	15
2	14	11	26	25	53	73	50	24	23	18	15	15
3	15	11	23	62	46	57	60	23	23	18	15	14
4	16	10	22	44	39	66	53	23	23	18	15	14
5	21	12	21	36	35	74	43	22	22	18	15	14
6	20	12	20	30	37	74	40	22	22	18	15	14
7	18	12	20	31	48	102	37	22	22	17	15	14
8	17	13	19	27	41	136	35	22	22	17	15	14
9	15	15	18	29	45	111	34	22	21	17	15	13
10	14	15	18	33	39	103	33	23	21	17	15	13
11	14	15	17	66	56	91	35	24	21	17	15	13
12	13	15	16	71	44	118	33	24	21	17	15	13
13	13	15	15	62	37	156	65	24	21	17	15	13
14	16	17	15	49	33	136	46	24	21	17	15	12
15	23	24	17	44	33	107	38	24	20	17	14	12
16	18	43	17	37	31	109	34	24	20	17	14	12
17	16	27	25	37	32	98	33	24	20	17	14	12
18	15	20	25	38	34	104	32	23	19	16	14	12
19	15	18	22	39	30	88	30	23	19	16	14	12
20	14	17	23	34	40	97	29	24	19	16	14	12
21	13	16	22	44	42	115	29	25	19	16	20	11
22	13	22	20	113	48	129	29	26	18	15	19	11
23	12	22	20	205	41	91	27	26	18	15	18	11
24	12	19	19	113	35	76	26	26	17	15	17	11
25	12	19	19	83	35	67	26	25	17	16	16	11
26	12	19	18	74	31	66	25	25	18	16	15	11
27	12	21	21	58	38	60	25	24	18	16	15	10
28	11	33	22	58	54	52	24	24	18	16	15	10
29	11	39	25	67	45	46	24	24	18	16		10
30	11	71	31	68	40	43	24	23	18	16		10
31		43		64	34		24		18	15		9.85
Total	440	657	630	1,770	1,247	2,681	1,086	713	620	515	429	378.85
Mean	14.6	21.2	21.0	57.1	40.2	89.3	35.0	23.7	20.0	16.0	15.3	12.2
Max.	23	71	32	205	56	156	65	26	23	18	20	15
Min.	11	10	15	25	30	36	24	22	17	15	14	9.85
Runoff - mcm.	38.016	56.764	54.432	152.928	107.740	231.638	93.830	61.603	53.568	44.496	37.065	32.732

WATER YEAR 1936 : Max. 205 Min. 9.85 Mean 30.6 Annual Runoff 964.812 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Jul. 23	06.00	231.61	229				

WATER YEAR 1937
WANG RIVER BASIN

Mae Wang River at Ratsada Phisek Bridge, Lampang (W.1)

Location: Lat. 18°-17'-28" N., Long. 99°-30'-14" E., on left bank about 100 meters downstream from Ratsada Phisek Bridge, Amphoe Muang, Lampang.

Drainage Area: 3,480 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 234.85 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1929-49, 1951-67.

Rating Operation:

Period of Rating: 1955-62

Rated by Float: -

Rated by Current Meter: 1955-62

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

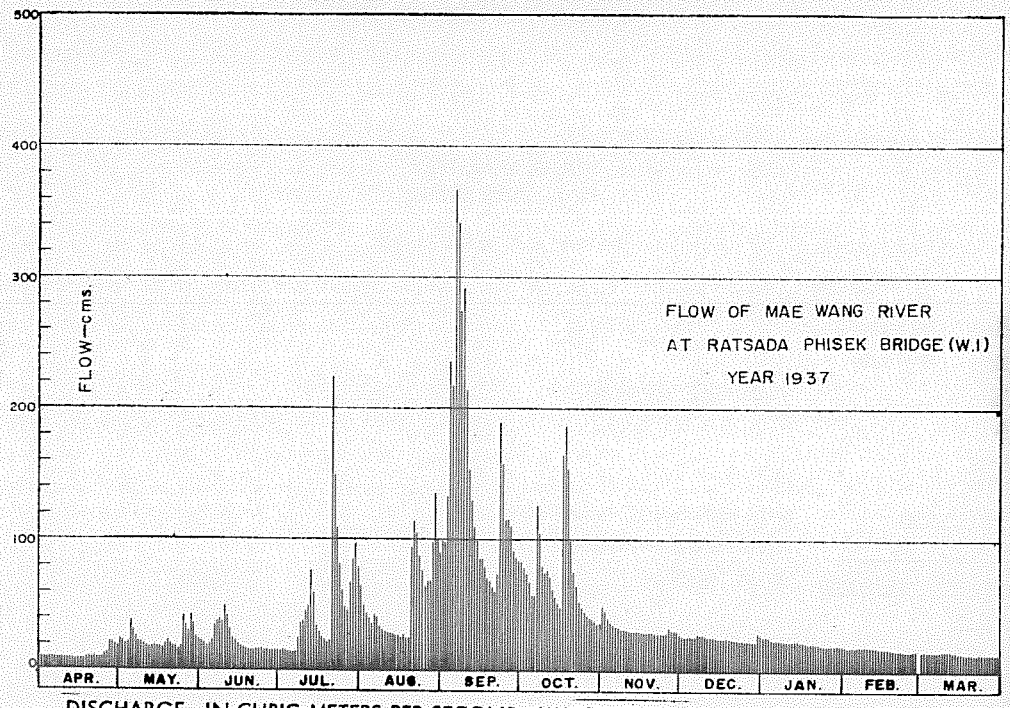
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955-61. No upstream state diversions for irrigation except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	229.22	229.56	229.55	229.36	230.15	230.61	230.45	230.02	229.65	229.64	229.45	229.37
2	.21	.53	.50	.37	.00	.55	.38	229.93	.64	.62	.45	.37
3	.22	.47	.45	.36	229.94	.86	.33	.85	.64	.59	.45	.37
4	.22	.52	.46	.34	.88	231.65	.24	.81	.63	.57	.45	.36
5	.22	.86	.55	.34	.81	.47	.14	.78	.63	.57	.45	.36
6	229.22	229.69	229.78	229.34	229.95	232.33	230.14	229.77	229.63	229.57	229.45	229.37
7	.22	.60	.86	.37	.83	.16	.87	.75	.67	.56	.45	.37
8	.21	.52	.87	.64	.77	231.81	.49	.74	.66	.55	.44	.37
9	.21	.51	.80	.82	.73	.95	.38	.73	.65	.54	.44	.37
10	.19	.49	230.02	.88	.69	.44	.35	.72	.64	.54	.45	.36
11	229.18	229.45	229.83	230.00	229.69	230.99	230.37	229.71	229.63	229.54	229.44	229.36
12	.18	.45	.68	.05	.69	.83	.27	.71	.61	.54	.44	.36
13	.18	.45	.58	.37	.67	.70	.12	.71	.60	.53	.43	.35
14	.17	.44	.51	229.99	.66	.57	.12	.71	.59	.53	.43	.35
15	.17	.43	.47	.79	.65	.44	229.99	.71	.59	.52	.42	.35
16	229.16	229.42	229.42	229.67	229.63	230.47	229.94	229.70	229.59	229.51	229.41	229.35
17	.16	.40	.42	.60	.65	.39	231.20	.70	.59	.51	.41	.35
18	.16	.39	.40	.56	.59	.29	.34	.69	.59	.50	.40	.34
19	.27	.56	.39	.52	.63	.28	230.70	.69	.58	.50	.39	.34
20	.22	.46	.38	.56	230.55	.20	.43	.68	.57	.50	.39	.34
21	229.27	229.44	229.39	231.58	230.76	230.19	230.29	229.68	229.56	229.50	229.39	229.33
22	.20	.41	.40	230.93	.67	.38	.14	.67	.56	.49	.39	.33
23	.21	.38	.40	.61	.47	231.36	.05	.67	.56	.48	.38	.33
24	.22	.43	.39	.27	.39	.04	.00	.67	.56	.46	.37	.33
25	.30	.92	.37	.12	.20	230.71	229.95	.70	.55	.47	.37	.33
26	229.27	229.78	229.36	229.97	230.28	230.77	229.90	229.75	229.55	229.47	229.37	229.33
27	.54	.68	.36	.90	.19	.64	.88	.73	.53	.47	.40	.33
28	.51	.92	.36	230.27	.51	.50	.85	.71	.53	.47	.37	.32
29	.48	.70	.36	.51	.95	.48	.82	.69	.54	.46		.32
30	.46	.60	.36	.59	.53	.44	.79	.65	.67	.46		.32
31		.57		.33	.47		.88		.65	.46		.32
Mean	229.25	229.55	229.52	229.87	230.11	230.88	230.26	229.73	229.60	229.52	229.42	229.34
Max.	229.54	229.92	230.02	231.58	231.53	232.33	231.34	230.02	229.67	229.64	229.45	229.37
Min.	229.16	229.38	229.36	229.34	229.59	230.19	229.79	229.65	229.53	229.46	229.37	229.32

WATER YEAR 1937 : Max. 232.33 m. Min. 229.16 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.85	23	22	15	58	99	83	48	27	26	18	15
2	9.55	22	20	15	47	93	77	43	26	26	18	15
3	9.85	19	18	15	43	125	73	38	26	24	18	15
4	9.85	21	19	14	39	235	65	35	26	23	18	15
5	9.85	38	22	14	35	205	57	34	26	23	18	15
6	9.85	29	34	14	44	369	57	33	26	23	18	15
7	9.85	25	38	15	36	332	126	32	28	23	18	15
8	9.55	21	39	26	33	263	87	31	27	22	18	15
9	9.55	21	35	36	31	290	77	31	27	22	18	15
10	9.95	20	48	39	29	200	74	30	26	22	18	15
11	8.65	18	36	47	29	139	76	30	26	22	18	15
12	8.65	18	28	50	29	121	68	30	25	22	18	15
13	8.65	18	24	76	28	108	56	30	25	22	17	14
14	8.35	18	21	46	27	95	56	30	24	22	17	14
15	8.35	17	19	34	27	83	46	30	24	21	17	14
16	8.05	17	17	28	26	85	43	29	24	21	17	14
17	8.05	16	17	25	27	78	165	29	24	21	17	14
18	8.05	16	16	23	24	69	185	29	24	20	16	14
19	11	23	16	21	26	68	108	29	24	20	16	14
20	9.85	19	15	23	93	62	82	28	23	20	16	14
21	11	18	16	224	114	61	69	28	23	20	16	13
22	9.25	17	16	132	105	77	57	28	23	20	16	13
23	9.55	15	16	99	85	188	50	28	23	19	15	13
24	9.85	17	16	68	78	145	47	28	23	19	15	13
25	12	42	15	56	62	109	44	29	22	19	15	13
26	11	34	15	45	68	115	41	32	22	19	15	13
27	22	28	15	41	61	102	39	31	22	19	16	13
28	21	42	15	68	89	88	38	30	22	19	15	13
29	19	29	15	89	134	86	36	29	22	19		13
30	19	25	15	97	91	83	34	27	28	19		13
31		23		73	85		39		27	19		13
Total	328	709	658	1,568	1,703	4,173	2,155	939	765	656	472	435
Mean	39.9	22.8	20.9	50.6	54.9	139	69.6	31.3	24.8	21.2	16.8	14
Max.	8.05	42	48	224	215	369	185	48	28	26	18	15
Min.	22	15	15	14	24	61	34	27	22	19	15	13
Runoff - mcm.	28.339	61.257	56.551	135.475	147.139	360.547	186.192	81.130	66.096	56.678	40.694	37.584

WATER YEAR 1937 : Max. 369 Min. 13 Mean 39.9 Annual Runoff 1,258.070 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 6	12.00	232.46	397				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1922
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

192.70

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 ay N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56.

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

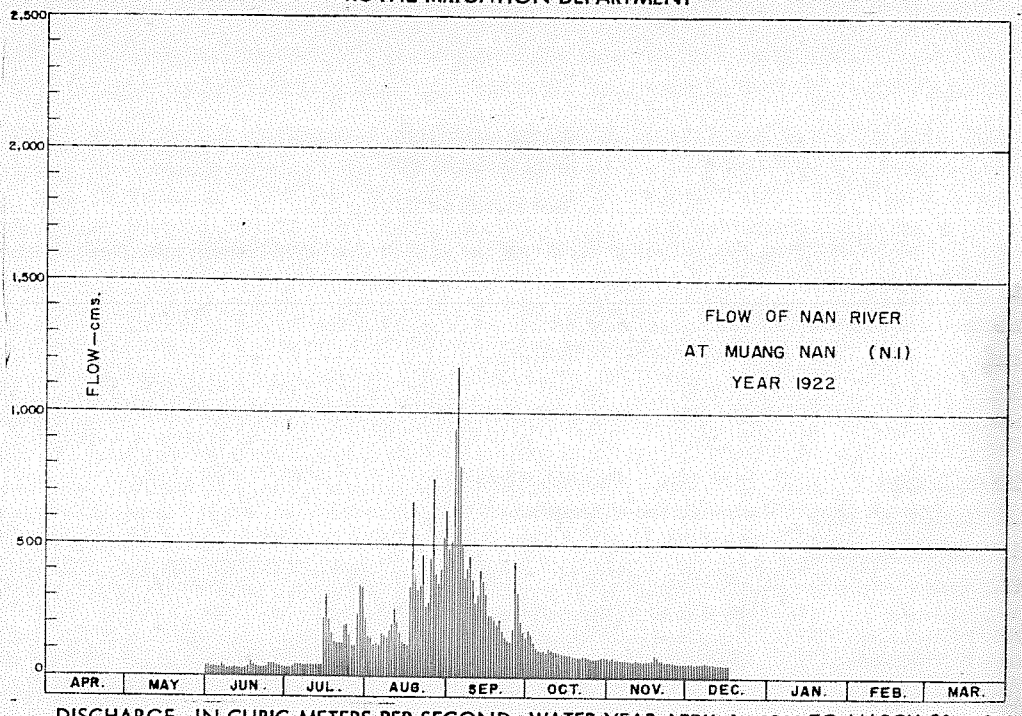
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1954-56. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1			193.15	193.09	194.23	195.93	194.43	193.50	193.30			
2			.09	.09	.23	196.09	.29	.55	.30			
3			.12	.12	193.97	197.62	.01	.49	.30			
4			.09	.23	194.04	.97	193.89	.47	.29			
5			.09	.22	193.93	196.90	.83	.45	.29			
6			193.28	193.20	194.34	195.79	193.79	193.43	193.33			
7			.10	.20	.28	.50	.83	.41	.38			
8			.08	.20	.24	.73	.71	.40	.33			
9			.05	.20	.40	.93	.91	.39	.30			
10			.04	.20	.45	.18	.75	.41	.30			
11			193.05	193.20	194.94	195.03	193.77	193.46	193.28			
12			.02	.20	.61	.23	.73	.41	.27			
13			.01	.20	194.33	.69	.69	.39	.26			
14			.01	.20	.08	.46	.69	.38	.27			
15			.03	194.65	.03	.09	.66	.41	.25			
16			193.14	195.25	194.01	194.75	193.63	193.38	193.24			
17			.30	194.49	195.23	.76	.60	.38				
18			.17	.34	196.73	.65	.57	.67				
19			.12	.06	195.34	.51	.55	.54				
20			.09	.08	195.33	.65	.54	.41				
21			193.09	194.07	195.25	194.35	193.53	193.42				
22			.05	.07	.96	.19	.61	.39				
23			.05	.54	.00	.11	.59	.38				
24			.28	.56	194.83	.06	.55	.37				
25			.28	.12	195.71	.21	.52	.35				
26			193.28	194.00	197.01	195.84	193.51	193.34				
27			.21	.00	195.47	.13	.52	.33				
28			.15	.81	.45	194.48	.53	.32				
29			.10	195.42	.73	.37	.56	.31				
30			.09	.39	196.28	.16	.56	.31				
31				194.33	.61		.54					
Mean			193.12	193.89	194.97	195.24	193.71	193.41				
Max.			193.30	195.42	197.01	197.97	194.43	193.67				
Min.			193.01	193.09	193.93	194.06	193.51	193.31				

WATER YEAR 1922 : Max. 197.97 m. Min. m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1			39	34	147	451	176	67	51			
2			34	34	147	481	156	72	51			
3			37	37	116	980	120	66	51			
4			34	45	124	1,162	107	65	50			
5			34	45	111	711	100	63	50			
6			49	43	163	422	96	61	53			
7			35	43	154	361	100	60	57			
8			34	43	149	409	88	59	53			
9			32	43	172	451	109	58	51			
10			31	43	179	300	92	60	51			
11			32	43	259	274	94	64	49			
12			30	43	205	309	90	60	49			
13			29	43	161	401	86	58	48			
14			29	43	128	353	86	57	49			
15			30	211	123	284	83	60	47			
16			38	313	120	227	80	57	46			
17			51	185	309	229	77	57				
18			41	163	658	211	74	84				
19			37	126	329	189	72	71				
20			34	128	327	211	71	60				
21			34	127	313	164	70	61				
22			32	127	458	142	78	58				
[illegible]			32	193	269	132	76	57				
			49	197	240	126	72	57				
[illegible]			49	133	405	144	69	55				
26			49	119	747	432	68	54				
27			44	119	355	291	69	53				
28			39	237	350	184	70	53				
29			35	344	409	167	73	52				
30			34	338	536	138	73	52				
31				161	625		71					
Total			1,107	3,803	8,788	10,336	2,746	1,811				
Mean			36.9	123	283	344	88.6	60.4				
Max.			51	344	747	1,162	176	84				
Min.			29	34	111	126	68	52				
Runoff - mcm.			95.645	328.579	759.283	893.030	237.254	156.470				

WATER YEAR 1922 : Max. 1,162 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 4	06.00	197.97	1,162				

WATER YEAR 1923
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at BanTha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + ~~198.70~~ 192.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

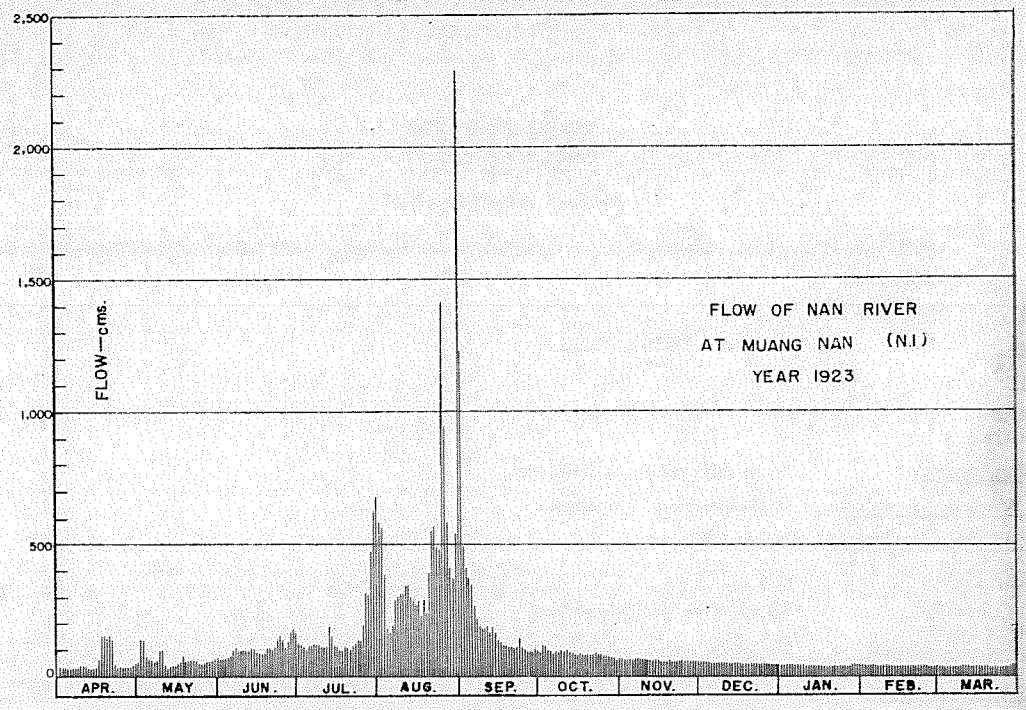
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	193.03	193.33	193.40	194.08	196.43	196.84	193.72	193.42	193.31	193.14	193.14	193.02
2	.02	194.16	.42	.04	.38	195.90	.98	.40	.31	.14	.14	.02
3	.06	.14	.42	193.90	195.47	.69	.93	.39	.30	.13	.14	.02
4	.04	193.39	.44	.78	194.39	.50	.77	.38	.29	.13	.14	.02
5	.03	.44	193.58	.93	.35	.40	.75	.39	.28	.13	.13	.01
6	193.03	193.44	193.78	193.96	194.41	194.91	193.62	193.43	193.28	193.12	193.11	193.02
7	.06	.31	.90	194.03	195.09	.67	.73	.44	.26	.12	.11	.02
8	.06	.38	.74	193.98	.15	.50	.68	.41	.25	.12	.10	.02
9	.13	.79	.76	.97	.25	.43	.81	.38	.25	.11	.10	.04
10	.13	.83	.78	.88	.23	.45	.68	.36	.24	.11	.10	.04
11	193.10	193.10	193.81	193.87	195.40	194.49	193.81	193.35	193.24	193.10	193.10	193.04
12	.03	192.96	.77	.98	.41	.31	.72	.34	.23	.10	.08	.04
13	.00	193.12	.92	194.47	.15	.48	.64	.35	.23	.10	.08	.02
14	192.99	.14	.86	.16	.09	.26	.60	.35	.22	.10	.08	.02
15	193.03	.12	.72	193.92	.00	.11	.57	.36	.22	.09	.08	.02
16	193.16	193.29	193.63	193.88	195.11	194.08	193.69	193.34	193.21	193.09	193.07	193.02
17	194.28	.26	.63	.81	194.66	193.95	.61	.33	.21	.09	.07	.02
18	.28	.55	.63	.76	195.15	.91	.61	.35	.20	.09	.06	.01
19	.11	.30	.84	194.00	194.71	.87	.59	.36	.19	.08	.06	192.99
20	.28	.36	.85	193.88	195.63	.88	.59	.34	.19	.08	.06	.99
21	194.16	193.41	193.80	193.79	196.35	193.84	193.63	193.33	193.18	193.07	193.04	192.99
22	193.14	.38	.90	.98	.40	.89	.69	.34	.18	.07	.04	.99
23	193.09	.31	194.12	194.01	.00	194.18	.60	.34	.18	.06	.04	.99
24	.08	.19	.28	.14	195.50	193.85	.58	.35	.18	.06	.04	.99
25	.08	.28	.07	.09	198.40	.80	.57	.34	.17	.08	.04	.99
26	193.06	193.25	193.90	194.67	196.93	193.78	193.55	193.33	193.17	193.08	193.03	192.99
27	.07	.31	.84	195.24	.14	.76	.53	.33	.16	.08	.03	.99
28	.06	.33	194.35	.18	195.57	.71	.50	.32	.16	.16	.03	193.13
29	.14	.36	.42	196.61	.30	.85	.48	.32	.16	.15	.03	.13
30	.28	.41	.29	.79	196.19	193.76	.35	.32	.15	.15		.13
31		.54		.48	199.71		.44		.15	.15		.05
Mean	193.27	193.39	193.83	194.33	195.67	194.40	193.64	193.36	193.22	193.10	193.08	193.02
Max.	194.28	194.16	194.42	196.79	199.71	196.84	193.98	193.44	193.31	193.16	193.14	193.13
Min.	192.99	193.10	193.40	193.76	194.35	193.76	193.35	193.32	193.15	193.06	193.03	192.99

WATER YEAR 1923 : Max. 199.71 m. Min. 192.99 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	30	53	59	128	574	691	89	61	52	38	38	30
2	30	138	61	124	561	445	117	59	52	38	38	30
3	32	136	61	108	355	401	111	58	51	37	38	30
4	31	58	62	95	170	361	94	57	50	37	38	30
5	30	62	75	111	164	340	92	58	49	37	37	29
6	30	62	95	115	173	254	79	61	49	37	36	30
7	32	52	108	123	284	214	90	62	48	37	36	30
8	32	57	91	117	295	187	85	60	47	37	35	30
9	37	96	93	116	313	176	98	57	47	36	35	31
10	37	100	95	106	309	179	85	56	46	36	35	31
11	35	35	98	105	340	185	98	55	46	35	35	31
12	30	25	94	117	342	158	89	54	45	35	34	31
13	28	37	110	182	295	184	81	55	45	35	34	30
14	27	38	104	138	284	151	77	55	45	35	34	30
15	30	37	89	110	269	132	74	56	45	34	34	30
16	40	50	80	106	288	128	86	54	44	34	33	30
17	154	48	80	98	213	113	78	53	44	34	33	30
18	154	72	80	93	295	109	78	55	43	34	32	29
19	132	51	101	119	221	105	76	56	42	34	32	27
20	154	56	102	106	388	106	76	54	42	34	32	27
21	138	60	97	96	553	101	80	53	41	33	31	27
22	38	57	108	117	566	107	86	54	41	33	31	27
23	34	52	133	120	466	141	77	54	41	32	31	27
24	34	42	154	136	361	102	75	55	41	32	31	27
25	34	49	127	129	1,409	97	74	54	41	34	31	27
26	32	47	108	214	721	95	72	53	41	34	30	27
27	33	52	101	311	501	93	70	53	40	34	30	27
28	32	53	164	300	376	88	67	53	40	40	30	37
29	38	56	175	625	322	102	65	53	40	39	30	37
30	49	60	156	675	513	93	55	53	39	39		37
31		71		588	2,287		62		39	39		32
Total	1,567	1,862	3,061	5,628	14,208	5,643	2,536	1,671	1,376	1,103	974	928
Mean	52.2	60.1	102	181	458	188	81.8	55.7	44.4	35.6	33.6	29.9
Max.	154	138	175	675	2,287	691	117	62	52	39	38	37
Min.	27	35	59	93	164	93	55	53	39	32	30	27
Runoff - mcm.	135.389	160.877	264.470	486.259	1,227.571	487.555	219.110	144.374	118.886	95.299	84.154	80.179

WATER YEAR 1923 : Max. 2,287 Min. 27 Mean 111 Annual Runoff 3,504.125 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 31	06.00	199.71	2,287				

WATER YEAR 1924
NAN RIVER BASIN

Nan River at Muang Nan (N.1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at ~~t 198.70 m.~~ (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float: –

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

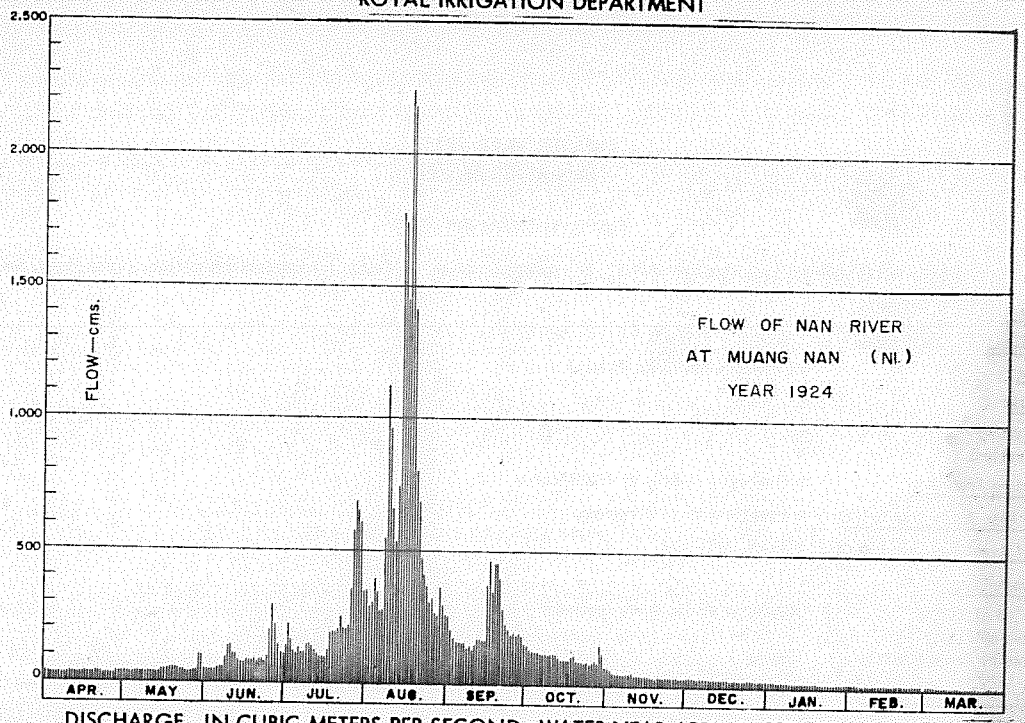
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	193.05	193.13	193.28	194.04	195.46	194.93	194.23	193.48	193.02	192.89	192.70	192.64
2	.03	.14	.28	.71	.14	.49	.11	.36	.02	.89	.70	.64
3	.03	.14	.27	.25	.10	.40	.05	.25	.03	.85	.68	.64
4	.00	.14	.27	.01	.68	.29	.05	.23	.01	.85	.68	.64
5	.00	.14	.32	193.85	.39	.31	.01	.21	.01	.85	.68	.62
6	192.99	193.15	193.35	194.17	195.03	194.23	193.98	193.20	193.01	192.85	192.68	192.62
7	.99	.15	.36	193.99	.07	.29	.96	.20	.00	.84	.68	.62
8	193.00	.15	.75	.95	196.48	.11	.96	.19	.01	.84	.66	.62
9	.00	.15	194.17	194.20	197.39	.20	.94	.22	.00	.82	.66	.62
10	.08	.16	.21	.23	.51	.07	.99	.22	.00	.82	.66	.62
11	193.08	193.15	193.88	194.13	196.38	194.21	193.96	193.15	192.99	192.81	192.66	192.62
12	.08	.15	.88	193.98	.09	.33	.94	.15	.99	.81	.66	.62
13	.08	.15	.65	.90	.91	.39	.85	.12	.97	.81	.66	.62
14	.08	.15	.60	.81	198.97	.32	.73	.12	.98	.79	.69	.61
15	.08	.26	.57	193.81	.91	.33	.75	.10	.97	.79	.70	.61
16	193.08	193.26	193.65	193.80	198.28	195.59	193.76	193.10	192.97	192.79	192.69	192.61
17	.06	.26	.69	194.03	199.64	.99	.75	.09	.96	.79	.70	.61
18	.06	.30	.66	.55	.50	.27	.89	.08	.96	.74	.68	.61
19	.13	.30	.66	.56	198.11	.95	.91	.00	.95	.74	.68	.59
20	.13	.30	.55	.54	196.91	.94	.71	.07	.94	.74	.68	.59
21	193.13	193.24	193.70	194.59	196.82	195.37	193.70	193.04	192.94	192.72	192.68	192.59
22	192.99	.24	.70	.87	195.83	194.91	.71	.03	.94	.72	.66	.58
23	.99	.24	.59	.61	.67	.75	.63	.04	.93	.72	.66	.58
24	.99	.15	.80	.61	195.47	.61	.70	.06	.93	.72	.66	.58
25	.99	.15	194.61	.61	.17	.47	.59	.03	.93	.72	.66	.58
26	192.99	193.15	195.13	195.24	195.29	194.55	193.71	193.03	192.92	192.72	192.65	192.53
27	.99	.17	194.54	196.50	194.95	.42	.69	.03	.92	.71	.64	.53
28	193.13	.17	194.21	.83	.94	.55	.54	.01	.92	.71	.64	.53
29	.13	.86	193.93	.63	195.51	.49	194.25	.01	.91	.71		.53
30	.13	.86	193.87	.48	.08	.26	193.67	.03	.91	.71		.53
31		.28		195.42	194.93		.43		.91	.70		.53
Mean	193.05	193.23	193.77	194.61	196.39	194.67	193.84	193.13	192.97	192.78	192.67	192.59
Max.	193.13	193.86	195.13	196.83	199.64	195.99	194.25	193.48	193.03	192.89	192.70	192.64
Min.	192.99	193.13	193.27	193.80	194.93	194.23	193.43	193.00	192.91	192.70	192.64	192.53

WATER YEAR 1924 : Max. 199.64 m. Min. 192.53 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	32	37	49	124	353	257	147	65	30	22	13	11
2	30	38	49	221	293	185	132	56	30	22	13	11
3	30	38	49	150	286	172	125	47	30	20	12	11
4	28	38	49	120	399	156	125	45	29	20	12	11
5	28	38	53	102	338	158	120	44	29	20	12	9.80
6	27	39	55	139	274	147	117	43	29	20	12	9.80
7	27	39	56	118	281	156	115	43	28	20	12	9.80
8	28	39	92	113	588	132	115	42	29	20	11	9.80
9	28	39	139	143	1,120	143	112	45	28	19	11	9.80
10	34	40	144	147	929	127	118	45	28	19	11	9.80
11	34	39	106	135	561	144	115	39	27	18	11	9.80
12	34	39	106	117	488	161	112	39	27	18	11	9.80
13	34	39	82	108	714	170	102	37	26	18	11	9.80
14	34	39	77	98	1,773	160	90	37	27	17	13	9.40
15	34	48	74	98	1,733	161	92	35	26	17	13	9.40
16	34	48	82	97	1,337	380	93	35	26	17	13	9.40
17	32	48	86	123	2,238	464	92	34	25	17	13	9.40
18	32	51	83	195	2,140	317	107	34	25	15	12	9.40
19	37	51	83	197	1,239	455	109	28	25	15	12	8.70
20	37	51	72	193	714	453	88	33	24	15	12	8.70
21	37	46	87	201	685	335	87	31	24	14	12	8.70
22	27	46	87	247	430	254	88	30	24	14	11	8.40
23	27	46	76	205	397	227	80	31	24	14	11	8.40
24	27	39	97	205	355	205	87	32	24	14	11	8.40
25	27	39	205	205	299	182	76	30	24	14	11	8.40
26	27	39	291	311	320	195	88	30	23	14	11	6.90
27	27	41	193	594	260	175	86	30	23	13	11	6.90
28	37	41	144	688	259	195	71	29	23	13	11	6.90
29	37	104	111	630	363	185	150	29	23	13		6.90
30	37	104	105	588	283	151	84	30	23	13		6.90
31		49		344	257		61		23	13		6.90
Total	944	1,432	2,982	6,956	21,706	6,602	3,184	1,128	806	518	329	280.3
Mean	31.5	46.2	99.4	224	700	220	103	37.6	26.0	16.7	11.7	9.04
Max.	37	104	291	688	2,238	464	150	65	30	22	13	11
Min.	27	37	49	97	257	127	61	28	23	13	11	6.90
Runoff - mcm.	81.562	123.725	257.645	600.998	1,875.398	570.413	275.098	97.459	69.638	44.755	28.426	24.218

WATER YEAR 1924 : Max. 2,238 Min. 6.90 Mean 128 Annual Runoff 4,049.335 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 17	12.00	199.64	2,238				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1925
NAN RIVER BASIN

Nan River at Muang Nan (N.1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: ~~192.70~~ on top at ~~196.70~~ m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1922-56, 1961-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

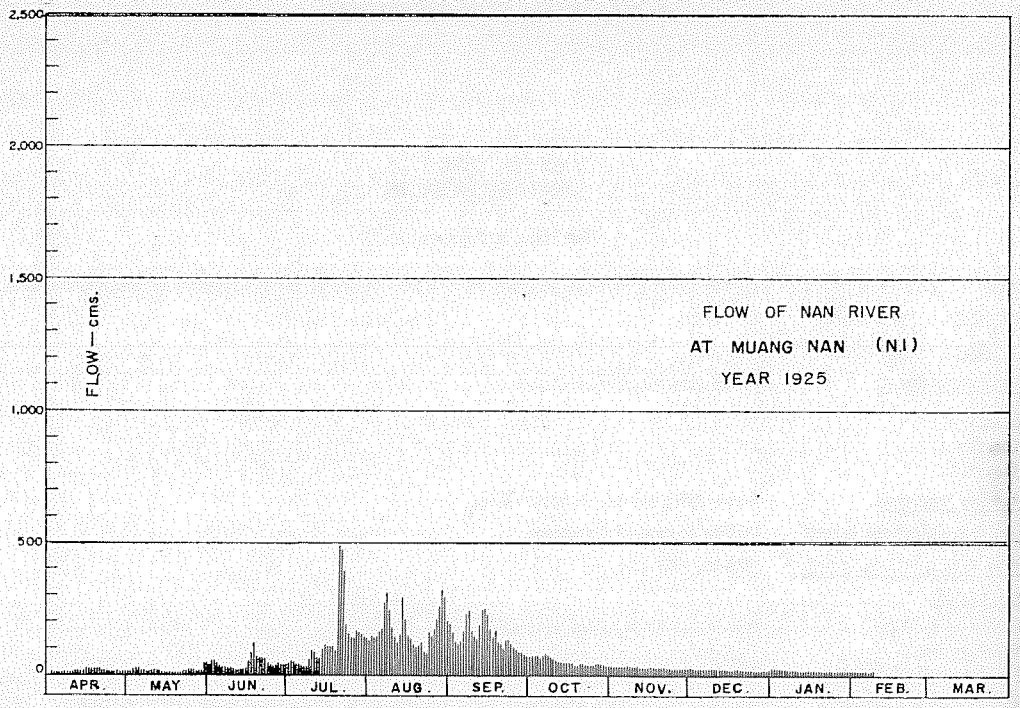
Remarks: No records for period February 8 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	192.51	192.64	193.12	193.22	194.09	194.55	193.50	193.07	192.95	192.98	192.71	
2	.51	.64	.31	.37	.25	.29	.54	.06	.94	.95	.71	
3	.51	.88	.34	.32	.19	.09	.53	.05	.92	.89	.70	
4	.50	.98	.20	.20	.21	193.93	.58	.04	.92	.85	.70	
5	.50	.93	.01	.16	.34	194.06	.46	.04	.90	.83	.70	
6	192.50	192.82	192.95	193.14	194.13	194.40	193.53	193.04	192.89	192.82	192.70	
7	.50	.78	.98	.09	195.13	.74	.64	.03	.88	.81	.69	
8	.52	.64	.93	.10	.27	.85	.55	.03	.88	.80		
9	.54	.64	.96	.32	194.92	.37	.47	.02	.86	.79		
10	.54	.68	.86	.77	.43	.19	.40	.02	.86	.79		
11	192.72	192.77	192.82	193.71	194.15	194.06	193.36	193.01	192.86	192.79		
12	.72	.66	.85	.43	.01	.43	.29	192.99	.86	.79		
13	.72	.67	.84	.36	.25	.88	.25	.99	.86	.79		
14	.72	.62	.86	.83	195.15	.92	.22	.97	.86	.80		
15	.88	.59	.96	.98	194.55	.76	.20	.96	.85	.80		
16	192.88	192.58	193.29	193.89	194.24	194.36	193.28	193.08	192.84	192.78		
17	.88	.57	.69	.92	.15	.12	.17	192.97	.84	.78		
18	.88	.55	194.05	.92	193.95	.39	.09	.96	.84	.78		
19	.88	.56	193.55	.75	.91	.05	.09	.95	.84	.77		
20	.88	.55	.47	.73	.89	193.98	.23	.95	.83	.77		
21	192.77	192.56	193.44	196.09	194.05	193.69	193.16	192.95	192.83	192.76		
22	.65	.67	.42	.03	193.82	194.12	.13	.94	.82	.76		
23	.65	.69	.17	194.68	194.51	.12	.11	.94	.82	.75		
24	.65	.82	.14	.29	.34	193.99	.13	.94	.82	.75		
25	.64	.83	.05	.27	.22	.90	.15	.93	.81	.74		
26	192.64	192.74	193.06	194.05	194.45	193.74	193.17	192.93	192.81	192.74		
27	.64	.69	.29	.38	.73	.69	.17	.93	.81	.73		
28	.64	.72	.17	.33	.96	.69	.16	.92	.80	.73		
29	.64	.74	.14	.29	195.31	.61	.11	.92	.79	.72		
30	.64	193.19	.16	.19	.01	.53	.09	.92	.81	.72		
31		.24		.19	194.61		.08		.89	.71		
Mean	192.66	192.73	193.17	193.90	194.39	194.18	193.28	192.98	192.85	192.79		
Max.	192.88	193.24	194.05	196.09	195.31	194.92	193.64	193.07	192.95	192.98		
Min.	192.50	192.55	192.82	193.09	193.51	193.53	193.08	192.92	192.79	192.71		

WATER YEAR 1925 : Max. 196.09 m. Min. 192.50 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	6.30	11	37	45	129	195	67	33	25	27	13	
2	6.30	11	52	57	150	156	71	32	24	25	13	
3	6.30	22	54	53	142	129	70	32	23	22	13	
4	6.00	27	43	43	144	111	75	31	23	20	13	
5	6.00	24	29	40	163	126	64	31	23	19	13	
6	6.00	19	25	38	135	172	70	31	22	19	13	
7	6.00	17	27	34	291	225	81	30	22	18	13	
8	6.60	11	24	35	317	243	72	30	22	17		
9	7.20	11	25	53	225	167	65	30	21	17		
10	7.20	12	21	94	176	142	59	30	21	17		
11	14	16	19	88	137	126	56	29	21	17		
12	14	11	20	61	120	176	50	27	21	17		
13	14	12	20	56	150	249	47	27	21	17		
14	14	9.80	21	100	295	255	45	26	21	17		
15	22	8.70	25	117	195	229	43	25	20	17		
16	22	8.40	50	107	150	166	49	34	20	17		
17	22	8.10	86	110	137	133	41	26	20	17		
18	22	7.50	125	110	113	170	34	25	20	17		
19	22	7.80	72	92	109	125	34	25	20	16		
20	22	7.50	65	90	107	117	45	25	19	16		
21	16	7.80	62	488	125	86	40	25	19	16		
22	11	12	61	473	99	133	37	24	19	16		
23	11	13	41	216	190	133	36	24	19	15		
24	11	19	38	156	163	118	37	24	19	15		
25	11	19	32	153	146	108	39	24	18	15		
26	11	15	32	125	179	91	41	24	18	15		
27	11	13	50	169	224	86	41	24	18	14		
28	11	14	41	161	262	36	40	23	17	14		
29	11	15	38	156	324	78	36	23	17	14		
30	11	42	40	142	271	70	34	23	18	14		
31		46		142	205		34		22	13		
Total	366.9	477.6	1,275	3,804	5,573	4,401	1,553	817	633	530		
Mean	12.2	15.4	42.5	123	180	147	50.1	27.2	20.4	17.1		
Max.	22	46	125	488	324	255	81	33	25	27		
Min.	6.00	7.50	19	34	68	70	34	23	17	13		
Runoff - mcm.	31.700	41.265	110.160	328.666	481.507	380.246	134.179	70.589	54.691	45.792		

WATER YEAR 1925 : Max. 488 Min. 6.00 Mean 55.0 Annual Runoff 1,734.610 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Jul. 21		196.09	488				

WATER YEAR 1926
NAN RIVER BASIN

Nan River at Muang Nan (N.1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: on top at + ~~198.70~~ m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

Gage Reading Frequency: 1-time daily reading at 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56, at N. 1A, 2 km. upstream.

Rated by Float: –

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

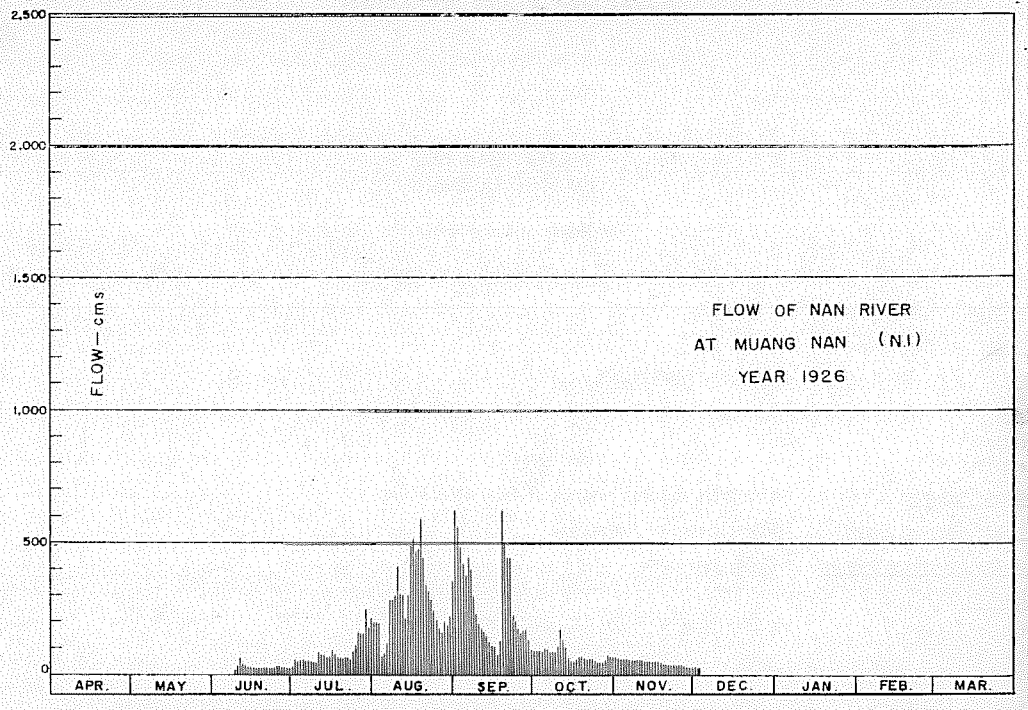
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1954-56. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 – June 8 and December 4 – March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				192.96	194.57	196.58	193.70	193.43	192.98			
2				193.37	.57	.28	.70	.38	.94			
3				.28	.53	195.93	.72	.39	.94			
4				.38	193.48	195.78	.70	.38				
5				.39	.63	.48	.83	.38				
6				193.28	193.59	195.88	193.80	193.33				
7				.31	195.08	.58	.68	.33				
8				.31	.07	.03	.64	.32				
9			192.68	.18	.17	194.68	.69	.33				
10			.98	.28	.73	.48	.88	.34				
11			193.45	193.68	195.18	194.38	194.38	193.30				
12			.08	.58	.18	.28	193.98	.28				
13			.08	.58	194.68	.18	.88	.26				
14			192.95	.48	194.53	193.98	.38	.26				
15			.95	.48	196.08	.87	.28	.24				
16			192.95	193.78	196.18	193.88	193.28	193.24				
17			.87	.58	195.98	.58	.38	.22				
18			.94	.48	196.03	.53	.48	.18				
19			.89	.48	.48	196.58	.43	.14				
20			.95	.48	195.78	195.88	.39	.10				
21			192.95	193.50	195.38	195.88	193.38	193.08				
22			.94	.47	195.28	.88	.38	.06				
23			.94	.33	194.98	194.78	.38	.06				
24			.93	.70	.78	.58	.23	.04				
25			193.08	.88	.58	.38	.20	.04				
26			193.08	194.32	194.38	194.28	193.20	193.02				
27			192.97	.28	.23	.38	.20	.02				
28			.97	.23	.58	.38	.38	.00				
29			.96	.88	.48	193.88	.58	192.98				
30			.96	.38	.67	.73	.48	.98				
31				.68	195.03		.48					
Mean				193.64	194.96	194.87	193.55	193.20				
Max.				194.88	196.48	196.58	194.38	193.43				
Min.				192.96	193.48	193.53	193.20	192.98				

WATER YEAR 1926 : Max. 196.58 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				25	198	616	87	61	27			
2				57	198	536	87	57	24			
3				49	192	450	89	57	24			
4				57	65	420	87	57				
5				58	80	357	100	57				
6				49	76	441	97	53				
7				52	283	378	85	53				
8				52	281	274	81	53				
9			12	41	299	216	86	53				
10			27	49	409	184	106	54				
11			63	85	300	169	169	51				
12			34	73	300	154	117	49				
13			34	73	216	141	106	48				
14			25	65	192	117	57	48				
15			25	65	486	105	49	46				
16			25	95	511	106	49	46				
17			21	75	462	75	57	45				
18			24	65	473	70	65	41				
19			22	65	588	616	61	38				
20			25	65	420	441	58	35				
21			25	67	336	441	57	34				
22			24	65	318	441	57	32				
23			24	53	266	232	57	32				
24			24	87	232	200	45	31				
25			34	106	200	169	43	31				
26			34	160	169	154	43	30				
27			26	154	147	169	43	30				
28			26	147	200	169	57	28				
29			25	249	184	106	75	27				
30			25	169	214	90	65	27				
31				216	274		65					
Total				2,688	8,569	8,037	2,300	1,304				
Mean				86.7	276	268	74.2	43.5				
Max.				249	588	616	169	61				
Min.				25	65	70	43	27				
Runoff - mcm.				232.243	740.362	694.397	198.720	112.666				

WATER YEAR 1926 : Max. 616 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 1		196.58	616				

WATER YEAR 1927
NAN RIVER BASIN

Nan River at Muang Nan (N.1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily readings readings at 18.00 hour.

Basis of MeanDaily Gage Height: Arithmetic mean of 1 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56, at N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

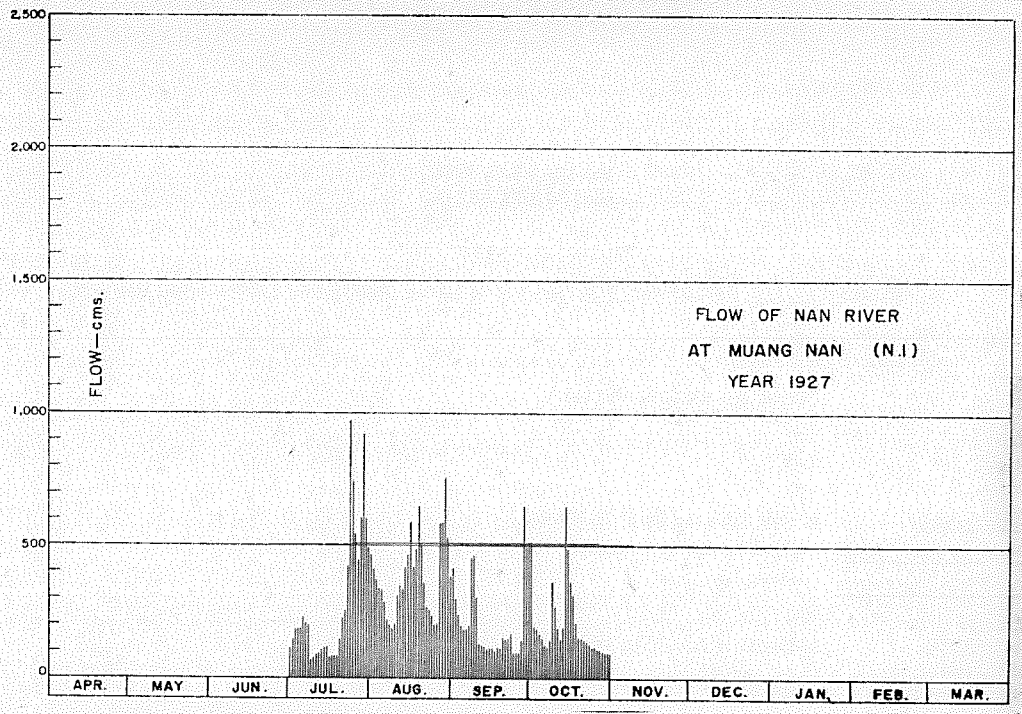
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 - June 30 and November 1 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				193.88	195.98	195.76	196.18					
2				194.18	.68	194.98	194.48					
3				.46	.53	.78	.48					
4				.48	.38	.53	.38					
5				.48	.38	.46	.28					
6				194.78	195.08	194.46	194.08					
7				.63	194.58	.48	193.98					
8				.58	.58	195.94	.88					
9				193.48	.48	.98	195.48					
10				.58	.38	194.28	194.98					
11				193.73	195.28	194.08	194.44					
12				.78	.45	.08	194.23					
13				.88	.18	193.98	.28					
14				.98	.88	.88	196.68					
15				.98	.98	.94	195.68					
16				193.58	196.48	193.94	195.48					
17				.68	195.68	.83	194.98					
18				.68	196.03	.98	.48					
19				.63	.68	.94	.28					
20				194.23	195.78	194.28	.37					
21				194.78	195.38	194.23	194.19					
22				.93	194.98	.38	.15					
23				196.00	.93	.38	.08					
24				197.58	.78	193.78	193.98					
25				196.58	.56	.78	.98					
26				196.18	194.53	193.83	193.88					
27				195.58	196.48	.79	.83					
28				196.68	.46	196.68	.80					
29				197.48	197.02	.08	.78					
30				196.18	195.78	.18	.78					
31				195.98	.56		.73					
Mean				194.79	195.48	194.56	194.46					
Max.				197.58	197.02	196.68	196.68					
Min.				193.48	194.38	193.78	193.73					

WATER YEAR 1927 : Max. 197.58 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				106	462	416	511					
2				141	399	266	184					
3				184	367	232	184					
4				184	336	192	169					
5				184	336	181	154					
6				232	283	181	128					
7				208	200	184	117					
8				200	200	453	106					
9				65	184	462	357					
10				75	169	154	266					
11				90	318	128	178					
12				95	350	128	147					
13				106	300	117	154					
14				117	441	106	644					
15				117	462	112	399					
16				75	588	112	357					
17				85	399	100	266					
18				85	473	117	184					
19				80	644	112	154					
20				147	420	154	153					
21				232	336	147	142					
22				257	266	169	137					
23				466	257	169	128					
24				961	232	95	117					
25				616	197	95	117					
26				511	192	100	106					
27				378	588	96	100					
28				644	588	644	97					
29				917	751	486	95					
30				511	420	511	95					
31				462	374		90					
Total				8,531	11,532	6,419	6,036					
Mean				275	372	214	195					
Max.				961	751	644	644					
Min.				65	169	95	90					
Runoff - mcm.				737.078	996.365	554.602	531.510					

WATER YEAR 1927 : Max. 961 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
July 24		197.58	961				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1928
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56, at N.1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

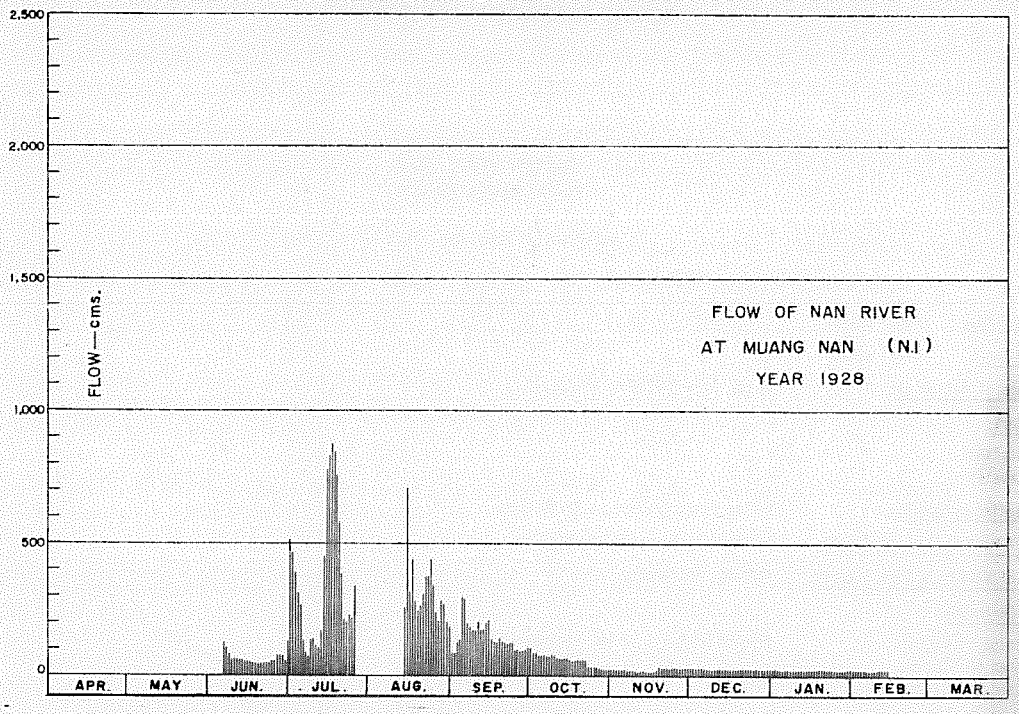
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 - June 4, July 27 - August 13 and February 15 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				196.18		193.68	193.88	192.88	193.03	192.90	192.86	
2				195.88		.68	.68	.88	.01	.90	.86	
3				.56		194.08	.68	.88	.01	.90	.86	
4				.28		.08	.58	.88	192.98	.90	.86	
5			195.94	194.98		195.16	.58	.88	.98	.90	.86	
6			194.08	194.08		195.08	193.58	192.88	192.98	192.89	192.86	
7			193.78	193.58		194.38	.58	.83	.96	.88	.86	
8			.58	.58		.48	.58	.83	.96	.88	.86	
9			.38	194.16		.38	.60	.83	.95	.87	.86	
10			.38	.16		.38	.58	.83	.95	.87	.86	
11			193.36	193.88		194.58	193.43	192.83	192.95	192.87	192.86	
12			.35	.88		.38	.43	.83	.95	.86	.86	
13			.33	194.18		.44	.43	.83	.94	.86	.86	
14			.33	195.88	194.88	.58	.43	.83	.94	.86	.86	
15			.33	197.08	196.88	.62	.43	.83	.94	.86		
16			193.28	197.18	194.78	194.08	193.38	192.83	192.94	192.86		
17			.28	.38	195.88	.08	.38	.83	.93	.86		
18			.24	.28	194.73	.08	.38	.88	.93	.86		
19			.19	196.93	.88	.18	.38	193.08	.93	.86		
20			.19	.23	.98	.05	.38	.01	.93	.86		
21			193.19	194.68	195.28	193.98	193.38	193.01	192.93	192.86		
22			.19	.63	.58	.98	.38	192.99	.93	.86		
23			.19	.58	.48	194.03	.08	.99	.93	.86		
24			.33	195.35	.86	.08	.08	.99	.93	.86		
25			.33	194.55	194.88	193.78	.08	.99	.93	.86		
26			193.60	195.38	194.78	193.78	193.08	193.01	192.93	192.86		
27			.58		.56	.73	.03	192.99	.93	.86		
28			.58		195.07	.78	192.88	193.00	.93	.86		
29			.38		194.98	.78	.88	193.03	.93	.86		
30			.33		.53	.88	.88	193.03	.93	.86		
31					.48		.88		.93	.86		
Mean						194.17	193.35	192.91	192.95	192.87		
Max.						195.16	193.88	193.08	193.03	192.90		
Min.						193.68	192.88	192.83	192.93	192.86		

WATER YEAR 1928 : Max. m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				511		85	106	22	30	23	21	
2				441		85	85	22	29	23	21	
3				378		128	85	22	29	23	21	
4				318		128	75	22	27	23	21	
5			453	266		297	75	22	27	23	21	
6			128	128		283	75	22	27	22	21	
7			95	75		169	75	19	25	22	21	
8			75	75		184	75	19	25	22	21	
9			57	138		169	77	19	25	21	21	
10			57	138		169	75	19	25	21	21	
11			56	106		200	61	19	25	21	21	
12			55	106		169	61	19	25	21	21	
13			53	141		178	61	19	24	21	21	
14			53	441	249	200	61	19	24	21	21	
15			53	772	704	206	61	19	24	21		
16			49	807	232	128	57	19	24	21		
17			49	878	441	128	57	19	24	21		
18			46	842	224	128	57	22	24	21		
19			42	721	249	141	57	34	24	21		
20			42	523	266	125	57	29	24	21		
21			42	216	318	117	57	29	24	21		
22			42	208	378	117	57	27	24	21		
23			42	200	357	123	34	27	24	21		
24			53	331	437	128	34	27	24	21		
25			53	195	249	95	34	27	24	21		
26			77	336	232	95	34	29	24	21		
27			75		197	90	30	27	24	21		
28			75		381	95	22	28	24	21		
29			57		266	95	22	30	24	21		
30			53		192	106	22	30	24	21		
31					184		22		24	21		
Total						4,361	1,761	707	775	664		
Mean						145	56.8	23.6	25.0	21.4		
Max.						297	106	34	30	23		
Min.						85	22	19	24	21		
Runoff - MCM.						376.790	152.150	61.085	66.960	57.370		

WATER YEAR 1928 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1929
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at BanTha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: on top at + ~~198.70~~ m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float:

Rated by Current Meter: 1954-56.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

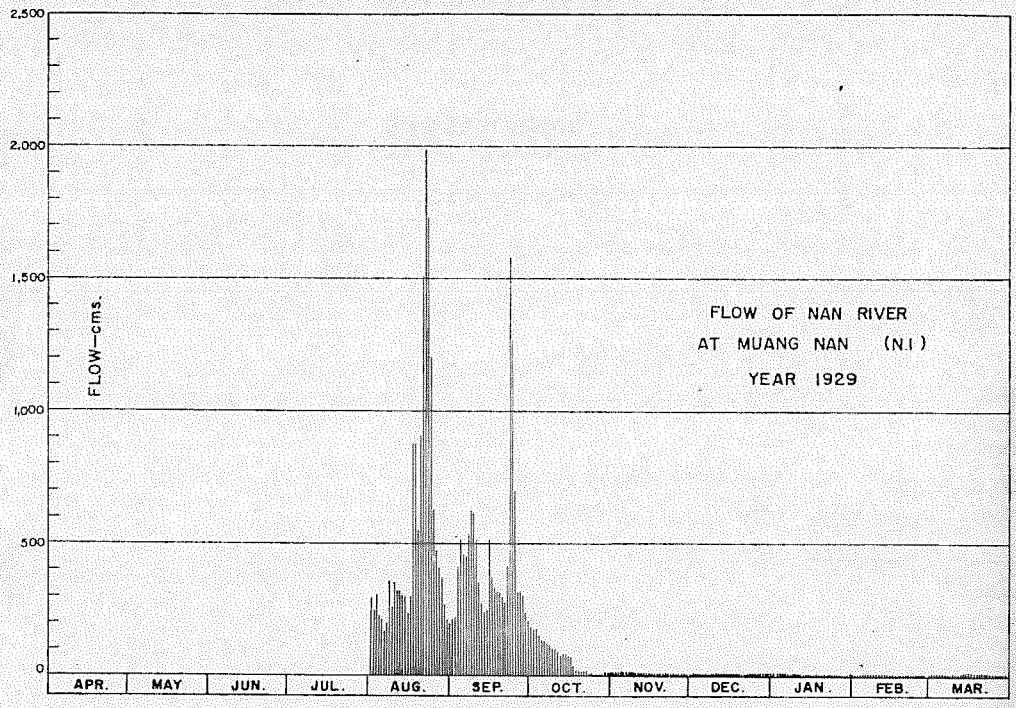
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 - July 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					195.18	194.68	194.48	192.70	192.70	192.64	192.59	192.55
2					194.68	.65	.43	.70	.70	.64	.59	.55
3					195.23	197.87	.43	.72	.72	.64	.59	.55
4					194.71	196.18	.20	.72	.72	.64	.59	.55
5					.68	195.98	.12	.72	.72	.64	.59	.55
6					194.35	195.94	194.10	192.73	192.72	192.64	192.58	192.55
7					.58	196.28	.04	.73	.70	.62	.58	.55
8					195.48	.61	193.90	.73	.69	.62	.58	.54
9					194.78	.58	.84	.73	.69	.62	.58	.54
10					195.48	.15	.78	.73	.70	.62	.58	.54
11					195.30	195.08	193.74	192.73	192.68	192.62	192.58	192.54
12					.30	194.98	.58	.68	.68	.62	.58	.54
13					.23	.88	.68	.68	.68	.62	.58	.54
14					.18	.68	.65	.68	.70	.61	.57	.54
15					194.78	196.18	.56	.68	.70	.61	.57	.54
16					194.88	195.38	193.52	192.67	192.70	192.61	192.57	192.54
17					197.38	.36	192.88	.67	.70	.61	.57	.54
18					.38	.28	.84	.67	.70	.61	.57	.53
19					195.88	.28	.82	.67	.68	.59	.57	.53
20					197.46	.18	.79	.68	.68	.59	.56	.53
21					198.48	194.98	192.78	192.68	192.68	192.60	192.56	192.53
22					199.28	195.98	.78	.68	.68	.60	.56	.53
23					198.78	198.68	.56	.66	.66	.60	.56	.53
24					197.58	197.58	.58	.66	.68	.60	.56	.53
25					196.18	196.08	.58	.66	.66	.60	.56	.53
26					195.98	195.18	192.54	192.66	192.66	192.61	192.56	192.52
27					.65	.28	.54	.68	.66	.61	.56	.52
28					.36	.17	.54	.68	.66	.60	.56	.55
29					194.88	194.68	.72	.68	.70	.60		.55
30					.68	.63	.72	.68	.69	.59		.55
31					.53		.70			.64		.55
Mean					195.78	195.71	193.34	192.69	192.69	192.61	192.57	192.54
Max.					199.28	198.68	194.48	192.73	192.72	192.64	192.59	192.55
Min.					194.35	194.63	192.54	192.66	192.66	192.59	192.56	192.52

WATER YEAR 1929 : Max. 199.28 m. Min. 192.52 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					300	216	184	13	13	11	8.70	7.50
2					216	211	176	13	13	11	8.70	7.50
3					309	1,109	176	14	14	11	8.70	7.50
4					221	511	143	14	14	11	8.70	7.50
5					216	462	133	14	14	11	8.70	7.50
6					164	453	131	14	14	11	8.40	7.50
7					200	536	124	14	13	9.80	8.40	7.50
8					357	625	108	14	13	9.80	8.40	7.20
9					232	616	101	14	13	9.80	8.40	7.20
10					357	503	95	14	13	9.80	8.40	7.20
11					322	283	91	14	12	9.80	8.40	7.20
12					322	266	75	12	12	9.80	8.40	7.20
13					309	249	85	12	12	9.80	8.40	7.20
14					300	216	82	12	13	9.40	8.10	7.20
15					232	511	73	12	13	9.40	8.10	7.20
16					249	336	69	12	13	9.40	8.10	7.20
17					878	333	22	12	13	9.40	8.10	7.20
18					878	318	20	12	13	9.40	8.10	6.90
19					441	318	19	12	12	8.70	8.10	6.90
20					917	300	17	12	12	8.70	7.80	6.90
21					1,457	266	17	12	12	9.00	7.80	6.90
22					1,986	462	17	12	12	9.00	7.80	6.90
23					1,646	1,579	8.40	11	12	9.00	7.80	6.90
24					961	961	8.40	11	12	9.00	7.80	6.90
25					511	486	8.40	11	11	9.00	7.80	6.90
26					462	300	7.20	11	11	9.40	7.80	6.60
27					392	318	7.20	12	11	9.40	7.80	6.60
28					333	299	7.20	12	11	9.00	7.80	7.50
29					249	216	14	12	11	9.00		7.50
30					216	208	14	12	13	8.70		7.50
31					192		13		13	11		7.50
Total					15,825	13,467	2,045.80	376	388	300.50	229.50	222.90
Mean					510	449	66.0	12.5	12.5	9.69	8.20	7.19
Max.					1,986	1,579	164	14	14	11	8.70	7.50
Min.					164	208	7.20	11	11	8.70	7.80	6.60
Runoff - mcm.					1,367.280	1,163.549	176.757	32.486	33.523	25.963	19.829	19.258

WATER YEAR 1929 : Max. 1,986 Min. 6.60 Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 22		199.28	1,986				

WATER YEAR 1930
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily readings at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1 reading.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

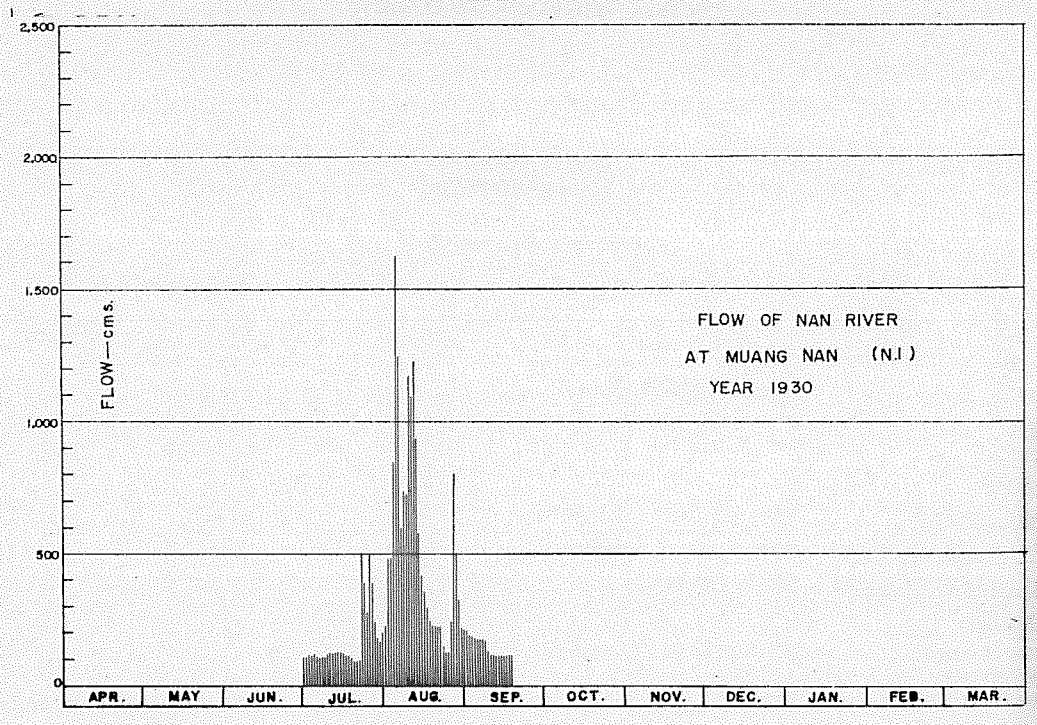
General Description: Records fair, stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 - June 30 and September 19 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				193.86	194.78	194.62						
2				.90	196.08	.49						
3				.98	.08	.49						
4				.98	197.68	.46						
5				194.02	198.75	.43						
6				193.90	197.68	194.43						
7				.88	196.18	.43						
8				.88	.98	.38						
9				.88	.93	193.98						
10				194.08	197.99	.98						
11				194.08	197.78	193.96						
12				.08	198.08	.96						
13				.08	196.77	.94						
14				.08	195.88	.94						
15				.08	.58	.94						
16				194.03	195.18	193.96						
17				193.95	194.98	.98						
18				.95	.78	194.00						
19				.86	.76							
20				.76	.76							
21				193.76	194.74							
22				.78	.74							
23				196.15	.18							
24				195.42	.08							
25				194.68	.08							
26				196.13	195.15							
27				195.38	197.15							
28				194.68	195.78							
29				.44	195.08							
30				.37	194.68							
31				.67	.66							
Mean				194.28	195.87							
Max.				196.15	198.75							
Min.				193.76	194.08							

WATER YEAR 1930 : Max. 198.75 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				104	232	206						
2				108	486	185						
3				117	486	185						
4				117	1,011	181						
5				121	1,625	176						
6				108	1,011	176						
7				106	511	176						
8				106	737	169						
9				106	721	117						
10				128	1,173	117						
11				128	1,062	115						
12				128	1,222	115						
13				128	670	112						
14				128	441	112						
15				128	378	112						
16				123	300	115						
17				113	266	117						
18				113	232	119						
19				104	229							
20				93	229							
21				93	225							
22				95	225							
23				503	141							
24				344	128							
25				216	128							
26				498	295							
27				336	796							
28				216	420							
29				178	283							
30				167	216							
31				214	213							
Total				5,167	16,092							
Mean				167	519							
Max.				503	1,625							
Min.				93	128							
Runoff - mcm.				446.429	1,390.349							

WATER YEAR 1930 : Max. 1,625 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 5		198.75	1,625				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 1-time daily reading at 18.00 hour.

Basis of Mean Daily Gage Height: Arithmetic mean of 1-reading.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1956-56.

Stability of Channel Regimes: Unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

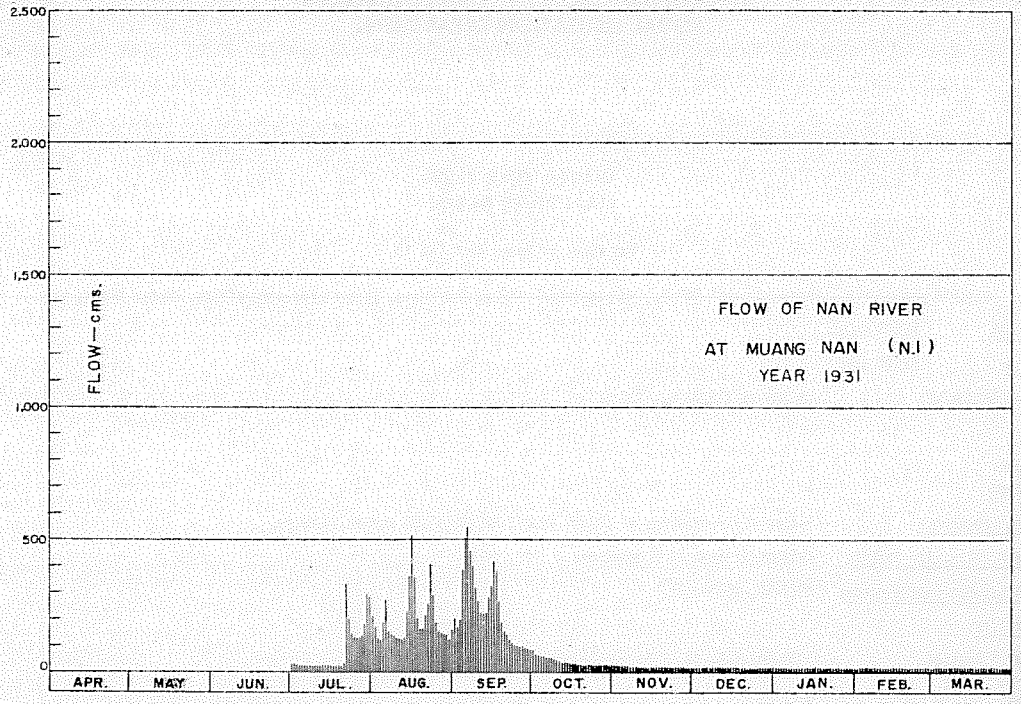
Remarks: No records for period April 1 - June 30.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				193.04	194.62	194.58	193.66	192.88	192.78	192.77	192.77	192.77
2				.00	.28	.36	.43	.88	.78	.77	.77	.77
3				192.98	.03	.42	.42	.86	.78	.77	.77	.77
4				.97	.00	195.30	.38	.86	.78	.77	.77	.77
5				.97	.38	196.15	.36	.86	.78	.77	.77	.77
6				192.97	195.01	196.33	193.34	192.86	192.78	192.77	192.77	192.77
7				.97	194.30	195.95	.33	.83	.78	.77	.77	.77
8				.96	.18	.67	.30	.83	.78	.77	.77	.77
9				.96	.13	.14	.28	.83	.78	.77	.77	.77
10				.96	.08	194.89	.18	.83	.78	.77	.77	.77
11				192.92	194.08	194.72	193.15	192.83	192.78	192.77	192.77	192.77
12				.92	.03	.68	.13	.83	.78	.77	.77	.77
13				.92	.03	.73	.12	.82	.78	.77	.77	.77
14				.92	194.48	195.08	.11	.82	.78	.77	.77	.77
15				.92	195.51	.36	.09	.82	.78	.77	.77	.77
16				192.91	196.19	195.76	193.03	192.82	192.78	192.77	192.77	192.77
17				.91	195.25	.56	.02	.82	.77	.77	.77	.77
18				.91	194.56	194.85	.02	.79	.77	.77	.77	.77
19				.91	.35	.48	192.99	.79	.77	.77	.77	.76
20				.91	.35	.28	.96	.79	.77	.77	.77	.76
21				192.91	194.68	194.14	192.96	192.79	192.77	192.77	192.77	192.76
22				195.38	.52	193.98	.96	.78	.77	.77	.77	.76
23				194.28	195.73	.89	.93	.78	.77	.77	.77	.76
24				194.18	.08	.83	.35	.78	.77	.77	.77	.76
25				.09	194.48	.81	.93	.78	.77	.77	.77	.76
26				194.08	194.28	193.77	192.92	192.78	192.77	192.77	192.77	192.76
27				.08	.23	.75	.92	.78	.77	.77	.77	.76
28				.18	.20	.69	.92	.78	.77	.77	.77	.76
29				.45	.21	.68	.91	.78	.77	.77	.77	.76
30				195.18	193.98	.66	.89	.78	.77	.77		.76
31				.08	194.18		.88		.77	.77		.76
Mean				193.44	194.50	194.68	193.11	192.81	192.77	192.77	192.77	192.77
Max.				195.38	196.19	196.33	193.66	192.88	192.78	192.77	192.77	192.77
Min.				192.91	193.98	193.66	192.88	192.78	192.77	192.77	192.77	192.76

WATER YEAR 1931 : Max. 196.33 m. Min. m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				31	206	200	83	22	17	16	16	16
2				28	154	166	61	22	17	16	16	16
3				27	123	175	61	21	17	16	16	16
4				26	119	322	57	21	17	16	16	16
5				26	169	503	56	21	17	16	16	16
6				26	271	548	54	21	17	16	16	16
7				26	157	455	53	19	17	16	16	16
8				25	141	397	51	19	17	16	16	16
9				25	135	293	49	19	17	16	16	16
10				25	128	250	41	19	17	16	16	16
11				23	128	222	39	19	17	16	16	16
12				23	123	216	37	19	17	16	16	16
13				23	123	224	37	19	17	16	16	16
14				23	184	283	36	19	17	16	16	16
15				23	363	333	34	19	17	16	16	16
16				23	513	416	30	19	17	16	16	16
17				23	313	374	30	19	16	16	16	16
18				23	197	243	30	17	16	16	16	16
19				23	164	184	27	17	16	16	16	16
20				23	164	154	25	17	16	16	16	16
21				23	216	136	25	17	16	16	16	16
22				336	190	117	25	17	16	16	16	16
23				154	409	107	24	17	16	16	16	16
24				141	283	100	24	17	16	16	16	16
25				129	184	98	24	17	16	16	16	16
26				128	154	94	23	17	16	16	16	16
27				128	147	92	23	17	16	16	16	16
28				141	143	86	23	17	16	16	16	16
29				179	144	85	23	17	16	16	16	16
30				300	117	83	22	17	16	16		16
31				283	141		22		16	16		16
Total				2,437	6,003	6,956	1,149	558	512	496	464	496
Mean				78.6	194	232	37.1	18.6	16.5	16.0	16.0	16.0
Max.				336	513	548	83	22	17	16	16	16
Min.				23	117	83	22	17	16	16	16	16
Runoff - MCM.				210.557	518.659	600.998	99.274	48.211	44.237	42.854	40.090	42.854

WATER YEAR 1931 : Max. 548 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 6		196.33	548				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1932
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: on top at 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A, 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

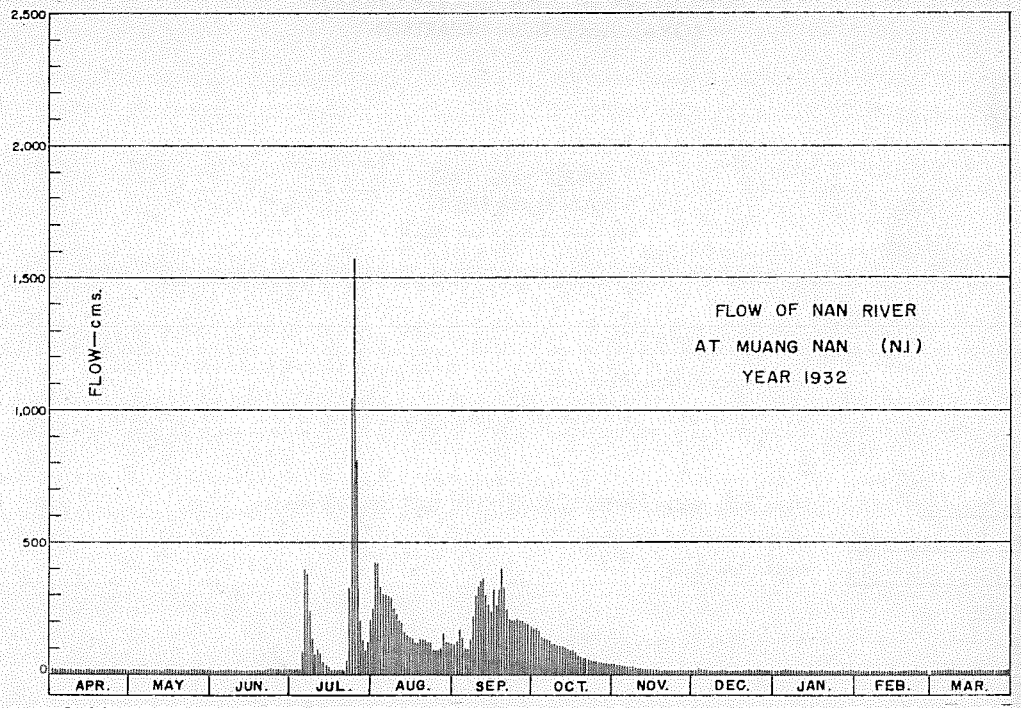
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N.1A. No upstream state diversion except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	192.78	192.78	192.79	192.87	194.84	194.00	194.45	193.18	192.81	192.80	192.80	192.80
2	.78	.78	.79	.86	195.77	.04	.41	.14	.81	.80	.80	.80
3	.78	.78	.79	.85	.79	.40	.37	.12	.81	.80	.80	.80
4	.78	.78	.79	.85	.32	.19	.29	.10	.81	.80	.80	.80
5	.78	.78	.79	.91	.20	193.83	.16	.08	.81	.80	.80	.80
6	192.78	192.78	192.79	195.68	195.20	193.80	194.12	193.07	192.81	192.80	192.80	192.80
7	.78	.78	.79	.62	.18	194.01	.08	.05	.81	.80	.80	.80
8	.78	.78	.78	194.23	.14	.65	.00	.01	.81	.80	.80	.80
9	.77	.78	.78	.16	194.94	195.20	193.97	192.95	.81	.80	.80	.80
10	.77	.78	.78	193.53	.78	.37	.94	.92	.81	.80	.80	.80
11	192.77	192.78	192.78	193.81	194.63	195.49	193.91	192.89	192.81	192.80	192.80	192.80
12	.77	.77	.78	.63	.57	.53	.88	.86	.81	.80	.80	.80
13	.77	.77	.78	.27	.37	.08	.85	.85	.81	.80	.80	.80
14	.77	.81	.78	.15	.28	.00	.80	.85	192.80	.80	.80	.80
15	.77	.81	.78	.09	.20	194.66	.78	.84	.80	.80	.80	.80
16	192.77	192.81	192.78	192.72	194.18	195.31	192.74	192.83	192.80	192.80	192.80	192.80
17	.77	.81	.77	.84	.03	194.90	.68	.83	.80	.80	.80	.80
18	.77	.81	.77	.80	.01	195.25	.57	.83	.80	.80	.80	.80
19	.77	.81	.77	.77	.17	.70	.52	.82	.80	.80	.80	.80
20	.78	.80	.78	.82	.16	.16	.46	.82	.80	.80	.80	.80
21	192.78	192.80	192.78	192.81	194.12	194.81	193.41	192.82	192.80	192.80	192.80	192.80
22	.78	.80	.84	193.39	.08	.64	.36	.82	.80	.80	.80	.80
23	.78	.80	.86	194.90	.03	.63	.34	.82	.80	.80	.80	.80
24	.78	.79	.84	197.59	193.78	.63	.31	.81	.80	.80	.80	.80
25	.80	.79	.81	198.67	.75	.62	.30	.81	.80	.80	.80	.80
26	192.80	192.79	192.81	196.21	193.78	194.61	193.27	192.81	192.80	192.80	192.80	192.80
27	.79	.79	.83	194.67	.86	.59	.24	.81	.80	.80	.80	.80
28	.79	.79	.84	.03	194.31	.54	.21	.81	.80	.80	.80	.80
29	.79	.79	.84	193.68	.03	.55	.21	.81	.80	.80		.80
30	.79	.79	.88	.85	.05	.46	.19	.81	.80	.80		.80
31		.79		194.65	.00		.19		.80	.80		.80
Mean	192.78	192.79	192.80	193.96	194.47	194.72	193.71	192.90	192.80	192.80	192.80	192.80
Max.	192.80	192.81	192.88	198.67	195.79	195.70	194.45	193.78	192.81	192.80	192.80	192.80
Min.	192.77	192.78	192.77	192.72	193.75	193.80	193.19	192.81	192.80	192.80	192.80	192.80

WATER YEAR 1932 : Max. 198.67 m. Min. 192.72 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	17	17	17	21	242	119	179	41	18	17	17	17
2	17	17	17	21	418	124	173	38	18	17	17	17
3	17	17	17	20	422	172	167	37	18	17	17	17
4	17	17	17	20	326	142	143	25	18	17	17	17
5	17	17	17	23	304	100	138	34	18	17	17	17
6	17	17	17	399	304	97	133	33	18	17	17	17
7	17	17	17	386	300	120	128	32	18	17	17	17
8	17	17	17	147	293	211	119	29	18	17	17	17
9	16	17	17	138	259	304	116	25	18	17	17	17
10	16	17	17	70	232	335	112	23	18	17	17	17
11	16	17	17	98	208	359	109	22	18	17	17	17
12	16	16	17	80	198	367	106	21	18	17	17	17
13	16	16	17	49	167	283	102	20	18	17	17	17
14	16	18	17	39	154	269	97	20	17	17	17	17
15	16	18	17	34	143	213	95	20	17	17	17	17
16	16	18	17	14	141	324	91	19	17	17	17	17
17	16	18	16	20	123	252	85	19	17	17	17	17
18	16	18	16	17	120	313	74	19	17	17	17	17
19	16	18	16	16	139	403	69	19	17	17	17	17
20	17	17	17	19	138	297	64	19	17	17	17	17
21	17	17	17	18	133	237	60	19	17	17	17	17
22	17	17	20	58	128	209	56	19	17	17	17	17
23	17	17	21	252	123	208	54	19	17	17	17	17
24	17	17	20	965	95	208	52	18	17	17	17	17
25	17	17	18	1,573	92	206	51	18	17	17	17	17
26	17	17	18	518	95	205	49	18	17	17	17	17
27	17	17	19	214	104	201	46	18	17	17	17	17
28	17	17	20	123	158	193	44	18	17	17	17	17
29	17	17	20	85	123	195	44	18	17	17		17
30	17	17	22	102	125	181	42	18	17	17		17
31		17		211	119		42		17	17		17
Total	499	531	532	5,750	5,926	6,847	2,840	708	540	527	476	527
Mean	16.6	17.1	17.7	185	191	228	91.6	23.6	17.4	17.0	17.0	17.0
Max.	17	18	22	1,573	422	403	179	41	18	17	17	17
Min.	16	17	16	14	92	97	42	18	17	17	17	17
Runoff - MCM.	43.114	45.878	45.965	496.800	512.006	591.581	245.376	61.171	46.656	45.533	41.126	45.533

WATER YEAR 1932 : Max. 1,573 Min. 14 Mean 70.4 Annual Runoff 2,220.739 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Jul. 25	12.00	198.88	1,713				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1933
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage. 192.70

Zero Gage: on top at + ~~198.70~~ m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1956-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

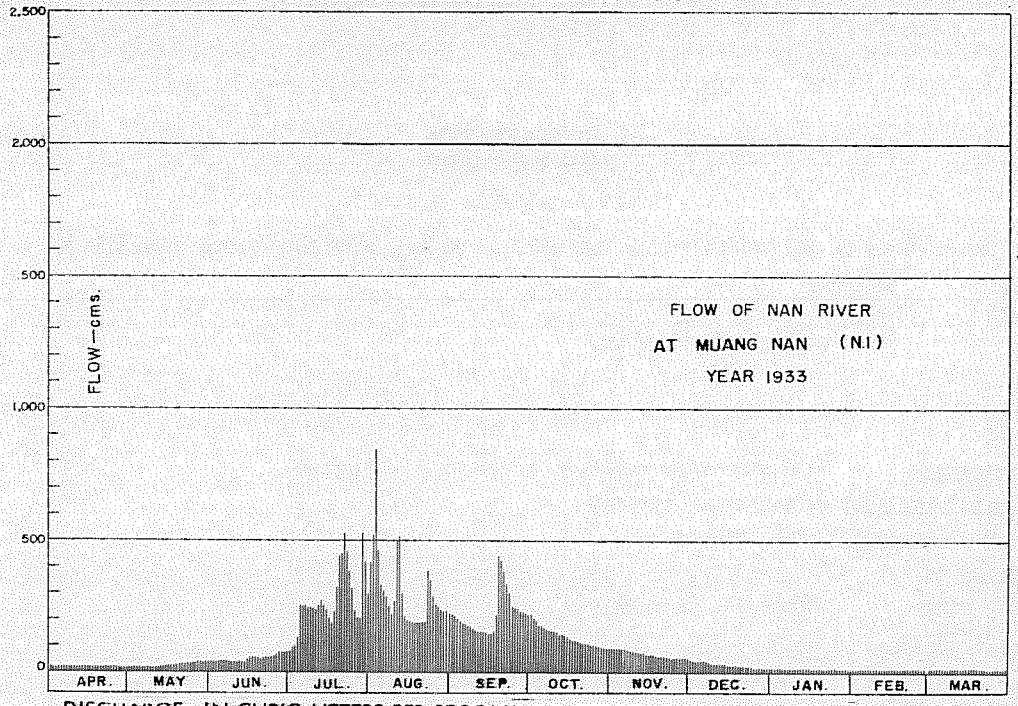
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	192.80	192.81	193.16	193.60	195.86	194.68	194.69	193.74	193.28	192.78	192.68	192.68
2	.80	.81	.15	.78	.99	.67	.63	.74	.24	.77	.68	.68
3	.80	.81	.13	.83	197.28	.61	.54	.76	.20	.76	.68	.68
4	.81	.81	.14	194.05	195.86	.54	.43	.75	.19	.75	.68	.68
5	.83	.81	.17	.92	.33	.51	.40	.72	.18	.73	.68	.68
6	192.83	192.81	193.17	194.89	195.23	194.47	194.38	193.70	193.25	192.72	192.68	192.68
7	.83	.81	.17	.93	.09	.40	.33	.69	.23	.71	.68	.68
8	.81	.81	.15	.84	194.84	.41	.32	.68	.10	.70	.68	.68
9	.80	.81	.14	.85	.69	.35	.31	.63	.09	.69	.68	.68
10	.80	.81	.13	.83	.65	.30	.30	.61	.08	.68	.68	.68
11	192.80	192.84	193.14	194.82	196.11	194.28	194.27	193.59	193.06	192.68	192.68	192.68
12	.80	.83	.14	.90	.19	.27	.19	.57	.06	.68	.68	.68
13	.82	.89	.14	195.02	195.20	.28	.19	.54	.05	.68	.68	.68
14	.82	.93	.14	194.90	194.57	.27	.18	.51	.04	.68	.68	.68
15	.82	.92	.23	.81	.54	.24	.12	.49	.02	.68	.68	.68
16	192.81	192.92	193.39	194.65	194.52	194.24	194.08	193.48	192.98	~~192.68~~	192.68	192.68
17	.81	.95	.37	.45	.51	.28	.01	.47	.96	.68	.68	.68
18	.81	.99	.33	.70	.51	.83	193.97	.45	.93	.68	.68	.68
19	.81	193.03	.31	195.33	.51	195.88	.95	.44	.90	.68	.68	.68
20	.81	.03	.28	.90	.49	.78	.93	.43	.39	.68	.68	.68
21	192.81	193.05	193.30	195.93	194.50	195.44	193.91	193.43	192.88	192.68	192.68	192.68
22	.81	.05	.37	196.24	.51	.33	.89	.40	.87	.68	.68	.68
23	.81	.05	.36	195.84	195.62	.10	.87	.39	.86	.68	.68	.68
24	.81	.08	.38	.39	.38	194.86	.84	.38	.84	.68	.68	.68
25	.81	.08	.43	.16	194.86	.89	.84	.38	.83	.68	.68	.68
26	192.81	193.13	193.48	194.72	194.93	194.81	193.82	193.36	192.82	192.68	192.68	192.68
27	.81	.14	.58	.61	.88	.77	.80	.35	.82	.68	.68	.68
28	.81	.14	.54	.56	.77	.74	.80	.34	.82	.68	.68	.68
29	.81	.14	.55	196.25	.77	.73	.78	.34	.80	.68		.68
30	.81	.14	.60	195.88	.77	.69	.77	.31	.79	.68		.68
31		.16		.00	.71		.76		.79	.68		.68
Mean	192.81	192.95	193.28	194.95	195.09	194.69	194.10	193.52	192.99	192.69	192.68	192.68
Max.	192.83	193.16	193.60	196.25	197.28	195.88	194.69	193.76	193.28	192.78	192.68	192.68
Min.	192.80	192.81	193.13	193.60	194.49	194.24	193.76	193.31	192.79	192.68	192.68	192.68

WATER YEAR 1933 : Max. 197.28 m. Min. 192.68 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	17	18	40	77	437	216	217	91	49	17	12	12
2	17	18	39	95	464	214	208	91	46	16	12	12
3	17	18	37	100	842	205	193	93	43	16	12	12
4	18	18	38	125	437	193	176	92	42	15	12	12
5	19	18	41	255	327	189	172	89	41	14	12	12
6	19	18	41	250	309	182	169	87	47	14	12	12
7	19	18	41	257	284	172	161	86	45	13	12	12
8	18	18	39	242	242	173	160	85	35	13	12	12
9	17	18	36	243	217	164	158	80	34	13	12	12
10	17	18	37	240	211	157	157	78	34	12	12	12
11	17	20	38	238	493	154	153	76	32	12	12	12
12	17	19	38	252	513	153	142	74	32	12	12	12
13	19	22	38	272	304	154	142	71	32	12	12	12
14	19	24	38	252	198	153	141	68	31	12	12	12
15	19	23	45	237	193	149	133	66	30	12	12	12
16	18	23	56	211	190	149	129	65	27	12	12	12
17	18	25	57	179	189	154	120	65	25	12	12	12
18	18	27	53	219	189	240	116	63	24	12	12	12
19	18	30	52	327	189	441	113	62	23	12	12	12
20	18	30	49	445	185	420	111	61	22	12	12	12
21	18	32	51	451	187	348	109	61	22	12	12	12
22	18	32	57	526	189	327	107	59	21	12	12	12
23	18	32	56	432	386	286	105	58	21	12	12	12
24	18	34	57	338	336	245	101	57	20	12	12	12
25	18	34	61	297	245	250	101	57	19	12	12	12
26	18	37	65	222	257	237	99	56	19	12	12	12
27	18	38	75	205	249	230	97	55	19	12	12	12
28	18	38	71	197	230	225	97	54	19	12	12	12
29	18	38	72	528	230	224	95	54	17	12		12
30	18	38	77	441	230	217	94	52	17	12		12
31		40		269	221		93		17	12		12
Total	539	816	1,499	8,422	9,173	6,621	4,168	2,106	905	395	336	372
Mean	18.0	26.3	50.0	272	296	221	134	70.2	29.2	12.7	12.0	12.0
Max.	19	40	77	528	842	441	217	93	49	17	12	12
Min.	17	18	37	77	185	149	93	52	17	12	12	12
Runoff - mcm.	46.570	70.502	129.514	727.661	792.547	572.054	360.115	181.958	78.192	34.128	29.030	32.141

WATER YEAR 1933 : Max. 842 Min. 12 Mean 96.8 Annual Runoff 3,054.413 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 3	15.00	197.41	889				

WATER YEAR 1934
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1922-56, 1962-cont.

