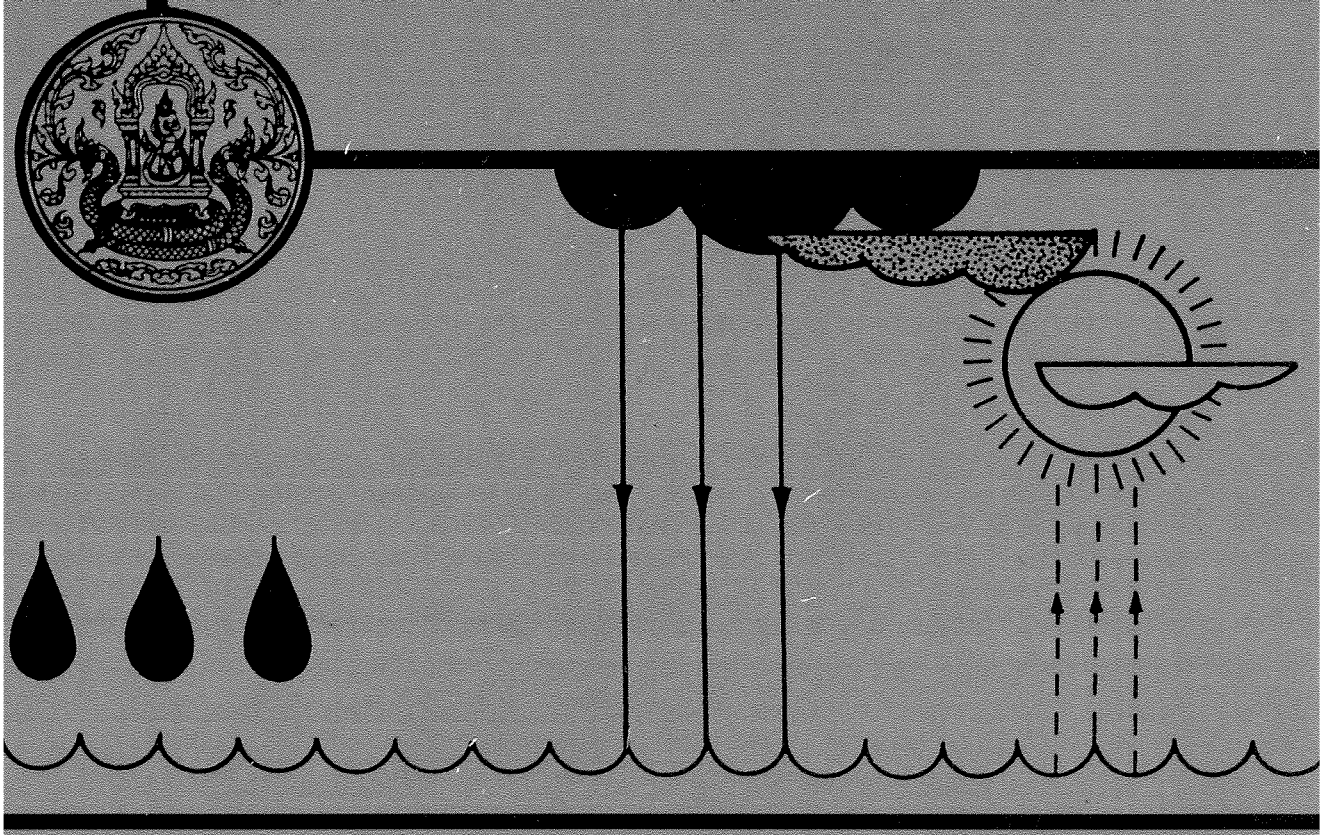
THAILAND
HYDROLOGICAL YEARBOOK

WATER YEAR 1979
VOLUME 22



ROYAL IRRIGATION DEPARTMENT
HYDROLOGY DIVISION
BANGKOK

FOREWORD

The programme of yearbook publications was initiated in 1966 Great efforts have been made in editing as well as the setting up of standard for yearbook publication. The previously processed data have been reviewed and arranged in serial order or volumes to be published. The first issue was published in 1968 as Volume 8. It presents records, during the 1965 water year, of stage and discharge of 59 streams at 86 actual streamflow calibrating sites and at 27 previously calibrated ones. Up till now 21 volumes of yearbooks presenting streamflow data as early as 1912 up to 1978 totalling 3,614 station-years of record had been published.

This Volume 22 which is the twenty-second issue of the series, was prepared by the Data Processing Section. It presents records, during the 1979 water year, of stage and discharge of 155 streams at 169 currently calibrating sites and at 68 previously or subsequently calibrating ones.

Some remarks are made under each station description.

Hydrology Division

July 1981

ACKNOWLEDGEMENT

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

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

We also wish to express our sincere appreciation to the Chief of Public Relation and Printing Services Section, Program Coordination and Budget Division, and his efficient staff whose kind assistance and co-ordinated effort have contributed to the success of this Volume 22 issue.

Hydrology Division

CONTENTS

Page

FOREWORD III

ACKNOWLEDGEMENTS IV

CONTENTS V

ILLUSTRATION OF STREAM GAGING ACTIVITIES

HYDROLOGICAL YEARBOOK PUBLICATION XIII

Introduction XIII
Definition of terms and abbreviations XIII
Order of Listing of gaging data XIV
Series of yearbook publications XIV

STANDARD OF STREAMFLOW DATA PROCUREMENT XVI

Network design XVI
Field work XVI
Office data processing XVII
Future plan of computerization XIX
Organization XIX

PARTICIPATION IN STREAM GAGING WORKS XXI

UNITS OF MEASURE AND CONVERSION FACTORS XXII

STREAM GAGING DATA 1

PING RIVER BASIN

1. Ping River at Chiang Mai, Chiang Mai (P. 1) 2
2. Ping River at Tak, Tak (P. 2A) 4
3. Mae Taeng River at Mae Taeng, Chiang Mai (P. 4A) 6
4. Mae Kuang River at Lamphun, Lamphun (P. 5) 8
5. Ping River at Kamphaeng Phet, Kamphaeng Phet (P. 7A) 10
6. Ping River at Wang Kra Chao, Tak (P. 12) 12
7. Mae Taeng River at Ban Muang Kut, Chiang Mai (P. 13) 14
8. Mae Chaem at Kaeng Ob Luang, Chiang Mai (P. 14) 16
9. Ping River at Khlong Khlung, Kamphaeng Phet (P. 15) 18
10. Ping River at Khanu Woralaksaburi, Kamphaeng Phet (P. 16) 20
11. Ping River at Banphot Phisai, Nakhon Sawan (P. 17) 22
12. Ping River at Ban Tha Sala, Chiang Mai (P. 19A) 24
13. Ping River at Chiang Dao, Chiang Mai (P. 20) 26

Page

14. Mae Rim near Mae Rim, Chiang Mai (P. 21) 28
15. Mae Khan River at Ban Mae Khan, Chiang Mai (P. 23) 30
16. Mae Klang River at Chom Thong, Chiang Mai (P. 24A) 32
17. Mae Klang River at Ban Muang Klang, Chiang Mai (P. 24B) 34
18. Mae Klang River at Ban Muang Klang, Chiang Mai (P. 24C) 36
19. Khlong Suan Mak at Ban Mai, Kamphaeng Phet (P. 26A) 38
20. Huai Mae Nai at Ban Mae Nai, Chiang Mai (P. 27A). 40
21. Mae Ngat River at Ban Mai, Chiang Mai (P. 28) 42
22. Mae Li River at Ban Hong, Lamphun (P. 29) 44
23. Mae Kuang River at Ban Kiang Kha Mai, Chiang Mai (P. 30) 46
24. Huai Mae Raka at Ban Khlong Pradu, Tak (P. 32) 48
25. Mae Kuang River at Ban Pha Taek, Chiang Mai (P. 34) 50
26. Khlong Khlung at Ban Pang Wai, Kamphaeng Phet (P. 35) 52
27. Nam Mae Lai at Ban Huai Kaeo, Chiang Mai (P. 36) 54
28. Huai Mae Phaem at Ban Huai Kaeo, Chiang Mai (P. 37) 56
29. Nam Mae San at Ban Cham Khi Mot, Lamphun (P. 38) 58
30. Mae Wang River at Ban Pang Taem, Chiang Mai (P. 41) 60
31. Mae Li River at Ban Mae Bon Mai, Lamphun (P. 42) 62

WANG RIVER BASIN

32. Wang River at Lampang, Lampang (W. 1A) 64
33. Wang River at Ban Don Chai, Lampang (W. 3A) 66
34. Wang River at Ban Wang Man, Tak (W. 4A) 68
35. Wang River at Kiu Lom, Lampang (W. 10A) 70
36. Mae Tui River at Ban Pa Kluai, Lampang (W. 14) 72
37. Mae Chang River at Ban Sop Po, Lampang (W. 15A) 74
38. Wang River at Ban Hai, Lampang (W. 16) 76

YOM RIVER BASIN

39. Yom River at Ban Nam Khong, Phrae (Y. 1C) 78
40. Yom River at Sawankhalok, Sukhothai (Y. 3A) 80
41. Yom River at Sukhothai, Sukhothai (Y. 4) 82
42. Yom River at Ban Kaeng Luang, Sukhothai (Y. 6) 84
43. Mae Ngao River at Ngao, Lampang (Y. 13) 86
44. Yom River at Ban Don Rabiang, Sukhothai (Y. 14) 88
45. Yom River at Sam Ngam, Phichit (Y. 17) 90
46. Nam Ngim at Ban Hae, Phayao (Y. 19) 92
47. Yom River at Ban Ngao Sak, Phrae (Y. 20) 94
48. Nam Pi at Ban Mang, Phayao (Y. 24) 96
49. Huai Mae Mok at Ban Mae Phu, Lampang (Y. 26) 98

NAN RIVER BASIN

50. Nan River at Nan, Nan (N. 1) 100

Page

51. Nan River at Uttaradit, Uttaradit (N. 2B) 102
52. Nan River at Phichai, Uttaradit (N. 4A). 104
53. Nan River at Phitsanulok, Phitsanulok (N. 5A) 106
54. Nan River at Phichit, Phichit (N. 7) 108
55. Nan River at Bang Mun Nak, Phichit (N. 8) 110
56. Nan River at Taphan Hin, Phichit (N. 10A) 112
57. Nan River at Ban Hat Phai, Uttaradit (N. 12A) 114
58. Nan River at Chum Saeng, Nakhon Sawan (N. 14A) 116
59. NanRiver at Ban Mon, Nan (N. 17) 118
60. Khwae Noi at Ban Yang, Phitsanulok (N. 22) 120
61. Nan River at Ban Phra Fang, Uttaradit (N. 23) 122
62. Khek River at Ban Wang Nok, Phitsanulok (N. 24) 124
63. Nan River at Tron, Uttaradit (N. 26) 126
64. Nan River at Phrom Phiram, Phitsanulok (N. 27) 128
65. Khlong Tron at Ban Nam Lai, Uttaradit (N. 28) 130
66. Khlong Tron at Ban Na Klam, Uttaradit (N. 28A) 132
67. Lam Nam Than at Ban Phrao, Phitsanulok (N. 29) 134
68. Nam Pat at Ban Wang Bang, Uttaradit (N. 33). 136
69. Nan River at Kaeng Sarang, Nan (N. 35) 138
70. Khwae Noi at Ban Nong Krathao, Phitsanulok (N. 36) 140
71. Nan River at Ban Thap Krit, Nakhon Sawan (N. 37) 142
72. Khwae Noi at Ban Nong Bon, Phitsanulok (N. 40) 144
73. Nam Wa at Ban Hat Khao San, Nan (N. 42) 146
74. Nam Hao at Ban Na Phuak, Nan (N. 44) 148
75. Nam Pua at Ban Na Kham, Nan (N. 45). 150
76. Nam Khun at Ban Hua Nam, Nan (N. 47) 152
77. Huai Hat at Ban Thung Noi, Nan (N. 48) 154
78. Nam Yao at Ban Nam Yao, Nan (N. 49) 156
79. Nam Pua at Ban Rong, Nan (N. 50) 158
80. Huai Nam Yao at Ban Wang Hit, Nan (N. 51). 160
81. Khlong Butsabong at Ban Huai Tum, Phetchaboon (N. 53) 162

CHAO PHRAYA RIVER

82. Chao Phraya River at Nakhon Sawan, Nakhon Sawan (C. 2) 164
83. Chao Phraya River at Ban Bang Kaeo, Ang Thong (C. 7A) 166
84. Chao Phraya River at Ban Re Rai, Chai Nat (C. 13) 168
85. Chao Phraya River at Ban Kum, Phra Nakhon Si Ayutthaya (C. 15) .. 170
86. Khlong Bang Kaeo at Ban It, Ang Thong (C. 28) 172

SAKAE KRANG RIVER BASIN

87. Nam Wang Ma at Ban San Chao Kai To, Nakhon Sawan (Ct. 4) 174
88. Mae Wong at Ban Pang Makha, Kamphaeng Phet (Ct. 5A) 176
89. Khlong Pho at Ban Hang Rai, Nakhon Sawan (Ct. 7) 178
90. Huai Thap Salao at Ban Bung Ai Chiam, Uthai Thani (Ct. 9) 180

Page

PASAK RIVER BASIN

91. Pa Sak River at Phetchabun, Phetchabun (S. 4B) 182
92. Lam Muak Lek at Muak Lek, Saraburi (S. 7) 184
93. Pa Sak River at Ban Muang Nua, Saraburi (S. 9) 186
94. Nam Phung at Ban Nam Khop, Phetchabun (S. 10) 188
95. Lam Kong at Ban Wang Tha Di, Phetchabun (S. 12) 190
96. Lam Sonthi at Ban Tha Yiam, Lop Buri (S. 13).. 192
97. Huai Wang Chomphu at Ban Wang Chomphu, Phetchabun (S. 15).. .. 194
98. Huai Na at Ban Huai Na, Phetchabun (S. 16).. 196
99. Huai Nam Chum at Ban Wang Bon, Phetchabun (S. 17) 198

SALAWIN RIVER BASIN

100. Huai Mae Lamao at Ban Ko Ko, Tak (Sw. 1) 200
101. Huai Mae Lamao at Ban Mae Lamao, Tak (Sw. 6) 202

MAE KOK RIVER BASIN

102. Mae Kok River at Chiang Rai, Chiang Rai (G. 2A) 204

MAE KHONG RIVER BASIN

103. Huai Mong at Ban Na Aug, Udon Thani (Kh. 18) 206
104. Nam Phung at Ban Tao Ngoi, Sakhon Nakhon (Kh. 21B) 208
105. Nam Loei at Ban Sai Khao, Loei (Kh. 43) 210
106. Nam Loei near Ban Sai Khao, Loei (Kh. 43A) 212
107. Huai Luang at Nong Wua So, Udon Thani (Kh. 53) 214
108. Huai Nam Man at Ban Pong Bia, Loei (Kh. 57) 216

CHI RIVER BASIN

109. ChiRiver at Kosum Phisai, Maha Sarakham (E. 1) 218
110. Chi River at Yasothon, Yasothon (E. 2).. 220
111. ChiRiver at Ban Non Puai, Chaiyaphum (E. 5) 222
112. Huai Tat Ton at Ban Tat Ton, Chaiyaphum (E. 6C) 224
113. ChiRiver at Ban Tha Khon Yang, Maha Sarakham (E. 8A) 226
114. Chi River at Ban Tha Nang Luan, Khon Kaen (E. 9) 228
115. Chi River at Ban Tha Phra, Khon Kaen (E. 16A) 230
116. ChiRiver at Ban Tha Sabaeng, Roi Et (E. 18) 232
117. Chi River at Maha Chana Chai, Yasothon (E. 20A) 234
118. ChiRiver at Ban Kaeng Ko, Chaiyaphum (E. 21) 236
119. Nam Phong at Ban Nong Wai, Khon Kaen (E. 22A) 238
120. Chi River at Ban Khai, Chaiyaphum (E. 23) 240
121. Lam Phan at Ban Hua Khua, Kalasin (E. 26) 242
122. Nam Phong at Ban Pha Nok Khao, Loei (E. 29) 244

Page

123. Chi River at Ban Nong O, Chaiyaphum (E. 32A) 246
124. Nam Yang at Ban Nong Saeng Thung, RoiEt (E. 33A) 248
125. Lam Pao at Ban Nong Song Hong, Kalasin (E. 34) 250
126. Huai Prong Khun Phet at Ban Thap Nai, Chaiyaphum (E. 35A) 252
127. Lam Krachuan at BanTha Bon, Chaiyaphum (E. 36A) 254
128. Lam Choen at Ban Don Han, Khon Kaen (E. 38) 256
129. Huai Chi Long at Ban Kut Yang, Chaiyaphum (E. 49) 258
130. Nam Yang at Ban Kaeng Yao, Kalasin (E. 54) 260
131. Lam Khan Chu at Ban Kok Phangat, Chaiyaphum (E. 60) 262
132. Lam Phaniang at Ban Na Klang, Udon Thani (E. 64).. 264

MUN RIVER BASIN

133. Mun River at Ban Ta Kut Khon, Nakhon Ratchasima (M. 2) 266
134. Mun River at Rasi Salai, Si Sa Ket (M. 5) 268
135. Mun River at Satuk, Buri Ram (M. 6A) 270
136. Mun River at Ubon Ratchathani, Ubon Ratchathani (M. 7).. 272
137. Lam Plai Mat at Lam Plai Mat, Buri Ram (M. 8) 274
138. Huai Samran at Si Sa Ket, Si Sa Ket (M. 9) 276
139. Lam Chi at Ban Lam Chi, Surin (M. 26).. 278
140. Lam Se Bai at Ban Nong Bua, Yasothon (M. 32) 280
141. Lam Sieo Noi at Ban Yang Loeng, Roi Et (M. 35) 282
142. Lam Takhong at Ban Khlong Phai, Nakhon Ratchasima (M. 38C).. .. 284
143. Lam Sieo Yai at Kaset Wisai, Roi Et (M. 41) 286
144. Huai Thap Than at Ban Huai Thap Than, Si Sa Ket (M. 42) 288
145. Lam Takhong at Ban Mu Si, Nakhon Ratchasima (M. 43) 290
146. Mun River at Ban Chorakhe Hin, Nakhon Ratchasima (M. 49) 292
147. Mun River at Ban Na, Nakhon Ratchasima (M. 49B) 294
148. Lam Sae at Khon Buri, Nakhon Ratchasima (M. 50) 296
149. Huai Khayung at Ban Nam Om, Si Sa Ket (M. 66) 298
150. Lam Se Bok at Ban Tha Bo Baeng, Ubon Ratchathani (M. 69) 300
151. Huai Kwang at Ban Kaeng Yang, Ubon Ratchathani (M. 75) 302
152. Lam Dom Yai at Det Udom, Ubon Ratchathani (M. 80) 304
153. Lam Sae at Ban Map Krat, Nakhon Ratchasima (M. 81A) 306
154. Lam Chi at Ban Charok Yai, Buri Ram (M. 85) 308
155. Lam Takhong at Pak Chong, Nakhon Ratchasima (M. 89) 310
156. Lam Phang Chu at Ban Hua Saphan, Buri Ram (M. 92) 312
157. Huai Seo at Ban Pan Ro, Buri Ram (M. 93) 314
158. Huai Tha at Ban Alang, Si Sa Ket (M. 98) 316
159. Huai Saneng at Ban Bu Chek, Surin (M. 100) 318

TONLE SAP BASIN

160. Huai Phrom Hot at Ban Dan, Prachin Buri (TL. 1) 320

NAKHON NAYOK RIVER BASIN

Page

161. Nakhon Nayok River at Ban Khao Kariang, Nakhon Nayok (Ny. 1B) .. 322
162. Khlong Ban Na at Ban Pa Kha, Nakhon Nayok (Ny. 3) 324

PRACHIN RIVER BASIN

163. Prachin River at Kabin Buri, Prachin Buri (Kgt. 3) 326
164. Prachin River at Si Maha Phot, Prachin Buri (Kgt. 6) 328
165. Khlong Phra Sathung at Ban Khao Chakan, Prachin Buri (Kgt. 9) .. 330
166. Khlong Phra Sathung at Ban Wang Khian, Prachin Buri (Kgt. 10) .. 332
167. Khlong Phra Prong at Ban Kaeng, Prachin Buri (Kgt. 12) 334
168. Khlong Phra Prong at Ban Nang Leng, Prachin Buri (Kgt. 13) 336
169. Huai Yang at Ban Thung Faek, Prachin Buri (Kgt. 14) 338
170. Huai Samong at Ban Kaeng Din So, Prachin Buri (Kgt. 15A) 340
171. Khlong Si Yat at Ban Tha Kloi, Chachoengsao (Kgt. 18) 342
172. Khlong Luang at Ban Mai, Chon Buri (Kgt. 19) 344
173. Prachin River at BanSang, Prachin Buri (Kgt. 22) 346
174. Prachantakham River at Ban Takhro, Prachin Buri (Kgt. 24) 348
175. Khlong Rabom at Ban Cham Pa Ngam, Chachoengsao (Kgt. 25) 350

RAYONG RIVER BASIN

176. Khlong Nong Pla Lai at Ban Nong Mapring, Rayong (Z. 4) 352
177. Khlong Prasae at Ban Yang Ngam, Rayong (Z. 5) 354
178. Khlong Ta Not at Ban Thap Chum, Chanthaburi (Z. 7) 356
179. Chanthaburi River at Ban Puk, Chanthaburi (Z. 13) 358
180. Khlong Yai at Ban Pak Phraek, Rayong (Z. 15) 360
181. Khlong Ra-ok at Ban Ra-ok, Rayong (Z. 16) 362

MAE KLONG RIVER BASIN

182. Khwae Noi at Ban Lum Sum, Kanchanaburi (K. 10) 364
183. Mae Klong River at Ban Wang Khanai, Kanchanaburi (K. 11) 366
184. Lam Taphoen at Ban Thung Na Nang Rok, Kanchanaburi (K. 12) .. 368
185. Khwae Noi at BanTha Khanun, Kanchanaburi (K. 13) 370
186. Lam Phachi at Ban Bo, Ratchaburi (K. 17) 372
187. Huai Mae Nam Noi at Tha Thung Na, Kanchanaburi (K. 22A) 374
188. Lam Taphoen at Ban Wang Yai, Kanchanaburi (K. 27) 376
189. Huai Samnak Mai Teng at Ban Nam Phu, Ratchaburi (K. 28) 378

PHET RIVER BASIN

190. Phet River at Ban Rai Phaniat, Phetchaburi (B. 1A) 380
191. Phet River at Ban Tha Sik, Phetchaburi (B. 2A) 382
192. Phet River at Ban Song Phi Nong, Phetchaburi (B. 3) 384
193. Phet River at Ban Wang Won, Phetchaburi (B. 5) 386
194. Huai Mae Prachan at Ban Sa Yai Non, Phetchaburi (B. 6) 388

Page

195. Huai Mae Prachan at Ban Nong Bua, Phetchaburi (B. 7) 390
196. Huai Phak at Ban Kariang, Phetchaburi (B. 8) 392

PRAN RIVER BASIN

197. Pran River at Pran Buri Damsite, Prachuap Khiri Khan (Pr. 3A) 394

TRIBUTARIES TO THE GULF OF THAILAND

198. Khlong Kui at Ban Pong Kasang, Prachuap Khiri Khan (Ky. 2) 396
199. Khlong Bung at Ban Wang Sai Ding, Prachuap Khiri Khan (Gt. 5) 398
200. Huai Yang Khwang at Ban Rai Nai, Prachuap Khiri Khan (Gt. 6) 400

SOUTHERN PENINSULA EAST COAST

201. Khlong Rap Ro at Ban Tha Kham, Chumphon (X. 46A) 402
202. Khlong Chumphon at Ban Siap Yuan, Chumphon (S. 53) 404
203. Khlong Tha Sae at Tha Sae, Chumphon (X. 64) 406
204. Tapi River at Phrasaeng, Surat Thani (X. 37A) 408
205. Phum Duang River at BanTa Khun, Surat Thani (X. 38A) 410
206. Khlong Saeng at Ban Khao Phang, Surat Thani (X. 39) 412
207. Khlong Chong Lom at Ban Chong Lom, Surat Thani (X. 57) 414
208. Khlong Sok at Ban Lang Tham, Surat Thani (X. 58) 416
209. Khlong Yan at Ban Takuk Nua, Surat Thani (X. 66) 418
210. Khlong Yan at Ban Nam Hak, Surat Thani (X. 92) 420
211. Khlong Tan at Wiang Sa, Surat Thani (X. 99) 422
212. Khlong Takhian at Ban Rim Khlong, Surat Thani (X. 103) 424
213. Khlong Tha Krachai at BanSamo Thong, Surat Thani (X. 104) 426
214. Khlong Chaiya at Ban Muang, Surat Thani (X. 106) 428
215. Khlong Tha Di at Ban Na Kam, Nakhon Si Thammarat (X. 55) 430
216. Khlong Ban Tan at Ban Wang Kong, Nakhon Si Thammarat (X. 70) .. 432
217. Khlong Tha Thon at Ban Nam Cha, Nakhon Si Thammarat (X. 101) .. 434
218. Khlong Sang at Ban Thang Kham, Nakhon Si Thammarat (X. 102A) .. 436
219. Khlong Mai Siap at Ban Mai Siap, Nakhon Si Thammarat (X. 105) .. 438
220. Khlong Tha Khae at Ban Tha Khae, Patthalung (X. 68) 440
221. Khlong Bang Kheo at Ban Khuan In No Mo, Patthalung (X. 109) 442
222. Khlong Na Thawi at Ban Pa Kan, Songkhla (X. 42) 444
223. Khlong U Taphao at Hat Yai, Songkhla (X. 44) 446
224. Khlong Rattaphum at Ban Kamphaeng Phet, Songkhla (X. 67) 448
225. Khlong Phru Pho at Ban Phru Pho, Songkhla (X. 69) 450
226. Khlong Tam at Khuan Lang, Songkhla (X. 71) 452
227. Khlong U Taphao at Ban Bang Sala, Songkhla (X. 90) 454
228. Khlong Sadao at Ban Phrai, Songkhla (X. 111) 456
229. Khlong Lam at Ban Prik, Songkhla (X. 112) 458
230. Khlong Lam at Ban Thung Prap, Songkhla (X. 113) 460
231. Pattani River at Yala, Yala (X. 40) 462

Page

232. Khlong Yaha at Ban La Ae, Yala (X. 72) 464

SOUTHERN PENINSULA WEST COAST

233. Khlong Ao Yon at Ban Ao Yon, Phuket (X. 97) 466
234. Trang River at Ban Tha Pradu, Trang (X. 56) 468
235. Khlong Chi at Ban Khlong Chi, Trang (X. 107) 470
236. Khlong Kalase Yai at Ban Rom Muang, Trang (X. 108) 472
237. Khlong Lamphu Ra at Ban Thung Ngiu, Trang (X. 110) 474

LOCATION MAP OF HYDROLOGIC OBSERVATION STATION IN 1979 WATER YEAR

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

ILLUSSTRATION OF STREAM GAGING ACTIVITIES

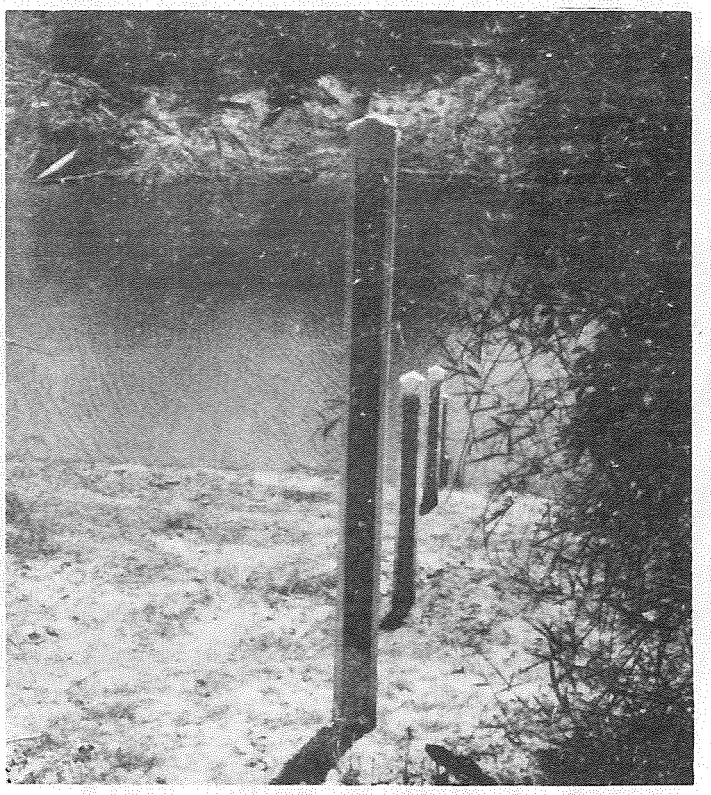


Fig. 1 Typical vertical staff gage

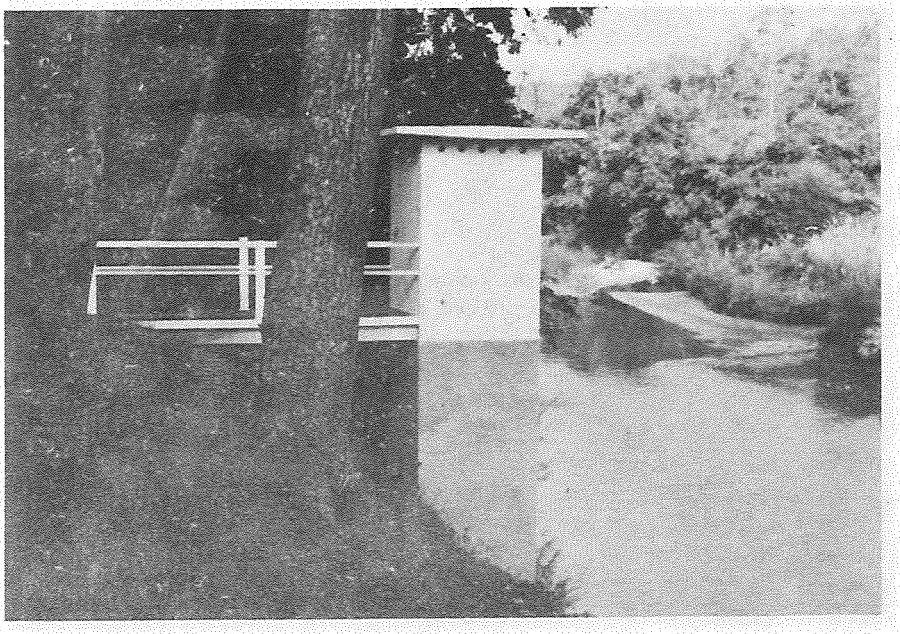


Fig. 2 Recording gage



Fig.3 Standard bench mark



Fig.4 Close-up of rating operation

HYDROLOGICAL YEAR BOOK PUBLICATION

* * * * * * * *

Introduction

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

Definition of terms and abbreviations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Order of listing of gaging data

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

Series of yearbook publications

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

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

Volume	Water Years	No. of station-years	Date of issuance
6	1960-1962	213	October 1973
7	1963-1964	182	July 1969
8	1965	113	May 1967
9	1966	129	June 1975
10	1967	172	September 1976
11	1968	187	September 1976
12	1969	182	March 1979
13	1970	182	March 1979
14	1971	182	June 1979
15	1972	184	October 1979
16	1973	187	January 1980
17	1974	191	May 1980
18	1975	182	August 1980
19	1976	184	November 1980
20	1977	192	February 1981
21	1978	210	-
22	1979	237	July 1981

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

STANDARD OF STREAMFLOW DATA PROCUREMENT

* * * * * * * *

Network design

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

(a) Accessibility.

(b) Geographical location.

(c) Mean annual rainfall.

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

(e) Basin soil type.

(f) Type of surface rock.

Field work

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

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

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

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

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

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

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

Office data processing

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

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

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

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

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

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

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

flow computation, are practically made.

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

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

Review of procedure for streamflow data processing.

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

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

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

b) Discrepancies of recording charts, if any.

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

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

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

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

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

4) Checking stability of rating curve used.

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

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

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

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

Classification of streamflow data

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

Future plan for computerization

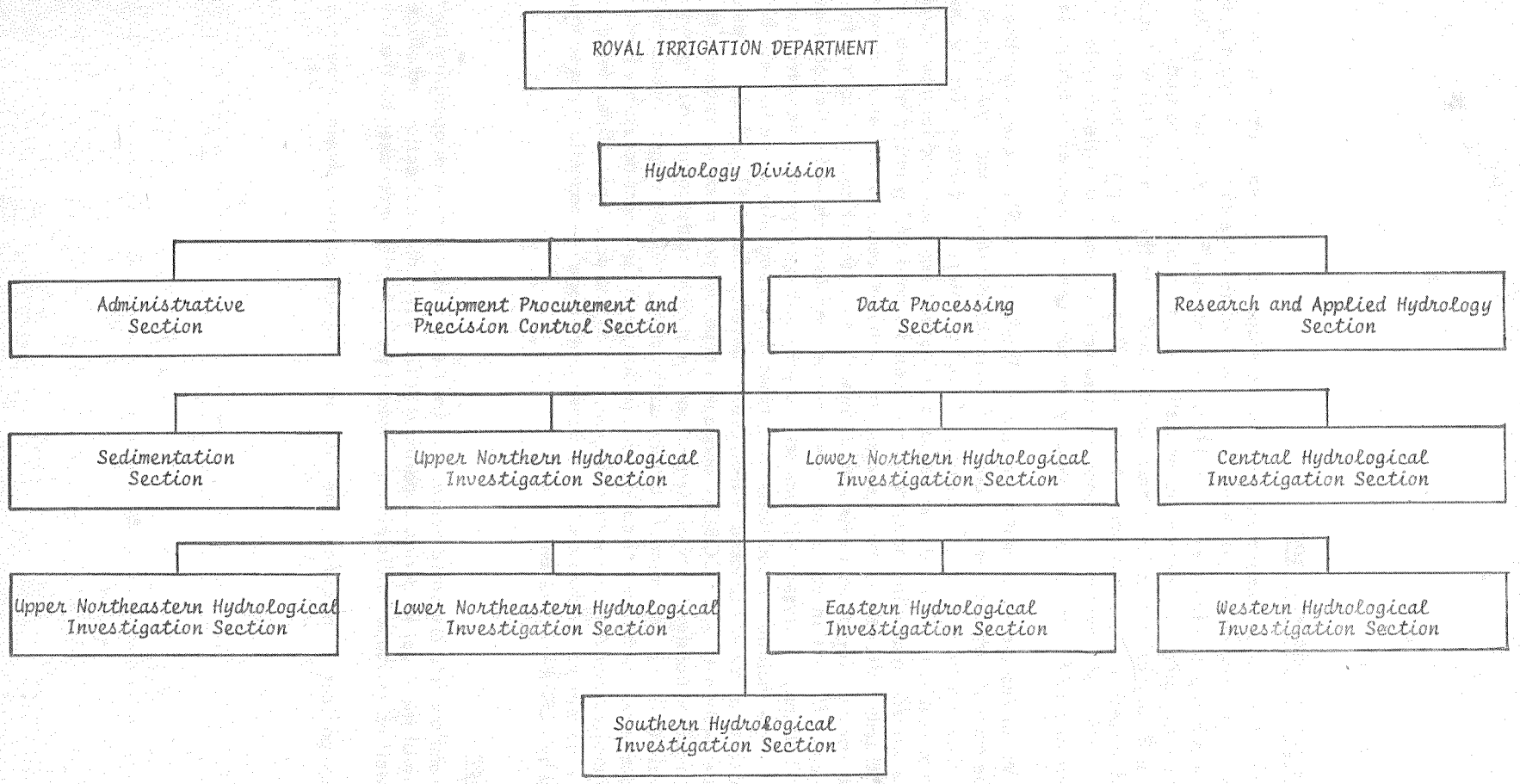
The Royal Irrigation Department (RID) has developed data system which includes computerization of storage, processing and retrieval of rainfall data since 1969. During the streamflow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement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

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

Organization

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

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


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

PARTICIPATION IN STREAM GAGING WORKS

* * * * * * * *

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

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

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

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

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

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

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

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

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

UNITS OF MEASURE AND CONVERSION FACTORS

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

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

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

* * * * * * * * *

Stream Gaging Data

Water Year 1979

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 18°47'09" N., LONG. 99°00'29" E., ON LEFT BANK ABOUT 100 METERS DOWNSTREAM FROM NAWARAT BRIDGE, AMPHOE MUANG, CHIANG MAI.

DRAINAGE AREA — 6,355 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +300.80 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +305.31 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1917 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1954-1960, 1967 TO DATE.

RATED BY FLOAT — 1936-1938

RATED BY CURRENT METER — 1954-1960, 1967 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1979. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 11,200 HECTARES AT MAE FAEK WEIR.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

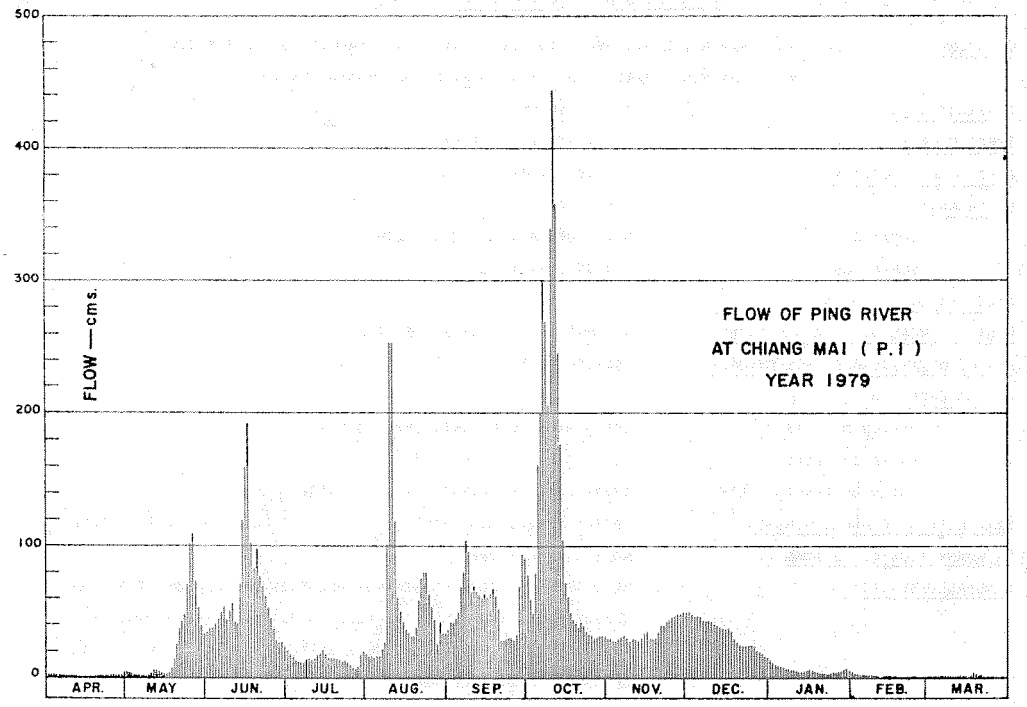
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	300.88	300.98	301.48	301.31	301.26	301.50	301.80	301.42	301.59	301.22	301.02	300.83	
2	300.88	300.95	301.49	301.29	301.27	301.53	301.69	301.42	301.59	301.19	300.97	300.83	
3	300.88	300.93	301.49	301.25	301.27	301.52	301.59	301.41	301.57	301.14	300.95	300.83	
4	300.86	300.85	301.50	301.22	301.25	301.55	301.74	301.40	301.56	301.13	300.95	300.83	
5	300.86	300.83	301.53	301.21	301.26	301.64	302.18	301.41	301.56	301.12	300.95	300.83	
6	300.84	300.83	301.58	301.17	301.27	301.71	302.32	301.43	301.55	301.10	300.93	300.83	
7	300.84	300.83	301.61	301.16	301.38	301.80	302.92	301.44	301.53	301.09	300.92	300.83	
8	300.84	300.83	301.54	301.19	301.83	301.91	302.61	301.43	301.53	301.07	300.92	300.82	
9	300.84	300.83	301.59	301.23	302.61	301.84	302.35	301.40	301.53	301.06	300.91	300.82	
10	300.83	300.88	301.63	301.22	302.60	301.69	303.23	301.42	301.52	301.05	300.90	300.82	
11	300.83	300.98	301.53	301.20	301.91	301.59	303.74	301.42	301.51	301.02	300.90	300.82	
12	300.82	301.05	301.51	301.23	301.68	301.53	303.07	301.42	301.50	301.02	300.90	300.82	
13	300.82	301.03	301.55	301.26	301.64	301.50	302.40	301.41	301.49	301.03	300.89	300.83	
14	300.82	300.97	301.98	301.31	301.57	301.52	302.03	301.44	301.48	301.00	300.90	300.83	
15	300.81	300.91	302.15	301.32	301.50	301.53	301.88	301.46	301.48	301.01	300.91	300.83	
16	300.81	300.91	302.30	301.28	301.47	301.50	301.72	301.46	301.48	301.04	300.94	300.83	
17	300.84	300.92	302.00	301.24	301.45	301.54	301.64	301.42	301.48	301.04	300.96	300.85	
18	300.84	300.98	301.83	301.22	301.44	301.57	301.58	301.42	301.45	301.01	300.93	300.94	
19	300.84	301.11	301.78	301.23	301.44	301.50	301.54	301.42	301.41	301.00	300.91	300.94	
20	300.84	301.30	301.88	301.23	301.51	301.43	301.52	301.45	301.40	300.99	300.90	300.93	
21	300.84	301.49	301.76	301.22	301.74	301.40	301.49	301.50	301.37	300.99	300.88	300.90	
22	300.84	301.54	301.70	301.20	301.78	301.40	301.51	301.50	301.36	300.97	300.87	300.84	
23	300.83	301.57	301.68	301.19	301.78	301.42	301.49	301.52	301.36	300.96	300.85	300.83	
24	300.83	301.72	301.63	301.21	301.75	301.43	301.46	301.54	301.36	300.96	300.84	300.83	
25	300.83	301.90	301.55	301.16	301.64	301.43	301.45	301.54	301.36	300.97	300.84	300.83	
26	300.82	301.94	301.48	301.11	301.57	301.41	301.43	301.55	301.36	300.98	300.84	300.83	
27	300.81	301.80	301.42	301.08	301.51	301.44	301.42	301.57	301.32	301.01	300.84	300.83	
28	300.81	301.64	301.38	301.08	301.36	301.61	301.42	301.58	301.30	301.01	300.84	300.84	
29	300.84	301.53	301.39	301.20	301.52	301.85	301.44	301.58	301.28	301.03	300.84	300.84	
30	300.95	301.48	301.34	301.31	301.45	301.84	301.44	301.59	301.27	301.07		300.84	
31		301.45		301.29	301.45		301.44		301.25	301.07		300.84	
MEAN	300.84	301.19	301.64	301.22	301.59	301.57	301.92	301.47	301.44	301.04	300.90	300.84	
MAX	300.95	301.94	302.30	301.32	302.61	301.91	303.74	301.59	301.59	301.22	301.02	300.94	303.74
MIN	300.81	300.83	301.34	301.08	301.25	301.40	301.42	301.40	301.25	300.96	300.84	300.82	300.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 303.82 M (MSL), AT 8.00 HOURS, ON OCT 11, 1979

ZERO GAGE AT BOTTOM ELEVATION 300.80 M (MSL), RIVER BED 299.09 M (MSL)

LEFT BANK ELEVATION 305.66 M (MSL)

RIGHT BANK ELEVATION 305.45 M (MSL), DRAINAGE AREA 6355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	4.40	37.60	20.80	17.20	40.00	84.00	30.40	50.80	14.40	5.60	0.60	
2	1.60	3.50	38.80	19.30	17.90	43.60	66.39	30.40	50.80	12.50	4.10	0.60	
3	1.60	2.90	38.80	16.50	17.90	42.40	50.80	29.20	48.40	10.00	3.50	0.60	
4	1.20	1.00	40.00	14.40	16.50	46.00	74.40	28.00	47.20	9.50	3.50	0.60	
5	1.20	0.60	43.60	13.70	17.20	58.40	161.61	29.20	47.20	9.00	3.50	0.60	
6	0.80	0.60	49.60	11.50	17.90	69.60	197.20	31.60	46.00	8.00	2.90	0.60	
7	0.80	0.60	53.60	11.00	26.40	84.00	299.20	32.80	43.60	7.70	2.60	0.60	
8	0.80	0.60	44.80	12.50	89.40	104.00	253.40	31.60	43.60	7.10	2.60	0.40	
9	0.80	0.60	50.80	15.10	253.40	91.20	205.00	28.00	43.60	6.80	2.30	0.40	
10	0.60	1.60	56.79	14.40	252.00	66.39	349.40	30.40	42.40	6.50	2.00	0.40	
11	0.60	4.40	43.60	13.00	104.00	50.80	444.70	30.40	41.20	5.60	2.00	0.40	
12	0.40	6.50	41.20	15.10	64.80	43.60	323.20	30.40	40.00	5.60	2.00	0.40	
13	0.40	5.90	46.00	17.20	58.40	40.00	218.00	29.20	38.80	5.90	1.80	0.60	
14	0.40	4.10	118.00	20.80	48.40	42.40	128.59	32.80	37.60	5.00	2.00	0.60	
15	0.20	2.30	155.00	21.60	40.00	43.60	98.40	35.20	37.60	5.30	2.30	0.60	
16	0.20	2.30	192.01	18.60	36.40	40.00	71.20	35.20	37.60	6.20	3.20	0.60	
17	0.80	2.60	122.00	15.80	34.00	44.80	58.40	30.40	37.60	6.20	3.80	1.00	
18	0.80	4.40	89.40	14.40	32.80	48.40	49.60	30.40	34.00	5.30	2.90	3.20	
19	0.80	8.50	80.80	15.10	32.80	40.00	44.80	30.40	29.20	5.00	2.30	3.20	
20	0.80	20.00	98.40	15.10	41.20	31.60	42.40	34.00	28.00	4.70	2.00	2.90	
21	0.80	38.80	77.59	14.40	74.40	28.00	38.80	40.00	25.60	4.70	1.60	2.00	
22	0.80	44.80	68.00	13.00	80.80	28.00	41.20	40.00	24.80	4.10	1.40	0.80	
23	0.60	48.40	64.80	12.50	80.80	30.40	38.80	42.40	24.80	3.80	1.00	0.60	
24	0.60	71.20	56.79	13.70	76.00	31.60	35.20	44.80	24.80	3.80	0.80	0.60	
25	0.60	102.00	46.00	11.00	58.40	31.60	34.00	44.80	24.80	4.10	0.80	0.60	
26	0.40	109.99	37.60	8.50	48.40	29.20	31.60	46.00	24.80	4.40	0.80	0.60	
27	0.20	84.00	30.40	7.40	41.20	32.80	30.40	48.40	21.60	5.30	0.80	0.60	
28	0.20	58.40	26.40	7.40	24.80	53.60	30.40	49.60	20.00	5.30	0.80	0.80	
29	0.80	43.60	27.20	13.00	42.40	93.00	32.80	49.60	18.60	5.90	0.80	0.80	
30	3.50	37.60	23.20	20.80	34.00	91.20	32.80	50.80	17.90	7.10		0.80	
31		34.00		19.30	34.00		32.80		16.50	7.10		0.80	
TOTAL	24.90	750.19	1898.78	456.90	1813.80	1520.19	3599.49	1076.40	1069.40	201.90	65.70	27.90	12505.53 CMSDAY
MEAN	0.83	24.20	63.29	14.74	58.51	50.67	116.11	35.88	34.50	6.51	2.27	0.90	34.17 CMS
MAX	3.50	109.99	192.01	21.60	253.40	104.00	444.70	50.80	50.80	14.40	5.60	3.20	444.70 CMS
MIN	0.20	0.60	23.20	7.40	16.50	28.00	30.40	28.00	16.50	3.80	0.80	0.40	0.20 CMS
RUNOFF	2.151	64.816	164.054	39.476	156.712	131.344	310.996	93.001	92.396	17.444	5.676	2.411	1080.478 MCM

MOMENTARY PEAK 461.09 CMS, AT 303.82 M (MSL), AT 8.00 HOURS, ON OCT 11, 1979

RUNOFF YIELD 5.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 72.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

PING RIVER AT TAK, TAK (P.2A)

LOCATION — LAT. 16°-51'-14" N., LONG. 99°-07'-50" E., ON RIGHT BANK ABOUT 200 METERS DOWNSTREAM FROM KITTIKHACHON I BRIDGE, BAN THA KHAE, AMPHOE MUANG, TAK.

DRAINAGE AREA — 38,862 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +104.00 M. (M.S.L.)

BENCH MARK — B.M.-M.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +115.321 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1952 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1952-1960, 1963-1967, 1971 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1952-1960, 1963-1967, 1971 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

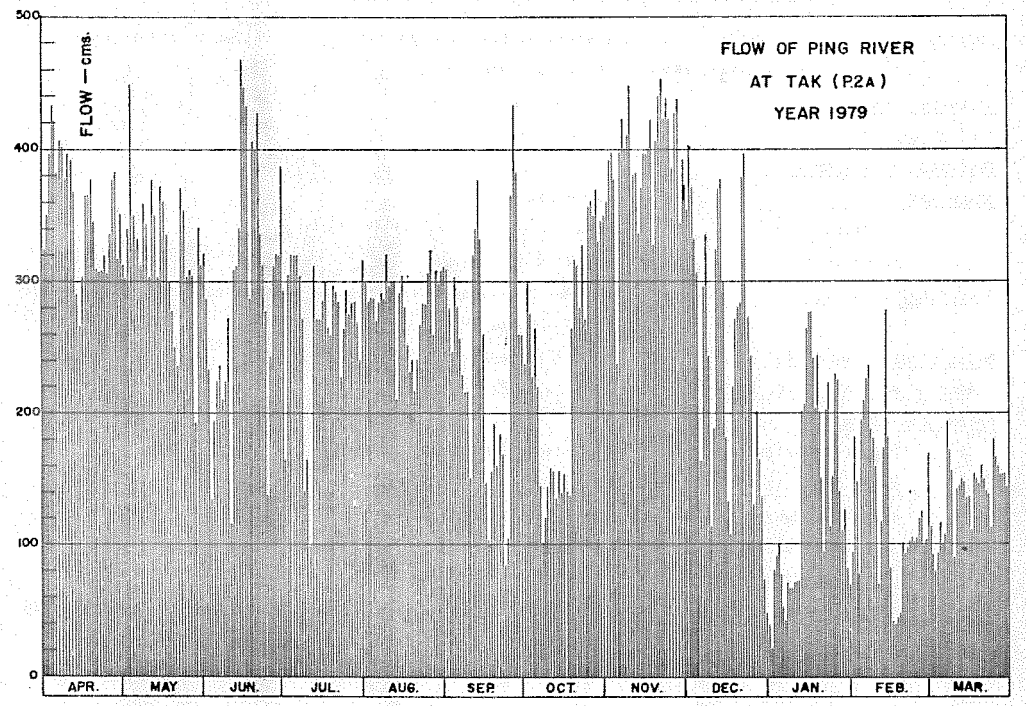
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 57 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR SINCE 1964. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 40,300 HECTARES.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	105.76	105.72	105.75	105.68	105.66	105.72	105.52	105.84	105.83	104.89	105.11	105.36	
2	105.81	105.71	105.63	105.35	105.67	105.66	105.70	105.90	105.92	104.80	105.40	105.17	
3	105.92	105.80	105.52	105.71	105.67	105.57	105.64	105.91	105.86	105.09	105.29	105.07	
4	105.98	106.01	105.25	105.75	105.63	105.71	105.52	105.87	105.78	105.13	105.06	105.11	
5	105.88	105.82	105.55	105.75	105.66	105.69	105.61	105.55	105.72	105.13	105.44	105.19	
6	105.88	105.79	105.53	105.75	105.56	105.59	105.50	105.91	105.35	105.05	105.51	105.14	
7	105.93	105.77	105.54	105.71	105.68	105.52	105.28	105.96	105.69	104.91	105.54	105.47	
8	105.92	105.74	105.48	105.63	105.67	105.49	105.14	105.92	105.79	105.03	105.42	105.43	
9	105.88	105.84	105.51	105.27	105.75	105.49	105.28	105.94	105.56	105.02	105.40	105.32	
10	105.91	105.81	105.63	105.35	105.69	105.30	105.29	106.01	105.18	105.03	105.33	105.10	
11	105.90	105.71	105.39	105.13	105.70	105.75	105.33	105.88	105.42	105.04	105.03	105.27	
12	105.85	105.87	105.72	105.72	105.70	105.80	105.32	105.88	105.76	105.04	105.19	105.28	
13	105.77	105.82	105.73	105.73	105.48	105.87	105.25	105.79	105.86	105.50	105.38	105.30	
14	105.61	105.71	105.80	105.63	105.68	105.78	105.32	105.86	105.87	105.47	105.66	105.29	
15	105.62	105.86	106.05	105.63	105.71	105.60	105.27	105.91	105.70	105.61	105.07	105.25	
16	105.71	105.84	106.01	105.67	105.65	105.29	105.31	105.91	105.40	105.64	104.92	105.25	
17	105.85	105.80	105.98	105.70	105.58	105.15	105.27	105.92	105.16	105.64	104.89	105.17	
18	105.85	105.77	105.67	105.61	105.53	105.32	105.26	105.96	105.50	105.46	104.92	105.31	
19	105.87	105.69	105.93	105.60	105.55	105.43	105.61	105.77	105.63	105.56	104.94	105.29	
20	105.81	105.64	105.92	105.69	105.42	105.34	105.74	105.93	105.65	105.45	105.14	105.34	
21	105.72	105.54	105.97	105.68	105.55	105.41	105.73	105.99	105.66	105.12	105.11	105.32	
22	105.72	105.77	105.79	105.66	105.62	105.41	105.65	106.02	105.86	105.45	105.14	105.27	
23	105.72	105.86	105.73	105.52	105.66	105.36	105.77	105.96	105.91	105.51	105.15	105.26	
24	105.75	105.82	105.64	105.66	105.66	105.08	105.63	105.99	105.63	105.28	105.14	105.17	
25	105.72	105.71	105.26	105.68	105.72	105.32	105.83	105.96	105.55	105.31	105.15	105.40	
26	105.79	105.72	105.56	105.64	105.76	105.85	105.84	105.89	105.24	105.52	105.20	105.34	
27	105.87	105.71	105.73	105.66	105.60	105.98	105.82	105.97	105.45	105.51	105.21	105.31	
28	105.88	105.43	105.75	105.66	105.72	105.88	105.86	105.99	105.35	105.17	105.13	105.31	
29	105.74	105.73	105.75	105.63	105.70	105.60	105.78	105.81	105.25	105.22	105.15	105.31	
30	105.82	105.80	105.89	105.55	105.72	105.60	105.81	105.90	105.04	105.07		105.28	
31		105.73		105.74	105.73		105.82		104.93	105.03		105.18	
MEAN	105.81	105.76	105.69	105.62	105.65	105.55	105.54	105.90	105.56	105.25	105.21	105.27	
MAX	105.98	106.01	106.05	105.75	105.76	105.98	105.86	106.02	105.92	105.64	105.66	105.47	106.05
MIN	105.61	105.43	105.25	105.13	105.42	105.08	105.14	105.55	104.93	104.80	104.89	105.07	104.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 106.40 M (MSL), AT 16.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 104.00 M (MSL), RIVER BED 103.95 M (MSL)
LEFT BANK ELEVATION 113.61 M (MSL)
RIGHT BANK ELEVATION 116.03 M (MSL), DRAINAGE AREA 38862 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	324.0	308.0	320.0	292.0	284.0	308.0	228.0	360.6	355.4	38.0	93.0	168.0	
2	345.1	304.0	272.0	165.0	288.0	284.0	300.0	391.4	401.7	20.0	180.0	111.0	
3	401.7	340.0	228.0	304.0	288.0	248.0	276.0	396.6	370.9	87.0	147.0	81.0	
4	432.6	448.0	135.0	320.0	272.0	304.0	228.0	376.0	332.0	99.0	78.0	93.0	
5	381.1	350.3	240.0	320.0	284.0	296.0	264.0	240.0	308.0	99.0	196.0	117.0	
6	381.1	336.0	232.0	320.0	244.0	256.0	220.0	396.6	165.0	75.0	224.0	102.0	
7	406.9	328.0	236.0	304.0	292.0	228.0	144.0	422.3	296.0	42.0	236.0	208.0	
8	401.7	316.0	212.0	272.0	288.0	216.0	102.0	401.7	336.0	69.0	188.0	192.0	
9	381.1	360.6	224.0	141.0	320.0	216.0	144.0	412.0	244.0	66.0	180.0	156.0	
10	396.6	345.1	272.0	165.0	296.0	150.0	147.0	448.0	114.0	69.0	159.0	90.0	
11	391.4	304.0	177.0	99.0	300.0	320.0	159.0	381.1	188.0	72.0	69.0	141.0	
12	365.7	376.0	308.0	308.0	300.0	340.0	156.0	381.1	324.0	72.0	117.0	144.0	
13	328.0	350.3	312.0	312.0	212.0	376.0	135.0	336.0	370.9	220.0	174.0	150.0	
14	264.0	304.0	340.0	272.0	292.0	332.0	156.0	370.9	376.0	208.0	284.0	147.0	
15	268.0	370.9	468.6	272.0	304.0	260.0	141.0	396.6	300.0	264.0	81.0	135.0	
16	304.0	360.6	448.0	288.0	280.0	147.0	153.0	396.6	180.0	276.0	44.0	135.0	
17	365.7	340.0	432.6	300.0	252.0	105.0	141.0	401.7	108.0	276.0	38.0	111.0	
18	365.7	328.0	288.0	264.0	232.0	156.0	138.0	422.3	220.0	204.0	44.0	153.0	
19	376.0	296.0	406.9	260.0	240.0	192.0	264.0	328.0	272.0	244.0	48.0	147.0	
20	345.1	276.0	401.7	296.0	188.0	162.0	316.0	406.9	280.0	200.0	102.0	162.0	
21	308.0	236.0	427.4	292.0	240.0	184.0	312.0	437.7	284.0	96.0	93.0	156.0	
22	308.0	328.0	336.0	284.0	268.0	184.0	280.0	453.1	370.9	200.0	102.0	141.0	
23	308.0	370.9	312.0	228.0	284.0	168.0	328.0	422.3	396.6	224.0	105.0	138.0	
24	320.0	350.3	276.0	284.0	284.0	84.0	272.0	437.7	272.0	144.0	102.0	111.0	
25	308.0	304.0	138.0	292.0	308.0	156.0	355.4	422.3	240.0	153.0	105.0	180.0	
26	336.0	308.0	244.0	276.0	324.0	365.7	360.6	386.3	132.0	228.0	120.0	162.0	
27	376.0	304.0	312.0	284.0	260.0	432.6	350.3	427.4	200.0	224.0	123.0	153.0	
28	381.1	192.0	320.0	284.0	308.0	381.1	370.9	437.7	165.0	111.0	99.0	153.0	
29	316.0	312.0	320.0	272.0	300.0	260.0	332.0	345.1	135.0	126.0	105.0	153.0	
30	350.3	340.0	386.3	240.0	308.0	260.0	345.1	391.4	72.0	81.0		144.0	
31		312.0		316.0	312.0		350.3		46.0	69.0		114.0	
TOTAL	10536.9	10099.0	9025.5	8326.0	8652.0	7371.4	7468.6	11827.4	7855.4	4356.0	3636.0	4348.0	93502.2 CMSDAY
MEAN	351.2	325.8	300.8	268.6	279.1	245.7	240.9	394.2	253.4	140.5	125.4	140.3	255.5 CMS
MAX	432.6	448.0	468.6	320.0	324.0	432.6	370.9	453.1	401.7	276.0	284.0	208.0	468.6 CMS
MIN	264.0	192.0	135.0	99.0	188.0	84.0	102.0	240.0	46.0	20.0	38.0	81.0	20.0 CMS
RUNOFF	910.39	872.55	779.80	719.37	747.53	636.89	645.29	1021.89	678.71	376.36	314.15	375.67	8078.58 MCM

MOMENTARY PEAK 648.57 CMS, AT 106.40 M (MSL), AT 16.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 6.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

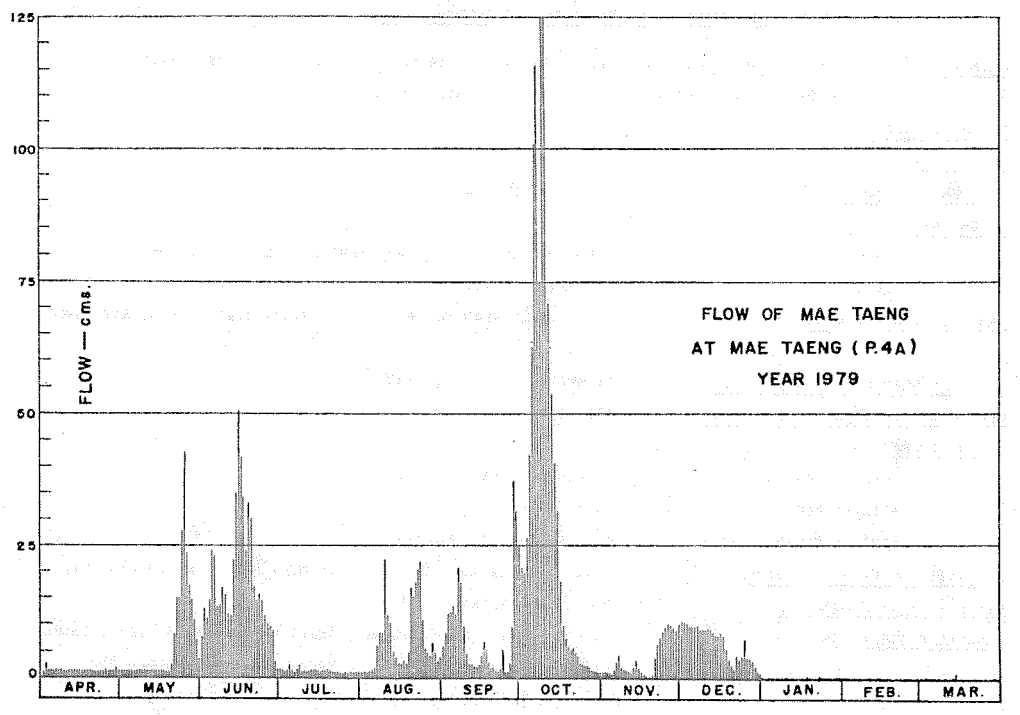
MAE TAENG RIVER AT MAE TAENG, CHIANG MAI (P.4A)

LOCATION	LAT. 19°-07'-15" N., LONG. 98°-56'-51" E., ON RIGHT BANK AT THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE TAENG, CHIANG MAI.
DRAINAGE AREA	1,902 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+333.745 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GATE OF AMPHOE MAE TAENG OFFICE.
ELEVATION	+338.736 M. (M.S.L.)
GAGE READING FREQUENCY	6-TIMES DAILY READINGS AT 06.00, 09.00, 12.00, 15.00, 18.00 AND 21.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 6 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1955-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1955-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1979. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 23,700 HECTARES AT MAE FAEK WEIR.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	335.11	335.09	335.55	335.13	335.09	335.43	335.99	335.09	335.61	334.98	334.90	334.89	
2	335.11	335.09	335.71	335.12	335.10	335.55	335.88	335.10	335.62	334.97	334.89	334.89	
3	335.12	335.09	335.65	335.12	335.10	335.67	335.93	335.10	335.60	334.96	334.88	334.88	
4	335.12	335.08	335.76	335.25	335.11	335.69	336.41	335.09	335.59	334.96	334.89	334.88	
5	335.11	335.08	336.02	335.16	335.13	335.73	336.69	335.09	335.58	334.95	334.88	334.87	
6	335.11	335.08	335.99	335.10	335.20	335.66	337.46	335.23	335.59	334.94	334.88	334.87	
7	335.11	335.09	335.72	335.14	335.52	335.92	337.53	335.33	335.58	334.93	334.87	334.87	
8	335.11	335.09	335.74	335.21	335.56	335.85	336.93	335.11	335.57	334.94	334.88	334.87	
9	335.10	335.10	335.83	335.11	335.55	335.60	337.67	335.10	335.56	334.95	334.89	334.87	
10	335.10	335.10	335.79	335.10	335.98	335.36	337.65	335.09	335.55	334.94	334.90	334.87	
11	335.10	335.10	335.67	335.10	335.66	335.23	337.05	335.08	335.58	334.93	334.90	334.86	
12	335.10	335.09	335.66	335.11	335.61	335.18	336.68	335.07	335.57	334.93	334.90	334.86	
13	335.11	335.08	335.89	335.12	335.38	335.19	336.37	335.17	335.55	334.93	334.90	334.86	
14	335.11	335.08	336.24	335.13	335.33	335.25	336.22	335.36	335.54	334.92	334.91	335.08	
15	335.11	335.09	336.57	335.13	335.26	335.23	335.93	335.20	335.55	334.92	334.91	334.95	
16	335.10	335.11	336.49	335.09	335.24	335.36	335.73	335.07	335.56	334.91	334.90	334.93	
17	335.10	335.09	336.27	335.12	335.28	335.48	335.62	335.04	335.53	334.91	334.89	334.91	
18	335.10	335.09	336.02	335.12	335.25	335.35	335.52	335.02	335.39	334.91	334.88	334.90	
19	335.09	335.09	336.24	335.10	335.43	335.18	335.43	335.01	335.31	334.90	334.88	334.89	
20	335.09	335.08	336.16	335.10	335.83	335.15	335.39	335.02	335.14	334.90	334.87	334.88	
21	335.09	335.47	335.83	335.08	335.79	335.17	335.39	335.35	335.11	334.90	334.87	335.06	
22	335.09	335.79	335.77	335.07	335.93	335.16	335.37	335.47	335.33	334.89	334.87	334.88	
23	335.09	335.78	335.80	335.07	335.97	335.20	335.27	335.52	335.29	334.89	334.88	334.89	
24	335.09	335.89	335.75	335.06	335.80	335.42	335.22	335.56	335.33	334.89	334.88	334.89	
25	335.10	336.43	335.69	335.07	335.48	335.16	335.19	335.59	335.48	334.89	334.89	334.88	
26	335.10	336.02	335.62	335.08	335.38	335.14	335.18	335.62	335.29	334.90	334.89	334.87	
27	335.09	335.88	335.59	335.08	335.34	335.31	335.16	335.59	335.27	334.90	334.90	334.87	
28	335.09	335.74	335.57	335.07	335.48	335.75	335.11	335.58	335.25	334.90	334.90	334.87	
29	335.22	335.63	335.20	335.07	335.37	336.32	335.10	335.58	335.16	334.90	334.90	334.86	
30	335.10	335.59	335.14	335.07	335.28	336.11	335.10	335.61	335.05	334.91		334.86	
31		335.31		335.06	335.35		335.09		334.99	334.91		334.86	
MEAN	335.11	335.33	335.83	335.11	335.44	335.46	335.98	335.26	335.42	334.92	334.89	334.89	
MAX	335.22	336.43	336.57	335.25	335.98	336.32	337.67	335.62	335.62	334.98	334.91	335.08	337.67
MIN	335.09	335.08	335.14	335.06	335.09	335.14	335.09	335.01	334.99	334.89	334.87	334.86	334.86

ANNUAL MAX MOMENTARY GAGE HEIGHT 338.44 M (MSL), AT 21.00 HOURS, ON OCT 9, 1979
ZERO GAGE AT BOTTOM ELEVATION 334.00 M (MSL), RIVER BED 334.39 M (MSL)
LEFT BANK ELEVATION 339.28 M (MSL)
RIGHT BANK ELEVATION 339.44 M (MSL), DRAINAGE AREA 1902 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.78	4.43	16.25	5.14	4.43	12.40	33.75	4.43	18.36	2.70	1.90	1.80	
2	4.78	4.43	22.00	4.96	4.60	16.25	28.88	4.60	18.72	2.60	1.80	1.80	
3	4.96	4.43	19.80	4.96	4.60	20.52	31.05	4.60	18.00	2.50	1.70	1.70	
4	4.96	4.26	24.00	7.50	4.78	21.24	56.42	4.43	17.65	2.50	1.80	1.70	
5	4.78	4.26	35.20	5.68	5.14	22.80	73.97	4.43	17.30	2.40	1.70	1.60	
6	4.78	4.26	33.75	4.60	6.40	20.16	131.14	7.06	17.65	2.30	1.70	1.60	
7	4.78	4.43	22.40	5.32	15.20	30.60	137.05	9.47	17.30	2.20	1.60	1.60	
8	4.78	4.43	23.20	6.62	16.60	27.65	90.63	4.78	16.95	2.30	1.70	1.60	
9	4.60	4.60	26.83	4.78	16.25	18.00	149.30	4.60	16.60	2.40	1.80	1.60	
10	4.60	4.60	25.20	4.60	33.30	10.34	147.50	4.43	16.25	2.30	1.90	1.60	
11	4.60	4.60	20.52	4.60	20.16	7.06	99.15	4.26	17.30	2.20	1.90	1.50	
12	4.60	4.43	20.16	4.78	18.36	6.04	73.34	4.09	16.95	2.20	1.90	1.50	
13	4.78	4.26	29.29	4.96	10.92	6.22	54.06	5.86	16.25	2.20	1.90	1.50	
14	4.78	4.26	46.58	5.14	9.47	7.50	45.44	10.34	15.90	2.10	2.00	4.26	
15	4.78	4.43	66.41	5.14	7.72	7.06	31.05	6.40	16.25	2.10	2.00	2.40	
16	4.60	4.78	61.38	4.43	7.28	10.34	22.80	4.09	16.60	2.00	1.90	2.20	
17	4.60	4.43	48.29	4.96	8.16	13.90	18.72	3.58	15.55	2.00	1.80	2.00	
18	4.60	4.43	35.20	4.96	7.50	10.05	15.20	3.24	11.21	2.00	1.70	1.90	
19	4.43	4.43	46.58	4.60	12.40	6.04	12.40	3.07	8.89	1.90	1.70	1.80	
20	4.43	4.26	42.26	4.60	26.83	5.50	11.21	3.24	5.32	1.90	1.60	1.70	
21	4.43	13.60	26.83	4.26	25.20	5.86	11.21	10.05	4.78	1.90	1.60	3.92	
22	4.43	25.20	24.40	4.09	31.05	5.68	10.63	13.60	9.47	1.80	1.60	1.70	
23	4.43	24.80	25.60	4.09	32.85	6.40	7.94	15.20	8.38	1.80	1.70	1.80	
24	4.43	29.29	23.60	3.92	25.60	12.10	6.84	16.60	9.47	1.80	1.70	1.80	
25	4.60	57.66	21.24	4.09	13.90	5.68	6.22	17.65	13.90	1.80	1.80	1.70	
26	4.60	35.20	18.72	4.26	10.92	5.32	6.04	18.72	8.38	1.90	1.80	1.60	
27	4.43	28.88	17.65	4.26	9.76	8.89	5.68	17.65	7.94	1.90	1.90	1.60	
28	4.43	23.20	16.95	4.09	13.90	23.60	4.78	17.30	7.50	1.90	1.90	1.60	
29	6.84	19.08	6.40	4.09	10.63	51.16	4.60	17.30	5.68	1.90	1.90	1.50	
30	4.60	17.65	5.32	4.09	8.16	39.71	4.60	18.36	3.75	2.00		1.50	
31		8.89		3.92	10.05		4.43		2.80	2.00		1.50	
TOTAL	141.22	371.89	852.01	147.49	432.12	444.07	1336.03	263.43	397.05	65.50	51.90	57.58	4560.28 CMSDAY
MEAN	4.71	12.00	28.40	4.76	13.94	14.80	43.10	8.78	12.81	2.11	1.79	1.86	12.46 CMS
MAX	6.84	57.66	66.41	7.50	33.30	51.16	149.30	18.72	18.72	2.70	2.00	4.26	149.30 CMS
MIN	4.43	4.26	5.32	3.92	4.43	5.32	4.43	3.07	2.80	1.80	1.60	1.50	1.50 CMS
RUNOFF	12.201	32.131	73.614	12.743	37.335	38.368	115.433	22.760	34.305	5.659	4.484	4.975	394.008 MCM

MOMENTARY PEAK 233.95 CMS, AT 338.44 M (MSL), AT 21.00 HOURS, ON OCT 9, 1979

RUNOFF YIELD 6.55 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 123.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

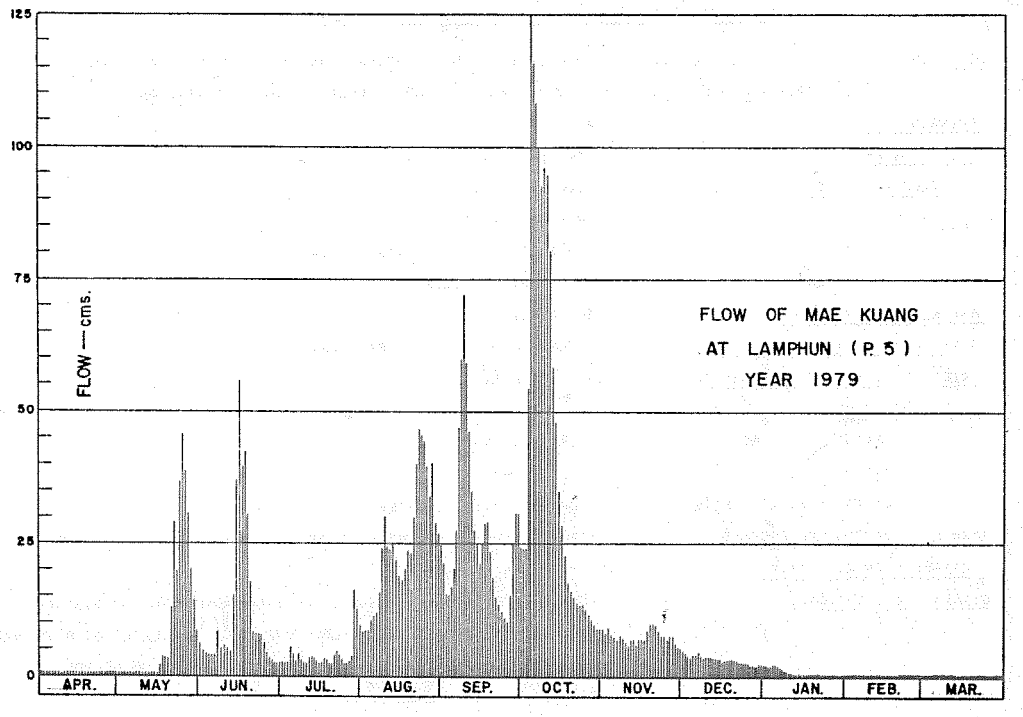
MAE KUANG RIVER AT LAMPHUN, LAMPHUN (P.5)

LOCATION	LAT. 18°-34'-32" N., LONG. 99°-00'-44" E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THA SING PHITAK BRIDGE, AMPHOE MUANG, LAMPHUN.
DRAINAGE AREA	1,569 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+289.30 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D. NO. 7
LOCATION	ON RIGHT BANK NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+295.680 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1979. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 9,600 HECTARES AT MAE KUANG WEIR.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	289.13	289.10	289.57	289.38	289.77	290.40	290.62	289.81	289.53	289.32	289.11	289.11	
2	289.13	289.10	289.55	289.33	289.74	290.16	290.41	289.78	289.51	289.32	289.11	289.11	
3	289.12	289.10	289.54	289.35	289.78	290.08	290.40	289.81	289.41	289.31	289.13	289.10	
4	289.12	289.10	289.51	289.39	289.79	290.13	291.67	289.79	289.54	289.31	289.15	289.11	
5	289.10	289.10	289.50	289.59	289.92	290.25	292.68	289.77	289.50	289.31	289.12	289.10	
6	289.10	289.10	289.50	289.54	289.92	290.42	292.38	289.73	289.56	289.29	289.11	289.08	
7	289.10	289.10	289.78	289.39	289.98	290.86	292.26	289.74	289.44	289.26	289.10	289.06	
8	289.10	289.10	289.65	289.51	290.20	291.41	292.06	289.75	289.49	289.24	289.11	289.06	
9	289.10	289.10	289.58	289.41	290.40	291.66	291.94	289.73	289.50	289.21	289.10	289.06	
10	289.10	289.10	289.65	289.39	290.60	291.37	291.92	289.69	289.49	289.18	289.11	289.06	
11	289.10	289.10	289.56	289.35	290.41	291.06	292.00	289.71	289.48	289.16	289.12	289.06	
12	289.10	289.10	289.53	289.45	290.39	290.76	291.71	289.73	289.50	289.14	289.09	289.06	
13	289.10	289.10	289.76	289.49	290.43	290.52	291.38	289.68	289.47	289.11	289.07	289.06	
14	289.10	289.10	290.67	289.47	290.36	290.43	291.11	289.72	289.41	289.13	289.10	289.06	
15	289.10	289.10	291.27	289.39	290.29	290.31	290.85	289.71	289.39	289.11	289.12	289.06	
16	289.10	289.10	291.08	289.36	290.16	290.37	290.65	289.74	289.41	289.12	289.11	289.07	
17	289.10	289.41	290.90	289.39	290.28	290.59	290.46	289.82	289.44	289.11	289.10	289.07	
18	289.10	289.51	290.95	289.46	290.28	290.59	290.37	289.86	289.45	289.11	289.13	289.06	
19	289.10	289.46	290.34	289.40	290.38	290.38	290.18	289.85	289.42	289.11	289.13	289.06	
20	289.10	289.43	289.98	289.35	290.37	290.23	290.14	289.88	289.41	289.11	289.10	289.06	
21	289.10	289.94	289.75	289.33	290.55	290.10	290.09	289.83	289.43	289.13	289.13	289.06	
22	289.10	290.56	289.75	289.51	290.90	290.05	290.07	289.77	289.42	289.13	289.12	289.06	
23	289.10	290.29	289.75	289.56	291.07	289.98	290.05	289.75	289.38	289.15	289.13	289.06	
24	289.10	290.89	289.74	289.47	291.04	289.98	289.98	289.72	289.39	289.13	289.14	289.06	
25	289.10	291.03	289.63	289.39	291.00	289.93	289.97	289.76	289.35	289.13	289.11	289.06	
26	289.10	290.75	289.51	289.37	290.89	289.88	289.96	289.78	289.33	289.11	289.12	289.06	
27	289.10	290.63	289.46	289.36	290.74	289.86	289.96	289.70	289.31	289.11	289.13	289.06	
28	289.11	290.27	289.39	289.47	290.90	290.14	289.90	289.62	289.32	289.10	289.13	289.06	
29	289.10	290.05	289.38	290.12	290.62	290.53	289.88	289.63	289.34	289.12	289.11	289.06	
30	289.10	289.84	289.34	290.00	290.51	290.63	289.82	289.58	289.36	289.10		289.06	
31		289.73		289.90	290.44		289.81		289.33	289.12		289.06	
MEAN	289.10	289.59	289.85	289.48	290.39	290.43	290.80	289.75	289.43	289.17	289.11	289.07	
MAX	289.13	291.03	291.27	290.12	291.07	291.66	292.68	289.88	289.56	289.32	289.15	289.11	292.68
MIN	289.10	289.10	289.34	289.33	289.74	289.86	289.81	289.58	289.31	289.10	289.07	289.06	289.06

ANNUAL MAX MOMENTARY GAGE HEIGHT 292.82 M (MSL), AT 6.00 HOURS, ON OCT. 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 289.30 M (MSL), RIVER BED 288.92 M (MSL)
LEFT BANK ELEVATION 294.58 M (MSL)
RIGHT BANK ELEVATION 295.78 M (MSL), DRAINAGE AREA 1569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.50	5.05	2.80	8.40	24.00	30.60	9.20	4.45	2.20	0.55	0.55	
2	0.65	0.50	4.75	2.30	7.80	17.00	24.30	8.60	4.15	2.20	0.55	0.55	
3	0.60	0.50	4.60	2.50	8.60	15.00	24.00	9.20	3.10	2.10	0.65	0.50	
4	0.60	0.50	4.15	2.90	8.80	16.25	72.50	8.80	4.60	2.10	0.75	0.55	
5	0.50	0.50	4.00	5.35	11.40	19.50	127.80	8.40	4.00	2.10	0.60	0.50	
6	0.50	0.50	4.00	4.60	11.40	24.60	109.80	7.60	4.90	1.90	0.55	0.40	
7	0.50	0.50	8.60	2.90	12.60	38.40	102.60	7.80	3.40	1.60	0.50	0.30	
8	0.50	0.50	6.25	4.15	18.00	60.40	92.00	8.00	3.90	1.40	0.55	0.30	
9	0.50	0.50	5.20	3.10	24.00	72.00	86.00	7.60	4.00	1.10	0.50	0.30	
10	0.50	0.50	6.25	2.90	30.00	58.80	85.00	6.85	3.90	0.90	0.55	0.30	
11	0.50	0.50	4.90	2.50	24.30	46.40	89.00	7.20	3.80	0.80	0.60	0.30	
12	0.50	0.50	4.45	3.50	23.70	34.80	74.50	7.60	4.00	0.70	0.45	0.30	
13	0.50	0.50	8.20	3.90	24.90	27.60	59.20	6.70	3.70	0.55	0.35	0.30	
14	0.50	0.50	32.10	3.70	22.80	24.90	48.40	7.40	3.10	0.65	0.50	0.30	
15	0.50	0.50	54.80	2.90	20.70	21.30	38.00	7.20	2.90	0.55	0.60	0.30	
16	0.50	0.50	47.20	2.60	17.00	23.10	31.50	7.80	3.10	0.60	0.55	0.35	
17	0.50	3.10	40.00	2.90	20.40	29.70	25.80	9.40	3.40	0.55	0.50	0.35	
18	0.50	4.15	42.00	3.60	20.40	29.70	23.10	10.20	3.50	0.55	0.65	0.30	
19	0.50	3.60	22.20	3.00	23.40	23.40	17.50	10.00	3.20	0.55	0.65	0.30	
20	0.50	3.30	12.60	2.50	23.10	18.90	16.50	10.60	3.10	0.55	0.50	0.30	
21	0.50	11.80	8.00	2.30	28.50	15.50	15.25	9.60	3.30	0.65	0.65	0.30	
22	0.50	28.80	8.00	4.15	40.00	14.25	14.75	8.40	3.20	0.65	0.60	0.30	
23	0.50	20.70	8.00	4.90	46.80	12.60	14.25	8.00	2.80	0.75	0.65	0.30	
24	0.50	39.60	7.80	3.70	45.60	12.60	12.60	7.40	2.90	0.65	0.70	0.30	
25	0.50	45.20	5.95	2.90	44.00	11.60	12.40	8.20	2.50	0.65	0.55	0.30	
26	0.50	34.50	4.15	2.70	39.60	10.60	12.20	8.60	2.30	0.55	0.60	0.30	
27	0.50	30.90	3.60	2.60	34.20	10.20	12.20	7.00	2.10	0.55	0.65	0.30	
28	0.55	20.10	2.90	3.70	40.00	16.50	11.00	5.80	2.20	0.50	0.65	0.30	
29	0.50	14.25	2.80	16.00	30.60	27.90	10.60	5.95	2.40	0.60	0.55	0.30	
30	0.50	9.80	2.40	13.00	27.30	30.90	9.40	5.20	2.60	0.50		0.30	
31		7.60		11.00	25.20		9.20		2.30	0.60		0.30	
TOTAL	15.55	285.40	374.90	131.55	763.50	788.40	1311.95	240.30	102.80	30.30	16.70	10.65	4072.00 CMSDAY
MEAN	0.52	9.21	12.50	4.24	24.63	26.28	42.32	8.01	3.32	0.98	0.58	0.34	11.13 CMS
MAX	0.65	45.20	54.80	16.00	46.80	72.00	127.80	10.60	4.90	2.20	0.75	0.55	127.80 CMS
MIN	0.50	0.50	2.40	2.30	7.80	10.20	9.20	5.20	2.10	0.50	0.35	0.30	0.30 CMS
RUNOFF	1.344	24.659	32.391	11.366	65.966	68.118	113.352	20.762	8.882	2.618	1.443	0.920	351.820 MCM

MOMENTARY PEAK 136.20 CMS, AT 292.82 M (MSL), AT 6.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 7.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 86.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

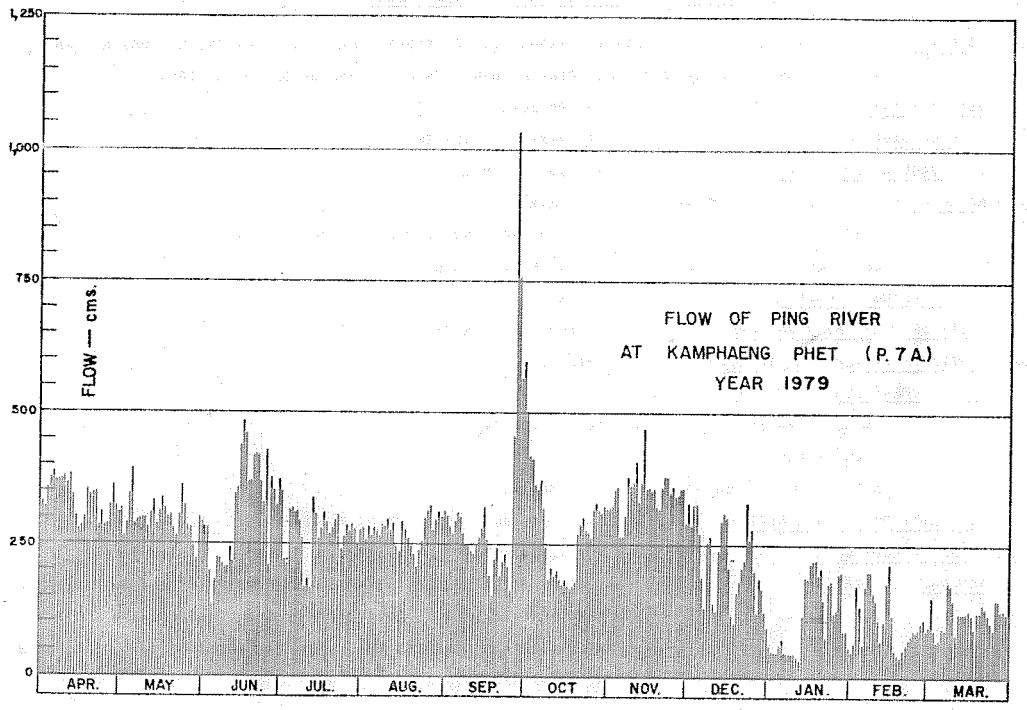
PING RIVER AT KAMPHAENG PHET, KAMPHAENG PHET (P.7A)

LOCATION	LAT. 16°-28'-38" N., LONG. 99°-31'-06" E., ON RIGHT BANK ABOUT 100 METERS UPS REAM FROM KAMPHAENG PHET BRIDGE, BAN NAKHON CHUM, AMPHOE MUANG, KAMPHAENG PHET.
DRAINAGE AREA	42,700 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+72.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+77.717 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1960 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960-1961, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1960-1961, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW COMPLETELY REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION OF ABOUT 40,300 HECTARES AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	74.45	74.41	74.32	74.50	74.31	74.39	74.81	74.42	74.45	73.51	73.45	73.66	
2	74.41	74.27	74.31	74.14	74.26	74.36	74.69	74.43	74.32	73.45	73.54	73.89	
3	74.53	74.40	74.16	74.10	74.32	74.28	74.67	74.52	74.44	73.43	73.96	73.67	
4	74.58	74.45	74.02	74.40	74.26	74.32	74.55	74.53	74.43	73.43	73.84	73.56	
5	74.61	74.62	73.82	74.42	74.30	74.40	74.52	74.27	74.30	73.56	73.51	73.57	
6	74.55	74.34	74.13	74.39	74.28	74.38	74.56	74.26	74.24	73.45	73.92	73.67	
7	74.56	74.37	74.14	74.40	74.27	74.30	74.42	74.53	73.81	73.43	74.05	73.64	
8	74.56	74.37	74.11	74.32	74.33	74.22	74.16	74.59	74.23	73.41	74.05	73.99	
9	74.59	74.36	74.08	74.22	74.32	74.23	74.00	74.54	74.27	73.42	73.94	73.96	
10	74.54	74.36	74.09	73.94	74.36	74.18	74.07	74.56	74.02	73.42	73.89	73.86	
11	74.60	74.31	74.21	73.99	74.29	74.16	74.03	74.66	73.75	73.41	73.84	73.62	
12	74.55	74.38	74.11	73.94	74.34	74.49	74.06	74.47	74.09	73.33	73.54	73.78	
13	74.48	74.46	74.49	74.48	74.23	74.55	74.01	74.57	74.33	73.37	73.62	73.77	
14	74.34	74.32	74.54	74.37	74.16	74.58	73.98	74.82	74.40	74.02	73.93	73.77	
15	74.30	74.39	74.75	74.25	74.37	74.43	74.01	74.52	74.38	74.01	74.10	73.77	
16	74.32	74.47	74.84	74.34	74.34	74.28	73.98	74.53	74.20	74.10	73.57	73.80	
17	74.37	74.43	74.78	74.39	74.29	74.03	73.94	74.51	73.87	74.13	73.45	73.75	
18	74.51	74.37	74.57	74.33	74.24	73.91	73.98	74.53	73.70	74.14	73.40	73.65	
19	74.48	74.37	74.57	74.28	74.20	74.12	73.98	74.44	73.90	74.03	73.36	73.79	
20	74.49	74.38	74.69	74.30	74.16	74.20	74.28	74.40	73.97	74.08	73.38	73.78	
21	74.37	74.25	74.70	74.32	74.08	74.03	74.33	74.52	74.08	73.99	73.50	73.84	
22	74.29	74.30	74.68	74.38	74.22	74.13	74.37	74.59	74.11	73.58	73.56	73.84	
23	74.33	74.47	74.47	74.18	74.24	74.16	74.30	74.59	74.45	73.97	73.61	73.77	
24	74.39	74.54	74.44	74.20	74.37	74.09	74.29	74.51	74.25	74.00	73.65	73.76	
25	74.28	74.39	74.72	74.30	74.39	73.94	74.27	74.54	74.30	73.76	73.63	73.64	
26	74.36	74.32	74.08	74.32	74.43	74.43	74.42	74.49	74.04	73.81	73.64	73.89	
27	74.43	74.31	74.58	74.28	74.29	76.00	74.45	74.48	73.79	74.04	73.70	73.86	
28	74.54	74.22	74.52	74.33	74.35	75.46	74.41	74.52	74.00	74.05	73.72	73.83	
29	74.42	74.13	74.43	74.28	74.40	75.04	74.41	74.52	73.91	73.63	73.63	73.83	
30	74.39	74.36	74.57	74.22	74.36	75.10	74.44	74.33	73.75	73.66		73.83	
31		74.36		74.31	74.41		74.42		73.64	73.50		73.73	
MEAN	74.45	74.37	74.40	74.28	74.30	74.41	74.28	74.51	74.11	73.71	73.69	73.77	
MAX	74.61	74.62	74.84	74.50	74.43	76.00	74.81	74.82	74.45	74.14	74.10	73.99	76.00
MIN	74.28	74.13	73.82	73.94	74.08	73.91	73.94	74.26	73.64	73.33	73.36	73.56	73.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 76.30 M (MSL), AT 8:00 HOURS, ON SEP 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 72.00 M (MSL), RIVER BED 72.50 M (MSL)
LEFT BANK ELEVATION 76.53 M (MSL)
RIGHT BANK ELEVATION 77.00 M (MSL), DRAINAGE AREA 42700 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	332.5	318.5	287.0	350.0	283.5	311.5	469.0	322.0	332.5	62.0	52.5	95.0	
2	318.5	269.5	283.5	227.0	266.0	301.0	421.0	325.5	287.0	52.5	68.0	152.5	
3	360.5	315.0	233.0	215.0	287.0	273.0	413.0	357.0	329.0	49.5	173.0	97.5	
4	378.0	332.5	191.0	315.0	266.0	287.0	367.5	360.5	325.5	49.5	140.0	72.0	
5	389.0	393.0	135.0	322.0	280.0	315.0	357.0	269.5	280.0	72.0	62.0	74.0	
6	367.5	294.0	224.0	311.5	273.0	308.0	371.0	266.0	259.0	52.5	161.0	97.5	
7	371.0	304.5	227.0	315.0	269.5	280.0	322.0	360.5	132.5	49.5	200.0	90.0	
8	371.0	304.5	218.0	287.0	290.5	252.0	233.0	381.5	255.5	46.5	200.0	182.0	
9	381.5	301.0	209.0	252.0	287.0	255.5	185.0	364.0	269.5	48.0	167.0	173.0	
10	364.0	301.0	212.0	167.0	301.0	239.0	206.0	371.0	191.0	48.0	152.5	145.0	
11	385.0	283.5	248.5	182.0	276.5	233.0	194.0	409.0	117.5	46.5	140.0	85.0	
12	367.5	308.0	218.0	167.0	294.0	346.5	203.0	339.5	212.0	34.5	68.0	125.0	
13	343.0	336.0	346.5	343.0	255.5	367.5	188.0	374.5	290.5	40.5	85.0	122.5	
14	294.0	287.0	364.0	304.5	233.0	378.0	179.0	473.0	315.0	191.0	164.0	122.5	
15	280.0	311.5	445.0	262.5	304.5	325.5	188.0	357.0	308.0	188.0	215.0	122.5	
16	287.0	339.5	481.0	294.0	294.0	273.0	179.0	360.5	245.0	215.0	74.0	130.0	
17	304.5	325.5	457.0	311.5	276.5	194.0	167.0	353.5	147.5	224.0	52.5	117.5	
18	353.5	304.5	374.5	290.5	259.0	158.0	179.0	360.5	105.0	227.0	45.0	92.5	
19	343.0	304.5	374.5	273.0	245.0	221.0	179.0	329.0	155.0	194.0	39.0	127.5	
20	346.5	308.0	421.0	280.0	233.0	245.0	273.0	315.0	176.0	209.0	42.0	125.0	
21	304.5	262.5	425.0	287.0	209.0	194.0	290.5	357.0	209.0	182.0	60.0	140.0	
22	276.5	280.0	417.0	308.0	252.0	224.0	304.5	381.5	218.0	76.0	72.0	140.0	
23	290.5	339.5	339.5	239.0	259.0	233.0	280.0	381.5	332.5	176.0	82.5	122.5	
24	311.5	364.0	329.0	245.0	304.5	212.0	276.5	353.5	262.5	185.0	92.5	120.0	
25	273.0	311.5	433.0	280.0	311.5	167.0	269.5	364.0	280.0	120.0	87.5	90.0	
26	301.0	287.0	209.0	287.0	325.5	325.5	322.0	346.5	197.0	132.5	90.0	152.5	
27	325.5	283.5	378.0	273.0	276.5	1030.0	332.5	343.0	127.5	197.0	105.0	145.0	
28	364.0	252.0	357.0	290.5	297.5	760.0	318.5	357.0	185.0	200.0	110.0	137.5	
29	322.0	224.0	325.5	273.0	315.0	568.0	318.5	357.0	158.0	87.5	87.5	137.5	
30	311.5	301.0	374.5	252.0	301.0	595.0	329.0	290.5	117.5	95.0		137.5	
31		301.0		283.5	318.5		322.0		90.0	60.0		112.5	
TOTAL	10017.5	9447.5	9537.0	8487.5	8644.5	9872.0	8637.0	10580.5	6910.0	3610.5	3087.5	3783.5	92615.0 CMSDAY
MEAN	333.9	304.8	317.9	273.8	278.9	329.1	278.6	352.7	222.9	116.5	106.5	122.0	253.0 CMS
MAX	389.0	393.0	481.0	350.0	325.5	1030.0	469.0	473.0	332.5	227.0	215.0	182.0	1030.0 CMS
MIN	273.0	224.0	135.0	167.0	209.0	158.0	167.0	266.0	90.0	34.5	39.0	72.0	34.5 CMS
RUNOFF	865.51	816.26	824.00	733.32	746.88	852.94	746.24	914.16	597.02	311.95	266.76	326.89	8001.94 MCM

MOMENTARY PEAK 1194.99 CMS, AT 76.30 M (MSL), AT 8.00 HOURS, ON SEP 27, 1979

RUNOFF YIELD 5.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 27.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

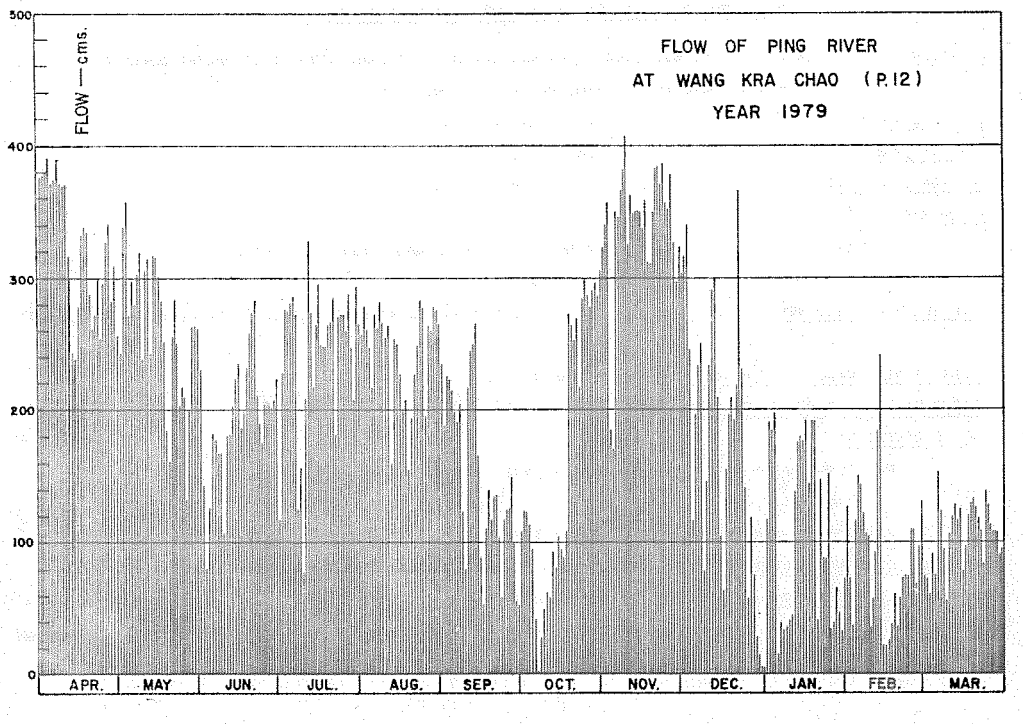
PING RIVER AT WANG KRA CHAO, TAK (P.12)

LOCATION	LAT. 17°-14'-30" N., LONG. 99°-00'-45" E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM PHUMIPHOL DAM RESERVOIR, AT WANG KRA CHAO, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	26,396 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+133.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 25 METERS NORTH OF THE GAGE SITE.
ELEVATION	+143.825 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY PHUMIPHOL DAM RESERVIOR AND DIVERTED FOR IRRIGATION OF ABOUT 28,000 HECTARES AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	135.36	135.00	135.00	134.29	135.09	134.89	134.19	135.36	135.30	132.94	134.35	133.95	
2	135.61	135.30	134.72	135.01	135.19	134.74	134.34	135.45	135.36	134.75	134.09	133.88	
3	135.64	135.45	133.99	135.18	135.09	134.93	134.33	135.53	135.46	134.72	133.55	133.80	
4	135.67	135.54	134.19	135.17	135.04	134.91	134.24	134.75	135.08	134.79	134.32	134.07	
5	135.58	135.16	134.61	135.20	134.89	134.82	134.12	134.64	134.28	133.50	134.51	133.94	
6	135.61	135.27	134.71	135.22	135.16	134.74	133.68	135.50	134.95	133.22	134.46	134.52	
7	135.60	135.19	134.67	135.14	135.14	134.82	132.87	135.48	134.97	133.58	134.30	134.37	
8	135.67	135.27	134.62	134.35	135.20	134.37	133.43	135.56	135.05	133.50	134.19	134.23	
9	135.59	135.37	134.62	134.55	135.14	133.99	133.65	135.60	133.98	133.57	134.18	133.75	
10	135.58	134.99	134.21	133.98	135.08	134.84	133.80	135.74	134.35	133.59	133.53	134.17	
11	135.59	135.31	134.69	134.89	135.12	135.02	133.82	135.40	134.90	133.62	133.89	134.28	
12	135.42	135.35	134.70	135.41	134.57	135.04	133.78	135.55	135.24	134.41	134.10	134.36	
13	135.02	135.01	134.79	135.12	134.96	135.13	134.09	135.04	135.28	134.67	135.01	134.26	
14	134.99	135.37	134.91	134.89	135.07	134.79	134.00	135.50	135.10	134.69	133.62	134.33	
15	135.09	135.36	134.97	135.26	135.04	134.15	134.19	135.50	134.31	134.67	133.34	134.18	
16	135.37	135.31	134.81	135.26	134.90	133.71	134.12	135.45	133.83	134.75	133.32	133.98	
17	135.43	135.23	134.05	135.04	134.80	134.15	134.07	135.54	134.48	134.47	133.42	134.28	
18	135.45	135.18	134.87	135.04	134.84	134.44	134.22	135.34	134.76	134.75	133.41	134.32	
19	135.43	134.80	135.05	135.12	134.54	134.29	135.16	135.33	134.84	134.75	133.80	134.40	
20	135.15	134.58	135.15	135.13	134.71	134.39	135.13	135.53	134.76	133.60	133.54	134.35	
21	135.11	135.00	135.21	135.22	134.93	134.42	135.01	135.64	134.81	134.30	133.91	134.28	
22	135.17	135.16	134.89	134.70	134.97	134.41	135.15	135.64	135.53	134.49	133.93	134.19	
23	135.29	135.21	134.83	135.15	135.17	133.79	134.89	135.58	134.98	134.05	133.94	134.02	
24	135.07	134.82	133.95	135.15	135.21	134.27	135.15	135.65	134.69	134.06	133.93	134.43	
25	135.25	134.89	134.69	135.16	135.17	134.32	135.29	135.54	133.76	134.52	134.07	134.33	
26	135.40	134.85	134.92	135.11	134.78	134.35	135.27	135.51	134.29	133.52	134.06	134.17	
27	135.46	134.39	135.26	135.23	135.12	134.50	135.19	135.62	134.08	133.71	133.89	134.21	
28	135.20	134.95	135.04	135.03	135.09	134.13	135.23	135.44	133.85	133.84	133.97	134.20	
29	135.33	135.11	135.48	134.84	135.19	133.77	135.27	135.27	133.35	133.55	134.38	134.07	
30	135.17	135.12	135.10	135.26	135.17	133.71	135.22	135.39	133.20	133.50		134.09	
31		135.11		135.12	135.11		135.30		132.97	133.69		134.15	
MEAN	135.38	135.12	134.76	135.01	135.02	134.46	134.46	135.44	134.57	134.06	133.97	134.18	
MAX	135.67	135.54	135.48	135.41	135.21	135.13	135.30	135.74	135.53	134.79	135.01	134.52	135.74
MIN	134.99	134.39	133.95	133.98	134.54	133.71	132.87	134.64	132.97	132.94	133.32	133.75	132.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 136.19 M (MSL), AT 24.00 HOURS, ON JUL 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 133.00 M (MSL), RIVER BED 131.51 M (MSL)
LEFT BANK ELEVATION 149.05 M (MSL)
RIGHT BANK ELEVATION 150.72 M (MSL), DRAINAGE AREA 26396 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	317.2	240.0	240.0	118.7	258.0	218.0	105.7	317.2	304.0	4.2	127.0	75.5	
2	376.4	304.0	185.6	242.0	279.8	189.2	125.6	338.0	317.2	191.0	92.7	68.0	
3	383.6	338.0	79.9	277.6	258.0	226.0	124.2	357.2	340.4	185.6	36.0	60.0	
4	390.8	359.6	105.7	275.4	248.0	222.0	112.2	191.0	256.0	198.2	122.8	90.1	
5	369.2	273.2	166.7	282.0	218.0	204.0	96.6	171.8	117.4	32.0	150.6	74.4	
6	376.4	297.4	183.8	286.4	273.2	189.2	48.0	350.0	230.0	14.0	143.0	152.2	
7	374.0	279.8	176.9	268.8	268.8	204.0	2.1	345.2	234.0	38.4	120.0	129.8	
8	390.8	297.4	168.4	127.0	282.0	129.8	26.4	364.4	250.0	32.0	105.7	110.9	
9	371.6	319.4	168.4	157.0	268.8	79.9	45.0	374.0	78.8	37.6	104.4	55.0	
10	369.2	238.0	108.3	78.8	256.0	208.0	60.0	408.0	127.0	39.2	34.4	103.1	
11	371.6	306.2	180.3	218.0	264.4	244.0	62.0	326.0	220.0	42.0	69.0	117.4	
12	330.8	315.0	182.0	328.4	160.2	248.0	58.0	362.0	290.8	135.5	94.0	128.4	
13	244.0	242.0	198.2	264.4	232.0	266.6	92.7	248.0	299.6	176.9	242.0	114.8	
14	238.0	319.4	222.0	218.0	254.0	198.2	81.0	350.0	260.0	180.3	42.0	124.2	
15	256.0	317.2	234.0	295.2	248.0	100.5	105.7	350.0	121.4	176.9	20.4	104.4	
16	319.4	306.2	202.0	295.2	220.0	51.0	96.6	338.0	63.0	191.0	19.2	78.8	
17	333.2	298.6	87.5	248.0	200.0	100.5	90.1	359.6	146.0	144.5	25.6	117.4	
18	338.0	277.6	214.0	248.0	208.0	140.0	109.6	312.8	192.8	191.0	24.8	122.8	
19	333.2	200.0	250.0	264.4	155.4	118.7	273.2	310.6	208.0	191.0	60.0	134.0	
20	271.0	161.8	271.0	266.6	183.8	132.6	266.6	357.2	192.8	40.0	35.2	127.0	
21	262.2	240.0	284.2	286.4	226.0	137.0	242.0	383.6	202.0	120.0	71.1	117.4	
22	275.4	273.2	218.0	182.0	234.0	135.5	271.0	383.6	357.2	147.5	73.3	105.7	
23	301.8	284.2	206.0	271.0	275.4	59.0	218.0	369.2	236.0	87.5	74.4	83.6	
24	254.0	204.0	75.5	271.0	284.2	116.1	271.0	386.0	180.3	88.8	73.3	138.5	
25	293.0	218.0	180.3	273.2	275.4	122.8	301.8	359.6	56.0	152.2	90.1	124.2	
26	326.0	210.0	224.0	262.2	196.4	127.0	297.4	352.4	118.7	33.6	88.8	103.1	
27	340.4	132.6	295.2	288.6	264.4	149.0	279.8	378.8	91.4	51.0	69.0	108.3	
28	282.0	230.0	248.0	246.0	258.0	97.9	288.6	335.6	65.0	64.0	77.7	107.0	
29	310.6	262.2	345.2	208.0	279.8	57.0	297.4	297.4	21.0	36.0	131.2	90.1	
30	275.4	264.4	260.0	295.2	275.4	51.0	286.4	323.8	13.0	32.0		92.7	
31		262.2		264.4	262.2		304.0		5.1	49.0		100.5	
TOTAL	9677.2	8261.6	5961.1	7607.9	7567.6	4522.5	5038.7	10101.0	5594.9	3102.9	2417.7	3259.3	73112.3 CMSDAY
MEAN	322.6	266.5	198.7	245.4	244.1	150.7	162.5	336.7	180.5	100.1	83.4	105.1	199.8 CMS
MAX	390.8	359.6	345.2	328.4	284.2	266.6	304.0	408.0	357.2	198.2	242.0	152.2	408.0 CMS
MIN	238.0	132.6	75.5	78.8	155.4	51.0	2.1	171.8	5.1	4.2	19.2	55.0	2.1 CMS
RUNOFF	836.11	713.80	515.04	657.32	653.84	390.74	435.34	872.73	483.40	268.09	208.89	281.60	6316.90 MCM

MOMENTARY PEAK 526.29 CMS, AT 136.19 M (MSL), AT 24.00 HOURS, ON JUL 28, 1979

RUNOFF YIELD 7.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

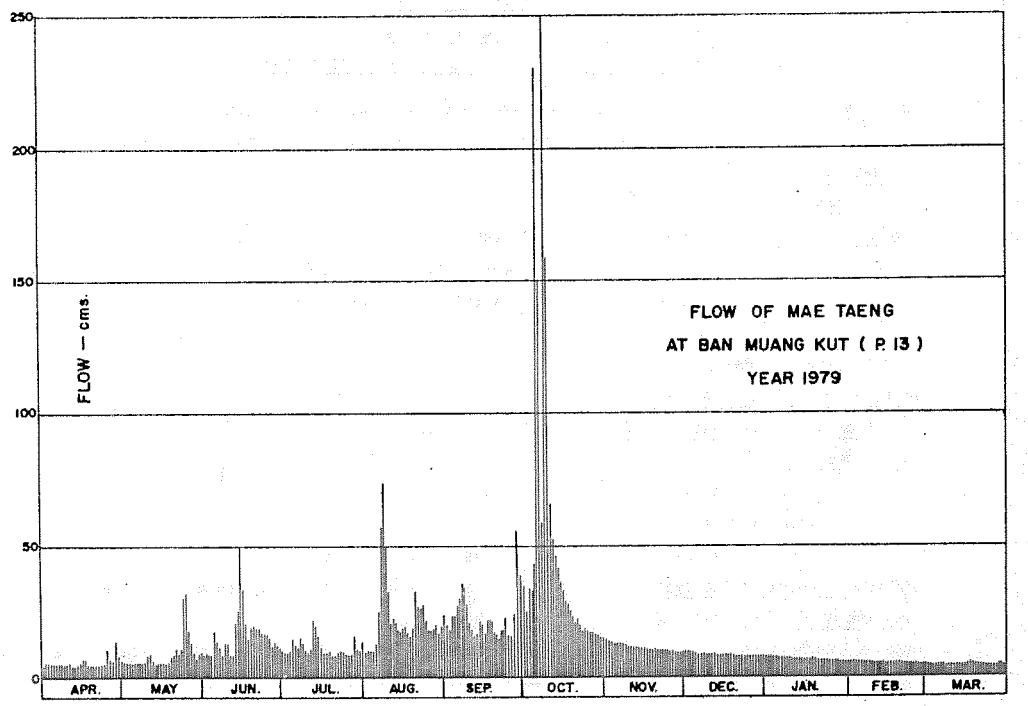
MAE TAENG RIVER AT BAN MUANG KUT, CHIANG MAI (P.13)

LOCATION	LAT. 19°-12'-38" N., LONG 98°-52'-20" E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM BAN MUANG KUT, AMPHOE MAE TAENG, CHIANG MAI.
DRAINAGE AREA	1,765 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+441.121 M. (M.S.L.)
BENCH MARK	B.M./R.I.D. NO.6
LOCATION	IN THE VICINITY OF GAGE OBSERVER'S HOUSE.
ELEVATION	+455.425 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	1952 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1952 - 1971
RATED BY FLOAT	-
RATED BY CURRENT METER	1952 - 1971
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 571 DISCHARGE MEASUREMENTS MADE DURING 1969-1971.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	441.66	441.70	441.79	441.87	441.86	442.20	442.44	442.02	441.85	441.76	441.69	441.62	
2	441.66	441.68	441.87	441.85	441.87	442.13	442.30	442.01	441.85	441.75	441.69	441.61	
3	441.66	441.70	441.79	441.86	441.91	442.27	442.45	442.00	441.85	441.75	441.68	441.61	
4	441.65	441.69	441.94	441.93	441.86	442.25	442.44	441.99	441.84	441.75	441.68	441.61	
5	441.65	441.68	442.10	442.00	441.96	442.34	442.86	441.97	441.83	441.75	441.68	441.61	
6	441.65	441.67	441.96	441.95	442.14	442.42	444.12	441.97	441.82	441.75	441.68	441.61	
7	441.65	441.69	441.86	441.93	442.37	442.48	443.20	441.97	441.81	441.74	441.67	441.62	
8	441.65	441.67	441.79	442.03	442.98	442.43	442.82	441.96	441.81	441.74	441.67	441.61	
9	441.64	441.67	441.99	441.93	442.72	442.29	444.24	441.95	441.81	441.74	441.67	441.61	
10	441.64	441.70	441.91	441.87	442.39	442.17	443.35	441.94	441.80	441.74	441.66	441.60	
11	441.64	441.84	441.78	441.88	442.21	442.10	442.89	441.93	441.80	441.74	441.66	441.60	
12	441.63	441.72	441.79	441.97	442.24	442.06	442.73	441.93	441.80	441.74	441.66	441.60	
13	441.62	441.67	442.20	442.23	442.19	442.13	442.62	441.92	441.80	441.73	441.66	441.60	
14	441.64	441.65	442.31	442.12	442.13	442.22	442.53	441.92	441.79	441.73	441.66	441.59	
15	441.65	441.65	442.69	441.95	442.12	442.15	442.46	441.92	441.79	441.73	441.66	441.60	
16	441.74	441.68	442.39	441.87	442.18	442.09	442.40	441.91	441.79	441.73	441.66	441.64	
17	441.70	441.66	442.14	441.84	442.12	442.24	442.35	441.91	441.79	441.72	441.66	441.68	
18	441.64	441.66	442.04	441.88	442.05	442.23	442.30	441.91	441.79	441.75	441.67	441.65	
19	441.63	441.78	442.19	441.86	442.16	442.11	442.26	441.91	441.79	441.71	441.67	441.62	
20	441.63	441.79	442.18	441.82	442.43	442.09	442.21	441.89	441.78	441.71	441.66	441.61	
21	441.63	441.93	442.14	441.81	442.33	442.05	442.25	441.89	441.78	441.71	441.65	441.60	
22	441.63	441.82	442.15	441.87	442.32	442.14	442.18	441.89	441.78	441.71	441.65	441.60	
23	441.63	441.91	442.09	441.88	442.35	442.16	442.13	441.88	441.78	441.71	441.64	441.59	
24	441.64	442.38	442.09	441.85	442.25	442.24	442.13	441.88	441.77	441.70	441.64	441.59	
25	441.88	442.41	442.08	441.84	442.15	442.07	442.12	441.88	441.77	441.70	441.63	441.59	
26	441.74	442.07	442.00	441.81	442.13	442.06	442.11	441.88	441.77	441.70	441.63	441.59	
27	441.69	441.91	441.96	441.82	442.15	442.28	442.09	441.87	441.77	441.70	441.64	441.59	
28	442.01	441.79	442.00	442.05	442.19	442.79	442.08	441.87	441.77	441.70	441.63	441.65	
29	441.82	441.73	441.95	441.95	442.08	442.60	442.08	441.86	441.77	441.69	441.62	441.63	
30	441.72	441.83	441.91	441.87	442.13	442.51	442.05	441.86	441.76	441.69		441.60	
31		441.85		442.02	442.26		442.04		441.76	441.69		441.58	
MEAN	441.68	441.79	442.04	441.92	442.20	442.24	442.52	441.92	441.80	441.72	441.66	441.61	
MAX	442.01	442.41	442.69	442.23	442.98	442.79	444.24	442.02	441.85	441.76	441.69	441.68	444.24
MIN	441.62	441.65	441.78	441.81	441.86	442.05	442.04	441.86	441.76	441.69	441.62	441.58	441.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 444.77 M (MSL), AT 11.00 HOURS, ON OCT 9, 1979
ZERO GAGE AT BOTTOM ELEVATION 441.12 M (MSL), RIVER BED 440.98 M (MSL)
LEFT BANK ELEVATION 448.48 M (MSL)
RIGHT BANK ELEVATION 449.20 M (MSL), DRAINAGE AREA 1765 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.34	6.10	8.08	9.84	9.62	20.20	33.20	14.08	9.40	7.42	5.91	4.58	
2	5.34	5.72	9.84	9.40	9.84	17.82	25.00	13.74	9.40	7.20	5.91	4.39	
3	5.34	6.10	8.08	9.62	10.79	23.56	33.80	13.40	9.40	7.20	5.72	4.39	
4	5.15	5.91	11.66	11.37	9.62	22.60	33.20	13.11	9.18	7.20	5.72	4.39	
5	5.15	5.72	16.80	13.40	12.24	27.32	62.68	12.53	8.96	7.20	5.72	4.39	
6	5.15	5.53	12.24	11.95	18.16	32.00	230.08	12.53	8.74	7.20	5.72	4.39	
7	5.15	5.91	9.62	11.37	29.06	35.60	98.00	12.53	8.52	6.98	5.53	4.58	
8	5.15	5.53	8.08	14.42	73.72	32.60	59.16	12.24	8.52	5.98	5.53	4.39	
9	4.96	5.53	13.11	11.37	51.16	24.52	252.16	11.95	8.52	6.98	5.53	4.39	
10	4.96	6.10	10.79	9.84	30.22	19.18	114.20	11.66	8.30	6.98	5.34	4.20	
11	4.96	9.18	7.86	10.06	20.68	16.80	65.32	11.37	8.30	6.98	5.34	4.20	
12	4.77	6.54	8.08	12.53	22.12	15.44	51.94	11.37	8.30	6.98	5.34	4.20	
13	4.58	5.53	20.20	21.64	19.86	17.82	44.16	11.08	8.30	6.76	5.34	4.20	
14	4.96	5.15	25.58	17.48	17.82	21.16	38.60	11.08	8.08	6.76	5.34	4.06	
15	5.15	5.15	48.92	11.95	17.48	18.50	34.40	11.08	8.08	6.76	5.34	4.20	
16	6.98	5.72	30.22	9.84	19.52	16.46	30.80	10.79	8.08	6.76	5.34	4.96	
17	6.10	5.34	18.16	9.18	17.48	22.12	27.90	10.79	8.08	6.54	5.34	5.72	
18	4.96	5.34	14.76	10.06	15.10	21.64	25.00	10.79	8.08	7.20	5.53	5.15	
19	4.77	7.86	19.86	9.62	18.84	17.14	23.08	10.79	8.08	6.32	5.53	4.58	
20	4.77	8.08	19.52	8.74	32.60	16.46	20.68	10.28	7.86	6.32	5.34	4.39	
21	4.77	11.37	18.16	8.52	26.74	15.10	22.60	10.28	7.86	6.32	5.15	4.20	
22	4.77	8.74	18.50	9.84	26.16	18.16	19.52	10.28	7.86	6.32	5.15	4.20	
23	4.77	10.79	16.46	10.06	27.90	18.84	17.82	10.06	7.86	6.32	4.96	4.06	
24	4.96	29.64	16.46	9.40	22.60	22.12	17.82	10.06	7.64	6.10	4.96	4.06	
25	10.06	31.40	16.12	9.18	18.50	15.78	17.48	10.06	7.64	6.10	4.77	4.06	
26	6.98	15.78	13.40	8.52	17.82	15.44	17.14	10.06	7.64	6.10	4.77	4.06	
27	5.91	10.79	12.24	8.74	18.50	24.04	16.46	9.84	7.64	6.10	4.96	4.06	
28	13.74	8.08	13.40	15.10	19.86	56.62	16.12	9.84	7.64	6.10	4.77	5.15	
29	8.74	6.76	11.95	11.95	16.12	42.80	16.12	9.62	7.64	5.91	4.58	4.77	
30	6.54	8.96	10.79	9.84	17.82	37.40	15.10	9.62	7.42	5.91		4.20	
31		9.40		14.08	23.08		14.76		7.42	5.91		3.91	
TOTAL	174.93	273.75	468.94	348.91	691.03	705.24	1494.30	336.91	254.44	205.91	154.48	136.48	5245.31 CMSDAY
MEAN	5.83	8.83	15.63	11.26	22.29	23.51	48.20	11.23	8.21	6.64	5.33	4.40	14.33 CMS
MAX	13.74	31.40	48.92	21.64	73.72	56.62	252.16	14.08	9.40	7.42	5.91	5.72	252.16 CMS
MIN	4.58	5.15	7.86	8.52	9.62	15.10	14.76	9.62	7.42	5.91	4.58	3.91	3.91 CMS
RUNOFF	15.114	23.652	40.516	30.146	59.705	60.933	129.107	29.109	21.984	17.791	13.347	11.792	453.195 MCM

MOMENTARY PEAK 356.54 CMS, AT 444.77 M (MSL), AT 11.00 HOURS, ON OCT 9, 1979

RUNOFF YIELD 8.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 202.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

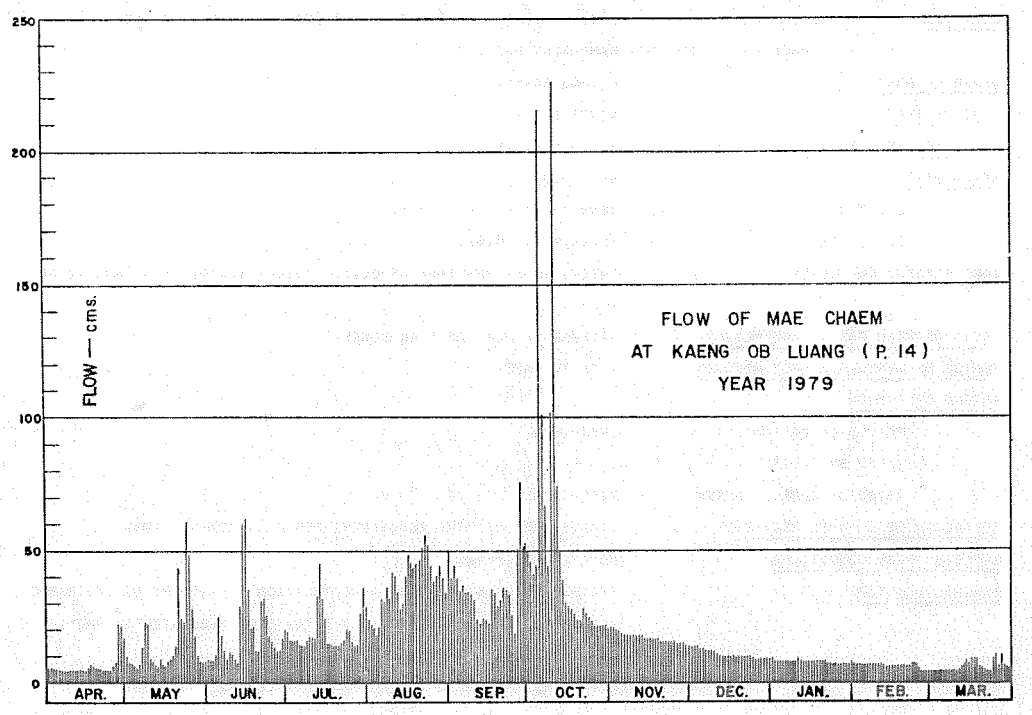
MAE CHAEM AT KAENG OB LUANG, CHIANG MAI (P.14)

LOCATION	LAT. 18°-13'-49" N., LONG. 98°-33'-35" E., ON RIGHT BANK NEAR THE BRIDGE OF HOT-MAE SARIANG HIGHWAY AT KILOMETER MARKER 7+500, AMPHOE HOT, CHIANG MAI.
DRAINAGE AREA	3,853 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+275.80 M. (M.S.L.)
BENCH MARK	B.M.-M.S./R.I.D. NO. 13
LOCATION	ABOUT 10 METERS INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+282.20 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1953 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	276.75	276.87	276.89	277.13	277.20	277.58	277.57	277.16	277.01	276.87	276.82	276.73	
2	276.74	276.82	276.82	277.07	277.15	277.45	277.49	277.15	277.01	276.86	276.81	276.73	
3	276.74	276.80	276.84	277.06	277.12	277.50	277.47	277.14	277.01	276.85	276.81	276.72	
4	276.73	276.79	276.99	277.05	277.08	277.43	277.52	277.13	277.01	276.85	276.80	276.72	
5	276.73	276.79	277.23	277.05	277.18	277.39	278.87	277.13	276.99	276.85	276.80	276.72	
6	276.73	276.77	277.11	277.04	277.34	277.42	278.00	277.11	276.98	276.85	276.80	276.72	
7	276.73	276.77	276.97	277.01	277.33	277.38	277.71	277.10	276.97	276.86	276.80	276.72	
8	276.73	276.76	276.87	277.05	277.41	277.38	277.50	277.10	276.96	276.86	276.80	276.72	
9	276.73	276.93	276.96	277.05	277.34	277.38	277.67	277.11	276.96	276.86	276.80	276.72	
10	276.73	277.00	276.93	277.11	277.48	277.32	278.93	277.11	276.95	276.87	276.80	276.72	
11	276.73	277.19	276.88	277.08	277.46	277.24	278.00	277.11	276.94	276.87	276.81	276.71	
12	276.72	276.97	276.83	277.30	277.38	277.19	277.65	277.11	276.92	276.87	276.78	276.73	
13	276.72	276.88	277.03	277.52	277.28	277.17	277.51	277.10	276.92	276.86	276.77	276.77	
14	276.72	276.84	277.66	277.37	277.32	277.22	277.41	277.09	276.92	276.86	276.77	276.77	
15	276.72	276.79	277.70	277.19	277.51	277.20	277.33	277.09	276.92	276.85	276.77	276.84	
16	276.77	276.78	277.45	277.07	277.57	277.18	277.29	277.09	276.92	276.85	276.77	276.81	
17	276.79	276.89	277.15	277.03	277.52	277.41	277.27	277.08	276.92	276.86	276.77	276.82	
18	276.75	276.88	277.16	277.04	277.49	277.41	277.24	277.08	276.92	276.86	276.77	276.88	
19	276.74	276.96	276.99	277.01	277.50	277.33	277.21	277.08	276.92	276.86	276.77	276.88	
20	276.73	277.03	276.96	277.03	277.53	277.31	277.20	277.07	276.91	276.86	276.77	276.77	
21	276.73	277.49	277.32	277.01	277.60	277.36	277.23	277.06	276.92	276.86	276.77	276.76	
22	276.72	277.15	277.34	277.07	277.59	277.41	277.28	277.06	276.92	276.83	276.79	276.75	
23	276.72	277.20	277.22	277.06	277.64	277.39	277.22	277.06	276.91	276.83	276.80	276.73	
24	276.72	277.69	277.11	277.14	277.53	277.36	277.20	277.05	276.91	276.83	276.80	276.73	
25	276.73	277.58	277.05	277.12	277.50	277.13	277.18	277.05	276.88	276.83	276.77	276.84	
26	276.80	277.20	277.01	277.03	277.44	277.31	277.16	277.03	276.88	276.83	276.73	276.93	
27	276.85	277.02	276.95	277.02	277.49	277.84	277.17	277.03	276.88	276.83	276.73	276.83	
28	277.17	276.91	276.95	277.05	277.52	277.78	277.17	277.03	276.88	276.83	276.73	276.90	
29	277.15	276.86	277.10	277.35	277.51	277.60	277.17	277.03	276.88	276.82	276.73	276.81	
30	277.03	276.83	277.14	277.41	277.39	277.61	277.17	277.02	276.88	276.83		276.79	
31		276.83		277.24	277.46		277.16		276.87	276.84		276.76	
MEAN	276.78	276.98	277.09	277.12	277.41	277.39	277.48	277.08	276.93	276.85	276.78	276.77	
MAX	277.17	277.69	277.70	277.52	277.64	277.84	278.93	277.16	277.01	276.87	276.82	276.93	278.93
MIN	276.72	276.76	276.82	277.01	277.08	277.13	277.16	277.02	276.87	276.82	276.73	276.71	276.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 280.35 M (MSL), AT 5.00 HOURS, ON OCT 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 275.80 M (MSL), RIVER BED 275.97 M (MSL)
LEFT BANK ELEVATION 285.19 M (MSL)
RIGHT BANK ELEVATION 286.94 M (MSL), DRAINAGE AREA 3853 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.50	9.10	9.70	19.80	24.00	50.40	49.60	21.60	14.40	9.10	7.60	4.90	
2	5.20	7.60	7.60	16.80	21.00	40.00	43.20	21.00	14.40	8.80	7.30	4.90	
3	5.20	7.00	8.20	16.40	19.20	44.00	41.60	20.40	14.40	8.50	7.30	4.60	
4	4.90	6.70	13.60	16.00	17.20	38.40	45.60	19.80	14.40	8.50	7.00	4.60	
5	4.90	6.70	25.80	16.00	22.80	35.40	215.91	19.80	13.60	8.50	7.00	4.60	
6	4.90	6.10	18.60	15.60	32.40	37.60	94.00	18.60	13.20	8.50	7.00	4.60	
7	4.90	6.10	12.80	14.40	31.80	34.80	63.00	18.00	12.80	8.80	7.00	4.60	
8	4.90	5.80	9.10	16.00	36.80	34.80	44.00	18.00	12.40	8.80	7.00	4.60	
9	4.90	11.20	12.40	16.00	32.40	34.80	59.00	18.60	12.40	8.80	7.00	4.60	
10	4.90	14.00	11.20	18.60	42.40	31.20	226.40	18.60	12.00	9.10	7.00	4.60	
11	4.90	23.40	9.40	17.20	40.80	26.40	94.00	18.60	11.60	9.10	7.30	4.30	
12	4.60	12.80	7.90	30.00	34.80	23.40	57.00	18.60	10.80	9.10	6.40	4.90	
13	4.60	9.40	15.20	45.60	28.80	22.20	44.80	18.00	10.80	8.80	6.10	6.10	
14	4.60	8.20	58.00	34.20	31.20	25.20	36.80	17.60	10.80	8.80	6.10	6.10	
15	4.60	6.70	62.00	23.40	44.80	24.00	31.80	17.60	10.80	8.50	6.10	8.20	
16	6.10	6.40	40.00	16.80	49.60	22.80	29.40	17.60	10.80	8.50	6.10	7.30	
17	6.70	9.70	21.00	15.20	45.60	36.80	28.20	17.20	10.80	8.80	6.10	7.60	
18	5.50	9.40	21.60	15.60	43.20	36.80	26.40	17.20	10.80	8.80	6.10	9.40	
19	5.20	12.40	13.60	14.40	44.00	31.80	24.60	17.20	10.80	8.80	6.10	9.40	
20	4.90	15.20	12.40	15.20	46.40	30.60	24.00	16.80	10.40	8.80	6.10	6.10	
21	4.90	43.20	31.20	14.40	52.00	33.60	25.80	16.40	10.80	8.80	6.10	5.80	
22	4.60	21.00	32.40	16.80	51.20	36.80	28.80	16.40	10.80	7.90	6.70	5.50	
23	4.60	24.00	25.20	16.40	56.00	35.40	25.20	16.40	10.40	7.90	7.00	4.90	
24	4.60	61.00	18.60	20.40	46.40	33.60	24.00	16.00	10.40	7.90	7.00	4.90	
25	4.90	50.40	16.00	19.20	44.00	19.80	22.80	16.00	9.40	7.90	6.10	8.20	
26	7.00	24.00	14.40	15.20	39.20	30.60	21.60	15.20	9.40	7.90	4.90	11.20	
27	8.50	14.80	12.00	14.80	43.20	76.00	22.20	15.20	9.40	7.90	4.90	7.90	
28	22.20	10.40	12.00	16.00	45.60	70.00	22.20	15.20	9.40	7.90	4.90	10.00	
29	21.00	8.80	18.00	33.00	44.80	52.00	22.20	15.20	9.40	7.60	4.90	7.30	
30	15.20	7.90	20.40	36.80	35.40	53.00	22.20	14.80	9.40	7.90		6.70	
31		7.90		26.40	40.80		21.60		9.10	8.20		5.80	
TOTAL	199.40	467.30	590.30	622.60	1187.80	1102.20	1537.91	527.60	350.30	263.20	186.20	194.20	7229.00 CMSDAY
MEAN	6.65	15.07	19.68	20.08	38.32	36.74	49.61	17.59	11.30	8.49	6.42	6.26	19.75 CMS
MAX	22.20	61.00	62.00	45.60	56.00	76.00	226.40	21.60	14.40	9.10	7.60	11.20	226.40 CMS
MIN	4.60	5.80	7.60	14.40	17.20	19.80	21.60	14.80	9.10	7.60	4.90	4.30	4.30 CMS
RUNOFF	17.228	40.375	51.002	53.793	102.626	95.230	132.875	45.585	30.266	22.740	16.088	16.779	624.585 MCM

MOMENTARY PEAK 537.50 CMS, AT 280.35 M (MSL), AT 5.00 HOURS, ON OCT 5, 1979
RUNOFF YIELD 5.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 139.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

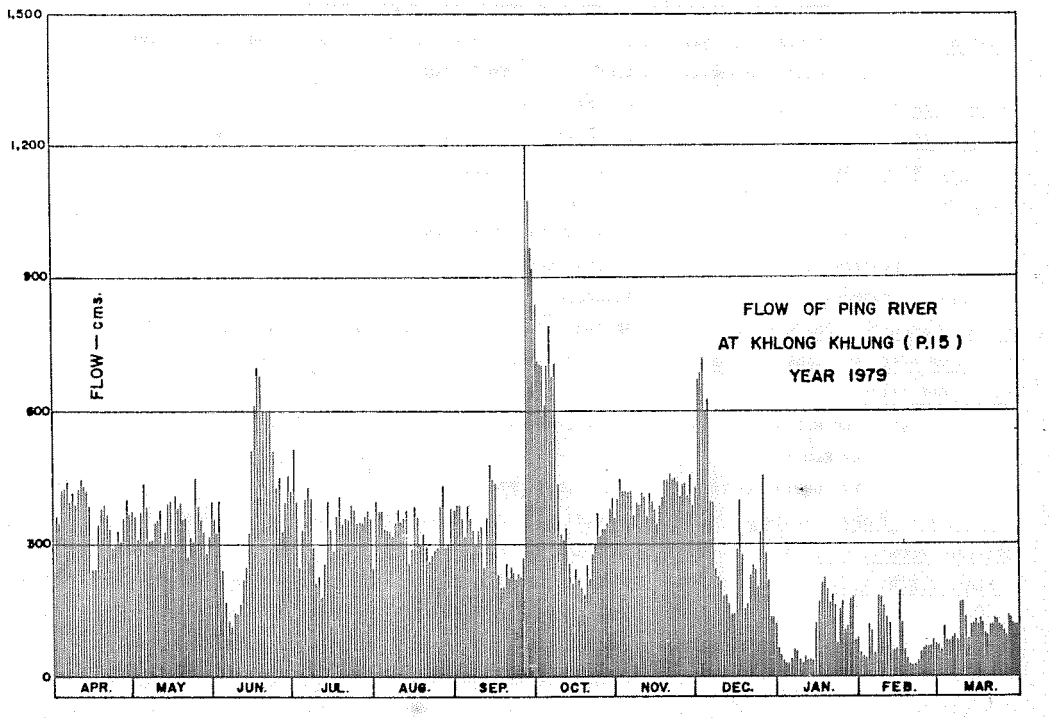
PING RIVER AT KHLONG KHLUNG, KAMPHAENG PHET (P.15)

LOCATION	LAT. 16°-12'-50" N., LONG. 99°-43'-26" E., ON RIGHT BANK INFRONT OF WAT SI PHIROM, AMPHOE KHLONG KHLUNG, KAMPHAENG PHET.
DRAINAGE AREA	43,805 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+51.555 M. (M.S.L.)
BENCH MARK	B.M.=H.S.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+56.617 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE DURING 1967-1974. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR.
REMARKS	GAGE HEIGHT DURING JAN 1-MAR 31,1980 USED CORRELATION BETWEEN P.15 & P.16.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	54.33	54.39	54.33	54.73	54.45	54.43	55.43	54.46	55.08	53.23	53.20	53.29	
2	54.36	54.32	54.25	54.43	54.38	54.42	55.15	54.42	55.11	53.12	53.13	53.22	
3	54.32	54.21	54.45	54.01	54.40	54.34	55.14	54.36	55.18	53.05	53.12	53.49	
4	54.51	54.37	53.99	54.27	54.30	54.23	54.95	54.36	54.93	53.00	53.51	53.34	
5	54.52	54.55	53.72	54.45	54.28	54.42	55.15	54.34	54.98	53.03	53.45	53.32	
6	54.55	54.42	53.92	54.53	54.28	54.34	55.33	54.51	54.45	53.17	53.20	53.37	
7	54.44	54.20	53.90	54.52	54.16	54.27	55.09	54.36	54.28	53.23	53.56	53.39	
8	54.49	54.21	54.02	54.45	54.32	54.17	55.15	54.44	53.99	53.17	53.77	53.34	
9	54.43	54.29	53.98	54.14	54.36	54.27	54.53	54.42	53.94	53.07	53.77	53.72	
10	54.52	54.33	54.00	53.89	54.42	54.30	54.25	54.50	53.91	53.02	53.66	53.73	
11	54.57	54.40	54.08	53.94	54.33	54.01	54.21	54.47	53.77	53.10	53.58	53.61	
12	54.53	54.17	54.01	53.75	54.38	54.35	54.28	54.35	53.79	53.08	53.52	53.34	
13	54.49	54.26	54.02	54.04	54.40	54.59	54.02	54.49	53.69	53.09	53.23	53.51	
14	54.40	54.43	54.24	54.44	54.04	54.65	53.88	54.44	53.60	53.08	53.24	53.52	
15	54.02	54.45	54.73	54.27	54.14	54.55	54.00	54.40	53.63	53.52	53.64	53.56	
16	53.99	54.14	54.94	54.13	54.42	54.39	53.97	54.31	54.14	53.72	53.81	53.52	
17	54.07	54.47	55.13	54.35	54.34	53.95	53.90	54.42	54.45	53.86	53.29	53.57	
18	54.32	54.40	55.03	54.47	54.18	53.84	53.83	54.48	54.10	53.92	53.10	53.50	
19	54.39	54.44	55.00	54.32	54.27	53.92	53.78	54.57	53.67	53.83	53.02	53.39	
20	54.42	54.34	54.55	54.35	54.16	54.03	54.02	54.57	53.70	53.72	52.99	53.51	
21	54.36	54.34	54.90	54.36	54.14	53.94	53.92	54.60	53.95	53.79	52.98	53.51	
22	54.27	54.10	54.93	54.34	54.07	54.01	54.09	54.58	54.02	53.69	53.05	53.57	
23	54.14	54.22	54.72	54.42	54.14	53.93	54.17	54.57	53.99	53.30	53.19	53.57	
24	54.15	54.59	54.55	54.40	54.15	53.98	54.37	54.47	53.87	53.65	53.23	53.50	
25	54.26	54.54	54.52	54.32	54.15	53.95	54.23	54.54	54.26	53.73	53.28	53.50	
26	54.14	54.37	54.01	54.33	54.43	54.09	54.28	54.56	54.59	53.46	53.26	53.39	
27	54.34	54.33	54.27	54.32	54.53	55.56	54.29	54.52	54.09	53.50	53.27	53.62	
28	54.37	54.25	54.46	54.36	54.16	56.12	54.32	54.60	53.89	53.74	53.34	53.58	
29	54.45	54.12	54.59	54.39	54.20	55.89	54.42	54.42	53.58	53.77	53.31	53.56	
30	54.25	54.23	54.50	54.35	54.40	55.59	54.46	54.53	53.58	53.34		53.54	
31		54.45		54.00	54.40		54.35		53.52	53.36		53.57	
MEAN	54.35	54.33	54.39	54.29	54.28	54.42	54.42	54.47	54.12	53.40	53.33	53.49	
MAX	54.57	54.59	55.13	54.73	54.53	56.12	55.43	54.60	55.18	53.92	53.81	53.73	56.12
MIN	53.99	54.10	53.72	53.75	54.04	53.84	53.78	54.31	53.52	53.00	52.98	53.22	52.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 56.40 M (MSL), AT 24.00 HOURS, ON SEP 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 51.55 M (MSL), RIVER BED 51.02 M (MSL)
LEFT BANK ELEVATION 56.88 M (MSL)
RIGHT BANK ELEVATION 56.90 M (MSL), DRAINAGE AREA 43805 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	351.4	374.2	351.4	511.2	397.0	389.4	839.0	400.8	670.8	58.0	52.0	70.0	
2	362.8	347.6	323.0	389.4	370.4	385.6	703.0	385.6	684.6	40.8	42.2	56.0	
3	347.6	309.4	397.0	245.0	378.0	355.2	698.4	362.8	716.8	31.0	40.8	111.8	
4	420.0	366.6	239.2	329.8	340.0	316.2	611.0	362.8	601.8	24.0	116.2	80.0	
5	424.0	436.0	165.4	397.0	333.2	385.6	703.0	355.2	624.8	28.2	103.0	76.0	
6	436.0	385.6	219.6	428.0	333.2	355.2	789.7	420.0	397.0	47.8	52.0	86.0	
7	393.2	306.0	214.0	424.0	292.4	329.8	675.4	362.8	333.2	58.0	127.2	90.0	
8	412.2	309.4	248.0	397.0	347.6	295.8	703.0	393.2	239.2	47.8	178.9	80.0	
9	389.4	336.6	236.4	285.6	362.8	329.8	428.0	385.6	225.2	33.8	178.9	165.4	
10	424.0	351.4	242.0	211.3	385.6	340.0	323.0	416.0	216.8	26.8	150.4	168.1	
11	444.0	378.0	266.0	225.2	351.4	245.0	309.4	404.6	178.9	38.0	131.6	138.4	
12	428.0	295.8	245.0	173.5	370.4	359.0	333.2	359.0	184.3	35.2	118.4	80.0	
13	412.2	326.4	248.0	254.0	378.0	452.0	248.0	412.2	157.6	36.6	58.0	116.2	
14	378.0	389.4	319.6	393.2	254.0	477.0	208.6	393.2	136.0	35.2	60.0	118.4	
15	248.0	397.0	511.2	329.8	285.6	436.0	242.0	378.0	143.2	118.4	145.6	127.2	
16	239.2	285.6	606.4	282.2	385.6	374.2	233.6	343.8	285.6	165.4	189.7	118.4	
17	263.0	404.6	693.8	359.0	355.2	228.0	214.0	385.6	397.0	203.2	70.0	129.4	
18	347.6	378.0	647.8	404.6	299.2	197.8	195.1	408.4	272.0	219.6	38.0	114.0	
19	374.2	393.2	634.0	347.6	329.8	219.6	181.6	444.0	152.8	195.1	26.8	90.0	
20	385.6	355.2	436.0	359.0	292.4	251.0	248.0	444.0	160.0	165.4	22.8	116.2	
21	362.8	355.2	588.0	362.8	285.6	225.2	219.6	456.0	228.0	184.3	21.6	116.2	
22	329.8	272.0	601.8	355.2	263.0	245.0	269.0	448.0	248.0	157.6	31.0	129.4	
23	285.6	312.8	506.8	385.6	285.6	222.4	295.8	444.0	239.2	72.0	50.6	129.4	
24	289.0	452.0	436.0	378.0	289.0	236.4	366.6	404.6	205.9	148.0	58.0	114.0	
25	326.4	432.0	424.0	347.6	289.0	228.0	316.2	432.0	326.4	168.1	68.0	114.0	
26	285.6	366.6	245.0	351.4	389.4	269.0	333.2	440.0	452.0	105.2	64.0	90.0	
27	355.2	351.4	329.8	347.6	428.0	904.0	336.6	424.0	269.0	114.0	66.0	140.8	
28	366.6	323.0	400.8	362.8	292.4	1196.8	347.6	456.0	211.3	170.8	80.0	131.6	
29	397.0	278.8	452.0	374.2	306.0	1072.8	385.6	385.6	131.6	178.9	74.0	127.2	
30	323.0	316.2	416.0	359.0	378.0	919.0	400.8	428.0	131.6	80.0		122.8	
31		397.0		242.0	378.0		359.0		118.4	84.0		129.4	
TOTAL	10801.4	10983.0	11644.0	10612.6	10425.8	12240.8	12517.0	12135.8	9339.0	3071.2	2415.7	3476.3	109662.5 CMSDAY
MEAN	360.0	354.3	388.1	342.3	336.3	408.0	403.8	404.5	301.3	99.1	83.3	112.1	299.6 CMS
MAX	444.0	452.0	693.8	511.2	428.0	1196.8	839.0	456.0	716.8	219.6	189.7	168.1	1196.8 CMS
MIN	239.2	272.0	165.4	173.5	254.0	197.8	181.6	343.8	118.4	24.0	21.6	56.0	21.6 CMS
RUNOFF	933.24	948.93	1006.04	916.93	900.79	1057.60	1081.47	1048.53	806.89	265.35	208.72	300.35	9474.83 MCM

MOMENTARY PEAK 1354.00 CMS, AT 56.40 M (MSL), AT 24.00 HOURS, ON SEP 27, 1979

RUNOFF YIELD 6.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

PING RIVER AT KHANU WARALAKSABURI, KAMPHAENG PHET (P.16)

LOCATION — LAT. 16°-03'-42" N., LONG. 99°-51'-51" E., ON RIGHT BANK ABOUT 100 METERS INFRONT OF AMPHOE KHANU WARALAKSABURI OFFICE, KAMPHAENG PHET.

DRAINAGE AREA — 45,677 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +41.780 M. (M.S.L.)

BENCH MARK — B.M.-P.16

LOCATION — NEAR THE TOP STAFF GAGE.

ELEVATION — +46.604 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1954 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1960, 1967-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1960, 1967-1974

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 34 DISCHARGE MEASUREMENTS MADE DURING 1971-1974. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR AND DIVERTED FOR IRRIGATION OF ABOUT 40,300 HECTARES ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

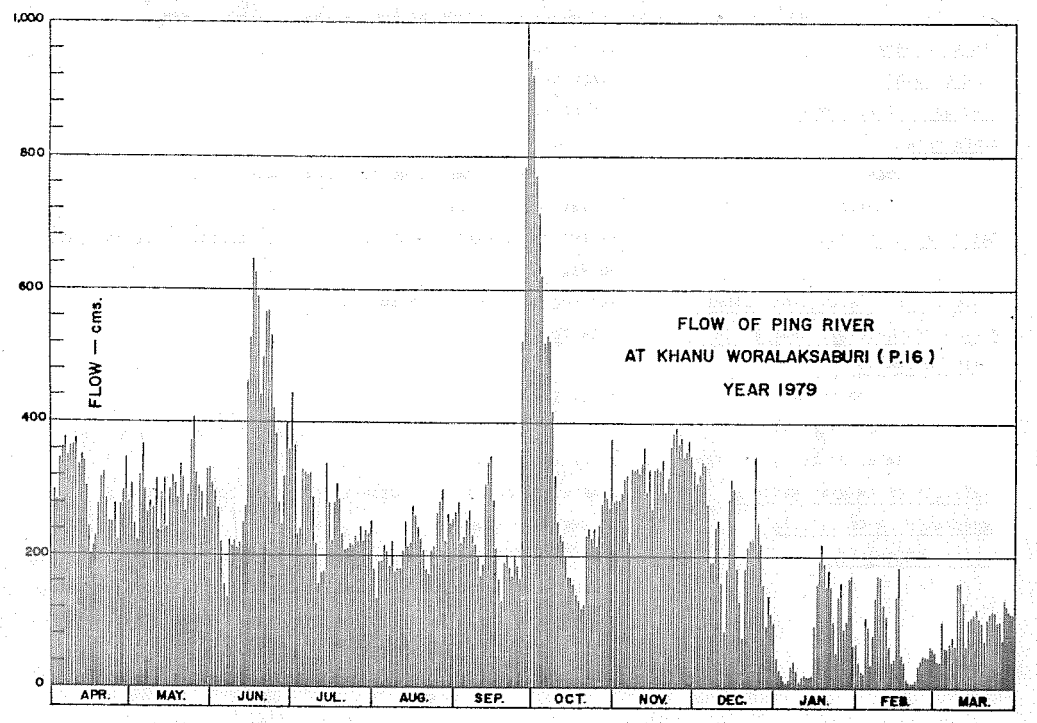
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	43.62	43.61	43.63	43.95	43.27	43.53	44.83	43.56	43.68	42.76	42.73	42.81	
2	43.60	43.55	43.60	43.77	43.14	43.54	44.58	43.57	43.63	42.66	42.67	42.75	
3	43.57	43.41	43.53	43.44	43.31	43.56	44.48	43.57	43.67	42.59	42.66	43.00	
4	43.72	43.59	43.40	43.47	43.31	43.42	44.31	43.64	43.71	42.54	43.02	42.86	
5	43.76	43.67	43.26	43.68	43.39	43.49	44.11	43.66	43.70	42.57	42.96	42.84	
6	43.79	43.77	43.13	43.67	43.35	43.54	44.13	43.41	43.55	42.70	42.73	42.88	
7	43.74	43.51	43.42	43.66	43.29	43.53	44.10	43.69	43.31	42.76	43.06	42.90	
8	43.76	43.56	43.39	43.67	43.40	43.42	43.88	43.67	43.31	42.70	43.25	42.86	
9	43.77	43.53	43.41	43.57	43.27	43.37	43.66	43.69	43.47	42.61	43.25	43.21	
10	43.79	43.55	43.37	43.40	43.28	43.31	43.51	43.67	43.49	42.56	43.15	43.22	
11	43.70	43.65	43.40	43.20	43.28	43.24	43.44	43.70	43.21	42.64	43.08	43.11	
12	43.73	43.45	43.48	43.25	43.35	43.31	43.40	43.77	42.95	42.62	43.03	42.86	
13	43.71	43.59	43.55	43.27	43.48	43.63	43.34	43.60	43.28	42.63	42.76	43.02	
14	43.61	43.64	43.96	43.70	43.38	43.71	43.24	43.68	43.58	42.62	42.77	43.03	
15	43.42	43.47	44.13	43.55	43.40	43.73	43.23	43.54	43.65	43.03	43.14	43.06	
16	43.36	43.61	44.35	43.43	43.54	43.56	43.19	43.68	43.61	43.21	43.29	43.03	
17	43.43	43.65	44.32	43.56	43.49	43.37	43.15	43.69	43.29	43.34	42.81	43.07	
18	43.57	43.62	44.24	43.63	43.45	43.18	43.12	43.67	43.12	43.40	42.64	43.01	
19	43.65	43.58	43.94	43.53	43.38	43.11	43.08	43.72	42.92	43.31	42.56	42.90	
20	43.65	43.70	44.06	43.43	43.35	43.31	43.10	43.59	43.28	43.21	42.53	43.02	
21	43.66	43.65	44.20	43.37	43.28	43.33	43.43	43.65	43.39	43.27	42.52	43.02	
22	43.51	43.53	44.20	43.38	43.24	43.28	43.46	43.77	43.41	43.18	42.59	43.07	
23	43.48	43.68	44.13	43.39	43.37	43.23	43.42	43.81	43.43	42.82	42.72	43.07	
24	43.48	43.79	43.89	43.39	43.39	43.34	43.46	43.83	43.73	43.14	42.76	43.01	
25	43.55	43.86	43.80	43.43	43.52	43.27	43.37	43.77	43.49	43.22	42.80	43.01	
26	43.41	43.66	43.55	43.40	43.56	43.23	43.47	43.80	43.39	42.97	42.78	42.90	
27	43.55	43.62	43.48	43.46	43.61	44.11	43.55	43.73	43.21	43.01	42.79	43.12	
28	43.60	43.59	43.65	43.41	43.41	44.61	43.60	43.75	42.98	43.23	42.86	43.08	
29	43.73	43.50	43.85	43.45	43.50	45.14	43.58	43.79	43.14	43.25	42.83	43.06	
30	43.56	43.68	43.75	43.44	43.52	44.88	43.55	43.74	43.05	42.86		43.05	
31		43.69		43.49	43.48		43.79		43.01	42.87		43.07	
MEAN	43.62	43.61	43.74	43.50	43.39	43.58	43.63	43.68	43.38	42.91	42.85	43.00	
MAX	43.79	43.86	44.35	43.95	43.61	45.14	44.83	43.83	43.73	43.40	43.29	43.22	45.14
MIN	43.36	43.41	43.13	43.20	43.14	43.11	43.08	43.41	42.92	42.54	42.52	42.75	42.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 45.21 M (MSL), AT 8.00 HOURS, ON SEP 29, 1979

ZERO GAGE AT BOTTOM ELEVATION 41.78 M (MSL), RIVER BED M (MSL)

LEFT BANK ELEVATION M (MSL)

RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 45677 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	303.2	299.1	307.3	445.0	176.4	267.7	910.7	279.4	327.8	40.0	34.0	50.4	
2	295.0	275.5	295.0	365.4	136.0	271.6	766.8	283.3	307.3	22.0	23.5	38.0	
3	283.3	221.8	267.7	233.2	189.2	279.4	711.2	283.3	323.7	12.0	22.0	97.0	
4	344.4	291.1	218.0	244.6	189.2	225.6	621.2	311.4	340.2	7.0	102.4	62.4	
5	361.2	323.7	173.2	327.8	214.8	252.2	519.1	319.6	336.0	10.0	87.0	57.6	
6	373.8	365.4	133.0	323.7	202.0	271.6	529.3	221.8	275.5	28.0	34.0	67.2	
7	352.8	259.9	225.6	319.6	182.8	267.7	514.0	331.9	189.2	40.0	113.2	72.0	
8	361.2	279.4	214.8	323.7	218.0	225.6	413.2	323.7	189.2	28.0	170.0	62.4	
9	365.4	267.7	221.8	283.3	176.4	208.4	319.6	331.9	244.6	14.5	170.0	157.2	
10	373.8	275.5	208.4	218.0	179.6	189.2	259.9	323.7	252.2	9.0	139.0	160.4	
11	336.0	315.5	218.0	154.0	179.6	166.8	233.2	336.0	157.2	19.0	118.6	127.0	
12	348.6	237.0	248.4	170.0	202.0	189.2	218.0	365.4	84.5	16.0	105.1	62.4	
13	340.2	291.1	275.5	176.4	248.4	307.3	198.8	295.0	179.6	17.5	40.0	102.4	
14	299.1	311.4	449.6	336.0	211.6	340.2	166.8	327.8	287.2	16.0	42.0	105.1	
15	225.6	244.6	529.3	275.5	218.0	348.6	163.6	271.6	315.5	105.1	136.0	113.2	
16	205.2	299.1	642.0	229.4	271.6	279.4	151.0	327.8	299.1	157.2	182.8	105.1	
17	229.4	315.5	626.4	279.4	252.2	208.4	139.0	331.9	182.8	198.8	50.4	115.9	
18	283.3	303.2	585.4	307.3	237.0	148.0	130.0	323.7	130.0	218.0	19.0	99.7	
19	315.5	287.2	440.4	267.7	211.6	127.0	118.6	344.4	77.0	189.2	9.0	72.0	
20	315.5	336.0	495.6	229.4	202.0	189.2	124.0	291.1	179.6	157.2	6.0	102.4	
21	319.6	315.5	565.0	208.4	179.6	195.6	229.4	315.5	214.8	176.4	5.0	102.4	
22	259.9	267.7	565.0	211.6	166.8	179.6	240.8	365.4	221.8	148.0	12.0	115.9	
23	248.4	327.8	529.3	214.8	208.4	163.6	225.6	382.4	229.4	52.8	32.0	115.9	
24	248.4	373.8	417.6	214.8	214.8	198.8	240.8	391.2	348.6	136.0	40.0	99.7	
25	275.5	404.4	378.0	229.4	263.8	176.4	208.4	365.4	252.2	160.4	48.0	99.7	
26	221.8	319.6	275.5	218.0	279.4	163.6	244.6	378.0	214.8	89.5	44.0	72.0	
27	275.5	303.2	248.4	240.8	299.1	519.1	275.5	348.6	157.2	99.7	46.0	130.0	
28	295.0	291.1	315.5	221.8	221.8	783.6	295.0	357.0	92.0	163.6	62.4	118.6	
29	348.6	256.0	400.0	237.0	256.0	1106.8	287.2	373.8	136.0	170.0	55.2	113.2	
30	279.4	327.8	357.0	233.2	263.8	940.2	275.5	352.8	110.5	62.4		110.5	
31		331.9		252.2	248.4		373.8		99.7	64.8		115.9	
TOTAL	9084.6	9318.5	10826.7	7991.4	6700.3	9190.4	10104.6	9854.8	6755.2	2628.1	1948.6	3023.6	87426.7 CMSDAY
MEAN	302.8	300.6	360.9	257.8	216.1	306.3	326.0	328.5	217.9	84.8	67.2	97.5	238.9 CMS
MAX	373.8	404.4	642.0	445.0	299.1	1106.8	910.7	391.2	348.6	218.0	182.8	160.4	1106.8 CMS
MIN	205.2	221.8	133.0	154.0	136.0	127.0	118.6	221.8	77.0	7.0	5.0	38.0	5.0 CMS
RUNOFF	784.91	805.12	935.43	690.46	578.91	794.05	873.04	851.45	583.65	227.07	168.36	261.24	7553.66 MCM

MOMENTARY PEAK 1153.70 CMS, AT 45.21 M (MSL), AT 8.00 HOURS, ON SEP 29, 1979

RUNOFF YIELD 5.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

PING RIVER AT BANPHOT PHISAI, NAKHON SAWAN (P.17)

LOCATION — LAT. 15°-56'-02" N., LONG. 99°-58'-49" E., ON RIGHT BANK ABOUT 300 METERS UPSTREAM FROM DISTRICT OFFICE, TAMBON SIEO, AMPHOE BANPHOT PHISAI, NAKHON SAWAN.

DRAINAGE AREA — 45.851 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +32.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — AT THE FOOT OF THE SLING POLE NEAR GAGE SITE.

ELEVATION — +37.697 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 — 1954 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1960, 1967-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1960, 1967-1974

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

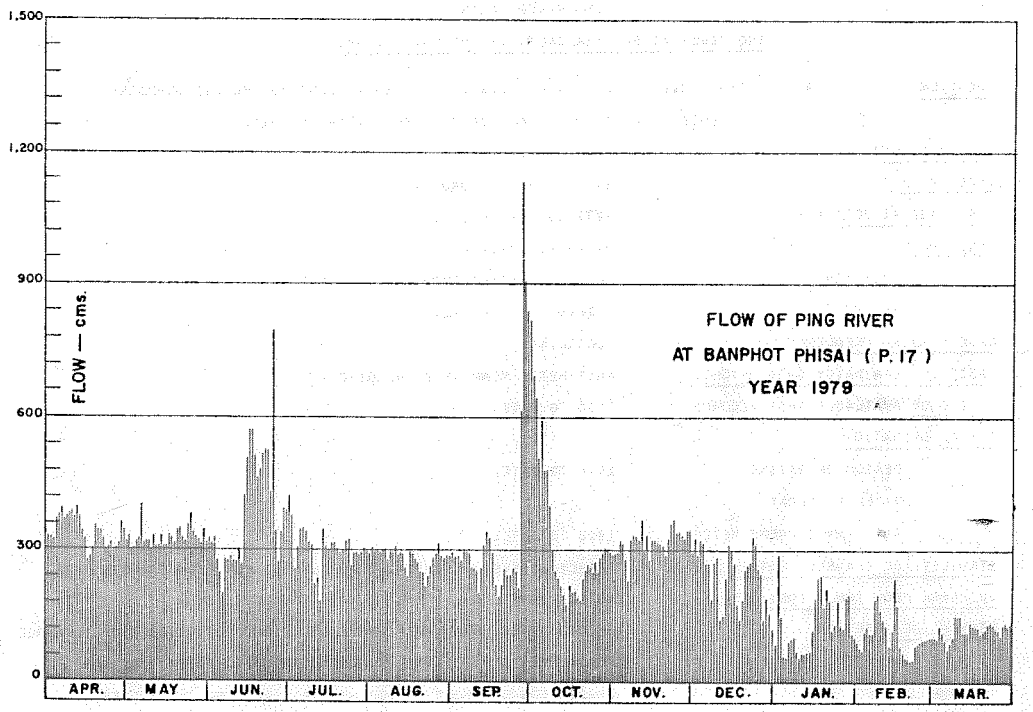
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 90 DISCHARGE MEASUREMENTS MADE DURING 1967-1971. FLOW REGULATED BY PHUMIPHOL DAM RESERVOIR AND DIVERTED FOR IRRIGATION OF ABOUT 40,300 HECTARES ABOVE GAGE SITE.

REMARKS — GAGE HEIGHT DURING SEP 29-OCT 15,1979 USED CORRELATION BETWEEN P.16 & P.17.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	35.45	35.41	35.43	35.73	35.31	35.34	36.71	35.33	35.33	34.54	34.46	34.52	
2	35.45	35.45	35.39	35.63	35.37	35.33	36.43	35.31	35.43	34.40	34.36	34.48	
3	35.43	35.35	35.43	35.47	35.34	35.30	36.32	35.34	35.32	35.32	34.30	34.66	
4	35.56	35.39	35.31	35.19	35.36	35.31	36.12	35.42	35.43	34.25	34.57	34.60	
5	35.59	35.42	35.21	35.47	35.34	35.26	35.88	35.41	35.41	34.20	34.64	34.53	
6	35.64	35.67	34.93	35.52	35.35	35.36	35.91	35.28	35.25	34.42	34.56	34.34	
7	35.56	35.40	35.28	35.49	35.36	35.34	35.87	35.12	35.25	34.48	34.58	34.47	
8	35.59	35.41	35.27	35.48	35.28	35.33	35.63	35.43	34.93	34.51	34.93	34.51	
9	35.60	35.41	35.30	35.40	35.35	35.20	35.37	35.48	35.25	34.36	34.98	34.80	
10	35.62	35.35	35.27	35.38	35.34	35.21	35.20	35.43	35.29	34.19	34.83	34.77	
11	35.57	35.46	35.26	35.07	35.39	35.17	35.12	35.43	35.11	34.30	34.75	34.76	
12	35.65	35.37	35.36	35.13	35.31	35.00	35.07	35.58	34.72	34.28	34.69	34.57	
13	35.59	35.37	35.23	34.92	35.34	35.37	35.00	35.35	34.89	34.30	34.54	34.57	
14	35.50	35.45	35.74	35.50	35.31	35.44	34.89	35.47	35.27	34.31	34.32	34.57	
15	35.42	35.38	35.88	35.37	35.15	35.49	34.88	35.27	35.39	34.46	34.58	34.70	
16	35.27	35.38	36.12	35.35	35.34	35.39	35.07	35.43	35.34	34.93	35.11	34.63	
17	35.30	35.47	36.13	35.40	35.33	35.31	34.95	35.42	35.24	35.11	34.60	34.66	
18	35.37	35.44	36.04	35.42	35.28	35.07	34.99	35.41	34.86	35.15	34.36	34.65	
19	35.52	35.39	35.84	35.38	35.26	34.96	34.93	35.40	34.70	35.15	34.23	34.56	
20	35.49	35.50	35.89	35.34	35.18	35.08	34.89	35.39	34.98	34.86	34.18	34.60	
21	35.49	35.51	35.99	35.32	35.18	35.21	35.13	35.31	35.20	35.04	34.15	34.62	
22	35.42	35.43	36.02	35.40	35.04	35.14	35.23	35.47	35.23	34.87	34.17	34.70	
23	35.36	35.41	36.01	35.43	35.15	35.15	35.23	35.54	35.26	34.98	34.37	34.70	
24	35.37	35.54	35.76	35.36	35.21	35.20	35.18	35.58	35.45	34.72	34.42	34.62	
25	35.40	35.61	36.67	35.21	35.29	35.18	35.25	35.49	35.39	34.92	34.46	34.61	
26	35.35	35.48	35.52	35.33	35.31	35.04	35.16	35.53	35.21	34.66	34.48	34.53	
27	35.37	35.45	35.26	35.33	35.40	35.75	35.30	35.48	35.15	34.61	34.48	34.67	
28	35.41	35.42	35.47	35.31	35.32	37.36	35.32	35.44	34.71	34.94	34.50	34.69	
29	35.55	35.38	35.65	35.32	35.29	37.02	35.35	35.50	34.93	34.98	34.57	34.65	
30	35.48	35.16	35.63	35.36	35.32	36.76	35.38	35.50	34.81	34.58		34.68	
31		35.41		35.34	35.31		35.35		34.69	34.51		34.68	
MEAN	35.48	35.43	35.61	35.37	35.29	35.44	35.39	35.42	35.14	34.64	34.52	34.62	
MAX	35.65	35.67	36.67	35.73	35.40	37.36	36.71	35.58	35.45	35.32	35.11	34.80	37.36
MIN	35.27	35.16	34.93	34.92	35.04	34.96	34.88	35.12	34.69	34.19	34.15	34.34	34.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 37.48 M (MSL), AT 12.00 HOURS, ON SEP 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 32.00 M (MSL), RIVER BED 31.29 M (MSL)
LEFT BANK ELEVATION 37.51 M (MSL)
RIGHT BANK ELEVATION 37.60 M (MSL), DRAINAGE AREA 45851 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	333.5	321.1	327.3	425.2	290.1	299.4	814.7	296.3	296.3	110.2	96.6	106.6	
2	333.5	333.5	314.9	391.9	308.7	296.3	693.3	290.1	327.3	87.0	81.0	99.8	
3	327.3	302.5	327.3	339.7	299.4	287.0	649.0	299.4	293.2	293.2	72.0	132.4	
4	368.8	314.9	290.1	256.3	305.6	290.1	569.8	324.2	327.3	65.0	115.6	121.0	
5	378.7	324.2	261.8	339.7	299.4	275.8	478.6	321.1	321.1	58.0	128.6	108.4	
6	395.2	405.1	190.9	355.6	302.5	305.6	489.7	281.4	273.0	90.2	113.8	78.0	
7	368.8	318.0	281.4	345.9	305.6	299.4	474.9	237.4	273.0	99.8	117.4	98.2	
8	378.7	321.1	278.6	342.8	281.4	296.3	391.9	327.3	190.9	104.8	190.9	104.8	
9	382.0	321.1	287.0	318.0	302.5	259.0	308.7	342.8	273.0	81.0	202.4	162.0	
10	388.6	302.5	278.6	311.8	299.4	261.8	259.0	327.3	284.2	56.7	168.6	155.4	
11	372.1	336.6	275.8	224.5	314.9	250.9	237.4	327.3	234.7	72.0	151.0	153.2	
12	398.5	308.7	305.6	240.1	290.1	207.0	224.5	375.4	144.4	69.2	138.1	115.6	
13	378.7	308.7	267.4	188.6	299.4	308.7	207.0	302.5	181.8	72.0	110.2	115.6	
14	349.0	333.5	428.6	349.0	290.1	330.4	181.8	339.7	278.6	73.5	75.0	115.6	
15	324.2	311.8	478.6	308.7	245.5	345.9	179.6	278.6	314.9	96.6	117.4	140.0	
16	278.6	311.8	569.8	302.5	299.4	314.9	224.5	327.3	299.4	190.9	234.7	126.7	
17	287.0	339.7	573.7	318.0	296.3	290.1	195.5	324.2	270.2	234.7	121.0	132.4	
18	308.7	330.4	538.6	324.2	281.4	224.5	204.7	321.1	175.2	245.5	81.0	130.5	
19	355.6	314.9	463.8	311.8	275.8	197.8	190.9	318.0	140.0	245.5	62.2	113.8	
20	345.9	349.0	482.3	299.4	253.6	227.0	181.8	314.9	202.4	175.2	55.4	121.0	
21	345.9	352.3	519.3	293.2	253.6	261.8	240.1	290.1	259.0	217.0	51.5	124.8	
22	324.2	327.3	530.8	318.0	217.0	242.8	267.4	339.7	267.4	177.4	54.1	140.0	
23	305.6	321.1	526.9	327.3	245.5	245.5	267.4	362.2	275.8	117.4	82.5	140.0	
24	308.7	362.2	435.4	305.6	261.8	259.0	253.6	375.4	333.5	144.4	90.2	124.8	
25	318.0	385.3	796.5	261.8	284.2	253.6	273.0	345.9	314.9	188.6	96.6	122.9	
26	302.5	342.8	355.6	296.3	290.1	217.0	248.2	358.9	261.8	132.4	99.8	108.4	
27	308.7	333.5	275.8	296.3	318.0	432.0	287.0	342.8	245.5	122.9	99.8	134.3	
28	321.1	324.2	339.7	290.1	293.2	1131.8	293.2	330.4	142.2	193.2	103.0	138.1	
29	365.5	311.8	398.5	293.2	284.2	960.4	302.5	349.0	190.9	202.4	115.6	130.5	
30	342.8	248.2	391.9	305.6	293.2	838.2	311.8	349.0	164.2	117.4		136.2	
31		321.1		299.4	290.1		302.5		138.1	104.8		136.2	
TOTAL	10296.4	10138.9	11792.5	9580.5	8872.0	10410.0	10204.0	9719.7	7694.2	4238.9	3226.0	3867.2	100040.2 CMSDAY
MEAN	343.2	327.1	393.1	309.0	286.2	347.0	329.2	324.0	248.2	136.7	111.2	124.7	273.3 CMS
MAX	398.5	405.1	796.5	425.2	318.0	1131.8	814.7	375.4	333.5	293.2	234.7	162.0	1131.8 CMS
MIN	278.6	248.2	190.9	188.6	217.0	197.8	179.6	237.4	138.1	56.7	51.5	78.0	51.5 CMS
RUNOFF	889.61	876.00	1018.87	827.75	766.54	899.42	881.62	839.78	664.78	366.24	278.73	334.13	8643.47 MCM

MOMENTARY PEAK 1197.00 CMS, AT 37.48 M (MSL), AT 12.00 HOURS, ON SEP 28, 1979

RUNOFF YIELD 5.96 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

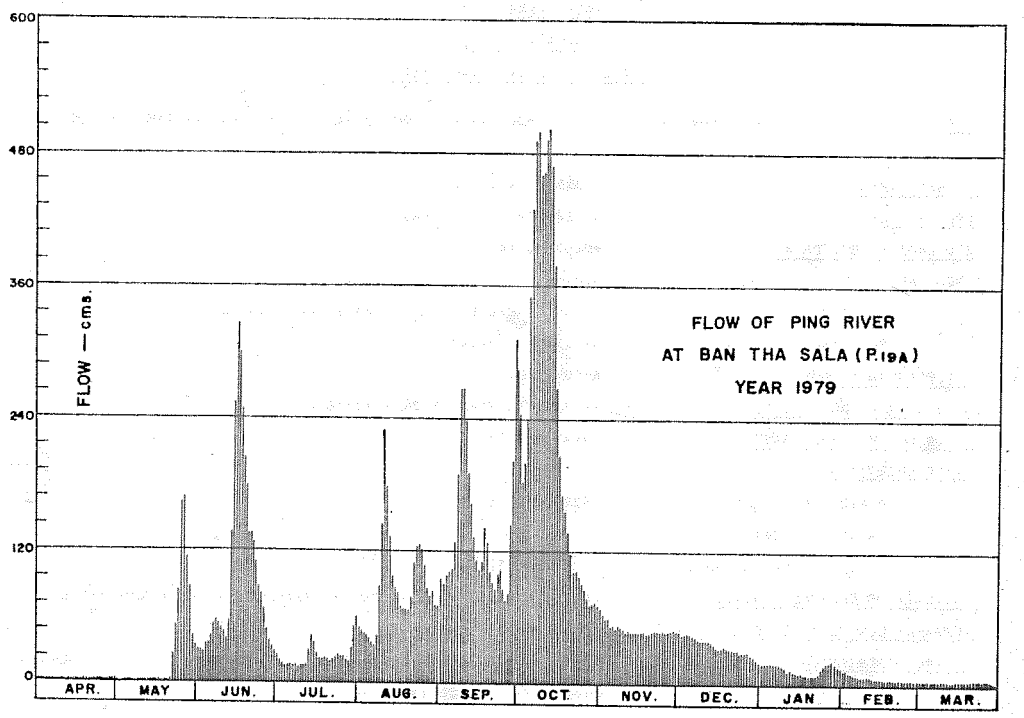
PING RIVER AT BAN THA SALA, CHIANG MAI (P.19A)

LOCATION	LAT. 18°25'29" N., LONG. 98°42'17" E., ON LEFT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE WITH LI RIVER, AMPHOE CHOM THONG, CHIANG MAI.
DRAINAGE AREA	14,023 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+271.351 M. (M.S.L.)
BENCH MARK	B.M.=H.S./R.I.D.
LOCATION	ABOUT 11 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+276.620 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1958 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1958 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 110 DISCHARGE MEASUREMENTS MADE IN 1979. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 28,000 HECTARES AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	271.77	271.73	272.43	272.36	272.66	273.03	273.99	272.82	272.62	272.25	272.12	271.91	
2	271.77	271.71	272.40	272.26	272.60	273.02	273.85	272.78	272.61	272.23	272.07	271.90	
3	271.75	271.70	272.46	272.24	272.58	273.01	273.62	272.74	272.62	272.20	272.05	271.90	
4	271.74	271.71	272.52	272.23	272.56	273.09	273.94	272.72	272.62	272.19	272.04	271.90	
5	271.74	271.73	272.52	272.23	272.52	273.09	274.55	272.67	272.62	272.17	272.02	271.90	
6	271.74	271.73	272.66	272.24	272.51	273.15	274.77	272.67	272.60	272.16	272.02	271.90	
7	271.74	271.72	272.72	272.22	272.49	273.34	275.02	272.66	272.57	272.16	272.01	271.90	
8	271.74	271.72	272.72	272.19	272.62	273.71	275.03	272.67	272.55	272.15	271.99	271.90	
9	271.73	271.72	272.70	272.21	273.26	274.05	274.89	272.65	272.55	272.13	271.98	271.91	
10	271.72	271.72	272.64	272.23	273.83	274.03	274.91	272.62	272.54	272.10	271.98	271.91	
11	271.72	271.73	272.59	272.19	273.73	273.81	275.04	272.61	272.56	272.09	271.97	271.91	
12	271.71	271.72	272.54	272.22	273.39	273.56	275.05	272.60	272.55	272.09	271.97	271.90	
13	271.71	271.71	272.80	272.48	273.18	273.35	274.89	272.60	272.53	272.10	271.96	271.90	
14	271.74	271.70	273.71	272.59	273.09	273.21	274.47	272.61	272.49	272.08	271.95	271.90	
15	271.74	271.70	274.19	272.45	272.98	273.14	274.09	272.62	272.48	272.07	271.94	271.90	
16	271.73	271.70	274.30	272.36	272.90	273.07	273.79	272.62	272.48	272.07	271.95	271.90	
17	271.72	271.70	274.12	272.29	272.85	273.18	273.55	272.63	272.49	272.07	271.95	271.90	
18	271.72	271.69	273.89	272.30	272.82	273.36	273.38	272.61	272.51	272.06	271.96	271.90	
19	271.72	271.69	273.58	272.30	272.81	273.26	273.24	272.61	272.48	272.06	271.94	271.90	
20	271.73	271.70	273.33	272.27	272.82	273.12	273.15	272.62	272.46	272.06	271.93	271.90	
21	271.72	271.77	273.33	272.26	272.93	273.00	273.10	272.63	272.43	272.06	271.93	271.89	
22	271.72	272.29	273.26	272.31	273.19	272.95	273.13	272.65	272.41	272.07	271.93	271.89	
23	271.71	272.66	273.16	272.37	273.27	273.08	273.09	272.65	272.41	272.13	271.92	271.90	
24	271.70	272.89	273.04	272.37	273.29	273.11	273.04	272.63	272.40	272.20	271.93	271.90	
25	271.69	273.47	272.94	272.35	273.22	272.98	272.99	272.65	272.38	272.24	271.93	271.90	
26	271.70	273.54	272.81	272.33	273.11	272.91	272.93	272.64	272.35	272.26	271.92	271.89	
27	271.73	273.42	272.63	272.31	273.03	272.97	272.88	272.67	272.34	272.28	271.92	271.89	
28	271.74	273.12	272.50	272.29	273.02	273.43	272.86	272.66	272.30	272.24	271.91	271.89	
29	271.74	272.82	272.42	272.47	273.04	273.78	272.87	272.66	272.27	272.21	271.91	271.89	
30	271.74	272.61	272.38	272.72	272.95	274.25	272.86	272.63	272.27	272.17		271.89	
31		272.48		272.74	272.92		272.83		272.27	272.13		271.89	
MEAN	271.73	272.11	272.98	272.33	272.97	273.30	273.80	272.65	272.48	272.14	271.97	271.90	
MAX	271.77	273.54	274.30	272.74	273.83	274.25	275.05	272.82	272.62	272.28	272.12	271.91	275.05
MIN	271.69	271.69	272.38	272.19	272.49	272.91	272.83	272.60	272.27	272.06	271.91	271.89	271.69

ANNUAL MAX MOMENTARY GAGE HEIGHT 275.09 M (MSL), AT 20.00 HOURS, ON OCT 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 271.35 M (MSL), RIVER BED 271.14 M (MSL)
LEFT BANK ELEVATION 276.39 M (MSL)
RIGHT BANK ELEVATION 279.23 M (MSL), DRAINAGE AREA 14023 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	0.60	31.10	26.20	51.00	94.20	256.00	68.20	47.00	19.00	12.00	4.30	
2	1.40	0.20	29.00	19.60	45.00	92.79	228.00	63.80	46.00	17.80	9.80	4.00	
3	1.00	0.00	33.20	18.40	43.20	91.39	185.60	59.40	47.00	16.00	9.00	4.00	
4	0.80	0.20	37.80	17.80	41.40	102.60	245.99	57.20	47.00	15.50	8.60	4.00	
5	0.80	0.60	37.80	17.80	37.80	102.60	380.01	52.00	47.00	14.50	7.80	4.00	
6	0.80	0.60	51.00	18.40	36.90	111.00	432.80	52.00	45.00	14.00	7.80	4.00	
7	0.80	0.40	57.20	17.20	35.30	138.40	495.20	51.00	42.30	14.00	7.40	4.00	
8	0.80	0.40	57.20	15.50	47.00	201.79	497.80	52.00	40.50	13.50	6.70	4.00	
9	0.60	0.40	55.00	16.60	126.39	268.00	461.60	50.00	40.50	12.50	6.40	4.30	
10	0.40	0.40	49.00	17.80	223.99	264.00	466.60	47.00	39.60	11.00	6.40	4.30	
11	0.40	0.60	44.10	15.50	205.40	220.00	500.40	46.00	41.40	10.60	6.10	4.30	
12	0.20	0.40	39.60	17.20	146.39	174.80	503.00	45.00	40.50	10.60	6.10	4.00	
13	0.20	0.20	66.00	34.60	115.20	140.00	461.60	45.00	38.70	11.00	5.80	4.00	
14	0.80	0.00	201.79	44.10	102.60	119.40	360.80	46.00	35.30	10.20	5.50	4.00	
15	0.80	0.00	297.79	32.50	87.40	109.59	276.00	47.00	34.60	9.80	5.20	4.00	
16	0.60	0.00	322.00	26.20	77.00	99.79	216.20	47.00	34.60	9.80	5.50	4.00	
17	0.40	0.00	282.40	21.40	71.50	115.20	179.00	48.00	35.30	9.80	5.50	4.00	
18	0.40	0.00	235.99	22.00	68.20	141.60	144.79	46.00	36.90	9.40	5.80	4.00	
19	0.40	0.00	178.39	22.00	67.10	126.39	123.60	46.00	34.60	9.40	5.20	4.00	
20	0.60	0.00	136.79	20.20	68.20	106.80	111.00	47.00	33.20	9.40	4.90	4.00	
21	0.40	1.40	136.79	19.60	80.90	90.00	104.00	48.00	31.10	9.40	4.90	3.80	
22	0.40	21.40	126.39	22.70	116.59	83.50	108.19	50.00	29.70	9.80	4.90	3.80	
23	0.20	51.00	112.40	26.90	127.80	101.19	102.60	50.00	29.70	12.50	4.60	4.00	
24	0.00	75.90	95.60	26.90	130.60	105.40	95.60	48.00	29.00	16.00	4.90	4.00	
25	0.00	159.20	82.20	25.50	120.80	87.40	88.70	50.00	27.60	18.40	4.90	4.00	
26	0.00	171.20	67.10	24.10	105.40	78.30	80.90	49.00	25.50	19.60	4.60	3.80	
27	0.60	151.20	48.00	22.70	94.20	86.10	74.80	52.00	24.80	20.80	4.60	3.80	
28	0.80	106.80	36.00	21.40	92.79	152.80	72.60	51.00	22.00	18.40	4.30	3.80	
29	0.80	68.20	30.40	33.90	95.60	214.40	73.70	51.00	20.20	16.60	4.30	3.80	
30	0.80	46.00	27.60	57.20	83.50	311.01	72.60	48.00	20.20	14.50		3.80	
31		34.60		59.40	79.60		69.30		20.20	12.50		3.80	
TOTAL	17.60	891.90	3005.63	781.30	2824.75	4130.44	7462.97	1512.60	1087.00	416.30	179.50	123.60	22433.56 CMSDAY
MEAN	0.59	28.77	100.19	25.20	91.12	137.68	240.74	50.42	35.06	13.43	6.19	3.99	61.29 CMS
MAX	1.40	171.20	322.00	59.40	223.99	311.01	503.00	68.20	47.00	20.80	12.00	4.30	503.00 CMS
MIN	0.00	0.00	27.60	15.50	35.30	78.30	69.30	45.00	20.20	9.40	4.30	3.80	0.00 CMS
RUNOFF	1.521	77.060	259.686	67.504	244.058	356.870	644.801	130.689	93.917	35.968	15.509	10.679	1938.259 MCM

MOMENTARY PEAK 513.40 CMS, AT 275.09 M (MSL), AT 20.00 HOURS, ON OCT 7, 1979

RUNOFF YIELD 4.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

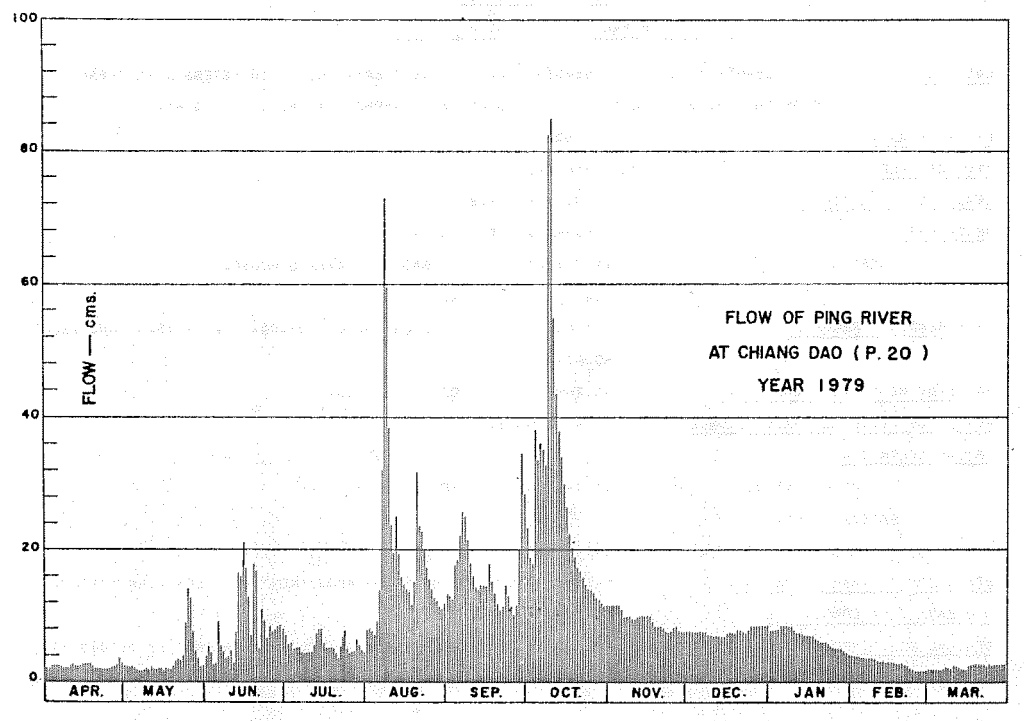
PING RIVER AT CHIANG DAO, CHIANG MAI (P.20)

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

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.61	0.68	0.72	0.74	0.84	0.99	0.81	0.73	0.74	0.65	0.60	
2	0.60	0.61	0.67	0.69	0.74	0.83	0.93	0.81	0.73	0.74	0.65	0.60	
3	0.61	0.61	0.62	0.70	0.73	0.82	0.91	0.81	0.73	0.74	0.65	0.60	
4	0.61	0.61	0.62	0.68	0.72	0.91	1.15	0.81	0.73	0.74	0.65	0.60	
5	0.61	0.59	0.76	0.68	0.78	0.92	1.10	0.81	0.73	0.75	0.64	0.59	
6	0.61	0.59	0.68	0.68	0.90	0.98	1.13	0.79	0.73	0.75	0.64	0.59	
7	0.60	0.58	0.66	0.66	1.13	1.01	1.12	0.77	0.73	0.75	0.64	0.61	
8	0.60	0.58	0.64	0.66	1.47	1.00	1.09	0.78	0.73	0.75	0.64	0.61	
9	0.60	0.60	0.64	0.66	1.19	0.92	1.55	0.78	0.72	0.75	0.64	0.61	
10	0.61	0.60	0.67	0.66	1.02	0.90	1.57	0.77	0.72	0.74	0.64	0.60	
11	0.62	0.61	0.62	0.66	0.93	0.87	1.33	0.77	0.72	0.73	0.64	0.62	
12	0.61	0.60	0.71	0.70	1.00	0.85	1.24	0.78	0.72	0.73	0.63	0.61	
13	0.61	0.59	0.89	0.74	0.92	0.86	1.17	0.78	0.72	0.73	0.63	0.61	
14	0.61	0.60	0.88	0.74	0.88	0.86	1.12	0.78	0.72	0.72	0.63	0.60	
15	0.62	0.60	0.95	0.70	0.86	0.86	1.07	0.78	0.72	0.72	0.63	0.60	
16	0.62	0.60	0.89	0.68	0.85	0.85	1.03	0.78	0.73	0.72	0.63	0.61	
17	0.62	0.60	0.82	0.68	0.84	0.91	0.98	0.78	0.73	0.72	0.62	0.62	
18	0.62	0.59	0.72	0.68	0.81	0.86	0.94	0.75	0.73	0.71	0.62	0.62	
19	0.60	0.60	0.91	0.68	0.88	0.83	0.93	0.75	0.73	0.71	0.62	0.62	
20	0.60	0.63	0.89	0.66	1.08	0.81	0.90	0.74	0.74	0.70	0.62	0.62	
21	0.60	0.64	0.68	0.64	0.98	0.79	0.89	0.75	0.74	0.70	0.62	0.62	
22	0.60	0.63	0.80	0.70	0.97	0.81	0.88	0.74	0.73	0.70	0.62	0.62	
23	0.60	0.66	0.76	0.73	0.93	0.86	0.86	0.73	0.73	0.70	0.61	0.61	
24	0.60	0.85	0.71	0.68	0.89	0.83	0.85	0.73	0.74	0.69	0.60	0.62	
25	0.60	0.83	0.75	0.66	0.87	0.80	0.85	0.74	0.75	0.68	0.59	0.61	
26	0.61	0.76	0.73	0.66	0.85	0.78	0.84	0.75	0.75	0.68	0.59	0.62	
27	0.61	0.69	0.74	0.67	0.82	0.81	0.83	0.74	0.75	0.68	0.59	0.62	
28	0.64	0.64	0.75	0.71	0.82	0.86	0.82	0.73	0.75	0.68	0.58	0.62	
29	0.64	0.62	0.75	0.69	0.80	1.11	0.83	0.73	0.75	0.67	0.59	0.62	
30	0.61	0.60	0.74	0.67	0.80	1.07	0.81	0.73	0.75	0.66		0.62	
31		0.62		0.66	0.82		0.81		0.75	0.65		0.62	
MEAN	0.61	0.63	0.74	0.68	0.90	0.88	1.02	0.77	0.73	0.71	0.62	0.61	
MAX	0.64	0.85	0.95	0.74	1.47	1.11	1.57	0.81	0.75	0.75	0.65	0.62	1.57
MIN	0.60	0.58	0.62	0.64	0.72	0.78	0.81	0.73	0.72	0.65	0.58	0.59	0.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.83 M (A.D), AT 1.00 HOURS, ON OCT 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 5.40 M (A.D)
RIGHT BANK ELEVATION 7.89 M (A.D), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	2.40	5.20	7.00	8.00	13.40	24.20	11.60	7.50	8.00	4.00	2.00	
2	2.00	2.40	4.80	5.60	8.00	12.80	19.40	11.60	7.50	8.00	4.00	2.00	
3	2.40	2.40	2.80	6.00	7.50	12.20	17.80	11.60	7.50	8.00	4.00	2.00	
4	2.40	2.40	2.80	5.20	7.00	17.80	38.25	11.60	7.50	8.00	4.00	2.00	
5	2.40	1.80	9.00	5.20	10.00	18.60	33.50	11.60	7.50	8.50	3.60	1.80	
6	2.40	1.80	5.20	5.20	17.00	23.40	36.35	10.50	7.50	8.50	3.60	1.80	
7	2.00	1.60	4.40	4.40	36.35	25.85	35.40	9.50	7.50	8.50	3.60	2.40	
8	2.00	1.60	3.60	4.40	72.66	25.00	32.65	10.00	7.50	8.50	3.60	2.40	
9	2.00	2.00	3.60	4.40	42.05	18.60	82.25	10.00	7.00	8.50	3.60	2.40	
10	2.40	2.00	4.80	4.40	26.70	17.00	84.67	9.50	7.00	8.00	3.60	2.00	
11	2.80	2.40	2.80	4.40	19.40	15.20	56.42	9.50	7.00	7.50	3.60	2.80	
12	2.40	2.00	6.50	6.00	25.00	14.00	47.00	10.00	7.00	7.50	3.20	2.40	
13	2.40	1.80	16.40	8.00	18.60	14.60	40.15	10.00	7.00	7.50	3.20	2.40	
14	2.40	2.00	15.80	8.00	15.80	14.60	35.40	10.00	7.00	7.00	3.20	2.00	
15	2.80	2.00	21.00	6.00	14.60	14.60	30.95	10.00	7.00	7.00	3.20	2.00	
16	2.80	2.00	16.40	5.20	14.00	14.00	27.55	10.00	7.50	7.00	3.20	2.40	
17	2.80	2.00	12.20	5.20	13.40	17.80	23.40	10.00	7.50	7.00	2.80	2.80	
18	2.80	1.80	7.00	5.20	11.60	14.60	20.20	8.50	7.50	6.50	2.80	2.80	
19	2.00	2.00	17.80	5.20	15.80	12.80	19.40	8.50	7.50	6.50	2.80	2.80	
20	2.00	3.20	16.40	4.40	31.80	11.60	17.00	8.00	8.00	6.00	2.80	2.80	
21	2.00	3.60	5.20	3.60	23.40	10.50	16.40	8.50	8.00	6.00	2.80	2.80	
22	2.00	3.20	11.00	6.00	22.60	11.60	15.80	8.00	7.50	6.00	2.80	2.80	
23	2.00	4.40	9.00	7.50	19.40	14.60	14.60	7.50	7.50	6.00	2.40	2.40	
24	2.00	14.00	6.50	5.20	16.40	12.80	14.00	7.50	8.00	5.60	2.00	2.80	
25	2.00	12.80	8.50	4.40	15.20	11.00	14.00	8.00	8.50	5.20	1.80	2.40	
26	2.40	9.00	7.50	4.40	14.00	10.00	13.40	8.50	8.50	5.20	1.80	2.80	
27	2.40	5.60	8.00	4.80	12.20	11.60	12.80	8.00	8.50	5.20	1.80	2.80	
28	3.60	3.60	8.50	6.50	12.20	14.60	12.20	7.50	8.50	5.20	1.60	2.80	
29	3.60	2.80	8.50	5.60	11.00	34.45	12.80	7.50	8.50	4.80	1.80	2.80	
30	2.40	2.00	8.00	4.80	11.00	30.95	11.60	7.50	8.50	4.40		2.80	
31		2.80		4.40	12.20		11.60		8.50	4.00		2.80	
TOTAL	71.60	105.40	259.20	166.60	584.86	490.55	871.14	280.50	237.50	209.60	87.20	76.00	3440.15 CMSDAY
MEAN	2.39	3.40	8.64	5.37	18.87	16.35	28.10	9.35	7.66	6.76	3.01	2.45	9.40 CMS
MAX	3.60	14.00	21.00	8.00	72.66	34.45	84.67	11.60	8.50	8.50	4.00	2.80	84.67 CMS
MIN	2.00	1.60	2.80	3.60	7.00	10.00	11.60	7.50	7.00	4.00	1.60	1.80	1.60 CMS
RUNOFF	6.186	9.107	22.395	14.394	50.532	42.383	75.266	24.235	20.520	18.109	7.534	6.566	297.229 MCM

MOMENTARY PEAK 117.90 CMS, AT 1.83 M (A.D), AT 1.00 HOURS, ON OCT 10, 1979

RUNOFF YIELD 6.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 87.01 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

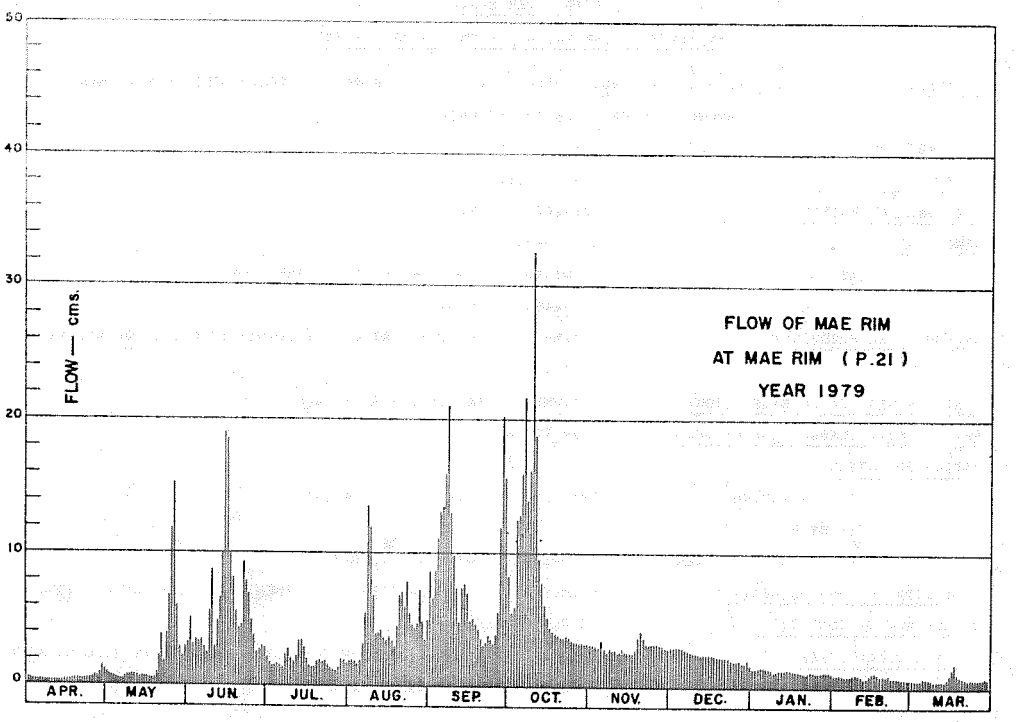
MAE RIM NEAR MAE RIM, CHIANG MAI (P.21)

LOCATION	LAT. 18°-55'-29" N., LONG. 98°-56'-34" E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM THE BRIDGE OF CHIANG MAI-FANG HIGHWAY, AMPHOE MAE RIM, CHIANG MAI.
DRAINAGE AREA	515 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+319.70 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D. NO.4
LOCATION	IN THE VICINITY OF GAGE OBSERVER'S HOUSE.
ELEVATION	+322.038 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	320.21	320.33	320.75	320.58	320.53	321.21	321.17	320.73	320.70	320.46	320.32	320.24	
2	320.20	320.31	320.96	320.52	320.56	321.06	320.98	320.74	320.71	320.44	320.32	320.23	
3	320.19	320.28	320.72	320.47	320.55	321.28	321.01	320.73	320.71	320.44	320.35	320.22	
4	320.18	320.26	320.78	320.49	320.50	321.28	321.43	320.71	320.70	320.47	320.34	320.24	
5	320.17	320.23	320.76	320.52	320.55	321.47	321.46	320.78	320.70	320.46	320.31	320.27	
6	320.18	320.23	320.78	320.48	320.70	321.50	321.64	320.71	320.69	320.46	320.31	320.26	
7	320.20	320.21	320.69	320.46	320.97	321.64	321.87	320.66	320.68	320.44	320.31	320.27	
8	320.20	320.32	320.63	320.63	321.50	321.85	321.52	320.69	320.66	320.44	320.32	320.23	
9	320.18	320.26	321.08	320.69	321.42	321.52	321.64	320.67	320.66	320.41	320.35	320.22	
10	320.17	320.30	321.14	320.57	321.08	321.31	322.27	320.68	320.65	320.39	320.35	320.23	
11	320.15	320.32	320.71	320.53	320.83	321.11	321.70	320.66	320.65	320.42	320.34	320.20	
12	320.15	320.31	320.94	320.64	320.85	320.92	321.28	320.66	320.63	320.41	320.32	320.20	
13	320.17	320.27	321.09	320.77	320.86	321.13	321.14	320.69	320.62	320.41	320.27	320.22	
14	320.16	320.25	321.43	320.76	320.80	321.15	321.03	320.67	320.63	320.42	320.35	320.24	
15	320.20	320.27	321.76	320.68	320.78	321.10	320.94	320.66	320.63	320.44	320.38	320.27	
16	320.22	320.26	321.74	320.54	320.82	320.93	320.89	320.64	320.62	320.41	320.37	320.43	
17	320.24	320.22	321.29	320.47	320.77	320.95	320.87	320.65	320.63	320.41	320.37	320.54	
18	320.23	320.21	321.18	320.44	320.71	320.91	320.84	320.69	320.62	320.40	320.30	320.39	
19	320.21	320.21	320.98	320.50	320.94	320.88	320.83	320.80	320.60	320.39	320.32	320.34	
20	320.21	320.34	320.88	320.57	321.09	320.78	320.81	320.85	320.60	320.41	320.30	320.29	
21	320.22	320.81	320.91	320.55	321.11	320.72	320.80	320.80	320.60	320.36	320.34	320.27	
22	320.21	320.63	321.26	320.52	321.02	320.74	320.91	320.74	320.61	320.36	320.30	320.27	
23	320.22	320.53	321.17	320.54	321.16	320.82	320.83	320.74	320.60	320.41	320.29	320.27	
24	320.23	321.01	321.09	320.47	320.98	320.79	320.79	320.75	320.58	320.40	320.29	320.25	
25	320.23	321.27	320.89	320.44	320.90	320.72	320.77	320.74	320.55	320.38	320.29	320.26	
26	320.30	321.58	320.73	320.40	320.87	320.86	320.76	320.75	320.56	320.36	320.29	320.27	
27	320.26	321.07	320.64	320.41	320.93	321.08	320.75	320.73	320.56	320.38	320.26	320.27	
28	320.34	320.74	320.69	320.47	321.12	321.68	320.74	320.72	320.52	320.38	320.25	320.25	
29	320.48	320.63	320.72	320.58	320.90	321.81	320.75	320.71	320.51	320.38	320.24	320.32	
30	320.40	320.60	320.67	320.54	320.80	321.39	320.74	320.69	320.56	320.40		320.28	
31		320.72		320.51	320.98		320.75		320.51	320.36		320.28	
MEAN	320.22	320.48	320.97	320.54	320.89	321.15	321.09	320.71	320.62	320.41	320.32	320.27	
MAX	320.48	321.58	321.76	320.77	321.50	321.85	322.27	320.85	320.71	320.47	320.38	320.54	322.27
MIN	320.15	320.21	320.63	320.40	320.50	320.72	320.74	320.64	320.51	320.36	320.24	320.20	320.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 322.37 M (MSL), AT 10.00 HOURS, ON OCT 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 319.70 M (MSL), RIVER BED 319.97 M (MSL)
LEFT BANK ELEVATION 323.03 M (MSL)
RIGHT BANK ELEVATION 323.06 M (MSL), DRAINAGE AREA 515 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	0.92	3.33	2.14	1.86	8.65	8.07	3.18	2.95	1.50	0.88	0.59	
2	0.45	0.84	5.32	1.81	2.03	6.55	5.56	3.25	3.03	1.40	0.88	0.56	
3	0.43	0.73	3.10	1.55	1.97	9.70	5.92	3.18	3.03	1.40	1.00	0.52	
4	0.41	0.66	3.55	1.65	1.70	9.70	12.34	3.03	2.95	1.55	0.96	0.59	
5	0.39	0.56	3.40	1.81	1.97	13.06	12.88	3.55	2.95	1.50	0.84	0.69	
6	0.41	0.56	3.55	1.60	2.95	13.60	16.44	3.03	2.88	1.50	0.84	0.66	
7	0.45	0.49	2.88	1.50	5.44	16.44	21.75	2.67	2.81	1.40	0.84	0.69	
8	0.45	0.88	2.46	2.46	13.60	21.25	14.00	2.88	2.67	1.40	0.88	0.56	
9	0.41	0.66	6.80	2.88	12.16	14.00	16.44	2.74	2.67	1.25	1.00	0.52	
10	0.39	0.80	7.63	2.08	6.80	10.18	32.60	2.81	2.60	1.16	1.00	0.56	
11	0.35	0.88	3.03	1.86	3.97	7.20	17.70	2.67	2.60	1.30	0.96	0.45	
12	0.35	0.84	5.08	2.53	4.15	4.84	9.70	2.67	2.46	1.25	0.88	0.45	
13	0.39	0.69	6.92	3.47	4.24	7.48	7.63	2.88	2.39	1.25	0.69	0.52	
14	0.37	0.63	12.34	3.40	3.70	7.77	6.17	2.74	2.46	1.30	1.00	0.59	
15	0.45	0.69	19.08	2.81	3.55	7.05	5.08	2.67	2.46	1.40	1.12	0.69	
16	0.52	0.66	18.62	1.92	3.88	4.96	4.51	2.53	2.39	1.25	1.08	1.35	
17	0.59	0.52	9.85	1.55	3.47	5.20	4.33	2.60	2.46	1.25	1.08	1.92	
18	0.56	0.49	8.21	1.40	3.03	4.72	4.06	2.88	2.39	1.20	0.80	1.16	
19	0.49	0.49	5.56	1.70	5.08	4.42	3.97	3.70	2.25	1.16	0.88	0.96	
20	0.49	0.96	4.42	2.08	6.92	3.55	3.79	4.15	2.25	1.25	0.80	0.76	
21	0.52	3.79	4.72	1.97	7.20	3.10	3.70	3.70	2.25	1.04	0.96	0.69	
22	0.49	2.46	9.40	1.81	6.05	3.25	4.72	3.25	2.32	1.04	0.80	0.69	
23	0.52	1.86	8.07	1.92	7.92	3.88	3.97	3.25	2.25	1.25	0.76	0.69	
24	0.56	5.92	6.92	1.55	5.56	3.62	3.62	3.33	2.14	1.20	0.76	0.63	
25	0.56	9.55	4.51	1.40	4.60	3.10	3.47	3.25	1.97	1.12	0.76	0.66	
26	0.80	15.20	3.18	1.20	4.33	4.24	3.40	3.33	2.03	1.04	0.76	0.69	
27	0.66	6.67	2.53	1.25	4.96	6.80	3.33	3.18	2.03	1.12	0.66	0.69	
28	0.96	3.25	2.88	1.55	7.34	17.28	3.25	3.10	1.81	1.12	0.63	0.63	
29	1.60	2.46	3.10	2.14	4.60	20.25	3.33	3.03	1.75	1.12	0.59	0.88	
30	1.20	2.25	2.74	1.92	3.70	11.62	3.25	2.88	2.03	1.20		0.73	
31		3.10		1.75	5.56		3.33		1.75	1.04		0.73	
TOTAL	16.71	70.46	183.18	60.66	154.29	257.46	252.31	92.11	74.98	38.96	25.09	22.50	1248.71 CMSDAY
MEAN	0.56	2.27	6.11	1.96	4.98	8.58	8.14	3.07	2.42	1.26	0.87	0.73	3.41 CMS
MAX	1.60	15.20	19.08	3.47	13.60	21.25	32.60	4.15	3.03	1.55	1.12	1.92	32.60 CMS
MIN	0.35	0.49	2.46	1.20	1.70	3.10	3.25	2.53	1.75	1.04	0.59	0.45	0.35 CMS
RUNOFF	1.444	6.088	15.827	5.241	13.331	22.245	21.800	7.958	6.478	3.366	2.168	1.944	107.888 MCM

MOMENTARY PEAK 35.81 CMS, AT 322.37 M (MSL), AT 10.00 HOURS, ON OCT 10, 1979
RUNOFF YIELD 6.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 69.54 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

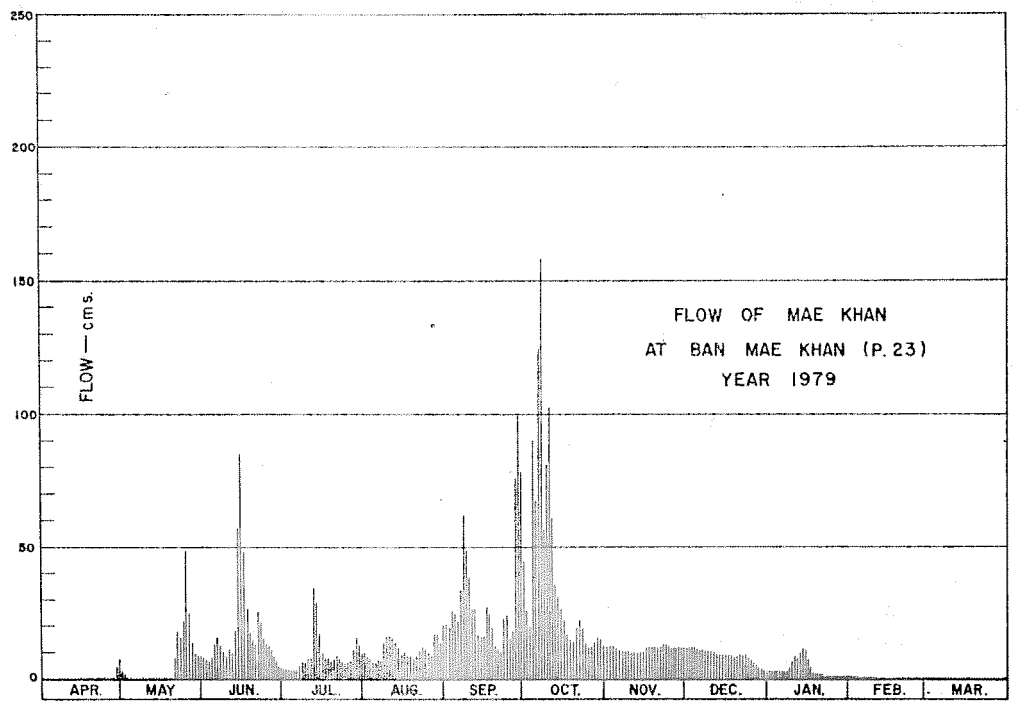
MAE KHAN RIVER AT BAN MAE KHAN, CHIANG MAI (P.23)

LOCATION	LAT. 18°31'37" N., LONG. 98°51'42" E., ON LEFT BANK DOWNSTREAM SIDE OF MAE KHAN BRIDGE, AMPHOE SAN PA TONG, CHIANG MAI.
DRAINAGE AREA	1,777 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+285.622 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+289.483 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 10.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1960, 1967, 1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1960, 1967, 1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	286.57	286.96	287.26	287.11	287.30	287.56	287.82	287.36	287.35	287.04	286.81	286.61	
2	286.57	286.87	287.22	287.09	287.26	287.52	287.61	287.36	287.35	287.03	286.81	286.61	
3	286.57	286.72	287.17	287.06	287.22	287.54	287.49	287.36	287.35	287.02	286.80	286.61	
4	286.57	286.67	287.21	287.05	287.19	287.66	288.42	287.35	287.35	287.05	286.77	286.61	
5	286.57	286.67	287.38	287.08	287.18	287.57	288.20	287.34	287.34	287.07	286.75	286.60	
6	286.58	286.67	287.43	287.08	287.19	287.62	288.64	287.34	287.34	287.06	286.72	286.63	
7	286.58	286.67	287.39	287.16	287.20	287.76	288.95	287.32	287.33	287.04	286.72	286.61	
8	286.58	286.64	287.31	287.21	287.35	288.14	288.08	287.32	287.32	287.07	286.73	286.57	
9	286.58	286.66	287.25	287.19	287.46	287.93	288.34	287.32	287.30	287.12	286.73	286.55	
10	286.58	286.66	287.30	287.26	287.48	287.84	288.52	287.32	287.30	287.20	286.73	286.55	
11	286.59	286.68	287.33	287.20	287.46	287.69	288.20	287.32	287.30	287.27	286.72	286.55	
12	286.59	286.71	287.28	287.37	287.41	287.57	287.83	287.32	287.30	287.24	286.71	286.55	
13	286.59	286.72	287.49	287.80	287.39	287.49	287.76	287.32	287.29	287.31	286.70	286.54	
14	286.59	286.70	287.95	287.62	287.33	287.46	287.70	287.32	287.29	287.34	286.69	286.54	
15	286.59	286.69	288.37	287.44	287.29	287.45	287.62	287.32	287.28	287.35	286.67	286.53	
16	286.59	286.68	288.03	287.33	287.30	287.43	287.55	287.35	287.28	287.20	286.67	286.53	
17	286.59	286.66	287.82	287.25	287.28	287.68	287.48	287.35	287.27	287.06	286.66	286.54	
18	286.59	286.65	287.52	287.26	287.27	287.60	287.41	287.35	287.27	286.98	286.66	286.54	
19	286.59	286.65	287.47	287.23	287.26	287.45	287.40	287.35	287.25	286.94	286.65	286.55	
20	286.59	286.78	287.37	287.19	287.22	287.38	287.38	287.35	287.26	286.92	286.64	286.56	
21	286.59	287.30	287.39	287.24	287.27	287.34	287.52	287.36	287.29	286.90	286.64	286.56	
22	286.59	287.51	287.64	287.27	287.34	287.30	287.58	287.39	287.28	286.89	286.63	286.56	
23	286.59	287.43	287.58	287.21	287.36	287.61	287.44	287.39	287.27	286.88	286.63	286.56	
24	286.59	287.55	287.42	287.18	287.36	287.62	287.39	287.38	287.27	286.88	286.62	286.56	
25	286.59	287.98	287.39	287.17	287.30	287.44	287.36	287.37	287.23	286.88	286.62	286.56	
26	286.59	287.65	287.36	287.17	287.28	287.46	287.36	287.35	287.19	286.88	286.62	286.56	
27	286.59	287.46	287.33	287.22	287.29	287.82	287.41	287.36	287.16	286.88	286.62	286.58	
28	286.59	287.34	287.24	287.36	287.49	288.50	287.38	287.35	287.11	286.86	286.62	286.60	
29	287.11	287.28	287.16	287.47	287.45	288.45	287.47	287.36	287.12	286.86	286.61	286.58	
30	287.22	287.26	287.12	287.39	287.38	288.30	287.40	287.37	287.07	286.83		286.57	
31		287.25		287.29	287.54		287.37		287.05	286.82		286.56	
MEAN	286.62	286.97	287.44	287.26	287.33	287.67	287.74	287.35	287.26	287.03	286.69	286.57	
MAX	287.22	287.98	288.37	287.80	287.54	288.50	288.95	287.39	287.35	287.35	286.81	286.63	288.95
MIN	286.57	286.64	287.12	287.05	287.18	287.30	287.36	287.32	287.05	286.82	286.61	286.53	286.53

ANNUAL MAX MOMENTARY GAGE HEIGHT 289.32 M (MSL), AT 6.00 HOURS, ON OCT 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 285.62 M (MSL), RIVER BED 285.56 M (MSL)
LEFT BANK ELEVATION 290.82 M (MSL)
RIGHT BANK ELEVATION 290.57 M (MSL), DRAINAGE AREA 1777 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	2.60	8.80	4.30	10.00	21.00	36.40	12.40	12.00	3.40	1.10	0.00	
2	0.00	1.70	7.60	3.90	8.80	19.00	23.50	12.40	12.00	3.30	1.10	0.00	
3	0.00	0.20	6.10	3.60	7.60	20.00	17.60	12.40	12.00	3.20	1.00	0.00	
4	0.00	0.00	7.30	3.50	6.70	26.00	90.40	12.00	12.00	3.50	0.70	0.00	
5	0.00	0.00	13.20	3.80	6.40	21.50	68.00	11.60	11.60	3.70	0.50	0.00	
6	0.00	0.00	15.20	3.80	6.70	24.00	116.80	11.60	11.60	3.60	0.20	0.00	
7	0.00	0.00	13.60	5.80	7.00	32.20	158.00	10.80	11.20	3.40	0.20	0.00	
8	0.00	0.00	10.40	7.30	12.00	62.00	56.40	10.80	10.80	3.70	0.30	0.00	
9	0.00	0.00	8.50	6.70	16.40	44.40	82.00	10.80	10.00	4.60	0.30	0.00	
10	0.00	0.00	10.00	8.80	17.20	37.80	102.40	10.80	10.00	7.00	0.30	0.00	
11	0.00	0.00	11.20	7.00	16.40	27.50	66.00	10.80	10.00	9.10	0.20	0.00	
12	0.00	0.10	9.40	12.80	14.40	21.50	37.10	10.80	10.00	8.20	0.10	0.00	
13	0.00	0.20	17.60	35.00	13.60	17.60	32.20	10.80	9.70	10.40	0.00	0.00	
14	0.00	0.00	46.00	24.00	11.20	16.40	28.00	10.80	9.70	11.60	0.00	0.00	
15	0.00	0.00	85.00	15.60	9.70	16.00	24.00	10.80	9.40	12.00	0.00	0.00	
16	0.00	0.00	52.40	11.20	10.00	15.20	20.50	12.00	9.40	7.00	0.00	0.00	
17	0.00	0.00	36.40	8.50	9.40	27.00	17.20	12.00	9.10	3.60	0.00	0.00	
18	0.00	0.00	19.00	8.80	9.10	23.00	14.40	12.00	9.10	2.80	0.00	0.00	
19	0.00	0.00	16.80	7.90	8.80	16.00	14.00	12.00	8.50	2.40	0.00	0.00	
20	0.00	0.80	12.80	6.70	7.60	13.20	13.20	12.00	8.80	2.20	0.00	0.00	
21	0.00	10.00	13.60	8.20	9.10	11.60	19.00	12.40	9.70	2.00	0.00	0.00	
22	0.00	18.50	25.00	9.10	11.60	10.00	22.00	13.60	9.40	1.90	0.00	0.00	
23	0.00	15.20	22.00	7.30	12.40	23.50	15.60	13.60	9.10	1.80	0.00	0.00	
24	0.00	20.50	14.80	6.40	12.40	24.00	13.60	13.20	9.10	1.80	0.00	0.00	
25	0.00	48.40	13.60	6.10	10.00	15.60	12.40	12.80	7.90	1.80	0.00	0.00	
26	0.00	25.50	12.40	6.10	9.40	16.40	12.40	12.00	6.70	1.80	0.00	0.00	
27	0.00	16.40	11.20	7.60	9.70	36.40	14.40	12.40	5.80	1.80	0.00	0.00	
28	0.00	11.60	8.20	12.40	17.60	100.00	13.20	12.00	4.30	1.60	0.00	0.00	
29	4.30	9.40	5.80	16.80	16.00	94.00	16.80	12.40	4.60	1.60	0.00	0.00	
30	7.60	8.80	4.60	13.60	13.20	78.00	14.00	12.80	3.70	1.30		0.00	
31		8.50		9.70	20.00		12.80		3.50	1.20		0.00	
TOTAL	11.90	198.40	538.50	292.30	350.40	910.80	1186.30	356.80	280.70	127.30	6.00	0.00	4259.39 CMSDAY
MEAN	0.40	6.40	17.95	9.43	11.30	30.36	38.27	11.89	9.05	4.11	0.21	0.00	11.64 CMS
MAX	7.60	48.40	85.00	35.00	20.00	100.00	158.00	13.60	12.00	12.00	1.10	0.00	158.00 CMS
MIN	0.00	0.00	4.60	3.50	6.40	10.00	12.40	10.80	3.50	1.20	0.00	0.00	0.00 CMS
RUNOFF	1.028	17.142	46.526	25.255	30.275	78.693	102.496	30.827	24.252	10.999	0.518	0.000	368.012 MCM

MOMENTARY PEAK 221.60 CMS, AT 289.32 M (MSL), AT 6.00 HOURS, ON OCT 7, 1979

RUNOFF YIELD 6.55 LITERS/SECOND/SQUARE KM; MOMENTARY PEAK YIELD 124.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 18°25'01" N., LONG. 98°40'29" E., ON LEFT BANK AT PRACHA UTHIT BRIDGE, AMPHOE CHOM THONG, CHIANG MAI.

DRAINAGE AREA — 460.50 KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +274.693 M. (M.S.L.)

BENCH MARK — B.M.-M.S.

LOCATION — B.M.1 NEAR THE GAGE OBSERVER'S HOUSE, B.M.2 ON LEFT BANK ABUTMENT OF PRACHA UTHIT BRIDGE.

ELEVATION — B.M.1 =+277.954 M. (M.S.L.), B.M.2 =280.309 M. (M.S.L.)

GAGE READING FREQUENCY — 3-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973 TO DATE.

RATED BY FLOAT

RATED BY CURRENT METER — 1973 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

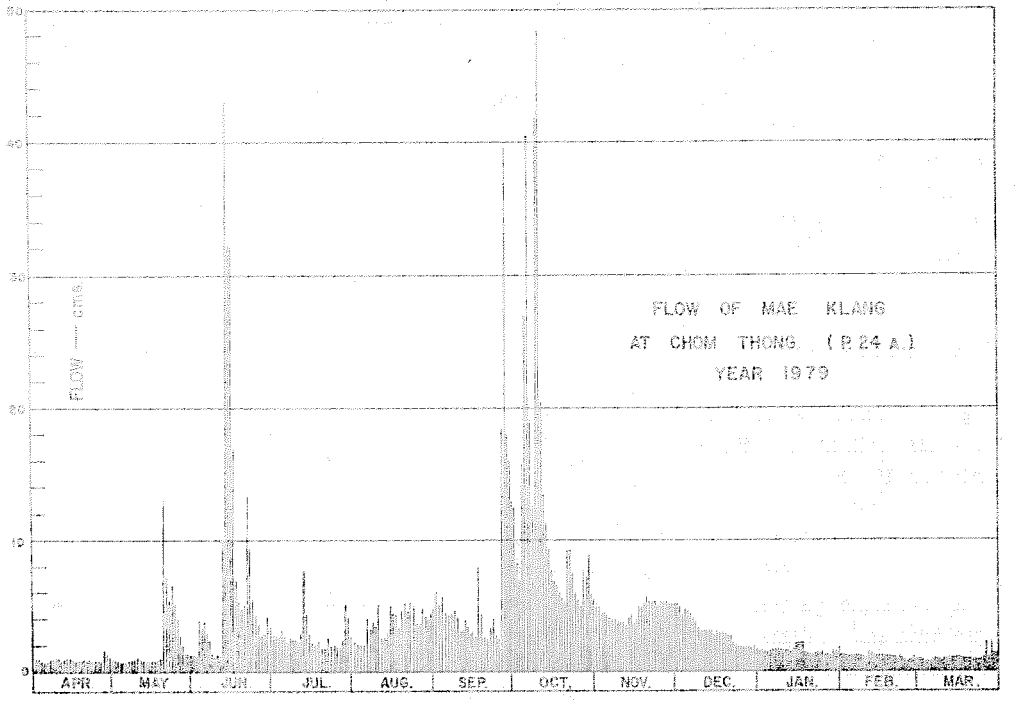
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	275.35	275.37	275.42	275.58	275.50	275.80	276.10	275.72	275.74	275.45	275.42	275.38	
2	275.35	275.35	275.41	275.56	275.50	275.71	275.93	275.75	275.73	275.45	275.41	275.37	
3	275.35	275.34	275.48	275.56	275.49	275.79	275.86	275.69	275.69	275.44	275.41	275.35	
4	275.34	275.32	275.65	275.55	275.48	275.77	276.23	275.69	275.71	275.44	275.40	275.35	
5	275.33	275.31	275.62	275.59	275.60	275.68	276.82	275.68	275.70	275.45	275.40	275.37	
6	275.33	275.31	275.65	275.53	275.67	275.68	276.97	275.67	275.69	275.45	275.40	275.37	
7	275.33	275.33	275.57	275.51	275.61	275.68	276.32	275.66	275.66	275.45	275.40	275.38	
8	275.35	275.37	275.46	275.54	275.65	275.70	276.10	275.66	275.65	275.45	275.40	275.37	
9	275.36	275.36	275.41	275.53	275.62	275.68	277.01	275.65	275.61	275.45	275.40	275.37	
10	275.36	275.36	275.42	275.52	275.73	275.62	277.16	275.65	275.60	275.45	275.39	275.39	
11	275.36	275.39	275.41	275.51	275.54	275.60	276.40	275.65	275.61	275.45	275.40	275.39	
12	275.35	275.36	275.49	275.63	275.54	275.67	276.12	275.63	275.61	275.44	275.42	275.39	
13	275.35	275.35	277.04	275.88	275.56	275.63	276.02	275.67	275.60	275.44	275.41	275.40	
14	275.36	275.34	276.74	275.63	275.61	275.58	275.94	275.68	275.60	275.43	275.41	275.41	
15	275.36	275.33	276.74	275.56	275.73	275.60	275.89	275.64	275.59	275.51	275.41	275.40	
16	275.36	275.33	275.93	275.50	275.69	275.55	275.84	275.66	275.58	275.51	275.41	275.41	
17	275.35	275.34	275.80	275.49	275.68	275.89	275.82	275.72	275.59	275.51	275.41	275.41	
18	275.35	275.35	275.74	275.51	275.62	275.69	275.78	275.72	275.58	275.43	275.40	275.38	
19	275.34	275.35	275.71	275.47	275.70	275.57	275.77	275.74	275.58	275.43	275.40	275.37	
20	275.34	275.36	275.71	275.47	275.70	275.56	275.75	275.77	275.57	275.43	275.40	275.37	
21	275.34	276.12	275.88	275.46	275.74	275.53	275.95	275.75	275.57	275.42	275.40	275.37	
22	275.33	275.86	276.13	275.55	275.70	275.63	275.95	275.75	275.50	275.42	275.39	275.37	
23	275.34	275.74	275.78	275.49	275.75	275.67	275.81	275.76	275.49	275.43	275.40	275.37	
24	275.33	275.82	275.71	275.49	275.67	275.57	275.79	275.73	275.48	275.42	275.38	275.37	
25	275.32	275.76	275.68	275.49	275.65	275.54	275.74	275.75	275.48	275.43	275.37	275.38	
26	275.32	275.67	275.62	275.48	275.65	276.14	275.72	275.75	275.47	275.42	275.37	275.51	
27	275.32	275.58	275.56	275.48	275.72	276.94	275.89	275.75	275.47	275.42	275.39	275.41	
28	275.45	275.51	275.55	275.54	275.67	276.31	275.86	275.74	275.48	275.41	275.40	275.50	
29	275.43	275.42	275.67	275.73	275.66	276.24	275.94	275.74	275.47	275.42	275.39	275.41	
30	275.40	275.42	275.63	275.58	275.69	276.09	275.79	275.74	275.46	275.43		275.39	
31		275.41		275.54	275.71		275.76		275.47	275.49		275.37	
MEAN	275.35	275.46	275.75	275.55	275.64	275.77	276.07	275.70	275.58	275.44	275.40	275.39	
MAX	275.45	276.12	277.04	275.88	275.73	276.94	277.16	275.77	275.74	275.51	275.42	275.51	277.16
MIN	275.32	275.31	275.41	275.46	275.48	275.53	275.72	275.63	275.46	275.41	275.37	275.35	275.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 277.95 M (MSL), AT 12.00 HOURS, ON JUN 13, 1979

ZERO GAGE AT BOTTOM ELEVATION 274.69 M (MSL), RIVER BED 275.00 M (MSL)

LEFT BANK ELEVATION 278.25 M (MSL)

RIGHT BANK ELEVATION 280.13 M (MSL), DRAINAGE AREA 460 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.75	0.85	1.20	2.80	2.00	6.00	12.50	4.80	5.10	1.50	1.20	0.90	
2	0.75	0.75	1.10	2.60	2.00	4.65	8.60	4.95	4.95	1.50	1.10	0.85	
3	0.75	0.70	1.80	2.60	1.90	5.85	7.20	4.35	4.35	1.40	1.10	0.75	
4	0.70	0.60	3.75	2.50	1.80	5.55	15.75	4.30	4.65	1.40	1.00	0.75	
5	0.65	0.55	3.30	2.90	3.00	4.20	35.02	4.20	4.50	1.50	1.00	0.85	
6	0.65	0.55	3.75	2.30	4.05	4.20	40.42	4.35	4.35	1.50	1.00	0.85	
7	0.65	0.65	2.70	2.10	3.15	4.20	18.10	3.90	3.90	1.50	1.00	0.90	
8	0.75	0.85	1.60	2.40	3.75	4.50	12.50	3.90	3.75	1.50	1.00	0.85	
9	0.80	0.80	1.10	2.30	3.30	4.20	41.90	3.75	3.15	1.50	1.00	0.85	
10	0.80	0.80	1.20	2.20	4.95	3.30	48.20	3.75	3.00	1.50	0.95	0.95	
11	0.80	0.95	1.10	2.10	2.40	3.00	20.50	3.75	3.15	1.50	1.00	0.95	
12	0.75	0.80	1.90	3.45	2.40	4.05	13.00	3.45	3.15	1.40	1.20	0.95	
13	0.75	0.75	43.10	7.60	2.60	3.45	10.50	4.05	3.00	1.40	1.10	1.00	
14	0.80	0.70	32.14	3.45	3.15	2.80	8.60	4.20	3.00	1.30	1.10	1.10	
15	0.80	0.65	32.14	2.60	4.95	3.00	7.80	3.60	2.90	2.10	1.10	1.00	
16	0.80	0.65	8.60	2.00	4.35	2.50	6.80	3.90	2.80	2.10	1.10	1.10	
17	0.75	0.70	4.00	1.90	4.20	7.80	6.40	4.80	2.90	2.10	1.10	1.10	
18	0.75	0.75	5.10	2.10	3.30	4.35	5.70	4.80	2.80	1.30	1.00	0.90	
19	0.70	0.75	4.65	1.70	4.50	2.70	5.55	5.10	2.80	1.30	1.00	0.85	
20	0.70	0.80	4.65	1.70	4.50	2.60	5.25	5.55	2.70	1.30	1.00	0.85	
21	0.70	13.00	7.60	1.60	5.10	2.30	9.00	5.25	2.70	1.20	1.00	0.85	
22	0.65	7.20	13.25	2.50	4.50	3.45	9.00	5.25	2.60	1.20	0.95	0.85	
23	0.70	5.10	5.70	1.90	5.25	4.05	6.20	5.40	1.90	1.30	1.00	0.85	
24	0.65	6.40	4.65	1.90	4.05	2.70	5.65	4.95	1.80	1.20	0.90	0.85	
25	0.60	5.40	4.20	1.90	3.75	2.40	5.10	5.25	1.80	1.30	0.85	0.90	
26	0.60	4.65	3.30	1.80	3.75	13.60	4.80	5.25	1.70	1.20	0.85	2.10	
27	0.60	3.60	2.60	1.80	4.80	39.34	7.30	5.25	1.70	1.20	0.95	1.10	
28	1.50	2.10	2.50	2.40	4.35	17.80	7.20	5.10	1.80	1.10	1.00	2.00	
29	1.30	2.20	4.65	4.95	3.90	15.00	8.80	5.10	1.70	1.50	0.95	1.10	
30	1.00	1.20	3.45	2.80	4.35	12.25	9.85	5.10	1.60	1.30		0.95	
31		1.10		2.40	4.65		9.40		1.70	1.90		0.85	
TOTAL	23.15	64.15	212.13	79.25	114.40	196.69	405.49	137.10	91.30	45.00	29.50	30.73	1428.91 CMSDAY
MEAN	0.77	2.07	7.07	2.56	3.69	6.56	13.08	4.57	2.95	1.45	1.02	0.99	3.90 CMS
MAX	1.50	13.00	43.10	7.60	5.25	39.34	48.20	5.55	5.10	2.10	1.20	2.10	48.20 CMS
MIN	0.60	0.55	1.10	1.60	1.80	2.30	4.80	3.45	1.60	1.10	0.85	0.75	0.55 CMS
RUNOFF	2.000	5.543	18.332	6.847	9.884	16.994	35.034	11.845	7.888	3.888	2.549	2.652	123.458 MCM
MOMENTARY PEAK		88.25 CMS, AT		277.95 M (MSL), AT 12.00 HOURS, ON JUN 13, 1979									
RUNOFF YIELD		8.49 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD						191.84 LITERS/SECOND/SQUARE KM					

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 18°-28'-05" N., LONG. 98°-39'-48" E., ON LEFT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG CHIANG MAI.

DRAINAGE AREA — -

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.5.

LOCATION — NEAR THE BARRAGE OF IRRIGATION CANAL.

ELEVATION — +2.063 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

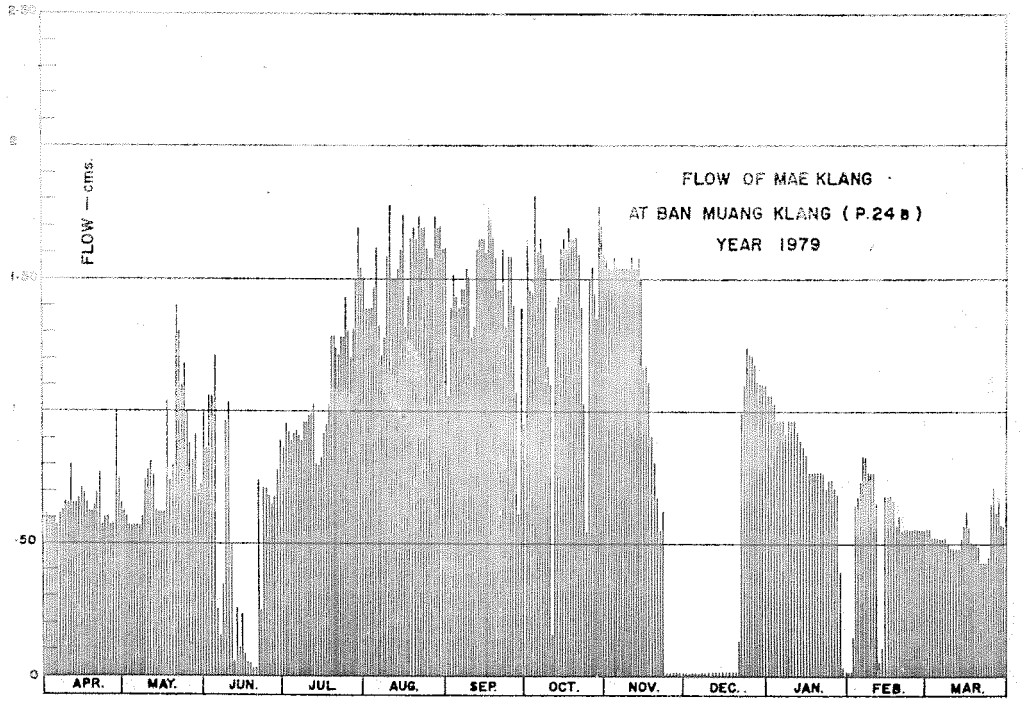
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.40	0.48	0.51	0.63	0.54	0.70	0.67	0.00	0.54	0.10	0.37	
2	0.39	0.39	0.54	0.50	0.63	0.63	0.65	0.67	0.00	0.54	0.19	0.37	
3	0.39	0.38	0.54	0.50	0.63	0.66	0.65	0.68	0.00	0.53	0.41	0.36	
4	0.39	0.38	0.36	0.49	0.65	0.64	0.74	0.68	0.00	0.51	0.42	0.36	
5	0.38	0.38	0.58	0.50	0.69	0.63	0.69	0.67	0.00	0.51	0.44	0.36	
6	0.39	0.38	0.24	0.50	0.61	0.65	0.70	0.67	0.00	0.51	0.47	0.36	
7	0.40	0.38	0.20	0.49	0.58	0.65	0.69	0.67	0.00	0.51	0.47	0.36	
8	0.40	0.39	0.51	0.51	0.60	0.67	0.67	0.67	0.00	0.50	0.45	0.36	
9	0.41	0.44	0.53	0.51	0.68	0.66	0.57	0.67	0.00	0.51	0.45	0.35	
10	0.41	0.45	0.53	0.52	0.73	0.60	0.55	0.68	0.00	0.51	0.45	0.34	
11	0.46	0.46	0.34	0.52	0.66	0.61	0.20	0.67	0.00	0.51	0.41	0.34	
12	0.41	0.44	0.13	0.53	0.66	0.69	0.63	0.67	0.00	0.50	0.13	0.34	
13	0.41	0.40	0.24	0.46	0.67	0.70	0.64	0.68	0.00	0.49	0.17	0.34	
14	0.42	0.40	0.16	0.46	0.69	0.70	0.69	0.66	0.00	0.48	0.42	0.36	
15	0.43	0.40	0.23	0.47	0.72	0.70	0.70	0.57	0.00	0.47	0.42	0.38	
16	0.42	0.40	0.15	0.50	0.61	0.69	0.69	0.57	0.00	0.45	0.42	0.40	
17	0.41	0.53	0.13	0.51	0.64	0.73	0.71	0.55	0.00	0.45	0.40	0.37	
18	0.40	0.44	0.13	0.53	0.70	0.70	0.70	0.49	0.00	0.45	0.38	0.35	
19	0.40	0.46	0.12	0.60	0.71	0.68	0.70	0.46	0.00	0.45	0.39	0.35	
20	0.36	0.59	0.12	0.60	0.70	0.65	0.70	0.38	0.00	0.45	0.37	0.35	
21	0.43	0.63	0.44	0.58	0.72	0.65	0.68	0.37	0.18	0.45	0.37	0.32	
22	0.45	0.60	0.24	0.60	0.71	0.69	0.63	0.40	0.52	0.45	0.37	0.32	
23	0.38	0.55	0.43	0.60	0.71	0.61	0.54	0.10	0.55	0.43	0.37	0.32	
24	0.39	0.57	0.43	0.64	0.69	0.68	0.37	0.10	0.59	0.44	0.37	0.33	
25	0.39	0.49	0.42	0.60	0.68	0.68	0.66	0.10	0.58	0.44	0.37	0.41	
26	0.38	0.43	0.41	0.58	0.68	0.64	0.67	0.10	0.58	0.43	0.37	0.43	
27	0.38	0.43	0.42	0.62	0.72	0.55	0.65	0.10	0.57	0.42	0.37	0.40	
28	0.52	0.46	0.45	0.66	0.71	0.40	0.62	0.10	0.55	0.35	0.37	0.42	
29	0.44	0.39	0.49	0.71	0.71	0.63	0.73	0.10	0.56	0.12	0.37	0.38	
30	0.41	0.40	0.48	0.67	0.69	0.51	0.69	0.10	0.55	0.10		0.38	
31		0.52		0.66	0.69		0.68		0.55	0.10		0.37	
MEAN	0.41	0.45	0.35	0.55	0.67	0.64	0.64	0.47	0.19	0.44	0.37	0.36	
MAX	0.52	0.63	0.58	0.71	0.73	0.73	0.74	0.68	0.59	0.54	0.47	0.43	0.74
MIN	0.36	0.38	0.12	0.46	0.58	0.40	0.20	0.10	0.00	0.10	0.10	0.32	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.76 M (A.D), AT 6.00 HOURS, ON OCT 29, 1979

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

LEFT BANK ELEVATION M (A.D)

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



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.62	0.86	0.96	1.39	1.06	1.65	1.54	0.00	1.06	0.00	0.55	
2	0.60	0.60	1.06	0.92	1.39	1.39	1.46	1.54	0.00	1.06	0.14	0.55	
3	0.60	0.57	1.06	0.92	1.39	1.50	1.46	1.58	0.00	1.03	0.65	0.52	
4	0.60	0.57	0.52	0.89	1.46	1.43	1.81	1.58	0.00	0.96	0.68	0.52	
5	0.57	0.57	1.21	0.92	1.61	1.39	1.61	1.54	0.00	0.96	0.74	0.52	
6	0.60	0.57	0.25	0.92	1.32	1.46	1.65	1.54	0.00	0.96	0.83	0.52	
7	0.62	0.57	0.16	0.89	1.21	1.46	1.61	1.54	0.00	0.96	0.83	0.52	
8	0.62	0.60	0.96	0.96	1.28	1.54	1.54	1.54	0.00	0.92	0.77	0.52	
9	0.65	0.74	1.03	0.96	1.58	1.50	1.17	1.54	0.00	0.96	0.77	0.50	
10	0.65	0.77	1.03	0.99	1.77	1.28	1.10	1.58	0.00	0.96	0.77	0.48	
11	0.80	0.80	0.48	0.99	1.50	1.32	0.16	1.54	0.00	0.96	0.65	0.48	
12	0.65	0.74	0.05	1.03	1.50	1.61	1.39	1.54	0.00	0.92	0.05	0.48	
13	0.65	0.62	0.25	0.80	1.54	1.65	1.43	1.58	0.00	0.89	0.11	0.48	
14	0.68	0.62	0.10	0.80	1.61	1.65	1.61	1.50	0.00	0.86	0.68	0.52	
15	0.71	0.62	0.23	0.83	1.73	1.65	1.65	1.17	0.00	0.83	0.68	0.57	
16	0.68	0.62	0.08	0.92	1.32	1.61	1.61	1.17	0.00	0.77	0.68	0.62	
17	0.65	1.03	0.05	0.96	1.43	1.77	1.69	1.10	0.00	0.77	0.62	0.55	
18	0.62	0.74	0.05	1.03	1.65	1.65	1.65	0.89	0.00	0.77	0.57	0.50	
19	0.62	0.80	0.03	1.28	1.69	1.58	1.65	0.80	0.00	0.77	0.60	0.50	
20	0.52	1.24	0.03	1.28	1.65	1.46	1.65	0.57	0.00	0.77	0.55	0.50	
21	0.71	1.39	0.74	1.21	1.73	1.46	1.58	0.55	0.13	0.77	0.55	0.43	
22	0.77	1.28	0.25	1.28	1.69	1.61	1.39	0.62	0.99	0.77	0.55	0.43	
23	0.57	1.10	0.71	1.28	1.69	1.32	1.06	0.00	1.10	0.71	0.55	0.43	
24	0.60	1.17	0.71	1.43	1.61	1.58	0.55	0.00	1.24	0.74	0.55	0.45	
25	0.60	0.89	0.68	1.28	1.58	1.58	1.50	0.00	1.21	0.74	0.55	0.65	
26	0.57	0.71	0.65	1.21	1.58	1.43	1.54	0.00	1.21	0.71	0.55	0.71	
27	0.57	0.71	0.68	1.35	1.73	1.10	1.46	0.00	1.17	0.68	0.55	0.62	
28	0.99	0.80	0.77	1.50	1.69	0.62	1.35	0.00	1.10	0.50	0.55	0.68	
29	0.74	0.60	0.89	1.69	1.69	1.39	1.77	0.00	1.10	0.03	0.55	0.57	
30	0.65	0.62	0.86	1.54	1.61	0.96	1.61	0.00	1.10	0.00		0.57	
31		0.99		1.50	1.61		1.58		1.10	0.00		0.55	
TOTAL	19.48	24.27	16.43	34.52	48.23	43.01	44.94	28.55	11.45	23.79	16.32	16.49	327.48 CMSDAY
MEAN	0.65	0.78	0.55	1.11	1.56	1.43	1.45	0.95	0.37	0.77	0.56	0.53	0.89 CMS
MAX	0.99	1.39	1.21	1.69	1.77	1.77	1.81	1.58	1.24	1.06	0.83	0.71	1.81 CMS
MIN	0.52	0.57	0.03	0.80	1.21	0.62	0.16	0.00	0.00	0.00	0.00	0.43	0.00 CMS
RUNOFF	1.683	2.097	1.420	2.983	4.167	3.716	3.883	2.467	0.989	2.055	1.410	1.425	28.294 MCM

MOMENTARY PEAK 1.88 CMS, AT 0.76 M (A.D), AT 6.00 HOURS, ON OCT 29, 1979

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

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 18°28'03" N., LONG. 98°39'41" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM THE WEIR BUILT BY THE LOCAL RESIDENTS AT BAN MUANG KLANG, AMPHOE CHOM THONG CHIANG MAI.

DRAINAGE AREA —

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — NEAR THE BARRAGE OF IRRIGATION CANAL.

ELEVATION — +2.063 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 56 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

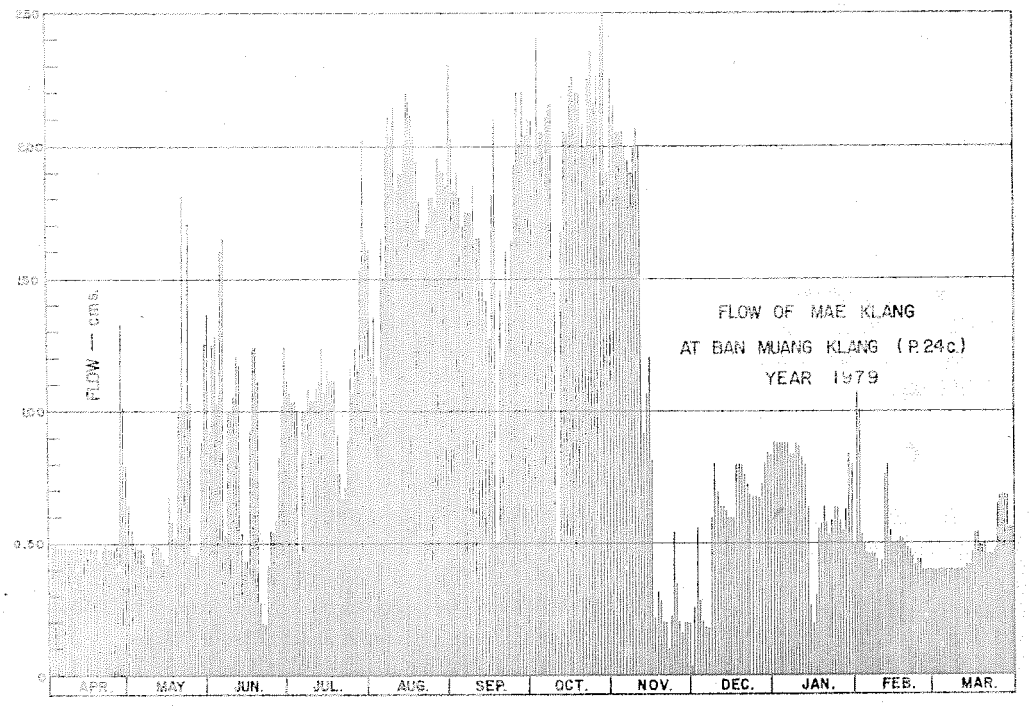
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.31	0.38	0.42	0.45	0.60	0.64	0.65	0.02	0.37	0.42	0.20	
2	0.25	0.28	0.46	0.41	0.49	0.59	0.61	0.65	0.17	0.37	0.40	0.20	
3	0.25	0.26	0.47	0.41	0.42	0.60	0.61	0.53	0.28	0.37	0.28	0.20	
4	0.24	0.24	0.41	0.40	0.39	0.58	0.70	0.69	0.10	0.37	0.26	0.20	
5	0.24	0.24	0.54	0.23	0.58	0.56	0.63	0.63	0.10	0.37	0.24	0.20	
6	0.24	0.24	0.55	0.40	0.52	0.57	0.63	0.62	0.09	0.37	0.23	0.20	
7	0.24	0.22	0.27	0.40	0.62	0.57	0.64	0.61	0.09	0.36	0.23	0.20	
8	0.24	0.21	0.40	0.42	0.64	0.57	0.65	0.60	0.20	0.36	0.23	0.20	
9	0.24	0.21	0.40	0.41	0.63	0.59	0.65	0.61	0.36	0.37	0.22	0.20	
10	0.24	0.22	0.42	0.41	0.65	0.56	0.49	0.63	0.33	0.37	0.21	0.20	
11	0.24	0.25	0.45	0.42	0.59	0.55	0.25	0.62	0.31	0.36	0.22	0.20	
12	0.24	0.25	0.54	0.43	0.60	0.55	0.52	0.46	0.31	0.35	0.24	0.20	
13	0.24	0.24	0.26	0.46	0.60	0.53	0.59	0.38	0.31	0.35	0.35	0.21	
14	0.24	0.22	0.22	0.42	0.53	0.50	0.63	0.41	0.30	0.28	0.25	0.21	
15	0.24	0.21	0.22	0.44	0.66	0.47	0.63	0.45	0.30	0.10	0.25	0.22	
16	0.24	0.21	0.34	0.43	0.65	0.58	0.66	0.38	0.30	0.10	0.25	0.27	
17	0.24	0.32	0.46	0.43	0.64	0.64	0.67	0.11	0.32	0.15	0.26	0.27	
18	0.24	0.26	0.46	0.43	0.62	0.25	0.66	0.16	0.35	0.28	0.26	0.25	
19	0.24	0.28	0.43	0.40	0.60	0.51	0.66	0.14	0.35	0.29	0.25	0.25	
20	0.21	0.50	0.14	0.36	0.58	0.45	0.66	0.10	0.35	0.31	0.24	0.25	
21	0.23	0.58	0.10	0.32	0.55	0.44	0.63	0.10	0.34	0.29	0.24	0.23	
22	0.25	0.40	0.10	0.33	0.55	0.54	0.62	0.05	0.33	0.27	0.23	0.23	
23	0.25	0.53	0.16	0.34	0.58	0.51	0.67	0.12	0.32	0.29	0.21	0.23	
24	0.24	0.56	0.28	0.44	0.58	0.56	0.69	0.27	0.32	0.31	0.22	0.24	
25	0.24	0.23	0.27	0.42	0.58	0.59	0.65	0.16	0.32	0.31	0.22	0.31	
26	0.24	0.23	0.29	0.46	0.57	0.66	0.66	0.10	0.32	0.30	0.20	0.32	
27	0.25	0.23	0.36	0.44	0.61	0.62	0.69	0.08	0.33	0.28	0.20	0.32	
28	0.48	0.26	0.39	0.56	0.60	0.66	0.71	0.10	0.34	0.31	0.20	0.32	
29	0.38	0.39	0.46	0.62	0.60	0.63	0.72	0.10	0.36	0.36	0.20	0.28	
30	0.34	0.46	0.43	0.55	0.59	0.64	0.60	0.10	0.36	0.35		0.28	
31		0.49		0.54	0.68		0.67		0.36	0.29		0.25	
MEAN	0.26	0.31	0.36	0.42	0.58	0.56	0.63	0.35	0.28	0.31	0.25	0.24	
MAX	0.48	0.58	0.55	0.62	0.68	0.66	0.72	0.65	0.36	0.37	0.42	0.32	0.72
MIN	0.21	0.21	0.10	0.23	0.39	0.25	0.25	0.05	0.02	0.10	0.20	0.20	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.76 M (A.D.) AT 9.00 HOURS, ON MAY 21, 1979

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

LEFT BANK ELEVATION 1.70 M (A.D.)

RIGHT BANK ELEVATION 1.29 M (A.D.), DRAINAGE AREA — SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.64	0.92	1.08	1.20	1.90	2.10	2.15	0.04	0.88	1.08	0.40	
2	0.50	0.56	1.24	1.04	1.36	1.85	1.95	2.16	0.34	0.88	1.00	0.40	
3	0.50	0.52	1.28	1.04	1.08	1.90	1.95	2.05	0.56	0.88	0.56	0.40	
4	0.48	0.48	1.04	1.00	0.96	1.80	2.40	2.05	0.20	0.88	0.52	0.40	
5	0.48	0.48	1.60	0.46	1.65	1.70	2.05	2.05	0.20	0.88	0.48	0.40	
6	0.48	0.48	1.65	1.00	1.50	1.75	2.05	2.00	0.18	0.88	0.46	0.40	
7	0.48	0.44	0.54	1.00	2.00	1.75	2.10	1.95	0.18	0.84	0.46	0.40	
8	0.48	0.42	1.00	1.08	2.10	1.75	2.15	1.90	0.40	0.84	0.46	0.40	
9	0.48	0.42	1.00	1.04	2.05	1.85	2.15	1.95	0.80	0.88	0.44	0.40	
10	0.48	0.44	1.08	1.04	2.15	1.70	1.86	2.05	0.72	0.88	0.42	0.40	
11	0.48	0.50	1.20	1.08	1.85	1.65	0.50	2.00	0.64	0.84	0.44	0.40	
12	0.48	0.50	1.60	1.12	1.90	1.65	1.50	1.24	0.64	0.80	0.76	0.40	
13	0.48	0.48	0.52	1.24	1.90	1.95	1.85	0.92	0.64	0.80	0.80	0.42	
14	0.48	0.44	0.44	1.08	2.05	1.40	2.05	1.04	0.60	0.56	0.50	0.42	
15	0.48	0.42	0.44	1.16	2.20	1.28	2.05	1.20	0.60	0.20	0.50	0.44	
16	0.48	0.42	0.76	1.12	2.15	1.80	2.20	0.92	0.60	0.20	0.50	0.54	
17	0.48	0.68	1.24	1.12	2.10	2.10	2.25	0.22	0.68	0.30	0.52	0.54	
18	0.48	0.52	1.24	1.12	2.00	0.50	2.20	0.32	0.80	0.56	0.52	0.50	
19	0.48	0.56	1.12	1.00	1.90	1.45	2.20	0.28	0.80	0.58	0.50	0.50	
20	0.42	1.40	0.28	0.84	1.65	1.20	2.20	0.20	0.80	0.64	0.48	0.50	
21	0.46	1.80	0.20	0.68	1.65	1.16	2.05	0.20	0.76	0.58	0.48	0.46	
22	0.50	1.00	0.20	0.72	1.65	1.60	2.00	0.10	0.72	0.54	0.46	0.46	
23	0.50	1.95	0.32	0.76	1.80	1.45	2.25	0.24	0.68	0.58	0.42	0.46	
24	0.48	1.70	0.56	1.16	1.80	1.70	2.35	0.54	0.68	0.64	0.44	0.48	
25	0.48	0.46	0.54	1.08	1.80	1.85	2.15	0.32	0.68	0.64	0.44	0.64	
26	0.48	0.46	0.58	1.24	1.75	2.20	2.20	0.20	0.68	0.60	0.40	0.68	
27	0.50	0.46	0.84	1.16	1.95	2.00	2.35	0.16	0.72	0.56	0.40	0.68	
28	1.32	0.52	0.96	1.70	1.90	2.20	2.45	0.20	0.76	0.64	0.40	0.68	
29	0.92	0.96	1.24	2.00	1.90	2.05	2.50	0.20	0.84	0.84	0.40	0.56	
30	0.76	1.24	1.12	1.65	1.85	2.10	1.90	0.20	0.84	0.80		0.56	
31		1.38		1.60	2.30		2.25		0.84	0.50		0.50	
TOTAL	15.98	22.31	28.75	34.41	56.10	50.84	63.71	31.00	18.62	21.12	15.24	14.82	370.90 CMSDAY
MEAN	0.53	0.72	0.89	1.11	1.81	1.69	2.06	1.03	0.60	0.68	0.53	0.48	1.01 CMS
MAX	1.32	1.80	1.65	2.00	2.30	2.20	2.50	2.16	0.84	0.88	1.08	0.68	2.50 CMS
MIN	0.42	0.42	0.20	0.46	0.96	0.50	0.50	0.10	0.04	0.20	0.40	0.40	0.04 CMS
RUNOFF	1.381	1.928	2.311	2.973	4.847	4.393	5.505	2.678	1.609	1.825	1.317	1.280	32.048 MCM

MOMENTARY PEAK 2.70 CMS, AT 0.76 M (A.D), AT 9.00 HOURS, ON MAY 21, 1979

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

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 16°-26'-57" N., LONG. 99°-26'-27" E., ON RIGHT BANK ABOUT 5.15 METERS DOWNSTREAM FROM THA KRADAN WEIR AT BAN MAI, TAMBON NA BO KHUM, AMPHOE MUANG, KAMPHAENG PHET.

DRAINAGE AREA — 969 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE AUTOMATIC GAGE BUILDING.

ELEVATION — +6.144 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972-1975

RATED BY FLOAT — -

RATED BY CURRENT METER — 1972-1975

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +5.39 M. (A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1974. FLOW REGULATED BY THA KRADAN WEIR BUILT BY THE LOCAL RESIDENTS.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

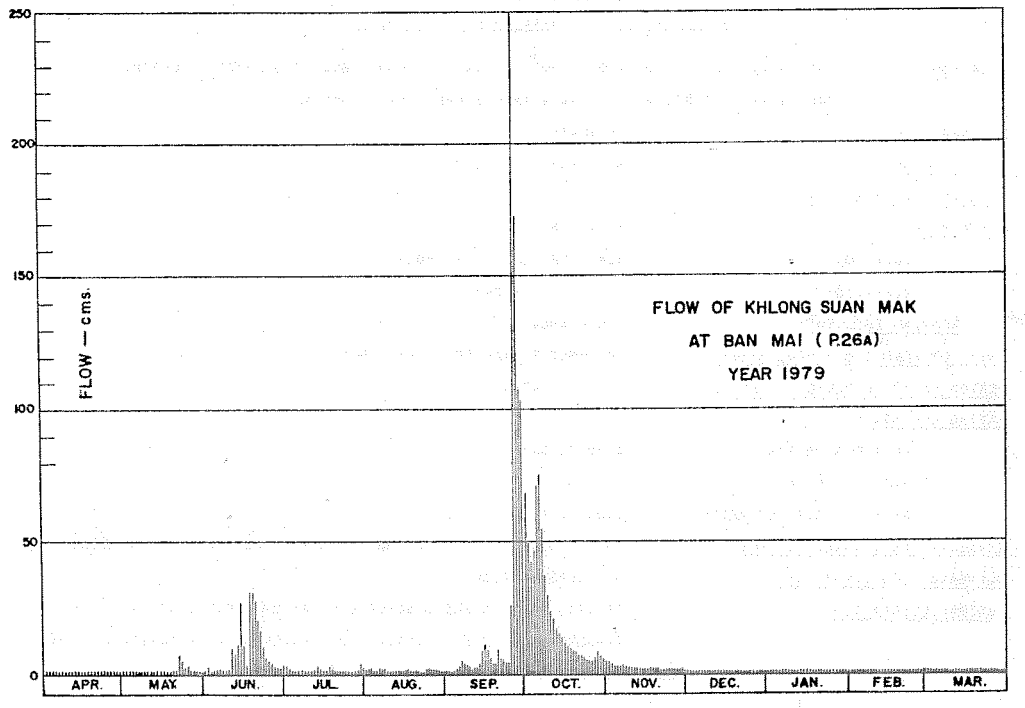
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.13	0.04	0.48	0.38	0.19	2.27	0.57	0.32	0.19	-0.03	-0.04	
2	0.04	0.14	0.41	0.42	0.40	0.21	1.87	0.52	0.31	0.18	-0.04	-0.04	
3	0.01	0.13	0.13	0.39	0.38	0.25	1.72	0.51	0.31	0.18	-0.04	-0.04	
4	0.03	0.09	0.10	0.35	0.33	0.30	1.81	0.49	0.31	0.17	-0.05	-0.04	
5	0.04	0.44	0.30	0.30	0.35	0.38	2.31	0.48	0.30	0.16	-0.05	-0.05	
6	0.05	0.02	0.37	0.30	0.43	0.55	2.39	0.46	0.30	0.16	-0.05	-0.06	
7	0.06	0.04	0.32	0.33	0.43	0.59	1.99	0.45	0.29	0.15	-0.06	-0.09	
8	0.06	0.11	0.27	0.30	0.39	0.50	1.62	0.45	0.27	0.15	-0.06	-0.09	
9	0.07	0.11	0.24	0.33	0.35	0.43	1.41	0.44	0.28	0.14	-0.06	-0.09	
10	0.07	0.11	0.32	0.29	0.31	0.40	1.28	0.43	0.28	0.14	-0.06	-0.10	
11	0.08	0.12	0.80	0.27	0.30	0.38	1.17	0.42	0.29	0.14	-0.06	-0.10	
12	0.08	0.12	0.71	0.28	0.29	0.40	1.10	0.41	0.27	0.13	-0.07	-0.10	
13	0.09	0.11	0.90	0.39	0.27	0.51	1.03	0.40	0.26	0.13	-0.07	-0.10	
14	0.09	0.11	1.36	0.46	0.28	0.74	0.97	0.38	0.26	0.12	-0.07	-0.10	
15	0.10	0.12	1.05	0.36	0.33	0.83	0.92	0.39	0.26	0.12	-0.08	-0.11	
16	0.10	0.13	0.48	0.34	0.36	0.79	0.88	0.37	0.26	0.12	-0.08	-0.11	
17	0.08	0.13	1.05	0.35	0.38	0.67	0.83	0.38	0.25	0.12	-0.08	-0.10	
18	0.03	0.12	1.48	0.49	0.36	0.55	0.80	0.37	0.24	0.11	-0.08	-0.11	
19	0.01	0.12	1.46	0.42	0.31	0.50	0.76	0.37	0.24	0.10	-0.08	-0.10	
20	0.01	0.12	1.26	0.32	0.29	0.76	0.74	0.36	0.24	0.09	-0.08	-0.10	
21	0.03	0.04	1.10	0.28	0.26	0.65	0.70	0.35	0.24	0.09	-0.09	-0.12	
22	0.02	0.68	0.95	0.30	0.24	0.63	0.68	0.34	0.23	0.08	-0.09	-0.12	
23	0.03	0.58	0.77	0.25	0.24	0.53	0.65	0.34	0.22	0.07	-0.09	-0.12	
24	0.02	0.44	0.63	0.22	0.32	0.51	0.62	0.33	0.22	0.07	-0.08	-0.11	
25	0.02	0.47	0.56	0.18	0.39	1.34	0.61	0.34	0.20	0.07	-0.07	-0.11	
26	0.06	0.30	0.51	0.14	0.36	1.94	0.59	0.34	0.20	0.06	-0.07	-0.10	
27	0.07	0.13	0.44	0.13	0.37	4.83	0.64	0.33	0.19	0.06	-0.06	-0.11	
28	0.07	0.00	0.42	0.21	0.34	3.83	0.76	0.33	0.20	0.05	-0.05	-0.11	
29	0.17	0.07	0.41	0.35	0.28	2.94	0.69	0.33	0.20	0.04	-0.04	-0.12	
30	0.31	0.10	0.44	0.49	0.22	2.88	0.64	0.33	0.20	0.04		-0.12	
31		0.09		0.40	0.23		0.60		0.19	0.02		-0.13	
MEAN	0.06	0.17	0.64	0.33	0.33	1.00	1.13	0.40	0.25	0.11	-0.07	-0.09	
MAX	0.31	0.68	1.48	0.49	0.43	4.83	2.39	0.57	0.32	0.19	-0.03	-0.04	4.83
MIN	0.01	0.00	0.04	0.13	0.22	0.19	0.59	0.33	0.19	0.02	-0.09	-0.13	-0.13

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.46 M (A.D.), AT 20.00 HOURS, ON SEP 26, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.); RIVER BED — 0.09 M (A.D.)

LEFT BANK ELEVATION — 5.55 M (A.D.)

RIGHT BANK ELEVATION — 5.38 M (A.D.), DRAINAGE AREA — 969 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.12	0.00	3.50	2.08	0.36	68.81	4.99	1.42	0.36	0.00	0.00	
2	0.00	0.16	2.45	2.60	2.30	0.48	48.89	4.14	1.31	0.32	0.00	0.00	
3	0.00	0.12	0.12	2.19	2.08	0.80	42.00	3.97	1.31	0.32	0.00	0.00	
4	0.00	0.00	0.00	1.75	1.53	1.20	46.07	3.65	1.31	0.28	0.00	0.00	
5	0.00	2.90	1.20	1.20	1.75	2.08	70.94	3.50	1.20	0.24	0.00	0.00	
6	0.00	0.00	1.97	1.20	2.75	4.65	75.26	3.20	1.20	0.24	0.00	0.00	
7	0.00	0.00	1.42	1.53	2.75	5.33	54.71	3.05	1.12	0.20	0.00	0.00	
8	0.00	0.04	0.96	1.20	2.19	3.80	37.66	3.05	0.96	0.20	0.00	0.00	
9	0.00	0.04	0.72	1.53	1.75	2.75	29.00	2.90	1.04	0.16	0.00	0.00	
10	0.00	0.04	1.42	1.12	1.31	2.30	24.08	2.75	1.04	0.16	0.00	0.00	
11	0.00	0.08	9.70	0.96	1.20	2.08	20.21	2.60	1.12	0.16	0.00	0.00	
12	0.00	0.08	7.72	1.04	1.12	2.30	17.90	2.45	0.96	0.12	0.00	0.00	
13	0.00	0.04	12.10	2.19	0.96	3.97	15.80	2.30	0.88	0.12	0.00	0.00	
14	0.00	0.04	27.08	3.20	1.04	8.38	14.06	2.08	0.88	0.08	0.00	0.00	
15	0.00	0.08	16.40	1.86	1.53	10.42	12.66	2.19	0.88	0.08	0.00	0.00	
16	0.00	0.12	3.50	1.64	1.86	9.48	11.62	1.97	0.88	0.08	0.00	0.00	
17	0.00	0.12	16.40	1.75	2.08	6.90	10.42	2.08	0.80	0.08	0.00	0.00	
18	0.00	0.08	31.80	3.65	1.86	4.65	9.70	1.97	0.72	0.04	0.00	0.00	
19	0.00	0.08	31.00	2.60	1.31	3.80	8.82	1.97	0.72	0.00	0.00	0.00	
20	0.00	0.08	23.36	1.42	1.12	8.82	8.38	1.86	0.72	0.00	0.00	0.00	
21	0.00	0.00	17.90	1.12	0.88	6.50	7.50	1.75	0.72	0.00	0.00	0.00	
22	0.00	7.10	13.50	1.20	0.72	6.10	7.10	1.64	0.64	0.00	0.00	0.00	
23	0.00	5.16	9.04	0.80	0.72	4.31	6.50	1.64	0.56	0.00	0.00	0.00	
24	0.00	2.90	6.10	0.56	1.42	3.97	5.90	1.53	0.56	0.00	0.00	0.00	
25	0.00	3.35	4.82	0.32	2.19	26.32	5.70	1.64	0.40	0.00	0.00	0.00	
26	0.00	1.20	3.97	0.16	1.86	52.26	5.33	1.64	0.40	0.00	0.00	0.00	
27	0.00	0.12	2.90	0.12	1.97	259.85	6.30	1.53	0.36	0.00	0.00	0.00	
28	0.00	0.00	2.60	0.48	1.64	172.40	8.82	1.53	0.40	0.00	0.00	0.00	
29	0.28	0.00	2.45	1.75	1.04	106.90	7.30	1.53	0.40	0.00	0.00	0.00	
30	1.31	0.00	2.90	3.65	0.56	103.30	6.30	1.53	0.40	0.00		0.00	
31		0.00		2.30	0.64		5.50		0.36	0.00		0.00	
TOTAL	1.59	24.05	255.50	50.59	48.21	826.46	699.24	72.63	25.67	3.24	0.00	0.00	2007.18 CMSDAY
MEAN	0.05	0.78	8.52	1.63	1.56	27.55	22.56	2.42	0.83	0.10	0.00	0.00	5.48 CMS
MAX	1.31	7.10	31.80	3.65	2.75	259.85	75.26	4.99	1.42	0.36	0.00	0.00	259.85 CMS
MIN	0.00	0.00	0.00	0.12	0.56	0.36	5.33	1.53	0.36	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.137	2.078	22.075	4.371	4.165	71.406	60.414	6.275	2.218	0.280	0.000	0.000	173.420 MCM

MOMENTARY PEAK 322.30 CMS, AT 5.46 M (A.D), AT 20.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 5.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 332.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

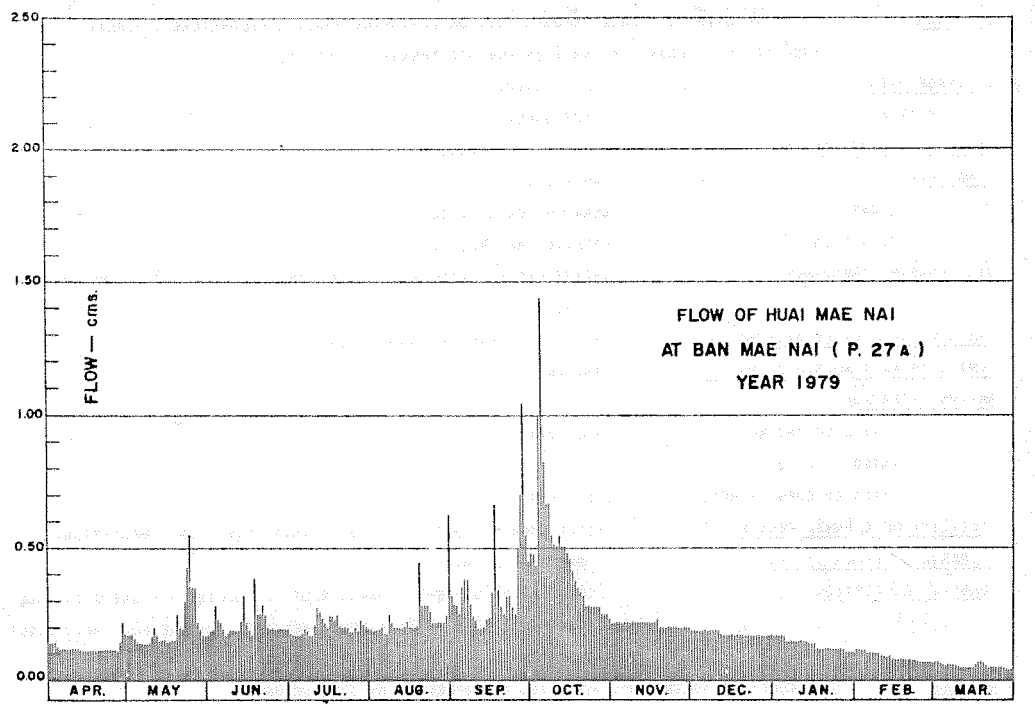
HUAI MAE NAI AT BAN MAE NAI, CHIANG MAI (P.27A)

LOCATION	LAT. 18°-53'-18" N., LONG. 98°-55'-00" E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM STATION P.27, BAN MAE NAI, AMPHOE MAE RIM, CHIANG MAI.
DRAINAGE AREA	18 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+3.263 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY A SERIES OF SMALL DIVERSION DAMS BUILT BY THE LOCAL RESIDENTS.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.25	0.26	0.26	0.26	0.32	0.37	0.28	0.26	0.25	0.22	0.18	
2	0.23	0.25	0.26	0.25	0.26	0.31	0.37	0.28	0.26	0.25	0.22	0.18	
3	0.23	0.25	0.31	0.25	0.26	0.31	0.34	0.28	0.26	0.25	0.22	0.18	
4	0.22	0.24	0.29	0.25	0.26	0.30	0.56	0.28	0.26	0.25	0.22	0.17	
5	0.22	0.23	0.28	0.25	0.27	0.33	0.49	0.28	0.26	0.25	0.21	0.17	
6	0.22	0.23	0.26	0.25	0.26	0.34	0.45	0.28	0.26	0.24	0.21	0.17	
7	0.22	0.23	0.25	0.27	0.25	0.34	0.42	0.28	0.26	0.24	0.21	0.17	
8	0.22	0.23	0.26	0.26	0.30	0.32	0.42	0.28	0.26	0.24	0.21	0.17	
9	0.22	0.23	0.26	0.25	0.29	0.30	0.39	0.28	0.26	0.24	0.21	0.17	
10	0.22	0.24	0.26	0.25	0.27	0.28	0.38	0.28	0.26	0.24	0.21	0.16	
11	0.22	0.27	0.26	0.29	0.27	0.27	0.38	0.28	0.26	0.24	0.20	0.16	
12	0.22	0.25	0.26	0.31	0.27	0.27	0.39	0.28	0.25	0.24	0.20	0.16	
13	0.21	0.24	0.29	0.30	0.27	0.27	0.38	0.28	0.25	0.24	0.20	0.16	
14	0.21	0.24	0.32	0.28	0.27	0.29	0.38	0.28	0.25	0.23	0.20	0.16	
15	0.21	0.24	0.28	0.27	0.28	0.29	0.37	0.28	0.25	0.23	0.19	0.16	
16	0.21	0.23	0.26	0.26	0.27	0.30	0.36	0.28	0.25	0.23	0.19	0.16	
17	0.21	0.23	0.25	0.30	0.27	0.42	0.35	0.28	0.25	0.23	0.19	0.18	
18	0.21	0.24	0.34	0.29	0.27	0.33	0.34	0.29	0.25	0.22	0.19	0.18	
19	0.21	0.24	0.30	0.30	0.27	0.32	0.33	0.27	0.25	0.22	0.19	0.18	
20	0.21	0.30	0.30	0.29	0.36	0.30	0.32	0.27	0.25	0.22	0.19	0.17	
21	0.21	0.27	0.31	0.27	0.31	0.31	0.32	0.27	0.25	0.22	0.19	0.16	
22	0.21	0.26	0.29	0.27	0.31	0.32	0.31	0.27	0.25	0.22	0.19	0.16	
23	0.21	0.33	0.27	0.27	0.31	0.32	0.31	0.27	0.25	0.22	0.19	0.16	
24	0.21	0.39	0.26	0.27	0.30	0.31	0.31	0.27	0.25	0.22	0.18	0.16	
25	0.21	0.33	0.26	0.25	0.28	0.30	0.31	0.27	0.25	0.22	0.18	0.16	
26	0.21	0.33	0.26	0.27	0.28	0.36	0.31	0.27	0.25	0.22	0.18	0.16	
27	0.21	0.29	0.26	0.26	0.28	0.42	0.31	0.27	0.25	0.22	0.18	0.15	
28	0.25	0.26	0.26	0.26	0.28	0.50	0.30	0.27	0.25	0.21	0.18	0.15	
29	0.28	0.25	0.26	0.29	0.28	0.40	0.30	0.27	0.25	0.21	0.18	0.15	
30	0.25	0.25	0.26	0.27	0.30	0.36	0.30	0.27	0.25	0.21		0.15	
31		0.25		0.27	0.41		0.29		0.25	0.21		0.15	
MEAN	0.22	0.26	0.27	0.27	0.28	0.33	0.36	0.28	0.25	0.23	0.20	0.16	
MAX	0.28	0.39	0.34	0.31	0.41	0.50	0.56	0.29	0.26	0.25	0.22	0.18	0.56
MIN	0.21	0.23	0.25	0.25	0.25	0.27	0.29	0.27	0.25	0.21	0.18	0.15	0.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.09 M (A.D), AT 1.00 HOURS, ON OCT 4, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 2.17 M (A.D)
RIGHT BANK ELEVATION 2.56 M (A.D), DRAINAGE AREA 18 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.17	0.19	0.19	0.19	0.32	0.48	0.22	0.19	0.17	0.12	0.07	
2	0.14	0.17	0.19	0.17	0.19	0.28	0.48	0.22	0.19	0.17	0.12	0.07	
3	0.14	0.17	0.28	0.17	0.19	0.28	0.38	0.22	0.19	0.17	0.12	0.07	
4	0.12	0.15	0.23	0.17	0.19	0.25	1.44	0.22	0.19	0.17	0.12	0.06	
5	0.12	0.14	0.22	0.17	0.20	0.35	1.00	0.22	0.19	0.17	0.11	0.06	
6	0.12	0.14	0.19	0.17	0.19	0.38	0.81	0.22	0.19	0.15	0.11	0.06	
7	0.12	0.14	0.17	0.20	0.17	0.38	0.67	0.22	0.19	0.15	0.11	0.06	
8	0.12	0.14	0.19	0.19	0.25	0.32	0.67	0.22	0.19	0.15	0.11	0.06	
9	0.12	0.14	0.19	0.17	0.23	0.25	0.55	0.22	0.19	0.15	0.11	0.06	
10	0.12	0.15	0.19	0.17	0.20	0.22	0.51	0.22	0.19	0.15	0.11	0.05	
11	0.12	0.20	0.19	0.23	0.20	0.20	0.51	0.22	0.19	0.15	0.09	0.05	
12	0.12	0.17	0.19	0.28	0.20	0.20	0.55	0.22	0.17	0.15	0.09	0.05	
13	0.11	0.15	0.23	0.25	0.20	0.20	0.51	0.22	0.17	0.15	0.09	0.05	
14	0.11	0.15	0.32	0.22	0.20	0.23	0.51	0.22	0.17	0.14	0.09	0.05	
15	0.11	0.15	0.22	0.20	0.22	0.23	0.48	0.22	0.17	0.14	0.08	0.05	
16	0.11	0.14	0.19	0.19	0.20	0.25	0.45	0.22	0.17	0.14	0.08	0.05	
17	0.11	0.14	0.17	0.25	0.20	0.67	0.41	0.22	0.17	0.14	0.08	0.07	
18	0.11	0.15	0.38	0.23	0.20	0.35	0.38	0.23	0.17	0.12	0.08	0.07	
19	0.11	0.15	0.25	0.25	0.20	0.32	0.35	0.20	0.17	0.12	0.08	0.07	
20	0.11	0.25	0.25	0.23	0.45	0.25	0.32	0.20	0.17	0.12	0.08	0.06	
21	0.11	0.20	0.28	0.20	0.28	0.28	0.32	0.20	0.17	0.12	0.08	0.05	
22	0.11	0.19	0.23	0.20	0.28	0.32	0.28	0.20	0.17	0.12	0.08	0.05	
23	0.11	0.35	0.20	0.20	0.28	0.32	0.28	0.20	0.17	0.12	0.08	0.05	
24	0.11	0.55	0.19	0.20	0.25	0.28	0.28	0.20	0.17	0.12	0.07	0.05	
25	0.11	0.35	0.19	0.17	0.22	0.25	0.28	0.20	0.17	0.12	0.07	0.05	
26	0.11	0.35	0.19	0.20	0.22	0.45	0.28	0.20	0.17	0.12	0.07	0.05	
27	0.11	0.23	0.19	0.19	0.22	0.67	0.28	0.20	0.17	0.12	0.07	0.04	
28	0.17	0.19	0.19	0.19	0.22	1.05	0.25	0.20	0.17	0.11	0.07	0.04	
29	0.22	0.17	0.19	0.23	0.22	0.58	0.25	0.20	0.17	0.11	0.07	0.04	
30	0.17	0.17	0.19	0.20	0.25	0.45	0.25	0.20	0.17	0.11		0.04	
31		0.17		0.20	0.63		0.23		0.17	0.11		0.04	
TOTAL	3.71	6.08	6.47	6.28	7.34	10.58	14.44	6.37	5.49	4.25	2.64	1.69	75.34 CMSDAY
MEAN	0.12	0.20	0.22	0.20	0.24	0.35	0.47	0.21	0.18	0.14	0.09	0.05	0.21 CMS
MAX	0.22	0.55	0.38	0.28	0.63	1.05	1.44	0.23	0.19	0.17	0.12	0.07	1.44 CMS
MIN	0.11	0.14	0.17	0.17	0.17	0.20	0.23	0.20	0.17	0.11	0.07	0.04	0.04 CMS
RUNOFF	0.321	0.525	0.559	0.543	0.634	0.914	1.248	0.550	0.474	0.367	0.228	0.146	6.509 MCM

MOMENTARY PEAK 6.88 CMS, AT 1.09 M (A.D), AT 1.00 HOURS, ON OCT 4, 1979

RUNOFF YIELD 11.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 382.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

MAE NGAT RIVER AT BAN MAI, CHIANG MAI (P.28)

LOCATION — LAT. 19°-10'-10" N., LONG. 99°-03'-09" E., ON LEFT BANK ABOUT 2 KILOMETERS UPSTREAM FROM MAE NGAT WEIR, BAN MAI, AMPHOE MAE TAENG, CHIANG MAI.