Rating Operation:

Period of Rating: 1954-56 at N. 1A 2 km. upstream.

Rated by Float: -

Rated by Current Meter: 1954-56

Stability of Channel Regimes: unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

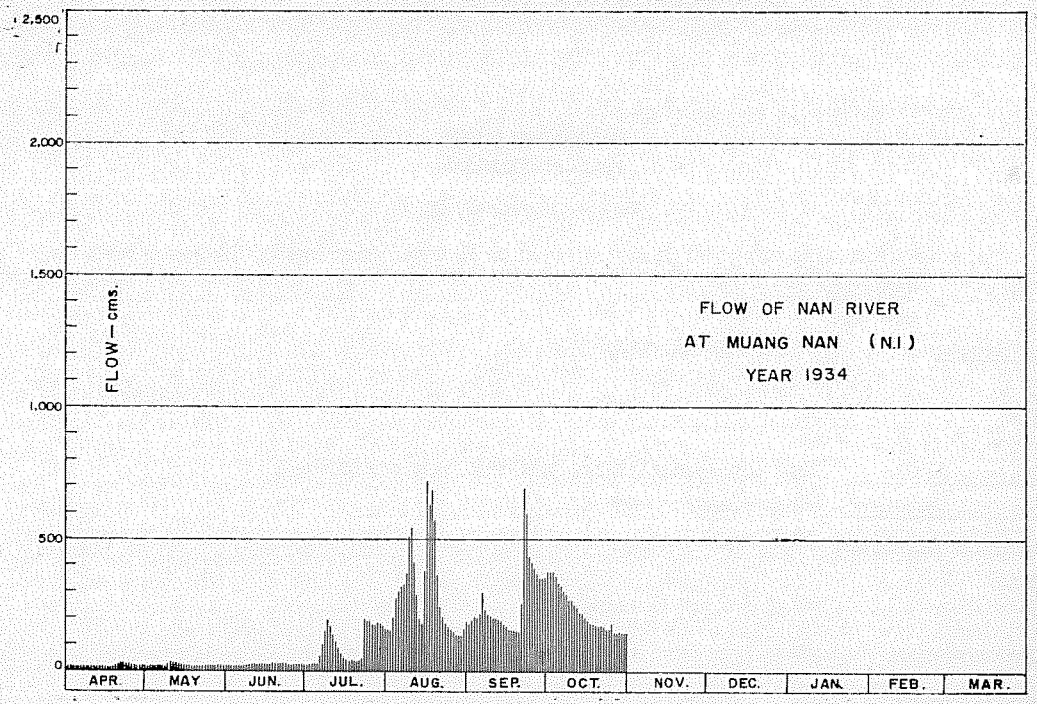
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for period November 1 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	192.68	192.77	192.81	192.91	194.29	194.45	195.58					
2	.68	.77	.79	.92	.27	.53	.58					
3	.68	.77	.80	.94	.59	.64	.55					
4	.68	.77	.83	.96	195.07	.58	.47					
5	.68	.77	.84	.95	.23	.58	.36					
6	192.68	192.76	192.84	193.36	195.27	195.15	195.26					
7	.68	.76	.84	.74	.32	194.69	.17					
8	.68	.76	.86	194.30	.48	.67	.10					
9	.68	.87	.90	.55	196.20	.63	.00					
10	.68	193.07	.95	.33	.29	.53	194.96					
11	192.68	193.03	192.97	194.13	195.32	194.58	194.86					
12	.68	192.99	.95	193.90	194.90	.57	.80					
13	.68	.90	.94	.70	.45	.50	.70					
14	.68	.84	.91	.35	.45	.42	.66					
15	.68	.82	.91	.25	195.22	.35	.58					
16	192.68	192.81	192.91	193.16	196.92	194.29	194.50					
17	.68	.81	193.00	.10	.53	.28	.44					
18	.75	.80	.04	.19	.82	.26	.43					
19	.85	.78	.01	.15	.19	.25	.41					
20	.92	.78	192.97	.07	195.16	.24	.37					
21	192.96	192.78	192.95	193.14	194.74	195.03	194.36					
22	.99	.78	.95	.38	.58	196.84	.36					
23	.95	.78	.94	194.58	.44	.35	.29					
24	.95	.78	.93	.48	.36	195.78	.26					
25	.86	.78	.93	.50	.27	.69	.45					
26	192.81	192.79	192.92	194.42	194.22	195.58	194.21					
27	.77	.82	.89	.39	.14	.51	.19					
28	.77	.84	.90	.51	.13	.43	.23					
29	.77	.84	.91	.44	.14	.43	.21					
30	.77	.84	.91	.38	.31	.48	.21					
31		.83		.28	.50		.20					
Mean	192.75	192.82	192.91	193.72	194.95	194.91	194.70					
Max.	192.99	193.07	193.04	194.58	196.92	196.84	195.58					
Min.	192.68	192.77	192.79	192.91	194.13	194.24	194.20					

WATER YEAR 1934 : Max. 196.92 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	12	16	18	23	156	179	378					
2	12	16	17	23	153	192	378					
3	12	16	17	24	201	209	371					
4	12	16	19	25	281	200	355					
5	12	16	20	25	309	200	333					
6	12	16	20	56	317	295	315					
7	12	16	20	91	327	217	299					
8	12	16	21	157	357	214	286					
9	12	21	23	195	516	208	269					
10	12	33	25	161	538	200	262					
11	12	30	26	135	326	200	245					
12	12	27	25	108	252	198	235					
13	12	23	24	87	179	187	219					
14	12	20	23	55	179	175	213					
15	12	19	23	47	308	164	200					
16	12	18	23	40	718	156	187					
17	12	18	28	35	602	154	178					
18	15	17	31	42	685	151	176					
19	20	17	29	39	513	150	173					
20	23	17	26	33	297	149	167					
21	25	17	25	38	225	274	166					
22	27	17	25	57	200	691	166					
23	25	17	24	200	178	553	156					
24	25	17	24	184	166	420	151					
25	21	17	24	187	153	401	179					
26	18	17	23	175	146	378	144					
27	16	19	22	170	136	360	142					
28	16	20	23	189	135	346	147					
29	16	20	23	178	136	346	144					
30	16	20	23	169	158	357	144					
31		19		154	187		143					
Total	457	588	694	3,102	9,034	7,924	6,921					
Mean	15.5	18.9	23.1	100	291	264	223					
Max.	27	33	31	200	718	691	378					
Min.	12	16	17	23	135	149	143					
Runoff - mcm.	40.348	50.803	59.961	268.012	780.537	684.664	597.974					

WATER YEAR 1934 : Max. 718 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 22	6.00	196.97	734				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1935
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: on top at 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours..

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1922 to date.

Rating Operation:

Period of Rating: 1954-56 at N. 1A 2 km. upstream.

Rated by Float:

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

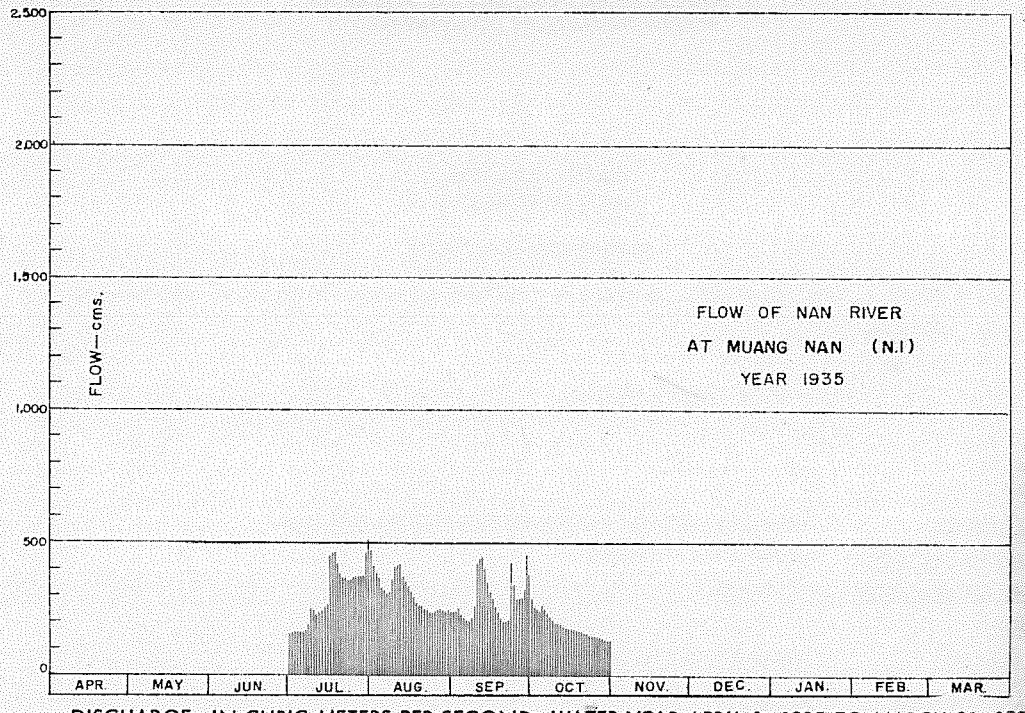
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remarks: No records for periods April 1 - June 30 and November 1 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				194.30	195.91	194.81	195.06					
2				.32	.69	.83	194.94					
3				.34	.61	.92	.87					
4				.34	.52	.76	.84					
5				.33	.33	.70	.97					
6				194.36	195.27	194.64	194.87					
7				.41	.22	.63	.76					
8				.57	.28	.65	.67					
9				.90	.56	.76	.61					
10				.84	.75	195.80	.57					
11				194.76	195.75	195.88	194.55					
12				.80	.76	.90	.52					
13				.85	.55	.66	.48					
14				.90	.47	.44	.45					
15				.96	.36	.24	.44					
16				195.95	195.24	195.10	194.42					
17				.98	.12	.00	.41					
18				.78	.03	194.82	.39					
19				.73	194.97	.67	.36					
20				.57	.94	.63	.35					
21				195.52	194.90	194.59	194.30					
22				.53	.84	.54	.29					
23				.49	.82	195.79	.24					
24				.50	.82	.36	.24					
25				.56	.85	.10	.23					
26				195.55	194.88	195.12	194.21					
27				.58	.90	.13	.20					
28				.56	.86	.02	.16					
29				.58	.83	.04	.13					
30				.98	.89	.43	.10					
31				196.19	.85		.10					
Mean				195.13	195.18	195.11	194.44					
Max.				196.19	195.91	195.94	195.06					
Min.				194.30	194.82	194.54	194.10					

WATER YEAR 1935 : Max. 196.19 m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				157	447	237	279					
2				160	401	240	259					
3				163	384	255	247					
4				163	365	229	242					
5				161	327	219	264					
6				166	317	209	247					
7				173	308	208	229					
8				198	318	211	214					
9				252	374	229	205					
10				242	416	424	198					
11				229	413	441	195					
12				235	416	445	190					
13				243	371	395	184					
14				252	355	348	179					
15				262	333	311	178					
16				455	311	286	175					
17				462	290	269	173					
18				420	274	238	170					
19				409	264	214	166					
20				376	259	208	164					
21				365	252	201	157					
22				367	242	193	156					
23				359	238	422	149					
24				361	238	333	149					
25				374	243	286	147					
26				371	249	290	144					
27				378	252	291	143					
28				374	245	272	138					
29				378	240	453	135					
30				462	250	346	131					
31				513	243		131					
Total				8,480	9,635	8,703	5,738					
Mean				306	311	290	185					
Max.				513	447	453	279					
Min.				157	238	193	131					
Runoff – RCM.				819.072	832.464	761.011	495.763					

WATER YEAR 1935 : Max. 513 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
July 31	6.00	196.22	521				

WATER YEAR 1936
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at Ban Tha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + ~~198.70~~ m. (M.S.L.)

Bench Mark: -

Location: -
Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1921 to date.

Rating Operation:

Period of Rating: 1954-56 at N. 1A 2 km. upstream.
Rated by Float:
Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

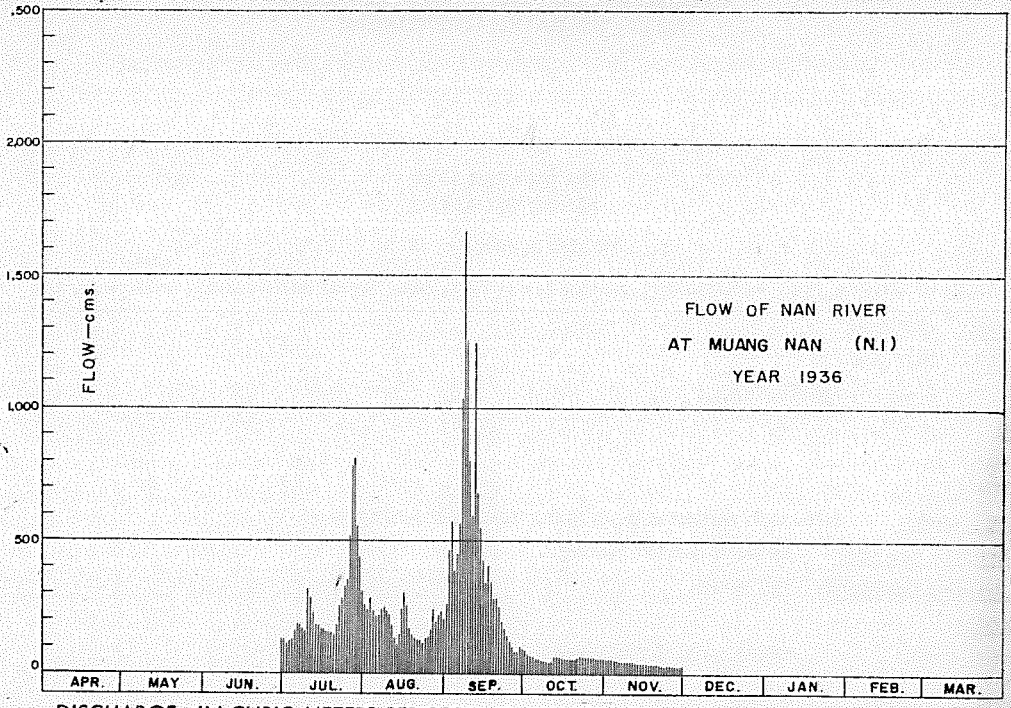
General Description: Records fair. Stage discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: No records for periods April 1 - June 30 and December 1 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				194.08	194.94	194.67	193.69	193.33				
2				193.88	.76	196.00	.56	.32				
3				.98	195.10	.42	.50	.30				
4				194.08	194.89	195.40	.45	.28				
5				.28	.68	.88	.39	.26				
6				194.48	194.68	196.20	193.35	193.25				
7				.48	.79	197.70	.29	.23				
8				.38	.90	198.81	.25	.22				
9				.28	.82	197.72	.23	.21				
10				195.28	.73	196.72	.19	.19				
11				195.10	194.43	196.42	193.20	193.17				
12				194.78	.14	198.12	.44	.15				
13				.48	193.95	196.51	.46	.14				
14				.48	.91	.15	.44	.12				
15				.38	194.85	195.68	.41	.10				
16				194.38	195.23	195.26	193.40	193.09				
17				.28	194.81	.71	.38	.08				
18				.28	.36	.34	.36	.06				
19				.28	.19	.03	.35	.05				
20				.18	.14	.10	.33	.04				
21				194.40	194.02	194.83	193.35	193.02				
22				.92	.03	.55	.48	.01				
23				195.02	193.85	.40	.45	.00				
24				.26	194.17	.20	.44	192.99				
25				.44	.14	.03	.43	.97				
26				196.72	194.37	193.87	193.41	192.96				
27				197.08	.85	.69	.40	.95				
28				.20	.42	.57	.38	.93				
29				196.28	.68	.86	.38	.92				
30				195.72	.80	.81	.36	.90				
31				.20	.59		.35					
Mean				194.88	194.54	195.76	193.39	193.13				
Max.				197.20	195.10	198.81	193.69	193.33				
Min.				193.88	193.85	193.81	193.19	192.90				

WATER YEAR 1936 : **Max.** 198.81 m. **Min.** m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1				128	259	214	86	53				
2				106	229	466	73	53				
3				117	286	572	67	51				
4				128	250	340	63	49				
5				154	216	441	58	48				
6				184	216	516	55	47				
7				184	233	1,021	50	45				
8				169	252	1,666	47	45				
9				154	238	1,031	45	44				
10				318	224	656	42	42				
11				286	176	572	43	41				
12				232	136	1,244	62	39				
13				184	113	597	64	38				
14				184	109	503	62	37				
15				169	243	399	60	35				
16				169	309	315	59	34				
17				154	237	405	57	34				
18				154	166	329	56	32				
19				154	142	274	55	32				
20				141	136	286	53	31				
21				172	121	240	55	30				
22				255	123	195	65	29				
23				272	102	172	63	28				
24				315	139	143	62	27				
25				348	136	123	61	26				
26				656	167	105	60	25				
27				772	243	86	59	25				
28				814	175	74	57	24				
29				536	216	104	57	23				
30				407	235	98	56	23				
31				304	201		55					
Total				8,320	6,028	13,187	1,808	1,090				
Mean				268	194	439	58.3	36.3				
Max.				814	286	1,666	86	53				
Min.				106	102	98	42	23				
Runoff - mcm.				718.848	520.819	1,139.356	156.211	94.176				

WATER YEAR 1936 : Max. 1,666 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 8	9.00	198.86	1,699				

WATER YEAR 1937
NAN RIVER BASIN

Nan River at Muang Nan (N. 1)

Location: Lat. 18°-46'-23" N., Long. 100°-46'-51" E., on right bank at BanTha Chang, infront Forestry office, Amphoe Muang, Nan.

Drainage Area: 4,609 sq.km.

Type of Gage: Staff gage.

Zero Gage: on top at + 198.70 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 5 readings.

Period of Available Gage Records: 1922 to date.

Rating Operation:

Period of Rating: 1954-56, at N. 1A 2 km. upstream.

Rated by Float:

Rated by Current Meter: 1954-56

Stability of Channel Regimes: Rather unstable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

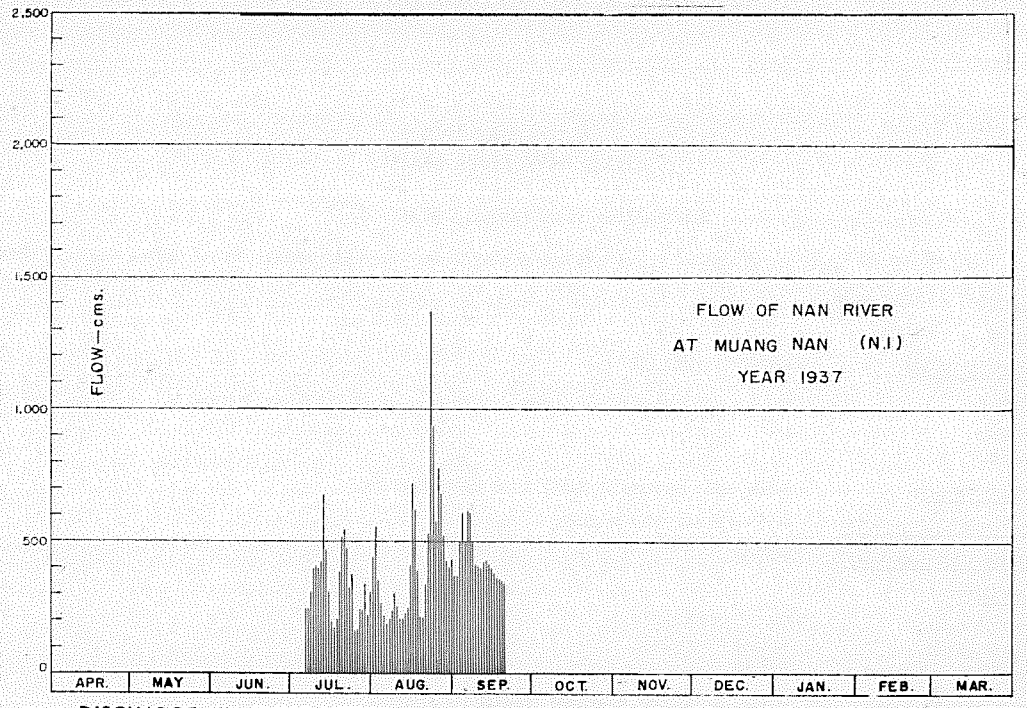
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1954-56 at N. 1A. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: No records for periods April 1 - July 5 and September 21 - March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					195.95	195.48						
2					196.36	.47						
3					195.05	196.21						
4					194.99	.55						
5					.67	195.96						
6				194.88	194.47	196.57						
7				.86	.65	.53						
8				.84	.80	195.86						
9				195.65	195.20	.69						
10				.73	194.92	.69						
11				195.67	194.62	195.67						
12				.73	.53	.77						
13				196.79	.77	.82						
14				195.69	.80	.74						
15				194.97	195.49	.65						
16				194.57	196.90	195.55						
17				.41	.40	.48						
18				.41	195.05	.47						
19				195.59	194.65	.41						
20				196.23	.66	.39						
21				196.31	195.44							
22				.01	197.04							
23				195.13	198.33							
24				.57	196.99							
25				194.33	.22							
26				194.37	197.09							
27				.87	196.62							
28				.78	.13							
29				195.41	195.78							
30				194.57	.66							
31				195.33	.60							
Mean					195.61							
Max.					198.33							
Min.					194.47							

WATER YEAR 1937 : Max. m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					455	357						
2					556	355						
3					277	518						
4					267	608						
5					214	458						
6				249	182	614						
7				245	211	602						
8				259	235	437						
9				392	304	401						
10				409	255	401						
11				397	206	397						
12				409	192	418						
13				675	230	428						
14				401	235	411						
15				264	359	392						
16				198	711	371						
17				173	566	357						
18				173	277	355						
19				380	211	342						
20				523	213	338						
21				543	348							
22				468	476							
23				291	1,367							
24				376	741							
25				161	521							
26				167	775							
27				247	628							
28				232	498							
29				342	420							
30				198	395							
31				327	382							
Total					12,707							
Mean					410							
Max.					1,367							
Min.					182							
Runoff – mcm.					1,097.884							

WATER YEAR 1937 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

WATER YEAR 1912
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reding 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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

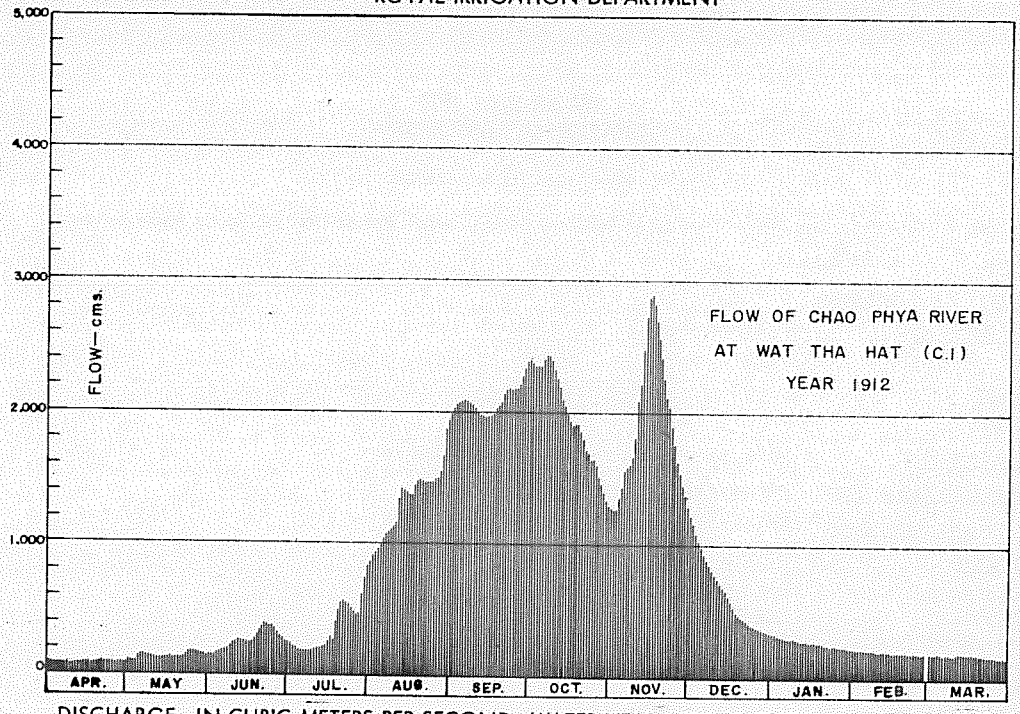
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1912-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1912 TO MARCH 31, 1913

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.60	8.75	9.01	9.68	12.22	15.12	15.91	13.32	13.00	9.96	9.30	9.07
2	.55	.70	.02	.56	.31	.21	.85	.31	12.78	.93	.29	.02
3	.54	.66	.11	.51	.35	.27	.83	.33	.61	.91	.27	.00
4	.53	.77	.19	.44	.46	.30	.82	.59	.45	.85	.26	8.98
5	.52	.98	.29	.36	.55	.33	.84	.89	.31	.83	.25	.96
6	8.52	9.03	9.31	9.32	12.68	15.34	15.91	14.09	12.14	9.79	9.24	8.95
7	.51	8.97	.33	.30	.80	.33	.96	.15	.02	.79	.23	.97
8	.51	.99	.42	.29	.83	.30	.95	.23	11.89	.76	.21	.96
9	.50	.98	.56	.32	.87	.26	.89	.42	.77	.74	.20	.96
10	.50	.96	.68	.36	.93	.20	.79	.96	.65	.72	.19	.96
11	8.55	8.94	9.79	9.41	13.01	15.14	15.67	15.37	11.56	9.71	9.18	8.96
12	.56	.87	.80	.43	.52	.09	.52	.71	.45	.67	.16	.99
13	.52	.84	.79	.49	.70	.06	.37	16.09	.38	.65	.15	9.01
14	.53	.84	.78	.53	.69	.04	.24	.39	.28	.63	.13	.01
15	.60	.89	.72	.56	.65	.06	.12	.55	.14	.61	.12	8.99
16	8.63	8.93	9.69	9.69	13.60	15.09	14.99	16.36	10.99	9.59	9.12	8.99
17	.60	.99	.77	10.01	.60	.13	.89	.47	.84	.57	.10	.98
18	.58	.96	.87	.27	.79	.20	.95	.29	.71	.56	.11	.97
19	.61	.96	10.08	.63	.85	.26	.94	15.96	.61	.58	.10	.95
20	.65	.96	.29	11.04	.89	.32	.84	.62	.53	.55	.08	.91
21	8.67	8.89	10.48	11.21	13.89	15.46	14.63	15.31	10.45	9.51	9.07	8.88
22	.65	.93	.55	.24	.83	.52	.39	.02	.39	.48	.06	.85
23	.63	9.08	.52	.21	.84	.53	.42	14.97	.33	.46	.06	.83
24	.63	.23	.46	.15	.85	.51	.35	.47	.29	.45	.07	.82
25	.61	.27	.42	.04	.87	.51	.29	.25	.23	.43	.03	.81
26	8.61	9.24	10.30	10.93	13.90	15.53	14.11	13.99	10.18	9.41	9.02	8.79
27	.63	.80	.15	.86	.93	.62	13.93	.79	.15	.39	.01	.74
28	.61	.12	.00	.92	14.07	.74	.74	.59	.10	.37	.05	.73
29	.60	.08	9.87	11.44	.32	.84	.59	.37	.06	.35		.72
30	.61	.01	.78	.83	.80	.89	.50	.15	.03	.34		.72
31		8.99		12.06	.98		.39		.00	.32		.71
Mean	8.58	8.97	9.80	10.23	13.47	15.33	14.97	14.74	11.14	9.31	9.14	8.91
Max.	8.67	9.27	10.55	12.06	14.98	15.89	15.96	16.56	13.00	9.96	9.30	9.07
Min.	8.50	8.66	9.01	9.29	12.22	15.04	13.39	13.15	10.00	9.32	9.01	8.71

WATER YEAR 1912 : Max. 16.56 m. Min. 8.50 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1912 TO MARCH 31, 1913

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	92	112	146	241	876	1,991	2,396	1,268	1,215	331	222	193
2	86	105	147	226	907	2,032	2,359	1,264	1,137	325	221	187
3	84	100	160	216	921	2,060	2,348	1,272	1,077	321	218	184
4	83	114	171	206	959	2,073	2,342	1,369	1,021	310	217	182
5	82	142	185	195	990	2,088	2,353	1,485	974	306	216	180
6	82	149	188	189	1,036	2,093	2,396	1,563	917	299	214	179
7	81	146	191	187	1,079	2,088	2,427	1,586	879	299	212	181
8	81	143	203	185	1,090	2,073	2,421	1,617	837	294	210	180
9	79	142	223	189	1,104	2,055	2,384	1,694	800	290	209	180
10	79	139	241	195	1,126	2,027	2,324	1,920	762	287	208	180
11	86	136	257	202	1,155	2,000	2,257	2,107	735	285	206	180
12	87	127	259	205	1,343	1,977	2,180	2,279	702	279	204	183
13	82	123	257	213	1,411	1,964	2,107	2,515	681	275	202	186
14	83	123	256	219	1,407	1,955	2,046	2,743	652	272	200	186
15	92	130	247	223	1,392	1,964	1,991	2,876	613	268	199	183
16	96	135	242	242	1,373	1,977	1,933	2,885	572	264	199	183
17	92	143	254	292	1,373	1,995	1,890	2,808	531	261	196	182
18	89	139	269	337	1,446	2,027	1,916	2,672	498	260	197	181
19	93	139	303	410	1,469	2,056	1,911	2,504	473	263	196	179
20	99	139	340	510	1,485	2,083	1,868	2,335	453	258	194	174
21	101	130	378	555	1,485	2,150	1,780	2,191	434	252	193	171
22	99	135	393	564	1,461	2,180	1,681	2,058	421	248	192	168
23	96	155	387	555	1,465	2,185	1,694	2,035	408	245	192	166
24	96	177	374	539	1,469	2,175	1,635	1,812	399	244	193	165
25	93	182	366	510	1,477	2,175	1,641	1,716	386	241	188	164
26	93	178	342	481	1,488	2,185	1,570	1,604	376	238	187	162
27	96	173	315	464	1,500	2,231	1,500	1,521	369	235	186	157
28	93	161	290	479	1,555	2,296	1,426	1,440	359	232	191	156
29	92	156	270	621	1,653	2,353	1,369	1,352	351	230		155
30	93	146	256	745	1,851	2,384	1,335	1,270	345	228		155
31		143		822	1,929		1,294		339	225		154
Total	2,680	4,362	7,910	11,217	41,275	62,892	60,804	57,761	19,716	8,365	5,662	5,416
Mean	89.3	141	264	362	1,331	2,096	1,961	1,925	636	270	202	175
Max.	101	182	393	822	1,929	2,384	2,427	2,885	1,215	331	222	193
Min.	79	100	146	185.	876	1,955	1,294	1,264	339	225	186	154
Runoff - MCM.	231.552	376.877	683.424	969.149	3,566.160	5,433.869	5,253.466	4,990.550	170.462	722.736	489.197	467.942

WATER YEAR 1912 : Max. 2,885 Min. 79 Mean 789 Annual Runoff 24,888.384mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 16	12.00	16.56	2,885				

WATER YEAR 1913
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.570 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

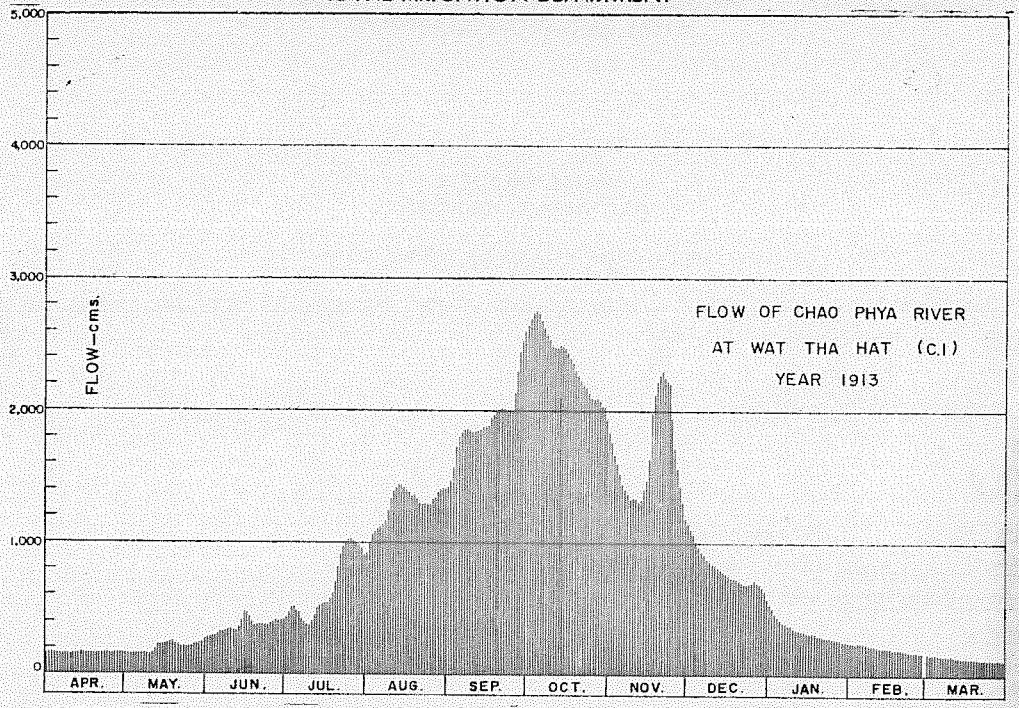
Overbank Flow Conditions: No overbank flow.

General Description: Records fair stage-discharge relation used is defined by discharge measurements made during 1913 for period April - December 31 and used mean rating curve 1905-13 for period January 1 - March 31, 1914. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1913 TO MARCH 31, 1914

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.70	8.71	9.69	10.41	12.15	13.61	16.23	14.49	12.76	11.09	9.83	9.34
2	.69	.71	.69	.62	.41	.72	.35	.29	.60	10.93	.83	.32
3	.76	.71	.75	.74	.57	14.05	.41	.09	.47	.80	.81	.31
4	.74	.71	.81	.76	.65	.32	.44	13.92	.36	.72	.80	.29
5	.72	.71	.89	.67	.69	.45	.39	.76	.25	.62	.80	.27
6	8.71	8.71	9.93	10.60	12.75	14.54	16.29	13.59	12.15	10.56	9.78	9.26
7	.71	.71	.93	.37	.79	.57	.19	.47	.08	.51	.76	.25
8	.70	.75	.93	.27	.86	.57	.10	.37	.00	.45	.75	.23
9	.70	.71	10.00	.20	13.07	.54	.01	.27	11.94	.41	.72	.22
10	.69	.74	.05	.19	.33	.50	15.93	.32	.89	.36	.68	.20
11	8.77	8.77	9.99	10.30	13.48	14.50	15.91	13.29	11.84	10.32	9.65	9.19
12	.76	9.08	.96	.53	.55	.55	.91	.23	.79	.29	.63	.17
13	.76	.29	10.03	.73	.60	.56	.95	.33	.74	.26	.61	.15
14	.75	.29	.29	.83	.55	.60	.93	.56	.69	.23	.59	.14
15	.74	.32	.63	.86	.51	.61	.89	.71	.65	.20	.58	.12
16	8.73	9.35	10.58	10.88	13.47	14.65	15.80	13.96	11.61	10.18	9.56	9.10
17	.72	.39	.45	.90	.41	.79	.74	14.78	.57	.15	.54	.09
18	.71	.45	.27	11.05	.37	.83	.64	15.13	.54	.13	.51	.08
19	.71	.49	.13	.29	.38	.89	.53	.34	.50	.11	.50	.06
20	.71	.42	.13	.64	.29	.91	.44	.47	.46	.09	.49	.06
21	8.70	9.34	10.17	12.02	13.22	14.93	15.37	15.51	11.43	10.07	9.47	9.04
22	.70	.27	.19	.26	.20	.90	.32	.38	.41	.04	.45	.04
23	.78	.24	.15	.35	.21	.87	.25	.37	.39	.02	.43	.03
24	.76	.18	.15	.44	.21	.86	.16	.30	.41	.00	.41	.02
25	.76	.24	.21	.49	.21	.91	.09	14.45	.44	9.98	.39	.02
26	8.76	9.35	10.29	12.46	13.29	15.21	15.05	14.06	11.48	9.95	9.39	9.00
27	.75	.42	.33	.40	.36	.60	.08	13.72	.43	.93	.37	.00
28	.71	.42	.31	.36	.45	.86	.04	.41	.35	.91	.35	8.99
29	.77	.43	.30	.30	.50	16.03	14.94	.15	.24	.89		.98
30	.78	.53	.30	.19	.50	.13	.92	12.90	.13	.97		.97
31		.65		.08	.50		.65		10.97	.85		.97
Mean	8.73	9.13	10.12	11.26	13.19	14.69	15.67	14.12	11.73	10.25	9.59	9.13
Max.	8.78	9.65	10.63	12.49	13.60	16.03	16.44	15.51	12.76	11.09	9.83	9.34
Min.	8.69	8.71	9.69	10.19	12.15	13.61	14.65	12.90	10.97	9.85	9.35	8.97

WATER YEAR 1913 : Max. 16.44 m. Min. 8.69 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1913 TO MARCH 31, 1914

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	153	154	282	426	921	1,448	2,642	1,821	1,130	523	247	163
2	152	154	282	475	1,008	1,493	2,703	1,734	1,074	483	247	160
3	159	154	292	506	1,063	1,631	2,734	1,648	1,028	453	243	158
4	157	154	303	511	1,091	1,747	2,750	1,575	991	434	242	155
5	155	154	317	487	1,105	1,804	2,723	1,509	954	411	242	152
6	154	154	325	471	1,126	1,843	2,672	1,440	921	397	238	151
7	154	154	325	417	1,140	1,856	2,621	1,392	898	386	234	149
8	153	158	325	395	1,165	1,856	2,575	1,353	873	373	233	146
9	153	154	339	380	1,241	1,843	2,529	1,315	854	364	225	145
10	152	157	349	378	1,338	1,826	2,489	1,334	837	353	220	142
11	160	160	337	401	1,396	1,826	2,478	1,322	822	345	215	140
12	159	187	331	454	1,424	1,848	2,478	1,300	806	338	212	137
13	159	221	345	503	1,444	1,852	2,498	1,338	791	332	208	135
14	158	221	399	529	1,424	1,870	2,489	1,428	775	326	205	133
15	157	225	478	537	1,408	1,874	2,468	1,488	763	320	203	130
16	156	229	466	542	1,392	1,892	2,424	1,592	751	316	200	128
17	155	235	435	547	1,368	1,954	2,394	1,950	738	310	196	126
18	154	243	395	588	1,353	1,972	2,345	2,108	729	306	191	125
19	154	249	366	655	1,357	1,999	2,293	2,205	717	302	190	122
20	154	239	366	760	1,322	2,008	2,251	2,265	705	298	188	122
21	153	228	374	879	1,296	2,017	2,219	2,283	696	294	184	120
22	153	218	378	957	1,289	2,004	2,196	2,223	690	288	181	120
23	161	214	370	987	1,292	1,990	2,163	2,219	685	284	178	118
24	159	206	370	1,018	1,292	1,986	2,122	2,186	690	280	174	117
25	159	214	382	1,035	1,292	2,008	2,089	1,804	699	276	171	117
26	159	229	399	1,025	1,322	2,145	2,071	1,635	711	270	171	115
27	158	239	408	1,004	1,349	2,326	2,085	1,493	696	266	168	115
28	154	239	404	991	1,384	2,453	2,067	1,368	673	262	165	113
29	160	240	401	970	1,404	2,540	2,022	1,270	641	258		112
30	161	255	401	934	1,404	2,590	2,013	1,179	611	254		111
31		275		898	1,404		1,892		567	251		111
Total	4,685	6,313	10,944	20,660	39,814	58,501	73,495	49,777	24,215	10,353	5,771	4,088
Mean	156	204	365	666	1,284	1,950	2,371	1,659	781	334	206	132
Max.	161	275	478	1,035	1,444	2,590	2,750	2,283	1,130	523	247	163
Min.	152	154	282	378	921	1,448	1,892	1,179	567	251	165	111
Runoff - MCM.	404.784	545.443	145.562	1,785.024	3,439.930	5,054.486	6,349.968	4,300.733	2,092.176	894.499	498.614	353.203

WATER YEAR 1913 : Max. 2,750 Min. 111 Mean 845 Annual Runoff 26,664.422 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 4	12.00	16.44	2,750				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1914
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

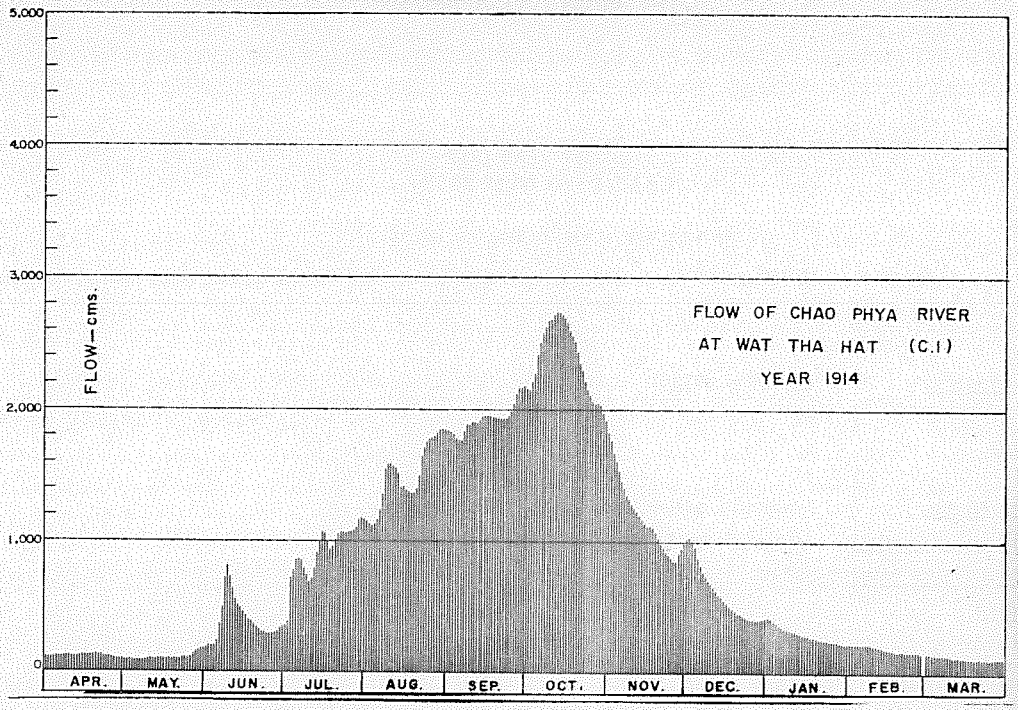
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-1913. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1914 TO MARCH 31, 1915

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.96	8.87	9.53	10.43	13.25	15.08	15.75	15.05	12.87	10.68	9.71	9.28
2	.96	.86	.63	11.26	.19	.05	.72	14.85	.91	.62	.69	.26
3	.97	.84	.62	.82	.17	.00	.85	.66	.81	.54	.69	.25
4	.97	.83	.60	12.09	.22	14.94	.99	.51	.60	.47	.68	.24
5	.97	.83	.78	.32	.33	.93	16.26	.33	.35	.41	.70	.23
6	9.03	8.83	10.41	12.35	13.62	14.93	16.42	14.17	12.14	10.36	9.71	9.22
7	.02	.82	11.07	.31	14.02	15.10	.54	.02	11.98	.30	.71	.20
8	.04	.83	.86	.14	.40	.18	.61	13.88	.87	.26	.68	.19
9	.05	.84	12.18	11.94	.52	.20	.67	.78	.77	.22	.66	.18
10	.05	.88	11.84	.76	.51	.24	.68	.67	.67	.19	.63	.16
11	9.03	8.93	11.47	11.79	14.46	15.23	16.76	13.58	11.57	10.16	9.60	9.16
12	.02	.92	.19	12.16	.40	.22	.80	.49	.45	.13	.58	.13
13	.03	.90	.03	.49	.29	.27	.78	.38	.35	.10	.54	.11
14	.06	.90	10.96	.80	.16	.32	.74	.27	.26	.06	.51	.09
15	.07	.90	.83	13.01	.04	.32	.71	.18	.19	.03	.49	.07
16	9.09	8.91	10.68	12.94	13.96	15.32	16.64	13.16	11.11	10.01	9.46	9.06
17	.11	.92	.58	.76	.92	.32	.55	.17	.02	9.98	.43	.04
18	.14	.94	.51	.58	.91	.31	.49	.11	10.95	.95	.41	.03
19	.17	.94	.42	.62	.92	.29	.41	12.98	.88	.93	.40	.02
20	.18	.95	.32	.84	14.01	.28	.28	.85	.82	.91	.38	.02
21	9.14	8.94	10.23	12.96	14.40	15.27	16.14	12.72	10.76	9.89	9.37	9.06
22	.09	.94	.14	13.01	.70	.27	.00	.61	.71	.87	.35	.03
23	.05	.96	.14	.00	.84	.30	15.86	.51	.67	.85	.35	8.98
24	.01	.94	.14	12.98	.98	.36	.73	.42	.64	.83	.36	.96
25	8.99	.99	.08	13.01	.96	.46	.62	.34	.63	.82	.37	.95
26	8.97	9.03	10.09	13.04	14.98	15.60	15.55	12.30	10.61	9.79	9.35	8.98
27	.93	.15	.10	.05	15.02	.70	.51	.33	.60	.78	.33	9.00
28	.92	.34	.19	.15	.05	.78	.54	.48	.61	.76	.30	.02
29	.90	.43	.33	.34	.09	.80	.49	.65	.62	.74		.03
30	.89	.46	.35	.39	.09	.80	.38	.78	.65	.73		8.99
31		.49		.33	.09		.23		.69	.73		.99
Mean	9.03	8.98	10.51	12.53	14.27	15.29	16.15	13.34	11.35	10.07	9.51	9.09
Max.	9.18	9.49	12.18	13.39	15.09	15.80	16.80	15.05	12.91	10.68	9.71	9.28
Min.	8.89	8.82	9.53	10.43	13.17	14.93	15.23	12.30	10.60	9.73	9.30	8.95

WATER YEAR 1914 : Max. 16.80 m. Min. 8.82 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1914 TO MARCH 31, 1915

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	110	98	195	369	1,144	1,836	2,150	1,823	1,022	425	226	154
2	110	97	212	565	1,125	1,823	2,135	1,737	1,035	412	222	151
3	111	95	210	712	1,118	1,802	2,201	1,657	1,003	393	222	149
4	111	94	207	787	1,134	1,776	2,275	1,594	940	377	221	148
5	111	94	238	856	1,170	1,772	2,423	1,524	865	364	224	146
6	119	94	364	865	1,267	1,772	2,514	1,464	802	354	226	145
7	118	92	517	853	1,407	1,845	2,584	1,407	756	341	226	142
8	120	94	723	802	1,551	1,881	2,626	1,358	725	333	221	141
9	121	95	814	745	1,598	1,890	2,662	1,323	698	324	217	139
10	121	100	717	695	1,594	1,908	2,668	1,284	671	318	212	136
11	119	106	617	703	1,574	1,903	2,716	1,253	644	312	207	136
12	118	105	547	808	1,551	1,899	2,740	1,223	612	306	204	132
13	119	102	507	907	1,509	1,921	2,728	1,186	587	300	197	129
14	123	102	490	1,000	1,460	1,944	2,704	1,150	565	292	192	127
15	124	102	460	1,067	1,415	1,944	2,686	1,122	547	286	188	124
16	127	103	425	1,045	1,386	1,944	2,644	1,115	527	282	183	123
17	129	105	402	988	1,372	1,944	2,590	1,118	505	276	178	120
18	134	107	386	934	1,368	1,939	2,554	1,099	488	270	175	119
19	138	107	366	946	1,372	1,930	2,508	1,058	471	266	173	118
20	139	108	345	1,018	1,404	1,926	2,434	1,016	458	262	170	118
21	134	107	326	1,051	1,551	1,921	2,357	976	444	258	168	123
22	127	107	308	1,067	1,674	1,921	2,280	943	432	255	165	119
23	121	110	308	1,064	1,733	1,935	2,206	913	423	251	165	112
24	116	107	308	1,058	1,768	1,962	2,140	886	416	247	167	110
25	114	114	296	1,067	1,785	2,007	2,085	862	414	246	168	108
26	111	119	298	1,077	1,793	2,075	2,050	850	409	240	165	112
27	106	135	300	1,080	1,811	2,125	2,030	859	407	238	162	115
28	105	163	318	1,112	1,823	2,165	2,045	904	409	235	157	118
29	102	178	347	1,173	1,841	2,275	2,020	955	412	231		119
30	101	183	351	1,190	1,841	2,175	1,971	994	418	229		114
31		188		1,170	1,841		1,903		428	229		114
Total	3,559	3,511	11,903	28,769	46,980	58,060	73,629	35,653	18,534	9,152	5,401	3,961
Mean	119	113	397	928	1,515	1,935	2,375	1,188	598	295	193	128
Max.	139	188	814	1,190	1,841	2,175	2,740	1,823	1,035	425	226	154
Min.	101	92	195	369	1,118	1,772	1,903	850	407	229	157	108
Runoff - mcm.	307.498	303.350	1,028.419	2,485.642	4,059.072	5,016.384	6,361.546	3,080.419	1,601.338	790.733	466.646	342.230

WATER YEAR 1914 : Max. 2,740 Min. 92 Mean 819 Annual Runoff 25,843.277 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 12	06.00	16.80	2,740				

WATER YEAR 1915
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rated Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

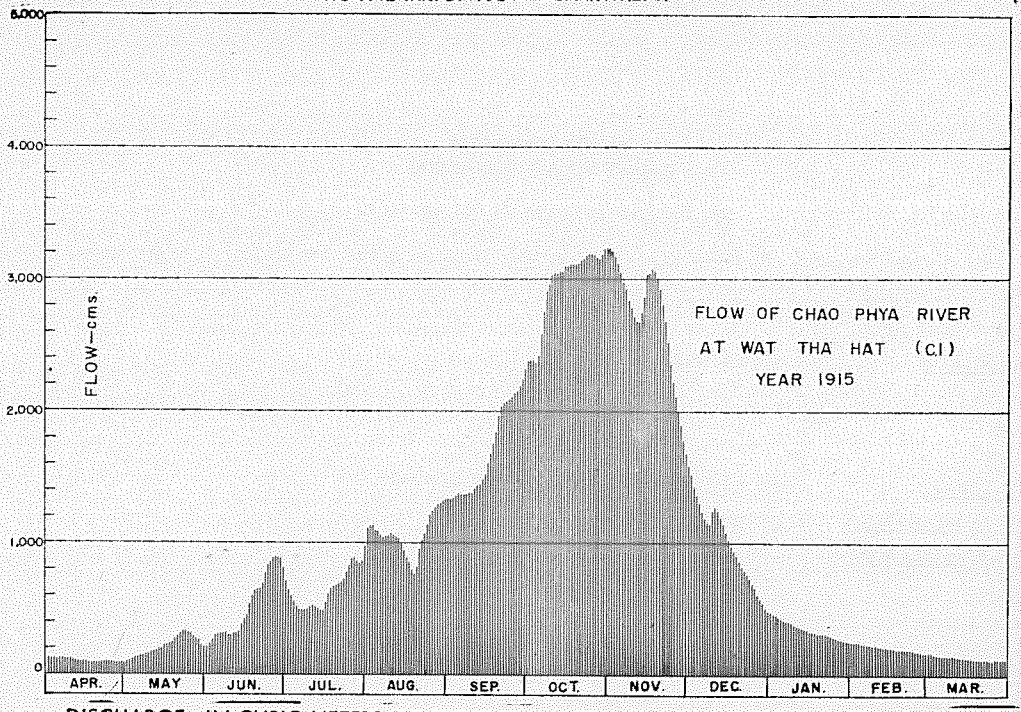
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1915 TO MARCH 31, 1916

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.00	8.87	9.67	11.87	13.10	13.79	16.17	17.52	14.44	10.91	9.89	9.34
2	8.99	.90	.78	.62	.21	.80	.18	.48	.23	.84	.86	.33
3	.99	.98	.92	.40	.19	.83	.18	.42	.03	.79	.85	.31
4	.99	9.03	10.10	.20	.05	.87	.15	.36	13.84	.74	.83	.31
5	.99	.10	.14	.05	.09	.92	.22	.28	.66	.69	.81	.29
6	9.00	9.16	10.17	10.98	12.98	13.90	16.57	17.17	13.48	10.65	9.78	9.28
7	.00	.21	.18	.96	.92	.91	.82	.07	.33	.60	.76	.27
8	8.97	.22	.15	.96	.94	.92	17.09	16.96	.24	.57	.74	.25
9	.97	.25	.11	.99	.98	.92	.18	.84	.24	.52	.72	.24
10	.92	.30	.09	11.07	13.02	.94	.25	.74	.58	.48	.71	.23
11	8.89	9.35	10.16	11.13	12.99	14.02	17.28	16.67	13.64	10.44	9.68	9.21
12	.87	.43	.20	.08	.94	.10	.29	.69	.52	.41	.66	.20
13	.85	.48	.28	.04	.87	.13	.30	.83	.37	.38	.64	.18
14	.84	.54	.48	10.95	.76	.26	.30	17.01	.21	.35	.63	.16
15	.81	.64	.65	.90	.61	.37	.35	.24	.02	.31	.60	.15
16	8.80	9.71	10.76	11.12	18.45	14.56	17.35	17.28	12.85	10.28	9.58	9.14
17	.78	.70	11.02	.41	.29	.75	.36	.32	.70	.24	.56	.13
18	.77	.78	.36	.60	.12	.97	.27	.30	.56	.22	.55	.11
19	.76	.88	.50	.68	11.99	15.22	.36	.22	.44	.19	.54	.09
20	.75	10.00	.61	.69	12.22	.44	.37	.07	.32	.16	.53	.08
21	8.73	10.10	11.61	11.73	12.61	15.54	17.39	16.98	12.21	10.13	9.51	9.06
22	.74	.18	.74	.77	.86	.57	.42	.65	.11	.11	.50	.05
23	.81	.24	.99	.81	13.03	.60	.44	.40	.01	.08	.48	.03
24	.84	.26	12.22	.98	.32	.62	.46	.13	11.90	.05	.46	.03
25	.85	.19	.32	12.21	.49	.65	.46	15.87	.77	.02	.44	.03
26	8.85	10.15	12.42	12.38	13.55	15.70	17.44	15.61	11.60	10.00	9.42	9.07
27	.81	9.98	.46	.42	.63	.75	.42	.35	.43	9.99	.40	.07
28	.80	.89	.45	.34	.71	.82	.42	.12	.28	.96	.37	.04
29	.79	.78	.37	.24	.74	.94	.47	14.88	.17	.94	.36	.03
30	.83	.69	.14	.32	.78	16.09	.51	.66	.07	.92		.05
31		.64		.73	.79		.52		10.98	.90		.03
Mean	8.87	9.60	11.00	11.57	13.01	14.73	17.13	16.66	12.87	10.32	9.61	9.15
Max.	9.00	10.26	12.46	12.73	13.79	16.09	17.52	17.52	14.44	10.91	9.89	9.34
Min.	8.73	8.87	9.67	10.90	11.99	13.79	16.17	14.66	10.98	9.90	9.36	9.03

WATER YEAR 1915 : Max. 17.52 m. Min. 8.73 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1915 TO MARCH 31, 1916

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	115	98	219	726	1,096	1,326	2,373	3,238	1,567	478	258	163
2	114	102	238	657	1,131	1,330	2,379	3,203	1,486	462	253	162
3	114	112	264	600	1,125	1,340	2,379	3,152	1,411	451	251	159
4	114	119	300	550	1,080	1,354	2,362	3,103	1,344	439	247	159
5	114	128	308	512	1,093	1,372	2,401	3,042	1,281	428	244	155
6	115	136	314	498	1,058	1,365	2,602	2,970	1,219	418	238	154
7	115	143	316	490	1,038	1,368	2,752	2,905	1,170	407	234	152
8	111	145	310	490	1,045	1,372	2,918	2,836	1,141	400	231	149
9	111	149	302	498	1,058	1,372	2,977	2,764	1,141	389	228	148
10	105	157	298	517	1,070	1,379	3,022	2,704	1,253	380	226	146
11	101	165	312	532	1,061	1,407	3,042	2,662	1,274	371	221	143
12	98	178	320	520	1,045	1,437	3,048	2,674	1,233	364	214	142
13	96	187	337	510	1,022	1,448	3,055	2,758	1,183	356	212	139
14	95	197	380	488	988	1,498	3,055	2,866	1,131	351	212	136
15	91	214	418	476	943	1,540	3,095	3,016	1,070	343	207	135
16	90	226	444	530	895	1,615	3,095	3,042	1,016	337	204	134
17	88	224	505	602	847	1,695	3,103	3,071	970	328	200	132
18	87	238	590	652	796	1,789	3,111	3,055	928	324	198	129
19	86	256	625	674	759	1,899	3,103	3,003	892	318	197	127
20	95	280	655	676	826	1,998	3,111	2,905	856	312	195	125
21	83	300	655	687	943	2,045	3,127	2,788	823	306	191	123
22	84	316	690	698	1,019	2,060	3,152	2,656	793	302	190	121
23	91	328	759	709	1,074	2,075	3,169	2,502	765	296	187	119
24	95	333	826	756	1,167	2,085	3,186	2,351	734	290	183	119
25	96	318	856	823	1,323	2,100	3,186	2,211	698	284	180	119
26	96	310	886	874	1,243	2,125	3,169	2,080	652	280	176	124
27	91	276	898	886	1,270	2,150	3,152	1,957	607	278	173	124
28	90	258	895	862	1,298	2,185	3,132	1,854	570	272	168	120
29	89	238	871	832	1,309	2,248	3,194	1,750	542	268	166	119
30	94	222	802	856	1,323	2,329	3,229	1,657	517	264		121
31		214		939	1,326		3,238		495	260		119
Total	2,954	6,567	15,593	20,160	33,171	51,306	91,937	80,775	30,760	10,756	6,092	4,217
Mean	98.5	212	520	650	1,070	1,710	2,966	2,692	992	347	210	136
Max.	115	333	898	979	1,326	2,329	3,238	3,238	1,567	478	258	163
Min.	83	98	219	476	759	1,326	2,373	1,657	495	260	167	119
Runoff – mcm.	255.226	567.389	1,347.235	1,741.824	2,865.974	4,432.838	7,943.357	6,978.960	2,657.664	929.318	526.349	364.349

WATER YEAR 1915 : Max. 3,238 Min. 83 Mean 968 Annual Runoff 30,610.483mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 30	12.00	17.52	3,238				

WATER YEAR 1916
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

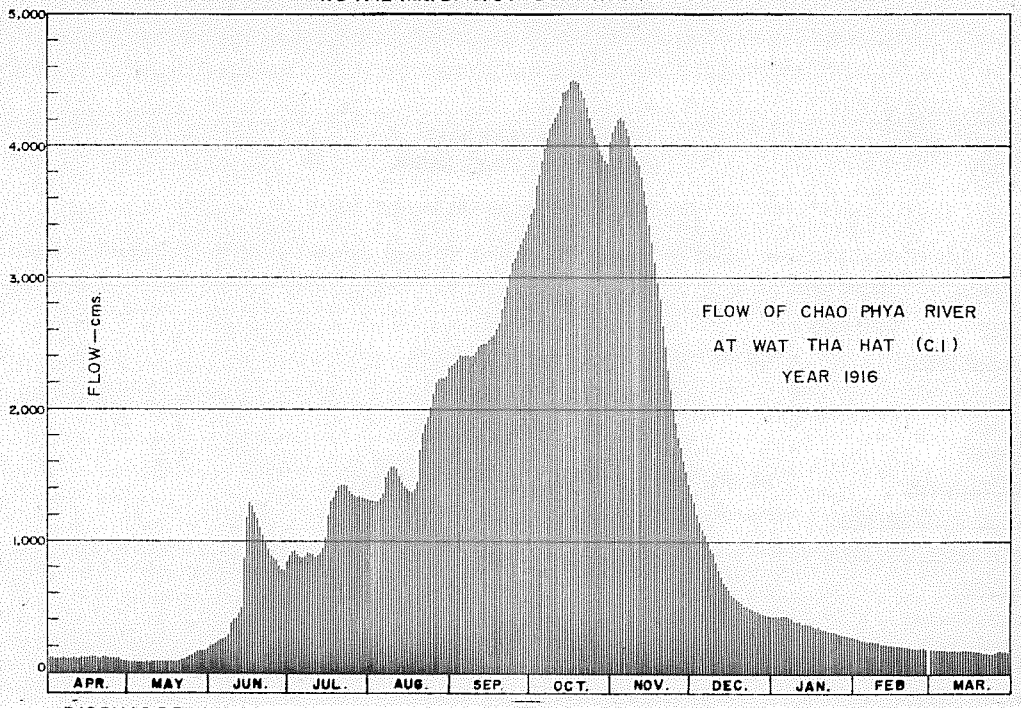
General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1916 TO MARCH 31, 1917

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.99	8.81	9.59	12.40	13.75	16.11	17.78	18.29	13.83	10.73	9.95	9.42
2	.97	.79	.68	.56	.72	.17	.84	.32	.63	.73	.92	.42
3	.96	.77	.74	.59	.71	.18	.98	.35	.42	.71	.90	.39
4	.95	.76	.81	.52	.74	.22	18.05	.36	.23	.71	.88	.42
5	.95	.78	.87	.42	.80	.23	.13	.34	.05	.71	.86	.43
6	8.96	8.74	9.90	12.38	13.92	16.22	18.20	18.30	12.90	10.70	9.84	9.40
7	.95	.72	.98	.41	14.23	.23	.26	.26	.75	.66	.81	.39
8	.95	.72	10.13	.51	.35	.22	.31	.21	.60	.61	.79	.38
9	.97	.74	.50	.49	.44	.24	.34	.16	.44	.56	.77	.37
10	.96	.74	.59	.48	.45	.29	.36	.13	.26	.52	.75	.37
11	8.95	8.77	10.67	12.39	14.37	16.35	18.39	18.10	12.05	10.50	9.73	9.37
12	.95	.77	.87	.42	.25	.38	.43	.03	11.85	.48	.71	.38
13	.96	.75	11.82	.52	.15	.38	.48	17.95	.69	.46	.69	.38
14	.99	.74	12.81	.65	.06	.39	.49	.85	.56	.43	.67	.42
15	9.03	.75	13.46	.97	.00	.44	.50	.71	.47	.40	.66	.39
16	9.06	8.76	13.69	13.44	13.95	16.48	18.53	17.54	11.38	10.36	9.64	9.38
17	.06	.77	.62	.72	.94	.52	.33	.35	.31	.33	.62	.35
18	.05	.81	.47	.88	.99	.60	.55	.13	.24	.30	.60	.34
19	.02	.84	.32	.98	14.19	.70	.52	16.88	.18	.27	.59	.34
20	.00	.87	.16	14.03	.73	.86	.49	.60	.12	.24	.56	.31
21	9.05	8.89	12.94	14.07	15.05	17.02	18.46	16.31	11.06	10.22	9.53	9.30
22	.06	.93	.80	.10	.22	.15	.41	.01	.02	.19	.51	.30
23	.04	9.00	.64	.04	.34	.26	.36	15.72	10.97	.16	.50	.28
24	8.99	.08	.47	13.94	.51	.36	.32	.44	.93	.13	.48	.28
25	.95	.16	.35	.87	.72	.43	.28	.19	.89	.11	.47	.31
26	8.92	9.29	12.30	13.83	15.85	17.49	18.23	14.94	10.85	10.08	9.47	9.33
27	.89	.40	.21	.80	.92	.55	.19	.71	.82	.06	.47	.33
28	.87	.38	.11	.84	.94	.60	.16	.48	.78	.04	.44	.33
29	.85	.38	.05	.82	.92	.65	.12	.29	.75	.01		.31
30	.83	.40	.21	.78	.96	.70	.11	.04	.73	9.99		.29
31		.49		.78	16.05		.23		.73	.97		.29
Mean	8.97	8.88	11.69	13.21	14.71	16.70	18.33	16.97	11.76	10.37	9.67	9.35
Max.	9.06	9.49	13.69	14.10	16.05	17.70	18.53	18.36	13.83	10.73	9.95	9.43
Min.	8.83	8.72	9.59	12.38	13.71	16.11	17.78	14.04	10.73	9.97	9.44	9.28

WATER YEAR 1916 : Max. 18.53 m. Min. 8.72 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1916 TO MARCH 31, 1917

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	114	91	205	880	1,312	2,340	3,481	4,106	1,340	437	270	176
2	111	89	221	928	1,302	2,346	3,540	4,150	1,270	437	264	176
3	109	87	231	937	1,298	2,379	3,696	4,195	1,200	432	260	171
4	108	86	244	916	1,309	2,401	3,785	4,210	1,138	432	256	176
5	108	88	255	886	1,330	2,406	3,889	4,180	1,080	432	253	178
6	110	84	260	874	1,372	2,401	3,980	4,120	1,032	430	249	173
7	108	82	276	883	1,486	2,406	4,064	4,064	985	421	244	171
8	108	82	306	913	1,532	2,401	4,135	3,994	940	409	240	170
9	111	84	384	907	1,567	2,412	4,180	3,928	892	398	237	168
10	110	84	405	904	1,570	2,439	4,210	3,889	838	389	233	168
11	108	87	423	877	1,540	2,473	4,255	3,850	776	384	229	168
12	108	87	469	886	1,494	2,491	4,318	3,759	720	380	226	170
13	110	85	712	916	1,456	2,491	4,398	3,660	676	375	222	170
14	114	84	1,003	955	1,422	2,496	4,414	2,550	647	369	219	176
15	119	85	1,213	1,054	1,400	2,525	4,430	3,414	617	362	217	171
16	123	86	1,291	1,206	1,382	2,548	4,481	3,256	595	354	214	170
17	123	87	1,267	1,302	1,379	2,572	4,481	3,095	577	347	210	165
18	121	91	1,216	1,358	1,399	2,620	4,481	2,944	560	341	207	163
19	118	94	1,167	1,398	1,471	2,680	4,464	2,788	545	335	205	163
20	115	98	1,115	1,411	1,587	2,776	4,414	2,620	530	328	200	159
21	121	101	1,045	1,426	1,823	2,873	4,366	2,451	515	324	195	157
22	123	106	1,090	1,437	1,899	2,957	4,286	2,285	505	318	192	157
23	120	115	952	1,415	1,953	3,029	4,210	2,135	493	312	190	154
24	114	125	901	1,379	2,030	3,103	4,150	1,998	483	306	187	154
25	108	136	865	1,354	2,135	3,160	4,092	1,885	474	302	185	159
26	105	155	850	1,340	2,201	3,211	4,022	1,776	464	296	185	162
27	101	173	823	1,330	2,238	3,265	3,967	1,678	458	292	185	162
28	98	170	793	1,344	2,248	3,310	3,928	1,582	448	288	180	162
29	96	170	776	1,337	2,238	3,357	3,889	1,498	441	282		159
30	93	173	823	1,323	2,259	3,405	3,863	1,415	437	278		155
31		188		1,323	2,307		4,022		437	274		155
Total	3,337	3,354	21,491	35,399	52,039	81,271	127,871	92,475	22,113	11,064	6,154	5,138
Mean	111	108	716	1,142	1,679	2,709	4,125	3,082	713	357	220	166
Max.	123	188	1,291	1,437	2,307	3,405	4,481	4,210	1,340	437	270	176
Min.	94	82	205	874	1,298	2,340	3,481	1,415	437	274	180	155
Runoff - mcm.	288.317	289.786	1,856.822	3,059.474	4,496.170	7,021.987	11,048.054	7,989.840	1,910.563	955.930	531.706	443.923

WATER YEAR 1916 : Max. 4,481 Min. 82 Mean 1,265 Annual Runoff 39,891.571 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 16	12.00	18.53	4,481				

WATER YEAR 1917
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

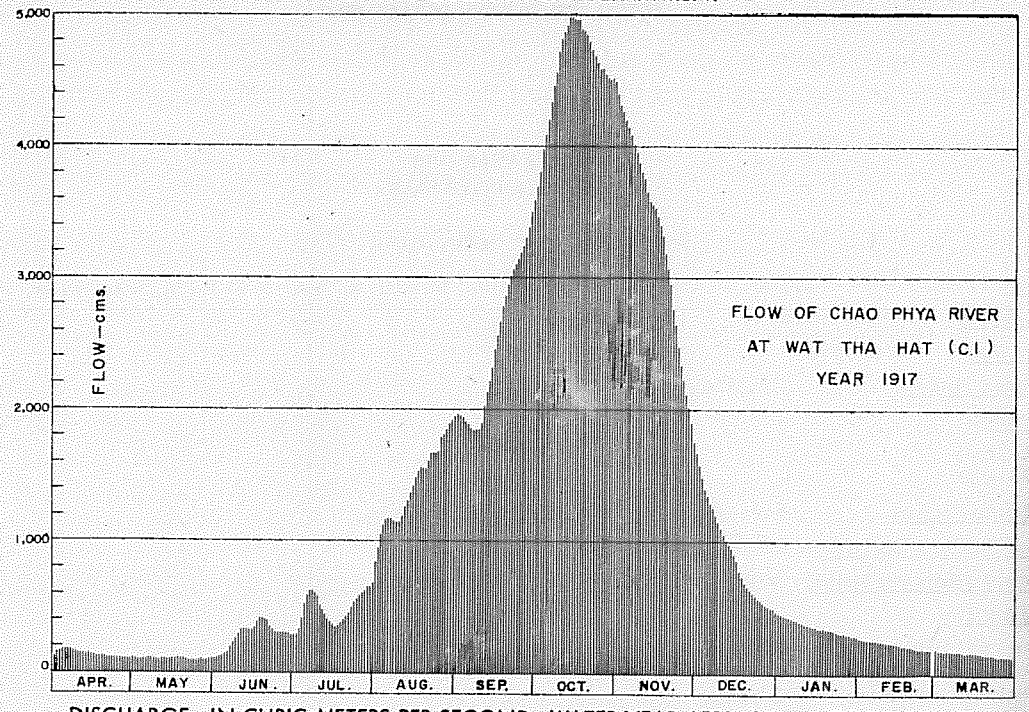
Overbank Flow Conditions: No overbank flow.

General Description: Records fair stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1917 TO MARCH 31, 1918

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.29	8.90	8.98	10.00	12.33	15.35	17.98	18.48	14.61	10.83	9.98	9.45
2	.31	.89	9.00	.01	.78	.35	18.08	.43	.37	.79	.96	.44
3	.35	.88	.04	.26	13.09	.32	.17	.39	.16	.75	.93	.42
4	.39	.93	.12	.62	.23	.26	.27	.35	13.96	.71	.92	.41
5	.40	.96	.24	11.14	.33	.19	.34	.31	.81	.68	.90	.39
6	9.40	8.94	9.33	11.41	13.33	15.13	18.40	18.27	13.65	10.65	9.89	9.39
7	.38	.96	.56	.51	.31	.10	.51	.22	.55	.63	.87	.39
8	.34	.91	.79	.51	.27	.08	.57	.17	.39	.59	.85	.39
9	.30	.89	.96	.43	.22	.09	.66	.12	.25	.55	.83	.39
10	.27	.87	10.11	.28	.25	.12	.71	.06	.09	.52	.80	.39
11	9.25	8.86	10.24	11.07	13.42	15.43	18.74	18.01	12.95	10.48	9.79	9.37
12	.23	.89	.29	10.98	.60	.75	.77	17.94	.81	.44	.75	.38
13	.20	.93	.26	.69	.72	.90	.80	.88	.70	.41	.75	.37
14	.19	.95	.24	.56	.89	16.90	.80	.85	.59	.38	.71	.36
15	.17	.95	.21	.44	.98	.32	.79	.82	.45	.36	.70	.35
16	9.14	8.97	10.33	10.35	14.20	16.56	18.79	17.76	12.27	10.33	9.67	9.32
17	.12	.98	.54	.32	.32	.73	.79	.69	.05	.31	.65	.30
18	.10	.97	.63	.35	.42	.89	.75	.56	11.87	.31	.63	.28
19	.07	.94	.63	.51	.41	17.03	.75	.44	.73	.28	.61	.26
20	.05	.92	.59	.64	.40	.14	.73	.26	.61	.27	.59	.25
21	9.03	8.91	10.49	10.71	14.53	17.25	18.70	17.06	11.51	10.25	9.57	9.24
22	.02	.86	.25	.82	.67	.31	.67	16.83	.12	.22	.56	.22
23	.00	.84	.15	.98	.70	.38	.64	.58	.34	.19	.54	.21
24	8.98	.83	.11	11.17	.70	.48	.62	.32	.27	.16	.52	.18
25	.97	.84	.10	.21	.74	.48	.59	.08	.21	.14	.51	.16
26	8.95	8.85	10.12	11.33	14.97	17.53	18.59	15.85	11.14	10.11	9.49	9.15
27	.94	.86	.12	.42	15.03	.61	.57	.62	.07	.10	.48	.13
28	.93	.86	.10	.52	.12	.66	.55	.36	.01	.10	.46	.12
29	.93	.88	.07	.56	.90	.78	.54	.10	10.97	.04		.10
30	.91	.91	.04	.56	.26	.87	.55	14.85	.97	.02		.10
31		.94		.73	.32		.53		.87	.00		.10
Mean	9.15	8.90	9.99	10.93	14.06	16.40	18.58	17.32	12.37	10.27	9.71	9.29
Max.	9.40	8.98	10.63	11.73	15.32	17.87	18.80	18.48	14.61	10.83	9.98	9.45
Min.	8.91	8.83	8.98	10.00	12.33	15.08	17.98	14.85	10.87	10.00	9.46	9.10

WATER YEAR 1917 : Max. 18.80 m. Min. 8.83 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1917 TO MARCH 31, 1918

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	115	102	112	280	859	1,957	3,696	4,398	1,636	460	276	181
2	159	101	115	282	994	1,957	3,824	4,318	1,540	451	272	180
3	165	100	120	333	1,093	1,944	3,941	4,255	1,460	441	266	176
4	171	106	131	412	1,138	1,917	4,078	4,195	1,386	432	264	175
5	173	110	148	535	1,170	1,885	4,180	4,135	1,333	425	260	171
6	173	107	162	602	1,170	1,858	4,270	4,078	1,277	418	258	171
7	170	110	200	628	1,163	1,845	4,447	4,008	1,243	414	255	171
8	163	103	240	628	1,150	1,836	4,549	3,941	1,190	405	251	171
9	157	101	272	607	1,134	1,841	4,708	3,876	1,144	395	247	171
10	152	98	302	570	1,144	1,854	4,799	3,798	1,093	389	242	171
11	149	97	328	517	1,200	1,993	4,856	3,733	1,048	380	240	168
12	146	101	339	471	1,260	2,150	4,913	3,648	1,003	371	933	169
13	142	106	333	428	1,302	2,227	4,970	3,580	970	364	233	168
14	141	108	328	398	1,361	2,329	4,970	3,550	937	358	226	166
15	138	108	322	371	1,393	2,456	4,951	3,520	895	354	224	165
16	134	111	347	351	1,475	2,596	4,951	3,462	841	347	219	160
17	131	112	393	345	1,521	2,698	4,951	3,395	779	343	215	157
18	128	111	414	351	1,559	2,794	4,875	3,292	726	343	212	154
19	124	107	414	386	1,555	2,879	4,875	3,169	687	337	208	151
20	121	105	405	416	1,551	2,951	4,837	3,029	655	335	205	149
21	119	103	382	432	1,603	3,022	4,780	2,899	628	330	901	148
22	118	97	330	458	1,661	3,063	4,726	2,758	605	324	200	145
23	115	95	310	495	1,674	3,119	4,672	2,608	585	318	196	143
24	112	94	302	542	1,674	3,160	4,636	2,456	567	312	193	139
25	111	95	300	552	1,691	3,203	4,583	2,324	552	308	192	136
26	108	96	304	582	1,789	3,247	4,583	2,201	535	302	188	135
27	107	97	304	605	1,815	3,319	4,549	2,085	517	300	187	132
28	106	97	300	630	1,854	3,386	4,515	1,962	502	300	183	130
29	106	100	294	641	1,890	3,481	4,498	1,845	492	288	–	128
30	103	103	288	641	1,917	3,570	4,515	1,737	493	284	–	128
31		107		687	1,944		4,481		469	280	–	128
Total	4,097	3,188	8,539	15,176	44,704	76,537	142,179	98,255	27,777	11,108	6,347	4,840
Mean	136	103	285	489	1,442	2,551	4,586	3,275	896	358	227	156
Max.	173	112	414	687	1,944	3,570	4,970	4,398	1,636	460	276	181
Min.	103	94	112	280	859	1,836	3,696	1,737	469	280	183	128
Runoff – mcm.	353.981	275.443	737.770	1,311.206	3,861.426	6,612.797	12,284.266	8,489.232	2,399.933	959.731	548.381	418.176

WATER YEAR 1917 : Max. 4,970 Min. 94 Mean 1,213 Annual Runoff 38,253.341 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 13	18.00	18.81	4,970				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1918
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: +19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

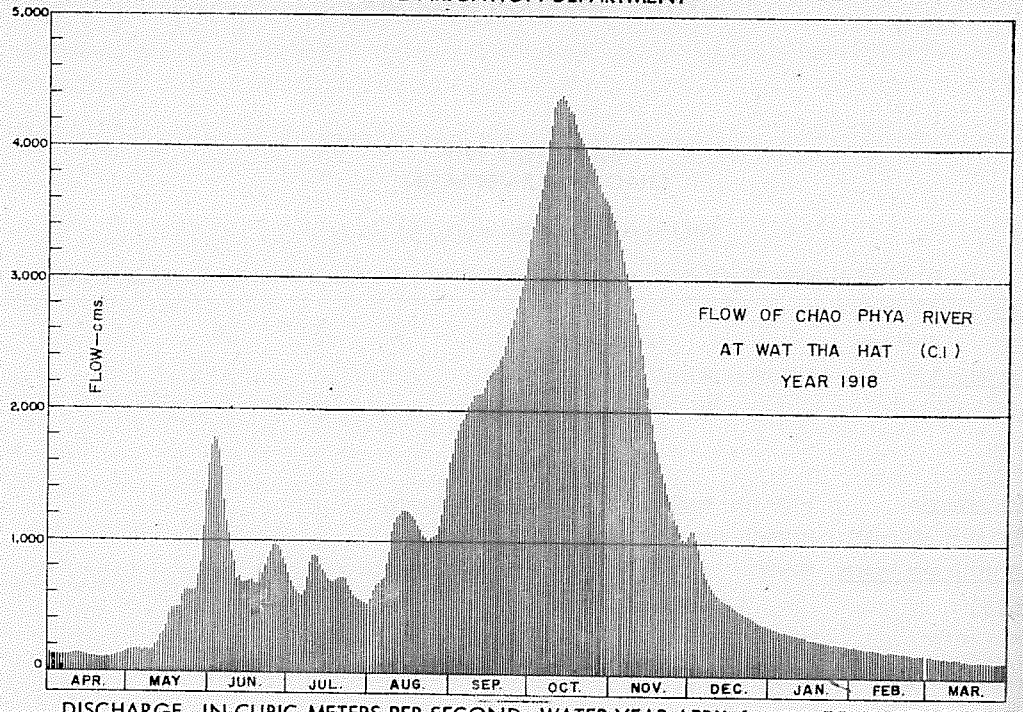
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1918 TO MARCH 31, 1919

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.12	9.38	14.79	11.90	11.27	14.72	17.71	17.74	13.11	10.42	9.76	9.37
2	.10	.39	.95	.73	.48	.99	.81	.66	.08	.39	.74	.34
3	.08	.39	.90	.59	.68	15.14	.89	.58	12.91	.36	.72	.32
4	.07	.38	.65	.46	.73	.23	.97	.48	.64	.33	.71	.30
5	.07	.36	.25	.36	.79	.31	18.06	.38	.35	.30	.67	.30
6	9.05	9.35	13.77	11.31	11.87	15.43	18.15	17.27	12.11	10.27	9.65	9.28
7	.05	.32	.30	.53	12.14	.52	.25	.13	11.93	.25	.64	.26
8	.07	.35	12.91	.96	.51	.59	.35	16.98	.77	.23	.62	.28
9	.09	.37	.56	12.27	.99	.66	.42	.81	.65	.20	.61	.25
10	.13	.43	.27	.42	13.29	.69	.45	.63	.53	.17	.59	.23
11	9.18	9.57	12.03	12.46	13.40	15.69	18.46	16.42	11.44	10.15	9.57	9.21
12	.16	.74	.86	.38	.45	.72	.47	.25	.36	.13	.55	.19
13	.11	10.00	.76	.23	.50	.81	.45	15.92	.30	.11	.54	.17
14	.07	.18	.74	.07	.52	.90	.43	.66	.26	.09	.53	.16
15	.04	.42	.77	11.94	.49	.97	.40	.40	.23	.06	.56	.13
16	9.01	10.80	11.77	11.82	13.45	16.02	18.36	15.15	11.17	10.04	9.54	9.12
17	8.98	.94	.71	.75	.37	.07	.33	14.92	.11	.02	.52	.11
18	.95	11.02	.65	.74	.29	.10	.30	.70	.05	.00	.49	.09
19	.94	10.97	.66	.79	.17	.19	.27	.48	.00	9.97	.48	.08
20	.92	11.04	.71	.85	.08	.31	.23	.27	10.93	.95	.47	.08
21	8.90	11.34	12.00	11.90	12.98	16.42	18.20	14.07	10.88	9.93	9.45	9.07
22	.89	.53	.25	.89	.87	.55	.16	13.88	.83	.91	.44	.05
23	.89	.53	.44	.77	.81	.66	.12	.69	.79	.89	.42	.07
24	.94	.51	.59	.62	.86	.77	.09	.52	.74	.87	.42	.06
25	9.03	.49	.67	.47	.90	.90	.04	.34	.70	.85	.40	.04
26	9.08	11.54	12.69	11.34	12.95	17.03	18.00	13.17	10.65	9.83	9.39	9.03
27	.09	.96	.61	.26	13.09	.17	17.95	.01	.61	.83	.41	.03
28	.11	12.26	.47	.22	.47	.31	.92	12.87	.57	.81	.40	.02
29	.15	.88	.30	.19	.82	.46	.89	.84	.53	.80		.03
30	.25	13.96	.10	.15	14.21	.59	.86	13.01	.50	.78		.02
31		14.46		.12	.53		.80		.46	.77		.01
Mean	9.05	10.74	12.69	11.72	12.93	16.10	18.15	15.31	11.36	10.05	9.55	9.15
Max.	9.25	14.46	14.95	12.46	14.53	17.59	18.47	17.77	13.11	10.42	9.76	9.37
Min.	8.89	9.32	11.65	11.12	11.27	14.72	17.71	12.84	10.46	9.77	9.39	9.01

WATER YEAR 1918 : Max. 18.47 m. Min. 8.89 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1918 TO MARCH 31, 1919

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	131	170	1,712	734	567	1,682	3,414	3,443	1,099	366	235	168
2	128	171	1,780	687	620	1,798	3,510	3,367	1,090	360	231	163
3	125	171	1,759	649	674	1,863	3,590	3,292	1,035	354	228	160
4	124	170	1,653	615	687	1,903	3,684	3,203	952	347	226	157
5	124	167	1,493	590	703	1,939	3,798	3,119	865	341	219	157
6	121	165	1,319	577	726	1,993	3,915	3,035	793	335	215	154
7	121	160	1,160	633	802	2,035	4,050	2,944	742	330	214	151
8	124	165	1,035	750	913	2,070	4,195	2,848	698	326	210	154
9	127	168	928	841	1,061	2,105	4,302	2,746	665	320	209	149
10	132	178	841	886	1,157	2,120	4,350	2,638	633	314	205	146
11	139	202	682	898	1,193	2,120	4,266	2,514	610	310	202	143
12	136	231	723	874	1,209	2,135	4,382	2,417	590	306	198	141
13	129	280	695	829	1,226	2,180	4,350	2,238	575	302	197	138
14	124	316	690	781	1,233	2,227	4,318	2,105	565	298	195	136
15	120	366	698	745	1,223	2,264	4,270	1,980	557	292	200	132
16	116	453	698	712	1,209	2,291	4,210	1,867	542	288	197	131
17	112	485	682	692	1,183	2,318	4,165	1,768	527	284	193	129
18	109	505	665	690	1,157	2,335	4,120	1,674	512	280	188	127
19	107	493	668	703	1,118	2,384	4,078	1,582	500	274	186	125
20	105	510	682	720	1,090	2,451	4,022	1,502	483	270	185	125
21	102	585	762	734	1,058	2,514	3,980	1,425	471	266	181	124
22	101	623	835	731	1,022	2,590	3,928	1,358	460	262	180	121
23	101	633	892	698	1,003	2,656	3,876	1,291	451	258	176	124
24	107	628	937	657	1,019	2,722	3,837	1,233	439	254	176	123
25	119	622	961	617	1,032	2,800	3,772	1,173	430	251	173	120
26	125	636	967	585	1,048	2,879	3,720	1,118	418	247	171	119
27	127	751	943	565	1,093	2,970	3,660	1,067	409	247	175	119
28	129	838	901	555	1,216	3,063	3,624	1,022	400	244	173	118
29	135	1,026	850	547	1,337	3,186	3,590	1,012	390	242		119
30	149	1,396	790	537	1,479	3,301	3,560	1,067	384	238		118
31		1,574		530	1,603		3,500		375	237		116
Total	3,648	14,839	29,401	21,364	32,649	70,894	122,136	62,050	18,661	9,044	5,539	4,207
Mean	122	479	980	689	1,053	2,363	3,940	2,068	602	292	198	136
Max.	149	1,574	1,780	898	1,603	3,301	4,382	3,443	1,099	366	235	168
Min.	101	160	665	530	567	1,682	3,414	1,013	375	237	171	116
Runoff - MCM.	315.187	1,282.090	2,540.246	1,845.850	2,820.874	6,125.242	10,550.550	5,361.120	1,612.310	781.570	478.570	363.485

WATER YEAR 1918 : Max. 4,382 Min. 101 Mean 1,079 Annual Runoff34,077.197 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 12	06.00	18.47	4,382				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1919
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

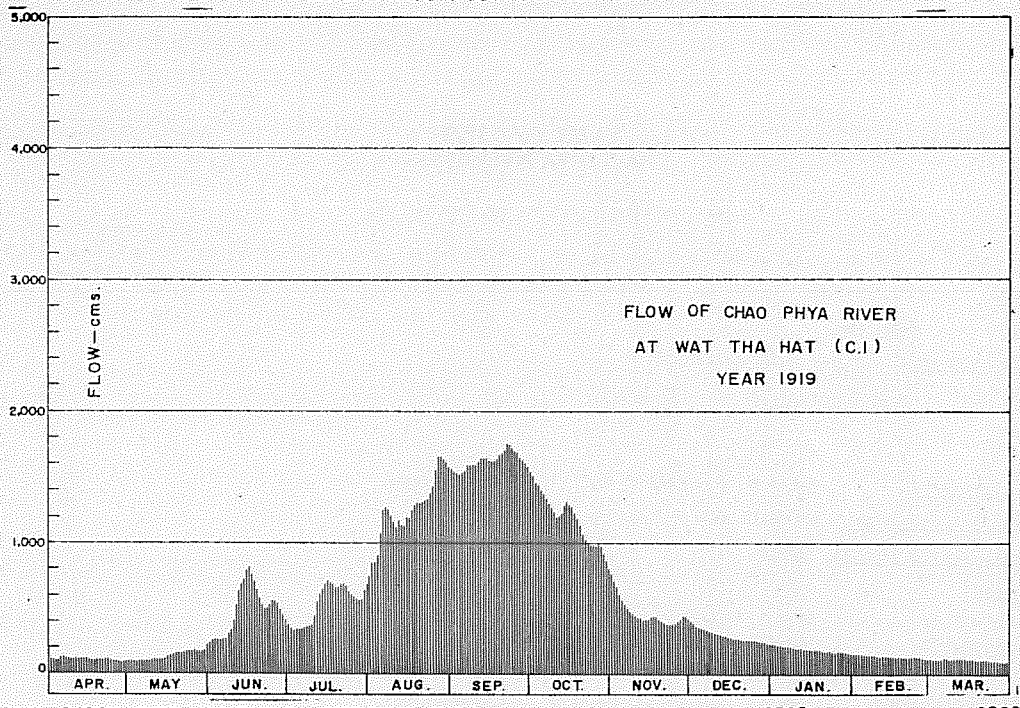
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1919 TO MARCH 31, 1920

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.99	8.87	9.87	10.44	12.15	14.39	14.35	11.95	10.54	9.69	9.29	9.00
2	.97	.88	.97	.33	.27	.33	.23	.78	.46	.67	.28	8.98
3	.94	.86	.96	.25	.30	.32	.13	.60	.40	.65	.26	.97
4	.94	.83	.91	.23	.46	.30	.05	.39	.35	.63	.25	.98
5	9.16	.83	.90	.27	13.04	.35	13.95	.24	.31	.61	.24	.98
6	9.16	8.84	9.92	10.33	13.54	.4.42	13.89	11.09	10.27	9.59	9.23	9.09
7	.10	.86	.96	.38	.62	.49	.79	10.96	.23	.58	.22	.03
8	.04	.85	10.10	.42	.53	.50	.66	.87	.19	.57	.21	.01
9	8.99	.86	.28	.41	.40	.49	.55	.79	.15	.55	.19	.02
10	9.00	.90	.65	.46	.25	.50	.48	.71	.13	.54	.18	.01
11	9.03	8.91	11.24	10.83	13.13	14.57	13.40	10.66	10.10	9.53	9.17	9.00
12	.02	.93	.58	11.25	.00	.62	.42	.61	.08	.52	.17	.01
13	8.99	.95	.72	.47	12.88	.62	.48	.61	.06	.50	.17	.01
14	.98	.96	.91	.63	.68	.60	.66	.61	.03	.49	.14	8.97
15	.97	9.02	12.12	.76	13.10	.57	.74	.65	.00	.47	.13	.95
16	8.96	9.12	12.16	11.79	13.39	14.56	13.65	10.72	9.97	9.46	9.11	8.94
17	.94	.20	.01	.75	.60	.55	.55	.74	.95	.45	.10	.93
18	.92	.25	11.79	.68	.71	.61	.46	.67	.92	.44	.08	.94
19	.93	.32	.54	.62	.73	.67	.32	.61	.92	.43	.07	.91
20	.92	.35	.30	.66	.71	.69	.16	.56	.90	.42	.06	.91
21	8.92	9.32	11.13	11.76	13.73	14.79	12.98	10.51	9.88	9.41	9.05	8.89
22	.91	.33	.01	.74	.77	.87	.83	.47	.87	.40	.05	.88
23	.91	.34	.00	.66	.83	.84	.74	.45	.87	.38	.13	.85
24	.90	.40	.15	.51	.96	.79	.70	.44	.86	.37	.13	.84
25	.88	.41	.25	.37	14.12	.73	.67	.46	.85	.36	.08	.84
26	8.86	9.45	11.22	11.33	14.45	14.67	12.71	10.52	9.83	9.35	9.05	8.82
27	.84	.39	.11	.31	.63	.61	.77	.65	.81	.35	.03	.82
28	.83	.38	10.97	.22	.64	.55	.65	.74	.78	.34	.02	.81
29	.82	.38	.75	.25	.59	.49	.45	.73	.76	.33	.01	.78
30	.84	.52	.58	.52	.52	.43	.27	.64	.73	.32		.77
31		.70		.77	.44		.11		.71	.31		.78
Mean	8.95	9.13	10.93	11.14	13.53	14.56	13.32	10.81	10.03	9.46	9.13	8.91
Max.	9.16	9.70	12.16	11.79	14.64	14.87	14.35	11.95	10.54	9.69	9.29	9.09
Min.	8.82	8.83	9.87	10.23	12.15	14.30	12.11	10.44	9.71	9.31	9.01	8.77