DRAINAGE AREA — 1,261 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +346.403 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +358.567 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966-1979

RATING OPERATION

PERIOD OF RATING — 1966-1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1966-1979

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

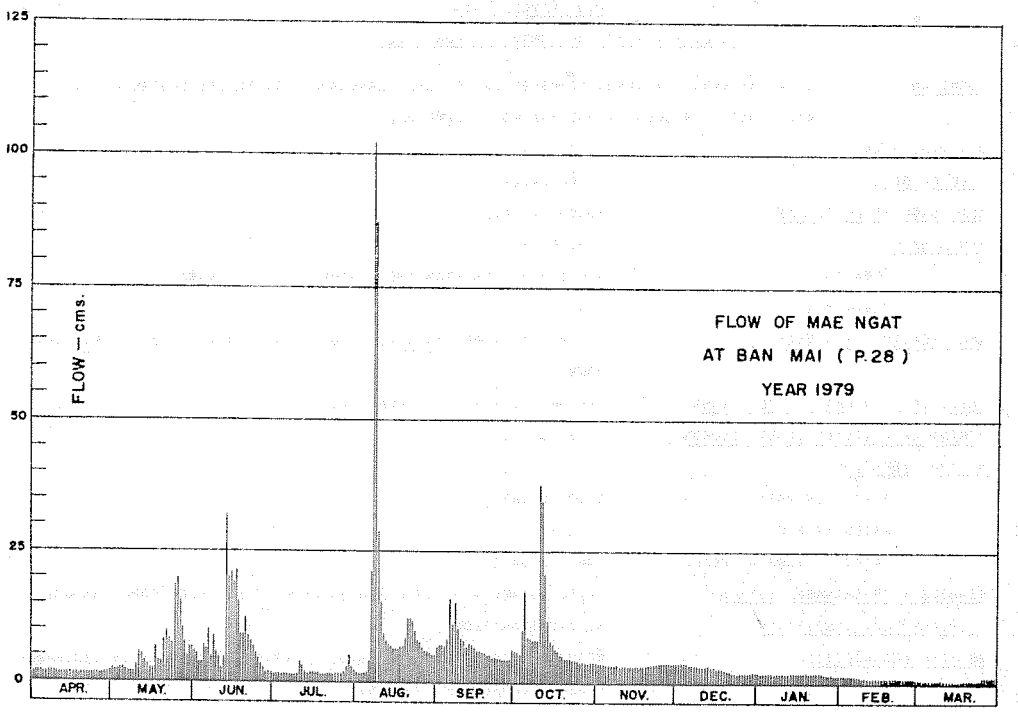
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 168 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY MAE NGAT WEIR BUILT FOR IRRIGATION BY THE LOCAL RESIDENTS.

REMARKS — GAGE HEIGHT DURING MAR 1-31,1980 WAS EFFECTED BY SOME SCOURING.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	346.80	346.85	347.07	346.77	346.78	347.12	347.03	346.90	346.91	346.74	346.64	346.49	
2	346.80	346.82	346.99	346.76	346.77	347.10	347.01	346.90	346.91	346.74	346.64	346.48	
3	346.80	346.81	346.92	346.75	346.77	347.13	347.04	346.90	346.91	346.74	346.63	346.48	
4	346.79	346.84	347.12	346.74	346.76	347.10	347.46	346.89	346.91	346.75	346.61	346.47	
5	346.79	346.81	347.06	346.73	346.80	347.16	347.18	346.89	346.90	346.74	346.61	346.47	
6	346.78	346.82	347.23	346.73	346.96	347.44	347.16	346.88	346.89	346.73	346.60	346.47	
7	346.78	346.80	346.98	346.72	347.55	347.27	347.17	346.88	346.89	346.73	346.60	346.47	
8	346.78	346.80	347.18	346.73	348.78	347.40	347.17	346.87	346.89	346.73	346.62	346.46	
9	346.78	346.80	347.02	346.71	348.62	347.23	347.16	346.88	346.88	346.73	346.58	346.46	
10	346.77	346.91	346.95	346.71	347.71	347.16	347.89	346.88	346.87	346.73	346.59	346.46	
11	346.75	347.03	346.86	346.91	347.41	347.14	347.83	346.88	346.87	346.73	346.60	346.45	
12	346.74	346.97	346.98	346.80	347.18	347.08	347.54	346.88	346.87	346.73	346.59	346.45	
13	346.73	346.91	347.78	346.77	347.13	347.12	347.28	346.88	346.87	346.73	346.59	346.46	
14	346.74	346.88	347.53	346.76	347.10	347.12	347.17	346.87	346.86	346.73	346.59	346.46	
15	346.75	346.86	347.54	346.81	347.09	347.08	347.11	346.88	346.85	346.73	346.59	346.46	
16	346.77	346.83	347.50	346.79	347.08	347.05	347.06	346.88	346.85	346.73	346.59	346.55	
17	346.78	347.09	347.55	346.78	347.09	347.05	347.03	346.88	346.85	346.73	346.59	346.54	
18	346.77	346.94	347.20	346.77	347.09	347.04	347.00	346.88	346.84	346.73	346.59	346.54	
19	346.75	346.91	347.21	346.76	347.10	347.03	346.98	346.88	346.83	346.72	346.59	346.55	
20	346.73	347.17	347.31	346.74	347.17	347.01	346.96	346.89	346.82	346.72	346.59	346.54	
21	346.73	347.23	347.18	346.73	347.30	347.01	346.97	346.89	346.80	346.72	346.58	346.55	
22	346.73	347.13	347.17	346.77	347.30	346.99	346.96	346.89	346.79	346.71	346.58	346.55	
23	346.73	347.10	347.09	346.75	347.25	346.98	346.95	346.90	346.78	346.71	346.58	346.55	
24	346.72	347.48	347.00	346.74	347.19	346.97	346.94	346.90	346.77	346.71	346.58	346.54	
25	346.76	347.53	346.94	346.74	347.13	346.96	346.93	346.90	346.77	346.71	346.57	346.63	
26	346.78	347.51	346.87	346.73	347.10	346.95	346.93	346.90	346.76	346.70	346.57	346.64	
27	346.76	347.24	346.83	346.74	347.06	346.95	346.92	346.91	346.76	346.69	346.57	346.65	
28	346.79	347.11	346.82	346.85	347.06	346.95	346.93	346.91	346.75	346.65	346.57	346.63	
29	346.80	347.01	346.80	347.01	347.04	346.97	346.93	346.91	346.75	346.64	346.57	346.62	
30	346.81	347.09	346.78	346.87	347.02	347.05	346.91	346.91	346.75	346.64		346.60	
31		347.08		346.81	347.01		346.91		346.74	346.64		346.59	
MEAN	346.77	347.01	347.11	346.77	347.21	347.09	347.11	346.89	346.83	346.71	346.59	346.52	
MAX	346.81	347.53	347.78	347.01	348.78	347.44	347.89	346.91	346.91	346.75	346.64	346.65	348.78
MIN	346.72	346.80	346.78	346.71	346.76	346.95	346.91	346.87	346.74	346.64	346.57	346.45	346.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 348.90 M (MSL), AT 14.00 HOURS, ON AUG 8, 1979
ZERO GAGE AT BOTTOM ELEVATION 346.40 M (MSL), RIVER BED 346.26 M (MSL)
LEFT BANK ELEVATION 358.50 M (MSL)
RIGHT BANK ELEVATION 351.74 M (MSL), DRAINAGE AREA 1261 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	2.75	6.40	1.85	1.90	7.40	5.60	3.50	3.65	1.70	1.20	0.45	
2	2.00	2.30	4.85	1.80	1.85	7.00	5.20	3.50	3.65	1.70	1.20	0.40	
3	2.00	2.15	3.80	1.75	1.85	7.60	5.80	3.50	3.65	1.70	1.15	0.40	
4	1.95	2.60	7.40	1.70	1.80	7.00	17.40	3.35	3.65	1.75	1.05	0.35	
5	1.95	2.15	6.20	1.65	2.00	8.20	8.60	3.35	3.50	1.70	1.05	0.35	
6	1.90	2.30	9.90	1.65	4.40	16.60	8.20	3.20	3.35	1.65	1.00	0.35	
7	1.90	2.00	4.70	1.60	21.00	11.10	8.40	3.20	3.35	1.65	1.00	0.35	
8	1.90	2.00	8.60	1.65	102.20	15.00	8.40	3.05	3.35	1.65	1.10	0.30	
9	1.90	2.00	5.40	1.55	87.80	9.90	8.20	3.20	3.20	1.65	0.90	0.30	
10	1.85	3.65	4.25	1.55	28.50	8.20	37.50	3.20	3.05	1.65	0.95	0.30	
11	1.75	5.60	2.90	3.65	15.40	7.80	34.50	3.20	3.05	1.65	1.00	0.25	
12	1.70	4.55	4.70	2.00	8.60	6.60	20.60	3.20	3.05	1.65	0.95	0.25	
13	1.65	3.65	32.00	1.85	7.60	7.40	11.40	3.20	3.05	1.65	0.95	0.30	
14	1.70	3.20	20.20	1.80	7.00	7.40	8.40	3.05	2.90	1.65	0.95	0.30	
15	1.75	2.90	20.60	2.15	6.80	6.60	7.20	3.20	2.75	1.65	0.95	0.30	
16	1.85	2.45	19.00	1.95	6.60	6.00	6.20	3.20	2.75	1.65	0.95	0.75	
17	1.90	6.80	21.00	1.90	6.80	6.00	5.60	3.20	2.75	1.65	0.95	0.70	
18	1.85	4.10	9.00	1.85	6.80	5.80	5.00	3.20	2.60	1.65	0.95	0.70	
19	1.75	3.65	9.30	1.80	7.00	5.60	4.70	3.20	2.45	1.60	0.95	0.75	
20	1.65	8.40	12.30	1.70	8.40	5.20	4.40	3.35	2.30	1.60	0.95	0.70	
21	1.65	9.90	8.60	1.65	12.00	5.20	4.55	3.35	2.00	1.60	0.90	0.75	
22	1.65	7.60	8.40	1.85	12.00	4.85	4.40	3.35	1.95	1.55	0.90	0.75	
23	1.65	7.00	6.80	1.75	10.50	4.70	4.25	3.50	1.90	1.55	0.90	0.75	
24	1.60	18.20	5.00	1.70	8.80	4.55	4.10	3.50	1.85	1.55	0.90	0.70	
25	1.80	20.20	4.10	1.70	7.60	4.40	3.95	3.50	1.85	1.55	0.85	1.15	
26	1.90	19.40	3.05	1.65	7.00	4.25	3.95	3.50	1.80	1.50	0.85	1.20	
27	1.80	10.20	2.45	1.70	6.20	4.25	3.80	3.65	1.80	1.45	0.85	1.25	
28	1.95	7.20	2.30	2.75	6.20	4.25	3.95	3.65	1.75	1.25	0.85	1.15	
29	2.00	5.20	2.00	5.20	5.80	4.55	3.95	3.65	1.75	1.20	0.85	1.10	
30	2.15	6.80	1.90	3.05	5.40	6.00	3.65	3.65	1.75	1.20		1.00	
31		6.60		2.15	5.20		3.65		1.70	1.20		0.95	
TOTAL	55.05	187.50	257.10	62.55	421.00	209.40	265.50	100.35	82.15	48.80	28.00	19.30	1736.70 CMSDAY
MEAN	1.83	6.05	8.57	2.02	13.58	6.98	8.56	3.34	2.65	1.57	0.97	0.62	4.75 CMS
MAX	2.15	20.20	32.00	5.20	102.20	16.60	37.50	3.65	3.65	1.75	1.20	1.25	102.20 CMS
MIN	1.60	2.00	1.90	1.55	1.80	4.25	3.65	3.05	1.70	1.20	0.85	0.25	0.25 CMS
RUNOFF	4.756	16.200	22.213	5.404	36.374	18.092	22.939	8.670	7.098	4.216	2.419	1.668	150.051 MCM

MOMENTARY PEAK 113.00 CMS, AT 348.90 M (MSL), AT 14.00 HOURS, ON AUG 8, 1979

RUNOFF YIELD 3.76 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 89.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

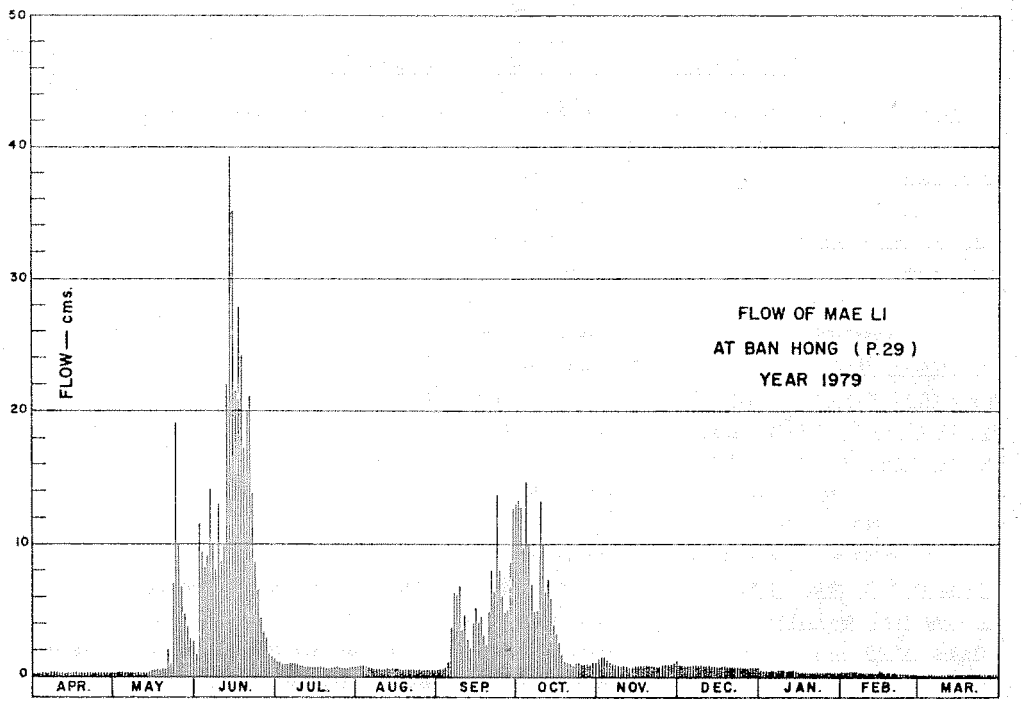
MAE LI RIVER AT BAN HONG, LAMPHUN (P.29)

LOCATION	LAT. 18°-18'-35" N., LONG. 98°-49'-35" E., ON LEFT BANK ABOUT 10 METERS UPSTREAM FROM KAEO SONTHI BRIDGE, AMPHOE BAN HONG, LAMPHUN.
DRAINAGE AREA	1,970 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-P.29
LOCATION	ABOUT 3 METERS FROM THE ABUTMENT OF THE BRIDGE.
ELEVATION	+3.420 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.29	0.58	0.50	0.43	0.37	1.21	0.53	0.44	0.35	0.31	0.26	
2	0.28	0.28	1.16	0.48	0.42	0.39	1.20	0.53	0.43	0.34	0.30	0.26	
3	0.28	0.28	1.10	0.47	0.43	0.39	1.09	0.52	0.43	0.34	0.30	0.26	
4	0.28	0.27	1.06	0.46	0.43	0.46	1.24	0.49	0.43	0.35	0.30	0.27	
5	0.28	0.27	1.09	0.46	0.38	0.53	1.15	0.47	0.45	0.34	0.30	0.27	
6	0.28	0.27	1.23	0.47	0.37	0.82	1.05	0.45	0.45	0.34	0.30	0.26	
7	0.28	0.27	1.12	0.47	0.37	0.97	0.94	0.46	0.45	0.33	0.29	0.26	
8	0.27	0.28	1.05	0.49	0.37	0.96	0.90	0.44	0.44	0.33	0.29	0.27	
9	0.27	0.28	1.20	0.46	0.37	1.00	0.90	0.41	0.44	0.33	0.28	0.28	
10	0.28	0.28	1.07	0.44	0.37	0.79	1.21	0.40	0.43	0.33	0.28	0.28	
11	0.27	0.30	1.10	0.42	0.37	0.88	1.05	0.40	0.43	0.33	0.28	0.28	
12	0.27	0.30	1.19	0.41	0.36	0.72	0.97	0.39	0.43	0.33	0.27	0.28	
13	0.27	0.29	1.52	0.43	0.36	0.64	1.01	0.39	0.43	0.33	0.26	0.28	
14	0.27	0.29	1.66	0.43	0.37	0.78	0.85	0.40	0.43	0.33	0.27	0.27	
15	0.28	0.37	1.59	0.43	0.37	0.91	0.81	0.42	0.42	0.32	0.36	0.28	
16	0.28	0.37	1.39	0.42	0.37	0.84	0.77	0.43	0.41	0.32	0.26	0.27	
17	0.28	0.36	1.50	0.42	0.37	0.86	0.69	0.44	0.41	0.32	0.26	0.27	
18	0.28	0.37	1.42	0.42	0.37	0.79	0.56	0.43	0.42	0.32	0.25	0.27	
19	0.28	0.37	1.31	0.42	0.36	0.65	0.49	0.42	0.42	0.32	0.25	0.27	
20	0.28	0.38	1.37	0.41	0.36	0.97	0.48	0.42	0.43	0.32	0.25	0.27	
21	0.28	0.62	1.38	0.41	0.36	1.05	0.47	0.42	0.43	0.31	0.25	0.27	
22	0.27	0.46	1.21	0.42	0.36	0.97	0.45	0.42	0.40	0.31	0.24	0.27	
23	0.27	0.64	1.09	0.43	0.37	1.22	0.49	0.42	0.40	0.31	0.25	0.28	
24	0.28	1.34	1.01	0.43	0.36	1.05	0.48	0.44	0.39	0.31	0.24	0.28	
25	0.28	1.12	0.89	0.44	0.36	1.01	0.46	0.45	0.39	0.30	0.23	0.29	
26	0.29	1.01	0.79	0.40	0.36	0.90	0.45	0.46	0.38	0.30	0.23	0.29	
27	0.31	0.90	0.74	0.42	0.37	0.91	0.45	0.46	0.38	0.30	0.22	0.29	
28	0.30	0.84	0.59	0.42	0.37	1.02	0.46	0.45	0.38	0.30	0.21	0.29	
29	0.32	0.75	0.54	0.42	0.37	1.14	0.45	0.48	0.36	0.30	0.22	0.29	
30	0.29	0.67	0.54	0.42	0.37	1.20	0.51	0.50	0.35	0.31		0.28	
31		0.69		0.43	0.37		0.48		0.35	0.31		0.28	
MEAN	0.28	0.49	1.12	0.44	0.37	0.84	0.77	0.44	0.41	0.32	0.27	0.27	
MAX	0.32	1.34	1.66	0.50	0.43	1.22	1.24	0.53	0.45	0.35	0.36	0.29	1.66
MIN	0.27	0.27	0.54	0.40	0.36	0.37	0.45	0.39	0.35	0.30	0.21	0.26	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.72 M (A.D), AT 18.00 HOURS, ON JUN 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.17 M (A.D)
LEFT BANK ELEVATION 4.81 M (A.D)
RIGHT BANK ELEVATION 4.82 M (A.D), DRAINAGE AREA 1970 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.27	1.76	1.20	0.85	0.58	13.40	1.41	0.90	0.50	0.34	0.18	
2	0.24	0.24	11.52	1.10	0.80	0.66	13.00	1.41	0.85	0.46	0.30	0.18	
3	0.24	0.24	9.30	1.05	0.85	0.66	9.07	1.34	0.85	0.46	0.30	0.18	
4	0.24	0.21	8.38	1.00	0.85	1.00	14.60	1.15	0.85	0.50	0.30	0.21	
5	0.24	0.21	9.07	1.00	0.62	1.41	11.15	1.05	0.95	0.46	0.30	0.21	
6	0.24	0.21	14.20	1.05	0.58	3.96	8.15	0.95	0.95	0.46	0.30	0.18	
7	0.24	0.21	10.04	1.05	0.58	6.40	5.80	1.00	0.95	0.42	0.27	0.18	
8	0.21	0.24	8.15	1.15	0.58	6.20	5.00	0.90	0.90	0.42	0.27	0.21	
9	0.21	0.24	13.00	1.00	0.58	7.00	5.00	0.75	0.90	0.42	0.24	0.24	
10	0.24	0.24	8.61	0.90	0.58	3.60	13.40	0.70	0.85	0.42	0.24	0.24	
11	0.21	0.30	9.30	0.80	0.58	4.74	8.15	0.70	0.85	0.42	0.24	0.24	
12	0.21	0.30	12.63	0.75	0.54	2.90	6.40	0.66	0.85	0.42	0.21	0.24	
13	0.21	0.27	29.36	0.85	0.54	2.22	7.23	0.66	0.85	0.42	0.18	0.24	
14	0.21	0.27	39.12	0.85	0.58	3.50	4.35	0.70	0.85	0.42	0.21	0.21	
15	0.24	0.58	34.12	0.85	0.58	5.20	3.83	0.80	0.80	0.38	0.54	0.24	
16	0.24	0.58	21.50	0.80	0.58	4.22	3.40	0.85	0.75	0.38	0.18	0.21	
17	0.24	0.54	28.00	0.80	0.58	4.48	2.62	0.90	0.75	0.38	0.18	0.21	
18	0.24	0.56	33.20	0.80	0.58	3.60	1.62	0.85	0.80	0.38	0.15	0.21	
19	0.24	0.58	17.50	0.80	0.54	2.30	1.15	0.80	0.80	0.38	0.15	0.21	
20	0.24	0.62	20.50	0.75	0.54	6.40	1.10	0.80	0.85	0.38	0.15	0.21	
21	0.24	2.06	21.00	0.75	0.54	8.15	1.05	0.80	0.85	0.34	0.15	0.21	
22	0.21	1.00	13.40	0.80	0.54	6.40	0.95	0.80	0.70	0.34	0.12	0.21	
23	0.21	2.22	9.07	0.85	0.58	13.80	1.15	0.80	0.70	0.34	0.15	0.24	
24	0.24	19.00	7.23	0.85	0.54	8.15	1.10	0.90	0.66	0.34	0.12	0.24	
25	0.24	10.04	4.87	0.90	0.54	7.23	1.00	0.95	0.66	0.30	0.09	0.27	
26	0.27	7.23	3.60	0.70	0.54	5.00	0.95	1.00	0.62	0.30	0.09	0.27	
27	0.34	5.00	3.10	0.80	0.58	5.20	0.95	1.00	0.62	0.30	0.06	0.27	
28	0.30	4.22	1.83	0.80	0.58	7.46	1.00	0.95	0.62	0.30	0.03	0.27	
29	0.38	3.20	1.48	0.80	0.58	10.78	0.95	1.10	0.54	0.30	0.06	0.27	
30	0.27	2.46	1.48	0.80	0.58	13.00	1.27	1.20	0.50	0.34		0.24	
31		2.62		0.85	0.58		1.10		0.50	0.34		0.24	
TOTAL	7.32	65.98	396.32	27.45	18.69	156.20	149.89	27.88	24.07	12.02	5.92	6.96	898.70 CMSDAY
MEAN	0.24	2.13	13.21	0.89	0.60	5.21	4.84	0.93	0.78	0.39	0.20	0.22	2.46 CMS
MAX	0.38	19.00	39.12	1.20	0.85	13.80	14.60	1.41	0.95	0.50	0.54	0.27	39.12 CMS
MIN	0.21	0.21	1.48	0.70	0.54	0.58	0.95	0.66	0.50	0.30	0.03	0.18	0.03 CMS
RUNOFF	0.632	5.701	34.242	2.372	1.615	13.496	12.950	2.409	2.080	1.039	0.511	0.601	77.648 MCM

MOMENTARY PEAK 43.70 CMS, AT 1.72 M (A.D), AT 18.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD 1.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

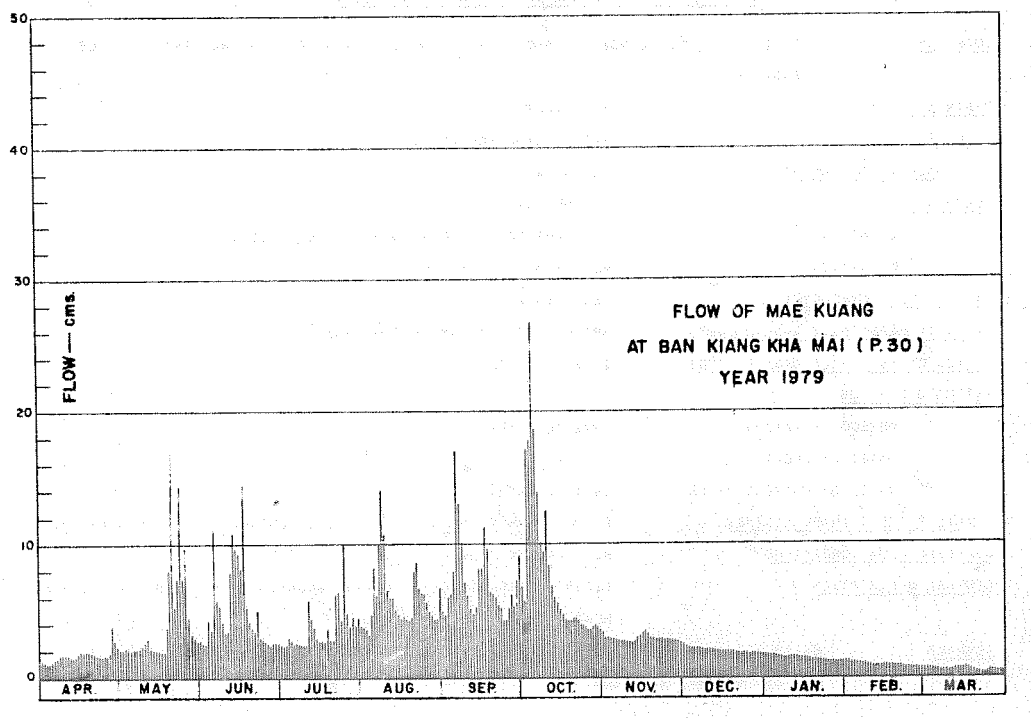
MAE KUANG RIVER AT BAN KIANG KHA MAI, CHIANG MAI (P.30)

LOCATION	LAT. 18°-56'-35" N., LONG. 99°-08'-20" E., ON RIGHT BANK AT BAN KIANG KHA MAI, AMPHOE DOI SAKET, CHIANG MAI.
DRAINAGE AREA	466 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+344.50 M. (M.S.L.)
BENCH MARK	B.M.-M.S.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+349.874 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 - 1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 - 1973
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 686 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	345.03	345.11	345.17	345.15	345.26	345.33	345.42	345.21	345.16	345.08	345.02	344.97	
2	345.02	345.11	345.15	345.15	345.25	345.31	345.37	345.20	345.15	345.08	345.02	344.97	
3	345.01	345.11	345.17	345.14	345.24	345.38	345.78	345.19	345.13	345.08	345.02	344.97	
4	345.02	345.11	345.29	345.20	345.21	345.38	345.80	345.19	345.12	345.07	345.01	344.96	
5	345.03	345.10	345.24	345.19	345.33	345.46	346.02	345.19	345.12	345.06	345.01	344.95	
6	345.05	345.11	345.59	345.16	345.47	345.77	345.80	345.18	345.12	345.06	345.01	344.95	
7	345.07	345.11	345.37	345.16	345.38	345.64	345.67	345.18	345.12	345.07	345.01	344.95	
8	345.07	345.12	345.35	345.16	345.68	345.62	345.57	345.18	345.12	345.06	345.01	344.95	
9	345.07	345.14	345.30	345.15	345.59	345.44	345.52	345.17	345.12	345.05	345.00	344.95	
10	345.08	345.16	345.24	345.14	345.46	345.40	345.63	345.17	345.11	345.06	345.00	344.94	
11	345.07	345.19	345.24	345.16	345.40	345.35	345.50	345.17	345.11	345.06	344.99	344.93	
12	345.07	345.13	345.44	345.37	345.37	345.31	345.45	345.17	345.11	345.06	344.99	344.93	
13	345.05	345.11	345.57	345.30	345.38	345.34	345.41	345.18	345.11	345.06	344.99	344.94	
14	345.06	345.10	345.53	345.23	345.33	345.45	345.37	345.20	345.11	345.06	344.99	344.95	
15	345.10	345.10	345.51	345.19	345.31	345.39	345.35	345.22	345.11	345.05	345.00	344.95	
16	345.11	345.10	345.47	345.17	345.30	345.39	345.33	345.23	345.10	345.05	345.00	344.95	
17	345.10	345.09	345.69	345.17	345.31	345.59	345.31	345.24	345.10	345.05	345.00	344.97	
18	345.10	345.09	345.35	345.17	345.30	345.51	345.29	345.21	345.10	345.05	345.00	344.96	
19	345.10	345.26	345.32	345.25	345.29	345.40	345.30	345.20	345.10	345.04	344.99	344.94	
20	345.08	345.57	345.27	345.19	345.31	345.39	345.30	345.20	345.10	345.04	344.99	344.93	
21	345.07	345.76	345.23	345.16	345.46	345.37	345.31	345.19	345.10	345.04	344.99	344.91	
22	345.07	345.35	345.33	345.39	345.49	345.35	345.30	345.19	345.10	345.04	344.98	344.91	
23	345.07	345.49	345.23	345.40	345.42	345.34	345.29	345.19	345.09	345.04	344.97	344.88	
24	345.07	345.69	345.20	345.36	345.39	345.30	345.27	345.18	345.09	345.04	344.97	344.88	
25	345.07	345.44	345.18	345.30	345.39	345.30	345.26	345.18	345.09	345.03	344.97	344.94	
26	345.07	345.53	345.16	345.54	345.35	345.34	345.25	345.18	345.09	345.03	344.97	344.92	
27	345.08	345.31	345.14	345.32	345.33	345.39	345.25	345.18	345.09	345.03	344.97	344.91	
28	345.27	345.24	345.16	345.26	345.31	345.35	345.26	345.18	345.09	345.02	344.97	344.91	
29	345.18	345.21	345.17	345.30	345.29	345.44	345.28	345.17	345.09	345.02	344.97	344.90	
30	345.13	345.19	345.16	345.26	345.31	345.51	345.26	345.16	345.09	345.02		344.90	
31		345.18		345.30	345.41		345.23		345.09	345.02		344.90	
MEAN	345.08	345.24	345.31	345.24	345.36	345.42	345.42	345.19	345.11	345.05	344.99	344.93	
MAX	345.27	345.76	345.69	345.54	345.68	345.77	346.02	345.24	345.16	345.08	345.02	344.97	346.02
MIN	345.01	345.09	345.14	345.14	345.21	345.30	345.23	345.16	345.09	345.02	344.97	344.88	344.88

ANNUAL MAX MOMENTARY GAGE HEIGHT 346.46 M (MSL), AT 14:00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 344.50 M (MSL), RIVER BED 344.49 M (MSL)
LEFT BANK ELEVATION 351.38 M (MSL)
RIGHT BANK ELEVATION 350.27 M (MSL), DRAINAGE AREA 466 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	2.10	2.70	2.50	3.84	5.03	7.00	3.14	2.60	1.80	1.20	0.82	
2	1.20	2.10	2.50	2.50	3.70	4.61	5.87	3.00	2.50	1.80	1.20	0.82	
3	1.10	2.10	2.70	2.40	3.56	6.08	17.36	2.90	2.30	1.80	1.20	0.82	
4	1.20	2.10	4.26	3.00	3.14	6.08	18.00	2.90	2.20	1.70	1.10	0.76	
5	1.30	2.00	3.56	2.90	5.03	8.00	26.92	2.90	2.20	1.60	1.10	0.70	
6	1.50	2.10	11.34	2.60	8.25	17.04	18.00	2.80	2.20	1.60	1.10	0.70	
7	1.70	2.10	5.87	2.60	6.08	12.88	13.84	2.80	2.20	1.70	1.10	0.70	
8	1.70	2.20	5.45	2.60	14.16	12.24	10.82	2.80	2.20	1.60	1.10	0.70	
9	1.70	2.40	4.40	2.50	11.34	7.50	9.52	2.70	2.20	1.50	1.00	0.70	
10	1.80	2.60	3.56	2.40	8.00	6.50	12.56	2.70	2.10	1.60	1.00	0.64	
11	1.70	2.90	3.56	2.60	6.50	5.45	9.00	2.70	2.10	1.60	0.94	0.58	
12	1.70	2.30	7.50	5.87	5.87	4.61	7.75	2.70	2.10	1.60	0.94	0.58	
13	1.50	2.10	10.82	4.40	6.08	5.24	6.75	2.80	2.10	1.60	0.94	0.64	
14	1.60	2.00	9.78	3.42	5.03	7.75	5.87	3.00	2.10	1.60	0.94	0.70	
15	2.00	2.00	9.26	2.90	4.61	6.29	5.45	3.28	2.10	1.50	1.00	0.70	
16	2.10	2.00	8.25	2.70	4.40	6.29	5.03	3.42	2.00	1.50	1.00	0.70	
17	2.00	1.90	14.48	2.70	4.61	11.34	4.61	3.56	2.00	1.50	1.00	0.82	
18	2.00	1.90	5.45	2.70	4.40	9.26	4.26	3.14	2.00	1.50	1.00	0.76	
19	2.00	3.84	4.82	3.70	4.26	6.50	4.40	3.00	2.00	1.40	0.94	0.64	
20	1.80	10.82	3.98	2.90	4.61	6.29	4.40	3.00	2.00	1.40	0.94	0.58	
21	1.70	16.72	3.42	2.60	8.00	5.87	4.61	2.90	2.00	1.40	0.94	0.46	
22	1.70	5.45	5.03	6.29	8.75	5.45	4.40	2.90	2.00	1.40	0.88	0.46	
23	1.70	8.75	3.42	6.50	7.00	5.24	4.26	2.90	1.90	1.40	0.82	0.32	
24	1.70	14.48	3.00	5.66	6.29	4.40	3.98	2.80	1.90	1.40	0.82	0.32	
25	1.70	7.50	2.80	4.40	6.29	4.40	3.84	2.80	1.90	1.30	0.82	0.64	
26	1.70	9.78	2.60	10.04	5.45	5.24	3.70	2.80	1.90	1.30	0.82	0.52	
27	1.80	4.61	2.40	4.82	5.03	6.29	3.70	2.80	1.90	1.30	0.82	0.46	
28	3.98	3.56	2.60	3.84	4.61	5.45	3.84	2.80	1.90	1.20	0.82	0.46	
29	2.80	3.14	2.70	4.40	4.26	7.50	4.12	2.70	1.90	1.20	0.82	0.40	
30	2.30	2.90	2.60	3.84	4.61	9.26	3.84	2.60	1.90	1.20		0.40	
31		2.80		4.40	6.75		3.42		1.90	1.20		0.40	
TOTAL	53.98	133.25	154.81	116.68	184.51	214.08	241.12	87.24	64.30	46.20	28.30	18.90	1343.37 CMSDAY
MEAN	1.80	4.30	5.16	3.76	5.95	7.14	7.78	2.91	2.07	1.49	0.98	0.61	3.67 CMS
MAX	3.98	16.72	14.48	10.04	14.16	17.04	26.92	3.56	2.60	1.80	1.20	0.82	26.92 CMS
MIN	1.10	1.90	2.40	2.40	3.14	4.40	3.42	2.60	1.90	1.20	0.82	0.32	0.32 CMS
RUNOFF	4.664	11.513	13.376	10.081	15.942	18.496	20.833	7.538	5.556	3.992	2.445	1.633	116.067 MCM

MOMENTARY PEAK 51.76 CMS, AT 346.46 M (MSL), AT 14.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 7.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 111.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 16°-55'-27" N., LONG. 99°-18'-09" E., ON RIGHT BANK AT BAN KHLONG PRADU, AMPHOE MUANG, TAK.

DRAINAGE AREA — 342 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +3.516 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1971 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-MAY 20, JUL 23-SEP 13,1979 AND DEC 11,1979-MAR 31,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

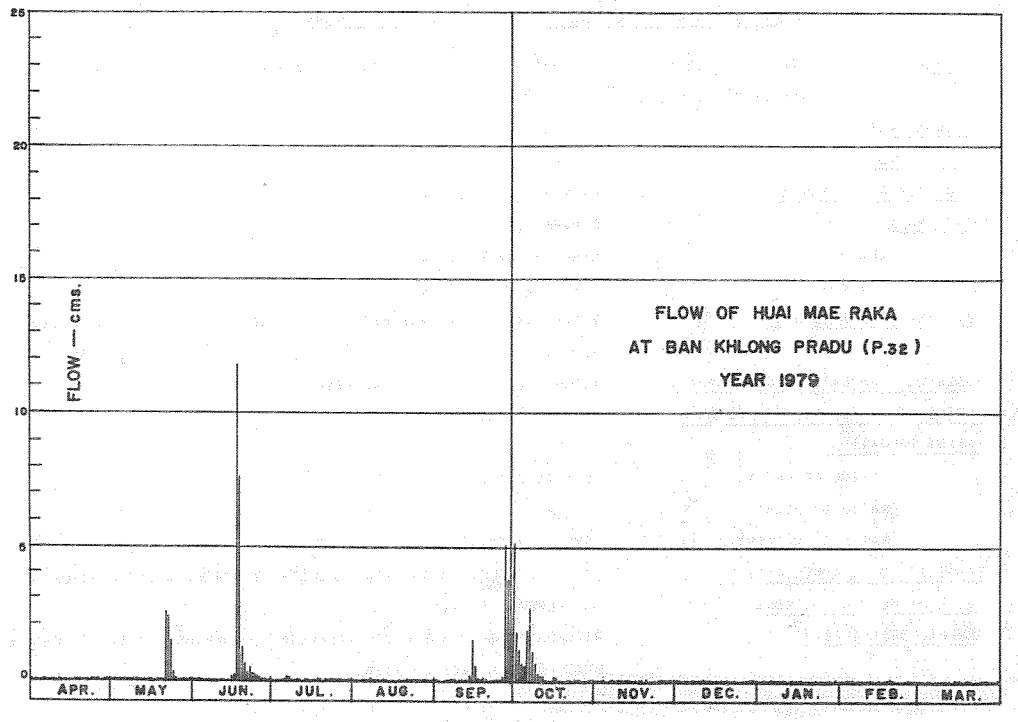
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.18	-0.18	-0.12	-0.03	-0.18	-0.18	0.67	-0.08	-0.13	-0.18	-0.18	-0.18	
2	-0.18	-0.18	-0.13	-0.04	-0.18	-0.18	0.40	-0.08	-0.12	-0.16	-0.18	-0.18	
3	-0.18	-0.18	-0.14	-0.05	-0.18	-0.18	0.28	-0.10	-0.13	-0.18	-0.18	-0.18	
4	-0.18	-0.18	-0.11	-0.05	-0.18	-0.18	0.21	-0.10	-0.11	-0.18	-0.18	-0.18	
5	-0.18	-0.18	-0.10	0.01	-0.18	-0.18	0.19	-0.10	-0.11	-0.18	-0.18	-0.18	
6	-0.18	-0.18	-0.09	0.06	-0.18	-0.18	0.45	-0.10	-0.12	-0.18	-0.18	-0.18	
7	-0.18	-0.18	-0.10	0.02	-0.18	-0.18	0.50	-0.10	-0.13	-0.18	-0.18	-0.18	
8	-0.18	-0.18	-0.11	-0.04	-0.18	-0.18	0.27	-0.10	-0.14	-0.18	-0.18	-0.18	
9	-0.18	-0.18	-0.11	-0.04	-0.18	-0.18	0.16	-0.10	-0.14	-0.18	-0.18	-0.18	
10	-0.18	-0.18	-0.11	-0.07	-0.18	-0.18	0.11	-0.11	-0.15	-0.18	-0.18	-0.18	
11	-0.18	-0.18	-0.11	-0.07	-0.18	-0.18	0.08	-0.11	-0.18	-0.18	-0.18	-0.18	
12	-0.18	-0.18	-0.12	-0.06	-0.18	-0.18	0.05	-0.11	-0.18	-0.18	-0.18	-0.18	
13	-0.18	-0.18	-0.11	0.02	-0.18	-0.18	0.04	-0.12	-0.18	-0.18	-0.18	-0.18	
14	-0.18	-0.18	0.02	-0.03	-0.18	0.20	0.02	-0.12	-0.18	-0.18	-0.18	-0.18	
15	-0.19	-0.18	0.09	-0.04	-0.18	0.34	0.01	-0.12	-0.18	-0.18	-0.18	-0.18	
16	-0.18	-0.18	0.96	-0.06	-0.18	0.15	-0.01	-0.12	-0.18	-0.18	-0.18	-0.18	
17	-0.18	-0.18	1.13	-0.08	-0.18	0.04	-0.02	-0.12	-0.18	-0.18	-0.18	-0.18	
18	-0.18	-0.18	0.54	-0.10	-0.18	0.01	-0.04	-0.12	-0.18	-0.18	-0.18	-0.18	
19	-0.18	-0.19	0.27	-0.10	-0.18	-0.02	-0.05	-0.11	-0.18	-0.18	-0.18	-0.18	
20	-0.18	-0.18	0.17	-0.11	-0.18	-0.04	-0.05	-0.11	-0.18	-0.18	-0.18	-0.18	
21	-0.18	0.48	0.12	-0.12	-0.18	-0.06	-0.06	-0.12	-0.18	-0.18	-0.18	-0.18	
22	-0.18	0.45	0.15	-0.12	-0.18	-0.06	-0.07	-0.12	-0.18	-0.18	-0.18	-0.18	
23	-0.18	0.27	0.08	-0.18	-0.18	-0.05	-0.10	-0.12	-0.18	-0.18	-0.18	-0.18	
24	-0.18	0.08	0.05	-0.18	-0.18	-0.04	-0.10	-0.12	-0.18	-0.18	-0.18	-0.18	
25	-0.18	0.01	0.03	-0.18	-0.18	-0.05	-0.10	-0.12	-0.18	-0.18	-0.18	-0.18	
26	-0.18	-0.04	-0.01	-0.18	-0.18	-0.03	-0.11	-0.12	-0.18	-0.18	-0.18	-0.18	
27	-0.18	-0.08	-0.02	-0.18	-0.18	0.64	-0.05	-0.12	-0.18	-0.18	-0.18	-0.18	
28	-0.18	-0.09	-0.04	-0.18	-0.18	0.71	-0.01	-0.12	-0.18	-0.18	-0.18	-0.18	
29	-0.18	-0.10	-0.02	-0.18	-0.18	0.60	-0.04	-0.12	-0.18	-0.18	-0.18	-0.18	
30	-0.18	-0.11	-0.02	-0.18	-0.18	1.54	-0.05	-0.13	-0.18	-0.18		-0.18	
31		-0.11		0.00	0.00		-0.08		0.00	0.00		0.00	
MEAN	-0.18	-0.09	0.07	-0.08	-0.17	0.05	0.08	-0.11	-0.16	-0.17	-0.18	-0.17	
MAX	-0.18	0.48	1.13	0.06	0.00	1.54	0.67	-0.08	0.00	0.00	-0.18	0.00	1.54
MIN	-0.18	-0.18	-0.14	-0.18	-0.18	-0.18	-0.11	-0.13	-0.18	-0.18	-0.18	-0.18	-0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT — M (A.D), AT — HOURS, ON

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -0.18 M (A.D)

LEFT BANK ELEVATION — 3.48 M (A.D)

RIGHT BANK ELEVATION — 3.32 M (A.D), DRAINAGE AREA — 342 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.07	0.00	0.00	4.64	0.02	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.06	0.00	0.00	1.90	0.02	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.05	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.05	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.12	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.01	0.22	0.00	0.00	2.35	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.14	0.00	0.00	2.80	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.06	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.06	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.03	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.03	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.04	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.14	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.14	0.07	0.00	0.70	0.14	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.28	0.06	0.00	1.54	0.12	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	8.56	0.04	0.00	0.50	0.09	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	11.82	0.02	0.00	0.18	0.08	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	3.20	0.00	0.00	0.12	0.06	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	1.12	0.00	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.58	0.00	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00	
21	0.00	2.62	0.38	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	
22	0.00	2.35	0.50	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	
23	0.00	1.12	0.26	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.26	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.12	0.16	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.06	0.09	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.02	0.08	0.00	0.00	4.28	0.05	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.01	0.06	0.00	0.00	5.12	0.09	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.08	0.00	0.00	3.80	0.06	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.08	0.00	0.00	31.80	0.05	0.00	0.00	0.00		0.00	
31		0.00		0.10	0.10		0.02		0.10	0.10		0.10	
TOTAL	0.00	6.56	27.60	1.36	0.10	48.49	17.86	0.04	0.10	0.10	0.00	0.10	102.31 CMSDAY
MEAN	0.00	0.21	0.92	0.04	0.00	1.62	0.58	0.00	0.00	0.00	0.00	0.00	0.28 CMS
MAX	0.00	2.62	11.82	0.22	0.10	31.80	4.64	0.02	0.10	0.10	0.00	0.10	31.80 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.567	2.385	0.118	0.009	4.190	1.543	0.003	0.009	0.009	0.000	0.009	8.840 MCM

MOMENTARY PEAK CMS, AT M (A.D), AT HOURS, ON

RUNOFF YIELD 0.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

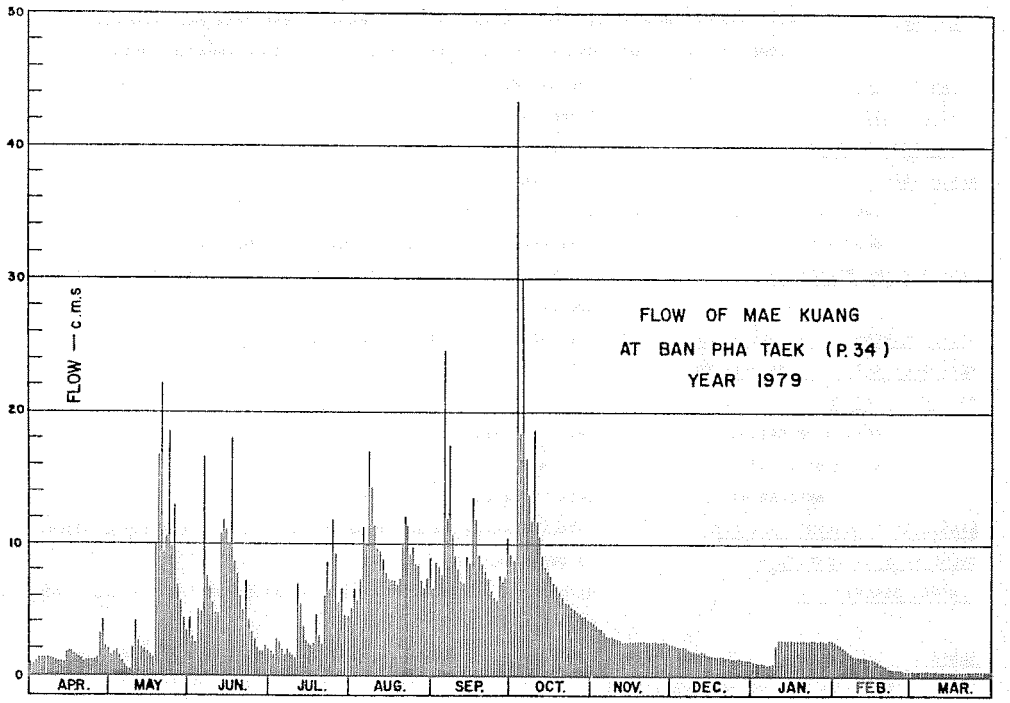
MAE KUANG RIVER AT BAN PHA TAEK, CHIANG MAI (P.34)

LOCATION	LAT. 18°56'22" N., LONG. 99°07'25" E., ON LEFT BANK AT BAN PHA TAEK, AMPHOE DOI SAKET, CHIANG MAI.
DRAINAGE AREA	566 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+339.350 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+344.446 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 110 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	340.04	340.13	340.24	340.12	340.28	340.36	340.41	340.24	340.16	340.05	340.17	339.98	
2	340.03	340.10	340.18	340.12	340.30	340.33	340.38	340.24	340.16	340.05	340.16	339.98	
3	340.03	340.12	340.17	340.10	340.33	340.39	341.03	340.23	340.15	340.04	340.15	339.98	
4	340.08	340.13	340.28	340.19	340.30	340.38	340.61	340.23	340.15	340.04	340.14	339.98	
5	340.08	340.09	340.27	340.16	340.35	340.36	340.83	340.22	340.15	340.04	340.13	339.98	
6	340.08	340.06	340.58	340.14	340.47	340.74	340.66	340.20	340.15	340.03	340.12	339.98	
7	340.08	340.04	340.37	340.10	340.43	340.49	340.58	340.20	340.13	340.03	340.11	339.98	
8	340.08	340.01	340.35	340.13	340.59	340.60	340.51	340.20	340.13	340.03	340.10	339.98	
9	340.08	339.98	340.31	340.12	340.56	340.44	340.48	340.20	340.13	340.11	340.10	339.98	
10	340.07	340.11	340.29	340.10	340.48	340.40	340.62	340.19	340.12	340.18	340.10	339.98	
11	340.06	340.25	340.25	340.08	340.43	340.38	340.49	340.19	340.12	340.18	340.09	339.98	
12	340.05	340.19	340.37	340.34	340.41	340.35	340.44	340.18	340.12	340.18	340.09	339.98	
13	340.05	340.15	340.48	340.31	340.41	340.34	340.41	340.18	340.12	340.18	340.09	339.98	
14	340.05	340.14	340.48	340.24	340.38	340.40	340.38	340.18	340.11	340.18	340.08	339.98	
15	340.13	340.12	340.45	340.20	340.36	340.40	340.37	340.18	340.11	340.18	340.07	339.98	
16	340.13	340.12	340.43	340.16	340.35	340.38	340.36	340.18	340.10	340.18	340.06	339.98	
17	340.12	340.10	340.61	340.15	340.35	340.52	340.35	340.18	340.10	340.18	340.05	339.98	
18	340.10	340.09	340.39	340.17	340.35	340.46	340.34	340.18	340.10	340.18	340.04	339.98	
19	340.10	340.32	340.33	340.27	340.34	340.41	340.33	340.18	340.10	340.18	340.03	339.98	
20	340.09	340.58	340.30	340.21	340.35	340.39	340.32	340.18	340.10	340.18	340.02	339.98	
21	340.05	340.69	340.28	340.16	340.44	340.38	340.31	340.18	340.10	340.18	340.01	339.98	
22	340.07	340.41	340.35	340.30	340.49	340.36	340.30	340.18	340.09	340.18	340.00	339.98	
23	340.07	340.45	340.27	340.39	340.45	340.35	340.30	340.18	340.09	340.18	340.00	339.98	
24	340.07	340.62	340.23	340.36	340.41	340.32	340.29	340.18	340.08	340.18	340.00	339.98	
25	340.07	340.42	340.20	340.32	340.42	340.31	340.28	340.18	340.08	340.18	340.00	339.98	
26	340.07	340.51	340.16	340.48	340.38	340.31	340.28	340.18	340.08	340.18	339.98	339.98	
27	340.09	340.35	340.13	340.34	340.38	340.36	340.27	340.18	340.08	340.18	339.98	339.98	
28	340.25	340.32	340.12	340.30	340.35	340.35	340.27	340.18	340.07	340.18	339.98	339.98	
29	340.20	340.26	340.15	340.33	340.33	340.36	340.26	340.18	340.07	340.18	339.98	339.98	
30	340.14	340.24	340.14	340.27	340.35	340.44	340.26	340.17	340.07	340.18		339.98	
31		340.21		340.25	340.40		340.25		340.06	340.18		339.98	
MEAN	340.09	340.24	340.30	340.22	340.39	340.40	340.42	340.19	340.11	340.14	340.06	339.98	
MAX	340.25	340.69	340.61	340.48	340.59	340.74	341.03	340.24	340.16	340.18	340.17	339.98	341.03
MIN	340.03	339.98	340.12	340.08	340.28	340.31	340.25	340.17	340.06	340.03	339.98	339.98	339.98

ANNUAL MAX MOMENTARY GAGE HEIGHT 341.13 M (MSL), AT 15.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 339.35 M (MSL), RIVER BED 339.20 M (MSL)
LEFT BANK ELEVATION 342.98 M (MSL)
RIGHT BANK ELEVATION 344.28 M (MSL), DRAINAGE AREA 566 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.90	1.95	4.00	1.80	5.00	7.60	9.35	4.00	2.40	1.00	2.55	0.40	
2	0.80	1.50	2.70	1.80	5.50	6.55	8.30	4.00	2.40	1.00	2.40	0.40	
3	0.80	1.80	2.55	1.50	6.55	8.65	43.40	3.75	2.25	0.90	2.25	0.40	
4	1.30	1.95	5.00	2.85	5.50	8.30	18.00	3.75	2.25	0.90	2.10	0.40	
5	1.30	1.40	4.75	2.40	7.25	7.60	29.95	3.50	2.25	0.90	1.95	0.40	
6	1.30	1.10	16.50	2.10	11.45	24.70	20.50	3.00	2.25	0.80	1.80	0.40	
7	1.30	0.90	7.95	1.50	10.05	12.15	16.50	3.00	1.95	0.80	1.65	0.40	
8	1.30	0.60	7.25	1.95	17.00	17.50	13.00	3.00	1.95	0.80	1.50	0.40	
9	1.30	0.40	5.85	1.80	15.50	10.40	11.80	3.00	1.95	1.65	1.50	0.40	
10	1.20	1.65	5.25	1.50	11.80	9.00	18.50	2.85	1.80	2.70	1.50	0.40	
11	1.10	4.25	4.25	1.30	10.05	8.30	12.15	2.85	1.80	2.70	1.40	0.40	
12	1.00	2.85	7.95	6.90	9.35	7.25	10.40	2.70	1.80	2.70	1.40	0.40	
13	1.00	2.25	11.80	5.85	9.35	6.90	9.35	2.70	1.80	2.70	1.40	0.40	
14	1.00	2.10	11.80	4.00	8.30	9.00	8.30	2.70	1.65	2.70	1.30	0.40	
15	1.95	1.80	10.75	3.00	7.60	9.00	7.95	2.70	1.65	2.70	1.20	0.40	
16	1.95	1.80	10.05	2.40	7.25	8.30	7.60	2.70	1.50	2.70	1.10	0.40	
17	1.80	1.50	18.00	2.25	7.25	13.50	7.25	2.70	1.50	2.70	1.00	0.40	
18	1.50	1.40	8.65	2.55	7.25	11.10	6.90	2.70	1.50	2.70	0.90	0.40	
19	1.50	6.20	6.55	4.75	6.90	9.35	6.55	2.70	1.50	2.70	0.80	0.40	
20	1.40	16.50	5.50	3.25	7.25	8.65	6.20	2.70	1.50	2.70	0.70	0.40	
21	1.00	22.00	5.00	2.40	10.40	8.30	5.85	2.70	1.50	2.70	0.60	0.40	
22	1.20	9.35	7.25	5.50	12.15	7.60	5.50	2.70	1.40	2.70	0.50	0.40	
23	1.20	10.75	4.75	8.65	10.75	7.25	5.50	2.70	1.40	2.70	0.50	0.40	
24	1.20	18.50	3.75	7.60	9.35	6.20	5.25	2.70	1.30	2.70	0.50	0.40	
25	1.20	9.70	3.00	6.20	9.70	5.85	5.00	2.70	1.30	2.70	0.50	0.40	
26	1.20	13.00	2.40	11.80	8.30	5.85	5.00	2.70	1.30	2.70	0.40	0.40	
27	1.40	7.25	1.95	6.90	8.30	7.60	4.75	2.70	1.30	2.70	0.40	0.40	
28	4.25	6.20	1.80	5.50	7.25	7.25	4.75	2.70	1.20	2.70	0.40	0.40	
29	3.00	4.50	2.25	6.55	6.55	7.60	4.50	2.70	1.20	2.70	0.40	0.40	
30	2.10	4.00	2.10	4.75	7.25	10.40	4.50	2.55	1.20	2.70		0.40	
31		3.25		4.25	9.00		4.25		1.10	2.70		0.40	
TOTAL	43.45	162.40	191.35	125.55	275.15	277.70	326.80	87.85	51.85	68.15	34.60	12.40	1657.25 CMSDAY
MEAN	1.45	5.24	6.38	4.05	8.88	9.26	10.54	2.93	1.67	2.20	1.19	0.40	4.53 CMS
MAX	4.25	22.00	18.00	11.80	17.00	24.70	43.40	4.00	2.40	2.70	2.55	0.40	43.40 CMS
MIN	0.80	0.40	1.80	1.30	5.00	5.85	4.25	2.55	1.10	0.80	0.40	0.40	0.40 CMS
RUNOFF	3.754	14.031	16.533	10.848	23.773	23.993	28.235	7.590	4.480	5.888	2.989	1.071	143.186 MCM

MOMENTARY PEAK 51.55 CMS, AT 341.13 M (MSL), AT 15.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 8.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 91.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION — LAT. 16°-04'-22" N., LONG. 99°-24'-18" E., ON RIGHT BANK AT BAN PANG WAI ABOUT 1.5 KILOMETERS FROM KHAO SONG PHI NONG, AMPHOE KHLONG KHLUNG, KAMPHAENG PHET.

DRAINAGE AREA — 730 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF P.35 STATION OFFICE.

ELEVATION — B.M.1=+4.502 M. (A.D.); B.M.2=4.472 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1974 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1974 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 103 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT DURING APR 1-30,1979 AND ESTIMATED GAGE HEIGHT FOR NO FLOW DURING MAR 1-31,1980.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

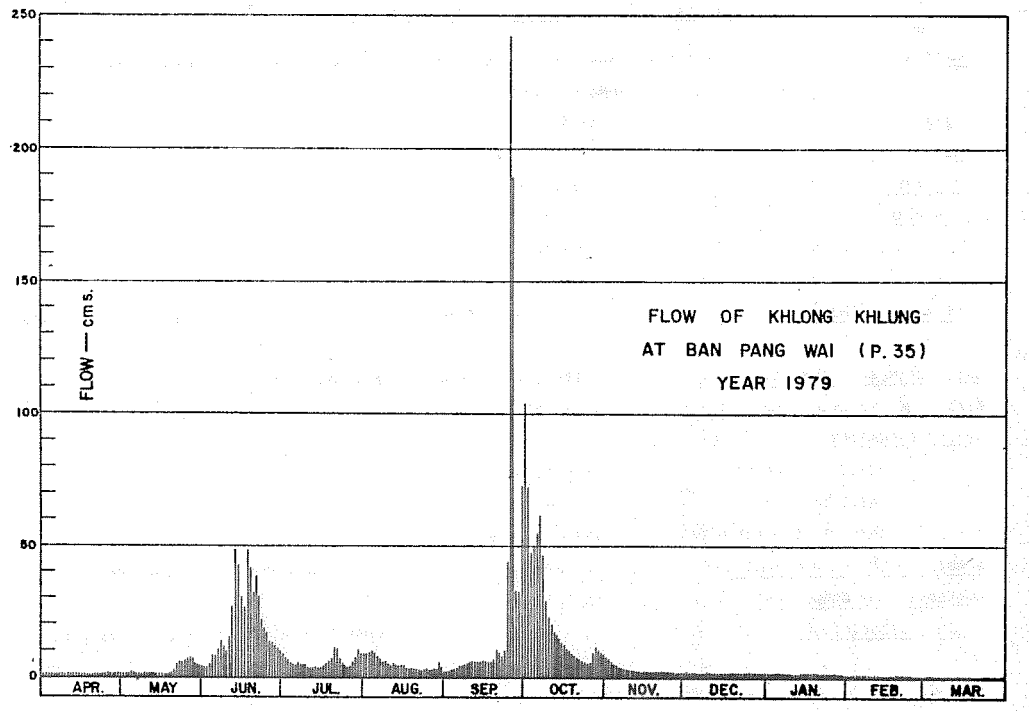
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.20	0.21	0.60	0.95	1.01	0.44	3.42	0.89	0.39	0.29	0.18	0.00	
2	0.20	0.31	0.57	0.88	1.01	0.42	2.91	0.80	0.38	0.30	0.17	0.00	
3	0.20	0.31	0.56	0.82	1.02	0.46	2.48	0.74	0.38	0.28	0.18	0.00	
4	0.20	0.29	0.78	0.74	1.04	0.51	2.27	0.69	0.38	0.28	0.17	0.00	
5	0.19	0.27	0.93	0.71	1.02	0.57	2.36	0.64	0.37	0.27	0.17	0.00	
6	0.19	0.25	0.92	0.68	0.95	0.63	2.47	0.60	0.39	0.26	0.17	0.00	
7	0.19	0.23	1.09	0.72	0.84	0.67	2.63	0.58	0.38	0.26	0.17	0.00	
8	0.19	0.21	1.22	0.70	0.80	0.76	2.23	0.56	0.36	0.26	0.18	0.00	
9	0.19	0.20	1.13	0.68	0.79	0.83	1.90	0.54	0.36	0.25	0.18	0.00	
10	0.18	0.22	1.01	0.63	0.77	0.85	1.66	0.48	0.36	0.24	0.17	0.00	
11	0.18	0.23	1.38	0.57	0.76	0.82	1.54	0.45	0.35	0.23	0.17	0.00	
12	0.18	0.23	1.63	0.58	0.72	0.79	1.43	0.45	0.35	0.23	0.17	0.00	
13	0.17	0.23	2.32	0.68	0.67	0.83	1.38	0.44	0.35	0.25	0.17	0.00	
14	0.17	0.24	2.25	0.58	0.64	0.81	1.29	0.44	0.35	0.24	0.17	0.00	
15	0.17	0.23	2.04	0.57	0.63	0.85	1.22	0.45	0.34	0.24	0.17	0.00	
16	0.16	0.22	1.77	0.60	0.62	0.82	1.17	0.45	0.34	0.23	0.17	0.00	
17	0.16	0.23	1.71	0.71	0.59	0.82	1.12	0.43	0.33	0.22	0.16	0.00	
18	0.17	0.23	2.29	0.78	0.58	0.80	1.08	0.42	0.32	0.23	0.16	0.00	
19	0.17	0.22	2.11	0.83	0.56	0.86	1.00	0.42	0.31	0.24	0.19	0.00	
20	0.18	0.28	1.89	1.07	0.54	0.92	0.94	0.40	0.31	0.25	0.19	0.00	
21	0.18	0.59	2.06	1.08	0.51	1.06	0.91	0.41	0.33	0.23	0.19	0.00	
22	0.19	0.76	1.87	0.95	0.49	0.98	0.87	0.42	0.31	0.21	0.18	0.00	
23	0.19	0.76	1.59	0.79	0.47	0.91	0.82	0.42	0.31	0.23	0.17	0.00	
24	0.20	0.82	1.45	0.72	0.50	1.32	0.77	0.40	0.31	0.21	0.17	0.00	
25	0.20	0.84	1.38	0.62	0.51	2.13	0.72	0.42	0.31	0.22	0.16	0.00	
26	0.20	0.84	1.23	0.58	0.47	5.16	0.70	0.41	0.30	0.20	0.16	0.00	
27	0.21	0.90	1.21	0.64	0.51	3.62	0.99	0.41	0.29	0.20	0.16	0.00	
28	0.21	0.88	1.16	0.87	0.52	1.94	1.13	0.41	0.29	0.18	0.16	0.00	
29	0.21	0.77	1.07	0.92	0.49	1.89	1.09	0.40	0.29	0.18	0.16	0.00	
30	0.21	0.66	1.02	1.07	0.80	2.39	1.04	0.40	0.29	0.17		0.00	
31		0.64		1.00	0.49		0.97		0.28	0.17		0.00	
MEAN	0.19	0.43	1.41	0.77	0.69	1.20	1.50	0.50	0.34	0.23	0.17	0.00	
MAX	0.21	0.90	2.32	1.08	1.04	5.16	3.42	0.89	0.39	0.30	0.19	0.00	5.16
MIN	0.16	0.20	0.56	0.57	0.47	0.42	0.70	0.40	0.28	0.17	0.16	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.00 M (A.D.), AT 24.00 HOURS, ON SEP 26, 1979

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

LEFT BANK ELEVATION M (A.D.)

RIGHT BANK ELEVATION M (A.D.), DRAINAGE AREA 730 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	1.05	4.00	8.25	9.20	2.40	103.20	7.35	1.95	1.45	0.90	0.00	
2	1.00	1.55	3.70	7.20	9.20	2.20	75.50	6.00	1.90	1.50	0.85	0.00	
3	1.00	1.55	3.60	6.30	9.40	2.60	55.20	5.40	1.90	1.40	0.90	0.00	
4	1.00	1.45	5.80	5.40	9.80	3.10	46.80	4.90	1.90	1.40	0.85	0.00	
5	0.95	1.35	7.95	5.10	9.40	3.70	50.40	4.40	1.85	1.35	0.85	0.00	
6	0.95	1.25	7.80	4.80	8.25	4.30	54.80	4.00	1.95	1.30	0.85	0.00	
7	0.95	1.15	10.80	5.20	6.60	4.70	61.50	3.80	1.90	1.30	0.85	0.00	
8	0.95	1.05	13.40	5.00	6.00	5.60	45.20	3.60	1.80	1.30	0.90	0.00	
9	0.95	1.00	11.60	4.80	5.90	6.45	32.00	3.40	1.80	1.25	0.90	0.00	
10	0.90	1.10	9.20	4.30	5.70	6.75	24.80	2.80	1.80	1.20	0.85	0.00	
11	0.90	1.15	16.60	3.70	5.60	6.30	21.20	2.50	1.75	1.15	0.85	0.00	
12	0.90	1.15	23.90	3.80	5.20	5.90	17.90	2.50	1.75	1.15	0.85	0.00	
13	0.85	1.15	48.80	4.80	4.70	6.45	16.60	2.40	1.75	1.25	0.85	0.00	
14	0.85	1.20	46.00	3.80	4.40	6.15	14.80	2.40	1.75	1.20	0.85	0.00	
15	0.85	1.15	37.60	3.70	4.30	6.75	13.40	2.50	1.70	1.20	0.85	0.00	
16	0.80	1.10	28.10	4.00	4.20	6.30	12.40	2.50	1.70	1.15	0.85	0.00	
17	0.80	1.15	26.30	5.10	3.90	6.30	11.40	2.30	1.65	1.10	0.80	0.00	
18	0.85	1.15	47.60	5.80	3.80	6.00	10.60	2.20	1.60	1.15	0.80	0.00	
19	0.85	1.10	40.40	6.45	3.60	6.90	9.00	2.20	1.55	1.20	0.95	0.00	
20	0.90	1.40	31.70	10.40	3.40	7.80	8.10	2.00	1.55	1.25	0.95	0.00	
21	0.90	3.90	38.40	10.60	3.10	10.20	7.65	2.10	1.65	1.15	0.95	0.00	
22	0.95	5.60	31.10	8.25	2.90	8.70	7.05	2.20	1.55	1.05	0.90	0.00	
23	0.95	5.60	22.70	5.90	2.70	7.65	6.30	2.20	1.55	1.15	0.85	0.00	
24	1.00	6.30	18.50	5.20	3.00	15.40	5.70	2.00	1.55	1.05	0.85	0.00	
25	1.00	6.60	16.60	4.20	3.10	41.20	5.20	2.20	1.55	1.10	0.80	0.00	
26	1.00	6.60	13.60	3.80	2.70	241.00	5.00	2.10	1.50	1.00	0.80	0.00	
27	1.05	7.50	13.20	4.40	3.10	116.40	8.85	2.10	1.45	1.00	0.80	0.00	
28	1.05	7.20	12.20	7.05	3.20	33.60	11.60	2.10	1.45	0.90	0.80	0.00	
29	1.05	5.70	10.40	7.80	2.90	31.70	10.80	2.00	1.45	0.90	0.80	0.00	
30	1.05	4.60	9.40	10.40	6.00	51.60	9.80	2.00	1.45	0.85		0.00	
31		4.40		9.00	2.90		8.55		1.40	0.85		0.00	
TOTAL	28.20	88.20	610.95	184.50	158.15	664.10	771.30	90.15	52.05	36.25	24.85	0.00	2708.70 CMSDAY
MEAN	0.94	2.85	20.36	5.95	5.10	22.14	24.88	3.00	1.68	1.17	0.86	0.00	7.40 CMS
MAX	1.05	7.50	48.80	10.60	9.80	241.00	103.20	7.35	1.95	1.50	0.95	0.00	241.00 CMS
MIN	0.80	1.00	3.60	3.70	2.70	2.20	5.00	2.00	1.40	0.85	0.80	0.00	0.00 CMS
RUNOFF	2.436	7.620	52.786	15.941	13.664	57.378	66.640	7.789	4.497	3.132	2.147	0.000	234.031 MCM

MOMENTARY PEAK 330.00 CMS, AT 6.00 M (A.D), AT 24.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 10.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 452.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

NAM MAE LAI AT BAN HUAI KAEO, CHIANG MAI (P.36)

LOCATION — LAT. 18°51'26" N., LONG. 99°17'12" E., ON RIGHT BANK AT BAN HUAI KAEO, TAMBON HUAI KAEO, AMPHOE SAN KAMPHAENG, CHIANG MAI.

DRAINAGE AREA — 35 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +558.80 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE OBSERVER'S HOUSE.

ELEVATION — +565.610 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 — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 156 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — DISCHARGE INCLUDED FLOW OF LAM MUANG.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

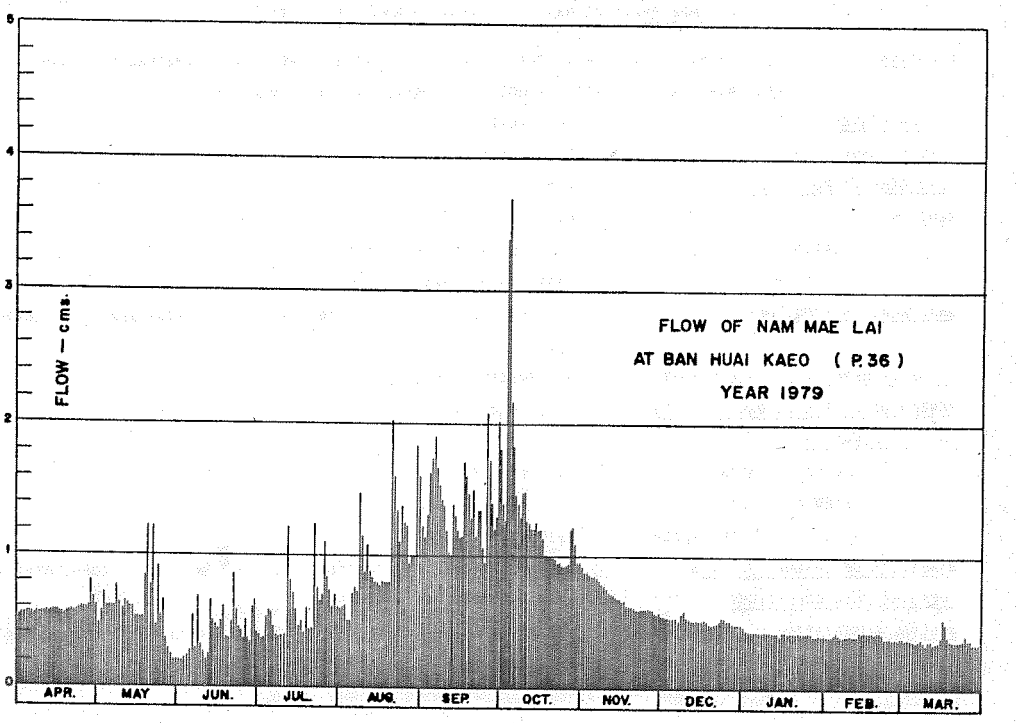
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	559.29	559.23	559.30	559.26	559.35	559.48	559.49	559.40	559.33	559.30	559.26	559.25	
2	559.28	559.27	559.29	559.28	559.36	559.45	559.46	559.39	559.33	559.29	559.26	559.25	
3	559.28	559.33	559.30	559.35	559.33	559.48	559.70	559.39	559.33	559.29	559.27	559.25	
4	559.29	559.29	559.31	559.37	559.32	559.53	559.72	559.38	559.33	559.29	559.29	559.24	
5	559.28	559.28	559.32	559.35	559.36	559.54	559.56	559.38	559.33	559.29	559.28	559.24	
6	559.28	559.28	559.41	559.31	559.39	559.56	559.49	559.38	559.33	559.28	559.26	559.24	
7	559.29	559.28	559.33	559.29	559.36	559.53	559.49	559.37	559.32	559.28	559.26	559.25	
8	559.28	559.32	559.44	559.29	559.51	559.51	559.46	559.36	559.34	559.28	559.26	559.28	
9	559.28	559.28	559.34	559.29	559.45	559.49	559.49	559.36	559.35	559.28	559.26	559.28	
10	559.28	559.27	559.32	559.29	559.40	559.45	559.49	559.35	559.33	559.28	559.27	559.28	
11	559.28	559.29	559.30	559.32	559.44	559.41	559.45	559.34	559.33	559.28	559.27	559.28	
12	559.28	559.28	559.32	559.48	559.40	559.42	559.45	559.34	559.32	559.28	559.27	559.26	
13	559.28	559.26	559.43	559.39	559.39	559.48	559.44	559.33	559.32	559.28	559.27	559.25	
14	559.29	559.28	559.40	559.39	559.38	559.45	559.45	559.32	559.32	559.28	559.27	559.25	
15	559.29	559.27	559.34	559.34	559.38	559.44	559.44	559.32	559.32	559.28	559.27	559.27	
16	559.29	559.27	559.36	559.32	559.37	559.44	559.43	559.31	559.32	559.28	559.27	559.32	
17	559.29	559.27	559.38	559.33	559.38	559.52	559.42	559.31	559.32	559.28	559.27	559.27	
18	559.29	559.27	559.31	559.30	559.38	559.49	559.40	559.30	559.31	559.28	559.27	559.26	
19	559.29	559.35	559.28	559.35	559.38	559.54	559.40	559.30	559.31	559.28	559.26	559.25	
20	559.27	559.53	559.33	559.29	559.40	559.50	559.40	559.31	559.31	559.28	559.26	559.25	
21	559.28	559.47	559.42	559.30	559.57	559.43	559.41	559.35	559.31	559.28	559.26	559.25	
22	559.26	559.53	559.36	559.49	559.49	559.47	559.40	559.35	559.32	559.28	559.26	559.25	
23	559.28	559.39	559.31	559.41	559.44	559.47	559.40	559.35	559.33	559.28	559.25	559.25	
24	559.28	559.48	559.30	559.38	559.49	559.41	559.39	559.35	559.33	559.28	559.25	559.26	
25	559.28	559.41	559.27	559.39	559.47	559.39	559.39	559.35	559.32	559.28	559.25	559.25	
26	559.27	559.43	559.33	559.45	559.47	559.57	559.40	559.35	559.32	559.28	559.25	559.25	
27	559.27	559.35	559.27	559.39	559.41	559.48	559.45	559.35	559.31	559.27	559.25	559.24	
28	559.34	559.32	559.36	559.35	559.42	559.44	559.46	559.34	559.31	559.26	559.25	559.24	
29	559.30	559.31	559.40	559.34	559.43	559.46	559.43	559.34	559.31	559.26	559.25	559.24	
30	559.29	559.30	559.27	559.39	559.56	559.56	559.41	559.34	559.31	559.26		559.24	
31		559.30		559.35	559.54		559.41		559.31	559.26		559.24	
MEAN	559.28	559.33	559.34	559.35	559.42	559.48	559.46	559.35	559.32	559.28	559.26	559.25	
MAX	559.34	559.53	559.44	559.49	559.57	559.57	559.72	559.40	559.35	559.30	559.29	559.32	559.72
MIN	559.26	559.23	559.27	559.26	559.32	559.39	559.39	559.30	559.31	559.26	559.25	559.24	559.23

ANNUAL MAX. MOMENTARY GAGE HEIGHT 559.90 M. (MSL), AT 15.00 HOURS, ON AUG 30, 1979

ZERO GAGE AT BOTTOM ELEVATION 558.80 M. (MSL), RIVER BED 559.18 M. (MSL)

LEFT BANK ELEVATION 564.04 M. (MSL)

RIGHT BANK ELEVATION 565.28 M. (MSL), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.46	0.20	0.39	0.59	1.24	1.44	0.89	0.53	0.45	0.39	0.38	
2	0.54	0.55	0.18	0.37	0.63	1.14	1.28	0.86	0.53	0.43	0.39	0.38	
3	0.54	0.71	0.20	0.52	0.51	1.31	3.38	0.86	0.53	0.43	0.40	0.38	
4	0.55	0.60	0.23	0.60	0.50	1.64	3.69	0.83	0.53	0.43	0.43	0.36	
5	0.55	0.59	0.26	0.56	0.71	1.74	2.04	0.83	0.53	0.43	0.42	0.36	
6	0.54	0.59	0.53	0.45	0.79	1.90	1.47	0.83	0.53	0.42	0.39	0.36	
7	0.55	0.59	0.28	0.40	0.73	1.66	1.40	0.81	0.51	0.42	0.39	0.38	
8	0.54	0.75	0.68	0.39	1.49	1.52	1.30	0.77	0.56	0.42	0.39	0.36	
9	0.55	0.62	0.31	0.39	1.15	1.38	1.48	0.77	0.58	0.42	0.39	0.33	
10	0.55	0.58	0.26	0.39	0.86	1.19	1.48	0.74	0.53	0.42	0.40	0.36	
11	0.55	0.64	0.20	0.48	1.08	1.04	1.23	0.71	0.52	0.42	0.40	0.37	
12	0.55	0.63	0.26	1.22	0.86	1.00	1.23	0.71	0.51	0.42	0.40	0.34	
13	0.55	0.60	0.63	0.82	0.83	1.37	1.19	0.69	0.51	0.42	0.41	0.35	
14	0.56	0.60	0.48	0.70	0.80	1.20	1.25	0.68	0.51	0.42	0.43	0.35	
15	0.56	0.52	0.44	0.52	0.79	1.14	1.20	0.67	0.51	0.42	0.43	0.39	
16	0.56	0.52	0.48	0.46	0.77	1.15	1.17	0.65	0.51	0.42	0.43	0.52	
17	0.54	0.52	0.60	0.49	0.80	1.70	1.12	0.65	0.51	0.42	0.43	0.40	
18	0.54	0.52	0.38	0.41	0.80	1.47	1.00	0.62	0.48	0.42	0.43	0.37	
19	0.55	0.84	0.37	0.59	0.80	1.29	1.00	0.61	0.48	0.42	0.42	0.35	
20	0.56	1.21	0.50	0.43	0.88	1.50	1.00	0.61	0.48	0.42	0.42	0.35	
21	0.57	0.83	0.83	0.45	2.00	1.15	0.98	0.59	0.48	0.42	0.42	0.35	
22	0.55	1.21	0.60	1.24	1.36	1.35	0.94	0.59	0.51	0.42	0.42	0.35	
23	0.58	0.45	0.45	0.77	1.09	1.34	0.94	0.59	0.53	0.42	0.38	0.35	
24	0.58	0.88	0.42	0.65	1.36	1.04	0.91	0.59	0.53	0.42	0.38	0.40	
25	0.59	0.53	0.37	0.70	1.25	0.95	0.91	0.59	0.51	0.42	0.38	0.37	
26	0.58	0.63	0.49	1.10	1.25	2.08	0.94	0.59	0.51	0.42	0.38	0.37	
27	0.60	0.34	0.34	0.79	0.94	1.39	1.20	0.59	0.48	0.40	0.38	0.34	
28	0.78	0.26	0.58	0.67	0.99	1.19	1.21	0.56	0.48	0.39	0.38	0.34	
29	0.66	0.23	0.68	0.61	0.99	1.30	1.08	0.56	0.48	0.39	0.38	0.34	
30	0.61	0.20	0.41	0.71	1.83	2.01	0.94	0.56	0.48	0.39		0.34	
31		0.20		0.59	1.60		0.94		0.48	0.39		0.34	
TOTAL	17.05	18.40	12.64	18.86	31.03	41.38	41.34	20.60	15.85	12.95	11.69	11.33	253.12 CMSDAY
MEAN	0.57	0.59	0.42	0.61	1.00	1.38	1.33	0.69	0.51	0.42	0.40	0.37	0.69 CMS
MAX	0.78	1.21	0.83	1.24	2.00	2.08	3.69	0.89	0.58	0.45	0.43	0.52	3.69 CMS
MIN	0.52	0.20	0.18	0.37	0.50	0.95	0.91	0.56	0.48	0.39	0.38	0.33	0.18 CMS
RUNOFF	1.473	1.590	1.092	1.630	2.681	3.575	3.572	1.780	1.369	1.119	1.010	0.979	21.870 MCM

MOMENTARY PEAK 6.25 CMS, AT 599.90 M (MSL), AT 15.00 HOURS, ON AUG 30, 1979

RUNOFF YIELD 19.76 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 178.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

HUAI MAE PHAEM AT BAN HUAI KAEO, CHIANG MAI (P.37)

LOCATION — LAT. 18°-50'-48" N., LONG. 99°-16'-22" E., ON RIGHT BANK ABOUT 2 KILOMETERS FROM NAM MAE LAI, BAN HUAI KAEO, AMPHOE SAN KAMPHAENG, CHIANG MAI.

DRAINAGE AREA — 14 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +527.23 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 8 METERS FROM STAFF GAGE.

ELEVATION — +531.056 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 — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

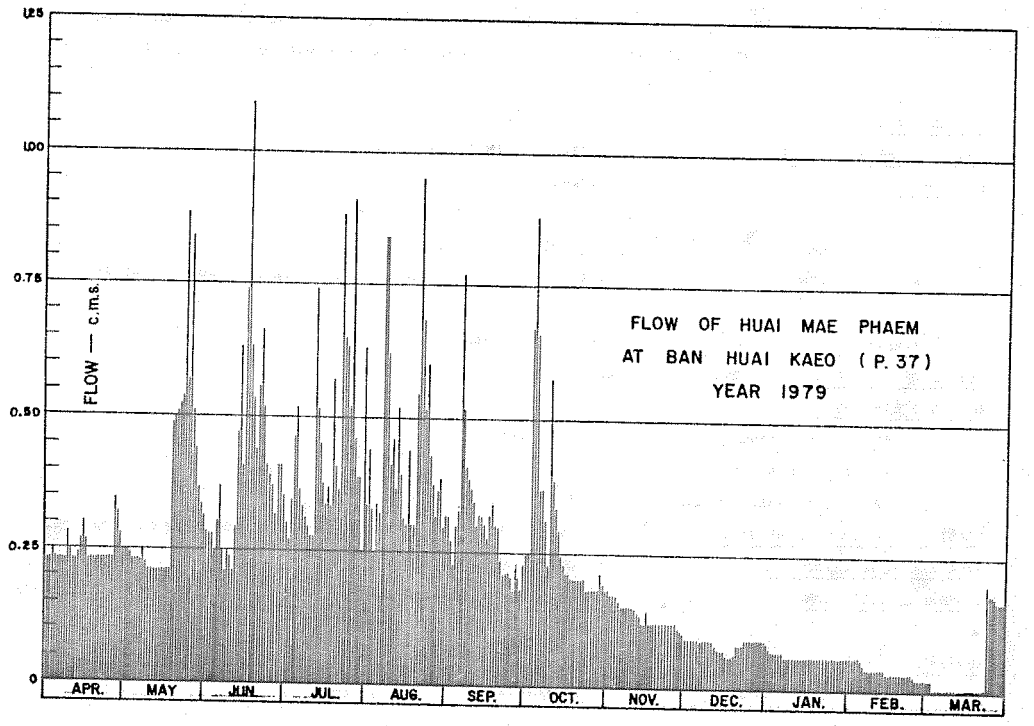
GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 54 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING MAR 4-23,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	527.70	527.71	527.73	527.74	527.75	527.74	527.71	527.67	527.61	527.60	527.57	527.52	
2	527.70	527.71	527.72	527.73	527.79	527.73	527.71	527.66	527.61	527.59	527.57	527.52	
3	527.70	527.71	527.72	527.71	527.74	527.70	527.85	527.66	527.61	527.59	527.57	527.52	
4	527.71	527.70	527.72	527.78	527.71	527.73	527.94	527.66	527.61	527.59	527.57	527.50	
5	527.70	527.70	527.71	527.82	527.75	527.74	527.87	527.66	527.61	527.59	527.57	527.50	
6	527.70	527.70	527.76	527.77	527.74	527.91	527.76	527.65	527.61	527.59	527.56	527.50	
7	527.70	527.70	527.71	527.75	527.93	527.81	527.76	527.65	527.61	527.58	527.55	527.50	
8	527.70	527.71	527.69	527.74	527.93	527.78	527.75	527.65	527.61	527.58	527.55	527.50	
9	527.70	527.70	527.71	527.73	527.84	527.77	527.70	527.65	527.61	527.58	527.55	527.50	
10	527.72	527.69	527.70	527.72	527.78	527.76	527.84	527.65	527.61	527.58	527.55	527.50	
11	527.70	527.69	527.69	527.72	527.80	527.75	527.77	527.65	527.61	527.58	527.55	527.50	
12	527.70	527.69	527.74	527.90	527.76	527.73	527.75	527.64	527.60	527.58	527.55	527.50	
13	527.70	527.69	527.81	527.83	527.82	527.74	527.73	527.64	527.59	527.58	527.55	527.50	
14	527.71	527.69	527.86	527.80	527.77	527.74	527.71	527.63	527.59	527.58	527.55	527.50	
15	527.72	527.69	527.78	527.78	527.74	527.73	527.70	527.63	527.59	527.58	527.54	527.50	
16	527.73	527.69	527.92	527.75	527.73	527.72	527.69	527.64	527.58	527.58	527.54	527.50	
17	527.70	527.69	528.00	527.76	527.79	527.74	527.69	527.63	527.58	527.58	527.54	527.50	
18	527.70	527.69	527.86	527.75	527.73	527.75	527.68	527.63	527.58	527.58	527.54	527.50	
19	527.70	527.81	527.81	527.84	527.73	527.73	527.68	527.63	527.58	527.58	527.54	527.50	
20	527.70	527.95	527.79	527.78	527.75	527.73	527.68	527.63	527.60	527.58	527.54	527.50	
21	527.70	527.95	527.84	527.75	527.96	527.70	527.68	527.63	527.60	527.58	527.54	527.50	
22	527.70	527.82	527.87	527.94	527.90	527.68	527.68	527.63	527.60	527.58	527.54	527.50	
23	527.70	527.83	527.82	527.87	527.82	527.69	527.68	527.63	527.61	527.58	527.54	527.50	
24	527.70	527.94	527.78	527.86	527.85	527.69	527.67	527.63	527.61	527.58	527.54	527.68	
25	527.70	527.84	527.77	527.82	527.79	527.69	527.67	527.63	527.61	527.58	527.54	527.67	
26	527.70	527.93	527.76	527.95	527.78	527.67	527.67	527.63	527.61	527.58	527.53	527.67	
27	527.70	527.82	527.74	527.81	527.74	527.70	527.67	527.63	527.61	527.58	527.52	527.66	
28	527.75	527.79	527.78	527.77	527.76	527.67	527.67	527.62	527.61	527.57	527.52	527.65	
29	527.73	527.76	527.78	527.77	527.77	527.67	527.69	527.62	527.61	527.57	527.52	527.65	
30	527.71	527.75	527.76	527.71	527.73	527.70	527.68	527.61	527.61	527.57		527.65	
31		527.74		527.86	527.74		527.67		527.61	527.57		527.65	
MEAN	527.71	527.76	527.78	527.79	527.79	527.73	527.72	527.64	527.60	527.58	527.55	527.54	
MAX	527.75	527.95	528.00	527.95	527.96	527.91	527.94	527.67	527.61	527.60	527.57	527.68	528.00
MIN	527.70	527.69	527.69	527.71	527.71	527.67	527.67	527.61	527.58	527.57	527.52	527.50	527.50

ANNUAL MAX MOMENTARY GAGE HEIGHT 528.08 M (MSL), AT 9.00 HOURS, ON MAY 20, 1979
ZERO GAGE AT BOTTOM ELEVATION 527.23 M (MSL), RIVER BED 527.29 M (MSL)
LEFT BANK ELEVATION 531.38 M (MSL)
RIGHT BANK ELEVATION 531.67 M (MSL), DRAINAGE AREA 14 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.23	0.25	0.30	0.32	0.34	0.32	0.25	0.18	0.09	0.08	0.06	0.02	
2	0.23	0.25	0.28	0.30	0.44	0.30	0.25	0.17	0.09	0.07	0.06	0.02	
3	0.23	0.25	0.28	0.25	0.32	0.23	0.60	0.17	0.09	0.07	0.06	0.02	
4	0.25	0.23	0.28	0.41	0.25	0.30	0.88	0.17	0.09	0.07	0.06	0.00	
5	0.23	0.23	0.25	0.52	0.34	0.32	0.66	0.17	0.09	0.07	0.06	0.00	
6	0.23	0.23	0.37	0.39	0.32	0.77	0.37	0.15	0.09	0.07	0.05	0.00	
7	0.23	0.23	0.25	0.34	0.84	0.49	0.37	0.15	0.09	0.06	0.04	0.00	
8	0.23	0.25	0.21	0.32	0.84	0.41	0.34	0.15	0.09	0.06	0.04	0.00	
9	0.23	0.23	0.25	0.30	0.57	0.39	0.23	0.15	0.09	0.06	0.04	0.00	
10	0.28	0.21	0.23	0.28	0.41	0.37	0.57	0.15	0.09	0.06	0.04	0.00	
11	0.23	0.21	0.21	0.28	0.46	0.34	0.39	0.15	0.09	0.06	0.04	0.00	
12	0.23	0.21	0.32	0.74	0.37	0.30	0.34	0.14	0.08	0.06	0.04	0.00	
13	0.23	0.21	0.49	0.54	0.52	0.32	0.30	0.14	0.07	0.06	0.04	0.00	
14	0.25	0.21	0.63	0.46	0.39	0.32	0.25	0.12	0.07	0.06	0.04	0.00	
15	0.28	0.21	0.41	0.41	0.32	0.30	0.23	0.12	0.07	0.06	0.03	0.00	
16	0.30	0.21	0.81	0.34	0.30	0.28	0.21	0.14	0.06	0.06	0.03	0.00	
17	0.23	0.21	1.09	0.37	0.44	0.32	0.21	0.12	0.06	0.06	0.03	0.00	
18	0.23	0.21	0.63	0.34	0.30	0.34	0.20	0.12	0.06	0.06	0.03	0.00	
19	0.23	0.49	0.49	0.57	0.30	0.30	0.20	0.12	0.06	0.06	0.03	0.00	
20	0.23	0.91	0.44	0.41	0.34	0.30	0.20	0.12	0.08	0.06	0.03	0.00	
21	0.23	0.91	0.57	0.34	0.95	0.23	0.20	0.12	0.08	0.06	0.03	0.00	
22	0.23	0.82	0.66	0.88	0.74	0.20	0.20	0.12	0.08	0.06	0.03	0.00	
23	0.23	0.54	0.52	0.66	0.52	0.21	0.20	0.12	0.09	0.06	0.03	0.00	
24	0.23	0.88	0.41	0.63	0.60	0.21	0.18	0.12	0.09	0.06	0.03	0.20	
25	0.23	0.57	0.39	0.52	0.44	0.21	0.18	0.12	0.09	0.06	0.03	0.18	
26	0.23	0.84	0.37	0.91	0.41	0.18	0.18	0.12	0.09	0.06	0.02	0.18	
27	0.23	0.52	0.32	0.49	0.32	0.23	0.18	0.12	0.09	0.06	0.02	0.17	
28	0.34	0.44	0.41	0.39	0.37	0.18	0.18	0.11	0.09	0.06	0.02	0.15	
29	0.30	0.37	0.41	0.39	0.39	0.18	0.21	0.11	0.09	0.06	0.02	0.15	
30	0.25	0.34	0.37	0.25	0.30	0.23	0.20	0.09	0.09	0.06		0.15	
31		0.32		0.63	0.32		0.18		0.09	0.06		0.15	
TOTAL	7.31	11.69	12.65	13.98	13.77	9.08	9.14	4.05	2.57	1.93	1.08	1.39	88.64 CMSDAY
MEAN	0.24	0.38	0.42	0.45	0.44	0.30	0.29	0.13	0.08	0.06	0.04	0.04	0.24 CMS
MAX	0.34	0.91	1.09	0.91	0.95	0.77	0.88	0.18	0.09	0.08	0.06	0.20	1.09 CMS
MIN	0.23	0.21	0.21	0.25	0.25	0.18	0.18	0.09	0.06	0.06	0.02	0.00	0.00 CMS
RUNOFF	0.632	1.010	1.093	1.208	1.190	0.785	0.790	0.350	0.222	0.167	0.093	0.120	7.658 MCM

MOMENTARY PEAK 1.42 CMS, AT 528.08 M (MSL), AT 9.00 HOURS, ON MAY 20, 1979
RUNOFF YIELD 17.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 101.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

NAM MAE SAN AT BAN CHAM KHI MOT, LAMPHUN (P.38)

LOCATION — LAT. 18°30'41" N., LONG. 99°08'09" E., ON LEFT BANK ABOUT 50 METERS DOWNSTREAM FROM CENTER LINE DAMSITE AT BAN CHAM KHI MOT, AMPHOE MAE THA, LAMPHUN.

DRAINAGE AREA — 34 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +373.10 M. (M.S.L.)

BENCH MARK — B.M.-D.H.5

LOCATION — AT CENTER LINE DAMSITE.

ELEVATION — 375.392 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 — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

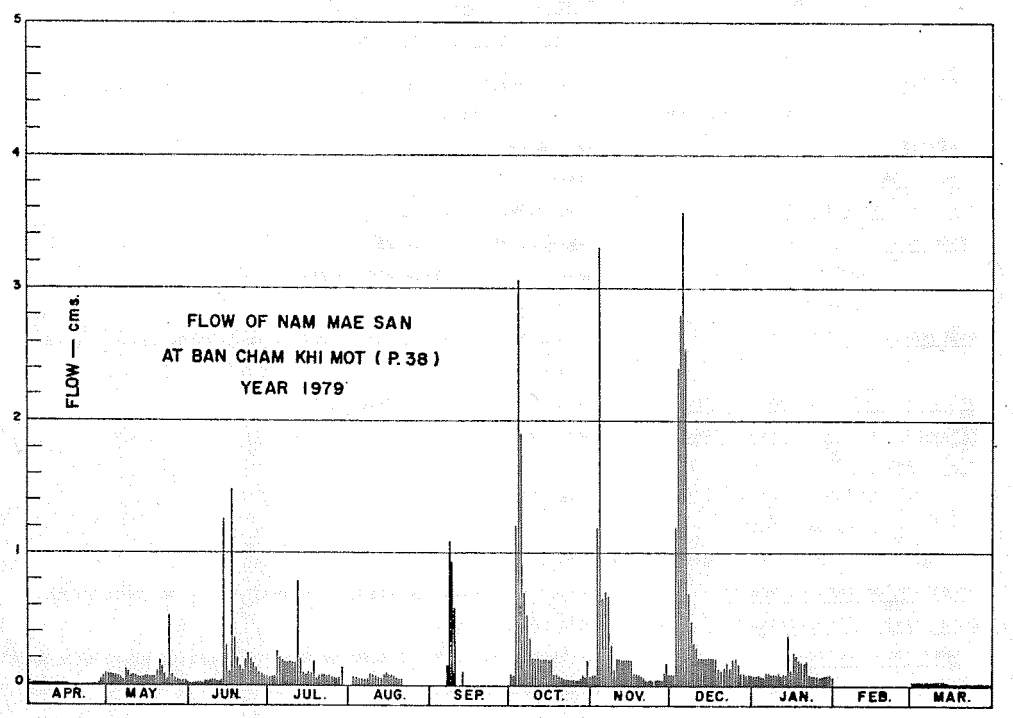
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — NO GAGE HEIGHT RECORDS FOR JUL 30-AUG 1, AUG 22-SEP 6, SEP 11-12, SEP 14-23, SEP 25-30,1979 AND FEB 1-29,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	373.89	374.07	373.86	374.05	******	******	374.09	374.07	374.09	374.04	*******	373.98	
2	373.89	374.06	373.86	374.05	374.03	******	374.07	374.06	374.07	374.05	*******	373.98	
3	373.89	374.06	373.86	374.04	374.03	******	374.83	374.75	374.97	374.06	*******	373.98	
4	373.88	374.05	373.85	374.25	374.03	******	375.14	375.19	375.03	374.05	*******	373.97	
5	373.88	374.03	373.85	374.20	374.02	******	374.63	374.46	375.24	374.04	*******	373.97	
6	373.87	374.01	373.85	374.19	374.02	******	374.48	374.49	375.09	374.12	*******	373.97	
7	373.87	373.99	373.97	374.18	374.02	374.15	374.40	374.47	374.50	374.08	*******	373.97	
8	373.86	374.13	373.97	374.17	374.08	374.64	374.31	374.30	374.47	374.09	*******	373.96	
9	373.85	374.07	374.00	374.18	374.08	374.52	374.21	374.13	374.29	374.07	*******	373.96	
10	373.85	374.06	374.00	374.17	374.05	374.33	374.20	374.21	374.28	374.09	*******	373.96	
11	373.84	374.05	373.97	374.18	374.04	******	374.21	374.21	374.21	374.07	*******	373.96	
12	373.84	374.05	373.97	374.53	374.02	******	374.20	374.20	374.21	374.09	*******	373.96	
13	373.84	374.04	373.97	374.21	374.01	374.11	374.20	374.20	374.20	374.08	*******	373.96	
14	373.83	374.04	374.70	374.08	374.06	******	374.20	374.20	374.20	374.32	*******	373.96	
15	373.83	374.05	374.27	374.07	374.08	******	374.20	374.20	374.21	374.11	*******	373.95	
16	373.82	374.05	374.10	374.11	374.07	******	374.20	374.20	374.21	374.24	*******	373.95	
17	373.81	374.05	374.77	374.09	374.06	******	374.09	374.08	374.21	374.23	*******	373.95	
18	373.80	374.05	374.31	374.19	374.04	******	374.08	374.09	374.19	374.19	*******	373.95	
19	373.80	374.05	374.20	374.04	374.02	******	374.07	374.06	374.12	374.19	*******	373.95	
20	373.79	374.11	374.15	374.05	374.02	******	374.05	374.05	374.11	374.17	*******	373.94	
21	373.79	374.19	374.12	374.09	374.02	******	374.02	374.02	374.14	374.19	*******	373.94	
22	373.79	374.09	374.19	374.07	******	******	374.00	374.00	374.18	374.07	*******	373.94	
23	373.79	374.03	374.23	374.06	******	******	374.00	374.01	374.13	374.06	*******	373.94	
24	373.80	374.41	374.21	374.04	******	374.05	374.00	374.00	374.20	374.06	*******	373.94	
25	373.80	374.22	374.18	374.03	******	******	374.00	373.99	374.20	374.03	*******	373.94	
26	373.80	374.01	374.13	374.02	******	******	374.00	374.02	374.17	374.04	*******	373.95	
27	373.80	373.99	374.09	374.02	******	******	374.00	374.00	374.08	374.06	*******	373.95	
28	373.96	373.98	374.08	374.05	******	******	374.07	374.04	374.07	374.09	*******	373.95	
29	374.04	373.97	374.06	374.13	******	******	374.04	374.17	374.06	374.08	*******	373.95	
30	374.10	373.96	374.05	******	******	******	374.19	374.09	374.05	374.07		373.95	
31		373.96		******	******		374.04		374.07	374.04		373.95	
MEAN	373.85	374.06	374.09	*******	*******	*******	374.20	374.20	374.30	374.10	*******	373.96	
MAX	374.10	374.41	374.77	374.53	374.08	374.64	375.14	375.19	375.24	374.32	*******	373.98	375.24
MIN	373.79	373.96	373.85	*******	*******	*******	374.00	373.99	374.05	374.03	*******	373.94	******

ANNUAL MAX MOMENTARY GAGE HEIGHT 375.35 M (MSL), AT 6.00 HOURS, ON OCT 4, 1979
ZERO GAGE AT BOTTOM ELEVATION 373.10 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 34 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.08	0.01	0.07	****	****	0.09	0.08	0.09	0.06	*******	0.03	
2	0.01	0.08	0.01	0.07	0.06	****	0.08	0.08	0.08	0.07	*******	0.03	
3	0.01	0.08	0.01	0.06	0.06	****	1.69	1.43	2.25	0.08	*******	0.03	
4	0.01	0.07	0.01	0.27	0.06	****	3.06	3.31	2.52	0.07	*******	0.03	
5	0.01	0.06	0.01	0.20	0.05	****	1.07	0.65	3.58	0.06	*******	0.03	
6	0.01	0.05	0.01	0.19	0.05	****	0.69	0.71	2.81	0.12	*******	0.03	
7	0.01	0.04	0.03	0.18	0.05	0.15	0.52	0.67	0.73	0.09	*******	0.03	
8	0.01	0.13	0.03	0.17	0.09	1.10	0.36	0.34	0.67	0.09	*******	0.03	
9	0.01	0.08	0.04	0.18	0.09	0.78	0.21	0.13	0.33	0.08	*******	0.03	
10	0.01	0.08	0.04	0.17	0.07	0.39	0.20	0.21	0.31	0.09	*******	0.03	
11	0.01	0.07	0.03	0.18	0.06	****	0.21	0.21	0.21	0.08	*******	0.03	
12	0.01	0.07	0.03	0.80	0.05	****	0.20	0.20	0.21	0.09	*******	0.03	
13	0.01	0.06	0.03	0.21	0.05	0.11	0.20	0.20	0.20	0.09	*******	0.03	
14	0.01	0.06	1.27	0.09	0.08	****	0.20	0.20	0.20	0.38	*******	0.03	
15	0.01	0.07	0.30	0.08	0.09	****	0.20	0.20	0.21	0.11	*******	0.02	
16	0.00	0.07	0.10	0.11	0.08	****	0.20	0.20	0.21	0.26	*******	0.02	
17	0.00	0.07	1.49	0.09	0.08	****	0.09	0.09	0.21	0.24	*******	0.02	
18	0.00	0.07	0.36	0.19	0.06	****	0.09	0.09	0.19	0.19	*******	0.02	
19	0.00	0.07	0.20	0.06	0.05	****	0.08	0.08	0.12	0.19	*******	0.02	
20	0.00	0.11	0.15	0.07	0.05	****	0.07	0.07	0.11	0.17	*******	0.02	
21	0.00	0.19	0.12	0.09	0.05	****	0.05	0.05	0.14	0.19	*******	0.02	
22	0.00	0.09	0.19	0.08	****	****	0.04	0.04	0.18	0.08	*******	0.02	
23	0.00	0.06	0.24	0.08	****	****	0.04	0.05	0.13	0.08	*******	0.02	
24	0.00	0.54	0.21	0.06	****	0.07	0.04	0.04	0.20	0.08	*******	0.02	
25	0.00	0.23	0.18	0.06	****	****	0.04	0.04	0.20	0.06	*******	0.02	
26	0.00	0.05	0.13	0.05	****	****	0.04	0.05	0.17	0.06	*******	0.02	
27	0.00	0.04	0.09	0.05	****	****	0.04	0.04	0.09	0.08	*******	0.02	
28	0.03	0.03	0.09	0.07	****	****	0.08	0.06	0.08	0.09	*******	0.02	
29	0.06	0.03	0.08	0.13	****	****	0.06	0.17	0.08	0.09	*******	0.02	
30	0.10	0.03	0.07	****	****	****	0.19	0.09	0.07	0.08		0.02	
31		0.03		****	****		0.06		0.08	0.06		0.02	
TOTAL	0.34	2.79	5.56	****	****	****	10.19	9.78	16.66	3.56	*******	0.76	******** CMSDAY
MEAN	0.01	0.09	0.19	****	****	****	0.33	0.33	0.54	0.11	*******	0.02	******* CMS
MAX	0.10	0.54	1.49	0.80	0.09	1.10	3.06	3.31	3.58	0.38	*******	0.03	3.58 CMS
MIN	0.00	0.03	0.01	****	****	****	0.04	0.04	0.07	0.06	*******	0.02	******* CMS
RUNOFF	0.029	0.241	0.480	****	****	****	0.880	0.845	1.439	0.308	*******	0.066	******** MCM

MOMENTARY PEAK 4.20 CMS, AT 375.35 M (MSL), AT 6.00 HOURS, ON OCT 4, 1979
RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 123.53 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

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

LOCATION	LAT. 18°-37'-00" N., LONG. 98°-44'-43" E., ON LEFT BANK ABOUT 1 KILOMETER FROM BAN PANG TOEM, AMPHOE SAN PA THONG, CHIANG MAI.
DRAINAGE AREA	426 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+322.20 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D. NO. 23
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+329.595 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

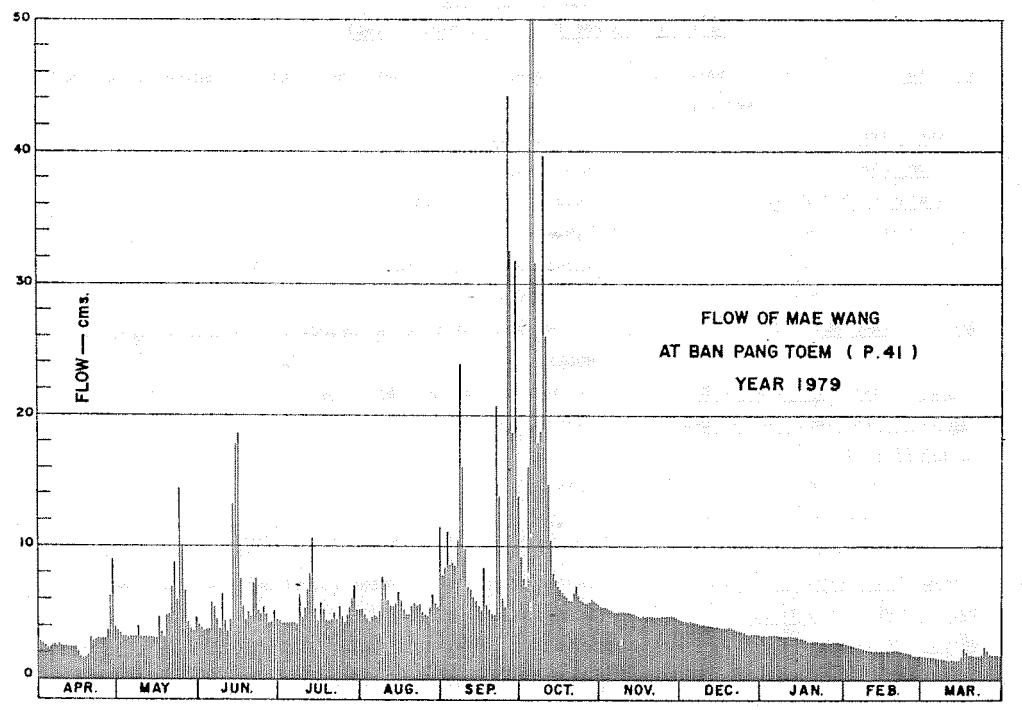
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	322.77	322.83	322.85	322.87	322.95	323.09	323.18	322.96	322.89	322.81	322.76	322.69	
2	322.76	322.81	322.83	322.87	322.93	323.12	323.08	322.95	322.88	322.81	322.76	322.69	
3	322.75	322.81	322.84	322.87	322.90	323.24	323.05	322.95	322.88	322.81	322.75	322.69	
4	322.74	322.79	322.84	322.87	322.88	323.13	323.44	322.95	322.88	322.81	322.75	322.69	
5	322.75	322.80	322.98	322.88	322.90	323.14	324.29	322.94	322.87	322.81	322.75	322.69	
6	322.76	322.80	322.96	322.87	322.91	323.12	324.32	322.94	322.87	322.81	322.75	322.68	
7	322.75	322.79	322.87	322.87	322.90	323.22	323.68	322.94	322.86	322.81	322.74	322.68	
8	322.76	322.86	322.84	322.86	322.94	323.68	323.50	322.93	322.86	322.81	322.74	322.68	
9	322.76	322.80	323.02	323.02	323.09	323.25	323.54	322.93	322.86	322.80	322.73	322.68	
10	322.75	322.79	322.90	322.90	323.07	323.16	324.07	322.93	322.86	322.80	322.73	322.67	
11	322.75	322.80	322.83	323.00	323.00	323.04	323.44	322.93	322.86	322.80	322.73	322.67	
12	322.75	322.79	322.88	323.04	322.97	323.04	323.27	322.92	322.85	322.80	322.72	322.67	
13	322.75	322.80	323.33	323.23	322.96	323.01	323.17	322.92	322.85	322.80	322.72	322.67	
14	322.75	322.79	323.49	322.99	322.97	323.00	323.09	322.91	322.85	322.80	322.72	322.67	
15	322.75	322.79	323.52	322.92	323.03	322.97	323.06	322.91	322.85	322.79	322.72	322.67	
16	322.70	322.90	323.08	322.88	322.98	322.94	323.04	322.91	322.85	322.79	322.72	322.70	
17	322.69	322.83	322.97	322.99	322.96	323.12	323.02	322.91	322.85	322.79	322.72	322.73	
18	322.69	322.80	322.89	322.92	322.92	322.97	323.01	322.91	322.85	322.78	322.72	322.70	
19	322.70	322.92	322.94	322.89	322.92	322.93	323.00	322.91	322.84	322.78	322.72	322.70	
20	322.79	322.92	322.91	322.88	322.95	322.92	322.99	322.91	322.84	322.78	322.72	322.70	
21	322.78	323.07	323.06	322.90	322.99	322.92	323.42	322.91	322.83	322.78	322.71	322.70	
22	322.78	323.14	323.09	322.93	322.97	323.59	323.05	322.91	322.83	322.78	322.71	322.70	
23	322.79	323.00	322.93	322.89	322.98	323.18	323.00	322.91	322.82	322.78	322.71	322.69	
24	322.79	323.37	322.91	322.97	322.94	323.01	322.99	322.90	322.82	322.78	322.71	322.69	
25	322.79	323.17	322.96	322.90	322.93	322.96	322.99	322.90	322.82	322.78	322.70	322.74	
26	322.79	323.02	322.91	322.88	322.91	323.65	322.98	322.90	322.81	322.77	322.70	322.70	
27	322.85	322.89	322.87	322.92	322.92	324.17	322.98	322.90	322.81	322.77	322.70	322.70	
28	323.15	322.84	322.88	322.98	323.02	323.52	323.00	322.90	322.81	322.77	322.69	322.70	
29	322.88	322.83	322.94	323.05	322.98	323.88	322.99	322.90	322.81	322.77	322.69	322.70	
30	322.84	322.90	322.89	322.96	322.96	323.32	322.98	322.89	322.81	322.77		322.70	
31		322.88		322.94	323.26		322.97		322.81	322.77		322.69	
MEAN	322.78	322.89	322.97	322.93	322.97	323.21	323.24	322.92	322.84	322.79	322.72	322.69	
MAX	323.15	323.37	323.52	323.23	323.26	324.17	324.32	322.96	322.89	322.81	322.76	322.74	324.32
MIN	322.69	322.79	322.83	322.86	322.88	322.92	322.97	322.89	322.81	322.77	322.69	322.67	322.67

ANNUAL MAX MOMENTARY GAGE HEIGHT 325.00 M (MSL), AT 10.00 HOURS, ON OCT 5, 1979

ZERO GAGE AT BOTTOM ELEVATION 322.20 M (MSL), RIVER BED 322.41 M (MSL)

LEFT BANK ELEVATION 328.57 M (MSL)

RIGHT BANK ELEVATION 329.19 M (MSL), DRAINAGE AREA 426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.84	3.66	3.94	4.21	5.31	7.80	9.60	5.45	4.49	3.39	2.70	1.74	
2	2.70	3.39	3.66	4.21	5.04	8.40	7.60	5.31	4.35	3.39	2.70	1.74	
3	2.56	3.39	3.80	4.21	4.62	11.00	7.00	5.31	4.35	3.39	2.56	1.74	
4	2.43	3.11	3.80	4.21	4.35	8.60	16.20	5.31	4.35	3.39	2.56	1.74	
5	2.56	3.25	5.72	4.35	4.62	8.80	49.55	5.17	4.21	3.39	2.56	1.74	
6	2.70	3.25	5.45	4.21	4.76	8.40	51.00	5.17	4.21	3.39	2.56	1.60	
7	2.56	3.11	4.21	4.21	4.62	10.50	23.80	5.17	4.07	3.39	2.43	1.60	
8	2.70	4.07	3.80	4.07	5.17	23.80	18.00	5.04	4.07	3.39	2.43	1.60	
9	2.70	3.25	6.40	6.40	7.80	11.25	19.20	5.04	4.07	3.25	2.29	1.60	
10	2.56	3.11	4.62	4.62	7.40	9.20	39.65	5.04	4.07	3.25	2.29	1.46	
11	2.56	3.25	3.66	6.00	6.00	6.80	16.20	5.04	4.07	3.25	2.29	1.46	
12	2.56	3.11	4.35	6.80	5.59	6.80	11.75	4.90	3.94	3.25	2.15	1.46	
13	2.56	3.25	13.25	10.75	5.45	6.20	9.40	4.90	3.94	3.25	2.15	1.46	
14	2.56	3.11	17.70	5.86	5.59	6.00	7.80	4.76	3.94	3.25	2.15	1.46	
15	2.56	3.11	18.60	4.90	6.60	5.59	7.20	4.76	3.94	3.11	2.15	1.46	
16	1.87	4.62	7.60	4.35	5.72	5.17	6.80	4.76	3.94	3.11	2.15	1.87	
17	1.74	3.66	5.59	5.86	5.45	8.40	6.40	4.76	3.94	3.11	2.15	2.29	
18	1.74	3.25	4.49	4.90	4.90	5.59	6.20	4.76	3.94	2.97	2.15	1.87	
19	1.87	4.90	5.17	4.49	4.90	5.04	6.00	4.76	3.80	2.97	2.15	1.87	
20	3.11	4.90	4.76	4.35	5.31	4.90	5.86	4.76	3.80	2.97	2.15	1.87	
21	2.97	7.40	7.20	4.62	5.86	4.90	15.60	4.76	3.66	2.97	2.01	1.87	
22	2.97	8.80	7.80	5.04	5.59	20.70	7.00	4.76	3.66	2.97	2.01	1.87	
23	3.11	6.00	5.04	4.49	5.72	9.60	6.00	4.76	3.52	2.97	2.01	1.74	
24	3.11	14.25	4.76	5.59	5.17	6.20	5.86	4.62	3.52	2.97	2.01	1.74	
25	3.11	9.40	5.45	4.62	5.04	5.45	5.86	4.62	3.52	2.97	1.87	2.43	
26	3.11	6.40	4.76	4.35	4.76	22.75	5.72	4.62	3.39	2.84	1.87	1.87	
27	3.94	4.49	4.21	4.90	4.90	44.15	5.72	4.62	3.39	2.84	1.87	1.87	
28	9.00	3.80	4.35	5.72	6.40	18.60	6.00	4.62	3.39	2.84	1.74	1.87	
29	4.35	3.66	5.17	7.00	5.72	31.70	5.86	4.62	3.39	2.84	1.74	1.87	
30	3.80	4.62	4.49	5.45	5.45	13.00	5.72	4.49	3.39	2.84		1.87	
31		4.35		5.17	11.50		5.59		3.39	2.84		1.74	
TOTAL	88.91	143.92	183.80	159.91	175.31	345.29	400.14	146.66	119.71	96.75	63.85	54.37	1978.62 CMSDAY
MEAN	2.96	4.64	6.13	5.16	5.66	11.51	12.91	4.89	3.86	3.12	2.20	1.75	5.41 CMS
MAX	9.00	14.25	18.60	10.75	11.50	44.15	51.00	5.45	4.49	3.39	2.70	2.43	51.00 CMS
MIN	1.74	3.11	3.66	4.07	4.35	4.90	5.59	4.49	3.39	2.84	1.74	1.46	1.46 CMS
RUNOFF	7.682	12.435	15.880	13.816	15.147	29.833	34.572	12.671	10.343	8.359	5.517	4.698	170.952 MCM

MOMENTARY PEAK 88.00 CMS, AT 325.00 M (MSL), AT 10.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 12.69 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 206.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PING RIVER BASIN

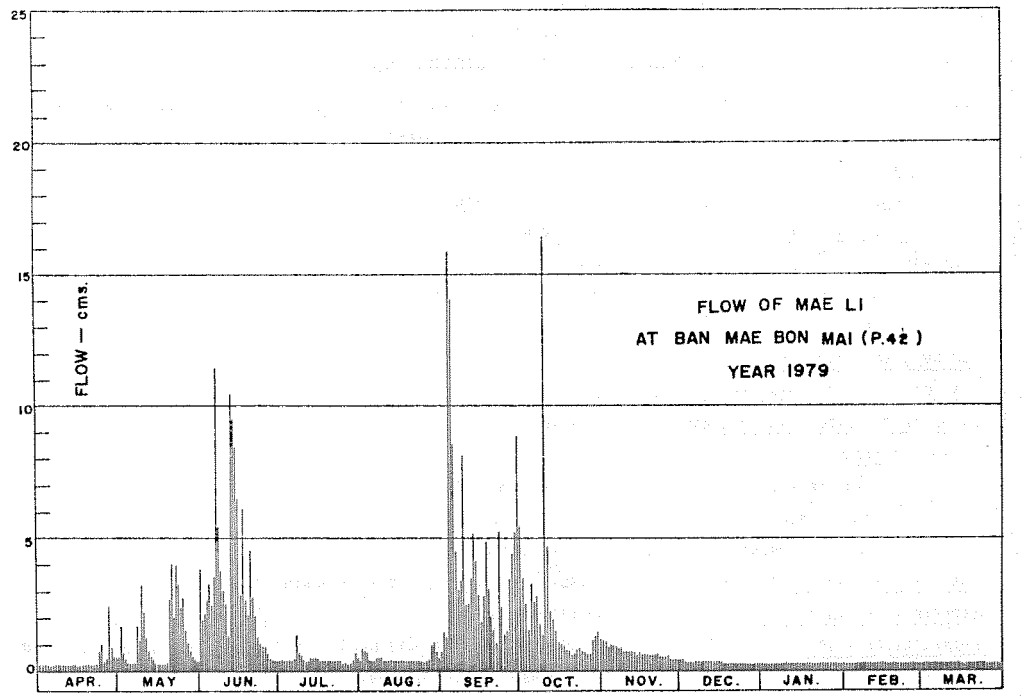
MAE LI AT BAN MAE BON MAI, LAMPHUN (P.42)

LOCATION	LAT. 17°53'16" N., LONG. 99°05'20" E., ON RIGHT BANK AT BAN MAE BON MAI, AMPHOE LI, LAMPHUN.
DRAINAGE AREA	315 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+500.10 M. (M.S.L.)
BENCH MARK	B.M.=R.I.D.
LOCATION	ALONG STAFF GAGE LINE.
ELEVATION	+505.708 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 93 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	500.35	500.52	500.92	500.45	500.48	500.70	501.06	500.64	500.45	500.35	500.34	500.33	
2	500.35	500.71	500.75	500.45	500.57	500.66	500.89	500.62	500.44	500.35	500.34	500.32	
3	500.35	500.50	500.82	500.45	500.54	501.19	500.79	500.59	500.43	500.35	500.34	500.32	
4	500.35	500.47	500.88	500.45	500.49	501.64	500.70	500.58	500.43	500.35	500.34	500.32	
5	500.35	500.42	500.79	500.45	500.49	501.55	500.87	500.58	500.43	500.35	500.34	500.32	
6	500.34	500.41	500.90	500.45	500.49	501.05	500.81	500.58	500.42	500.35	500.34	500.32	
7	500.34	500.40	501.43	500.69	500.50	500.85	500.83	500.57	500.42	500.35	500.34	500.32	
8	500.35	500.72	500.93	500.55	500.51	500.88	500.74	500.56	500.41	500.35	500.34	500.32	
9	500.34	500.65	500.85	500.53	500.49	501.24	500.69	500.54	500.41	500.35	500.34	500.32	
10	500.34	500.87	500.83	500.48	500.49	500.88	501.66	500.54	500.41	500.35	500.34	500.32	
11	500.34	500.66	500.70	500.45	500.47	500.80	501.01	500.55	500.41	500.35	500.33	500.32	
12	500.34	500.55	500.63	500.48	500.46	500.90	500.84	500.54	500.41	500.35	500.33	500.34	
13	500.34	500.51	501.38	500.50	500.45	501.04	500.77	500.54	500.40	500.35	500.33	500.43	
14	500.34	500.47	501.26	500.51	500.45	500.97	500.70	500.53	500.39	500.35	500.33	500.36	
15	500.35	500.44	501.15	500.50	500.47	500.83	500.65	500.55	500.38	500.35	500.33	500.36	
16	500.35	500.42	500.84	500.47	500.46	500.74	500.60	500.52	500.37	500.35	500.33	500.35	
17	500.35	500.42	501.11	500.45	500.46	500.83	500.58	500.52	500.36	500.35	500.33	500.34	
18	500.34	500.43	500.83	500.47	500.46	501.02	500.55	500.52	500.35	500.35	500.33	500.33	
19	500.34	500.44	500.77	500.49	500.45	500.84	500.54	500.52	500.35	500.35	500.33	500.33	
20	500.33	500.82	501.00	500.48	500.45	500.73	500.53	500.52	500.35	500.35	500.33	500.33	
21	500.33	500.95	500.82	500.47	500.45	500.66	500.52	500.52	500.35	500.35	500.33	500.32	
22	500.32	500.76	500.73	500.46	500.47	500.60	500.57	500.52	500.35	500.35	500.33	500.32	
23	500.33	500.94	500.65	500.46	500.46	501.05	500.58	500.50	500.35	500.35	500.33	500.32	
24	500.60	500.79	500.60	500.45	500.45	500.78	500.55	500.50	500.35	500.35	500.33	500.32	
25	500.43	500.81	500.56	500.44	500.44	500.68	500.54	500.50	500.35	500.34	500.33	500.32	
26	500.40	500.71	500.58	500.43	500.45	500.71	500.53	500.50	500.35	500.34	500.33	500.32	
27	500.79	500.64	500.50	500.42	500.48	500.89	500.52	500.49	500.35	500.34	500.33	500.32	
28	500.61	500.54	500.48	500.42	500.61	500.99	500.63	500.48	500.35	500.34	500.33	500.32	
29	500.51	500.51	500.48	500.45	500.60	501.05	500.66	500.47	500.35	500.34	500.33	500.32	
30	500.51	500.46	500.45	500.54	500.52	501.29	500.69	500.46	500.35	500.34		500.32	
31		500.43		500.48	500.50		500.64		500.35	500.34		500.32	
MEAN	500.39	500.59	500.82	500.48	500.49	500.93	500.72	500.53	500.38	500.35	500.33	500.33	
MAX	500.79	500.95	501.43	500.69	500.61	501.64	501.66	500.64	500.45	500.35	500.34	500.43	501.66
MIN	500.32	500.40	500.45	500.42	500.44	500.60	500.52	500.46	500.35	500.34	500.33	500.32	500.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 501.90 M (MSL), AT 6.00 HOURS, ON SEP 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 500.10 M (MSL), RIVER BED 500.16 M (MSL)
LEFT BANK ELEVATION 506.24 M (MSL)
RIGHT BANK ELEVATION 505.70 M (MSL), DRAINAGE AREA 315 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.60	3.70	0.40	0.46	1.50	5.40	1.20	0.40	0.25	0.24	0.23	
2	0.25	1.60	2.00	0.40	0.85	1.30	3.40	1.10	0.38	0.25	0.24	0.22	
3	0.25	0.50	2.70	0.40	0.70	7.35	2.40	0.95	0.36	0.25	0.24	0.22	
4	0.25	0.44	3.30	0.40	0.48	15.88	1.50	0.90	0.36	0.25	0.24	0.22	
5	0.25	0.34	2.40	0.40	0.48	13.90	3.20	0.90	0.36	0.25	0.24	0.22	
6	0.24	0.32	3.50	0.40	0.48	5.25	2.60	0.90	0.34	0.25	0.24	0.22	
7	0.24	0.30	11.40	1.45	0.50	3.00	2.80	0.85	0.34	0.25	0.24	0.22	
8	0.25	1.70	3.80	0.75	0.55	3.30	1.90	0.80	0.32	0.25	0.24	0.22	
9	0.24	1.25	3.00	0.65	0.48	8.10	1.45	0.70	0.32	0.25	0.24	0.22	
10	0.24	3.20	2.80	0.46	0.48	3.30	16.32	0.70	0.32	0.25	0.24	0.22	
11	0.24	1.30	1.50	0.40	0.44	2.50	4.65	0.75	0.32	0.25	0.23	0.22	
12	0.24	0.75	1.15	0.46	0.42	3.50	2.90	0.70	0.32	0.25	0.23	0.24	
13	0.24	0.55	10.44	0.50	0.40	5.10	2.20	0.70	0.30	0.25	0.23	0.36	
14	0.24	0.44	8.40	0.55	0.40	4.20	1.50	0.65	0.29	0.25	0.23	0.26	
15	0.25	0.38	6.75	0.50	0.44	2.80	1.25	0.75	0.28	0.25	0.23	0.26	
16	0.25	0.34	2.90	0.44	0.42	1.90	1.00	0.60	0.27	0.25	0.23	0.25	
17	0.25	0.34	6.15	0.40	0.42	2.80	0.90	0.60	0.26	0.25	0.23	0.24	
18	0.24	0.36	2.80	0.44	0.42	4.80	0.75	0.60	0.25	0.25	0.23	0.23	
19	0.24	0.38	2.20	0.48	0.40	2.90	0.70	0.60	0.25	0.25	0.23	0.23	
20	0.23	2.70	4.50	0.46	0.40	1.80	0.65	0.60	0.25	0.25	0.23	0.23	
21	0.23	4.00	2.70	0.44	0.40	1.30	0.60	0.60	0.25	0.25	0.23	0.22	
22	0.22	2.10	1.80	0.42	0.44	1.00	0.85	0.60	0.25	0.25	0.23	0.22	
23	0.23	3.90	1.25	0.42	0.42	5.25	0.90	0.50	0.25	0.25	0.23	0.22	
24	1.00	2.40	1.00	0.40	0.40	2.30	0.75	0.50	0.25	0.25	0.23	0.22	
25	0.36	2.60	0.80	0.38	0.38	1.40	0.70	0.50	0.25	0.24	0.23	0.22	
26	0.30	1.60	0.90	0.36	0.40	1.60	0.65	0.50	0.25	0.24	0.23	0.22	
27	2.40	1.20	0.50	0.34	0.46	3.40	0.60	0.48	0.25	0.24	0.23	0.22	
28	1.05	0.70	0.46	0.34	1.05	4.40	1.15	0.46	0.25	0.24	0.23	0.22	
29	0.55	0.55	0.46	0.40	1.00	5.25	1.30	0.44	0.25	0.24	0.23	0.22	
30	0.55	0.42	0.40	0.70	0.60	8.85	1.45	0.42	0.25	0.24		0.22	
31		0.36		0.46	0.50		1.20		0.25	0.24		0.22	
TOTAL	11.77	37.62	95.66	15.00	15.67	129.93	67.62	20.55	9.04	7.68	6.77	7.15	424.46 CMSDAY
MEAN	0.39	1.21	3.19	0.48	0.51	4.33	2.18	0.68	0.29	0.25	0.23	0.23	1.16 CMS
MAX	2.40	4.00	11.40	1.45	1.05	15.88	16.32	1.20	0.40	0.25	0.24	0.36	16.32 CMS
MIN	0.22	0.30	0.40	0.34	0.38	1.00	0.60	0.42	0.25	0.24	0.23	0.22	0.22 CMS
RUNOFF	1.017	3.250	8.265	1.296	1.354	11.226	5.842	1.776	0.781	0.664	0.585	0.618	36.673 MCM

MOMENTARY PEAK 22.40 CMS, AT 501.90 M (MSL), AT 6.00 HOURS, ON SEP 5, 1979

RUNOFF YIELD 3.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 71.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

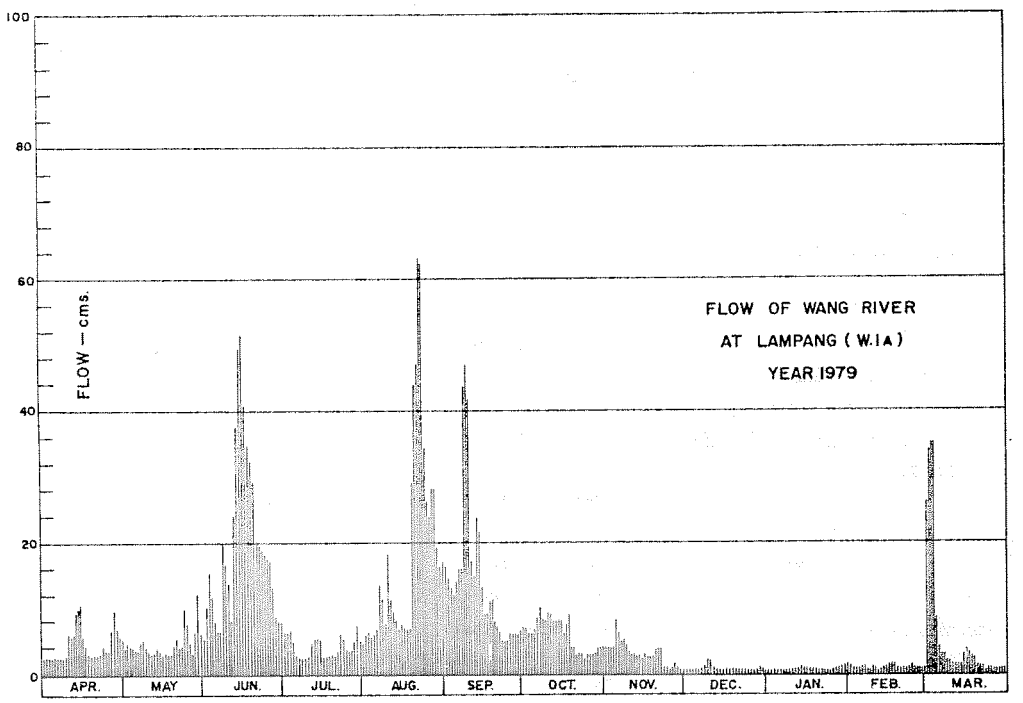
WANG RIVER AT LAMPANG, LAMPANG (W.1A)

LOCATION	LAT. 18°-17'-24" N., LONG. 99°-29'-40" E., ON LEFT BANK ABOUT 300 METERS UPSTREAM FROM KITTIKHACHON II BRIDGE, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	3,481 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+227.80 M. (M.S.L.)
BENCH MARK	B.M.-W.1A
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+234.247 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	228.21	228.33	228.34	228.42	228.32	228.63	228.41	228.30	228.12	228.07	228.18	228.83	
2	228.21	228.31	228.48	228.37	228.37	228.60	228.39	228.31	228.12	228.08	228.14	228.96	
3	228.22	228.32	228.52	228.38	228.39	228.57	228.37	228.31	228.11	228.08	228.13	228.98	
4	228.22	228.31	228.60	228.38	228.35	228.54	228.36	228.31	228.11	228.09	228.12	228.98	
5	228.23	228.29	228.43	228.31	228.38	228.63	228.40	228.43	228.12	228.11	228.13	228.45	
6	228.22	228.29	228.39	228.26	228.40	228.67	228.45	228.36	228.13	228.08	228.13	228.32	
7	228.23	228.27	228.38	228.23	228.56	228.67	228.48	228.34	228.13	228.08	228.14	228.26	
8	228.21	228.32	228.58	228.22	228.52	229.11	228.45	228.33	228.14	228.09	228.10	228.26	
9	228.22	228.34	228.69	228.22	228.42	229.15	228.43	228.30	228.21	228.10	228.10	228.22	
10	228.27	228.30	228.57	228.21	228.66	229.08	228.47	228.27	228.21	228.13	228.13	228.18	
11	228.36	228.28	228.57	228.22	228.55	228.65	228.46	228.25	228.15	228.12	228.12	228.16	
12	228.35	228.26	228.43	228.32	228.48	228.60	228.43	228.24	228.14	228.12	228.11	228.16	
13	228.46	228.25	228.78	228.33	228.45	228.79	228.43	228.23	228.10	228.14	228.10	228.16	
14	228.49	228.26	229.10	228.27	228.38	228.72	228.42	228.23	228.10	228.15	228.12	228.15	
15	228.50	228.25	229.20	228.25	228.41	228.56	228.42	228.21	228.10	228.15	228.13	228.24	
16	228.36	228.28	229.22	228.23	228.42	228.47	228.37	228.21	228.10	228.15	228.14	228.30	
17	228.30	228.29	229.04	228.23	228.40	228.46	228.41	228.25	228.10	228.13	228.16	228.27	
18	228.26	228.25	228.97	228.24	228.40	228.51	228.45	228.23	228.09	228.13	228.17	228.23	
19	228.23	228.24	228.91	228.24	228.67	228.52	228.31	228.23	228.09	228.11	228.13	228.21	
20	228.23	228.28	228.88	228.24	229.11	228.42	228.29	228.28	228.10	228.11	228.12	228.17	
21	228.24	228.32	228.70	228.24	229.15	228.39	228.27	228.30	228.09	228.11	228.12	228.15	
22	228.24	228.35	228.69	228.29	229.38	228.37	228.26	228.31	228.07	228.11	228.11	228.14	
23	228.25	228.30	228.68	228.37	229.37	228.34	228.27	228.15	228.07	228.12	228.11	228.13	
24	228.31	228.30	228.66	228.33	229.04	228.34	228.21	228.14	228.08	228.11	228.14	228.11	
25	228.27	228.48	228.65	228.29	228.82	228.35	228.25	228.11	228.08	228.11	228.15	228.13	
26	228.27	228.42	228.64	228.28	228.79	228.36	228.25	228.14	226.07	228.12	228.13	228.11	
27	228.36	228.31	228.61	228.27	228.86	228.38	228.26	228.17	228.07	228.13	228.12	228.10	
28	228.48	228.26	228.45	228.32	228.86	228.37	228.27	228.12	228.07	228.15	228.11	228.10	
29	228.40	228.37	228.43	228.41	228.69	228.36	228.28	228.11	228.14	228.15	228.13	228.08	
30	228.36	228.53	228.42	228.35	228.62	228.39	228.29	228.11	228.09	228.15		228.08	
31		228.36		228.32	228.65		228.31		228.08	228.18		228.08	
MEAN	228.30	228.31	228.67	228.29	228.64	228.57	228.36	228.24	228.11	228.12	228.13	228.28	
MAX	228.50	228.53	229.22	228.42	229.38	229.15	228.48	228.43	228.21	228.18	228.18	228.98	229.38
MIN	228.21	228.24	228.34	228.21	228.32	228.34	228.21	228.11	228.07	228.07	228.10	228.08	228.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 229.43 M (MSL), AT 20.00 HOURS, ON AUG 22, 1979
ZERO GAGE AT BOTTOM ELEVATION 227.80 M (MSL), RIVER BED 227.82 M (MSL)
LEFT BANK ELEVATION 234.50 M (MSL)
RIGHT BANK ELEVATION 232.57 M (MSL), DRAINAGE AREA 3481 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.20	4.90	5.20	7.70	4.60	16.50	7.35	4.00	0.80	0.35	1.70	26.50	
2	2.20	4.30	9.80	6.10	6.10	15.00	6.70	4.30	0.80	0.40	1.10	33.90	
3	2.40	4.60	11.40	6.40	6.70	13.65	6.10	4.30	0.65	0.40	0.95	35.20	
4	2.40	4.30	15.00	6.40	5.50	12.30	5.80	4.30	0.65	0.45	0.80	35.20	
5	2.60	3.80	8.05	4.30	6.40	16.50	7.00	8.05	0.80	0.65	0.95	8.75	
6	2.40	3.80	6.70	3.20	7.00	18.50	8.75	5.80	0.95	0.40	0.95	4.60	
7	2.60	3.40	6.40	2.60	13.20	18.50	9.80	5.20	0.95	0.40	1.10	3.20	
8	2.20	4.60	14.10	2.40	11.40	43.70	8.75	4.90	1.10	0.45	0.50	3.20	
9	2.40	5.20	19.50	2.40	7.70	46.50	8.05	4.00	2.20	0.50	0.50	2.40	
10	3.40	4.00	13.65	2.20	18.00	41.70	9.45	3.40	2.20	0.95	0.95	1.70	
11	5.80	3.60	13.65	2.40	12.75	17.50	9.10	3.00	1.25	0.80	0.80	1.40	
12	5.50	3.20	8.05	4.60	9.80	15.00	8.05	2.80	1.10	0.80	0.65	1.40	
13	9.10	3.00	24.00	4.90	8.75	24.50	8.05	2.60	0.50	1.10	0.50	1.40	
14	10.15	3.20	43.00	3.40	6.40	21.00	7.70	2.60	0.50	1.25	0.80	1.25	
15	10.50	3.00	50.00	3.00	7.35	13.20	7.70	2.20	0.50	1.25	0.95	2.80	
16	5.80	3.60	51.40	2.60	7.70	9.45	6.10	2.20	0.50	1.25	1.10	4.00	
17	4.00	3.80	39.10	2.60	7.00	9.10	7.35	3.00	0.50	0.95	1.40	3.40	
18	3.20	3.00	34.55	2.80	7.00	10.95	8.75	2.60	0.45	0.95	1.55	2.60	
19	2.60	2.80	30.65	2.80	18.50	11.40	4.30	2.60	0.45	0.65	0.95	2.20	
20	2.60	3.60	29.00	2.80	43.70	7.70	3.80	3.60	0.50	0.65	0.80	1.55	
21	2.80	4.60	20.00	.0	46.50	6.70	3.40	4.00	0.45	0.65	0.80	1.25	
22	2.80	5.50	19.50	.0	63.00	6.10	3.20	4.30	0.35	0.65	0.65	1.10	
23	3.00	4.00	19.00	.0	62.25	5.20	3.40	1.25	0.35	0.80	0.65	0.95	
24	4.30	4.00	18.00	0	39.10	5.20	2.20	1.10	0.40	0.65	1.10	0.65	
25	3.40	9.80	17.50	.0	26.00	5.50	3.00	0.65	0.40	0.65	1.25	0.95	
26	3.40	7.70	17.00	.0	24.50	5.80	3.00	1.10	0.35	0.80	0.95	0.65	
27	5.80	4.30	15.50	3.40	28.00	6.40	3.20	1.55	0.35	0.95	0.80	0.50	
28	9.80	3.20	8.75	4.60	28.00	6.10	3.40	0.80	0.35	1.25	0.65	0.50	
29	7.00	6.10	8.05	7.35	19.50	5.80	3.60	0.65	1.10	1.25	0.95	0.40	
30	5.80	11.85	7.70	5.50	16.00	6.70	3.80	0.65	0.45	1.25		0.40	
31		5.80		4.60	17.50		4.30		0.40	1.70		0.40	
TOTAL	132.15	142.55	584.20	126.05	585.90	442.15	185.15	91.50	22.30	25.20	26.80	184.40	2548.35 CMSDAY
MEAN	4.40	4.60	19.47	4.07	18.90	14.74	5.97	3.05	0.72	0.81	0.92	5.95	6.96 CMS
MAX	10.50	11.85	51.40	7.70	63.00	46.50	9.80	8.05	2.20	1.70	1.70	35.20	63.00 CMS
MIN	2.20	2.80	5.20	2.20	4.60	5.20	2.20	0.65	0.35	0.35	0.50	0.40	0.35 CMS
RUNOFF	11.418	12.316	50.475	10.891	50.622	38.202	15.997	7.906	1.927	2.177	2.316	15.932	220.177 MCM

MOMENTARY PEAK 66.90 CMS, AT 229.43 M (MSL), AT 20.00 HOURS, ON AUG 22, 1979

RUNOFF YIELD 2.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

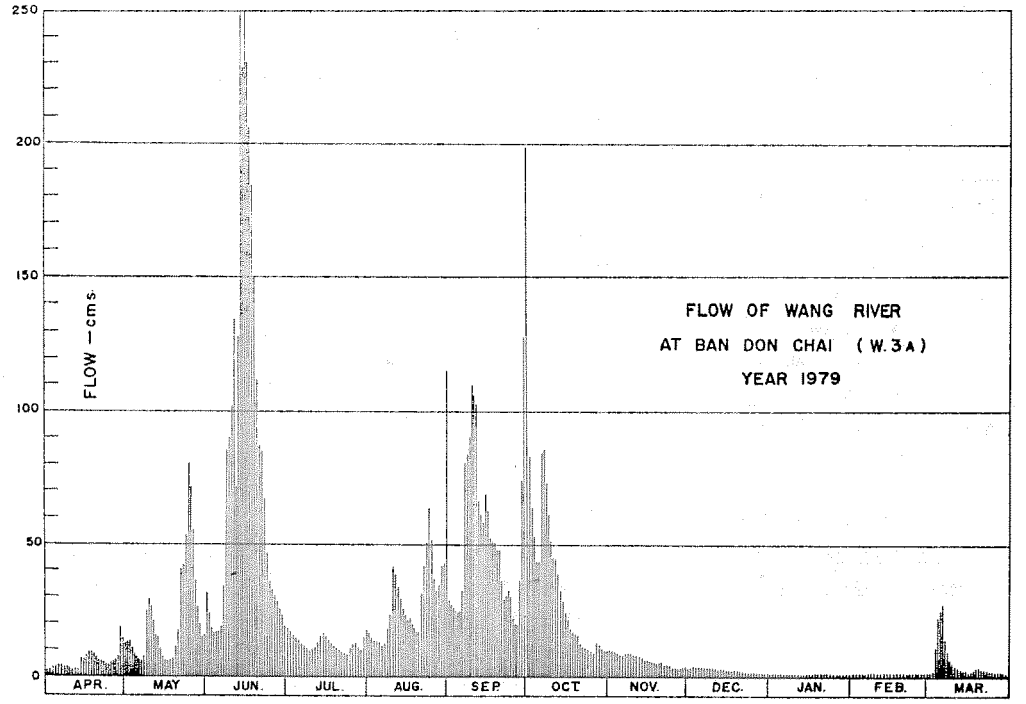
WANG RIVER AT BAN DON CHAI, LAMPANG (W.3A)

LOCATION	LAT. 17°-38'-29" N., LONG. 99°-14'-04" E., ON RIGHT BANK ABOUT 30 METERS UPSTREAM FROM SIRIYONG BRIDGE, AMPHOE THOEN, LAMPANG.
DRAINAGE AREA	8,985 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+161.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+167.556 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	161.68	161.97	162.27	162.08	162.07	162.22	162.94	161.93	161.74	161.62	161.60	161.58	
2	161.69	162.00	162.13	162.06	162.01	162.21	162.64	161.92	161.74	161.61	161.60	161.57	
3	161.74	161.95	162.05	162.05	162.00	162.19	162.53	161.91	161.76	161.62	161.61	161.70	
4	161.74	161.88	162.06	162.03	161.99	162.16	162.40	161.91	161.76	161.62	161.64	162.13	
5	161.74	161.84	162.05	162.01	161.99	162.18	162.39	161.89	161.76	161.60	161.65	162.18	
6	161.74	161.81	162.09	161.99	161.96	162.36	162.73	161.88	161.75	161.61	161.64	162.22	
7	161.73	161.80	162.30	161.97	161.96	162.71	162.74	161.90	161.75	161.60	161.63	162.01	
8	161.73	161.87	162.73	161.94	162.04	162.74	162.66	161.91	161.74	161.60	161.63	161.91	
9	161.73	162.19	162.77	161.94	162.15	162.80	162.55	161.91	161.74	161.60	161.62	161.81	
10	161.70	162.24	162.84	161.92	162.38	162.89	162.41	161.88	161.74	161.60	161.62	161.78	
11	161.70	162.18	163.02	161.93	162.37	162.84	162.41	161.88	161.72	161.60	161.61	161.76	
12	161.70	162.03	162.64	161.96	162.32	162.60	162.36	161.87	161.73	161.59	161.58	161.73	
13	161.70	162.01	163.54	161.99	162.24	162.56	162.29	161.85	161.75	161.59	161.56	161.71	
14	161.82	161.93	163.43	162.04	162.20	162.53	162.23	161.84	161.72	161.59	161.55	161.69	
15	161.82	161.85	163.53	162.05	162.17	162.62	162.18	161.83	161.72	161.59	161.54	161.68	
16	161.88	161.80	163.40	162.02	162.12	162.57	162.13	161.83	161.70	161.58	161.55	161.68	
17	161.91	161.81	163.27	162.00	162.14	162.47	162.09	161.82	161.70	161.60	161.54	161.68	
18	161.90	161.81	163.17	161.97	162.10	162.47	162.05	161.80	161.70	161.63	161.54	161.73	
19	161.86	161.83	162.94	161.94	162.05	162.44	162.04	161.79	161.71	161.65	161.56	161.76	
20	161.82	161.94	162.75	161.93	162.04	162.44	162.02	161.80	161.71	161.67	161.56	161.73	
21	161.81	162.07	162.73	161.92	162.19	162.31	161.96	161.79	161.70	161.67	161.57	161.72	
22	161.79	162.37	162.64	161.91	162.36	162.23	161.95	161.81	161.69	161.66	161.61	161.71	
23	161.77	162.38	162.47	161.90	162.45	162.28	161.94	161.79	161.68	161.65	161.59	161.69	
24	161.76	162.50	162.37	161.87	162.58	162.26	161.93	161.77	161.67	161.64	161.60	161.68	
25	161.78	162.70	162.29	161.93	162.52	162.16	161.92	161.75	161.65	161.64	161.60	161.67	
26	161.81	162.56	162.26	161.97	162.36	162.11	161.90	161.73	161.64	161.63	161.59	161.66	
27	161.82	162.40	162.23	161.97	162.27	162.10	161.98	161.73	161.64	161.63	161.58	161.65	
28	161.85	162.25	162.20	161.94	162.30	162.33	161.97	161.73	161.63	161.63	161.58	161.65	
29	162.10	162.12	162.16	161.91	162.38	162.79	161.94	161.74	161.63	161.62	161.58	161.64	
30	162.00	162.02	162.09	161.94	162.39	163.31	161.92	161.75	161.62	161.61		161.64	
31		162.04		162.22	162.92		161.92		161.62	161.58		161.62	
MEAN	161.79	162.07	162.61	161.98	162.23	162.46	162.23	161.83	161.70	161.62	161.59	161.75	
MAX	162.10	162.70	163.54	162.22	162.92	163.31	162.94	161.93	161.76	161.67	161.65	162.22	163.54
MIN	161.68	161.80	162.05	161.87	161.96	162.10	161.90	161.73	161.62	161.58	161.54	161.57	161.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 164.18 M (MSL), AT 16.00 HOURS, ON JUN 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 161.00 M (MSL), RIVER BED 160.94 M (MSL)
LEFT BANK ELEVATION 170.84 M (MSL)
RIGHT BANK ELEVATION 170.82 M (MSL), DRAINAGE AREA 8985 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.68	12.00	31.60	17.90	17.35	27.60	118.90	10.00	3.20	0.72	0.40	0.32	
2	1.84	13.50	21.10	16.80	14.05	26.80	71.60	9.50	3.20	0.56	0.40	0.28	
3	3.20	11.00	16.25	16.25	13.50	25.30	57.60	9.00	3.80	0.72	0.56	2.00	
4	3.20	7.80	16.80	15.15	13.00	23.20	43.50	9.00	3.80	0.72	1.04	21.10	
5	3.20	6.40	16.25	14.05	13.00	24.60	42.55	8.15	3.80	0.40	1.20	24.60	
6	3.20	5.35	18.45	13.00	11.50	39.70	84.50	7.80	3.50	0.56	1.04	27.60	
7	2.90	5.00	34.00	12.00	11.50	81.50	86.00	8.50	3.50	0.40	0.88	14.05	
8	2.90	7.45	84.50	10.50	15.70	86.00	74.40	9.00	3.20	0.40	0.88	9.00	
9	2.90	25.30	90.50	10.50	22.50	95.00	60.00	9.00	3.20	0.40	0.72	5.35	
10	2.00	29.20	101.60	9.50	41.60	109.85	44.55	7.80	3.20	0.40	0.72	4.40	
11	2.00	24.60	134.00	10.00	40.65	101.60	44.55	7.80	2.60	0.40	0.56	3.80	
12	2.00	15.15	71.60	11.50	35.90	66.00	39.70	7.45	2.90	0.36	0.32	2.90	
13	2.00	14.05	256.79	13.00	29.20	61.20	33.20	6.75	3.50	0.36	0.24	2.30	
14	5.70	10.00	227.80	15.70	26.00	57.60	28.40	6.40	2.60	0.36	0.20	1.84	
15	5.70	6.75	254.10	16.25	23.90	68.80	24.60	6.05	2.60	0.36	0.16	1.68	
16	7.80	5.00	220.00	14.60	20.40	62.40	21.10	6.05	2.00	0.32	0.20	1.68	
17	9.00	5.35	188.80	13.50	21.80	50.85	18.45	5.70	2.00	0.40	0.16	1.68	
18	8.50	5.35	165.40	12.00	19.00	50.85	16.25	5.00	2.00	0.88	0.16	2.90	
19	7.10	6.05	118.90	10.50	16.25	47.70	15.70	4.70	2.30	1.20	0.24	3.80	
20	5.70	10.50	87.50	10.00	15.70	47.70	14.60	5.00	2.30	1.52	0.24	2.90	
21	5.35	17.35	84.50	9.50	25.30	34.95	11.50	4.70	2.00	1.52	0.28	2.60	
22	4.70	40.65	71.60	9.00	39.70	28.40	11.00	5.35	1.84	1.36	0.56	2.30	
23	4.10	41.60	50.85	8.50	48.75	32.40	10.50	4.70	1.68	1.20	0.36	1.84	
24	3.80	54.00	40.65	7.45	63.60	30.80	10.00	4.10	1.52	1.04	0.40	1.68	
25	4.40	80.00	33.20	10.00	56.40	23.20	9.50	3.50	1.20	1.04	0.40	1.52	
26	5.35	61.20	30.80	12.00	39.70	19.70	8.50	2.90	1.04	0.88	0.36	1.36	
27	5.70	43.50	28.40	12.00	31.60	19.00	12.50	2.90	1.04	0.88	0.32	1.20	
28	6.75	30.00	26.00	10.50	34.00	36.85	12.00	2.90	0.88	0.88	0.32	1.20	
29	19.00	20.40	23.20	9.00	41.60	93.50	10.50	3.20	0.88	0.72	0.32	1.04	
30	13.50	14.60	18.45	10.50	42.55	198.40	9.50	3.50	0.72	0.56		1.04	
31		15.70		27.60	115.20		9.50		0.72	0.32		0.72	
TOTAL	155.17	644.80	2563.59	388.75	960.90	1671.45	1055.15	186.40	72.72	21.84	13.64	150.68	7885.08 CMSDAY
MEAN	5.17	20.80	85.45	12.54	31.00	55.71	34.04	6.21	2.35	0.70	0.47	4.86	21.54 CMS
MAX	19.00	80.00	256.79	27.60	115.20	198.40	118.90	10.00	3.80	1.52	1.20	27.60	256.79 CMS
MIN	1.68	5.00	16.25	7.45	11.50	19.00	8.50	2.90	0.72	0.32	0.16	0.28	0.16 CMS
RUNOFF	13.407	55.711	221.494	33.588	83.022	144.413	91.165	16.105	6.283	1.887	1.178	13.019	681.271 MCM

MOMENTARY PEAK 466.50 CMS, AT 164.18 M (MSL), AT 16.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD 2.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 51.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

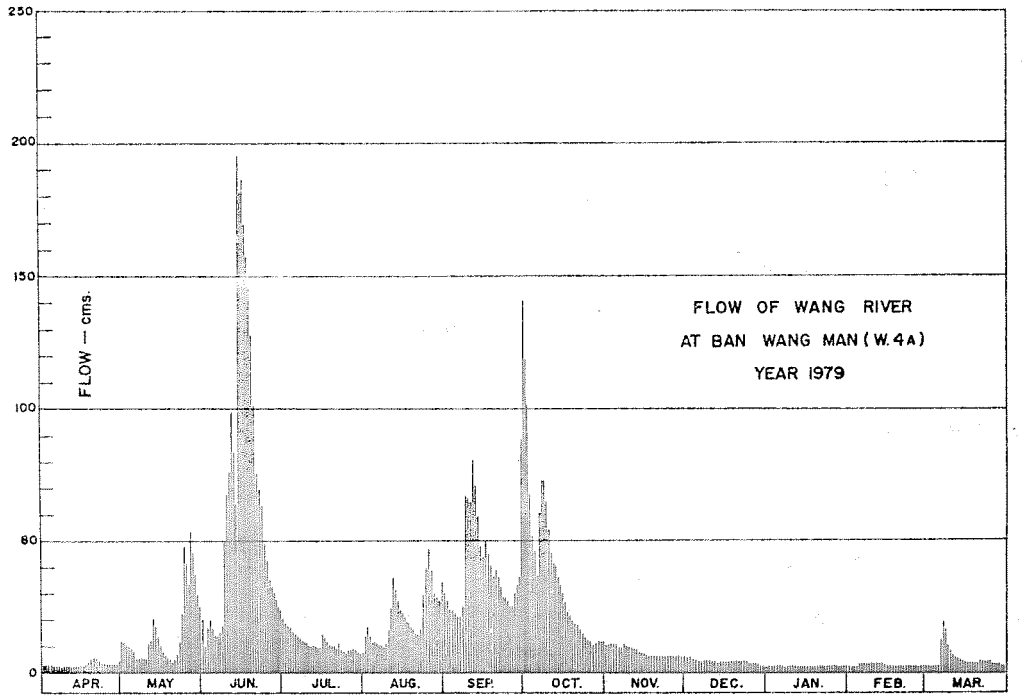
WANG RIVER AT BAN WANG MAN, TAK (W.4A)

LOCATION	LAT. 17°-12'-22" N., LONG. 99°-06'-08" E., ON RIGHT BANK ABOUT 200 METERS UPSTREAM FROM WANG MAN BRIDGE, AMPHOE SAM NGAO, TAK.
DRAINAGE AREA	10,507 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+130.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF WAT WANG MAN.
ELEVATION	+136.071 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1979. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 12,320 HECTARES.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	130.85	131.34	131.28	131.65	131.41	131.90	133.61	131.30	131.04	130.84	130.82	130.78	
2	130.84	131.28	131.49	131.59	131.55	131.77	133.14	131.30	131.01	130.82	130.81	130.78	
3	130.84	131.24	131.64	131.54	131.39	131.74	132.65	131.30	131.00	130.82	130.81	130.78	
4	130.84	131.26	131.53	131.50	131.33	131.72	132.36	131.30	130.99	130.82	130.83	130.78	
5	130.83	131.21	131.44	131.48	131.33	131.68	132.21	131.29	130.98	130.80	130.85	130.79	
6	130.82	131.13	131.45	131.45	131.31	131.67	132.07	131.28	130.97	130.82	130.86	131.38	
7	130.80	131.06	131.46	131.42	131.29	131.81	132.53	131.25	130.95	130.83	130.88	131.61	
8	130.80	131.03	131.58	131.39	131.26	132.33	132.73	131.24	130.95	130.84	130.90	131.51	
9	130.78	131.00	132.35	131.35	131.28	132.64	132.60	131.27	130.96	130.84	130.89	131.29	
10	130.78	131.32	132.67	131.32	131.47	132.61	132.46	131.25	130.95	130.83	130.89	131.16	
11	130.77	131.37	132.82	131.30	131.75	132.86	132.25	131.24	130.95	130.83	130.87	131.09	
12	130.76	131.65	133.12	131.28	131.99	132.82	132.17	131.23	130.94	130.81	130.86	131.05	
13	130.78	131.43	132.59	131.29	131.91	132.52	132.12	131.21	130.93	130.80	130.86	131.02	
14	130.82	131.29	134.19	131.31	131.81	132.36	132.01	131.19	130.94	130.80	130.85	131.00	
15	130.83	131.23	134.06	131.35	131.72	132.22	131.92	131.17	130.96	130.78	130.82	130.98	
16	130.83	131.16	134.10	131.43	131.68	132.36	131.83	131.15	130.97	130.78	130.82	130.92	
17	130.91	131.10	133.82	131.39	131.59	132.30	131.76	131.13	130.96	130.78	130.80	130.92	
18	130.97	131.04	133.70	131.33	131.58	132.16	131.67	131.12	130.95	130.78	130.79	130.91	
19	131.06	130.99	133.48	131.29	131.55	132.08	131.59	131.11	130.95	130.78	130.78	130.89	
20	131.07	131.07	133.14	131.27	131.48	132.13	131.56	131.10	130.94	130.79	130.78	130.89	
21	131.02	131.26	132.77	131.24	131.44	132.07	131.56	131.10	130.95	130.79	130.77	130.94	
22	130.98	131.35	132.67	131.33	131.51	131.98	131.49	131.09	130.96	130.82	130.77	130.95	
23	130.94	131.72	132.57	131.22	131.87	131.84	131.42	131.09	130.96	130.86	130.77	130.95	
24	130.92	132.29	132.32	131.19	132.05	131.84	131.40	131.09	130.95	130.86	130.77	130.90	
25	130.89	131.99	132.15	131.17	132.29	131.79	131.37	131.09	130.92	130.86	130.81	130.88	
26	130.88	132.40	132.03	131.21	132.27	131.78	131.32	131.08	130.89	130.86	130.81	130.87	
27	130.88	132.25	131.94	131.26	132.06	131.88	131.30	131.08	130.88	130.85	130.80	130.86	
28	130.86	132.07	131.86	131.25	131.88	131.97	131.33	131.08	130.85	130.85	130.80	130.84	
29	130.87	131.87	131.79	131.22	131.83	132.05	131.37	131.07	130.84	130.85	130.78	130.82	
30	130.98	131.63	131.74	131.17	131.93	132.96	131.38	131.07	130.84	130.83		130.80	
31		131.41		131.15	132.00		131.32		130.84	130.82		130.80	
MEAN	130.87	131.43	132.46	131.33	131.67	132.13	131.95	131.18	130.94	130.82	130.82	130.97	
MAX	131.07	132.40	134.19	131.65	132.29	132.96	133.61	131.30	131.04	130.86	130.90	131.61	134.19
MIN	130.76	130.99	131.28	131.15	131.26	131.67	131.30	131.07	130.84	130.78	130.77	130.78	130.76

ANNUAL MAX MOMENTARY GAGE HEIGHT 134.63 M (MSL), AT 12.00 HOURS, ON JUN 14, 1979
ZERO GAGE AT BOTTOM ELEVATION 130.00 M (MSL), RIVER BED 130.41 M (MSL)
LEFT BANK ELEVATION 136.01 M (MSL)
RIGHT BANK ELEVATION 135.90 M (MSL), DRAINAGE AREA 10507 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.60	11.50	10.00	20.50	13.30	30.00	139.90	10.50	5.10	2.48	2.24	1.95	
2	2.48	10.00	15.70	18.70	17.50	24.80	101.20	10.50	4.65	2.24	2.12	1.95	
3	2.48	9.00	20.20	17.20	12.75	23.60	68.00	10.50	4.50	2.24	2.12	1.95	
4	2.48	9.50	16.90	16.00	11.25	22.80	51.00	10.50	4.37	2.24	2.36	1.95	
5	2.36	8.25	14.20	15.40	11.25	21.40	43.50	10.25	4.24	2.00	2.60	1.95	
6	2.24	6.60	14.50	14.50	10.75	21.10	36.80	10.00	4.11	2.24	2.72	12.50	
7	2.00	5.40	14.80	13.60	10.25	26.40	60.80	9.25	3.85	2.36	2.96	19.30	
8	2.00	4.95	18.40	12.75	9.50	49.50	72.80	9.00	3.85	2.48	3.20	16.30	
9	1.95	4.50	50.50	11.75	10.00	67.40	65.00	9.75	3.98	2.48	3.08	10.25	
10	1.95	11.00	69.20	11.00	15.10	65.60	56.60	9.25	3.85	2.36	3.08	7.20	
11	1.93	12.25	78.40	10.50	24.00	81.20	45.50	9.00	3.85	2.36	2.84	5.85	
12	1.90	20.50	99.60	10.00	33.60	78.40	41.50	8.75	3.72	2.12	2.72	5.25	
13	1.95	13.90	64.40	10.25	30.40	60.20	39.00	8.25	3.59	2.00	2.72	4.80	
14	2.24	10.25	195.00	10.75	26.40	51.00	34.40	7.80	3.72	2.00	2.60	4.50	
15	2.36	8.75	182.00	11.75	22.80	44.00	30.80	7.40	3.98	1.95	2.24	4.24	
16	2.36	7.20	186.00	13.90	21.40	51.00	27.20	7.00	4.11	1.95	2.24	3.46	
17	3.32	6.00	158.80	12.75	18.70	48.00	24.40	6.60	3.98	1.95	2.00	3.46	
18	4.11	5.10	148.00	11.25	18.40	41.00	21.10	6.40	3.85	1.95	1.97	3.33	
19	5.40	4.37	128.40	10.25	17.50	37.20	18.70	6.20	3.85	1.95	1.95	3.08	
20	5.55	5.55	101.20	9.75	15.40	39.50	17.80	6.00	3.72	1.97	1.95	3.08	
21	4.80	9.50	75.20	9.00	14.20	36.80	17.80	6.00	3.85	1.97	1.93	3.72	
22	4.24	11.75	69.20	11.25	16.30	33.20	15.70	5.85	3.98	2.24	1.93	3.85	
23	3.72	22.80	63.20	8.50	28.80	27.60	13.60	5.85	3.98	2.72	1.93	3.85	
24	3.46	47.50	49.00	7.80	36.00	27.60	13.00	5.85	3.85	2.72	1.93	3.20	
25	3.08	33.60	40.50	7.40	47.50	25.60	12.25	5.85	3.46	2.72	2.12	2.96	
26	2.96	53.00	35.20	8.25	46.50	25.20	11.00	5.70	3.08	2.72	2.12	2.84	
27	2.96	45.50	31.60	9.50	36.40	29.20	10.50	5.70	2.96	2.60	2.00	2.72	
28	2.72	36.80	28.40	9.25	29.20	32.80	11.25	5.70	2.60	2.60	2.00	2.48	
29	2.84	28.80	25.60	8.50	27.20	36.00	12.25	5.55	2.48	2.60	1.95	2.24	
30	4.24	19.90	23.60	7.40	31.20	88.20	12.50	5.55	2.48	2.36		2.00	
31		13.30		7.00	34.00		11.00		2.48	2.24		2.00	
TOTAL	88.69	497.02	2027.70	356.40	697.55	1246.30	1136.85	230.50	116.07	70.81	67.62	148.21	6683.71 CMSDAY
MEAN	2.96	16.03	67.59	11.50	22.50	41.54	36.67	7.68	3.74	2.28	2.33	4.78	18.26 CMS
MAX	5.55	53.00	195.00	20.50	47.50	88.20	139.90	10.50	5.10	2.72	3.20	19.30	195.00 CMS
MIN	1.90	4.37	10.00	7.00	9.50	21.10	10.50	5.55	2.48	1.95	1.93	1.95	1.90 CMS
RUNOFF	7.663	42.943	175.193	30.793	60.268	107.680	98.224	19.915	10.028	6.118	5.842	12.805	577.473 MCM

MOMENTARY PEAK 241.30 CMS, AT 134.63 M (MSL), AT 12.00 HOURS, ON JUN 14, 1979

RUNOFF YIELD 1.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 22.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

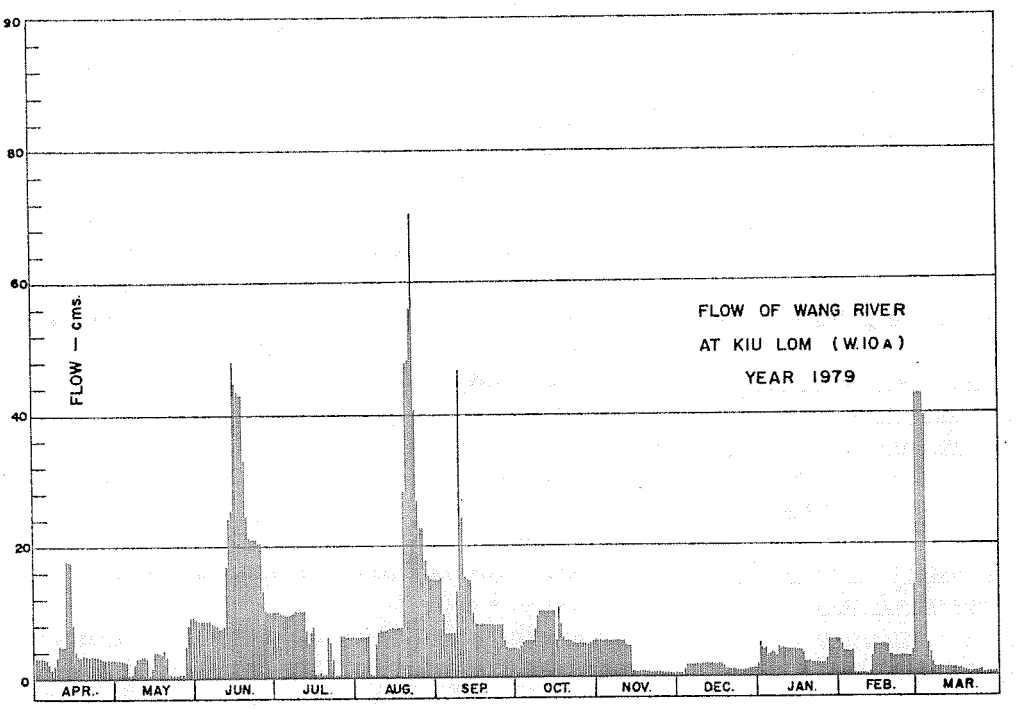
WANG RIVER AT KIU LOM, LAMPANG (W.10A)

LOCATION	LAT. 18°-31'-16" N., LONG. 99°-37'-52" E., ON LEFT BANK ABOUT 800 METERS DOWNSTREAM FROM KIU LOM DAMSITE, AMPHOE MUANG, LAMPANG.
DRAINAGE AREA	2,798 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+258.961 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+265.511 M. (M.S.L.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 09.00, 12.00 AND 15.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1979
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW IS UNDER CONSTRUCTION OF KIU LOM DAM.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	258.99	258.98	259.13	259.16	259.08	259.25	259.03	259.06	258.83	259.05	259.03	259.63	
2	258.99	258.98	259.13	259.16	259.08	259.25	259.03	259.06	258.83	259.02	259.01	259.63	
3	258.99	258.98	259.13	259.15	259.08	259.14	259.05	259.06	258.83	259.03	259.01	259.59	
4	258.98	258.97	259.13	259.15	259.08	259.09	259.06	259.06	258.93	258.99	259.01	259.04	
5	258.98	258.97	259.13	259.15	259.08	259.09	259.06	259.06	258.93	259.01	259.01	259.04	
6	258.88	258.82	259.13	259.15	258.87	259.09	259.06	259.06	258.93	259.01	258.75	258.94	
7	258.94	258.74	259.12	259.15	258.76	259.09	259.06	259.06	258.93	258.98	258.75	258.91	
8	258.94	258.92	259.12	259.16	259.05	259.21	259.13	259.06	258.93	259.03	258.75	258.91	
9	259.04	258.99	259.11	259.16	259.10	259.67	259.16	259.06	258.93	259.02	258.75	258.91	
10	259.05	258.99	259.11	259.16	259.10	259.40	259.16	259.06	258.93	259.02	258.75	258.90	
11	259.04	259.00	259.11	259.16	259.10	259.26	259.16	259.04	258.94	259.02	258.75	258.90	
12	259.30	259.00	259.27	259.16	259.10	259.25	259.16	259.04	258.94	259.02	258.85	258.90	
13	259.30	258.99	259.40	259.03	259.11	259.25	259.16	259.04	258.94	259.02	259.04	258.90	
14	259.30	258.76	259.42	259.09	259.11	259.16	259.16	258.87	258.94	259.02	259.04	258.90	
15	259.04	258.93	259.68	259.11	259.11	259.12	259.16	258.86	258.94	259.02	259.04	258.90	
16	259.00	259.02	259.64	258.76	259.11	259.12	259.07	258.86	258.94	259.02	259.04	258.90	
17	259.00	259.02	259.63	258.76	259.11	259.12	259.17	258.86	258.94	259.02	259.04	258.90	
18	259.00	259.01	259.63	258.89	259.11	259.12	259.09	258.86	258.94	258.95	259.04	258.87	
19	259.00	259.01	259.51	258.79	259.59	259.12	259.06	258.86	258.90	258.95	258.99	258.85	
20	259.00	259.02	259.40	258.77	259.68	259.12	259.06	258.86	258.90	258.95	258.99	258.85	
21	259.00	258.85	259.35	259.08	259.69	259.12	259.06	258.85	258.90	258.94	258.99	258.85	
22	259.00	258.77	259.35	259.05	259.89	259.12	259.05	258.85	258.90	258.94	258.99	258.85	
23	259.00	258.77	259.35	258.76	259.68	259.12	259.05	258.85	258.90	258.94	258.99	258.85	
24	259.00	258.78	259.34	258.76	259.45	259.12	259.05	258.85	258.89	258.94	258.99	258.88	
25	258.99	258.78	259.34	258.76	259.38	259.12	259.05	258.85	258.89	258.94	258.99	258.84	
26	258.98	258.78	259.22	259.08	259.38	259.06	259.05	258.85	258.89	258.94	258.99	258.84	
27	258.98	258.78	259.16	259.08	259.30	259.03	259.05	258.84	258.89	259.06	258.99	258.84	
28	258.97	259.11	259.16	259.08	259.26	259.03	259.05	258.84	258.91	259.06	259.05	258.84	
29	258.98	259.14	259.16	259.08	259.25	259.03	259.05	258.84	258.91	259.06	259.63	258.84	
30	258.98	259.14	259.16	259.08	259.25	259.03	259.06	258.84	258.91	259.06		258.84	
31		259.14		259.08	259.25		259.06		258.91	259.06		258.84	
MEAN	259.02	258.94	259.28	259.03	259.23	259.16	259.08	258.94	258.91	259.00	258.97	258.96	
MAX	259.30	259.14	259.68	259.16	259.89	259.67	259.17	259.06	258.94	259.06	259.63	259.63	259.89
MIN	258.88	258.74	259.11	258.76	258.76	259.03	259.03	258.84	258.83	258.94	258.75	258.84	258.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 259.89 M (MSL), AT 9.00 HOURS, ON AUG 23, 1979
ZERO GAGE AT BOTTOM ELEVATION 258.96 M (MSL), RIVER BED 258.16 M (MSL)
LEFT BANK ELEVATION 269.23 M (MSL)
RIGHT BANK ELEVATION 269.33 M (MSL), DRAINAGE AREA 2798 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.98	2.76	8.50	10.00	6.24	14.80	4.34	5.48	0.30	5.10	4.34	42.94	
2	2.98	2.76	8.50	10.00	6.24	14.80	4.34	5.48	0.30	3.96	3.58	42.94	
3	2.98	2.76	8.50	9.50	6.24	9.00	5.10	5.48	0.30	4.34	3.58	39.17	
4	2.76	2.54	8.50	9.50	6.24	6.62	5.48	5.48	1.66	2.98	3.58	4.72	
5	2.76	2.54	8.50	9.50	6.24	6.62	5.48	5.48	1.66	3.58	3.58	4.72	
6	0.80	0.20	8.50	9.50	0.70	6.62	5.48	5.48	1.66	3.58	0.00	1.88	
7	1.88	0.00	8.00	9.50	0.00	6.62	5.48	5.48	1.66	2.76	0.00	1.22	
8	1.88	1.44	8.00	10.00	5.10	12.56	8.50	5.48	1.66	4.34	0.00	1.22	
9	4.72	2.98	7.50	10.00	7.00	46.86	10.00	5.48	1.66	3.96	0.00	1.22	
10	5.10	2.98	7.50	10.00	7.00	24.10	10.00	5.48	1.66	3.96	0.00	1.00	
11	4.72	3.20	7.50	10.00	7.00	15.36	10.00	4.72	1.88	3.96	0.00	1.00	
12	17.60	3.20	15.92	10.00	7.00	14.80	10.00	4.72	1.88	3.96	0.50	1.00	
13	17.60	2.98	24.10	4.34	7.50	14.80	10.00	4.72	1.88	3.96	4.72	1.00	
14	17.60	0.00	25.64	6.62	7.50	10.00	10.00	0.70	1.88	3.96	4.72	1.00	
15	4.72	1.66	47.84	7.50	7.50	8.00	10.00	0.60	1.88	3.96	4.72	1.00	
16	3.20	3.96	43.92	0.00	7.50	8.00	5.86	0.60	1.88	3.96	4.72	1.00	
17	3.20	3.96	42.94	0.00	7.50	8.00	10.50	0.60	1.88	3.96	4.72	1.00	
18	3.20	3.58	42.94	0.90	7.50	8.00	6.62	0.60	1.88	2.10	4.72	0.70	
19	3.20	3.58	32.62	0.00	39.17	8.00	5.48	0.60	1.00	2.10	2.98	0.50	
20	3.20	3.96	24.10	0.00	47.84	8.00	5.48	0.60	1.00	2.10	2.98	0.50	
21	3.20	0.50	20.85	6.24	48.82	8.00	5.48	0.50	1.00	1.88	2.98	0.50	
22	3.20	0.00	20.85	5.10	70.26	8.00	5.10	0.50	1.00	1.88	2.98	0.50	
23	3.20	0.00	20.85	0.00	47.84	8.00	5.10	0.50	1.00	1.88	2.98	0.50	
24	3.20	0.00	20.20	0.00	27.95	8.00	5.10	0.50	0.90	1.88	2.98	0.80	
25	2.98	0.00	20.20	0.00	22.80	8.00	5.10	0.50	0.90	1.88	2.98	0.40	
26	2.76	0.00	13.12	6.24	22.80	5.48	5.10	0.50	0.90	1.88	2.98	0.40	
27	2.76	0.00	10.00	6.24	17.60	4.34	5.10	0.40	0.90	5.48	2.98	0.40	
28	2.98	7.50	10.00	6.24	15.36	4.34	5.10	0.40	1.22	5.48	5.10	0.40	
29	2.76	9.00	10.00	6.24	14.80	4.34	5.10	0.40	1.22	5.48	42.94	0.40	
30	2.76	9.00	10.00	6.24	14.80	4.34	5.48	0.40	1.22	5.48		0.40	
31		9.00		6.24	14.80		5.48		1.22	5.48		0.40	
TOTAL	136.88	86.04	545.59	185.64	514.84	314.40	205.38	77.86	41.04	111.26	122.34	154.83	2496.10 CMSDAY
MEAN	4.56	2.78	18.19	5.99	16.61	10.48	6.63	2.60	1.32	3.59	4.22	4.99	6.82 CMS
MAX	17.60	9.00	47.84	10.00	70.26	46.86	10.50	5.48	1.88	5.48	42.94	42.94	70.26 CMS
MIN	0.80	0.00	7.50	0.00	0.00	4.34	4.34	0.40	0.30	1.88	0.00	0.40	0.00 CMS
RUNOFF	11.826	7.434	47.139	16.039	44.482	27.164	17.745	6.727	3.546	9.613	10.570	13.377	215.663 MCM

MOMENTARY PEAK 70.26 CMS, AT 259.89 M (MSL), AT 9.00 HOURS, ON AUG 23, 1979

RUNOFF YIELD 2.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

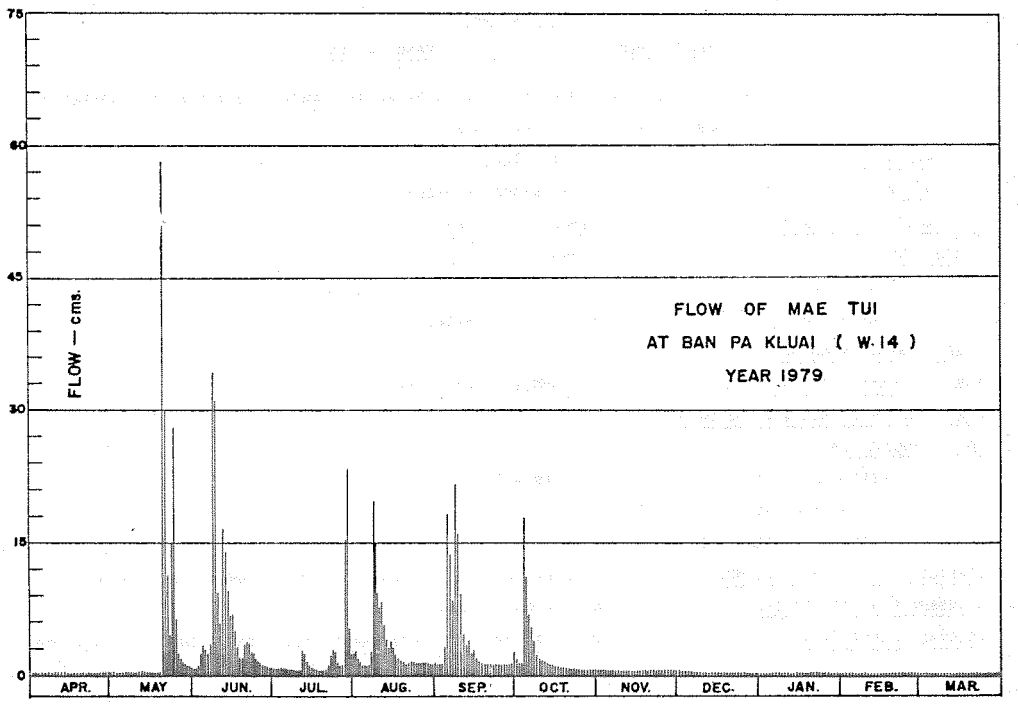
MAE TUI AT BAN PA KLUAI, LAMPANG (W.14)

LOCATION	LAT. 18°-28'-00" N., LONG. 99°-27'-46" E., ON RIGHT BANK AT BAN PA KLUAI, AMPHOE MUANG LAMPANG.
DRAINAGE AREA	634 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK ABOUT 22 METERS FROM THE TOP STAFF GAGE AND ABOUT 4.40 METERS FROM LAM MUANG.
ELEVATION	+5.483 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.12	-0.07	0.13	0.12	0.46	0.27	0.40	0.04	0.02	-0.12	-0.14	-0.14	
2	-0.12	-0.07	0.12	0.11	0.35	0.24	0.28	0.04	0.02	-0.12	-0.14	-0.14	
3	-0.11	-0.08	0.33	0.11	0.29	0.26	0.26	0.03	0.03	-0.13	-0.14	-0.14	
4	-0.10	-0.09	0.54	0.12	0.22	0.54	1.21	0.03	0.02	-0.13	-0.14	-0.14	
5	-0.12	-0.09	0.49	0.11	0.21	1.22	0.97	0.03	0.00	-0.13	-0.14	-0.14	
6	-0.11	-0.10	0.41	0.09	0.19	1.06	0.74	0.02	-0.02	-0.13	-0.14	-0.14	
7	-0.11	-0.10	0.52	0.07	0.43	0.84	0.66	0.01	-0.03	-0.13	-0.14	-0.14	
8	-0.10	-0.04	1.62	0.05	1.26	1.31	0.47	0.01	-0.04	-0.13	-0.14	-0.14	
9	-0.11	-0.06	1.54	0.05	1.06	1.17	0.38	0.01	-0.04	-0.13	-0.14	-0.14	
10	-0.11	-0.11	0.90	0.03	0.77	0.88	0.34	0.04	-0.05	-0.14	-0.14	-0.14	
11	-0.10	-0.03	0.68	-0.03	0.84	0.66	0.32	0.05	-0.06	-0.14	-0.14	-0.14	
12	-0.10	0.04	1.16	0.47	0.72	0.53	0.29	0.05	-0.06	-0.14	-0.14	-0.14	
13	-0.10	0.01	1.08	0.43	0.58	0.58	0.25	0.05	-0.07	-0.14	-0.14	-0.14	
14	-0.10	-0.02	0.86	0.24	0.49	0.45	0.23	0.05	-0.07	-0.14	-0.14	-0.13	
15	-0.10	-0.04	0.75	0.16	0.56	0.49	0.20	0.05	-0.09	-0.14	-0.14	-0.13	
16	-0.10	-0.04	0.76	0.10	0.45	0.39	0.19	0.05	-0.13	-0.14	-0.14	-0.14	
17	-0.11	-0.05	0.54	0.07	0.38	0.33	0.17	0.05	-0.10	-0.14	-0.14	-0.14	
18	-0.11	-0.05	0.42	0.06	0.33	0.29	0.14	0.03	-0.12	-0.14	-0.14	-0.13	
19	-0.11	-0.09	0.31	0.04	0.31	0.24	0.12	0.03	-0.13	-0.14	-0.14	-0.13	
20	-0.11	2.03	0.55	0.03	0.27	0.23	0.10	0.03	-0.13	-0.14	-0.15	-0.12	
21	-0.11	1.58	0.56	0.02	0.27	0.26	0.13	0.04	-0.13	-0.14	-0.15	-0.12	
22	-0.11	0.97	0.54	0.27	0.30	0.24	0.11	0.04	-0.13	-0.14	-0.14	-0.11	
23	-0.09	0.61	0.43	0.45	0.31	0.31	0.10	0.03	-0.13	-0.14	-0.14	-0.12	
24	-0.09	1.47	0.43	0.50	0.28	0.25	0.09	0.04	-0.13	-0.14	-0.14	-0.12	
25	-0.10	0.74	0.30	0.29	0.26	0.22	0.08	0.05	-0.13	-0.14	-0.15	-0.12	
26	-0.10	0.48	0.25	0.22	0.26	0.24	0.06	0.04	-0.13	-0.14	-0.15	-0.12	
27	-0.09	0.36	0.20	0.17	0.29	0.28	0.05	0.03	-0.13	-0.14	-0.15	-0.12	
28	-0.07	0.27	0.18	0.85	0.30	0.27	0.05	0.03	-0.12	-0.14	-0.15	-0.12	
29	-0.08	0.22	0.16	1.36	0.26	0.25	0.05	0.03	-0.12	-0.14	-0.14	-0.12	
30	-0.07	0.17	0.13	0.66	0.22	0.45	0.05	0.02	-0.12	-0.14		-0.12	
31		0.15		0.42	0.29		0.05		-0.12	-0.14		-0.12	
MEAN	-0.10	0.26	0.56	0.25	0.43	0.49	0.28	0.03	-0.08	-0.14	-0.14	-0.13	
MAX	-0.07	2.03	1.62	1.36	1.26	1.31	1.21	0.05	0.03	-0.12	-0.14	-0.11	2.03
MIN	-0.12	-0.11	0.12	-0.03	0.19	0.22	0.05	0.01	-0.13	-0.14	-0.15	-0.14	-0.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.29 M (A.D), AT 12.00 HOURS, ON MAY 20, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.49 M (A.D)
LEFT BANK ELEVATION 7.11 M (A.D)
RIGHT BANK ELEVATION 5.69 M (A.D), DRAINAGE AREA 634 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.26	0.82	0.78	2.64	1.38	2.10	0.52	0.46	0.16	0.12	0.12	
2	0.16	0.26	0.78	0.74	1.80	1.26	1.42	0.52	0.46	0.16	0.12	0.12	
3	0.18	0.24	1.68	0.74	1.46	1.34	1.34	0.49	0.49	0.14	0.12	0.12	
4	0.20	0.22	3.48	0.78	1.18	3.48	17.85	0.49	0.46	0.14	0.12	0.12	
5	0.16	0.22	2.91	0.74	1.14	18.20	11.08	0.49	0.40	0.14	0.12	0.12	
6	0.18	0.20	2.19	0.67	1.06	13.42	6.42	0.46	0.36	0.14	0.12	0.12	
7	0.18	0.20	3.24	0.61	2.37	8.26	5.10	0.43	0.34	0.14	0.12	0.12	
8	0.20	0.32	34.34	0.55	19.60	21.40	2.73	0.43	0.32	0.14	0.12	0.12	
9	0.18	0.28	30.72	0.55	13.42	16.60	1.98	0.43	0.32	0.14	0.12	0.12	
10	0.18	0.18	9.40	0.49	6.96	9.02	1.74	0.52	0.30	0.12	0.12	0.12	
11	0.20	0.34	5.40	0.34	8.26	5.10	1.62	0.55	0.28	0.12	0.12	0.12	
12	0.20	0.52	16.30	2.73	6.06	3.36	1.46	0.55	0.28	0.12	0.12	0.12	
13	0.20	0.43	13.96	2.37	3.96	3.96	1.30	0.55	0.26	0.12	0.12	0.12	
14	0.20	0.36	8.64	1.26	2.91	2.55	1.22	0.55	0.26	0.12	0.12	0.14	
15	0.20	0.32	6.60	0.94	3.72	2.91	1.10	0.55	0.22	0.12	0.12	0.14	
16	0.20	0.32	6.78	0.70	2.55	2.04	1.06	0.55	0.14	0.12	0.12	0.12	
17	0.18	0.30	3.48	0.61	1.98	1.68	0.98	0.55	0.20	0.12	0.12	0.12	
18	0.18	0.30	2.28	0.58	1.68	1.46	0.86	0.49	0.16	0.12	0.12	0.14	
19	0.18	0.22	1.56	0.52	1.56	1.26	0.78	0.49	0.14	0.12	0.12	0.14	
20	0.18	58.04	3.60	0.49	1.38	1.22	0.70	0.49	0.14	0.12	0.10	0.16	
21	0.18	32.44	3.72	0.46	1.38	1.34	0.82	0.52	0.14	0.12	0.10	0.16	
22	0.18	11.08	3.48	1.38	1.50	1.26	0.74	0.52	0.14	0.12	0.12	0.18	
23	0.22	4.35	2.37	2.55	1.56	1.56	0.70	0.49	0.14	0.12	0.12	0.16	
24	0.22	27.80	2.37	3.00	1.42	1.30	0.67	0.52	0.14	0.12	0.12	0.16	
25	0.20	6.42	1.50	1.46	1.34	1.18	0.64	0.55	0.14	0.12	0.10	0.16	
26	0.20	2.82	1.30	1.18	1.34	1.26	0.58	0.52	0.14	0.12	0.10	0.16	
27	0.22	1.86	1.10	0.98	1.46	1.42	0.55	0.49	0.14	0.12	0.10	0.16	
28	0.26	1.38	1.02	8.45	1.50	1.38	0.55	0.49	0.16	0.12	0.10	0.16	
29	0.24	1.18	0.94	23.40	1.34	1.30	0.55	0.49	0.16	0.12	0.12	0.16	
30	0.26	0.98	0.82	5.10	1.18	2.55	0.55	0.46	0.16	0.12		0.16	
31		0.90		2.28	1.46		0.55		0.16	0.12		0.16	
TOTAL	5.88	154.74	176.78	67.43	101.17	134.45	69.74	15.15	7.61	3.94	3.36	4.30	744.55 CMSDAY
MEAN	0.20	4.99	5.89	2.18	3.26	4.48	2.25	0.50	0.25	0.13	0.12	0.14	2.03 CMS
MAX	0.26	58.04	34.34	23.40	19.60	21.40	17.85	0.55	0.49	0.16	0.12	0.18	58.04 CMS
MIN	0.16	0.18	0.78	0.34	1.06	1.18	0.55	0.43	0.14	0.12	0.10	0.12	0.10 CMS
RUNOFF	0.508	13.370	15.274	5.826	8.741	11.616	6.026	1.309	0.658	0.340	0.290	0.372	64.329 MCM

MOMENTARY PEAK 182.70 CMS, AT 3.29 M (A.D), AT 12.00 HOURS, ON MAY 20, 1979

RUNOFF YIELD 3.21 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 288.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

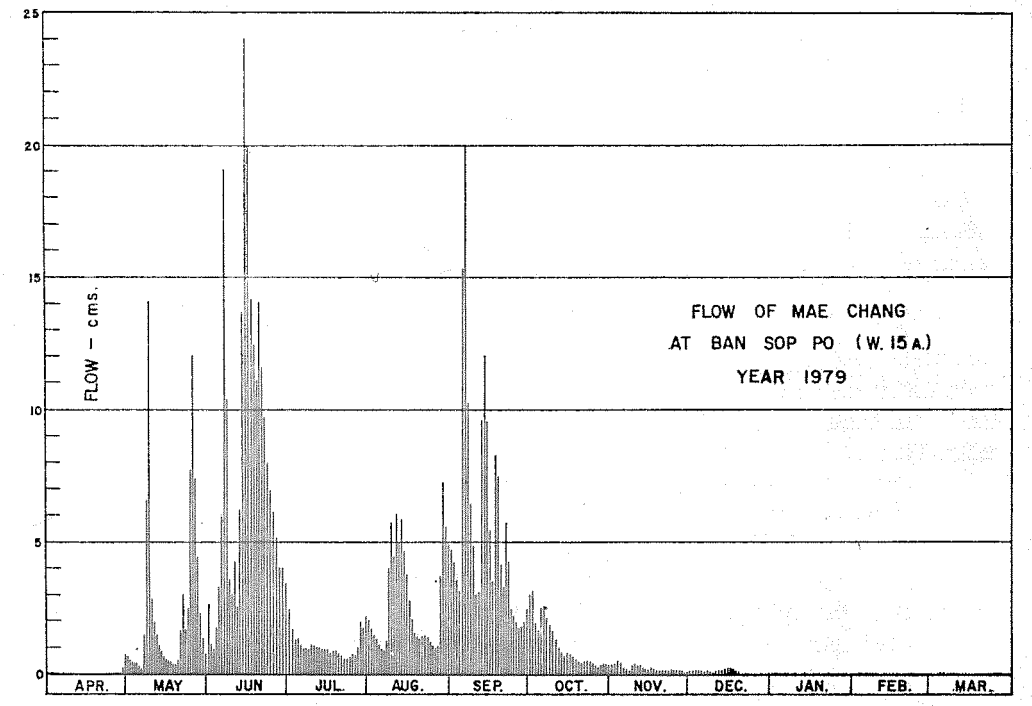
MAE CHANG RIVER AT BAN SOP PO, LAMPANG (W.15A)

LOCATION	LAT. 18°-08'-09" N., LONG. 99°-34'-51" E., ON RIGHT BANK ABOUT 1.5 KILOMETERS UPSTREAM FROM BAN SOP PO, AMPHOE MAE THA, LAMPANG.
DRAINAGE AREA	1,119 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+240.120 M. (M.S.L.)
BENCH MARK	B.M-H.S.
LOCATION	INFRONT OF THE CAMP OF W.15 STATION.
ELEVATION	+251.695 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 903 DISCHARGE MEASUREMENTS MADE DURING 1970-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	240.58	240.84	241.09	241.10	241.03	241.26	241.12	240.72	240.63	240.42	240.35	240.30	
2	240.58	240.80	240.93	241.05	240.99	241.23	241.13	240.75	240.64	240.42	240.35	240.28	
3	240.58	240.77	240.86	240.98	240.96	241.19	241.04	240.76	240.64	240.42	240.35	240.28	
4	240.57	240.76	241.03	240.92	240.92	241.12	240.98	240.79	240.63	240.41	240.34	240.26	
5	240.57	240.75	241.13	240.93	240.89	241.38	241.08	240.75	240.62	240.40	240.34	240.27	
6	240.57	240.71	241.36	240.90	240.85	241.95	241.09	240.70	240.61	240.40	240.34	240.27	
7	240.57	240.67	241.91	240.88	240.89	241.70	241.04	240.68	240.61	240.40	240.34	240.25	
8	240.57	241.03	241.36	240.88	241.16	241.41	241.02	240.65	240.63	240.39	240.34	240.24	
9	240.57	241.72	241.16	240.87	241.32	241.30	240.99	240.74	240.62	240.38	240.34	240.22	
10	240.56	241.16	241.12	240.91	241.23	241.22	240.97	240.75	240.62	240.37	240.34	240.24	
11	240.56	241.03	241.21	240.90	241.34	241.12	240.92	240.73	240.63	240.36	240.34	240.24	
12	240.56	240.95	241.08	240.90	241.27	241.14	240.87	240.74	240.64	240.36	240.35	240.24	
13	240.55	240.89	241.50	240.88	241.33	241.53	240.85	240.70	240.66	240.35	240.35	240.24	
14	240.55	240.85	241.86	240.87	241.24	241.63	240.82	240.68	240.69	240.35	240.34	240.24	
15	240.55	240.81	242.08	240.87	241.17	241.54	240.84	240.67	240.69	240.36	240.34	240.25	
16	240.55	240.79	241.96	240.87	241.11	241.29	240.84	240.69	240.68	240.35	240.34	240.25	
17	240.55	240.77	241.68	240.84	241.03	241.16	240.82	240.67	240.66	240.35	240.34	240.24	
18	240.55	240.75	241.63	240.86	240.98	241.46	240.81	240.66	240.66	240.36	240.34	240.24	
19	240.54	240.72	241.59	240.87	240.95	241.42	240.78	240.65	240.63	240.35	240.34	240.24	
20	240.53	240.79	241.70	240.84	240.94	241.21	240.77	240.63	240.60	240.35	240.34	240.24	
21	240.53	240.94	241.58	240.83	240.96	241.15	240.76	240.63	240.58	240.34	240.33	240.22	
22	240.53	241.12	241.52	240.81	240.95	241.32	240.77	240.64	240.54	240.34	240.34	240.22	
23	240.52	240.99	241.44	240.79	240.95	241.19	240.78	240.63	240.53	240.35	240.34	240.21	
24	240.53	241.08	241.39	240.81	240.92	241.07	240.76	240.66	240.51	240.35	240.33	240.21	
25	240.52	241.50	241.35	240.84	240.89	241.04	240.73	240.65	240.49	240.33	240.31	240.20	
26	240.53	241.62	241.32	240.84	240.89	241.02	240.72	240.65	240.47	240.34	240.30	240.18	
27	240.54	241.37	241.28	240.83	240.89	241.00	240.71	240.63	240.45	240.35	240.30	240.17	
28	240.57	241.12	241.20	240.92	241.23	241.01	240.73	240.63	240.43	240.35	240.31	240.15	
29	240.58	241.03	241.20	241.02	241.41	241.02	240.75	240.61	240.42	240.34	240.30	240.11	
30	240.82	240.94	241.15	241.00	241.31	241.06	240.73	240.62	240.42	240.34		240.10	
31		240.83		241.04	241.27		240.75		240.42	240.35		240.13	
MEAN	240.56	240.97	241.39	240.90	241.07	241.27	240.87	240.68	240.58	240.37	240.33	240.22	
MAX	240.82	241.72	242.08	241.10	241.41	241.95	241.13	240.79	240.69	240.42	240.35	240.30	242.08
MIN	240.52	240.67	240.86	240.79	240.85	241.00	240.71	240.61	240.42	240.33	240.30	240.10	240.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 242.74 M (MSL), AT 1.00 HOURS, ON JUL 17, 1979
ZERO GAGE AT BOTTOM ELEVATION 240.12 M (MSL), RIVER BED 239.92 M (MSL)
LEFT BANK ELEVATION 251.30 M (MSL)
RIGHT BANK ELEVATION 251.68 M (MSL), DRAINAGE AREA 1119 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.79	2.62	2.72	2.03	4.82	2.98	0.32	0.11	0.00	0.00	0.00	
2	0.03	0.59	1.29	2.22	1.67	4.41	3.10	0.42	0.13	0.00	0.00	0.00	
3	0.03	0.49	0.90	1.60	1.48	3.87	2.13	0.45	0.13	0.00	0.00	0.00	
4	0.02	0.45	2.03	1.23	1.23	2.98	1.60	0.56	0.11	0.00	0.00	0.00	
5	0.02	0.42	3.10	1.29	1.05	6.75	2.52	0.42	0.09	0.00	0.00	0.00	
6	0.02	0.28	6.40	1.10	0.84	20.57	2.62	0.25	0.07	0.00	0.00	0.00	
7	0.02	0.19	19.43	1.00	1.05	13.70	2.13	0.21	0.07	0.00	0.00	0.00	
8	0.02	2.03	6.40	1.00	3.49	7.29	1.93	0.15	0.11	0.00	0.00	0.00	
9	0.02	14.22	3.49	0.95	5.71	5.36	1.67	0.39	0.09	0.00	0.00	0.00	
10	0.01	3.49	2.98	1.16	4.41	4.27	1.54	0.42	0.09	0.00	0.00	0.00	
11	0.01	2.03	4.14	1.10	6.06	2.98	1.23	0.35	0.11	0.00	0.00	0.00	
12	0.01	1.41	2.52	1.10	4.95	3.23	0.95	0.39	0.13	0.00	0.00	0.00	
13	0.00	1.05	9.00	1.00	5.88	9.66	0.84	0.25	0.17	0.00	0.00	0.00	
14	0.00	0.84	18.01	0.95	4.54	11.95	0.69	0.21	0.23	0.00	0.00	0.00	
15	0.00	0.64	24.32	0.95	3.62	9.88	0.79	0.19	0.23	0.00	0.00	0.00	
16	0.00	0.56	20.86	0.95	2.85	5.22	0.79	0.23	0.21	0.00	0.00	0.00	
17	0.00	0.49	13.20	0.79	2.03	3.49	0.69	0.19	0.17	0.00	0.00	0.00	
18	0.00	0.42	11.95	0.90	1.60	8.24	0.64	0.17	0.17	0.00	0.00	0.00	
19	0.00	0.32	10.98	0.95	1.41	7.48	0.52	0.15	0.11	0.00	0.00	0.00	
20	0.00	0.56	13.70	0.79	1.35	4.14	0.49	0.11	0.05	0.00	0.00	0.00	
21	0.00	1.35	10.76	0.74	1.48	3.36	0.45	0.11	0.03	0.00	0.00	0.00	
22	0.00	2.98	9.44	0.64	1.41	5.71	0.49	0.13	0.00	0.00	0.00	0.00	
23	0.00	1.67	7.86	0.56	1.41	3.87	0.52	0.11	0.00	0.00	0.00	0.00	
24	0.00	2.52	6.93	0.64	1.23	2.42	0.45	0.17	0.00	0.00	0.00	0.00	
25	0.00	9.00	6.23	0.79	1.05	2.13	0.35	0.15	0.00	0.00	0.00	0.00	
26	0.00	11.70	5.71	0.79	1.05	1.93	0.32	0.15	0.00	0.00	0.00	0.00	
27	0.00	6.58	5.09	0.74	1.05	1.73	0.28	0.11	0.00	0.00	0.00	0.00	
28	0.02	2.98	4.00	1.23	4.41	1.83	0.35	0.11	0.00	0.00	0.00	0.00	
29	0.03	2.03	4.00	1.93	7.29	1.93	0.42	0.07	0.00	0.00	0.00	0.00	
30	0.69	1.35	3.36	1.73	5.53	2.32	0.35	0.09	0.00	0.00		0.00	
31		0.74		2.13	4.95		0.42		0.00	0.00		0.00	
TOTAL	0.98	74.17	240.70	35.67	88.11	167.52	34.25	7.03	2.61	0.00	0.00	0.00	651.04 CMSDAY
MEAN	0.03	2.39	8.02	1.15	2.84	5.58	1.10	0.23	0.08	0.00	0.00	0.00	1.78 CMS
MAX	0.69	14.22	24.32	2.72	7.29	20.57	3.10	0.56	0.23	0.00	0.00	0.00	24.32 CMS
MIN	0.00	0.19	0.90	0.56	0.84	1.73	0.28	0.07	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.085	6.408	20.796	3.082	7.613	14.474	2.959	0.607	0.226	0.000	0.000	0.000	56.250 MCM

MOMENTARY PEAK 54.22 CMS, AT 242.74 M (MSL), AT 1.00 HOURS, ON JUL 17, 1979

RUNOFF YIELD 1.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 48.45 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

WANG RIVER BASIN

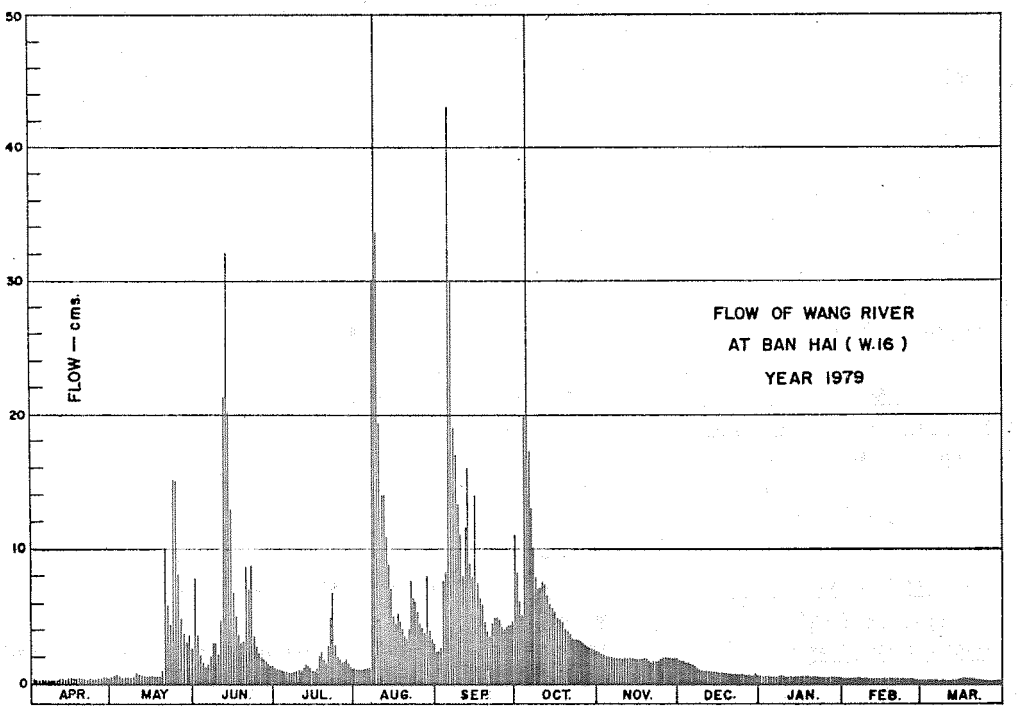
WANG RIVER AT BAN HAI, LAMPANG (W.16)

LOCATION	LAT. 18°-48'-12" N., LONG. 99°-38'-45" E., ON RIGHT BANK AT BAN HAI, AMPHOE CHAE HOM, LAMPANG.
DRAINAGE AREA	1,284 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.676 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.34	0.95	0.52	0.50	0.61	1.01	0.63	0.56	0.39	0.35	0.30	
2	0.28	0.40	0.72	0.48	0.49	0.64	0.90	0.61	0.55	0.39	0.35	0.30	
3	0.28	0.41	0.61	0.48	0.49	0.94	0.81	0.60	0.55	0.39	0.34	0.31	
4	0.28	0.37	0.56	0.49	0.48	0.97	1.31	0.60	0.54	0.39	0.35	0.30	
5	0.28	0.36	0.51	0.47	0.51	1.96	2.09	0.59	0.54	0.38	0.34	0.31	
6	0.28	0.36	0.53	0.46	0.51	1.77	1.32	0.58	0.53	0.38	0.34	0.31	
7	0.28	0.36	0.60	0.46	0.93	1.37	1.08	0.58	0.52	0.39	0.34	0.29	
8	0.28	0.37	0.68	0.46	2.24	1.31	0.96	0.58	0.49	0.39	0.34	0.29	
9	0.28	0.38	0.68	0.45	1.80	1.19	0.91	0.58	0.47	0.38	0.34	0.29	
10	0.27	0.44	0.60	0.49	1.39	1.01	0.92	0.58	0.47	0.37	0.34	0.28	
11	0.31	0.43	0.79	0.50	1.20	1.04	0.93	0.58	0.47	0.38	0.34	0.28	
12	0.34	0.39	1.45	0.50	1.23	1.28	0.92	0.58	0.47	0.38	0.34	0.28	
13	0.30	0.39	1.73	0.53	1.02	1.01	0.87	0.58	0.45	0.38	0.34	0.28	
14	0.29	0.39	1.33	0.53	0.94	0.95	0.84	0.58	0.45	0.37	0.34	0.28	
15	0.32	0.38	1.08	0.49	0.82	1.23	0.83	0.57	0.44	0.37	0.33	0.30	
16	0.33	0.37	0.86	0.47	0.77	0.96	0.80	0.57	0.43	0.38	0.33	0.34	
17	0.33	0.36	0.74	0.46	0.82	0.88	0.79	0.57	0.43	0.37	0.33	0.33	
18	0.33	0.35	0.69	0.60	0.76	0.85	0.78	0.57	0.43	0.37	0.33	0.33	
19	0.32	0.38	0.67	0.62	0.73	0.78	0.75	0.57	0.42	0.37	0.34	0.33	
20	0.32	0.47	0.99	0.56	0.70	0.74	0.74	0.55	0.42	0.37	0.34	0.33	
21	0.30	1.07	0.90	0.54	0.76	0.71	0.72	0.55	0.41	0.37	0.33	0.31	
22	0.20	0.83	1.00	1.32	0.94	0.84	0.70	0.56	0.40	0.37	0.32	0.30	
23	0.31	0.76	0.73	0.89	0.87	0.86	0.70	0.56	0.40	0.37	0.32	0.29	
24	0.31	1.26	0.67	0.68	0.85	0.85	0.70	0.56	0.39	0.38	0.32	0.28	
25	0.31	1.24	0.62	0.60	0.78	0.77	0.69	0.58	0.39	0.36	0.31	0.28	
26	0.32	0.93	0.59	0.57	0.76	0.74	0.67	0.58	0.39	0.36	0.31	0.29	
27	0.32	0.80	0.57	0.54	0.73	0.76	0.66	0.58	0.39	0.36	0.31	0.29	
28	0.36	0.72	0.55	0.55	0.96	0.77	0.65	0.58	0.39	0.36	0.30	0.28	
29	0.36	0.67	0.53	0.56	0.74	0.78	0.64	0.58	0.40	0.36	0.30	0.28	
30	0.35	0.72	0.52	0.52	0.72	1.10	0.64	0.56	0.40	0.35		0.28	
31		0.64		0.50	0.66		0.63		0.40	0.35		0.27	
MEAN	0.31	0.56	0.78	0.56	0.87	0.99	0.87	0.58	0.45	0.37	0.33	0.30	
MAX	0.36	1.26	1.73	1.32	2.24	1.96	2.09	0.63	0.56	0.39	0.35	0.34	2.24
MIN	0.27	0.34	0.51	0.45	0.48	0.61	0.63	0.55	0.39	0.35	0.30	0.27	0.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.37 M (A.D), AT 1.00 HOURS, ON OCT 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.15 M (A.D)
LEFT BANK ELEVATION 9.19 M (A.D)
RIGHT BANK ELEVATION 7.75 M (A.D), DRAINAGE AREA 1284 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.39	7.90	1.30	1.10	2.22	9.12	2.46	1.70	0.56	0.42	0.25	
2	0.20	0.60	3.62	1.00	1.05	2.58	6.90	2.22	1.60	0.56	0.42	0.25	
3	0.20	0.65	2.22	1.00	1.05	7.70	5.10	2.10	1.60	0.56	0.39	0.28	
4	0.20	0.49	1.70	1.05	1.00	8.30	16.92	2.10	1.50	0.56	0.42	0.25	
5	0.20	0.46	1.20	0.95	1.20	43.50	50.36	2.00	1.50	0.53	0.39	0.28	
6	0.20	0.46	1.40	0.90	1.20	34.22	17.24	1.90	1.40	0.53	0.39	0.28	
7	0.20	0.46	2.10	0.90	7.50	18.84	10.66	1.90	1.30	0.56	0.39	0.22	
8	0.20	0.49	3.06	0.90	58.66	16.92	8.10	1.90	1.05	0.56	0.39	0.22	
9	0.20	0.53	3.06	0.85	35.60	13.44	7.10	1.90	0.95	0.53	0.39	0.22	
10	0.18	0.80	2.10	1.05	19.48	9.12	7.30	1.90	0.95	0.49	0.39	0.20	
11	0.28	0.75	4.74	1.10	13.70	9.78	7.50	1.90	0.95	0.53	0.39	0.20	
12	0.39	0.56	21.50	1.10	14.57	16.02	7.30	1.90	0.95	0.53	0.39	0.20	
13	0.25	0.56	32.38	1.40	9.34	9.12	6.30	1.90	0.85	0.53	0.39	0.20	
14	0.22	0.56	17.56	1.40	7.70	7.90	5.70	1.90	0.85	0.49	0.39	0.20	
15	0.32	0.53	10.66	1.05	5.30	14.57	5.50	1.80	0.80	0.49	0.36	0.25	
16	0.36	0.49	6.10	0.95	4.42	8.10	4.90	1.80	0.75	0.53	0.36	0.39	
17	0.36	0.46	3.94	0.90	5.30	6.50	4.74	1.80	0.75	0.49	0.36	0.36	
18	0.36	0.42	3.18	2.10	4.26	5.90	4.58	1.80	0.75	0.49	0.36	0.36	
19	0.32	0.53	2.94	2.34	3.78	4.58	4.10	1.80	0.70	0.49	0.39	0.36	
20	0.32	0.95	8.70	1.70	3.30	3.94	3.94	1.60	0.70	0.49	0.39	0.36	
21	0.25	10.44	6.90	1.50	4.26	3.46	3.62	1.60	0.65	0.49	0.36	0.28	
22	0.20	5.50	8.90	17.24	7.70	5.70	3.30	1.70	0.60	0.49	0.32	0.25	
23	0.28	4.26	3.78	6.70	6.30	6.10	3.30	1.70	0.60	0.49	0.32	0.22	
24	0.28	15.44	2.94	3.06	5.90	5.90	3.30	1.70	0.56	0.53	0.32	0.20	
25	0.28	14.86	2.34	2.10	4.58	4.42	3.18	1.90	0.56	0.46	0.28	0.20	
26	0.32	7.50	2.00	1.80	4.26	3.94	2.94	1.90	0.56	0.46	0.28	0.22	
27	0.32	4.90	1.80	1.50	3.78	4.26	2.82	1.90	0.56	0.46	0.28	0.22	
28	0.46	3.62	1.60	1.60	8.10	4.42	2.70	1.90	0.56	0.46	0.25	0.20	
29	0.46	2.94	1.40	1.70	3.94	4.58	2.58	1.90	0.60	0.46	0.25	0.20	
30	0.42	3.62	1.30	1.30	3.62	11.10	2.58	1.70	0.60	0.42		0.20	
31		2.58		1.10	2.82		2.46		0.60	0.42		0.18	
TOTAL	8.45	86.80	173.02	63.54	254.77	297.13	226.14	56.48	28.05	15.64	10.43	7.70	1228.15 CMSDAY
MEAN	0.28	2.80	5.77	2.05	8.22	9.90	7.29	1.88	0.90	0.50	0.36	0.25	3.36 CMS
MAX	0.46	15.44	32.38	17.24	58.66	43.50	50.36	2.46	1.70	0.56	0.42	0.39	58.66 CMS
MIN	0.18	0.39	1.20	0.85	1.00	2.22	2.46	1.60	0.56	0.42	0.25	0.18	0.18 CMS
RUNOFF	0.730	7.500	14.949	5.490	22.012	25.672	19.538	4.880	2.424	1.351	0.901	0.665	106.112 MCM

MOMENTARY PEAK 149.15 CMS, AT 3.37 M (A.D), AT 1.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 2.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 116.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

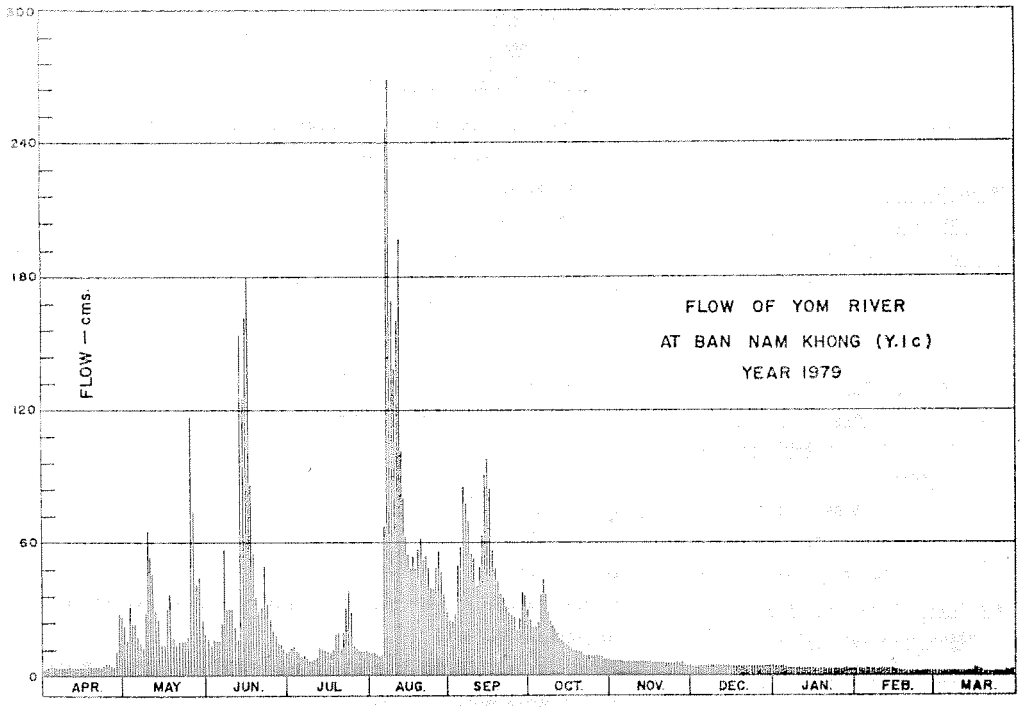
YOM RIVER AT BAN NAM KHONG, PHRAE (Y.1C)

LOCATION	LAT. 18°-07'-59" N., LONG. 100°-07'-39" E., ON RIGHT BANK ABOUT 5 METERS DOWNSTREAM FROM PHATHANA PHAK NUA 8 TH. BRIDGE AT TAMBON PA MAT, AMPHOE MUANG, PHRAE.
DRAINAGE AREA	7,624 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+143.50 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+153.908 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 148 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	144.37	144.77	144.70	144.60	144.60	144.87	144.89	144.50	144.42	144.40	144.37	144.33	
2	144.38	144.69	144.65	144.58	144.62	144.86	144.84	144.50	144.42	144.39	144.37	144.33	
3	144.38	144.96	144.72	144.65	144.61	144.94	144.82	144.50	144.42	144.39	144.37	144.33	
4	144.38	144.84	144.69	144.65	144.59	145.25	144.85	144.50	144.42	144.39	144.36	144.33	
5	144.37	144.84	144.69	144.60	144.58	145.38	144.98	144.50	144.42	144.39	144.36	144.33	
6	144.37	144.73	144.85	144.57	145.33	145.65	145.19	144.50	144.42	144.38	144.36	144.33	
7	144.37	144.68	145.32	144.55	146.08	145.57	145.13	144.49	144.42	144.38	144.36	144.33	
8	144.38	144.62	144.95	144.54	146.98	145.46	144.96	144.49	144.42	144.38	144.36	144.33	
9	144.38	144.92	144.97	144.53	147.14	145.30	144.87	144.48	144.42	144.38	144.36	144.33	
10	144.37	145.44	144.94	144.51	146.42	145.26	144.84	144.48	144.42	144.38	144.36	144.33	
11	144.37	145.19	144.84	144.50	146.18	145.13	144.81	144.47	144.42	144.38	144.35	144.33	
12	144.37	144.92	144.71	144.53	146.42	145.23	144.77	144.47	144.42	144.38	144.35	144.33	
13	144.37	144.75	146.29	144.61	146.63	145.41	144.73	144.47	144.42	144.38	144.35	144.33	
14	144.37	144.68	146.04	144.63	145.81	145.71	144.70	144.47	144.42	144.38	144.35	144.33	
15	144.38	144.65	146.36	144.59	145.47	145.77	144.68	144.47	144.42	144.38	144.35	144.33	
16	144.38	144.70	146.49	144.57	145.30	145.62	144.66	144.46	144.42	144.37	144.34	144.40	
17	144.38	145.08	145.69	144.57	145.22	145.32	144.64	144.46	144.40	144.37	144.34	144.36	
18	144.38	144.80	145.30	144.59	145.29	145.20	144.61	144.46	144.40	144.37	144.34	144.35	
19	144.38	144.67	145.04	144.67	145.23	145.14	144.60	144.45	144.40	144.37	144.34	144.34	
20	144.38	144.63	144.92	144.81	145.34	145.08	144.58	144.45	144.40	144.37	144.34	144.34	
21	144.38	144.69	144.99	144.65	145.40	145.03	144.57	144.45	144.40	144.37	144.34	144.33	
22	144.38	144.69	145.24	144.60	145.26	144.96	144.56	144.43	144.40	144.37	144.33	144.33	
23	144.39	144.70	145.01	144.95	145.30	144.93	144.56	144.43	144.40	144.37	144.33	144.33	
24	144.40	144.72	144.92	145.11	145.22	144.91	144.56	144.43	144.40	144.37	144.33	144.33	
25	144.40	145.95	144.82	144.78	145.11	144.90	144.56	144.43	144.40	144.37	144.33	144.33	
26	144.39	145.64	144.74	144.68	145.11	144.79	144.56	144.43	144.40	144.37	144.33	144.34	
27	144.38	145.13	144.69	144.69	145.30	144.89	144.55	144.43	144.40	144.37	144.33	144.35	
28	144.48	145.18	144.68	144.64	145.32	145.09	144.54	144.43	144.40	144.37	144.33	144.34	
29	144.92	145.02	144.65	144.61	145.15	145.05	144.52	144.42	144.40	144.37	144.33	144.35	
30	144.88	144.85	144.60	144.61	145.05	144.97	144.52	144.42	144.40	144.37		144.35	
31		144.75		144.61	144.91		144.51		144.40	144.37		144.34	
MEAN	144.42	144.90	145.08	144.64	145.45	145.19	144.71	144.46	144.41	144.38	144.35	144.34	
MAX	144.92	145.95	146.49	145.11	147.14	145.77	145.19	144.50	144.42	144.40	144.37	144.40	147.14
MIN	144.37	144.62	144.60	144.50	144.58	144.79	144.51	144.42	144.40	144.37	144.33	144.33	144.33

ANNUAL MAX MOMENTARY GAGE HEIGHT 147.66 M (MSL), AT 21.00 HOURS, ON AUG 8, 1979
ZERO GAGE AT BOTTOM ELEVATION 143.50 M (MSL), RIVER BED 143.27 M (MSL)
LEFT BANK ELEVATION 152.01 M (MSL)
RIGHT BANK ELEVATION 153.92 M (MSL), DRAINAGE AREA 7624 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.10	18.50	15.00	11.00	11.00	24.20	25.40	7.00	4.60	4.00	3.10	1.90	
2	3.40	14.60	13.00	10.20	11.80	23.60	22.40	7.00	4.60	3.70	3.10	1.90	
3	3.40	29.60	16.00	13.00	11.40	28.40	21.20	7.00	4.60	3.70	3.10	1.90	
4	3.40	22.40	14.60	13.00	10.60	50.00	23.00	7.00	4.60	3.70	2.80	1.90	
5	3.10	22.40	14.60	11.00	10.20	60.40	30.80	7.00	4.60	3.70	2.80	1.90	
6	3.10	16.50	23.00	9.80	56.40	85.00	45.20	7.00	4.60	3.40	2.80	1.90	
7	3.10	14.20	55.60	9.00	128.00	77.00	40.40	6.70	4.60	3.40	2.80	1.90	
8	3.40	11.80	29.00	8.60	246.60	66.80	29.60	6.70	4.60	3.40	2.80	1.90	
9	3.40	27.20	30.20	8.20	269.80	54.00	24.20	6.40	4.60	3.40	2.80	1.90	
10	3.10	65.20	28.40	7.40	169.60	50.80	22.40	6.40	4.60	3.40	2.80	1.90	
11	3.10	45.20	22.40	7.00	139.60	40.40	20.60	6.10	4.60	3.40	2.50	1.90	
12	3.10	27.20	15.50	8.20	169.60	48.40	18.50	6.10	4.60	3.40	2.50	1.90	
13	3.10	17.50	152.80	11.40	197.20	62.80	16.50	6.10	4.60	3.40	2.50	1.90	
14	3.10	14.20	124.00	12.20	101.00	91.00	15.00	6.10	4.60	3.40	2.50	1.90	
15	3.40	13.00	161.80	10.60	67.60	97.00	14.20	6.10	4.60	3.40	2.50	1.90	
16	3.40	15.00	178.70	9.80	54.00	82.00	13.40	5.80	4.60	3.10	2.20	4.00	
17	3.40	36.80	89.00	9.80	47.60	55.60	12.60	5.80	4.00	3.10	2.20	2.80	
18	3.40	20.00	54.00	10.60	53.20	46.00	11.40	5.80	4.00	3.10	2.20	2.50	
19	3.40	13.80	34.40	13.80	48.40	41.20	11.00	5.50	4.00	3.10	2.20	2.20	
20	3.40	12.20	27.20	20.60	57.20	36.80	10.20	5.50	4.00	3.10	2.20	2.20	
21	3.40	14.60	31.40	13.00	62.00	33.80	9.80	5.50	4.00	3.10	2.20	1.90	
22	3.40	14.60	49.20	11.00	50.80	29.60	9.40	4.90	4.00	3.10	1.90	1.90	
23	3.70	15.00	32.60	9.00	54.00	27.80	9.40	4.90	4.00	3.10	1.90	1.90	
24	4.00	16.00	27.20	8.80	47.60	26.60	9.40	4.90	4.00	3.10	1.90	1.90	
25	4.00	115.00	21.20	19.00	38.80	26.00	9.40	4.90	4.00	3.10	1.90	1.90	
26	3.70	84.00	17.00	14.20	38.80	19.50	9.40	4.90	4.00	3.10	1.90	2.20	
27	3.40	40.40	14.60	13.00	54.00	25.40	9.00	4.90	4.00	3.10	1.90	2.50	
28	6.40	44.40	14.20	12.60	55.60	37.40	8.60	4.90	4.00	3.10	1.90	2.20	
29	27.20	33.20	13.00	11.40	42.00	35.00	7.80	4.60	4.00	3.10	1.90	2.50	
30	24.80	23.00	11.00	11.40	35.00	30.20	7.80	4.60	4.00	3.10		2.50	
31		17.50		11.40	26.60		7.40		4.00	3.10		2.20	
TOTAL	149.30	875.00	1330.60	400.00	2366.00	1412.70	525.40	176.10	133.60	102.40	69.80	65.80	7606.69 CMSDAY
MEAN	4.98	28.23	44.35	12.90	76.32	47.09	16.95	5.87	4.31	3.30	2.41	2.12	20.78 CMS
MAX	27.20	115.00	178.70	38.80	269.80	97.00	45.20	7.00	4.60	4.00	3.10	4.00	269.80 CMS
MIN	3.10	11.80	11.00	7.00	10.20	19.50	7.40	4.60	4.00	3.10	1.90	1.90	1.90 CMS
RUNOFF	12.900	75.600	114.964	34.560	204.422	122.057	45.394	15.215	11.543	8.847	6.031	5.685	657.218 MCM

MOMENTARY PEAK 349.80 CMS, AT 147.66 M (MSL), AT 21.00 HOURS, ON AUG 8, 1979

RUNOFF YIELD 2.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 45.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

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

LOCATION — LAT. 17°-16'-29" N., LONG. 99°-49'-43" E., ON RIGHT BANK ABOUT 100 METERS DOWNSTREAM FROM SAWANKHALOK BRIDGE, AMPHOE SAWANKHALOK, SUKHOTHAI.

DRAINAGE AREA — 13,583 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +51.00 M. (M.S.L.)

BENCH MARK — B.M.-M.S.

LOCATION — ON LEFT SIDE OF AUTOMATIC GAGE BUILDING.

ELEVATION — +60.559 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1957 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

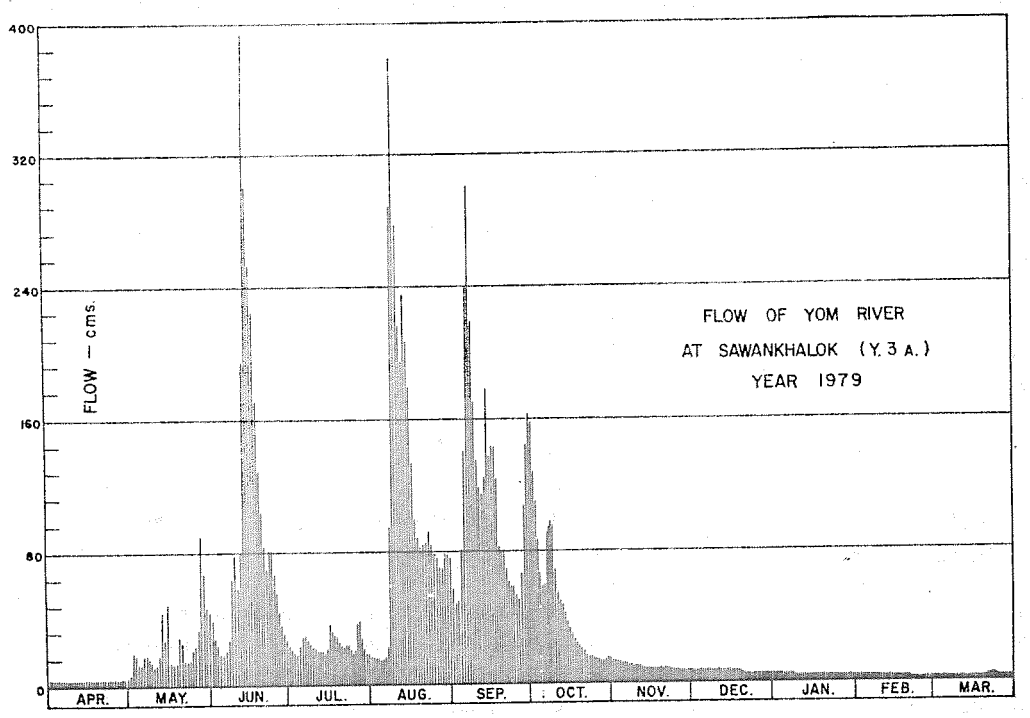
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 51 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.48	51.57	52.49	52.16	52.02	52.84	53.89	51.93	51.68	51.55	51.49	51.43	
2	51.47	51.64	52.32	52.11	52.00	52.69	53.63	51.91	51.68	51.55	51.49	51.43	
3	51.47	52.11	52.21	52.06	52.01	52.56	53.30	51.89	51.68	51.55	51.49	51.42	
4	51.47	52.05	52.09	52.04	51.98	52.77	53.00	51.87	51.68	51.54	51.48	51.41	
5	51.46	51.89	52.01	52.20	51.99	53.41	52.81	51.85	51.68	51.54	51.47	51.41	
6	51.46	51.89	52.06	52.34	52.01	53.90	52.83	51.85	51.67	51.54	51.47	51.41	
7	51.46	52.03	52.11	52.28	52.04	54.58	53.23	51.84	51.67	51.54	51.47	51.41	
8	51.46	52.07	52.33	52.24	52.64	55.05	53.29	51.82	51.67	51.54	51.47	51.40	
9	51.46	51.99	52.87	52.19	54.16	54.33	53.24	51.81	51.67	51.53	51.47	51.40	
10	51.46	51.90	53.04	52.16	55.61	53.83	52.96	51.80	51.68	51.53	51.47	51.40	
11	51.47	51.84	52.79	52.10	55.17	53.53	52.78	51.79	51.68	51.53	51.47	51.40	
12	51.48	51.91	53.14	52.09	54.54	53.45	52.66	51.78	51.67	51.53	51.46	51.39	
13	51.50	52.58	53.39	52.13	54.23	53.57	52.58	51.77	51.67	51.52	51.46	51.39	
14	51.52	52.50	54.91	52.07	54.58	54.09	52.49	51.76	51.66	51.52	51.46	51.39	
15	51.49	52.25	55.71	52.15	54.46	53.71	52.42	51.75	51.65	51.52	51.46	51.39	
16	51.49	52.65	54.83	52.44	53.82	53.76	52.35	51.74	51.65	51.51	51.46	51.39	
17	51.48	51.93	54.62	52.34	53.49	53.74	52.28	51.73	51.65	51.51	51.46	51.39	
18	51.48	51.87	54.42	52.31	53.31	53.53	52.23	51.73	51.64	51.51	51.46	51.40	
19	51.47	51.87	53.77	52.27	53.19	53.30	52.18	51.73	51.63	51.51	51.46	51.41	
20	51.47	52.32	53.36	52.20	53.11	53.09	52.12	51.72	51.62	51.50	51.46	51.41	
21	51.47	52.21	53.10	52.16	53.13	52.98	52.08	51.72	51.61	51.50	51.46	51.42	
22	51.48	51.98	52.93	52.16	53.14	52.90	52.03	51.71	51.60	51.49	51.45	51.46	
23	51.49	51.93	53.08	52.23	53.22	52.81	52.00	51.70	51.60	51.49	51.45	51.51	
24	51.48	52.00	53.08	52.12	53.10	52.83	51.98	51.69	51.59	51.49	51.45	51.49	
25	51.47	52.20	52.91	52.03	53.05	52.73	51.95	51.69	51.58	51.49	51.45	51.46	
26	51.46	52.18	52.67	52.42	53.03	52.67	51.94	51.69	51.57	51.49	51.44	51.44	
27	51.47	52.45	52.52	52.49	52.94	52.73	51.92	51.69	51.57	51.49	51.44	51.43	
28	51.49	53.21	52.39	52.27	52.95	53.11	51.92	51.68	51.57	51.49	51.44	51.42	
29	51.49	52.97	52.32	52.15	53.06	53.77	51.95	51.68	51.56	51.49	51.44	51.41	
30	51.50	52.65	52.22	52.08	53.05	53.94	51.97	51.68	51.56	51.49		51.41	
31		52.59		52.05	53.00		51.96		51.56	51.49		51.40	
MEAN	51.48	52.17	53.06	52.19	53.23	53.41	52.52	51.77	51.63	51.52	51.46	51.42	
MAX	51.52	53.21	55.71	52.49	55.61	55.05	53.89	51.93	51.68	51.55	51.49	51.51	55.71
MIN	51.46	51.57	52.01	52.03	51.98	52.56	51.92	51.68	51.56	51.49	51.44	51.39	51.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 55.88 M (MSL), AT 10.00 HOURS, ON JUN 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 51.00 M (MSL), RIVER BED 51.09 M (MSL)
LEFT BANK ELEVATION 60.76 M (MSL)
RIGHT BANK ELEVATION 60.47 M (MSL), DRAINAGE AREA 13583 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.60	5.40	39.40	22.40	16.80	61.20	156.90	13.90	7.60	5.00	3.80	2.60	
2	3.40	6.80	30.00	20.40	16.00	51.40	129.00	13.30	7.60	5.00	3.80	2.60	
3	3.40	20.40	24.50	18.40	16.40	43.60	99.00	12.70	7.60	5.00	3.80	2.40	
4	3.40	18.00	19.60	17.60	15.40	56.20	74.00	12.10	7.60	4.80	3.60	2.20	
5	3.20	12.70	16.40	24.00	15.70	108.90	58.80	11.50	7.60	4.80	3.40	2.20	
6	3.20	12.70	18.40	31.00	16.40	158.00	60.40	11.50	7.40	4.80	3.40	2.20	
7	3.20	17.20	20.40	28.00	17.60	236.40	92.70	11.20	7.40	4.80	3.40	2.20	
8	3.20	18.80	30.50	26.00	48.40	299.00	98.10	10.60	7.40	4.80	3.40	2.00	
9	3.20	15.70	63.60	23.60	186.60	205.60	93.60	10.30	7.40	4.60	3.40	2.00	
10	3.20	13.00	77.20	22.40	378.50	150.30	70.80	10.00	7.60	4.60	3.40	2.00	
11	3.40	11.20	57.40	20.00	315.80	119.70	56.80	9.80	7.60	4.60	3.40	2.00	
12	3.60	13.30	85.20	19.60	231.20	112.50	49.60	9.60	7.40	4.60	3.20	1.90	
13	4.00	44.80	107.10	21.20	194.30	123.30	44.80	9.40	7.40	4.40	3.20	1.90	
14	4.40	40.00	279.40	18.80	236.40	178.90	39.40	9.20	7.20	4.40	3.20	1.90	
15	3.80	26.50	393.50	22.00	221.20	137.10	35.20	9.00	7.00	4.40	3.20	1.90	
16	3.80	49.00	268.90	36.40	149.20	142.60	31.50	8.80	7.00	4.20	3.20	1.90	
17	3.60	13.90	241.60	31.00	116.10	140.40	28.00	8.60	7.00	4.20	3.20	1.90	
18	3.60	12.10	216.40	29.50	99.90	119.70	25.50	8.60	6.80	4.20	3.20	2.00	
19	3.40	12.10	143.70	27.50	89.20	99.00	23.20	8.60	6.60	4.20	3.20	2.20	
20	3.40	30.00	104.40	24.00	82.80	81.20	20.80	8.40	6.40	4.00	3.20	2.20	
21	3.40	24.50	82.00	22.40	84.40	72.40	19.20	8.40	6.20	4.00	3.20	2.40	
22	3.60	15.40	68.40	22.40	85.20	66.00	17.20	8.20	6.00	3.80	3.00	3.20	
23	3.80	13.90	80.40	25.50	91.80	58.80	16.00	8.00	6.00	3.80	3.00	4.20	
24	3.60	16.00	80.40	20.80	82.00	60.40	15.40	7.80	5.80	3.80	3.00	3.80	
25	3.40	24.00	66.80	17.20	78.00	53.80	14.50	7.80	5.60	3.80	3.00	3.20	
26	3.20	23.20	50.20	35.20	76.40	50.20	14.20	7.80	5.40	3.80	2.80	2.80	
27	3.40	37.00	41.20	39.40	69.20	53.80	13.60	7.80	5.40	3.80	2.80	2.60	
28	3.80	90.90	33.50	27.50	70.00	82.80	13.60	7.60	5.40	3.80	2.80	2.40	
29	3.80	71.60	30.00	22.00	78.80	143.70	14.50	7.60	5.20	3.80	2.80	2.20	
30	4.00	49.00	25.00	19.20	78.00	162.40	15.10	7.60	5.20	3.80		2.20	
31		45.40		18.00	74.00		14.80		5.20	3.80		2.00	
TOTAL	106.00	804.50	2795.50	753.40	3331.70	3429.30	1456.20	285.70	207.00	133.40	94.00	73.20	13469.88 CMSDAY
MEAN	3.53	25.95	93.18	24.30	107.47	114.31	46.97	9.52	6.68	4.30	3.24	2.36	36.80 CMS
MAX	4.40	90.90	393.50	39.40	378.50	299.00	156.90	13.90	7.60	5.00	3.80	4.20	393.50 CMS
MIN	3.20	5.40	16.40	17.20	15.40	43.60	13.60	7.60	5.20	3.80	2.80	1.90	1.90 CMS
RUNOFF	9.158	69.509	241.531	65.094	287.859	296.291	125.815	24.684	17.885	11.526	8.122	6.324	1163.798 MCM

MOMENTARY PEAK 419.00 CMS, AT 55.88 M (MSL), AT 10.00 HOURS, ON JUN 15, 1979

RUNOFF YIELD 2.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

YOM RIVER AT SUKHOTHAI, SUKHOTHAI (Y.4)

LOCATION — LAT. 17°00'18" N., LONG. 99°49'31" E., ON LEFT BANK INFRONT OF THE GOVERNER'S HOUSE, AMPHOE MUANG, SUKHOTHAI.

DRAINAGE AREA — 17,731 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +44.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE FENCE OF THE GOVERNER'S HOUSE.

ELEVATION — +49.142 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 — 1950 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1954-1956, 1967-1970

RATED BY FLOAT — -

RATED BY CURRENT METER — 1954-1956, 1967-1970

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +49.24 M. (M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1970. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 24,000 HECTARES.

REMARKS — ESTIMATED GAGE HEIGHT DURING MAR 1-12,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

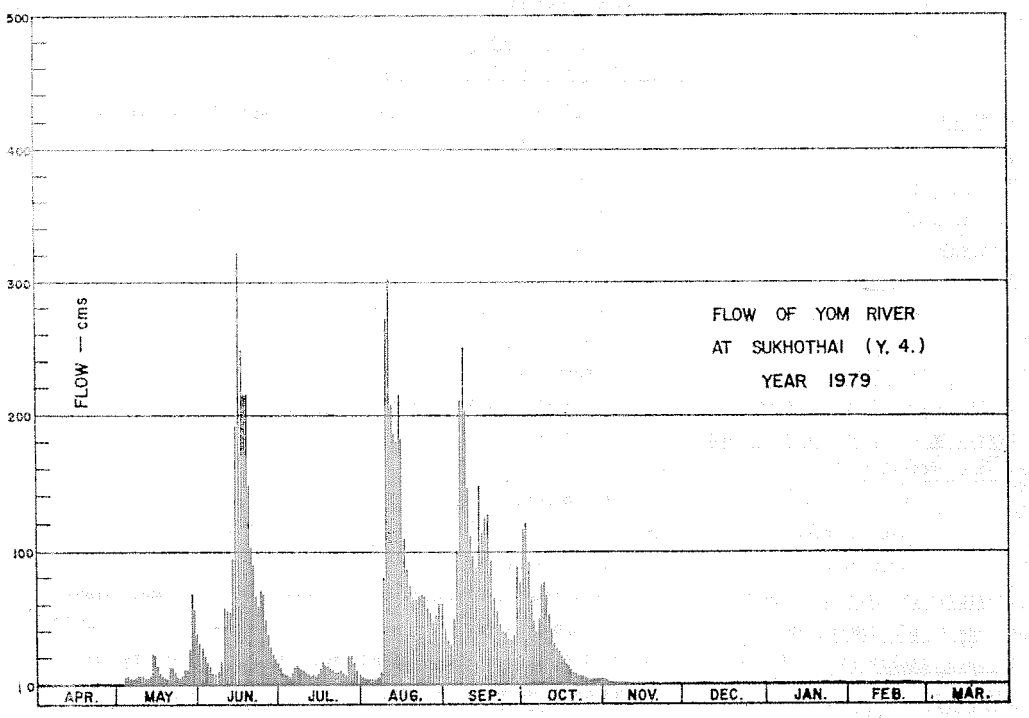
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	44.56	44.71	46.54	45.78	45.44	47.06	48.30	45.27	44.83	44.61	44.38	44.24	
2	44.59	44.71	46.34	45.61	45.38	46.83	48.08	45.22	44.82	44.59	44.40	44.24	
3	44.60	44.82	46.12	45.55	45.34	46.58	47.78	45.18	44.81	44.59	44.36	44.24	
4	44.58	45.44	45.89	45.49	45.33	46.45	47.36	45.15	44.81	44.59	44.33	44.24	
5	44.56	45.45	45.83	45.48	45.31	47.08	47.02	45.12	44.81	44.59	44.34	44.24	
6	44.56	45.27	45.51	45.78	45.35	47.82	46.81	45.09	44.80	44.58	44.31	44.24	
7	46.56	45.28	45.54	45.87	45.37	48.71	47.04	45.07	44.82	44.58	44.28	44.24	
8	44.56	45.47	45.64	45.79	45.50	49.05	47.51	45.06	44.82	44.57	44.27	44.24	
9	44.56	45.49	46.12	45.74	47.26	48.82	47.54	45.04	44.80	44.56	44.25	44.24	
10	44.58	48.39	47.19	45.66	49.08	48.40	47.31	45.02	44.80	44.56	44.26	44.24	
11	44.58	45.27	47.14	45.62	49.22	47.98	46.99	45.00	44.80	44.56	44.26	44.24	
12	[illegible]	45.18	47.13	45.53	48.90	47.78	46.74	44.98	44.79	44.55	44.24	44.24	
13	[illegible]3	45.44	47.51	45.51	48.67	47.67	46.55	44.96	44.78	44.53	44.24	43.98	
14	[illegible]69	46.25	48.55	45.53	48.62	48.33	46.40	44.95	44.77	44.52	44.24	43.88	
15	[illegible]71	46.18	49.27	45.44	48.89	48.25	46.26	44.94	44.76	44.51	44.24	43.85	
16	44.67	45.78	49.14	45.75	48.44	48.01	46.14	44.92	44.76	44.50	44.24	44.02	
17	44.64	45.49	48.89	46.02	47.98	48.14	46.03	44.91	44.75	44.51	44.24	44.21	
18	44.62	45.31	48.88	45.90	47.65	47.95	45.89	44.90	44.74	44.51	44.24	44.32	
19	44.60	45.21	48.51	45.88	47.48	47.69	45.78	44.90	44.72	44.50	44.24	44.31	
20	44.60	45.28	48.03	45.77	47.31	47.37	45.67	44.89	44.71	44.49	44.24	44.28	
21	44.61	45.81	47.63	45.64	47.29	47.14	45.59	44.89	44.70	44.48	44.24	44.27	
22	44.65	45.72	47.33	45.59	47.30	47.01	45.51	44.88	44.68	44.47	44.24	44.25	
23	44.66	45.44	47.23	45.63	47.38	46.89	45.44	44.88	44.69	44.44	44.24	44.26	
24	44.66	45.30	47.44	45.72	47.37	46.80	45.39	44.87	44.67	44.44	44.24	44.41	
25	44.65	45.43	47.33	45.54	47.20	46.81	45.34	44.85	44.65	44.45	44.24	44.48	
26	44.63	45.66	47.04	45.47	47.18	46.66	45.31	44.84	44.64	44.44	44.24	44.46	
27	44.62	45.73	46.67	46.19	47.11	46.61	45.29	44.84	44.64	44.42	44.24	44.43	
28	44.62	46.53	46.39	46.20	47.00	46.80	45.26	44.83	44.63	44.40	44.24	44.40	
29	44.63	47.38	46.12	45.85	47.09	47.71	45.26	44.83	44.61	44.38	44.24	44.38	
30	44.76	47.06	45.96	45.63	47.27	47.25	45.29	44.83	44.61	44.38		44.36	
31		46.69		45.49	47.26		45.30		44.60	44.36		44.34	
MEAN	44.62	45.62	47.09	45.70	47.16	47.52	46.33	44.97	44.74	44.51	44.27	44.25	
MAX	44.76	47.38	49.27	46.20	49.22	49.05	48.30	45.27	44.83	44.61	44.40	44.48	49.27
MIN	44.56	44.71	45.51	45.44	45.31	46.45	45.26	44.83	44.60	44.36	44.24	43.85	43.85

ANNUAL MAX MOMENTARY GAGE HEIGHT — 49.34 M (MSL), AT 18.00 HOURS, ON JUN 6, 1979

ZERO GAGE AT BOTTOM ELEVATION — 44.00 M (MSL), RIVER BED — 43.43 M (MSL)

LEFT BANK ELEVATION — 49.23 M (MSL)

RIGHT BANK ELEVATION — 49.32 M (MSL), DRAINAGE AREA — 17731 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	31.20	13.10	6.60	51.00	144.00	4.20	0.15	0.00	0.00	0.00	
2	0.00	0.00	26.00	9.70	5.70	40.70	121.00	3.70	0.10	0.00	0.00	0.00	
3	0.00	0.10	20.50	8.50	5.10	32.40	94.50	3.30	0.05	0.00	0.00	0.00	
4	0.00	6.60	15.30	6.75	4.95	28.75	66.95	3.00	0.05	0.00	0.00	0.00	
5	0.00	6.75	10.10	7.20	4.65	52.00	49.00	2.70	0.05	0.00	0.00	0.00	
6	0.00	4.20	7.70	13.10	5.25	97.60	39.90	2.40	0.00	0.00	0.00	0.00	
7	0.00	4.30	8.30	14.90	5.55	191.30	50.00	2.20	0.10	0.00	0.00	0.00	
8	0.00	7.05	10.30	13.30	7.50	250.00	75.67	2.10	0.10	0.00	0.00	0.00	
9	0.00	7.35	20.50	12.30	61.30	206.00	77.70	1.90	0.00	0.00	0.00	0.00	
10	0.00	5.85	57.50	10.70	257.20	155.00	64.08	1.70	0.00	0.00	0.00	0.00	
11	0.00	4.20	55.00	9.90	301.00	111.20	47.55	1.50	0.00	0.00	0.00	0.00	
12	0.00	3.30	54.50	8.10	218.00	94.50	37.40	1.30	0.00	0.00	0.00	0.00	
13	0.00	6.60	75.67	7.70	186.40	86.48	31.50	1.10	0.00	0.00	0.00	0.00	
14	0.00	23.75	172.00	8.10	180.40	147.30	27.50	1.00	0.00	0.00	0.00	0.00	
15	0.00	22.00	321.00	6.60	216.50	138.50	24.00	0.90	0.00	0.00	0.00	0.00	
16	0.00	13.10	274.40	12.50	159.40	114.00	21.00	0.70	0.00	0.00	0.00	0.00	
17	0.00	7.35	216.50	18.00	111.20	127.00	18.25	0.60	0.00	0.00	0.00	0.00	
18	0.00	4.65	215.00	15.50	85.12	108.50	15.30	0.50	0.00	0.00	0.00	0.00	
19	0.00	3.60	167.20	15.10	73.85	87.82	13.10	0.50	0.00	0.00	0.00	0.00	
20	0.00	4.30	116.00	12.90	64.08	67.52	10.90	0.45	0.00	0.00	0.00	0.00	
21	0.00	13.70	83.77	10.30	62.95	55.00	9.30	0.45	0.00	0.00	0.00	0.00	
22	0.00	11.90	65.22	9.30	63.50	48.50	7.70	0.40	0.00	0.00	0.00	0.00	
23	0.00	6.60	59.65	10.10	68.10	43.10	6.60	0.40	0.00	0.00	0.00	0.00	
24	0.00	4.50	71.55	11.90	67.52	39.50	5.85	0.35	0.00	0.00	0.00	0.00	
25	0.00	6.45	69.22	8.30	58.00	39.90	5.10	0.25	0.00	0.00	0.00	0.00	
26	0.00	10.70	50.00	7.05	57.00	34.80	4.65	0.20	0.00	0.00	0.00	0.00	
27	0.00	12.10	35.10	22.25	53.50	33.30	4.40	0.20	0.00	0.00	0.00	0.00	
28	0.00	30.90	27.25	22.50	48.00	39.50	4.10	0.15	0.00	0.00	0.00	0.00	
29	0.00	68.10	20.50	14.50	52.50	89.25	4.10	0.15	0.00	0.00	0.00	0.00	
30	0.00	51.00	16.70	10.10	61.85	60.75	4.40	0.15	0.00	0.00		0.00	
31		35.70		7.35	61.30		4.50		0.00	0.00		0.00	
TOTAL	0.00	386.70	2369.63	357.60	2613.97	2671.17	1090.00	38.45	0.60	0.00	0.00	0.00	9528.11 CMSDAY
MEAN	0.00	12.47	78.99	11.54	84.32	89.04	35.16	1.28	0.02	0.00	0.00	0.00	26.03 CMS
MAX	0.00	68.10	321.00	22.50	301.00	250.00	144.00	4.20	0.15	0.00	0.00	0.00	321.00 CMS
MIN	0.00	0.00	7.70	6.60	4.65	28.75	4.10	0.15	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	33.411	204.736	30.897	225.847	230.789	94.176	3.322	0.052	0.000	0.000	0.000	823.229 MCM

MOMENTARY PEAK 353.00 CMS, AT 49.34 M (MSL), AT 18.00 HOURS, ON JUN 6, 1979

RUNOFF YIELD 1.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

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

LOCATION — LAT. 17°-26'-03" N., LONG. 99°-47'-32" E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM KAENG LUANG, AMPHOE SI SATCHANALAI, SUKHOTHAI.

DRAINAGE AREA — 12,658 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +59.00 M. (M.S.L.)

BENCH MARK — B.M.-Y.6

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +68.928 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1952 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1952 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1952 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 138 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

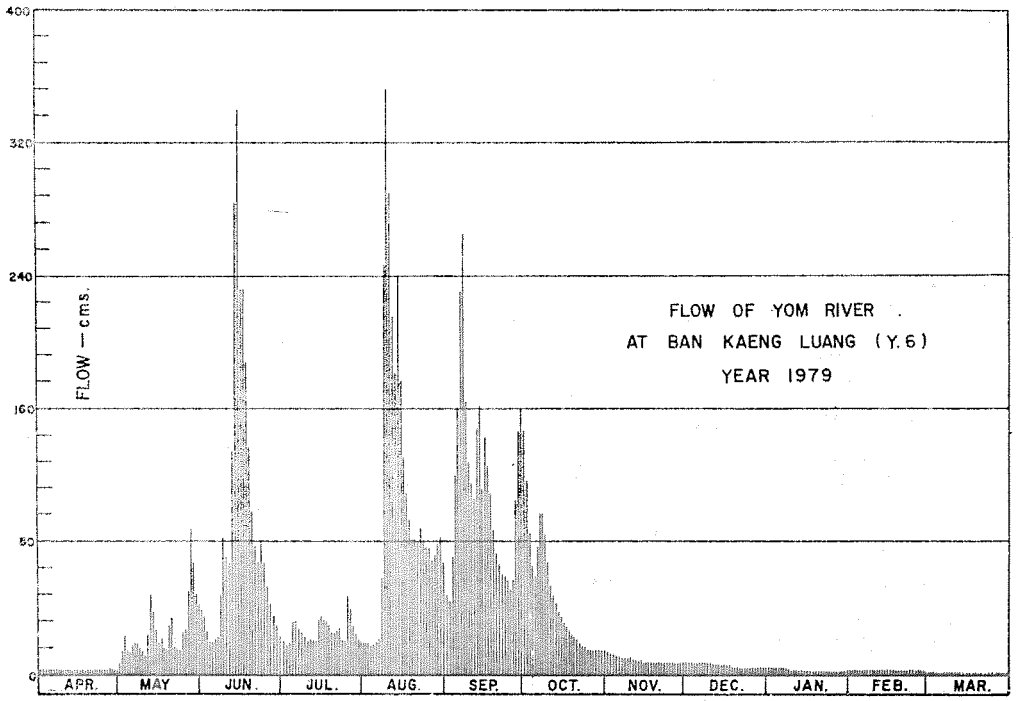
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	59.57	59.74	60.51	60.22	60.14	60.86	61.66	60.02	59.78	59.63	59.57	59.50	
2	59.57	59.97	60.40	60.17	60.14	60.69	61.46	60.00	59.78	59.64	59.57	59.50	
3	59.56	60.24	60.20	60.12	60.13	60.62	61.17	59.99	59.78	59.64	59.57	59.50	
4	59.56	60.07	60.17	60.15	60.11	60.93	60.94	59.96	59.78	59.63	59.56	59.49	
5	59.55	59.98	60.13	60.39	60.13	61.40	60.82	59.94	59.78	59.63	59.55	59.48	
6	59.55	60.10	60.21	60.43	60.17	61.87	60.93	59.94	59.79	59.63	59.55	59.44	
7	59.55	60.14	60.26	60.34	60.24	62.28	61.24	59.93	59.79	59.62	59.55	59.39	
8	59.55	60.15	60.50	60.34	61.06	62.41	61.25	59.91	59.79	59.62	59.55	59.39	
9	59.54	60.06	61.07	60.29	62.15	61.91	61.15	59.90	59.78	59.61	59.56	59.38	
10	59.54	59.99	60.95	60.26	62.88	61.56	60.93	59.89	59.78	59.61	59.54	59.38	
11	59.58	59.93	60.87	60.19	62.42	61.40	60.79	59.87	59.77	59.61	59.54	59.38	
12	59.56	60.27	61.15	60.20	62.09	61.33	60.70	59.86	59.76	59.61	59.54	59.37	
13	59.55	60.65	61.53	60.23	61.89	61.61	60.62	59.85	59.75	59.60	59.53	59.37	
14	59.57	60.49	62.62	60.16	62.27	61.77	60.56	59.84	59.75	59.60	59.53	59.37	
15	59.57	60.28	62.81	60.43	61.98	61.54	60.49	59.83	59.74	59.60	59.53	59.38	
16	59.57	60.13	62.21	60.50	61.56	61.63	60.43	59.83	59.74	59.60	59.54	59.38	
17	59.56	60.03	62.21	60.42	61.34	61.55	60.38	59.83	59.73	59.60	59.54	59.37	
18	59.56	60.00	61.93	60.43	61.21	61.38	60.33	59.82	59.71	59.60	59.54	59.38	
19	59.56	60.13	61.49	60.36	61.11	61.18	60.27	59.82	59.70	59.59	59.53	59.39	
20	59.56	60.42	61.20	60.29	61.07	61.03	60.23	59.81	59.69	59.59	59.53	59.40	
21	59.56	60.20	61.01	60.28	61.09	60.95	60.18	59.81	59.69	59.59	59.53	59.43	
22	59.58	60.08	60.92	60.31	61.12	60.89	60.15	59.81	59.68	59.58	59.53	59.53	
23	59.59	60.05	61.08	60.34	61.16	60.84	60.12	59.80	59.68	59.58	59.53	59.51	
24	59.57	60.23	61.01	60.22	61.05	60.85	60.09	59.80	59.67	59.58	59.53	59.48	
25	59.56	60.31	60.86	60.17	61.03	60.76	60.07	59.79	59.67	59.58	59.53	59.46	
26	59.55	60.36	60.67	60.66	61.00	60.71	60.06	59.79	59.66	59.58	59.52	59.45	
27	59.60	60.74	60.55	60.53	60.92	60.82	60.04	59.79	59.66	59.58	59.51	59.43	
28	59.62	61.15	60.45	60.36	60.97	61.25	60.04	59.79	59.65	59.58	59.51	59.42	
29	59.61	60.88	60.38	60.28	61.07	61.67	60.08	59.79	59.64	59.58	59.51	59.40	
30	59.60	60.68	60.28	60.21	61.10	61.74	60.08	59.79	59.64	59.57		59.40	
31		60.61		60.17	60.98		60.06		59.63	59.57		59.39	
MEAN	59.57	60.26	60.99	60.30	61.15	61.31	60.56	59.86	59.72	59.60	59.54	59.42	
MAX	59.62	61.15	62.81	60.66	62.88	62.41	61.66	60.02	59.79	59.64	59.57	59.53	62.88
MIN	59.54	59.74	60.13	60.12	60.11	60.62	60.04	59.79	59.63	59.57	59.51	59.37	59.37

ANNUAL MAX MOMENTARY GAGE HEIGHT — 63.02 M (MSL), AT 4:00 HOURS, ON JUN 15, 1979

ZERO GAGE AT BOTTOM ELEVATION — 59.00 M (MSL), RIVER BED — 58.31 M (MSL)

LEFT BANK ELEVATION — 68.94 M (MSL)

RIGHT BANK ELEVATION — 69.05 M (MSL), DRAINAGE AREA — 12658 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.55	5.50	37.15	21.90	18.30	61.80	147.60	13.70	6.50	3.45	2.55	1.50	
2	2.55	12.10	31.00	19.65	18.30	49.30	121.20	13.00	6.50	3.60	2.55	1.50	
3	2.40	22.80	21.00	17.40	17.85	44.40	89.30	12.70	6.50	3.60	2.55	1.50	
4	2.40	15.45	19.65	18.75	16.95	67.70	68.60	11.80	6.50	3.45	2.40	1.40	
5	2.25	12.40	17.85	30.45	17.85	114.00	58.60	11.20	6.50	3.45	2.25	1.30	
6	2.25	16.50	21.45	32.65	19.65	176.80	67.70	11.20	6.75	3.45	2.25	0.90	
7	2.25	18.30	23.70	27.70	22.80	242.60	96.40	10.90	6.75	3.30	2.25	0.45	
8	2.25	18.75	36.50	27.70	79.40	264.83	97.50	10.30	6.75	3.30	2.25	0.45	
9	2.10	15.10	80.30	25.05	221.00	182.60	87.50	10.00	6.50	3.15	2.25	0.40	
10	2.10	12.70	69.50	23.70	352.20	134.10	67.70	9.70	6.50	3.15	2.10	0.40	
11	2.70	10.90	62.60	20.55	266.67	114.00	56.30	9.10	6.25	3.15	2.10	0.40	
12	2.40	24.15	87.50	21.00	211.40	106.30	50.00	8.80	6.00	3.15	2.10	0.35	
13	2.25	46.50	130.05	22.35	179.60	140.85	44.40	8.50	5.75	3.00	1.95	0.35	
14	2.55	35.95	303.33	19.20	240.90	162.80	40.40	8.20	5.75	3.00	1.95	0.35	
15	2.55	24.60	338.90	32.65	193.80	131.40	35.95	7.90	5.50	3.00	1.95	0.40	
16	2.55	17.85	230.70	36.50	134.10	143.55	32.65	7.90	5.50	3.00	2.10	0.40	
17	2.40	14.05	230.70	32.10	107.40	132.75	29.90	7.90	5.25	3.00	2.10	0.35	
18	2.40	13.00	185.80	32.65	93.10	111.80	27.15	7.60	4.75	3.00	2.10	0.40	
19	2.40	17.85	124.80	28.80	83.90	90.20	24.15	7.60	4.50	2.85	1.95	0.45	
20	2.40	32.10	92.00	25.05	80.30	76.70	22.35	7.30	4.35	2.85	1.95	0.50	
21	2.40	21.00	74.90	24.60	82.10	69.50	20.10	7.30	4.35	2.85	1.95	0.80	
22	2.70	15.80	66.80	26.05	84.80	64.20	18.75	7.30	4.20	2.70	1.95	1.95	
23	2.85	14.75	81.20	27.70	88.40	60.20	17.40	7.00	4.20	2.70	1.95	1.65	
24	2.55	22.35	74.90	21.90	78.50	61.00	16.15	7.00	4.05	2.70	1.95	1.30	
25	2.40	26.05	61.80	19.65	76.70	54.20	15.45	6.75	4.05	2.70	1.95	1.10	
26	2.25	28.80	47.90	47.20	74.00	50.70	15.10	6.75	3.90	2.70	1.80	1.00	
27	3.00	52.80	39.75	38.45	66.80	58.60	14.40	6.75	3.90	2.70	1.65	0.80	
28	3.30	87.50	33.75	28.80	71.30	97.50	14.40	6.75	3.75	2.70	1.65	0.70	
29	3.15	63.40	29.90	24.60	80.30	148.95	15.80	6.75	3.60	2.70	1.65	0.50	
30	3.00	48.60	24.60	21.45	83.00	158.60	15.80	6.75	3.60	2.55		0.50	
31		43.70		19.65	72.20		15.10		3.45	2.55		0.45	
TOTAL	75.30	811.30	2679.98	815.85	3233.57	3371.93	1443.80	264.40	162.40	93.45	60.15	24.50	13036.61 CMSDAY
MEAN	2.51	26.17	89.33	26.32	104.31	112.40	46.57	8.81	5.24	3.01	2.07	0.79	35.62 CMS
MAX	3.30	87.50	338.90	47.20	352.20	264.83	147.60	13.70	6.75	3.60	2.55	1.95	352.20 CMS
MIN	2.10	5.50	17.85	17.40	16.95	44.40	14.40	6.75	3.45	2.55	1.65	0.35	0.35 CMS
RUNOFF	6.506	70.096	231.550	70.489	279.380	291.334	124.744	22.844	14.031	8.074	5.197	2.117	1126.363 MCM

MOMENTARY PEAK 379.20 CMS, AT 63.02 M (MSL), AT 4.00 HOURS, ON JUN 15, 1979

RUNOFF YIELD 2.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 29.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

MAE NGAO RIVER AT NGAO, LAMPANG (Y.13)

LOCATION — LAT. 18°45'06" N., LONG. 99°58'53" E., ON LEFT BANK AT DOWNSTREAM SIDE OF NGAO BRIDGE, AMPHOE NGAO, LAMPANG.

DRAINAGE AREA — 382 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +266.30 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK ABOUT 5.00 METERS UPSTREAM FROM THE GAGE SITE.

ELEVATION — +273.180 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1957 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1957-1958, 1969, 1971 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1957-1958, 1969, 1971 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

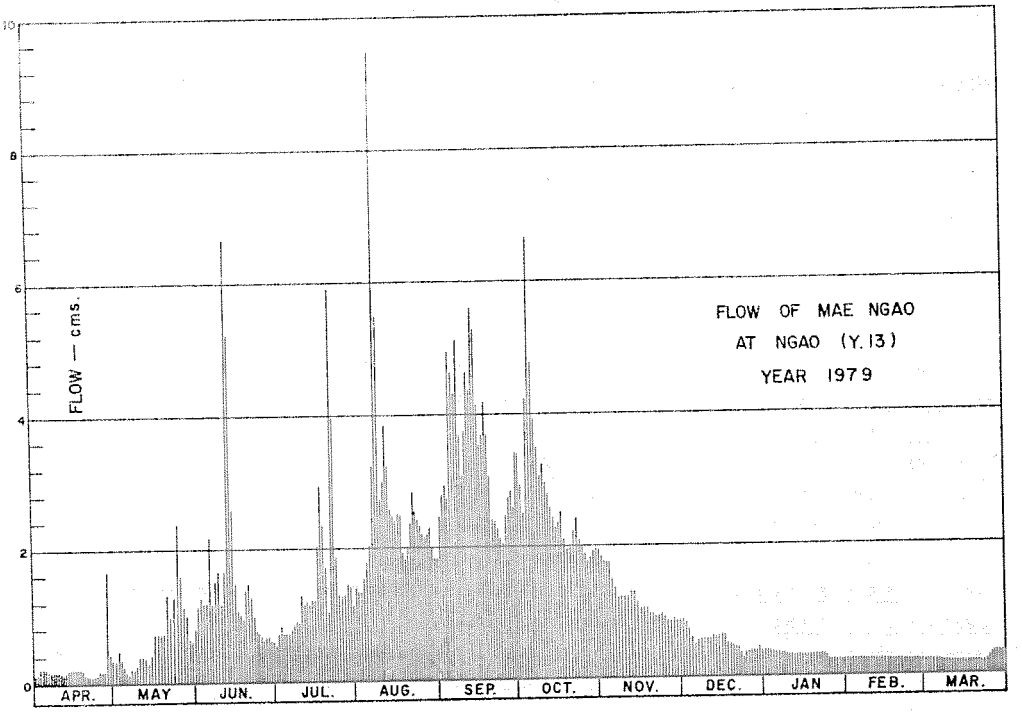
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	266.62	266.68	266.80	266.73	266.85	266.94	267.03	266.90	266.79	266.70	266.66	266.65	
2	266.61	266.68	266.84	266.76	266.84	266.98	267.00	266.89	266.78	266.70	266.66	266.65	
3	266.65	266.72	266.82	266.78	266.85	267.00	266.96	266.89	266.77	266.70	266.66	266.65	
4	266.65	266.68	266.82	266.76	266.88	266.98	267.08	266.89	266.75	266.69	266.66	266.65	
5	266.65	266.64	266.82	266.76	266.91	267.13	267.23	266.86	266.73	266.69	266.66	266.65	
6	266.63	266.62	266.93	266.76	266.93	267.10	267.13	266.85	266.72	266.69	266.66	266.65	
7	266.63	266.62	266.82	266.77	267.05	267.09	267.07	266.83	266.73	266.69	266.66	266.64	
8	266.63	266.64	266.85	266.79	267.37	267.14	267.03	266.83	266.73	266.69	266.66	266.64	
9	266.63	266.63	266.88	266.79	267.11	267.03	267.01	266.83	266.73	266.68	266.66	266.64	
10	266.63	266.67	266.84	266.79	266.98	267.01	267.02	266.83	266.73	266.68	266.66	266.64	
11	266.62	266.70	266.82	266.84	267.01	267.06	267.00	266.83	266.73	266.68	266.66	266.64	
12	266.62	266.70	266.92	266.82	267.06	267.11	266.98	266.84	266.73	266.68	266.66	266.64	
13	266.63	266.69	267.23	266.83	266.99	267.09	266.96	266.84	266.74	266.68	266.66	266.64	
14	266.64	266.67	267.01	266.82	266.96	267.17	266.95	266.83	266.73	266.68	266.66	266.64	
15	266.64	266.67	266.89	266.83	266.95	267.12	266.94	266.81	266.74	266.68	266.66	266.64	
16	266.64	266.75	266.82	266.83	266.96	267.04	266.95	266.81	266.74	266.68	266.66	266.64	
17	266.64	266.76	266.81	266.94	266.96	267.04	266.96	266.81	266.74	266.68	266.66	266.64	
18	266.64	266.76	266.80	267.00	266.91	267.08	266.92	266.81	266.72	266.68	266.66	266.64	
19	266.64	266.76	266.80	266.93	266.90	267.06	266.91	266.80	266.72	266.68	266.66	266.64	
20	266.61	266.76	266.85	266.85	266.91	267.02	266.91	266.80	266.71	266.68	266.66	266.64	
21	266.61	266.84	266.86	266.81	266.95	266.95	266.93	266.80	266.71	266.68	266.66	266.64	
22	266.61	266.80	266.82	267.19	266.99	266.95	266.95	266.79	266.71	266.68	266.66	266.64	
23	266.61	266.80	266.78	267.05	266.96	266.94	266.93	266.80	266.70	266.68	266.66	266.64	
24	266.61	266.86	266.76	266.90	266.95	266.93	266.92	266.80	266.66	266.68	266.66	266.64	
25	266.62	266.95	266.76	266.84	266.94	266.92	266.91	266.79	266.70	266.66	266.66	266.66	
26	266.63	266.86	266.74	266.84	266.93	266.95	266.90	266.78	266.69	266.66	266.66	266.68	
27	266.62	266.82	266.75	266.83	266.93	266.98	266.89	266.78	266.70	266.66	266.66	266.68	
28	266.88	266.81	266.76	266.86	266.94	266.99	266.90	266.79	266.70	266.66	266.66	266.68	
29	266.72	266.61	266.74	266.85	266.92	266.97	266.91	266.78	266.70	266.66	266.66	266.68	
30	266.68	266.74	266.74	266.82	266.90	267.03	266.91	266.78	266.71	266.66		266.68	
31		266.74		266.82	266.90		266.91		266.70	266.66		266.68	
MEAN	266.64	266.73	266.84	266.84	266.96	267.03	266.97	266.82	266.72	266.68	266.66	266.65	
MAX	266.88	266.95	267.23	267.19	267.37	267.17	267.23	266.90	266.79	266.70	266.66	266.68	267.37
MIN	266.61	266.61	266.74	266.73	266.84	266.92	266.89	266.78	266.66	266.66	266.66	266.64	266.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 267.69 M (MSL), AT 12.00 HOURS, ON JUL 22, 1979
ZERO GAGE AT BOTTOM ELEVATION 266.30 M (MSL), RIVER BED 266.40 M (MSL)
LEFT BANK ELEVATION 275.05 M (MSL)
RIGHT BANK ELEVATION 275.10 M (MSL), DRAINAGE AREA 382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.34	0.96	0.57	1.40	2.29	3.42	1.84	0.90	0.40	0.27	0.24	
2	0.11	0.34	1.31	0.74	1.31	2.74	2.96	1.75	0.85	0.40	0.27	0.24	
3	0.24	0.51	1.14	0.85	1.40	2.96	2.51	1.75	0.79	0.40	0.27	0.24	
4	0.24	0.34	1.14	0.74	1.66	2.74	4.18	1.75	0.68	0.37	0.27	0.24	
5	0.24	0.21	1.14	0.74	1.95	4.96	6.66	1.49	0.57	0.37	0.27	0.24	
6	0.18	0.14	2.18	0.74	2.18	4.48	4.96	1.40	0.51	0.37	0.27	0.24	
7	0.18	0.14	1.14	0.79	3.72	4.33	4.02	1.22	0.57	0.37	0.27	0.21	
8	0.18	0.21	1.40	0.90	9.46	5.12	3.42	1.22	0.57	0.37	0.27	0.21	
9	0.18	0.18	1.66	0.90	4.64	3.42	3.11	1.22	0.57	0.34	0.27	0.21	
10	0.18	0.30	1.31	0.90	2.74	3.11	3.26	1.22	0.57	0.34	0.27	0.21	
11	0.14	0.40	1.14	1.31	3.11	3.87	2.96	1.22	0.57	0.34	0.27	0.21	
12	0.14	0.40	2.06	1.14	3.87	4.64	2.74	1.31	0.57	0.34	0.27	0.21	
13	0.18	0.37	6.66	1.22	2.85	4.33	2.51	1.31	0.62	0.34	0.27	0.21	
14	0.21	0.30	3.11	1.14	2.51	5.60	2.40	1.22	0.57	0.34	0.27	0.21	
15	0.21	0.30	1.75	1.22	2.40	4.80	2.29	1.05	0.62	0.34	0.27	0.21	
16	0.21	0.68	1.14	1.22	2.51	3.57	2.40	1.05	0.62	0.34	0.27	0.21	
17	0.21	0.74	1.05	2.29	2.51	3.57	2.51	1.05	0.62	0.34	0.27	0.21	
18	0.21	0.74	0.96	2.96	1.95	4.18	2.06	1.05	0.51	0.34	0.27	0.21	
19	0.21	0.74	0.96	2.18	1.84	3.87	1.95	0.96	0.51	0.34	0.27	0.21	
20	0.11	0.74	1.40	1.40	1.95	3.26	1.95	0.96	0.46	0.34	0.27	0.21	
21	0.11	1.31	1.49	1.05	2.40	2.40	2.18	0.96	0.46	0.34	0.27	0.21	
22	0.11	0.96	1.14	5.92	2.85	2.40	2.40	0.90	0.46	0.34	0.27	0.21	
23	0.11	0.96	0.85	3.72	2.51	2.29	2.18	0.96	0.40	0.34	0.27	0.21	
24	0.11	1.49	0.74	1.84	2.40	2.18	2.06	0.96	0.27	0.34	0.27	0.21	
25	0.14	2.40	0.74	1.31	2.29	2.06	1.95	0.90	0.40	0.27	0.27	0.27	
26	0.18	1.49	0.62	1.31	2.18	2.40	1.84	0.85	0.37	0.27	0.27	0.34	
27	0.14	1.14	0.68	1.22	2.18	2.74	1.75	0.85	0.40	0.27	0.27	0.34	
28	1.66	1.05	0.74	1.49	2.29	2.85	1.84	0.90	0.40	0.27	0.27	0.34	
29	0.51	0.11	0.62	1.40	2.06	2.62	1.95	0.85	0.40	0.27	0.27	0.34	
30	0.34	0.62	0.62	1.14	1.84	3.42	1.95	0.85	0.46	0.27		0.34	
31		0.62		1.14	1.84		1.95		0.40	0.27		0.34	
TOTAL	7.11	20.27	41.85	45.49	80.80	103.20	84.32	35.02	16.67	10.38	7.83	7.53	460.47 CMSDAY
MEAN	0.24	0.65	1.39	1.47	2.61	3.44	2.72	1.17	0.54	0.33	0.27	0.24	1.26 CMS
MAX	1.66	2.40	6.66	5.92	9.46	5.60	6.66	1.84	0.90	0.40	0.27	0.34	9.46 CMS
MIN	0.11	0.11	0.62	0.57	1.31	2.06	1.75	0.85	0.27	0.27	0.27	0.21	0.11 CMS
RUNOFF	0.614	1.751	3.616	3.930	6.981	8.916	7.285	3.026	1.440	0.897	0.677	0.651	39.785 MCM

MOMENTARY PEAK 16.78 CMS, AT 267.69 M (MSL), AT 12.00 HOURS, ON JUL 22, 1979
RUNOFF YIELD 3.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 43.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

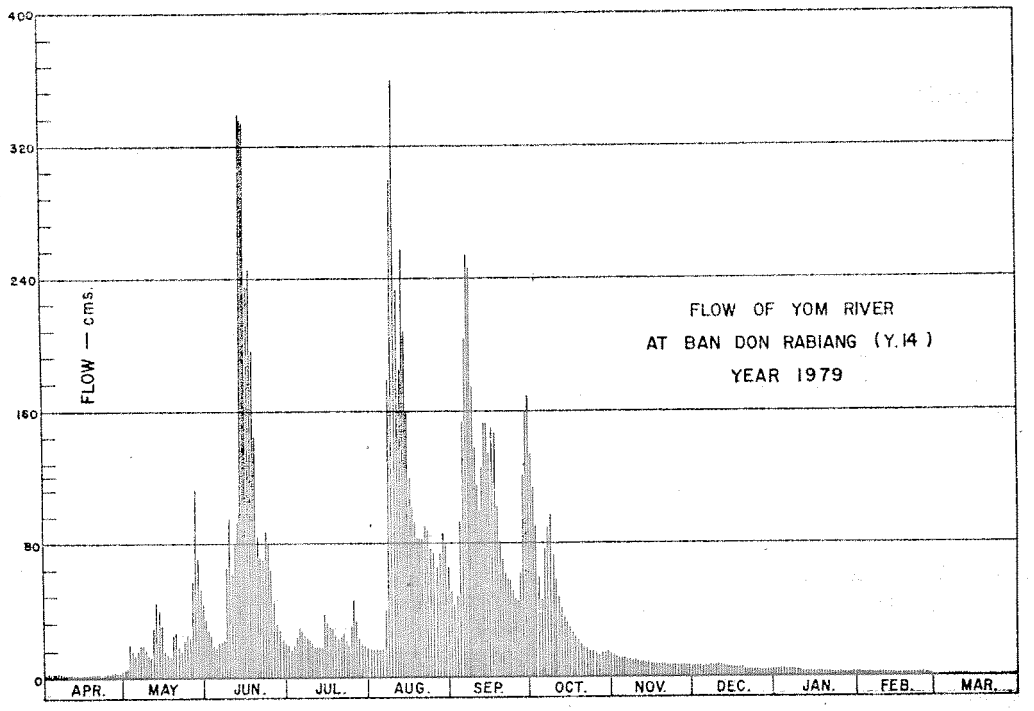
YOM RIVER AT BAN DON RABIANG, SUKHOTHAI (Y.14)

LOCATION	LAT. 17°-35'-42" N., LONG. 99°-43'-08" E., ON LEFT BANK ABOUT 50 METERS FROM SI SATCHANALAI-DEN CHAI HIGHWAY NO. 101 AT KILOMETER MARKER 44 TH., AMPHOE SI SATCHANALAI, SUKHOTHAI.
DRAINAGE AREA	12,131 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+65.10 M. (M.S.L.)
BENCH MARK	B.M.-H.S. NO.1
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+78.363 M. (M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1964 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 57 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	65.69	65.86	66.41	66.24	66.18	66.75	67.60	66.10	65.92	65.79	65.73	65.64	
2	65.69	66.24	66.37	66.20	66.19	66.61	67.36	66.09	65.92	65.79	65.73	65.64	
3	65.69	66.25	66.24	66.17	66.18	66.66	67.04	66.07	65.92	65.79	65.73	65.63	
4	65.68	66.10	66.19	66.24	66.17	67.01	66.82	66.06	65.92	65.78	65.73	65.63	
5	65.68	66.08	66.20	66.44	66.18	67.32	66.64	66.05	65.92	65.77	65.73	65.62	
6	65.67	66.23	66.26	66.41	66.19	67.94	67.00	66.05	65.92	65.77	65.72	65.62	
7	65.67	66.23	66.38	66.35	66.32	68.44	67.25	66.03	65.92	65.77	65.72	65.62	
8	65.67	66.20	66.67	66.33	67.45	68.38	67.22	66.02	65.91	65.77	65.71	65.62	
9	65.66	66.12	67.21	66.31	68.57	67.84	67.05	66.01	65.91	65.77	65.71	65.62	
10	65.66	66.08	66.85	66.27	69.10	67.48	66.84	66.00	65.91	65.76	65.70	65.61	
11	65.62	66.06	67.02	66.22	68.45	67.38	66.71	65.99	65.91	65.76	65.70	65.61	
12	65.67	66.55	67.18	66.22	68.15	67.25	66.63	65.98	65.90	65.76	65.70	65.60	
13	65.66	66.64	67.92	66.23	67.95	67.70	66.56	65.97	65.89	65.76	65.70	65.60	
14	65.69	66.44	68.98	66.22	68.46	67.70	66.50	65.96	65.88	65.76	65.70	65.60	
15	65.68	66.26	68.94	66.53	67.90	67.55	66.45	65.95	65.88	65.76	65.70	65.61	
16	65.68	66.16	68.31	66.46	67.49	67.68	66.39	65.95	65.87	65.75	65.70	65.62	
17	65.68	66.10	68.38	66.41	67.28	67.52	66.34	65.95	65.86	65.75	65.70	65.62	
18	65.68	66.09	67.92	66.42	67.17	67.33	66.31	65.95	65.85	65.75	65.70	65.63	
19	65.69	66.35	67.43	66.34	67.07	67.10	66.28	65.94	65.84	65.74	65.69	65.63	
20	65.69	66.38	67.14	66.29	67.08	66.97	66.24	65.94	65.83	65.74	65.69	65.65	
21	65.69	66.21	66.95	66.30	67.08	66.88	66.20	65.93	65.82	65.74	65.69	65.75	
22	65.60	66.15	66.95	66.35	67.15	66.81	66.18	65.93	65.82	65.74	65.68	65.73	
23	65.60	66.16	67.13	66.31	67.13	66.80	66.16	65.93	65.82	65.74	65.68	65.71	
24	65.68	66.35	67.01	66.22	67.01	66.77	66.15	65.93	65.81	65.74	65.68	65.69	
25	65.67	66.32	66.77	66.32	67.01	66.68	66.13	65.93	65.80	65.74	65.67	65.67	
26	65.71	66.44	66.60	66.66	66.94	66.64	66.11	65.92	65.79	65.74	65.67	65.66	
27	65.75	67.37	66.49	66.45	66.88	66.81	66.10	65.92	65.79	65.73	65.66	65.64	
28	65.72	67.15	66.41	66.32	66.98	67.37	66.13	65.92	65.79	65.73	65.65	65.63	
29	65.71	66.78	66.35	66.27	67.10	67.75	66.15	65.92	65.79	65.73	65.65	65.63	
30	65.83	66.67	66.28	66.24	67.06	67.79	66.14	65.92	65.79	65.73		65.62	
31		66.57		66.20	66.89		66.12		65.79	65.73		65.62	
MEAN	65.68	66.34	67.03	66.32	67.19	67.30	66.54	65.98	65.86	65.75	65.70	65.64	
MAX	65.83	67.37	68.98	66.66	69.10	68.44	67.60	66.10	65.92	65.79	65.73	65.75	69.10
MIN	65.60	65.86	66.19	66.17	66.17	66.61	66.10	65.92	65.79	65.73	65.65	65.60	65.60

ANNUAL MAX MOMENTARY GAGE HEIGHT 69.35 M (MSL), AT 1.00 HOURS, ON JUN 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 65.10 M (MSL), RIVER BED 63.89 M (MSL)
LEFT BANK ELEVATION 78.33 M (MSL)
RIGHT BANK ELEVATION 77.02 M (MSL), DRAINAGE AREA 12131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.90	5.50	29.60	20.00	17.00	53.00	140.00	13.00	7.10	3.80	2.60	1.40	
2	1.90	20.00	27.20	18.00	17.50	42.70	111.60	12.65	7.10	3.80	2.60	1.40	
3	1.90	20.50	20.00	16.50	17.00	46.20	79.00	11.95	7.10	3.80	2.60	1.30	
4	1.80	13.00	17.50	20.00	16.50	76.00	58.80	11.60	7.10	3.60	2.60	1.30	
5	1.80	12.30	18.00	31.40	17.00	107.20	44.80	11.25	7.10	3.40	2.60	1.20	
6	1.70	19.50	21.00	29.60	17.50	184.20	75.00	11.25	7.10	3.40	2.40	1.20	
7	1.70	19.50	27.80	26.00	24.20	254.00	100.00	10.55	7.10	3.40	2.40	1.20	
8	1.70	18.00	46.90	24.80	121.50	245.00	97.00	10.20	6.80	3.40	2.20	1.20	
9	1.60	14.00	96.00	23.60	273.50	171.20	80.00	9.85	6.80	3.40	2.20	1.20	
10	1.60	12.30	61.50	21.50	358.00	124.80	60.60	9.50	6.80	3.20	2.00	1.10	
11	1.90	11.60	77.00	19.00	255.50	113.80	49.80	9.20	6.80	3.20	2.00	1.10	
12	1.70	38.50	93.00	19.00	211.50	100.00	44.10	8.90	6.50	3.20	2.00	1.00	
13	1.60	44.80	181.60	19.50	185.50	153.00	39.20	8.60	6.25	3.20	2.00	1.00	
14	1.90	31.40	338.80	19.00	257.00	153.00	35.00	8.30	6.00	3.20	2.00	1.00	
15	1.80	21.00	332.40	37.10	179.00	133.50	32.00	8.00	6.00	3.20	2.00	1.10	
16	1.80	16.00	234.50	32.60	125.90	150.40	28.40	8.00	5.75	3.00	2.00	1.20	
17	1.80	13.00	245.00	29.60	103.00	129.60	25.40	8.00	5.50	3.00	2.00	1.20	
18	1.80	12.65	181.60	30.20	92.00	108.30	23.60	8.00	5.25	3.00	2.00	1.30	
19	1.90	26.00	119.30	25.40	82.00	85.00	22.00	7.70	5.00	2.80	1.90	1.30	
20	1.90	27.80	89.00	22.50	83.00	72.30	20.00	7.70	4.75	2.80	1.90	1.50	
21	1.90	18.50	70.50	23.00	83.00	64.20	18.00	7.40	4.50	2.80	1.90	3.00	
22	1.00	15.50	70.50	26.00	90.00	57.90	17.00	7.40	4.50	2.80	1.80	2.60	
23	1.00	16.00	88.00	23.60	88.00	57.00	16.00	7.40	4.50	2.80	1.80	2.20	
24	1.80	26.00	76.00	19.00	76.00	54.60	15.50	7.40	4.25	2.80	1.80	1.90	
25	1.70	24.20	54.60	24.20	76.00	47.60	14.50	7.40	4.00	2.80	1.70	1.70	
26	2.20	31.40	42.00	46.20	69.60	44.80	13.50	7.10	3.80	2.80	1.70	1.60	
27	3.00	112.70	34.40	32.00	64.20	57.90	13.00	7.10	3.80	2.60	1.60	1.40	
28	2.40	90.00	29.60	24.20	73.20	112.70	14.50	7.10	3.80	2.60	1.50	1.30	
29	2.20	55.40	26.00	21.50	85.00	159.50	15.50	7.10	3.80	2.60	1.50	1.30	
30	4.75	46.90	22.00	20.00	81.00	164.70	15.00	7.10	3.80	2.60		1.20	
31		39.90		18.00	65.10		14.00		3.80	2.60		1.20	
TOTAL	57.65	873.85	2771.30	763.00	3305.20	3324.10	1332.80	266.70	172.45	95.60	59.30	43.60	13065.54 CMSDAY
MEAN	1.92	28.19	92.38	24.61	106.62	110.80	42.99	8.89	5.56	3.08	2.04	1.41	35.70 CMS
MAX	4.75	112.70	338.80	46.20	358.00	254.00	140.00	13.00	7.10	3.80	2.60	3.00	358.00 CMS
MIN	1.00	5.50	17.50	16.50	16.50	42.70	13.00	7.10	3.80	2.60	1.50	1.00	1.00 CMS
RUNOFF	4.981	75.501	239.440	65.923	285.569	287.202	115.154	23.043	14.900	8.260	5.124	3.767	1128.862 MCM

MOMENTARY PEAK 403.00 CMS, AT 69.35 M (MSL), AT 1.00 HOURS, ON JUN 15, 1979

RUNOFF YIELD 2.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

YOM RIVER AT SAM NGAM, PHICHIT (Y.17)

LOCATION — LAT. 16°-30'-50" N, LONG. 100°-12'-40" E., ON LEFT BANK INFRONT OF AMPHOE SAM NGAM OFFICE, PHICHIT.

DRAINAGE AREA — 21,415 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +31.49 M. (M.S.L.)

BENCH MARK — B.M.-R.I.D./Y.17

LOCATION — ABOUT 6 METERS DOWNSTREAM FROM THE GAGE SITE.

ELEVATION — +37.838 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

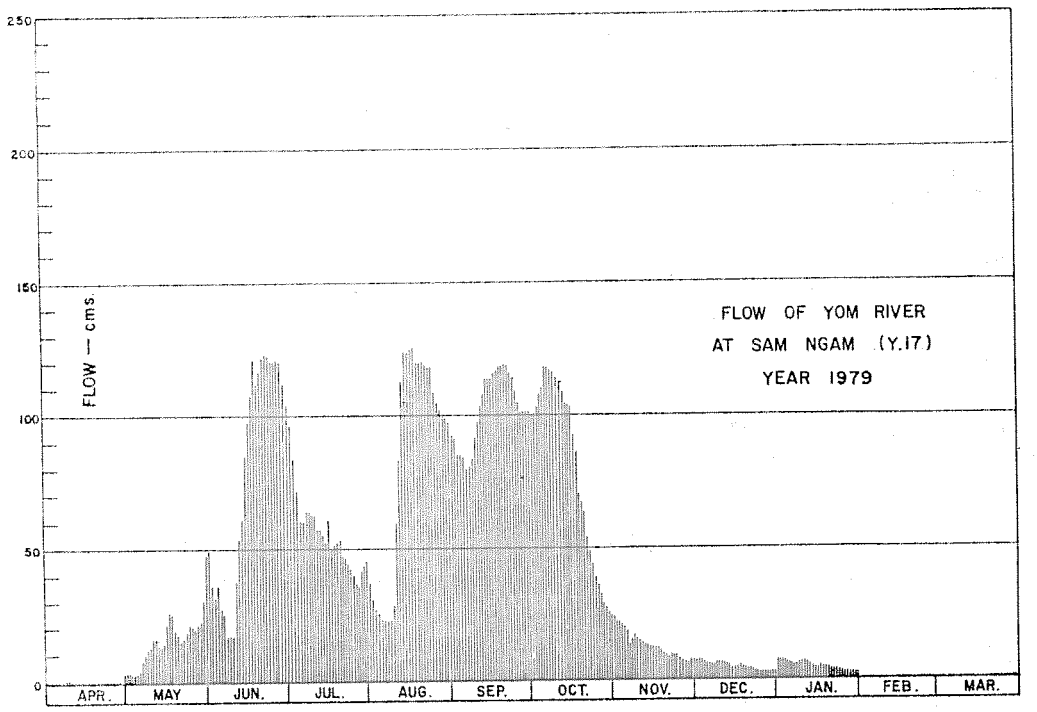
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 87 DISCHARGE MEASUREMENTS MADE IN 1967. UPSTREAM STATE DIVERSIONS FOR IRRIGATION OF ABOUT 24,000 HECTARES.

REMARKS — ESTIMATED GAGE HEIGHT DURING MAR 1-31,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	31.75	32.02	33.18	34.14	32.88	33.96	34.09	32.64	32.19	32.19	31.70	31.48	
2	31.74	31.99	33.10	34.05	32.78	33.95	34.12	32.61	32.19	32.19	31.69	31.48	
3	31.75	31.99	33.03	33.86	32.72	33.85	34.17	32.59	32.18	32.18	31.69	31.47	
4	31.75	31.98	32.92	33.67	32.67	33.84	34.22	32.57	32.16	32.16	31.69	31.46	
5	31.76	31.99	32.80	33.42	32.63	33.83	34.27	32.54	32.14	32.14	31.69	31.44	
6	31.78	32.04	32.72	33.39	32.63	33.78	34.36	32.50	32.13	32.13	31.69	31.42	
7	31.85	32.18	32.67	33.40	32.62	33.75	34.36	32.40	32.13	32.12	31.69	31.40	
8	31.84	32.32	32.50	33.47	32.61	33.81	34.35	32.48	32.12	32.13	31.68	31.39	
9	31.81	32.39	32.47	33.47	32.64	33.89	34.34	32.46	32.14	32.14	31.68	31.39	
10	31.76	32.37	32.49	33.44	32.82	33.98	34.30	32.43	32.16	32.16	31.67	31.39	
11	31.75	32.44	32.84	33.46	33.41	34.07	34.29	32.41	32.16	32.16	31.67	31.39	
12	31.76	32.45	33.20	33.34	33.85	34.16	34.28	32.40	32.14	32.14	31.68	31.38	
13	31.77	32.39	33.33	33.32	34.21	34.23	34.22	32.38	32.13	32.13	31.68	31.37	
14	31.78	32.35	33.43	33.28	34.45	34.29	34.16	32.37	32.08	32.08	31.67	31.36	
15	31.77	32.38	33.76	33.24	34.44	34.31	34.15	32.35	32.06	32.06	31.68	31.34	
16	31.76	32.58	34.03	33.41	34.45	34.31	34.04	32.35	32.08	32.08	31.68	31.33	
17	31.76	32.71	34.21	33.19	34.48	34.33	33.94	32.35	32.08	32.10	31.67	31.32	
18	31.78	32.65	34.41	33.22	34.40	34.36	33.85	32.33	32.11	32.09	31.67	31.31	
19	31.77	32.53	34.26	33.25	34.39	34.36	33.55	32.29	32.07	32.07	31.68	31.30	
20	31.77	32.49	34.30	33.26	34.40	34.38	33.53	32.25	32.07	32.06	31.66	31.29	
21	31.74	32.43	34.35	33.15	34.40	34.38	33.36	32.24	32.04	32.04	31.65	31.29	
22	31.72	32.42	34.41	33.15	34.37	34.36	33.25	32.21	32.05	32.03	31.62	31.27	
23	31.76	32.47	34.44	33.11	34.36	34.31	33.15	32.25	32.02	32.01	31.59	31.26	
24	31.75	32.52	34.41	33.06	34.36	34.30	33.05	32.25	32.00	32.00	31.57	31.25	
25	31.75	32.58	34.40	33.03	34.23	34.20	32.99	32.25	31.99	31.99	31.54	31.25	
26	31.75	32.56	34.40	32.98	34.18	34.15	32.93	32.19	31.99	31.98	31.53	31.25	
27	31.77	32.52	34.41	32.91	34.14	34.10	32.81	32.18	31.98	31.97	31.53	31.23	
28	31.78	32.58	34.35	32.90	34.10	34.10	32.74	32.16	31.97	31.97	31.51	31.22	
29	31.79	32.63	34.30	33.07	34.09	34.11	32.72	32.15	31.96	31.96	31.50	31.20	
30	31.98	32.91	34.26	33.10	34.06	34.11	32.69	32.18	31.96	31.95		31.19	
31		33.14		33.00	34.02		32.66		31.95	31.95		31.16	
MEAN	31.77	32.42	33.65	33.31	33.74	34.12	33.71	32.36	32.08	32.08	31.64	31.33	
MAX	31.98	33.14	34.44	34.14	34.48	34.38	34.36	32.64	32.19	32.19	31.70	31.48	34.48
MIN	31.72	31.98	32.47	32.90	32.61	33.75	32.66	32.15	31.95	31.95	31.50	31.16	31.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 34.49 M (MSL), AT 6.00 HOURS, ON AUG 17, 1979
ZERO GAGE AT BOTTOM ELEVATION 31.49 M (MSL), RIVER BED 30.30 M (MSL)
LEFT BANK ELEVATION 37.96 M (MSL)
RIGHT BANK ELEVATION 37.24 M (MSL), DRAINAGE AREA 21415 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	3.50	48.90	103.25	34.14	91.97	100.00	23.50	7.50	7.50	0.00	0.00	
2	0.00	2.90	44.90	97.52	29.55	91.36	101.95	22.30	7.50	7.50	0.00	0.00	
3	0.00	2.90	41.40	85.93	26.85	85.34	105.20	21.50	7.24	7.24	0.00	0.00	
4	0.00	2.73	36.04	75.00	24.70	84.75	108.45	20.70	6.72	6.72	0.00	0.00	
5	0.00	2.90	30.46	61.32	23.10	84.16	111.70	19.50	6.20	6.20	0.00	0.00	
6	0.00	3.90	26.85	59.70	23.10	81.23	117.69	17.90	5.94	5.94	0.00	0.00	
7	0.72	7.24	24.70	60.24	22.70	79.52	117.69	13.90	5.94	5.68	0.00	0.00	
8	0.60	11.40	17.90	64.02	22.30	82.98	117.02	17.10	5.68	5.94	0.00	0.00	
9	0.24	11.70	16.70	64.02	23.50	87.70	116.35	16.30	6.20	6.20	0.00	0.00	
10	0.00	12.90	17.50	62.40	31.38	93.19	113.67	15.10	6.72	6.72	0.00	0.00	
11	0.00	15.50	32.30	63.48	60.78	98.76	113.00	14.30	6.72	6.72	0.00	0.00	
12	0.00	15.90	49.91	57.10	85.34	104.55	112.35	13.90	6.20	6.20	0.00	0.00	
13	0.00	13.50	56.58	56.06	107.80	109.10	108.45	13.20	5.94	5.94	0.00	0.00	
14	0.00	12.30	61.86	53.99	123.78	113.00	104.55	12.90	4.70	4.70	0.00	0.00	
15	0.00	13.20	80.09	51.95	123.10	114.34	103.90	12.30	4.30	4.30	0.00	0.00	
16	0.00	21.10	96.28	60.78	123.78	114.34	96.90	12.30	4.70	4.70	0.00	0.00	
17	0.00	26.40	107.80	49.40	125.82	115.68	90.75	12.30	4.70	5.16	0.00	0.00	
18	0.00	23.90	121.06	50.93	120.38	117.69	85.34	11.70	5.42	4.90	0.00	0.00	
19	0.00	19.10	111.05	52.46	119.70	117.69	68.40	10.50	4.50	4.50	0.00	0.00	
20	0.00	17.50	113.67	52.97	120.38	119.03	67.30	9.30	4.50	4.30	0.00	0.00	
21	0.00	15.10	117.02	47.40	120.38	119.03	58.14	9.00	3.90	3.90	0.00	0.00	
22	0.00	14.70	121.06	47.40	118.36	117.69	52.46	8.10	4.10	3.70	0.00	0.00	
23	0.00	16.70	123.10	45.40	117.69	114.34	47.40	9.30	3.90	3.30	0.00	0.00	
24	0.00	18.70	121.06	42.90	117.69	113.67	42.40	9.30	3.10	3.10	0.00	0.00	
25	0.00	21.10	120.38	41.40	109.10	107.15	39.40	9.30	2.90	2.90	0.00	0.00	
26	0.00	20.30	120.38	38.92	105.85	103.90	36.52	7.50	2.90	2.73	0.00	0.00	
27	0.00	18.70	121.06	35.56	103.25	100.65	30.92	7.24	2.73	2.96	0.00	0.00	
28	0.00	21.10	117.02	35.08	100.65	100.65	27.75	6.72	2.56	2.56	0.00	0.00	
29	0.00	23.10	113.67	43.40	100.00	101.30	26.85	6.46	2.39	2.39	0.00	0.00	
30	2.73	35.56	111.05	44.90	98.14	101.30	25.50	7.24	2.39	2.22		0.00	
31		46.90		39.90	95.66		24.30		2.22	2.22		0.00	
TOTAL	4.29	492.43	2321.75	1744.78	2558.95	3066.06	2472.30	390.66	150.01	148.64	0.00	0.00	13349.85 CMSDAY
MEAN	0.14	15.88	77.39	56.28	82.55	102.20	79.75	13.02	4.84	4.79	0.00	0.00	36.48 CMS
MAX	2.73	46.90	123.10	103.25	125.82	119.03	117.69	23.50	7.50	7.50	0.00	0.00	125.82 CMS
MIN	0.00	2.73	16.70	35.08	22.30	79.52	24.30	6.46	2.22	2.22	0.00	0.00	0.00 CMS
RUNOFF	0.371	42.546	200.599	150.749	221.093	264.907	213.606	33.753	12.961	12.842	0.000	0.000	1153.427 MCM

MOMENTARY PEAK 126.50 CMS, AT 34.49 M (MSL), AT 6.00 HOURS, ON AUG 17, 1979

RUNOFF YIELD 1.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 5.91 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

NAM NGIM AT BAN HAE, PHAYAO (Y.19)

LOCATION — LAT. 19°-18'-10" N., LONG. 100°-23'-35" E., ON LEFT BANK ABOUT 200 METERS DOWNSTREAM FROM CONFLUENCE WITH HUAI NAM KHA AND ABOUT 300 METERS UPSTREAM FROM BAN HAE WEIR, AMPHOE PONG, PHAYAO.

DRAINAGE AREA — 155 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +346.30 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +350.401 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1968 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968-1971

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968-1971

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

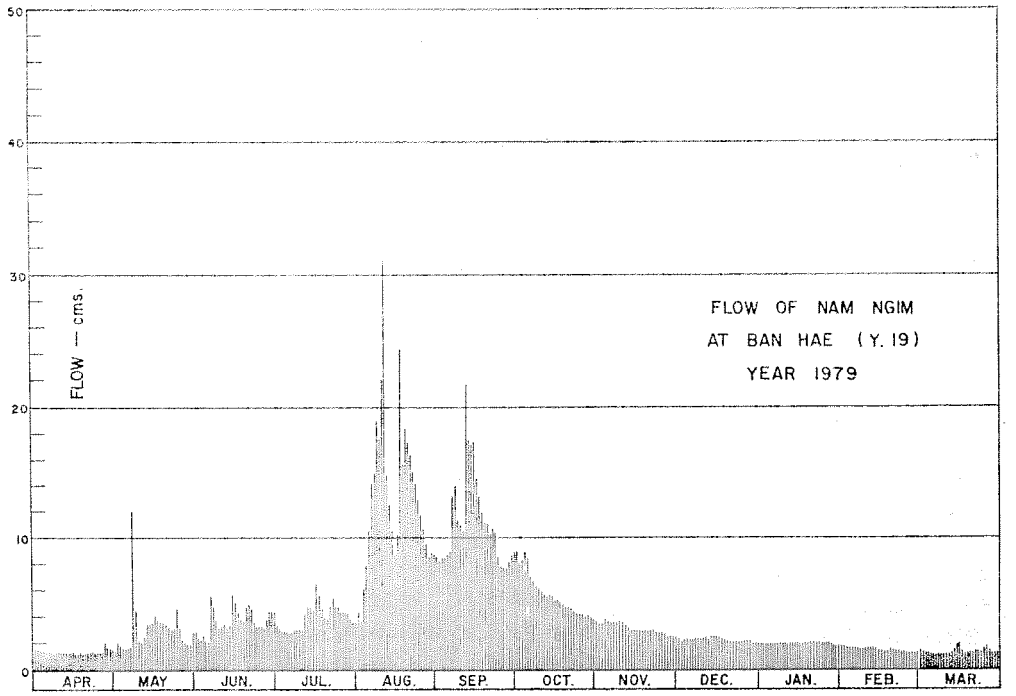
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 166 DISCHARGE MEASUREMENTS MADE IN 1971.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	346.92	346.92	347.04	347.07	347.09	347.28	347.30	347.08	347.01	346.97	346.95	346.89	
2	346.92	346.90	347.00	347.06	347.12	347.27	347.27	347.07	347.00	346.96	346.94	346.91	
3	346.91	346.98	346.99	347.04	347.13	347.28	347.26	347.08	346.99	346.96	346.94	346.90	
4	346.91	346.94	347.02	347.03	347.25	347.28	347.30	347.09	347.00	346.96	346.94	346.89	
5	346.91	346.93	346.99	347.04	347.27	347.29	347.29	347.08	347.00	346.96	346.94	346.89	
6	346.91	346.93	346.99	347.03	347.36	347.30	347.24	347.08	347.00	346.96	346.93	346.88	
7	346.90	346.94	347.18	347.03	347.46	347.42	347.22	347.08	347.00	346.96	346.93	346.88	
8	346.90	347.39	347.12	347.04	347.47	347.44	347.22	347.08	347.00	346.96	346.93	346.87	
9	346.90	347.11	347.04	347.04	347.56	347.37	347.20	347.08	347.00	346.96	346.93	346.89	
10	346.90	346.99	347.06	347.05	347.53	347.36	347.20	347.08	347.00	346.97	346.93	346.88	
11	346.90	346.98	347.06	347.04	347.78	347.34	347.19	347.07	347.00	346.97	346.94	346.88	
12	346.90	346.97	347.07	347.11	347.54	347.62	347.18	347.06	347.00	346.97	346.94	346.89	
13	346.90	347.06	347.05	347.14	347.43	347.52	347.17	347.04	347.00	346.97	346.94	346.89	
14	346.90	347.08	347.07	347.14	347.38	347.52	347.18	347.04	347.00	346.97	346.93	346.89	
15	346.90	347.08	347.18	347.12	347.34	347.51	347.17	347.04	347.01	346.98	346.92	346.95	
16	346.90	347.08	347.15	347.13	347.28	347.45	347.16	347.04	347.01	346.97	346.92	346.97	
17	346.88	347.11	347.12	347.21	347.38	347.43	347.16	347.04	347.01	346.97	346.92	346.94	
18	346.89	347.08	347.09	347.15	347.67	347.38	347.15	347.04	347.01	346.97	346.91	346.90	
19	346.89	347.07	347.08	347.12	347.49	347.36	347.14	347.04	347.00	346.98	346.91	346.90	
20	346.89	347.07	347.14	347.10	347.55	347.36	347.14	347.04	346.98	346.97	346.93	346.91	
21	346.90	347.07	347.15	347.09	347.52	347.34	347.14	347.04	346.98	346.98	346.92	346.90	
22	346.90	347.05	347.12	347.15	347.50	347.35	347.13	347.04	346.98	346.97	346.92	346.91	
23	346.91	347.04	347.08	347.17	347.46	347.34	347.12	347.03	346.98	346.98	346.91	346.91	
24	346.90	347.05	347.06	347.14	347.44	347.28	347.11	347.03	346.98	346.97	346.90	346.90	
25	346.90	347.13	347.06	347.14	347.41	347.26	347.11	347.03	346.98	346.97	346.90	346.92	
26	346.90	347.02	347.06	347.12	347.36	347.26	347.11	347.03	346.98	346.97	346.90	346.96	
27	346.91	346.99	347.04	347.12	347.34	347.25	347.10	347.02	346.98	346.97	346.89	346.92	
28	346.97	346.98	347.12	347.12	347.31	347.27	347.11	347.02	346.98	346.96	346.89	346.90	
29	346.93	346.96	347.12	347.11	347.28	347.28	347.10	347.02	346.97	346.96	346.89	346.90	
30	346.92	346.95	347.12	347.09	347.29	347.29	347.10	347.01	346.97	346.95		346.90	
31		347.02		347.08	347.29		347.08		346.97	346.95		346.90	
MEAN	346.91	347.03	347.08	347.10	347.40	347.36	347.17	347.05	346.99	346.97	346.92	346.90	
MAX	346.97	347.39	347.18	347.21	347.78	347.62	347.30	347.09	347.01	346.98	346.95	346.97	347.78
MIN	346.88	346.90	346.99	347.03	347.09	347.25	347.08	347.01	346.97	346.95	346.89	346.87	346.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 348.44 M (MSL), AT 8:00 HOURS, ON AUG 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 346.30 M (MSL), RIVER BED 346.59 M (MSL)
LEFT BANK ELEVATION 350.92 M (MSL)
RIGHT BANK ELEVATION 350.09 M (MSL), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.50	1.50	2.94	3.42	3.74	8.42	9.00	3.58	2.46	2.00	1.80	1.24	
2	1.50	1.30	2.30	3.26	4.34	8.13	8.13	3.42	2.30	1.90	1.70	1.40	
3	1.40	2.10	2.20	2.94	4.56	8.42	7.84	3.58	2.20	1.90	1.70	1.30	
4	1.40	1.70	2.62	2.78	7.55	8.42	9.00	3.74	2.30	1.90	1.70	1.24	
5	1.40	1.60	2.20	2.94	8.13	8.71	8.71	3.58	2.30	1.90	1.70	1.24	
6	1.40	1.60	2.20	2.78	11.04	9.00	7.26	3.58	2.30	1.90	1.60	1.18	
7	1.30	1.70	5.66	2.78	14.68	13.16	6.68	3.58	2.30	1.90	1.60	1.18	
8	1.30	12.06	4.34	2.94	15.06	13.92	6.68	3.58	2.30	1.90	1.60	1.12	
9	1.30	4.12	2.94	2.94	18.84	11.38	6.10	3.58	2.30	1.90	1.60	1.24	
10	1.30	2.20	3.26	3.10	17.52	11.04	6.10	3.58	2.30	2.00	1.60	1.18	
11	1.30	2.10	3.26	2.94	30.96	10.36	5.88	3.42	2.30	2.00	1.70	1.18	
12	1.30	2.00	3.42	4.12	17.96	21.68	5.66	3.26	2.30	2.00	1.70	1.24	
13	1.30	3.26	3.10	4.78	13.54	17.08	5.44	2.94	2.30	2.00	1.70	1.24	
14	1.30	3.58	3.42	4.78	11.72	17.08	5.66	2.94	2.30	2.00	1.60	1.24	
15	1.30	3.58	5.66	4.34	10.36	16.64	5.44	2.94	2.46	2.10	1.50	1.80	
16	1.30	3.58	5.00	4.56	8.42	14.30	5.22	2.94	2.46	2.00	1.50	2.00	
17	1.18	4.12	4.34	6.39	11.72	13.54	5.22	2.94	2.46	2.00	1.50	1.70	
18	1.24	3.58	3.74	5.00	24.38	11.72	5.00	2.94	2.46	2.00	1.40	1.30	
19	1.24	3.42	3.58	4.34	15.82	11.04	4.78	2.94	2.30	2.10	1.40	1.30	
20	1.24	3.42	4.78	3.90	18.40	11.04	4.78	2.94	2.10	2.00	1.60	1.40	
21	1.30	3.42	5.00	3.74	17.08	10.36	4.78	2.94	2.10	2.10	1.50	1.30	
22	1.30	3.10	4.34	5.00	16.20	10.70	4.56	2.94	2.10	2.00	1.50	1.40	
23	1.40	2.94	3.58	5.44	14.68	10.36	4.34	2.78	2.10	2.10	1.40	1.40	
24	1.30	3.10	3.26	4.78	13.92	8.42	4.12	2.78	2.10	2.00	1.30	1.30	
25	1.30	4.56	3.26	4.78	12.78	7.84	4.12	2.78	2.10	2.00	1.30	1.50	
26	1.30	2.62	3.26	4.34	11.04	7.84	4.12	2.78	2.10	2.00	1.30	1.90	
27	1.40	2.20	2.94	4.34	10.36	7.55	3.90	2.62	2.10	2.00	1.24	1.50	
28	2.00	2.10	4.34	4.34	9.34	8.13	4.12	2.62	2.10	1.90	1.24	1.30	
29	1.60	1.90	4.34	4.12	8.42	8.42	3.90	2.62	2.00	1.90	1.24	1.30	
30	1.50	1.80	4.34	3.74	8.71	8.71	3.90	2.46	2.00	1.80		1.30	
31		2.62		3.58	8.71		3.58		2.00	1.80		1.30	
TOTAL	40.90	92.88	109.62	123.23	399.98	333.41	174.02	93.32	69.30	61.00	44.22	42.22	1584.10 CMSDAY
MEAN	1.36	3.00	3.65	3.98	12.90	11.11	5.61	3.11	2.24	1.97	1.52	1.36	4.33 CMS
MAX	2.00	12.06	5.66	6.39	30.96	21.68	9.00	3.74	2.46	2.10	1.80	2.00	30.96 CMS
MIN	1.18	1.30	2.20	2.78	3.74	7.55	3.58	2.46	2.00	1.80	1.24	1.12	1.12 CMS
RUNOFF	3.534	8.025	9.471	10.647	34.558	28.807	15.035	8.063	5.988	5.270	3.821	3.648	136.866 MCM

MOMENTARY PEAK 96.20 CMS, AT 348.44 M (MSL), AT 8.00 HOURS, ON AUG 18, 1979

RUNOFF YIELD 27.92 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 620.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

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

LOCATION — LAT. 18°-35'-03" N., LONG. 100°-09'-17" E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM SOP NGAO, TAMBON TAO POON, AMPHOE SONG, PHRAE.

DRAINAGE AREA — 5,410 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +180.976 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE AUTOMATIC GAGE BUILDING.

ELEVATION — +193.552 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1972 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

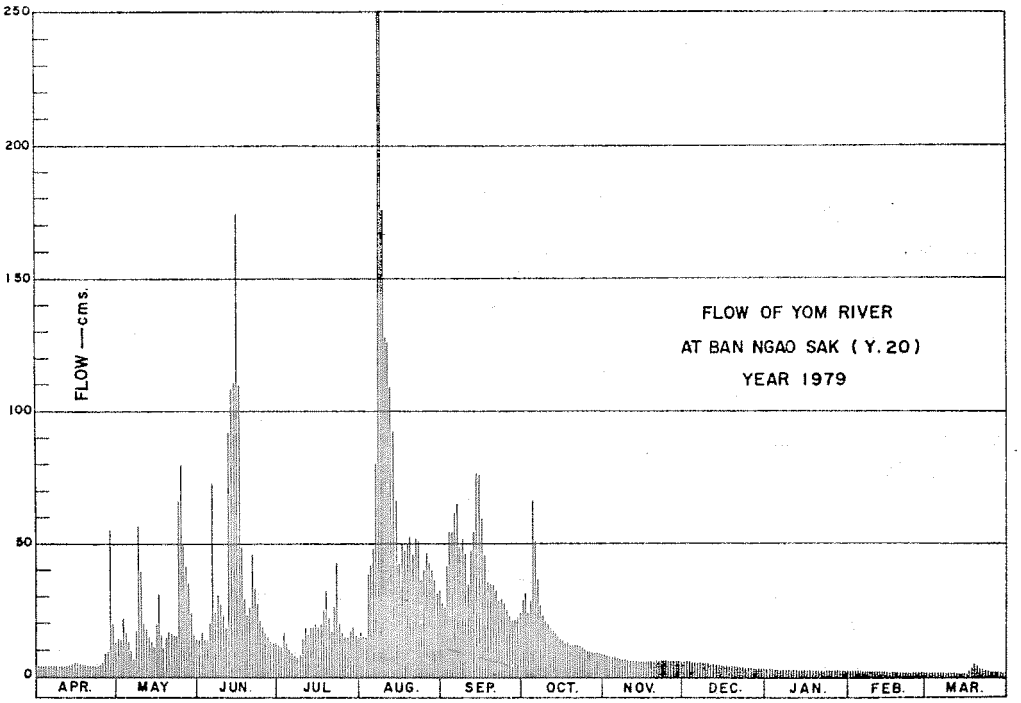
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 133 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	181.63	181.92	181.92	181.87	181.99	182.23	182.25	181.79	181.71	181.59	181.55	181.50	
2	181.63	181.93	182.00	181.86	181.96	182.20	182.30	181.77	181.70	181.59	181.55	181.49	
3	181.63	182.10	181.92	182.00	181.95	182.65	182.16	181.77	181.70	181.59	181.55	181.49	
4	181.63	181.98	181.92	181.90	182.42	182.65	182.23	181.76	181.70	181.58	181.55	181.49	
5	181.63	181.87	182.13	181.83	182.49	182.72	182.81	181.75	181.70	181.58	181.54	181.49	
6	181.63	181.81	182.74	181.80	182.58	182.80	182.53	181.75	181.70	181.58	181.53	181.49	
7	181.63	181.71	182.15	181.78	183.31	182.61	182.36	181.75	181.69	181.58	181.53	181.48	
8	181.63	182.00	182.29	181.75	184.87	182.56	182.20	181.74	181.69	181.58	181.53	181.48	
9	181.63	182.68	182.21	181.77	183.84	182.61	182.12	181.73	181.68	181.58	181.54	181.47	
10	181.63	182.39	182.10	181.93	183.53	182.44	182.07	181.72	181.68	181.58	181.54	181.48	
11	181.63	182.06	182.02	182.04	183.51	182.35	182.06	181.72	181.67	181.58	181.54	181.47	
12	181.63	181.99	183.14	181.97	183.32	182.58	182.02	181.72	181.67	181.58	181.53	181.47	
13	181.63	181.94	183.33	182.05	183.16	182.69	181.99	181.72	181.66	181.58	181.53	181.47	
14	181.66	181.92	183.35	182.05	182.79	182.96	181.98	181.71	181.65	181.57	181.53	181.48	
15	181.67	181.86	183.96	182.06	182.53	182.93	181.94	181.71	181.65	181.57	181.53	181.47	
16	181.66	182.28	183.18	182.04	182.45	182.68	181.92	181.71	181.65	181.57	181.52	181.50	
17	181.66	181.98	182.56	182.07	182.58	182.46	181.90	181.70	181.64	181.57	181.52	181.56	
18	181.65	181.86	182.26	182.23	182.54	182.37	181.89	181.70	181.64	181.57	181.52	181.61	
19	181.65	181.92	182.14	182.30	182.60	182.35	181.87	181.72	181.64	181.57	181.52	181.67	
20	181.62	182.00	182.18	182.10	182.64	182.35	181.87	181.70	181.64	181.57	181.52	181.61	
21	181.62	181.97	182.52	182.01	182.52	182.29	181.88	181.70	181.63	181.57	181.52	181.59	
22	181.62	181.97	182.34	182.30	182.60	182.25	181.87	181.70	181.63	181.57	181.52	181.57	
23	181.62	181.94	182.20	182.48	182.58	182.24	181.87	181.71	181.62	181.57	181.52	181.56	
24	181.63	182.80	182.09	182.09	182.37	182.25	181.84	181.71	181.61	181.57	181.52	181.54	
25	181.67	182.99	182.02	182.00	182.47	182.18	181.83	181.71	181.61	181.57	181.53	181.53	
26	181.79	182.57	181.98	181.95	182.53	182.13	181.82	181.71	181.61	181.56	181.52	181.53	
27	181.82	182.45	181.94	181.94	182.50	182.10	181.81	181.70	181.61	181.56	181.52	181.52	
28	182.67	182.27	181.91	182.02	182.43	182.12	181.80	181.70	181.61	181.56	181.52	181.52	
29	182.05	182.09	181.91	182.05	182.36	182.11	181.80	181.71	181.61	181.56	181.51	181.52	
30	181.89	181.98	181.89	181.98	182.27	182.16	181.80	181.71	181.61	181.55		181.51	
31		181.92		181.95	182.30		181.80		181.59	181.55		181.51	
MEAN	181.70	182.10	182.34	182.01	182.71	182.43	182.02	181.72	181.65	181.57	181.53	181.52	
MAX	182.67	182.99	183.96	182.48	184.87	182.96	182.81	181.79	181.71	181.59	181.55	181.67	184.87
MIN	181.62	181.71	181.89	181.75	181.95	182.10	181.80	181.70	181.59	181.55	181.51	181.47	181.47

ANNUAL MAX MOMENTARY GAGE HEIGHT 185.23 M (MSL), AT 8:00 HOURS, ON AUG 8, 1979
ZERO GAGE AT BOTTOM ELEVATION 180.98 M (MSL), RIVER BED 180.47 M (MSL)
LEFT BANK ELEVATION 193.55 M (MSL)
RIGHT BANK ELEVATION 193.88 M (MSL), DRAINAGE AREA 5410 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.04	13.80	13.80	11.80	16.60	28.15	29.25	8.70	6.30	3.03	2.35	1.50	
2	4.04	14.20	17.00	11.40	15.40	26.50	32.00	8.10	6.00	3.03	2.35	1.35	
3	4.04	21.50	13.80	17.00	15.00	55.00	24.50	8.10	6.00	3.03	2.35	1.35	
4	4.04	16.20	13.80	13.00	39.30	55.00	28.15	7.80	6.00	2.86	2.35	1.35	
5	4.04	11.80	23.00	10.20	43.85	60.00	66.75	7.50	6.00	2.86	2.18	1.35	
6	4.04	9.40	61.50	9.00	50.10	66.00	46.60	7.50	6.00	2.86	2.01	1.35	
7	4.04	6.30	24.00	8.40	107.45	52.20	35.60	7.50	5.72	2.86	2.01	1.20	
8	4.04	17.00	31.45	7.50	285.10	48.70	26.50	7.20	5.72	2.86	2.01	1.20	
9	4.04	57.10	27.05	8.10	160.40	52.20	22.50	6.90	5.44	2.86	2.18	1.05	
10	4.04	37.40	21.50	14.20	129.00	40.60	20.15	6.60	5.44	2.86	2.18	1.20	
11	4.04	19.70	17.90	18.80	127.00	35.00	19.70	6.60	5.16	2.86	2.18	1.05	
12	4.04	16.60	92.40	15.80	108.40	50.10	17.90	6.60	5.16	2.86	2.01	1.05	
13	4.04	14.60	109.35	19.25	94.10	57.80	16.60	6.60	4.88	2.86	2.01	1.05	
14	4.88	13.80	111.25	19.25	65.25	78.00	16.20	6.30	4.60	2.69	2.01	1.20	
15	5.16	11.40	173.60	19.70	46.60	75.75	14.60	6.30	4.60	2.69	2.01	1.05	
16	4.88	30.90	95.80	18.80	41.25	57.10	13.80	6.30	4.60	2.69	1.84	1.50	
17	4.88	16.20	48.70	20.15	50.10	41.90	13.00	6.00	4.32	2.69	1.84	2.52	
18	4.60	11.40	29.80	28.15	47.30	36.20	12.60	6.00	4.32	2.69	1.84	3.48	
19	4.60	13.80	23.50	32.00	51.50	35.00	11.80	6.60	4.32	2.69	1.84	5.16	
20	4.04	17.00	25.50	21.50	54.30	35.00	11.80	6.00	4.32	2.69	1.84	3.48	
21	3.76	15.80	45.90	17.45	45.90	31.45	12.20	6.00	4.04	2.69	1.84	3.03	
22	3.76	15.80	34.40	32.00	51.50	29.25	11.80	6.00	4.04	2.69	1.84	2.69	
23	3.76	14.60	26.50	43.20	50.10	28.70	11.80	6.30	3.76	2.69	1.84	2.52	
24	4.04	66.00	21.05	21.05	36.20	29.25	10.60	6.30	3.48	2.69	1.84	2.18	
25	5.16	80.25	17.90	17.00	42.55	25.50	10.20	6.30	3.48	2.69	2.01	2.01	
26	8.70	49.40	16.20	15.00	46.60	23.00	9.80	6.30	3.48	2.52	1.84	2.01	
27	9.80	41.25	14.60	14.60	44.50	21.50	9.40	6.00	3.48	2.52	1.84	1.84	
28	56.40	30.35	13.40	17.90	39.95	22.50	9.00	6.00	3.48	2.52	1.84	1.84	
29	19.25	21.05	13.40	19.25	35.60	22.00	9.00	6.30	3.48	2.52	1.67	1.84	
30	12.60	16.20	12.60	16.20	30.35	24.50	9.00	6.30	3.48	2.35		1.67	
31		13.80		15.00	32.00		9.00		3.03	2.35		1.67	
TOTAL	212.79	734.60	1190.65	552.65	2003.25	1243.85	591.80	201.00	144.13	84.75	57.95	57.74	7075.15 CMSDAY
MEAN	7.09	23.70	39.69	17.83	64.62	41.46	19.09	6.70	4.65	2.73	2.00	1.86	19.33 CMS
MAX	56.40	80.25	173.60	43.20	285.10	78.00	66.75	8.70	6.30	3.03	2.35	5.16	285.10 CMS
MIN	3.76	6.30	12.60	7.50	15.00	21.50	9.00	6.00	3.03	2.35	1.67	1.05	1.05 CMS
RUNOFF	18.385	63.469	102.872	47.749	173.081	107.469	51.131	17.366	12.453	7.322	5.007	4.989	611.293 MCM

MOMENTARY PEAK 334.20 CMS, AT 185.23 M (MSL), AT 8.00 HOURS, ON AUG 8, 1979

RUNOFF YIELD 3.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 61.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

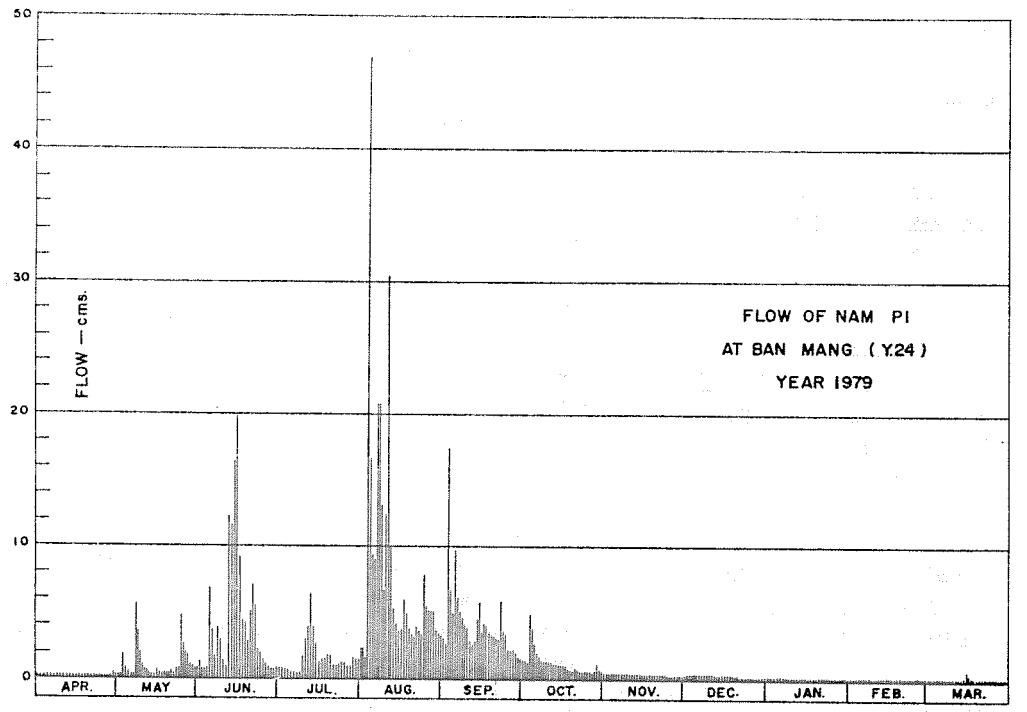
NAM PI AT BAN MANG, PHAYAO (Y.24)

LOCATION	LAT. 18°-53'-04" N., LONG. 100°-17'-24" E., ON RIGHT BANK UPSTREAM OF THE BRIDGE OF PONG SANUK-CHIANG MUAN ROAD, BAN MANG, AMPHOE CHIANG MUAN, PHAYAO.
DRAINAGE AREA	597 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+7.035 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	0.94	1.20	1.10	1.30	1.36	1.20	1.03	0.89	0.83	0.84	0.78	
2	0.84	1.00	1.09	1.09	1.31	1.32	1.20	1.02	0.97	0.83	0.83	0.78	
3	0.82	1.26	1.07	1.08	1.21	1.98	1.19	1.00	1.00	0.80	0.85	0.78	
4	0.82	1.11	1.09	1.06	2.41	1.57	1.48	1.02	0.99	0.80	0.84	0.78	
5	0.84	1.02	1.59	1.03	1.72	1.48	1.36	1.01	0.99	0.78	0.85	0.75	
6	0.84	0.94	1.40	1.00	1.68	1.71	1.28	1.01	1.00	0.75	0.83	0.75	
7	0.82	0.94	1.23	1.01	2.06	1.53	1.24	1.01	1.00	0.75	0.83	0.75	
8	0.83	1.52	1.36	1.01	2.06	1.46	1.20	1.00	0.99	0.80	0.84	0.78	
9	0.81	1.38	1.35	1.00	1.78	1.44	1.20	1.00	1.00	0.75	0.84	0.78	
10	0.80	1.23	1.20	1.22	1.58	1.41	1.18	0.99	0.99	0.78	0.84	0.76	
11	0.80	1.09	1.12	1.35	2.24	1.35	1.18	0.99	0.99	0.80	0.83	0.75	
12	0.82	1.04	1.82	1.42	1.78	1.32	1.18	0.99	0.98	0.80	0.81	0.75	
13	0.83	1.00	1.79	1.56	1.52	1.34	1.17	0.99	0.93	0.80	0.79	0.75	
14	0.84	0.96	1.95	1.41	1.43	1.45	1.15	0.98	0.92	0.79	0.75	0.76	
15	0.81	0.97	2.04	1.26	1.39	1.52	1.14	0.96	0.92	0.80	0.75	0.78	
16	0.80	1.04	1.69	1.17	1.40	1.40	1.14	0.95	0.95	0.79	0.75	1.04	
17	0.80	0.99	1.45	1.20	1.54	1.43	1.14	0.94	0.94	0.79	0.76	0.91	
18	0.81	0.99	1.44	1.21	1.47	1.39	1.10	0.93	0.94	0.80	0.76	0.89	
19	0.75	0.98	1.34	1.25	1.39	1.38	1.07	0.92	0.95	0.80	0.75	0.85	
20	0.75	0.99	1.49	1.24	1.37	1.38	1.05	0.93	0.93	0.79	0.75	0.84	
21	0.75	1.06	1.60	1.17	1.36	1.36	1.09	0.92	0.88	0.82	0.74	0.83	
22	0.75	1.01	1.51	1.13	1.42	1.35	1.06	0.95	0.87	0.84	0.77	0.83	
23	0.74	1.07	1.29	1.16	1.39	1.54	1.05	0.96	0.87	0.84	0.74	0.82	
24	0.74	1.10	1.24	1.17	1.37	1.40	1.04	0.93	0.86	0.85	0.79	0.81	
25	0.74	1.47	1.17	1.19	1.63	1.36	1.06	0.90	0.85	0.85	0.77	0.80	
26	0.74	1.30	1.14	1.16	1.50	1.28	1.04	0.89	0.87	0.80	0.78	0.81	
27	0.81	1.26	1.12	1.13	1.49	1.29	1.03	0.89	0.84	0.80	0.78	0.82	
28	0.30	1.18	1.10	1.11	1.49	1.29	1.03	0.90	0.83	0.85	0.77	0.80	
29	1.02	1.13	1.09	1.22	1.41	1.24	1.14	0.92	0.80	0.84	0.79	0.78	
30	0.96	1.11	1.12	1.20	1.39	1.22	1.07	0.92	0.80	0.81		0.75	
31		1.07		1.21	1.38		1.04		0.82	0.79		0.76	
MEAN	0.79	1.10	1.37	1.18	1.56	1.42	1.15	0.96	0.92	0.80	0.79	0.80	
MAX	1.02	1.52	2.04	1.56	2.41	1.98	1.48	1.03	1.00	0.85	0.85	1.04	2.41
MIN	0.30	0.94	1.07	1.00	1.21	1.22	1.03	0.89	0.80	0.75	0.74	0.75	0.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.68 M (A.D), AT 9.00 HOURS, ON AUG 4, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.21 M (A.D)
LEFT BANK ELEVATION 7.87 M (A.D)
RIGHT BANK ELEVATION 8.57 M (A.D), DRAINAGE AREA 597 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.28	1.40	0.80	2.30	3.08	1.40	0.52	0.18	0.06	0.08	0.00	
2	0.08	0.40	0.76	0.76	2.43	2.56	1.40	0.48	0.34	0.06	0.06	0.00	
3	0.04	1.94	0.68	0.72	1.49	17.48	1.34	0.40	0.40	0.00	0.10	0.00	
4	0.04	0.86	0.76	0.64	46.94	6.46	4.88	0.48	0.38	0.00	0.08	0.00	
5	0.08	0.48	6.82	0.52	9.78	4.88	3.08	0.44	0.38	0.00	0.10	0.00	
6	0.08	0.28	3.60	0.40	8.84	9.54	2.12	0.44	0.40	0.00	0.06	0.00	
7	0.04	0.28	1.67	0.44	20.66	5.74	1.76	0.44	0.40	0.00	0.06	0.00	
8	0.06	5.56	3.08	0.44	20.66	4.56	1.40	0.40	0.38	0.00	0.08	0.00	
9	0.02	3.34	2.95	0.40	11.22	4.24	1.40	0.40	0.40	0.00	0.08	0.00	
10	0.00	1.67	1.40	1.58	6.64	3.76	1.28	0.38	0.38	0.00	0.08	0.00	
11	0.00	0.76	0.92	2.95	30.40	2.95	1.28	0.38	0.38	0.00	0.06	0.00	
12	0.04	0.56	12.28	3.92	11.22	2.56	1.28	0.38	0.36	0.00	0.02	0.00	
13	0.06	0.40	11.46	6.28	5.56	2.82	1.22	0.38	0.26	0.00	0.00	0.00	
14	0.08	0.32	16.40	3.76	4.08	4.40	1.10	0.36	0.24	0.00	0.00	0.00	
15	0.02	0.34	19.84	1.94	3.47	5.56	1.04	0.32	0.24	0.00	0.00	0.00	
16	0.00	0.56	9.07	1.22	3.60	3.60	1.04	0.30	0.30	0.00	0.00	0.56	
17	0.00	0.38	4.40	1.40	5.92	4.08	1.04	0.28	0.28	0.00	0.00	0.22	
18	0.02	0.38	4.24	1.49	4.72	3.47	0.80	0.26	0.28	0.00	0.00	0.18	
19	0.00	0.36	2.82	1.85	3.47	3.34	0.68	0.24	0.30	0.00	0.00	0.10	
20	0.00	0.38	5.04	1.76	3.21	3.34	0.60	0.26	0.26	0.00	0.00	0.08	
21	0.00	0.64	7.00	1.22	3.08	3.08	0.76	0.24	0.16	0.04	0.00	0.06	
22	0.00	0.44	5.38	0.98	3.92	2.95	0.64	0.30	0.14	0.08	0.00	0.06	
23	0.00	0.68	2.21	1.16	3.47	5.92	0.60	0.32	0.14	0.08	0.00	0.04	
24	0.00	0.80	1.76	1.22	3.21	3.60	0.56	0.26	0.12	0.10	0.00	0.02	
25	0.00	4.72	1.22	1.34	7.69	3.08	0.64	0.20	0.10	0.10	0.00	0.00	
26	0.00	2.30	1.04	1.16	5.20	2.12	0.56	0.18	0.14	0.00	0.00	0.02	
27	0.02	1.94	0.92	0.98	5.04	2.21	0.52	0.18	0.08	0.00	0.00	0.04	
28	0.00	1.28	0.80	0.86	5.04	2.21	0.52	0.20	0.06	0.10	0.00	0.00	
29	0.48	0.98	0.76	1.58	3.76	1.76	1.04	0.24	0.00	0.08	0.00	0.00	
30	0.32	0.86	0.92	1.40	3.47	1.58	0.68	0.24	0.00	0.02		0.00	
31		0.68		1.49	3.34		0.56		0.04	0.00		0.00	
TOTAL	1.56	34.85	131.60	46.66	253.83	126.93	37.22	9.90	7.52	0.72	0.86	1.38	653.03 CMSDAY
MEAN	0.05	1.12	4.39	1.51	8.19	4.23	1.20	0.33	0.24	0.02	0.03	0.04	1.78 CMS
MAX	0.48	5.56	19.84	6.28	46.94	17.48	4.88	0.52	0.40	0.10	0.10	0.56	46.94 CMS
MIN	0.00	0.28	0.68	0.40	1.49	1.58	0.52	0.18	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.135	3.011	11.370	4.031	21.931	10.967	3.216	0.855	0.650	0.062	0.074	0.119	56.422 MCM

MOMENTARY PEAK 92.20 CMS, AT 2.68 M (A.D), AT 9.00 HOURS, ON AUG 4, 1979
RUNOFF YIELD 2.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 154.44 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

YOM RIVER BASIN

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

LOCATION — LAT. 17°-19'-45" N., LONG. 99°-27'-42" E., ON LEFT BANK DOWNSTREAM FROM BAN MAE PHU, TAMBON WIANG MOK, AMPHOE THOEN, LAMPANG.

DRAINAGE AREA — - SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK ALONG THE GAGE LINE.

ELEVATION — +8.00 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

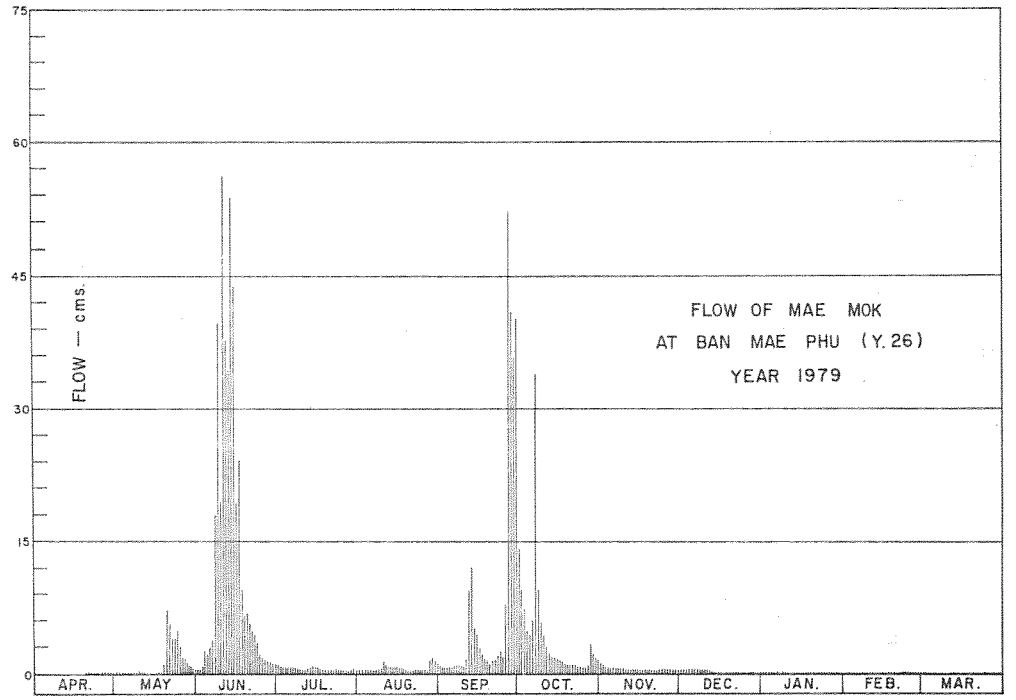
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 89 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — STREAM GAGING BEGAN ON APR 20,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.34	0.90	0.99	0.87	0.98	1.67	0.99	0.89	0.76	0.55	0.37	
2	*******	0.34	0.91	0.98	0.87	0.97	1.53	0.99	0.89	0.76	0.54	0.36	
3	*******	0.34	1.00	0.96	0.90	0.95	1.44	0.97	0.89	0.76	0.53	0.35	
4	*******	0.33	1.14	0.94	0.88	0.95	1.31	0.95	0.89	0.76	0.53	0.34	
5	*******	0.33	1.09	0.94	0.88	0.96	1.23	0.94	0.88	0.75	0.52	0.33	
6	*******	0.33	1.19	0.94	0.87	0.98	1.29	0.94	0.88	0.75	0.51	0.33	
7	*******	0.33	1.22	0.93	0.87	1.00	2.30	0.93	0.88	0.75	0.50	0.32	
8	*******	0.33	2.04	0.92	0.89	0.99	1.56	0.93	0.88	0.75	0.49	0.31	
9	*******	0.56	2.44	0.91	0.87	0.97	1.36	0.92	0.87	0.74	0.48	0.31	
10	*******	0.79	1.88	0.91	0.99	0.95	1.26	0.92	0.86	0.73	0.47	0.30	
11	*******	0.73	2.82	0.90	1.05	1.07	1.20	0.91	0.85	0.72	0.47	0.30	
12	*******	0.70	1.98	0.90	0.99	1.46	1.15	0.91	0.84	0.71	0.47	0.29	
13	*******	0.68	2.24	0.95	0.97	1.63	1.11	0.90	0.83	0.71	0.46	0.29	
14	*******	0.66	2.76	0.94	0.95	1.29	1.08	0.90	0.83	0.70	0.45	0.28	
15	*******	0.64	2.24	0.93	0.95	1.25	1.08	0.90	0.82	0.68	0.45	0.28	
16	*******	0.62	1.88	0.93	0.94	1.17	1.05	0.89	0.82	0.68	0.44	0.28	
17	*******	0.61	2.02	0.92	0.92	1.12	1.04	0.89	0.81	0.67	0.44	0.27	
18	*******	0.59	1.52	0.91	0.91	1.07	1.02	0.89	0.81	0.67	0.43	0.27	
19	*******	0.58	1.35	0.89	0.90	1.04	1.01	0.88	0.81	0.66	0.42	0.26	
20	0.37	1.15	1.36	0.89	0.90	1.03	1.00	0.88	0.80	0.65	0.42	0.26	
21	0.37	1.38	1.29	0.89	0.90	1.07	0.99	0.88	0.80	0.64	0.41	0.25	
22	0.37	1.28	1.26	0.89	0.90	1.06	0.98	0.88	0.79	0.63	0.41	0.25	
23	0.37	1.18	1.24	0.89	0.89	1.11	0.95	0.88	0.79	0.62	0.40	0.24	
24	0.36	1.27	1.15	0.92	0.88	1.15	0.95	0.88	0.79	0.61	0.40	0.24	
25	0.36	1.23	1.09	0.90	0.90	1.09	0.95	0.88	0.79	0.61	0.39	0.23	
26	0.36	1.12	1.07	0.89	0.87	1.40	0.94	0.88	0.79	0.60	0.39	0.23	
27	0.35	1.06	1.05	0.90	0.89	2.73	0.94	0.88	0.78	0.59	0.38	0.23	
28	0.35	1.01	1.03	0.89	1.07	2.48	1.19	0.88	0.77	0.58	0.38	0.22	
29	0.34	0.97	1.02	0.88	1.09	2.34	1.10	0.89	0.77	0.58	0.37	0.22	
30	0.34	0.93	1.00	0.92	1.06	2.46	1.06	0.89	0.77	0.57		0.22	
31		0.91		0.89	1.04		1.04		0.76	0.55		0.22	
MEAN	*******	0.75	1.51	0.92	0.93	1.29	1.19	0.91	0.83	0.68	0.45	0.28	
MAX	0.37	1.38	2.82	0.99	1.09	2.73	2.30	0.99	0.89	0.76	0.55	0.37	2.82
MIN	*******	0.33	0.90	0.88	0.87	0.95	0.94	0.88	0.76	0.55	0.37	0.22	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.23 M (A.D), AT 11.00 HOURS, ON JUN 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.00	0.50	0.95	0.41	0.90	13.25	0.95	0.47	0.07	0.00	0.00	
2	*******	0.00	0.55	0.90	0.41	0.85	10.10	0.95	0.47	0.07	0.00	0.00	
3	*******	0.00	1.00	0.80	0.50	0.75	8.30	0.85	0.47	0.07	0.00	0.00	
4	*******	0.00	2.60	0.70	0.44	0.75	5.70	0.75	0.47	0.07	0.00	0.00	
5	*******	0.00	1.90	0.70	0.44	0.80	4.10	0.70	0.44	0.03	0.00	0.00	
6	*******	0.00	3.35	0.70	0.41	0.90	5.30	0.70	0.44	0.03	0.00	0.00	
7	*******	0.00	3.90	0.65	0.41	1.00	34.00	0.65	0.44	0.03	0.00	0.00	
8	*******	0.00	24.90	0.60	0.47	0.95	10.70	0.65	0.44	0.03	0.00	0.00	
9	*******	0.00	39.60	0.55	0.41	0.85	6.70	0.60	0.41	0.00	0.00	0.00	
10	*******	0.17	19.40	0.55	0.95	0.75	4.70	0.60	0.38	0.00	0.00	0.00	
11	*******	0.00	56.50	0.50	1.50	1.70	3.50	0.55	0.35	0.00	0.00	0.00	
12	*******	0.00	22.80	0.50	0.95	8.70	2.75	0.55	0.32	0.00	0.00	0.00	
13	*******	0.00	31.90	0.75	0.85	12.25	2.15	0.50	0.29	0.00	0.00	0.00	
14	*******	0.00	53.70	0.70	0.75	5.30	1.80	0.50	0.29	0.00	0.00	0.00	
15	*******	0.00	31.90	0.65	0.75	4.50	1.80	0.50	0.26	0.00	0.00	0.00	
16	*******	0.00	19.40	0.65	0.70	3.05	1.50	0.47	0.26	0.00	0.00	0.00	
17	*******	0.00	24.20	0.60	0.60	2.30	1.40	0.47	0.23	0.00	0.00	0.00	
18	*******	0.00	9.90	0.55	0.55	1.70	1.20	0.47	0.23	0.00	0.00	0.00	
19	*******	0.00	6.50	0.47	0.50	1.40	1.10	0.44	0.23	0.00	0.00	0.00	
20	0.00	2.75	6.70	0.47	0.50	1.30	1.00	0.44	0.20	0.00	0.00	0.00	
21	0.00	7.10	5.30	0.47	0.50	1.70	0.95	0.44	0.20	0.00	0.00	0.00	
22	0.00	5.10	4.70	0.47	0.50	1.60	0.90	0.44	0.17	0.00	0.00	0.00	
23	0.00	3.20	4.30	0.47	0.47	2.15	0.75	0.44	0.17	0.00	0.00	0.00	
24	0.00	4.90	2.75	0.60	0.44	2.75	0.75	0.44	0.17	0.00	0.00	0.00	
25	0.00	4.10	1.90	0.50	0.50	1.90	0.75	0.44	0.17	0.00	0.00	0.00	
26	0.00	2.30	1.70	0.47	0.41	7.50	0.70	0.44	0.17	0.00	0.00	0.00	
27	0.00	1.60	1.50	0.50	0.47	52.35	0.70	0.44	0.13	0.00	0.00	0.00	
28	0.00	1.10	1.30	0.47	1.70	41.20	3.35	0.44	0.10	0.00	0.00	0.00	
29	0.00	0.85	1.20	0.44	1.90	35.60	2.00	0.47	0.10	0.00	0.00	0.00	
30	0.00	0.65	1.00	0.60	1.60	40.40	1.60	0.47	0.10	0.00		0.00	
31		0.55		0.47	1.40		1.40		0.07	0.00		0.00	
TOTAL	*******	34.37	386.85	18.40	22.39	237.85	134.90	16.75	8.64	0.40	0.00	0.00	******** CMSDAY
MEAN	*******	1.11	12.89	0.59	0.72	7.93	4.35	0.56	0.28	0.01	0.00	0.00	******* CMS
MAX	0.00	7.10	56.50	0.95	1.90	52.35	34.00	0.95	0.47	0.07	0.00	0.00	56.50 CMS
MIN	*******	0.00	0.50	0.44	0.41	0.75	0.70	0.44	0.07	0.00	0.00	0.00	******* CMS
RUNOFF	*******	2.970	33.424	1.590	1.934	20.550	11.655	1.447	0.746	0.035	0.000	0.000	******** MCM

MOMENTARY PEAK 135.95 CMS, AT 4.23 M (A.B.), AT 11.00 HOURS, ON JUN 11, 1979
RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT NAN, NAN (N.1)

LOCATION — LAT. 18°-46'-23" N., LONG. 100°-46'-51" E., ON RIGHT BANK INFRONT OF FORESTRY OFFICE, AMPHOE MUANG, NAN.

DRAINAGE AREA — 4,609 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +192.17 M. (M.S.L.)

BENCH MARK — B.M.-R.I.D.

LOCATION — ON WEST SIDE OF AUTOMATIC GAGE BUILDING.

ELEVATION — +199.204 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1922-1956, 1962 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1954-1956, 1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1954-1956, 1979

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

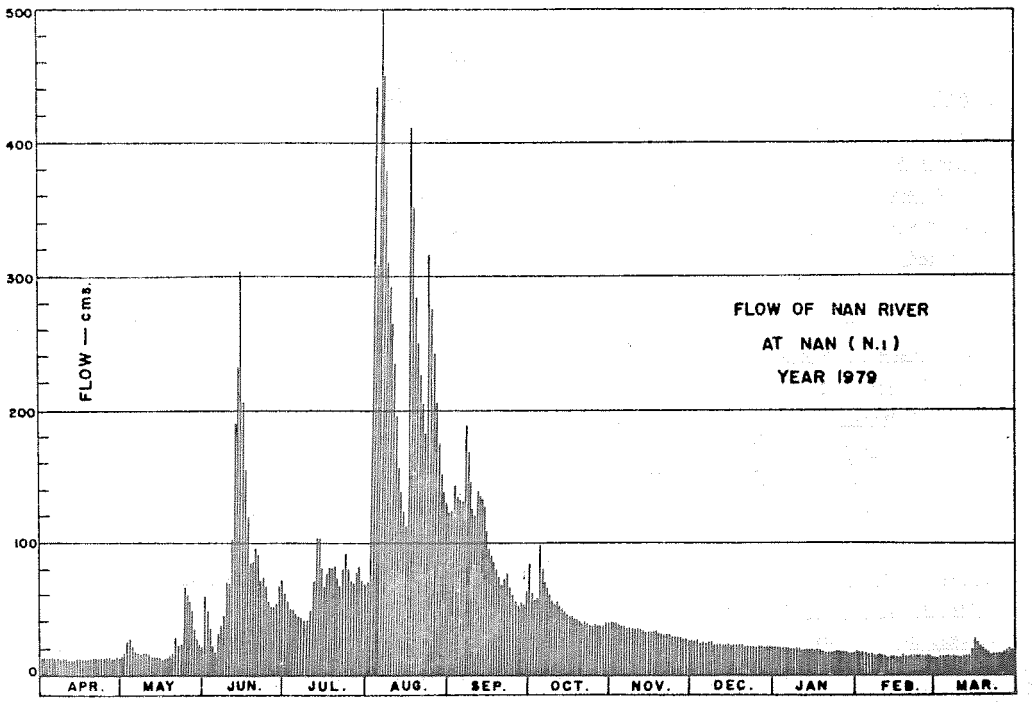
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 58 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	192.75	192.82	193.49	193.51	193.59	194.03	193.72	193.24	193.04	192.92	192.84	192.77	
2	192.75	192.86	193.37	193.45	193.80	194.02	193.50	193.22	193.04	192.92	192.84	192.77	
3	192.75	193.03	193.17	193.39	194.26	194.16	193.44	193.21	193.04	192.91	192.84	192.77	
4	192.75	193.02	193.07	193.35	194.58	194.11	193.54	193.20	193.02	192.91	192.84	192.77	
5	192.75	192.87	193.06	193.33	195.54	194.10	193.84	193.19	193.02	192.91	192.84	192.78	
6	192.75	192.82	193.15	193.29	195.05	194.06	193.73	193.19	193.02	192.90	192.84	192.78	
7	192.75	192.80	193.21	193.27	195.41	194.26	193.59	193.19	193.02	192.90	192.83	192.78	
8	192.74	192.80	193.31	193.26	196.06	194.44	193.52	193.18	193.02	192.90	192.83	192.78	
9	192.74	192.82	193.61	193.26	195.16	194.25	193.46	193.18	192.99	192.90	192.82	192.77	
10	192.74	192.83	193.59	193.29	194.75	194.04	193.43	193.17	192.99	192.89	192.82	192.77	
11	192.74	192.80	193.64	193.46	194.97	194.01	193.44	193.17	192.97	192.89	192.81	192.77	
12	192.74	192.77	194.22	193.58	194.72	194.14	193.40	193.15	192.98	192.89	192.81	192.77	
13	192.74	192.77	194.48	193.88	194.33	194.09	193.38	193.15	192.98	192.88	192.81	192.77	
14	192.78	192.76	194.70	193.87	194.14	194.09	193.33	193.13	192.98	192.88	192.81	192.77	
15	192.77	192.75	195.03	193.68	194.03	193.96	193.32	193.13	192.97	192.88	192.81	192.86	
16	192.76	192.74	194.66	193.56	193.94	193.82	193.30	193.13	192.97	192.88	192.80	193.05	
17	192.76	192.75	194.25	193.66	193.83	193.75	193.28	193.13	192.97	192.88	192.80	192.99	
18	192.75	192.77	193.87	193.69	194.69	193.73	193.26	193.13	192.97	192.88	192.80	192.93	
19	192.75	192.81	193.70	193.69	195.45	193.67	193.26	193.11	192.96	192.87	192.80	192.89	
20	192.76	192.84	193.75	193.70	194.98	193.61	193.25	193.11	192.96	192.87	192.80	192.85	
21	192.75	193.06	193.79	193.63	194.72	193.57	193.25	193.11	192.95	192.86	192.80	192.83	
22	192.75	192.94	193.61	193.57	194.57	193.63	193.24	193.11	192.95	192.86	192.80	192.83	
23	192.76	192.97	193.64	193.70	194.40	193.66	193.22	193.08	192.95	192.86	192.79	192.83	
24	192.76	193.24	193.56	193.77	194.50	193.54	193.21	193.07	192.95	192.86	192.79	192.83	
25	192.79	193.54	193.42	193.66	195.07	193.47	193.20	193.07	192.95	192.86	192.79	192.83	
26	192.76	193.47	193.40	193.59	194.90	193.44	193.20	193.07	192.95	192.86	192.78	192.84	
27	192.75	193.38	193.41	193.59	194.80	193.42	193.20	193.06	192.94	192.86	192.78	192.87	
28	192.74	193.14	193.44	193.67	194.51	193.44	193.20	193.05	192.94	192.85	192.78	192.86	
29	192.77	193.03	193.60	193.70	194.27	193.42	193.21	193.05	192.93	192.85	192.77	192.90	
30	192.78	192.95	193.63	193.61	194.15	193.49	193.25	193.04	192.93	192.85		192.89	
31		192.98		193.59	194.08		193.24		192.93	192.84		192.88	
MEAN	192.75	192.94	193.69	193.56	194.62	193.85	193.37	193.13	192.98	192.88	192.81	192.83	
MAX	192.79	193.54	195.03	193.88	196.06	194.44	193.84	193.24	193.04	192.92	192.84	193.05	196.06
MIN	192.74	192.74	193.06	193.26	193.59	193.42	193.20	193.04	192.93	192.84	192.77	192.77	192.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 196.52 M (MSL), AT 4:00 HOURS, ON AUG 8, 1979
ZERO GAGE AT BOTTOM ELEVATION 192.17 M (MSL), RIVER BED 191.97 M (MSL)
LEFT BANK ELEVATION 198.76 M (MSL)
RIGHT BANK ELEVATION 199.30 M (MSL), DRAINAGE AREA 4609 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	13.12	16.00	61.10	62.90	70.10	124.50	85.70	41.00	27.60	21.00	17.00	13.87	
2	13.12	18.00	50.75	57.50	95.50	122.99	62.00	39.50	27.60	21.00	17.00	13.87	
3	13.12	26.95	36.05	52.25	159.90	144.00	56.60	38.75	27.60	20.50	17.00	13.87	
4	13.12	26.30	29.55	49.25	214.50	136.49	65.60	38.00	26.30	20.50	17.00	13.87	
5	13.12	18.50	28.90	47.75	435.10	135.00	100.40	37.35	26.30	20.50	17.00	14.25	
6	13.12	16.00	34.75	44.75	311.24	129.00	86.92	37.35	26.30	20.00	17.00	14.25	
7	13.12	15.00	38.75	43.25	400.65	159.90	70.10	37.35	26.30	20.00	16.50	14.25	
8	12.75	15.00	46.25	42.50	600.99	190.00	63.80	36.70	26.30	20.00	16.50	14.25	
9	12.75	16.00	72.22	42.50	336.00	158.25	58.40	36.70	24.50	20.00	16.00	13.87	
10	12.75	16.50	70.10	44.75	247.25	126.00	55.70	36.05	24.50	19.50	16.00	13.87	
11	12.75	15.00	75.90	58.40	293.54	121.50	56.60	36.05	23.50	19.50	15.50	13.87	
12	12.75	13.87	153.30	69.20	241.40	140.99	53.00	34.75	24.00	19.50	15.50	13.87	
13	12.75	13.87	197.00	105.30	171.44	133.50	51.50	34.75	24.00	19.00	15.50	13.87	
14	14.25	13.50	237.50	104.07	140.99	133.50	47.75	33.45	24.00	19.00	15.50	13.87	
15	13.87	13.12	306.74	80.80	124.50	115.10	47.00	33.45	23.50	19.00	15.50	18.00	
16	13.50	12.75	229.70	67.40	112.65	97.95	45.50	33.45	23.50	19.00	15.00	28.25	
17	13.50	13.12	158.25	78.35	99.17	89.37	44.00	33.45	23.50	19.00	15.00	24.50	
18	13.12	13.87	104.07	82.02	235.55	86.92	42.50	33.45	23.50	19.00	15.00	21.50	
19	13.12	15.50	83.25	82.02	411.25	79.58	42.50	32.15	23.00	18.50	15.00	19.50	
20	13.50	17.00	89.27	83.25	295.70	72.22	41.75	32.15	23.00	18.50	15.00	17.50	
21	13.12	28.90	94.27	74.67	241.40	68.30	41.75	32.15	22.50	18.00	15.00	16.50	
22	13.12	22.00	72.22	68.30	212.75	74.67	41.00	32.15	22.50	18.00	15.00	16.50	
23	13.50	23.50	75.90	83.25	182.99	78.35	39.50	30.20	22.50	18.00	14.62	16.50	
24	13.50	41.00	67.40	91.82	200.50	65.60	38.75	29.55	22.50	18.00	14.62	16.50	
25	14.62	65.60	54.80	78.35	315.75	59.30	38.00	29.55	22.50	18.00	14.62	16.50	
26	13.50	59.30	53.00	70.10	278.49	56.60	38.00	29.55	22.50	18.00	14.25	17.00	
27	13.12	51.50	53.90	70.10	256.99	54.80	38.00	28.90	22.00	18.00	14.25	18.50	
28	12.75	34.10	56.60	79.58	202.25	56.60	38.00	28.25	22.00	17.50	14.25	18.00	
29	13.87	26.95	71.00	83.25	161.55	54.80	38.75	28.25	21.50	17.50	13.87	20.00	
30	14.25	22.50	74.67	72.22	142.50	61.10	41.75	27.60	21.50	17.50		19.50	
31		24.00		70.10	131.99		41.00		21.50	17.00		19.00	
TOTAL	398.55	725.20	2777.26	2139.95	7324.57	3126.88	1611.82	1012.00	742.30	588.50	449.98	519.45	21416.44 CMSDAY
MEAN	13.28	23.39	92.58	69.03	236.28	104.23	51.99	33.73	23.95	18.98	15.52	16.76	58.51 CMS
MAX	14.62	65.60	306.74	105.30	600.99	190.00	100.40	41.00	27.60	21.00	17.00	28.25	600.99 CMS
MIN	12.75	12.75	28.90	42.50	70.10	54.80	38.00	27.60	21.50	17.00	13.87	13.87	12.75 CMS
RUNOFF	34.435	62.657	239.955	184.891	632.843	270.162	139.261	87.437	64.135	50.846	38.878	44.880	1850.380 MCM

MOMENTARY PEAK 779.79 CMS, AT 196.52 M (MSL), AT 4.00 HOURS, ON AUG 8, 1979

RUNOFF YIELD 12.70 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 169.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

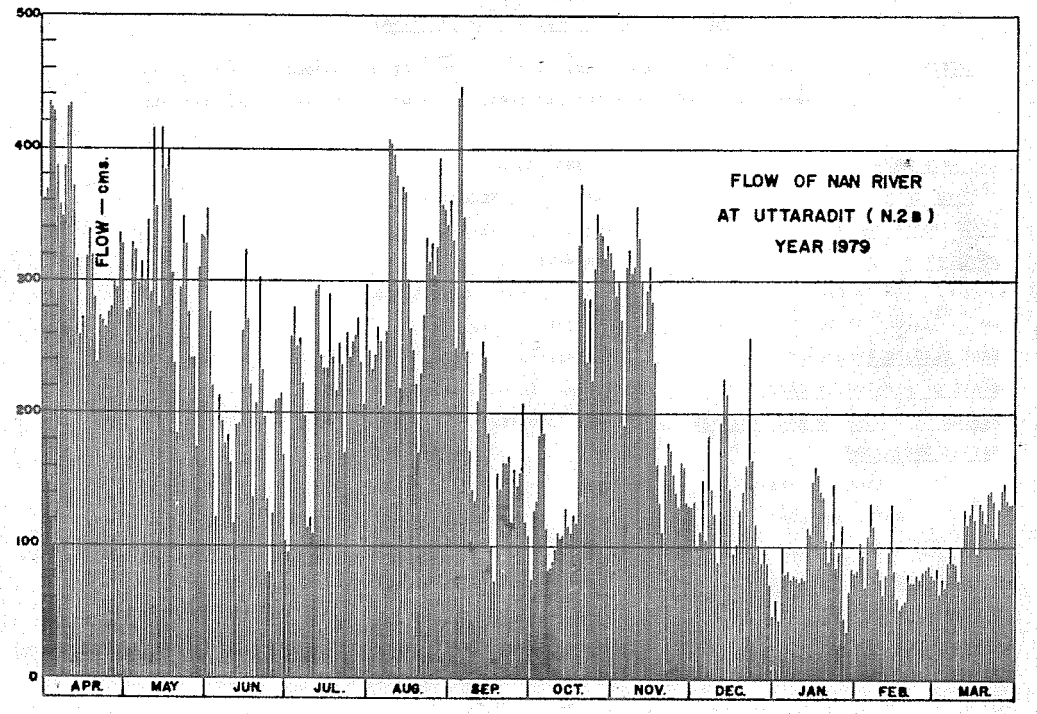
NAN RIVER AT UTTARADIT, UTTARADIT (N.2B)

LOCATION	LAT. 17°-36'-30" N., LONG. 100°-06'-08" E., ON RIGHT BANK ABOUT 700 METERS DOWNSTREAM FROM N.2A, AMPHOE MUANG, UTTARADIT.
DRAINAGE AREA	16,865 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+52.30 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	BEHIND THE AUTOMATIC GAGE BUILDING.
ELEVATION	+62.517 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1970-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1970-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 202 DISCHARGE MEASUREMENTS MADE DURING 1970-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	55.92	55.55	55.87	54.15	55.31	55.91	53.93	55.65	54.52	53.72	53.99	53.93	
2	55.95	55.47	55.45	54.12	55.23	55.76	54.44	55.54	54.44	53.53	54.20	54.01	
3	56.24	55.49	55.03	55.37	55.29	55.32	54.51	55.60	54.18	53.90	54.08	53.80	
4	56.22	55.75	54.38	55.48	55.41	56.25	54.89	55.44	54.37	54.15	53.86	53.92	
5	56.20	55.72	55.04	55.33	55.35	56.29	55.00	54.95	54.63	53.96	54.27	53.86	
6	56.03	55.59	55.09	55.36	55.05	55.84	54.89	55.66	54.21	53.97	54.48	54.05	
7	55.90	55.68	54.96	55.14	55.39	55.30	54.29	55.73	54.89	53.92	54.30	54.17	
8	55.85	55.59	54.85	54.97	55.64	54.80	53.99	55.64	54.57	53.95	54.13	54.05	
9	56.04	55.78	54.88	54.32	56.12	54.55	54.03	55.66	54.41	53.93	54.00	54.05	
10	56.23	55.83	54.73	54.38	56.11	54.50	54.13	55.89	54.04	53.89	53.90	53.91	
11	56.24	55.56	54.35	54.27	56.07	55.08	54.26	55.76	54.24	53.94	53.79	54.17	
12	55.96	56.16	54.95	55.57	55.98	55.20	54.22	55.59	54.98	53.91	53.97	54.44	
13	55.68	55.88	54.97	55.58	55.13	55.34	54.25	55.39	55.17	54.31	54.16	54.35	
14	55.37	55.49	55.39	55.27	55.96	55.28	54.43	55.56	55.10	54.27	54.49	54.42	
15	55.44	56.16	55.62	55.23	55.94	54.91	54.31	55.65	54.57	54.63	53.97	54.48	
16	55.60	56.02	55.72	55.23	55.55	54.15	54.27	55.51	54.11	54.71	53.72	54.37	
17	55.70	56.02	55.15	55.54	55.40	53.91	54.42	55.25	54.11	54.67	53.66	54.12	
18	55.80	56.10	54.53	55.28	55.31	54.57	54.35	54.69	54.24	54.57	53.69	54.48	
19	55.70	55.63	55.06	55.10	55.14	54.66	55.74	54.28	54.45	54.53	53.72	54.44	
20	55.52	55.24	55.22	55.13	54.80	54.58	55.97	54.67	54.55	54.20	53.96	54.35	
21	55.24	54.91	55.61	55.33	55.29	54.74	55.53	54.73	54.66	53.96	53.89	54.55	
22	55.44	55.57	55.20	55.24	55.46	54.73	55.26	54.84	54.84	54.21	53.90	54.57	
23	55.43	55.85	54.99	54.81	55.77	54.78	55.52	54.82	55.36	54.60	53.96	54.49	
24	55.41	55.74	54.49	55.38	55.69	54.34	55.17	54.67	54.59	54.02	53.92	54.24	
25	55.47	55.45	53.97	55.28	55.75	54.69	55.66	54.53	54.27	54.13	53.94	54.45	
26	55.49	55.27	54.70	55.35	55.63	54.59	55.86	54.47	54.16	54.33	53.98	54.57	
27	55.59	55.27	55.07	55.37	55.78	54.69	55.79	54.74	54.15	53.54	54.00	54.61	
28	55.57	54.84	55.08	55.44	56.06	55.06	55.78	54.70	54.18	53.39	54.01	54.51	
29	55.79	55.65	55.11	55.22	55.89	54.36	55.70	54.48	54.01	53.80	53.95	54.48	
30	55.74	55.78	54.75	55.06	55.88	54.23	55.74	54.47	53.87	53.99		54.49	
31		55.77		55.58	55.82		55.71		53.57	53.96		54.01	
MEAN	55.76	55.64	55.01	55.13	55.59	54.95	54.90	55.15	54.43	54.08	54.00	54.27	
MAX	56.24	56.16	55.87	55.58	56.12	56.29	55.97	55.89	55.36	54.71	54.49	54.61	56.29
MIN	55.24	54.84	53.97	54.12	54.80	53.91	53.93	54.28	53.57	53.39	53.66	53.80	53.39

ANNUAL MAX MOMENTARY GAGE HEIGHT 56.67 M (MSL), AT 6.00 HOURS, ON SEP 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 52.30 M (MSL), RIVER BED 51.91 M (MSL)
LEFT BANK ELEVATION 60.87 M (MSL)
RIGHT BANK ELEVATION 62.24 M (MSL), DRAINAGE AREA 16865 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	362.0	291.0	352.0	97.0	247.8	360.0	75.0	309.0	136.4	57.6	81.0	75.0	
2	368.0	276.6	273.0	94.0	234.8	330.0	126.8	289.2	126.8	43.8	102.0	83.0	
3	433.6	280.2	202.8	258.6	244.4	249.6	135.2	300.0	100.0	72.0	90.0	64.0	
4	428.8	328.0	120.0	278.4	265.8	436.0	182.6	271.2	119.0	97.0	68.8	74.0	
5	424.0	322.0	204.4	251.4	255.0	445.6	198.0	191.0	149.6	78.0	109.0	68.8	
6	384.6	298.2	212.4	256.8	206.0	346.0	182.6	310.8	103.0	79.0	131.6	87.0	
7	358.0	314.4	192.4	220.4	262.2	246.0	111.0	324.0	182.6	74.0	112.0	99.0	
8	348.0	298.2	177.0	193.8	307.2	170.0	81.0	307.2	142.4	77.0	95.0	87.0	
9	386.8	334.C	181.2	114.0	404.8	140.0	85.0	310.8	123.2	75.0	82.0	87.0	
10	431.2	344.0	161.6	120.0	402.4	134.0	95.0	356.0	86.0	71.2	72.0	73.0	
11	433.6	292.8	117.0	109.0	393.4	210.8	108.0	330.0	106.0	76.0	63.2	99.0	
12	370.0	414.4	191.0	294.6	374.0	230.0	104.0	298.2	195.2	73.0	79.0	126.8	
13	314.4	354.0	193.8	296.4	218.8	253.2	107.0	262.2	225.2	113.0	98.0	117.0	
14	258.6	280.2	262.2	241.2	370.0	242.8	125.6	292.8	214.0	109.0	132.8	124.4	
15	271.2	414.4	303.6	234.8	366.0	185.4	113.0	309.0	142.4	149.6	79.0	131.6	
16	300.0	382.4	322.0	234.8	291.0	97.0	109.0	283.8	93.0	159.2	57.6	119.0	
17	318.0	382.4	222.0	289.2	264.0	73.0	124.4	238.0	93.0	154.4	52.8	94.0	
18	338.0	400.0	137.6	242.8	247.8	142.4	117.0	156.8	106.0	142.4	55.2	131.6	
19	318.0	305.4	207.6	214.0	220.4	153.2	326.0	110.0	128.0	137.6	57.6	126.8	
20	285.6	236.4	233.2	218.8	170.0	143.6	372.0	154.4	140.0	102.0	78.0	117.0	
21	236.4	185.4	301.8	251.4	244.4	162.8	287.4	161.6	153.2	78.0	71.2	140.0	
22	271.2	294.6	230.0	236.4	274.8	161.6	239.6	175.6	175.6	103.0	72.0	142.4	
23	269.4	348.0	196.6	171.4	332.0	167.6	285.6	172.8	256.8	146.0	78.0	132.8	
24	265.8	326.0	132.8	260.4	316.2	116.0	225.2	154.4	144.8	84.0	74.0	106.0	
25	276.6	273.0	79.0	242.8	328.0	156.8	310.8	137.6	109.0	95.0	76.0	128.0	
26	280.2	241.2	158.0	255.0	305.4	144.8	350.0	130.4	98.0	115.0	80.0	142.4	
27	298.2	241.2	209.2	258.6	334.0	156.8	336.0	162.8	97.0	44.4	82.0	147.2	
28	294.6	175.6	210.8	271.2	391.2	207.6	334.0	158.0	100.0	35.4	83.0	135.2	
29	336.0	309.0	215.6	233.2	356.0	118.0	318.0	131.6	83.0	64.0	77.0	131.6	
30	326.0	336.0	164.0	207.6	354.0	105.0	326.0	130.4	69.6	81.0		132.8	
31		332.0		296.4	342.0		320.0		46.2	78.0		83.0	
TOTAL	9986.8	9609.0	6164.6	6944.4	9323.8	6085.6	6210.8	6919.6	4045.0	2864.6	2389.8	3406.4	73950.3 CMSDAY
MEAN	332.9	310.0	205.5	224.0	300.8	202.9	200.3	230.7	130.5	92.4	82.4	109.9	202.1 CMS
MAX	433.6	414.4	352.0	296.4	404.8	445.6	372.0	356.0	256.8	159.2	132.8	147.2	445.6 CMS
MIN	236.4	175.6	79.0	94.0	170.0	73.0	75.0	110.0	46.2	35.4	52.8	64.0	35.4 CMS
RUNOFF	862.86	830.22	532.62	600.00	805.58	525.80	536.61	597.85	349.49	247.50	206.48	294.31	6389.31 MCM

MOMENTARY PEAK 541.90 CMS, AT 56.67 M (MSL), AT 6.00 HOURS, ON SEP 5, 1979
RUNOFF YIELD 11.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT PHICHAI, UTTARADIT (N.4A)

LOCATION — LAT. 17°-16'-58" N., LONG. 101°-04'-53" E., ON LEFT BANK ABOUT 2.5 KILOMETERS DOWNSTREAM FROM AMPHOE PHICHAI OFFICE, BAN WANG PHANIAT, AMPHOE PHICHAI, UTTARADIT.

DRAINAGE AREA — 19,383 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +44.00 M. (M.S.L.)

BENCH MARK — B.M.-M.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +53.327 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1974

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTNG ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

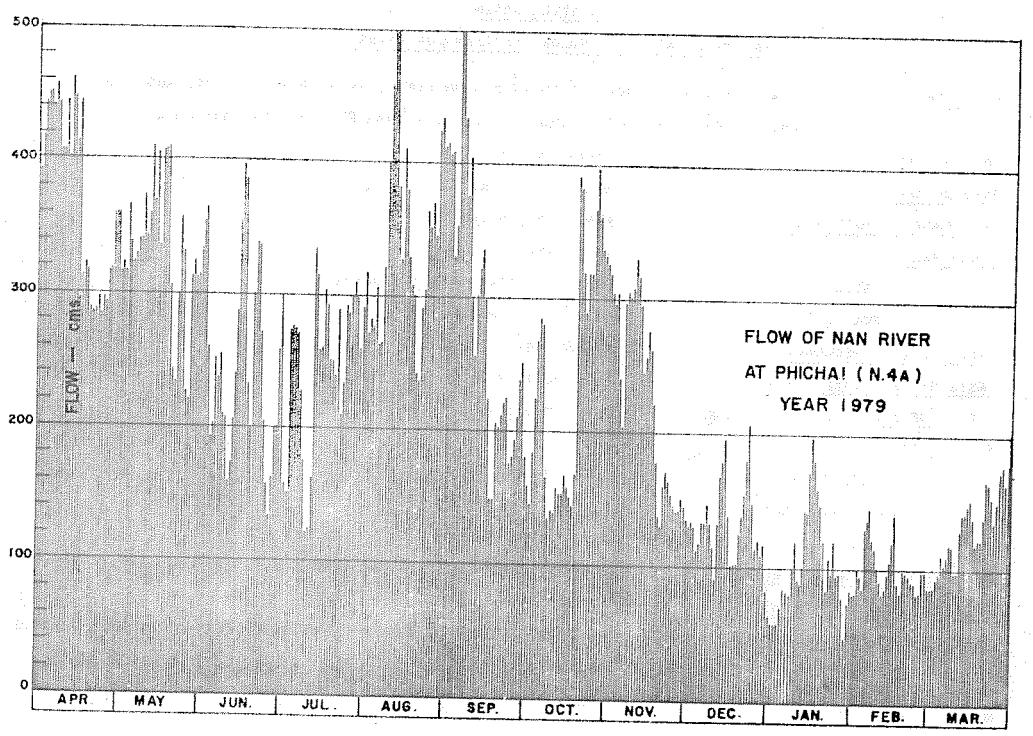
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	47.75	47.34	47.55	47.25	47.34	47.83	46.37	47.37	46.13	45.45	45.69	45.74	
2	47.88	47.39	47.60	46.36	47.09	47.84	46.27	47.32	46.17	45.46	45.73	45.74	
3	48.01	47.34	47.10	46.31	47.15	47.43	46.53	47.23	46.14	45.46	45.89	45.80	
4	48.05	47.62	46.58	47.10	47.12	47.56	46.71	47.27	45.98	45.53	45.80	45.85	
5	48.05	47.48	46.65	47.12	47.30	48.30	47.07	46.89	46.07	45.67	45.74	45.98	
6	47.85	47.39	46.97	47.10	47.04	48.36	47.16	46.66	46.16	45.73	46.14	45.88	
7	48.08	47.42	46.89	47.07	47.06	48.04	47.14	47.24	46.16	45.71	46.25	45.91	
8	47.99	47.48	46.98	46.82	47.43	47.67	46.41	47.34	46.28	45.70	46.07	46.06	
9	47.84	47.48	46.70	46.45	47.81	47.82	46.18	47.26	46.21	45.79	45.99	46.01	
10	47.84	47.65	46.68	46.07	48.08	47.20	46.23	47.30	46.04	46.04	45.89	45.85	
11	48.02	47.49	46.35	46.10	48.20	46.99	46.21	47.43	45.79	45.83	45.79	45.86	
12	47.80	47.57	46.49	46.51	48.35	47.27	46.36	47.32	46.05	45.77	45.71	46.15	
13	48.10	47.85	46.80	47.45	47.70	47.34	46.34	47.23	46.42	45.91	45.74	46.22	
14	47.92	47.64	46.98	47.28	47.40	47.46	46.33	46.94	46.53	46.22	45.84	46.23	
15	47.87	47.83	47.56	47.01	47.86	47.32	46.42	47.04	46.61	46.23	45.98	46.28	
16	48.01	47.97	47.78	47.03	47.80	46.80	46.39	47.12	46.26	46.53	46.22	46.30	
17	47.33	47.83	47.74	47.28	47.42	46.29	46.30	47.03	45.89	46.63	46.06	46.17	
18	47.38	47.84	46.89	47.16	47.32	46.29	46.25	46.66	45.89	46.39	45.76	46.02	
19	47.36	47.85	46.65	46.97	47.25	46.68	46.46	46.26	45.90	46.30	45.69	46.07	
20	47.18	47.32	47.05	46.96	46.92	46.66	47.76	46.14	46.07	46.20	45.88	46.07	
21	47.17	46.90	47.47	46.90	46.89	46.70	47.70	46.34	46.23	45.93	45.85	46.28	
22	47.18	46.85	47.46	47.19	47.20	46.78	47.34	46.41	46.35	45.74	45.82	46.41	
23	47.23	47.35	47.04	46.72	47.34	46.80	47.19	46.45	46.55	45.94	45.79	46.40	
24	47.17	47.57	46.77	46.87	47.60	46.60	47.36	46.35	46.69	45.85	45.78	46.32	
25	47.24	47.36	46.33	47.20	47.55	46.48	47.36	46.27	46.29	46.05	45.70	46.17	
26	47.21	46.83	46.16	47.18	47.64	46.55	47.56	46.23	46.00	45.81	45.81	46.30	
27	47.34	46.77	46.41	47.24	47.51	46.65	47.78	46.23	46.06	45.83	45.85	46.46	
28	47.36	47.33	46.64	47.30	47.92	46.89	47.55	46.27	45.97	45.97	45.86	46.48	
29	47.58	47.39	46.65	47.22	47.97	46.97	47.47	46.31	46.02	45.32	45.74	46.40	
30	47.58	47.31	47.12	47.03	47.85	46.56	47.44	46.19	45.79	45.63		46.48	
31		47.34		47.16	47.86		47.41		45.64	45.72		46.66	
MEAN	47.65	47.44	46.93	46.95	47.52	47.14	46.87	46.80	46.14	45.87	45.86	46.15	
MAX	48.10	47.97	47.78	47.45	48.35	48.36	47.78	47.43	46.69	46.63	46.25	46.66	48.36
MIN	47.17	46.77	46.16	46.07	46.89	46.29	46.18	46.14	45.64	45.32	45.69	45.74	45.32

ANNUAL MAX MOMENTARY GAGE HEIGHT — 48.44 M (MSL), AT 24.00 HOURS, ON SEP 5, 1979

ZERO GAGE AT BOTTOM ELEVATION — 44.00 M (MSL), RIVER BED — 44.09 M (MSL)

LEFT BANK ELEVATION — 52.74 M (MSL)

RIGHT BANK ELEVATION — 54.10 M (MSL), DRAINAGE AREA — 19383 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	392.5	316.2	354.5	300.5	316.2	407.7	160.8	321.6	130.6	58.5	81.0	86.4	
2	417.2	325.2	364.0	159.4	273.3	409.6	147.4	312.6	135.4	59.4	85.3	86.4	
3	443.0	316.2	275.0	152.4	283.5	332.4	184.5	297.1	131.8	59.4	102.9	93.0	
4	451.0	367.8	192.0	275.0	278.4	356.4	211.5	303.9	112.8	65.7	93.0	98.5	
5	451.0	341.4	202.5	278.4	309.0	501.0	269.9	239.4	123.4	79.0	86.4	112.8	
6	411.5	325.2	252.9	275.0	264.8	513.0	285.2	204.0	134.2	85.3	131.8	101.8	
7	457.0	330.6	239.4	269.9	268.2	449.0	281.8	298.8	134.2	83.1	145.0	105.1	
8	439.0	341.4	254.6	228.2	332.4	377.3	166.5	316.2	148.6	82.0	123.4	122.2	
9	409.6	341.4	210.0	172.5	403.9	405.8	136.6	302.2	140.2	91.9	113.9	116.2	
10	409.6	373.5	207.0	123.4	457.0	292.0	142.6	309.0	119.8	119.8	102.9	98.5	
11	445.0	343.2	158.0	127.0	481.0	256.3	140.2	332.4	91.9	96.3	91.9	99.6	
12	402.0	358.3	178.5	181.5	511.0	303.9	159.4	312.6	121.0	89.7	83.1	133.0	
13	461.0	411.5	225.0	336.0	383.0	316.2	156.6	297.1	168.0	105.1	86.4	141.4	
14	425.0	371.6	254.6	305.6	327.0	337.8	155.2	247.8	184.5	141.4	97.4	142.6	
15	415.3	407.7	356.4	259.7	413.4	312.6	168.0	264.8	196.5	142.6	112.8	148.6	
16	443.0	435.0	398.2	263.1	402.0	225.0	163.6	278.4	146.2	184.5	141.4	151.0	
17	314.4	407.7	390.6	305.6	330.6	149.8	151.0	263.1	102.9	199.5	122.2	135.4	
18	323.4	409.6	239.4	285.2	312.6	149.8	145.0	204.0	102.9	163.6	88.6	117.4	
19	319.8	411.5	202.5	252.9	300.5	207.0	174.0	146.2	104.0	151.0	81.0	123.4	
20	288.6	312.6	266.5	251.2	244.4	204.0	394.4	131.8	123.4	139.0	101.8	123.4	
21	286.9	241.0	339.6	241.0	239.4	210.0	383.0	156.6	142.6	107.3	98.5	148.6	
22	288.6	233.0	337.8	290.3	292.0	222.0	316.2	166.5	158.0	86.4	95.2	166.5	
23	297.1	318.0	264.8	213.0	316.2	225.0	290.3	172.5	187.5	108.4	91.9	165.0	
24	286.9	358.3	220.5	236.2	364.0	195.0	319.8	158.0	208.5	98.5	90.8	153.8	
25	298.8	319.8	155.2	292.0	354.5	177.0	319.8	147.4	149.8	121.0	82.0	135.4	
26	293.7	229.8	134.2	288.6	371.6	187.5	356.4	142.6	115.0	94.1	94.1	151.0	
27	316.2	220.5	166.5	298.8	346.9	202.5	398.2	142.6	122.2	96.3	98.5	174.0	
28	319.8	314.4	201.0	309.0	425.0	239.4	354.5	147.4	111.7	60.3	99.6	177.0	
29	360.2	325.2	202.5	295.4	435.0	252.9	339.6	152.4	117.4	47.6	86.4	165.0	
30	360.2	310.8	278.4	263.1	411.5	189.0	334.2	137.8	91.9	75.0		177.0	
31		316.2		285.2	413.4		328.8		76.0	84.2		204.0	
TOTAL	11227.3	10434.6	7522.1	7815.1	10861.7	8606.9	7535.0	6906.8	4132.9	3175.9	2909.2	4154.0	85281.4 CMSDAY
MEAN	374.2	336.6	250.7	252.1	350.4	286.9	243.1	230.2	133.3	102.4	100.3	134.0	233.0 CMS
MAX	461.0	435.0	398.2	336.0	511.0	513.0	398.2	332.4	208.5	199.5	145.0	204.0	513.0 CMS
MIN	286.9	220.5	134.2	123.4	239.4	149.8	136.6	131.8	76.0	47.6	81.0	86.4	47.6 CMS
RUNOFF	970.04	901.55	649.91	675.22	938.45	743.64	651.02	596.75	357.08	274.40	251.35	358.91	7368.31 MCM

MOMENTARY PEAK 529.40 CMS, AT 48.44 M (MSL), AT 24.00 HOURS, ON SEP 5, 1979

RUNOFF YIELD 12.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 27.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

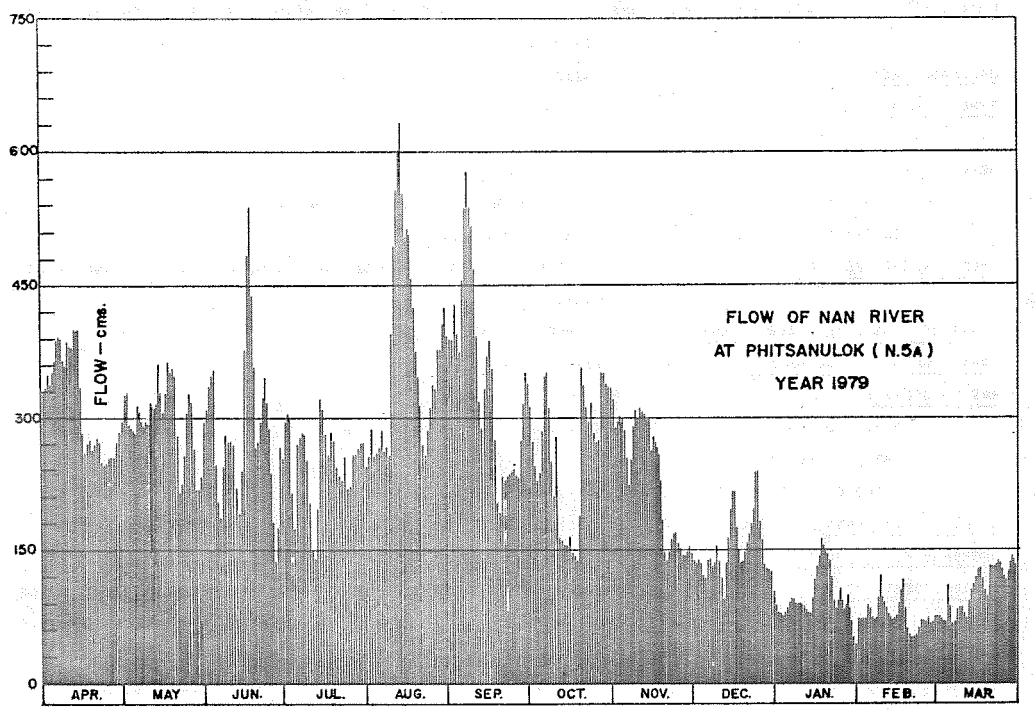
NAN RIVER AT PHITSANULOK, PHITSANULOK (N.5A)

LOCATION	LAT. 16°-49'-15" N., LONG. 100°-15'-49" E., ON LEFT BANK NEAR POST OFFICE AND ABOUT 1 KILOMETER UPSTREAM FROM GAGING STATION N.5, AMPHOE MUANG, PHITSANULOK.
DRAINAGE AREA	25,286 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+34.50 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+45.856 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1963 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 93 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	38.09	38.01	37.90	37.76	37.42	38.51	37.69	38.02	36.17	35.69	35.32	35.39	
2	38.22	38.03	38.17	37.84	37.69	38.70	37.36	37.74	36.15	35.43	35.33	35.34	
3	38.13	37.70	38.26	36.99	37.42	38.87	37.13	37.83	36.19	35.46	35.37	35.34	
4	38.32	37.68	37.79	36.58	37.46	38.33	37.24	37.73	36.11	35.41	35.59	35.28	
5	38.53	37.63	37.00	37.48	37.51	38.64	37.65	37.79	35.93	35.59	35.53	35.95	
6	38.57	37.93	36.76	37.60	37.66	39.53	38.21	37.43	36.17	35.69	35.36	35.28	
7	38.53	37.75	37.31	37.63	37.46	39.97	38.23	37.12	36.26	35.71	35.76	35.28	
8	38.31	37.71	37.61	37.63	37.51	39.71	37.73	37.72	36.13	35.67	35.96	35.34	
9	38.54	37.77	37.57	37.36	37.40	39.52	37.02	37.89	36.44	35.63	35.75	35.56	
10	38.52	37.73	37.57	36.90	39.15	38.97	37.61	37.78	36.30	35.65	35.65	35.60	
11	38.46	37.97	37.52	36.32	39.64	38.08	36.49	37.91	36.07	35.60	35.52	35.40	
12	38.62	37.80	37.04	36.20	40.09	37.68	36.51	38.03	35.72	35.55	35.38	35.34	
13	38.62	37.97	36.81	36.82	40.34	37.98	36.53	37.83	36.10	35.54	35.36	35.63	
14	38.13	38.31	37.19	38.00	39.69	38.35	36.45	37.76	36.81	35.56	35.40	35.85	
15	37.72	37.79	37.73	37.86	39.44	38.52	36.44	37.46	37.04	35.94	35.69	35.90	
16	37.45	37.94	39.02	37.51	39.52	38.28	36.55	37.64	37.06	36.08	35.91	36.01	
17	37.54	38.35	39.48	37.41	39.12	37.57	36.39	37.64	36.59	36.39	35.60	36.06	
18	37.55	38.24	39.11	37.64	38.52	36.93	36.29	37.46	36.21	36.49	35.19	35.95	
19	37.47	38.28	38.06	37.57	38.21	36.79	36.22	36.90	36.18	36.40	35.02	35.76	
20	37.59	38.20	37.51	37.28	38.01	37.20	36.95	36.37	36.31	36.34	35.01	36.03	
21	37.60	37.61	37.64	37.20	37.50	37.15	38.28	36.22	36.51	36.16	35.03	36.09	
22	37.42	37.03	38.06	37.17	37.42	37.21	38.22	36.46	36.64	35.81	35.25	36.04	
23	37.30	37.18	38.19	37.41	37.70	37.23	37.75	36.56	36.76	35.57	35.31	36.14	
24	37.36	37.76	37.77	37.06	37.91	37.28	37.71	36.61	37.24	35.75	35.31	36.19	
25	37.40	38.05	37.32	37.08	38.15	37.25	37.55	36.45	37.26	35.84	35.34	36.10	
26	37.37	37.97	36.69	37.44	38.07	37.20	37.58	36.34	36.65	35.58	35.29	35.93	
27	37.37	37.69	36.32	37.43	38.20	37.47	37.91	36.29	36.25	35.67	35.32	36.05	
28	37.53	37.06	36.84	37.49	38.22	37.94	38.24	36.32	36.09	35.73	35.32	36.21	
29	37.65	37.07	37.51	37.55	38.69	38.22	38.15	36.44	36.05	35.14	35.38	36.27	
30	37.75	37.18	37.38	37.53	38.81	38.16	38.12	36.38	36.03	34.79		36.19	
31		37.71		37.32	38.57		38.11		35.86	34.98		36.09	
MEAN	37.92	37.78	37.64	37.32	38.34	38.11	37.36	37.20	36.36	35.70	35.42	35.79	
MAX	38.62	38.35	39.48	38.00	40.34	39.97	38.28	38.03	37.26	36.49	35.96	36.27	40.34
MIN	37.30	37.03	36.32	36.20	37.40	36.79	36.22	36.22	35.72	34.79	35.01	35.28	34.79

ANNUAL MAX MOMENTARY GAGE HEIGHT 40.39 M (MSL), AT 10.00 HOURS, ON AUG 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 34.50 M (MSL), RIVER BED 32.50 M (MSL)
LEFT BANK ELEVATION 45.86 M (MSL)
RIGHT BANK ELEVATION 45.85 M (MSL), DRAINAGE AREA 25286 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	332.8	323.2	310.0	294.6	257.2	384.3	286.9	324.4	135.5	92.3	69.6	73.5	
2	348.4	325.6	342.4	303.4	286.9	409.0	250.6	292.4	134.1	75.8	70.1	70.7	
3	337.6	288.0	353.2	210.0	257.2	431.1	225.3	302.3	136.8	77.6	72.4	70.7	
4	360.4	285.8	297.9	169.0	261.6	361.6	237.4	291.3	131.4	74.6	85.4	67.4	
5	386.9	280.3	211.0	263.8	267.1	401.2	282.5	297.9	115.6	85.4	81.8	118.0	
6	392.1	313.6	187.0	277.0	283.6	516.9	347.2	258.3	135.5	92.3	71.8	67.4	
7	386.9	293.5	245.1	280.3	261.6	574.8	349.6	224.2	141.5	93.7	97.2	67.4	
8	359.2	289.1	278.1	280.3	267.1	540.3	291.3	290.2	132.8	90.9	119.2	70.7	
9	388.2	295.7	273.7	250.6	255.0	515.6	213.2	308.9	155.0	88.1	96.5	83.6	
10	385.6	291.3	273.7	201.0	467.5	444.1	278.1	296.8	144.2	89.5	89.5	86.0	
11	377.8	318.4	268.2	145.6	531.2	331.6	160.0	311.2	128.7	86.0	81.2	74.0	
12	398.6	299.0	215.4	137.5	591.6	285.8	162.0	325.6	94.4	83.0	72.9	70.7	
13	398.6	318.4	192.0	193.0	629.0	319.6	164.0	302.3	130.7	82.4	71.8	88.1	
14	337.6	359.2	231.9	322.0	537.7	364.0	156.0	294.6	192.0	83.6	74.0	106.0	
15	290.2	297.9	291.3	305.6	505.2	385.6	155.0	261.6	215.4	116.8	92.3	112.0	
16	260.5	314.8	450.6	267.1	515.6	355.6	166.0	281.4	217.6	129.4	113.2	124.7	
17	270.4	364.0	510.4	256.1	463.6	273.7	150.3	281.4	170.0	150.3	86.0	128.0	
18	271.5	350.8	462.3	281.4	385.6	204.0	143.6	261.6	138.2	160.0	62.4	118.0	
19	262.7	355.6	329.2	273.7	347.2	190.0	138.8	201.0	136.1	151.0	53.1	97.2	
20	275.9	346.0	267.1	241.8	323.2	233.0	206.0	149.0	144.9	147.0	52.5	126.0	
21	277.0	278.1	281.4	233.0	266.0	227.5	355.6	138.8	162.0	134.8	53.6	130.1	
22	257.2	214.3	329.2	229.7	257.2	234.1	348.4	157.0	175.0	101.2	65.8	126.7	
23	244.0	230.8	344.8	256.1	288.0	236.3	293.5	167.0	187.0	84.2	69.1	133.5	
24	250.6	294.6	295.7	217.6	311.2	241.8	289.1	172.0	237.4	96.5	69.1	136.8	
25	255.0	328.0	246.2	219.8	340.0	238.5	271.5	156.0	239.6	104.8	70.7	130.7	
26	251.7	318.4	180.0	259.4	330.4	233.0	274.8	147.0	176.0	84.8	67.9	115.6	
27	251.7	286.9	145.6	258.3	346.0	262.7	311.2	143.6	140.9	90.9	69.6	127.4	
28	269.3	217.6	195.0	264.9	348.4	314.8	350.8	145.6	130.1	95.1	69.6	138.2	
29	282.5	218.7	267.1	271.5	407.7	348.4	340.0	155.0	127.4	59.7	72.9	142.2	
30	293.5	230.8	252.8	269.3	423.3	341.2	336.4	149.7	126.0	41.5		136.8	
31		289.1		246.2	392.1		335.2		107.2	51.0		130.1	
TOTAL	9454.4	9217.5	8528.3	7679.6	11405.0	10200.1	7870.3	7088.1	4739.0	2994.2	2221.2	3268.2	84665.8 CMSDAY
MEAN	315.1	297.3	284.3	247.7	367.9	340.0	253.9	236.3	152.9	96.6	76.6	105.4	231.3 CMS
MAX	398.6	364.0	510.4	322.0	629.0	574.8	355.6	325.6	239.6	160.0	119.2	142.2	629.0 CMS
MIN	244.0	214.3	145.6	137.5	255.0	190.0	138.8	138.8	94.4	41.5	52.5	67.4	41.5 CMS
RUNOFF	816.86	796.39	736.84	663.52	985.39	881.29	679.99	612.41	409.45	258.70	191.91	282.37	7315.12 MCM

MOMENTARY PEAK 636.50 CMS, AT 40.39 M (MSL), AT 10.00 HOURS, ON AUG 13, 1979

RUNOFF YIELD 9.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 25.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT PHICHIT, PHICHIT (N.7)

LOCATION — LAT. 16°-26'-31" N., LONG. 100°-21'-11" E., ON RIGHT BANK INFRONT OF PHICHIT PHITHAYA KHAM SCHOOL, AMPHOE MUANG, PHICHIT.

DRAINAGE AREA — 29,153 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +26.00 M. (M.S.L.)

BENCH MARK — B.M.-R.I.D. NO.4

LOCATION — INFRONT OF PHICHIT PHITHAYA KHAM SCHOOL.

ELEVATION — +37.228 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1934 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1967, 1973 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1965-1967, 1973 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY SIRIKIT DAM SINCE JUNE 5, 1971.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

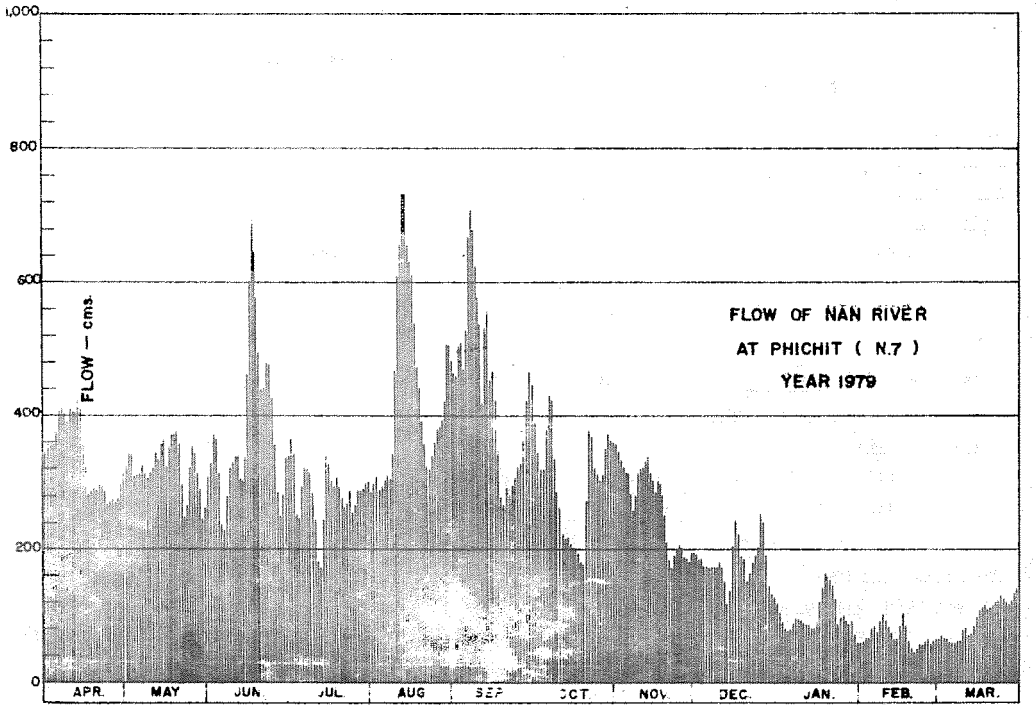
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.28	30.10	29.97	30.25	29.77	31.20	31.05	30.38	28.81	27.86	27.00	27.17	
2	30.38	30.29	30.19	30.44	29.91	31.15	30.66	30.28	28.74	27.69	27.08	27.21	
3	30.38	30.24	30.49	30.26	29.99	31.44	30.28	30.19	28.72	27.45	27.16	27.15	
4	30.38	29.97	30.45	29.46	29.80	31.48	30.07	30.10	28.61	27.38	27.19	27.13	
5	30.61	29.97	30.01	29.36	29.85	31.22	30.07	30.05	28.59	27.34	27.39	27.09	
6	30.77	30.00	29.25	29.89	29.91	31.60	30.55	30.00	28.57	27.49	27.42	27.01	
7	30.81	30.13	29.19	30.08	30.00	32.47	30.94	29.50	28.60	27.60	27.27	27.01	
8	30.72	29.99	29.72	30.08	29.92	32.70	30.87	29.50	28.61	27.61	27.51	27.06	
9	30.63	29.95	30.08	30.01	30.27	32.52	30.37	29.96	28.58	27.60	27.79	27.11	
10	30.77	30.01	30.17	29.72	31.21	32.17	29.76	30.07	28.68	27.53	27.66	27.34	
11	30.76	30.09	30.25	29.34	31.94	31.65	29.32	30.06	28.55	27.53	27.51	27.41	
12	30.76	30.29	30.24	28.74	32.39	30.86	29.11	30.17	28.27	27.48	27.37	27.25	
13	30.87	30.17	29.94	28.57	32.85	31.62	29.07	30.22	27.94	27.43	27.28	27.26	
14	30.76	30.38	29.93	29.38	32.83	31.78	29.06	30.05	28.31	27.39	27.11	27.43	
15	30.34	30.45	30.33	30.24	32.38	31.10	28.96	29.92	29.00	27.47	27.18	27.65	
16	30.07	30.07	31.19	30.14	32.21	31.20	28.91	29.74	29.34	27.81	27.48	27.78	
17	29.73	30.22	32.40	29.90	32.10	30.90	28.92	29.89	29.13	28.05	27.69	27.85	
18	29.78	30.52	32.62	29.83	31.65	30.30	28.78	29.87	28.76	28.35	27.43	27.94	
19	29.79	30.49	32.05	29.98	31.16	29.72	28.65	29.66	28.71	28.47	27.10	27.80	
20	29.77	30.52	31.36	29.87	30.83	29.58	28.66	28.99	28.32	28.40	26.83	27.81	
21	29.86	30.35	30.99	29.69	30.43	29.84	29.63	28.71	28.49	28.33	26.77	27.88	
22	29.87	29.84	31.02	29.54	30.12	29.79	30.53	28.57	28.63	28.12	26.82	27.97	
23	29.71	29.38	31.26	29.60	30.03	29.85	30.43	28.75	28.77	27.82	27.02	28.00	
24	29.61	29.60	31.27	29.78	30.20	29.88	30.08	28.87	28.93	27.49	27.02	28.06	
25	29.64	30.09	30.90	29.46	30.41	30.08	30.02	28.94	29.45	27.65	27.10	28.03	
26	29.66	30.34	30.37	29.60	30.56	30.13	29.91	28.83	29.34	27.68	27.13	27.99	
27	29.61	30.25	29.76	29.78	30.59	30.21	29.96	28.71	28.78	27.49	27.02	27.89	
28	29.69	30.01	29.44	29.78	30.67	30.59	30.28	28.74	28.43	27.52	27.10	27.97	
29	29.88	29.77	29.82	29.82	30.88	30.91	30.50	28.70	28.16	27.53	27.13	28.13	
30	30.01	29.37	30.22	29.89	31.47	31.18	30.46	28.86	28.10	27.18		28.22	
31		29.59		29.90	31.44		30.42		28.02	27.00		28.19	
MEAN	30.20	30.08	30.50	29.75	30.90	30.97	29.88	29.54	28.64	27.67	27.23	27.61	
MAX	30.87	30.52	32.62	30.44	32.85	32.70	31.05	30.38	29.45	28.47	27.79	28.22	32.85
MIN	29.61	29.37	29.19	28.57	29.77	29.58	28.65	28.57	27.94	27.00	26.77	27.01	26.77

ANNUAL MAX MOMENTARY GAGE HEIGHT — 33.00 M (MSL), AT 24.00 HOURS, ON AUG 13, 1979

ZERO GAGE AT BOTTOM ELEVATION — 26.00 M (MSL), RIVER BED — 24.40 M (MSL)

LEFT BANK ELEVATION — 37.06 M (MSL)

RIGHT BANK ELEVATION — 37.33 M (MSL), DRAINAGE AREA — 29153 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	343.6	322.0	307.7	340.0	285.7	467.0	445.2	355.6	190.9	111.5	56.0	65.2	
2	355.6	344.8	332.8	363.2	301.1	459.7	391.8	343.6	184.6	99.3	60.0	67.6	
3	355.6	338.8	369.7	341.2	309.9	503.0	343.6	332.8	182.8	82.7	64.6	64.0	
4	355.6	307.7	364.5	254.0	289.0	509.0	318.7	322.0	172.9	78.2	66.4	62.8	
5	385.3	307.7	312.1	244.0	294.5	470.0	318.7	316.5	171.1	75.6	78.8	60.5	
6	406.1	311.0	233.0	298.9	301.1	527.0	377.5	311.0	169.3	85.3	80.8	56.5	
7	411.4	325.6	227.0	319.8	311.0	668.9	429.6	258.0	172.0	93.0	71.2	56.5	
8	399.6	309.9	280.2	319.8	302.2	708.0	419.8	258.0	172.9	93.7	86.7	59.0	
9	387.9	305.5	319.8	312.1	342.4	677.4	354.4	306.6	170.2	93.0	106.3	61.6	
10	406.1	312.1	330.4	280.2	468.5	617.9	284.6	318.7	179.2	88.1	97.2	75.6	
11	404.8	320.9	340.0	242.0	580.4	534.7	240.0	317.6	167.5	88.1	86.7	80.1	
12	404.8	344.8	338.8	184.6	655.3	418.4	219.0	330.4	143.6	84.7	77.5	70.0	
13	419.8	330.4	304.4	169.3	733.5	530.1	215.2	336.4	117.5	81.4	71.8	70.6	
14	404.8	355.6	303.3	246.0	730.1	554.9	214.2	316.5	146.8	78.8	61.6	81.4	
15	350.8	364.5	349.6	338.8	653.6	452.5	204.7	302.2	208.5	84.0	65.8	96.5	
16	318.7	318.7	465.6	326.8	624.7	467.0	200.0	282.4	242.0	107.7	84.7	105.6	
17	281.3	336.4	657.0	300.0	606.0	424.0	200.9	298.9	221.0	126.0	99.3	110.7	
18	286.8	373.6	694.4	292.3	534.7	346.0	188.2	296.7	186.4	150.0	81.4	117.5	
19	287.9	369.7	598.0	308.8	461.2	280.2	176.5	274.0	181.9	160.3	61.0	107.0	
20	285.7	373.6	491.0	296.7	414.2	266.0	177.4	207.5	147.6	154.0	47.5	107.7	
21	295.6	352.0	436.6	277.0	361.9	293.4	271.0	181.9	162.1	148.4	44.5	113.0	
22	296.7	293.4	440.9	262.0	324.4	287.9	374.9	169.3	174.7	131.6	47.0	119.7	
23	279.1	246.0	476.0	268.0	314.3	294.5	361.9	185.5	187.3	108.5	57.0	122.0	
24	269.0	268.0	477.5	286.8	334.0	297.8	319.8	196.3	201.8	85.3	57.0	126.8	
25	272.0	320.9	424.0	254.0	359.3	319.8	313.2	202.8	253.0	96.5	61.0	124.4	
26	274.0	350.8	354.4	268.0	378.8	325.6	301.1	192.7	242.0	98.6	62.8	121.2	
27	269.0	340.0	284.6	286.8	382.7	335.2	306.6	181.9	188.2	85.3	57.0	113.7	
28	277.0	312.1	252.0	286.8	393.1	382.7	343.6	184.6	156.7	87.4	61.0	119.7	
29	297.8	285.7	291.2	291.2	421.2	425.4	371.0	181.0	134.8	88.1	62.8	132.4	
30	312.1	245.0	336.4	298.9	507.5	464.1	365.8	195.4	130.0	65.8		139.6	
31		267.0		300.0	503.0		360.6		123.6	56.0		137.2	
TOTAL	10094.5	9954.2	11392.9	8858.0	13479.3	13308.1	9409.5	7956.8	5482.9	3066.9	2015.4	2946.1	97964.5 CMSDAY
MEAN	336.5	321.1	379.8	285.7	434.8	443.6	303.5	265.2	176.9	98.9	69.5	95.0	267.7 CMS
MAX	419.8	373.6	694.4	363.2	733.5	708.0	445.2	355.6	253.0	160.3	106.3	139.6	733.5 CMS
MIN	269.0	245.0	227.0	169.3	285.7	266.0	176.5	169.3	117.5	56.0	44.5	56.5	44.5 CMS
RUNOFF	872.16	860.04	984.35	765.33	1164.61	1149.82	812.98	687.47	473.72	264.98	174.13	254.54	8464.13 MCM

MOMENTARY PEAK 759.50 CMS, AT 33.00 M (MSL), AT 24.00 HOURS, ON AUG 13, 1979

RUNOFF YIELD 9.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 26.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

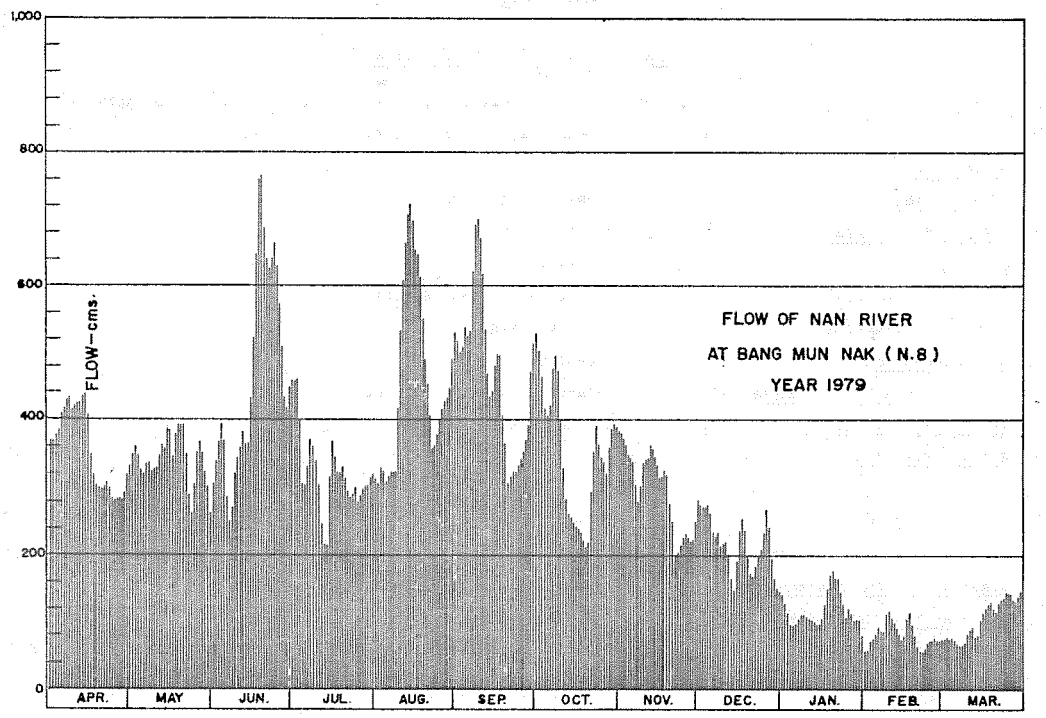
NAN RIVER AT BANG MUN NAK, PHICHIT (N.8)

LOCATION	LAT. 16°-01'-50" N., LONG. 100°-22'-53" E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BANG MUN NAK MARKET, AMPHOE BANG MUN NAK, PHICHIT.
DRAINAGE AREA	32,878 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+19.80 M. (M.S.L.)
BENCH MARK	B.M.-H.S. NO.8
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+30.523 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967, 1973-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967, 1973-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.35	24.06	23.77	25.04	23.94	25.45	25.54	24.49	23.66	22.22	21.04	21.35	
2	24.33	24.20	24.10	25.02	23.87	25.33	25.34	24.45	23.59	22.04	21.06	21.39	
3	24.43	24.29	24.34	25.04	24.07	25.37	25.04	24.37	23.58	21.86	21.31	21.40	
4	24.45	24.16	24.54	24.52	24.00	25.59	24.72	24.28	23.62	21.68	21.37	21.37	
5	24.65	24.01	24.38	23.84	23.88	25.51	24.62	24.20	23.52	21.64	21.45	21.35	
6	24.69	23.96	23.87	23.88	23.93	25.56	24.74	24.19	23.23	21.63	21.59	21.30	
7	24.80	24.07	23.36	24.27	24.02	26.16	25.15	24.00	23.17	21.74	21.55	21.23	
8	24.81	24.11	23.53	24.38	24.02	26.62	25.31	23.63	23.22	21.83	21.50	21.22	
9	24.70	24.01	23.95	24.29	24.02	26.67	25.13	23.84	22.99	21.83	21.82	21.27	
10	24.71	24.03	24.16	24.14	24.72	26.48	24.59	24.12	23.05	21.80	21.94	21.37	
11	24.70	24.04	24.25	23.85	25.56	26.13	24.04	24.17	23.07	21.77	21.82	21.54	
12	24.77	24.18	24.45	23.37	26.12	25.52	23.66	24.19	22.85	21.76	21.71	21.57	
13	24.84	24.29	24.35	23.00	26.57	24.93	23.48	24.32	22.50	21.71	21.58	21.44	
14	24.86	24.26	24.32	22.99	26.81	24.86	23.43	24.27	22.31	21.67	21.44	21.40	
15	24.65	24.48	24.65	23.90	26.65	25.10	23.37	24.13	22.76	21.64	21.33	21.65	
16	24.28	24.33	25.27	24.33	26.40	25.32	23.30	23.98	23.25	21.75	21.43	21.86	
17	23.93	24.16	26.33	24.17	26.32	25.30	23.27	23.93	23.42	22.02	21.77	21.96	
18	23.81	24.43	26.99	23.99	26.11	24.92	23.22	24.03	23.23	22.28	21.85	22.04	
19	23.83	24.53	27.08	23.99	25.68	24.33	23.08	23.95	22.84	22.54	21.57	22.07	
20	23.79	24.53	26.71	24.07	25.27	23.88	22.97	23.69	22.58	22.62	21.29	21.95	
21	23.82	24.53	26.30	23.90	24.99	23.92	23.08	23.31	22.54	22.54	21.12	21.88	
22	23.87	24.22	26.19	23.74	24.63	24.01	24.14	22.93	22.70	22.47	21.06	22.08	
23	23.80	23.73	26.29	23.68	24.30	24.02	24.55	22.88	22.85	22.24	21.08	22.13	
24	23.67	23.47	26.39	23.80	24.35	24.07	24.41	23.02	22.97	21.93	21.25	22.15	
25	23.64	23.82	26.20	23.81	24.49	24.17	24.20	23.12	23.22	21.76	21.32	22.23	
26	23.66	24.23	25.84	23.63	24.68	24.36	24.12	23.20	23.55	21.94	21.32	22.23	
27	23.64	24.35	25.40	23.79	24.77	24.36	24.00	23.12	23.30	21.86	21.36	22.12	
28	23.64	24.21	24.84	23.84	24.84	24.60	24.20	23.07	22.80	21.72	21.32	22.06	
29	23.75	23.98	24.73	23.83	24.93	25.13	24.48	23.14	22.53	21.77	21.33	22.16	
30	23.96	23.81	24.97	23.91	25.27	25.44	24.57	23.37	22.36	21.72		22.28	
31		23.46		23.98	25.55		24.54		22.30	21.36		22.32	
MEAN	24.23	24.13	25.05	24.00	24.99	25.10	24.20	23.78	23.02	21.91	21.43	21.75	
MAX	24.86	24.53	27.08	25.04	26.81	26.67	25.54	24.49	23.66	22.62	21.94	22.32	27.08
MIN	23.64	23.46	23.36	22.99	23.87	23.88	22.97	22.88	22.30	21.36	21.04	21.22	21.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 27.12 M (MSL), AT 24.00 HOURS, ON JUN 19, 1979
ZERO GAGE AT BOTTOM ELEVATION 19.80 M (MSL), RIVER BED 18.33 M (MSL)
LEFT BANK ELEVATION 30.36 M (MSL)
RIGHT BANK ELEVATION 30.70 M (MSL), DRAINAGE AREA 32878 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	365.7	329.2	294.5	458.9	314.8	516.7	529.8	384.6	282.1	140.7	54.7	74.0	
2	363.0	346.0	334.0	456.2	306.4	499.3	500.8	379.2	274.4	126.2	55.8	76.8	
3	376.5	357.7	364.4	458.9	330.4	505.1	458.9	368.4	273.3	112.0	71.2	77.5	
4	379.2	341.2	391.4	388.7	322.0	537.0	415.7	356.4	277.7	98.5	75.4	75.4	
5	406.2	323.2	369.8	302.8	307.6	525.4	402.2	346.0	266.7	95.5	81.2	74.0	
6	411.6	317.2	306.4	307.6	313.6	532.7	418.4	344.8	235.5	94.7	91.7	70.5	
7	426.5	330.4	249.1	355.1	324.4	620.0	474.0	322.0	229.5	103.0	88.8	66.0	
8	427.8	335.2	267.8	369.8	324.4	691.2	496.4	278.8	234.5	109.8	85.0	65.3	
9	413.0	323.2	316.0	357.7	324.4	699.2	471.2	302.8	211.5	109.8	109.0	68.5	
10	414.3	325.6	341.2	338.8	415.7	668.9	398.1	336.4	217.5	107.5	118.2	75.4	
11	423.8	326.8	352.5	304.0	532.7	615.5	326.8	342.4	219.5	105.2	109.0	88.0	
12	422.4	343.6	379.2	250.2	614.0	526.9	282.1	344.8	197.8	104.5	100.8	90.3	
13	431.9	357.7	365.7	212.5	683.2	444.0	262.3	361.7	165.5	100.8	91.0	80.5	
14	434.6	353.8	361.7	211.5	721.6	434.6	256.8	355.1	148.4	97.8	80.5	77.5	
15	406.2	383.3	406.2	310.0	696.0	467.0	250.2	337.6	189.2	95.5	72.6	96.2	
16	356.4	363.0	490.8	363.0	656.5	497.9	242.5	319.6	237.5	103.8	79.7	112.0	
17	313.6	341.2	645.6	342.4	644.1	495.0	239.5	313.6	255.7	124.6	105.2	119.8	
18	299.2	376.5	750.4	320.8	612.5	442.7	234.5	325.6	235.5	145.8	111.3	126.2	
19	301.6	390.0	764.8	320.8	550.1	363.0	220.5	316.0	196.8	169.1	90.3	128.6	
20	296.8	390.0	705.6	330.4	490.8	307.6	209.5	285.4	172.7	176.3	69.8	119.0	
21	300.4	390.0	641.0	310.0	452.1	312.4	220.5	243.6	169.1	169.1	59.2	113.5	
22	306.4	348.6	624.5	291.1	403.5	323.2	338.8	205.5	183.5	162.8	55.8	129.4	
23	298.0	290.0	639.5	284.3	359.0	324.4	392.7	200.6	197.8	142.4	56.9	133.4	
24	283.2	261.2	654.9	298.0	365.7	330.4	373.9	214.5	209.5	117.4	67.3	135.0	
25	279.9	300.4	626.0	299.2	384.6	342.4	346.0	224.5	234.5	104.5	71.9	141.6	
26	282.1	349.9	573.3	278.8	410.3	367.1	336.4	232.5	270.0	118.2	71.9	141.6	
27	279.9	365.7	509.5	296.8	422.4	367.1	322.0	224.5	242.5	112.0	74.7	138.6	
28	279.9	347.3	431.9	302.8	431.9	399.5	346.0	219.5	193.0	101.5	71.9	127.8	
29	292.3	319.6	417.1	301.6	444.0	471.2	383.3	226.5	168.2	105.2	72.6	135.8	
30	317.2	299.2	449.4	311.2	490.8	515.3	395.5	250.2	152.9	101.5		145.8	
31		260.1		319.6	531.2		391.4		147.5	74.7		149.3	
TOTAL	10589.6	10486.8	14024.2	10053.5	14180.7	14142.7	10936.7	8963.1	6689.8	3630.4	2343.4	3247.3	109288.1 CMSDAY
MEAN	353.0	338.3	467.5	324.3	457.4	471.4	352.8	298.8	215.8	117.1	80.8	104.8	298.6 CMS
MAX	434.6	390.0	764.8	458.9	721.6	699.2	529.8	384.6	282.1	176.3	118.2	149.3	764.8 CMS
MIN	279.9	260.1	249.1	211.5	306.4	307.6	209.5	200.6	147.5	74.7	54.7	65.3	54.7 CMS
RUNOFF	914.94	906.06	1211.69	868.62	1225.21	1221.93	944.93	774.41	578.00	313.67	202.47	280.57	9442.49 MCM

MOMENTARY PEAK 771.20 CMS, AT 27.12 M (MSL), AT 24.00 HOURS, ON JUN 19, 1979

RUNOFF YIELD 9.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.46 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

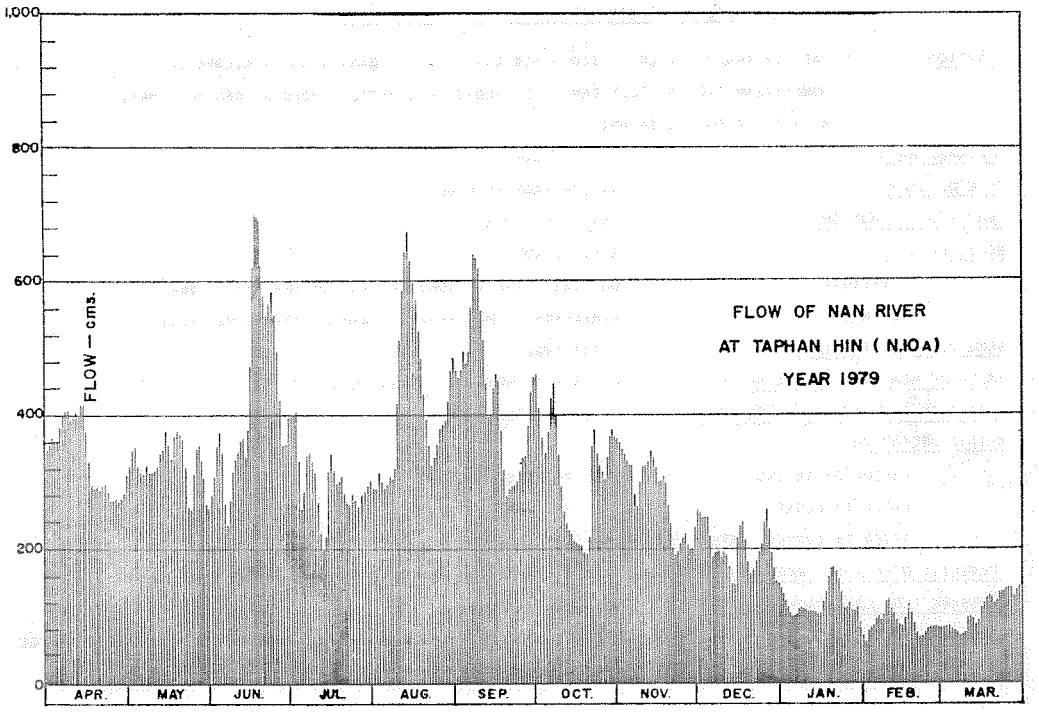
NAN RIVER AT TAPHAN HIN, PHICHIT (N.10A)

LOCATION	LAT. 16°-12'-42" N., LONG. 100°-25'-01" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM WAT THEVA PRASAT, TAMBON HUAI KET, AMPHOE TAPHAN HIN, PHICHIT.
DRAINAGE AREA	30,765 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+22.280 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+33.30 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1974-1979
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 73 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	26.27	26.03	25.79	26.64	25.76	27.24	27.17	26.39	25.45	24.16	23.05	23.41	
2	26.29	26.20	26.05	26.68	25.74	27.13	26.88	26.34	25.35	23.98	23.25	23.44	
3	26.38	26.26	26.29	26.68	25.94	27.23	26.55	26.24	25.36	23.79	23.43	23.44	
4	26.36	26.07	26.45	26.06	25.84	27.45	26.24	26.15	25.36	23.70	23.43	23.41	
5	26.46	25.95	26.16	25.46	25.76	27.30	26.22	26.07	25.07	23.66	23.57	23.37	
6	26.66	25.90	25.58	25.77	25.82	27.48	26.45	26.06	24.73	23.67	23.65	23.31	
7	26.73	26.05	25.21	26.18	25.93	28.13	26.91	25.78	24.79	23.81	23.55	23.24	
8	26.73	26.03	25.54	26.20	25.89	28.54	27.03	25.49	24.84	23.84	23.67	23.25	
9	26.60	25.95	25.96	26.10	26.03	28.50	26.72	25.84	24.68	23.80	23.97	23.29	
10	26.67	25.98	26.12	25.93	26.81	28.31	26.15	26.06	24.81	23.78	23.95	23.45	
11	26.73	25.99	26.21	25.59	27.59	27.88	25.60	26.06	24.79	23.76	23.82	23.62	
12	26.70	26.17	26.37	25.09	28.10	27.17	25.29	26.11	24.56	23.74	23.70	23.58	
13	26.79	26.22	26.39	24.82	28.54	26.66	25.19	26.23	24.26	23.72	23.58	23.45	
14	26.81	26.26	26.16	25.06	28.76	26.68	25.15	26.14	24.26	23.68	23.46	23.49	
15	26.48	26.45	26.56	26.01	28.47	26.98	25.06	26.03	24.86	23.67	23.41	23.79	
16	26.10	26.18	27.26	26.22	28.23	27.18	24.94	25.83	25.21	23.90	23.58	23.92	
17	25.81	26.12	28.40	25.99	28.15	27.08	24.93	25.85	25.29	24.10	23.91	23.99	
18	25.77	26.42	28.97	25.83	27.86	26.58	24.93	25.92	25.03	24.36	23.84	24.07	
19	25.79	26.47	28.91	25.88	27.36	25.97	24.85	25.81	24.64	24.57	23.55	24.07	
20	25.74	26.43	28.41	25.90	26.97	25.64	24.74	25.51	24.49	24.56	23.32	23.92	
21	25.78	26.38	27.96	25.69	26.68	25.76	25.02	25.05	24.51	24.49	23.20	23.95	
22	25.81	26.02	27.86	25.57	26.29	25.80	26.26	24.76	24.67	24.38	23.18	24.13	
23	25.70	25.51	28.00	25.52	26.05	25.80	26.49	24.81	24.81	24.12	23.24	24.13	
24	25.61	25.43	28.11	25.68	26.15	25.85	26.21	24.95	24.94	23.83	23.38	24.15	
25	25.60	25.87	27.84	25.61	26.30	25.98	26.04	25.05	25.29	23.79	23.42	24.23	
26	25.62	26.24	27.41	25.47	26.51	26.16	25.96	25.13	25.48	23.90	23.42	24.21	
27	25.59	26.30	26.86	25.67	26.57	26.17	25.88	24.93	25.13	23.79	23.44	24.07	
28	25.61	26.10	26.30	25.71	26.61	26.42	26.13	24.87	24.72	23.74	23.40	24.06	
29	25.72	25.85	26.31	25.73	26.76	26.83	26.41	24.88	24.44	23.82	23.41	24.19	
30	25.94	25.54	26.64	25.78	27.18	27.12	26.47	25.21	24.34	23.63		24.29	
31		25.41		25.85	27.36		26.42		24.29	23.30		24.31	
MEAN	26.16	26.06	26.87	25.82	26.84	26.90	25.94	25.65	24.85	23.90	23.51	23.78	
MAX	26.81	26.47	28.97	26.68	28.76	28.54	27.17	26.39	25.48	24.57	23.97	24.31	28.97
MIN	25.59	25.41	25.21	24.82	25.74	25.64	24.74	24.76	24.26	23.30	23.05	23.24	23.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 29.04 M (MSL), AT 24.00 HOURS, ON JUN 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 22.28 M (MSL), RIVER BED 20.82 M (MSL)
LEFT BANK ELEVATION 33.18 M (MSL)
RIGHT BANK ELEVATION 33.08 M (MSL), DRAINAGE AREA 30765 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	350.4	321.6	292.9	394.8	289.6	469.4	460.5	364.8	257.0	138.8	60.3	83.2	
2	352.8	342.0	324.0	399.6	287.4	455.5	424.0	358.8	247.0	125.0	72.3	85.3	
3	363.6	349.2	352.8	399.6	310.8	468.1	384.0	346.8	248.0	110.7	84.6	85.3	
4	361.2	326.4	372.0	325.2	298.8	496.0	346.8	336.0	248.0	104.0	84.6	83.2	
5	373.2	312.0	337.2	258.0	289.6	477.0	344.4	326.4	219.0	101.0	94.4	80.4	
6	397.2	306.0	270.0	290.7	296.4	499.8	372.0	325.2	187.7	101.7	100.2	76.2	
7	405.6	324.0	233.0	339.6	309.6	586.5	427.7	291.8	193.1	112.2	93.0	71.6	
8	405.6	321.6	266.0	342.0	304.8	641.9	442.8	261.0	197.6	114.5	101.7	72.3	
9	390.0	312.0	313.2	330.0	321.6	636.5	404.4	298.8	183.2	111.5	124.2	74.8	
10	398.4	315.6	332.4	309.6	415.2	610.8	336.0	325.2	194.9	110.0	122.7	86.0	
11	405.6	316.8	343.2	271.0	513.7	552.8	272.0	325.2	193.1	108.5	113.0	98.0	
12	402.0	338.4	362.4	221.0	582.5	460.5	241.0	331.2	172.4	107.0	104.0	95.1	
13	412.8	344.4	364.8	195.8	641.9	397.2	231.0	345.6	146.8	105.5	95.1	86.0	
14	415.2	349.2	337.2	218.0	671.6	399.6	227.0	334.8	146.8	102.5	86.7	88.8	
15	375.6	372.0	385.2	319.2	632.4	436.5	218.0	321.6	199.4	101.7	83.2	110.7	
16	330.0	339.6	471.9	344.4	600.0	461.8	206.6	297.6	233.0	119.0	95.1	120.5	
17	295.2	332.4	623.0	316.8	589.2	449.1	205.7	300.0	241.0	134.0	119.8	125.7	
18	290.7	368.4	699.9	297.6	550.1	387.6	205.7	308.4	215.0	154.8	114.5	131.8	
19	292.9	374.4	691.8	303.6	484.6	314.4	198.5	295.2	179.6	173.3	93.0	131.8	
20	287.4	369.6	624.3	306.0	435.2	276.4	188.6	263.0	166.1	172.4	76.9	120.5	
21	291.8	363.6	563.6	281.9	399.6	289.6	214.0	217.0	167.9	166.1	69.0	122.7	
22	295.2	320.4	550.1	269.0	352.8	294.0	349.2	190.4	182.3	156.4	67.8	136.4	
23	283.0	263.0	569.0	266.0	324.0	294.0	376.8	194.9	194.9	135.6	71.6	136.4	
24	273.1	255.0	583.8	280.8	336.0	300.0	343.2	207.5	206.6	113.7	81.1	138.0	
25	272.0	302.4	547.4	273.1	354.0	315.6	322.8	217.0	241.0	110.7	83.9	144.4	
26	274.2	346.8	490.9	259.0	379.2	337.2	313.2	225.0	260.0	119.0	83.9	142.8	
27	271.0	354.0	421.5	279.7	386.4	338.4	303.6	205.7	225.0	110.7	85.3	131.8	
28	273.1	330.0	354.0	284.1	391.2	368.4	333.6	200.3	186.8	107.0	82.5	131.0	
29	285.2	300.0	355.2	286.3	409.2	417.7	367.2	201.2	161.6	113.0	83.2	141.2	
30	310.8	266.0	394.8	291.8	461.8	454.2	374.4	233.0	153.2	98.7		149.2	
31		253.0		300.0	484.6		368.4		149.2	75.5		150.8	
TOTAL	10134.8	10089.8	12827.5	9252.2	13103.8	12886.5	9803.1	8449.4	6197.2	3714.5	2627.6	3431.9	10251B.2 CMSDAY
MEAN	337.8	325.5	427.6	298.5	422.7	429.5	316.2	281.6	199.9	119.8	90.6	110.7	280.1 CMS
MAX	415.2	374.4	699.9	399.6	671.6	641.9	460.5	364.8	260.0	173.3	124.2	150.8	699.9 CMS
MIN	271.0	253.0	233.0	195.8	287.4	276.4	188.6	190.4	146.8	75.5	60.3	71.6	60.3 CMS
RUNOFF	875.65	871.76	1108.29	799.39	1132.17	1113.39	846.99	730.03	535.44	320.93	227.02	296.52	8857.57 MCM

MOMENTARY PEAK 709.60 CMS, AT 29.04 M (MSL), AT 24.00 HOURS, ON JUN 18, 1979

RUNOFF YIELD 9.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

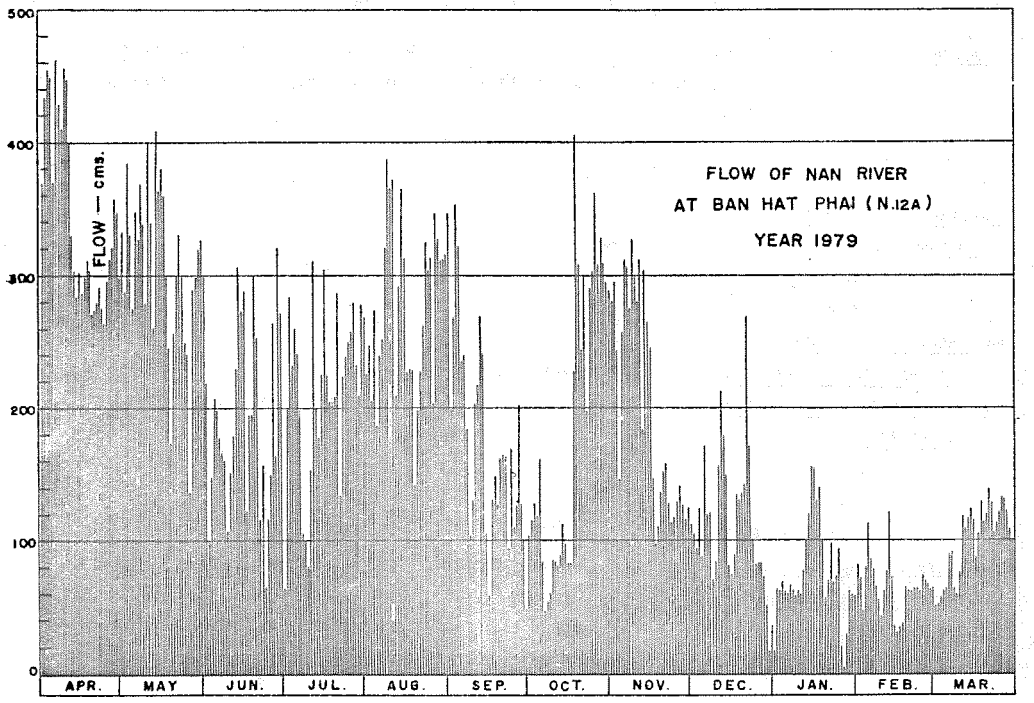
NAN RIVER AT BAN HAT PHAI, UTTARADIT (N.12A)

LOCATION	LAT. 17°-44'-10" N., LONG. 100°-32'-28" E., ON RIGHT BANK ABOUT 4 KILOMETERS DOWNSTREAM FROM SIRIKIT DAM SITE, ALONG PHASOM-SILOT ROAD AT BAN HAT PHAI, AMPHOE THA PHA, UTTARADIT.
DRAINAGE AREA	15,718 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+69.00 M. (M.S.L.)
BENCH MARK	B.M.-R.I.D.
LOCATION	ON RIGHT BANK INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	B.M.1=+84.00 M. (M.S.L.), B.M.2=+83.655 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 149 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	72.74	72.08	72.39	70.49	71.84	72.60	70.91	72.23	70.97	69.91	70.71	70.37	
2	73.12	72.51	71.67	71.59	71.99	71.65	71.04	72.19	70.93	70.50	70.60	70.39	
3	73.15	72.24	70.86	72.21	71.71	72.42	71.13	72.29	70.81	70.49	70.32	70.44	
4	73.22	72.83	71.56	71.88	72.16	72.65	71.04	71.27	71.09	70.55	70.81	70.50	
5	73.14	72.16	71.72	72.06	71.57	72.38	71.37	71.99	70.75	70.48	71.00	70.51	
6	72.70	72.15	71.64	71.90	71.98	71.92	70.69	72.37	71.46	70.47	70.77	70.78	
7	73.27	72.61	71.50	71.49	72.03	71.94	70.31	72.36	71.04	70.54	70.68	70.79	
8	73.09	72.48	71.40	70.89	72.56	71.44	70.41	72.15	71.05	70.48	70.53	70.46	
9	72.98	72.73	71.37	70.85	72.85	70.91	70.52	72.49	70.57	70.44	70.42	70.47	
10	73.24	72.18	70.93	70.68	72.72	71.50	70.73	72.32	70.74	70.49	70.26	70.71	
11	73.18	72.76	71.41	71.75	72.77	71.78	70.71	72.18	71.43	70.46	70.49	71.04	
12	72.59	72.92	71.52	72.38	71.73	71.81	70.68	72.39	71.75	70.88	70.67	70.94	
13	72.32	72.06	71.82	71.64	72.28	72.12	70.83	71.54	71.62	70.90	71.07	71.01	
14	72.21	72.84	72.35	71.50	72.72	71.75	70.98	72.34	71.27	71.21	70.52	71.09	
15	72.33	72.97	72.15	71.88	72.42	70.64	70.82	72.04	70.62	71.34	70.15	71.01	
16	72.23	72.70	72.24	72.33	71.85	70.45	70.70	71.94	70.63	71.34	70.07	70.75	
17	72.31	72.81	71.08	71.76	71.86	71.15	70.71	71.08	70.77	71.14	70.17	70.95	
18	72.39	72.59	71.63	71.69	71.86	71.29	71.89	70.85	71.18	71.22	70.21	71.15	
19	72.36	71.89	71.63	71.73	71.24	71.11	72.95	71.05	71.14	70.73	70.51	71.00	
20	72.13	71.47	72.32	71.73	71.74	71.39	72.32	71.29	71.20	70.43	70.48	71.06	
21	72.17	72.19	71.94	72.23	71.87	71.40	71.95	71.37	71.26	70.72	70.48	71.21	
22	72.20	72.39	71.02	71.18	72.11	71.40	72.31	71.30	72.12	70.84	70.51	71.09	
23	72.26	72.50	71.35	71.89	72.48	70.81	71.64	71.11	71.23	70.54	70.50	70.91	
24	72.08	72.23	70.52	71.94	72.34	71.44	72.25	71.00	70.83	70.62	70.49	71.03	
25	72.24	71.98	71.20	72.02	72.40	70.97	72.29	71.06	70.70	70.81	70.57	71.08	
26	72.32	71.93	71.39	72.06	71.69	71.16	72.69	71.17	70.70	69.83	70.54	71.16	
27	72.42	71.19	72.09	72.19	72.60	71.68	72.33	71.24	70.71	69.58	70.54	71.14	
28	72.46	72.25	71.41	71.91	72.45	71.02	72.44	71.07	70.52	70.27	70.50	71.04	
29	72.67	72.30	72.45	71.72	72.39	70.74	72.49	71.02	70.34	70.49	70.52	70.94	
30	72.59	72.42	72.06	72.18	72.40	70.33	72.30	71.10	69.92	70.45		70.89	
31		72.49		72.12	72.43		72.27		70.20	70.45		71.09	
MEAN	72.60	72.35	71.62	71.74	72.16	71.46	71.47	71.66	70.95	70.60	70.52	70.87	
MAX	73.27	72.97	72.45	72.38	72.85	72.65	72.95	72.49	72.12	71.34	71.07	71.21	73.27
MIN	72.08	71.19	70.52	70.49	71.24	70.33	70.31	70.85	69.92	69.58	70.07	70.37	69.58

ANNUAL MAX MOMENTARY GAGE HEIGHT 73.98 M (MSL), AT 17.00 HOURS, ON MAY 17, 1979
ZERO GAGE AT BOTTOM ELEVATION 69.00 M (MSL), RIVER BED 67.45 M (MSL)
LEFT BANK ELEVATION 84.98 M (MSL)
RIGHT BANK ELEVATION 83.73 M (MSL), DRAINAGE AREA 15718 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	368.4	262.8	312.4	63.1	226.0	346.0	104.6	286.8	111.5	18.7	84.0	52.3	
2	435.1	331.6	201.8	190.6	248.5	199.0	119.6	280.4	106.9	64.0	73.5	54.1	
3	440.5	288.4	99.3	283.6	207.4	317.2	129.9	296.4	94.1	63.1	47.8	58.6	
4	453.1	383.2	186.4	232.0	275.6	354.0	119.6	147.1	125.4	68.7	94.1	64.0	
5	438.7	275.6	208.8	259.6	187.8	310.8	160.1	248.5	88.0	62.2	115.0	64.9	
6	362.0	274.0	197.6	235.0	247.0	238.0	82.0	309.2	172.4	61.3	90.0	91.0	
7	462.1	347.6	178.0	176.6	254.8	241.0	46.9	307.6	119.6	67.8	81.1	92.0	
8	429.7	326.8	164.0	102.5	339.6	169.6	55.9	274.0	120.7	62.2	66.8	60.4	
9	409.9	366.8	160.1	98.2	386.7	104.6	65.9	328.4	70.6	58.6	56.8	61.3	
10	456.7	278.8	106.9	81.1	365.2	178.0	86.0	301.2	87.0	63.1	43.2	84.0	
11	445.9	371.6	165.4	213.0	373.2	217.2	84.0	278.8	168.2	60.4	63.1	119.6	
12	344.4	399.1	180.8	310.8	210.2	221.5	81.1	312.4	213.0	101.4	80.2	108.1	
13	301.2	259.6	223.0	197.6	294.8	269.2	96.1	183.6	194.8	103.5	123.0	116.1	
14	283.6	385.0	306.0	178.0	365.2	213.0	112.7	304.4	147.1	139.3	65.9	125.4	
15	302.8	408.1	274.0	232.0	317.2	77.3	95.1	256.4	75.4	156.2	35.5	116.1	
16	286.8	362.0	288.4	302.8	227.5	59.5	83.0	241.0	76.3	156.2	29.9	88.0	
17	299.6	379.8	124.2	214.4	229.0	132.2	84.0	124.2	90.0	131.1	36.9	109.3	
18	312.4	344.4	196.2	204.6	229.0	149.7	233.5	98.2	135.7	140.6	39.7	132.2	
19	307.6	233.5	196.2	210.2	143.2	127.6	404.5	120.7	131.1	86.0	64.9	115.0	
20	270.8	173.8	301.2	210.2	211.6	162.7	301.2	149.7	138.0	57.7	62.2	121.9	
21	277.2	280.4	241.0	286.8	230.5	164.0	242.5	160.1	145.8	85.0	62.2	139.3	
22	282.0	312.4	117.3	135.7	267.6	164.0	299.6	151.0	269.2	97.2	64.9	125.4	
23	291.6	330.0	157.5	233.5	326.8	94.1	197.6	127.6	141.9	67.8	64.0	104.6	
24	262.8	286.8	65.9	241.0	304.4	169.6	290.0	115.0	96.1	75.4	63.1	118.5	
25	288.4	247.0	138.0	253.2	314.0	111.5	296.4	121.9	83.0	94.1	70.6	124.2	
26	301.2	239.5	162.7	259.6	204.6	133.4	360.4	134.6	83.0	14.5	67.8	133.4	
27	317.2	136.8	264.4	280.4	346.0	203.2	302.8	143.2	84.0	4.4	67.8	131.1	
28	323.6	290.0	165.4	236.5	322.0	117.3	320.4	123.0	65.9	43.9	64.0	119.6	
29	357.2	298.0	322.0	208.8	312.4	87.0	328.4	117.3	49.6	63.1	65.9	108.1	
30	344.4	317.2	259.6	278.8	314.0	48.7	298.0	126.5	19.4	59.5		102.5	
31		328.4		269.2	318.8		293.2		39.0	59.5		125.4	
TOTAL	10456.9	9519.0	5964.5	6679.4	8600.6	5380.9	5775.0	6169.2	3542.7	2386.5	1943.9	3166.4	69584.9 CMSDAY
MEAN	348.6	307.1	198.8	215.5	277.4	179.4	186.3	205.6	114.3	77.0	67.0	102.1	190.1 CMS
MAX	462.1	408.1	322.0	310.8	386.7	354.0	404.5	328.4	269.2	156.2	123.0	139.3	462.1 CMS
MIN	262.8	136.8	65.9	63.1	143.2	48.7	46.9	98.2	19.4	4.4	29.9	52.3	4.4 CMS
RUNOFF	903.47	822.44	515.33	577.10	743.09	464.91	498.96	533.02	306.09	206.19	167.95	273.58	6012.13 MCM

MOMENTARY PEAK 596.00 CMS, AT 73.98 M (MSL), AT 17.00 HOURS, ON MAY 17, 1979

RUNOFF YIELD 12.10 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 37.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT CHUM SAENG, NAKHON SAWAN (N.14A)

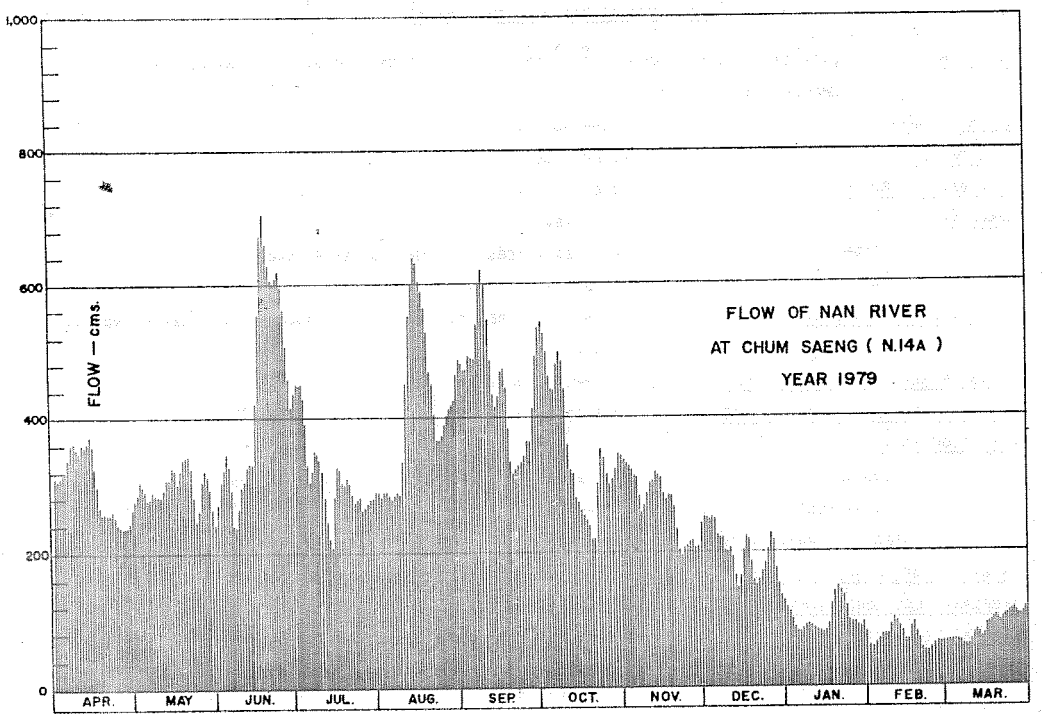
LOCATION — LAT. 15°53'56" N., LONG. 100°18'34" E., ON RIGHT BANK INFRONT OF WAT LUANG PHO KHAEO ABOUT 1 KILOMETER UPSTREAM FROM N.14, TAMBON PHIKUL, AMPHOE CHUM SAENG, NAKHON SAWAN.

DRAINAGE AREA	33,182 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+19.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+27.842 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1973-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	22.33	22.07	21.92	23.38	22.17	23.61	24.02	22.55	21.82	20.44	19.46	19.58	
2	22.31	22.16	22.26	23.37	22.10	23.52	23.94	22.53	21.82	20.30	19.32	19.59	
3	22.37	22.28	22.47	23.38	22.18	23.52	23.71	22.48	21.80	20.12	19.46	19.60	
4	22.39	22.23	22.62	23.02	22.18	23.66	23.47	22.41	21.82	19.94	19.55	19.61	
5	22.42	22.10	22.56	22.44	22.07	23.64	23.34	22.35	21.81	19.84	19.62	19.61	
6	22.50	22.05	22.21	22.28	22.07	23.64	23.32	22.33	21.63	19.82	19.76	19.56	
7	22.71	22.11	21.74	22.51	22.11	24.00	23.55	22.18	21.53	19.88	19.77	19.48	
8	22.74	22.16	21.69	22.65	22.15	24.40	23.71	21.88	21.53	19.98	19.73	19.43	
9	22.67	22.11	21.96	22.60	22.13	24.51	23.59	22.06	21.36	20.01	19.96	19.47	
10	22.65	22.10	22.19	22.51	22.52	24.41	23.21	22.15	21.34	19.97	20.16	19.59	
11	22.72	22.11	22.27	22.29	23.18	24.17	22.76	22.26	21.38	19.93	20.10	19.78	
12	22.72	22.20	22.46	21.92	23.77	23.75	22.41	22.28	21.21	19.91	20.01	19.84	
13	22.75	22.33	22.51	21.55	24.26	23.26	22.39	22.40	20.91	19.87	19.88	19.75	
14	22.81	22.31	22.51	21.41	24.62	23.14	22.11	22.36	20.74	19.84	19.73	19.65	
15	22.68	22.46	22.79	21.97	24.61	23.30	22.04	22.29	20.98	19.81	19.57	19.76	
16	22.37	22.42	23.27	22.46	24.42	23.51	21.94	22.15	21.39	19.89	19.61	19.98	
17	22.06	22.24	24.11	22.43	24.36	23.54	21.87	22.06	21.57	20.16	19.94	20.06	
18	21.88	22.43	24.81	22.29	24.23	23.31	21.81	22.13	21.48	20.41	20.03	20.13	
19	21.89	22.57	25.00	22.26	23.92	22.88	21.68	22.11	21.15	20.66	19.84	20.18	
20	21.87	22.58	24.78	22.33	23.58	22.44	21.54	21.96	20.85	20.77	19.57	20.13	
21	21.86	22.60	24.49	22.24	23.33	22.38	21.53	21.67	20.79	20.71	19.39	20.06	
22	21.91	22.44	24.38	22.09	23.07	22.47	22.17	21.34	20.89	20.67	19.30	20.15	
23	21.88	22.06	24.41	22.03	22.78	22.47	22.67	21.25	21.01	20.50	19.27	20.23	
24	21.76	21.76	24.51	22.07	22.77	22.54	22.62	21.36	21.14	20.22	19.37	20.25	
25	21.71	21.92	24.40	22.09	22.86	22.62	22.43	21.41	21.35	20.03	19.49	20.30	
26	21.71	22.28	24.13	21.93	23.00	22.75	22.39	21.48	21.58	20.08	19.53	20.34	
27	21.71	22.43	23.79	21.98	23.09	22.76	22.23	21.48	21.50	20.07	19.55	20.25	
28	21.70	22.36	23.33	22.05	23.14	23.08	22.30	21.39	21.16	19.96	19.55	20.20	
29	21.78	22.18	23.15	22.06	23.19	23.67	22.50	21.38	20.81	19.97	19.55	20.23	
30	21.97	21.99	23.30	22.10	23.40	23.92	22.62	21.58	20.63	20.04		20.33	
31		21.71		22.17	23.64		22.61		20.53	19.77		20.40	
MEAN	22.23	22.22	23.20	22.32	23.13	23.36	22.66	21.98	21.27	20.12	19.66	19.92	
MAX	22.81	22.60	25.00	23.38	24.62	24.51	24.02	22.55	21.82	20.77	20.16	20.40	25.00
MIN	21.70	21.71	21.69	21.41	22.07	22.38	21.53	21.25	20.53	19.77	19.27	19.43	19.27

ANNUAL MAX MOMENTARY GAGE HEIGHT 25.04 M (MSL), AT 8.00 HOURS, ON JUN 19, 1979
ZERO GAGE AT BOTTOM ELEVATION 19.00 M (MSL), RIVER BED 17.92 M (MSL)
LEFT BANK ELEVATION 27.64 M (MSL)
RIGHT BANK ELEVATION 28.01 M (MSL), DRAINAGE AREA 33182 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	309.1	278.1	261.2	449.2	289.9	483.0	545.1	336.3	250.2	121.5	61.0	67.4	
2	306.7	288.7	300.7	447.8	281.5	469.5	532.7	333.8	250.2	111.5	54.0	67.9	
3	313.9	303.1	326.2	449.2	291.1	469.5	498.0	327.5	248.0	99.8	61.0	68.5	
4	316.3	297.1	345.1	398.8	291.1	490.5	462.1	318.8	250.2	88.1	65.7	69.0	
5	320.0	281.5	337.5	322.5	278.1	487.5	443.6	311.5	249.1	81.9	69.6	69.0	
6	341.2	275.7	294.7	303.1	278.1	487.5	440.8	309.1	229.3	80.7	77.3	66.3	
7	356.9	282.7	241.4	331.2	282.7	542.0	474.0	291.1	219.0	84.3	77.8	62.0	
8	360.9	288.7	235.9	349.0	287.5	604.0	498.0	256.8	219.0	90.7	75.6	59.5	
9	351.6	282.7	265.6	342.5	285.1	621.6	480.0	276.9	202.2	92.6	89.4	61.5	
10	349.0	281.5	292.3	331.2	332.5	605.6	425.4	287.5	200.3	90.0	102.4	67.9	
11	358.2	282.7	301.9	304.3	421.2	568.3	363.6	300.7	204.1	87.4	98.5	78.4	
12	358.2	293.5	325.0	261.2	507.0	504.0	318.8	303.1	188.0	86.2	92.6	81.9	
13	362.3	309.1	331.2	221.0	582.3	432.4	316.3	317.5	160.9	83.7	84.3	76.8	
14	370.3	306.7	331.2	207.0	639.2	415.6	282.7	312.7	145.9	81.9	75.6	71.2	
15	352.9	325.0	367.6	266.7	637.6	438.0	274.6	304.3	167.2	80.1	66.8	77.3	
16	313.9	320.0	433.8	325.0	607.2	468.0	263.4	287.5	205.1	84.9	69.0	90.7	
17	276.0	298.3	559.0	321.2	597.8	472.5	255.7	276.9	223.0	102.4	88.1	95.9	
18	256.8	321.2	669.7	304.3	577.7	439.4	249.1	285.1	214.0	119.3	94.0	100.4	
19	257.9	338.8	702.0	300.7	529.6	379.8	234.8	282.7	182.5	139.1	81.9	103.7	
20	255.7	340.0	664.8	309.1	478.5	322.5	220.0	265.6	155.5	148.4	66.8	100.4	
21	254.6	342.5	618.4	298.3	442.2	315.1	219.0	233.7	150.1	143.3	57.5	95.9	
22	260.1	322.5	600.9	280.3	405.8	326.2	289.9	200.3	159.1	139.9	53.0	101.7	
23	256.8	276.9	605.6	273.4	366.3	326.2	351.6	191.8	169.9	126.0	51.6	107.0	
24	243.6	243.6	621.6	278.1	364.9	335.0	345.1	202.2	181.6	106.3	56.5	108.3	
25	238.1	261.2	604.0	280.3	377.1	345.1	321.2	207.0	201.3	94.0	62.5	111.5	
26	238.1	303.1	562.1	262.3	396.0	362.3	311.5	214.0	224.0	97.2	64.6	114.3	
27	238.1	321.2	510.0	267.8	408.6	363.6	297.1	214.0	216.0	96.6	65.7	108.3	
28	237.0	312.7	442.2	275.7	415.6	407.2	305.5	205.1	183.4	89.4	65.7	105.0	
29	245.8	291.1	417.0	276.9	422.6	492.0	330.0	204.1	151.9	90.0	65.7	107.0	
30	266.7	268.9	438.0	281.5	452.0	529.6	345.1	224.0	136.5	94.6		113.6	
31		238.1		289.9	487.5		343.8		128.4	77.8		118.5	
TOTAL	8967.6	9176.9	13006.6	9609.5	13014.3	13503.5	11038.5	8081.6	6065.9	3109.6	2094.2	2726.8	100394.9 CMSDAY
MEAN	298.9	296.0	433.6	310.0	419.8	450.1	356.1	269.4	195.7	100.3	72.2	88.0	274.3 CMS
MAX	370.3	342.5	702.0	449.2	639.2	621.6	545.1	336.3	250.2	148.4	102.4	118.5	702.0 CMS
MIN	237.0	238.1	235.9	207.0	278.1	315.1	219.0	191.8	128.4	77.8	51.6	59.5	51.6 CMS
RUNOFF	774.80	792.88	1123.77	830.26	1124.43	1166.70	953.73	698.25	524.09	268.67	180.94	235.60	8674.11 MCM

MOMENTARY PEAK 708.80 CMS, AT 25.04 M (MSL), AT 8.00 HOURS, ON JUN 19, 1979

RUNOFF YIELD 8.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 21.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT BAN MON, NAN (N.17)

LOCATION — LAT. 19°-24'-34" N., LONG. 100°-52'-05" E., ON LEFT BANK AT BAN MON, AMPHOE THUNG CHANG, NAN.

DRAINAGE AREA — 1,156 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 20 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +13.390 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1963 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1969-1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1969-1973

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 535 DISCHARGE MEASUREMENTS MADE DURING 1969-1971, 1973.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

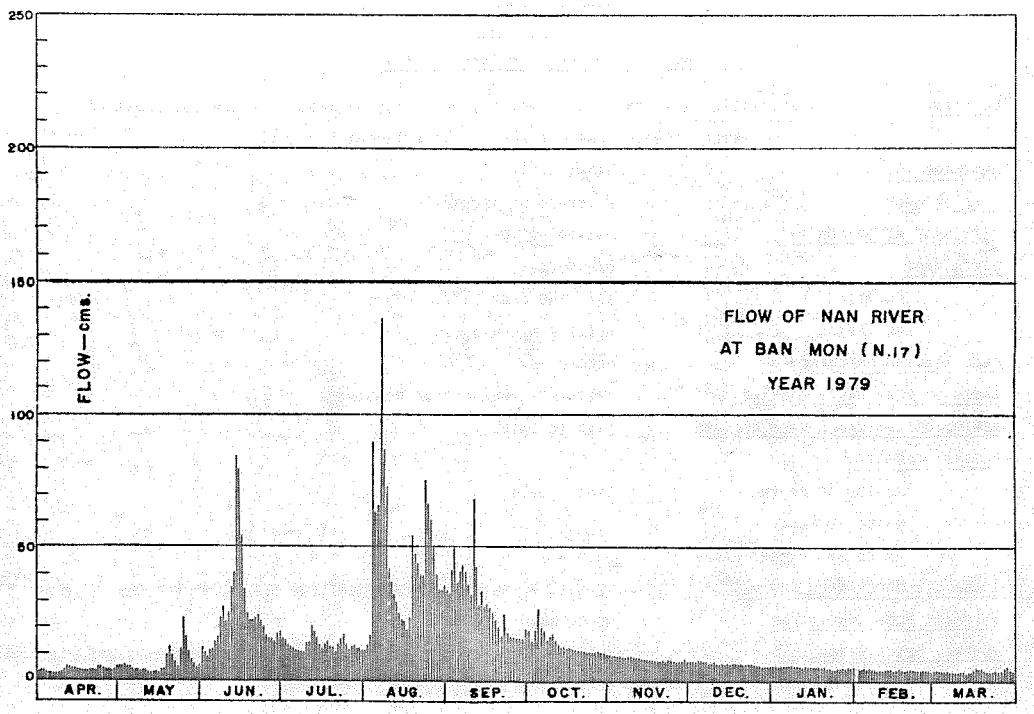
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.50	0.78	0.86	0.73	1.25	0.94	0.67	0.60	0.52	0.47	0.44	
2	0.43	0.51	0.69	0.81	0.81	1.28	0.85	0.67	0.59	0.53	0.47	0.44	
3	0.42	0.54	0.65	0.77	0.96	1.56	0.83	0.66	0.59	0.52	0.47	0.44	
4	0.41	0.50	0.73	0.75	2.09	1.50	1.00	0.66	0.58	0.52	0.47	0.44	
5	0.40	0.48	0.73	0.73	1.77	1.33	1.14	0.66	0.58	0.52	0.47	0.43	
6	0.40	0.45	0.88	0.72	1.80	1.47	0.98	0.64	0.57	0.52	0.47	0.43	
7	0.41	0.45	0.87	0.72	2.59	1.41	0.93	0.64	0.57	0.52	0.46	0.43	
8	0.41	0.44	1.09	0.71	2.08	1.41	0.88	0.64	0.56	0.52	0.46	0.42	
9	0.42	0.44	1.13	0.70	1.88	1.29	0.84	0.63	0.56	0.51	0.46	0.42	
10	0.42	0.45	1.02	0.83	1.46	1.22	0.92	0.63	0.56	0.51	0.46	0.42	
11	0.50	0.43	1.14	0.83	1.34	1.84	0.86	0.63	0.55	0.51	0.46	0.42	
12	0.46	0.42	1.36	1.01	1.24	1.18	0.82	0.63	0.55	0.51	0.46	0.41	
13	0.45	0.41	1.30	0.93	1.16	1.14	0.78	0.62	0.55	0.50	0.46	0.41	
14	0.45	0.40	2.03	0.84	1.09	1.26	0.78	0.61	0.55	0.50	0.45	0.41	
15	0.45	0.40	1.94	0.79	1.05	1.15	0.77	0.61	0.54	0.50	0.46	0.42	
16	0.45	0.39	1.63	0.74	0.99	1.17	0.76	0.61	0.55	0.50	0.46	0.48	
17	0.45	0.47	1.31	0.80	0.95	1.14	0.75	0.60	0.55	0.50	0.46	0.48	
18	0.45	0.50	1.09	0.83	1.10	1.07	0.74	0.60	0.55	0.50	0.46	0.45	
19	0.43	0.76	1.03	0.77	1.63	1.01	0.73	0.59	0.54	0.50	0.46	0.44	
20	0.44	0.77	1.04	0.74	1.52	0.98	0.73	0.59	0.54	0.50	0.45	0.43	
21	0.44	0.60	1.04	0.71	1.48	0.87	0.72	0.61	0.54	0.49	0.46	0.42	
22	0.48	0.53	1.08	0.84	1.38	1.10	0.72	0.61	0.54	0.49	0.46	0.41	
23	0.51	0.51	1.04	0.88	1.39	0.94	0.72	0.60	0.54	0.49	0.46	0.41	
24	0.49	0.78	0.96	0.83	1.92	0.91	0.71	0.61	0.54	0.49	0.45	0.42	
25	0.45	1.05	0.89	0.77	1.79	0.89	0.70	0.61	0.53	0.49	0.45	0.42	
26	0.46	0.83	0.86	0.73	1.71	0.87	0.70	0.61	0.53	0.49	0.45	0.43	
27	0.45	0.64	0.83	0.75	1.56	0.87	0.70	0.60	0.53	0.49	0.45	0.51	
28	0.45	0.57	0.83	0.77	1.41	0.88	0.70	0.60	0.53	0.48	0.45	0.51	
29	0.45	0.53	0.91	0.76	1.28	0.85	0.71	0.59	0.53	0.48	0.45	0.47	
30	0.48	0.50	0.94	0.73	1.29	0.94	0.71	0.59	0.52	0.48		0.45	
31		0.53		0.70	1.31		0.68		0.52	0.52		0.44	
MEAN	0.44	0.54	1.06	0.79	1.44	1.16	0.80	0.62	0.55	0.50	0.46	0.44	
MAX	0.51	1.05	2.03	1.01	2.59	1.84	1.14	0.67	0.60	0.53	0.47	0.51	2.59
MIN	0.40	0.39	0.65	0.70	0.73	0.85	0.68	0.59	0.52	0.48	0.45	0.41	0.39

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.94 M (A.D.), AT 9.00 HOURS, ON AUG 7, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.56 M (A.D.)

LEFT BANK ELEVATION — 13.72 M (A.D.)

RIGHT BANK ELEVATION — 10.15 M (A.D.), DRAINAGE AREA 1156 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.00	5.50	13.40	16.10	11.90	33.00	19.10	10.10	8.00	6.00	4.75	4.00	
2	3.75	5.75	10.70	14.35	14.35	34.50	15.75	10.10	7.75	6.25	4.75	4.00	
3	3.50	6.50	9.50	13.10	19.90	50.40	15.05	9.80	7.75	6.00	4.75	4.00	
4	3.25	5.50	11.90	12.50	90.15	46.50	21.50	9.80	7.50	6.00	4.75	4.00	
5	3.00	5.00	11.90	11.90	64.40	37.00	27.80	9.80	7.50	6.00	4.75	3.75	
6	3.00	4.25	16.80	11.60	66.50	44.70	20.70	9.20	7.25	6.00	4.75	3.75	
7	3.25	4.25	16.45	11.60	138.00	41.10	18.70	9.20	7.25	6.00	4.50	3.75	
8	3.25	4.00	25.55	11.30	89.30	41.10	16.80	9.20	7.00	6.00	4.50	3.50	
9	3.50	4.00	27.35	11.00	72.90	35.00	15.40	8.90	7.00	5.75	4.50	3.50	
10	3.50	4.25	22.40	15.05	44.10	31.50	18.30	8.90	7.00	5.75	4.50	3.50	
11	5.50	3.75	27.80	15.05	37.50	69.70	16.10	8.90	6.75	5.75	4.50	3.50	
12	4.50	3.50	38.50	21.95	32.50	29.60	14.70	8.90	6.75	5.75	4.50	3.25	
13	4.25	3.25	35.50	18.70	28.70	27.80	13.40	8.60	6.75	5.50	4.50	3.25	
14	4.25	3.00	85.05	15.40	25.55	33.50	13.40	8.30	6.75	5.50	4.25	3.25	
15	4.25	3.00	77.70	13.70	23.75	28.25	13.10	8.30	6.50	5.50	4.50	3.50	
16	4.25	2.90	54.95	12.20	21.10	29.15	12.80	8.30	6.75	5.50	4.50	5.00	
17	4.25	4.75	36.00	14.00	19.50	27.80	12.50	8.00	6.75	5.50	4.50	5.00	
18	4.25	5.50	25.55	15.05	26.00	24.65	12.20	8.00	6.75	5.50	4.50	4.25	
19	3.75	12.80	22.85	13.10	54.95	21.95	11.90	7.75	6.50	5.50	4.50	4.00	
20	4.00	13.10	23.30	12.20	47.80	20.70	11.90	7.75	6.50	5.50	4.25	3.75	
21	4.00	8.00	23.30	11.30	45.30	16.45	11.60	8.30	6.50	5.25	4.50	3.50	
22	5.00	6.25	25.10	15.40	39.50	26.00	11.60	8.30	6.50	5.25	4.50	3.25	
23	5.75	5.75	23.30	16.80	40.00	19.10	11.60	8.00	6.50	5.25	4.50	3.25	
24	5.25	13.40	19.90	15.05	76.10	17.90	11.30	8.30	6.50	5.25	4.25	3.50	
25	4.25	23.75	17.15	13.10	65.80	17.15	11.00	8.30	6.25	5.25	4.25	3.50	
26	4.50	15.05	16.10	11.90	60.20	16.45	11.00	8.30	6.25	5.25	4.25	3.75	
27	4.25	9.20	15.05	12.50	50.40	16.45	11.00	8.00	6.25	5.25	4.25	5.75	
28	4.25	7.25	15.05	13.10	41.10	16.80	11.00	8.00	6.25	5.00	4.25	5.75	
29	4.25	6.25	17.90	12.80	34.50	15.75	11.30	7.75	6.25	5.00	4.25	4.75	
30	5.00	5.50	19.10	11.90	35.00	19.10	11.30	7.75	6.00	5.00		4.25	
31		6.25		11.00	36.00		10.40		6.00	6.00		4.00	
TOTAL	123.75	211.20	785.10	424.70	1452.75	889.05	444.20	258.80	210.00	173.00	130.00	121.75	5224.30 CMSDAY
MEAN	4.13	6.81	26.17	13.70	46.86	29.63	14.33	8.63	6.77	5.58	4.48	3.93	14.27 CMS
MAX	5.75	23.75	85.05	21.95	138.00	69.70	27.80	10.10	8.00	6.25	4.75	5.75	138.00 CMS
MIN	3.00	2.90	9.50	11.00	11.90	15.75	10.40	7.75	6.00	5.00	4.25	3.25	2.90 CMS
RUNOFF	10.692	18.248	67.833	36.694	125.517	76.814	38.379	22.360	18.144	14.947	11.232	10.519	451.379 MCM

MOMENTARY PEAK 176.40 CMS, AT 2.94 M (A.D), AT 9.00 HOURS, ON AUG 7, 1979

RUNOFF YIELD 12.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 152.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

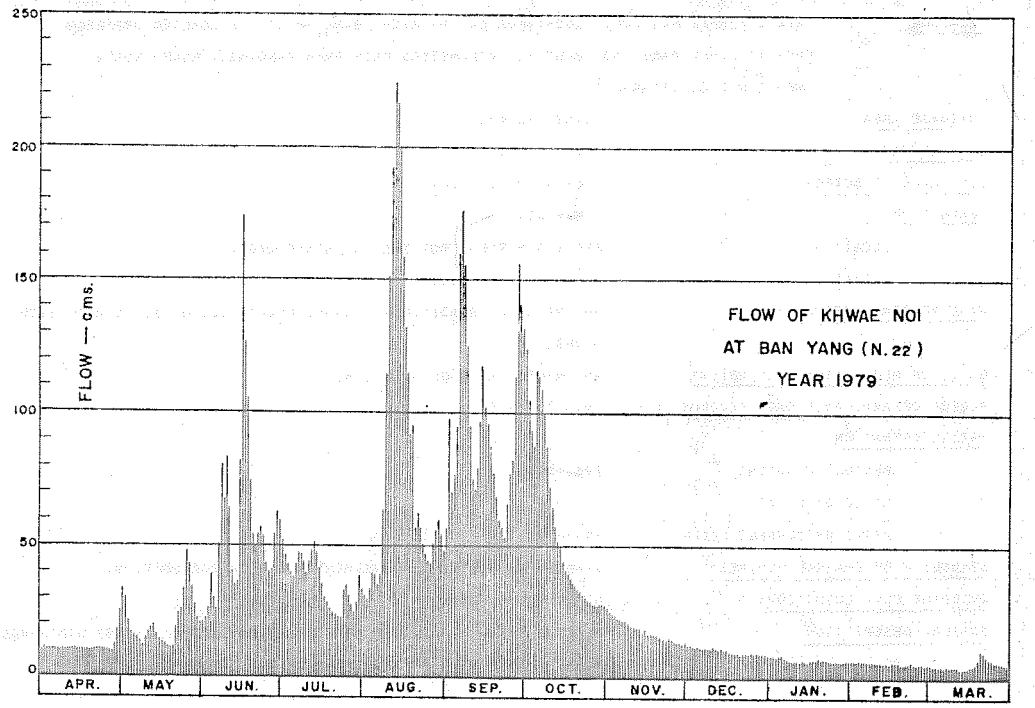
KHWAE NOI AT BAN YANG, PHITSANULOK (N.22)

LOCATION	LAT. 17°01'57" N., LONG. 100°22'23" E., ON LEFT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM DISTRICT FORESTRY OFFICE, AMPHOE WAT BOT, PHITSANULOK.
DRAINAGE AREA	4,841 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+43.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+51.143 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1963 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1963 - 1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1963 - 1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1,322 DISCHARGE MEASUREMENTS MADE DURING 1967-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	44.01	44.69	44.38	45.14	44.63	45.23	46.47	44.49	44.10	43.95	43.87	43.76	
2	44.00	44.63	44.43	45.00	44.60	45.99	46.36	44.46	44.10	43.94	43.87	43.75	
3	44.00	44.57	44.53	44.94	44.68	45.51	45.97	44.43	44.10	43.94	43.87	43.75	
4	44.00	44.36	44.82	44.85	44.85	45.66	45.82	44.42	44.09	43.94	43.88	43.75	
5	44.00	44.24	44.59	44.82	44.83	46.07	46.30	44.39	44.08	43.93	43.85	43.75	
6	44.00	44.19	44.51	44.93	44.73	47.11	46.28	44.37	44.08	43.88	43.84	43.75	
7	43.99	44.17	45.28	45.04	44.85	47.22	46.17	44.36	44.08	43.87	43.84	43.75	
8	43.99	44.13	45.70	45.02	45.62	46.89	46.05	44.35	44.07	43.87	43.83	43.74	
9	43.99	44.10	45.47	44.95	46.26	46.28	45.74	44.33	44.08	43.87	43.83	43.74	
10	43.99	44.13	45.76	44.85	46.63	45.83	45.53	44.32	44.08	43.87	43.83	43.74	
11	43.98	44.26	45.25	44.71	47.28	45.56	45.39	44.31	44.07	43.87	43.83	43.74	
12	44.04	44.28	44.86	44.80	47.69	45.52	45.23	44.30	44.07	43.87	43.83	43.74	
13	44.02	44.32	44.74	45.13	47.83	45.98	45.14	44.29	44.06	43.87	43.83	43.74	
14	44.01	44.24	45.04	45.01	47.69	46.33	45.06	44.27	44.06	43.87	43.83	43.74	
15	44.00	44.18	46.32	44.89	47.30	46.22	44.94	44.26	44.05	43.87	43.83	43.75	
16	43.99	44.14	47.20	44.73	46.69	46.04	44.88	44.23	44.04	43.87	43.83	43.76	
17	43.99	44.11	46.47	44.61	46.16	45.94	44.83	44.22	44.00	43.87	43.82	43.78	
18	44.00	44.07	45.89	44.53	45.89	45.77	44.77	44.22	44.00	43.88	43.82	43.81	
19	44.01	44.06	45.48	44.48	45.94	45.59	44.73	44.21	43.99	43.88	43.82	44.04	
20	44.01	44.05	45.17	44.45	45.25	45.45	44.71	44.20	43.99	43.88	43.83	44.03	
21	44.01	44.10	45.10	44.43	45.37	45.30	44.69	44.18	43.99	43.88	43.83	43.97	
22	44.01	44.39	45.22	44.41	45.24	45.24	44.65	44.18	43.99	43.88	43.82	43.91	
23	44.01	44.50	45.24	44.53	45.12	45.16	44.62	44.17	43.98	43.88	43.81	43.86	
24	43.99	44.51	45.16	44.67	45.05	45.50	44.58	44.17	43.97	43.87	43.80	43.83	
25	44.00	44.81	44.93	44.76	44.98	45.70	44.56	44.15	43.97	43.87	43.79	43.82	
26	43.99	45.06	44.86	44.64	44.93	45.73	44.54	44.14	43.97	43.87	43.79	43.80	
27	43.99	44.88	44.90	44.54	45.13	46.64	44.53	44.13	43.97	43.87	43.78	43.79	
28	44.06	44.64	45.33	44.45	45.24	46.93	44.56	44.13	43.97	43.87	43.78	43.80	
29	44.20	44.46	45.37	44.60	45.31	46.70	44.55	44.11	43.97	43.87	43.78	43.80	
30	44.34	44.36	45.30	44.80	45.18	46.58	44.55	44.10	43.97	43.87		43.78	
31		44.34		44.72	45.05		44.52		43.97	43.87		43.78	
MEAN	44.02	44.35	45.24	44.76	45.68	45.99	45.18	44.26	44.03	43.88	43.83	43.80	
MAX	44.34	45.06	47.20	45.14	47.83	47.22	46.47	44.49	44.10	43.95	43.88	44.04	47.83
MIN	43.98	44.05	44.38	44.41	44.60	45.16	44.52	44.10	43.97	43.87	43.78	43.74	43.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 47.87 M (MSL), AT 12.00 HOURS, ON AUG 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 43.00 M (MSL), RIVER BED 43.42 M (MSL)
LEFT BANK ELEVATION 52.15 M (MSL)
RIGHT BANK ELEVATION 51.00 M (MSL), DRAINAGE AREA 4841 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.25	33.60	21.80	52.00	31.20	56.50	126.20	29.65	12.50	8.75	6.90	4.70	
2	10.00	31.20	23.55	46.00	30.00	97.40	119.60	24.60	12.50	8.50	6.90	4.50	
3	10.00	28.80	27.20	43.60	33.20	70.50	96.20	23.55	12.50	8.50	6.90	4.50	
4	10.00	21.10	38.80	40.00	40.00	78.30	87.20	23.20	12.25	8.50	7.10	4.50	
5	10.00	16.90	29.60	38.80	39.20	102.20	116.00	22.15	12.00	8.25	6.50	4.50	
6	10.00	15.20	26.40	43.20	35.20	167.70	114.80	21.45	12.00	7.10	6.30	4.50	
7	9.75	14.60	59.00	47.60	40.00	175.40	108.20	21.10	12.00	6.90	6.30	4.50	
8	9.75	13.40	80.50	46.80	76.10	152.85	101.00	20.75	11.75	6.90	6.10	4.30	
9	9.75	12.50	68.50	44.00	113.60	114.80	82.70	20.05	12.00	6.90	6.10	4.30	
10	9.75	13.40	83.80	40.00	135.95	87.80	71.50	19.70	12.00	6.90	6.10	4.30	
11	9.50	17.60	57.50	34.40	179.60	73.00	64.50	19.35	11.75	6.90	6.10	4.30	
12	11.00	18.30	40.40	38.00	212.20	71.00	56.50	19.00	11.75	6.90	6.10	4.30	
13	10.50	19.70	35.60	51.50	223.40	96.80	52.00	18.65	11.50	6.90	6.10	4.30	
14	10.25	16.90	47.60	46.40	212.20	117.80	48.40	17.95	11.50	6.90	6.10	4.30	
15	10.00	14.90	117.20	41.60	181.00	111.20	43.60	17.60	11.25	6.90	6.10	4.50	
16	9.75	13.70	174.00	35.20	139.85	100.40	41.20	16.55	11.00	6.90	6.10	4.70	
17	9.75	12.80	126.20	30.40	107.60	94.40	39.20	16.20	10.00	6.90	5.90	5.10	
18	10.00	11.75	91.40	27.20	91.40	84.35	36.80	16.20	10.00	7.10	5.90	5.70	
19	10.25	11.50	69.00	25.30	94.40	74.50	35.20	15.85	9.75	7.10	5.90	11.00	
20	10.25	11.25	53.80	24.25	57.50	67.50	34.40	15.50	9.75	7.10	6.10	10.75	
21	10.25	12.50	50.00	23.55	63.50	60.00	33.60	14.90	9.75	7.10	6.10	9.25	
22	10.25	22.15	56.00	22.85	57.00	57.00	32.00	14.90	9.75	7.10	5.90	7.75	
23	10.25	26.00	57.00	27.20	51.00	53.00	30.80	14.60	9.50	7.10	5.70	6.70	
24	9.75	26.40	53.00	32.80	48.00	70.00	29.20	14.60	9.25	6.90	5.50	6.10	
25	10.00	38.40	43.20	36.40	45.20	80.50	28.40	14.00	9.25	6.90	5.30	5.90	
26	9.75	48.40	40.40	31.60	43.20	82.15	27.60	13.70	9.25	6.90	5.30	5.50	
27	9.75	41.20	42.00	27.60	51.50	136.60	27.20	13.40	9.25	6.90	5.10	5.30	
28	11.50	31.60	61.50	24.25	57.00	155.45	28.40	13.40	9.25	6.90	5.10	5.50	
29	15.50	24.60	63.50	30.00	60.50	140.50	28.00	12.80	9.25	6.90	5.10	5.50	
30	20.40	21.10	60.00	38.00	54.00	132.80	28.00	12.50	9.25	6.90		5.10	
31		20.40		34.80	49.00		26.80		9.25	6.90		5.10	
TOTAL	317.90	661.85	1798.15	1125.30	2652.50	2962.40	1795.20	533.85	332.75	223.30	174.70	171.25	12749.13 CMSDAY
MEAN	10.60	21.35	59.94	36.30	85.56	98.75	57.91	17.79	10.73	7.20	6.02	5.52	34.83 CMS
MAX	20.40	48.40	174.00	52.00	223.40	175.40	126.20	25.65	12.50	8.75	7.10	11.00	223.40 CMS
MIN	9.50	11.25	21.80	22.85	30.00	53.00	26.80	12.50	9.25	6.90	5.10	4.30	4.30 CMS
RUNOFF	27.467	57.184	155.360	97.226	229.176	255.951	155.105	46.125	28.750	19.293	15.094	14.796	1101.525 MCM

MOMENTARY PEAK 226.60 CMS, AT 47.87 M (MSL), AT 12.00 HOURS, ON AUG 13, 1979

RUNOFF YIELD 7.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 46.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT BAN PHRA FANG, UTTARADIT (N.23)

LOCATION	LAT. 17°-38'-16" N., LONG. 100°-14'-02" E., ON RIGHT BANK ABOUT 1 KILOMETER UPSTREAM FROM WAT PHRA FANG AND ABOUT 1.5 KILOMETERS FROM PHRA FANG-NGUI NGARM ROAD, AMPHOE MUANG, UTTARADIT.
DRAINAGE AREA	16,336 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+56.452 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 9 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+69.923 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	1963 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1964-1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1964-1973
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 799 DISCHARGE MEASUREMENTS MADE DURING 1964-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

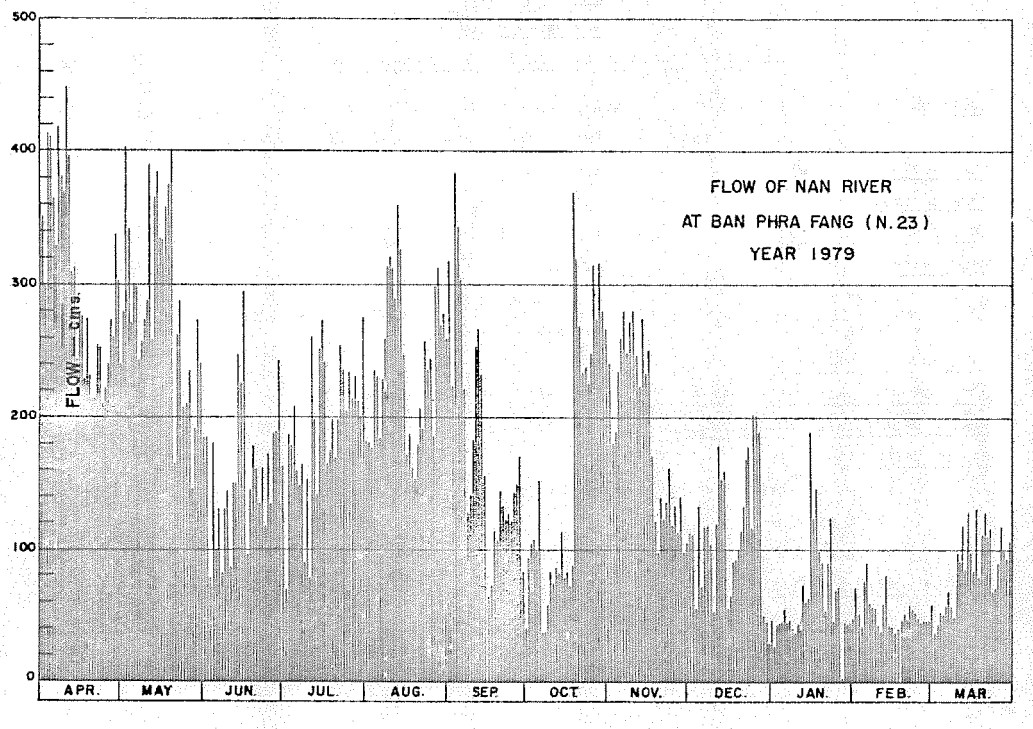
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	59.67	59.04	58.70	58.09	58.68	59.49	57.48	59.03	58.17	57.56	57.60	57.69	
2	59.39	59.37	58.70	57.79	58.67	58.93	58.01	58.86	58.16	57.32	57.82	57.62	
3	59.99	59.93	58.23	58.72	58.65	59.22	58.10	58.67	57.66	57.50	57.61	57.44	
4	59.97	59.66	57.88	58.66	59.02	59.84	58.13	58.83	58.08	57.53	57.51	57.62	
5	59.89	59.23	58.68	58.85	58.99	59.61	58.06	59.14	58.34	57.53	57.85	57.61	
6	59.55	59.39	58.05	58.55	58.70	59.23	58.50	59.28	57.82	57.65	57.98	57.68	
7	60.01	59.38	58.32	58.45	58.85	58.94	57.43	59.22	58.21	57.52	57.71	57.79	
8	59.85	59.06	57.90	58.58	59.10	58.55	57.47	59.10	58.21	57.57	57.67	57.73	
9	59.77	59.11	58.26	57.98	59.47	58.30	57.69	59.23	58.10	57.51	57.67	57.60	
10	60.16	59.21	58.43	58.50	59.51	58.41	57.92	59.28	57.62	57.45	57.57	57.58	
11	60.07	59.31	57.94	57.86	59.46	58.74	57.85	59.17	57.92	57.53	57.44	58.05	
12	59.44	59.87	58.48	59.16	59.33	59.13	57.96	58.95	58.67	57.47	57.65	57.99	
13	59.45	59.15	58.46	58.68	59.72	59.20	57.91	59.25	58.51	57.85	57.75	58.22	
14	59.06	59.75	59.09	58.43	59.48	58.94	58.18	59.00	58.54	57.70	57.91	57.94	
15	59.27	59.84	58.96	59.11	59.29	58.52	57.89	59.04	57.94	57.74	57.52	58.30	
16	59.24	59.58	59.36	59.24	58.62	57.92	57.91	59.11	57.66	58.74	57.51	58.05	
17	58.97	59.58	58.49	58.89	58.72	57.74	57.84	58.55	57.77	58.27	57.46	57.93	
18	59.24	59.67	58.02	58.58	58.63	57.85	57.93	58.29	57.98	58.44	57.49	58.32	
19	59.08	59.75	58.52	58.63	58.53	58.18	59.77	58.03	58.00	58.06	57.54	57.89	
20	58.89	59.92	58.66	58.79	58.49	58.12	59.37	58.39	58.10	57.99	57.62	58.13	
21	58.86	58.57	58.47	58.61	58.84	58.43	59.14	58.26	58.22	57.62	57.56	58.29	
22	59.13	59.09	58.34	58.97	58.74	58.35	59.00	58.35	58.61	57.77	57.70	58.15	
23	59.12	59.32	58.55	59.13	59.15	58.26	59.03	58.56	58.67	58.27	57.66	58.19	
24	58.85	59.13	58.20	59.02	59.01	58.29	58.96	58.22	58.20	57.53	57.63	57.77	
25	58.93	58.85	58.61	58.83	59.06	58.24	59.09	58.33	58.81	57.77	57.59	57.83	
26	59.04	58.86	58.34	59.02	58.70	58.42	59.48	58.17	58.81	57.82	57.53	58.02	
27	59.24	59.01	58.72	58.89	59.38	58.47	59.23	58.39	58.73	57.04	57.56	58.21	
28	59.16	58.44	58.73	58.99	59.46	58.62	59.49	58.34	57.89	56.91	57.56	58.09	
29	59.60	58.93	59.06	58.93	59.22	57.97	59.34	58.04	57.59	57.54	57.56	58.00	
30	59.50	59.24	58.84	58.80	59.27	57.87	59.25	58.08	57.54	57.52		58.11	
31		59.04		59.25	59.15		59.19		57.31	57.56		57.64	
MEAN	59.41	59.30	58.50	58.71	59.03	58.59	58.47	58.71	58.12	57.69	57.63	57.92	
MAX	60.16	59.93	59.36	59.25	59.72	59.84	59.77	59.28	58.81	58.74	57.98	58.32	60.16
MIN	58.85	58.44	57.88	57.79	58.49	57.74	57.43	58.03	57.31	56.91	57.44	57.44	56.91

ANNUAL MAX MOMENTARY GAGE HEIGHT 60.40 M (MSL), AT 6.00 HOURS, ON APR 10, 1979

ZERO GAGE AT BOTTOM ELEVATION 56.45 M (MSL), RIVER BED 55.33 M (MSL)

LEFT BANK ELEVATION 69.83 M (MSL)

RIGHT BANK ELEVATION 69.23 M (MSL), DRAINAGE AREA 16336 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	350.60	239.80	185.00	103.80	181.80	318.20	40.20	238.10	113.40	47.40	51.00	59.10	
2	300.20	296.60	185.00	69.00	180.20	221.80	94.20	210.60	112.20	27.40	72.20	52.80	
3	414.00	402.00	120.60	188.20	177.00	270.40	105.00	180.20	56.40	42.00	51.90	36.60	
4	410.00	348.80	78.80	178.60	236.40	384.00	108.60	205.80	102.60	44.70	42.90	52.80	
5	394.00	272.10	181.80	209.00	231.40	339.80	100.20	256.80	133.80	44.70	75.50	51.90	
6	329.00	300.20	99.00	161.50	185.00	272.10	154.00	280.60	72.20	55.50	90.60	58.20	
7	418.00	298.40	131.40	147.50	209.00	223.40	35.70	270.40	118.20	43.80	61.00	69.00	
8	396.00	243.20	81.00	166.00	250.00	161.50	39.30	250.00	118.20	48.30	57.30	63.00	
9	370.00	251.70	124.20	90.60	314.60	129.00	59.10	272.10	105.00	42.90	57.30	51.00	
10	448.00	268.70	144.90	154.00	321.80	142.30	83.40	280.60	52.80	37.50	48.30	49.20	
11	430.00	285.80	85.80	76.60	312.80	191.40	75.50	261.90	83.40	44.70	36.60	99.00	
12	309.20	390.00	151.40	260.20	289.40	255.10	88.20	225.00	180.20	39.30	55.50	91.80	
13	311.00	258.50	148.80	181.80	360.00	267.00	82.20	275.50	155.50	75.50	65.00	119.40	
14	243.20	366.00	248.00	144.90	316.40	223.40	114.60	233.00	160.00	60.00	82.20	85.80	
15	278.90	384.00	226.60	251.70	282.30	157.00	79.90	239.80	85.80	64.00	43.80	129.00	
16	273.80	334.40	294.80	273.80	172.20	83.40	82.20	251.70	56.40	191.40	42.90	99.00	
17	228.20	334.40	152.70	215.40	188.20	64.00	74.40	161.50	67.00	125.40	38.40	84.60	
18	273.80	350.60	95.40	166.00	173.80	75.50	84.60	127.80	90.60	146.20	41.10	131.40	
19	246.60	366.00	157.00	173.80	158.50	114.60	370.00	96.60	93.00	100.20	45.60	79.90	
20	215.40	400.00	178.60	199.40	152.70	107.40	296.60	139.80	105.00	91.80	52.80	108.60	
21	210.60	164.50	150.10	170.60	207.40	144.90	256.80	124.20	119.40	52.80	47.40	127.80	
22	255.10	248.30	133.80	228.20	191.40	135.00	233.00	135.00	170.60	67.00	60.00	111.00	
23	253.40	287.60	161.50	255.10	258.50	124.20	238.10	163.00	180.20	125.40	56.40	115.80	
24	209.00	255.10	117.00	236.40	234.70	127.80	226.60	119.40	117.00	44.70	53.70	67.00	
25	221.80	209.00	170.60	205.80	243.20	121.80	248.30	132.60	202.60	67.00	50.10	73.30	
26	239.80	210.60	133.80	236.40	185.00	143.60	316.40	113.40	202.60	72.20	44.70	95.40	
27	273.80	234.70	188.20	215.40	298.40	150.10	272.10	139.80	189.80	10.00	47.40	118.20	
28	260.20	146.20	189.80	231.40	312.80	172.20	318.20	133.80	79.90	4.40	47.40	103.80	
29	338.00	221.80	243.20	221.80	270.40	89.40	291.20	97.80	50.10	45.60	47.40	93.00	
30	320.00	273.80	207.40	201.00	278.90	77.70	275.50	102.60	45.60	43.80		106.20	
31		239.80		275.50	258.50		265.30		26.70	47.40		54.60	
TOTAL	9211.59	8882.59	4766.50	5889.40	7432.69	5287.99	5109.40	5719.39	3446.20	1953.00	1566.40	2638.20	61903.32 CMSDAY
MEAN	307.05	286.54	158.88	189.98	239.76	176.27	164.82	190.65	111.17	63.00	54.01	85.10	169.13 CMS
MAX	448.00	402.00	294.80	275.50	360.00	384.00	370.00	280.60	202.60	191.40	90.60	131.40	448.00 CMS
MIN	209.00	146.20	78.80	69.00	152.70	64.00	35.70	96.60	26.70	4.40	36.60	36.60	4.40 CMS
RUNOFF	795.881	767.456	411.825	508.844	642.185	456.883	441.452	494.156	297.751	168.739	135.337	227.940	5348.446 MCM

MOMENTARY PEAK 496.00 CMS, AT 60.40 M (MSL), AT 6.00 HOURS, ON APR 10, 1979

RUNOFF YIELD 10.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

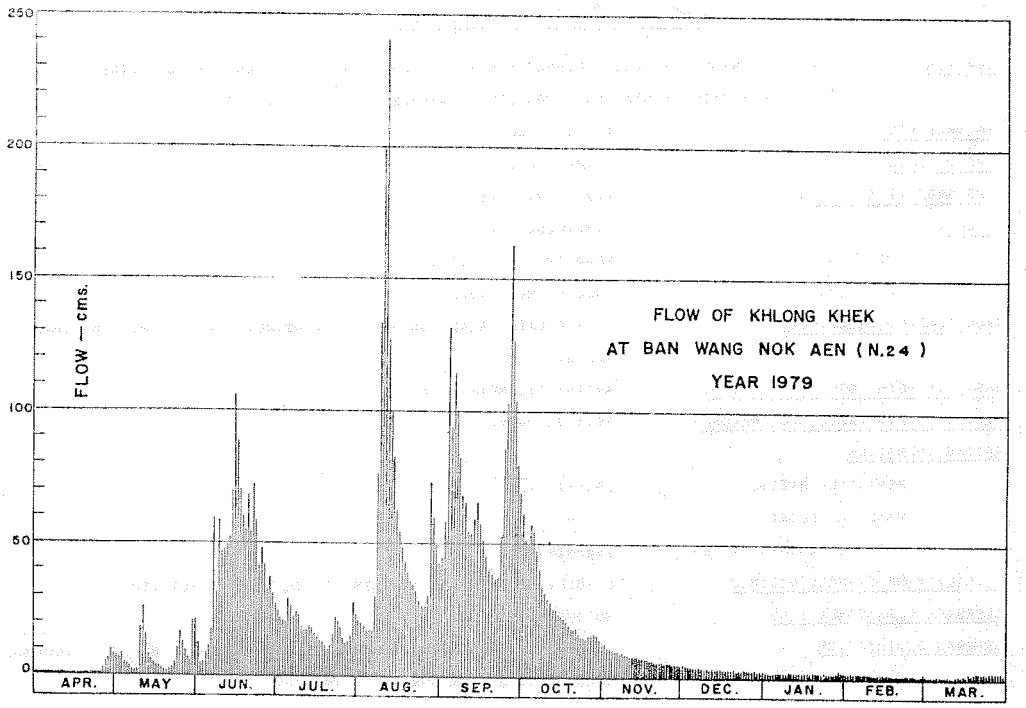
KHLONG KHEK AT BAN WANG NOK AEN, PHITSANULOK (N.24)

LOCATION	LAT. 16°-50'-35" N., LONG. 100°-31'-20" E., ON RIGHT BANK ABOUT 2 KILOMETERS DOWNSTREAM FROM SAKUNOTHAYAN FALL, AMPHOE WANG THONG, PHITSANULOK.
DRAINAGE AREA	1,861 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+12.845 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 1,421 DISCHARGE MEASUREMENTS MADE DURING 1966-1974.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	1.20	1.45	2.18	1.94	2.96	3.68	1.53	1.02	0.80	0.68	0.62	
2	0.56	1.19	1.05	2.04	1.94	3.41	3.36	1.49	1.01	0.80	0.68	0.61	
3	0.57	1.29	1.13	2.01	1.79	4.32	3.11	1.45	1.00	0.79	0.67	0.60	
4	0.57	1.08	1.44	2.00	1.86	5.50	3.08	1.43	0.98	0.79	0.66	0.60	
5	0.56	0.93	1.53	2.33	1.86	4.45	3.36	1.40	0.98	0.79	0.68	0.60	
6	0.56	0.84	1.91	2.22	1.87	4.99	3.16	1.37	0.97	0.78	0.68	0.60	
7	0.55	0.77	3.40	2.06	2.54	4.42	2.90	1.36	0.96	0.78	0.67	0.61	
8	0.55	0.75	2.41	2.12	4.05	3.95	2.67	1.34	0.95	0.77	0.67	0.61	
9	0.54	0.87	3.38	2.11	5.42	3.66	2.52	1.32	0.94	0.76	0.66	0.60	
10	0.54	1.80	2.98	1.92	7.28	3.51	2.41	1.31	0.93	0.76	0.65	0.60	
11	0.53	2.20	3.00	1.81	7.79	3.25	2.33	1.29	0.92	0.75	0.65	0.60	
12	0.53	1.58	3.12	1.83	5.83	3.25	2.23	1.28	0.91	0.75	0.64	0.59	
13	0.53	1.29	3.21	1.90	4.59	3.40	2.17	1.26	0.90	0.74	0.63	0.59	
14	0.54	1.13	4.05	1.83	3.83	3.59	2.12	1.24	0.90	0.74	0.62	0.58	
15	0.55	1.02	4.80	1.76	3.43	3.47	2.07	1.23	0.89	0.74	0.62	0.58	
16	0.55	0.94	4.28	1.68	3.23	3.28	2.03	1.20	0.89	0.73	0.64	0.62	
17	0.56	0.87	3.63	1.58	3.06	3.15	1.98	1.19	0.88	0.73	0.63	0.68	
18	0.57	0.82	3.44	1.57	2.84	2.88	1.93	1.17	0.88	0.73	0.62	0.67	
19	0.57	0.79	3.28	1.51	2.67	2.74	1.86	1.16	0.87	0.73	0.62	0.84	
20	0.58	0.78	3.69	1.45	2.58	2.67	1.83	1.14	0.87	0.73	0.62	0.86	
21	0.59	0.82	3.31	1.57	2.55	2.64	1.79	1.13	0.86	0.72	0.63	0.80	
22	0.60	0.95	3.81	1.77	2.46	2.70	1.75	1.12	0.86	0.72	0.62	0.74	
23	0.60	1.24	3.31	2.07	2.34	2.88	1.72	1.12	0.86	0.72	0.63	0.69	
24	0.61	1.56	2.78	1.93	2.24	4.24	1.68	1.10	0.85	0.72	0.64	0.74	
25	0.65	1.82	3.01	1.84	2.26	4.25	1.65	1.09	0.85	0.72	0.64	0.82	
26	0.91	1.55	2.82	1.63	2.24	4.91	1.71	1.08	0.84	0.71	0.63	0.76	
27	1.14	1.33	2.46	1.55	2.63	6.27	1.75	1.06	0.83	0.70	0.62	0.73	
28	1.24	1.18	2.60	1.63	3.84	5.35	1.77	1.05	0.81	0.70	0.61	0.69	
29	1.45	1.07	2.46	1.91	3.42	4.65	1.71	1.04	0.81	0.69	0.63	0.67	
30	1.28	1.99	2.26	2.28	3.00	3.95	1.64	1.03	0.81	0.68		0.66	
31		1.99		2.06	2.84		1.57		0.80	0.68		0.64	
MEAN	0.67	1.21	2.87	1.88	3.23	3.82	2.24	1.23	0.90	0.74	0.64	0.66	
MAX	1.45	2.20	4.80	2.33	7.79	6.27	3.68	1.53	1.02	0.80	0.68	0.86	7.79
MIN	0.53	0.75	1.05	1.45	1.79	2.64	1.57	1.03	0.80	0.68	0.61	0.58	0.53

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.72 M (A.D), AT 2.00 HOURS, ON AUG 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.25 M (A.D)
LEFT BANK ELEVATION 13.60 M (A.D)
RIGHT BANK ELEVATION 15.59 M (A.D), DRAINAGE AREA 1861 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	6.40	10.25	25.12	19.80	45.72	67.96	11.67	4.04	2.00	1.20	0.90	
2	0.64	6.26	4.40	21.88	19.80	59.32	57.72	10.93	3.92	2.00	1.20	0.85	
3	0.68	7.66	5.42	21.22	16.80	89.26	50.10	10.25	3.80	1.93	1.15	0.80	
4	0.68	4.76	10.08	21.00	18.20	132.50	49.20	9.91	3.60	1.93	1.10	0.80	
5	0.64	3.10	11.67	28.88	18.20	93.75	57.72	9.40	3.60	1.93	1.20	0.80	
6	0.64	2.32	19.20	26.10	18.40	113.63	51.60	8.92	3.50	1.86	1.20	0.80	
7	0.60	1.79	59.00	22.32	34.38	92.70	44.10	8.76	3.40	1.86	1.15	0.85	
8	0.60	1.65	30.96	23.68	80.10	76.70	37.89	8.44	3.30	1.79	1.15	0.85	
9	0.56	2.56	58.36	23.44	129.54	67.32	33.84	8.12	3.20	1.72	1.10	0.80	
10	0.56	17.00	46.26	19.40	209.40	62.52	30.96	7.96	3.10	1.72	1.05	0.80	
11	0.52	25.60	46.80	17.20	241.35	54.30	28.88	7.66	3.00	1.65	1.05	0.80	
12	0.52	12.62	50.40	17.60	144.71	54.30	26.35	7.52	2.90	1.65	1.00	0.76	
13	0.52	7.66	53.10	19.00	98.83	59.00	24.88	7.24	2.80	1.58	0.95	0.76	
14	0.56	5.42	80.10	17.60	72.76	65.08	23.68	6.96	2.80	1.58	0.90	0.72	
15	0.60	4.04	106.60	16.20	59.96	61.24	22.54	6.82	2.72	1.58	0.90	0.72	
16	0.60	3.20	87.92	14.60	53.70	55.20	21.66	6.40	2.72	1.51	1.00	0.90	
17	0.64	2.56	66.36	12.62	48.60	51.30	20.60	6.26	2.64	1.51	0.95	1.20	
18	0.68	2.16	60.28	12.43	42.48	43.56	19.60	5.98	2.64	1.51	0.90	1.15	
19	0.68	1.93	55.20	11.29	37.89	39.78	18.20	5.84	2.56	1.51	0.90	2.32	
20	0.72	1.86	68.28	10.25	35.46	37.89	17.60	5.56	2.56	1.51	0.90	2.48	
21	0.76	2.16	56.12	12.43	34.65	37.08	16.80	5.42	2.48	1.44	0.95	2.00	
22	0.80	3.30	72.12	16.40	32.26	38.70	16.00	5.28	2.48	1.44	0.90	1.58	
23	0.80	6.96	56.12	22.54	29.14	43.56	15.40	5.28	2.48	1.44	0.95	1.25	
24	0.85	12.24	40.86	19.60	26.60	86.56	14.60	5.00	2.40	1.44	1.00	1.58	
25	1.05	17.40	47.10	17.80	27.10	86.90	14.00	4.88	2.40	1.44	1.00	2.16	
26	2.90	12.05	41.94	13.60	26.60	110.67	15.20	4.76	2.32	1.37	0.95	1.72	
27	5.56	8.28	32.26	12.05	36.81	161.80	16.00	4.52	2.24	1.30	0.90	1.51	
28	6.96	6.12	36.00	13.60	73.08	126.95	16.40	4.40	2.08	1.30	0.85	1.25	
29	10.25	4.64	32.26	19.20	59.64	101.05	15.20	4.28	2.08	1.25	0.95	1.15	
30	7.52	20.80	27.10	27.60	46.80	76.70	13.80	4.16	2.08	1.20		1.10	
31		20.80		22.32	42.48		12.43		2.00	1.20		1.00	
TOTAL	49.73	235.30	1372.52	578.97	1835.52	2225.06	870.91	208.58	87.84	49.15	29.40	36.36	7579.33 CMSDAY
MEAN	1.66	7.59	45.75	18.68	59.21	74.17	28.09	6.95	2.83	1.59	1.01	1.17	20.71 CMS
MAX	10.25	25.60	106.60	28.88	241.35	161.80	67.96	11.67	4.04	2.00	1.20	2.48	241.35 CMS
MIN	0.52	1.65	4.40	10.25	16.80	37.08	12.43	4.16	2.00	1.20	0.85	0.72	0.52 CMS
RUNOFF	4.297	20.330	118.586	50.023	158.589	192.245	75.246	18.021	7.589	4.247	2.540	3.142	654.854 MCM

MOMENTARY PEAK 309.60 CMS, AT 8.72 M (A.D), AT 2.00 HOURS, ON AUG 11, 1979
RUNOFF YIELD 11.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 166.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

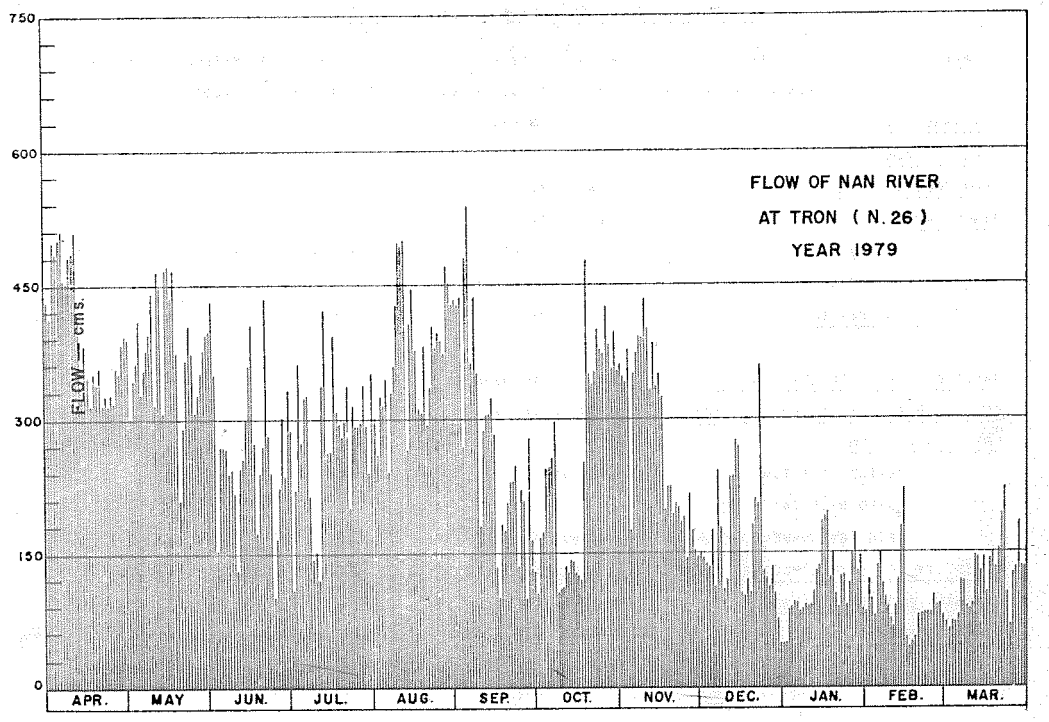
NAN RIVER AT TRON, UTTARADIT (N.26)

LOCATION	LAT. 17°-29'-00" N., LONG. 100°-06'-58" E., ON RIGHT BANK ABOUT 500 METERS UPSTREAM FROM TRON RAILWAY STATION, OPPOSITE TO AMPHOE TRON OFFICE, UTTARADIT.
DRAINAGE AREA	17,350 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+49.30 M. (M.S.L)
BENCH MARK	B.M.-H.S. NO.1
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+58.880 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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 376 DISCHARGE MEASUREMENTS MADE DURING 1969-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	52.78	52.57	52.78	52.01	52.22	52.76	50.70	52.44	51.13	50.11	50.50	50.43	
2	52.67	52.09	52.51	50.76	51.86	52.81	51.25	52.35	51.08	50.15	50.85	50.36	
3	53.11	52.34	51.95	52.04	52.24	51.91	51.29	52.32	51.03	50.54	50.71	50.30	
4	53.03	52.43	51.14	52.43	52.18	52.95	51.76	52.51	50.99	50.55	50.46	50.38	
5	53.12	52.67	51.91	51.95	52.34	53.30	51.75	51.31	51.30	50.62	50.98	50.38	
6	53.17	52.23	51.91	52.23	51.74	53.00	51.82	52.38	50.80	50.62	51.12	50.50	
7	52.90	52.40	51.85	52.24	52.23	52.45	52.07	52.47	51.75	50.51	50.86	50.87	
8	52.89	52.52	51.72	51.77	52.38	52.80	50.76	52.59	51.36	50.53	50.75	50.85	
9	53.03	52.61	51.75	51.06	52.66	51.98	50.72	52.57	51.23	50.58	50.60	50.54	
10	53.05	52.82	51.58	51.11	53.11	51.33	50.77	52.79	50.75	50.57	50.53	50.54	
11	53.15	52.17	50.97	50.85	53.08	52.00	50.80	52.62	50.85	50.58	50.34	50.58	
12	53.00	52.95	51.77	52.21	53.13	52.12	50.98	52.28	51.70	50.68	50.62	51.08	
13	52.46	52.87	51.82	52.73	51.90	52.13	50.92	52.55	51.71	50.93	50.83	51.07	
14	52.21	52.13	52.10	52.09	52.66	52.23	51.05	52.30	51.95	50.99	51.36	50.95	
15	52.54	52.96	52.50	51.88	52.85	51.98	51.03	52.38	51.92	51.37	51.62	51.02	
16	52.31	52.99	52.65	51.87	52.58	50.99	50.93	52.24	50.74	51.42	50.16	51.09	
17	52.18	52.80	52.12	52.59	52.24	50.67	50.88	52.33	50.68	51.45	50.08	50.73	
18	52.37	52.96	51.29	52.14	52.15	51.36	50.85	51.48	50.85	50.88	50.13	51.06	
19	52.31	52.67	51.68	52.05	52.13	51.31	52.49	51.64	50.73	51.12	50.23	51.12	
20	52.40	52.10	51.85	51.99	52.53	51.43	53.01	51.64	51.30	50.77	50.46	51.00	
21	52.18	51.55	52.79	52.11	52.06	51.67	52.39	51.43	51.55	50.55	50.48	51.17	
22	52.24	52.26	52.05	52.29	52.32	51.68	52.31	51.51	51.52	50.89	50.48	51.41	
23	52.18	52.50	51.87	51.49	52.64	51.78	52.44	51.49	52.42	50.92	50.50	51.62	
24	52.24	52.64	51.61	52.17	52.53	51.00	52.68	51.38	51.43	50.61	50.49	50.90	
25	52.19	52.42	50.64	52.05	52.61	51.62	52.51	51.41	50.96	50.57	50.48	50.34	
26	52.27	52.14	51.40	52.05	52.56	51.52	52.49	51.07	50.90	50.96	50.67	50.93	
27	52.41	52.27	51.81	52.08	52.49	50.65	52.75	51.58	50.81	51.27	50.56	50.98	
28	52.38	52.37	52.10	52.30	52.97	51.96	52.52	51.33	50.99	50.96	50.58	51.30	
29	52.54	52.47	51.70	52.06	52.91	51.25	52.41	51.15	50.67	51.09	50.48	51.36	
30	52.59	52.58	52.27	51.72	52.76	51.07	52.62	51.08	50.42	50.58		51.00	
31		52.62		52.37	52.79		52.40		50.14	50.52		50.97	
MEAN	52.60	52.49	51.87	51.96	52.48	51.86	51.72	51.95	51.15	50.77	50.62	50.87	
MAX	53.17	52.99	52.79	52.73	53.13	53.30	53.01	52.79	52.42	51.45	51.62	51.62	53.30
MIN	52.18	51.55	50.64	50.76	51.74	50.65	50.70	51.07	50.14	50.11	50.08	50.30	50.08

ANNUAL MAX MOMENTARY GAGE HEIGHT 53.32 M (MSL), AT 12.00 HOURS, ON SEP 6, 1979
ZERO GAGE AT BOTTOM ELEVATION 49.30 M (MSL), RIVER BED 49.31 M (MSL)
LEFT BANK ELEVATION 60.20 M (MSL)
RIGHT BANK ELEVATION 58.88 M (MSL), DRAINAGE AREA 17350 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	432.0	390.0	432.0	285.8	323.6	428.0	104.0	364.0	152.2	46.8	84.0	77.0	
2	410.0	300.2	378.0	110.0	261.6	438.0	169.0	347.0	145.6	50.0	119.0	70.0	
3	498.1	345.2	276.0	291.2	327.2	269.6	174.6	341.6	139.6	88.0	105.0	64.0	
4	482.0	362.0	153.6	362.0	316.4	466.0	245.6	378.0	134.8	89.0	80.0	72.0	
5	500.2	410.0	269.6	276.0	345.2	538.0	244.0	177.4	176.0	96.0	133.6	72.0	
6	510.7	325.4	269.6	325.4	242.4	476.0	255.2	352.4	114.0	96.0	150.8	84.0	
7	456.0	356.0	260.0	327.2	325.4	366.0	296.6	370.0	244.0	85.0	120.0	121.0	
8	454.0	380.0	239.2	247.2	352.4	436.0	110.0	394.0	184.4	87.0	109.0	119.0	
9	482.0	398.0	244.0	143.2	408.0	280.8	106.0	390.0	166.2	92.0	94.0	88.0	
10	486.0	440.0	216.8	149.4	498.1	180.2	111.0	434.0	109.0	91.0	87.0	88.0	
11	506.5	314.6	132.4	119.0	492.0	284.0	114.0	400.0	119.0	92.0	68.0	92.0	
12	476.0	466.0	247.2	321.8	502.3	305.6	133.6	334.4	236.0	102.0	96.0	145.6	
13	368.0	450.0	255.2	422.0	268.0	307.4	126.4	386.0	237.6	127.6	117.0	144.4	
14	321.8	307.4	302.0	300.2	408.0	325.4	142.0	338.0	276.0	134.8	184.4	130.0	
15	384.0	468.0	376.0	264.8	446.0	280.8	139.6	352.4	271.2	185.8	223.2	138.4	
16	339.8	474.0	406.0	263.2	392.0	134.8	127.6	327.2	108.0	192.8	50.8	146.8	
17	316.4	436.0	305.6	394.0	327.2	101.0	122.0	343.4	102.0	197.0	44.8	107.0	
18	350.6	468.0	174.6	309.2	311.0	184.4	119.0	201.2	119.0	122.0	48.4	143.2	
19	339.8	410.0	232.8	293.0	307.4	177.4	374.0	226.4	107.0	150.8	57.0	150.8	
20	356.0	302.0	260.0	282.4	382.0	194.2	478.0	226.4	176.0	111.0	80.0	136.0	
21	316.4	212.0	434.0	303.8	294.8	231.2	354.2	194.2	212.0	89.0	82.0	157.8	
22	327.2	330.8	293.0	336.2	341.6	232.8	339.8	205.6	207.2	123.0	82.0	191.4	
23	316.4	376.0	263.2	202.6	404.0	248.8	364.0	202.6	360.0	126.4	84.0	223.2	
24	327.2	404.0	221.6	314.6	382.0	136.0	412.0	187.2	194.2	95.0	83.0	124.0	
25	318.2	360.0	98.0	293.0	398.0	223.2	378.0	191.4	131.2	91.0	82.0	68.0	
26	332.6	309.2	190.0	293.0	388.0	207.2	374.0	144.4	124.0	131.2	101.0	127.6	
27	358.0	332.6	253.6	298.4	374.0	99.0	426.0	216.8	115.0	171.8	90.0	133.6	
28	352.4	350.6	302.0	338.0	470.0	277.6	380.0	180.2	134.8	131.2	92.0	176.0	
29	384.0	370.0	236.0	294.8	458.0	169.0	358.0	155.0	101.0	146.8	82.0	184.4	
30	394.0	392.0	332.6	239.2	428.0	144.4	400.0	145.6	76.0	92.0		136.0	
31		400.0		350.6	434.0		356.0		49.2	86.0		132.4	
TOTAL	11896.3	11640.0	8054.6	8751.2	11608.6	8142.8	7834.2	8506.8	5022.2	3520.0	2830.0	3843.6	91650.2 CMSDAY
MEAN	396.5	375.5	268.5	282.3	374.5	271.4	252.7	283.6	162.0	113.5	97.6	124.0	250.4 CMS
MAX	510.7	474.0	434.0	422.0	502.3	538.0	478.0	434.0	360.0	197.0	223.2	223.2	538.0 CMS
MIN	316.4	212.0	98.0	110.0	242.4	99.0	104.0	144.4	49.2	46.8	44.8	64.0	44.8 CMS
RUNOFF	1027.84	1005.70	695.92	756.10	1002.98	703.54	676.97	734.99	433.92	304.13	244.51	332.09	7918.57 MCM

MOMENTARY PEAK 542.40 CMS, AT 53.32 M (MSL), AT 12.00 HOURS, ON SEP 5, 1979

RUNOFF YIELD 14.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 31.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

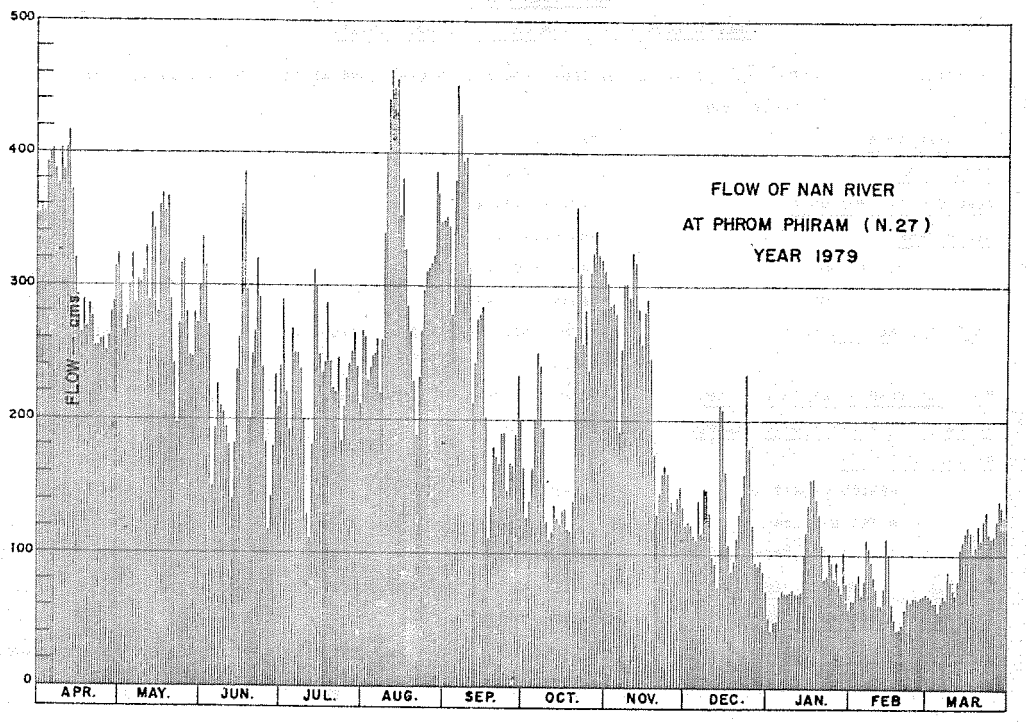
NAN RIVER AT PHROM PHIRAM, PHITSANULOK (N.27)

LOCATION	LAT. 17°-01'-37" N., LONG. 100°-12'-12" E., ON LEFT BANK ABOUT 200 METERS DOWNSTREAM FROM PHROM PHIRAM RAILWAY STATION, AMPHOE PROM PHIRAM, PHITSANULOK.
DRAINAGE AREA	19,549 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+38.20 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 10 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+48.244 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	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 376 DISCHARGE MEASUREMENTS MADE DURING 1966-1967, 1969-1970, 1972-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.32	42.05	42.03	41.76	41.57	42.26	40.52	41.93	40.13	39.26	39.42	39.47	
2	42.32	41.87	42.15	41.32	41.53	42.28	40.20	41.86	40.19	39.06	39.41	39.45	
3	42.28	41.58	41.89	41.18	41.24	42.23	40.35	41.73	40.16	39.16	39.59	39.41	
4	42.63	41.68	41.21	40.88	41.38	41.67	40.61	41.75	40.05	39.16	39.68	39.37	
5	42.69	41.82	40.45	41.58	41.40	42.51	41.09	41.68	40.01	39.46	39.50	39.29	
6	42.70	42.04	40.94	41.42	41.52	43.07	41.42	40.86	40.34	39.53	39.62	39.41	
7	42.54	41.74	41.21	41.42	41.13	42.94	41.34	41.46	40.08	39.52	40.03	39.42	
8	42.49	41.88	41.07	41.31	41.51	42.63	40.70	41.86	40.45	39.49	39.94	39.60	
9	42.71	41.86	41.01	40.96	42.07	42.65	40.17	41.87	40.43	39.50	39.79	39.73	
10	42.57	41.93	40.91	40.33	42.66	41.97	40.02	41.79	40.24	39.52	39.65	39.60	
11	42.64	42.10	40.78	40.04	42.85	41.08	40.06	42.07	39.85	39.47	39.53	39.46	
12	42.81	41.75	40.37	40.02	43.16	41.27	40.31	42.01	39.77	39.47	39.38	39.59	
13	42.53	42.30	40.70	41.24	43.05	41.52	40.20	41.75	39.54	39.48	39.38	39.93	
14	42.02	42.21	40.98	41.94	43.11	41.66	40.15	41.67	41.06	39.74	39.61	39.97	
15	41.68	41.69	41.54	41.52	42.29	41.71	40.26	41.45	41.04	40.02	40.02	40.05	
16	41.56	42.34	42.31	41.29	42.52	41.33	40.28	41.77	40.59	40.28	39.80	40.15	
17	41.77	42.43	42.56	41.33	42.10	40.46	40.14	41.58	39.95	40.51	39.37	40.11	
18	41.58	42.32	41.96	41.74	41.72	40.03	40.08	41.31	39.72	40.51	39.17	39.89	
19	41.67	42.40	40.95	41.37	41.57	40.44	40.11	40.60	39.83	40.37	39.09	39.95	
20	41.73	42.06	41.12	41.20	41.34	40.74	40.62	40.24	40.05	40.32	39.12	40.15	
21	41.65	41.37	41.40	41.16	40.84	40.64	42.34	40.36	40.26	40.00	39.28	40.01	
22	41.47	40.93	42.01	41.27	41.18	40.85	41.93	40.54	40.39	39.65	39.43	40.12	
23	41.46	41.52	41.70	41.40	41.50	40.85	41.49	40.61	40.58	39.67	39.41	40.28	
24	41.51	41.98	41.25	40.79	41.83	40.84	41.70	40.57	41.27	39.90	39.42	40.11	
25	41.51	42.01	40.80	41.24	41.95	40.44	41.30	40.40	40.64	39.76	39.47	40.01	
26	41.45	41.66	40.10	41.33	41.97	40.64	41.94	40.30	40.11	39.63	39.41	40.07	
27	41.55	41.40	40.36	41.39	41.98	40.60	42.04	40.28	39.83	39.83	39.45	40.22	
28	41.72	41.38	40.89	41.46	42.05	40.82	42.20	40.41	39.78	39.52	39.46	40.35	
29	41.76	41.68	41.25	41.55	42.56	41.26	42.06	40.45	39.81	39.91	39.49	40.32	
30	41.97	41.62	41.05	41.32	42.41	40.89	42.03	40.28	39.71	39.80		40.22	
31		41.89		41.09	42.25		42.02		39.49	39.33		40.13	
MEAN	42.04	41.85	41.23	41.22	41.94	41.41	40.96	41.18	40.17	39.70	39.51	39.87	
MAX	42.81	42.43	42.56	41.94	43.16	43.07	42.34	42.07	41.27	40.51	40.03	40.35	43.16
MIN	41.45	40.93	40.10	40.02	40.84	40.03	40.02	40.24	39.49	39.06	39.09	39.29	39.06

ANNUAL MAX MOMENTARY GAGE HEIGHT 43.29 M (MSL), AT 6.00 HOURS, ON AUG 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 38.20 M (MSL), RIVER BED 36.80 M (MSL)
LEFT BANK ELEVATION 48.44 M (MSL)
RIGHT BANK ELEVATION 49.00 M (MSL), DRAINAGE AREA 19549 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	356.40	324.00	321.60	289.20	266.70	349.20	157.00	309.60	120.70	55.20	66.40	69.90	
2	356.40	302.40	336.00	239.20	262.30	351.60	127.00	301.20	126.10	42.60	65.70	68.50	
3	351.60	267.80	304.80	223.80	230.40	345.60	140.50	285.60	123.40	48.60	78.30	65.70	
4	393.90	279.60	227.10	193.00	245.80	278.40	166.00	288.00	114.00	48.60	84.60	62.90	
5	401.70	296.40	150.00	267.80	248.00	379.20	214.00	279.60	110.80	69.20	72.00	57.30	
6	403.00	322.80	199.00	250.20	261.20	451.10	250.20	191.00	139.60	74.10	80.40	65.70	
7	382.80	286.80	227.10	250.20	218.30	434.20	241.40	254.60	116.40	73.40	112.40	66.40	
8	376.80	303.60	212.00	238.10	260.10	393.90	175.00	301.20	150.00	71.30	105.20	79.00	
9	404.30	301.20	206.00	201.00	326.40	396.50	124.30	302.40	148.00	72.00	93.20	88.40	
10	386.40	309.60	196.00	138.70	397.80	314.40	111.60	292.80	130.60	73.40	82.50	79.00	
11	395.20	330.00	183.00	113.20	422.50	213.00	114.80	326.40	98.00	69.90	74.10	69.20	
12	417.30	288.00	142.30	111.60	462.80	233.70	136.90	319.20	91.60	69.90	63.60	78.30	
13	381.60	354.00	175.00	230.40	448.50	261.20	127.00	288.00	74.80	70.60	63.60	104.40	
14	320.40	343.20	203.00	310.80	456.30	277.20	122.50	278.40	211.00	89.20	79.70	107.60	
15	279.60	280.80	263.40	261.20	352.80	283.20	132.40	253.50	209.00	111.60	111.60	114.00	
16	265.60	358.80	355.20	235.90	380.40	240.30	134.20	290.40	164.00	134.20	94.00	122.50	
17	290.40	369.60	385.20	240.30	330.00	151.00	121.60	267.80	106.00	156.00	62.90	118.90	
18	267.80	356.40	313.20	286.80	284.40	112.40	116.40	238.10	87.60	156.00	49.20	101.20	
19	278.40	366.00	200.00	244.70	266.70	149.00	118.90	165.00	96.40	142.30	44.40	106.00	
20	285.60	325.20	217.20	226.00	241.40	179.00	167.00	130.60	114.00	137.80	46.20	122.50	
21	276.00	244.70	248.00	221.60	189.00	169.00	358.80	141.40	132.40	110.00	56.60	110.80	
22	255.70	198.00	319.20	233.70	223.80	190.00	309.60	159.00	144.10	82.50	67.10	119.80	
23	254.60	261.20	282.00	248.00	259.00	190.00	257.90	166.00	163.00	83.90	65.70	134.20	
24	260.10	315.60	231.50	184.00	297.60	189.00	282.00	162.00	233.70	102.00	66.40	118.90	
25	260.10	319.20	185.00	230.40	312.00	149.00	237.00	145.00	169.00	90.80	69.90	110.80	
26	253.50	277.20	118.00	240.30	314.40	169.00	310.80	136.00	118.90	81.10	65.70	115.60	
27	264.50	248.00	141.40	246.90	315.60	165.00	322.80	134.20	96.40	96.40	68.50	128.80	
28	284.40	245.80	194.00	254.60	324.00	187.00	342.00	146.00	92.40	73.40	69.20	140.50	
29	289.20	279.60	231.50	264.50	385.20	232.60	325.20	150.00	94.80	102.80	71.30	137.80	
30	314.40	272.40	210.00	239.20	367.20	194.00	321.60	134.20	86.80	94.00		128.80	
31		304.80		214.00	348.00		320.40		71.30	60.10		120.70	
TOTAL	9707.69	9332.69	6977.70	7129.29	9698.59	7628.70	6386.80	6837.20	3934.80	2742.90	2130.40	3114.10	75620.79 CMSDAY
MEAN	323.59	301.05	232.59	229.98	312.86	254.29	206.03	227.91	126.93	88.48	73.46	100.45	206.61 CMS
MAX	417.30	369.60	385.20	310.80	462.80	451.10	358.80	326.40	233.70	156.00	112.40	140.50	462.80 CMS
MIN	253.50	198.00	118.00	111.60	189.00	112.40	111.60	130.60	71.30	42.60	44.40	57.30	42.60 CMS
RUNOFF	838.744	806.344	602.873	615.971	837.958	659.119	551.819	590.734	339.966	236.986	184.066	269.058	6533.634 MCM

MOMENTARY PEAK 480.60 CMS, AT 43.29 M (MSL), AT 6.00 HOURS, ON AUG 13, 1979

RUNOFF YIELD 10.57 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 24.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

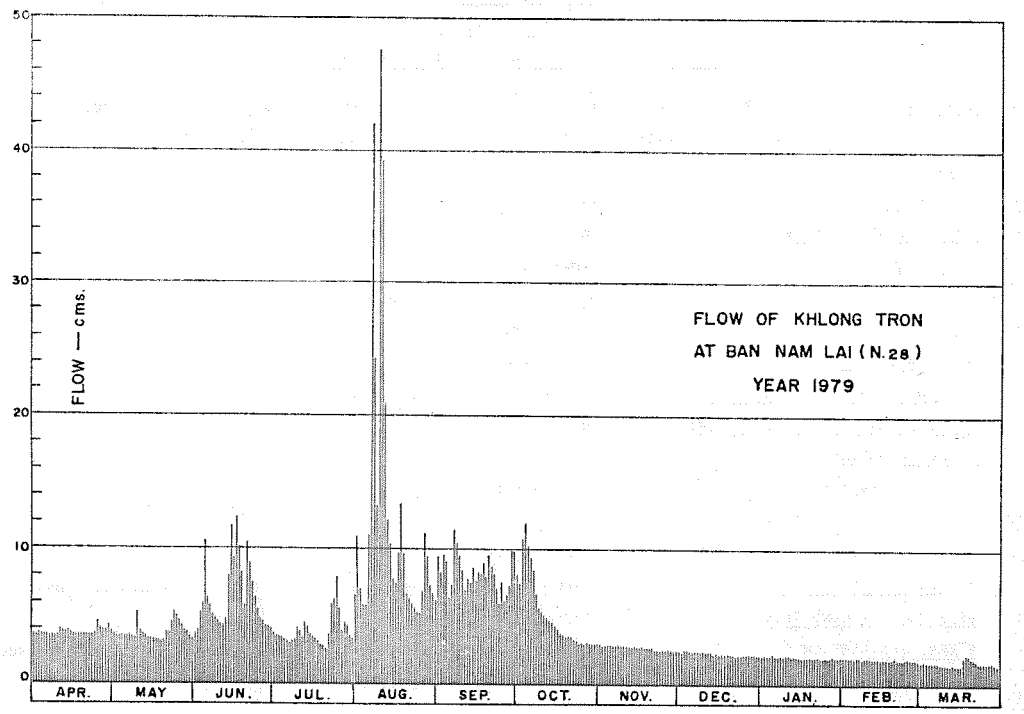
KHLONG TRON AT BAN NAM LAI, UTTARADIT (N.28)

LOCATION	LAT. 17°-34'-10" N., LONG. 100°-27'-04" E., ON LEFT BANK AT BAN NAM LAI, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	478 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+6.039 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE
RATING OPERATION	
PERIOD OF RATING	1967-1970
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1970
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 545 DISCHARGE MEASUREMENTS MADE DURING 1967-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.05	1.06	1.08	1.07	1.68	1.57	1.47	0.99	0.93	0.88	0.85	0.80	
2	1.05	1.05	1.10	1.06	1.55	1.46	1.41	0.98	0.93	0.88	0.85	0.80	
3	1.05	1.05	1.24	1.04	1.32	1.57	1.67	0.98	0.93	0.88	0.85	0.80	
4	1.05	1.05	1.30	1.03	1.28	1.53	1.73	0.98	0.93	0.88	0.84	0.79	
5	1.05	1.04	1.65	1.02	1.29	1.33	1.61	0.97	0.93	0.88	0.84	0.78	
6	1.05	1.04	1.29	1.01	1.90	1.44	1.56	0.97	0.93	0.87	0.84	0.78	
7	1.04	1.04	1.28	1.00	2.88	1.70	1.50	0.97	0.92	0.87	0.84	0.78	
8	1.04	1.04	1.17	1.02	2.31	1.63	1.34	0.97	0.92	0.87	0.84	0.77	
9	1.04	1.03	1.17	1.03	1.78	1.56	1.26	0.96	0.92	0.87	0.84	0.77	
10	1.06	1.23	1.17	1.12	3.04	1.51	1.22	0.96	0.92	0.87	0.84	0.76	
11	1.09	1.08	1.12	1.09	2.46	1.37	1.20	0.96	0.91	0.87	0.84	0.76	
12	1.08	1.06	1.15	1.05	1.87	1.45	1.18	0.96	0.91	0.86	0.83	0.76	
13	1.08	1.04	1.22	1.15	1.70	1.41	1.17	0.96	0.91	0.86	0.83	0.75	
14	1.08	1.02	1.49	1.09	1.54	1.51	1.16	0.96	0.90	0.86	0.83	0.75	
15	1.07	1.02	1.73	1.05	1.42	1.44	1.12	0.95	0.90	0.86	0.83	0.74	
16	1.06	1.02	1.55	1.03	1.42	1.48	1.10	0.95	0.90	0.86	0.83	0.75	
17	1.02	1.01	1.76	1.02	1.83	1.47	1.08	0.95	0.90	0.86	0.83	0.89	
18	1.05	1.01	1.57	1.00	1.71	1.52	1.06	0.95	0.90	0.86	0.83	0.90	
19	1.05	1.01	1.46	0.98	1.50	1.45	1.05	0.95	0.90	0.86	0.83	0.86	
20	1.05	1.01	1.26	0.96	1.34	1.58	1.04	0.95	0.90	0.86	0.83	0.85	
21	1.04	1.10	1.64	0.94	1.32	1.51	1.03	0.95	0.89	0.86	0.82	0.82	
22	1.04	1.08	1.53	1.10	1.29	1.49	1.02	0.94	0.89	0.86	0.82	0.80	
23	1.04	1.19	1.45	1.31	1.24	1.38	1.01	0.94	0.89	0.86	0.82	0.79	
24	1.07	1.23	1.32	1.32	1.23	1.29	1.00	0.94	0.89	0.86	0.82	0.79	
25	1.14	1.19	1.22	1.46	1.23	1.43	0.99	0.94	0.89	0.86	0.82	0.78	
26	1.10	1.15	1.18	1.15	1.44	1.31	0.99	0.94	0.89	0.86	0.82	0.78	
27	1.08	1.12	1.16	1.10	1.69	1.35	0.98	0.94	0.88	0.86	0.81	0.78	
28	1.09	1.09	1.12	1.15	1.54	1.41	1.00	0.94	0.88	0.86	0.81	0.78	
29	1.14	1.07	1.12	1.11	1.40	1.60	0.99	0.93	0.88	0.85	0.81	0.77	
30	1.08	1.05	1.10	1.05	1.35	1.59	0.99	0.93	0.88	0.85		0.77	
31		1.04		1.03	1.32		0.99		0.88	0.85		0.77	
MEAN	1.07	1.07	1.32	1.08	1.64	1.48	1.19	0.96	0.90	0.86	0.83	0.79	
MAX	1.14	1.23	1.76	1.46	3.04	1.70	1.73	0.99	0.93	0.88	0.85	0.90	3.04
MIN	1.04	1.01	1.08	0.94	1.23	1.29	0.98	0.93	0.88	0.85	0.81	0.74	0.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.68 M (A.D), AT 9.00 HOURS, ON AUG 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.55 M (A.D)
LEFT BANK ELEVATION 7.90 M (A.D)
RIGHT BANK ELEVATION 9.29 M (A.D), DRAINAGE AREA 478 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.65	3.74	3.92	3.83	11.20	9.58	8.21	3.12	2.64	2.26	2.05	1.70	
2	3.65	3.65	4.10	3.74	9.30	8.08	7.43	3.04	2.64	2.26	2.05	1.70	
3	3.65	3.65	5.50	3.56	6.34	9.58	11.05	3.04	2.64	2.26	2.05	1.70	
4	3.65	3.65	6.10	3.47	5.90	9.02	11.98	3.04	2.64	2.26	1.98	1.64	
5	3.65	3.56	10.75	3.38	6.00	6.46	10.15	2.96	2.64	2.26	1.98	1.58	
6	3.65	3.56	6.00	3.29	14.90	7.82	9.44	2.96	2.64	2.19	1.98	1.58	
7	3.56	3.56	5.90	3.20	41.30	11.50	8.60	2.96	2.56	2.19	1.98	1.58	
8	3.56	3.56	4.80	3.38	23.76	10.45	6.58	2.96	2.56	2.19	1.98	1.52	
9	3.56	3.47	4.80	3.47	12.78	9.44	5.70	2.88	2.56	2.19	1.98	1.52	
10	3.74	5.40	4.80	4.30	47.60	8.74	5.30	2.88	2.56	2.19	1.98	1.46	
11	4.01	3.92	4.30	4.01	27.78	6.94	5.10	2.88	2.48	2.19	1.98	1.46	
12	3.92	3.74	4.60	3.65	14.36	7.95	4.90	2.88	2.48	2.12	1.91	1.46	
13	3.92	3.56	5.30	4.60	11.50	7.43	4.80	2.88	2.48	2.12	1.91	1.40	
14	3.92	3.38	8.47	4.01	9.16	8.74	4.70	2.88	2.40	2.12	1.91	1.40	
15	3.83	3.38	11.98	3.65	7.56	7.82	4.30	2.80	2.40	2.12	1.91	1.34	
16	3.74	3.38	9.30	3.47	7.56	8.34	4.10	2.80	2.40	2.12	1.91	1.40	
17	3.74	3.29	12.46	3.38	13.64	8.21	3.92	2.80	2.40	2.12	1.91	2.33	
18	3.65	3.29	9.58	3.20	11.66	8.88	3.74	2.80	2.40	2.12	1.91	2.40	
19	3.65	3.29	8.08	3.04	8.60	7.95	3.65	2.80	2.40	2.12	1.91	2.12	
20	3.65	3.29	5.70	2.88	6.58	9.72	3.56	2.80	2.40	2.12	1.91	2.05	
21	3.56	4.10	10.60	2.72	6.34	8.74	3.47	2.80	2.33	2.12	1.84	1.84	
22	3.56	3.92	9.02	4.10	6.00	8.47	3.38	2.72	2.33	2.12	1.84	1.70	
23	3.56	5.00	7.95	6.22	5.50	7.06	3.29	2.72	2.33	2.12	1.84	1.64	
24	3.83	5.40	6.34	6.34	5.40	6.00	3.20	2.72	2.33	2.12	1.84	1.64	
25	4.50	5.00	5.30	8.08	5.40	7.69	3.12	2.72	2.33	2.12	1.84	1.58	
26	4.10	4.60	4.90	4.60	7.82	6.22	3.12	2.72	2.33	2.12	1.84	1.58	
27	3.92	4.30	4.70	4.10	11.35	6.70	3.04	2.72	2.26	2.12	1.77	1.58	
28	4.01	4.01	4.30	4.60	9.16	7.43	3.20	2.72	2.26	2.12	1.77	1.58	
29	4.50	3.83	4.30	4.20	7.30	10.00	3.12	2.64	2.26	2.05	1.77	1.52	
30	3.92	3.65	4.10	3.65	6.70	9.86	3.12	2.64	2.26	2.05		1.52	
31		3.56		3.47	6.34		3.12		2.26	2.05		1.52	
TOTAL	113.81	119.69	197.95	123.59	374.79	250.82	162.39	85.28	75.60	66.63	55.53	51.04	1677.12 CMSDAY
MEAN	3.79	3.86	6.60	3.99	12.09	8.36	5.24	2.84	2.44	2.15	1.91	1.65	4.58 CMS
MAX	4.50	5.40	12.46	8.08	47.60	11.50	11.98	3.12	2.64	2.26	2.05	2.40	47.60 CMS
MIN	3.56	3.29	3.92	2.72	5.40	6.00	3.04	2.64	2.26	2.05	1.77	1.34	1.34 CMS
RUNOFF	9.833	10.341	17.103	10.678	32.382	21.671	14.030	7.368	6.532	5.757	4.798	4.410	144.903 MCM

MOMENTARY PEAK 77.40 CMS, AT 3.68 M (A.D), AT 9.00 HOURS, ON AUG 10, 1979

RUNOFF YIELD 9.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 161.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

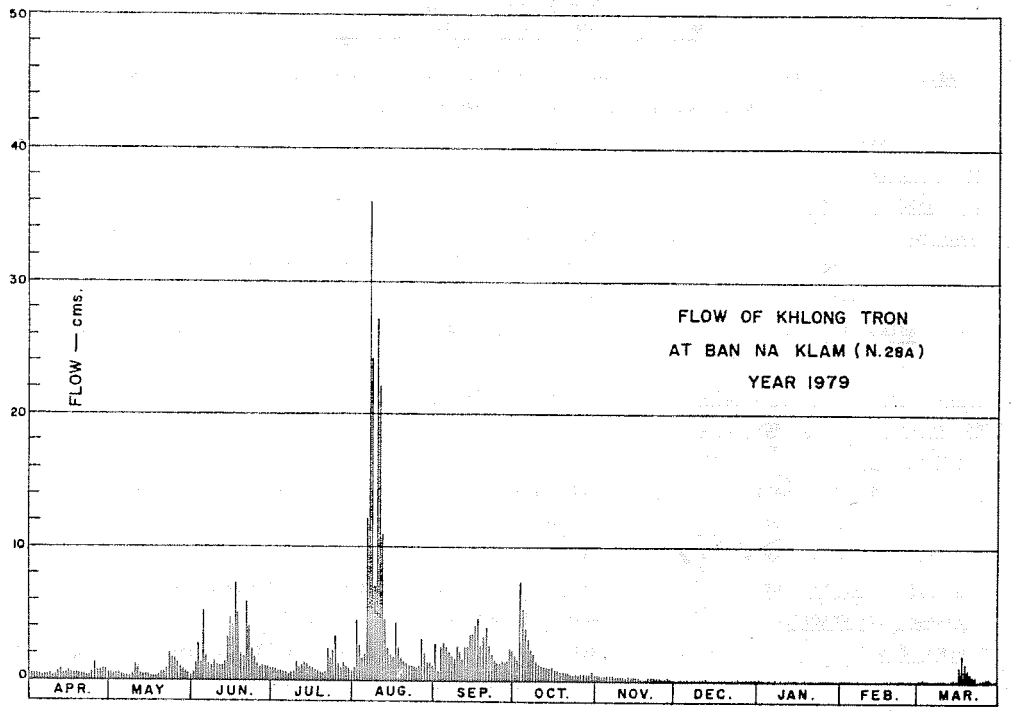
KHLONG TRON AT BAN NA KLAM, UTTARADIT (N.28A)

LOCATION	LAT. 17°-35'-00" N., LONG. 100°-29'-30" E., ON LEFT BANK AT BAN NA KLAM BRIDGE ABOUT 7 KILOMETERS UPSTREAM FROM STATION N.28, AMPHOE NAM PAT, UTTARADIT.
DRAINAGE AREA	368 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+23.769 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 187 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.55	1.58	1.64	1.68	1.74	1.88	1.82	1.58	1.50	1.46	1.36	1.31	
2	1.55	1.57	1.77	1.66	1.99	1.60	1.79	1.57	1.50	1.46	1.36	1.31	
3	1.55	1.55	1.90	1.65	1.87	1.88	2.12	1.56	1.50	1.46	1.35	1.30	
4	1.55	1.55	1.76	1.64	1.83	1.89	2.02	1.56	1.51	1.46	1.35	1.30	
5	1.55	1.55	2.02	1.64	1.84	1.87	1.97	1.55	1.51	1.46	1.34	1.29	
6	1.55	1.54	1.78	1.63	2.23	1.85	1.92	1.55	1.49	1.46	1.34	1.29	
7	1.55	1.54	1.75	1.62	2.80	1.83	1.87	1.54	1.49	1.45	1.33	1.29	
8	1.55	1.54	1.74	1.63	2.45	1.79	1.82	1.54	1.48	1.45	1.33	1.29	
9	1.55	1.56	1.79	1.66	2.11	1.87	1.78	1.53	1.49	1.45	1.33	1.28	
10	1.57	1.75	1.73	1.77	2.65	1.86	1.74	1.53	1.49	1.45	1.33	1.28	
11	1.61	1.65	1.69	1.69	2.47	1.81	1.72	1.53	1.48	1.45	1.33	1.30	
12	1.65	1.60	1.70	1.72	2.10	1.88	1.71	1.53	1.48	1.45	1.33	1.28	
13	1.62	1.57	1.78	1.75	1.95	1.86	1.69	1.52	1.48	1.45	1.34	1.28	
14	1.60	1.57	1.95	1.72	1.87	1.93	1.68	1.52	1.48	1.45	1.34	1.29	
15	1.63	1.56	2.00	1.68	1.82	1.93	1.67	1.52	1.48	1.45	1.34	1.36	
16	1.59	1.55	1.97	1.65	1.82	1.97	1.65	1.51	1.48	1.45	1.34	1.49	
17	1.57	1.54	2.12	1.65	1.98	2.00	1.64	1.51	1.48	1.45	1.34	1.50	
18	1.55	1.54	1.92	1.63	1.84	1.89	1.63	1.52	1.48	1.45	1.34	1.43	
19	1.56	1.55	1.83	1.62	1.79	1.91	1.63	1.51	1.48	1.45	1.34	1.39	
20	1.55	1.59	1.82	1.62	1.77	1.96	1.62	1.51	1.48	1.44	1.33	1.36	
21	1.55	1.61	2.05	1.61	1.75	1.87	1.61	1.51	1.48	1.44	1.33	1.33	
22	1.55	1.63	1.98	1.87	1.73	1.85	1.60	1.51	1.48	1.44	1.33	1.33	
23	1.56	1.84	1.87	1.82	1.72	1.80	1.60	1.51	1.48	1.44	1.33	1.32	
24	1.60	1.82	1.81	1.84	1.70	1.78	1.59	1.51	1.47	1.44	1.33	1.31	
25	1.77	1.79	1.76	1.93	1.69	1.76	1.59	1.51	1.47	1.44	1.32	1.32	
26	1.63	1.75	1.73	1.74	1.74	1.77	1.59	1.51	1.46	1.44	1.32	1.32	
27	1.65	1.68	1.70	1.70	1.92	1.80	1.60	1.50	1.46	1.44	1.32	1.31	
28	1.65	1.64	1.71	1.78	1.84	1.78	1.60	1.50	1.46	1.44	1.31	1.31	
29	1.66	1.61	1.70	1.71	1.77	1.88	1.59	1.50	1.46	1.44	1.31	1.30	
30	1.62	1.60	1.69	1.67	1.76	1.86	1.59	1.50	1.46	1.44		1.30	
31		1.58		1.66	1.74		1.58		1.46	1.44		1.30	
MEAN	1.59	1.61	1.82	1.70	1.94	1.85	1.71	1.52	1.48	1.45	1.33	1.32	
MAX	1.77	1.84	2.12	1.93	2.80	2.00	2.12	1.58	1.51	1.46	1.36	1.50	2.80
MIN	1.55	1.54	1.64	1.61	1.69	1.60	1.58	1.50	1.46	1.44	1.31	1.28	1.28

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.45 M (A.D), AT 13.00 HOURS, ON AUG 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 1.20 M (A.D)
LEFT BANK ELEVATION 6.70 M (A.D)
RIGHT BANK ELEVATION 6.16 M (A.D), DRAINAGE AREA 368 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.44	0.70	0.90	1.20	2.62	1.78	0.44	0.20	0.16	0.06	0.01	
2	0.35	0.41	1.35	0.80	4.61	0.50	1.45	0.41	0.20	0.16	0.06	0.01	
3	0.35	0.35	2.90	0.75	2.48	2.62	7.46	0.38	0.20	0.16	0.05	0.00	
4	0.35	0.35	1.30	0.70	1.92	2.76	5.24	0.38	0.23	0.16	0.05	0.00	
5	0.35	0.35	5.24	0.70	2.06	2.48	4.23	0.35	0.23	0.16	0.04	0.00	
6	0.35	0.32	1.40	0.65	10.17	2.20	3.28	0.35	0.19	0.16	0.04	0.00	
7	0.35	0.32	1.25	0.60	36.00	1.92	2.48	0.32	0.19	0.15	0.03	0.00	
8	0.35	0.32	1.20	0.65	17.75	1.45	1.78	0.32	0.18	0.15	0.03	0.00	
9	0.35	0.38	1.45	0.80	7.23	2.48	1.40	0.29	0.19	0.15	0.03	0.00	
10	0.41	1.25	1.15	1.35	27.25	2.34	1.20	0.29	0.19	0.15	0.03	0.00	
11	0.55	0.75	0.95	0.95	18.65	1.64	1.10	0.29	0.18	0.15	0.03	0.00	
12	0.75	0.50	1.00	1.10	7.00	2.62	1.05	0.29	0.18	0.15	0.03	0.00	
13	0.60	0.41	1.40	1.30	3.85	2.34	0.95	0.26	0.18	0.15	0.04	0.00	
14	0.50	0.41	3.85	1.10	2.48	3.47	0.90	0.26	0.18	0.15	0.04	0.00	
15	0.65	0.38	4.80	0.90	1.78	3.47	0.85	0.26	0.18	0.15	0.04	0.06	
16	0.47	0.35	4.23	0.75	1.78	4.23	0.75	0.23	0.18	0.15	0.04	0.19	
17	0.41	0.32	7.46	0.75	4.42	4.80	0.70	0.23	0.18	0.15	0.04	0.20	
18	0.35	0.32	3.28	0.65	2.06	2.76	0.65	0.26	0.18	0.15	0.04	0.13	
19	0.38	0.35	1.92	0.60	1.45	3.09	0.65	0.23	0.18	0.15	0.04	0.09	
20	0.35	0.47	1.78	0.60	1.35	4.04	0.60	0.23	0.18	0.14	0.03	0.06	
21	0.35	0.55	5.90	0.55	1.25	2.48	0.55	0.23	0.18	0.14	0.03	0.03	
22	0.35	0.65	4.42	2.48	1.15	2.20	0.50	0.23	0.18	0.14	0.03	0.03	
23	0.38	2.06	2.48	1.78	1.10	1.50	0.50	0.23	0.18	0.14	0.03	0.02	
24	0.50	1.78	1.64	2.06	1.00	1.40	0.47	0.23	0.17	0.14	0.03	0.01	
25	1.35	1.45	1.30	3.47	0.95	1.30	0.47	0.23	0.17	0.14	0.02	0.02	
26	0.65	1.25	1.15	1.20	1.20	1.35	0.47	0.23	0.16	0.14	0.02	0.02	
27	0.75	0.90	1.00	1.00	3.28	1.50	0.50	0.20	0.16	0.14	0.02	0.01	
28	0.75	0.70	1.05	1.40	2.06	1.40	0.50	0.20	0.16	0.14	0.01	0.01	
29	0.80	0.55	1.00	1.05	1.35	2.62	0.47	0.20	0.16	0.14	0.01	0.00	
30	0.60	0.50	0.95	0.85	1.30	2.34	0.47	0.20	0.16	0.14		0.00	
31		0.44		0.80	1.20		0.44		0.16	0.14		0.00	
TOTAL	15.05	19.58	69.50	33.24	171.33	71.92	43.84	8.25	5.64	4.59	0.99	0.90	444.83 CMSDAY
MEAN	0.50	0.63	2.32	1.07	5.53	2.40	1.41	0.27	0.18	0.15	0.03	0.03	1.22 CMS
MAX	1.35	2.06	7.46	3.47	36.00	4.80	7.46	0.44	0.23	0.16	0.06	0.20	36.00 CMS
MIN	0.35	0.32	0.70	0.55	0.95	0.50	0.44	0.20	0.16	0.14	0.01	0.00	0.00 CMS
RUNOFF	1.300	1.692	6.005	2.872	14.803	6.214	3.788	0.713	0.487	0.397	0.086	0.078	38.433 MCM

MOMENTARY PEAK 95.00 CMS, AT 3.45 M (A.D), AT 13.00 HOURS, ON AUG 10, 1979
RUNOFF YIELD 3.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 258.15 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

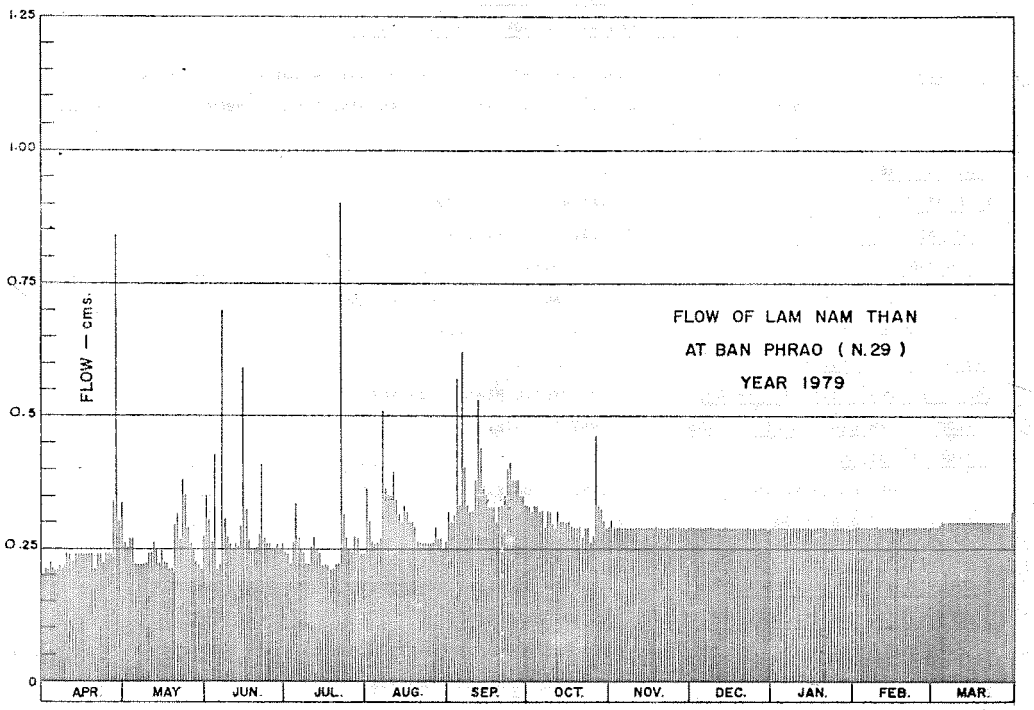
LAM NAM THAN AT BAN PHRAO, PHITSANULOK (N.29)

LOCATION	LAT. 17°-08'-05" N., LONG. 100°-46'-42" E., ON LEFT BANK AT BAN PHRAO ABOUT 800 METERS DOWNSTREAM FROM PURPOSE DAMSITE, AMPHOE NAKHON THAI, PHITSANULOK.
DRAINAGE AREA	6 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 30 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+3.650 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1972
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1972
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 140 DISCHARGE MEASUREMENTS MADE DURING 1971-1972.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.63	0.67	0.73	0.65	0.74	0.71	0.72	0.70	0.69	0.69	0.69	0.69	
2	0.63	0.66	0.69	0.65	0.68	0.70	0.71	0.69	0.69	0.69	0.69	0.69	
3	0.64	0.68	0.67	0.64	0.67	0.71	0.72	0.69	0.69	0.69	0.69	0.69	
4	0.63	0.68	0.78	0.67	0.67	0.86	0.72	0.69	0.69	0.69	0.69	0.70	
5	0.63	0.64	0.63	0.72	0.67	0.72	0.71	0.69	0.69	0.69	0.69	0.70	
6	0.64	0.64	0.64	0.68	0.68	0.89	0.71	0.69	0.69	0.69	0.69	0.70	
7	0.63	0.64	0.93	0.66	0.83	0.76	0.69	0.69	0.69	0.69	0.69	0.70	
8	0.64	0.64	0.71	0.65	0.74	0.72	0.71	0.69	0.69	0.69	0.69	0.70	
9	0.65	0.64	0.68	0.64	0.73	0.71	0.71	0.69	0.69	0.69	0.69	0.70	
10	0.65	0.65	0.67	0.64	0.73	0.71	0.70	0.69	0.69	0.69	0.69	0.70	
11	0.64	0.65	0.66	0.65	0.76	0.75	0.69	0.69	0.69	0.69	0.69	0.70	
12	0.65	0.67	0.67	0.68	0.73	0.84	0.71	0.69	0.69	0.69	0.69	0.70	
13	0.65	0.66	0.66	0.66	0.71	0.79	0.70	0.69	0.69	0.69	0.69	0.70	
14	0.65	0.64	0.69	0.65	0.70	0.74	0.70	0.69	0.69	0.69	0.69	0.70	
15	0.65	0.66	0.87	0.64	0.72	0.73	0.70	0.69	0.69	0.69	0.69	0.70	
16	0.65	0.64	0.74	0.64	0.71	0.72	0.70	0.69	0.69	0.69	0.69	0.71	
17	0.65	0.64	0.68	0.64	0.70	0.72	0.69	0.69	0.69	0.69	0.69	0.70	
18	0.65	0.63	0.66	0.63	0.70	0.72	0.69	0.69	0.69	0.69	0.69	0.70	
19	0.63	0.63	0.66	0.63	0.69	0.70	0.69	0.69	0.69	0.69	0.69	0.70	
20	0.63	0.69	0.66	0.64	0.67	0.72	0.69	0.69	0.69	0.69	0.69	0.70	
21	0.65	0.71	0.66	0.64	0.67	0.72	0.68	0.69	0.69	0.69	0.69	0.70	
22	0.65	0.68	0.77	1.03	0.67	0.73	0.69	0.69	0.69	0.69	0.69	0.70	
23	0.64	0.75	0.68	0.71	0.67	0.76	0.69	0.69	0.69	0.69	0.69	0.70	
24	0.65	0.73	0.67	0.68	0.67	0.77	0.67	0.69	0.69	0.69	0.69	0.70	
25	0.65	0.69	0.67	0.66	0.67	0.75	0.68	0.69	0.69	0.69	0.69	0.70	
26	0.65	0.67	0.66	0.65	0.67	0.75	0.80	0.69	0.69	0.69	0.69	0.70	
27	0.72	0.65	0.66	0.68	0.69	0.75	0.72	0.69	0.69	0.69	0.69	0.70	
28	1.00	0.64	0.67	0.68	0.68	0.73	0.71	0.69	0.69	0.69	0.69	0.70	
29	0.70	0.64	0.66	0.66	0.68	0.73	0.70	0.69	0.69	0.69	0.69	0.70	
30	0.72	0.63	0.67	0.65	0.66	0.72	0.69	0.69	0.69	0.69		0.71	
31		0.70		0.65	0.68		0.69		0.69	0.69		0.71	
MEAN	0.66	0.66	0.69	0.67	0.70	0.74	0.70	0.69	0.69	0.69	0.69	0.70	
MAX	1.00	0.75	0.93	1.03	0.83	0.89	0.80	0.70	0.69	0.69	0.69	0.71	1.03
MIN	0.63	0.63	0.63	0.63	0.66	0.70	0.67	0.69	0.69	0.69	0.69	0.69	0.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.39 M (A.D), AT 9.00 HOURS, ON JUL 22, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.34 M (A.D)
LEFT BANK ELEVATION 3.99 M (A.D)
RIGHT BANK ELEVATION 4.57 M (A.D), DRAINAGE AREA 6 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.21	0.26	0.35	0.24	0.36	0.32	0.33	0.30	0.29	0.29	0.29	0.29	
2	0.21	0.25	0.29	0.24	0.27	0.30	0.32	0.29	0.29	0.29	0.29	0.29	
3	0.22	0.27	0.26	0.22	0.26	0.32	0.33	0.29	0.29	0.29	0.29	0.29	
4	0.21	0.27	0.43	0.26	0.26	0.57	0.33	0.29	0.29	0.29	0.29	0.30	
5	0.21	0.22	0.21	0.33	0.26	0.33	0.32	0.29	0.29	0.29	0.29	0.30	
6	0.22	0.22	0.22	0.27	0.27	0.62	0.32	0.29	0.29	0.29	0.29	0.30	
7	0.21	0.22	0.70	0.25	0.51	0.40	0.29	0.29	0.29	0.29	0.29	0.30	
8	0.22	0.22	0.32	0.24	0.36	0.33	0.32	0.29	0.29	0.29	0.29	0.30	
9	0.24	0.22	0.27	0.22	0.35	0.32	0.32	0.29	0.29	0.29	0.29	0.30	
10	0.24	0.24	0.26	0.22	0.35	0.32	0.30	0.29	0.29	0.29	0.29	0.30	
11	0.22	0.24	0.25	0.24	0.40	0.36	0.29	0.29	0.29	0.29	0.29	0.30	
12	0.24	0.26	0.26	0.27	0.35	0.53	0.32	0.29	0.29	0.29	0.29	0.30	
13	0.24	0.25	0.25	0.25	0.32	0.44	0.30	0.29	0.29	0.29	0.29	0.30	
14	0.24	0.22	0.29	0.24	0.30	0.36	0.30	0.29	0.29	0.29	0.29	0.30	
15	0.24	0.25	0.59	0.22	0.33	0.35	0.30	0.29	0.29	0.29	0.29	0.30	
16	0.24	0.22	0.36	0.22	0.32	0.33	0.30	0.29	0.29	0.29	0.29	0.32	
17	0.24	0.22	0.27	0.22	0.30	0.33	0.29	0.29	0.29	0.29	0.29	0.30	
18	0.24	0.21	0.25	0.21	0.30	0.33	0.29	0.29	0.29	0.29	0.29	0.30	
19	0.21	0.21	0.25	0.21	0.29	0.30	0.29	0.29	0.29	0.29	0.29	0.30	
20	0.21	0.29	0.25	0.22	0.26	0.33	0.29	0.29	0.29	0.29	0.29	0.30	
21	0.24	0.32	0.25	0.22	0.26	0.33	0.27	0.29	0.29	0.29	0.29	0.30	
22	0.24	0.27	0.41	0.90	0.26	0.35	0.29	0.29	0.29	0.29	0.29	0.30	
23	0.22	0.38	0.27	0.32	0.26	0.40	0.29	0.29	0.29	0.29	0.29	0.30	
24	0.24	0.35	0.26	0.27	0.26	0.41	0.26	0.29	0.29	0.29	0.29	0.30	
25	0.24	0.29	0.26	0.25	0.26	0.38	0.27	0.29	0.29	0.29	0.29	0.30	
26	0.24	0.26	0.25	0.24	0.26	0.38	0.46	0.29	0.29	0.29	0.29	0.30	
27	0.33	0.24	0.25	0.27	0.29	0.38	0.33	0.29	0.29	0.29	0.29	0.30	
28	0.84	0.22	0.26	0.27	0.27	0.35	0.32	0.29	0.29	0.29	0.29	0.30	
29	0.30	0.22	0.25	0.25	0.27	0.35	0.30	0.29	0.29	0.29	0.29	0.30	
30	0.33	0.21	0.26	0.24	0.25	0.33	0.29	0.29	0.29	0.29		0.32	
31		0.30		0.24	0.27		0.29		0.29	0.29		0.32	
TOTAL	7.73	7.82	9.05	8.26	9.33	11.17	9.52	8.71	8.99	8.99	8.41	9.33	107.31 CMSDAY
MEAN	0.26	0.25	0.30	0.27	0.30	0.37	0.31	0.29	0.29	0.29	0.29	0.30	0.29 CMS
MAX	0.84	0.38	0.70	0.90	0.51	0.62	0.46	0.30	0.29	0.29	0.29	0.32	0.90 CMS
MIN	0.21	0.21	0.21	0.21	0.25	0.30	0.26	0.29	0.29	0.29	0.29	0.29	0.21 CMS
RUNOFF	0.668	0.676	0.782	0.714	0.806	0.965	0.823	0.753	0.777	0.777	0.727	0.806	9.272 MCM

MOMENTARY PEAK 1.79 CMS, AT 1.39 M (A.D), AT 9.00 HOURS, ON JUL 22, 1979

RUNOFF YIELD 48.87 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 298.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

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

LOCATION — LAT. 17°43'05" N., LONG. 100°34'32" E., ON RIGHT BANK ABOUT 4.5 KILOMETERS UPSTREAM FROM CONFLUENCE WITH NAN RIVER AT BAN WANG BANG, TAMBON SAEN TO, AMPHOE NAM PAT, UTTARADIT.