WATER YEAR 1919 : Max. 14.87 m. Min. 8.77 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1919 TO MARCH 31, 1920

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	114	98	256	371	805	1,547	1,532	748	393	222	155	115
2	111	100	274	347	841	1,524	1,486	701	375	219	154	112
3	107	97	272	330	850	1,521	1,448	652	360	215	151	111
4	107	94	262	326	897	1,513	1,418	597	351	212	149	112
5	136	94	260	335	1,077	1,532	1,382	560	343	209	148	112
6	136	95	264	347	1,240	1,559	1,361	522	335	205	146	127
7	128	97	272	358	1,267	1,586	1,326	490	326	204	145	119
8	120	96	390	366	1,236	1,590	1,288	469	318	202	143	116
9	113	97	337	364	1,193	1,586	1,243	451	310	198	141	118
10	115	102	418	375	1,144	1,590	1,219	432	306	197	139	116
11	119	103	560	460	1,106	1,619	1,193	421	300	195	138	115
12	118	106	647	562	1,064	1,640	1,200	409	296	193	138	116
13	114	108	684	617	1,026	1,640	1,219	409	292	190	138	116
14	112	110	737	660	1,026	1,632	1,281	409	286	188	134	111
15	111	118	796	695	1,096	1,619	1,309	418	280	185	132	108
16	110	131	808	703	1,190	1,615	1,277	435	274	183	129	107
17	107	142	765	692	1,260	1,611	1,243	439	270	181	128	106
18	104	149	703	674	1,298	1,636	1,213	423	266	180	125	107
19	106	160	636	657	1,305	1,661	1,167	409	264	178	124	103
20	105	165	586	668	1,298	1,670	1,115	398	260	176	123	103
21	105	160	552	695	1,305	1,712	1,058	386	256	175	121	101
22	103	161	502	689	1,319	1,746	1,010	377	255	173	121	100
23	103	163	500	668	1,340	1,733	982	373	255	170	132	96
24	102	173	537	628	1,386	1,712	970	371	253	168	132	95
25	100	175	562	592	1,445	1,687	961	375	251	167	125	95
26	97	181	555	582	1,570	1,661	973	389	247	165	121	92
27	95	171	527	577	1,645	1,636	991	418	244	165	119	92
28	94	170	493	555	1,649	1,611	955	439	238	163	118	91
29	92	170	441	562	1,628	1,586	895	437	235	162	116	88
30	95	193	402	630	1,598	1,563	841	416	229	160		87
31		224		698	1,567		793		226	159		88
Total	3,201	4,204	14,877	16,784	38,672	48,538	36,349	13,773	8,894	5,759	3,885	3,275
Mean	109	136	496	541	1,247	1,618	1,172	459	287	186	134	106
Max.	136	224	808	703	1,649	1,746	1,532	748	393	222	155	127
Min.	92	94	256	326	805	1,513	793	371	226	159	116	87
Runoff - mcm.	283.478	363.225	1,285.373	1,450.137	3,341.261	4,193.683	3,140.554	1,189.987	768.442	497.578	335.664	282.960

WATER YEAR 1919 : Max. 1,746 Min. 87 Mean 542 Annual Runoff 17,132.342mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 22	12.00	14.88	1,750				

WATER YEAR 1920
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manoram, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

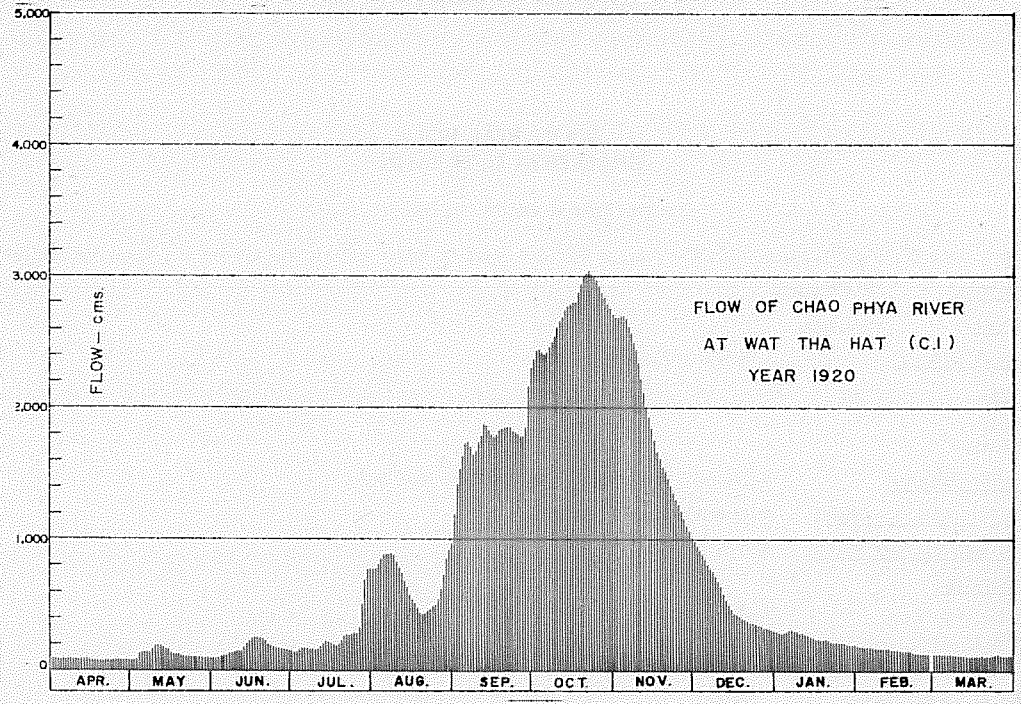
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1920 TO MARCH 31, 1921

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.77	8.60	8.87	9.19	12.05	13.15	16.18	16.70	12.73	10.10	9.49	9.05
2	.75	.63	.85	.16	.06	14.03	.27	.70	.60	.07	.47	.05
3	.76	.83	.87	.21	.19	.35	.28	.72	.47	.07	.45	.05
4	.76	9.08	.90	.33	.32	.63	.25	.72	.37	.08	.43	.04
5	.75	.15	.94	.38	.40	.83	.21	.67	.25	.10	.42	.04
6	8.74	9.15	8.98	9.38	12.41	14.85	16.27	16.59	12.14	10.13	9.41	9.03
7	.75	.13	9.06	.36	.43	.74	.33	.48	.04	.13	.41	.02
8	.76	.16	.13	.33	.44	.61	.38	.35	11.93	.09	.40	.01
9	.75	.31	.14	.29	.35	.69	.48	.19	.82	.03	.39	.01
10	.75	.48	.19	.27	.17	.85	.60	.01	.68	.01	.37	8.99
11	8.74	9.51	9.23	9.33	12.04	15.01	16.67	15.82	11.49	9.95	9.36	8.99
12	.73	.47	.31	.46	11.88	.15	.74	.61	.28	.91	.35	.97
13	.72	.40	.45	.61	.69	.10	.80	.40	.[illegible]	.88	.33	.95
14	.72	.32	.57	.68	.50	.00	.84	.21	10.[illegible]	.85	.31	.94
15	.71	.23	.74	.65	.31	14.95	.87	.01	.[illegible]	.82	.29	.94
16	8.69	9.16	9.84	9.58	11.16	14.93	16.89	14.84	10.72	9.79	9.28	8.92
17	.68	.11	.87	.49	.02	15.02	.93	.68	.66	.77	.26	.91
18	.67	.05	.86	.48	10.88	.06	17.04	.52	.61	.74	.24	.92
19	.66	.01	.80	.66	.74	.07	.14	.37	.55	.72	.22	.94
20	.65	8.95	.71	.86	.67	.09	.21	.27	.56	.70	.22	.93
21	8.64	8.90	9.63	9.91	10.71	15.09	17.24	14.12	10.45	9.69	9.20	8.93
22	.63	.87	.56	.92	.82	.09	.25	13.96	.43	.67	.17	.94
23	.63	.86	.49	.94	.89	.04	.23	.80	.39	.65	.15	.98
24	.64	.85	.43	.98	.92	.00	.19	.69	.35	.63	.13	9.01
25	.65	.88	.38	.99	11.00	14.98	.13	.59	.31	.61	.11	.00
26	8.65	8.88	9.35	10.00	11.21	14.94	17.07	13.43	10.27	9.59	9.09	8.97
27	.64	.86	.33	.31	.49	.95	16.99	.26	.24	.57	.08	.95
28	.63	.85	.31	11.15	.75	15.15	.93	.10	.21	.55	.06	.94
29	.63	.85	.27	.77	12.22	.74	.86	12.96	.17	.54		.95
30	.61	.86	.23	12.01	.51	16.01	.79	.83	.13	.53		.95
31		.86		.06	.76		.74		.11	.51		.93
Mean	8.68	9.03	9.33	9.75	11.64	14.89	16.76	14.97	11.05	9.81	9.28	8.96
Max.	8.77	9.51	9.87	12.06	12.76	16.01	17.25	16.70	12.73	10.13	9.49	9.05
Min.	8.61	8.60	8.85	9.16	10.67	13.15	16.18	12.83	10.11	9.51	9.06	8.91

WATER YEAR 1920 : Max. 17.24 m. Min. 8.59 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1920 TO MARCH 31, 1921

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	87	70	98	141	776	1,112	2,379	2,680	979	300	188	121
2	85	73	96	136	779	1,411	2,428	2,680	940	294	185	121
3	86	94	98	143	817	1,532	2,434	2,692	901	294	182	121
4	86	125	102	162	856	1,645	2,417	2,692	871	296	178	120
5	85	135	107	170	880	1,729	2,395	2,662	835	300	176	120
6	84	135	112	170	883	1,737	2,428	2,614	802	306	175	119
7	85	132	123	167	889	1,691	2,462	2,548	773	306	175	118
8	86	136	132	162	892	1,636	2,491	2,473	742	298	173	116
9	85	159	134	155	865	1,670	2,548	2,384	712	286	171	116
10	85	187	141	152	811	1,737	2,620	2,285	674	282	168	114
11	84	192	146	162	773	1,806	2,662	2,185	622	270	167	114
12	83	185	159	183	728	1,867	2,704	2,080	570	262	165	111
13	82	173	181	209	676	1,845	2,740	1,980	525	256	162	108
14	82	160	202	221	625	1,802	2,764	1,894	486	251	159	107
15	81	146	231	215	577	1,780	2,782	1,806	458	246	155	107
16	79	136	249	204	540	1,772	2,794	1,733	435	240	154	105
17	78	129	255	188	505	1,811	2,818	1,666	421	237	151	103
18	77	121	253	187	471	1,828	2,886	1,598	409	231	148	105
19	76	116	242	217	439	1,832	2,951	1,540	395	228	145	107
20	75	108	226	253	423	1,841	2,996	1,502	384	224	145	106
21	74	102	212	262	432	1,841	3,016	1,445	373	222	142	106
22	73	98	200	264	458	1,841	3,022	1,386	369	219	138	107
23	73	97	188	268	474	1,819	3,009	1,330	360	215	135	112
24	74	96	178	276	481	1,802	2,983	1,291	351	212	132	116
25	75	100	170	278	500	1,793	2,944	1,257	343	209	129	115
26	75	100	165	280	552	1,776	2,905	1,203	335	205	127	111
27	74	97	162	343	622	1,780	2,854	1,147	328	202	125	108
28	73	96	159	537	692	1,867	2,818	1,096	322	198	123	107
29	73	96	152	698	826	2,145	2,776	1,051	314	197	–	108
30	71	97	146	765	913	2,285	2,734	1,010	306	195	–	108
31		97	–	779	988	–	2,704	–	302	192	–	106
Total	2,386	3,788	5,019	8,347	21,143	53,033	84,464	55,910	16,637	7,673	4,373	3,463
Mean	79.5	122	167	269	682	1,768	2,725	1,864	537	247	156	112
Max.	87	192	255	779	984	2,285	3,022	2,680	979	306	188	121
Min.	71	70	96	136	423	1,112	2,379	1,010	302	192	123	103
Runoff – MCM.	206.150	327.283	433.642	721.181	1,826.755	4,582.051	7,297.690	4,830.624	1,437.437	662.947	377.827	299.203

WATER YEAR 1920 : Max. 3,022 Min. 70 Mean 729 Annual Runoff 23,002.720 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 22	12.00	17.25	3,022				

WATER YEAR 1921
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -
Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

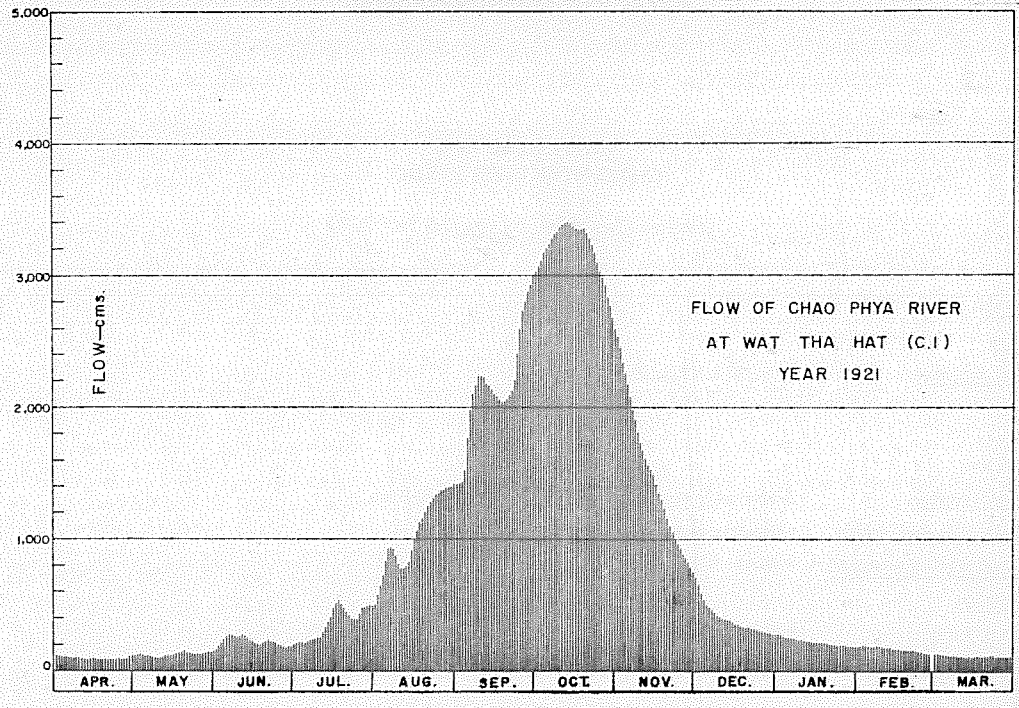
General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.92	8.98	9.31	9.51	11.08	14.05	17.26	16.41	11.77	9.93	9.44	9.08
2	.93	9.02	.43	.61	.29	.06	.33	.25	.57	.91	.45	.08
3	.93	.07	.64	.64	.57	.09	.39	.07	.34	.88	.46	.06
4	.91	.03	.83	.60	.97	.23	.44	15.89	.14	.86	.44	.04
5	.89	8.99	.93	.57	12.34	.82	.48	.71	10.99	.85	.47	.03
6	8.87	8.94	9.95	9.65	12.55	15.42	17.52	15.52	10.86	9.82	9.45	9.01
7	.84	.89	.93	.76	.59	.64	.56	.34	.77	.80	.47	.00
8	.83	.86	.91	.79	.47	.80	.60	.18	.70	.78	.47	8.98
9	.83	.85	.88	.79	.28	.92	.63	14.99	.64	.76	.45	.97
10	.80	.84	.92	.85	.12	.92	.66	.80	.58	.74	.44	.99
11	8.79	8.87	9.99	9.90	12.02	15.89	17.67	14.64	10.54	9.72	9.42	8.95
12	.77	.90	.98	10.00	.03	.81	.69	.49	.49	.70	.41	.95
13	.76	.91	.89	.23	.12	.75	.69	.39	.45	.69	.38	.94
14	.74	.92	.78	.46	.23	.69	.68	.31	.41	.67	.35	.95
15	.73	9.00	.68	.63	.58	.63	.65	.18	.38	.65	.32	.95
16	8.71	9.10	9.61	10.86	12.82	15.58	17.64	13.99	10.35	9.64	9.31	8.96
17	.71	.17	.56	11.07	13.08	.54	.63	.80	.32	.62	.31	.97
18	.70	.16	.57	.12	.19	.52	.64	.61	.29	.60	.31	.96
19	.71	.18	.62	.03	.34	.53	.64	.43	.26	.59	.31	.95
20	.71	.19	.68	10.89	.48	.58	.61	.27	.24	.57	.29	.96
21	8.73	9.17	9.68	10.75	13.57	15.64	17.56	13.11	10.21	9.56	9.26	8.97
22	.74	.13	.66	.64	.66	.73	.51	12.26	.18	.54	.24	.98
23	.74	.11	.63	.56	.73	.92	.43	.82	.16	.54	.23	.97
24	.71	.10	.58	.50	.82	16.26	.35	.69	.13	.52	.20	.95
25	.72	.09	.52	.50	.85	.58	.27	.56	.10	.51	.18	.93
26	8.75	9.05	9.46	10.70	13.90	16.79	17.18	12.43	10.07	9.50	9.16	8.92
27	.77	.05	.41	.88	.94	.93	.07	.30	.05	.49	.13	.91
28	.81	.10	.42	.95	.98	15.05	16.95	.18	.02	.48	.11	.90
29	.89	.16	.44	.93	14.00	.12	.82	.06	.01	.47	-	.92
30	.96	.19	.47	.95	13.99	.19	.69	11.92	9.98	.46	-	.95
31	-	.23	-	.97	14.02	-	.55	-	.95	.44	-	.96
Mean	8.79	9.04	9.68	10.36	12.89	15.52	17.41	14.02	10.48	9.65	9.34	8.94
Max.	8.96	9.29	9.99	11.12	14.02	17.19	17.69	16.41	11.77	9.93	9.47	9.09
Min.	8.70	8.84	9.31	9.51	11.08	14.05	16.55	11.92	9.95	9.44	9.11	8.90

WATER YEAR 1921 : Max. 17.69 m. Min. 8.70 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	105	112	159	192	520	1,418	3,029	2,508	698	266	180	127
2	106	118	176	209	572	1,422	3,079	2,417	644	262	181	125
3	106	124	214	214	644	1,433	3,127	2,318	585	256	183	123
4	103	119	247	207	754	1,486	3,169	2,222	535	253	180	120
5	101	114	266	202	862	1,725	3,203	2,130	498	251	185	119
6	98	107	270	215	925	1,989	3,238	2,035	467	246	181	116
7	95	101	266	235	937	2,095	3,274	1,953	446	242	185	115
8	94	97	262	240	901	2,175	3,310	1,881	430	238	185	112
9	94	96	256	240	844	2,238	3,338	1,798	416	235	181	111
10	90	95	264	251	796	2,238	3,367	1,716	402	231	180	114
11	89	98	278	260	768	2,222	3,376	1,649	393	228	176	108
12	87	102	276	280	770	2,180	3,395	1,586	382	224	175	108
13	86	103	258	326	794	2,150	3,395	1,547	373	222	170	107
14	84	105	238	375	829	2,120	3,386	1,517	364	219	165	108
15	83	115	221	414	934	2,090	3,357	1,467	358	215	160	108
16	81	128	209	467	1,006	2,065	3,348	1,396	351	214	159	110
17	81	138	200	517	1,090	2,045	3,338	1,330	345	210	159	111
18	80	136	202	530	1,125	2,035	3,348	1,263	339	207	159	110
19	81	139	210	507	1,173	2,040	3,348	1,203	333	205	159	108
20	81	141	221	474	1,219	2,065	3,319	1,150	328	202	155	110
21	83	138	221	441	1,250	2,095	3,274	1,099	322	200	151	111
22	84	132	217	416	1,281	2,140	3,229	1,051	316	197	148	112
23	84	129	212	398	1,305	2,239	3,160	1,006	312	197	146	111
24	81	128	204	384	1,337	2,423	3,095	967	306	193	142	108
25	82	127	193	384	1,347	2,608	3,035	928	300	192	139	106
26	85	121	183	430	1,365	2,734	2,977	889	294	190	136	105
27	87	121	175	471	1,379	2,818	2,905	850	290	188	132	103
28	91	128	176	488	1,393	2,892	2,830	814	284	187	129	102
29	101	136	180	483	1,400	2,938	2,752	779	280	185	–	105
30	110	141	185	488	1,396	2,983	2,674	740	276	183	–	108
31	–	146	–	493	1,407	–	2,590	–	270	180	–	110
Total	2,713	3,735	6,641	11,231	32,325	65,100	98,265	44,209	11,937	6,718	4,581	3,451
Mean	90.4	120	221	362	1,043	2,170	3,170	1,474	385	217	144	111
Max.	110	146	278	530	1,407	2,983	3,395	2,508	698	266	185	127
Min.	80	95	159	192	520	1,418	2,590	740	270	180	129	102
Runoff - mcm.	234.403	322.704	573.782	970.358	2,792.880	5,624.640	8,490.096	3,819.658	1,031.357	580.435	395.798	298.166

WATER YEAR 1921 : Max. 3,395 Min. 80 Mean 797 Annual Runoff25,134.278 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 13	06.00	17.69	3,395				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1922
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

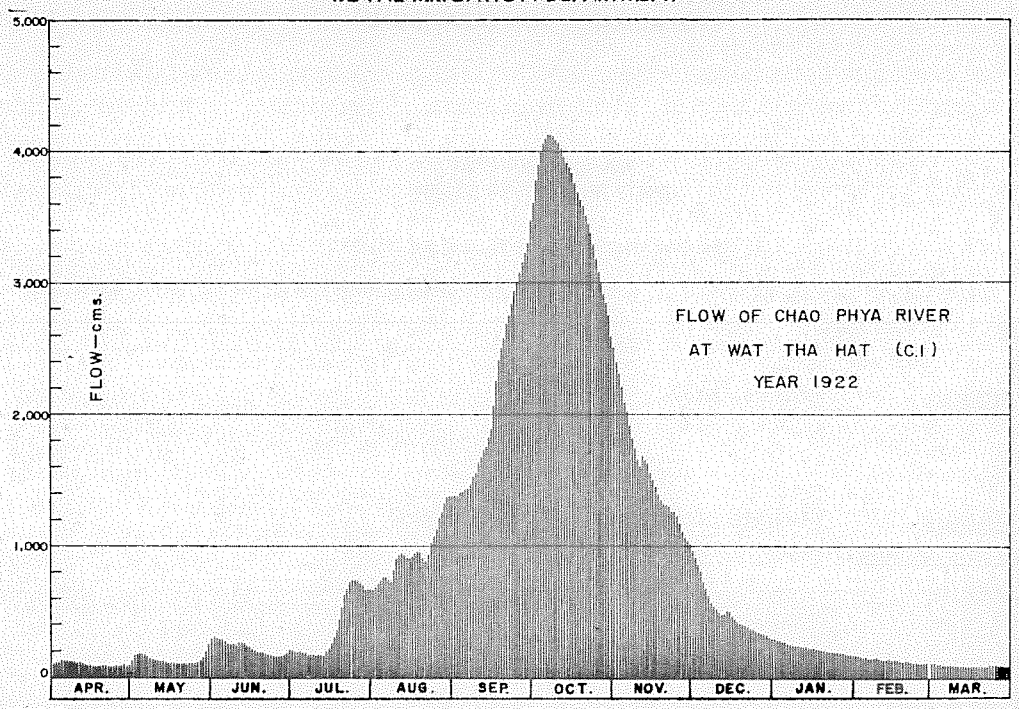
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.95	9.15	10.14	9.56	11.64	13.93	17.89	16.30	12.66	10.05	9.35	8.91
2	.97	.41	.12	.54	.74	.94	18.03	.13	.49	.02	.32	.89
3	9.01	.41	.05	.53	.87	14.00	.13	15.93	.29	9.98	.30	.88
4	.04	.46	.01	.53	.98	.05	.20	.74	.08	.95	.28	.86
5	.06	.42	9.97	.52	12.00	.08	.25	.54	11.84	.92	.26	.84
6	9.07	9.37	9.90	9.45	11.94	14.10	18.28	15.38	11.61	9.89	9.25	8.85
7	.04	.31	.89	.41	.86	.18	.30	.17	.42	.87	.24	.83
8	.01	.23	.88	.40	.87	.30	.30	14.95	.24	.84	.22	.82
9	8.97	.18	.87	.38	12.23	.40	.29	.74	.12	.82	.21	.80
10	.94	.13	.89	.35	.52	.53	.27	.59	.01	.80	.20	.79
11	8.91	9.09	9.91	9.35	12.60	14.71	18.25	14.52	10.93	9.78	9.18	8.79
12	.88	.07	.90	.37	.61	.81	.21	.69	.89	.76	.17	.79
13	.86	.07	.83	.42	.56	.87	.18	.63	.94	.74	.16	.78
14	.83	.02	.76	.52	.48	15.03	.13	.57	11.02	.72	.15	.76
15	.81	8.98	.70	.72	.47	.23	.11	.35	10.95	.70	.13	.76
16	8.79	8.96	9.62	9.93	12.56	15.60	18.07	14.20	10.83	9.68	9.12	8.75
17	.77	.97	.59	10.10	.63	16.01	.01	.01	.73	.65	.11	.75
18	.76	.96	.52	.43	.65	.28	17.97	13.89	.65	.63	.09	.77
19	.74	.94	.50	.88	.60	.43	.92	.78	.59	.61	.07	.79
20	.74	.93	.47	11.31	.47	.57	.87	.74	.54	.59	.05	.78
21	8.74	8.93	9.42	11.50	12.37	16.75	17.80	13.72	10.49	9.56	9.03	8.78
22	.74	.92	.38	.77	.54	.87	.73	.65	.44	.54	.02	.79
23	.74	.91	.34	.88	.80	17.00	.64	.60	.40	.53	.00	.82
24	.74	.91	.30	.92	13.00	.13	.55	.59	.36	.51	8.99	.84
25	.76	.94	.30	.94	.16	.24	.44	.48	.32	.50	.97	.84
26	8.78	8.98	9.31	11.90	13.43	17.33	17.32	13.30	10.27	9.47	8.96	8.83
27	.82	9.07	.34	.82	.61	.42	.19	.09	.23	.45	.94	.82
28	.88	.20	.37	.71	.79	.51	.05	12.92	.19	.43	.93	.81
29	.93	.44	.49	.65	.91	.61	16.91	.90	.15	.41		.79
30	.98	.74	.58	.67	.93	.74	.75	.82	.11	.39		.80
31		10.01		.65	.93		.52		.08	.37		.80
Mean	8.87	9.16	9.68	10.42	12.64	15.65	17.82	14.33	11.41	9.68	9.13	8.81
Max.	9.07	10.01	10.14	11.94	13.93	17.74	18.30	16.30	12.66	10.05	9.35	8.91
Min.	8.74	8.91	9.30	9.35	11.64	13.93	16.52	12.82	10.08	9.37	8.93	8.75

WATER YEAR 1922 : Max. 18.30 m. Min. 8.74 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	108	135	308	200	663	1,375	3,590	2,445	958	290	165	103
2	111	175	304	197	690	1,379	3,759	2,351	907	284	160	101
3	116	175	290	195	726	1,400	3,889	2,243	847	276	157	100
4	120	183	282	195	756	1,418	3,980	2,145	787	270	154	97
5	123	176	274	193	762	1,430	4,050	2,045	717	264	151	95
6	124	168	260	181	745	1,437	4,092	1,971	655	258	149	96
7	120	159	258	175	723	1,467	4,120	1,876	605	255	148	94
8	116	146	256	173	726	1,513	4,120	1,780	560	249	145	92
9	111	139	255	170	829	1,551	4,106	1,690	530	246	143	90
10	107	132	258	165	916	1,603	4,078	1,628	502	242	142	89
11	103	127	262	165	940	1,678	4,050	1,598	483	238	139	89
12	100	124	260	168	943	1,720	3,994	1,670	474	235	138	89
13	97	124	247	176	928	1,746	3,954	1,645	486	231	136	88
14	94	118	235	193	904	1,815	3,889	1,619	505	228	135	86
15	91	112	224	228	901	1,903	3,863	1,532	488	224	132	86
16	89	110	210	266	928	2,075	3,811	1,475	460	221	131	85
17	87	111	205	300	949	2,285	3,733	1,437	437	215	129	85
18	86	110	193	369	955	2,434	3,684	1,361	418	212	127	87
19	84	107	190	471	940	2,519	3,624	1,323	405	209	124	89
20	84	106	185	577	901	2,602	3,570	1,309	393	205	121	88
21	84	106	176	625	871	2,710	3,500	1,302	382	200	119	88
22	84	105	170	698	922	2,782	3,433	1,277	371	197	118	89
23	84	103	163	728	1,000	2,860	3,348	1,260	362	195	115	92
24	84	103	157	740	1,064	2,944	3,265	1,257	354	192	114	95
25	86	107	157	745	1,115	3,016	3,169	1,219	345	190	111	95
26	88	112	159	734	1,203	3,079	3,071	1,160	335	185	110	94
27	92	124	163	712	1,263	3,152	2,983	1,092	326	181	107	92
28	100	142	168	682	1,326	3,229	2,892	1,038	318	178	105	91
29	106	180	188	665	1,368	3,319	2,806	1,032	310	175		89
30	112	231	204	671	1,375	3,443	2,710	1,006	302	171		90
31		282		665	1,375		2,572		296	168		90
Total	2,991	4,332	6,661	12,422	29,707	65,884	111,705	46,788	15,315	6,884	3,726	2,834
Mean	99.7	140	222	401	958	2,196	3,603	1,560	494	222	133	91.4
Max.	124	282	308	745	1,375	3,443	4,120	2,445	958	290	165	103
Min.	84	103	157	165	663	1,375	2,572	1,006	296	168	105	85
Runoff - mcm.	258.422	374.285	575.510	1,073.261	2,566.685	5,692.378	9,651.312	4,042.483	1,323.216	594.778	321.926	244.258

WATER YEAR 1922 : Max. 4,120 Min. 84 Mean 847 Annual Runoff 26,719.114 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 7	06.00	18.30	4,150				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1923
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 3-time daily readings at 06.00, 12.00 and 18.00 hours.

Basis of Mean Daily Gage Height: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

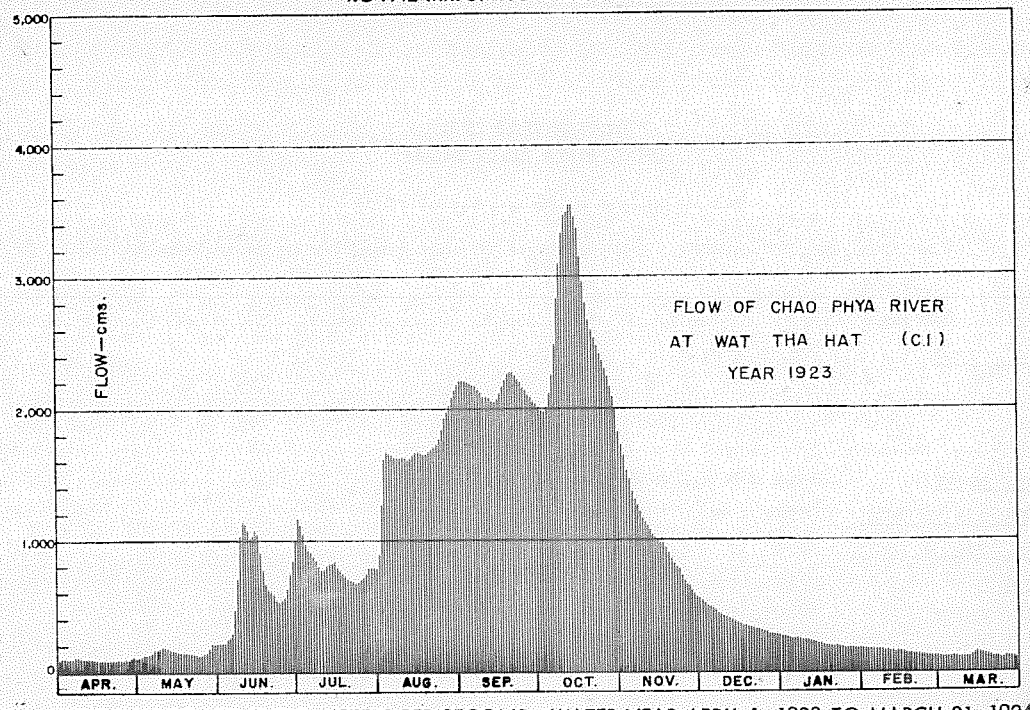
General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.82	8.94	9.64	13.33	12.48	15.87	15.45	14.81	11.17	9.93	9.37	8.95
2	.84	9.01	.58	.19	13.67	.87	.38	.59	.11	.90	.37	.94
3	.85	.12	.64	12.94	14.55	.85	.38	.36	.05	.89	.36	.94
4	.84	.11	.83	.71	.68	.83	.48	.14	10.99	.86	.36	.92
5	.84	.13	.93	.55	.65	.81	.74	13.94	.92	.84	.37	.91
6	8.85	9.24	10.13	12.49	14.61	15.79	16.03	13.76	10.85	9.82	9.37	8.89
7	.88	.35	11.01	.38	.56	.77	.41	.60	.80	.80	.35	.89
8	.91	.40	12.03	.26	.55	.72	17.00	.45	.74	.79	.35	.89
9	.88	.43	.92	.13	.57	.66	.36	.30	.69	.77	.30	.89
10	.86	.45	13.22	.04	.61	.61	.59	.19	.64	.75	.33	.90
11	8.85	9.44	13.14	12.06	14.57	15.61	17.75	13.10	10.59	9.72	9.31	8.91
12	.83	.38	12.97	.14	.54	.57	.79	.01	.55	.73	.29	.95
13	.83	.34	.84	.20	.58	.55	.83	12.91	.51	.67	.27	9.04
14	.82	.31	.95	.21	.64	.54	.83	.83	.46	.64	.23	.13
15	.81	.28	13.04	.24	.67	.58	.74	.77	.42	.60	.23	.20
16	8.78	9.24	12.68	12.12	14.67	15.67	17.59	12.72	10.39	9.57	9.21	9.17
17	.75	.21	.25	.01	.66	.80	.28	.64	.35	.54	.18	.13
18	.76	.20	11.89	11.93	.63	.88	.01	.54	.32	.52	.15	.07
19	.76	.20	.61	.87	.65	.96	16.77	.42	.28	.50	.13	.00
20	.75	.18	.48	.82	.69	.99	.65	.31	.25	.48	.11	8.97
21	8.74	9.17	11.42	11.76	14.73	15.97	16.55	12.20	10.22	9.46	9.09	8.95
22	.76	.12	.32	.73	.77	.93	.45	.11	.19	.45	.06	.92
23	.80	.08	.17	.69	.82	.87	.35	.06	.15	.43	.04	.89
24	.80	.05	.11	.71	.92	.84	.24	11.88	.13	.41	.02	.87
25	.83	.09	.18	.77	15.08	.74	.16	.76	.10	.40	.00	.85
26	8.84	9.16	11.31	11.84	15.30	15.69	16.03	11.62	10.07	9.38	8.99	8.90
27	.86	.29	.53	.96	.40	.62	15.91	.53	.04	.38	.98	.88
28	.93	.46	.90	12.08	.50	.57	.76	.41	.02	.41	.97	.88
29	.97	.58	12.33	.11	.65	.53	.57	.32	.00	.39	.96	.88
30	.85	.58	.85	.10	.73	.50	.33	.23	9.97	.37		.87
31		.62		.12	.79		.07		.95	.36		.85
Mean	8.83	9.26	11.63	12.18	14.74	15.74	16.50	12.78	10.45	9.58	9.20	8.95
Max.	8.97	9.62	13.22	13.33	15.79	15.99	17.83	14.81	11.17	9.93	9.37	9.20
Min.	8.74	8.94	9.58	11.69	12.48	15.50	15.07	11.23	9.95	9.36	8.96	8.85

WATER YEAR 1923 : Max. 17.83 m. Min. 8.74 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	92	107	214	1,170	904	2,211	2,002	1,720	542	266	168	108
2	95	116	204	1,125	1,284	2,211	1,971	1,628	527	260	168	107
3	96	131	214	1,045	1,611	2,201	1,971	1,536	512	258	167	107
4	95	129	247	973	1,666	2,191	2,016	1,452	498	253	167	105
5	95	132	266	925	1,653	2,180	2,145	1,379	481	249	168	103
6	96	148	306	907	1,636	2,170	2,296	1,316	464	246	168	101
7	100	165	502	874	1,615	2,160	2,508	1,260	453	242	165	101
8	103	173	770	838	1,611	2,135	2,860	1,209	439	240	165	101
9	100	178	1,038	799	1,619	2,105	3,103	1,160	427	236	157	101
10	97	181	1,134	773	1,636	2,080	3,301	1,125	416	233	162	102
11	96	180	1,109	779	1,619	2,080	3,452	1,096	405	228	159	103
12	94	170	1,054	802	1,607	2,060	3,490	1,067	395	229	155	108
13	94	163	1,012	820	1,624	2,050	3,530	1,035	386	219	152	120
14	92	159	1,048	823	1,649	2,045	3,530	1,010	375	214	146	132
15	91	154	1,077	832	1,661	2,065	3,443	991	366	207	146	142
16	88	148	964	796	1,661	2,110	3,301	976	360	202	143	138
17	85	143	835	765	1,657	2,175	3,042	952	351	197	139	132
18	86	142	731	742	1,645	2,216	2,866	922	342	193	135	124
19	86	142	655	726	1,653	2,259	2,722	886	337	190	132	115
20	85	139	620	712	1,670	2,275	2,650	853	330	187	129	111
21	84	138	605	695	1,687	2,264	2,590	820	324	183	127	108
22	86	131	580	687	1,703	2,243	2,531	793	318	181	123	105
23	90	125	542	676	1,725	2,211	2,473	779	310	178	120	101
24	90	121	527	682	1,768	2,196	2,412	728	306	174	118	98
25	94	127	545	698	1,836	2,145	2,368	695	300	173	115	96
26	95	136	577	717	1,935	1,120	2,296	657	294	170	114	102
27	97	155	633	751	1,980	2,085	2,232	633	288	170	112	100
28	106	183	734	784	2,025	2,060	2,155	602	284	175	111	100
29	111	204	859	793	2,100	2,040	2,060	580	280	171	110	100
30	95	204	1,016	790	2,140	2,025	1,948	557	274	168		98
31		210		796	2,170		1,832		270	167		96
Total	2,814	4,734	20,619	25,295	52,750	64,369	81,096	30,417	11,655	6,461	4,141	3,365
Mean	93.8	153	687	816	1,702	2,146	2,616	1,014	376	208	143	108
Max.	111	210	1,134	1,170	2,170	2,275	3,530	1,720	542	266	168	142
Min.	84	107	204	682	904	2,025	1,832	557	270	167	110	96
Runoff - mcm.	243.130	409.018	1,781.482	2,185.488	4,557.600	5,561.482	7,006.694	2,628.029	1,006.992	558.230	357.782	290.736

WATER YEAR 1923 : Max. 3,530 Min. 84 Mean 841 Annual Runoff 26,586.662 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 13	18.00	17.84	3,540				

WATER YEAR 1924
CHAO PHYA RIVER BASIN

Chao Phya River at wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

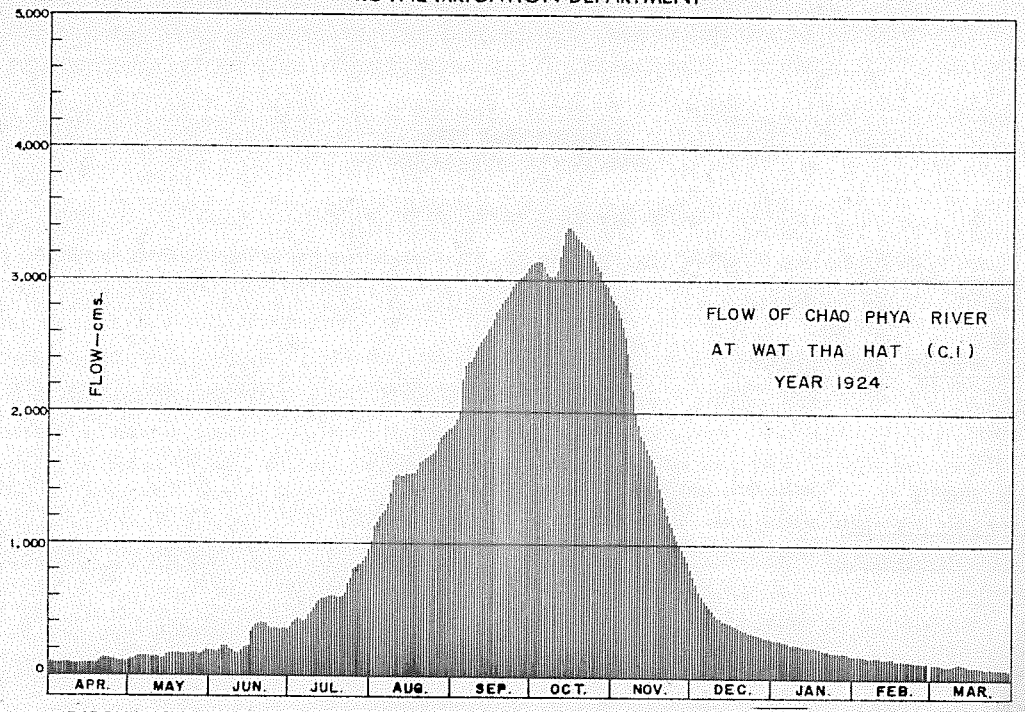
Overbank Flow Conditions: No overbank flow.

General Description: Records fairs. Stage-discharge relation used is defined by mean rating curve for period 1905-13. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.84	9.00	9.48	10.41	12.92	15.24	17.39	16.93	11.94	10.03	9.38	8.97
2	.82	.05	.45	.58	13.25	.31	.40	.86	.73	.01	.36	.95
3	.80	.15	.48	.69	.35	.46	.40	.74	.57	9.99	.35	.94
4	.77	.21	.60	.72	.46	.89	.39	.63	.42	.96	.32	.93
5	.76	.27	.70	.63	.53	16.14	.35	.49	.29	.94	.31	.92
6	8.78	9.26	9.71	10.62	13.60	16.17	17.29	16.27	11.22	9.91	9.30	8.90
7	.78	.25	.66	.71	.72	.18	.25	.02	.11	.89	.29	.89
8	.78	.24	.56	.85	.99	.24	.24	15.74	.02	.86	.29	.89
9	.76	.24	.46	.93	14.23	.36	.27	.47	10.87	.84	.27	.94
10	.76	.21	.40	11.13	.31	.38	.33	.21	.81	.80	.26	.97
11	8.79	9.16	9.42	11.21	14.33	16.44	17.44	15.01	10.77	9.79	9.25	8.98
12	.82	.12	.49	.28	.31	.50	.56	14.98	.72	.77	.24	.96
13	.83	.14	.59	.33	.31	.56	.64	.84	.67	.75	.22	.93
14	.82	.26	.68	.26	.32	.62	.69	.72	.62	.72	.21	.89
15	.81	.35	.68	.38	.30	.66	.69	.66	.58	.70	.19	.87
16	8.80	9.37	10.32	11.40	14.32	16.72	17.67	14.53	10.54	9.69	9.14	8.85
17	.80	.34	.44	.42	.36	.84	.63	.31	.50	.68	.15	.84
18	.85	.33	.52	.40	.44	.86	.60	.08	.46	.65	.14	.84
19	9.02	.37	.56	.37	.55	.92	.57	13.88	.42	.63	.12	.82
20	.14	.37	.58	.36	.57	.94	.54	.67	.38	.61	.09	.81
21	9.16	9.32	10.55	11.40	14.62	17.00	17.52	13.47	10.35	9.58	9.07	8.80
22	.14	.31	.49	.52	.65	.06	.50	.28	.31	.55	.06	.79
23	.10	.35	.43	75	.68	.12	.46	.23	.28	.53	.04	.78
24	.05	.34	.39	.95	.72	.17	.42	12.94	.25	.53	.04	.76
25	.01	.41	.40	12.16	.80	.20	.36	.81	.22	.52	.03	.75
26	8.95	9.35	10.40	12.22	14.92	17.22	17.31	12.76	10.19	9.50	9.01	8.75
27	.92	.33	.36	.28	15.01	.25	.23	.65	.16	.47	.00	.73
28	.91	.39	.37	.33	.05	.28	.17	.47	.13	.45	8.99	.72
29	.91	.49	.35	.40	.09	.23	.13	.34	.11	.43		.71
30	.94	.52	.33	.53	.14	.36	.06	.16	.08	.42		.70
31		.50		.71	.16		16.98		.05	.41		.68
Mean	8.89	9.29	9.99	11.42	14.32	16.61	17.40	14.50	10.67	9.70	9.18	8.85
Max.	9.16	9.52	10.58	12.71	15.16	17.36	17.69	16.93	11.94	10.03	9.38	8.98
Min.	8.76	9.00	9.40	10.41	12.92	15.24	16.98	12.16	10.05	9.41	8.99	8.68

WATER YEAR 1924 : Max. 17.69. m. Min. 8.68 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	95	115	187	364	1,038	1,908	3,127	2,818	745	286	170	109
2	92	121	181	402	1,144	1,939	3,135	2,776	687	282	167	104
3	90	135	187	428	1,176	2,007	3,135	2,704	644	278	165	102
4	87	143	207	435	1,213	2,222	3,127	2,638	605	272	160	102
5	86	152	224	414	1,236	2,357	3,095	2,554	572	268	159	98
6	88	151	226	412	1,260	2,373	3,048	2,428	555	262	157	94
7	88	149	217	435	1,302	2,379	3,022	2,291	527	258	155	92
8	88	148	200	464	1,396	2,412	3,016	2,145	505	252	155	92
9	86	148	183	483	1,486	2,479	3,035	2,011	469	249	152	102
10	86	143	173	532	1,517	2,491	3,079	1,894	455	242	151	109
11	89	136	176	552	1,524	2,525	3,169	1,806	446	240	149	111
12	92	131	188	570	1,517	2,560	3,274	1,793	435	236	148	107
13	94	134	205	582	1,517	2,596	3,348	1,733	423	233	145	100
14	92	151	221	590	1,521	2,632	3,395	1,682	412	228	143	92
15	91	165	221	595	1,513	2,656	3,395	1,657	402	224	141	89
16	90	168	345	600	1,521	2,692	3,376	1,603	393	222	134	85
17	90	163	371	605	1,536	2,764	3,338	1,517	384	221	135	84
18	96	161	389	600	1,567	2,776	3,310	1,430	375	215	134	84
19	118	168	398	592	1,611	2,812	3,283	1,358	366	212	131	80
20	134	168	402	590	1,619	2,824	3,256	1,284	358	209	127	79
21	136	160	395	600	1,640	2,860	3,238	1,216	351	204	124	77
22	134	158	382	630	1,653	2,899	3,220	1,154	343	198	123	75
23	128	165	369	692	1,666	2,938	3,186	1,138	337	195	120	74
24	121	163	360	748	1,682	2,970	3,152	1,045	330	195	120	71
25	116	175	362	808	1,716	2,990	3,103	1,003	324	193	119	69
26	108	165	362	826	1,768	3,003	3,063	988	318	190	116	69
27	104	161	354	844	1,806	3,022	3,009	955	312	185	115	60
28	103	171	355	859	1,823	3,042	2,970	901	306	181	113	65
29	103	188	351	880	1,841	3,079	2,944	862	302	178		63
30	107	193	347	919	1,863	3,103	2,899	808	296	176		62
31		190		973	1,872		2,848		290	175		60
Total	3,033	4,842	8,539	19,024	47,544	79,310	97,595	50,192	13,267	6,961	3,928	2,664
Mean	101	156	285	614	1,534	2,644	3,148	1,673	428	224	140	85.9
Max.	136	193	402	973	1,872	3,103	3,395	2,818	745	286	170	111
Min.	86	115	173	364	1,038	1,908	2,848	808	290	175	113	60
Runoff - mcm.	262.051	418.349	737.770	1,643.674	4,107.802	6,852.384	8,432.208	4,336.070	1,146.269	601.430	339.379	230.170

WATER YEAR 1924 : Max. 3,395 Min. 60 Mean 923 Annual Runoff 29,108.074 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 14	12.00	17.70	3,405				

WATER YEAR 1925
CHAO PHYA RIVER BASIN

Chao Phya River at wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

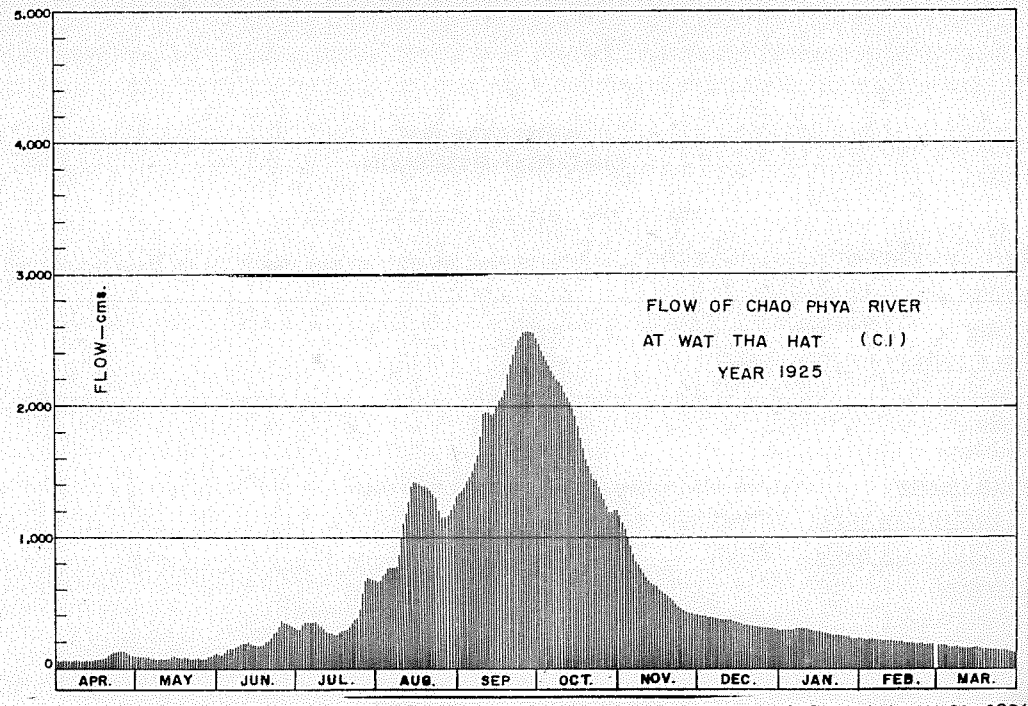
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.67	9.02	9.06	10.28	11.80	13.93	16.43	13.41	10.80	10.27	9.93	9.70
2	.67	8.99	.04	.53	.90	.99	.34	.22	.78	.26	.93	.68
3	.66	.97	.16	.46	12.01	14.11	.24	.03	.76	.26	.88	.65
4	.65	.95	.34	.56	.09	.23	.17	12.85	.75	.27	.91	.63
5	.63	.92	.40	.56	.20	.29	.09	.69	.73	.29	.91	.60
6	2.64	8.88	9.39	10.55	12.24	14.43	16.02	12.54	10.72	10.31	9.90	9.58
7	.63	.84	.49	.56	.21	.57	15.96	.34	.72	.32	.89	.56
8	.64	.83	.56	.37	.27	.77	.91	.28	.71	.33	.88	.57
9	.65	.80	.63	.51	.61	15.11	.86	.17	.69	.32	.86	.53
10	.65	.81	.71	.40	13.07	.36	.79	.03	.67	.31	.85	.51
11	8.67	8.82	9.73	10.29	13.48	15.42	15.71	11.88	10.65	10.30	9.85	9.50
12	.65	.83	.71	.20	.73	.40	.63	.82	.63	.29	.84	.50
13	.66	.88	.65	.16	.95	.36	.53	.77	.62	.27	.82	.50
14	.68	.92	.63	.12	14.12	.40	.43	.71	.60	.25	.81	.52
15	.71	.93	.59	.07	.13	.52	.29	.65	.57	.22	.79	.53
16	8.76	8.90	9.56	10.09	14.12	15.61	15.12	11.59	10.55	10.22	9.78	9.52
17	.78	.87	.60	.17	.07	.66	14.93	.53	.51	.20	.76	.50
18	.85	.85	.61	.24	.07	.75	.76	.46	.48	.18	.75	.49
19	.94	.83	.71	.24	.07	.95	.57	.39	.46	.15	.74	.48
20	9.04	.81	.87	.26	.01	16.11	.42	.31	.43	.13	.73	.46
21	9.13	8.81	10.03	10.39	13.95	16.26	14.29	11.23	10.41	10.11	9.73*	9.45
22	.20	.81	.13	.51	.85	.38	.21	.15	.41	.10	.72	.45
23	.26	.81	.27	.67	.71	.46	.15	.08	.40	.09	.71	.44
24	.27	.83	.44	.76	.56	.51	.03	.02	.40	.07	.70	.43
25	.26	.79	.60	.93	.44	.57	13.91	10.96	.39	.04	.69	.41
26	9.23	8.79	10.54	11.48	13.39	16.59	13.76	10.93	10.37	10.02	9.69	9.39
27	.20	.83	.52	.84	.40	.60	.62	.89	.36	.00	.72	.36
28	.18	.95	.46	.94	.49	.60	.52	.86	.33	9.99	.71	.34
29	.06	9.02	.40	.90	.58	.57	.55	.84	.35	.98		.32
30	.05	.07	.34	.84	.70	.51	.59	.82	.31	.97		.30
31		.08		.87	.86		.57		.29	.95		.30
Mean	8.87	8.88	9.81	10.67	13.29	15.53	14.98	11.74	10.54	10.18	9.78	9.49
Max.	9.27	9.08	10.60	11.94	14.13	16.60	16.43	13.41	10.80	10.33	9.93	9.70
Min.	8.63	8.79	9.04	10.07	11.80	13.93	13.52	10.82	10.29	9.95	9.69	9.30

WATER YEAR 1925 : Max. 16.60 m. Min. 8.63 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	58	94	99	294	652	1,331	2,463	1,147	403	292	228	189
2	58	91	97	304	680	1,353	2,415	1,084	399	290	228	186
3	57	88	111	330	711	1,399	2,361	1,021	394	290	220	181
4	56	86	135	351	734	1,445	2,324	963	392	292	225	178
5	54	82	143	351	766	1,468	2,282	913	388	296	225	173
6	55	78	142	348	778	1,523	2,245	867	385	300	223	170
7	54	73	156	351	769	1,579	2,214	807	385	302	221	167
8	55	72	167	353	786	1,662	2,188	789	383	304	220	168
9	56	69	178	340	883	1,809	2,163	757	379	302	216	162
10	56	70	191	318	1,034	1,922	2,127	717	374	300	214	159
11	56	71	194	296	1,171	1,949	2,087	674	370	298	214	158
12	54	72	191	278	1,258	1,940	2,048	658	366	296	213	158
13	55	78	181	270	1,338	1,922	2,000	644	363	292	209	158
14	57	82	178	263	1,403	1,940	1,954	627	359	288	208	161
15	60	84	171	253	1,406	1,996	1,890	610	353	282	204	162
16	65	80	167	257	1,403	2,039	1,814	594	348	282	203	161
17	67	77	173	272	1,384	2,063	1,731	579	340	278	199	158
18	74	75	175	286	1,384	2,107	1,658	561	334	274	197	156
19	85	73	191	286	1,384	2,209	1,579	543	330	268	196	155
20	97	70	218	290	1,361	2,292	1,519	523	324	265	194	152
21	108	70	246	316	1,338	2,372	1,468	503	320	261	194	150
22	116	70	265	340	1,301	2,436	1,437	484	320	259	192	150
23	124	70	292	374	1,251	2,480	1,414	467	318	257	191	149
24	125	72	326	394	1,198	2,508	1,368	454	318	258	189	147
25	124	68	359	433	1,158	2,541	1,324	440	316	248	187	144
26	120	68	346	566	1,141	2,552	1,249	433	312	244	187	142
27	116	72	342	663	1,144	2,558	1,219	424	310	240	192	137
28	114	86	330	691	1,175	2,558	1,185	417	304	238	191	135
29	99	94	318	680	1,205	2,541	1,195	412	308	237		132
30	98	100	306	663	1,247	2,508	1,209	408	300	235		129
31		102		673	1,305		1,202		296	231		129
Total	2,373	2,435	6,388	11,883	34,753	61,002	55,352	19,520	10,791	8,494	5,780	4,856
Mean	79.1	78.5	213	383	1,121	2,033	1,785	651	348	274	206	157
Max.	125	102	359	691	1,406	2,558	2,463	1,147	403	304	228	189
Min.	54	68	97	253	652	1,331	1,185	408	296	231	187	129
Runoff - RCM.	205.027	210.384	551.923	1,026.691	3,002.659	5,270.573	4,782.413	1,686.528	932.342	733.882	499.392	419.558

WATER YEAR 1925 : Max. 2,558 Min. 54 Mean 613 Annual Runoff 19,321.373 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept. 28	06.00	16.61	2,558				

WATER YEAR 1926
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1905–1959

Rating Operation:

Period of Rating: 1905–13, 1947–55

Rated by Float: 1905–13

Rated by Current Meter: 1947–55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

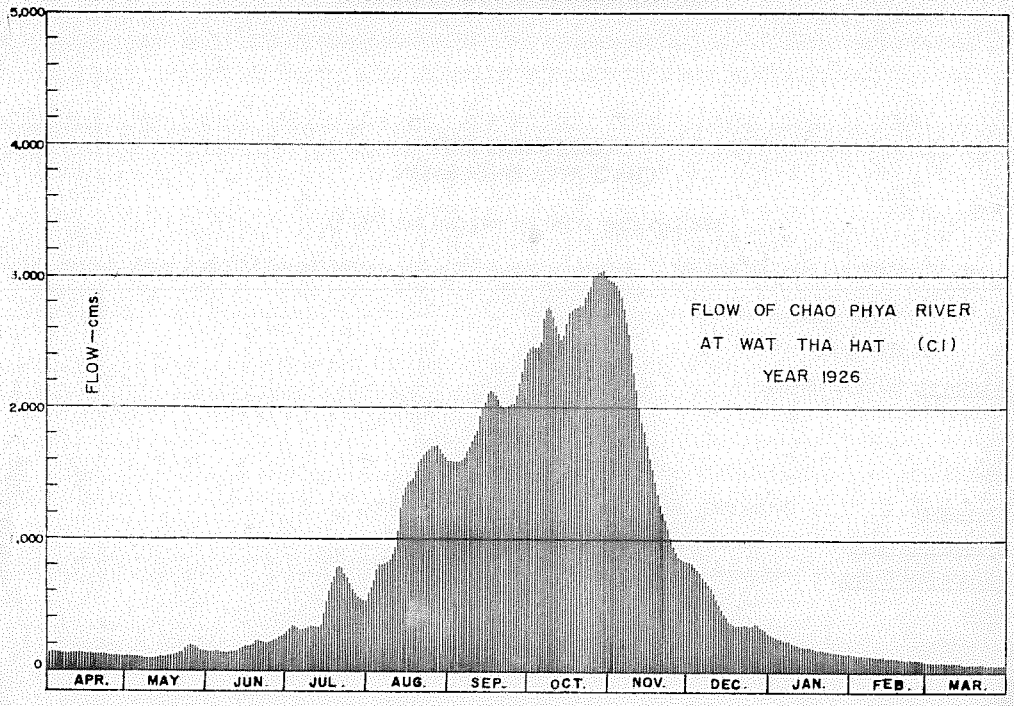
General Description: Records fair. Stage discharge relation used is defined by mean rating curve of mean rating curves for period 1905–13 and period 1947–55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.30	9.10	9.41	10.34	11.55	14.61	16.42	17.27	12.39	10.21	9.32	8.89
2	.33	.10	.42	.45	.73	.61	.43	.26	.33	.15	.30	.86
3	.35	.08	.39	.49	.93	.61	.42	.24	.26	.09	.28	.84
4	.35	.07	.39	.48	12.20	.59	.41	.17	.20	.04	.26	.83
5	.33	.07	.39	.41	.33	.61	.46	.06	.12	.00	.25	.82
6	9.31	9.07	9.37	10.34	12.36	14.68	16.77	16.90	12.03	9.96	9.24	8.81
7	.29	.06	.35	.33	.35	.78	.90	.73	11.94	.92	.23	.80
8	.27	.05	.36	.42	.39	.90	.95	.51	.82	.88	.24	.78
9	.27	.03	.38	.51	.50	.99	.91	.24	.73	.84	.22	.77
10	.29	.03	.41	.55	.64	15.05	.81	15.97	.59	.81	.21	.76
11	9.33	9.05	9.43	10.51	12.83	15.17	16.69	15.70	11.43	9.78	9.19	8.74
12	.36	.04	.41	.45	13.23	.42	.57	.44	.27	.76	.17	.73
13	.36	.06	.60	.47	.70	.52	.48	.24	.10	.73	.17	.72
14	.31	.08	.64	.56	.99	.59	.64	.08	10.93	.70	.15	.71
15	.28	.10	.67	11.04	14.13	.74	.75	14.86	.79	.68	.14	.69
16	9.26	9.13	9.71	11.44	14.21	15.81	16.88	14.63	10.69	9.66	9.12	8.68
17	.25	.18	.74	.67	.26	.77	.90	.39	.61	.62	.10	.67
18	.24	.18	.82	.91	.33	.70	.92	.15	.55	.59	.08	.65
19	.26	.24	.94	12.09	.47	.63	.95	13.91	.53	.57	.06	.64
20	.28	.31	.97	.27	.60	.54	.97	.71	.55	.55	.04	.63
21	9.26	9.34	9.91	12.30	14.67	15.53	17.01	13.51	10.56	9.54	9.02	8.61
22	.24	.39	.84	.20	.75	.52	.07	.34	.59	.51	.01	.60
23	.21	.59	.82	.08	.81	.54	.14	.15	.56	.49	8.99	.59
24	.18	.70	.84	11.92	.83	.57	.21	12.89	.52	.46	.96	.58
25	.16	.74	.89	.78	.86	.59	.30	.75	.59	.43	.95	.57
26	9.15	9.72	9.99	11.65	14.87	15.69	17.36	12.63	10.61	9.41	8.94	8.55
27	.14	.65	10.06	.54	.86	.91	.38	.53	.57	.40	.93	.60
28	.13	.57	.11	.45	.80	16.09	.38	.47	.50	.38	.91	.60
29	.12	.50	.14	.39	.73	.24	.37	.45	.42	.36	-	.58
30	.11	.45	.21	.35	.67	.34	.33	.43	.34	.35		.56
31		.42		.37	.61		.29		.27	.33		.54
Mean	9.25	9.26	9.69	11.15	13.56	15.38	16.91	14.79	11.11	9.68	9.12	8.69
Max.	9.36	9.74	10.21	12.30	14.87	16.34	17.38	17.27	12.39	10.21	9.32	8.89
Min.	9.11	9.03	9.35	10.33	11.55	14.59	16.41	12.43	10.27	9.33	8.91	8.54

WATER YEAR 1926 : Max. 17.38 m. Min. 8.54 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	129	104	144	304	584	1,595	2,458	2,956	822	280	132	79
2	133	104	146	328	632	1,595	2,463	2,950	804	268	129	76
3	136	102	142	336	688	1,595	2,458	2,937	783	257	126	73
4	136	100	142	334	766	1,537	2,452	2,893	766	248	124	72
5	133	100	142	320	864	1,595	2,480	2,825	743	240	122	71
6	130	100	139	306	813	1,625	2,655	2,730	717	233	121	70
7	128	99	136	304	810	1,667	2,730	2,632	691	224	120	69
8	125	98	137	322	825	1,718	2,759	2,508	658	220	121	67
9	125	96	140	340	855	1,757	2,736	2,361	632	213	119	66
10	128	96	144	348	897	1,783	2,678	2,219	594	208	117	65
11	133	96	147	340	957	1,836	2,609	2,082	553	203	115	63
12	137	97	144	328	1,087	1,949	2,541	1,958	513	199	112	62
13	137	99	173	332	1,247	1,996	2,496	1,868	472	194	112	61
14	130	102	179	351	1,353	2,029	2,581	1,796	433	189	110	60
15	126	104	184	458	1,406	2,102	2,643	1,701	401	184	109	58
16	124	108	191	556	1,437	2,137	2,718	1,604	379	183	106	57
17	122	114	196	616	1,456	2,117	2,730	1,507	361	176	104	56
18	121	114	209	683	1,484	2,082	2,742	1,414	348	171	102	54
19	124	121	230	734	1,538	2,048	2,759	1,324	343	168	99	54
20	126	130	235	786	1,591	2,005	2,773	1,251	348	165	97	53
21	124	135	225	795	1,620	2,000	2,794	1,181	351	164	94	51
22	121	142	213	766	1,654	1,996	2,831	1,124	357	159	93	50
23	117	171	209	731	1,679	2,005	2,875	1,069	351	156	91	49
24	114	189	213	686	1,688	2,020	2,918	976	342	152	87	48
25	111	196	221	646	1,701	2,029	2,995	931	357	147	86	47
26	110	192	238	610	1,705	2,077	3,018	894	361	144	85	45
27	119	181	251	581	1,701	2,188	3,033	864	353	143	84	50
28	108	168	261	558	1,675	2,282	3,083	846	338	140	81	50
29	106	158	267	543	1,646	2,361	3,025	840	322	137		48
30	105	150	260	533	1,620	2,415	2,996	834	306	136		46
31		146		538	1,695		2,969		292	136		45
Total	3,708	3,912	5,678	15,415	39,514	58,191	84,927	53,066	15,091	5,839	2,998	1,815
Mean	124	126	189	497	1,275	1,940	2,739	1,769	487	188	107	59.7
Max.	137	196	280	795	1,705	2,415	3,033	2,956	822	280	132	79
Min.	105	96	136	304	584	1,587	2,452	834	292	133	81	45
Runoff – mcm.	320.371	337.997	490.579	1,331.856	3,414.012	5,027.702	7,337.693	4,584.902	1,303.862	504.490	259.027	156.816

WATER YEAR 1926 : Max. 3,033 Min. 45 Mean 795 Annual Runoff 25,069.219mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 27	06.00	17.38	3,033				

WATER YEAR 1927
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 119,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: 19.370 m. (M.S.L.

Bench Mark: -

Location: -

Elevation -

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: 1905-1959

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

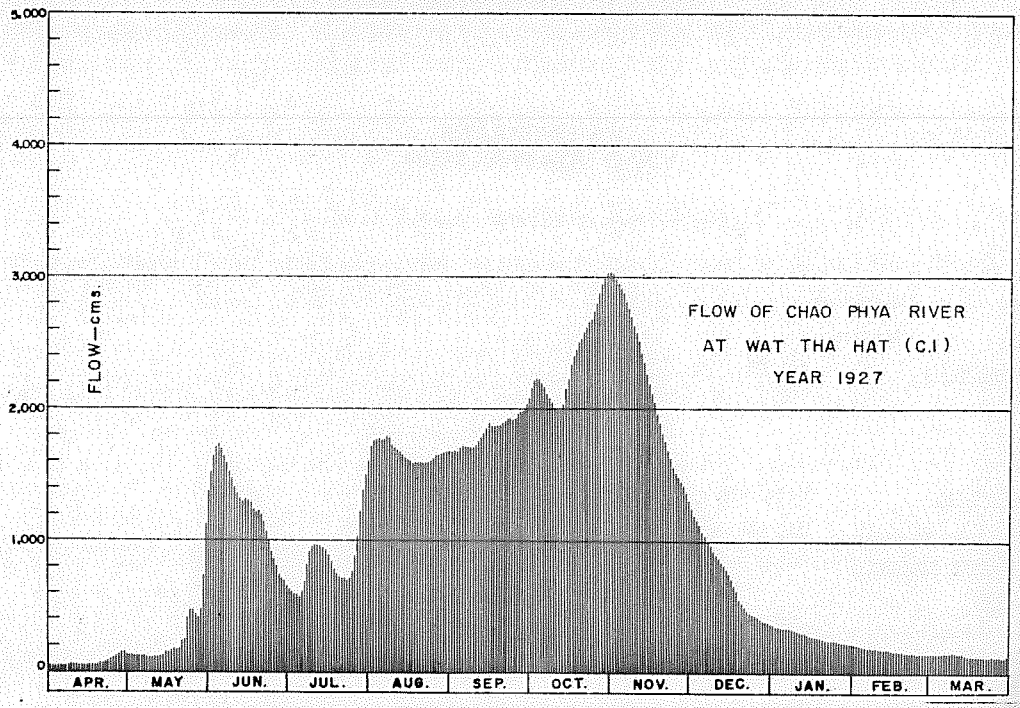
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.54	9.27	14.46	11.69	14.88	14.80	15.80	17.37	13.65	10.60	9.86	9.42
2	.54	.25	.74	.61	.98	.81	.95	.32	.52	.57	.83	.41
3	.53	.22	.88	.58	15.03	.81	.99	.26	.39	.54	.80	.41
4	.54	.19	.91	.54	.01	.87	.97	.21	.27	.51	.78	.41
5	.55	.18	.83	.52	.01	.90	.91	.13	.16	.49	.75	.41
6	8.54	9.16	14.71	11.67	15.04	14.89	15.83	17.03	13.07	10.48	9.73	9.42
7	.55	.15	.56	12.19	.05	.87	.75	16.95	12.96	.45	.71	.45
8	.62	.12	.42	.54	.01	.87	.69	.84	.85	.42	.69	.48
9	.66	.10	.27	.71	14.91	.87	.62	.73	.74	.39	.67	.49
10	.66	.10	.11	.85	.86	.91	.53	.61	.64	.36	.64	.48
11	8.63	9.10	13.96	12.87	14.82	15.00	15.49	16.49	12.53	10.33	9.63	9.46
12	.61	.13	.88	.85	.78	.05	.52	.34	.43	.31	.64	.42
13	.59	.21	.84	.83	.73	.13	.57	.20	.33	.27	.62	.38
14	.57	.30	.88	.80	.69	.21	.79	.04	.23	.25	.60	.35
15	.58	.39	.86	.71	.65	.27	.98	15.88	.13	.23	.58	.33
16	8.59	9.44	13.81	12.59	14.62	15.25	16.18	15.73	11.99	10.20	9.56	9.31
17	.60	.51	.68	.42	.58	.25	.31	.57	.84	.17	.54	.29
18	.64	.55	.61	.24	.59	.24	.40	.41	.64	.14	.52	.27
19	.68	.53	.63	.13	.59	.24	.50	.25	.45	.11	.51	.26
20	.73	.59	.58	.04	.59	.28	.58	.09	.31	.10	.49	.25
21	8.76	9.94	13.40	12.01	14.59	15.32	16.66	14.92	11.17	10.07	9.48	9.24
22	.83	10.45	.20	.04	.58	.35	.71	.79	.08	.05	.46	.23
23	.94	.85	12.98	11.95	.60	.36	.78	.64	10.99	.03	.45	.23
24	9.06	11.11	.73	12.02	.64	.35	.83	.49	.94	.01	.42	.25
25	.14	.06	.53	.14	.69	.37	.94	.38	.88	9.99	.41	.25
26	9.23	10.96	12.33	12.52	14.74	15.45	17.06	14.29	10.83	9.97	9.41	9.23
27	.36	.83	.16	13.18	.76	.49	.15	.20	.78	.95	.43	.24
28	.42	.83	.03	.70	.78	.51	.26	.07	.74	.94	.43	.23
29	.39	11.78	11.93	14.06	.79	.55	.32	13.94	.70	.92	.42	.23
30	.33	13.29	.80	.36	.81	.64	.37	.80	.66	.90		.24
31		14.04		.60	.80		.39		.63	.89		.26
Mean	8.78	9.95	13.59	12.48	14.75	15.16	16.32	15.73	11.95	10.21	9.59	9.33
Max.	9.42	14.04	14.91	14.60	15.05	15.64	17.39	17.37	13.65	10.60	9.86	9.49
Min.	8.53	9.10	11.80	11.52	14.58	14.81	15.49	13.80	10.63	9.89	9.41	9.23

WATER YEAR 1927 : Max. 17.39 m. Min. 8.53 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	45	125	1,534	621	1,709	1,675	2,132	3,025	1,229	359	216	146
2	45	122	1,650	600	1,752	1,679	2,209	2,989	1,185	353	211	144
3	44	129	1,709	592	1,774	1,679	2,230	2,950	1,141	346	206	144
4	45	115	1,722	581	1,765	1,705	2,219	2,918	1,100	340	203	144
5	45	114	1,688	576	1,765	1,718	2,188	2,869	1,064	336	197	144
6	45	111	1,637	616	1,779	1,714	2,147	2,807	1,034	334	194	146
7	45	110	1,575	763	1,783	1,705	2,107	2,759	998	328	191	150
8	52	106	1,519	867	1,765	1,705	2,077	2,695	963	322	187	155
9	55	104	1,460	919	1,722	1,705	2,044	2,632	928	316	184	156
10	55	104	1,399	963	1,701	1,722	2,000	2,564	897	310	179	155
11	53	104	1,342	969	1,684	1,761	1,981	2,496	864	304	178	152
12	51	108	1,313	963	1,664	1,783	1,996	2,415	834	300	179	146
13	49	117	1,298	957	1,646	1,818	2,020	2,340	804	292	176	140
14	47	129	1,313	947	1,629	1,854	2,127	2,256	775	288	173	136
15	48	142	1,305	919	1,612	1,881	2,225	2,173	746	284	170	133
16	49	149	1,287	882	1,599	1,872	2,329	2,097	705	278	167	130
17	50	159	1,240	831	1,583	1,872	2,398	2,020	663	272	164	128
18	54	165	1,215	778	1,587	1,868	2,447	1,945	608	267	161	125
19	57	162	1,222	746	1,587	1,868	2,502	1,872	558	261	159	124
20	62	171	1,205	720	1,587	1,886	2,547	1,801	523	259	156	122
21	65	230	1,144	711	1,587	1,904	2,592	1,727	489	253	155	121
22	72	328	1,077	720	1,583	1,917	2,621	1,671	467	249	152	120
23	85	414	1,005	694	1,591	1,922	2,661	1,608	447	246	150	120
24	99	474	925	714	1,608	1,917	2,689	1,546	435	242	146	122
25	109	463	864	749	1,629	1,926	2,753	1,503	421	238	144	122
26	120	440	804	861	1,650	1,963	2,825	1,468	410	235	144	120
27	137	410	754	1,070	1,658	1,981	2,881	1,433	399	231	147	121
28	146	410	717	1,247	1,667	1,991	2,950	1,384	390	230	147	120
29	142	646	688	1,380	1,671	2,010	2,989	1,335	381	226	146	120
30	133	1,107	652	1,495	1,679	2,053	3,025	1,283	372	223		121
31		1,372		1,591	1,675		3,040		366	221		124
Total	2,104	8,830	37,263	27,042	51,694	55,054	74,951	64,581	22,196	8,743	4,982	4,151
Mean	70.1	285	1,242	872	1,667	1,835	2,418	2,153	716	282	172	134
Max.	146	1,372	1,722	1,591	1,783	2,053	3,040	3,025	1,229	359	216	156
Min.	44	104	658	576	1,583	1,684	1,981	1,283	366	221	144	120
Runoff - mcm.	181.786	762.912	3,219.523	2,336.429	4,466.362	4,756.666	6,475.776	5,579.798	1,917.734	755.395	430.445	358.646

WATER YEAR 1927 : Max. 3,040 Min. 44 Mean 988 Annual Runoff 31,241.462mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 31	06.00	17.39	3,040				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1928
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

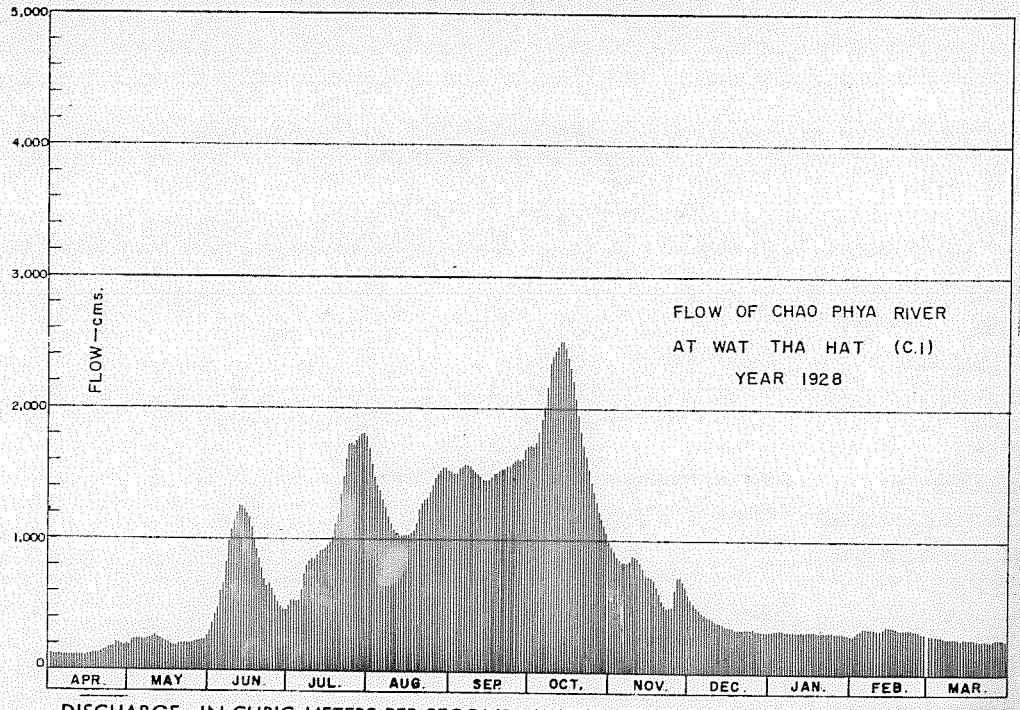
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.25	9.66	10.37	11.22	14.74	14.40	14.89	12.80	11.44	10.36	10.28	10.30
2	.22	.87	.62	.34	.43	.38	.89	.67	.32	.38	.33	.28
3	.20	.99	11.01	.38	.26	.40	.96	.57	.21	.42	.41	.26
4	.19	.99	.17	.34	.09	.48	15.21	.48	.11	.43	.48	.24
5	.17	.97	.66	.36	13.94	.52	.36	.43	.03	.41	.50	.22
6	9.15	9.93	11.93	11.65	13.81	14.55	15.58	12.39	10.96	10.40	10.51	10.20
7	.14	.94	12.35	12.11	.64	.54	.84	.44	.91	.38	.50	.18
8	.13	10.00	.90	.35	.47	.52	16.17	.49	.86	.36	.49	.17
9	.11	.04	13.23	.45	.31	.44	.27	.60	.81	.34	.48	.16
10	.11	.06	.42	.49	.17	.42	.36	.58	.76	.33	.48	.14
11	9.12	10.16	13.57	12.51	13.09	14.34	16.44	12.49	10.72	10.32	10.47	10.13
12	.13	.07	.71	.56	.04	.29	.50	.36	.68	.34	.48	.11
13	.13	.00	.70	.67	.03	.24	.49	.24	.63	.36	.58	.10
14	.13	9.91	.64	.71	.05	.23	.41	.14	.59	.38	.60	.11
15	.15	.83	.56	.74	.06	.27	.27	.05	.56	.38	.58	.12
16	9.20	9.74	13.41	12.81	13.06	14.32	16.08	12.06	10.53	10.37	10.55	10.11
17	.25	.69	.16	.90	.11	.38	15.85	11.87	.49	.35	.52	.09
18	.28	.73	12.88	13.03	.25	.39	.61	.71	.48	.34	.50	.11
19	.30	.75	.63	.41	.50	.43	.37	.53	.46	.33	.48	.10
20	.34	.81	.43	.65	.71	.45	.06	.35	.44	.35	.48	.08
21	9.40	9.80	12.31	14.01	13.81	14.47	14.88	11.19	10.41	10.38	10.50	10.08
22	.50	.78	.21	.40	.85	.48	.65	.18	.42	.39	.50	.08
23	.52	.77	.05	.71	.91	.53	.43	.19	.44	.37	.48	.07
24	.54	.76	11.86	.95	14.01	.57	.19	.29	.43	.34	.46	.08
25	.63	.80	.65	.93	.19	.62	.00	.74	.43	.33	.42	.09
26	9.77	9.88	11.46	14.91	14.32	14.63	13.82	12.04	10.41	10.31	10.38	10.11
27	.78	.93	.29	15.02	.39	.59	.62	.05	.40	.29	.34	.12
28	.73	.93	.17	.08	.45	.67	.45	11.91	.38	.29	.32	.11
29	.69	.96	.10	.11	.50	.84	.27	.72	.36	.28		.08
30	.64	.98	.09	.08	.49	.89	.11	.56	.36	.27		.05
31		10.17		.01	.44		12.93		.37	.26		.02
Mean	9.33	9.90	12.25	12.77	13.78	14.48	15.09	12.04	10.67	10.35	10.47	10.13
Max.	9.78	10.17	13.71	15.11	14.74	14.89	16.50	12.80	11.44	10.43	10.60	10.30
Min.	9.11	9.66	10.37	11.22	13.03	14.23	12.93	11.18	10.36	10.26	10.28	10.02

WATER YEAR 1928 : Max. 16.50 m. Min. 9.11 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	122	183	312	501	1,650	1,511	1,714	947	556	310	294	298
2	119	218	363	551	1,523	1,503	1,714	907	526	314	304	294
3	116	238	451	541	1,456	1,511	1,744	876	498	322	320	290
4	115	238	489	531	1,391	1,542	1,854	849	474	324	334	286
5	112	235	613	536	1,335	1,558	1,922	834	456	320	338	282
6	110	228	688	610	1,287	1,570	2,024	822	440	318	340	278
7	109	230	810	740	1,226	1,566	2,152	837	428	314	338	274
8	108	240	979	810	1,168	1,558	2,324	852	417	310	336	272
9	105	248	1,087	840	1,113	1,527	2,377	885	405	306	334	270
10	105	251	1,151	852	1,067	1,519	2,425	879	394	304	334	267
11	106	270	1,202	858	1,041	1,488	2,469	852	385	302	332	265
12	108	253	1,251	873	1,024	1,468	2,502	813	377	306	334	261
13	108	240	1,247	907	1,021	1,449	2,496	778	366	310	354	259
14	108	225	1,226	919	1,027	1,445	2,452	749	357	314	359	261
15	110	221	1,198	928	1,031	1,460	2,377	722	351	314	355	263
16	116	196	1,147	950	1,031	1,480	2,277	725	344	312	348	261
17	122	187	1,064	979	1,047	1,503	2,157	672	336	318	342	257
18	126	194	973	1,021	1,093	1,507	2,039	627	334	306	338	261
19	129	197	894	1,147	1,178	1,523	1,926	579	330	304	334	259
20	135	208	834	1,229	1,251	1,530	1,787	533	326	308	334	255
21	143	206	798	1,361	1,287	1,538	1,709	494	320	314	338	255
22	158	203	769	1,511	1,301	1,542	1,612	491	322	316	338	255
23	161	201	722	1,637	1,324	1,562	1,523	494	324	312	334	253
24	164	199	669	1,739	1,361	1,579	1,429	518	326	306	330	255
25	178	206	610	1,731	1,429	1,599	1,357	635	324	304	322	257
26	201	220	561	1,718	1,480	1,604	1,290	720	320	300	314	261
27	203	228	518	1,770	1,507	1,587	1,219	722	318	296	306	263
28	194	228	489	1,796	1,530	1,620	1,161	683	314	296	302	261
29	187	233	472	1,809	1,550	1,692	1,100	630	310	294		255
30	189	237	470	1,796	1,546	1,714	1,047	587	310	292		249
31		272		1,765	1,527		989		312	290		244
Total	4,057	6,933	24,059	34,936	39,802	46,255	57,168	21,712	11,600	9,546	9,286	8,221
Mean	135	224	802	1,127	1,284	1,542	1,844	724	374	308	332	265
Max.	203	272	1,251	1,809	1,650	1,714	2,502	947	556	324	359	298
Min.	105	183	312	501	1,021	1,445	989	491	310	290	294	244
Runoff - mcm.	350.525	599.011	2,078.525	3,018.470	3,438.893	3,996.432	4,939.315	1,875.917	1,002.240	824.774	802.310	710.294

WATER YEAR 1928 : Max. 2,502 Min. 105 Mean 749 Annual Runoff 23,636.707 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 12	18.00	16.51	2,502				

WATER YEAR 1929
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

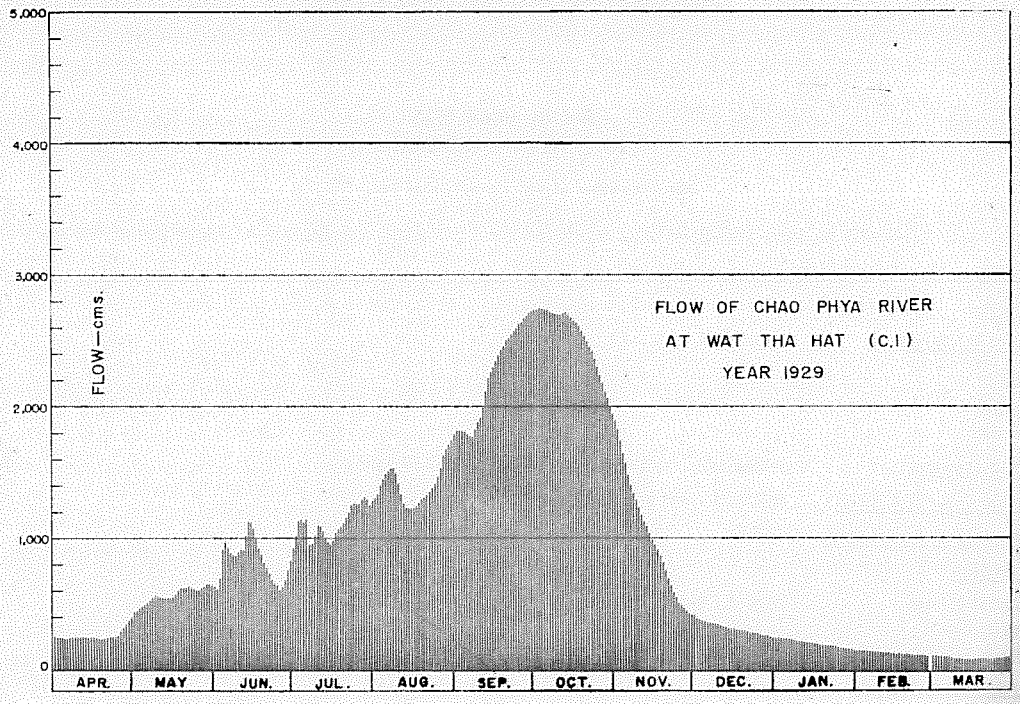
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	10.05	10.98	11.71	12.72	13.85	15.11	16.89	15.29	10.83	10.05	9.50	9.19
2	.04	11.02	.65	13.07	.95	.12	.89	.11	.78	.03	.49	.18
3	.02	.08	12.07	.33	14.13	.12	.93	14.93	.73	.02	.49	.16
4	.00	.14	.74	.40	.24	.09	.92	.73	.70	.02	.48	.14
5	9.99	.21	.89	.32	.33	.08	.91	.53	.66	.01	.47	.12
6	10.00	11.28	12.77	13.10	14.38	15.04	16.89	14.33	10.64	9.99	9.45	9.10
7	.02	.34	.62	12.86	.44	.02	.88	.14	.61	.97	.44	.08
8	.04	.42	.54	.80	.44	.09	.85	13.98	.59	.95	.42	.07
9	.03	.46	.56	.96	.32	.25	.84	.82	.56	.92	.41	.05
10	.02	.45	.65	13.18	.09	.32	.83	.67	.53	.91	.40	.03
11	10.02	11.43	12.70	13.29	13.89	15.40	16.83	13.50	10.51	9.89	9.38	9.01
12	.03	.41	.71	.23	.71	.71	.85	.37	.48	.87	.36	.01
13	.03	.40	13.03	.08	.63	.92	.85	.22	.46	.85	.35	.01
14	.02	.40	.37	12.91	.63	16.03	.82	.08	.45	.83	.35	.00
15	.04	.41	.29	.83	.64	.12	.78	12.93	.43	.81	.33	8.98
16	10.06	11.44	13.11	12.90	13.65	16.20	16.75	12.81	10.41	9.79	9.32	9.00
17	.03	.55	12.90	13.08	.71	.29	.71	.68	.37	.77	.32	.03
18	.00	.65	.72	.16	.78	.35	.68	.54	.35	.76	.31	.03
19	9.98	.70	.52	.23	.82	.41	.62	.39	.34	.74	.30	.02
20	10.01	.71	.36	.30	.86	.48	.56	.22	.32	.72	.29	.06
21	10.06	11.70	12.25	13.39	13.90	16.51	16.48	12.01	10.31	9.70	9.27	9.03
22	.02	.71	.10	.54	.99	.56	.41	11.79	.29	.69	.25	.01
23	.02	.69	11.96	.73	14.08	.62	.32	.60	.27	.68	.22	.00
24	.08	.65	.84	.75	.16	.67	.22	.41	.24	.65	.23	.00
25	.18	.62	.74	.74	.29	.71	.11	.27	.22	.64	.23	.02
26	10.29	11.63	11.64	13.73	14.44	16.74	15.99	11.15	10.20	9.61	9.22	9.02
27	.41	.69	.71	.82	.67	.79	.86	.06	.16	.60	.21	.03
28	.53	.79	.89	.88	.81	.83	.73	10.99	.14	.58	.20	.07
29	.65	.83	12.21	.83	.87	.85	.63	.92	.12	.55		.09
30	.74	.82	.44	.73	.91	.88	.52	.88	.10	.54		.08
31		.78		.78	15.02		.40		.08	.51		.08
Mean	10.11	11.50	12.42	13.31	14.15	15.98	16.51	12.88	10.41	9.79	9.35	9.05
Max.	10.74	11.83	13.37	13.88	15.02	16.88	16.93	15.29	10.83	10.05	9.50	9.19
Min.	9.98	10.98	11.64	12.72	13.63	15.02	15.40	10.88	10.08	9.51	9.20	8.98

WATER YEAR 1929 : Max. 16.93 m. Min. 8.98 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	249	444	627	922	1,301	1,809	2,724	1,890	410	249	158	115
2	248	454	610	1,034	1,338	1,814	2,724	1,809	399	246	156	114
3	244	467	728	1,120	1,406	1,814	2,747	1,731	388	244	156	111
4	240	482	928	1,144	1,449	1,801	2,742	1,646	381	244	155	109
5	238	498	976	1,117	1,484	1,796	2,736	1,562	372	242	153	106
6	240	516	938	1,044	1,503	1,779	2,724	1,484	368	238	150	104
7	244	531	891	966	1,527	1,770	2,718	1,410	361	235	149	102
8	248	551	867	947	1,527	1,801	2,701	1,350	357	231	146	100
9	246	561	873	998	1,480	1,872	2,695	1,290	351	226	144	98
10	244	558	900	1,070	1,391	1,904	2,689	1,236	344	225	143	96
11	244	553	916	1,107	1,316	1,940	2,689	1,178	340	221	140	93
12	246	548	919	1,087	1,251	2,087	2,701	1,134	334	218	137	93
13	246	546	1,021	1,037	1,222	2,193	2,701	1,084	330	214	136	93
14	244	546	1,134	982	1,222	2,251	2,684	1,037	328	211	136	92
15	248	548	1,107	957	1,226	2,298	2,641	989	324	208	133	90
16	251	556	1,047	979	1,229	2,340	2,643	950	320	204	132	92
17	246	584	979	1,037	1,251	2,388	2,621	910	312	201	132	96
18	240	610	922	1,064	1,276	2,420	2,604	867	308	199	130	96
19	236	624	861	1,087	1,290	2,452	2,569	822	306	196	129	94
20	242	627	813	1,110	1,305	2,491	2,536	772	302	192	128	99
21	251	624	780	1,141	1,320	2,508	2,491	711	300	189	125	96
22	244	627	737	1,192	1,353	2,536	2,452	649	296	187	122	93
23	244	621	697	1,258	1,387	2,569	2,404	597	292	186	119	92
24	255	610	663	1,265	1,418	2,598	2,351	548	286	181	120	92
25	274	602	635	1,261	1,468	2,621	2,292	513	282	179	120	94
26	296	605	608	1,258	1,527	2,638	2,230	484	278	175	119	94
27	320	621	627	1,290	1,620	2,666	2,163	463	270	173	117	96
28	344	649	677	1,313	1,679	2,689	2,097	447	267	170	116	100
29	370	660	769	1,294	1,705	2,701	2,048	431	263	165		103
30	390	658	837	1,258	1,722	2,718	1,996	421	259	164		102
31		646		1,276	1,770		1,940		255	159		102
Total	7,873	17,727	25,087	34,415	43,963	67,264	78,073	30,415	9,983	6,372	3,801	3,057
Mean	262	572	836	1,117	1,418	2,242	2,518	1,014	322	205	136	98.6
Max.	390	660	1,134	1,313	1,770	2,718	2,747	1,890	410	249	158	115
Min.	237	444	608	922	1,222	1,770	1,940	421	255	159	116	90
Runoff - mcm.	680.237	1,531.613	2,167.517	2,990.736	3,798.403	5,811.610	6,745.507	2,627.856	862.531	550.541	328.406	264.125