DRAINAGE AREA — 2,463 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +79.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +87.268 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1966 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1966 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

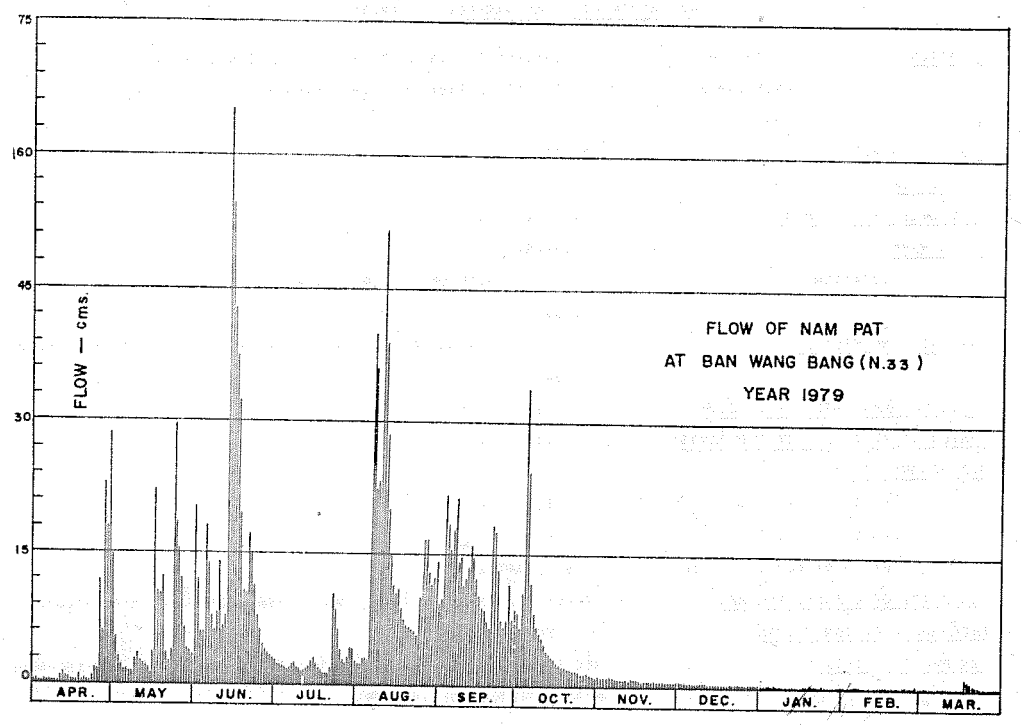
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	79.42	80.21	80.47	79.74	79.74	80.30	80.08	79.59	79.50	79.43	79.40	79.34	
2	79.42	79.93	80.24	79.72	79.74	80.12	79.99	79.58	79.51	79.43	79.40	79.33	
3	79.42	79.78	79.97	79.71	79.80	80.17	80.06	79.57	79.51	79.42	79.40	79.33	
4	79.42	79.69	79.91	79.69	79.78	80.51	80.40	79.57	79.50	79.43	79.40	79.33	
5	79.41	79.65	80.42	79.67	79.77	80.45	80.78	79.56	79.50	79.43	79.39	79.33	
6	79.41	79.62	80.37	79.67	80.09	80.33	80.26	79.55	79.50	79.43	79.39	79.33	
7	79.41	79.63	80.11	79.73	80.80	80.41	80.10	79.55	79.50	79.42	79.39	79.33	
8	79.41	79.64	79.98	79.74	80.91	80.50	80.03	79.54	79.49	79.42	79.38	79.32	
9	79.41	79.76	80.10	79.68	80.53	80.29	79.96	79.54	79.49	79.41	79.37	79.32	
10	79.41	79.79	80.29	79.65	80.65	80.31	79.92	79.53	79.49	79.41	79.36	79.33	
11	79.57	79.74	80.01	79.64	81.06	80.20	79.87	79.53	79.48	79.41	79.36	79.33	
12	79.60	79.72	80.00	79.69	81.12	80.26	79.84	79.53	79.47	79.41	79.36	79.33	
13	79.52	79.71	80.93	79.67	80.54	80.29	79.82	79.52	79.48	79.41	79.36	79.32	
14	79.50	79.67	81.34	79.73	80.31	80.35	79.80	79.52	79.47	79.41	79.36	79.32	
15	79.44	79.62	81.00	79.79	80.20	80.28	79.78	79.52	79.47	79.41	79.36	79.33	
16	79.43	79.58	80.88	79.73	80.18	80.21	79.74	79.52	79.47	79.41	79.35	79.35	
17	79.46	80.52	80.76	79.68	80.19	80.11	79.72	79.51	79.46	79.41	79.35	79.61	
18	79.57	80.18	80.39	79.65	80.10	80.10	79.70	79.51	79.46	79.41	79.35	79.52	
19	79.48	80.17	80.18	79.63	80.03	80.08	79.69	79.51	79.46	79.41	79.34	79.50	
20	79.45	80.23	80.18	79.62	80.01	80.00	79.67	79.51	79.46	79.41	79.34	79.46	
21	79.43	79.86	80.39	79.61	80.00	79.97	79.66	79.50	79.45	79.41	79.34	79.44	
22	79.42	79.72	80.35	79.71	79.97	80.42	79.65	79.50	79.45	79.40	79.33	79.42	
23	79.55	79.84	80.22	80.17	79.96	80.40	79.65	79.50	79.44	79.40	79.33	79.40	
24	79.67	80.70	80.08	80.07	79.94	80.13	79.64	79.50	79.44	79.40	79.33	79.40	
25	79.66	80.45	79.98	79.94	80.15	80.03	79.63	79.50	79.44	79.40	79.36	79.39	
26	80.22	80.36	79.90	79.81	80.21	79.99	79.62	79.50	79.44	79.40	79.36	79.38	
27	79.94	80.16	79.85	79.75	80.38	80.06	79.61	79.50	79.44	79.40	79.35	79.38	
28	80.54	79.98	79.81	79.75	80.37	80.21	79.61	79.51	79.44	79.40	79.35	79.37	
29	80.41	79.84	79.78	79.86	80.21	80.05	79.60	79.51	79.43	79.40	79.35	79.36	
30	80.68	79.83	79.76	79.88	80.21	80.10	79.60	79.50	79.43	79.40		79.35	
31		79.81		79.77	80.26		79.61		79.43	79.40		79.35	
MEAN	79.62	79.92	80.25	79.75	80.23	80.22	79.84	79.53	79.47	79.41	79.36	79.37	
MAX	80.68	80.70	81.34	80.17	81.12	80.51	80.78	79.59	79.51	79.43	79.40	79.61	81.34
MIN	79.41	79.58	79.76	79.61	79.74	79.97	79.60	79.50	79.43	79.40	79.33	79.32	79.32

ANNUAL MAX MOMENTARY GAGE HEIGHT 82.12 M (MSL), AT 22.00 HOURS, ON JUN 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 79.00 M (MSL), RIVER BED 79.15 M (MSL)
LEFT BANK ELEVATION 88.94 M (MSL)
RIGHT BANK ELEVATION 92.87 M (MSL), DRAINAGE AREA 2463 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.34	11.59	20.16	2.65	2.65	14.20	8.30	1.14	0.58	0.37	0.28	0.11	
2	0.34	5.44	12.46	2.40	2.65	9.22	6.52	1.08	0.64	0.37	0.28	0.08	
3	0.34	3.15	6.16	2.27	3.40	10.52	7.90	1.01	0.64	0.34	0.28	0.08	
4	0.34	2.05	5.08	2.05	3.15	21.72	17.50	1.01	0.58	0.37	0.28	0.08	
5	0.31	1.67	18.26	1.87	3.02	19.40	33.56	0.95	0.58	0.37	0.25	0.08	
6	0.31	1.39	16.51	1.87	8.50	15.19	13.04	0.89	0.58	0.37	0.25	0.08	
7	0.31	1.48	8.96	2.53	34.50	17.88	8.70	0.89	0.58	0.34	0.25	0.08	
8	0.31	1.58	6.34	2.65	39.93	21.30	7.30	0.83	0.55	0.34	0.22	0.06	
9	0.31	2.90	8.70	1.96	22.56	13.91	5.98	0.83	0.55	0.31	0.20	0.06	
10	0.31	3.28	13.91	1.67	27.65	14.53	5.26	0.77	0.55	0.31	0.17	0.08	
11	1.01	2.65	6.90	1.58	48.12	11.30	4.45	0.77	0.52	0.31	0.17	0.08	
12	1.20	2.40	6.70	2.05	51.60	13.04	4.00	0.77	0.49	0.31	0.17	0.08	
13	0.70	2.27	40.99	1.87	22.98	13.91	3.70	0.70	0.52	0.31	0.17	0.06	
14	0.58	1.87	65.12	2.53	14.53	15.85	3.40	0.70	0.49	0.31	0.17	0.06	
15	0.40	1.39	44.70	3.28	11.30	13.62	3.15	0.70	0.49	0.31	0.17	0.08	
16	0.37	1.08	38.42	2.53	10.78	11.59	2.65	0.70	0.49	0.31	0.14	0.14	
17	0.46	22.14	32.62	1.96	11.04	8.96	2.40	0.64	0.46	0.31	0.14	1.29	
18	1.01	10.78	17.17	1.67	8.70	8.70	2.15	0.64	0.46	0.31	0.14	0.70	
19	0.52	10.52	10.78	1.48	7.30	8.30	2.05	0.64	0.46	0.31	0.11	0.58	
20	0.43	12.17	10.78	1.39	6.90	6.70	1.87	0.64	0.46	0.31	0.11	0.46	
21	0.37	4.30	17.17	1.29	6.70	6.16	1.77	0.58	0.43	0.31	0.11	0.40	
22	0.34	2.40	15.85	2.27	6.16	18.26	1.67	0.58	0.43	0.28	0.08	0.34	
23	0.89	4.00	11.88	10.52	5.98	17.50	1.67	0.58	0.40	0.28	0.08	0.28	
24	1.87	29.80	8.30	8.10	5.62	9.48	1.58	0.58	0.40	0.28	0.08	0.28	
25	1.77	19.40	6.34	5.62	10.00	7.30	1.48	0.58	0.40	0.28	0.17	0.25	
26	11.88	16.18	4.90	3.55	11.59	6.52	1.39	0.58	0.40	0.28	0.17	0.22	
27	5.62	10.26	4.15	2.78	16.84	7.90	1.29	0.58	0.40	0.28	0.14	0.22	
28	22.98	6.34	3.55	2.78	16.51	11.59	1.29	0.64	0.40	0.28	0.14	0.20	
29	17.88	4.00	3.15	4.30	11.59	7.70	1.20	0.64	0.37	0.28	0.14	0.17	
30	28.94	3.85	2.90	4.60	11.59	8.70	1.20	0.58	0.37	0.28		0.14	
31		3.55		3.02	13.04		1.29		0.37	0.28		0.14	
TOTAL	102.44	205.88	468.91	91.09	456.88	370.95	159.71	22.22	15.04	9.70	5.06	6.96	1914.84 CMSDAY
MEAN	3.41	6.64	15.63	2.94	14.74	12.36	5.15	0.74	0.49	0.31	0.17	0.22	5.23 CMS
MAX	28.94	29.80	65.12	10.52	51.60	21.72	33.56	1.14	0.64	0.37	0.28	1.29	65.12 CMS
MIN	0.31	1.08	2.90	1.29	2.65	6.16	1.20	0.58	0.37	0.28	0.08	0.06	0.06 CMS
RUNOFF	8.851	17.788	40.514	7.870	39.474	32.050	13.799	1.920	1.299	0.838	0.437	0.601	165.442 MCM

MOMENTARY PEAK 132.82 CMS, AT 82.12 M (MSL), AT 22.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD 2.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 53.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

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

LOCATION — LAT. 18°-24'-00" N., LONG. 100°-51'-05" E., ON LEFT BANK ABOUT 25 KILOMETERS DOWNSTREAM FROM AMPHOE SA OFFICE, BETWEEN DOI KHON KAEN AND DOI CHAM HANG, AMPHOE SA, NAN.

DRAINAGE AREA — 10,335 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — IN THE VICINITY OF METEOROLOGICAL STATION.

ELEVATION — +12.354 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1966 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1966 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 84 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

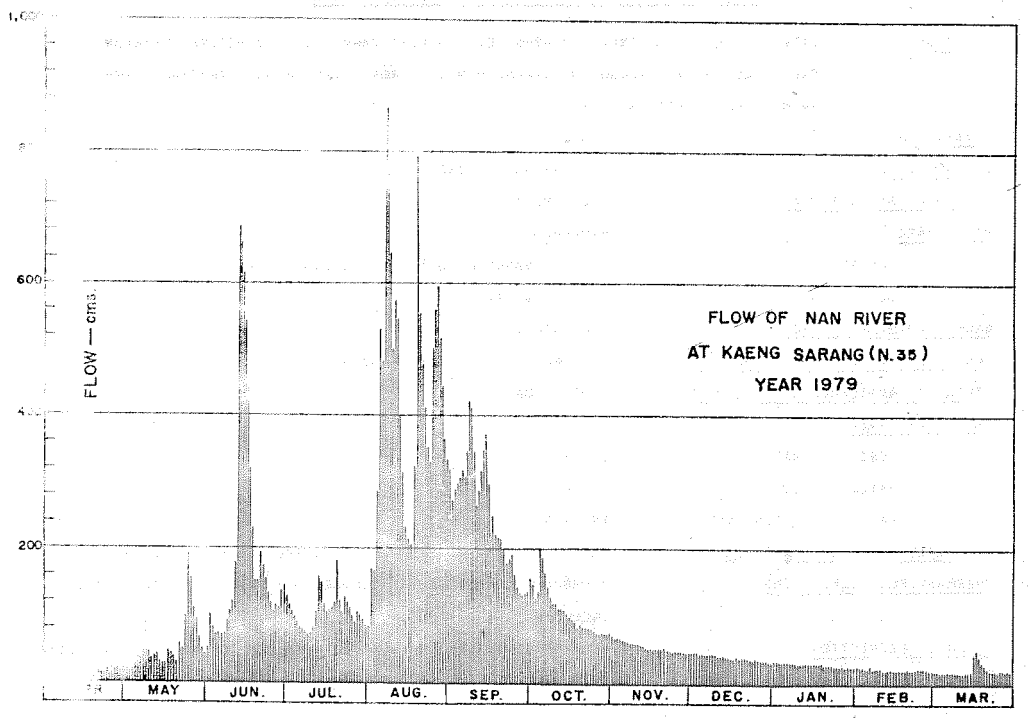
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.79	0.93	1.13	1.66	1.35	2.68	1.83	1.26	1.08	0.95	0.86	0.79	
2	0.78	1.01	1.48	1.54	1.90	2.48	1.78	1.24	1.08	0.95	0.85	0.79	
3	0.78	1.31	1.33	1.50	1.86	2.61	1.64	1.23	1.08	0.94	0.85	0.79	
4	0.78	1.25	1.27	1.44	2.38	2.66	1.74	1.23	1.07	0.94	0.85	0.79	
5	0.78	1.12	1.28	1.39	3.73	2.72	2.09	1.22	1.07	0.94	0.85	0.79	
6	0.77	0.99	1.26	1.33	3.49	2.65	2.01	1.21	1.06	0.93	0.85	0.79	
7	0.77	0.91	1.29	1.29	4.19	2.91	1.82	1.20	1.06	0.93	0.84	0.79	
8	0.77	1.44	1.29	1.29	5.20	3.24	1.71	1.19	1.05	0.93	0.83	0.79	
9	0.77	1.30	1.49	1.27	4.12	3.18	1.64	1.18	1.04	0.92	0.83	0.78	
10	0.77	1.04	1.60	1.33	3.60	2.73	1.60	1.18	1.03	0.92	0.83	0.78	
11	0.79	0.96	1.68	1.35	3.93	2.47	1.58	1.17	1.02	0.92	0.83	0.78	
12	0.78	1.12	2.33	1.57	3.81	2.70	1.56	1.16	1.02	0.92	0.83	0.77	
13	0.77	0.96	4.45	1.83	2.88	2.91	1.53	1.15	1.01	0.92	0.83	0.77	
14	0.83	0.90	4.34	1.82	2.46	2.99	1.49	1.14	1.01	0.91	0.83	0.78	
15	0.86	0.89	4.03	1.63	2.29	2.70	1.46	1.13	1.00	0.91	0.83	0.81	
16	0.87	0.89	3.49	1.50	2.21	2.42	1.44	1.13	1.00	0.91	0.82	1.05	
17	0.82	1.09	2.58	1.47	2.09	2.33	1.41	1.13	1.00	0.91	0.82	1.12	
18	0.81	1.04	2.08	1.54	2.38	2.21	1.40	1.13	1.00	0.91	0.82	0.99	
19	0.79	1.03	1.80	1.62	4.89	2.17	1.38	1.12	1.00	0.90	0.82	0.92	
20	0.78	0.93	1.82	1.97	4.09	2.03	1.36	1.12	0.99	0.90	0.82	0.87	
21	0.77	0.93	2.03	1.62	3.65	1.97	1.36	1.12	0.99	0.90	0.82	0.84	
22	0.79	1.16	1.93	1.51	3.25	1.98	1.36	1.11	0.98	0.89	0.83	0.82	
23	0.81	1.06	1.86	1.65	2.97	2.03	1.34	1.11	0.98	0.89	0.83	0.81	
24	0.82	1.79	1.71	1.60	2.76	1.90	1.32	1.11	0.98	0.89	0.83	0.80	
25	0.83	2.05	1.56	1.52	3.75	1.77	1.31	1.11	0.97	0.88	0.84	0.79	
26	0.85	1.71	1.51	1.45	3.90	1.71	1.30	1.11	0.97	0.88	0.82	0.79	
27	0.85	1.47	1.58	1.40	4.03	1.68	1.28	1.10	0.96	0.88	0.81	0.79	
28	0.91	1.38	1.55	1.47	3.60	1.70	1.27	1.10	0.96	0.88	0.81	0.82	
29	0.91	1.21	1.70	1.44	3.13	1.68	1.27	1.10	0.96	0.87	0.80	0.81	
30	0.91	1.10	1.76	1.41	2.84	1.69	1.29	1.09	0.95	0.87		0.83	
31		1.03		1.35	2.77		1.28		0.95	0.87		0.83	
MEAN	0.81	1.16	1.97	1.51	3.21	2.36	1.51	1.15	1.01	0.91	0.83	0.83	
MAX	0.91	2.05	4.45	1.97	5.20	3.24	2.09	1.26	1.08	0.95	0.86	1.12	5.20
MIN	0.77	0.89	1.13	1.27	1.35	1.68	1.27	1.09	0.95	0.87	0.80	0.77	0.77

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.40 M (A.D), AT 14.00 HOURS, ON AUG 8, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -1.50 M (A.D)

LEFT BANK ELEVATION — 12.38 M (A.D)

RIGHT BANK ELEVATION — 15.06 M (A.D), DRAINAGE AREA 10335 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	18.0	36.0	53.2	128.6	84.0	310.2	156.1	71.4	47.0	34.0	25.0	18.0	
2	17.0	40.0	102.2	110.6	168.0	272.4	147.8	68.6	47.0	34.0	24.0	18.0	
3	17.0	78.4	81.2	105.0	161.2	296.9	125.4	67.2	47.0	33.0	24.0	18.0	
4	17.0	70.0	72.8	96.6	254.4	306.4	141.4	67.2	46.0	33.0	24.0	18.0	
5	17.0	51.8	74.2	89.6	528.6	318.0	202.2	65.8	46.0	33.0	24.0	18.0	
6	16.0	38.0	71.4	81.2	475.8	304.5	187.8	64.4	45.0	32.0	24.0	18.0	
7	16.0	30.0	75.6	75.6	629.8	356.0	154.4	63.0	45.0	32.0	23.0	18.0	
8	16.0	96.6	75.6	75.6	868.0	422.4	136.6	61.6	44.0	32.0	22.0	18.0	
9	16.0	77.0	103.6	72.8	614.4	410.0	125.4	60.2	43.0	31.0	22.0	17.0	
10	16.	43.0	119.0	81.2	500.0	320.1	119.0	60.2	42.0	31.0	22.0	17.0	
11	18.0	35.0	131.8	84.0	572.6	270.6	116.2	58.8	41.0	31.0	22.0	17.0	
12	17.0	51.8	245.4	114.8	546.2	314.0	113.4	57.4	41.0	31.0	22.0	16.0	
13	16.0	35.0	688.0	156.1	350.0	356.0	109.2	56.0	40.0	31.0	22.0	16.0	
14	22.0	29.0	662.8	154.4	268.8	372.0	103.6	54.6	40.0	30.0	22.0	17.0	
15	25.0	28.0	594.6	123.8	238.2	314.0	99.4	53.2	39.0	30.0	22.0	20.0	
16	26.0	28.0	475.8	105.0	223.8	261.6	96.6	53.2	39.0	30.0	21.0	44.0	
17	21.0	48.0	291.2	100.8	202.2	245.4	92.4	53.2	39.0	30.0	21.0	51.8	
18	20.0	43.	200.4	110.6	254.4	223.8	91.0	53.2	39.0	30.0	21.0	38.0	
19	18.0	42.	151.0	122.2	793.6	216.6	88.2	51.8	39.0	29.0	21.0	31.0	
20	17.0	32.0	154.4	180.6	607.8	191.4	85.4	51.8	38.0	29.0	21.0	26.0	
21	16.0	32.0	191.4	122.2	511.0	180.6	85.4	51.8	38.0	29.0	21.0	23.0	
22	18.0	57.4	173.4	106.4	424.5	182.4	85.4	50.4	37.0	28.0	22.0	21.0	
23	20.0	45.0	161.2	127.0	368.0	191.4	82.6	50.4	37.0	28.0	22.0	20.0	
24	21.0	149.4	136.6	119.0	326.0	168.0	79.8	50.4	37.0	28.0	22.0	19.0	
25	22.0	195.0	113.4	107.8	533.0	146.2	78.4	50.4	36.0	27.0	23.0	18.0	
26	24.0	136.6	106.4	98.0	566.0	136.6	77.0	50.4	36.0	27.0	21.0	18.0	
27	24.0	100.8	116.2	91.0	594.6	131.8	74.2	49.0	35.0	27.0	20.0	18.0	
28	30.0	88.2	112.0	100.8	500.0	135.0	72.8	49.0	35.0	27.0	20.0	21.0	
29	30.0	64.4	135.0	96.6	400.0	131.8	72.8	49.0	35.0	26.0	19.0	20.0	
30	30.0	49.0	144.6	92.4	342.0	133.4	75.6	48.0	34.0	26.0		22.0	
31		42.0		84.0	328.0		74.2		34.0	26.0		22.0	
TOTAL	601.0	1888.4	5814.4	3314.3	13234.9	7619.4	3349.7	1691.6	1241.0	925.0	639.0	676.8	40995.5 CMSDAY
MEAN	20.0	60.9	193.8	106.9	426.9	254.0	108.1	56.4	40.0	29.8	22.0	21.8	112.0 CMS
MAX	30.0	195.0	688.0	180.6	868.0	422.4	202.2	71.4	47.0	34.0	25.0	51.8	868.0 CMS
MIN	16.0	28.0	53.2	72.8	84.0	131.8	72.8	48.0	34.0	26.0	19.0	16.0	16.0 CMS
RUNOFF	51.93	163.16	502.36	286.36	1143.49	658.32	289.41	146.15	107.22	79.92	55.21	58.48	3542.01 MCM

MOMENTARY PEAK 917.00 CMS, AT 5.40 M (A.D), AT 14.00 HOURS, ON AUG 8, 1979

RUNOFF YIELD 10.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 88.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

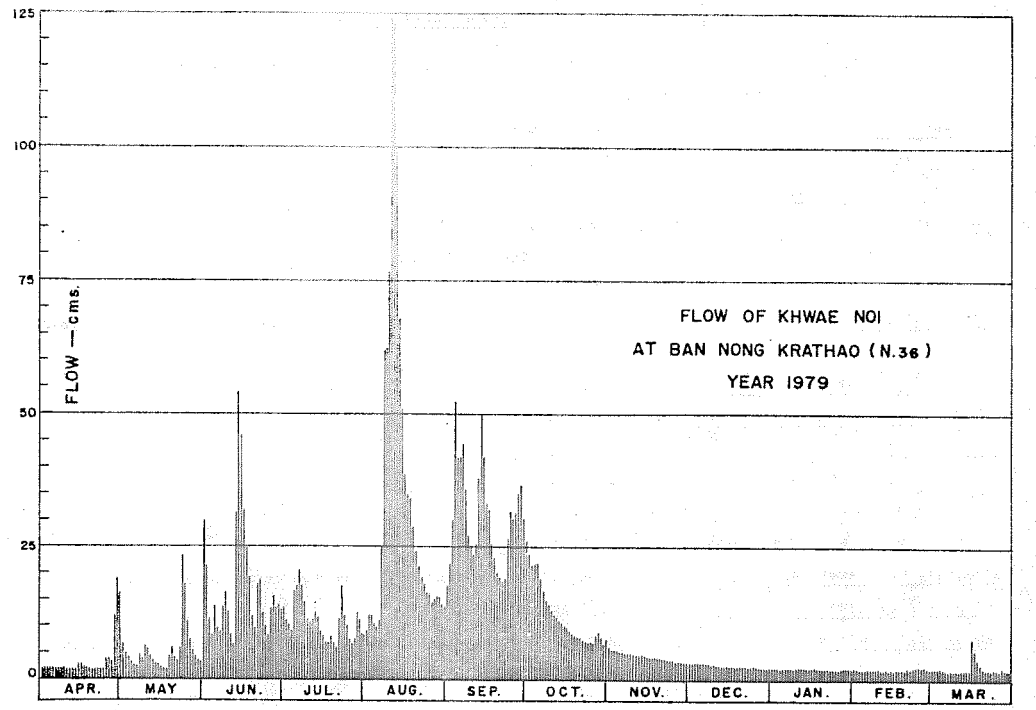
KHWAE NOI AT BAN NONG KRATHAO, PHITSANULOK (N.36)

LOCATION	LAT. 17°-04'-59" N., LONG. 100°-49'-55" E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM BELLY BRIDGE ALONG LOM SAK-NAKHON THAI ROAD, TAMBON NONG KRATHAO, AMPHOE NAKHON THAI, PHITSANULOK.
DRAINAGE AREA	1,651 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK ALONG THE MEASURING LINE.
ELEVATION	+6.154 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION + 6.92 M. (A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.67	1.76	2.86	1.78	1.38	2.18	2.61	1.15	0.88	0.76	0.72	0.72	
2	0.68	1.12	2.15	1.58	1.69	2.36	2.45	1.13	0.89	0.76	0.72	0.71	
3	0.68	0.97	1.41	1.53	1.69	2.98	2.31	1.11	0.87	0.77	0.72	0.70	
4	0.68	0.98	1.36	1.44	1.51	4.11	2.34	1.10	0.88	0.77	0.72	0.69	
5	0.67	0.84	1.79	2.04	1.49	3.53	2.35	1.09	0.87	0.76	0.72	0.69	
6	0.67	0.80	1.44	2.09	1.58	3.54	2.15	1.08	0.87	0.75	0.72	0.69	
7	0.67	0.82	1.42	2.28	2.98	3.68	2.02	1.06	0.86	0.74	0.72	0.68	
8	0.66	1.00	1.87	2.04	4.60	3.14	1.89	1.05	0.84	0.75	0.71	0.67	
9	0.65	0.95	2.01	1.83	4.62	2.69	1.82	1.04	0.83	0.75	0.71	0.67	
10	0.64	1.21	1.73	1.58	5.67	2.56	1.74	1.03	0.82	0.75	0.71	0.67	
11	0.67	1.13	1.35	1.55	6.71	2.44	1.67	1.03	0.82	0.75	0.72	0.66	
12	0.68	0.94	1.21	1.69	6.70	2.60	1.62	1.02	0.82	0.75	0.72	0.67	
13	0.67	0.91	3.21	1.84	5.76	3.65	1.58	1.02	0.83	0.74	0.73	0.67	
14	0.72	0.84	4.19	1.63	4.60	3.98	1.53	1.01	0.81	0.74	0.72	0.67	
15	0.84	0.78	3.74	1.44	3.77	3.53	1.50	0.99	0.81	0.74	0.73	0.69	
16	0.79	0.75	2.90	1.34	3.27	3.04	1.46	0.98	0.81	0.74	0.71	1.31	
17	0.74	0.73	2.44	1.26	3.14	2.89	1.42	0.97	0.81	0.74	0.71	1.08	
18	0.70	0.71	2.17	1.26	3.10	2.53	1.38	0.97	0.81	0.74	0.71	0.89	
19	0.68	1.04	1.63	1.34	2.75	2.34	1.35	0.96	0.81	0.73	0.71	0.80	
20	0.66	1.16	1.47	1.23	2.53	2.20	1.32	0.95	0.81	0.73	0.74	0.73	
21	0.65	0.92	2.07	1.15	2.35	2.14	1.30	0.95	0.80	0.73	0.75	0.70	
22	0.65	0.93	2.14	1.60	2.19	2.11	1.27	0.94	0.80	0.72	0.74	0.68	
23	0.67	1.27	1.67	2.05	2.11	2.17	1.25	0.93	0.80	0.73	0.75	0.67	
24	0.70	2.45	1.45	1.70	1.96	2.82	1.23	0.92	0.80	0.73	0.80	0.72	
25	0.90	2.03	1.32	1.56	1.93	2.99	1.26	0.92	0.79	0.72	0.79	0.67	
26	0.90	1.50	1.78	1.30	1.85	2.89	1.24	0.91	0.78	0.72	0.78	0.69	
27	0.82	1.22	1.92	1.24	1.89	3.00	1.36	0.90	0.77	0.73	0.76	0.71	
28	1.60	1.06	1.76	1.34	1.93	3.19	1.41	0.89	0.77	0.75	0.74	0.67	
29	2.17	0.96	1.83	1.76	1.92	3.26	1.28	0.89	0.77	0.74	0.75	0.66	
30	2.04	0.90	1.73	1.59	1.82	2.90	1.22	0.87	0.77	0.74		0.65	
31		0.95		1.36	1.78		1.29		0.77	0.73		0.65	
MEAN	0.83	1.08	2.00	1.59	2.94	2.91	1.63	1.00	0.82	0.74	0.73	0.73	
MAX	2.17	2.45	4.19	2.28	6.71	4.11	2.61	1.15	0.89	0.77	0.80	1.31	6.71
MIN	0.64	0.71	1.21	1.15	1.38	2.11	1.22	0.87	0.77	0.72	0.71	0.65	0.64

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.94 M (A.D), AT 21.00 HOURS, ON AUG 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.21 M (A.D)
LEFT BANK ELEVATION 6.98 M (A.D)
RIGHT BANK ELEVATION 6.99 M (A.D), DRAINAGE AREA 1651 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.82	13.64	30.02	13.92	8.76	19.70	26.15	6.15	3.36	2.36	2.12	2.12	
2	1.88	5.82	19.25	11.16	12.66	22.40	23.75	5.93	3.45	2.36	2.12	2.06	
3	1.88	4.21	9.12	10.56	12.66	32.06	21.65	5.71	3.26	2.42	2.12	2.00	
4	1.88	4.31	8.52	9.48	10.32	52.60	22.10	5.60	3.36	2.42	2.12	1.94	
5	1.82	2.98	14.06	17.60	10.08	41.84	22.25	5.49	3.26	2.36	2.12	1.94	
6	1.82	2.60	9.48	18.35	11.16	42.02	19.25	5.38	3.26	2.30	2.12	1.94	
7	1.82	2.79	9.24	21.20	32.06	44.54	17.30	5.16	3.17	2.24	2.12	1.88	
8	1.76	4.50	15.18	17.60	62.40	34.82	15.46	5.05	2.98	2.30	2.06	1.82	
9	1.70	4.02	17.15	14.62	62.82	27.35	14.48	4.94	2.88	2.30	2.06	1.82	
10	1.64	6.81	13.22	11.16	85.25	25.40	13.36	4.83	2.79	2.30	2.06	1.82	
11	1.82	5.93	8.40	10.80	123.59	23.60	12.38	4.83	2.79	2.30	2.12	1.76	
12	1.88	3.93	6.81	12.66	123.10	26.00	11.68	4.72	2.79	2.30	2.12	1.82	
13	1.82	3.64	36.08	14.76	87.80	44.00	11.16	4.72	2.88	2.24	2.18	1.82	
14	2.12	2.98	54.20	11.82	62.40	50.02	10.56	4.61	2.69	2.24	2.18	1.82	
15	2.98	2.48	45.62	9.48	46.16	41.84	10.20	4.40	2.69	2.24	2.18	1.94	
16	2.54	2.30	30.70	8.28	37.16	33.08	9.72	4.31	2.69	2.24	2.06	7.92	
17	2.24	2.18	23.60	7.36	34.82	30.53	9.24	4.21	2.69	2.24	2.06	5.38	
18	2.00	2.06	19.55	7.36	34.10	24.95	8.76	4.21	2.69	2.24	2.06	3.45	
19	1.88	4.94	11.82	8.28	28.25	22.10	8.40	4.12	2.69	2.18	2.06	2.60	
20	1.76	6.26	9.84	7.03	24.95	20.00	8.04	4.02	2.69	2.18	2.24	2.18	
21	1.70	3.74	18.05	6.15	22.25	19.10	7.80	4.02	2.60	2.18	2.30	2.00	
22	1.70	3.83	19.10	11.40	19.85	18.65	7.47	3.93	2.60	2.12	2.24	1.88	
23	1.82	7.47	12.38	17.75	18.65	19.55	7.25	3.83	2.60	2.18	2.30	1.82	
24	2.00	23.75	9.60	12.80	16.44	29.34	7.03	3.74	2.60	2.18	2.60	2.12	
25	3.55	17.45	8.04	10.92	16.02	32.23	7.36	3.74	2.54	2.12	2.54	1.82	
26	3.55	10.20	13.92	7.80	14.90	30.53	7.14	3.64	2.48	2.12	2.48	1.94	
27	2.79	6.92	15.88	7.14	15.46	32.40	8.52	3.55	2.42	2.18	2.36	2.06	
28	11.40	5.16	13.64	8.28	16.02	35.72	9.12	3.45	2.42	2.30	2.24	1.82	
29	19.55	4.12	14.62	13.64	15.88	36.98	7.58	3.45	2.42	2.24	2.30	1.76	
30	17.60	3.55	13.22	11.28	14.48	30.70	6.92	3.26	2.42	2.24		1.70	
31		4.02		8.52	13.92		7.69		2.42	2.18		1.70	
TOTAL	104.72	178.59	530.31	359.16	1094.37	944.05	379.77	135.00	86.58	69.80	63.64	70.65	4016.63 CMSDAY
MEAN	3.49	5.76	17.68	11.59	35.30	31.47	12.25	4.50	2.79	2.25	2.19	2.28	10.97 CMS
MAX	19.55	23.75	54.20	21.20	123.59	52.60	26.15	6.15	3.45	2.42	2.60	7.92	123.59 CMS
MIN	1.64	2.06	6.81	6.15	8.76	18.65	6.92	3.26	2.42	2.12	2.06	1.70	1.64 CMS
RUNOFF	9.048	15.430	45.819	31.031	94.553	81.566	32.812	11.664	7.481	6.031	5.498	6.104	347.037 MCM

MOMENTARY PEAK 135.34 CMS, AT 6.94 M (A.D), AT 21.00 HOURS, ON AUG 11, 1979

RUNOFF YIELD 6.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 81.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAN RIVER AT BAN THAP KRIT, NAKHON SAWAN (N.37)

LOCATION — LAT. 15°-45'-19" N., LONG. 100°-15'-35" E., ON LEFT BANK INFRONT OF WAT THAP KRIT, AMPHOE CHUM SAENG, NAKHON SAWAN.

DRAINAGE AREA — 56,214 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE TOP STAFF GAGE.

ELEVATION — +7.121 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1974

RATED BY FLOAT —

RATED BY CURRENT METER — 1967-1974

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 248 DISCHARGE MEASUREMENTS MADE DURING 1967-1974.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

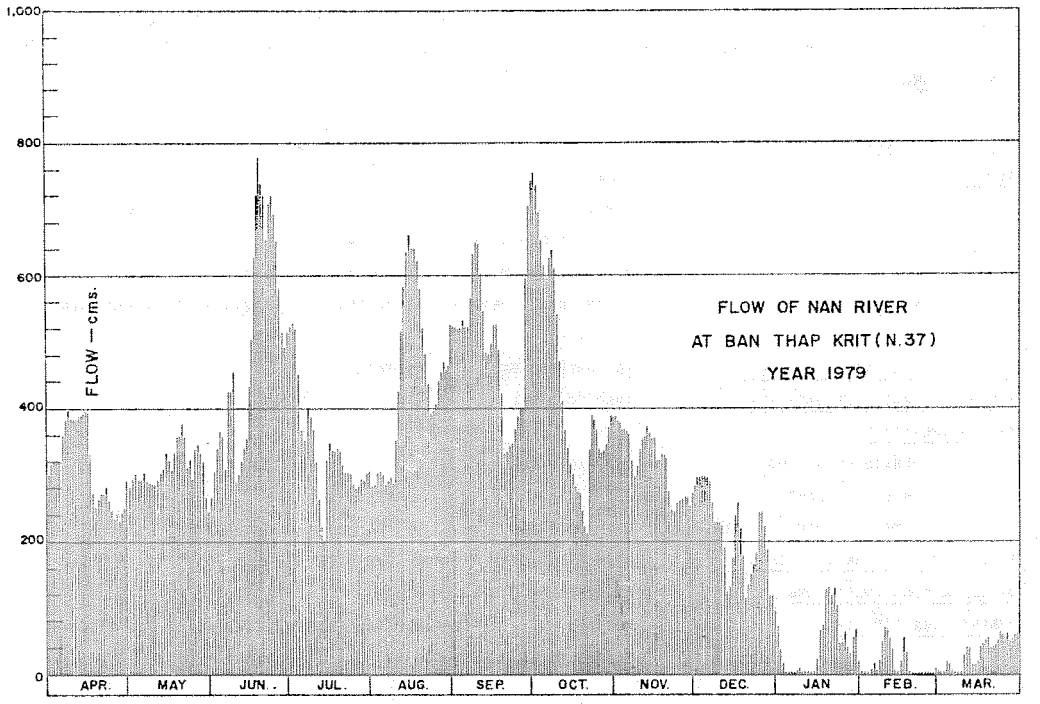
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.22	2.03	1.95	3.26	2.05	3.27	4.36	2.59	2.12	0.78	0.28	0.26	
2	2.24	2.11	2.20	3.29	2.07	3.24	4.27	2.55	2.12	0.54	-0.20	0.23	
3	2.26	2.16	2.35	3.25	2.16	3.24	4.09	2.53	2.13	0.35	-0.35	0.22	
4	2.26	2.10	2.47	2.90	2.17	3.31	3.89	2.49	2.13	0.18	0.15	0.39	
5	2.37	2.09	2.43	2.50	2.15	3.27	3.70	2.47	2.12	0.07	0.30	0.28	
6	2.45	2.11	2.19	2.41	2.07	3.24	3.62	2.45	2.09	0.05	0.37	0.20	
7	2.57	2.15	2.77	2.50	2.11	3.48	3.76	2.24	1.90	0.19	0.26	0.06	
8	2.63	2.08	2.77	2.63	2.13	3.77	3.81	2.12	1.75	0.29	0.41	0.10	
9	2.56	2.08	2.91	2.58	2.08	3.87	3.68	2.19	1.75	0.31	0.64	0.13	
10	2.55	2.04	2.08	2.47	2.41	3.85	3.35	2.33	1.69	0.22	0.77	0.45	
11	2.58	2.09	2.14	2.24	2.79	3.68	2.99	2.41	1.72	0.11	0.73	0.56	
12	2.59	2.15	2.25	1.94	3.23	3.37	2.69	2.44	1.51	0.17	0.64	0.55	
13	2.60	2.16	2.35	1.70	3.58	3.06	2.48	2.52	1.13	0.11	0.53	0.34	
14	2.63	2.23	2.42	1.61	3.80	3.04	2.34	2.45	1.19	0.11	0.27	0.34	
15	2.61	2.31	2.84	2.06	3.93	3.14	2.23	2.42	1.44	0.10	0.14	0.40	
16	2.31	2.26	3.17	2.39	3.83	3.28	2.14	2.26	1.80	0.41	0.40	0.56	
17	1.98	2.18	3.76	2.33	3.83	3.29	2.06	2.25	1.91	0.74	0.67	0.59	
18	1.87	2.34	4.21	2.33	3.75	3.08	1.99	2.30	1.69	0.93	0.50	0.64	
19	1.94	2.44	4.46	2.35	3.53	2.76	1.87	2.30	1.47	1.15	0.26	0.66	
20	1.98	2.46	4.28	2.32	3.25	2.35	1.73	2.27	1.07	1.16	0.06	0.56	
21	1.99	2.53	4.21	2.24	3.06	2.33	1.66	2.00	1.21	1.08	-0.10	0.56	
22	2.03	2.42	4.08	2.17	2.83	2.39	2.16	1.85	1.30	1.17	-0.05	0.59	
23	1.93	2.19	4.15	2.16	2.61	2.39	2.59	1.84	1.40	0.99	-0.11	0.71	
24	1.83	2.26	4.20	2.15	2.63	2.49	2.56	1.90	1.50	0.61	-0.03	0.72	
25	1.78	2.11	4.07	2.07	2.68	2.59	2.49	1.94	1.83	0.62	0.07	0.66	
26	1.82	2.34	3.87	2.03	2.85	2.66	2.34	1.95	1.83	0.71	0.15	0.71	
27	1.74	2.37	3.54	2.06	2.91	2.64	2.32	1.97	1.73	0.56	0.16	0.63	
28	1.83	2.30	3.21	2.11	3.00	3.61	2.37	1.95	1.52	0.49	0.17	0.66	
29	1.87	2.24	3.11	2.09	2.93	4.13	2.50	1.89	1.09	0.67	0.21	0.70	
30	2.09	1.96	3.22	2.15	3.03	4.30	2.60	1.99	1.09	0.74		0.72	
31		1.84		2.17	3.28		2.58		0.93	0.39		0.76	
MEAN	2.20	2.20	3.12	2.34	2.86	3.17	2.81	2.23	1.62	0.52	0.25	0.48	
MAX	2.63	2.53	4.46	3.29	3.93	4.30	4.36	2.59	2.13	1.17	0.77	0.76	4.46
MIN	1.74	1.84	1.95	1.61	2.05	2.33	1.66	1.84	0.93	0.05	-0.35	0.06	-0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT — 4.47 M (A.D), AT 19.00 HOURS, ON JUN 19, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — -4.96 M (A.D)

LEFT BANK ELEVATION — 7.11 M (A.D)

RIGHT BANK ELEVATION — 7.42 M (A.D), DRAINAGE AREA — 56214 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	314.8	279.4	265.0	522.0	283.0	524.0	754.2	388.0	295.8	72.0	6.4	4.8	
2	318.6	293.9	311.0	528.0	286.6	518.0	734.4	380.0	295.8	37.2	0.0	2.4	
3	322.4	303.4	340.0	520.0	303.4	518.0	695.9	376.0	297.7	14.0	0.0	1.6	
4	322.4	292.0	364.0	450.0	305.3	532.1	653.9	368.0	297.7	0.0	0.0	18.8	
5	344.0	290.2	356.0	370.0	301.5	524.9	614.0	364.0	295.8	0.0	8.0	6.4	
6	360.0	293.9	309.1	352.0	286.6	518.0	597.2	360.0	290.2	0.0	16.4	0.0	
7	384.0	301.5	424.0	370.0	293.9	567.8	626.6	318.6	256.0	0.0	4.8	0.0	
8	396.0	288.4	424.0	396.0	297.7	628.7	637.1	295.8	229.0	7.2	21.2	0.0	
9	382.0	288.4	452.0	386.0	288.4	649.7	609.8	309.2	229.0	9.2	51.0	0.0	
10	380.0	281.2	288.4	364.0	352.0	645.5	540.5	336.0	218.2	1.6	70.5	26.0	
11	386.0	290.2	299.6	318.6	428.0	609.8	468.0	352.0	223.6	0.0	64.5	39.8	
12	388.0	301.5	320.5	263.2	516.0	544.7	408.0	358.0	185.8	0.0	51.0	38.5	
13	390.0	303.4	340.0	220.0	588.8	482.0	366.0	374.0	124.5	0.0	35.9	12.8	
14	396.0	316.7	354.0	203.8	635.0	478.0	338.0	360.0	133.5	0.0	5.6	12.8	
15	392.0	332.0	438.0	284.8	662.3	498.0	316.7	354.0	173.8	0.0	0.0	20.0	
16	332.0	322.4	504.0	348.0	641.3	526.0	299.6	322.4	238.0	21.2	20.0	39.8	
17	270.4	307.2	626.6	336.0	641.3	528.0	284.8	320.5	257.8	66.0	55.5	43.7	
18	250.6	338.0	721.2	336.0	624.5	486.0	272.2	330.0	218.2	94.5	32.0	51.0	
19	263.2	358.0	776.2	340.0	578.3	422.0	250.6	330.0	178.9	127.5	4.8	54.0	
20	270.4	362.0	736.6	334.0	520.0	340.0	225.4	324.3	115.5	129.0	0.0	39.8	
21	272.2	376.0	721.2	318.6	482.0	336.0	212.8	274.0	136.6	117.0	0.0	39.8	
22	279.4	354.0	693.8	305.3	436.0	348.0	303.4	247.0	151.0	130.5	0.0	43.7	
23	261.4	309.1	708.5	303.4	392.0	348.0	388.0	245.2	167.0	103.5	0.0	61.5	
24	243.4	322.4	719.0	301.5	396.0	368.0	382.0	256.0	184.0	46.5	0.0	63.0	
25	234.4	293.9	691.7	286.6	406.0	388.0	368.0	263.2	243.4	48.0	0.0	54.0	
26	241.6	338.0	649.7	279.4	440.0	402.0	338.0	265.0	243.4	61.5	0.0	61.5	
27	227.2	344.0	580.4	284.8	452.0	398.0	334.0	268.6	225.4	39.8	0.0	49.5	
28	243.4	330.0	512.0	293.9	470.0	595.1	344.0	265.0	187.6	30.8	0.0	54.0	
29	250.6	318.6	492.0	290.2	456.0	704.3	370.0	254.2	118.5	55.5	0.8	60.0	
30	290.2	266.8	514.0	301.5	476.0	741.0	390.0	272.2	118.5	66.0		63.0	
31		245.2		305.3	526.0		386.0		94.5	18.8		69.0	
TOTAL	9406.6	9641.7	14932.5	10512.9	13765.9	15168.7	13509.1	9531.1	6424.7	1297.3	448.4	1031.2	105670.0 CMSDAY
MEAN	313.6	311.0	497.7	339.1	444.1	505.6	435.8	317.7	207.2	41.8	15.5	33.3	288.7 CMS
MAX	396.0	376.0	776.2	528.0	662.3	741.0	754.2	388.0	297.7	130.5	70.5	69.0	776.2 CMS
MIN	227.2	245.2	265.0	203.8	283.0	336.0	212.8	245.2	94.5	0.0	0.0	0.0	0.0 CMS
RUNOFF	812.73	833.04	1290.17	908.31	1189.37	1310.58	1167.19	823.49	555.09	112.09	38.74	89.10	9129.88 MCM

MOMENTARY PEAK 778.40 CMS, AT 4.47 M (A.D), AT 19.00 HOURS, ON JUN 19, 1979

RUNOFF YIELD 5.14 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

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

LOCATION — LAT. 17°13'14" N., LONG. 100°21'10" E., ON LEFT BANK ABOUT 2 KILOMETERS UPSTREAM FROM BAN NONG BON, AMPHOE WAT BOT, PHITSANULOK.

DRAINAGE AREA — 4,340 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — B.M.1 ABOUT 4 METERS SOUTH OF THE GAGE SITE, B.M.2 ABOUT 90 METERS SOUTH OF THE GAGE SITE.

ELEVATION — B.M.1=+14.45 M. (A.D.), B.M.2=+14.40 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 212 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

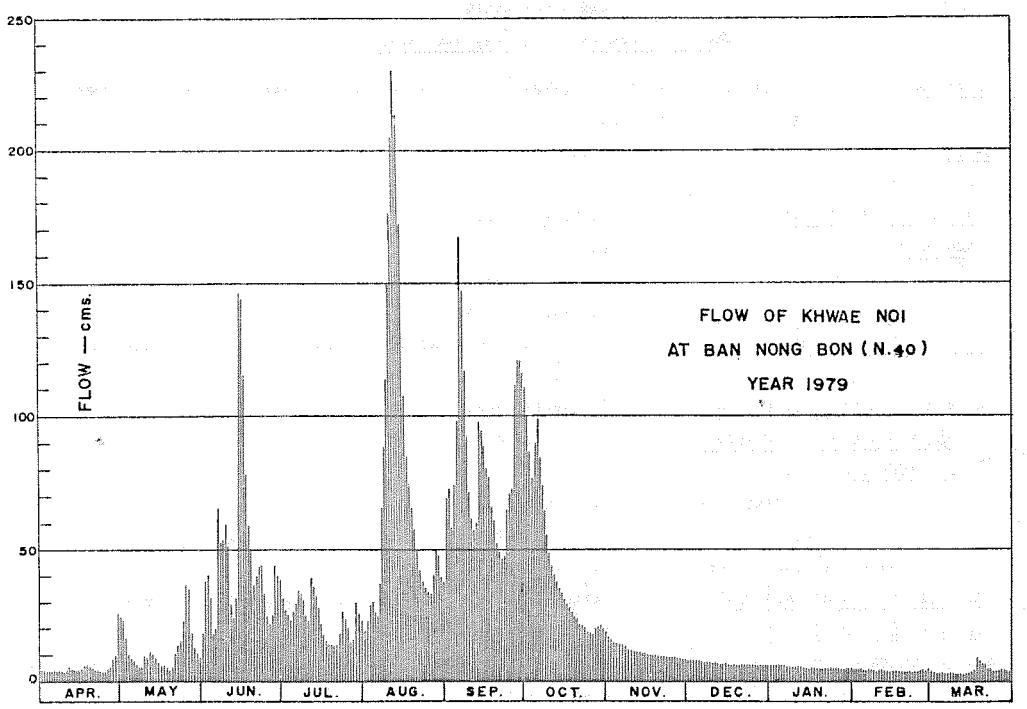
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	1.43	1.60	1.70	1.30	2.83	3.72	1.19	0.84	0.74	0.65	0.61	
2	0.62	1.40	1.97	1.58	1.38	2.92	3.40	1.17	0.83	0.73	0.65	0.60	
3	0.61	1.09	2.01	1.49	1.65	2.53	2.98	1.13	0.83	0.73	0.65	0.59	
4	0.61	0.89	1.52	1.42	1.70	3.10	3.20	1.11	0.83	0.73	0.64	0.58	
5	0.60	0.81	1.24	1.57	1.55	3.48	3.51	1.09	0.82	0.73	0.63	0.57	
6	0.60	0.77	1.45	1.71	1.49	4.73	3.27	1.08	0.81	0.73	0.63	0.57	
7	0.60	0.71	2.69	1.84	2.19	4.38	2.99	1.06	0.80	0.72	0.63	0.57	
8	0.60	0.68	2.35	1.76	3.28	3.71	2.65	1.04	0.80	0.72	0.62	0.57	
9	0.60	0.71	2.58	1.67	3.99	3.11	2.41	1.03	0.79	0.71	0.62	0.57	
10	0.60	0.91	2.52	1.49	4.60	2.72	2.21	1.02	0.79	0.70	0.62	0.57	
11	0.74	0.88	1.78	1.40	5.32	2.50	2.08	1.02	0.78	0.70	0.62	0.57	
12	0.65	0.97	1.47	1.97	5.68	2.53	1.98	1.00	0.78	0.70	0.62	0.56	
13	0.62	0.89	1.43	1.82	5.54	3.50	1.88	0.99	0.77	0.69	0.62	0.56	
14	0.62	0.82	2.55	1.72	5.22	3.45	1.81	0.98	0.77	0.69	0.62	0.56	
15	0.64	0.78	4.40	1.54	4.49	3.34	1.73	0.96	0.76	0.69	0.62	0.55	
16	0.63	0.75	4.34	1.33	3.69	3.08	1.67	0.95	0.76	0.68	0.61	0.60	
17	0.70	0.70	3.22	1.20	3.12	3.02	1.61	0.94	0.76	0.68	0.61	0.63	
18	0.71	0.66	2.66	1.12	2.92	2.73	1.55	0.93	0.76	0.68	0.61	0.87	
19	0.67	0.65	2.17	1.09	2.73	2.55	1.50	0.92	0.76	0.68	0.61	0.83	
20	0.65	0.64	1.85	1.09	2.46	2.36	1.45	0.92	0.76	0.68	0.60	0.75	
21	0.63	0.92	2.01	1.06	2.25	2.27	1.41	0.91	0.76	0.68	0.60	0.69	
22	0.60	1.08	2.12	1.12	2.08	2.17	1.36	0.90	0.76	0.68	0.60	0.66	
23	0.60	1.11	2.12	1.35	1.93	2.31	1.32	0.90	0.76	0.67	0.60	0.63	
24	0.59	1.33	1.79	1.55	1.84	2.84	1.29	0.89	0.76	0.67	0.61	0.61	
25	0.59	1.89	1.49	1.44	1.76	2.87	1.27	0.88	0.76	0.67	0.61	0.60	
26	0.64	1.81	1.37	1.32	1.78	2.96	1.27	0.87	0.75	0.67	0.61	0.60	
27	0.74	1.43	1.46	1.15	2.03	3.87	1.38	0.86	0.75	0.67	0.65	0.65	
28	0.89	1.16	2.12	1.19	2.28	3.96	1.37	0.86	0.75	0.66	0.65	0.63	
29	0.90	1.00	2.00	1.68	2.23	3.91	1.38	0.85	0.75	0.66	0.62	0.61	
30	1.50	0.89	1.92	1.50	1.96	3.78	1.32	0.84	0.74	0.65		0.61	
31		0.89		1.43	1.90		1.24		0.74	0.65		0.60	
MEAN	0.68	0.99	2.14	1.46	2.79	3.12	2.01	0.98	0.78	0.69	0.62	0.62	
MAX	1.50	1.89	4.40	1.97	5.68	4.73	3.72	1.19	0.84	0.74	0.65	0.87	5.68
MIN	0.59	0.64	1.24	1.06	1.30	2.17	1.24	0.84	0.74	0.65	0.60	0.55	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.74 M (A.D.), AT 18.00 HOURS, ON AUG 12, 1979

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

LEFT BANK ELEVATION M (A.D.)

RIGHT BANK ELEVATION M (A.D.), DRAINAGE AREA 4340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.36	23.40	28.50	31.50	19.70	70.54	109.36	16.74	8.68	6.60	4.90	4.18	
2	4.36	22.50	39.74	27.90	21.94	73.96	94.50	16.22	8.46	6.40	4.90	4.00	
3	4.18	14.18	41.03	25.20	30.00	59.14	76.24	15.18	8.46	6.40	4.90	3.82	
4	4.18	9.78	26.10	23.10	31.50	81.00	85.50	14.66	8.46	6.40	4.72	3.64	
5	4.00	8.02	18.08	27.60	27.00	98.10	99.47	14.18	8.24	6.40	4.54	3.46	
6	4.00	7.20	24.00	31.80	25.20	166.66	88.65	13.96	8.02	6.40	4.54	3.46	
7	4.00	6.00	65.22	35.70	46.97	145.32	76.62	13.52	7.80	6.20	4.54	3.46	
8	4.00	5.44	52.40	33.30	89.10	108.88	63.70	13.08	7.80	6.20	4.36	3.46	
9	4.00	6.00	61.04	30.60	123.46	81.45	54.58	12.86	7.60	6.00	4.36	3.46	
10	4.00	10.22	58.76	25.20	158.60	66.36	47.63	12.64	7.60	5.80	4.36	3.46	
11	6.60	9.56	33.90	22.50	205.40	58.00	43.34	12.64	7.40	5.80	4.36	3.46	
12	4.90	11.54	24.60	39.74	230.60	59.14	40.06	12.20	7.40	5.80	4.36	3.28	
13	4.36	9.78	23.40	35.10	220.80	99.00	36.90	11.98	7.20	5.62	4.36	3.28	
14	4.36	8.24	59.90	32.10	198.40	96.75	34.80	11.76	7.20	5.62	4.36	3.28	
15	4.72	7.40	146.50	26.70	151.81	91.80	32.40	11.32	7.00	5.62	4.36	3.10	
16	4.54	6.80	142.96	20.54	107.93	80.20	30.60	11.10	7.00	5.44	4.18	4.00	
17	5.80	5.80	86.40	17.00	81.90	77.80	28.80	10.38	7.00	5.44	4.18	4.54	
18	6.00	5.08	64.08	14.92	73.96	66.74	27.00	10.66	7.00	5.44	4.18	9.34	
19	5.26	4.90	46.31	14.18	66.74	59.90	25.50	10.44	7.00	5.44	4.18	8.46	
20	4.90	4.72	36.00	14.18	56.48	52.76	24.00	10.44	7.00	5.44	4.00	6.80	
21	4.54	10.44	41.03	13.52	48.95	49.61	22.80	10.22	7.00	5.44	4.00	5.62	
22	4.00	13.96	44.66	14.92	43.34	46.31	21.38	10.00	7.00	5.44	4.00	5.08	
23	4.00	14.66	44.66	21.10	38.46	50.96	20.26	10.00	7.00	5.26	4.00	4.54	
24	3.82	20.54	34.20	27.00	35.70	70.92	19.43	9.78	7.00	5.26	4.18	4.18	
25	3.82	37.20	25.20	23.70	33.30	72.06	18.89	9.56	7.00	5.26	4.18	4.00	
26	4.72	34.80	21.66	20.26	33.90	75.48	18.89	9.34	6.80	5.26	4.18	4.00	
27	6.60	23.40	24.30	15.70	41.69	116.98	21.94	9.12	6.80	5.26	4.90	4.90	
28	9.78	15.96	44.66	16.74	49.94	121.84	21.66	9.12	6.80	5.08	4.90	4.54	
29	10.00	12.20	40.70	30.90	48.29	119.14	21.94	8.90	6.80	5.08	4.36	4.18	
30	25.50	9.78	38.14	25.50	39.42	112.24	20.26	8.68	6.60	4.90		4.18	
31		9.78		23.40	37.50		18.08		6.60	4.90		4.00	
TOTAL	169.30	389.28	1438.13	761.60	2417.98	2529.04	1345.18	351.18	227.72	175.60	127.34	135.16	10067.49 CMSDAY
MEAN	5.64	12.56	47.94	24.57	78.00	84.30	43.39	11.71	7.35	5.66	4.39	4.36	27.51 CMS
MAX	25.50	37.20	146.50	39.74	230.60	166.66	109.36	16.74	8.68	6.60	4.90	9.34	230.60 CMS
MIN	3.82	4.72	18.08	13.52	19.70	46.31	18.08	8.68	6.60	4.90	4.00	3.10	3.10 CMS
RUNOFF	14.628	33.634	124.254	65.802	208.913	218.509	116.223	30.342	19.675	15.172	11.002	11.678	869.831 MCM

MOMENTARY PEAK 234.80 CMS, AT 5.74 M (A.D), AT 18.00 HOURS, ON AUG 12, 1979

RUNOFF YIELD 6.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 54.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

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

LOCATION	LAT. 18°-34'-08" N., LONG. 100°-52'-28" E., ON RIGHT BANK AT BAN HAT KHAO SAN, TAMBON LAI NAN, AMPHOE SA, NAN.
DRAINAGE AREA	2,107 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	TOP OF THE GAGE SITE.
ELEVATION	+11.892 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 133 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

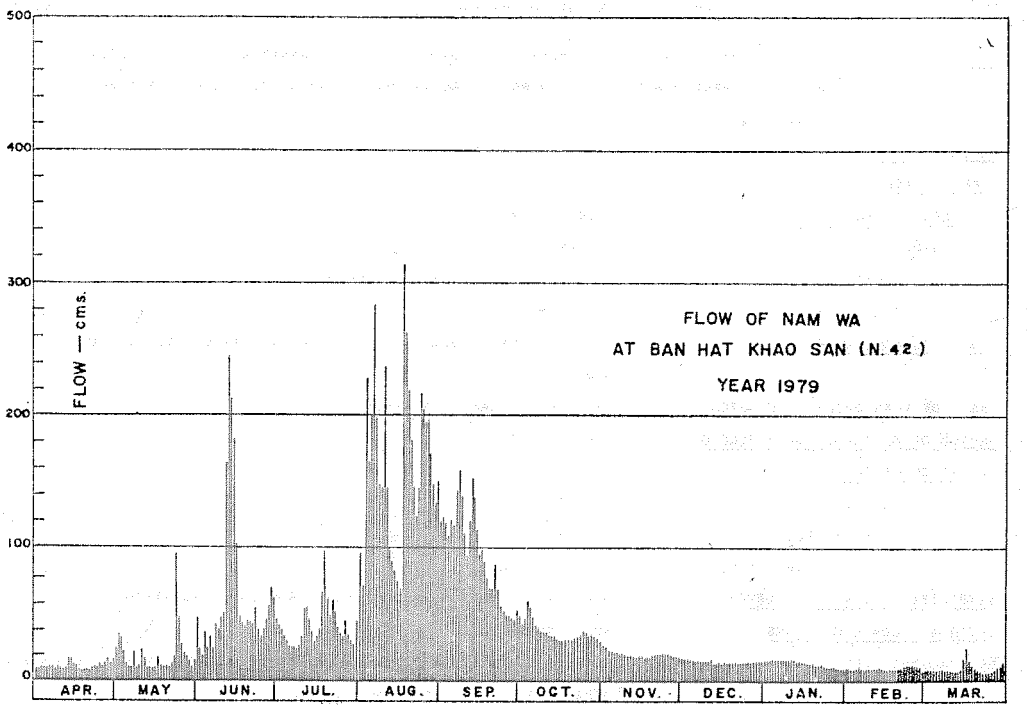
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.97	1.18	1.58	1.57	1.87	2.48	1.60	1.29	1.13	1.10	1.00	0.99	
2	0.98	1.42	1.22	1.51	2.20	2.50	1.51	1.26	1.12	1.10	1.00	0.98	
3	0.98	1.40	1.16	1.46	1.90	2.46	1.55	1.24	1.11	1.11	1.00	0.98	
4	0.98	1.18	1.43	1.39	3.69	2.35	1.76	1.22	1.11	1.11	1.00	0.98	
5	0.98	1.05	1.26	1.33	3.01	2.48	1.66	1.21	1.10	1.11	1.00	0.98	
6	0.98	1.00	1.38	1.29	3.58	2.42	1.56	1.20	1.10	1.11	1.00	0.98	
7	0.98	0.98	1.21	1.26	4.16	2.75	1.50	1.19	1.09	1.11	0.99	0.98	
8	0.98	1.22	1.50	1.29	3.21	2.92	2.46	1.18	1.09	1.11	0.99	0.98	
9	0.98	1.00	1.46	1.25	2.82	2.61	1.43	1.17	1.08	1.11	0.99	0.98	
10	0.97	0.99	1.62	1.34	2.77	2.36	1.41	1.17	1.08	1.11	0.99	0.98	
11	0.97	1.24	1.55	1.41	3.78	2.17	1.40	1.16	1.08	1.11	1.00	0.98	
12	0.97	1.13	3.14	1.70	2.73	2.65	1.39	1.16	1.08	1.10	1.00	0.98	
13	1.09	0.99	3.84	1.68	2.25	2.84	1.37	1.15	1.07	1.10	1.00	0.99	
14	1.00	0.99	3.28	1.47	2.03	2.62	1.36	1.15	1.07	1.09	1.00	1.00	
15	1.03	0.98	2.96	1.40	2.02	2.24	1.35	1.15	1.07	1.08	0.99	1.07	
16	0.99	0.98	2.11	1.34	1.91	2.16	1.34	1.15	1.07	1.07	0.99	1.29	
17	0.97	1.14	1.70	1.41	1.84	2.22	1.34	1.15	1.07	1.06	0.99	1.10	
18	0.97	1.02	1.52	1.56	4.40	2.06	1.34	1.15	1.07	1.06	0.99	1.02	
19	0.97	1.01	1.48	2.21	3.96	1.96	1.34	1.15	1.07	1.05	1.00	0.99	
20	0.96	1.02	1.55	2.00	3.84	1.86	1.35	1.15	1.07	1.04	1.00	0.98	
21	0.96	1.01	1.53	1.60	3.21	1.86	1.38	1.15	1.07	1.03	1.00	0.97	
22	0.99	1.04	1.51	1.70	2.79	2.06	1.39	1.16	1.07	1.03	1.01	0.97	
23	1.01	1.11	1.67	1.75	2.54	1.79	1.39	1.16	1.07	1.03	1.03	0.97	
24	1.03	2.18	1.46	1.51	2.84	1.70	1.40	1.16	1.07	1.02	1.04	0.97	
25	1.04	1.67	1.40	1.42	3.56	1.63	1.41	1.16	1.07	1.01	1.03	0.97	
26	1.04	1.31	1.46	1.36	3.32	1.59	1.41	1.16	1.07	1.01	1.01	0.99	
27	1.05	1.18	1.57	1.54	3.41	1.59	1.40	1.15	1.07	1.01	1.00	1.03	
28	1.11	1.12	1.68	1.41	3.08	1.59	1.40	1.15	1.08	1.01	1.00	1.03	
29	1.06	1.06	1.87	1.35	2.74	1.57	1.39	1.14	1.09	1.00	0.99	1.03	
30	1.08	1.03	1.76	1.33	2.65	1.65	1.36	1.14	1.09	1.00		1.05	
31		1.01		1.29	2.82		1.33		1.09	1.00		1.10	
MEAN	1.00	1.15	1.76	1.49	2.93	2.17	1.43	1.17	1.08	1.06	1.00	1.01	
MAX	1.11	2.18	3.84	2.21	4.40	2.92	1.76	1.29	1.13	1.11	1.04	1.29	4.40
MIN	0.96	0.98	1.16	1.25	1.84	1.57	1.33	1.14	1.07	1.00	0.99	0.97	0.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.73 M (A.D), AT 17.00 HOURS, ON AUG 18, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.50 M (A.D)

LEFT BANK ELEVATION 12.29 M (A.D)

RIGHT BANK ELEVATION 11.89 M (A.D), DRAINAGE AREA 2107 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.20	20.80	47.60	46.90	69.60	120.80	49.00	27.40	17.80	16.00	10.00	9.40	
2	8.80	36.40	23.20	42.70	97.00	122.50	42.70	25.60	17.20	16.00	10.00	8.80	
3	8.80	35.00	19.60	39.20	72.00	119.10	45.50	24.40	16.60	16.60	10.00	8.80	
4	8.80	20.80	37.10	34.30	229.00	109.75	60.80	23.20	16.60	16.60	10.00	8.80	
5	8.80	13.00	25.60	30.10	166.90	120.80	53.20	22.60	16.00	16.60	10.00	8.80	
6	8.80	10.00	33.60	27.40	218.20	115.70	46.20	22.00	16.00	16.60	10.00	8.80	
7	8.80	8.80	22.60	25.60	283.20	143.75	42.00	21.40	15.40	16.60	9.40	8.80	
8	8.80	23.20	42.00	27.40	184.90	158.80	39.20	20.80	15.40	16.60	9.40	8.80	
9	8.80	10.00	39.20	25.00	149.80	131.85	37.10	20.20	14.80	16.60	9.40	8.80	
10	8.20	9.40	50.40	30.80	145.45	110.60	35.70	20.20	14.80	16.60	9.40	8.80	
11	8.20	24.40	45.50	35.70	238.00	94.45	35.00	19.60	14.80	16.60	10.00	8.80	
12	8.20	17.80	178.60	56.00	142.05	135.25	34.30	19.60	14.80	16.00	10.00	8.30	
13	15.40	9.40	244.80	54.60	101.25	151.60	32.90	19.00	14.20	16.00	10.00	9.40	
14	14.80	9.40	191.20	39.90	82.55	132.70	32.20	19.00	14.20	15.40	10.00	10.00	
15	11.80	8.80	162.40	35.00	81.70	100.40	31.50	19.00	14.20	14.80	9.40	14.20	
16	9.40	8.80	89.35	30.80	72.80	93.60	30.80	19.00	14.20	14.20	9.40	27.40	
17	8.20	18.40	56.00	35.70	67.20	98.70	30.80	19.00	14.20	13.60	9.40	16.00	
18	8.20	11.20	43.40	46.20	315.00	85.10	30.80	19.00	14.20	13.60	9.40	11.20	
19	8.20	10.60	40.60	97.85	259.20	76.80	30.80	19.00	14.20	13.00	10.00	9.40	
20	7.60	11.20	45.50	80.00	244.80	68.80	31.50	19.00	14.20	12.40	10.00	8.80	
21	7.60	10.60	44.10	49.00	184.90	68.80	33.60	19.00	14.20	11.80	10.00	8.20	
22	9.40	12.40	42.70	56.00	147.15	85.10	34.30	19.60	14.20	11.80	10.60	8.20	
23	10.60	16.60	53.90	60.00	125.90	63.20	34.30	19.60	14.20	11.80	11.80	8.20	
24	11.80	95.30	39.20	42.70	151.60	56.00	35.00	19.60	14.20	11.20	12.40	8.20	
25	12.40	53.90	35.00	36.40	216.40	51.10	35.70	19.60	14.20	10.60	11.80	8.20	
26	12.40	28.70	39.20	32.20	194.80	48.30	35.70	19.60	14.20	10.60	10.60	9.40	
27	13.00	20.80	46.90	44.80	202.90	48.30	35.00	19.00	14.20	10.60	10.00	11.80	
28	16.60	17.20	54.60	35.70	173.20	48.30	35.00	19.00	14.80	10.60	10.00	11.80	
29	13.60	13.60	69.60	31.50	142.90	46.90	34.30	18.40	15.40	10.00	9.40	11.80	
30	14.80	11.80	60.80	30.10	135.25	52.50	32.20	18.40	15.40	10.00		13.00	
31		10.60		27.40	149.80		30.10		15.40	10.00		16.00	
TOTAL	309.00	608.90	1924.25	1286.95	5045.40	2859.55	1147.20	610.80	464.20	429.40	291.80	327.40	15304.83 CMSDAY
MEAN	10.30	19.64	64.14	41.51	162.75	95.32	37.01	20.36	14.97	13.85	10.06	10.56	41.82 CMS
MAX	16.60	95.30	244.80	97.85	315.00	158.80	60.80	27.40	17.80	16.60	12.40	27.40	315.00 CMS
MIN	7.60	8.80	19.60	25.00	67.20	46.90	30.10	18.40	14.20	10.00	9.40	8.20	7.60 CMS
RUNOFF	26.698	52.609	166.255	111.192	435.922	247.065	99.118	52.773	40.107	37.100	25.212	28.287	1322.337 MCM

MOMENTARY PEAK 594.90 CMS, AT 5.73 M (A.D), AT 17.00 HOURS, ON AUG 18, 1979

RUNOFF YIELD 19.85 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 282.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

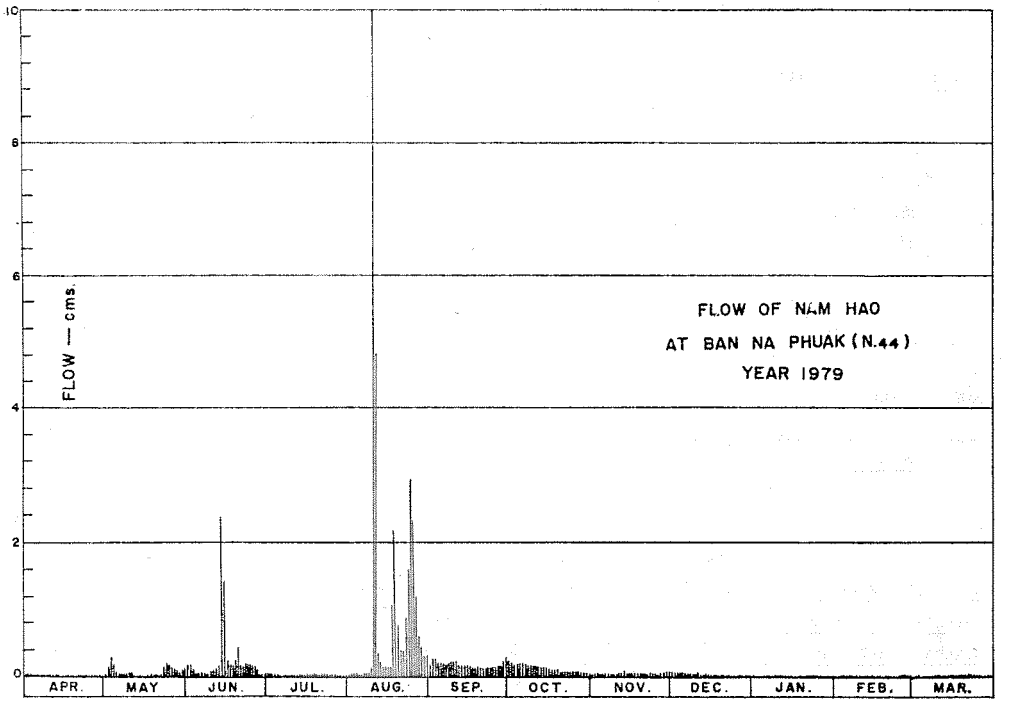
NAM HAO AT BAN NA PHUAK, NAN (N.44)

LOCATION	LAT. 19°-05'-06" N., LONG. 100°-50'-59" E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE, ALONG THA WANG PHA-SILA PHET ROAD AT BAN NA PHUAK, TAMBON YOM, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	41 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR B.M.5 OF HIGHWAYS DEPARTMENT.
ELEVATION	+6.752 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.26	0.48	0.37	0.34	0.48	0.51	0.39	0.41	0.33	0.31	0.29	
2	0.27	0.45	0.48	0.37	0.35	0.53	0.49	0.38	0.40	0.33	0.31	0.28	
3	0.27	0.54	0.40	0.34	0.36	0.53	0.48	0.37	0.41	0.32	0.32	0.28	
4	0.25	0.48	0.35	0.33	0.37	0.50	0.48	0.38	0.41	0.34	0.32	0.28	
5	0.24	0.40	0.39	0.32	0.36	0.51	0.50	0.39	0.40	0.33	0.31	0.27	
6	0.25	0.35	0.39	0.31	0.36	0.51	0.50	0.39	0.39	0.34	0.31	0.31	
7	0.24	0.34	0.37	0.30	0.38	0.49	0.49	0.38	0.38	0.33	0.32	0.31	
8	0.24	0.34	0.36	0.30	0.39	0.51	0.47	0.39	0.38	0.33	0.32	0.32	
9	0.24	0.34	0.37	0.31	0.41	0.52	0.46	0.38	0.38	0.35	0.31	0.31	
10	0.24	0.34	0.42	0.32	0.46	0.50	0.47	0.40	0.38	0.34	0.32	0.30	
11	0.24	0.34	0.41	0.33	0.89	0.50	0.46	0.41	0.38	0.34	0.31	0.30	
12	0.25	0.32	0.44	0.34	0.59	0.48	0.47	0.41	0.37	0.33	0.32	0.31	
13	0.26	0.29	0.47	0.34	0.50	0.48	0.45	0.42	0.35	0.33	0.31	0.31	
14	0.27	0.27	0.73	0.33	0.47	0.48	0.45	0.41	0.36	0.34	0.31	0.32	
15	0.26	0.27	0.67	0.32	0.45	0.48	0.45	0.41	0.35	0.32	0.31	0.33	
16	0.24	0.27	0.53	0.33	0.46	0.47	0.44	0.40	0.35	0.33	0.31	0.34	
17	0.25	0.27	0.48	0.34	0.45	0.46	0.43	0.41	0.35	0.33	0.30	0.34	
18	0.26	0.27	0.47	0.33	0.73	0.45	0.44	0.41	0.34	0.33	0.30	0.34	
19	0.26	0.30	0.49	0.34	0.67	0.46	0.43	0.40	0.35	0.33	0.30	0.34	
20	0.26	0.28	0.60	0.34	0.62	0.45	0.41	0.39	0.34	0.32	0.30	0.34	
21	0.28	0.29	0.45	0.35	0.58	0.46	0.40	0.38	0.34	0.32	0.30	0.35	
22	0.31	0.29	0.46	0.36	0.58	0.46	0.41	0.40	0.34	0.32	0.31	0.35	
23	0.32	0.32	0.43	0.35	0.67	0.45	0.42	0.40	0.33	0.32	0.32	0.35	
24	0.30	0.46	0.42	0.36	0.73	0.45	0.41	0.38	0.32	0.33	0.33	0.35	
25	0.26	0.50	0.41	0.36	0.76	0.46	0.40	0.39	0.31	0.33	0.33	0.34	
26	0.25	0.47	0.41	0.36	0.72	0.47	0.41	0.39	0.30	0.33	0.34	0.34	
27	0.28	0.46	0.40	0.36	0.65	0.46	0.42	0.38	0.34	0.33	0.35	0.33	
28	0.28	0.43	0.36	0.35	0.60	0.47	0.42	0.40	0.33	0.33	0.33	0.33	
29	0.29	0.42	0.35	0.35	0.57	0.52	0.41	0.41	0.31	0.32	0.31	0.33	
30	0.27	0.40	0.36	0.36	0.54	0.54	0.39	0.42	0.32	0.32		0.33	
31		0.45		0.35	0.55		0.38		0.32	0.31		0.33	
MEAN	0.26	0.36	0.44	0.34	0.53	0.48	0.44	0.40	0.36	0.33	0.32	0.32	
MAX	0.32	0.54	0.73	0.37	0.89	0.54	0.51	0.42	0.41	0.35	0.35	0.35	0.89
MIN	0.24	0.26	0.35	0.30	0.34	0.45	0.38	0.37	0.30	0.31	0.30	0.27	0.24

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.00 M (A.D), AT 6.00 HOURS, ON AUG 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 4.65 M (A.D)
RIGHT BANK ELEVATION 5.68 M (A.D), DRAINAGE AREA 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.19	0.05	0.03	0.19	0.24	0.06	0.08	0.03	0.02	0.01	
2	0.01	0.14	0.19	0.05	0.04	0.29	0.20	0.06	0.07	0.03	0.02	0.01	
3	0.01	0.32	0.07	0.03	0.05	0.29	0.19	0.05	0.08	0.02	0.02	0.01	
4	0.00	0.19	0.04	0.03	0.05	0.22	0.19	0.06	0.08	0.03	0.02	0.01	
5	0.00	0.07	0.06	0.02	0.05	0.24	0.22	0.06	0.07	0.03	0.02	0.01	
6	0.00	0.04	0.06	0.02	0.05	0.24	0.22	0.06	0.06	0.03	0.02	0.02	
7	0.00	0.03	0.05	0.01	0.06	0.20	0.20	0.06	0.06	0.03	0.02	0.02	
8	0.00	0.03	0.05	0.01	0.06	0.24	0.17	0.06	0.06	0.03	0.02	0.02	
9	0.00	0.03	0.05	0.02	0.08	0.27	0.16	0.06	0.06	0.04	0.02	0.02	
10	0.00	0.03	0.10	0.02	0.16	0.22	0.17	0.07	0.06	0.03	0.02	0.01	
11	0.00	0.03	0.08	0.03	11.20	0.22	0.16	0.08	0.06	0.03	0.02	0.01	
12	0.00	0.02	0.13	0.03	0.44	0.19	0.17	0.08	0.05	0.03	0.02	0.02	
13	0.00	0.01	0.17	0.03	0.22	0.19	0.14	0.10	0.04	0.03	0.02	0.02	
14	0.01	0.01	2.18	0.03	0.17	0.19	0.14	0.08	0.05	0.03	0.02	0.02	
15	0.00	0.01	1.12	0.02	0.14	0.19	0.14	0.08	0.04	0.02	0.02	0.03	
16	0.00	0.01	0.29	0.03	0.16	0.17	0.13	0.07	0.04	0.03	0.02	0.03	
17	0.00	0.01	0.19	0.03	0.14	0.16	0.11	0.08	0.04	0.03	0.01	0.03	
18	0.00	0.01	0.17	0.03	2.18	0.14	0.13	0.08	0.03	0.03	0.01	0.03	
19	0.00	0.01	0.20	0.03	1.12	0.16	0.11	0.07	0.04	0.03	0.01	0.03	
20	0.00	0.01	0.47	0.03	0.66	0.14	0.08	0.06	0.03	0.02	0.01	0.03	
21	0.01	0.01	0.14	0.04	0.42	0.16	0.07	0.06	0.03	0.02	0.01	0.04	
22	0.02	0.01	0.16	0.05	0.42	0.16	0.08	0.07	0.03	0.02	0.02	0.04	
23	0.02	0.02	0.11	0.04	1.12	0.14	0.10	0.07	0.03	0.02	0.02	0.04	
24	0.01	0.16	0.10	0.05	2.18	0.14	0.08	0.06	0.02	0.03	0.03	0.04	
25	0.00	0.22	0.08	0.05	2.96	0.16	0.07	0.06	0.02	0.03	0.03	0.03	
26	0.00	0.17	0.08	0.05	1.92	0.17	0.08	0.06	0.01	0.03	0.03	0.03	
27	0.01	0.16	0.07	0.05	0.94	0.16	0.10	0.06	0.03	0.03	0.04	0.03	
28	0.01	0.11	0.05	0.04	0.47	0.17	0.10	0.07	0.03	0.03	0.03	0.03	
29	0.01	0.10	0.04	0.04	0.39	0.27	0.08	0.08	0.02	0.02	0.02	0.03	
30	0.01	0.07	0.05	0.05	0.32	0.32	0.06	0.10	0.02	0.02		0.03	
31		0.14		0.04	0.34		0.06		0.02	0.02		0.03	
TOTAL	0.13	2.18	6.74	1.05	28.54	6.00	4.15	2.07	1.36	0.85	0.59	0.76	54.42 CMSDAY
MEAN	0.00	0.07	0.22	0.03	0.92	0.20	0.13	0.07	0.04	0.03	0.02	0.02	0.15 CMS
MAX	0.02	0.32	2.18	0.05	11.20	0.32	0.24	0.10	0.08	0.04	0.04	0.04	11.20 CMS
MIN	0.00	0.00	0.04	0.01	0.03	0.14	0.06	0.05	0.01	0.02	0.01	0.01	0.00 CMS
RUNOFF	0.011	0.188	0.582	0.091	2.466	0.518	0.359	0.179	0.118	0.073	0.051	0.066	4.702 MCM

MOMENTARY PEAK 20.00 CMS, AT 1.00 M (A.D), AT 6.00 HOURS, ON AUG 11, 1979
RUNOFF YIELD 3.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 487.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

NAM PUA AT BAN NA KHAM, NAN (N.45)

LOCATION — LAT. 19°-06'-21" N., LONG. 100°-56'-59" E., ON RIGHT BANK UPSTREAM FROM BOX CULVERT AT BAN NA KHAM, TAMBON SILA PHET, AMPHOE PUA, NAN.

DRAINAGE AREA — 7 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

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 — 1978-1979

RATING OPERATION

PERIOD OF RATING — 1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

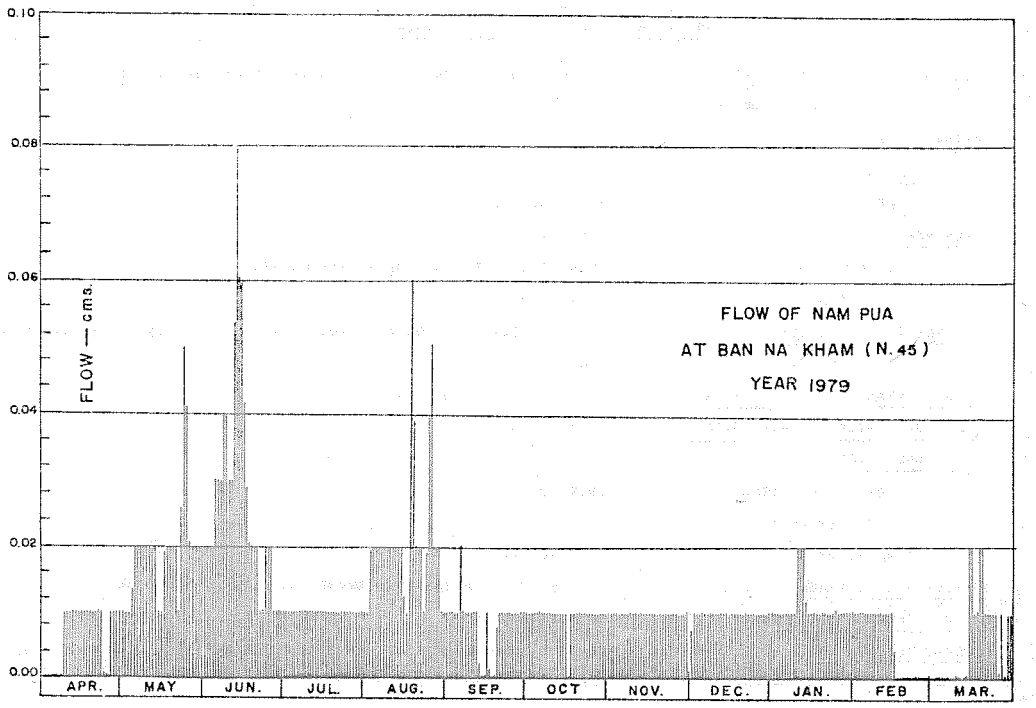
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.15	0.18	0.14	0.14	0.12	0.12	0.11	0.10	0.12	0.12	0.10	
2	0.10	0.13	0.18	0.14	0.14	0.12	0.12	0.11	0.11	0.12	0.12	0.10	
3	0.10	0.14	0.18	0.13	0.16	0.13	0.11	0.11	0.11	0.12	0.12	0.10	
4	0.10	0.15	0.21	0.13	0.20	0.13	0.11	0.11	0.11	0.12	0.12	0.10	
5	0.10	0.16	0.22	0.12	0.19	0.14	0.11	0.11	0.11	0.12	0.12	0.10	
6	0.10	0.16	0.23	0.12	0.19	0.17	0.11	0.11	0.11	0.12	0.12	0.10	
7	0.10	0.16	0.24	0.12	0.21	0.13	0.11	0.11	0.11	0.12	0.12	0.09	
8	0.10	0.18	0.29	0.11	0.18	0.11	0.11	0.11	0.11	0.12	0.12	0.10	
9	0.12	0.18	0.26	0.11	0.19	0.11	0.11	0.11	0.11	0.12	0.11	0.10	
10	0.12	0.18	0.25	0.11	0.19	0.11	0.11	0.11	0.11	0.14	0.11	0.10	
11	0.12	0.17	0.25	0.11	0.19	0.11	0.11	0.11	0.11	0.16	0.11	0.10	
12	0.13	0.17	0.32	0.11	0.19	0.11	0.11	0.11	0.11	0.16	0.11	0.09	
13	0.14	0.17	0.43	0.13	0.17	0.10	0.11	0.11	0.11	0.16	0.11	0.09	
14	0.14	0.14	0.36	0.13	0.17	0.10	0.11	0.11	0.11	0.14	0.11	0.09	
15	0.15	0.14	0.35	0.13	0.17	0.10	0.11	0.11	0.11	0.14	0.11	0.17	
16	0.15	0.15	0.26	0.12	0.15	0.11	0.11	0.11	0.11	0.14	0.09	0.17	
17	0.15	0.17	0.22	0.12	0.15	0.10	0.10	0.11	0.11	0.14	0.10	0.15	
18	0.15	0.19	0.20	0.12	0.35	0.10	0.11	0.11	0.11	0.12	0.10	0.14	
19	0.15	0.21	0.19	0.12	0.24	0.10	0.11	0.11	0.11	0.12	0.10	0.20	
20	0.15	0.21	0.18	0.12	0.19	0.11	0.11	0.11	0.11	0.12	0.10	0.18	
21	0.15	0.21	0.18	0.12	0.17	0.12	0.11	0.11	0.11	0.12	0.10	0.11	
22	0.15	0.15	0.15	0.12	0.17	0.11	0.11	0.11	0.11	0.12	0.10	0.11	
23	0.15	0.22	0.11	0.13	0.15	0.11	0.11	0.11	0.11	0.12	0.10	0.12	
24	0.10	0.31	0.17	0.13	0.20	0.11	0.11	0.11	0.11	0.12	0.10	0.12	
25	0.10	0.26	0.17	0.14	0.26	0.11	0.11	0.11	0.15	0.11	0.10	0.11	
26	0.10	0.19	0.17	0.14	0.32	0.11	0.11	0.11	0.15	0.11	0.10	0.10	
27	0.11	0.17	0.15	0.13	0.19	0.11	0.11	0.11	0.14	0.11	0.10	0.11	
28	0.12	0.16	0.13	0.13	0.18	0.11	0.11	0.11	0.12	0.12	0.10	0.10	
29	0.13	0.17	0.14	0.15	0.16	0.11	0.11	0.11	0.12	0.12	0.10	0.11	
30	0.15	0.19	0.14	0.15	0.14	0.12	0.11	0.11	0.12	0.12		0.11	
31		0.20		0.15	0.14		0.11		0.12	0.12		0.11	
MEAN	0.12	0.18	0.22	0.13	0.19	0.11	0.11	0.11	0.11	0.13	0.11	0.12	
MAX	0.15	0.31	0.43	0.15	0.35	0.17	0.12	0.11	0.15	0.16	0.12	0.20	0.43
MIN	0.10	0.13	0.11	0.11	0.14	0.10	0.10	0.11	0.10	0.11	0.09	0.09	0.09

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.50 M (A.D), AT 5.00 HOURS, ON JUN 13, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.04 M (A.D)

LEFT BANK ELEVATION 1.89 M (A.D)

RIGHT BANK ELEVATION 3.18 M (A.D), DRAINAGE AREA 7 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	
2	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
3	0.00	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
4	0.00	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
5	0.00	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
6	0.00	0.02	0.03	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	
7	0.00	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
8	0.00	0.02	0.04	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
9	0.01	0.02	0.04	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
10	0.01	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	
11	0.01	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.00	
12	0.01	0.02	0.05	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.00	
13	0.01	0.02	0.08	0.01	0.02	0.00	0.01	0.01	0.01	0.02	0.01	0.00	
14	0.01	0.01	0.06	0.01	0.02	0.00	0.01	0.01	0.01	0.01	0.01	0.00	
15	0.01	0.01	0.06	0.01	0.02	0.00	0.01	0.01	0.01	0.01	0.01	0.02	
16	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.02	
17	0.01	0.02	0.03	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.01	
18	0.01	0.02	0.02	0.01	0.06	0.00	0.01	0.01	0.01	0.01	0.00	0.01	
19	0.01	0.02	0.02	0.01	0.03	0.00	0.01	0.01	0.01	0.01	0.00	0.02	
20	0.01	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.02	
21	0.01	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
22	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
23	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
24	0.00	0.05	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
25	0.00	0.04	0.02	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
26	0.00	0.02	0.02	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.00	
27	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
28	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	
29	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	
30	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.01	
31		0.02		0.01	0.01		0.01		0.01	0.01		0.01	
TOTAL	0.19	0.60	0.83	0.31	0.65	0.25	0.30	0.30	0.30	0.34	0.15	0.19	4.41 CMSDAY
MEAN	0.01	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01 CMS
MAX	0.01	0.05	0.08	0.01	0.06	0.02	0.01	0.01	0.01	0.02	0.01	0.02	0.08 CMS
MIN	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00 CMS
RUNOFF	0.016	0.052	0.072	0.027	0.056	0.022	0.026	0.026	0.026	0.029	0.013	0.016	0.381 MCM

MOMENTARY PEAK 0.10 CMS, AT 0.50 M (A.D), AT 5.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD 1.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 13.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

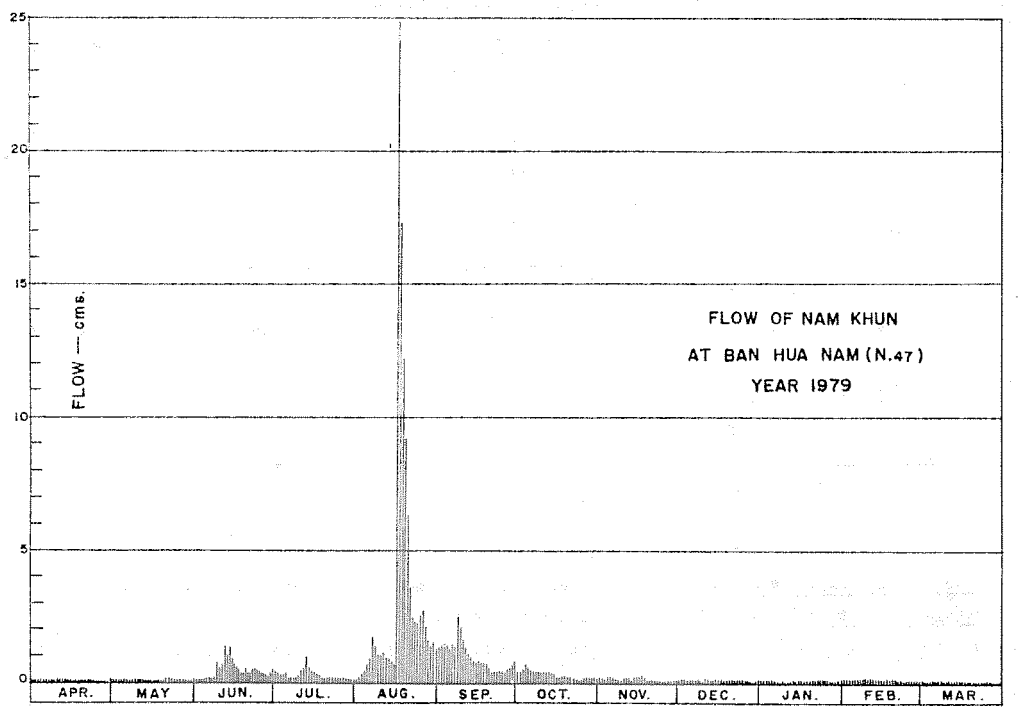
NAM KHUN AT BAN HUA NAM, NAN (N.47)

LOCATION	LAT. 19°-08'-36" N., LONG. 100°-57'-08" E., ON LEFT BANK NEAR WAT PA MUAT AT BAN HUA NAM, AMPHOE PUA, NAN.
DRAINAGE AREA	35 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF THE GAGE OBSERVER'S HOUSE.
ELEVATION	+15.652 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 24 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.30	0.29	0.49	0.38	0.67	0.47	0.36	0.30	0.31	0.30	0.30	
2	0.29	0.28	0.27	0.46	0.39	0.69	0.45	0.35	0.32	0.33	0.29	0.29	
3	0.31	0.27	0.30	0.44	0.47	0.69	0.49	0.34	0.33	0.31	0.29	0.28	
4	0.31	0.29	0.32	0.42	0.51	0.67	0.54	0.36	0.31	0.32	0.29	0.28	
5	0.29	0.31	0.34	0.48	0.56	0.65	0.51	0.37	0.29	0.31	0.31	0.29	
6	0.27	0.32	0.37	0.38	0.61	0.69	0.49	0.37	0.29	0.30	0.28	0.29	
7	0.28	0.30	0.39	0.37	0.72	0.66	0.47	0.34	0.30	0.31	0.29	0.29	
8	0.28	0.31	0.36	0.40	0.65	0.78	0.47	0.34	0.28	0.31	0.28	0.30	
9	0.20	0.31	0.57	0.42	0.62	0.73	0.45	0.34	0.29	0.32	0.28	0.29	
10	0.28	0.27	0.52	0.44	0.62	0.69	0.46	0.35	0.31	0.32	0.31	0.29	
11	0.31	0.27	0.54	0.46	0.64	0.65	0.45	0.37	0.31	0.30	0.30	0.29	
12	0.31	0.30	0.68	0.53	0.60	0.62	0.46	0.36	0.31	0.28	0.28	0.28	
13	0.30	0.31	0.63	0.62	0.59	0.59	0.45	0.34	0.32	0.31	0.28	0.29	
14	0.28	0.32	0.68	0.53	0.56	0.57	0.41	0.35	0.34	0.31	0.31	0.31	
15	0.26	0.29	0.58	0.48	0.54	0.56	0.40	0.35	0.32	0.28	0.29	0.29	
16	0.27	0.29	0.53	0.45	0.47	0.56	0.40	0.36	0.29	0.29	0.28	0.29	
17	0.28	0.31	0.50	0.45	0.53	0.54	0.39	0.36	0.27	0.29	0.30	0.29	
18	0.30	0.30	0.48	0.43	1.38	0.54	0.39	0.37	0.29	0.29	0.29	0.28	
19	0.32	0.30	0.46	0.41	1.09	0.55	0.38	0.34	0.32	0.28	0.31	0.28	
20	0.30	0.31	0.52	0.39	0.97	0.50	0.36	0.32	0.31	0.31	0.31	0.29	
21	0.28	0.35	0.48	0.36	0.86	0.48	0.32	0.31	0.28	0.32	0.31	0.29	
22	0.26	0.35	0.49	0.36	0.78	0.47	0.31	0.34	0.28	0.29	0.29	0.29	
23	0.25	0.33	0.49	0.40	0.76	0.46	0.32	0.34	0.30	0.29	0.26	0.29	
24	0.26	0.32	0.50	0.39	0.76	0.45	0.34	0.31	0.31	0.29	0.27	0.28	
25	0.28	0.32	0.48	0.37	0.78	0.47	0.34	0.30	0.30	0.28	0.29	0.29	
26	0.30	0.34	0.46	0.40	0.79	0.46	0.37	0.29	0.29	0.30	0.29	0.29	
27	0.33	0.33	0.42	0.42	0.74	0.49	0.36	0.27	0.31	0.32	0.29	0.30	
28	0.33	0.32	0.43	0.38	0.70	0.53	0.36	0.30	0.29	0.29	0.30	0.28	
29	0.31	0.29	0.46	0.39	0.67	0.56	0.36	0.32	0.28	0.30	0.29	0.28	
30	0.31	0.29	0.49	0.39	0.69	0.56	0.35	0.30	0.30	0.32		0.29	
31		0.26		0.37	0.66		0.34		0.31	0.29		0.28	
MEAN	0.29	0.31	0.47	0.43	0.68	0.58	0.41	0.34	0.30	0.30	0.29	0.29	
MAX	0.33	0.35	0.68	0.62	1.38	0.78	0.54	0.37	0.34	0.33	0.31	0.31	1.38
MIN	0.25	0.26	0.27	0.36	0.38	0.45	0.31	0.27	0.27	0.28	0.26	0.28	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.47 M (A.D), AT 18.00 HOURS, ON AUG 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.00 M (A.D)
LEFT BANK ELEVATION 2.09 M (A.D)
RIGHT BANK ELEVATION 2.09 M (A.D), DRAINAGE AREA 35 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.08	0.07	0.47	0.19	1.38	0.42	0.16	0.08	0.09	0.08	0.08	
2	0.07	0.06	0.06	0.39	0.21	1.51	0.36	0.15	0.11	0.12	0.07	0.07	
3	0.09	0.06	0.08	0.33	0.42	1.51	0.47	0.14	0.12	0.09	0.07	0.06	
4	0.09	0.07	0.11	0.28	0.54	1.38	0.66	0.16	0.09	0.11	0.07	0.06	
5	0.07	0.09	0.14	0.44	0.75	1.25	0.54	0.18	0.07	0.09	0.09	0.07	
6	0.06	0.11	0.18	0.19	0.98	1.51	0.47	0.18	0.07	0.08	0.06	0.07	
7	0.06	0.08	0.21	0.18	1.82	1.31	0.42	0.14	0.08	0.09	0.07	0.07	
8	0.06	0.09	0.16	0.22	1.25	2.56	0.42	0.14	0.06	0.09	0.06	0.08	
9	0.06	0.09	0.79	0.28	1.04	1.95	0.36	0.14	0.07	0.11	0.06	0.07	
10	0.06	0.06	0.58	0.33	1.04	1.51	0.39	0.15	0.09	0.11	0.09	0.07	
11	0.09	0.06	0.66	0.39	1.18	1.25	0.36	0.18	0.09	0.08	0.08	0.07	
12	0.09	0.08	1.45	0.62	0.91	1.04	0.39	0.16	0.09	0.06	0.06	0.06	
13	0.08	0.09	1.11	1.04	0.87	0.87	0.36	0.14	0.11	0.09	0.06	0.07	
14	0.06	0.11	1.45	0.62	0.75	0.79	0.25	0.15	0.14	0.09	0.09	0.09	
15	0.05	0.07	0.83	0.44	0.66	0.75	0.22	0.15	0.11	0.06	0.07	0.07	
16	0.06	0.07	0.62	0.36	0.42	0.75	0.22	0.16	0.07	0.07	0.06	0.07	
17	0.06	0.09	0.50	0.36	0.62	0.66	0.21	0.16	0.06	0.07	0.08	0.07	
18	0.08	0.08	0.44	0.30	24.75	0.66	0.21	0.18	0.07	0.07	0.07	0.06	
19	0.11	0.08	0.39	0.25	10.06	0.70	0.19	0.14	0.11	0.06	0.09	0.06	
20	0.00	0.09	0.58	0.21	6.48	0.50	0.16	0.11	0.09	0.09	0.09	0.07	
21	0.06	0.15	0.44	0.16	3.92	0.44	0.11	0.09	0.06	0.11	0.09	0.07	
22	0.05	0.15	0.47	0.16	2.56	0.42	0.09	0.14	0.06	0.07	0.07	0.07	
23	0.04	0.12	0.47	0.22	2.31	0.39	0.11	0.14	0.08	0.07	0.05	0.07	
24	0.05	0.11	0.50	0.21	2.31	0.36	0.14	0.09	0.09	0.07	0.06	0.06	
25	0.06	0.11	0.44	0.18	2.56	0.42	0.14	0.08	0.08	0.06	0.07	0.07	
26	0.08	0.14	0.39	0.22	2.68	0.39	0.18	0.07	0.07	0.08	0.07	0.07	
27	0.12	0.12	0.28	0.28	2.07	0.47	0.16	0.06	0.09	0.11	0.07	0.08	
28	0.12	0.11	0.30	0.19	1.58	0.62	0.16	0.08	0.07	0.07	0.08	0.06	
29	0.09	0.07	0.39	0.21	1.38	0.75	0.16	0.11	0.06	0.08	0.07	0.06	
30	0.09	0.07	0.47	0.21	1.51	0.75	0.15	0.08	0.08	0.11		0.07	
31		0.05		0.18	1.31		0.14		0.09	0.07		0.06	
TOTAL	2.20	2.81	14.56	9.92	79.13	28.85	8.62	4.01	2.61	2.62	2.10	2.13	159.56 CMSDAY
MEAN	0.07	0.09	0.49	0.32	2.55	0.96	0.28	0.13	0.08	0.08	0.07	0.07	0.44 CMS
MAX	0.12	0.15	1.45	1.04	24.75	2.56	0.66	0.18	0.14	0.12	0.09	0.09	24.75 CMS
MIN	0.04	0.05	0.06	0.16	0.19	0.36	0.09	0.06	0.06	0.06	0.05	0.06	0.04 CMS
RUNOFF	0.190	0.243	1.258	0.857	6.837	2.493	0.745	0.346	0.226	0.226	0.181	0.184	13.786 MCM

MOMENTARY PEAK 32.54 CMS, AT 1.47 M (A.D), AT 18.00 HOURS, ON AUG 18, 1979

RUNOFF YIELD 12.46 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 929.71 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

HUAI HAET AT BAN THUNG NOI, NAN (N.48)

LOCATION — LAT. 18°-46'-20" N., LONG. 100°-49'-10" E., ON LEFT BANK DOWNSTREAM OF THE BRIDGE OF HUAI HAET NEAR WAT THUNG NOI AT BAN THUNG NOI, TAMBON FAI KAEO, AMPHOE MUANG, NAN.

DRAINAGE AREA — 48 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +211.50 M. (M.S.L.)

BENCH MARK — B.M.-N.1

LOCATION — NEAR THE FENCE OF WAT THUNG NOI.

ELEVATION — +215.927 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

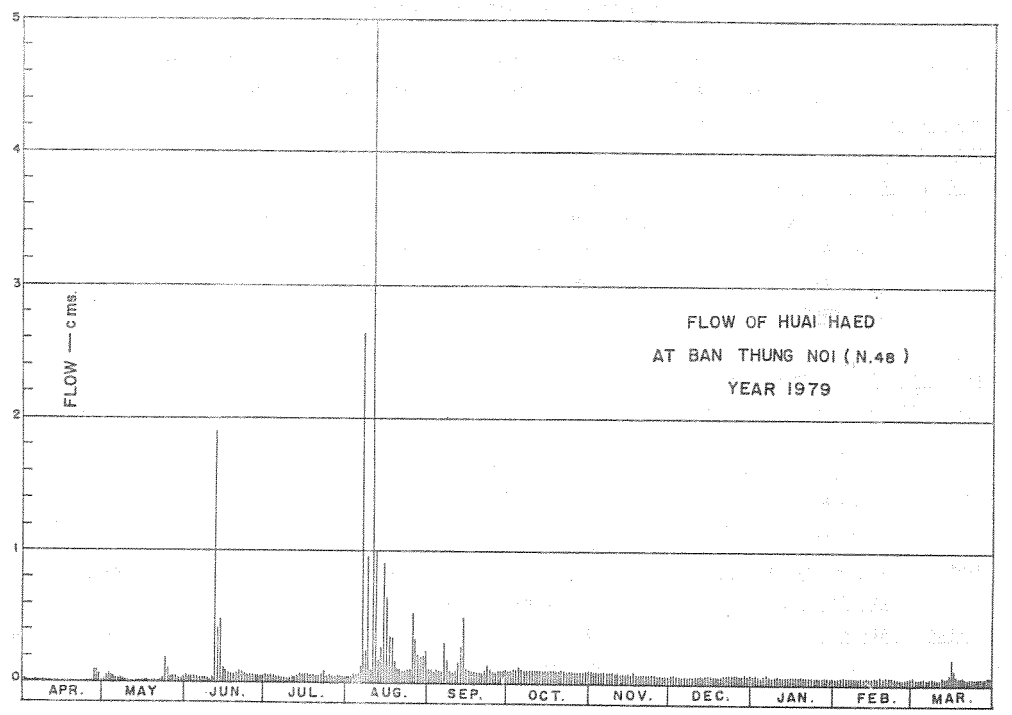
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	211.88	211.87	211.92	211.94	211.93	212.00	211.98	211.97	211.94	211.94	211.93	211.92	
2	211.88	211.94	211.91	211.94	211.93	211.99	211.97	211.97	211.94	211.94	211.93	211.91	
3	211.81	211.95	211.92	211.94	211.92	211.98	211.97	211.97	211.94	211.94	211.93	211.91	
4	211.81	211.91	211.92	211.93	211.95	212.00	212.00	211.97	211.94	211.93	211.93	211.91	
5	211.81	211.91	211.91	211.93	211.94	211.98	212.00	211.97	211.93	211.94	211.93	211.91	
6	211.81	211.90	211.91	211.92	212.01	211.98	211.99	211.97	211.93	211.94	211.93	211.91	
7	211.82	211.90	211.91	211.91	212.49	212.06	211.98	211.98	211.93	211.93	211.93	211.91	
8	211.81	211.89	211.91	211.91	212.04	212.02	211.98	211.97	211.93	211.93	211.93	211.91	
9	211.82	211.87	211.90	211.91	212.22	211.98	211.97	211.96	211.93	211.93	211.93	211.91	
10	211.81	211.96	211.90	211.91	211.99	211.98	211.97	211.96	211.93	211.93	211.93	211.91	
11	211.83	211.86	211.91	211.91	212.86	211.99	211.97	211.96	211.93	211.93	211.93	211.91	
12	211.82	211.86	212.38	211.93	212.10	212.02	211.97	211.96	211.93	211.93	211.93	211.92	
13	211.82	211.86	212.09	211.93	212.02	212.05	211.97	211.96	211.93	211.93	211.92	211.92	
14	211.82	211.86	212.11	211.94	212.05	212.11	211.97	211.96	211.93	211.93	211.92	211.92	
15	211.82	211.87	211.97	211.94	212.21	211.99	211.97	211.96	211.93	211.93	211.92	211.97	
16	211.82	211.86	211.95	211.94	212.13	211.97	211.97	211.96	211.93	211.93	211.92	212.02	
17	211.82	211.89	211.94	211.94	212.07	211.97	211.97	211.96	211.93	211.93	211.92	211.94	
18	211.81	211.87	211.93	211.94	212.07	211.97	211.97	211.95	211.93	211.93	211.92	211.94	
19	211.81	211.86	211.93	211.93	212.01	211.98	211.97	211.95	211.93	211.93	211.92	211.94	
20	211.79	211.88	211.95	211.93	212.00	211.97	211.97	211.95	211.93	211.93	211.92	211.93	
21	211.79	211.87	211.96	211.94	211.99	211.98	211.99	211.95	211.94	211.93	211.92	211.93	
22	211.79	211.86	211.95	211.94	211.99	211.98	211.98	211.95	211.94	211.93	211.93	211.93	
23	211.78	211.87	211.95	211.96	211.98	212.01	211.98	211.95	211.94	211.93	211.92	211.93	
24	211.78	212.02	211.93	211.93	212.00	211.99	211.98	211.95	211.94	211.93	211.92	211.93	
25	211.78	212.00	211.93	211.93	211.99	211.99	211.98	211.94	211.94	211.93	211.91	211.93	
26	211.78	211.92	211.92	211.93	212.12	211.97	211.98	211.94	211.94	211.93	211.91	211.93	
27	211.98	211.91	211.92	211.93	212.06	211.97	211.97	211.94	211.94	211.93	211.91	211.93	
28	211.98	211.91	211.92	211.93	212.00	211.97	211.97	211.94	211.94	211.93	211.91	211.93	
29	211.95	211.91	211.93	211.93	212.00	211.99	211.97	211.94	211.94	211.93	211.91	211.93	
30	211.86	211.90	211.93	211.93	211.99	211.99	211.97	211.94	211.94	211.93		211.94	
31		211.90		211.93	212.01		211.98		211.94	211.93		211.93	
MEAN	211.83	211.89	211.95	211.93	212.07	211.99	211.98	211.96	211.93	211.93	211.92	211.93	
MAX	211.98	212.02	212.38	211.96	212.86	212.11	212.00	211.98	211.94	211.94	211.93	212.02	212.86
MIN	211.78	211.86	211.90	211.91	211.92	211.97	211.97	211.94	211.93	211.93	211.91	211.91	211.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 213.70 M (MSL), AT 6.00 HOURS, ON AUG 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 211.50 M (MSL), RIVER BED 211.75 M (MSL)
LEFT BANK ELEVATION 216.00 M (MSL)
RIGHT BANK ELEVATION 216.46 M (MSL), DRAINAGE AREA 48 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.02	0.06	0.07	0.06	0.12	0.10	0.10	0.07	0.07	0.06	0.06	
2	0.02	0.07	0.05	0.07	0.06	0.11	0.10	0.10	0.07	0.07	0.06	0.05	
3	0.00	0.08	0.06	0.07	0.06	0.10	0.10	0.10	0.07	0.07	0.06	0.05	
4	0.00	0.05	0.06	0.06	0.08	0.12	0.12	0.10	0.07	0.06	0.06	0.05	
5	0.00	0.05	0.05	0.06	0.07	0.10	0.12	0.10	0.06	0.07	0.06	0.05	
6	0.00	0.04	0.05	0.06	0.15	0.10	0.11	0.10	0.06	0.07	0.06	0.05	
7	0.00	0.04	0.05	0.05	2.65	0.32	0.10	0.10	0.06	0.06	0.06	0.05	
8	0.00	0.03	0.05	0.05	0.26	0.19	0.10	0.10	0.06	0.06	0.06	0.05	
9	0.00	0.02	0.04	0.05	0.98	0.10	0.10	0.09	0.06	0.06	0.06	0.05	
10	0.00	0.01	0.04	0.05	0.11	0.10	0.10	0.09	0.06	0.06	0.06	0.05	
11	0.00	0.01	0.05	0.05	5.75	0.11	0.10	0.09	0.06	0.06	0.06	0.05	
12	0.00	0.01	1.90	0.06	0.46	0.19	0.10	0.09	0.06	0.06	0.06	0.06	
13	0.00	0.01	0.43	0.06	0.19	0.29	0.10	0.09	0.06	0.06	0.06	0.06	
14	0.00	0.01	0.50	0.07	0.29	0.50	0.10	0.09	0.06	0.06	0.06	0.06	
15	0.00	0.02	0.10	0.07	0.93	0.11	0.10	0.09	0.06	0.06	0.06	0.10	
16	0.00	0.01	0.08	0.07	0.59	0.10	0.10	0.09	0.06	0.06	0.06	0.19	
17	0.00	0.03	0.07	0.07	0.36	0.10	0.10	0.09	0.06	0.06	0.06	0.07	
18	0.00	0.02	0.06	0.07	0.36	0.10	0.10	0.08	0.06	0.06	0.06	0.07	
19	0.00	0.01	0.06	0.06	0.15	0.10	0.10	0.08	0.06	0.06	0.06	0.07	
20	0.00	0.02	0.08	0.06	0.12	0.10	0.10	0.08	0.06	0.06	0.06	0.06	
21	0.00	0.02	0.09	0.07	0.11	0.10	0.11	0.08	0.07	0.06	0.06	0.06	
22	0.00	0.01	0.08	0.07	0.11	0.10	0.10	0.08	0.07	0.06	0.06	0.06	
23	0.00	0.02	0.08	0.09	0.10	0.15	0.10	0.08	0.07	0.06	0.06	0.06	
24	0.00	0.19	0.06	0.06	0.12	0.11	0.10	0.08	0.07	0.06	0.06	0.06	
25	0.00	0.12	0.06	0.06	0.11	0.11	0.10	0.07	0.07	0.06	0.05	0.06	
26	0.00	0.06	0.06	0.06	0.54	0.10	0.10	0.07	0.07	0.06	0.05	0.06	
27	0.10	0.05	0.06	0.06	0.32	0.10	0.10	0.07	0.07	0.06	0.05	0.06	
28	0.10	0.05	0.06	0.06	0.12	0.10	0.10	0.07	0.07	0.06	0.05	0.06	
29	0.08	0.05	0.06	0.06	0.12	0.11	0.10	0.07	0.07	0.06	0.05	0.06	
30	0.01	0.04	0.06	0.06	0.11	0.11	0.10	0.07	0.07	0.06		0.07	
31		0.04		0.06	0.15		0.10		0.07	0.06		0.06	
TOTAL	0.33	1.21	4.51	1.94	15.59	4.15	3.16	2.59	2.01	1.91	1.69	1.97	41.06 CMSDAY
MEAN	0.01	0.04	0.15	0.06	0.50	0.14	0.10	0.09	0.06	0.06	0.06	0.06	0.11 CMS
MAX	0.10	0.19	1.90	0.09	5.75	0.50	0.12	0.10	0.07	0.07	0.06	0.19	5.75 CMS
MIN	0.00	0.01	0.04	0.05	0.06	0.10	0.10	0.07	0.06	0.06	0.05	0.05	0.00 CMS
RUNOFF	0.029	0.105	0.390	0.168	1.347	0.359	0.273	0.224	0.174	0.165	0.146	0.170	3.548 MCM

MOMENTARY PEAK 15.64 CMS, AT 213.70 M (MSL), AT 6.00 HOURS, ON AUG 11, 1979

RUNOFF YIELD 2.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 325.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

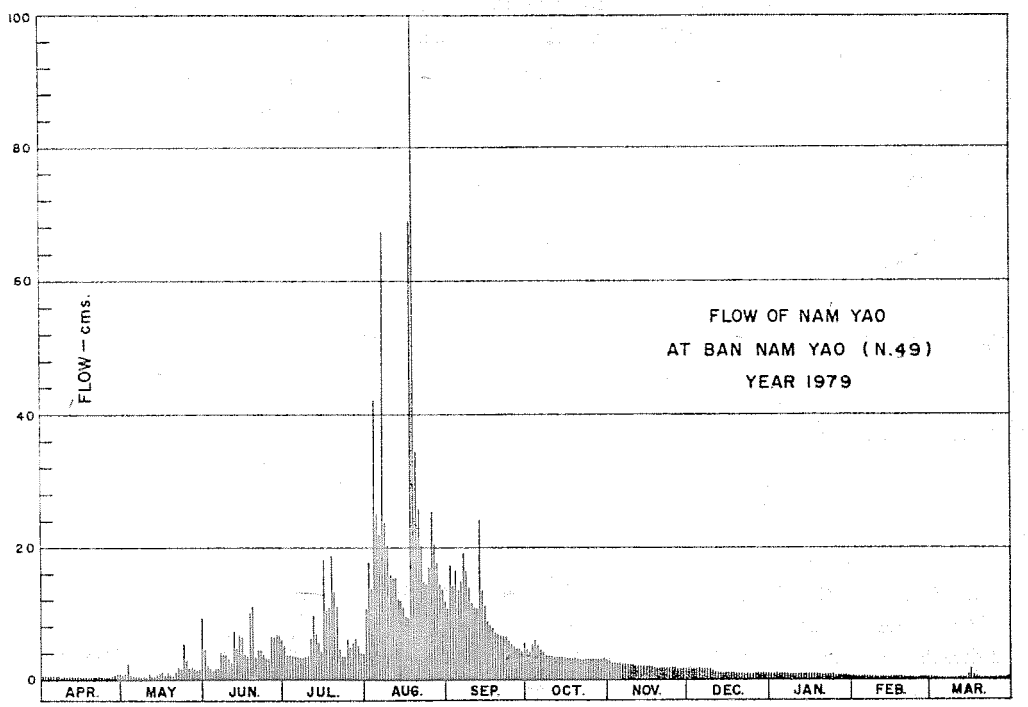
NAM YAO AT BAN NAM YAO, NAN (N.49)

LOCATION	LAT. 18°-59'-29" N., LONG. 100°-56'-32" E., ON RIGHT BANK DOWNSTREAM OF THE BRIDGE OF NAM YAO, ALONG PUA-SILA PHET ROAD AT BAN NAM YAO, AMPHOE PUA, NAN.
DRAINAGE AREA	155 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+6.052 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.80	0.80	1.02	1.05	1.18	1.19	1.02	0.95	0.90	0.84	0.81	0.79	
2	0.80	0.80	0.92	1.00	1.31	1.30	1.01	0.94	0.90	0.84	0.81	0.79	
3	0.80	0.93	0.90	1.00	1.25	1.25	1.06	0.94	0.90	0.84	0.81	0.78	
4	0.80	0.82	0.85	1.00	1.61	1.29	1.07	0.94	0.90	0.84	0.81	0.78	
5	0.80	0.80	0.90	0.99	1.41	1.24	1.05	0.94	0.90	0.84	0.81	0.78	
6	0.80	0.80	0.89	0.99	1.37	1.34	1.03	0.94	0.90	0.84	0.80	0.78	
7	0.80	0.80	1.02	0.99	1.85	1.33	1.01	0.94	0.90	0.84	0.80	0.78	
8	0.80	0.80	1.00	0.98	1.41	1.29	1.00	0.93	0.90	0.84	0.80	0.78	
9	0.80	0.80	1.00	0.99	1.34	1.24	1.00	0.93	0.90	0.84	0.80	0.78	
10	0.79	0.80	0.98	1.00	1.28	1.20	0.99	0.93	0.89	0.84	0.80	0.78	
11	0.79	0.84	0.94	1.05	1.27	1.18	0.99	0.92	0.88	0.84	0.80	0.78	
12	0.79	0.82	1.11	1.16	1.27	1.18	0.99	0.92	0.86	0.84	0.80	0.78	
13	0.79	0.80	1.03	1.10	1.21	1.40	0.99	0.92	0.86	0.84	0.80	0.78	
14	0.79	0.80	1.10	1.07	1.21	1.24	0.99	0.92	0.86	0.84	0.80	0.78	
15	0.80	0.83	1.08	1.02	1.19	1.18	0.98	0.92	0.85	0.84	0.80	0.78	
16	0.80	0.85	1.00	1.31	1.16	1.14	0.98	0.92	0.85	0.84	0.81	0.89	
17	0.80	0.85	0.99	1.18	1.15	1.13	0.98	0.92	0.85	0.84	0.81	0.81	
18	0.80	0.81	1.17	1.19	2.11	1.12	0.98	0.91	0.85	0.84	0.81	0.80	
19	0.80	0.84	1.19	1.32	1.58	1.10	0.98	0.91	0.85	0.84	0.81	0.78	
20	0.80	0.83	0.99	1.26	1.53	1.09	0.97	0.91	0.85	0.84	0.80	0.78	
21	0.80	0.84	1.03	1.19	1.42	1.10	0.97	0.91	0.84	0.83	0.79	0.78	
22	0.80	0.90	1.03	1.03	1.32	1.08	0.97	0.91	0.84	0.83	0.79	0.78	
23	0.80	0.90	1.00	1.00	1.26	1.09	0.97	0.91	0.84	0.83	0.79	0.78	
24	0.80	1.04	0.98	1.00	1.25	1.07	0.97	0.91	0.84	0.83	0.79	0.78	
25	0.80	0.99	0.98	1.08	1.29	1.06	0.97	0.91	0.84	0.82	0.79	0.78	
26	0.80	0.90	1.09	1.04	1.42	1.04	0.96	0.91	0.84	0.82	0.79	0.78	
27	0.80	0.90	1.07	1.05	1.34	1.03	0.96	0.90	0.84	0.82	0.79	0.78	
28	0.83	0.88	1.10	1.08	1.30	1.03	0.96	0.90	0.84	0.82	0.79	0.78	
29	0.82	0.85	1.10	1.04	1.25	1.02	0.96	0.90	0.84	0.82	0.79	0.78	
30	0.82	0.85	1.08	1.01	1.24	1.06	0.96	0.90	0.84	0.82		0.78	
31		1.15		1.01	1.20		0.95		0.84	0.82		0.78	
MEAN	0.80	0.86	1.02	1.07	1.35	1.17	0.99	0.92	0.86	0.83	0.80	0.79	
MAX	0.83	1.15	1.19	1.32	2.11	1.40	1.07	0.95	0.90	0.84	0.81	0.89	2.11
MIN	0.79	0.80	0.85	0.98	1.15	1.02	0.95	0.90	0.84	0.82	0.79	0.78	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.90 M (A.D), AT 5.00 HOURS, ON AUG 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.40 M (A.D)
LEFT BANK ELEVATION 8.46 M (A.D)
RIGHT BANK ELEVATION 4.67 M (A.D), DRAINAGE AREA 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.50	4.36	5.35	10.68	11.14	4.36	2.75	1.80	1.02	0.63	0.40	
2	0.50	0.50	2.18	3.70	17.88	17.20	4.03	2.56	1.80	1.02	0.63	0.40	
3	0.50	2.37	1.80	3.70	14.40	14.40	5.68	2.56	1.80	1.02	0.63	0.30	
4	0.50	0.76	1.15	3.70	42.16	16.64	6.01	2.56	1.80	1.02	0.63	0.30	
5	0.50	0.50	1.80	3.51	24.82	13.84	5.35	2.56	1.80	1.02	0.63	0.30	
6	0.50	0.50	1.67	3.51	21.96	19.92	4.69	2.56	1.80	1.02	0.50	0.30	
7	0.50	0.50	4.36	3.51	67.45	19.24	4.03	2.56	1.80	1.02	0.50	0.30	
8	0.50	0.50	3.70	3.32	24.82	16.64	3.70	2.37	1.80	1.02	0.50	0.30	
9	0.50	0.50	3.70	3.51	19.92	13.84	3.70	2.37	1.80	1.02	0.50	0.30	
10	0.40	0.50	3.32	3.70	16.08	11.60	3.51	2.37	1.67	1.02	0.50	0.30	
11	0.40	1.02	2.56	5.35	15.52	10.68	3.51	2.18	1.54	1.02	0.50	0.30	
12	0.40	0.76	7.46	9.76	15.52	10.68	3.51	2.18	1.28	1.02	0.50	0.30	
13	0.40	0.50	4.69	7.00	12.16	24.00	3.51	2.18	1.28	1.02	0.50	0.30	
14	0.40	0.50	7.00	6.01	12.16	13.84	3.51	2.18	1.28	1.02	0.50	0.30	
15	0.50	0.89	6.34	4.36	11.14	10.68	3.32	2.18	1.15	1.02	0.50	0.30	
16	0.50	1.15	3.70	17.88	9.76	8.84	3.32	2.18	1.15	1.02	0.63	1.67	
17	0.50	1.15	3.51	10.68	9.30	8.38	3.32	2.18	1.15	1.02	0.63	0.63	
18	0.50	0.63	10.22	11.14	101.50	7.92	3.32	1.99	1.15	1.02	0.63	0.50	
19	0.50	1.02	11.14	18.56	39.40	7.00	3.32	1.99	1.15	1.02	0.63	0.30	
20	0.50	0.89	3.51	14.96	34.90	6.67	3.13	1.99	1.15	1.02	0.50	0.30	
21	0.50	1.02	4.69	11.14	25.64	7.00	3.13	1.99	1.02	0.89	0.40	0.30	
22	0.50	1.80	4.69	4.69	18.56	6.34	3.13	1.99	1.02	0.89	0.40	0.30	
23	0.50	1.80	3.70	3.70	14.96	6.67	3.13	1.99	1.02	0.89	0.40	0.30	
24	0.50	5.02	3.32	3.70	14.40	6.01	3.13	1.99	1.02	0.89	0.40	0.30	
25	0.50	3.51	3.32	6.34	16.64	5.68	3.13	1.99	1.02	0.76	0.40	0.30	
26	0.50	1.80	6.67	5.02	25.64	5.02	2.94	1.99	1.02	0.76	0.40	0.30	
27	0.50	1.80	6.01	5.35	19.92	4.69	2.94	1.80	1.02	0.76	0.40	0.30	
28	0.89	1.54	7.00	6.34	17.20	4.69	2.94	1.80	1.02	0.76	0.40	0.30	
29	0.76	1.15	7.00	5.02	14.40	4.36	2.94	1.80	1.02	0.76	0.40	0.30	
30	0.76	1.15	6.34	4.03	13.84	5.68	2.94	1.80	1.02	0.76		0.30	
31		9.30		4.03	11.60		2.75		1.02	0.76		0.30	
TOTAL	15.41	45.53	140.91	202.57	714.33	319.29	111.93	65.59	41.37	29.28	14.77	11.40	1712.38 CMSDAY
MEAN	0.51	1.47	4.70	6.53	23.04	10.64	3.61	2.19	1.33	0.94	0.51	0.37	4.68 CMS
MAX	0.89	9.30	11.14	18.56	101.50	24.00	6.01	2.75	1.80	1.02	0.63	1.67	101.50 CMS
MIN	0.40	0.50	1.15	3.32	9.30	4.36	2.75	1.80	1.02	0.76	0.40	0.30	0.30 CMS
RUNOFF	1.331	3.934	12.175	17.502	61.718	27.587	9.671	5.667	3.574	2.530	1.276	0.985	147.949 MCM

MOMENTARY PEAK 255.00 CMS, AT 2.90 M (A.D), AT 5.00 HOURS, ON AUG 18, 1979
RUNOFF YIELD 30.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1645.16 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

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

LOCATION — LAT. 19°-11'-38" N., LONG. 100°-55'-14" E., ON LEFT BANK DOWNSTREAM OF THE BRIDGE OF NAM PUA, ALONG PUA-THUNG CHANG ROAD AT BAN RONG, AMPHOE PUA, NAN.

DRAINAGE AREA — 192 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — AT THE BRIDGE OF NAM PUA.

ELEVATION — +4.361 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

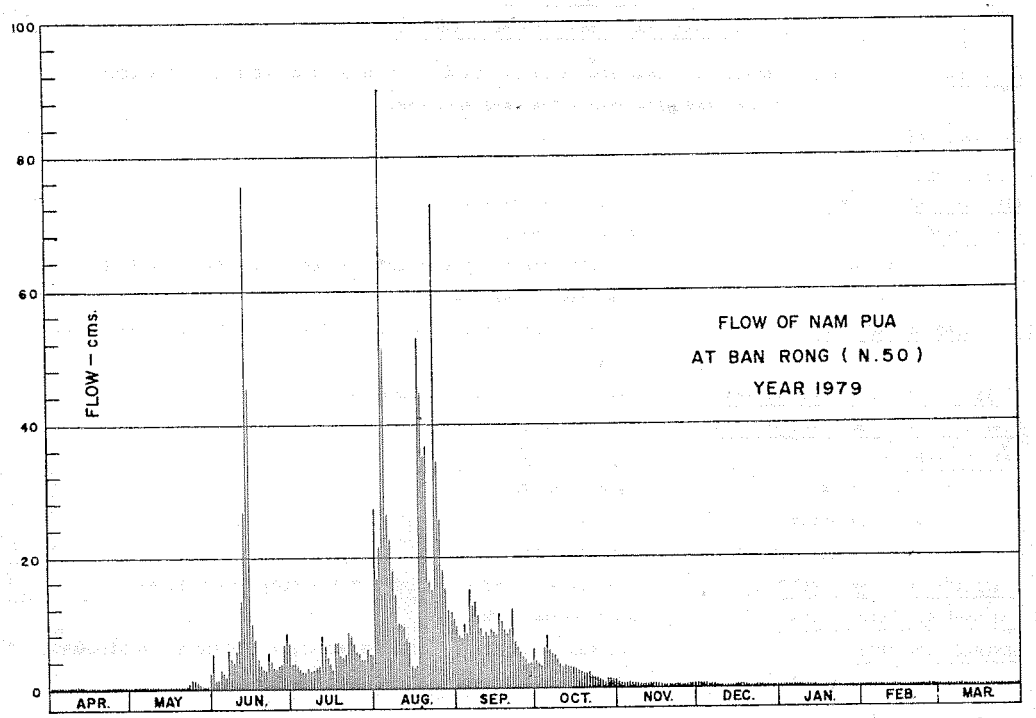
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.54	1.07	1.00	1.47	1.21	1.02	0.74	0.72	0.59	0.52	0.52	
2	0.50	0.53	0.83	1.01	1.35	1.18	1.00	0.73	0.72	0.57	0.51	0.53	
3	0.52	0.55	0.76	0.98	1.43	1.16	0.99	0.74	0.72	0.56	0.56	0.51	
4	0.49	0.57	0.94	0.95	1.80	1.22	1.10	0.74	0.72	0.54	0.51	0.51	
5	0.51	0.57	0.90	0.93	1.48	1.19	1.17	0.73	0.64	0.52	0.51	0.52	
6	0.51	0.55	0.86	0.93	1.45	1.33	1.09	0.74	0.66	0.55	0.53	0.51	
7	0.52	0.53	1.10	0.97	1.42	1.29	1.06	0.74	0.71	0.57	0.53	0.51	
8	0.51	0.54	1.03	0.95	1.36	1.30	1.06	0.73	0.57	0.55	0.51	0.50	
9	0.51	0.54	1.01	0.93	1.29	1.25	1.03	0.70	0.56	0.55	0.54	0.53	
10	0.49	0.54	1.09	0.98	1.23	1.23	0.99	0.69	0.55	0.55	0.52	0.52	
11	0.52	0.53	1.17	0.98	1.22	1.18	0.97	0.68	0.55	0.53	0.51	0.52	
12	0.50	0.52	1.31	1.17	1.16	1.19	0.99	0.68	0.54	0.54	0.52	0.52	
13	0.50	0.52	1.38	1.12	1.14	1.17	0.97	0.68	0.60	0.57	0.52	0.53	
14	0.49	0.52	1.74	1.04	1.00	1.21	0.97	0.69	0.59	0.58	0.51	0.52	
15	0.49	0.51	1.42	0.99	0.96	1.19	0.96	0.73	0.59	0.53	0.52	0.53	
16	0.50	0.50	1.25	0.94	0.99	1.18	0.93	0.67	0.57	0.52	0.54	0.54	
17	0.50	0.50	1.14	1.14	0.96	1.26	0.93	0.66	0.56	0.52	0.54	0.53	
18	0.49	0.52	1.06	1.14	1.64	1.23	0.92	0.65	0.59	0.53	0.54	0.52	
19	0.49	0.52	0.99	1.08	1.52	1.21	0.89	0.65	0.58	0.53	0.51	0.51	
20	0.52	0.56	0.95	1.04	1.54	1.19	0.90	0.67	0.55	0.55	0.51	0.52	
21	0.55	0.56	0.94	1.07	1.41	1.21	0.91	0.68	0.54	0.54	0.52	0.52	
22	0.55	0.63	1.08	1.19	1.35	1.28	0.86	0.67	0.53	0.54	0.53	0.52	
23	0.56	0.65	1.03	1.18	1.33	1.17	0.86	0.66	0.62	0.53	0.53	0.54	
24	0.53	0.83	0.97	1.15	1.73	1.12	0.85	0.66	0.60	0.51	0.51	0.54	
25	0.53	0.84	0.94	1.09	1.53	1.08	0.83	0.66	0.53	0.51	0.50	0.52	
26	0.56	0.76	0.99	1.09	1.44	1.04	0.81	0.66	0.54	0.52	0.50	0.53	
27	0.55	0.64	1.00	1.03	1.37	1.04	0.80	0.71	0.53	0.52	0.50	0.52	
28	0.55	0.60	1.15	1.03	1.32	1.00	0.84	0.71	0.53	0.51	0.54	0.52	
29	0.56	0.58	1.19	1.12	1.27	1.01	0.85	0.74	0.49	0.52	0.54	0.54	
30	0.56	0.59	1.14	1.09	1.27	1.10	0.81	0.71	0.59	0.53		0.55	
31		0.64		1.07	1.25		0.81		0.59	0.51		0.54	
MEAN	0.52	0.58	1.08	1.04	1.34	1.18	0.94	0.70	0.59	0.54	0.52	0.52	
MAX	0.56	0.84	1.74	1.19	1.80	1.33	1.17	0.74	0.72	0.59	0.56	0.55	1.80
MIN	0.49	0.50	0.76	0.93	0.96	1.00	0.80	0.65	0.49	0.51	0.50	0.50	0.49

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.90 M (A.D.), AT 6.00 HOURS, ON AUG 4, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.10 M (A.D.)

LEFT BANK ELEVATION — 4.00 M (A.D.)

RIGHT BANK ELEVATION — 6.00 M (A.D.), DRAINAGE AREA 192 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.25	5.43	3.88	27.35	9.31	4.32	0.88	0.79	0.37	0.20	0.20	
2	0.15	0.22	1.52	4.10	16.50	8.34	3.88	0.83	0.79	0.32	0.17	0.22	
3	0.20	0.27	0.96	3.58	23.15	7.78	3.73	0.88	0.79	0.30	0.30	0.17	
4	0.13	0.32	2.99	3.14	91.50	9.72	6.10	0.88	0.79	0.25	0.17	0.17	
5	0.17	0.32	2.40	2.84	28.40	8.62	8.06	0.83	0.52	0.20	0.17	0.20	
6	0.17	0.27	1.90	2.84	25.25	15.10	5.88	0.88	0.58	0.27	0.22	0.17	
7	0.20	0.22	6.10	3.44	22.10	12.59	5.21	0.88	0.74	0.32	0.22	0.17	
8	0.17	0.25	4.55	3.14	17.20	13.00	5.21	0.83	0.32	0.27	0.17	0.15	
9	0.17	0.25	4.10	2.84	12.59	10.95	4.55	0.70	0.30	0.27	0.25	0.22	
10	0.13	0.25	5.88	3.58	10.13	10.13	3.73	0.67	0.27	0.27	0.20	0.20	
11	0.20	0.22	8.06	3.58	9.72	8.34	3.44	0.64	0.27	0.22	0.17	0.20	
12	0.15	0.20	13.70	8.06	7.78	8.62	3.73	0.64	0.25	0.25	0.20	0.20	
13	0.15	0.20	18.60	6.66	7.22	8.06	3.44	0.64	0.40	0.32	0.20	0.22	
14	0.13	0.20	75.60	4.77	3.88	9.31	3.44	0.67	0.37	0.35	0.17	0.20	
15	0.13	0.17	22.10	3.73	3.29	8.62	3.29	0.83	0.37	0.22	0.20	0.22	
16	0.15	0.15	10.95	2.99	3.73	8.34	2.84	0.61	0.32	0.20	0.25	0.25	
17	0.15	0.15	7.22	7.22	3.29	11.36	2.84	0.58	0.30	0.20	0.25	0.22	
18	0.13	0.20	5.21	7.22	53.00	10.13	2.70	0.55	0.37	0.22	0.25	0.20	
19	0.13	0.20	3.73	5.66	33.40	9.31	2.27	0.55	0.35	0.22	0.17	0.17	
20	0.20	0.30	3.14	4.77	36.30	8.62	2.40	0.61	0.27	0.27	0.17	0.20	
21	0.27	0.30	2.99	5.43	21.05	9.31	2.55	0.64	0.25	0.25	0.20	0.20	
22	0.27	0.49	5.66	8.62	16.50	12.18	1.90	0.61	0.22	0.25	0.22	0.20	
23	0.30	0.55	4.55	8.34	15.10	8.06	1.90	0.58	0.46	0.22	0.22	0.25	
24	0.22	1.52	3.44	7.50	72.95	6.66	1.77	0.58	0.40	0.17	0.17	0.25	
25	0.22	1.64	2.99	5.88	34.85	5.66	1.52	0.58	0.22	0.17	0.15	0.20	
26	0.30	0.96	3.73	5.88	24.20	4.77	1.27	0.58	0.25	0.20	0.15	0.22	
27	0.27	0.52	3.88	4.55	17.90	4.77	1.14	0.74	0.22	0.20	0.15	0.20	
28	0.27	0.40	7.50	4.55	14.40	3.88	1.64	0.74	0.22	0.17	0.25	0.20	
29	0.30	0.35	8.62	6.66	11.77	4.10	1.77	0.88	0.13	0.20	0.25	0.25	
30	0.30	0.37	7.22	5.88	11.77	6.10	1.27	0.74	0.37	0.22		0.27	
31		0.52		5.43	10.95		1.27		0.37	0.17		0.25	
TOTAL	5.88	12.23	254.72	156.76	687.22	261.74	99.06	21.25	12.27	7.53	5.86	6.44	1530.96 CMSDAY
MEAN	0.20	0.39	8.49	5.06	22.17	8.72	3.20	0.71	0.40	0.24	0.20	0.21	4.18 CMS
MAX	0.30	1.64	75.60	8.62	91.50	15.10	8.06	0.88	0.79	0.37	0.30	0.27	91.50 CMS
MIN	0.13	0.15	0.96	2.84	3.29	3.88	1.14	0.55	0.13	0.17	0.15	0.15	0.13 CMS
RUNOFF	0.508	1.057	22.008	13.544	59.376	22.614	8.559	1.836	1.060	0.651	0.506	0.556	132.275 MCM

MOMENTARY PEAK 123.00 CMS, AT 1.90 M (A.D), AT 6.00 HOURS, ON AUG 4, 1979

RUNOFF YIELD 21.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 640.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

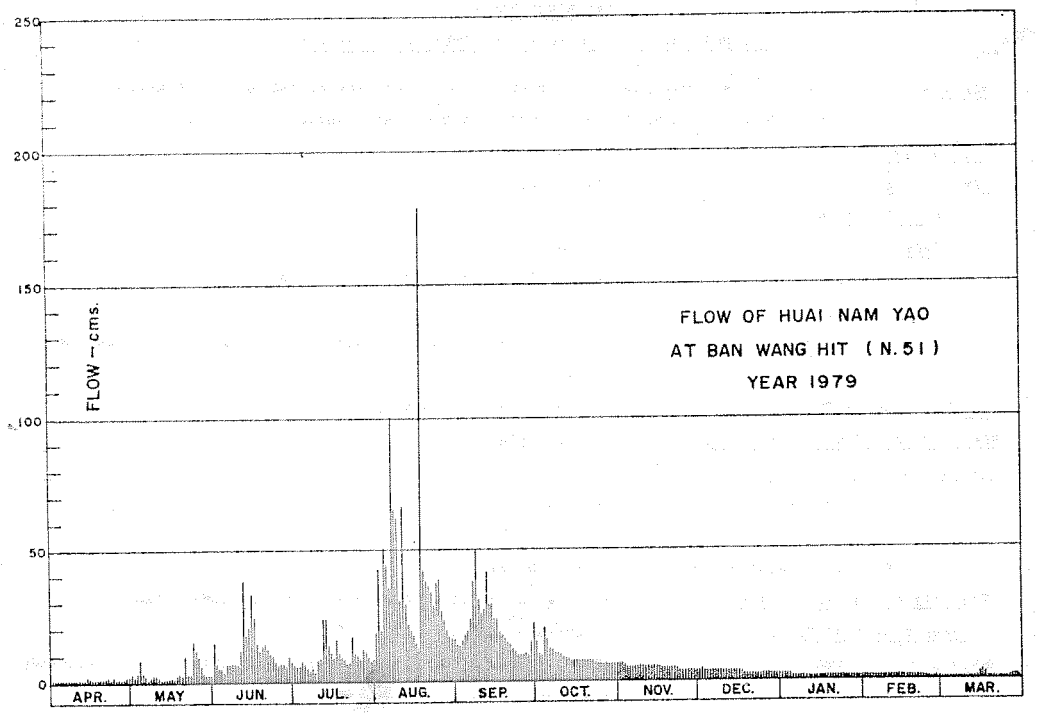
HUAI NAM YAO AT BAN WANG HIT, NAN (N.51)

LOCATION	LAT. 19°09'31" N., LONG. 100°46'56" E., ON RIGHT BANK BEHIND THE PHA TO TOBACCO'S HOUSE AT BAN WANG HIT, AMPHOE THA WANG PHA, NAN.
DRAINAGE AREA	774 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+230.10 M. (M.S.L.)
BENCH MARK	B.M. FROM MET. NO.04
LOCATION	ON LEFT BANK ABOUT 2 METERS UPSTREAM FROM MEASURING POLE.
ELEVATION	+237.344 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	230.81	230.95	231.39	231.06	231.41	231.35	231.36	231.11	231.01	230.91	230.84	230.80	
2	230.81	230.87	231.04	231.07	231.95	231.37	231.27	231.10	231.02	230.90	230.84	230.80	
3	230.81	231.17	231.03	231.07	231.49	231.42	231.24	231.10	231.01	230.90	230.85	230.79	
4	230.80	230.95	230.98	231.14	232.09	231.45	231.52	231.09	231.01	230.90	230.85	230.79	
5	230.80	230.85	230.95	231.07	231.82	231.51	231.43	231.09	231.01	230.89	230.86	230.79	
6	230.80	230.81	231.10	231.04	231.85	231.61	231.33	231.08	231.01	230.89	230.85	230.79	
7	230.80	230.82	231.10	231.01	232.76	231.83	231.29	231.08	231.00	230.89	230.85	230.79	
8	230.80	230.90	231.10	231.02	232.30	232.08	231.26	231.08	231.00	230.89	230.85	230.79	
9	230.80	230.91	231.10	231.01	232.18	231.78	231.25	231.08	231.00	230.89	230.85	230.79	
10	230.80	230.86	231.13	231.14	231.76	231.64	231.27	231.07	230.99	230.89	230.84	230.78	
11	230.80	230.82	231.33	231.20	232.34	231.68	231.23	231.07	230.98	230.88	230.84	230.78	
12	230.80	230.81	231.88	231.60	231.76	231.94	231.21	231.07	230.98	230.88	230.84	230.78	
13	230.82	230.80	231.47	231.60	231.60	231.64	231.20	231.07	230.98	230.88	230.84	230.78	
14	230.85	230.80	231.56	231.37	231.51	231.71	231.17	231.06	230.97	230.88	230.84	230.78	
15	230.83	230.80	231.79	231.26	231.48	231.60	231.17	231.06	230.97	230.88	230.83	230.90	
16	230.82	230.81	231.64	231.18	231.38	231.60	231.17	231.06	230.97	230.88	230.83	230.99	
17	230.81	230.87	231.41	231.40	231.33	231.49	231.16	231.05	230.97	230.87	230.83	230.93	
18	230.81	230.91	231.31	231.28	233.60	231.46	231.16	231.05	230.96	230.87	230.83	230.82	
19	230.81	230.86	231.33	231.22	232.09	231.41	231.15	231.04	230.96	230.87	230.83	230.80	
20	230.80	231.22	231.39	231.15	231.92	231.38	231.15	231.03	230.96	230.87	230.83	230.80	
21	230.80	230.91	231.29	231.13	231.86	231.35	231.15	231.02	230.96	230.87	230.83	230.78	
22	230.84	230.90	231.24	231.18	231.81	231.33	231.14	231.02	230.95	230.86	230.84	230.78	
23	230.81	230.87	231.22	231.43	231.71	231.31	231.13	231.02	230.94	230.86	230.84	230.78	
24	230.83	231.39	231.14	231.27	231.84	231.28	231.13	231.01	230.93	230.86	230.83	230.78	
25	230.81	231.33	231.08	231.22	231.88	231.26	231.13	231.01	230.93	230.86	230.82	230.78	
26	230.81	231.21	231.11	231.19	231.72	231.25	231.13	231.01	230.93	230.86	230.81	230.81	
27	230.81	231.07	231.09	231.32	231.61	231.26	231.13	231.01	230.92	230.85	230.81	230.83	
28	230.81	230.96	231.24	231.31	231.51	231.27	231.12	231.01	230.92	230.85	230.83	230.83	
29	230.83	230.92	231.21	231.20	231.46	231.44	231.12	231.01	230.92	230.85	230.80	230.83	
30	230.85	230.90	231.14	231.16	231.41	231.57	231.11	231.01	230.91	230.85		230.82	
31		230.89		231.20	231.40		231.11		230.91	230.84		230.81	
MEAN	230.81	230.94	231.26	231.21	231.83	231.51	231.21	231.05	230.97	230.87	230.84	230.81	
MAX	230.85	231.39	231.88	231.60	233.60	232.08	231.52	231.11	231.02	230.91	230.86	230.99	233.60
MIN	230.80	230.80	230.95	231.01	231.33	231.25	231.11	231.01	230.91	230.84	230.80	230.78	230.78

ANNUAL MAX. MOMENTARY GAGE HEIGHT 233.95 M (MSL), AT 11.00 HOURS, ON AUG 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 230.10 M (MSL), RIVER BED 229.90 M (MSL)
LEFT BANK ELEVATION 241.69 M (MSL)
RIGHT BANK ELEVATION 242.80 M (MSL), DRAINAGE AREA 774 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.33	3.30	15.15	5.54	15.92	13.75	14.10	6.75	4.34	2.66	1.72	1.20	
2	1.33	2.11	5.06	5.78	41.75	14.45	11.10	6.50	4.58	2.50	1.72	1.20	
3	1.33	8.25	4.82	5.78	19.28	16.34	10.20	6.50	4.34	2.50	1.85	1.08	
4	1.20	3.30	3.78	7.50	50.17	17.60	20.56	6.26	4.34	2.50	1.85	1.08	
5	1.20	1.85	3.30	5.78	34.60	20.13	16.76	6.26	4.34	2.37	1.98	1.08	
6	1.20	1.33	6.50	5.06	36.25	24.44	13.05	6.02	4.34	2.37	1.85	1.08	
7	1.20	1.46	6.50	4.34	99.64	35.15	11.70	6.02	4.10	2.37	1.85	1.08	
8	1.20	2.50	6.50	4.58	64.10	49.54	10.80	6.02	4.10	2.37	1.85	1.08	
9	1.20	2.66	6.50	4.34	55.92	32.48	10.50	6.02	4.10	2.37	1.85	1.08	
10	1.20	1.98	7.25	7.50	31.46	25.76	11.10	5.78	3.94	2.37	1.72	0.96	
11	1.20	1.46	13.05	9.00	66.86	27.52	9.90	5.78	3.78	2.24	1.72	0.96	
12	1.20	1.33	37.90	24.00	31.46	41.20	9.30	5.78	3.78	2.24	1.72	0.96	
13	1.46	1.20	18.44	24.00	24.00	25.76	9.00	5.78	3.78	2.24	1.72	0.96	
14	1.85	1.20	22.28	14.45	20.13	28.91	8.25	5.54	3.62	2.24	1.72	0.96	
15	1.59	1.20	32.99	10.80	18.86	24.00	8.25	5.54	3.62	2.24	1.59	2.50	
16	1.46	1.33	25.76	8.50	14.80	24.00	8.25	5.54	3.62	2.24	1.59	3.94	
17	1.33	2.11	15.92	15.50	13.05	19.28	8.00	5.30	3.62	2.11	1.59	2.98	
18	1.33	2.66	12.35	11.40	179.00	18.02	8.00	5.30	3.46	2.11	1.59	1.46	
19	1.33	1.98	13.05	9.60	50.17	15.92	7.75	5.06	3.46	2.11	1.59	1.20	
20	1.20	9.60	15.15	7.75	40.10	14.80	7.75	4.82	3.46	2.11	1.59	1.20	
21	1.20	2.66	11.70	7.25	36.80	13.75	7.75	4.58	3.46	2.11	1.59	0.96	
22	1.72	2.50	10.20	8.50	34.05	13.05	7.50	4.58	3.30	1.98	1.72	0.96	
23	1.33	2.11	9.60	15.76	28.91	12.35	7.25	4.58	3.14	1.98	1.72	0.96	
24	1.59	15.15	7.50	11.10	35.70	11.40	7.25	4.34	2.98	1.98	1.59	0.96	
25	1.33	13.05	6.02	9.60	37.90	10.80	7.25	4.34	2.98	1.98	1.46	0.96	
26	1.33	9.30	6.75	8.75	29.42	10.50	7.25	4.34	2.98	1.98	1.33	1.33	
27	1.33	5.78	6.26	12.70	24.44	10.80	7.25	4.34	2.82	1.85	1.33	1.59	
28	1.33	3.46	10.20	12.35	20.13	11.10	7.00	4.34	2.82	1.85	1.59	1.59	
29	1.59	2.82	9.30	9.00	18.02	17.18	7.00	4.34	2.82	1.85	1.20	1.59	
30	1.85	2.50	7.50	8.00	15.92	22.71	6.75	4.34	2.66	1.85		1.46	
31		2.37		9.00	15.50		6.75		2.66	1.72		1.33	
TOTAL	40.94	114.51	357.28	304.21	1204.31	622.69	293.32	160.69	111.34	67.39	48.19	41.73	3366.59 CMSDAY
MEAN	1.36	3.69	11.91	9.81	38.85	20.76	9.46	5.36	3.59	2.17	1.66	1.35	9.20 CMS
MAX	1.85	15.15	37.90	24.00	179.00	49.54	20.56	6.75	4.58	2.66	1.98	3.94	179.00 CMS
MIN	1.20	1.20	3.30	4.34	13.05	10.50	6.75	4.34	2.66	1.72	1.20	0.96	0.96 CMS
RUNOFF	3.537	9.894	30.869	26.284	104.052	53.800	25.343	13.884	9.620	5.822	4.164	3.605	290.874 MCM

MOMENTARY PEAK 217.99 CMS, AT 233.95 M (MSL), AT 11.00 HOURS, ON AUG 18, 1979

RUNOFF YIELD 11.88 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 281.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAN RIVER BASIN

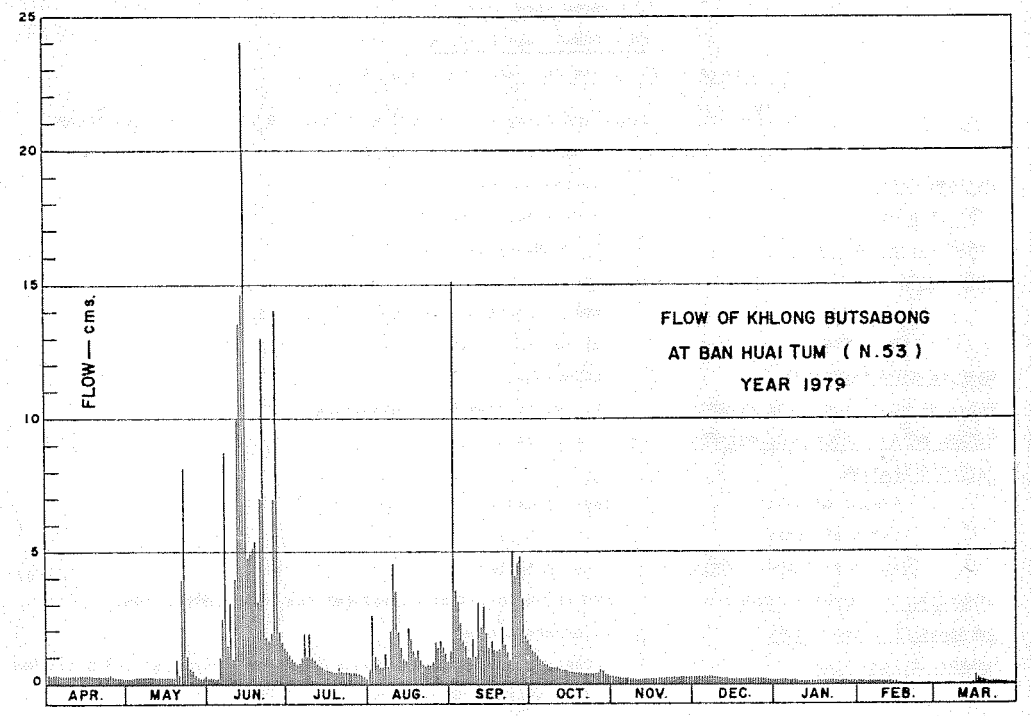
KHLONG BUTSABONG AT BAN HUAI TUM, PHETCHABUN (N.53)

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

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.56	0.59	0.74	0.68	0.75	0.75	0.62	0.53	0.43	0.39	0.25	
2	0.50	0.55	0.57	0.72	0.85	1.24	0.75	0.62	0.52	0.43	0.39	0.24	
3	0.50	0.55	0.57	0.71	0.73	0.90	0.73	0.61	0.52	0.43	0.39	0.22	
4	0.50	0.54	0.59	0.70	0.70	0.86	0.72	0.61	0.52	0.43	0.39	0.20	
5	0.50	0.53	0.70	0.70	0.69	0.79	0.71	0.61	0.52	0.42	0.39	0.20	
6	0.50	0.53	0.80	0.72	0.68	0.77	0.70	0.61	0.52	0.42	0.39	0.19	
7	0.50	0.52	1.10	0.81	0.74	0.73	0.70	0.60	0.50	0.42	0.39	0.17	
8	0.50	0.53	0.76	0.73	0.69	0.72	0.68	0.60	0.48	0.42	0.39	0.11	
9	0.50	0.52	0.88	0.81	0.84	0.79	0.68	0.60	0.48	0.42	0.39	0.08	
10	0.50	0.51	0.72	0.73	0.95	0.73	0.68	0.59	0.46	0.40	0.39	0.08	
11	0.50	0.56	0.92	0.72	0.91	0.88	0.67	0.59	0.46	0.40	0.39	0.08	
12	0.50	0.57	1.21	0.70	0.81	0.82	0.67	0.59	0.46	0.40	0.39	0.08	
13	0.50	0.57	1.23	0.69	0.76	0.87	0.67	0.59	0.46	0.40	0.38	0.08	
14	0.50	0.58	1.37	0.67	0.72	0.81	0.66	0.58	0.45	0.40	0.38	0.08	
15	0.50	0.57	1.16	0.67	0.71	0.76	0.65	0.58	0.45	0.39	0.37	0.14	
16	0.50	0.55	0.96	0.66	0.82	0.79	0.65	0.57	0.45	0.39	0.35	0.52	
17	0.50	0.55	0.97	0.66	0.76	0.75	0.65	0.56	0.45	0.39	0.32	0.44	
18	0.50	0.53	0.98	0.65	0.73	0.75	0.65	0.56	0.45	0.39	0.31	0.40	
19	0.50	0.52	0.99	0.65	0.75	0.76	0.65	0.56	0.45	0.39	0.30	0.40	
20	0.50	0.72	0.88	0.68	0.72	0.82	0.64	0.56	0.45	0.39	0.29	0.39	
21	0.49	0.63	1.20	0.65	0.70	0.77	0.64	0.55	0.45	0.39	0.29	0.39	
22	0.48	1.08	0.85	0.65	0.69	0.74	0.64	0.55	0.45	0.39	0.29	0.38	
23	0.50	1.04	0.80	0.65	0.70	0.72	0.64	0.55	0.45	0.39	0.28	0.38	
24	0.54	0.73	0.78	0.65	0.70	0.97	0.64	0.55	0.45	0.39	0.28	0.38	
25	0.63	0.67	0.81	0.65	0.71	0.93	0.64	0.54	0.45	0.39	0.28	0.38	
26	0.61	0.66	1.22	0.65	0.78	0.95	0.65	0.54	0.45	0.39	0.28	0.37	
27	0.56	0.62	0.84	0.65	0.76	0.96	0.67	0.54	0.45	0.39	0.27	0.37	
28	0.55	0.61	0.80	0.64	0.79	0.87	0.66	0.54	0.45	0.39	0.26	0.37	
29	0.59	0.60	0.77	0.63	0.76	0.80	0.64	0.53	0.43	0.39	0.25	0.36	
30	0.58	0.56	0.76	0.63	0.73	0.79	0.63	0.53	0.43	0.39		0.32	
31		0.63		0.60	0.71		0.62		0.73	0.39		0.26	
MEAN	0.52	0.61	0.89	0.68	0.75	0.83	0.67	0.57	0.48	0.40	0.34	0.27	
MAX	0.63	1.08	1.37	0.81	0.95	1.24	0.75	0.62	0.73	0.43	0.39	0.52	1.37
MIN	0.48	0.51	0.57	0.60	0.68	0.72	0.62	0.53	0.43	0.39	0.25	0.08	0.08

ANNUAL MAX MOMENTARY GAGE HEIGHT M (A.D), AT HOURS, ON
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.23 M (A.D)
LEFT BANK ELEVATION 8.50 M (A.D)
RIGHT BANK ELEVATION 8.50 M (A.D), DRAINAGE AREA 111 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.22	0.18	1.17	0.63	1.28	1.28	0.29	0.26	0.16	0.08	0.00	
2	0.30	0.23	0.21	0.96	2.60	15.16	1.28	0.29	0.27	0.16	0.08	0.00	
3	0.30	0.23	0.21	0.85	1.06	3.40	1.06	0.23	0.27	0.16	0.08	0.00	
4	0.30	0.25	0.18	0.75	0.75	2.76	0.96	0.23	0.27	0.16	0.08	0.00	
5	0.30	0.26	0.75	0.75	0.69	1.69	0.85	0.23	0.27	0.14	0.08	0.00	
6	0.30	0.26	1.80	0.96	0.63	1.49	0.75	0.23	0.27	0.14	0.08	0.00	
7	0.30	0.27	8.80	1.96	1.17	1.06	0.75	0.17	0.30	0.14	0.08	0.00	
8	0.30	0.26	1.38	1.06	0.69	0.96	0.63	0.17	0.26	0.14	0.08	0.00	
9	0.30	0.27	3.08	1.96	2.44	1.69	0.63	0.17	0.26	0.14	0.08	0.00	
10	0.30	0.29	0.96	1.06	4.55	1.06	0.63	0.18	0.22	0.10	0.08	0.00	
11	0.30	0.22	3.86	0.96	3.63	3.08	0.58	0.18	0.22	0.10	0.08	0.00	
12	0.30	0.21	13.54	0.75	1.96	2.12	0.58	0.18	0.22	0.10	0.08	0.00	
13	0.30	0.21	14.62	0.69	1.38	2.92	0.58	0.18	0.22	0.10	0.06	0.00	
14	0.30	0.20	24.00	0.58	0.96	1.96	0.52	0.20	0.20	0.10	0.06	0.00	
15	0.30	0.21	11.32	0.58	0.85	1.38	0.46	0.20	0.20	0.08	0.04	0.00	
16	0.30	0.23	4.78	0.52	2.12	1.69	0.46	0.21	0.20	0.08	0.00	0.27	
17	0.30	0.23	5.01	0.52	1.38	1.28	0.46	0.22	0.20	0.08	0.00	0.18	
18	0.30	0.26	5.24	0.46	1.06	1.28	0.46	0.22	0.20	0.08	0.00	0.10	
19	0.30	0.27	5.47	0.46	1.28	1.38	0.46	0.22	0.20	0.08	0.00	0.10	
20	0.30	0.96	3.08	0.63	0.96	2.12	0.40	0.22	0.20	0.08	0.00	0.08	
21	0.28	0.34	13.00	0.46	0.75	1.49	0.40	0.23	0.20	0.08	0.00	0.08	
22	0.26	8.18	2.60	0.46	0.69	1.17	0.40	0.23	0.20	0.08	0.00	0.06	
23	0.30	6.94	1.80	0.46	0.75	0.96	0.40	0.23	0.20	0.08	0.00	0.06	
24	0.25	1.06	1.59	0.46	0.75	5.01	0.40	0.23	0.20	0.08	0.00	0.06	
25	0.34	0.58	1.96	0.46	0.85	4.09	0.40	0.25	0.20	0.08	0.00	0.06	
26	0.23	0.52	14.08	0.46	1.59	4.55	0.46	0.25	0.20	0.08	0.00	0.04	
27	0.22	0.29	2.44	0.46	1.38	4.78	0.58	0.25	0.20	0.08	0.00	0.04	
28	0.23	0.23	1.80	0.40	1.69	2.92	0.52	0.25	0.20	0.08	0.00	0.04	
29	0.18	0.17	1.49	0.34	1.38	1.80	0.40	0.26	0.16	0.08	0.00	0.02	
30	0.20	0.22	1.38	0.34	1.06	1.69	0.34	0.26	0.16	0.08		0.00	
31		0.34		0.17	0.85		0.29		1.06	0.08		0.00	
TOTAL	8.49	24.41	150.61	22.10	42.53	78.22	18.37	6.66	7.69	3.20	1.12	1.19	364.59 CMSDAY
MEAN	0.28	0.79	5.02	0.71	1.37	2.61	0.59	0.22	0.25	0.10	0.04	0.04	1.00 CMS
MAX	0.34	8.18	24.00	1.96	4.55	15.16	1.28	0.29	1.06	0.16	0.08	0.27	24.00 CMS
MIN	0.18	0.17	0.18	0.17	0.63	0.96	0.29	0.17	0.16	0.08	0.00	0.00	0.00 CMS
RUNOFF	0.734	2.109	13.013	1.909	3.675	6.758	1.587	0.575	0.664	0.276	0.097	0.103	31.501 MCM

MOMENTARY PEAK CMS, AT M (A.D), AT HOURS, ON

RUNOFF YIELD 8.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 0.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHAO PHRAYA RIVER BASIN

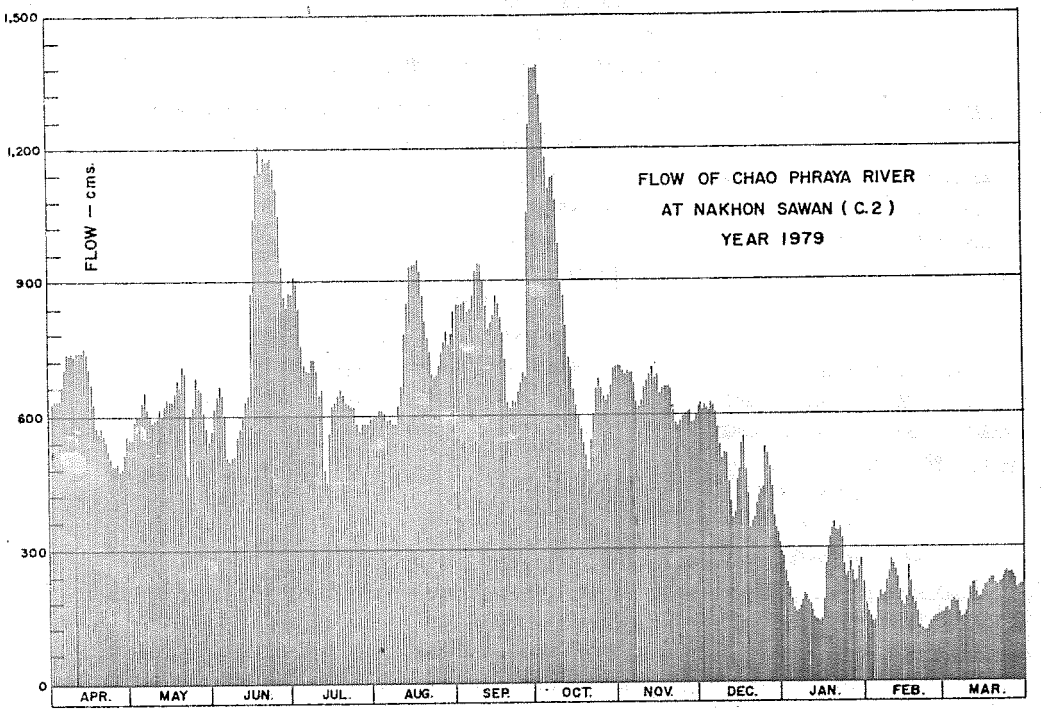
CHAO PHRAYA RIVER AT NAKHON SAWAN, NAKHON SAWAN (C.2)

LOCATION	LAT. 15°-40'-15" N., LONG. 100°-06'-45" E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM DECHATIWONG BRIDGE, AMPHOE MUANG, NAKHON SAWAN.
DRAINAGE AREA	110,569 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+17.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D.
LOCATION	ABOUT 20 METERS WEST OF THE GAGE SITE.
ELEVATION	+25.628 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1914 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1956 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1956 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 147 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	19.84	19.59	19.69	20.62	19.75	20.55	21.92	20.12	19.85	18.53	18.01	17.91	
2	19.87	19.59	19.81	20.73	19.81	20.56	21.94	20.10	19.80	18.35	17.85	17.91	
3	19.88	19.72	19.91	20.65	19.80	20.56	21.78	20.07	19.83	18.18	17.75	17.88	
4	19.88	19.75	19.96	20.33	19.79	20.58	21.64	20.05	19.81	18.04	17.74	18.02	
5	19.96	19.77	19.89	20.13	19.78	20.52	21.45	20.07	19.85	17.93	17.97	17.99	
6	20.10	19.87	19.71	20.08	19.71	20.52	21.28	20.07	19.83	17.88	18.13	17.90	
7	20.21	19.93	19.42	20.09	19.72	20.62	21.34	19.91	19.77	17.95	18.05	17.79	
8	20.21	19.75	19.43	20.17	19.69	20.78	21.34	19.79	19.62	18.04	18.10	17.80	
9	20.21	19.74	19.47	20.17	19.70	20.83	21.20	19.87	19.43	18.08	18.33	17.85	
10	20.20	19.72	19.59	20.08	19.82	20.80	20.93	19.96	19.49	18.01	18.48	18.11	
11	20.22	19.73	19.64	19.90	20.05	20.71	20.64	20.01	19.46	17.96	18.44	18.22	
12	20.22	19.82	19.70	19.62	20.35	20.52	20.41	20.05	19.22	17.84	18.37	18.22	
13	20.24	19.74	19.84	19.40	20.56	20.39	20.21	20.12	18.88	17.79	18.28	18.08	
14	20.25	19.84	19.91	19.25	20.79	20.44	20.11	20.04	18.96	17.77	18.10	18.04	
15	20.17	19.88	20.29	19.63	20.82	20.51	19.95	20.06	19.25	17.76	17.93	18.10	
16	20.03	19.86	20.64	19.84	20.81	20.60	19.82	19.92	19.49	18.05	18.05	18.19	
17	19.85	19.86	21.11	19.87	20.85	20.55	19.73	19.95	19.60	18.46	18.39	18.22	
18	19.70	19.94	21.39	19.90	20.79	20.37	19.65	19.96	19.38	18.66	18.23	18.27	
19	19.62	20.02	21.52	19.96	20.63	20.17	19.54	19.97	19.12	18.81	18.00	18.28	
20	19.67	19.98	21.38	19.92	20.46	19.88	19.43	19.97	18.82	18.87	17.85	18.23	
21	19.61	20.10	21.45	19.85	20.34	19.81	19.34	19.82	18.91	18.77	17.67	18.21	
22	19.57	20.04	21.43	19.85	20.20	19.88	19.60	19.70	19.05	18.80	17.63	18.24	
23	19.48	19.31	21.45	19.83	20.04	19.85	19.93	19.69	19.13	18.69	17.61	18.32	
24	19.40	19.78	21.41	19.83	20.05	19.94	20.03	19.72	19.20	18.40	17.67	18.36	
25	19.39	19.86	21.28	19.71	20.10	19.99	19.98	19.76	19.52	18.32	17.74	18.33	
26	19.40	20.04	21.13	19.65	20.22	20.07	19.92	19.77	19.47	18.46	17.81	18.34	
27	19.34	19.96	20.79	19.69	20.30	20.04	19.86	19.80	19.36	18.35	17.84	18.27	
28	19.37	19.93	20.58	19.72	20.38	21.13	19.91	19.72	19.19	18.26	17.85	18.31	
29	19.46	19.79	20.54	19.70	20.28	21.84	19.97	19.72	18.83	18.40	17.86	18.34	
30	19.60	19.66	20.63	19.73	20.35	21.91	20.08	19.79	18.76	18.48		18.36	
31		19.56		19.74	20.47		20.12		18.66	18.23		18.40	
MEAN	19.83	19.81	20.43	19.92	20.21	20.50	20.42	19.92	19.34	18.26	17.99	18.14	
MAX	20.25	20.10	21.52	20.73	20.85	21.91	21.94	20.12	19.85	18.87	18.48	18.40	21.94
MIN	19.34	19.31	19.42	19.25	19.69	19.81	19.34	19.69	18.66	17.76	17.61	17.79	17.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 21.99 M (MSL), AT 22.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION 17.00 M (MSL), RIVER BED 14.00 M (MSL)
LEFT BANK ELEVATION 25.78 M (MSL)
RIGHT BANK ELEVATION 26.24 M (MSL), DRAINAGE AREA 110569 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	622.0	547.0	577.0	866.8	595.0	843.0	1380.8	706.0	625.0	281.6	179.9	161.8	
2	631.0	547.0	613.0	904.5	613.0	846.4	1389.6	700.0	610.0	245.0	151.5	161.8	
3	634.0	586.0	643.0	877.0	610.0	846.4	1319.2	691.0	619.0	212.2	135.0	156.6	
4	634.0	595.0	658.0	769.9	607.0	853.2	1257.6	685.0	613.0	185.6	133.4	181.8	
5	658.0	601.0	637.0	709.0	604.0	832.8	1174.5	691.0	625.0	165.4	172.6	176.2	
6	700.0	631.0	583.0	694.0	583.0	832.8	1105.4	691.0	619.0	156.6	202.7	160.0	
7	733.0	649.0	496.0	697.0	586.0	866.8	1129.0	643.0	601.0	169.0	187.5	141.4	
8	733.0	595.0	499.0	721.0	577.0	922.0	1129.0	607.0	556.0	185.6	197.0	143.0	
9	733.0	592.0	511.0	721.0	580.0	939.5	1075.0	631.0	499.0	193.2	241.0	151.5	
10	730.0	586.0	547.0	694.0	616.0	929.0	974.8	658.0	517.0	179.9	271.0	198.9	
11	736.0	589.0	562.0	640.0	685.0	897.5	873.6	673.0	508.0	170.8	263.0	219.8	
12	736.0	616.0	580.0	556.0	776.5	832.8	796.3	685.0	445.0	149.8	249.0	219.8	
13	742.0	592.0	622.0	490.0	846.4	789.7	733.0	706.0	362.2	141.4	231.2	193.2	
14	745.0	622.0	643.0	452.5	925.5	806.2	703.0	682.0	381.4	138.2	197.0	185.6	
15	721.0	634.0	757.0	559.0	936.0	829.4	655.0	688.0	452.5	136.6	165.4	197.0	
16	679.0	628.0	873.6	622.0	932.5	860.0	616.0	646.0	517.0	187.5	187.5	214.1	
17	625.0	628.0	1040.8	631.0	946.5	843.0	589.0	655.0	550.0	267.0	253.0	219.8	
18	580.0	652.0	1149.0	640.0	925.5	783.1	565.0	658.0	485.0	310.8	221.7	229.3	
19	556.0	676.0	1204.8	658.0	870.2	721.0	532.0	661.0	420.0	345.4	178.0	231.2	
20	571.0	664.0	1145.0	646.0	812.8	634.0	499.0	661.0	347.8	359.8	151.5	221.7	
21	553.0	700.0	1174.5	625.0	773.2	613.0	475.0	616.0	369.4	336.1	122.2	217.9	
22	541.0	682.0	1165.9	625.0	730.0	634.0	550.0	580.0	403.0	343.0	115.8	223.6	
23	514.0	467.5	1174.5	619.0	682.0	625.0	649.0	577.0	422.5	317.7	112.6	239.0	
24	490.0	604.0	1157.3	619.0	685.0	652.0	679.0	586.0	440.0	255.0	122.2	247.0	
25	487.5	628.0	1105.4	583.0	700.0	667.0	664.0	598.0	526.0	239.0	133.4	241.0	
26	490.0	682.0	1048.4	565.0	736.0	691.0	646.0	601.0	511.0	267.0	144.7	243.0	
27	475.0	658.0	925.5	577.0	760.0	682.0	628.0	610.0	480.0	245.0	149.8	229.3	
28	482.5	649.0	853.2	586.0	786.4	1048.4	643.0	586.0	437.5	227.4	151.5	237.0	
29	508.0	607.0	839.6	580.0	754.0	1345.6	661.0	586.0	350.2	255.0	153.2	243.0	
30	550.0	568.0	870.2	589.0	776.5	1376.4	694.0	607.0	333.8	271.0		247.0	
31		538.0		592.0	816.1		706.0		310.8	221.7		255.0	
TOTAL	18590.0	19013.5	24655.7	20108.7	22827.1	25043.0	25491.8	19365.0	14937.1	7159.3	5174.3	6387.3	208752.6 CMSDAY
MEAN	619.7	613.3	821.9	648.7	736.4	834.8	822.3	645.5	481.8	230.9	178.4	206.0	570.4 CMS
MAX	745.0	700.0	1204.8	904.5	946.5	1376.4	1389.6	706.0	625.0	359.8	271.0	255.0	1389.6 CMS
MIN	475.0	467.5	496.0	452.5	577.0	613.0	475.0	577.0	310.8	136.6	112.6	141.4	112.6 CMS
RUNOFF	1606.18	1642.77	2130.25	1737.39	1972.26	2163.71	2202.49	1673.14	1290.56	618.56	447.06	551.86	18036.23 MCM

MOMENTARY PEAK 1411.60 CMS, AT 21.99 M (MSL), AT 22.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 5.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHAO PHRAYA RIVER BASIN

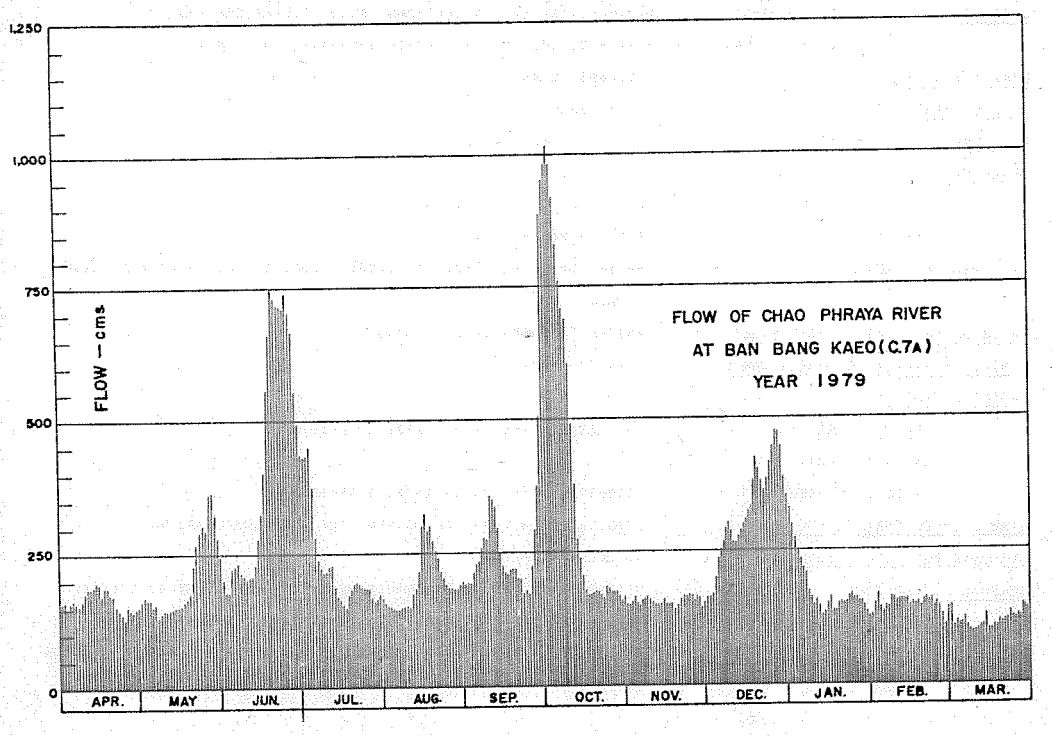
CHAO PHRAYA RIVER AT BAN BANG KAEO, ANG THONG (C.7A)

LOCATION	LAT. 14-35-05 N., LONG. 100-27-12 E., ON LEFT BANK ABOUT 150 METERS UPSTREAM FROM C.7, BAN BANG KAEO, AMPHOE MUANG, ANG THONG.
DRAINAGE AREA	FLOOD PLAIN.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 3 METERS NORTH OF THE GAGE SITE.
ELEVATION	+7.085 M. (M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1976-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 88 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.64	0.64	0.91	2.22	0.62	0.87	4.69	0.60	0.68	1.67	0.47	0.57	
2	0.68	0.70	0.78	2.20	0.62	0.89	4.83	0.60	0.69	1.50	0.58	0.24	
3	0.57	0.69	0.74	2.32	0.57	0.87	4.98	0.68	0.75	1.37	0.71	0.35	
4	0.64	0.67	0.90	2.25	0.59	1.00	4.83	0.69	0.90	1.22	0.54	0.33	
5	0.67	0.61	1.08	1.87	0.54	1.11	4.54	0.59	1.14	1.12	0.48	0.30	
6	0.65	0.57	1.13	1.36	0.55	1.14	4.14	0.67	1.28	1.03	0.56	0.38	
7	0.61	0.43	1.07	1.12	0.55	1.29	3.82	0.68	1.36	0.97	0.56	0.26	
8	0.67	0.47	0.99	1.05	0.56	1.40	3.57	0.71	1.48	0.73	0.67	0.23	
9	0.69	0.50	0.98	0.99	0.58	1.39	3.44	0.66	1.52	0.67	0.67	0.19	
10	0.76	0.56	0.94	1.02	0.60	1.83	3.06	0.62	1.42	0.60	0.63	0.18	
11	0.82	0.52	0.95	1.09	0.59	1.77	2.50	0.58	1.31	0.64	0.65	0.22	
12	0.81	0.54	0.98	1.08	0.76	1.68	1.93	0.62	1.36	0.53	0.65	0.28	
13	0.86	0.56	1.08	0.94	0.84	1.48	1.50	0.58	1.43	0.43	0.66	0.28	
14	0.90	0.60	1.41	0.74	1.00	1.16	1.13	0.63	1.51	0.48	0.65	0.45	
15	0.89	0.59	1.62	0.66	1.46	1.00	0.97	0.66	1.56	0.57	0.53	0.22	
16	0.73	0.59	2.05	0.63	1.66	0.98	0.78	0.55	1.65	0.68	0.60	0.21	
17	0.82	0.64	2.51	0.55	1.48	1.02	0.73	0.62	1.71	0.51	0.59	0.27	
18	0.82	0.68	3.05	0.73	1.52	1.04	0.72	0.60	1.96	0.47	0.61	0.26	
19	0.75	0.72	3.50	0.78	1.46	1.05	0.76	0.51	2.18	0.58	0.56	0.36	
20	0.76	0.74	3.76	0.84	1.36	0.94	0.78	0.61	2.07	0.63	0.65	0.32	
21	0.62	1.09	3.68	0.88	1.19	0.92	0.76	0.66	1.94	0.60	0.66	0.36	
22	0.50	1.27	3.61	0.88	1.06	0.79	0.71	0.71	1.87	0.63	0.64	0.36	
23	0.54	1.44	3.61	0.84	0.97	0.75	0.69	0.69	1.95	0.70	0.66	0.49	
24	0.49	1.56	3.59	0.83	0.87	0.80	0.82	0.72	2.09	0.71	0.55	0.43	
25	0.40	1.48	3.70	0.82	0.81	0.94	0.80	0.70	2.23	0.66	0.60	0.36	
26	0.57	1.64	3.58	0.80	0.83	1.19	0.74	0.63	2.36	0.66	0.59	0.44	
27	0.53	1.84	3.37	0.70	0.82	1.48	0.76	0.70	2.44	0.61	0.45	0.39	
28	0.54	1.86	2.97	0.65	0.76	1.94	0.76	0.68	2.42	0.61	0.29	0.57	
29	0.59	1.66	2.54	0.68	0.82	3.06	0.68	0.54	2.25	0.54	0.52	0.56	
30	0.57	1.41	2.22	0.75	0.87	4.39	0.64	0.61	1.96	0.47		0.52	
31		1.15		0.69	0.89		0.70		1.79	0.37		0.53	
MEAN	0.67	0.92	2.11	1.06	0.90	1.34	1.99	0.64	1.65	0.74	0.59	0.35	
MAX	0.90	1.86	3.76	2.32	1.66	4.39	4.98	0.72	2.44	1.67	0.71	0.57	4.98
MIN	0.40	0.43	0.74	0.55	0.54	0.75	0.64	0.51	0.68	0.37	0.29	0.18	0.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.99 M (MSL), AT 15.00 HOURS, ON OCT 22, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED -4.51 M (MSL)
LEFT BANK ELEVATION 7.10 M (MSL)
RIGHT BANK ELEVATION 6.20 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	156.0	156.0	196.6	430.8	153.0	190.5	950.8	150.0	162.0	326.6	133.1	146.1	
2	162.0	165.0	177.0	427.0	153.0	193.5	981.6	150.0	163.5	296.0	147.4	103.8	
3	146.1	163.5	171.0	449.8	146.1	190.5	1015.4	162.0	172.5	273.9	166.5	117.5	
4	156.0	160.5	195.0	436.5	148.7	211.0	981.6	163.5	195.0	248.4	142.2	114.9	
5	160.5	151.5	224.6	364.3	142.2	229.7	917.8	148.7	234.8	231.4	134.4	111.0	
6	157.5	146.1	233.1	272.2	143.5	234.8	829.8	160.5	258.6	216.1	144.8	121.4	
7	151.5	127.9	222.9	231.4	143.5	260.3	759.4	162.0	272.2	206.2	144.8	106.2	
8	160.5	133.1	209.4	219.5	144.8	279.0	705.7	166.5	292.6	169.5	160.5	102.6	
9	163.5	137.0	207.8	209.4	147.4	277.3	678.4	159.0	299.6	160.5	160.5	97.8	
10	174.0	144.8	201.4	214.4	150.0	356.7	598.6	153.0	282.4	150.0	154.5	96.6	
11	183.0	139.6	203.0	226.3	148.7	345.3	485.0	147.4	263.7	156.0	157.5	101.4	
12	181.5	142.2	207.8	224.6	174.0	328.4	375.7	153.0	272.2	140.9	157.5	108.6	
13	189.0	144.8	224.6	201.4	186.0	292.6	296.0	147.4	284.1	127.9	159.0	108.6	
14	195.0	150.0	280.7	171.0	211.0	238.2	233.1	154.5	297.8	134.4	157.5	130.5	
15	193.5	148.7	317.6	159.0	289.2	211.0	206.2	159.0	306.8	146.1	140.9	101.4	
16	169.5	148.7	398.5	154.5	324.8	207.8	177.0	143.5	323.0	162.0	150.0	100.2	
17	183.0	156.0	487.0	143.5	292.6	214.4	169.5	153.0	333.9	138.3	148.7	107.4	
18	183.0	162.0	596.5	169.5	299.6	217.8	168.0	150.0	381.4	133.1	151.5	106.2	
19	172.5	168.0	691.0	177.0	289.2	219.5	174.0	138.3	423.2	147.4	144.8	118.8	
20	174.0	171.0	746.2	186.0	272.2	201.4	177.0	151.5	402.3	154.5	157.5	113.6	
21	153.0	226.3	728.8	192.0	243.3	198.2	174.0	159.0	377.6	150.0	159.0	118.8	
22	137.0	256.9	714.1	192.0	221.2	178.5	166.5	166.5	364.3	154.5	156.0	118.8	
23	142.2	285.8	714.1	186.0	206.2	172.5	163.5	163.5	379.5	165.0	159.0	135.7	
24	135.7	306.8	709.9	184.5	190.5	180.0	183.0	168.0	406.1	166.5	143.5	127.9	
25	124.0	292.6	733.0	183.0	181.5	201.4	180.0	165.0	432.7	159.0	150.0	118.8	
26	146.1	321.2	707.8	180.0	184.5	243.3	171.0	154.5	457.4	159.0	148.7	129.2	
27	140.9	358.6	663.7	165.0	183.0	292.6	174.0	165.0	473.0	151.5	130.5	122.7	
28	142.2	362.4	579.7	157.5	177.0	377.6	174.0	162.0	469.0	151.5	109.8	146.1	
29	148.7	324.8	493.0	162.0	183.0	598.6	162.0	142.2	436.5	142.2	139.6	144.8	
30	146.1	280.7	430.8	172.5	190.5	884.8	156.0	151.5	381.4	133.1		139.6	
31		236.5		163.5	193.5		165.0		349.1	120.1		140.9	
TOTAL	4827.5	6269.0	12666.6	7006.1	6113.7	8227.2	12749.6	4670.0	10148.2	5371.6	4309.7	3657.9	86017.0 CMSDAY
MEAN	160.9	202.2	422.2	226.0	197.2	274.2	411.3	155.7	327.4	173.3	148.6	118.0	235.0 CMS
MAX	195.0	362.4	746.2	449.8	324.8	884.8	1015.4	168.0	473.0	326.6	166.5	146.1	1015.4 CMS
MIN	124.0	127.9	171.0	143.5	142.2	172.5	156.0	138.3	162.0	120.1	109.8	96.6	96.6 CMS
RUNOFF	417.10	541.64	1094.39	605.33	528.22	710.83	1101.56	403.49	876.80	464.11	372.36	316.04	7431.87 MCM

MOMENTARY PEAK 1017.70 CMS, AT 4.99 M (MSL), AT 15.00 HOURS, ON OCT 22, 1979

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

WATER YEAR 1979

CHAO PHRAYA RIVER BASIN

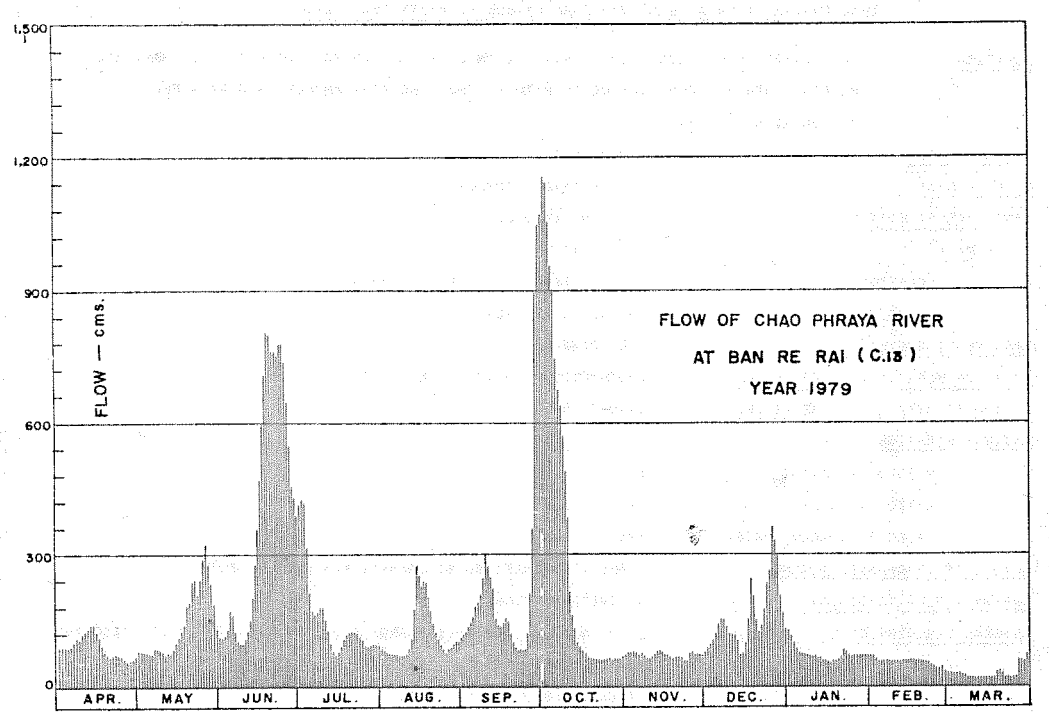
CHAO PHRAYA RIVER AT BAN RE RAI, CHAI NAT (C.13)

LOCATION	LAT. 15°-09'-57" N., LONG. 100°-11'-32" E., ON LEFT BANK ABOUT 1.5 KILOMETERS DOWNSTREAM FROM CHAO PHRAYA DIVERSION DAM, AMPHOE SANPHAYA, CHAI NAT.
DRAINAGE AREA	120.693 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+6.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+15.634 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1947 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1953-1962, 1965-1968, 1972, 1975-1976
RATED BY FLOAT	-
RATED BY CURRENT METER	1953-1962, 1965-1968, 1972, 1975-1976
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 63 DISCHARGE MEASUREMENTS MADE DURING 1965-1968, 1972, 1975-1976. FLOW REGULATED BY CHAO PHRAYA DIVERSION DAM AT ABOVE GAGE SITE WHICH DIVERTED FOR IRRIGATION OF ABOUT 979,000 HECTARES.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.06	6.99	7.29	9.04	7.09	7.39	11.32	6.95	7.04	7.41	6.90	6.40	
2	7.06	6.99	7.31	9.07	7.00	7.40	11.55	6.99	7.15	7.33	6.88	6.39	
3	7.07	6.97	7.35	9.00	6.99	7.50	11.50	6.99	7.22	7.19	6.78	6.39	
4	7.07	6.97	7.46	8.63	6.96	7.56	11.08	6.99	7.31	7.02	6.77	6.39	
5	7.07	6.94	7.71	7.95	6.95	7.65	10.74	6.96	7.42	6.92	6.77	6.39	
6	7.12	6.92	7.62	7.69	6.93	7.83	10.31	6.95	7.52	6.92	6.77	6.30	
7	7.24	7.03	7.37	7.65	6.92	7.88	10.02	6.97	7.59	6.91	6.77	6.29	
8	7.27	7.07	7.21	7.69	6.92	8.04	9.96	6.84	7.57	6.90	6.77	6.21	
9	7.32	7.00	7.20	7.75	6.91	8.47	9.60	6.80	7.41	6.89	6.77	6.19	
10	7.38	7.00	7.25	7.76	6.94	8.35	9.04	6.85	7.35	6.87	6.77	6.19	
11	7.39	6.93	7.37	7.54	7.04	8.24	8.20	6.93	7.35	6.86	6.77	6.20	
12	7.43	6.93	7.48	7.32	7.22	8.08	7.66	6.98	7.34	6.83	6.77	6.20	
13	7.49	7.02	7.82	7.14	7.44	7.63	7.40	7.06	7.19	6.80	6.77	6.20	
14	7.51	7.00	8.16	6.95	8.11	7.50	7.20	7.05	6.93	6.74	6.77	6.20	
15	7.48	7.11	8.54	6.92	8.33	7.49	7.06	6.99	7.02	6.73	6.77	6.19	
16	7.38	7.27	9.11	7.04	8.08	7.50	6.96	6.95	7.25	6.72	6.77	6.19	
17	7.21	7.35	9.68	7.23	8.15	7.60	6.87	6.83	7.62	6.72	6.77	6.19	
18	7.00	7.45	10.22	7.30	8.16	7.60	6.84	6.83	8.16	6.75	6.77	6.25	
19	6.87	7.57	10.50	7.37	7.90	7.42	6.83	6.83	7.91	6.78	6.77	6.49	
20	6.85	7.83	10.49	7.40	7.71	7.24	6.82	6.83	7.57	6.82	6.77	6.49	
21	6.88	7.85	10.37	7.40	7.46	7.08	6.82	6.86	7.40	6.90	6.75	6.39	
22	6.89	8.13	10.37	7.39	7.35	7.04	6.82	6.81	7.59	7.01	6.73	6.20	
23	6.94	8.15	10.33	7.37	7.23	7.08	6.82	6.79	7.88	6.96	6.69	6.20	
24	6.83	7.93	10.42	7.30	7.10	7.06	6.83	6.80	8.16	6.90	6.65	6.20	
25	6.81	8.24	10.43	7.26	7.02	7.19	6.83	7.00	8.28	6.90	6.59	6.20	
26	6.74	8.47	10.16	7.13	7.04	7.71	6.83	7.01	8.76	6.90	6.60	6.29	
27	6.73	8.59	9.81	7.11	7.10	8.35	6.83	6.93	8.55	6.90	6.60	6.80	
28	6.78	8.26	9.24	7.14	7.22	9.25	6.83	6.94	8.43	6.90	6.59	6.76	
29	6.80	8.02	9.05	7.17	7.26	11.05	6.83	6.94	7.88	6.90	6.47	6.75	
30	6.88	7.71	8.88	7.17	7.23	11.26	6.85	6.95	7.62	6.91		6.95	
31		7.39		7.10	7.30		6.92		7.43	6.91		6.56	
MEAN	7.08	7.45	8.74	7.55	7.32	7.91	8.13	6.92	7.61	6.91	6.74	6.36	
MAX	7.51	8.59	10.50	9.07	8.33	11.26	11.55	7.06	8.76	7.41	6.90	6.95	11.55
MIN	6.73	6.92	7.20	6.92	6.91	7.04	6.82	6.79	6.93	6.72	6.47	6.19	6.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.60 M (MSL), AT 12.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 6.00 M (MSL), RIVER BED 2.80 M (MSL)
LEFT BANK ELEVATION 15.70 M (MSL)
RIGHT BANK ELEVATION 16.00 M (MSL), DRAINAGE AREA 120693 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	86.4	80.1	110.8	422.4	89.1	124.6	1075.2	76.5	84.6	127.5	72.0	30.0	
2	86.4	80.1	113.4	428.7	81.0	126.0	1158.0	80.1	95.0	116.2	70.2	29.5	
3	87.3	78.3	119.0	414.0	80.1	141.0	1140.0	80.1	102.4	99.0	61.2	29.5	
4	87.3	78.3	135.0	336.3	77.4	150.0	991.2	80.1	113.4	82.8	60.3	29.5	
5	87.3	75.6	172.5	209.0	76.5	163.5	876.8	77.4	129.0	73.8	60.3	29.5	
6	92.0	73.8	159.0	169.5	74.7	190.5	743.0	76.5	144.0	73.8	60.3	25.0	
7	104.8	83.7	121.8	163.5	73.8	198.0	660.6	78.3	154.5	72.9	60.3	24.5	
8	108.4	87.3	101.2	169.5	73.8	223.8	643.8	66.6	151.5	72.0	60.3	20.5	
9	114.8	81.0	100.0	178.5	72.9	303.0	551.0	63.0	127.5	71.1	60.3	19.6	
10	123.2	81.0	106.0	180.0	75.6	279.5	422.4	67.5	119.0	69.3	60.3	19.6	
11	124.6	74.7	121.8	147.0	84.6	259.2	252.0	74.7	119.0	68.4	60.3	20.0	
12	130.5	74.7	138.0	114.8	102.4	230.6	165.0	79.2	117.6	65.7	60.3	20.0	
13	139.5	82.8	189.0	94.0	132.0	160.5	126.0	86.4	99.0	63.0	60.3	20.0	
14	142.5	81.0	244.8	76.5	235.8	141.0	100.0	85.5	74.7	57.6	60.3	20.0	
15	138.0	91.0	317.4	73.8	275.7	139.5	86.4	80.1	82.8	56.7	60.3	19.6	
16	123.2	108.4	437.2	84.6	230.6	141.0	77.4	76.5	106.0	55.8	60.3	19.6	
17	101.2	119.0	571.0	103.6	243.0	156.0	69.3	65.7	159.0	55.8	60.3	19.6	
18	81.0	133.5	716.8	112.0	244.8	156.0	66.6	65.7	244.8	58.5	60.3	22.5	
19	69.3	151.5	800.0	121.8	201.0	129.0	65.7	65.7	202.6	61.2	60.3	36.3	
20	67.5	190.5	797.0	126.0	172.5	104.8	64.8	65.7	151.5	64.8	60.3	36.3	
21	70.2	193.5	761.0	126.0	135.0	88.2	64.8	68.4	126.0	72.0	58.5	29.5	
22	71.1	239.4	761.0	124.6	119.0	84.6	64.8	63.9	154.5	81.9	56.7	20.0	
23	75.6	243.0	749.0	121.8	103.6	88.2	64.8	62.1	198.0	77.4	53.1	20.0	
24	65.7	205.8	776.0	112.0	90.0	86.4	65.7	63.0	244.8	72.0	49.5	20.0	
25	63.9	259.2	779.0	107.2	82.8	99.0	65.7	81.0	266.4	72.0	44.2	20.0	
26	57.6	303.0	699.8	93.0	84.6	172.5	65.7	81.9	363.6	72.0	45.0	24.5	
27	56.7	327.9	603.6	91.0	90.0	279.5	65.7	74.7	319.5	72.0	45.0	63.0	
28	61.2	262.8	466.2	94.0	102.4	468.5	65.7	75.6	295.0	72.0	44.2	59.4	
29	63.0	220.4	424.5	97.0	107.2	981.0	65.7	75.6	198.0	72.0	34.9	58.5	
30	70.2	172.5	388.8	97.0	103.6	1053.6	67.5	76.5	159.0	72.9		76.5	
31		124.6		90.0	112.0		73.8		130.5	72.9		41.8	
TOTAL	2750.4	4458.4	11980.6	4879.1	3827.5	6919.0	10065.1	2214.0	5033.2	2275.0	1659.6	924.3	56986.1 CMSDAY
MEAN	91.7	143.8	399.4	157.4	123.5	230.6	324.7	73.8	162.4	73.4	57.2	29.8	155.7 CMS
MAX	142.5	327.9	800.0	428.7	275.7	1053.6	1158.0	86.4	363.6	127.5	72.0	76.5	1158.0 CMS
MIN	56.7	73.8	100.0	73.8	72.9	84.6	64.8	62.1	74.7	55.8	34.9	19.6	19.6 CMS
RUNOFF	237.63	385.21	1035.12	421.55	330.70	597.80	869.62	191.29	434.87	196.56	143.39	79.86	4923.60 MCM

MOMENTARY PEAK 1176.00 CMS, AT 11.60 M (MSL), AT 12.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 1.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.74 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHAO PHRAYA RIVER BASIN

CHAO PHRAYA RIVER AT BAN KUM, PHRA NAKHON SI AYUTTHAYA (C.15)

LOCATION — LAT. 14°-25'-35" N., LONG. 100°-29'-11" E., ON LEFT BANK INFRONT OF WAT CHULA MANI 100 METERS UPSTREAM FROM CONFLUENCE WITH KHLONG BANG BAN, AMPHOE BANG BAN, PHRA NAKHON SI AYUTTHAYA.

DRAINAGE AREA — FLOOD PLAIN.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — -0.25 M. (M.S.L.)

BENCH MARK — B.M.-C.15

LOCATION — ON LEFT BANK NORTH OF WAT CHULA MANI.

ELEVATION — +4.301 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1950 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1955

RATED BY FLOAT — -

RATED BY CURRENT METER — 1955

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

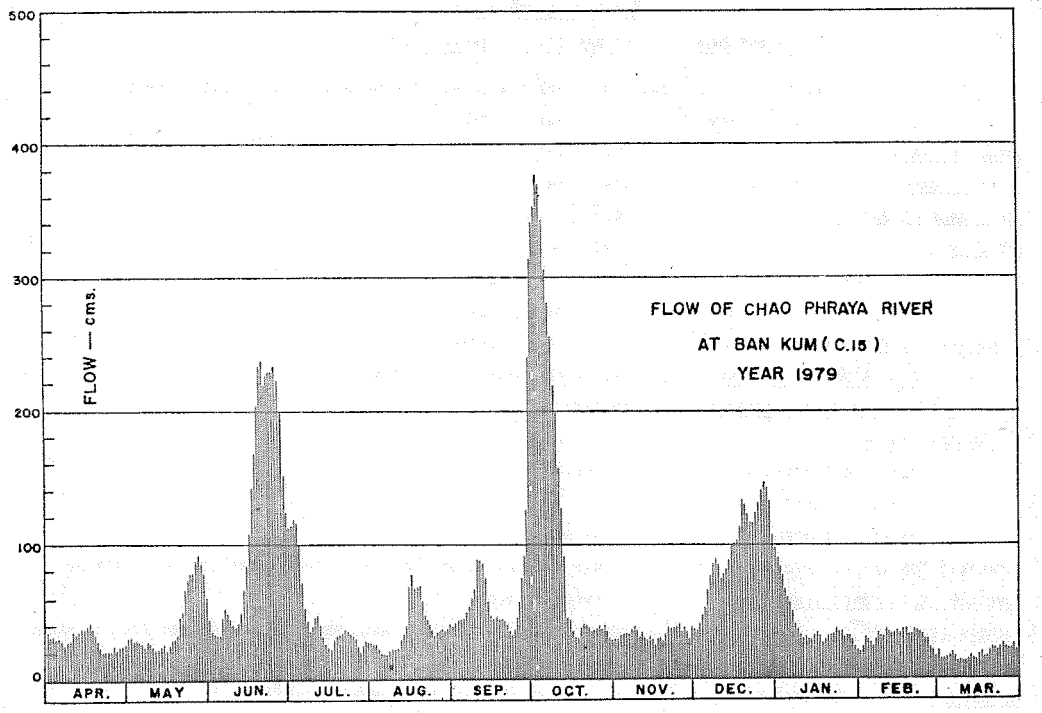
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 287 DISCHARGE MEASUREMENTS MADE IN 1955. FLOW REGULATED BY CHAO PHRAYA DIVERSION DAM AT CHAI NAT.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.46	0.63	1.53	0.38	0.59	3.58	0.45	0.56	1.26	0.30	0.31	
2	0.44	0.46	0.50	1.56	0.35	0.67	3.68	0.45	0.52	1.19	0.39	0.17	
3	0.48	0.44	0.47	1.60	0.35	0.65	3.79	0.50	0.70	1.08	0.46	0.18	
4	0.42	0.41	0.49	1.56	0.30	0.67	3.72	0.51	0.74	0.98	0.40	0.21	
5	0.44	0.41	0.52	1.31	0.24	0.74	3.51	0.49	0.90	0.87	0.35	0.23	
6	0.44	0.39	0.73	0.91	0.24	0.76	3.23	0.51	1.03	0.85	0.35	0.25	
7	0.35	0.36	0.80	0.75	0.25	0.83	2.96	0.56	1.14	0.70	0.51	0.19	
8	0.41	0.35	0.75	0.67	0.32	0.93	2.75	0.61	1.24	0.59	0.52	0.11	
9	0.43	0.41	0.68	0.54	0.33	1.02	2.63	0.54	1.25	0.54	0.44	0.13	
10	0.51	0.36	0.60	0.66	0.31	1.27	2.34	0.48	1.19	0.44	0.48	0.10	
11	0.51	0.30	0.61	0.71	0.36	1.26	1.93	0.53	1.07	0.50	0.57	0.15	
12	0.48	0.31	0.70	0.70	0.48	1.22	1.46	0.41	1.12	0.45	0.50	0.20	
13	0.58	0.32	0.78	0.61	0.54	1.09	1.10	0.43	1.21	0.41	0.51	0.22	
14	0.56	0.36	1.00	0.43	0.62	0.85	0.81	0.48	1.31	0.45	0.52	0.14	
15	0.56	0.38	1.23	0.37	0.99	0.69	0.65	0.42	1.42	0.50	0.52	0.16	
16	0.60	0.28	1.43	0.32	1.12	0.66	0.52	0.36	1.41	0.54	0.50	0.26	
17	0.63	0.36	1.84	0.32	0.99	0.68	0.44	0.45	1.44	0.46	0.58	0.26	
18	0.55	0.44	2.24	0.46	1.01	0.67	0.47	0.45	1.59	0.39	0.54	0.18	
19	0.46	0.44	2.57	0.49	1.00	0.67	0.58	0.40	1.77	0.46	0.49	0.23	
20	0.40	0.51	2.74	0.50	0.93	0.63	0.62	0.55	1.71	0.50	0.53	0.33	
21	0.30	0.72	2.73	0.50	0.72	0.61	0.58	0.58	1.59	0.50	0.55	0.34	
22	0.25	0.81	2.66	0.55	0.67	0.52	0.57	0.55	1.57	0.51	0.55	0.33	
23	0.28	1.02	2.68	0.53	0.60	0.47	0.53	0.57	1.58	0.58	0.53	0.29	
24	0.27	1.13	2.66	0.50	0.52	0.56	0.56	0.61	1.67	0.52	0.50	0.36	
25	0.25	1.10	2.73	0.48	0.49	0.72	0.60	0.63	1.75	0.52	0.44	0.38	
26	0.36	1.15	2.68	0.46	0.56	0.98	0.64	0.54	1.85	0.45	0.42	0.32	
27	0.30	1.26	2.51	0.37	0.54	1.15	0.56	0.59	1.90	0.49	0.32	0.31	
28	0.34	1.29	2.23	0.29	0.57	1.42	0.60	0.52	1.87	0.47	0.25	0.35	
29	0.36	1.19	1.89	0.35	0.55	2.11	0.49	0.44	1.78	0.39	0.22	0.37	
30	0.38	1.17	1.67	0.43	0.61	3.27	0.42	0.60	1.51	0.30		0.30	
31		0.99		0.40	0.62		0.43		1.41	0.28		0.39	
MEAN	0.43	0.63	1.52	0.67	0.57	0.95	1.51	0.51	1.35	0.59	0.46	0.25	
MAX	0.63	1.29	2.74	1.60	1.12	3.27	3.79	0.63	1.90	1.26	0.58	0.39	3.79
MIN	0.25	0.28	0.47	0.29	0.24	0.47	0.42	0.36	0.52	0.28	0.22	0.10	0.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.81 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION -0.25 M (MSL), RIVER BED -3.99 M (MSL)
LEFT BANK ELEVATION 4.79 M (MSL)
RIGHT BANK ELEVATION 4.55 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	35.20	31.60	42.10	112.70	26.80	39.40	346.20	31.00	37.60	89.80	22.00	22.60	
2	30.40	31.60	34.00	115.40	25.00	44.90	360.20	31.00	35.20	84.20	27.40	15.80	
3	32.80	30.40	32.20	119.00	25.00	43.50	375.60	34.00	47.00	75.40	31.60	16.20	
4	29.20	28.60	33.40	115.40	22.00	44.90	365.80	34.60	49.80	67.40	28.00	17.50	
5	30.40	28.60	35.20	93.80	19.00	49.80	336.40	33.40	61.00	58.90	25.00	18.50	
6	30.40	27.40	49.10	61.80	19.00	51.20	299.90	34.60	71.40	57.50	25.00	19.50	
7	25.00	25.60	54.00	50.50	19.50	56.10	265.20	37.60	80.20	47.00	34.60	16.60	
8	28.60	25.00	50.50	44.90	23.20	63.40	240.00	40.70	88.20	39.40	35.20	13.40	
9	29.80	28.60	45.60	36.40	23.80	70.60	225.60	36.40	89.00	36.40	30.40	14.20	
10	34.60	25.60	40.00	44.20	22.60	90.60	193.40	32.80	84.20	30.40	32.80	13.00	
11	34.60	22.00	40.70	47.70	25.60	89.80	150.00	35.80	74.60	34.00	38.20	15.00	
12	32.80	22.60	47.00	47.00	32.80	86.60	106.40	28.60	78.60	31.00	34.00	17.00	
13	38.80	23.20	52.60	40.70	36.40	76.20	77.00	29.80	85.80	28.60	34.60	18.00	
14	37.60	25.60	69.00	29.80	41.40	57.50	54.70	32.80	93.80	31.00	35.20	14.60	
15	37.60	26.80	87.40	26.20	68.20	46.30	43.50	29.20	102.80	34.00	35.20	15.40	
16	40.00	21.00	103.70	23.20	78.60	44.20	35.20	25.60	101.90	36.40	34.00	20.00	
17	42.10	25.60	141.00	23.20	68.20	45.60	30.40	31.00	104.60	31.60	38.80	20.00	
18	37.00	30.40	182.40	31.60	69.80	44.90	32.20	31.00	118.10	27.40	36.40	16.20	
19	31.60	30.40	218.70	33.40	69.00	44.90	38.80	28.00	134.30	31.60	33.40	18.50	
20	28.00	34.60	238.80	34.00	63.40	42.10	41.40	37.00	128.90	34.00	35.80	23.80	
21	22.00	48.40	237.60	34.00	48.40	40.70	38.80	38.80	118.10	34.00	37.00	24.40	
22	19.50	54.70	229.20	37.00	44.90	35.20	38.20	37.00	116.30	34.60	37.00	23.80	
23	21.00	70.60	231.60	35.80	40.00	32.20	35.80	38.20	117.20	38.80	35.80	21.50	
24	20.50	79.40	229.20	34.00	35.20	37.60	37.60	40.70	125.30	35.20	34.00	25.60	
25	19.50	77.00	237.60	32.80	33.40	48.40	40.00	42.10	132.50	35.20	30.40	26.80	
26	25.60	81.00	231.60	31.60	37.60	67.40	42.80	36.40	142.00	31.00	29.20	23.20	
27	22.00	89.80	212.10	26.20	36.40	81.00	37.60	39.40	147.00	33.40	23.20	22.60	
28	24.40	92.20	181.30	21.50	38.20	102.80	40.00	35.20	144.00	32.20	19.50	25.00	
29	25.60	84.20	146.00	25.00	37.00	168.10	33.40	30.40	135.20	27.40	18.00	26.20	
30	26.80	82.60	125.30	29.80	40.70	305.10	29.20	40.00	110.90	22.00		22.00	
31		68.20		28.00	41.40		29.80		101.90	21.00		27.40	
TOTAL	893.40	1373.30	3658.90	1466.60	1212.50	2051.00	4021.10	1033.10	3057.40	1250.80	911.70	614.30	21544.07 CMSDAY
MEAN	29.78	44.30	121.96	47.31	39.11	68.37	129.71	34.44	98.63	40.35	31.44	19.82	58.86 CMS
MAX	42.10	92.20	238.80	119.00	78.60	305.10	375.60	42.10	147.00	89.80	38.80	27.40	375.60 CMS
MIN	19.50	21.00	32.20	21.50	19.00	32.20	29.20	25.60	35.20	21.00	18.00	13.00	13.00 CMS
RUNOFF	77.190	118.653	316.129	126.714	104.760	177.206	347.423	89.260	264.159	108.069	78.771	53.075	1861.407 MCM

MOMENTARY PEAK 378.40 CMS, AT 3.81 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979

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

WATER YEAR 1979

CHAO PHRAYA RIVER BASIN

KHLONG BANG KAEO AT BAN IT, ANG THONG (C.28)

LOCATION — LAT. 14°-35'-32" N. LONG. 100°-28'-23" E., ON RIGHT BANK UNDER THE BRIDGE OF KHLONG BANG KAEO, BAN IT, AMPHOE MUANG, ANG THONG.

DRAINAGE AREA — FLOOD PLAIN.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK UNDER THE BRIDGE.

ELEVATION — +6.686 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 — 1972-1979

RATING OPERATION

PERIOD OF RATING — 1976-1978

RATED BY FLOAT — -

RATED BY CURRENT METER — 1976-1978

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 106 DISCHARGE MEASUREMENTS MADE DURING 1976-1978.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING JAN 12-MAR 31,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

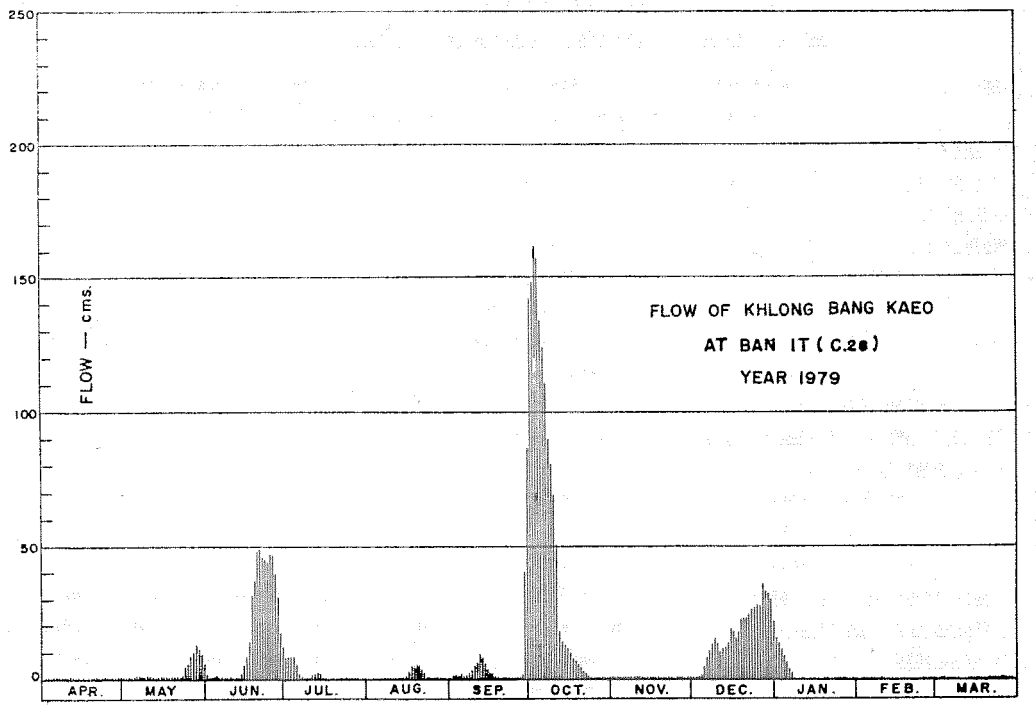
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.87	0.84	1.08	1.37	0.84	0.96	5.03	0.96	0.84	1.72	0.52	0.37	
2	0.86	0.83	0.97	1.42	0.81	1.07	5.13	0.95	0.82	1.65	0.49	0.36	
3	0.87	0.81	0.82	1.40	0.80	1.05	5.34	0.96	0.91	1.50	0.48	0.34	
4	0.85	0.78	0.79	1.43	0.81	1.08	5.29	0.97	1.08	1.42	0.47	0.36	
5	0.82	0.76	0.81	1.28	0.78	1.10	4.87	0.97	1.24	1.23	0.46	0.33	
6	0.79	0.74	0.87	1.06	0.83	1.06	4.63	0.95	1.45	1.13	0.50	0.32	
7	0.74	0.73	0.95	1.02	0.81	1.11	4.26	0.98	1.56	1.03	0.47	0.38	
8	0.73	0.71	0.96	0.98	0.82	1.13	3.75	0.96	1.70	0.87	0.49	0.37	
9	0.75	0.72	0.87	0.91	0.82	1.23	3.62	0.97	1.76	0.85	0.48	0.33	
10	0.75	0.73	0.90	0.96	0.78	1.32	3.28	0.98	1.68	0.63	0.46	0.32	
11	0.81	0.72	0.88	1.08	0.84	1.35	2.83	1.03	1.54	0.54	0.45	0.30	
12	0.83	0.74	0.94	1.09	0.87	1.48	1.76	1.02	1.58	0.54	0.44	0.29	
13	0.82	0.75	0.96	1.15	0.90	1.37	1.69	0.99	1.61	0.53	0.46	0.28	
14	0.84	0.75	1.09	1.07	0.98	1.26	1.62	0.96	1.68	0.51	0.47	0.23	
15	0.86	0.81	1.27	0.98	1.02	1.15	1.55	0.90	1.89	0.54	0.46	0.28	
16	0.89	0.83	1.46	0.86	1.16	1.10	1.48	0.78	1.89	0.53	0.44	0.22	
17	0.87	0.79	1.82	0.83	1.28	1.06	1.41	0.76	1.78	0.52	0.43	0.20	
18	0.86	0.82	2.36	0.94	1.20	1.02	1.34	0.75	1.87	0.51	0.42	0.18	
19	0.85	0.84	2.51	0.92	1.27	1.00	1.27	0.72	2.01	0.53	0.44	0.20	
20	0.81	0.87	2.80	0.88	1.23	0.91	1.20	0.71	2.03	0.51	0.43	0.22	
21	0.80	0.96	2.83	0.86	1.15	0.87	1.13	0.69	2.05	0.54	0.42	0.20	
22	0.82	1.03	2.74	0.93	1.08	0.82	1.06	0.68	2.13	0.52	0.41	0.17	
23	0.76	1.12	2.73	0.92	1.02	0.81	1.04	0.74	2.14	0.53	0.40	0.15	
24	0.73	1.23	2.69	0.87	0.96	0.83	1.01	0.81	2.16	0.50	0.39	0.16	
25	0.72	1.34	2.78	0.91	0.93	0.91	1.00	0.97	2.19	0.51	0.40	0.18	
26	0.68	1.42	2.78	0.91	0.91	0.98	1.03	0.95	2.18	0.52	0.39	0.14	
27	0.74	1.51	2.55	0.86	0.95	1.07	1.01	0.98	2.48	0.50	0.38	0.12	
28	0.75	1.62	2.21	0.89	0.90	1.18	1.03	0.99	2.36	0.49	0.39	0.15	
29	0.78	1.53	1.73	0.86	0.89	2.31	1.03	0.87	2.34	0.48	0.38	0.16	
30	0.78	1.40	1.48	0.92	0.96	3.82	0.96	0.86	2.23	0.50		0.12	
31		1.25		0.72	0.98		0.78		1.93	0.51		0.11	
MEAN	0.80	0.97	1.65	1.01	0.95	1.21	2.34	0.89	1.78	0.74	0.44	0.24	
MAX	0.89	1.62	2.83	1.43	1.28	3.82	5.34	1.03	2.48	1.72	0.52	0.38	5.34
MIN	0.68	0.71	0.79	0.72	0.78	0.81	0.78	0.68	0.82	0.48	0.38	0.11	0.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.34 M (MSL), AT 6.00 HOURS, ON OCT 3, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED 0.05 M (MSL)

LEFT BANK ELEVATION 6.76 M (MSL)

RIGHT BANK ELEVATION 6.80 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.60	7.40	0.00	0.00	144.00	0.00	0.00	14.40	0.00	0.00	
2	0.00	0.00	0.00	8.40	0.00	1.40	149.15	0.00	0.00	13.00	0.00	0.00	
3	0.00	0.00	0.00	8.00	0.00	1.00	160.70	0.00	0.00	10.00	0.00	0.00	
4	0.00	0.00	0.00	8.60	0.00	1.60	157.95	0.00	1.60	8.40	0.00	0.00	
5	0.00	0.00	0.00	5.60	0.00	2.00	136.00	0.00	4.80	4.60	0.00	0.00	
6	0.00	0.00	0.00	1.20	0.00	1.20	124.00	0.00	9.00	2.60	0.00	0.00	
7	0.00	0.00	0.00	0.40	0.00	2.20	106.70	0.00	11.20	0.60	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	2.60	83.87	0.00	14.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	4.60	78.35	0.00	15.20	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	6.40	64.80	0.00	13.60	0.00	0.00	0.00	
11	0.00	0.00	0.00	1.60	0.00	7.00	49.05	0.60	10.80	0.00	0.00	0.00	
12	0.00	0.00	0.00	1.80	0.00	9.60	15.20	0.40	11.60	0.00	0.00	0.00	
13	0.00	0.00	0.00	3.00	0.00	7.40	13.80	0.00	12.20	0.00	0.00	0.00	
14	0.00	0.00	1.80	1.40	0.00	5.20	12.40	0.00	13.60	0.00	0.00	0.00	
15	0.00	0.00	5.40	0.00	0.40	3.00	11.00	0.00	18.70	0.00	0.00	0.00	
16	0.00	0.00	9.20	0.00	3.20	2.00	9.60	0.00	18.70	0.00	0.00	0.00	
17	0.00	0.00	16.60	0.00	5.60	1.20	8.20	0.00	15.60	0.00	0.00	0.00	
18	0.00	0.00	32.80	0.00	4.00	0.40	6.80	0.00	18.10	0.00	0.00	0.00	
19	0.00	0.00	37.85	0.00	5.40	0.00	5.40	0.00	22.30	0.00	0.00	0.00	
20	0.00	0.00	48.00	0.00	4.60	0.00	4.00	0.00	22.90	0.00	0.00	0.00	
21	0.00	0.00	49.05	0.00	3.00	0.00	2.60	0.00	23.50	0.00	0.00	0.00	
22	0.00	0.60	45.90	0.00	1.60	0.00	1.20	0.00	25.90	0.00	0.00	0.00	
23	0.00	2.40	45.55	0.00	0.40	0.00	0.80	0.00	26.20	0.00	0.00	0.00	
24	0.00	4.60	44.15	0.00	0.00	0.00	0.20	0.00	26.80	0.00	0.00	0.00	
25	0.00	6.80	47.30	0.00	0.00	0.00	0.00	0.00	27.70	0.00	0.00	0.00	
26	0.00	8.40	47.30	0.00	0.00	0.00	0.60	0.00	27.40	0.00	0.00	0.00	
27	0.00	10.20	39.25	0.00	0.00	1.40	0.20	0.00	36.80	0.00	0.00	0.00	
28	0.00	12.40	28.30	0.00	0.00	3.60	0.60	0.00	32.80	0.00	0.00	0.00	
29	0.00	10.60	14.60	0.00	0.00	31.30	0.60	0.00	32.20	0.00	0.00	0.00	
30	0.00	8.00	9.60	0.00	0.00	86.90	0.00	0.00	28.90	0.00		0.00	
31		5.00		0.00	0.00		0.00		19.90	0.00		0.00	
TOTAL	0.00	69.00	524.25	47.40	28.20	182.00	1347.77	1.00	542.00	53.60	0.00	0.00	2795.22 CMSDAY
MEAN	0.00	2.23	17.47	1.53	0.91	6.07	43.48	0.03	17.48	1.73	0.00	0.00	7.64 CMS
MAX	0.00	12.40	49.05	8.60	5.60	86.90	160.70	0.60	36.80	14.40	0.00	0.00	160.70 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	5.962	45.295	4.095	2.436	15.725	116.447	0.086	46.829	4.631	0.000	0.000	241.507 MCM

MOMENTARY PEAK 160.70 CMS, AT 5.34 M (MSL), AT 6.00 HOURS, ON OCT 3, 1979

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

WATER YEAR 1979

SAKAE KRANG RIVER BASIN

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

LOCATION — LAT. 15°-47'-01" N., LONG. 99°-40'-55" E., ON LEFT BANK NEAR THE GAGE OBSERVER'S HOUSE AT BAN SAN CHAO KAI TO, AMPHOE LAT YAO, NAKHON SAWAN.

DRAINAGE AREA — 1,382 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK DOWNSTREAM AT THE FOOT OF THE BRIDGE.

ELEVATION — +5.322 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +4.04 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 58 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

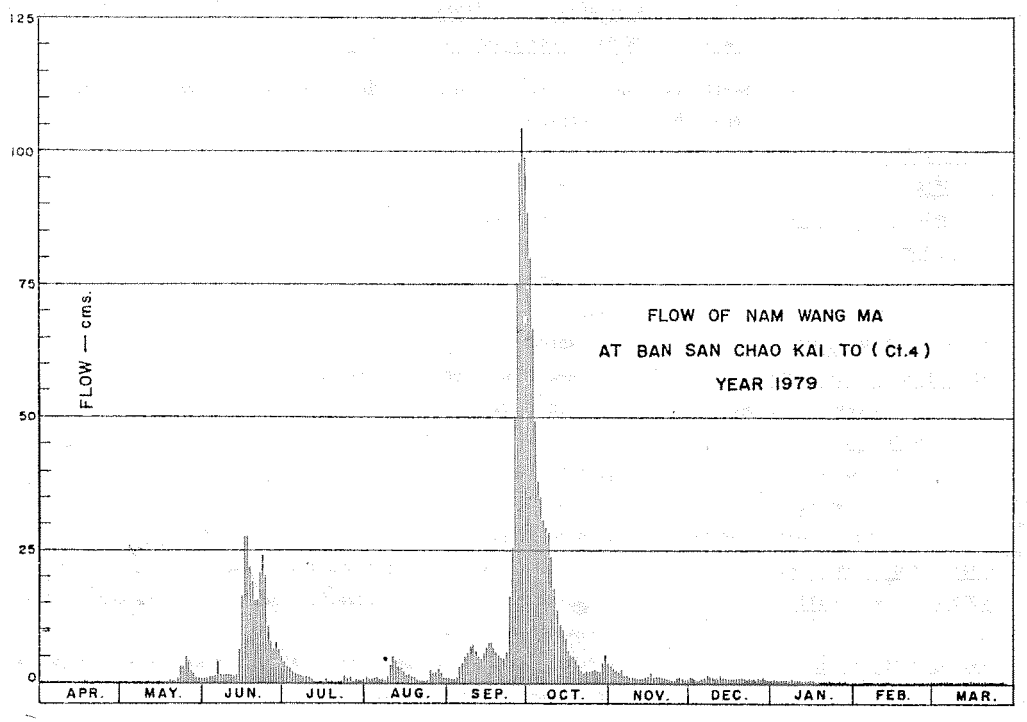
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.36	-0.35	0.06	0.36	0.06	-0.04	4.14	0.32	0.05	-0.08	-0.28	-0.30	
2	-0.37	-0.35	0.02	0.34	0.02	-0.07	4.09	0.28	-0.01	-0.08	-0.29	-0.33	
3	-0.37	-0.37	0.08	0.26	-0.02	0.00	4.00	0.22	-0.09	-0.10	-0.31	-0.33	
4	-0.37	-0.37	0.09	0.22	0.06	0.08	3.58	0.22	-0.08	-0.11	-0.28	-0.30	
5	-0.36	-0.38	0.07	0.16	0.07	0.35	2.86	0.18	-0.08	-0.13	-0.27	-0.31	
6	-0.36	-0.39	0.45	0.14	-0.05	0.38	2.72	0.08	-0.07	-0.13	-0.27	-0.31	
7	-0.37	-0.38	0.16	0.10	-0.07	0.52	2.23	0.05	0.07	-0.14	-0.26	-0.31	
8	-0.37	-0.36	0.18	0.10	-0.07	0.59	2.23	0.03	0.01	-0.14	-0.27	-0.32	
9	-0.37	-0.34	0.13	0.09	0.13	0.68	1.94	0.02	0.00	-0.14	-0.28	-0.32	
10	-0.37	-0.32	0.15	0.06	0.48	0.71	1.65	0.01	-0.05	-0.14	-0.28	-0.32	
11	-0.36	-0.35	0.14	-0.05	0.55	0.63	1.38	0.01	-0.03	-0.15	-0.30	-0.33	
12	-0.36	-0.36	0.08	-0.06	0.44	0.56	1.19	0.01	0.04	-0.15	-0.29	-0.34	
13	-0.36	-0.32	0.07	-0.12	0.33	0.49	0.99	-0.01	0.00	-0.21	-0.28	-0.34	
14	-0.35	-0.35	0.66	-0.13	0.28	0.57	0.94	0.06	-0.02	-0.19	-0.30	-0.31	
15	-0.36	-0.31	1.20	-0.10	0.23	0.67	0.80	0.10	-0.03	-0.19	-0.30	-0.32	
16	-0.36	-0.30	1.90	-0.12	0.11	0.73	0.64	0.11	-0.03	-0.21	-0.30	-0.32	
17	-0.37	-0.31	1.93	-0.03	0.14	0.76	0.63	0.02	-0.03	-0.23	-0.31	-0.32	
18	-0.37	-0.31	1.65	-0.08	0.12	0.74	0.56	0.04	-0.02	-0.23	-0.30	-0.34	
19	-0.37	-0.26	1.47	-0.14	0.07	0.66	0.52	0.03	-0.03	-0.22	-0.31	-0.35	
20	-0.37	-0.27	1.34	-0.14	0.02	0.56	0.44	0.01	-0.04	-0.22	-0.31	-0.29	
21	-0.38	-0.26	1.26	-0.21	-0.02	0.52	0.36	-0.01	-0.05	-0.26	-0.31	-0.31	
22	-0.38	0.04	1.60	-0.21	-0.02	0.49	0.33	-0.04	-0.05	-0.25	-0.30	-0.32	
23	-0.38	0.32	1.77	0.08	-0.03	0.59	0.24	-0.06	-0.04	-0.26	-0.31	-0.33	
24	-0.37	0.30	1.44	0.10	-0.04	1.25	0.22	-0.11	-0.04	-0.27	-0.31	-0.33	
25	-0.37	0.48	1.02	0.02	0.27	1.81	0.23	-0.09	-0.08	-0.28	-0.31	-0.33	
26	-0.37	0.34	0.74	0.06	0.22	2.58	0.25	0.01	-0.06	-0.26	-0.32	-0.34	
27	-0.36	0.17	0.64	-0.09	0.21	3.62	0.26	-0.01	-0.07	-0.26	-0.32	-0.34	
28	-0.36	0.14	0.78	-0.02	0.29	4.26	0.24	-0.05	-0.09	-0.28	-0.31	-0.34	
29	-0.36	0.05	0.66	-0.03	0.19	4.28	0.45	-0.13	-0.08	-0.30	-0.32	-0.35	
30	-0.35	0.00	0.48	-0.07	0.12	4.17	0.56	-0.13	-0.08	-0.31		-0.36	
31		-0.02		-0.04	0.02		0.37		-0.10	-0.30		-0.38	
MEAN	-0.37	-0.17	0.74	0.01	0.13	1.10	1.32	0.04	-0.04	-0.20	-0.30	-0.33	
MAX	-0.35	0.48	1.93	0.36	0.55	4.28	4.14	0.32	0.07	-0.08	-0.26	-0.29	4.28
MIN	-0.38	-0.39	0.02	-0.21	-0.07	-0.07	0.22	-0.13	-0.10	-0.31	-0.32	-0.38	-0.39

ANNUAL MAX.MOMENTARY GAGE HEIGHT 4.36 M (A.D), AT 6.00 HOURS, ON SEP 28, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.35 M (A.D)

LEFT BANK ELEVATION 4.03 M (A.D)

RIGHT BANK ELEVATION 4.15 M (A.D), DRAINAGE AREA 1382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.16	3.44	1.16	0.64	90.80	3.08	1.10	0.48	0.04	0.00	
2	0.00	0.00	0.92	3.26	0.92	0.52	76.60	2.72	0.76	0.48	0.02	0.00	
3	0.00	0.00	1.28	2.54	0.72	0.80	64.00	2.18	0.44	0.40	0.00	0.00	
4	0.00	0.00	1.34	2.18	1.16	1.28	47.60	2.18	0.48	0.38	0.04	0.00	
5	0.00	0.00	1.22	1.76	1.22	3.35	36.52	1.88	0.48	0.34	0.06	0.00	
6	0.00	0.00	4.30	1.64	0.60	3.62	34.84	1.28	0.52	0.34	0.06	0.00	
7	0.00	0.00	1.76	1.40	0.52	5.00	29.30	1.10	1.22	0.32	0.08	0.00	
8	0.00	0.00	1.88	1.40	0.52	5.70	29.30	0.98	0.86	0.32	0.06	0.00	
9	0.00	0.00	1.58	1.34	1.58	6.76	28.00	0.92	0.80	0.32	0.04	0.00	
10	0.00	0.00	1.70	1.16	4.60	7.12	22.20	0.86	0.60	0.32	0.04	0.00	
11	0.00	0.00	1.64	0.60	5.30	6.16	17.24	0.86	0.68	0.30	0.00	0.00	
12	0.00	0.00	1.28	0.56	4.20	5.40	14.05	0.86	1.04	0.30	0.02	0.00	
13	0.00	0.00	1.22	0.36	3.17	4.70	11.05	0.76	0.80	0.18	0.04	0.00	
14	0.00	0.00	6.52	0.34	2.72	5.50	10.30	1.16	0.72	0.22	0.00	0.00	
15	0.00	0.00	14.20	0.40	2.27	6.64	8.20	1.40	0.68	0.22	0.00	0.00	
16	0.00	0.00	27.20	0.36	1.46	7.36	6.28	1.46	0.68	0.18	0.00	0.00	
17	0.00	0.00	27.80	0.68	1.64	7.72	6.16	0.92	0.68	0.14	0.00	0.00	
18	0.00	0.00	22.20	0.48	1.52	7.48	5.40	1.04	0.72	0.14	0.00	0.00	
19	0.00	0.08	18.86	0.32	1.22	6.52	5.00	0.98	0.68	0.16	0.00	0.00	
20	0.00	0.06	16.52	0.32	0.92	5.40	4.20	0.86	0.64	0.16	0.00	0.02	
21	0.00	0.08	15.16	0.18	0.72	5.00	3.44	0.76	0.60	0.08	0.00	0.00	
22	0.00	1.04	21.20	0.18	0.72	4.70	3.17	0.64	0.60	0.10	0.00	0.00	
23	0.00	3.08	24.60	1.28	0.68	5.70	2.36	0.56	0.64	0.08	0.00	0.00	
24	0.00	2.90	18.32	1.40	0.64	15.00	2.18	0.38	0.64	0.06	0.00	0.00	
25	0.00	4.60	11.50	0.92	2.63	25.40	2.27	0.44	0.48	0.04	0.00	0.00	
26	0.00	3.26	7.48	1.16	2.18	43.84	2.45	0.86	0.56	0.08	0.00	0.00	
27	0.00	1.82	6.28	0.44	2.09	77.36	2.54	0.76	0.52	0.08	0.00	0.00	
28	0.00	1.64	7.96	0.72	2.81	102.92	2.36	0.60	0.44	0.04	0.00	0.00	
29	0.00	1.10	6.52	0.68	1.94	103.76	4.30	0.34	0.48	0.00	0.00	0.00	
30	0.00	0.80	4.60	0.52	1.52	99.14	5.40	0.34	0.48	0.00		0.00	
31		0.72		0.64	0.92		3.53		0.40	0.00		0.00	
TOTAL	0.00	21.18	278.20	32.66	54.27	580.49	581.04	33.16	20.42	6.26	0.50	0.02	1608.20 CMSDAY
MEAN	0.00	0.68	9.27	1.05	1.75	19.35	18.74	1.11	0.66	0.20	0.02	0.00	4.39 CMS
MAX	0.00	4.60	27.80	3.44	5.30	103.76	90.80	3.08	1.22	0.48	0.08	0.02	103.76 CMS
MIN	0.00	0.00	0.92	0.18	0.52	0.52	2.18	0.34	0.40	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	1.830	24.036	2.822	4.689	50.154	50.202	2.865	1.764	0.541	0.043	0.002	138.948 MCM

MOMENTARY PEAK 107.12 CMS, AT 4.36 M (A.D), AT 6.00 HOURS, ON SEP 28, 1979
RUNOFF YIELD 3.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 77.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SAKAE KRANG RIVER BASIN

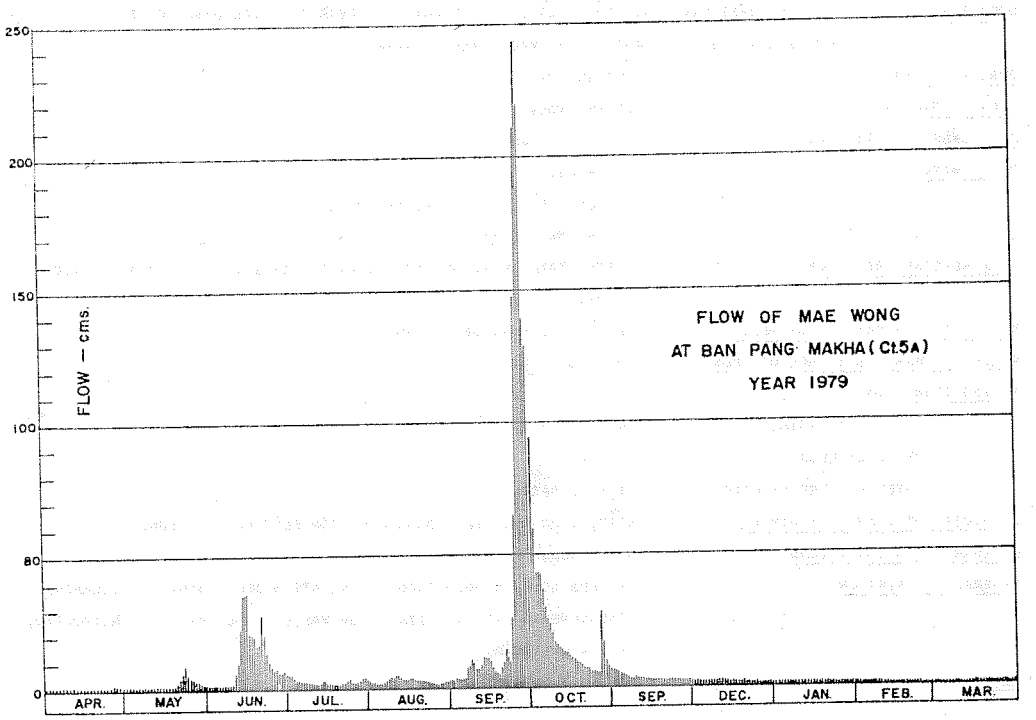
MAE WONG AT BAN PANG MAKHA, KAMPHAENG PHET (CT.5A)

LOCATION	LAT. 15°-54'-10" N., LONG. 99°-28'-45" E., ON LEFT BANK BEHIND WAT PANG MAKHA, AMPHOE KHANU WORALAKSABURI, KAMPHAENG PHET.
DRAINAGE AREA	833 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-R.I.D.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+4.20 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.27 M. (A.D.), RECORDS ARE CHANNEL FLOW ONLY.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 143 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.31	0.38	0.41	0.68	0.53	0.54	2.62	0.73	0.48	0.39	0.32	0.25	
2	0.30	0.40	0.40	0.67	0.48	0.55	2.06	0.71	0.47	0.39	0.32	0.25	
3	0.30	0.36	0.39	0.64	0.49	0.59	1.75	0.69	0.47	0.38	0.31	0.25	
4	0.29	0.35	0.37	0.58	0.46	0.56	1.76	0.66	0.46	0.38	0.31	0.25	
5	0.29	0.33	0.40	0.55	0.46	0.64	1.75	0.63	0.46	0.38	0.31	0.24	
6	0.29	0.32	0.38	0.54	0.53	0.64	1.63	0.61	0.45	0.37	0.31	0.24	
7	0.29	0.31	0.40	0.53	0.55	0.77	1.45	0.60	0.45	0.37	0.31	0.23	
8	0.29	0.32	0.38	0.52	0.57	0.82	1.32	0.53	0.45	0.37	0.30	0.23	
9	0.28	0.32	0.37	0.50	0.63	0.89	1.23	0.58	0.45	0.37	0.30	0.23	
10	0.28	0.31	0.39	0.48	0.60	0.79	1.14	0.57	0.44	0.37	0.30	0.23	
11	0.28	0.36	0.68	0.45	0.65	0.72	1.09	0.56	0.44	0.37	0.29	0.22	
12	0.28	0.39	0.87	0.45	0.63	0.81	1.05	0.56	0.44	0.37	0.29	0.22	
13	0.28	0.38	1.28	0.44	0.60	0.92	1.02	0.55	0.44	0.37	0.29	0.22	
14	0.29	0.36	1.58	0.54	0.60	0.90	0.98	0.54	0.43	0.37	0.29	0.22	
15	0.29	0.35	1.60	0.49	0.58	0.89	0.94	0.54	0.43	0.37	0.29	0.23	
16	0.29	0.33	1.23	0.47	0.57	0.82	0.91	0.53	0.43	0.36	0.28	0.24	
17	0.29	0.32	1.21	0.47	0.62	0.75	0.88	0.53	0.43	0.36	0.28	0.28	
18	0.29	0.31	1.19	0.45	0.58	0.70	0.85	0.53	0.42	0.36	0.28	0.27	
19	0.29	0.30	1.10	0.43	0.56	0.64	0.82	0.52	0.42	0.36	0.28	0.27	
20	0.29	0.38	1.11	0.42	0.55	0.76	0.80	0.52	0.42	0.36	0.28	0.26	
21	0.29	0.63	1.42	0.42	0.53	0.86	0.77	0.51	0.42	0.36	0.28	0.26	
22	0.29	0.65	1.16	0.44	0.52	1.02	0.74	0.51	0.42	0.36	0.33	0.26	
23	0.28	0.82	0.96	0.49	0.50	0.84	0.73	0.51	0.41	0.36	0.33	0.25	
24	0.28	0.73	0.85	0.60	0.49	1.35	0.71	0.50	0.41	0.35	0.30	0.25	
25	0.29	0.63	0.79	0.49	0.48	2.18	0.70	0.52	0.41	0.35	0.28	0.26	
26	0.46	0.60	0.74	0.47	0.47	3.23	0.68	0.49	0.40	0.34	0.27	0.27	
27	0.40	0.55	0.75	0.51	0.46	3.72	0.71	0.49	0.40	0.34	0.27	0.30	
28	0.37	0.48	0.67	0.53	0.47	3.94	1.10	0.49	0.40	0.34	0.26	0.28	
29	0.34	0.45	0.74	0.60	0.46	3.15	0.88	0.49	0.39	0.33	0.26	0.28	
30	0.33	0.43	0.72	0.60	0.51	3.04	0.81	0.49	0.39	0.33		0.28	
31		0.42		0.56	0.53		0.77		0.39	0.33		0.28	
MEAN	0.30	0.43	0.82	0.52	0.54	1.27	1.12	0.56	0.43	0.36	0.29	0.25	
MAX	0.46	0.82	1.60	0.68	0.65	3.94	2.62	0.73	0.48	0.39	0.33	0.30	3.94
MIN	0.28	0.30	0.37	0.42	0.46	0.54	0.68	0.49	0.39	0.33	0.26	0.22	0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.42 M (A.D), AT 19.00 HOURS, ON AUG 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 5.16 M (A.D)
RIGHT BANK ELEVATION 3.26 M (A.D), DRAINAGE AREA 833 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	0.90	1.12	5.30	2.62	2.75	93.50	6.42	2.00	0.95	0.60	0.25	
2	0.50	1.00	1.00	5.07	2.00	2.87	58.30	5.97	1.87	0.95	0.60	0.25	
3	0.50	0.80	0.95	4.40	2.12	3.37	41.75	5.52	1.87	0.90	0.55	0.25	
4	0.45	0.75	0.85	3.25	1.75	3.00	42.20	4.85	1.75	0.90	0.55	0.25	
5	0.45	0.65	1.00	2.87	1.75	4.40	41.75	4.18	1.75	0.90	0.55	0.20	
6	0.45	0.60	0.90	2.75	2.62	4.40	36.35	3.72	1.63	0.85	0.55	0.20	
7	0.45	0.55	1.00	2.62	2.87	7.32	28.25	3.50	1.63	0.85	0.55	0.15	
8	0.45	0.60	0.90	2.50	3.12	8.50	23.20	2.62	1.63	0.85	0.50	0.15	
9	0.40	0.60	0.85	2.25	4.18	10.25	20.05	3.25	1.63	0.85	0.50	0.15	
10	0.40	0.55	0.95	2.00	3.50	7.77	17.20	3.12	1.50	0.85	0.50	0.15	
11	0.40	0.80	5.30	1.63	4.63	6.20	15.70	3.00	1.50	0.85	0.45	0.10	
12	0.40	0.95	9.75	1.63	4.18	8.25	14.50	3.00	1.50	0.85	0.45	0.10	
13	0.40	0.90	21.80	1.50	3.50	11.00	13.60	2.87	1.50	0.85	0.45	0.10	
14	0.45	0.80	34.10	2.75	3.50	10.50	12.50	2.75	1.37	0.85	0.45	0.10	
15	0.45	0.75	35.00	2.12	3.25	10.25	11.50	2.75	1.37	0.85	0.45	0.15	
16	0.45	0.65	20.05	1.87	3.12	8.50	10.75	2.62	1.37	0.80	0.40	0.20	
17	0.45	0.60	19.35	1.87	3.95	6.88	10.00	2.62	1.37	0.80	0.40	0.40	
18	0.45	0.55	18.70	1.63	3.25	5.75	9.25	2.62	1.25	0.80	0.40	0.35	
19	0.45	0.50	16.00	1.37	3.00	4.40	8.50	2.50	1.25	0.80	0.40	0.35	
20	0.45	0.90	16.30	1.25	2.87	7.10	8.00	2.50	1.25	0.80	0.40	0.30	
21	0.45	4.18	26.90	1.25	2.62	9.50	7.32	2.38	1.25	0.80	0.40	0.30	
22	0.45	4.63	17.80	1.50	2.50	13.60	6.65	2.38	1.25	0.80	0.65	0.30	
23	0.40	8.50	12.00	2.12	2.25	9.00	6.42	2.38	1.12	0.80	0.65	0.25	
24	0.40	6.42	9.25	3.50	2.12	24.25	5.97	2.25	1.12	0.75	0.50	0.25	
25	0.45	4.18	7.77	2.12	2.00	64.90	5.75	2.50	1.12	0.75	0.40	0.30	
26	1.75	3.50	6.65	1.87	1.87	146.45	5.30	2.12	1.00	0.70	0.35	0.35	
27	1.00	2.87	6.88	2.38	1.75	209.80	5.97	2.12	1.00	0.70	0.35	0.50	
28	0.85	2.00	5.07	2.62	1.87	242.70	16.00	2.12	1.00	0.70	0.30	0.40	
29	0.70	1.63	6.65	3.50	1.75	138.25	10.00	2.12	0.95	0.65	0.30	0.40	
30	0.65	1.37	6.20	3.50	2.38	127.80	8.25	2.12	0.95	0.65		0.40	
31		1.25		3.00	2.62		7.32		0.95	0.65		0.40	
TOTAL	16.05	54.93	311.04	77.99	85.51	1119.71	601.80	92.87	42.70	25.05	13.60	8.00	2449.25 CMSDAY
MEAN	0.53	1.77	10.37	2.52	2.76	37.32	19.41	3.10	1.38	0.81	0.47	0.26	6.69 CMS
MAX	1.75	8.50	35.00	5.30	4.63	242.70	93.50	6.42	2.00	0.95	0.65	0.50	242.70 CMS
MIN	0.40	0.50	0.85	1.25	1.75	2.75	5.30	2.12	0.95	0.65	0.30	0.10	0.10 CMS
RUNOFF	1.387	4.746	26.874	6.738	7.388	96.743	51.995	8.024	3.689	2.164	1.175	0.691	211.615 MCM

MOMENTARY PEAK 321.40 CMS, AT 4.42 M (A.D), AT 19.00 HOURS, ON AUG 26, 1979

RUNOFF YIELD 8.03 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 385.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SAKAE KRANG RIVER BASIN

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

LOCATION — LAT. 15°-38'-23" N., LONG. 99°-32'-20" E., ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE, BAN HANG RAI, AMPHOE LAT YAO, NAKHON SAWAN.

DRAINAGE AREA — 398 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — INFRONT OF GAGE OBSERVER'S HOUSE.