WATER YEAR 1929 : Max. 2,747 Min. 90 Mean 899 Annual Runoff 28,359.072mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 3	06.00	16.93	2,747				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1930
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1905–59

Rating Operation:

Period of Rating: 1905–13, 1947–55

Rated by Float: 1905–13

Rated by Current Meter: 1947–55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

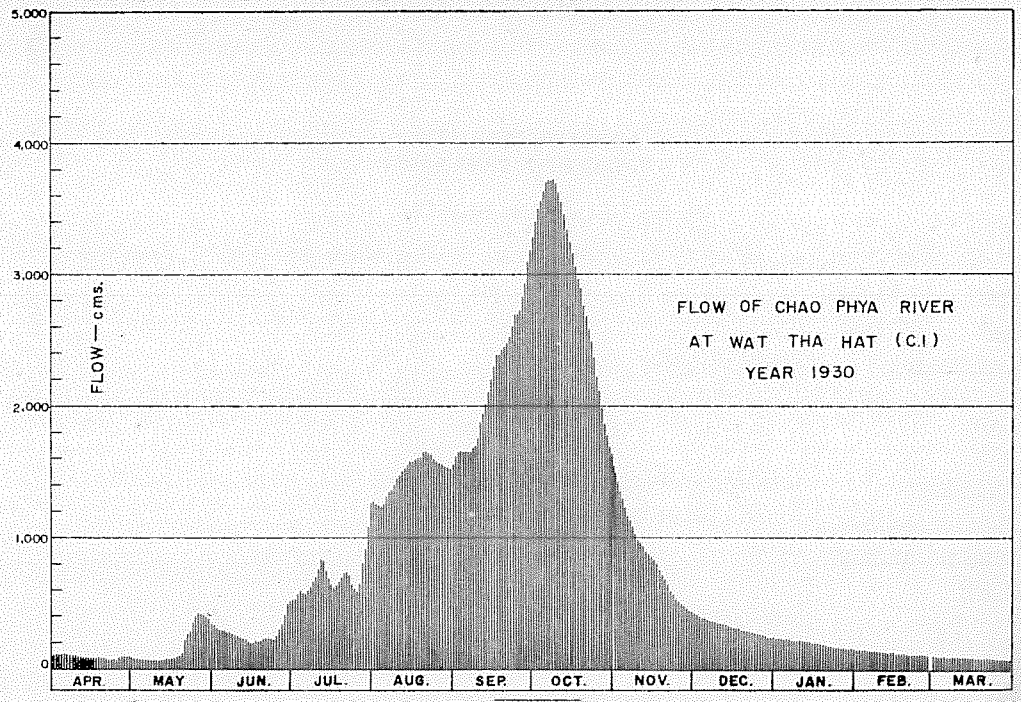
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905–13 and period 1947–55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.13	8.90	10.47	11.32	13.74	14.62	17.75	14.35	10.88	9.99	9.44	9.05
2	.16	.87	.33	.35	.73	.73	.86	.15	.83	.97	.43	.04
3	.16	.85	.28	.50	.69	.74	.95	13.98	.78	.95	.42	.04
4	.17	.81	.24	.58	.66	.73	18.02	.80	.73	.93	.40	.03
5	.16	.79	.24	.53	.75	.71	.08	.61	.70	.92	.39	.01
6	9.16	8.77	10.19	11.49	13.88	14.72	18.13	13.44	10.66	9.89	9.37	9.00
7	.13	.75	.14	.58	.96	.74	.14	.30	.63	.87	.35	8.98
8	.12	.74	.11	.74	14.02	.82	.14	.16	.61	.85	.33	.97
9	.10	.73	.07	.86	.12	.88	.14	.02	.57	.84	.32	.95
10	.06	.74	.00	12.00	.25	15.08	.09	12.90	.54	.85	.31	.94
11	9.04	8.73	9.96	12.20	14.30	15.30	18.02	12.78	10.53	9.87	9.30	8.94
12	.01	.76	.92	.44	.38	.44	17.94	.69	.51	.84	.29	.92
13	8.98	.79	.87	.35	.46	.62	.83	.58	.47	.81	.27	.91
14	.97	.83	.79	.10	.51	.82	.73	.50	.44	.78	.27	.90
15	.92	.87	.75	11.89	.55	.99	.62	.45	.41	.75	.24	.89
16	8.94	8.89	9.77	11.73	14.56	16.13	17.53	12.37	10.38	9.73	9.21	8.88
17	.92	.93	.79	.68	.58	.29	.38	.27	.35	.71	.19	.87
18	.94	.98	.80	.76	.62	.30	.25	.12	.32	.69	.18	.86
19	.94	9.05	.82	.86	.66	.39	.15	11.98	.29	.68	.17	.85
20	.90	.29	.91	.98	.75	.41	16.99	.86	.26	.65	.15	.84
21	8.88	9.93	9.96	12.11	14.76	16.49	16.83	11.73	10.23	9.63	9.14	8.82
22	.86	10.16	.93	.05	.71	.58	.65	.59	.22	.61	.13	.82
23	.84	.30	.88	11.90	.65	.68	.47	.46	.20	.60	.12	.81
24	.84	.60	.93	.74	.59	.83	.22	.35	.18	.57	.11	.80
25	.82	.80	10.12	.61	.55	.84	15.97	.24	.15	.54	.10	.80
26	8.99	10.90	10.38	11.58	14.52	16.94	15 .72	11.15	10.12	9.51	9.09	8.80
27	9.01	.86	11.54	.89	.50	17.13	.47	.09	.10	.53	.08	.80
28	.03	.82	.96	12.37	.46	.33	.19	.01	.08	.51	.06	.79
29	.01	.75	.20	.79	.44	.49	.00	10.98	.05	.49		.78
30	.03	.66	.31	13.18	.42	.61	14.80	.93	.03	.48		.79
31		.51		.72	.46		.69		.01	.46		.79
Mean	9.01	9.37	10.22	11.96	14.33	15.91	17.06	12.39	10.39	9.72	9.27	8.89
Max.	9.17	10.90	11.96	13.72	14.76	17.61	18.14	14.35	10.88	9.99	9.44	9.05
Min.	8.82	8.73	9.75	11.32	13.66	14.62	14.69	10.93	10.01	9.46	9.06	8.78

WATER YEAR 1930 : Max. 18.14 m. Min. 8.73 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 193

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	108	80	332	526	1,261	1,599	3,326	1,491	421	238	149	98
2	111	77	304	533	1,258	1,646	3,422	1,414	410	235	147	97
3	111	74	294	571	1,243	1,650	3,507	1,350	399	231	146	97
4	112	70	286	592	1,233	1,646	3,579	1,283	388	228	143	96
5	111	68	286	579	1,265	1,637	3,643	1,215	381	226	142	93
6	111	66	276	568	1,313	1,641	3,699	1,158	372	221	139	92
7	108	64	267	592	1,342	1,650	3,710	1,110	366	218	136	79
8	106	63	261	635	1,365	1,684	3,710	1,064	361	214	133	88
9	104	62	253	669	1,403	1,709	3,710	1,018	353	213	132	86
10	99	63	240	708	1,452	1,796	3,654	979	346	214	130	85
11	97	62	233	766	1,472	1,895	3,579	941	344	218	129	85
12	93	65	226	837	1,503	1,958	3,497	913	340	213	128	82
13	90	68	218	810	1,534	2,044	3,395	879	332	208	125	81
14	88	72	204	737	1,554	2,142	3,309	855	326	203	125	80
15	82	77	197	677	1,570	2,230	3,217	840	320	297	121	79
16	85	79	201	632	1,575	2,303	3,146	816	314	194	117	78
17	82	84	204	619	1,583	2,388	3,033	786	308	191	115	77
18	85	90	206	641	1,599	2,393	2,943	743	302	187	114	76
19	85	98	209	669	1,616	2,442	2,881	702	296	186	112	74
20	80	128	225	702	1,654	2,452	2,782	669	290	181	110	73
21	78	228	233	740	1,658	2,496	2,689	632	284	178	109	71
22	76	270	228	722	1,637	2,547	2,586	594	282	175	108	71
23	73	298	220	680	1,612	2,604	2,485	561	278	173	106	70
24	73	359	228	635	1,587	2,689	2,351	533	274	168	105	69
25	71	403	263	600	1,570	2,695	2,219	506	268	164	104	69
26	91	426	314	592	1,558	2,753	2,092	424	263	159	103	69
27	93	417	346	677	1,550	2,863	1,972	470	259	162	102	69
28	96	408	440	816	1,534	2,997	1,845	451	255	159	99	68
29	93	392	496	944	1,527	3,114	1,761	444	249	156		67
30	96	372	521	1,070	1,519	3,209	1,675	433	246	155		68
31		340		1,254	1,534		1,629		242	152		69
Total	2,788	5,423	8,211	21,793	44,081	66,878	91,046	25,334	2,869	6,017	3,429	2,456
Mean	92.9	175	274	703	1,486	2,229	2,937	844	318	194	122	79.2
Max.	112	426	521	1,254	1,658	3,209	3,710	1,491	421	238	149	98
Min.	71	62	197	526	1,233	1,599	1,629	433	242	152	99	67
Runoff - MCM.	240.883	468.547	709.430	1,882.915	3,981.398	5,778.259	7,866.374	2,188.858	852.682	519.869	296.266	212.198

WATER YEAR 1930 : Max. 3,710 Min. 62 Mean 793 Annual Runoff 24,997.680mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 6	12.00	18.14	3,710				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

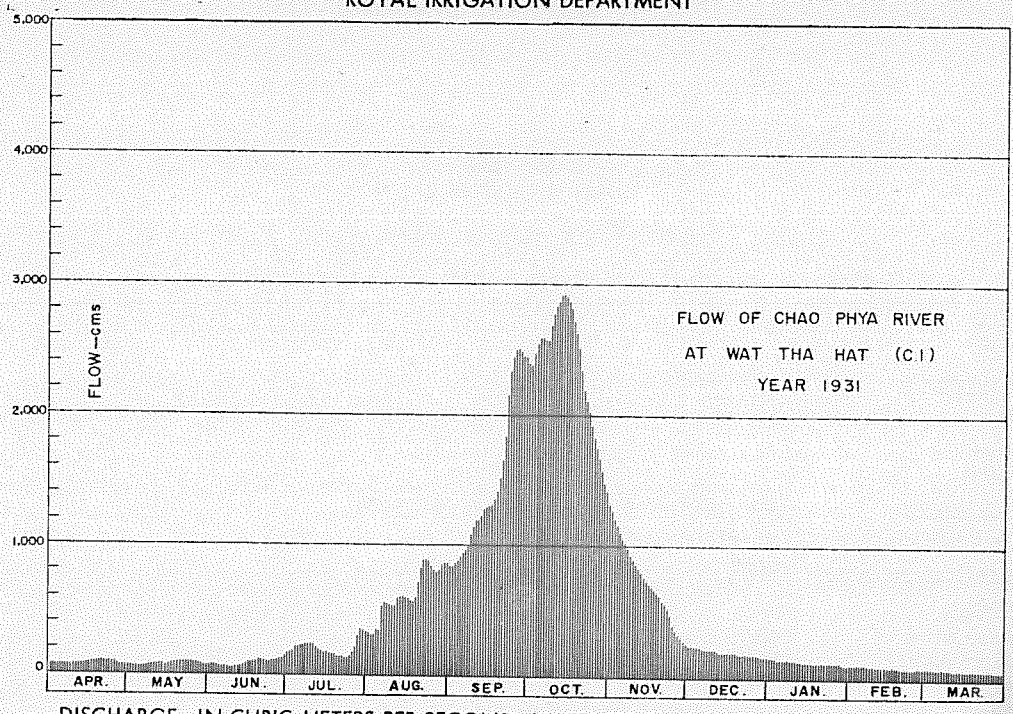
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.78	8.77	8.79	9.58	10.32	12.40	16.27	13.87	9.98	9.43	9.04	8.78
2	.77	.75	.75	.64	.31	.41	.29	.69	.97	.41	.03	.77
3	.75	.73	.71	.70	.39	.47	.48	.52	.96	.39	.02	.76
4	.74	.70	.71	.80	.55	.57	.59	.39	.93	.37	.01	.76
5	.78	.69	.67	.86	.95	.66	.55	.23	.90	.35	.01	.75
6	8.76	8.68	8.69	9.89	11.31	12.77	16.64	13.10	9.85	9.34	9.00	8.74
7	.76	.65	.71	.91	.43	.85	.61	12.99	.82	.32	8.99	.73
8	.75	.68	.68	.96	.44	13.02	.63	.84	.81	.31	.97	.72
9	.75	.71	.67	.98	.35	.24	.80	.67	.80	.29	.96	.72
10	.73	.74	.68	.96	.30	.38	.96	.54	.79	.27	.96	.71
11	8.81	8.77	8.71	9.91	11.36	13.45	17.06	12.45	9.78	9.25	8.95	8.70
12	.85	.79	.71	.81	.59	.53	.14	.35	.75	.24	.93	.67
13	.89	.81	.76	.70	.63	.66	.20	.25	.74	.23	.93	.68
14	.89	.83	.83	.62	.60	.77	.20	.15	.73	.21	.92	.68
15	.89	.85	.97	.57	.59	.80	.16	.05	.73	.20	.91	.67
16	8.93	8.86	8.98	9.53	11.57	13.82	17.10	11.97	9.72	9.19	8.89	8.67
17	.99	.86	9.03	.52	.49	.85	16.99	.89	.69	.18	9.00	.66
18	9.02	.89	.07	.48	.44	.97	.82	.81	.67	.17	8.93	.66
19	.04	.93	.12	.43	.59	14.12	.63	.71	.66	.16	.90	.65
20	.06	.96	.23	.37	12.04	.46	.37	.62	.64	.15	.88	.64
21	9.06	8.99	9.17	9.33	12.43	14.82	15.09	11.51	9.62	9.15	8.87	8.63
22	.03	9.00	.12	.32	.60	15.26	15.85	.38	.59	.14	.86	.62
23	8.99	8.99	.05	.27	.59	.86	.72	.20	.58	.13	.85	.62
24	.96	.98	.02	.27	.51	16.22	.51	.08	.56	.12	.84	.61
25	.99	.98	.08	.42	.39	.39	.28	10.68	.54	.11	.83	.61
26	8.92	8.95	9.14	9.59	12.30	16.48	15.08	10.51	9.53	9.11	8.82	8.59
27	.87	.92	.18	.86	.28	.48	14.87	.35	.52	.10	.81	.58
28	.83	.91	.20	10.32	.34	.44	.64	.24	.49	.08	.80	.58
29	.80	.89	.30	.55	.48	.38	.42	.18	.47	.07	.79	.57
30	.78	.87	.42	.55	.52	.37	.25	.09	.46	.06		.57
31		.84		.42	.49		.06		.45	.05		.56
Mean	8.85	8.84	8.94	9.74	11.68	14.23	16.17	11.94	9.70	9.21	8.92	8.67
Max.	9.06	9.00	9.42	10.55	12.60	16.48	17.20	13.87	9.98	9.43	9.04	8.78
Min.	8.74	8.65	8.67	9.27	10.31	12.40	14.06	10.09	9.45	9.05	8.79	8.56

WATER YEAR 1931 : Max. 17.20 m. Min. 8.56 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	67	66	68	170	302	825	2,377	1,309	237	147	97	67
2	66	64	64	179	300	828	2,388	1,243	235	144	96	66
3	64	62	60	189	316	846	2,491	1,185	233	142	94	65
4	63	59	60	206	348	876	2,552	1,141	228	139	93	65
5	67	58	56	216	437	904	2,586	1,087	223	136	93	64
6	65	57	58	221	523	938	2,581	1,044	213	135	92	63
7	65	54	60	225	553	963	2,564	1,008	209	132	91	62
8	64	57	57	233	556	1,018	2,575	960	208	130	88	61
9	64	60	56	237	533	1,090	2,672	907	206	128	87	61
10	67	63	57	233	521	1,137	2,765	867	204	125	87	60
11	70	66	60	225	536	1,195	2,825	840	203	122	86	59
12	74	68	60	208	594	1,188	2,875	810	197	121	84	56
13	79	70	65	189	605	1,233	2,912	780	196	120	84	57
14	79	72	72	176	597	1,272	2,912	751	194	117	82	57
15	79	74	88	168	594	1,283	2,887	722	194	116	81	56
16	84	76	90	462	589	1,290	2,850	700	192	115	79	56
17	91	76	96	161	568	1,301	2,782	677	187	114	92	55
18	94	79	100	155	556	1,346	2,684	655	184	112	84	55
19	97	84	106	147	594	1,403	2,575	627	183	111	80	54
20	99	87	120	139	720	1,534	2,431	604	179	110	78	54
21	99	91	112	133	834	1,684	2,282	574	176	110	77	53
22	96	92	106	132	885	1,877	2,157	541	171	109	76	52
23	91	91	98	125	882	2,163	2,092	496	170	108	74	52
24	87	90	94	125	858	2,351	1,991	467	167	106	73	51
25	87	90	102	146	822	2,442	1,886	377	164	105	72	51
26	82	86	102	171	795	2,491	1,796	340	162	105	71	49
27	77	82	114	816	789	2,491	1,705	308	161	104	70	48
28	72	81	116	302	807	2,469	1,608	286	156	102	69	48
29	69	79	129	348	849	2,436	1,519	274	153	100	68	47
30	67	77	146	348	861	2,431	1,452	257	152	99		47
31		73		322	852		1,380		150	98		46
Total	2,325	2,284	2,579	6,207	19,576	45,305	73,152	21,837	5,888	3,662	2,398	1,737
Mean	77.5	73.7	86.0	200	631	1,510	2,360	728	190	118	82.7	56.0
Max.	99	92	146	348	885	2,491	2,912	1,309	237	147	97	67
Min.	63	54	56	125	300	825	1,380	257	150	98	68	46
Runoff - mcm.	200.880	197.338	222.826	536.285	1,691.366	3,914.352	6,320.333	1,886.717	508.723	316.397	207.187	150.077

WATER YEAR 1931 :- Max. 2,912 Min. 46 Mean 511 Annual Runoff16,152.480 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 13	18.00	17.21	2,912				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1932
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat. (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

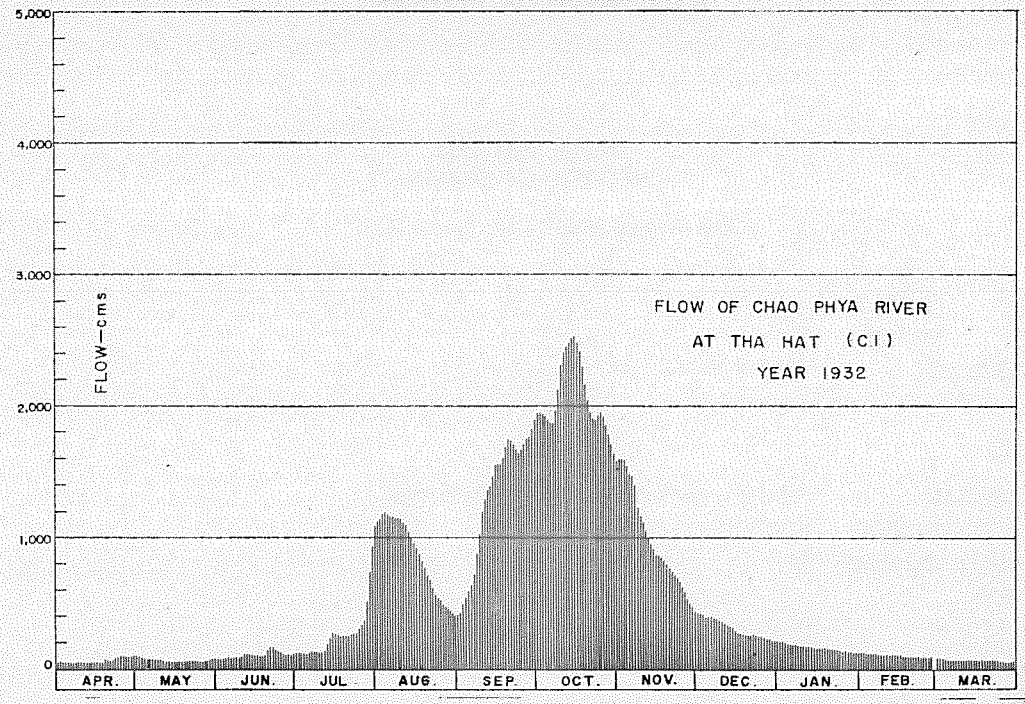
General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.56	9.02	8.87	9.25	13.35	10.84	15.40	14.58	10.38	9.82	9.24	8.93
2	.56	8.99	.89	.27	.41	.99	.40	.61	.90	.85	.23	.92
3	.55	.94	.89	.25	.53	11.22	.39	.59	.76	.77	.22	.91
4	.54	.90	.90	.20	.52	.42	.32	.47	.73	.72	.20	.89
5	.53	.87	.91	.18	.45	.65	.26	.33	.74	.69	.19	.88
6	8.53	8.84	8.91	9.23	13.42	11.82	15.23	14.13	10.77	9.67	9.18	8.87
7	.52	.82	.93	.30	.42	12.08	.25	13.88	.73	.66	.17	.86
8	.52	.80	.94	.30	.41	.47	.56	.63	.66	.63	.16	.84
9	.52	.78	.91	.29	.40	13.23	.94	.42	.61	.62	.15	.83
10	.52	.75	9.06	.26	.36	.60	16.18	.28	.56	.59	.13	.82
11	8.52	8.72	9.16	9.29	13.27	13.88	16.33	13.11	10.51	9.56	9.12	8.82
12	.52	.69	.18	.42	.17	14.01	.41	12.96	.48	.54	.11	.81
13	.52	.67	.16	.76	.06	.10	.45	.83	.43	.53	.10	.80
14	.56	.62	.13	10.07	12.93	.30	.52	.68	.36	.51	.08	.78
15	.57	.63	.08	.16	.78	.51	.53	.57	.25	.49	.07	.77
16	8.58	8.67	9.03	10.14	12.63	14.51	16.44	12.54	10.20	9.47	9.06	8.77
17	.57	.68	.01	.07	.53	.51	.30	.47	.16	.47	.05	.75
18	.56	.69	.04	.03	.41	.69	.10	.39	.13	.45	.03	.75
19	.73	.69	.13	.06	.24	.86	15.84	.30	.10	.44	.02	.74
20	.72	.69	.40	.09	.03	.96	.61	.22	.07	.43	.01	.75
21	8.68	8.69	9.56	10.09	11.86	14.95	15.36	12.14	10.09	9.41	9.00	8.73
22	.75	.70	.53	.11	.69	.85	.29	.03	.13	.40	.00	.72
23	.91	.69	.46	.13	.52	.74	.31	11.94	.06	.38	.00	.71
24	9.01	.69	.33	.18	.39	.70	.36	.82	.01	.36	.00	.71
25	.04	.66	.24	.34	.30	.81	.42	.72	.00	.35	.00	.70
26	9.04	8.66	9.16	10.47	11.20	14.90	15.30	11.56	9.99	9.33	8.99	8.70
27	.01	.73	.11	.52	.10	.99	.15	.37	.97	.31	.96	.69
28	8.99	.79	.11	11.27	.05	15.02	.00	.21	.94	.29	.94	.69
29	.99	.81	.10	12.18	10.96	.17	14.82	.07	.87	.29		.68
30	9.01	.83	.13	.62	.85	.32	.64	10.92	.84	.28		.71
31		.84		13.21	.79		.56		.82	.26		.69
Mean	8.69	8.76	9.11	10.09	12.42	13.77	15.60	12.76	10.31	9.51	9.09	8.78
Max.	9.04	9.02	9.56	13.21	13.53	15.32	16.53	14.61	10.90	9.85	9.24	8.93
Min.	8.52	8.66	8.87	9.18	10.79	10.84	14.56	10.92	9.82	9.26	8.94	8.68

WATER YEAR 1932 : Max. 16.53 m. Min. 8.52 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	46	94	77	122	1,127	412	1,940	1,583	421	209	121	84
2	46	91	79	125	1,147	447	1,940	1,595	426	214	120	82
3	45	85	79	122	1,188	501	1,935	1,587	394	201	119	81
4	45	80	80	116	1,185	551	1,904	1,538	388	192	116	79
5	44	77	81	114	1,161	610	1,877	1,448	390	187	115	78
6	44	73	81	120	1,151	658	1,863	1,460	396	184	114	77
7	43	71	84	129	1,151	731	1,872	1,313	388	183	112	76
8	43	69	85	129	1,147	846	2,015	1,222	372	178	111	73
9	43	67	81	128	1,144	1,087	2,204	1,151	361	176	110	72
10	43	64	99	124	1,130	1,212	2,329	1,103	351	171	108	71
11	43	61	111	128	1,100	1,313	2,409	1,047	340	167	106	71
12	43	58	114	146	1,067	1,361	2,452	998	334	164	105	70
13	43	56	108	199	1,031	1,395	2,474	957	324	162	104	69
14	46	52	102	253	989	1,475	2,513	910	310	159	102	67
15	47	53	102	270	941	1,554	2,519	876	288	156	100	66
16	48	56	96	267	894	1,554	2,469	867	278	153	99	66
17	47	57	93	253	864	1,554	2,393	846	270	153	98	64
18	46	58	97	246	824	1,629	2,287	822	265	150	96	64
19	62	58	108	251	778	1,701	2,152	795	259	149	94	63
20	61	58	143	257	717	1,744	2,039	772	253	147	93	64
21	57	58	167	257	669	1,739	1,922	749	257	144	92	62
22	64	59	162	261	621	1,696	1,890	717	265	143	92	61
23	81	58	152	265	576	1,650	1,899	691	251	140	92	60
24	93	58	133	274	543	1,633	1,922	658	242	137	92	60
25	97	55	121	306	521	1,679	1,949	630	240	136	92	59
26	97	55	111	332	496	1,718	1,895	587	238	133	91	59
27	93	62	105	342	472	1,757	1,827	538	235	130	87	58
28	91	68	105	513	460	1,770	1,761	498	230	128	85	58
29	91	70	104	760	440	1,836	1,684	465	218	128		57
30	93	72	114	891	414	1,904	1,608	431	213	126		60
31		73		1,080	401		1,575		209	124		58
Total	1,785	2,026	3,183	8,780	26,353	39,714	63,518	28,836	9,406	4,924	2,866	2,089
Mean	59.5	65.3	106	283	850	1,324	2,049	961	305	159	102	67.4
Max.	97	94	167	1,080	1,188	1,904	2,519	1,595	426	214	121	84
Min.	43	52	77	114	401	412	1,575	431	209	124	85	57
Runoff - RCM.	154.224	175.046	275.011	758.592	2,276.899	3,431.296	5,487.955	2,491.430	812.678	425.434	247.622	180.490

WATER YEAR 1932 : Max. 2,519 Min. 43 Mean 530 Annual Runoff 16,716.672 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 15	06.00	16.54	2,519				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1933
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

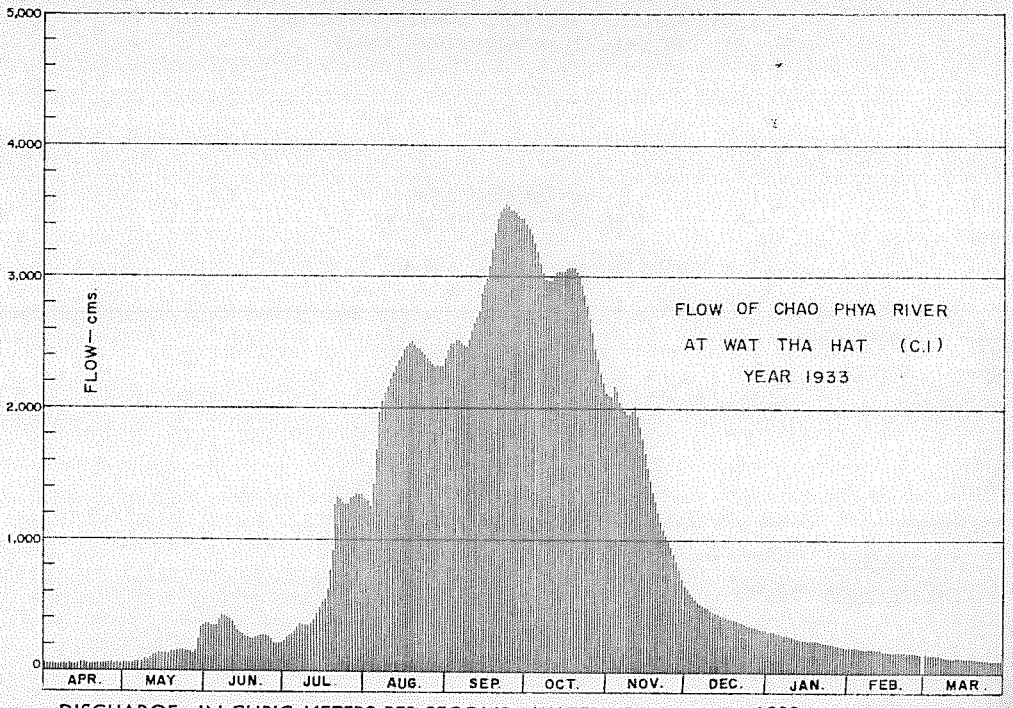
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.68	8.72	10.61	10.02	13.80	16.39	17.82	15.71	11.74	10.34	9.69	9.32
2	.68	.71	.62	.13	.79	.47	.77	.72	.62	.32	.68	.31
3	.67	.71	.55	.19	.92	.49	.71	.86	.53	.30	.66	.30
4	.67	.74	.51	.29	14.34	.53	.65	.80	.43	.26	.65	.28
5	.67	.77	.59	.38	15.05	.52	.55	.68	.35	.23	.63	.26
6	8.66	8.80	10.83	10.54	15.46	16.49	17.47	15.55	11.29	10.21	9.63	9.24
7	.66	.84	.90	.58	.66	.43	.38	.50	.22	.18	.62	.22
8	.66	.91	.86	.56	.79	.43	.32	.44	.16	.16	.61	.20
9	.65	.96	.82	.53	.99	.55	.28	.42	.12	.13	.60	.19
10	.65	9.01	.75	.54	.99	.67	.29	.46	.07	.11	.58	.18
11	8.64	9.13	10.62	10.63	16.08	16.77	17.33	15.54	11.03	10.09	9.56	9.17
12	.65	.26	.47	.74	.17	.86	.37	.38	10.99	.07	.55	.16
13	.70	.35	.33	.91	.24	.94	.38	.19	.95	.05	.53	.15
14	.72	.36	.27	11.09	.31	17.15	.38	14.97	.90	.03	.51	.14
15	.73	.35	.17	.26	.39	.26	.38	.75	.86	.01	.49	.13
16	8.72	9.37	10.12	11.35	16.44	17.36	17.40	14.44	10.82	9.98	9.47	9.11
17	.67	.35	.09	.60	.48	.53	.42	.20	.78	.96	.46	.10
18	.66	.37	.05	12.24	.50	.66	.43	13.95	.75	.94	.45	.09
19	.65	.45	.02	13.18	.45	.78	.42	.75	.71	.92	.43	.08
20	.64	.46	.09	.75	.42	.89	.38	.57	.68	.90	.42	.07
21	8.66	9.47	10.14	13.90	16.39	17.95	17.30	13.37	10.64	9.88	9.42	9.06
22	.67	.50	.17	.85	.35	.98	.20	.18	.61	.86	.44	.05
23	.69	.45	.15	.79	.31	.99	.08	.00	.58	.84	.42	.04
24	.70	.42	.11	.77	.26	.97	16.90	12.88	.55	.82	.41	.02
25	.75	.39	.02	.79	.21	.94	.74	.74	.53	.80	.39	.01
26	8.74	9.35	9.92	13.90	16.15	17.94	16.53	12.59	10.49	9.77	9.37	8.99
27	.72	.33	.86	.95	.16	.93	.34	.45	.46	.76	.36	.97
28	.72	.63	.81	.96	.16	.90	.17	.25	.44	.75	.34	.96
29	.70	10.25	.85	.97	.15	.88	.04	.05	.41	.73		.95
30	.69	.55	.93	.96	.17	.86	15.89	11.88	.38	.73		.95
31		.60		.89	.29		.77		.36	.71		.94
Mean	8.68	9.31	10.31	12.04	15.87	17.25	17.13	14.27	10.88	9.99	9.51	9.12
Max.	8.75	10.60	10.90	13.97	16.50	17.99	17.82	15.86	11.74	10.34	9.69	9.32
Min.	8.64	8.71	9.81	10.02	13.79	16.39	15.77	11.88	10.36	9.71	9.34	8.94

WATER YEAR 1933 : Max. 17.99 m. Min. 8.64 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	57	61	361	244	1,283	2,442	3,387	2,087	635	306	187	132
2	57	60	363	265	1,279	2,485	3,343	2,092	602	302	186	130
3	56	60	348	276	1,327	2,496	3,292	2,163	571	298	183	129
4	56	63	340	290	1,488	2,519	3,242	2,132	553	290	181	126
5	56	66	357	314	1,783	2,513	3,161	2,072	533	284	178	124
6	55	69	410	346	1,968	2,496	3,099	2,010	518	280	178	121
7	55	73	426	355	2,063	2,463	3,033	1,986	501	274	176	119
8	55	81	417	351	2,127	2,463	2,989	1,958	486	270	175	116
9	54	87	408	344	2,178	2,530	2,962	1,949	477	265	173	115
10	54	93	392	346	2,230	2,598	2,969	1,968	465	261	170	114
11	54	108	363	366	2,277	2,655	2,997	2,005	456	257	167	112
12	54	124	332	390	2,324	2,707	3,025	1,931	447	253	165	111
13	59	136	304	428	2,361	2,753	3,033	1,845	437	249	162	110
14	61	137	292	470	2,398	2,881	3,033	1,748	426	246	159	109
15	62	136	272	511	2,442	2,950	3,033	1,654	417	242	156	108
16	61	139	263	533	2,469	3,018	3,047	1,527	408	237	153	105
17	56	136	257	597	2,491	3,146	3,062	1,433	399	233	152	104
18	55	139	249	778	2,502	3,250	3,069	1,338	392	230	150	103
19	54	150	244	1,080	2,474	3,352	3,062	1,265	383	226	147	102
20	54	152	257	1,265	2,458	3,448	3,033	1,202	377	223	146	100
21	55	153	267	1,320	2,442	3,507	2,975	1,134	368	220	146	99
22	56	158	272	1,301	2,420	3,537	2,912	1,070	361	216	149	98
23	58	150	268	1,279	2,398	3,547	2,838	1,011	355	213	146	97
24	59	146	261	1,272	2,372	3,527	2,730	973	348	209	144	94
25	64	142	244	1,279	2,345	3,497	2,658	928	344	206	142	93
26	63	136	226	1,320	2,313	3,497	2,519	882	336	201	139	91
27	61	133	216	1,338	2,319	3,487	2,415	840	330	199	137	88
28	61	178	208	1,342	2,319	3,457	2,324	780	326	197	135	87
29	59	288	214	1,346	2,313	3,439	2,256	722	320	194		86
30	58	348	228	1,342	2,324	3,422	2,178	674	314	194		86
31		359		1,316	2,388		2,117		310	191		85
Total	1,719	4,261	9,059	23,994	67,875	90,082	89,773	45,379	13,195	7,466	4,482	3,294
Mean	57.3	137	302	774	2,189	3,003	2,896	1,513	426	241	160	106
Max.	64	359	426	1,346	2,502	3,547	3,387	2,087	635	306	187	132
Min.	54	60	208	244	1,279	2,442	2,117	674	310	191	135	85
Runoff – MCM.	148.522	368.150	782.698	2,073.082	5,864.400	7,783.085	7,756.387	3,920.746	1,140.048	645.062	387.245	284.602

WATER YEAR 1933 : Max. 3,547 Min. 54 Mean 988 Annual Runoff 31,154.026mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sept.23	06.00	17.99	3,547				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1934
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat; Amphoe Manorom, Chai Nat.

Drainage Area: 113,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-1959

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

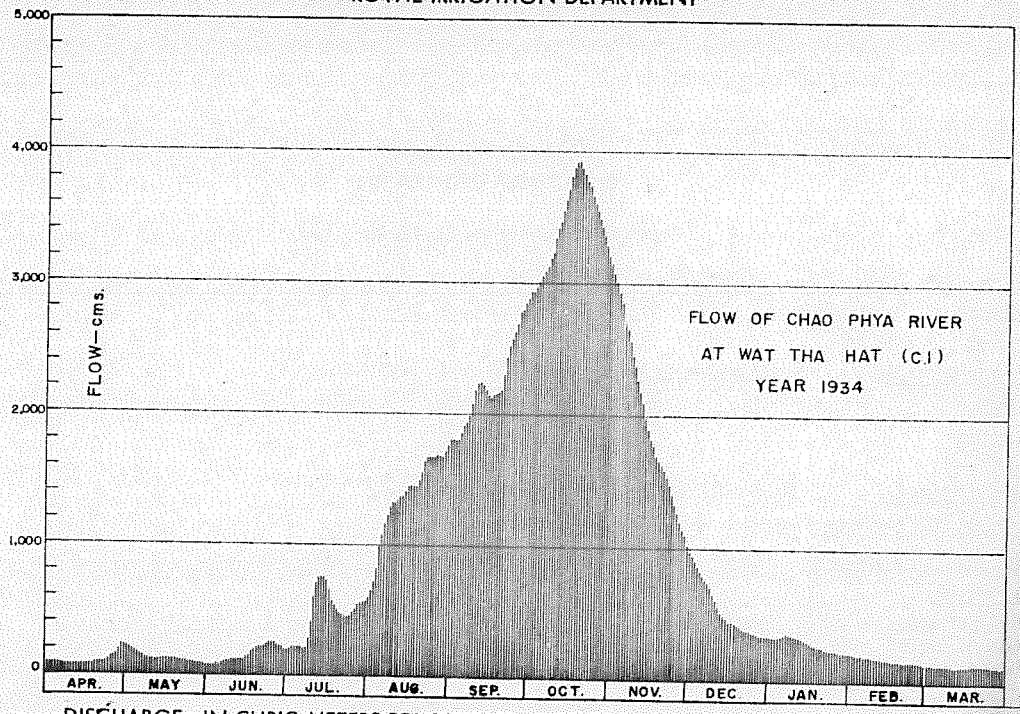
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for periods 1905-13 and 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.93	9.87	8.85	9.73	11.66	15.09	17.23	17.50	12.88	10.42	9.78	9.33
2	.92	.77	.83	.74	.87	.11	.24	.41	.75	.42	.77	.32
3	.91	.69	.83	.77	12.11	.05	.30	.31	.62	.44	.75	.31
4	.91	.63	.91	.79	.58	.12	.35	.18	.49	.47	.74	.30
5	.90	.52	.84	.80	13.02	.26	.40	.05	.37	.47	.73	.28
6	8.89	9.45	8.97	9.80	13.24	15.37	17.45	16.90	12.20	10.49	9.70	9.27
7	.88	.38	9.01	.79	.45	.42	.50	.74	.16	.56	.67	.27
8	.87	.33	.07	.82	.67	.53	.56	.56	.06	.55	.66	.25
9	.87	.26	.13	10.07	.85	.73	.64	.35	11.93	.53	.65	.24
10	.87	.23	.16	11.03	.93	.92	.76	.14	.74	.49	.63	.23
11	8.86	9.21	9.15	11.61	13.99	15.99	17.86	15.95	11.54	10.44	9.60	9.22
12	.86	.19	.13	12.07	14.02	16.00	.92	.78	.37	.40	.58	.21
13	.86	.19	.15	.14	.04	15.95	18.02	.65	.25	.36	.56	.20
14	.85	.19	.18	.16	.07	.87	.08	.39	.13	.31	.54	.20
15	.85	.24	.28	.12	.15	.81	.16	.24	.05	.27	.52	.21
16	8.83	9.25	9.42	11.97	14.22	15.77	18.23	15.09	10.98	10.22	9.51	9.23
17	.87	.24	.57	.76	.24	.83	.29	14.97	.94	.17	.48	.25
18	.89	.23	.65	.43	.24	.85	.31	.84	.89	.13	.47	.28
19	.95	.20	.75	.37	.26	.87	.31	.73	.84	.09	.46	.30
20	.97	.17	.78	.20	.39	.90	.28	.67	.79	.05	.45	.31
21	8.99	9.14	9.78	11.10	14.57	16.18	18.24	14.58	10.73	10.02	9.42	9.30
22	9.03	.11	.85	.05	.73	.43	.20	.43	.69	.00	.41	.29
23	.06	.08	.97	.02	.78	.55	.16	.27	.66	9.96	.43	.27
24	.15	.05	10.03	10.98	.80	.63	.10	.02	.62	.94	.46	.25
25	.26	.02	.04	11.07	.79	.73	.04	13.88	.58	.94	.44	.23
26	9.39	8.99	10.05	11.20	14.79	16.85	17.97	13.70	10.55	9.90	9.41	9.20
27	.48	.96	9.94	.31	.82	.98	.91	.53	.52	.87	.38	.18
28	.68	.94	.85	.38	.80	17.01	.85	.35	.48	.86	.36	.16
29	.89	.92	.78	.42	.79	.08	.77	.18	.50	.84		.14
30	.91	.89	.74	.45	.91	.14	.68	.02	.47	.82		.11
31		.87		.50	15.02		.61		.44	.80		.08
Mean	9.05	9.23	9.42	11.98	13.99	16.00	17.85	15.31	11.30	10.20	9.55	9.24
Max.	9.91	9.87	10.05	12.16	15.02	17.14	18.31	17.50	12.88	10.56	9.78	9.33
Min.	8.83	8.87	8.83	9.73	11.66	15.05	17.23	13.02	10.44	9.80	9.36	9.08

WATER YEAR 1934 : Max. 18.31 m. Min. 8.83 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	84	218	74	194	613	1,801	2,931	3,122	973	322	203	133
2	82	201	72	196	672	1,809	2,937	3,054	931	322	201	132
3	81	187	72	201	740	1,783	2,975	2,982	891	326	197	130
4	81	178	81	204	879	1,814	3,011	2,900	852	332	196	129
5	80	161	73	206	1,018	1,877	3,047	2,819	816	332	194	126
6	79	150	88	206	1,090	1,926	3,084	2,730	766	336	189	125
7	78	140	93	204	1,161	1,949	3,122	2,638	754	351	184	125
8	77	133	100	209	1,236	2,000	3,169	2,536	725	348	183	122
9	77	124	108	253	1,301	2,097	3,234	2,420	688	344	181	121
10	77	120	111	456	1,331	2,193	3,335	2,308	635	336	178	120
11	76	117	110	600	1,320	2,230	3,422	2,209	581	326	173	119
12	76	115	108	728	1,365	2,235	3,477	2,122	538	318	170	117
13	76	115	110	749	1,372	2,209	3,575	2,058	508	310	167	116
14	74	115	114	754	1,384	2,168	3,643	1,935	479	300	164	116
15	74	121	126	743	1,414	2,137	3,732	1,868	460	292	161	117
16	72	122	146	700	1,441	2,117	3,813	1,801	444	282	159	120
17	77	121	168	641	1,449	2,147	3,885	1,748	435	272	153	122
18	72	120	181	553	1,449	2,157	3,910	1,692	424	265	155	126
19	86	116	197	538	1,456	2,168	3,910	1,646	412	257	152	129
20	88	112	206	496	1,507	2,183	3,873	1,620	401	254	150	130
21	91	109	206	472	1,579	2,329	3,825	1,583	388	244	146	129
22	96	105	214	460	1,646	2,463	3,777	1,523	379	240	144	128
23	99	102	235	454	1,667	2,530	3,732	1,460	372	233	147	125
24	110	98	246	444	1,675	2,575	3,665	1,384	363	230	152	122
25	124	94	248	465	1,671	2,632	3,600	1,313	355	230	149	120
26	142	91	249	496	1,671	2,701	3,527	1,247	348	223	144	116
27	155	87	230	523	1,684	2,776	3,467	1,188	342	218	140	114
28	186	85	214	541	1,675	2,794	3,413	1,127	334	216	137	111
29	221	82	203	551	1,671	2,838	3,343	1,070	338	213		109
30	225	79	196	558	1,722	2,875	3,267	1,018	332	209		105
31		77		571	1,770		3,209		326	206		102
Total	3,023	3,795	4,579	14,366	42,629	67,513	106,914	59,121	16,590	8,707	4,669	3,756
Mean	100	122	153	463	1,375	2,250	3,449	1,971	535	281	167	121
Max.	225	218	249	754	1,770	2,875	3,910	3,122	973	351	203	133
Min.	72	77	72	194	613	1,783	2,931	1,018	326	206	137	102
Runoff - MCM.	261.187	327.888	395.626	1,241.222	3,683.146	5,833.123	9,237.340	5,108.054	1,433.376	752.285	403.402	324.518

WATER YEAR 1934 : Max. 3,912 Min. 72 Mean 920 Annual Runoff 29,001.197mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 18	06.00	18.31	3,912				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1935
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: No overbank flow.

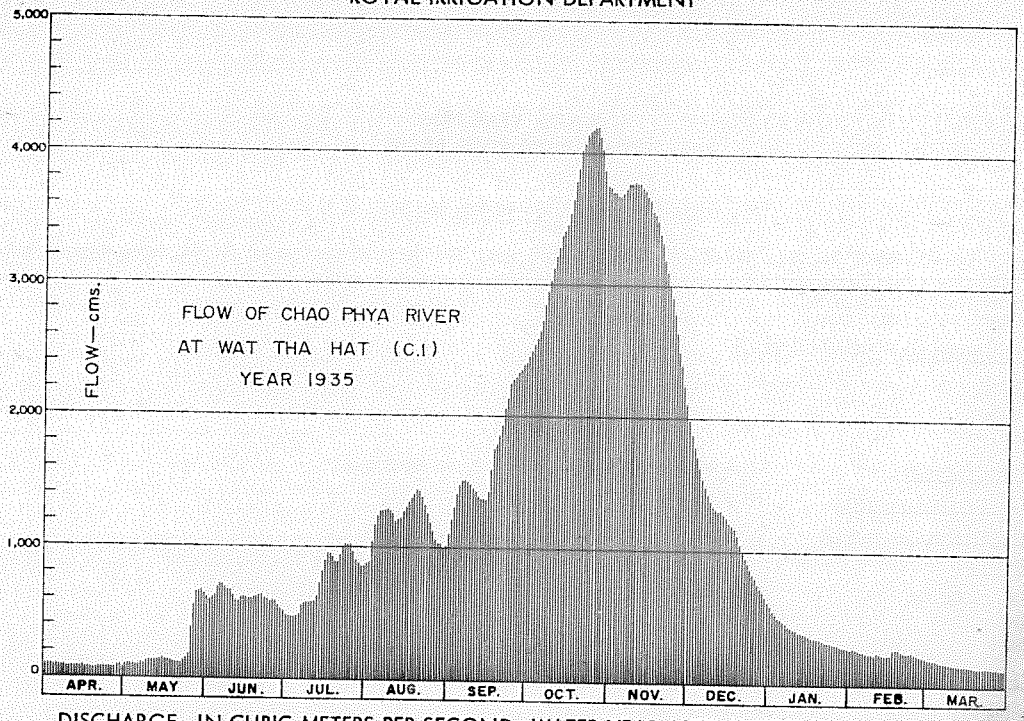
General Description: Records fair. Stage-discharge relation used is defined by mean curve of mean rating curves for period 1905-13 and period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.05	9.06	11.62	11.16	12.55	13.26	16.41	18.13	15.43	11.54	10.14	9.74
2	.03	.07	.57	.13	.71	.62	.50	.12	.19	.41	.13	.71
3	.02	.09	.62	.09	13.20	.92	.59	.11	14.98	.31	.12	.69
4	.00	.05	.74	.05	.52	14.13	.67	.10	.79	.20	.09	.65
5	8.99	.03	.91	.12	.69	.34	.78	.12	.61	.14	.06	.62
6	8.97	9.04	12.01	11.17	13.76	14.38	16.91	18.16	14.42	11.08	10.02	9.59
7	.96	.09	.03	.38	.80	.40	17.13	.19	.27	.03	9.98	.56
8	.94	.13	11.92	.46	.80	.37	.29	.19	.13	10.94	.94	.53
9	.93	.22	.86	.51	.80	.31	.40	.20	.03	.89	.91	.52
10	.92	.27	.84	.53	.76	.22	.52	.20	13.93	.85	.89	.50
11	8.91	9.33	11.71	11.55	13.72	14.15	17.64	18.19	13.86	10.80	10.05	9.48
12	.91	.33	.57	.56	.51	.09	.73	.17	.84	.76	9.96	.46
13	.91	.33	.55	.67	.61	.03	.81	.14	.82	.72	.93	.45
14	.90	.36	.66	.92	.63	.02	.85	.11	.78	.69	.91	.44
15	.90	.40	.68	12.34	.75	.02	.92	.07	.68	.66	.92	.42
16	8.89	9.37	11.63	12.65	13.88	14.16	17.98	18.01	13.60	10.60	9.95	9.40
17	.89	.31	.61	.78	.99	.53	18.06	17.97	.55	.57	10.14	.38
18	.87	.27	.62	.79	14.06	.98	.21	.91	.48	.55	.20	.37
19	.85	.22	.66	.70	.14	15.07	.27	.81	.33	.52	.15	.36
20	.84	.20	.68	.62	.21	.20	.38	.71	.18	.46	.03	.34
21	8.84	9.18	11.71	12.61	14.16	15.43	18.43	17.58	12.98	10.42	10.03	9.32
22	.83	.18	.72	.83	.05	.68	.45	.47	.84	.40	.05	.28
23	.83	.27	.63	.99	13.88	.85	.49	.31	.69	.37	.05	.28
24	.82	.42	.59	13.02	.67	16.00	.50	.14	.55	.34	.00	.28
25	.81	.62	.57	12.97	.45	.08	.51	16.92	.40	.33	9.94	.27
26	8.81	10.83	11.60	12.99	13.28	16.12	18.51	16.67	12.29	10.31	9.91	9.26
27	.89	11.53	.55	.72	.14	.19	.46	.44	.16	.27	.86	.24
28	.98	.79	.44	.59	.06	.25	.37	.97	.00	.24	.82	.22
29	9.00	.80	.33	.52	.03	.29	.26	15.92	11.94	.22	.78	.21
30	8.85	.86	.22	.47	12.96	.33	.17	.66	.83	.19		.21
31		.75		.48	13.00		.16		.67	.17		.22
Mean	8.91	9.69	11.66	12.34	13.57	14.85	17.79	17.63	13.46	10.68	10.00	9.43
Max.	9.05	11.86	12.03	13.02	14.21	16.33	18.51	18.20	15.43	11.54	10.20	9.74
Min.	8.81	9.03	11.22	11.05	12.55	13.26	16.41	15.66	11.67	10.17	9.78	9.21

WATER YEAR 1935 : Max. 18.51 m. Min. 8.81 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	98	99	602	486	870	1,097	2,452	3,699	1,954	581	267	196
2	96	100	589	479	919	1,219	2,502	3,687	1,845	548	265	191
3	94	103	602	470	1,077	1,327	2,552	3,676	1,752	523	263	187
4	92	98	635	460	1,185	1,406	2,598	3,665	1,671	496	257	181
5	91	96	683	477	1,243	1,488	2,661	3,687	1,595	482	251	176
6	88	97	711	489	1,269	1,503	2,736	3,732	1,519	467	244	171
7	87	103	717	541	1,283	1,511	2,869	3,766	1,460	456	237	167
8	85	108	686	561	1,283	1,499	2,967	3,766	1,406	435	230	162
9	84	119	669	574	1,283	1,476	3,047	3,777	1,368	424	225	161
10	88	125	663	579	1,269	1,441	3,138	3,777	1,331	414	221	158
11	81	133	627	584	1,254	1,414	3,234	3,766	1,305	403	249	155
12	81	133	589	587	1,181	1,391	3,309	3,732	1,298	394	233	152
13	81	133	584	616	1,215	1,368	3,378	3,710	1,290	385	228	150
14	80	137	613	686	1,222	1,365	3,413	3,676	1,276	379	225	149
15	80	143	619	807	1,265	1,365	3,477	3,633	1,240	372	226	146
16	79	139	605	900	1,313	1,418	3,537	3,568	1,212	357	231	143
17	79	130	600	941	1,353	1,562	3,622	3,527	1,195	353	267	140
18	77	125	602	944	1,380	1,752	3,789	3,467	1,171	348	278	139
19	74	119	613	916	1,410	1,792	3,861	3,378	1,120	342	268	137
20	73	116	619	891	1,437	1,850	3,999	3,292	1,070	330	246	135
21	73	114	629	888	1,418	1,954	4,070	3,185	1,005	322	246	132
22	72	114	630	957	1,376	2,072	4,100	3,099	960	318	249	126
23	72	125	605	1,008	1,313	2,157	4,160	2,982	913	312	249	126
24	71	146	594	1,018	1,236	2,235	4,175	2,875	870	306	240	126
25	70	176	589	1,001	1,161	2,277	4,190	2,742	825	304	230	125
26	70	410	597	1,008	1,103	2,298	4,190	2,598	792	300	225	124
27	79	579	584	922	1,057	2,335	4,115	2,469	754	292	216	121
28	90	649	556	862	1,031	2,366	3,987	2,377	708	286	209	119
29	92	652	528	861	1,021	2,388	3,849	2,193	691	282	203	117
30	74	669	501	846	998	2,409	3,743	2,063	660	276		117
31		638		849	1,011		3,732		616	272		119
Total	2,445	6,628	18,441	23,228	37,436	51,735	107,454	99,564	36,872	11,761	6,978	4,548
Mean	81.5	214	615	749	1,208	1,724	3,466	3,319	1,189	379	241	147
Max.	98	669	717	1,018	1,437	2,409	4,190	3,777	1,954	581	278	196
Min.	70	96	501	460	870	1,097	2,452	2,063	616	272	203	117
Runoff — mcm.	211.248	572.659	1,593.302	2,006.899	3,234.470	4,469.904	9,284.026	8,602.330	3,185.741	1,016.150	602.899	392.947

WATER YEAR 1935 : Max. 4,190 Min. 70 Mean 1,112 Annual Runoff 35,172.576 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct.26	18.00	18.52	4,190				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1936
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage.

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55

Rated by Float: 1905-13

Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

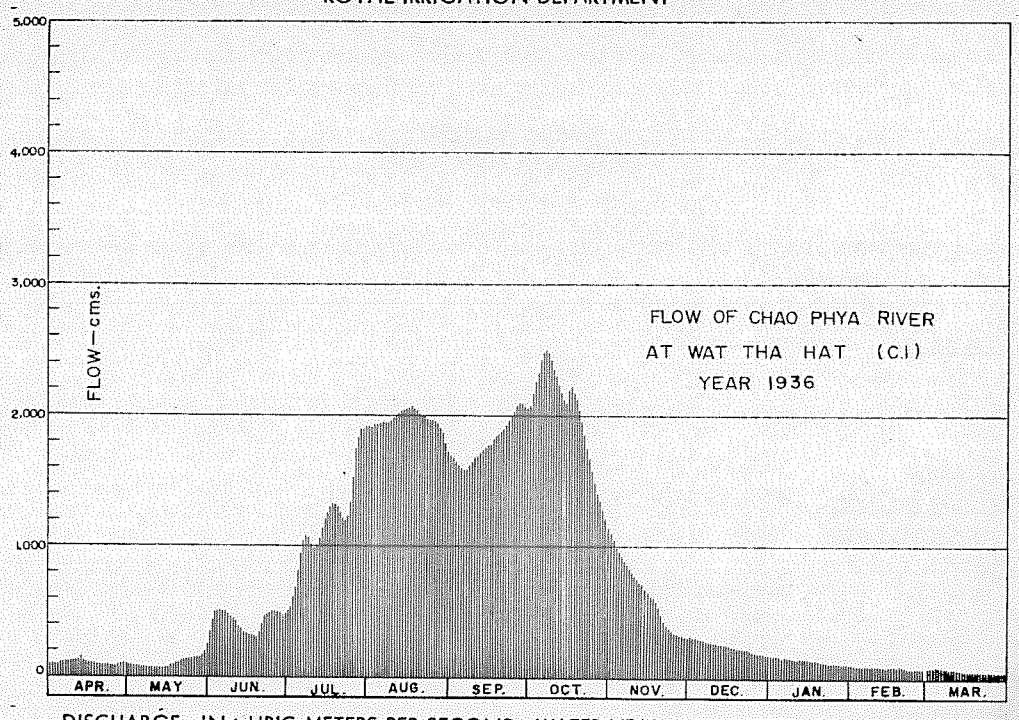
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.23	9.24	10.80	11.46	15.43	14.92	15.77	13.39	10.60	9.81	9.30	9.01
2	.22	.21	11.22	.64	.43	.87	.93	.25	.57	.78	.28	.06
3	.23	.18	.45	.89	.47	.80	16.12	.11	.55	.77	.27	.12
4	.25	.14	.46	12.24	.47	.76	.26	.01	.53	.74	.25	.16
5	.27	.11	.44	.72	.47	.71	.42	12.92	.50	.72	.24	.17
6	9.32	9.08	11.47	13.08	15.49	14.68	16.55	12.82	10.46	9.71	9.23	9.14
7	.32	.05	.44	.32	.49	.69	.59	.71	.45	.69	.22	.11
8	.34	.05	.34	.38	.48	.74	.54	.62	.42	.69	.21	.06
9	.35	.04	.29	.25	.51	.81	.44	.52	.40	.68	.20	.04
10	.38	.03	.24	.11	.55	.90	.31	.40	.38	.67	.19	.03
11	9.42	9.05	11.13	13.10	15.60	14.94	16.20	12.34	10.34	9.65	9.22	9.00
12	.41	.03	10.96	.14	.63	.97	.06	.26	.31	.64	.18	8.97
13	.49	.02	.84	.28	.67	15.03	15.92	.17	.29	.62	.16	.95
14	.35	.00	.76	.52	.69	.06	.81	.09	.28	.60	.15	.91
15	.34	.04	.72	.73	.71	.10	.79	.01	.25	.60	.20	.89
16	9.32	9.09	10.68	13.86	15.73	15.12	16.01	11.94	10.23	9.58	9.26	8.88
17	.30	.17	.65	.97	.75	.20	.04	.86	.20	.55	.24	.86
18	.27	.23	.61	14.03	.72	.26	15.94	.75	.17	.55	.17	.85
19	.25	.31	.58	.02	.67	.29	.82	.61	.15	.53	.14	.83
20	.23	.39	.74	13.94	.63	.33	.62	.40	.12	.51	.12	.83
21	9.23	9.48	11.06	13.81	15.58	15.40	15.42	11.15	10.10	9.50	9.11	8.82
22	.23	.53	.29	.71	.58	.46	.19	.00	.08	.48	.09	.81
23	.21	.57	.39	.70	.55	.53	14.99	10.90	.05	.45	.08	.79
24	.20	.60	.42	.83	.54	.60	.79	.82	.01	.43	.06	.78
25	.19	.60	.47	14.17	.53	.70	.58	.75	9.98	.41	.04	.80
26	9.19	9.61	11.44	14.51	15.51	15.78	14.38	10.71	9.95	9.40	9.03	8.76
27	.25	.64	.43	15.09	.48	.80	.21	.68	.92	.38	.02	.75
28	.31	.69	.40	.27	.40	.78	.03	.64	.90	.39	.01	.73
29	.33	.80	.33	.36	.28	.74	13.87	.61	.87	.34		.72
30	.29	.96	.39	.39	.14	.72	.72	.59	.84	.34		.72
31		10.29		.41	.03		.57		.82	.32		.72
Mean	9.29	9.30	11.15	13.65	15.52	15.19	15.51	11.93	10.22	9.56	9.17	8.91
Max.	9.49	10.29	11.47	15.41	15.75	15.80	16.59	13.39	10.60	9.81	9.30	9.17
Min.	9.19	9.00	10.58	11.46	15.03	14.68	13.57	10.59	9.82	9.32	9.01	8.72

WATER YEAR 1936 : Max. 16.59 m. Min. 8.72 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	95	94	354	507	1,914	1,686	2,075	1,091	311	171	101	70
2	94	91	447	554	1,914	1,664	2,155	1,043	305	167	99	75
3	95	88	504	623	1,932	1,635	2,250	996	301	165	98	81
4	99	83	507	724	1,932	1,618	2,320	963	297	161	95	86
5	103	80	502	868	1,932	1,597	2,402	934	291	158	94	87
6	112	77	509	986	1,941	1,585	2,470	901	284	156	93	83
7	112	74	502	1,067	1,941	1,589	2,491	865	282	153	92	80
8	116	74	477	1,088	1,937	1,610	2,465	836	277	153	91	75
9	118	73	464	1,043	1,951	1,639	2,413	806	273	152	90	73
10	125	72	452	996	1,969	1,677	2,345	770	269	150	89	72
11	135	74	427	993	1,993	1,694	2,290	753	262	147	92	69
12	132	72	389	1,006	2,007	1,707	2,220	729	257	146	88	66
13	155	71	363	1,053	2,026	1,733	2,150	703	253	143	86	64
14	118	69	345	1,137	2,035	1,747	2,095	680	251	140	84	60
15	116	73	336	1,211	2,045	1,765	2,085	657	246	140	90	58
16	112	78	328	1,260	2,055	1,774	2,195	637	242	137	97	57
17	108	87	321	1,302	2,065	1,810	2,210	615	237	133	94	55
18	103	93	313	1,326	2,050	1,837	2,160	584	232	133	87	54
19	99	102	307	1,322	2,026	1,850	2,100	546	228	130	83	52
20	95	112	341	1,291	2,007	1,868	2,002	492	223	127	81	52
21	95	123	411	1,241	1,984	1,900	1,909	431	219	126	80	51
22	95	130	464	1,204	1,984	1,928	1,805	398	215	123	78	50
23	92	136	489	1,200	1,969	1,960	1,716	376	210	119	77	48
24	90	140	497	1,248	1,965	1,993	1,627	358	203	117	75	47
25	89	140	509	1,380	1,960	2,040	1,543	343	198	114	73	49
26	89	141	502	1,514	1,951	2,080	1,462	334	193	113	72	45
27	95	146	499	1,760	1,937	2,090	1,396	328	188	111	71	44
28	102	153	492	1,841	1,900	2,080	1,326	319	185	108	70	43
29	105	170	474	1,882	1,846	2,060	1,264	313	180	106		42
30	100	195	489	1,895	1,783	2,050	1,207	309	176	106		42
31		253		1,905	1,733		1,154		173	103		42
Total	3,194	3,364	13,014	37,427	60,734	54,266	61,302	19,110	7,467	4,208	2,420	1,872
Mean	106	108	434	1,207	1,959	1,809	1,977	637	241	135	86.4	60.4
Max.	2,491	253	509	507	2,065	2,090	2,491	1,091	311	171	101	87
Min.	89	69	307	1,905	1,733	1,585	1,154	309	173	103	70	42
Runoff – mcm.	275.962	290.630	1,124.410	3,233.692	5,247.418	4,688.582	5,296.493	1,651.104	644.630	363.571	209.088	161.741

WATER YEAR 1936 : Max. 2,491 Min. 42 Mean 735 Annual Runoff 23,187.341 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 7	18.00	16.59	2,491				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1937
CHAO PHYA RIVER BASIN

Chao Phya River at Wat Tha Hat, Chai Nat (C. 1)

Location: Lat. 15°-16'-17" N., Long. 100°-03'-44" E., on left bank about 300 meters upstream from Wat Tha Hat, Amphoe Manorom, Chai Nat.

Drainage Area: 118,816 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: + 19.370 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1905-59

Rating Operation:

Period of Rating: 1905-13, 1947-55
Rated by Float: 1905-13
Rated by Current Meter: 1947-55

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

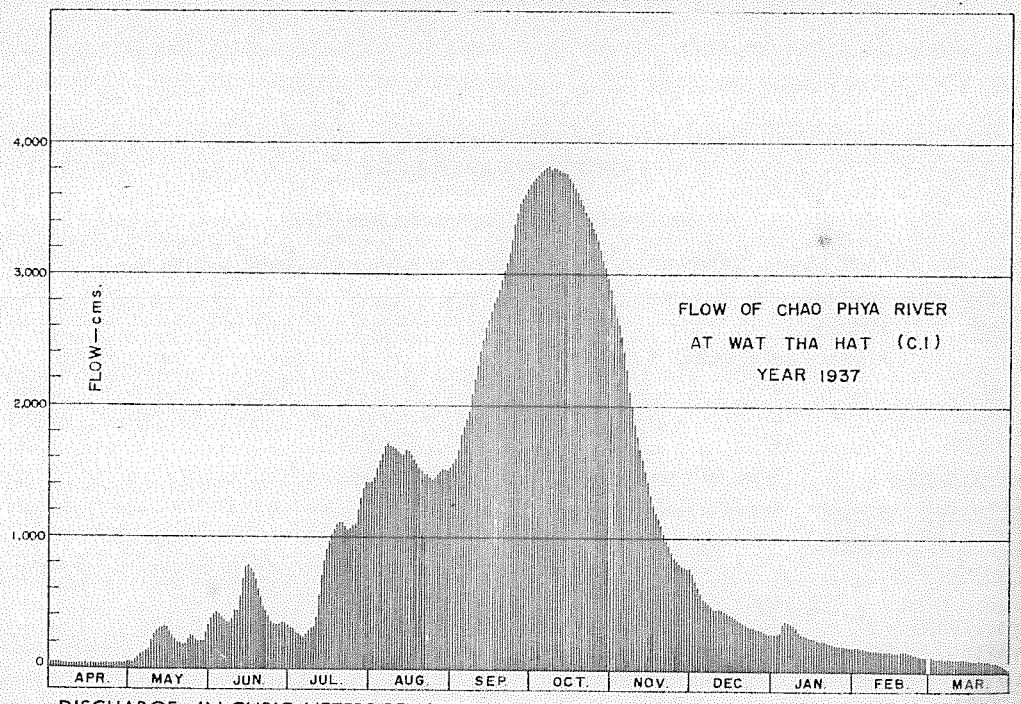
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by mean rating curve for period 1947-55. No state diversions above gage site.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.72	8.78	10.97	10.64	14.32	14.66	18.34	17.11	12.26	10.41	9.80	9.30
2	.74	.84	11.08	.55	.42	.76	.36	16.94	.05	.42	.79	.28
3	.75	.97	.13	.43	.55	.91	.38	.74	11.85	.51	.77	.26
4	.72	9.18	.04	.33	.67	15.16	.40	.51	.68	.77	.76	.25
5	.70	.33	10.97	.24	.78	.31	.41	.27	.55	.85	.73	.23
6	8.68	9.44	10.87	10.20	14.91	15.41	18.42	15.99	11.44	10.83	9.71	9.22
7	.66	.50	.76	.27	.96	.56	.43	.74	.37	.79	.69	.21
8	.65	.72	.78	.47	.95	.83	.41	.52	.31	.71	.67	.19
9	.65	10.00	.96	.63	.91	16.07	.42	.27	.27	.62	.66	.18
10	.67	.27	11.22	.61	.88	.28	.41	.06	.26	.49	.66	.17
11	8.69	10.46	11.55	10.93	14.82	16.46	18.41	14.83	11.26	10.42	9.65	9.16
12	.66	.57	.78	11.68	.77	.62	.40	.61	.25	.36	.63	.15
13	.65	.64	12.19	12.20	.78	.79	.39	.39	.18	.30	.61	.14
14	.64	.65	.42	.59	.87	.87	.38	.20	.13	.25	.60	.12
15	.65	.57	.44	.86	.86	.98	.34	13.99	.09	.22	.59	.11
16	8.63	10.37	12.36	13.06	14.76	17.11	18.31	13.78	11.05	10.19	9.58	9.10
17	.63	.20	.29	.22	.67	.18	.28	.62	10.97	.16	.57	.08
18	.62	.08	.05	.33	.58	.28	.23	.49	.91	.14	.59	.07
19	.60	9.98	11.77	.42	.53	.38	.18	.34	.85	.12	.62	.06
20	.58	.89	.50	.45	.48	.49	.14	.18	.76	.09	.61	.05
21	8.57	9.86	11.25	13.44	14.42	17.63	18.08	13.03	10.71	10.06	9.57	9.04
22	.57	.91	.07	.32	.39	.74	.04	12.87	.68	.03	.53	.03
23	.58	10.21	10.91	.27	.34	.85	.00	.75	.65	9.99	.47	.01
24	.58	.28	.76	.32	.30	.98	17.95	.65	.61	.97	.43	8.99
25	.60	.21	.69	.39	.33	18.08	.89	.55	.59	.94	.38	.96
26	8.62	10.09	10.69	13.44	14.43	18.15	17.80	12.48	10.55	9.92	9.34	8.96
27	.63	.05	.71	.86	.49	.19	.70	.44	.50	.90	.33	.95
28	.66	.03	.75	14.09	.51	.24	.60	.41	.47	.88	.32	.94
29	.69	.05	.76	.19	.51	.28	.48	.38	.43	.85		.93
30	.72	.39	.72	.26	.51	.31	.34	.38	.42	.83		.92
31		.76		.27	.57		.26		.41	.81		.91
Mean	8.65	9.91	11.25	12.32	14.59	16.82	18.13	14.22	11.05	10.25	9.59	9.09
Max.	8.75	10.76	12.44	14.27	14.96	18.31	18.43	17.11	12.26	10.85	9.80	9.30
Min.	8.57	8.78	10.69	10.20	14.30	14.66	17.26	12.38	10.41	9.81	9.32	8.91

WATER YEAR 1937 : Max. 18.43 m. Min. 8.57 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	42	47	391	319	1,439	1,576	3,717	2,781	729	275	170	101
2	44	53	416	301	1,478	1,618	3,758	2,683	668	277	168	99
3	45	66	427	278	1,530	1,681	3,759	2,572	612	293	165	97
4	42	88	407	260	1,580	1,792	3,780	2,449	565	347	164	95
5	40	105	391	244	1,627	1,859	3,792	2,325	530	365	159	93
6	38	118	369	237	1,681	1,905	3,804	2,185	502	361	156	92
7	37	126	345	250	1,703	1,974	3,816	2,060	484	352	153	91
8	36	158	350	286	1,698	2,105	3,792	1,955	469	334	150	89
9	36	201	389	317	1,681	2,225	3,804	1,841	459	315	149	88
10	38	250	447	315	1,669	2,330	3,792	1,747	457	289	149	87
11	38	284	530	383	1,643	2,423	3,792	1,648	457	277	147	86
12	37	305	592	565	1,622	2,507	3,780	1,555	454	266	144	84
13	36	319	709	712	1,627	2,599	3,769	1,466	438	255	141	83
14	35	321	776	827	1,664	2,643	3,759	1,392	427	246	140	81
15	36	309	782	914	1,660	2,706	3,717	1,310	418	241	139	80
16	34	268	758	980	1,618	2,781	3,685	1,230	409	235	137	79
17	34	237	758	1,035	1,580	2,823	3,655	1,172	391	230	136	77
18	34	215	668	1,070	1,543	2,883	3,605	1,126	378	226	139	76
19	32	198	590	1,102	1,522	2,947	3,556	1,074	365	223	143	75
20	31	185	517	1,112	1,502	3,018	3,518	1,019	345	217	141	74
21	30	179	454	1,109	1,478	3,113	3,463	970	334	212	136	73
22	30	187	413	1,067	1,466	3,192	3,429	917	328	206	130	72
23	31	239	378	1,050	1,447	3,276	3,395	878	321	199	127	70
24	31	251	345	1,067	1,431	3,379	3,355	846	313	196	117	68
25	32	239	330	1,091	1,442	3,463	3,307	815	309	191	111	65
26	34	217	330	1,109	1,482	3,527	3,238	794	301	188	106	65
27	34	210	334	1,260	1,506	3,565	3,162	782	291	185	105	64
28	37	206	343	1,349	1,514	3,615	3,092	773	286	182	105	63
29	39	210	345	1,388	1,514	3,655	3,012	764	278	177		62
30	42	271	336	1,415	1,514	3,685	2,921	764	277	174		61
31		345		1,419	1,539		2,871		275	171		60
Total	1,085	6,401	14,200	24,827	48,400	80,865	109,875	43,893	12,870	7,705	3,920	2,450
Mean	36.2	206	473	801	1,561	2,695	3,544	1,463	415	248	140	79.0
Max.	45	345	782	1,419	1,669	3,685	3,816	2,781	729	365	170	101
Min.	30	47	330	237	1,431	1,576	2,871	764	275	171	105	60
Runoff - mcm.	93.744	553.046	1,226.880	2,145.053	4,181.760	6,986.736	9,493.200	3,792.355	1,111.968	665.712	338.688	211.680

WATER YEAR 1937 : Max. 3,816 Min. 30 Mean 977 Annual Runoff 3,080.822 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct.7	18.00	18.43	3,816				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang,Ang Thong.

Drainage Area: Flood Plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1931 to date.

Rating Operation:

Period of Rating: 1955

Rated by Float: -

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.). Flow data represents channel flow only.

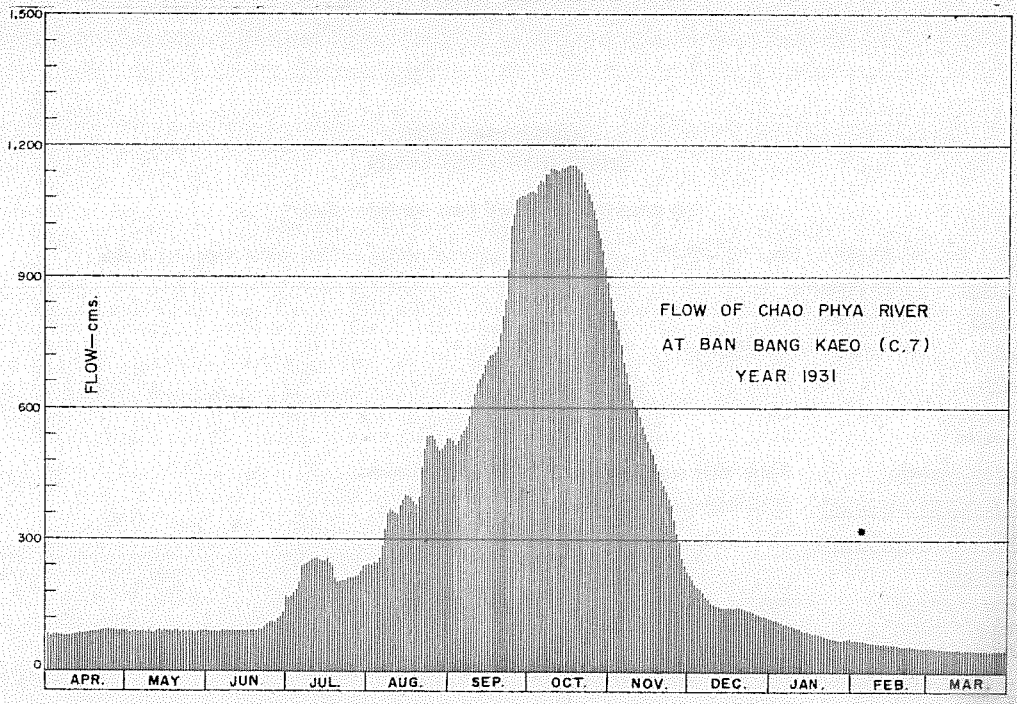
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.84	1.95	1.93	2.62	3.17	4.66	6.32	5.79	3.01	2.24	1.73	1.51
2	.84	.90	.95	.65	.18	.62	.32	.70	2.90	.23	.75	.51
3	.84	.93	.95	.70	.20	.60	.32	.64	.84	.20	.73	.50
4	.84	.94	.90	.76	.20	.64	.35	.56	.30	.17	.73	.50
5	.83	.92	.90	.94	.26	.70	.36	.47	.75	.14	.72	.50
6	1.83	1.90	1.95	3.15	3.44	4.75	6.36	5.34	2.71	2.11	1.69	1.49
7	.83	.93	.93	.17	.71	.81	.39	.23	.64	.08	.67	.48
8	.83	.91	.95	.19	.86	.89	.39	.16	.60	.08	.65	.47
9	.83	.95	.97	.20	.90	.98	.41	.04	.54	.07	.62	.47
10	.84	.93	.97	.24	.88	5.09	.41	4.96	.51	.05	.62	.47
11	1.85	1.91	1.95	3.25	3.85	5.18	6.40	4.91	2.50	2.02	1.62	1.46
12	.86	.89	.98	.25	.85	.22	.40	.83	.47	1.99	.61	.46
13	.87	.94	.95	.23	.97	.27	.41	.77	.47	.91	.61	.45
14	.87	.92	.95	.20	4.04	.33	.41	.69	.45	.96	.61	.45
15	.88	.94	.94	.21	.08	.38	.42	.63	.45	.94	.60	.45
16	1.89	1.95	1.96	3.27	4.06	5.41	6.42	4.57	2.45	1.91	1.60	1.44
17	.90	.95	.97	.19	.04	.42	.42	.48	.45	.90	.59	.44
18	.92	.93	.97	.15	3.99	.44	.42	.38	.45	.88	.58	.44
19	.92	.97	.97	2.95	.95	.49	.41	.31	.45	.88	.57	.43
20	.93	.94	.98	.90	4.02	.58	.40	.24	.45	.86	.56	.43
21	1.94	1.91	1.98	2.90	4.36	5.72	6.37	4.16	2.44	1.84	1.55	1.43
22	.96	.95	2.03	.91	.59	.85	.34	.08	.42	.82	.55	.43
23	.95	.93	.10	.93	.69	6.02	.32	3.99	.41	.80	.54	.42
24	.95	.90	.15	.95	.70	.18	.29	.85	.39	.79	.54	.42
25	.94	.94	.17	.96	.69	.24	.25	.68	.38	.78	.53	.42
26	1.96	1.92	2.15	2.96	4.64	6.29	6.20	3.57	2.35	1.76	1.53	1.42
27	.93	.91	.20	.98	.58	.30	.15	.45	.33	.75	.53	.41
28	.94	.93	.25	3.00	.54	.31	.11	.20	.31	.74	.53	.41
29	.95	.94	.35	.08	.57	.31	.03	.15	.29	.74	.53	.41
30	.93	.95	.67	.15	.61	.32	5.97	.09	.27	.77		.41
31		.95		.15	.68		.89		.26	.77		.41
Mean	1.89	1.93	2.03	3.04	4.04	5.43	6.31	4.53	2.51	1.94	1.61	1.45
Max.	1.96	1.95	2.67	3.95	4.70	6.32	6.42	5.79	3.01	2.24	1.75	1.51
Min.	1.83	1.89	1.90	2.62	3.17	4.60	5.89	3.09	2.26	1.74	1.53	1.41

WATER YEAR 1931 : Max. 6.42 m. Min. 1.51 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	82	91	90	166	243	529	1,094	839	219	120	72	55
2	82	87	91	169	245	520	1,094	810	203	119	74	55
3	82	90	91	176	248	515	1,094	791	195	116	72	54
4	82	91	87	184	248	524	1,111	766	189	113	72	54
5	81	89	87	209	258	538	1,117	739	182	110	72	54
6	81	87	91	240	287	550	1,117	700	177	107	69	53
7	81	90	90	243	334	564	1,134	669	168	104	68	53
8	81	88	91	246	361	584	1,134	651	163	104	66	52
9	81	91	93	248	369	605	1,146	620	156	103	64	52
10	82	90	93	254	365	632	1,146	600	152	101	64	52
11	82	88	91	256	359	656	1,140	588	151	98	64	51
12	83	86	94	256	359	666	1,140	569	147	95	63	51
13	84	91	91	253	382	680	1,146	555	147	88	63	50
14	84	89	91	248	396	697	1,146	536	145	92	63	50
15	85	91	91	250	404	712	1,152	522	145	91	62	50
16	86	91	92	259	400	721	1,152	508	145	88	62	50
17	87	91	93	246	396	724	1,152	488	145	87	61	50
18	89	90	93	240	386	730	1,152	467	145	85	60	50
19	89	93	93	210	378	745	1,146	452	145	85	60	49
20	90	91	94	203	392	772	1,140	437	145	83	59	49
21	91	88	94	203	463	816	1,123	421	144	82	58	49
22	92	91	99	204	513	858	1,105	404	141	80	58	49
23	91	90	106	207	536	934	1,094	386	140	78	57	48
24	91	87	111	210	538	1,016	1,076	378	138	77	57	48
25	91	91	113	212	536	1,048	1,054	328	137	76	56	48
26	92	89	111	212	524	1,076	1,026	309	133	75	56	48
27	90	88	116	215	510	1,082	1,000	288	131	74	56	48
28	91	90	121	218	501	1,088	979	248	128	73	56	48
29	91	91	133	230	508	1,088	939	240	126	73	56	48
30	90	91	172	240	517	1,094	909	231	124	76		48
31		91		240	533		872		123	76		48
Total	2,584	2,782	3,003	6,947	12,489	22,764	33,830	15,540	4,729	2,829	1,820	1,564
Mean	86.1	89.7	100	224	403	759	1,091	518	152	912	627	50.4
Max.	92	91	172	378	538	1,094	1,152	839	219	120	74	55
Min.	81	86	87	116	243	515	872	231	123	73	56	48
Runoff - mcm.	223.258	240.365	259.459	600.221	1,079.050	1,966.810	2,922.912	1,342.656	408.586	244.426	157.248	135.130

WATER YEAR 1931 : Max. 1,152 Min. 48 Mean 303 Annual Runoff 9,580.118 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 18	18.00	6.42	1,152				

WATER YEAR 1932
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood Plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1930 to date.

Rating Operation:

Period of Rating: 1955

Rated by Float: -

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.)
Flow data represents channel flow only.

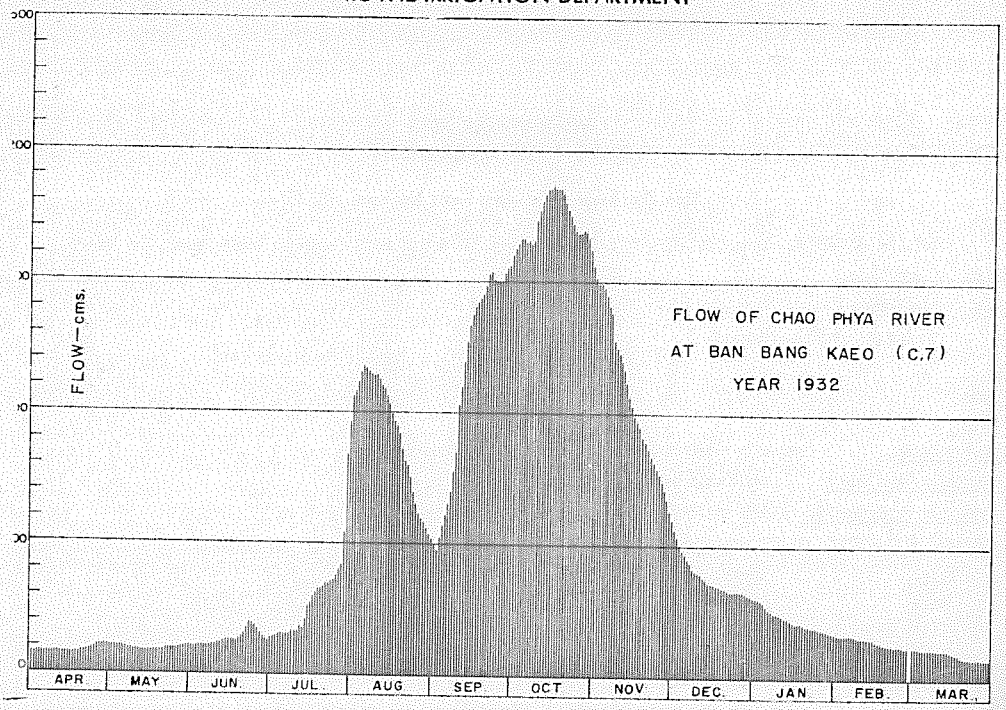
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.40	1.61	1.60	1.88	5.11	3.51	6.11	5.96	3.68	2.74	2.05	1.72
2	.40	.61	.60	.87	.17	.45	.13	.94	.59	.72	.05	.71
3	.40	.60	.60	.90	.24	.63	.15	.94	.50	.69	.04	.70
4	.41	.59	.62	.94	.32	.76	.15	.92	.43	.63	.04	.70
5	.40	.59	.62	.95	.35	.93	.13	.88	.39	.58	.04	.69
6	1.39	1.58	1.62	1.95	5.32	4.07	6.14	5.81	3.31	2.53	2.03	1.67
7	.39	.56	.62	.91	.31	.20	.12	.75	.26	.50	.03	.66
8	.39	.54	.64	.96	.29	.41	.15	.56	.19	.48	.01	.66
9	.39	.53	.65	2.02	.28	.67	.22	.50	.14	.46	1.99	.65
10	.40	.50	.67	.02	.29	5.04	.28	.45	.14	.44	.97	.65
11	1.40	1.50	1.70	2.01	5.25	5.25	6.31	5.38	3.11	2.40	1.96	1.64
12	.40	.49	.72	.04	.20	.44	.33	.27	.05	.38	.96	.64
13	.39	.49	.75	.10	.18	.56	.35	.16	.01	.35	.95	.64
14	.38	.48	.80	.27	.09	.66	.35	.08	2.96	.34	.94	.63
15	.39	.47	.80	.56	.02	.75	.36	4.99	.96	.30	.92	.59
16	1.39	1.47	1.78	2.60	4.95	5.81	6.35	4.91	2.95	2.29	1.89	1.55
17	.39	.46	.78	.69	.86	.84	.35	.87	.94	.28	.86	.52
18	.39	.48	.75	.78	.79	.86	.37	.81	.92	.27	.83	.50
19	.40	.48	.82	.86	.69	.90	.33	.72	.90	.25	.81	.46
20	.45	.49	.88	.85	.59	.95	.29	.68	.89	.23	.80	.42
21	1.45	1.50	1.94	2.89	4.47	5.99	6.26	4.64	2.87	2.22	1.79	1.39
22	.46	.52	2.10	.94	.34	6.00	.24	.54	.85	.20	.79	.39
23	.47	.52	.24	.94	.21	5.96	.20	.48	.85	.18	.78	.39
24	.50	.53	.19	.96	.09	.94	.17	.40	.85	.18	.76	.39
25	.56	.54	.18	.99	3.98	.94	.17	.36	.84	.17	.75	.40
26	1.62	1.54	2.07	3.06	3.89	5.95	6.17	4.27	2.84	2.15	1.75	1.40
27	.63	.55	1.95	.16	.84	.99	.18	.16	.83	.15	.73	.40
28	.62	.57	.84	.25	.79	6.02	.17	.05	.81	.13	.72	.40
29	.62	.57	.82	.72	.70	.04	.13	3.94	.79	.10	-	.39
30	.61	.59	.80	4.45	.63	.08	.09	.79	.77	.08	-	.39
31	-	.60	-	.84	.58	-	.00	-	.75	.06	-	.40
Mean	1.45	1.53	1.80	2.64	4.70	5.25	6.22	5.01	3.04	2.34	1.90	1.54
Max.	1.63	1.61	2.24	4.84	5.35	6.03	6.37	5.96	3.68	2.74	2.05	1.72
Min.	1.40	1.46	1.60	1.87	3.53	3.45	6.00	3.79	2.75	2.06	1.72	1.39

WATER YEAR 1932 : Max. 6.37 m. Min. 1.39 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	47	63	62	85	638	299	979	904	328	181	101	72
2	47	63	62	84	653	288	990	895	312	178	101	71
3	47	62	62	87	672	319	1,000	895	297	175	100	70
4	48	61	64	91	694	343	1,000	885	285	167	100	70
5	47	61	64	91	703	375	990	868	278	161	100	69
6	46	60	64	91	694	402	994	845	266	155	99	68
7	46	59	64	89	691	429	984	826	258	151	99	67
8	46	57	65	92	685	473	1,000	766	246	149	97	67
9	46	56	66	98	683	531	1,037	748	239	146	95	66
10	47	54	68	98	685	620	1,071	733	239	144	93	66
11	47	54	70	97	674	674	1,088	712	234	139	92	65
12	47	53	72	100	661	730	1,099	680	225	137	92	65
13	46	53	74	106	656	766	1,111	651	219	133	91	65
14	46	53	78	124	632	797	1,111	630	212	132	91	64
15	46	52	78	158	615	826	1,117	608	212	127	89	61
16	46	52	76	163	598	845	1,111	588	210	126	86	58
17	45	51	76	175	576	855	1,111	579	209	125	83	56
18	46	53	74	186	560	862	1,123	564	206	124	81	54
19	47	53	80	197	536	875	1,099	543	203	121	79	51
20	50	53	85	196	513	899	1,076	533	202	119	78	48
21	50	54	91	202	486	919	1,060	524	199	118	77	46
22	51	56	106	209	458	924	1,048	501	196	116	77	46
23	52	56	120	209	431	904	1,026	488	196	114	76	46
24	54	56	115	212	406	895	1,010	471	196	114	75	46
25	59	57	114	216	384	895	1,010	463	195	113	74	47
26	64	57	103	227	367	899	1,010	444	195	112	74	47
27	64	58	91	242	358	919	1,016	421	193	111	72	47
28	64	60	82	256	348	934	1,010	398	190	109	72	47
29	64	60	80	336	332	944	990	377	188	106		46
30	63	61	78	481	319	964	969	348	185	104		46
31		62		572	311		924		182	102		47
Total	1,519	1,760	2,384	5,570	17,019	21,405	32,164	18,888	6,995	4,109	2,444	1,784
Mean	50.6	56.8	79.5	180	549	713	1,037	630	226	132	87.3	57.5
Max.	64	63	120	572	703	964	1,123	904	328	181	101	72
Min.	46	51	62	84	311	288	924	348	182	102	72	46
Runoff - mcm.	131.242	152.064	205.978	481.248	1,470.442	1,849.392	2,778.970	1,631.923	604.368	355.018	211.162	154.138

WATER YEAR 1932 : Max. 1,123 Min. 46 Mean 318 Annual Runoff 10,025.942 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 18	18.00	6.37	1,123				

WATER YEAR 1933
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood Plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1930 to date.

Rating Operation:

Period of Rating: 1955

Rated by Float: –

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.)
Flow data represents channel flow only.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No upstream state diversions except those built by local residents. No adjustments made for virgin flow.

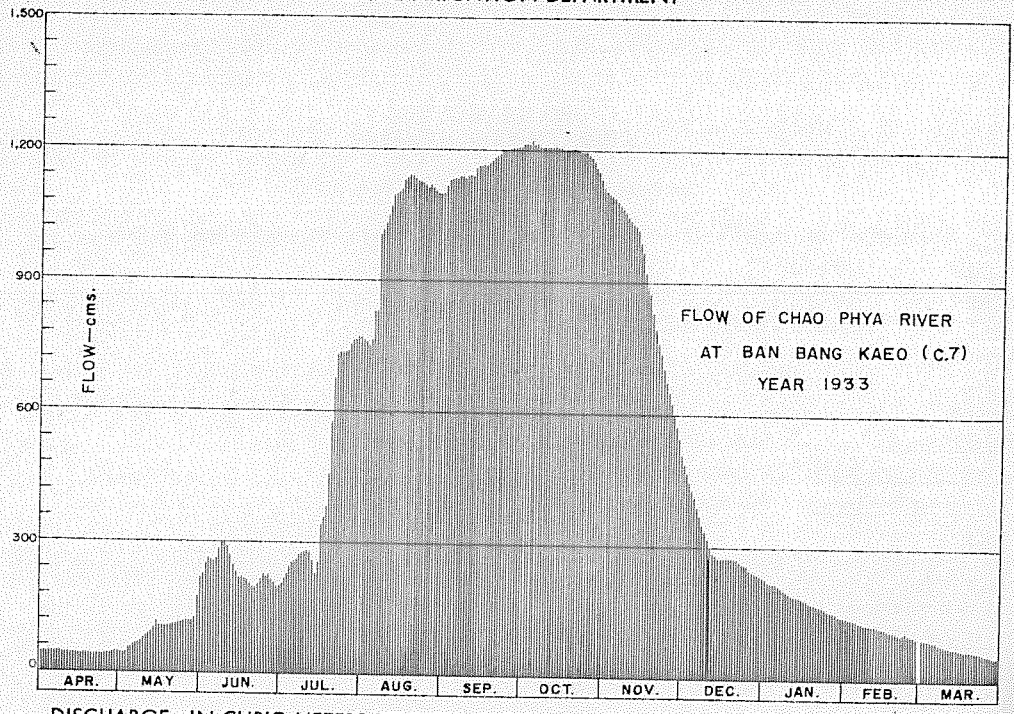
Remark: * Discharge estimated.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.38	1.37		2.90	5.54	6.36	6.52	6.34	4.47	3.04	2.40	1.97
2	.38	.34	3.22	3.00	.53	.38	.52	.33	.37	.01	.38	.96
3	.37	.38	.29	.09	.51	.39	.53	.32	.25	.00	.37	.93
4	.37	.51	.26	.17	.56	.39	.52	.31	.18	2.99	.36	.92
5	.36	.56	.25	.23	.76	.39	.52	.30	.09	.96	.34	.90
6	1.36	1.61	3.27	3.26	5.78	6.40	6.51	6.29	3.97	2.94	2.31	1.87
7	.36	.64	.40	.30	6.10	.39	.51	.27	.88	.91	.30	.83
8	.36	.70	.50	.35	.18	.39	.51	.26	.76	.89	.28	.81
9	.35	.74	.51	.36	.22	.40	.51	.24	.67	.86	.27	.78
10	.34	.80	.46	.39	.25	.40	.51	.22	.59	.83	.26	.77
11	1.34	1.87	3.39	3.40	6.29	6.40	6.51	6.21	3.48	2.81	2.25	1.75
12	.33	.94	.16	.31	.32	.43	.51	.20	.44	.80	.24	.73
13	.32	2.00	.20	.22	.33	.44	.51	.18	.38	.78	.22	.72
14	.31	.10	.04	.04	.34	.44	.51	.13	.34	.77	.20	.70
15	.31	.18	3.00		.35	.44	.50	.08	.34	.75	.18	.68
16	1.31	2.10	3.02	3.76	6.38	6.44	6.50	6.00	3.35	2.72	2.15	1.67
17	.31	.11	2.98	.84	.39	.45	.50	5.93	.35	.70	.13	.65
18	.31	.11	.97	4.00	.40	.46	.50	.83	.36	.68	.12	.65
19	.30	.12	.88	.47	.40	.47	.50	.72	.36	.67	.10	.65
20	.30	.12	.84	.98	.39	.48	.50	.61	.34	.65	.09	.63
21	1.30	2.13	2.86	5.30	6.38	6.48	6.50	5.53	3.34	2.62	2.06	1.61
22	.30	.14	.90	.43	.38	.50	.49	.44	.29	.60	.05	.59
23	.31	.16	.97	.46	.37	.50	.49	.33	.27	.59	.07	.58
24	.31	.20	3.07	.46	.36	.50	.49	.23	.26	.57	.08	.56
25	.33	.21	.02	.46	.35	.50	.48	.13	.20	.54	.05	.53
26	1.33	2.22	2.98	5.48	6.36	6.50	6.47	5.04	3.19	2.51	2.03	1.51
27	.33	.22	.97	.52	.35	.51	.45	4.94	.16	.49	.00	.49
28	.35	.23	.94	.55	.34	.51	.43	.84	.14	.46	1.99	.47
29	.35	.27	.86	.56	.33	.51	.41	.73	.12	.44	–	.46
30	.36	.63	.86	.58	.33	.52	.39	.53	.09	.42	–	.45
31	–	.99	–	.57	.33	–	.35	–	.07	.41	–	.44
Mean	1.33	1.99	3.11	4.21	6.19	6.44	6.49	5.78	3.52	2.72	2.22	1.68
Max.	1.38	2.99	3.51	5.58	6.40	6.52	6.53	6.34	4.47	3.04	2.40	1.97
Min.	1.30	1.34	2.84	2.90	5.51	6.36	6.35	4.53	3.07	2.41	1.99	1.44

WATER YEAR 1933 : Max. 6.52 m. Min. 1.30 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	46	45	* 230	203	760	1,117	1,212	1,105	486	224	139	93
2	46	43	251	218	757	1,128	1,212	1,099	465	219	137	92
3	45	46	262	231	751	1,134	1,219	1,094	439	218	135	90
4	45	55	258	243	766	1,134	1,212	1,088	425	216	134	89
5	44	59	256	253	829	1,134	1,212	1,082	406	212	132	87
6	44	63	259	258	836	1,140	1,206	1,076	382	209	128	84
7	44	65	280	264	974	1,134	1,206	1,065	365	204	127	81
8	44	70	297	272	1,016	1,134	1,206	1,060	343	202	125	79
9	43	73	299	274	1,037	1,140	1,206	1,048	327	197	124	76
10	43	78	290	278	1,054	1,140	1,206	1,037	312	193	123	76
11	43	84	278	280	1,076	1,140	1,206	1,032	294	190	121	74
12	42	91	242	266	1,094	1,158	1,206	1,026	287	189	120	72
13	41	96	248	251	1,099	1,164	1,206	1,016	277	186	118	72
14	41	106	224	224	1,105	1,164	1,206	990	270	185	116	70
15	41	114	218	270	1,111	1,164	1,200	964	270	182	114	68
16	41	106	221	343	1,128	1,164	1,200	924	272	179	112	68
17	41	107	215	358	1,134	1,170	1,200	890	272	176	109	66
18	41	107	213	388	1,140	1,176	1,200	852	274	173	108	66
19	40	108	200	486	1,140	1,182	1,200	816	274	172	106	66
20	40	108	195	605	1,134	1,188	1,200	781	270	169	105	64
21	40	109	197	688	1,128	1,194	1,200	757	270	166	102	63
22	40	110	205	727	1,128	1,200	1,194	730	262	163	101	61
23	41	112	213	736	1,123	1,200	1,194	697	259	162	103	60
24	41	116	228	736	1,117	1,200	1,194	669	258	157	104	59
25	42	117	221	736	1,111	1,200	1,188	643	248	156	101	56
26	42	118	215	742	1,117	1,200	1,182	620	246	152	99	55
27	42	118	215	754	1,111	1,206	1,170	596	242	150	96	53
28	43	119	209	763	1,105	1,206	1,158	572	239	146	95	52
29	43	124	197	766	1,099	1,206	1,146	545	236	144		51
30	44	167	197	772	1,099	1,206	1,134	499	231	141		50
31		216		769	1,099	1,212	1,111		228	140		50
Total	1,273	3,050	7,029	14,154	32,178	35,029	36,992	26,373	9,429	5,572	3,234	2,143
Mean	42.4	98.4	234	456	1,038	1,168	1,193	879	304	180	111	69.1
Max.	46	216	299	772	1,140	1,212	1,219	1,105	486	224	139	93
Min.	40	43	195	203	751	1,117	1,111	499	228	140	95	50
Runoff — MCM.	109.987	263.520	607.306	1,222.906	2,780.179	3,026.506	3,196.109	2,278.627	814.666	481.421	279.418	185.155

WATER YEAR 1933 : Max. 1,219 Min. 40 Mean 483 Annual Runoff 15,245.798 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 3	18.00	6.53	1,219				

WATER YEAR 1934
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood Plain

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 3-time daily reading at 06.00, 12.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 3 readings.

Period of Available Gage Records: 1980 to date

Rating Operation:

Period of Rating: 1955

Rated by Float: -

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.)
Flow data represents channel flow only.

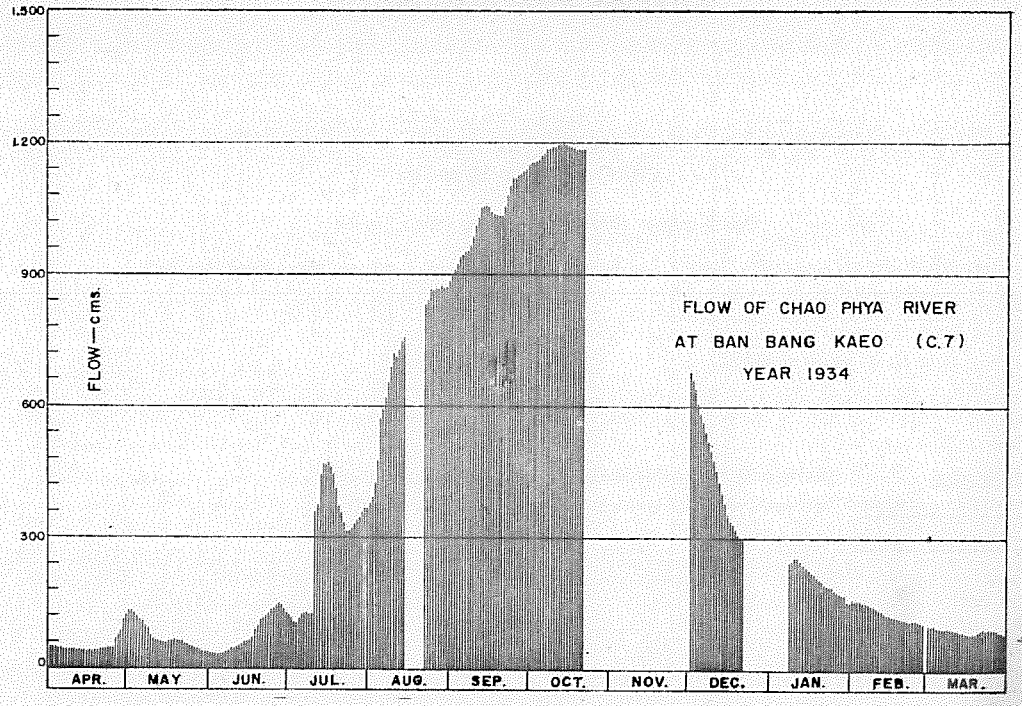
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: No record for periods August 15-21, October 22 - November 30 and December 22 - January 7.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.43	2.34	1.24	2.26	3.96	5.95	6.42		5.24		2.57	2.05
2	.42	.35	.20	.18	4.04	.97	.42		.15		.56	.03
3	.41	.29	.19	.10	.18	.99	.43		.05		.55	.01
4	.40	.22	.19	.09	.35	6.03	.44		4.94		.54	1.99
5	.38	.17	.21	.20	.89	.04	.45		.86		.51	.97
6	1.36	2.13	1.24	2.29	4.92	6.05	6.46		4.78		2.50	1.97
7	.35	.02	.28	.30	5.07	.06	.47		.69		.47	.96
8	.35	1.98	.32	.30	.20	.09	.47		.60	3.16	.45	.95
9	.35	.79	.37	.28	.32	.13	.48		.48	.19	.41	.95
10	.34	.70	.39	.31	.39	.17	.48		.36	.23	.39	.94
11	1.33	1.65	1.43	3.58	5.37	6.21	6.49		4.27	3.22	2.38	1.92
12	.33	.61	.49	.90	.44	.25	.49		.16	.17	.34	.91
13	.32	.60	.53	4.24	.50	.25	.50		.02	.13	.31	.88
14	.32	.57	.59	.36	.53	.25	.49		3.91	.09	.29	.86
15	.32	.54	.60	.38		.24	.48		.80	.05	.27	.85
16	1.31	1.59	1.65	4.39		6.22	6.48		3.72	3.01	2.25	1.83
17	.31	.60	.74	.34		.21	.48		.63	2.98	.23	.83
18	.33	.66	.89	.25		.21	.47		.59	.94	.22	.82
19	.35	.64	2.02	.05		.21	.47		.53	.89	.19	.83
20	.37	.61	.15	3.91		.22	.47		.51	.86	.18	.87
21	1.38	1.61	2.20	3.83		6.25	6.47		3.48	2.82	2.17	1.91
22	.39	.54	.24	.70	5.76	.30				.80	.15	.96
23	.40	.50	.30	.60	.81	.33				.78	.15	.91
24	.43	.46	.36	.61	.87	.36				.75	.15	.96
25	.55	.43	.40	.64	.86	.36				.72	.15	.95
26	1.69	1.39	2.43	3.70	5.87	6.37				2.70	2.13	1.93
27	.77	.36	.47	.33	.87	.38				.67	.11	.90
28	.89	.34	.48	.79	.89	.39				.65	.07	.87
29	2.15	.31	.39	.86	.88	.40				.63		.84
30	.27	.30	.31	.89	.88	.41				.61		.81
31		.28		.89	.92					.60		.76
Mean	1.47	1.70	1.78	3.38		6.21					2.31	1.91
Max.	2.27	2.35	2.48	4.39		6.41					2.57	2.05
Min.	1.31	1.28	1.19	2.09		5.95					2.07	1.90

WATER YEAR 1934 : Max. m. Min. 1.19 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	49	132	36	123	380	899	1,152		672		159	101
2	48	133	34	114	396	909	1,152		648		158	99
3	48	126	33	106	425	919	1,158		622		157	97
4	47	118	33	105	460	939	1,164		596		156	95
5	46	113	35	116	584	944	1,170		576		152	93
6	44	109	36	126	591	949	1,176		557		151	93
7	43	98	39	127	627	954	1,182		536		147	92
8	43	94	41	127	661	969	1,182		515	242	145	91
9	43	77	45	125	694	990	1,188		488	246	140	91
10	43	70	46	128	715	1,010	1,188		463	253	138	91
11	42	66	49	358	709	1,032	1,194		444	251	137	89
12	42	63	53	369	730	1,054	1,194		421	243	132	88
13	41	62	56	437	748	1,054	1,200		392	237	128	85
14	41	60	61	463	757	1,054	1,194		371	231	126	83
15	41	57	62	467		1,048	1,188		350	225	124	89
16	41	61	66	469		1,037	1,188		336	219	121	81
17	41	62	73	458		1,032	1,188		319	215	119	81
18	42	67	86	439		1,032	1,182		312	209	118	80
19	43	65	98	398		1,032	1,182		302	202	115	81
20	45	63	111	371		1,037	1,182		209	197	114	84
21	46	63	116	356		1,054	1,182		294	192	113	88
22	46	57	120	332	829	1,082				189	111	92
23	47	54	127	314	845	1,099				186	111	88
24	49	51	134	316	865	1,117				182	111	92
25	58	49	139	321	862	1,117				179	111	91
26	69	46	143	332	865	1,123				176	109	90
27	76	44	147	337	865	1,128				172	107	87
28	86	43	149	348	872	1,134				169	103	84
29	111	41	138	361	868	1,140				167		82
30	124	40	128	367	868	1,146				164		79
31		39		367	884					163		75
Total	1,585	2,223	2,433	9,167		31,034					3,613	2,725
Mean	52.8	71.7	81.1	296		1,034					129	87.9
Max.	124	133	149	469		1,146					159	101
Min.	41	39	33	105		899					103	87
Runoff - mcm.	136.944	192.067	210.211	792.029		2,681.338					312.163	235.440

WATER YEAR 1934 : Max. Min. 33 Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1935
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong. (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood Plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1930 to date.

Rating Operation:

Period of Rating: 1955

Rated by Float: –

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.)
Flow data represents channel flow only.

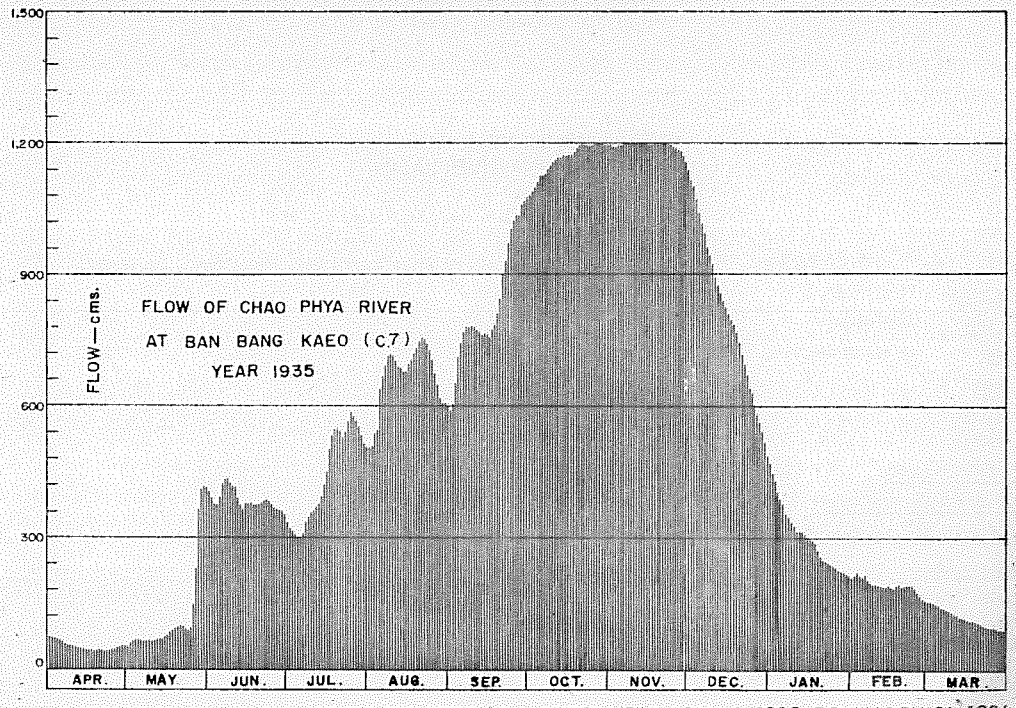
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No state diversions above gage site except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.71	1.46	4.06	3.68	4.55	4.92	6.30	6.49	6.39	4.37	2.93	2.52
2	.70	.58	3.98	.62	.57	.99	.31	.48	.35	.26	.95	.51
3	.67	.60	.93	.60	.69	5.24	.32	.48	.31	.13	3.01	.48
4	.64	.61	.94	.56	.89	.39	.35	.49	.27	.04	2.97	.45
5	.61	.62	4.02	.52	5.12	.49	.37	.49	.21	3.97	.93	.42
6	1.57	1.64	4.18	3.53	5.22	5.57	6.37	6.50	6.17	3.88	2.97	2.40
7	.53	.62	.21	.60	.31	.60	.38	.50	.11	.81	.85	.38
8	.49	.60	.23	.71	.38	.60	.40	.50	.06	.74	.83	.36
9	.47	.59	.18	.80	.40	.61	.41	.50	.02	.69	.82	.33
10	.44	.59	.14	.84	.38	.60	.43	.50	5.98	.63	.81	.30
11	1.42	1.62	4.10	3.87	5.33	5.58	6.43	6.50	5.92	3.60	2.80	2.28
12	.40	.65	.01	.91	.29	.56	.44	.50	.87	.60	.79	.25
13	.38	.67	3.92	.96	.29	.54	.44	.50	.82	.59	.78	.22
14	.36	.69	.88	4.05	.26	.56	.45	.50	.79	.56	.78	.19
15	.35	.74	.92	.19	.27	.54	.45	.49	.74	.53	.80	.18
16	1.34	1.79	3.94	4.35	5.32	5.52	6.45	6.49	5.70	3.50	2.76	2.16
17	.33	.83	.95	.62	.37	.59	.45	.49	.65	.47	.75	.15
18	.32	.88	.92	.71	.41	.72	.46	.50	.61	.43	.79	.14
19	.32	.94	.93	.74	.45	.82	.48	.50	.55	.33	.82	.11
20	.33	2.00	.94	.74	.49	.89	.49	.50	.48	.23	.80	.09
21	1.32	2.01	3.96	4.69	5.52	5.96	6.50	6.50	5.41	3.20	2.78	2.04
22	.32	1.97	.99	.66	.51	6.03	.49	.50	.31	.17	.79	.01
23	.32	.93	.99	.71	.46	.09	.49	.49	.21	.14	.79	1.99
24	.32	.89	.97	.82	.41	.15	.49	.49	.12	.12	.80	.97
25	.34	.99	.92	.89	.32	.19	.49	.48	.03	.09	.77	.96
26	1.35	2.53	3.88	4.86	5.20	6.21	6.50	6.48	4.93	3.07	2.68	1.94
27	.38	3.16	.88	.80	.09	.22	.50	.47	.84	.04	.61	.93
28	.43	.88	.88	.73	.01	.26	.50	.46	.74	.02	.55	.92
29	.46	4.11	.85	.66	4.98	.27	.49	.45	.66	3.00	.52	.92
30	.49	.14	.78	.60	.98	.28	.49	.42	.57	2.97		.93
31		.12		.56	.95		.49		.47	.95		.96
Mean	1.44	2.11	3.98	4.24	5.19	5.73	6.44	6.49	5.59	3.49	2.80	2.18
Max.	1.71	4.14	4.23	4.89	5.52	6.28	6.50	6.50	6.39	4.37	3.01	2.52
Min.	1.32	1.46	3.78	3.52	4.55	4.92	6.30	6.42	4.47	2.95	2.52	1.92

WATER YEAR 1935 : Max. 6.50 m. Min. 1.32 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	71	51	400	328	503	591	1,082	1,194	1,134	465	207	153
2	70	60	384	318	508	608	1,088	1,188	1,111	442	210	152
3	68	62	375	314	536	671	1,094	1,188	1,088	414	219	149
4	65	63	377	307	534	715	1,111	1,194	1,065	396	213	145
5	63	64	392	309	640	745	1,123	1,194	1,032	382	207	141
6	60	65	425	302	666	769	1,123	1,200	1,010	365	213	139
7	56	64	431	314	691	778	1,128	1,200	979	352	196	136
8	53	62	435	334	712	778	1,140	1,200	954	339	193	134
9	52	61	425	350	718	781	1,146	1,200	934	330	192	131
10	50	61	416	358	712	778	1,158	1,200	914	319	190	127
11	48	64	408	363	697	772	1,158	1,200	885	314	189	125
12	47	66	390	371	685	766	1,164	1,200	865	314	188	121
13	46	68	373	380	685	760	1,164	1,200	849	312	186	118
14	44	69	365	398	677	766	1,170	1,200	839	307	186	115
15	43	73	373	427	680	760	1,170	1,194	823	302	189	114
16	43	77	377	460	694	754	1,170	1,194	810	297	184	112
17	42	81	378	520	709	775	1,170	1,194	794	292	182	111
18	41	85	373	540	721	816	1,176	1,200	781	285	188	110
19	41	91	375	548	733	849	1,188	1,200	763	269	192	107
20	42	96	377	547	745	872	1,194	1,200	742	253	189	105
21	41	97	380	536	754	904	1,200	1,200	721	248	186	100
22	41	93	386	529	751	939	1,194	1,200	691	243	188	97
23	41	90	386	540	736	969	1,194	1,194	664	239	188	95
24	41	86	382	567	721	1,000	1,194	1,194	640	236	189	93
25	43	95	373	584	694	1,021	1,194	1,188	617	631	185	92
26	43	155	365	576	661	1,032	1,200	1,188	593	228	173	91
27	46	242	365	562	632	1,037	1,200	1,182	572	224	164	90
28	49	365	365	545	612	1,060	1,200	1,176	548	221	157	89
29	51	410	359	528	605	1,065	1,194	1,170	529	218	153	89
30	53	416	346	515	605	1,071	1,194	1,152	508	213		90
31		412		506	598		1,194		486	210		92
Total	1,494	3,844	11,556	13,768	20,665	25,203	36,075	35,784	24,941	9,260	5,496	3,563
Mean	49.8	124	385	444	667	840	1,164	1,193	804	299	189	115
Max.	71	416	435	584	754	1,071	1,200	1,200	1,134	465	219	153
Min.	41	51	346	300	503	591	1,082	1,152	486	210	153	89
Runoff - RCM.	129.082	332.122	998.438	1,189.555	1,785.456	2,177.539	3,116.860	3,091.738	2,154.902	800.064	474.854	307.843

WATER YEAR 1935 : Max. 1,200 Min. 41 Mean 524 Annual Runoff 16,558.474mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 26	06.00	6.50	1,200				

WATER YEAR 1936
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong. (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood Plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1931 to date.

Rating Operation:

Period of Rating: 1955

Rated by Float: -

Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

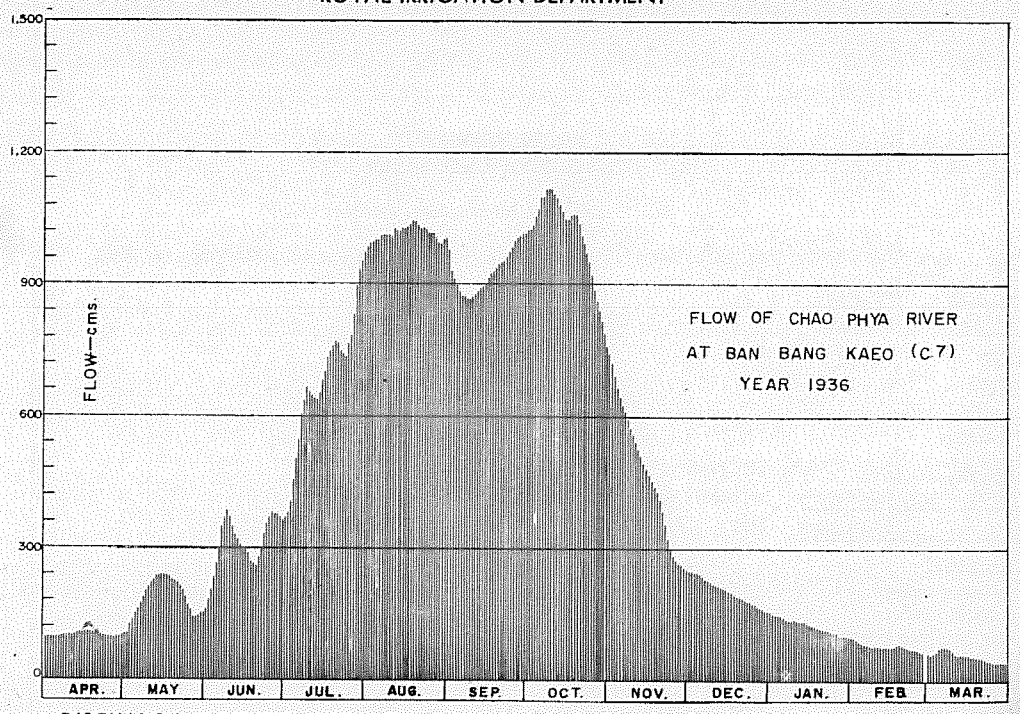
Overbank Flow Conditions: Overbank flow at elevation + 6.00 m. (M.S.L.).
Flow data represents channel flow only.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No state diversions above gage site except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.97	2.08	2.60	3.91	6.12	6.10	6.19	5.45	3.19	2.52	2.02	1.56
2	.98	.19	.78	4.00	.14	.00	.20	.36	.19	.49	.00	.55
3	.98	.27	.95	.18	.14	5.97	.22	.27	.18	.47	1.93	.57
4	.98	.37	3.14	.40	.15	.94	.25	.18	.16	.46	.89	.64
5	.99	.48	.34	.59	.15	.91	.29	.11	.14	.43	.86	.71
6	1.99	2.57	3.56	4.76	6.17	5.89	6.32	5.04	3.11	2.41	1.83	1.76
7	2.00	.68	.80	5.01	.17	.88	.33	4.99	.08	.40	.82	.74
8	.01	.77	4.00	.15	.17	.87	.34	.91	.04	.38	.81	.74
9	.02	.88	3.97	.20	.17	.87	.34	.83	.03	.37	.80	.72
10	.04	.95	.87	.19	.17	.89	.34	.76	.01	.37	.80	.64
11	2.06	3.01	3.73	5.15	6.19	5.91	6.33	4.69	2.98	2.36	1.79	1.56
12	.07	.06	.66	.12	.19	.92	.32	.61	.96	.35	.79	.53
13	.08	.12	.61	.11	.19	.93	.29	.55	.24	.35	.78	.53
14	.08	.13	.53	.19	.20	.94	.27	.49	.92	.34	.77	.53
15	.09	.14	.47	.30	.20	.96	.24	.42	.91	.31	.76	.53
16	2.10	3.13	3.49	5.39	6.21	5.98	6.24	4.36	2.88	2.30	1.77	1.51
17	.10	.12	.43	.47	.22	6.00	.25	.30	.87	.28	.80	.49
18	.09	.10	.33	.51	.23	.01	.25	.24	.83	.27	.83	.47
19	.08	.06	.29	.55	.23	.03	.25	.18	.81	.24	.84	.45
20	.07	.04	.28	.57	.21	.04	.23	.07	.79	.22	.81	.43
21	2.06	3.02	3.38	5.55	6.20	6.05	6.18	3.91	2.76	2.20	1.76	1.39
22	.05	2.97	.52	.49	.20	.06	.13	.75	.73	.18	.72	.34
23	.03	.88	.74	.47	.19	.08	.09	.60	.71	.17	.71	.33
24	.02	.76	.85	.49	.18	.10	.04	.48	.70	.14	.70	.32
25	2.00	.63	.91	.57	.18	.12	5.98	.40	.67	.12	.70	.29
26	1.99	2.51	3.96	5.64	6.18	6.15	5.91	3.33	2.65	2.10	1.68	1.29
27	.98	.40	.94	.81	.16	.16	.84	.29	.62	.07	.64	.29
28	2.00	.43	.93	.96	.14	.17	.77	.27	.60	.06	.60	.28
29	.01	.45	.90	6.03	.13	.18	.69	.23	.58	.04		.28
30	.03	.50	.88	.07	.15	.18	.61	.21	.56	.04		.26
31		.52		.10	.16		.53		.54	.04		.25
Mean	2.03	2.75	3.56	5.25	6.18	6.01	6.14	4.31	2.87	2.27	1.79	1.48
Max.	2.10	3.14	4.00	6.10	6.23	6.18	6.34	5.45	3.19	2.52	2.02	1.76
Min.	1.97	2.08	2.60	3.91	6.12	5.87	5.53	3.21	2.54	2.04	1.60	1.25

WATER YEAR 1936 : Max. 6.34 m. Min. 1.25 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	93	104	163	371	984	974	1,021	733	246	153	98	59
2	94	114	186	388	994	924	1,026	706	246	150	96	58
3	94	124	210	425	994	909	1,037	680	245	147	90	60
4	94	135	239	471	1,000	895	1,054	656	242	146	86	65
5	95	149	270	513	1,000	880	1,076	638	239	143	83	71
6	95	159	307	552	1,010	872	1,094	620	234	140	81	75
7	96	173	350	612	1,010	868	1,099	608	230	139	80	73
8	97	185	388	648	1,010	865	1,105	588	224	137	79	73
9	98	200	382	661	1,010	865	1,105	569	222	135	78	72
10	100	210	363	658	1,010	872	1,105	552	219	135	78	65
11	102	219	337	648	1,021	880	1,099	536	215	134	77	59
12	103	227	325	640	1,021	885	1,094	517	212	133	77	56
13	104	236	316	638	1,021	890	1,076	503	209	133	76	56
14	104	237	302	658	1,026	895	1,065	490	206	132	76	56
15	105	239	292	688	1,026	904	1,048	475	204	128	75	56
16	106	237	295	715	1,032	914	1,048	463	200	127	76	55
17	106	236	285	739	1,037	924	1,054	450	199	125	78	53
18	105	233	269	751	1,043	929	1,054	437	193	124	81	52
19	104	227	262	763	1,043	939	1,054	425	190	120	82	50
20	103	224	261	769	1,032	944	1,043	402	188	118	79	49
21	102	221	277	763	1,026	949	1,016	371	184	116	75	46
22	101	213	300	745	1,026	954	990	341	180	114	72	43
23	99	200	339	739	1,021	964	969	314	177	113	71	42
24	98	184	359	745	1,016	974	944	294	176	110	70	41
25	96	167	371	769	1,016	984	914	280	172	108	70	39
26	95	152	380	791	1,016	1,000	880	269	169	106	68	39
27	94	139	377	845	1,005	1,005	855	262	166	103	65	39
28	96	143	375	904	995	1,010	832	259	163	102	62	39
29	97	145	369	939	990	1,016	807	253	161	100		39
30	99	151	365	959	1,000	1,016	781	250	158	100		38
31		153		974	1,005		757		156	100		37
Total	2,975	5,736	9,314	21,481	31,440	27,900	31,192	13,941	6,225	3,871	2,179	1,655
Mean	99.2	185	310	693	1,014	930	1,004	465	201	125	77.8	53.4
Max.	106	239	388	974	1,043	1,016	1,105	733	246	153	98	75
Min.	93	104	163	371	984	865	757	250	156	100	62	37
Runoff - mcm.	257.040	495.590	804.730	1,855.958	2,716.416	2,410.560	2,687.213	1,204.502	537.840	334.454	188.266	142.992

WATER YEAR 1936 : Max. 1,105 Min. 37 Mean 432 Annual Runoff 13,635.562 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 8	06.00	6.34	1,105				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1937
CHAO PHYA RIVER BASIN

Chao Phya River at Ban Bang Kaeo, Ang Thong (C. 7)

Location: Lat. 14°-35'-05" N., Long. 100°-27'-12" E., on left bank infront of police station, Amphoe Muang, Ang Thong.

Drainage Area: Flood plain.

Type of Gage: Staff gage.

Zero Gage: on top at + 6.50 m. (M.S.L.)

Bench Mark:

Location: -
Elevation: -

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: 1930 to date.

Rating Operation:

Period of Rating: 1955
Rated by Float: -
Rated by Current Meter: 1955

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation.

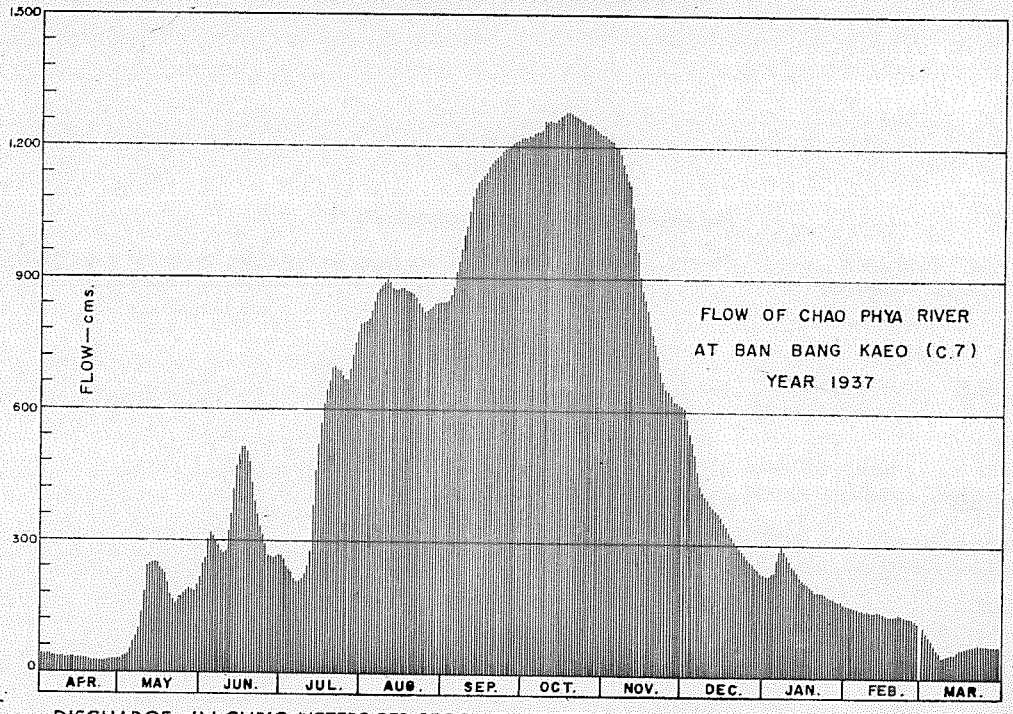
Overbank Flow Conditions: Overbank flow at elev. + 6.00 m. (M.S.L.)
Flow data represents channel flow only.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1955. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.25	1.17	3.21	3.33	5.66	5.81	6.53	6.53	4.98	3.09	2.60	2.19
2	.25	.25	.43	.27	.67	.82	.54	.52	.87	.09	.59	.07
3	.26	.30	.55	.19	.69	.86	.54	.52	.73	.09	.57	1.97
4	.25	.36	.64	.11	.76	.92	.55	.50	.64	.13	.55	.87
5	.24	.54	.59	.03	.83	.99	.55	.49	.46	.29	.53	.76
6	1.23	1.74	3.52	2.96	5.87	6.05	6.55	6.47	4.30	3.44	2.52	1.64
7	.21	.87	.46	.93	.90	.09	.56	.43	.20	.49	.51	.53
8	.20	2.01	.39	.95	.92	.15	.56	.40	.12	.42	.50	.40
9	.20	.39	.35	3.00	.93	.20	.59	.37	.08	.35	.49	.40
10	.20	.80	.40	.09	.94	.25	.59	.33	.04	.28	.48	.43
11	1.19	3.17	3.67	3.22	5.92	6.31	6.59	6.23	3.99	3.22	2.47	1.46
12	.18	.20	.91	.38	.90	.34	.58	.13	.95	.16	.47	.50
13	.17	.22	.91	.90	.89	.36	.60	.03	.92	.11	.48	.54
14	.16	.23	4.44	4.34	.89	.37	.61	5.93	.89	.06	.47	.58
15	.15	.22	.52	.65	.90	.39	.61	.87	.85	3.00	.45	.63
16	1.15	3.14	4.60	4.86	5.90	6.40	6.62	5.80	3.82	2.96	2.42	1.65
17	.15	.10	.60	5.02	.88	.42	.62	.74	.75	.94	.40	.66
18	.13	.03	.55	.13	.88	.44	.62	.63	.67	.90	.40	.67
19	.10	2.83	.38	.22	.87	.45	.61	.55	.61	.85	.41	.69
20	.09	.72	.21	.31	.86	.46	.61	.47	.54	.82	.42	.71
21	1.09	2.62	4.00	5.33	5.82	6.46	6.60	5.37	3.50	2.82	2.43	1.74
22	.06	.57	3.84	.31	.80	.48	.59	.29	.44	.82	.41	.74
23	.05	.63	.71	.29	.77	.49	.59	.19	.40	.79	.39	.74
24	.05	.70	.58	.26	.73	.49	.58	.14	.36	.76	.37	.73
25	.06	.75	.45	.23	.75	.50	.58	.13	.31	.73	.35	.73
26	1.08	2.81	3.34	5.23	5.75	6.51	6.57	5.10	3.29	2.72	2.32	1.73
27	.11	.83	.31	.31	.78	.52	.57	.05	.25	.70	.29	.72
28	.12	.81	.29	.44	.80	.52	.56	.04	.19	.67	.25	.72
29	.12	.74	.31	.54	.80	.53	.55	.02	.16	.66		.72
30	.14	.83	.34	.61	.80	.53	.54	.01	.13	.64		.71
31		.96		.65	.80		.54		.10	.62		.71
Mean	1.15	2.53	3.76	4.36	5.83	6.30	6.58	5.81	3.82	2.99	2.45	1.68
Max.	1.26	3.23	4.60	5.65	5.94	6.53	6.62	6.53	4.98	3.49	2.60	2.19
Min.	1.05	1.17	3.21	2.93	5.66	5.81	6.53	5.01	3.10	2.62	2.25	1.40

WATER YEAR 1937 : Max. 6.62 m. Min. 1.05 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1937 TO MARCH 31,1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	37	32	250	269	797	845	1,219	1,219	605	231	163	115
2	37	37	285	259	800	849	1,225	1,212	579	231	162	103
3	38	40	305	246	807	862	1,225	1,212	545	231	159	93
4	37	44	321	234	829	885	1,231	1,200	524	237	157	84
5	36	57	312	222	852	919	1,231	1,194	484	262	155	75
6	36	73	300	212	865	949	1,231	1,182	450	287	153	65
7	35	84	290	207	875	969	1,237	1,158	429	295	152	56
8	34	97	278	210	885	1,000	1,257	1,140	412	283	151	47
9	34	138	272	218	890	1,026	1,256	1,123	404	272	150	47
10	34	189	280	231	895	1,054	1,256	1,099	396	261	149	49
11	33	243	327	251	885	1,088	1,256	1,043	386	251	147	51
12	33	248	371	277	875	1,105	1,250	990	378	242	147	54
13	32	251	426	369	872	1,117	1,262	959	373	234	149	57
14	32	253	479	458	872	1,123	1,269	890	367	227	147	60
15	31	251	497	526	875	1,134	1,269	865	359	218	145	64
16	31	239	515	576	875	1,140	1,275	842	354	212	141	66
17	31	233	515	615	868	1,152	1,275	823	341	209	139	67
18	30	222	503	643	868	1,164	1,275	788	327	203	139	68
19	28	193	467	666	865	1,170	1,269	766	316	196	140	69
20	27	179	431	691	862	1,176	1,269	739	304	192	141	71
21	27	166	388	697	849	1,176	1,262	709	297	192	143	73
22	26	159	358	691	842	1,188	1,256	685	287	192	140	73
23	25	167	334	685	832	1,194	1,256	658	280	188	138	73
24	25	176	311	677	820	1,194	1,250	645	274	184	135	72
25	26	182	288	669	826	1,200	1,250	643	264	180	133	72
26	27	190	270	669	826	1,206	1,243	635	262	179	129	72
27	29	193	266	691	836	1,212	1,243	622	256	176	126	72
28	29	190	262	730	842	1,212	1,237	620	246	172	121	72
29	29	181	266	760	842	1,219	1,231	615	242	171		72
30	30	193	270	781	842	1,219	1,225	612	237	168		71
31		212		794	842		1,225		233	166		71
Total	939	5,112	10,437	15,224	26,411	32,747	38,695	26,868	11,211	6,742	4,051	2,154
Mean	31.3	165	348	491	852	1,091	1,248	896	362	217	145	69.5
Max.	38	253	515	794	895	1,219	1,275	1,219	605	295	163	115
Min.	25	32	250	207	797	845	1,219	612	233	166	121	47
Runoff – MCM.	81.130	441.677	901.757	1,303.517	2,281.910	2,829.341	3,343.245	2,321.395	968.630	582.509	350.006	186.105

WATER YEAR 1937 : Max. 1,275 Min. 25 Mean 495 Annual Runoff 15,603.062 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 16	06.00	6.62	1,275				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1916
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage.

Zero Gage on top at: + 6.60 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location: –

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

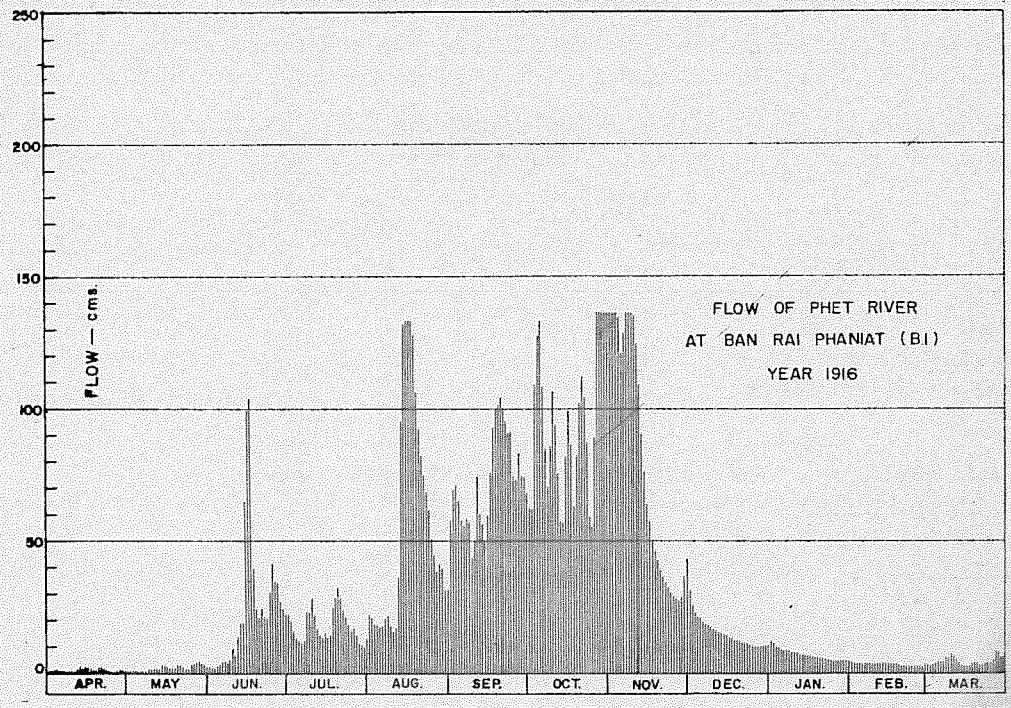
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1916 TO MARCH 31, 1917

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.47	1.44	1.60	2.57	2.57	3.52	3.64	5.15	2.87	2.18	1.76	1.69
2	.47	.45	.56	.48	.52	.84	.69	.14	.68	.16	.75	.67
3	.54	.44	.56	.34	.45	.88	4.54	.14	.60	.09	.75	.69
4	.50	.45	.64	.23	.44	.78	.99	.13	.55	.05	.74	.72
5	.47	.44	.73	.18	.41	.57	5.10	4.84	.52	.03	.73	.78
6	1.44	1.45	1.78	2.14	2.43	3.49	4.60	5.00	2.48	2.02	1.72	1.78
7	.44	.44	.79	.18	.49	.58	.03	.14	.45	.00	.72	.76
8	.44	.44	.74	.59	.57	.54	3.80	.14	.42	1.99	.72	.89
9	.43	.53	.84	.61	.45	.12	4.21	.14	.40	.99	.71	.85
10	.43	.52	2.05	.78	.36	.36	.61	.13	.37	.97	.70	.97
11	1.43	1.55	1.88	2.58	2.34	3.95	4.24	4.83	2.35	1.96	1.70	1.93
12	.51	.55	2.37	.39	.71	.61	3.84	.50	.33	.93	.70	.85
13	.63	.63	.47	.29	4.19	.52	.55	.18	.31	.92	.72	.73
14	.55	.69	.25	.22	5.05	.39	.54	3.92	.28	.91	.71	.68
15	.67	.67	4.41	.30	.09	.62	4.10	.70	.26	.90	.71	.66
16	1.61	1.62	4.55	2.25	5.09	3.94	4.45	3.53	2.24	1.89	1.69	1.64
17	.55	.60	3.55	.21	.09	4.28	.05	.39	.22	.88	.69	.63
18	.53	.56	2.90	.62	4.96	.46	3.64	.30	.20	.87	.70	.75
19	.53	.56	.65	.76	.50	.49	4.12	.21	.19	.86	.68	.76
20	.66	.69	.51	.91	.21	.55	.49	.11	.17	.85	.67	.72
21	1.67	1.63	2.65	2.74	4.08	4.45	4.70	3.03	2.16	1.84	1.66	1.65
22	.60	.57	.55	.62	3.94	.35	.55	2.97	.14	.83	.65	.65
23	.52	.55	.50	.55	.80	.27	.16	.90	.13	.82	.65	.73
24	.48	.54	.81	.42	.64	.28	3.60	.85	.11	.81	.64	.72
25	.47	.70	3.15	.35	.37	3.93	.35	.80	.11	.80	.63	.73
26	1.46	1.74	2.98	2.40	3.19	3.93	4.28	2.76	2.10	1.80	1.64	1.77
27	.47	.77	.98	.34	.05	4.12	5.14	.72	.09	.80	.63	2.01
28	.53	.80	.75	.16	.14	3.95	.15	.80	.08	.79	.63	1.99
29	.50	.72	.65	.13	.09	.94	.15	3.00	.10	.78	.69	.88
30	.45	.69	.57	.09	2.87	.80	.15	.21	.10	.77		.89
31		.64		.23	.80		.15		.12	.77		.85
Mean	1.51	1.58	2.48	2.40	3.38	3.88	4.31	3.92	2.29	1.91	1.69	1.77
Max.	1.67	1.80	4.55	2.91	5.09	4.55	5.15	5.15	2.87	2.18	1.76	2.01
Min.	1.43	1.44	1.56	2.09	2.34	3.12	3.35	2.72	2.08	1.77	1.63	1.63

WATER YEAR 1916 : Max. 5.15 m. Min. 1.43 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1916 TO MARCH 31,1917

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.83	0.63	2.00	22	22	56	61	136	31	12	4.09	3.12
2	0.83	0.70	1.61	19	21	69	62	136	25	11	3.95	2.87
3	1.42	0.63	1.61	15	18	71	104	136	23	9.81	3.95	3.12
4	1.03	0.70	2.50	13	18	66	127	135	21	9.05	3.81	3.53
5	0.83	0.63	3.67	12	17	58	133	119	21	8.67	3.67	4.37
6	0.63	0.70	4.37	11	18	55	107	128	19	8.48	3.53	4.37
7	0.63	0.63	4.51	12	20	58	78	136	18	8.10	3.53	4.09
8	0.63	0.63	3.81	23	22	57	67	136	18	7.92	3.53	6.13
9	0.57	1.32	5.31	23	18	40	87	136	17	7.92	3.39	5.47
10	0.57	1.22	9.05	28	16	49	107	135	16	7.56	3.25	7.56
11	0.57	1.51	5.97	22	15	74	89	119	16	7.36	3.25	6.84
12	1.13	1.51	16	17	26	59	69	102	15	6.84	3.25	5.47
13	2.37	2.37	19	14	86	56	57	86	15	6.66	3.35	3.67
14	1.51	3.12	13	13	131	47	57	73	14	6.48	3.39	3.00
15	2.87	2.87	97	15	133	60	82	63	14	6.30	3.39	2.75
16	2.12	2.25	104	13	133	74	99	56	13	6.13	3.12	2.50
17	1.51	2.00	57	12	133	91	79	51	13	5.97	3.12	2.37
18	1.32	1.61	32	24	126	100	61	47	12	5.80	3.25	3.95
19	1.32	1.61	24	28	102	101	83	43	12	5.64	3.00	4.09
20	2.75	3.12	20	32	87	104	101	39	12	5.47	2.87	3.53
21	2.87	2.37	24	27	81	99	112	36	11	5.31	2.75	2.62
22	2.00	1.71	21	24	74	94	104	34	11	5.14	2.62	2.62
23	1.22	1.51	20	21	67	90	85	32	11	4.98	2.62	3.67
24	0.90	1.42	29	18	61	91	59	30	10	4.81	2.50	3.53
25	0.83	3.25	41	16	50	73	49	29	10	4.65	2.37	3.67
26	0.77	3.81	34	17	43	73	91	28	10	4.65	2.50	4.23
27	0.83	4.23	34	15	37	83	136	27	9.81	4.65	2.37	8.29
28	1.32	4.65	27	11	41	74	136	29	9.62	4.51	2.37	7.92
29	1.03	3.53	24	11	39	74	136	35	10	4.37	3.12	5.97
30	0.70	3.12	22	9.81	31	67	136	43	10	4.23		6.13
31		2.50		13	29		136		10	4.23		5.47
Total	37.91	61.86	602.41	550.81	1,715	2,163	2,917	2,335	457.43	204.71	92.09	136.92
Mean	1.26	1.99	23.4	17.8	55.3	72.1	94.1	77.8	14.7	6.60	3.17	4.42
Max.	2.87	4.65	104	32	133	104	136	136	31	12	4.09	8.29
Min.	0.57	0.63	1.61	9.81	15	40	49	27	9.62	4.23	2.37	2.37
Runoff - mcm.	3.275	5.345	60.688	47.590	148.176	186.883	252.029	201.744	39.522	17.687	7.956	11.830

WATER YEAR 1916 : Max. 136 Min. 0.57 Mean 31.1 Annual Runoff 982.726 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 30	12.00	5.15	136				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1917
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.60 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. Q21

Location:

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

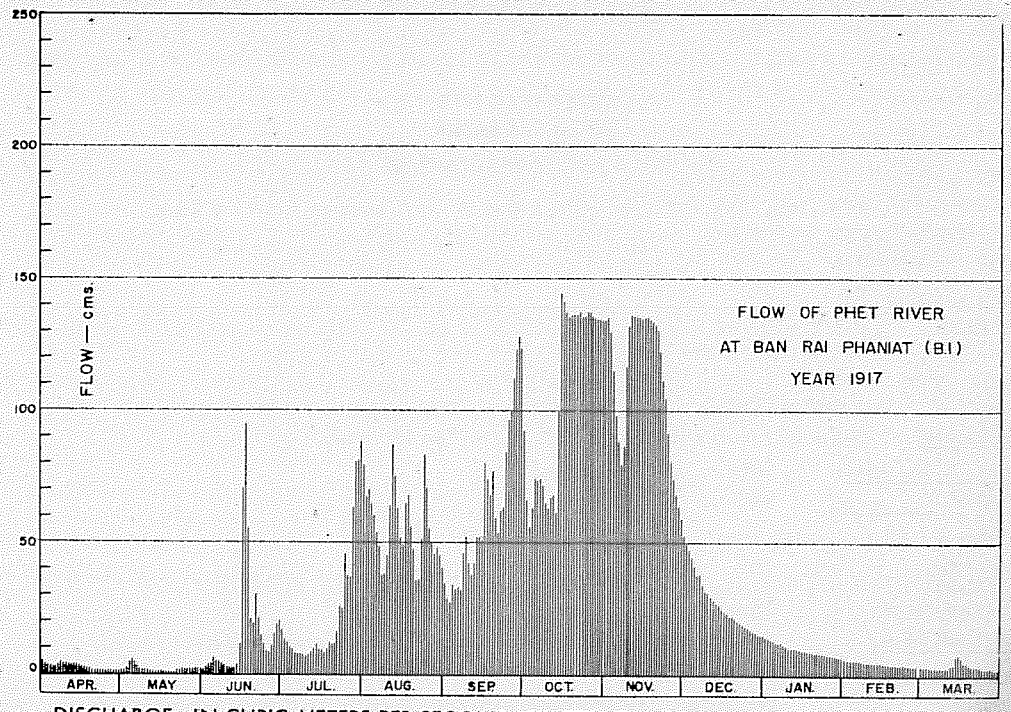
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream stage diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1917 TO MARCH 31, 1918

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.79	1.53	1.58	2.39	4.06	2.92	4.04	5.11	3.42	2.28	1.88	1.68
2	.74	.53	.68	.24	3.74	.76	3.73	.13	.34	.27	.87	.68
3	.68	.60	.75	.17	.86	.74	.51	.02	.29	.25	.86	.67
4	.66	.80	.78	.11	.72	.96	.66	4.70	.23	.23	.85	.67
5	.64	.88	.93	.07	.61	.91	.95	.39	.15	.21	.84	.67
6	1.61	1.73	1.82	1.98	3.44	2.92	3.92	4.21	3.06	2.19	1.83	1.66
7	.69	.65	.81	.97	.32	.88	.95	.04	.07	.17	.83	.65
8	.76	.57	.78	.98	.06	3.28	.90	.13	2.97	.15	.82	.65
9	.75	.55	.70	.95	.07	.42	.71	.99	.88	.14	.82	.64
10	.74	.53	.63	.91	.34	.14	.70	5.13	.86	.12	.81	.64
11	1.73	1.52	1.61	1.94	3.75	3.08	3.79	5.14	2.81	2.11	1.80	1.64
12	.72	.48	.60	2.02	4.20	.16	.83	.13	.77	.10	.80	.74
13	.71	.47	.61	.68	3.93	.43	.61	.12	.74	.09	.79	.74
14	.71	.46	.71	.18	.59	.43	4.49	.12	.70	.07	.78	.96
15	.69	.45	.99	.07	.42	.40	5.29	.11	.67	.06	.77	.96
16	1.67	1.44	3.82	2.05	3.29	4.06	5.23	5.12	2.64	2.05	1.76	1.91
17	.65	.43	4.36	1.99	.75	3.94	.14	.13	.60	.04	.76	.79
18	.60	.43	3.38	2.06	.82	.78	.13	.11	.58	.03	.75	.76
19	.56	.43	2.45	.19	.49	4.01	.14	.10	.56	.02	.74	.72
20	.53	.44	.44	.15	.19	3.58	.14	.08	.54	.02	.74	.70
21	1.51	1.47	2.87	2.19	3.00	3.42	5.13	5.03	2.51	2.01	1.74	1.68
22	.50	.55	.57	.38	2.93	.68	.16	4.87	.49	.00	.73	.68
23	.49	.55	.31	.71	3.37	.66	.13	.65	.46	1.99	.73	.68
24	.48	.56	.14	.68	4.13	4.10	.13	.53	.44	.98	.72	.64
25	.48	.56	.02	3.28	3.85	.41	.17	.27	.42	.97	.71	.63
26	1.47	1.56	2.01	3.06	3.51	4.46	5.16	4.01	2.39	1.95	1.70	1.61
27	.46	.59	.16	.06	.34	.69	.12	3.92	.38	.94	.70	.63
28	.45	.56	.37	.72	.26	.91	.12	.79	.36	.93	.69	.59
29	.44	.59	.46	4.07	.32	5.00	.11	.70	.33	.92		.59
30	.46	.59	.51	.09	.25	4.89	.11	.59	.31	.91		.60
31		.59		.22	.14		.11		.30	.89		.61
Mean	1.61	1.55	[illegible]3	2.48	3.50	3.63	4.56	4.68	2.72	2.07	1.78	1.59
Max.	1.79	1.[illegible]8	4.36	4.22	4.20	5.00	5.29	5.14	3.42	2.28	1.88	1.96
Min.	1.44	1.43	1.58	1.91	2.93	2.74	3.51	3.59	2.30	1.89	1.69	1.56

WATER YEAR 1917 : Max. 5.29 m. Min. 1.43 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1917 TO MARCH 31, 1918

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	4.51	1.32	1.82	17	80	33	79	134	52	14	5.97	3.00
2	3.81	1.32	3.00	13	65	28	64	135	49	14	5.80	3.00
3	3.00	2.00	3.95	12	70	27	55	129	47	13	5.64	2.87
4	2.75	4.65	4.37	10	64	34	61	112	44	13	5.47	2.87
5	2.50	5.97	6.84	9.43	59	32	74	96	41	12	5.31	2.87
6	2.12	3.67	4.98	7.74	53	33	73	87	37	12	5.14	2.75
7	3.12	2.62	4.81	7.56	48	31	74	79	38	12	5.14	2.62
8	4.09	1.71	4.37	7.74	37	46	72	83	34	11	4.98	2.62
9	3.95	1.51	3.25	7.20	38	52	63	127	31	11	4.98	2.50
10	3.81	1.32	2.37	6.48	49	41	63	135	31	10	4.81	2.50
11	3.67	1.22	2.12	7.02	65	38	67	136	29	10	4.65	2.50
12	3.53	0.90	2.00	8.48	87	41	68	135	28	10	4.65	3.81
13	3.39	0.83	2.12	9.62	73	52	59	135	27	9.81	4.51	3.81
14	3.39	0.77	3.39	12	59	52	101	135	26	9.43	4.37	7.38
15	3.12	0.70	7.92	9.43	52	51	144	134	25	9.24	4.23	7.38
16	2.87	0.63	68	9.05	47	80	141	135	24	9.05	4.09	6.48
17	2.62	0.57	95	7.92	65	74	136	135	23	8.86	4.09	4.51
18	2.00	0.57	50	9.24	68	66	135	134	22	8.67	3.95	4.09
19	1.61	0.57	18	12	55	77	136	133	22	8.48	3.81	3.53
20	1.32	0.63	18	11	43	58	135	132	21	8.48	3.81	3.25
21	1.13	0.83	31	12	35	52	135	130	20	8.29	3.81	3.00
22	1.03	1.51	22	16	33	62	137	121	20	8.10	3.67	3.00
23	0.96	1.51	15	26	50	61	135	109	19	7.92	3.67	3.00
24	0.90	1.61	11	25	83	82	135	103	18	7.74	3.53	2.50
25	0.90	1.61	8.48	46	69	97	137	90	18	7.56	3.39	2.37
26	0.83	1.61	8.29	37	55	100	137	77	17	7.20	3.25	2.12
27	0.77	1.91	11	37	49	111	135	73	16	7.02	3.25	2.37
28	0.70	1.61	16	64	45	123	135	67	16	6.84	3.12	1.91
29	0.63	1.91	19	80	48	128	134	63	15	6.66		1.91
30	0.77	1.91	20	81	45	122	134	59	15	6.48		2.00
31		1.91		88	41		134		15	6.13		2.12
Total	69.80	51.41	468.08	708.91	1,730	1,884	3,289	3,353	840	293.96	123.09	100.64
Mean	2.33	1.65	15.6	22.9	55.8	62.8	106	112	27.1	9.48	4.40	3.25
Max.	4.51	5.97	95	88	87	128	144	136	52	14	5.97	7.38
Min.	0.63	0.57	1.82	6.48	33	27	55	59	15	6.13	3.12	1.91
Runoff - mcm.	6.031	4.442	40.442	61.250	149.472	162.778	284.170	289.699	72.576	25.398	10.635	8.695

WATER YEAR 1917 : Max. 144 Min. 0.57 Mean 35.4 Annual Runoff 1,115.587 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 15	12.00	5.30	145				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1918
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage.

Zero Gage on top at: + 6.60 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

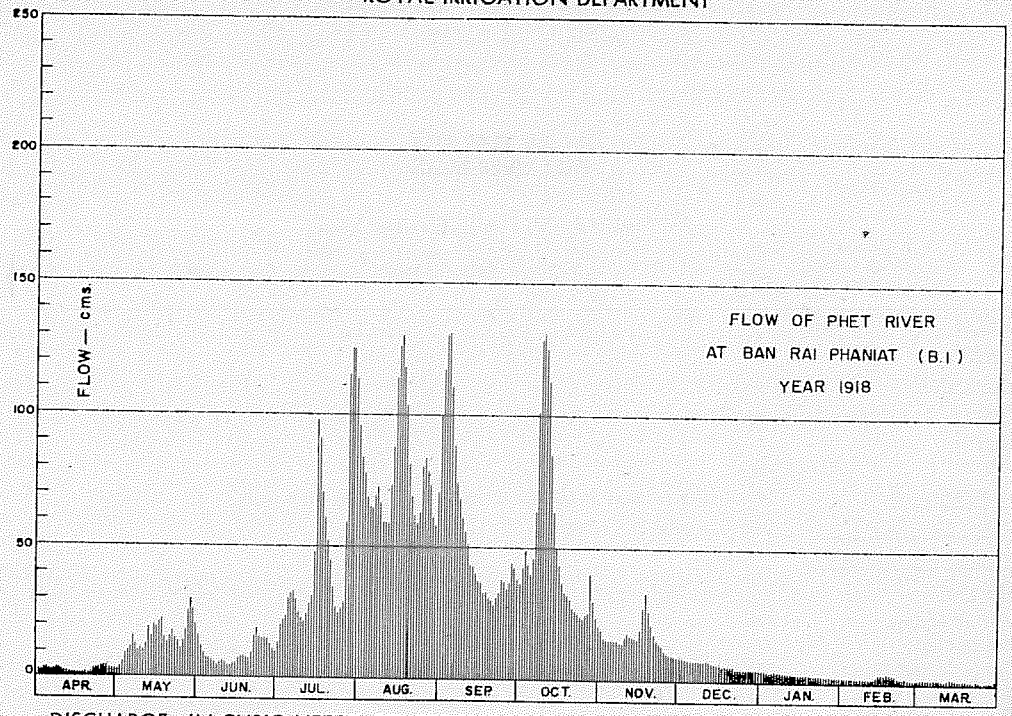
General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1918 TO MARCH 31, 1919

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.65	1.65	2.36	2.24	4.33	4.49	3.03	2.46	2.03	1.77	1.57	1.53
2	.65	.76	.21	.51	.15	.80	.14	.38	.02	.76	.59	.55
3	.69	.91	.07	.57	.05	5.03	.36	.34	.00	.75	.57	.54
4	.70	2.03	1.96	.62	3.83	.05	.20	.33	1.98	.74	.58	.53
5	.66	.11	.95	.82	.74	4.62	.10	.32	.96	.72	.58	.53
6	1.64	2.18	1.90	2.91	3.75	4.25	3.24	2.32	1.95	1.72	1.57	1.52
7	.71	.36	.86	.94	.87	3.93	.75	.30	.95	.71	.56	.53
8	.74	.19	.82	.82	.93	.84	4.32	.29	.94	.70	.55	.52
9	.69	.09	.87	.68	.78	.66	5.00	.28	.95	.70	.55	.51
10	.65	.13	.89	.59	.60	.51	.06	.36	.95	.69	.55	.50
11	1.61	2.11	1.88	2.58	3.59	3.34	4.94	2.44	1.99	1.68	1.55	1.49
12	.59	.15	.80	.67	.61	.21	.69	.39	.95	.68	.54	.54
13	.57	.46	.80	.79	.89	.21	.10	.37	.93	.67	.54	.55
14	.57	.33	.83	.91	4.25	.12	3.61	.35	.90	.67	.61	.53
15	.54	.49	.83	3.29	.76	.06	.37	.31	.90	.67	.69	.51
16	1.53	2.48	1.95	4.42	4.97	3.06	3.21	2.45	1.88	1.67	1.70	1.50
17	.55	.55	.98	.28	5.04	2.95	.06	.74	.87	.66	.68	.50
18	.51	.58	2.00	3.78	4.80	.92	2.95	.95	.86	.66	.75	.50
19	.56	.34	1.99	.64	.51	.86	.90	.68	.84	.65	.69	.50
20	.51	.22	.97	.37	.08	.83	.83	.54	.83	.64	.69	.49
21	1.60	2.35	2.09	3.22	3.83	2.77	2.75	2.39	1.83	1.64	1.67	1.48
22	.68	.42	.38	2.92	.64	.87	.71	.33	.82	.64	.62	.48
23	.69	.34	.48	.75	.61	.92	.67	.29	.82	.63	.58	.50
24	.72	.26	.34	.66	.73	3.07	.63	.21	.81	.63	.56	.48
25	.78	.16	.34	.74	4.06	.06	.59	.16	.81	.61	.56	.48
26	1.79	2.27	2.32	2.81	4.15	2.98	2.66	2.12	1.80	1.61	1.55	1.49
27	.76	.44	.30	3.59	.02	3.06	3.27	.10	.80	.61	.53	.48
28	.68	.70	.22	4.76	3.92	.22	.13	.07	.78	.60	.53	.47
29	.68	.85	.16	.94	.65	.18	2.81	.06	.78	.60		.45
30	.67	.65	.11	.94	.58	.07	.64	.04	.78	.60		.55
31		.50		.72	.86		.54		.77	.59		.51
Mean	1.64	2.29	2.05	3.24	4.02	3.46	3.33	2.31	1.89	1.67	1.60	1.51
Max.	1.79	2.85	2.48	4.94	5.04	5.05	5.06	2.95	2.03	1.77	1.75	1.55
Min.	1.51	1.65	1.80	2.24	3.58	2.77	2.54	2.04	1.77	1.59	1.53	1.45

WATER YEAR 1918 : Max. 5.06 m. Min. 1.45 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1918 TO MARCH 31,1919

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	2.62	2.62	16	13	93	101	36	19	8.67	4.23	1.71	1.32
2	2.62	4.09	12	20	84	117	41	16	8.48	4.09	1.91	1.51
3	3.12	6.48	9.43	22	79	130	49	15	8.10	3.95	1.71	1.42
4	3.25	8.67	7.38	24	68	131	43	15	7.74	3.81	1.82	1.32
5	2.75	10	7.20	30	65	108	39	15	7.38	3.53	1.82	1.32
6	2.50	12	6.30	32	65	89	45	15	7.20	3.53	1.71	1.22
7	3.39	16	5.64	33	70	73	65	15	7.20	3.39	1.61	1.32
8	3.81	12	4.98	30	73	69	93	14	7.02	3.25	1.51	1.22
9	3.12	9.81	5.80	25	66	61	128	14	7.20	3.25	1.51	1.13
10	2.62	11	6.13	23	59	55	131	16	7.20	3.12	1.51	1.03
11	2.12	10	5.97	22	59	49	125	18	7.92	3.00	1.51	0.96
12	1.91	11	4.65	25	59	43	111	17	7.20	3.00	1.42	1.42
13	1.71	19	4.65	29	71	43	82	16	6.84	2.87	1.42	1.51
14	1.71	15	5.14	32	89	40	59	16	6.30	2.87	2.12	1.32
15	1.42	20	5.14	47	115	37	50	15	6.30	2.87	3.12	1.13
16	1.32	19	7.20	98	126	37	43	18	5.97	2.87	3.25	1.03
17	1.51	21	7.74	91	130	33	37	27	5.80	2.75	3.00	1.03
18	1.13	22	8.10	66	117	33	33	33	5.64	2.75	3.95	1.03
19	1.61	15	7.92	61	102	31	32	25	5.31	2.62	3.12	1.03
20	1.13	13	7.56	50	81	30	30	21	5.14	2.50	3.12	0.96
21	2.00	16	9.81	44	68	28	27	17	5.14	2.50	2.87	0.90
22	3.00	18	16	33	61	31	26	15	4.98	2.50	2.25	0.90
23	3.12	15	19	27	59	33	25	14	4.98	2.37	1.82	1.03
24	3.53	14	15	25	64	38	24	12	4.81	2.37	1.61	0.90
25	4.37	11	15	27	80	37	23	11	4.81	2.12	1.61	0.90
26	4.51	14	15	29	84	34	25	10	4.65	2.12	1.51	0.96
27	4.09	18	15	59	78	37	26	10	4.65	2.12	1.32	0.90
28	3.00	26	13	115	73	44	40	9.43	4.37	2.00	1.32	0.83
29	3.00	30	11	125	61	42	29	9.24	4.37	2.00		0.70
30	2.87	24	10	125	58	38	24	8.86	4.37	2.00		1.51
31		20		113	70		21		4.23	1.91		1.13
Total	78.86	463.67	283.74	1,495	2,427	1,672	1,582	476.53	189.97	88.26	57.16	34.89
Mean	2.63	14.9	9.46	48.2	78.3	55.7	51.0	15.9	6.13	2.85	2.04	1.12
Max.	4.51	30	19	125	130	131	131	33	8.67	4.23	3.95	1.51
Min.	1.13	2.62	4.65	13	58	28	21	8.86	4.23	1.91	1.32	0.70
Runoff - mcm.	6.813	40.061	24.515	129.168	209.693	144.461	136.685	41.172	16.413	7.626	4.939	3.014

WATER YEAR 1918 : Max. 131 Min. 0.70 Mean 24.2 Annual Runoff 764.560 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 10	06.00	5.10	133				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

W/ TER YEAR 1919
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (S. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage.

Zero Gage on top at: + 6.60 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location: –

Elevation: + 5.677 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: 1915–1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

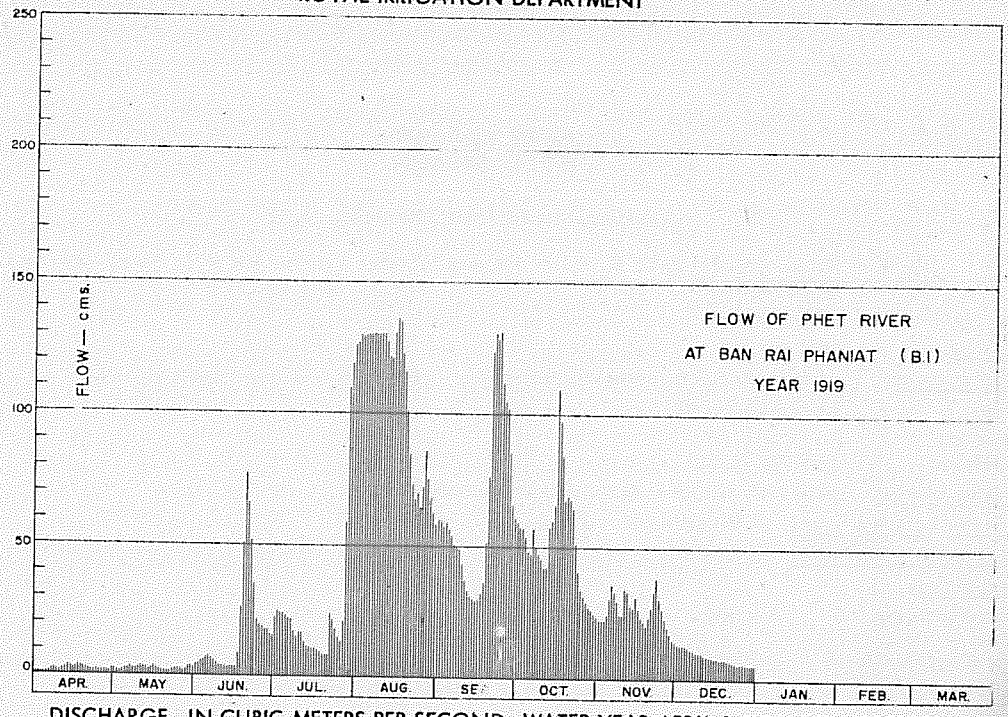
Remark: No Record for periods January 1 – March 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1919 TO MARCH 31, 1920

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.49	1.62	1.82	2.64	4.98	3.62	3.61	2.57	2.25			
2	.46	.55	.81	.66	5.03	.59	.56	.56	.24			
3	.46	.54	.87	.63	.02	.54	.54	.56	.22			
4	.44	.62	.90	.62	.03	.60	.44	.65	.19			
5	.45	.65	.94	.61	.03	.53	.29	.85	.17			
6	1.49	1.66	1.95	2.56	5.03	3.44	3.29	3.02	2.15			
7	.62	.68	.91	.56	.03	.38	.55	2.92	.14			
8	.62	.66	.85	.39	.03	.34	.38	.81	.12			
9	.58	.65	.81	.34	.04	.33	.29	.64	.11			
10	.57	.71	.75	.40	.03	.20	.26	.63	.08			
11	1.61	1.74	1.74	2.39	5.03	3.00	3.17	2.96	2.05			
12	.68	.71	.72	.23	4.99	2.92	.17	.94	.04			
13	.73	.70	.68	.17	.88	.87	.56	.78	.01			
14	.72	.58	.74	.15	.87	.82	.62	.74	.00			
15	.63	.69	.73	.15	5.04	.80	.80	.86	1.99			
16	1.66	1.72	1.72	2.14	5.15	2.84	4.65	2.74	1.98			
17	.72	.67	2.39	.12	.12	.90	.43	.59	.96			
18	.72	.63	.85	.06	4.90	3.06	.12	.57	.96			
19	.69	.59	3.54	.02	.78	.42	3.75	.50	.96			
20	.63	.55	4.00	.02	.43	.98	.84	.61	.94			
21	1.62	1.53	3.71	2.03	4.14	4.91	3.82	2.74	1.92			
22	.57	.53	.43	.64	3.93	5.03	.75	.95	.89			
23	.58	.61	2.63	.54	.80	.01	.34	3.08	.89			
24	.60	.67	.57	.44	.86	.06	.07	2.84	.88			
25	.59	.67	.51	.30	.71	4.67	2.93	.72	.87			
26	1.58	1.61	2.47	2.14	3.95	4.56	2.86	2.60	1.86			
27	.60	.59	.43	.54	4.16	.51	.80	.50	.86			
28	.57	.62	.42	3.77	3.91	.08	.75	.41	.85			
29	.54	.72	.37	4.67	.80	3.65	.70	.33	.85			
30	.64	.73	.35	.93	.64	.64	.65	.27	.84			
31		.70		.96	.58		.61		.83			
Mean	1.59	1.64	2.28	2.64	4.58	3.68	3.41	2.70	2.00			
Max.	1.73	1.74	4.00	4.96	5.15	5.06	4.65	3.08	2.25			
Min.	1.44	1.53	1.68	2.02	3.58	2.80	2.61	2.27	1.83			

WATER YEAR 1919 : Max. 5.15 m. Min. m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1919 TO MARCH 31, 1920

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.96	2.25	4.98	24	127	60	59	22	13			
2	0.77	1.51	4.81	25	130	59	57	22	13			
3	0.77	1.42	5.80	24	129	57	57	22	13			
4	0.63	2.37	6.30	24	130	59	53	24	12			
5	0.70	2.62	7.02	23	130	56	47	30	12			
6	0.96	2.75	7.20	22	130	53	47	36	11			
7	2.25	3.00	6.48	22	130	50	57	33	11			
8	2.25	2.75	5.47	17	130	49	50	29	10			
9	1.82	2.62	4.81	15	130	49	47	24	10			
10	1.71	3.39	3.95	17	130	43	45	24	9.62			
11	2.12	3.81	3.81	17	130	35	42	34	9.05			
12	3.00	3.39	3.53	13	127	33	42	33	8.86			
13	3.67	3.25	3.00	12	121	31	57	28	8.29			
14	3.53	1.82	3.81	11	121	30	60	27	8.10			
15	2.37	3.12	3.67	11	130	29	67	31	7.92			
16	2.75	3.53	3.53	11	136	30	109	27	7.74			
17	3.53	2.87	9.81	10	135	32	98	23	7.38			
18	3.53	2.37	30	9.24	122	37	83	22	7.38			
19	3.12	1.91	57	8.48	116	52	65	20	7.38			
20	2.37	1.51	77	8.48	98	76	69	23	7.02			
21	2.25	1.32	63	8.67	84	123	68	27	6.66			
22	1.71	1.32	52	24	73	130	65	33	6.13			
23	1.82	2.12	30	21	67	128	49	38	6.13			
24	2.00	2.87	22	18	70	131	38	30	5.97			
25	1.91	2.87	20	15	63	110	33	27	5.80			
26	1.82	2.37	19	13	74	105	31	23	5.64			
27	2.00	1.91	18	21	86	102	29	20	5.64			
28	1.71	2.25	18	66	72	81	27	17	5.47			
29	1.42	3.53	16	110	67	61	26	15	5.47			
30	2.50	3.67	16	124	61	61	24	14	5.31			
31		3.25		126	58		23		5.14			
Total	61.95	79.74	525.98	870.87	3,307	1,952	1,624	778	257.10			
Mean	2.06	2.57	17.5	28.1	107	65.1	52.4	25.9	8.29			
Max.	3.67	3.81	77	126	136	131	109	38	13			
Min.	0.63	1.32	3.00	8.48	58	29	23	14	5.14			
Runoff - mcm.	5.352	6.889	45.445	75.243	285.725	168.653	140.314	67.219	22.213			

WATER YEAR 1919 : Max. 136 Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 16	12.00	515	136				

WATER YEAR 1920
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (S. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.60 m. (M.S.L.) to December 14, 1920 and used + 7.078 m. (M.S.L.) since December 15, 1920.

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float: -

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

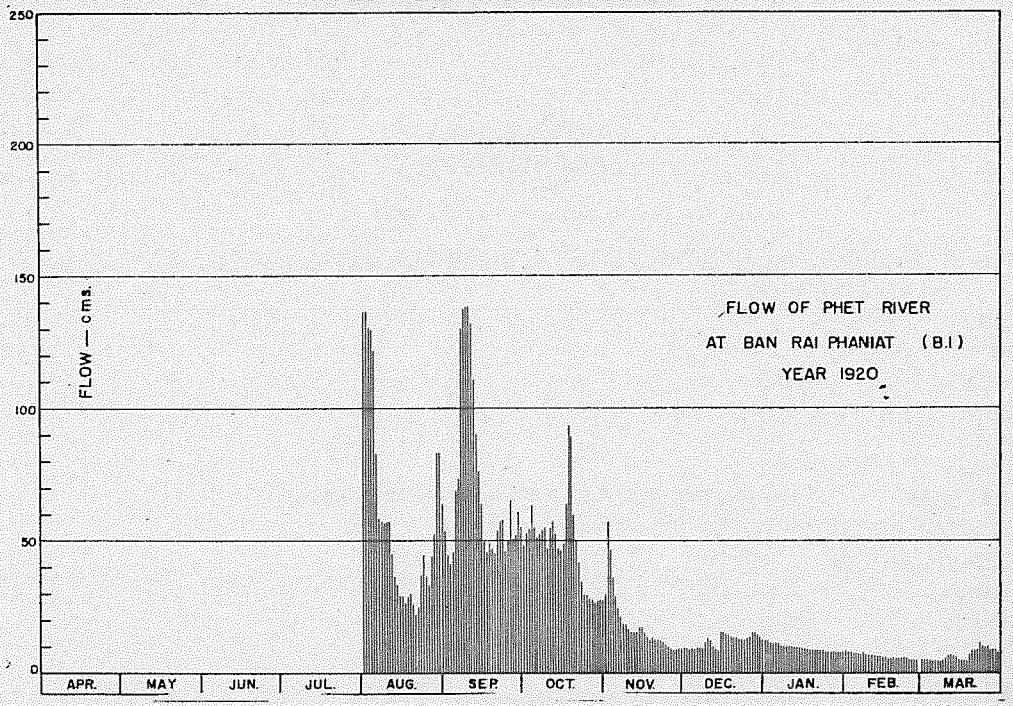
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Divisions. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: No records for period April 1 - July 31.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1920 TO MARCH 31, 1921

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					5.14	3.46	3.30	2.84	2.06	2.19	2.00	1.80
2					.14	.23	.45	3.55	.04	.18	1.97	.79
3					.03	.15	.42	.26	.02	.16	.95	.78
4					.02	.16	.71	2.87	.02	.15	.94	.78
5					4.78	.82	.45	.76	.01	.14	.95	.78
6					3.80	3.92	3.39	2.62	2.07	2.14	1.93	1.78
7					.72	5.02	.45	.50	.04	.12	.92	.80
8					.56	.17	.48	.42	.02	.12	.95	.82
9					.53	.19	.50	.42	.13	.10	.90	.85
10					.56	.19	.25	.38	.22	.08	.90	.88
11					3.55	5.06	3.50	2.33	2.20	2.08	1.90	1.94
12					.08	4.65	.54	.33	.05	.07	.89	.89
13					.02	.28	.40	.34	.03	.06	.89	.90
14					2.92	3.99	.30	.40	1.99	.05	.88	.88
15					.81	.68	.28	.41	2.31	.05	.87	.81
16					2.79	3.37	3.35	2.33	2.31	2.04	1.86	1.79
17					.71	.25	.64	.25	.28	.03	.85	.80
18					.81	.34	4.32	.21	.26	.02	.85	.82
19					.84	.29	.23	.22	.24	.02	.84	.92
20					.68	.24	3.54	.21	.23	.02	.83	2.00
21					2.58	3.45	3.34	2.19	2.22	2.02	1.84	2.03
22					.68	.55	.13	.18	.21	.01	.83	.01
23					3.06	.57	2.93	.14	.21	.00	.85	.16
24					.22	.26	.80	.11	.21	1.99	.83	.08
25					2.97	.37	.79	.05	.23	.99	.82	.07
26					2.91	3.74	2.74	2.04	2.23	1.99	1.81	2.09
27					3.21	.37	.72	.02	.33	.97	.82	.04
28					.31	.43	.69	.04	.34	.97	.81	.03
29					4.13	.66	.72	.03	.27	.95		.04
30					.12	.50	.72	.03	.24	.95		1.98
31					3.66		.72		.21	.95		.91
Mean					3.49	3.81	3.28	2.38	2.17	2.05	1.88	1.91
Max.					5.14	5.19	4.32	3.55	2.34	2.19	2.00	2.16
Min.					2.58	3.15	2.72	2.02	1.99	1.95	1.81	1.78

WATER YEAR 1920 : Max. m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1920 TO MARCH 31, 1921

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					136	53	47	30	9.24	12	8.10	4.65
2					136	44	53	57	8.86	12	7.56	4.51
3					130	41	52	45	8.48	11	7.20	4.37
4					129	41	63	31	8.67	11	7.02	4.37
5					116	68	53	28	8.29	11	7.02	4.37
6					67	73	51	24	9.43	11	6.84	4.37
7					64	129	53	20	8.86	10	6.66	4.65
8					57	137	54	18	8.48	10	7.20	4.98
9					56	138	55	18	11	10	6.30	5.47
10					57	138	45	16	13	9.62	6.30	5.97
11					57	131	55	15	12	9.62	6.30	7.02
12					38	109	57	15	9.05	9.43	6.13	6.13
13					36	91	51	15	8.67	9.24	6.13	6.30
14					33	76	47	17	7.92	9.05	5.97	5.97
15					29	62	46	17	15	9.05	5.80	4.81
16					29	50	49	15	15	8.86	5.64	4.51
17					26	45	61	13	14	8.67	5.47	4.65
18					29	49	93	12	14	8.48	5.47	4.98
19					30	47	88	13	13	8.48	5.31	6.66
20					25	45	57	12	13	8.48	5.14	8.10
21					22	53	49	12	13	8.48	5.31	8.67
22					25	57	40	12	12	8.29	5.14	8.29
23					37	58	33	11	12	8.10	5.47	11
24					44	45	29	10	12	7.92	5.14	9.62
25					34	50	29	9.05	13	7.92	4.98	9.43
26					32	65	27	8.86	13	7.92	4.81	9.81
27					43	50	27	8.48	15	7.56	4.98	8.86
28					47	52	26	8.86	15	7.56	4.81	8.67
29					83	61	27	8.67	14	7.20		8.86
30					83	55	27	8.67	13	7.20		7.74
31					61		27		12	7.20		6.48
Total					1,791	2,113	1,471	528.59	359.95	282.33	168.38	204.27
Mean					57.8	70.4	47.4	17.6	11.6	9.11	6.01	6.59
Max.					136	138	93	57	15	12	8.10	11
Min.					22	41	26	8.46	7.92	7.20	4.81	4.37
Runoff - mcm.					154.742	182.563	127.094	45.670	31.100	24.393	14.548	17.649

WATER YEAR 1920 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1921
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 7.078 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location: –

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by TechnicalDivision.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

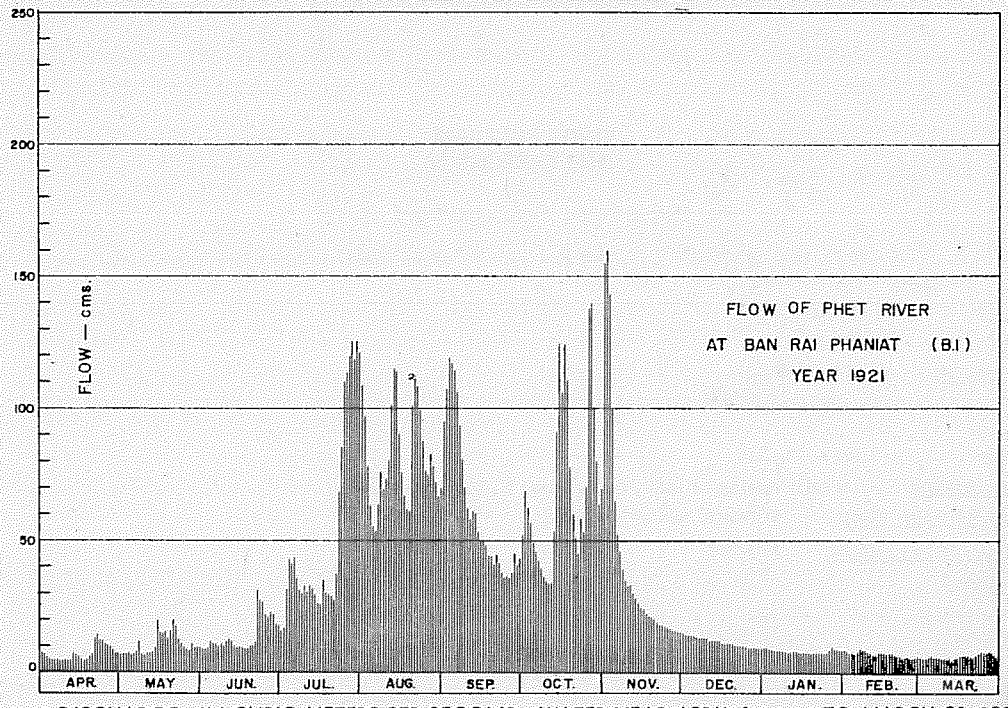
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream stage diversions except those built by local resident. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.94	1.93	2.04	2.37	4.58	4.34	3.53	5.47	2.31	2.05	2.02	1.87
2	.92	.94	.02	.41	.38	.58	.85	.55	.29	.05	1.98	.85
3	.84	.92	.05	.87	3.96	.84	.71	.18	.28	.04	.95	.85
4	.82	.95	.17	3.21	.68	.81	.55	4.09	.27	.03	.94	.87
5	.80	.93	.13	.16	.50	.77	.38	3.67	.26	.02	.93	.91
6	1.78	1.96	2.13	3.22	3.44	4.59	3.25	3.42	2.24	2.01	2.04	1.87
7	.77	2.00	.10	.00	.80	.33	.17	.23	.25	.01	.05	.85
8	.77	.19	.14	2.88	.99	.05	.13	.10	.24	.00	.00	.84
9	.77	1.89	.11	.82	.85	3.83	.03	.01	.23	1.99	.01	.83
10	.79	.89	.18	.92	.95	.65	2.96	2.92	.22	.99	1.97	.84
11	1.83	1.94	2.25	2.82	4.11	3.57	2.97	2.94	2.20	1.98	1.94	1.84
12	.84	.94	.21	.95	.49	.66	.97	.83	.19	.97	.93	.84
13	.97	.97	.10	.90	.77	.62	3.56	.76	.18	.97	.92	.82
14	.91	2.04	.08	.80	.75	.43	4.31	.70	.17	.96	.98	.86
15	.84	.49	.08	.70	.22	.38	.95	.65	.17	.96	.97	.86
16	1.80	2.31	2.06	2.71	3.89	3.38	4.53	2.62	2.16	1.96	1.95	1.89
17	.77	.32	.04	3.00	.76	.32	.92	.58	.15	.95	.93	.92
18	.78	.38	.03	2.83	.66	.23	.64	.55	.15	.95	.94	.90
19	.91	.25	.06	.83	.64	.23	3.90	.52	.14	.95	.94	.89
20	.87	.35	.11	.81	4.46	.16	.60	.50	.14	.94	.91	.88
21	2.23	2.51	2.16	2.72	4.69	3.25	3.40	2.47	2.12	1.95	1.89	1.86
22	.31	.41	.86	.98	.62	.16	.22	.45	.11	.95	.88	.92
23	.18	.18	.74	3.82	.44	.08	.58	.43	.10	.95	.86	.98
24	.18	.14	.72	4.14	.20	.02	.46	.41	.10	.94	.85	.99
25	.13	.05	.58	.66	3.99	.05	.68	.39	.09	.94	.85	.98
26	2.12	2.03	2.55	4.72	3.96	3.02	5.16	2.38	2.08	2.03	1.85	1.99
27	.09	.04	.59	.89	4.12	.08	.21	.36	.07	.11	.85	2.02
28	1.99	.13	.60	.95	.02	.25	4.50	.35	.06	.04	.87	1.97
29	.94	.07	.43	.80	3.90	.12	.05	.33	.06	.03		.92
30	.95	.09	.44	.95	.81	.23	3.60	.32	.05	.01		.87
31		.09		.88	.87		.46		.05	.00		.84
Mean	1.93	2.11	2.26	3.38	4.08	3.63	3.78	3.00	2.16	1.99	1.93	1.89
Max.	2.31	2.51	2.86	4.95	4.77	4.84	5.21	5.55	2.31	2.11	2.05	2.02
Min.	1.77	1.89	2.02	2.37	3.44	3.02	2.96	2.32	2.05	1.94	1.85	1.82

WATER YEAR 1920 : Max. 5.55 m. Min. 1.77 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1921 TO MARCH 31, 1922

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	7.02	6.84	8.86	16	106	94	56	155	15	9.05	8.48	5.80
2	6.66	7.02	8.48	17	96	106	69	160	14	9.05	7.74	5.47
3	5.31	6.66	9.05	31	75	119	63	138	14	8.86	7.20	5.47
4	4.98	7.20	12	43	62	117	57	81	14	8.67	7.02	5.80
5	4.65	6.84	11	41	55	115	50	62	14	8.48	6.84	6.48
6	4.37	7.38	11	44	53	106	45	52	13	8.29	8.86	5.80
7	4.23	8.10	10	35	67	93	42	44	13	8.29	9.05	5.47
8	4.23	12	11	31	76	79	40	39	13	8.10	8.10	5.31
9	4.23	6.13	10	30	69	68	36	35	13	7.92	8.29	5.14
10	4.51	6.13	12	33	74	61	34	33	13	7.92	7.56	5.31
11	5.14	7.02	13	30	82	56	34	33	12	7.74	7.02	5.31
12	5.31	7.02	12	33	101	61	34	30	12	7.56	6.84	5.31
13	7.56	7.56	10	32	115	60	57	28	12	7.56	6.66	4.98
14	6.48	8.86	9.62	29	114	52	92	26	12	7.38	7.74	5.64
15	5.31	20	9.62	26	88	50	125	24	12	7.38	7.56	5.64
16	4.65	15	9.24	26	71	50	103	24	11	7.38	7.20	6.13
17	4.23	15	8.86	35	65	48	124	22	11	7.20	6.84	6.66
18	4.37	16	8.67	30	61	44	109	21	11	7.20	7.02	6.30
19	6.48	13	9.24	30	61	44	72	21	11	7.20	7.02	6.13
20	5.80	16	10	29	100	41	59	20	11	7.02	6.48	5.97
21	13	20	11	27	111	45	51	19	10	7.20	6.13	5.64
22	15	17	31	34	108	41	44	18	10	7.20	5.97	6.66
23	12	12	27	68	99	38	58	18	10	7.20	5.64	7.74
24	12	11	27	84	87	36	53	17	10	7.02	5.47	7.92
25	11	9.05	22	110	76	37	62	17	9.81	7.02	5.47	7.74
26	10	8.67	21	113	75	36	137	16	9.62	8.67	5.47	7.92
27	9.81	8.86	23	122	83	38	140	16	9.43	10	5.47	8.48
28	7.92	11	23	125	78	45	102	16	9.24	8.86	5.80	7.56
29	7.02	9.43	18	117	72	40	79	15	9.24	8.67		6.66
30	7.20	9.81	18	125	67	44	59	15	9.05	8.29		5.80
31		9.81		121	70		53		9.05	8.10		5.31
Total	210.47	326.39	424.64	1,667	2,517	1,866	2,139	1,215	356.44	246.48	194.94	191.55
Mean	7.01	10.5	14.1	53.8	82.2	62.2	69.0	40.5	11.5	7.95	6.96	6.18
Max.	15	20	31	125	115	119	140	160	15	10	9.05	8.48
Min.	4.23	6.13	8.48	16	53	36	34	15	9.05	7.02	5.47	4.98
Runoff – MCM.	18.185	28.200	36.689	144.029	217.469	161.222	184.810	104.976	30.796	21.296	16.843	16.550

WATER YEAR 1921 : Max. 160 Min. 4.23 Mean 31.1 Annual Runoff 981.064 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 2	06.00	5.57	161				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1922
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (S. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 7.078 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.697 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

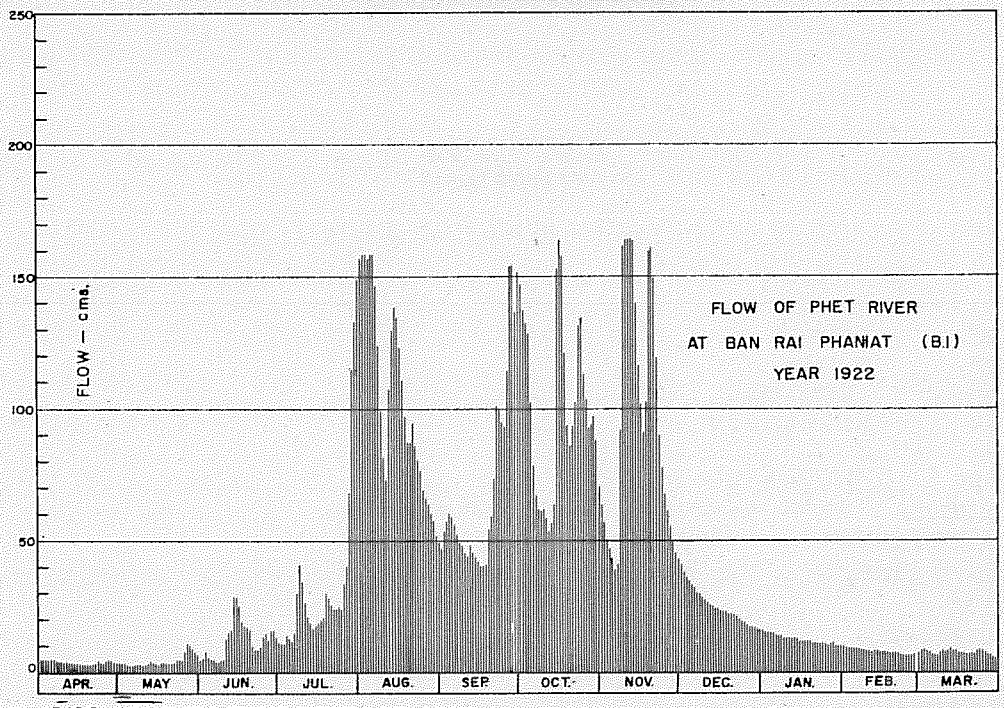
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.82	1.71	1.78	2.14	5.50	3.29	5.33	3.68	3.14	2.35	2.09	1.96
2	.81	.70	.85	.15	.52	.47	.17	.52	.07	.34	.07	2.03
3	.80	.70	.98	.15	.52	.55	.08	.37	.02	.33	.06	.03
4	.79	.67	.83	.26	.49	.63	.01	.28	2.97	.31	.05	1.98
5	.79	.65	.79	.23	.51	.61	4.44	.19	.93	.31	.04	.95
6	1.77	1.65	1.77	2.20	5.51	3.49	4.05	3.11	2.89	2.29	2.04	1.93
7	.76	.65	.75	.37	.25	.39	3.78	.07	.85	.28	.03	.92
8	.75	.68	.75	.82	4.71	.36	.64	4.27	.82	.26	.02	.91
9	.74	.68	.76	3.15	.37	.33	.64	5.57	.78	.25	.02	.97
10	.73	.66	.82	2.95	.07	.24	.69	.62	.74	.25	.01	2.02
11	1.73	1.65	2.23	2.70	3.86	3.19	3.57	5.62	2.71	2.24	2.00	1.98
12	.72	.71	.34	.55	4.65	.32	.45	.61	.68	.23	1.99	2.02
13	.71	.76	.38	.46	5.03	.23	.57	.60	.66	.22	2.00	.06
14	.70	.72	.81	.40	.18	.19	.78	.15	.64	.22	1.99	.01
15	.69	.68	.77	.44	.10	.14	5.41	4.73	.62	.21	.99	.01
16	1.69	1.67	2.59	2.48	4.89	3.13	5.61	4.51	2.60	2.20	1.99	1.96
17	.68	.72	.44	.49	.64	.13	.50	.23	.59	.19	.97	.94
18	.68	.72	.40	.55	.40	.16	4.78	.39	.59	.18	.96	.94
19	.68	.72	.40	.82	.21	.47	.28	5.54	.57	.17	.95	.92
20	.68	.70	.15	.78	.20	.52	.17	.57	.57	.16	.94	.93
21	1.69	1.69	2.06	2.66	4.35	3.95	4.34	5.32	2.57	2.15	1.94	1.92
22	.74	.72	.01	.62	.14	4.48	.50	4.69	.53	.14	.94	.93
23	.76	.79	.02	.65	.09	.47	5.03	.29	.50	.13	.93	2.01
24	.72	.79	.08	.66	.01	.37	.11	3.98	.46	.13	.92	.00
25	.71	.77	.28	.63	3.84	.31	4.70	.81	.46	.13	.91	1.99
26	1.79	2.01	2.30	2.99	3.78	4.72	4.56	3.64	2.44	2.12	1.91	1.96
27	.81	.15	.20	3.12	.73	5.45	.26	.30	.41	.13	.91	.90
28	.77	.10	.35	.95	.62	.45	.34	.37	.40	.14	.92	.89
29	.75	.02	.35	4.78	.54	.07	.41	.27	.39	.09		.87
30	.73	1.99	.22	5.11	.43	.41	.20	.19	.38	.12		.85
31		.92		.35	.36		3.91		.37	.10		.85
Mean	1.74	1.77	2.15	2.86	4.50	3.82	4.43	4.29	2.66	2.20	1.98	1.96
Max.	1.82	2.05	2.81	5.35	5.52	5.45	5.61	5.62	3.14	2.35	2.09	2.06
Min.	1.68	1.65	1.75	2.14	3.36	3.13	3.45	3.07	2.37	2.09	1.91	1.85

WATER YEAR 1922 : Max. 5.62 m. Min. 1.65 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1922 TO MARCH 31, 1923

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	4.98	3.39	4.37	11	157	47	147	62	41	16	9.81	7.38
2	4.81	3.25	5.47	11	158	54	137	56	38	15	9.43	8.67
3	4.65	3.25	7.74	11	158	57	132	50	36	15	9.24	8.67
4	4.51	2.87	5.14	14	156	60	128	46	34	15	9.05	7.74
5	4.51	2.62	4.51	13	158	59	99	43	33	15	8.86	7.20
6	4.23	2.62	4.23	12	158	55	79	39	32	14	8.86	6.84
7	4.09	2.62	3.95	16	142	51	66	38	30	14	8.67	6.66
8	3.95	3.00	3.95	30	112	49	61	90	30	14	8.48	6.48
9	3.81	3.00	4.09	41	95	48	61	161	28	13	8.48	7.56
10	3.67	2.75	4.98	33	80	45	62	164	27	13	8.29	8.48
11	3.67	2.62	13	26	70	43	58	164	26	13	8.10	7.74
12	3.53	3.39	15	21	109	48	53	164	25	13	7.92	8.48
13	3.39	4.09	16	19	130	44	58	163	25	13	8.10	9.24
14	3.25	3.53	29	17	138	43	66	136	24	13	7.92	8.29
15	3.12	3.00	28	18	133	41	152	113	24	12	7.92	8.29
16	3.12	2.87	23	19	122	40	164	102	23	12	7.92	7.38
17	3.00	3.53	18	20	109	40	157	88	23	12	7.56	7.02
18	3.00	3.53	17	21	97	41	116	96	23	12	7.38	7.02
19	3.00	3.53	17	30	87	54	91	159	22	12	7.20	6.66
20	3.00	3.25	11	28	87	56	85	161	22	11	7.02	6.84
21	3.12	3.12	9.24	25	94	74	94	146	22	11	7.02	6.66
22	3.81	3.53	8.29	24	84	101	102	111	21	11	7.02	6.84
23	4.09	4.51	8.48	24	81	100	130	91	20	11	6.84	8.29
24	3.53	4.51	9.62	25	77	95	134	76	19	11	6.66	8.10
25	3.39	4.23	14	24	69	92	112	67	19	11	6.48	7.92
26	4.51	8.29	15	35	66	113	103	61	18	10	6.48	7.38
27	4.81	11	12	40	64	154	90	55	17	11	6.48	6.30
28	4.23	10	16	74	60	154	94	50	17	11	6.66	6.13
29	3.95	8.48	16	116	57	132	97	46	17	9.81		5.80
30	3.67	7.92	13	134	52	152	87	43	16	10		5.47
31		6.66		148	49		72		16	10		5.47
Total	114.40	134.96	357.06	1,080	3,209	2,142	3,087	2,841	768	383.81	219.85	227.00
Mean	3.81	4.35	11.9	34.8	103	71.4	99.6	94.7	24.8	12.4	7.85	7.32
Max.	4.98	11	29	148	158	154	164	164	41	16	9.81	9.24
Min.	3.00	2.62	3.95	11	49	40	53	38	16	9.81	6.48	5.47
Runoff - mcm.	9.884	11.660	30.850	93.312	277.258	185.069	266.717	245.462	66.355	33.161	18.995	19.613

WATER YEAR 1922 : Max. 164 Min. 2.62 Mean 39.9 Annual Runoff 1,258.336 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct.16	06.00	5.61	164				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1923
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage.