ELEVATION — +4.660 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1975 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW WAS EFFECTED BY THE CONSTRUCTION OF DAM UPSTREAM.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-MAY 8,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

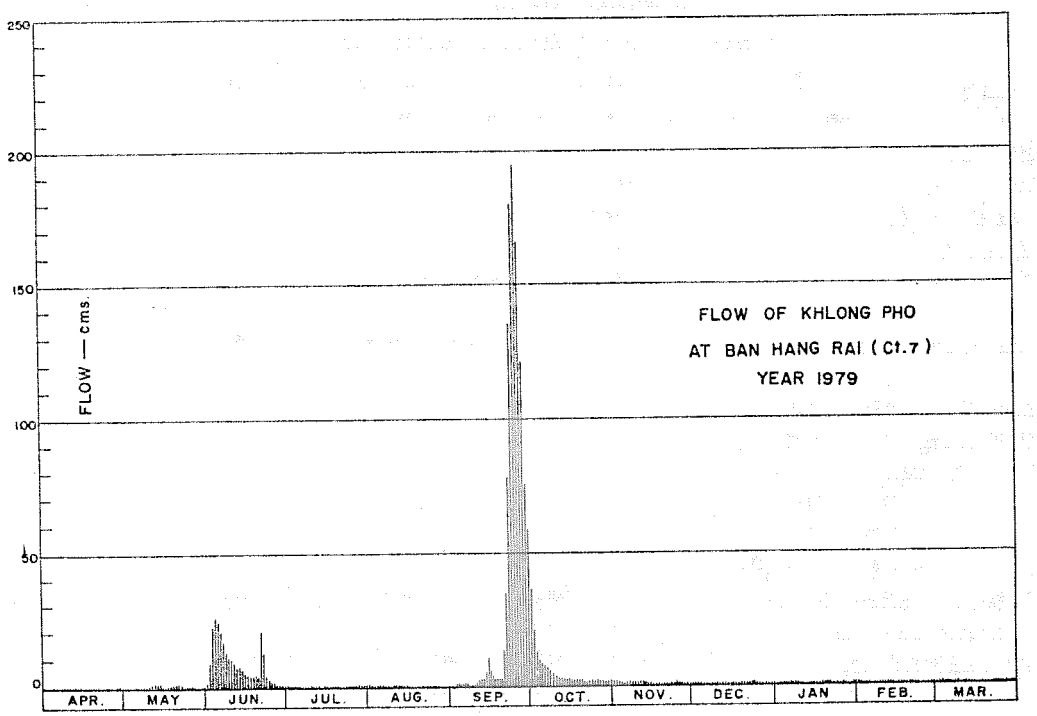
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.47	0.24	0.14	0.15	2.07	0.45	0.31	0.28	0.25	0.24	
2	0.00	0.00	1.16	0.20	0.14	0.14	1.67	0.45	0.31	0.28	0.25	0.24	
3	0.00	0.00	1.66	0.20	0.13	0.14	1.31	0.44	0.31	0.27	0.25	0.24	
4	0.00	0.00	1.73	0.19	0.13	0.15	1.14	0.44	0.31	0.27	0.25	0.24	
5	0.00	0.00	1.63	0.19	0.13	0.16	1.04	0.43	0.31	0.27	0.25	0.24	
6	0.00	0.00	1.54	0.19	0.13	0.23	0.98	0.43	0.30	0.27	0.25	0.24	
7	0.00	0.00	1.40	0.18	0.12	0.33	0.92	0.42	0.30	0.27	0.25	0.24	
8	0.00	0.00	1.27	0.18	0.12	0.37	0.85	0.42	0.30	0.27	0.25	0.24	
9	0.00	0.06	1.18	0.18	0.12	0.33	0.77	0.41	0.30	0.27	0.25	0.24	
10	0.00	0.18	1.10	0.19	0.12	0.42	0.69	0.41	0.30	0.27	0.25	0.24	
11	0.00	0.30	1.04	0.18	0.14	0.57	0.64	0.40	0.30	0.26	0.25	0.24	
12	0.00	0.32	0.99	0.17	0.14	0.67	0.60	0.40	0.30	0.26	0.25	0.24	
13	0.00	0.29	0.94	0.17	0.14	0.75	0.60	0.39	0.30	0.26	0.25	0.24	
14	0.00	0.26	0.88	0.17	0.15	0.93	0.60	0.39	0.30	0.26	0.25	0.24	
15	0.00	0.20	0.83	0.16	0.16	1.20	0.60	0.39	0.30	0.26	0.25	0.26	
16	0.00	0.17	0.80	0.16	0.15	0.85	0.58	0.38	0.30	0.26	0.25	0.26	
17	0.00	0.11	0.78	0.15	0.15	0.68	0.56	0.38	0.30	0.26	0.25	0.26	
18	0.00	0.08	0.80	0.14	0.15	0.56	0.54	0.37	0.30	0.26	0.24	0.25	
19	0.00	0.09	0.79	0.15	0.14	0.44	0.53	0.37	0.30	0.26	0.24	0.25	
20	0.00	0.10	0.73	0.15	0.14	0.57	0.51	0.36	0.30	0.26	0.24	0.25	
21	0.00	0.14	1.59	0.15	0.14	1.33	0.49	0.36	0.30	0.26	0.24	0.25	
22	0.00	0.14	1.02	0.15	0.13	2.30	0.48	0.35	0.29	0.26	0.24	0.25	
23	0.00	0.17	0.73	0.15	0.13	3.22	0.48	0.34	0.29	0.26	0.24	0.25	
24	0.00	0.19	0.60	0.15	0.13	3.86	0.46	0.34	0.28	0.26	0.24	0.25	
25	0.00	0.14	0.51	0.15	0.13	4.14	0.45	0.32	0.28	0.26	0.24	0.25	
26	0.00	0.09	0.38	0.14	0.14	4.23	0.46	0.32	0.28	0.25	0.24	0.25	
27	0.00	0.09	0.35	0.14	0.14	3.93	0.48	0.32	0.28	0.25	0.24	0.25	
28	0.00	0.10	0.39	0.14	0.17	3.54	0.48	0.31	0.28	0.25	0.24	0.25	
29	0.00	0.09	0.34	0.14	0.17	2.90	0.47	0.31	0.28	0.25	0.24	0.25	
30	0.00	0.08	0.30	0.14	0.16	2.52	0.46	0.31	0.28	0.25		0.25	
31		0.07		0.14	0.15		0.46		0.28	0.25		0.25	
MEAN	0.00	0.11	0.93	0.17	0.14	1.39	0.72	0.38	0.30	0.26	0.25	0.25	
MAX	0.00	0.32	1.73	0.24	0.17	4.23	2.07	0.45	0.31	0.28	0.25	0.26	4.23
MIN	0.00	0.00	0.30	0.14	0.12	0.14	0.45	0.31	0.28	0.25	0.24	0.24	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.30 M (A.D), AT 6.00 HOURS, ON SEP 26, 1979

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

LEFT BANK ELEVATION M (A.D)

RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 398 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.36	0.24	0.03	0.03	36.80	1.26	0.58	0.43	0.29	0.24	
2	0.00	0.00	10.20	0.04	0.03	0.03	24.10	1.26	0.58	0.43	0.29	0.24	
3	0.00	0.00	23.80	0.04	0.03	0.03	13.30	1.22	0.58	0.38	0.29	0.24	
4	0.00	0.00	25.90	0.04	0.03	0.03	9.80	1.22	0.58	0.38	0.29	0.24	
5	0.00	0.00	22.90	0.04	0.03	0.03	7.80	1.17	0.58	0.38	0.29	0.24	
6	0.00	0.00	20.20	0.04	0.03	0.19	6.70	1.17	0.53	0.38	0.29	0.24	
7	0.00	0.00	16.00	0.04	0.02	0.68	5.80	1.12	0.53	0.38	0.29	0.24	
8	0.00	0.00	12.40	0.04	0.02	0.87	4.75	1.12	0.53	0.38	0.29	0.24	
9	0.00	0.01	10.60	0.04	0.02	0.68	3.70	1.07	0.53	0.38	0.29	0.24	
10	0.00	0.04	9.00	0.04	0.02	1.12	2.90	1.07	0.53	0.38	0.29	0.24	
11	0.00	0.53	7.80	0.04	0.03	1.85	2.40	1.02	0.53	0.33	0.29	0.24	
12	0.00	0.63	6.85	0.03	0.03	2.70	2.00	1.02	0.53	0.33	0.29	0.24	
13	0.00	0.48	6.10	0.03	0.03	3.50	2.00	0.97	0.53	0.33	0.29	0.24	
14	0.00	0.33	5.20	0.03	0.03	5.95	2.00	0.97	0.53	0.33	0.29	0.24	
15	0.00	0.04	4.45	0.03	0.03	11.00	2.00	0.97	0.53	0.33	0.29	0.33	
16	0.00	0.03	4.00	0.03	0.03	4.75	1.90	0.92	0.53	0.33	0.29	0.33	
17	0.00	0.02	3.80	0.03	0.03	2.80	1.80	0.92	0.53	0.33	0.29	0.33	
18	0.00	0.02	4.00	0.03	0.03	1.80	1.71	0.87	0.53	0.33	0.24	0.29	
19	0.00	0.02	3.90	0.03	0.03	1.22	1.66	0.87	0.53	0.33	0.24	0.29	
20	0.00	0.02	3.30	0.03	0.03	1.85	1.56	0.82	0.53	0.33	0.24	0.29	
21	0.00	0.03	21.70	0.03	0.03	13.90	1.46	0.82	0.53	0.33	0.24	0.29	
22	0.00	0.03	7.40	0.03	0.03	47.00	1.41	0.77	0.48	0.33	0.24	0.29	
23	0.00	0.03	3.30	0.03	0.03	100.40	1.41	0.73	0.48	0.33	0.24	0.29	
24	0.00	0.04	2.00	0.03	0.03	154.00	1.31	0.73	0.43	0.33	0.24	0.29	
25	0.00	0.03	1.56	0.03	0.03	184.40	1.26	0.63	0.43	0.33	0.24	0.29	
26	0.00	0.02	0.92	0.03	0.03	194.60	1.31	0.63	0.43	0.29	0.24	0.29	
27	0.00	0.02	0.77	0.03	0.03	161.30	1.41	0.63	0.43	0.29	0.24	0.29	
28	0.00	0.02	0.97	0.03	0.03	124.20	1.41	0.58	0.43	0.29	0.24	0.29	
29	0.00	0.02	0.73	0.03	0.03	79.00	1.36	0.58	0.43	0.29	0.24	0.29	
30	0.00	0.02	0.53	0.03	0.03	58.00	1.31	0.58	0.43	0.29		0.29	
31		0.01		0.03	0.03		1.31		0.43	0.29		0.29	
TOTAL	0.00	2.44	241.64	1.24	0.89	1157.91	149.64	27.71	15.78	10.59	7.81	8.41	1624.06 CMSDAY
MEAN	0.00	0.08	8.05	0.04	0.03	38.60	4.83	0.92	0.51	0.34	0.27	0.27	4.44 CMS
MAX	0.00	0.63	25.90	0.24	0.03	194.60	36.80	1.26	0.58	0.43	0.29	0.33	194.60 CMS
MIN	0.00	0.00	0.53	0.03	0.02	0.03	1.26	0.58	0.43	0.29	0.24	0.24	0.00 CMS
RUNOFF	0.000	0.211	20.878	0.107	0.077	100.043	12.929	2.394	1.363	0.915	0.675	0.727	140.319 MCM

MOMENTARY PEAK 203.00 CMS, AT 4.30 M (A.D), AT 6.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 11.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 510.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SAKAE KRANG RIVER BASIN

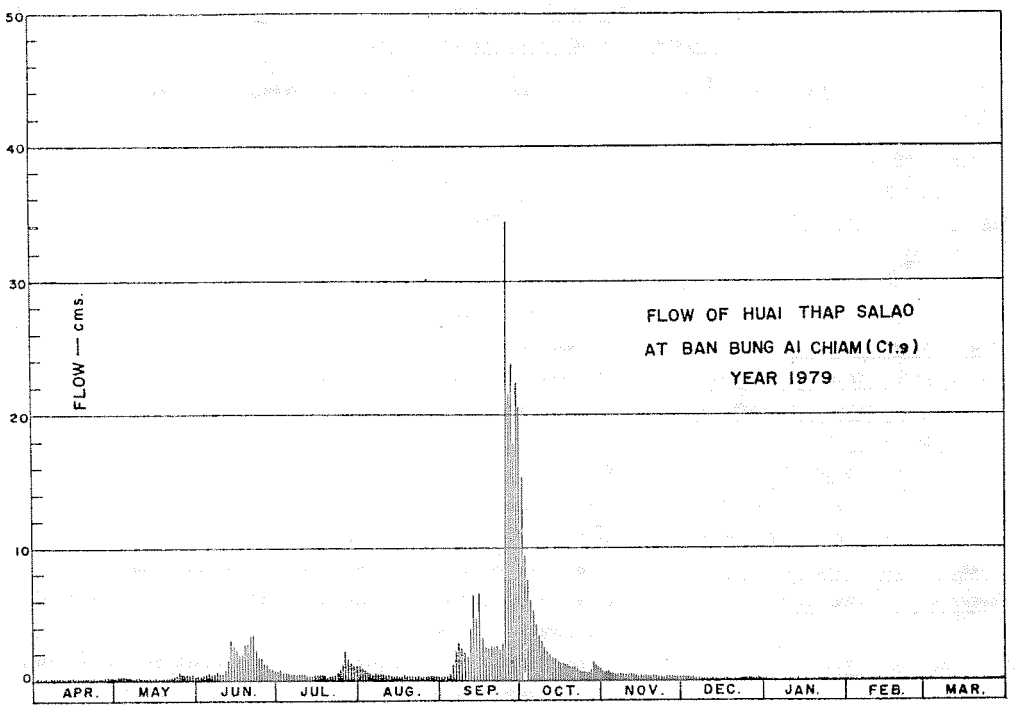
HUAI THAP SALAO AT BAN BUNG AI CHIAM, UTHAI THANI (CT.9)

LOCATION	LAT. 15°-31'-38" N., LONG. 99°-28'-10" E., ON LEFT BANK ABOUT 9 KILOMETERS UPSTREAM FROM CT.6, BAN BUNG AI CHIAM, KING AMPHOE LAN SAK, UTHAI THANI.
DRAINAGE AREA	387 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+4.611 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 78 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.40	0.47	0.58	0.65	0.46	2.15	0.58	0.43	0.38	0.36	0.35	
2	0.41	0.40	0.47	0.56	0.62	0.48	1.76	0.57	0.43	0.38	0.36	0.35	
3	0.41	0.40	0.47	0.55	0.57	0.50	1.53	0.55	0.43	0.38	0.36	0.35	
4	0.41	0.40	0.51	0.54	0.55	0.53	1.37	0.54	0.43	0.38	0.36	0.35	
5	0.41	0.40	0.55	0.53	0.54	0.65	1.27	0.54	0.43	0.38	0.36	0.35	
6	0.41	0.40	0.53	0.52	0.53	0.87	1.18	0.52	0.42	0.38	0.36	0.35	
7	0.41	0.40	0.52	0.51	0.52	0.88	1.08	0.52	0.42	0.37	0.36	0.35	
8	0.41	0.40	0.55	0.51	0.52	0.94	1.00	0.51	0.41	0.37	0.36	0.35	
9	0.41	0.40	0.55	0.51	0.51	0.87	0.94	0.50	0.41	0.37	0.36	0.35	
10	0.41	0.40	0.55	0.50	0.51	0.85	0.88	0.49	0.41	0.37	0.36	0.35	
11	0.41	0.40	0.57	0.49	0.50	0.78	0.84	0.49	0.40	0.37	0.36	0.35	
12	0.41	0.40	0.67	0.49	0.50	1.06	0.81	0.49	0.40	0.37	0.36	0.35	
13	0.41	0.40	0.98	0.49	0.48	1.32	0.78	0.49	0.40	0.36	0.36	0.35	
14	0.41	0.40	0.95	0.48	0.48	1.11	0.75	0.48	0.39	0.36	0.36	0.35	
15	0.41	0.40	0.86	0.53	0.47	1.33	0.72	0.47	0.39	0.36	0.36	0.35	
16	0.41	0.40	0.85	0.52	0.46	1.06	0.70	0.47	0.39	0.36	0.36	0.35	
17	0.41	0.40	0.79	0.51	0.46	0.97	0.68	0.46	0.39	0.36	0.36	0.35	
18	0.41	0.40	0.80	0.50	0.45	0.90	0.66	0.46	0.39	0.36	0.36	0.35	
19	0.40	0.40	0.93	0.49	0.44	0.88	0.65	0.46	0.39	0.36	0.36	0.35	
20	0.40	0.40	0.92	0.48	0.44	0.92	0.64	0.46	0.39	0.36	0.36	0.35	
21	0.40	0.40	1.01	0.48	0.44	0.91	0.62	0.46	0.39	0.36	0.36	0.35	
22	0.40	0.40	1.01	0.48	0.43	0.92	0.61	0.45	0.39	0.36	0.36	0.35	
23	0.40	0.48	0.85	0.51	0.43	0.88	0.57	0.45	0.39	0.36	0.35	0.35	
24	0.40	0.51	0.77	0.56	0.43	0.96	0.57	0.45	0.39	0.36	0.35	0.35	
25	0.40	0.51	0.74	0.61	0.43	2.48	0.56	0.44	0.38	0.36	0.35	0.35	
26	0.40	0.52	0.69	0.79	0.43	2.89	0.55	0.44	0.38	0.36	0.35	0.35	
27	0.40	0.52	0.65	0.85	0.43	2.29	0.55	0.44	0.38	0.36	0.35	0.35	
28	0.40	0.51	0.63	0.72	0.45	2.40	0.70	0.44	0.38	0.36	0.35	0.35	
29	0.40	0.49	0.61	0.69	0.46	2.10	0.67	0.43	0.38	0.36	0.35	0.35	
30	0.40	0.49	0.58	0.67	0.47	2.34	0.63	0.43	0.38	0.36		0.35	
31		0.48		0.67	0.47		0.59		0.38	0.36		0.35	
MEAN	0.41	0.43	0.70	0.56	0.49	1.18	0.87	0.48	0.40	0.37	0.36	0.35	
MAX	0.41	0.52	1.01	0.85	0.65	2.89	2.15	0.58	0.43	0.38	0.36	0.35	2.89
MIN	0.40	0.40	0.47	0.48	0.43	0.46	0.55	0.43	0.38	0.36	0.35	0.35	0.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.23 M (A.D), AT 18.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 4.32 M (A.D)
RIGHT BANK ELEVATION 3.99 M (A.D), DRAINAGE AREA 387 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.15	0.36	0.73	1.05	0.33	18.95	0.73	0.24	0.12	0.09	0.07	
2	0.18	0.15	0.36	0.66	0.90	0.39	12.59	0.69	0.24	0.12	0.09	0.07	
3	0.18	0.15	0.36	0.62	0.69	0.45	9.23	0.62	0.24	0.12	0.09	0.07	
4	0.18	0.15	0.40	0.59	0.62	0.55	7.22	0.59	0.24	0.12	0.09	0.07	
5	0.18	0.15	0.62	0.55	0.59	1.05	6.03	0.59	0.24	0.12	0.09	0.07	
6	0.18	0.15	0.55	0.52	0.55	2.32	5.08	0.52	0.21	0.12	0.09	0.07	
7	0.18	0.15	0.52	0.48	0.52	2.32	4.12	0.52	0.21	0.10	0.09	0.07	
8	0.18	0.15	0.62	0.48	0.52	2.86	3.40	0.48	0.18	0.10	0.09	0.07	
9	0.18	0.15	0.62	0.48	0.48	2.32	2.86	0.45	0.18	0.10	0.09	0.07	
10	0.18	0.15	0.62	0.45	0.48	2.20	2.38	0.42	0.18	0.10	0.09	0.07	
11	0.18	0.15	0.69	0.42	0.45	1.78	2.14	0.42	0.15	0.10	0.09	0.07	
12	0.18	0.15	1.15	0.42	0.45	3.94	1.96	0.42	0.15	0.10	0.09	0.07	
13	0.18	0.15	3.22	0.42	0.39	6.60	1.78	0.42	0.15	0.09	0.09	0.07	
14	0.18	0.15	2.95	0.39	0.39	4.40	1.60	0.39	0.13	0.09	0.09	0.07	
15	0.18	0.15	2.26	0.55	0.36	6.72	1.42	0.36	0.13	0.09	0.09	0.07	
16	0.18	0.15	2.20	0.52	0.33	3.94	1.30	0.36	0.13	0.09	0.09	0.07	
17	0.18	0.15	1.84	0.48	0.33	3.13	1.20	0.33	0.13	0.09	0.09	0.07	
18	0.18	0.15	1.90	0.45	0.30	2.50	1.10	0.33	0.13	0.09	0.09	0.07	
19	0.15	0.15	2.77	0.42	0.27	2.38	1.05	0.33	0.13	0.09	0.09	0.07	
20	0.15	0.15	2.68	0.39	0.27	2.68	1.00	0.33	0.13	0.09	0.09	0.07	
21	0.15	0.15	3.49	0.39	0.27	2.59	0.90	0.33	0.13	0.09	0.09	0.07	
22	0.15	0.15	3.49	0.39	0.24	2.68	0.85	0.30	0.13	0.09	0.09	0.07	
23	0.15	0.39	2.20	0.48	0.24	2.38	0.69	0.30	0.13	0.09	0.07	0.07	
24	0.15	0.48	1.72	0.66	0.24	3.04	0.69	0.30	0.13	0.09	0.07	0.07	
25	0.15	0.48	1.54	0.85	0.24	25.34	0.66	0.27	0.12	0.09	0.07	0.07	
26	0.15	0.52	1.25	1.84	0.24	34.47	0.62	0.27	0.12	0.09	0.07	0.07	
27	0.15	0.52	1.05	2.20	0.24	21.61	0.62	0.27	0.12	0.09	0.07	0.07	
28	0.15	0.48	0.95	1.42	0.30	23.70	1.30	0.27	0.12	0.09	0.07	0.07	
29	0.15	0.42	0.85	1.25	0.33	18.00	1.15	0.24	0.12	0.09	0.07	0.07	
30	0.15	0.42	0.73	1.15	0.36	22.56	0.95	0.24	0.12	0.09		0.07	
31		0.39		1.15	0.36		0.76		0.12	0.09		0.07	
TOTAL	5.01	7.40	44.04	21.80	13.00	209.29	95.51	12.09	4.88	3.03	2.47	2.17	420.69 CMSDAY
MEAN	0.17	0.24	1.47	0.70	0.42	6.98	3.08	0.40	0.16	0.10	0.09	0.07	1.15 CMS
MAX	0.18	0.52	3.49	2.20	1.05	34.47	18.95	0.73	0.24	0.12	0.09	0.07	34.47 CMS
MIN	0.15	0.15	0.36	0.39	0.24	0.33	0.62	0.24	0.12	0.09	0.07	0.07	0.07 CMS
RUNOFF	0.433	0.639	3.805	1.884	1.123	18.083	8.252	1.045	0.422	0.262	0.213	0.187	36.348 MCM

MOMENTARY PEAK 42.81 CMS, AT 3.23 M (A.D), AT 18.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 2.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 110.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

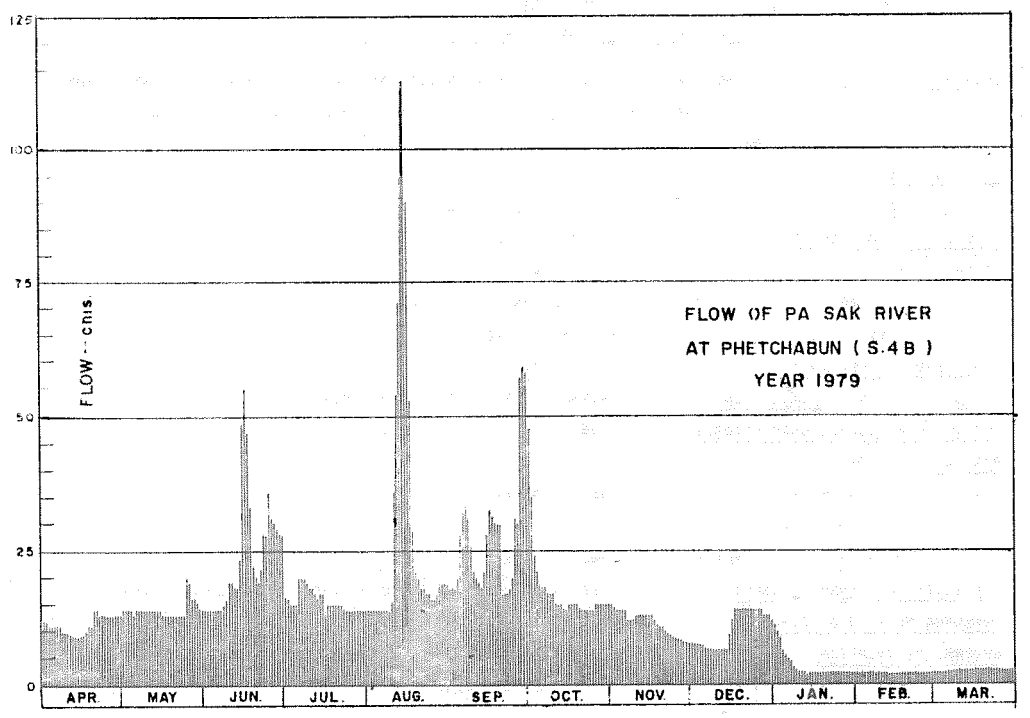
PA SAK RIVER AT PHETCHABUN, PHETCHABUN (S.48)

LOCATION	LAT. 16°-25'-12" N., LONG. 101°-10'-13" E., ON LEFT BANK UPSTREAM SIDE OF WAT PRATU DAO, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	3,566 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+106.50 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF THE PROVINCE OFFICE.
ELEVATION	+114.20 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966
RATED BY FLOAT	-
RATED BY CURRENT METER	1966
STABILITY OF CHANNEL REGIMES	STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +107.21 M. (M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 183 DISCHARGE MEASUREMENTS MADE IN 1966.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	109.33	109.55	109.66	109.83	109.58	110.05	112.10	109.68	108.79	109.25	107.86	107.85	
2	109.32	109.59	109.61	109.78	109.58	110.02	111.42	109.66	108.77	109.13	107.86	107.85	
3	109.29	109.57	109.59	109.77	109.58	110.07	110.59	109.66	108.76	108.89	107.86	107.85	
4	109.27	109.55	109.60	109.72	109.58	110.22	110.29	109.65	108.73	108.57	107.86	107.84	
5	109.25	109.54	109.62	109.72	109.59	110.88	110.15	109.64	108.68	108.41	107.86	107.85	
6	109.21	109.54	109.59	110.24	109.63	111.24	110.07	109.57	108.65	108.33	107.86	107.92	
7	109.17	109.57	109.60	110.28	109.65	111.31	110.00	109.42	108.64	108.21	107.86	107.94	
8	109.12	109.57	109.76	110.25	109.66	111.16	109.98	109.34	108.63	108.03	107.85	107.94	
9	109.07	109.56	109.87	110.16	109.66	110.76	109.89	109.37	108.63	107.97	107.85	107.93	
10	109.04	109.55	110.10	110.06	109.80	110.37	109.90	109.45	108.63	107.93	107.85	107.94	
11	109.01	109.56	110.16	110.00	111.46	110.24	109.77	109.47	108.63	107.91	107.85	107.94	
12	108.98	109.58	110.03	109.89	112.33	110.13	109.72	109.49	108.62	107.89	107.85	107.94	
13	108.96	109.58	110.00	109.86	112.97	110.08	109.68	109.50	108.62	107.82	107.85	107.94	
14	108.96	109.57	110.49	109.91	114.19	110.36	109.66	109.50	108.64	107.88	107.85	107.94	
15	108.98	109.55	112.13	109.91	114.16	110.88	109.66	109.49	108.95	107.88	107.85	107.93	
16	108.05	109.51	112.38	109.84	113.54	111.27	109.67	109.46	109.35	107.88	107.85	107.97	
17	109.16	109.50	112.06	109.77	112.29	111.14	109.69	109.36	109.63	107.88	107.86	107.98	
18	109.17	109.50	111.24	109.74	111.00	111.07	109.70	109.27	109.63	107.88	107.86	107.99	
19	109.28	109.50	110.40	109.73	110.34	111.03	109.68	109.22	109.62	107.88	107.86	108.00	
20	109.55	109.50	110.21	109.72	110.21	110.99	109.66	109.17	109.65	107.88	107.86	108.00	
21	109.56	109.50	110.12	109.70	110.08	109.95	109.66	109.10	109.65	107.88	107.86	108.02	
22	109.52	109.50	110.41	109.67	110.00	109.93	109.64	109.04	109.66	107.88	107.86	108.01	
23	109.50	109.50	110.79	109.63	109.92	109.93	109.64	108.97	109.65	107.88	107.86	107.95	
24	109.50	109.53	110.81	109.60	109.89	110.04	109.65	108.94	109.62	107.88	107.86	107.94	
25	109.50	110.21	111.46	109.59	109.88	110.28	109.64	108.91	109.59	107.88	107.86	107.94	
26	109.50	110.16	111.18	109.58	109.86	111.16	109.67	108.88	109.60	107.88	107.86	107.94	
27	109.49	109.89	111.05	109.58	109.95	111.06	109.70	108.87	109.55	107.88	107.86	107.94	
28	109.54	109.79	110.94	109.59	110.11	112.48	109.70	108.84	109.46	107.86	107.86	107.94	
29	109.54	109.69	110.91	109.60	110.18	112.55	109.70	108.81	109.44	107.86	107.85	107.94	
30	109.54	109.64	110.88	109.59	110.14	112.45	109.70	108.79	109.43	107.86		107.94	
31		109.62		109.58	110.11		109.69		109.37	107.86		107.94	
MEAN	109.25	109.61	110.49	109.80	110.61	110.77	109.92	109.28	109.14	108.07	107.86	107.94	
MAX	109.56	110.21	112.38	110.28	114.19	112.55	112.10	109.68	109.66	109.25	107.86	108.02	114.19
MIN	108.05	109.50	109.59	109.58	109.58	109.93	109.64	108.79	108.62	107.82	107.85	107.84	107.82

ANNUAL MAX MOMENTARY GAGE HEIGHT 114.30 M (MSL), AT 24.00 HOURS, ON AUG 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 106.50 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION 115.43 M (MSL)
RIGHT BANK ELEVATION 107.20 M (MSL), DRAINAGE AREA 3566 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	11.84	13.61	14.55	16.07	13.86	18.20	48.40	14.72	7.92	11.21	2.18	2.13	
2	11.76	13.94	14.11	15.62	13.86	17.90	35.52	14.55	7.78	10.32	2.18	2.13	
3	11.52	13.77	13.94	15.53	13.86	18.40	24.18	14.55	7.71	8.61	2.18	2.13	
4	11.37	13.61	14.02	15.08	13.86	19.92	20.69	14.46	7.51	6.42	2.18	2.08	
5	11.21	13.53	14.20	15.08	13.94	27.84	19.20	14.37	7.16	5.36	2.18	2.13	
6	10.90	13.53	13.94	20.14	14.28	32.64	18.40	13.77	6.96	4.87	2.18	2.48	
7	10.60	13.77	14.02	20.58	14.46	33.76	17.70	12.56	6.89	4.14	2.18	2.58	
8	10.24	13.77	15.44	20.25	14.55	31.48	17.50	11.92	6.82	3.06	2.13	2.58	
9	9.88	13.69	15.43	19.30	14.55	26.28	16.61	12.16	6.82	2.73	2.13	2.53	
10	9.67	13.61	18.70	18.30	15.80	21.57	16.70	12.80	6.82	2.53	2.13	2.58	
11	9.45	13.69	19.30	17.70	36.16	20.14	15.53	12.96	6.82	2.43	2.13	2.58	
12	9.24	13.86	18.00	16.61	53.75	19.00	15.08	13.12	6.76	2.33	2.13	2.58	
13	9.10	13.86	17.70	16.34	71.30	18.50	14.72	13.20	6.76	1.98	2.13	2.58	
14	9.10	13.77	22.98	16.80	114.29	21.46	14.55	13.20	6.89	2.28	2.13	2.58	
15	9.24	13.61	49.09	16.80	113.06	27.84	14.55	13.12	9.03	2.28	2.13	2.53	
16	3.18	13.28	55.00	16.16	89.96	33.12	14.64	12.88	12.00	2.28	2.13	2.73	
17	10.53	13.20	47.52	15.53	52.77	31.22	14.81	12.08	14.28	2.28	2.18	2.78	
18	10.60	13.20	32.64	15.26	29.40	30.31	14.90	11.37	14.28	2.28	2.18	2.83	
19	11.44	13.20	21.90	15.17	21.24	29.79	14.72	10.98	14.20	2.28	2.18	2.88	
20	13.61	13.20	19.81	15.08	19.81	29.27	14.55	10.60	14.46	2.28	2.18	2.88	
21	13.69	13.20	18.90	14.30	18.50	17.20	14.55	10.10	14.46	2.28	2.18	3.00	
22	13.36	13.20	22.02	14.64	17.70	17.00	14.37	9.67	14.55	2.28	2.18	2.94	
23	13.20	13.20	26.67	14.28	16.90	17.00	14.37	9.17	14.46	2.28	2.18	2.63	
24	13.20	13.45	26.93	14.02	16.61	18.10	14.46	8.96	14.20	2.28	2.18	2.58	
25	13.20	19.81	36.16	13.94	16.52	20.58	14.37	8.75	13.94	2.28	2.18	2.58	
26	13.20	19.30	31.74	13.86	16.34	31.48	14.64	8.54	14.02	2.28	2.18	2.58	
27	13.12	16.61	30.05	13.86	17.20	30.18	14.90	8.47	13.61	2.28	2.18	2.58	
28	13.53	15.71	28.62	13.94	18.80	57.50	14.90	8.27	12.88	2.18	2.18	2.58	
29	13.53	14.81	28.23	14.02	19.50	59.35	14.90	8.06	12.72	2.18	2.13	2.58	
30	13.53	14.37	27.84	13.94	19.10	96.75	14.90	7.92	12.64	2.18		2.58	
31		14.20		13.86	18.80		14.81		12.16	2.18		2.58	
TOTAL	338.04	439.56	730.45	492.66	940.73	833.78	544.12	347.28	327.51	106.63	62.72	79.51	5242.98 CMSDAY
MEAN	11.27	14.18	24.35	15.89	30.35	27.79	17.55	11.58	10.56	3.44	2.16	2.56	14.33 CMS
MAX	13.69	19.81	55.00	20.58	114.29	59.35	48.40	14.72	14.55	11.21	2.18	3.00	114.29 CMS
MIN	3.18	13.20	13.94	13.86	13.86	17.00	14.37	7.92	6.76	1.98	2.13	2.08	1.98 CMS
RUNOFF	29.207	37.978	63.111	42.586	81.279	72.039	47.012	30.005	28.297	9.213	5.419	6.870	452.994 MCM

MOMENTARY PEAK 118.80 CMS, AT 114.30 M (MSL), AT 24.00 HOURS, ON AUG 15, 1979

RUNOFF YIELD 4.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 33.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

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

LOCATION — LAT. 14°-38'-04" N., LONG. 101°-12'-37" E., ON LEFT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF BANKOK-NAKHON RATCHASIMA HIGHWAY, TAMBON MUAK LEK, AMPHOE MUAK LEK, SARABURI.

DRAINAGE AREA — 177 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +6.919 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

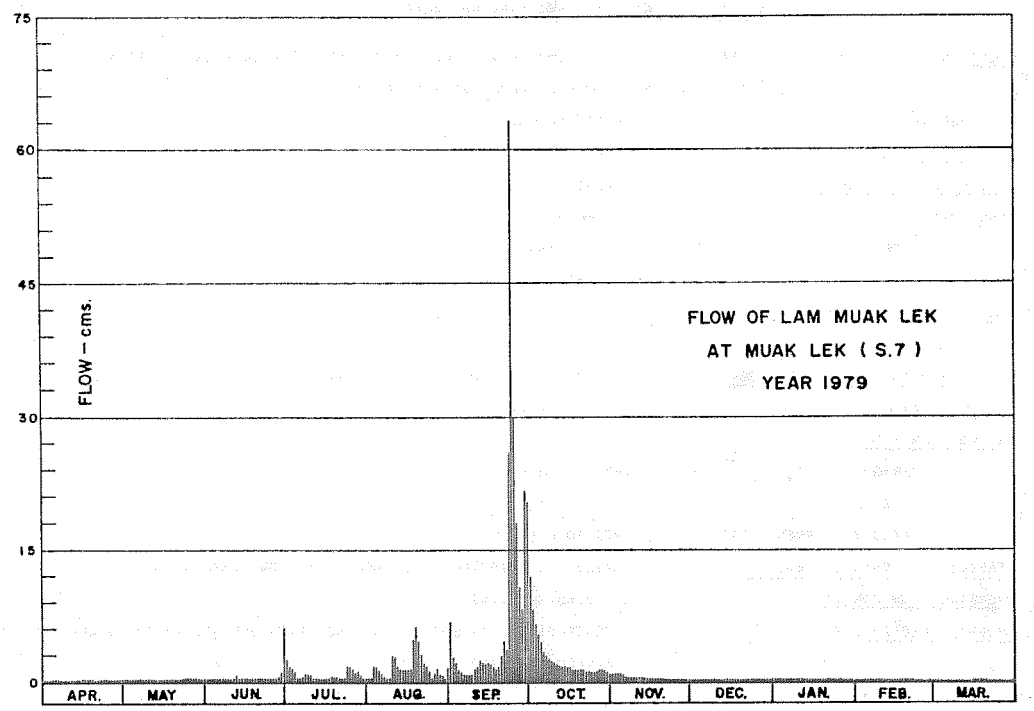
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.50	0.51	0.73	0.55	0.95	1.20	0.58	0.51	0.49	0.49	0.47	
2	0.47	0.50	0.52	0.65	0.55	0.73	1.03	0.58	0.51	0.49	0.49	0.47	
3	0.47	0.50	0.52	0.61	0.66	0.67	0.94	0.58	0.51	0.49	0.49	0.47	
4	0.47	0.50	0.52	0.59	0.64	0.61	0.87	0.58	0.51	0.49	0.49	0.46	
5	0.49	0.50	0.53	0.55	0.61	0.59	0.82	0.57	0.51	0.49	0.48	0.46	
6	0.48	0.50	0.53	0.54	0.58	0.58	0.76	0.56	0.51	0.49	0.49	0.46	
7	0.47	0.51	0.52	0.54	0.56	0.58	0.74	0.56	0.51	0.49	0.49	0.46	
8	0.47	0.50	0.52	0.57	0.55	0.58	0.71	0.56	0.51	0.49	0.49	0.46	
9	0.47	0.50	0.52	0.57	0.55	0.58	0.69	0.56	0.51	0.49	0.49	0.46	
10	0.47	0.49	0.50	0.57	0.73	0.63	0.68	0.56	0.50	0.49	0.48	0.46	
11	0.47	0.49	0.51	0.55	0.73	0.64	0.67	0.56	0.50	0.49	0.48	0.46	
12	0.48	0.49	0.57	0.55	0.66	0.71	0.65	0.56	0.50	0.49	0.48	0.46	
13	0.48	0.49	0.52	0.53	0.63	0.69	0.65	0.56	0.49	0.49	0.48	0.47	
14	0.48	0.48	0.54	0.53	0.62	0.66	0.65	0.54	0.49	0.49	0.48	0.47	
15	0.49	0.48	0.52	0.53	0.61	0.67	0.64	0.53	0.49	0.49	0.48	0.47	
16	0.49	0.49	0.53	0.54	0.61	0.66	0.64	0.53	0.49	0.49	0.48	0.48	
17	0.48	0.49	0.55	0.55	0.63	0.64	0.61	0.53	0.49	0.49	0.49	0.48	
18	0.48	0.49	0.54	0.56	0.88	0.61	0.62	0.53	0.49	0.49	0.49	0.48	
19	0.48	0.52	0.53	0.56	0.93	0.64	0.61	0.53	0.49	0.49	0.49	0.49	
20	0.48	0.51	0.54	0.56	0.83	0.73	0.61	0.53	0.49	0.50	0.48	0.49	
21	0.48	0.49	0.54	0.55	0.74	0.85	0.61	0.52	0.49	0.50	0.48	0.47	
22	0.49	0.49	0.54	0.55	0.68	0.77	0.59	0.52	0.49	0.50	0.48	0.47	
23	0.49	0.53	0.53	0.56	0.65	0.77	0.59	0.52	0.49	0.50	0.48	0.47	
24	0.49	0.55	0.53	0.65	0.61	2.70	0.59	0.52	0.49	0.49	0.47	0.47	
25	0.50	0.55	0.53	0.65	0.55	1.82	0.59	0.52	0.49	0.49	0.47	0.47	
26	0.49	0.54	0.52	0.62	0.58	1.44	0.60	0.52	0.49	0.49	0.47	0.46	
27	0.49	0.53	0.52	0.57	0.61	1.15	0.62	0.52	0.49	0.49	0.47	0.46	
28	0.49	0.53	0.52	0.59	0.58	1.03	0.62	0.52	0.49	0.49	0.47	0.46	
29	0.49	0.52	0.59	0.57	0.58	1.57	0.60	0.52	0.49	0.48	0.48	0.46	
30	0.50	0.51	0.92	0.55	0.54	1.51	0.60	0.51	0.49	0.48		0.46	
31		0.51		0.55	0.63		0.58		0.49	0.49		0.45	
MEAN	0.48	0.51	0.54	0.57	0.64	0.89	0.69	0.54	0.50	0.49	0.48	0.47	
MAX	0.50	0.55	0.92	0.73	0.93	2.70	1.20	0.58	0.51	0.50	0.49	0.49	2.70
MIN	0.47	0.48	0.50	0.53	0.54	0.58	0.58	0.51	0.49	0.48	0.47	0.45	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.14 M (A.D.), AT 8.00 HOURS, ON SEP 24, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.75 M (A.D.)

LEFT BANK ELEVATION 7.89 M (A.D.)

RIGHT BANK ELEVATION 7.88 M (A.D.), DRAINAGE AREA 177 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.39	0.43	3.08	0.59	6.85	12.10	1.08	0.43	0.35	0.35	0.28	
2	0.28	0.39	0.47	2.00	0.59	3.08	8.43	1.08	0.43	0.35	0.35	0.28	
3	0.28	0.39	0.47	1.52	2.12	2.24	6.66	1.08	0.43	0.35	0.35	0.28	
4	0.28	0.39	0.47	1.24	1.88	1.52	5.39	1.08	0.43	0.35	0.35	0.24	
5	0.35	0.39	0.51	0.59	1.52	1.24	4.54	0.91	0.43	0.35	0.31	0.24	
6	0.31	0.39	0.51	0.55	1.08	1.08	3.56	0.75	0.43	0.35	0.35	0.24	
7	0.28	0.43	0.47	0.55	0.75	1.08	3.24	0.75	0.43	0.35	0.35	0.24	
8	0.28	0.39	0.47	0.91	0.59	1.08	2.76	0.75	0.43	0.35	0.35	0.24	
9	0.28	0.39	0.47	0.91	0.59	1.08	2.48	0.75	0.43	0.35	0.35	0.24	
10	0.28	0.35	0.39	0.91	3.08	1.76	2.36	0.75	0.39	0.35	0.31	0.24	
11	0.28	0.35	0.43	0.59	3.08	1.88	2.24	0.75	0.39	0.35	0.31	0.24	
12	0.31	0.35	0.91	0.59	2.12	2.76	2.00	0.75	0.39	0.35	0.31	0.24	
13	0.31	0.35	0.47	0.51	1.76	2.48	2.00	0.75	0.35	0.35	0.31	0.28	
14	0.31	0.31	0.55	0.51	1.64	2.12	2.00	0.55	0.35	0.35	0.31	0.28	
15	0.35	0.31	0.47	0.51	1.52	2.24	1.88	0.51	0.35	0.35	0.31	0.28	
16	0.35	0.35	0.51	0.55	1.52	2.12	1.88	0.51	0.35	0.35	0.31	0.31	
17	0.31	0.35	0.59	0.59	1.76	1.88	1.52	0.51	0.35	0.35	0.35	0.31	
18	0.31	0.35	0.55	0.75	5.56	1.52	1.64	0.51	0.35	0.35	0.35	0.31	
19	0.31	0.47	0.51	0.75	6.47	1.88	1.52	0.51	0.35	0.35	0.35	0.35	
20	0.31	0.43	0.55	0.75	4.71	3.08	1.52	0.51	0.35	0.39	0.31	0.35	
21	0.31	0.35	0.55	0.59	3.24	5.05	1.52	0.47	0.35	0.39	0.31	0.28	
22	0.35	0.35	0.55	0.59	2.36	3.72	1.24	0.47	0.35	0.39	0.31	0.28	
23	0.35	0.51	0.51	0.75	2.00	3.72	1.24	0.47	0.35	0.39	0.31	0.28	
24	0.35	0.59	0.51	2.00	1.52	63.20	1.24	0.47	0.35	0.35	0.28	0.28	
25	0.39	0.59	0.51	2.00	0.59	30.28	1.24	0.47	0.35	0.35	0.28	0.28	
26	0.35	0.55	0.47	1.64	1.08	18.36	1.40	0.47	0.35	0.35	0.28	0.24	
27	0.35	0.51	0.47	0.91	1.52	11.00	1.64	0.47	0.35	0.35	0.28	0.24	
28	0.35	0.51	0.47	1.24	1.08	8.43	1.64	0.47	0.35	0.35	0.28	0.24	
29	0.35	0.47	1.24	0.91	1.08	22.20	1.40	0.47	0.35	0.31	0.31	0.24	
30	0.39	0.43	6.28	0.59	0.55	20.40	1.40	0.43	0.35	0.31		0.24	
31		0.43		0.59	1.76		1.08		0.35	0.35		0.20	
TOTAL	9.59	12.81	21.76	30.17	59.71	229.33	84.76	19.50	11.69	10.93	9.28	8.27	507.80 CMSDAY
MEAN	0.32	0.41	0.73	0.97	1.93	7.64	2.73	0.65	0.38	0.35	0.32	0.27	1.39 CMS
MAX	0.39	0.59	6.28	3.08	6.47	63.20	12.10	1.08	0.43	0.39	0.35	0.35	63.20 CMS
MIN	0.28	0.31	0.39	0.51	0.55	1.08	1.08	0.43	0.35	0.31	0.28	0.20	0.20 CMS
RUNOFF	0.829	1.107	1.880	2.607	5.159	19.814	7.323	1.685	1.010	0.944	0.802	0.715	43.874 MCM

MOMENTARY PEAK 136.76 CMS, AT 4.14 M (A.D), AT 8.00 HOURS, ON SEP 24, 1979
RUNOFF YIELD 7.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 772.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

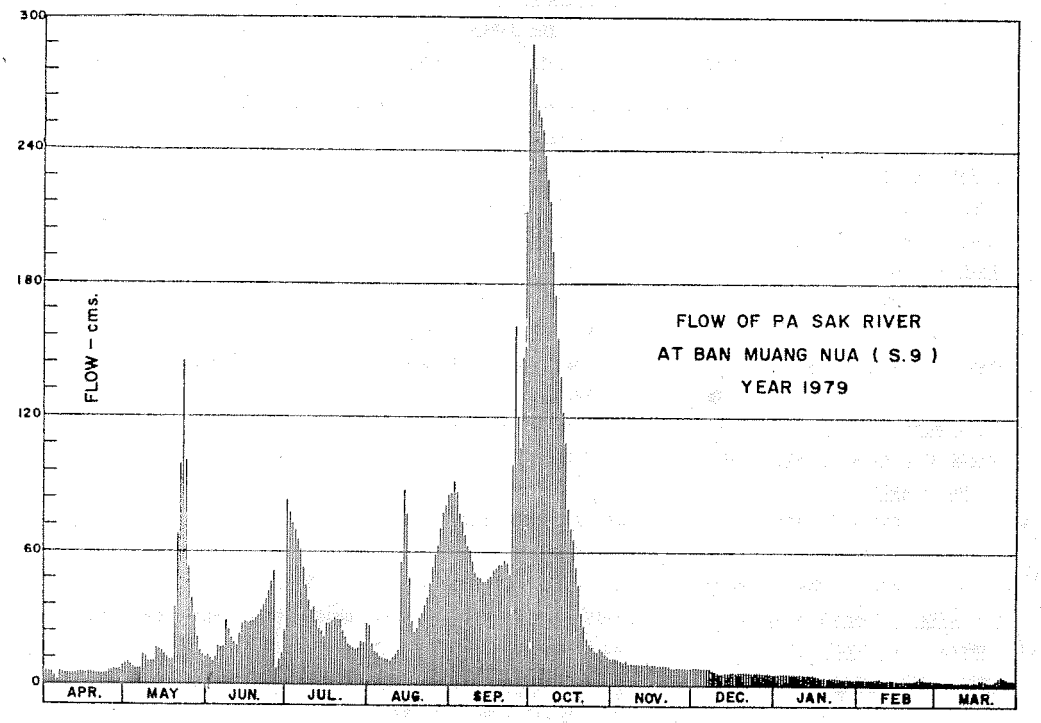
PA SAK RIVER AT BAN MUANG NUA, SARABURI (S.9)

LOCATION	LAT. 14-37-33 N., LONG. 101-01-00 E., ON LEFT BANK ABOUT 5 KILOMETERS UPSTREAM FROM S.2, BAN MUANG NUA, AMPHOE KAENG KHOI, SARABURI.
DRAINAGE AREA	14,374 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+6.330 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+21.937 M. (M.S.L.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.28	7.38	7.52	8.74	7.86	8.79	10.80	7.53	7.40	7.28	7.19	7.15	
2	7.28	7.46	7.51	8.67	7.70	8.86	10.66	7.51	7.40	7.27	7.19	7.15	
3	7.28	7.43	7.48	8.61	7.60	8.75	10.54	7.51	7.39	7.28	7.18	7.15	
4	7.27	7.37	7.50	8.56	7.56	8.69	10.52	7.50	7.39	7.29	7.18	7.14	
5	7.27	7.35	7.66	8.51	7.54	8.62	10.46	7.48	7.38	7.28	7.17	7.14	
6	7.28	7.34	7.64	8.42	7.51	8.54	10.36	7.49	7.38	7.27	7.17	7.13	
7	7.28	7.33	7.65	8.30	7.50	8.46	10.26	7.46	7.38	7.26	7.17	7.13	
8	7.26	7.40	7.90	8.19	7.49	8.43	10.16	7.45	7.32	7.26	7.17	7.13	
9	7.25	7.57	7.81	8.07	7.49	8.35	9.95	7.44	7.31	7.26	7.19	7.13	
10	7.25	7.55	7.74	7.99	7.54	8.29	9.76	7.44	7.30	7.26	7.17	7.13	
11	7.26	7.46	7.70	8.00	7.57	8.23	9.57	7.43	7.29	7.26	7.17	7.13	
12	7.27	7.47	7.67	7.91	7.66	8.23	9.39	7.43	7.29	7.25	7.16	7.13	
13	7.28	7.63	7.75	7.82	8.33	8.21	9.22	7.44	7.29	7.25	7.16	7.13	
14	7.28	7.60	7.87	7.78	8.80	8.19	9.07	7.45	7.30	7.25	7.15	7.12	
15	7.27	7.59	7.88	7.76	8.67	8.21	8.89	7.44	7.30	7.24	7.14	7.16	
16	7.28	7.58	7.86	7.85	8.23	8.25	8.70	7.44	7.30	7.24	7.15	7.14	
17	7.28	7.50	7.88	7.89	7.91	8.29	8.50	7.44	7.30	7.24	7.15	7.19	
18	7.28	7.45	7.88	7.90	7.79	8.30	8.31	7.43	7.30	7.24	7.15	7.19	
19	7.27	7.50	7.91	7.92	7.84	8.32	8.15	7.43	7.30	7.23	7.15	7.16	
20	7.27	7.99	7.94	7.90	7.92	8.32	8.00	7.42	7.32	7.23	7.15	7.13	
21	7.26	8.53	7.98	7.85	7.97	8.35	7.86	7.42	7.31	7.22	7.15	7.13	
22	7.25	8.90	8.02	7.80	8.02	8.34	7.76	7.42	7.31	7.22	7.15	7.14	
23	7.26	9.45	8.07	7.75	8.10	8.26	7.70	7.41	7.29	7.22	7.14	7.15	
24	7.30	8.96	8.11	7.70	8.20	8.72	7.66	7.40	7.30	7.21	7.18	7.21	
25	7.32	8.31	8.19	7.67	8.30	9.63	7.64	7.40	7.30	7.21	7.23	7.26	
26	7.23	8.07	8.26	7.66	8.40	9.19	7.62	7.40	7.30	7.20	7.19	7.21	
27	7.33	7.93	7.35	7.63	8.49	9.04	7.64	7.40	7.29	7.20	7.17	7.19	
28	7.33	7.75	7.49	7.64	8.58	9.49	7.63	7.40	7.28	7.20	7.16	7.17	
29	7.45	7.63	7.57	7.71	8.67	10.12	7.58	7.39	7.28	7.19	7.16	7.15	
30	7.45	7.58	7.72	7.69	8.73	10.72	7.57	7.39	7.28	7.19		7.15	
31		7.54		7.85	8.78		7.53		7.28	7.19		7.17	
MEAN	7.29	7.76	7.78	7.99	8.02	8.67	8.89	7.44	7.32	7.24	7.17	7.15	
MAX	7.45	9.45	8.26	8.74	8.80	10.72	10.80	7.53	7.40	7.29	7.23	7.26	10.80
MIN	7.25	7.33	7.35	7.63	7.49	8.19	7.53	7.39	7.28	7.19	7.14	7.12	7.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.83 M (MSL), AT 15.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 6.33 M (MSL), RIVER BED 4.62 M (MSL)
LEFT BANK ELEVATION 21.95 M (MSL)
RIGHT BANK ELEVATION 22.00 M (MSL), DRAINAGE AREA 14374 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.50	8.00	12.20	83.00	27.00	86.75	288.00	12.55	8.50	5.50	3.30	2.50	
2	5.50	10.30	11.85	77.75	19.00	92.30	271.60	11.85	8.50	5.25	3.30	2.50	
3	5.50	9.40	10.90	73.25	15.00	83.75	258.40	11.85	8.25	5.50	3.10	2.50	
4	5.25	7.75	11.50	69.70	13.60	79.25	256.20	11.50	8.25	5.75	3.10	2.30	
5	5.25	7.25	17.40	66.20	12.90	74.00	249.60	10.90	8.00	5.50	2.90	2.30	
6	5.50	7.00	16.60	60.50	11.85	68.30	238.60	11.20	8.00	5.25	2.90	2.10	
7	5.50	6.75	17.00	53.00	11.50	63.00	227.60	10.30	8.00	5.00	2.90	2.10	
8	5.00	8.50	29.00	46.12	11.20	61.12	216.80	10.00	6.50	5.00	2.90	2.10	
9	4.75	13.95	24.50	38.70	11.20	56.12	194.75	9.70	6.25	5.00	3.30	2.10	
10	4.75	13.25	21.00	33.95	12.90	52.37	174.80	9.70	6.00	5.00	2.90	2.10	
11	5.00	10.30	19.00	34.50	13.95	48.63	155.65	9.40	5.75	5.00	2.90	2.10	
12	5.25	10.60	17.80	29.55	17.40	48.63	138.55	9.40	5.75	4.75	2.70	2.10	
13	5.50	16.20	21.50	25.00	54.88	47.38	122.80	9.70	5.75	4.75	2.70	2.10	
14	5.50	15.00	27.50	23.00	87.50	46.12	109.95	10.00	6.00	4.75	2.50	1.90	
15	5.25	14.65	28.00	22.00	77.75	47.38	94.70	9.70	6.00	4.50	2.30	2.70	
16	5.50	14.30	27.00	26.50	43.63	49.88	80.00	9.70	6.00	4.50	2.50	2.30	
17	5.50	11.50	28.00	28.50	29.55	52.37	65.50	9.70	6.00	4.50	2.50	3.30	
18	5.50	10.00	28.00	29.00	23.50	53.00	53.63	9.40	6.00	4.50	2.50	3.30	
19	5.25	11.50	29.55	30.10	26.00	54.25	43.63	9.40	6.00	4.25	2.50	2.70	
20	5.25	33.95	31.20	29.00	30.10	54.25	34.50	9.10	6.50	4.25	2.50	2.10	
21	5.00	67.60	33.40	26.50	32.85	56.12	27.00	9.10	6.25	4.00	2.50	2.10	
22	4.75	95.50	35.70	24.00	35.70	55.50	22.00	9.10	6.25	4.00	2.50	2.30	
23	5.00	144.25	38.70	21.50	40.50	50.50	19.00	8.80	5.75	4.00	2.30	2.50	
24	6.00	100.60	41.13	19.00	46.75	81.50	17.40	8.50	6.00	3.75	3.10	3.75	
25	6.50	53.63	46.12	17.80	53.00	161.50	16.60	8.50	6.00	3.75	4.25	5.00	
26	6.75	38.70	50.50	17.40	59.25	120.15	15.80	8.50	6.00	3.50	3.30	3.75	
27	6.75	30.65	7.25	16.20	64.87	107.40	16.60	8.50	5.75	3.50	2.90	3.30	
28	6.75	21.50	11.20	16.60	71.10	148.05	16.20	8.50	5.50	3.50	2.70	2.90	
29	10.00	16.20	13.95	19.50	77.75	212.60	14.30	8.25	5.50	3.30	2.70	2.50	
30	10.00	14.30	20.00	18.60	82.25	278.40	13.95	8.25	5.50	3.30		2.50	
31		12.90		27.00	86.00		12.55		5.50	3.30		2.90	
TOTAL	173.50	835.98	727.45	1103.42	1205.43	2490.57	3466.66	291.05	200.00	138.40	82.45	80.70	10795.60 CMSDAY
MEAN	5.78	26.97	24.25	35.59	38.88	83.02	111.83	9.70	6.45	4.46	2.84	2.60	29.50 CMS
MAX	10.00	144.25	50.50	83.00	87.50	278.40	288.00	12.55	8.50	5.75	4.25	5.00	288.00 CMS
MIN	4.75	6.75	7.25	16.20	11.20	46.12	12.55	8.25	5.50	3.30	2.30	1.90	1.90 CMS
RUNOFF	14.990	72.229	62.852	95.335	104.149	215.185	299.519	25.147	17.280	11.958	7.124	6.972	932.739 MCM

MOMENTARY PEAK 291.60 CMS, AT 10.83 M (MSL), AT 15.00 HOURS, ON SEP 30, 1979

RUNOFF YIELD 2.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

NAM PHUNG AT BAN NAM KHOP, PHETCHABUN (S.10)

LOCATION — LAT. 16°-56'-50" N., LONG. 101°-13'-10" E., ON RIGHT BANK AT NAM PHUNG BRIDGE, TAMBON HIN HAO, AMPHOE LOM KAO, PHETCHABUN.

DRAINAGE AREA — 268 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +8.823 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967, 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967, 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 18 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

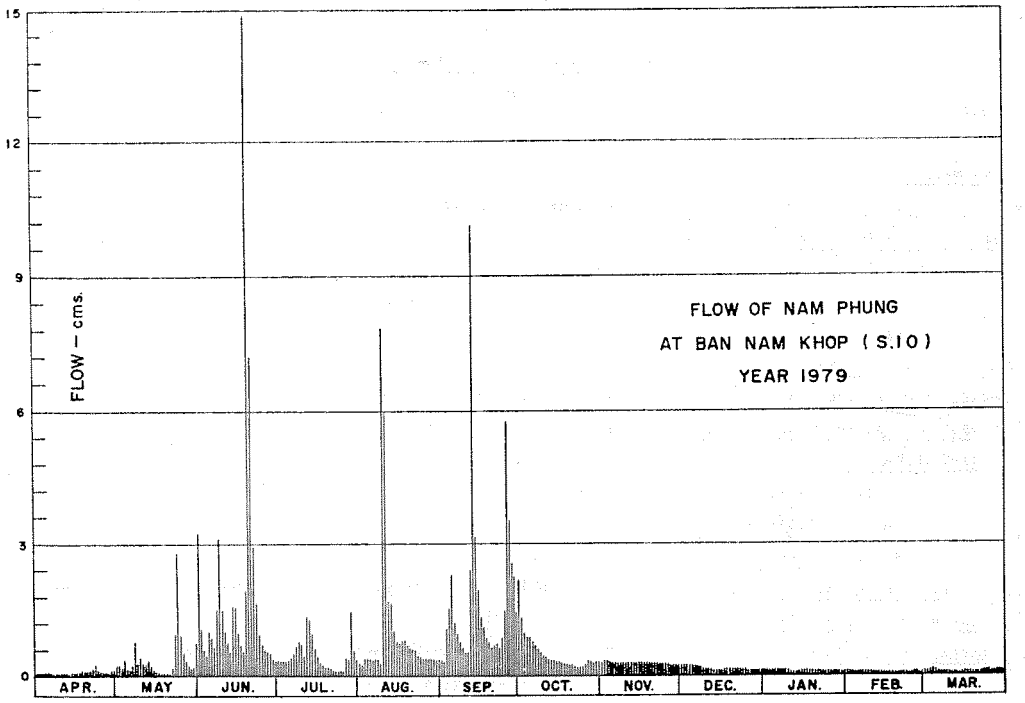
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.35	0.98	0.39	0.36	0.39	0.81	0.37	0.34	0.30	0.29	0.29	
2	0.25	0.36	0.61	0.38	0.35	0.39	0.64	0.39	0.34	0.29	0.28	0.29	
3	0.26	0.28	0.46	0.38	0.41	0.59	0.57	0.39	0.34	0.30	0.27	0.30	
4	0.26	0.40	0.43	0.39	0.41	0.69	0.54	0.38	0.34	0.30	0.27	0.31	
5	0.28	0.32	0.60	0.39	0.41	0.83	0.54	0.37	0.34	0.29	0.27	0.30	
6	0.27	0.30	0.54	0.41	0.40	0.62	0.52	0.37	0.34	0.28	0.26	0.28	
7	0.25	0.29	0.48	0.44	0.39	0.57	0.50	0.37	0.33	0.27	0.26	0.27	
8	0.26	0.52	0.68	0.48	0.39	0.52	0.47	0.37	0.33	0.27	0.27	0.26	
9	0.28	0.37	0.96	0.52	0.36	0.48	0.45	0.37	0.32	0.28	0.27	0.26	
10	0.25	0.42	0.69	0.50	1.49	0.45	0.43	0.37	0.31	0.28	0.26	0.26	
11	0.27	0.37	0.57	0.42	1.31	0.45	0.42	0.37	0.31	0.26	0.26	0.25	
12	0.27	0.34	0.52	0.65	0.72	0.84	0.40	0.37	0.30	0.26	0.25	0.25	
13	0.30	0.39	0.45	0.64	0.71	1.71	0.40	0.37	0.29	0.26	0.25	0.24	
14	0.28	0.35	0.70	0.57	0.59	0.97	0.39	0.37	0.29	0.26	0.24	0.24	
15	0.28	0.31	0.70	0.48	0.53	0.75	0.38	0.37	0.30	0.26	0.25	0.25	
16	0.29	0.28	0.57	0.42	0.51	0.66	0.37	0.37	0.30	0.27	0.25	0.28	
17	0.30	0.27	0.50	0.37	0.52	0.61	0.37	0.36	0.30	0.27	0.24	0.27	
18	0.30	0.25	0.46	0.35	0.53	0.54	0.37	0.37	0.29	0.25	0.23	0.25	
19	0.28	0.25	0.59	0.33	0.50	0.52	0.37	0.37	0.29	0.25	0.24	0.25	
20	0.28	0.25	2.15	0.33	0.48	0.48	0.35	0.37	0.30	0.25	0.24	0.26	
21	0.29	0.25	1.43	0.32	0.47	0.49	0.35	0.36	0.28	0.26	0.24	0.27	
22	0.32	0.32	0.92	0.30	0.46	0.51	0.33	0.36	0.29	0.28	0.25	0.27	
23	0.36	0.51	0.68	0.29	0.43	0.48	0.32	0.36	0.29	0.28	0.25	0.28	
24	0.31	0.91	0.56	0.29	0.43	0.54	0.33	0.36	0.29	0.26	0.25	0.29	
25	0.28	0.56	0.50	0.29	0.41	0.68	0.33	0.36	0.29	0.26	0.25	0.30	
26	0.27	0.46	0.46	0.29	0.41	1.29	0.36	0.36	0.29	0.27	0.26	0.26	
27	0.27	0.40	0.45	0.41	0.41	1.02	0.39	0.35	0.29	0.25	0.28	0.28	
28	0.25	0.35	0.44	0.40	0.41	0.87	0.38	0.35	0.29	0.26	0.29	0.28	
29	0.28	0.32	0.39	0.67	0.40	0.79	0.37	0.35	0.29	0.29	0.00	0.29	
30	0.28	0.32	0.39	0.46	0.40	0.67	0.38	0.34	0.29	0.27		0.29	
31		0.55		0.40	0.40		0.38		0.29	0.27		0.28	
MEAN	0.28	0.37	0.66	0.42	0.52	0.68	0.43	0.37	0.31	0.27	0.25	0.27	
MAX	0.36	0.91	2.15	0.67	1.49	1.71	0.81	0.39	0.34	0.30	0.29	0.31	2.15
MIN	0.25	0.25	0.39	0.29	0.35	0.39	0.32	0.34	0.28	0.25	0.00	0.24	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.12 M (A.D.), AT 19.00 HOURS, ON JUN 20, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.35 M (A.D.)

LEFT BANK ELEVATION 8.82 M (A.D.)

RIGHT BANK ELEVATION 9.27 M (A.D.), DRAINAGE AREA 268 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.24	3.23	0.34	0.26	0.34	2.16	0.29	0.22	0.12	0.11	0.11	
2	0.06	0.26	1.15	0.31	0.24	0.34	1.29	0.34	0.22	0.11	0.10	0.11	
3	0.07	0.10	0.56	0.31	0.39	1.06	0.98	0.34	0.22	0.12	0.08	0.12	
4	0.07	0.36	0.46	0.34	0.39	1.53	0.86	0.31	0.22	0.12	0.08	0.14	
5	0.10	0.17	1.10	0.34	0.39	2.29	0.86	0.29	0.22	0.11	0.08	0.12	
6	0.08	0.12	0.86	0.39	0.36	1.20	0.78	0.29	0.22	0.10	0.07	0.10	
7	0.06	0.11	0.63	0.50	0.34	0.98	0.70	0.29	0.19	0.08	0.07	0.08	
8	0.07	0.78	1.48	0.63	0.34	0.78	0.60	0.29	0.19	0.08	0.08	0.07	
9	0.10	0.29	3.11	0.78	0.26	0.63	0.53	0.29	0.17	0.10	0.08	0.07	
10	0.06	0.43	1.53	0.70	7.84	0.53	0.46	0.29	0.14	0.10	0.07	0.07	
11	0.08	0.29	0.98	0.43	5.96	0.53	0.43	0.29	0.14	0.07	0.07	0.06	
12	0.08	0.22	0.78	1.34	1.68	2.35	0.36	0.29	0.12	0.07	0.06	0.06	
13	0.12	0.34	0.53	1.29	1.63	10.12	0.36	0.29	0.11	0.07	0.06	0.05	
14	0.10	0.24	1.58	0.98	1.06	3.17	0.34	0.29	0.11	0.07	0.05	0.05	
15	0.10	0.14	1.58	0.63	0.82	1.84	0.31	0.29	0.12	0.07	0.06	0.06	
16	0.11	0.10	0.98	0.43	0.74	1.39	0.29	0.29	0.12	0.08	0.06	0.10	
17	0.12	0.08	0.70	0.29	0.78	1.15	0.29	0.26	0.12	0.08	0.05	0.08	
18	0.12	0.06	0.56	0.24	0.82	0.86	0.29	0.29	0.11	0.06	0.04	0.06	
19	0.10	0.06	1.06	0.19	0.70	0.78	0.29	0.29	0.11	0.06	0.05	0.06	
20	0.10	0.06	14.84	0.19	0.63	0.63	0.24	0.29	0.12	0.06	0.05	0.07	
21	0.11	0.06	7.21	0.17	0.60	0.67	0.24	0.26	0.10	0.07	0.05	0.08	
22	0.17	0.17	2.86	0.12	0.56	0.74	0.19	0.26	0.11	0.10	0.06	0.08	
23	0.26	0.74	1.48	0.11	0.46	0.63	0.17	0.26	0.11	0.10	0.06	0.10	
24	0.14	2.79	0.94	0.11	0.46	0.86	0.19	0.26	0.11	0.07	0.06	0.11	
25	0.10	0.94	0.70	0.11	0.39	1.48	0.19	0.26	0.11	0.07	0.06	0.12	
26	0.08	0.56	0.56	0.11	0.39	5.77	0.26	0.26	0.11	0.08	0.07	0.07	
27	0.08	0.36	0.53	0.39	0.39	3.51	0.34	0.24	0.11	0.06	0.10	0.10	
28	0.06	0.24	0.50	0.36	0.39	2.54	0.31	0.24	0.11	0.07	0.11	0.10	
29	0.10	0.17	0.34	1.44	0.36	2.05	0.29	0.24	0.11	0.11	0.00	0.11	
30	0.10	0.17	0.34	0.56	0.36	1.44	0.31	0.22	0.11	0.08		0.11	
31		0.90		0.36	0.36		0.31		0.11	0.08		0.10	
TOTAL	2.96	11.55	53.16	14.49	30.35	52.19	15.22	8.39	4.39	2.62	1.94	2.72	199.98 CMSDAY
MEAN	0.10	0.37	1.77	0.47	0.98	1.74	0.49	0.28	0.14	0.08	0.07	0.09	0.55 CMS
MAX	0.26	2.79	14.84	1.44	7.84	10.12	2.16	0.34	0.22	0.12	0.11	0.14	14.84 CMS
MIN	0.06	0.06	0.34	0.11	0.24	0.34	0.17	0.22	0.10	0.06	0.00	0.05	0.00 CMS
RUNOFF	0.256	0.998	4.593	1.252	2.622	4.509	1.315	0.725	0.379	0.226	0.168	0.235	17.278 MCM

MOMENTARY PEAK 29.23 CMS, AT 3.12 M (A.D), AT 19.00 HOURS, ON JUN 20, 1979

RUNOFF YIELD 2.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 109.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

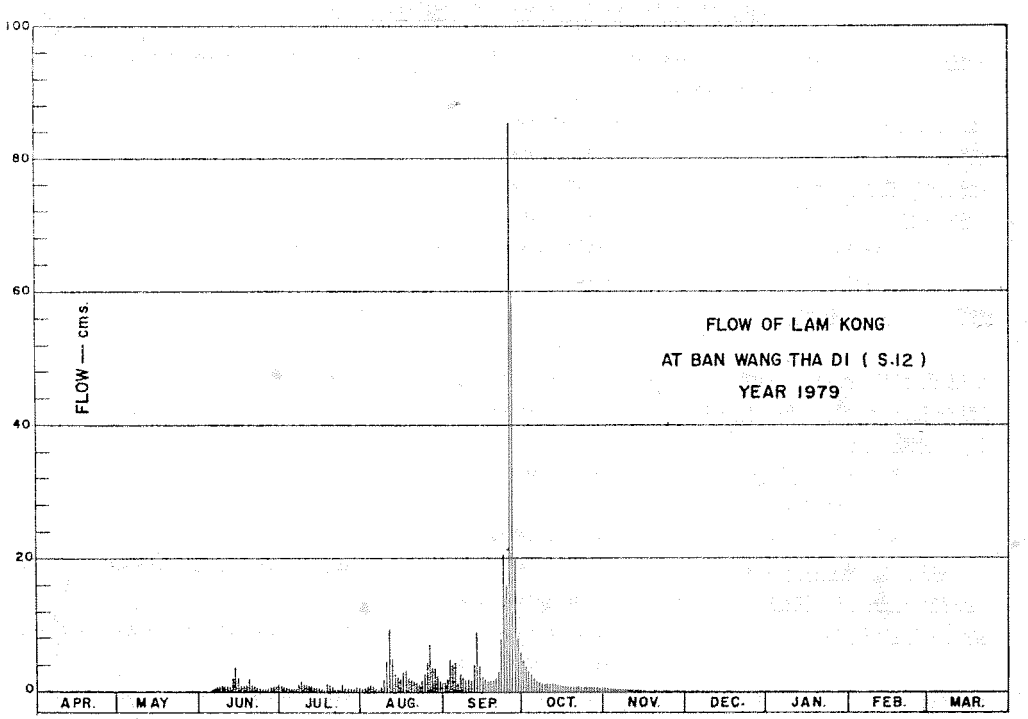
LAM KONG AT BAN WANG THA DI, PHETCHABUN (S.12)

LOCATION	LAT. 15°59'50" N., LONG. 101°14'28" E., ON LEFT BANK AT BAN WANG THA DI, AMPHOE NONG PHAI, PHETCHABUN.
DRAINAGE AREA	471 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-M.S.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+5.792 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 137 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.43	0.46	0.71	0.58	0.77	1.07	0.59	0.50	0.48	0.44	0.44	
2	0.41	0.44	0.46	0.66	0.57	0.83	1.01	0.59	0.49	0.48	0.44	0.44	
3	0.42	0.44	0.45	0.63	0.73	1.11	0.95	0.59	0.49	0.48	0.44	0.44	
4	0.42	0.44	0.49	0.60	0.73	1.05	0.90	0.59	0.49	0.48	0.44	0.44	
5	0.41	0.43	0.51	0.58	0.65	1.06	0.85	0.58	0.49	0.48	0.44	0.44	
6	0.40	0.43	0.64	0.58	0.61	0.78	0.81	0.58	0.49	0.48	0.44	0.44	
7	0.40	0.42	0.68	0.58	0.61	0.92	0.79	0.57	0.49	0.47	0.44	0.44	
8	0.40	0.43	0.73	0.79	0.72	0.85	0.78	0.57	0.49	0.47	0.43	0.44	
9	0.40	0.43	0.72	0.80	0.82	0.83	0.76	0.57	0.49	0.46	0.43	0.44	
10	0.40	0.43	0.80	0.71	1.10	0.83	0.75	0.57	0.49	0.46	0.43	0.44	
11	0.40	0.47	0.70	0.72	1.39	0.80	0.74	0.57	0.49	0.46	0.43	0.43	
12	0.40	0.46	0.65	0.75	1.16	0.96	0.73	0.56	0.48	0.46	0.43	0.43	
13	0.40	0.45	0.89	0.68	0.90	1.36	0.72	0.55	0.48	0.46	0.43	0.43	
14	0.40	0.44	0.99	0.63	0.87	1.03	0.71	0.54	0.48	0.46	0.43	0.43	
15	0.42	0.43	0.89	0.59	0.82	0.90	0.69	0.54	0.48	0.46	0.43	0.43	
16	0.42	0.42	0.76	0.57	0.94	0.86	0.68	0.53	0.48	0.46	0.43	0.44	
17	0.42	0.42	0.73	0.55	0.98	0.82	0.67	0.53	0.48	0.46	0.43	0.47	
18	0.43	0.42	0.73	0.54	0.88	0.80	0.67	0.53	0.48	0.46	0.43	0.47	
19	0.43	0.45	0.86	0.73	0.83	0.80	0.65	0.52	0.48	0.46	0.43	0.47	
20	0.42	0.48	0.73	0.67	0.82	0.84	0.65	0.52	0.48	0.46	0.44	0.47	
21	0.42	0.53	0.67	0.60	0.77	0.92	0.65	0.52	0.48	0.46	0.44	0.47	
22	0.41	0.56	0.63	0.56	0.72	1.01	0.63	0.51	0.48	0.46	0.44	0.46	
23	0.41	0.58	0.60	0.56	0.70	1.86	0.63	0.51	0.44	0.45	0.45	0.46	
24	0.41	0.54	0.58	0.70	0.85	1.70	0.63	0.50	0.44	0.45	0.46	0.46	
25	0.41	0.52	0.58	0.66	0.99	2.02	0.62	0.50	0.47	0.45	0.46	0.45	
26	0.41	0.50	0.57	0.60	1.25	3.30	0.62	0.50	0.47	0.45	0.46	0.45	
27	0.44	0.49	0.58	0.58	1.06	2.06	0.61	0.50	0.47	0.45	0.46	0.45	
28	0.48	0.48	0.64	0.56	0.98	1.53	0.61	0.50	0.48	0.45	0.46	0.44	
29	0.46	0.47	0.63	0.57	0.96	1.30	0.61	0.50	0.48	0.45	0.45	0.44	
30	0.45	0.46	0.67	0.64	0.81	1.17	0.60	0.50	0.47	0.44		0.43	
31		0.46		0.57	0.79		0.59		0.47	0.44		0.43	
MEAN	0.42	0.46	0.67	0.63	0.86	1.18	0.72	0.54	0.48	0.46	0.44	0.45	
MAX	0.48	0.58	0.99	0.80	1.39	3.30	1.07	0.59	0.50	0.48	0.46	0.47	3.30
MIN	0.40	0.42	0.45	0.54	0.57	0.77	0.59	0.50	0.44	0.44	0.43	0.43	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.84 M. (A.D), AT 2.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.02 M (A.D)
LEFT BANK ELEVATION 7.11 M (A.D)
RIGHT BANK ELEVATION 6.92 M (A.D), DRAINAGE AREA 471 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.03	0.06	1.07	0.46	1.49	4.37	0.50	0.10	0.08	0.04	0.04	
2	0.01	0.04	0.06	0.82	0.41	1.97	3.71	0.50	0.09	0.08	0.04	0.04	
3	0.02	0.04	0.05	0.69	1.21	4.85	3.10	0.50	0.09	0.08	0.04	0.04	
4	0.02	0.04	0.09	0.55	1.21	4.26	2.60	0.50	0.09	0.08	0.04	0.04	
5	0.01	0.03	0.14	0.46	0.77	4.26	2.15	0.46	0.09	0.08	0.04	0.04	
6	0.00	0.03	0.73	0.46	0.59	1.56	1.79	0.46	0.09	0.08	0.04	0.04	
7	0.00	0.02	0.91	0.46	0.59	2.80	1.63	0.41	0.09	0.07	0.04	0.04	
8	0.00	0.03	1.21	1.56	1.14	2.15	1.56	0.41	0.09	0.07	0.03	0.04	
9	0.00	0.03	1.14	1.70	1.88	1.97	1.42	0.41	0.09	0.06	0.03	0.04	
10	0.00	0.03	1.70	1.07	4.70	1.97	1.35	0.41	0.09	0.06	0.03	0.04	
11	0.00	0.07	1.00	1.14	9.52	1.70	1.28	0.41	0.09	0.06	0.03	0.03	
12	0.00	0.06	0.77	1.35	5.60	3.20	1.21	0.37	0.08	0.06	0.03	0.03	
13	0.00	0.05	2.51	0.91	2.60	8.98	1.14	0.32	0.08	0.06	0.03	0.03	
14	0.00	0.04	3.50	0.69	2.33	3.93	1.07	0.28	0.08	0.06	0.03	0.03	
15	0.02	0.03	2.51	0.50	1.88	2.60	0.95	0.28	0.08	0.06	0.03	0.03	
16	0.02	0.02	1.42	0.41	3.00	2.24	0.91	0.23	0.08	0.06	0.03	0.04	
17	0.02	0.02	1.21	0.32	3.40	1.88	0.86	0.23	0.08	0.06	0.03	0.07	
18	0.03	0.02	1.21	0.28	2.42	1.70	0.86	0.23	0.08	0.06	0.03	0.07	
19	0.03	0.05	2.24	1.21	1.97	1.70	0.77	0.19	0.08	0.06	0.03	0.07	
20	0.02	0.08	1.21	0.86	1.88	2.06	0.77	0.19	0.08	0.06	0.04	0.07	
21	0.02	0.23	0.86	0.55	1.49	2.80	0.77	0.19	0.08	0.06	0.04	0.07	
22	0.01	0.37	0.69	0.37	1.14	6.37	0.69	0.14	0.08	0.06	0.04	0.06	
23	0.01	0.46	0.55	0.37	1.00	20.48	0.69	0.14	0.04	0.05	0.05	0.06	
24	0.01	0.28	0.46	.00	2.15	16.20	0.69	0.10	0.04	0.05	0.06	0.06	
25	0.01	0.19	0.46	.82	3.50	25.26	0.64	0.10	0.07	0.05	0.06	0.05	
26	0.01	0.10	0.41	.55	7.05	85.00	0.64	0.10	0.07	0.05	0.06	0.05	
27	0.04	0.09	0.46	.46	4.26	26.58	0.59	0.10	0.07	0.05	0.06	0.05	
28	0.08	0.08	0.73	0.37	3.40	12.36	0.59	0.10	0.08	0.05	0.06	0.04	
29	0.06	0.07	0.69	0.41	3.20	7.90	0.59	0.10	0.08	0.05	0.05	0.04	
30	0.05	0.06	0.86	0.73	1.79	5.75	0.55	0.10	0.07	0.04		0.03	
31		0.06		0.41	1.63		0.50		0.07	0.04		0.03	
TOTAL	0.51	2.75	29.84	22.55	78.17	265.97	40.44	8.46	2.47	1.89	1.16	1.41	455.62 CMSDAY
MEAN	0.02	0.09	0.99	0.73	2.52	8.87	1.30	0.28	0.08	0.06	0.04	0.05	1.24 CMS
MAX	0.08	0.46	3.50	1.70	9.52	85.00	4.37	0.50	0.10	0.08	0.06	0.07	85.00 CMS
MIN	0.00	0.02	0.05	0.28	0.41	1.49	0.50	0.10	0.04	0.04	0.03	0.03	0.00 CMS
RUNOFF	0.044	0.238	2.578	1.948	6.754	22.980	3.494	0.731	0.213	0.163	0.100	0.122	39.366 MCM

MOMENTARY PEAK 122.08 CMS, AT 3.84 M (A.D), AT 2.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 2.64 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 259.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

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

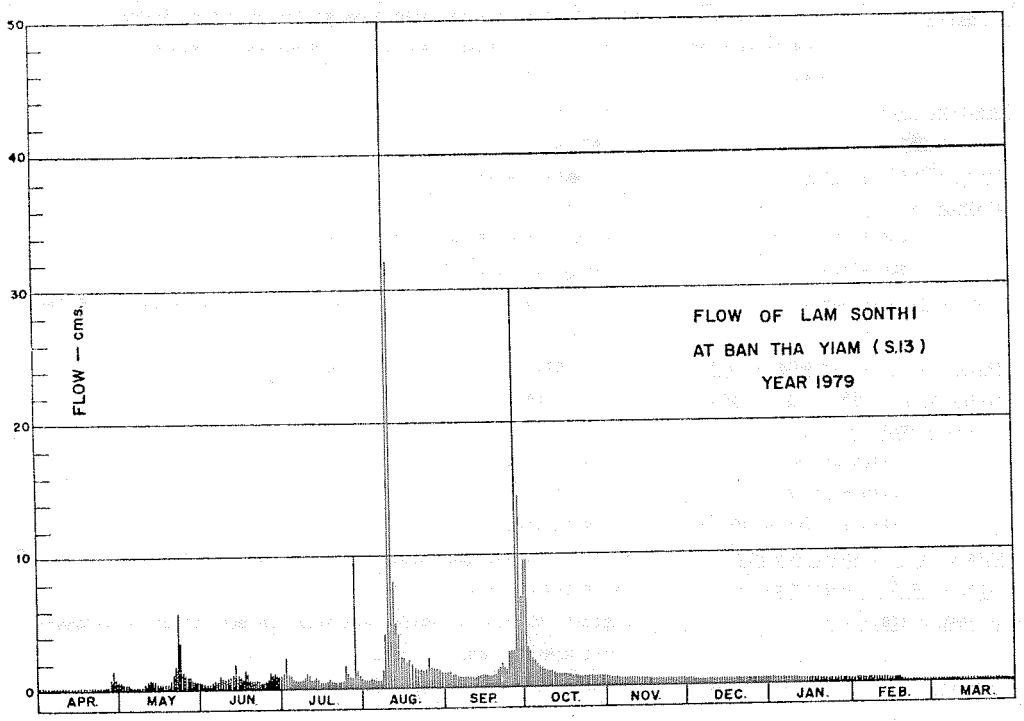
LOCATION	LAT. 15°-20'-21" N., LONG. 101°-22'-30" E., ON LEFT BANK AT BAN THA YIAM, AMPHOE CHAI BADAN, LOP BURI.
DRAINAGE AREA	359 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.=R.I.D.
LOCATION	ABOUT 15 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+8.697 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 141 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-26,1979 AND FEB 19-MAR 31,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.43	0.43	0.60	0.49	0.60	1.88	0.49	0.43	0.40	0.39	0.29	
2	0.30	0.42	0.42	0.83	0.49	0.60	0.96	0.49	0.43	0.40	0.39	0.29	
3	0.30	0.41	0.42	0.59	0.51	0.56	0.83	0.49	0.43	0.40	0.39	0.30	
4	0.30	0.41	0.41	0.54	0.48	0.55	0.78	0.48	0.42	0.40	0.39	0.30	
5	0.30	0.30	0.45	0.50	0.46	0.54	0.72	0.47	0.42	0.40	0.39	0.30	
6	0.29	0.30	0.43	0.49	0.46	0.54	0.68	0.47	0.42	0.40	0.39	0.30	
7	0.29	0.29	0.57	0.48	0.44	0.54	0.65	0.47	0.42	0.40	0.39	0.29	
8	0.29	0.29	0.56	0.48	0.67	0.54	0.63	0.47	0.42	0.40	0.39	0.29	
9	0.30	0.29	0.49	0.52	1.20	0.53	0.62	0.47	0.42	0.40	0.39	0.30	
10	0.30	0.41	0.51	0.60	6.65	0.53	0.60	0.46	0.41	0.40	0.39	0.30	
11	0.30	0.46	0.54	0.53	3.86	0.53	0.60	0.46	0.41	0.40	0.39	0.30	
12	0.29	0.48	0.53	0.49	1.65	0.54	0.58	0.46	0.41	0.39	0.39	0.29	
13	0.30	0.49	0.71	0.48	1.23	0.60	0.57	0.46	0.41	0.39	0.39	0.29	
14	0.30	0.45	0.58	0.49	0.98	0.55	0.56	0.46	0.41	0.39	0.39	0.30	
15	0.29	0.43	0.54	0.47	0.83	0.55	0.56	0.45	0.41	0.39	0.38	0.29	
16	0.29	0.42	0.49	0.44	0.80	0.55	0.55	0.45	0.41	0.39	0.38	0.30	
17	0.29	0.41	0.63	0.44	0.75	0.54	0.55	0.44	0.41	0.39	0.38	0.29	
18	0.30	0.41	0.53	0.46	0.76	0.53	0.54	0.44	0.41	0.39	0.38	0.29	
19	0.30	0.41	0.48	0.48	0.70	0.57	0.54	0.44	0.41	0.39	0.29	0.29	
20	0.30	0.49	0.48	0.46	0.66	0.67	0.53	0.44	0.41	0.39	0.29	0.29	
21	0.29	0.62	0.48	0.44	0.65	0.69	0.52	0.44	0.41	0.39	0.30	0.30	
22	0.29	0.86	0.45	0.44	0.64	0.70	0.52	0.44	0.41	0.39	0.30	0.30	
23	0.29	1.37	0.44	0.43	0.63	0.60	0.50	0.44	0.41	0.39	0.30	0.29	
24	0.30	0.64	0.44	0.43	0.64	0.90	0.50	0.44	0.41	0.39	0.30	0.29	
25	0.30	0.59	0.46	0.68	0.81	0.91	0.50	0.43	0.41	0.39	0.29	0.29	
26	0.30	0.54	0.64	0.56	0.67	0.91	0.50	0.43	0.40	0.39	0.29	0.30	
27	0.43	0.53	0.58	0.51	0.64	3.71	0.50	0.43	0.40	0.39	0.29	0.30	
28	0.66	0.49	0.58	1.91	0.67	2.72	0.54	0.43	0.40	0.39	0.29	0.30	
29	0.49	0.47	0.53	0.65	0.63	1.54	0.51	0.43	0.40	0.39	0.29	0.29	
30	0.47	0.45	0.57	0.55	0.60	1.88	0.51	0.43	0.40	0.39		0.29	
31		0.44		0.51	0.58		0.50		0.40	0.39		0.29	
MEAN	0.32	0.48	0.51	0.56	1.01	0.86	0.63	0.45	0.41	0.39	0.35	0.29	
MAX	0.66	1.37	0.71	1.91	6.65	3.71	1.88	0.49	0.43	0.40	0.39	0.30	6.65
MIN	0.29	0.29	0.41	0.43	0.44	0.53	0.50	0.43	0.40	0.39	0.29	0.29	0.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.26 M (A.D), AT 22.00 HOURS, ON AUG 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION 9.50 M (A.D)
RIGHT BANK ELEVATION 9.08 M (A.D), DRAINAGE AREA 359 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.52	0.52	1.20	0.76	1.20	9.64	0.76	0.52	0.40	0.36	0.00	
2	0.00	0.48	0.48	2.35	0.76	1.20	3.06	0.76	0.52	0.40	0.36	0.00	
3	0.00	0.44	0.48	1.16	0.84	1.04	2.35	0.76	0.52	0.40	0.36	0.00	
4	0.00	0.44	0.44	0.96	0.72	1.00	2.10	0.72	0.48	0.40	0.36	0.00	
5	0.00	0.00	0.60	0.80	0.64	0.96	1.80	0.68	0.48	0.40	0.36	0.00	
6	0.00	0.00	0.52	0.76	0.64	0.96	1.60	0.68	0.48	0.40	0.36	0.00	
7	0.00	0.00	1.08	0.72	0.56	0.96	1.45	0.68	0.48	0.40	0.36	0.00	
8	0.00	0.00	1.04	0.72	1.55	0.96	1.35	0.68	0.48	0.40	0.36	0.00	
9	0.00	0.00	0.76	0.88	4.50	0.92	1.30	0.68	0.48	0.40	0.36	0.00	
10	0.00	0.44	0.84	1.20	80.05	0.92	1.20	0.64	0.44	0.40	0.36	0.00	
11	0.00	0.64	0.96	0.92	32.24	0.92	1.20	0.64	0.44	0.40	0.36	0.00	
12	0.00	0.72	0.92	0.76	7.80	0.96	1.12	0.64	0.44	0.36	0.36	0.00	
13	0.00	0.76	1.75	0.72	4.71	1.20	1.08	0.64	0.44	0.36	0.36	0.00	
14	0.00	0.60	1.12	0.76	3.18	1.00	1.04	0.64	0.44	0.36	0.36	0.00	
15	0.00	0.52	0.96	0.68	2.35	1.00	1.04	0.60	0.44	0.36	0.32	0.00	
16	0.00	0.48	0.76	0.56	2.20	1.00	1.00	0.60	0.44	0.36	0.32	0.00	
17	0.00	0.44	1.35	0.56	1.95	0.96	1.00	0.56	0.44	0.36	0.32	0.00	
18	0.00	0.44	0.92	0.64	2.00	0.92	0.96	0.56	0.44	0.36	0.32	0.00	
19	0.00	0.44	0.72	0.72	1.70	1.08	0.96	0.56	0.44	0.36	0.00	0.00	
20	0.00	0.76	0.72	0.64	1.50	1.55	0.92	0.56	0.44	0.36	0.00	0.00	
21	0.00	1.30	0.72	0.56	1.45	1.65	0.88	0.56	0.44	0.36	0.00	0.00	
22	0.00	2.50	0.60	0.56	1.40	1.70	0.88	0.56	0.44	0.36	0.00	0.00	
23	0.00	5.69	0.56	0.52	1.35	1.20	0.80	0.56	0.44	0.36	0.00	0.00	
24	0.00	1.40	0.56	0.52	1.40	2.70	0.80	0.56	0.44	0.36	0.00	0.00	
25	0.00	1.16	0.64	1.60	2.25	2.76	0.80	0.52	0.44	0.36	0.00	0.00	
26	0.00	0.96	1.40	1.04	1.55	2.76	0.80	0.52	0.40	0.36	0.00	0.00	
27	0.52	0.92	1.12	0.84	1.40	30.14	0.80	0.52	0.40	0.36	0.00	0.00	
28	1.50	0.76	1.12	9.89	1.55	17.92	0.96	0.52	0.40	0.36	0.00	0.00	
29	0.76	0.68	0.92	1.45	1.35	6.92	0.84	0.52	0.40	0.36	0.00	0.00	
30	0.68	0.60	1.08	1.00	1.20	9.64	0.84	0.52	0.40	0.36		0.00	
31		0.56		0.84	1.12		0.80		0.40	0.36		0.00	
TOTAL	3.46	24.65	25.66	36.53	166.67	98.10	45.37	18.40	13.88	11.60	6.32	0.00	450.64 CMSDAY
MEAN	0.12	0.80	0.86	1.18	5.38	3.27	1.46	0.61	0.45	0.37	0.22	0.00	1.23 CMS
MAX	1.50	5.69	1.75	9.89	80.05	30.14	9.64	0.76	0.52	0.40	0.36	0.00	80.05 CMS
MIN	0.00	0.00	0.44	0.52	0.56	0.92	0.80	0.52	0.40	0.36	0.00	0.00	0.00 CMS
RUNOFF	0.299	2.130	2.217	3.156	14.400	8.476	3.920	1.590	1.199	1.002	0.546	0.000	38.935 MCM

MOMENTARY PEAK 93.08 CMS, AT 7.26 M (A.D), AT 22.00 HOURS, ON AUG 10, 1979

RUNOFF YIELD 3.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 259.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

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

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

DRAINAGE AREA — 15 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

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

ELEVATION — +4.894 M. (A.D.)

GAGE READING FREQUENCY — 3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3-5 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING FEB 1-29,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

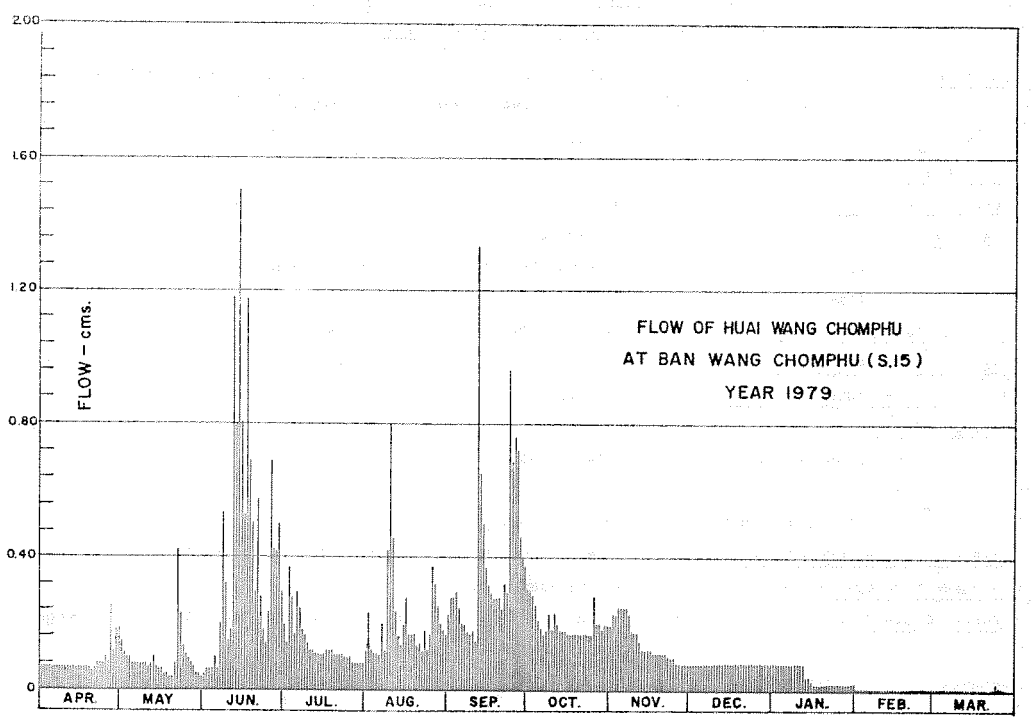
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.18	0.11	0.21	0.16	0.22	0.25	0.21	0.13	0.13	0.05	0.04	
2	0.12	0.15	0.12	0.18	0.22	0.24	0.25	0.22	0.13	0.13	0.05	0.04	
3	0.12	0.14	0.12	0.28	0.16	0.24	0.24	0.22	0.13	0.13	0.05	0.04	
4	0.12	0.14	0.12	0.24	0.15	0.25	0.23	0.23	0.13	0.13	0.05	0.03	
5	0.12	0.13	0.14	0.19	0.15	0.23	0.22	0.23	0.13	0.13	0.05	0.03	
6	0.12	0.13	0.12	0.25	0.15	0.21	0.20	0.23	0.13	0.13	0.05	0.03	
7	0.12	0.13	0.22	0.23	0.21	0.21	0.19	0.23	0.13	0.13	0.05	0.03	
8	0.12	0.13	0.33	0.20	0.16	0.20	0.20	0.22	0.13	0.13	0.04	0.03	
9	0.12	0.13	0.29	0.19	0.30	0.19	0.22	0.20	0.13	0.13	0.04	0.03	
10	0.12	0.13	0.18	0.17	0.40	0.20	0.20	0.19	0.13	0.13	0.04	0.03	
11	0.12	0.12	0.20	0.16	0.31	0.18	0.22	0.19	0.13	0.13	0.04	0.03	
12	0.12	0.13	0.47	0.16	0.22	0.50	0.21	0.17	0.13	0.13	0.04	0.03	
13	0.12	0.14	0.40	0.15	0.19	0.36	0.20	0.16	0.13	0.10	0.04	0.03	
14	0.12	0.12	0.52	0.15	0.17	0.32	0.20	0.16	0.13	0.10	0.04	0.03	
15	0.12	0.12	0.40	0.15	0.21	0.28	0.20	0.16	0.13	0.09	0.04	0.03	
16	0.12	0.12	0.33	0.15	0.24	0.26	0.19	0.16	0.13	0.08	0.04	0.02	
17	0.12	0.11	0.47	0.16	0.19	0.25	0.19	0.15	0.13	0.08	0.04	0.04	
18	0.12	0.11	0.37	0.16	0.19	0.24	0.19	0.15	0.13	0.08	0.04	0.03	
19	0.12	0.10	0.32	0.16	0.19	0.24	0.19	0.15	0.13	0.08	0.04	0.03	
20	0.11	0.10	0.25	0.15	0.17	0.24	0.19	0.15	0.13	0.08	0.03	0.03	
21	0.12	0.13	0.34	0.15	0.17	0.23	0.19	0.15	0.13	0.08	0.03	0.03	
22	0.13	0.30	0.24	0.15	0.16	0.26	0.19	0.15	0.13	0.07	0.03	0.03	
23	0.13	0.22	0.20	0.15	0.20	0.25	0.19	0.14	0.13	0.07	0.03	0.03	
24	0.13	0.17	0.18	0.14	0.16	0.43	0.19	0.14	0.13	0.07	0.03	0.08	
25	0.14	0.15	0.22	0.14	0.19	0.37	0.19	0.14	0.13	0.07	0.03	0.06	
26	0.13	0.14	0.37	0.14	0.28	0.39	0.24	0.13	0.13	0.07	0.03	0.06	
27	0.23	0.13	0.30	0.13	0.24	0.38	0.21	0.13	0.13	0.07	0.04	0.05	
28	0.16	0.12	0.30	0.13	0.23	0.31	0.21	0.13	0.13	0.07	0.04	0.04	
29	0.20	0.11	0.32	0.13	0.21	0.29	0.20	0.13	0.13	0.07	0.04	0.04	
30	0.21	0.11	0.25	0.13	0.20	0.28	0.21	0.13	0.13	0.07		0.04	
31		0.10		0.13	0.19		0.21		0.13	0.07		0.05	
MEAN	0.13	0.14	0.27	0.17	0.21	0.27	0.21	0.17	0.13	0.10	0.04	0.04	
MAX	0.23	0.30	0.52	0.28	0.40	0.50	0.25	0.23	0.13	0.13	0.05	0.08	0.52
MIN	0.11	0.10	0.11	0.13	0.15	0.18	0.19	0.13	0.13	0.07	0.03	0.02	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT — 1.10 M (A.D), AT 15.00 HOURS, ON SEP 12, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.10 M (A.D)

LEFT BANK ELEVATION — 4.65 M (A.D)

RIGHT BANK ELEVATION — 4.75 M (A.D), DRAINAGE AREA 15 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.15	0.05	0.20	0.12	0.23	0.30	0.20	0.08	0.08	0.00	0.00	
2	0.07	0.11	0.07	0.15	0.23	0.28	0.30	0.23	0.08	0.08	0.00	0.00	
3	0.07	0.10	0.07	0.37	0.12	0.29	0.28	0.23	0.08	0.09	0.00	0.00	
4	0.07	0.10	0.07	0.28	0.11	0.30	0.25	0.25	0.08	0.08	0.00	0.00	
5	0.07	0.08	0.10	0.17	0.11	0.25	0.23	0.25	0.08	0.08	0.00	0.00	
6	0.07	0.08	0.07	0.30	0.11	0.20	0.18	0.25	0.08	0.08	0.00	0.00	
7	0.07	0.08	0.23	0.25	0.20	0.20	0.17	0.25	0.08	0.08	0.00	0.00	
8	0.07	0.08	0.53	0.18	0.12	0.18	0.18	0.23	0.08	0.08	0.00	0.00	
9	0.07	0.08	0.40	0.17	0.42	0.17	0.23	0.18	0.08	0.08	0.00	0.00	
10	0.07	0.08	0.15	0.14	0.80	0.18	0.18	0.17	0.08	0.08	0.00	0.00	
11	0.07	0.07	0.18	0.12	0.46	0.15	0.23	0.17	0.08	0.08	0.00	0.00	
12	0.07	0.08	1.17	0.12	0.23	1.33	0.20	0.14	0.08	0.08	0.00	0.00	
13	0.07	0.10	0.80	0.11	0.17	0.65	0.18	0.12	0.08	0.04	0.00	0.00	
14	0.07	0.07	1.50	0.11	0.14	0.50	0.18	0.12	0.08	0.04	0.00	0.00	
15	0.07	0.07	0.80	0.11	0.20	0.37	0.18	0.12	0.08	0.03	0.00	0.00	
16	0.07	0.07	0.53	0.11	0.28	0.32	0.17	0.12	0.08	0.02	0.00	0.00	
17	0.07	0.05	1.17	0.12	0.17	0.30	0.17	0.11	0.08	0.02	0.00	0.00	
18	0.07	0.05	0.69	0.12	0.17	0.28	0.17	0.11	0.08	0.02	0.00	0.00	
19	0.07	0.04	0.50	0.12	0.17	0.28	0.17	0.11	0.08	0.02	0.00	0.00	
20	0.05	0.04	0.30	0.11	0.14	0.28	0.17	0.11	0.08	0.02	0.00	0.00	
21	0.07	0.08	0.57	0.11	0.14	0.25	0.17	0.11	0.08	0.02	0.00	0.00	
22	0.08	0.42	0.28	0.11	0.12	0.32	0.17	0.11	0.08	0.02	0.00	0.00	
23	0.08	0.23	0.18	0.11	0.18	0.30	0.17	0.10	0.08	0.02	0.00	0.00	
24	0.08	0.14	0.15	0.10	0.12	0.95	0.17	0.10	0.08	0.02	0.00	0.02	
25	0.10	0.11	0.23	0.10	0.17	0.69	0.17	0.10	0.08	0.02	0.00	0.01	
26	0.08	0.10	0.69	0.10	0.37	0.76	0.28	0.08	0.08	0.02	0.00	0.01	
27	0.25	0.08	0.42	0.08	0.28	0.72	0.20	0.08	0.08	0.02	0.00	0.00	
28	0.12	0.07	0.42	0.08	0.25	0.46	0.20	0.08	0.08	0.02	0.00	0.00	
29	0.18	0.05	0.50	0.08	0.20	0.40	0.18	0.08	0.08	0.02	0.00	0.00	
30	0.20	0.05	0.30	0.08	0.18	0.37	0.20	0.08	0.08	0.02		0.00	
31		0.04		0.08	0.17		0.20		0.08	0.02		0.00	
TOTAL	2.62	2.95	13.12	4.39	6.65	11.96	6.23	4.39	2.48	1.39	0.00	0.04	56.22 CMSDAY
MEAN	0.09	0.10	0.44	0.14	0.21	0.40	0.20	0.15	0.08	0.04	0.00	0.00	0.15 CMS
MAX	0.25	0.42	1.50	0.37	0.80	1.33	0.30	0.25	0.08	0.08	0.00	0.02	1.50 CMS
MIN	0.05	0.04	0.05	0.08	0.11	0.15	0.17	0.08	0.08	0.02	0.00	0.00	0.00 CMS
RUNOFF	10.226	0.255	1.134	0.379	0.575	1.033	0.538	0.379	0.214	0.120	0.000	0.003	4.857 MCM

MOMENTARY PEAK 7.30 CMS, AT 1.10 M (A.D), AT 15.00 HOURS, ON SEP 12, 1979

RUNOFF YIELD 10.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 486.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

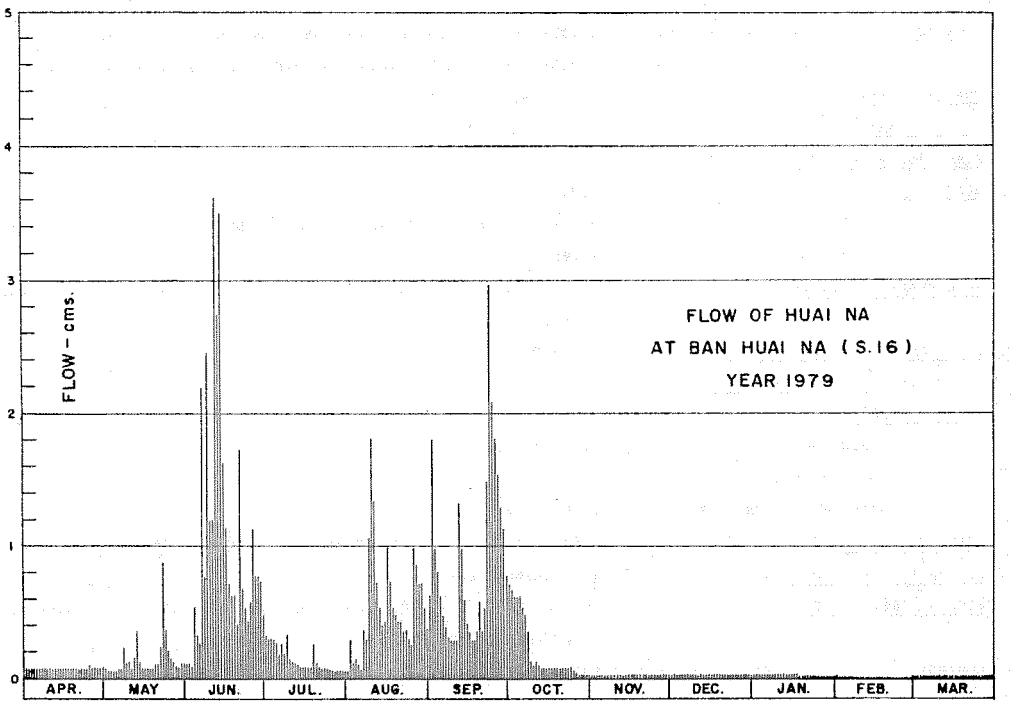
HUAI NA AT BAN HUAI NA, PHETCHABUN (S.16)

LOCATION	LAT. 16°-16'-00" N., LONG. 101°-03'-32" E., ON RIGHT BANK ABOUT 30 METERS DOWNSTREAM FROM THE BRIDGE AT BAN HUAI NA, AMPHOE MUANG, PHETCHABUN.
DRAINAGE AREA	65 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-M.S.
LOCATION	ON RIGHT BANK AT THE FOOT OF THE BRIDGE.
ELEVATION	+8.339 M. (A.D.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.
REMARKS	ESTIMATED GAGE HEIGHT FOR NO FLOW DURING FEB 1-29,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.14	0.16	0.26	0.12	0.34	0.36	0.10	0.10	0.10	0.05	0.09	
2	0.13	0.12	0.16	0.25	0.25	0.52	0.35	0.10	0.10	0.10	0.05	0.09	
3	0.13	0.12	0.15	0.25	0.17	0.41	0.34	0.10	0.10	0.10	0.05	0.09	
4	0.13	0.12	0.32	0.25	0.19	0.38	0.34	0.10	0.10	0.10	0.05	0.09	
5	0.13	0.12	0.26	0.24	0.16	0.34	0.34	0.10	0.10	0.10	0.05	0.09	
6	0.13	0.13	0.24	0.21	0.14	0.31	0.32	0.10	0.10	0.10	0.05	0.09	
7	0.13	0.13	0.56	0.24	0.28	0.28	0.31	0.10	0.10	0.10	0.05	0.09	
8	0.13	0.23	0.37	0.21	0.25	0.26	0.27	0.10	0.10	0.10	0.05	0.09	
9	0.13	0.17	0.59	0.26	0.42	0.25	0.18	0.10	0.10	0.10	0.05	0.09	
10	0.13	0.18	0.44	0.20	0.52	0.25	0.16	0.10	0.10	0.10	0.04	0.09	
11	0.13	0.13	0.44	0.18	0.46	0.25	0.18	0.10	0.10	0.10	0.04	0.09	
12	0.13	0.20	0.70	0.17	0.36	0.43	0.16	0.10	0.10	0.10	0.04	0.09	
13	0.13	0.26	0.62	0.16	0.32	0.41	0.16	0.10	0.10	0.10	0.04	0.09	
14	0.13	0.17	0.69	0.15	0.29	0.35	0.16	0.10	0.10	0.10	0.04	0.09	
15	0.13	0.13	0.50	0.15	0.30	0.30	0.15	0.10	0.10	0.10	0.04	0.09	
16	0.13	0.13	0.43	0.15	0.41	0.27	0.15	0.10	0.10	0.10	0.04	0.09	
17	0.13	0.13	0.36	0.15	0.36	0.25	0.15	0.10	0.10	0.10	0.04	0.09	
18	0.13	0.13	0.34	0.15	0.32	0.25	0.15	0.10	0.10	0.09	0.04	0.09	
19	0.13	0.13	0.34	0.24	0.31	0.27	0.15	0.10	0.10	0.09	0.04	0.09	
20	0.13	0.16	0.29	0.18	0.30	0.33	0.15	0.10	0.10	0.09	0.04	0.09	
21	0.13	0.16	0.51	0.15	0.30	0.27	0.15	0.10	0.10	0.09	0.04	0.09	
22	0.13	0.23	0.35	0.14	0.27	0.32	0.15	0.10	0.10	0.09	0.04	0.09	
23	0.13	0.39	0.32	0.14	0.28	0.48	0.15	0.10	0.10	0.09	0.04	0.09	
24	0.13	0.27	0.30	0.14	0.25	0.64	0.15	0.10	0.10	0.09	0.05	0.09	
25	0.16	0.22	0.33	0.13	0.24	0.55	0.12	0.10	0.10	0.09	0.05	0.09	
26	0.14	0.19	0.43	0.12	0.41	0.52	0.11	0.10	0.10	0.09	0.05	0.09	
27	0.14	0.17	0.37	0.12	0.39	0.48	0.10	0.10	0.10	0.09	0.05	0.09	
28	0.14	0.15	0.37	0.12	0.36	0.45	0.10	0.10	0.10	0.09	0.05	0.09	
29	0.14	0.14	0.36	0.12	0.36	0.43	0.10	0.10	0.10	0.09	0.05	0.09	
30	0.15	0.17	0.31	0.12	0.32	0.37	0.10	0.10	0.10	0.09		0.09	
31		0.17		0.12	0.29		0.10		0.10	0.09		0.09	
MEAN	0.13	0.17	0.39	0.18	0.30	0.37	0.19	0.10	0.10	0.10	0.05	0.09	
MAX	0.16	0.39	0.70	0.26	0.52	0.64	0.36	0.10	0.10	0.10	0.05	0.09	0.70
MIN	0.13	0.12	0.15	0.12	0.12	0.25	0.10	0.10	0.10	0.09	0.04	0.09	0.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.89 M (A.D), AT 18.00 HOURS, ON SEP 23, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.04 M (A.D)
LEFT BANK ELEVATION 7.06 M (A.D)
RIGHT BANK ELEVATION 8.34 M (A.D), DRAINAGE AREA 65 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.08	0.11	0.33	0.06	0.63	0.73	0.03	0.03	0.03	0.00	0.02	
2	0.07	0.06	0.11	0.30	0.30	1.81	0.68	0.03	0.03	0.03	0.00	0.02	
3	0.07	0.06	0.09	0.30	0.12	0.99	0.63	0.03	0.03	0.03	0.00	0.02	
4	0.07	0.06	0.54	0.30	0.15	0.82	0.63	0.03	0.03	0.03	0.00	0.02	
5	0.07	0.06	0.33	0.27	0.11	0.63	0.63	0.03	0.03	0.03	0.00	0.02	
6	0.07	0.07	0.27	0.19	0.08	0.49	0.54	0.03	0.03	0.03	0.00	0.02	
7	0.07	0.07	2.18	0.27	0.38	0.36	0.49	0.03	0.03	0.03	0.00	0.02	
8	0.07	0.24	0.78	0.19	0.30	0.33	0.36	0.03	0.03	0.03	0.00	0.02	
9	0.07	0.12	2.45	0.33	1.06	0.30	0.13	0.03	0.03	0.03	0.00	0.02	
10	0.07	0.13	1.20	0.16	1.81	0.30	0.11	0.03	0.03	0.03	0.00	0.02	
11	0.07	0.07	1.20	0.13	1.35	0.30	0.13	0.03	0.03	0.03	0.00	0.02	
12	0.07	0.16	3.60	0.12	0.73	1.13	0.11	0.03	0.03	0.03	0.00	0.02	
13	0.07	0.33	2.75	0.11	0.54	0.99	0.11	0.03	0.03	0.03	0.00	0.02	
14	0.07	0.12	3.49	0.09	0.41	0.68	0.11	0.03	0.03	0.03	0.00	0.02	
15	0.07	0.07	1.63	0.09	0.44	0.44	0.09	0.03	0.03	0.03	0.00	0.02	
16	0.07	0.07	1.13	0.09	0.99	0.36	0.09	0.03	0.03	0.03	0.00	0.02	
17	0.07	0.07	0.73	0.09	0.73	0.30	0.09	0.03	0.03	0.03	0.00	0.02	
18	0.07	0.07	0.63	0.09	0.54	0.30	0.09	0.03	0.03	0.02	0.00	0.02	
19	0.07	0.07	0.63	0.27	0.49	0.36	0.09	0.03	0.03	0.02	0.00	0.02	
20	0.07	0.11	0.41	0.13	0.44	0.58	0.09	0.03	0.03	0.02	0.00	0.02	
21	0.07	0.11	1.72	0.09	0.44	0.36	0.09	0.03	0.03	0.02	0.00	0.02	
22	0.07	0.24	0.68	0.08	0.36	0.54	0.09	0.03	0.03	0.02	0.00	0.02	
23	0.07	0.87	0.54	0.08	0.38	1.49	0.09	0.03	0.03	0.02	0.00	0.02	
24	0.07	0.36	0.44	0.08	0.30	2.96	0.09	0.03	0.03	0.02	0.00	0.02	
25	0.11	0.22	0.58	0.07	0.27	2.08	0.06	0.03	0.03	0.02	0.00	0.02	
26	0.08	0.15	1.13	0.06	0.99	1.81	0.04	0.03	0.03	0.02	0.00	0.02	
27	0.08	0.12	0.78	0.06	0.87	1.49	0.03	0.03	0.03	0.02	0.00	0.02	
28	0.08	0.09	0.78	0.06	0.73	1.27	0.03	0.03	0.03	0.02	0.00	0.02	
29	0.08	0.08	0.73	0.06	0.73	1.13	0.03	0.03	0.03	0.02	0.00	0.02	
30	0.09	0.12	0.49	0.06	0.54	0.78	0.03	0.03	0.03	0.02		0.02	
31		0.12		0.06	0.41		0.03		0.03	0.02		0.02	
TOTAL	2.20	4.57	32.13	4.61	17.05	26.03	6.54	0.90	0.93	0.79	0.00	0.62	96.37 CMSDAY
MEAN	0.07	0.15	1.07	0.15	0.55	0.87	0.21	0.03	0.03	0.03	0.00	0.02	0.26 CMS
MAX	0.11	0.87	3.60	0.33	1.81	2.96	0.73	0.03	0.03	0.03	0.00	0.02	3.60 CMS
MIN	0.07	0.06	0.09	0.06	0.06	0.30	0.03	0.03	0.03	0.02	0.00	0.02	0.00 CMS
RUNOFF	0.190	0.395	2.776	0.398	1.473	2.249	0.565	0.078	0.080	0.068	0.000	0.054	8.326 MCM

MOMENTARY PEAK 6.34 CMS, AT 0.89 M (A.D), AT 18.00 HOURS, ON SEP 23, 1979
RUNOFF YIELD 4.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 97.62 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PA SAK RIVER BASIN

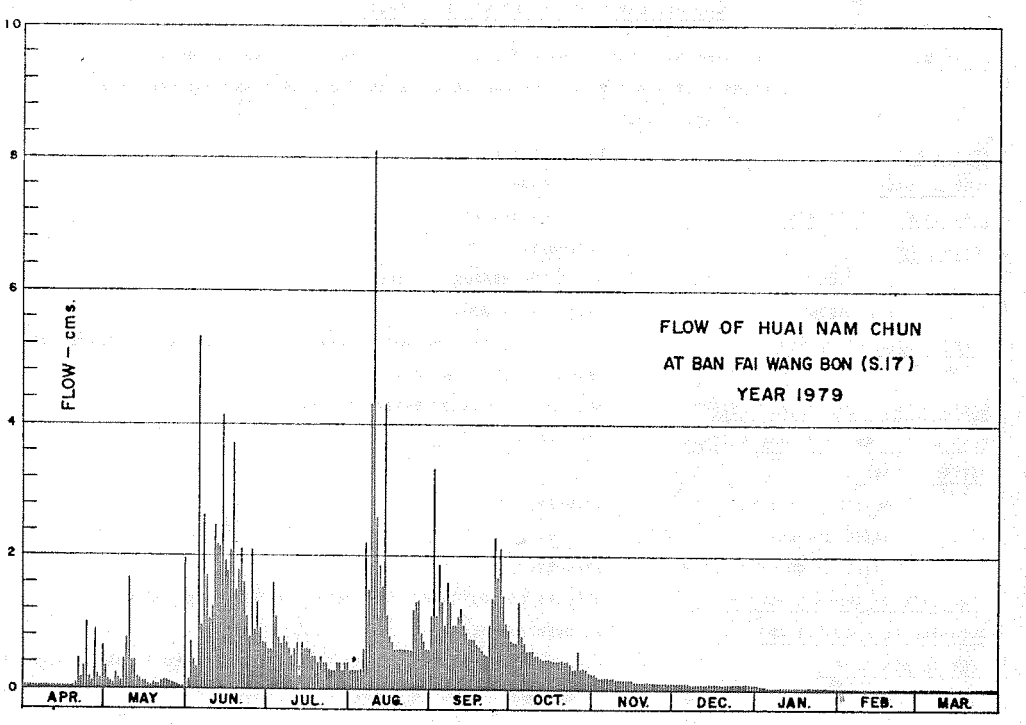
HUAI NAM CHUN AT BAN FAI WANG BON, PHETCHABUN (S.17)

LOCATION	LAT. 16°-45'-43" N., LONG. 101°-08'-44" E., ON LEFT BANK NEAR THE ABUTMENT OF THE BRIDGE OF PHITSANULOK-LOMSAK ROAD, BAN FAI WANG BON, AMPHOE LOM SAK, PHETCHABUN.
DRAINAGE AREA	67 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+5.982 M. (A.D.)
GAGE READING FREQUENCY	3-5 TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3-5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1979.
REMARKS	ESTIMATED GAGE HEIGHT FOR NO FLOW DURING FEB 1-29,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.13	0.03	0.18	0.13	0.23	0.20	0.11	0.07	0.04	0.02	0.02	
2	0.04	0.08	0.19	0.17	0.12	0.40	0.19	0.10	0.07	0.04	0.02	0.02	
3	0.04	0.07	0.14	0.28	0.12	0.23	0.19	0.10	0.07	0.04	0.02	0.02	
4	0.04	0.06	0.13	0.23	0.12	0.30	0.25	0.10	0.07	0.04	0.02	0.02	
5	0.04	0.11	0.50	0.21	0.12	0.25	0.20	0.10	0.07	0.03	0.02	0.02	
6	0.04	0.08	0.22	0.20	0.17	0.22	0.19	0.10	0.07	0.03	0.02	0.02	
7	0.04	0.07	0.35	0.21	0.32	0.28	0.17	0.10	0.06	0.03	0.02	0.02	
8	0.04	0.15	0.29	0.19	0.27	0.25	0.17	0.10	0.06	0.03	0.02	0.02	
9	0.04	0.20	0.23	0.17	0.45	0.22	0.17	0.09	0.06	0.03	0.02	0.02	
10	0.04	0.28	0.24	0.16	0.62	0.22	0.16	0.09	0.06	0.03	0.02	0.02	
11	0.04	0.14	0.34	0.17	0.35	0.23	0.16	0.09	0.06	0.03	0.02	0.02	
12	0.04	0.14	0.32	0.19	0.30	0.24	0.15	0.09	0.06	0.03	0.02	0.02	
13	0.04	0.09	0.32	0.16	0.27	0.22	0.15	0.09	0.06	0.03	0.02	0.02	
14	0.04	0.08	0.44	0.20	0.45	0.21	0.15	0.09	0.06	0.03	0.02	0.02	
15	0.04	0.07	0.30	0.17	0.23	0.20	0.15	0.09	0.06	0.03	0.02	0.02	
16	0.04	0.07	0.29	0.17	0.21	0.20	0.14	0.08	0.06	0.03	0.02	0.09	
17	0.04	0.05	0.32	0.17	0.20	0.20	0.14	0.08	0.06	0.03	0.02	0.09	
18	0.04	0.04	0.42	0.16	0.18	0.19	0.14	0.08	0.06	0.03	0.02	0.07	
19	0.04	0.06	0.27	0.15	0.18	0.18	0.14	0.08	0.06	0.03	0.02	0.05	
20	0.04	0.05	0.30	0.14	0.18	0.17	0.14	0.08	0.06	0.03	0.02	0.05	
21	0.15	0.05	0.32	0.15	0.18	0.16	0.14	0.08	0.06	0.03	0.02	0.04	
22	0.09	0.08	0.28	0.14	0.17	0.16	0.14	0.08	0.06	0.03	0.02	0.06	
23	0.13	0.08	0.23	0.14	0.17	0.22	0.13	0.08	0.06	0.03	0.02	0.05	
24	0.22	0.07	0.21	0.13	0.18	0.26	0.12	0.08	0.06	0.03	0.02	0.05	
25	0.10	0.07	0.32	0.13	0.23	0.33	0.12	0.08	0.06	0.03	0.02	0.05	
26	0.08	0.06	0.22	0.13	0.25	0.29	0.17	0.08	0.06	0.03	0.02	0.05	
27	0.21	0.05	0.25	0.14	0.25	0.32	0.13	0.08	0.06	0.02	0.02	0.05	
28	0.11	0.04	0.22	0.14	0.21	0.26	0.12	0.07	0.06	0.02	0.02	0.05	
29	0.09	0.04	0.20	0.13	0.19	0.22	0.12	0.07	0.06	0.02	0.02	0.05	
30	0.18	0.03	0.19	0.14	0.18	0.21	0.11	0.07	0.05	0.02		0.12	
31		0.30		0.14	0.17		0.11		0.04	0.02		0.06	
MEAN	0.07	0.09	0.27	0.17	0.23	0.24	0.15	0.09	0.06	0.03	0.02	0.04	
MAX	0.22	0.30	0.50	0.28	0.62	0.40	0.25	0.11	0.07	0.04	0.02	0.12	0.62
MIN	0.04	0.03	0.03	0.13	0.12	0.16	0.11	0.07	0.04	0.02	0.02	0.02	0.02

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.10 M (A.D), AT 15.00 HOURS, ON JUN 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.13 M (A.D)
LEFT BANK ELEVATION 9.13 M (A.D)
RIGHT BANK ELEVATION 7.61 M (A.D), DRAINAGE AREA 67 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.35	0.02	0.64	0.35	1.10	0.76	0.24	0.11	0.04	0.00	0.00	
2	0.04	0.13	0.70	0.59	0.30	3.34	0.70	0.18	0.11	0.04	0.00	0.00	
3	0.04	0.11	0.41	1.66	0.30	1.10	0.70	0.18	0.11	0.04	0.00	0.00	
4	0.04	0.09	0.35	1.10	0.30	1.88	1.32	0.18	0.11	0.04	0.00	0.00	
5	0.04	0.24	5.30	0.87	0.30	1.32	0.76	0.18	0.11	0.02	0.00	0.00	
6	0.04	0.13	0.98	0.76	0.59	0.98	0.70	0.18	0.11	0.02	0.00	0.00	
7	0.04	0.11	2.61	0.87	2.17	1.66	0.59	0.18	0.09	0.02	0.00	0.00	
8	0.04	0.47	1.77	0.70	1.54	1.32	0.59	0.18	0.09	0.02	0.00	0.00	
9	0.04	0.76	1.10	0.59	4.32	0.98	0.59	0.16	0.09	0.02	0.00	0.00	
10	0.04	1.66	1.21	0.53	8.09	0.98	0.53	0.16	0.09	0.02	0.00	0.00	
11	0.04	0.41	2.46	0.59	2.61	1.10	0.53	0.16	0.09	0.02	0.00	0.00	
12	0.04	0.41	2.17	0.70	1.88	1.21	0.47	0.16	0.09	0.02	0.00	0.00	
13	0.04	0.16	2.17	0.53	1.54	0.98	0.47	0.16	0.09	0.02	0.00	0.00	
14	0.04	0.13	4.12	0.76	4.32	0.87	0.47	0.16	0.09	0.02	0.00	0.00	
15	0.04	0.11	1.88	0.59	1.10	0.76	0.47	0.16	0.09	0.02	0.00	0.09	
16	0.04	0.11	1.77	0.59	0.87	0.76	0.41	0.13	0.09	0.02	0.00	0.16	
17	0.04	0.07	2.17	0.59	0.76	0.76	0.41	0.13	0.09	0.02	0.00	0.16	
18	0.04	0.04	3.73	0.53	0.64	0.70	0.41	0.13	0.09	0.02	0.00	0.11	
19	0.04	0.09	1.54	0.47	0.64	0.64	0.41	0.13	0.09	0.02	0.00	0.07	
20	0.04	0.07	1.88	0.41	0.64	0.59	0.41	0.13	0.09	0.02	0.00	0.07	
21	0.47	0.07	2.17	0.47	0.64	0.53	0.41	0.13	0.09	0.02	0.00	0.04	
22	0.16	0.13	1.66	0.41	0.59	0.53	0.41	0.13	0.09	0.02	0.00	0.09	
23	0.35	0.13	1.10	0.41	0.59	0.98	0.35	0.13	0.09	0.02	0.00	0.07	
24	0.98	0.11	0.87	0.35	0.64	1.43	0.30	0.13	0.09	0.02	0.00	0.07	
25	0.18	0.11	2.17	0.35	1.10	2.32	0.30	0.13	0.09	0.02	0.00	0.07	
26	0.13	0.09	0.98	0.35	1.32	1.77	0.59	0.13	0.09	0.02	0.00	0.07	
27	0.87	0.07	1.32	0.41	1.32	2.17	0.35	0.13	0.09	0.00	0.00	0.07	
28	0.24	0.04	0.98	0.41	0.87	1.43	0.30	0.11	0.09	0.00	0.00	0.07	
29	0.16	0.04	0.76	0.35	0.70	0.98	0.30	0.11	0.09	0.00	0.00	0.07	
30	0.64	0.02	0.70	0.41	0.64	0.87	0.24	0.11	0.07	0.00		0.30	
31		1.88		0.41	0.59		0.24		0.04	0.00		0.09	
TOTAL	4.98	8.34	51.05	18.40	42.26	36.04	15.49	4.51	2.84	0.60	0.00	1.67	186.18 CMSDAY
MEAN	0.17	0.27	1.70	0.59	1.36	1.20	0.50	0.15	0.09	0.02	0.00	0.05	0.51 CMS
MAX	0.98	1.88	5.30	1.66	8.09	3.34	1.32	0.24	0.11	0.04	0.00	0.30	8.09 CMS
MIN	0.04	0.02	0.02	0.35	0.30	0.53	0.24	0.11	0.04	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.430	0.721	4.411	1.590	3.651	3.114	1.338	0.390	0.245	0.052	0.000	0.144	16.086 MCM

MOMENTARY PEAK 25.00 CMS, AT 1.10 M (A.D), AT 15.00 HOURS, ON JUN 5, 1979

RUNOFF YIELD 7.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 373.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SALAWIN RIVER BASIN

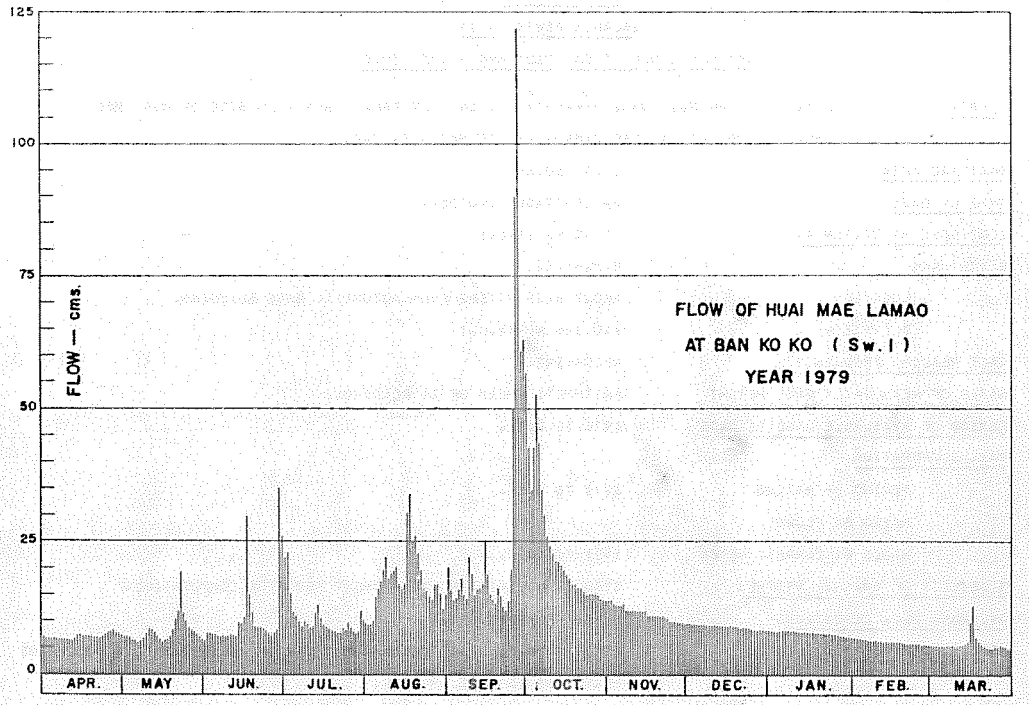
HUAI MAE LAMAO AT BAN KO KO, TAK (SW.1)

LOCATION	LAT. 16°54'56" N., LONG. 98°37'57" E., ON RIGHT BANK AT BAN KO KO ABOUT 14 KILOMETERS SOUTH-EAST OF AMPHOE MAE RAMAT BETWEEN DOI KALA AND DOI MAE PHASA, AMPHOE MAE SOT, TAK.
DRAINAGE AREA	1,426 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+5.597 M. (A.D.)
GAGE READING FREQUENCY	5-7 TIME DAILY READINGS AT 03.00, 06.00, 09.00, 12.00, 15.00, 18.00 AND 21.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5-7 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966-1969
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1969
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 150 DISCHARGE MEASUREMENTS MADE IN 1968.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.44	0.45	0.43	0.99	0.55	0.93	1.66	0.71	0.55	0.51	0.44	0.38	
2	0.44	0.45	0.49	1.02	0.55	0.78	1.44	0.70	0.55	0.51	0.44	0.38	
3	0.44	0.45	0.48	0.78	0.56	0.71	1.33	0.69	0.55	0.50	0.44	0.38	
4	0.44	0.43	0.47	0.64	0.72	0.73	1.77	0.68	0.55	0.50	0.43	0.38	
5	0.44	0.42	0.45	0.60	0.78	0.79	1.67	0.68	0.55	0.50	0.43	0.38	
6	0.43	0.40	0.45	0.58	0.83	0.86	1.35	0.67	0.55	0.50	0.43	0.38	
7	0.43	0.41	0.44	0.55	0.90	0.77	1.23	0.66	0.54	0.50	0.43	0.38	
8	0.43	0.42	0.45	0.53	1.00	0.70	1.14	0.65	0.54	0.50	0.42	0.37	
9	0.43	0.45	0.45	0.58	0.87	0.99	1.08	0.65	0.54	0.50	0.42	0.37	
10	0.43	0.50	0.45	0.55	0.85	0.81	1.03	0.65	0.54	0.50	0.42	0.37	
11	0.42	0.52	0.47	0.53	0.91	0.74	1.00	0.64	0.54	0.50	0.42	0.37	
12	0.43	0.50	0.44	0.55	0.93	0.78	0.97	0.64	0.54	0.49	0.42	0.38	
13	0.44	0.47	0.46	0.67	0.81	0.79	0.95	0.63	0.54	0.49	0.42	0.38	
14	0.47	0.45	0.56	0.66	0.79	0.81	0.92	0.63	0.54	0.49	0.42	0.39	
15	0.45	0.42	0.55	0.57	0.84	1.07	0.90	0.62	0.53	0.49	0.41	0.41	
16	0.45	0.41	0.63	0.54	1.18	0.88	0.88	0.62	0.53	0.49	0.41	0.68	
17	0.45	0.42	1.20	0.52	1.31	0.77	0.86	0.62	0.53	0.49	0.41	0.48	
18	0.45	0.43	0.74	0.51	1.07	0.70	0.84	0.61	0.53	0.49	0.41	0.42	
19	0.45	0.46	0.57	0.51	1.09	0.69	0.83	0.61	0.53	0.48	0.40	0.38	
20	0.44	0.53	0.53	0.50	1.05	0.80	0.80	0.60	0.53	0.48	0.40	0.36	
21	0.44	0.60	0.52	0.49	0.98	0.71	0.80	0.60	0.52	0.48	0.40	0.36	
22	0.43	0.63	0.52	0.48	0.87	0.66	0.78	0.60	0.52	0.47	0.40	0.35	
23	0.44	0.89	0.52	0.53	0.80	0.63	0.77	0.59	0.52	0.47	0.39	0.34	
24	0.45	0.61	0.50	0.50	0.74	0.73	0.76	0.58	0.52	0.47	0.39	0.34	
25	0.47	0.54	0.49	0.56	0.70	0.92	0.75	0.58	0.51	0.47	0.39	0.36	
26	0.49	0.51	0.49	0.53	0.73	1.94	0.75	0.58	0.51	0.46	0.39	0.37	
27	0.50	0.50	0.49	0.49	0.83	3.16	0.74	0.57	0.51	0.46	0.38	0.37	
28	0.48	0.49	0.50	0.48	0.83	2.68	0.74	0.57	0.51	0.45	0.38	0.36	
29	0.48	0.46	1.34	0.52	0.72	1.96	0.73	0.56	0.51	0.45	0.38	0.35	
30	0.46	0.45	1.18	0.63	0.66	1.99	0.73	0.56	0.51	0.45		0.35	
31		0.44		0.58	0.74		0.72		0.51	0.45		0.35	
MEAN	0.45	0.49	0.58	0.59	0.84	1.05	1.00	0.62	0.53	0.48	0.41	0.38	
MAX	0.50	0.89	1.34	1.02	1.31	3.16	1.77	0.71	0.55	0.51	0.44	0.68	3.16
MIN	0.42	0.40	0.43	0.48	0.55	0.63	0.72	0.56	0.51	0.45	0.38	0.34	0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.73 M (A.D), AT 6.00 HOURS, ON SEP 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.01 M (A.D)
LEFT BANK ELEVATION 6.46 M (A.D)
RIGHT BANK ELEVATION 5.34 M (A.D), DRAINAGE AREA 1426 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.88	7.10	6.66	21.90	9.50	20.10	48.00	13.88	9.50	8.46	6.88	5.60	
2	6.88	7.10	7.98	22.96	9.50	15.84	39.20	13.60	9.50	8.46	6.88	5.60	
3	6.88	7.10	7.76	15.84	9.76	13.88	34.80	13.32	9.50	8.20	6.88	5.60	
4	6.88	6.66	7.54	11.92	14.16	14.44	52.82	13.04	9.50	8.20	6.66	5.60	
5	6.88	6.44	7.10	10.80	15.84	16.12	48.40	13.04	9.50	8.20	6.66	5.60	
6	6.66	6.00	7.10	10.28	17.24	18.08	35.60	12.76	9.50	8.20	6.66	5.60	
7	6.66	6.22	6.88	9.50	19.20	15.56	30.94	12.48	9.24	8.20	6.66	5.60	
8	6.66	6.44	7.10	8.98	22.20	13.60	27.52	12.20	9.24	8.20	6.44	5.40	
9	6.66	7.10	7.10	10.28	18.36	21.90	25.24	12.20	9.24	8.20	6.44	5.40	
10	6.66	8.20	7.10	9.50	17.80	16.68	23.34	12.20	9.24	8.20	6.44	5.40	
11	6.44	8.72	7.54	8.98	19.50	14.72	22.20	11.92	9.24	8.20	6.44	5.40	
12	6.66	8.20	6.88	9.50	20.10	15.84	21.30	11.92	9.24	7.98	6.44	5.60	
13	6.88	7.54	7.32	12.76	16.68	16.12	20.70	11.64	9.24	7.98	6.44	5.60	
14	7.54	7.10	9.76	12.48	16.12	16.68	19.80	11.64	9.24	7.98	6.44	5.80	
15	7.10	6.44	9.50	10.02	17.52	24.86	19.20	11.36	8.98	7.98	6.22	6.22	
16	7.10	6.22	11.64	9.24	29.04	18.64	18.64	11.36	8.98	7.98	6.22	13.04	
17	7.10	6.44	29.80	8.72	34.00	15.56	18.08	11.36	8.98	7.98	6.22	7.76	
18	7.10	6.66	14.72	8.46	24.86	13.60	17.52	11.08	8.98	7.98	6.22	6.44	
19	7.10	7.32	10.02	8.46	25.62	13.32	17.24	11.08	8.98	7.76	6.00	5.60	
20	6.88	8.98	8.98	8.20	24.10	16.40	16.40	10.80	8.98	7.76	6.00	5.20	
21	6.88	10.80	8.72	7.98	21.60	13.88	16.40	10.80	8.72	7.76	6.00	5.20	
22	6.66	11.64	8.72	7.76	18.36	12.48	15.84	10.80	8.72	7.54	6.00	5.00	
23	6.88	18.92	8.72	6.98	16.40	11.64	15.56	10.54	8.72	7.54	5.80	4.80	
24	7.10	11.08	8.20	8.20	14.72	14.44	15.28	10.28	8.72	7.54	5.80	4.80	
25	7.54	9.24	7.98	9.76	13.60	19.80	15.00	10.28	8.46	7.54	5.80	5.20	
26	7.98	8.46	7.98	8.98	14.44	60.64	15.00	10.28	8.46	7.32	5.80	5.40	
27	8.20	8.20	7.98	7.98	17.24	122.60	14.72	10.02	8.46	7.32	5.60	5.40	
28	7.76	7.98	8.20	7.76	17.24	96.00	14.72	10.02	8.46	7.10	5.60	5.20	
29	7.76	7.32	35.20	8.72	14.16	61.56	14.44	9.76	8.46	7.10	5.60	5.00	
30	7.32	7.10	29.04	11.64	12.48	62.94	14.44	9.76	8.46	7.10		5.00	
31		6.88		10.28	14.72		14.16		8.46	7.10		5.00	
TOTAL	211.68	249.60	319.22	326.82	556.06	807.92	722.50	345.42	278.90	243.06	181.24	178.06	4420.47 CMSDAY
MEAN	7.06	8.05	10.64	10.54	17.94	26.93	23.31	11.51	9.00	7.84	6.25	5.74	12.08 CMS
MAX	8.20	18.92	35.20	22.96	34.00	122.60	52.82	13.88	9.50	8.46	6.88	13.04	122.60 CMS
MIN	6.44	6.00	6.66	7.76	9.50	11.64	14.16	9.76	8.46	7.10	5.60	4.80	4.80 CMS
RUNOFF	18.289	21.565	27.581	28.237	48.044	69.804	62.424	29.844	24.097	21.000	15.659	15.384	381.929 MCM

MOMENTARY PEAK 156.80 CMS, AT 3.73 M (A.D), AT 6.00 HOURS, ON SEP 27, 1979

RUNOFF YIELD 8.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 109.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SALAWIN RIVER BASIN

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

LOCATION — LAT. 16°45'44" N., LONG. 98°45'14" E., ON LEFT BANK DOWNSTREAM SIDE OF HUAI MAE LAMAO BRIDGE AT BAN MAE LAMAO, AMPHOE MAE SOT, TAK.

DRAINAGE AREA — 1,038 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — ABOUT 6.25 METERS FROM AUTOMATIC GAGE BUILDING.

ELEVATION — +10.386 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1971 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

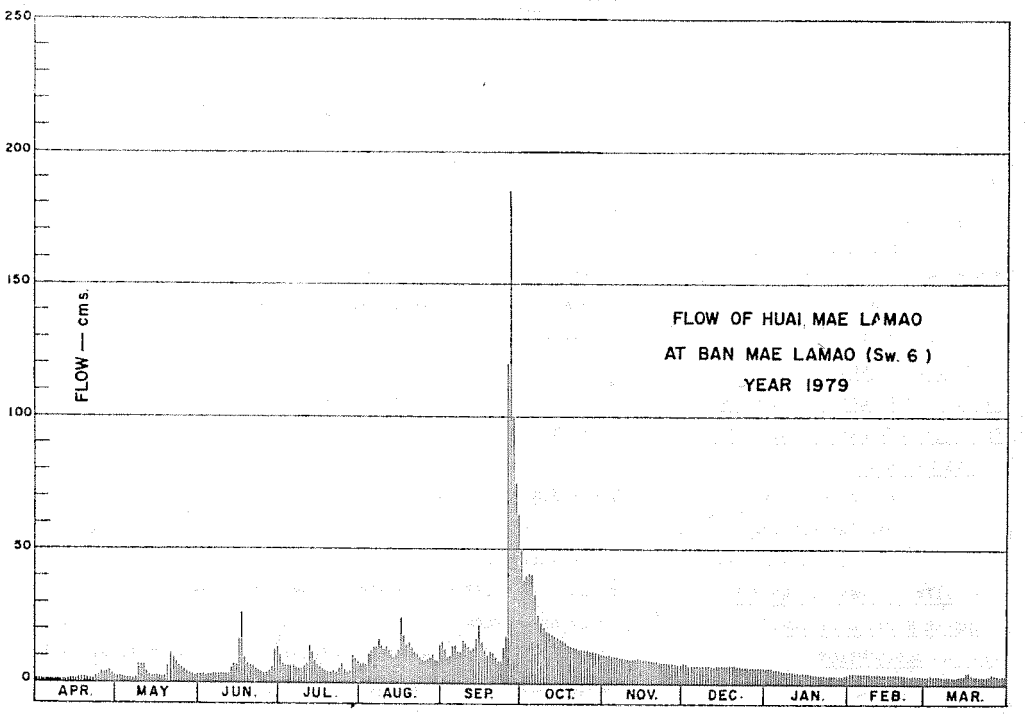
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 192 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	0.76	0.80	1.14	0.92	1.25	2.10	1.08	0.98	0.88	0.83	0.77	
2	0.69	0.74	0.80	0.99	0.96	1.16	1.93	1.06	0.92	0.87	0.83	0.77	
3	0.69	0.73	0.78	0.91	0.92	1.07	1.96	1.05	0.91	0.87	0.83	0.77	
4	0.69	0.73	0.78	0.88	1.09	1.06	1.98	1.04	0.91	0.86	0.82	0.76	
5	0.69	0.70	0.76	0.92	1.14	1.21	1.95	1.04	0.92	0.86	0.82	0.76	
6	0.69	0.69	0.78	0.92	1.20	1.17	1.73	1.04	0.93	0.86	0.82	0.76	
7	0.69	0.70	0.80	0.88	1.17	1.08	1.59	1.04	0.90	0.84	0.82	0.76	
8	0.68	0.73	0.79	0.89	1.27	1.15	1.50	1.04	0.92	0.84	0.81	0.76	
9	0.68	0.93	0.80	0.84	1.16	1.28	1.46	1.03	0.92	0.84	0.81	0.76	
10	0.68	0.91	0.80	0.89	1.18	1.20	1.40	1.03	0.92	0.84	0.81	0.76	
11	0.68	0.93	0.80	0.90	1.15	1.12	1.36	1.03	0.92	0.84	0.80	0.75	
12	0.68	0.83	0.80	0.96	1.06	1.16	1.34	1.01	0.92	0.84	0.80	0.75	
13	0.68	0.78	0.87	1.19	1.03	1.19	1.32	1.01	0.92	0.84	0.80	0.77	
14	0.71	0.78	0.95	1.02	1.06	1.29	1.30	1.00	0.92	0.83	0.80	0.80	
15	0.71	0.77	0.91	0.93	1.12	1.46	1.28	1.00	0.91	0.82	0.80	0.80	
16	0.70	0.76	1.32	0.90	1.53	1.21	1.27	1.00	0.91	0.82	0.80	0.86	
17	0.74	0.76	1.58	0.88	1.41	1.11	1.25	0.99	0.91	0.82	0.80	0.81	
18	0.74	0.75	1.05	0.85	1.23	1.04	1.22	0.99	0.91	0.81	0.80	0.78	
19	0.71	0.77	0.93	0.83	1.24	1.12	1.17	0.98	0.91	0.81	0.80	0.77	
20	0.69	0.96	0.91	0.82	1.20	1.10	1.18	0.98	0.91	0.80	0.80	0.77	
21	0.68	1.09	0.91	0.81	1.13	1.03	1.17	0.97	0.91	0.80	0.80	0.76	
22	0.68	1.05	0.88	0.84	1.07	1.00	1.16	0.97	0.90	0.80	0.80	0.76	
23	0.76	0.96	0.84	0.83	1.04	0.97	1.15	0.96	0.90	0.80	0.79	0.75	
24	0.76	0.94	0.83	0.89	1.01	1.16	1.14	0.95	0.90	0.80	0.79	0.77	
25	0.79	0.88	0.83	0.95	0.98	1.34	1.13	0.95	0.90	0.80	0.78	0.81	
26	0.83	0.86	0.82	0.85	1.00	4.27	1.13	0.95	0.89	0.80	0.78	0.81	
27	0.81	0.83	0.84	0.81	1.02	3.32	1.13	0.95	0.89	0.80	0.78	0.78	
28	0.86	0.81	0.86	0.86	1.08	3.07	1.12	0.94	0.89	0.80	0.78	0.77	
29	0.81	0.80	1.12	1.07	1.00	2.59	1.10	0.94	0.88	0.80	0.78	0.78	
30	0.76	0.79	1.18	1.03	1.00	2.41	1.10	0.93	0.88	0.80		0.76	
31		0.76		0.96	1.22		1.08		0.88	0.80		0.76	
MEAN	0.72	0.82	0.90	0.92	1.12	1.49	1.38	1.00	0.91	0.83	0.80	0.77	
MAX	0.86	1.09	1.58	1.19	1.53	4.27	2.10	1.08	0.98	0.88	0.83	0.86	4.27
MIN	0.68	0.69	0.76	0.81	0.92	0.97	1.08	0.93	0.88	0.80	0.78	0.75	0.68

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.66 M (A.D), AT 13.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 12.22 M (A.D)
RIGHT BANK ELEVATION 6.98 M (A.D), DRAINAGE AREA 1038 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.6	2.6	3.2	12.4	6.8	15.5	46.8	10.9	8.3	5.7	4.1	2.7	
2	1.4	2.2	3.2	8.5	7.8	13.0	39.3	10.4	6.8	5.4	4.1	2.7	
3	1.4	2.1	2.9	6.5	6.8	10.6	40.6	10.1	6.5	5.4	4.1	2.7	
4	1.4	2.1	2.9	5.7	11.1	10.4	41.4	9.8	6.5	5.1	3.8	2.6	
5	1.4	1.6	2.6	6.8	12.4	14.3	40.1	9.8	6.8	5.1	3.8	2.6	
6	1.4	1.4	2.9	6.8	14.0	13.2	31.3	9.8	7.0	5.1	3.8	2.6	
7	1.4	1.6	3.2	5.7	13.2	10.9	26.3	9.8	6.3	4.4	3.8	2.6	
8	1.3	2.1	3.0	6.0	16.1	12.7	23.2	9.8	6.8	4.4	3.5	2.6	
9	1.3	7.0	3.2	4.4	13.0	16.4	21.9	9.6	6.8	4.4	3.5	2.6	
10	1.3	6.5	3.2	6.0	13.5	14.0	20.0	9.6	6.8	4.4	3.5	2.6	
11	1.3	7.0	3.2	6.3	12.7	11.9	18.8	9.6	6.8	4.4	3.2	2.4	
12	1.3	4.1	3.2	7.8	10.4	13.0	18.2	9.1	6.8	4.4	3.2	2.4	
13	1.3	2.9	5.4	13.7	9.6	13.7	17.6	9.1	6.8	4.4	3.2	2.7	
14	1.9	2.9	7.5	9.3	10.4	16.7	17.0	8.8	6.8	4.1	3.2	3.2	
15	1.8	2.7	6.5	7.0	11.9	21.9	16.4	8.8	6.5	3.8	3.2	3.2	
16	1.6	2.6	17.6	6.3	24.2	14.3	16.1	8.8	6.5	3.8	3.2	5.1	
17	2.2	2.6	26.0	5.7	20.3	11.7	15.5	8.5	6.5	3.8	3.2	3.5	
18	2.2	2.6	10.1	4.7	14.9	9.8	14.6	8.5	6.5	3.5	3.2	2.9	
19	1.8	2.7	7.0	4.1	15.2	11.9	13.2	8.3	6.5	3.5	3.2	2.7	
20	1.4	7.8	6.5	3.8	14.0	11.4	13.5	8.3	6.5	3.2	3.2	2.7	
21	1.3	11.1	6.5	3.5	12.2	9.6	13.2	8.0	6.5	3.2	3.2	2.6	
22	1.3	10.1	5.7	4.4	10.6	8.8	13.0	8.0	6.3	3.2	3.2	2.6	
23	2.6	7.8	4.4	4.1	9.8	8.0	12.7	7.8	6.3	3.2	3.0	2.4	
24	2.6	7.3	4.1	6.0	9.1	13.0	12.4	7.5	6.3	3.2	3.0	2.7	
25	3.0	5.7	4.1	7.5	8.3	18.2	12.2	7.5	6.3	3.2	2.9	3.5	
26	4.1	5.1	3.8	4.7	8.8	185.1	12.2	7.5	6.0	3.2	2.9	3.5	
27	3.5	4.1	4.4	3.5	9.3	112.2	12.2	7.5	6.0	3.2	2.9	2.9	
28	5.1	3.5	5.1	5.1	10.9	98.9	11.9	7.3	6.0	3.2	2.9	2.7	
29	3.5	3.2	11.9	10.6	8.8	71.5	11.4	7.3	5.7	3.2	2.9	2.9	
30	2.6	3.0	13.5	9.6	8.8	61.9	11.4	7.0	5.7	3.2		2.6	
31		2.6		7.8	14.6		10.9		5.7	3.2		2.6	
TOTAL	60.2	130.6	186.8	204.3	369.5	854.5	625.3	262.8	201.6	123.5	96.9	88.1	3204.1 CMSDAY
MEAN	2.0	4.2	6.2	6.6	11.9	28.5	20.2	8.8	6.5	4.0	3.3	2.8	8.8 CMS
MAX	5.1	11.1	26.0	13.7	24.2	185.1	46.8	10.9	8.3	5.7	4.1	5.1	185.1 CMS
MIN	1.3	1.4	2.6	3.5	6.8	8.0	10.9	7.0	5.7	3.2	2.9	2.4	1.3 CMS
RUNOFF	5.20	11.28	16.14	17.65	31.92	73.83	54.03	22.71	17.42	10.67	8.37	7.61	276.83 MCM

MOMENTARY PEAK 437.80 CMS, AT 6.66 M (A.D), AT 13.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 8.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 421.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KOK RIVER BASIN

MAE KOK RIVER AT CHIANG RAI, CHIANG RAI. (G.2A)

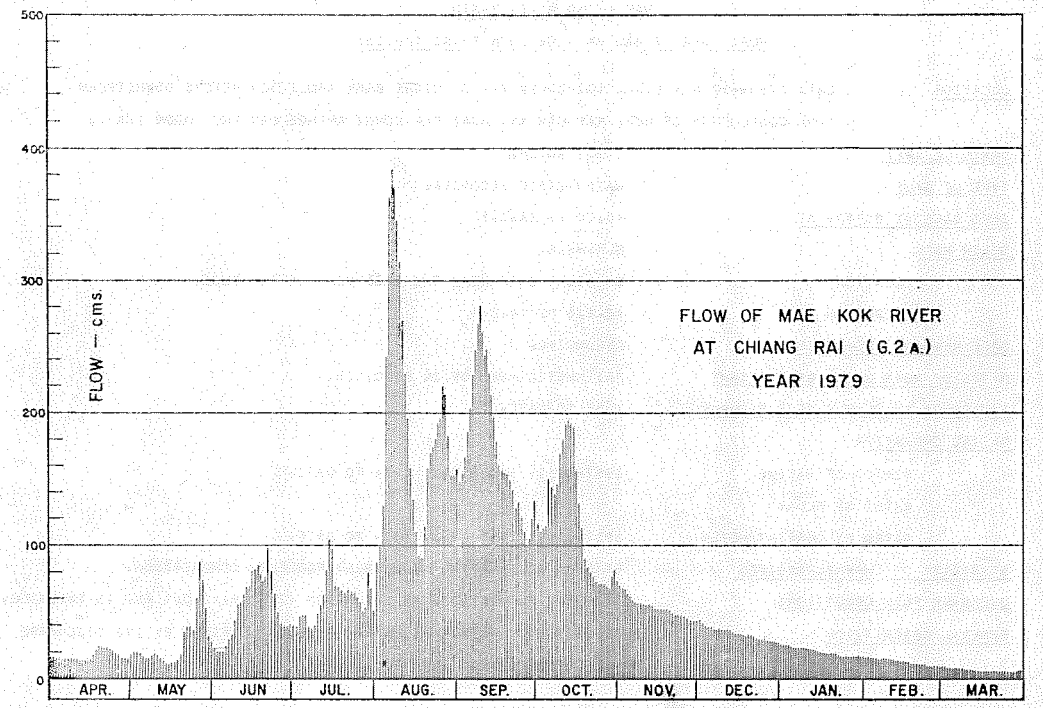
LOCATION — LAT. 19°55'14" N., LONG. 99°51'05" E., ON RIGHT BANK ABOUT 80 METERS DOWNSTREAM FROM THE BRIDGE OF CHIANG RAI-MAE CHAN HIGHWAY, AMPHOE MUANG, CHIANG RAI.

DRAINAGE AREA	6,063 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+389.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+392.602 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1958 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1958-1960, 1967-1971
RATED BY FLOAT	-
RATED BY CURRENT METER	1958-1960, 1967-1971
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 95 DISCHARGE MEASUREMENTS MADE IN 1971.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	390.53	390.56	390.61	390.77	390.79	391.36	391.24	390.98	390.80	390.64	390.53	390.42	
2	390.53	390.58	390.58	390.76	391.04	391.38	391.21	390.97	390.78	390.63	390.53	390.42	
3	390.53	390.58	390.57	390.82	391.20	391.41	391.22	390.96	390.77	390.63	390.53	390.41	
4	390.52	390.57	390.58	390.83	391.33	391.50	391.24	390.94	390.76	390.62	390.53	390.41	
5	390.52	390.56	390.61	390.83	391.81	391.55	391.38	390.92	390.76	390.62	390.53	390.41	
6	390.52	390.53	390.66	390.80	392.05	391.62	391.36	390.90	390.75	390.61	390.52	390.40	
7	390.52	390.52	390.69	390.75	392.12	391.70	391.34	390.89	390.75	390.61	390.52	390.40	
8	390.52	390.53	390.72	390.74	392.06	391.73	391.33	390.89	390.74	390.61	390.52	390.40	
9	390.52	390.56	390.82	390.77	392.00	391.82	391.37	390.88	390.74	390.61	390.52	390.39	
10	390.52	390.57	390.89	390.82	391.93	391.79	391.47	390.88	390.74	390.61	390.52	390.38	
11	390.51	390.56	390.89	390.89	391.78	391.71	391.50	390.88	390.74	390.60	390.52	390.38	
12	390.51	390.52	390.92	390.93	391.65	391.72	391.53	390.88	390.73	390.60	390.51	390.37	
13	390.51	390.50	390.97	390.97	391.56	391.65	391.54	390.88	390.73	390.60	390.51	390.37	
14	390.51	390.48	390.98	391.11	391.40	391.56	391.53	390.86	390.72	390.59	390.50	390.37	
15	390.51	390.47	391.03	391.18	391.28	391.48	391.49	390.86	390.72	390.58	390.50	390.37	
16	390.51	390.48	391.05	391.12	391.18	391.43	391.39	390.86	390.72	390.57	390.49	390.37	
17	390.57	390.50	391.07	390.98	391.12	391.40	391.29	390.86	390.71	390.57	390.49	390.37	
18	390.62	390.49	391.04	390.97	391.10	391.40	391.14	390.86	390.70	390.56	390.48	390.37	
19	390.63	390.54	391.00	390.95	391.26	391.39	391.10	390.86	390.70	390.56	390.48	390.36	
20	390.62	390.71	391.03	390.94	391.41	391.38	391.06	390.85	390.70	390.56	390.48	390.36	
21	390.62	390.74	391.14	390.95	391.43	391.35	391.04	390.84	390.70	390.56	390.47	390.36	
22	390.62	390.76	391.06	390.97	391.47	391.32	391.02	390.83	390.68	390.55	390.47	390.36	
23	390.61	390.76	391.02	390.95	391.48	391.29	391.00	390.82	390.68	390.54	390.46	390.36	
24	390.60	390.70	390.98	390.94	391.54	391.31	390.99	390.82	390.67	390.54	390.45	390.36	
25	390.56	390.86	390.90	390.92	391.55	391.27	390.99	390.82	390.67	390.54	390.45	390.36	
26	390.56	391.04	390.81	390.89	391.63	391.22	390.99	390.81	390.67	390.54	390.44	390.36	
27	390.54	391.09	390.77	390.85	391.61	391.16	390.97	390.80	390.66	390.54	390.44	390.35	
28	390.52	390.99	390.76	390.88	391.46	391.18	390.96	390.80	390.66	390.54	390.43	390.36	
29	390.53	390.84	390.77	391.04	391.40	391.26	391.02	390.79	390.65	390.54	390.43	390.36	
30	390.52	390.70	390.77	390.96	391.39	391.31	391.04	390.79	390.65	390.54		390.38	
31		390.66		390.86	391.40		391.00		390.64	390.54		390.40	
MEAN	390.55	390.64	390.86	390.91	391.50	391.45	391.22	390.87	390.71	390.58	390.49	390.38	
MAX	390.63	391.09	391.14	391.18	392.12	391.82	391.54	390.98	390.80	390.64	390.53	390.42	392.12
MIN	390.51	390.47	390.57	390.74	390.79	391.16	390.96	390.79	390.64	390.54	390.43	390.35	390.35

ANNUAL MAX MOMENTARY GAGE HEIGHT 392.19 M (MSL), AT 18.00 HOURS, ON AUG 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 389.00 M (MSL), RIVER BED 388.59 M (MSL)
LEFT BANK ELEVATION 394.16 M (MSL)
RIGHT BANK ELEVATION 393.22 M (MSL), DRAINAGE AREA 6063 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.05	18.60	23.00	40.40	42.80	146.00	117.81	69.90	44.00	26.00	16.05	8.30	
2	16.05	20.30	20.30	39.20	79.80	150.99	111.20	68.35	41.60	25.00	16.05	8.30	
3	16.05	20.30	19.45	46.70	109.00	158.60	113.40	66.80	40.40	25.00	16.05	7.65	
4	15.20	19.45	20.30	48.05	138.49	182.00	117.81	63.69	39.20	24.00	16.05	7.65	
5	15.20	18.60	23.00	48.05	277.31	196.50	150.99	60.60	39.20	24.00	16.05	7.65	
6	15.20	16.05	28.00	44.00	360.00	217.01	146.00	57.50	38.00	23.00	15.20	7.00	
7	15.20	15.20	31.00	38.00	385.21	241.00	141.00	56.15	38.00	23.00	15.20	7.00	
8	15.20	16.05	34.40	36.80	363.60	250.91	138.49	56.15	36.80	23.00	15.20	7.00	
9	15.20	18.60	46.70	40.40	342.00	280.60	148.51	54.80	36.80	23.00	15.20	6.60	
10	15.20	19.45	56.15	46.70	317.51	270.71	174.20	54.80	36.80	23.00	15.20	6.20	
11	14.35	18.60	56.15	56.15	267.40	244.30	182.00	54.80	36.80	22.00	15.20	6.20	
12	14.35	15.20	60.60	62.15	226.00	247.61	190.69	54.80	35.60	22.00	14.35	5.80	
13	14.35	13.50	68.35	68.35	199.40	226.00	193.60	54.80	35.60	22.00	14.35	5.80	
14	14.35	12.20	69.90	91.90	156.00	199.40	190.69	52.10	34.40	21.15	13.50	5.80	
15	14.35	11.55	78.10	105.21	126.60	176.80	179.40	52.10	34.40	20.30	13.50	5.80	
16	14.35	12.20	81.50	93.80	105.21	163.80	153.50	52.10	34.40	19.45	12.85	5.80	
17	19.45	13.50	84.89	69.90	93.80	156.00	128.80	52.10	33.20	19.45	12.85	5.80	
18	24.00	12.85	79.80	68.35	90.00	156.00	97.60	52.10	32.00	18.60	12.20	5.80	
19	25.00	16.90	73.00	65.25	122.19	153.50	90.00	52.10	32.00	18.60	12.20	5.40	
20	24.00	33.20	78.10	63.69	158.60	150.99	83.20	50.75	32.00	18.60	12.20	5.40	
21	24.00	36.80	97.60	65.25	163.80	143.50	79.80	49.40	32.00	18.60	11.55	5.40	
22	24.00	39.20	83.20	68.35	174.20	135.99	76.39	48.05	30.00	17.75	11.55	5.40	
23	23.00	39.20	76.39	65.25	176.80	128.80	73.00	46.70	30.00	16.90	10.90	5.40	
24	22.00	32.00	69.90	63.69	193.60	133.50	71.45	46.70	29.00	16.90	10.25	5.40	
25	18.60	52.10	57.50	60.60	196.50	124.40	71.45	46.70	29.00	16.90	10.25	5.40	
26	18.60	79.80	45.35	56.15	219.99	113.40	71.45	45.35	29.00	16.90	9.60	5.40	
27	16.90	88.30	40.40	50.75	214.00	101.40	68.35	44.00	28.00	16.90	9.60	5.00	
28	15.20	71.45	39.20	54.80	171.59	105.21	66.80	44.00	28.00	16.90	8.95	5.40	
29	16.05	49.40	40.40	79.80	156.00	122.19	76.39	42.80	27.00	16.90	8.95	5.40	
30	15.20	32.00	40.40	66.80	153.50	133.50	79.80	42.80	27.00	16.90		6.20	
31		28.00		52.10	156.00		73.00		26.00	16.90		7.00	
TOTAL	526.65	890.55	1623.03	1856.59	5936.00	5210.61	3656.77	1592.99	1046.20	629.60	381.05	192.35	23543.26 CMSDAY
MEAN	17.55	28.73	54.10	59.89	191.51	173.69	117.96	53.10	33.75	20.31	13.14	6.20	64.33 CMS
MAX	25.00	88.30	97.60	105.21	385.21	280.60	193.60	69.90	44.00	26.00	16.05	8.30	385.21 CMS
MIN	14.35	11.55	19.45	36.80	42.80	101.40	66.80	42.80	26.00	16.90	8.95	5.00	5.00 CMS
RUNOFF	45.503	76.943	140.230	160.409	512.946	450.196	315.945	137.634	90.392	54.397	32.923	16.619	2034.137 MCM

MOMENTARY PEAK 410.40 CMS, AT 392.19 M (MSL), AT 18.00 HOURS, ON AUG 7, 1979
RUNOFF YIELD 10.61 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.69 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

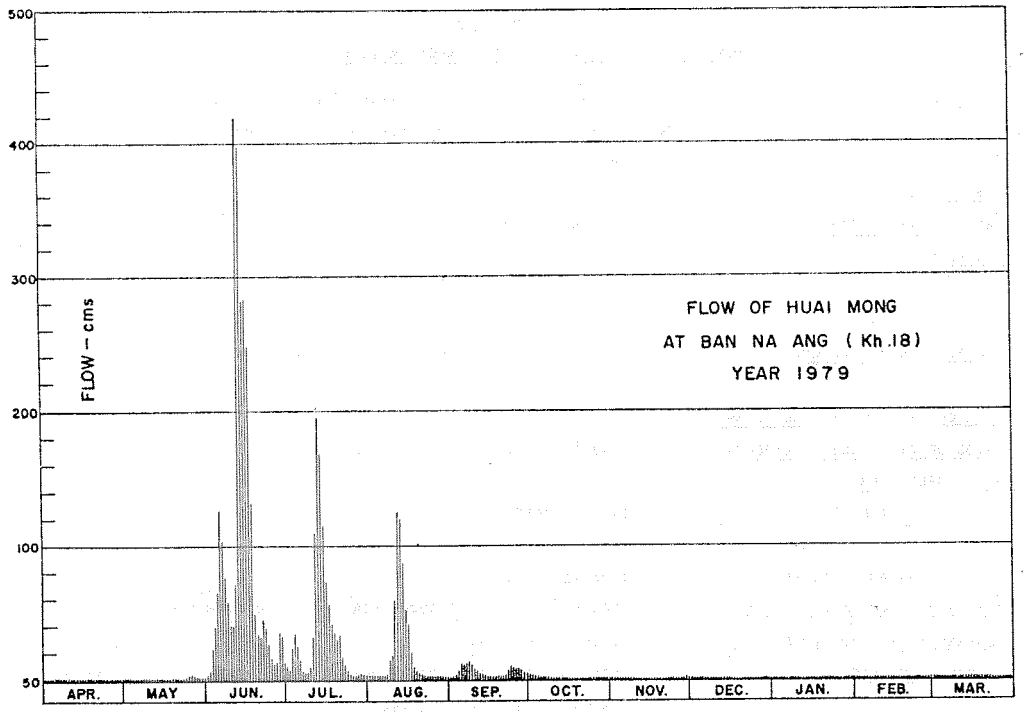
HUAI MONG AT BAN NA ANG, UDON THANI (KH.18)

LOCATION	LAT. 17°34'39" N., LONG. 102°20'19" E., ON RIGHT BANK ABOUT 300 METERS DOWNSTREAM FROM CONFLUENCE OF HUAI NAM BAN AND HUAI PAK KONG, AMPHOE BAN PHU, UDON THANI.
DRAINAGE AREA	1,307 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+8.826 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1957 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1957-1959, 1965-1966, 1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1957-1959, 1965-1966, 1974 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +7.43 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 111 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.92	0.82	2.32	3.00	2.16	1.73	2.22	1.48	1.35	1.00	1.09	0.83	
2	0.89	0.85	2.66	2.80	2.16	1.72	2.12	1.53	1.35	1.00	1.13	0.82	
3	0.87	0.86	3.85	4.38	2.24	2.17	1.99	1.53	1.41	0.99	1.09	0.82	
4	0.85	0.89	4.83	5.03	2.12	2.63	1.84	1.53	1.46	0.99	1.06	0.83	
5	0.85	0.91	6.12	4.28	2.15	3.37	1.72	1.40	1.46	0.99	1.04	0.81	
6	0.85	0.85	7.29	3.34	2.02	3.26	1.67	1.19	1.42	1.01	1.03	0.80	
7	0.87	0.81	7.13	2.79	2.29	3.57	1.56	1.19	1.40	1.03	1.02	0.81	
8	0.84	0.80	6.70	2.62	2.24	3.54	1.45	1.29	1.39	1.00	1.02	0.82	
9	0.81	0.85	6.11	2.72	3.66	3.35	1.39	1.35	1.33	1.03	1.01	0.80	
10	0.80	0.90	5.40	3.11	4.06	2.98	1.31	1.30	1.27	1.05	1.00	0.80	
11	0.79	0.88	5.42	4.71	6.32	2.70	1.22	1.09	1.25	0.97	1.00	0.80	
12	0.79	0.88	6.64	6.99	7.28	2.36	1.18	1.12	1.25	0.95	0.99	0.81	
13	0.79	0.90	8.05	7.58	7.24	2.30	1.11	1.17	1.25	0.98	1.00	0.82	
14	0.84	0.94	7.99	7.47	6.75	2.23	1.07	1.14	1.25	0.96	1.00	0.83	
15	0.88	0.96	7.80	7.13	6.08	2.13	1.05	1.18	1.26	0.96	1.01	0.84	
16	0.88	1.00	7.54	6.66	5.33	1.97	1.06	1.21	1.28	0.96	1.04	0.84	
17	0.86	1.10	7.24	6.08	4.37	1.88	1.07	1.21	1.29	0.95	1.06	0.85	
18	0.84	1.19	6.75	5.40	3.01	1.82	0.97	1.21	1.28	0.93	1.07	0.89	
19	0.84	1.16	5.92	5.01	2.61	1.74	0.95	1.09	1.28	0.91	1.02	0.82	
20	0.86	1.13	4.95	4.70	2.39	1.84	1.02	1.23	1.25	0.91	0.99	0.80	
21	0.85	1.12	4.92	4.32	2.26	1.91	1.27	1.42	1.24	0.91	1.00	0.81	
22	0.85	1.12	5.61	3.71	2.17	1.93	1.19	1.39	1.23	0.92	1.01	0.81	
23	0.86	1.29	5.26	2.91	2.04	2.96	1.09	1.36	1.19	0.92	0.99	0.83	
24	0.85	1.75	4.58	2.68	1.90	3.17	1.28	1.31	1.11	0.93	1.02	0.82	
25	0.84	2.44	3.83	2.43	1.82	2.94	1.36	1.29	1.09	0.95	0.93	0.82	
26	0.84	2.65	3.23	2.17	1.80	3.02	1.39	1.30	1.11	0.96	0.83	0.81	
27	0.91	2.44	3.48	2.29	1.78	3.05	1.57	1.30	1.06	0.96	0.81	0.79	
28	0.88	1.95	5.16	2.48	1.78	2.75	1.48	1.32	1.40	0.96	0.81	0.79	
29	0.84	1.71	4.93	2.46	1.76	2.53	1.42	1.34	1.03	0.97	0.83	0.78	
30	0.83	1.62	3.51	2.31	1.72	2.34	1.44	1.34	1.01	0.97		0.78	
31		1.64		2.14	1.69		1.43		1.00	0.98		0.78	
MEAN	0.85	1.24	5.51	4.05	3.14	2.53	1.38	1.29	1.26	0.97	1.00	0.81	
MAX	0.92	2.65	8.05	7.58	7.28	3.57	2.22	1.53	1.46	1.05	1.13	0.89	8.05
MIN	0.79	0.80	2.32	2.14	1.69	1.72	0.95	1.09	1.00	0.91	0.81	0.78	0.78

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.08 M (A.D.), AT 1:00 HOURS, ON JUN 14, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED M (A.D.)
LEFT BANK ELEVATION M (A.D.)
RIGHT BANK ELEVATION M (A.D.), DRAINAGE AREA 1307 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.04	4.10	9.00	3.34	1.99	3.60	1.36	1.10	0.40	0.58	0.06	
2	0.18	0.10	5.80	7.00	3.34	1.96	3.18	1.46	1.10	0.40	0.66	0.04	
3	0.14	0.12	17.80	24.64	3.70	3.38	2.77	1.46	1.22	0.38	0.58	0.04	
4	0.10	0.18	31.38	34.61	3.18	5.65	2.32	1.46	1.32	0.38	0.52	0.06	
5	0.10	0.22	56.30	23.34	3.30	12.70	1.96	1.20	1.32	0.38	0.48	0.02	
6	0.10	0.10	127.70	12.40	2.86	11.60	1.81	0.78	1.24	0.42	0.46	0.00	
7	0.14	0.02	108.86	6.90	3.95	14.70	1.52	0.78	1.20	0.46	0.44	0.02	
8	0.08	0.00	78.50	5.60	3.70	14.40	1.30	0.98	1.18	0.40	0.44	0.04	
9	0.02	0.10	56.00	6.20	15.60	12.50	1.18	1.10	1.06	0.46	0.42	0.00	
10	0.00	0.20	41.30	10.10	20.48	8.80	1.02	1.00	0.94	0.50	0.40	0.00	
11	0.00	0.16	41.68	29.46	62.74	6.00	0.84	0.58	0.90	0.34	0.40	0.00	
12	0.00	0.16	75.74	96.20	126.40	4.30	0.76	0.64	0.90	0.30	0.38	0.02	
13	0.00	0.20	419.30	194.40	121.20	4.00	0.62	0.74	0.90	0.36	0.40	0.04	
14	0.08	0.28	385.50	164.20	80.80	3.65	0.54	0.68	0.90	0.32	0.40	0.06	
15	0.16	0.32	281.00	108.86	55.14	3.22	0.50	0.76	0.92	0.32	0.42	0.08	
16	0.16	0.40	183.20	76.66	39.97	2.71	0.52	0.82	0.96	0.32	0.48	0.08	
17	0.12	0.60	121.20	55.14	24.51	2.44	0.54	0.82	0.98	0.30	0.52	0.10	
18	0.08	0.78	80.80	41.30	9.10	2.26	0.34	0.82	0.96	0.26	0.54	0.18	
19	0.08	0.72	51.30	34.27	5.55	2.02	0.30	0.58	0.96	0.22	0.44	0.04	
20	0.12	0.66	33.30	29.30	4.45	2.32	0.44	0.86	0.90	0.22	0.38	0.00	
21	0.10	0.64	32.82	23.86	3.80	2.53	0.94	1.24	0.88	0.22	0.40	0.02	
22	0.10	0.64	45.29	16.12	3.38	2.59	0.78	1.18	0.86	0.24	0.42	0.02	
23	0.12	0.98	38.64	8.10	2.92	8.60	0.58	1.12	0.78	0.24	0.38	0.06	
24	0.10	2.05	27.40	5.90	2.50	10.70	0.96	1.02	0.62	0.26	0.44	0.04	
25	0.08	4.70	17.56	4.65	2.26	8.40	1.12	0.98	0.58	0.30	0.26	0.04	
26	0.08	5.75	11.30	3.38	2.20	9.20	1.18	1.00	0.62	0.32	0.06	0.02	
27	0.22	4.70	13.80	3.95	2.14	9.50	1.54	1.00	0.52	0.32	0.02	0.00	
28	0.16	2.65	36.82	4.90	2.14	6.50	1.36	1.04	1.20	0.32	0.02	0.00	
29	0.08	1.93	32.98	4.80	2.08	5.15	1.24	1.08	0.46	0.34	0.06	0.00	
30	0.06	1.66	14.10	4.05	1.96	4.20	1.28	1.08	0.42	0.34		0.00	
31		1.72		3.26	1.87		1.26		0.40	0.36		0.00	
TOTAL	3.00	32.78	2471.47	1052.55	620.56	187.97	38.30	29.62	28.30	10.40	11.40	1.08	4487.42 CMSDAY
MEAN	0.10	1.06	82.38	33.95	20.02	6.27	1.24	0.99	0.91	0.34	0.39	0.03	12.26 CMS
MAX	0.24	5.75	419.30	194.40	126.40	14.70	3.60	1.46	1.32	0.50	0.66	0.18	419.30 CMS
MIN	0.00	0.00	4.10	3.26	1.87	1.96	0.30	0.58	0.40	0.22	0.02	0.00	0.00 CMS
RUNOFF	0.259	2.832	213.535	90.940	53.616	16.241	3.309	2.559	2.445	0.899	0.985	0.093	387.713 MCM

MOMENTARY PEAK 436.28 CMS, AT 8.08 M (A.D), AT 1.00 HOURS, ON JUN 14, 1979
RUNOFF YIELD 9.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 333.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

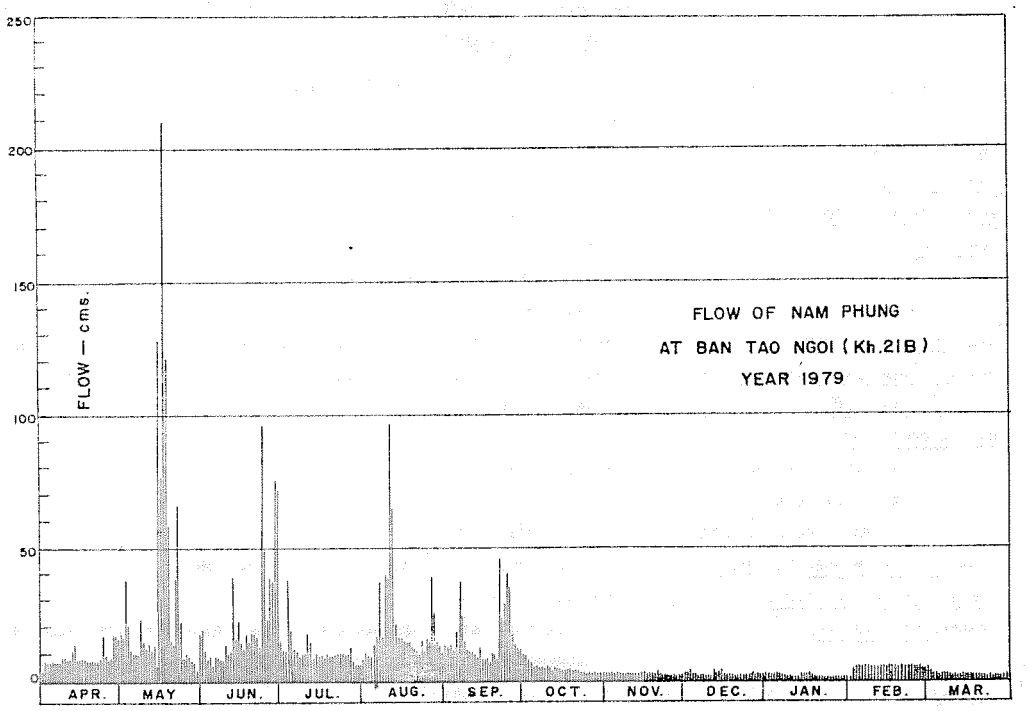
NAM PHUNG AT BAN TAO NGOI, SAKON NAKHON (KH.21B)

LOCATION	LAT. 16°-59'-39" N., LONG. 104°-10'-39" E., ON LEFT BANK ABOUT 2.7 KILOMETERS DOWNSTREAM FROM KH.21A, BAN TAO NGOI, AMPHOE MUANG, SAKON NAKHON.
DRAINAGE AREA	641 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+170.60 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	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 189 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	171.49	171.86	171.90	171.71	171.58	171.76	171.62	171.34	171.32	171.26	171.22	171.45	
2	171.54	171.79	171.66	171.70	171.63	171.73	171.58	171.34	171.32	171.25	171.38	171.37	
3	171.54	172.05	171.56	171.68	171.61	171.77	171.54	171.35	171.33	171.25	171.44	171.29	
4	171.55	171.82	171.60	172.13	171.61	171.70	171.51	171.34	171.30	171.25	171.45	171.28	
5	171.55	171.68	171.39	171.83	171.77	171.89	171.48	171.34	171.28	171.25	171.45	171.28	
6	171.55	171.65	171.65	171.72	171.88	171.71	171.47	171.34	171.28	171.24	171.46	171.29	
7	171.55	171.63	171.59	171.69	172.04	172.12	171.47	171.34	171.27	171.25	171.45	171.28	
8	171.55	171.61	171.56	171.65	171.82	171.81	171.42	171.34	171.27	171.23	171.45	171.27	
9	171.56	171.99	171.57	171.69	172.30	171.72	171.46	171.33	171.27	171.22	171.45	171.27	
10	171.56	171.80	171.75	171.66	172.19	171.69	171.45	171.33	171.27	171.23	171.45	171.28	
11	171.56	171.70	171.63	171.88	173.06	171.68	171.44	171.33	171.27	171.22	171.45	171.27	
12	171.57	171.76	171.83	171.81	172.14	171.66	171.42	171.34	171.38	171.23	171.45	171.27	
13	171.78	171.65	172.20	171.69	171.92	171.60	171.43	171.34	171.37	171.25	171.45	171.26	
14	171.56	171.77	171.79	171.66	171.83	171.71	171.42	171.33	171.42	171.25	171.45	171.25	
15	171.55	171.50	171.97	171.65	171.81	171.59	171.42	171.34	171.41	171.26	171.45	171.25	
16	171.57	173.37	171.74	171.66	171.80	171.59	171.40	171.34	171.29	171.25	171.45	171.26	
17	171.56	172.18	171.71	171.61	171.76	171.56	171.41	171.34	171.29	171.26	171.45	171.27	
18	171.55	174.08	171.84	171.63	171.76	171.55	171.41	171.34	171.28	171.20	171.45	171.26	
19	171.55	172.13	171.81	171.62	171.71	171.68	171.40	171.34	171.26	171.16	171.45	171.26	
20	171.55	171.78	171.88	171.61	171.69	171.60	171.40	171.29	171.25	171.22	171.46	171.25	
21	171.54	171.74	171.88	171.64	171.67	171.59	171.39	171.28	171.29	171.22	171.45	171.28	
22	171.54	172.68	171.82	171.64	171.65	172.39	171.37	171.27	171.27	171.23	171.45	171.26	
23	171.56	172.12	171.77	171.69	171.80	172.00	171.36	171.26	171.27	171.23	171.46	171.26	
24	171.84	171.75	173.05	171.65	171.69	172.11	171.37	171.28	171.27	171.21	171.46	171.27	
25	171.60	171.58	172.10	171.65	171.84	172.36	171.35	171.25	171.26	171.15	171.45	171.27	
26	171.59	171.65	171.98	171.65	171.76	171.96	171.35	171.27	171.26	171.18	171.45	171.27	
27	171.61	171.59	172.23	171.73	172.20	171.80	171.36	171.29	171.26	171.21	171.45	171.27	
28	171.85	171.55	172.05	171.53	171.86	171.74	171.36	171.29	171.26	171.20	171.45	171.27	
29	171.85	171.54	172.82	171.51	171.77	171.70	171.37	171.30	171.26	171.17	171.45	171.26	
30	171.82	171.35	172.75	171.49	171.70	171.69	171.34	171.30	171.26	171.21		171.25	
31		171.87		171.49	171.69		171.34		171.25	171.21		171.25	
MEAN	171.60	171.91	171.90	171.68	171.86	171.78	171.42	171.32	171.29	171.22	171.44	171.28	
MAX	171.85	174.08	173.05	172.13	173.06	172.39	171.62	171.35	171.42	171.26	171.46	171.45	174.08
MIN	171.49	171.35	171.39	171.49	171.58	171.55	171.34	171.25	171.25	171.15	171.22	171.25	171.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 174.95 M (MSL), AT 12.00 HOURS, ON MAY 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 170.60 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 641 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.29	17.96	19.60	12.35	8.66	14.10	9.76	3.44	3.12	2.28	1.76	5.45	
2	7.58	15.15	10.88	12.00	10.04	13.05	8.66	3.44	3.12	2.15	4.08	3.92	
3	7.58	37.71	8.12	11.44	9.48	14.45	7.58	3.60	3.28	2.15	5.24	2.67	
4	7.85	15.32	9.20	38.44	9.48	12.00	6.77	3.44	2.80	2.15	5.45	2.54	
5	7.85	11.44	4.24	16.73	14.45	19.19	6.08	3.44	2.54	2.15	5.45	2.54	
6	7.85	10.60	10.60	12.70	18.78	12.35	5.87	3.44	2.54	2.02	5.66	2.67	
7	7.85	10.04	8.93	11.72	37.62	38.35	5.87	3.44	2.41	2.15	5.45	2.54	
8	7.85	9.48	8.12	10.60	16.32	15.91	4.82	3.44	2.41	1.89	5.45	2.41	
9	8.12	23.56	8.39	11.72	40.00	12.70	5.66	3.28	2.41	1.76	5.45	2.41	
10	8.12	15.50	13.75	10.88	38.99	11.72	5.45	3.28	2.41	1.89	5.45	2.54	
11	8.12	12.00	10.04	13.78	97.40	11.44	5.24	3.28	2.41	1.76	5.45	2.41	
12	8.39	14.10	16.73	15.91	38.53	10.88	4.82	3.44	4.08	1.89	5.45	2.41	
13	14.80	10.60	39.08	11.72	20.48	9.20	5.03	3.44	3.92	2.15	5.45	2.28	
14	8.66	14.45	15.15	10.88	16.73	12.35	4.82	3.28	4.82	2.15	5.45	2.15	
15	7.85	6.50	22.88	10.60	15.91	8.93	4.82	3.44	4.61	2.28	5.45	2.15	
16	8.39	127.35	13.40	10.88	15.50	8.93	4.40	3.44	2.67	2.15	5.45	2.28	
17	8.12	38.90	12.35	9.48	14.10	8.12	4.61	3.44	2.67	2.28	5.45	2.41	
18	7.85	209.50	17.14	10.04	14.10	7.85	4.61	3.44	2.54	1.50	5.45	2.28	
19	7.85	38.44	15.91	9.76	12.35	11.44	4.40	3.44	2.28	1.10	5.45	2.28	
20	7.85	14.80	18.78	9.48	11.72	9.20	4.40	2.67	2.15	1.76	5.66	2.15	
21	7.58	13.40	18.78	10.32	11.16	8.93	4.24	2.54	2.67	1.76	5.45	2.54	
22	7.58	66.00	16.32	10.32	10.60	45.40	3.92	2.41	2.41	1.89	5.45	2.28	
23	8.12	38.35	14.45	11.72	15.50	24.00	3.76	2.28	2.41	1.89	5.66	2.28	
24	17.14	13.75	96.50	10.60	11.72	38.26	3.92	2.54	2.41	1.63	5.66	2.41	
25	9.20	8.68	38.17	10.60	17.14	43.60	3.60	2.15	2.28	1.00	5.45	2.41	
26	8.93	10.60	23.12	10.60	14.10	22.24	3.60	2.41	2.28	1.30	5.45	2.41	
27	9.48	8.93	39.36	13.05	39.08	15.50	3.76	2.67	2.28	1.63	5.45	2.41	
28	17.55	7.85	37.11	7.31	17.96	13.40	3.76	2.67	2.28	1.50	5.45	2.41	
29	17.55	7.58	76.70	6.77	14.45	12.00	3.92	2.80	2.28	1.20	5.45	2.28	
30	16.32	3.60	71.25	6.29	12.00	11.72	3.44	2.80	2.28	1.63		2.15	
31		18.37		6.29	11.72		3.44		2.15	1.63		2.15	
TOTAL	284.27	851.49	715.45	369.98	636.07	497.21	155.03	92.82	84.92	56.67	153.62	78.22	3975.75 CMSDAY
MEAN	9.48	27.47	23.85	11.93	20.52	16.57	5.00	3.09	2.74	1.83	5.30	2.52	10.86 CMS
MAX	17.55	209.50	96.50	38.44	97.40	45.40	9.76	3.60	4.82	2.28	5.66	5.45	209.50 CMS
MIN	6.29	3.60	4.24	6.29	8.66	7.85	3.44	2.15	2.15	1.00	1.76	2.15	1.00 CMS
RUNOFF	24.561	73.569	61.815	31.966	54.956	42.959	13.395	8.020	7.337	4.896	13.273	6.756	343.504 MCM

MOMENTARY PEAK 326.00 CMS, AT 174.95 M (MSL), AT 12.00 HOURS, ON MAY 18, 1979
RUNOFF YIELD 16.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 508.58 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

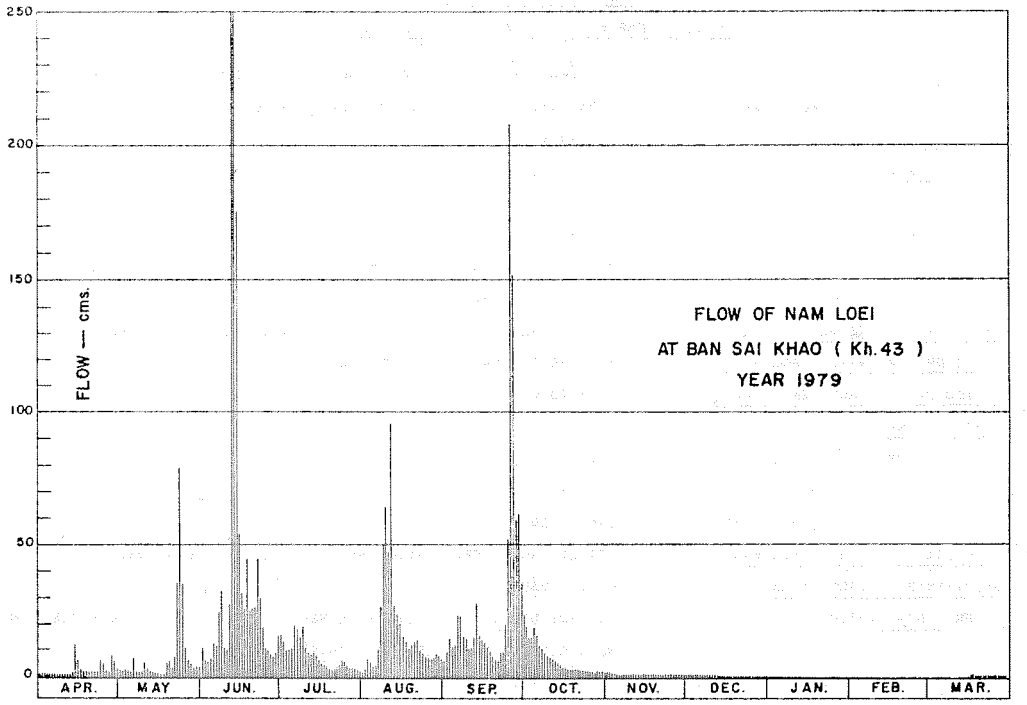
NAM LOEI AT BAN SAI KHAO, LOEI (KH.43)

LOCATION	LAT. 17°-14'-15" N., LONG. 101°-41'-31" E., ON LEFT BANK DOWNSTREAM OF WAT KU KAM AT BAN SAI KHAO, AMPHOE WANG SAPHUNG, LOEI.
DRAINAGE AREA	991 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	UNDER TAMARIND TREE ALONG THE MEASURING LINE.
ELEVATION	+10.689 M. (A.D.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 - 1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 - 1973
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1.242 DISCHARGE MEASUREMENTS MADE DURING 1966-1973.
REMARKS	ESTIMATED GAGE HEIGHT DURING MAR 1-14,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.77	0.90	1.24	1.41	0.87	1.07	1.62	0.84	0.74	0.70	0.66	0.66	
2	0.77	0.88	1.07	1.27	1.01	1.22	1.47	0.83	0.74	0.70	0.66	0.66	
3	0.77	0.88	1.04	1.21	1.12	1.37	1.37	0.82	0.74	0.70	0.66	0.66	
4	0.77	0.91	1.09	1.24	1.00	1.28	1.38	0.82	0.74	0.70	0.65	0.66	
5	0.76	0.89	1.30	1.24	0.97	1.30	1.51	0.81	0.74	0.69	0.65	0.65	
6	0.76	1.12	1.29	1.48	1.07	1.59	1.35	0.81	0.73	0.69	0.65	0.65	
7	0.76	0.89	1.57	1.45	1.60	1.57	1.27	0.80	0.73	0.69	0.65	0.65	
8	0.76	0.85	1.77	1.37	1.90	1.40	1.20	0.80	0.73	0.69	0.65	0.65	
9	0.76	0.83	1.29	1.47	2.34	1.36	1.16	0.80	0.73	0.69	0.65	0.65	
10	0.77	1.02	1.25	1.27	2.07	1.26	1.12	0.79	0.73	0.69	0.65	0.64	
11	0.76	0.96	1.66	1.18	2.79	1.27	1.09	0.79	0.73	0.69	0.64	0.64	
12	0.78	0.89	3.16	1.17	2.27	1.39	1.07	0.79	0.72	0.69	0.64	0.64	
13	0.81	0.87	4.91	1.26	1.67	1.69	1.05	0.78	0.72	0.69	0.64	0.64	
14	1.29	0.83	3.50	1.17	1.55	1.41	1.02	0.78	0.72	0.69	0.64	0.63	
15	1.06	0.82	2.22	1.10	1.50	1.35	0.99	0.78	0.72	0.68	0.64	0.63	
16	0.94	0.81	1.76	1.04	1.40	1.30	0.97	0.77	0.72	0.68	0.64	0.67	
17	0.90	0.80	1.63	1.01	1.34	1.24	0.95	0.77	0.72	0.68	0.64	0.70	
18	0.87	0.80	2.01	0.97	1.28	1.22	0.94	0.77	0.72	0.68	0.64	0.79	
19	0.84	1.02	1.63	0.95	1.27	1.12	0.93	0.77	0.71	0.68	0.63	0.72	
20	0.83	1.05	1.64	0.94	1.31	1.11	0.92	0.76	0.71	0.68	0.63	0.71	
21	0.87	0.93	1.64	0.94	1.33	1.08	0.91	0.76	0.71	0.68	0.64	0.70	
22	0.86	1.13	2.01	0.99	1.24	1.18	0.90	0.76	0.71	0.68	0.65	0.68	
23	0.90	2.56	1.63	1.00	1.20	1.21	0.89	0.76	0.71	0.67	0.65	0.67	
24	1.09	2.33	1.38	1.11	1.15	1.56	0.88	0.76	0.71	0.67	0.67	0.66	
25	0.97	1.45	1.26	1.02	1.13	2.23	0.87	0.75	0.71	0.67	0.76	0.66	
26	0.87	1.17	1.22	0.97	1.11	4.11	0.86	0.75	0.71	0.67	0.72	0.65	
27	0.87	1.07	1.16	0.95	1.09	2.90	0.86	0.75	0.71	0.67	0.69	0.65	
28	1.14	1.01	1.14	0.93	1.13	2.26	0.88	0.75	0.70	0.67	0.67	0.64	
29	1.02	0.98	1.20	0.97	1.16	2.29	0.87	0.75	0.70	0.66	0.66	0.64	
30	0.93	0.97	1.40	0.91	1.15	1.96	0.86	0.74	0.70	0.66		0.65	
31		0.95		0.89	1.10		0.85		0.70	0.66		0.66	
MEAN	0.87	1.05	1.70	1.13	1.39	1.58	1.06	0.78	0.72	0.68	0.66	0.66	
MAX	1.29	2.56	4.91	1.48	2.79	4.11	1.62	0.84	0.74	0.70	0.76	0.79	4.91
MIN	0.76	0.80	1.04	0.89	0.87	1.07	0.85	0.74	0.70	0.66	0.63	0.63	0.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.76 M (A.D), AT 8.00 HOURS, ON JUN 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.45 M (A.D)
LEFT BANK ELEVATION 11.26 M (A.D)
RIGHT BANK ELEVATION 10.34 M (A.D), DRAINAGE AREA 991 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	3.00	11.20	16.90	2.61	6.75	25.40	2.22	1.16	0.80	0.56	0.56	
2	1.43	2.74	6.75	12.10	5.25	10.60	19.30	2.09	1.16	0.80	0.56	0.56	
3	1.43	2.74	6.00	10.30	8.00	15.45	15.45	1.96	1.16	0.80	0.56	0.56	
4	1.43	3.20	7.25	11.20	5.00	12.40	15.80	1.96	1.16	0.80	0.50	0.56	
5	1.34	2.87	13.00	11.20	4.40	13.00	20.90	1.83	1.16	0.74	0.50	0.50	
6	1.34	8.00	12.70	19.70	6.75	24.10	14.75	1.83	1.07	0.74	0.50	0.50	
7	1.34	2.87	23.30	18.50	24.50	23.30	12.10	1.70	1.07	0.74	0.50	0.50	
8	1.34	2.35	32.50	15.45	39.00	16.50	10.00	1.70	1.07	0.74	0.50	0.50	
9	1.34	2.09	12.70	19.30	64.60	15.10	9.00	1.70	1.07	0.74	0.50	0.50	
10	1.43	5.50	11.50	12.10	48.20	11.80	8.00	1.61	1.07	0.74	0.50	0.44	
11	1.34	4.20	27.20	9.50	96.25	12.10	7.25	1.61	1.07	0.74	0.44	0.44	
12	1.52	2.87	125.80	9.25	60.20	16.15	6.75	1.61	0.98	0.74	0.44	0.44	
13	1.83	2.61	286.05	11.80	27.65	28.55	6.25	1.52	0.98	0.74	0.44	0.44	
14	12.70	2.09	153.50	9.25	22.50	16.90	5.50	1.52	0.98	0.74	0.44	0.38	
15	6.50	1.96	57.20	7.50	20.50	14.75	4.80	1.52	0.98	0.68	0.44	0.38	
16	3.80	1.83	32.00	6.00	16.50	13.00	4.40	1.43	0.98	0.68	0.44	0.62	
17	3.00	1.70	25.85	5.25	14.40	11.20	4.00	1.43	0.98	0.68	0.44	0.80	
18	2.61	1.70	44.60	4.40	12.40	10.60	3.80	1.43	0.98	0.68	0.44	1.61	
19	2.22	5.50	25.85	4.00	12.10	8.00	3.60	1.43	0.89	0.68	0.38	0.98	
20	2.09	6.25	26.30	3.80	13.35	7.75	3.40	1.34	0.89	0.68	0.38	0.89	
21	2.61	3.60	26.30	3.80	14.05	7.00	3.20	1.34	0.89	0.68	0.44	0.80	
22	2.48	8.25	44.60	4.80	11.20	9.50	3.00	1.34	0.89	0.68	0.50	0.68	
23	3.00	79.20	25.85	5.00	10.00	10.30	2.87	1.34	0.89	0.62	0.50	0.62	
24	7.25	63.95	15.80	7.75	8.75	22.90	2.74	1.34	0.89	0.62	0.62	0.56	
25	4.40	19.50	11.80	5.50	8.25	57.80	2.61	1.25	0.89	0.62	1.34	0.56	
26	2.61	9.25	10.60	4.40	7.75	208.45	2.48	1.25	0.89	0.62	0.98	0.50	
27	2.61	6.75	9.00	4.00	7.25	105.00	2.48	1.25	0.89	0.62	0.74	0.50	
28	8.50	5.25	8.50	3.60	8.25	59.60	2.74	1.25	0.80	0.62	0.62	0.44	
29	5.50	4.60	10.00	4.40	9.00	61.40	2.61	1.25	0.80	0.56	0.56	0.44	
30	3.60	4.40	16.50	3.20	8.75	42.00	2.48	1.16	0.80	0.56		0.50	
31		4.00		2.87	7.50		2.35		0.80	0.56		0.56	
TOTAL	94.02	273.82	1120.20	266.82	604.91	871.95	230.01	46.21	30.29	21.44	15.76	18.32	3593.75 CMSDAY
MEAN	3.13	8.83	37.34	8.61	19.51	29.06	7.42	1.54	0.98	0.69	0.54	0.59	9.82 CMS
MAX	12.70	79.20	286.05	19.70	96.25	208.45	25.40	2.22	1.16	0.80	1.34	1.61	286.05 CMS
MIN	1.34	1.70	6.00	2.87	2.61	6.75	2.35	1.16	0.80	0.56	0.38	0.38	0.38 CMS
RUNOFF	8.123	23.658	96.785	23.053	52.264	75.336	19.873	3.993	2.617	1.852	1.362	1.583	310.500 MCM

MOMENTARY PEAK 380.90 CMS, AT 5.76 M (A.D), AT 8.00 HOURS, ON JUN 13, 1979
RUNOFF YIELD 9.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 384.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

NAM LOEI NEAR BAN SAI KHAO, LOEI (KH.43A)

LOCATION — LAT. 17°-13'-30" N., LONG. 101°-41'-26" E., ON RIGHT BANK ABOUT 3 KILOMETERS UPSTREAM FROM KH.43 STATION NEAR BAN SAI KHAO, AMPHOE WANG SAPHUNG, LOEI.

DRAINAGE AREA — 790 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK UNDER TAMARIND TREE ALONG THE MEASURING LINE.

ELEVATION — +8.516 M. (A.D.)

GAGE READING FREQUENCY — 3-TIME DAILY READINGS AT 07.00, 12.00 AND 17.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1968 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968 - 1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968 - 1973

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1.006 DISCHARGE MEASUREMENTS MADE DURING 1968-1973.

REMARKS — NO GAGE HEIGHT RECORDS DURING FEB 14-MAR 31,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

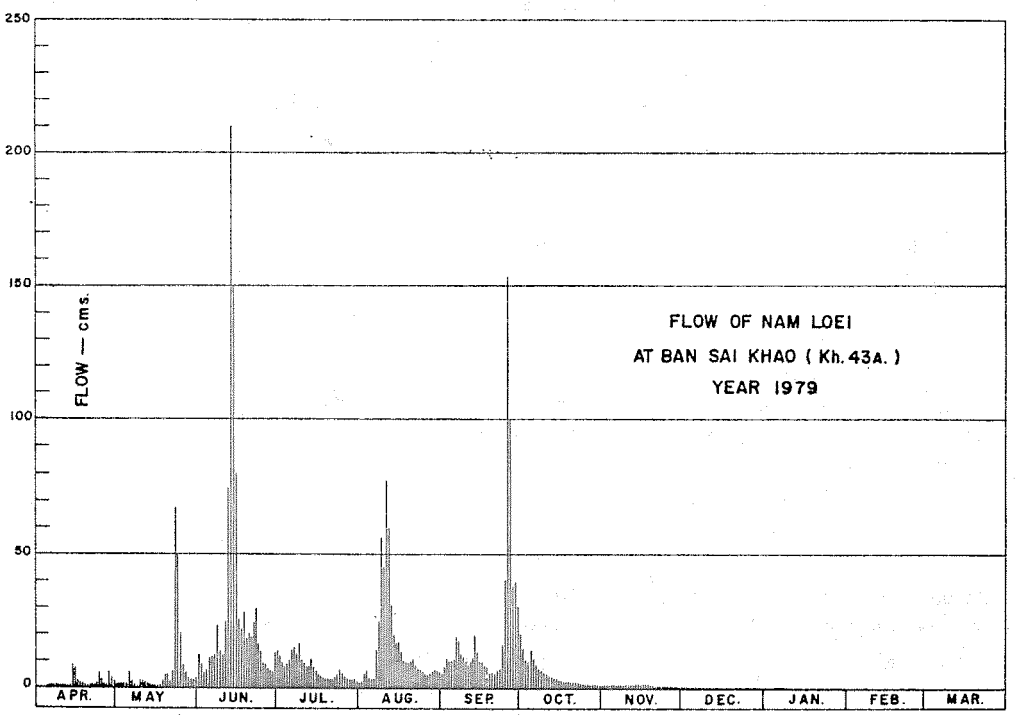
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	0.77	1.23	1.33	0.80	0.98	1.44	0.76	0.67	0.63	0.58	*******	
2	0.61	0.74	1.04	1.17	0.95	1.13	1.32	0.75	0.67	0.63	0.58	*******	
3	0.61	0.74	0.97	1.11	1.04	1.26	1.23	0.74	0.67	0.63	0.58	*******	
4	0.60	0.79	1.02	1.16	0.94	1.18	1.18	0.74	0.67	0.63	0.58	*******	
5	0.61	0.77	1.23	1.21	0.89	1.20	1.35	0.73	0.67	0.63	0.58	*******	
6	0.60	1.04	1.26	1.30	0.93	1.47	1.20	0.73	0.66	0.62	0.57	*******	
7	0.60	0.75	1.44	1.37	1.43	1.44	1.12	0.73	0.66	0.62	0.57	*******	
8	0.60	0.70	1.60	1.29	1.70	1.28	1.05	0.72	0.66	0.62	0.57	*******	
9	0.60	0.68	1.26	1.40	2.32	1.21	1.01	0.72	0.66	0.62	0.57	*******	
10	0.61	0.89	1.24	1.19	2.13	1.14	0.97	0.72	0.66	0.62	0.57	*******	
11	0.60	0.83	1.59	1.11	2.68	1.16	0.95	0.71	0.66	0.62	0.57	*******	
12	0.61	0.75	2.69	1.10	2.18	1.22	0.93	0.71	0.66	0.62	0.57	*******	
13	0.63	0.72	4.48	1.20	1.60	1.51	0.91	0.71	0.65	0.61	0.57	*******	
14	1.13	0.68	3.16	1.10	1.43	1.28	0.89	0.71	0.65	0.61	****	*******	
15	1.09	0.67	2.10	1.02	1.42	1.19	0.87	0.70	0.65	0.61	****	*******	
16	0.83	0.65	1.66	0.97	1.33	1.17	0.86	0.70	0.65	0.61	****	*******	
17	0.78	0.64	1.56	0.94	1.23	1.10	0.85	0.70	0.65	0.61	****	*******	
18	0.74	0.67	1.73	0.91	1.17	1.13	0.84	0.70	0.65	0.61	****	*******	
19	0.70	0.95	1.49	0.88	1.14	0.99	0.83	0.70	0.65	0.60	****	*******	
20	0.68	0.95	1.50	0.87	1.18	1.02	0.82	0.69	0.64	0.60	****	*******	
21	0.74	0.81	1.49	0.87	1.23	0.96	0.81	0.69	0.64	0.60	****	*******	
22	0.71	1.04	1.76	0.93	1.12	1.08	0.80	0.69	0.64	0.60	****	*******	
23	0.74	2.51	1.49	0.95	1.07	1.11	0.80	0.69	0.64	0.60	****	*******	
24	1.00	2.02	1.26	1.06	1.01	1.40	0.79	0.69	0.64	0.60	****	*******	
25	0.86	1.38	1.16	0.97	0.99	2.08	0.79	0.68	0.64	0.59	****	*******	
26	0.75	1.15	1.11	0.93	0.98	3.78	0.78	0.68	0.64	0.59	****	*******	
27	0.72	1.01	1.05	0.89	0.96	2.54	0.79	0.68	0.64	0.59	****	*******	
28	1.01	0.92	1.03	0.86	1.00	1.94	0.79	0.68	0.64	0.59	****	*******	
29	0.91	0.88	1.14	0.88	1.05	1.99	0.79	0.68	0.63	0.59	****	*******	
30	0.81	0.86	1.33	0.85	1.04	1.76	0.78	0.67	0.63	0.59		*******	
31		0.87		0.82	0.98		0.77		0.63	0.58		*******	
MEAN	0.74	0.93	1.57	1.05	1.29	1.42	0.95	0.71	0.65	0.61	****	*******	
MAX	1.13	2.51	4.48	1.40	2.68	3.78	1.44	0.76	0.67	0.63	0.58	*******	4.48
MIN	0.60	0.64	0.97	0.82	0.80	0.96	0.77	0.67	0.63	0.58	****	*******	****

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.54 M (A.D), AT 9.00 HOURS, ON JUN 13, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.18 M (A.D)

LEFT BANK ELEVATION — 8.46 M (A.D)

RIGHT BANK ELEVATION — 7.28 M (A.D), DRAINAGE AREA — 790 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	1.70	11.90	14.90	2.00	5.60	18.20	1.60	0.82	0.58	0.36	*******	
2	0.46	1.40	6.80	10.10	5.00	8.90	14.60	1.50	0.82	0.58	0.36	*******	
3	0.46	1.40	5.40	8.30	6.80	12.80	11.90	1.40	0.82	0.58	0.36	*******	
4	0.40	1.90	6.40	9.80	4.80	10.40	10.40	1.40	0.82	0.58	0.36	*******	
5	0.46	1.70	11.90	11.30	3.80	11.00	15.50	1.30	0.82	0.58	0.36	*******	
6	0.40	6.80	12.80	14.00	4.60	19.10	11.00	1.30	0.76	0.52	0.34	*******	
7	0.40	1.50	18.20	16.10	17.90	18.20	8.60	1.30	0.76	0.52	0.34	*******	
8	0.40	1.00	24.00	13.70	28.00	13.40	7.00	1.20	0.76	0.52	0.34	*******	
9	0.40	0.88	12.80	17.00	57.00	11.30	6.20	1.20	0.76	0.52	0.34	*******	
10	0.46	3.80	12.20	10.70	47.50	9.20	5.40	1.20	0.76	0.52	0.34	*******	
11	0.40	2.60	23.60	8.30	78.20	9.80	5.00	1.10	0.76	0.52	0.34	*******	
12	0.46	1.50	78.85	8.00	50.00	11.60	4.60	1.10	0.76	0.52	0.34	*******	
13	0.58	1.20	210.30	11.00	24.00	20.40	4.20	1.10	0.70	0.46	0.34	*******	
14	8.90	0.88	110.20	8.00	17.90	13.40	3.80	1.10	0.70	0.46	****	*******	
15	7.80	0.82	46.00	6.40	17.60	10.70	3.40	1.00	0.70	0.46	****	*******	
16	2.60	0.70	26.40	5.40	14.90	10.10	3.20	1.00	0.70	0.46	****	*******	
17	1.80	0.64	22.40	4.80	11.90	8.00	3.00	1.00	0.70	0.46	****	*******	
18	1.40	0.82	29.20	4.20	10.10	8.90	2.80	1.00	0.70	0.46	****	*******	
19	1.00	5.00	19.70	3.60	9.20	5.80	2.60	1.00	0.70	0.40	****	*******	
20	0.88	5.00	20.00	3.40	10.40	6.40	2.40	0.94	0.64	0.40	****	*******	
21	1.40	2.20	19.70	3.40	11.90	5.20	2.20	0.94	0.64	0.40	****	*******	
22	1.10	6.80	30.40	4.60	8.60	7.60	2.00	0.94	0.64	0.40	****	*******	
23	1.40	67.60	19.70	5.00	7.40	8.30	2.00	0.94	0.64	0.40	****	*******	
24	6.00	42.00	12.80	7.20	6.20	17.00	1.90	0.94	0.64	0.40	****	*******	
25	3.20	16.40	9.80	5.40	5.80	45.00	1.90	0.88	0.64	0.38	****	*******	
26	1.50	9.50	8.30	4.60	5.60	154.00	1.80	0.88	0.64	0.38	****	*******	
27	1.20	6.20	7.00	3.80	5.20	69.40	1.90	0.88	0.64	0.38	****	*******	
28	6.20	4.40	6.60	3.20	6.00	38.00	1.90	0.88	0.64	0.38	****	*******	
29	4.20	3.60	9.20	3.60	7.00	40.50	1.90	0.88	0.58	0.38	****	*******	
30	2.20	3.20	14.90	3.00	6.80	30.40	1.80	0.82	0.58	0.38		*******	
31		3.40		2.40	5.60		1.70		0.58	0.36		*******	
TOTAL	58.52	206.54	847.45	235.20	497.70	640.40	164.80	32.72	21.82	14.34	****	*******	****** CMSDAY
MEAN	1.95	6.66	28.25	7.59	16.05	21.35	5.32	1.09	0.70	0.46	****	*******	****** CMS
MAX	8.90	67.60	210.30	17.00	78.20	154.00	18.20	1.60	0.82	0.58	0.36	*******	210.30 CMS
MIN	0.40	0.64	5.40	2.40	2.00	5.20	1.70	0.82	0.58	0.36	****	*******	****** CMS
RUNOFF	5.056	17.845	73.220	20.321	43.001	55.331	14.239	2.827	1.885	1.239	****	*******	****** MCM

MOMENTARY PEAK 314.70 CMS, AT 5.54 M (A.D), AT 9.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 398.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

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

LOCATION — LAT. 17°-15'-53" N., LONG. 102°-35'-48" E., ON LEFT BANK AT THE BRIDGE OF UDON THANI-NONG BUA LAMPHU HIGHWAY, AMPHOE NONG WUA SO, UDON THANI.

DRAINAGE AREA — 436 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK UPSTREAM FROM THE GAGE SITE.

ELEVATION — +5.885 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

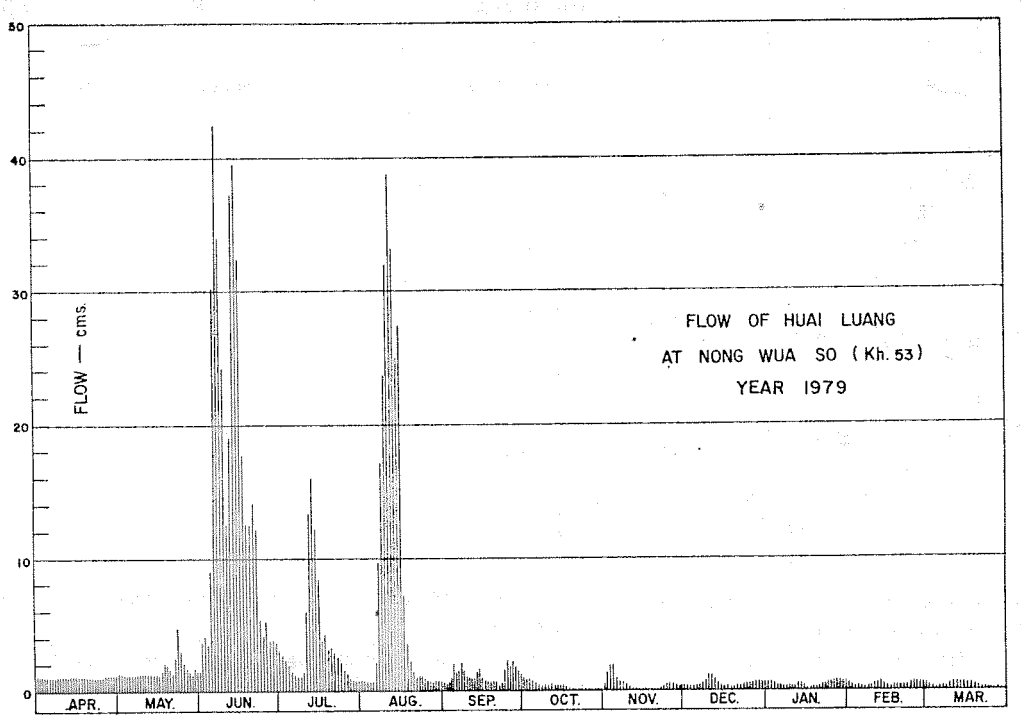
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 28 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.13	0.45	0.39	0.01	-0.03	0.08	0.13	-0.07	-0.02	-0.02	-0.05	
2	0.07	0.11	0.50	0.32	0.01	-0.02	0.05	0.20	-0.07	-0.02	-0.08	-0.05	
3	0.07	0.11	0.46	0.29	0.01	-0.05	0.05	0.22	-0.07	-0.03	-0.10	-0.05	
4	0.07	0.10	0.39	0.24	0.01	0.04	0.03	0.23	-0.08	-0.05	-0.10	-0.05	
5	0.07	0.10	1.16	0.14	0.01	0.23	0.01	0.04	-0.09	-0.06	-0.10	-0.05	
6	0.07	0.10	2.90	0.11	0.01	0.11	-0.03	0.01	-0.08	-0.08	-0.10	-0.05	
7	0.07	0.10	3.15	0.07	0.81	0.16	-0.05	-0.01	-0.06	-0.09	-0.10	-0.04	
8	0.07	0.10	2.77	0.06	1.66	0.24	-0.07	-0.08	-0.04	-0.08	-0.07	-0.04	
9	0.07	0.12	2.05	0.07	1.68	0.09	-0.07	-0.14	0.02	-0.08	-0.06	-0.04	
10	0.08	0.12	1.71	0.19	2.25	0.08	-0.08	-0.17	0.08	-0.07	-0.05	-0.04	
11	0.08	0.12	1.33	0.86	2.94	0.07	-0.09	-0.20	0.10	-0.05	-0.04	-0.04	
12	0.08	0.12	1.87	1.45	2.95	0.05	-0.10	-0.20	0.06	-0.04	-0.04	-0.04	
13	0.08	0.12	2.85	1.57	2.73	0.09	-0.11	-0.20	-0.02	-0.02	-0.04	-0.04	
14	0.07	0.12	2.98	1.34	2.17	0.18	-0.11	-0.20	-0.07	-0.05	-0.04	-0.04	
15	0.07	0.12	2.99	0.98	1.66	0.04	-0.12	-0.20	-0.08	-0.08	-0.04	-0.04	
16	0.07	0.12	2.41	0.73	1.14	0.03	-0.15	-0.20	-0.10	-0.09	-0.06	-0.06	
17	0.07	0.12	1.62	0.47	0.73	0.01	-0.15	-0.20	-0.12	-0.09	-0.06	-0.08	
18	0.07	0.25	1.33	0.52	0.46	0.01	-0.16	-0.20	-0.14	-0.09	-0.06	-0.10	
19	0.07	0.24	1.25	0.40	0.33	0.01	-0.17	-0.20	-0.12	-0.09	-0.06	-0.10	
20	0.07	0.14	1.36	0.43	0.22	0.01	-0.18	-0.20	-0.10	-0.09	-0.08	-0.10	
21	0.06	0.12	1.44	0.39	0.13	-0.02	-0.20	-0.16	-0.09	-0.09	-0.08	-0.08	
22	0.06	0.26	1.12	0.37	0.06	-0.07	-0.20	-0.15	-0.08	-0.06	-0.10	-0.08	
23	0.06	0.58	0.80	0.31	0.07	-0.05	-0.21	-0.08	-0.06	-0.03	-0.10	-0.06	
24	0.06	0.43	0.52	0.28	0.06	0.14	-0.21	-0.07	-0.04	-0.03	-0.11	-0.05	
25	0.07	0.28	0.62	0.17	0.02	0.24	-0.21	-0.05	-0.05	-0.03	-0.11	-0.05	
26	0.08	0.22	0.54	0.16	0.00	0.21	-0.22	-0.06	-0.04	-0.02	-0.09	-0.05	
27	0.10	0.17	0.49	0.06	0.00	0.24	-0.22	-0.07	-0.04	-0.02	-0.06	-0.05	
28	0.10	0.14	0.49	0.03	-0.01	0.20	-0.22	-0.07	-0.03	-0.02	-0.06	-0.05	
29	0.10	0.10	0.49	0.02	-0.01	0.16	-0.22	-0.07	-0.03	-0.02	-0.06	-0.05	
30	0.10	0.09	0.45	0.01	-0.01	0.12	-0.22	-0.07	-0.02	-0.02		-0.05	
31		0.13		0.01	-0.02		-0.22		-0.02	-0.02		-0.05	
MEAN	0.07	0.16	1.42	0.40	0.71	0.08	-0.12	-0.08	-0.05	-0.05	-0.07	-0.06	
MAX	0.10	0.58	3.15	1.57	2.95	0.24	0.08	0.23	0.10	-0.02	-0.02	-0.04	3.15
MIN	0.06	0.09	0.39	0.01	-0.02	-0.07	-0.22	-0.20	-0.14	-0.09	-0.11	-0.10	-0.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.30 M (A.D.), AT 1.00 HOURS, ON JUN 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED M (A.D.)
LEFT BANK ELEVATION 5.69 M (A.D.)
RIGHT BANK ELEVATION 5.34 M (A.D.), DRAINAGE AREA 436 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.05	1.38	3.55	3.03	0.75	0.56	1.10	1.38	0.38	0.61	0.61	0.47	
2	1.05	1.26	4.00	2.54	0.75	0.61	0.95	1.80	0.38	0.61	0.33	0.47	
3	1.05	1.26	3.64	2.34	0.75	0.47	0.95	1.92	0.38	0.56	0.24	0.47	
4	1.05	1.20	3.03	2.04	0.75	0.90	0.85	1.98	0.33	0.47	0.24	0.47	
5	1.05	1.20	10.76	1.44	0.75	1.98	0.75	0.90	0.29	0.42	0.24	0.47	
6	1.05	1.20	37.90	1.26	0.75	1.26	0.56	0.75	0.33	0.33	0.24	0.47	
7	1.05	1.20	42.55	1.05	6.91	1.56	0.47	0.65	0.42	0.29	0.24	0.52	
8	1.05	1.20	35.56	1.00	17.24	2.04	0.38	0.33	0.52	0.33	0.38	0.52	
9	1.05	1.32	23.20	1.05	17.52	1.15	0.38	0.14	0.80	0.33	0.42	0.52	
10	1.10	1.32	17.95	1.74	26.45	1.10	0.33	0.07	1.10	0.38	0.47	0.52	
11	1.10	1.32	12.76	7.46	38.62	1.05	0.29	0.00	1.20	0.47	0.52	0.52	
12	1.10	1.32	20.35	14.30	38.80	0.95	0.24	0.00	1.00	0.52	0.52	0.52	
13	1.10	1.32	37.00	15.98	34.84	1.15	0.22	0.00	0.61	0.61	0.52	0.52	
14	1.05	1.32	39.34	12.88	25.12	1.68	0.22	0.00	0.38	0.47	0.52	0.52	
15	1.05	1.32	39.52	8.78	17.24	0.90	0.19	0.00	0.33	0.33	0.52	0.52	
16	1.05	1.32	29.17	6.10	10.54	0.85	0.12	0.00	0.24	0.29	0.42	0.42	
17	1.05	1.32	16.68	3.73	6.10	0.75	0.12	0.00	0.19	0.29	0.42	0.33	
18	1.05	2.10	12.76	4.18	3.64	0.75	0.10	0.00	0.14	0.29	0.42	0.24	
19	1.05	2.04	11.80	3.10	2.61	0.75	0.07	0.00	0.19	0.29	0.42	0.24	
20	1.05	1.44	13.12	3.37	1.92	0.75	0.05	0.00	0.24	0.29	0.33	0.24	
21	1.00	1.32	14.16	3.03	1.38	0.61	0.00	0.10	0.29	0.29	0.33	0.33	
22	1.00	2.16	10.32	2.89	1.00	0.38	0.00	0.12	0.33	0.42	0.24	0.33	
23	1.00	4.72	6.80	2.47	1.05	0.47	0.00	0.33	0.42	0.56	0.24	0.42	
24	1.00	3.37	4.18	2.28	1.00	1.44	0.00	0.38	0.52	0.56	0.22	0.47	
25	1.05	2.28	5.08	1.62	0.80	2.04	0.00	0.47	0.47	0.56	0.22	0.47	
26	1.10	1.92	4.36	1.56	0.70	1.86	0.00	0.42	0.52	0.61	0.29	0.47	
27	1.20	1.62	3.91	1.00	0.70	2.04	0.00	0.38	0.52	0.61	0.42	0.47	
28	1.20	1.44	3.91	0.85	0.65	1.80	0.00	0.38	0.56	0.61	0.42	0.47	
29	1.20	1.20	3.91	0.80	0.65	1.56	0.00	0.38	0.56	0.61	0.42	0.47	
30	1.20	1.15	3.55	0.75	0.65	1.32	0.00	0.38	0.61	0.61		0.47	
31		1.38		0.75	0.61		0.00		0.61	0.61		0.47	
TOTAL	32.15	49.92	474.82	115.37	261.24	34.73	8.34	13.26	14.86	14.23	10.82	13.81	1043.55 CMSDAY
MEAN	1.07	1.61	15.83	3.72	8.43	1.16	0.27	0.44	0.48	0.46	0.37	0.45	2.85 CMS
MAX	1.20	4.72	42.55	15.98	38.80	2.04	1.10	1.98	1.20	0.61	0.61	0.52	42.55 CMS
MIN	1.00	1.15	3.03	0.75	0.61	0.38	0.00	0.00	0.14	0.29	0.22	0.24	0.00 CMS
RUNOFF	2.778	4.313	41.024	9.968	22.571	3.001	0.721	1.146	1.284	1.229	0.935	1.193	90.163 MCM

MOMENTARY PEAK 45.40 CMS, AT 3.30 M (A.D), AT 1.00 HOURS, ON JUN 7, 1979
RUNOFF YIELD 6.54 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 104.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KHONG RIVER BASIN

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

LOCATION — LAT. 17°-30'-13" N., LONG. 101°-37'-35" E., ON LEFT BANK AT BAN PONG BIA, TAMBON NAM MAN, AMPHOE MUANG, LOEI.

DRAINAGE AREA — 79.50 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE OBSERVER'S HOUSE.

ELEVATION — +12.895 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

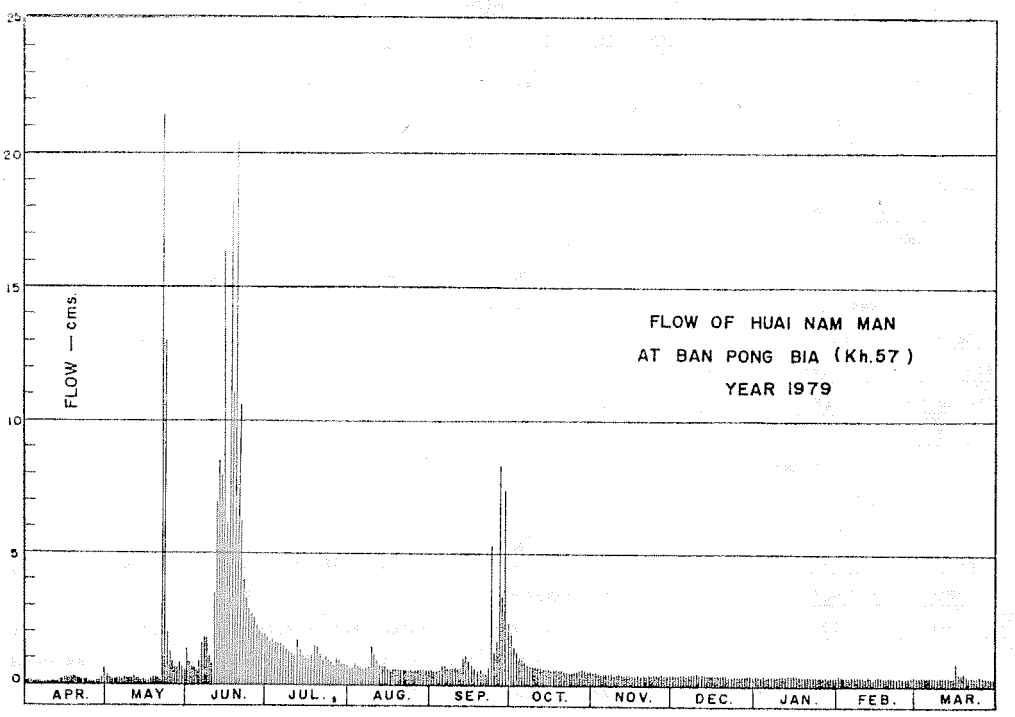
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 71 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.62	0.74	0.79	0.65	0.63	0.80	0.62	0.60	0.56	0.55	0.56	
2	0.47	0.55	0.66	0.77	0.65	0.62	0.75	0.61	0.60	0.55	0.55	0.56	
3	0.47	0.52	0.65	0.77	0.68	0.62	0.73	0.61	0.60	0.55	0.55	0.56	
4	0.47	0.51	0.64	0.76	0.65	0.63	0.70	0.61	0.60	0.55	0.55	0.55	
5	0.46	0.51	0.65	0.75	0.64	0.66	0.69	0.61	0.60	0.55	0.55	0.55	
6	0.46	0.56	0.76	0.75	0.64	0.65	0.68	0.61	0.60	0.55	0.55	0.55	
7	0.46	0.51	0.79	0.75	0.65	0.64	0.67	0.61	0.60	0.56	0.55	0.55	
8	0.46	0.56	0.78	0.73	0.65	0.63	0.65	0.61	0.60	0.56	0.55	0.55	
9	0.46	0.52	0.70	0.73	0.76	0.65	0.65	0.61	0.60	0.56	0.55	0.55	
10	0.46	0.56	0.67	0.72	0.72	0.64	0.65	0.61	0.60	0.56	0.55	0.55	
11	0.46	0.57	0.90	0.71	0.70	0.64	0.64	0.61	0.60	0.56	0.55	0.55	
12	0.47	0.56	1.13	0.78	0.67	0.66	0.64	0.60	0.60	0.56	0.55	0.54	
13	0.47	0.52	1.22	0.74	0.66	0.72	0.64	0.60	0.59	0.56	0.55	0.55	
14	0.50	0.50	1.19	0.71	0.66	0.72	0.63	0.60	0.59	0.56	0.55	0.55	
15	0.53	0.49	1.58	0.71	0.64	0.68	0.63	0.60	0.58	0.56	0.55	0.56	
16	0.54	0.48	1.14	0.70	0.64	0.67	0.63	0.60	0.58	0.56	0.55	0.69	
17	0.54	0.49	0.98	0.74	0.64	0.65	0.63	0.60	0.58	0.56	0.55	0.60	
18	0.58	0.54	1.66	0.72	0.64	0.63	0.63	0.60	0.58	0.55	0.55	0.59	
19	0.55	0.59	1.11	0.76	0.64	0.63	0.63	0.60	0.58	0.55	0.55	0.58	
20	0.52	0.54	1.76	0.74	0.64	0.62	0.62	0.60	0.58	0.55	0.55	0.57	
21	0.50	0.51	1.11	0.72	0.64	0.62	0.62	0.60	0.57	0.55	0.55	0.56	
22	0.51	0.52	0.97	0.70	0.64	0.61	0.62	0.60	0.51	0.55	0.55	0.56	
23	0.51	1.79	0.93	0.72	0.63	0.68	0.62	0.60	0.57	0.55	0.56	0.56	
24	0.48	0.82	0.89	0.69	0.63	1.04	0.62	0.60	0.56	0.54	0.56	0.56	
25	0.43	0.73	0.87	0.69	0.63	0.73	0.62	0.60	0.56	0.54	0.56	0.56	
26	0.45	0.69	0.86	0.67	0.63	0.77	0.63	0.60	0.56	0.54	0.56	0.56	
27	0.47	0.66	0.82	0.71	0.64	1.21	0.63	0.60	0.56	0.54	0.56	0.56	
28	0.47	0.65	0.81	0.68	0.63	0.92	0.63	0.60	0.56	0.54	0.56	0.55	
29	0.48	0.66	0.80	0.67	0.63	1.16	0.63	0.60	0.56	0.54	0.56	0.54	
30	0.65	0.65	0.80	0.66	0.63	0.86	0.62	0.60	0.55	0.55		0.55	
31		0.63		0.65	0.63		0.62		0.55	0.55		0.58	
MEAN	0.49	0.61	0.95	0.72	0.65	0.72	0.65	0.60	0.58	0.55	0.55	0.56	
MAX	0.65	1.79	1.76	0.79	0.76	1.21	0.80	0.62	0.60	0.56	0.56	0.69	1.79
MIN	0.43	0.48	0.64	0.65	0.63	0.61	0.62	0.60	0.51	0.54	0.55	0.54	0.43

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.39 M (A.D), AT 7.00 HOURS, ON MAY 23, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 79 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.52	1.40	1.90	0.70	0.58	2.00	0.52	0.40	0.32	0.30	0.32	
2	0.14	0.30	0.76	1.70	0.70	0.52	1.50	0.46	0.40	0.30	0.30	0.32	
3	0.14	0.24	0.70	1.70	0.88	0.52	1.30	0.46	0.40	0.30	0.30	0.32	
4	0.14	0.22	0.64	1.60	0.70	0.58	1.00	0.46	0.40	0.30	0.30	0.30	
5	0.12	0.22	0.70	1.50	0.64	0.76	0.94	0.46	0.40	0.30	0.30	0.30	
6	0.12	0.32	1.60	1.50	0.64	0.70	0.88	0.46	0.40	0.30	0.30	0.30	
7	0.12	0.22	1.90	1.50	0.70	0.64	0.82	0.46	0.40	0.32	0.30	0.30	
8	0.12	0.32	1.80	1.30	0.70	0.58	0.70	0.46	0.40	0.32	0.30	0.30	
9	0.12	0.24	1.00	1.30	1.60	0.70	0.70	0.46	0.40	0.32	0.30	0.30	
10	0.12	0.32	0.82	1.20	1.20	0.64	0.70	0.46	0.40	0.32	0.30	0.30	
11	0.12	0.34	3.00	1.10	1.00	0.64	0.64	0.46	0.40	0.32	0.30	0.30	
12	0.14	0.32	6.94	1.80	0.82	0.76	0.64	0.40	0.40	0.32	0.30	0.28	
13	0.14	0.24	8.60	1.40	0.76	1.20	0.64	0.40	0.38	0.32	0.30	0.30	
14	0.20	0.20	8.02	1.10	0.76	1.20	0.58	0.40	0.38	0.32	0.30	0.30	
15	0.26	0.18	16.34	1.10	0.64	0.88	0.58	0.40	0.36	0.32	0.30	0.32	
16	0.28	0.16	7.12	1.00	0.64	0.82	0.58	0.40	0.36	0.32	0.30	0.94	
17	0.28	0.18	4.36	1.40	0.64	0.70	0.58	0.40	0.36	0.32	0.30	0.40	
18	0.36	0.28	18.24	1.20	0.64	0.58	0.58	0.40	0.36	0.30	0.30	0.38	
19	0.30	0.38	6.58	1.60	0.64	0.58	0.58	0.40	0.36	0.30	0.30	0.36	
20	0.24	0.28	20.70	1.40	0.64	0.52	0.52	0.40	0.36	0.30	0.30	0.34	
21	0.20	0.22	6.58	1.20	0.64	0.52	0.52	0.40	0.34	0.30	0.30	0.32	
22	0.22	0.24	4.19	1.00	0.64	0.46	0.52	0.40	0.22	0.30	0.30	0.32	
23	0.22	21.45	3.51	1.20	0.58	0.88	0.52	0.40	0.34	0.30	0.32	0.32	
24	0.16	2.20	2.90	0.94	0.58	5.38	0.52	0.40	0.32	0.28	0.32	0.32	
25	0.06	1.30	2.70	0.94	0.58	1.30	0.52	0.40	0.32	0.28	0.32	0.32	
26	0.10	0.94	2.60	0.82	0.58	1.70	0.58	0.40	0.32	0.28	0.32	0.32	
27	0.14	0.76	2.20	1.10	0.64	8.40	0.58	0.40	0.32	0.28	0.32	0.32	
28	0.14	0.70	2.10	0.88	0.58	3.34	0.58	0.40	0.32	0.28	0.32	0.30	
29	0.16	0.76	2.00	0.82	0.58	7.48	0.58	0.40	0.32	0.28	0.32	0.28	
30	0.70	0.70	2.00	0.76	0.58	2.60	0.52	0.40	0.30	0.30		0.30	
31		0.58		0.70	0.58		0.52		0.30	0.30		0.36	
TOTAL	5.70	35.33	142.00	38.66	22.20	46.16	22.42	12.72	11.14	9.42	8.84	10.46	365.05 CMSDAY
MEAN	0.19	1.14	4.73	1.25	0.72	1.54	0.72	0.42	0.36	0.30	0.30	0.34	1.00 CMS
MAX	0.70	21.45	20.70	1.90	1.60	8.40	2.00	0.52	0.40	0.32	0.32	0.94	21.45 CMS
MIN	0.06	0.16	0.64	0.70	0.58	0.46	0.52	0.40	0.22	0.28	0.30	0.28	0.06 CMS
RUNOFF	0.492	3.053	12.269	3.340	1.918	3.988	1.937	1.099	0.962	0.814	0.764	0.904	31.540 MCM

MOMENTARY PEAK 69.86 CMS, AT 3.39 M (A.D), AT 7.00 HOURS, ON MAY 23, 1979

RUNOFF YIELD 12.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 884.30 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

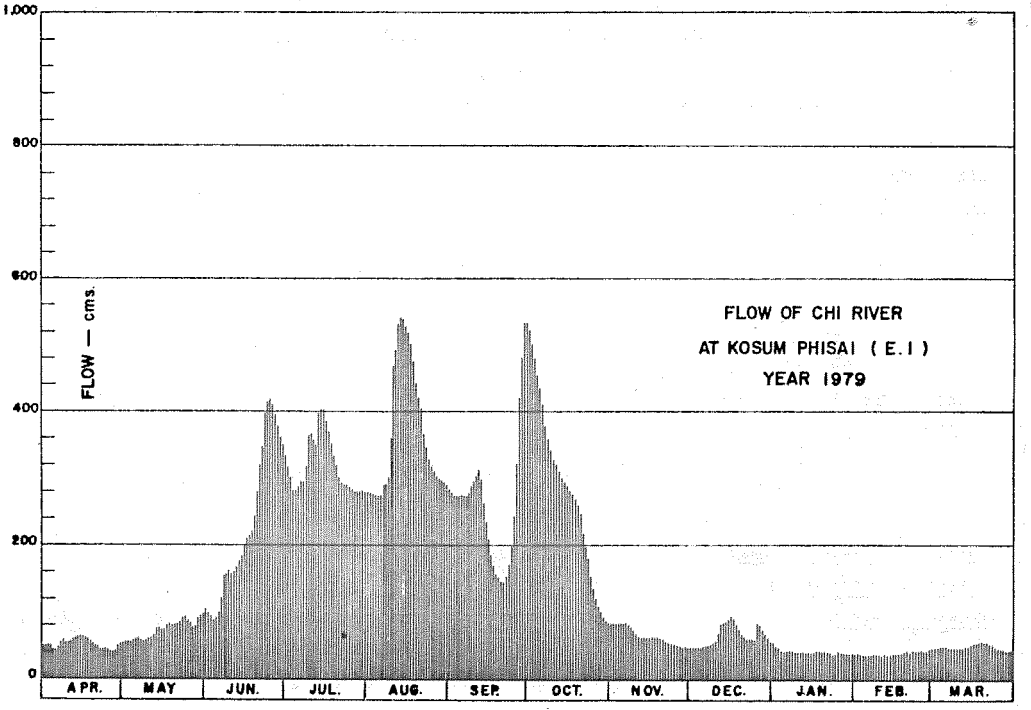
CHI RIVER AT KOSUM PHISAI, MAHA SARAKHAM (E.1)

LOCATION	LAT. 16°-15'-02" N., LONG. 103°-04'-25" E., ON RIGHT BANK ABOUT 800 METERS NORTH-EAST OF AMPHOE KOSUM PHISAI OFFICE, MAHA SARAKHAM.
DRAINAGE AREA	29,788 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+136.64 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK ABOUT 5 METERS FROM THE GAGE SITE.
ELEVATION	+149.116 M. (M.S.L.)
GAGE READING FREQUENCY	3-TIME DAILY READINGS AT 07.00, 12.00 AND 17.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 3 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1936-1943, 1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1973
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 302 DISCHARGE MEASUREMENTS MADE DURING 1965-1973. FLOW REGULATED BY NAM PHONG DAM AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	138.03	138.14	139.00	142.09	141.47	141.50	144.27	138.65	137.99	138.08	137.78	137.95	
2	138.04	138.14	138.96	141.91	141.47	141.44	144.13	138.65	137.98	137.92	137.74	138.00	
3	138.06	138.12	138.82	141.73	141.47	141.42	143.94	138.65	137.98	137.90	137.74	137.99	
4	138.03	138.16	138.74	141.52	141.43	141.41	143.64	138.65	137.98	137.88	137.73	138.00	
5	137.91	138.22	138.80	141.54	141.42	141.43	143.32	138.66	137.99	137.85	137.72	138.02	
6	137.97	138.24	138.95	141.65	141.44	141.45	143.26	138.72	138.00	137.85	137.72	138.01	
7	138.09	138.20	139.41	141.72	141.57	141.44	142.76	138.66	138.02	137.85	137.77	137.99	
8	138.18	138.15	139.82	141.68	141.64	141.45	142.54	138.59	138.04	137.85	137.79	137.96	
9	138.13	138.14	139.89	142.24	141.77	141.56	142.34	138.54	138.08	137.85	137.76	137.94	
10	138.11	138.19	139.93	142.51	142.36	141.69	142.18	138.34	138.17	137.85	137.74	137.93	
11	138.17	138.26	139.87	142.52	143.64	141.81	142.06	138.30	138.20	137.85	137.73	137.94	
12	138.22	138.27	139.91	142.34	143.94	141.90	141.94	138.27	138.65	137.84	137.75	137.94	
13	138.29	138.42	139.99	142.83	144.30	141.78	141.84	138.27	138.69	137.83	137.74	137.96	
14	138.31	138.61	140.15	142.95	144.41	141.38	141.73	138.28	138.71	137.82	137.73	137.99	
15	138.31	138.55	140.33	142.96	144.31	140.85	141.65	138.28	138.77	137.81	137.78	138.02	
16	138.26	138.48	140.51	142.85	144.18	140.45	141.57	138.29	138.88	137.82	137.79	138.09	
17	138.22	138.60	140.63	142.68	144.09	140.15	141.46	138.27	138.85	137.86	137.79	138.09	
18	138.21	138.63	140.68	142.42	143.82	139.92	141.43	138.26	138.70	137.89	137.83	138.12	
19	138.16	138.64	140.83	142.19	143.51	139.82	141.34	138.25	138.60	137.88	137.84	138.14	
20	138.06	138.64	141.29	142.05	143.28	139.74	141.19	138.24	138.36	137.86	137.84	138.13	
21	138.02	138.64	141.87	141.79	143.06	139.71	140.94	138.20	138.26	137.82	137.83	138.10	
22	137.92	138.65	142.39	141.69	142.75	139.77	140.55	138.15	138.24	137.79	137.84	138.06	
23	137.93	138.80	142.81	141.64	142.37	139.92	140.17	138.12	138.24	137.78	137.84	138.04	
24	137.94	138.87	143.06	141.62	142.19	140.20	139.91	138.10	138.22	137.78	137.87	137.98	
25	137.92	138.79	143.11	141.60	142.05	140.92	139.64	138.06	138.22	137.86	137.92	137.93	
26	137.88	138.69	143.04	141.55	141.91	141.86	139.37	138.04	138.69	137.83	137.91	137.91	
27	137.83	138.61	142.88	141.49	141.83	142.82	139.15	138.03	138.62	137.80	137.90	137.89	
28	137.86	138.62	142.70	141.49	141.76	143.69	138.98	138.02	138.36	137.78	137.90	137.88	
29	138.06	138.82	142.52	141.49	141.71	144.14	138.89	138.01	138.32	137.79	137.92	137.89	
30	138.11	138.88	142.33	141.48	141.68	144.31	138.76	138.00	138.22	137.83		137.89	
31		138.91		141.48	141.62		138.66		138.14	137.81		137.89	
MEAN	138.07	138.49	140.77	141.99	142.53	141.33	141.41	138.32	138.33	137.85	137.80	137.99	
MAX	138.31	138.91	143.11	142.96	144.41	144.31	144.27	138.72	138.88	138.08	137.92	138.14	144.41
MIN	137.83	138.12	138.74	141.48	141.42	139.71	138.66	138.00	137.98	137.78	137.72	137.88	137.72

ANNUAL MAX MOMENTARY GAGE HEIGHT 144.42 M (MSL), AT 17.00 HOURS, ON AUG 14, 1979
ZERO GAGE AT BOTTOM ELEVATION 136.64 M (MSL), RIVER BED 136.40 M (MSL)
LEFT BANK ELEVATION 147.17 M (MSL)
RIGHT BANK ELEVATION 149.20 M (MSL), DRAINAGE AREA 29788 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	51.5	57.0	103.0	329.7	278.6	281.0	531.0	82.8	49.5	54.0	39.2	47.5	
2	52.0	57.0	100.6	314.3	278.6	276.2	517.0	82.8	49.0	46.0	37.6	50.0	
3	53.0	56.0	92.2	299.4	278.6	274.6	498.0	82.8	49.0	45.0	37.6	49.5	
4	51.5	58.0	87.7	282.6	275.4	273.8	468.3	82.8	49.0	44.0	37.2	50.0	
5	45.5	61.0	91.0	284.2	274.6	275.4	438.8	83.3	49.5	42.5	36.8	51.0	
6	48.5	62.0	100.0	293.0	276.2	277.0	433.4	86.6	50.0	42.5	36.8	50.5	
7	54.5	60.0	128.1	298.6	286.6	276.2	388.4	83.3	51.0	42.5	38.8	49.5	
8	59.0	57.5	155.4	295.4	292.2	277.0	368.6	79.5	52.0	42.5	39.6	48.0	
9	56.5	57.0	160.3	342.4	302.6	285.8	350.9	77.0	54.0	42.5	38.4	47.0	
10	55.5	59.5	163.1	365.9	352.6	296.2	337.3	67.0	58.5	42.5	37.6	46.5	
11	58.5	63.0	158.9	366.8	468.3	305.9	327.1	65.0	60.0	42.5	37.2	47.0	
12	61.0	63.5	161.7	350.9	498.0	313.5	316.9	63.5	92.8	42.0	38.0	47.0	
13	64.5	71.0	167.3	394.7	534.0	303.4	308.4	63.5	84.9	41.5	37.6	48.0	
14	65.5	80.6	178.5	405.5	545.2	271.4	299.4	64.0	86.1	41.0	37.2	49.5	
15	65.5	77.5	191.1	406.4	535.0	229.0	293.0	64.0	89.4	40.5	39.2	51.0	
16	63.0	74.0	203.7	396.5	522.0	199.5	286.6	64.5	95.8	41.0	39.6	54.5	
17	61.0	80.0	212.1	381.2	513.0	178.5	277.8	63.5	94.0	43.0	39.6	54.5	
18	60.5	81.6	215.6	357.8	486.0	162.4	275.4	63.0	85.5	44.5	41.5	56.0	
19	58.0	82.2	227.4	338.1	455.9	155.4	268.2	62.5	80.0	44.0	42.0	57.0	
20	53.0	82.2	264.2	326.2	435.2	149.8	256.2	62.0	68.0	43.0	42.0	56.5	
21	51.0	82.2	311.0	304.2	415.4	147.7	236.2	60.0	63.0	41.0	41.5	55.0	
22	46.0	82.8	355.1	296.2	387.5	151.9	206.5	57.5	62.0	39.6	42.0	53.0	
23	46.5	91.0	392.9	292.2	353.5	162.4	179.9	56.0	62.0	39.2	42.0	52.0	
24	47.0	95.2	415.4	290.6	338.1	182.0	161.7	55.0	61.0	39.2	43.5	49.0	
25	46.0	90.4	419.9	289.0	326.2	234.6	143.1	53.0	61.0	43.0	46.0	46.5	
26	44.0	84.9	413.6	285.0	314.3	310.1	125.6	52.0	84.9	41.5	45.5	45.5	
27	41.5	80.6	399.2	280.2	307.5	393.8	112.0	51.5	91.1	40.0	45.0	44.5	
28	43.0	81.1	383.0	280.2	301.8	473.0	101.8	51.0	68.0	39.2	45.0	44.0	
29	53.0	92.2	366.8	280.2	297.8	518.0	96.4	50.5	66.0	39.6	46.0	44.5	
30	55.5	95.8	350.0	279.4	295.4	535.0	88.8	50.0	61.0	41.5		44.5	
31		97.6		279.4	290.6		83.3		57.0	40.5		44.5	
TOTAL	1611.5	2314.4	6968.8	9986.2	11516.7	8170.5	8776.0	1979.9	2065.0	1311.3	1170.0	1533.5	57403.7 CMSDAY
MEAN	53.7	74.7	232.3	322.1	371.5	272.3	283.1	66.0	66.6	42.3	40.3	49.5	156.8 CMS
MAX	65.5	97.6	419.9	406.4	545.2	535.0	531.0	86.6	95.8	54.0	46.0	57.0	545.2 CMS
MIN	41.5	56.0	87.7	279.4	274.6	147.7	83.3	50.0	49.0	39.2	36.8	44.0	36.8 CMS
RUNOFF	139.23	199.96	602.10	862.81	995.04	705.93	758.24	171.06	178.42	113.30	101.09	132.49	4959.68 MCM

MOMENTARY PEAK 546.40 CMS, AT 144.42 M (MSL), AT 17.00 HOURS, ON AUG 14, 1979

RUNOFF YIELD 5.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 18.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

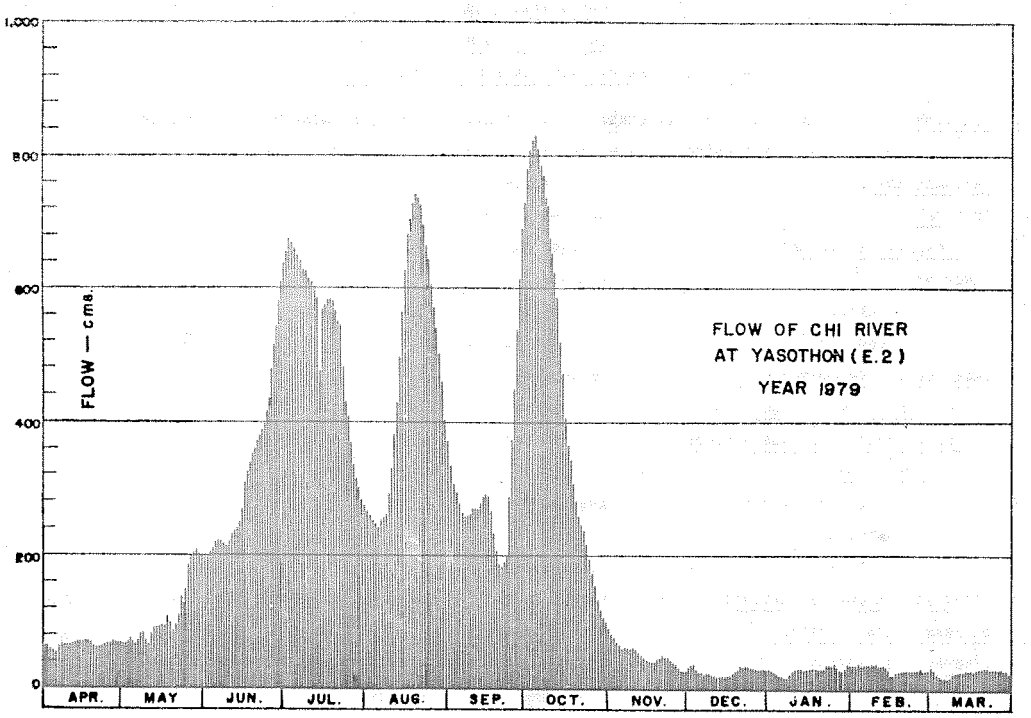
CHI RIVER AT YASOTHON, YASOTHON (E.2)

LOCATION	LAT. 15°-47'-06" N., LONG. 104°-08'-36" E., ON LEFT BANK ABOUT 1.9 KILOMETERS SOUTH OF AMPHOE MUANG OFFICE, YASOTHON.
DRAINAGE AREA	47.391 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+117.00 M. (M.S.L.)
BENCH MARK	B.M.-R.I.D.7
LOCATION	ABOUT 15 METERS EAST OF THE POST OFFICE.
ELEVATION	+126.972 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	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1951
RATED BY FLOAT	-
RATED BY CURRENT METER	1951
STABILITY OF CHANNEL REGIMES	STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 248 DISCHARGE MEASUREMENTS MADE IN 1951. FLOW REGULATED BY NAM PHONG DAM AND LAMPAO DAM AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	119.76	119.76	121.39	124.92	122.13	122.92	125.48	120.07	119.05	119.09	119.27	119.20	
2	119.74	119.79	121.42	125.01	122.05	122.68	125.60	119.96	119.05	119.02	119.27	118.98	
3	119.71	119.86	121.47	125.04	121.98	122.45	125.65	119.85	119.04	118.95	119.27	118.88	
4	119.58	119.91	121.57	125.01	121.92	122.30	125.65	119.80	119.01	118.89	119.27	118.77	
5	119.56	119.85	121.62	124.96	121.86	122.15	125.60	119.75	118.98	118.85	119.27	118.72	
6	119.65	119.81	121.64	124.90	121.94	122.06	125.53	119.71	118.96	118.82	119.27	118.70	
7	119.74	119.94	121.62	124.85	121.96	122.02	125.48	119.70	118.94	118.78	119.26	118.70	
8	119.77	120.05	121.57	124.79	122.02	121.99	125.38	119.69	118.93	118.86	119.25	118.78	
9	119.76	119.99	121.54	124.79	122.34	122.02	125.25	119.70	118.91	119.02	119.25	118.92	
10	119.76	119.88	121.62	124.73	122.72	122.05	125.06	119.70	118.88	119.10	119.25	118.97	
11	119.78	119.88	121.74	124.69	123.13	122.08	124.84	119.67	118.85	119.13	119.25	119.01	
12	119.80	120.08	121.81	124.66	123.55	122.12	124.57	119.59	118.85	119.13	119.24	119.03	
13	119.80	120.12	121.85	124.56	124.06	122.18	124.28	119.51	118.85	119.13	119.21	119.03	
14	119.81	120.15	121.98	124.49	124.55	122.26	123.94	119.45	118.85	119.13	119.20	119.02	
15	119.81	120.18	122.23	124.46	124.83	122.34	123.58	119.40	118.85	119.13	119.02	119.02	
16	119.84	120.20	122.49	124.48	125.10	122.34	123.22	119.37	118.85	119.13	118.90	119.03	
17	119.86	120.26	122.67	124.52	125.22	122.21	122.90	119.35	118.86	119.13	118.99	119.04	
18	119.84	120.29	122.78	124.54	125.32	121.97	122.61	119.38	118.96	119.13	119.05	119.06	
19	119.82	120.22	122.92	124.53	125.35	121.71	122.34	119.44	119.10	119.11	119.09	119.08	
20	119.71	120.17	122.98	124.45	125.34	121.46	122.14	119.50	119.20	119.15	119.07	119.10	
21	119.66	120.25	123.08	124.30	125.29	121.25	121.97	119.50	119.24	119.19	119.06	119.11	
22	119.70	120.41	123.16	124.31	125.20	121.27	121.81	119.47	119.23	119.24	119.06	119.10	
23	119.74	120.61	123.25	123.89	125.08	121.38	121.68	119.42	119.20	119.25	119.06	119.10	
24	119.76	120.85	123.40	123.64	124.91	121.90	121.52	119.41	119.18	119.27	119.07	119.09	
25	119.78	121.11	123.63	123.35	124.71	122.63	121.32	119.32	119.15	119.24	119.08	119.09	
26	119.79	121.31	124.00	123.05	124.49	123.35	121.11	119.16	119.11	119.10	119.09	119.08	
27	119.84	121.43	124.26	122.78	124.27	124.15	120.88	119.08	119.08	118.97	119.09	119.07	
28	119.84	121.48	124.49	122.57	124.00	124.68	120.68	119.03	119.09	119.05	119.09	119.05	
29	119.80	121.48	124.68	122.42	123.72	125.08	120.49	119.04	119.11	119.17	119.08	119.03	
30	119.77	121.42	124.82	122.28	123.41	125.32	120.32	119.07	119.10	119.26		119.00	
31		121.38		122.21	123.18		120.19		119.10	119.26		118.88	
MEAN	119.76	120.39	122.59	124.17	123.73	122.48	123.26	119.50	119.02	119.09	119.15	118.99	
MAX	119.86	121.48	124.82	125.04	125.35	125.32	125.65	120.07	119.24	119.27	119.27	119.20	125.65
MIN	119.56	119.76	121.39	122.21	121.86	121.25	120.19	119.03	118.85	118.78	118.90	118.70	118.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 125.66 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 117.00 M (MSL), RIVER BED 117.86 M (MSL)
LEFT BANK ELEVATION 126.02 M (MSL)
RIGHT BANK ELEVATION 126.20 M (MSL), DRAINAGE AREA 47391 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	65.2	65.2	198.1	650.8	272.3	361.4	778.4	86.9	27.2	28.8	36.8	33.5	
2	63.8	67.3	201.0	668.0	264.0	332.8	812.0	79.2	27.2	26.1	36.8	24.6	
3	61.7	72.2	206.0	674.0	257.0	307.5	827.0	71.5	26.9	23.4	36.8	20.9	
4	53.8	75.7	216.0	668.0	251.0	291.0	827.0	68.0	25.7	21.2	36.8	17.3	
5	52.6	71.5	221.0	658.4	245.0	274.5	812.0	64.5	24.6	19.9	36.8	15.7	
6	58.0	68.7	223.0	647.0	253.0	265.0	792.4	61.7	23.8	18.9	36.8	15.1	
7	63.8	77.8	221.0	638.0	255.0	261.0	778.4	61.0	23.1	17.6	36.3	15.1	
8	65.9	85.5	216.0	627.3	261.0	258.0	750.8	60.4	22.7	20.2	35.9	17.6	
9	65.2	81.3	213.0	627.3	295.4	261.0	719.0	61.0	22.0	26.1	35.9	22.3	
10	65.2	73.6	221.0	617.1	337.4	264.0	678.0	61.0	20.9	29.2	35.9	24.2	
11	66.6	73.6	233.0	610.3	386.6	267.0	636.2	59.2	19.9	30.5	35.9	25.7	
12	68.0	87.6	240.0	605.2	440.5	271.2	589.9	54.4	19.9	30.5	35.4	26.5	
13	68.0	90.4	244.0	588.2	511.0	277.8	544.0	49.6	19.9	30.5	34.0	26.5	
14	68.7	92.5	257.0	576.4	586.5	286.6	493.6	46.0	19.9	30.5	33.5	26.1	
15	68.7	94.6	283.3	571.6	634.4	295.4	444.4	43.0	19.9	30.5	26.1	26.1	
16	70.8	96.0	311.9	574.8	686.0	295.4	397.6	41.6	19.9	30.5	21.6	26.5	
17	72.2	100.8	331.7	581.4	712.4	281.1	359.0	40.6	20.2	30.5	24.9	26.9	
18	70.8	103.2	344.6	584.8	735.2	256.0	325.1	42.0	23.8	30.5	27.2	27.6	
19	69.4	97.6	361.4	583.1	743.0	230.0	295.4	45.4	29.2	29.6	28.8	28.4	
20	61.7	93.9	368.6	570.0	740.4	205.0	273.4	49.0	33.5	31.3	28.0	29.2	
21	58.6	100.0	380.6	547.0	727.8	185.5	256.0	49.0	35.4	33.1	27.6	29.6	
22	61.0	112.8	390.2	548.5	708.0	187.3	240.0	47.2	34.9	35.4	27.6	29.2	
23	63.8	128.8	401.5	486.6	682.0	197.2	227.0	44.2	33.5	35.9	27.6	29.2	
24	65.2	149.5	421.0	452.2	648.9	249.0	211.0	43.6	32.6	36.8	28.0	28.8	
25	66.6	172.9	450.9	414.5	613.7	327.3	191.8	39.2	31.3	35.4	28.4	28.8	
26	67.3	190.9	502.0	377.0	576.4	414.5	172.9	31.8	29.6	29.2	28.8	28.4	
27	70.8	202.0	541.0	344.6	542.5	524.5	152.2	28.4	28.4	24.2	28.8	28.0	
28	70.8	207.0	576.4	320.7	502.0	608.6	134.4	26.5	28.8	27.2	28.8	27.2	
29	68.0	207.0	608.6	304.2	462.8	682.0	119.2	26.9	29.6	32.2	28.4	26.5	
30	65.9	201.0	632.6	288.8	422.3	735.2	105.6	28.0	29.2	36.3		25.3	
31		197.2		281.1	392.6		95.3		29.2	36.3		20.9	
TOTAL	1958.1	3538.1	10016.4	16686.9	15146.1	9652.8	14039.0	1510.8	812.7	898.3	914.2	777.7	75951.0 CMSDAY
MEAN	65.3	114.1	333.9	538.3	488.6	321.8	452.9	50.4	26.2	29.0	31.5	25.1	207.5 CMS
MAX	72.2	207.0	632.6	674.0	743.0	735.2	827.0	86.9	35.4	36.8	36.8	33.5	827.0 CMS
MIN	52.6	65.2	198.1	281.1	245.0	185.5	95.3	26.5	19.9	17.6	21.6	15.1	15.1 CMS
RUNOFF	169.18	305.69	865.42	1441.75	1308.62	834.00	1212.97	130.53	70.22	77.61	78.99	67.19	6562.16 MCM

MOMENTARY PEAK 830.00 CMS, AT 125.66 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 4.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 17.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER NEAR BAN NON PUAI, CHAIYAPHUM (E.5)

LOCATION — LAT 15°-46'-07" N., LONG. 101°-49'-03" E., ON LEFT BANK NEAR BAN NON PUAI ABOUT 30 METERS DOWNSTREAM FROM BAN TA NGO, AMPHOE BAN KHWAO, CHAIYAPHUM.

DRAINAGE AREA — 4,254 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +186.07 M. (M.S.L.)

BENCH MARK — B.M.-E.5

LOCATION — INFRONT OF THE CAMP OF E.5 STATION.

ELEVATION — +197.543 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1958 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967 -1979

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967 -1979

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE; NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

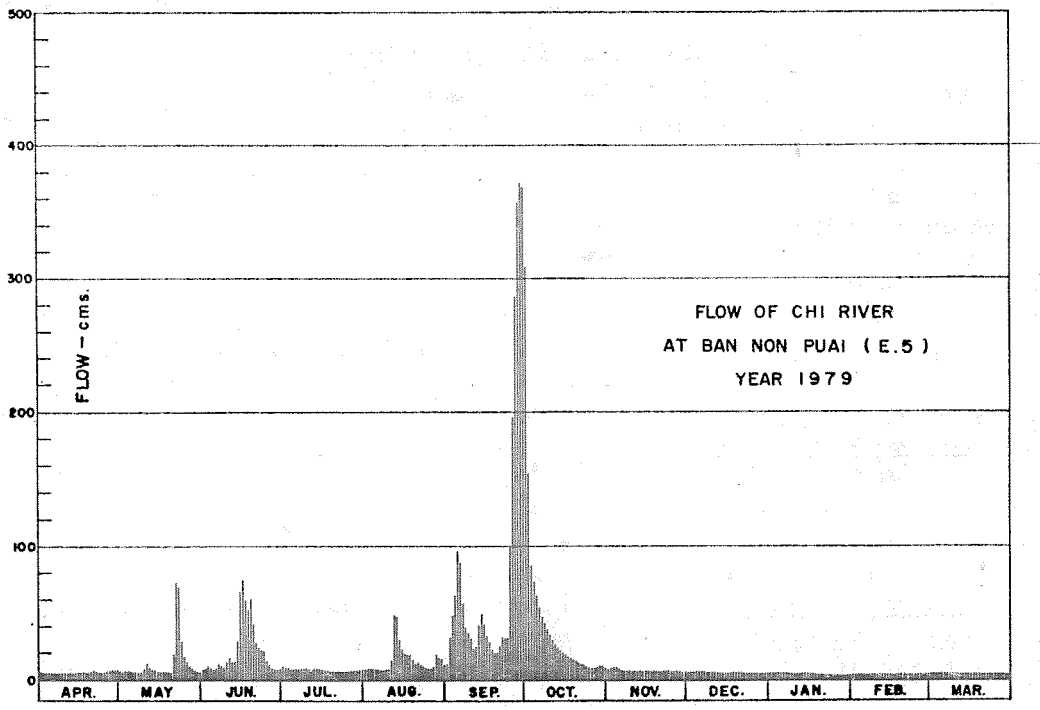
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 275 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	186.86	187.05	187.32	187.65	187.47	187.74	195.30	187.55	187.10	186.95	186.83	186.76	
2	186.86	187.11	187.42	187.57	187.50	188.78	192.51	187.51	187.10	186.95	186.82	186.75	
3	186.86	187.13	187.68	187.49	187.39	189.50	191.01	187.48	187.10	186.94	186.82	186.76	
4	186.85	187.05	187.50	187.57	187.38	189.90	190.38	187.44	187.09	186.93	186.82	186.76	
5	186.84	186.98	187.38	187.52	187.43	191.15	190.01	187.40	187.09	186.94	186.81	186.76	
6	186.85	186.94	187.57	187.52	187.36	190.83	189.75	187.40	187.09	186.94	186.82	186.74	
7	186.84	186.92	187.75	187.43	187.31	189.70	189.49	187.38	187.09	186.94	186.82	186.71	
8	186.83	186.90	187.62	187.43	187.27	189.09	189.26	187.36	187.07	186.93	186.82	186.70	
9	186.83	186.97	187.57	187.53	187.30	188.95	189.05	187.35	187.06	186.93	186.81	186.71	
10	186.82	187.50	187.80	187.45	187.53	188.70	188.88	187.32	187.04	186.92	186.80	186.73	
11	186.82	187.77	187.99	187.35	187.96	188.33	188.71	187.29	187.04	186.91	186.80	186.73	
12	186.80	187.47	187.81	187.34	189.46	188.48	188.55	187.28	187.04	186.90	186.79	186.73	
13	186.84	187.35	187.87	187.43	189.40	189.16	188.39	187.25	187.04	186.90	186.78	186.70	
14	186.91	187.19	188.72	187.40	188.77	189.47	188.28	187.24	187.02	186.90	186.78	186.72	
15	187.00	187.07	190.05	187.30	188.34	189.21	188.19	187.23	187.02	186.90	186.78	186.74	
16	186.93	187.01	190.35	187.25	188.13	188.82	188.11	187.21	187.01	186.90	186.76	186.82	
17	186.92	186.99	189.86	187.20	188.11	188.55	188.03	187.20	187.01	186.90	186.76	186.97	
18	186.90	186.98	189.60	187.17	188.10	188.37	187.97	187.19	187.01	186.90	186.77	187.02	
19	186.99	186.97	189.89	187.16	187.92	188.18	187.92	187.19	187.01	186.89	186.76	186.90	
20	187.30	186.96	189.06	187.21	187.84	188.17	187.88	187.18	187.01	186.88	186.75	186.85	
21	187.17	188.18	188.48	187.32	187.89	188.41	187.83	187.16	187.01	186.87	186.75	186.79	
22	187.03	190.29	188.27	187.24	187.72	188.83	187.78	187.15	187.00	186.87	186.74	186.75	
23	187.00	190.16	188.27	187.25	187.62	188.73	187.71	187.15	186.99	186.85	186.74	186.79	
24	186.92	188.63	188.15	187.34	187.53	188.75	187.67	187.14	186.98	186.84	186.75	186.78	
25	187.04	188.09	187.84	187.44	187.56	191.38	187.63	187.14	186.98	186.84	186.77	186.75	
26	187.30	187.84	187.68	187.36	187.53	193.87	187.61	187.13	186.98	186.83	186.76	186.74	
27	187.23	187.60	187.58	187.41	187.74	195.77	187.63	187.12	186.97	186.82	186.75	186.73	
28	187.29	187.43	187.54	187.32	188.14	196.45	187.67	187.12	186.97	186.82	186.77	186.74	
29	187.13	187.30	187.48	187.31	187.98	196.62	187.73	187.12	186.96	186.81	186.77	186.76	
30	187.14	187.21	187.54	187.46	187.96	196.58	187.74	187.11	186.95	186.81		186.73	
31		187.19		187.48	187.75		187.61		186.95	186.83		186.71	
MEAN	186.97	187.49	188.19	187.38	187.85	190.22	188.78	187.26	187.02	186.89	186.78	186.77	
MAX	187.30	190.29	190.35	187.65	189.46	196.62	195.30	187.55	187.10	186.95	186.83	187.02	196.62
MIN	186.80	186.90	187.32	187.16	187.27	187.74	187.61	187.11	186.95	186.81	186.74	186.70	186.70

ANNUAL MAX MOMENTARY GAGE HEIGHT 196.66 M (MSL), AT 5.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 186.07 M (MSL), RIVER BED 186.38 M (MSL)
LEFT BANK ELEVATION 197.30 M (MSL)
RIGHT BANK ELEVATION 197.52 M (MSL), DRAINAGE AREA 4254 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.84	5.91	7.42	10.00	8.27	11.80	277.00	8.72	6.19	5.34	4.67	4.27	
2	4.84	6.24	7.99	8.83	8.44	32.60	141.94	8.49	6.19	5.34	4.61	4.22	
3	4.84	6.36	10.60	8.38	7.82	51.00	93.20	8.33	6.19	5.29	4.61	4.27	
4	4.78	5.91	8.44	8.83	7.76	62.20	75.64	8.10	6.13	5.23	4.61	4.27	
5	4.73	5.51	7.76	8.55	8.04	97.20	65.28	7.88	6.13	5.29	4.56	4.27	
6	4.78	5.29	8.83	8.55	7.65	88.24	58.00	7.88	6.13	5.29	4.61	4.16	
7	4.73	5.17	12.00	8.04	7.37	56.60	50.72	7.76	6.13	5.29	4.61	3.99	
8	4.67	5.06	9.40	8.04	7.14	39.52	44.28	7.65	6.02	5.23	4.61	3.94	
9	4.67	5.46	8.83	8.61	7.31	36.00	38.40	7.59	5.96	5.23	4.56	3.99	
10	4.61	8.44	13.00	8.16	8.61	31.00	34.60	7.42	5.85	5.17	4.50	4.11	
11	4.61	12.40	16.80	7.59	16.20	23.60	31.20	7.26	5.85	5.12	4.50	4.11	
12	4.50	8.27	13.20	7.54	49.88	26.60	28.00	7.20	5.85	5.06	4.44	4.11	
13	4.73	7.59	14.40	8.04	48.20	41.48	24.80	7.03	5.85	5.06	4.39	3.94	
14	5.12	6.69	31.40	7.88	32.40	50.16	22.60	6.98	5.74	5.06	4.39	4.05	
15	5.63	6.02	66.40	7.31	23.80	42.88	20.80	6.92	5.74	5.06	4.39	4.16	
16	5.23	5.68	74.80	7.03	19.60	33.40	19.20	6.81	5.68	5.06	4.27	4.61	
17	5.17	5.57	61.08	6.75	19.20	28.00	17.60	6.75	5.68	5.06	4.27	5.46	
18	5.06	5.51	53.80	6.58	19.00	24.40	16.40	6.69	5.68	5.06	4.33	5.74	
19	5.57	5.46	61.92	6.52	15.40	20.60	15.40	6.69	5.68	5.01	4.27	5.06	
20	7.31	5.40	38.68	6.81	13.80	20.40	14.60	6.64	5.68	4.95	4.22	4.78	
21	6.58	20.60	26.60	7.42	14.80	25.20	13.60	6.52	5.68	4.89	4.22	4.44	
22	5.79	73.12	22.40	6.98	11.40	33.60	12.60	6.47	5.63	4.89	4.16	4.22	
23	5.63	69.48	22.40	7.03	9.40	31.60	11.20	6.47	5.57	4.78	4.16	4.44	
24	5.17	29.60	20.00	7.54	8.61	32.00	10.40	6.41	5.51	4.73	4.22	4.39	
25	5.85	18.80	13.80	8.10	8.78	103.64	9.60	6.41	5.51	4.73	4.33	4.22	
26	7.31	13.80	10.60	7.65	8.61	197.77	9.20	6.36	5.51	4.67	4.27	4.16	
27	6.92	9.00	8.89	7.93	11.80	305.90	9.60	6.30	5.46	4.61	4.22	4.11	
28	7.26	8.04	8.66	7.42	19.80	359.00	10.40	6.30	5.46	4.61	4.33	4.16	
29	6.36	7.31	8.33	7.37	16.60	372.60	11.60	6.30	5.40	4.56	4.33	4.27	
30	6.41	6.81	8.16	8.21	16.20	369.40	11.80	6.24	5.34	4.56		4.11	
31		6.69		8.33	12.00		9.20		5.34	4.67		3.99	
TOTAL	163.70	391.19	677.09	242.02	473.89	2648.39	1208.94	212.57	178.76	154.90	127.66	134.02	6613.12 CMSDAY
MEAN	5.46	12.62	22.57	7.81	15.29	88.28	39.00	7.09	5.77	5.00	4.40	4.32	18.07 CMS
MAX	7.31	73.12	74.80	10.00	49.88	372.60	277.00	8.72	6.19	5.34	4.67	5.74	372.60 CMS
MIN	4.50	5.06	7.42	6.52	7.14	11.80	9.20	6.24	5.34	4.56	4.16	3.94	3.94 CMS
RUNOFF	14.144	33.799	58.500	20.911	40.944	228.821	104.452	18.366	15.445	13.383	11.030	11.579	571.373 MCM

MOMENTARY PEAK 375.80 CMS, AT 196.66 M (MSL), AT 5.00 HOURS, ON SEP 30, 1979

RUNOFF YIELD 4.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 88.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

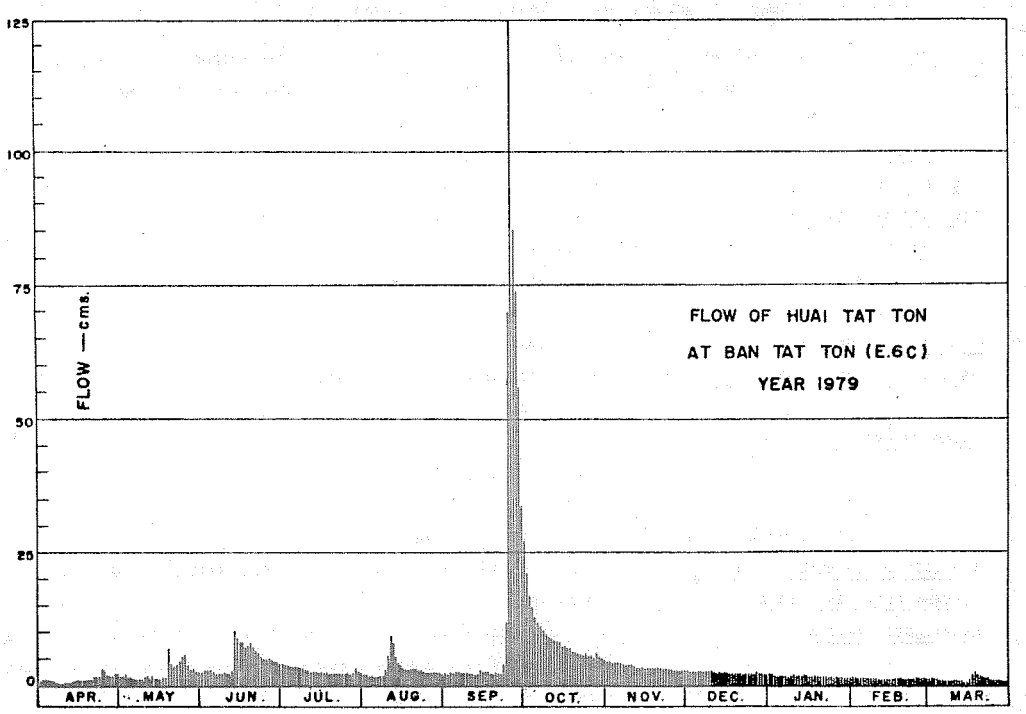
HUAI TAT TON AT BAN TAT TON, CHAIYAPHUM (E.6C)

LOCATION	LAT. 15°-57'-36" N., LONG. 102°-01'-57" E., ON RIGHT BANK ABOUT 5 KILOMETERS UPSTREAM FROM E.6A STATION AT BAN TAT TON, AMPHOE MUANG, CHAIYAPHUM.
DRAINAGE AREA	300 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+7.303 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 169 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.91	1.03	1.19	1.32	1.07	1.08	3.38	1.40	1.18	1.06	0.99	0.94	
2	0.96	1.04	1.20	1.30	1.06	1.09	2.94	1.38	1.17	1.06	0.98	0.94	
3	0.93	1.06	1.18	1.28	1.05	1.14	2.67	1.36	1.17	1.06	0.98	0.94	
4	0.91	1.00	1.15	1.27	1.04	1.10	2.48	1.35	1.17	1.05	0.98	0.93	
5	0.91	0.99	1.11	1.25	1.04	1.09	2.32	1.34	1.17	1.05	0.98	0.93	
6	0.91	0.98	1.09	1.22	1.03	1.13	2.23	1.33	1.16	1.04	0.97	0.93	
7	0.90	0.98	1.11	1.21	1.05	1.12	2.15	1.32	1.15	1.04	0.97	0.92	
8	0.87	0.98	1.13	1.20	1.09	1.11	2.06	1.31	1.15	1.04	0.96	0.92	
9	0.87	0.98	1.12	1.19	1.16	1.13	2.01	1.30	1.14	1.04	0.96	0.92	
10	0.89	1.02	1.13	1.18	1.33	1.11	1.96	1.29	1.14	1.04	0.96	0.92	
11	0.90	1.03	1.10	1.16	1.89	1.09	1.92	1.28	1.13	1.04	0.96	0.91	
12	0.88	1.00	1.17	1.16	1.94	1.12	1.87	1.27	1.12	1.04	0.94	0.91	
13	0.94	1.03	2.09	1.15	1.52	1.12	1.85	1.26	1.12	1.04	0.96	0.91	
14	0.93	0.99	1.90	1.15	1.35	1.19	1.81	1.25	1.12	1.04	0.96	0.91	
15	0.93	0.97	1.88	1.13	1.28	1.15	1.79	1.24	1.11	1.03	0.95	0.91	
16	0.93	1.04	1.81	1.13	1.25	1.13	1.74	1.24	1.12	1.03	0.95	0.99	
17	0.93	1.02	1.68	1.12	1.23	1.10	1.71	1.25	1.11	1.03	0.95	1.11	
18	0.94	1.00	1.79	1.10	1.21	1.07	1.68	1.26	1.11	1.03	0.95	1.12	
19	0.94	1.67	1.83	1.09	1.21	1.07	1.66	1.24	1.10	1.03	0.95	1.05	
20	0.98	1.27	1.69	1.08	1.21	1.13	1.62	1.24	1.10	1.02	0.94	1.02	
21	1.04	1.24	1.59	1.07	1.19	1.14	1.61	1.24	1.09	1.02	0.94	0.98	
22	1.03	1.29	1.58	1.07	1.16	1.12	1.56	1.24	1.09	1.02	0.96	0.97	
23	1.06	1.38	1.51	1.07	1.16	1.45	1.56	1.23	1.09	1.01	0.96	0.95	
24	1.23	1.50	1.45	1.07	1.13	2.42	1.54	1.21	1.09	1.01	0.96	0.94	
25	1.09	1.52	1.45	1.07	1.12	5.42	1.52	1.20	1.08	1.01	0.96	0.94	
26	1.09	1.29	1.46	1.06	1.12	6.12	1.50	1.19	1.07	1.01	0.95	0.93	
27	1.04	1.24	1.39	1.11	1.11	5.45	1.50	1.19	1.07	1.00	0.95	0.93	
28	1.02	1.19	1.35	1.18	1.10	5.13	1.58	1.18	1.07	1.00	0.95	0.93	
29	1.13	1.17	1.36	1.21	1.09	4.60	1.48	1.18	1.06	1.00	0.94	0.92	
30	1.11	1.14	1.34	1.14	1.08	3.96	1.44	1.18	1.06	0.99		0.91	
31		1.12		1.10	1.07		1.42		1.06	0.99		0.91	
MEAN	0.97	1.13	1.43	1.16	1.20	1.97	1.89	1.26	1.12	1.03	0.96	0.95	
MAX	1.23	1.67	2.09	1.32	1.94	6.12	3.38	1.40	1.18	1.06	0.99	1.12	6.12
MIN	0.87	0.97	1.09	1.06	1.03	1.07	1.42	1.18	1.06	0.99	0.94	0.91	0.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.42 M (A.D), AT 4.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D); RIVER BED 0.11 M (A.D)
LEFT BANK ELEVATION 7.82 M (A.D)
RIGHT BANK ELEVATION 7.67 M (A.D), DRAINAGE AREA 300 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.78	1.74	3.02	4.06	2.06	2.14	25.70	4.70	2.94	1.98	1.42	1.02	
2	1.18	1.82	3.10	3.90	1.98	2.22	19.68	4.54	2.86	1.98	1.34	1.02	
3	0.94	1.98	2.94	3.74	1.90	2.62	16.44	4.38	2.86	1.98	1.34	1.02	
4	0.78	1.50	2.70	3.66	1.82	2.30	14.16	4.30	2.86	1.90	1.34	0.94	
5	0.78	1.42	2.38	3.50	1.82	2.22	12.40	4.22	2.86	1.90	1.34	0.94	
6	0.78	1.34	2.22	3.26	1.74	2.54	11.57	4.14	2.78	1.82	1.26	0.94	
7	0.70	1.34	2.38	3.18	1.90	2.46	10.85	4.06	2.70	1.82	1.26	0.86	
8	0.49	1.34	2.54	3.10	2.22	2.38	10.04	3.98	2.70	1.82	1.18	0.86	
9	0.49	1.34	2.46	3.02	2.78	2.54	9.59	3.90	2.62	1.82	1.18	0.86	
10	0.63	1.66	2.54	2.94	4.14	2.38	9.18	3.82	2.62	1.82	1.18	0.86	
11	0.70	1.74	2.30	2.78	8.62	2.22	8.86	3.74	2.54	1.82	1.18	0.78	
12	0.56	1.50	2.86	2.78	9.02	2.46	8.46	3.66	2.46	1.82	1.02	0.78	
13	1.02	1.74	10.31	2.70	5.66	2.46	8.30	3.58	2.46	1.82	1.18	0.78	
14	0.94	1.42	8.	2.70	4.30	3.02	7.98	3.50	2.46	1.82	1.18	0.78	
15	0.94	1.26	8.[illegible]	2.54	3.74	2.70	7.82	3.42	2.38	1.74	1.10	0.78	
16	0.94	1.82	7.98	2.54	3.50	2.54	7.42	3.42	2.46	1.74	1.10	1.42	
17	0.94	1.66	6.94	2.46	3.34	2.30	7.18	3.50	2.38	1.74	1.10	2.38	
18	1.02	1.50	7.82	2.30	3.18	2.06	6.94	3.58	2.38	1.74	1.10	2.46	
19	1.02	6.86	8.14	2.22	3.18	2.06	6.78	3.42	2.30	1.74	1.10	1.90	
20	1.34	3.66	7.02	2.14	3.18	2.54	6.46	3.42	2.30	1.66	1.02	1.66	
21	1.82	3.42	6.22	2.06	3.02	2.62	6.38	3.42	2.22	1.66	1.02	1.34	
22	1.74	3.82	6.14	2.06	2.78	2.46	5.98	3.42	2.22	1.66	1.18	1.26	
23	1.98	4.54	5.58	2.06	2.78	5.10	5.98	3.34	2.22	1.58	1.18	1.10	
24	3.34	5.50	5.10	2.06	2.54	13.44	5.82	3.18	2.22	1.58	1.18	1.02	
25	2.22	5.66	5.10	2.06	2.46	86.72	5.66	3.10	2.14	1.58	1.18	1.02	
26	2.22	3.82	5.18	1.98	2.46	128.40	5.50	3.02	2.06	1.58	1.10	0.94	
27	1.82	3.42	4.62	2.38	2.38	88.25	5.50	3.02	2.06	1.50	1.10	0.94	
28	1.66	3.02	4.30	2.94	2.30	73.32	6.14	2.94	2.06	1.50	1.10	0.94	
29	2.54	2.86	4.38	3.18	2.22	52.90	5.34	2.94	1.98	1.50	1.02	0.86	
30	2.38	2.62	4.22	2.62	2.14	35.20	5.02	2.94	1.98	1.42		0.78	
31		2.46		2.30	2.06		4.86		1.98	1.42		0.78	
TOTAL	38.69	79.78	147.73	85.22	97.22	536.57	277.99	108.60	75.06	53.46	33.98	34.02	1568.32 CMSDAY
MEAN	1.29	2.57	4.92	2.75	3.14	17.89	8.97	3.62	2.42	1.72	1.17	1.10	4.29 CMS
MAX	3.34	6.86	10.31	4.06	9.02	128.40	25.70	4.70	2.94	1.98	1.42	2.46	128.40 CMS
MIN	0.49	1.26	2.22	1.98	1.74	2.06	4.86	2.94	1.98	1.42	1.02	0.78	0.49 CMS
RUNOFF	3.343	6.893	12.764	7.363	8.400	46.360	24.018	9.383	6.485	4.619	2.936	2.939	135.503 MCM

MOMENTARY PEAK 151.60 CMS, AT 6.42 M (A.D), AT 4.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 14.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 505.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER AT BAN THA KHON YANG, MAHA SARAKHAM (E.8A)

LOCATION — LAT. 16°-13'-51" N., LONG. 103°-16'-29" E., ON RIGHT BANK AT THE BRIDGE OF MAHA SARAKHAM-KALASIN HIGHWAY, TAMBON THA KHON YANG, AMPHOE KANTHARAWICHAI, MAHA SARAKHAM.

DRAINAGE AREA — 30,764 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +133.21 M. (M.S.L.)

BENCH MARK

LOCATION — B.M.-H.S.

ELEVATION — NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.

GAGE READING FREQUENCY — +144.420 M. (M.S.L.)

BASIS OF MEAN DAILY GAGE HEIGHT — RECORDING.

PERIOD OF AVAILABLE GAGE RECORDS — ARITHMETIC MEAN OF 24 READINGS.

RATING OPERATION — 1955 TO DATE.

PERIOD OF RATING — 1955-1957, 1965-1976

RATED BY FLOAT — -

RATED BY CURRENT METER — 1955-1957, 1965-1976

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 101 DISCHARGE MEASUREMENTS MADE DURING 1969-1976. FLOW REGULATED BY NAM PHONG DAM AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

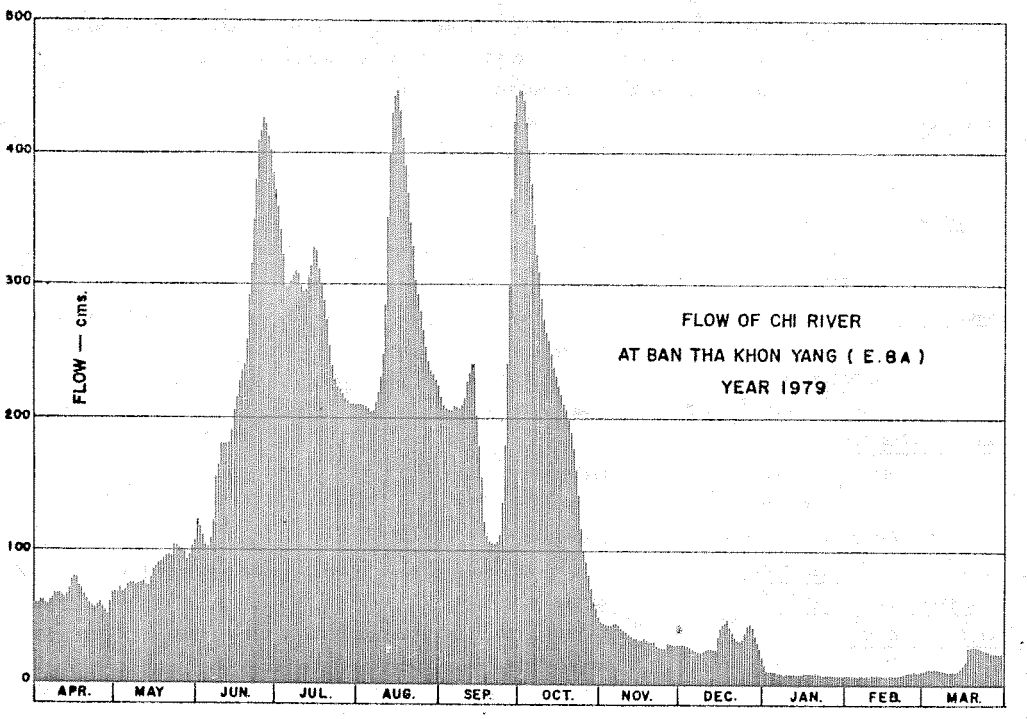
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.90	135.08	136.13	139.65	137.55	137.65	140.69	134.60	134.19	133.76	133.42	133.56	
2	134.93	135.09	136.04	139.35	137.54	137.55	140.65	134.57	134.19	133.55	133.42	133.58	
3	134.93	135.13	135.89	139.10	137.54	137.49	140.52	134.55	134.17	133.53	133.42	133.61	
4	134.92	135.09	135.78	138.90	137.51	137.47	140.29	134.54	134.15	133.52	133.42	133.60	
5	134.88	135.15	135.76	138.81	137.48	137.49	139.97	134.53	134.09	133.49	133.42	133.62	
6	134.94	135.23	135.95	138.85	137.47	137.52	139.61	134.60	134.05	133.47	133.42	133.60	
7	135.01	135.22	136.20	138.93	137.58	137.52	139.27	134.60	134.06	133.47	133.42	133.58	
8	135.06	135.19	136.68	138.95	137.68	137.51	138.96	134.54	134.06	133.47	133.42	133.56	
9	135.05	135.17	136.95	138.90	137.88	137.57	138.73	134.45	134.06	133.46	133.44	133.54	
10	135.04	135.19	137.08	138.79	138.25	137.69	138.51	134.41	134.07	133.46	133.46	133.54	
11	135.01	135.25	137.05	138.77	139.07	137.85	138.34	134.39	134.11	133.46	133.43	133.54	
12	135.03	135.21	137.05	138.83	139.88	137.98	138.20	134.36	134.11	133.46	133.40	133.52	
13	135.10	135.16	137.18	138.97	140.35	137.99	138.06	134.34	134.10	133.46	133.41	133.53	
14	135.24	135.18	137.34	139.10	140.59	137.71	137.94	134.32	134.23	133.46	133.41	133.57	
15	135.31	135.41	137.53	139.19	140.65	137.23	137.83	134.29	134.47	133.46	133.41	133.68	
16	135.30	135.45	137.75	139.16	140.56	136.71	137.72	134.28	134.54	133.48	133.41	133.80	
17	135.17	135.50	137.91	139.03	140.36	136.36	137.62	134.35	134.61	133.46	133.40	134.13	
18	135.12	135.52	137.95	138.80	140.11	136.05	137.52	134.28	134.65	133.48	133.41	134.12	
19	135.07	135.54	137.99	138.59	139.83	135.89	137.47	134.24	134.51	133.47	133.46	134.16	
20	134.99	135.59	138.30	138.42	139.55	135.86	137.33	134.27	134.40	133.51	133.49	134.16	
21	134.91	135.64	138.85	138.07	139.25	135.84	137.11	134.26	134.31	133.51	133.48	134.14	
22	134.87	135.65	139.35	137.92	138.95	135.85	136.83	134.19	134.27	133.50	133.47	134.12	
23	134.83	135.78	139.86	137.80	138.70	135.91	136.47	134.13	134.27	133.45	133.48	134.11	
24	134.88	135.85	140.20	137.74	138.52	136.06	136.11	134.11	134.30	133.43	133.50	134.09	
25	134.95	135.81	140.36	137.70	138.35	136.80	135.79	134.13	134.45	133.43	133.53	134.05	
26	134.87	135.74	140.40	137.63	138.18	137.90	135.51	134.27	134.57	133.43	133.55	134.02	
27	134.81	135.70	140.32	137.59	138.04	138.76	135.27	134.24	134.56	133.43	133.54	134.02	
28	134.75	135.56	140.17	137.58	137.94	139.74	135.10	134.21	134.39	133.43	133.53	134.02	
29	134.92	135.71	140.02	137.56	137.89	140.34	134.93	134.19	134.28	133.43	133.54	134.02	
30	135.08	135.81	139.84	137.56	137.83	140.62	134.79	134.20	134.15	133.43		134.01	
31		135.89		137.55	137.76		134.65		133.99	133.43		134.03	
MEAN	135.00	135.43	137.93	138.51	138.67	137.43	137.67	134.35	134.27	133.48	133.45	133.83	
MAX	135.31	135.89	140.40	139.65	140.65	140.62	140.69	134.60	134.65	133.76	133.55	134.16	140.69
MIN	134.75	135.08	135.76	137.55	137.47	135.84	134.65	134.11	133.99	133.43	133.40	133.52	133.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 140.69 M (MSL), AT 12.00 HOURS, ON OCT 1, 1979

ZERO GAGE AT BOTTOM ELEVATION 133.21 M (MSL), RIVER BED 133.68 M (MSL)

LEFT BANK ELEVATION 144.27 M (MSL)

RIGHT BANK ELEVATION 143.90 M (MSL), DRAINAGE AREA 30764 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	60.00	69.00	124.07	366.00	210.94	217.50	449.20	47.00	30.60	16.80	6.60	10.80	
2	61.50	69.50	118.56	342.00	210.33	210.94	446.00	45.80	30.60	10.50	6.60	11.40	
3	61.50	71.50	109.50	322.00	210.33	207.27	435.60	45.00	29.80	9.90	6.60	12.30	
4	61.00	69.50	104.00	306.00	208.49	206.05	417.20	44.60	29.00	9.60	6.60	12.00	
5	59.00	72.50	103.00	298.80	206.66	207.27	391.60	44.20	26.70	8.70	6.60	12.60	
6	62.00	76.50	113.06	302.00	206.05	209.11	362.80	47.00	25.50	8.10	6.60	12.00	
7	65.50	76.00	128.35	308.40	212.78	209.11	335.60	47.00	25.80	8.10	6.60	11.40	
8	68.00	74.50	157.72	310.00	219.60	208.49	310.80	44.60	25.80	8.10	6.60	10.80	
9	67.50	73.50	174.24	306.00	233.60	212.16	293.10	41.00	25.80	7.80	7.20	10.20	
10	67.00	74.50	182.19	297.30	259.50	220.30	277.70	39.40	26.10	7.80	7.80	10.20	
11	65.50	77.50	180.35	295.90	319.60	231.50	265.80	38.60	27.40	7.80	6.90	10.20	
12	66.50	75.50	180.35	300.40	384.40	240.60	256.00	37.40	27.40	7.80	6.00	9.60	
13	70.00	73.00	188.31	311.60	422.00	241.30	246.20	36.60	27.00	7.80	6.30	9.90	
14	77.00	74.00	198.10	322.00	441.20	221.70	237.80	35.80	32.20	7.80	6.30	11.10	
15	80.50	85.50	209.72	329.20	446.00	191.36	230.10	34.60	41.80	7.80	6.30	14.40	
16	80.00	87.50	224.50	326.80	438.80	159.55	222.40	34.20	44.60	8.40	6.30	18.00	
17	73.50	90.00	235.70	316.40	422.80	138.14	215.40	37.00	47.40	7.80	6.00	28.20	
18	71.00	91.00	238.50	298.00	402.80	119.18	209.11	34.20	49.00	8.40	6.30	27.80	
19	68.50	92.00	241.30	283.30	380.40	109.50	206.05	32.60	43.40	8.10	7.80	29.40	
20	64.50	94.50	263.00	271.40	358.00	108.00	197.48	33.80	39.00	9.30	8.70	29.40	
21	60.50	97.00	302.00	246.90	334.00	107.00	184.02	33.40	35.40	9.30	8.40	28.60	
22	58.50	97.50	342.00	236.40	310.00	107.50	166.89	30.60	33.80	9.00	8.10	27.80	
23	56.50	104.00	382.80	228.00	291.00	110.61	144.87	28.20	33.80	7.50	8.40	27.40	
24	59.00	107.50	410.00	223.80	278.40	119.79	122.85	27.40	35.00	6.90	9.00	26.70	
25	62.50	105.50	422.80	221.00	266.50	165.06	104.50	28.20	41.00	6.90	9.90	25.50	
26	58.50	102.00	426.00	216.10	254.60	235.00	90.50	33.80	45.80	6.90	10.50	24.60	
27	55.50	100.00	419.60	213.39	244.80	295.20	78.50	32.60	45.40	6.90	10.20	24.60	
28	53.00	93.00	407.60	212.78	237.80	373.20	70.00	31.40	38.60	6.90	9.90	24.60	
29	61.00	100.50	395.60	211.55	234.30	421.20	61.50	30.60	34.20	6.90	10.20	24.60	
30	69.00	105.50	381.20	211.55	230.10	443.60	54.60	31.00	29.00	6.90		24.30	
31		109.50		210.94	225.20		49.00		23.70	6.90		24.90	
TOTAL	1944.00	2689.50	7364.12	8645.90	9100.97	6247.18	7133.16	1107.60	1050.60	257.40	219.30	585.30	46345.00 CMSDAY
MEAN	64.80	86.76	245.47	278.90	293.58	208.24	230.10	36.92	33.89	8.30	7.56	18.88	126.63 CMS
MAX	80.50	109.50	426.00	366.00	446.00	443.60	449.20	47.00	49.00	16.80	10.50	29.40	449.20 CMS
MIN	53.00	69.00	103.00	210.94	206.05	107.00	49.00	27.40	23.70	6.90	6.00	9.60	6.00 CMS
RUNOFF	167.962	232.373	636.260	747.006	786.324	539.757	616.305	95.697	90.772	22.239	18.948	50.570	4004.208 MCM

MOMENTARY PEAK 449.20 CMS, AT 140.69 M (MSL), AT 12.00 HOURS, ON OCT 1, 1979
RUNOFF YIELD 4.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 14.60 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER AT BAN THA NANG LUAN, KHON KAEN (E.9)

LOCATION — LAT. 16°-05'-49" N., LONG. 102°-34'-23" E., ON LEFT BANK AT THE BRIDGE OF MANCHA KHIRI -CHONNABOT HIGHWAY, ABOUT 6 KILOMETERS FROM AMPHOE MANCHA KHIRI OFFICE, BAN THA NANG LUAN, AMPHOE CHONNABOT, KHON KAEN.

DRAINAGE AREA — 11,020 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 45 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +11.931 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1958 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1973

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — 'RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE DURING 1967-1969.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

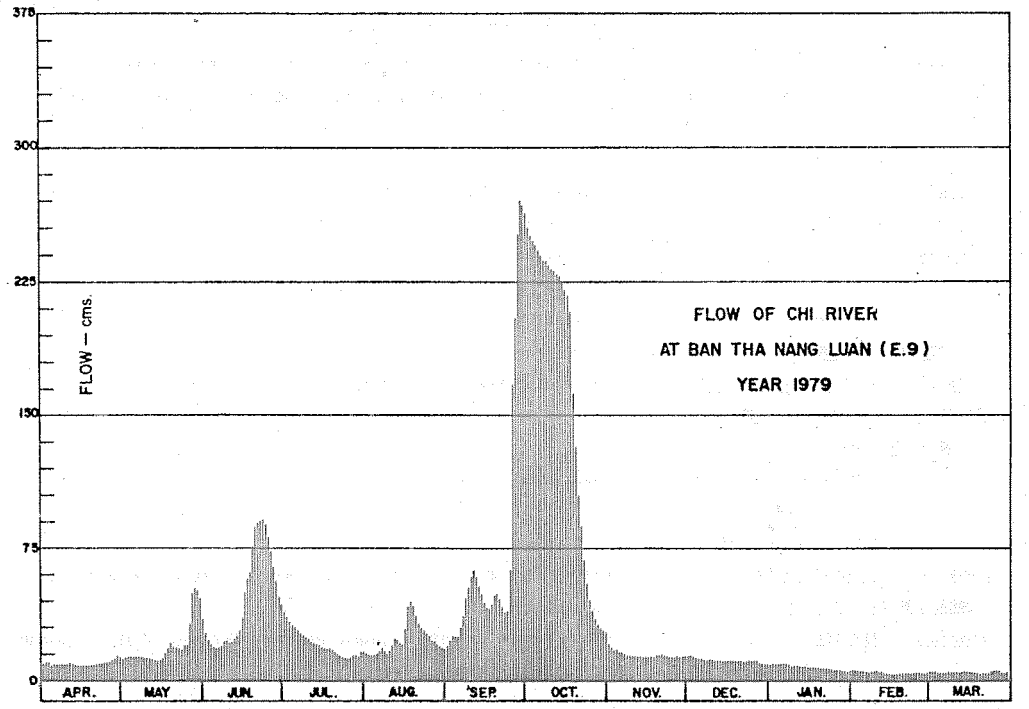
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.22	2.43	3.21	3.78	2.61	2.91	9.14	3.09	2.45	2.19	1.92	1.77	
2	2.21	2.44	3.00	3.60	2.58	3.02	9.11	3.02	2.46	2.18	1.92	1.77	
3	2.20	2.49	2.87	3.48	2.54	3.07	9.10	2.99	2.46	2.19	1.92	1.77	
4	2.19	2.52	2.79	3.39	2.57	3.06	9.08	2.97	2.47	2.20	1.91	1.76	
5	2.18	2.52	2.74	3.35	2.62	3.03	9.05	2.92	2.47	2.20	1.90	1.78	
6	2.17	2.50	2.78	3.31	2.65	3.23	9.04	2.85	2.47	2.20	1.90	1.78	
7	2.16	2.49	2.87	3.26	2.73	3.58	9.02	2.78	2.48	2.20	1.89	1.78	
8	2.15	2.48	2.96	3.16	2.64	4.18	9.01	2.74	2.46	2.18	1.88	1.78	
9	2.16	2.45	2.94	3.08	2.62	4.55	9.01	2.70	2.41	2.17	1.89	1.78	
10	2.20	2.44	2.90	3.04	2.66	4.76	8.98	2.67	2.40	2.15	1.86	1.78	
11	2.23	2.42	2.96	3.00	2.79	4.88	8.97	2.64	2.38	2.14	1.85	1.78	
12	2.22	2.40	3.03	2.95	3.02	4.78	8.96	2.59	2.36	2.12	1.85	1.77	
13	2.20	2.36	3.10	2.90	3.01	4.57	8.95	2.55	2.36	2.10	1.85	1.78	
14	2.19	2.34	3.24	2.88	2.82	4.31	8.93	2.51	2.36	2.10	1.85	1.78	
15	2.19	2.32	3.66	2.85	2.89	3.98	8.92	2.50	2.36	2.09	1.84	1.80	
16	2.19	2.38	4.29	2.80	3.41	3.83	8.82	2.48	2.34	2.08	1.84	1.83	
17	2.19	2.60	4.64	2.74	3.85	3.87	8.81	2.45	2.33	2.07	1.84	1.83	
18	2.19	2.74	5.18	2.74	4.01	4.06	8.69	2.45	2.32	2.05	1.83	1.80	
19	2.19	2.85	5.64	2.73	3.90	4.19	8.15	2.44	2.31	2.04	1.83	1.80	
20	2.19	2.69	5.96	2.68	3.69	4.25	7.33	2.44	2.31	2.02	1.83	1.79	
21	2.23	2.75	6.08	2.59	3.46	4.09	6.45	2.45	2.30	2.02	1.82	1.78	
22	2.25	2.80	6.12	2.56	3.36	3.90	5.67	2.50	2.30	2.04	1.82	1.78	
23	2.26	2.72	6.11	2.50	3.26	3.73	5.05	2.50	2.29	2.03	1.80	1.78	
24	2.28	2.78	6.00	2.47	3.18	3.79	4.52	2.51	2.28	2.02	1.80	1.77	
25	2.30	2.83	5.72	2.47	3.08	4.19	4.15	2.52	2.26	2.00	1.79	1.76	
26	2.31	3.49	5.35	2.50	3.02	7.74	3.94	2.53	2.25	1.99	1.78	1.76	
27	2.35	4.28	4.93	2.52	2.94	8.85	3.72	2.51	2.24	1.97	1.78	1.75	
28	2.50	4.43	4.44	2.54	2.90	9.13	3.46	2.51	2.23	1.96	1.78	1.76	
29	2.49	4.30	4.25	2.57	2.83	9.18	3.35	2.49	2.22	1.95	1.77	1.78	
30	2.46	4.00	3.98	2.63	2.75	9.17	3.28	2.47	2.21	1.94		1.79	
31		3.55		2.64	2.77		3.19		2.21	1.93		1.81	
MEAN	2.24	2.83	4.12	2.89	3.01	4.73	7.22	2.63	2.35	2.08	1.85	1.78	
MAX	2.50	4.43	6.12	3.78	4.01	9.18	9.14	3.09	2.46	2.20	1.92	1.83	9.18
MIN	2.15	2.32	2.74	2.47	2.54	2.91	3.19	2.44	2.21	1.93	1.77	1.75	1.75

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.19 M (A.D.), AT 24.00 HOURS, ON SEP 29, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -2.68 M (A.D.)

LEFT BANK ELEVATION 15.80 M (A.D.)

RIGHT BANK ELEVATION 15.40 M (A.D.), DRAINAGE AREA 11020 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.30	12.45	27.20	38.60	15.20	21.20	259.20	24.80	12.75	8.85	5.20	3.70	
2	9.15	12.60	23.00	35.00	14.70	23.40	252.30	23.40	12.90	8.70	5.20	3.70	
3	9.00	13.35	20.40	32.60	14.10	24.40	250.00	22.80	12.90	8.85	5.20	3.70	
4	8.85	13.80	18.80	30.80	14.55	24.20	247.00	22.40	13.05	9.00	5.10	3.60	
5	8.70	13.80	17.80	30.00	15.40	23.60	242.50	21.40	13.05	9.00	5.00	3.80	
6	8.55	13.50	18.60	29.20	16.00	27.60	241.00	20.00	13.05	9.00	5.00	3.80	
7	8.40	13.35	20.40	28.20	17.60	34.60	238.00	18.60	13.20	9.00	4.90	3.80	
8	8.25	13.20	22.20	26.20	15.80	46.60	236.50	17.80	12.90	8.70	4.80	3.80	
9	8.40	12.75	21.80	24.60	15.40	54.00	236.50	17.00	12.15	8.55	4.90	3.80	
10	9.00	12.60	21.00	23.90	16.20	58.20	232.40	16.40	12.00	8.25	4.60	3.80	
11	9.45	12.30	22.20	23.00	18.80	60.60	231.10	15.80	11.70	8.10	4.50	3.80	
12	9.30	12.00	23.60	22.00	23.40	58.60	229.80	14.85	11.40	7.80	4.50	3.70	
13	9.00	11.40	25.00	21.00	23.20	54.40	228.50	14.25	11.40	7.50	4.50	3.80	
14	8.65	11.10	27.60	20.60	19.40	49.20	225.90	13.65	11.40	7.50	4.50	3.80	
15	8.85	10.80	36.20	20.00	20.80	42.60	224.60	13.50	11.40	7.35	4.40	4.00	
16	8.85	11.70	48.80	19.00	31.20	39.60	214.00	13.20	11.10	7.20	4.40	4.30	
17	8.85	15.00	55.80	17.80	40.00	40.40	213.00	12.75	10.95	7.05	4.40	4.30	
18	8.85	17.80	56.60	17.80	43.20	44.20	201.20	12.75	10.80	6.75	4.30	4.00	
19	8.85	20.00	78.00	17.60	41.00	46.80	165.50	12.60	10.65	6.60	4.30	4.00	
20	8.85	16.80	86.00	16.60	36.80	48.00	129.20	12.60	10.65	6.30	4.30	3.90	
21	9.45	18.00	89.40	14.85	32.20	44.80	100.50	12.75	10.50	6.30	4.20	3.80	
22	9.75	19.00	90.60	14.40	30.20	41.00	78.75	13.50	10.50	6.60	4.20	3.80	
23	9.90	17.40	90.30	13.50	28.20	37.60	64.00	13.50	10.35	6.45	4.00	3.80	
24	10.20	18.60	87.00	13.05	26.60	38.80	53.40	13.65	10.20	6.30	4.00	3.70	
25	10.50	19.60	80.00	13.05	24.60	46.80	46.00	13.80	9.90	6.00	3.90	3.60	
26	10.65	32.80	70.75	13.50	23.40	145.60	41.80	13.95	9.75	5.90	3.80	3.60	
27	11.25	48.60	61.60	13.80	21.80	217.00	37.40	13.65	9.60	5.70	3.80	3.50	
28	13.50	51.60	51.80	14.10	21.00	256.90	32.20	13.65	9.45	5.60	3.80	3.60	
29	13.35	49.00	48.00	14.55	19.60	268.40	30.00	13.35	9.30	5.50	3.70	3.80	
30	12.90	43.00	42.60	15.60	18.00	266.10	28.60	13.05	9.15	5.40		3.90	
31		34.00		15.80	18.40		26.80		9.15	5.30		4.10	
TOTAL	288.75	621.90	1393.25	650.60	716.75	2185.20	5037.65	475.40	347.25	225.10	129.40	118.30	12189.53 CMSDAY
MEAN	9.62	20.06	46.44	20.99	23.12	72.84	162.50	15.85	11.20	7.26	4.46	3.82	33.30 CMS
MAX	13.50	51.60	90.60	38.60	43.20	268.40	259.20	24.80	13.20	9.00	5.20	4.30	268.40 CMS
MIN	8.25	10.80	17.80	13.05	14.10	21.20	26.80	12.60	9.15	5.30	3.70	3.50	3.50 CMS
RUNOFF	24.948	53.732	120.377	56.212	61.927	188.801	435.252	41.075	30.002	19.449	11.180	10.221	1053.176 MCM

MOMENTARY PEAK 270.70 CMS, AT 9.19 M (A.D), AT 24.00 HOURS, ON SEP 29, 1979

RUNOFF YIELD 3.02 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 24.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

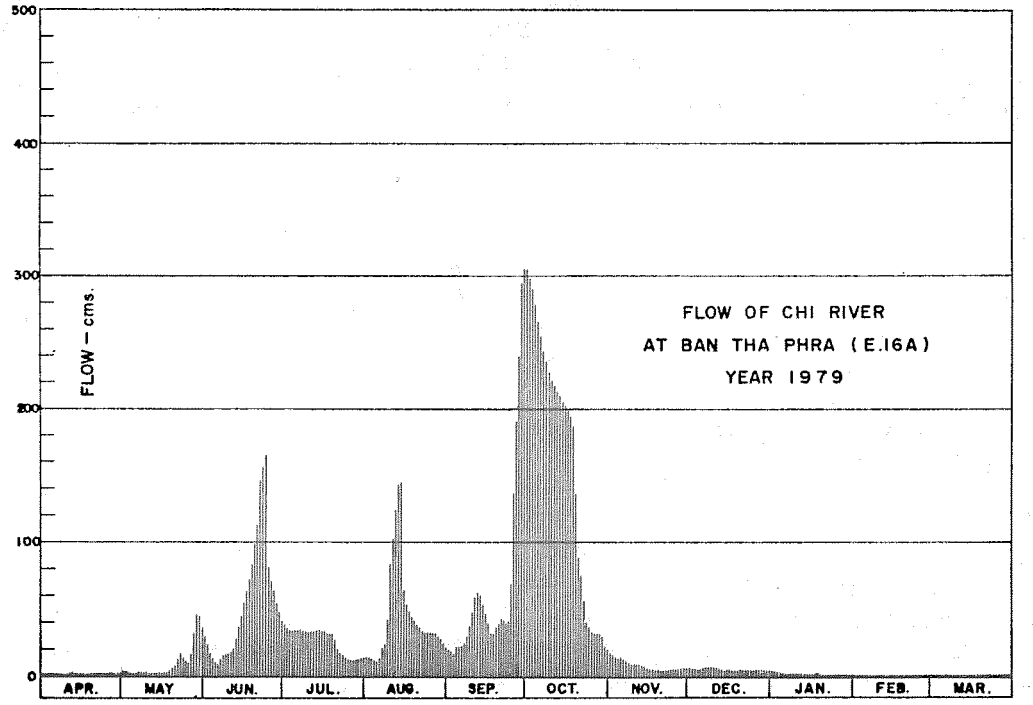
CHI RIVER AT BAN THA PHRA, KHON KAEN (E.16A)

LOCATION	LAT. 16°-21'-14" N., LONG. 102°-48'-09" E., ON LEFT BANK ABOUT 400 METERS UPSTREAM FROM THE BRIDGE OF KHON KAEN-MAHA SARAKHAM HIGHWAY, TAMBON DON HAN, AMPHOE MUANG KHON KAEN.
DRAINAGE AREA	13,171 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+142.94 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE ABUTMENT OF THE BRIDGE.
ELEVATION	+154.989 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1963, 1965 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1963, 1965 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	143.13	143.48	144.58	145.88	144.09	144.24	149.83	144.22	143.72	143.57	143.03	142.85	
2	143.11	143.47	144.36	145.62	144.09	144.23	149.73	144.15	143.68	143.54	143.01	142.85	
3	143.10	143.43	144.17	145.42	144.06	144.28	149.57	144.08	143.67	143.51	142.99	142.85	
4	143.13	143.40	144.02	145.29	144.01	144.34	149.37	144.05	143.68	143.49	142.99	142.84	
5	143.14	143.42	143.91	145.28	143.99	144.37	149.17	144.07	143.72	143.47	142.98	142.83	
6	143.12	143.47	143.89	145.35	144.05	144.35	148.99	144.05	143.76	143.45	142.98	142.82	
7	143.09	143.51	144.07	145.35	144.29	144.40	148.84	143.99	143.77	143.45	142.97	142.80	
8	143.08	143.51	144.14	145.27	144.40	144.60	148.71	143.94	143.78	143.45	142.96	142.80	
9	143.08	143.50	144.18	145.20	144.91	144.88	148.60	143.90	143.77	143.44	142.95	142.80	
10	143.15	143.47	144.19	145.13	144.76	145.12	148.50	143.87	143.75	143.44	142.94	142.80	
11	143.27	143.42	144.20	145.13	146.20	145.31	148.40	143.87	143.72	143.41	142.94	142.83	
12	143.32	143.39	144.32	145.24	146.68	145.39	148.30	143.87	143.69	143.39	142.93	142.84	
13	143.27	143.37	144.57	145.38	147.03	145.34	148.22	143.86	143.66	143.36	142.92	142.84	
14	143.24	143.34	144.74	145.46	147.05	145.15	148.15	143.83	143.65	143.34	142.91	142.83	
15	143.24	143.31	144.86	145.40	146.86	144.95	148.10	143.78	143.63	143.32	142.91	142.84	
16	143.22	143.28	145.06	145.27	146.56	144.76	148.03	143.72	143.63	143.29	142.90	142.86	
17	143.19	143.25	145.37	145.05	146.30	144.61	147.97	143.69	143.60	143.27	142.90	142.92	
18	143.18	143.32	145.65	144.79	146.14	144.60	147.92	143.67	143.59	143.25	142.89	142.93	
19	143.17	143.60	145.92	144.66	145.98	144.71	147.77	143.64	143.59	143.24	142.89	142.91	
20	143.17	143.79	146.26	144.53	145.76	144.84	147.46	143.63	143.60	143.22	142.88	142.89	
21	143.17	143.87	146.52	144.28	145.52	144.91	147.02	143.63	143.62	143.21	142.88	142.87	
22	143.17	144.07	147.03	144.20	145.28	144.87	146.54	143.66	143.64	143.19	142.88	142.86	
23	143.19	144.22	147.03	144.14	145.11	144.83	146.10	143.69	143.65	143.18	142.89	142.86	
24	143.31	144.09	147.42	144.12	144.97	144.91	145.69	143.71	143.65	143.16	142.89	142.85	
25	143.39	143.96	147.33	144.02	144.84	145.57	145.35	143.73	143.65	143.14	142.88	142.84	
26	143.33	143.91	147.14	144.00	144.71	146.63	145.08	143.72	143.64	143.12	142.86	142.83	
27	143.31	144.14	146.89	143.99	144.60	148.07	144.88	143.73	143.62	143.11	142.86	142.82	
28	143.32	144.70	146.64	144.00	144.53	149.13	144.72	143.75	143.62	143.10	142.86	142.82	
29	143.37	144.94	146.40	144.03	144.50	149.66	144.51	143.76	143.61	143.03	142.85	142.82	
30	143.46	144.92	146.15	144.07	144.42	149.83	144.32	143.74	143.60	143.06		142.81	
31		144.77		144.08	144.31		144.29		143.59	143.05		142.81	
MEAN	143.21	143.75	145.37	144.83	145.16	145.43	147.42	143.83	143.66	143.30	142.92	142.84	
MAX	143.46	144.94	147.42	145.88	147.05	149.83	149.83	144.22	143.78	143.57	143.03	142.93	149.83
MIN	143.08	143.25	143.89	143.99	143.99	144.23	144.29	143.63	143.59	143.03	142.85	142.80	142.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 149.86 M (MSL), AT 6.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION 142.94 M (MSL), RIVER BED 141.03 M (MSL)
LEFT BANK ELEVATION 157.77 M (MSL)
RIGHT BANK ELEVATION 157.80 M (MSL), DRAINAGE AREA 13171 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	3.52	31.66	39.44	14.70	19.40	305.70	18.70	6.72	4.61	0.15	0.00	
2	0.58	3.43	23.60	36.68	14.70	19.05	229.53	16.50	6.12	4.22	0.05	0.00	
3	0.50	3.07	17.10	34.96	13.80	17.40	289.70	14.40	5.98	3.83	0.00	0.00	
4	0.74	2.80	12.60	34.14	12.30	22.90	277.10	13.50	6.12	3.61	0.00	0.00	
5	0.82	2.98	10.02	34.08	11.78	23.95	265.70	14.10	6.72	3.43	0.00	0.00	
6	0.66	3.43	9.62	34.50	13.50	23.25	254.90	13.50	7.36	3.25	0.00	0.00	
7	0.45	3.83	14.10	34.50	21.15	25.00	245.90	11.78	7.52	3.25	0.00	0.00	
8	0.40	3.83	16.20	34.02	25.00	32.40	238.10	10.68	7.68	3.25	0.00	0.00	
9	0.40	3.70	17.40	33.60	44.40	43.20	231.50	9.80	7.52	3.16	0.00	0.00	
10	0.90	3.43	17.70	33.18	80.20	52.80	225.50	9.26	7.20	3.16	0.00	0.00	
11	1.79	2.98	18.00	33.18	100.70	60.42	219.70	9.26	6.72	2.89	0.00	0.00	
12	2.16	2.72	22.20	33.84	124.98	63.78	214.00	9.26	6.26	2.72	0.00	0.00	
13	1.79	2.56	31.29	34.68	143.66	61.68	209.57	9.08	5.84	2.48	0.00	0.00	
14	1.58	2.32	37.66	35.28	144.77	54.00	205.69	8.54	5.70	2.32	0.00	0.00	
15	1.58	2.08	42.40	34.80	64.24	46.00	202.92	7.68	5.42	2.16	0.00	0.00	
16	1.44	1.86	50.40	34.02	154.36	38.44	199.05	6.72	5.42	1.93	0.00	0.00	
17	1.22	1.65	62.94	32.80	47.10	32.77	195.72	6.26	5.00	1.79	0.00	0.00	
18	1.14	2.16	75.25	32.19	43.74	32.40	192.95	5.98	4.87	1.65	0.00	0.00	
19	1.06	5.00	87.40	32.06	40.90	36.49	184.65	5.56	4.87	1.58	0.00	0.00	
20	1.06	7.84	103.70	29.81	38.00	41.60	91.00	5.42	5.00	1.44	0.00	0.00	
21	1.06	9.20	116.82	20.80	35.78	44.40	90.64	5.42	5.28	1.37	0.00	0.00	
22	1.06	14.10	143.66	18.00	34.08	42.80	53.74	5.84	5.56	1.22	0.00	0.00	
23	1.22	18.70	159.17	16.20	33.06	40.80	42.90	6.26	5.70	1.14	0.00	0.00	
24	2.08	14.70	165.26	15.60	32.51	44.40	37.31	6.56	5.70	0.98	0.00	0.00	
25	2.72	11.12	84.50	12.60	32.24	71.65	34.50	6.88	5.70	0.82	0.00	0.00	
26	2.24	10.02	75.68	12.00	32.11	122.43	32.92	6.72	5.56	0.66	0.00	0.00	
27	2.08	16.20	65.41	11.78	32.00	201.26	32.28	6.88	5.28	0.58	0.00	0.00	
28	2.16	36.10	56.84	12.00	29.81	263.30	32.12	7.20	5.28	0.50	0.00	0.00	
29	2.56	45.60	49.40	12.90	28.70	295.21	29.07	7.36	5.14	0.40	0.00	0.00	
30	3.34	44.80	43.95	14.10	25.74	305.70	22.20	7.04	5.00	0.30		0.00	
31		38.83		14.40	21.85		21.15		4.87	0.25		0.00	
TOTAL	41.53	324.56	1661.93	842.14	1491.86	2178.88	4907.70	272.14	183.11	64.95	0.20	0.00	11968.99 CMSDAY
MEAN	1.38	10.47	55.40	27.17	48.12	72.63	158.31	9.07	5.91	2.10	0.01	0.00	32.70 CMS
MAX	3.34	45.60	165.26	39.44	154.36	305.70	305.70	18.70	7.68	4.61	0.15	0.00	305.70 CMS
MIN	0.40	1.65	9.62	11.78	11.78	17.40	21.15	5.42	4.87	0.25	0.00	0.00	0.00 CMS
RUNOFF	3.588	28.042	143.591	72.761	128.897	188.255	424.025	23.513	15.821	5.612	0.017	0.000	1034.121 MCM

MOMENTARY PEAK 307.55 CMS, AT 149.86 M (MSL), AT 6.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 2.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

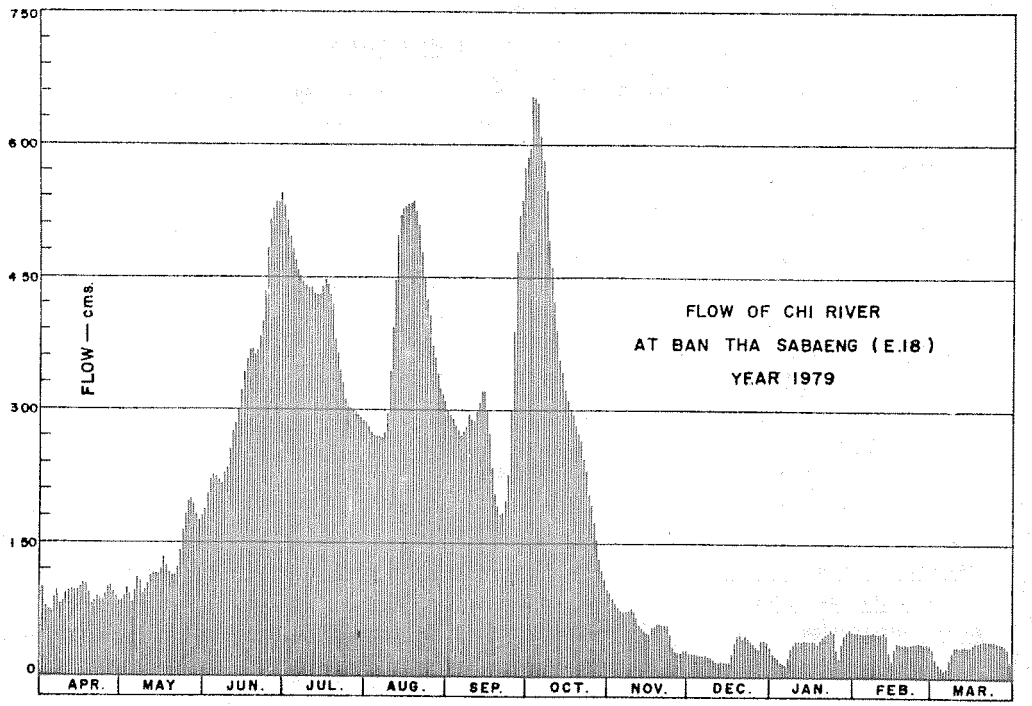
CHI RIVER AT BAN THA SABAENG, ROI ET (E.18)

LOCATION	LAT. 16°-01'-59" N., LONG. 103°-54'-38" E., ON LEFT BANK AT BAN THA SABAENG, AMPHOE THAWATCHABURI, ROI ET.
DRAINAGE AREA	41,594 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+122.244 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	BESIDE THE OLD STAFF GAGE.
ELEVATION	+132.934 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 127 DISCHARGE MEASUREMETS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.79	124.59	125.92	129.53	126.94	127.17	130.06	124.70	123.56	123.53	124.05	123.63	
2	124.65	124.73	126.12	129.41	126.90	127.08	130.15	124.60	123.54	123.48	124.05	123.43	
3	124.39	124.80	126.31	129.25	126.85	126.99	130.18	124.53	123.53	123.42	124.05	123.28	
4	124.33	124.64	126.39	129.14	126.82	126.91	130.17	124.47	123.51	123.37	124.05	123.23	
5	124.47	124.56	126.39	129.02	126.80	126.87	130.13	124.44	123.49	123.33	124.05	123.22	
6	124.69	124.80	126.35	128.90	126.82	126.84	130.00	124.44	123.47	123.32	124.03	123.23	
7	124.71	124.96	126.29	128.82	126.82	126.89	129.79	127.43	123.46	123.49	124.02	123.42	
8	124.67	124.87	126.30	128.77	126.89	126.95	129.52	127.45	123.43	123.75	124.02	123.62	
9	124.66	124.68	126.47	128.74	127.14	127.02	129.16	127.49	123.40	123.82	124.02	123.69	
10	124.72	124.77	126.51	128.74	127.58	126.99	128.79	124.41	123.38	123.84	124.02	123.71	
11	124.74	124.87	126.84	128.72	128.02	127.00	128.45	124.30	123.37	123.83	124.02	123.72	
12	124.74	125.01	126.90	128.66	128.53	127.10	128.14	124.16	123.37	123.83	124.03	123.71	
13	124.74	125.04	126.95	128.63	128.97	127.22	127.86	124.08	123.35	123.82	123.91	123.71	
14	124.75	124.01	127.13	128.65	129.26	127.28	127.66	124.04	123.35	123.84	123.54	123.71	
15	124.80	124.01	127.32	128.72	129.42	127.26	127.48	124.01	123.35	123.82	123.39	123.71	
16	124.84	125.16	127.50	128.79	129.51	127.08	127.33	124.00	123.37	123.82	123.70	123.76	
17	124.85	125.24	127.61	128.80	129.57	126.75	127.19	124.13	123.55	123.80	123.79	123.79	
18	124.79	125.12	127.71	128.72	129.58	126.41	127.04	124.17	123.82	123.80	123.78	123.82	
19	124.56	125.03	127.71	128.53	129.54	126.12	126.93	124.23	123.96	123.86	123.76	123.85	
20	124.48	125.00	127.64	128.27	129.45	125.97	126.82	124.20	123.96	123.96	123.76	123.85	
21	124.61	125.03	127.71	128.00	129.29	125.86	126.72	124.16	123.90	124.01	123.76	123.83	
22	124.66	125.16	127.90	127.77	129.08	125.93	126.60	124.16	123.87	124.04	123.78	123.83	
23	124.65	125.39	128.05	127.53	128.83	126.13	126.42	124.16	123.87	124.06	123.79	123.83	
24	124.68	125.71	128.41	127.35	128.58	126.56	126.21	123.91	123.81	124.00	123.80	123.82	
25	124.68	125.91	128.88	127.22	128.39	127.26	125.95	123.69	123.74	123.65	123.80	123.80	
26	124.81	126.03	129.22	127.17	128.13	128.20	125.70	123.58	123.69	123.42	123.81	123.78	
27	124.80	126.05	129.50	127.17	127.90	128.95	125.45	123.57	123.70	123.78	123.78	123.75	
28	124.68	125.96	129.63	127.09	127.71	129.44	125.23	123.60	123.83	123.99	123.74	123.72	
29	124.58	125.85	129.64	127.04	127.52	129.79	125.06	123.61	123.85	124.06	123.73	123.63	
30	124.57	125.73	129.61	127.01	127.40	129.97	124.92	123.59	123.81	124.07		123.42	
31		125.83		126.98	127.28		124.78		123.70	124.05		123.26	
MEAN	124.67	125.11	127.50	128.29	128.11	127.20	127.61	124.44	123.61	123.77	123.86	123.64	
MAX	124.85	126.05	129.64	129.53	129.58	129.97	130.18	127.49	123.96	124.07	124.05	123.85	130.18
MIN	124.33	124.01	125.92	126.98	126.80	125.86	124.78	123.57	123.35	123.32	123.39	123.22	123.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 130.18 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 122.24 M (MSL), RIVER BED 120.13 M (MSL)
LEFT BANK ELEVATION 132.90 M (MSL)
RIGHT BANK ELEVATION 132.72 M (MSL), DRAINAGE AREA 41594 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	99.3	85.3	188.3	533.9	284.4	300.2	593.0	93.0	28.0	26.5	52.5	31.5	
2	89.5	95.1	204.4	518.3	280.0	295.0	606.5	86.0	27.0	24.0	52.5	21.5	
3	71.4	100.0	219.7	498.0	274.5	289.9	654.2	81.1	26.5	21.0	52.5	14.0	
4	68.0	88.8	226.2	484.8	271.2	281.1	651.3	78.3	25.5	18.5	52.5	11.5	
5	76.9	83.2	226.2	470.4	269.0	276.7	639.7	74.8	24.5	16.5	52.5	11.0	
6	92.3	100.0	223.0	457.0	271.2	273.4	606.0	74.8	23.5	16.0	51.5	11.5	
7	93.7	111.2	218.1	448.2	271.2	278.9	570.5	74.1	23.0	24.5	51.0	21.0	
8	90.9	104.9	218.9	442.7	278.9	285.5	532.6	75.5	21.5	37.5	51.0	31.0	
9	90.2	91.6	234.0	439.4	306.4	293.2	487.2	78.3	20.0	41.0	51.0	34.5	
10	94.4	97.9	238.0	439.4	354.8	289.9	444.9	72.7	19.0	42.0	51.0	35.5	
11	95.8	104.9	273.4	437.2	410.6	291.0	410.0	66.3	18.5	41.5	51.0	36.0	
12	95.8	114.8	280.0	431.0	476.9	302.0	379.0	58.4	18.5	41.5	51.5	35.5	
13	95.8	117.2	285.5	428.0	509.8	315.2	353.8	54.0	17.5	41.0	45.5	35.5	
14	95.8	114.8	305.3	430.0	521.4	321.8	337.8	52.0	17.5	42.0	27.0	35.5	
15	100.0	114.8	326.2	437.2	527.8	319.6	323.4	50.5	17.5	41.0	19.5	35.5	
16	102.8	126.9	346.0	444.9	531.4	299.8	311.4	50.0	18.5	41.0	35.0	38.0	
17	103.5	133.4	358.2	446.0	533.8	263.5	301.4	56.7	27.5	40.0	39.5	39.5	
18	99.3	123.7	370.3	437.2	534.2	228.0	293.0	59.0	41.0	40.0	39.0	41.0	
19	83.2	116.4	370.3	418.0	535.2	204.4	283.3	62.4	48.0	43.0	38.0	42.5	
20	77.6	114.0	361.8	392.0	523.5	192.3	271.2	60.7	48.0	48.0	38.0	42.5	
21	86.7	116.4	370.3	366.0	502.8	183.4	260.2	58.4	45.0	50.5	38.0	41.5	
22	90.2	126.9	395.0	346.0	477.6	189.1	247.0	58.4	43.5	52.0	39.0	41.5	
23	89.5	145.5	414.5	327.4	449.3	205.2	229.0	58.4	43.5	53.0	39.5	41.5	
24	91.6	171.3	461.3	313.0	423.0	243.0	211.7	45.5	40.5	50.0	40.0	41.5	
25	91.6	187.4	506.2	303.4	404.0	319.6	190.7	34.5	37.0	32.5	40.0	40.0	
26	100.7	197.1	519.8	300.2	378.0	434.0	170.5	29.0	34.5	21.0	40.5	39.0	
27	100.0	198.7	531.0	300.2	357.0	509.0	150.3	28.5	35.0	39.0	39.0	37.5	
28	91.6	191.5	536.2	295.5	341.8	528.6	132.6	30.0	41.5	49.5	37.0	36.0	
29	84.6	182.6	536.6	293.0	326.6	552.5	118.8	30.6	42.5	53.0	36.5	31.5	
30	83.9	172.9	544.4	291.5	317.0	579.5	108.4	29.5	40.5	53.5		21.0	
31		181.0		288.8	307.6		98.6		35.0	52.5		13.0	
TOTAL	2726.6	4010.2	10289.1	12458.6	12250.9	9345.3	10968.0	1761.4	949.5	1193.0	1251.5	988.5	68192.5 CMSDAY
MEAN	90.9	129.4	343.0	401.9	395.2	311.5	353.8	58.7	30.6	38.5	43.2	31.9	186.3 CMS
MAX	103.5	198.7	544.4	533.9	535.2	579.5	654.2	93.0	48.0	53.5	52.5	42.5	654.2 CMS
MIN	68.0	83.2	188.3	288.8	269.0	183.4	98.6	28.5	17.5	16.0	19.5	11.0	11.0 CMS
RUNOFF	235.58	346.48	888.98	1076.42	1058.48	807.43	947.63	152.18	82.04	103.08	108.13	85.41	5891.83 MCM

MOMENTARY PEAK 654.20 CMS, AT 130.18 M (MSL), AT 24.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 4.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.73 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

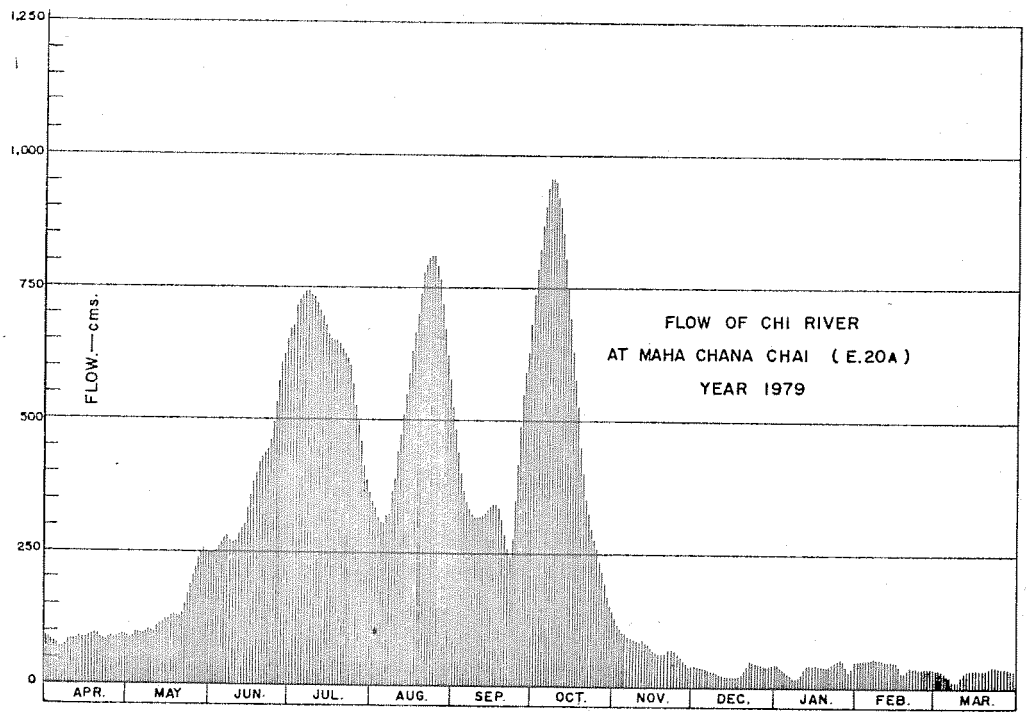
CHI RIVER AT MAHA CHANA CHAI, YASOTHON (E.20A)

LOCATION	LAT. 15°-31'-59" N., LONG. 104°-15'-24" E., ON RIGHT BANK ABOUT 800 METERS UPSTREAM FROM E.20 STATION, AMPHOE MAHA CHANA CHAI, YASOTHON.
DRAINAGE AREA	47,818 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+112.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF THE POLICE STATION.
ELEVATION	+131.297 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 138 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	115.68	115.72	117.48	120.66	118.37	119.74	120.83	116.18	114.98	115.03	115.17	114.95	
2	115.68	115.70	117.51	120.72	118.25	119.41	120.99	116.03	114.97	114.98	115.17	114.92	
3	115.67	115.74	117.53	120.80	118.14	119.12	121.12	115.93	114.94	114.93	115.17	114.88	
4	115.62	115.83	117.60	120.86	118.06	118.83	121.24	115.88	114.92	114.84	115.17	114.77	
5	115.52	115.83	117.67	120.90	118.03	118.59	121.34	115.79	114.90	114.78	115.18	114.66	
6	115.45	115.80	117.76	120.92	118.10	118.39	121.44	115.74	114.88	114.72	115.18	114.59	
7	115.52	115.76	117.79	120.93	118.48	118.28	121.49	115.70	114.85	114.70	115.18	114.55	
8	115.64	115.85	117.75	120.92	118.50	118.18	121.49	115.70	114.83	114.65	115.17	114.54	
9	115.67	115.91	117.69	120.91	118.64	118.14	121.48	115.66	114.81	114.66	115.16	114.60	
10	115.67	115.87	117.65	120.90	118.99	118.11	121.45	115.65	114.99	114.82	115.15	114.72	
11	115.68	115.84	117.73	120.86	119.29	118.13	121.39	115.67	114.76	114.94	115.15	114.81	
12	115.71	115.94	117.82	120.83	119.53	118.16	121.30	115.64	114.73	115.00	115.15	114.86	
13	115.72	116.02	117.91	120.77	119.78	118.19	121.18	115.56	114.73	115.02	115.15	114.88	
14	115.73	116.06	118.03	120.70	120.02	118.24	120.99	115.47	114.76	115.02	115.15	114.91	
15	115.72	116.10	118.15	120.64	120.21	118.31	120.76	115.41	114.72	115.01	115.08	114.91	
16	115.73	116.12	118.45	120.58	120.40	118.36	120.44	115.36	114.71	115.01	114.92	114.90	
17	115.76	116.16	118.69	120.53	120.59	118.36	120.07	115.34	114.71	115.01	114.79	114.90	
18	115.81	116.24	118.84	120.55	120.75	118.26	119.67	115.31	114.71	115.01	114.81	114.91	
19	115.82	116.23	118.94	120.54	120.91	118.09	119.24	115.32	114.79	115.01	114.94	114.94	
20	115.78	116.18	119.03	120.50	121.00	117.86	118.85	115.37	114.74	115.00	114.97	114.96	
21	115.69	116.21	119.11	120.46	121.07	117.56	118.53	115.43	115.05	115.02	114.96	114.98	
22	115.61	116.37	119.19	120.40	121.12	117.42	118.23	115.44	115.11	115.06	114.95	115.00	
23	115.65	116.49	119.25	120.35	121.15	117.62	118.02	115.41	115.11	115.11	114.94	115.00	
24	115.71	116.73	119.36	120.22	121.15	118.16	117.84	115.39	115.09	115.16	114.95	114.98	
25	115.70	117.00	119.65	120.03	121.13	118.66	117.66	115.35	115.07	115.18	114.96	114.98	
26	115.70	117.24	119.91	119.77	121.05	119.32	117.44	115.24	115.04	115.14	114.97	114.97	
27	115.71	117.41	120.11	119.57	120.93	119.86	117.22	115.12	115.01	115.99	114.97	114.97	
28	115.77	117.53	120.27	119.28	120.78	120.17	116.98	115.03	115.98	114.85	114.98	114.96	
29	115.81	117.58	112.42	118.99	120.58	120.43	116.74	114.97	115.97	114.92	114.97	114.95	
30	115.77	117.55	112.56	118.70	120.33	120.62	116.52	114.98	115.02	115.05		114.91	
31		117.49		118.50	120.05		116.33		115.05	115.13		114.86	
MEAN	115.69	116.34	118.06	120.36	119.85	118.62	119.62	115.50	114.97	114.99	115.05	114.86	
MAX	115.82	117.58	120.27	120.93	121.15	120.62	121.49	116.18	115.98	115.99	115.18	115.00	121.49
MIN	115.45	115.70	112.42	118.50	118.03	117.42	116.33	114.97	114.71	114.65	114.78	114.54	112.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 121.52 M (MSL), AT 20:00 HOURS, ON OCT 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 112.00 M (MSL), RIVER BED 116.30 M (MSL)
LEFT BANK ELEVATION 124.25 M (MSL)
RIGHT BANK ELEVATION 124.25 M (MSL), DRAINAGE AREA 47818 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	85.6	88.6	244.7	671.6	344.7	510.9	712.4	126.2	36.6	40.1	49.9	34.5	
2	85.6	87.0	248.0	684.8	330.5	467.5	759.0	113.4	35.9	36.6	49.9	32.4	
3	84.9	90.2	250.2	704.0	317.6	433.2	799.8	105.4	33.8	33.1	49.9	29.6	
4	81.4	97.4	257.8	720.8	308.3	399.0	842.2	101.4	32.4	26.8	49.9	22.2	
5	74.4	97.4	265.4	732.0	304.9	370.7	882.6	94.2	31.0	22.8	50.6	15.6	
6	69.5	95.0	275.3	738.0	312.9	347.1	928.6	90.2	29.6	19.2	50.6	11.4	
7	74.4	91.8	278.5	741.0	316.2	334.1	953.1	87.0	27.5	18.0	50.6	9.0	
8	82.8	99.0	274.2	738.0	360.0	322.3	953.1	87.0	26.1	15.0	49.9	8.4	
9	82.9	103.8	267.6	735.0	376.6	317.6	948.2	84.2	24.7	15.6	49.9	12.0	
10	84.9	100.6	263.3	732.0	417.9	314.1	933.5	82.5	23.4	25.4	48.5	19.2	
11	85.6	98.2	272.0	720.8	453.3	316.4	904.6	84.9	21.6	33.8	48.5	24.7	
12	87.8	106.2	281.8	712.4	482.0	320.0	865.0	82.8	19.8	38.0	48.5	28.2	
13	88.6	112.6	291.6	696.8	516.8	323.5	820.2	77.2	19.8	39.4	48.5	29.6	
14	89.4	115.8	304.9	680.0	556.0	329.4	759.1	70.9	21.6	39.4	48.5	31.7	
15	88.6	119.0	318.8	667.4	588.6	337.6	694.4	66.7	19.2	38.7	43.6	31.7	
16	89.4	120.8	354.1	655.1	621.5	343.5	628.7	63.2	18.6	38.7	32.4	31.0	
17	91.8	124.4	382.5	645.3	657.0	343.5	596.5	61.8	18.6	38.7	22.8	31.0	
18	95.8	131.6	100.2	649.2	692.0	331.7	500.7	59.7	18.6	38.7	24.7	31.7	
19	96.6	130.7	412.0	647.3	735.0	311.8	447.4	60.4	23.4	38.7	33.8	33.8	
20	93.4	126.2	422.6	639.5	762.0	286.2	401.4	63.9	33.8	38.0	35.9	35.2	
21	86.3	128.2	432.1	632.3	783.7	253.4	363.6	68.1	41.5	39.4	35.2	36.6	
22	80.7	143.3	441.5	621.5	799.8	238.2	328.2	68.8	45.7	42.2	34.5	38.0	
23	83.5	154.1	448.6	612.8	810.0	260.0	304.9	66.7	45.7	45.7	33.8	38.0	
24	87.8	175.7	461.6	590.4	810.0	320.8	284.0	65.3	44.3	49.2	34.5	36.6	
25	87.0	200.0	497.9	557.7	803.2	378.9	264.3	62.5	42.9	50.6	35.2	36.6	
26	87.0	221.6	537.4	515.3	777.5	456.8	240.4	54.8	40.8	47.8	35.9	35.9	
27	87.8	237.1	572.6	487.1	741.0	529.3	219.8	46.4	38.7	37.3	36.0	35.9	
28	92.6	250.2	599.0	448.6	699.2	581.7	198.2	40.1	36.6	27.5	36.6	35.2	
29	95.8	255.6	625.1	414.3	655.1	626.9	176.6	35.9	35.9	32.4	36.0	34.5	
30	92.6	252.4	651.2	383.7	609.4	663.2	156.8	36.6	39.4	41.5		31.7	
31		245.8		360.0	561.1		139.7		41.5	47.1		28.2	
TOTAL	2594.5	4400.3	11032.5	19534.7	17503.8	11369.3	18007.0	2209.2	969.0	1095.4	1204.6	890.1	90810.2 CMSDAY
MEAN	86.5	141.9	367.7	630.2	564.6	379.0	580.9	73.6	31.3	35.3	41.5	28.7	248.1 CMS
MAX	96.6	255.6	651.2	741.0	810.0	663.2	953.1	126.2	45.7	50.6	50.6	38.0	953.1 CMS
MIN	69.5	87.0	100.2	360.0	304.9	238.2	139.7	35.9	18.6	15.0	22.8	8.4	8.4 CMS
RUNOFF	224.16	380.19	953.21	1687.80	1512.33	982.31	1555.80	190.87	83.72	94.64	104.08	76.90	7846.00 MCM

MOMENTARY PEAK 969.80 CMS, AT 121.52 M (MSL), AT 20.00 HOURS, ON OCT 7, 1979

RUNOFF YIELD 5.19 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER AT BAN KAENG KO, CHAIYAPHUM (E.21)

LOCATION — LAT. 15°-45'-07" N., LONG. 102°-15'-24" E., ON LEFT BANK ABOUT 75 METERS UPSTREAM FROM THE BRIDGE AT BAN KAENG KO, AMPHOE MUANG, CHAIYAPHUM.

DRAINAGE AREA — 8,912 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +9.433 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1955-1957, 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968-1971, 1973-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968-1971, 1973-1974

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1974.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

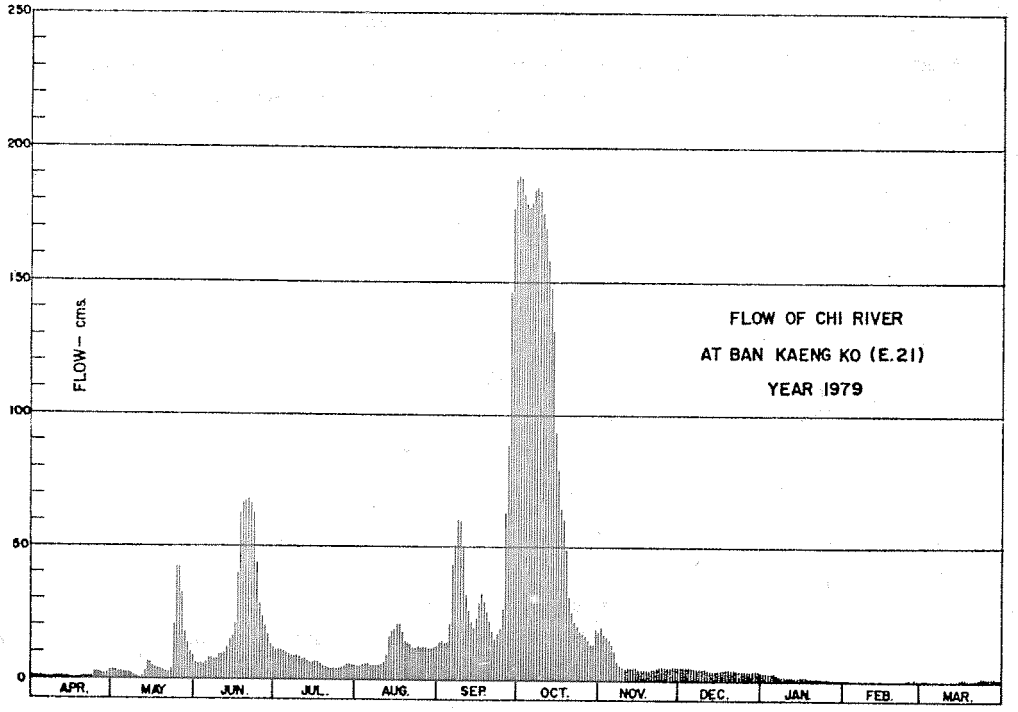
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.27	1.42	1.56	1.74	1.53	1.84	7.20	1.94	1.52	1.40	1.25	1.22	
2	1.26	1.41	1.53	1.72	1.55	1.83	7.16	1.91	1.51	1.38	1.25	1.21	
3	1.25	1.39	1.52	1.74	1.56	1.79	7.07	1.88	1.51	1.38	1.24	1.20	
4	1.24	1.37	1.54	1.74	1.57	1.84	6.97	1.84	1.49	1.36	1.22	1.20	
5	1.24	1.35	1.59	1.70	1.57	2.08	6.92	1.80	1.48	1.36	1.23	1.20	
6	1.24	1.35	1.63	1.67	1.53	2.33	6.98	1.68	1.46	1.35	1.23	1.20	
7	1.23	1.36	1.61	1.66	1.52	2.60	7.06	1.56	1.46	1.34	1.24	1.20	
8	1.24	1.35	1.58	1.66	1.53	2.76	7.09	1.53	1.46	1.32	1.24	1.21	
9	1.24	1.32	1.63	1.65	1.53	2.70	7.04	1.52	1.45	1.32	1.23	1.21	
10	1.25	1.30	1.68	1.62	1.54	2.48	6.91	1.52	1.45	1.32	1.23	1.20	
11	1.26	1.28	1.67	1.61	1.58	2.26	6.70	1.50	1.47	1.31	1.22	1.20	
12	1.25	1.29	1.73	1.63	1.68	2.11	6.39	1.50	1.47	1.31	1.22	1.20	
13	1.23	1.40	1.80	1.61	1.87	2.00	6.01	1.50	1.46	1.31	1.21	1.20	
14	1.22	1.55	1.86	1.57	1.90	1.95	5.58	1.48	1.46	1.30	1.21	1.21	
15	1.22	1.55	1.90	1.57	1.94	2.04	5.07	1.47	1.47	1.31	1.21	1.22	
16	1.21	1.50	2.02	1.59	1.99	2.18	4.43	1.47	1.47	1.32	1.20	1.24	
17	1.19	1.46	2.51	1.59	1.99	2.24	3.73	1.46	1.47	1.32	1.20	1.23	
18	1.20	1.43	3.02	1.56	1.90	2.17	3.06	1.46	1.47	1.31	1.20	1.20	
19	1.26	1.42	3.30	1.52	1.83	2.08	2.53	1.45	1.46	1.31	1.20	1.19	
20	1.30	1.39	3.37	1.49	1.82	2.00	2.21	1.47	1.45	1.30	1.20	1.18	
21	1.29	1.37	3.34	1.46	1.79	1.92	2.06	1.47	1.45	1.29	1.20	1.19	
22	1.28	1.37	3.18	1.45	1.78	1.87	2.00	1.49	1.44	1.28	1.20	1.24	
23	1.31	1.45	2.80	1.47	1.78	1.90	1.97	1.52	1.43	1.27	1.21	1.28	
24	1.39	2.04	2.38	1.48	1.78	2.01	1.93	1.52	1.42	1.27	1.21	1.28	
25	1.39	2.42	2.14	1.48	1.78	2.23	1.90	1.51	1.42	1.26	1.22	1.28	
26	1.38	2.41	2.07	1.48	1.78	3.01	1.88	1.49	1.41	1.26	1.23	1.27	
27	1.35	2.13	1.97	1.52	1.78	4.47	1.83	1.48	1.41	1.26	1.24	1.25	
28	1.33	1.92	1.89	1.55	1.78	6.13	1.78	1.49	1.41	1.26	1.24	1.24	
29	1.36	1.79	1.83	1.55	1.78	6.91	1.83	1.51	1.41	1.26	1.24	1.24	
30	1.42	1.69	1.78	1.54	1.78	7.16	1.94	1.52	1.40	1.26		1.23	
31		1.62		1.52	1.79		1.93		1.40	1.26		1.22	
MEAN	1.28	1.55	2.08	1.59	1.73	2.70	4.42	1.56	1.45	1.31	1.22	1.22	
MAX	1.42	2.42	3.37	1.74	1.99	7.16	7.20	1.94	1.52	1.40	1.25	1.28	7.20
MIN	1.19	1.28	1.52	1.45	1.52	1.79	1.78	1.45	1.40	1.26	1.20	1.18	1.18

ANNUAL MAX MOMENTARY GAGE HEIGHT — 7.20 M (A.D.), AT 1.00 HOURS, ON OCT 1, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -1.13 M (A.D.)

LEFT BANK ELEVATION — 9.04 M (A.D.)

RIGHT BANK ELEVATION — 8.74 M (A.D.), DRAINAGE AREA 8912 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	3.40	6.20	11.20	5.60	14.80	188.43	18.60	5.40	3.00	0.50	0.20	
2	0.60	3.20	5.60	10.60	6.00	14.20	186.85	17.40	5.20	2.60	0.50	0.10	
3	0.50	2.80	5.40	11.20	6.20	12.70	183.29	16.20	5.20	2.60	0.40	0.00	
4	0.40	2.40	5.80	11.20	6.40	14.60	179.34	14.60	4.80	2.20	0.20	0.00	
5	0.40	2.00	6.80	10.00	6.40	24.60	177.36	13.00	4.60	2.20	0.30	0.00	
6	0.40	2.00	7.90	9.10	5.60	36.80	179.73	9.40	4.20	2.00	0.30	0.00	
7	0.30	2.20	7.30	8.80	5.40	53.00	182.90	6.20	4.20	1.80	0.40	0.00	
8	0.40	2.00	6.60	8.80	5.60	60.60	184.08	5.60	4.20	1.40	0.40	0.10	
9	0.40	1.40	7.90	8.50	5.60	60.00	182.10	5.40	4.00	1.40	0.30	0.10	
10	0.50	1.00	9.40	7.60	5.80	45.80	176.97	5.40	4.00	1.40	0.30	0.00	
11	0.60	0.80	9.10	7.30	6.60	33.00	168.67	5.00	4.40	1.20	0.20	0.00	
12	0.50	0.90	10.90	7.90	9.40	25.95	156.41	5.00	4.40	1.20	0.20	0.00	
13	0.30	3.00	13.00	7.30	15.80	21.00	141.40	5.00	4.20	1.20	0.10	0.00	
14	0.20	6.00	15.40	6.40	17.00	19.00	126.30	4.60	4.20	1.00	0.10	0.10	
15	0.20	6.00	17.00	6.40	18.60	22.80	109.10	4.40	4.40	1.20	0.10	0.20	
16	0.10	5.00	21.90	6.80	20.60	29.10	90.25	4.40	4.40	1.40	0.00	0.40	
17	0.00	4.20	47.60	6.80	20.60	32.00	74.60	4.20	4.40	1.40	0.00	0.30	
18	0.00	3.60	63.20	6.20	17.00	28.65	63.60	4.20	4.40	1.20	0.00	0.00	
19	0.60	3.40	67.00	5.40	14.20	24.60	48.80	4.00	4.20	1.20	0.00	0.00	
20	1.00	2.80	68.05	4.80	13.80	21.00	30.50	4.40	4.00	1.00	0.00	0.00	
21	0.90	2.40	67.60	4.20	12.70	17.80	23.70	4.40	4.00	0.90	0.00	0.00	
22	0.80	2.40	65.20	4.00	12.40	15.80	21.00	4.80	3.80	0.80	0.00	0.40	
23	1.20	4.00	61.00	4.40	12.40	17.00	19.80	5.40	3.60	0.70	0.10	0.80	
24	2.80	22.80	39.80	4.60	12.40	21.45	18.20	5.40	3.40	0.70	0.10	0.80	
25	2.80	42.20	27.30	4.60	12.40	31.50	17.00	5.20	3.40	0.60	0.20	0.80	
26	2.60	41.60	24.15	4.60	12.40	63.10	16.20	4.80	3.20	0.60	0.30	0.70	
27	2.00	26.85	19.80	5.40	12.40	91.25	14.20	4.60	3.20	0.60	0.40	0.50	
28	1.60	17.80	16.60	6.00	12.40	146.14	12.40	4.80	3.20	0.60	0.40	0.40	
29	2.20	12.70	14.20	6.00	12.40	176.97	14.20	5.20	3.20	0.60	0.40	0.40	
30	3.40	9.70	12.40	5.80	12.40	186.85	18.60	5.40	3.00	0.60		0.30	
31		7.60		5.40	12.70		18.20		3.00	0.60		0.20	
TOTAL	28.40	248.15	750.10	217.30	349.20	1361.86	3024.18	207.00	125.80	39.90	6.20	6.80	6364.88 CMSDAY
MEAN	0.95	8.00	25.00	7.01	11.26	45.40	97.55	6.90	4.06	1.29	0.21	0.22	17.39 CMS
MAX	3.40	42.20	68.05	11.20	20.60	186.85	188.43	18.60	5.40	3.00	0.50	0.80	188.43 CMS
MIN	0.00	0.80	5.40	4.00	5.40	12.70	12.40	4.00	3.00	0.60	0.00	0.00	0.00 CMS
RUNOFF	2.454	21.440	64.809	18.775	30.171	117.665	261.289	17.885	10.869	3.447	0.536	0.588	549.926 MCM

MOMENTARY PEAK 188.43 CMS, AT 7.20 M (A.D), AT 1.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 1.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 21.14 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

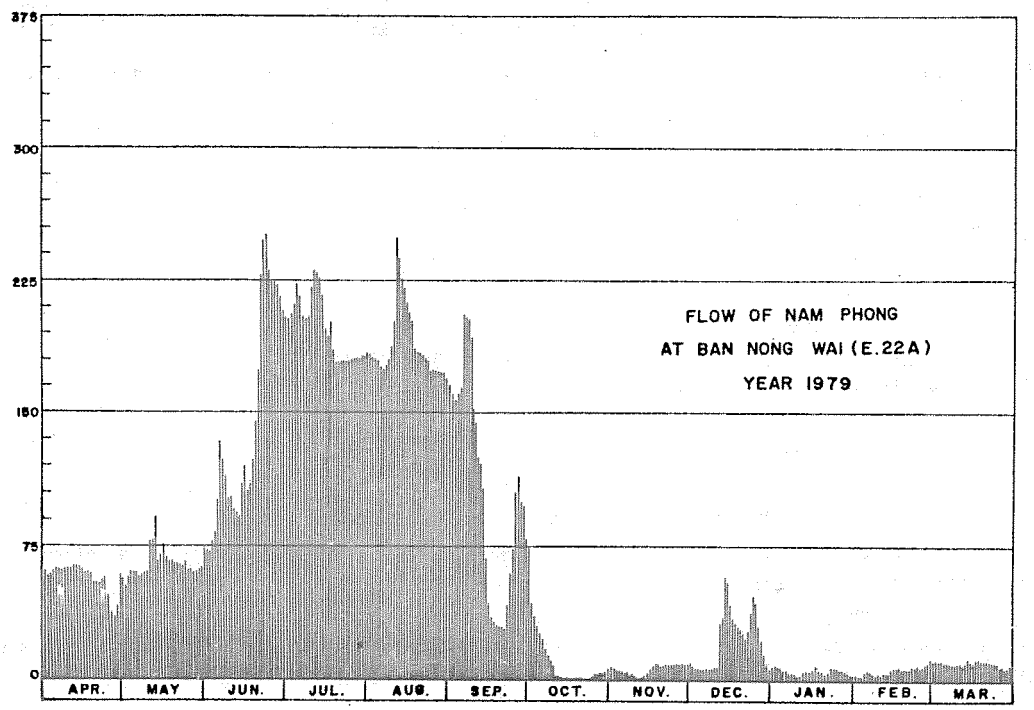
NAM PHONG AT BAN NONG WAI, KHON KAEN (E.22A)

LOCATION	LAT. 16°-43'-29" N., LONG. 102°-48'-21" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM THE BRIDGE OF KHON KAEN-UDON THANI HIGHWAY, AMPHOE NAM PHONG, KHON KAEN.
DRAINAGE AREA	13,183 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+150.92 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+161.766 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 93 DISCHARGE MEASUREMENTS MADE DURING 1972-1976. FLOW REGULATED BY UBONRAT DAM AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	155.28	155.09	155.65	158.64	158.25	157.87	155.24	153.42	153.53	153.49	153.14	153.63	
2	155.19	155.00	155.57	158.65	158.21	157.76	154.76	153.39	153.41	153.47	153.13	153.62	
3	155.21	155.25	155.58	158.71	158.20	157.65	154.54	153.36	153.39	153.41	153.12	153.59	
4	155.25	155.25	155.92	158.86	158.20	157.72	154.35	153.32	153.43	153.36	153.29	153.56	
5	155.32	155.26	156.20	159.03	158.15	157.86	154.23	153.28	153.39	153.32	153.35	153.57	
6	155.33	155.20	157.14	158.89	158.06	158.71	154.12	153.27	153.37	153.30	153.29	153.56	
7	155.32	155.15	156.88	158.71	158.06	158.68	153.91	153.22	153.38	153.22	153.25	153.55	
8	155.31	155.27	156.82	158.67	158.17	158.67	153.75	153.17	153.44	153.20	153.19	153.53	
9	155.29	155.28	156.36	158.63	158.34	158.46	153.59	153.16	153.47	153.18	153.20	153.52	
10	155.29	155.26	156.42	158.93	158.54	157.58	153.40	153.11	153.46	153.16	153.23	153.51	
11	155.32	155.78	156.22	159.08	158.84	157.32	153.15	153.09	153.55	153.13	153.26	153.55	
12	155.37	155.81	156.20	159.18	159.49	156.91	153.12	153.13	154.36	153.33	153.28	153.54	
13	155.35	156.10	156.12	159.14	159.21	156.58	153.09	153.19	154.51	153.37	153.27	153.67	
14	155.32	155.46	156.57	159.00	159.07	156.36	153.09	153.27	155.18	153.37	153.37	153.65	
15	155.29	155.61	156.82	158.79	158.96	155.14	153.08	153.35	155.07	153.34	153.41	153.58	
16	155.26	155.71	156.74	158.52	158.77	154.73	153.06	153.45	154.65	153.41	153.45	153.58	
17	155.26	155.49	156.49	158.45	158.72	154.47	153.05	153.50	154.44	153.45	153.42	153.66	
18	155.19	155.43	156.82	158.56	158.55	154.36	153.04	153.52	154.37	153.29	153.40	153.64	
19	155.10	155.47	157.48	158.21	158.30	154.35	153.04	153.50	154.28	153.26	153.41	153.59	
20	155.10	155.39	157.88	158.12	158.26	154.32	153.03	153.50	154.19	153.20	153.40	153.58	
21	154.80	155.40	159.22	158.18	158.25	154.29	153.04	153.49	154.18	153.19	153.43	153.57	
22	154.67	155.36	159.41	158.18	158.22	154.29	153.02	153.51	154.05	153.41	153.48	153.56	
23	155.20	155.37	159.52	158.17	158.18	154.85	152.99	153.52	154.33	153.47	153.46	153.54	
24	155.10	155.40	159.47	158.16	158.15	155.46	153.06	153.54	154.67	153.42	153.45	153.52	
25	154.80	155.30	159.07	158.19	158.05	155.68	153.17	153.52	154.84	153.39	153.45	153.51	
26	154.61	155.30	159.06	158.19	158.04	156.48	153.23	153.53	154.57	153.39	153.49	153.47	
27	154.49	155.26	159.07	158.22	158.04	156.69	153.26	153.54	154.24	153.29	153.57	153.46	
28	154.49	155.27	159.01	158.18	158.02	156.32	153.30	153.55	153.98	153.27	153.58	153.44	
29	154.90	155.29	158.87	158.20	158.03	156.20	153.31	153.54	153.65	153.22	153.64	153.48	
30	155.21	155.33	158.75	158.22	158.02	155.78	153.34	153.53	153.44	153.21		153.52	
31		155.41		158.26	157.94		153.39		153.41	153.15		153.54	
MEAN	155.12	155.39	157.38	158.55	158.36	156.38	153.48	153.38	154.01	153.31	153.36	153.56	
MAX	155.37	156.10	159.52	159.18	159.49	158.71	155.24	153.55	155.18	153.49	153.64	153.67	159.52
MIN	154.49	155.00	155.57	158.12	157.94	154.29	152.99	153.09	153.37	153.13	153.12	153.44	152.99

ANNUAL MAX MOMENTARY GAGE HEIGHT 159.64 M (MSL), AT 7.00 HOURS, ON JUN 23, 1979
ZERO GAGE AT BOTTOM ELEVATION 150.92 M (MSL), RIVER BED 151.80 M (MSL)
LEFT BANK ELEVATION 162.91 M (MSL)
RIGHT BANK ELEVATION 163.20 M (MSL), DRAINAGE AREA 13183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	61.72	55.26	74.80	202.20	183.70	166.28	60.36	7.00	9.32	8.40	2.10	11.72	
2	58.66	52.20	71.92	202.70	181.86	161.44	44.52	6.41	6.80	8.00	1.95	11.48	
3	59.34	60.70	72.28	205.72	181.40	156.60	37.48	5.84	6.41	6.80	1.80	10.76	
4	60.70	60.70	84.76	213.52	181.40	159.68	31.50	5.08	7.20	5.84	4.53	10.04	
5	63.08	61.04	95.60	222.62	179.10	165.84	27.90	4.36	6.41	5.08	5.65	10.28	
6	63.42	59.00	134.28	215.08	174.96	205.72	24.76	4.19	6.03	4.70	4.53	10.04	
7	63.08	57.30	123.36	205.72	174.96	204.20	18.88	3.34	6.22	3.34	3.85	9.80	
8	62.74	61.38	120.84	203.70	180.02	203.70	14.70	2.55	7.40	3.00	2.85	9.32	
9	62.06	61.72	102.00	201.70	187.84	193.48	10.76	2.40	8.00	2.70	3.00	9.08	
10	62.06	61.04	104.40	217.22	197.32	153.52	6.60	1.65	7.80	2.40	3.51	8.84	
11	63.08	79.48	96.40	225.32	212.48	142.08	2.25	1.35	9.80	1.95	4.02	9.80	
12	64.78	80.58	95.60	230.88	249.76	124.62	1.80	1.95	31.80	5.27	4.36	9.56	
13	64.10	91.60	92.40	228.64	232.58	110.80	1.35	2.85	36.52	6.03	4.19	12.68	
14	63.08	67.96	110.40	221.00	224.78	102.00	1.35	4.19	58.32	6.03	6.03	12.20	
15	62.06	73.36	120.84	209.88	218.84	56.96	1.20	5.65	54.58	5.46	6.80	10.52	
16	61.04	76.96	117.48	196.36	208.84	43.56	0.90	7.60	41.00	6.80	7.60	10.52	
17	61.04	69.04	107.20	193.00	206.24	35.24	0.75	8.60	34.28	7.60	7.00	12.44	
18	58.66	66.88	120.84	198.28	197.80	31.80	0.60	9.08	32.10	4.53	6.60	11.96	
19	55.60	68.32	149.12	181.86	186.00	31.50	0.60	8.60	29.40	4.02	6.80	10.76	
20	55.60	65.46	166.72	177.72	184.16	30.60	0.45	8.60	26.72	3.00	6.60	10.52	
21	45.80	65.80	233.16	180.48	183.70	29.70	0.60	8.40	26.44	2.85	7.20	10.28	
22	41.64	64.44	244.64	180.48	182.32	29.70	0.30	8.84	22.80	6.80	8.20	10.04	
23	59.00	64.78	251.72	180.02	180.48	47.40	0.00	9.08	30.90	8.00	7.80	9.56	
24	55.60	65.80	248.48	179.56	179.10	67.96	0.90	9.56	41.64	7.00	7.60	9.08	
25	45.80	62.40	224.78	180.94	174.50	75.88	2.55	9.08	47.08	6.41	7.60	8.84	
26	39.72	62.40	224.24	180.94	174.04	106.80	3.51	9.32	38.44	6.41	8.40	8.00	
27	35.88	61.04	224.78	182.32	174.04	115.38	4.02	9.56	28.20	4.53	10.28	7.80	
28	35.88	61.38	221.54	180.48	173.12	100.40	4.70	9.80	20.84	4.19	10.52	7.40	
29	49.00	62.06	214.04	181.40	173.58	95.60	4.89	9.56	12.20	3.34	11.96	8.20	
30	59.34	63.42	207.80	182.32	173.12	79.48	5.46	9.32	7.40	3.17		9.08	
31		66.16		184.16	169.44		6.41		6.80	2.25		9.56	
TOTAL	1693.56	2029.66	4456.42	6146.21	5881.47	3227.92	322.05	193.81	708.85	155.90	173.33	310.16	25299.31 CMSDAY
MEAN	56.45	65.47	148.55	198.26	189.72	107.60	10.39	6.46	22.87	5.03	5.98	10.01	69.12 CMS
MAX	64.78	91.60	251.72	230.88	249.76	205.72	60.36	9.80	58.32	8.40	11.96	12.68	251.72 CMS
MIN	35.88	52.20	71.92	177.72	169.44	29.70	0.00	1.35	6.03	1.95	1.80	7.40	0.00 CMS
RUNOFF	146.323	175.362	385.034	531.033	508.159	278.892	27.825	16.745	61.245	13.470	14.976	26.798	2185.860 MCM

MOMENTARY PEAK 259.72 CMS, AT 159.64 M (MSL), AT 7.00 HOURS, ON JUN 23, 1979

RUNOFF YIELD 5.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER AT BAN KHAI, CHAIYAPHUM (E.23)

LOCATION — LAT. 15°-40'-49" N., LONG. 102°-00'-47" E., ON LEFT BANK AT HIGHWAY BRIDGE, BAN KHAI, AMPHOE MUANG, CHAIYAPHUM.

DRAINAGE AREA — 6,835 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +174.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR AUTOMATIC GAGE BUILDING.

ELEVATION — +181.926 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1954-1956, 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968-1974

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +182.16 M. (M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 684 DISCHARGE MEASUREMENTS MADE DURING 1968-1974.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

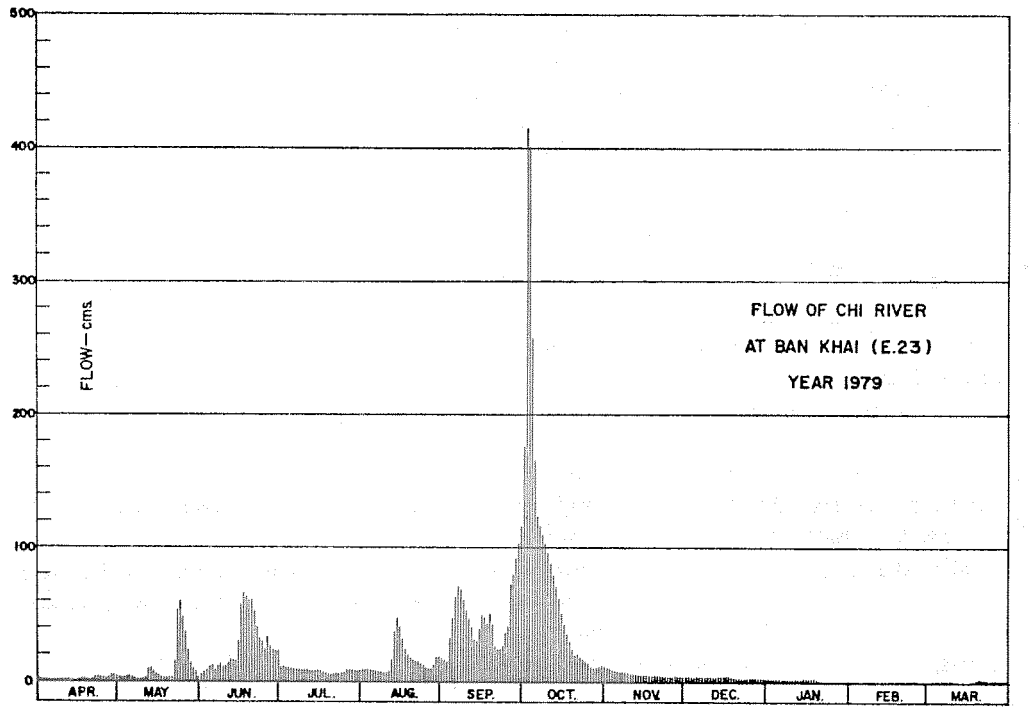
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	174.96	175.42	175.68	176.13	176.10	176.60	181.98	176.20	175.54	175.25	174.94	174.87	
2	174.92	175.37	175.76	176.26	176.10	176.50	182.22	176.08	175.48	175.24	174.92	174.87	
3	174.86	175.33	175.94	176.25	176.12	177.55	182.21	176.02	175.46	175.24	174.93	174.87	
4	174.84	175.43	176.17	176.16	176.06	178.66	182.04	175.98	175.48	175.24	174.92	174.87	
5	174.96	175.47	176.16	176.09	175.99	179.39	181.88	175.97	175.48	175.24	174.92	174.86	
6	174.98	175.33	175.96	176.11	176.00	180.02	181.72	175.93	175.48	175.23	174.91	174.87	
7	174.95	175.15	176.10	176.13	175.98	179.95	181.60	175.88	175.48	175.22	174.90	174.92	
8	175.01	175.12	176.34	176.06	175.89	179.53	181.44	175.85	175.48	175.18	174.89	174.89	
9	174.92	175.13	176.27	175.99	175.82	178.89	181.24	175.81	175.50	175.18	174.94	174.87	
10	174.89	175.10	176.21	176.07	175.80	178.57	181.05	175.77	175.50	175.17	174.93	174.86	
11	174.86	175.42	176.36	176.07	175.99	178.15	180.83	175.74	175.48	175.14	174.88	174.80	
12	174.80	176.03	176.66	175.98	176.53	177.65	180.49	175.72	175.48	175.14	174.91	174.70	
13	174.76	176.08	176.61	175.92	178.09	177.57	180.01	175.71	175.49	175.14	174.90	174.70	
14	174.79	175.86	176.64	175.97	178.70	178.22	179.39	175.74	175.47	175.13	174.89	174.64	
15	174.87	175.66	177.61	176.00	178.32	178.82	178.76	175.73	175.46	175.13	174.90	174.57	
16	175.01	175.47	179.23	175.94	177.69	178.78	178.25	175.69	175.45	175.14	174.87	174.55	
17	175.14	175.32	179.68	175.86	177.17	178.36	177.86	175.68	175.43	175.14	174.85	174.77	
18	175.14	175.25	179.60	175.77	176.92	178.96	177.57	175.66	175.42	175.12	174.90	174.92	
19	175.11	175.33	179.46	175.68	176.86	178.60	177.12	175.63	175.41	175.10	174.90	175.14	
20	175.08	175.25	179.48	175.64	176.72	177.31	176.94	175.64	175.39	175.09	174.90	175.27	
21	175.26	175.16	178.88	175.67	176.59	177.17	176.90	175.66	175.35	175.08	174.91	175.23	
22	175.58	176.35	178.07	175.79	176.58	177.25	176.81	175.66	175.32	175.08	174.91	175.12	
23	175.50	179.06	177.53	175.81	176.44	177.33	176.69	175.63	175.32	175.07	174.95	175.07	
24	175.37	179.42	177.33	175.78	176.27	177.97	176.60	175.54	175.32	175.05	174.94	175.05	
25	175.31	178.47	177.15	175.87	176.15	178.35	176.51	175.54	175.32	175.03	174.90	175.03	
26	175.16	177.53	177.77	176.01	176.11	180.09	176.34	175.54	175.32	175.02	174.88	174.95	
27	175.40	176.86	177.44	176.03	176.12	180.69	176.22	175.55	175.30	175.01	174.86	174.95	
28	175.65	176.37	177.24	176.07	176.29	180.95	176.17	175.58	175.29	174.99	174.85	174.90	
29	175.58	176.05	177.15	176.00	176.76	181.26	176.18	175.58	175.28	174.98	174.87	174.83	
30	175.51	175.82	177.10	175.92	176.84	181.61	176.23	175.56	175.28	174.98		174.81	
31		175.11		176.01	176.79		176.29		175.28	174.94		174.78	
MEAN	175.11	175.96	177.25	175.97	176.57	178.69	178.89	175.74	175.41	175.12	174.90	174.89	
MAX	175.65	179.42	179.68	176.26	178.70	181.61	182.22	176.20	175.54	175.25	174.95	175.27	182.22
MIN	174.76	175.10	175.68	175.64	175.80	176.50	176.17	175.54	175.28	174.94	174.85	174.55	174.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 182.28 M (MSL), AT 24.00 HOURS, ON OCT 2, 1979

ZERO GAGE AT BOTTOM ELEVATION 174.00 M (MSL), RIVER BED M (MSL)

LEFT BANK ELEVATION M (MSL)

RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 6835 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.30	3.96	6.12	10.53	10.20	16.00	187.39	11.30	4.92	2.80	1.20	0.85	
2	1.10	3.59	6.84	11.96	10.20	14.80	412.78	10.00	4.44	2.74	1.10	0.85	
3	0.80	3.31	8.60	11.85	10.42	29.65	397.41	9.40	4.28	2.74	1.15	0.85	
4	0.70	4.04	10.97	10.86	9.80	47.42	227.75	9.00	4.44	2.74	1.10	0.85	
5	1.30	4.36	10.86	10.10	9.10	59.83	150.14	8.90	4.44	2.74	1.10	0.80	
6	1.40	3.31	8.80	10.31	9.20	71.08	124.06	8.50	4.44	2.68	1.05	0.85	
7	1.25	2.25	10.20	10.53	9.00	69.80	116.70	8.00	4.44	2.62	1.00	1.10	
8	1.55	2.10	12.88	9.80	8.10	62.24	108.98	7.70	4.44	2.40	0.95	0.95	
9	1.10	2.15	12.07	9.10	7.40	51.33	101.18	7.30	4.60	2.40	1.20	0.85	
10	0.95	2.00	11.41	9.90	7.20	45.89	95.10	6.93	4.60	2.35	1.15	0.80	
11	0.80	3.96	13.12	9.90	9.10	38.90	88.23	6.66	4.44	2.20	0.90	0.50	
12	0.50	9.50	16.78	9.00	15.16	31.17	80.10	6.48	4.44	2.20	1.05	0.00	
13	0.30	10.00	16.13	8.40	37.94	29.95	70.89	6.39	4.52	2.20	1.00	0.00	
14	0.45	7.80	16.52	8.90	48.10	40.02	59.83	6.66	4.36	2.15	0.95	0.00	
15	0.85	5.94	30.56	9.20	41.64	50.14	49.12	6.57	4.28	2.15	1.00	0.00	
16	1.55	4.36	57.11	8.60	31.78	49.46	40.50	6.21	4.20	2.20	0.85	0.00	
17	2.20	3.24	64.94	7.80	23.87	42.32	34.37	6.12	4.04	2.20	0.75	0.35	
18	2.20	2.80	63.50	6.93	20.28	52.52	29.95	5.94	3.96	2.10	1.00	1.10	
19	2.05	3.31	61.02	6.12	19.44	46.40	23.10	5.67	3.88	2.00	1.00	2.20	
20	1.90	2.80	61.36	5.76	17.56	26.00	20.56	5.76	3.73	1.95	1.00	2.92	
21	2.86	2.30	51.16	6.03	15.88	23.87	20.00	5.94	3.45	1.90	1.05	2.68	
22	5.24	13.00	37.62	7.11	15.76	25.08	18.74	5.94	3.24	1.90	1.05	2.10	
23	4.60	54.22	29.35	7.30	14.08	26.30	17.17	5.67	3.24	1.85	1.25	1.85	
24	3.59	60.34	26.30	7.02	12.07	36.04	16.00	4.92	3.24	1.75	1.20	1.75	
25	3.17	44.19	23.56	7.90	10.75	42.15	14.92	4.92	3.24	1.65	1.00	1.65	
26	2.30	29.35	33.00	9.30	10.31	72.41	12.88	4.92	3.24	1.60	0.90	1.25	
27	3.80	19.44	27.98	9.50	10.42	84.55	11.52	5.00	3.10	1.55	0.80	1.25	
28	5.85	13.24	24.93	9.90	12.29	91.95	10.97	5.24	3.04	1.45	0.75	1.00	
29	5.24	9.70	23.56	9.20	18.08	101.82	11.08	5.24	2.98	1.40	0.85	0.65	
30	4.68	7.40	22.80	8.40	19.16	117.23	11.63	5.08	2.98	1.40		0.55	
31		2.05		9.30	18.47		12.29		2.98	1.20		0.40	
TOTAL	65.58	340.01	800.05	276.51	512.76	1496.32	2575.33	202.36	121.62	65.21	29.35	30.95	6516.05 CMSDAY
MEAN	2.19	10.97	26.67	8.92	16.54	49.88	83.08	6.75	3.92	2.10	1.01	1.00	17.80 CMS
MAX	5.85	60.34	64.94	11.96	48.10	117.23	412.78	11.30	4.92	2.80	1.25	2.92	412.78 CMS
MIN	0.30	2.00	6.12	5.76	7.20	14.80	10.97	4.92	2.98	1.20	0.75	0.00	0.00 CMS
RUNOFF	5.666	29.377	69.124	23.890	44.302	129.282	222.509	17.484	10.508	5.634	2.536	2.674	562.986 MCM

MOMENTARY PEAK 505.22 CMS, AT 182.28 M (MSL), AT 24.00 HOURS, ON OCT 2, 1979

RUNOFF YIELD 2.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 73.92 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

LAM PHAN AT BAN HUA KHUA, KALASIN (E.26)

LOCATION — LAT. 16°-24'-36" N., LONG. 103°-28'-15" E., ON RIGHT BANK AT THE BRIDGE ACROSS LAM PHAN, AMPHOE YANG TALAT, KALASIN.

DRAINAGE AREA — 6,565 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +134.380 M. (M.S.L.)

BENCH MARK — -

LOCATION — -

ELEVATION — -

GAGE READING FREQUENCY — 4-TIME DAILY READINGS AT 06.00, 10.00, 14.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 4 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1954 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971-1976

RATED BY FLOAT — -

RATED BY CURRENT METER — 1971-1976

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

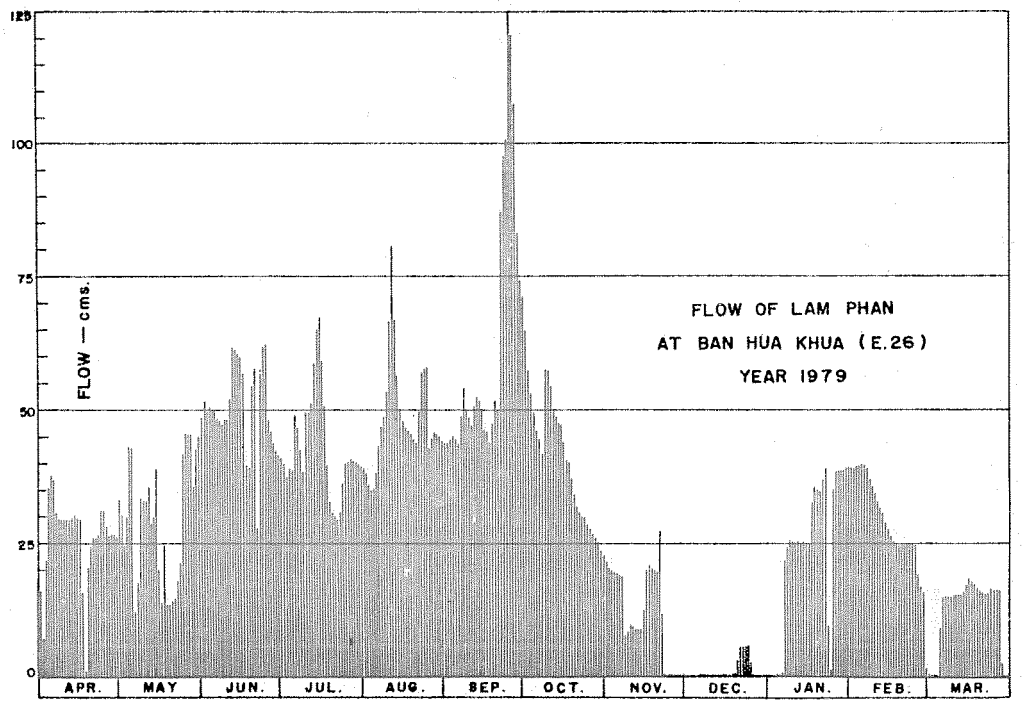
GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 94 DISCHARGE MEASUREMENTS MADE DURING 1971-1976. FLOW REGULATED BY LAM PAO DAM.

REMARKS — ESTIMATED GAGE HEIGHT DURING FEB 8-15,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	135.54	136.12	136.58	136.33	136.28	136.41	137.04	135.73	134.34	134.50	136.28	134.63	
2	135.05	135.98	136.63	136.30	136.25	136.42	136.88	135.68	134.34	134.48	136.28	134.58	
3	135.68	135.81	136.57	136.23	136.17	136.44	136.69	135.65	134.34	134.49	136.29	134.58	
4	136.18	136.12	136.59	136.28	136.16	136.46	136.64	135.65	134.43	134.50	136.29	134.58	
5	136.24	136.39	136.58	136.27	136.18	136.43	136.57	135.64	134.55	134.50	136.30	135.20	
6	136.21	136.37	136.57	136.56	136.33	136.41	136.47	135.63	134.54	134.57	136.29	135.48	
7	136.01	135.32	136.54	136.51	136.49	136.60	136.44	135.63	134.54	135.75	136.28	135.48	
8	135.98	135.51	136.52	136.39	136.52	136.68	136.35	135.14	134.53	135.86	136.23	135.48	
9	135.98	136.12	136.52	136.26	136.59	136.58	136.77	135.15	134.53	135.85	136.18	135.48	
10	135.98	136.10	136.54	136.44	136.74	136.56	136.76	135.23	134.53	135.85	136.15	135.50	
11	135.98	136.11	136.54	136.44	137.17	136.50	136.68	135.19	134.53	135.85	136.10	135.50	
12	135.98	136.19	136.72	136.59	137.35	136.60	136.60	135.18	134.52	135.84	136.06	135.50	
13	135.99	135.96	136.87	136.76	136.86	136.65	136.55	135.18	134.52	135.84	136.00	135.50	
14	136.01	136.00	136.84	136.95	136.60	136.62	136.52	135.16	134.52	135.84	135.96	135.53	
15	135.98	136.28	136.84	137.01	136.56	136.59	136.50	135.45	134.51	135.84	135.92	135.58	
16	135.98	135.64	136.82	137.01	136.52	136.48	136.42	135.68	134.51	135.84	135.88	135.62	
17	135.18	135.40	136.74	136.60	136.49	136.47	136.32	135.71	134.50	136.16	135.85	135.58	
18	134.60	135.47	136.30	136.25	136.48	136.42	136.31	135.68	134.50	136.18	135.83	135.55	
19	135.68	135.40	136.28	136.08	136.46	136.51	136.22	135.66	134.50	136.16	135.82	135.53	
20	135.83	135.41	136.70	136.07	136.43	136.62	136.14	135.65	134.93	136.16	135.83	135.51	
21	135.87	135.43	136.77	136.02	136.42	136.58	136.05	135.91	135.01	136.20	135.83	135.50	
22	135.87	135.46	135.93	136.00	136.58	136.98	136.02	134.97	135.01	136.27	135.83	135.51	
23	135.89	135.61	136.79	136.03	136.76	137.72	136.01	134.48	135.02	135.15	135.83	135.52	
24	136.05	135.63	136.86	136.23	136.78	137.81	135.98	134.45	135.01	134.49	135.83	135.54	
25	136.04	136.37	136.88	136.31	136.78	137.87	135.95	134.44	134.58	136.17	135.83	135.53	
26	135.90	136.47	136.55	136.31	136.38	138.41	135.92	134.40	134.56	136.25	135.61	135.52	
27	135.88	136.46	136.49	136.32	136.45	138.18	135.88	134.40	134.52	136.26	135.54	135.51	
28	135.90	136.46	136.42	136.32	136.47	137.62	135.85	134.39	134.50	136.27	135.51	134.74	
29	135.88	136.18	136.37	136.31	136.46	137.34	135.84	134.37	134.49	136.27	134.73	134.58	
30	135.87	136.39	136.35	136.30	136.45	137.17	135.76	134.36	134.49	136.28		134.58	
31		136.46		136.29	136.42		135.76		134.56	136.29		135.61	
MEAN	135.84	135.96	136.59	136.38	136.53	136.87	136.32	135.19	134.58	135.68	135.94	135.31	
MAX	136.24	136.47	136.88	137.01	137.35	138.41	137.04	135.91	135.02	136.29	136.30	135.62	138.41
MIN	134.60	135.32	135.93	136.00	136.16	136.41	135.76	134.36	134.34	134.48	134.73	134.58	134.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 138.53 M (MSL), AT 14.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 134.38 M (MSL), RIVER BED 133.78 M (MSL)
LEFT BANK ELEVATION 139.79 M (MSL)
RIGHT BANK ELEVATION 140.82 M (MSL), DRAINAGE AREA 6565 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.50	33.70	50.20	41.05	39.30	43.85	68.60	21.90	0.00	0.00	39.30	0.00	
2	6.50	29.40	52.20	40.00	38.25	44.20	62.20	20.40	0.00	0.00	39.30	0.00	
3	20.40	24.30	49.80	37.55	35.45	44.90	54.60	19.50	0.00	0.00	39.65	0.00	
4	35.80	33.70	50.60	39.30	35.10	45.60	52.60	19.50	0.00	0.00	39.65	0.00	
5	37.90	43.15	50.20	38.95	35.80	44.55	49.80	19.20	0.00	0.00	40.00	9.50	
6	36.85	42.45	49.80	49.40	41.05	43.85	45.95	18.90	0.00	0.00	39.65	15.10	
7	30.30	11.90	48.60	47.40	46.65	51.00	44.90	18.90	0.00	22.50	39.30	15.10	
8	29.40	15.75	47.80	43.15	47.80	54.20	41.75	8.30	0.00	25.80	37.55	15.10	
9	29.40	33.70	47.80	38.60	50.60	50.20	57.80	8.50	0.00	25.50	35.80	15.10	
10	29.40	33.00	48.60	44.90	56.60	49.40	57.40	10.10	0.00	25.50	34.75	15.50	
11	29.40	33.35	48.60	44.90	73.80	47.00	54.20	9.30	0.00	25.50	33.00	15.50	
12	29.40	36.15	55.80	50.60	81.00	51.00	51.00	9.10	0.00	25.20	31.80	15.50	
13	29.70	28.80	61.80	57.40	61.40	53.00	49.00	9.10	0.00	25.20	30.00	15.50	
14	30.30	30.00	60.60	65.00	51.00	51.80	47.80	8.70	0.00	25.20	28.80	16.25	
15	29.40	39.30	60.60	67.40	49.40	50.60	47.00	14.50	0.00	25.20	27.60	17.50	
16	29.40	19.20	59.80	67.40	47.80	46.30	44.20	20.40	0.00	25.20	26.40	18.60	
17	9.10	13.50	56.60	51.00	46.65	45.95	40.70	21.30	0.00	35.10	25.50	17.50	
18	0.00	14.90	40.00	38.25	46.30	44.20	40.35	20.40	0.00	35.80	24.90	16.75	
19	20.40	13.50	39.30	32.40	45.60	47.40	37.20	19.80	0.00	35.10	24.60	16.25	
20	24.90	13.70	55.00	32.10	44.55	51.80	34.40	19.50	4.10	35.10	24.90	15.75	
21	26.10	14.10	57.80	30.60	44.20	50.20	31.50	27.30	5.70	36.50	24.90	15.50	
22	26.10	14.70	27.90	30.00	50.20	66.20	30.60	4.90	5.70	38.95	24.90	15.75	
23	26.70	18.30	58.60	30.90	57.40	95.80	30.30	0.00	5.90	8.50	24.90	16.00	
24	31.50	18.90	61.40	37.55	58.20	99.40	29.40	0.00	5.70	0.00	24.90	16.50	
25	31.20	42.45	62.20	40.35	58.20	101.80	28.50	0.00	0.00	35.45	24.90	16.25	
26	27.00	45.95	49.00	40.35	42.80	126.50	27.60	0.00	0.00	38.25	18.30	16.00	
27	26.40	45.60	46.65	40.70	45.25	115.00	26.40	0.00	0.00	38.60	16.50	15.75	
28	27.00	45.60	44.20	40.70	45.95	91.80	25.50	0.00	0.00	38.95	15.75	0.60	
29	26.40	35.80	42.45	40.35	45.60	80.60	25.20	0.00	0.00	38.95	0.45	0.00	
30	26.10	43.15	41.75	40.00	45.25	73.80	23.40	0.00	0.00	39.30		0.00	
31		45.60		39.65	44.20		22.80		0.00	39.65		18.30	
TOTAL	778.95	913.60	1525.65	1337.90	1511.35	1861.90	1282.65	349.50	27.10	745.00	837.95	381.15	11552.68 CMSDAY
MEAN	25.96	29.47	50.85	43.16	48.75	62.06	41.38	11.65	0.87	24.03	28.89	12.30	31.56 CMS
MAX	37.90	45.95	62.20	67.40	81.00	126.50	68.60	27.30	5.90	39.65	40.00	18.60	126.50 CMS
MIN	0.00	11.90	27.90	30.00	35.10	43.85	22.80	0.00	0.00	0.00	0.45	0.00	0.00 CMS
RUNOFF	67.301	78.935	131.816	115.594	130.580	160.868	110.821	30.197	2.341	64.368	72.399	32.931	998.151 MCM

MOMENTARY PEAK 132.50 CMS, AT 138.53 M (MSL), AT 14.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 4.81 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

NAM PHONG AT BAN PHA NOK KHAO, LOEI (E.29)

LOCATION — LAT. 16°-50'-45" N., LONG. 101°-56'-54" E., ON RIGHT BANK ABOUT 400 METERS FROM THE BRIDGE IN THE FORESTRY OFFICE, BAN PHA NOK KHAO, AMPHOE PHU KRADUNG, LOEI.

DRAINAGE AREA — 945 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +225.00 M. (M.S.L.)

BENCH MARK — B.M.-R.I.D.

LOCATION — INFRONT OF THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +238.429 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1956-1958, 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

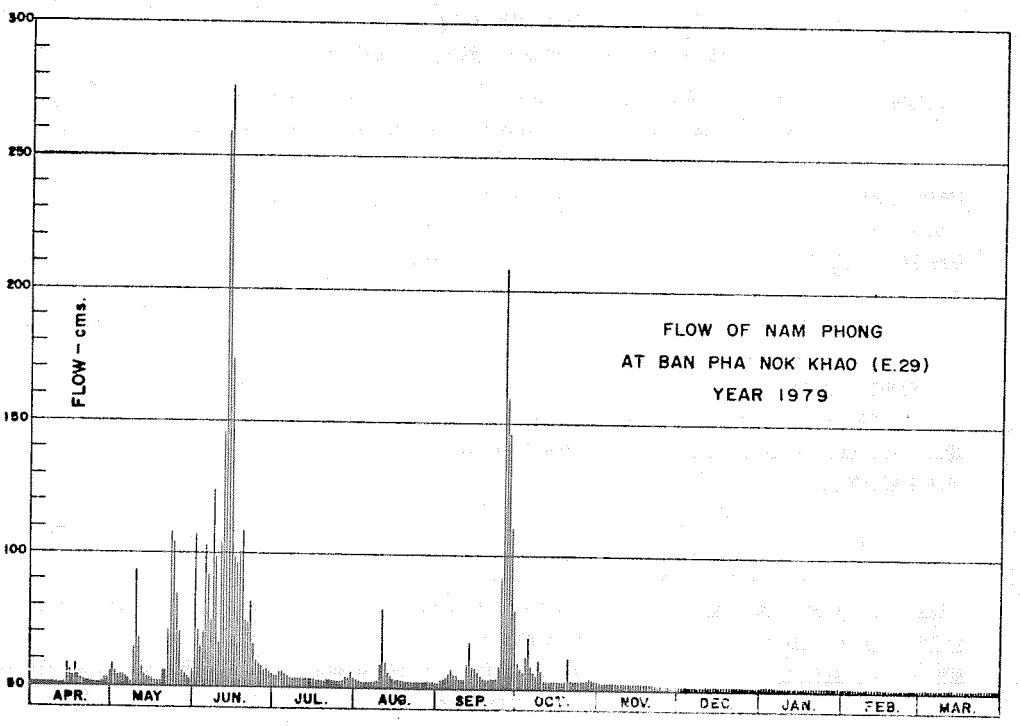
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 89 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	225.55	226.54	229.13	226.20	225.94	225.79	226.84	225.85	225.66	225.56	225.52	225.49	
2	225.55	226.14	227.47	226.18	225.87	226.06	226.58	225.85	225.66	225.56	225.52	225.48	
3	225.54	226.07	227.01	226.26	225.85	225.96	226.41	225.85	225.66	225.56	225.51	225.48	
4	225.54	226.16	227.57	226.35	225.83	226.14	226.84	225.84	225.66	225.56	225.51	225.49	
5	225.55	226.11	229.00	226.24	225.84	226.40	227.32	225.83	225.66	225.56	225.51	225.49	
6	225.56	226.07	228.52	226.13	225.84	226.49	226.57	225.82	225.66	225.56	225.51	225.49	
7	225.56	225.89	227.68	226.09	225.84	226.22	226.38	225.79	225.66	225.56	225.51	225.48	
8	225.55	225.34	229.76	226.07	225.86	226.32	226.26	225.78	225.65	225.56	225.51	225.48	
9	225.54	226.28	228.80	226.06	225.97	226.06	226.80	225.76	225.65	225.56	225.51	225.49	
10	225.54	228.56	227.21	226.02	226.56	225.98	226.12	225.75	225.65	225.56	225.50	225.48	
11	225.54	226.82	229.68	226.02	227.88	226.02	226.07	225.74	225.64	225.59	225.50	225.49	
12	225.55	226.38	230.55	226.22	226.62	226.56	226.03	225.74	225.64	225.55	225.50	225.50	
13	225.55	226.13	233.29	226.05	226.27	227.23	225.99	225.73	225.63	225.55	225.50	225.50	
14	226.57	226.02	233.55	226.02	226.11	226.51	225.96	225.73	225.63	225.55	225.50	225.49	
15	226.26	226.01	230.07	225.95	226.03	226.47	225.94	225.73	225.62	225.54	225.50	225.50	
16	226.04	225.85	228.82	225.91	225.96	226.30	225.93	225.73	225.62	225.54	225.50	225.55	
17	226.54	225.82	228.73	225.89	225.93	226.14	225.92	225.73	225.61	225.54	225.50	225.54	
18	225.96	225.78	228.92	225.86	225.91	226.06	225.90	225.73	225.60	225.54	225.50	225.54	
19	225.81	225.80	229.21	225.85	225.89	226.00	225.88	225.72	225.59	225.54	225.50	225.51	
20	225.72	226.38	227.70	225.84	225.87	225.97	226.89	225.72	225.59	225.54	225.49	225.52	
21	225.68	226.38	227.65	226.00	225.85	226.28	225.93	225.70	225.59	225.54	225.48	225.63	
22	225.65	227.50	228.04	225.95	225.84	226.06	225.94	225.68	225.59	225.54	225.49	225.65	
23	225.63	229.54	227.22	225.89	225.84	225.98	225.95	225.68	225.59	225.53	225.49	225.66	
24	225.62	229.02	226.67	225.84	225.84	226.57	225.93	225.68	225.58	225.53	225.53	225.64	
25	225.60	228.05	226.55	225.83	225.83	229.23	225.92	225.67	225.57	225.53	225.53	225.60	
26	225.58	226.98	226.42	225.85	225.80	232.03	225.92	225.67	225.57	225.53	225.53	225.60	
27	225.90	226.39	226.37	225.89	225.79	230.76	226.04	225.67	225.58	225.53	225.53	225.55	
28	226.01	226.19	226.45	226.11	225.80	230.19	226.15	225.66	225.58	225.53	225.51	225.54	
29	225.96	226.06	226.33	226.04	225.80	229.09	226.04	225.66	225.58	225.52	225.49	225.54	
30	226.36	226.05	226.25	226.40	225.80	228.21	225.92	225.66	225.58	225.52		225.54	
31		226.52		226.05	225.79		225.88		225.57	225.52		225.53	
MEAN	225.77	226.54	228.35	226.03	225.99	226.97	226.20	225.74	225.62	225.54	225.51	225.53	
MAX	226.57	229.54	233.55	226.40	227.88	232.03	227.32	225.85	225.66	225.59	225.53	225.66	233.55
MIN	225.54	225.34	226.25	225.83	225.79	225.79	225.88	225.66	225.57	225.52	225.48	225.48	225.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 234.68 M (MSL), AT 19.00 HOURS, ON JUN 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 225.00 M (MSL), RIVER BED 225.10 M (MSL)
LEFT BANK ELEVATION 237.80 M (MSL)
RIGHT BANK ELEVATION 238.10 M (MSL), DRAINAGE AREA 945 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.20	8.48	57.18	4.80	3.10	2.35	12.32	2.65	1.70	1.24	1.08	0.96	
2	1.20	4.32	21.79	4.64	2.75	3.76	8.96	2.65	1.70	1.24	1.08	0.92	
3	1.16	3.82	14.54	5.34	2.65	3.20	6.92	2.65	1.70	1.24	1.04	0.92	
4	1.16	4.48	23.49	6.25	2.55	4.32	12.32	2.60	1.70	1.24	1.04	0.96	
5	1.20	4.08	53.80	5.16	2.60	6.80	19.32	2.55	1.70	1.24	1.04	0.96	
6	1.24	3.82	42.46	4.24	2.60	7.88	8.84	2.50	1.70	1.24	1.04	0.96	
7	1.24	2.85	25.36	3.94	2.60	4.98	6.58	2.35	1.70	1.24	1.04	0.92	
8	1.20	0.42	74.74	3.82	2.70	5.92	5.34	2.30	1.65	1.24	1.04	0.92	
9	1.16	5.52	48.90	3.76	3.25	3.76	11.80	2.20	1.65	1.24	1.04	0.96	
10	1.16	43.38	17.56	3.52	8.72	3.30	4.16	2.15	1.65	1.24	1.00	0.92	
11	1.16	12.06	72.42	3.52	29.10	3.52	3.82	2.10	1.60	1.36	1.00	0.96	
12	1.20	6.58	100.40	4.98	9.46	8.72	3.58	2.10	1.60	1.20	1.00	1.00	
13	1.20	4.24	214.54	3.70	5.43	17.88	3.35	2.05	1.55	1.20	1.00	1.00	
14	8.84	3.52	226.55	3.52	4.08	8.12	3.20	2.05	1.55	1.20	1.00	0.96	
15	5.34	3.46	84.07	3.15	3.58	7.64	3.10	2.05	1.50	1.16	1.00	1.00	
16	3.64	2.65	49.38	2.95	3.20	5.70	3.05	2.05	1.50	1.16	1.00	1.20	
17	8.48	2.50	47.29	2.85	3.05	4.32	3.00	2.05	1.45	1.16	1.00	1.16	
18	3.20	2.30	51.80	2.70	2.95	3.76	2.90	2.05	1.40	1.16	1.00	1.16	
19	2.45	2.40	59.27	2.65	2.85	3.40	2.80	2.00	1.36	1.16	1.00	1.04	
20	2.00	6.58	25.70	2.60	2.75	3.25	12.97	2.00	1.36	1.16	0.96	1.08	
21	1.80	6.98	24.85	3.40	2.65	5.52	3.05	1.90	1.36	1.16	0.92	1.55	
22	1.65	22.30	32.30	3.15	2.60	3.76	3.10	1.80	1.36	1.16	0.96	1.65	
23	1.55	68.42	17.72	2.85	2.60	3.30	3.15	1.80	1.36	1.12	0.96	1.70	
24	1.50	54.30	10.11	2.60	2.60	8.84	3.05	1.80	1.32	1.12	1.12	1.60	
25	1.40	32.50	8.60	2.55	2.55	59.81	3.00	1.75	1.28	1.12	1.12	1.40	
26	1.32	14.14	7.04	2.65	2.40	158.76	3.00	1.75	1.28	1.12	1.12	1.40	
27	2.90	6.09	6.47	2.85	2.35	108.02	3.64	1.75	1.32	1.12	1.12	1.20	
28	3.46	4.72	7.40	4.08	2.40	87.88	4.40	1.70	1.32	1.12	1.04	1.16	
29	3.20	3.76	6.03	3.64	2.40	56.14	3.64	1.70	1.32	1.08	0.96	1.16	
30	6.36	3.70	9.09	6.80	2.40	35.70	3.00	1.70	1.32	1.08		1.16	
31		8.24		3.70	2.35		2.80		1.28	1.08		1.12	
TOTAL	74.57	352.83	1437.01	116.36	127.27	640.31	174.16	62.75	46.24	36.60	29.72	35.06	3132.87 CMSDAY
MEAN	2.49	11.38	47.90	3.75	4.11	21.34	5.62	2.09	1.49	1.18	1.02	1.13	8.56 CMS
MAX	8.84	68.42	226.55	6.80	29.10	158.76	19.32	2.65	1.70	1.36	1.12	1.70	226.55 CMS
MIN	1.16	0.42	6.03	2.55	2.35	2.35	2.80	1.70	1.28	1.08	0.92	0.92	0.42 CMS
RUNOFF \ 6.443	30.464	124.157	10.053	10.996	55.323	15.047	5.422	3.995	3.162	2.568	3.029	270.680 MCM	

MOMENTARY PEAK 311.42 CMS, AT 234.68 M (MSL), AT 19.00 HOURS, ON JUN 13, 1979

RUNOFF YIELD 7.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 297.80 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

CHI RIVER AT BAN NONG O, CHAIYAPHUM (E.32A)

LOCATION — LAT. 15°-54'-40" N., LONG. 101°-42'-40" E., ON LEFT BANK ABOUT 500 METERS NORTH OF BAN NONG O, ABOUT 600 METERS UPSTREAM FROM E.32 GAGING STATION, AMPHOE BAN KHWAO, CHAIYAPHUM.

DRAINAGE AREA — 2,906 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +198.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK AT THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +210.771 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1966 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1966 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 224 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

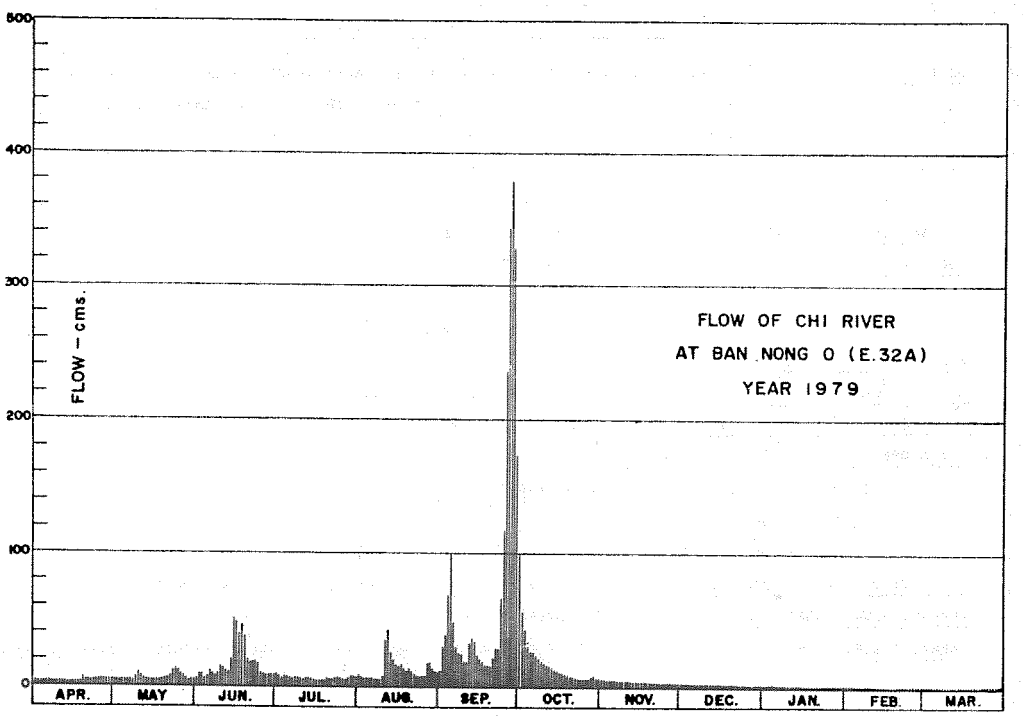
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	198.86	199.06	199.25	199.47	199.42	199.62	202.60	199.19	198.91	198.75	198.74	198.69	
2	198.86	199.07	199.43	199.38	199.33	200.40	201.47	199.18	198.90	198.75	198.74	198.67	
3	198.86	199.02	199.43	199.34	199.29	200.69	200.98	199.14	198.89	198.75	198.74	198.67	
4	198.85	199.02	199.27	199.36	199.32	201.79	200.62	199.13	198.89	198.75	198.73	198.66	
5	198.85	199.02	199.36	199.35	199.29	202.82	200.33	199.10	198.88	198.73	198.73	198.66	
6	198.85	199.02	199.53	199.26	199.24	201.11	200.25	199.08	198.88	198.73	198.73	198.66	
7	198.85	199.00	199.46	199.21	199.19	200.40	200.11	199.07	198.88	198.74	198.73	198.65	
8	198.85	198.98	199.36	199.31	199.16	200.24	200.01	199.06	198.87	198.75	198.73	198.64	
9	198.85	199.30	199.49	199.31	199.15	200.19	199.94	199.03	198.87	198.75	198.71	198.64	
10	198.85	199.47	199.70	199.21	199.33	199.88	199.85	199.02	198.86	198.75	198.70	198.64	
11	198.85	199.28	199.59	199.19	200.41	199.90	199.77	199.00	198.84	198.75	198.70	198.65	
12	198.86	199.12	199.50	199.21	200.93	200.57	199.71	199.00	198.84	198.75	198.70	198.65	
13	198.86	199.03	199.45	199.25	200.29	200.71	199.66	199.00	198.84	198.76	198.69	198.63	
14	198.86	199.00	200.10	199.29	199.90	200.60	199.61	198.99	198.83	198.76	198.67	198.62	
15	198.86	199.00	201.20	199.19	199.75	200.15	199.56	198.98	198.83	198.75	198.67	198.62	
16	198.86	199.00	201.04	199.12	199.67	199.99	199.51	198.98	198.83	198.75	198.66	198.66	
17	198.86	199.00	200.76	199.07	199.77	199.94	199.49	198.97	198.83	198.75	198.66	198.72	
18	198.86	199.00	201.02	199.05	199.62	199.79	199.46	198.97	198.83	198.74	198.65	198.69	
19	199.10	199.00	200.71	199.05	199.53	199.70	199.41	198.97	198.83	198.74	198.65	198.66	
20	199.04	199.01	199.99	199.20	199.61	199.75	199.37	198.96	198.83	198.74	198.67	198.66	
21	199.00	199.19	199.84	199.16	199.50	200.11	199.34	198.95	198.83	198.74	198.69	198.72	
22	199.00	199.30	199.87	199.13	199.40	200.43	199.32	198.94	198.83	198.73	198.68	198.69	
23	199.00	199.55	199.89	199.18	199.33	200.44	199.30	198.94	198.82	198.73	198.68	198.67	
24	199.07	199.63	199.84	199.32	199.32	201.72	199.28	198.93	198.81	198.73	198.68	198.66	
25	199.19	199.58	199.48	199.22	199.36	202.92	199.27	198.93	198.80	198.72	198.68	198.67	
26	199.11	199.41	199.40	199.26	199.38	206.28	199.26	198.93	198.79	198.73	198.69	198.68	
27	199.08	199.27	199.35	199.20	199.81	208.30	199.28	198.92	198.78	198.73	198.70	198.69	
28	199.03	199.16	199.43	199.17	199.93	208.98	199.31	198.92	198.78	198.77	198.69	198.65	
29	199.06	199.09	199.44	199.35	199.74	208.02	199.37	198.92	198.77	198.77	198.69	198.65	
30	199.01	199.07	199.48	199.36	199.53	205.52	199.29	198.91	198.76	198.77		198.65	
31		199.12		199.32	199.47		199.23		198.75	198.76		198.64	
MEAN	198.94	199.15	199.78	199.24	199.58	201.70	199.80	199.00	198.83	198.75	198.70	198.66	
MAX	199.19	199.63	201.20	199.47	200.93	208.98	202.60	199.19	198.91	198.77	198.74	198.72	208.98
MIN	198.85	198.98	199.25	199.05	199.15	199.62	199.23	198.91	198.75	198.72	198.65	198.62	198.62

ANNUAL MAX MOMENTARY GAGE HEIGHT 209.04 M (MSL), AT 1.00 HOURS, ON SEP 28, 1979

ZERO GAGE AT BOTTOM ELEVATION 198.00 M (MSL), RIVER BED M (MSL)

LEFT BANK ELEVATION M (MSL)

RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 2906 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.60	4.60	6.50	10.40	9.40	13.40	94.00	5.90	3.10	1.50	1.40	0.90	
2	2.60	4.70	9.60	8.60	7.60	29.00	60.10	5.80	3.00	1.50	1.40	0.70	
3	2.60	4.20	9.60	7.80	6.90	36.70	45.40	5.40	2.90	1.50	1.40	0.70	
4	2.50	4.20	6.70	8.20	7.40	69.70	34.60	5.30	2.90	1.50	1.30	0.60	
5	2.50	4.20	8.20	8.00	6.90	100.60	27.60	5.00	2.80	1.30	1.30	0.60	
6	2.50	4.20	11.60	6.60	6.40	49.30	26.00	4.80	2.80	1.30	1.30	0.60	
7	2.50	4.00	10.20	6.10	5.90	29.00	23.20	4.70	2.80	1.40	1.30	0.50	
8	2.50	3.80	8.20	7.20	5.60	25.80	21.20	4.60	2.70	1.50	1.30	0.40	
9	2.50	7.00	10.80	7.20	5.50	24.80	19.80	4.30	2.70	1.50	1.10	0.40	
10	2.50	10.40	15.00	6.10	7.60	18.60	18.00	4.20	2.60	1.50	1.00	0.40	
11	2.50	6.80	12.80	5.90	29.20	19.00	16.40	4.00	2.40	1.50	1.00	0.50	
12	2.60	5.20	11.00	6.10	43.90	33.10	15.20	4.00	2.40	1.50	1.00	0.50	
13	2.60	4.30	10.00	6.50	26.80	37.30	14.20	4.00	2.40	1.60	0.90	0.30	
14	2.60	4.00	23.00	6.90	19.00	34.00	13.20	3.90	2.30	1.60	0.70	0.20	
15	2.60	4.00	52.00	5.90	16.00	24.00	12.20	3.80	2.30	1.50	0.70	0.20	
16	2.60	4.00	47.20	5.20	14.40	20.80	11.20	3.80	2.30	1.50	0.60	0.60	
17	2.60	4.00	38.80	4.70	16.40	19.80	10.80	3.70	2.30	1.50	0.60	1.20	
18	2.60	4.00	46.60	4.50	13.40	16.80	10.20	3.70	2.30	1.40	0.50	0.90	
19	5.00	4.00	37.30	4.50	11.60	15.00	9.20	3.70	2.30	1.40	0.50	0.60	
20	4.40	4.10	20.80	6.00	13.20	16.00	8.40	3.60	2.30	1.40	0.70	0.60	
21	4.00	5.90	17.80	5.60	11.00	23.20	7.80	3.50	2.30	1.40	0.90	1.20	
22	4.00	7.00	18.40	5.30	9.00	29.60	7.40	3.40	2.30	1.30	0.80	0.90	
23	4.00	12.00	18.80	5.80	7.60	29.80	7.00	3.40	2.20	1.30	0.80	0.70	
24	4.70	13.60	13.80	7.40	7.40	67.60	6.80	3.30	2.10	1.30	0.80	0.60	
25	5.90	12.60	10.60	6.20	8.20	103.60	6.70	3.30	2.00	1.20	0.80	0.70	
26	5.10	9.20	9.00	6.60	8.60	237.20	6.60	3.30	1.90	1.30	0.90	0.80	
27	4.80	6.70	8.00	6.00	17.20	345.00	6.80	3.20	1.80	1.30	1.00	0.90	
28	4.30	5.60	9.60	5.70	19.60	385.80	7.20	3.20	1.80	1.70	0.90	0.50	
29	4.60	4.90	9.80	8.00	15.80	243.20	8.40	3.20	1.70	1.70	0.90	0.50	
30	4.10	4.70	10.60	8.20	11.60	126.60	6.90	3.10	1.60	1.70		0.50	
31		5.20		7.40	10.40		6.30		1.50	1.60		0.40	
TOTAL	100.90	183.10	522.30	204.60	399.50	2224.30	568.80	121.10	72.80	45.20	27.80	19.10	4489.49 CMSDAY
MEAN	3.36	5.91	17.41	6.60	12.89	74.14	18.35	4.04	2.35	1.46	0.96	0.62	12.27 CMS
MAX	5.90	13.60	52.00	10.40	43.90	385.80	94.00	5.90	3.10	1.70	1.40	1.20	385.80 CMS
MIN	2.50	3.80	6.50	4.50	5.50	13.40	6.30	3.10	1.50	1.20	0.50	0.20	0.20 CMS
RUNOFF	8.718	15.820	45.127	17.677	34.517	192.179	49.144	10.463	6.290	3.905	2.402	1.650	387.892 MCM

MOMENTARY PEAK 389.40 CMS, AT 209.04 M (MSL), AT 1.00 HOURS, ON SEP 28, 1979
RUNOFF YIELD 4.22 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 134.00 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

NAM YANG AT BAN NONG SAENG THUNG, ROI ET (E.33A)

LOCATION — LAT. 16°20'01" N., LONG. 104°01'18" E., ON LEFT BANK ABOUT 1 KILOMETER SOUTH-EAST OF BAN NONG SAENG THUNG, AND 150 METERS DOWNSTREAM FROM CONFLUENCE WITH NONG SAENG, AMPHOE PHON THONG, ROI ET.

DRAINAGE AREA — 2,599 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +133.97 M (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF E.33A STATION OFFICE.

ELEVATION — +143.700 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1961 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1961-1968

RATED BY FLOAT — -

RATED BY CURRENT METER — 1961-1968

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 1,640 DISCHARGE MEASUREMENTS MADE DURING 1961-1968.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

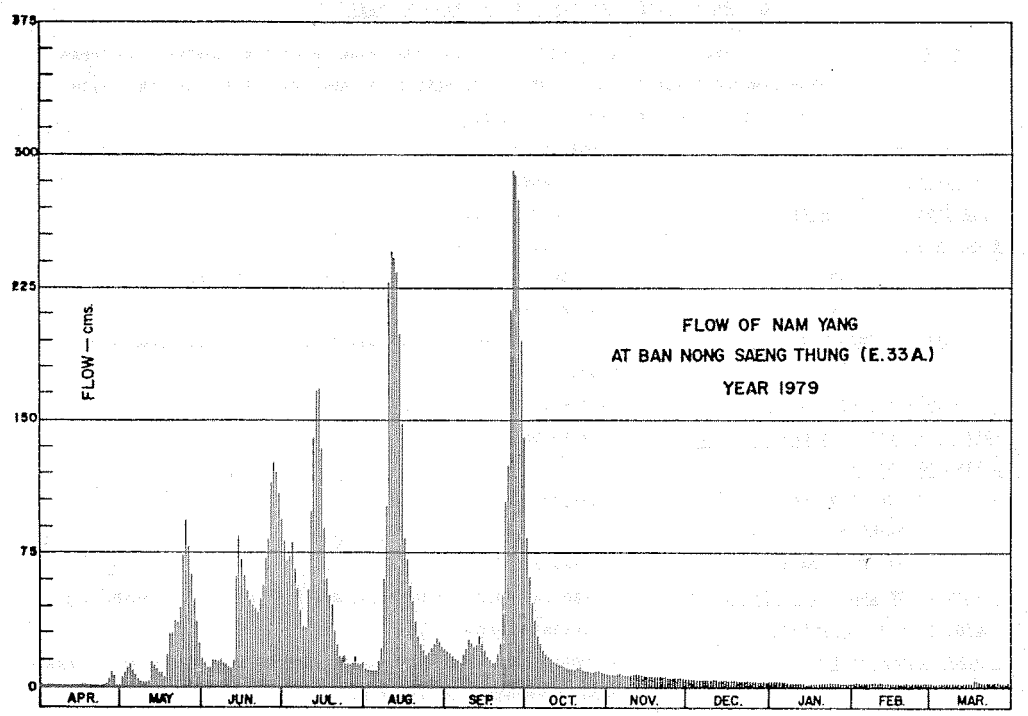
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	134.63	135.11	135.67	137.95	135.47	135.92	137.75	135.29	135.09	134.98	134.89	134.85	
2	134.63	135.32	135.61	137.74	135.42	135.87	137.24	135.27	135.09	134.98	134.87	134.84	
3	134.63	135.42	135.60	137.80	135.38	135.85	136.85	135.27	135.08	134.97	134.87	134.84	
4	134.62	135.60	135.75	138.06	135.35	135.78	136.58	135.31	135.09	134.96	134.87	134.85	
5	134.62	135.36	135.77	137.71	135.37	135.75	136.35	135.31	135.08	134.95	134.87	134.85	
6	134.62	135.18	135.68	137.21	135.73	135.70	136.16	135.28	135.07	134.93	134.87	134.84	
7	134.63	135.07	135.74	136.81	135.96	135.85	136.02	135.25	135.06	134.93	134.87	134.84	
8	134.63	135.03	135.71	136.58	137.26	136.04	135.90	135.26	135.07	134.90	134.87	134.83	
9	134.63	134.98	135.60	136.50	138.66	136.25	135.82	135.27	135.07	134.93	134.87	134.83	
10	134.63	134.95	135.50	137.26	141.47	136.20	135.77	135.28	135.04	134.90	134.94	134.83	
11	134.63	134.96	135.46	138.35	141.74	136.03	135.71	135.27	135.04	134.92	134.87	134.81	
12	134.64	135.71	135.69	139.53	141.68	136.18	135.66	135.29	135.03	134.91	134.86	134.82	
13	134.62	135.60	137.41	140.30	141.35	136.34	135.63	135.25	135.03	134.92	134.86	134.87	
14	134.65	135.40	138.13	140.33	140.68	136.22	135.57	135.24	135.03	134.93	134.85	134.90	
15	134.65	135.30	137.74	138.96	139.35	136.01	135.56	135.23	135.01	134.93	134.87	134.89	
16	134.64	135.28	137.48	138.00	138.10	135.85	135.52	135.22	135.02	134.90	134.85	134.91	
17	134.63	135.14	137.27	137.40	137.48	135.77	135.48	135.22	135.01	134.91	134.85	134.95	
18	134.66	135.83	137.03	137.11	137.08	135.67	135.46	135.21	134.99	134.93	134.86	134.95	
19	134.65	136.40	136.94	136.98	136.80	135.63	135.46	135.19	134.99	134.92	134.85	134.93	
20	134.64	136.42	136.89	136.33	136.50	135.82	135.49	135.18	134.99	134.93	134.84	134.93	
21	134.63	136.66	136.83	136.08	136.28	136.02	135.46	135.18	134.99	134.91	134.84	134.91	
22	134.62	136.62	137.09	135.80	136.11	137.08	135.39	135.18	134.99	134.91	134.84	134.87	
23	134.62	136.91	137.31	135.80	135.99	138.54	135.39	135.15	134.98	134.90	134.85	134.85	
24	134.66	137.86	137.61	135.64	135.89	139.39	135.36	135.15	134.96	134.91	134.85	134.85	
25	134.71	138.39	138.16	135.66	135.92	141.22	135.35	135.15	134.95	134.92	134.85	134.85	
26	135.00	138.00	139.07	135.56	136.05	142.38	135.36	135.15	134.97	134.90	134.88	134.83	
27	135.31	137.37	139.31	135.64	136.10	142.29	135.39	135.14	134.95	134.90	134.90	134.82	
28	135.24	136.99	139.01	135.81	136.28	141.78	135.39	135.13	134.94	134.90	134.86	134.83	
29	134.16	136.58	138.76	135.52	136.21	140.69	135.36	135.11	134.97	134.90	134.84	134.82	
30	134.64	136.09	138.31	135.55	136.11	138.93	135.33	135.10	134.96	134.90		134.81	
31		135.78		135.68	136.01		135.30		134.95	134.90		134.81	
MEAN	134.68	135.98	136.94	137.09	137.22	137.23	135.78	135.22	135.02	134.92	134.86	134.86	
MAX	135.31	138.39	139.31	140.33	141.74	142.38	137.75	135.31	135.09	134.98	134.94	134.95	142.38
MIN	134.16	134.95	135.46	135.52	135.35	135.63	135.30	135.10	134.94	134.90	134.84	134.81	134.16

ANNUAL MAX MOMENTARY GAGE HEIGHT — 142.47 M (MSL), AT 18.00 HOURS, ON SEP 26, 1979

ZERO GAGE AT BOTTOM ELEVATION — 133.97 M (MSL), RIVER BED — 134.56 M (MSL)

LEFT BANK ELEVATION — 143.62 M (MSL)

RIGHT BANK ELEVATION — 143.67 M (MSL), DRAINAGE AREA — 2599 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.78	4.92	13.52	77.40	10.32	18.84	70.20	7.44	4.68	3.36	2.34	2.10	
2	0.78	7.92	12.56	69.84	9.52	17.74	54.43	7.12	4.68	3.36	2.22	2.04	
3	0.78	9.52	12.40	72.00	8.88	17.30	42.59	7.12	4.56	3.24	2.22	2.04	
4	0.72	12.40	15.10	81.36	8.40	15.76	34.48	7.76	4.68	3.12	2.22	2.10	
5	0.72	8.56	15.54	68.76	8.72	15.10	28.60	7.76	4.56	3.00	2.22	2.10	
6	0.72	5.76	13.68	53.52	14.66	14.00	24.12	7.28	4.44	2.76	2.22	2.04	
7	0.78	4.44	14.88	41.38	19.72	17.30	21.04	6.80	4.32	2.76	2.22	2.04	
8	0.78	3.96	14.22	34.48	55.04	21.48	18.40	6.96	4.44	2.40	2.22	1.98	
9	0.78	3.36	12.40	32.40	102.96	26.20	16.64	7.12	4.44	2.76	2.22	1.98	
10	0.78	3.00	10.80	55.04	227.86	25.00	15.54	7.28	4.08	2.40	2.88	1.98	
11	0.78	3.12	10.16	91.80	243.92	21.26	14.22	7.12	4.08	2.64	2.22	1.86	
12	0.84	14.22	13.84	135.20	240.04	24.56	13.36	7.44	3.96	2.52	2.16	1.92	
13	0.72	12.40	59.59	166.00	220.90	28.36	12.88	6.80	3.96	2.64	2.16	2.22	
14	0.90	9.20	83.88	167.56	184.64	25.48	11.92	6.64	3.96	2.76	2.10	2.40	
15	0.90	7.60	69.84	113.76	128.00	20.82	11.76	6.48	3.72	2.76	2.22	2.34	
16	0.84	7.28	61.72	79.20	82.80	17.30	11.12	6.32	3.84	2.40	2.10	2.52	
17	0.78	5.28	55.34	59.29	61.72	15.54	10.48	6.32	3.72	2.52	2.10	3.00	
18	0.96	16.86	48.06	50.49	49.57	13.52	10.16	6.16	3.48	2.76	2.16	3.00	
19	0.90	29.80	45.32	46.54	41.07	12.88	10.16	5.88	3.48	2.64	2.10	2.76	
20	0.84	30.32	43.81	28.12	32.40	16.64	10.64	5.76	3.48	2.76	2.04	2.76	
21	0.78	36.82	41.98	22.36	26.92	21.04	10.16	5.76	3.48	2.52	2.04	2.52	
22	0.72	35.61	49.88	16.20	23.02	49.57	9.04	5.76	3.48	2.52	2.04	2.22	
23	0.72	44.41	56.56	16.20	20.38	98.64	9.04	5.40	3.36	2.40	2.10	2.10	
24	0.96	74.16	65.67	13.04	18.18	129.60	8.56	5.40	3.12	2.52	2.10	2.10	
25	1.26	93.24	84.96	13.36	18.84	213.36	8.40	5.40	3.00	2.64	2.10	2.10	
26	3.60	79.20	117.72	11.76	21.70	290.40	8.56	5.40	3.24	2.40	2.28	1.98	
27	7.76	58.38	126.40	13.04	22.80	283.24	9.04	5.28	3.00	2.40	2.40	1.92	
28	6.64	46.84	115.56	16.42	26.92	246.64	9.04	5.16	2.88	2.40	2.16	1.98	
29	0.00	34.48	108.56	11.12	25.24	185.12	8.56	4.92	3.24	2.40	2.04	1.92	
30	0.84	22.58	90.36	11.60	23.02	112.68	8.08	4.80	3.12	2.40		1.86	
31		15.76		13.68	20.82		7.60		3.00	2.40		1.86	
TOTAL	39.36	741.40	1482.31	1682.92	1998.98	2015.37	538.82	190.84	117.48	82.56	63.60	67.74	9021.36 CMSDAY
MEAN	1.31	23.92	49.41	54.29	64.48	67.18	17.38	6.36	3.79	2.66	2.19	2.19	24.65 CMS
MAX	7.76	93.24	126.40	167.56	243.92	290.40	70.20	7.76	4.68	3.36	2.88	3.00	290.40 CMS
MIN	0.00	3.00	10.16	11.12	8.40	12.88	7.60	4.80	2.88	2.40	2.04	1.86	0.00 CMS
RUNOFF	3.401	64.057	128.071	145.404	172.712	174.128	46.554	16.489	10.150	7.133	5.495	5.853	779.446 MCM

MOMENTARY PEAK 297.60 CMS, AT 142.47 M (MSL), AT 18.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 9.48 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 114.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

LAM PAO AT BAN NONG SONG HONG, KALASIN (E.34)

LOCATION — LAT. 16°-35'-52" N., LONG. 103°-27'-15" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM LAM PAO DAMSITE, AND ABOUT 25 KILOMETERS UPSTREAM FROM THE CONFLUENCE WITH HUAI YANG, AMPHOE SAHATSAKHAN, KALASIN.

DRAINAGE AREA — 5,542 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +139.00 M. (M.S.L.)

BENCH MARK — B.M.-R.I.D. NO.9

LOCATION — ON RIGHT BANK INFRONT OF E.34 STATION OFFICE.

ELEVATION — +150.216 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 — 1962 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1963-1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1963-1973

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

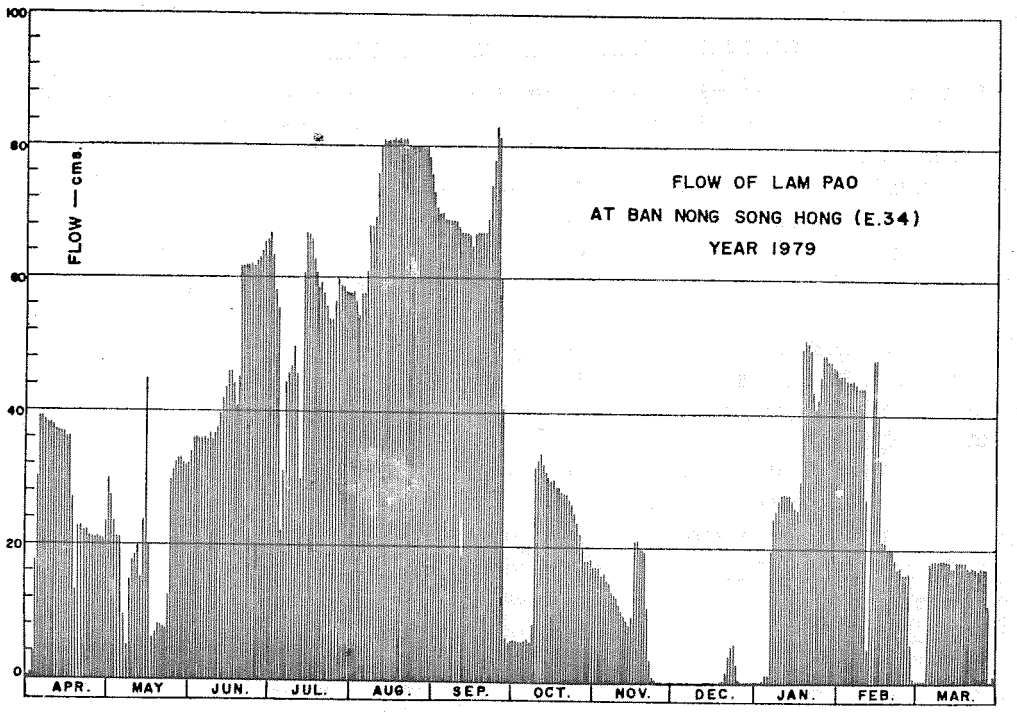
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMEMENTS MADE IN 1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	139.10	140.21	140.34	140.95	140.78	141.04	139.48	139.86	139.11	139.10	140.55	139.08	
2	139.30	140.10	140.34	140.88	140.77	141.00	139.48	139.85	139.10	139.11	140.54	139.06	
3	139.89	140.00	140.33	140.78	140.70	141.00	139.48	139.84	139.09	139.13	140.53	139.01	
4	140.40	139.98	140.35	140.73	140.78	141.00	139.47	139.83	139.09	139.20	140.53	139.15	
5	140.41	139.98	140.35	140.00	140.78	140.99	139.47	139.80	139.08	139.20	140.52	139.82	
6	140.40	139.70	140.35	140.50	140.81	140.98	139.47	139.78	139.07	139.92	140.52	139.88	
7	140.39	139.40	140.35	140.55	140.97	140.99	139.46	139.75	139.06	140.08	140.51	139.89	
8	140.38	139.77	140.36	140.54	140.96	140.99	139.60	139.72	139.07	140.11	140.51	139.89	
9	140.38	139.86	140.35	140.60	140.99	140.98	140.25	139.70	139.07	140.15	140.50	139.89	
10	140.37	139.90	140.36	140.63	141.09	140.97	140.28	139.68	139.08	140.15	140.50	139.89	
11	140.37	139.93	140.39	140.50	141.18	140.95	140.29	139.64	139.09	140.15	140.01	139.88	
12	140.36	139.95	140.45	140.21	141.20	140.95	140.25	139.60	139.10	140.15	139.10	139.88	
13	140.36	139.79	140.48	140.80	141.20	140.95	140.23	139.58	139.10	140.15	140.30	139.88	
14	140.35	140.12	140.51	140.95	141.20	140.94	140.20	139.57	139.11	140.13	140.59	139.87	
15	140.35	140.52	140.55	140.95	141.19	140.91	140.19	139.63	139.11	140.10	140.59	139.87	
16	140.35	139.90	140.55	140.95	141.19	140.95	140.19	139.97	139.12	140.10	140.27	139.88	
17	140.10	139.46	140.53	140.89	141.19	140.95	140.18	139.96	139.12	140.20	139.97	139.88	
18	139.73	139.51	140.45	140.84	141.19	140.94	140.17	139.95	139.13	140.65	139.96	139.88	
19	140.03	139.55	140.60	140.80	141.19	140.94	140.16	139.94	139.13	140.64	139.95	139.88	
20	140.02	139.55	140.85	140.80	141.19	140.94	140.15	139.93	139.22	140.62	139.94	139.87	
21	140.01	139.54	140.86	140.78	141.19	140.95	140.15	139.55	139.37	140.61	139.92	139.87	
22	140.00	139.53	140.85	140.75	141.18	141.02	140.13	139.29	139.43	140.48	139.90	139.86	
23	139.98	139.80	140.85	140.70	141.18	141.11	140.10	139.15	139.45	140.45	139.87	139.86	
24	139.98	140.21	140.85	140.70	141.18	141.16	140.07	139.15	139.30	140.50	139.85	139.86	
25	139.98	140.25	140.86	140.76	141.18	141.22	140.04	139.14	139.10	140.60	139.84	139.86	
26	139.97	140.26	140.87	140.81	141.18	141.20	139.99	139.14	139.07	140.60	139.83	139.86	
27	139.97	140.26	140.90	140.80	141.18	139.60	139.94	139.13	139.06	140.59	139.82	139.86	
28	139.97	140.26	140.91	140.80	141.18	139.49	139.90	139.13	139.05	140.58	139.26	139.10	
29	139.96	140.25	140.93	140.79	141.17	139.45	139.89	139.12	139.06	140.57	139.10	139.04	
30	140.09	140.25	140.93	140.79	141.16	139.48	139.88	139.11	139.07	140.56		139.25	
31		140.28		140.78	141.10		139.87		139.08	140.55		139.72	
MEAN	140.10	139.94	140.59	140.72	141.08	140.80	139.95	139.58	139.13	140.17	140.11	139.69	
MAX	140.41	140.52	140.93	140.95	141.20	141.22	140.29	139.97	139.45	140.65	140.59	139.89	141.22
MIN	139.10	139.40	140.33	140.00	140.70	139.45	139.46	139.11	139.05	139.10	139.10	139.01	139.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 141.25 M (MSL), AT 6.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 139.00 M (MSL), RIVER BED 138.10 M (MSL)
LEFT BANK ELEVATION 146.44 M (MSL)
RIGHT BANK ELEVATION 146.91 M (MSL), DRAINAGE AREA 5542 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	30.52	36.10	67.20	58.04	72.24	6.38	17.08	0.12	0.00	46.10	0.00	
2	2.80	26.10	36.10	63.34	57.51	70.00	6.38	16.75	0.00	0.12	45.60	0.00	
3	18.07	22.10	35.65	58.04	53.80	70.00	6.38	16.42	0.00	0.36	45.10	0.00	
4	38.80	21.36	36.55	55.39	58.04	70.00	6.17	16.09	0.00	1.20	45.10	0.60	
5	39.28	21.36	36.55	22.10	58.04	69.44	6.17	15.10	0.00	1.20	44.60	15.76	
6	38.80	12.00	36.55	43.60	59.63	68.88	6.17	14.48	0.00	19.14	44.60	17.74	
7	38.35	4.70	36.55	46.10	68.32	69.44	5.96	13.55	0.00	25.30	44.10	18.07	
8	37.90	14.17	37.00	45.60	67.76	69.44	9.30	12.62	0.00	26.50	44.10	18.07	
9	37.90	17.08	36.55	48.60	69.44	68.88	32.20	12.00	0.00	28.10	43.60	18.07	
10	37.45	18.40	37.00	50.16	75.04	68.32	33.46	11.46	0.00	28.10	43.60	18.07	
11	37.45	19.51	38.35	43.60	80.24	67.20	33.88	10.38	0.00	28.10	22.50	17.74	
12	37.00	20.25	41.20	30.52	81.40	67.20	32.20	9.30	0.00	28.10	0.00	17.74	
13	37.00	14.79	42.64	59.10	81.40	67.20	31.36	8.80	0.00	28.10	34.30	17.74	
14	36.55	26.90	44.10	67.20	81.40	66.64	30.10	8.55	0.12	27.30	48.10	17.41	
15	36.55	44.60	46.10	67.20	80.82	64.96	29.70	10.11	0.12	26.10	48.10	17.41	
16	36.55	18.40	46.10	67.20	80.82	67.20	29.70	20.99	0.24	26.10	33.04	17.74	
17	26.10	5.96	45.10	63.87	80.82	67.20	29.30	20.62	0.24	30.10	20.99	17.74	
18	12.93	7.05	41.20	61.22	80.82	66.64	28.90	20.25	0.36	51.20	20.62	17.74	
19	23.30	8.05	48.60	59.10	80.82	66.64	28.50	19.88	0.36	50.68	20.25	17.74	
20	22.90	8.05	61.75	59.10	80.82	66.64	28.10	19.51	1.52	49.64	19.88	17.41	
21	22.50	7.80	62.28	58.04	80.82	67.20	28.10	8.05	4.13	49.12	19.14	17.41	
22	22.10	7.55	61.75	56.45	80.24	71.12	27.30	2.64	5.33	42.64	18.40	17.08	
23	21.36	15.10	61.75	53.80	80.24	76.18	26.10	0.60	5.75	41.20	17.41	17.08	
24	21.36	30.52	61.75	53.80	80.24	79.08	24.90	0.60	2.80	43.60	16.75	17.08	
25	21.36	32.20	62.28	56.98	80.24	82.60	23.70	0.48	0.00	48.60	16.42	17.08	
26	20.99	32.62	62.81	59.63	80.24	81.40	21.73	0.48	0.00	48.60	16.09	17.08	
27	20.99	32.62	64.40	59.10	80.24	9.30	19.88	0.36	0.00	48.10	15.76	17.08	
28	20.99	32.62	64.96	59.10	80.24	6.59	18.40	0.36	0.00	47.60	2.16	0.00	
29	20.62	32.20	66.08	58.57	79.66	5.75	18.07	0.24	0.00	47.10	0.00	0.00	
30	25.70	32.20	66.08	58.57	79.08	6.38	17.74	0.12	0.00	46.60		2.00	
31		33.46		58.04	75.60		17.41		0.00	46.10		12.62	
TOTAL	613.65	650.24	1453.88	1710.32	2311.82	1849.76	663.64	307.87	21.09	984.70	836.41	417.30	12020.66 CMSDAY
MEAN	27.12	20.98	48.46	55.17	74.57	61.66	21.41	10.26	0.68	31.76	28.84	13.46	32.84 CMS
MAX	39.28	44.60	66.08	67.20	81.40	82.60	33.88	20.99	5.75	51.20	48.10	18.07	82.60 CMS
MIN	0.00	4.70	35.65	22.10	53.80	5.75	5.96	0.12	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	70.299	56.181	125.615	147.771	199.741	159.819	57.338	26.600	1.822	85.078	72.266	36.055	1038.585 MCM

MOMENTARY PEAK 84.40 CMS, AT 141.25 M (MSL), AT 6.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 5.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

HUAI PRONG KHUN PHET AT BAN THAP NAI, CHAIYAPHUM (E.35A)

LOCATION — LAT. 15°-44'-27" N., LONG. 101°-36'-07" E., ON LEFT BANK ABOUT 6 KILOMETERS UPSTREAM FROM E.35 STATION AT BAN THAP NAI, AMPHOE CHATTURAT, CHAIYAPHUM.

DRAINAGE AREA — 422 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +211.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +216.534 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1973 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 152 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

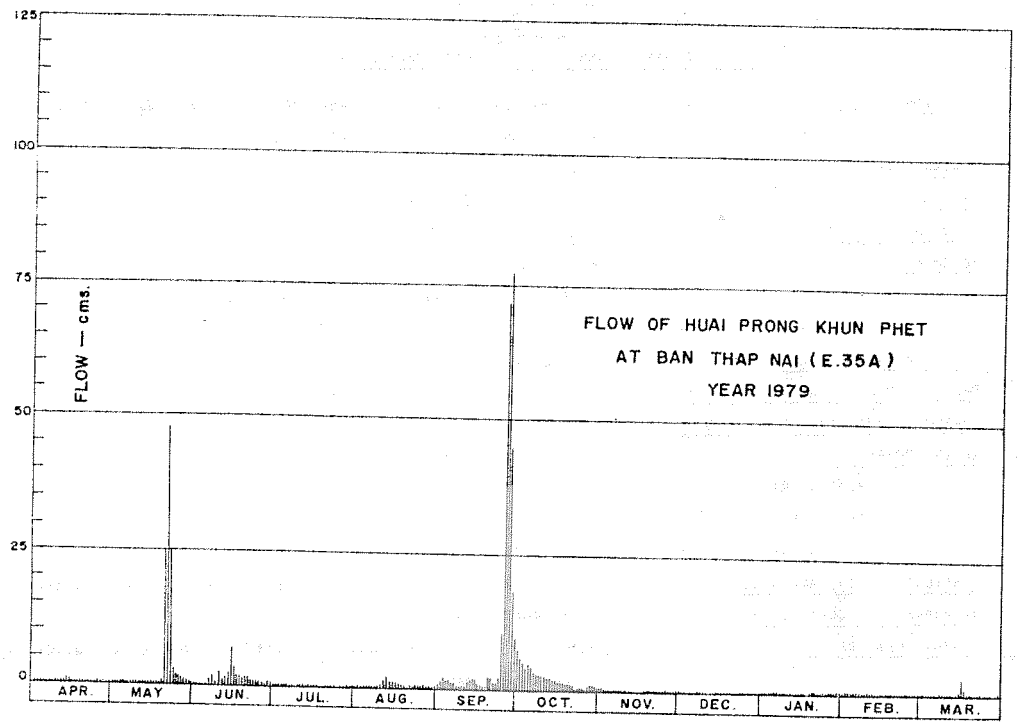
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	211.90	212.09	212.20	212.22	212.11	212.27	213.34	212.31	212.12	212.06	211.98	211.88	
2	211.89	212.08	212.19	212.22	212.10	212.47	213.18	212.30	212.12	212.06	211.97	211.87	
3	211.88	212.07	212.17	212.22	212.09	212.61	213.07	212.29	212.10	212.06	211.97	211.87	
4	211.88	212.07	212.16	122.21	212.08	212.48	212.99	212.27	212.10	212.06	211.95	211.86	
5	211.88	212.06	212.18	212.19	212.08	212.56	213.07	212.27	212.10	212.07	211.95	211.84	
6	211.88	212.04	212.49	212.17	212.08	212.44	212.95	212.26	212.10	212.07	211.93	211.83	
7	211.92	212.04	212.64	212.16	212.08	212.32	212.87	212.24	212.09	212.06	211.90	211.82	
8	211.96	212.26	212.43	212.16	212.09	212.27	212.81	212.24	212.09	212.05	211.90	211.81	
9	211.96	212.35	212.32	212.16	212.14	212.26	212.77	212.24	212.09	212.05	211.90	211.81	
10	211.98	212.37	212.75	212.17	212.28	212.25	212.72	212.23	212.09	212.05	211.88	211.80	
11	211.98	212.35	212.48	212.20	212.52	212.23	212.67	212.20	212.09	212.04	211.88	211.78	
12	211.96	212.62	212.37	212.21	212.67	212.53	212.65	212.20	212.09	212.03	211.88	211.78	
13	212.06	212.29	212.62	212.26	212.54	212.58	212.62	212.18	212.10	212.03	211.85	211.78	
14	212.52	212.17	212.77	212.22	212.41	212.62	212.60	212.17	212.10	212.03	211.89	211.78	
15	212.17	212.13	213.34	212.19	212.37	212.46	212.55	212.16	212.09	212.03	211.01	211.78	
16	212.10	212.11	212.75	212.18	212.34	212.36	212.53	212.16	212.10	212.01	212.05	212.86	
17	212.08	212.09	212.57	212.16	212.31	212.33	212.51	212.17	212.11	212.01	212.00	212.33	
18	212.06	212.08	212.57	212.14	212.33	212.31	212.49	212.17	212.13	212.00	211.99	212.18	
19	212.05	212.07	212.53	212.13	212.33	212.38	212.47	212.15	212.11	212.00	211.98	212.13	
20	212.05	212.24	212.58	212.11	212.31	212.72	212.44	212.14	212.09	212.00	211.96	212.09	
21	212.04	216.11	212.46	212.11	212.30	212.57	212.42	212.14	212.10	212.00	211.95	212.08	
22	212.02	215.50	212.40	212.14	212.28	212.52	212.40	212.14	212.11	212.00	211.94	212.06	
23	212.07	213.39	212.36	212.27	212.25	212.46	212.39	212.14	212.09	212.02	211.94	212.04	
24	212.16	212.88	212.32	212.17	212.24	212.89	212.37	212.14	212.10	212.02	211.94	212.03	
25	212.08	212.62	212.29	212.16	212.23	214.10	212.36	212.13	212.10	212.02	211.94	212.02	
26	212.13	212.48	212.27	212.21	212.22	217.24	212.36	212.13	212.10	212.01	211.93	211.99	
27	212.11	212.39	212.26	212.16	212.20	217.45	212.37	212.12	212.09	212.00	211.92	211.98	
28	212.09	212.33	212.23	212.14	212.28	215.45	212.45	212.12	212.08	211.99	211.91	211.97	
29	212.10	212.28	212.22	212.13	212.27	213.95	212.43	212.11	212.08	211.99	211.89	211.97	
30	212.09	212.24	212.22	212.13	212.32	213.59	212.37	212.11	212.08	211.99		211.97	
31		212.21		212.13	212.28		212.34		212.07	211.99		211.96	
MEAN	212.03	212.52	212.44	209.27	212.26	213.02	212.63	212.19	212.10	212.03	211.90	211.97	
MAX	212.52	216.11	213.34	212.27	212.67	217.45	213.34	212.31	212.13	212.07	212.05	212.86	217.45
MIN	211.88	212.04	212.16	122.21	212.08	212.23	212.34	212.11	212.07	211.99	211.01	211.78	122.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 218.18 M (MSL), AT 22.00 HOURS, ON SEP 26, 1979

ZERO GAGE AT BOTTOM ELEVATION 211.00 M (MSL), RIVER BED 211.57 M (MSL)

LEFT BANK ELEVATION 219.50 M (MSL)

RIGHT BANK ELEVATION 218.56 M (MSL), DRAINAGE AREA 422 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.19	0.26	0.30	0.20	0.39	6.96	0.48	0.21	0.17	0.12	0.05	
2	0.06	0.18	0.25	0.30	0.19	1.10	5.47	0.45	0.21	0.17	0.11	0.05	
3	0.05	0.18	0.24	0.30	0.19	1.80	4.52	0.43	0.19	0.17	0.11	0.05	
4	0.05	0.18	0.23	0.00	0.18	1.15	3.93	0.39	0.19	0.17	0.10	0.04	
5	0.05	0.17	0.25	0.25	0.18	1.55	4.52	0.39	0.19	0.18	0.10	0.03	
6	0.05	0.16	1.20	0.24	0.18	0.95	3.62	0.37	0.19	0.18	0.08	0.02	
7	0.08	0.16	1.95	0.23	0.18	0.51	3.10	0.34	0.19	0.17	0.06	0.01	
8	0.10	0.37	0.90	0.23	0.19	0.39	2.80	0.34	0.19	0.16	0.06	0.01	
9	0.10	0.60	0.51	0.23	0.22	0.37	2.60	0.34	0.19	0.16	0.06	0.01	
10	0.12	0.66	2.50	0.24	0.41	0.36	2.35	0.32	0.19	0.16	0.05	0.00	
11	0.12	0.60	1.15	0.26	1.35	0.32	2.10	0.26	0.19	0.16	0.05	0.00	
12	0.10	1.85	0.66	0.28	2.10	1.40	2.00	0.26	0.19	0.15	0.05	0.00	
13	0.17	0.43	1.85	0.37	1.45	1.65	1.85	0.25	0.19	0.15	0.03	0.00	
14	1.35	0.24	2.60	0.30	0.80	1.85	1.75	0.24	0.19	0.15	0.06	0.00	
15	0.24	0.21	6.96	0.25	0.66	1.05	1.50	0.23	0.19	0.15	0.00	0.00	
16	0.19	0.20	2.50	0.25	0.57	0.63	1.40	0.23	0.19	0.14	0.16	3.05	
17	0.18	0.19	1.60	0.23	0.48	0.54	1.30	0.24	0.20	0.14	0.13	0.54	
18	0.17	0.18	1.60	0.22	0.54	0.48	1.20	0.24	0.21	0.13	0.12	0.25	
19	0.16	0.18	1.40	0.21	0.54	0.69	1.10	0.23	0.20	0.13	0.12	0.21	
20	0.16	0.34	1.65	0.20	0.48	2.35	0.95	0.22	0.19	0.13	0.10	0.19	
21	0.16	47.50	1.05	0.20	0.45	1.60	0.85	0.22	0.19	0.13	0.10	0.18	
22	0.14	36.23	0.75	0.22	0.41	1.35	0.75	0.22	0.20	0.13	0.09	0.17	
23	0.18	7.43	0.63	0.39	0.36	1.05	0.72	0.22	0.19	0.14	0.09	0.16	
24	0.23	3.15	0.51	0.24	0.34	3.20	0.66	0.22	0.19	0.14	0.09	0.15	
25	0.18	1.85	0.43	0.23	0.32	15.36	0.63	0.21	0.19	0.14	0.09	0.14	
26	0.21	1.15	0.39	0.28	0.30	71.66	0.63	0.21	0.19	0.14	0.08	0.12	
27	0.20	0.72	0.37	0.23	0.26	77.05	0.66	0.21	0.19	0.13	0.08	0.12	
28	0.19	0.54	0.32	0.22	0.41	35.37	1.00	0.21	0.18	0.12	0.07	0.11	
29	0.19	0.41	0.30	0.21	0.39	13.51	0.90	0.20	0.18	0.12	0.06	0.11	
30	0.19	0.34	0.30	0.21	0.51	9.40	0.66	0.20	0.18	0.12		0.11	
31		0.28		0.21	0.41		0.57		0.18	0.12		0.10	
TOTAL	5.43	106.89	35.31	7.53	15.25	249.08	63.05	8.37	5.94	4.55	2.42	5.98	509.80 CMSDAY
MEAN	0.18	3.45	1.18	0.24	0.49	8.30	2.03	0.28	0.19	0.15	0.08	0.19	1.39 CMS
MAX	1.35	47.50	6.96	0.39	2.10	77.05	6.96	0.48	0.21	0.18	0.16	3.05	77.05 CMS
MIN	0.05	0.16	0.23	0.00	0.18	0.32	0.57	0.20	0.18	0.12	0.00	0.00	0.00 CMS
RUNOFF	0.469	9.235	3.051	0.651	1.318	21.520	5.448	0.723	0.513	0.393	0.209	0.517	44.047 MCM

MOMENTARY PEAK 95.36 CMS, AT 218.18 M (MSL), AT 22.00 HOURS, ON SEP 26, 1979

RUNOFF YIELD 3.30 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 233.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

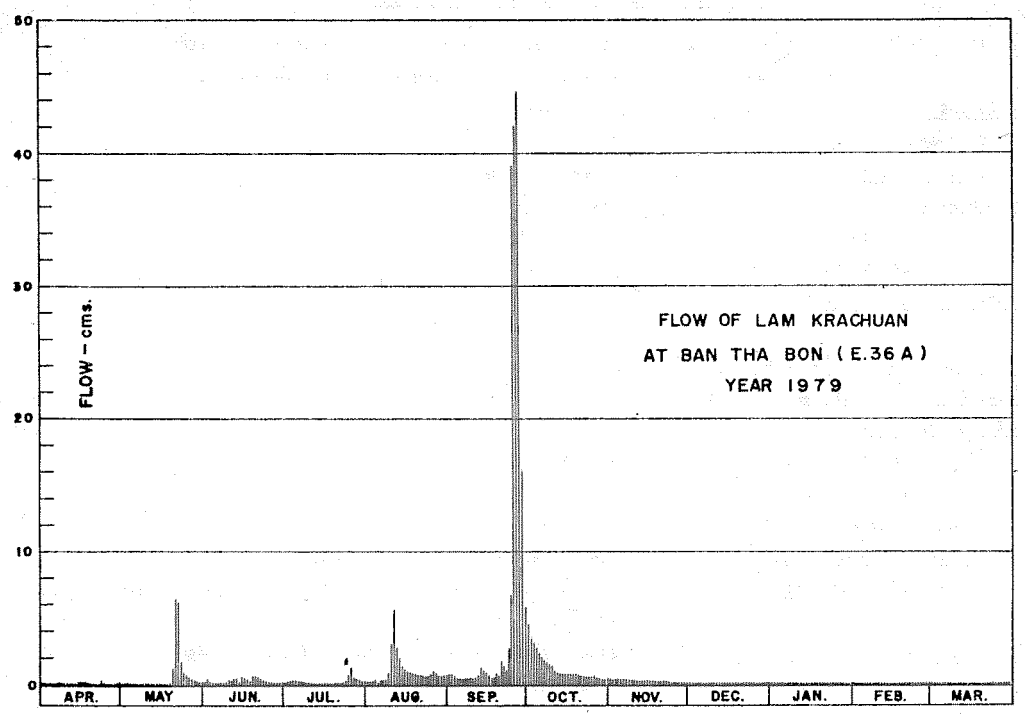
LAM KRACHUAN AT BAN THA BON, CHAIYAPHUM (E.36A)

LOCATION	LAT. 15°43'24" N., LONG. 101°40'04" E., ON RIGHT BANK ABOUT 2 KILOMETERS UPSTREAM FROM E.36 STATION AT BAN THA BON, AMPHOE CHATTURAT, CHAIYAPHUM.
DRAINAGE AREA	290 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+211.25 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK ALONG THE MEASURING LINE.
ELEVATION	+217.647 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 168 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	212.76	213.03	213.23	213.19	213.19	213.42	213.94	213.29	213.20	213.11	212.91	212.74	
2	212.75	213.02	213.28	213.22	213.20	213.40	213.84	213.28	213.19	213.12	212.92	212.74	
3	212.75	213.02	213.22	213.24	213.21	213.34	213.78	213.28	213.19	213.11	212.89	212.74	
4	212.74	213.01	213.19	213.24	213.24	213.32	213.73	213.28	213.18	213.11	212.88	212.74	
5	212.74	213.00	213.18	213.24	212.22	213.33	213.69	213.28	213.18	213.09	212.88	212.74	
6	212.74	213.00	213.18	213.22	213.21	213.33	213.66	213.26	213.18	213.09	212.87	212.73	
7	212.73	213.00	213.19	213.20	213.23	213.31	213.62	213.26	213.17	213.08	212.87	212.72	
8	212.72	212.99	213.17	213.18	213.23	213.30	213.59	213.26	213.17	213.08	212.85	212.71	
9	212.72	213.10	213.22	213.17	213.42	213.29	213.57	213.24	213.17	213.07	212.85	212.70	
10	212.73	213.16	213.26	213.17	213.58	213.29	213.56	213.23	213.17	213.07	212.85	212.70	
11	212.73	213.13	213.24	213.18	214.05	213.29	213.49	213.22	213.17	213.06	212.84	212.70	
12	212.73	213.14	213.32	213.17	213.75	213.38	213.46	213.22	213.16	213.05	212.84	212.69	
13	212.82	213.15	213.36	213.18	213.65	213.54	213.45	213.22	213.16	213.04	212.84	212.68	
14	213.20	213.13	213.52	213.18	213.55	213.52	213.44	213.22	213.16	213.04	212.83	212.67	
15	213.14	213.09	213.35	213.19	213.48	213.44	213.42	213.22	213.16	213.03	212.83	212.76	
16	213.09	213.08	213.31	213.19	213.47	213.37	213.41	213.22	213.16	213.03	212.82	213.25	
17	213.06	213.06	213.28	213.18	213.44	213.32	213.41	213.22	213.15	213.02	212.81	213.19	
18	213.04	213.04	213.26	213.18	213.42	213.30	213.41	213.21	213.15	213.02	212.81	213.16	
19	213.03	213.04	213.36	213.16	213.40	213.41	213.41	213.21	213.15	213.10	212.81	213.16	
20	213.02	213.18	213.36	213.16	213.39	213.38	213.40	213.21	213.15	212.93	212.80	213.14	
21	213.00	214.13	213.32	213.17	213.37	213.59	213.38	213.21	213.14	212.98	212.78	213.09	
22	213.00	214.10	213.28	213.16	213.38	213.55	213.37	213.20	213.14	212.98	212.78	213.07	
23	213.06	213.58	213.25	213.14	213.35	213.47	213.35	213.19	213.14	212.98	212.78	213.06	
24	213.24	213.46	213.22	213.14	213.34	213.65	213.34	213.18	213.15	212.98	212.78	213.05	
25	213.14	213.37	213.20	213.33	213.41	214.16	213.35	213.18	213.15	212.97	212.78	213.05	
26	213.12	213.33	213.19	213.48	213.47	216.17	213.37	213.18	213.15	212.94	212.77	213.05	
27	213.10	213.30	213.19	213.33	213.40	216.42	213.35	213.18	213.16	212.94	212.76	213.04	
28	213.09	213.26	213.18	213.28	213.38	215.87	213.31	213.19	213.15	212.94	212.75	213.04	
29	213.06	213.24	213.18	213.25	213.37	214.51	213.31	213.19	213.14	212.94	212.74	213.03	
30	213.05	213.22	213.18	213.23	213.38	214.12	213.30	213.20	213.12	212.93		213.03	
31		213.20		213.20	213.42		213.30		213.11	212.93		213.03	
MEAN	212.94	213.21	213.26	213.21	213.37	213.76	213.48	213.22	213.16	213.02	212.82	212.91	
MAX	213.24	214.13	213.52	213.48	214.05	216.42	213.94	213.29	213.20	213.12	212.92	213.25	216.42
MIN	212.72	212.99	213.17	213.14	212.22	213.29	213.30	213.18	213.11	212.93	212.74	212.67	212.22

ANNUAL MAX MOMENTARY GAGE HEIGHT 216.93 M (MSL), AT 20.00 HOURS, ON SEP 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 211.25 M (MSL), RIVER BED 213.18 M (MSL)
LEFT BANK ELEVATION 221.59 M (MSL)
RIGHT BANK ELEVATION 219.24 M (MSL), DRAINAGE AREA 290 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.03	0.29	0.19	0.19	0.86	4.50	0.47	0.20	0.11	0.00	0.00	
2	0.00	0.02	0.44	0.26	0.20	0.80	3.62	0.44	0.19	0.12	0.00	0.00	
3	0.00	0.02	0.26	0.32	0.23	0.62	3.14	0.44	0.19	0.11	0.00	0.00	
4	0.00	0.01	0.19	0.32	0.32	0.56	2.74	0.44	0.18	0.11	0.00	0.00	
5	0.00	0.00	0.18	0.32	0.00	0.59	2.43	0.44	0.18	0.09	0.00	0.00	
6	0.00	0.00	0.18	0.26	0.23	0.59	2.22	0.38	0.18	0.09	0.00	0.00	
7	0.00	0.00	0.19	0.20	0.29	0.53	1.94	0.38	0.17	0.08	0.00	0.00	
8	0.00	0.00	0.17	0.18	0.29	0.50	1.73	0.38	0.17	0.08	0.00	0.00	
9	0.00	0.10	0.26	0.17	0.86	0.47	1.59	0.32	0.17	0.07	0.00	0.00	
10	0.00	0.16	0.38	0.17	1.66	0.47	1.52	0.29	0.17	0.07	0.00	0.00	
11	0.00	0.13	0.32	0.18	5.65	0.47	1.07	0.26	0.17	0.06	0.00	0.00	
12	0.00	0.14	0.56	0.17	2.90	0.74	0.98	0.26	0.16	0.05	0.00	0.00	
13	0.00	0.15	0.68	0.18	2.15	1.38	0.95	0.26	0.16	0.04	0.00	0.00	
14	0.20	0.13	1.24	0.18	1.45	1.24	0.92	0.26	0.16	0.04	0.00	0.00	
15	0.14	0.09	0.65	0.19	1.04	0.92	0.86	0.26	0.16	0.03	0.00	0.00	
16	0.09	0.08	0.53	0.19	1.01	0.71	0.83	0.26	0.16	0.03	0.00	0.35	
17	0.06	0.06	0.44	0.18	0.92	0.56	0.83	0.26	0.15	0.02	0.00	0.19	
18	0.04	0.04	0.38	0.18	0.86	0.50	0.83	0.23	0.15	0.02	0.00	0.16	
19	0.03	0.04	0.68	0.16	0.80	0.83	0.83	0.23	0.15	0.10	0.00	0.16	
20	0.02	0.18	0.68	0.16	0.77	0.74	0.80	0.23	0.15	0.00	0.00	0.14	
21	0.00	6.53	0.56	0.17	0.71	1.73	0.74	0.23	0.14	0.00	0.00	0.09	
22	0.00	6.20	0.44	0.16	0.74	1.45	0.71	0.20	0.14	0.00	0.00	0.07	
23	0.06	1.66	0.35	0.14	0.65	1.01	0.65	0.19	0.14	0.00	0.00	0.06	
24	0.32	0.98	0.26	0.14	0.62	2.15	0.62	0.18	0.15	0.00	0.00	0.05	
25	0.14	0.71	0.20	0.59	0.83	6.86	0.65	0.18	0.15	0.00	0.00	0.05	
26	0.12	0.59	0.19	1.04	1.01	39.20	0.71	0.18	0.15	0.00	0.00	0.05	
27	0.10	0.50	0.19	0.59	0.80	44.64	0.65	0.18	0.16	0.00	0.00	0.04	
28	0.09	0.38	0.18	0.44	0.74	33.43	0.53	0.19	0.15	0.00	0.00	0.04	
29	0.06	0.32	0.18	0.35	0.71	11.03	0.53	0.19	0.14	0.00	0.00	0.03	
30	0.05	0.26	0.18	0.29	0.74	6.42	0.50	0.20	0.12	0.00		0.03	
31		0.20		0.20	0.86		0.50		0.11	0.00		0.03	
TOTAL	1.52	19.71	11.43	8.27	30.23	162.00	41.12	8.41	4.92	1.32	0.00	1.54	290.47 CMSDAY
MEAN	0.05	0.64	0.38	0.27	0.98	5.40	1.33	0.28	0.16	0.04	0.00	0.05	0.79 CMS
MAX	0.32	6.53	1.24	1.04	5.65	44.64	4.50	0.47	0.20	0.12	0.00	0.35	44.64 CMS
MIN	0.00	0.00	0.17	0.14	0.00	0.47	0.50	0.18	0.11	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.131	1.703	0.988	0.715	2.612	13.997	3.553	0.727	0.425	0.114	0.000	0.133	25.097 MCM

MOMENTARY PEAK 56.45 CMS, AT 216.93 M (MSL), AT 20.00 HOURS, ON SEP 27, 1979

RUNOFF YIELD 2.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 194.66 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

LAM CHOEN AT BAN DON HAN, KHON KAEN (E.38)

LOCATION — LAT. 16°31'22" N., LONG. 102°02'03" E., ON RIGHT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM THE WIER, BAN DON HAN, AMPHOE CHUM PHAE, KHON KAEN.

DRAINAGE AREA — 1,446 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +213.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 8 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +220.442 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1974 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974-1978

RATED BY FLOAT —

RATED BY CURRENT METER — 1974-1978

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

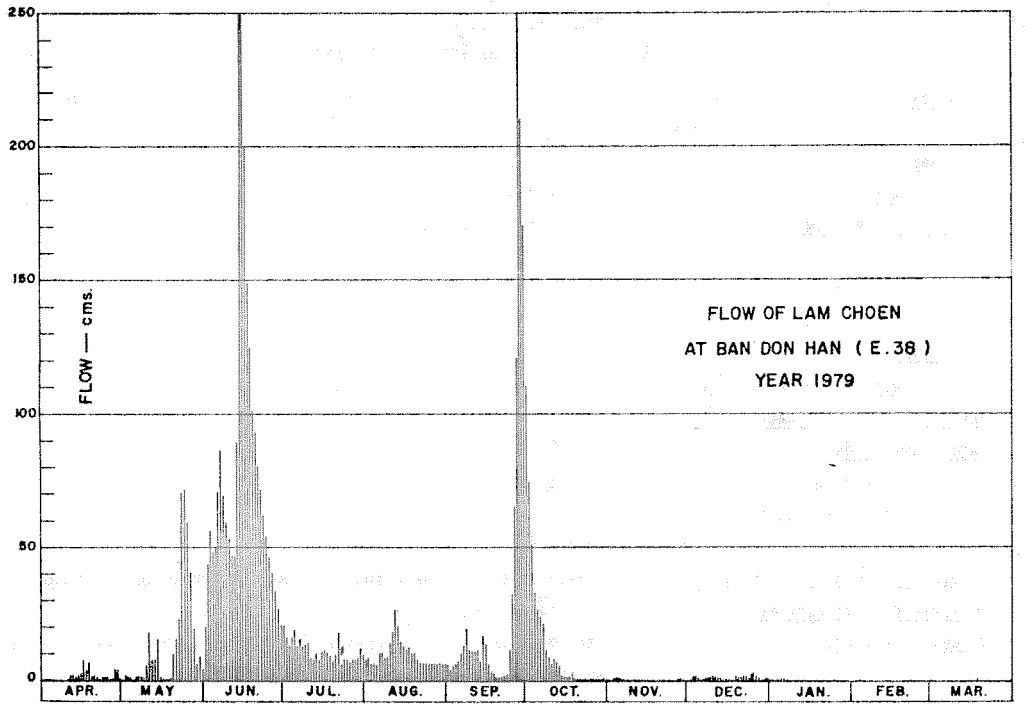
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +220.11 M. (M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 635 DISCHARGE MEASUREMENTS MADE DURING 1976-1978.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	213.46	213.55	215.04	215.22	214.42	214.27	218.58	213.51	213.43	213.58	213.30	213.18	
2	213.46	213.83	216.37	214.95	214.45	214.08	217.29	213.49	213.49	213.57	213.21	213.17	
3	213.43	213.72	216.94	214.75	214.26	214.20	216.31	213.60	213.83	213.53	213.17	213.17	
4	213.28	213.62	216.59	215.00	214.25	214.23	215.71	213.63	213.67	213.45	213.16	213.17	
5	213.26	213.58	216.72	215.10	214.27	214.35	215.47	213.54	213.54	213.69	213.15	213.18	
6	213.26	213.77	217.70	214.73	214.51	214.53	215.39	213.56	213.49	213.79	213.15	213.16	
7	213.24	213.74	218.35	214.92	214.55	214.72	215.20	213.54	213.69	213.52	213.14	213.20	
8	213.25	213.70	217.70	214.72	214.43	215.18	214.66	213.60	213.70	213.32	213.14	213.20	
9	213.46	213.63	217.28	214.78	214.44	214.64	214.37	213.49	213.69	213.45	213.27	213.18	
10	213.48	214.19	217.07	214.82	214.81	214.57	214.26	213.41	213.75	213.43	213.21	213.18	
11	213.82	215.07	216.56	214.48	215.05	214.50	214.41	213.33	213.71	213.49	213.20	213.15	
12	213.81	214.43	216.55	214.37	215.53	214.66	214.27	213.29	213.63	213.58	213.20	213.17	
13	213.70	214.29	218.38	214.55	215.33	214.34	214.12	213.33	213.50	213.57	213.29	213.24	
14	213.83	214.84	220.20	214.42	214.85	215.00	213.75	213.52	213.45	213.45	213.21	213.19	
15	213.92	213.88	220.36	214.57	214.70	214.81	213.79	213.52	213.54	213.25	213.21	213.18	
16	214.37	213.62	220.15	214.59	214.64	214.49	213.71	213.53	213.46	213.21	213.21	213.21	
17	214.05	213.65	219.82	214.58	214.69	213.93	213.70	213.55	213.48	213.17	213.21	213.20	
18	214.32	213.55	219.53	214.47	214.51	213.91	213.99	213.55	213.68	213.16	213.19	213.44	
19	213.67	213.48	218.97	214.48	214.53	213.69	213.48	213.55	213.82	213.15	213.19	213.16	
20	213.81	214.46	218.59	214.23	214.49	213.71	213.45	213.55	213.77	213.18	213.19	213.15	
21	213.69	214.86	218.21	214.57	214.33	213.69	213.45	213.55	213.74	213.17	213.21	213.17	
22	213.58	215.32	217.74	215.02	214.20	213.70	213.46	213.53	213.80	213.15	213.17	213.15	
23	213.67	217.06	217.49	214.26	214.26	213.84	213.46	213.47	213.80	213.15	213.19	213.14	
24	213.70	217.71	217.01	214.39	214.24	213.96	213.59	213.41	213.78	213.20	213.18	213.14	
25	213.68	217.74	216.60	214.32	214.25	215.70	213.57	213.41	213.93	213.17	213.18	213.14	
26	213.59	216.51	216.27	214.24	214.26	217.48	213.58	213.43	213.87	213.16	213.18	213.16	
27	213.55	215.90	215.88	214.37	214.27	219.71	213.58	213.70	213.63	213.16	213.19	213.16	
28	214.04	215.24	215.66	214.35	214.26	220.32	213.53	213.62	213.31	213.16	213.19	213.16	
29	214.08	214.11	215.45	214.38	214.23	220.17	213.57	213.55	213.58	213.16	213.19	213.23	
30	213.56	214.44	215.18	214.64	214.26	219.60	213.63	213.39	213.61	213.16		213.17	
31		214.05		214.45	214.20		213.53		213.61	213.16		213.16	
MEAN	213.67	214.56	217.48	214.60	214.50	215.20	214.35	213.50	213.64	213.33	213.20	213.18	
MAX	214.37	217.74	220.36	215.22	215.53	220.32	218.58	213.70	213.93	213.79	213.30	213.44	220.36
MIN	213.24	213.48	215.04	214.23	214.20	213.69	213.45	213.29	213.31	213.15	213.14	213.14	213.14

ANNUAL MAX. MOMENTARY GAGE HEIGHT 220.38 M (MSL), AT 12.00 HOURS, ON JUN 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 213.00 M (MSL), RIVER BED 213.04 M (MSL)
LEFT BANK ELEVATION 220.10 M (MSL)
RIGHT BANK ELEVATION 220.10 M (MSL), DRAINAGE AREA 1446 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	0.85	18.26	21.68	8.80	6.84	92.40	0.73	0.49	0.94	0.10	0.00	
2	0.58	2.30	43.90	16.75	9.25	4.80	62.59	0.67	0.67	0.91	0.01	0.00	
3	0.49	1.60	55.30	13.75	6.72	6.00	42.70	1.00	2.30	0.79	0.00	0.00	
4	0.08	1.10	48.30	17.50	6.60	6.36	30.99	1.15	1.35	0.55	0.00	0.00	
5	0.06	0.94	50.90	19.40	6.84	7.85	26.43	0.82	0.82	1.45	0.00	0.00	
6	0.06	1.85	71.40	13.45	10.15	10.45	24.91	0.88	0.67	1.95	0.00	0.00	
7	0.04	1.70	86.40	16.30	10.75	13.30	21.30	0.82	1.45	0.76	0.00	0.00	
8	0.05	1.90	71.40	13.30	8.95	20.92	12.40	1.00	1.50	0.16	0.00	0.00	
9	0.58	1.15	62.38	14.20	9.10	12.10	8.11	0.67	1.45	0.55	0.07	0.00	
10	0.64	5.90	57.97	14.80	14.65	11.05	6.72	0.43	1.75	0.49	0.01	0.00	
11	2.20	18.83	47.70	9.70	18.45	10.00	8.65	0.19	1.55	0.67	0.00	0.00	
12	2.10	8.95	47.50	8.11	27.57	12.40	6.84	0.09	1.15	0.94	0.00	0.00	
13	1.50	7.08	87.12	10.75	23.77	7.72	5.20	0.19	0.70	0.91	0.09	0.04	
14	2.30	15.10	212.00	8.80	15.25	17.50	1.75	0.76	0.55	0.55	0.01	0.00	
15	3.20	2.80	267.50	11.05	13.00	14.65	1.95	0.76	0.82	0.05	0.01	0.00	
16	8.11	1.10	199.75	11.35	12.10	9.85	1.55	0.79	0.58	0.01	0.01	0.01	
17	4.50	1.25	149.50	11.20	12.85	3.30	1.50	0.85	0.64	0.00	0.01	0.00	
18	7.46	0.85	128.80	9.55	10.15	3.10	3.90	0.85	1.40	0.00	0.00	0.52	
19	1.35	0.64	104.10	9.70	10.45	1.45	0.64	0.85	2.20	0.00	0.00	0.00	
20	2.10	9.10	92.70	6.36	9.85	1.55	0.55	0.85	1.85	0.00	0.00	0.00	
21	1.45	15.40	83.04	11.05	7.59	1.45	0.55	0.85	1.70	0.00	0.01	0.00	
22	0.94	23.58	72.28	17.88	6.00	1.50	0.58	0.79	2.00	0.00	0.00	0.00	
23	1.35	57.76	66.79	6.72	6.72	2.40	0.58	0.61	2.00	0.00	0.00	0.00	
24	1.50	71.62	56.71	6.37	6.48	3.60	0.97	0.43	1.90	0.00	0.00	0.00	
25	1.40	72.28	48.50	7.46	6.60	30.80	0.91	0.43	3.30	0.00	0.00	0.00	
26	0.97	46.70	41.90	6.48	6.72	66.56	0.94	0.49	2.70	0.00	0.00	0.00	
27	0.85	34.63	34.22	8.11	6.84	140.75	0.94	1.50	1.15	0.00	0.00	0.00	
28	4.40	22.06	30.04	7.85	6.72	252.50	0.79	1.10	0.13	0.00	0.00	0.00	
29	4.80	5.10	26.05	8.24	6.36	204.65	0.91	0.85	0.94	0.00	0.00	0.03	
30	0.68	9.10	25.92	12.10	6.72	133.00	1.15	0.37	1.05	0.00		0.00	
31		4.90		9.25	6.00		0.79		1.05	0.00		0.00	
TOTAL	56.52	447.29	2383.35	361.21	318.00	1018.42	370.19	21.77	41.81	11.68	0.33	0.60	5031.14 CMSDAY
MEAN	1.68	14.43	79.44	11.65	10.26	33.95	11.94	0.73	1.35	0.38	0.01	0.02	13.75 CMS
MAX	8.11	72.28	267.50	21.68	27.57	252.50	92.40	1.50	3.30	1.95	0.10	0.52	267.50 CMS
MIN	0.04	0.64	18.26	6.36	6.00	1.45	0.55	0.09	0.13	0.00	0.00	0.00	0.00 CMS
RUNOFF	4.883	38.646	205.919	31.208	27.475	87.991	31.984	1.881	3.612	1.009	0.029	0.052	434.690 MCM

MOMENTARY PEAK 274.99 CMS, AT 220.38 M (MSL), AT 12.00 HOURS, ON JUN 15, 1979

RUNOFF YIELD 9.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 190.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

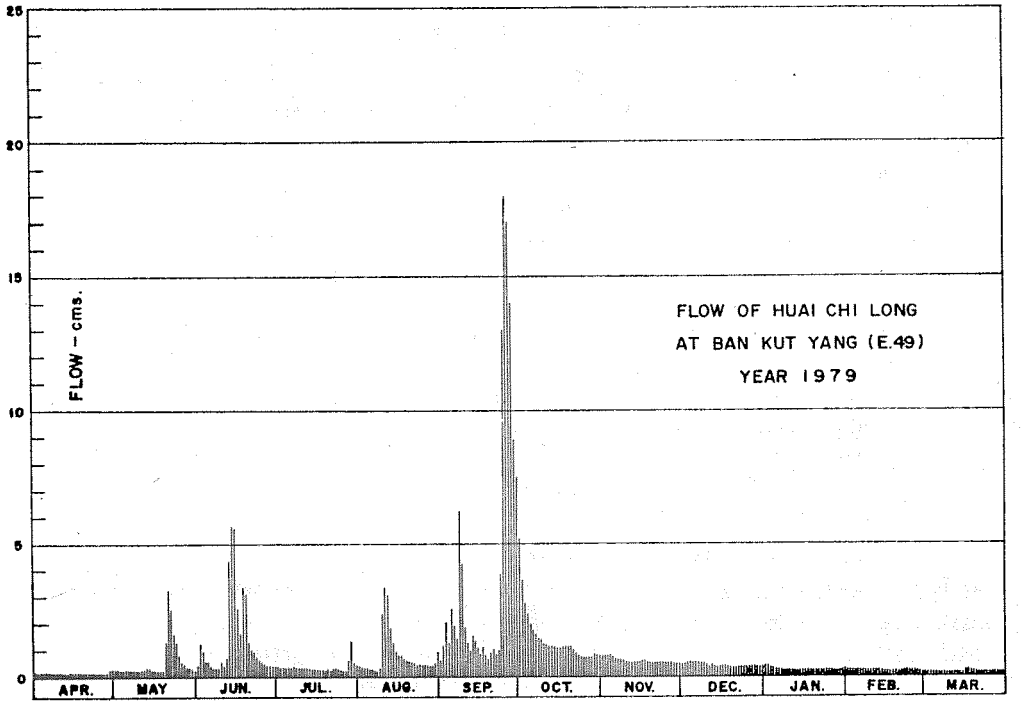
HUAI CHI LONG AT BAN KUT YANG, CHAIYAPHUM (E.49)

LOCATION	LAT. 15-49-31 N., LONG. 101-51-01 E., ON LEFT BANK AT BAN KUT YANG, AMPHOE BAN KHWAO, CHAIYAPHUM.
DRAINAGE AREA	265 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+196.063 M. (M.S.L.)
BENCH MARK	B.M.-M.S.
LOCATION	IN THE VICINITY OF E.49 STATION OFFICE.
ELEVATION	+205.180 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1970
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1970
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 144 DISCHARGE MEASUREMENTS MADE IN 1970.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	199.06	199.19	199.36	199.30	199.33	199.45	201.12	199.55	199.36	199.34	199.19	199.09	
2	199.05	199.16	199.78	199.29	199.29	199.78	200.67	199.56	199.38	199.33	199.19	199.09	
3	199.05	199.16	199.62	199.30	199.25	200.13	200.39	199.55	199.40	199.22	199.19	199.08	
4	199.04	199.16	199.43	199.30	199.22	199.80	200.24	199.56	199.41	199.20	199.18	199.07	
5	199.04	199.15	199.37	199.28	199.20	200.33	200.09	199.53	199.42	199.19	199.18	199.07	
6	199.03	199.14	199.30	199.26	199.18	200.09	199.99	199.49	199.39	199.19	199.17	199.07	
7	199.03	199.13	199.26	199.30	199.18	199.87	199.95	199.49	199.37	199.16	199.17	199.07	
8	199.03	199.11	199.27	199.26	199.17	201.40	199.89	199.48	199.37	199.18	199.16	199.07	
9	199.02	199.11	199.26	199.25	199.25	200.86	199.82	199.45	199.35	199.17	199.15	199.07	
10	199.02	199.12	199.41	199.24	200.25	200.04	199.78	199.41	199.32	199.15	199.15	199.06	
11	199.02	199.16	199.33	199.25	200.59	199.77	199.76	199.41	199.29	199.15	199.14	199.06	
12	199.01	199.19	199.52	199.23	200.49	199.64	199.74	199.38	199.36	199.16	199.14	199.05	
13	199.02	199.29	200.89	199.22	200.05	199.91	199.74	199.41	199.30	199.17	199.12	199.06	
14	199.07	199.23	201.26	199.21	199.79	199.81	199.72	199.43	199.29	199.17	199.11	199.06	
15	199.07	199.18	201.24	199.20	199.62	199.67	199.70	199.42	199.29	199.18	199.10	199.07	
16	199.07	199.16	200.33	199.18	199.55	199.60	199.70	199.45	199.30	199.19	199.10	199.16	
17	199.06	199.15	199.95	199.18	199.55	199.69	199.73	199.45	199.31	199.18	199.10	199.14	
18	199.05	199.14	200.58	199.19	199.50	199.52	199.74	199.41	199.29	199.17	199.10	199.11	
19	199.05	199.15	200.50	199.18	199.45	199.50	199.74	199.38	199.27	199.17	199.09	199.10	
20	199.05	199.17	199.83	199.21	199.42	199.61	199.73	199.37	199.25	199.17	199.09	199.10	
21	199.03	200.54	199.66	199.15	199.41	199.68	199.65	199.39	199.27	199.16	199.09	199.09	
22	199.03	200.31	199.62	199.22	199.38	199.57	199.60	199.39	199.29	199.16	199.13	199.09	
23	199.03	199.90	199.52	199.24	199.35	199.66	199.57	199.39	199.29	199.16	199.19	199.08	
24	199.03	199.76	199.44	199.20	199.34	200.76	199.54	199.40	199.29	199.17	199.18	199.09	
25	199.02	199.52	199.39	199.19	199.35	202.52	199.53	199.40	199.30	199.17	199.16	199.08	
26	199.02	199.38	199.36	199.17	199.34	202.92	199.52	199.37	199.29	199.16	199.16	199.07	
27	199.02	199.32	199.34	199.19	199.34	202.85	199.52	199.37	199.29	199.15	199.12	199.07	
28	199.02	199.28	199.33	199.44	199.32	202.61	199.53	199.36	199.30	199.15	199.11	199.06	
29	199.15	199.27	199.31	199.82	199.35	201.98	199.58	199.36	199.29	199.18	199.10	199.06	
30	199.23	199.21	199.30	199.39	199.43	201.69	199.56	199.37	199.29	199.20		199.06	
31		199.18		199.35	199.61		199.55		199.30	199.21		199.06	
MEAN	199.05	199.32	199.72	199.26	199.50	200.42	199.82	199.43	199.32	199.18	199.14	199.08	
MAX	199.23	200.54	201.26	199.82	200.59	202.92	201.12	199.56	199.42	199.34	199.19	199.16	202.92
MIN	199.01	199.11	199.26	199.15	199.17	199.45	199.52	199.36	199.25	199.15	199.09	199.05	199.01

ANNUAL MAX MOMENTARY GAGE HEIGHT 203.03 M (MSL), AT 18.00 HOURS, ON SEP 25, 1979
ZERO GAGE AT BOTTOM ELEVATION 196.06 M (MSL), RIVER BED 198.75 M (MSL)
LEFT BANK ELEVATION 203.47 M (MSL)
RIGHT BANK ELEVATION 203.39 M (MSL), DRAINAGE AREA 265 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.29	0.49	0.40	0.44	0.62	5.13	0.80	0.49	0.46	0.29	0.19	
2	0.15	0.26	1.26	0.39	0.39	1.26	3.61	0.82	0.52	0.44	0.29	0.19	
3	0.15	0.26	0.94	0.40	0.35	2.07	2.77	0.80	0.55	0.32	0.29	0.18	
4	0.14	0.26	0.59	0.40	0.32	1.30	2.35	0.82	0.56	0.30	0.28	0.17	
5	0.14	0.25	0.51	0.38	0.30	2.59	1.98	0.76	0.58	0.29	0.28	0.17	
6	0.13	0.24	0.40	0.36	0.28	1.98	1.72	0.68	0.53	0.29	0.27	0.17	
7	0.13	0.23	0.36	0.40	0.28	1.44	1.62	0.68	0.51	0.26	0.27	0.17	
8	0.13	0.21	0.37	0.36	0.27	6.25	1.48	0.67	0.51	0.28	0.26	0.17	
9	0.12	0.21	0.36	0.35	0.35	4.21	1.34	0.62	0.47	0.27	0.25	0.17	
10	0.12	0.22	0.56	0.34	2.37	1.85	1.26	0.56	0.43	0.25	0.25	0.16	
11	0.12	0.26	0.44	0.35	3.37	1.24	1.22	0.56	0.39	0.25	0.24	0.16	
12	0.11	0.29	0.74	0.33	3.07	0.98	1.18	0.52	0.49	0.26	0.24	0.15	
13	0.12	0.39	4.31	0.32	1.87	1.52	1.18	0.56	0.40	0.27	0.22	0.16	
14	0.17	0.33	5.69	0.31	1.28	1.32	1.14	0.59	0.39	0.27	0.21	0.16	
15	0.17	0.28	5.61	0.30	0.94	1.04	1.10	0.58	0.39	0.28	0.20	0.17	
16	0.17	0.26	2.59	0.28	0.80	0.90	1.10	0.62	0.40	0.29	0.20	0.26	
17	0.16	0.25	1.62	0.28	0.80	1.08	1.16	0.62	0.42	0.28	0.20	0.24	
18	0.15	0.24	3.34	0.29	0.70	0.74	1.18	0.56	0.39	0.27	0.20	0.21	
19	0.15	0.25	3.10	0.28	0.62	0.70	1.18	0.52	0.37	0.27	0.19	0.20	
20	0.15	0.27	1.36	0.31	0.58	0.92	1.16	0.51	0.35	0.27	0.19	0.20	
21	0.13	3.22	1.02	0.25	0.56	1.06	1.00	0.53	0.37	0.26	0.19	0.19	
22	0.13	2.53	0.94	0.32	0.52	0.84	0.90	0.53	0.39	0.26	0.23	0.19	
23	0.13	1.50	0.74	0.34	0.47	1.02	0.84	0.53	0.39	0.26	0.29	0.18	
24	0.13	1.22	0.61	0.30	0.46	3.88	0.78	0.55	0.39	0.27	0.28	0.19	
25	0.12	0.74	0.53	0.29	0.47	13.10	0.76	0.55	0.40	0.27	0.26	0.18	
26	0.12	0.52	0.49	0.27	0.46	17.92	0.74	0.51	0.39	0.26	0.26	0.17	
27	0.12	0.43	0.46	0.29	0.46	16.90	0.74	0.51	0.39	0.25	0.22	0.17	
28	0.12	0.38	0.44	0.61	0.43	14.01	0.76	0.49	0.40	0.25	0.21	0.16	
29	0.25	0.37	0.42	1.34	0.47	8.90	0.86	0.49	0.39	0.28	0.20	0.16	
30	0.33	0.31	0.40	0.53	0.59	7.50	0.82	0.51	0.39	0.30		0.16	
31		0.28		0.47	0.92		0.80		0.40	0.31		0.16	
TOTAL	4.42	16.75	40.69	11.84	25.19	119.14	43.86	18.05	13.44	8.84	6.96	5.56	314.74 CMSDAY
MEAN	0.15	0.54	1.36	0.38	0.81	3.97	1.41	0.60	0.43	0.29	0.24	0.18	0.86 CMS
MAX	0.33	3.22	5.69	1.34	3.37	17.92	5.13	0.82	0.58	0.46	0.29	0.26	17.92 CMS
MIN	0.11	0.21	0.36	0.25	0.27	0.62	0.74	0.49	0.35	0.25	0.19	0.15	0.11 CMS
RUNOFF	0.382	1.447	3.516	1.023	2.176	10.294	3.789	1.560	1.161	0.764	0.601	0.480	27.193 MCM

MOMENTARY PEAK 19.74 CMS, AT 203.03 M (MSL), AT 18.00 HOURS, ON SEP 25, 1979

RUNOFF YIELD 3.25 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 74.49 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

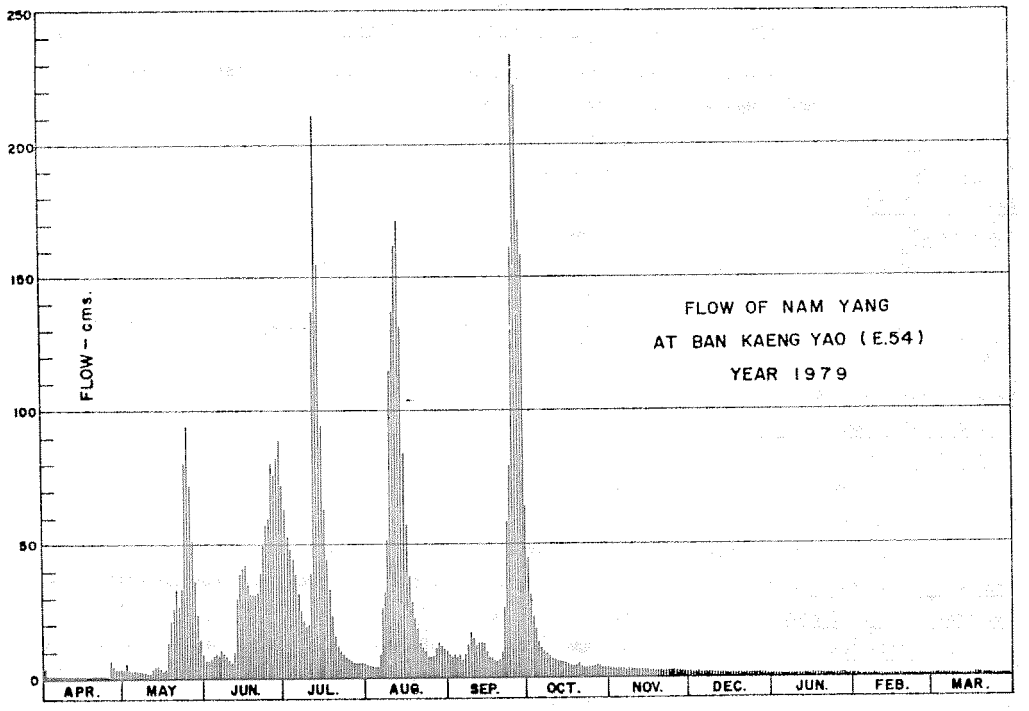
NAM YANG AT BAN KAENG YAO, KALASIN (E.54)

LOCATION	LAT. 16°-26'-29" N., LONG. 104°-02'-07" E., ON LEFT BANK AT BAN KAENG YAO ABOUT 2 KILOMETERS DOWNSTREAM FROM PROPOSED OF USBR DAMSITE, AMPHOE KUCHINARAI, KALASIN.
DRAINAGE AREA	847 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.=H.S.
LOCATION	ABOUT 40 METERS FROM THE GAGE LINE.
ELEVATION	+9.425 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969-1977
RATED BY FLOAT	-
RATED BY CURRENT METER	1969-1977
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 170 DISCHARGE MEASUREMENTS MADE IN 1977.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.40	1.36	1.65	3.94	1.44	1.79	3.33	1.34	1.20	1.09	1.07	1.04	
2	1.00	1.51	1.61	3.65	1.42	1.69	2.85	1.34	1.19	1.12	1.06	1.04	
3	1.01	1.37	1.66	3.47	1.43	1.79	2.48	1.36	1.18	1.12	1.06	1.05	
4	1.01	1.31	1.78	3.34	1.40	1.70	2.27	1.39	1.20	1.11	1.05	1.04	
5	1.02	1.32	1.80	3.16	1.40	1.73	2.05	1.37	1.19	1.10	1.05	1.03	
6	1.02	1.27	1.76	2.88	1.79	1.62	1.92	1.35	1.18	1.08	1.05	1.02	
7	0.99	1.26	1.87	2.61	2.68	1.79	1.83	1.32	1.20	1.08	1.04	1.03	
8	0.98	1.26	1.80	2.43	2.91	2.00	1.75	1.35	1.17	1.11	1.07	1.02	
9	0.97	1.21	1.69	2.35	3.56	2.25	1.70	1.33	1.16	1.10	1.06	1.02	
10	0.96	1.20	1.60	2.37	5.36	2.12	1.66	1.32	1.17	1.08	1.05	1.03	
11	0.97	1.16	1.57	3.15	5.86	1.96	1.64	1.33	1.16	1.08	1.05	1.02	
12	0.98	1.36	1.86	5.86	6.40	2.05	1.60	1.33	1.15	1.10	1.05	1.03	
13	0.99	1.44	2.80	7.24	6.57	2.03	1.57	1.32	1.16	1.13	1.05	1.03	
14	1.00	1.47	3.15	6.25	5.74	2.03	1.56	1.30	1.15	1.11	1.05	1.02	
15	0.99	1.39	3.23	4.82	4.56	1.83	1.55	1.32	1.14	1.06	1.04	1.03	
16	0.98	1.30	3.28	3.95	3.75	1.71	1.50	1.31	1.14	1.11	1.05	1.05	
17	1.02	1.38	3.02	3.35	3.14	1.70	1.46	1.31	1.13	1.09	1.07	1.07	
18	1.03	2.02	2.85	2.94	2.73	1.62	1.44	1.29	1.14	1.09	1.05	1.06	
19	1.01	2.45	2.85	2.53	2.47	1.57	1.47	1.26	1.15	1.10	1.04	1.05	
20	1.02	2.65	2.85	2.20	2.27	1.65	1.53	1.26	1.13	1.09	1.04	1.03	
21	1.02	2.91	2.91	1.99	2.05	1.86	1.45	1.27	1.15	1.08	1.03	1.04	
22	1.02	2.69	3.17	1.85	1.91	2.65	1.41	1.25	1.14	1.07	1.03	1.04	
23	1.00	2.94	3.55	1.76	1.81	3.79	1.41	1.23	1.12	1.11	1.06	1.06	
24	1.04	4.43	3.75	1.71	1.70	4.40	1.38	1.26	1.11	1.09	1.05	1.04	
25	1.04	4.82	3.86	1.65	1.71	6.39	1.42	1.24	1.13	1.08	1.04	1.03	
26	1.61	4.20	4.43	1.60	1.74	7.56	1.42	1.25	1.13	1.08	1.05	1.02	
27	1.42	3.57	4.33	1.55	1.90	7.40	1.43	1.24	1.12	1.08	1.05	1.02	
28	1.34	3.05	4.50	1.51	2.02	6.58	1.44	1.22	1.15	1.07	1.05	1.02	
29	1.35	2.50	4.68	1.52	1.99	5.19	1.38	1.21	1.14	1.06	1.02	1.02	
30	1.39	2.07	4.22	1.56	1.95	3.97	1.36	1.20	1.11	1.08		1.01	
31		1.77		1.55	1.87		1.35		1.09	1.07		1.01	
MEAN	1.09	2.09	2.80	2.93	2.82	2.88	1.70	1.30	1.15	1.09	1.05	1.03	
MAX	1.61	4.82	4.68	7.24	6.57	7.56	3.33	1.39	1.20	1.13	1.07	1.07	7.56
MIN	0.96	1.16	1.57	1.51	1.40	1.57	1.35	1.20	1.09	1.06	1.02	1.01	0.96

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.60 M (A.D.), AT 15.00 HOURS, ON SEP 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.52 M (A.D.)
LEFT BANK ELEVATION 8.22 M (A.D.)
RIGHT BANK ELEVATION 8.17 M (A.D.), DRAINAGE AREA 847 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.80	3.40	6.90	62.96	4.28	8.86	43.90	3.20	2.00	1.14	1.02	0.84	
2	0.60	5.12	6.34	53.50	4.04	7.46	30.70	3.20	1.92	1.36	0.96	0.84	
3	0.66	3.50	7.04	48.10	4.16	8.86	22.16	3.40	1.84	1.36	0.96	0.90	
4	0.66	2.90	8.72	44.20	3.80	7.60	17.60	3.70	2.00	1.28	0.90	0.84	
5	0.72	3.00	9.00	38.88	3.80	8.02	13.30	3.50	1.92	1.20	0.90	0.78	
6	0.72	2.56	8.44	31.48	8.86	6.48	10.96	3.30	1.84	1.08	0.90	0.72	
7	0.56	2.48	10.12	25.02	26.56	8.86	9.48	3.00	2.00	1.08	0.84	0.78	
8	0.52	2.48	9.00	21.06	32.26	12.40	8.30	3.30	1.76	1.28	1.02	0.72	
9	0.48	2.08	7.46	19.30	50.80	17.20	7.60	3.10	1.68	1.20	0.96	0.72	
10	0.44	2.00	6.20	19.74	115.40	14.60	7.04	3.00	1.76	1.08	0.90	0.78	
11	0.48	1.68	5.84	38.60	136.96	11.68	6.76	3.10	1.68	1.08	0.90	0.72	
12	0.52	3.40	9.96	136.96	162.00	13.30	6.20	3.10	1.60	1.20	0.90	0.78	
13	0.56	4.28	29.40	211.04	170.98	12.94	5.84	3.00	1.68	1.44	0.90	0.78	
14	0.60	4.64	38.60	154.90	131.56	12.94	5.72	2.80	1.60	1.28	0.90	0.72	
15	0.56	3.70	40.90	94.36	84.48	9.48	5.60	3.00	1.52	0.96	0.84	0.78	
16	0.52	2.80	42.40	63.30	56.60	7.74	5.00	2.90	1.52	1.28	0.90	0.90	
17	0.72	3.60	35.12	44.50	38.32	7.60	4.52	2.90	1.44	1.14	1.02	1.02	
18	0.78	12.76	30.70	33.04	27.72	6.48	4.28	2.72	1.52	1.14	0.90	0.96	
19	0.66	21.50	30.70	23.26	21.94	5.84	4.64	2.48	1.60	1.20	0.84	0.90	
20	0.72	25.90	30.70	16.20	17.60	6.90	5.36	2.48	1.44	1.14	0.84	0.78	
21	0.72	32.26	32.26	12.22	13.30	9.96	4.40	2.56	1.60	1.08	0.78	0.84	
22	0.72	26.78	39.16	9.80	10.78	25.90	3.92	2.40	1.52	1.02	0.78	0.84	
23	0.60	33.04	50.50	8.44	9.16	57.88	3.92	2.24	1.36	1.28	0.96	0.96	
24	0.84	79.68	56.60	7.74	7.60	78.60	3.60	2.48	1.28	1.14	0.90	0.84	
25	0.84	94.36	60.24	6.90	7.74	161.52	4.04	2.32	1.44	1.08	0.84	0.78	
26	6.34	71.80	79.68	6.20	8.16	233.52	4.04	2.40	1.44	1.08	0.90	0.72	
27	4.04	51.10	76.22	5.60	10.60	222.00	4.16	2.32	1.36	1.08	0.90	0.72	
28	3.20	35.90	82.20	5.12	12.76	171.52	4.28	2.16	1.60	1.02	0.90	0.72	
29	3.30	22.60	89.04	5.24	12.22	108.60	3.60	2.08	1.52	0.96	0.72	0.72	
30	3.70	13.66	72.48	5.72	11.50	63.98	3.40	2.00	1.28	1.08		0.66	
31		8.58		5.60	10.12		3.30		1.14	1.02		0.66	
TOTAL	39.58	583.54	1011.92	1258.98	1216.06	1328.72	267.62	84.14	49.86	35.76	25.98	24.72	5926.87 CMSDAY
MEAN	1.32	18.82	33.73	40.61	39.23	44.29	8.63	2.80	1.61	1.15	0.90	0.80	16.19 CMS
MAX	6.34	94.36	89.04	211.04	170.98	233.52	43.90	3.70	2.00	1.44	1.02	1.02	233.52 CMS
MIN	0.44	1.68	5.84	5.12	3.80	5.84	3.30	2.00	1.14	0.96	0.72	0.66	0.44 CMS
RUNOFF	3.420	50.418	87.430	108.776	105.067	114.801	23.122	7.270	4.308	3.090	2.245	2.136	512.082 MCM

MOMENTARY PEAK 236.40 CMS, AT 7.60 M (A.D), AT 15.00 HOURS, ON SEP 26, 1979
RUNOFF YIELD 19.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 279.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

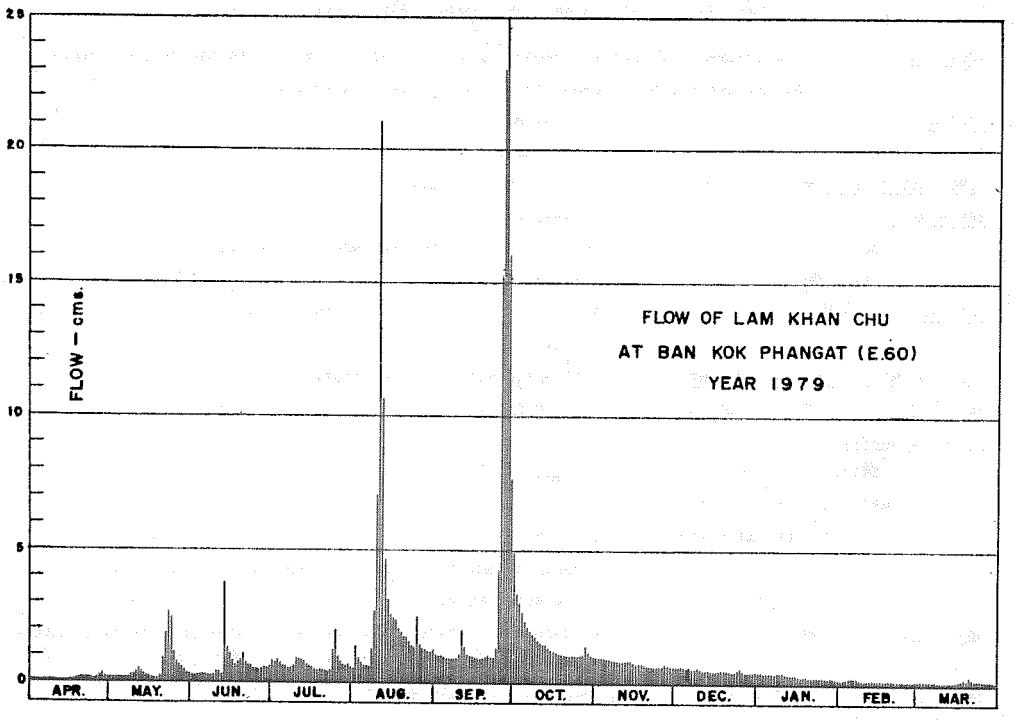
LAM KHAN CHU AT BAN KOK PHANGAT, CHAIYAPHUM (E.60)

LOCATION	LAT. 15°-29'-14" N., LONG. 101°-33'-32" E., ON LEFT BANK ABOUT 500 METERS FROM BAN KOK PHANGAT, AMPHOE BAMNET NARONG, CHAIYAPHUM.
DRAINAGE AREA	205 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 8 METERS FROM THE TOP STAFF GAGE.
ELEVATION	+7.326 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 244 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.57	0.64	0.96	0.80	1.09	2.12	1.01	0.86	0.73	0.60	0.54	
2	0.44	0.57	0.65	0.92	1.24	1.07	1.85	1.04	0.85	0.73	0.59	0.53	
3	0.44	0.56	0.66	0.96	0.96	1.04	1.72	1.03	0.85	0.72	0.62	0.51	
4	0.44	0.55	0.66	0.91	0.88	1.03	1.63	1.01	0.85	0.72	0.63	0.51	
5	0.48	0.55	0.65	0.85	0.85	1.02	1.53	1.01	0.81	0.73	0.62	0.51	
6	0.44	0.52	0.63	0.83	0.85	1.00	1.46	1.01	0.83	0.72	0.65	0.50	
7	0.45	0.52	0.62	0.79	0.84	0.99	1.42	0.99	0.81	0.71	0.63	0.49	
8	0.43	0.52	0.63	0.79	1.15	0.99	1.37	0.98	0.81	0.73	0.57	0.49	
9	0.42	0.62	0.63	0.83	1.60	0.99	1.35	0.96	0.84	0.73	0.59	0.49	
10	0.41	1.16	0.73	0.99	2.66	1.13	1.31	0.95	0.80	0.75	0.57	0.48	
11	0.42	0.74	0.73	0.99	4.38	1.42	1.27	0.94	0.79	0.71	0.59	0.47	
12	0.42	0.76	0.66	0.95	2.43	1.21	1.25	0.95	0.80	0.68	0.56	0.48	
13	0.41	0.67	1.91	0.93	1.96	1.06	1.23	0.97	0.78	0.68	0.55	0.49	
14	0.43	0.70	1.20	0.86	1.76	1.05	1.20	0.93	0.78	0.68	0.55	0.46	
15	0.44	0.62	1.03	0.83	1.60	1.04	1.18	0.93	0.77	0.67	0.58	0.46	
16	0.43	0.57	0.92	0.80	1.54	1.02	1.16	0.91	0.77	0.65	0.56	0.50	
17	0.47	0.55	0.87	0.77	1.52	1.02	1.13	0.91	0.78	0.66	0.55	0.54	
18	0.51	0.50	0.92	0.77	1.42	0.98	1.11	0.91	0.78	0.66	0.55	0.61	
19	0.58	0.55	0.96	0.78	1.39	1.00	1.10	0.87	0.78	0.65	0.55	0.56	
20	0.56	0.63	1.10	0.76	1.33	1.03	1.07	0.87	0.77	0.63	0.55	0.66	
21	0.55	1.14	0.90	0.74	1.34	1.07	1.08	0.86	0.75	0.63	0.53	0.63	
22	0.54	1.36	0.84	0.72	1.28	1.04	1.07	0.86	0.75	0.63	0.54	0.59	
23	0.53	1.60	0.83	0.73	1.22	0.99	1.07	0.86	0.75	0.65	0.57	0.56	
24	0.51	1.55	0.79	1.09	1.19	1.20	1.07	0.85	0.79	0.64	0.55	0.56	
25	0.49	1.19	0.77	1.41	1.57	1.29	1.07	0.86	0.80	0.64	0.53	0.57	
26	0.53	0.94	0.76	1.01	1.24	3.34	1.07	0.87	0.77	0.63	0.53	0.55	
27	0.60	0.85	0.79	0.91	1.19	4.45	1.08	0.89	0.74	0.63	0.57	0.54	
28	0.69	0.79	0.84	0.87	1.17	4.79	1.22	0.86	0.73	0.65	0.55	0.57	
29	0.62	0.73	0.81	0.86	1.16	3.36	1.11	0.86	0.72	0.65	0.55	0.54	
30	0.58	0.69	0.86	0.89	1.13	2.67	1.06	0.86	0.73	0.61		0.53	
31		0.67		0.83	1.19		1.04		0.73	0.60		0.51	
MEAN	0.49	0.77	0.83	0.88	1.45	1.51	1.27	0.93	0.79	0.67	0.57	0.53	
MAX	0.69	1.60	1.91	1.41	4.38	4.79	2.12	1.04	0.86	0.75	0.65	0.66	4.79
MIN	0.41	0.50	0.62	0.72	0.80	0.98	1.04	0.85	0.72	0.60	0.53	0.46	0.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.13 M (A.D.), AT 4.00 HOURS, ON SEP 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED M (A.D.)
LEFT BANK ELEVATION M (A.D.)
RIGHT BANK ELEVATION M (A.D.), DRAINAGE AREA 205 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.17	0.27	0.86	0.56	1.11	4.69	0.96	0.67	0.43	0.20	0.14	
2	0.04	0.17	0.29	0.79	1.48	1.07	3.56	1.02	0.65	0.43	0.19	0.13	
3	0.04	0.16	0.30	0.86	0.86	1.02	3.07	1.00	0.65	0.41	0.23	0.11	
4	0.04	0.15	0.30	0.77	0.71	1.00	2.75	0.96	0.65	0.41	0.25	0.11	
5	0.08	0.15	0.29	0.65	0.65	0.98	2.41	0.96	0.58	0.43	0.23	0.11	
6	0.04	0.12	0.25	0.62	0.65	0.94	2.17	0.96	0.62	0.41	0.29	0.10	
7	0.05	0.12	0.23	0.54	0.64	0.92	2.04	0.92	0.58	0.39	0.25	0.09	
8	0.03	0.12	0.25	0.54	1.25	0.92	1.87	0.90	0.58	0.43	0.17	0.09	
9	0.02	0.23	0.25	0.62	2.65	0.92	1.80	0.86	0.64	0.43	0.19	0.09	
10	0.01	1.28	0.43	0.92	7.37	1.20	1.66	0.84	0.56	0.47	0.17	0.08	
11	0.02	0.45	0.43	0.92	20.94	2.04	1.55	0.83	0.54	0.39	0.19	0.07	
12	0.02	0.48	0.30	0.84	6.19	1.40	1.50	0.84	0.56	0.34	0.16	0.08	
13	0.01	0.32	3.79	0.81	4.00	1.05	1.45	0.88	0.52	0.34	0.15	0.09	
14	0.03	0.37	1.38	0.67	3.22	1.03	1.38	0.81	0.52	0.34	0.15	0.06	
15	0.04	0.23	1.00	0.62	2.65	1.02	1.33	0.81	0.50	0.32	0.18	0.06	
16	0.03	0.17	0.79	0.56	2.45	0.98	1.28	0.77	0.50	0.29	0.16	0.10	
17	0.07	0.15	0.69	0.50	2.38	0.98	1.20	0.77	0.52	0.30	0.15	0.14	
18	0.11	0.10	0.79	0.50	2.04	0.90	1.15	0.77	0.52	0.30	0.15	0.22	
19	0.18	0.15	0.86	0.52	1.94	0.94	1.13	0.69	0.52	0.29	0.15	0.16	
20	0.16	0.25	1.13	0.48	1.73	1.00	1.07	0.69	0.50	0.25	0.15	0.30	
21	0.15	1.23	0.75	0.45	1.77	1.07	1.09	0.67	0.47	0.25	0.13	0.25	
22	0.14	1.83	0.64	0.41	1.58	1.02	1.07	0.67	0.47	0.25	0.14	0.19	
23	0.13	2.65	0.62	0.43	1.43	0.92	1.07	0.67	0.47	0.29	0.17	0.16	
24	0.11	2.48	0.54	1.11	1.35	1.38	1.07	0.65	0.54	0.27	0.15	0.16	
25	0.09	1.35	0.50	2.00	2.55	1.60	1.07	0.67	0.56	0.27	0.13	0.17	
26	0.13	0.83	0.48	0.96	1.48	11.56	1.07	0.69	0.50	0.25	0.13	0.15	
27	0.20	0.65	0.54	0.77	1.35	21.78	1.09	0.73	0.45	0.25	0.17	0.14	
28	0.35	0.54	0.64	0.69	1.30	26.60	1.43	0.67	0.43	0.29	0.15	0.17	
29	0.23	0.43	0.58	0.67	1.28	11.69	1.15	0.67	0.41	0.29	0.15	0.14	
30	0.18	0.35	0.67	0.73	1.20	7.43	1.05	0.67	0.43	0.22		0.13	
31		0.32		0.62	1.35		1.02		0.43	0.20		0.11	
TOTAL	2.80	18.00	19.98	22.43	81.00	106.47	51.24	24.00	16.54	10.23	5.08	4.10	361.87 CMSDAY
MEAN	0.09	0.58	0.67	0.72	2.61	3.55	1.65	0.80	0.53	0.33	0.18	0.13	0.99 CMS
MAX	0.35	2.65	3.79	2.00	20.94	26.60	4.69	1.02	0.67	0.47	0.29	0.30	26.60 CMS
MIN	0.01	0.10	0.23	0.41	0.56	0.90	1.02	0.65	0.41	0.20	0.13	0.06	0.01 CMS
RUNOFF	0.242	1.555	1.726	1.938	6.998	9.199	4.427	2.074	1.429	0.884	0.439	0.354	31.266 MCM

MOMENTARY PEAK 32.84 CMS, AT 5.13 M (A.D), AT 4.00 HOURS, ON SEP 28, 1979
RUNOFF YIELD 4.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 160.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

CHI RIVER BASIN

LAM PHANIANG AT BAN NA KLANG, UDON THANI (E.64)

LOCATION — LAT. 17°19'16" N., LONG. 102°05'29" E., ON RIGHT BANK AT THE BRIDGE OF UDON THANI-LOEI HIGHWAY, BAN NA KLANG, AMPHOE NA KLANG, UDON THANI.

DRAINAGE AREA — 358 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +254.473 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

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

ELEVATION — +261.680 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

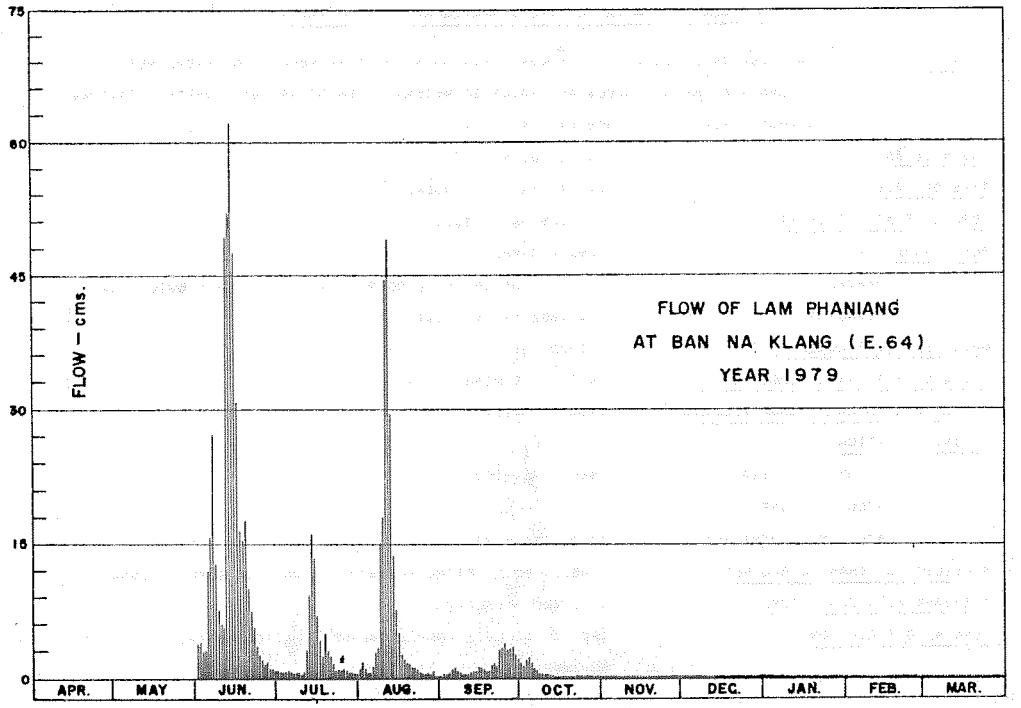
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 39 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — GAGE HEIGHT RECORDS DURING APR 1-MAY 31,1979 ARE POOR.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	257.54	256.88	256.91	256.65	257.10	256.56	256.57	256.54	256.50	256.48	
2	*******	*******	257.61	256.84	257.16	256.73	257.23	256.56	256.58	256.54	256.50	256.48	
3	*******	*******	257.42	256.82	257.11	256.79	257.34	256.54	256.58	256.56	256.54	256.48	
4	*******	*******	257.43	256.84	256.79	256.83	257.38	256.52	256.58	256.58	256.52	256.47	
5	*******	*******	258.21	256.85	256.79	256.94	257.20	256.52	256.57	256.59	256.50	256.47	
6	*******	*******	258.46	256.78	256.91	256.98	256.92	256.52	256.56	256.58	256.54	256.47	
7	*******	*******	258.83	256.76	257.38	256.89	256.86	256.52	256.56	256.57	256.49	256.47	
8	*******	*******	258.32	256.76	257.48	256.86	256.82	256.50	256.55	256.56	256.50	256.47	
9	*******	*******	257.99	256.75	258.43	256.78	256.74	256.49	256.54	256.55	256.50	256.48	
10	*******	*******	257.82	256.72	258.56	256.76	256.73	256.48	256.56	256.56	256.49	256.48	
11	*******	*******	257.80	256.73	259.20	256.77	256.74	256.48	256.56	256.54	256.48	256.47	
12	*******	*******	259.27	257.43	259.27	256.83	256.71	256.49	256.53	256.54	256.49	256.48	
13	*******	*******	259.30	258.07	258.89	256.85	256.59	256.50	256.54	256.54	256.49	256.48	
14	*******	*******	259.39	258.48	258.37	256.91	256.57	256.55	256.55	256.53	256.49	256.48	
15	*******	*******	259.25	258.35	257.98	257.06	256.59	256.65	256.54	256.50	256.49	256.48	
16	*******	*******	258.96	257.92	257.70	257.04	256.59	256.57	256.54	256.50	256.49	256.50	
17	*******	*******	258.49	257.57	257.47	257.00	256.56	256.54	256.54	256.50	256.49	256.49	
18	*******	*******	258.44	257.34	257.31	256.93	256.58	256.54	256.54	256.52	256.49	256.49	
19	*******	*******	258.55	257.58	257.18	256.90	256.57	256.52	256.54	256.52	256.49	256.48	
20	*******	*******	258.12	257.43	257.17	257.05	256.55	256.59	256.57	256.50	256.48	256.48	
21	*******	*******	257.98	257.29	257.04	257.17	256.53	256.65	256.54	256.52	256.47	256.49	
22	*******	*******	257.79	257.15	257.04	257.06	256.54	256.62	256.56	256.54	256.46	256.49	
23	*******	*******	257.54	256.93	256.95	257.44	256.55	256.61	256.55	256.55	256.46	256.50	
24	*******	*******	257.35	256.97	256.82	257.48	256.57	256.61	256.54	256.52	256.47	256.50	
25	*******	*******	257.28	256.90	256.78	257.55	256.54	256.59	256.55	256.53	256.50	256.50	
26	*******	*******	257.12	256.84	256.77	257.44	256.56	256.65	256.56	256.55	256.49	256.50	
27	*******	*******	257.19	256.90	256.78	257.48	256.58	256.55	256.57	256.55	256.47	256.49	
28	*******	*******	257.02	256.83	256.74	257.38	256.62	256.56	256.56	256.57	256.50	256.48	
29	*******	*******	257.02	256.82	256.91	257.34	256.56	256.56	256.54	256.52	256.48	256.48	
30	*******	*******	256.91	256.75	256.66	257.21	256.56	256.58	256.54	256.50		256.46	
31		*******		256.78	256.65		256.56		256.54	256.50		256.46	
MEAN	*******	*******	258.01	257.13	257.39	257.04	256.73	256.55	256.55	256.54	256.49	256.48	
MAX	*******	*******	259.39	258.48	259.27	257.55	257.38	256.65	256.58	256.59	256.54	256.50	259.39
MIN	*******	*******	256.91	256.72	256.65	256.65	256.53	256.48	256.53	256.50	256.46	256.46	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 259.45 M (MSL), AT 12.00 HOURS, ON JUN 12, 1979
ZERO GAGE AT BOTTOM ELEVATION 254.47 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 358 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	3.76	0.73	0.82	0.18	1.52	0.09	0.10	0.07	0.03	0.01	
2	*******	*******	4.32	0.61	1.76	0.32	2.04	0.09	0.11	0.07	0.03	0.01	
3	*******	*******	2.95	0.55	1.56	0.46	2.55	0.07	0.11	0.09	0.07	0.01	
4	*******	*******	3.00	0.61	0.46	0.58	2.75	0.05	0.11	0.11	0.05	0.00	
5	*******	*******	11.04	0.64	0.46	0.91	1.92	0.05	0.10	0.12	0.03	0.00	
6	*******	*******	15.78	0.43	0.82	1.04	0.85	0.05	0.09	0.11	0.07	0.00	
7	*******	*******	26.24	0.38	2.75	0.76	0.67	0.05	0.09	0.10	0.02	0.00	
8	*******	*******	12.90	0.38	3.28	0.67	0.55	0.03	0.08	0.09	0.03	0.00	
9	*******	*******	7.88	0.36	15.12	0.43	0.34	0.02	0.07	0.08	0.03	0.01	
10	*******	*******	6.00	0.30	17.98	0.38	0.32	0.01	0.09	0.09	0.02	0.01	
11	*******	*******	5.84	0.32	44.16	0.40	0.34	0.01	0.09	0.07	0.01	0.00	
12	*******	*******	49.20	3.00	49.20	0.58	0.28	0.02	0.06	0.07	0.02	0.01	
13	*******	*******	52.14	9.00	28.32	0.64	0.12	0.03	0.07	0.07	0.02	0.01	
14	*******	*******	61.99	16.22	13.80	0.82	0.10	0.08	0.08	0.06	0.02	0.01	
15	*******	*******	47.76	13.44	7.74	1.36	0.12	0.18	0.07	0.03	0.02	0.01	
16	*******	*******	30.84	7.00	5.04	1.28	0.12	0.10	0.07	0.03	0.02	0.03	
17	*******	*******	16.44	4.00	3.20	1.12	0.09	0.07	0.07	0.03	0.02	0.02	
18	*******	*******	15.34	2.55	2.40	0.88	0.11	0.07	0.07	0.05	0.02	0.02	
19	*******	*******	17.76	4.08	1.84	0.79	0.10	0.05	0.07	0.05	0.02	0.01	
20	*******	*******	9.70	3.00	1.80	1.32	0.08	0.12	0.10	0.03	0.01	0.01	
21	*******	*******	7.74	2.30	1.28	1.80	0.06	0.18	0.07	0.05	0.00	0.02	
22	*******	*******	5.76	1.72	1.28	1.36	0.07	0.15	0.09	0.07	0.00	0.02	
23	*******	*******	3.76	0.88	0.94	3.05	0.08	0.14	0.08	0.08	0.00	0.03	
24	*******	*******	2.60	1.00	0.55	3.28	0.10	0.14	0.07	0.05	0.00	0.03	
25	*******	*******	2.25	0.79	0.43	3.84	0.07	0.12	0.08	0.06	0.03	0.03	
26	*******	*******	1.60	0.61	0.43	3.05	0.09	0.18	0.09	0.08	0.02	0.03	
27	*******	*******	1.88	0.79	0.43	3.28	0.11	0.08	0.10	0.08	0.00	0.02	
28	*******	*******	1.20	0.58	0.34	2.75	0.15	0.09	0.09	0.10	0.03	0.01	
29	*******	*******	1.20	0.55	0.82	2.55	0.09	0.09	0.07	0.05	0.01	0.01	
30	*******	*******	0.82	0.36	0.19	1.96	0.09	0.11	0.07	0.03		0.00	
31		*******		0.43	0.18		0.09		0.07	0.03		0.00	
TOTAL	*******	*******	429.69	77.61	209.35	41.84	15.97	2.52	2.58	2.10	0.65	0.38	******** CMSDAY
MEAN	*******	*******	14.32	2.50	6.75	1.39	0.52	0.08	0.08	0.07	0.02	0.01	******* CMS
MAX	*******	*******	61.99	16.22	49.20	3.84	2.75	0.18	0.11	0.12	0.07	0.03	61.99 CMS
MIN	*******	*******	0.82	0.30	0.18	0.18	0.06	0.01	0.06	0.03	0.00	0.00	******* CMS
RUNOFF	*******	*******	37.125	6.705	18.088	3.615	1.380	0.218	0.223	0.181	0.056	0.033	******** MCM

MOMENTARY PEAK 71.00 CMS, AT 259.45 M (MSL), AT 12.00 HOURS, ON JUN 12, 1979

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 198.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

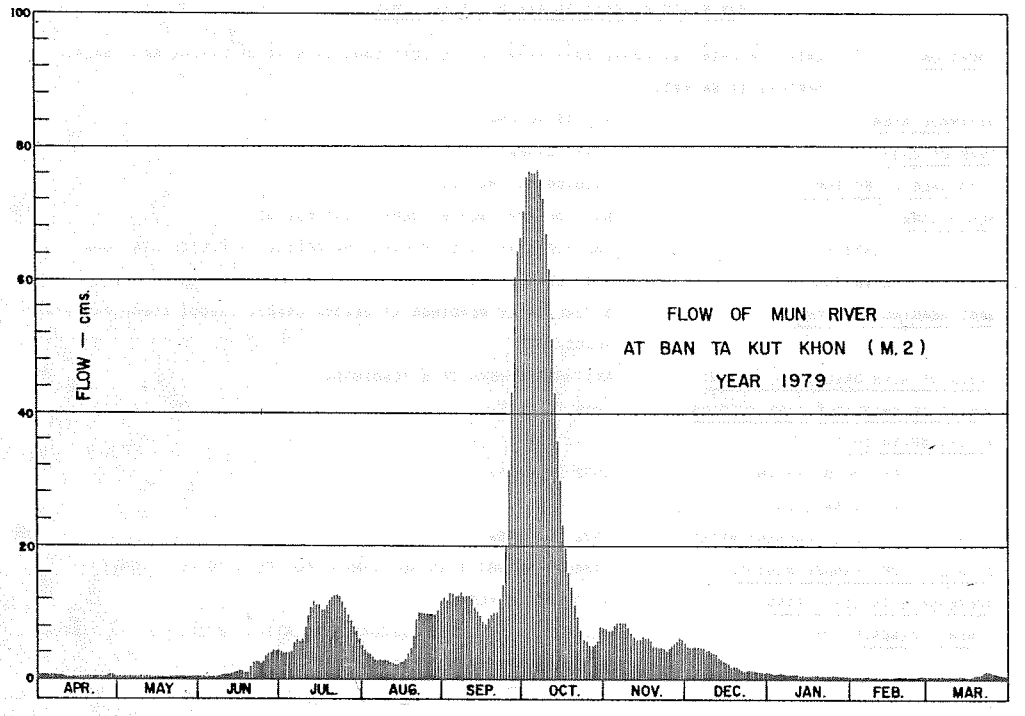
MUN RIVER AT BAN TA KUT KHON, NAKHON RATCHASIMA (M.2)

LOCATION	LAT. 15°-00'-03" N., LONG. 105°-15'-57" E., ON RIGHT BANK ABOUT 100 METERS WEST OF BAN THA CHANG SCHOOL, AND ABOUT 30 METERS SOUTH OF RAILWAY PUMPING STATION, AMPHOE CHAKKARAT, NAKHON RATCHASIMA.
DRAINAGE AREA	4,800 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+157.85 M. (M.S.L.)
BENCH MARK	B.M.-H.S./R.I.D.
LOCATION	AT THE FOOT OF THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+165.802 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1950 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1960, 1969-1971
RATED BY FLOAT	-
RATED BY CURRENT METER	1960, 1969-1971
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 230 DISCHARGE MEASUREMENTS MADE IN 1969.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	159.31	159.24	159.17	160.01	160.08	160.71	163.82	160.33	160.08	159.49	159.20	159.13	
2	159.31	159.23	159.17	160.01	160.04	160.68	163.99	160.31	160.07	159.46	159.18	159.11	
3	159.30	159.21	159.18	159.98	160.01	160.75	164.05	160.32	160.08	159.44	159.18	159.10	
4	159.29	159.21	159.19	159.99	159.97	160.75	164.04	160.39	160.10	159.44	159.19	159.11	
5	159.28	159.19	159.21	160.07	159.91	160.72	164.04	160.42	160.08	159.48	159.18	159.13	
6	159.27	159.18	159.22	160.18	159.90	160.73	164.05	160.43	160.08	159.48	159.18	159.15	
7	159.25	159.18	159.22	160.20	159.90	160.75	164.05	160.43	160.11	159.43	159.19	159.15	
8	159.24	159.21	159.20	160.18	159.89	160.70	163.99	160.40	160.04	159.41	159.19	159.14	
9	159.23	159.23	159.31	160.23	159.90	160.72	163.87	160.35	160.06	159.38	159.18	159.11	
10	159.22	159.23	159.36	160.39	159.88	160.73	163.67	160.28	160.01	159.36	159.17	159.10	
11	159.20	159.25	159.41	160.50	159.84	160.69	163.35	160.22	160.00	159.38	159.12	159.10	
12	159.19	159.25	159.44	160.63	159.81	160.62	162.74	160.19	159.98	159.34	159.09	159.12	
13	159.17	159.25	159.47	160.66	159.81	160.59	162.49	160.19	159.92	159.31	159.08	159.15	
14	159.16	159.22	159.48	160.62	159.81	160.54	162.07	160.21	159.88	159.30	159.09	159.20	
15	159.15	159.22	159.50	160.55	159.85	160.46	161.59	160.24	159.84	159.33	159.08	159.16	
16	159.15	159.22	159.49	160.57	159.86	160.40	161.22	160.21	159.80	159.33	159.07	159.22	
17	159.15	159.22	159.44	160.57	159.89	160.44	161.01	160.22	159.75	159.33	159.07	159.23	
18	159.15	159.21	159.40	160.60	159.99	160.51	160.86	160.13	159.73	159.30	159.07	159.29	
19	159.16	159.18	159.61	160.65	160.10	160.54	160.74	160.10	159.72	159.32	159.08	159.37	
20	159.17	159.12	159.81	160.72	160.30	160.56	160.60	160.11	159.68	159.32	159.19	159.39	
21	159.19	159.15	159.85	160.74	160.45	160.59	160.49	160.08	159.64	159.29	159.15	159.42	
22	159.19	159.16	159.82	160.74	160.55	160.72	160.36	160.06	159.59	159.26	159.18	159.45	
23	159.19	159.19	159.79	160.71	160.56	160.82	160.24	160.06	159.55	159.30	159.17	159.43	
24	159.18	159.21	159.82	160.65	160.56	160.99	160.18	160.07	159.58	159.29	159.13	159.42	
25	159.17	159.20	159.95	160.56	160.55	161.45	160.15	160.09	159.61	159.33	159.09	159.38	
26	159.19	159.19	160.00	160.50	160.54	162.09	160.11	160.15	159.60	159.31	159.11	159.35	
27	159.23	159.19	160.01	160.44	160.53	162.67	160.11	160.19	159.57	159.29	159.11	159.29	
28	159.24	159.18	160.05	160.40	160.51	163.42	160.15	160.22	159.53	159.29	159.11	159.29	
29	159.25	159.17	160.05	160.35	160.54	163.60	160.22	160.20	159.52	159.28	159.12	159.26	
30	159.25	159.17	160.04	160.27	160.62	163.66	160.37	160.12	159.51	159.25		159.21	
31		159.17		160.17	160.70		160.35		159.52	159.22		159.19	
MEAN	159.21	159.20	159.56	160.41	160.16	161.09	161.90	160.22	159.81	159.35	159.14	159.23	
MAX	159.31	159.25	160.05	160.74	160.70	163.66	164.05	160.43	160.11	159.49	159.20	159.45	164.05
MIN	159.15	159.12	159.17	159.98	159.81	160.40	160.11	160.06	159.51	159.22	159.07	159.10	159.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 164.07 M (MSL), AT 6.00 HOURS, ON OCT 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 157.85 M (MSL), RIVER BED 157.56 M (MSL)
LEFT BANK ELEVATION 164.36 M (MSL)
RIGHT BANK ELEVATION 165.73 M (MSL), DRAINAGE AREA 4800 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.38	0.27	3.99	4.62	12.34	70.38	7.36	4.62	0.97	0.30	0.23	
2	0.52	0.36	0.27	3.99	4.26	11.92	74.55	7.12	4.53	0.88	0.28	0.21	
3	0.50	0.32	0.28	3.72	3.99	12.90	76.10	7.24	4.62	0.82	0.28	0.20	
4	0.48	0.32	0.29	3.81	3.63	12.90	75.84	8.08	4.80	0.82	0.29	0.21	
5	0.46	0.29	0.32	4.53	3.09	12.48	75.84	8.44	4.62	0.94	0.28	0.23	
6	0.44	0.28	0.34	5.60	3.00	12.62	76.10	8.56	4.62	0.94	0.28	0.25	
7	0.40	0.28	0.34	5.80	3.00	12.90	76.10	8.56	4.90	0.79	0.29	0.25	
8	0.38	0.32	0.30	5.60	2.94	12.20	74.55	8.20	4.26	0.73	0.29	0.24	
9	0.36	0.36	0.52	6.16	3.00	12.48	71.58	7.60	4.44	0.66	0.28	0.21	
10	0.34	0.36	0.62	8.08	2.88	12.62	66.91	6.76	3.99	0.62	0.27	0.20	
11	0.30	0.40	0.73	9.40	2.64	12.06	59.60	6.04	3.90	0.66	0.22	0.20	
12	0.29	0.40	0.82	11.22	2.46	11.08	47.46	5.70	3.72	0.58	0.19	0.22	
13	0.27	0.40	0.91	11.64	2.46	10.66	42.71	5.70	3.18	0.52	0.18	0.25	
14	0.26	0.34	0.94	11.08	2.46	9.96	34.86	5.92	2.88	0.50	0.19	0.30	
15	0.25	0.34	1.00	10.10	2.70	8.92	26.63	6.28	2.64	0.56	0.18	0.26	
16	0.25	0.34	0.97	10.38	2.76	8.20	20.34	5.92	2.40	0.56	0.17	0.34	
17	0.25	0.34	0.82	10.38	2.94	8.68	16.96	6.04	2.10	0.56	0.17	0.36	
18	0.25	0.32	0.70	10.80	3.81	9.54	14.56	5.10	1.98	0.50	0.17	0.48	
19	0.26	0.28	1.35	11.50	4.80	9.96	12.76	4.80	1.92	0.54	0.18	0.64	
20	0.27	0.22	2.46	12.48	7.00	10.24	10.80	4.90	1.70	0.54	0.29	0.68	
21	0.29	0.25	2.70	12.76	8.80	10.66	9.28	4.62	1.50	0.48	0.25	0.76	
22	0.29	0.26	2.52	12.76	10.10	12.48	7.72	4.44	1.27	0.42	0.28	0.85	
23	0.29	0.29	2.34	12.34	10.24	13.92	6.28	4.44	1.15	0.50	0.27	0.79	
24	0.28	0.32	2.52	11.50	10.24	16.64	5.60	4.53	1.24	0.48	0.23	0.76	
25	0.27	0.30	3.45	10.24	10.10	24.25	5.30	4.71	1.35	0.56	0.19	0.66	
26	0.29	0.29	3.90	9.40	9.96	35.22	4.90	5.30	1.30	0.52	0.21	0.60	
27	0.36	0.29	3.99	8.68	9.82	46.13	4.90	5.70	1.21	0.48	0.21	0.48	
28	0.38	0.28	4.35	8.20	9.54	61.16	5.30	6.04	1.09	0.48	0.21	0.48	
29	0.40	0.27	4.35	7.60	9.96	65.30	6.04	5.80	1.06	0.46	0.22	0.42	
30	0.40	0.27	4.26	6.84	11.08	66.68	7.84	5.00	1.03	0.40		0.32	
31		0.27		5.50	12.20		7.60		1.06	0.34		0.29	
TOTAL	10.30	9.74	48.63	265.88	180.48	577.10	1095.39	184.90	85.08	18.81	6.85	12.37	2495.52 CMSDAY
MEAN	0.34	0.31	1.62	8.58	5.82	19.24	35.34	6.16	2.74	0.61	0.24	0.40	6.82 CMS
MAX	0.52	0.40	4.35	12.76	12.20	66.68	76.10	8.56	4.90	0.97	0.30	0.85	76.10 CMS
MIN	0.25	0.22	0.27	3.72	2.46	8.20	4.90	4.44	1.03	0.34	0.17	0.20	0.17 CMS
RUNOFF	0.890	0.842	4.202	22.972	15.593	49.861	94.641	15.975	7.351	1.625	0.592	1.069	215.613 MCM

MOMENTARY PEAK 76.62 CMS, AT 164.07 M (MSL), AT 6.00 HOURS, ON OCT 7, 1979

RUNOFF YIELD 1.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 15.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

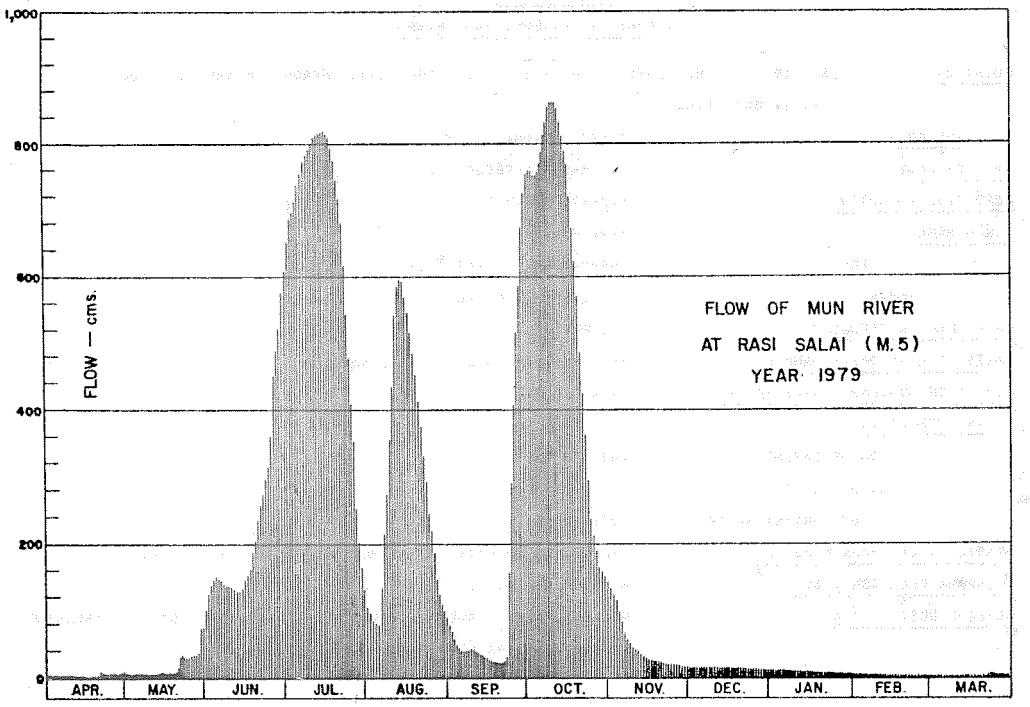
MUN RIVER AT RASI SALAI, SI SA KET (M.5)

LOCATION	LAT. 15°-20'-16" N., LONG. 103°-09'-29" E., ON LEFT BANK INFRONT OF AMPHOE RASI SALAI OFFICE, SI SA KET.
DRAINAGE AREA	44,275 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+110.00 M. (M.S.L.)
BENCH MARK	B.M. OF ARMY SURVEY DEPARTMENT NO.801
LOCATION	EAST OF STAFF GAGE BEHIND THE OFFICE OF POLICE STATION.
ELEVATION	+119.194 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1955 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 35 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	110.20	110.35	111.77	115.68	111.68	111.43	116.36	111.86	110.57	110.43	110.29	110.21	
2	110.19	110.33	111.90	115.88	111.57	111.33	116.38	111.75	110.57	110.43	110.29	110.21	
3	110.18	110.30	112.02	115.98	111.47	111.22	116.35	111.63	110.56	110.43	110.29	110.20	
4	110.18	110.29	112.11	116.10	111.41	111.11	116.33	111.51	110.56	110.41	110.29	110.20	
5	110.18	110.29	112.10	116.20	111.35	111.04	116.34	111.38	110.56	110.40	110.29	110.19	
6	110.17	110.28	112.07	116.27	111.81	110.99	116.43	111.24	110.56	110.40	110.29	110.19	
7	110.17	110.27	112.02	116.36	112.34	110.98	116.60	111.16	110.55	110.40	110.28	110.19	
8	110.16	110.27	111.99	116.45	113.05	111.03	116.77	111.08	110.55	110.40	110.29	110.19	
9	110.16	110.26	111.98	116.51	113.63	111.01	116.89	111.02	110.55	110.39	110.27	110.19	
10	110.16	110.24	111.96	116.57	114.53	111.04	116.94	110.98	110.55	110.39	110.25	110.18	
11	110.19	110.27	111.92	116.62	115.06	110.96	116.95	110.94	110.54	110.38	110.25	110.18	
12	110.19	110.29	111.89	116.66	115.27	110.93	116.92	110.90	110.53	110.37	110.25	110.17	
13	110.18	110.31	111.90	116.67	115.35	110.92	116.85	110.86	110.53	110.37	110.24	110.17	
14	110.18	110.31	111.92	116.69	115.35	110.90	116.74	110.83	110.53	110.36	110.24	110.16	
15	110.17	110.36	111.96	116.70	115.24	110.86	116.62	110.80	110.51	110.36	110.24	110.16	
16	110.19	110.33	112.07	116.70	115.06	110.83	116.44	110.77	110.50	110.36	110.23	110.16	
17	110.18	110.33	112.16	116.65	114.89	110.81	116.20	110.75	110.50	110.36	110.22	110.18	
18	110.18	110.34	112.28	116.59	114.72	110.79	115.94	110.72	110.49	110.35	110.21	110.18	
19	110.18	110.35	112.51	116.50	114.52	110.75	115.55	110.70	110.48	110.34	110.21	110.18	
20	110.18	110.39	112.70	116.37	114.26	110.76	115.15	110.69	110.48	110.33	110.21	110.20	
21	110.31	110.50	112.97	116.14	114.01	110.76	114.68	110.67	110.47	110.33	110.22	110.20	
22	110.43	110.87	113.13	115.90	113.72	110.80	114.18	110.66	110.46	110.33	110.22	110.20	
23	110.34	110.90	113.24	115.58	113.41	110.91	113.66	110.65	110.46	110.33	110.23	110.31	
24	110.33	110.82	113.41	115.14	113.11	111.58	113.18	110.63	110.45	110.33	110.22	110.28	
25	110.31	110.85	113.78	114.65	112.79	113.39	112.81	110.62	110.44	110.33	110.22	110.28	
26	110.30	110.89	114.14	114.09	112.47	114.39	112.56	110.61	110.44	110.32	110.20	110.27	
27	110.29	110.89	114.63	113.51	112.19	115.10	112.38	110.61	110.43	110.31	110.21	110.25	
28	110.27	110.89	114.90	112.85	111.96	115.66	112.22	110.60	110.43	110.29	110.21	110.24	
29	110.31	111.02	115.20	112.44	111.79	116.07	112.12	110.59	110.43	110.31	110.21	110.23	
30	110.36	111.35	115.45	112.24	111.64	116.26	112.03	110.58	110.43	110.29		110.22	
31		111.36		111.86	111.53		111.96		110.43	110.29		110.20	
MEAN	110.23	110.53	112.74	115.57	113.26	111.82	115.18	110.93	110.50	110.36	110.24	110.21	
MAX	110.43	111.36	115.45	116.70	115.35	116.26	116.95	111.86	110.57	110.43	110.29	110.31	116.95
MIN	110.16	110.24	111.77	111.86	111.35	110.75	111.96	110.58	110.43	110.29	110.20	110.16	110.16

ANNUAL MAX MOMENTARY GAGE HEIGHT 116.95 M (MSL), AT 12.00 HOURS, ON OCT 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 110.00 M (MSL), RIVER BED 115.41 M (MSL)
LEFT BANK ELEVATION 121.89 M (MSL)
RIGHT BANK ELEVATION 121.95 M (MSL), DRAINAGE AREA 44275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.0	8.0	117.0	645.8	108.0	83.0	756.2	126.0	16.8	11.2	5.7	3.3	
2	2.8	7.2	130.0	677.8	97.0	73.0	759.6	115.0	16.8	11.2	5.7	3.3	
3	2.7	6.0	142.2	693.8	87.0	62.0	754.5	103.0	16.4	11.2	5.7	3.0	
4	2.7	5.7	152.1	713.0	81.0	51.0	751.1	91.0	16.4	10.4	5.7	3.0	
5	2.7	5.7	151.0	729.0	75.0	45.2	752.8	78.0	15.4	10.0	5.7	2.8	
6	2.6	5.4	147.7	740.9	121.0	41.2	768.4	64.0	16.4	10.0	5.7	2.8	
7	2.6	5.1	142.2	756.2	177.8	43.4	799.0	56.0	16.0	10.0	5.4	2.8	
8	2.4	5.1	139.0	772.0	265.5	44.4	829.6	48.4	16.0	10.0	5.7	2.8	
9	2.4	4.8	138.0	782.8	342.2	42.8	851.2	43.6	16.0	9.6	5.1	2.8	
10	2.4	4.2	136.0	793.6	468.2	45.2	860.2	40.4	16.0	9.6	4.5	2.7	
11	2.8	5.1	132.0	802.6	546.6	38.8	862.0	37.2	15.6	9.2	4.5	2.7	
12	2.8	5.7	129.0	809.8	580.2	36.4	856.6	34.0	15.2	8.8	4.5	2.6	
13	2.7	6.4	130.0	811.6	593.0	35.6	844.0	31.2	15.2	8.8	4.2	2.6	
14	2.7	6.4	132.0	815.2	593.0	34.0	824.2	29.1	15.2	8.4	4.2	2.4	
15	2.6	8.4	136.0	817.0	575.4	31.2	802.6	27.0	14.4	8.4	4.2	2.4	
16	2.8	7.2	147.7	817.0	546.6	29.1	770.2	25.5	14.0	8.4	3.9	2.4	
17	2.7	7.2	157.6	808.0	519.5	27.7	729.0	24.5	14.0	8.4	3.6	2.7	
18	2.7	7.6	170.8	797.2	494.8	26.5	687.4	23.0	13.6	8.0	3.3	2.7	
19	2.7	8.0	198.2	781.0	466.8	24.5	625.0	22.0	13.2	7.6	3.3	2.7	
20	2.7	9.6	221.0	757.9	430.4	25.0	561.0	21.6	13.2	7.2	3.3	3.0	
21	6.4	14.0	255.1	719.4	395.4	25.0	489.2	20.8	12.8	7.2	3.6	3.0	
22	11.2	31.9	275.9	681.0	354.8	27.0	419.2	20.4	12.4	7.2	3.6	3.0	
23	7.6	34.0	290.2	629.8	312.3	34.8	346.4	20.0	12.4	7.2	3.9	6.4	
24	7.2	28.4	312.3	559.4	273.3	98.0	282.4	19.2	12.0	7.2	3.6	5.4	
25	6.4	30.5	363.2	485.0	231.8	309.7	234.3	18.8	11.6	7.2	3.6	5.4	
26	6.0	33.3	413.6	406.6	193.4	448.6	204.2	18.4	11.6	6.8	3.0	5.1	
27	5.7	33.3	482.2	325.4	160.9	553.0	182.6	18.4	11.2	6.4	3.3	4.5	
28	5.1	33.3	521.0	239.5	136.0	642.6	164.2	18.0	11.2	5.7	3.3	4.2	
29	5.4	43.6	569.0	189.8	119.0	708.2	153.2	17.6	11.2	6.4	3.3	3.9	
30	8.4	75.0	609.0	166.4	104.0	739.2	143.3	17.2	11.2	5.7		3.6	
31		76.0		126.0	93.0		136.0		11.2	5.7		3.0	
TOTAL	123.9	562.1	7041.0	19850.5	9542.9	4423.1	18199.6	1229.3	435.6	250.1	125.1	103.0	61895.1 CMSDAY
MEAN	4.1	18.1	234.7	640.3	307.8	147.4	587.1	41.0	14.1	8.4	4.3	3.3	169.1 CMS
MAX	11.2	76.0	609.0	817.0	593.0	739.2	862.0	126.0	16.8	11.2	5.7	6.4	862.0 CMS
MIN	2.4	4.2	117.0	126.0	75.0	24.5	136.0	17.2	11.2	5.7	3.0	2.4	2.4 CMS
RUNOFF	10.70	48.57	608.34	1715.08	824.51	382.16	1572.44	106.21	37.64	22.39	10.81	8.90	5347.74 MCM

MOMENTARY PEAK 862.00 CMS, AT 116.95 M (MSL), AT 12.00 HOURS, ON OCT 11, 1979
RUNOFF YIELD 3.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 19.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

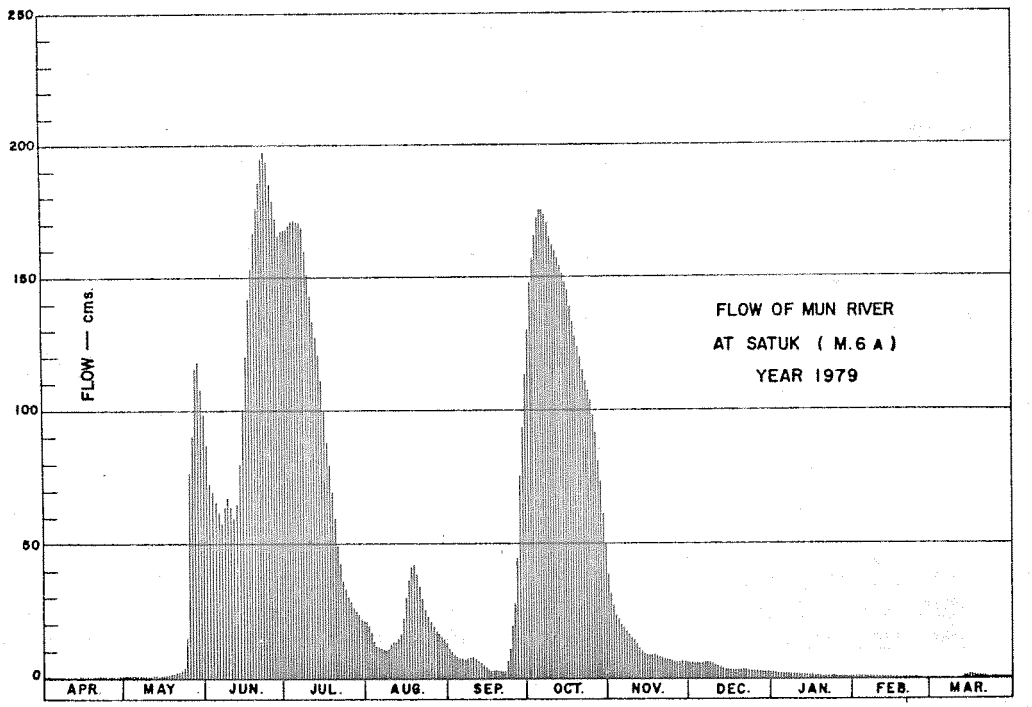
MUN RIVER AT SATUK, BURI RAM (M.6A)

LOCATION	LAT. 15°17'44" N., LONG. 103°17'51" E., ON RIGHT BANK INFRONT OF AMPHOE SATUK OFFICE, BURI RAM.
DRAINAGE AREA	28,275 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+124.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF AUTOMATIC GAGE BUILDING.
ELEVATION	+132.339 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	124.52	124.55	126.74	127.78	125.42	125.14	127.33	125.76	124.92	124.67	124.48	124.41	
2	124.52	124.55	126.59	127.80	125.35	125.08	127.53	125.63	124.93	124.66	124.48	124.41	
3	124.52	124.55	126.48	127.81	125.26	125.06	127.67	125.52	124.91	124.65	124.48	124.40	
4	124.52	124.56	126.42	127.83	125.16	125.03	127.77	125.45	124.92	124.65	124.47	124.39	
5	124.51	124.55	126.37	127.82	125.14	124.99	127.84	125.42	124.93	124.64	124.47	124.39	
6	124.51	124.55	126.31	127.82	125.13	124.97	127.88	125.38	124.91	124.63	124.47	124.38	
7	124.51	124.55	126.23	127.82	125.12	124.97	127.87	125.35	124.94	124.62	124.47	124.38	
8	124.50	124.54	126.29	127.79	125.11	124.97	127.84	125.31	124.94	124.62	124.46	124.38	
9	124.50	124.53	126.39	127.71	125.13	124.99	127.82	125.27	124.93	124.61	124.46	124.37	
10	124.50	124.54	126.37	127.59	125.20	125.01	127.75	125.23	124.90	124.60	124.46	124.37	
11	124.50	124.57	126.30	127.47	125.22	124.97	127.72	125.20	124.87	124.59	124.45	124.38	
12	124.50	124.58	126.26	127.32	125.22	124.94	127.68	125.13	124.84	124.59	124.45	124.37	
13	124.50	124.56	126.37	127.27	125.25	124.88	127.65	125.09	124.80	124.58	124.44	124.42	
14	124.52	124.56	126.57	127.15	125.33	124.84	127.61	125.07	124.78	124.57	124.43	124.55	
15	124.53	124.56	126.89	127.00	125.50	124.82	127.57	125.04	124.75	124.57	124.43	124.54	
16	124.53	124.56	127.19	126.84	125.70	124.78	127.52	125.02	124.73	124.56	124.43	124.56	
17	124.53	124.56	127.45	126.71	125.82	124.76	127.44	125.03	124.73	124.56	124.43	124.56	
18	124.52	124.58	127.62	126.57	125.94	124.75	127.36	125.05	124.72	124.55	124.43	124.55	
19	124.52	124.63	127.73	126.42	125.96	124.75	127.29	125.02	124.72	124.54	124.43	124.51	
20	124.52	124.67	127.84	126.24	125.89	124.74	127.22	125.01	124.72	124.54	124.43	124.49	
21	124.55	124.66	127.97	126.09	125.78	124.74	127.16	124.99	124.73	124.54	124.42	124.47	
22	124.56	124.66	128.07	125.93	125.71	124.74	127.10	124.98	124.73	124.53	124.42	124.46	
23	124.55	124.74	128.12	125.81	125.57	124.76	127.05	124.97	124.73	124.53	124.42	124.45	
24	124.55	124.82	128.10	125.74	125.49	125.05	127.00	124.96	124.73	124.53	124.41	124.43	
25	124.55	125.38	128.04	125.69	125.44	125.30	126.94	124.95	124.72	124.52	124.41	124.41	
26	124.55	126.54	127.97	125.62	125.40	125.50	126.86	124.94	124.72	124.51	124.42	124.41	
27	124.54	126.92	127.88	125.58	125.37	125.97	126.74	124.92	124.72	124.51	124.44	124.40	
28	124.54	127.11	127.81	125.54	125.32	126.34	126.59	124.93	124.71	124.51	124.43	124.39	
29	124.54	127.15	127.76	125.49	125.29	126.73	126.40	124.95	124.70	124.50	124.42	124.39	
30	124.55	127.09	127.79	125.45	125.27	127.07	126.19	124.93	124.69	124.49		124.39	
31		126.90		125.43	125.20		125.97		124.68	124.49		124.38	
MEAN	124.53	125.07	127.13	126.75	125.41	125.15	127.30	125.15	124.80	124.57	124.44	124.43	
MAX	124.56	127.15	128.12	127.83	125.96	127.07	127.88	125.76	124.94	124.67	124.48	124.56	128.12
MIN	124.50	124.53	126.23	125.43	125.11	124.74	125.97	124.92	124.68	124.49	124.41	124.37	124.37

ANNUAL MAX. MOMENTARY GAGE HEIGHT 128.13 M (MSL), AT 13.00 HOURS, ON JUN 23, 1979
ZERO GAGE AT BOTTOM ELEVATION 124.00 M (MSL), RIVER BED 122.27 M (MSL)
LEFT BANK ELEVATION 129.52 M (MSL)
RIGHT BANK ELEVATION 132.20 M (MSL), DRAINAGE AREA 28275 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	1.00	88.40	167.20	20.70	11.70	131.75	33.70	6.40	2.20	0.40	0.05	
2	0.70	1.00	79.40	169.00	18.25	10.00	146.75	28.20	6.60	2.10	0.40	0.05	
3	0.70	1.00	72.80	169.90	15.30	9.50	157.60	24.20	6.20	2.00	0.40	0.00	
4	0.70	1.10	69.20	171.70	12.30	8.75	166.30	21.75	6.40	2.00	0.35	0.00	
5	0.60	1.00	66.20	170.80	11.70	7.80	172.60	20.70	6.60	1.90	0.35	0.00	
6	0.60	1.00	62.60	170.80	11.40	7.40	176.20	19.30	6.20	1.80	0.35	0.00	
7	0.60	1.00	57.80	170.80	11.10	7.40	175.30	18.25	6.80	1.70	0.35	0.00	
8	0.50	0.90	61.40	168.10	10.80	7.40	172.60	16.85	6.80	1.70	0.30	0.00	
9	0.50	0.80	67.40	160.90	11.40	7.80	170.80	15.60	6.60	1.60	0.30	0.00	
10	0.50	0.90	66.20	151.25	13.50	8.25	164.50	14.40	6.00	1.50	0.30	0.00	
11	0.50	1.20	62.00	142.25	14.10	7.40	161.80	13.50	5.40	1.40	0.25	0.00	
12	0.50	1.30	59.60	131.00	14.10	6.80	158.40	11.40	4.80	1.40	0.25	0.00	
13	0.50	1.10	66.20	127.25	15.00	5.60	156.00	10.25	4.00	1.30	0.20	0.10	
14	0.70	1.10	78.20	118.25	17.55	4.80	152.80	9.75	3.70	1.20	0.15	1.00	
15	0.80	1.10	98.75	107.00	23.50	4.40	149.75	9.00	3.25	1.20	0.15	0.90	
16	0.80	1.10	121.25	95.00	31.00	3.70	146.00	8.50	2.95	1.10	0.15	1.10	
17	0.80	1.10	140.75	86.60	36.40	3.40	140.00	8.75	2.95	1.10	0.15	1.10	
18	0.70	1.30	153.60	78.20	42.00	3.25	134.00	9.25	2.80	1.00	0.15	1.00	
19	0.70	1.80	162.70	69.20	43.00	3.25	128.75	8.50	2.80	0.90	0.15	0.60	
20	0.70	2.20	172.60	58.40	39.55	3.10	123.50	8.25	2.80	0.90	0.15	0.45	
21	1.00	2.10	184.30	49.95	34.60	3.10	119.00	7.80	2.95	0.90	0.10	0.35	
22	1.10	2.10	193.30	41.50	31.45	3.10	114.50	7.60	2.95	0.80	0.10	0.30	
23	1.00	3.10	197.90	35.95	25.95	3.40	110.75	7.40	2.95	0.80	0.10	0.25	
24	1.00	4.40	196.00	32.80	23.15	9.25	107.00	7.20	2.95	0.80	0.05	0.15	
25	1.00	19.30	190.60	30.60	21.40	16.50	102.50	7.00	2.80	0.70	0.05	0.05	
26	1.00	76.40	184.30	27.80	20.00	23.50	96.50	6.80	2.80	0.60	0.10	0.05	
27	0.90	101.00	176.20	26.30	18.95	43.50	88.40	6.40	2.80	0.60	0.20	0.00	
28	0.90	115.25	169.90	24.90	17.20	64.40	79.40	6.60	2.65	0.60	0.15	0.00	
29	0.90	118.25	165.40	23.15	16.20	87.80	68.00	7.00	2.50	0.50	0.10	0.00	
30	1.00	113.75	168.10	21.75	15.60	112.25	55.45	6.60	2.40	0.45		0.00	
31		99.50		21.05	13.50		43.50		2.30	0.45		0.00	
TOTAL	22.60	678.15	3633.05	3019.35	650.65	498.50	4070.40	380.50	130.10	37.20	6.20	7.50	13134.18 CMSDAY
MEAN	0.75	21.88	121.10	97.40	20.99	16.62	131.30	12.68	4.20	1.20	0.21	0.24	35.89 CMS
MAX	1.10	118.25	197.90	171.70	43.00	112.25	176.20	33.70	6.80	2.20	0.40	1.10	197.90 CMS
MIN	0.50	0.80	57.80	21.05	10.80	3.10	43.50	6.40	2.30	0.45	0.05	0.00	0.00 CMS
RUNOFF	1.953	58.592	313.895	260.872	56.216	43.070	351.682	32.875	11.241	3.214	0.536	0.648	1134.793 MCM

MOMENTARY PEAK 198.85 CMS, AT 128.13 M (MSL), AT 13.00 HOURS, ON JUN 23, 1979

RUNOFF YIELD 1.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 7.03 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

MUN RIVER AT UBON RATCHATHANI, UBON RATCHATHANI (M.7)

LOCATION — LAT. 15°13'17" N., LONG. 104°51'39" E., ON LEFT BANK AT THE ABUTMENT OF SERI PRACHATHIPPATAI BRIDGE, AMPHOE MUANG, UBON RATCHATHANI.

DRAINAGE AREA — 106.673 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +105.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE ABUTMENT OF THE BRIDGE.

ELEVATION — +113.317 M. (M.S.L.)