Zero Gage on top at: + 7.078 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float;

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

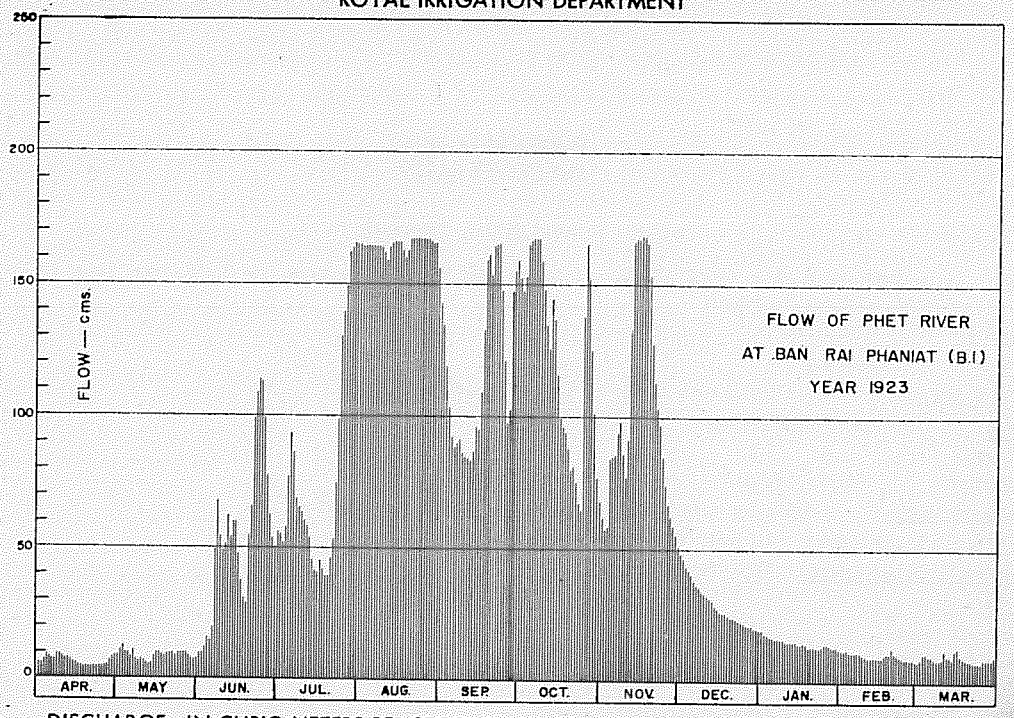
General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.86	2.09	2.11	3.52	5.63	5.25	5.41	3.69	3.33	2.46	2.19	1.98
2	.85	.13	.10	.51	.62	.05	.33	.55	.27	.45	.18	2.00
3	.97	.22	.17	.43	.62	4.81	.43	.59	.20	.42	.17	.14
4	2.09	.12	.37	.64	.62	.52	.64	4.14	.17	.41	.16	.13
5	.00	.10	.32	4.04	.62	.32	.66	.17	.13	.39	.15	.08
6	1.94	2.01	2.50	4.33	5.61	4.22	5.66	4.19	3.08	2.38	2.15	2.06
7	.96	.14	3.31	.18	.61	.27	.66	.36	.03	.37	.14	.03
8	2.08	1.95	.82	3.85	.61	.28	.66	.42	2.99	.36	.14	.02
9	.06	.92	.51	.75	.62	.19	.55	.18	.95	.35	.12	.00
10	.00	.97	.35	.72	.58	.15	.33	3.97	.92	.34	.10	.00
11	1.99	1.92	3.36	3.63	5.51	4.15	5.09	4.28	2.89	2.33	2.09	2.21
12	2.00	.86	.68	.57	.62	.13	4.93	5.17	.86	.32	.08	.10
13	1.95	.83	.42	.44	.64	.20	5.28	.65	.85	.31	.07	.09
14	.90	.91	.63	.26	.65	.39	.13	.67	.83	.30	.06	.03
15	.88	2.05	.63	.14	.65	.36	4.78	.67	.78	.29	.05	.19
16	1.85	2.12	3.28	3.15	5.65	4.66	4.45	5.68	2.74	2.28	2.05	2.22
17	.81	.12	.05	.24	.60	5.14	.38	.68	.71	.30	.12	.12
18	.82	.03	2.86	.15	.55	.54	.35	.66	.69	.26	.15	.07
19	.81	.03	.81	.09	.60	.57	.22	.43	.67	.25	.15	.03
20	.79	.06	3.53	.12	.67	.41	.05	.03	.65	.24	.23	.00
21	1.77	2.09	3.77	3.31	5.67	5.62	4.09	4.75	2.63	2.25	2.15	1.99
22	.80	.11	4.46	.53	.67	.64	3.97	.52	.61	.25	.11	.97
23	.80	.03	.64	4.07	.67	.64	.78	.41	.59	.24	.07	.97
24	.82	.11	.74	.54	.67	.27	.75	.17	.58	.22	.04	.95
25	.81	.10	.72	5.05	.67	4.83	5.16	3.96	.56	.26	.03	.94
26	1.82	2.11	4.51	5.22	5.67	4.40	5.64	3.80	2.54	2.27	2.00	2.03
27	.86	.10	.03	.38	.66	.55	.30	.69	.53	.26	.01	.02
28	.95	.03	3.68	.58	.65	5.35	4.76	.60	.52	.23	.00	.04
29	2.00	1.98	.48	.62	.64	.46	.32	.49	.50	.22	1.99	.02
30	.03	.98	.38	.63	.63	.54	.03	.40	.49	.22		.09
31		.97		.63	.43		3.83		.48	.21		.11
Mean	1.91	2.04	3.41	4.01	5.62	4.83	4.86	4.46	2.80	2.30	2.10	2.05
Max.	2.09	2.22	4.74	5.63	5.67	5.64	5.66	5.68	3.33	2.46	2.19	2.21
Min.	1.77	1.83	2.10	3.09	5.43	4.13	3.75	3.40	2.48	2.21	1.99	1.94

WATER YEAR 1923 : Max. 5.68 m. Min. 1.77 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1923 TO MARCH 31, 1924

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.64	9.81	10	56	165	142	152	62	48	19	12	7.74
2	5.47	11	10	55	164	131	147	57	46	18	12	8.10
3	7.56	13	12	52	164	117	153	59	43	18	12	11
4	9.81	10	16	61	164	103	165	84	42	17	11	11
5	8.10	10	15	79	164	93	167	85	40	17	11	9.62
6	7.02	8.29	20	93	164	88	167	86	38	16	11	9.24
7	7.38	11	47	86	164	90	167	95	36	16	11	8.67
8	9.62	7.20	68	69	164	91	167	98	35	16	11	8.48
9	9.24	6.66	55	65	164	86	160	86	33	16	10	8.10
10	8.10	7.56	49	64	162	84	147	75	33	15	10	8.10
11	7.92	6.66	49	60	158	84	133	91	32	15	9.81	12
12	8.10	5.64	62	58	164	83	124	137	31	15	9.62	10
13	7.20	5.14	52	53	165	87	144	166	30	15	9.43	9.81
14	6.30	6.48	60	45	166	96	135	167	30	15	9.24	8.67
15	5.97	9.05	60	41	166	95	116	167	28	14	9.05	12
16	5.47	10	46	41	166	110	99	168	27	14	9.05	13
17	4.81	10	37	45	163	136	96	168	26	15	10	10
18	4.98	8.67	31	41	160	159	94	165	26	14	11	9.43
19	4.81	8.67	29	39	163	161	88	153	25	13	11	8.67
20	4.51	9.24	56	40	167	152	79	130	24	13	13	8.10
21	4.23	9.81	66	47	167	164	81	114	24	13	11	7.92
22	4.65	10	100	56	167	165	75	103	23	13	10	7.56
23	4.65	8.67	109	80	167	165	66	97	23	13	9.43	7.56
24	4.98	10	114	104	167	143	65	85	22	13	8.86	7.20
25	4.81	10	113	131	167	119	137	75	22	14	8.67	7.02
26	4.98	10	102	140	167	97	165	67	21	14	8.10	8.67
27	5.64	10	78	150	167	104	145	62	21	14	8.29	8.48
28	7.20	8.67	62	162	166	148	115	59	21	13	8.10	8.86
29	8.10	7.74	54	164	165	155	93	55	20	13	7.92	8.48
30	8.67	7.74	50	165	165	159	78	51	20	13		9.81
31		7.56		165	153		68		19	12		10
Total	195.92	274.26	1,632	2,507	5,095	3,607	3,788	3,067	909	456	292.57	283.29
Mean	6.53	8.85	54.4	80.9	164	120	122	102	29.3	14.7	10.1	9.14
Max.	9.81	13	114	165	167	165	167	168	46	19	12	12
Min.	4.23	5.14	10	39	153	83	65	51	19	12	9.92	7.02
Runoff - MCM.	16.927	23.696	141.005	216.605	353.808	311.645	327.283	264.989	78.538	39.398	25.278	24.476

WATER YEAR 1923 : Max. 168 Min. 4.23 Mean 60.4 Annual Runoff 1,910.048 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 16	06.00	5.68	168				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1924
PHET RIVER BASIN

Phet River at BanRai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sh.km.

Type of Gage: Staff gage

Zero Gage on top at: + 7.078 m. (M.S.L.) since October 1, 1924 used + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.677 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

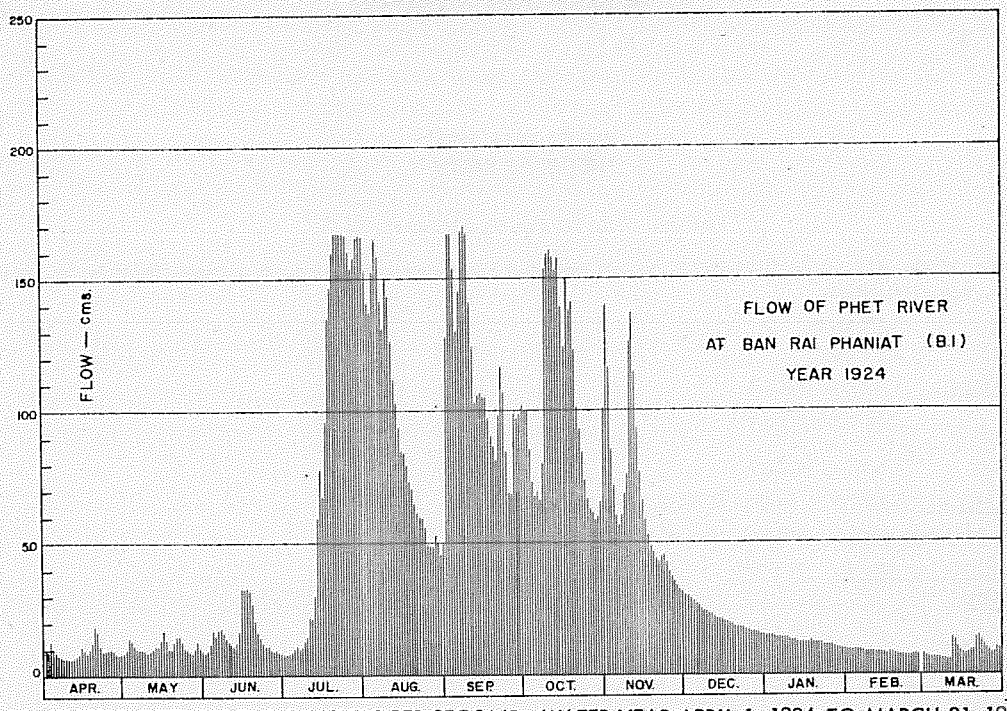
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	2.08	2.02	2.03	2.00	5.55	4.92	4.46	5.22	2.84	2.33	2.07	1.94
2	.03	.12	.10	1.98	.23	5.67	.47	4.66	.82	.32	.07	.92
3	.24	.26	.21	2.00	.15	.66	.14	.01	.80	.31	.06	.91
4	.10	.22	.39	.03	.45	.40	3.88	3.86	.76	.29	.06	.90
5	.02	.13	.34	.11	.64	4.96	.81	.56	.74	.29	.06	.90
6	1.98	2.11	2.45	2.15	5.56	5.35	3.86	3.54	2.71	2.28	2.05	1.90
7	.94	.09	.43	.12	.28	.68	.78	.66	.68	.27	.04	.89
8	.92	.12	.38	.15	.00	.72	.83	.87	.65	.26	.04	.88
9	.91	.05	.26	.29	.38	.67	5.45	4.01	.63	.26	.03	.88
10	.90	.03	.22	.32	.26	.25	.55	.98	.61	.25	.03	.88
11	1.89	2.05	2.18	2.58	4.92	4.92	5.56	5.15	2.59	2.24	2.02	1.88
12	.92	.11	.14	.58	.67	.50	.48	4.72	.57	.23	.02	2.26
13	.96	.13	.24	.94	.57	.59	.44	.23	.55	.21	.01	.24
14	2.01	.16	.45	3.68	.31	.61	.52	3.94	.54	.20	.00	.12
15	.16	.28	.95	4.02	.13	.57	.19	.74	.52	.20	1.99	.04
16	2.11	2.41	2.93	3.74	4.14	4.57	4.88	3.57	2.51	2.19	1.99	2.00
17	.02	.27	.94	4.53	.04	.36	5.39	.44	.50	.19	2.03	1.97
18	.12	.12	.89	5.12	3.93	.27	.18	.34	.48	.22	.02	2.00
19	.22	.12	.67	.37	.86	.20	.23	.28	.47	.21	1.99	.05
20	.46	.24	.50	.55	.73	.04	4.95	.22	.45	.19	.97	.07
21	2.35	2.34	2.35	5.66	3.65	4.43	4.47	3.21	2.44	2.18	1.96	2.26
22	.14	.31	.26	.67	.62	.80	.31	.25	.45	.17	.96	.33
23	.05	.24	.20	.67	.61	.58	.12	.24	.42	.15	.96	.22
24	.06	.14	.35	.67	.49	.14	3.93	.19	.41	.14	.95	.14
25	.08	.10	.16	.67	.36	3.86	.80	.11	.40	.13	.95	.09
26	2.11	2.04	2.09	5.55	3.34	3.99	3.67	3.05	2.38	2.13	1.96	2.01
27	.10	.04	.07	.44	.35	4.44	.64	2.99	.38	.11	.95	1.97
28	.02	.15	.08	.51	.45	.41	.60	.94	.36	.11	.94	2.02
29	1.99	.23	.04	.65	.38	.45	.65	.90	.35	.10		.11
30	.97	.10	.01	.65	.28	.51	.83	.87	.34	.09		.06
31		.05		.65	.42		4.65		.34	.08		.35
Mean	2.06	2.15	2.34	3.97	4.31	4.75	4.51	3.69	2.54	2.20	2.01	2.04
Max.	2.46	2.41	2.95	5.67	5.64	5.72	5.56	5.22	2.84	2.33	2.07	2.35
Min.	1.89	2.02	2.01	1.98	3.28	3.86	3.60	2.87	2.34	2.08	1.94	1.88

WATER YEAR 1924 : Max. 5.72 m. Min. 1.88 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1924 TO MARCH 31, 1925

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.62	8.48	8.67	8.10	160	124	100	140	30	15	9.43	7.02
2	8.67	10	10	7.74	141	167	100	110	30	15	9.43	6.66
3	13	14	12	8.10	136	167	84	77	29	15	9.24	6.48
4	10	13	17	8.67	154	151	71	70	28	14	9.24	6.30
5	8.48	11	15	10	165	126	67	57	27	14	9.24	6.30
6	7.74	10	18	11	161	146	70	57	26	14	9.05	6.30
7	7.02	9.81	18	10	144	168	66	61	25	14	8.86	6.13
8	6.66	10	16	11	128	170	68	70	24	14	8.86	5.97
9	6.48	9.05	14	14	150	167	154	77	24	14	8.67	5.97
10	6.30	8.67	13	15	143	142	160	127	23	13	8.67	5.97
11	6.13	9.05	12	22	124	124	161	137	23	13	8.48	5.97
12	6.66	10	11	22	110	102	156	113	22	13	8.48	14
13	7.38	11	13	33	102	106	153	88	21	12	8.29	13
14	8.29	11	18	62	92	107	158	74	21	12	8.10	10
15	11	14	33	78	83	105	138	65	21	12	7.92	8.86
16	10	17	33	65	84	105	121	58	20	12	7.92	8.10
17	8.48	14	33	103	79	95	150	53	20	12	8.67	7.56
18	10	10	32	135	73	90	138	49	19	13	8.48	8.10
19	13	10	25	149	70	87	141	46	19	12	7.92	9.05
20	19	13	20	160	64	79	125	44	18	12	7.56	9.43
21	16	15	16	167	61	98	100	43	18	12	7.38	14
22	11	15	14	167	60	117	92	45	18	12	7.38	15
23	9.05	13	12	167	59	106	83	45	18	11	7.38	13
24	9.24	11	11	167	55	84	73	43	17	11	7.20	11
25	9.62	10	11	167	49	70	67	39	17	11	7.20	9.81
26	10	8.86	9.81	160	49	76	62	37	16	11	7.38	8.29
27	10	8.86	9.43	153	49	99	61	35	16	10	7.20	7.56
28	8.48	11	9.62	158	53	97	59	33	16	10	7.02	8.48
29	7.92	13	8.86	166	50	99	61	32	16	10		10
30	7.56	10	8.29	166	46	102	68	31	15	9.81		9.24
31		9.05		166	52		109		15	9.62		16
Total	282.78	347.83	481.68	2,736.61	2,946	3,478	3,216	1,956	652	382.43	230.65	279.85
Mean	9.43	11.2	16.0	88.3	95.0	116	104	65.2	21.0	12.3	8.24	9.02
Max.	19	17	33	167	165	170	161	140	30	15	9.43	16
Min.	6.13	8.48	8.29	7.74	46	70	59	31	15	9.62	7.02	5.97
Runoff - mcm.	24.432	30.052	41.617	236.443	254.534	300.499	277.862	168.998	56.333	33.042	19.928	24.153

WATER YEAR 1924 : Max. 170 Min. 5.97 Mean 46.5 Annual Runoff 1,467.895 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Sep. 8	06.00	5.78	174				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1925
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage.

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

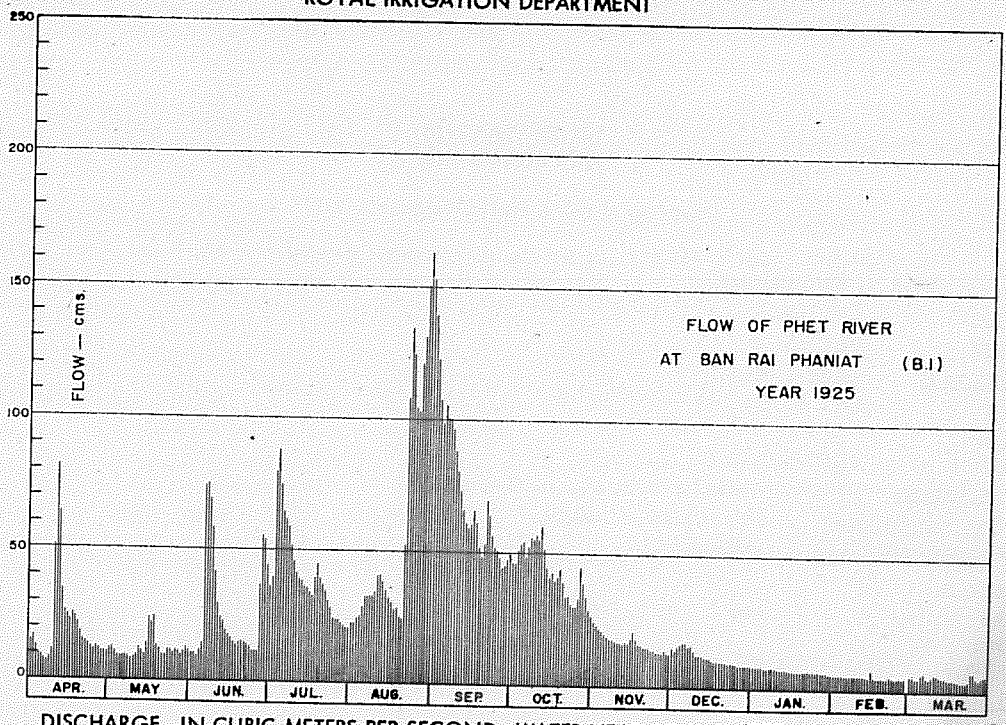
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Diversion. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	2.31	2.24	2.15	3.02	2.61	5.19	3.27	2.67	2.30	2.01	1.87	1.84
2	.41	.22	.16	.14	.59	4.84	.28	.61	.27	.00	.87	.84
3	.25	.13	.08	4.09	.66	.61	.41	.57	.38	.00	.86	.81
4	.12	.08	.17	.22	.69	.43	.46	.53	.38	.00	.85	.81
5	.06	.06	.30	3.90	.79	.56	.47	.50	.41	1.99	.85	.89
6	1.98	2.09	3.94	3.70	2.95	4.46	3.33	2.48	2.39	1.98	1.85	1.86
7	.95	.09	.97	.68	.93	.46	.44	.45	.32	.98	.85	.82
8	2.00	.07	.84	.59	.93	.39	.53	.43	.37	.97	.83	.80
9	.18	.01	.55	.41	.95	.19	.50	.41	.22	.97	.83	.86
10	3.23	.05	.12	.23	3.00	.06	.54	.40	.21	.96	.83	.92
11	4.08	2.12	2.83	3.15	3.16	3.88	3.50	2.39	2.19	1.96	1.83	1.90
12	3.33	.22	.64	.11	.15	.75	.62	.37	.17	.95	.83	.87
13	2.80	.13	.56	.09	.07	.64	.41	.41	.15	.94	.83	.84
14	.71	.10	.48	.02	2.99	.59	.24	.38	.14	.94	.82	.85
15	.68	.36	.43	.03	.94	.64	.12	.42	.13	.93	.97	.82
16	2.61	2.64	2.37	2.96	2.86	3.53	3.20	2.55	2.12	1.93	1.80	1.80
17	.69	.56	.31	.93	.78	.66	.10	.43	.11	.92	.80	.78
18	.63	.66	.27	3.16	.81	.46	.15	.38	.10	.92	.79	.77
19	.57	.24	.32	.26	.67	.33	.22	.35	.10	.92	.79	.75
20	.45	.17	.34	.13	.66	.43	.09	.34	.09	.92	.78	.75
21	2.34	2.12	2.30	3.06	3.44	3.86	2.95	2.32	2.08	1.93	1.82	1.75
22	.30	.12	.27	2.99	4.59	.71	.96	.31	.07	.92	.83	.72
23	.27	.21	.23	.86	5.11	.50	.87	.28	.06	.92	.81	.77
24	.22	.17	.21	.76	4.90	.43	.83	.27	.05	.92	.80	.94
25	.21	.15	.18	.68	.54	.39	.82	.25	.05	.92	.79	.94
26	2.23	2.20	2.21	2.63	4.50	3.29	2.96	2.24	2.03	1.92	1.79	1.80
27	.19	.14	3.11	.63	.86	.23	3.25	.24	.03	.91	.78	.80
28	.13	.10	.52	.61	5.07	.28	.10	.26	.03	.90	.80	.84
29	.13	.19	.47	.57	.38	.33	2.97	.24	.03	.89	-	.88
30	.13	.27	.20	.54	.60	.38	.81	.23	.02	.88	-	.86
31		.17	-	.54	.44	-	.73	-	.02	.87	-	.94
Mean	2.44	2.20	2.68	3.12	3.57	3.85	3.20	2.39	2.16	1.94	1.83	1.83
Max.	4.08	2.66	3.97	4.22	5.60	5.19	3.62	2.67	2.41	2.01	1.97	1.94
Min.	1.95	2.01	2.08	2.54	2.59	3.23	2.73	2.23	2.02	1.87	1.78	1.72

WATER YEAR 1925 : Max. 5.60 m. Min. 1.72 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1925 TO MARCH 31, 1926

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	15	13	11	36	23	138	46	25	15	8.29	5.80	5.31
2	17	13	11	41	23	119	46	23	14	8.10	5.80	5.31
3	13	11	9.62	81	25	107	51	22	16	8.10	5.64	4.81
4	10	9.62	12	88	26	98	53	21	16	8.10	5.47	4.81
5	9.24	9.24	15	72	29	105	54	20	17	7.92	5.47	6.13
6	7.74	9.81	74	63	33	100	46	19	17	7.74	5.47	5.64
7	7.20	9.81	75	62	33	100	53	18	15	7.74	5.47	4.98
8	8.10	9.43	69	59	33	96	56	18	16	7.56	5.14	4.65
9	12	8.29	57	51	33	86	55	17	13	7.56	5.14	5.64
10	44	8.67	40	44	35	80	57	17	12	7.38	5.14	6.66
11	81	10	30	41	41	71	55	17	12	7.38	5.14	6.30
12	48	13	24	39	41	65	60	16	12	7.20	5.14	5.80
13	29	11	22	39	38	61	51	17	11	7.02	5.14	5.31
14	26	10	19	36	35	59	45	16	11	7.02	4.98	5.47
15	25	16	18	36	33	61	40	18	11	6.84	7.56	4.98
16	23	24	16	34	31	56	43	21	10	6.84	4.65	4.65
17	26	22	15	33	28	61	39	18	10	6.66	4.65	4.37
18	24	25	14	41	29	53	41	16	10	6.66	4.51	4.23
19	22	13	15	45	25	48	44	16	10	6.66	4.51	3.95
20	18	12	15	40	25	52	39	15	9.81	6.66	4.37	3.95
21	15	10	15	37	53	70	33	15	9.62	6.84	4.98	3.81
22	15	10	14	35	106	63	34	15	9.43	6.84	5.14	3.53
23	14	12	13	31	134	55	31	14	9.24	6.66	4.81	4.23
24	13	12	12	28	122	52	30	14	9.05	6.66	4.65	7.02
25	12	11	12	25	104	51	30	13	9.05	6.66	4.51	7.02
26	13	12	12	24	102	47	34	13	8.67	6.66	4.51	4.65
27	12	11	39	24	120	44	45	13	8.67	6.48	4.37	4.65
28	11	10	56	23	132	46	39	14	8.67	6.13	4.65	5.31
29	11	12	54	22	150	48	34	13	8.67	6.13		5.97
30	11	14	43	21	163	50	29	13	8.46	5.97		5.64
31		12		21	153		27		8.48	5.80		7.02
Total	592.28	383.87	831.62	1,272	1,958	2,142	1,342	507	355.84	218.26	142.81	161.80
Mean	19.7	12.4	27.7	41.0	63.2	71.4	43.3	16.9	11.5	7.04	5.10	5.22
Max.	81	25	75	88	163	138	60	25	17	8.29	7.56	7.02
Min.	7.20	8.29	9.62	21	23	44	27	13	8.48	5.80	4.37	3.53
Runoff - mcm.	51.173	33.166	71.852	109.901	169.171	185.069	115.949	43.805	30.744	18.858	12.339	13.979

WATER YEAR 1925 : Max. 163 Min. 3.53 Mean 27.1 Annual Runoff 856.006 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 30	12.00	5.60	163				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1926
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

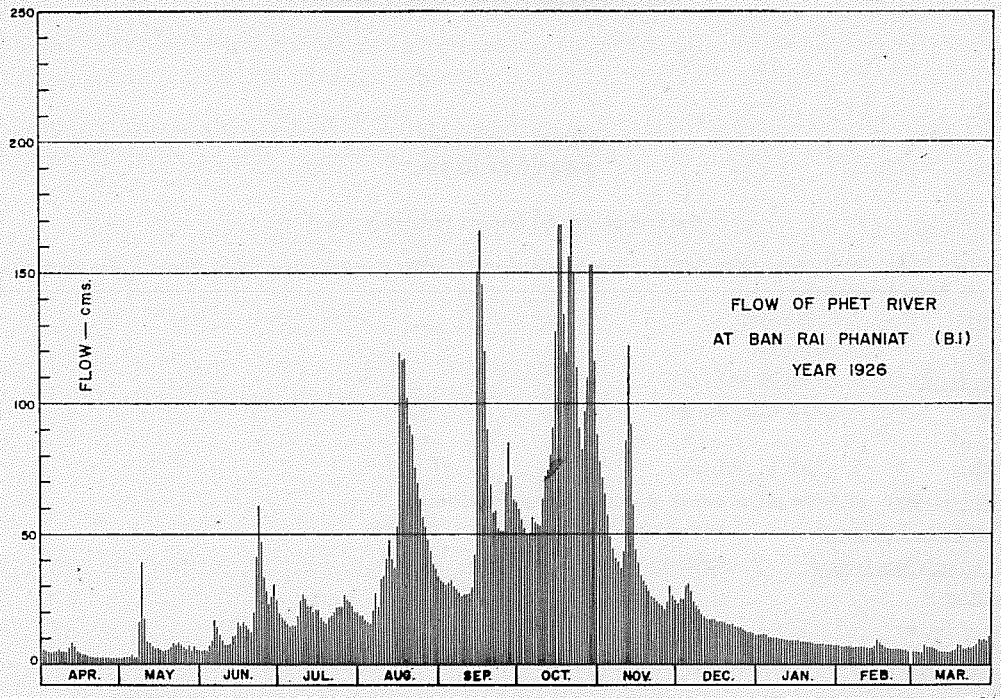
General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.87	1.61	1.82	2.47	2.48	2.91	3.61	3.96	2.60	2.15	1.94	1.81
2	.82	.64	.85	.42	.48	.87	.50	.88	.67	.15	.93	.81
3	.79	.65	.85	.39	.41	.84	.42	.67	.66	.13	.93	.81
4	.76	.65	.94	.30	.35	.88	.37	.50	.84	.13	.92	.84
5	.80	.72	2.05	.28	.36	.90	.39	.36	.86	.12	.92	.95
6	1.80	1.62	2.40	2.34	2.51	2.82	3.52	3.26	2.73	2.11	1.91	1.91
7	.86	.67	.30	.33	.75	.76	.48	.16	.65	.11	.91	.90
8	.81	2.39	.15	.45	.55	.75	.48	.09	.58	.10	.91	.91
9	.82	3.09	.03	.66	.93	.71	.46	.02	.52	.08	.90	.88
10	.81	2.27	1.95	.74	.97	.75	.72	.31	.47	.08	.90	.84
11	1.89	1.84	1.98	2.68	3.14	2.73	3.91	4.19	2.44	2.07	1.89	1.82
12	2.02	2.01	2.01	.58	.33	.75	.96	.90	.41	.06	.90	.81
13	1.90	1.93	.16	.57	.11	.87	4.06	.04	.41	.06	.89	.80
14	.82	.88	.14	.49	2.98	3.36	.37	3.45	.41	.05	.89	.80
15	.78	.89	.37	.54	3.47	5.39	5.09	.21	.39	.05	.91	.80
16	1.75	1.84	2.26	2.53	4.84	5.65	5.69	3.07	2.37	2.04	2.07	1.85
17	.74	.80	.36	.42	.79	.19	.69	2.96	.36	.03	1.98	.85
18	.69	.84	.34	.35	.81	4.53	.11	.89	.35	.03	.93	.98
19	.68	.83	.26	.36	.42	.02	4.72	.82	.35	.01	.90	.99
20	.67	.92	.18	.45	.31	3.84	5.46	.76	.33	.01	.88	.91
21	1.67	2.02	2.37	2.46	4.23	3.56	5.72	2.71	2.33	2.01	1.87	1.87
22	.67	1.96	3.21	.49	3.94	.60	.23	.68	.30	1.99	.86	.93
23	.66	2.01	.65	.58	.84	.42	4.62	.63	.29	.99	.85	.89
24	.65	1.95	.29	.57	.68	.39	.26	.61	.28	.98	.84	.81
25	.63	.89	2.91	.56	.53	.40	.05	.57	.26	.98	.83	.99
26	1.63	1.87	2.81	2.72	3.45	3.88	4.40	2.55	2.23	1.97	1.83	2.08
27	.63	.92	.59	.67	.32	4.16	.35	.67	.23	.96	.83	.07
28	.61	.80	.74	.65	.23	3.88	5.44	.85	.20	.96	.82	.09
29	.61	.92	.86	.57	.11	.71	.44	.71	.19	.95	–	.03
30	.61	.85	.64	.51	.06	.69	4.63	.62	.17	.95	–	.13
31	–	.84	–	.49	2.97	–	.20	–	.16	.94	–	.08
Mean	1.75	1.91	2.38	2.50	3.33	3.52	4.37	3.17	2.42	2.04	1.90	1.91
Max.	2.02	3.09	3.65	2.74	4.84	5.65	5.72	4.90	2.86	2.15	2.07	2.13
Min.	1.61	1.61	1.82	2.28	2.35	2.71	3.37	2.55	2.16	1.94	1.82	1.80

WATER YEAR 1926 : Max. 5.69 m. Min. 1.61 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1926 TO MARCH 31, 1927

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.80	2.12	4.98	19	19	32	59	75	23	11	7.02	4.81
2	4.98	2.50	5.47	18	19	31	55	71	25	11	6.84	4.81
3	4.51	2.62	5.47	17	17	30	52	62	25	11	6.84	4.81
4	4.09	2.62	7.02	15	16	31	50	55	30	11	6.66	5.31
5	4.65	3.53	9.05	14	16	32	51	49	31	10	6.66	7.20
6	4.65	2.25	17	15	20	30	56	45	27	10	6.48	6.48
7	5.64	2.87	15	15	27	28	54	41	24	10	6.48	6.30
8	4.81	17	11	18	21	27	54	39	22	10	6.48	6.48
9	4.98	39	8.67	25	33	26	53	36	21	9.62	6.30	5.97
10	4.81	14	7.20	27	34	27	64	47	19	9.62	6.30	5.31
11	6.13	5.31	7.74	25	41	27	72	86	18	9.43	6.13	4.98
12	8.48	8.29	8.29	22	48	27	75	122	17	9.24	6.30	4.81
13	6.30	6.84	11	22	39	31	80	79	17	9.24	6.13	4.65
14	4.98	5.97	11	20	34	49	95	53	17	9.05	6.13	4.65
15	4.37	6.13	16	21	54	150	133	43	17	9.05	6.48	4.65
16	3.95	5.31	14	21	119	166	168	38	16	8.86	9.43	5.47
17	3.81	4.65	16	18	116	138	168	34	16	8.67	7.74	5.47
18	3.12	5.31	15	16	117	103	134	32	16	8.67	6.84	7.74
19	3.00	5.14	14	16	98	78	113	30	16	8.29	6.30	7.92
20	2.87	6.66	12	18	92	69	155	28	15	8.29	5.97	6.48
21	2.87	8.48	16	19	88	57	170	26	15	8.29	5.80	5.80
22	2.87	7.38	43	20	74	59	141	25	15	7.92	5.64	6.84
23	2.75	8.29	61	22	69	52	108	24	14	7.92	5.47	6.13
24	2.62	7.20	47	22	62	51	90	23	14	7.74	5.31	4.81
25	2.37	6.13	32	22	56	51	79	22	14	7.74	5.14	7.92
26	2.37	5.80	29	27	53	71	97	21	13	7.56	5.14	9.62
27	2.37	6.66	23	25	48	85	94	25	13	7.38	5.14	9.43
28	2.12	4.65	27	24	44	71	135	30	12	7.38	4.98	9.81
29	2.12	6.66	31	22	39	63	153	26	12	7.20		8.67
30	2.12	5.47	24	20	37	62	108	24	12	7.20		11
31		5.31		20	34		87		11	7.02		9.62
Total	120.51	220.15	548.89	625	1,584	1,754	3,021	1,311	557	275.38	176.13	203.95
Mean	4.02	7.10	18.3	20.2	51.1	58.4	97.5	43.7	18.0	8.90	6.29	6.58
Max.	8.48	39	61	27	119	166	170	122	31	11	9.43	11
Min.	2.12	2.12	4.98	14	16	26	50	21	11	7.02	4.98	4.65
Runoff - MCM.	10.412	19.020	47.424	54.000	136.858	151.546	261.014	113.270	48.125	23.793	15.212	17.621

WATER YEAR 1926 : Max. 170 Min. 2.12 Mean 28.5 Annual Runoff 898.302 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct.16	18.00	5.72	170				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1927
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location:
Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954
Rated by Float:
Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

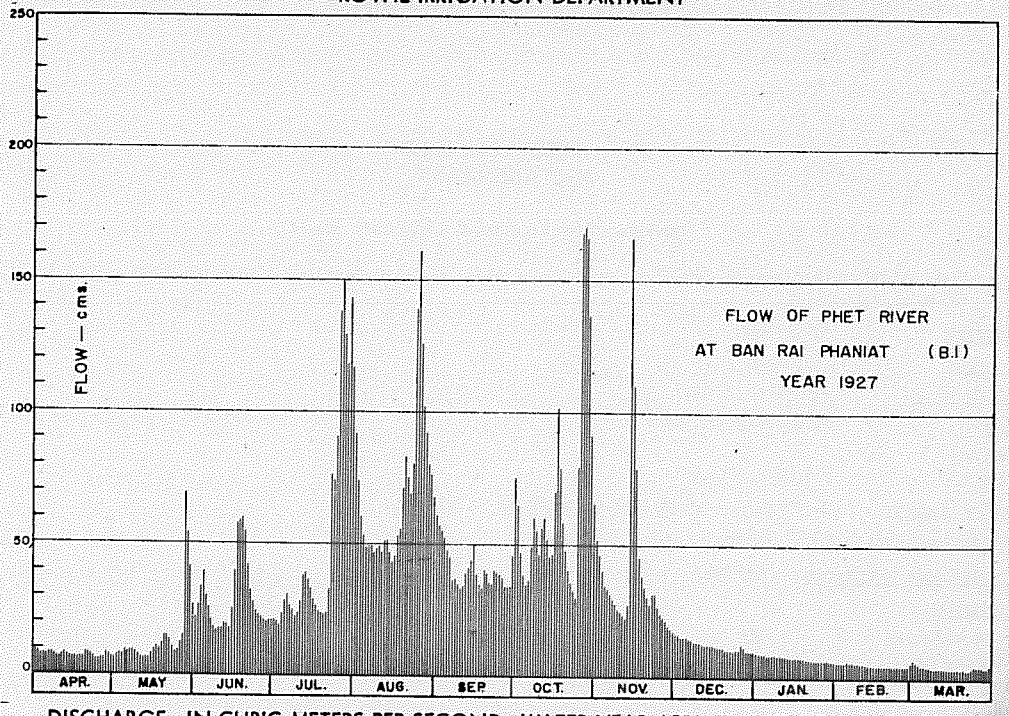
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L), WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	2.07	1.89	2.57	2.52	4.22	3.65	3.97	3.40	2.38	2.05	1.88	1.95
2	.01	.99	.74	.49	3.86	.54	.68	.25	.35	.04	.88	.87
3	1.98	2.02	.97	.48	.60	.50	.28	.13	.34	.03	.88	.83
4	.99	1.96	3.10	.64	.44	.42	.07	2.97	.31	.02	.88	.80
5	.98	2.06	2.85	.79	.32	.31	2.98	.93	.30	.02	.90	.79
6	2.00	2.03	2.67	2.87	3.35	3.26	3.06	2.86	2.28	2.00	1.88	1.77
7	.00	.05	.52	.68	.34	.02	.47	.80	.27	.00	.86	.76
8	1.95	.06	.41	.67	.27	.06	.62	.73	.25	.00	.85	.75
9	.93	.02	.41	.58	.33	.00	.46	.68	.24	.01	.85	.74
10	.97	1.96	.43	.63	.36	2.95	.21	.63	.25	.01	.84	.73
11	1.98	1.90	2.42	2.85	3.28	2.98	3.53	2.60	2.21	2.00	1.83	1.72
12	2.01	.90	.50	3.08	.41	3.11	.62	.56	.20	1.99	.82	.72
13	1.95	.91	.46	.09	.41	.14	.40	.81	.19	.98	.82	.71
14	.92	.93	.43	.03	.27	.23	.22	5.65	.17	.97	.81	.71
15	.90	2.02	.69	2.90	.20	.38	.27	4.64	.17	.97	.81	.71
16	1.90	2.07	3.15	2.78	3.28	3.12	3.83	3.92	2.16	1.97	1.81	1.70
17	.90	.13	.58	.69	.46	.00	4.48	.28	.15	.96	.80	.69
18	.92	.12	.60	.64	.50	2.93	3.85	.07	.14	.94	.80	.69
19	.91	.20	.62	.62	.94	3.13	.51	2.93	.13	.94	.80	.69
20	2.03	.31	.44	.61	4.12	.10	.29	.83	.12	.93	.79	.69
21	2.00	2.33	3.11	2.62	3.94	3.00	3.12	2.73	2.11	1.93	1.78	1.68
22	1.95	.23	2.89	3.00	.81	.00	.01	.87	.10	.93	.79	.68
23	.92	.10	.75	.99	4.12	.13	2.91	.87	.09	.91	.79	.74
24	.88	.04	.64	.92	5.13	.11	.84	.71	.10	.91	.78	.79
25	.88	.08	.61	4.33	.56	.08	4.25	.62	.10	.91	.77	.77
26	1.91	2.22	2.57	5.19	5.06	3.04	5.69	2.56	2.20	1.90	1.77	1.77
27	.91	.30	.53	.39	4.46	2.93	.71	.52	.13	.90	.77	.76
28	2.02	3.84	.50	4.94	.28	.96	.61	.46	.09	.89	.78	.75
29	1.97	.40	.54	.79	.03	.96	4.74	.43	.08	.89	.86	.75
30	.90	.10	.53	5.27	3.98	3.35	.03	.41	.07	.89		.80
31		2.69		4.77	.82		3.67		.06	.88		.87
Mean	1.95	2.22	2.77	3.32	3.81	3.15	3.72	2.99	2.18	1.96	1.83	1.75
Max.	2.07	3.84	3.62	5.27	5.56	3.65	5.71	5.65	2.38	2.05	1.88	1.95
Min.	1.88	1.89	2.41	2.48	3.20	2.93	2.84	2.41	2.06	1.88	1.77	1.68

WATER YEAR 1927 : Max. 5.71 m. Min. 1.68 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1927 TO MARCH 31, 1928

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	9.43	6.13	22	21	88	61	75	51	16	9.05	5.97	7.20
2	8.29	7.92	27	20	70	57	62	45	16	8.86	5.97	5.80
3	7.74	8.48	34	19	59	55	46	40	15	8.67	5.97	5.14
4	7.92	7.38	39	24	53	52	38	34	15	8.48	5.97	4.65
5	7.74	9.24	30	29	48	47	34	33	15	8.48	6.30	4.51
6	8.10	8.67	25	31	49	45	37	31	14	8.10	5.97	4.23
7	8.10	9.05	21	25	49	36	34	29	14	8.10	5.64	4.09
8	7.20	9.24	17	25	46	37	60	27	13	8.10	5.47	3.95
9	6.84	8.48	17	22	48	35	53	25	13	8.29	5.47	3.81
10	7.56	7.38	18	24	49	33	43	24	13	8.29	5.31	3.67
11	7.74	6.30	18	30	46	34	56	23	12	8.10	5.14	3.53
12	8.29	6.30	20	38	51	39	60	22	12	7.92	4.98	3.53
13	7.20	6.48	19	39	51	41	51	29	12	7.74	4.98	3.39
14	6.66	6.84	18	36	46	44	44	166	12	7.56	4.81	3.39
15	6.30	8.48	26	32	43	50	46	109	12	7.56	4.81	3.39
16	6.30	9.43	41	28	46	40	68	73	11	7.56	4.81	3.25
17	6.30	11	58	26	53	35	101	46	11	7.38	4.65	3.12
18	6.66	10	59	24	55	33	69	38	11	7.02	4.65	3.12
19	6.48	12	60	24	74	40	55	33	11	7.02	4.65	3.12
20	8.67	15	53	23	83	39	47	30	10	6.84	4.51	3.12
21	8.10	15	39	24	74	35	40	27	10	6.84	4.37	3.00
22	7.20	13	32	35	67	35	35	31	10	6.84	4.51	3.00
23	6.66	10	27	76	83	40	32	31	9.81	6.48	4.51	3.81
24	5.97	8.86	24	73	135	39	30	26	10	6.48	4.37	4.51
25	5.97	9.62	23	93	161	38	89	24	10	6.48	4.23	4.23
26	6.48	13	22	138	131	37	168	22	12	6.30	4.23	4.23
27	6.48	15	21	150	100	33	170	21	11	6.30	4.23	4.09
28	8.48	69	20	125	91	34	164	19	9.81	6.13	4.37	3.95
29	7.56	51	21	116	78	34	114	18	9.62	6.13	5.64	3.95
30	6.30	39	21	143	76	49	78	17	9.43	6.13		4.65
31		26		115	68		62		9.24	5.97		5.80
Total	218.72	443.28	872	1,628	2,171	1,227	2,081	1,144	368.91	229.20	146.49	125.23
Mean	7.29	14.2	29.1	52.5	70.0	40.9	67.1	38.1	11.9	7.39	5.05	4.04
Max.	9.43	69	60	150	161	61	170	166	16	9.05	5.97	7.20
Min.	5.97	6.13	17	19	43	33	30	17	9.24	5.97	4.23	3.00
Runoff - mcm.	18.897	38.299	75.341	140.659	187.574	106.013	179.798	98.842	31.873	19.803	12.657	10.820

WATER YEAR 1927 : Max. 170 Min. 3.00 Mean 29.1 Annual Runoff 920.577 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 27	06.00	5.71	170				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1928
PHET RIVER BASIN

Phet River at Ban Rai Phamiat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phamiat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

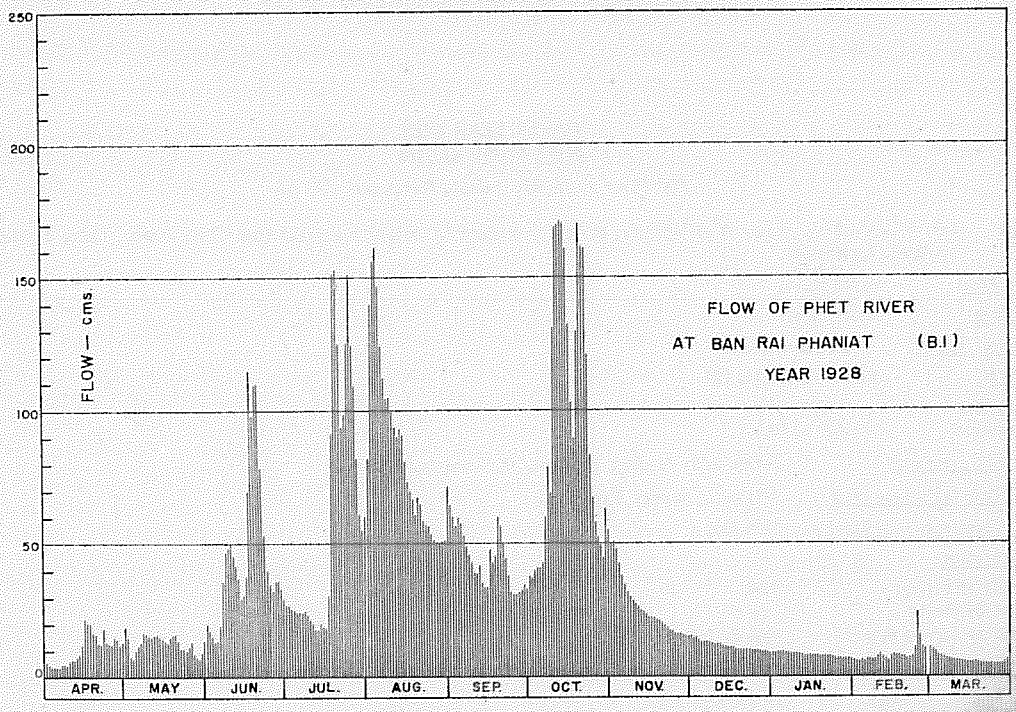
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurement made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.86	2.46	2.51	2.72	4.37	3.70	3.08	3.36	2.30	2.03	1.88	2.14
2	.81	.22	.39	.74	5.19	.60	.06	.40	.28	.03	.88	.12
3	.75	1.96	.30	.67	.46	.52	.13	.31	.30	.07	.87	.06
4	.74	.95	.24	.66	.57	.63	.14	.15	.25	.05	.90	1.99
5	.72	2.10	.26	.64	.27	.58	.16	.04	.25	.05	.88	.97
6	1.75	2.17	2.53	2.62	4.87	3.45	3.27	2.96	2.24	2.04	1.90	1.94
7	.81	.24	3.10	.65	.58	.32	.71	.88	.23	.03	.90	.92
8	.79	.41	.30	.68	.52	.28	4.05	.83	.22	.03	.89	.91
9	.77	.37	.35	.60	.57	.18	3.78	.78	.21	.02	.93	.89
10	.86	.32	.38	.54	.43	.09	5.06	.74	.21	.01	2.01	.87
11	1.93	2.32	3.23	2.50	4.29	3.10	5.70	2.70	2.19	2.00	2.03	1.86
12	.90	.37	.15	.43	.27	.17	.72	.66	.18	1.99	1.96	.86
13	.97	.36	2.97	.43	.32	2.99	.73	.63	.16	.99	.91	.85
14	2.08	.12	.78	.49	.24	.94	.72	.60	.16	.97	.88	.84
15	.26	.05	.90	.48	.05	.96	.55	.57	.15	.97	.97	.84
16	2.57	2.00	3.42	2.44	3.88	3.32	4.88	2.56	2.14	1.96	2.01	1.84
17	.49	.25	4.77	.88	.85	.17	.29	.56	.13	.96	1.98	.84
18	.49	.31	.39	4.14	.74	.30	.25	.55	.12	.95	.97	.83
19	.38	.38	.65	5.40	.63	.62	5.27	.54	.12	.95	.98	.84
20	.37	.38	.67	.44	.81	.52	.71	.50	.11	.94	.95	.82
21	2.21	2.22	3.98	4.88	3.72	3.32	5.55	2.46	2.11	1.95	1.91	1.82
22	.18	.12	.65	.33	.52	.18	.57	.44	.10	.95	.91	.82
23	.45	.15	.31	.32	.56	2.97	4.73	.41	.09	.95	.96	.81
24	.25	.07	.13	.99	.53	.87	.11	.40	.09	.94	2.05	.79
25	.18	.21	2.99	5.40	.44	.87	3.79	.38	.09	.93	.64	.78
26	2.19	2.22	2.91	4.88	3.41	2.86	3.58	2.37	2.08	1.93	2.32	1.77
27	.30	.00	3.03	.55	.38	.90	.42	.35	.06	.91	.15	.77
28	.29	1.95	.03	3.85	.39	.94	.34	.34	.05	.91	.09	.79
29	.20	.93	2.92	.61	.40	3.01	.19	.32	.05	.91		.87
30	.25	2.06	.81	.47	.55	2.95	.71	.31	.03	.89		.93
31		.34		.71	.88		.50		.03	.89		.93
Mean	2.09	2.19	3.33	3.46	4.12	3.21	4.28	2.67	2.15	1.97	1.99	1.88
Max.	2.57	2.41	4.77	5.44	5.57	3.70	5.73	3.40	2.30	2.07	2.64	2.14
Min.	1.72	1.93	2.24	2.43	3.38	2.86	3.06	2.31	2.03	1.89	1.87	1.77

WATER YEAR 1928 : Max. 5.73 m. Min. 1.72 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1928 TO MARCH 31, 1929

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.64	19	20	27	95	63	38	49	15	8.67	5.97	11
2	4.81	13	17	27	138	59	37	51	14	8.67	5.97	10
3	3.95	7.38	15	25	155	56	40	47	15	9.43	5.80	9.24
4	3.81	7.20	13	25	161	60	41	41	13	9.05	6.30	7.92
5	3.53	10	14	24	143	58	41	37	13	9.05	5.97	7.56
6	3.95	12	21	24	121	53	46	34	13	8.86	6.30	7.02
7	4.81	13	39	24	106	48	63	31	13	8.67	6.30	6.66
8	4.51	17	47	25	103	46	79	30	13	8.67	6.13	6.48
9	4.23	16	49	23	105	42	66	28	12	8.48	6.84	6.13
10	5.64	15	50	21	98	39	131	27	12	8.29	8.29	5.80
11	6.84	15	44	20	91	39	169	26	12	8.10	8.67	5.64
12	6.30	16	41	18	90	42	170	25	12	7.92	7.38	5.64
13	7.56	16	34	18	93	35	171	24	11	7.92	6.48	5.47
14	9.62	10	28	20	89	33	170	23	11	7.56	5.97	5.31
15	14	9.05	32	19	79	34	160	22	11	7.56	7.56	5.31
16	22	8.10	52	18	71	48	121	22	11	7.36	8.29	5.31
17	20	13	115	31	69	42	91	22	11	7.38	7.74	5.31
18	20	15	96	84	65	47	89	21	10	7.20	7.56	5.14
19	16	16	109	151	60	60	143	21	10	7.20	7.74	5.31
20	16	16	110	153	67	56	170	20	10	7.02	7.20	4.98
21	12	13	76	121	64	48	160	19	10	7.20	6.48	4.98
22	12	10	61	93	56	42	161	18	10	7.20	6.48	4.98
23	18	11	47	93	57	34	113	17	9.81	7.20	7.38	4.81
24	13	9.43	40	127	56	31	82	17	9.81	7.02	9.05	4.51
25	12	12	35	151	53	31	67	16	9.81	6.84	24	4.37
26	12	13	32	121	51	31	58	16	9.62	6.84	15	4.23
27	15	8.10	36	104	50	32	52	16	9.24	6.48	11	4.23
28	14	7.20	36	69	50	33	49	15	9.05	6.48	9.81	4.51
29	12	6.84	33	59	51	35	43	15	9.05	6.48		5.80
30	13	9.24	29	54	51	33	63	15	8.67	6.13		6.84
31		15		63	71		55		8.67	6.13		6.84
Total	316.20	378.54	1,371	1,832	2,616	1,310	2,939	765	345.73	237.08	227.66	187.33
Mean	10.5	12.2	45.7	59.1	84.4	43.7	94.8	25.5	11.1	7.65	8.13	6.04
Max.	22	17	115	153	161	63	171	51	15	9.43	24	11
Min.	3.53	6.84	13	18	50	31	37	15	8.67	6.13	5.80	4.23
Runoff - mcm.	27.320	32.706	118.454	158.285	226.022	113.184	253.930	66.096	29.871	20.484	19.670	16.185

WATER YEAR 1928 : Max. 171 Min. 3.53 Mean 34.3 Annual Runoff 1,082.207 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 13	06.00	5.73	171				

WATER YEAR 1929
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 221

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

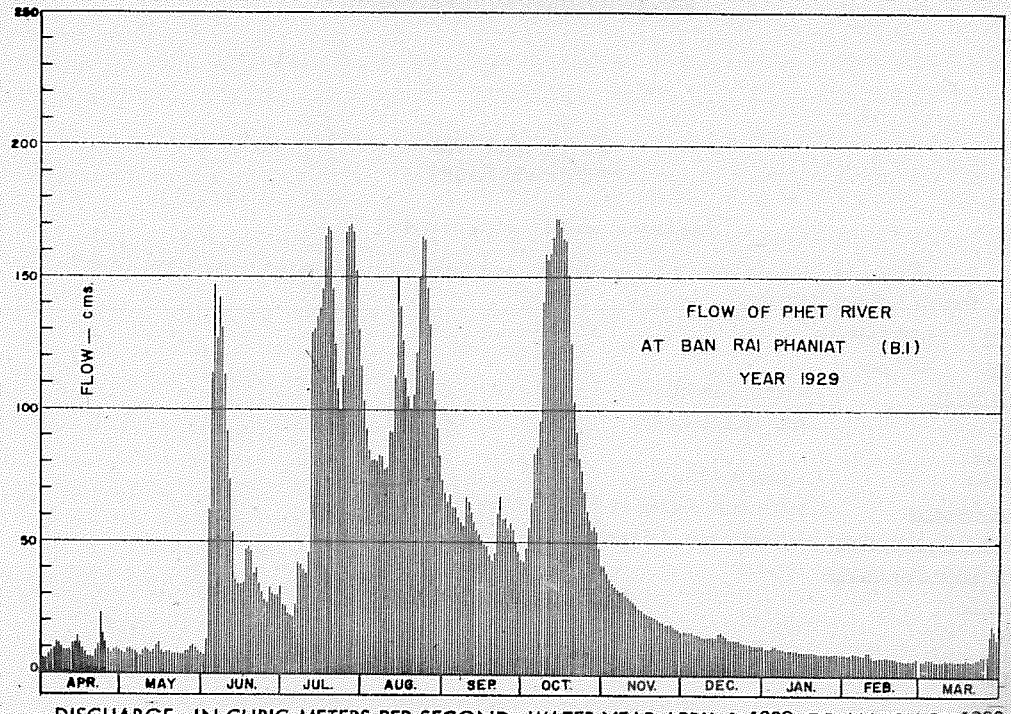
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.87	1.96	1.96	3.03	4.52	3.80	3.21	3.14	2.37	2.12	1.97	1.85
2	.84	.98	2.29	.03	.31	.75	.38	.08	.35	.12	.96	.85
3	.95	2.07	3.89	2.94	.17	.82	.55	.02	.35	.12	.96	.90
4	2.04	.08	5.01	.89	.09	.71	.83	2.98	.35	.14	2.00	.90
5	.06	.04	.34	.91	.09	.71	4.15	.94	.33	.14	1.99	.86
6	2.19	1.99	4.91	3.06	4.06	3.61	4.18	2.90	2.32	2.12	1.98	1.85
7	.13	.94	5.25	.17	.13	.56	.39	.88	.31	.11	.97	.85
8	.07	.93	4.89	.16	.11	.52	5.21	.86	.29	.09	.95	.85
9	.05	2.05	.65	.11	3.98	.79	.54	.82	.28	.08	2.03	.85
10	.01	.12	.24	.07	4.03	.75	.48	.80	.27	.07	.02	.89
11	2.04	2.02	3.72	3.22	4.31	3.63	5.54	2.76	2.26	2.06	1.92	1.86
12	.14	1.98	.37	5.02	.27	.55	.67	.72	.26	.05	.91	.86
13	.19	2.05	2.95	.07	.66	.46	.75	.68	.27	.05	.90	.84
14	.27	.15	.97	.12	5.39	.46	.75	.66	.37	.04	.90	.84
15	.19	.17	.98	.20	.22	.38	.68	.63	.37	.03	.90	.85
16	2.05	2.01	2.98	5.33	4.95	3.36	5.61	2.61	2.30	2.03	1.90	1.84
17	1.97	1.99	3.29	.64	.61	.32	.62	.60	.27	.03	.92	.85
18	.91	2.03	.32	.70	.56	.23	.33	.57	.25	.03	.89	.90
19	.89	.01	.27	.66	.44	.20	4.85	.56	.24	.02	.89	.88
20	.88	1.99	.02	.35	.58	.29	.55	.53	.24	.01	.88	.85
21	2.05	1.98	3.12	4.94	4.80	3.68	4.27	2.53	2.24	2.00	1.87	1.87
22	.13	.99	2.97	.58	5.38	.79	.08	.49	.22	1.99	.86	.93
23	.60	.95	.86	.42	.63	.56	3.98	.50	.20	.99	.85	.92
24	.29	.94	.76	.76	.62	.59	.84	.48	.19	.99	.85	.97
25	.14	2.00	.73	5.66	.37	.51	.69	.48	.18	.99	.85	.94
26	2.03	2.00	2.93	5.70	5.12	3.54	3.57	2.46	2.17	1.98	1.85	1.97
27	1.99	.10	.87	.70	4.74	.48	.48	.43	.14	.98	.85	2.32
28	2.06	.14	.82	.67	.52	.35	.52	.41	.14	.97	.89	.46
29	.07	.05	.84	.42	.31	.27	.46	.40	.14	.97		.39
30	.03	.00	.94	.10	.10	.21	.28	.38	.13	.96		.29
31		1.97		4.78	3.93		.16		.13			.18
Mean	1.07	2.02	3.44	4.46	4.58	3.53	4.44	2.68	2.25	2.04	1.92	1.94
Max.	2.60	2.17	5.34	5.70	5.63	3.82	5.75	3.14	2.37	2.14	2.03	2.46
Min.	1.84	1.93	1.96	2.89	3.93	3.20	3.16	2.38	2.13	1.96	1.85	1.84

WATER YEAR 1929 : Max. 5.75 m. Min. 1.84 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1929 TO MARCH 31, 1930

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.80	7.38	7.38	36	103	67	43	41	16	10	7.56	5.47
2	5.31	7.74	14	36	92	65	50	38	16	10	7.38	5.47
3	7.20	9.43	71	33	85	68	57	36	16	10	7.38	6.30
4	8.86	9.62	128	32	81	63	68	34	16	11	8.10	6.30
5	9.24	8.86	147	32	81	63	84	33	15	11	7.92	5.64
6	12	7.92	123	37	80	59	86	32	15	10	7.74	5.47
7	11	7.02	142	42	83	57	96	31	15	10	7.56	5.47
8	9.43	6.84	123	41	82	56	140	31	14	9.81	7.20	5.47
9	9.05	9.05	109	39	76	67	159	30	14	9.62	8.67	5.47
10	8.29	10	89	38	78	65	156	29	14	9.43	8.48	6.13
11	8.86	8.48	64	44	92	60	159	28	14	9.24	6.66	5.64
12	11	7.74	49	129	90	57	167	27	14	9.05	6.48	5.64
13	12	9.05	33	131	110	53	172	25	14	9.05	6.30	5.31
14	14	11	34	135	150	53	172	25	16	8.86	6.30	5.31
15	12	12	34	139	140	50	168	24	16	8.67	6.30	5.47
16	9.05	8.29	34	147	125	49	164	23	15	8.67	6.30	5.31
17	7.56	7.92	47	165	107	48	164	23	14	8.67	6.66	5.47
18	6.48	8.67	48	169	105	44	147	22	13	8.67	6.13	6.30
19	6.13	8.29	46	167	99	43	120	22	13	8.48	6.13	5.97
20	5.97	7.92	36	148	106	47	104	21	13	8.29	5.97	5.47
21	9.05	7.74	40	125	117	62	90	21	13	8.10	5.80	5.80
22	11	7.92	34	106	150	67	81	20	13	7.92	5.64	6.84
23	23	7.20	31	98	165	57	76	20	12	7.92	5.47	6.66
24	14	7.02	28	115	164	59	69	19	12	7.92	5.47	7.56
25	11	8.10	27	167	149	55	62	19	12	7.92	5.47	7.02
26	8.67	8.10	33	169	135	57	58	19	12	7.74	5.47	7.56
27	7.92	10	31	169	114	54	54	18	11	7.74	5.47	15
28	9.24	11	30	167	103	49	56	17	11	7.56	6.13	19
29	9.43	9.05	30	152	92	46	53	17	11	7.56		17
30	8.67	8.10	33	133	82	43	46	16	11	7.38		14
31		7.56		116	73		41		11			12
Total	291.21	265.01	1,695.38	3,257	3,309	1,683	3,162	761	422	266.27	186.14	228.31
Mean	9.71	8.55	56.5	105	107	56.1	102	25.4	13.6	8.87	6.65	7.36
Max.	23	12	147	169	165	67	172	41	16	11	8.67	19
Min.	5.31	6.84	7.38	32	73	43	41	16	11	7.38	5.47	5.31
Runoff - MCM.	25.160	22.897	146.481	281.405	285.898	145.411	273.197	65.750	36.461	23.006	16.082	19.726

WATER YEAR 1929 : Max. 172 Min. 5.31 Mean 42.5 Annual Runoff 1,341.474 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 14	06.00	5.75	172				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1930
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank, about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:
Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954
Rated by Float:
Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

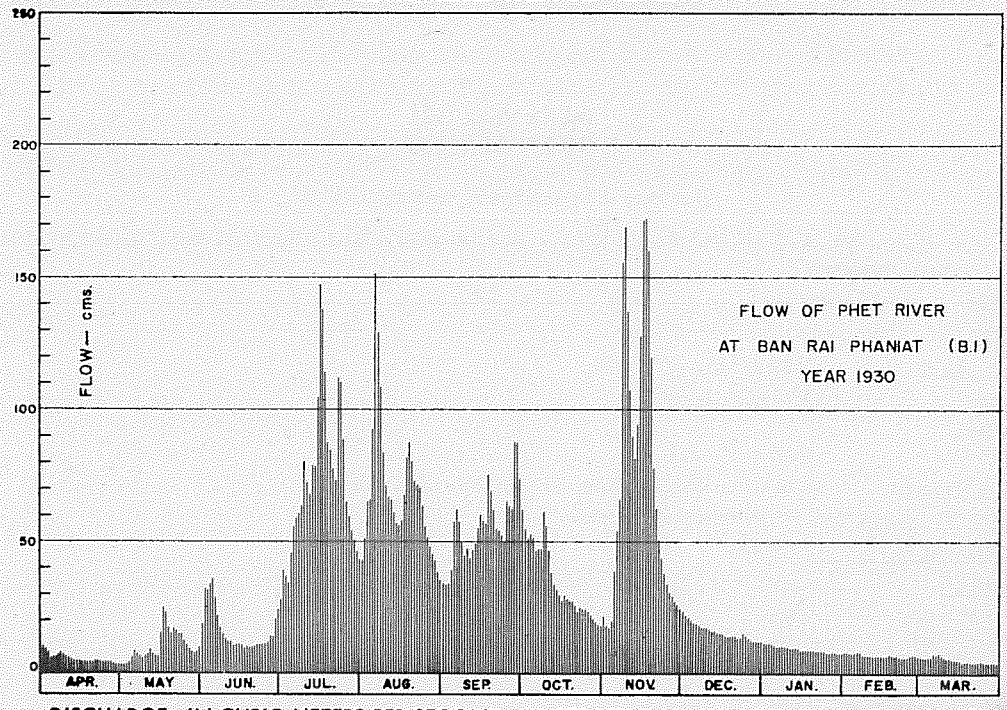
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	2.10	1.69	2.55	2.80	3.20	2.97	3.62	2.52	2.61	2.16	1.95	1.88
2	.05	.69	.89	3.09	.38	.92	.48	.42	.57	.15	.95	.87
3	.01	.75	.87	.06	.76	.98	.37	.39	.54	.14	.94	.88
4	1.88	.76	.98	2.92	.72	3.10	.43	.52	.51	.14	.94	.86
5	.91	.92	3.02	3.31	4.32	.54	.40	3.06	.48	.12	.94	.88
6	1.89	2.04	2.72	3.52	5.40	3.67	3.28	3.42	2.46	2.11	1.99	1.94
7	.98	1.95	.53	.61	.00	.56	.29	.80	.44	.10	.95	.92
8	2.02	.89	.38	.66	4.52	.36	.46	5.45	.41	.10	.93	.95
9	1.93	.87	.28	.73	.08	.22	.65	.70	.39	.10	.92	.89
10	.89	.92	.22	4.06	3.89	.30	.52	.08	.39	.08	.91	.85
11	1.86	1.99	2.15	3.91	3.74	3.20	3.26	4.46	2.38	2.07	1.91	1.83
12	.84	2.05	.17	.75	.78	.29	.07	.23	.38	.06	.90	.83
13	.82	1.94	.12	4.04	.65	.33	2.95	.05	.35	.06	.89	.82
14	.81	.88	.16	.01	.56	.51	.88	.42	.33	.05	.89	.81
15	.79	.90	.14	.61	.52	.63	.81	5.07	.32	.04	.89	.80
16	1.78	2.36	2.13	5.34	3.51	3.54	2.74	5.74	2.30	2.04	1.89	1.79
17	.78	.67	.07	.13	.83	.51	.79	.75	.29	.03	.89	.75
18	.77	.59	.10	4.55	4.11	.96	.78	.47	.28	.02	.94	.76
19	.77	.41	.05	.13	.20	.82	.75	4.52	.29	.02	.91	.76
20	.77	.31	.11	.17	.05	.65	.72	3.94	.29	.01	.90	.75
21	1.79	2.39	2.12	4.00	3.90	3.51	2.66	3.59	2.27	2.01	1.89	1.74
22	.78	.36	.14	3.85	.89	.48	.61	.36	.25	.01	.87	.74
23	.77	.34	.15	4.70	.86	.42	.66	.20	.29	.00	.86	.74
24	.76	.31	.16	.66	.68	.35	.64	.04	.33	1.99	.85	.74
25	.76	.21	.14	.14	.51	.75	.63	2.96	.29	.99	.85	.74
26	1.77	2.13	2.18	3.75	3.37	3.70	2.60	2.85	2.24	1.98	1.89	1.73
27	.76	.05	.28	.59	.27	.68	.54	.81	.21	.98	.93	.72
28	.74	.00	.27	.50	.24	4.20	.49	.74	.20	.97	.90	.72
29	.73	1.96	.58	.40	.15	.21	.46	.69	.18	.96	.89	.72
30	.71	2.02	.66	.30	.06	3.88	.44	.64	.17	.96		.72
31		.08		.21	.00		.42		.17	.96		.76
Mean	1.84	2.08	2.34	3.85	3.77	3.51	2.45	3.79	2.34	2.04	1.91	1.80
Max.	2.10	2.67	3.02	5.34	5.40	4.21	3.62	5.75	2.61	2.16	1.95	1.95
Min.	1.71	1.69	2.05	2.80	3.00	2.92	2.42	2.39	2.17	1.96	1.85	1.72

WATER YEAR 1930 : Max. 5.75 m. Min. 1.69 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	10	3.12	21	29	43	34	60	21	23	11	7.20	5.97
2	9.05	3.12	32	39	50	33	54	18	22	11	7.20	5.80
3	8.29	3.95	31	37	65	34	50	17	21	11	7.02	5.97
4	5.97	4.09	34	33	64	39	52	21	20	11	7.02	5.64
5	6.48	6.66	36	47	93	57	51	37	19	10	7.02	5.97
6	6.13	8.86	27	56	151	62	46	52	19	10	7.92	7.02
7	7.74	7.20	21	59	128	57	47	67	18	10	7.20	6.66
8	8.48	6.13	16	61	103	49	45	154	17	10	6.84	7.20
9	6.84	5.80	14	64	81	44	61	169	17	10	6.66	6.13
10	6.13	6.66	13	80	71	47	56	132	17	9.62	6.48	5.47
11	5.64	7.92	11	72	65	43	45	100	16	9.43	6.48	5.14
12	5.31	9.05	12	65	66	47	38	88	16	9.24	6.30	5.14
13	4.98	7.02	10	79	61	48	33	79	16	9.24	6.13	4.98
14	4.81	5.97	11	77	57	55	31	98	15	9.05	6.13	4.81
15	4.51	6.30	11	107	56	60	29	132	15	8.86	6.13	4.65
16	4.37	16	11	147	55	57	27	171	15	8.86	6.13	4.51
17	4.37	25	9.43	135	68	55	29	172	14	8.67	6.13	3.95
18	4.23	23	10	104	82	75	28	155	14	8.48	7.02	4.09
19	4.23	17	9.05	83	87	68	27	103	14	8.48	6.48	4.09
20	4.23	15	10	85	79	61	27	74	14	8.29	6.30	3.95
21	4.51	17	10	77	72	55	25	59	14	8.29	6.13	3.81
22	4.37	16	11	69	71	54	23	49	13	8.29	5.80	3.81
23	4.23	15	11	112	70	52	25	43	14	8.10	5.64	3.81
24	4.09	15	11	110	62	49	24	37	15	7.92	5.47	3.81
25	4.09	12	11	84	55	65	24	34	14	7.92	5.47	3.81
26	4.23	11	12	65	50	63	23	30	13	7.74	6.13	3.67
27	4.09	9.05	14	59	46	62	21	29	12	7.74	6.84	3.53
28	3.81	8.10	14	55	45	87	20	27	12	7.56	6.30	3.53
29	3.61	7.38	22	51	41	87	19	26	12	7.38	6.13	3.53
30	3.39	8.48	25	47	37	71	18	24	12	7.38		3.53
31		9.62		43	35		18		12	7.38		4.09
Total	162.21	316.48	490.48	2,231	2,109	1,670	1,076	2,218	485	277.92	187.70	148.07
Mean	5.41	10.2	16.3	71.9	68.0	55.7	34.7	73.9	15.6	8.96	6.47	4.78
Max.	10	25	36	147	151	87	60	172	23	11	7.20	7.20
Min.	3.39	3.12	9.05	29	35	33	18	17	12	7.38	5.47	3.53
Runoff - MCM.	14,015	27.344	42.377	192.758	182.218	144.288	92.996	191.635	41.904	24.012	16.217	12.793

WATER YEAR 1930 : Max. 172 Min. 3.12 Mean 31.1 Annual Runoff 982.529 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 17	18.00	5.75	172				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

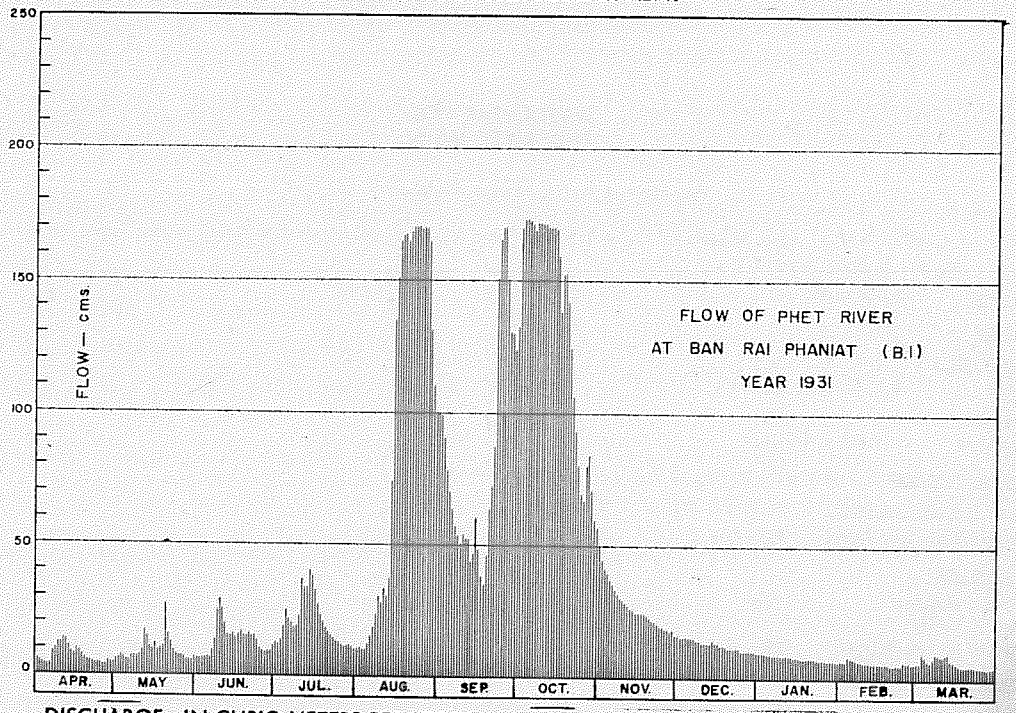
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Divisions. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.83	1.86	1.89	2.23	2.11	4.46	5.04	3.34	2.35	2.07	1.89	1.88
2	.79	.87	.89	.19	.14	.44	.72	.25	.34	.06	.89	.88
3	.77	.94	.90	.28	.12	.22	.76	.15	.34	.05	.91	2.08
4	.75	.89	.89	.17	.11	.00	.76	.10	.32	.04	2.00	1.98
5	.75	.87	.94	.67	.24	3.84	.76	.05	.32	.03	1.96	.92
6	1.77	1.87	1.93	2.55	2.38	3.67	5.74	2.99	2.30	2.02	1.96	1.91
7	2.05	.92	2.08	.51	.49	.53	.70	.93	.29	.01	.93	.99
8	.10	.96	.34	.42	.67	.47	.75	.88	.28	.01	.91	2.09
9	.21	.93	.71	.46	.82	.37	.74	.83	.26	.01	.89	.06
10	.19	.97	.79	.63	.74	.49	.74	.80	.25	.01	.87	.01
11	2.28	2.05	2.63	3.04	2.94	3.43	5.73	2.76	2.24	2.00	1.86	2.04
12	.25	.41	.43	2.92	.85	.43	.72	.73	.24	1.99	.85	.05
13	.12	.30	.30	.96	.84	.18	.72	.70	.25	.99	.85	.05
14	.01	.08	.32	3.13	4.10	.38	.72	.67	.26	.98	.87	1.92
15	1.99	.11	.35	.05	5.07	.62	.70	.65	.23	.97	.86	.89
16	2.11	2.18	2.27	2.89	5.43	3.25	5.44	2.65	2.22	1.97	1.88	1.86
17	.04	.04	.35	.73	.63	.08	.08	.63	.20	.96	.87	.83
18	1.96	.11	.39	.60	.67	.00	.42	.63	.19	.95	.84	.81
19	.90	.16	.30	.50	.67	.29	.44	.60	.17	.95	.83	.80
20	.85	.74	.31	.45	.64	.72	.21	.56	.16	.95	.82	.80
21	1.85	2.38	2.36	2.36	5.70	3.97	4.83	2.54	2.15	1.94	1.82	1.80
22	.79	.19	.30	.33	.72	4.41	.52	.52	.14	.94	.83	.82
23	.77	.06	.30	.27	.72	5.42	.23	.50	.14	.93	.82	.80
24	.76	1.99	.23	.23	.71	.66	.02	.48	.13	.93	.82	.77
25	.75	.98	.11	.23	.70	.71	3.84	.46	.12	.92	.91	.76
26	1.74	1.98	2.07	2.20	5.71	5.71	3.79	2.45	2.11	1.92	1.87	1.76
27	.75	.93	.05	.15	.69	.32	4.07	.43	.10	.91	.84	.75
28	.83	.88	.07	.17	.47	.04	.15	.41	.10	.91	.83	.74
29	.78	.86	.05	.17	4.95	.04	3.90	.39	.09	.90	.84	.74
30	.79	.86	.17	.14	.62	4.87	.60	.37	.08	.90		.73
31		.94		.12	.47		.56		.08	.88		.73
Mean	1.85	2.04	2.22	2.48	4.16	4.10	5.04	2.71	2.21	1.97	1.87	1.88
Max.	2.28	2.74	2.79	3.13	5.72	5.71	5.76	3.34	2.35	2.07	2.00	2.09
Min.	1.74	1.86	1.89	2.12	2.11	3.00	3.56	2.37	2.08	1.88	1.82	1.73

WATER YEAR 1931 : Max. 5.76 m. Min. 1.73 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.14	5.64	6.13	13	10	100	130	49	16	9.43	6.13	5.97
2	4.51	5.80	6.13	12	11	99	170	45	15	9.24	6.13	5.97
3	4.23	7.02	6.30	14	10	88	173	41	15	9.05	6.48	9.62
4	3.95	6.13	6.13	19	10	77	173	39	15	8.86	8.10	7.74
5	3.95	5.80	7.02	25	13	69	173	37	15	8.67	7.38	6.66
6	4.23	5.80	6.84	21	16	62	171	35	15	8.48	7.38	6.48
7	9.05	6.66	9.62	20	20	56	169	33	14	8.29	6.84	7.92
8	10	7.38	15	18	25	54	172	31	14	8.29	6.48	9.81
9	12	6.84	26	19	30	50	171	30	14	8.29	6.13	9.24
10	12	7.56	29	23	27	54	171	29	13	8.29	5.80	8.29
11	14	9.05	23	37	33	52	171	28	13	8.10	5.64	8.86
12	13	17	18	33	30	52	170	27	13	7.92	5.47	9.05
13	10	15	15	34	30	42	170	26	13	7.92	5.47	9.05
14	8.29	9.62	15	40	82	50	170	25	14	7.74	5.80	6.66
15	7.92	10	16	37	132	60	169	24	13	7.56	5.64	6.13
16	10	12	14	32	153	45	153	24	13	7.56	5.97	5.64
17	8.86	8.86	16	27	165	38	132	24	12	7.38	5.80	5.14
18	7.38	10	17	23	167	35	152	24	12	7.20	5.31	4.81
19	6.30	11	15	20	167	47	153	23	12	7.20	5.41	4.65
20	5.47	27	15	18	165	64	140	22	11	7.20	4.98	4.65
21	5.47	16	16	16	169	75	119	21	11	7.02	4.98	4.65
22	4.51	12	15	15	170	97	103	21	11	7.02	5.14	4.98
23	4.23	9.24	15	14	170	152	88	20	11	6.84	4.98	4.65
24	4.09	7.92	13	13	170	167	78	19	11	6.84	4.98	4.23
25	3.95	7.74	10	13	169	170	69	19	10	6.66	6.48	4.09
26	3.81	7.74	9.43	12	170	170	67	18	10	6.66	5.80	4.09
27	3.95	6.84	9.05	11	168	146	80	18	10	6.48	5.31	3.75
28	5.14	5.97	9.43	12	155	130	84	17	10	6.48	5.14	3.81
29	4.37	5.64	9.05	12	125	130	67	18	9.81	6.30	5.31	3.81
30	4.51	5.64	12	11	108	121	59	16	9.62	6.30		3.67
31		7.02		10	100		57		9.62	5.97		3.67
Total	204.31	285.91	400.13	624	2,970	2,552	4,124	803	385.05	235.24	170.19	187.74
Mean	6.81	9.22	13.3	20.1	95.8	85.1	133	26.8	12.4	7.59	5.86	6.06
Max.	14	27	29	40	170	170	173	49	16	9.43	8.10	9.81
Min.	3.81	5.64	6.13	10	10	35	57	16	9.62	5.97	4.98	3.67
Runoff - mcm.	17.652	24.703	34.571	53.914	256.608	220.493	356.314	69.479	33.268	20.325	14.704	16.221

WATER YEAR 1931 : Max. 173 Min. 3.67 Mean 35.3 Annual Runoff 1,118.152 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 2	06.00	5.76	173				

WATER YEAR 1932
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:

Elevation: + 5.677 m. (M.S.L.)