GAGE READING FREQUENCY — 5-TIME DAILY READINGS AT 08.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1948 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1956-1958, 1964 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1956-1958, 1964 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 32 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

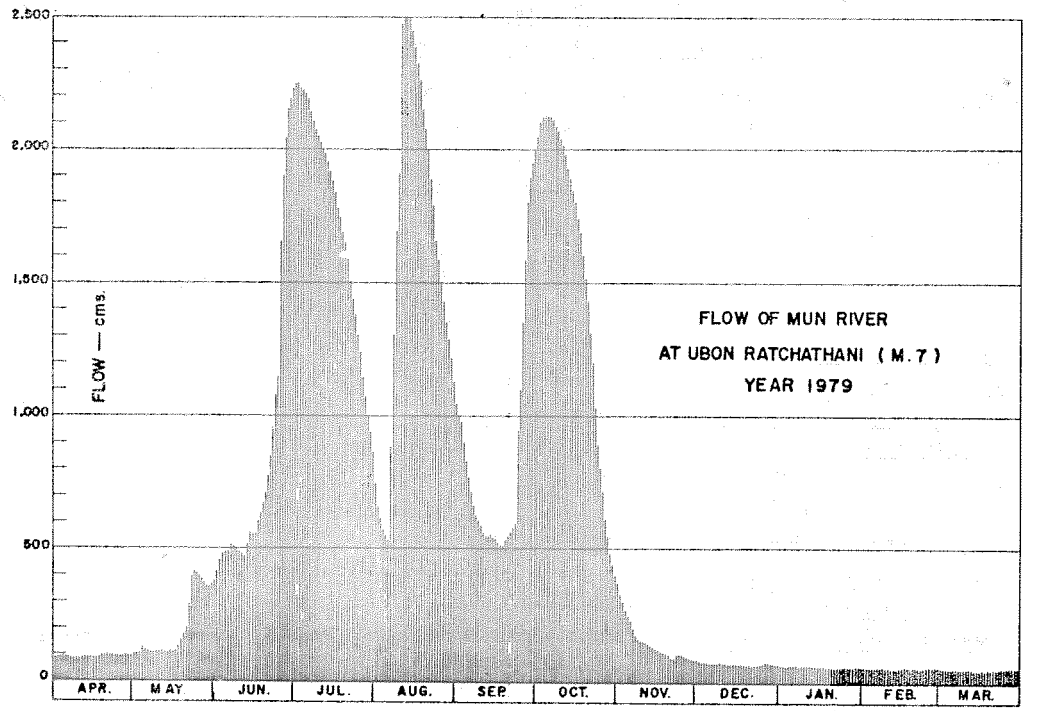
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	106.79	106.85	107.72	112.04	108.52	109.34	111.68	107.61	106.76	106.65	106.61	106.60	
2	106.79	106.85	107.86	112.04	108.34	109.19	111.74	107.53	106.73	106.65	106.62	106.60	
3	106.78	106.88	107.94	112.03	108.20	108.96	111.77	107.43	106.71	106.65	106.63	106.60	
4	106.82	106.96	107.99	112.01	108.12	108.90	111.77	107.35	106.70	106.66	106.64	106.59	
5	106.81	106.92	107.94	111.96	108.09	108.72	111.76	107.29	106.69	106.66	106.65	106.59	
6	106.80	106.89	108.01	111.88	108.48	108.54	111.74	107.24	106.69	106.65	106.66	106.58	
7	106.77	106.87	108.05	111.79	109.74	108.43	111.71	107.17	106.69	106.64	106.66	106.55	
8	106.76	106.85	108.02	111.71	110.63	108.33	111.68	107.11	106.69	106.63	106.66	106.53	
9	106.75	106.85	107.98	111.64	111.41	108.24	111.64	107.08	106.69	106.60	106.66	106.51	
10	106.75	106.85	107.96	111.58	112.12	108.18	111.59	107.04	106.67	106.59	106.66	106.48	
11	106.77	106.88	107.94	111.51	112.56	108.14	111.52	107.01	106.66	106.58	106.66	106.48	
12	106.78	106.89	107.93	111.45	112.65	108.14	111.43	107.00	106.66	106.57	106.66	106.48	
13	106.79	106.88	108.09	111.40	112.60	108.15	111.32	106.98	106.66	106.58	106.66	106.49	
14	106.79	106.88	108.17	111.32	112.51	108.12	111.21	106.98	106.65	106.61	106.66	106.52	
15	106.80	106.89	108.14	111.23	112.38	108.09	111.07	106.96	106.64	106.61	106.66	106.53	
16	106.79	106.91	108.14	111.13	112.25	108.05	110.94	106.92	106.63	106.63	106.66	106.54	
17	106.80	106.92	108.23	111.03	112.13	108.03	110.81	106.91	106.63	106.63	106.65	106.55	
18	106.80	107.02	108.33	110.92	112.00	108.03	110.66	106.89	106.62	106.63	106.64	106.56	
19	106.81	107.11	108.44	110.81	111.83	108.12	110.47	106.87	106.62	106.63	106.62	106.56	
20	106.83	107.12	108.56	110.68	111.63	108.17	110.25	106.84	106.62	106.63	106.59	106.56	
21	106.83	107.21	108.73	110.54	111.39	108.20	109.98	106.83	106.62	106.63	106.58	106.58	
22	106.83	107.52	109.08	110.39	111.11	108.23	109.64	106.81	106.62	106.63	106.58	106.58	
23	106.83	107.75	109.41	110.25	110.80	108.74	109.30	106.85	106.64	106.63	106.59	106.59	
24	106.82	107.79	109.83	110.10	110.53	109.44	108.99	106.84	106.66	106.63	106.59	106.59	
25	106.81	107.77	110.47	109.93	110.28	110.02	108.66	106.84	106.68	106.63	106.59	106.60	
26	106.82	107.73	111.05	109.76	110.13	110.58	108.39	106.83	106.69	106.64	106.59	106.60	
27	106.82	107.69	111.54	109.55	109.96	111.01	108.22	106.83	106.69	106.65	106.60	106.61	
28	106.82	107.66	111.80	109.33	109.77	111.26	108.05	106.81	106.68	106.65	106.60	106.60	
29	106.82	107.64	111.91	109.25	109.62	111.44	107.91	106.79	106.68	106.66	106.60	106.60	
30	106.83	107.65	112.01	109.00	109.55	111.58	107.81	106.76	106.68	106.64		106.60	
31		107.68		108.74	109.44		107.70		106.65	106.65		106.60	
MEAN	106.80	107.17	108.91	110.87	110.61	108.95	110.37	107.01	106.67	106.63	106.63	106.56	
MAX	106.83	107.79	112.01	112.04	112.65	111.58	111.77	107.61	106.76	106.66	106.66	106.61	112.65
MIN	106.75	106.85	107.72	108.74	108.09	108.03	107.70	106.76	106.62	106.57	106.58	106.48	106.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 112.65 M (MSL), AT 12.00 HOURS, ON AUG 12, 1979

ZERO GAGE AT BOTTOM ELEVATION 105.00 M (MSL), RIVER BED 100.95 M (MSL)

LEFT BANK ELEVATION 120.80 M (MSL)

RIGHT BANK ELEVATION 117.36 M (MSL), DRAINAGE AREA 106673. SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	88.5	102.5	388.0	2248.0	708.0	1036.0	2086.0	348.5	84.0	67.5	61.5	60.0	
2	88.5	102.5	444.0	2248.0	636.0	976.0	2113.0	320.5	79.5	67.5	63.0	60.0	
3	87.0	110.0	476.0	2243.5	580.0	884.0	2126.5	285.5	76.5	67.5	64.5	60.0	
4	95.0	130.0	496.0	2234.5	548.0	860.0	2126.5	259.0	75.0	69.0	66.0	59.0	
5	92.5	120.0	476.0	2212.0	536.0	788.0	2122.0	231.5	73.5	69.0	67.5	59.0	
6	90.0	112.5	504.0	2176.0	692.0	716.0	2113.0	214.0	73.5	67.5	69.0	58.0	
7	85.5	107.5	520.0	2135.5	1213.0	672.0	2099.5	189.5	73.5	66.0	69.0	55.0	
8	84.0	102.5	508.0	2099.5	1613.5	632.0	2086.0	168.5	73.5	64.5	69.0	53.0	
9	82.5	102.5	492.0	2068.0	1964.5	596.0	2068.0	160.0	73.5	60.0	69.0	51.0	
10	82.5	102.5	484.0	2041.0	2284.0	572.0	2045.5	150.0	70.5	59.0	69.0	48.0	
11	85.5	110.0	476.0	2009.5	2495.0	556.0	2014.0	142.5	69.0	58.0	69.0	48.0	
12	87.0	112.5	472.0	1982.5	2540.0	556.0	1973.5	140.0	69.0	57.0	69.0	48.0	
13	88.5	110.0	536.0	1960.0	2515.0	560.0	1924.0	135.0	69.0	58.0	69.0	49.0	
14	88.5	110.0	568.0	1924.0	2470.0	548.0	1874.5	135.0	67.5	61.5	69.0	52.0	
15	90.0	112.5	556.0	1883.5	2405.0	536.0	1811.5	130.0	66.0	61.5	69.0	53.0	
16	88.5	117.5	556.0	1938.5	2342.5	520.0	1753.0	120.0	64.5	64.5	69.0	54.0	
17	90.0	120.0	592.0	1793.5	2288.5	512.0	1694.5	117.5	64.5	64.5	67.5	55.0	
18	90.0	145.0	632.0	1744.0	2230.0	512.0	1627.0	112.5	63.0	64.5	66.0	56.0	
19	92.5	168.5	676.0	1694.5	2153.5	548.0	1541.5	107.5	63.0	64.5	63.0	56.0	
20	97.5	172.0	724.0	1636.0	2063.5	568.0	1442.5	100.0	63.0	64.5	59.0	56.0	
21	97.5	203.5	792.0	1573.0	1955.5	580.0	1321.0	97.5	63.0	64.5	58.0	58.0	
22	97.5	317.0	932.0	1505.5	1829.5	592.0	1168.0	92.5	63.0	64.5	58.0	58.0	
23	97.5	400.0	1064.5	1442.5	1690.0	796.0	1020.0	102.5	66.0	64.5	59.0	59.0	
24	95.0	416.0	1253.5	1375.0	1568.5	1078.0	896.0	100.0	69.0	64.5	59.0	59.0	
25	92.5	408.0	1541.5	1298.5	1456.0	1339.0	764.0	100.0	72.0	64.5	59.0	60.0	
26	95.0	392.0	1802.5	1222.0	1388.5	1591.0	656.0	97.5	73.5	66.0	59.0	60.0	
27	95.0	376.5	2023.0	1127.5	1312.0	1784.5	588.0	97.5	73.5	67.5	60.0	61.5	
28	95.0	366.0	2140.0	1032.0	1226.5	1897.0	520.0	92.5	72.0	67.5	60.0	60.0	
29	95.0	359.0	2189.5	1000.0	1159.0	1978.0	464.0	88.5	72.0	69.0	60.0	60.0	
30	97.5	362.5	2234.5	900.0	1127.5	2041.0	424.0	84.0	69.0	66.0		60.0	
31		373.0		796.0	1078.0		380.0		67.5	67.5		60.0	
TOTAL	2731.5	6344.0	26349.0	53444.0	50069.0	26824.5	46843.0	4515.5	2172.0	2002.0	1869.0	1745.5	225109.0 CMSDAY
MEAN	91.1	204.6	885.0	1724.0	1615.1	894.2	1511.1	150.5	70.1	64.6	64.4	56.3	615.1 CMS
MAX	97.5	416.0	2234.5	2248.0	2540.0	2041.0	2126.5	348.5	84.0	69.0	69.0	61.5	2540.0 CMS
MIN	82.5	102.5	388.0	796.0	536.0	512.0	380.0	84.0	63.0	57.0	58.0	48.0	48.0 CMS
RUNOFF	236.00	548.12	2276.83	4617.56	4325.96	2317.64	4047.63	390.14	187.66	172.97	161.48	150.81	19449.42 MCM

MOMENTARY PEAK 2540.00 CMS, AT 112.65 M (MSL), AT 12.00 HOURS, ON AUG 12, 1979

RUNOFF YIELD 5.77 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 23.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

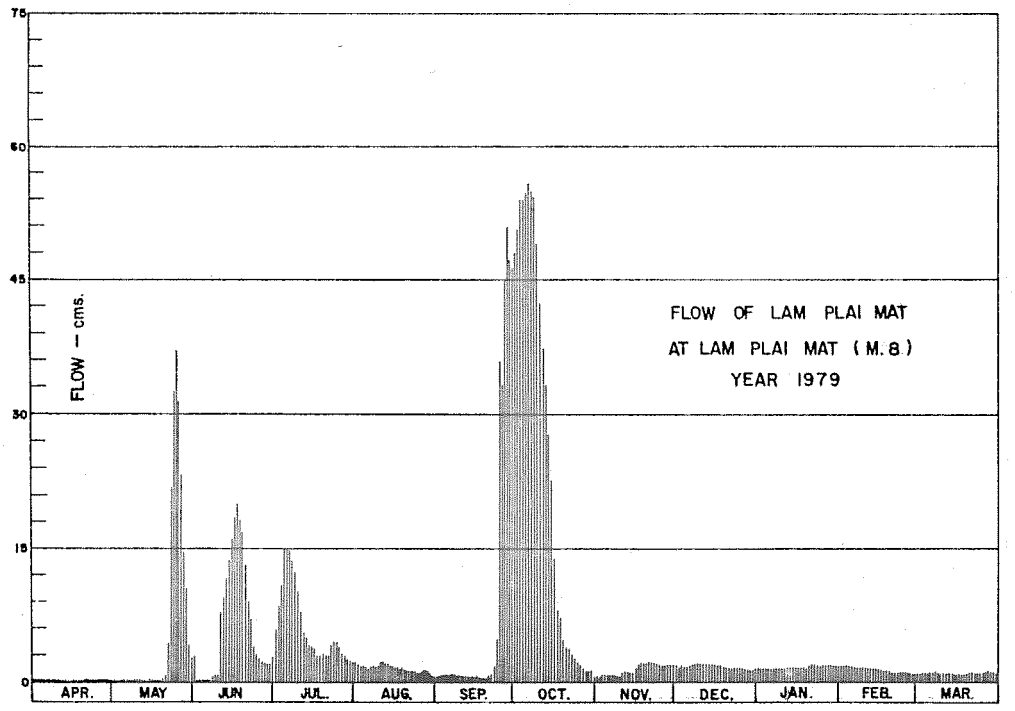
LAM PLAI MAT AT LAM PLAI MAT, BURI RAM (M.8)

LOCATION	LAT. 15°-01'-05" N., LONG. 102°-48'-55" E., ON LEFT BANK ABOUT 60 METERS UPSTREAM FROM RAILWAY BRIDGE, AMPHOE LAM PLAI MÁT, BURI RAM.
DRAINAGE AREA	5,025 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+149.50 M. (M.S.L.)
BENCH MARK	B.M.-M.8
LOCATION	AT THE FOOT OF THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+155.859 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1951 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967
RATED BY FLOAT	-
RATED BY CURRENT METER	1967
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 96 DISCHARGE MEASUREMENTS MADE IN 1967.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	149.98	149.96	150.69	150.67	150.58	150.22	154.95	150.28	150.50	150.46	150.52	150.39	
2	149.98	149.96	149.68	151.04	150.55	150.26	155.14	150.26	150.50	150.46	150.52	150.39	
3	149.98	149.96	149.52	151.40	150.51	150.31	155.29	150.28	150.50	150.46	150.51	150.36	
4	149.98	149.96	149.55	151.88	150.51	150.33	155.33	150.30	150.50	150.46	150.50	150.36	
5	149.98	149.96	149.68	152.14	150.48	150.32	155.35	150.30	150.51	150.46	150.50	150.36	
6	149.98	149.96	149.84	152.20	150.43	150.32	155.39	150.30	150.52	150.47	150.50	150.35	
7	149.97	149.96	150.13	152.16	150.48	150.32	155.37	150.30	150.55	150.48	150.49	150.35	
8	149.96	149.96	150.28	152.05	150.49	150.33	155.29	150.30	150.58	150.48	150.48	150.34	
9	149.96	149.96	150.31	151.90	150.50	150.21	155.13	150.25	150.56	150.48	150.48	150.34	
10	149.96	149.96	150.24	151.68	150.56	150.29	154.87	150.35	150.55	150.47	150.48	150.34	
11	149.96	149.96	151.28	151.42	150.60	150.28	154.54	150.40	150.54	150.47	150.47	150.33	
12	149.96	149.96	151.46	151.22	150.58	150.28	154.06	150.38	150.55	150.48	150.46	150.33	
13	149.96	149.96	151.72	151.07	150.55	150.28	153.78	150.37	150.55	150.48	150.45	150.33	
14	149.96	149.96	151.92	151.01	150.52	150.28	153.31	150.36	150.55	150.48	150.45	150.32	
15	149.95	149.96	152.11	150.92	150.50	150.28	152.72	150.36	150.54	150.48	150.44	150.32	
16	149.95	149.96	152.48	150.87	150.47	150.28	151.97	150.46	150.54	150.49	150.44	150.33	
17	149.95	149.96	152.65	150.80	150.45	150.28	151.43	150.59	150.53	150.49	150.44	150.33	
18	149.95	150.01	152.54	150.71	150.46	150.23	151.22	150.60	150.51	150.49	150.43	150.33	
19	149.95	150.10	152.36	150.72	150.45	150.23	151.05	150.59	150.49	150.49	150.43	150.33	
20	149.96	150.10	152.08	150.73	150.43	150.27	150.91	150.58	150.48	150.53	150.42	150.33	
21	149.96	150.24	151.77	150.70	150.43	150.31	150.94	150.58	150.47	150.54	150.42	150.36	
22	149.96	150.94	151.39	150.74	150.41	150.33	150.78	150.57	150.46	150.54	150.42	150.37	
23	149.96	152.67	151.09	150.86	150.38	150.53	150.67	150.56	150.46	150.54	150.41	150.37	
24	149.96	153.66	150.89	150.94	150.39	150.95	150.60	150.54	150.46	150.54	150.41	150.38	
25	149.96	154.16	150.78	150.93	150.33	154.12	150.51	150.53	150.45	150.54	150.41	150.38	
26	149.96	153.70	150.69	150.84	150.32	153.65	150.45	150.53	150.44	150.54	150.40	150.40	
27	149.96	152.93	150.63	150.76	150.40	154.65	150.42	150.53	150.43	150.53	150.40	150.35	
28	149.96	152.06	150.60	150.71	150.40	155.13	150.40	150.53	150.42	150.52	150.39	150.34	
29	149.96	151.31	150.56	150.67	150.38	154.88	150.40	150.52	150.42	150.52	150.39	150.34	
30	149.96	150.87	150.59	150.62	150.32	154.82	150.35	150.50	150.43	150.52		150.32	
31		150.62		150.60	150.24		150.24		150.45	150.53		150.32	
MEAN	149.96	150.73	150.98	151.13	150.45	151.17	152.67	150.43	150.50	150.50	150.45	150.35	
MAX	149.98	154.16	152.65	152.20	150.60	155.13	155.39	150.60	150.58	150.54	150.52	150.40	155.39
MIN	149.95	149.96	149.52	150.60	150.24	150.22	150.24	150.25	150.42	150.46	150.39	150.32	149.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 155.39 M (MSL), AT 24.00 HOURS, ON OCT 6, 1979
ZERO GAGE AT BOTTOM ELEVATION 149.50 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 5025 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	2.84	2.72	2.20	0.48	47.95	0.72	1.80	1.60	1.90	1.25	
2	0.00	0.00	0.00	5.32	2.05	0.64	51.18	0.64	1.80	1.60	1.90	1.25	
3	0.00	0.00	0.00	8.20	1.85	0.85	53.82	0.72	1.80	1.60	1.85	1.10	
4	0.00	0.00	0.00	12.52	1.85	0.95	54.54	0.80	1.80	1.60	1.80	1.10	
5	0.00	0.00	0.00	14.90	1.70	0.90	54.90	0.80	1.85	1.60	1.80	1.10	
6	0.00	0.00	0.00	15.50	1.45	0.90	55.62	0.80	1.90	1.65	1.80	1.05	
7	0.00	0.00	0.12	15.10	1.70	0.90	55.26	0.80	2.05	1.70	1.75	1.05	
8	0.00	0.00	0.72	14.05	1.75	0.95	53.82	0.80	2.20	1.70	1.70	1.00	
9	0.00	0.00	0.85	12.70	1.80	0.85	51.01	0.60	2.10	1.70	1.70	1.00	
10	0.00	0.00	0.56	10.72	2.10	0.76	46.62	1.05	2.05	1.65	1.70	1.00	
11	0.00	0.00	7.24	8.38	2.30	0.72	41.76	1.30	2.00	1.65	1.65	0.95	
12	0.00	0.00	8.74	6.76	2.20	0.72	35.62	1.20	2.05	1.70	1.60	0.95	
13	0.00	0.00	11.08	5.56	2.05	0.72	32.26	1.15	2.05	1.70	1.55	0.95	
14	0.00	0.00	12.88	5.08	1.90	0.72	26.91	1.10	2.05	1.70	1.55	0.90	
15	0.00	0.00	14.60	4.44	1.80	0.72	20.70	1.10	2.00	1.70	1.50	0.90	
16	0.00	0.00	18.30	4.09	1.65	0.72	13.33	1.60	2.00	1.75	1.50	0.95	
17	0.00	0.00	20.00	3.60	1.55	0.72	8.47	2.25	1.95	1.75	1.50	0.95	
18	0.00	0.00	18.90	2.97	1.60	0.52	6.76	2.30	1.85	1.75	1.45	0.95	
19	0.00	0.00	17.10	3.04	1.55	0.52	5.40	2.25	1.75	1.75	1.45	0.95	
20	0.00	0.00	14.32	3.11	1.45	0.68	4.37	2.20	1.70	1.95	1.40	0.95	
21	0.00	0.56	11.53	2.90	1.45	0.85	4.58	2.20	1.65	2.00	1.40	1.10	
22	0.00	4.58	8.12	3.18	1.35	0.95	3.46	2.15	1.60	2.00	1.40	1.15	
23	0.00	20.20	5.72	4.02	1.20	1.95	2.72	2.10	1.60	2.00	1.35	1.15	
24	0.00	30.82	4.23	4.58	1.25	4.65	2.30	2.00	1.60	2.00	1.35	1.20	
25	0.00	36.82	3.46	4.51	0.95	36.34	1.85	1.95	1.55	2.00	1.35	1.20	
26	0.00	31.30	2.84	3.88	0.90	30.70	1.55	1.95	1.50	2.00	1.30	1.30	
27	0.00	22.80	2.48	3.32	1.30	43.30	1.40	1.95	1.45	1.95	1.30	1.05	
28	0.00	14.14	2.30	2.97	1.30	51.01	1.30	1.95	1.40	1.90	1.25	1.00	
29	0.00	7.48	2.10	2.72	1.20	46.78	1.30	1.90	1.40	1.90	1.25	1.00	
30	0.00	4.09	2.25	2.42	0.90	45.82	1.05	1.80	1.45	1.90		0.90	
31		2.42		2.30	0.56		0.56		1.55	1.95		0.90	
TOTAL	0.00	175.21	193.28	195.56	48.86	277.29	742.37	44.13	55.50	55.40	45.00	32.25	1864.85 CMSDAY
MEAN	0.00	5.65	6.44	6.31	1.58	9.24	23.95	1.47	1.79	1.79	1.55	1.04	5.10 CMS
MAX	0.00	36.82	20.00	15.50	2.30	51.01	55.62	2.30	2.20	2.00	1.90	1.30	55.62 CMS
MIN	0.00	0.00	0.00	2.30	0.56	0.48	0.56	0.60	1.40	1.60	1.25	0.90	0.00 CMS
RUNOFF	0.000	15.138	16.699	16.896	4.221	23.958	64.141	3.813	4.795	4.787	3.888	2.786	161.123 MCM

MOMENTARY PEAK 55.62 CMS, AT 155.39 M (MSL), AT 24.00 HOURS, ON OCT 6, 1979

RUNOFF YIELD 1.01 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI SAMRAN AT SI SA KET, SI SA KET (M.9)

LOCATION — LAT. 15°-07'-00" N., LONG. 104°-19'-20" E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE AND ABOUT 200 METERS NORTH OF CITY JAIL, AMPHOE MUANG, SI SA KET.

DRAINAGE AREA — 3,026 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +109.00 M. (M.S.L.)

BENCH MARK — B.M.=H.S./R.I.D.

LOCATION — ON RIGHT BANK ALONG THE MEASURING LINE.

ELEVATION — +122.055 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1954 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1951, 1972 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1951, 1972 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

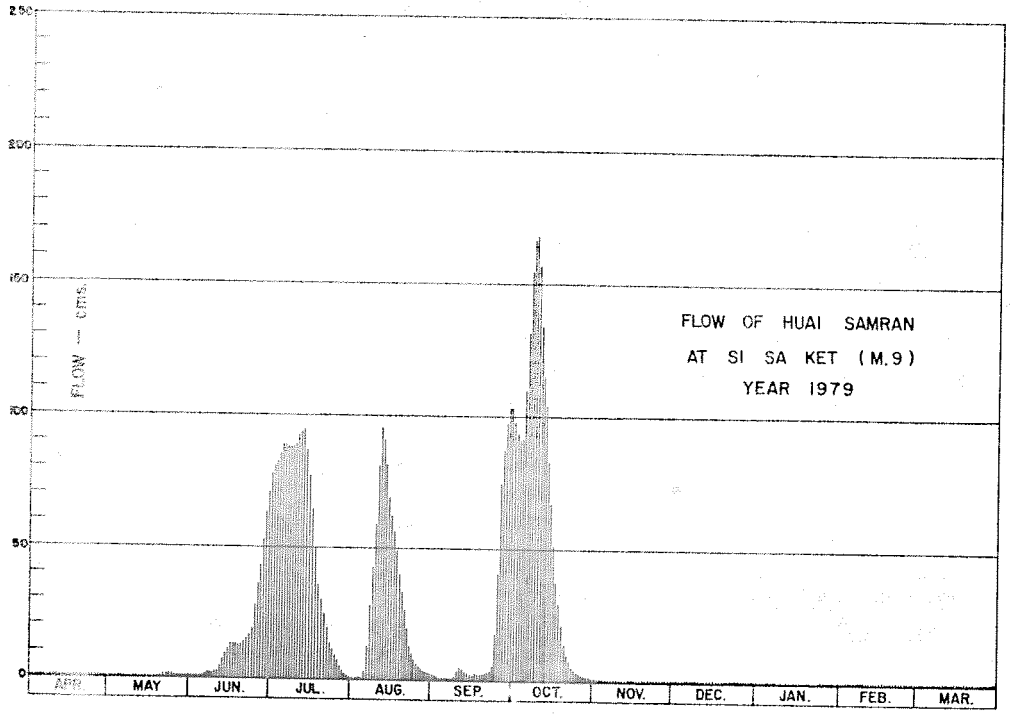
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	109.08	109.29	109.28	115.45	110.20	110.97	116.16	110.53	109.49	109.29	109.20	109.18	
2	109.04	109.27	109.30	115.66	110.03	110.78	116.03	110.41	109.49	109.31	109.20	109.19	
3	109.05	109.24	109.36	115.71	109.89	110.63	115.91	110.32	109.50	109.30	109.19	109.17	
4	109.04	109.18	109.46	115.51	109.83	110.50	115.96	110.28	109.48	109.30	109.20	109.15	
5	109.08	109.15	109.56	115.88	109.92	110.41	116.23	110.27	109.47	109.29	109.20	109.15	
6	109.08	109.13	109.63	115.89	110.86	110.31	116.70	110.16	109.46	109.29	109.20	109.16	
7	109.07	109.11	109.92	115.85	112.61	110.21	117.34	110.08	109.44	109.29	109.20	109.16	
8	109.07	109.09	109.76	115.86	113.45	110.14	117.67	110.03	109.43	109.30	109.19	109.16	
9	109.09	109.09	109.82	115.87	114.42	110.10	117.71	109.95	109.41	109.28	109.19	109.16	
10	109.11	109.20	109.84	115.93	115.38	110.19	117.55	109.90	109.41	109.26	109.19	109.16	
11	109.14	109.29	110.18	116.00	115.92	110.49	117.25	109.87	109.38	109.27	109.18	109.18	
12	109.12	109.21	110.48	116.06	116.08	110.28	116.88	109.85	109.46	109.27	109.18	109.18	
13	109.12	109.18	110.75	116.06	116.01	110.09	116.50	109.83	109.41	109.27	109.18	109.17	
14	109.12	109.16	111.09	115.99	115.80	110.05	116.04	109.81	109.39	109.25	109.17	109.17	
15	109.13	109.13	111.40	115.85	115.50	109.96	115.53	109.78	109.36	109.26	109.17	109.18	
16	109.12	109.14	111.65	115.63	115.28	109.96	115.00	109.76	109.36	109.25	109.17	109.19	
17	109.14	109.29	111.63	115.29	115.07	110.02	114.53	109.75	109.38	109.25	109.16	109.18	
18	109.12	109.22	111.47	114.89	114.82	109.99	114.19	109.73	109.38	109.25	109.14	109.18	
19	109.12	109.19	111.47	114.51	114.52	110.03	113.81	109.71	109.36	109.25	109.15	109.17	
20	109.12	109.42	111.61	114.20	114.29	110.05	113.44	109.67	109.33	109.25	109.15	109.15	
21	109.18	109.48	111.76	113.95	113.93	110.16	112.98	109.65	109.33	109.25	109.15	109.17	
22	109.19	109.78	111.88	113.68	113.54	110.12	112.58	109.63	109.33	109.27	109.15	109.19	
23	109.19	109.78	112.06	113.42	113.10	110.31	112.13	109.61	109.33	109.26	109.15	109.16	
24	109.28	109.74	112.18	113.08	112.66	110.80	111.63	109.57	109.33	109.24	109.15	109.15	
25	109.26	109.75	111.85	112.72	112.31	113.74	111.32	109.55	109.31	109.23	109.13	109.15	
26	109.22	109.58	113.41	112.33	112.03	115.29	111.16	109.54	109.31	109.22	109.14	109.14	
27	109.24	109.44	113.97	111.86	111.78	115.83	110.93	109.53	109.30	109.22	109.15	109.13	
28	109.18	109.39	111.49	111.39	111.52	116.13	110.84	109.52	109.28	109.22	109.17	109.13	
29	109.16	109.35	114.87	110.99	111.40	116.30	110.86	109.51	109.30	109.20	109.17	109.15	
30	109.16	109.29	115.17	110.66	111.23	116.28	110.69	109.50	109.29	109.22		109.14	
31		109.29		110.39	111.10		110.61		109.29	109.21		109.12	
MEAN	109.13	109.32	111.21	114.41	113.05	111.34	114.39	109.84	109.38	109.26	109.17	109.16	
MAX	109.28	109.78	115.17	116.06	116.08	116.30	117.71	110.53	109.50	109.31	109.20	109.19	117.71
MIN	109.04	109.09	109.28	110.39	109.83	109.96	110.61	109.50	109.28	109.20	109.13	109.12	109.04

ANNUAL MAX MOMENTARY GAGE HEIGHT 117.72 M (MSL), AT 6:00 HOURS, ON OCT 9, 1979
ZERO GAGE AT BOTTOM ELEVATION 109.00 M (MSL), RIVER BED 109.22 M (MSL)
LEFT BANK ELEVATION 122.83 M (MSL)
RIGHT BANK ELEVATION 124.67 M (MSL), DRAINAGE AREA 3026 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.08	0.48	0.46	75.50	1.00	2.31	98.60	1.36	0.29	0.14	0.10	0.09	
2	0.04	0.44	0.50	81.80	0.83	1.86	94.05	1.20	0.29	0.15	0.10	0.09	
3	0.08	0.38	0.62	83.80	0.69	1.56	89.85	1.12	0.30	0.15	0.09	0.08	
4	0.04	0.26	0.88	86.35	0.63	1.30	91.60	1.08	0.28	0.15	0.10	0.07	
5	0.08	0.20	1.18	88.80	2.48	1.21	101.20	1.07	0.27	0.14	0.10	0.07	
6	0.08	0.16	1.39	89.15	7.88	1.11	120.00	0.96	0.26	0.14	0.10	0.08	
7	0.07	0.12	2.48	87.75	24.10	1.01	149.00	0.88	0.24	0.14	0.10	0.08	
8	0.07	0.09	1.84	88.10	34.75	0.94	166.30	0.83	0.23	0.15	0.09	0.08	
9	0.09	0.09	2.08	88.45	50.90	0.90	168.50	0.75	0.21	0.14	0.09	0.08	
10	0.12	0.30	2.16	90.55	73.40	3.75	159.70	0.70	0.21	0.13	0.09	0.08	
11	0.18	0.48	3.70	93.00	90.20	5.44	144.50	0.67	0.19	0.13	0.09	0.09	
12	0.14	0.32	5.38	95.10	95.80	4.20	127.10	0.65	0.26	0.13	0.09	0.09	
13	0.14	0.26	7.05	95.10	88.90	3.25	110.00	0.63	0.21	0.13	0.09	0.08	
14	0.14	0.22	9.72	88.10	81.50	3.05	90.10	0.61	0.19	0.12	0.08	0.08	
15	0.16	0.16	12.20	83.50	69.50	2.64	70.70	0.58	0.18	0.13	0.08	0.09	
16	0.14	0.18	14.25	74.70	61.90	2.64	53.50	0.56	0.18	0.12	0.08	0.09	
17	0.15	0.48	14.07	62.20	55.60	2.90	40.32	0.55	0.19	0.12	0.08	0.09	
18	0.14	0.34	12.76	50.20	48.10	2.76	32.16	0.53	0.19	0.12	0.07	0.09	
19	0.14	0.28	12.76	39.84	40.08	2.95	23.98	0.51	0.18	0.12	0.07	0.08	
20	0.14	0.76	13.89	32.40	34.56	3.05	17.60	0.47	0.16	0.12	0.07	0.07	
21	0.26	0.94	15.24	26.60	26.20	3.60	12.08	0.45	0.16	0.12	0.07	0.08	
22	0.28	1.92	16.40	21.64	19.19	3.40	8.68	0.43	0.16	0.13	0.07	0.09	
23	0.28	1.92	18.20	17.30	13.40	4.36	6.25	0.41	0.16	0.13	0.07	0.08	
24	0.46	1.76	19.40	13.18	9.42	7.40	4.29	0.37	0.16	0.12	0.07	0.07	
25	0.42	1.80	27.00	9.64	7.26	39.10	3.36	0.35	0.15	0.11	0.06	0.07	
26	0.34	1.24	34.15	7.38	5.75	70.75	2.88	0.34	0.15	0.11	0.07	0.07	
27	0.38	0.82	42.55	5.08	4.74	87.05	2.19	0.33	0.15	0.11	0.07	0.06	
28	0.26	0.68	52.30	3.57	3.96	97.55	1.98	0.32	0.14	0.11	0.08	0.06	
29	0.22	0.60	60.41	2.87	3.60	104.00	2.02	0.31	0.15	0.10	0.08	0.07	
30	0.22	0.48	67.75	1.62	3.09	103.20	1.68	0.30	0.14	0.11		0.07	
31		0.48		1.19	2.70		1.52		0.14	0.10		0.06	
TOTAL	5.34	18.64	472.77	1684.18	962.10	569.24	1995.89	19.32	6.17	3.92	2.40	2.43	5742.37 CMSDAY
MEAN	0.18	0.60	15.76	54.33	31.04	18.97	64.38	0.64	0.20	0.13	0.08	0.08	15.69 CMS
MAX	0.46	1.92	67.75	95.10	95.80	104.00	168.50	1.36	0.30	0.15	0.10	0.09	168.50 CMS
MIN	0.04	0.09	0.46	1.19	0.63	0.90	1.52	0.30	0.14	0.10	0.06	0.06	0.04 CMS
RUNOFF	0.461	1.610	40.847	145.511	83.125	49.182	172.445	1.669	0.533	0.339	0.207	0.210	496.141 MCM

MOMENTARY PEAK 169.10 CMS, AT 169.10 M (MSL), AT 6.00 HOURS, ON OCT 9, 1979

RUNOFF YIELD 9.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 55.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

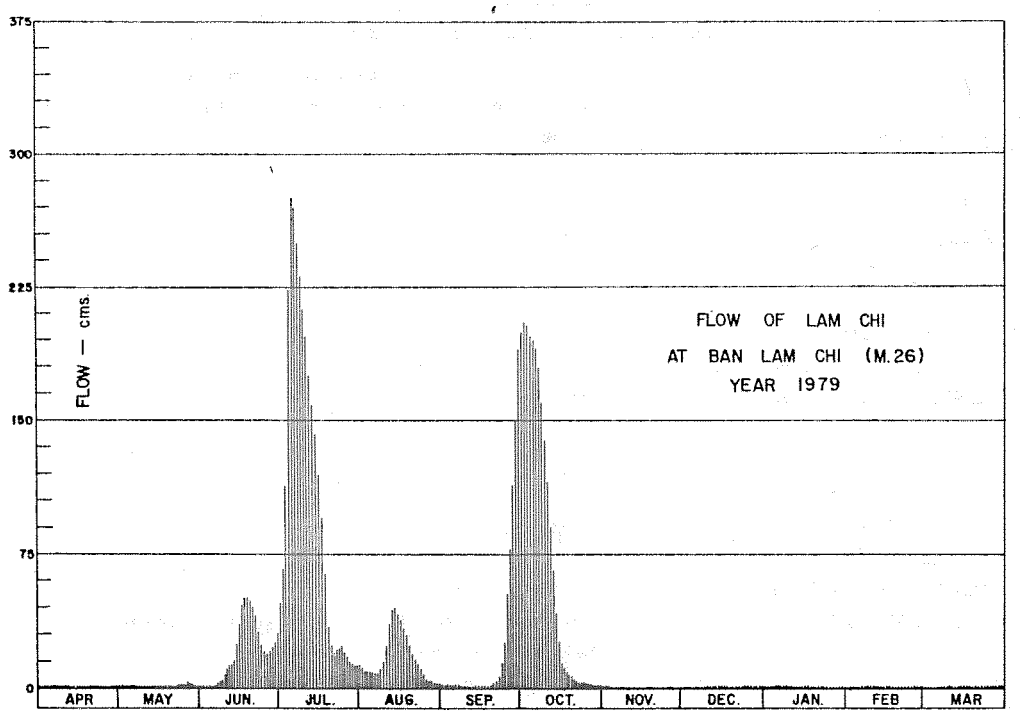
LAM CHI AT BAN LAM CHI, SURIN (M.26)

LOCATION	LAT. 14°-54'-03" N., LONG. 103°-24'-21" E., ON LEFT BANK AT RAILWAY BRIDGE, BAN LAM CHI, AMPHOE MUANG, SURIN.
DRAINAGE AREA	2,927 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+127.00 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+135.010 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1954 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 164 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	127.46	127.50	127.81	131.54	129.61	127.99	135.87	128.12	127.59	127.53	127.49	127.52	
2	127.46	127.50	127.78	133.00	129.44	127.95	135.90	128.08	127.63	127.55	127.49	127.50	
3	127.44	127.57	127.76	134.70	129.29	127.90	135.88	128.03	127.62	127.54	127.49	127.49	
4	127.45	127.59	127.78	135.74	129.29	127.93	135.84	127.97	127.58	127.55	127.53	127.49	
5	127.46	127.63	127.84	136.32	129.27	127.93	135.82	127.87	127.61	127.55	127.52	127.48	
6	127.47	127.58	127.94	136.47	129.19	127.88	135.80	127.84	127.59	127.54	127.50	127.46	
7	127.46	127.54	128.24	136.41	129.20	127.91	135.73	127.81	127.60	127.54	127.50	127.46	
8	127.46	127.53	128.51	136.28	129.28	127.92	135.59	127.81	127.54	127.53	127.52	127.46	
9	127.45	127.53	128.63	136.13	129.51	127.91	135.36	127.80	127.63	127.52	127.54	127.46	
10	127.45	127.50	129.13	135.96	130.08	127.82	135.00	127.75	127.61	127.55	127.53	127.46	
11	127.45	127.49	129.53	135.79	130.88	127.81	134.46	127.77	127.58	127.56	127.52	127.46	
12	127.45	127.50	129.63	135.64	131.48	127.80	133.80	127.82	127.58	127.55	127.51	127.45	
13	127.45	127.50	129.67	135.48	131.73	127.83	132.95	127.79	127.58	127.55	127.50	127.47	
14	127.52	127.49	130.21	135.29	131.72	127.85	131.89	127.74	127.61	127.56	127.48	127.47	
15	127.56	127.49	131.09	135.04	131.61	127.90	130.79	127.75	127.70	127.62	127.47	127.47	
16	127.55	127.49	131.70	134.61	131.45	127.92	130.02	127.69	127.64	127.59	127.46	127.47	
17	127.52	127.49	131.96	133.96	131.23	127.92	129.66	127.69	127.61	127.53	127.48	127.47	
18	127.59	127.53	132.02	133.05	130.95	127.89	129.41	127.68	127.58	127.54	127.50	127.46	
19	127.58	127.67	132.02	131.97	130.65	127.95	129.21	127.73	127.57	127.54	127.57	127.46	
20	127.52	127.72	131.88	131.06	130.36	128.30	129.02	127.70	127.57	127.52	127.54	127.47	
21	127.50	127.75	131.65	130.50	130.11	128.61	128.87	127.67	127.54	127.52	127.50	127.48	
22	127.50	127.90	131.30	130.23	129.88	128.82	128.73	127.66	127.58	127.52	127.54	127.46	
23	127.50	127.99	130.91	130.33	129.65	129.14	128.61	127.60	127.56	127.52	127.56	127.46	
24	127.50	127.86	130.56	130.45	129.38	130.13	128.52	127.65	127.55	127.51	127.56	127.45	
25	127.50	127.87	130.35	130.49	129.10	131.39	128.46	127.60	127.55	127.51	127.52	127.44	
26	127.49	128.50	130.24	130.27	128.81	132.39	128.39	127.62	127.60	127.52	127.53	127.43	
27	127.51	128.32	130.21	129.98	128.59	133.59	128.31	127.66	127.60	127.52	127.53	127.43	
28	127.50	128.11	130.48	129.75	128.44	134.73	128.27	127.65	127.57	127.62	127.56	127.42	
29	127.48	127.98	130.64	129.64	128.24	135.43	128.23	127.63	127.56	127.50	127.54	127.41	
30	127.50	127.92	130.94	129.61	128.08	135.77	128.13	127.62	127.55	127.49		127.44	
31		127.94		129.65	128.00		128.11		127.53	127.49		127.48	
MEAN	127.49	127.71	129.95	133.08	129.82	129.28	131.63	127.76	127.59	127.54	127.52	127.46	
MAX	127.59	128.50	132.02	136.47	131.73	135.77	135.90	128.12	127.70	127.62	127.57	127.52	136.47
MIN	127.44	127.49	127.76	129.61	128.00	127.80	128.11	127.60	127.53	127.49	127.46	127.41	127.41

ANNUAL MAX MOMENTARY GAGE HEIGHT 136.48 M (MSL), AT 18.00 HOURS, ON JUL 6, 1979
ZERO GAGE AT BOTTOM ELEVATION 127.00 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 2927 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.03	0.05	0.74	41.30	12.90	1.46	201.70	1.98	0.10	0.07	0.04	0.06	
2	0.03	0.05	0.62	67.75	11.20	1.30	205.00	1.82	0.16	0.07	0.04	0.05	
3	0.02	0.09	0.54	119.00	9.70	1.10	202.80	1.62	0.14	0.07	0.04	0.04	
4	0.03	0.10	0.62	188.00	9.70	1.22	198.40	1.38	0.09	0.07	0.07	0.04	
5	0.03	0.16	0.86	255.87	9.50	1.22	196.20	0.98	0.12	0.07	0.06	0.04	
6	0.03	0.09	1.26	275.80	8.70	1.02	194.00	0.86	0.10	0.07	0.05	0.03	
7	0.03	0.07	2.46	267.40	8.80	1.14	187.00	0.74	0.10	0.07	0.05	0.03	
8	0.03	0.07	3.54	250.80	9.60	1.18	175.20	0.74	0.07	0.07	0.06	0.03	
9	0.03	0.07	4.05	231.80	11.90	1.14	157.20	0.70	0.16	0.06	0.07	0.03	
10	0.03	0.05	8.10	211.60	17.96	0.78	135.00	0.50	0.12	0.07	0.07	0.03	
11	0.03	0.04	12.10	193.00	29.20	0.74	109.40	0.58	0.09	0.08	0.06	0.03	
12	0.03	0.05	13.10	179.20	40.19	0.70	85.00	0.78	0.09	0.07	0.06	0.03	
13	0.03	0.05	13.50	166.40	44.80	0.82	66.87	0.66	0.09	0.07	0.05	0.03	
14	0.06	0.04	19.53	152.40	44.62	0.90	47.75	0.46	0.12	0.08	0.04	0.03	
15	0.08	0.04	33.00	137.40	42.59	1.10	27.85	0.50	0.30	0.14	0.03	0.03	
16	0.07	0.04	44.25	115.40	39.64	1.18	17.24	0.28	0.18	0.10	0.03	0.03	
17	0.06	0.04	49.04	90.76	35.58	1.18	13.40	0.28	0.12	0.07	0.04	0.03	
18	0.10	0.07	50.15	68.62	30.42	1.06	10.90	0.26	0.09	0.07	0.05	0.03	
19	0.09	0.24	50.15	49.23	25.75	1.30	8.90	0.42	0.09	0.07	0.09	0.03	
20	0.06	0.38	47.57	32.45	21.48	2.70	7.00	0.30	0.09	0.06	0.07	0.03	
21	0.05	0.50	43.33	23.50	18.32	3.95	5.56	0.24	0.07	0.06	0.05	0.04	
22	0.05	1.10	36.87	19.79	15.60	5.16	4.58	0.22	0.09	0.06	0.07	0.03	
23	0.05	1.46	29.68	21.09	13.30	8.20	3.95	0.10	0.08	0.06	0.08	0.03	
24	0.05	0.94	24.40	22.75	10.60	18.56	3.58	0.20	0.07	0.06	0.08	0.03	
25	0.05	0.98	21.35	23.35	7.80	38.53	3.34	0.10	0.07	0.06	0.06	0.02	
26	0.04	3.50	19.92	20.31	5.08	56.97	3.06	0.14	0.10	0.06	0.07	0.01	
27	0.06	2.78	19.53	16.76	3.86	78.08	2.74	0.22	0.10	0.06	0.07	0.01	
28	0.05	1.94	23.20	14.30	3.26	120.50	2.58	0.20	0.09	0.14	0.08	0.01	
29	0.04	1.42	25.60	13.20	2.46	162.40	2.42	0.16	0.08	0.05	0.07	0.00	
30	0.05	1.18	30.24	12.90	1.82	191.00	2.02	0.14	0.07	0.04		0.02	
31		1.26		13.30	1.50		1.94		0.07	0.04		0.04	
TOTAL	1.39	18.85	629.30	3295.43	547.83	706.59	2282.58	17.56	3.31	2.19	1.70	0.92	7507.64 CMSDAY
MEAN	0.05	0.61	20.98	106.30	17.67	23.55	73.63	0.59	0.11	0.07	0.06	0.03	20.51 CMS
MAX	0.10	3.50	50.15	275.80	44.80	191.00	205.00	1.98	0.30	0.14	0.09	0.06	275.80 CMS
MIN	0.02	0.04	0.54	12.90	1.50	0.70	1.94	0.10	0.07	0.04	0.03	0.00	0.00 CMS
RUNOFF	0.120	1.629	54.371	284.725	47.332	61.049	197.214	1.517	0.286	0.189	0.147	0.079	648.660 MCM

MOMENTARY PEAK 277.20 CMS, AT 136.48 M (MSL), AT 18.00 HOURS, ON JUL 6, 1979

RUNOFF YIELD 7.01 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 94.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM SE BAI AT BAN NONG RUA, YASOTHON (M.32)

LOCATION — LAT. 15°-50'-20" N., LONG. 104°-27'-35" E., ON RIGHT BANK ABOUT 25 METERS UPSTREAM FROM PHAWAPHUTANON BRIDGE, TAMBON PHO SAI, AMPHOE KHAM KHUAN KAEO, YASOTHON.

DRAINAGE AREA — 1,654 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +119.90 M. (M.S.L.)

BENCH MARK — B.M.-H.S./R.I.D.

LOCATION — ON RIGHT BANK NEAR THE GAGE SITE.

ELEVATION — +128.102 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1954-1962, 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965-1973

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

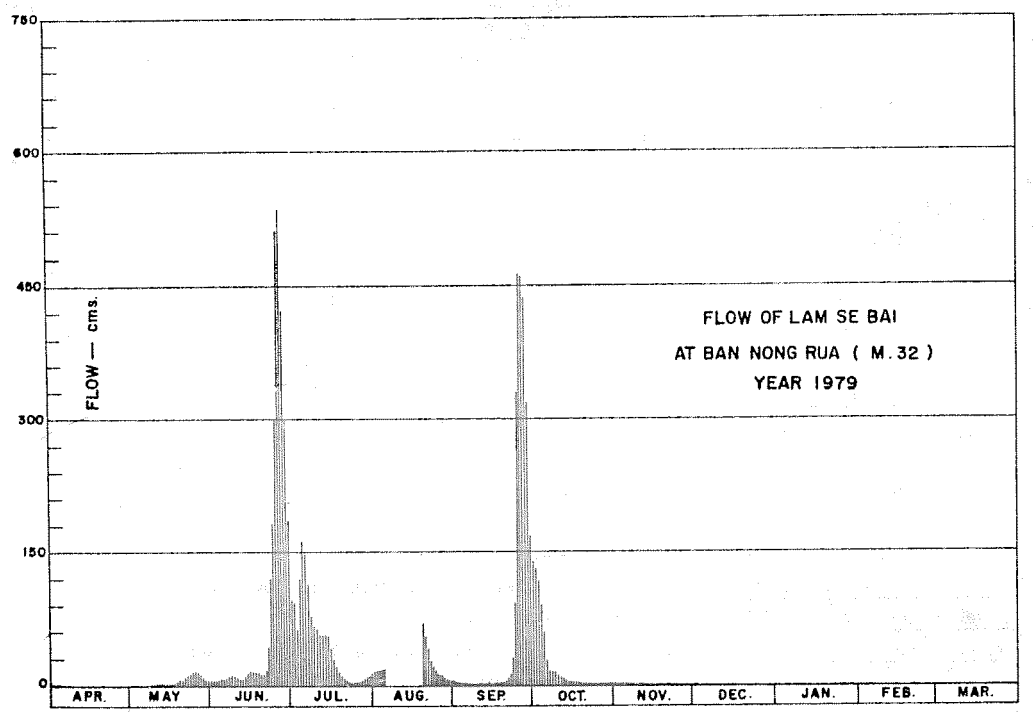
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 62 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

REMARKS — NO GAGE HEIGHT RECORDS DURING AUG 6-19,1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	120.06	120.08	121.26	124.47	122.46	121.22	124.90	120.50	120.38	120.16	120.20	120.08	
2	120.06	120.18	121.25	124.43	122.52	121.15	124.80	120.50	120.31	120.16	120.19	120.08	
3	120.06	120.22	121.39	124.04	122.60	121.11	124.66	120.48	120.31	120.16	120.19	120.06	
4	120.05	120.25	121.65	124.71	122.72	121.12	124.36	120.46	120.31	120.16	120.19	120.06	
5	120.05	120.24	121.62	125.10	122.72	121.07	123.97	120.45	120.30	120.16	120.17	120.06	
6	120.05	120.20	121.62	125.01	******	121.01	123.34	120.45	120.27	120.16	120.17	120.06	
7	120.04	120.50	121.80	124.61	******	120.93	122.57	120.44	120.27	120.18	120.17	120.04	
8	120.04	120.50	122.11	124.27	******	120.87	122.56	120.44	120.27	120.18	120.17	120.04	
9	120.04	120.47	122.29	124.14	******	120.84	122.46	120.44	120.27	120.18	120.17	120.04	
10	120.03	120.45	121.95	124.11	******	120.78	122.23	120.44	120.25	120.18	120.15	120.04	
11	120.03	120.44	121.61	124.02	******	120.75	121.99	120.44	120.25	120.18	120.15	120.04	
12	120.03	120.45	121.42	123.96	******	120.70	121.72	120.42	120.25	120.19	120.15	120.04	
13	120.01	120.47	121.85	123.97	******	120.65	121.50	120.42	120.25	120.19	120.15	120.04	
14	120.02	120.49	122.37	123.96	******	120.60	121.00	120.42	120.25	120.19	120.13	120.01	
15	120.01	120.49	122.59	123.89	******	120.55	120.98	120.40	120.23	120.20	120.13	120.01	
16	120.00	120.52	122.59	123.65	******	120.51	120.94	120.40	120.23	120.20	120.13	120.01	
17	120.00	120.57	122.60	123.22	******	120.52	120.90	120.40	120.23	120.20	120.13	120.01	
18	119.98	120.96	122.49	122.75	******	120.55	120.80	120.40	120.20	120.20	120.13	119.99	
19	119.98	121.55	122.29	122.14	******	120.71	120.76	120.38	120.20	120.21	120.12	119.99	
20	119.98	121.44	122.18	121.77	124.15	121.12	120.76	120.38	120.20	120.21	120.12	119.99	
21	119.96	121.40	122.43	121.36	123.92	121.67	120.68	120.38	120.20	120.22	120.12	119.98	
22	119.94	121.90	123.46	121.08	123.65	122.30	120.68	120.38	120.20	120.22	120.12	119.98	
23	119.94	122.27	124.67	120.92	123.06	123.03	120.65	120.36	120.20	120.22	120.10	119.96	
24	119.92	122.39	125.04	120.86	122.90	124.01	120.65	120.36	120.20	120.22	120.10	119.96	
25	119.92	122.71	125.90	120.83	122.45	125.61	120.59	120.36	120.18	120.21	120.10	119.96	
26	119.90	122.62	126.76	120.85	122.18	126.61	120.56	120.36	120.18	120.21	120.08	119.96	
27	119.90	122.45	126.82	120.97	122.18	126.60	120.55	120.34	120.18	120.21	120.08	119.94	
28	119.90	121.93	126.36	121.16	121.68	126.52	120.52	120.34	120.18	120.21	120.08	119.94	
29	119.90	121.54	125.80	121.45	121.54	125.88	120.52	120.34	120.18	120.21	120.08	119.94	
30	119.90	121.42	125.07	121.82	121.43	125.16	120.52	120.33	120.18	120.20		119.94	
31		121.37		122.17	121.34		120.50		120.18	120.20		119.94	
MEAN	119.99	121.05	123.04	122.96	******	122.14	121.73	120.41	120.24	120.19	120.14	120.01	
MAX	120.06	122.71	126.82	125.10	124.15	126.61	124.90	120.50	120.38	120.22	120.20	120.08	126.82
MIN	119.90	120.08	121.25	120.83	******	120.51	120.50	120.33	120.18	120.16	120.08	119.94	******

ANNUAL MAX MOMENTARY GAGE HEIGHT 126.82 M (MSL), AT 1.00 HOURS, ON JUN 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 119.90 M (MSL), RIVER BED 117.28 M (MSL)
LEFT BANK ELEVATION 130.18 M (MSL)
RIGHT BANK ELEVATION 130.16 M (MSL), DRAINAGE AREA 1654 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.32	5.46	97.30	15.20	5.22	140.00	2.00	1.52	0.64	0.80	0.32	
2	0.24	0.72	5.40	93.70	15.82	4.80	130.00	2.00	1.24	0.64	0.76	0.32	
3	0.24	0.88	6.24	62.80	16.70	4.56	116.00	1.92	1.24	0.64	0.76	0.24	
4	0.20	1.00	7.95	121.00	18.04	4.62	87.40	1.84	1.24	0.64	0.76	0.24	
5	0.20	0.96	7.74	163.00	18.04	4.35	58.20	1.80	1.20	0.64	0.68	0.24	
6	0.20	0.80	7.74	152.20	*****	4.05	29.52	1.80	1.08	0.64	0.68	0.24	
7	0.16	2.00	9.10	111.00	*****	3.72	16.37	1.76	1.08	0.72	0.68	0.16	
8	0.16	2.00	11.89	79.60	*****	3.48	16.26	1.76	1.08	0.72	0.68	0.16	
9	0.16	1.88	13.51	69.80	*****	3.28	15.20	1.76	1.08	0.72	0.68	0.16	
10	0.12	1.80	10.45	67.70	*****	3.12	12.97	1.76	1.00	0.72	0.60	0.16	
11	0.12	1.76	7.67	61.40	*****	3.00	10.81	1.76	1.00	0.72	0.60	0.16	
12	0.12	1.80	6.42	57.60	*****	2.80	8.46	1.68	1.00	0.76	0.60	0.16	
13	0.04	1.88	9.55	58.20	*****	2.60	6.90	1.68	1.00	0.76	0.60	0.16	
14	0.08	1.96	14.30	57.60	*****	2.40	4.00	1.68	1.00	0.76	0.52	0.04	
15	0.04	1.96	16.59	53.50	*****	2.20	3.92	1.60	0.92	0.80	0.52	0.04	
16	0.00	2.08	16.59	41.50	*****	2.04	3.76	1.60	0.92	0.80	0.52	0.04	
17	0.00	2.28	16.70	26.20	*****	2.08	3.60	1.60	0.92	0.80	0.52	0.04	
18	0.00	3.84	15.50	18.40	*****	2.20	3.20	1.60	0.80	0.80	0.52	0.00	
19	0.00	7.25	13.51	12.16	*****	2.84	3.04	1.52	0.80	0.84	0.48	0.00	
20	0.00	6.54	12.52	8.86	70.50	4.62	3.04	1.52	0.80	0.84	0.48	0.00	
21	0.00	6.30	14.90	6.06	55.20	8.09	2.72	1.52	0.80	0.88	0.48	0.00	
22	0.00	10.00	33.60	4.40	41.50	13.60	2.72	1.52	0.80	0.88	0.48	0.00	
23	0.00	13.33	117.00	3.68	22.90	22.30	2.60	1.44	0.80	0.88	0.40	0.00	
24	0.00	14.50	155.80	3.44	20.30	60.70	2.60	1.44	0.80	0.88	0.40	0.00	
25	0.00	17.92	281.00	3.32	15.10	230.60	2.36	1.44	0.72	0.84	0.40	0.00	
26	0.00	16.92	512.80	3.44	12.52	464.20	2.24	1.44	0.72	0.84	0.32	0.00	
27	0.00	15.10	532.80	3.88	12.52	461.00	2.20	1.36	0.72	0.84	0.32	0.00	
28	0.00	10.27	388.80	4.86	8.16	441.00	2.08	1.36	0.72	0.84	0.32	0.00	
29	0.00	7.18	263.00	6.60	7.18	277.40	2.08	1.36	0.72	0.84	0.32	0.00	
30	0.00	6.42	159.40	9.28	6.48	170.20	2.08	1.32	0.72	0.80		0.00	
31		6.12		12.43	5.94		2.00		0.72	0.80		0.00	
TOTAL	2.32	167.77	2673.93	1474.91	*****	2217.07	698.33	48.84	29.16	23.92	15.88	2.88	******** CMSDAY
MEAN	0.08	5.41	89.13	47.58	*****	73.90	22.53	1.63	0.94	0.77	0.55	0.09	******* CMS
MAX	0.24	17.92	532.80	163.00	70.50	464.20	140.00	2.00	1.52	0.88	0.80	0.32	532.80 CMS
MIN	0.00	0.32	5.40	3.32	*****	2.04	2.00	1.32	0.72	0.64	0.32	0.00	******* CMS
RUNOFF	0.200	14.495	231.027	127.432	*****	191.555	60.336	4.220	2.519	2.067	1.372	0.249	******** MCM

MOMENTARY PEAK 532.80 CMS, AT 126.82 M (MSL), AT 1.00 HOURS, ON JUN 27, 1979
RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 322.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM SIEO NOI AT BAN YANG LOENG, ROI ET (M.35)

LOCATION — LAT. 15°-38'-49" N., LONG. 103°-45'-00" E., ON RIGHT BANK AT THE HIGHWAY BRIDGE, TAMBON SUNG YANG, AMPHOE SUWANNAPHUM, ROI ET.

DRAINAGE AREA — 672 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

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

ELEVATION — +4.786 M. (A.D.)

GAGE READING FREQUENCY — 3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971-1974, 1979 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1971-1974, 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

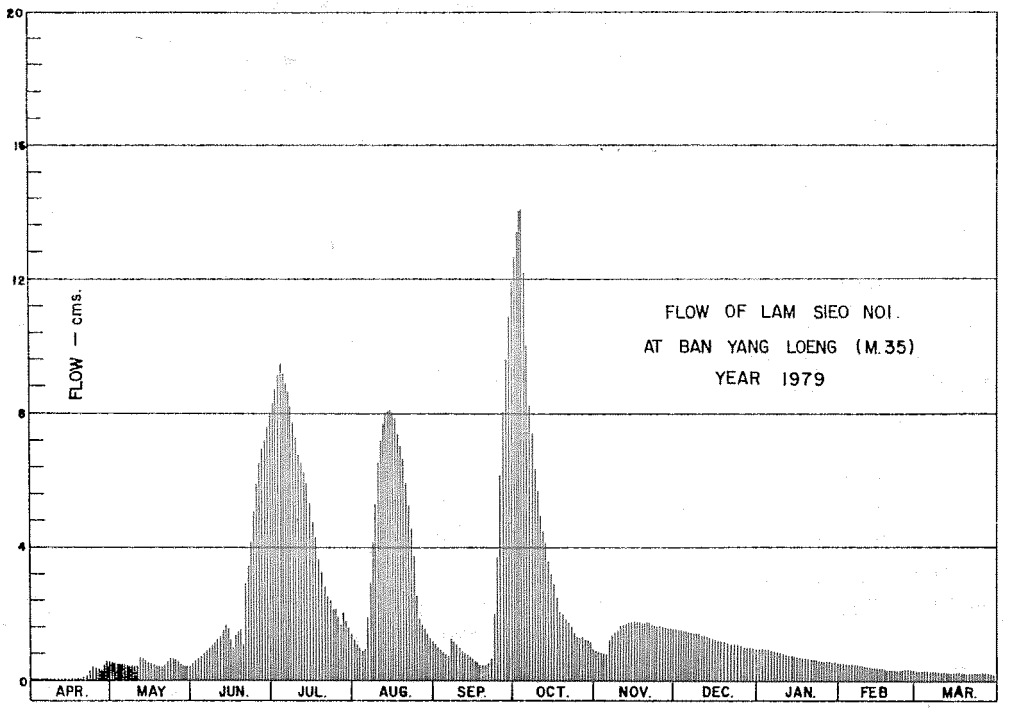
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 8 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.36	0.79	0.81	2.00	1.07	1.20	2.30	1.12	1.13	0.96	0.78	0.62	
2	0.36	0.78	0.84	2.04	1.03	1.16	2.37	1.09	1.13	0.96	0.77	0.61	
3	0.35	0.77	0.86	2.08	1.00	1.12	2.41	1.08	1.12	0.95	0.77	0.61	
4	0.34	0.76	0.88	2.10	0.96	1.08	2.42	1.06	1.12	0.95	0.76	0.60	
5	0.33	0.76	0.90	2.08	0.94	1.04	2.39	1.04	1.12	0.94	0.76	0.59	
6	0.32	0.75	0.96	2.06	1.00	1.01	2.35	1.05	1.11	0.93	0.75	0.58	
7	0.31	0.74	0.98	2.03	1.28	1.06	2.29	1.07	1.11	0.93	0.75	0.57	
8	0.30	0.73	1.00	1.99	1.32	1.05	2.24	1.11	1.10	0.92	0.74	0.56	
9	0.30	0.74	1.02	1.96	1.49	1.02	2.17	1.13	1.10	0.91	0.73	0.56	
10	0.28	0.73	1.04	1.92	1.82	0.99	2.11	1.15	1.09	0.91	0.73	0.55	
11	0.28	0.73	1.07	1.88	1.91	0.96	2.04	1.16	1.08	0.90	0.72	0.55	
12	0.28	0.86	1.11	1.85	1.95	0.93	1.97	1.17	1.08	0.89	0.71	0.54	
13	0.27	0.85	1.18	1.83	1.98	0.91	1.90	1.18	1.07	0.89	0.71	0.56	
14	0.26	0.82	1.16	1.79	1.99	0.89	1.83	1.18	1.06	0.88	0.70	0.55	
15	0.25	0.79	1.11	1.74	1.99	0.86	1.76	1.18	1.06	0.88	0.69	0.55	
16	0.25	0.77	0.99	1.68	1.98	0.84	1.73	1.19	1.05	0.87	0.68	0.56	
17	0.25	0.75	1.01	1.61	1.96	0.81	1.68	1.19	1.05	0.87	0.68	0.56	
18	0.24	0.73	1.08	1.56	1.93	0.79	1.59	1.19	1.04	0.86	0.67	0.55	
19	0.24	0.72	1.14	1.50	1.89	0.77	1.51	1.18	1.04	0.85	0.67	0.55	
20	0.23	0.70	1.30	1.44	1.84	0.77	1.47	1.18	1.03	0.85	0.66	0.54	
21	0.27	0.71	1.44	1.40	1.79	0.78	1.44	1.18	1.03	0.84	0.65	0.55	
22	0.27	0.77	1.51	1.36	1.72	0.82	1.41	1.18	1.02	0.84	0.65	0.55	
23	0.57	0.82	1.60	1.33	1.65	0.91	1.38	1.17	1.02	0.83	0.64	0.55	
24	0.58	0.86	1.73	1.29	1.58	1.24	1.32	1.17	1.01	0.82	0.64	0.54	
25	0.68	0.85	1.81	1.29	1.52	1.56	1.29	1.16	1.01	0.82	0.63	0.54	
26	0.67	0.83	1.86	1.23	1.48	1.82	1.28	1.16	1.00	0.81	0.64	0.53	
27	0.66	0.78	1.89	1.18	1.41	1.99	1.28	1.15	0.99	0.81	0.64	0.52	
28	0.65	0.74	1.91	1.25	1.36	2.11	1.26	1.15	0.98	0.80	0.63	0.51	
29	0.78	0.73	1.95	1.21	1.32	2.19	1.23	1.14	0.98	0.80	0.62	0.50	
30	0.79	0.73	1.98	1.16	1.29	2.25	1.23	1.14	0.97	0.79		0.50	
31		0.77		1.12	1.24		1.18		0.97	0.78		0.50	
MEAN	0.39	0.77	1.27	1.64	1.54	1.16	1.77	1.14	1.05	0.87	0.70	0.55	
MAX	0.79	0.86	1.98	2.10	1.99	2.25	2.42	1.19	1.13	0.96	0.78	0.62	2.42
MIN	0.23	0.70	0.81	1.12	0.94	0.77	1.18	1.04	0.97	0.78	0.62	0.50	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.42 M (A.D), AT 18.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.24 M (A.D)
LEFT BANK ELEVATION 4.43 M (A.D)
RIGHT BANK ELEVATION 4.41 M (A.D), DRAINAGE AREA 672 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.53	0.57	8.25	1.29	1.10	12.20	0.94	1.52	0.95	0.52	0.28	
2	0.06	0.52	0.65	8.75	1.15	1.02	13.18	0.88	1.52	0.95	0.50	0.26	
3	0.05	0.50	0.70	9.25	1.05	0.94	13.74	0.86	1.48	0.92	0.50	0.26	
4	0.04	0.49	0.75	9.50	0.95	0.86	13.89	0.82	1.48	0.92	0.49	0.25	
5	0.04	0.49	0.80	9.25	0.90	0.78	11.63	0.78	1.48	0.90	0.49	0.24	
6	0.03	0.47	0.95	9.00	1.05	0.72	10.15	1.22	1.44	0.87	0.47	0.23	
7	0.03	0.46	1.00	8.62	2.20	1.26	8.13	1.29	1.44	0.87	0.47	0.22	
8	0.02	0.44	1.05	8.13	2.42	1.22	7.28	1.44	1.40	0.85	0.46	0.21	
9	0.02	0.46	1.12	7.77	3.44	1.12	6.25	1.52	1.40	0.82	0.44	0.21	
10	0.02	0.44	1.19	7.29	6.25	1.02	5.56	1.60	1.36	0.82	0.44	0.20	
11	0.02	0.44	1.29	6.85	7.17	0.95	4.94	1.64	1.33	0.80	0.43	0.20	
12	0.01	0.70	1.44	6.55	7.65	0.87	4.40	1.68	1.33	0.77	0.41	0.19	
13	0.01	0.67	1.72	6.35	8.01	0.82	3.95	1.72	1.29	0.77	0.41	0.21	
14	0.01	0.60	1.64	5.95	8.13	0.77	3.53	1.72	1.26	0.75	0.40	0.20	
15	0.01	0.53	1.44	5.45	8.13	0.70	3.15	1.72	1.26	0.75	0.38	0.20	
16	0.01	0.50	1.02	4.89	8.01	0.65	3.00	1.76	1.22	0.72	0.37	0.21	
17	0.01	0.47	1.08	4.33	7.77	0.57	2.76	1.76	1.22	0.72	0.37	0.21	
18	0.01	0.44	1.33	3.95	7.41	0.53	2.36	1.76	1.19	0.70	0.35	0.20	
19	0.01	0.43	1.56	3.50	6.95	0.50	2.04	1.72	1.19	0.67	0.35	0.20	
20	0.01	0.40	1.15	3.14	6.45	0.50	1.91	1.72	1.15	0.67	0.34	0.19	
21	0.01	0.41	3.14	2.90	5.95	0.52	1.82	1.72	1.15	0.65	0.32	0.20	
22	0.01	0.47	3.57	2.66	5.25	0.60	1.73	1.72	1.12	0.65	0.32	0.20	
23	0.22	0.60	4.25	2.48	4.65	0.82	1.64	1.68	1.12	0.62	0.31	0.20	
24	0.37	0.70	5.35	2.25	4.10	2.00	1.46	1.68	1.08	0.60	0.31	0.19	
25	0.37	0.67	6.15	2.25	3.65	3.95	1.34	1.64	1.08	0.60	0.29	0.19	
26	0.35	0.62	6.65	1.95	1.94	6.29	1.34	1.64	1.05	0.57	0.31	0.18	
27	0.34	0.52	6.95	1.72	1.73	8.13	1.34	1.60	1.02	0.57	0.31	0.17	
28	0.32	0.46	7.17	2.05	1.58	9.63	1.28	1.60	1.00	0.55	0.29	0.16	
29	0.52	0.44	7.65	1.85	1.46	10.67	1.19	1.56	1.00	0.55	0.28	0.15	
30	0.53	0.44	8.01	1.64	1.34	11.50	1.19	1.56	0.97	0.53		0.15	
31		0.47		1.48	1.22		1.06		0.97	0.52		0.15	
TOTAL	3.52	15.78	81.34	160.00	129.25	71.01	149.44	44.95	38.52	22.60	11.33	6.31	734.05 CMSDAY
MEAN	0.12	0.51	2.71	5.16	4.17	2.37	4.82	1.50	1.24	0.73	0.39	0.20	2.01 CMS
MAX	0.53	0.70	8.01	9.50	8.13	11.50	13.89	1.76	1.52	0.95	0.52	0.28	13.89 CMS
MIN	0.01	0.40	0.57	1.48	0.90	0.50	1.06	0.78	0.97	0.52	0.28	0.15	0.01 CMS
RUNOFF	0.304	1.363	7.028	13.824	11.167	6.135	12.912	3.884	3.328	1.953	0.979	0.545	63.422 MCM

MOMENTARY PEAK 13.89 CMS, AT 13.89 M (A.D), AT 18.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 2.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 20.67 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

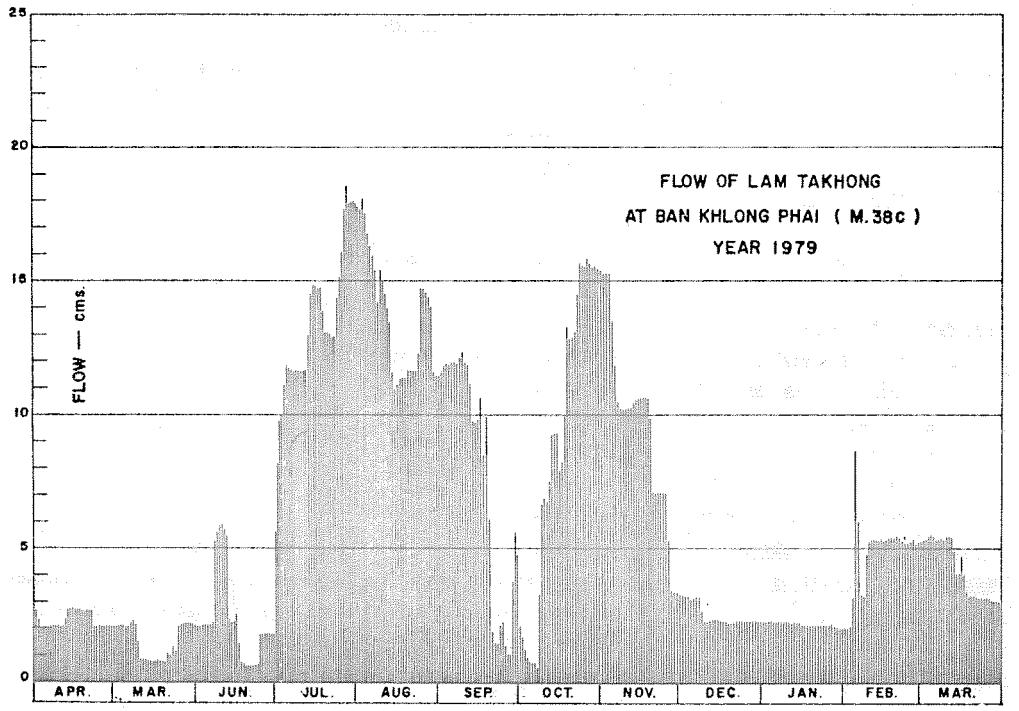
LAM TAKHONG AT BAN KHLONG PHAI, NAKHON RATCHASIMA (M.38C)

LOCATION	LAT. 14°-52'-06" N., LONG. 101°-33'-53" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM FROM LAM TAKHONG DAM, TAMBON KHLONG PHAI, AMPHOE SIKHIU, NAKHON RATCHASIMA.
DRAINAGE AREA	1,292 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+242.00 M. (M.S.L.)
BENCH MARK	B.M.-M.S.
LOCATION	ON LEFT BANK ALONG THE MEASURING LINE.
ELEVATION	+251.841 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962-1965, 1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962-1965, 1967 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 41 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY LAM TAKHONG RESERVOIR DIVERTED FOR IRRIGATION OF ABOUT 62,080 HECTARES.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	244.46	244.37	244.37	244.80	245.86	245.36	244.51	245.68	244.53	244.40	244.37	244.76	
2	244.41	244.37	244.37	245.21	245.85	245.37	244.36	245.67	244.53	244.40	244.37	244.77	
3	244.36	244.38	244.38	245.23	245.87	245.39	244.28	245.67	244.53	244.40	244.38	244.77	
4	244.36	244.38	244.38	245.33	245.83	245.39	244.21	245.67	244.53	244.40	244.54	244.79	
5	244.36	244.37	244.38	245.39	245.77	245.39	244.17	245.59	244.52	244.40	245.11	244.79	
6	244.36	244.37	244.38	245.38	245.72	245.39	244.15	245.44	244.53	244.40	244.82	244.77	
7	244.37	244.39	244.41	245.37	245.71	245.40	244.16	245.29	244.53	244.40	244.53	244.77	
8	244.37	244.40	244.77	245.37	245.69	245.39	244.11	245.27	244.53	244.40	244.53	244.77	
9	244.37	244.38	244.82	245.37	245.58	245.43	244.55	245.25	244.46	244.40	244.70	244.77	
10	244.37	244.29	244.83	245.37	245.67	245.40	244.92	245.25	244.40	244.40	244.77	244.78	
11	244.37	244.17	244.83	245.37	245.63	245.39	244.93	245.25	244.40	244.40	244.77	244.78	
12	244.38	244.18	244.81	245.37	245.58	245.39	244.92	245.26	244.41	244.40	244.77	244.78	
13	244.46	244.17	244.42	245.44	245.51	245.33	245.03	245.26	244.41	244.40	244.77	244.74	
14	244.46	244.17	244.39	245.60	245.32	245.21	245.17	245.28	244.41	244.40	244.77	244.62	
15	244.46	244.16	244.39	245.63	245.31	245.21	245.17	245.29	244.41	244.39	244.77	244.63	
16	244.46	244.16	244.44	245.63	245.33	245.22	245.17	245.29	244.41	244.38	244.77	244.71	
17	244.46	244.17	244.35	245.62	245.35	245.29	245.04	245.29	244.41	244.38	244.77	244.62	
18	244.45	244.16	244.15	245.62	245.35	245.10	245.08	245.29	244.40	244.38	244.78	244.53	
19	244.45	244.16	244.14	245.55	245.35	245.23	245.34	245.29	244.40	244.38	244.78	244.53	
20	244.45	244.16	244.13	245.49	245.37	244.89	245.51	245.18	244.39	244.38	244.78	244.53	
21	244.45	244.22	244.13	245.49	245.37	244.34	245.47	244.95	244.40	244.38	244.78	244.52	
22	244.46	244.20	244.13	245.48	245.37	244.29	245.49	244.95	244.40	244.38	244.78	244.52	
23	244.37	244.26	244.13	245.48	245.37	244.28	245.62	244.95	244.40	244.38	244.76	244.52	
24	244.37	244.22	244.14	245.57	245.44	244.37	245.70	244.95	244.40	244.38	244.76	244.52	
25	244.37	244.37	244.32	245.65	245.62	244.40	245.69	244.95	244.40	244.38	244.75	244.52	
26	244.37	244.38	244.33	245.73	245.62	244.25	245.69	244.95	244.40	244.38	244.76	244.52	
27	244.37	244.38	244.33	245.85	245.61	244.21	245.71	244.69	244.40	244.38	244.77	244.51	
28	244.37	244.38	244.33	245.91	245.60	244.22	245.70	244.55	244.40	244.38	244.76	244.51	
29	244.37	244.38	244.33	245.86	245.56	244.59	245.69	244.54	244.40	244.37	244.76	244.51	
30	244.37	244.38	244.33	245.87	245.36	244.81	245.69	244.54	244.40	244.37		244.51	
31		244.38		245.87	245.35		245.68		244.40	244.37		244.51	
MEAN	244.40	244.29	244.39	245.51	245.54	245.00	245.06	245.18	244.44	244.39	244.71	244.64	
MAX	244.46	244.40	244.83	245.91	245.87	245.43	245.71	245.68	244.53	244.40	245.11	244.79	245.91
MIN	244.36	244.16	244.13	244.80	245.31	244.21	244.11	244.54	244.39	244.37	244.37	244.51	244.11

ANNUAL MAX MOMENTARY GAGE HEIGHT 246.00 M (MSL), AT 5.00 HOURS, ON JUL 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 242.00 M (MSL), RIVER BED 243.64 M (MSL)
LEFT BANK ELEVATION 251.80 M (MSL)
RIGHT BANK ELEVATION 253.16 M (MSL), DRAINAGE AREA 1292 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.72	2.09	2.09	5.60	17.86	11.52	3.08	15.45	3.26	2.30	2.09	5.24	
2	2.37	2.09	2.09	9.77	17.72	11.64	2.62	15.32	3.26	2.30	2.09	5.33	
3	2.02	2.16	2.16	9.99	18.00	11.88	1.48	15.32	3.26	2.30	2.16	5.33	
4	2.02	2.16	2.16	11.16	17.45	11.88	1.06	15.32	3.26	2.30	3.34	5.51	
5	2.02	2.09	2.16	11.88	16.65	11.88	0.84	14.33	3.17	2.30	8.66	5.51	
6	2.02	2.09	2.16	11.76	15.97	11.88	0.73	12.48	3.26	2.30	5.79	5.33	
7	2.09	2.23	2.37	11.64	15.84	12.00	0.78	10.68	3.26	2.30	3.26	5.33	
8	2.09	2.30	5.33	11.64	15.08	11.88	0.51	10.46	3.26	2.30	3.26	5.33	
9	2.09	2.16	5.79	11.64	14.20	12.36	3.42	10.23	2.72	2.30	4.70	5.33	
10	2.09	1.54	5.88	11.64	15.32	12.00	6.75	10.23	2.30	2.30	5.33	5.42	
11	2.09	0.84	5.88	11.64	14.82	11.88	6.85	10.23	2.30	2.30	5.33	5.42	
12	2.16	0.89	5.70	11.64	14.20	11.88	6.75	10.34	2.37	2.30	5.33	5.42	
13	2.72	0.84	2.44	12.48	13.32	11.16	7.85	10.34	2.37	2.30	5.33	5.06	
14	2.72	0.84	2.23	14.45	11.04	9.77	9.32	10.57	2.37	2.30	5.33	4.02	
15	2.72	0.78	2.23	14.82	10.92	9.77	9.32	10.68	2.37	2.23	5.33	4.10	
16	2.72	0.78	2.58	14.82	11.16	9.88	9.32	10.68	2.37	2.16	5.33	4.79	
17	2.72	0.84	1.95	14.70	11.40	10.68	7.95	10.68	2.37	2.16	5.33	4.02	
18	2.65	0.78	0.73	14.70	11.40	8.55	8.35	10.68	2.30	2.16	5.42	3.26	
19	2.65	0.78	0.67	13.82	11.40	9.99	11.28	10.68	2.30	2.16	5.42	3.26	
20	2.65	0.78	0.61	13.08	11.64	6.45	13.32	9.43	2.23	2.16	5.42	3.26	
21	2.65	1.12	0.61	13.08	11.64	1.88	12.84	7.05	2.30	2.16	5.42	3.17	
22	2.72	1.00	0.61	12.96	11.64	1.54	13.08	7.05	2.30	2.16	5.42	3.17	
23	2.09	1.36	0.61	12.96	11.64	1.48	14.70	7.05	2.30	2.16	5.24	3.17	
24	2.09	1.12	0.67	14.07	12.48	2.09	15.70	7.05	2.30	2.16	5.24	3.17	
25	2.09	2.09	1.74	15.08	14.70	2.30	15.57	7.05	2.30	2.16	5.15	3.17	
26	2.09	2.16	1.81	16.10	14.70	1.30	15.57	7.05	2.30	2.16	5.24	3.17	
27	2.09	2.16	1.81	17.72	14.57	1.06	15.84	4.61	2.30	2.16	5.33	3.08	
28	2.09	2.16	1.81	18.54	14.45	1.12	15.70	3.42	2.30	2.16	5.24	3.08	
29	2.09	2.16	1.81	17.86	13.95	3.77	15.57	3.34	2.30	2.09	5.24	3.08	
30	2.09	2.16	1.81	18.00	11.52	5.70	15.57	3.34	2.30	2.09		3.08	
31		2.16		18.00	11.40		15.45		2.30	2.09		3.08	
TOTAL	69.42	48.71	70.50	417.24	428.08	241.17	276.57	291.14	79.66	68.78	141.77	130.69	2263.73 CMSDAY
MEAN	2.31	1.57	2.35	13.46	13.81	8.04	8.92	9.70	2.57	2.22	4.89	4.22	6.19 CMS
MAX	2.72	2.30	5.88	18.54	18.00	12.36	15.84	15.45	3.26	2.30	8.66	5.51	18.54 CMS
MIN	2.02	0.78	0.61	5.60	10.92	1.06	0.51	3.34	2.23	2.09	2.09	3.08	0.51 CMS
RUNOFF	5.998	4.209	6.091	36.049	36.986	20.837	23.896	25.154	6.883	5.943	12.249	11.292	195.586 MCM

MOMENTARY PEAK 19.80 CMS, AT 246.00 M (MSL), AT 5.00 HOURS, ON JUL 28, 1979

RUNOFF YIELD 4.79 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 16.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM SIEO YAI AT KASET WISAI, ROI ET (M.41)

LOCATION — LAT. 15°38'46" N., LONG. 103°33'55" E., ON LEFT BANK AT TAMBON KASET WISAI, AMPHOE KASET WISAI, ROI ET.

DRAINAGE AREA — 1,310 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — AT THE FOOT OF THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +3.119 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971-1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1971-1974

STABILITY OF CHANNEL REGIMES — UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +2.25 M. (A.D.) AND IS INCLUDED

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE DURING 1971-1974.

REMARKS — NO GAGE HEIGHT RECORDS DURING MAY 1-31,1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

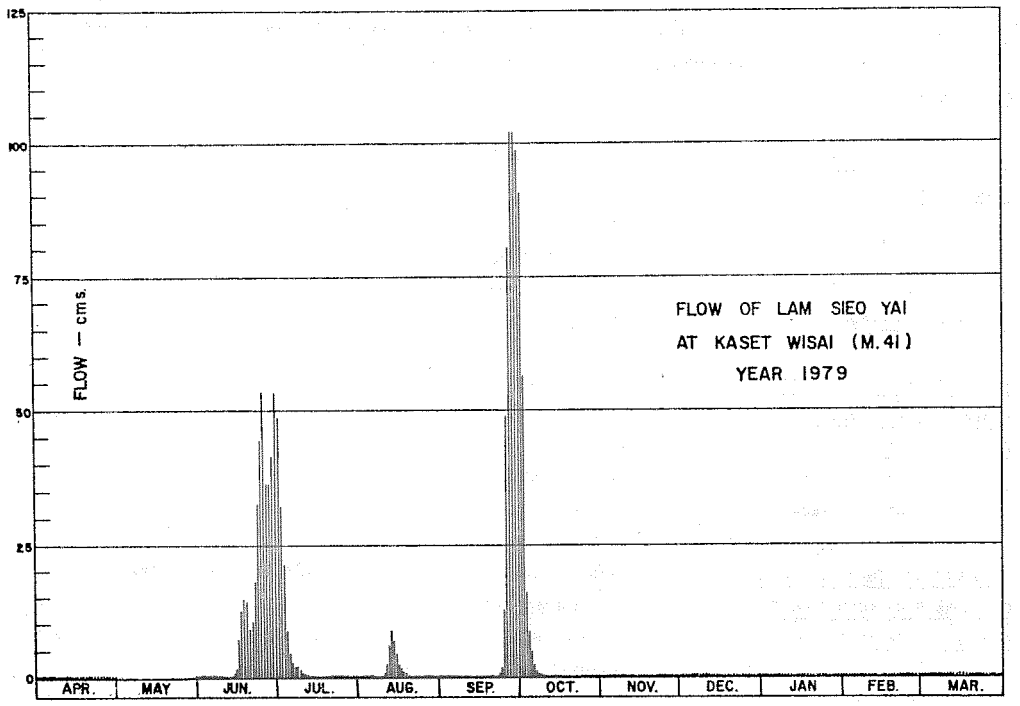
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	*******	1.40	2.72	1.20	1.19	2.84	1.24	1.08	0.98	0.86	0.73	
2	0.71	*******	1.38	2.69	1.19	1.17	2.82	1.24	1.08	0.98	0.86	0.73	
3	0.70	*******	1.36	2.60	1.17	1.15	2.60	1.24	1.07	0.98	0.86	0.73	
4	0.69	*******	1.35	2.46	1.16	1.13	2.40	1.23	1.07	0.98	0.86	0.72	
5	0.69	*******	1.35	2.27	1.16	1.12	2.20	1.21	1.07	0.96	0.85	0.72	
6	0.68	*******	1.37	2.10	1.16	1.10	2.09	1.20	1.06	0.95	0.84	0.71	
7	0.68	*******	1.37	2.01	1.26	1.11	1.92	1.17	1.06	0.95	0.84	0.70	
8	0.67	*******	1.43	1.99	1.33	1.14	1.86	1.16	1.06	0.96	0.83	0.70	
9	0.67	*******	1.47	1.97	1.53	1.21	1.81	1.15	1.06	0.95	0.82	0.69	
10	0.68	*******	1.49	1.93	1.79	1.22	1.78	1.14	1.06	0.95	0.82	0.68	
11	0.68	*******	1.50	1.87	2.03	1.23	1.75	1.12	1.06	0.94	0.81	0.68	
12	0.67	*******	1.58	1.82	2.22	1.21	1.71	1.12	1.05	0.94	0.80	0.68	
13	0.67	*******	1.69	1.76	2.28	1.27	1.66	1.11	1.04	0.94	0.79	0.68	
14	0.66	*******	1.79	1.70	2.23	1.25	1.63	1.10	1.04	0.93	0.78	0.68	
15	0.66	*******	1.92	1.64	2.10	1.20	1.60	1.09	1.04	0.92	0.78	0.68	
16	0.65	*******	2.13	1.59	1.99	1.16	1.54	1.08	1.04	0.92	0.78	0.71	
17	0.65	*******	2.34	1.52	1.90	1.14	1.46	1.08	1.03	0.91	0.78	0.72	
18	0.64	*******	2.41	1.48	1.82	1.12	1.40	1.08	1.03	0.91	0.77	0.72	
19	0.64	*******	2.43	1.43	1.78	1.12	1.37	1.07	1.03	0.90	0.77	0.71	
20	0.63	*******	2.36	1.39	1.73	1.21	1.34	1.07	1.03	0.90	0.76	0.71	
21	0.68	*******	2.25	1.35	1.65	1.49	1.30	1.07	1.03	0.90	0.76	0.71	
22	0.68	*******	2.37	1.31	1.58	1.72	1.27	1.07	1.03	0.90	0.75	0.71	
23	0.68	*******	2.58	1.30	1.52	1.75	1.27	1.07	1.02	0.90	0.75	0.70	
24	0.69	*******	2.69	1.30	1.47	1.95	1.28	1.07	1.01	0.89	0.75	0.70	
25	0.69	*******	2.73	1.29	1.42	2.37	1.28	1.07	1.00	0.88	0.75	0.69	
26	0.69	*******	2.69	1.28	1.40	2.71	1.29	1.07	1.00	0.88	0.75	0.68	
27	0.68	*******	2.65	1.26	1.37	2.82	1.28	1.09	1.00	0.87	0.75	0.68	
28	0.68	*******	2.65	1.25	1.31	2.84	1.28	1.09	1.00	0.87	0.75	0.68	
29	0.72	*******	2.69	1.25	1.28	2.85	1.27	1.09	1.00	0.87	0.75	0.67	
30	0.72	*******	2.73	1.23	1.24	2.85	1.27	1.09	0.99	0.86		0.66	
31		*******		1.21	1.21		1.25		0.99	0.85		0.66	
MEAN	0.68	*******	2.00	1.71	1.56	1.56	1.67	1.12	1.04	0.92	0.79	0.70	
MAX	0.72	*******	2.73	2.72	2.28	2.85	2.84	1.24	1.08	0.98	0.86	0.73	2.85
MIN	0.63	*******	1.35	1.21	1.16	1.10	1.25	1.07	0.99	0.86	0.75	0.66	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.85 M (A.D.), AT 7.00 HOURS, ON SEP 29, 1979

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

LEFT BANK ELEVATION — 3.35 M (A.D.)

RIGHT BANK ELEVATION — 2.24 M (A.D.), DRAINAGE AREA — 1310 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	*******	0.00	50.40	0.00	0.00	96.40	0.00	0.00	0.00	0.00	0.00	
2	0.00	*******	0.00	42.89	0.00	0.00	85.20	0.00	0.00	0.00	0.00	0.00	
3	0.00	*******	0.00	28.40	0.00	0.00	28.40	0.00	0.00	0.00	0.00	0.00	
4	0.00	*******	0.00	17.08	0.00	0.00	13.60	0.00	0.00	0.00	0.00	0.00	
5	0.00	*******	0.00	8.47	0.00	0.00	6.30	0.00	0.00	0.00	0.00	0.00	
6	0.00	*******	0.00	4.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00	0.00	
7	0.00	*******	0.00	2.47	0.00	0.00	1.42	0.00	0.00	0.00	0.00	0.00	
8	0.00	*******	0.00	2.19	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	
9	0.00	*******	0.00	1.97	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	
10	0.00	*******	0.00	1.53	0.47	0.00	0.44	0.00	0.00	0.00	0.00	0.00	
11	0.00	*******	0.00	0.99	2.81	0.00	0.35	0.00	0.00	0.00	0.00	0.00	
12	0.00	*******	0.00	0.64	6.92	0.00	0.23	0.00	0.00	0.00	0.00	0.00	
13	0.00	*******	0.18	0.38	8.78	0.00	0.12	0.00	0.00	0.00	0.00	0.00	
14	0.00	*******	0.47	0.20	7.23	0.00	0.06	0.00	0.00	0.00	0.00	0.00	
15	0.00	*******	1.42	0.08	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	*******	4.69	0.00	2.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	*******	11.08	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	*******	14.18	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	*******	15.34	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	*******	11.92	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	*******	7.85	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	*******	12.34	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	*******	26.60	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	*******	42.89	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	*******	53.35	0.00	0.00	12.34	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	*******	42.89	0.00	0.00	47.45	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	*******	36.45	0.00	0.00	85.20	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	*******	36.45	0.00	0.00	96.40	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	*******	42.89	0.00	0.00	102.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	*******	53.35	0.00	0.00	102.00	0.00	0.00	0.00	0.00		0.00	
31		*******		0.00	0.00		0.00		0.00	0.00		0.00	
TOTAL	0.00	*******	414.34	161.69	35.07	447.75	237.84	0.00	0.00	0.00	0.00	0.00	******** CMSDAY
MEAN	0.00	*******	13.81	5.22	1.13	14.92	7.67	0.00	0.00	0.00	0.00	0.00	******* CMS
MAX	0.00	*******	53.35	50.40	8.78	102.00	96.40	0.00	0.00	0.00	0.00	0.00	102.00 CMS
MIN	0.00	*******	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	******* CMS
RUNOFF	0.000	*******	35.799	13.970	3.030	38.686	20.549	0.000	0.000	0.000	0.000	0.000	******** MCM

MOMENTARY PEAK 102.00 CMS, AT 2.85 M (A.D), AT 7.00 HOURS, ON SEP 29, 1979
RUNOFF YIELD ********* LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 77.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI THAP THAN AT BAN HUAI THAP THAN, SI SA KET (M.42)

LOCATION — LAT. 15°-02'-42" N., LONG. 104°-01'-29" E., ON LEFT BANK AT THE ABUTMENT OF HUAI THAP THAN BRIDGE, AMPHOE UTHUMPHON PHISAI, SI SA KET.

DRAINAGE AREA — 1,794 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK UNDER TAMARIND TREE INFRONT OF THE JOSS HOUSE, ABOUT 120 METERS FROM THE GAGE SITE.

ELEVATION — +9.820 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1972 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1972 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

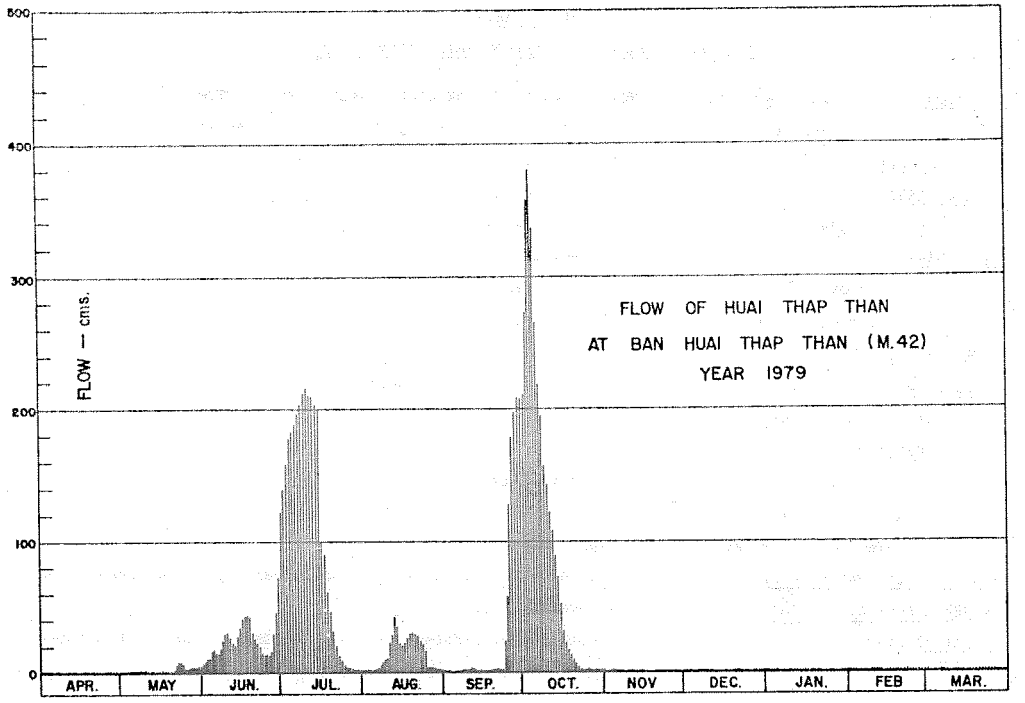
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.72	1.92	7.44	1.14	1.05	8.53	0.94	0.70	0.72	0.72	0.69	
2	0.65	0.70	2.22	7.66	1.10	1.04	9.66	0.93	0.73	0.69	0.70	0.68	
3	0.63	0.70	2.24	7.89	1.10	1.01	10.18	0.95	0.71	0.68	0.72	0.67	
4	0.63	0.70	2.90	8.12	1.10	1.01	10.13	0.94	0.75	0.75	0.72	0.66	
5	0.63	0.70	2.75	8.18	1.08	1.01	9.89	0.93	0.73	0.72	0.72	0.66	
6	0.63	0.71	2.54	8.27	1.08	1.01	9.70	0.93	0.73	0.69	0.72	0.65	
7	0.62	0.71	2.86	8.38	1.89	1.01	9.44	0.91	0.72	0.69	0.72	0.68	
8	0.60	0.71	3.44	8.46	1.90	1.15	9.19	0.90	0.71	0.66	0.72	0.70	
9	0.67	0.73	3.90	8.51	2.19	1.12	8.91	0.87	0.71	0.72	0.71	0.68	
10	0.71	0.71	3.91	8.56	2.55	1.21	8.64	0.86	0.73	0.76	0.72	0.66	
11	0.69	0.62	3.48	8.50	3.41	1.50	8.37	0.80	0.73	0.71	0.71	0.64	
12	0.69	0.60	3.18	8.50	3.92	1.33	8.07	0.79	0.75	0.74	0.71	0.65	
13	0.70	0.80	3.26	8.42	4.72	1.25	7.69	0.72	0.69	0.69	0.71	0.65	
14	0.68	0.80	3.89	8.41	3.77	1.17	7.13	0.78	0.67	0.70	0.69	0.66	
15	0.70	0.80	4.53	8.26	3.22	1.13	6.54	0.82	0.71	0.69	0.67	0.65	
16	0.70	0.78	4.72	8.07	3.16	1.09	5.20	0.82	0.73	0.68	0.67	0.65	
17	0.72	0.69	4.71	7.78	3.53	1.04	4.29	0.83	0.73	0.67	0.67	0.66	
18	0.72	0.80	4.67	7.49	3.71	1.08	3.81	0.81	0.75	0.66	0.67	0.70	
19	0.70	0.88	4.21	6.58	3.90	1.14	3.11	0.79	0.78	0.66	0.65	0.63	
20	0.68	0.90	3.61	5.55	3.90	1.20	2.30	0.77	0.77	0.66	0.66	0.65	
21	0.66	1.29	3.43	4.56	3.78	1.06	1.87	0.76	0.75	0.67	0.67	0.65	
22	0.68	1.93	3.13	3.64	3.60	1.11	1.34	0.75	0.73	0.65	0.67	0.65	
23	0.68	1.89	2.79	2.92	3.24	1.19	1.15	0.74	0.75	0.65	0.67	0.74	
24	0.66	1.73	2.55	2.28	2.90	3.46	1.08	0.73	0.68	0.68	0.66	0.65	
25	0.64	1.21	2.55	1.92	1.57	7.00	1.10	0.70	0.69	0.67	0.66	0.64	
26	0.66	1.45	2.64	1.70	1.57	7.97	1.06	0.80	0.74	0.67	0.67	0.63	
27	0.66	1.57	3.26	1.49	1.54	8.30	1.05	0.76	0.76	0.66	0.70	0.62	
28	0.75	1.59	4.83	1.40	1.39	8.48	1.05	0.75	0.71	0.66	0.71	0.63	
29	0.73	1.58	4.92	1.28	1.28	8.50	1.04	0.74	0.68	0.66	0.71	0.62	
30	0.72	1.58	6.83	1.20	1.20	8.47	1.01	0.74	0.72	0.65		0.64	
31		1.58		1.18	1.12		0.98		0.70	0.65		0.62	
MEAN	0.67	1.04	3.53	5.89	2.44	2.60	5.27	0.82	0.72	0.68	0.69	0.66	
MAX	0.75	1.93	6.83	8.56	4.72	8.50	10.18	0.95	0.78	0.76	0.72	0.74	10.18
MIN	0.60	0.60	1.92	1.18	1.08	1.01	0.98	0.70	0.67	0.65	0.65	0.62	0.60

ANNUAL MAX MOMENTARY GAGE HEIGHT — 10.19 M (A.D), AT 9.00 HOURS, ON OCT 3, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.50 M (A.D)

LEFT BANK ELEVATION — 11.33 M (A.D)

RIGHT BANK ELEVATION — 11.30 M (A.D), DRAINAGE AREA — 1794 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.35	0.60	8.88	137.20	2.70	2.25	213.05	1.70	0.50	0.60	0.60	0.47	
2	0.35	0.50	11.58	149.30	2.50	2.20	321.30	1.65	0.65	0.47	0.50	0.44	
3	0.29	0.50	11.76	164.75	2.50	2.05	379.60	1.75	0.55	0.44	0.60	0.41	
4	0.29	0.50	18.30	182.00	2.50	2.05	359.60	1.70	0.75	0.75	0.60	0.38	
5	0.29	0.50	16.65	186.50	2.40	2.05	297.90	1.65	0.65	0.60	0.60	0.38	
6	0.29	0.55	14.46	193.25	2.40	2.05	261.00	1.65	0.65	0.47	0.60	0.35	
7	0.26	0.55	17.86	201.50	6.45	2.05	219.60	1.55	0.60	0.47	0.60	0.44	
8	0.20	0.55	25.32	207.50	8.70	2.75	185.90	1.50	0.55	0.38	0.60	0.50	
9	0.41	0.65	31.30	211.35	11.31	2.60	158.40	1.35	0.55	0.60	0.55	0.44	
10	0.55	0.55	31.43	215.60	14.55	3.07	137.30	1.30	0.65	0.80	0.60	0.38	
11	0.47	0.26	25.84	210.50	24.93	5.10	119.20	1.00	0.65	0.55	0.55	0.32	
12	0.47	0.20	21.94	210.50	31.56	3.91	103.21	0.95	0.75	0.70	0.55	0.35	
13	0.50	1.00	22.98	204.50	44.36	3.35	85.60	0.60	0.47	0.47	0.55	0.35	
14	0.44	1.00	31.17	203.75	29.61	2.85	66.40	0.90	0.41	0.50	0.47	0.38	
15	0.50	1.00	41.08	112.95	22.46	2.65	53.30	1.10	0.55	0.47	0.41	0.35	
16	0.50	0.90	44.36	103.21	21.68	2.45	33.50	1.10	0.65	0.44	0.41	0.35	
17	0.60	0.47	44.18	89.20	26.49	2.20	24.30	1.15	0.65	0.41	0.41	0.38	
18	0.60	1.00	43.46	77.65	28.83	2.40	19.50	1.05	0.75	0.38	0.41	0.50	
19	0.50	1.40	35.96	54.10	31.30	2.70	14.27	0.95	0.90	0.38	0.35	0.29	
20	0.44	1.50	27.53	38.05	31.30	3.00	8.70	0.85	0.85	0.38	0.38	0.35	
21	0.38	3.63	25.19	27.00	29.74	2.30	6.35	0.80	0.75	0.41	0.41	0.35	
22	0.44	8.97	21.29	17.98	27.40	2.55	3.70	0.75	0.65	0.35	0.41	0.35	
23	0.44	8.61	17.09	12.94	22.72	2.95	2.75	0.70	0.75	0.35	0.41	0.70	
24	0.38	7.17	14.55	8.58	18.30	25.58	2.40	0.65	0.44	0.44	0.38	0.35	
25	0.32	3.07	14.55	6.60	5.73	115.10	2.50	0.50	0.47	0.41	0.38	0.32	
26	0.38	4.75	15.44	5.50	5.73	170.75	2.30	1.00	0.70	0.41	0.41	0.29	
27	0.38	5.73	22.98	4.45	5.46	195.50	2.25	0.80	0.80	0.38	0.50	0.26	
28	0.75	5.91	46.40	4.00	4.33	209.00	2.25	0.75	0.55	0.38	0.55	0.29	
29	0.65	5.82	48.24	3.40	3.56	210.50	2.20	0.70	0.44	0.38	0.55	0.26	
30	0.60	5.82	107.79	3.00	3.00	208.25	2.05	0.70	0.60	0.35		0.32	
31		5.82		2.90	2.60		1.90		0.50	0.35		0.26	
TOTAL	13.02	79.48	859.56	3249.71	477.10	1196.21	3092.28	32.80	19.38	14.47	14.34	11.56	9059.89 CMSDAY
MEAN	0.43	2.56	28.65	104.83	15.39	39.87	99.75	1.09	0.63	0.47	0.49	0.37	24.75 CMS
MAX	0.75	8.97	107.79	215.60	44.36	210.50	379.60	1.75	0.90	0.80	0.60	0.70	379.60 CMS
MIN	0.20	0.20	8.88	2.90	2.40	2.05	1.90	0.50	0.41	0.35	0.35	0.26	0.20 CMS
RUNOFF	1.125	6.867	74.266	280.775	41.221	103.352	267.173	2.834	1.674	1.250	1.239	0.999	782.775 MCM

MOMENTARY PEAK 380.80 CMS, AT 10.19 M (A.D), AT 9.00 HOURS, ON OCT 3, 1979
RUNOFF YIELD 13.80 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 212.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

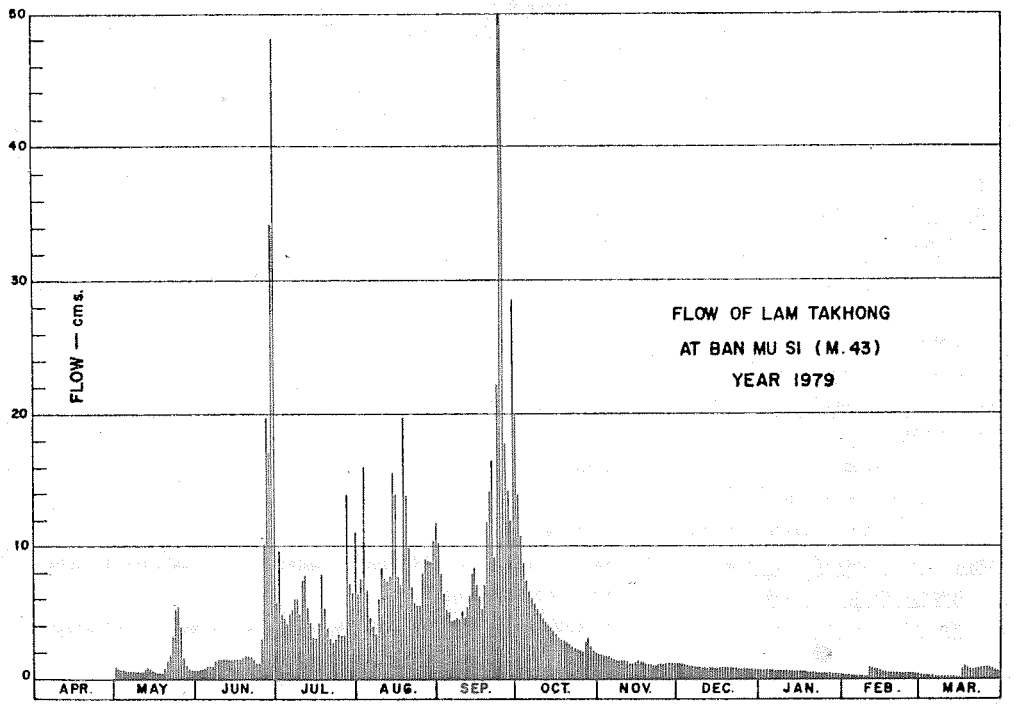
LAM TAKHONG AT BAN MU SI, NAKHON RATCHASIMA (M.43)

LOCATION	LAT. 14°-31'-40" N., LONG. 101°-24'-09" E., ON LEFT BANK INFRONT OF HIGHWAY MAINTENANCE OFFICE, BAN MU SI, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	235 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+5.592 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967-1973
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967-1973
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 178 DISCHARGE MEASUREMENTS MADE DURING 1969-1973.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.09	0.58	0.52	1.05	1.09	1.30	1.47	0.75	0.63	0.52	0.43	0.43	
2	0.08	0.56	0.52	1.26	1.14	1.15	1.34	0.74	0.62	0.52	0.44	0.42	
3	0.07	0.54	0.54	1.01	1.54	1.09	1.24	0.74	0.61	0.52	0.43	0.40	
4	0.07	0.52	0.55	0.96	1.43	1.02	1.17	0.73	0.61	0.52	0.42	0.39	
5	0.06	0.52	0.60	0.94	1.09	1.00	1.12	0.72	0.60	0.52	0.40	0.35	
6	0.06	0.49	0.59	0.97	0.98	0.96	1.09	0.70	0.60	0.51	0.38	0.33	
7	0.06	0.49	0.59	1.01	0.95	0.95	1.05	0.70	0.60	0.52	0.37	0.32	
8	0.06	0.50	0.64	1.06	0.88	0.97	1.03	0.69	0.59	0.52	0.36	0.30	
9	0.04	0.50	0.70	1.06	1.04	0.97	1.00	0.69	0.58	0.52	0.36	0.29	
10	0.03	0.49	0.68	1.00	1.19	1.00	0.98	0.68	0.57	0.52	0.41	0.27	
11	0.04	0.53	0.70	1.14	1.15	0.98	0.97	0.68	0.58	0.52	0.56	0.26	
12	0.04	0.55	0.71	1.16	1.14	1.05	0.95	0.66	0.58	0.52	0.58	0.25	
13	0.04	0.55	0.69	1.03	1.16	1.10	0.92	0.65	0.58	0.51	0.56	0.23	
14	0.04	0.56	0.69	0.98	1.51	1.20	0.91	0.65	0.58	0.50	0.54	0.22	
15	0.04	0.52	0.68	0.88	1.45	1.16	0.88	0.68	0.57	0.49	0.52	0.20	
16	0.04	0.48	0.70	0.86	1.20	1.09	0.87	0.68	0.56	0.49	0.52	0.28	
17	0.03	0.46	0.69	0.96	1.14	1.04	0.86	0.65	0.56	0.49	0.50	0.62	
18	0.03	0.46	0.69	1.17	1.66	0.99	0.85	0.64	0.56	0.50	0.49	0.58	
19	0.04	0.47	0.72	1.08	1.51	1.25	0.84	0.64	0.56	0.50	0.48	0.56	
20	0.04	0.60	0.73	0.93	1.42	1.42	0.83	0.64	0.55	0.48	0.49	0.54	
21	0.04	0.71	0.72	0.91	1.21	1.55	0.81	0.63	0.55	0.48	0.48	0.54	
22	0.03	0.77	0.71	0.85	1.10	1.24	0.80	0.63	0.56	0.47	0.46	0.57	
23	0.04	0.93	0.62	0.83	1.04	1.50	0.80	0.63	0.56	0.48	0.46	0.57	
24	0.04	1.02	0.62	0.87	1.03	2.86	0.79	0.65	0.54	0.49	0.46	0.56	
25	0.04	1.03	0.62	0.89	1.08	1.96	0.78	0.65	0.54	0.48	0.45	0.59	
26	0.04	0.92	1.13	0.87	1.17	1.63	0.79	0.65	0.53	0.48	0.45	0.60	
27	0.04	0.71	1.66	0.89	1.23	1.47	0.86	0.64	0.53	0.46	0.45	0.57	
28	0.04	0.59	1.58	1.45	1.22	1.37	0.83	0.63	0.53	0.44	0.44	0.55	
29	0.03	0.56	2.00	1.13	1.23	1.92	0.78	0.64	0.54	0.44	0.44	0.53	
30	0.36	0.54	2.37	1.09	1.26	1.74	0.77	0.63	0.54	0.44		0.51	
31		0.51		1.33	1.36		0.76		0.53	0.43		0.50	
MEAN	0.06	0.60	0.83	1.02	1.21	1.30	0.94	0.67	0.57	0.49	0.46	0.43	
MAX	0.36	1.03	2.37	1.45	1.66	2.86	1.47	0.75	0.63	0.52	0.58	0.62	2.86
MIN	0.03	0.46	0.52	0.83	0.88	0.95	0.76	0.63	0.53	0.43	0.36	0.20	0.03

ANNUAL MAX. MOMENTARY GAGE HEIGHT 3.32 M (A.D), AT 12.00 HOURS, ON SEP 24, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.38 M (A.D)
LEFT BANK ELEVATION 8.45 M (A.D)
RIGHT BANK ELEVATION 8.18 M (A.D), DRAINAGE AREA 235 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.90	0.60	5.85	6.53	10.50	14.45	1.90	1.15	0.60	0.29	0.29	
2	0.00	0.80	0.60	9.70	7.42	7.60	11.38	1.82	1.10	0.60	0.32	0.26	
3	0.00	0.70	0.70	5.17	16.24	6.53	9.30	1.82	1.05	0.60	0.29	0.20	
4	0.00	0.60	0.75	4.44	13.45	5.34	7.96	1.74	1.05	0.60	0.26	0.19	
5	0.00	0.60	1.00	4.16	6.53	5.00	7.06	1.66	1.00	0.60	0.20	0.15	
6	0.00	0.47	0.95	4.58	4.72	4.44	6.53	1.50	1.00	0.55	0.18	0.13	
7	0.00	0.47	0.95	5.17	4.30	4.30	5.85	1.50	1.00	0.60	0.17	0.12	
8	0.00	0.50	1.20	6.02	3.34	4.58	5.51	1.45	0.95	0.60	0.16	0.10	
9	0.00	0.50	1.50	6.02	5.68	4.58	5.00	1.45	0.90	0.60	0.16	0.09	
10	0.00	0.47	1.40	5.00	8.32	5.00	4.72	1.40	0.85	0.60	0.23	0.07	
11	0.00	0.65	1.50	7.42	7.60	4.72	4.58	1.40	0.90	0.60	0.80	0.06	
12	0.00	0.75	1.58	7.78	7.42	5.85	4.30	1.30	0.90	0.60	0.90	0.05	
13	0.00	0.75	1.45	5.51	7.78	6.70	3.88	1.25	0.90	0.55	0.80	0.03	
14	0.00	0.80	1.45	4.72	15.46	8.50	3.74	1.25	0.90	0.50	0.70	0.02	
15	0.00	0.60	1.40	3.34	13.95	7.78	3.34	1.40	0.85	0.47	0.60	0.00	
16	0.00	0.44	1.50	3.08	8.50	6.53	3.21	1.40	0.80	0.47	0.60	0.08	
17	0.00	0.38	1.45	4.44	7.42	5.68	3.08	1.25	0.80	0.47	0.50	1.10	
18	0.00	0.38	1.45	7.96	19.72	4.86	2.95	1.20	0.80	0.50	0.47	0.90	
19	0.00	0.41	1.66	6.36	15.46	9.50	2.82	1.20	0.80	0.50	0.44	0.80	
20	0.00	1.00	1.74	4.02	13.20	13.20	2.69	1.20	0.75	0.44	0.47	0.70	
21	0.00	1.58	1.66	3.74	8.70	16.50	2.43	1.15	0.75	0.44	0.44	0.70	
22	0.00	2.06	1.58	2.95	6.70	9.30	2.30	1.15	0.80	0.41	0.38	0.85	
23	0.00	4.02	1.10	2.69	5.68	15.20	2.30	1.15	0.80	0.44	0.38	0.85	
24	0.00	5.34	1.10	3.21	5.51	72.24	2.22	1.25	0.70	0.47	0.38	0.80	
25	0.00	5.51	1.10	3.47	6.36	30.28	2.14	1.25	0.70	0.44	0.35	0.95	
26	0.00	3.88	7.24	3.21	7.96	18.76	2.22	1.25	0.65	0.44	0.35	1.00	
27	0.00	1.58	19.72	3.47	9.10	14.45	3.08	1.20	0.65	0.38	0.35	0.85	
28	0.00	0.95	17.28	13.95	8.90	12.04	2.69	1.15	0.65	0.32	0.32	0.75	
29	0.00	0.80	31.80	7.24	9.10	28.76	2.14	1.20	0.70	0.32	0.32	0.65	
30	0.16	0.70	47.99	6.53	9.70	22.36	2.06	1.15	0.70	0.32		0.55	
31		0.55		11.16	11.82		1.98		0.65	0.29		0.50	
TOTAL	0.16	39.14	155.40	172.36	282.57	371.08	137.91	40.99	26.20	15.32	11.81	13.79	1266.73 CMSDAY
MEAN	0.01	1.26	5.18	5.56	9.12	12.37	4.45	1.37	0.85	0.49	0.41	0.44	3.46 CMS
MAX	0.16	5.51	47.99	13.95	19.72	72.24	14.45	1.90	1.15	0.60	0.90	1.10	72.24 CMS
MIN	0.00	0.38	0.60	2.69	3.34	4.30	1.98	1.15	0.65	0.29	0.16	0.00	0.00 CMS
RUNOFF	0.014	3.382	13.427	14.892	24.414	32.061	11.915	3.542	2.264	1.324	1.020	1.191	109.445 MCM

MOMENTARY PEAK 100.04 CMS, AT 3.32 M (A.D), AT 12.00 HOURS, ON SEP 24, 1979

RUNOFF YIELD 14.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 425.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

MUN RIVER AT BAN CHORAKHE HIN, NAKHON RATCHASIMA (M.49)

LOCATION — LAT. 14°-32'-12" N., LONG. 102°-10'-07" E., ON RIGHT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM PROPOSE DAMSITE, AMPHOE KHON BURI, NAKHON RATCHASIMA.

DRAINAGE AREA — 474 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +197.211 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE METEOROLOGICAL STATION.

ELEVATION — +205.267 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1973

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965-1973

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

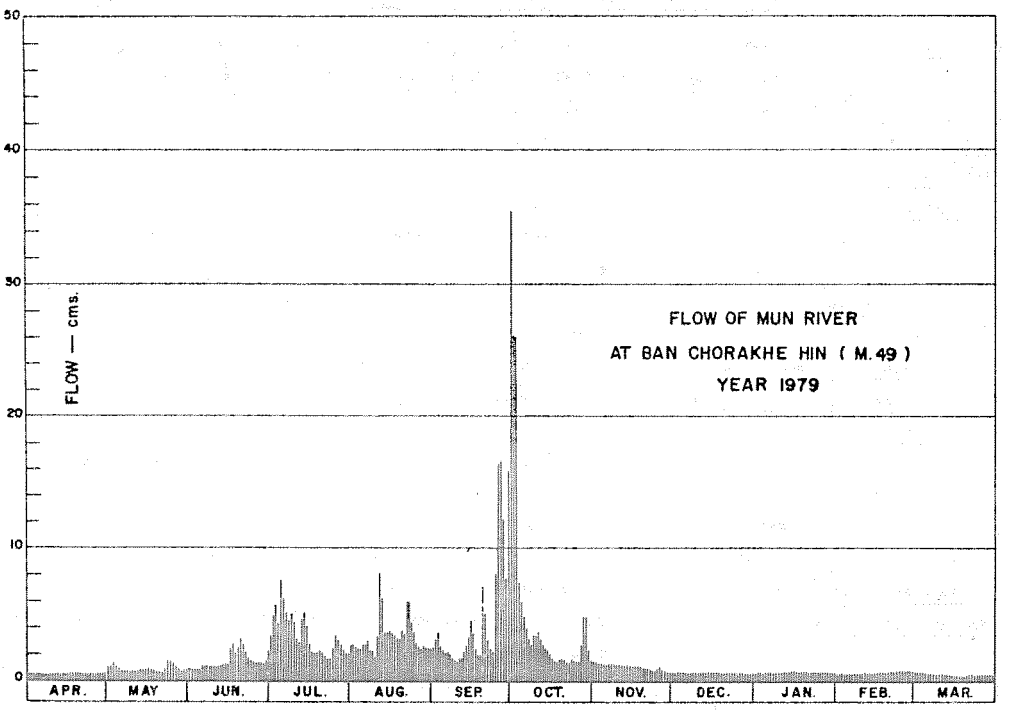
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 807 DISCHARGE MEASUREMENTS MADE DURING 1970-1973.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	199.01	199.58	199.41	200.36	200.31	200.26	201.71	199.95	199.17	199.17	199.22	199.27	
2	199.00	199.70	199.40	200.54	200.30	200.36	201.49	199.91	199.16	199.20	199.23	199.25	
3	199.01	199.98	199.38	200.62	200.26	200.44	200.95	199.88	199.14	199.18	199.24	199.22	
4	199.01	199.59	199.42	200.50	200.24	200.32	200.74	199.86	199.14	199.19	199.25	199.22	
5	199.02	199.34	199.56	200.77	200.32	200.22	200.61	199.83	199.21	199.20	199.25	199.21	
6	199.02	199.21	199.56	200.67	200.44	200.20	200.51	199.80	199.22	199.25	199.26	199.19	
7	199.01	199.16	199.60	200.56	200.34	200.15	200.43	199.78	199.18	199.23	199.26	199.17	
8	199.01	199.16	199.60	200.53	200.25	200.12	200.30	199.76	199.17	199.18	199.26	199.16	
9	199.01	199.16	199.58	200.57	200.19	200.06	200.39	199.74	199.22	199.15	199.28	199.15	
10	199.01	199.13	199.60	200.52	200.14	200.02	200.38	199.73	199.17	199.17	199.28	199.17	
11	199.01	199.23	199.59	200.39	200.40	200.09	200.43	199.76	199.15	199.14	199.26	199.17	
12	199.01	199.35	199.61	200.31	200.81	200.12	200.38	199.76	199.13	199.13	199.20	199.16	
13	199.01	199.33	199.69	200.54	200.56	200.21	200.28	199.74	199.10	199.16	199.21	199.07	
14	199.03	199.32	199.74	200.57	200.42	200.30	200.24	199.72	199.09	199.16	199.22	199.03	
15	199.03	199.46	199.87	200.43	200.45	200.43	200.20	199.69	199.09	199.17	199.23	199.02	
16	199.01	199.37	200.26	200.32	200.44	200.51	200.07	199.69	199.09	199.17	199.25	199.02	
17	199.01	199.23	200.32	200.23	200.43	200.30	199.94	199.73	199.09	199.17	199.25	199.02	
18	199.00	199.17	200.20	200.19	200.41	200.17	199.93	199.67	199.09	199.18	199.25	199.01	
19	199.00	199.12	200.27	200.23	200.35	200.09	199.99	199.49	199.08	199.16	199.24	199.02	
20	199.02	199.10	200.37	200.23	200.44	200.73	200.01	199.45	199.07	199.14	199.25	199.02	
21	199.02	199.14	200.25	200.18	200.43	200.59	200.01	199.44	199.07	199.16	199.27	199.02	
22	199.02	199.21	200.17	200.09	200.60	200.37	199.90	199.34	199.07	199.18	199.27	199.02	
23	199.02	199.96	200.08	200.00	200.66	200.25	200.02	199.31	199.07	199.17	199.28	199.04	
24	199.03	200.00	200.00	200.11	200.50	200.22	200.01	199.28	199.06	199.16	199.28	199.03	
25	199.06	199.84	199.96	200.30	200.40	200.78	199.96	199.45	199.06	199.16	199.30	199.01	
26	199.04	199.69	199.93	200.40	200.32	201.21	199.92	199.54	199.06	199.16	199.29	199.01	
27	199.03	199.53	199.92	200.36	200.26	201.22	199.94	199.33	199.05	199.17	199.30	199.01	
28	199.06	199.44	199.89	200.30	200.30	201.01	200.54	199.20	199.05	199.20	199.29	199.01	
29	199.13	199.40	199.86	200.24	200.30	200.78	200.54	199.17	199.07	199.21	199.29	199.02	
30	199.13	199.46	200.05	200.19	200.29	201.28	200.27	199.17	199.08	199.22		199.03	
31		199.42		200.20	200.26		200.06		199.09	199.22		199.04	
MEAN	199.03	199.41	199.84	200.37	200.38	200.43	200.33	199.61	199.11	199.18	199.26	199.09	
MAX	199.13	200.00	200.37	200.77	200.81	201.28	201.71	199.95	199.22	199.25	199.30	199.27	201.71
MIN	199.00	199.10	199.38	200.00	200.14	200.02	199.90	199.17	199.05	199.13	199.20	199.01	199.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 201.74 M (MSL), AT 24.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION 197.21 M (MSL), RIVER BED 197.76 M (MSL)
LEFT BANK ELEVATION 202.23 M (MSL)
RIGHT BANK ELEVATION 202.01 M (MSL), DRAINAGE AREA 474 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	1.08	0.91	3.18	2.78	2.50	35.57	1.50	0.68	0.68	0.72	0.77	
2	0.55	1.20	0.90	4.84	2.70	3.18	26.10	1.42	0.67	0.70	0.73	0.75	
3	0.56	1.56	0.88	5.74	2.50	3.86	10.70	1.38	0.65	0.68	0.74	0.72	
4	0.56	1.09	0.92	4.40	2.40	2.86	7.22	1.36	0.65	0.69	0.75	0.72	
5	0.56	0.84	1.06	7.61	2.86	2.30	5.62	1.33	0.71	0.70	0.75	0.71	
6	0.56	0.71	1.06	6.34	3.86	2.20	4.51	1.30	0.72	0.75	0.76	0.69	
7	0.56	0.67	1.10	5.06	3.02	2.00	3.77	1.28	0.68	0.73	0.76	0.68	
8	0.56	0.67	1.10	4.73	2.45	1.88	2.70	1.26	0.68	0.68	0.76	0.67	
9	0.56	0.67	1.08	4.17	2.16	1.72	3.42	1.24	0.72	0.66	0.78	0.66	
10	0.56	0.64	1.10	4.62	1.96	1.64	3.34	1.23	0.68	0.68	0.78	0.68	
11	0.56	0.73	1.09	3.42	3.50	1.78	3.77	1.26	0.66	0.65	0.76	0.68	
12	0.56	0.85	1.11	2.78	8.17	1.88	3.34	1.26	0.64	0.64	0.70	0.67	
13	0.56	0.83	1.19	4.84	5.06	2.25	2.60	1.24	0.62	0.67	0.71	0.60	
14	0.57	0.82	1.24	5.17	3.68	2.70	2.40	1.22	0.61	0.67	0.72	0.57	
15	0.57	0.96	1.37	3.77	3.95	3.77	2.20	1.19	0.61	0.68	0.73	0.56	
16	0.56	0.87	2.50	2.86	3.86	4.51	1.74	1.19	0.61	0.68	0.75	0.56	
17	0.56	0.73	2.86	2.35	3.77	2.70	1.48	1.23	0.61	0.68	0.75	0.56	
18	0.55	0.68	2.20	2.16	3.59	2.08	1.46	1.17	0.61	0.68	0.75	0.56	
19	0.55	0.64	2.55	2.35	3.10	1.78	1.58	0.99	0.61	0.67	0.74	0.56	
20	0.56	0.62	3.26	2.35	3.86	7.09	1.62	0.95	0.60	0.65	0.75	0.56	
21	0.56	0.65	2.45	2.12	3.77	5.39	1.62	0.94	0.60	0.67	0.77	0.56	
22	0.56	0.71	2.08	1.78	5.50	3.26	1.40	0.84	0.60	0.68	0.77	0.56	
23	0.56	1.52	1.76	1.60	6.22	2.45	1.64	0.81	0.60	0.68	0.78	0.58	
24	0.57	1.60	1.60	1.84	4.40	2.30	1.62	0.78	0.59	0.67	0.78	0.57	
25	0.59	1.34	1.52	2.70	3.50	7.74	1.52	0.95	0.59	0.67	0.80	0.56	
26	0.58	1.19	1.46	3.50	2.86	16.48	1.44	1.04	0.59	0.67	0.79	0.56	
27	0.57	1.03	1.44	3.18	2.50	16.76	1.48	0.83	0.58	0.68	0.80	0.56	
28	0.59	0.94	1.39	2.70	2.70	11.91	4.84	0.70	0.58	0.70	0.79	0.56	
29	0.64	0.90	1.36	2.40	2.70	7.74	4.84	0.68	0.60	0.71	0.79	0.56	
30	0.64	0.96	1.70	2.16	2.65	18.44	2.55	0.68	0.61	0.72		0.57	
31		0.92		2.20	2.50		1.72		0.61	0.72		0.58	
TOTAL	17.05	28.62	46.24	109.92	108.53	147.15	149.81	33.25	19.57	21.19	21.96	19.15	722.44 CMSDAY
MEAN	0.57	0.92	1.54	3.55	3.50	4.90	4.83	1.11	0.63	0.68	0.76	0.62	1.97 CMS
MAX	0.64	1.60	3.26	7.61	8.17	18.44	35.57	1.50	0.72	0.75	0.80	0.77	35.57 CMS
MIN	0.55	0.62	0.88	1.60	1.96	1.64	1.40	0.68	0.58	0.64	0.70	0.56	0.55 CMS
RUNOFF	1.473	2.473	3.995	9.497	9.377	12.714	12.944	2.873	1.691	1.831	1.897	1.655	62.419 MCM

MOMENTARY PEAK 37.28 CMS, AT 201.74 M (MSL), AT 24.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 4.16 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 78.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

MUN RIVER AT BAN NA, NAKHON RATCHASIMA (M.49B)

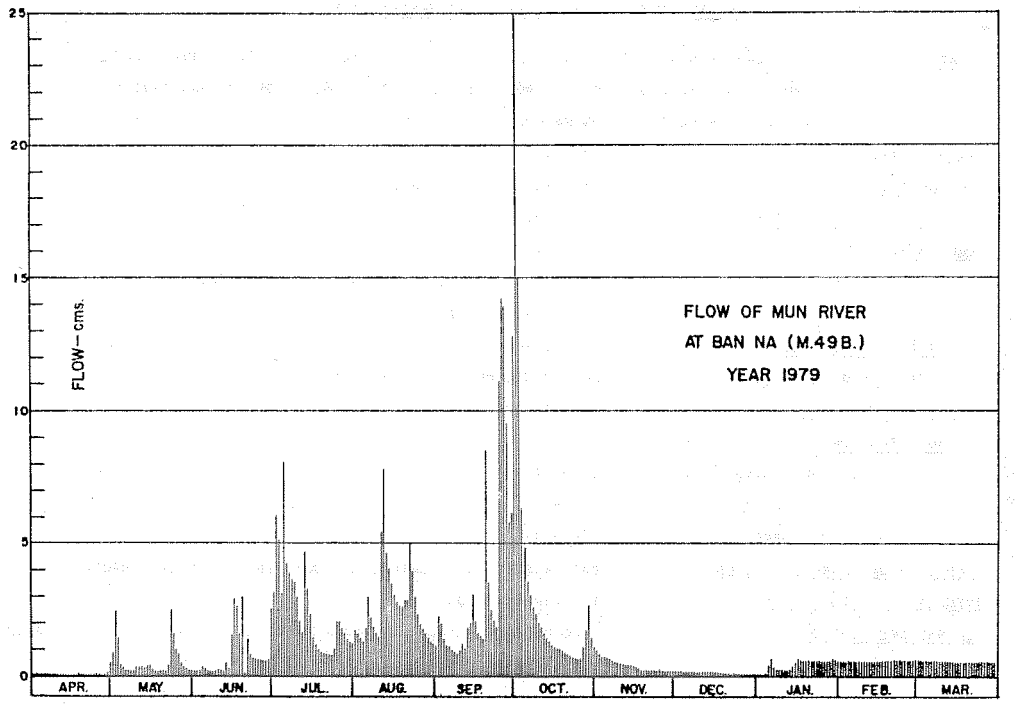
LOCATION — LAT. 14°29'41" N., LONG. 102°09'37" E., ON RIGHT BANK ABOUT 1.5 KILOMETERS DOWNSTREAM FROM PROPOSED DAMSITE, AMPHOE KHON BURI, NAKHON RATCHASIMA.

DRAINAGE AREA	434 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+203.50 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	AT THE HEADWORK OF DAMSITE, ABOUT 150 METERS FROM THE GODOWN.
ELEVATION	+219.460 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 151 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	203.56	204.57	203.83	205.62	205.17	204.83	207.69	204.78	203.83	203.67	204.38	204.43	
2	203.61	205.46	203.82	206.15	205.09	205.42	207.03	204.69	203.83	203.66	204.38	204.42	
3	203.60	204.84	203.83	205.99	205.02	205.32	206.30	204.55	203.82	203.66	204.38	204.41	
4	203.60	204.14	204.00	205.62	204.95	205.00	206.11	204.54	203.81	203.66	204.38	204.41	
5	203.59	203.93	203.95	206.36	204.98	204.88	205.93	204.52	203.80	204.10	204.38	204.40	
6	203.58	203.86	203.87	205.91	205.54	204.81	205.78	204.46	203.79	204.41	204.39	204.40	
7	203.58	203.85	203.84	205.83	205.40	204.77	205.64	204.42	203.78	203.92	204.39	204.40	
8	203.58	203.81	203.83	205.79	205.26	204.72	205.55	204.39	203.78	203.91	204.39	204.39	
9	203.57	203.81	203.82	205.77	205.10	204.65	205.44	204.36	203.77	203.91	204.39	204.39	
10	203.57	203.98	203.88	205.59	205.02	204.73	205.34	204.30	203.77	203.90	204.38	204.38	
11	203.58	204.03	203.84	205.35	206.08	204.89	205.25	204.23	203.76	203.90	204.38	204.37	
12	203.56	204.10	203.77	205.12	206.34	204.82	205.16	204.18	203.76	203.89	204.38	204.36	
13	203.55	203.96	204.21	205.97	205.97	205.21	205.05	204.21	203.75	203.92	204.38	204.36	
14	203.55	204.16	203.98	205.66	205.88	205.29	204.97	204.13	203.74	204.13	204.38	204.34	
15	203.55	204.13	204.90	205.36	205.78	205.67	204.91	204.12	203.74	204.36	204.38	204.33	
16	203.56	203.92	205.62	205.10	205.66	205.35	204.90	204.07	203.73	204.50	204.38	204.33	
17	203.57	203.82	205.51	204.91	205.60	205.15	204.81	204.04	203.73	204.45	204.38	204.32	
18	203.62	203.78	205.07	204.78	205.54	205.06	204.83	204.01	203.73	204.40	204.38	204.32	
19	203.60	203.75	205.63	204.69	205.52	204.97	204.78	203.93	203.72	204.40	204.42	204.32	
20	203.60	203.74	203.54	204.65	205.58	206.41	204.74	203.93	203.72	204.40	204.42	204.36	
21	203.59	203.78	204.98	204.63	205.60	205.80	204.67	203.92	203.71	204.40	204.42	204.35	
22	203.58	204.16	204.63	204.61	206.02	205.51	204.60	203.90	203.71	204.40	204.42	204.35	
23	203.58	205.50	204.49	204.59	205.89	205.38	204.54	203.89	203.71	204.40	204.41	204.35	
24	203.62	205.13	204.46	204.58	205.65	205.18	204.54	203.88	203.70	204.39	204.41	204.34	
25	203.62	204.69	204.43	205.32	205.47	206.64	204.50	203.87	203.70	204.39	204.41	204.34	
26	203.61	204.41	204.43	205.32	205.31	206.88	204.48	203.86	203.69	204.39	204.40	204.34	
27	203.59	204.19	204.39	205.22	205.24	206.86	204.75	203.86	203.69	204.39	204.40	204.33	
28	203.59	204.06	204.39	205.07	205.12	206.44	205.13	203.85	203.68	204.40	204.43	204.33	
29	203.72	203.96	204.41	205.03	205.08	206.11	205.55	203.84	203.68	204.45	204.43	204.33	
30	204.38	203.89	205.51	204.92	204.96	206.16	205.16	203.84	203.67	204.41		204.32	
31		203.84		204.91	204.87		204.91		203.67	204.41		204.32	
MEAN	203.62	204.17	204.36	205.30	205.44	205.43	205.26	204.15	203.74	204.18	204.39	204.36	
MAX	204.38	205.50	205.63	206.36	206.34	206.88	207.69	204.78	203.83	204.50	204.43	204.43	207.69
MIN	203.55	203.74	203.54	204.58	204.87	204.65	204.48	203.84	203.67	203.66	204.38	204.32	203.54

ANNUAL MAX MOMENTARY GAGE HEIGHT 207.70 M (MSL), AT 15.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION 203.50 M (MSL), RIVER BED 203.50 M (MSL)
LEFT BANK ELEVATION 210.09 M (MSL)
RIGHT BANK ELEVATION 210.04 M (MSL), DRAINAGE AREA 434 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.77	0.19	2.88	1.72	1.07	27.89	1.00	0.19	0.08	0.58	0.62	
2	0.04	2.38	0.18	6.00	1.56	2.26	16.35	0.90	0.19	0.07	0.58	0.61	
3	0.03	1.09	0.19	4.74	1.42	2.02	7.40	0.74	0.18	0.07	0.58	0.60	
4	0.03	0.41	0.31	2.88	1.29	1.38	5.68	0.73	0.18	0.07	0.58	0.60	
5	0.03	0.26	0.27	8.00	1.34	1.16	4.38	0.71	0.17	0.38	0.58	0.59	
6	0.02	0.21	0.22	4.26	2.96	1.04	3.56	0.65	0.16	0.60	0.58	0.59	
7	0.02	0.20	0.20	3.81	2.20	0.99	2.96	0.61	0.16	0.25	0.58	0.59	
8	0.02	0.18	0.19	3.60	1.90	0.93	2.65	0.58	0.16	0.25	0.58	0.58	
9	0.02	0.18	0.18	3.52	1.58	0.85	2.32	0.56	0.15	0.25	0.58	0.58	
10	0.02	0.30	0.23	2.77	1.42	0.94	2.07	0.52	0.15	0.24	0.58	0.58	
11	0.02	0.33	0.20	2.09	5.44	1.18	1.88	0.47	0.14	0.24	0.58	0.57	
12	0.02	0.38	0.15	1.62	7.80	1.06	1.70	0.44	0.14	0.23	0.58	0.56	
13	0.01	0.28	0.46	4.62	4.62	1.80	1.48	0.46	0.14	0.25	0.58	0.56	
14	0.01	0.42	0.30	3.04	4.09	1.96	1.33	0.40	0.13	0.40	0.58	0.55	
15	0.01	0.40	1.20	2.11	3.56	3.08	1.22	0.39	0.13	0.56	0.58	0.54	
16	0.02	0.25	2.88	1.58	3.04	2.09	1.20	0.36	0.12	0.69	0.58	0.54	
17	0.02	0.18	2.53	1.22	2.80	1.68	1.04	0.34	0.12	0.64	0.58	0.53	
18	0.04	0.16	1.52	1.00	2.62	1.50	1.07	0.32	0.12	0.59	0.58	0.53	
19	0.03	0.14	2.92	0.90	2.56	1.33	1.00	0.26	0.11	0.59	0.61	0.53	
20	0.03	0.13	0.01	0.85	2.74	8.50	0.95	0.26	0.11	0.59	0.61	0.56	
21	0.03	0.16	1.34	0.83	2.80	3.65	0.88	0.25	0.11	0.59	0.61	0.55	
22	0.02	0.42	0.83	0.81	4.96	2.53	0.80	0.24	0.11	0.59	0.61	0.55	
23	0.02	2.50	0.68	0.79	4.14	2.16	0.73	0.23	0.11	0.59	0.60	0.55	
24	0.04	1.64	0.65	0.78	3.00	1.74	0.73	0.23	0.10	0.58	0.60	0.55	
25	0.04	0.90	0.62	1.02	2.41	11.08	0.69	0.22	0.10	0.58	0.60	0.55	
26	0.04	0.60	0.62	2.02	2.00	14.14	0.67	0.21	0.09	0.58	0.59	0.55	
27	0.03	0.44	0.58	1.82	1.86	13.88	0.97	0.21	0.09	0.58	0.59	0.54	
28	0.03	0.35	0.58	1.52	1.62	8.80	1.64	0.20	0.09	0.59	0.62	0.54	
29	0.11	0.28	0.60	1.44	1.54	5.68	2.65	0.20	0.09	0.64	0.62	0.54	
30	0.58	0.23	2.53	1.24	1.31	6.08	1.70	0.20	0.08	0.60		0.53	
31		0.20		1.22	1.15		1.22		0.08	0.60		0.53	
TOTAL	1.40	16.37	23.36	75.98	83.45	106.56	100.81	12.89	4.00	13.56	17.10	17.39	472.87 CMSDAY
MEAN	0.05	0.53	0.78	2.45	2.69	3.55	3.25	0.43	0.13	0.44	0.59	0.56	1.29 CMS
MAX	0.58	2.50	2.92	8.00	7.80	14.14	27.89	1.00	0.19	0.69	0.62	0.62	27.89 CMS
MIN	0.01	0.13	0.01	0.78	1.15	0.85	0.67	0.20	0.08	0.07	0.58	0.53	0.01 CMS
RUNOFF	0.121	1.414	2.018	6.565	7.210	9.207	8.710	1.114	0.346	1.172	1.477	1.502	40.856 MCM

MOMENTARY PEAK 28.10 CMS, AT 207.70 M (MSL), AT 15.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 2.98 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 64.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

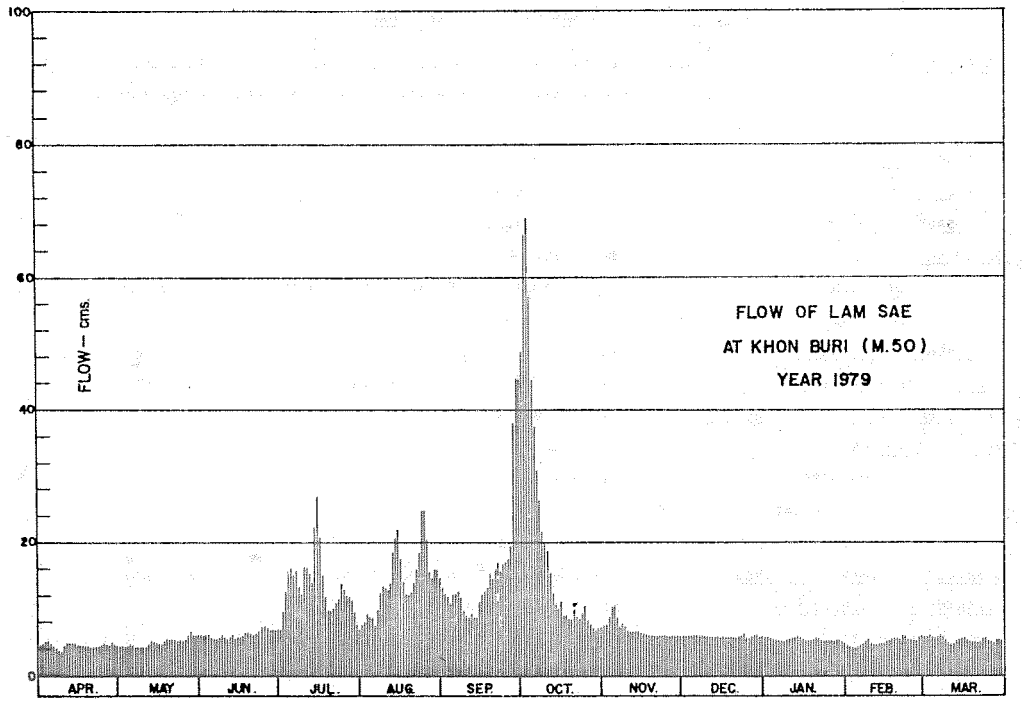
LAM SAE AT KHON BURI, NAKHON RATCHASIMA (M.50)

LOCATION	LAT. 14°-31'-08" N., LONG. 102°-14'-39" E., ON RIGHT BANK ABOUT 500 METERS SOUTH OF AMPHOE KHON BURI OFFICE, AND ABOUT 30 METERS SOUTH-EAST OF THE SANITARIUM, AMPHOE KHON BURI, NAKHON RATCHASIMA.
DRAINAGE AREA	875 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	UNDER THE BIG TREE NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+10.00 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1967
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1967
STABILITY OF CHANNEL REGIMES	RATHER STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1967.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.53	1.51	1.64	1.70	1.73	1.91	2.46	1.73	1.64	1.62	1.51	1.63	
2	1.56	1.51	1.65	1.80	1.74	1.90	2.60	1.73	1.64	1.62	1.49	1.62	
3	1.58	1.50	1.66	1.88	1.79	1.86	2.62	1.78	1.64	1.61	1.48	1.64	
4	1.55	1.50	1.64	1.97	1.78	1.85	2.48	1.83	1.64	1.60	1.48	1.63	
5	1.53	1.52	1.61	1.98	1.78	1.89	2.38	1.84	1.64	1.59	1.50	1.61	
6	1.49	1.52	1.60	1.95	1.71	1.89	2.34	1.76	1.64	1.59	1.53	1.60	
7	1.46	1.49	1.60	1.97	1.81	1.90	2.23	1.73	1.64	1.58	1.55	1.64	
8	1.44	1.49	1.62	1.91	1.89	1.89	2.15	1.74	1.64	1.57	1.57	1.63	
9	1.42	1.49	1.64	1.88	1.91	1.82	2.09	1.72	1.64	1.59	1.59	1.57	
10	1.52	1.50	1.62	1.98	1.91	1.79	2.04	1.70	1.63	1.60	1.56	1.55	
11	1.55	1.50	1.60	1.98	1.90	1.78	2.03	1.70	1.63	1.62	1.54	1.53	
12	1.55	1.52	1.63	1.98	1.93	1.80	1.98	1.70	1.62	1.62	1.54	1.55	
13	1.55	1.59	1.64	1.93	2.03	1.76	1.90	1.70	1.63	1.61	1.53	1.58	
14	1.53	1.55	1.61	2.08	2.05	1.78	1.85	1.70	1.63	1.61	1.54	1.59	
15	1.53	1.56	1.62	2.17	2.09	1.85	1.82	1.68	1.62	1.60	1.55	1.61	
16	1.52	1.56	1.59	2.09	2.00	1.89	1.85	1.66	1.63	1.58	1.56	1.62	
17	1.50	1.54	1.63	1.97	1.93	1.90	1.78	1.66	1.62	1.58	1.58	1.61	
18	1.50	1.56	1.67	1.88	1.90	1.91	1.80	1.65	1.62	1.58	1.61	1.59	
19	1.50	1.61	1.67	1.83	1.89	1.95	1.76	1.64	1.62	1.59	1.62	1.56	
20	1.50	1.59	1.65	1.79	1.90	1.94	1.77	1.65	1.62	1.62	1.61	1.56	
21	1.50	1.60	1.65	1.83	1.94	1.98	1.82	1.65	1.63	1.61	1.60	1.56	
22	1.50	1.58	1.65	1.84	1.98	2.00	1.78	1.64	1.63	1.58	1.65	1.57	
23	1.50	1.58	1.70	1.86	2.03	1.97	1.77	1.66	1.64	1.57	1.63	1.61	
24	1.51	1.59	1.72	1.92	2.14	2.00	1.81	1.65	1.64	1.57	1.61	1.61	
25	1.55	1.57	1.72	1.91	2.14	2.00	1.83	1.65	1.62	1.59	1.60	1.59	
26	1.54	1.58	1.70	1.88	2.06	2.01	1.76	1.64	1.61	1.59	1.59	1.58	
27	1.53	1.65	1.70	1.88	1.97	2.06	1.74	1.66	1.62	1.58	1.58	1.56	
28	1.54	1.69	1.70	1.87	1.92	2.32	1.71	1.65	1.63	1.59	1.62	1.58	
29	1.53	1.65	1.69	1.85	1.98	2.40	1.70	1.64	1.64	1.58	1.64	1.59	
30	1.52	1.65	1.67	1.74	1.98	2.39	1.72	1.64	1.62	1.55		1.58	
31		1.66		1.68	1.94		1.72		1.62	1.52		1.57	
MEAN	1.52	1.56	1.65	1.90	1.93	1.95	1.98	1.69	1.63	1.59	1.57	1.59	
MAX	1.58	1.69	1.72	2.17	2.14	2.40	2.62	1.84	1.64	1.62	1.65	1.64	2.62
MIN	1.42	1.49	1.59	1.68	1.71	1.76	1.70	1.64	1.61	1.52	1.48	1.53	1.42

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.65 M (A.D), AT 1.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.39 M (A.D)
LEFT BANK ELEVATION 3.32 M (A.D)
RIGHT BANK ELEVATION 3.34 M (A.D), DRAINAGE AREA 875 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.73	4.51	6.02	6.80	7.49	12.93	50.60	7.49	6.02	5.76	4.51	5.89	
2	5.06	4.51	6.15	9.10	7.72	12.50	66.10	7.49	6.02	5.76	4.30	5.76	
3	5.28	4.40	6.28	11.82	8.87	11.14	68.80	8.64	6.02	5.63	4.20	6.02	
4	4.95	4.40	6.02	15.51	8.64	10.80	52.60	10.12	6.02	5.50	4.20	5.89	
5	4.73	4.62	5.63	15.94	8.64	12.16	42.90	10.46	6.02	5.39	4.40	5.63	
6	4.30	4.62	5.50	14.65	7.03	12.16	39.50	8.18	6.02	5.39	4.73	5.50	
7	4.00	4.30	5.50	15.51	9.44	12.50	30.92	7.49	6.02	5.28	4.95	6.02	
8	3.80	4.30	5.76	12.93	12.16	12.16	25.45	7.72	6.02	5.17	5.17	5.89	
9	3.60	4.30	6.02	11.82	12.93	9.78	21.66	7.26	6.02	5.39	5.39	5.17	
10	4.62	4.40	5.76	15.94	12.93	8.87	18.96	6.80	5.89	5.50	5.06	4.95	
11	4.95	4.40	5.50	15.94	12.50	8.64	18.42	6.80	5.89	5.76	4.84	4.73	
12	4.95	4.62	5.89	15.94	13.79	9.10	15.94	6.80	5.76	5.76	4.84	4.95	
13	4.95	5.39	6.02	13.79	18.42	8.18	12.50	6.80	5.89	5.63	4.73	5.28	
14	4.73	4.95	5.63	21.12	19.50	8.64	10.80	6.80	5.89	5.63	4.84	5.39	
15	4.73	5.06	5.76	26.75	21.66	10.80	9.78	6.54	5.76	5.50	4.95	5.63	
16	4.62	5.06	5.39	21.66	16.80	12.16	10.80	6.28	5.89	5.28	5.06	5.76	
17	4.40	4.84	5.89	15.51	13.79	12.50	8.64	6.28	5.76	5.28	5.28	5.63	
18	4.40	5.06	6.41	11.82	12.50	12.93	9.10	6.15	5.76	5.28	5.63	5.39	
19	4.40	5.63	6.41	10.12	12.16	14.65	8.18	6.02	5.76	5.39	5.76	5.06	
20	4.40	5.39	6.15	8.87	12.50	14.22	8.41	6.15	5.76	5.76	5.63	5.06	
21	4.40	5.50	6.15	10.12	14.22	15.94	9.78	6.15	5.89	5.63	5.50	5.06	
22	4.40	5.28	6.15	10.46	15.94	16.80	8.64	6.02	5.89	5.28	6.15	5.17	
23	4.40	5.28	6.80	11.14	18.42	15.51	8.41	6.28	6.02	5.17	5.89	5.63	
24	4.51	5.39	7.26	13.36	24.80	16.80	9.44	6.15	6.02	5.17	5.63	5.63	
25	4.95	5.17	7.26	12.93	24.80	16.80	10.12	6.15	5.76	5.39	5.50	5.39	
26	4.84	5.28	6.80	11.82	20.04	17.34	8.18	6.02	5.63	5.39	5.39	5.28	
27	4.73	6.15	6.80	11.82	15.51	20.04	7.72	6.28	5.76	5.28	5.28	5.06	
28	4.84	6.67	6.80	11.48	13.36	37.80	7.03	6.15	5.89	5.39	5.76	5.28	
29	4.73	6.15	6.67	10.80	15.94	44.60	6.80	6.02	6.02	5.28	6.02	5.39	
30	4.62	6.15	6.41	7.72	15.94	43.75	7.26	6.02	5.76	4.95		5.28	
31		6.28		6.54	14.22		7.26		5.76	4.62		5.17	
TOTAL	138.02	158.06	184.79	409.73	442.66	472.20	620.70	207.51	182.59	167.59	149.59	167.94	3301.37 CMSDAY
MEAN	4.60	5.10	6.16	13.22	14.28	15.74	20.02	6.92	5.89	5.41	5.16	5.42	9.02 CMS
MAX	5.28	6.67	7.26	26.75	24.80	44.60	68.80	10.46	6.02	5.76	6.15	6.02	68.80 CMS
MIN	3.60	4.30	5.39	6.54	7.03	8.18	6.80	6.02	5.63	4.62	4.20	4.73	3.60 CMS
RUNOFF	11.925	13.656	15.966	35.401	38.246	40.798	53.628	17.929	15.776	14.480	12.925	14.510	285.239 MCM

MOMENTARY PEAK 72.85 CMS, AT 2.65 M (A.D), AT 1.00 HOURS, ON OCT 3, 1979
RUNOFF YIELD 10.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 83.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

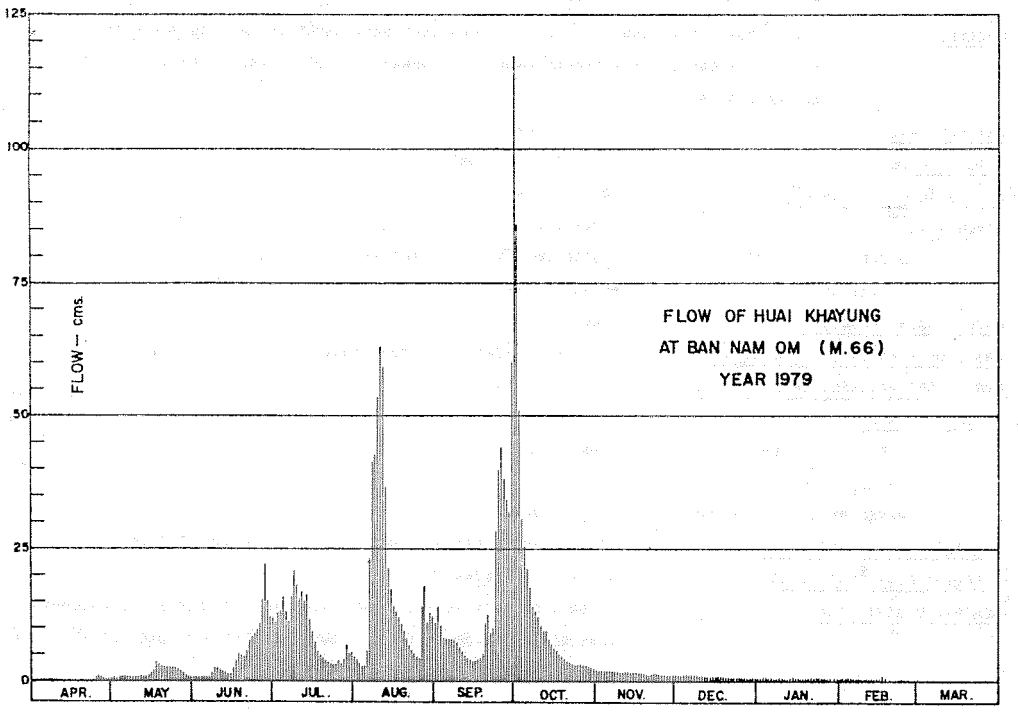
HUAI KHAYUNG AT BAN NAM OM, SI SA KET (M.66)

LOCATION	LAT. 14°38'23" N., LONG. 104°39'45" E., ON RIGHT BANK ABOUT 50 METERS UPSTREAM FROM THE BRIDGE OF KANTHARALAK-DET UDOM ROAD, BAN NAM OM, AMPHOE KANTHARALAK, SI SA KET.
DRAINAGE AREA	586 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S. NO.1
LOCATION	AT THE FOOT OF THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+6.581 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1968, 1972 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1968, 1972 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 30 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.13	0.24	0.32	1.23	0.76	1.19	4.99	0.52	0.37	0.29	0.28	0.20	
2	0.13	0.25	0.31	1.20	0.73	1.38	3.82	0.51	0.37	0.29	0.28	0.19	
3	0.13	0.25	0.32	1.30	0.64	1.13	2.74	0.51	0.37	0.29	0.29	0.19	
4	0.14	0.31	0.29	1.33	0.59	1.02	2.18	0.51	0.37	0.31	0.30	0.19	
5	0.13	0.32	0.29	1.46	0.57	0.99	1.82	0.51	0.37	0.30	0.30	0.18	
6	0.13	0.30	0.31	1.28	0.85	1.00	1.65	0.51	0.36	0.28	0.28	0.19	
7	0.14	0.30	0.33	1.18	1.74	0.99	1.50	0.50	0.35	0.28	0.28	0.18	
8	0.14	0.28	0.48	1.41	2.56	0.99	1.38	0.48	0.35	0.28	0.28	0.18	
9	0.14	0.28	0.55	1.71	2.63	0.93	1.30	0.48	0.35	0.29	0.28	0.18	
10	0.13	0.30	0.55	1.55	3.01	0.88	1.22	0.46	0.35	0.30	0.27	0.18	
11	0.13	0.31	0.52	1.40	3.37	0.83	1.14	0.46	0.35	0.28	0.27	0.19	
12	0.13	0.32	0.48	1.51	3.18	0.77	1.07	0.46	0.35	0.28	0.26	0.18	
13	0.13	0.32	0.45	1.43	2.21	0.74	1.07	0.46	0.34	0.28	0.27	0.18	
14	0.12	0.35	0.40	1.47	1.74	0.71	0.96	0.47	0.34	0.33	0.25	0.19	
15	0.12	0.39	0.39	1.27	1.52	0.68	0.91	0.46	0.34	0.33	0.25	0.20	
16	0.15	0.39	0.62	1.10	1.38	0.70	0.88	0.46	0.33	0.31	0.25	0.19	
17	0.14	0.49	0.71	0.95	1.33	0.71	0.84	0.45	0.33	0.32	0.31	0.19	
18	0.15	0.66	0.80	0.84	1.25	0.75	0.81	0.44	0.33	0.29	0.26	0.19	
19	0.15	0.59	0.79	0.78	1.16	0.82	0.77	0.43	0.34	0.28	0.25	0.19	
20	0.14	0.58	0.76	0.74	1.12	1.15	0.74	0.42	0.32	0.28	0.23	0.18	
21	0.14	0.57	0.84	0.72	1.01	1.27	0.69	0.41	0.32	0.28	0.21	0.17	
22	0.14	0.55	0.97	0.69	0.92	1.05	0.67	0.40	0.32	0.31	0.21	0.17	
23	0.14	0.56	1.01	0.65	0.86	1.14	0.64	0.43	0.31	0.32	0.22	0.21	
24	0.16	0.56	1.03	0.62	0.81	1.93	0.62	0.42	0.31	0.30	0.22	0.21	
25	0.33	0.55	1.09	0.63	0.76	2.50	0.59	0.40	0.31	0.29	0.22	0.20	
26	0.31	0.53	1.16	0.68	0.71	2.69	0.61	0.39	0.30	0.29	0.22	0.19	
27	0.26	0.48	1.40	0.61	1.29	2.44	0.60	0.39	0.30	0.29	0.21	0.21	
28	0.23	0.42	1.75	0.70	1.57	2.33	0.59	0.39	0.31	0.28	0.21	0.20	
29	0.21	0.39	1.39	0.92	1.21	2.18	0.58	0.38	0.31	0.28	0.21	0.22	
30	0.25	0.38	1.25	0.80	1.33	3.25	0.56	0.37	0.32	0.29		0.20	
31		0.34		0.83	1.25		0.54		0.30	0.28		0.20	
MEAN	0.16	0.41	0.72	1.06	1.42	1.30	1.24	0.45	0.34	0.29	0.25	0.19	
MAX	0.33	0.66	1.75	1.71	3.37	3.25	4.99	0.52	0.37	0.33	0.31	0.22	4.99
MIN	0.12	0.24	0.29	0.61	0.57	0.68	0.54	0.37	0.30	0.28	0.21	0.17	0.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.21 M (A.D), AT 7.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.07 M (A.D)
LEFT BANK ELEVATION 6.16 M (A.D)
RIGHT BANK ELEVATION 6.86 M (A.D), DRAINAGE AREA 586 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.44	0.92	11.88	4.60	11.24	116.66	2.20	1.22	0.74	0.68	0.20	
2	0.06	0.50	0.86	11.40	4.30	14.44	77.44	2.10	1.22	0.74	0.68	0.18	
3	0.06	0.50	0.92	13.00	3.40	10.28	45.81	2.10	1.22	0.74	0.74	0.18	
4	0.08	0.86	0.74	13.54	2.90	8.52	31.32	2.10	1.22	0.86	0.80	0.18	
5	0.06	0.92	0.74	15.88	2.70	8.04	23.00	2.10	1.22	0.80	0.80	0.16	
6	0.06	0.80	0.86	12.68	5.80	8.20	19.60	2.10	1.16	0.68	0.68	0.18	
7	0.08	0.80	0.98	11.08	21.40	8.04	16.60	2.00	1.10	0.68	0.68	0.16	
8	0.08	0.68	1.88	14.98	40.85	8.04	14.44	1.88	1.10	0.68	0.68	0.16	
9	0.08	0.68	2.50	20.80	42.78	7.08	13.00	1.88	1.10	0.74	0.68	0.16	
10	0.06	0.80	2.50	17.60	53.25	6.28	11.72	1.76	1.10	0.80	0.62	0.16	
11	0.06	0.86	2.20	14.80	63.17	5.48	10.44	1.76	1.10	0.68	0.62	0.18	
12	0.06	0.92	1.88	16.80	57.94	4.70	9.32	1.76	1.10	0.68	0.56	0.16	
13	0.06	0.92	1.70	15.34	32.04	4.40	9.32	1.76	1.04	0.68	0.62	0.16	
14	0.04	1.10	1.40	16.06	21.40	4.10	7.56	1.82	1.04	0.98	0.50	0.18	
15	0.04	1.34	1.34	12.52	17.00	3.80	6.76	1.76	1.04	0.98	0.50	0.20	
16	0.10	1.34	3.20	9.80	14.44	4.00	6.28	1.76	0.98	0.86	0.50	0.18	
17	0.08	1.94	4.10	7.40	13.54	4.10	5.64	1.70	0.98	0.92	0.86	0.18	
18	0.10	3.60	5.00	5.64	12.20	4.50	5.16	1.64	0.98	0.74	0.56	0.18	
19	0.10	2.90	4.90	4.80	10.76	5.22	4.70	1.58	1.04	0.68	0.50	0.18	
20	0.08	2.80	4.60	4.40	10.12	10.60	4.40	1.52	0.92	0.68	0.38	0.16	
21	0.08	2.70	5.64	4.20	8.36	12.52	3.90	1.46	0.92	0.68	0.26	0.14	
22	0.08	2.50	7.72	3.90	6.92	9.00	3.70	1.40	0.92	0.86	0.26	0.14	
23	0.08	2.60	8.36	3.50	5.96	10.44	3.40	1.58	0.86	0.92	0.32	0.26	
24	0.12	2.60	8.68	3.20	5.16	25.32	3.20	1.52	0.86	0.80	0.32	0.26	
25	0.98	2.50	9.64	3.20	4.60	39.20	2.90	1.40	0.86	0.74	0.32	0.20	
26	0.86	2.30	10.76	3.80	4.10	44.44	3.10	1.34	0.80	0.74	0.32	0.18	
27	0.56	1.88	14.80	3.10	12.84	37.64	3.00	1.34	0.80	0.74	0.26	0.26	
28	0.38	1.52	21.60	4.00	18.00	34.92	2.90	1.34	0.86	0.68	0.26	0.20	
29	0.26	1.34	14.62	6.92	11.56	31.32	2.80	1.28	0.86	0.68	0.26	0.32	
30	0.50	1.28	12.20	5.00	13.54	59.87	2.60	1.22	0.92	0.74		0.20	
31		1.04		5.48	12.20		2.40		0.80	0.68		0.20	
TOTAL	5.30	46.96	157.24	296.80	537.83	445.83	473.07	51.16	31.34	23.60	15.22	5.84	2090.19 CMSDAY
MEAN	0.18	1.51	5.24	9.57	17.35	14.86	15.26	1.71	1.01	0.76	0.52	0.19	5.71 CMS
MAX	0.98	3.60	21.60	20.80	63.17	59.87	116.66	2.20	1.22	0.98	0.86	0.32	116.66 CMS
MIN	0.04	0.44	0.74	3.10	2.70	3.80	2.40	1.22	0.80	0.68	0.26	0.14	0.04 CMS
RUNOFF	0.458	4.057	13.586	25.643	46.468	38.520	40.873	4.420	2.708	2.039	1.315	0.505	180.592 MCM

MOMENTARY PEAK 124.36 CMS, AT 5.21 M (A.D), AT 7.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 9.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 212.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM SE BOK AT BAN THA BO BAENG, UBON RATCHATHANI (M.69)

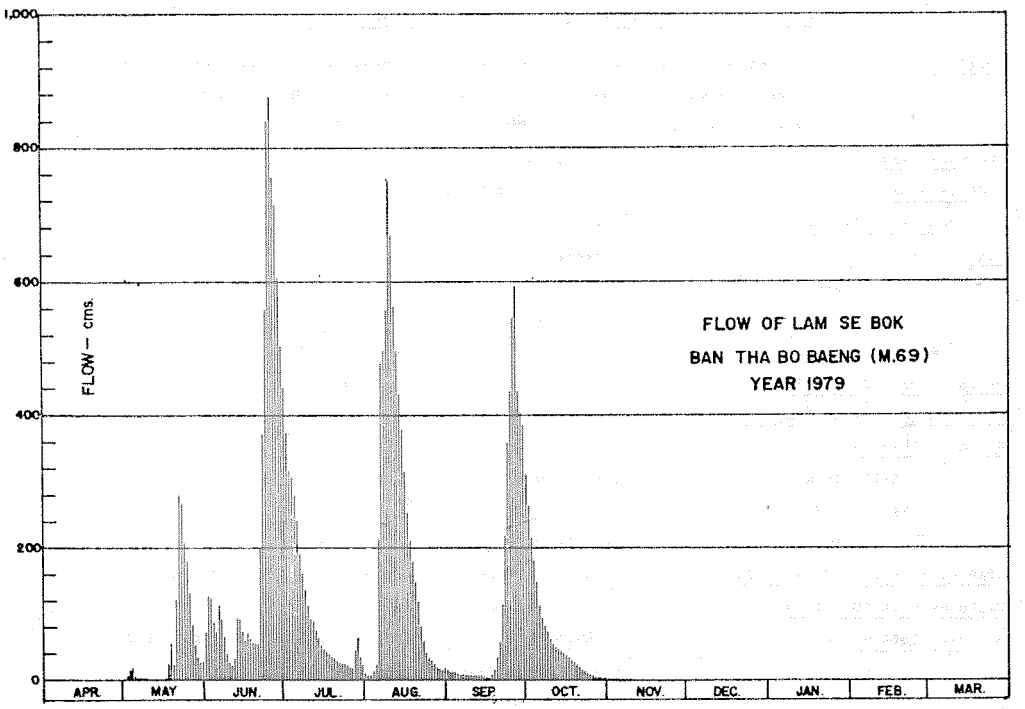
LOCATION — LAT. 15°30'11" N., LONG. 104°58'01" E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM THE BRIDGE OF UBON-TRAKAN PHUTPHON HIGHWAY, AMPHOE TRAKAN PHUTPHON, UBON RATCHATHANI.

DRAINAGE AREA	2,132 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	BESIDE THE LADDER OF AUTOMATIC GAGE BUILDING.
ELEVATION	+9.985 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW IS EFFECTED BY BACKWATER OF MUN RIVER.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.81	2.79	9.01	2.19	2.73	7.83	1.33	0.82	0.71	0.61	0.61	
2	0.77	0.82	4.66	8.49	1.96	2.52	7.30	1.23	0.81	0.71	0.62	0.60	
3	0.77	1.79	4.60	7.95	1.91	2.49	6.73	1.22	0.80	0.71	0.64	0.60	
4	0.77	1.90	4.02	7.84	1.95	2.36	6.25	1.18	0.80	0.70	0.65	0.60	
5	0.77	1.29	3.31	7.53	2.15	2.21	5.80	1.14	0.79	0.68	0.65	0.60	
6	0.77	1.08	4.41	6.98	5.41	2.06	5.35	1.11	0.78	0.68	0.65	0.59	
7	0.77	0.99	4.03	6.41	3.44	2.11	4.97	1.07	0.79	0.67	0.66	0.59	
8	0.76	0.92	3.34	5.94	8.48	2.00	4.68	1.06	0.79	0.66	0.64	0.57	
9	0.75	0.89	2.69	5.68	9.12	1.86	4.44	1.03	0.78	0.65	0.64	0.56	
10	0.74	0.92	2.27	5.23	10.27	1.87	4.21	1.01	0.77	0.65	0.64	0.55	
11	0.75	0.94	2.02	4.83	10.14	1.83	4.08	1.00	0.78	0.65	0.64	0.54	
12	0.76	0.91	2.40	4.82	9.79	1.86	3.98	0.99	0.77	0.65	0.63	0.54	
13	0.75	0.89	4.03	4.60	9.33	1.86	3.89	0.98	0.77	0.65	0.63	0.53	
14	0.76	0.90	3.99	4.24	8.83	1.78	3.79	0.97	0.76	0.65	0.64	0.53	
15	0.76	0.89	3.37	4.01	8.34	1.74	3.69	0.95	0.75	0.65	0.64	0.53	
16	0.77	0.89	3.18	3.93	7.83	1.69	3.58	0.95	0.74	0.65	0.63	0.52	
17	0.76	0.90	3.48	3.80	7.31	1.65	3.48	0.93	0.74	0.65	0.63	0.53	
18	0.75	2.52	3.21	3.67	6.78	1.67	3.37	0.91	0.73	0.65	0.63	0.54	
19	0.76	3.16	3.09	3.56	6.31	1.84	3.24	0.90	0.73	0.65	0.62	0.56	
20	0.80	2.21	3.16	3.43	5.85	2.67	3.08	0.90	0.72	0.65	0.60	0.57	
21	0.80	4.75	3.01	3.31	5.28	3.08	2.88	0.89	0.72	0.64	0.59	0.58	
22	0.80	6.70	5.90	3.20	4.78	4.25	2.65	0.88	0.72	0.64	0.58	0.58	
23	0.80	6.62	7.51	3.06	4.31	6.12	2.42	0.87	0.72	0.64	0.59	0.58	
24	0.79	5.92	9.17	3.08	3.82	7.41	2.19	0.87	0.72	0.64	0.60	0.58	
25	0.78	5.54	10.75	2.99	3.40	8.10	1.99	0.87	0.73	0.64	0.60	0.58	
26	0.79	4.73	11.02	2.88	3.29	8.86	1.82	0.86	0.73	0.64	0.60	0.59	
27	0.79	3.76	10.82	2.71	3.10	9.24	1.68	0.85	0.72	0.65	0.61	0.58	
28	0.79	3.01	10.40	3.94	2.88	9.08	1.58	0.84	0.71	0.66	0.60	0.57	
29	0.79	2.55	9.99	4.23	2.74	8.75	1.50	0.84	0.71	0.66	0.60	0.59	
30	0.80	2.30	9.53	3.36	2.66	8.31	1.43	0.82	0.71	0.65		0.60	
31		2.34		2.64	2.79		1.38		0.71	0.63		0.60	
MEAN	0.77	2.38	5.20	4.75	5.53	3.80	3.72	0.98	0.75	0.66	0.62	0.57	
MAX	0.80	6.70	11.02	9.01	10.27	9.24	7.83	1.33	0.82	0.71	0.66	0.61	11.02
MIN	0.74	0.81	2.02	2.64	1.91	1.65	1.38	0.82	0.71	0.63	0.58	0.52	0.52

ANNUAL MAX MOMENTARY GAGE HEIGHT 11.10 M (A.D.), AT 16.00 HOURS, ON JUN 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.53 M (A.D.)
LEFT BANK ELEVATION 11.39 M (A.D.)
RIGHT BANK ELEVATION 12.39 M (A.D.), DRAINAGE AREA 2132 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.37	41.60	428.30	9.90	16.60	302.70	1.30	0.22	0.11	0.01	0.01	
2	0.24	0.44	126.60	364.30	7.60	13.30	255.00	0.72	0.21	0.11	0.02	0.00	
3	0.25	13.85	123.00	313.50	7.10	12.90	207.40	0.68	0.20	0.11	0.04	0.00	
4	0.25	16.50	93.00	303.60	17.75	11.80	171.50	0.58	0.20	0.10	0.05	0.00	
5	0.25	6.35	62.40	275.75	22.75	10.10	142.00	0.54	0.19	0.08	0.05	0.00	
6	0.25	3.20	112.50	227.40	174.15	8.60	115.00	0.51	0.18	0.08	0.05	0.00	
7	0.25	1.90	94.50	182.70	478.60	9.10	95.50	0.47	0.19	0.07	0.06	0.00	
8	0.24	1.20	63.60	150.40	484.20	8.00	81.00	0.46	0.19	0.06	0.04	0.00	
9	0.22	0.93	37.70	134.80	573.80	6.60	69.60	0.43	0.18	0.05	0.04	0.00	
10	0.21	1.20	25.75	108.50	747.20	6.70	60.40	0.41	0.17	0.05	0.04	0.00	
11	0.22	1.40	19.50	88.50	618.60	6.30	55.20	0.40	0.18	0.05	0.04	0.00	
12	0.24	1.10	29.00	88.00	552.10	6.60	51.20	0.39	0.17	0.05	0.03	0.00	
13	0.22	0.93	93.50	77.00	474.50	6.60	47.60	0.38	0.17	0.05	0.03	0.00	
14	0.24	1.00	91.50	61.60	404.90	5.80	43.70	0.37	0.16	0.05	0.04	0.00	
15	0.24	0.93	64.80	52.40	349.00	5.40	40.70	0.35	0.15	0.05	0.04	0.00	
16	0.25	0.93	57.20	49.20	302.70	4.90	37.40	0.35	0.14	0.05	0.03	0.00	
17	0.24	1.00	69.20	44.00	255.90	4.50	34.40	0.33	0.14	0.06	0.03	0.00	
18	0.22	32.60	58.40	40.10	211.40	12.05	31.10	0.31	0.13	0.05	0.03	0.00	
19	0.24	56.40	53.60	36.80	175.70	15.00	27.20	0.30	0.13	0.05	0.02	0.00	
20	0.30	24.25	56.40	32.90	145.00	37.10	23.60	0.30	0.12	0.05	0.00	0.00	
21	0.30	132.00	50.40	29.30	111.00	53.20	19.60	0.29	0.12	0.04	0.00	0.00	
22	0.30	278.00	208.00	26.00	86.00	104.50	15.25	0.28	0.12	0.04	0.00	0.00	
23	0.30	270.00	363.10	23.20	64.40	225.60	12.20	0.27	0.12	0.04	0.00	0.00	
24	0.28	209.60	580.80	23.60	44.80	352.10	9.90	0.27	0.12	0.04	0.00	0.00	
25	0.27	182.60	828.50	21.80	32.00	433.00	8.00	0.27	0.13	0.04	0.00	0.00	
26	0.28	130.80	874.40	19.80	28.70	537.40	6.20	0.26	0.13	0.04	0.00	0.00	
27	0.28	80.70	790.80	16.20	24.00	591.00	4.80	0.25	0.12	0.05	0.00	0.00	
28	0.28	50.40	674.00	49.60	19.60	437.40	3.80	0.24	0.11	0.06	0.00	0.00	
29	0.28	33.50	590.10	61.20	16.80	394.50	3.00	0.24	0.11	0.06	0.00	0.00	
30	0.30	26.50	504.80	30.80	15.40	346.00	2.30	0.22	0.11	0.05		0.00	
31		27.50		15.10	17.80		1.80		0.11	0.03		0.00	
TOTAL	7.68	1588.08	6838.65	3376.05	6473.34	3682.65	1979.05	12.17	4.72	1.82	0.69	0.01	23964.89 CMSDAY
MEAN	0.26	51.23	227.95	108.90	208.82	122.75	63.84	0.41	0.15	0.06	0.02	0.00	65.48 CMS
MAX	0.30	278.00	874.40	428.30	747.20	591.00	302.70	1.30	0.22	0.11	0.06	0.01	874.40 CMS
MIN	0.21	0.37	19.50	15.10	7.10	4.50	1.80	0.22	0.11	0.03	0.00	0.00	0.00 CMS
RUNOFF	0.664	137.210	590.859	291.690	559.297	318.181	170.990	1.051	0.408	0.157	0.060	0.001	2070.566 MCM

MOMENTARY PEAK 888.00 CMS, AT 888.00 M (A.D), AT 16.00 HOURS, ON JUN 26, 1979

RUNOFF YIELD 30.71 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 416.51 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI KWANG AT BAN KAENG YANG, UBON RATCHATHANI (M.75)

LOCATION — LAT. 15°-09'-53" N., LONG. 105°-17'-01" E., ON LEFT BANK AT THE BRIDGE OF PHIBUN MANGSAHAN-CHONG MEK HIGHWAY NEAR WAT PA THEPBUROM, AMPHOE PHIBUN MANGSAHAN, UBON RATCHATHANI.

DRAINAGE AREA — 388 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — ABOUT 9 METERS FROM THE BANK AT WAT PA THEPBUROM.

ELEVATION — +6.775 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

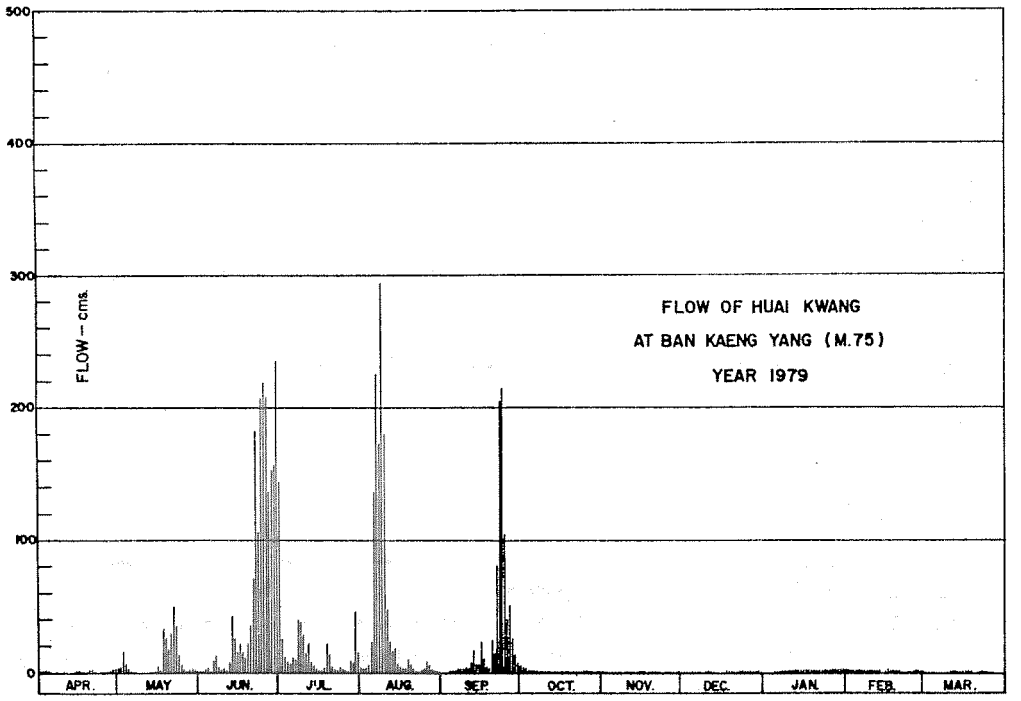
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.48	1.63	1.40	4.47	1.62	1.35	1.70	1.51	1.44	0.88	1.54	1.54	
2	1.49	1.67	1.36	2.18	1.69	1.20	1.64	1.49	1.44	0.90	1.54	1.45	
3	1.39	1.95	1.71	1.86	1.66	1.30	1.60	1.47	1.44	1.10	1.56	1.47	
4	1.16	1.68	1.49	1.79	1.65	1.50	1.54	1.47	1.39	1.26	1.57	1.41	
5	1.16	1.54	1.31	1.77	2.03	1.53	1.50	1.45	1.38	1.54	1.58	1.43	
6	1.03	1.44	1.92	1.90	5.21	1.48	1.46	1.44	1.36	1.56	1.59	1.47	
7	1.04	1.37	1.86	1.89	6.62	1.72	1.28	1.44	1.39	1.52	1.59	1.44	
8	1.03	1.26	1.73	2.71	5.62	1.63	1.18	1.43	1.35	1.54	1.56	1.28	
9	1.30	0.87	1.61	2.63	7.72	1.58	1.21	1.43	1.34	1.54	1.52	1.22	
10	1.40	0.97	1.64	2.03	6.85	1.69	1.24	1.44	1.37	1.48	1.52	1.25	
11	1.27	1.18	1.48	1.88	3.15	1.62	1.19	1.43	1.40	1.53	1.53	1.50	
12	0.93	1.19	1.64	2.13	2.06	1.80	1.06	1.29	1.41	1.52	1.58	1.49	
13	0.93	1.05	2.80	1.82	1.94	1.97	1.14	1.41	1.44	1.52	1.59	1.50	
14	1.09	1.05	2.14	1.68	2.00	1.74	1.20	1.42	1.37	1.49	1.56	1.44	
15	1.44	1.20	1.96	1.57	1.79	1.72	1.20	1.39	0.08	1.51	1.28	1.47	
16	1.51	1.67	2.10	1.50	1.77	2.15	1.21	1.38	0.98	1.51	1.36	1.51	
17	1.31	1.45	1.94	1.63	1.68	1.88	1.26	1.22	1.26	1.56	1.57	1.46	
18	1.37	2.52	1.82	1.67	1.65	1.73	1.42	1.34	1.57	1.54	1.57	1.49	
19	1.50	2.20	2.19	2.15	1.89	1.56	1.41	1.42	1.54	1.54	1.58	1.51	
20	1.54	1.98	2.49	1.93	1.72	2.23	1.28	1.40	1.51	1.56	1.58	1.24	
21	1.60	2.30	3.33	1.67	1.60	1.91	1.29	1.40	1.43	1.57	1.59	1.07	
22	1.43	2.97	5.82	1.54	1.47	3.91	1.41	1.42	1.46	1.57	1.58	1.08	
23	1.29	2.29	4.30	1.51	1.42	6.26	1.40	1.40	1.54	1.57	1.44	1.49	
24	1.45	1.82	6.24	1.70	1.48	6.40	1.41	1.37	1.56	1.58	1.46	1.28	
25	1.38	1.69	6.47	1.58	1.53	4.84	1.46	1.40	1.53	1.59	1.36	1.42	
26	1.36	1.56	6.27	1.43	1.86	2.65	1.48	1.41	1.50	1.60	1.48	1.44	
27	1.38	1.37	3.67	1.31	1.72	3.00	1.49	1.37	1.52	1.60	1.55	1.38	
28	1.39	1.50	2.43	1.90	1.62	2.18	1.50	1.34	1.50	1.59	1.53	1.36	
29	1.58	1.56	5.07	1.75	1.55	1.86	1.48	1.36	1.48	1.58	1.54	1.27	
30	1.57	1.61	6.75	2.91	1.50	1.75	1.48	1.42	1.52	1.57		1.23	
31		1.48		1.95	1.46		1.50		1.48	1.56		1.36	
MEAN	1.33	1.61	2.90	1.95	2.50	2.27	1.37	1.41	1.41	1.48	1.53	1.39	
MAX	1.60	2.97	6.75	4.47	7.72	6.40	1.70	1.51	1.57	1.60	1.59	1.54	7.72
MIN	0.93	0.87	1.31	1.31	1.42	1.20	1.06	1.22	0.88	0.88	1.28	1.07	0.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.36 M (A.D.), AT 14.00 HOURS, ON AUG 9, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.04 M (A.D.)

LEFT BANK ELEVATION 8.88 M (A.D.)

RIGHT BANK ELEVATION 8.87 M (A.D.), DRAINAGE AREA 388 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.80	3.60	1.00	114.50	3.40	0.65	5.00	2.10	1.40	0.00	2.40	2.40	
2	1.90	4.40	0.72	24.90	4.80	0.00	3.80	1.90	1.40	0.00	2.40	1.50	
3	0.93	16.25	5.30	10.70	4.20	0.30	3.00	1.70	1.40	0.00	2.60	1.70	
4	0.00	4.60	1.90	7.70	4.00	2.00	2.40	1.70	0.93	0.18	2.70	1.10	
5	0.00	2.40	0.37	7.10	20.75	2.30	2.00	1.50	0.86	2.40	2.80	1.30	
6	0.00	1.40	14.00	12.50	151.50	1.80	1.60	1.40	0.72	2.60	2.90	1.70	
7	0.00	0.79	10.70	12.05	228.20	5.60	0.24	1.40	0.93	2.20	2.90	1.40	
8	0.00	0.18	5.90	41.35	172.10	3.60	0.00	1.30	0.65	2.40	2.60	0.24	
9	0.30	0.00	3.20	38.55	294.20	2.80	0.03	1.30	0.58	2.40	2.20	0.06	
10	1.00	0.00	3.80	20.75	242.00	4.80	0.12	1.40	0.79	1.80	2.20	0.15	
11	0.21	0.00	1.80	11.60	58.00	3.40	0.00	1.30	1.00	2.30	2.30	2.00	
12	0.00	0.00	3.80	23.40	21.50	8.00	0.00	0.27	1.10	2.20	2.80	1.90	
13	0.00	0.00	44.50	8.90	15.50	18.50	0.00	1.10	1.40	2.20	2.90	2.00	
14	0.00	0.00	23.70	4.60	20.00	6.20	0.00	1.20	0.79	1.90	2.60	1.40	
15	1.40	0.00	17.00	2.70	7.70	5.60	0.00	0.93	0.00	2.10	0.24	1.70	
16	2.10	4.40	22.50	2.00	7.10	24.00	0.03	0.86	0.00	2.10	0.72	2.10	
17	0.37	1.50	15.50	3.60	4.60	11.60	0.18	0.06	0.18	2.60	2.70	1.60	
18	0.79	35.10	8.90	4.40	4.00	5.90	1.20	0.58	2.70	2.40	2.70	1.90	
19	2.00	25.50	25.20	24.00	12.05	2.60	1.10	1.20	2.40	2.40	2.80	2.10	
20	2.40	18.50	34.20	14.75	5.60	26.40	0.24	1.00	2.10	2.60	2.80	0.12	
21	3.00	28.50	65.20	4.40	3.00	13.25	0.27	1.00	1.30	2.70	2.90	0.00	
22	1.30	50.80	183.10	2.40	1.70	88.40	1.10	1.20	1.60	2.70	2.80	0.00	
23	0.27	28.20	106.00	2.10	1.20	207.30	1.00	1.00	2.40	2.70	1.40	1.90	
24	1.50	8.90	206.20	5.00	1.80	215.00	1.10	0.79	2.60	2.80	1.60	0.24	
25	0.86	4.80	219.20	2.80	2.30	133.00	1.60	1.00	2.30	2.90	0.72	1.20	
26	0.72	2.60	207.85	1.30	10.70	39.25	1.80	1.10	2.00	3.00	1.80	1.40	
27	0.86	0.79	78.80	0.37	5.60	52.00	1.90	0.79	2.20	3.00	2.50	0.86	
28	0.93	2.00	32.40	12.50	3.40	24.90	2.00	0.58	2.00	2.90	2.30	0.72	
29	2.80	2.60	144.50	6.50	2.50	10.70	1.80	0.72	1.80	2.80	2.40	0.21	
30	2.70	3.20	236.00	48.40	2.00	6.50	1.80	1.20	2.20	2.70		0.09	
31		1.80		16.25	1.60		2.00		1.80	2.60		0.72	
TOTAL	30.14	252.81	1723.24	492.07	1317.00	926.35	37.31	33.58	43.53	67.58	66.68	35.71	5025.99 CMSDAY
MEAN	1.00	8.16	57.44	15.87	42.48	30.88	1.20	1.12	1.40	2.18	2.30	1.15	13.73 CMS
MAX	3.00	50.80	236.00	114.50	294.20	215.00	5.00	2.10	2.70	3.00	2.90	2.40	294.20 CMS
MIN	0.00	0.00	0.37	0.37	1.20	0.00	0.00	0.06	0.00	0.00	0.24	0.00	0.00 CMS
RUNOFF	2.604	21.843	148.888	42.515	113.789	80.037	3.224	2.901	3.761	5.839	5.761	3.085	434.246 MCM

MOMENTARY PEAK 337.20 CMS, AT 8.36 M (A.D), AT 14.00 HOURS, ON AUG 9, 1979

RUNOFF YIELD 35.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 869.07 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM DOM YAI AT DET UDOM, UBON RATCHATHANI (M.80)

LOCATION — LAT. 14°-53'-53" N., LONG. 105°-05'-08" E., ON LEFT BANK ABOUT 20 METERS DOWNSTREAM SIDE OF THE BRIDGE OF BAN THARIK ROAD, AMPHOE DET UDOM, UBON RATCHATHANI.

DRAINAGE AREA — 3,363 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +11.826 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

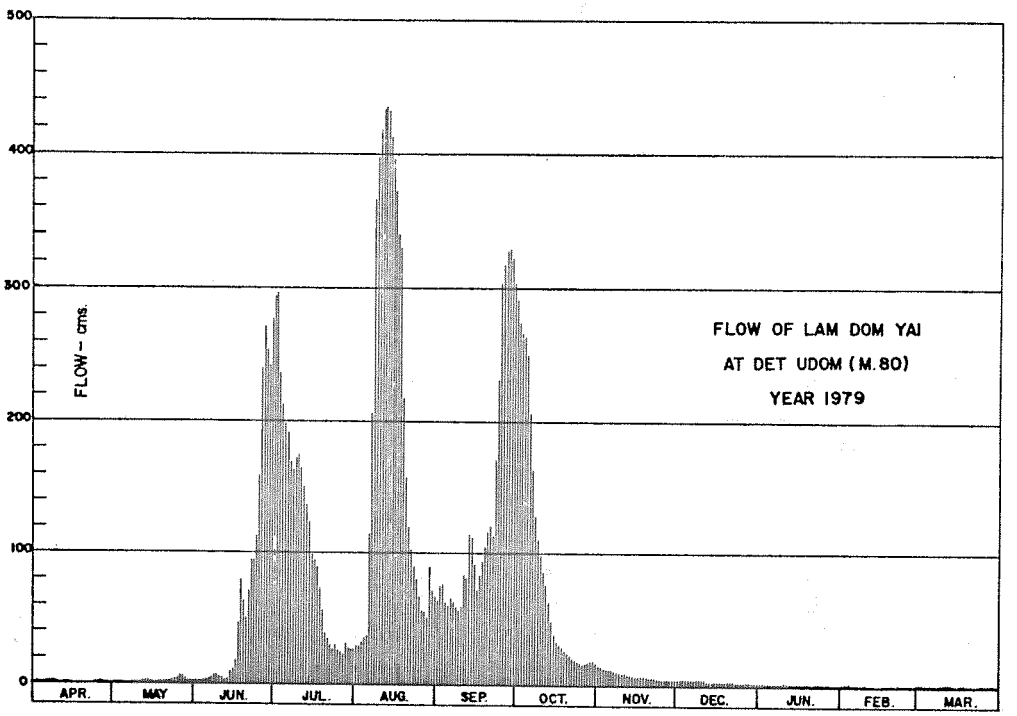
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	0.58	0.78	7.98	1.97	2.86	7.84	1.45	1.00	0.82	0.71	0.63	
2	0.57	0.57	0.76	7.48	2.01	3.23	7.56	1.42	1.00	0.82	0.70	0.63	
3	0.60	0.60	0.77	6.52	2.09	3.28	7.38	1.37	1.00	0.81	0.69	0.63	
4	0.62	0.58	0.80	6.11	2.20	2.92	7.38	1.36	0.99	0.80	0.68	0.64	
5	0.62	0.57	0.86	6.11	2.24	2.88	7.19	1.34	0.99	0.80	0.68	0.64	
6	0.60	0.56	0.93	5.91	4.40	3.00	6.40	1.31	0.98	0.80	0.70	0.64	
7	0.59	0.56	1.00	5.47	7.82	2.96	5.31	1.30	0.96	0.80	0.70	0.63	
8	0.59	0.63	1.13	5.36	9.31	2.83	4.56	1.28	0.96	0.79	0.68	0.63	
9	0.58	0.70	1.15	5.55	9.76	2.74	4.13	1.27	0.96	0.78	0.68	0.63	
10	0.58	0.69	1.04	5.61	10.19	2.82	3.82	1.23	0.95	0.78	0.67	0.64	
11	0.57	0.68	0.94	5.35	10.46	3.44	3.57	1.23	0.93	0.78	0.68	0.64	
12	0.57	0.72	0.90	5.01	10.55	3.36	3.32	1.23	0.93	0.78	0.68	0.63	
13	0.57	0.81	0.89	4.77	10.43	4.19	3.00	1.21	0.93	0.76	0.66	0.62	
14	0.56	0.82	1.23	4.37	10.19	4.18	2.86	1.19	0.92	0.74	0.66	0.62	
15	0.56	0.79	1.32	3.79	9.84	3.34	2.30	1.17	0.92	0.74	0.66	0.62	
16	0.56	0.77	1.55	3.69	9.43	3.14	2.15	1.16	0.91	0.74	0.66	0.62	
17	0.56	0.74	2.36	3.52	8.73	3.45	2.08	1.15	0.90	0.73	0.65	0.62	
18	0.57	0.72	3.36	3.22	7.81	3.71	2.00	1.13	0.90	0.73	0.65	0.62	
19	0.57	0.73	2.83	2.73	6.74	3.98	1.90	1.11	0.90	0.73	0.65	0.62	
20	0.55	0.76	2.59	2.30	5.45	4.22	1.82	1.11	0.90	0.72	0.64	0.62	
21	0.56	0.86	3.35	2.09	4.39	4.32	1.75	1.09	0.89	0.72	0.66	0.61	
22	0.59	0.85	3.71	1.97	3.89	4.17	1.70	1.08	0.88	0.72	0.65	0.61	
23	0.59	0.84	3.72	1.87	3.65	5.51	1.64	1.07	0.87	0.72	0.65	0.62	
24	0.59	1.06	4.13	2.01	3.38	7.58	1.59	1.06	0.87	0.72	0.65	0.62	
25	0.66	1.11	5.38	1.93	3.07	8.17	1.55	1.05	0.87	0.71	0.66	0.62	
26	0.66	1.10	6.80	1.73	2.72	8.42	1.56	1.04	0.85	0.71	0.66	0.63	
27	0.63	1.03	7.52	1.75	2.75	8.61	1.54	1.04	0.84	0.71	0.64	0.62	
28	0.62	0.96	7.29	1.99	2.49	8.63	1.54	1.03	0.84	0.72	0.63	0.62	
29	0.62	0.90	6.70	1.93	3.56	8.52	1.62	1.02	0.84	0.72	0.62	0.62	
30	0.60	0.84	7.49	1.92	3.17	8.33	1.56	1.01	0.83	0.72		0.62	
31		0.82		1.89	3.05		1.49		0.83	0.71		0.62	
MEAN	0.59	0.77	2.78	3.93	5.73	4.63	3.35	1.18	0.91	0.75	0.67	0.63	
MAX	0.66	1.11	7.52	7.98	10.55	8.63	7.84	1.45	1.00	0.82	0.71	0.64	10.55
MIN	0.55	0.56	0.76	1.73	1.97	2.74	1.49	1.01	0.83	0.71	0.62	0.61	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.58 M (A.D.), AT 7:00 HOURS, ON AUG 12, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.00 M (A.D.)
LEFT BANK ELEVATION 13.64 M (A.D.)
RIGHT BANK ELEVATION 12.45 M (A.D.), DRAINAGE AREA 3363 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.48	0.64	2.24	293.00	29.10	59.40	286.00	14.90	5.00	2.60	1.68	1.04	
2	0.56	0.56	2.08	268.00	30.30	74.20	272.00	14.12	5.00	2.60	1.60	1.04	
3	0.80	0.80	2.16	220.00	32.70	76.20	263.00	12.82	5.00	2.50	1.52	1.04	
4	0.96	0.64	2.40	199.50	36.00	61.80	263.00	12.56	4.84	2.40	1.44	1.12	
5	0.96	0.56	3.00	199.50	37.20	60.20	253.50	12.04	4.84	2.40	1.44	1.12	
6	0.80	0.48	3.88	189.50	121.00	65.00	214.00	11.26	4.68	2.40	1.60	1.12	
7	0.72	0.48	5.00	167.50	285.00	63.40	159.95	11.00	4.36	2.40	1.60	1.04	
8	0.72	1.04	7.14	162.20	365.05	58.20	127.40	10.48	4.36	2.32	1.44	1.04	
9	0.64	1.60	7.50	171.50	389.80	54.60	110.20	10.22	4.36	2.24	1.44	1.04	
10	0.64	1.52	5.64	174.50	413.45	57.80	97.80	9.18	4.20	2.24	1.36	1.12	
11	0.56	1.44	4.04	161.75	428.30	82.60	87.80	9.18	3.88	2.24	1.44	1.12	
12	0.56	1.76	3.40	146.45	433.25	79.40	77.80	9.18	3.88	2.24	1.44	1.04	
13	0.56	2.50	3.30	135.80	426.65	112.60	65.00	8.66	3.88	2.09	1.28	0.96	
14	0.48	2.60	9.18	119.80	413.45	112.20	48.10	8.22	3.72	1.92	1.20	0.96	
15	0.48	2.32	11.52	96.60	394.20	78.60	39.00	7.86	3.72	1.92	1.28	0.96	
16	0.48	2.16	17.50	92.60	371.65	70.60	34.50	7.68	3.56	1.92	1.28	0.96	
17	0.48	1.92	41.10	85.80	333.15	83.00	32.40	7.50	3.40	1.84	1.20	0.96	
18	0.56	1.76	79.40	73.80	284.50	93.40	30.00	7.14	3.40	1.84	1.20	0.96	
19	0.56	1.84	58.20	54.20	231.00	104.20	27.00	6.78	3.40	1.84	1.20	1.04	
20	0.40	2.08	49.15	39.00	166.50	113.80	24.60	6.78	3.40	1.76	1.12	0.96	
21	0.48	3.00	79.00	32.70	120.60	117.80	22.70	6.44	3.30	1.76	1.28	0.88	
22	0.72	2.90	93.40	29.10	100.60	111.80	21.40	6.28	3.20	1.76	1.20	0.88	
23	0.72	2.80	93.80	26.10	91.00	169.50	19.84	6.12	3.10	1.76	1.20	0.96	
24	0.72	5.96	110.20	30.30	80.20	273.00	18.54	5.96	3.10	1.76	1.20	0.96	
25	1.28	6.78	163.10	24.90	67.80	302.50	17.50	5.80	3.10	1.68	1.28	0.96	
26	1.28	6.60	234.00	22.18	53.80	316.10	17.76	5.64	2.90	1.68	1.28	1.04	
27	1.04	5.48	270.00	22.70	55.00	326.55	17.24	5.64	2.80	1.68	1.12	0.96	
28	0.96	4.36	258.50	29.70	45.65	327.65	17.24	5.48	2.80	1.76	1.04	0.96	
29	0.96	3.40	229.00	27.90	87.40	321.60	19.36	5.32	2.80	1.76	0.96	0.96	
30	0.80	2.80	268.50	27.60	71.80	311.15	17.76	5.16	2.70	1.76		0.96	
31		2.60		26.70	67.00		15.94		2.70	1.68		0.96	
TOTAL	21.36	75.38	2117.33	3350.87	6063.10	4138.85	2718.29	255.40	115.38	62.74	38.32	31.12	18988.12 CMSDAY
MEAN	0.71	2.43	70.58	108.09	195.58	137.96	87.69	8.51	3.72	2.02	1.32	1.00	51.88 CMS
MAX	1.28	6.78	270.00	293.00	433.25	327.65	286.00	14.90	5.00	2.60	1.68	1.12	433.25 CMS
MIN	0.40	0.48	2.08	22.18	29.10	54.60	15.94	5.16	2.70	1.68	0.96	0.88	0.40 CMS
RUNOFF	1.846	6.513	182.937	289.516	523.851	357.596	234.860	22.067	9.969	5.421	3.311	2.689	1640.573 MCM

MOMENTARY PEAK 434.90 CMS, AT 10.58 M (A.D), AT 7.00 HOURS, ON AUG 12, 1979

RUNOFF YIELD 15.43 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 129.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM SAE AT BAN MAP KRAI, NAKHON RATCHASIMA (M.81A)

LOCATION — LAT. 14°-22'-22" N., LONG. 102°-15'-40" E., ON RIGHT BANK ABOUT 4 KILOMETERS UPSTREAM FROM M.81 STATION AT BAN MAP KRAI, TAMBON KHOK KRA CHAI, AMPHOE KHON BURI, NAKHON RATCHASIMA.

DRAINAGE AREA — 433 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +209.767 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — BESIDE THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +216.857 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1970 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1970 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1970 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

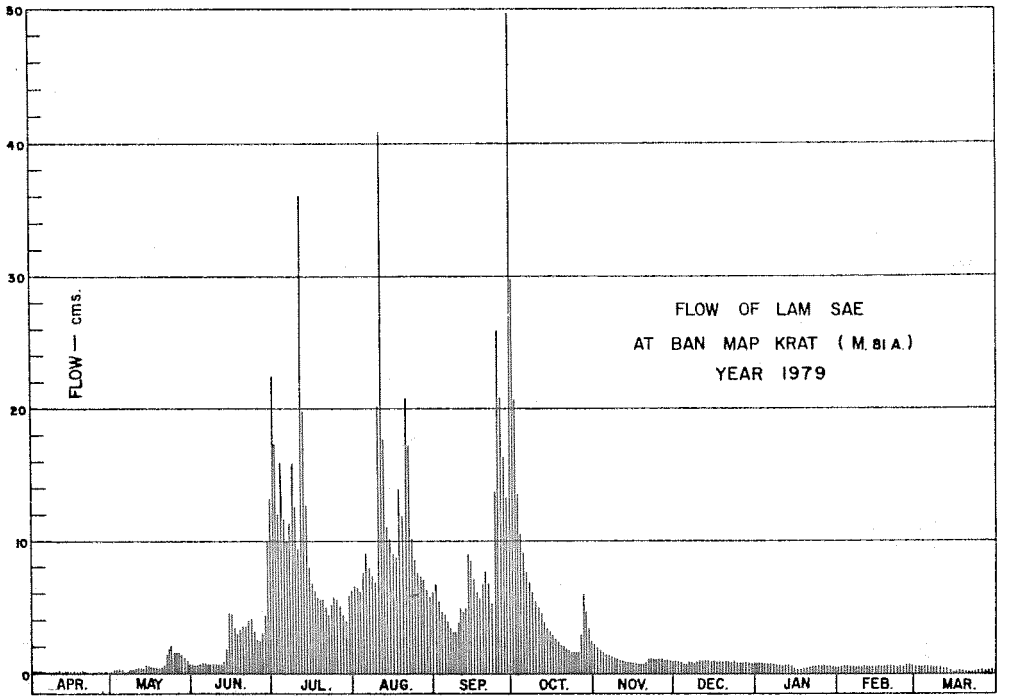
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 175 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	209.77	209.94	210.48	212.98	211.85	211.87	213.09	211.02	210.57	210.48	210.33	210.35	
2	209.73	209.99	210.44	212.72	211.85	211.75	212.68	210.97	210.56	210.47	210.32	210.35	
3	209.74	210.04	210.45	212.40	211.80	211.63	212.46	210.92	210.56	210.46	210.30	210.34	
4	209.75	210.10	210.51	212.65	211.92	211.56	212.31	210.87	210.55	210.45	210.28	210.31	
5	209.76	210.05	210.52	212.50	212.12	211.54	212.15	210.82	210.42	210.44	210.27	210.30	
6	209.77	210.00	210.50	212.20	212.04	211.46	212.02	210.78	210.49	210.43	210.27	210.29	
7	209.76	209.99	210.47	212.25	212.00	211.39	211.92	210.75	210.50	210.43	210.27	210.26	
8	209.76	210.02	210.47	212.49	211.93	211.31	211.83	210.72	210.49	210.40	210.28	210.23	
9	209.75	210.10	210.46	212.65	211.88	211.29	211.75	210.69	210.51	210.39	210.30	210.21	
10	209.75	210.21	210.44	212.31	212.72	211.44	211.66	210.63	210.55	210.37	210.31	210.19	
11	209.74	210.25	210.43	212.13	213.58	211.61	211.59	210.60	210.57	210.37	210.31	210.17	
12	209.76	210.25	210.45	213.46	212.76	211.58	211.51	210.58	210.56	210.34	210.30	210.17	
13	209.76	210.34	210.77	212.69	212.40	211.63	211.44	210.56	210.56	210.30	210.31	210.10	
14	209.75	210.44	211.01	212.26	212.29	212.12	211.37	210.54	210.55	210.27	210.31	209.93	
15	209.75	210.38	211.58	212.05	212.19	212.01	211.30	210.52	210.56	210.28	210.33	209.93	
16	209.74	210.33	211.43	211.91	212.13	211.89	211.24	210.50	210.56	210.12	210.35	209.93	
17	209.74	210.28	211.24	211.81	212.09	211.82	211.17	210.50	210.56	210.11	210.35	209.93	
18	209.74	210.28	211.33	211.76	212.54	211.72	211.11	210.51	210.57	210.16	210.36	209.93	
19	209.73	210.26	211.33	211.71	212.44	211.85	211.06	210.50	210.56	210.20	210.35	209.93	
20	209.72	210.27	211.40	211.72	212.33	211.99	211.02	210.52	210.54	210.22	210.35	209.93	
21	209.74	210.43	211.38	211.66	212.90	211.95	210.98	210.63	210.53	210.29	210.35	209.91	
22	209.73	210.88	211.48	211.57	212.74	211.90	210.93	210.63	210.53	210.37	210.35	209.91	
23	209.74	211.03	211.48	211.52	212.32	211.81	210.89	210.64	210.52	210.39	210.35	209.93	
24	209.75	210.92	211.36	211.73	212.13	212.37	210.87	210.64	210.52	210.39	210.34	209.94	
25	209.76	210.86	211.23	211.75	212.02	213.14	210.86	210.64	210.50	210.40	210.35	210.00	
26	209.71	210.89	211.13	211.71	211.96	212.91	210.86	210.63	210.48	210.39	210.41	210.02	
27	209.73	210.80	211.22	211.63	211.94	212.70	211.33	210.60	210.48	210.40	210.41	210.04	
28	209.74	210.72	211.49	211.53	211.88	212.45	211.78	210.59	210.48	210.38	210.41	210.02	
29	209.75	210.64	212.24	211.45	211.80	213.00	211.40	210.59	210.48	210.34	210.38	210.02	
30	209.76	210.58	212.52	211.72	211.73	213.80	211.21	210.58	210.48	210.32		210.02	
31		210.52		211.82	211.81		211.10		210.48	210.32		210.02	
MEAN	209.75	210.38	211.04	212.09	212.20	211.98	211.51	210.66	210.52	210.34	210.33	210.08	
MAX	209.77	211.03	212.52	213.46	213.58	213.80	213.09	211.02	210.57	210.48	210.41	210.35	213.80
MIN	209.71	209.94	210.43	211.45	211.73	211.29	210.86	210.50	210.42	210.11	210.27	209.91	209.71

ANNUAL MAX MOMENTARY GAGE HEIGHT 214.03 M (MSL), AT 9.00 HOURS, ON JUL 12, 1979
ZERO GAGE AT BOTTOM ELEVATION 209.77 M (MSL), RIVER BED 208.77 M (MSL)
LEFT BANK ELEVATION 217.01 M (MSL)
RIGHT BANK ELEVATION 216.54 M (MSL), DRAINAGE AREA 433 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.14	0.76	22.48	6.55	6.71	24.79	2.12	0.94	0.76	0.53	0.55	
2	0.00	0.19	0.68	17.28	6.55	5.83	16.54	1.96	0.92	0.74	0.52	0.55	
3	0.00	0.24	0.70	12.20	6.15	5.04	12.98	1.81	0.92	0.72	0.50	0.54	
4	0.00	0.30	0.82	16.00	7.12	4.61	11.12	1.68	0.90	0.70	0.48	0.51	
5	0.00	0.25	0.84	13.50	9.06	4.49	9.38	1.55	0.64	0.68	0.47	0.50	
6	0.00	0.20	0.80	9.90	8.22	4.03	8.01	1.45	0.78	0.66	0.47	0.49	
7	0.00	0.19	0.74	10.45	7.80	3.65	7.12	1.38	0.80	0.66	0.47	0.46	
8	0.00	0.22	0.74	13.37	7.20	3.25	6.39	1.30	0.78	0.60	0.48	0.43	
9	0.00	0.30	0.72	16.00	6.79	3.16	5.83	1.22	0.82	0.59	0.50	0.41	
10	0.00	0.41	0.68	11.12	17.28	3.92	5.24	1.07	0.90	0.57	0.51	0.39	
11	0.00	0.45	0.66	9.16	40.80	4.92	4.79	1.00	0.94	0.57	0.51	0.37	
12	0.00	0.45	0.70	36.12	18.04	4.73	4.31	0.96	0.92	0.54	0.50	0.37	
13	0.00	0.54	1.43	16.72	12.20	5.04	3.92	0.92	0.92	0.50	0.51	0.30	
14	0.00	0.68	2.08	10.56	10.89	9.06	3.55	0.88	0.90	0.47	0.51	0.13	
15	0.00	0.58	4.73	8.32	9.79	7.90	3.20	0.84	0.92	0.48	0.53	0.13	
16	0.00	0.53	3.86	7.03	9.16	6.87	2.96	0.80	0.92	0.32	0.55	0.13	
17	0.00	0.48	2.96	6.23	8.75	6.31	2.68	0.80	0.92	0.31	0.55	0.13	
18	0.00	0.48	3.35	5.89	14.14	5.63	2.44	0.82	0.94	0.36	0.56	0.13	
19	0.00	0.46	3.35	5.57	12.72	6.55	2.26	0.80	0.92	0.40	0.55	0.13	
20	0.00	0.47	3.70	5.63	11.36	7.71	2.12	0.84	0.88	0.42	0.55	0.13	
21	0.00	0.66	3.60	5.24	20.80	7.37	1.99	1.07	0.86	0.49	0.55	0.11	
22	0.00	1.70	4.14	4.67	17.66	6.95	1.84	1.07	0.86	0.57	0.55	0.11	
23	0.00	2.16	4.14	4.37	11.24	6.23	1.72	1.10	0.84	0.59	0.55	0.13	
24	0.00	1.81	3.50	5.69	9.16	11.84	1.68	1.10	0.84	0.59	0.54	0.14	
25	0.00	1.65	2.92	5.83	8.01	26.04	1.65	1.10	0.80	0.60	0.55	0.20	
26	0.00	1.72	2.52	5.57	7.46	21.01	1.65	1.07	0.76	0.59	0.62	0.23	
27	0.00	1.50	2.88	5.04	7.29	16.90	3.35	1.00	0.76	0.60	0.62	0.24	
28	0.00	1.30	4.19	4.43	6.79	12.85	6.02	0.98	0.76	0.58	0.62	0.22	
29	0.00	1.10	10.34	3.97	6.15	22.90	3.70	0.98	0.76	0.54	0.58	0.22	
30	0.00	0.96	13.82	5.63	5.69	52.00	2.84	0.96	0.76	0.52		0.22	
31		0.84		6.31	6.23		2.40		0.76	0.52		0.22	
TOTAL	0.00	22.96	86.35	310.28	337.05	293.50	168.47	34.63	26.34	17.24	15.43	8.82	1321.07 CMSDAY
MEAN	0.00	0.74	2.88	10.01	10.87	9.78	5.43	1.15	0.85	0.56	0.53	0.28	3.61 CMS
MAX	0.00	2.16	13.82	36.12	40.80	52.00	24.79	2.12	0.94	0.76	0.62	0.55	52.00 CMS
MIN	0.00	0.14	0.66	3.97	5.69	3.16	1.65	0.80	0.64	0.31	0.47	0.11	0.00 CMS
RUNOFF	0.000	1.984	7.461	26.808	29.121	25.358	14.556	2.992	2.276	1.490	1.333	0.762	114.140 MCM

MOMENTARY PEAK 74.20 CMS, AT 214.03 M (MSL), AT 9.00 HOURS, ON JUL 12, 1979

RUNOFF YIELD 8.34 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 171.36 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

LAM CHI AT BAN CHAROK YAI, BURI RAM (M.85)

LOCATION — LAT. 14°-37'-54" N., LONG. 103°-14'-03" E., ON RIGHT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR KILOMETER MARKER 118-119, TAMBON LAVIA, AMPHOE PRAKHON CHAI, BURI RAM.

DRAINAGE AREA — 1,046 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

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

ELEVATION — +6.546 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1969-1971, 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1970-1971, 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1970-1971, 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

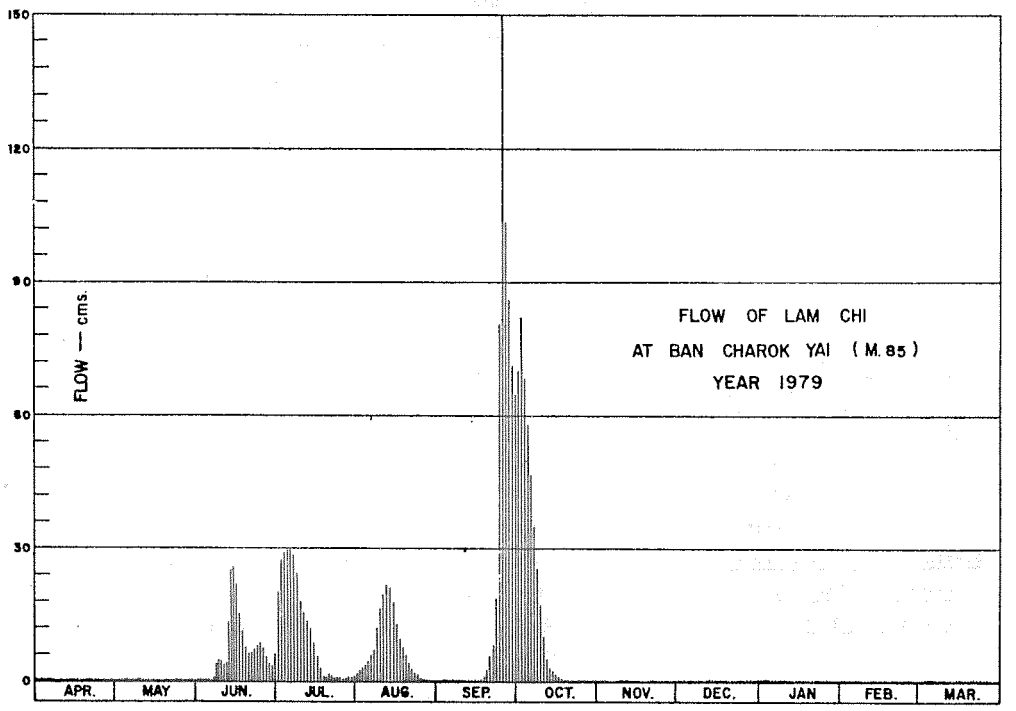
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — STREAM GAGING BEGAN ON MAY 1,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.63	0.78	2.55	1.56	0.89	3.77	0.95	0.64	0.57	0.54	0.51	
2	*******	0.62	0.81	2.95	1.67	0.87	3.86	0.91	0.63	0.57	0.55	0.51	
3	*******	0.62	0.86	3.06	1.75	0.83	3.80	0.88	0.63	0.57	0.56	0.51	
4	*******	0.61	0.89	3.09	1.85	0.80	3.72	0.83	0.63	0.57	0.58	0.50	
5	*******	0.60	0.94	3.11	1.94	0.78	3.62	0.79	0.63	0.56	0.57	0.50	
6	*******	0.60	1.02	3.10	2.03	0.76	3.44	0.77	0.64	0.56	0.56	0.50	
7	*******	0.61	1.39	3.01	2.13	0.79	3.23	0.76	0.64	0.56	0.55	0.49	
8	*******	0.60	1.86	2.93	2.38	0.82	3.01	0.79	0.64	0.56	0.54	0.49	
9	*******	0.65	1.93	2.80	2.61	0.89	2.80	0.79	0.64	0.56	0.54	0.49	
10	*******	0.64	1.87	2.67	2.71	0.97	2.53	0.81	0.64	0.57	0.53	0.48	
11	*******	0.63	1.83	2.58	2.79	1.00	2.21	0.81	0.64	0.57	0.53	0.48	
12	*******	0.62	1.88	2.51	2.85	1.03	1.92	0.81	0.64	0.56	0.52	0.48	
13	*******	0.61	2.72	2.45	2.83	1.06	1.79	0.84	0.63	0.56	0.52	0.47	
14	*******	0.59	2.97	2.38	2.76	1.09	1.68	0.84	0.62	0.56	0.51	0.47	
15	*******	0.59	2.94	2.23	2.61	1.08	1.56	0.82	0.59	0.56	0.51	0.47	
16	*******	0.58	2.74	1.99	2.45	1.06	1.45	0.78	0.58	0.55	0.52	0.48	
17	*******	0.59	2.57	1.77	2.31	1.09	1.35	0.74	0.59	0.55	0.52	0.48	
18	*******	0.62	2.38	1.61	2.19	1.36	1.27	0.70	0.61	0.55	0.52	0.48	
19	*******	0.72	2.17	1.45	2.07	1.61	1.18	0.69	0.61	0.55	0.51	0.47	
20	*******	0.83	2.07	1.50	1.97	1.87	1.17	0.68	0.61	0.55	0.51	0.47	
21	*******	0.92	2.09	1.56	1.82	2.03	1.14	0.68	0.61	0.55	0.51	0.47	
22	*******	0.95	2.12	1.49	1.65	2.31	1.09	0.67	0.60	0.55	0.52	0.47	
23	*******	1.06	2.16	1.46	1.51	2.75	1.05	0.66	0.59	0.54	0.53	0.46	
24	*******	1.10	2.22	1.39	1.39	3.47	1.04	0.64	0.59	0.54	0.54	0.46	
25	*******	1.06	2.19	1.30	1.25	4.19	1.02	0.64	0.59	0.54	0.53	0.46	
26	*******	1.03	2.09	1.24	1.13	4.07	0.99	0.64	0.59	0.54	0.53	0.45	
27	*******	1.00	1.98	1.27	1.05	3.95	0.96	0.64	0.59	0.54	0.52	0.45	
28	*******	0.94	1.85	1.35	0.98	3.86	0.98	0.64	0.58	0.53	0.52	0.45	
29	*******	0.83	1.78	1.37	0.95	3.79	0.97	0.64	0.58	0.53	0.52	0.44	
30	*******	0.79	1.95	1.44	0.94	3.73	0.98	0.64	0.58	0.53		0.44	
31		0.78		1.49	0.91		0.98		0.57	0.53		0.44	
MEAN	*******	0.74	1.90	2.10	1.90	1.63	1.95	0.75	0.61	0.55	0.53	0.47	
MAX	*******	1.10	2.97	3.11	2.85	4.19	3.86	0.95	0.64	0.57	0.58	0.51	4.19
MIN	*******	0.58	0.78	1.24	0.91	0.76	0.96	0.64	0.57	0.53	0.51	0.44	****

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.20 M (A.D), AT 18.00 HOURS, ON SEP 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 1046 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	0.00	0.00	14.65	1.78	0.00	69.46	0.00	0.00	0.00	0.00	0.00	
2	*******	0.00	0.00	25.00	2.66	0.00	82.00	0.00	0.00	0.00	0.00	0.00	
3	*******	0.00	0.00	28.36	3.30	0.00	73.00	0.00	0.00	0.00	0.00	0.00	
4	*******	0.00	0.00	29.29	4.15	0.00	63.56	0.00	0.00	0.00	0.00	0.00	
5	*******	0.00	0.00	29.94	5.00	0.00	54.64	0.00	0.00	0.00	0.00	0.00	
6	*******	0.00	0.04	29.60	5.93	0.00	44.20	0.00	0.00	0.00	0.00	0.00	
7	*******	0.00	0.97	26.81	7.24	0.00	34.23	0.00	0.00	0.00	0.00	0.00	
8	*******	0.00	4.24	24.40	11.16	0.00	26.81	0.00	0.00	0.00	0.00	0.00	
9	*******	0.00	4.90	20.60	15.94	0.00	20.60	0.00	0.00	0.00	0.00	0.00	
10	*******	0.00	4.33	17.38	18.35	0.00	14.23	0.00	0.00	0.00	0.00	0.00	
11	*******	0.00	3.97	15.28	20.35	0.00	8.63	0.00	0.00	0.00	0.00	0.00	
12	*******	0.00	4.42	13.81	22.05	0.06	4.80	0.00	0.00	0.00	0.00	0.00	
13	*******	0.00	18.60	12.55	21.47	0.12	3.62	0.00	0.00	0.00	0.00	0.00	
14	*******	0.00	25.60	11.16	19.60	0.18	2.74	0.00	0.00	0.00	0.00	0.00	
15	*******	0.00	24.70	8.89	15.94	0.16	1.78	0.00	0.00	0.00	0.00	0.00	
16	*******	0.00	19.10	5.50	12.55	0.12	1.15	0.00	0.00	0.00	0.00	0.00	
17	*******	0.00	15.07	3.46	9.97	0.18	0.85	0.00	0.00	0.00	0.00	0.00	
18	*******	0.00	11.16	2.18	8.32	0.88	0.61	0.00	0.00	0.00	0.00	0.00	
19	*******	0.00	7.96	1.15	6.37	2.18	0.36	0.00	0.00	0.00	0.00	0.00	
20	*******	0.00	6.37	1.30	5.30	4.33	0.34	0.00	0.00	0.00	0.00	0.00	
21	*******	0.00	6.59	1.78	3.88	5.93	0.28	0.00	0.00	0.00	0.00	0.00	
22	*******	0.00	7.06	1.27	2.50	9.97	0.18	0.00	0.00	0.00	0.00	0.00	
23	*******	0.12	7.78	1.18	1.38	19.35	0.10	0.00	0.00	0.00	0.00	0.00	
24	*******	0.20	8.76	0.97	0.97	45.85	0.08	0.00	0.00	0.00	0.00	0.00	
25	*******	0.12	8.32	0.70	0.55	157.25	0.04	0.00	0.00	0.00	0.00	0.00	
26	*******	0.06	6.59	0.52	0.26	125.33	0.00	0.00	0.00	0.00	0.00	0.00	
27	*******	0.00	5.40	0.61	0.10	98.30	0.00	0.00	0.00	0.00	0.00	0.00	
28	*******	0.00	4.15	0.85	0.00	82.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	*******	0.00	3.54	0.91	0.00	71.82	0.00	0.00	0.00	0.00	0.00	0.00	
30	*******	0.00	5.10	1.12	0.00	64.74	0.00	0.00	0.00	0.00		0.00	
31		0.00		1.27	0.00		0.00		0.00	0.00		0.00	
TOTAL	*******	0.50	214.72	332.49	227.07	688.75	508.29	0.00	0.00	0.00	0.00	0.00	****** CMSDAY
MEAN	*******	0.02	7.16	10.73	7.32	22.96	16.40	0.00	0.00	0.00	0.00	0.00	****** CMS
MAX	*******	0.20	25.60	29.94	22.05	157.25	82.00	0.00	0.00	0.00	0.00	0.00	157.25 CMS
MIN	*******	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****** CMS
RUNOFF	*******	0.043	18.552	28.727	19.619	59.508	43.916	0.000	0.000	0.000	0.000	0.000	****** MCM

MOMENTARY PEAK 160.00 CMS, AT 4.20 M (A.D), AT 18.00 HOURS, ON SEP 15, 1979

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 152.96 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

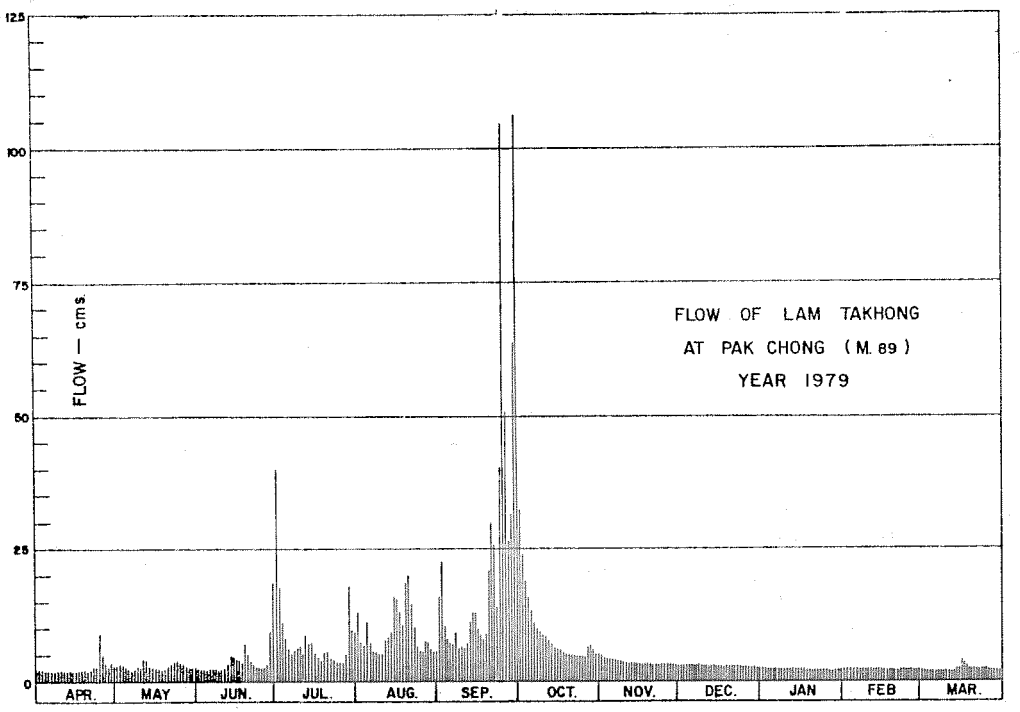
LAM TAKHONG AT PAK CHONG, NAKHON RATCHASIMA (M.89)

LOCATION	LAT. 14°-41'-46" N., LONG. 101°-25'-07" E., ON LEFT BANK AT THE BRIDGE INFRONT OF VACCINE SERUM OFFICE, AMPHOE PAK CHONG, NAKHON RATCHASIMA.
DRAINAGE AREA	699 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK AT THE ABUTMENT OF THE BRIDGE.
ELEVATION	+8.909 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1970 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 26 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.18	1.24	1.19	3.04	1.87	2.02	3.72	1.39	1.27	1.22	1.19	1.17	
2	1.19	1.28	1.19	2.16	1.58	2.29	2.72	1.37	1.27	1.21	1.19	1.17	
3	1.18	1.27	1.18	1.83	1.52	1.77	2.32	1.35	1.27	1.21	1.19	1.17	
4	1.16	1.23	1.18	1.62	1.84	1.64	2.11	1.34	1.27	1.20	1.19	1.17	
5	1.16	1.20	1.19	1.52	1.65	1.56	1.97	1.34	1.27	1.20	1.19	1.16	
6	1.15	1.18	1.18	1.45	1.52	1.54	1.87	1.34	1.26	1.20	1.19	1.16	
7	1.15	1.18	1.19	1.43	1.45	1.67	1.79	1.33	1.26	1.20	1.19	1.16	
8	1.15	1.19	1.19	1.47	1.42	1.51	1.74	1.33	1.26	1.20	1.19	1.16	
9	1.15	1.25	1.19	1.51	1.40	1.49	1.68	1.32	1.26	1.19	1.19	1.16	
10	1.15	1.22	1.19	1.52	1.38	1.51	1.64	1.31	1.25	1.19	1.19	1.16	
11	1.17	1.34	1.20	1.43	1.57	1.49	1.64	1.31	1.25	1.19	1.19	1.16	
12	1.17	1.36	1.25	1.64	1.62	1.59	1.57	1.30	1.25	1.19	1.19	1.16	
13	1.17	1.25	1.38	1.54	1.64	1.81	1.55	1.30	1.25	1.19	1.19	1.16	
14	1.17	1.21	1.37	1.58	1.72	1.90	1.52	1.29	1.25	1.19	1.19	1.19	
15	1.17	1.20	1.35	1.47	2.03	1.86	1.50	1.29	1.24	1.19	1.18	1.19	
16	1.16	1.21	1.32	1.40	1.97	1.72	1.48	1.29	1.24	1.19	1.19	1.34	
17	1.17	1.19	1.32	1.35	1.76	1.66	1.47	1.29	1.24	1.18	1.19	1.28	
18	1.17	1.17	1.26	1.32	1.75	1.61	1.45	1.29	1.24	1.18	1.19	1.22	
19	1.17	1.18	1.55	1.43	2.17	1.68	1.43	1.29	1.24	1.18	1.18	1.19	
20	1.16	1.20	1.39	1.45	2.22	2.44	1.43	1.28	1.24	1.18	1.18	1.20	
21	1.17	1.27	1.31	1.39	1.98	2.63	1.40	1.28	1.24	1.18	1.18	1.20	
22	1.23	1.28	1.26	1.35	1.75	2.40	1.39	1.28	1.24	1.18	1.19	1.19	
23	1.23	1.33	1.23	1.33	1.61	1.93	1.39	1.28	1.23	1.17	1.19	1.20	
24	1.24	1.32	1.21	1.30	1.51	3.31	1.38	1.27	1.23	1.17	1.21	1.20	
25	1.63	1.31	1.21	1.30	1.46	5.20	1.38	1.27	1.23	1.17	1.19	1.22	
26	1.36	1.27	1.21	1.31	1.47	3.86	1.37	1.27	1.23	1.16	1.19	1.19	
27	1.26	1.26	1.20	1.35	1.58	2.93	1.51	1.27	1.23	1.16	1.18	1.18	
28	1.22	1.23	1.52	1.59	1.53	2.53	1.53	1.27	1.22	1.16	1.17	1.17	
29	1.31	1.22	1.75	2.12	1.45	3.06	1.48	1.27	1.22	1.19	1.17	1.17	
30	1.24	1.20	2.10	1.73	1.44	5.24	1.43	1.27	1.22	1.19		1.17	
31		1.19		1.67	1.45		1.40		1.22	1.19		1.22	
MEAN	1.21	1.24	1.31	1.57	1.66	2.26	1.69	1.30	1.24	1.19	1.19	1.19	
MAX	1.63	1.36	2.10	3.04	2.22	5.24	3.72	1.39	1.27	1.22	1.21	1.34	5.24
MIN	1.15	1.17	1.18	1.30	1.38	1.49	1.37	1.27	1.22	1.16	1.17	1.16	1.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.75 M (A.D), AT 10.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.04 M (A.D)
LEFT BANK ELEVATION 8.97 M (A.D)
RIGHT BANK ELEVATION 8.90 M (A.D), DRAINAGE AREA 699 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.16	2.88	2.28	40.24	12.83	15.80	59.16	4.86	3.24	2.64	2.28	2.04	
2	2.28	3.36	2.28	18.72	7.76	21.58	31.92	4.58	3.24	2.52	2.28	2.04	
3	2.16	3.24	2.16	12.07	6.74	10.99	22.24	4.30	3.24	2.52	2.28	2.04	
4	1.92	2.76	2.16	8.44	12.26	8.78	17.62	4.16	3.24	2.40	2.28	2.04	
5	1.92	2.40	2.28	6.74	8.95	7.42	14.80	4.16	3.24	2.40	2.28	1.92	
6	1.80	2.16	2.16	5.70	6.74	7.08	12.83	4.16	3.12	2.40	2.28	1.92	
7	1.80	2.16	2.28	5.42	5.70	9.29	11.33	4.02	3.12	2.40	2.28	1.92	
8	1.80	2.28	2.28	5.98	5.28	6.57	10.48	4.02	3.12	2.40	2.28	1.92	
9	1.80	3.00	2.28	6.57	5.00	6.26	9.46	3.88	3.12	2.28	2.28	1.92	
10	1.80	2.64	2.28	6.74	4.72	6.57	8.78	3.74	3.00	2.28	2.28	1.92	
11	2.04	4.16	2.40	5.42	7.59	6.26	8.78	3.74	3.00	2.28	2.28	1.92	
12	2.04	4.44	3.00	8.78	8.44	7.93	7.59	3.60	3.00	2.28	2.28	1.92	
13	2.04	3.00	4.72	7.08	8.78	11.69	7.25	3.60	3.00	2.28	2.28	1.92	
14	2.04	2.52	4.58	7.76	10.14	13.40	6.74	3.48	3.00	2.28	2.28	2.28	
15	2.04	2.40	4.30	5.98	16.00	12.64	6.40	3.48	2.88	2.28	2.16	2.28	
16	1.92	2.52	3.88	5.00	14.80	10.14	6.12	3.46	2.88	2.28	2.28	4.16	
17	2.04	2.28	3.88	4.30	10.82	9.12	5.98	3.48	2.88	2.16	2.28	3.36	
18	2.04	2.04	3.12	3.88	10.65	8.27	5.70	3.48	2.88	2.16	2.28	2.64	
19	2.04	2.16	7.25	5.42	18.94	9.46	5.42	3.48	2.88	2.16	2.16	2.28	
20	1.92	2.40	4.86	5.70	20.04	24.96	5.42	3.36	2.88	2.16	2.16	2.40	
21	2.04	3.24	3.74	4.86	15.00	29.58	5.00	3.36	2.88	2.16	2.16	2.40	
22	2.76	3.36	3.12	4.30	10.65	24.00	4.86	3.36	2.88	2.16	2.28	2.28	
23	2.76	4.02	2.76	4.02	8.27	14.00	4.86	3.36	2.76	2.04	2.28	2.40	
24	2.88	3.88	2.52	3.60	6.57	47.68	4.72	3.24	2.76	2.04	2.52	2.40	
25	8.61	3.74	2.52	3.60	5.84	105.00	4.72	3.24	2.76	2.04	2.28	2.64	
26	4.44	3.24	2.52	3.74	5.98	63.20	4.58	3.24	2.76	1.92	2.28	2.28	
27	3.12	3.12	2.40	4.30	7.76	37.38	6.57	3.24	2.76	1.92	2.16	2.16	
28	2.64	2.76	6.74	7.93	6.91	27.12	6.91	3.24	2.64	1.92	2.04	2.04	
29	3.74	2.64	10.65	17.84	5.70	40.76	6.12	3.24	2.64	2.28	2.04	2.04	
30	2.88	2.40	17.40	10.31	5.56	106.28	5.42	3.24	2.64	2.28		2.04	
31		2.28		9.29	5.70		5.00		2.64	2.28		2.64	
TOTAL	75.47	89.48	118.80	249.73	286.12	709.21	322.78	109.82	91.08	69.60	65.28	70.16	2257.53 CMSDAY
MEAN	2.52	2.89	3.96	8.06	9.23	23.64	10.41	3.66	2.94	2.25	2.25	2.26	6.17 CMS
MAX	8.61	4.44	17.40	40.24	20.04	106.28	59.16	4.86	3.24	2.64	2.52	4.16	106.28 CMS
MIN	1.80	2.04	2.16	3.60	4.72	6.26	4.58	3.24	2.64	1.92	2.04	1.92	1.80 CMS
RUNOFF	6.521	7.731	10.264	21.577	24.721	61.276	27.888	9.488	7.869	6.013	5.640	6.062	195.050 MCM

MOMENTARY PEAK 122.60 CMS, AT 5.75 M (A.D), AT 10.00 HOURS, ON SEP 30, 1979

RUNOFF YIELD 8.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 175.39 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

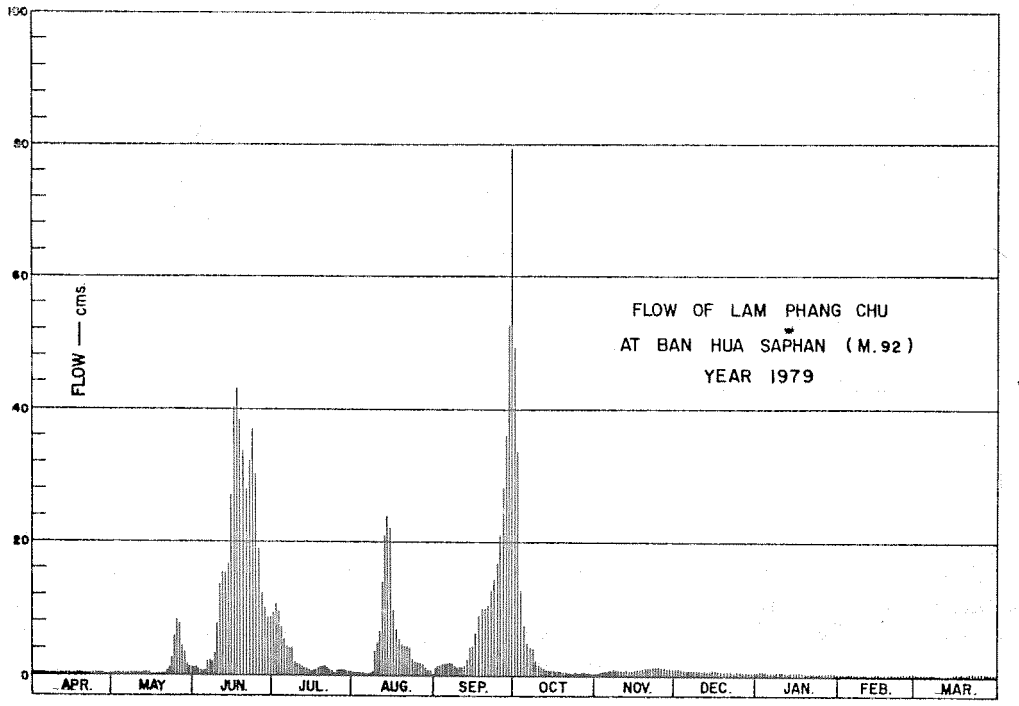
LAM PHANG CHU AT BAN HUA SAPHAN, BURI RAM (M.92)

LOCATION	LAT. 15°-32'-57" N., LONG. 103°-04'-20" E., ON RIGHT BANK EAST OF WAT THEP RANG SANAT AT BAN HUA SAPHAN, AMPHOE PHUTTHAISONG, BURI RAM.
DRAINAGE AREA	1,094 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 80 METERS FROM THE GAGE SITE.
ELEVATION	+7.958 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 102 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.72	0.63	1.59	2.41	1.40	1.59	4.06	1.36	1.56	1.37	1.22	1.15	
2	0.72	0.61	1.56	2.48	1.37	1.64	3.42	1.41	1.54	1.36	1.21	1.14	
3	0.71	0.61	1.50	2.39	1.35	1.67	2.70	1.48	1.53	1.36	1.21	1.14	
4	0.70	0.60	1.48	2.25	1.32	1.69	2.30	1.48	1.52	1.36	1.21	1.14	
5	0.69	0.60	1.51	2.10	1.28	1.70	2.11	1.49	1.51	1.35	1.20	1.13	
6	0.68	0.59	1.74	1.97	1.28	1.73	2.03	1.54	1.50	1.35	1.20	1.13	
7	0.68	0.58	1.74	1.88	1.34	1.70	1.91	1.55	1.49	1.34	1.19	1.11	
8	0.67	0.58	1.71	1.81	1.39	1.65	1.82	1.54	1.49	1.33	1.19	1.10	
9	0.66	0.62	1.87	1.73	1.81	1.62	1.75	1.52	1.48	1.33	1.19	1.09	
10	0.66	0.73	2.39	1.70	2.06	1.61	1.70	1.52	1.48	1.33	1.18	1.09	
11	0.66	0.86	2.71	1.69	2.38	1.63	1.64	1.51	1.47	1.32	1.18	1.09	
12	0.66	1.26	2.75	1.64	2.84	1.63	1.59	1.50	1.47	1.32	1.17	1.08	
13	0.65	1.45	2.72	1.59	3.13	1.79	1.57	1.49	1.46	1.31	1.17	1.16	
14	0.65	1.32	2.84	1.57	3.05	1.88	1.53	1.51	1.46	1.31	1.16	1.16	
15	0.64	1.28	3.32	1.53	2.64	2.01	1.52	1.52	1.45	1.30	1.16	1.15	
16	0.64	1.28	3.71	1.51	2.31	2.16	1.51	1.53	1.45	1.30	1.15	1.21	
17	0.64	1.25	3.78	1.57	2.16	2.32	1.50	1.54	1.44	1.30	1.14	1.22	
18	0.64	1.22	3.67	1.60	2.09	2.40	1.48	1.55	1.44	1.29	1.14	1.25	
19	0.64	1.23	3.57	1.61	2.05	2.44	1.47	1.56	1.43	1.29	1.13	1.25	
20	0.64	1.27	3.48	1.63	2.02	2.43	1.44	1.57	1.43	1.28	1.14	1.25	
21	0.65	1.40	3.29	1.64	1.96	2.46	1.43	1.58	1.42	1.27	1.22	1.22	
22	0.65	1.47	3.40	1.59	1.84	2.59	1.42	1.60	1.42	1.27	1.19	1.21	
23	0.65	1.67	3.62	1.52	1.78	2.67	1.41	1.62	1.42	1.27	1.18	1.20	
24	0.65	2.04	3.52	1.47	1.72	2.76	1.41	1.62	1.41	1.26	1.18	1.19	
25	0.65	2.30	3.07	1.44	1.72	2.93	1.43	1.62	1.41	1.25	1.17	1.19	
26	0.65	2.26	2.68	1.51	1.70	3.12	1.42	1.62	1.40	1.25	1.17	1.18	
27	0.64	2.01	2.56	1.52	1.69	3.42	1.42	1.60	1.40	1.24	1.16	1.17	
28	0.63	1.84	2.42	1.52	1.59	3.73	1.41	1.59	1.39	1.24	1.16	1.17	
29	0.63	1.71	2.33	1.47	1.50	4.02	1.41	1.58	1.39	1.23	1.15	1.16	
30	0.63	1.62	2.33	1.43	1.52	4.25	1.39	1.57	1.38	1.23		1.16	
31		1.58		1.43	0.00		1.37		1.38	1.22		1.15	
MEAN	0.66	1.24	2.63	1.72	1.82	2.31	1.76	1.54	1.45	1.30	1.18	1.16	
MAX	0.72	2.30	3.78	2.48	3.13	4.25	4.06	1.62	1.56	1.37	1.22	1.25	4.25
MIN	0.63	0.58	1.48	1.43	0.00	1.59	1.37	1.36	1.38	1.22	1.13	1.08	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.25 M (A.D), AT 6.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 1094 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	1.15	9.85	0.45	1.15	59.80	0.39	1.00	0.40	0.18	0.07	
2	0.00	0.00	1.00	10.90	0.40	1.44	31.38	0.47	0.90	0.39	0.16	0.06	
3	0.00	0.00	0.70	9.56	0.37	1.62	14.80	0.65	0.85	0.39	0.16	0.06	
4	0.00	0.00	0.65	7.60	0.33	1.74	8.30	0.65	0.80	0.39	0.16	0.06	
5	0.00	0.00	0.75	5.60	0.27	1.80	5.73	0.67	0.75	0.37	0.15	0.04	
6	0.00	0.00	2.08	4.37	0.27	2.01	4.76	0.90	0.70	0.37	0.15	0.03	
7	0.00	0.00	2.08	4.29	0.36	1.80	4.32	0.95	0.67	0.36	0.13	0.01	
8	0.00	0.00	1.87	4.23	0.43	1.50	4.24	0.90	0.67	0.35	0.13	0.00	
9	0.00	0.00	4.28	2.01	4.23	1.32	2.15	0.80	0.65	0.35	0.13	0.00	
10	0.00	0.00	9.56	1.80	5.12	1.26	1.80	0.80	0.65	0.35	0.12	0.00	
11	0.00	0.00	15.00	1.74	9.42	1.38	1.44	0.75	0.62	0.33	0.12	0.00	
12	0.00	0.24	15.80	1.44	17.60	1.38	1.15	0.70	0.62	0.33	0.10	0.00	
13	0.00	0.57	15.20	1.15	23.92	2.43	1.05	0.67	0.60	0.32	0.10	0.09	
14	0.00	0.33	17.60	1.05	22.10	4.29	0.85	0.75	0.60	0.32	0.09	0.09	
15	0.00	0.27	28.56	0.85	13.72	4.52	0.80	0.80	0.57	0.30	0.09	0.07	
16	0.00	0.27	40.40	0.75	8.44	6.38	0.75	0.85	0.57	0.30	0.07	0.16	
17	0.00	0.23	43.20	1.05	6.38	8.58	0.70	0.90	0.55	0.30	0.08	0.18	
18	0.00	0.18	38.98	1.20	5.48	9.70	0.65	0.95	0.55	0.29	0.06	0.23	
19	0.00	0.19	35.73	1.26	5.00	10.30	0.62	1.00	0.52	0.29	0.04	0.23	
20	0.00	0.26	33.12	1.38	4.64	10.15	0.55	1.05	0.52	0.27	0.06	0.23	
21	0.00	0.45	27.76	1.44	4.36	10.60	0.52	1.10	0.50	0.26	0.18	0.18	
22	0.00	0.62	30.80	1.15	4.25	12.82	0.50	1.20	0.50	0.26	0.13	0.16	
23	0.00	1.62	37.28	0.90	2.36	14.26	0.47	1.32	0.50	0.26	0.12	0.15	
24	0.00	4.83	34.28	0.62	1.94	16.00	0.47	1.32	0.47	0.24	0.12	0.13	
25	0.00	9.30	22.54	0.55	1.94	19.46	0.52	1.38	0.47	0.23	0.10	0.13	
26	0.00	7.74	14.44	0.73	1.80	23.68	0.50	1.32	0.45	0.23	0.10	0.12	
27	0.00	4.52	12.28	0.80	1.74	31.38	0.50	1.20	0.45	0.21	0.09	0.10	
28	0.00	4.25	10.00	0.80	1.15	41.20	0.47	1.15	0.43	0.21	0.09	0.10	
29	0.00	1.87	8.72	0.62	0.70	56.60	0.47	1.10	0.43	0.19	0.07	0.09	
30	0.00	1.32	8.72	0.52	0.80	79.00	0.43	1.05	0.42	0.19		0.09	
31		1.10		0.52	0.00		0.40		0.42	0.18		0.07	
TOTAL	0.00	39.21	514.53	80.65	149.97	379.75	151.09	27.68	18.40	9.23	3.26	2.93	1376.70 CMSDAY
MEAN	0.00	1.26	17.15	2.60	4.84	12.66	4.87	0.92	0.59	0.30	0.11	0.09	3.76 CMS
MAX	0.00	9.30	43.20	10.90	23.92	79.00	59.80	1.32	1.00	0.40	0.18	0.23	79.00 CMS
MIN	0.00	0.00	0.65	0.52	0.00	1.15	0.40	0.39	0.42	0.18	0.04	0.00	0.00 CMS
RUNOFF	0.000	3.388	44.455	6.968	12.957	32.810	13.054	2.392	1.590	0.797	0.282	0.253	118.947 MCM

MOMENTARY PEAK 79.00 CMS, AT 4.25 M (A.D), AT 6.00 HOURS, ON SEP 30, 1979

RUNOFF YIELD 3.44 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 72.21 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI SEO AT BAN PAN RO, BURI RAM (M.93)

LOCATION	LAT. 14°-28'-24" N., LONG. 103°-06'-20" E., ON RIGHT BANK ABOUT 100 METERS FROM PRAKONCHAI-SURIN HIGHWAY AT BAN PAN RO, AMPHOE BAN KRUAT, BURI RAM.
DRAINAGE AREA	329 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-R.I.D.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+4.571 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +3.58 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 52 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

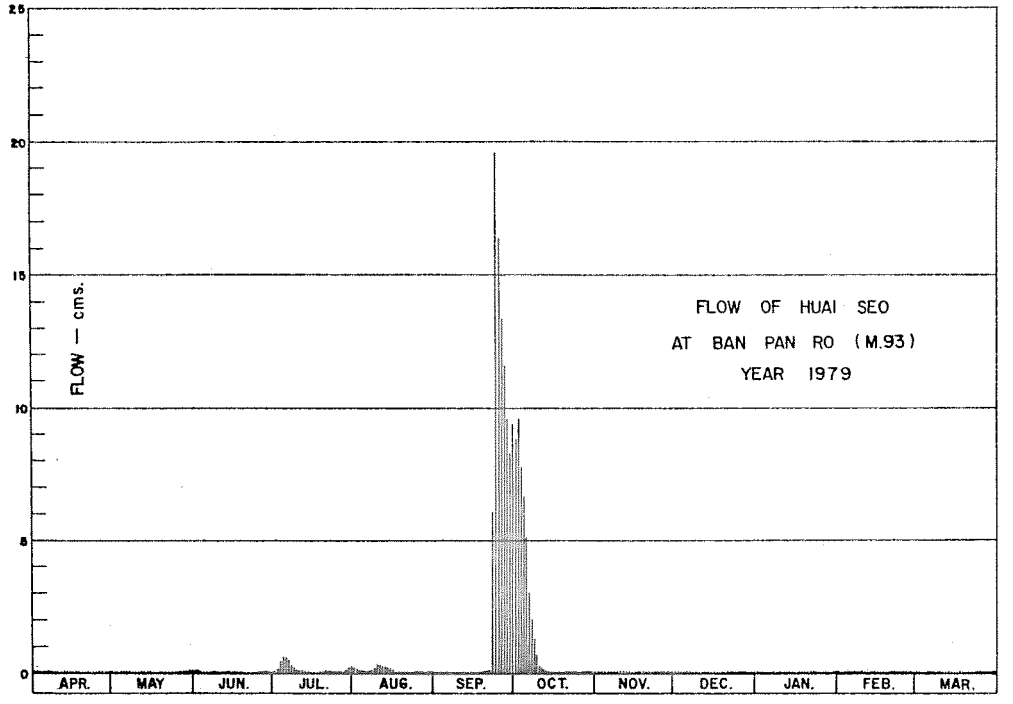
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.20	0.31	0.65	0.76	0.43	2.61	0.58	0.20	0.21	0.19	0.19	
2	0.18	0.18	0.31	0.74	0.82	0.43	2.70	0.58	0.20	0.20	0.21	0.20	
3	0.17	0.19	0.35	0.83	0.65	0.45	2.54	0.55	0.22	0.20	0.20	0.19	
4	0.17	0.16	0.37	1.09	0.65	0.45	2.33	0.53	0.20	0.20	0.20	0.19	
5	0.16	0.15	0.43	1.11	0.62	0.43	2.02	0.51	0.20	0.21	0.20	0.18	
6	0.16	0.14	0.43	1.11	0.54	0.53	1.70	0.49	0.20	0.23	0.20	0.18	
7	0.16	0.13	0.44	1.07	0.66	0.73	1.56	0.39	0.21	0.24	0.20	0.17	
8	0.15	0.12	0.48	1.01	0.65	0.56	1.32	0.38	0.28	0.22	0.20	0.20	
9	0.14	0.12	0.48	0.87	0.76	0.54	1.13	0.39	0.26	0.21	0.19	0.18	
10	0.14	0.14	0.49	0.80	0.97	0.51	1.01	0.38	0.22	0.21	0.19	0.17	
11	0.12	0.19	0.47	0.77	0.99	0.49	0.91	0.38	0.21	0.20	0.20	0.16	
12	0.09	0.25	0.46	0.68	0.94	0.48	0.78	0.39	0.21	0.20	0.20	0.15	
13	0.08	0.25	0.50	0.63	0.93	0.45	0.68	0.39	0.21	0.20	0.20	0.14	
14	0.14	0.19	0.51	0.48	0.96	0.46	0.64	0.39	0.22	0.20	0.20	0.14	
15	0.12	0.17	0.55	0.40	0.88	0.44	0.61	0.39	0.21	0.21	0.20	0.13	
16	0.12	0.16	0.63	0.43	0.85	0.44	0.57	0.40	0.19	0.21	0.20	0.12	
17	0.10	0.15	0.61	0.42	0.71	0.45	0.49	0.40	0.19	0.22	0.21	0.12	
18	0.09	0.17	0.59	0.46	0.59	0.45	0.49	0.41	0.19	0.21	0.21	0.11	
19	0.10	0.18	0.58	0.49	0.53	0.66	0.44	0.39	0.19	0.20	0.19	0.11	
20	0.14	0.22	0.58	0.64	0.51	0.81	0.42	0.34	0.20	0.20	0.19	0.10	
21	0.10	0.35	0.57	0.82	0.52	0.85	0.47	0.26	0.22	0.20	0.18	0.10	
22	0.32	0.39	0.56	0.70	0.52	0.77	0.44	0.29	0.20	0.20	0.18	0.10	
23	0.21	0.48	0.56	0.68	0.49	1.95	0.38	0.24	0.21	0.20	0.18	0.11	
24	0.19	0.45	0.56	0.56	0.47	3.76	0.37	0.22	0.21	0.20	0.18	0.11	
25	0.16	0.43	0.56	0.56	0.47	3.47	0.43	0.21	0.20	0.21	0.18	0.10	
26	0.15	0.42	0.55	0.50	0.47	3.24	0.44	0.19	0.21	0.20	0.18	0.09	
27	0.14	0.41	0.54	0.45	0.46	2.97	0.50	0.20	0.21	0.19	0.19	0.08	
28	0.16	0.37	0.53	0.63	0.46	2.75	0.57	0.20	0.21	0.19	0.18	0.07	
29	0.15	0.33	0.53	0.87	0.45	2.54	0.56	0.20	0.21	0.19	0.17	0.07	
30	0.26	0.33	0.55	0.98	0.44	2.68	0.58	0.20	0.21	0.19		0.06	
31		0.33		0.93	0.43		0.62		0.21	0.19		0.05	
MEAN	0.15	0.25	0.50	0.72	0.65	1.17	0.98	0.36	0.21	0.20	0.19	0.13	
MAX	0.32	0.48	0.63	1.11	0.99	3.76	2.70	0.58	0.28	0.24	0.21	0.20	3.76
MIN	0.08	0.12	0.31	0.40	0.43	0.43	0.37	0.19	0.19	0.19	0.17	0.05	0.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.77 M (A.D), AT 11.00 HOURS, ON SEP 24, 1979

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

LEFT BANK ELEVATION M (A.D)

RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 329 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.000	0.000	0.005	0.063	0.103	0.018	8.880	0.044	0.000	0.000	0.000	0.000	
2	0.000	0.000	0.005	0.095	0.132	0.018	9.600	0.044	0.000	0.000	0.000	0.000	
3	0.000	0.000	0.008	0.138	0.063	0.021	8.380	0.039	0.001	0.000	0.000	0.000	
4	0.000	0.000	0.010	0.570	0.063	0.021	6.910	0.035	0.000	0.000	0.000	0.000	
5	0.000	0.000	0.018	0.640	0.054	0.018	4.920	0.032	0.000	0.000	0.000	0.000	
6	0.000	0.000	0.018	0.640	0.037	0.035	3.000	0.028	0.000	0.001	0.000	0.000	
7	0.000	0.000	0.020	0.510	0.066	0.091	2.440	0.012	0.000	0.002	0.000	0.000	
8	0.000	0.000	0.027	0.330	0.063	0.041	1.480	0.011	0.003	0.001	0.000	0.000	
9	0.000	0.000	0.027	0.162	0.103	0.037	0.720	0.012	0.002	0.000	0.000	0.000	
10	0.000	0.000	0.028	0.120	0.264	0.032	0.330	0.011	0.001	0.000	0.000	0.000	
11	0.000	0.000	0.025	0.107	0.288	0.028	0.192	0.011	0.000	0.000	0.000	0.000	
12	0.000	0.002	0.023	0.072	0.228	0.027	0.112	0.012	0.000	0.000	0.000	0.000	
13	0.000	0.002	0.030	0.057	0.216	0.021	0.072	0.012	0.000	0.000	0.000	0.000	
14	0.000	0.000	0.032	0.027	0.252	0.023	0.060	0.012	0.001	0.000	0.000	0.000	
15	0.000	0.000	0.039	0.013	0.168	0.020	0.051	0.012	0.000	0.000	0.000	0.000	
16	0.000	0.000	0.057	0.018	0.150	0.020	0.043	0.013	0.000	0.000	0.000	0.000	
17	0.000	0.000	0.051	0.016	0.082	0.021	0.028	0.013	0.000	0.001	0.000	0.000	
18	0.000	0.000	0.046	0.023	0.046	0.021	0.028	0.015	0.000	0.000	0.000	0.000	
19	0.000	0.000	0.044	0.028	0.035	0.066	0.020	0.012	0.000	0.000	0.000	0.000	
20	0.000	0.001	0.044	0.060	0.032	0.126	0.016	0.008	0.000	0.000	0.000	0.000	
21	0.000	0.008	0.043	0.132	0.034	0.150	0.025	0.002	0.001	0.000	0.000	0.000	
22	0.006	0.012	0.041	0.078	0.034	0.107	0.020	0.004	0.000	0.000	0.000	0.000	
23	0.000	0.027	0.041	0.072	0.028	4.500	0.011	0.002	0.000	0.000	0.000	0.000	
24	0.000	0.021	0.041	0.041	0.025	19.600	0.010	0.001	0.000	0.000	0.000	0.000	
25	0.000	0.018	0.041	0.041	0.025	16.700	0.018	0.000	0.000	0.000	0.000	0.000	
26	0.000	0.016	0.039	0.030	0.025	14.460	0.020	0.000	0.000	0.000	0.000	0.000	
27	0.000	0.015	0.037	0.021	0.023	12.030	0.030	0.000	0.000	0.000	0.000	0.000	
28	0.000	0.010	0.035	0.057	0.023	10.050	0.043	0.000	0.000	0.000	0.000	0.000	
29	0.000	0.007	0.035	0.162	0.021	8.380	0.041	0.000	0.000	0.000	0.000	0.000	
30	0.002	0.007	0.039	0.276	0.020	9.440	0.044	0.000	0.000	0.000		0.000	
31		0.007		0.216	0.018		0.054		0.000	0.000		0.000	
TOTAL	0.008	0.153	0.949	4.815	2.721	96.122	47.598	0.397	0.009	0.005	0.000	0.000	152.777 CMSDAY
MEAN	0.000	0.005	0.032	0.155	0.088	3.204	1.535	0.013	0.000	0.000	0.000	0.000	0.417 CMS
MAX	0.006	0.027	0.057	0.640	0.288	19.600	9.600	0.044	0.003	0.002	0.000	0.000	19.600 CMS
MIN	0.000	0.000	0.005	0.013	0.018	0.018	0.010	0.000	0.000	0.000	0.000	0.000	0.000 CMS
RUNOFF	0.001	0.013	0.082	0.416	0.235	8.305	4.112	0.034	0.001	0.000	0.000	0.000	13.200 MCM

MOMENTARY PEAK 19.70 CMS, AT 3.77 M (A.D), AT 11.00 HOURS, ON SEP 24, 1979
RUNOFF YIELD 1.27 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 59.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI THA AT BAN ALANG, SI SA KET (M.98)

LOCATION — LAT. 14°52'39" N., LONG. 104°26'16" E., ON LEFT BANK AT THE BRIDGE OF SI SA KET-KANTHARALAK HIGHWAY NEAR KILOMETER MARKER 27+734, TAMBON TAM YAE, AMPHOE MUANG, SI SA KET.

DRAINAGE AREA — 1,092 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

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

ELEVATION — +8.061 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

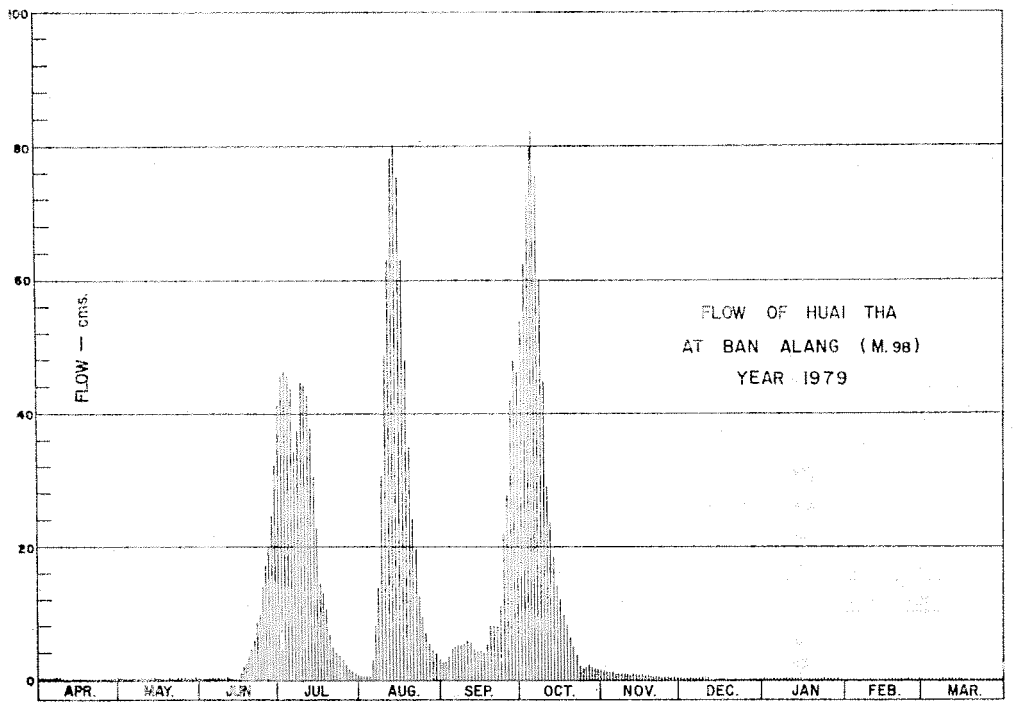
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.28	0.28	0.29	3.80	0.50	1.01	4.91	0.74	0.37	0.32	0.30	0.28	
2	0.28	0.33	0.29	3.93	0.49	1.00	4.58	0.73	0.37	0.32	0.29	0.28	
3	0.28	0.29	0.29	3.95	0.49	1.06	4.95	0.69	0.37	0.32	0.29	0.28	
4	0.28	0.28	0.33	3.94	0.46	1.17	5.39	0.67	0.37	0.32	0.29	0.28	
5	0.29	0.28	0.30	3.85	0.49	1.28	5.52	0.63	0.36	0.32	0.29	0.28	
6	0.28	0.28	0.28	3.55	1.13	1.30	5.05	0.62	0.36	0.32	0.29	0.28	
7	0.28	0.28	0.31	3.29	1.84	1.38	5.20	0.59	0.36	0.32	0.29	0.28	
8	0.28	0.28	0.31	3.53	2.15	1.50	4.73	0.57	0.35	0.32	0.29	0.28	
9	0.28	0.28	0.30	3.74	3.16	1.50	4.35	0.60	0.35	0.32	0.29	0.27	
10	0.28	0.28	0.29	3.88	4.00	1.37	3.80	0.57	0.35	0.32	0.29	0.27	
11	0.28	0.28	0.29	3.84	4.48	1.37	3.45	0.55	0.35	0.32	0.29	0.27	
12	0.28	0.28	0.29	3.72	5.08	1.35	3.21	0.56	0.34	0.32	0.28	0.27	
13	0.28	0.28	0.29	3.53	5.45	1.29	3.03	0.55	0.34	0.32	0.28	0.27	
14	0.28	0.28	0.30	3.20	5.55	1.23	2.93	0.53	0.34	0.31	0.28	0.27	
15	0.28	0.28	0.30	2.83	5.41	1.22	2.99	0.53	0.34	0.31	0.28	0.27	
16	0.28	0.28	0.34	2.43	5.11	1.23	2.95	0.52	0.34	0.31	0.28	0.27	
17	0.28	0.28	0.71	2.08	4.70	1.21	2.77	0.51	0.33	0.31	0.28	0.26	
18	0.28	0.28	0.89	1.95	4.16	1.21	2.67	0.49	0.33	0.31	0.28	0.26	
19	0.28	0.28	1.05	1.78	3.56	1.18	2.51	0.46	0.33	0.31	0.28	0.26	
20	0.28	0.36	1.22	1.62	3.17	1.21	2.43	0.46	0.33	0.31	0.28	0.26	
21	0.33	0.38	1.28	1.31	2.75	1.38	1.30	0.46	0.33	0.31	0.28	0.26	
22	0.34	0.33	1.51	1.26	2.47	1.38	1.15	0.46	0.33	0.31	0.28	0.26	
23	0.31	0.30	1.67	1.19	2.10	1.35	1.06	0.44	0.33	0.30	0.28	0.26	
24	0.30	0.29	1.75	1.16	1.87	1.49	0.84	0.42	0.33	0.30	0.28	0.25	
25	0.29	0.28	2.04	1.08	1.67	2.78	0.83	0.42	0.33	0.30	0.28	0.25	
26	0.28	0.28	2.27	0.93	1.49	3.03	0.88	0.41	0.33	0.30	0.28	0.25	
27	0.28	0.28	2.45	0.86	1.38	3.37	0.89	0.41	0.32	0.30	0.28	0.25	
28	0.28	0.28	2.79	0.68	1.32	4.34	0.88	0.40	0.32	0.30	0.28	0.25	
29	0.28	0.28	3.12	0.68	1.26	3.89	0.83	0.39	0.32	0.30	0.28	0.25	
30	0.28	0.28	3.64	0.59	1.18	3.98	0.80	0.37	0.32	0.30		0.25	
31		0.28		0.54	1.09		0.77		0.32	0.30		0.25	
MEAN	0.29	0.29	1.04	2.41	2.58	1.82	2.56	0.52	0.34	0.31	0.28	0.27	
MAX	0.34	0.38	3.64	3.95	5.55	4.34	5.62	0.74	0.37	0.32	0.30	0.28	5.62
MIN	0.28	0.28	0.28	0.54	0.46	1.00	0.77	0.37	0.32	0.30	0.28	0.25	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.63 M (A.D.), AT 15.00 HOURS, ON OCT 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED
LEFT BANK ELEVATION M (A.D.)
RIGHT BANK ELEVATION M (A.D.), DRAINAGE AREA 1092 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.04	0.04	43.00	0.57	2.76	55.51	1.47	0.15	0.08	0.05	0.04	
2	0.04	0.10	0.04	45.60	0.54	2.70	61.18	1.44	0.15	0.08	0.04	0.04	
3	0.04	0.04	0.04	46.00	0.54	3.08	67.56	1.29	0.15	0.08	0.04	0.04	
4	0.04	0.04	0.10	45.80	0.42	3.70	76.58	1.21	0.15	0.08	0.04	0.04	
5	0.04	0.04	0.05	44.00	0.54	4.80	81.68	1.08	0.14	0.08	0.04	0.04	
6	0.04	0.04	0.04	38.50	3.51	5.00	80.10	1.02	0.14	0.08	0.04	0.04	
7	0.04	0.04	0.06	33.82	11.16	5.20	72.48	0.91	0.14	0.08	0.04	0.04	
8	0.04	0.04	0.06	38.14	15.50	5.30	62.23	0.84	0.12	0.08	0.04	0.04	
9	0.04	0.04	0.05	41.92	31.48	5.30	50.26	0.95	0.12	0.08	0.04	0.03	
10	0.04	0.04	0.04	44.60	47.00	5.70	39.40	0.84	0.12	0.08	0.04	0.03	
11	0.04	0.04	0.04	43.80	56.98	5.70	30.94	0.79	0.12	0.08	0.04	0.03	
12	0.04	0.04	0.04	41.56	69.76	5.50	23.76	0.76	0.11	0.08	0.04	0.03	
13	0.04	0.04	0.04	38.14	77.90	4.90	19.42	0.76	0.11	0.08	0.04	0.03	
14	0.04	0.04	0.05	32.20	80.10	4.30	16.06	0.69	0.11	0.06	0.04	0.03	
15	0.04	0.04	0.05	25.71	77.02	4.20	13.26	0.69	0.11	0.05	0.04	0.03	
16	0.04	0.04	0.11	19.42	70.42	4.30	12.00	0.65	0.11	0.06	0.04	0.03	
17	0.04	0.04	1.36	14.52	61.60	4.10	10.21	0.61	0.10	0.06	0.04	0.03	
18	0.04	0.04	2.19	10.70	50.26	4.10	8.91	0.54	0.10	0.06	0.04	0.03	
19	0.04	0.04	3.00	10.34	38.68	8.00	7.10	0.42	0.10	0.06	0.04	0.03	
20	0.04	0.10	4.20	8.26	31.66	8.13	6.30	0.42	0.10	0.06	0.04	0.03	
21	0.10	0.10	6.80	5.10	24.40	7.80	5.80	0.42	0.10	0.06	0.04	0.03	
22	0.11	0.10	9.10	4.60	19.98	8.26	3.86	0.42	0.10	0.06	0.04	0.03	
23	0.06	0.06	9.91	3.93	16.80	9.95	3.06	0.38	0.10	0.05	0.04	0.03	
24	0.05	0.04	9.95	3.72	11.88	19.70	1.90	0.27	0.10	0.05	0.04	0.03	
25	0.04	0.04	13.96	2.88	8.91	24.88	1.85	0.27	0.10	0.05	0.04	0.03	
26	0.04	0.04	17.10	2.35	6.90	26.14	2.10	0.24	0.10	0.05	0.04	0.03	
27	0.04	0.04	19.70	2.00	5.80	44.40	2.15	0.24	0.08	0.05	0.04	0.03	
28	0.04	0.04	25.04	1.25	5.20	47.80	2.10	0.20	0.08	0.05	0.04	0.03	
29	0.04	0.04	30.76	1.25	4.60	44.80	1.85	0.16	0.08	0.05	0.04	0.03	
30	0.04	0.04	40.12	0.91	3.86	46.80	1.70	0.15	0.08	0.05		0.03	
31		0.04		0.72	3.24		1.59		0.08	0.05		0.03	
TOTAL	1.36	1.60	189.08	696.74	834.91	380.37	822.02	20.07	3.45	2.03	1.17	1.01	2953.81 CMSDAY
MEAN	0.05	0.05	6.30	22.48	26.93	12.68	26.52	0.67	0.11	0.07	0.04	0.03	8.07 CMS
MAX	0.11	0.17	40.12	46.00	80.10	47.80	81.68	1.47	0.15	0.08	0.05	0.04	81.68 CMS
MIN	0.04	0.04	0.04	0.72	0.42	2.70	1.59	0.15	0.08	0.05	0.04	0.03	0.03 CMS
RUNOFF	0.118	0.138	16.337	60.198	72.136	32.864	71.022	1.734	0.298	0.175	0.101	0.087	255.209 MCM

MOMENTARY PEAK 81.68 CMS, AT 5.63 M (A.D), AT 18.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 7.39 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 75.02 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MUN RIVER BASIN

HUAI SANENG AT BAN BU CHEK, SURIN (M.100)

LOCATION — LAT. 14°37'01" N., LONG. 103°28'44" E., ON LEFT BANK AT THE BRIDGE OF CHOKCHAI-DET UDOM HIGHWAY NEAR KILOMETER MARKER 145-146 AND ABOUT 8 KILOMETERS FROM AMPHOE PRASAT, TAMBON TA BAO, AMPHOE PRASAT, SURIN.

DRAINAGE AREA — 131 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-HIGHWAYS DEPT.

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

ELEVATION — +3.332 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 5 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING MAR 19-31,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

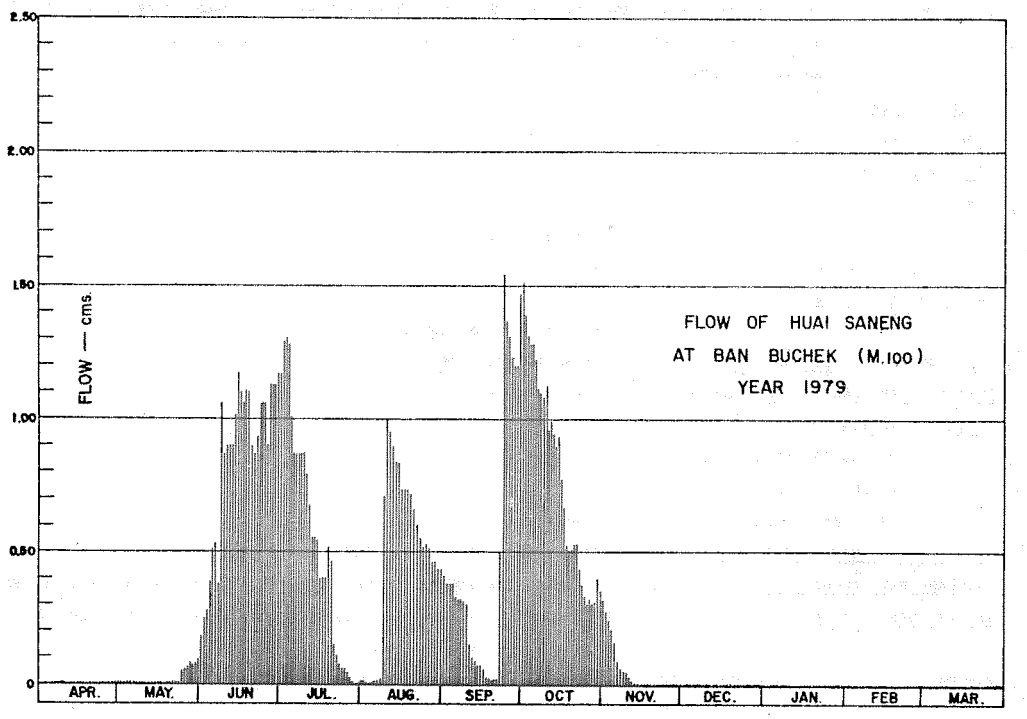
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.29	0.64	1.14	1.53	1.01	1.27	1.62	1.22	0.86	0.62	0.42	0.27	
2	0.29	0.68	1.18	1.56	1.01	1.26	1.60	1.20	0.85	0.61	0.42	0.27	
3	0.29	0.68	1.20	1.57	1.00	1.25	1.58	1.18	0.84	0.62	0.41	0.26	
4	0.28	0.67	1.25	1.56	1.00	1.25	1.56	1.16	0.84	0.60	0.41	0.26	
5	0.28	0.66	1.31	1.48	1.00	1.25	1.56	1.13	0.83	0.60	0.40	0.25	
6	0.27	0.65	1.32	1.44	1.01	1.22	1.55	1.10	0.82	0.59	0.40	0.25	
7	0.26	0.64	1.25	1.44	1.01	1.22	1.52	1.07	0.81	0.59	0.39	0.24	
8	0.25	0.63	1.35	1.44	1.01	1.22	1.51	1.05	0.80	0.58	0.39	0.23	
9	0.25	0.62	1.50	1.44	1.38	1.22	1.50	1.04	0.80	0.58	0.39	0.22	
10	0.24	0.61	1.44	1.44	1.46	1.21	1.52	1.03	0.79	0.57	0.38	0.21	
11	0.24	0.61	1.45	1.41	1.48	1.13	1.47	1.02	0.78	0.56	0.38	0.20	
12	0.32	0.62	1.45	1.36	1.46	1.09	1.48	1.01	0.77	0.55	0.38	0.20	
13	0.40	0.61	1.45	1.33	1.45	1.08	1.47	0.99	0.76	0.54	0.37	0.19	
14	0.39	0.61	1.49	1.33	1.43	1.07	1.45	0.99	0.76	0.54	0.37	0.18	
15	0.38	0.60	1.53	1.32	1.43	1.06	1.46	0.98	0.75	0.54	0.36	0.16	
16	0.38	0.75	1.51	1.26	1.40	1.06	1.42	0.98	0.73	0.53	0.35	0.15	
17	0.37	0.77	1.50	1.26	1.40	1.04	1.38	0.97	0.72	0.52	0.34	0.14	
18	0.36	0.83	1.51	1.26	1.40	1.02	1.32	0.96	0.71	0.52	0.34	0.13	
19	0.36	0.85	1.51	1.31	1.40	1.02	1.31	0.95	0.71	0.51	0.33	0.12	
20	0.36	0.86	1.46	1.29	1.39	1.02	1.31	0.94	0.70	0.51	0.32	0.11	
21	0.35	0.88	1.44	1.13	1.37	1.02	1.32	0.94	0.70	0.50	0.32	0.10	
22	0.37	0.94	1.46	1.10	1.35	1.02	1.32	0.93	0.69	0.49	0.31	0.10	
23	0.36	0.97	1.50	1.08	1.33	1.39	1.28	0.92	0.68	0.49	0.31	0.10	
24	0.35	0.99	1.50	1.05	1.32	1.63	1.25	0.91	0.67	0.48	0.30	0.09	
25	0.35	1.04	1.50	1.05	1.31	1.59	1.23	0.90	0.66	0.47	0.30	0.09	
26	0.36	1.04	1.45	1.05	1.32	1.58	1.21	0.89	0.66	0.47	0.29	0.08	
27	0.36	1.06	1.52	1.03	1.31	1.55	1.22	0.89	0.66	0.46	0.29	0.07	
28	0.35	1.07	1.52	1.02	1.29	1.54	1.21	0.88	0.66	0.45	0.29	0.07	
29	0.37	1.06	1.52	1.00	1.29	1.54	1.22	0.86	0.65	0.44	0.28	0.05	
30	0.64	1.06	1.53	1.00	1.28	1.59	1.26	0.86	0.64	0.43		0.05	
31		1.08		1.00	1.28		1.24		0.63	0.42		0.05	
MEAN	0.34	0.80	1.42	1.28	1.28	1.25	1.40	1.00	0.74	0.53	0.35	0.16	
MAX	0.64	1.08	1.53	1.57	1.48	1.63	1.62	1.22	0.86	0.62	0.42	0.27	1.63
MIN	0.24	0.60	1.14	1.00	1.00	1.02	1.21	0.86	0.63	0.42	0.28	0.05	0.05

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.72 M (A.D), AT 18.00 HOURS, ON SEP 24, 1979

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

LEFT BANK ELEVATION M (A.D)

RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 131 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.18	1.17	0.01	0.42	1.50	0.32	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.25	1.28	0.01	0.40	1.42	0.28	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.28	1.31	0.00	0.38	1.35	0.25	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.38	1.28	0.00	0.38	1.28	0.22	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.51	1.00	0.00	0.38	1.28	0.17	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.53	0.87	0.01	0.32	1.24	0.12	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.38	0.87	0.01	0.32	1.13	0.08	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.61	0.87	0.01	0.32	1.10	0.06	0.00	0.00	0.00	0.00	
9	0.00	0.00	1.06	0.87	0.69	0.32	1.06	0.05	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.87	0.87	0.93	0.30	1.13	0.04	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.90	0.77	1.00	0.17	0.96	0.02	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.90	0.64	0.93	0.11	1.00	0.01	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.90	0.56	0.90	0.10	0.96	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	1.03	0.56	0.84	0.08	0.90	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	1.17	0.53	0.64	0.07	0.93	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	1.10	0.40	0.74	0.07	0.80	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	1.06	0.40	0.74	0.05	0.69	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	1.10	0.40	0.74	0.02	0.53	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	1.10	0.51	0.74	0.02	0.51	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.93	0.45	0.71	0.02	0.51	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.87	0.17	0.66	0.02	0.53	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.93	0.12	0.61	0.02	0.53	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	1.06	0.10	0.56	0.71	0.44	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	1.06	0.06	0.53	1.54	0.38	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.05	1.06	0.06	0.51	1.38	0.34	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.05	0.90	0.06	0.53	1.35	0.30	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.07	1.13	0.04	0.51	1.24	0.32	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.08	1.13	0.02	0.46	1.20	0.30	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.07	1.13	0.00	0.46	1.20	0.32	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.07	1.17	0.00	0.44	1.38	0.40	0.00	0.00	0.00		0.00	
31		0.10		0.00	0.44		0.36		0.00	0.00		0.00	
TOTAL	0.00	0.49	25.68	16.25	15.56	14.29	24.50	1.62	0.00	0.00	0.00	0.00	98.39 CMSI
MEAN	0.00	0.02	0.86	0.52	0.50	0.48	0.79	0.05	0.00	0.00	0.00	0.00	0.27 CMS
MAX	0.00	0.10	1.17	1.31	1.00	1.54	1.50	0.32	0.00	0.00	0.00	0.00	1.54 CMS
MIN	0.00	0.00	0.18	0.00	0.00	0.02	0.30	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.042	2.219	1.404	1.344	1.235	2.117	0.140	0.000	0.000	0.000	0.000	8.501 MCM

MOMENTARY PEAK 1.90 CMS, AT 1.72 M (A.D), AT 18.00 HOURS, ON SEP 24, 1979
RUNOFF YIELD 2.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 14.53 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

TONLE SAP RIVER BASIN

HUAI PHROM HOT AT BAN DAN, PRACHIN BURI (TL.1)

LOCATION — LAT. 13°43'12" N., LONG. 101°28'06" E., ON LEFT BANK NEAR THE BRIDGE OF PRACHIN BURI-ARANYAPRATHET HIGHWAY, ABOUT 7 KILOMETERS WEST OF ARANYAPRATHET, AMPHOE ARANYAPRATHET, PRACHIN BURI.