Gage Reading Frequency: 3-time daily reading 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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

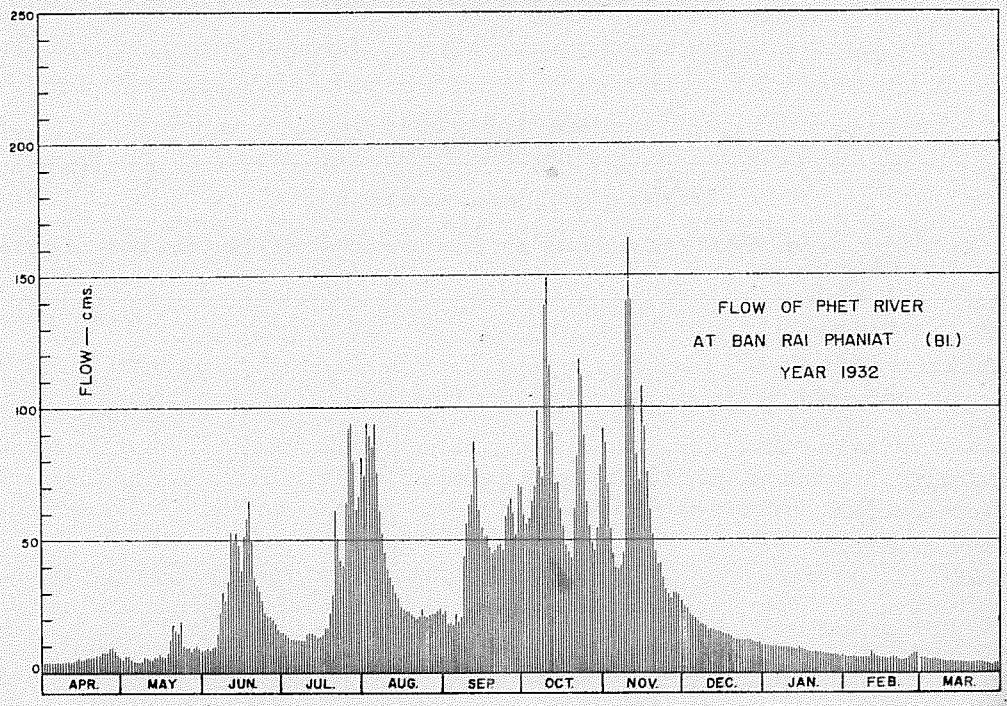
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.73	1.81	2.00	2.31	3.92	2.61	3.55	4.18	2.66	2.11	1.87	1.83
2	.73	.89	.09	.26	4.34	.44	.52	3.70	.62	.10	.87	.83
3	.72	.86	.02	.23	.25	.46	.61	.40	.56	.09	.87	.82
4	.72	.82	.12	.20	.17	.48	.74	.21	.52	.09	.87	.81
5	.72	.76	.11	.23	.34	.57	.88	.09	.51	.08	.85	.79
6	1.71	1.74	2.31	2.21	3.97	2.47	4.45	3.11	2.47	2.06	1.85	1.82
7	.71	.73	.58	.19	.65	.50	3.90	.14	.45	.06	.85	.78
8	.72	.73	.82	.20	.41	3.19	.78	.29	.43	.05	.84	.77
9	.74	.87	.70	.21	.27	.56	5.20	5.20	.40	.05	.84	.76
10	.73	.86	.99	.31	.10	.70	.37	.62	.38	.05	.83	.75
11	1.72	1.82	3.44	2.34	2.99	3.82	4.65	5.21	2.36	2.04	1.98	1.75
12	.72	.82	.35	.30	.94	4.20	.14	4.48	.35	.03	.89	.75
13	.80	.84	.44	.28	.83	3.94	3.88	3.99	.33	.02	.87	.74
14	.85	.83	.32	.25	.76	.55	.91	.87	.32	.06	.84	.74
15	.78	.90	.00	.24	.68	.48	.64	4.62	.30	.00	.84	.74
16	1.77	1.87	3.43	2.38	2.63	3.40	3.45	4.31	2.27	2.00	1.83	1.74
17	.84	.84	.62	.40	.60	.41	.30	3.94	.27	1.98	.82	.73
18	.84	.90	.75	.39	.59	.30	.24	.62	.26	.97	.83	.71
19	.83	2.21	.23	.60	.58	.26	.20	.39	.25	.96	.83	.71
20	.87	.42	2.96	.86	.53	.27	.76	.24	.21	.96	.83	.71
21	1.91	2.36	2.94	3.64	2.51	3.32	4.09	3.31	2.21	1.95	1.81	1.72
22	.89	.32	.86	.27	.54	.32	.82	.14	.21	.95	.81	.72
23	.95	.26	.72	.36	.64	.23	.68	2.92	.20	.94	.81	.75
24	.96	.04	.61	.05	.53	.59	.20	.86	.20	.93	.81	.73
25	.95	.05	.54	.72	.52	.72	3.68	.81	.19	.93	.83	.71
26	2.06	2.05	2.55	4.31	2.56	3.78	3.49	2.76	2.17	1.92	1.89	1.70
27	.06	1.99	.51	.35	.58	.53	.33	.82	.16	.91	.94	.68
28	1.96	2.07	.42	3.90	.57	.29	.28	.85	.15	.91	.94	.67
29	.89	.12	.35	.62	.60	.88	.57	.80	.14	.88		.70
30	.84	.03	.30	.79	.62	.86	4.03	.73	.13	.88		.70
31		1.99		4.08	.55		.31		.12	.89		.73
Mean	1.82	1.96	2.77	2.88	3.02	3.30	3.92	3.48	2.32	1.99	1.86	1.74
Max.	2.06	2.42	3.75	4.35	4.34	4.20	5.37	5.62	2.66	2.11	1.98	1.83
Min.	1.71	1.73	2.00	2.20	2.51	2.44	3.20	2.73	2.12	1.88	1.81	1.67

WATER YEAR 1932 : Max. 5.62 m. Min. 1.67 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	3.67	4.81	8.10	15	73	23	57	86	25	10	5.80	5.14
2	3.67	6.13	9.81	14	94	18	56	63	24	10	5.80	5.14
3	3.53	5.64	8.48	13	89	19	59	51	22	9.81	5.80	4.98
4	3.53	4.98	10	12	85	18	65	43	21	9.81	5.80	4.81
5	3.53	4.09	10	13	94	22	71	39	20	9.62	5.47	4.51
6	3.39	3.81	15	12	75	19	99	39	19	9.24	5.47	4.98
7	3.39	3.67	22	12	61	20	72	41	18	9.24	5.47	4.37
8	3.53	3.67	30	12	51	43	66	47	18	9.05	5.31	4.23
9	3.81	5.80	26	12	46	57	139	139	17	9.05	5.31	4.09
10	3.67	5.64	35	15	39	63	149	164	16	9.05	5.64	3.95
11	3.53	4.98	53	15	35	68	109	140	16	8.86	7.74	3.95
12	3.53	4.98	49	15	33	87	84	101	16	8.67	6.13	3.95
13	4.65	5.31	53	14	30	74	71	76	15	8.48	5.80	3.81
14	5.47	5.14	48	13	28	57	72	70	15	9.24	5.31	3.81
15	4.37	6.30	35	13	25	54	61	108	15	8.10	5.31	3.81
16	4.23	5.80	52	14	24	51	53	92	14	8.10	5.14	3.81
17	5.31	5.31	60	17	23	51	47	74	14	7.74	4.98	3.67
18	5.31	6.30	65	17	23	47	45	60	14	7.56	5.14	3.39
19	5.14	12	44	23	22	45	43	51	13	7.38	5.14	3.39
20	5.80	18	34	31	21	46	65	45	12	7.38	5.14	3.39
21	6.48	16	33	61	20	48	81	40	12	7.20	4.81	3.53
22	6.13	15	31	46	21	48	118	41	12	7.20	4.81	3.53
23	7.20	19	27	41	24	44	111	33	12	7.02	4.81	3.95
24	7.38	8.86	23	37	21	59	87	31	12	6.84	4.81	3.67
25	7.20	9.05	21	64	21	64	62	29	12	6.84	5.14	3.39
26	9.24	9.05	21	92	22	66	55	28	12	6.66	6.13	3.25
27	9.24	7.92	20	94	22	56	48	30	11	6.48	7.02	3.00
28	7.38	9.43	18	72	22	47	46	30	11	6.48	7.02	2.87
29	6.13	10	16	60	23	71	58	29	11	5.97		3.25
30	5.31	8.67	15	67	24	70	78	27	11	5.97		3.53
31		7.92		81	21		92		10	6.13		3.67
Total	154.75	243.26	892.39	1,017	1,212	1,455	2,319	1,847	470	249.17	156.25	120.82
Mean	5.16	7.85	29.7	32.8	39.1	48.50	74.8	61.6	15.2	8.03	5.58	3.90
Max.	9.24	19	65	94	94	87	139	164	25	10	7.74	5.14
Min.	3.39	3.67	8.10	12	20	18	43	27	10	5.97	5.14	2.87
Runoff - mcm.	13.370	21.018	77.102	87.869	104.717	125.712	200.462	159.581	40.608	21.528	13.500	10.439

WATER YEAR 1932 : Max. 164 Min. 2.87 Mean 27.8 Annual Runoff 875.806 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 10	06.00	5.64	165				

WATER YEAR 1933
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-08" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

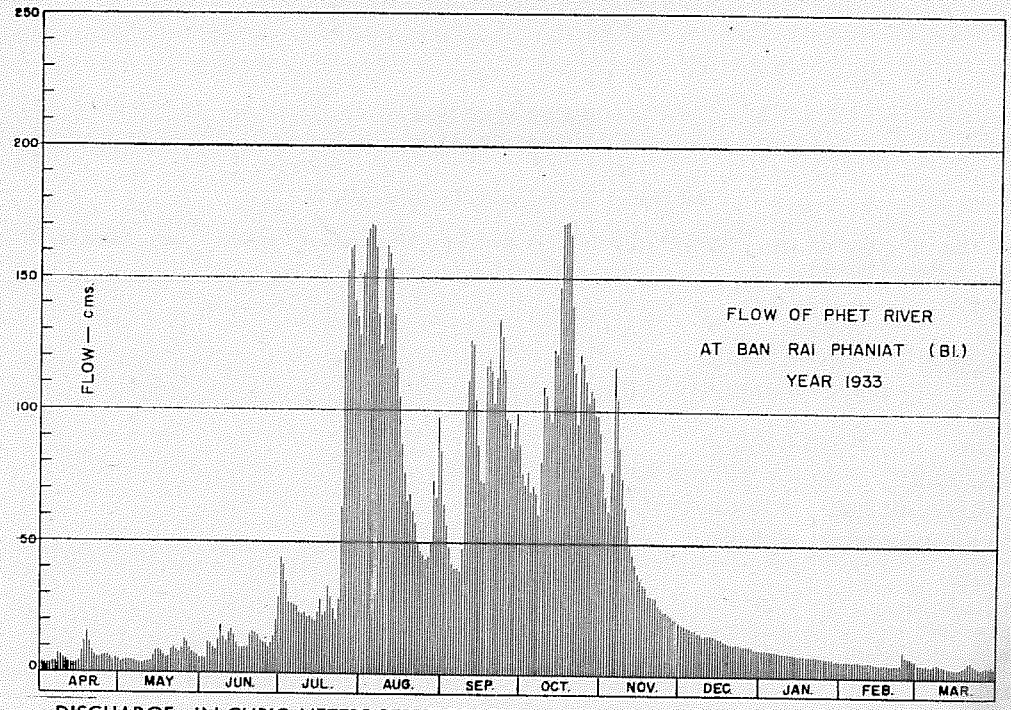
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local resident. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.73	1.75	1.86	3.23	5.40	3.71	3.93	3.96	2.47	2.10	1.88	1.82
2	.71	.79	.86	.16	.63	.50	.88	.75	.46	.09	.87	.80
3	.69	.79	2.17	2.92	.68	.29	.98	.64	.45	.08	.87	.79
4	.69	.82	.15	.69	.71	.15	.83	4.13	.44	.07	.87	.77
5	.68	.81	.07	.74	.70	.13	.88	.78	.41	.05	.86	.76
6	1.75	1.77	2.02	2.71	5.49	3.13	3.80	4.51	2.39	2.05	1.86	1.76
7	.95	.75	.25	.67	4.97	.11	.62	.14	.37	.05	.86	.81
8	.90	.75	.45	.60	.92	.30	4.09	3.93	.36	.03	.85	.83
9	.82	.73	.25	.61	5.45	4.46	.64	.67	.34	.02	.85	.80
10	.78	.75	.21	.59	.58	.69	.55	.49	.33	.02	.84	.77
11	1.74	1.75	2.37	2.53	5.53	4.96	4.37	3.36	2.34	2.01	1.83	1.75
12	.71	.76	.41	.56	.40	.92	.38	.26	.30	.00	.83	.74
13	.71	.89	.26	.55	4.98	.48	.91	.16	.30	.00	.82	.72
14	.71	2.02	.15	.50	.64	.13	.88	.08	.28	1.99	.82	.72
15	.77	.02	.06	.65	.54	3.86	5.31	.02	.27	.98	.81	.71
16	2.03	1.99	2.10	2.75	4.12	3.86	5.72	2.97	2.26	1.98	1.81	1.71
17	.21	.90	.12	.53	3.96	4.80	.74	.95	.24	.97	.81	.70
18	.31	.88	.10	.67	.76	.84	.74	.82	.23	.97	.81	.76
19	.16	.88	.30	.95	.82	.55	.64	.82	.21	.95	.80	.81
20	.03	2.07	.36	.77	.66	.49	.13	.79	.21	.95	.79	.87
21	1.91	2.08	2.33	2.61	3.54	4.76	4.63	2.75	2.19	1.95	1.78	1.89
22	.86	.03	.29	.51	.34	5.16	.24	.71	.18	.95	.78	.81
23	.87	1.99	.20	.83	.27	.01	.88	.68	.18	.94	.88	.77
24	.89	2.06	.19	4.08	.24	4.72	.79	.65	.16	.94	2.09	.75
25	.89	.23	.13	.98	.20	.36	.68	.62	.15	.93	1.95	.73
26	1.93	2.15	2.11	5.43	3.24	4.36	4.51	2.60	2.14	1.92	1.98	1.75
27	.86	.03	.21	.56	.41	.11	.60	.57	.14	.91	.91	.76
28	.82	1.95	.27	.59	.93	.34	.56	.54	.13	.90	.89	.75
29	.83	.96	.65	.20	.72	.43	.30	.52	.12	.87		.79
30	.79	.93	.84	.11	4.40	.19	.33	.49	.12	.89		.71
31	–	.88	–	.01	.10	–	.21	–	.10	.88		.71
Mean	1.39	1.91	2.19	3.33	4.46	4.09	4.57	3.21	2.27	1.92	1.86	1.77
Max.	2.31	2.23	2.84	5.59	5.71	5.16	5.74	4.78	2.47	2.10	2.09	1.89
Min.	1.68	1.73	1.86	2.50	3.20	3.11	3.62	2.49	2.10	1.87	1.78	1.70

WATER YEAR 1933 : Max. 5.74 m. Min. 1.68 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	3.67	3.95	5.64	44	151	63	73	75	19	10	5.97	4.98
2	3.39	4.51	5.64	41	165	55	71	65	19	9.81	5.80	4.65
3	3.12	4.51	12	33	168	47	76	61	18	9.62	5.80	4.51
4	3.12	4.98	11	26	170	41	68	83	18	9.43	5.80	4.23
5	3.00	4.81	9.43	27	169	40	71	116	17	9.05	5.64	4.09
6	3.95	4.23	8.48	26	156	40	67	102	17	9.05	5.64	4.09
7	7.20	3.95	13	25	126	39	60	84	16	9.05	5.64	4.81
8	6.30	3.95	18	23	123	47	81	73	16	8.67	5.47	5.14
9	4.98	3.67	13	23	154	100	109	62	15	8.48	5.47	4.65
10	4.37	3.95	12	23	162	111	104	55	15	8.48	5.31	4.23
11	3.81	3.95	16	21	159	126	95	49	15	8.29	5.14	3.95
12	3.39	4.09	17	22	151	124	96	45	15	8.10	5.14	3.81
13	3.39	6.13	14	21	127	101	123	41	15	8.10	4.98	3.53
14	3.39	8.48	11	20	109	83	121	38	14	7.92	4.98	3.53
15	4.23	8.48	9.24	24	104	70	146	36	14	7.74	4.81	3.39
16	8.67	7.92	10	27	83	70	170	34	14	7.74	4.81	3.39
17	12	6.30	10	21	75	117	171	33	13	7.56	4.81	3.25
18	15	5.97	10	25	65	119	171	30	13	7.56	4.81	4.09
19	11	5.97	15	33	68	104	165	30	12	7.20	4.65	4.81
20	8.67	9.43	16	28	61	101	135	29	12	7.20	4.51	5.80
21	6.46	9.62	15	23	57	115	108	29	12	7.20	4.37	6.13
22	5.64	8.67	14	20	49	134	89	26	12	7.20	4.37	4.81
23	5.80	7.92	12	30	46	128	121	25	12	7.02	5.79	4.23
24	6.13	9.24	12	81	45	113	116	24	11	7.02	9.81	3.95
25	6.13	13	11	127	43	95	111	24	11	6.84	7.20	3.67
26	6.84	11	10	153	45	95	102	23	11	6.66	7.74	3.95
27	5.64	8.67	12	161	51	82	107	22	11	6.48	6.48	4.09
28	4.98	7.20	14	162	73	94	105	21	11	6.30	6.13	3.95
29	5.14	7.38	24	139	64	96	92	21	10	5.80		4.51
30	4.51	6.84	30	134	97	86	93	20	10	6.13		3.39
31		5.97		128	82		87		10	5.97		3.39
Total	173.94	204.74	390.43	1,691	3,198	2,638	3,304	1,374	428	241.67	157.07	131
Mean	5.80	6.60	13.0	54.5	103	87.9	106	45.8	13.8	7.79	5.61	4.22
Max.	15	13	30	162	170	134	171	116	19	10	9.81	6.13
Min.	3.00	3.67	5.64	20	43	39	60	20	10	5.80	4.37	3.25
Runoff - mcm.	15.028	17.689	33.733	146.102	276.307	227.923	285.466	118.714	36.979	20.880	13.571	11.318

WATER YEAR 1933 : Max. 171 Min. 3.00 Mean 38.2 Annual Runoff 1,203.712 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 18	18.00	5.74	171				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1934
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B. 1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location: -

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow

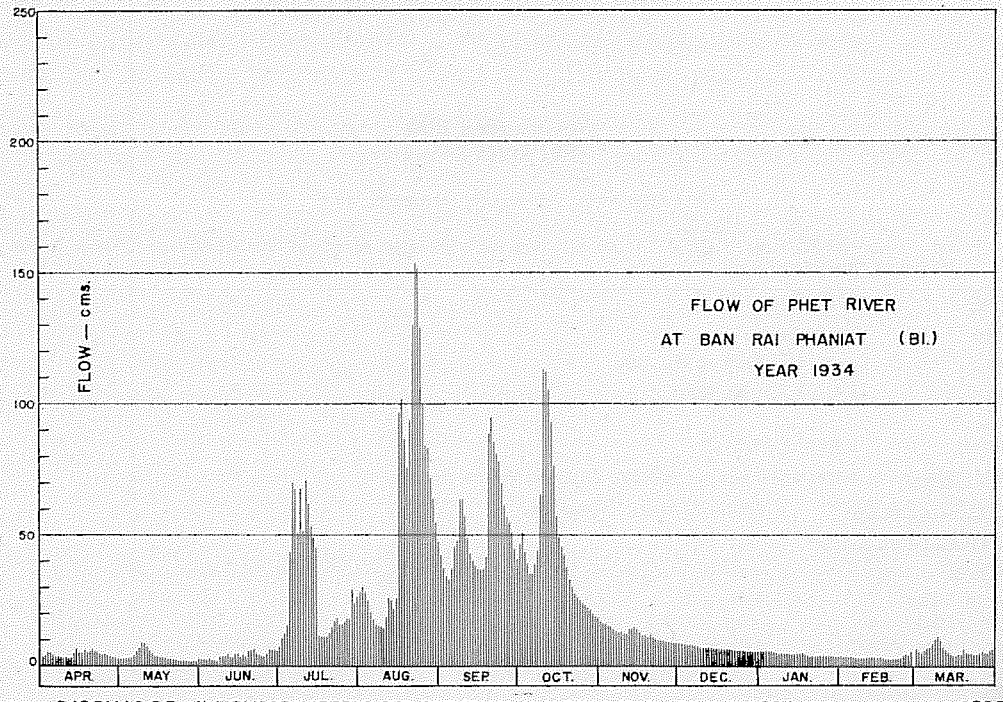
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.70	1.66	1.63	1.95	2.80	3.17	3.30	2.40	2.01	1.85	1.70	1.89
2	.70	.64	.61	2.14	.82	.05	.41	.36	.00	.85	.70	.80
3	.85	.64	.61	.23	.77	2.97	.23	.35	.00	.88	.69	.76
4	.80	.65	.63	.28	.67	.94	.10	.32	1.98	.86	.69	.88
5	.78	.68	.60	3.19	.51	3.04	2.99	.31	.97	.84	.68	.91
6	1.74	1.73	1.58	3.87	2.43	3.27	3.02	2.28	1.96	1.83	1.68	1.91
7	.73	.85	.62	.80	.36	.32	.14	.26	.95	.81	.67	2.02
8	.70	.89	.70	.32	.33	.71	.25	.24	.94	.80	.67	.12
9	.68	2.04	.71	.80	.31	.73	.69	.22	.93	.79	.66	.13
10	.69	.05	.69	.26	.26	.55	4.73	.21	.93	.79	.66	.06
11	1.67	1.97	1.77	2.89	2.36	3.35	4.71	2.20	1.93	1.79	1.66	1.91
12	.67	.88	.69	.65	.69	.21	.57	.27	.92	.78	.65	.84
13	.81	.79	.68	.48	.67	.12	.27	.26	.92	.78	.65	.79
14	.90	.75	.79	.36	.52	.08	3.89	.31	.91	.78	.65	.75
15	.83	.75	.82	.26	.69	.06	.51	.26	.91	.77	.64	.73
16	1.81	1.71	1.70	2.19	4.38	3.03	3.32	2.22	1.90	1.78	1.64	1.71
17	.89	.69	.78	.16	.50	.04	.25	.21	.90	.77	.63	.80
18	.84	.69	.75	.13	.11	.18	.17	.19	.89	.76	.63	.92
19	.87	.67	.86	.13	3.93	4.25	.04	.16	.89	.72	.63	.90
20	.91	.65	.88	.17	4.36	.36	2.93	.17	.88	.75	.62	.81
21	1.85	1.64	1.90	2.34	5.14	4.16	2.83	2.15	1.87	1.74	1.62	1.80
22	.83	.61	.79	.39	.45	.07	.77	.12	.87	.74	.62	.78
23	.79	.60	.77	.42	.40	.02	.71	.10	.86	.74	.62	.75
24	.78	.60	.73	.38	4.94	3.84	.66	.08	.86	.74	.67	.77
25	.79	.60	.71	.36	.35	.64	.62	.07	.85	.73	.75	.78
26	1.78	1.60	1.78	2.39	4.10	3.54	2.61	2.06	1.84	1.73	1.77	1.85
27	.74	.58	.90	.43	.12	.49	.56	.04	.84	.73	.75	.79
28	.71	.57	.86	.45	3.89	.41	.52	.03	.84	.72	.83	.77
29	.69	.56	.90	.79	.70	.25	.51	.03	.85	.72		.83
30	.67	.60	.86	.64	.44	.12	.47	.02	.86	.71		.91
31		.67		.73	.29		.43		.85	.70		.88
Mean	1.77	1.71	1.74	2.52	3.46	3.43	3.20	2.19	1.91	1.77	1.67	1.86
Max.	1.91	2.05	1.90	3.87	5.45	4.36	4.73	2.40	2.01	1.88	1.83	2.13
Min.	1.67	1.56	1.58	1.95	2.26	2.94	2.43	2.02	1.84	1.70	1.62	1.71

WATER YEAR 1934 : Max. 5.45. m. Min. 1.56 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	3.25	2.75	2.37	7.20	29	42	47	17	8.29	5.47	3.25	6.13
2	3.25	2.50	2.12	11	30	37	51	16	8.10	5.47	3.25	4.65
3	5.47	2.50	2.12	13	28	34	44	16	8.10	5.97	3.12	4.09
4	4.65	2.62	2.37	14	25	33	39	15	7.74	5.64	3.12	5.97
5	4.37	3.00	2.00	43	20	37	35	15	7.56	5.31	3.00	6.48
6	3.81	3.67	1.81	70	18	46	36	14	7.38	5.14	3.00	6.48
7	3.67	5.47	2.25	67	16	48	41	13	7.20	4.81	2.87	8.48
8	3.25	6.13	3.25	48	15	63	45	13	7.02	4.65	2.87	10
9	3.00	8.86	3.39	67	15	64	62	13	6.84	4.51	2.75	11
10	3.12	9.05	3.12	45	14	57	113	12	6.84	4.51	2.75	9.24
11	2.87	7.56	4.23	71	16	49	112	12	6.84	4.51	2.75	6.48
12	2.87	5.97	3.12	61	26	43	105	14	6.66	4.37	2.62	5.31
13	4.81	4.51	3.00	54	25	40	90	14	6.66	4.37	2.62	4.51
14	6.30	3.95	4.51	49	21	38	71	15	6.48	4.37	2.62	3.95
15	5.14	3.95	4.98	45	26	37	55	14	6.48	4.23	2.50	3.67
16	4.81	3.39	3.25	12	96	37	48	13	6.30	4.37	2.50	3.39
17	6.13	3.12	4.37	11	102	37	45	12	6.30	4.23	2.37	4.65
18	5.31	3.12	3.95	11	82	42	42	12	6.13	4.09	2.37	3.53
19	5.80	2.87	5.64	11	73	89	37	11	6.13	3.53	2.37	6.30
20	6.48	2.62	5.97	12	95	95	33	12	5.97	3.95	2.25	4.81
21	5.47	2.50	6.30	15	136	85	30	11	5.80	3.81	2.25	4.65
22	5.14	2.12	4.51	17	154	80	28	10	5.80	3.81	2.25	4.37
23	4.51	2.00	4.23	18	151	78	26	10	5.64	3.81	2.25	3.95
24	4.37	2.00	3.67	16	125	69	25	9.62	5.64	3.81	2.87	4.23
25	4.51	2.00	3.39	16	94	61	24	9.43	5.47	3.67	3.95	4.37
26	4.37	2.00	4.37	17	82	57	23	9.24	5.31	3.67	4.23	5.47
27	3.81	1.81	6.30	18	83	55	22	8.86	5.31	3.67	3.95	4.51
28	3.39	1.70	5.64	18	71	51	21	8.67	5.31	3.53	5.14	4.23
29	3.12	1.61	6.30	29	63	45	20	8.67	5.47	3.53		5.14
30	2.87	2.00	5.64	24	53	40	19	8.48	5.64	3.39		6.48
31		2.87		27	47		18		5.47	3.25		5.97
Total	129.92	110.22	118.17	937.20	1,831	1,589	1,407	366.97	199.88	133.45	81.84	172.49
Mean	4.33	3.55	3.94	30.2	59.1	52.9	45.4	12.2	6.45	4.30	2.92	5.56
Max.	6.48	9.05	6.30	70	154	95	113	17	8.29	5.97	5.14	11
Min.	2.87	1.61	1.81	7.20	14	33	18	8.48	5.31	3.25	2.25	3.39
Runoff — mcm.	11.225	9.520	10.210	80.974	158.198	137.289	121.564	31.706	17.269	11.530	7.071	14.903

WATER YEAR 1934 : Max. 154 Min. 1.61 Mean 19.4 Annual Runoff 611.465 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 22	01.00	5.47	155				

WATER YEAR 1935
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (8.1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang Petchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 6.802 m. (M.S.L.)

Bench Mark: B.M. – R.I.D. No. 021

Location: –

Elevation: + 5.677 m. (M.S.L.)

Gage Reading Frequency: 3-time daily readings at 06.00, 09.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 3 readings.

Period of Available Gage Records: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

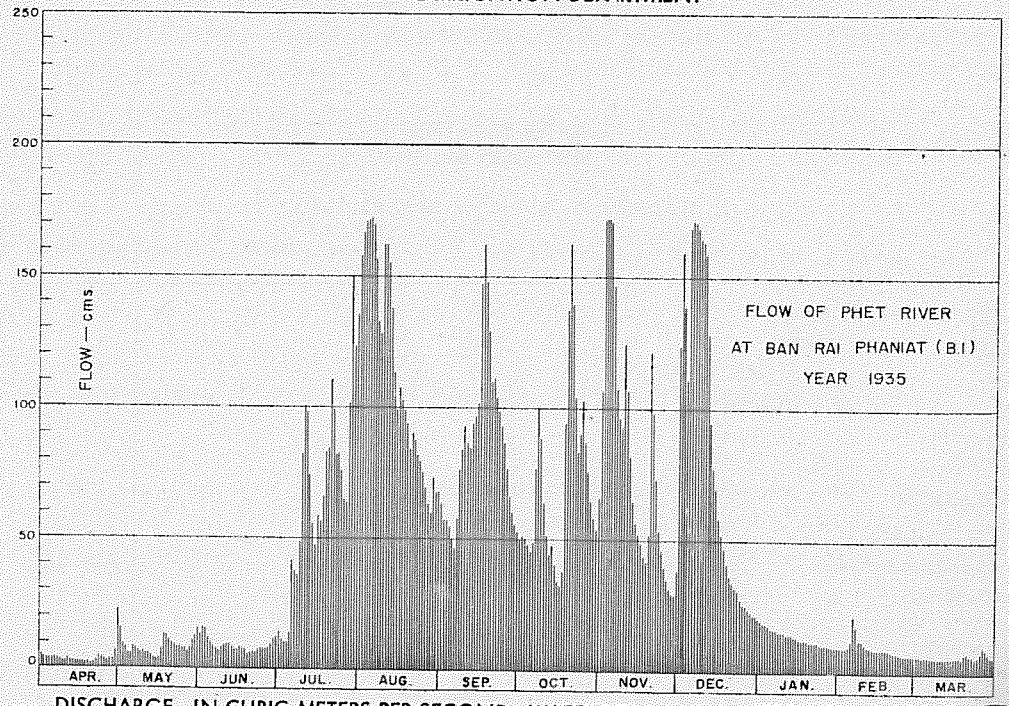
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.80	2.27	2.21	2.26	5.50	3.66	3.38	4.09	5.03	2.46	2.05	1.89
2	.75	.07	.37	.16	.67	.55	.41	5.74	.54	.45	.07	.89
3	.73	1.95	.31	.09	.73	.56	.37	.75	4.91	.42	.06	.88
4	.72	.86	.20	.10	.73	.49	.30	.75	.55	.40	.09	.87
5	.74	.83	.10	.26	.75	.35	.25	.71	5.70	.38	.19	.86
6	1.73	2.03	2.02	3.16	5.70	3.23	3.33	5.18	5.74	2.35	2.52	1.86
7	.71	1.98	1.96	.00	.42	.63	4.04	4.64	.72	.34	.31	.85
8	.68	.91	.92	2.97	.01	4.00	.44	.36	.68	.32	.21	.84
9	.67	.88	.98	3.34	.02	.23	.02	.28	.59	.30	.17	.84
10	.66	1.90	2.06	4.12	.59	.33	3.56	.93	.60	.30	.12	.83
11	1.70	1.86	2.06	4.47	5.59	4.16	3.35	4.49	5.50	2.28	2.08	1.83
12	.67	.86	1.97	.39	.39	.14	.21	3.99	4.94	.27	.05	.83
13	.65	.79	.94	3.76	4.97	.35	.31	.69	.05	.26	.04	.85
14	.64	.74	.95	.36	.64	.41	.11	.51	3.96	.24	.04	.83
15	.62	.72	.97	.24	.41	.44	2.95	.38	.74	.23	.03	.81
16	1.62	1.72	2.03	3.60	4.60	5.35	2.91	3.29	3.50	2.21	2.02	1.80
17	.61	.89	1.98	.53	.50	.58	.87	.21	.35	.20	.01	.80
18	.60	2.25	.92	.81	.40	.27	4.05	.14	.21	.18	.01	.85
19	.60	.19	.87	4.12	.33	.03	5.19	.46	.09	.17	.00	.95
20	.59	.11	.89	.16	.07	4.67	.58	4.87	.01	.16	1.98	1.96
21	1.62	2.07	1.91	4.67	4.27	4.68	5.16	4.24	2.93	2.14	1.96	1.91
22	.68	.02	.93	.29	.20	.46	4.34	3.71	.87	.13	.94	.90
23	.80	.00	.96	.03	.09	.42	.06	.40	.83	.12	.93	.84
24	.74	.01	.97	.10	.04	.31	.30	.20	.75	.10	.93	.86
25	.69	1.97	.94	3.85	3.94	.13	.50	.07	.68	.09	.91	.94
26	1.67	1.94	1.97	3.72	3.81	3.95	4.04	2.95	2.66	2.09	1.90	2.11
27	.70	.91	.98	.73	.64	.75	3.92	.88	.61	.08	.90	.04
28	.68	.95	2.05	4.43	.54	.61	.67	.81	.58	.07	.90	1.95
29	.82	2.19	.20	5.37	.92	.48	.53	.79	.54	.07	.89	.88
30	2.56	.23	.18	4.76	.80	.42	.44	3.17	.52	.06		.87
31		.32		5.04	.83		.62		.49	.06		.86
Mean	1.71	1.98	2.03	3.67	4.68	4.15	3.78	3.99	3.93	2.22	2.04	1.88
Max.	2.56	2.32	2.37	5.37	5.75	5.58	5.58	5.75	5.74	2.46	2.52	2.11
Min.	1.59	1.72	1.87	2.09	3.54	3.23	2.87	2.79	2.49	2.06	1.89	1.80

WATER YEAR 1935 : Max. 5.75 m. Min. 1.59 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	4.65	14	12	14	157	61	50	81	130	19	9.05	6.13
2	3.95	9.43	16	11	167	57	51	171	159	18	9.43	6.13
3	3.67	7.02	15	9.81	171	57	50	172	123	18	9.24	5.97
4	3.67	5.64	12	10	171	55	47	172	104	17	9.81	5.80
5	3.81	5.14	10	14	172	49	45	170	169	16	12	5.64
6	3.67	8.67	8.40	41	169	44	48	138	171	16	21	5.64
7	3.39	7.74	7.38	35	152	60	79	109	170	15	15	5.47
8	3.00	4.48	6.66	34	128	77	99	95	168	15	12	5.31
9	2.87	5.97	7.74	49	129	88	78	91	162	15	12	5.31
10	2.75	6.30	9.24	83	162	93	57	124	163	15	10	5.14
11	3.25	5.64	9.24	100	162	85	49	101	157	14	9.62	5.14
12	2.87	5.64	7.56	96	150	84	43	76	123	14	9.05	5.14
13	2.62	4.51	7.02	65	126	94	47	62	79	14	8.86	5.47
14	2.50	3.81	7.20	49	109	97	39	55	75	13	8.86	5.14
15	2.25	3.53	7.56	45	97	99	33	50	65	13	8.67	4.91
16	2.25	3.53	8.67	59	107	148	32	47	55	12	8.48	4.65
17	2.12	6.13	7.74	56	102	162	31	43	49	12	8.29	4.65
18	2.00	13	6.66	67	97	143	79	41	43	12	8.29	5.47
19	2.00	12	5.80	83	93	130	138	53	39	12	8.10	7.20
20	1.91	10	6.13	85	80	110	162	121	35	11	7.74	7.38
21	2.25	9.43	6.48	110	90	111	137	89	33	11	7.38	6.48
22	3.00	8.48	6.84	91	87	100	94	63	31	11	7.02	6.30
23	4.65	8.10	7.38	78	81	98	80	51	30	11	6.84	5.31
24	3.81	8.29	7.56	82	79	92	92	43	27	10	6.84	5.64
25	3.12	7.56	7.02	69	74	83	102	38	25	9.81	6.48	7.02
26	2.87	7.02	7.56	64	67	74	79	33	25	9.81	6.30	10.
27	3.25	6.48	7.74	64	61	65	73	31	23	9.62	6.30	8.86
28	3.00	7.20	9.05	98	57	59	62	29	22	9.43	6.30	7.20
29	4.98	12	12	149	73	54	56	29	21	9.43	6.13	5.97
30	22	13	12	115	67	52	53	42	21	9.24		5.80
31		15		130	68		60		20	9.24		5.64
Total	112.13	246.74	261.71	2,055.81	3,505	2,581	2,145	2,420	2,517	400.58	265.08	185.81
Mean	3.74	7.96	8.72	66.3	113	86.0	69.2	80.6	81.2	12.9	9.14	5.99
Max.	22	15	16	149	172	162	162	172	171	19	21	10
Min.	1.91	3.53	5.80	9.81	57	44	31	29	20	9.24	6.13	4.65
Runoff - mcm.	9.688	21.318	22.612	177.622	302.832	222.998	185.328	209.088	217.469	34.610	22.903	16.054

WATER YEAR 1935 : Max. 172 Min. 1.91 Mean 45.6 Annual Runoff 1,442.522 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 4	06.00	5.76	173				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1936
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (B.1)

Location: Lat. 13°-04'-28" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 6.802 m. (M.S.L.)

Bench Mark: B.M. - R.I.D. No. 021

Location:
Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954
Rated by Float:
Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

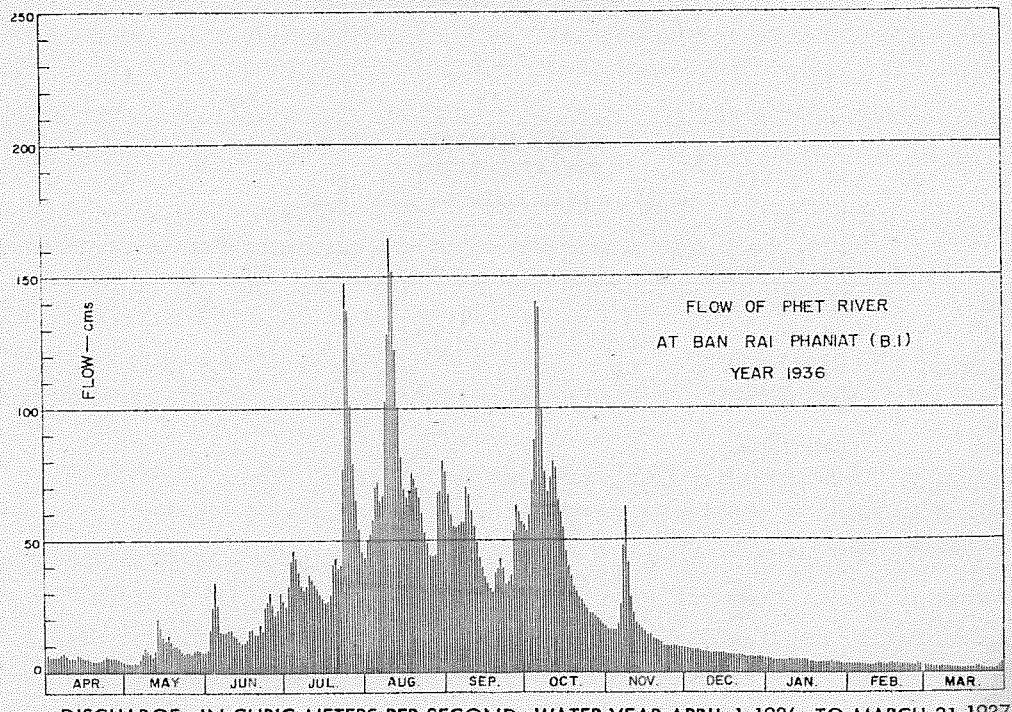
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.86	1.72	1.97	2.61	3.39	3.73	3.45	2.38	2.05	1.83	1.68	1.62
2	.84	.71	2.43	3.00	.44	.61	.54	.36	.04	.82	.67	.60
3	.83	.70	.76	.21	.55	.47	.91	.38	.03	.81	.66	.59
4	.86	.70	.96	.28	.87	.51	4.05	.38	.03	.80	.66	.58
5	.84	.70	.55	.18	.91	.52	5.21	2.45	.02	.79	.65	.57
6	1.91	1.82	2.33	3.01	3.68	3.56	5.18	2.46	2.00	1.78	1.65	1.56
7	.95	.98	.34	2.90	.62	.56	4.29	3.16	1.99	.76	.64	.56
8	.89	2.05	.30	.86	4.46	.87	3.94	.70	.98	.77	.64	.55
9	.82	1.98	.35	.92	.86	.81	.79	.11	.97	.79	.64	.54
10	.83	.91	.35	3.04	5.62	.61	.90	2.71	.96	.79	.64	.54
11	1.82	1.87	2.29	2.98	5.42	3.44	4.09	2.54	1.96	1.78	1.64	1.53
12	.92	2.00	.22	.92	4.72	.30	.02	.44	.95	.81	.69	.52
13	.89	.51	.17	.87	.28	.18	3.70	.39	.95	.81	.67	.52
14	.84	.31	.13	.81	.05	.10	.63	.36	.94	.79	.65	.52
15	.83	.22	.14	.74	3.86	.00	.44	.33	.94	.77	.66	.52
16	1.84	2.20	2.18	2.71	3.75	2.92	3.21	2.28	1.93	1.76	1.68	1.51
17	.80	.27	.35	.73	.82	.87	3.10	.26	.93	.75	.69	.51
18	.78	.15	.35	.80	.97	.83	2.99	.23	.92	.74	.67	.50
19	.76	.09	.27	3.16	.90	3.11	.89	.21	.91	.73	.69	.51
20	.76	.08	.26	.20	3.85	.37	.82	.19	.91	.73	.67	.53
21	1.79	2.04	2.42	3.06	3.76	3.20	2.76	2.16	1.90	1.72	1.66	1.52
22	.86	1.97	.27	.18	.55	.06	.72	.12	.89	.72	.64	.51
23	.91	.93	.68	4.19	.42	2.88	.67	.12	.88	.73	.64	.49
24	.83	.94	.76	5.33	.32	3.00	.62	.12	.87	.72	.63	.48
25	.84	.98	.83	.03	.24	.06	.58	.11	.86	.71	.63	.47
26	1.82	1.91	2.65	4.39	3.23	3.53	2.56	2.10	1.86	1.70	1.62	1.47
27	.86	2.00	.54	3.94	.24	.71	.52	.09	.85	.70	.68	.46
28	.79	.03	.63	.70	.82	.62	.49	.08	.85	.69	.66	.47
29	.76	1.99	.84	.46	.85	.55	.45	.07	.85	.69		.59
30	.74	.97	.71	.26	4.06	.52	.42	.06	.84	.68		.73
31		.95		.17	3.96		.41		.84	.68		.72
Mean	1.83	1.99	2.43	3.28	3.92	3.35	3.33	2.38	1.93	1.75	1.66	1.54
Max.	1.95	2.51	2.96	5.33	5.62	3.87	5.21	3.70	2.05	1.83	1.69	1.73
Min.	1.74	1.70	1.97	2.71	3.23	2.88	2.41	2.06	1.84	1.68	1.62	1.46

WATER YEAR 1936 : Max. 5.62 m. Min. 1.46 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.64	3.53	7.56	23	51	64	53	16	9.05	5.14	3.00	2.25
2	5.31	3.39	18	35	53	59	57	16	8.86	4.28	2.87	2.00
3	5.14	3.25	28	43	57	54	72	16	8.67	4.81	2.75	1.91
4	5.64	3.25	34	46	70	55	79	16	8.67	4.65	2.75	1.82
5	5.31	3.25	21	42	72	56	140	18	8.48	4.51	2.62	1.71
6	6.48	4.98	15	35	62	57	138	19	8.10	4.37	2.62	1.61
7	7.20	7.74	15	32	60	57	91	41	7.92	4.09	2.50	1.61
8	6.13	9.05	15	31	100	70	74	63	7.74	4.23	2.50	1.51
9	4.98	7.74	16	33	120	67	67	39	7.56	4.51	2.50	1.42
10	5.14	6.48	16	37	164	59	72	26	7.38	4.51	2.50	1.42
11	4.98	5.80	14	34	152	53	81	21	7.38	4.37	2.50	1.32
12	6.66	8.10	13	33	113	47	78	18	7.20	4.81	3.12	1.22
13	6.13	20	12	31	91	42	63	17	7.20	4.81	2.87	1.22
14	5.31	15	11	29	79	39	60	16	7.02	4.51	2.62	1.22
15	5.14	13	11	27	70	35	53	15	7.02	4.23	2.75	1.22
16	5.31	12	12	26	65	33	43	14	6.84	4.09	3.00	1.13
17	4.65	14	16	27	68	31	39	14	6.84	3.95	3.12	1.13
18	4.37	11	16	29	75	30	35	13	6.66	3.81	2.87	1.03
19	4.09	9.81	14	41	72	39	32	12	6.48	3.67	3.12	1.13
20	4.09	9.62	14	43	69	40	30	12	6.48	3.67	2.87	1.32
21	4.51	8.86	18	37	65	43	28	11	6.30	3.53	2.75	1.22
22	5.64	7.56	14	42	57	37	27	10	6.13	3.53	2.50	1.13
23	6.48	6.84	25	86	52	31	25	10	5.97	3.67	2.50	0.96
24	5.14	7.02	28	147	48	35	24	10	5.80	3.53	2.37	0.90
25	5.31	7.74	30	130	45	37	22	10	5.64	3.39	2.37	0.83
26	4.98	6.48	24	96	44	56	22	10	5.64	3.25	2.25	0.83
27	5.64	8.10	21	74	45	63	21	9.81	5.47	3.25	3.00	0.77
28	4.51	8.67	24	63	68	60	20	9.62	5.47	3.12	2.75	0.83
29	4.09	7.92	30	53	69	57	18	9.43	5.47	3.12		1.91
30	3.81	7.56	26	45	80	56	18	9.24	5.31	3.00		3.67
31		7.20		42	75		17		5.31	3.00		3.53
Total	157.81	254.94	558.56	1,492	2,311	1,462	1,599	521.20	214.06	123.41	75.94	45.78
Mean	5.26	8.22	18.6	48.1	74.5	48.7	51.6	17.4	6.90	3.98	2.71	1.48
Max.	7.20	20	34	147	164	70	140	63	9.05	5.14	3.12	3.67
Min.	3.81	3.25	7.56	23	44	30	17	9.24	5.31	3.00	2.25	0.77
Runoff - MCM.	13.635	22.027	48.259	128.929	199.670	126.317	138.154	45.032	18.495	10.663	6.561	3.955

WATER YEAR 1936 : Max. 164 Min. 0.77 Mean 24.1 Annual Runoff 761.676 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 10	18.00	5.69	168				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1937
PHET RIVER BASIN

Phet River at Ban Rai Phaniat, Phetchaburi (8.1)

Location: Lat. 13°-04'-26" N., Long. 99°-56'-37" E., on left bank about 300 meters downstream from Khlong Thamon, Tambon Ban Rai Phaniat, A. Muang, Phetchaburi.

Drainage Area: 4,188 sq.km.

Type of Gage: Staff gage

Zero Gage on top at: + 6.802 m. (M.S.L.)

Bench Mark: B.M.-R.I.D. No.021

Location:

Elevation: + 5.677 m. (M.S.L.)

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: 1915-1960

Rating Operation:

Period of Rating: 1954

Rated by Float:

Rated by Current Meter: 1954 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

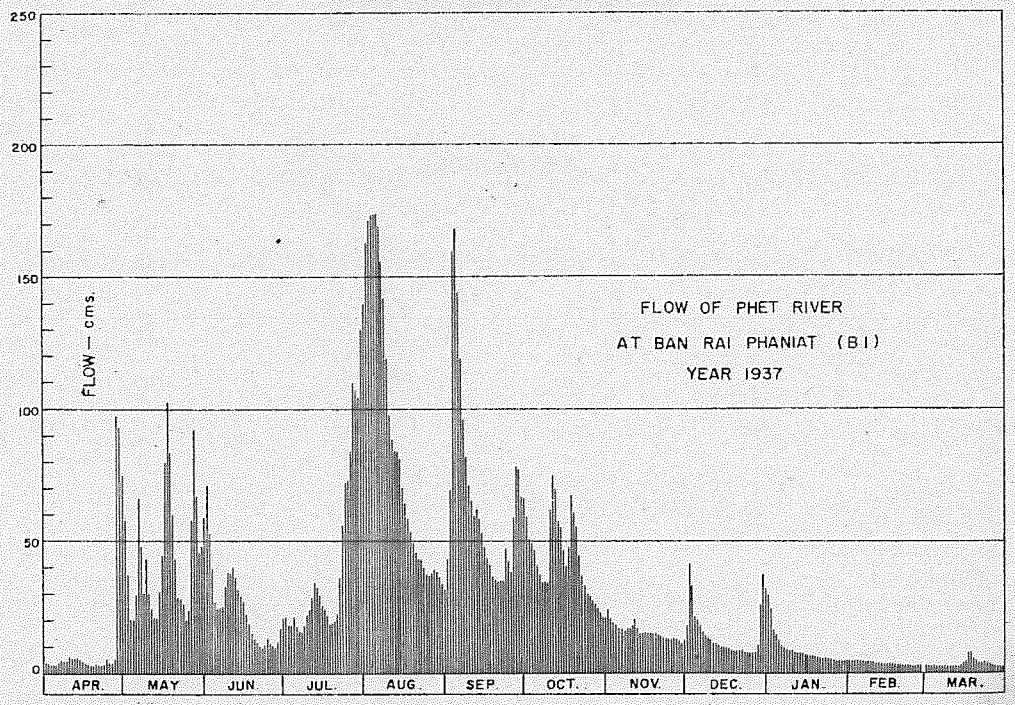
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1954 by Technical Division. No upstream state diversions except those built by local residents.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	1.74	3.54	3.88	2.54	5.62	3.19	3.61	2.62	2.41	2.80	1.80	1.65
2	.68	2.94	.41	.44	.75	.93	.41	.49	3.15	.58	.80	.65
3	.65	.46	.00	.42	.77	5.57	.35	.46	2.71	.38	.80	.64
4	.66	.49	2.75	.53	.77	.69	.28	.43	.50	.26	.81	.64
5	.66	.59	.62	.42	.77	.18	.16	.41	.49	.17	.81	.63
6	1.74	3.77	2.65	2.35	5.66	4.70	3.05	2.39	2.42	2.12	1.79	1.63
7	.81	.29	.66	.31	.37	.32	2.98	.37	.34	.07	.77	.63
8	.73	2.72	.93	.44	.03	.03	3.01	.39	.27	.04	.77	.62
9	.81	3.21	3.08	.53	4.56	3.84	.23	.39	.23	.01	.76	.61
10	.87	2.75	.07	.62	.29	.72	.74	.42	.19	2.00	.76	.61
11	1.81	2.59	3.12	2.68	4.19	3.61	3.97	2.51	2.16	1.97	1.75	1.61
12	.87	.50	2.94	.96	.15	.68	.84	.40	.14	.96	.75	.61
13	.88	.36	.86	.91	.15	.56	.50	.34	.11	.94	.74	.61
14	.80	.85	.80	.80	3.94	.42	.50	.31	.09	.94	.73	.67
15	.75	3.17	.69	.66	.77	3.31	.24	.34	.08	.92	.73	.75
16	1.71	4.04	2.57	2.62	3.70	3.20	3.10	2.30	2.07	1.91	1.74	1.69
17	.68	.51	.42	.52	.56	.12	.29	.30	.05	.90	.73	.99
18	.65	3.91	.30	.45	.44	.03	.79	.30	.04	.89	.71	.97
19	.63	.55	.22	.46	.34	.00	.59	.30	.03	.89	.70	.85
20	.69	.04	.15	.51	.25	2.98	.49	.28	.02	.88	.69	.77
21	1.67	2.77	2.11	2.60	3.19	2.99	3.19	2.26	2.01	1.87	1.68	1.73
22	.63	.78	.08	3.06	.19	.97	.03	.23	.00	.86	.68	.72
23	.65	.71	.15	.59	.09	3.29	2.92	.24	1.99	.86	.68	.76
24	.83	.51	.22	.90	.05	.14	.84	.25	.97	.85	.67	.72
25	.75	.46	.15	.93	.06	.03	.80	.22	.97	.84	.67	.69
26	1.72	3.56	2.12	4.17	3.08	3.35	2.74	2.22	1.96	1.82	1.67	1.67
27	.80	4.31	.08	.67	.11	4.03	.69	.20	.96	.82	.67	.64
28	4.40	3.69	.20	.59	.07	.00	.64	.18	2.09	.82	.66	.63
29	.30	.25	.41	.42	.03	3.81	.59	.15	.73	.81		.61
30	3.69	.30	.54	5.04	2.92	.78	.55	.19	3.04	.81		.61
31		.59		.22	.86		.54		2.81	.80		.62
Mean	1.97	3.14	2.61	3.11	4.03	4.16	3.18	2.33	2.26	1.99	1.73	1.68
Max.	4.40	4.51	3.88	5.22	5.77	5.69	3.97	2.62	3.15	2.80	1.81	1.99
Min.	1.63	2.46	2.08	2.31	2.86	2.97	2.54	2.15	1.96	1.80	1.66	1.61

WATER YEAR 1937 : Max. 5.77 m. Min. 1.61 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	3.81	57	71	21	164	43	59	24	17	29	4.65	2.62
2	3.00	33	51	18	172	73	51	20	41	22	4.65	2.62
3	2.62	19	35	18	173	161	49	19	26	16	4.65	2.50
4	2.75	20	27	21	173	168	46	18	20	14	4.81	2.50
5	2.75	23	24	18	173	138	41	17	20	12	4.81	2.37
6	3.81	66	24	16	167	112	37	17	18	10	4.51	2.37
7	4.81	47	25	15	147	93	34	16	15	9.43	4.23	2.37
8	3.81	27	33	18	130	78	35	17	14	8.86	4.23	2.25
9	4.81	43	38	21	105	69	44	17	13	8.29	4.09	2.12
10	5.80	27	38	24	91	64	65	18	12	8.10	4.09	2.12
11	4.81	23	40	25	86	59	75	20	11	7.56	3.95	2.12
12	5.80	20	33	34	84	62	69	17	11	7.38	3.95	2.12
13	5.97	16	31	32	84	57	55	15	10	7.02	3.81	2.12
14	4.65	30	29	29	74	52	55	15	9.81	7.02	3.67	2.87
15	3.95	42	26	25	66	47	45	15	9.62	6.66	3.67	3.95
16	3.39	79	22	24	63	43	39	15	9.43	6.48	3.81	3.12
17	3.00	102	18	21	57	40	47	15	9.05	6.30	3.67	7.92
18	2.62	72	15	18	53	36	67	15	8.86	6.13	3.39	7.56
19	2.37	57	13	19	49	35	59	15	8.67	6.13	3.25	5.47
20	3.12	37	11	20	45	34	55	14	8.48	5.97	3.12	4.23
21	2.87	28	10	23	43	35	43	14	8.29	5.80	3.00	3.67
22	2.37	28	9.62	37	43	34	36	13	8.10	5.64	3.00	3.53
23	2.62	26	11	59	39	47	33	13	7.92	5.64	3.00	4.09
24	5.14	20	13	72	37	41	30	13	7.56	5.47	2.87	3.53
25	3.95	19	11	73	37	36	29	13	7.56	5.31	2.87	3.12
26	3.67	58	10	85	38	49	27	13	7.38	4.98	2.87	2.87
27	4.65	92	9.62	110	39	78	26	12	7.38	4.98	2.87	2.50
28	97	62	12	106	38	77	24	12	9.81	4.98	2.75	2.37
29	92	45	17	98	36	67	23	11	27	4.81		2.12
30	62	47	21	130	33	66	21	12	37	4.81		2.12
31		59		140	31		21		29	4.65		2.25
Total	353.92	1,324	728.24	1,370	2,572	1,994	1,340	465	448.92	261.40	104.24	97.49
Mean	11.8	42.7	24.3	44.2	83.0	66.5	43.2	15.5	14.5	8.43	3.72	3.14
Max.	97	102	71	140	173	168	75	24	41	29	4.81	7.92
Min.	2.37	19	9.62	15	31	34	21	11	7.38	4.65	2.75	2.12
Runoff - MCM.	30.579	114.394	62.920	118.368	222.221	172.282	115.776	40.176	38.787	22.585	9.006	8.423

WATER YEAR 1937 : Max. 173 Min. 2.12 Mean 30.3 Annual Runoff 955.516 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 3	18.00	5.78	174				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1930
PHET RIVER BASIN

Phet River at Ban Tha Sik A.Tha Yang, Phetchaburi (8. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: –

Location: –

Elevation: –

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

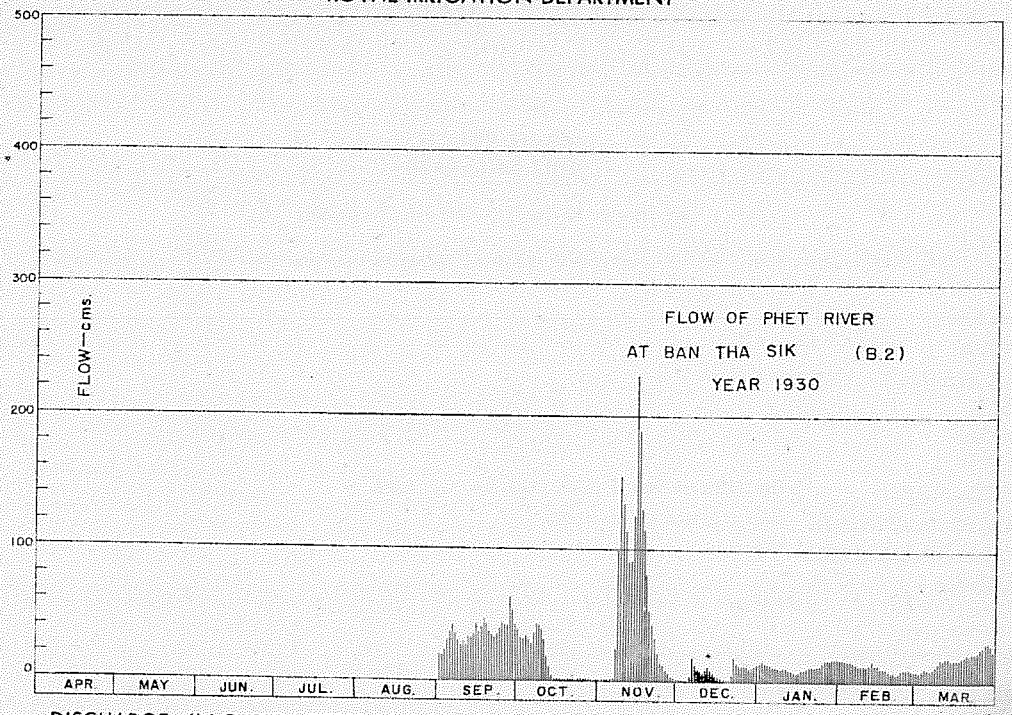
General Description: Records poor. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: Records begin September 1, 1930

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1						13.35	13.75	12.20	12.20	13.10	13.25	12.85
2						.35	.65	.10	.05	.20	.25	.90
3						.40	.65	.05	11.80	.15	.20	.95
4						.65	.70	.00	12.00	.05	.20	13.00
5						.80	.60	.25	.25	.05	.20	12.95
6						13.90	13.55	12.50	13.30	13.00	13.15	12.90
7						.75	.75	.90	.10	.00	.10	13.00
8						.60	.95	14.85	12.90	12.95	.05	.05
9						.50	.90	15.60	.85	.95	.05	.20
10						.60	.75	.30	.75	13.00	.10	.25
11						13.50	13.50	15.05	12.90	12.95	13.10	13.25
12						.65	.10	14.80	13.65	.90	.10	.30
13						.65	12.85	.60	12.90	.85	.20	.30
14						.75	.50	15.25	.75	.80	.10	.25
15						.90	.25	16.40	.65	.80	.10	.25
16						13.75	12.10	15.95	12.50	12.85	13.00	13.25
17						.85	.20	.25	.40	.90	.00	.25
18						14.00	.10	.05	.30	.95	.00	.30
19						13.90	.05	14.30	.20	13.00	12.90	.35
20						.75	.10	.05	.20	.05	.80	.40
21						13.70	12.15	13.85	12.65	13.00	12.85	12.35
22						.65	.15	.60	13.30	.00	.75	.40
23						.75	.20	.40	.25	.05	.85	.45
24						.85	.15	.15	.30	.10	.95	.45
25						.95	.05	.00	.25	.15	.95	.50
26						13.90	12.05	12.90	13.30	13.20	12.95	13.55
27						.90	.10	.75	.30	.20	.95	.60
28						14.30	.15	.60	.25	.20	.90	.60
29						.05	.20	.45	.15	.20	.90	.55
30						13.90	.25	.35	.10	.25	–	.45
31						–	.20	–	.10	.25	–	.40
Mean						13.75	12.76	13.75	12.79	13.03	13.03	13.26
Max.						14.30	13.95	16.40	13.65	13.25	13.25	13.60
Min.						13.35	12.05	12.00	11.80	12.80	12.75	12.85

WATER YEAR 1930 : Max. m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1						19	35	0.50	0.50	12	16	7.00
2						19	31	0.25	0.12	15	16	8.00
3						21	31	0.12	0.00	13	15	9.00
4						31	33	0.00	0.00	11	15	10
5						37	29	0.62	0.62	11	15	9.00
6						41	27	1.50	18	10	13	8.00
7						35	35	8.00	12	10	12	10
8						29	43	96	8.00	9.00	11	11
9						25	41	154	7.00	9.00	11	15
10						29	35	128	5.00	10	12	16
11						25	25	110	8.00	9.00	12	16
12						31	12	93	31	8.00	12	18
13						31	7.00	80	8.00	7.00	15	18
14						35	1.50	124	5.00	6.00	12	16
15						41	0.62	230	3.25	6.00	12	16
16						35	0.25	185	1.50	7.00	10	16
17						39	0.50	124	1.00	8.00	10	16
18						46	0.25	110	0.75	9.00	10	18
19						41	0.12	62	0.50	10	8.00	19
20						35	0.25	48	0.50	11	6.00	21
21						33	0.37	39	3.25	10	7.00	19
22						31	0.37	29	18	10	5.00	21
23						35	0.50	21	16	11	7.00	23
24						39	0.37	13	18	12	9.00	23
25						43	0.12	10	16	13	9.00	25
26						41	0.12	8.00	18	15	9.00	27
27						41	0.25	5.00	18	15	9.00	29
28						62	0.37	2.50	16	15	8.00	29
29						48	0.50	1.25	13	15	8.00	27
30						41	0.62	0.87	12	16		23
31							0.50		12	16		21
Total						1,059	391.56	1,684.61	270.74	339.00	314.00	544.00
Mean						35.3	12.6	56.1	8.73	10.9	10.8	17.5
Max.						62	43	230	31	16	16	29
Min.						19	0.12	0.00	0.00	6.00	5.00	7.00
Runoff - MCM.						91.497	33.852	145.550	23.391	29.289	27.129	47.001

WATER YEAR 1930 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
PHET RIVER BASIN

Phet River at Ban Tha Sik A. Tha Yang, Phetchaburi (B.2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: -

Location: -

Elevation: -

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: 1930-48

Rated Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

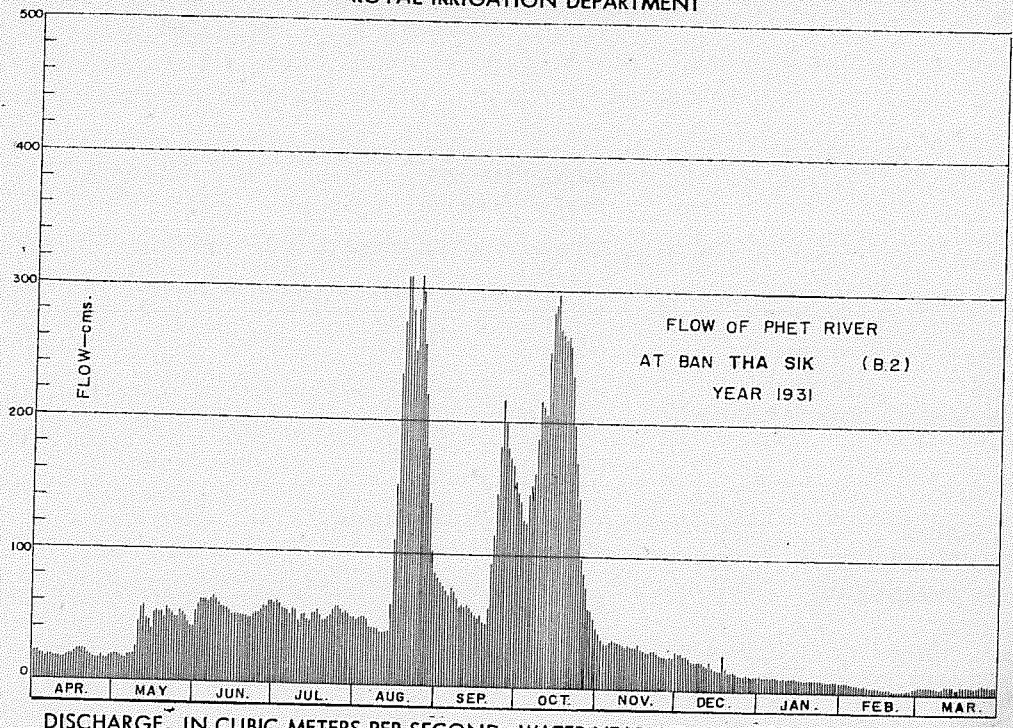
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	13.40	13.35	14.10	14.25	14.05	14.60	15.50	13.90	13.55	13.05	12.85	12.75
2	.40	.35	.25	.30	.10	.55	.40	.75	.55	.05	.90	.75
3	.30	.30	.30	.25	.10	.50	.20	.70	.50	.00	.85	.75
4	.30	.25	.30	.20	.10	.45	.25	.70	.50	.00	.85	.70
5	.25	.25	.30	.20	.05	.40	.50	.75	.45	.00	.80	.75
6	13.30	13.30	14.25	14.15	13.95	14.50	15.60	13.80	13.40	13.05	12.80	12.70
7	.30	.35	.30	.10	.95	.45	.70	.75	.40	.05	.85	.70
8	.25	.35	.35	.20	.95	.35	16.00	.75	.40	.00	.75	.70
9	.25	.50	.30	.20	.90	.25	.25	.75	.40	.00	.75	.70
10	.25	.90	.25	.00	.85	.30	.20	.70	.40	.00	.75	.75
11	13.25	14.20	14.20	14.10	13.85	14.25	16.15	13.65	13.35	12.95	12.70	12.80
12	.25	.20	.20	.15	.85	.30	.45	.70	.30	13.00	.70	.80
13	.30	.05	.20	.05	.85	.25	.90	.65	.40	.00	.70	.75
14	.30	.00	.15	.05	14.25	.20	.95	.65	.25	.05	.65	.75
15	.35	13.75	.10	.15	15.05	.15	17.05	.65	.25	12.95	.65	.70
16	13.40	14.10	14.10	14.15	15.50	14.10	16.75	13.70	13.20	12.95	12.60	12.70
17	.45	.15	.10	.20	16.50	.15	.75	.60	.20	.95	.60	.75
18	.45	.10	.10	.10	.85	.05	.70	.60	.55	.95	.65	.75
19	.45	.10	.10	.05	17.15	.05	.75	.55	.15	.95	.60	.75
20	.40	.00	.10	.05	.15	.25	.65	.55	.15	.95	.55	.75
21	13.35	14.20	14.05	14.10	16.90	14.90	16.50	13.60	13.15	12.95	12.50	12.75
22	.30	.15	.05	.15	.45	15.15	.00	.60	.15	.95	.50	.70
23	.25	.10	.10	.20	.85	.50	15.75	.55	.10	.95	.50	.75
24	.20	.05	.15	.25	17.15	.75	.35	.50	.05	.95	.50	.80
25	.20	.05	.15	.25	.05	16.25	14.70	.50	.05	.90	.55	.85
26	13.30	14.15	14.20	14.20	16.60	16.10	14.70	13.50	13.05	12.90	12.60	12.80
27	.25	.10	.25	.15	.25	15.85	.30	.45	.10	.90	.60	.80
28	.25	.05	.20	.20	15.70	.80	.25	.50	.05	.90	.65	.75
29	.30	13.95	.30	.15	.25	.75	.25	.50	.05	.90	.70	.80
30	.35	.90	.30	.10	14.70	.60	.10	.60	.05	.85	-	.80
31	-	.85	-	.10	.70	-	13.95	-	.05	.85	-	.80
Mean	13.31	13.84	14.19	14.15	15.21	14.75	15.72	13.63	13.26	12.96	12.67	12.75
Max.	13.45	14.20	14.35	14.30	17.15	16.25	17.05	13.90	13.55	13.05	12.90	12.85
Min.	13.20	13.25	14.05	14.00	13.85	14.05	13.95	13.45	13.05	12.85	12.50	12.70

WATER YEAR 1931 : Max. 17.15 m. Min. 12.50 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	21	19	51	59	48	80	145	41	27	11	7.00	5.00
2	21	19	59	62	51	77	136	35	27	11	8.00	5.00
3	18	18	62	59	51	74	121	33	25	10	7.00	5.00
4	18	16	62	56	51	71	124	33	25	10	7.00	4.00
5	16	16	62	56	48	68	145	35	23	10	6.00	5.00
6	18	18	59	53	43	74	154	37	21	11	6.00	4.00
7	18	19	62	51	43	71	163	35	21	11	7.00	4.00
8	16	19	65	56	43	65	190	35	21	10	5.00	4.00
9	16	25	62	56	41	59	215	35	21	10	5.00	4.00
10	16	41	59	46	39	62	210	33	21	10	5.00	5.00
11	16	56	56	51	39	59	205	31	19	9.00	4.00	6.00
12	16	56	56	53	39	62	235	33	18	10	4.00	6.00
13	18	48	56	48	39	59	280	31	21	10	4.00	5.00
14	18	46	53	48	59	56	285	31	16	11	3.25	5.00
15	18	35	51	53	110	53	296	31	16	9.00	3.25	4.00
16	21	51	51	53	145	51	265	33	15	9.00	2.50	4.00
17	23	53	51	56	240	53	265	29	15	9.00	2.50	5.00
18	23	51	51	51	275	48	260	29	27	9.00	3.25	5.00
19	23	51	51	48	308	48	265	27	13	9.00	2.50	5.00
20	21	46	51	48	308	59	255	27	13	9.00	2.00	5.00
21	19	56	48	51	280	100	240	29	13	9.00	1.50	5.00
22	18	53	48	53	239	117	190	29	13	9.00	1.50	4.00
23	16	51	51	56	275	145	167	27	12	9.00	1.50	5.00
24	15	48	53	59	308	167	132	25	11	9.00	1.50	6.00
25	15	48	53	59	296	215	86	25	11	8.00	2.00	7.00
26	18	53	56	56	250	200	86	25	11	8.00	2.50	6.00
27	16	51	59	53	215	176	62	23	12	8.00	2.50	6.00
28	16	48	56	56	163	172	59	25	11	8.00	3.25	5.00
29	18	43	62	53	124	167	59	25	11	8.00	4.00	6.00
30	19	41	62	51	86	154	51	29	11	7.00		6.00
31		39		51	86		43		11	7.00		6.00
Total	545	1,234	1,678	1,661	4,342	2,862	5,389	916	532	288	115	157
Mean	18.2	39.8	55.9	53.6	140	95.4	174	30.5	17.2	9.29	3.96	5.06
Max.	23	56	65	62	308	215	296	41	27	11	8.00	7.00
Min.	15	16	48	48	39	48	43	23	11	7.00	1.50	4.00
Runoff - mcm.	47.088	106.617	144.979	143.510	375.148	247.276	465.609	79.142	45.964	24.883	9.936	13.564

WATER YEAR 1931 : Max. 308 Min. 1.50 Mean 54.1 Annual Runoff 1,707.609 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 24	06.00	17.15	308				

WATER YEAR 1932
PHET RIVER BASIN

Phet River at Ban Tha Sik A. Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: Referred to Mean Sea Level

Bench Mark: -

Location: -

Elevation: -

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

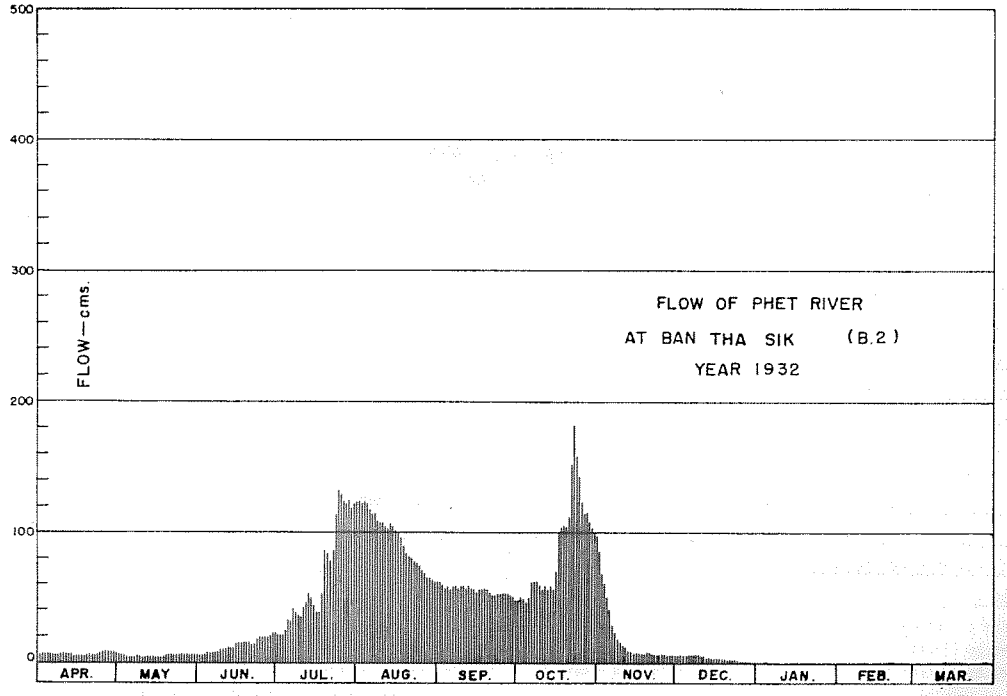
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	12.75	12.80	12.75	13.40	15.25	14.30	14.05	14.60	12.80	12.35	12.30	12.25
2	.80	.75	.75	.40	.20	.25	.10	.40	.85	.35	.30	.25
3	.80	.75	.80	.40	.25	.20	.05	.20	.80	.35	.30	.20
4	.80	.70	.85	.50	.20	.25	.00	.00	.80	.40	.30	.20
5	.80	.65	.85	.70	.15	.20	.10	13.80	.85	.35	.30	.20
6	12.75	12.65	12.85	13.65	15.10	14.25	14.30	13.55	12.80	12.35	12.25	12.20
7	.75	.70	.90	.90	.10	.25	.30	.45	.80	.40	.25	.20
8	.75	.70	.95	.80	.00	.20	.30	.30	.80	.35	.25	.25
9	.80	.70	13.00	.75	.00	.25	.25	.20	.80	.30	.30	.25
10	.80	.65	.00	.75	.00	.25	.20	.15	.75	.30	.30	.25
11	12.80	12.65	13.00	13.95	14.95	14.20	14.25	13.00	12.75	12.30	12.30	12.20
12	.80	.65	.05	14.00	.95	.25	.20	12.95	.70	.30	.30	.20
13	.75	.70	.05	.15	15.00	.20	.25	.95	.70	.35	.25	.20
14	.70	.65	.05	.05	14.95	.20	.20	.90	.65	.30	.25	.20
15	.70	.65	.20	13.95	.90	.15	.25	.90	.65	.30	.30	.20
16	12.70	12.65	13.20	13.85	14.90	14.20	14.90	12.90	12.60	12.30	12.30	12.25
17	.70	.65	.20	.85	.85	.20	.95	.85	.60	.30	.30	.20
18	.70	.70	.20	14.10	.75	.20	15.00	.85	.65	.30	.30	.15
19	.75	.75	.20	.70	.65	.20	.05	.90	.65	.30	.30	.15
20	.80	.75	.20	.65	.60	.15	14.95	.85	.60	.30	.30	.20
21	12.75	12.75	13.15	14.55	14.60	14.10	15.50	12.85	12.55	12.30	12.25	12.20
22	.80	.75	.15	.50	.55	.10	.90	.80	.55	.25	.30	.15
23	.80	.75	.30	15.00	.55	.15	.70	.80	.55	.25	.30	.10
24	.85	.80	.35	.35	.50	.15	.50	.80	.50	.25	.30	.10
25	.85	.80	.35	.30	.45	.15	.25	.85	.45	.25	.30	.15
26	12.90	12.80	13.35	15.25	14.40	14.15	15.10	12.85	12.45	12.25	12.30	12.15
27	.90	.75	.35	.20	.35	.15	.10	.80	.40	.25	.30	.10
28	.90	.75	.40	.25	.35	.10	.00	.80	.40	.25	.30	.10
29	.85	.75	.45	.15	.30	.10	14.95	.80	.35	.25	-	.10
30	.85	.75	.45	.20	.30	.00	.90	.80	.35	.25	-	.10
31	-	.75	-	.25	.35	-	.85	-	.35	.30	-	.10
Mean	12.78	12.71	13.11	14.30	14.78	14.18	14.67	13.16	12.62	12.30	12.28	12.17
Max.	12.90	12.80	13.45	15.35	15.25	14.30	15.90	14.60	12.85	12.40	12.30	12.25
Min.	12.70	12.65	12.75	13.40	14.30	14.00	14.00	12.80	12.35	12.25	12.25	12.10

WATER YEAR 1932 : Max. 15.90 m. Min. 12.10 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.00	6.00	5.00	21	124	62	48	80	6.00	0.87	0.75	0.62
2	6.00	5.00	5.00	21	121	59	51	68	7.00	0.87	0.75	0.62
3	6.00	5.00	6.00	21	124	56	48	56	6.00	0.87	0.75	0.50
4	6.00	4.00	7.00	25	121	59	46	46	6.00	1.00	0.75	0.50
5	6.00	3.25	7.00	33	117	56	51	37	7.00	0.87	0.75	0.50
6	5.00	3.25	7.00	31	114	59	62	27	6.00	0.87	0.62	0.50
7	5.00	4.00	8.00	41	114	59	62	23	6.00	1.00	0.62	0.50
8	5.00	4.00	9.00	37	107	56	62	18	6.00	0.87	0.62	0.62
9	6.00	4.00	10	35	107	59	59	15	6.00	0.75	0.75	0.62
10	6.00	3.25	10	35	107	59	56	13	5.00	0.75	0.75	0.62
11	6.00	3.25	10	43	103	56	59	10	5.00	0.75	0.75	0.50
12	6.00	3.25	11	46	103	59	56	9.00	4.00	0.75	0.75	0.50
13	5.00	4.00	11	53	107	56	59	9.00	4.00	0.87	0.62	0.50
14	4.00	3.25	11	48	103	56	56	8.00	3.25	0.75	0.62	0.50
15	4.00	3.25	15	43	100	53	59	8.00	3.25	0.75	0.75	0.50
16	4.00	3.25	15	39	100	56	100	8.00	2.50	0.75	0.75	0.62
17	4.00	3.25	15	39	96	56	103	7.00	2.50	0.75	0.75	0.50
18	4.00	4.00	15	51	89	56	107	7.00	3.25	0.75	0.75	0.37
19	5.00	5.00	15	86	83	56	110	8.00	3.25	0.75	0.75	0.37
20	6.00	5.00	15	83	80	53	103	7.00	2.50	0.75	0.75	0.50
21	5.00	5.00	13	77	80	51	145	7.00	2.00	0.75	0.62	0.50
22	6.00	5.00	13	74	77	51	181	6.00	2.00	0.62	0.75	0.37
23	6.00	5.00	18	107	77	53	163	6.00	2.00	0.62	0.75	0.25
24	7.00	6.00	19	132	74	53	145	6.00	1.50	0.62	0.75	0.25
25	7.00	6.00	19	128	71	53	124	7.00	1.25	0.62	0.75	0.37
26	8.00	6.00	19	124	68	53	114	7.00	1.25	0.62	0.75	0.37
27	8.00	5.00	19	121	65	53	114	6.00	1.00	0.62	0.75	0.25
28	8.00	5.00	21	124	65	51	107	6.00	1.00	0.62	0.75	0.25
29	7.00	5.00	23	117	62	51	103	6.00	0.87	0.62		0.25
30	7.00	5.00	23	121	62	46	100	6.00	0.87	0.62		0.25
31		5.00		124	62		96		0.87	0.75		0.25
Total	173	137.25	394	2,080	2,883	1,656	2,749	527	109.11	23.42	20.22	13.82
Mean	5.76	4.42	13.1	67.1	93.0	55.2	88.7	17.6	3.52	0.75	0.72	0.44
Max.	8.00	6.00	23	132	124	62	181	80	7.00	1.00	0.75	0.62
Min.	4.00	3.25	5.00	21	62	46	46.	6.00	0.87	0.62	0.62	0.25
Runoff - MCM.	14.947	11.858	34.041	179.712	249.091	143.078	237.514	45.532	9.427	2.023	1.747	1.194

WATER YEAR 1932 : Max. 181 Min. 0.25 Mean 29.5 Annual Runoff 930.167 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 22	06.00	15.90	181				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1933
PHET RIVER BASIN

Phet River at Ban Tha Sik A. Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: –

Location: –

Elevation: –

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

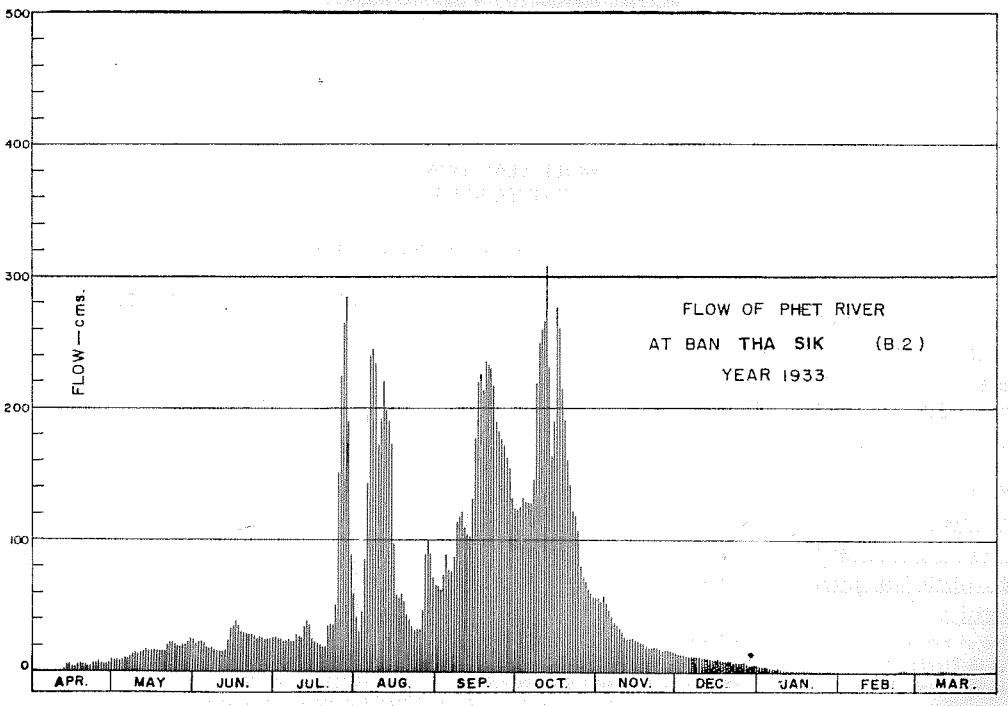
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	12.10	12.95	13.40	13.55	13.80	14.35	15.20	14.20	13.15	12.70	11.95	12.25
2	.15	.95	.45	.50	.60	.30	.25	.15	.15	.70	.90	.20
3	.10	.95	.45	.50	14.10	.50	.35	.20	.15	.70	.90	.20
4	.15	.95	.40	.45	.75	.75	.30	.05	.10	.65	.90	.20
5	.15	13.10	.30	.45	15.50	.55	.30	.00	.10	.60	.85	.20
6	12.20	13.00	13.30	13.50	16.50	14.55	15.20	13.90	13.10	12.55	11.85	12.20
7	.35	.10	.35	.45	.55	.65	.50	.80	.05	.55	.85	.15
8	.35	.15	.25	.45	.40	15.10	16.20	.75	.05	.55	.90	.15
9	.30	.20	.25	.60	15.75	.15	.55	.65	.05	.50	.80	.15
10	.30	.15	.20	.55	16.05	.20	.70	.60	.00	.45	.80	.10
11	12.35	13.20	13.20	13.50	16.30	15.00	16.75	13.55	13.00	12.40	11.80	12.05
12	.40	.25	.25	.75	.05	14.95	17.15	.50	.00	.40	.80	.05
13	.80	.30	.40	.85	.00	.95	16.00	.50	.00	.40	.80	.05
14	.80	.25	.70	.75	15.75	15.35	15.65	.50	12.95	.40	.80	.05
15	.70	.20	.75	.45	14.70	.90	16.00	.45	.95	.35	.75	.05
16	12.70	13.30	13.85	13.45	14.25	16.30	16.85	13.45	13.00	12.35	11.75	12.00
17	.80	.25	.75	.40	.20	.35	.50	.40	12.90	.30	.75	.00
18	.85	.20	.65	.40	.25	.20	.15	.40	.90	.30	.75	.00
19	.80	.25	.60	.35	.10	.45	15.90	.35	.90	.25	.75	.00
20	.75	.20	.60	.35	13.95	.40	.65	.30	.90	.25	.70	.00
21	12.70	13.40	13.60	13.75	13.85	16.40	15.40	13.35	12.85	12.20	11.70	11.90
22	.75	.45	.60	.80	.75	.20	.15	.35	.85	.20	.70	.95
23	.85	.45	.55	.75	.65	15.95	.15	.30	.85	.15	12.15	.95
24	.85	.40	.50	14.20	.70	.90	14.95	.25	.85	.15	.35	.90
25	.85	.35	.55	15.50	.65	.80	.60	.25	.85	.15	.40	.90
26	12.85	13.35	13.50	16.45	14.15	15.80	14.45	13.25	12.85	12.10	12.25	11.90
27	.80	.40	.45	.75	.75	.65	.40	.25	.80	.10	.25	.90
28	.80	.40	.50	.95	.90	.60	.30	.25	.75	.10	.25	.85
29	.85	.45	.50	15.25	.70	.25	.25	.20	.75	.05	–	.80
30	13.00	.50	.50	14.55	.35	.25	.20	.20	.75	.00	–	.85
31	–	.50	–	.05	.35	–	.20	–	.75	.00	–	.85
Mean	12.58	13.24	13.47	14.04	14.78	15.42	15.49	13.54	12.95	12.34	11.90	12.02
Max.	13.00	13.50	13.85	16.95	16.55	16.45	17.15	14.20	13.15	12.70	12.40	12.25
Min.	12.10	12.95	13.20	13.35	13.60	14.30	14.20	13.20	12.75	12.00	11.70	11.80

WATER YEAR 1933 : Max. 17.15 m. Min. 11.70 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.25	9.00	21	27	37	65	121	56	13	4.00	0.00	0.62
2	0.37	9.00	23	25	29	62	124	53	13	4.00		0.50
3	0.25	9.00	23	25	51	74	132	56	13	4.00		0.50
4	0.37	9.00	21	23	89	89	128	48	12	3.25		0.50
5	0.37	12	18	23	145	77	128	46	12	2.50		0.50
6	0.50	10	18	25	240	77	121	41	12	2.00		0.50
7	0.87	12	19	23	245	83	145	37	11	2.00		0.37
8	0.87	13	16	23	230	114	210	35	11	2.00		0.37
9	0.75	15	16	29	167	117	245	31	11	1.50		0.37
10	0.75	13	15	27	195	121	260	29	10	1.25		0.25
11	0.87	15	15	25	220	107	265	27	10	1.00		0.12
12	1.00	16	16	35	195	103	308	25	10	1.00		0.12
13	6.00	18	24	39	190	103	190	25	10	1.00		0.12
14	6.00	16	33	35	167	132	158	25	9.00	1.00		0.12
15	4.00	15	35	23	86	181	190	23	9.00	0.87		0.12
16	4.00	18	39	23	59	220	275	23	10	0.87		0.00
17	6.00	16	35	21	56	225	240	21	8.00	0.75		
18	7.00	15	31	21	59	210	205	21	8.00	0.75		
19	6.00	16	29	19	51	235	181	19	8.00	0.62		
20	5.00	15	29	19	43	230	158	18	8.00	0.62		
21	4.00	21	29	35	39	230	136	19	7.00	0.50		
22	5.00	23	29	37	35	210	117	19	7.00	0.50	0.00	
23	7.00	23	27	35	31	185	117	18	7.00	0.37	0.37	
24	7.00	21	25	56	33	181	103	16	7.00	0.37	0.87	
25	7.00	19	27	145	31	172	80	16	7.00	0.37	1.00	
26	7.00	19	25	235	53	172	71	16	7.00	0.25	0.62	
27	6.00	21	23	265	89	158	68	16	6.00	0.25	0.62	
28	6.00	21	25	285	100	154	62	16	5.00	0.25	0.62	
29	7.00	23	25	124	86	124	59	15	5.00	0.12		
30	10	25	25	77	65	124	56	15	5.00	0.00		
31		25		48	65		56		5.00	0.00		0.00
Total	117.22	512	733	1,852	3,181	4,335	4,709	825	276	37.96	4.10	5.08
Mean	3.91	16.5	24.4	59.7	103	144	152	27.5	8.90	1.22	0.15	0.16
Max.	10	25	39	285	245	235	308	56	13	4.00	1.00	0.62
Min.	0.25	9.00	15	19	29	62	56	15	5.00	0.00	0.00	0.00
Runoff - mcm.	10.127	44.236	63.331	160.012	274.838	374.544	406.857	71.280	23.846	3.279	0.354	0.438

WATER YEAR 1933 : Max. 308 Min. 0.00 Mean 45.4 Annual Runoff 1,433.148 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 12	06.00	17.15	308				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1934
PHET RIVER BASIN

Phet River at Ban Tha Sik, A. Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: -

Location: -

Elevation: -

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

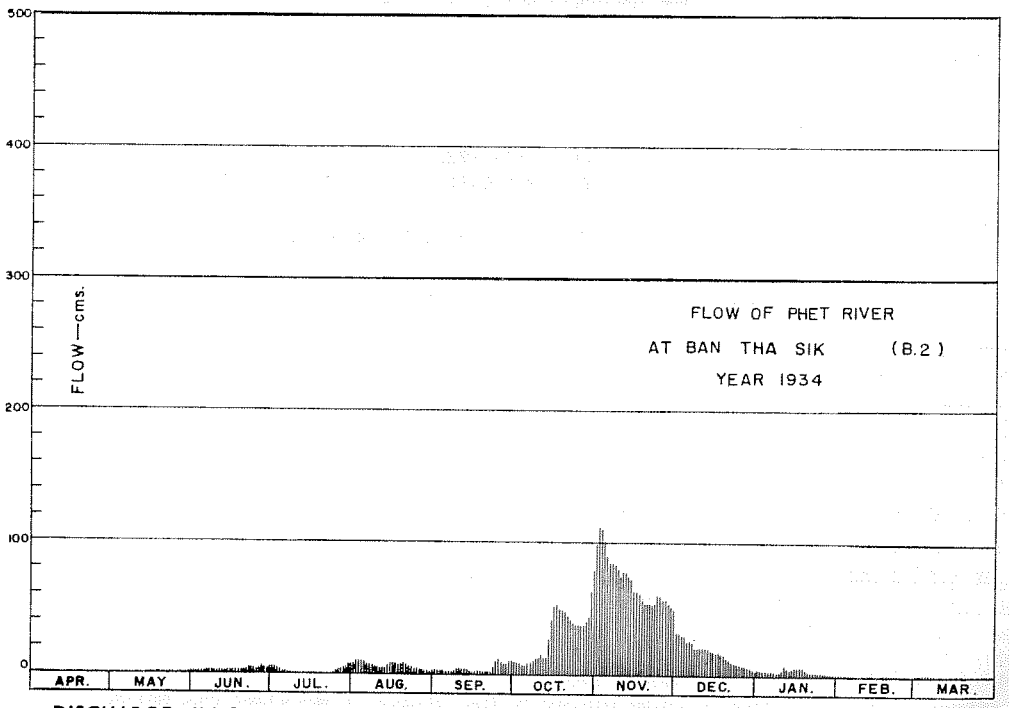
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	11.85	11.65	12.50	12.80	12.90	12.65	12.95	14.90	13.65	12.65	12.20	12.00
2	.85	.75	.50	.75	.90	.60	.90	15.05	.65	.65	.15	.10
3	.80	.85	.45	.70	13.00	.60	.90	.05	.60	.60	.15	.15
4	.80	.80	.50	.65	.00	.60	.85	14.90	.60	.65	.10	.15
5	.80	.85	.50	.60	12.95	.60	.85	.75	.50	.60	.05	.10
6	11.75	11.85	12.55	12.55	12.90	12.55	12.90	14.65	13.50	12.60	12.05	12.05
7	.75	.85	.55	.50	.85	.50	.95	.65	.50	.55	.10	.00
8	.75	.90	.55	.45	.85	.55	13.00	.65	.40	.50	.10	11.95
9	.75	.90	.50	.40	.80	.65	.05	.60	.35	.55	.05	.95
10	.75	.90	.50	.35	.75	.75	.10	.50	.35	.60	.00	12.00
11	11.75	11.95	12.55	12.25	12.75	12.75	13.20	14.55	13.40	12.85	12.00	11.95
12	.70	.95	.55	.25	.75	.65	.10	.55	.40	.75	.10	.90
13	.70	12.00	.50	.30	.75	.60	.05	.50	.35	.70	.25	.90
14	.65	.00	.60	.30	.85	.55	.30	.45	.30	.75	.25	.85
15	.65	.00	.60	.25	.90	.50	.80	.30	.30	.75	.25	.85
16	11.60	12.05	12.55	12.15	12.95	12.50	14.10	14.30	13.25	12.75	12.20	11.85
17	.65	.05	.55	.10	.90	.60	.15	.30	.25	.75	.15	.95
18	.65	.10	.55	.20	.85	.60	.05	.20	.20	.75	.10	12.00
19	.65	.10	.60	.35	.85	.55	.05	.15	.20	.50	.10	.05
20	.60	.15	.65	.30	.90	.45	.05	.15	.10	.55	.05	.00
21	11.60	12.10	12.65	12.25	12.85	12.40	13.95	14.15	13.05	12.55	12.00	12.05
22	.60	.10	.75	.25	.80	.50	.90	.10	.00	.50	.00	.00
23	.65	.05	.70	.35	.75	.75	.80	.20	12.95	.50	.05	11.95
24	.65	.05	.70	.50	.70	13.05	.80	.25	.90	.45	.05	.90
25	.55	.05	.65	.60	.70	.10	.80	.25	.85	.45	.00	.90
26	11.60	12.15	12.70	12.65	12.65	13.00	13.90	14.20	12.85	12.45	11.95	11.90
27	.70	.20	.75	.70	.65	12.90	.90	.20	.80	.40	.90	.85
28	.65	.15	.75	.75	.60	.90	.85	.15	.75	.35	.90	.80
29	.65	.15	.70	.75	.60	13.00	.90	.10	.75	.30	-	.85
30	.65	.15	.80	.90	.55	.00	14.30	.05	.70	.30	-	.90
31	-	.50	-	.85	.60	-	.55	-	.65	.25	-	.90
Mean	11.69	12.00	12.59	12.47	12.79	12.68	13.99	14.42	13.19	12.56	12.08	11.95
Max.	11.85	12.50	12.80	12.90	13.00	13.10	14.55	15.05	13.65	12.85	12.25	12.15
Min.	11.55	11.65	12.45	12.10	12.55	12.40	12.85	14.05	12.65	12.25	11.90	11.80

WATER YEAR 1934 : Max. 15.05 m. Min. 11.55 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.00	0.00	1.50	6.00	8.00	3.25	9.00	100	31	3.25	0.50	0.00
2	0.00	0.00	1.50	5.00	8.00	2.50	8.00	110	31	3.25	0.37	0.25
3	0.00	0.00	1.25	4.00	10	2.50	8.00	110	29	2.50	0.37	0.37
4	0.00	0.00	1.50	3.25	10	2.50	7.00	100	29	3.25	0.25	0.37
5	0.00	0.00	1.50	2.50	9.00	2.50	7.00	89	25	2.50	0.12	0.25
6	0.00	0.00	2.00	2.00	8.00	2.00	8.00	83	25	2.50	0.12	0.12
7	0.00	0.00	2.00	1.50	7.00	1.50	9.00	83	25	2.00	0.25	0.00
8	0.00	0.00	2.00	1.25	7.00	2.00	10	83	21	1.50	0.25	0.00
9	0.00	0.00	1.50	1.00	6.00	3.25	11	80	19	2.00	0.12	0.00
10	0.00	0.00	1.50	0.87	5.00	5.00	12	74	19	2.50	0.00	0.00
11	0.00	0.00	2.00	0.62	5.00	5.00	15	77	21	7.00	0.00	0.00
12	0.00	0.00	2.00	0.62	5.00	3.25	12	77	21	5.00	0.25	0.00
13	0.00	0.00	1.50	0.75	5.00	2.50	11	74	19	4.00	0.62	0.00
14	0.00	0.00	2.50	0.75	7.00	2.00	18	71	18	5.00	0.62	0.00
15	0.00	0.00	2.50	0.62	8.00	1.50	37	62	18	5.00	0.62	0.00
16	0.00	0.12	2.00	0.37	9.00	1.50	51	62	16	5.00	0.50	0.00
17	0.00	0.12	2.00	0.25	8.00	2.50	53	62	16	5.00	0.37	0.00
18	0.00	0.25	2.00	0.50	7.00	2.50	48	56	15	5.00	0.25	0.00
19	0.00	0.25	2.50	0.87	7.00	2.00	48	53	15	1.50	0.25	0.12
20	0.00	0.35	3.25	0.75	8.00	1.25	48	53	12	2.00	0.12	0.00
21	0.00	0.25	3.25	0.62	7.00	1.00	43	53	11	2.00	0.00	0.12
22	0.00	0.25	5.00	0.62	6.00	1.50	41	51	10	1.50	0.00	0.00
23	0.00	0.12	4.00	0.87	5.00	5.00	37	56	9.00	1.50	0.12	0.00
24	0.00	0.12	4.00	1.50	4.00	11	37	59	8.00	1.25	0.12	0.00
25	0.00	0.12	3.25	2.50	4.00	12	37	59	7.00	1.25	0.00	0.00
26	0.00	0.35	4.00	3.25	3.25	10	37	56	7.00	1.25	0.00	0.00
27	0.00	0.50	5.00	4.00	3.25	8.00	37	56	6.00	1.00	0.00	0.00
28	0.00	0.35	5.00	5.00	2.50	8.00	39	53	5.00	0.87	0.00	0.00
29	0.00	0.35	4.00	5.00	2.50	10	41	51	5.00	0.75		0.00
30	0.00	0.35	6.00	8.00	2.00	10	62	48	4.00	0.75		0.00
31		1.50		7.00	2.50		77		3.25	0.62		0.00
Total	0.00	5.35	82.00	71.83	189.00	127.50	918	2,101	500.25	82.49	6.19	1.60
Mean	0.00	0.17	2.73	2.31	6.09	4.25	29.6	70.0	16.1	2.66	0.22	0.05
Max.	0.00	1.50	6.00	8.00	10	12	77	110	31	7.00	0.62	0.37
Min.	0.00	0.00	1.25	0.25	2.00	1.00	7.00	48	3.25	0.62	0.00	0.00
Runoff - mcm.	0.000	0.462	7.084	6.206	16.329	11.016	79.315	181.526	43.221	7.127	0.534	0.138

WATER YEAR 1934 : Max. 110 Min. 0.00 Mean 11.2 Annual Runoff 352.962 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 2	06.00	15.05	110				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1935
PHET RIVER BASIN

Phet River at Ban Tha Sik, A. Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: -

Location: -

Elevation: -

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float:

Rated by Current Meter: 1937-38 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow

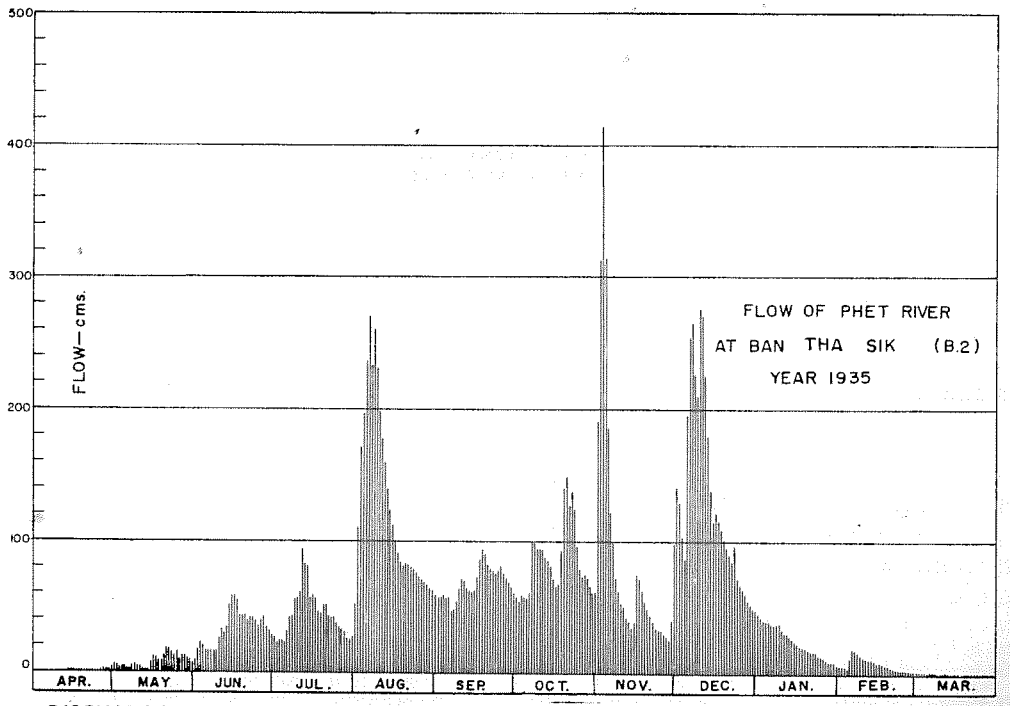
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	11.85	12.75	13.00	13.55	14.10	14.20	14.20	16.30	15.45	13.95	12.75	12.30
2	.90	.75	.35	.45	15.15	.20	.15	18.00	.25	.90	.75	.25
3	.85	.65	.45	.50	.75	.25	.25	17.50	14.80	.85	.70	.20
4	.80	.70	.35	.50	16.00	.20	.20	.05	.55	.85	.65	.15
5	.75	.70	.25	.45	.40	.05	.20	16.00	15.30	.80	13.10	.10
6	11.70	12.55	13.25	13.65	16.80	14.00	14.60	15.00	16.65	13.80	13.30	12.15
7	.75	.55	.25	.90	.40	.05	.90	14.75	.75	.75	.25	.10
8	.80	.75	.25	.90	.70	.10	.90	.45	.15	.80	.15	.05
9	.85	.80	.25	14.20	.40	.35	.80	.25	.20	.80	.15	.00
10	.80	.70	.50	.25	.05	.45	.80	.15	.85	.65	.10	.00
11	11.80	12.60	13.70	14.00	15.85	14.40	14.80	14.05	16.80	13.60	13.05	12.05
12	.90	.50	.60	.80	.60	.30	.70	13.85	.20	.60	.00	.05
13	12.05	.50	.70	.60	.30	.30	.65	.80	15.75	.55	.00	11.95
14	.20	.50	14.15	.60	.20	.25	.55	.70	.30	.50	12.95	12.00
15	.30	.90	.25	.15	.05	.30	.45	.85	.10	.45	.85	11.95
16	12.30	13.05	14.25	14.25	14.85	14.50	14.35	14.50	15.20	13.40	12.90	11.90
17	.25	.00	.20	.20	.70	.70	.35	.45	.10	.35	.85	.85
18	.20	12.90	13.95	.00	.65	.80	.60	.25	.00	.35	.75	.85
19	.25	.85	.95	13.95	.80	.75	15.45	.10	14.90	.30	.75	.95
20	.20	13.15	.95	14.10	.85	.60	.55	.00	.80	.25	.70	.95
21	12.20	13.30	13.85	14.10	14.60	14.55	15.20	13.90	14.75	13.20	12.65	11.85
22	.20	.25	.90	13.95	.60	.55	.40	.80	.65	.20	.60	.75
23	.10	.15	.90	.90	.55	.50	.25	.70	.85	.15	.60	.75
24	.10	.05	.85	.90	.50	.55	14.80	.65	.45	.10	.55	.70
25	.30	.20	.75	.80	.45	.60	.55	.70	.35	.05	.55	.90
26	12.50	12.90	13.85	13.70	14.40	14.50	14.45	13.60	14.30	13.00	12.50	11.85
27	.60	13.10	.95	.70	.40	.45	.50	.55	.25	12.95	.45	.75
28	.55	.10	.75	.65	.35	.40	.45	.50	.15	.90	.40	.80
29	.45	.00	.70	.50	.30	.35	.35	.65	.10	.85	.35	.75
30	.60	12.95	.60	.50	.30	.30	.25	14.75	.05	.85	-	.70
31	-	.75	-	.50	.25	-	.30	-	.00	.75	-	.60
Mean	12.10	12.85	13.69	13.90	15.13	14.38	14.64	14.05	15.66	13.40	12.80	11.94
Max.	12.60	13.30	14.25	14.80	16.80	14.80	15.55	18.00	16.85	13.95	13.30	12.30
Min.	11.70	12.50	13.00	13.45	14.10	14.00	14.15	13.50	14.00	12.75	12.35	11.60

WATER YEAR 1935 : Max. 18.00 m. Min. 11.60 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.00	5.00	10	27	51	56	56	220	140	43	5.00	0.75
2	0.00	5.00	19	23	117	56	53	412	124	41	5.00	0.62
3	0.00	3.25	23	25	167	59	59	350	93	39	4.00	0.50
4	0.00	4.00	19	25	190	56	56	296	77	39	3.25	0.37
5	0.00	4.00	16	23	230	56	56	190	128	37	12	0.25
6	0.00	2.00	16	31	270	46	56	107	255	37	18	0.37
7	0.00	2.00	16	41	230	48	100	89	265	35	16	0.25
8	0.00	5.00	16	41	260	51	100	71	205	37	13	0.12
9	0.00	6.00	16	56	230	65	93	59	210	37	13	0.00
10	0.00	4.00	25	59	195	71	93	53	275	31	12	0.00
11	0.00	2.50	33	46	176	68	93	48	270	29	11	0.12
12	0.00	1.50	29	93	154	62	86	39	210	29	10	0.12
13	0.12	1.50	33	80	128	62	83	37	167	27	10	0.00
14	0.50	1.50	53	80	121	59	77	33	128	25	9.00	0.00
15	0.75	8.00	59	53	110	62	71	39	114	23	7.00	0.00
16	0.75	11	59	59	96	74	65	74	121	21	8.00	0.00
17	0.62	10	56	56	86	86	65	71	114	19	7.00	0.00
18	0.50	8.00	43	46	83	93	80	59	107	19	5.00	0.00
19	0.62	7.00	43	43	80	89	140	51	100	18	5.00	0.00
20	0.50	13	43	51	83	80	149	46	93	16	4.00	0.00
21	0.50	18	39	51	80	77	121	41	89	15	3.25	0.00
22	0.50	16	41	43	80	77	136	37	83	15	2.50	0.00
23	0.25	13	41	41	77	74	124	33	96	15	2.50	0.00
24	0.25	11	39	41	74	77	93	31	71	12	2.00	0.00
25	0.75	15	35	37	71	80	77	33	65	11	2.00	0.00
26	1.50	8.00	39	33	68	74	71	29	62	10	1.50	0.00
27	2.50	12	43	33	68	71	74	27	59	9.00	1.25	0.00
28	2.00	12	35	31	65	68	71	25	53	8.00	1.00	0.00
29	1.25	10	33	25	62	65	65	31	51	7.00	0.87	0.00
30	2.50	9.00	29	25	62	62	59	89	48	7.00		0.00
31		5.00		25	59		62		46	5.00		0.00
Total	16.36	233	1,001	1,343	3,823	2,024	2,584	2,720	3,919	716	194.12	3.47
Mean	0.54	7.51	33.4	43.3	123	67.5	83.3	90.7	126	23.1	6.69	0.11
Max.	2.50	18	59	93.	270	93	149	412	275	43	18	0.75
Min.	0.00	1.50	10	23	51	46	53	25	46	5.00	0.87	0.00
Runoff - MCM.	1.413	20.131	86.486	116.035	330.307	174.873	223.257	235.008	338.601	61.862	16.771	0.299

WATER YEAR 1935 : Max. 412 Min. 0.00 Mean 50.9 Annual Runoff 1,605.484 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Nov. 2	06.00	18.00	412				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1936
PHET RIVER BASIN

Phet River at Ban Tha Sik, A. Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,060 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: -

Location: -

Elevation: -

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 5 readings.

Period of Available Gage Records: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float: -

Rated by Current Meter: 1937-38 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

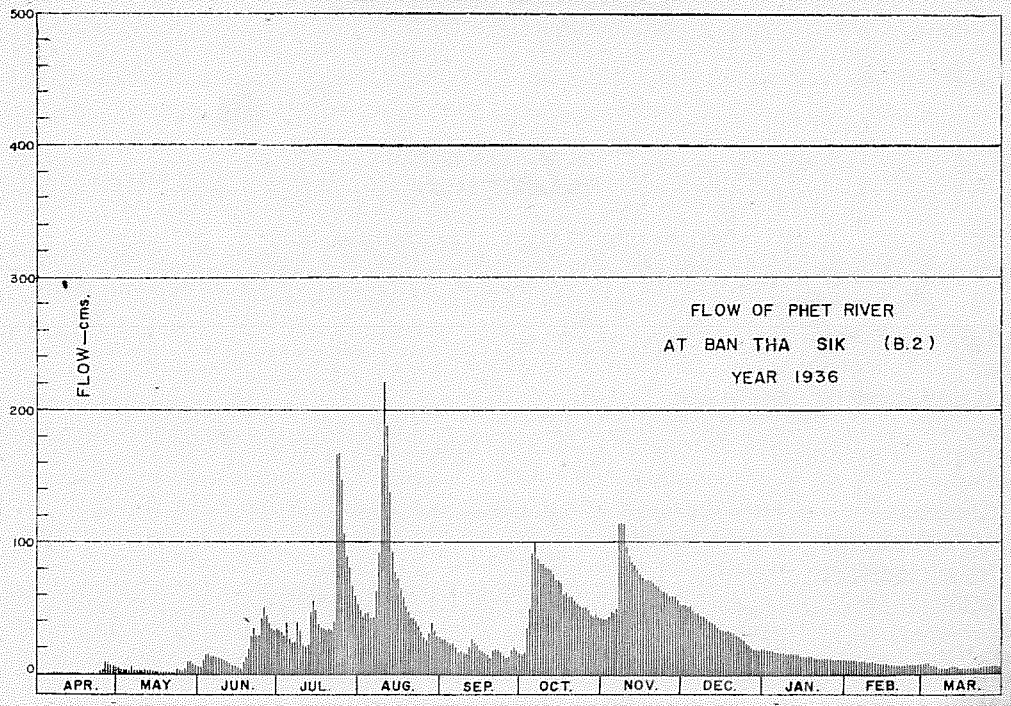
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversion except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	11.60	12.70	12.75	13.70	14.05	13.55	13.20	13.90	14.15	13.35	13.05	12.85
2	.70	.65	13.05	.65	13.95	.55	.20	.90	.10	.30	.05	.85
3	.70	.65	.25	.60	14.00	.50	.75	.95	.10	.30	.05	.85
4	.85	.65	.25	.85	.05	.45	.95	14.05	.10	.30	.05	.80
5	.85	.60	.15	.50	13.95	.45	14.80	.00	.05	.25	.05	.80
6	12.15	12.80	13.15	13.45	13.90	13.35	14.90	14.10	14.00	13.25	13.00	12.75
7	.30	.55	.10	.50	14.35	.25	.70	15.10	.00	.25	.00	.70
8	.25	.65	.10	.85	.50	.30	.65	.10	13.95	.25	.00	.70
9	.20	.60	.05	.65	15.75	.25	.65	14.90	.95	.25	12.95	.70
10	.20	.55	.00	.45	16.30	.25	.60	.80	.90	.20	.95	.70
11	12.15	12.65	12.95	13.40	15.85	13.45	14.60	14.70	13.85	13.20	12.95	12.75
12	.20	.65	.90	.30	.25	.55	.60	.65	.85	.20	.90	.75
13	.10	.60	.80	14.05	14.75	.50	.50	.60	.80	.20	.90	.75
14	.05	.55	.80	.20	.55	.40	.45	.55	.75	.20	.90	.70
15	.05	.55	.75	.00	.50	.35	.45	.50	.70	.15	.85	.70
16	12.05	12.50	12.70	13.85	14.40	13.30	14.40	14.45	13.70	13.15	12.85	12.70
17	.00	.50	.60	.75	.25	.25	.25	.45	.70	.15	.85	.70
18	11.95	.45	13.10	.75	.10	.20	.30	.45	.70	.15	.85	.70
19	12.05	.45	.20	.70	.00	.15	.25	.45	.65	.15	.85	.70
20	.00	.45	.60	.75	13.90	.35	.25	.40	.65	.10	.85	.70
21	12.00	12.45	12.75	13.70	13.95	13.35	14.20	14.40	13.60	13.10	12.85	12.70
22	.00	.45	.60	.70	.85	.30	.15	.35	.60	.10	.85	.70
23	11.90	.70	.50	15.75	.75	.25	.10	.30	.55	.10	.85	.75
24	12.65	.60	.85	.75	.65	.20	.10	.30	.50	.10	.85	.75
25	.60	.55	14.10	.00	.55	.15	.10	.25	.45	.10	.85	.75
26	12.95	12.75	13.95	14.75	13.50	13.15	14.05	14.25	13.40	13.10	12.85	12.75
27	.90	13.00	.85	.75	.70	.35	.00	.25	.35	.05	.85	.75
28	.80	12.90	.75	.55	.85	.40	13.95	.25	.35	.05	.85	.75
29	.80	.85	.70	.30	.70	.30	14.00	.20	.35	.05	-	.75
30	.75	.80	.75	.25	.60	.25	13.95	.15	.35	.05	-	.75
31	-	.80	-	.10	.55	-	.95	-	.35	.05	-	.75
Mean	12.19	12.63	13.13	14.01	14.22	13.33	14.22	14.39	13.72	13.16	12.91	12.74
Max.	12.95	12.90	14.10	15.75	16.30	13.55	14.90	15.10	14.15	13.35	13.05	12.85
Min.	11.60	12.45	12.60	13.30	13.55	13.15	13.20	13.90	13.35	13.05	12.85	12.70

WATER YEAR 1936 : Max. 16.30 m. Min. 11.60 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	0.00	4.00	5.00	33	48	27	15	41	53	19	11	7.00
2	0.00	3.25	11	31	43	27	15	41	51	18	11	7.00
3	0.00	3.25	16	29	46	25	35	43	51	18	11	7.00
4	0.00	3.25	16	39	48	23	43	48	51	18	11	6.00
5	0.00	2.50	13	25	43	23	93	46	48	16	11	6.00
6	0.37	6.00	13	23	41	19	100	51	46	16	10	5.00
7	0.75	2.00	12	25	65	16	86	114	46	16	10	4.00
8	0.62	3.25	12	39	74	18	83	114	43	16	10	4.00
9	0.50	2.50	11	31	167	16	83	100	43	16	9.00	4.00
10	0.50	2.00	10	23	220	16	80	93	41	15	9.00	4.00
11	0.37	3.25	9.00	21	176	23	80	86	39	15	9.00	5.00
12	0.50	3.25	8.00	18	124	27	80	83	39	15	8.00	5.00
13	0.25	2.50	6.00	48	89	25	74	80	37	15	8.00	5.00
14	0.12	2.00	6.00	56	77	21	71	77	35	15	8.00	4.00
15	0.12	2.00	5.00	46	74	19	71	74	33	13	7.00	4.00
16	0.12	1.50	4.00	39	68	18	68	71	33	13	7.00	4.00
17	0.00	1.50	2.50	35	59	16	59	71	33	13	7.00	4.00
18	0.00	1.25	12	35	51	15	62	71	33	13	7.00	4.00
19	0.12	1.25	15	33	46	13	59	71	31	13	7.00	4.00
20	0.00	1.25	29	35	41	19	59	68	31	12	7.00	4.00
21	0.00	1.25	35	33	43	19	56	68	29	12	7.00	4.00
22	0.00	1.25	29	33	39	18	53	65	29	12	7.00	4.00
23	0.00	4.00	25	167	35	16	51	62	27	12	7.00	5.00
24	3.25	2.50	39	167	31	15	51	62	25	12	7.00	5.00
25	2.50	2.00	51	107	27	13	51	59	23	12	7.00	5.00
26	9.00	5.00	43	89	25	13	48	59	21	12	7.00	5.00
27	8.00	10	39	89	33	19	46	59	19	11	7.00	5.00
28	6.00	8.00	35	77	39	21	43	59	19	11	7.00	5.00
29	6.00	7.00	33	62	33	18	46	56	19	11		5.00
30	5.00	6.00	35	59	29	16	43	53	19	11		5.00
31		6.00		51	27		43		19	11		5.00
Total	44.09	104.75	579.50	1,598	1,961	574	1,806	2,045	1,066	432	234	150
Mean	1.46	3.37	19.3	51.5	63.2	19.1	58.2	68.2	34.4	13.9	8.36	4.83
Max.	9.00	8.00	51	167	220	27	100	114	53	19	11	7.00
Min.	0.00	1.25	2.50	18	27	13	15	41	19	11	7.00	4.00
Runoff - mcm.	3.809	9.050	50.068	138.067	169.430	49.595	156.038	176.688	92.102	37.324	50.217	12.960

WATER YEAR 1936 : Max. 220 Min. 0.00 Mean 29.0 Annual Runoff 915.350 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 10	06.00	16.30	220				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1937
PHET RIVER BASIN

Phet River at Ban Tha Sik, A.Tha Yang, Phetchaburi (B. 2)

Location: Lat. 12°-54'-44" N., Long. 99°-51'-31" E., on left bank about 100 meters downstream from Phet Barrage, Ban Tha Sik, A. Tha Yang, Phetchaburi.

Drainage Area: 4,050 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: referred to Mean Sea Level

Bench Mark: –

Location: –

Elevation: –

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: 1930-48

Rating Operation:

Period of Rating: 1937-38

Rated by Float: –

Rated by Current Meter: 1937-38 by Technical Division.

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

General Description: Records fair, stage-discharge relation used is defined by discharge measurements made during 1937-38 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

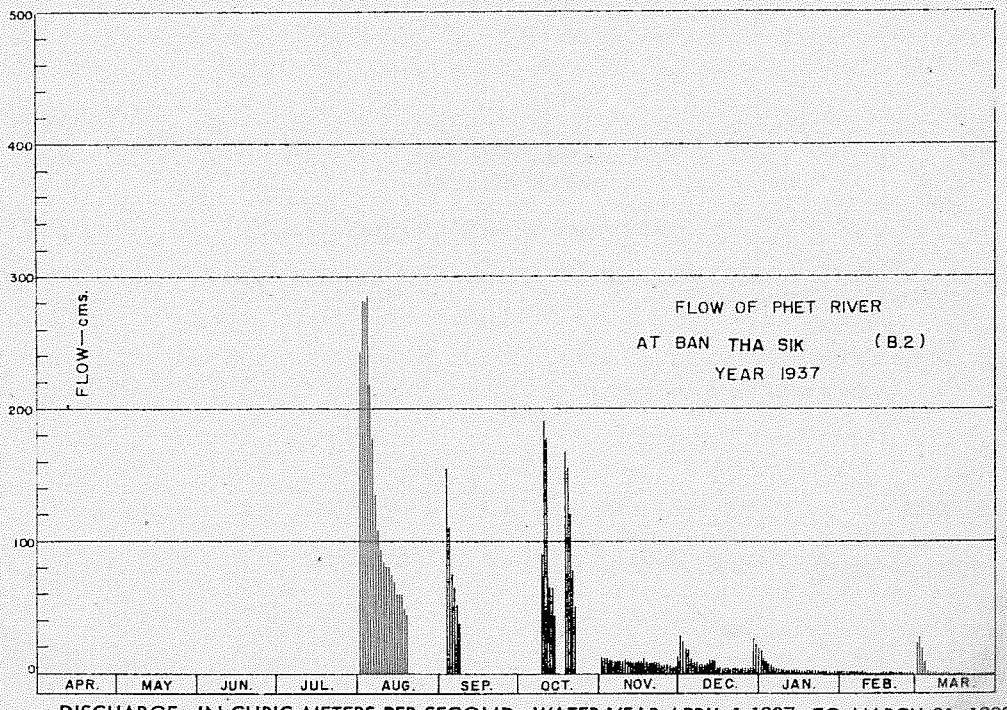
Remark: No records for many periods.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					16.40			13.05	13.60	13.25	12.40	13.45
2					.90			.05	.40	.00	.40	.55
3					.90	15.60		.05	.30	12.90	.40	.15
4					.95	14.85		.00	.25	.80	.40	12.85
5					.25	.45		12.95	.00	.75	.40	.50
6					15.60	14.30		12.95	12.90	12.70	12.40	12.30
7					.35	.00		.95	.90	.65	.40	.30
8					14.95	13.80		.95	.80	.60	.40	.30
9					.80		14.10	.95	.80	.60	.40	.30
10					.65		16.00	13.05	.75	.55	.35	.30
11					14.60		15.80	13.05	12.85	12.55	12.35	12.30
12					.60		14.15	12.95	.75	.55	.35	.30
13					.50		.35	.90	.70	.55	.35	11.85
14					.40		13.95	.90	.70	.55	.35	.90
15					.25			.95	.65	.55	.35	12.05
16					14.25		–	12.90	12.70	12.50	12.35	12.15
17					.25		–	.95	.65	.50	.35	.20
18					.05		15.75	.90	.65	.50	.35	.05
19					13.95		.60	.85	.65	.50	.30	11.95
20							.00	.85	.60	.50	.30	.95
21							14.40	12.95	12.60	12.50	12.30	11.90
22							.05	.90	.60	.50	.30	.95
23								.90	.60	.45	.30	.90
24								.80	.60	.45	.30	.90
25								.80	.60	.45	.30	.90
26								12.80	12.60	12.45	12.30	11.85
27								.80	.60	.45	.30	.85
28								.75	.70	.45	.30	.80
29								.70	13.55	.40	–	.85
30								.85	.40	.40	–	.80
31								–	.35	.40	–	.80
Mean								12.91	12.86	12.57	12.34	12.19
Max.								13.05	13.60	13.25	12.40	13.55
Min.								12.70	12.60	12.40	12.30	11.80

WATER YEAR 1937 : Max. m. Min. m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1,1937 TO MARCH 31, 1938

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1					230			11	29	16	1.00	23
2					280			11	21	10	1.00	27
3					280	154		11	18	8.00	1.00	13
4					285	96		10	16	6.00	1.00	7.00
5					215	71		9.00	10	5.00	1.00	1.50
6					154	62		9.00	8.00	4.00	1.00	0.75
7					132	46		9.00	8.00	3.25	1.00	0.75
8					101	37		9.00	6.00	2.50	1.00	0.75
9					93		51	9.00	6.00	2.50	1.00	0.75
10					83		190	11	5.00	2.00	0.87	0.75
11					80		172	11	7.00	2.00	0.87	0.75
12					80		53	9.00	5.00	2.00	0.87	0.75
13					74		65	8.00	4.00	2.00	0.87	0.00
14					68		43	8.00	4.00	2.00	0.87	0.00
15					59			9.00	3.25	2.00	0.87	0.00
16					59			8.00	4.00	1.50	0.87	0.00
17					59			9.00	3.25	1.50	0.87	0.00
18					48		167	8.00	3.25	1.50	0.87	0.00
19					43		154	7.00	3.25	1.50	0.75	0.00
20							107	7.00	2.50	1.50	0.75	0.00
21							68	9.00	2.50	1.50	0.75	0.00
22							48	8.00	2.50	1.50	0.75	0.00
23								8.00	2.50	1.25	0.75	0.00
24								6.00	2.50	1.25	0.75	0.00
25								6.00	2.50	1.25	0.75	0.00
26								6.00	2.50	1.25	0.75	0.00
27								6.00	2.50	1.25	0.75	0.00
28								5.00	4.00	1.25	0.75	0.00
29								4.00	27	1.00		0.00
30								7.00	21	1.00		0.00
31									19	1.00		0.00
Total								248.	255	90.25	24.33	76.75
Mean								8.26	8.22	2.91	0.87	2.47
Max.								11	29	16	1.00	27
Min.								4.00	2.50	1.00	0.75	0.00
Runoff - mcm.								21.427	22.032	7.797	2.102	6.631

WATER YEAR 1937 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1930
PHET RIVER BASIN

Phet 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, 10 kilometers downstream from Kaeng Krachan Dam site, Amphoe Tha Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 44.08 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1930-42, 1954 to date

Rating Operation:

Period of Rating: 1954-59

Rated by Float:

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

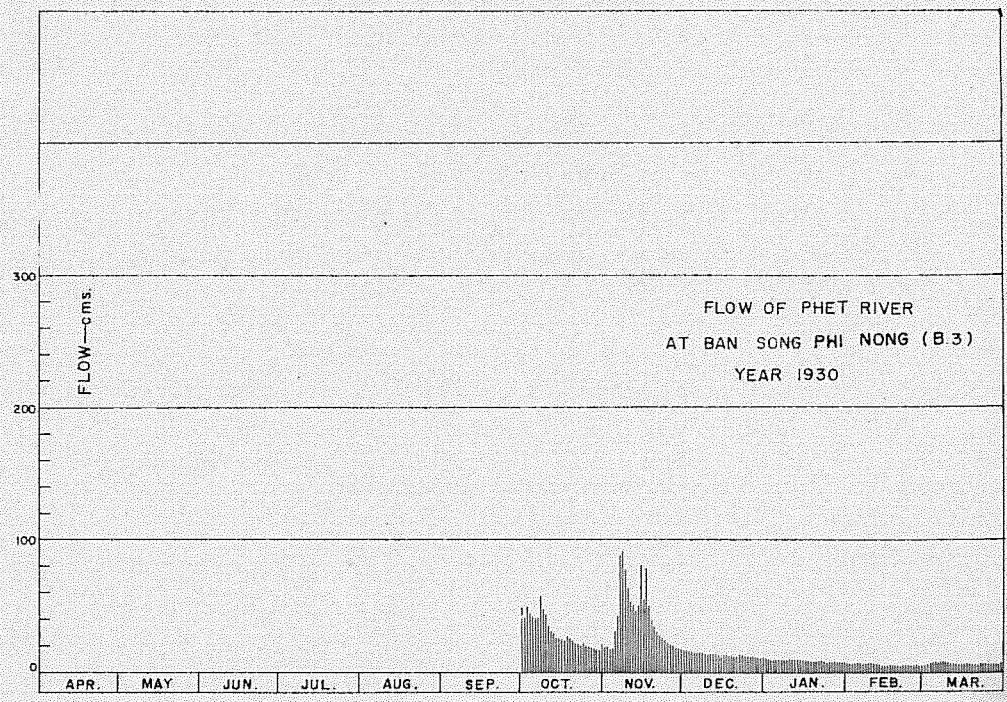
General Description: Record fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

Remark: Records begin on October 1, 1930.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1							40.87	40.43	40.38	40.22	40.10	40.05
2							.76	.44	.37	.21	.09	.07
3							.89	.38	.35	.21	.09	.08
4							.83	.33	.34	.21	.09	.08
5							.79	.64	.33	.20	.11	.13
6							40.77	40.50	40.33	40.20	40.10	40.13
7							.87	41.36	.32	.20	.09	.13
8							.99	.40	.32	.19	.09	.12
9							.86	.17	.31	.19	.08	.11
10							.74	.05	.30	.19	.08	.10
11							40.67	40.91	40.29	40.19	40.08	40.09
12							.62	.89	.29	.18	.07	.08
13							.59	.83	.29	.18	.07	.08
14							.54	.89	.28	.18	.06	.07
15							.53	41.28	.28	.17	.06	.07
16							40.51	40.82	40.27	40.17	40.06	40.06
17							.50	41.24	.27	.17	.05	.06
18							.56	40.91	.26	.16	.05	.05
19							.53	.76	.27	.16	.04	.05
20							.50	.65	.26	.16	.04	.04
21							40.46	40.60	40.25	40.15	40.04	40.04
22							.45	.56	.27	.15	.03	.04
23							.43	.51	.27	.15	.03	.03
24							.47	.49	.25	.14	.03	.03
25							.44	.46	.24	.14	.02	.03
26							40.42	40.44	40.24	40.13	40.02	40.02
27							.41	.43	.24	.13	.01	.02
28							.40	.40	.23	.13	.01	.01
29							.38	.39	.23	.12	–	.00
30							.37	.39	.23	.12	–	.11
31							.47	–	.22	.10	–	.05
Mean							40.62	40.72	40.28	40.16	40.06	40.06
Max.							40.99	41.40	40.38	40.22	40.11	40.13
Min.							40.37	40.33	40.22	40.10	40.01	40.00

WATER YEAR 1930 : Max. m. Min. m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1930 TO MARCH 31, 1931

Day	Apr.	May	Jun.	Jul	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1							49	20	17	11	6.50	5.50
2							40	20	17	10	6.30	5.90
3							50	17	16	10	6.30	6.10
4							45	15	16	10	6.30	6.30
5							42	32	15	10	6.85	7.55
6							41	24	15	10	6.50	7.55
7							49	88	15	10	6.30	7.55
8							58	91	15	9.65	6.30	7.20
9							48	73	14	9.65	6.10	6.85
10							39	63	14	9.65	6.10	6.50
11							34	52	14	9.65	6.10	6.30
12							31	50	14	9.30	5.90	6.10
13							29	45	14	9.30	5.90	6.10
14							26	50	13	9.30	5.70	5.90
15							26	81	13	8.95	5.70	5.90
16							25	45	13	8.95	5.70	5.70
17							24	78	13	8.95	5.50	5.70
18							28	52	12	8.60	5.50	5.50
19							26	40	13	8.60	5.30	5.50
20							24	33	12	8.60	5.30	5.30
21							22	30	12	8.25	5.30	5.30
22							21	28	13	8.25	5.10	5.30
23							20	25	13	8.25	5.10	5.10
24							22	23	12	7.90	5.10	5.10
25							20	22	12	7.90	4.90	5.10
26							19	20	12	7.55	4.90	4.90
27							19	20	12	7.55	4.70	4.90
28							18	18	11	7.55	4.70	4.70
29							17	18	11	7.20		4.50
30							17	18	11	7.20		6.85
31							22		11	6.50		5.50
Total							951	1,163	415	274.25	159.95	182.25
Mean							30.6	38.7	13.3	8.84	5.71	5.87
Max.							58	91	17	11	6.85	7.55
Min.							17	15	11	6.50	4.70	4.50
Runoff - mcm.							82.166	100.483	35.856	23.695	13.819	15.746

WATER YEAR 1930 : Max. Min. Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1931
PHET RIVER BASIN

Phet 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, 10 kilometer downstream from Kaeng Krachan Dam site, Amphoe Tha Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 44.08 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 3-time daily readings at 06.00, 09.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 3 readings.

Period of Available Gage Records: 1930-42, 1954 to date.

Rating Operation:

Period of Rating: 1954-59

Rated by Float: -

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

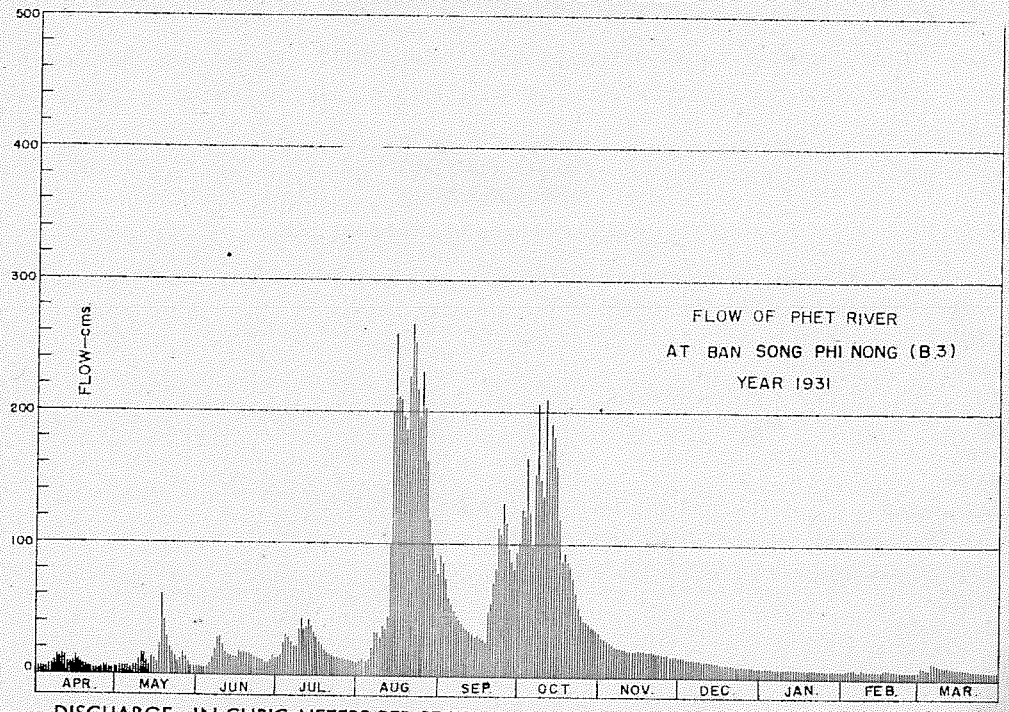
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	40.06	40.06	40.09	40.31	40.22	41.41	40.52	40.60	40.33	40.13	40.05	40.17
2	.05	.14	.08	.33	.25	.34	.79	.58	.32	.12	.10	.14
3	.04	.12	.06	.52	.23	.19	.73	.57	.31	.12	.10	.12
4	.06	.11	.09	.61	.19	.01	42.22	.54	.30	.12	.10	.11
5	.15	.08	.15	.58	.39	40.95	41.72	.52	.30	.11	.09	.25
6	40.19	40.06	40.27	40.52	40.47	40.88	41.49	40.50	40.29	40.11	40.06	40.23
7	.20	.09	.42	.47	.66	.83	.96	.49	.28	.11	.06	.20
8	.31	.12	.59	.46	.64	.80	42.67	.48	.27	.10	.10	.19
9	.26	.23	.60	.67	.57	.75	.03	.47	.26	.10	.07	.18
10	.32	.37	.49	.82	.75	.70	41.90	.45	.24	.10	.05	.17
11	40.30	40.34	40.37	40.69	40.68	40.68	42.72	40.44	40.24	40.10	40.03	40.16
12	.18	.19	.33	.71	.71	.66	.30	.43	.23	.09	.03	.15
13	.15	.10	.33	.80	41.68	.62	.51	.43	.22	.09	.03	.14
14	.21	.31	.29	.72	42.62	.60	.40	.42	.22	.09	.06	.13
15	.27	.25	.30	.62	43.27	.62	.14	.45	.22	.09	.07	.12
16	40.23	40.16	40.42	40.57	42.68	40.59	41.71	40.44	40.21	40.09	40.08	40.12
17	.18	.46	.38	.52	.71	.56	.35	.43	.21	.09	.09	.11
18	.16	41.03	.37	.49	.57	.54	.43	.42	.20	.08	.09	.09
19	.13	40.72	.38	.41	.44	.83	.35	.41	.20	.08	.07	.08
20	.10	.58	.38	.38	.85	.94	.30	.43	.19	.08	.06	.07
21	40.07	40.45	40.33	40.35	43.34	41.15	41.21	40.41	40.18	40.08	40.05	40.06
22	.05	.36	.31	.30	.19	.27	.08	.40	.18	.07	.05	.06
23	.04	.29	.27	.29	42.80	.76	40.91	.39	.17	.07	.04	.05
24	.03	.20	.26	.28	.54	.59	.85	.38	.17	.07	.04	.04
25	.05	.29	.24	.28	.94	.84	.80	.37	.17	.06	.05	.04
26	40.09	40.35	40.20	40.28	42.62	41.67	40.78	40.37	40.16	40.06	40.03	40.03
27	.09	.25	.19	.26	41.95	.45	.76	.36	.16	.06	.03	.02
28	.07	.19	.24	.24	.60	.35	.73	.35	.15	.05	.05	.02
29	.05	.14	.33	.23	.50	.28	.71	.34	.14	.05	.05	.04
30	.04	.10	.28	.23	.38	.43	.69	.33	.14	.05	-	.06
31	-	.09	-	.21	.24	-	.66	-	.13	.04	-	.05
Mean	40.14	40.55	40.30	40.46	41.67	41.04	41.53	40.45	40.22	40.09	40.07	40.11
Max.	40.32	41.03	40.60	40.82	43.34	41.84	42.72	40.60	40.33	40.13	40.10	40.25
Min.	40.03	40.06	40.06	40.21	40.19	40.54	40.66	40.33	40.13	40.04	40.03	40.02

WATER YEAR 1931 : Max. 43.34 m. Min. 40.02 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1931 TO MARCH 31, 1932

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.70	5.70	6.30	14	11	92	102	30	15	7.55	5.30	8.95
2	5.50	7.90	6.10	15	12	86	126	29	15	7.20	6.50	7.90
3	5.30	7.20	5.70	25	11	74	121	28	14	7.20	6.50	7.20
4	5.70	6.85	6.30	31	9.65	60	165	26	14	7.20	6.50	6.85
5	8.25	6.10	8.25	29	18	55	120	25	14	6.85	6.30	12
6	9.65	5.70	13	25	22	49	99	24	14	6.85	5.70	11
7	10	6.30	19	22	34	45	141	23	13	6.85	5.70	10
8	14	7.20	29	22	32	43	205	23	13	6.50	6.50	9.65
9	12	11	30	34	28	39	148	22	12	6.50	5.90	9.30
10	15	17	23	45	39	36	136	21	12	6.50	5.50	8.95
11	14	16	17	35	35	35	210	20	12	6.50	5.10	8.60
12	9.30	9.65	15	37	37	34	172	20	11	6.30	5.10	8.25
13	8.25	6.50	15	43	116	31	191	20	11	6.30	5.10	7.90
14	10	14	14	37	201	30	181	19	11	6.30	5.70	7.55
15	13	12	14	31	259	31	158	21	11	6.30	5.90	7.20
16	11	8.60	19	28	206	29	119	20	10	6.30	6.10	7.20
17	9.30	22	17	25	209	28	87	20	10	6.30	6.30	6.85
18	8.60	61	17	23	196	26	94	19	10	6.10	6.30	6.30
19	7.55	37	17	19	185	45	87	19	10	6.10	5.90	6.10
20	6.50	29	17	17	221	54	83	20	9.65	6.10	5.70	5.90
21	5.90	21	15	16	266	71	76	19	9.30	6.10	5.50	5.70
22	5.50	16	14	14	252	81	65	18	9.30	5.90	5.50	5.70
23	5.30	14	13	14	217	123	52	18	8.95	5.90	5.30	5.50
24	5.10	10	12	13	194	108	47	17	8.95	5.90	5.30	5.30
25	5.50	14	12	13	230	131	43	17	8.95	5.70	5.50	5.30
26	6.30	16	10	13	201	115	42	17	8.60	5.70	5.10	5.10
27	6.30	12	9.65	12	140	95	40	16	8.60	5.70	5.10	4.90
28	5.90	9.65	12	12	109	87	38	16	8.25	5.50	5.50	4.90
29	5.50	7.90	15	11	100	81	37	16	7.90	5.50	5.50	5.30
30	5.30	6.50	13	11	89	94	35	15	7.90	5.50		5.70
31		6.30		10	78		34		7.55	5.30		5.50
Total	245.20	430.05	434.30	696	3,757.65	1,908	3,254	618	355.90	194.50	165.90	222.55
Mean	8.17	13.8	14.5	22.4	121	63.6	105	20.6	10.8	6.27	5.70	7.17
Max.	15	61	30	45	266	131	210	30	15	7.55	6.50	12
Min.	5.10	5.70	5.70	10	9.65	26	34	15	7.55	5.30	5.10	4.90
Runoff ~ mcm.	21.185	37.156	37.523	60.134	324.660	164.851	281.145	53.395	29.021	16.804	14.333	19.228

WATER YEAR 1931 : Max. 266 Min. 4.90 Mean 33.5 Annual Runoff 1,059.441 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 21	12.00	43.48	278				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1932
PHET RIVER BASIN

Phet River at Ban Song Phi Nong, Phetchaburi (B.3)

Location: Lat. 12°-52'-04" N., Long. 99°-40'-04" N., Long. 99°-40'-40" E., on left bank at Ban Song Phi Nong, 10 kilometers downstream from Kaeng Krachan Dam site, Amphoe Tha Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 44.08 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

Gage Reading Frequency: 3-time daily readings at 06.00, 09.00 and 18.00 hours.

Basis of Mean Daily Gage Height: Arithmetic mean of 3 readings.

Period of Available Gage Records: 1930-42, 1954 to date.

Rating Operation:

Period of Rating: 1954-59

Rated by Float: -

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

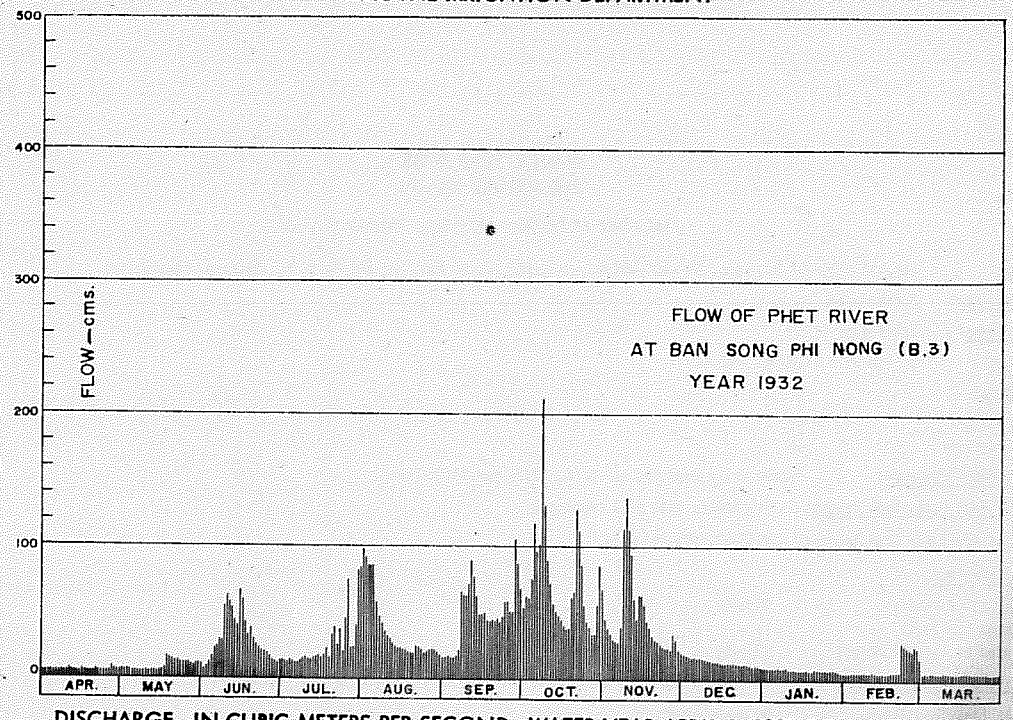
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment ade for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	40.03	40.09	40.11	40.31	41.48	40.34	40.90	40.81	40.41	40.18	40.07	40.07
2	.02	.08	.17	.27	.35	.38	41.04	.70	.38	.17	.06	.05
3	.01	.08	.23	.24	.32	.36	.01	.66	.37	.17	.06	.04
4	.02	.07	.32	.30	.35	.35	.15	.59	.36	.17	.06	.07
5	.03	.06	.49	.28	.14	.37	.69	.57	.35	.16	.05	.04
6	40.04	40.05	40.48	40.24	40.97	40.43	41.34	40.56	40.34	40.16	40.05	40.04
7	.05	.04	.60	.24	.86	41.09	.02	.55	.34	.15	.04	.03
8	.05	.03	.56	.31	.78	.05	42.73	41.62	.33	.15	.04	.03
9	.05	.05	.96	.33	.70	.04	41.65	.90	.32	.15	.04	.03
10	.02	.07	41.05	.36	.64	.18	.38	.54	.30	.14	.03	.02
11	40.12	40.07	40.99	40.33	40.61	41.38	41.14	41.41	40.29	40.14	40.09	40.02
12	.07	.06	.94	.31	.56	.15	40.97	40.92	.28	.14	.06	.02
13	.05	.05	.81	.36	.52	40.97	.90	.80	.27	.13	.05	.01
14	.04	.04	.73	.38	.49	.85	.86	41.06	.27	.13	.04	.01
15	.03	.04	41.10	.40	.48	.87	.81	.05	.26	.13	.04	.00
16	40.08	40.09	40.97	40.36	40.46	40.89	40.76	40.88	40.25	40.12	40.04	40.00
17	.04	.11	.75	.42	.47	.81	.71	.79	.25	.12	.03	39.99
18	.04	.38	.64	.49	.44	.80	.71	.73	.24	.12	.03	.99
19	.03	.29	.73	.23	.41	.81	41.03	.62	.24	.11	.03	.98
20	.02	.34	.59	.65	.41	.80	.02	.59	.24	.11	.03	.97
21	40.08	40.27	40.52	40.74	40.51	40.83	41.80	40.56	40.23	40.10	40.04	39.97
22	.04	.28	.46	.46	.50	.79	.60	.51	.23	.10	.56	.97
23	.03	.26	.45	.71	.44	.86	.16	.50	.22	.10	.51	.97
24	.07	.26	.44	41.29	.41	41.00	40.94	.48	.22	.09	.50	.98
25	.05	.24	.40	.73	.45	40.99	.78	.45	.22	.09	.48	.96
26	40.03	40.24	40.37	41.20	40.46	40.85	40.74	40.46	40.21	40.09	40.45	39.96
27	.15	.21	.31	40.48	.46	.81	.67	.65	.21	.08	.53	.99
28	.12	.19	.28	.46	.45	41.55	.67	.57	.20	.08	.50	.92
29	.09	.23	.26	.72	.42	.20	.91	.45	.19	.07	-	.99
30	.06	.22	.30	41.29	.39	.07	41.33	.43	.19	.07	-	.99
31	-	.24	-	.31	.36	-	.02	-	.19	.07	-	.99
Mean	40.05	40.15	40.53	40.55	40.65	40.86	41.11	40.78	40.27	40.12	40.16	40.00
Max.	40.15	40.38	41.10	41.73	41.48	41.55	42.73	41.90	40.41	40.18	40.56	40.07
Min.	40.01	40.03	40.11	40.24	40.36	40.34	40.67	40.43	40.19	40.07	40.03	39.96

WATER YEAR 1932 : Max. 42.73 m. Min. 39.96 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1932 TO MARCH 31, 1933

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.10	6.30	6.85	14	98	16	51	44	19	9.30	5.90	5.90
2	4.90	6.10	8.95	13	87	17	62	36	18	8.95	5.70	5.50
3	4.70	6.10	11	12	85	16	60	34	17	8.95	5.70	5.30
4	4.90	5.90	15	14	87	16	71	29	16	8.95	5.70	5.90
5	5.10	5.70	23	13	70	17	117	28	16	8.60	5.50	5.30
6	5.30	5.50	23	12	57	20	86	28	16	8.60	5.50	5.30
7	5.50	5.30	30	12	47	66	61	27	16	8.25	5.30	5.10
8	5.50	5.10	28	14	42	63	211	111	15	8.25	5.30	5.10
9	5.50	5.50	56	15	36	62	113	136	15	8.25	5.30	5.10
10	4.90	5.90	63	16	32	73	89	104	14	7.90	5.10	4.90
11	7.20	5.90	58	15	31	89	70	92	14	7.90	6.30	4.90
12	5.90	5.70	54	14	28	71	57	53	13	7.90	5.70	4.90
13	5.50	5.50	44	16	25	57	51	43	13	7.55	5.50	4.70
14	5.30	5.30	38	17	23	47	48	64	13	7.55	5.30	4.70
15	5.10	5.30	67	18	23	49	44	63	12	7.55	5.30	4.50
16	6.10	6.30	57	16	22	50	40	49	12	7.20	5.30	4.50
17	5.30	6.85	39	19	22	44	37	42	12	7.20	5.10	4.40
18	5.30	17	32	23	20	43	37	38	12	7.20	5.10	4.40
19	5.10	14	38	11	19	44	61	31	12	6.85	5.10	4.30
20	4.90	16	29	33	19	43	61	29	12	6.85	5.10	4.20
21	6.10	13	25	39	25	45	127	28	11	6.50	5.30	4.20
22	5.30	13	22	22	24	42	109	25	11	6.50	28	4.20
23	5.10	12	21	37	20	48	72	24	11	6.50	25	4.20
24	5.90	12	20	82	19	59	54	23	11	6.30	24	4.30
25	5.50	12	18	121	21	58	42	21	11	6.30	23	4.10
26	5.10	12	17	75	22	47	39	22	10	6.30	21	4.10
27	8.25	10	14	23	22	44	34	33	10	6.10	26	4.40
28	7.20	9.65	13	22	21	104	34	28	10	6.10	24	3.70
29	6.30	11	12	37	19	75	52	21	9.65	5.90		4.40
30	5.70	11	14	82	18	65	85	20	9.65	5.90		4.40
31		12		84	16		61		9.65	5.90		4.40
Total	167.55	272.90	896.80	941	1,100	1,490	2,136	1,326	400.95	228.05	285.10	145.30
Mean	5.58	8.80	29.8	30.3	35.4	49.6	68.9	44.3	12.9	7.60	10.2	4.68
Max.	8.25	17	67	121	98	104	211	136	19	9.30	28	5.90
Min.	4.70	5.10	6.85	12	16	16	34	20	9.65	5.90	5.10	3.70
Runoff — mcm.	14.476	23.578	77.483	81.302	95.040	128.736	184.550	114.566	34.642	19.703	24.632	12.553

WATER YEAR 1932 : Max. 211 Min. 3.70 Mean 25.7 Annual Runoff 811.265 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 8	18.00	43.18	251				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1933
PHET RIVER BASIN

Phet 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, A. Tha Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 44.08 m. (M.S.L.)

Bench Mark: –

Location: –

Elevation: –

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: 1930-42, 1954 to date

Rating Operation:

Period of Rating: 1954-59

Rated by Float: –

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

Overbank Flow Conditions: No overbank flow.

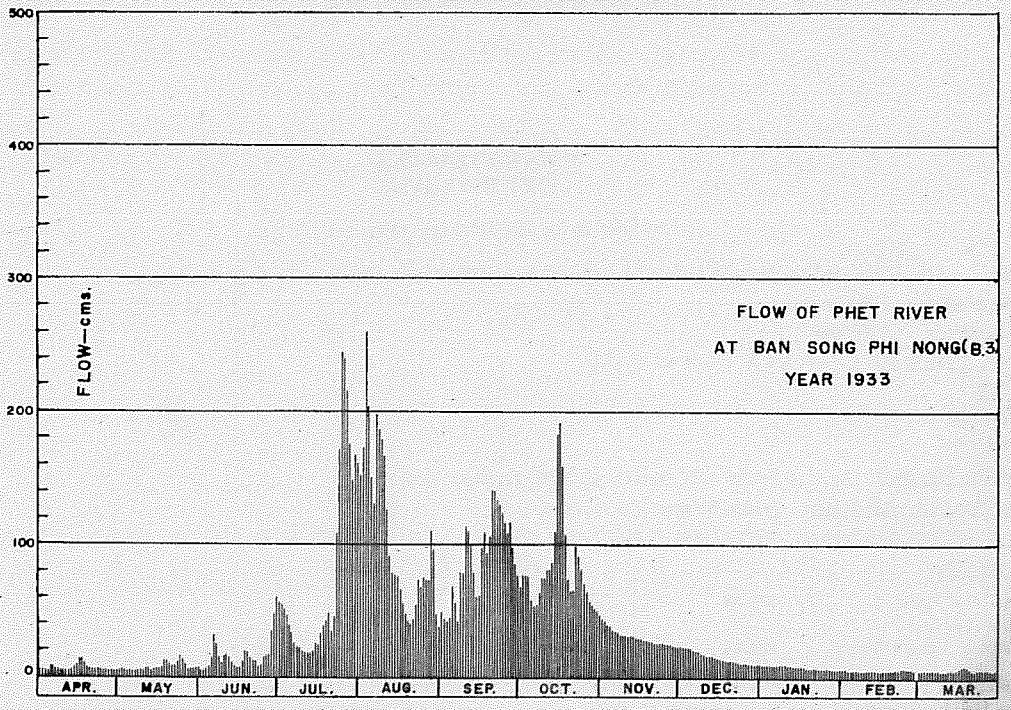
General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	39.99	40.02	40.07	40.96	42.04	40.87	41.10	40.81	40.49	40.20	40.08	40.06
2	.98	.08	.06	.94	.21	.80	.22	.79	.48	.19	.08	.05
3	.98	.06	.09	.89	43.31	.78	.21	.76	.47	.19	.07	.05
4	.97	.03	.17	.81	42.45	.81	.04	.74	.46	.19	.07	.05
5	40.15	.02	.26	.73	41.95	41.11	40.90	.70	.45	.18	.06	.04
6	40.14	40.01	40.63	40.62	41.78	40.84	40.92	40.68	40.44	40.18	40.06	40.03
7	.05	.00	.44	.49	42.54	.77	.94	.66	.43	.17	.06	.03
8	.03	.03	.31	.48	.41	41.26	41.08	.64	.40	.17	.05	.02
9	.02	.04	.21	.45	.36	.25	.20	.63	.39	.17	.05	.01
10	.00	.03	.38	.41	.16	.65	.19	.62	.37	.16	.04	.00
11	39.99	40.10	40.36	40.39	41.48	41.59	41.27	40.62	40.36	40.16	40.04	40.02
12	40.00	.12	.27	.39	.26	.44	.27	.61	.35	.16	.04	.03
13	.02	.03	.19	.39	.24	.21	.36	.61	.34	.15	.04	.04
14	.12	.03	.15	.45	.22	.03	.59	.59	.32	.14	.03	.03
15	.19	.09	.11	.52	.19	40.99	42.43	.55	.31	.14	.03	.05
16	40.31	40.09	40.13	40.50	41.13	41.48	42.51	40.58	40.30	40.14	40.03	40.08
17	.30	.14	.28	.67	40.95	.60	41.71	.57	.28	.13	.03	.14
18	.19	.28	.44	.76	.84	.42	.36	.57	.27	.13	.02	.19
19	.11	.27	.38	.81	.78	.47	.16	.56	.26	.13	.02	.14
20	.05	.19	.30	.85	.76	.95	.05	.56	.25	.12	.02	.06
21	40.04	40.15	40.27	40.64	40.81	41.95	41.07	40.54	40.24	40.12	40.01	40.02
22	.06	.17	.27	.77	.97	.84	.48	.54	.24	.12	.01	.00
23	.08	.24	.09	41.52	41.17	.82	.33	.54	.23	.11	.11	.03
24	.07	.34	.15	42.53	.08	.76	.23	.53	.23	.11	.13	.06
25	.04	.27	.32	43.10	.20	.67	.12	.52	.22	.11	.11	.05
26	40.05	40.19	40.34	43.02	41.18	41.58	41.06	40.52	40.22	40.10	40.09	40.04
27	.05	.01	.36	42.61	.18	.67	40.99	.51	.21	.10	.08	.04
28	.01	.09	.68	41.88	.61	.49	.94	.50	.21	.09	.07	.02
29	.02	.09	.89	42.06	.02	.25	.91	.50	.21	.09	–	.01
30	.01	.09	41.01	.23	40.76	.12	.89	.49	.21	.09	–	.03
31	–	.06	–	.13	.73	–	.85	–	.20	.08	–	.02
Mean	40.08	40.12	40.36	41.19	41.49	41.27	41.22	40.61	40.30	40.14	40.06	40.05
Max.	40.31	40.34	41.01	43.10	43.31	41.95	42.51	40.81	40.49	40.20	40.13	40.06
Min.	39.97	40.00	40.06	40.39	40.73	40.77	40.85	40.49	40.20	40.08	40.01	40.00

WATER YEAR 1933 : Max. 43.31 m. Min. 39.97 m.

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1933 TO MARCH 31, 1934

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	4.40	4.90	5.90	56	149	49	67	44	23	10	6.10	5.70
2	4.30	6.10	5.70	54	164	43	77	42	23	9.65	6.10	5.50
3	4.30	5.70	6.30	50	263	42	76	40	22	9.65	5.90	5.50
4	4.20	5.10	8.95	44	185	44	62	39	22	9.65	5.90	5.50
5	8.25	4.90	12	38	140	68	51	36	21	9.30	5.70	5.30
6	7.90	4.70	32	31	125	46	53	35	20	9.30	5.70	5.10
7	5.50	4.50	20	23	194	41	54	34	20	8.95	5.70	5.10
8	5.10	5.10	14	23	182	80	65	32	18	8.95	5.50	4.90
9	4.90	5.30	10	21	177	79	75	32	18	8.95	5.50	4.70
10	4.50	5.10	17	19	159	113	74	31	17	8.60	5.30	4.50
11	4.40	6.50	16	18	98	108	81	31	16	8.60	5.30	4.90
12	4.50	7.20	13	18	80	95	81	31	16	8.60	5.30	5.10
13	4.90	5.10	9.65	18	78	76	88	31	16	8.25	5.30	5.30
14	7.20	5.10	8.25	21	77	61	108	29	15	7.90	5.10	5.10
15	9.65	6.30	6.85	25	74	58	184	29	14	7.90	5.10	5.50
16	14	6.30	7.55	24	69	98	191	29	14	7.90	5.10	6.10
17	14	7.90	13	34	55	109	119	28	13	7.55	5.10	7.90
18	9.65	13	20	40	46	93	88	28	13	7.55	4.90	9.65
19	6.85	13	17	44	42	97	72	28	12	7.55	4.90	7.90
20	5.50	9.65	14	47	40	140	63	28	12	7.20	4.90	5.70
21	5.30	8.25	13	32	44	140	65	26	12	7.20	4.70	4.90
22	5.70	8.95	13	41	57	131	98	26	12	7.20	4.70	4.50
23	6.10	12	6.30	102	73	129	85	26	11	6.85	6.85	5.10
24	5.90	16	8.25	193	65	123	77	26	11	6.85	7.55	5.70
25	5.30	13	15	244	75	115	69	25	11	6.85	6.85	5.50
26	5.50	9.65	16	237	73	107	64	25	11	6.50	6.30	5.30
27	5.50	4.70	16	200	73	115	58	25	10	6.50	6.10	5.30
28	4.70	6.30	35	134	110	99	54	24	10	6.30	5.90	4.90
29	4.90	6.30	50	150	61	79	52	24	10	6.30		4.70
30	4.70	6.30	60	166	40	69	50	23	10	6.30		5.10
31		6.10		157	38		47		10	6.10		4.90
Total	187.60	229.00	489.70	2,304	3,106	2,647	2,448	907	463	244.95	157.35	170.85
Mean	6.25	7.38	16.3	74.3	100.2	88.2	78.9	30.2	14.9	7.90	5.61	5.51
Max.	14	16	60	244	263	140	191	44	23	10	6.10	5.70
Min.	4.20	4.50	5.70	18	38	41	47	23	10	6.10	4.70	4.50
Runoff - mcm.	16.208	19.785	42.310	199.065	268.358	288.700	211.507	78.364	40.106	21.163	13.595	14.761

WATER YEAR 1933 : Max. 263 Min. 4.20 Mean 36.6 Annual Runoff 1,153.824 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 3	06.00	43.48	278				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1934
PHET RIVER BASIN

Phet 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, A.Tha Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: on top at + 44.08 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1930-42, 1954 to date.

Rating Operation:

Period of Rating: 1954-59

Rated by Float: -

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

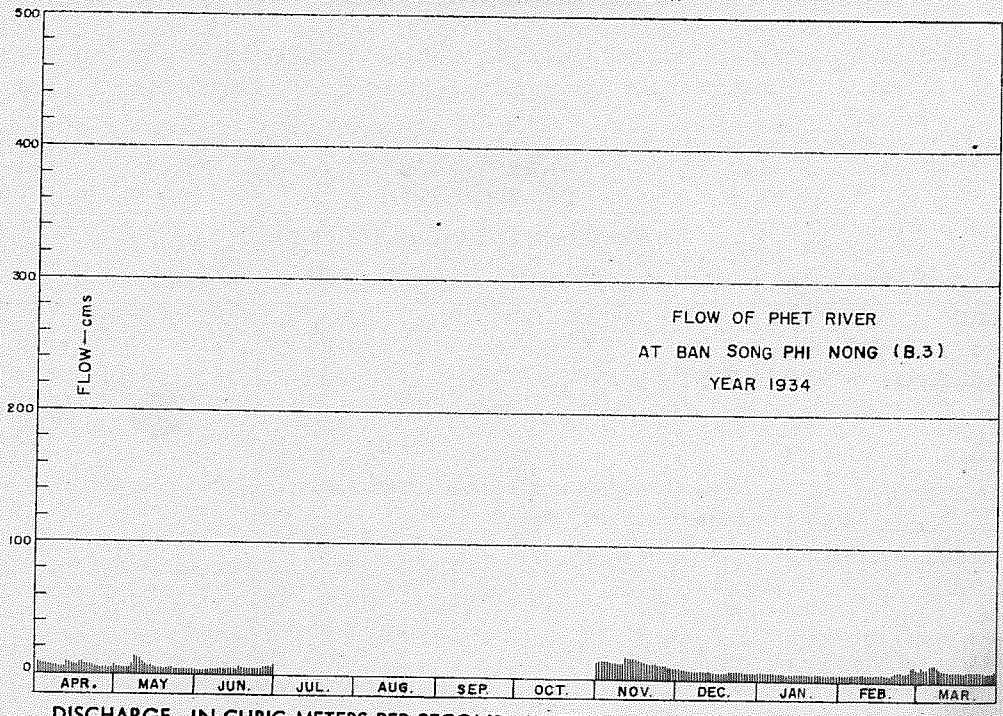
Overbank Flow Conditions: No overbank flow.

General Description: Records fair. State discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	40.16	40.06	39.94					40.30	40.16	40.09	40.02	40.14
2	.15	.06	.94					.30	.15	.08	.02	.23
3	.14	.06	.93					.30	.14	.07	.01	.16
4	.13	.05	.93					.29	.13	.06	.01	.18
5	.12	.03	.94					.29	.12	.05	.01	.26
6	40.10	40.07	39.99					40.28	40.11	40.05	40.00	40.27
7	.09	.15	.97					.28	.11	.04	.00	.27
8	.06	.31	.97					.28	.10	.03	.00	.17
9	.02	.29	.96					.27	.10	.03	39.99	.15
10	39.99	.23	.96					.27	.09	.02	.99	.13
11	40.06	40.17	39.98					40.38	40.09	40.02	39.98	40.08
12	.19	.14	.97					.35	.08	.01	.97	.04
13	.16	.10	.97					.35	.07	.01	.97	.03
14	.14	.08	.97					.34	.07	.07	.97	.02
15	.13	.05	.97					.34	.06	.05	.96	.09
16	40.12	40.04	40.02					40.32	40.05	40.05	39.95	40.08
17	.17	.03	.09					.32	.06	.05	.95	.09
18	.16	.03	.07					.30	.06	.05	.95	.08
19	.13	.02	.05					.27	.07	.04	.94	.08
20	.12	.01	.04					.27	.10	.04	.96	.08
21	40.11	40.00	40.03					40.26	40.09	40.04	40.08	40.08
22	.10	.01	.02					.26	.09	.04	.09	.11
23	.06	.01	.02					.25	.08	.03	.06	.09
24	.05	.01	.04					.25	.06	.03	.07	.09
25	.04	.00	.07					.24	.06	.03	.03	.08
26	40.03	39.99	40.09					40.23	40.05	40.02	40.09	40.07
27	.02	40.01	.09					.21	.05	.02	.24	.10
28	.03	39.96	.10					.20	.04	.02	.23	.09
29	.05	.95	.11					.19	.04	.01	-	.09
30	.08	.95	.17					.17	.03	.01	-	.09
31	-	.94	-					-	.06	.02	-	.08
Mean	40.09	40.07	40.02					40.26	40.08	40.03	40.02	40.11
Max.	40.19	40.31	40.17					40.38	40.16	40.09	40.24	40.27
Min.	39.99	39.94	39.94					40.17	40.03	40.01	39.94	40.02

WATER YEAR 1934 : Max. 40.38 m. Min. 39.94 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1934 TO MARCH 31, 1935

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	8.30	5.70	3.90					13	8.30	6.30	4.90	7.70
2	8.00	5.70	3.90					13	8.00	6.10	4.90	11
3	7.70	5.70	3.80					13	7.70	5.90	4.70	8.30
4	7.40	5.50	3.80					13	7.40	5.70	4.70	8.90
5	7.10	5.10	3.90					13	7.10	5.50	4.70	12
6	6.50	5.90	4.40					12	6.80	5.50	4.50	12
7	6.30	8.00	4.20					12	6.80	5.30	4.50	12
8	5.70	14	4.20					12	6.50	5.10	4.50	8.60
9	4.90	13	4.10					12	6.50	5.10	4.40	8.00
10	4.40	11	4.10					12	6.30	4.90	4.40	7.40
11	5.70	8.60	4.30					17	6.30	4.90	4.30	6.10
12	9.20	7.70	4.20					15	6.10	4.70	4.20	5.30
13	8.30	6.50	4.20					15	5.90	4.70	4.20	5.10
14	7.70	6.10	4.20					15	5.90	5.90	4.20	4.90
15	7.40	5.50	4.20					15	5.70	5.50	4.10	6.30
16	7.10	5.30	4.90					14	5.50	5.50	4.10	6.10
17	8.60	5.10	6.30					14	5.70	5.50	4.00	6.30
18	8.30	5.10	5.90					13	5.70	5.50	4.00	6.10
19	7.40	4.90	5.50					12	5.90	5.30	3.90	6.10
20	7.10	4.70	5.30					12	6.50	5.30	4.10	6.10
21	6.80	4.50	5.10					12	6.30	5.30	6.10	6.10
22	6.50	4.70	4.90					12	6.30	5.30	6.30	6.80
23	5.70	4.70	4.90					11	6.10	5.10	6.70	6.30
24	5.50	4.70	5.30					11	5.70	5.10	5.90	6.30
25	5.30	4.50	5.90					11	5.70	5.10	5.10	6.10
26	5.10	4.40	6.30					11	5.50	4.90	6.30	5.90
27	4.90	4.70	6.30					9.87	5.50	4.90	11	6.50
28	5.10	4.10	6.50					9.50	5.30	4.90	11	6.30
29	5.50	4.00	6.80					9.20	5.30	4.70		6.30
30	6.30	4.00	8.60					8.60	5.10	4.70		6.30
31		3.90							5.70	4.90		6.10
Total	199.60	187.30	149.90					372.17	193.10	163.10	144.70	223.30
Mean	6.65	6.04	4.99					12.4	6.22	5.26	5.16	7.20
Max.	9.20	14	8.60					17	8.30	6.30	11	12
Min.	4.40	3.90	3.90					8.60	5.10	4.70	3.90	4.90
Runoff - mcm.	17.245	16.182	12.951					32.155	16.683	14.091	12.502	19.293

WATER YEAR 1934 : Max. Min. 3.90 Mean Annual Runoff mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1935
PHET RIVERB ASIN

Phet 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, A. Ban Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage at Bottom at: on top at + 44.08 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1930-42, 1954 to date.

Rating Operation:

Period of Rating: 1954-59

Rated by Float: -

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

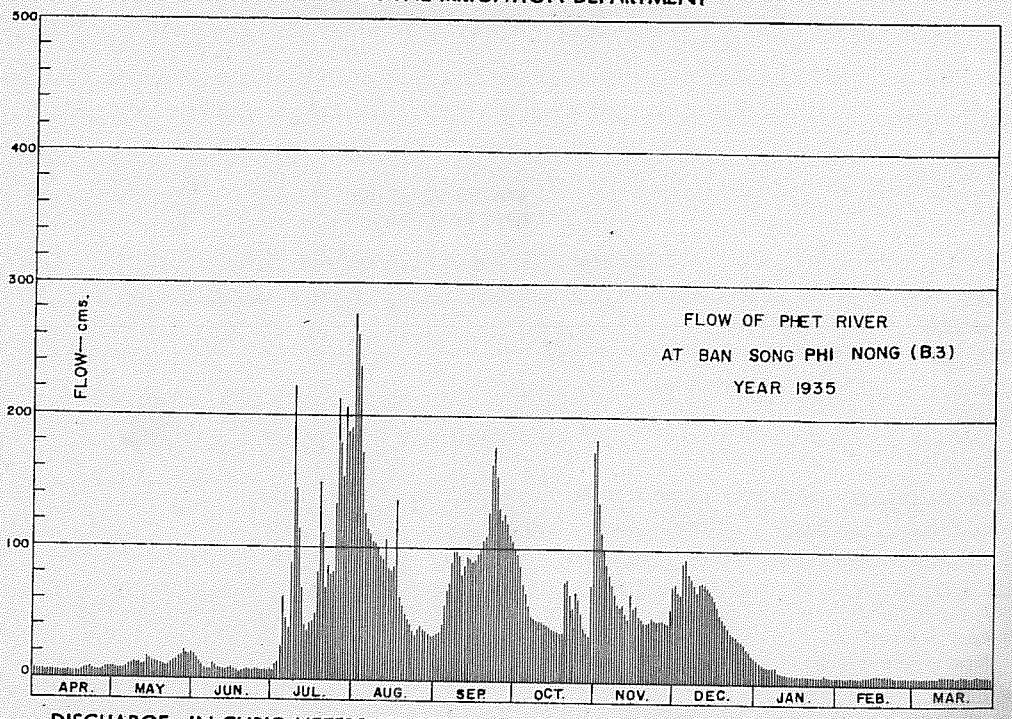
Overbank Flow Conditions: No overbank flow

General Description: Records fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1935 TO MARCH 31, 1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	40.08	40.15	40.40	40.11	43.47	40.69	41.50	42.41	41.18	40.38	40.04	40.05
2	.07	.14	.30	.30	.22	.70	.41	41.77	.10	.34	.03	.04
3	.06	.12	.26	.29	42.87	.79	.33	.66	.07	.31	.03	.04
4	.05	.09	.20	.49	.13	.92	.14	.47	.36	.29	.02	.03
5	.04	.11	.14	41.01	41.75	41.10	.06	.33	.41	.26	.01	.03
6	40.03	40.15	40.12	40.76	41.66	41.19	40.94	41.23	41.28	40.25	40.01	40.07
7	.01	.21	.11	.74	.59	.36	.88	.15	.21	.22	.02	.07
8	.01	.23	.26	41.01	.55	.47	.85	.03	.16	.29	.03	.06
9	.00	.27	.21	42.86	.54	.47	.84	40.98	.08	.17	.02	.05
10	39.99	.25	.17	41.74	.49	.40	.83	.96	.17	.16	.01	.07
11	39.98	40.23	40.15	41.60	41.43	41.21	40.82	40.91	41.19	40.14	40.03	40.08
12	.97	.20	.14	40.97	.36	.33	.80	.88	.17	.12	.05	.12
13	.96	.28	.12	.78	.57	.43	.79	.86	.15	.10	.07	.10
14	40.00	.36	.20	.68	.31	.39	.76	41.03	.11	.09	.09	.09
15	39.99	.30	.16	.80	.28	.37	.74	40.94	.06	.08	.11	.08
16	39.98	40.28	40.09	40.82	41.33	41.41	40.73	40.91	41.01	40.07	40.12	40.07
17	.97	.26	.07	.77	.90	.47	.71	.89	40.94	.06	.11	.05
18	.98	.25	.07	41.07	.05	.51	.70	.85	.89	.06	.11	.07
19	40.03	.23	.10	42.04	40.98	.58	.72	.83	.85	.08	.10	.10
20	.09	.20	.10	41.41	.90	.60	41.19	.82	.81	.07	.09	.09
21	40.13	40.19	40.12	41.04	40.84	41.82	41.20	40.84	40.77	40.06	40.08	40.08
22	.18	.23	.11	.33	.78	42.26	.01	.87	.73	.06	.07	.06
23	.10	.28	.10	.23	.72	.34	40.94	.85	.70	.04	.06	.06
24	.07	.33	.10	.09	.66	.02	41.09	.82	.67	.04	.06	.12
25	.06	.35	.10	.58	.73	41.79	40.98	.84	.64	.04	.04	.14
26	40.07	40.36	40.09	42.74	40.78	41.73	40.87	40.85	40.61	40.05	40.04	40.10
27	.09	.38	.12	.00	.75	.79	.76	.83	.58	.08	.03	.09
28	.15	.49	.12	.10	.72	.70	.70	.81	.55	.07	.03	.09
29	.18	.41	.11	.68	.69	.61	.66	.89	.49	.06	.05	.08
30	.15	.40	.12	.35	.67	.56	.60	41.15	.45	.05	-	.06
31	-	.42	-	.34	.67	-	42.31	-	.42	.05	-	.08
Mean	40.06	40.27	40.15	41.31	41.36	41.52	40.96	41.05	40.94	40.15	40.05	40.06
Max.	40.18	40.49	40.40	42.86	43.47	42.34	42.31	42.41	41.41	40.38	40.12	40.14
Min.	39.96	40.09	40.07	40.11	40.66	40.69	40.70	40.81	40.42	40.05	40.01	40.03

WATER YEAR 1935 : Max. 43.47 m. Min. 39.96 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1935 TO MARCH 31,1936

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	6.10	8.00	18	6.80	277	35	100	182	74	17	5.30	5.50
2	5.90	7.70	13	13	255	36	93	124	68	15	5.10	5.30
3	5.70	7.10	12	13	223	42	86	109	66	14	5.10	5.30
4	5.50	6.30	9.50	22	157	53	71	98	89	13	4.90	5.10
5	5.30	6.80	7.70	61	122	68	65	86	93	12	4.70	5.10
6	5.10	8.00	7.10	40	114	75	54	78	82	11	4.70	5.90
7	4.70	9.87	6.80	39	108	89	49	72	77	10	4.90	5.90
8	4.70	11	12	61	104	98	47	62	73	13	5.10	5.70
9	4.50	12	9.87	222	104	98	46	57	66	8.60	4.90	5.50
10	4.40	10	8.60	122	99	92	45	56	74	8.30	4.70	5.90
11	4.30	11	8.00	109	94	77	45	58	75	7.70	5.10	6.10
12	4.20	9.50	7.70	57	89	86	43	49	74	7.10	5.50	7.10
13	4.10	12	7.10	42	106	94	42	48	72	6.50	5.90	6.50
14	4.50	16	9.50	35	85	91	40	66	69	6.30	6.30	6.30
15	4.40	13	8.30	43	82	90	39	54	65	6.10	6.80	6.10
16	4.30	12	6.30	45	86	93	38	58	61	5.90	7.10	5.90
17	4.20	12	5.90	41	136	98	37	50	54	5.70	6.80	5.50
18	4.30	11	5.90	66	64	101	36	47	50	5.70	6.80	5.90
19	5.10	11	6.50	149	57	107	37	45	47	6.10	6.50	6.50
20	6.30	9.50	6.50	93	51	109	75	45	44	5.90	6.30	6.30
21	7.40	9.20	7.10	63	46	129	76	46	41	5.70	6.10	6.10
22	8.90	11	6.80	86	42	168	61	49	38	5.70	5.90	5.70
23	6.50	12	6.50	78	37	176	54	47	36	5.30	5.70	5.70
24	5.90	14	6.50	67	34	147	67	45	34	5.30	5.70	7.10
25	5.70	15	6.50	107	38	126	57	46	32	5.30	5.30	7.70
26	5.90	16	6.30	212	42	121	49	47	31	5.50	5.30	6.50
27	6.30	17	7.10	145	39	126	40	45	29	6.10	5.10	6.30
28	8.00	22	7.10	154	37	118	36	44	26	5.90	5.10	6.30
29	8.90	18	6.80	206	35	110	34	50	22	5.70	5.50	6.10
30	8.00	18	7.10	176	34	105	30	72	20	5.50		5.70
31		19		176	34		173		19	5.50		6.10
Total	169.10	375.97	244.07	2,749.80	2,831	2,958	1,765	1,935	1,701	246.40	162.20	186.70
Mean		12.1	8.13	88.7	91.3	98.6	56.9	64.5	54.8	7.94	5.59	6.02
Max.		22	18	222	277	176	173	182	93	17	7.10	7.70
Min.	4.10	6.30	5.90	6.80	34	35	36	44	19	5.50	4.70	5.10
Runoff - mcm.	14.610	32.483	21.087	237.582	244.598	255.571	152.496	167.184	146.966	21.288	14.014	16.130

WATER YEAR 1935 : Max. 277 Min. 4.10 Mean 41.8 Annual Runoff 1,324.014 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Aug. 1	06.00	43.57	286				

HYDROLOGY SECTION, SURVEY DIVISION
ROYAL IRRIGATION DEPARTMENT

WATER YEAR 1936
PHET RIVER BASIN

Phet 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, A. Ban Yang, Phetchaburi.

Drainage Area: 2,244 sq.km.

Type of Gage: Staff gage

Zero Gage: on top at + 44.08 m. (M.S.L.)

Bench Mark: -

Location: -

Elevation: -

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: 1930-42, 1954 to date

Rating Operation:

Period of Rating: 1954-59

Rated by Float: -

Rated by Current Meter: 1954-59

Stability of Channel Regimes: Stable, no shifting adjustment for flow computation for year without actual ratings.

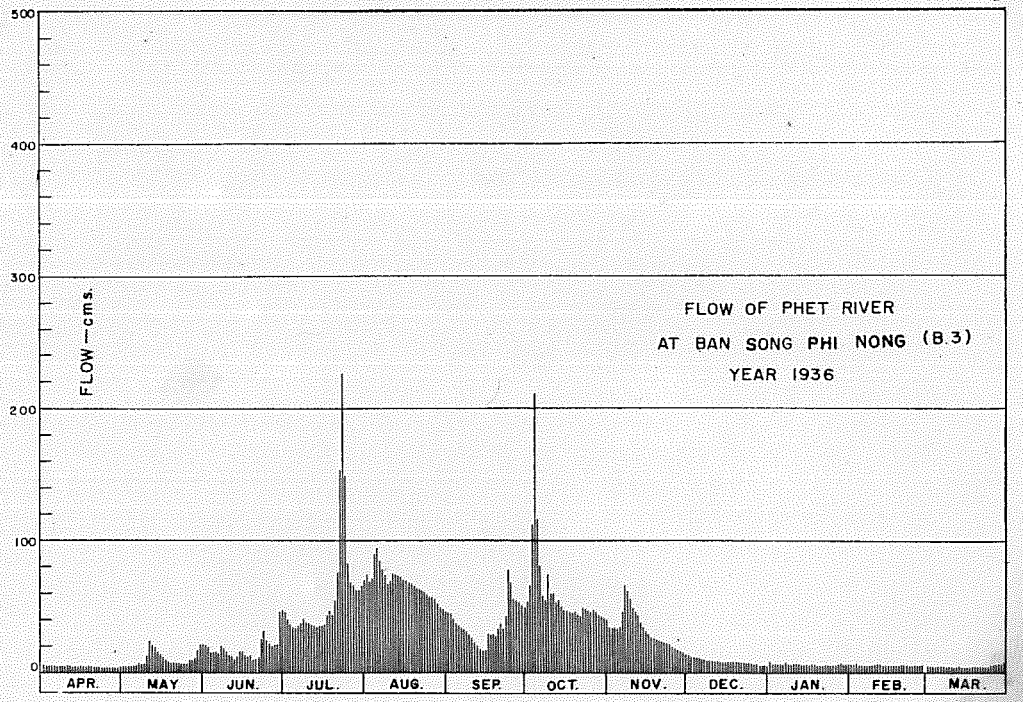
Overbank Flow Conditions: No overbsnk flow

General Description: Record fair. Stage-discharge relation used is defined by discharge measurements made during 1930-33 by Technical Division. No upstream state diversions except those built by local residents. No adjustment made for virgin flow.

GAGE HEIGHT IN METER (M.S.L.), WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	40.04	40.03	40.46	40.82	41.18	40.82	40.92	40.66	40.30	40.16	40.08	40.00
2	.03	.02	.39	.76	.10	.80	41.08	.65	.28	.11	.07	39.99
3	.02	.01	.33	.70	.07	.75	.09	.66	.27	.11	.08	.99
4	.01	.01	.36	.67	.36	.72	42.73	.65	.25	.10	.06	.98
5	.00	.02	.36	.65	.42	.69	41.48	.65	.23	.10	.06	.97
6	40.00	40.07	40.32	40.70	41.28	40.67	41.08	40.75	40.22	40.10	40.05	39.96
7	39.99	.12	.42	.71	.21	.63	40.97	41.08	.21	.13	.05	.95
8	.99	.10	.40	.77	.16	.61	.92	.01	.20	.09	.06	.95
9	.99	.10	.35	.73	.08	.56	41.18	40.89	.19	.09	.06	.95
10	40.01	.33	.30	.71	.13	.53	40.97	.86	.18	.08	.06	.94
11	40.00	40.51	40.25	40.70	41.19	40.49	41.00	40.82	40.18	40.08	40.08	39.94
12	.00	.45	.21	.68	.17	.45	40.91	.78	.17	.08	.07	.94
13	39.99	.40	.26	.67	.16	.41	.95	.70	.16	.07	.06	.96
14	.98	.34	.37	.69	.14	.36	.86	.67	.15	.07	.05	.95
15	.98	.29	.35	.68	.13	.32	.85	.61	.14	.06	.04	.94
16	39.97	40.25	~~40.29~~	~~40.69~~	41.11	40.60	40.85	40.58	40.15	40.06	40.06	39.94
~~17~~	~~.97~~	.21	.27	.79	.10	.59	.84	.55	.17	.09	.06	.96
18	.96	.17	.29	.84	.09	.58	.83	.54	.16	.08	.05	.94
19	.96	.15	.20	.79	.06	.56	.84	.53	.15	.07	.04	.93
20	.95	.14	.20	.92	.05	.69	.81	.51	.15	.06	.04	.92
21	39.94	40.14	40.20	41.09	41.03	40.72	40.79	40.50	40.13	40.06	40.04	39.92
22	.95	.12	.53	.90	.02	.64	.87	.49	.12	.05	.04	.93
23	.94	.10	.63	42.90	.00	.75	.86	.48	.12	.05	.03	.94
24	.94	.09	.54	41.82	40.99	41.22	.85	.46	.11	.06	.02	.93
25	.93	.10	.47	.14	.97	40.97	.84	.44	.10	.06	.02	.96
26	39.92	40.22	40.43	41.10	40.96	40.92	40.85	40.41	40.11	40.07	40.02	39.98
27	.94	.20	.46	.07	.93	.95	.83	.38	.10	.10	.01	40.05
28	.93	.23	.47	.02	.91	.92	.80	.37	.06	.09	.01	.07
29	.93	.36	.84	.02	.88	.90	.78	.34	.05	.09	-	.06
30	.94	.47	.86	.05	.86	.88	.77	.32	.04	.10	-	.08
31	-	.57	-	.10	.83	-	.76	-	.04	.09	-	.03
Mean	39.97	40.20	40.39	40.96	41.08	40.69	40.97	40.61	40.16	40.08	40.05	39.99
Max.	40.04	40.57	40.86	42.90	41.42	41.22	42.73	41.08	40.30	40.16	40.08	40.08
Min.	39.92	40.01	40.20	40.65	40.83	40.32	40.76	40.32	40.04	40.05	40.01	39.92

WATER YEAR 1936 : Max. 42.90 m. Min. 39.92 m.



DISCHARGE, IN CUBIC METERS PER SECOND, WATER YEAR APRIL 1, 1936 TO MARCH 31, 1937

Day	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	5.30	5.10	21	45	74	45	53	34	13	8.30	6.10	4.50
2	5.10	4.90	17	40	68	43	66	33	12	6.80	5.90	4.40
3	4.90	4.70	14	36	66	39	67	34	12	6.80	6.10	4.40
4	4.70	4.70	16	34	89	37	211	33	11	6.50	5.70	4.30
5	4.50	4.90	16	33	94	35	98	33	11	6.50	5.70	4.20
6	4.50	5.90	14	36	82	34	66	39	10	6.50	5.50	4.10
7	4.40	7.10	19	37	77	32	57	66	9.87	7.40	5.50	4.00
8	4.40	6.50	18	41	73	31	53	61	9.50	6.30	5.70	4.00
9	4.40	6.50	15	38	66	27	74	50	9.20	6.30	5.70	4.00
10	4.70	14	13	37	70	25	57	48	8.90	6.10	5.70	3.90
11	4.50	24	11	36	75	22	60	45	8.90	6.10	6.10	3.90
12	4.50	20	9.87	35	74	20	52	42	8.60	6.10	5.90	3.90
13	4.50	18	12	34	73	18	55	36	8.30	5.90	5.70	4.10
14	4.40	15	16	35	71	16	48	34	8.00	5.90	5.50	4.00
15	4.40	13	15	35	70	14	47	31	7.70	5.70	5.30	3.90
16	4.20	11	13	35	69	30	47	29	8.00	5.70	5.70	3.90
17	4.20	9.89	12	42	68	29	46	26	8.60	6.30	5.70	4.10
18	4.10	8.60	13	46	67	29	45	25	8.30	6.10	5.50	3.90
19	4.10	8.00	9.50	42	65	27	46	25	8.00	5.90	5.30	3.80
20	4.00	7.70	9.50	53	64	35	44	24	8.00	5.70	5.30	3.70
21	3.90	7.70	9.50	67	62	37	42	23	7.40	5.70	5.30	3.70
22	4.00	7.10	25	136	62	32	49	22	7.10	5.50	5.30	3.80
23	3.90	6.50	32	226	60	39	48	22	7.10	5.50	5.10	3.90
24	3.90	6.30	25	129	58	78	47	21	6.80	5.70	4.90	3.80
25	3.80	6.50	21	71	57	57	46	20	6.50	5.70	4.90	4.10
26	3.70	10	19	68	56	53	47	18	6.80	5.90	4.90	4.30
27	3.90	9.50	21	66	53	55	45	17	6.50	6.50	4.70	5.50
28	3.80	11	21	62	52	53	43	16	5.70	6.30	4.70	5.90
29	3.80	16	46	62	49	51	42	15	5.50	6.30		5.70
30	3.90	21	48	64	48	49	41	14	5.30	6.50		6.10
31		27		68	45		40		5.30	6.30		5.10
Total	128.30	328.07	551.37	1,789	2,057	1,092	1,782	936	258.87	192.80	153.40	132.90
Mean	4.27	10.6	18.4	57.7	66.3	36.4	54.4	31.2	8.35	6.22	5.48	4.29
Max.	5.30	27	32	226	94	78	211	66	13	8.30	6.10	5.50
Min.	3.70	4.70	9.50	33	45	14	40	14	5.30	5.50	4.70	3.70
Runoff - mcm.	11.085	28.345	47.638	154.569	177.379	94.348	153.964	80.870	22.366	16.657	13.260	11.482

WATER YEAR 1936 : Max. 226 Min. 3.70 Mean 25.7 Annual Runoff 812.307 mcm.

Momentary Peak Discharge

Date	Time	Gage-Height	Discharge	Date	Time	Gage-Height	Discharge
Oct. 4	18.00	43.13	247				