DRAINAGE AREA — 571 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +6.02 M. (A.D.)

GAGE READING FREQUENCY — 3-7 TIME DAILY READINGS AT 01.00, 06.00, 09.00, 12.00, 15.00, 18.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3-7 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1964 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1964-1965

RATED BY FLOAT — -

RATED BY CURRENT METER — 1964-1965

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +4.77 M.(A.D.) AND IS INCLUDED.

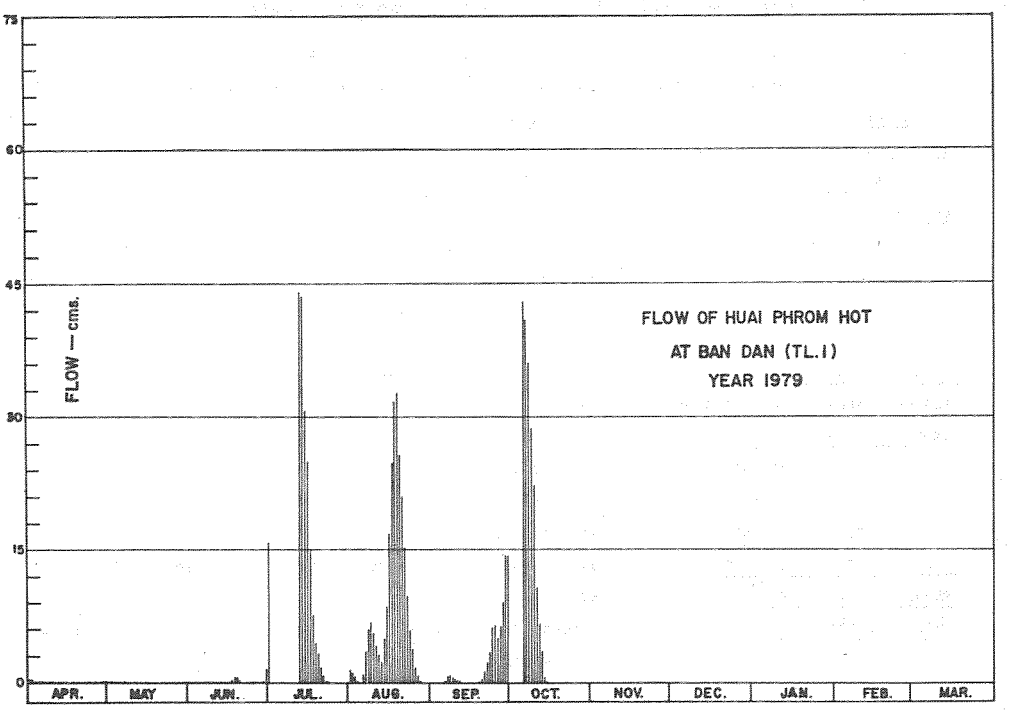
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1964.

REMARKS — NO GAGE HEIGHT RECORDS DURING JUL 2-12 AND SEP 30-OCT 5,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.87	0.87	0.96	3.96	2.16	1.27	****	1.02	0.95	0.95	0.95	0.95	
2	0.87	0.88	0.96	****	2.03	1.26	****	1.02	0.95	0.95	0.95	0.95	
3	0.87	0.88	0.96	****	1.89	1.13	****	1.05	0.95	0.95	0.95	0.95	
4	0.87	0.88	0.96	****	1.72	1.00	****	1.05	0.95	0.95	0.95	0.95	
5	0.87	0.88	0.95	****	1.61	1.05	****	1.03	0.95	0.95	0.95	0.95	
6	0.87	0.88	0.95	****	2.05	1.51	5.85	1.01	0.95	0.95	0.95	0.95	
7	0.87	0.88	0.96	****	2.57	1.89	5.70	1.00	0.95	0.95	0.95	0.95	
8	0.87	0.87	1.09	****	2.94	2.00	5.46	1.01	0.95	0.95	0.95	0.95	
9	0.87	0.87	1.30	****	3.05	1.95	4.98	1.00	0.95	0.95	0.95	0.95	
10	0.87	0.87	1.49	****	2.93	1.84	4.48	0.99	0.95	0.95	0.95	0.95	
11	0.87	0.87	1.64	****	2.72	1.80	3.47	0.99	0.95	0.95	0.95	0.94	
12	0.87	0.87	1.69	****	2.51	1.73	3.10	0.98	0.95	0.95	0.95	0.94	
13	0.87	0.87	1.70	5.88	2.40	1.67	2.57	0.97	0.95	0.95	0.95	0.94	
14	0.87	0.86	1.61	5.55	2.73	1.53	1.94	0.96	0.95	0.95	0.95	0.94	
15	0.87	0.86	1.50	5.11	3.25	1.48	1.52	0.96	0.94	0.95	0.95	0.93	
16	0.87	0.86	1.48	4.69	3.95	1.42	1.43	0.88	0.94	0.95	0.95	0.93	
17	0.86	0.86	1.75	3.66	4.64	1.51	1.39	0.86	0.94	0.95	0.95	0.92	
18	0.86	0.86	1.88	3.15	5.30	1.55	1.34	0.99	0.94	0.95	0.95	0.92	
19	0.86	0.95	1.85	2.73	5.36	1.57	1.32	0.99	0.94	0.95	0.95	0.92	
20	0.86	1.07	1.67	2.50	4.83	1.78	1.31	0.98	0.94	0.95	0.95	0.92	
21	0.86	1.10	1.56	2.23	4.35	2.09	1.27	0.97	0.94	0.95	0.95	0.94	
22	0.85	1.00	1.46	1.94	3.76	2.35	1.24	0.97	0.93	0.95	0.95	0.94	
23	0.85	1.13	1.42	1.77	3.34	2.57	1.24	0.97	0.93	0.95	0.95	0.94	
24	0.85	1.25	1.35	1.58	2.86	2.98	1.24	0.97	0.93	0.95	0.95	0.94	
25	0.84	1.15	1.30	1.43	2.50	3.03	1.20	0.96	0.95	0.95	0.95	0.93	
26	0.84	1.07	1.05	1.33	2.19	2.83	1.20	0.96	0.95	0.95	0.95	0.93	
27	0.83	1.00	1.22	1.25	1.96	2.91	1.17	0.96	0.95	0.95	0.95	0.93	
28	0.83	0.97	1.38	1.35	1.66	3.13	1.11	0.95	0.94	0.95	0.95	0.93	
29	0.83	0.92	1.74	1.44	1.41	3.85	1.05	0.95	0.94	0.95	0.95	0.93	
30	0.83	0.90	2.14	1.35	1.30	****	1.03	0.95	0.95	0.95		0.93	
31		0.89		1.35	1.28		1.02		0.95	0.95		0.93	
MEAN	0.86	0.94	1.40	****	2.81	****	****	0.98	0.95	0.95	0.95	0.94	
MAX	0.87	1.25	2.14	5.88	5.36	3.85	5.85	1.05	0.95	0.95	0.95	0.95	5.88
MIN	0.83	0.86	0.95	****	1.28	****	****	0.86	0.93	0.95	0.95	0.92	****

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.97 M (A.D), AT 6.00 HOURS, ON JUL 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.17 M (A.D)
LEFT BANK ELEVATION 4.76 M (A.D)
RIGHT BANK ELEVATION 4.80 M (A.D), DRAINAGE AREA 571 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	15.8	1.4	0.0	****	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	****	1.0	0.0	****	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	****	0.6	0.0	****	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	****	0.1	0.0	****	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	****	0.0	0.0	****	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	****	1.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	****	3.3	0.6	39.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	****	5.8	0.9	34.5	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	****	6.6	0.7	27.6	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	****	5.7	0.4	21.5	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	****	4.2	0.3	10.5	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	****	3.0	0.1	7.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	44.0	2.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	36.1	4.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	29.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	24.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.2	12.5	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.5	7.4	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.5	4.3	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	2.9	25.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	1.6	20.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.7	13.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.2	9.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	5.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	2.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	1.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.1	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	1.3	0.0	0.0	****	0.0	0.0	0.0	0.0		0.0	
31		0.0		0.0	0.0		0.0		0.0	0.0		0.0	
TOTAL	0.0	0.0	2.6	****	230.1	****	****	0.0	0.0	0.0	0.0	0.0	**** CMSDAY
MEAN	0.0	0.0	0.1	****	7.4	****	****	0.0	0.0	0.0	0.0	0.0	**** CMS
MAX	0.0	0.0	1.3	44.0	32.8	14.5	43.0	0.0	0.0	0.0	0.0	0.0	44.0 CMS
MIN	0.0	0.0	0.0	****	0.0	****	****	0.0	0.0	0.0	0.0	0.0	**** CMS
RUNOFF	0.00	0.00	0.22	****	19.88	****	****	0.00	0.00	0.00	0.00	0.00	**** MCM

MOMENTARY PEAK 47.61 CMS, AT 5.97 M (A.D), AT 6.00 HOURS, ON JUL 13, 1979
RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 83.38 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAKHON NAYOK RIVER BASIN

NAKHON NAYOK RIVER AT BAN KHAO KARIANG, NAKHON NAYOK (NY.1B)

LOCATION — LAT. 14°-14'-45" N., LONG. 101°-12'-38" E., ON LEFT BANK ABOUT 700 METERS UPSTREAM FROM NY.1 STATION AT BAN KHAO KARIANG, AMPHOE MUANG, NAKHON NAYOK.

DRAINAGE AREA — 519 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE FENCE OF GAGE OBSERVER'S HOUSE.

ELEVATION — +8.758 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1973 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

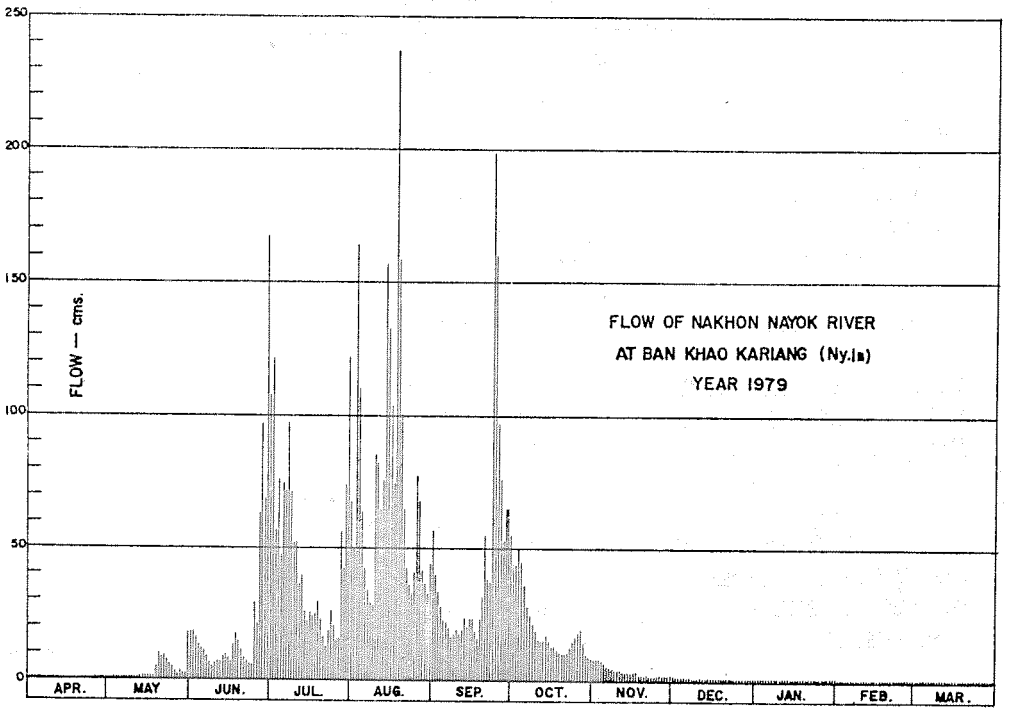
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.42	3.52	4.58	6.55	5.56	5.62	5.50	4.16	3.63	3.53	3.51	3.48	
2	3.42	3.52	4.59	6.76	5.39	5.14	5.28	4.14	3.62	3.53	3.51	3.48	
3	3.42	3.51	4.48	5.63	7.37	4.96	5.30	4.14	3.62	3.53	3.51	3.48	
4	3.42	3.50	4.42	6.02	6.58	4.82	5.44	4.11	3.62	3.59	3.50	3.48	
5	3.42	3.49	4.38	5.41	5.60	4.70	5.28	4.07	3.61	3.62	3.50	3.47	
6	3.41	3.48	4.30	5.97	5.24	4.72	5.00	3.96	3.61	3.55	3.50	3.47	
7	3.41	3.47	4.16	5.89	5.02	4.61	4.86	3.92	3.60	3.53	3.49	3.47	
8	3.41	3.48	4.02	6.39	4.91	4.52	4.75	3.89	3.60	3.52	3.49	3.47	
9	3.41	3.49	3.93	5.95	4.88	4.56	4.67	3.87	3.59	3.53	3.49	3.47	
10	3.40	3.50	4.04	5.52	6.19	4.61	4.56	3.86	3.59	3.54	3.49	3.46	
11	3.40	3.55	4.07	5.52	6.11	4.50	4.48	3.85	3.59	3.53	3.49	3.46	
12	3.40	3.55	4.02	5.08	5.77	4.59	4.41	3.81	3.58	3.53	3.49	3.45	
13	3.40	3.55	4.14	5.19	6.04	4.73	4.49	3.79	3.58	3.53	3.49	3.45	
14	3.40	3.55	4.19	4.64	7.27	4.66	4.51	3.77	3.57	3.53	3.49	3.45	
15	3.40	3.55	4.14	4.66	6.98	4.73	4.46	3.75	3.57	3.53	3.49	3.44	
16	3.40	3.54	4.06	4.80	6.58	4.73	4.41	3.74	3.57	3.53	3.49	3.45	
17	3.40	3.54	4.30	4.76	5.98	4.56	4.39	3.73	3.57	3.53	3.48	3.45	
18	3.40	3.53	4.57	4.81	8.23	4.47	4.33	3.71	3.57	3.53	3.48	3.45	
19	3.40	3.54	4.48	4.92	7.00	4.64	4.28	3.69	3.56	3.53	3.48	3.45	
20	3.40	3.97	4.27	4.69	6.42	4.88	4.23	3.68	3.56	3.53	3.48	3.46	
21	3.40	4.23	4.12	4.53	5.71	5.59	4.24	3.68	3.56	3.52	3.48	3.47	
22	3.42	4.16	4.05	4.38	5.28	5.11	4.25	3.68	3.56	3.52	3.48	3.47	
23	3.41	4.19	4.01	4.51	5.10	5.13	4.38	3.67	3.56	3.52	3.48	3.47	
24	3.41	4.11	4.02	4.84	5.00	7.78	4.46	3.66	3.56	3.52	3.48	3.47	
25	3.51	4.01	4.88	4.65	5.24	7.38	4.52	3.65	3.55	3.52	3.48	3.47	
26	3.52	3.93	4.65	4.47	6.03	6.48	4.56	3.65	3.55	3.52	3.48	3.46	
27	3.51	3.78	5.82	4.48	5.55	5.99	4.58	3.65	3.55	3.52	3.48	3.46	
28	3.52	3.71	6.39	5.61	5.26	5.54	4.35	3.65	3.54	3.52	3.48	3.46	
29	3.54	3.77	5.87	5.26	5.20	5.80	4.23	3.64	3.54	3.52	3.48	3.45	
30	3.53	3.73	7.40	6.45	5.02	5.79	4.19	3.63	3.54	3.52		3.45	
31		4.57		6.93	5.30		4.17		3.53	3.51		3.45	
MEAN	3.43	3.71	4.54	5.33	5.86	5.18	4.60	3.81	3.58	3.53	3.49	3.46	
MAX	3.54	4.57	7.40	6.93	8.23	7.78	5.50	4.16	3.63	3.62	3.51	3.48	8.23
MIN	3.40	3.47	3.93	4.38	4.88	4.47	4.17	3.63	3.53	3.51	3.48	3.44	3.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.27 M (MSL), AT 5.00 HOURS, ON AUG 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (MSL), RIVER BED 2.73 M (MSL)
LEFT BANK ELEVATION 9.67 M (MSL)
RIGHT BANK ELEVATION 9.35 M (MSL), DRAINAGE AREA 519 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.84	18.04	107.00	54.20	56.90	51.50	8.40	1.70	0.91	0.77	0.56	
2	0.14	0.84	18.32	120.76	46.60	36.98	42.24	8.10	1.60	0.91	0.77	0.56	
3	0.14	0.77	15.24	57.35	164.96	30.44	43.00	8.10	1.60	0.91	0.77	0.56	
4	0.14	0.70	13.56	76.34	108.92	25.68	48.80	7.65	1.60	1.33	0.70	0.56	
5	0.14	0.63	12.60	47.45	56.00	21.80	42.24	7.05	1.50	1.60	0.70	0.49	
6	0.07	0.56	11.00	73.80	40.72	22.44	31.80	5.48	1.50	1.05	0.70	0.49	
7	0.07	0.49	8.40	69.80	32.54	18.92	27.04	4.96	1.40	0.91	0.63	0.49	
8	0.07	0.56	6.30	97.01	28.74	16.36	23.40	4.57	1.40	0.84	0.63	0.49	
9	0.07	0.63	5.09	72.80	27.72	17.48	20.84	4.31	1.33	0.91	0.63	0.49	
10	0.00	0.70	6.60	52.40	85.45	18.92	17.48	4.18	1.33	0.98	0.63	0.42	
11	0.00	1.05	7.05	52.40	81.05	15.80	15.24	4.05	1.33	0.91	0.63	0.42	
12	0.00	1.05	6.30	34.76	63.86	18.32	13.28	3.53	1.26	0.91	0.63	0.35	
13	0.00	1.05	8.10	38.83	77.38	22.76	15.52	3.30	1.26	0.91	0.63	0.35	
14	0.00	1.05	6.85	19.88	157.25	20.52	16.08	3.10	1.19	0.91	0.63	0.35	
15	0.00	1.05	8.10	20.52	135.96	22.76	14.68	2.90	1.19	0.91	0.63	0.28	
16	0.00	0.98	6.90	25.00	108.92	22.76	13.28	2.80	1.19	0.91	0.63	0.35	
17	0.00	0.98	11.00	23.72	74.30	17.48	12.80	2.70	1.19	0.91	0.56	0.35	
18	0.00	0.91	17.76	25.34	237.23	14.96	11.60	2.50	1.19	0.91	0.56	0.35	
19	0.00	0.98	15.24	29.08	137.40	19.88	10.60	2.30	1.12	0.91	0.56	0.35	
20	0.00	5.61	10.40	21.48	98.84	27.72	9.60	2.20	1.12	0.91	0.56	0.42	
21	0.00	9.60	7.80	16.64	60.98	55.55	9.80	2.20	1.12	0.84	0.56	0.49	
22	0.14	8.40	6.75	12.60	42.24	35.87	10.00	2.20	1.12	0.84	0.56	0.49	
23	0.07	8.85	6.15	16.08	35.50	36.61	12.60	2.10	1.12	0.84	0.56	0.49	
24	0.07	7.65	6.30	26.36	31.80	198.34	14.68	2.00	1.12	0.84	0.56	0.49	
25	0.77	6.15	27.72	20.20	40.72	165.74	16.36	1.90	1.05	0.84	0.56	0.49	
26	0.84	5.09	20.20	14.96	76.86	102.56	17.48	1.90	1.05	0.84	0.56	0.42	
27	0.77	3.20	66.30	15.24	53.75	74.80	18.04	1.90	1.05	0.84	0.56	0.42	
28	0.84	2.50	97.01	56.45	41.48	53.30	12.00	1.90	0.98	0.84	0.56	0.42	
29	0.98	3.10	68.80	41.48	39.20	65.30	9.60	1.80	0.98	0.84	0.56	0.35	
30	0.91	2.70	167.30	100.70	32.54	64.82	8.85	1.70	0.98	0.84		0.35	
31		17.76		132.36	43.00		8.55		0.91	0.77		0.35	
TOTAL	6.37	96.43	689.18	1518.79	2316.11	1321.77	618.98	111.78	38.48	28.62	17.99	13.44	6777.93 CMSDAY
MEAN	0.21	3.11	22.97	48.99	74.71	44.06	19.97	3.73	1.24	0.92	0.62	0.43	18.52 CMS
MAX	0.98	17.76	167.30	132.36	237.23	198.34	51.50	8.40	1.70	1.60	0.77	0.56	237.23 CMS
MIN	0.00	0.49	5.09	12.60	27.72	14.96	8.55	1.70	0.91	0.77	0.56	0.28	0.00 CMS
RUNOFF	0.550	8.332	59.545	131.223	200.112	114.201	53.480	9.658	3.325	2.473	1.554	1.161	585.613 MCM

MOMENTARY PEAK 337.00 CMS, AT 9.27 M (MSL), AT 5.00 HOURS, ON AUG 18, 1979

RUNOFF YIELD 35.68 LITERS/SECOND/SQUARE KM. MOMENTARY PEAK YIELD 649.33 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

NAKHON NAYOK RIVER BASIN

KHLONG BAN NA AT BAN PA KHA, NAKHON NAYOK (NY.3)

LOCATION — LAT. 14°-17'-07" N., LONG. 100°-04'-26" E., ON LEFT BANK NEAR WAT BAN PA KHA, TAMBON PA KHA, AMPHOE BAN NA, NAKHON NAYOK.

DRAINAGE AREA — 203 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-R.I.D.

LOCATION — ABOUT 10 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +5.168 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 21 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

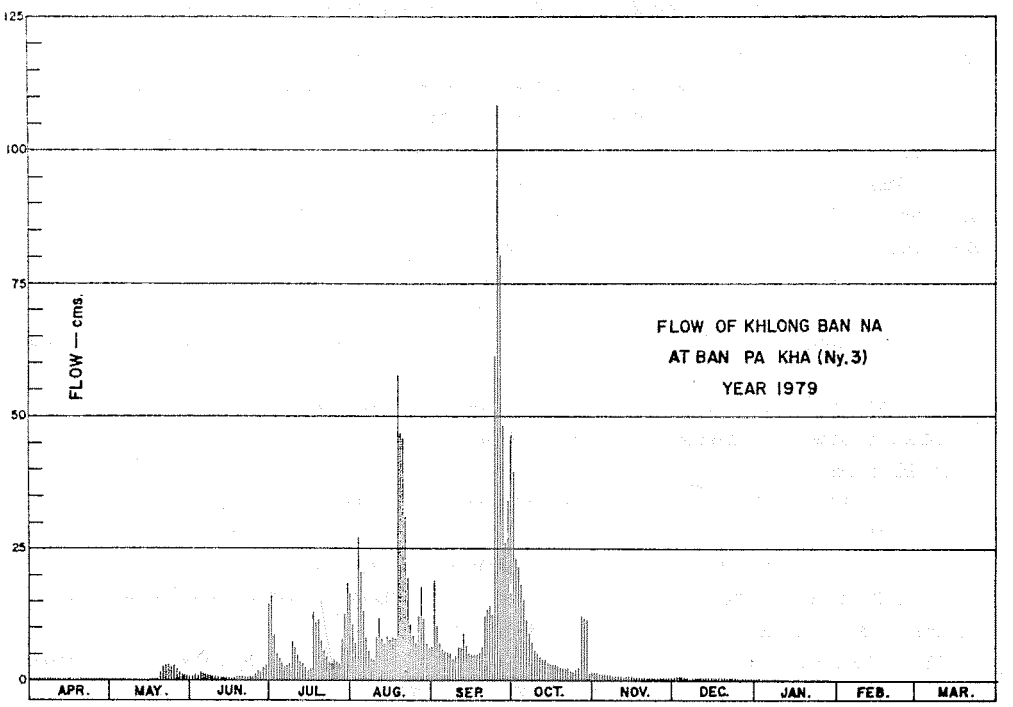
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.51	0.58	0.77	2.23	1.75	2.41	3.52	0.91	0.77	0.67	0.60	0.55	
2	0.50	0.57	0.87	1.65	1.46	1.83	2.70	0.90	0.78	0.67	0.60	0.55	
3	0.50	0.59	0.82	1.40	2.91	1.57	2.56	0.84	0.74	0.68	0.59	0.55	
4	0.47	0.58	0.94	1.28	2.55	1.45	2.37	0.84	0.74	0.73	0.57	0.55	
5	0.47	0.58	0.91	1.16	1.91	1.39	2.18	0.84	0.72	0.64	0.57	0.54	
6	0.61	0.60	0.85	1.09	1.67	1.41	1.88	0.83	0.71	0.66	0.60	0.54	
7	0.57	0.59	0.85	1.11	1.43	1.38	1.70	0.81	0.71	0.65	0.60	0.55	
8	0.55	0.60	0.82	1.14	1.31	1.30	1.55	0.81	0.72	0.66	0.60	0.56	
9	0.55	0.61	0.77	1.57	1.26	1.30	1.45	0.79	0.75	0.68	0.59	0.55	
10	0.61	0.57	0.76	1.40	1.61	1.49	1.35	0.81	0.72	0.67	0.59	0.55	
11	0.61	0.56	0.75	1.27	1.94	1.47	1.29	0.80	0.71	0.68	0.60	0.55	
12	0.61	0.58	0.74	1.20	1.63	1.72	1.25	0.75	0.73	0.62	0.59	0.54	
13	0.62	0.60	0.74	1.15	1.58	1.50	1.21	0.74	0.68	0.61	0.59	0.52	
14	0.60	0.60	0.73	1.08	1.69	1.39	1.17	0.77	0.67	0.67	0.58	0.55	
15	0.63	0.59	0.72	0.99	1.63	1.38	1.15	0.77	0.72	0.64	0.58	0.54	
16	0.63	0.58	0.71	1.00	1.67	1.35	1.14	0.74	0.67	0.60	0.58	0.59	
17	0.62	0.58	0.71	2.04	1.56	1.38	1.09	0.73	0.70	0.60	0.59	0.56	
18	0.60	0.58	0.75	1.89	4.27	1.43	1.08	0.74	0.69	0.60	0.58	0.55	
19	0.59	0.57	0.78	1.92	3.57	1.40	1.07	0.73	0.71	0.60	0.59	0.56	
20	0.59	0.94	0.75	1.64	3.57	1.84	1.05	0.72	0.72	0.60	0.58	0.55	
21	0.58	1.10	0.73	1.47	3.04	2.01	1.04	0.72	0.67	0.61	0.56	0.55	
22	0.57	1.11	0.73	1.28	2.21	2.09	1.03	0.72	0.69	0.60	0.55	0.55	
23	0.58	1.11	0.72	1.18	1.86	1.95	0.98	0.72	0.66	0.60	0.55	0.54	
24	0.57	1.08	0.71	1.12	1.65	3.78	0.97	0.72	0.68	0.60	0.55	0.52	
25	0.60	1.11	0.87	1.24	1.57	5.94	1.03	0.71	0.67	0.60	0.55	0.52	
26	0.63	1.02	0.99	1.17	1.96	5.10	1.06	0.73	0.67	0.60	0.55	0.52	
27	0.62	0.91	0.95	1.11	2.36	3.84	1.98	0.71	0.63	0.60	0.55	0.52	
28	0.60	0.86	1.06	1.62	1.91	2.84	1.97	0.72	0.63	0.60	0.55	0.53	
29	0.60	0.83	1.09	1.80	1.63	3.13	1.92	0.71	0.65	0.60	0.55	0.52	
30	0.59	0.79	2.10	2.37	1.50	3.81	0.92	0.73	0.67	0.60		0.52	
31		0.77		2.27	1.49		0.93		0.65	0.60		0.52	
MEAN	0.58	0.73	0.86	1.45	2.00	2.16	1.50	0.77	0.70	0.63	0.58	0.54	
MAX	0.63	1.11	2.10	2.37	4.27	5.94	3.52	0.91	0.78	0.73	0.60	0.59	5.94
MIN	0.47	0.56	0.71	0.99	1.26	1.30	0.92	0.71	0.63	0.60	0.55	0.52	0.47

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.02 M (A.D.), AT 9.00 HOURS, ON SEP 25, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.60 M (A.D.)

LEFT BANK ELEVATION — 6.48 M (A.D.)

RIGHT BANK ELEVATION — 6.42 M (A.D.), DRAINAGE AREA 203 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.08	0.68	15.95	9.15	18.76	39.84	1.26	0.68	0.31	0.10	0.05	
2	0.00	0.07	1.08	7.95	5.86	10.22	23.50	1.20	0.72	0.31	0.10	0.05	
3	0.00	0.09	0.88	5.20	27.20	7.07	21.16	0.96	0.56	0.34	0.09	0.05	
4	0.00	0.08	1.44	4.04	21.00	5.75	18.12	0.96	0.56	0.52	0.07	0.05	
5	0.00	0.08	1.26	3.08	11.34	5.10	15.20	0.96	0.48	0.22	0.07	0.04	
6	0.13	0.10	1.00	2.52	8.17	5.31	10.92	0.92	0.44	0.28	0.10	0.04	
7	0.07	0.09	1.00	2.68	5.53	5.00	8.50	0.84	0.44	0.25	0.10	0.05	
8	0.05	0.10	0.88	2.92	4.30	4.20	6.85	0.84	0.48	0.28	0.10	0.06	
9	0.05	0.13	0.68	7.07	3.88	4.20	5.75	0.76	0.60	0.34	0.09	0.05	
10	0.13	0.07	0.64	5.20	7.51	6.19	4.70	0.84	0.48	0.31	0.09	0.05	
11	0.13	0.06	0.60	3.96	11.76	5.97	4.12	0.80	0.44	0.34	0.10	0.05	
12	0.13	0.08	0.56	3.40	7.73	8.76	3.80	0.60	0.52	0.16	0.09	0.04	
13	0.16	0.10	0.56	3.00	7.18	6.30	3.48	0.56	0.34	0.13	0.09	0.02	
14	0.10	0.10	0.52	2.44	8.39	5.10	3.16	0.68	0.31	0.31	0.08	0.05	
15	0.19	0.09	0.48	1.74	7.73	5.00	3.00	0.68	0.48	0.22	0.08	0.04	
16	0.19	0.08	0.44	1.80	8.17	4.70	2.92	0.56	0.31	0.10	0.08	0.09	
17	0.16	0.08	0.44	13.16	6.95	5.00	2.52	0.52	0.40	0.10	0.09	0.06	
18	0.10	0.08	0.60	11.06	57.25	5.53	2.44	0.56	0.37	0.10	0.08	0.05	
19	0.09	0.07	0.72	11.48	40.94	5.20	2.36	0.52	0.44	0.10	0.09	0.06	
20	0.09	1.44	0.60	7.84	40.94	10.36	2.20	0.48	0.48	0.10	0.08	0.05	
21	0.08	2.60	0.52	5.97	29.80	12.74	2.12	0.48	0.31	0.13	0.06	0.05	
22	0.07	2.68	0.52	4.04	15.65	13.86	2.04	0.48	0.37	0.10	0.05	0.05	
23	0.08	2.68	0.48	3.24	10.64	11.90	1.56	0.48	0.28	0.10	0.05	0.04	
24	0.07	2.44	0.44	2.76	7.95	45.56	1.62	0.48	0.34	0.10	0.05	0.02	
25	0.10	2.68	1.08	3.72	7.07	108.26	2.04	0.44	0.31	0.10	0.05	0.02	
26	0.19	1.96	1.74	3.16	12.04	81.70	2.28	0.52	0.31	0.10	0.05	0.02	
27	0.16	1.26	1.50	2.68	17.96	46.92	12.32	0.44	0.19	0.10	0.05	0.02	
28	0.10	1.04	2.28	7.62	11.34	25.92	12.18	0.48	0.19	0.10	0.05	0.03	
29	0.10	0.92	2.52	9.80	7.73	31.60	11.48	0.44	0.25	0.10	0.05	0.02	
30	0.09	0.76	14.00	18.12	6.30	46.23	1.32	0.52	0.31	0.10		0.02	
31		0.68		16.55	6.19		1.38		0.25	0.10		0.02	
TOTAL	2.82	22.77	40.14	194.15	433.66	558.41	234.88	20.26	12.64	5.95	2.23	1.31	1529.22 CMSDAY
MEAN	0.09	0.73	1.34	6.26	13.99	18.61	7.58	0.68	0.41	0.19	0.08	0.04	4.18 CMS
MAX	0.19	2.68	14.00	18.12	57.25	108.26	39.84	1.26	0.72	0.52	0.10	0.09	108.26 CMS
MIN	0.00	0.06	0.44	1.74	3.88	4.20	1.32	0.44	0.19	0.10	0.05	0.02	0.00 CMS
RUNOFF	0.244	1.967	3.468	16.775	37.468	48.247	20.294	1.750	1.092	0.514	0.193	0.113	132.124 MCM

MOMENTARY PEAK 110.98 CMS, AT 6.02 M (A.D), AT 9.00 HOURS, ON SEP 25, 1979

RUNOFF YIELD 28.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 546.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

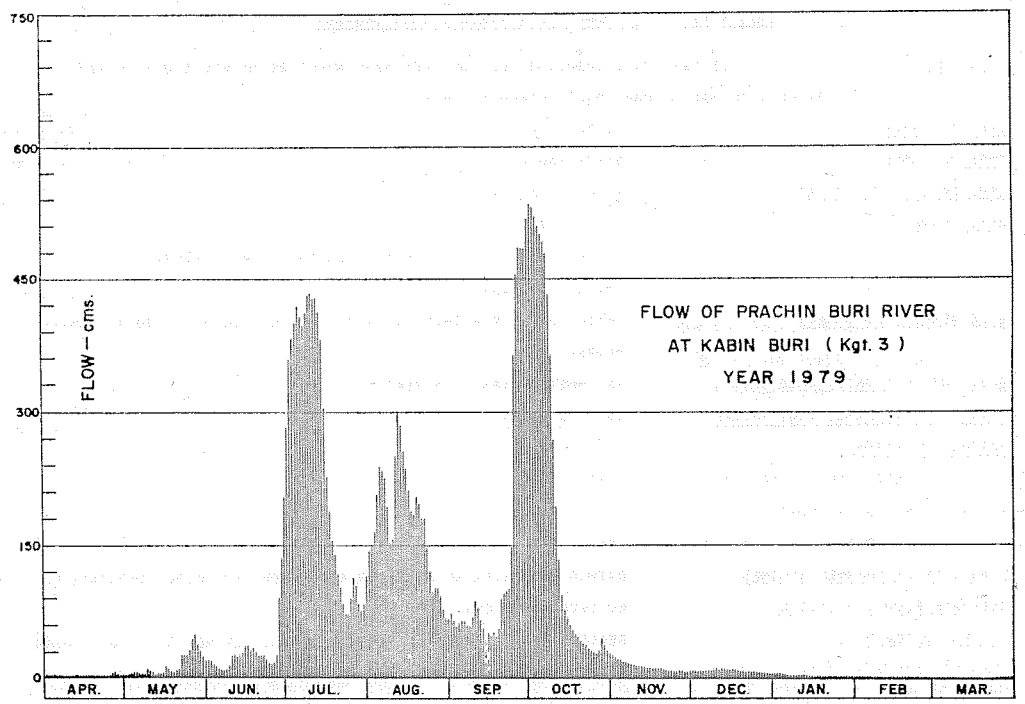
PRACHIN RIVER AT KABIN BURI, PRACHIN BURI (KGT.3)

LOCATION	LAT. 13°59'05" N., LONG. 101°42'32" E., ON LEFT BANK INFRONT OF AMPHOE KABIN BURI OFFICE AND ABOUT 500 METERS DOWNSTREAM FROM THE CONFLUENCE OF LAM PRONG AND LAM HANUMAN, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	7,502 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	-0.49 M. (M.S.L.)
BENCH MARK	B.M.-R.I.D.
LOCATION	ON LEFT BANK AT THE FENCE OF AMPHOE KABIN BURI OFFICE.
ELEVATION	+10.795 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1941 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1941-1943, 1945, 1964 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1941-1943, 1945, 1964 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.57	1.34	5.90	3.99	2.69	9.08	1.63	0.97	0.76	0.53	0.50	
2	0.39	0.57	1.36	6.93	4.14	2.50	9.07	1.55	0.97	0.75	0.53	0.50	
3	0.38	0.73	1.20	7.20	4.42	2.42	8.94	1.50	0.96	0.73	0.52	0.49	
4	0.37	0.76	1.09	7.35	4.84	2.51	8.84	1.43	0.97	0.69	0.51	0.49	
5	0.37	0.84	1.00	7.69	5.42	2.52	8.73	1.39	0.98	0.66	0.52	0.49	
6	0.37	0.76	0.95	7.49	5.37	2.51	8.61	1.36	0.97	0.64	0.52	0.49	
7	0.37	0.70	0.93	7.41	5.24	2.44	8.39	1.33	0.96	0.64	0.51	0.48	
8	0.36	0.73	0.95	7.55	4.71	2.39	7.78	1.28	0.93	0.63	0.51	0.48	
9	0.36	0.95	1.12	7.83	4.18	2.62	6.84	1.24	0.93	0.63	0.51	0.47	
10	0.36	0.86	1.57	7.87	4.25	2.99	5.65	1.22	1.05	0.62	0.51	0.46	
11	0.43	0.78	1.60	7.79	5.39	2.85	4.57	1.21	1.00	0.62	0.51	0.45	
12	0.45	0.71	1.55	7.80	6.21	2.52	3.72	1.17	1.05	0.61	0.51	0.45	
13	0.39	0.73	1.67	7.55	6.04	2.33	3.20	1.14	1.05	0.61	0.51	0.44	
14	0.40	0.71	1.67	7.02	5.56	2.28	2.86	1.12	1.03	0.60	0.52	0.44	
15	0.40	0.79	1.86	6.18	5.36	2.19	2.62	1.11	1.03	0.60	0.52	0.44	
16	0.43	1.07	1.88	5.29	5.12	2.12	2.46	1.09	1.01	0.59	0.52	0.45	
17	0.43	1.03	1.72	4.72	4.69	2.25	2.33	1.07	0.99	0.59	0.52	0.45	
18	0.43	0.88	1.79	4.24	4.65	2.14	2.20	1.06	0.97	0.58	0.51	0.44	
19	0.44	0.77	1.66	3.89	4.92	2.32	2.11	1.04	0.95	0.58	0.51	0.43	
20	0.43	0.87	1.58	3.61	4.81	3.03	2.03	1.02	0.93	0.57	0.51	0.47	
21	0.42	1.02	1.55	3.29	4.55	3.17	1.95	1.01	0.91	0.56	0.50	0.44	
22	0.41	1.53	1.56	2.96	4.59	3.21	1.87	0.99	0.89	0.56	0.49	0.43	
23	0.41	1.55	1.41	2.67	4.03	3.25	1.79	0.99	0.86	0.56	0.48	0.43	
24	0.41	1.55	1.30	2.68	3.55	4.03	1.73	0.98	0.86	0.55	0.48	0.46	
25	0.43	1.74	1.27	3.09	3.18	6.83	1.70	0.97	0.85	0.55	0.48	0.45	
26	0.81	2.04	1.28	3.52	3.28	8.09	1.66	0.96	0.82	0.55	0.48	0.50	
27	0.70	2.15	1.65	3.33	3.24	8.51	1.70	0.94	0.80	0.55	0.48	0.50	
28	0.62	1.83	2.86	2.90	3.05	8.51	2.07	0.93	0.78	0.54	0.48	0.50	
29	0.59	1.69	4.52	2.73	2.80	8.51	1.85	0.92	0.76	0.54	0.48	0.49	
30	0.55	1.51	4.99	2.95	2.64	8.86	1.71	0.94	0.78	0.53		0.47	
31		1.36		3.59	2.55		1.66		0.77	0.53		0.46	
MEAN	0.44	1.09	1.70	5.32	4.41	3.75	4.18	1.15	0.93	0.60	0.51	0.47	
MAX	0.81	2.15	4.99	7.87	6.21	8.86	9.08	1.63	1.05	0.76	0.53	0.50	9.08
MIN	0.36	0.57	0.93	2.67	2.55	2.12	1.66	0.92	0.76	0.53	0.48	0.43	0.36

ANNUAL MAA MOMENTARY GAGE HEIGHT 9.11 M.(MSL), AT 18.00 HOURS, ON OCT 1, 1979
ZERO GAGE AT BOTTOM ELEVATION -0.49 M.(MSL), RIVER BED -0.20 M (MSL)
LEFT BANK ELEVATION 11.00 M.(MSL)
RIGHT BANK ELEVATION 9.30 M.(MSL), DRAINAGE AREA 7502 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	1.6	18.2	275.0	141.4	71.5	535.2	27.2	9.4	5.2	1.2	0.8	
2	0.0	1.6	18.8	357.4	150.4	62.0	534.3	24.5	9.4	5.0	1.2	0.8	
3	0.0	4.6	14.0	379.0	167.4	58.8	522.6	23.0	9.2	4.6	1.0	0.7	
4	0.0	5.2	11.8	391.0	196.8	62.5	513.6	20.9	9.4	3.8	0.9	0.7	
5	0.0	6.8	10.0	418.2	237.4	63.0	503.7	19.7	9.6	3.2	1.0	0.7	
6	0.0	5.2	9.0	402.2	233.9	62.5	492.9	18.8	9.4	2.8	1.0	0.7	
7	0.0	4.0	8.6	395.8	224.8	59.6	474.2	17.9	9.2	2.8	0.9	0.6	
8	0.0	4.6	9.0	407.0	187.7	57.6	425.4	16.4	8.6	2.6	0.9	0.6	
9	0.0	9.0	12.4	429.4	152.8	68.0	350.2	15.2	8.6	2.6	0.9	0.6	
10	0.0	7.2	25.1	432.6	157.0	86.5	255.0	14.6	11.0	2.4	0.9	0.5	
11	0.2	5.6	26.0	426.2	235.3	79.5	177.9	14.3	10.0	2.4	0.9	0.4	
12	0.4	4.2	24.5	427.0	299.8	63.0	125.2	13.4	11.0	2.2	0.9	0.4	
13	0.0	4.6	28.8	407.0	286.2	55.2	97.0	12.8	11.0	2.2	0.9	0.3	
14	0.0	4.2	28.8	364.6	247.8	53.2	80.0	12.4	10.6	2.0	1.0	0.3	
15	0.0	5.8	36.4	297.4	234.6	49.6	68.0	12.2	10.6	2.0	1.0	0.3	
16	0.2	11.4	37.2	228.3	216.4	46.8	60.4	11.8	10.2	1.9	1.0	0.4	
17	0.2	10.6	30.8	188.4	186.3	52.0	55.2	11.4	9.8	1.9	1.0	0.4	
18	0.2	7.6	33.6	156.4	183.5	47.6	50.0	11.2	9.4	1.8	0.9	0.3	
19	0.3	5.4	28.4	135.4	202.4	54.8	46.4	10.8	9.0	1.8	0.9	0.2	
20	0.2	7.4	25.4	118.6	194.7	88.5	43.2	10.4	8.6	1.6	0.9	0.6	
21	0.2	10.4	24.5	101.5	176.5	95.5	40.0	10.2	8.2	1.5	0.8	0.3	
22	0.1	23.9	24.8	85.0	179.3	97.5	36.8	9.8	7.8	1.5	0.7	0.2	
23	0.1	24.5	20.3	70.5	143.8	99.5	33.6	9.8	7.2	1.5	0.6	0.2	
24	0.1	24.5	17.0	71.0	115.0	143.8	31.2	9.6	7.2	1.4	0.6	0.5	
25	0.2	31.6	16.1	91.5	96.0	349.4	30.0	9.4	7.0	1.4	0.6	0.4	
26	6.2	43.6	16.4	113.2	101.0	450.2	28.4	9.2	6.4	1.4	0.6	0.8	
27	4.0	48.0	28.0	103.5	99.0	483.9	30.0	8.8	6.0	1.4	0.6	0.8	
28	2.4	35.2	80.0	82.0	89.5	483.9	44.8	8.6	5.6	1.3	0.6	0.8	
29	1.9	29.6	174.4	73.5	77.0	483.9	36.0	8.4	5.2	1.3	0.6	0.7	
30	1.4	23.3	207.3	84.5	69.0	515.4	30.4	8.8	5.6	1.2		0.6	
31		18.8		117.4	64.5		28.4		5.4	1.2		0.5	
TOTAL	18.3	430.0	1045.6	7630.5	5347.2	4445.2	5780.0	411.5	265.6	69.9	25.0	16.1	25484.9 CMSDAY
MEAN	0.6	13.9	34.9	246.1	172.5	148.2	186.5	13.7	8.6	2.3	0.9	0.5	69.6 CMS
MAX	6.2	48.0	207.3	432.6	299.8	515.4	535.2	27.2	11.0	5.2	1.2	0.8	535.2 CMS
MIN	0.0	1.6	8.6	70.5	64.5	46.8	28.4	8.4	5.2	1.2	0.6	0.2	0.0 CMS
RUNOFF	1.56	37.15	90.34	659.27	462.00	384.07	499.39	35.55	22.95	6.04	2.16	1.39	2201.89 MCM

MOMENTARY PEAK 537.90 CMS, AT 9.11 M (MSL), AT 18.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 9.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 71.70 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

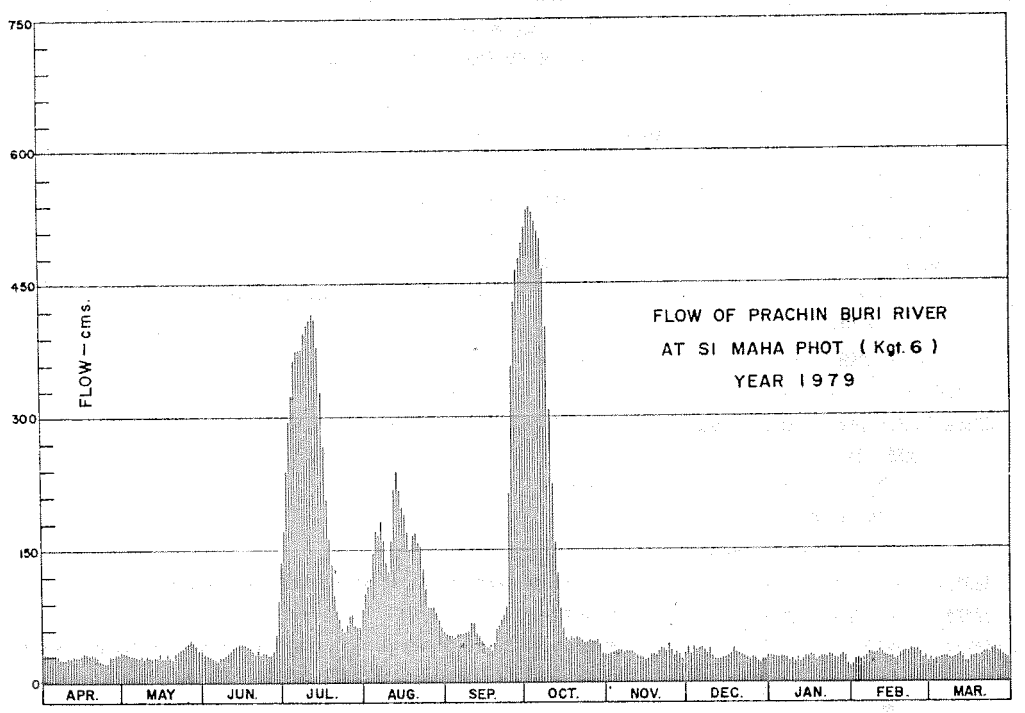
PRACHIN RIVER AT SI MAHA PHOT, PRACHIN BURI (KGT.6)

LOCATION	LAT. 13°58'21" N., LONG. 101°30'57" E., ON LEFT BANK ABOUT 25 METERS SOUTH OF WAT PRATHUM, AMPHOE SI MAHA PHOT, PRACHIN BURI.
DRAINAGE AREA	7,978 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK ABOUT 10 METERS SOUTH OF WAT PRATHUM.
ELEVATION	+8.310 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967
RATED BY FLOAT	-
RATED BY CURRENT METER	1967
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1967.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.43	2.47	2.43	4.73	3.83	3.01	7.73	2.41	2.66	2.32	2.04	2.29	
2	2.43	2.43	2.37	5.52	3.98	2.97	7.83	2.46	2.50	2.31	2.19	2.14	
3	2.40	2.41	2.34	6.12	4.10	2.97	7.85	2.54	2.68	2.31	2.29	2.21	
4	2.42	2.35	2.28	6.40	4.40	2.93	7.82	2.55	2.61	2.27	2.22	2.18	
5	2.41	2.34	2.22	6.73	4.88	3.02	7.78	2.58	2.62	2.30	2.29	2.26	
6	2.36	2.34	2.17	6.80	4.83	3.02	7.72	2.57	2.65	2.30	2.30	2.30	
7	2.22	2.26	2.31	6.80	5.02	3.02	7.62	2.49	2.56	2.28	2.38	2.31	
8	2.21	2.33	2.35	6.83	4.79	3.03	7.43	2.56	2.48	2.15	2.47	2.24	
9	2.20	2.26	2.41	6.96	4.40	3.11	7.00	2.52	2.64	2.25	2.43	2.25	
10	2.28	2.36	2.48	7.03	4.21	3.26	6.34	2.52	2.39	2.10	2.43	2.23	
11	2.27	2.30	2.58	7.06	4.71	3.28	5.69	2.43	2.29	2.27	2.57	2.27	
12	2.33	2.28	2.64	7.10	5.42	3.05	4.96	2.38	2.23	2.05	2.48	2.37	
13	2.31	2.31	2.68	7.06	5.64	2.92	4.24	2.30	2.23	2.25	2.38	2.28	
14	2.28	2.30	2.72	6.86	5.45	2.81	3.61	2.30	2.31	2.31	2.35	2.10	
15	2.37	2.37	2.72	6.45	5.25	2.70	3.24	2.20	2.35	2.35	2.31	2.13	
16	2.48	2.26	2.73	5.86	5.13	2.64	2.94	2.24	2.40	2.45	2.33	2.32	
17	2.43	2.29	2.68	5.32	4.86	2.66	2.83	2.43	2.47	2.35	2.19	2.30	
18	2.40	2.37	2.65	4.83	4.62	2.55	2.93	2.45	2.64	2.18	2.25	2.33	
19	2.42	2.23	2.55	4.39	4.83	2.76	2.91	2.37	2.43	2.26	2.44	2.33	
20	2.41	2.18	2.41	3.97	4.85	3.14	2.96	2.54	2.49	2.30	2.48	2.39	
21	2.30	2.37	2.57	3.57	4.73	3.25	2.94	2.63	2.37	2.31	2.50	2.44	
22	2.16	2.52	2.36	3.29	4.65	3.36	2.86	2.60	2.36	2.29	2.52	2.46	
23	2.15	2.62	2.43	3.15	4.34	3.42	2.80	2.61	2.31	2.37	2.56	2.45	
24	2.11	2.66	2.46	3.05	3.93	3.61	2.82	2.75	2.26	2.41	2.52	2.49	
25	2.11	2.74	2.39	3.21	3.63	3.35	2.86	2.58	2.31	2.29	2.53	2.63	
26	2.35	2.79	2.41	3.43	3.57	6.68	2.82	2.42	2.32	2.24	2.48	2.48	
27	2.33	2.81	2.53	3.44	3.61	7.20	2.82	2.55	2.15	2.33	2.24	2.39	
28	2.42	2.74	2.82	3.20	3.51	7.41	2.86	2.50	2.09	2.38	2.28	2.31	
29	2.44	2.62	3.63	3.16	3.34	7.51	2.73	2.26	2.23	2.32	2.10	2.24	
30	2.47	2.56	4.27	3.22	3.19	7.59	2.46	2.57	2.23	2.05		2.27	
31		2.55		3.54	3.08		2.46		2.42	1.97		2.30	
MEAN	2.33	2.43	2.59	5.13	4.41	3.81	4.58	2.48	2.41	2.27	2.36	2.31	
MAX	2.48	2.81	4.27	7.10	5.64	7.59	7.85	2.75	2.68	2.45	2.57	2.63	7.85
MIN	2.11	2.18	2.17	3.05	3.08	2.55	2.46	2.20	2.09	1.97	2.04	2.10	1.97

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.86 M (A.D), AT 6.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.59 M (A.D)
LEFT BANK ELEVATION 8.82 M (A.D)
RIGHT BANK ELEVATION 8.26 M (A.D), DRAINAGE AREA 7978 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	32.26	33.54	32.26	159.11	97.73	55.04	514.95	31.62	40.50	28.74	20.84	27.80	
2	32.26	32.26	30.34	225.90	107.04	53.31	531.75	33.22	34.50	28.42	24.83	23.48	
3	31.30	31.62	29.38	287.72	114.80	53.31	535.25	35.94	41.30	28.42	27.80	25.40	
4	31.94	29.70	27.50	321.00	134.80	51.59	530.00	36.30	38.50	27.20	25.70	24.56	
5	31.62	29.38	25.70	363.05	170.66	55.48	523.20	37.38	38.90	28.10	27.80	26.90	
6	30.02	29.38	24.29	372.50	166.81	55.48	513.30	37.02	40.10	28.10	28.10	28.10	
7	25.70	26.90	28.42	372.50	181.60	55.48	496.80	34.18	36.66	27.50	30.66	28.42	
8	25.40	29.06	29.70	376.55	163.73	55.92	466.30	36.66	33.86	23.75	33.54	26.30	
9	25.10	26.90	31.62	394.40	134.80	59.46	400.00	35.22	39.70	26.60	32.26	26.60	
10	27.50	30.02	33.66	404.35	122.06	66.36	313.60	35.22	30.98	22.40	32.26	26.00	
11	27.20	28.10	37.38	408.70	157.57	67.28	242.05	32.26	27.80	27.20	37.02	27.20	
12	29.06	27.50	39.70	414.50	216.40	56.80	176.88	30.66	26.00	21.10	33.86	30.34	
13	28.42	28.42	41.30	408.70	237.30	51.16	124.04	28.10	26.00	26.60	30.66	27.50	
14	27.50	28.10	42.92	380.60	219.25	46.61	84.78	28.10	28.42	29.42	29.70	22.40	
15	30.34	30.34	42.92	327.25	200.75	42.10	65.44	25.10	29.70	29.70	28.42	23.21	
16	33.86	26.90	43.33	259.80	190.55	39.70	52.02	26.30	31.30	32.90	29.06	28.74	
17	32.26	27.80	41.30	206.90	169.12	40.50	47.43	32.26	33.54	29.70	24.83	28.10	
18	31.30	30.34	40.10	166.81	150.72	36.30	51.59	32.90	39.70	24.56	26.60	29.06	
19	31.94	26.00	36.30	134.12	166.81	44.56	50.73	30.34	32.26	26.90	32.58	29.06	
20	31.62	24.56	31.62	106.41	168.35	60.84	52.88	35.94	34.18	28.10	33.86	30.98	
21	28.10	30.34	37.02	82.64	159.11	65.90	52.02	39.30	30.34	28.42	34.50	32.58	
22	24.02	35.22	30.02	67.74	153.00	71.68	48.66	38.10	30.02	27.80	35.22	33.22	
23	23.75	38.90	32.26	61.30	130.72	75.00	46.20	38.50	28.42	30.34	36.66	32.90	
24	22.67	40.50	33.22	56.80	103.89	84.78	47.02	44.15	26.90	31.62	35.22	34.18	
25	22.67	43.74	30.98	64.06	85.94	209.75	48.66	37.38	28.42	27.80	35.58	39.30	
26	29.70	45.79	31.62	75.50	82.64	356.40	47.02	31.94	28.74	26.30	33.86	33.86	
27	29.06	46.61	35.58	76.00	84.78	430.00	47.02	36.30	23.75	29.06	26.30	30.98	
28	31.94	43.74	47.02	63.60	79.52	463.10	48.66	34.50	22.14	30.66	27.50	28.42	
29	32.58	38.90	85.94	61.76	70.52	479.10	43.33	26.90	26.00	28.74	22.40	26.30	
30	33.54	36.66	126.02	64.52	63.14	491.90	33.22	37.02	26.00	21.10		27.20	
31		36.30		81.08	58.12		33.22		31.94	19.05		28.10	
TOTAL	874.63	1013.52	1179.62	6845.86	4342.22	3774.69	6268.21	1018.81	986.57	845.30	877.62	887.19	28914.42 CMSDAY
MEAN	29.15	32.69	39.32	220.83	140.07	125.83	202.20	33.96	31.82	27.27	30.26	28.62	79.00 CMS
MAX	33.86	46.61	126.02	414.50	237.30	491.90	535.25	44.15	41.30	32.90	37.02	39.30	535.25 CMS
MIN	22.67	24.56	24.29	56.80	58.12	36.30	33.22	25.10	22.14	19.05	20.84	22.40	19.05 CMS
RUNOFF	75.568	87.568	101.919	591.482	375.168	326.150	541.573	88.025	85.240	73.034	75.826	76.653	2498.206 MCM

MOMENTARY PEAK 537.00 CMS, AT 7.86 M (A.D), AT 6.00 HOURS, ON OCT 3, 1979
RUNOFF YIELD 9.90 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 67.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

KHLONG PHRA SATHUNG AT BAN KHAO CHAKAN, PRACHIN BURI (KGT.9)

LOCATION — LAT. 13°-40'-10" N., LONG. 102°-04'-35 E., ON RIGHT BANK INFRONT OF WAT KHAO CHAKAN, BAN KHAO CHAKAN, AMPHOE SAKAEO, PRACHIN BURI.

DRAINAGE AREA — 2,279 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE LADDER OF AUTOMATIC GAGE BUILDING.

ELEVATION — +9.020 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967-1970, 1972 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1969-1970

RATED BY FLOAT — -

RATED BY CURRENT METER — 1969-1970

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 271 DISCHARGE MEASUREMENTS MADE DURING 1969-1970.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

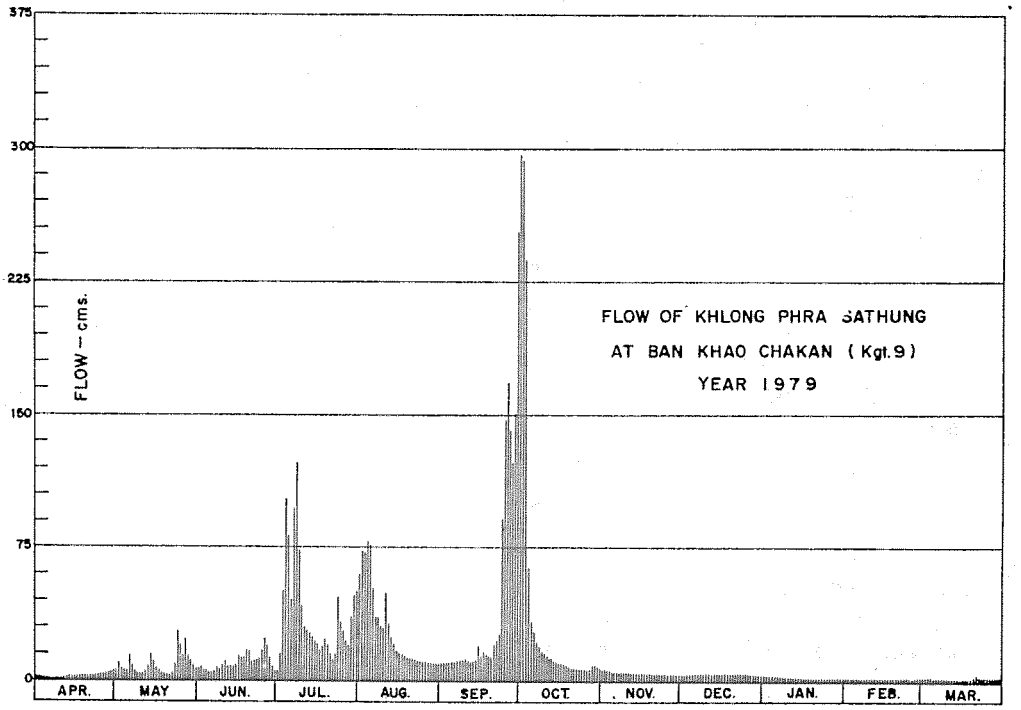
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.75	0.72	0.69	3.24	1.02	9.24	0.73	0.50	0.39	0.27	0.30	
2	0.27	0.96	0.73	1.09	3.73	1.02	9.21	0.70	0.50	0.39	0.27	0.28	
3	0.27	0.72	0.69	2.33	3.67	1.03	7.92	0.68	0.50	0.39	0.26	0.26	
4	0.26	0.68	0.64	4.65	3.94	1.03	3.57	0.67	0.49	0.40	0.26	0.25	
5	0.23	0.65	0.61	3.97	3.87	1.04	2.28	0.66	0.48	0.40	0.26	0.24	
6	0.23	1.22	0.61	2.68	2.84	1.05	1.95	0.66	0.48	0.39	0.26	0.26	
7	0.22	0.83	0.63	4.21	2.28	1.06	1.71	0.64	0.47	0.39	0.26	0.26	
8	0.22	0.64	0.76	5.44	2.30	1.07	1.51	0.62	0.47	0.38	0.26	0.24	
9	0.22	0.56	0.71	4.22	2.06	1.08	1.39	0.62	0.50	0.37	0.27	0.23	
10	0.22	0.55	0.89	2.63	2.03	1.09	1.31	0.61	0.49	0.36	0.27	0.22	
11	0.23	0.56	1.02	2.05	2.84	1.05	1.22	0.60	0.48	0.35	0.27	0.21	
12	0.24	0.67	0.82	1.93	2.22	1.02	1.16	0.60	0.48	0.34	0.26	0.19	
13	0.27	1.11	0.88	1.88	1.79	1.07	1.10	0.60	0.47	0.34	0.26	0.20	
14	0.26	1.24	0.86	1.74	1.60	1.08	1.05	0.60	0.46	0.33	0.25	0.20	
15	0.26	0.96	0.88	1.65	1.42	1.50	1.01	0.59	0.45	0.33	0.26	0.19	
16	0.27	0.72	1.17	1.57	1.33	1.18	0.97	0.59	0.45	0.32	0.25	0.19	
17	0.29	0.64	1.16	1.42	1.27	1.38	0.93	0.59	0.44	0.32	0.25	0.19	
18	0.38	0.55	1.14	1.61	1.20	1.22	0.90	0.58	0.43	0.33	0.24	0.20	
19	0.36	0.50	1.39	1.70	1.17	1.16	0.88	0.57	0.43	0.32	0.24	0.20	
20	0.37	0.48	1.41	1.54	1.15	1.15	0.86	0.56	0.43	0.30	0.24	0.22	
21	0.38	0.46	1.03	1.28	1.12	1.53	0.83	0.56	0.43	0.30	0.23	0.41	
22	0.37	0.51	0.95	1.13	1.08	1.72	0.81	0.55	0.43	0.30	0.23	0.39	
23	0.40	1.08	1.06	1.28	1.06	1.81	0.79	0.55	0.43	0.30	0.23	0.32	
24	0.41	1.95	1.12	2.71	1.05	3.39	0.77	0.54	0.42	0.30	0.24	0.35	
25	0.41	1.64	1.37	2.17	1.04	5.89	0.77	0.53	0.42	0.30	0.26	0.34	
26	0.43	1.23	1.71	1.85	1.04	6.56	0.76	0.52	0.42	0.30	0.27	0.34	
27	0.47	1.68	1.55	1.61	1.03	5.79	0.76	0.51	0.41	0.29	0.27	0.32	
28	0.49	1.18	1.11	1.53	1.03	5.34	0.86	0.51	0.41	0.29	0.27	0.28	
29	0.62	1.00	0.81	2.24	1.03	5.71	0.89	0.51	0.40	0.28	0.30	0.26	
30	0.77	0.83	0.66	2.78	1.02	8.20	0.77	0.51	0.40	0.27		0.26	
31		0.75		2.90	1.02		0.74		0.40	0.27		0.26	
MEAN	0.34	0.88	0.97	2.27	1.85	2.27	1.90	0.59	0.45	0.33	0.26	0.26	
MAX	0.77	1.95	1.71	5.44	3.94	8.20	9.24	0.73	0.50	0.40	0.30	0.41	9.24
MIN	0.22	0.46	0.61	0.69	1.02	1.02	0.74	0.51	0.40	0.27	0.23	0.19	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 9.33 M (A.D), AT 18.00 HOURS, ON OCT 1, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -1.00 M (A.D)

LEFT BANK ELEVATION 10.38 M (A.D)

RIGHT BANK ELEVATION 9.57 M (A.D), DRAINAGE AREA 2279 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.00	7.10	6.68	6.28	59.14	10.92	295.16	6.82	4.00	2.90	1.76	2.00	
2	1.76	10.04	6.82	12.04	72.44	10.92	293.54	6.40	4.00	2.90	1.76	1.84	
3	1.76	6.68	6.28	36.72	70.76	11.08	227.16	6.16	4.00	2.90	1.68	1.68	
4	1.68	6.16	5.68	100.40	78.32	11.08	67.96	6.04	3.90	3.00	1.68	1.60	
5	1.44	5.80	5.32	79.16	76.36	11.24	35.52	5.92	3.80	3.00	1.68	1.52	
6	1.44	14.12	5.32	45.12	49.00	11.40	28.10	5.92	3.80	2.90	1.68	1.68	
7	1.36	8.22	5.56	86.32	35.52	11.56	23.28	5.68	3.70	2.90	1.68	1.68	
8	1.36	5.68	7.24	126.60	36.00	11.72	19.36	5.44	3.70	2.80	1.68	1.52	
9	1.36	4.72	6.54	86.64	30.52	11.88	17.02	5.44	4.00	2.70	1.76	1.44	
10	1.36	4.60	9.06	43.92	29.86	12.04	15.58	5.32	3.90	2.60	1.76	1.36	
11	1.44	4.72	10.92	30.30	49.00	11.40	14.12	5.20	3.80	2.50	1.76	1.28	
12	1.52	6.04	8.08	27.66	34.08	10.92	13.16	5.20	3.80	2.40	1.68	1.14	
13	1.76	12.36	8.92	26.61	24.84	11.72	12.20	5.20	3.70	2.40	1.68	1.20	
14	1.68	14.44	8.64	23.86	21.12	11.88	11.40	5.20	3.60	2.30	1.60	1.20	
15	1.68	10.04	8.92	22.10	17.59	19.16	10.76	5.08	3.50	2.30	1.68	1.14	
16	1.76	6.68	13.32	20.53	15.94	13.48	10.18	5.08	3.50	2.20	1.60	1.14	
17	1.92	5.68	13.16	17.59	14.92	16.84	9.62	5.08	3.40	2.20	1.60	1.14	
18	2.80	4.60	12.84	21.32	13.80	14.12	9.20	4.96	3.30	2.30	1.52	1.20	
19	2.80	4.00	17.02	23.08	13.32	13.16	8.92	4.84	3.30	2.20	1.52	1.20	
20	2.70	3.80	17.40	19.94	13.00	13.00	8.64	4.72	3.30	2.00	1.52	1.36	
21	2.80	3.60	11.08	15.08	12.52	19.75	8.22	4.72	3.30	2.00	1.44	3.10	
22	2.70	4.12	9.90	12.68	11.88	23.47	7.94	4.60	3.30	2.00	1.44	2.90	
23	3.00	11.88	11.56	15.08	11.56	25.24	7.66	4.60	3.30	2.00	1.44	2.20	
24	3.10	28.10	12.52	45.84	11.40	63.04	7.38	4.48	3.20	2.00	1.52	2.50	
25	3.10	21.90	16.66	32.94	11.24	142.83	7.38	4.36	3.20	2.00	1.68	2.40	
26	3.30	14.28	23.28	26.02	11.24	168.54	7.24	4.24	3.20	2.00	1.76	2.40	
27	3.70	22.69	20.14	21.32	11.08	139.17	7.24	4.12	3.10	1.92	1.76	2.20	
28	3.90	13.48	12.36	19.75	11.08	123.16	8.64	4.12	3.10	1.92	1.76	1.84	
29	5.44	10.60	7.94	34.56	11.08	136.23	9.06	4.12	3.00	1.84	2.00	1.68	
30	7.38	8.22	5.92	47.52	10.92	240.60	7.38	4.12	3.00	1.76		1.68	
31		7.10		50.50	10.92		6.96		3.00	1.76		1.68	
TOTAL	74.00	291.45	315.08	1177.48	880.45	1331.55	1215.98	153.18	108.70	72.60	48.08	52.90	5721.44 CMSDAY
MEAN	2.47	9.40	10.50	37.98	28.40	44.38	39.23	5.11	3.51	2.34	1.66	1.71	15.63 CMS
MAX	7.38	28.10	23.28	126.60	78.32	240.60	295.16	6.82	4.00	3.00	2.00	3.10	295.16 CMS
MIN	1.36	3.60	5.32	6.28	10.92	10.92	6.96	4.12	3.00	1.76	1.44	1.14	1.14 CMS
RUNOFF	6.394	29.181	27.223	101.734	76.071	115.046	105.060	13.235	9.392	6.273	4.154	4.571	494.332 MCM

MOMENTARY PEAK 300.02 CMS, AT 9.33 M (A.D), AT 18.00 HOURS, ON OCT 1, 1979

RUNOFF YIELD 6.86 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 131.65 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

KHLONG PHRA SATHUNG AT BAN WANG KHIAN, PRACHIN BURI (KGT.10)

LOCATION — LAT. 13°48'29" N., LONG. 102°03'35" E., ON LEFT BANK NEAR SAHA CHAROEN SAWMILL, BAN WANG KHIAN, AMPHOE SA KAEO, PRACHIN BURI.

DRAINAGE AREA — 2,523 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +23.741 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — UNDER THE COCONUT TREE NEAR THE STATION OFFICE.

ELEVATION — +34.652 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1966 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1966 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

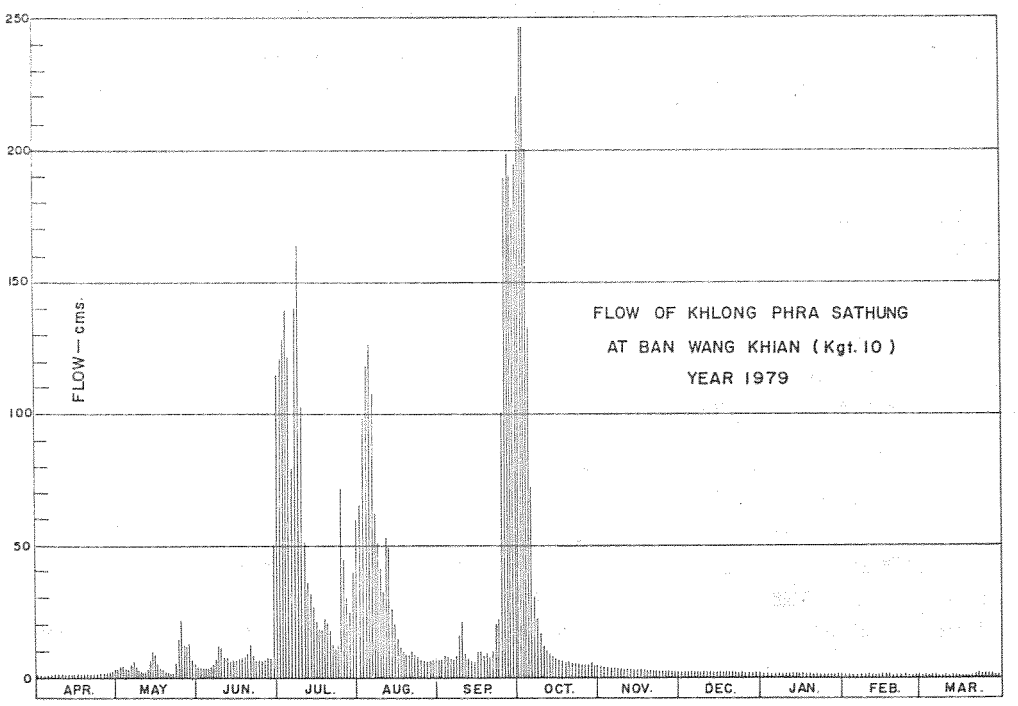
OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +34.61 M. (M.S.L.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 23 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	24.84	25.32	25.31	31.18	29.38	25.76	34.54	25.42	25.05	24.94	24.85	24.83	
2	24.86	25.48	25.29	31.46	30.42	25.91	35.06	25.38	25.03	24.92	24.84	24.82	
3	24.85	25.47	25.29	31.68	30.84	26.05	35.05	25.33	25.03	24.92	24.83	24.81	
4	24.84	25.25	25.24	32.00	31.26	25.97	34.63	25.30	25.02	24.92	24.83	24.81	
5	24.83	25.20	25.28	31.36	31.56	25.94	31.88	25.27	25.02	24.92	24.83	24.80	
6	24.82	25.48	25.52	29.95	30.83	25.79	28.60	25.24	25.01	24.91	24.83	24.80	
7	24.81	25.79	25.80	30.71	29.23	25.99	27.48	25.25	25.01	24.91	24.84	24.80	
8	24.81	25.34	26.36	32.33	28.53	26.64	26.96	25.25	25.02	24.90	24.83	24.80	
9	24.78	25.17	26.31	32.76	28.15	27.09	26.62	25.24	25.04	24.88	24.83	24.79	
10	24.77	25.11	25.86	31.16	27.72	26.18	26.40	25.23	25.06	24.88	24.84	24.78	
11	24.77	25.13	25.99	28.85	28.79	25.81	26.27	25.22	25.05	24.88	24.84	24.78	
12	24.77	25.16	25.92	27.98	28.52	25.78	26.14	25.22	25.03	24.88	24.84	24.77	
13	24.78	25.64	25.70	27.78	27.58	25.72	26.02	25.21	25.03	24.88	24.84	24.77	
14	24.78	26.27	25.86	27.51	27.14	25.81	25.93	25.20	25.03	24.87	24.84	24.76	
15	24.78	25.92	25.73	27.18	26.82	26.25	25.87	25.19	25.02	24.87	24.84	24.76	
16	24.78	25.48	25.89	26.95	26.48	26.16	25.79	25.18	25.02	24.87	24.83	24.76	
17	24.79	25.27	25.97	26.80	26.34	25.97	25.76	25.18	25.02	24.87	24.82	24.76	
18	24.79	25.16	25.99	26.91	26.17	26.23	25.71	25.16	25.00	24.87	24.79	24.76	
19	24.86	25.08	26.11	27.13	26.10	25.91	25.66	25.14	24.99	24.87	24.77	24.75	
20	24.89	25.05	26.49	26.97	26.12	25.97	25.60	25.13	24.98	24.87	24.76	24.74	
21	24.88	25.01	26.06	26.61	26.20	26.42	25.57	25.12	24.98	24.87	24.76	24.78	
22	24.88	25.00	25.72	26.23	26.07	27.10	25.54	25.10	24.98	24.87	24.78	24.93	
23	24.89	25.58	25.80	26.30	25.91	27.12	25.51	25.10	24.98	24.87	24.78	24.91	
24	24.91	26.46	25.79	29.20	25.83	29.21	25.47	25.10	24.97	24.86	24.78	24.89	
25	24.95	27.13	25.80	29.64	25.78	31.97	25.46	25.10	24.96	24.86	24.81	24.88	
26	24.95	26.43	25.77	28.60	25.73	33.35	25.44	25.09	24.96	24.86	24.83	24.87	
27	25.00	26.44	25.90	27.55	25.71	33.76	25.44	25.08	24.95	24.86	24.82	24.88	
28	25.03	26.40	25.74	27.21	25.70	33.56	25.44	25.07	24.95	24.86	24.82	24.85	
29	25.07	25.86	27.78	27.62	25.72	33.17	25.58	25.06	24.94	24.86	24.82	24.83	
30	25.30	25.57	29.99	28.71	25.94	33.66	25.47	25.04	24.94	24.86		24.81	
31		25.38		29.17	25.77		25.41		24.94	24.86		24.80	
MEAN	24.87	25.58	26.01	28.89	27.49	27.67	27.30	25.19	25.00	24.88	24.82	24.81	
MAX	25.30	27.13	29.99	32.76	31.56	33.76	35.06	25.42	25.06	24.94	24.85	24.93	35.06
MIN	24.77	25.00	25.24	26.23	25.70	25.72	25.41	25.04	24.94	24.86	24.76	24.74	24.74

ANNUAL MAX MOMENTARY GAGE HEIGHT 35.10 M (MSL), AT 24.00 HOURS, ON OCT 2, 1979
ZERO GAGE AT BOTTOM ELEVATION 23.74 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION M (MSL)
RIGHT BANK ELEVATION M (MSL), DRAINAGE AREA 2523 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	3.72	3.66	114.40	65.34	6.36	226.68	4.32	2.10	1.44	0.90	0.78	
2	0.96	4.68	3.54	122.80	92.36	7.27	245.98	4.08	1.98	1.32	0.84	0.72	
3	0.90	4.62	3.54	129.58	104.36	8.35	245.60	3.78	1.98	1.32	0.78	0.66	
4	0.84	3.30	3.24	139.50	116.80	7.69	230.01	3.60	1.92	1.32	0.78	0.66	
5	0.78	3.00	3.48	119.80	125.86	7.48	135.78	3.42	1.92	1.32	0.78	0.60	
6	0.72	4.68	4.92	79.50	104.07	6.54	49.10	3.24	1.86	1.26	0.78	0.60	
7	0.66	6.54	6.60	100.59	61.89	7.83	28.06	3.30	1.86	1.26	0.84	0.60	
8	0.66	3.84	11.62	149.96	47.70	15.06	19.70	3.30	1.92	1.20	0.78	0.60	
9	0.48	2.82	11.02	164.08	40.10	21.65	14.78	3.24	2.04	1.08	0.78	0.54	
10	0.42	2.46	6.96	113.80	32.16	9.60	12.10	3.18	2.16	1.08	0.84	0.48	
11	0.42	2.58	7.83	54.10	52.90	6.66	10.57	3.12	2.10	1.08	0.84	0.48	
12	0.42	2.76	7.34	36.84	47.50	6.48	9.20	3.12	1.98	1.08	0.84	0.42	
13	0.48	5.64	6.00	33.24	29.76	6.12	8.06	3.06	1.98	1.08	0.84	0.42	
14	0.48	10.57	6.96	28.57	22.44	6.66	7.41	3.00	1.98	1.02	0.84	0.36	
15	0.48	7.34	6.18	23.08	17.60	10.35	7.02	2.94	1.92	1.02	0.84	0.36	
16	0.48	4.68	7.14	19.55	13.06	9.40	6.54	2.88	1.92	1.02	0.78	0.36	
17	0.54	3.42	7.69	17.30	11.38	7.69	6.36	2.88	1.92	1.02	0.72	0.36	
18	0.54	2.76	7.83	18.95	9.50	10.13	6.06	2.76	1.80	1.02	0.54	0.36	
19	0.96	2.28	8.90	22.28	8.80	7.27	5.76	2.64	1.74	1.02	0.42	0.30	
20	1.14	2.10	13.18	19.85	9.00	7.69	5.40	2.58	1.68	1.02	0.36	0.24	
21	1.08	1.86	8.44	14.64	9.80	12.34	5.22	2.52	1.68	1.02	0.36	0.48	
22	1.08	1.80	6.12	10.13	8.53	21.80	5.04	2.40	1.68	1.02	0.48	1.38	
23	1.14	5.28	6.60	10.90	7.27	22.12	4.86	2.40	1.68	1.02	0.48	1.26	
24	1.26	12.82	6.54	61.20	6.78	61.43	4.62	2.40	1.62	0.96	0.48	1.14	
25	1.50	22.28	6.60	71.70	6.48	138.57	4.56	2.40	1.56	0.96	0.66	1.08	
26	1.50	12.46	6.42	49.10	6.18	183.90	4.44	2.34	1.56	0.96	0.78	1.02	
27	1.80	12.58	7.20	29.25	6.06	198.36	4.44	2.28	1.50	0.96	0.72	1.08	
28	1.98	12.10	6.24	23.56	6.00	191.20	4.44	2.22	1.50	0.96	0.72	0.90	
29	2.22	6.96	33.24	30.44	6.12	177.78	5.28	2.16	1.44	0.96	0.72	0.78	
30	3.60	5.22	80.54	51.30	7.48	194.76	4.62	2.04	1.44	0.96		0.66	
31		4.08		60.57	6.42		4.26		1.44	0.96		0.60	
TOTAL	30.36	181.23	305.57	1920.56	1089.70	1378.54	1331.97	87.60	55.86	33.72	20.52	20.28	6455.90 CMSDAY
MEAN	1.01	5.85	10.19	61.95	35.15	45.95	42.97	2.92	1.80	1.09	0.71	0.65	17.64 CMS
MAX	3.60	22.28	80.54	164.08	125.86	198.36	245.98	4.32	2.16	1.44	0.90	1.38	245.98 CMS
MIN	0.42	1.80	3.24	10.13	6.00	6.12	4.26	2.04	1.44	0.96	0.36	0.24	0.24 CMS
RUNOFF	2.623	15.658	26.401	165.936	94.150	119.106	115.082	7.569	4.826	2.913	1.773	1.752	557.789 MCM

MOMENTARY PEAK 247.50 CMS, AT 35.10 M (MSL), AT 24.00 HOURS, ON OCT 2, 1979

RUNOFF YIELD 6.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 98.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

KHLONG PHRA PRONG AT BAN KAENG, PRACHIN BURI (KGT.12)

LOCATION — LAT. 13°56'02" N., LONG. 101°58'41" E., ON LEFT BANK NEAR RAILWAY STATION AT BAN KAENG AND ABOUT 200 METERS UPSTREAM FROM THOT SAPHON SAWMILL, AMPHOE SA KAEO, PRACHIN BURI.

DRAINAGE AREA — 1,540 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +9.687 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1966 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1966 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1966 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

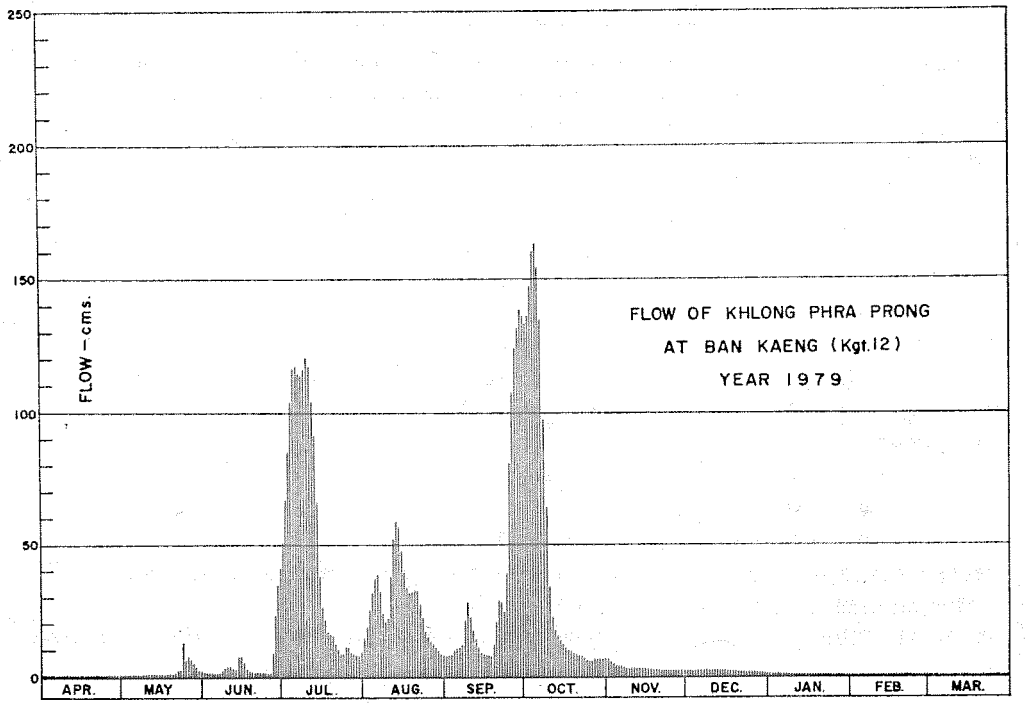
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	0.18	0.61	4.07	2.04	1.41	7.19	1.30	0.78	0.51	0.36	0.38	
2	0.23	0.18	0.58	4.83	2.28	1.42	7.31	1.18	0.78	0.50	0.36	0.31	
3	0.23	0.18	0.52	5.63	2.81	1.45	7.66	1.12	0.77	0.50	0.36	0.29	
4	0.23	0.19	0.50	6.33	3.07	1.59	7.93	1.08	0.75	0.49	0.35	0.28	
5	0.22	0.19	0.49	6.65	3.44	1.73	8.01	1.06	0.74	0.48	0.35	0.29	
6	0.20	0.18	0.47	6.68	3.54	1.78	7.71	1.05	0.74	0.47	0.34	0.29	
7	0.18	0.22	0.47	6.57	3.19	1.79	6.92	1.00	0.77	0.47	0.34	0.29	
8	0.18	0.28	0.65	6.52	2.65	2.40	5.91	0.98	0.83	0.45	0.35	0.29	
9	0.19	0.30	0.92	6.71	2.46	2.94	4.58	0.97	0.82	0.45	0.36	0.28	
10	0.19	0.33	1.04	6.79	2.58	2.71	3.28	0.98	0.85	0.45	0.40	0.28	
11	0.19	0.36	1.00	6.68	3.36	2.30	2.66	0.95	0.91	0.43	0.37	0.27	
12	0.22	0.36	0.91	6.33	4.14	2.01	2.28	0.94	0.84	0.43	0.34	0.27	
13	0.22	0.35	0.82	5.79	4.47	1.80	2.09	0.95	0.81	0.43	0.37	0.27	
14	0.26	0.30	1.36	4.86	4.40	1.55	1.97	0.95	0.81	0.43	0.37	0.27	
15	0.20	0.28	1.44	3.73	4.05	1.51	1.84	0.93	0.79	0.43	0.37	0.26	
16	0.19	0.22	1.14	2.87	3.62	1.81	1.75	0.92	0.74	0.41	0.36	0.26	
17	0.18	0.18	0.88	2.42	3.27	1.46	1.66	0.91	0.72	0.41	0.35	0.25	
18	0.17	0.17	0.76	2.18	3.15	1.41	1.59	0.89	0.68	0.40	0.35	0.27	
19	0.18	0.18	0.65	2.13	3.14	1.79	1.55	0.87	0.65	0.40	0.34	0.26	
20	0.20	0.29	0.60	2.07	3.21	2.56	1.49	0.86	0.62	0.40	0.34	0.25	
21	0.19	0.64	0.55	1.84	3.21	2.96	1.44	0.84	0.63	0.40	0.33	0.25	
22	0.19	0.74	0.55	1.66	3.04	2.95	1.40	0.83	0.64	0.40	0.33	0.25	
23	0.19	0.77	0.55	1.51	2.76	2.73	1.35	0.81	0.63	0.39	0.33	0.25	
24	0.20	1.93	0.54	1.50	2.33	3.21	1.30	0.79	0.60	0.39	0.33	0.24	
25	0.26	1.23	0.53	1.80	2.09	4.97	1.26	0.78	0.59	0.38	0.32	0.23	
26	0.24	1.40	0.52	1.76	1.94	6.32	1.25	0.77	0.56	0.37	0.31	0.23	
27	0.22	1.33	0.72	1.55	1.84	6.91	1.32	0.77	0.55	0.38	0.30	0.23	
28	0.20	1.16	2.23	1.49	1.72	7.19	1.33	0.78	0.55	0.36	0.31	0.23	
29	0.21	0.96	3.26	1.45	1.64	7.33	1.30	0.78	0.54	0.37	0.35	0.23	
30	0.20	0.81	3.62	1.42	1.55	7.26	1.29	0.78	0.53	0.37		0.23	
31		0.71		1.57	1.47		1.35		0.51	0.36		0.23	
MEAN	0.21	0.54	0.96	3.79	2.85	2.96	3.22	0.93	0.70	0.42	0.35	0.26	
MAX	0.26	1.93	3.62	6.79	4.47	7.33	8.01	1.30	0.91	0.51	0.40	0.38	8.01
MIN	0.17	0.17	0.47	1.42	1.47	1.41	1.25	0.77	0.51	0.36	0.30	0.23	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT — 8.04 M (A.D.), AT 6.00 HOURS, ON OCT 5, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED —0.05 M (A.D.)

LEFT BANK ELEVATION — 9.50 M (A.D.)

RIGHT BANK ELEVATION — 8.68 M (A.D.), DRAINAGE AREA 1540 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.26	0.16	1.54	49.32	14.62	7.60	133.65	6.50	2.30	1.14	0.68	0.74	
2	0.29	0.16	1.42	66.93	17.82	7.70	137.85	5.30	2.30	1.10	0.68	0.53	
3	0.29	0.16	1.18	86.84	25.67	8.00	150.10	4.70	2.25	1.10	0.68	0.47	
4	0.29	0.18	1.10	107.07	30.09	9.40	160.20	4.30	2.15	1.07	0.65	0.44	
5	0.26	0.18	1.07	116.50	36.76	10.80	163.40	4.10	2.10	1.04	0.65	0.47	
6	0.20	0.16	1.01	117.40	38.66	11.30	151.85	4.00	2.10	1.01	0.62	0.47	
7	0.16	0.26	1.01	114.10	32.22	11.40	124.60	3.50	2.25	1.01	0.62	0.47	
8	0.16	0.44	1.70	112.60	23.05	19.50	94.89	3.38	2.55	0.95	0.65	0.47	
9	0.18	0.50	3.02	118.30	20.34	27.88	61.14	3.32	2.50	0.95	0.68	0.44	
10	0.18	0.59	3.90	120.70	22.02	23.97	33.84	3.38	2.65	0.95	0.80	0.44	
11	0.18	0.68	3.50	117.40	35.28	18.10	23.20	3.20	2.96	0.89	0.71	0.41	
12	0.26	0.68	2.96	107.07	50.94	14.23	17.82	3.14	2.60	0.89	0.62	0.41	
13	0.26	0.65	2.50	91.41	58.59	11.50	15.27	3.20	2.45	0.89	0.71	0.41	
14	0.38	0.50	7.30	67.62	56.97	9.00	13.71	3.20	2.45	0.89	0.71	0.41	
15	0.20	0.44	7.90	42.27	48.86	8.60	12.02	3.08	2.35	0.89	0.71	0.38	
16	0.18	0.26	4.90	26.69	40.18	8.60	11.00	3.02	2.10	0.83	0.68	0.38	
17	0.16	0.16	2.80	19.78	33.66	8.10	10.10	2.96	2.00	0.83	0.65	0.35	
18	0.14	0.14	2.20	16.44	31.50	7.60	9.40	2.85	1.82	0.80	0.65	0.41	
19	0.16	0.16	1.70	15.79	31.32	11.40	9.00	2.75	1.70	0.80	0.62	0.38	
20	0.20	0.47	1.50	15.01	32.58	21.74	8.40	2.70	1.58	0.80	0.62	0.35	
21	0.18	1.66	1.30	12.02	32.58	28.22	7.90	2.60	1.62	0.80	0.59	0.35	
22	0.18	2.10	1.30	10.10	29.58	28.05	7.50	2.55	1.66	0.80	0.59	0.35	
23	0.18	2.25	1.30	8.60	24.82	24.31	7.00	2.45	1.62	0.77	0.59	0.35	
24	0.20	13.19	1.26	8.50	18.52	32.58	6.50	2.35	1.50	0.77	0.59	0.32	
25	0.38	5.80	1.22	11.50	15.27	70.17	6.10	2.30	1.46	0.74	0.56	0.29	
26	0.32	7.50	1.18	11.10	13.32	106.78	6.00	2.25	1.34	0.71	0.53	0.29	
27	0.26	6.80	2.00	9.00	12.02	124.30	6.70	2.25	1.30	0.74	0.50	0.29	
28	0.20	5.10	17.12	8.40	10.70	133.65	6.80	2.30	1.30	0.68	0.53	0.29	
29	0.23	3.26	33.48	8.00	9.90	138.55	6.50	2.30	1.26	0.71	0.65	0.29	
30	0.20	2.45	40.18	7.70	9.00	136.10	6.40	2.30	1.22	0.71		0.29	
31		1.95		9.20	8.20		7.00		1.14	0.68		0.29	
TOTAL	6.72	58.99	154.55	1633.36	865.04	1079.13	1415.84	96.23	60.58	26.94	18.52	12.23	5428.12 CMSDAY
MEAN	0.22	1.90	5.15	52.69	27.90	35.97	45.67	3.21	1.95	0.87	0.64	0.39	14.83 CMS
MAX	0.38	13.19	40.18	120.70	58.59	138.55	163.40	6.50	2.96	1.14	0.80	0.74	163.40 CMS
MIN	0.14	0.14	1.01	7.70	8.20	7.60	6.00	2.25	1.14	0.68	0.50	0.29	0.14 CMS
RUNOFF	0.581	5.097	13.353	141.122	74.739	93.237	122.328	8.314	5.234	2.328	1.600	1.057	468.989 MCM

MOMENTARY PEAK 164.60 CMS, AT 8.04 M (A.D), AT 6.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 9.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 106.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

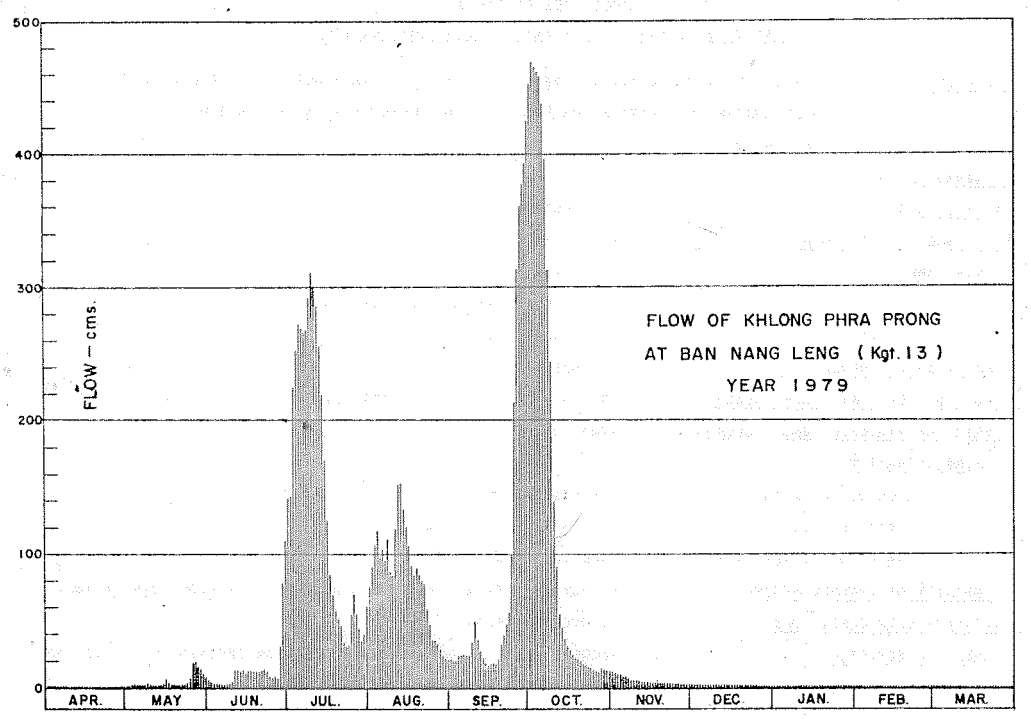
KHLONG PHRA PRONG AT BAN NANG LENG, PRACHIN BURI (KGT.13)

LOCATION	LAT. 13°58'04" N., LONG. 101°44'20" E., ON LEFT BANK ABOUT 40 METERS UPSTREAM FROM THE HIGHWAY BRIDGE AT BAN NANG LENG, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	5,347 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.165 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+10.712 M. (M.S.L.)
GAGE READING FREQUENCY	7-TIME DAILY READINGS AT 01.00, 06.00, 09.00, 12.00, 15.00, 18.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 7 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1968, 1971-1976
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1968, 1971-1976
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 136 DISCHARGE MEASUREMENTS MADE DURING 1971-1976.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.21	1.38	2.02	6.45	4.82	3.04	10.23	2.50	1.77	1.52	1.25	1.24	
2	1.20	1.49	1.91	6.52	5.13	2.92	10.33	2.44	1.77	1.51	1.24	1.22	
3	1.20	1.68	1.80	8.06	5.57	2.96	10.32	2.37	1.76	1.48	1.24	1.25	
4	1.20	1.73	1.76	8.42	5.95	3.10	10.30	2.31	1.76	1.45	1.24	1.23	
5	1.20	1.73	1.76	8.82	5.47	3.17	10.28	2.24	1.76	1.44	1.24	1.22	
6	1.20	1.64	1.72	8.78	5.57	3.21	10.18	2.30	1.74	1.42	1.23	1.21	
7	1.20	1.63	1.68	8.75	5.41	3.15	9.91	2.16	1.76	1.41	1.23	1.20	
8	1.19	1.74	1.69	8.79	5.78	3.14	9.08	2.11	1.76	1.40	1.23	1.19	
9	1.18	1.88	1.72	9.15	5.16	3.58	7.76	2.09	1.86	1.40	1.22	1.19	
10	1.19	1.71	2.00	9.30	5.09	4.07	6.38	2.08	1.85	1.37	1.22	1.18	
11	1.22	1.59	2.52	9.21	5.82	3.76	5.26	2.06	1.85	1.37	1.22	1.17	
12	1.26	1.52	2.56	8.92	6.71	3.31	4.45	2.01	1.84	1.36	1.23	1.17	
13	1.21	1.49	2.52	8.44	6.74	3.04	3.97	2.00	1.82	1.36	1.24	1.16	
14	1.20	1.52	2.53	7.72	6.32	2.89	3.67	1.99	1.82	1.35	1.24	1.15	
15	1.22	1.78	2.41	6.84	6.01	2.78	3.46	1.96	1.81	1.34	1.24	1.14	
16	1.22	2.11	2.52	5.91	5.71	2.81	3.35	1.95	1.80	1.34	1.23	1.17	
17	1.22	1.99	2.56	5.23	5.28	2.89	3.23	1.95	1.80	1.33	1.22	1.17	
18	1.21	1.79	2.45	4.76	5.10	2.81	3.08	1.94	1.77	1.32	1.21	1.15	
19	1.20	1.66	2.45	4.43	5.28	2.90	2.99	1.91	1.76	1.31	1.20	1.14	
20	1.18	1.63	2.45	4.24	5.16	3.49	2.92	1.88	1.75	1.31	1.20	1.14	
21	1.18	1.63	2.54	4.00	4.99	3.75	2.82	1.86	1.71	1.30	1.20	1.13	
22	1.18	1.72	2.60	3.64	4.96	3.94	2.75	1.85	1.70	1.30	1.20	1.12	
23	1.17	1.80	2.46	3.42	4.48	4.13	2.67	1.84	1.70	1.30	1.19	1.12	
24	1.17	1.84	2.23	3.48	4.00	4.77	2.64	1.82	1.68	1.29	1.19	1.15	
25	1.18	2.23	2.18	4.08	3.63	7.37	2.57	1.81	1.65	1.28	1.19	1.19	
26	1.19	2.80	2.16	4.73	3.59	9.03	2.51	1.79	1.63	1.28	1.19	1.24	
27	1.32	2.92	2.17	4.45	3.53	9.64	2.52	1.77	1.61	1.28	1.18	1.24	
28	1.32	2.67	3.08	3.91	3.37	9.82	2.61	1.76	1.57	1.27	1.17	1.21	
29	1.33	2.60	4.72	3.63	3.14	9.92	2.55	1.76	1.56	1.26	1.17	1.21	
30	1.34	2.43	5.57	3.78	3.03	10.10	2.55	1.77	1.56	1.26		1.22	
31		2.22		4.40	2.97		2.53		1.54	1.25		1.16	
MEAN	1.22	1.89	2.42	6.20	4.96	4.52	5.16	2.01	1.73	1.35	1.22	1.18	
MAX	1.34	2.92	5.57	9.30	6.74	10.10	10.33	2.50	1.86	1.52	1.25	1.25	10.33
MIN	1.17	1.38	1.68	3.42	2.97	2.78	2.51	1.76	1.54	1.25	1.17	1.12	1.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.36 M (MSL), AT 18.00 HOURS, ON OCT 2, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.16 M (MSL), RIVER BED 0.00 M (MSL)
LEFT BANK ELEVATION 10.71 M (MSL)
RIGHT BANK ELEVATION 11.36 M (MSL), DRAINAGE AREA 5347 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.33	0.92	5.46	140.75	73.20	22.80	446.20	12.50	3.02	1.60	0.45	0.42	
2	0.30	1.45	4.30	143.90	85.20	20.40	470.20	11.60	3.02	1.55	0.42	0.36	
3	0.30	2.48	3.20	222.60	102.80	21.20	467.80	10.55	2.96	1.40	0.42	0.45	
4	0.30	2.78	2.96	244.40	118.25	24.00	463.00	9.65	2.96	1.25	0.42	0.39	
5	0.30	2.78	2.96	272.40	98.80	25.40	458.20	8.60	2.96	1.20	0.42	0.36	
6	0.30	2.24	2.72	269.60	102.80	26.20	435.00	9.50	2.84	1.10	0.39	0.33	
7	0.30	2.18	2.48	267.50	96.40	25.00	385.60	7.40	2.96	1.05	0.39	0.30	
8	0.27	2.84	2.54	270.30	111.20	24.80	291.40	6.65	2.96	1.00	0.39	0.27	
9	0.24	4.00	2.72	297.00	86.40	35.00	205.30	6.37	3.80	1.00	0.36	0.27	
10	0.27	2.66	5.20	310.00	83.60	49.10	137.60	6.24	3.70	0.88	0.36	0.24	
11	0.36	1.95	12.80	301.90	112.80	39.80	90.40	5.98	3.70	0.88	0.36	0.21	
12	0.48	1.60	13.40	279.40	152.45	28.25	60.50	5.33	3.60	0.84	0.39	0.21	
13	0.33	1.45	12.80	245.80	153.80	22.80	46.10	5.20	3.40	0.84	0.42	0.18	
14	0.30	1.60	12.95	203.10	134.90	19.80	37.25	5.10	3.40	0.80	0.42	0.15	
15	0.36	3.08	11.15	158.30	120.95	17.60	32.00	4.80	3.30	0.76	0.42	0.12	
16	0.36	6.65	12.80	116.45	108.40	18.20	29.25	4.70	3.20	0.76	0.39	0.21	
17	0.36	5.10	13.40	89.20	91.20	19.80	26.60	4.70	3.20	0.72	0.36	0.21	
18	0.33	3.14	11.75	71.10	84.00	18.20	23.60	4.60	3.02	0.68	0.33	0.15	
19	0.30	2.36	11.75	59.90	91.20	20.00	21.80	4.30	2.96	0.64	0.30	0.12	
20	0.24	2.18	11.75	54.20	86.40	32.75	20.40	4.00	2.90	0.64	0.30	0.12	
21	0.24	2.18	13.10	47.00	79.60	39.50	18.40	3.80	2.66	0.60	0.30	0.09	
22	0.24	2.72	14.00	36.50	78.40	45.20	17.00	3.70	2.60	0.60	0.30	0.06	
23	0.21	3.20	11.90	31.00	61.40	50.90	15.40	3.60	2.60	0.60	0.27	0.06	
24	0.21	3.60	8.45	32.50	47.00	71.45	14.80	3.40	2.48	0.57	0.27	0.15	
25	0.24	8.45	7.70	49.40	36.25	184.50	13.55	3.30	2.30	0.54	0.27	0.27	
26	0.27	18.00	7.40	70.05	35.25	287.40	12.65	3.14	2.18	0.54	0.27	0.42	
27	0.68	20.40	7.55	60.50	33.75	347.20	12.80	3.02	2.06	0.54	0.24	0.42	
28	0.68	15.40	23.60	44.30	29.75	372.00	14.20	2.96	1.85	0.51	0.21	0.33	
29	0.72	14.00	69.70	36.25	24.80	387.20	13.25	2.96	1.80	0.48	0.21	0.33	
30	0.76	11.45	102.80	40.40	22.60	419.00	13.25	3.02	1.80	0.48		0.36	
31		8.30		59.00	21.40		12.95		1.70	0.45		0.18	
TOTAL	10.58	161.14	425.29	4524.70	2564.95	2715.45	4306.44	170.67	87.89	25.50	10.05	7.74	15010.38 CMSDAY
MEAN	0.35	5.20	14.18	145.96	82.74	90.51	138.92	5.69	2.84	0.82	0.35	0.25	41.01 CMS
MAX	0.76	20.40	102.80	310.00	153.80	419.00	470.20	12.50	3.80	1.60	0.45	0.45	470.20 CMS
MIN	0.21	0.92	2.48	31.00	21.40	17.60	12.65	2.96	1.70	0.45	0.21	0.06	0.06 CMS
RUNOFF	0.914	13.922	36.745	390.934	221.611	234.615	372.077	14.746	7.594	2.203	0.868	0.669	1296.897 MCM

MOMENTARY PEAK 477.40 CMS, AT 10.36 M (MSL), AT 18.00 HOURS, ON OCT 2, 1979

RUNOFF YIELD 7.67 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 89.28 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

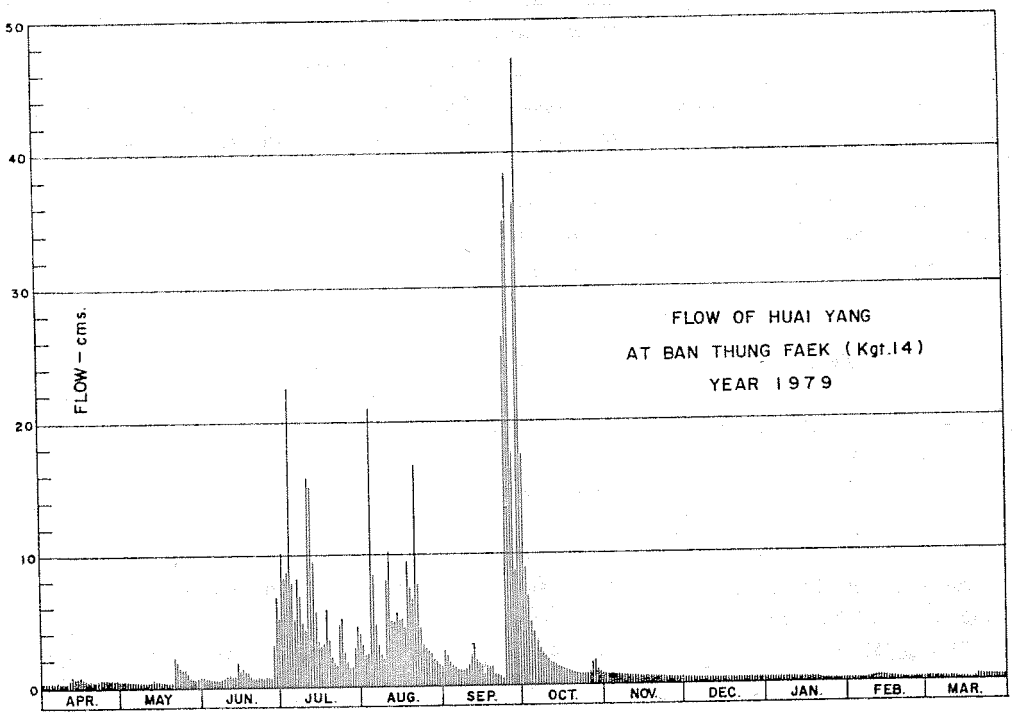
HUAI YANG AT BAN THUNG FAEK, PRACHIN BURI (KGT.14)

LOCATION	LAT. 14°09'30" N., LONG. 101°52'52" E., ON LEFT BANK ABOUT 2 KILOMETERS LEFT OF KABIN BURI-NAKHON RATCHASIMA HIGHWAY, BAN THUNG FAEK, AMPHOE KABIN BURI, PRACHIN BURI.
DRAINAGE AREA	366 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+34.61 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+42.429 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 27 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	34.76	34.80	34.97	35.89	35.37	35.30	36.14	35.00	34.82	34.77	34.71	34.76	
2	34.76	34.79	34.91	35.73	35.27	35.25	35.75	34.98	34.82	34.77	34.71	34.74	
3	34.76	34.79	34.88	35.76	35.27	35.18	35.61	34.97	34.82	34.77	34.71	34.73	
4	34.75	34.79	34.85	36.40	36.34	35.14	35.50	34.97	34.82	34.77	34.71	34.72	
5	34.75	34.78	34.84	35.68	35.60	35.12	35.43	34.96	34.82	34.76	34.71	34.71	
6	34.75	34.77	34.84	35.58	35.41	35.09	35.36	34.95	34.83	34.79	34.71	34.71	
7	34.74	34.77	34.86	35.72	35.32	35.08	35.31	34.94	34.83	34.81	34.71	34.71	
8	34.73	34.75	34.85	35.66	35.26	35.07	35.28	34.94	34.82	34.80	34.71	34.70	
9	34.72	34.76	34.95	35.48	35.23	35.09	35.25	34.94	34.82	34.76	34.74	34.70	
10	34.72	34.75	35.00	35.43	35.72	35.16	35.21	34.93	34.81	34.75	34.75	34.69	
11	34.83	34.75	35.01	36.12	35.84	35.26	35.17	34.92	34.81	34.75	34.76	34.68	
12	34.99	34.80	34.97	36.08	35.50	35.35	35.17	34.92	34.81	34.75	34.81	34.67	
13	34.90	34.86	35.02	35.78	35.50	35.20	35.16	34.91	34.80	34.75	34.80	34.67	
14	34.94	34.80	35.20	35.53	35.52	35.19	35.14	34.89	34.80	34.75	34.79	34.66	
15	34.94	34.79	35.10	35.38	35.50	35.16	35.12	34.89	34.80	34.74	34.77	34.65	
16	34.89	34.76	35.13	35.33	35.51	35.17	35.11	34.88	34.80	34.74	34.76	34.65	
17	34.86	34.75	35.06	35.35	35.46	35.14	35.09	34.88	34.80	34.74	34.75	34.65	
18	34.83	34.74	35.06	35.56	35.80	35.13	35.07	34.87	34.80	34.74	34.74	34.65	
19	34.81	34.74	34.99	35.38	35.65	35.27	35.06	34.86	34.81	34.74	34.73	34.77	
20	34.80	34.79	34.96	35.27	35.61	35.20	35.05	34.86	34.81	34.73	34.73	34.81	
21	34.79	35.25	34.93	35.20	36.16	35.20	35.02	34.86	34.81	34.73	34.73	34.80	
22	34.83	35.21	34.95	35.17	35.62	35.17	35.01	34.86	34.81	34.73	34.72	34.79	
23	34.89	35.14	34.93	35.47	35.44	35.16	35.01	34.86	34.80	34.73	34.72	34.78	
24	34.84	35.11	34.92	35.51	35.35	36.49	35.01	34.85	34.80	34.72	34.72	34.78	
25	34.83	35.12	34.97	35.29	35.31	36.68	35.01	34.85	34.79	34.72	34.72	34.78	
26	34.82	35.02	34.96	35.19	35.28	36.93	35.04	34.84	34.78	34.72	34.73	34.77	
27	34.81	34.93	34.98	35.14	35.27	36.14	35.18	34.84	34.78	34.72	34.76	34.76	
28	34.81	34.89	35.30	35.15	35.22	35.76	35.20	34.84	34.77	34.72	34.76	34.75	
29	34.80	34.87	35.62	35.30	35.19	36.46	35.09	34.84	34.77	34.72	34.75	34.75	
30	34.80	34.89	35.51	35.46	35.17	37.17	35.03	34.83	34.77	34.72		34.75	
31		34.94		35.42	35.14		35.01		34.77	34.71		34.75	
MEAN	34.81	34.87	35.02	35.53	35.48	35.49	35.21	34.90	34.80	34.75	34.74	34.73	
MAX	34.99	35.25	35.62	36.40	36.34	37.17	36.14	35.00	34.83	34.81	34.81	34.81	37.17
MIN	34.72	34.74	34.84	35.14	35.14	35.07	35.01	34.83	34.77	34.71	34.71	34.65	34.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 37.61 M (MSL), AT 24.00 HOURS, ON SEP 29, 1979
ZERO GAGE AT BOTTOM ELEVATION 34.61 M (MSL), RIVER BED 33.36 M (MSL)
LEFT BANK ELEVATION 42.60 M (MSL)
RIGHT BANK ELEVATION 41.77 M (MSL), DRAINAGE AREA 366 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.40	0.74	11.12	3.40	2.70	16.34	0.80	0.44	0.34	0.22	0.32	
2	0.32	0.38	0.62	8.31	2.43	2.25	8.65	0.76	0.44	0.34	0.22	0.28	
3	0.32	0.38	0.56	8.82	2.43	1.68	6.54	0.74	0.44	0.34	0.22	0.26	
4	0.30	0.38	0.50	22.50	21.00	1.44	5.00	0.74	0.44	0.34	0.22	0.24	
5	0.30	0.36	0.48	7.52	6.40	1.32	4.09	0.72	0.44	0.32	0.22	0.22	
6	0.30	0.34	0.48	6.12	3.83	1.16	3.30	0.70	0.46	0.38	0.22	0.22	
7	0.28	0.34	0.52	8.14	2.90	1.12	2.80	0.68	0.46	0.42	0.22	0.22	
8	0.26	0.30	0.50	7.24	2.34	1.08	2.52	0.68	0.44	0.40	0.22	0.20	
9	0.24	0.32	0.70	4.74	2.07	1.16	2.25	0.68	0.44	0.32	0.28	0.20	
10	0.24	0.30	0.80	4.09	8.14	1.56	1.89	0.66	0.42	0.30	0.30	0.18	
11	0.46	0.30	0.84	15.92	10.22	2.34	1.62	0.64	0.42	0.30	0.32	0.16	
12	0.78	0.40	0.74	15.08	5.00	3.20	1.62	0.64	0.42	0.30	0.42	0.14	
13	0.60	0.52	0.88	9.16	5.00	1.80	1.56	0.62	0.40	0.30	0.40	0.14	
14	0.68	0.40	1.80	5.42	5.28	1.74	1.44	0.58	0.40	0.30	0.38	0.12	
15	0.68	0.38	1.20	3.50	5.00	1.56	1.32	0.58	0.40	0.28	0.34	0.10	
16	0.58	0.32	1.36	3.00	5.14	1.62	1.26	0.56	0.40	0.28	0.32	0.10	
17	0.52	0.30	1.04	3.20	4.48	1.44	1.16	0.56	0.40	0.28	0.30	0.10	
18	0.46	0.28	1.04	5.84	9.50	1.38	1.08	0.54	0.40	0.28	0.28	0.10	
19	0.42	0.28	0.78	3.50	7.10	2.43	1.04	0.52	0.42	0.28	0.26	0.34	
20	0.40	0.38	0.72	2.43	6.54	1.80	1.00	0.52	0.42	0.26	0.26	0.42	
21	0.38	2.25	0.66	1.80	16.76	1.80	0.88	0.52	0.42	0.26	0.26	0.40	
22	0.46	1.89	0.70	1.62	6.68	1.62	0.84	0.52	0.42	0.26	0.24	0.36	
23	0.58	1.44	0.66	4.61	4.22	1.56	0.84	0.52	0.40	0.26	0.24	0.36	
24	0.48	1.26	0.64	5.14	3.20	24.75	0.84	0.50	0.40	0.24	0.24	0.36	
25	0.46	1.32	0.74	2.61	2.80	30.20	0.84	0.50	0.38	0.24	0.24	0.36	
26	0.44	0.88	0.72	1.74	2.52	38.35	0.96	0.46	0.36	0.24	0.26	0.34	
27	0.42	0.66	0.76	1.44	2.43	16.34	1.68	0.48	0.36	0.24	0.32	0.32	
28	0.42	0.58	2.70	1.50	1.98	8.82	1.80	0.48	0.34	0.24	0.32	0.30	
29	0.40	0.54	6.68	2.70	1.74	24.00	1.16	0.48	0.34	0.24	0.30	0.30	
30	0.40	0.58	5.14	4.48	1.62	47.06	0.92	0.46	0.34	0.24		0.30	
31		0.68		3.96	1.44		0.84		0.34	0.22		0.30	
TOTAL	12.90	19.14	35.72	187.25	163.59	229.28	78.08	17.86	12.60	9.04	8.04	7.78	781.28 CMSDAY
MEAN	0.43	0.62	1.19	6.04	5.28	7.64	2.52	0.60	0.41	0.29	0.28	0.25	2.13 CMS
MAX	0.78	2.25	6.68	22.50	21.00	47.06	16.34	0.80	0.46	0.42	0.42	0.42	47.06 CMS
MIN	0.24	0.28	0.48	1.44	1.44	1.08	0.84	0.46	0.34	0.22	0.22	0.10	0.10 CMS
RUNOFF	1.115	1.654	3.086	16.178	14.134	19.810	6.746	1.543	1.089	0.781	0.695	0.672	67.502 MCM

MOMENTARY PEAK 65.77 CMS, AT 37.61 M (MSL), AT 24.00 HOURS, ON SEP 29, 1979

RUNOFF YIELD 5.83 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 179.70 LITERS/SECOND/SQUARE KM

340

WATER YEAR 1979

PRACHIN RIVER BASIN

HUAI SAMONG AT BAN KAENG DIN SO, PRACHIN BURI (KGT.15A)

LOCATION — LAT. 14-03-46 N., LONG. 101-55-39 E., ON RIGHT BANK AT BAN KAENG DIN SO ABOUT 15 KILOMETERS UPSTREAM FROM THE KGT.15 STATION, AMPHOE KABIN BURI, PRACHIN BURI.

DRAINAGE AREA — 530 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF THE STATION OFFICE AND NEAR THE RAIN GAGE.

ELEVATION — +9.615 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1968 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1968 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1968 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 123 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

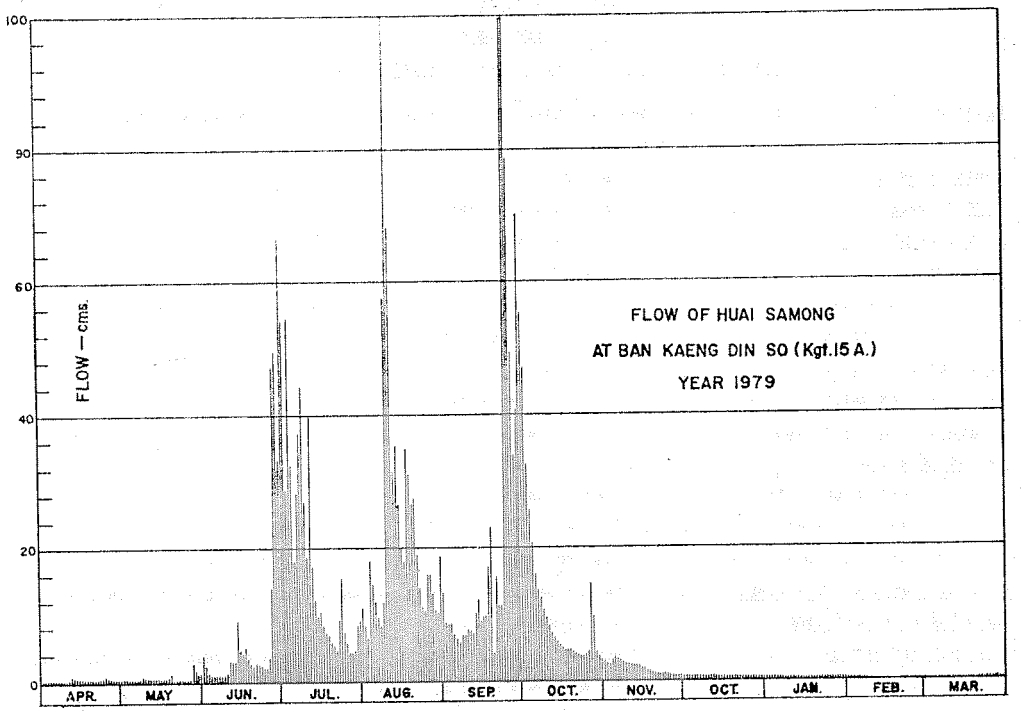
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.59	0.64	1.09	3.55	1.50	1.47	3.34	1.04	0.75	0.66	0.58	0.60	
2	0.59	0.64	0.93	3.23	1.36	1.38	2.63	1.01	0.74	0.66	0.62	0.59	
3	0.58	0.63	0.84	2.23	1.26	1.39	2.30	1.01	0.74	0.66	0.61	0.59	
4	0.58	0.62	0.79	3.17	1.86	1.39	2.08	1.05	0.74	0.66	0.59	0.59	
5	0.58	0.62	0.78	2.42	1.66	1.32	1.93	1.09	0.74	0.65	0.58	0.59	
6	0.58	0.64	0.76	1.86	1.56	1.27	1.74	1.06	0.73	0.65	0.58	0.58	
7	0.58	0.64	0.74	2.19	1.48	1.23	1.65	1.04	0.73	0.65	0.57	0.58	
8	0.56	0.64	0.76	2.53	1.38	1.31	1.57	1.02	0.72	0.65	0.57	0.58	
9	0.56	0.77	0.82	2.82	1.53	1.28	1.50	1.02	0.72	0.64	0.57	0.57	
10	0.57	0.69	0.82	2.04	3.22	1.35	1.44	1.01	0.70	0.64	0.57	0.57	
11	0.62	0.70	1.01	1.88	4.59	1.35	1.40	0.99	0.70	0.64	0.57	0.57	
12	0.74	0.70	1.02	2.68	3.81	1.31	1.34	0.98	0.70	0.64	0.58	0.57	
13	0.72	0.69	1.00	1.81	2.35	1.45	1.30	0.97	0.69	0.64	0.59	0.57	
14	0.68	0.68	1.41	1.57	2.52	1.57	1.27	0.94	0.68	0.64	0.59	0.57	
15	0.68	0.71	1.16	1.43	2.26	1.43	1.24	0.93	0.68	0.64	0.59	0.57	
16	0.67	0.71	1.11	1.49	1.94	1.45	1.21	0.91	0.68	0.64	0.59	0.57	
17	0.64	0.67	1.19	1.34	1.85	1.38	1.17	0.89	0.68	0.64	0.59	0.57	
18	0.63	0.65	1.08	1.32	2.51	1.84	1.17	0.88	0.68	0.64	0.59	0.57	
19	0.62	0.64	0.99	1.32	2.28	2.06	1.18	0.86	0.68	0.63	0.58	0.57	
20	0.62	0.81	0.92	1.25	2.18	1.15	1.16	0.85	0.68	0.63	0.58	0.57	
21	0.62	0.42	0.96	1.19	2.23	1.75	1.15	0.85	0.68	0.61	0.59	0.58	
22	0.61	0.16	0.97	1.14	1.81	1.53	1.12	0.83	0.68	0.61	0.59	0.60	
23	0.61	0.14	0.95	1.35	1.60	1.52	1.10	0.83	0.68	0.61	0.59	0.59	
24	0.64	0.45	0.92	1.73	1.51	3.93	1.11	0.81	0.68	0.61	0.61	0.57	
25	1.01	0.30	0.94	1.33	1.49	5.06	1.13	0.80	0.68	0.60	0.64	0.57	
26	0.74	0.38	1.04	1.21	1.76	4.08	1.16	0.80	0.68	0.60	0.62	0.56	
27	0.66	0.10	1.65	1.15	1.76	2.98	1.70	0.77	0.68	0.59	0.61	0.56	
28	0.65	0.97	2.93	1.14	1.54	2.47	1.37	0.75	0.66	0.59	0.61	0.55	
29	0.65	0.87	2.99	1.15	1.46	2.71	1.14	0.75	0.66	0.59	0.61	0.55	
30	0.65	0.82	2.33	1.36	1.47	3.66	1.08	0.75	0.66	0.59	0.60	0.54	
31		0.82		1.40	1.88		1.07		0.66	0.59		0.60	
												0.58	
MEAN	0.64	0.61	1.16	1.82	1.99	1.94	1.48	0.92	0.70	0.63	0.59	0.57	
MAX	1.01	0.97	2.99	3.55	4.59	5.06	3.34	1.09	0.75	0.66	0.64	0.60	5.06
MIN	0.56	0.10	0.74	1.14	1.26	1.15	1.07	0.75	0.66	0.59	0.57	0.54	0.10

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.22 M (A.D.), AT 6.00 HOURS, ON SEP 25, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.21 M (A.D.)

LEFT BANK ELEVATION — 12.05 M (A.D.)

RIGHT BANK ELEVATION — 9.37 M (A.D.), DRAINAGE AREA 530 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.18	0.32	3.60	66.50	10.63	10.02	59.78	3.10	0.75	0.38	0.16	0.20	
2	0.18	0.32	2.00	56.33	7.88	8.24	38.47	2.80	0.70	0.38	0.26	0.18	
3	0.16	0.29	1.28	27.38	6.16	8.42	29.20	2.80	0.70	0.38	0.23	0.18	
4	0.16	0.26	0.95	54.50	18.18	8.42	23.50	3.20	0.70	0.38	0.18	0.18	
5	0.16	0.26	0.90	32.56	13.89	7.16	19.82	3.60	0.70	0.35	0.16	0.18	
6	0.16	0.32	0.80	18.18	11.85	6.32	15.54	3.30	0.65	0.35	0.16	0.16	
7	0.16	0.32	0.70	26.34	10.23	5.68	13.68	3.10	0.65	0.35	0.14	0.16	
8	0.12	0.32	0.80	35.64	8.24	6.98	12.06	2.90	0.60	0.35	0.14	0.16	
9	0.12	0.85	1.14	44.00	11.24	6.48	10.63	2.90	0.60	0.32	0.14	0.14	
10	0.14	0.47	1.14	22.50	56.02	7.70	9.41	2.80	0.60	0.32	0.14	0.14	
11	0.26	0.50	2.80	18.64	102.03	7.70	8.60	2.60	0.60	0.32	0.14	0.14	
12	0.70	0.50	2.90	39.92	75.03	6.98	7.52	2.50	0.60	0.32	0.16	0.14	
13	0.60	0.47	2.70	17.03	30.60	9.62	6.80	2.40	0.47	0.32	0.18	0.14	
14	0.44	0.44	8.00	12.06	35.36	12.06	6.32	2.10	0.44	0.32	0.18	0.14	
15	0.44	0.55	4.60	9.21	28.16	9.21	5.84	2.00	0.44	0.32	0.18	0.14	
16	0.41	0.55	3.85	10.43	20.06	9.62	5.36	1.80	0.44	0.32	0.18	0.14	
17	0.32	0.41	5.05	7.52	17.95	8.24	4.75	1.63	0.44	0.32	0.18	0.14	
18	0.29	0.35	3.50	7.16	35.08	17.72	4.75	1.56	0.44	0.29	0.16	0.14	
19	0.26	0.32	2.60	7.16	28.68	23.00	4.90	1.42	0.44	0.29	0.16	0.14	
20	0.26	1.07	1.90	6.00	26.08	4.45	4.60	1.35	0.44	0.23	0.18	0.16	
21	0.26	0.00	2.30	5.05	27.38	15.75	4.45	1.35	0.44	0.23	0.18	0.20	
22	0.23	0.00	2.40	4.30	17.03	11.24	4.00	1.21	0.44	0.23	0.18	0.18	
23	0.23	0.00	2.20	7.70	12.67	11.04	3.70	1.21	0.44	0.23	0.23	0.14	
24	0.32	0.00	1.90	15.33	10.84	78.99	3.35	1.07	0.44	0.20	0.32	0.14	
25	2.80	0.00	2.10	7.34	10.43	119.58	4.15	1.00	0.44	0.20	0.26	0.12	
26	0.70	0.00	3.10	5.36	15.96	83.94	4.60	1.00	0.44	0.18	0.23	0.12	
27	0.38	0.00	13.68	4.45	15.96	48.80	14.70	0.85	0.44	0.18	0.23	0.10	
28	0.35	2.40	47.30	4.30	11.45	33.96	8.06	0.75	0.38	0.18	0.23	0.10	
29	0.35	1.49	49.10	4.45	9.82	40.79	4.30	0.75	0.38	0.18	0.20	0.08	
30	0.35	1.14	30.04	7.88	10.02	70.08	3.50	0.75	0.38	0.18		0.20	
31		1.14		8.60	18.64		3.40		0.38	0.18		0.16	
TOTAL	11.49	15.06	206.13	593.82	713.55	698.19	350.24	59.80	15.70	8.78	5.47	4.64	2682.87 CMSDAY
MEAN	0.38	0.49	6.87	19.16	23.02	23.27	11.30	1.99	0.51	0.28	0.19	0.15	7.33 CMS
MAX	2.80	2.40	49.10	66.50	102.03	119.58	59.78	3.60	0.75	0.38	0.32	0.20	119.58 CMS
MIN	0.12	0.00	0.70	4.30	6.16	4.45	3.40	0.75	0.38	0.18	0.14	0.08	0.00 CMS
RUNOFF	0.993	1.301	17.810	51.306	61.651	60.324	30.261	5.167	1.356	0.759	0.473	0.401	231.799 MCM

MOMENTARY PEAK 125.66 CMS, AT 5.22 H (A.D), AT 6.00 HOURS, ON SEP 25, 1979
RUNOFF YIELD 13.83 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 237.09 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

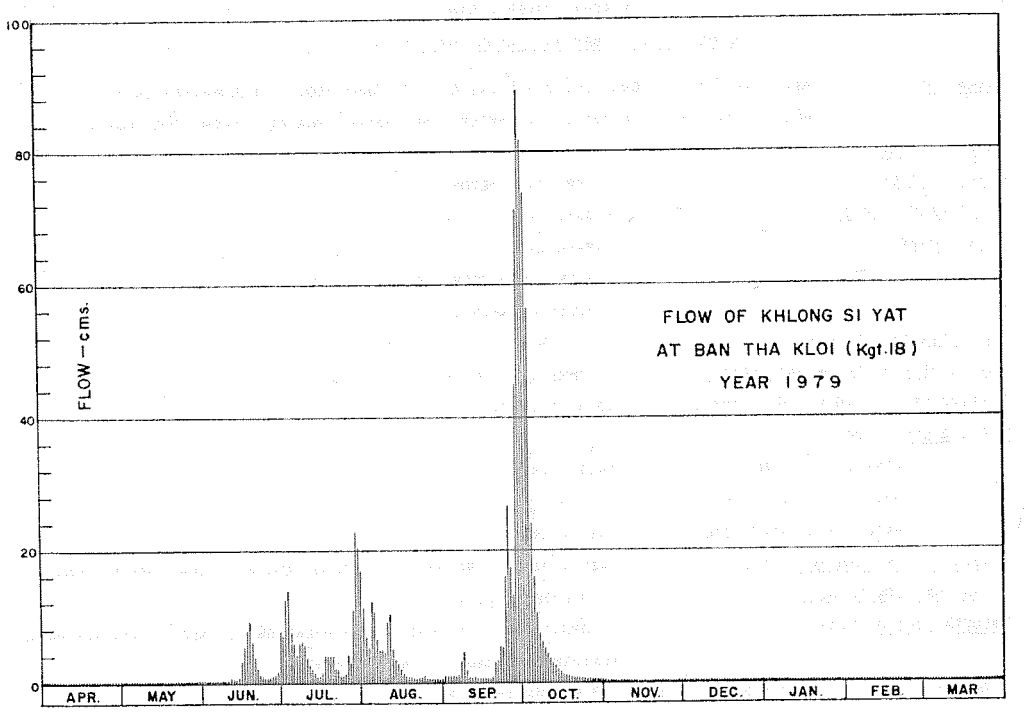
KHLONG SI YAT AT BAN THA KLOI, CHACHOENGSAO (KGT.18)

LOCATION	LAT. 13°-28'-29" N., LONG. 101°-37'-44" E., ON RIGHT BANK AT BAN THA KLOI, AMPHOE SANAM CHAI KHET, CHACHOENGSAO.
DRAINAGE AREA	951 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	UNDER THE COCONUT TREE INFRONT OF THE STATION OFFICE.
ELEVATION	+7.213 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE. NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 65 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.47	0.40	0.80	1.91	2.23	1.21	5.28	0.94	0.77	0.72	0.62	0.48	
2	0.47	0.40	0.80	2.31	1.92	1.23	5.03	0.92	0.76	0.72	0.61	0.48	
3	0.46	0.40	0.79	2.53	1.73	1.16	4.39	0.95	0.76	0.72	0.60	0.48	
4	0.45	0.40	0.80	2.00	2.19	1.31	3.16	0.92	0.76	0.72	0.60	0.48	
5	0.45	0.40	0.79	1.80	2.33	1.19	2.64	0.92	0.76	0.71	0.60	0.48	
6	0.44	0.40	0.79	1.64	1.89	1.16	2.28	0.90	0.76	0.71	0.60	0.48	
7	0.44	0.72	0.77	1.69	1.71	1.45	2.03	0.90	0.76	0.71	0.60	0.48	
8	0.44	0.73	0.79	1.84	1.72	1.67	1.87	0.89	0.76	0.70	0.57	0.47	
9	0.43	0.80	0.81	1.82	1.64	1.37	1.74	0.87	0.76	0.70	0.56	0.46	
10	0.42	0.77	0.94	1.64	2.12	1.24	1.64	0.87	0.75	0.70	0.56	0.45	
11	0.44	0.77	1.08	1.47	2.20	1.12	1.55	0.86	0.75	0.69	0.55	0.45	
12	0.44	0.76	1.03	1.37	1.77	1.13	1.48	0.85	0.75	0.69	0.54	0.45	
13	0.43	0.90	0.99	1.30	1.56	1.08	1.42	0.84	0.75	0.68	0.53	0.44	
14	0.43	1.00	1.05	1.25	1.45	1.11	1.36	0.83	0.75	0.68	0.53	0.44	
15	0.43	0.93	1.34	1.27	1.34	1.10	1.32	0.83	0.75	0.68	0.51	0.43	
16	0.46	0.88	1.75	1.20	1.25	1.08	1.26	0.83	0.75	0.68	0.50	0.44	
17	0.46	0.84	1.92	1.58	1.19	1.07	1.22	0.82	0.74	0.67	0.50	0.45	
18	0.46	0.81	2.10	1.58	1.15	1.06	1.18	0.80	0.74	0.67	0.50	0.45	
19	0.45	0.80	1.90	1.67	1.11	1.17	1.15	0.80	0.74	0.66	0.48	0.44	
20	0.44	0.80	1.61	1.54	1.09	1.47	1.12	0.80	0.74	0.66	0.48	0.44	
21	0.44	0.80	1.35	1.43	1.08	1.52	1.10	0.80	0.74	0.65	0.48	0.44	
22	0.44	0.78	1.25	1.33	1.10	1.76	1.07	0.80	0.74	0.65	0.48	0.44	
23	0.44	0.81	1.17	1.26	1.12	1.67	1.04	0.79	0.74	0.64	0.48	0.44	
24	0.43	0.84	1.09	1.19	1.18	2.13	1.03	0.79	0.74	0.64	0.48	0.44	
25	0.43	0.93	1.10	1.21	1.09	3.24	1.02	0.80	0.73	0.64	0.48	0.44	
26	0.43	0.92	1.13	1.65	1.05	2.62	1.01	0.79	0.73	0.64	0.48	0.45	
27	0.42	0.89	1.12	1.50	1.05	2.43	1.05	0.78	0.72	0.63	0.48	0.45	
28	0.42	0.85	1.24	2.04	1.03	3.37	1.07	0.78	0.72	0.63	0.48	0.45	
29	0.41	0.82	1.30	3.05	1.01	4.97	1.02	0.78	0.72	0.63	0.48	0.45	
30	0.40	0.80	1.98	2.92	1.01	5.48	1.00	0.77	0.72	0.62		0.46	
31		0.79		2.68	1.05		0.98		0.72	0.62		0.46	
MEAN	0.44	0.75	1.19	1.73	1.46	1.79	1.76	0.84	0.74	0.67	0.53	0.45	
MAX	0.47	1.00	2.10	3.05	2.33	5.48	5.28	0.95	0.77	0.72	0.62	0.48	5.48
MIN	0.40	0.40	0.77	1.19	1.01	1.06	0.98	0.77	0.72	0.62	0.48	0.43	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.54 M (A.D.), AT 9.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.15 M (A.D.)
LEFT BANK ELEVATION 7.25 M (A.D.)
RIGHT BANK ELEVATION 6.85 M (A.D.), DRAINAGE AREA 951 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.05	6.90	10.69	1.06	81.28	0.22	0.04	0.01	0.00	0.00	
2	0.00	0.00	0.05	11.73	7.00	1.18	72.76	0.16	0.03	0.01	0.00	0.00	
3	0.00	0.00	0.04	14.59	5.10	0.88	53.72	0.25	0.03	0.01	0.00	0.00	
4	0.00	0.00	0.05	7.80	10.17	1.68	24.78	0.16	0.03	0.01	0.00	0.00	
5	0.00	0.00	0.04	5.80	11.99	0.97	16.10	0.16	0.03	0.00	0.00	0.00	
6	0.00	0.00	0.04	4.32	6.70	0.88	11.34	0.10	0.03	0.00	0.00	0.00	
7	0.00	0.01	0.04	4.72	4.90	2.80	8.16	0.10	0.03	0.00	0.00	0.00	
8	0.00	0.01	0.04	6.20	5.00	4.56	6.50	0.09	0.03	0.00	0.00	0.00	
9	0.00	0.05	0.05	6.00	4.32	2.16	5.20	0.08	0.03	0.00	0.00	0.00	
10	0.00	0.04	0.22	4.32	9.26	1.24	4.32	0.08	0.03	0.00	0.00	0.00	
11	0.00	0.04	0.64	2.96	10.30	0.76	3.60	0.08	0.03	0.00	0.00	0.00	
12	0.00	0.03	0.49	2.16	5.50	0.79	3.04	0.07	0.03	0.00	0.00	0.00	
13	0.00	0.10	0.37	1.60	3.68	0.64	2.56	0.07	0.03	0.00	0.00	0.00	
14	0.00	0.40	0.55	1.30	2.80	0.73	2.08	0.06	0.03	0.00	0.00	0.00	
15	0.00	0.19	1.92	1.42	1.92	0.70	1.76	0.06	0.03	0.00	0.00	0.00	
16	0.00	0.09	5.30	1.00	1.30	0.64	1.36	0.06	0.03	0.00	0.00	0.00	
17	0.00	0.07	7.00	3.84	0.97	0.61	1.12	0.06	0.02	0.00	0.00	0.00	
18	0.00	0.05	9.00	3.84	0.85	0.58	0.94	0.05	0.02	0.00	0.00	0.00	
19	0.00	0.05	6.80	4.56	0.73	0.91	0.85	0.05	0.02	0.00	0.00	0.00	
20	0.00	0.05	4.08	3.52	0.67	2.96	0.76	0.05	0.02	0.00	0.00	0.00	
21	0.00	0.05	2.00	2.64	0.64	3.36	0.70	0.05	0.02	0.00	0.00	0.00	
22	0.00	0.04	1.30	1.84	0.70	5.40	0.61	0.05	0.02	0.00	0.00	0.00	
23	0.00	0.05	0.91	1.36	0.76	4.56	0.52	0.04	0.02	0.00	0.00	0.00	
24	0.00	0.07	0.67	0.97	0.94	9.39	0.49	0.04	0.02	0.00	0.00	0.00	
25	0.00	0.19	0.70	1.06	0.67	26.30	0.46	0.05	0.01	0.00	0.00	0.00	
26	0.00	0.16	0.79	4.40	0.55	15.80	0.43	0.04	0.01	0.00	0.00	0.00	
27	0.00	0.09	0.76	3.20	0.55	13.29	0.55	0.04	0.01	0.00	0.00	0.00	
28	0.00	0.07	1.24	8.28	0.49	28.90	0.61	0.04	0.01	0.00	0.00	0.00	
29	0.00	0.06	1.60	22.85	0.43	70.87	0.46	0.04	0.01	0.00	0.00	0.00	
30	0.00	0.05	7.60	20.64	0.43	88.90	0.40	0.04	0.01	0.00		0.00	
31		0.04		16.70	0.55		0.34		0.01	0.00		0.00	
TOTAL	0.00	2.05	54.34	182.52	110.56	293.50	307.80	2.44	0.72	0.04	0.00	0.00	953.97 CMSDAY
MEAN	0.00	0.07	1.81	5.89	3.57	9.78	9.93	0.08	0.02	0.00	0.00	0.00	2.61 CMS
MAX	0.00	0.40	9.00	22.85	11.99	88.90	81.28	0.25	0.04	0.01	0.00	0.00	88.90 CMS
MIN	0.00	0.00	0.04	0.97	0.43	0.58	0.34	0.04	0.01	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.177	4.695	15.770	9.552	25.358	26.594	0.211	0.062	0.003	0.000	0.000	82.423 MCM

MOMENTARY PEAK 91.34 CMS, AT 5.54 M (A.D), AT 9.00 HOURS, ON SEP 30, 1979

RUNOFF YIELD 2.74 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 96.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

KHLONG LUANG AT BAN MAI, CHON BURI (KGT.19)

LOCATION — LAT. 13°23'17" N., LONG. 101°20'40" E., ON LEFT BANK ABOUT 4 KILOMETERS EAST OF KHOK PHO MARKET AND ABOUT 16 KILOMETERS FROM AMPHOE PHANAT NIKHOM, CHON BURI.

DRAINAGE AREA — 535 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +20.12 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — BESIDE THE METEOROLOGICAL STATION.

ELEVATION — +25.658 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965 - 1974

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965 - 1974

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 336 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

REMARKS — ESTIMATED GAGE HEIGHT DURING MAR 1-12,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

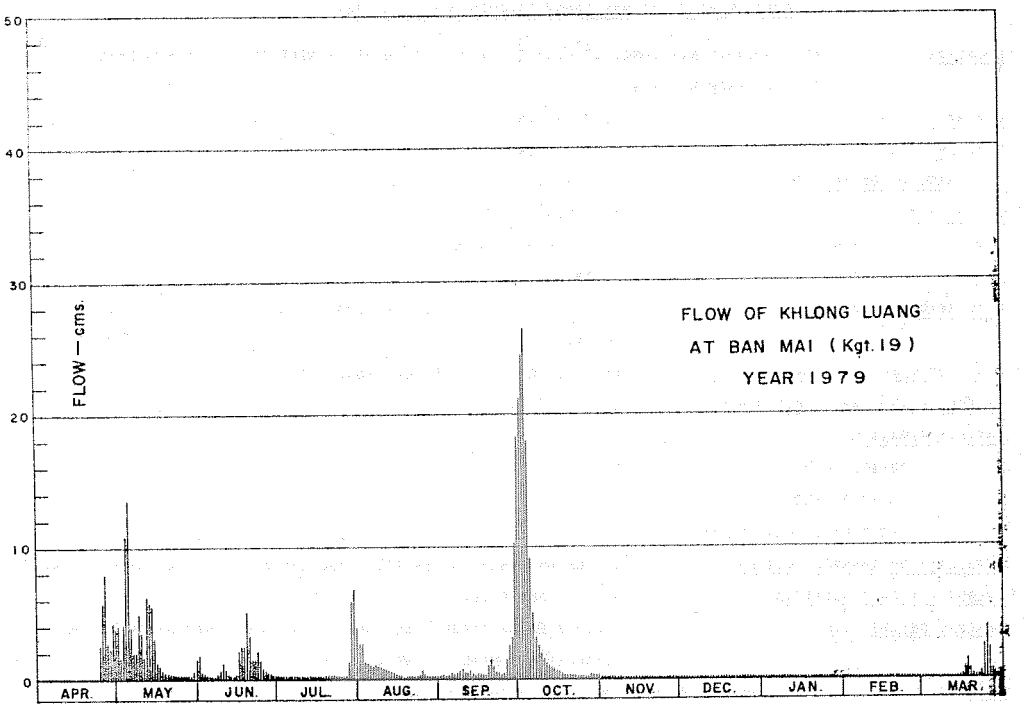
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	20.49	22.23	21.55	20.88	21.82	20.86	24.79	20.72	20.60	20.66	20.52	20.33	
2	20.50	21.80	21.07	20.87	21.82	20.90	25.01	20.69	20.60	20.63	20.51	20.32	
3	20.49	22.10	20.94	20.85	21.38	20.88	25.11	20.67	20.59	20.63	20.51	20.31	
4	20.48	23.54	20.88	20.85	21.32	20.91	24.50	20.67	20.59	20.60	20.49	20.31	
5	20.48	24.07	20.86	20.86	21.29	21.02	23.27	20.65	20.59	20.56	20.49	20.31	
6	20.47	22.20	20.85	20.84	21.27	20.95	22.46	20.64	20.57	20.56	20.49	20.30	
7	20.46	21.57	20.82	20.84	21.29	20.98	22.07	20.62	20.58	20.56	20.49	20.31	
8	20.44	21.59	20.81	20.82	21.21	21.07	21.81	20.62	20.60	20.57	20.49	20.33	
9	20.45	22.44	21.07	20.81	21.18	21.10	21.62	20.62	20.59	20.55	20.49	20.36	
10	20.44	22.07	21.39	20.80	21.15	20.94	21.47	20.63	20.58	20.54	20.49	20.37	
11	20.44	21.49	21.07	20.79	21.11	21.04	21.35	20.69	20.57	20.53	20.48	20.37	
12	20.43	22.78	20.91	20.77	21.06	21.06	21.27	20.67	20.58	20.53	20.48	20.39	
13	20.43	22.63	20.85	20.79	21.04	20.95	21.20	20.67	20.60	20.53	20.48	20.52	
14	20.43	22.58	20.83	20.80	20.98	20.90	21.10	20.66	20.60	20.52	20.47	20.52	
15	20.44	21.67	20.84	20.80	20.95	20.95	21.05	20.66	20.60	20.52	20.47	20.52	
16	20.43	21.35	21.63	20.80	20.92	20.95	21.01	20.64	20.60	20.52	20.47	20.62	
17	20.43	21.18	21.77	20.79	20.86	20.92	20.96	20.61	20.60	20.52	20.47	21.19	
18	20.49	21.09	21.77	20.79	20.12	20.96	20.92	20.62	20.69	20.51	20.46	21.42	
19	20.44	21.02	22.49	20.87	20.79	21.24	20.86	20.61	20.67	20.51	20.46	21.10	
20	20.44	20.98	22.12	20.82	20.77	21.44	20.83	20.61	20.64	20.50	20.46	20.88	
21	20.44	20.96	21.42	20.80	20.77	21.20	20.80	20.60	20.63	20.48	20.46	20.78	
22	20.42	20.94	21.45	20.77	20.76	20.99	20.79	20.61	20.61	20.48	20.46	20.76	
23	20.42	20.92	21.66	20.75	20.78	20.92	20.77	20.61	20.60	20.48	20.45	21.03	
24	20.55	20.92	21.37	20.76	20.86	20.88	20.76	20.60	20.61	20.48	20.44	21.61	
25	22.54	20.92	21.19	20.77	21.10	20.96	20.74	20.60	20.61	20.50	20.41	22.21	
26	23.14	20.92	21.10	20.77	20.92	21.45	20.75	20.60	20.60	20.55	20.39	21.57	
27	21.79	20.90	21.02	20.87	20.89	21.78	20.75	20.59	20.60	20.55	20.36	21.13	
28	21.46	20.88	20.96	20.93	20.85	21.98	20.91	20.59	20.60	20.54	20.34	20.94	
29	22.29	20.86	20.92	22.65	20.80	23.16	20.85	20.58	20.59	20.54	20.33	20.84	
30	22.16	20.84	20.90	22.88	20.78	24.51	20.80	20.62	20.60	20.53		20.79	
31		21.42		22.22	20.79		20.76		20.63	20.53		20.75	
MEAN	20.81	21.63	21.22	20.99	21.02	21.26	21.66	20.63	20.60	20.54	20.46	20.75	
MAX	23.14	24.07	22.49	22.88	21.82	24.51	25.11	20.72	20.69	20.66	20.52	22.21	25.11
MIN	20.42	20.84	20.81	20.75	20.12	20.86	20.74	20.58	20.57	20.48	20.33	20.30	20.12

ANNUAL MAX MOMENTARY GAGE HEIGHT 25.18 M (MSL), AT 4.00 HOURS, ON OCT 3, 1979

ZERO GAGE AT BOTTOM ELEVATION 20.12 M (MSL), RIVER BED M (MSL)

LEFT BANK ELEVATION 25.32 M (MSL)

RIGHT BANK ELEVATION 25.45 M (MSL), DRAINAGE AREA 535 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	4.07	1.85	0.33	2.66	0.31	20.86	0.17	0.10	0.13	0.06	0.00	
2	0.05	1.70	0.64	0.32	2.66	0.35	24.40	0.15	0.10	0.12	0.06	0.00	
3	0.05	3.60	0.41	0.30	1.35	0.33	26.44	0.14	0.09	0.12	0.06	0.00	
4	0.04	10.14	0.33	0.30	1.20	0.37	17.40	0.14	0.09	0.10	0.05	0.00	
5	0.04	13.64	0.31	0.31	1.12	0.54	8.65	0.13	0.09	0.08	0.05	0.00	
6	0.03	3.95	0.30	0.29	1.07	0.42	4.99	0.12	0.09	0.08	0.05	0.00	
7	0.03	1.91	0.27	0.29	1.12	0.47	3.50	0.11	0.09	0.08	0.05	0.00	
8	0.02	1.94	0.26	0.27	0.93	0.64	2.63	0.11	0.10	0.09	0.05	0.00	
9	0.02	4.91	0.64	0.26	0.86	0.70	2.06	0.11	0.09	0.08	0.05	0.00	
10	0.02	3.50	1.38	0.25	0.80	0.41	1.61	0.12	0.09	0.07	0.05	0.00	
11	0.02	1.67	0.64	0.24	0.72	0.58	1.28	0.15	0.09	0.07	0.04	0.00	
12	0.01	6.27	0.37	0.22	0.62	0.62	1.07	0.14	0.09	0.07	0.04	0.00	
13	0.01	5.67	0.30	0.24	0.58	0.42	0.90	0.14	0.10	0.07	0.04	0.06	
14	0.01	5.47	0.28	0.25	0.47	0.35	0.70	0.13	0.10	0.06	0.03	0.06	
15	0.02	2.21	0.29	0.25	0.42	0.42	0.60	0.13	0.10	0.06	0.03	0.06	
16	0.01	1.28	2.09	0.25	0.36	0.42	0.52	0.12	0.10	0.06	0.03	0.11	
17	0.01	0.86	2.51	0.23	0.31	0.38	0.44	0.10	0.10	0.06	0.03	0.88	
18	0.05	0.68	2.51	0.24	0.00	0.44	0.38	0.11	0.15	0.06	0.03	1.46	
19	0.02	0.54	5.11	0.32	0.24	1.00	0.31	0.10	0.14	0.06	0.03	0.70	
20	0.02	0.47	3.67	0.27	0.22	1.52	0.28	0.10	0.12	0.05	0.03	0.33	
21	0.02	0.44	1.46	0.25	0.22	0.90	0.25	0.10	0.12	0.04	0.03	0.23	
22	0.01	0.41	1.55	0.22	0.21	0.48	0.24	0.10	0.10	0.04	0.03	0.21	
23	0.01	0.38	2.18	0.20	0.23	0.38	0.22	0.10	0.10	0.04	0.02	0.56	
24	0.08	0.38	1.33	0.21	0.31	0.33	0.21	0.10	0.10	0.04	0.02	2.03	
25	5.31	0.38	0.88	0.22	0.70	0.44	0.19	0.10	0.10	0.05	0.01	3.99	
26	8.00	0.38	0.70	0.22	0.38	1.55	0.20	0.10	0.10	0.08	0.00	1.91	
27	2.57	0.35	0.54	0.32	0.34	2.54	0.20	0.09	0.10	0.08	0.00	0.76	
28	1.58	0.33	0.44	0.39	0.30	3.18	0.37	0.09	0.10	0.07	0.00	0.41	
29	4.31	0.31	0.38	5.75	0.25	8.10	0.30	0.09	0.09	0.07	0.00	0.29	
30	3.81	0.29	0.35	6.71	0.23	17.50	0.25	0.11	0.10	0.07		0.24	
31		1.46		4.03	0.24		0.21		0.12	0.07		0.20	
TOTAL	26.23	79.59	33.97	23.95	21.14	46.09	121.66	3.50	3.15	2.22	0.97	4.49	376.96 CMSDAY
MEAN	0.87	2.57	1.13	0.77	0.68	1.54	3.92	0.12	0.10	0.07	0.03	0.47	1.03 CMS
MAX	8.00	13.64	5.11	6.71	2.66	17.50	26.44	0.17	0.15	0.13	0.06	3.99	26.44 CMS
MIN	0.01	0.29	0.26	0.20	0.00	0.31	0.19	0.09	0.09	0.04	0.00	0.00	0.00 CMS
RUNOFF	2.266	6.877	2.935	2.069	1.826	3.982	10.511	0.302	0.272	0.192	0.084	1.252	32.569 MCM

MOMENTARY PEAK 28.12 CMS, AT 25.18 M (MSL), AT 4.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 1.93 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 52.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

PRACHIN RIVER AT BAN SANG, PRACHIN BURI (KGT.22)

LOCATION — LAT. 13°-59'-45" N., LONG. 101°-13'-30" E., ON LEFT BANK INFRONT OF AMPHOE BAN SANG OFFICE, PRACHIN BURI.

DRAINAGE AREA — FLOOD PLAIN.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — -0.818 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +3.032 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 14 DISCHARGE MEASUREMENTS MADE IN 1967.

REMARKS — NO GAGE HEIGHT RECORDS DURING JUN 1-18,1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

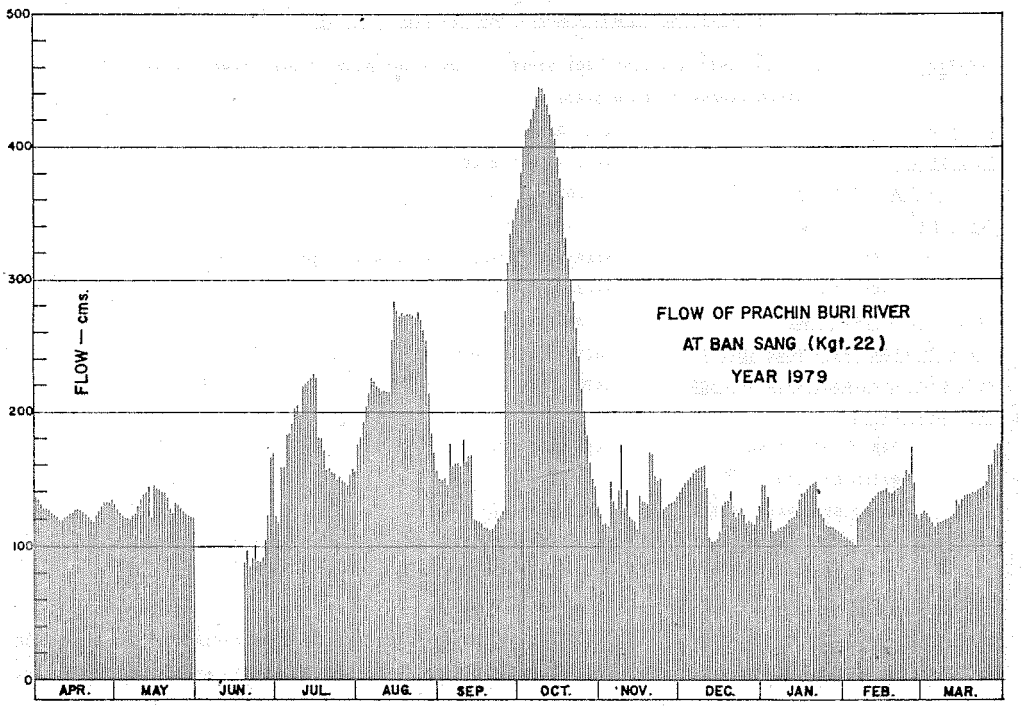
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.18	****	0.13	0.54	0.34	1.67	0.12	0.28	0.32	0.02	0.15	
2	0.21	0.17	****	0.07	0.57	0.34	1.76	0.07	0.31	0.31	0.01	0.16	
3	0.18	0.16	****	0.41	0.62	0.35	1.87	0.10	0.32	0.26	0.00	0.14	
4	0.16	0.14	****	0.41	0.75	0.30	1.92	0.09	0.34	0.09	-0.01	0.11	
5	0.19	0.13	****	0.59	0.78	0.53	1.96	0.33	0.35	0.06	-0.04	0.09	
6	0.16	0.13	****	0.61	0.87	0.31	2.00	0.21	0.38	0.06	0.13	0.08	
7	0.14	0.13	****	0.64	0.85	0.43	2.03	0.18	0.39	0.07	0.14	0.09	
8	0.14	0.14	****	0.72	0.83	0.43	2.07	0.27	0.40	0.08	0.16	0.10	
9	0.13	0.17	****	0.73	0.81	0.41	2.10	0.52	0.41	0.08	0.17	0.10	
10	0.11	0.20	****	0.68	0.80	0.56	2.10	0.17	0.42	0.10	0.19	0.12	
11	0.11	0.22	****	0.82	0.81	0.44	2.08	0.29	0.20	0.11	0.23	0.12	
12	0.13	0.26	****	0.84	0.80	0.45	2.05	0.13	-0.01	0.12	0.24	0.13	
13	0.14	0.28	****	0.86	0.80	0.47	2.00	0.12	-0.01	0.13	0.25	0.14	
14	0.16	0.30	****	0.87	1.17	0.11	1.97	0.11	-0.01	0.18	0.26	0.22	
15	0.16	0.12	****	0.88	1.23	0.11	1.91	0.05	0.01	0.25	0.27	0.20	
16	0.18	0.31	****	0.86	1.17	0.11	1.83	0.26	0.06	0.26	0.27	0.22	
17	0.17	0.30	****	0.56	1.16	0.08	1.74	0.21	0.20	0.27	0.28	0.25	
18	0.17	0.29	****	0.56	1.18	0.07	1.60	0.23	0.23	0.29	0.25	0.25	
19	0.16	0.28	-0.14	0.53	1.17	0.07	1.46	0.21	0.23	0.31	0.26	0.26	
20	0.14	0.27	-0.08	0.38	1.17	0.06	1.39	0.49	0.28	0.32	0.28	0.26	
21	0.13	0.24	-0.20	0.40	1.18	0.07	1.28	0.48	0.12	0.33	0.29	0.27	
22	0.11	0.16	-0.11	0.38	1.17	0.09	1.21	0.32	0.14	0.16	0.30	0.29	
23	0.10	0.16	-0.03	0.37	1.16	0.13	1.08	0.34	0.15	0.15	0.35	0.29	
24	0.13	0.21	-0.14	0.34	1.18	0.14	0.91	0.35	0.18	0.13	0.38	0.31	
25	0.16	0.20	-0.14	0.36	1.11	0.17	0.76	0.18	0.08	0.09	0.36	0.32	
26	0.20	0.18	-0.11	0.33	1.09	1.15	0.62	0.19	0.10	0.08	0.52	0.41	
27	0.21	0.17	0.02	0.32	1.07	1.43	0.51	0.20	0.11	0.08	0.31	0.42	
28	0.22	0.16	0.20	0.30	0.62	1.53	0.43	0.22	0.06	0.07	0.09	0.49	
29	0.21	0.14	0.47	0.38	0.57	1.60	0.35	0.23	0.11	0.05	0.13	0.52	
30	0.23	0.14	0.49	0.40	0.45	1.62	0.26	0.25	0.14	0.04		0.52	
31		0.13		0.39	0.36		0.20		0.19	0.02		0.54	
MEAN	0.16	0.20	*****	0.52	0.90	0.46	1.46	0.23	0.20	0.16	0.21	0.24	
MAX	0.24	0.31	0.49	0.88	1.23	1.62	2.10	0.52	0.42	0.33	0.52	0.54	2.10
MIN	0.10	0.12	*****	0.07	0.36	0.06	0.20	0.05	-0.01	0.02	-0.04	0.08	****

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.11 M (MSL), AT 6.00 HOURS, ON OCT 10, 1979

ZERO GAGE AT BOTTOM ELEVATION -0.82 M (MSL), RIVER BED -11.66 M (MSL)

LEFT BANK ELEVATION 3.11 M (MSL)

RIGHT BANK ELEVATION 3.04 M (MSL), DRAINAGE AREA SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	135.8	128.0	****	121.5	177.4	149.4	361.1	120.2	141.0	146.6	107.5	124.1	
2	131.9	126.7	****	113.7	181.6	149.4	377.8	113.7	145.2	145.2	106.2	125.4	
3	128.0	125.4	****	159.2	189.0	150.8	398.1	117.6	146.6	138.4	105.0	122.8	
4	125.4	122.8	****	159.2	208.5	143.8	407.6	116.3	149.4	116.3	103.7	118.9	
5	129.3	121.5	****	184.5	213.0	176.0	415.2	148.0	150.8	112.5	100.2	116.3	
6	125.4	121.5	****	187.5	226.5	145.2	423.0	131.9	155.0	112.5	121.5	115.0	
7	122.8	121.5	****	192.0	223.5	162.0	429.0	128.0	156.4	113.7	122.8	116.3	
8	122.8	122.8	****	204.0	220.5	162.0	437.0	139.7	157.8	115.0	125.4	117.6	
9	121.5	126.7	****	205.5	217.5	159.2	443.0	174.6	159.2	115.0	126.7	117.6	
10	118.9	130.6	****	198.0	216.0	180.2	443.0	126.7	160.6	117.6	129.3	120.2	
11	118.9	133.2	****	219.0	217.5	163.4	439.0	142.4	130.6	118.9	134.5	120.2	
12	121.5	138.4	****	222.0	216.0	164.8	433.0	121.5	103.7	120.2	135.8	121.5	
13	122.8	141.0	****	225.0	216.0	167.6	423.0	120.2	103.7	121.5	137.1	122.8	
14	125.4	143.8	****	226.5	273.4	118.9	417.1	118.9	103.7	128.0	138.4	133.2	
15	125.4	120.2	****	228.0	283.2	118.9	405.7	111.2	106.2	137.1	139.7	130.6	
16	128.0	145.2	****	225.0	273.4	116.9	390.7	138.4	112.5	138.4	139.7	133.2	
17	126.7	143.8	****	180.2	271.8	115.0	374.1	131.9	130.6	139.7	141.0	137.1	
18	126.7	142.4	****	180.2	275.0	113.7	348.2	134.5	134.5	142.4	137.1	137.1	
19	125.4	141.0	88.8	176.0	273.4	113.7	322.5	131.9	134.5	145.2	138.4	138.4	
20	122.8	139.7	95.6	155.0	273.4	112.5	310.2	170.4	141.0	146.6	141.0	138.4	
21	121.5	135.8	82.2	157.8	275.0	113.7	291.5	169.0	120.2	148.0	142.4	139.7	
22	118.9	125.4	92.1	155.0	273.4	116.3	279.9	146.6	122.8	125.4	143.8	142.4	
23	117.6	125.4	101.3	153.6	271.8	121.5	259.0	149.4	124.1	124.1	150.8	142.4	
24	121.5	131.9	88.8	149.4	275.0	122.8	232.5	150.8	128.0	121.5	155.0	145.2	
25	125.4	130.6	88.8	152.2	263.8	126.7	210.0	128.0	115.0	116.3	152.2	146.6	
26	130.6	128.0	92.1	148.0	260.6	270.2	189.0	129.3	117.6	115.0	174.6	159.2	
27	131.9	126.7	107.5	146.6	257.4	317.2	173.2	130.6	118.9	115.0	145.2	160.6	
28	133.2	125.4	130.6	143.8	189.0	335.2	162.0	133.2	112.5	113.7	116.3	170.4	
29	131.9	122.8	167.6	155.0	181.6	348.2	150.8	134.5	118.9	111.2	121.5	174.6	
30	134.5	122.8	170.4	157.8	164.8	351.9	138.4	137.1	122.8	110.0		174.6	
31		121.5		156.4	152.2		130.6		129.3	107.5		177.4	
TOTAL	3772.4	4032.5	*****	5437.6	7211.2	5109.1	10215.2	4046.5	4053.1	3878.5	3832.8	4239.8	***** CMSDAY
MEAN	125.7	130.1	*****	175.4	232.6	170.3	329.5	134.9	130.7	125.1	132.2	136.8	***** CMS
MAX	135.8	145.2	170.4	228.0	283.2	351.9	443.0	174.6	160.6	148.0	174.6	177.4	443.0 CMS
MIN	117.6	120.2	*****	113.7	152.2	112.5	130.6	111.2	103.7	107.5	100.2	115.0	***** CMS
RUNOFF	325.94	348.41	*****	469.81	623.05	441.43	882.59	349.62	350.19	335.10	331.15	366.32	***** MCM

MOMENTARY PEAK 445.00 CMS, AT 2.11 M (MSL), AT 6.00 HOURS, ON OCT 10, 1979

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

WATER YEAR 1979

PRACHIN RIVER BASIN

PRACHANTAKHAM AT BAN TAKHRO, PRACHIN BURI (KGT.24)

LOCATION — LAT. 14°-10'-34" N., LONG. 101°-35'-30" E., ON RIGHT BANK AT BAN TAKHRO, AMPHOE PRACHANTAKHAM, PRACHIN BURI.

DRAINAGE AREA — 121 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE OFFICE OF KGT.24 STATION.

ELEVATION — +8.365 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1971 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1971 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE WITH VARIABLE WATER SURFACE SLOPE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

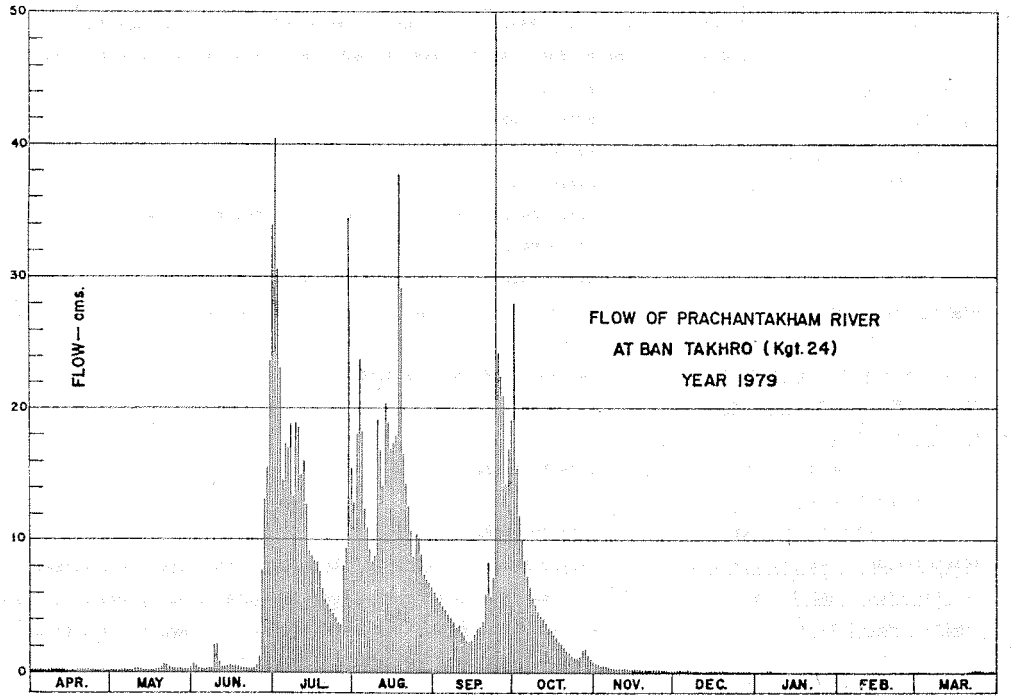
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 142 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY PRACHANTAKHAM DAM.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.54	0.60	0.96	3.70	2.39	1.83	3.40	0.99	0.58	0.51	0.49	0.47	
2	0.54	0.61	0.90	4.12	2.65	1.78	2.53	0.96	0.57	0.50	0.49	0.47	
3	0.54	0.62	0.84	3.10	3.13	1.77	2.33	0.92	0.57	0.50	0.49	0.47	
4	0.54	0.63	0.80	3.09	2.84	1.74	2.15	0.90	0.56	0.50	0.49	0.47	
5	0.54	0.60	0.78	2.52	2.37	1.70	2.03	0.88	0.56	0.51	0.49	0.46	
6	0.54	0.58	0.75	2.59	2.25	1.67	1.94	0.86	0.56	0.51	0.49	0.46	
7	0.54	0.58	0.75	2.54	2.10	1.63	1.86	0.83	0.55	0.51	0.49	0.46	
8	0.54	0.57	0.75	2.81	2.04	1.60	1.80	0.81	0.55	0.50	0.50	0.46	
9	0.54	0.57	1.32	2.42	2.10	1.58	1.75	0.80	0.54	0.50	0.51	0.45	
10	0.54	0.58	1.38	2.81	2.82	1.60	1.70	0.78	0.54	0.50	0.50	0.45	
11	0.55	0.67	1.00	2.78	2.58	1.54	1.67	0.77	0.53	0.50	0.50	0.45	
12	0.55	0.70	0.88	2.54	2.46	1.51	1.64	0.75	0.53	0.50	0.49	0.45	
13	0.55	0.72	0.90	2.62	2.91	1.43	1.62	0.73	0.53	0.50	0.49	0.46	
14	0.55	0.68	0.94	2.22	2.77	1.38	1.59	0.71	0.53	0.50	0.50	0.46	
15	0.55	0.67	0.95	2.10	2.67	1.39	1.54	0.72	0.53	0.50	0.51	0.47	
16	0.55	0.65	0.88	2.07	2.71	1.48	1.51	0.69	0.53	0.50	0.51	0.48	
17	0.55	0.64	0.92	2.03	2.75	1.56	1.46	0.68	0.52	0.50	0.50	0.55	
18	0.55	0.63	0.86	2.04	3.97	1.57	1.41	0.66	0.52	0.50	0.49	0.54	
19	0.55	0.63	0.84	1.92	3.01	1.61	1.39	0.65	0.52	0.50	0.48	0.53	
20	0.56	0.83	0.82	1.85	2.56	1.80	1.33	0.63	0.52	0.50	0.48	0.55	
21	0.56	0.99	0.84	1.78	2.50	2.03	1.27	0.64	0.52	0.50	0.48	0.58	
22	0.55	0.93	0.85	1.74	2.24	1.79	1.22	0.63	0.52	0.49	0.47	0.58	
23	0.54	0.84	0.84	1.71	2.10	1.94	1.19	0.62	0.52	0.50	0.47	0.63	
24	0.55	0.82	0.82	1.67	2.01	4.77	1.16	0.62	0.52	0.50	0.47	0.61	
25	0.57	0.79	0.94	1.64	2.21	3.18	1.14	0.61	0.51	0.50	0.46	0.58	
26	0.55	0.76	1.05	1.61	2.16	3.02	1.13	0.60	0.51	0.50	0.46	0.57	
27	0.54	0.73	1.89	1.59	2.01	2.88	1.26	0.60	0.51	0.50	0.46	0.55	
28	0.54	0.70	2.33	1.98	1.94	2.49	1.29	0.59	0.51	0.50	0.45	0.55	
29	0.56	0.70	2.58	2.06	1.89	2.67	1.19	0.59	0.50	0.50	0.46	0.55	
30	0.60	0.71	2.97	3.78	1.85	2.71	1.09	0.58	0.51	0.50		0.55	
31		0.81		2.58	1.87		1.03		0.51	0.50		0.54	
MEAN	0.55	0.69	1.11	2.39	2.45	1.99	1.60	0.73	0.53	0.50	0.49	0.51	
MAX	0.60	0.99	2.97	4.12	3.97	4.77	3.40	0.99	0.58	0.51	0.51	0.63	4.77
MIN	0.54	0.57	0.75	1.59	1.85	1.38	1.03	0.58	0.50	0.49	0.45	0.45	0.45

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.35 M (A.D.), AT 4.00 HOURS, ON SEP 24, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.37 M (A.D.)
LEFT BANK ELEVATION 8.35 M (A.D.)
RIGHT BANK ELEVATION 8.24 M (A.D.), DRAINAGE AREA 121 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.20	0.67	33.10	12.81	6.03	28.15	0.73	0.18	0.11	0.09	0.07	
2	0.14	0.21	0.55	40.35	16.55	5.48	14.78	0.67	0.17	0.10	0.09	0.07	
3	0.14	0.22	0.46	23.35	23.81	5.37	12.01	0.59	0.17	0.10	0.09	0.07	
4	0.14	0.23	0.40	23.19	19.40	5.04	9.70	0.55	0.16	0.10	0.09	0.07	
5	0.14	0.20	0.38	14.64	12.54	4.60	8.26	0.52	0.16	0.11	0.09	0.06	
6	0.14	0.18	0.35	15.65	10.95	4.33	7.24	0.49	0.16	0.11	0.09	0.06	
7	0.14	0.18	0.35	14.93	9.10	3.97	6.36	0.44	0.15	0.11	0.09	0.06	
8	0.14	0.17	0.35	18.95	8.38	3.70	5.70	0.41	0.15	0.10	0.10	0.06	
9	0.14	0.17	1.86	13.23	9.10	3.55	5.15	0.40	0.14	0.10	0.11	0.05	
10	0.14	0.18	2.19	18.95	19.10	3.70	4.60	0.38	0.14	0.10	0.10	0.05	
11	0.15	0.27	0.75	18.50	15.51	3.25	4.33	0.37	0.13	0.10	0.10	0.05	
12	0.15	0.30	0.52	14.93	13.79	3.02	4.06	0.35	0.13	0.10	0.09	0.05	
13	0.15	0.32	0.55	16.10	20.45	2.49	3.88	0.33	0.13	0.10	0.09	0.06	
14	0.15	0.28	0.63	10.56	18.35	2.19	3.62	0.31	0.13	0.10	0.10	0.06	
15	0.15	0.27	0.65	9.10	16.85	2.24	3.25	0.32	0.13	0.10	0.11	0.07	
16	0.15	0.25	0.52	8.74	17.45	2.82	3.02	0.29	0.13	0.10	0.11	0.08	
17	0.15	0.24	0.59	8.26	18.05	3.40	2.69	0.28	0.12	0.10	0.10	0.15	
18	0.15	0.23	0.49	8.38	37.72	3.47	2.36	0.26	0.12	0.10	0.09	0.14	
19	0.15	0.23	0.46	7.02	21.95	3.79	2.24	0.25	0.12	0.10	0.08	0.13	
20	0.16	0.44	0.43	6.25	15.22	5.70	1.91	0.23	0.12	0.10	0.08	0.15	
21	0.16	0.73	0.46	5.48	14.35	8.26	1.63	0.24	0.12	0.10	0.08	0.18	
22	0.15	0.61	0.47	5.04	10.82	5.59	1.43	0.23	0.12	0.09	0.07	0.18	
23	0.14	0.46	0.46	4.71	9.10	7.24	1.31	0.22	0.12	0.10	0.07	0.23	
24	0.15	0.43	0.43	4.33	8.02	52.70	1.21	0.22	0.12	0.10	0.07	0.21	
25	0.17	0.39	0.63	4.06	10.43	24.59	1.14	0.21	0.11	0.10	0.06	0.18	
26	0.15	0.36	0.87	3.79	9.82	22.11	1.10	0.20	0.11	0.10	0.06	0.17	
27	0.14	0.33	6.69	3.62	8.02	20.00	1.59	0.20	0.11	0.10	0.06	0.15	
28	0.14	0.30	12.01	7.68	7.24	14.21	1.71	0.19	0.11	0.10	0.05	0.15	
29	0.16	0.30	15.51	8.62	6.69	16.85	1.31	0.19	0.10	0.10	0.06	0.15	
30	0.20	0.31	21.35	34.46	6.25	17.45	0.97	0.18	0.11	0.10		0.15	
31		0.41		15.51	6.47		0.82		0.11	0.10		0.14	
TOTAL	4.47	9.40	72.03	421.48	434.29	267.14	147.53	10.25	4.08	3.13	2.47	3.45	1379.72 CMSDAY
MEAN	0.15	0.30	2.40	13.60	14.01	8.90	4.76	0.34	0.13	0.10	0.09	0.11	3.77 CMS
MAX	0.20	0.73	21.35	40.35	37.72	52.70	28.15	0.73	0.18	0.11	0.11	0.23	52.70 CMS
MIN	0.14	0.17	0.35	3.62	6.25	2.19	0.82	0.18	0.10	0.09	0.05	0.05	0.05 CMS
RUNOFF	0.386	0.812	6.223	36.416	37.523	23.081	12.747	0.886	0.353	0.270	0.213	0.298	119.208 MCM

MOMENTARY PEAK 88.70 CMS, AT 6.35 M (A.D), AT 4.00 HOURS, ON SEP 24, 1979
RUNOFF YIELD 31.15 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 733.06 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRACHIN RIVER BASIN

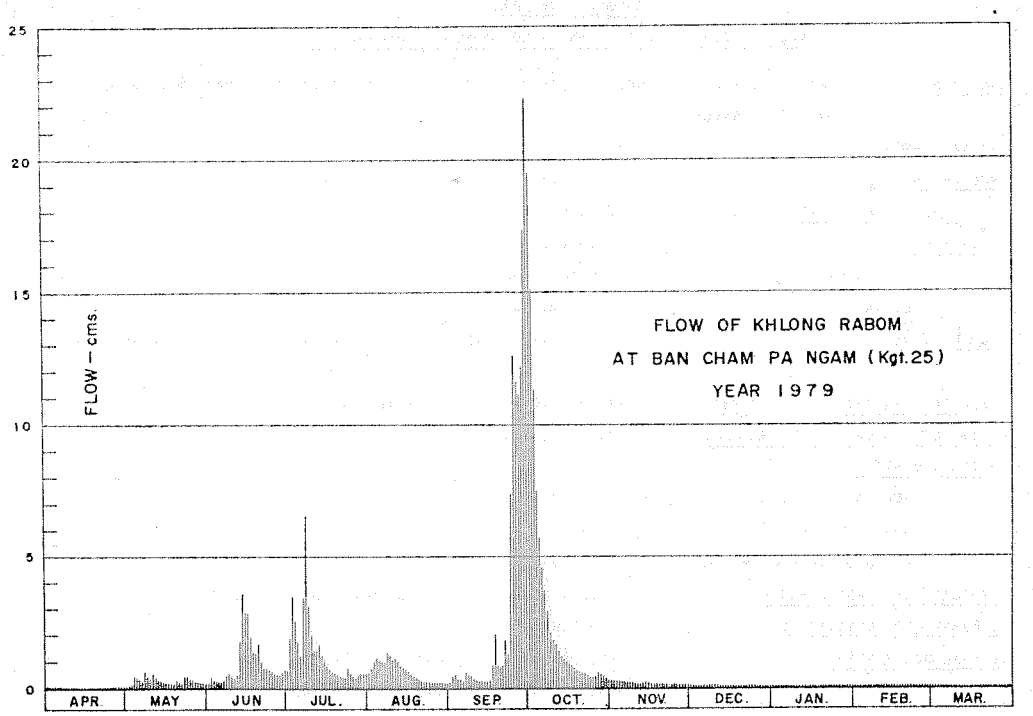
KHLONG RABOM AT BAN CHAM PA NGAM, CHACHOENGSAO (KGT.25)

LOCATION	LAT. 13°41'09" N., LONG. 101°36'32" E., ON LEFT BANK ABOUT 200 METERS FROM THE GAGE OBSERVER'S HOUSE AT BAN CHAM PA NGAM, AMPHOE SANAM CHAI KHET, CHACHOENGSAO.
DRAINAGE AREA	243 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	B.M.1 ON LEFT BANK NEAR THE GAGE SITE, B.M.2 INFRONT OF THE OBSERVER'S HOUSE.
ELEVATION	B.M.1=+4.877 M. (A.D.), B.M.2=+8.490 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +4.78 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 98 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.24	0.50	0.93	0.91	0.52	5.33	0.58	0.40	0.33	0.30	0.25	
2	0.30	0.24	0.73	1.42	0.98	0.69	4.66	0.58	0.40	0.33	0.29	0.28	
3	0.29	0.44	0.63	2.51	1.27	0.71	3.97	0.56	0.39	0.35	0.29	0.27	
4	0.29	0.76	0.55	2.09	1.39	0.63	3.43	0.54	0.39	0.33	0.29	0.27	
5	0.29	0.68	0.52	1.70	1.33	0.64	3.02	0.53	0.39	0.34	0.29	0.31	
6	0.28	0.61	0.51	1.39	1.28	0.61	2.67	0.52	0.39	0.33	0.29	0.31	
7	0.28	0.57	0.55	1.94	1.24	0.91	2.38	0.51	0.38	0.33	0.30	0.31	
8	0.27	0.96	0.78	3.22	1.51	0.86	2.16	0.50	0.38	0.33	0.30	0.31	
9	0.27	0.75	0.85	2.32	1.46	0.72	1.92	0.49	0.38	0.33	0.30	0.30	
10	0.26	0.65	0.71	1.92	1.34	0.62	1.75	0.48	0.37	0.33	0.31	0.30	
11	0.25	0.88	0.69	1.53	1.37	0.56	1.64	0.47	0.37	0.33	0.30	0.30	
12	0.24	0.70	0.83	1.54	1.28	0.53	1.53	0.46	0.37	0.33	0.30	0.29	
13	0.24	0.62	1.38	1.66	1.11	0.52	1.42	0.53	0.36	0.33	0.30	0.29	
14	0.23	0.58	2.41	1.43	1.05	0.51	1.35	0.53	0.36	0.34	0.30	0.29	
15	0.23	0.54	2.19	1.31	1.03	0.53	1.30	0.49	0.36	0.33	0.30	0.28	
16	0.23	0.52	2.17	1.14	0.91	0.60	1.22	0.48	0.35	0.32	0.30	0.29	
17	0.22	0.49	1.86	1.00	0.81	1.06	1.13	0.47	0.35	0.32	0.29	0.30	
18	0.22	0.48	1.62	0.91	0.72	1.85	1.06	0.46	0.34	0.32	0.28	0.30	
19	0.22	0.48	1.28	0.86	0.66	1.14	1.00	0.45	0.34	0.32	0.28	0.30	
20	0.21	0.63	1.67	0.76	0.61	1.12	0.92	0.44	0.34	0.32	0.27	0.29	
21	0.21	0.51	1.27	0.75	0.60	1.25	0.88	0.44	0.34	0.32	0.27	0.29	
22	0.21	0.49	1.06	0.72	0.56	1.74	0.88	0.43	0.34	0.31	0.27	0.28	
23	0.21	0.73	1.06	0.71	0.55	1.41	0.81	0.43	0.33	0.31	0.27	0.28	
24	0.20	0.71	0.97	1.08	0.54	2.56	0.75	0.43	0.33	0.31	0.27	0.27	
25	0.20	0.63	0.91	0.86	0.53	4.36	0.73	0.42	0.33	0.31	0.27	0.27	
26	0.21	0.58	0.87	0.77	0.52	4.23	0.77	0.42	0.33	0.31	0.27	0.26	
27	0.23	0.56	0.84	0.70	0.51	4.12	0.91	0.41	0.33	0.31	0.26	0.26	
28	0.24	0.51	0.82	0.81	0.51	4.26	0.80	0.41	0.33	0.31	0.26	0.25	
29	0.25	0.49	0.92	0.89	0.50	4.81	0.73	0.41	0.33	0.30	0.26	0.25	
30	0.24	0.47	1.00	0.84	0.50	5.67	0.66	0.40	0.33	0.30		0.24	
31		0.47		0.86	0.49		0.62		0.33	0.30		0.24	
MEAN	0.24	0.58	1.07	1.31	0.91	1.66	1.69	0.48	0.36	0.32	0.29	0.28	
MAX	0.30	0.96	2.41	3.22	1.51	5.67	5.33	0.58	0.40	0.35	0.31	0.31	5.67
MIN	0.20	0.24	0.50	0.70	0.49	0.51	0.62	0.40	0.33	0.30	0.26	0.24	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.75 M (A.D), AT 14.00 HOURS, ON SEP 30, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.14 M (A.D)
LEFT BANK ELEVATION 5.35 M (A.D)
RIGHT BANK ELEVATION 4.77 M (A.D), DRAINAGE AREA 243 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.20	0.63	0.61	0.22	19.57	0.28	0.10	0.03	0.00	0.00	
2	0.00	0.00	0.43	1.23	0.68	0.39	14.62	0.28	0.10	0.03	0.00	0.00	
3	0.00	0.14	0.33	3.88	1.00	0.41	10.22	0.26	0.09	0.05	0.00	0.00	
4	0.00	0.46	0.25	2.58	1.18	0.33	7.48	0.24	0.09	0.03	0.00	0.00	
5	0.00	0.38	0.22	1.75	1.09	0.34	5.73	0.23	0.09	0.04	0.00	0.01	
6	0.00	0.31	0.21	1.18	1.02	0.31	4.44	0.22	0.09	0.03	0.00	0.01	
7	0.00	0.27	0.25	2.24	0.96	0.61	3.47	0.21	0.08	0.03	0.00	0.01	
8	0.00	0.66	0.48	6.54	1.37	0.56	2.79	0.20	0.08	0.03	0.00	0.01	
9	0.00	0.45	0.55	3.29	1.29	0.42	2.19	0.19	0.08	0.03	0.00	0.00	
10	0.00	0.35	0.41	2.19	1.11	0.32	1.85	0.18	0.07	0.03	0.01	0.00	
11	0.00	0.58	0.39	1.41	1.15	0.26	1.63	0.17	0.07	0.03	0.00	0.00	
12	0.00	0.40	0.53	1.43	1.02	0.23	1.41	0.16	0.07	0.03	0.00	0.00	
13	0.00	0.32	1.17	1.67	0.81	0.22	1.23	0.23	0.06	0.03	0.00	0.00	
14	0.00	0.28	3.57	1.24	0.75	0.21	1.12	0.23	0.06	0.04	0.00	0.00	
15	0.00	0.24	2.88	1.06	0.73	0.23	1.05	0.19	0.06	0.03	0.00	0.00	
16	0.00	0.22	2.82	0.84	0.61	0.30	0.93	0.18	0.05	0.02	0.00	0.00	
17	0.00	0.19	2.07	0.70	0.51	0.76	0.83	0.17	0.05	0.02	0.00	0.00	
18	0.00	0.18	1.59	0.61	0.42	2.05	0.76	0.16	0.04	0.02	0.00	0.00	
19	0.00	0.18	1.02	0.56	0.36	0.84	0.70	0.15	0.04	0.02	0.00	0.00	
20	0.00	0.33	1.69	0.46	0.31	0.82	0.62	0.14	0.04	0.02	0.00	0.00	
21	0.00	0.21	1.00	0.45	0.30	0.98	0.58	0.14	0.04	0.02	0.00	0.00	
22	0.00	0.19	0.76	0.42	0.26	1.83	0.58	0.13	0.04	0.01	0.00	0.00	
23	0.00	0.43	0.76	0.41	0.25	1.21	0.51	0.13	0.03	0.01	0.00	0.00	
24	0.00	0.41	0.67	0.78	0.24	4.06	0.45	0.13	0.03	0.01	0.00	0.00	
25	0.00	0.33	0.61	0.56	0.23	12.59	0.43	0.12	0.03	0.01	0.00	0.00	
26	0.00	0.28	0.57	0.47	0.22	11.78	0.47	0.12	0.03	0.01	0.00	0.00	
27	0.00	0.26	0.54	0.40	0.21	11.12	0.61	0.11	0.03	0.01	0.00	0.00	
28	0.00	0.21	0.52	0.51	0.21	11.96	0.50	0.11	0.03	0.01	0.00	0.00	
29	0.00	0.19	0.62	0.59	0.20	15.67	0.43	0.11	0.03	0.00	0.00	0.00	
30	0.00	0.17	0.70	0.54	0.20	22.26	0.36	0.10	0.03	0.00		0.00	
31		0.17		0.56	0.19		0.32		0.03	0.00		0.00	
TOTAL	0.00	8.79	27.81	41.18	19.49	103.29	87.88	5.27	1.76	0.68	0.01	0.04	296.23 CMSDAY
MEAN	0.00	0.28	0.93	1.33	0.63	3.44	2.83	0.18	0.06	0.02	0.00	0.00	0.81 CMS
MAX	0.00	0.66	3.57	6.54	1.37	22.26	19.57	0.28	0.10	0.05	0.01	0.01	22.26 CMS
MIN	0.00	0.00	0.20	0.40	0.19	0.21	0.32	0.10	0.03	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.759	2.403	3.558	1.684	8.924	7.593	0.455	0.152	0.059	0.001	0.003	25.592 MCM

MOMENTARY PEAK 22.93 CMS, AT 5.75 M (A.D), AT 14.00 HOURS, ON SEP 30, 1979
RUNOFF YIELD 3.33 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 94.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

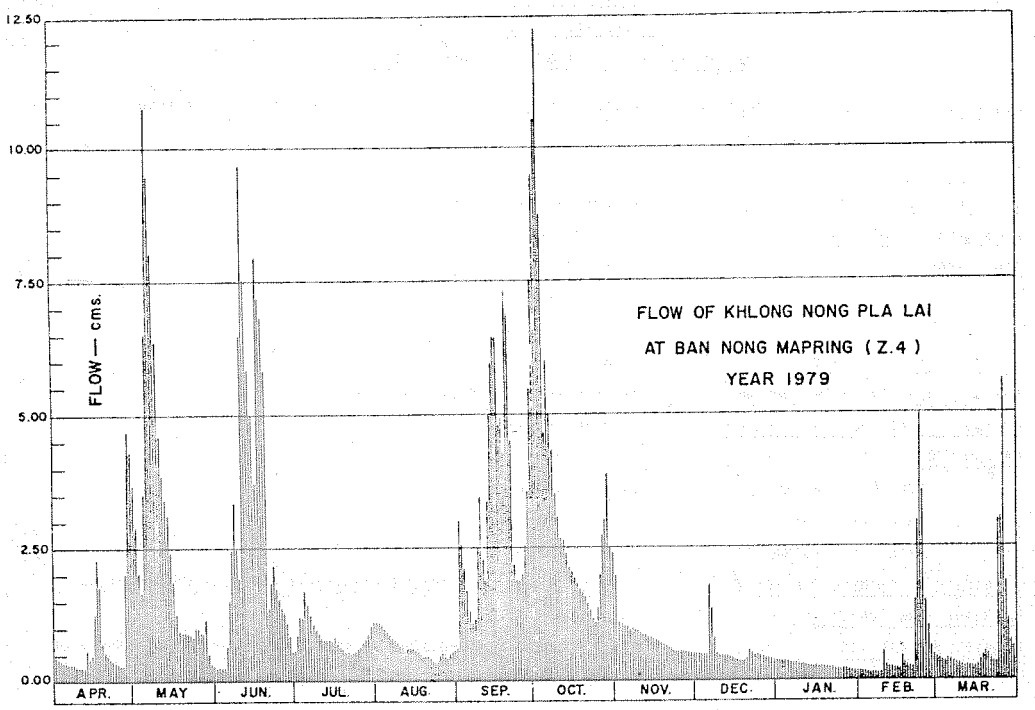
KHLONG NONG PLA LAI AT BAN NONG MAPRING, RAYONG (Z.4)

LOCATION	LAT. 12°-54'-40" N., LONG. 101°-17'-37" E., ON LEFT BANK AT BAN NONG MAPRING, AMPHOE BAN KHAI, RAYONG.
DRAINAGE AREA	429 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+5.270 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 326 DISCHARGE MEASUREMENTS MADE DURING 1972-1974.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.22	1.08	0.14	0.25	0.45	0.29	2.30	0.52	0.24	0.18	0.09	0.21	
2	0.21	0.86	0.14	0.41	0.44	0.96	2.57	0.44	0.24	0.18	0.08	0.21	
3	0.20	0.68	0.13	0.48	0.43	0.82	2.17	0.43	0.24	0.18	0.08	0.19	
4	0.18	0.59	0.13	0.47	0.41	0.74	1.30	0.42	0.24	0.17	0.08	0.17	
5	0.17	1.06	0.13	0.63	0.39	0.64	1.56	0.42	0.24	0.17	0.07	0.20	
6	0.15	1.90	0.50	0.54	0.37	0.51	1.41	0.41	0.64	0.16	0.07	0.19	
7	0.15	2.36	0.75	0.51	0.35	0.44	1.28	0.41	0.47	0.16	0.07	0.17	
8	0.15	1.95	1.04	0.44	0.33	0.46	1.14	0.40	0.26	0.15	0.07	0.16	
9	0.13	1.59	0.83	0.41	0.32	0.77	1.02	0.40	0.23	0.15	0.07	0.15	
10	0.13	1.36	0.68	0.39	0.30	1.06	0.93	0.38	0.23	0.15	0.26	0.14	
11	0.12	1.18	2.20	0.37	0.29	0.81	0.86	0.37	0.23	0.14	0.14	0.13	
12	0.11	1.08	1.82	0.34	0.27	0.67	0.87	0.37	0.22	0.14	0.13	0.13	
13	0.27	1.00	1.63	0.33	0.27	1.20	0.80	0.36	0.22	0.13	0.13	0.13	
14	0.21	0.92	1.47	0.34	0.28	1.47	0.73	0.36	0.22	0.13	0.12	0.13	
15	0.24	0.78	1.35	0.33	0.29	1.64	0.71	0.34	0.21	0.13	0.12	0.12	
16	0.43	0.66	1.11	0.36	0.26	1.64	0.68	0.34	0.20	0.12	0.11	0.12	
17	0.77	0.50	1.91	0.32	0.25	1.31	0.63	0.33	0.19	0.12	0.23	0.18	
18	0.57	0.41	1.83	0.31	0.23	1.35	0.62	0.32	0.19	0.12	0.16	0.21	
19	0.32	0.40	1.66	0.28	0.22	1.22	0.61	0.31	0.19	0.12	0.14	0.24	
20	0.25	0.39	1.55	0.26	0.22	1.80	0.57	0.30	0.21	0.12	0.12	0.25	
21	0.22	0.39	0.51	0.26	0.23	1.65	0.55	0.29	0.28	0.11	0.12	0.19	
22	0.19	0.38	0.63	0.25	0.20	0.98	0.51	0.28	0.24	0.11	0.57	0.17	
23	0.17	0.37	0.75	0.24	0.18	0.75	0.46	0.27	0.24	0.10	1.00	0.16	
24	0.16	0.36	0.64	0.26	0.17	0.68	0.44	0.27	0.24	0.10	1.36	0.95	
25	0.15	0.42	0.58	0.29	0.20	0.66	0.56	0.26	0.23	0.10	0.90	0.96	
26	0.15	0.40	0.53	0.30	0.25	0.70	0.81	0.26	0.22	0.12	0.54	1.49	
27	0.14	0.38	0.51	0.32	0.23	0.86	0.96	0.25	0.21	0.10	0.42	0.66	
28	0.91	0.46	0.45	0.35	0.21	1.17	1.06	0.25	0.20	0.10	0.29	0.45	
29	1.30	0.31	0.37	0.38	0.24	1.72	1.14	0.25	0.20	0.09	0.23	0.33	
30	1.22	0.18	0.26	0.41	0.26	2.12	0.82	0.25	0.19	0.09		0.29	
31		0.15		0.45	0.27		0.78		0.19	0.09		0.27	
MEAN	0.32	0.79	0.87	0.36	0.28	1.04	1.00	0.34	0.24	0.13	0.27	0.30	
MAX	1.30	2.36	2.20	0.63	0.45	2.12	2.57	0.52	0.64	0.18	1.36	1.49	2.57
MIN	0.11	0.15	0.13	0.24	0.17	0.29	0.44	0.25	0.19	0.09	0.07	0.12	0.07

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.66 M (A.D.), AT 6.00 HOURS, ON OCT 2, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.25 M (A.D.)
LEFT BANK ELEVATION 3.02 M (A.D.)
RIGHT BANK ELEVATION 4.02 M (A.D.), DRAINAGE AREA 429 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	3.60	0.28	0.52	1.12	0.62	10.35	1.37	0.50	0.36	0.18	0.42	
2	0.42	2.64	0.28	0.98	1.09	3.04	12.36	1.09	0.50	0.36	0.16	0.42	
3	0.40	1.93	0.26	1.23	1.05	2.48	9.50	1.05	0.50	0.36	0.16	0.38	
4	0.36	1.61	0.26	1.19	0.98	2.16	4.70	1.02	0.50	0.34	0.16	0.34	
5	0.34	3.50	0.26	1.75	0.92	1.79	6.03	1.02	0.50	0.34	0.14	0.40	
6	0.30	7.90	1.30	1.44	0.86	1.33	5.25	0.98	1.79	0.32	0.14	0.38	
7	0.30	10.77	2.20	1.33	0.80	1.09	4.60	0.98	1.19	0.32	0.14	0.34	
8	0.30	8.17	3.40	1.09	0.74	1.16	3.90	0.95	0.55	0.30	0.14	0.32	
9	0.26	6.19	2.52	0.98	0.71	2.28	3.30	0.95	0.47	0.30	0.14	0.30	
10	0.26	5.00	1.93	0.92	0.65	3.50	2.92	0.89	0.47	0.30	0.55	0.28	
11	0.24	4.10	9.70	0.86	0.62	2.44	2.64	0.86	0.47	0.28	0.28	0.26	
12	0.22	3.60	7.46	0.77	0.57	1.89	2.68	0.86	0.45	0.28	0.26	0.26	
13	0.57	3.20	6.41	0.74	0.57	4.20	2.40	0.83	0.45	0.26	0.26	0.26	
14	0.42	2.88	5.55	0.77	0.60	5.55	2.12	0.83	0.45	0.26	0.24	0.26	
15	0.50	2.32	4.95	0.74	0.62	6.47	2.04	0.77	0.42	0.26	0.24	0.24	
16	1.05	1.86	3.75	0.83	0.55	6.47	1.93	0.77	0.40	0.24	0.22	0.24	
17	2.28	1.30	7.95	0.71	0.52	4.75	1.75	0.74	0.38	0.24	0.47	0.36	
18	1.54	0.98	7.51	0.68	0.47	4.95	1.72	0.71	0.38	0.24	0.32	0.42	
19	0.71	0.95	6.58	0.60	0.45	4.30	1.68	0.68	0.38	0.24	0.28	0.50	
20	0.52	0.92	5.97	0.55	0.45	7.35	1.54	0.65	0.42	0.24	0.24	0.52	
21	0.45	0.92	1.33	0.55	0.47	6.52	1.47	0.62	0.60	0.22	0.24	0.38	
22	0.38	0.89	1.75	0.52	0.40	3.12	1.33	0.60	0.50	0.22	1.54	0.34	
23	0.34	0.86	2.20	0.50	0.36	2.20	1.16	0.57	0.50	0.20	3.20	0.32	
24	0.32	0.83	1.79	0.55	0.34	1.93	1.09	0.57	0.50	0.20	5.00	3.00	
25	0.30	1.02	1.58	0.62	0.40	1.86	1.51	0.55	0.47	0.20	2.80	3.04	
26	0.30	0.95	1.40	0.65	0.52	2.00	2.44	0.55	0.45	0.24	1.44	5.65	
27	0.28	0.89	1.33	0.71	0.47	2.64	3.04	0.52	0.42	0.20	1.02	1.86	
28	2.84	1.16	1.12	0.80	0.42	4.05	3.50	0.52	0.40	0.20	0.62	1.12	
29	4.70	0.68	0.86	0.89	0.50	6.91	3.90	0.52	0.40	0.18	0.47	0.74	
30	4.30	0.36	0.55	0.98	0.55	9.18	2.48	0.52	0.38	0.18		0.62	
31		0.30		1.12	0.57		2.32		0.38	0.18		0.57	
TOTAL	25.65	82.28	92.43	26.57	19.34	108.23	107.65	23.54	16.17	8.06	21.05	24.54	555.51 CMSDAY
MEAN	0.85	2.65	3.08	0.86	0.62	3.61	3.47	0.78	0.52	0.26	0.73	0.79	1.52 CMS
MAX	4.70	10.77	9.70	1.75	1.12	9.18	12.36	1.37	1.79	0.36	5.00	5.65	12.36 CMS
MIN	0.22	0.30	0.26	0.50	0.34	0.62	1.09	0.52	0.38	0.18	0.14	0.24	0.14 CMS
RUNOFF	2.216	7.109	7.986	2.296	1.671	9.351	9.301	2.034	1.397	0.696	1.819	2.120	47.996 MCM

MOMENTARY PEAK 13.20 CMS, AT 2.66 M (A.D), AT 6.00 HOURS, ON OCT 2, 1979
RUNOFF YIELD 3.54 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 30.77 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

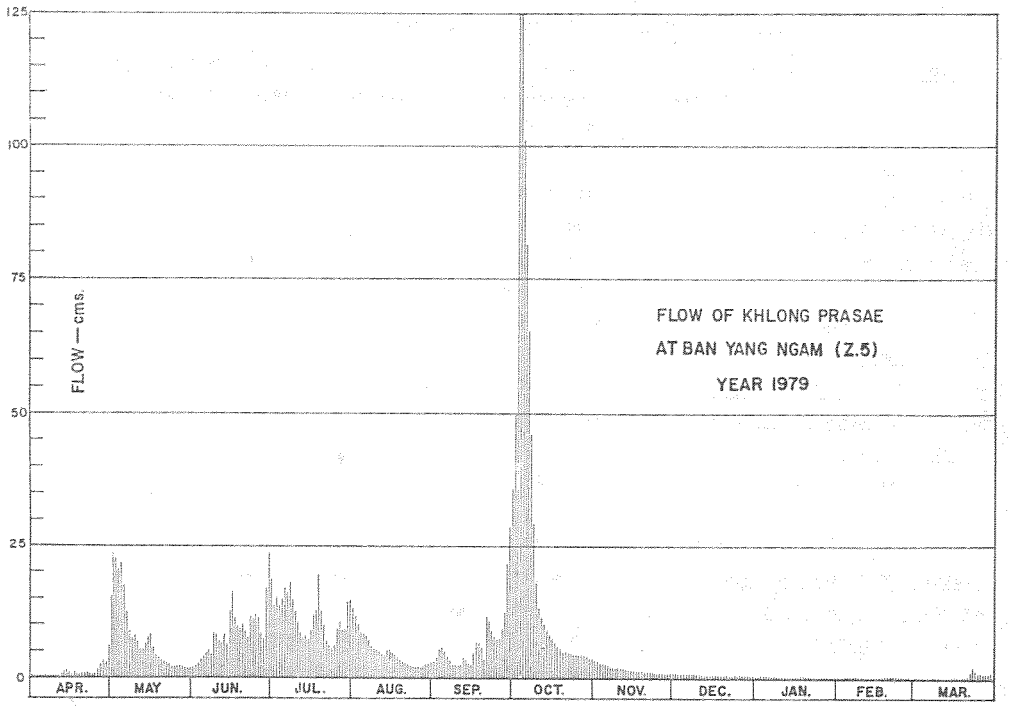
KHLONG PRASAE AT BAN YANG NGAM, RAYONG (Z.5)

LOCATION	LAT. 12°-53'-03" N., LONG. 101°-35'-58" E., ON LEFT BANK AT BAN YANG NGAM, AMPHOE KLAENG, RAYONG.
DRAINAGE AREA	1,164 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF Z.5 STATION OFFICE.
ELEVATION	+7.595 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1967 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 79 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.66	2.17	0.99	3.10	2.64	1.25	4.42	1.28	0.84	0.75	0.71	0.73	
2	0.65	3.46	1.07	2.56	2.50	1.35	5.16	1.25	0.84	0.75	0.71	0.72	
3	0.65	3.24	1.13	2.75	2.26	1.62	6.86	1.20	0.83	0.75	0.71	0.71	
4	0.65	3.18	1.21	2.61	2.03	1.68	7.08	1.17	0.83	0.75	0.71	0.70	
5	0.64	3.27	1.37	2.69	2.04	1.60	6.73	1.14	0.83	0.74	0.71	0.70	
6	0.64	2.80	1.49	2.94	1.91	1.42	6.25	1.11	0.83	0.74	0.71	0.69	
7	0.64	2.35	1.53	2.87	1.82	1.24	5.60	1.10	0.82	0.73	0.71	0.69	
8	0.64	1.83	1.39	3.01	1.68	1.16	4.43	1.07	0.82	0.73	0.71	0.69	
9	0.64	1.57	2.00	2.66	1.62	1.12	3.27	1.05	0.82	0.73	0.70	0.68	
10	0.65	1.61	2.02	2.57	1.55	1.14	2.82	1.03	0.81	0.73	0.70	0.68	
11	0.64	1.86	1.74	2.30	1.53	1.14	2.56	1.02	0.81	0.73	0.70	0.68	
12	0.64	1.60	1.75	2.02	1.46	1.38	2.36	1.00	0.80	0.73	0.70	0.67	
13	0.63	1.61	1.99	1.94	1.43	1.32	2.23	0.99	0.80	0.73	0.70	0.67	
14	0.79	1.72	1.73	1.97	1.56	1.22	2.10	0.98	0.79	0.73	0.70	0.67	
15	0.89	1.90	2.15	1.83	1.60	1.14	1.97	0.96	0.79	0.73	0.70	0.66	
16	0.83	1.96	2.83	1.96	1.48	1.55	1.87	0.96	0.78	0.73	0.70	0.66	
17	0.79	1.58	2.33	2.41	1.37	1.80	1.78	0.94	0.78	0.73	0.69	0.65	
18	0.89	1.37	2.21	2.38	1.30	1.80	1.69	0.93	0.78	0.73	0.69	0.68	
19	0.85	1.27	2.17	3.10	1.24	1.75	1.62	0.92	0.78	0.73	0.69	0.67	
20	0.85	1.28	2.26	2.50	1.20	1.29	1.55	0.91	0.78	0.72	0.72	0.66	
21	0.82	1.19	2.00	2.16	1.16	2.39	1.53	0.91	0.77	0.72	0.72	0.65	
22	0.86	1.18	1.88	1.91	1.14	2.35	1.50	0.90	0.77	0.72	0.71	0.81	
23	0.82	1.11	2.41	1.73	1.11	2.05	1.49	0.89	0.77	0.72	0.71	1.07	
24	0.84	1.08	2.34	1.60	1.09	1.96	1.47	0.89	0.77	0.72	0.71	0.96	
25	0.80	1.09	2.44	1.70	1.07	1.83	1.46	0.88	0.77	0.72	0.71	0.88	
26	0.95	1.08	2.32	2.12	1.05	1.91	1.45	0.87	0.76	0.72	0.70	0.84	
27	1.14	1.10	2.02	2.27	1.04	2.25	1.43	0.86	0.76	0.72	0.69	0.82	
28	1.21	1.07	1.89	2.10	1.11	2.60	1.40	0.86	0.76	0.72	0.75	0.81	
29	1.18	1.03	2.91	2.11	1.15	3.30	1.37	0.85	0.75	0.72	0.74	0.81	
30	1.60	0.99	3.39	2.64	1.17	3.93	1.34	0.85	0.75	0.72		0.86	
31		0.97		2.73	1.17		1.30		0.75	0.72		1.01	
MEAN	0.82	1.73	1.97	2.36	1.50	1.75	2.84	0.99	0.79	0.73	0.71	0.75	
MAX	1.60	3.46	3.39	3.10	2.64	3.93	7.08	1.28	0.84	0.75	0.75	1.07	7.08
MIN	0.63	0.97	0.99	1.60	1.04	1.12	1.30	0.85	0.75	0.72	0.69	0.65	0.63

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.15 M (A.D.), AT 6.00 HOURS, ON OCT 4, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED M (A.D.)
LEFT BANK ELEVATION 11.10 M (A.D.)
RIGHT BANK ELEVATION 7.20 M (A.D.), DRAINAGE AREA 1164 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	9.56	1.74	19.33	13.80	3.30	35.43	3.48	0.90	0.45	0.25	0.35	
2	0.10	23.47	2.22	13.04	12.50	3.90	49.20	3.30	0.90	0.45	0.25	0.30	
3	0.10	21.21	2.58	14.90	10.34	5.04	118.70	3.00	0.85	0.45	0.25	0.25	
4	0.10	20.51	3.06	13.50	8.44	5.96	135.40	2.82	0.85	0.45	0.25	0.20	
5	0.08	21.52	4.02	14.30	8.52	5.40	110.02	2.64	0.85	0.40	0.25	0.20	
6	0.08	15.40	4.74	16.99	7.57	4.32	84.30	2.46	0.85	0.40	0.25	0.18	
7	0.09	11.15	4.98	16.10	6.94	3.24	60.30	2.40	0.80	0.35	0.25	0.18	
8	0.08	7.01	4.14	18.01	5.96	2.76	35.59	2.22	0.80	0.35	0.25	0.18	
9	0.09	5.22	8.20	14.00	5.54	2.52	21.52	2.10	0.80	0.35	0.20	0.16	
10	0.10	5.47	8.36	13.13	5.10	2.64	15.60	1.98	0.75	0.35	0.20	0.16	
11	0.08	7.22	6.38	10.70	4.98	2.64	13.04	1.92	0.75	0.35	0.20	0.16	
12	0.08	5.40	6.45	8.36	4.56	4.08	11.24	1.80	0.70	0.35	0.20	0.14	
13	0.06	5.47	8.13	7.78	4.38	3.72	10.07	1.74	0.70	0.35	0.20	0.14	
14	0.65	6.24	6.31	7.99	5.16	3.12	9.00	1.68	0.65	0.35	0.20	0.14	
15	1.15	7.50	9.40	7.01	5.40	2.64	7.99	1.56	0.65	0.35	0.20	0.12	
16	0.85	7.92	15.70	7.92	4.68	5.10	7.29	1.56	0.60	0.35	0.20	0.12	
17	0.65	5.28	10.97	11.69	4.02	6.80	6.66	1.44	0.60	0.35	0.18	0.10	
18	1.15	4.02	9.89	11.42	3.60	6.80	6.03	1.38	0.60	0.35	0.18	0.16	
19	0.95	3.42	9.56	19.33	3.24	6.45	5.54	1.32	0.60	0.35	0.18	0.14	
20	0.95	3.48	10.24	12.50	3.00	3.54	5.10	1.26	0.60	0.30	0.30	0.12	
21	0.80	2.94	9.20	9.48	2.76	11.51	4.98	1.26	0.55	0.30	0.30	0.10	
22	1.00	2.88	7.36	7.57	2.64	11.15	4.80	1.20	0.55	0.30	0.25	0.75	
23	0.80	2.46	11.69	6.31	2.46	8.60	4.74	1.15	0.55	0.30	0.25	2.22	
24	0.90	2.28	11.06	5.40	2.34	7.92	4.62	1.15	0.55	0.30	0.25	1.56	
25	0.70	2.34	11.96	6.10	2.22	7.01	4.56	1.10	0.55	0.30	0.25	1.10	
26	1.50	2.28	10.88	9.16	2.10	7.57	4.50	1.05	0.50	0.30	0.20	0.90	
27	2.64	2.40	8.36	10.43	2.04	10.25	4.38	1.00	0.50	0.30	0.18	0.80	
28	3.06	2.22	7.43	9.00	2.46	13.40	4.20	1.00	0.50	0.30	0.45	0.75	
29	2.88	1.98	16.55	9.08	2.70	21.83	4.02	0.95	0.45	0.30	0.40	0.75	
30	5.40	1.74	22.75	13.80	2.82	28.39	3.84	0.95	0.45	0.30		1.00	
31		1.62		14.70	2.82		3.60		0.45	0.30		1.86	
TOTAL	27.17	221.61	253.41	359.03	155.09	212.10	796.26	52.87	20.40	10.75	6.97	15.29	2130.95 CMSDAY
MEAN	0.91	7.15	8.45	11.58	5.00	7.07	25.69	1.76	0.66	0.35	0.24	0.49	5.82 CMS
MAX	5.40	23.47	22.75	19.33	13.80	28.39	135.40	3.48	0.90	0.45	0.45	2.22	135.40 CMS
MIN	0.06	1.62	1.74	5.40	2.04	2.52	3.60	0.95	0.45	0.30	0.18	0.10	0.06 CMS
RUNOFF	2.347	19.147	21.895	31.020	13.400	18.325	68.797	4.568	1.763	0.929	0.602	1.321	184.114 MCM

MOMENTARY PEAK 141.10 CMS, AT 7.15 M (A.D), AT 6.00 HOURS, ON OCT. 4, 1979

RUNOFF YIELD 5.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 121.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

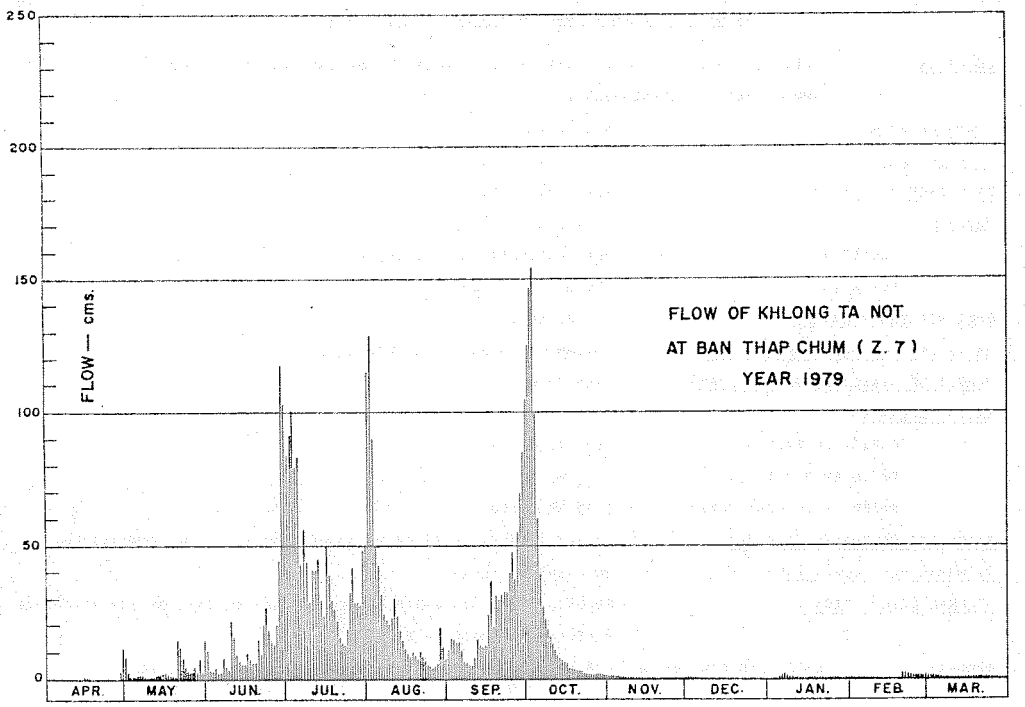
KHLONG TA NOT AT BAN THAP CHUM, CHANTHABURI (Z.7)

LOCATION	LAT. 12°47'56" N., LONG. 101°54'32" E., ON RIGHT BANK ABOUT 9 KILOMETERS FROM THE ENTRANCE OF NIKHOM DONG THAP AND ABOUT 14 KILOMETERS UPSTREAM FROM NONG KHLA MARKET, BAN THAP CHUM, AMPHOE THA MAI, CHANTHABURI.
DRAINAGE AREA	1,318 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+2.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+8.953 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1974
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1974
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 819 DISCHARGE MEASUREMENTS MADE DURING 1965-1970.

GAGE HEIGHT IN METER (A.D). WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.09	3.35	3.81	7.09	8.00	4.27	7.95	3.05	2.68	2.61	2.67	2.99	
2	2.07	3.09	3.39	7.26	8.32	4.43	8.73	3.03	2.67	2.61	2.67	2.97	
3	2.06	2.97	3.32	7.59	7.12	4.35	8.93	3.00	2.67	2.62	2.66	2.95	
4	2.05	2.93	3.46	6.99	5.99	4.32	8.19	2.97	2.67	2.68	2.65	2.91	
5	2.02	2.93	3.31	7.10	5.57	4.31	6.49	2.96	2.67	3.03	2.62	2.89	
6	2.00	3.02	3.28	5.93	5.29	3.96	5.59	2.93	2.68	3.14	2.62	2.87	
7	2.00	3.00	3.24	5.73	4.92	3.74	5.12	2.91	2.68	3.22	2.64	2.85	
8	2.00	2.91	3.52	6.21	4.82	3.67	4.81	2.89	2.67	2.81	2.66	2.84	
9	2.00	2.88	3.36	5.52	4.71	3.61	4.57	2.88	2.66	2.68	2.68	2.82	
10	2.00	2.84	4.77	5.11	4.77	3.59	4.36	2.87	2.66	2.64	2.69	2.80	
11	2.00	2.83	4.41	5.65	5.25	3.89	4.20	2.86	2.65	2.67	2.68	2.79	
12	2.00	2.89	3.90	5.63	4.79	4.38	4.03	2.85	2.65	2.64	2.66	2.75	
13	2.00	3.13	3.74	5.80	4.64	4.31	3.88	2.84	2.65	2.64	2.63	2.73	
14	2.00	3.12	3.62	5.19	4.40	4.21	3.78	2.83	2.63	2.62	2.62	2.69	
15	2.01	3.24	3.59	4.86	4.20	4.24	3.68	2.81	2.62	2.61	2.61	2.65	
16	2.84	3.18	4.03	5.97	4.02	4.56	3.67	2.80	2.62	2.60	2.61	2.64	
17	2.69	2.99	3.78	5.57	3.87	5.50	3.55	2.78	2.61	2.60	2.59	2.65	
18	2.62	2.94	3.67	5.22	4.00	4.67	3.48	2.78	2.62	2.60	2.56	2.66	
19	2.63	2.93	3.68	5.02	3.91	5.29	3.43	2.77	2.61	2.60	2.54	2.66	
20	2.68	2.99	4.35	4.86	3.80	5.18	3.36	2.76	2.61	2.62	2.73	2.67	
21	2.68	4.36	3.92	4.53	4.07	5.24	3.33	2.75	2.63	2.63	3.24	2.66	
22	2.73	3.96	4.59	4.31	3.91	5.31	3.38	2.75	2.63	2.63	3.16	2.62	
23	2.70	3.69	5.02	4.24	3.72	5.34	3.23	2.74	2.63	2.64	3.09	2.59	
24	2.72	3.43	4.64	4.61	3.60	5.39	3.19	2.73	2.63	2.64	3.10	2.53	
25	2.71	3.35	4.29	5.34	3.53	5.93	3.16	2.72	2.62	2.65	3.10	2.51	
26	2.82	3.29	4.28	5.69	3.51	5.53	3.16	2.71	2.62	2.65	3.10	2.47	
27	2.74	3.58	4.19	5.11	3.60	6.10	3.18	2.70	2.62	2.65	3.08	2.44	
28	2.75	3.23	4.98	5.15	3.70	6.40	3.18	2.69	2.62	2.64	3.05	2.42	
29	3.41	3.84	7.30	5.08	4.66	7.12	3.19	2.71	2.62	2.64	3.02	2.39	
30	4.20	3.29	8.05	5.92	4.00	7.38	3.17	2.68	2.62	2.65		2.35	
31		4.39		7.58	3.80		3.10		2.61	2.66		2.32	
MEAN	2.47	3.25	4.20	5.67	4.66	4.87	4.42	2.82	2.64	2.69	2.78	2.68	
MAX	4.20	4.39	8.05	7.59	8.32	7.38	8.93	3.05	2.68	3.22	3.24	2.99	8.93
MIN	2.00	2.83	3.28	4.24	3.51	3.59	3.10	2.68	2.61	2.60	2.54	2.32	2.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.97 M (A.D), AT 8.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 2.00 M (A.D), RIVER BED 1.25 M (A.D)
LEFT BANK ELEVATION 10.66 M (A.D)
RIGHT BANK ELEVATION 11.45 M (A.D), DRAINAGE AREA 1318 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	3.20	7.79	83.65	116.50	13.55	114.50	1.50	0.56	0.42	0.54	1.27	
2	0.00	1.66	3.52	89.60	129.30	15.95	145.85	1.42	0.54	0.42	0.54	1.21	
3	0.00	1.21	2.96	101.15	84.70	14.75	154.85	1.30	0.54	0.44	0.52	1.15	
4	0.00	1.09	4.08	80.20	50.20	14.30	124.10	1.21	0.54	0.56	0.50	1.03	
5	0.00	1.09	2.88	94.00	39.25	14.15	65.20	1.18	0.54	1.42	0.44	0.98	
6	0.00	1.38	2.68	48.40	32.30	9.55	39.75	1.09	0.56	1.90	0.44	0.94	
7	0.00	1.30	8.14	43.25	24.90	6.97	28.90	1.03	0.56	2.32	0.48	0.90	
8	0.00	1.03	4.60	56.80	22.90	6.17	22.70	0.98	0.54	0.82	0.52	0.88	
9	0.00	0.96	3.28	38.00	20.70	5.51	18.05	0.96	0.52	0.56	0.56	0.84	
10	0.00	0.88	21.90	28.70	21.90	5.30	14.90	0.94	0.52	0.48	0.58	0.80	
11	0.00	0.86	15.65	41.25	31.50	8.73	12.50	0.92	0.50	0.54	0.56	0.78	
12	0.00	0.98	8.85	40.75	22.30	15.20	10.38	0.90	0.50	0.48	0.52	0.70	
13	0.00	1.85	6.97	45.00	19.30	14.15	8.61	0.88	0.50	0.48	0.46	0.66	
14	0.00	1.80	5.62	30.30	15.50	12.65	7.44	0.86	0.46	0.44	0.44	0.58	
15	1.03	2.44	5.30	23.70	12.50	13.10	6.28	0.82	0.44	0.42	0.42	0.50	
16	0.88	2.10	10.38	49.60	10.26	17.90	6.17	0.80	0.44	0.40	0.42	0.48	
17	0.52	1.27	7.44	39.25	8.50	37.50	4.90	0.76	0.42	0.40	0.38	0.50	
18	0.44	1.12	6.17	30.90	10.03	19.90	4.24	0.76	0.44	0.40	0.32	0.52	
19	0.46	1.09	6.28	26.90	8.97	32.30	3.84	0.74	0.42	0.40	0.28	0.52	
20	0.56	1.27	14.90	23.70	7.67	30.10	3.28	0.72	0.42	0.44	0.66	0.54	
21	0.56	14.90	9.08	17.45	10.85	31.30	3.04	0.70	0.46	0.46	2.44	0.52	
22	0.66	9.55	18.35	14.15	8.97	32.75	3.44	0.70	0.46	0.46	2.00	0.44	
23	0.60	6.39	26.90	13.10	6.73	33.50	2.38	0.68	0.46	0.48	1.66	0.38	
24	0.64	3.84	19.30	18.70	5.40	34.75	2.15	0.66	0.46	0.48	1.70	0.26	
25	0.62	3.20	13.85	33.50	4.70	48.40	2.00	0.64	0.44	0.50	1.70	0.22	
26	0.54	2.74	13.70	42.25	4.50	38.25	2.00	0.62	0.44	0.50	1.70	0.14	
27	0.68	5.20	12.37	28.70	5.40	53.50	2.10	0.60	0.44	0.50	1.62	0.08	
28	0.70	2.68	26.10	29.50	6.50	62.50	2.10	0.58	0.44	0.48	1.50	0.04	
29	3.68	8.14	91.00	28.10	19.70	84.70	2.15	0.62	0.44	0.48	1.38	0.00	
30	12.50	2.74	118.50	48.10	10.03	93.80	2.05	0.56	0.44	0.50		0.00	
31		15.35		100.80	7.67		1.70		0.42	0.52		0.00	
TOTAL	25.43	103.31	498.54	1379.45	779.63	821.18	821.55	26.13	14.86	19.10	25.28	17.86	4532.31 CMSDAY
MEAN	0.85	3.33	16.62	44.50	25.15	27.37	26.50	0.87	0.48	0.62	0.87	0.58	12.38 CMS
MAX	12.50	15.35	118.50	101.15	129.30	93.80	154.85	1.50	0.56	2.32	2.44	1.27	154.85 CMS
MIN	0.00	0.86	2.68	13.10	4.50	5.30	1.70	0.56	0.42	0.40	0.28	0.00	0.00 CMS
RUNOFF	2.197	8.926	43.074	119.184	67.360	70.950	70.982	2.258	1.284	1.650	2.184	1.543	391.592 MCM

MOMENTARY PEAK 156.65 CMS, AT 8.97 M (A.D), AT 8.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 9.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 118.85 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

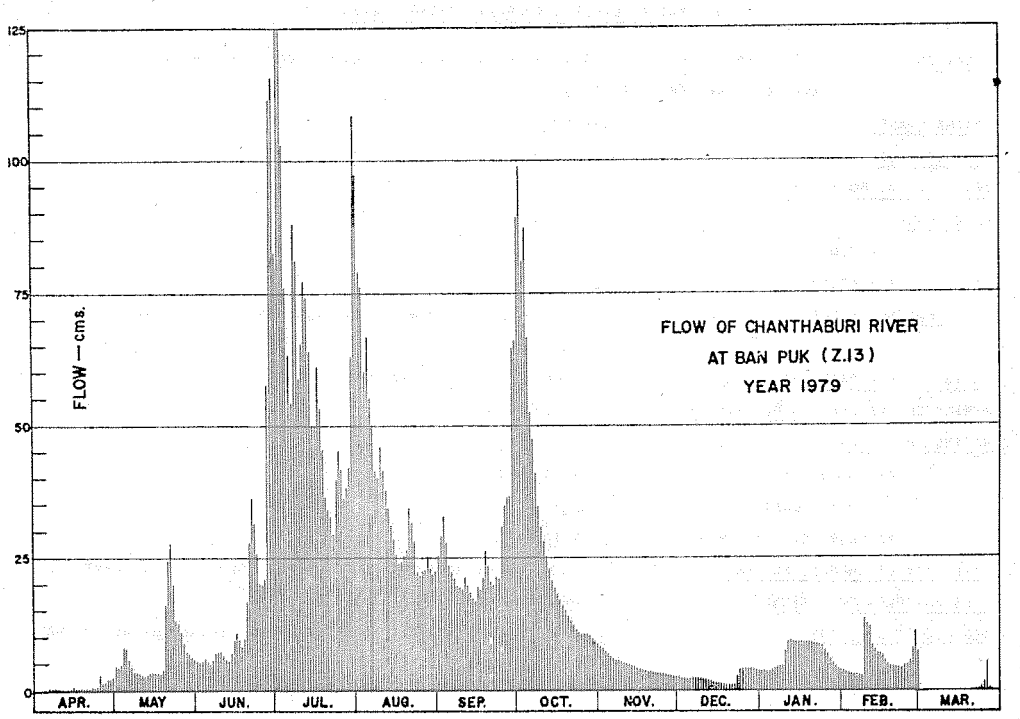
CHANTHABURI RIVER AT BAN PUK, CHANTHABURI (Z.13)

LOCATION	LAT. 12°-45'-40" N., LONG. 102°-18'-35" E., ON LEFT BANK INFRONT OF WAT BAN PUK, AMPHOE MAKHAM, CHANTHABURI.
DRAINAGE AREA	671 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR AUTOMATIC GAGE BUILDING.
ELEVATION	+8.109 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 103 DISCHARGE MEASUREMENTS MADE IN 1979.
REMARKS	ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-14,1979 AND MAR 1-20,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.25	0.61	0.66	2.99	3.42	1.39	3.19	0.78	0.48	0.57	0.57	-0.25	
2	-0.25	0.55	0.64	3.93	2.86	1.49	3.39	0.77	0.48	0.56	0.56	-0.25	
3	-0.25	0.60	0.65	4.34	2.83	1.62	2.85	0.75	0.47	0.56	0.54	-0.25	
4	-0.25	0.77	0.68	3.35	2.42	1.50	3.11	0.73	0.45	0.55	0.53	-0.25	
5	-0.25	0.77	0.64	2.75	2.59	1.35	2.47	0.71	0.49	0.56	0.53	-0.25	
6	-0.25	0.68	0.61	2.35	2.30	1.29	2.11	0.70	0.47	0.59	0.52	-0.25	
7	-0.25	0.58	0.65	2.24	2.09	1.26	1.90	0.69	0.47	0.61	0.51	-0.25	
8	-0.25	0.53	0.72	3.12	1.89	1.19	1.74	0.67	0.46	0.61	0.49	-0.25	
9	-0.25	0.54	0.74	2.93	1.83	1.20	1.62	0.66	0.46	0.60	0.98	-0.25	
10	-0.25	0.51	0.75	2.31	2.03	1.15	1.53	0.65	0.45	0.71	0.93	-0.25	
11	-0.25	0.50	0.71	2.49	1.91	1.26	1.43	0.64	0.45	0.82	0.93	-0.25	
12	-0.25	0.49	0.68	2.86	1.80	1.22	1.36	0.63	0.44	0.82	0.78	-0.25	
13	-0.25	0.52	0.66	2.76	1.73	1.17	1.30	0.62	0.43	0.82	0.76	-0.25	
14	-0.25	0.53	0.71	2.37	1.61	1.11	1.24	0.62	0.42	0.82	0.74	-0.25	
15	0.28	0.53	0.78	2.10	1.50	1.09	1.19	0.60	0.41	0.82	0.73	-0.25	
16	0.22	0.53	0.87	2.14	1.41	1.19	1.15	0.58	0.41	0.82	0.72	-0.25	
17	0.20	0.53	0.82	2.44	1.29	1.17	1.11	0.58	0.40	0.82	0.68	-0.25	
18	0.19	0.52	0.78	2.19	1.35	1.22	1.06	0.57	0.39	0.82	0.63	-0.25	
19	0.18	0.51	0.82	1.85	1.38	1.42	1.03	0.56	0.38	0.82	0.60	-0.25	
20	0.18	1.07	1.08	1.76	1.42	1.33	1.00	0.56	0.38	0.82	0.60	-0.25	
21	0.19	1.35	1.34	1.69	1.68	1.21	0.97	0.54	0.36	0.80	0.60	0.22	
22	0.23	1.46	1.73	1.57	1.57	1.21	0.93	0.54	0.45	0.80	0.60	0.21	
23	0.25	1.15	1.54	1.53	1.37	1.25	0.91	0.54	0.54	0.80	0.59	0.24	
24	0.27	0.96	1.36	1.79	1.30	1.23	0.88	0.53	0.58	0.79	0.61	0.29	
25	0.49	0.94	1.21	2.00	1.26	1.57	0.87	0.53	0.60	0.75	0.63	0.44	
26	0.40	0.85	1.20	1.81	1.29	1.69	0.87	0.52	0.59	0.73	0.66	0.73	
27	0.38	0.80	1.26	1.67	1.29	1.89	0.87	0.51	0.59	0.68	0.76	0.24	
28	0.43	0.74	2.45	1.76	1.38	1.89	0.87	0.50	0.59	0.64	0.88	0.20	
29	0.45	0.72	3.69	1.92	1.30	2.66	0.86	0.50	0.59	0.60	0.79	0.19	
30	0.45	0.70	3.78	2.42	1.24	2.55	0.82	0.49	0.57	0.58		0.20	
31		0.66		3.62	1.30		0.81		0.55	0.57		0.20	
MEAN	0.04	0.72	1.14	2.42	1.76	1.43	1.47	0.61	0.48	0.71	0.67	-0.06	
MAX	0.49	1.46	3.78	4.34	3.42	2.66	3.39	0.78	0.60	0.82	0.98	0.73	4.34
MIN	-0.25	0.49	0.61	1.53	1.24	1.09	0.81	0.49	0.36	0.55	0.49	-0.25	-0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.66 M (A.D), AT 9.00 HOURS, ON JUL 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.25 M (A.D)
LEFT BANK ELEVATION 7.82 M (A.D)
RIGHT BANK ELEVATION 6.60 M (A.D), DRAINAGE AREA 671 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	4.58	5.48	82.50	100.04	25.39	90.59	8.20	2.44	3.89	3.89	0.00	
2	0.00	3.55	5.12	122.02	77.30	28.49	98.79	7.95	2.44	3.72	3.72	0.00	
3	0.00	4.40	5.30	140.30	76.10	32.64	76.90	7.45	2.31	3.72	3.38	0.00	
4	0.00	7.95	5.84	97.15	60.36	28.80	87.31	6.95	2.05	3.55	3.21	0.00	
5	0.00	7.95	5.12	72.95	66.82	24.15	62.26	6.45	2.57	3.72	3.21	0.00	
6	0.00	5.84	4.58	57.70	55.80	22.31	49.05	6.20	2.31	4.23	3.04	0.00	
7	0.00	4.06	5.30	53.64	48.35	21.44	41.80	6.02	2.31	4.58	2.87	0.00	
8	0.00	3.21	6.70	87.72	41.47	19.42	36.52	5.66	2.18	4.58	2.57	0.00	
9	0.00	3.38	7.20	80.10	39.49	19.70	32.64	5.48	2.18	4.40	13.54	0.00	
10	0.00	2.87	7.45	56.18	46.25	18.30	29.76	5.30	2.05	6.45	12.14	0.00	
11	0.00	2.70	6.45	63.02	42.14	21.44	26.63	5.12	2.05	9.22	12.14	0.00	
12	0.00	2.57	5.84	77.30	38.50	20.28	24.46	4.94	1.92	9.22	8.20	0.00	
13	0.00	3.04	5.48	73.34	36.19	18.86	22.60	4.76	1.79	9.22	7.70	0.00	
14	0.00	3.21	6.45	58.46	32.32	17.18	20.86	4.76	1.66	9.22	7.20	0.00	
15	0.48	3.21	8.20	48.70	28.80	16.62	19.42	4.40	1.53	9.22	6.95	0.00	
16	0.12	3.21	10.52	50.10	26.01	19.42	18.30	4.06	1.53	9.22	6.70	0.00	
17	0.00	3.21	9.22	61.12	22.31	18.86	17.18	4.06	1.40	9.22	5.84	0.00	
18	0.00	3.04	8.20	51.85	24.15	20.28	15.78	3.89	1.32	9.22	4.94	0.00	
19	0.00	2.87	9.22	40.15	25.08	26.32	14.94	3.72	1.24	9.22	4.40	0.00	
20	0.00	16.06	16.34	36.85	26.32	23.53	14.10	3.72	1.24	9.22	4.40	0.00	
21	0.00	24.15	23.84	34.88	34.56	19.99	13.26	3.38	1.08	8.70	4.40	0.12	
22	0.18	27.56	36.19	31.04	31.04	19.99	12.14	3.38	2.05	8.70	4.40	0.06	
23	0.30	18.30	30.08	29.76	24.77	21.15	11.58	3.38	3.38	8.70	4.23	0.24	
24	0.42	12.98	24.46	38.17	22.60	20.57	10.78	3.21	4.06	8.45	4.58	0.54	
25	2.57	12.42	19.99	45.20	21.44	31.04	10.52	3.21	4.40	7.45	4.94	1.92	
26	1.40	10.00	19.70	38.83	22.31	34.88	10.52	3.04	4.23	6.95	5.48	6.95	
27	1.24	8.70	21.44	34.24	22.31	41.47	10.52	2.87	4.23	5.84	7.70	0.24	
28	1.79	7.20	61.50	37.18	25.08	41.47	10.52	2.70	4.23	5.12	10.78	0.00	
29	2.05	6.70	111.47	42.48	22.60	69.48	10.26	2.70	4.23	4.40	8.45	0.00	
30	2.05	6.20	115.42	60.36	20.86	65.30	9.22	2.57	3.89	4.06		0.00	
31		5.48		108.46	22.60		8.96		3.55	3.89		0.00	
TOTAL	12.60	230.60	608.10	1911.75	1183.97	808.77	918.17	139.53	77.85	207.30	175.00	10.07	6283.70 CMSDAY
MEAN	0.42	7.44	20.27	61.67	38.19	26.96	29.62	4.65	2.51	6.69	6.03	0.32	17.17 CMS
MAX	2.57	27.56	115.42	140.30	100.04	69.48	98.79	8.20	4.40	9.22	13.54	6.95	140.30 CMS
MIN	0.00	2.57	4.58	29.76	20.86	16.62	8.96	2.57	1.08	3.55	2.57	0.00	0.00 CMS
RUNOFF	1.089	19.924	52.540	165.175	102.295	69.878	79.330	12.055	6.726	17.911	15.120	0.870	542.911 MCM

MOMENTARY PEAK 154.92 CMS, AT 4.66 M (A.D), AT 9.00 HOURS, ON JUL 3, 1979

RUNOFF YIELD 25.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 230.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

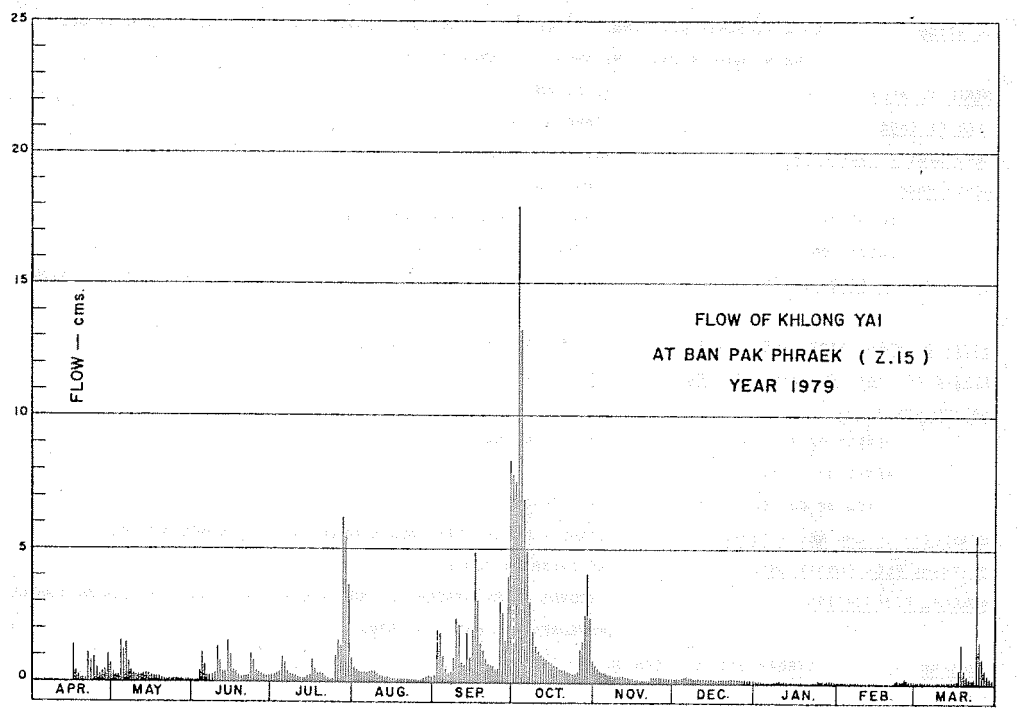
KHLONG YAI AT BAN PAK PHRAEK, RAYONG (Z.15)

LOCATION	LAT. 12°-55'-41" N., LONG. 101°-19'-30" E., ON RIGHT BANK AT BAN PAK PHRAEK, KING AMPHOE PLUAK DAENG, RAYONG.
DRAINAGE AREA	244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	-
ELEVATION	+4.715 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 66 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.43	0.80	0.49	0.68	0.99	0.77	2.67	0.99	0.65	0.55	0.56	0.53	
2	0.43	0.71	0.53	0.74	0.88	1.69	2.66	0.91	0.58	0.55	0.55	0.52	
3	0.43	0.78	0.50	0.78	0.85	1.66	3.00	0.85	0.61	0.55	0.52	0.53	
4	0.43	1.54	1.30	0.91	0.85	1.21	2.75	0.79	0.62	0.55	0.52	0.52	
5	0.43	1.34	1.03	1.23	0.82	0.91	2.55	0.74	0.72	0.54	0.52	0.52	
6	0.43	1.49	0.76	1.05	0.82	0.79	2.38	0.70	0.68	0.51	0.53	0.52	
7	0.43	1.13	0.67	0.82	0.86	0.83	2.12	0.69	0.66	0.51	0.52	0.52	
8	0.44	0.86	0.71	0.75	0.92	1.20	1.73	0.67	0.65	0.52	0.51	0.52	
9	0.44	0.77	0.80	0.73	0.79	1.86	1.48	0.66	0.64	0.55	0.47	0.51	
10	0.45	0.71	1.42	0.66	0.73	1.75	1.38	0.65	0.64	0.53	0.51	0.51	
11	0.44	0.69	1.06	0.58	0.70	1.11	1.29	0.73	0.63	0.50	0.47	0.51	
12	0.44	0.68	0.81	0.64	0.67	1.08	1.27	0.66	0.63	0.50	0.49	0.50	
13	0.45	0.80	0.91	0.58	0.62	1.67	1.20	0.66	0.62	0.50	0.47	0.50	
14	0.45	0.76	1.54	0.66	0.66	1.22	1.17	0.66	0.62	0.51	0.45	0.50	
15	0.46	0.70	1.34	0.67	0.63	1.71	1.09	0.63	0.63	0.51	0.42	0.50	
16	1.41	0.66	0.94	1.17	0.61	2.37	1.06	0.59	0.61	0.50	0.19	0.54	
17	0.87	0.63	0.80	0.97	0.58	1.98	1.04	0.58	0.60	0.51	0.45	0.75	
18	0.64	0.61	0.72	0.80	0.59	1.46	1.00	0.56	0.60	0.52	0.50	1.52	
19	0.57	0.63	0.62	0.83	0.56	1.36	0.95	0.55	0.59	0.53	0.50	1.00	
20	0.57	0.52	0.66	0.76	0.57	1.22	0.95	0.54	0.59	0.54	0.50	0.72	
21	0.59	0.52	0.68	0.69	0.60	1.08	0.93	0.56	0.59	0.55	0.51	0.68	
22	1.30	0.49	0.65	0.57	0.58	1.03	0.88	0.58	0.60	0.54	0.51	0.64	
23	1.09	0.50	1.28	0.54	0.54	1.02	0.82	0.69	0.60	0.55	0.64	0.64	
24	1.22	0.53	1.02	0.60	0.55	0.93	0.80	0.69	0.63	0.54	0.55	2.47	
25	1.02	0.54	0.84	1.28	0.54	0.94	0.85	0.68	0.61	0.56	0.56	1.55	
26	0.74	0.55	0.76	1.56	0.54	2.01	1.39	0.66	0.57	0.55	0.66	1.18	
27	0.80	0.54	0.71	1.43	0.56	1.88	1.54	0.66	0.59	0.56	0.59	0.85	
28	0.88	0.54	0.70	2.54	0.64	1.53	1.86	0.66	0.57	0.58	0.53	0.69	
29	1.28	0.52	0.67	2.44	0.68	2.33	2.24	0.60	0.57	0.58	0.53	0.60	
30	1.00	0.52	0.65	1.88	0.71	2.72	1.69	0.61	0.56	0.58		0.57	
31		0.50		1.29	0.66		1.18		0.56	0.57		0.57	
MEAN	0.69	0.73	0.85	0.99	0.69	1.44	1.55	0.67	0.61	0.54	0.51	0.73	
MAX	1.41	1.54	1.54	2.54	0.99	2.72	3.00	0.99	0.72	0.58	0.66	2.47	3.00
MIN	0.43	0.49	0.49	0.54	0.54	0.77	0.80	0.54	0.56	0.50	0.19	0.50	0.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.13 M (A.D), AT 6.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.55 M (A.D)
LEFT BANK ELEVATION 3.45 M (A.D)
RIGHT BANK ELEVATION 3.28 M (A.D), DRAINAGE AREA 244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.01	0.35	0.04	0.23	0.58	0.32	7.71	0.58	0.20	0.10	0.11	0.08	
2	0.01	0.26	0.08	0.29	0.43	1.97	7.58	0.46	0.13	0.10	0.10	0.07	
3	0.01	0.33	0.05	0.33	0.40	1.88	18.00	0.40	0.16	0.10	0.07	0.08	
4	0.01	1.58	1.10	0.46	0.40	0.92	9.00	0.34	0.17	0.10	0.07	0.07	
5	0.01	1.18	0.64	0.96	0.37	0.46	6.30	0.29	0.27	0.09	0.07	0.07	
6	0.01	1.48	0.31	0.67	0.37	0.34	4.96	0.25	0.23	0.06	0.08	0.07	
7	0.01	0.79	0.22	0.37	0.41	0.38	3.50	0.24	0.21	0.06	0.07	0.07	
8	0.02	0.41	0.26	0.30	0.45	0.90	2.09	0.22	0.20	0.07	0.06	0.07	
9	0.02	0.32	0.35	0.28	0.34	2.48	1.46	0.21	0.19	0.10	0.03	0.06	
10	0.02	0.26	1.34	0.21	0.28	2.15	1.26	0.20	0.19	0.08	0.06	0.06	
11	0.02	0.24	0.69	0.13	0.25	0.76	1.08	0.28	0.18	0.05	0.03	0.06	
12	0.02	0.23	0.36	0.19	0.22	0.72	1.04	0.21	0.18	0.05	0.04	0.05	
13	0.02	0.35	0.46	0.13	0.17	1.91	0.90	0.21	0.17	0.05	0.03	0.05	
14	0.02	0.31	1.59	0.21	0.21	0.94	0.85	0.21	0.17	0.06	0.02	0.05	
15	0.03	0.25	1.18	0.22	0.18	2.03	0.74	0.18	0.18	0.06	0.01	0.05	
16	1.32	0.21	0.51	0.85	0.16	4.89	0.69	0.14	0.16	0.05	0.00	0.09	
17	0.42	0.18	0.35	0.55	0.13	2.92	0.66	0.13	0.15	0.06	0.02	0.30	
18	0.19	0.16	0.27	0.35	0.14	1.42	0.60	0.11	0.15	0.07	0.05	1.54	
19	0.12	0.18	0.17	0.38	0.11	1.22	0.52	0.10	0.14	0.08	0.05	0.60	
20	0.12	0.07	0.21	0.31	0.12	0.94	0.52	0.09	0.14	0.09	0.05	0.27	
21	0.14	0.07	0.23	0.24	0.15	0.72	0.49	0.11	0.14	0.10	0.06	0.23	
22	1.10	0.04	0.20	0.12	0.13	0.64	0.43	0.13	0.15	0.09	0.06	0.19	
23	0.74	0.05	1.06	0.09	0.09	0.63	0.37	0.24	0.15	0.10	0.19	0.19	
24	0.94	0.08	0.63	0.15	0.10	0.49	0.35	0.24	0.18	0.09	0.10	5.59	
25	0.63	0.09	0.39	1.06	0.09	0.51	0.40	0.23	0.16	0.11	0.11	1.60	
26	0.29	0.10	0.31	1.62	0.09	3.04	1.28	0.21	0.12	0.10	0.21	0.87	
27	0.35	0.09	0.26	1.36	0.11	2.54	1.58	0.21	0.14	0.11	0.14	0.40	
28	0.43	0.09	0.25	6.20	0.19	1.56	2.48	0.21	0.12	0.13	0.08	0.24	
29	1.06	0.07	0.22	5.38	0.23	4.61	4.10	0.15	0.12	0.13	0.08	0.15	
30	0.60	0.07	0.20	2.54	0.26	8.46	1.97	0.16	0.11	0.13		0.12	
31		0.05		1.08	0.21		0.87		0.11	0.12		0.12	
TOTAL	8.69	9.94	13.92	27.26	7.40	52.75	83.78	6.74	5.07	2.69	2.05	13.46	233.75 CMSDAY
MEAN	0.29	0.32	0.46	0.88	0.24	1.76	2.70	0.22	0.16	0.09	0.07	0.43	0.64 CMS
MAX	1.32	1.58	1.58	6.20	0.58	8.46	18.00	0.58	0.27	0.13	0.21	5.59	18.00 CMS
MIN	0.01	0.04	0.04	0.09	0.09	0.32	0.35	0.09	0.11	0.05	0.00	0.05	0.00 CMS
RUNOFF	0.751	0.859	1.203	2.355	0.639	4.558	7.239	0.582	0.438	0.232	0.177	1.163	20.196 MCM

MOMENTARY PEAK 31.24 CMS, AT 3.13 M (A.D), AT 6.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 2.62 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 128.03 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

RAYONG RIVER BASIN

KHLONG RA-OK AT BAN RA-OK, RAYONG (Z.16)

LOCATION — LAT. 12°-51'-38" N., LONG. 101°-45'-41" E., ON RIGHT BANK NEAR KHAO CHUK AT BAN RA-OK, TAMBON THUNG KHWAI KIN, AMPHOE KLAENG, RAYONG.

DRAINAGE AREA — 41 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF Z.16 STATION OFFICE.

ELEVATION — +3.368 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 114 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — STREAM GAGING BEGAN ON JUN 3,1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

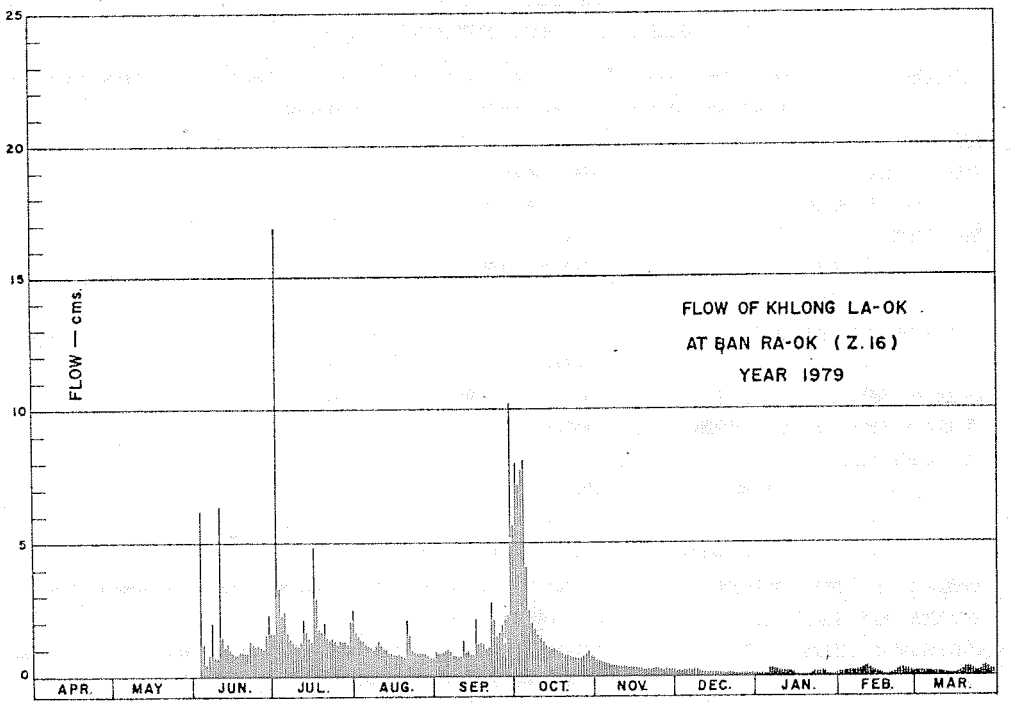
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	1.13	1.14	0.97	1.95	0.84	0.72	0.60	0.68	0.68	
2	*******	*******	*******	2.65	1.09	0.93	1.86	0.83	0.70	0.60	0.69	0.70	
3	*******	*******	1.76	1.32	1.06	0.92	1.90	0.82	0.71	0.65	0.69	0.70	
4	*******	*******	1.04	1.25	1.04	0.96	1.96	0.81	0.71	0.61	0.70	0.69	
5	*******	*******	0.79	1.27	1.03	0.98	1.46	0.80	0.73	0.72	0.70	0.66	
6	*******	*******	0.91	1.11	1.01	0.96	1.30	0.79	0.73	0.75	0.71	0.65	
7	*******	*******	1.10	1.06	1.00	0.92	1.20	0.79	0.73	0.74	0.71	0.64	
8	*******	*******	0.92	1.04	0.98	0.90	1.15	0.78	0.73	0.73	0.72	0.64	
9	*******	*******	0.87	1.03	1.02	0.89	1.10	0.78	0.73	0.72	0.73	0.64	
10	*******	*******	1.78	1.00	1.06	0.87	1.09	0.77	0.66	0.71	0.74	0.63	
11	*******	*******	1.11	1.05	1.00	1.07	1.05	0.77	0.65	0.70	0.75	0.62	
12	*******	*******	1.00	1.23	0.97	0.92	1.02	0.76	0.65	0.69	0.74	0.60	
13	*******	*******	1.04	1.17	0.97	0.97	1.00	0.76	0.65	0.69	0.71	0.60	
14	*******	*******	0.95	1.09	0.94	0.91	0.99	0.75	0.65	0.70	0.69	0.57	
15	*******	*******	0.94	1.04	0.93	0.92	0.97	0.75	0.65	0.57	0.66	0.55	
16	*******	*******	0.92	1.60	0.92	1.22	1.00	0.77	0.65	0.57	0.65	0.61	
17	*******	*******	0.89	1.37	0.91	1.04	0.95	0.75	0.65	0.55	0.65	0.61	
18	*******	*******	0.94	1.16	0.92	1.03	0.94	0.72	0.64	0.60	0.64	0.67	
19	*******	*******	0.93	1.12	0.91	1.02	0.93	0.72	0.64	0.56	0.64	0.72	
20	*******	*******	0.94	1.20	0.89	0.97	0.91	0.72	0.64	0.53	0.64	0.74	
21	*******	*******	0.94	1.10	1.21	1.02	0.89	0.72	0.64	0.56	0.63	0.74	
22	*******	*******	1.06	1.07	1.00	1.34	0.88	0.71	0.64	0.62	0.69	0.71	
23	*******	*******	1.00	1.08	0.95	1.24	0.87	0.75	0.64	0.67	0.70	0.68	
24	*******	*******	1.01	1.05	0.94	1.10	0.87	0.74	0.63	0.67	0.74	0.67	
25	*******	*******	1.02	1.03	0.94	1.13	0.87	0.71	0.63	0.69	0.74	0.68	
26	*******	*******	1.02	1.06	0.93	1.19	0.86	0.71	0.63	0.71	0.71	0.79	
27	*******	*******	1.00	1.05	0.93	1.31	0.88	0.74	0.63	0.58	0.71	0.77	
28	*******	*******	1.13	1.05	0.91	1.24	0.94	0.73	0.63	0.55	0.69	0.75	
29	*******	*******	1.25	1.03	0.89	2.16	0.97	0.72	0.63	0.60	0.67	0.73	
30	*******	*******	1.12	1.18	0.88	1.70	0.90	0.72	0.63	0.63		0.72	
31		*******		1.29	0.88		0.85		0.63	0.65		0.70	
MEAN	*******	*******	*******	1.19	0.98	1.09	1.11	0.76	0.66	0.64	0.69	0.67	
MAX	*******	*******	1.78	2.65	1.21	2.16	1.96	0.84	0.73	0.75	0.75	0.79	2.65
MIN	*******	*******	*******	1.00	0.88	0.87	0.85	0.71	0.63	0.53	0.63	0.55	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.80 M (A.D.), AT 6.00 HOURS, ON JUL 2, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED — 0.30 M (A.D.)

LEFT BANK ELEVATION — 3.62 M (A.D.)

RIGHT BANK ELEVATION — 6.58 M (A.D.), DRAINAGE AREA — 41 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	*******	*******	*******	1.65	1.70	0.99	8.05	0.57	0.25	0.05	0.17	0.17	
2	*******	*******	*******	16.90	1.46	0.85	7.17	0.54	0.20	0.05	0.18	0.20	
3	*******	*******	6.24	2.73	1.34	0.82	7.55	0.51	0.22	0.13	0.18	0.20	
4	*******	*******	1.26	2.30	1.26	0.96	8.15	0.48	0.22	0.06	0.20	0.18	
5	*******	*******	0.42	2.42	1.22	1.03	3.73	0.45	0.27	0.25	0.20	0.14	
6	*******	*******	0.78	1.55	1.14	0.96	2.60	0.42	0.27	0.33	0.22	0.13	
7	*******	*******	1.50	1.34	1.10	0.82	2.00	0.42	0.27	0.30	0.22	0.11	
8	*******	*******	0.82	1.26	1.03	0.75	1.75	0.40	0.27	0.27	0.25	0.11	
9	*******	*******	0.66	1.22	1.18	0.72	1.50	0.40	0.27	0.25	0.27	0.11	
10	*******	*******	6.42	1.10	1.34	0.66	1.46	0.37	0.14	0.22	0.30	0.10	
11	*******	*******	1.55	1.30	1.10	1.38	1.30	0.37	0.13	0.20	0.33	0.08	
12	*******	*******	1.10	2.18	0.99	0.82	1.18	0.35	0.13	0.18	0.30	0.05	
13	*******	*******	1.26	1.85	0.99	0.99	1.10	0.35	0.13	0.18	0.22	0.05	
14	*******	*******	0.92	1.46	0.89	0.78	1.06	0.33	0.13	0.20	0.18	0.03	
15	*******	*******	0.89	1.26	0.85	0.82	0.99	0.33	0.13	0.03	0.14	0.02	
16	*******	*******	0.82	4.85	0.82	2.12	1.10	0.37	0.13	0.03	0.13	0.06	
17	*******	*******	0.72	3.05	0.78	1.26	0.92	0.33	0.13	0.02	0.13	0.06	
18	*******	*******	0.89	1.80	0.82	1.22	0.89	0.25	0.11	0.05	0.11	0.15	
19	*******	*******	0.85	1.60	0.78	1.18	0.85	0.25	0.11	0.03	0.11	0.25	
20	*******	*******	0.89	2.00	0.72	0.99	0.78	0.25	0.11	0.01	0.11	0.30	
21	*******	*******	0.89	1.50	2.06	1.18	0.72	0.25	0.11	0.03	0.10	0.30	
22	*******	*******	1.34	1.38	1.10	2.86	0.69	0.22	0.11	0.08	0.18	0.22	
23	*******	*******	1.10	1.42	0.92	2.24	0.66	0.33	0.11	0.15	0.20	0.17	
24	*******	*******	1.14	1.30	0.89	1.50	0.66	0.30	0.10	0.15	0.30	0.15	
25	*******	*******	1.18	1.22	0.89	1.65	0.66	0.22	0.10	0.18	0.30	0.17	
26	*******	*******	1.18	1.34	0.85	1.95	0.63	0.22	0.10	0.22	0.22	0.42	
27	*******	*******	1.10	1.30	0.85	2.66	0.69	0.30	0.10	0.04	0.22	0.37	
28	*******	*******	1.65	1.30	0.78	2.24	0.89	0.27	0.10	0.02	0.18	0.33	
29	*******	*******	2.30	1.22	0.72	10.29	0.99	0.25	0.10	0.05	0.15	0.27	
30	*******	*******	1.60	1.90	0.69	5.70	0.75	0.25	0.10	0.10		0.25	
31		*******		2.54	0.69		0.60		0.10	0.13		0.20	
TOTAL	*******	*******	*******	70.24	31.95	52.39	62.07	10.35	4.75	3.99	5.80	5.35	******** CMSDAY
MEAN	*******	*******	*******	2.27	1.03	1.75	2.00	0.34	0.15	0.13	0.20	0.17	******* CMS
MAX	*******	*******	6.42	16.90	2.06	10.29	8.15	0.57	0.27	0.33	0.33	0.42	16.90 CMS
MIN	*******	*******	*******	1.10	0.69	0.66	0.60	0.22	0.10	0.01	0.10	0.02	******* CMS
RUNOFF	*******	*******	*******	6.069	2.760	4.526	5.363	0.894	0.410	0.345	0.501	0.462	******** MCM

MOMENTARY PEAK 19.20 CMS, AT 2.80 M (A.D), AT 6.00 HOURS, ON JUL 2, 1979

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 468.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

KHWAE NOI AT BAN LUM SUM, KANCHANABURI (K.10)

LOCATION — LAT. 14°05'40" N., LONG. 99°10'28" E., ON LEFT BANK ABOUT 100 METERS UPSTREAM FROM BAN LUM SUM RAILWAY STATION, AMPHOE SAI YOK, KANCHANABURI.

DRAINAGE AREA — 7,008 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +30.40 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE GAGE SITE.

ELEVATION — +52.057 M. (M.S.L.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 77 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

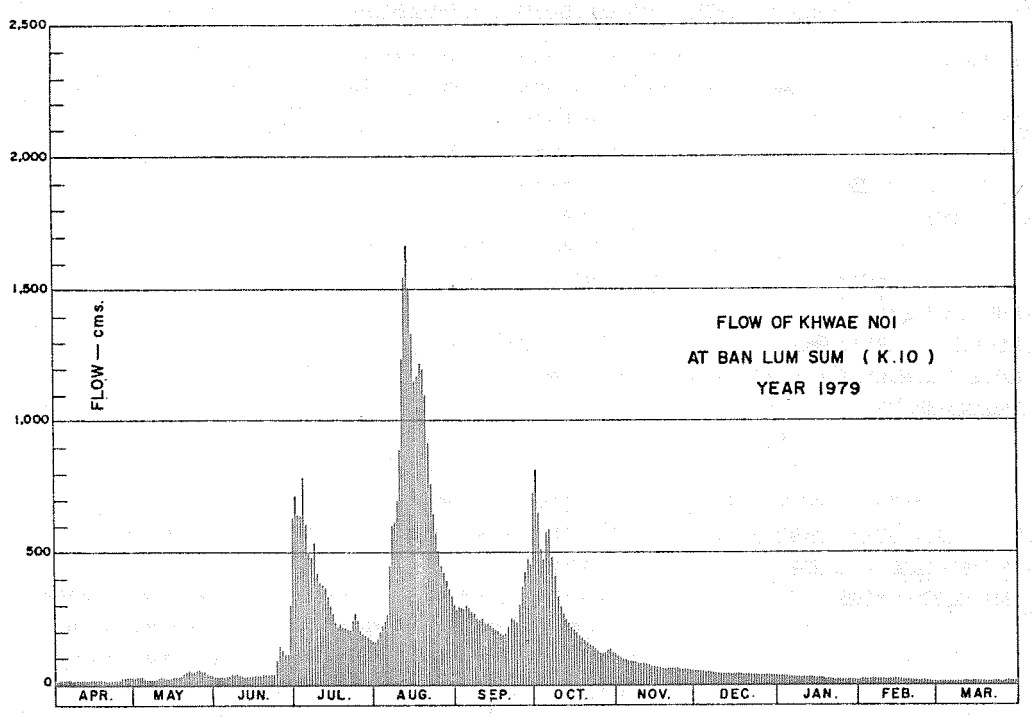
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	30.98	31.12	31.25	38.82	33.43	34.97	39.55	32.60	31.70	31.36	31.18	31.02	
2	30.98	31.12	31.23	38.33	33.64	35.07	38.47	32.52	31.69	31.35	31.17	31.02	
3	30.97	31.13	31.25	38.28	34.05	35.02	37.53	32.45	31.67	31.35	31.16	31.01	
4	30.97	31.12	31.28	39.34	34.28	34.99	36.91	32.40	31.66	31.34	31.16	31.01	
5	30.97	31.09	31.33	38.39	34.64	35.14	37.75	32.36	31.65	31.34	31.15	31.00	
6	30.97	31.06	31.42	37.08	36.99	35.00	37.91	32.31	31.63	31.33	31.14	31.00	
7	30.96	31.04	31.43	36.93	38.02	34.83	37.03	32.28	31.63	31.33	31.14	31.00	
8	30.96	31.03	31.43	37.43	38.12	34.77	36.78	32.24	31.61	31.32	31.13	30.99	
9	30.96	31.04	31.52	36.69	38.77	34.50	35.81	32.20	31.60	31.31	31.12	30.99	
10	30.95	31.14	31.33	36.07	40.09	34.52	35.37	32.17	31.58	31.30	31.12	30.99	
11	30.97	31.28	31.29	36.02	41.97	34.46	35.02	32.13	31.57	31.29	31.11	30.98	
12	30.95	31.21	31.36	35.84	43.55	34.32	34.72	32.10	31.56	31.29	31.11	30.98	
13	30.95	31.17	31.36	35.63	44.04	34.35	34.47	32.08	31.55	31.28	31.11	30.98	
14	30.95	31.15	31.39	35.30	43.25	34.16	34.25	32.05	31.53	31.28	31.13	31.01	
15	30.96	31.16	31.39	34.92	42.31	34.03	34.06	32.01	31.52	31.27	31.12	30.98	
16	30.96	31.27	31.44	34.45	41.55	33.96	33.89	31.97	31.51	31.26	31.11	31.01	
17	30.97	31.24	31.37	34.19	41.64	33.89	33.78	31.95	31.50	31.26	31.10	31.04	
18	30.98	31.26	31.37	34.21	41.87	33.77	33.61	31.93	31.49	31.25	31.09	31.04	
19	30.97	31.43	31.52	34.13	41.73	33.87	33.50	31.91	31.48	31.25	31.09	31.00	
20	30.97	31.54	31.52	34.04	41.19	33.91	33.35	31.90	31.48	31.25	31.08	30.99	
21	30.96	31.54	31.51	34.07	40.22	34.31	33.24	31.88	31.47	31.24	31.08	30.98	
22	30.95	31.67	31.45	33.91	39.32	34.54	33.13	31.86	31.46	31.23	31.07	30.97	
23	30.95	31.54	31.57	34.41	38.45	34.54	33.03	31.84	31.46	31.23	31.10	30.97	
24	30.96	31.63	32.34	34.83	37.73	34.39	32.93	31.82	31.45	31.22	31.06	31.01	
25	31.04	31.86	33.12	34.41	37.19	35.14	32.87	31.80	31.44	31.21	31.05	30.96	
26	31.14	31.68	33.00	33.91	36.68	35.87	32.80	31.78	31.43	31.21	31.05	30.96	
27	31.17	31.55	32.78	33.81	36.34	36.45	32.81	31.75	31.42	31.21	31.04	30.95	
28	31.16	31.49	32.67	33.73	36.07	36.86	32.97	31.74	31.41	31.20	31.03	30.99	
29	31.21	31.46	34.06	33.55	35.80	36.65	33.10	31.73	31.39	31.20	31.02	31.04	
30	31.13	31.35	38.23	33.48	35.49	38.98	32.86	31.71	31.38	31.19		31.04	
31		31.28		33.40	35.20		32.72		31.37	31.19		31.03	
MEAN	31.00	31.31	31.94	35.47	38.50	34.91	34.72	32.05	31.53	31.27	31.10	31.00	
MAX	31.21	31.86	38.23	39.34	44.04	38.98	39.55	32.60	31.70	31.36	31.18	31.04	44.04
MIN	30.95	31.03	31.23	33.40	33.43	33.77	32.72	31.71	31.37	31.19	31.02	30.95	30.95

ANNUAL MAX MOMENTARY GAGE HEIGHT — 44.04 M (MSL), AT 10.00 HOURS, ON AUG 13, 1979

ZERO GAGE AT BOTTOM ELEVATION — 30.40 M (MSL), RIVER BED — 28.87 M (MSL)

LEFT BANK ELEVATION — 51.95 M (MSL)

RIGHT BANK ELEVATION — 48.30 M (MSL), DRAINAGE AREA — 7008 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	13.5	21.6	29.2	716.6	168.1	288.3	822.0	110.0	55.3	35.5	25.1	15.8	
2	13.5	21.6	28.0	652.9	182.8	297.3	671.1	104.4	54.7	35.0	24.5	15.8	
3	12.9	22.2	29.2	646.4	214.0	292.8	552.6	99.5	53.6	35.0	23.9	15.2	
4	12.9	21.6	30.9	790.0	232.4	290.1	483.1	96.0	53.0	34.4	23.9	15.2	
5	12.9	19.9	33.8	660.7	261.2	304.0	579.0	93.7	52.4	34.4	23.3	14.6	
6	12.9	18.1	39.0	501.8	491.9	291.0	598.3	90.8	51.2	33.8	22.8	14.6	
7	12.3	16.9	39.6	485.3	612.6	276.4	496.3	89.0	51.2	33.8	22.8	14.6	
8	12.3	16.4	39.6	540.6	625.6	271.6	468.8	86.7	50.1	33.2	22.2	14.0	
9	12.3	16.9	44.8	458.9	710.1	250.0	370.5	84.4	49.5	32.6	21.6	14.0	
10	11.7	22.8	33.8	396.4	908.4	251.6	326.8	82.6	48.3	32.1	21.6	14.0	
11	12.9	30.9	31.5	391.4	1247.3	246.8	292.8	80.3	47.8	31.5	21.0	13.5	
12	11.7	26.8	35.5	373.5	1563.0	235.6	267.6	78.6	47.2	31.5	21.0	13.5	
13	11.7	24.5	35.5	352.6	1670.8	238.0	247.6	77.4	46.6	30.9	21.0	13.5	
14	11.7	23.3	37.3	319.9	1498.5	222.8	230.0	75.7	45.4	30.9	22.2	15.2	
15	12.3	23.9	37.3	283.8	1311.9	212.4	214.8	73.3	44.8	30.3	21.6	13.5	
16	12.3	30.3	40.2	246.0	1167.5	206.8	201.2	71.0	44.3	29.7	21.0	15.2	
17	12.9	28.6	36.1	225.2	1184.6	201.2	192.6	69.8	43.7	29.7	20.4	16.9	
18	13.5	29.7	36.1	226.8	1228.3	191.9	180.7	68.7	43.1	29.2	19.9	16.9	
19	12.9	39.6	44.8	220.4	1201.7	199.6	173.0	67.5	42.5	29.2	19.9	14.6	
20	12.9	46.0	44.8	213.2	1099.1	202.8	162.5	66.9	42.5	29.2	19.3	14.0	
21	12.3	46.0	44.3	215.6	929.2	234.8	154.8	65.8	41.9	28.6	19.3	13.5	
22	11.7	53.6	40.8	202.8	787.0	253.2	147.1	64.6	41.4	28.0	18.7	12.9	
23	11.7	46.0	47.8	242.8	668.5	253.2	140.1	63.5	41.4	28.0	20.4	12.9	
24	12.3	51.2	92.5	276.4	576.6	241.2	133.1	62.3	40.8	27.4	18.1	15.2	
25	16.9	64.6	146.4	242.8	513.9	304.0	128.9	61.1	40.2	26.8	17.5	12.3	
26	22.8	54.1	138.0	202.8	457.8	376.5	124.0	60.0	39.6	26.8	17.5	12.3	
27	24.5	46.6	122.6	194.8	423.2	434.1	124.7	58.2	39.0	26.8	16.9	11.7	
28	23.9	43.1	114.9	189.1	396.4	477.6	135.9	57.6	38.5	26.2	16.4	14.0	
29	26.8	41.4	214.8	176.5	369.5	454.5	145.0	57.1	37.3	26.2	15.8	16.9	
30	22.2	35.0	639.9	171.6	338.7	738.2	128.2	55.9	36.7	25.7		16.9	
31		30.9		166.0	309.9		118.4		36.1	25.7		16.4	
TOTAL	437.1	1014.1	2329.0	10983.6	23350.5	8738.3	9011.5	2272.4	1400.1	938.1	599.6	449.6	61523.8 CMSDAY
MEAN	14.6	32.7	77.6	354.3	753.2	291.3	290.7	75.7	45.2	30.3	20.7	14.5	168.1 CMS
MAX	26.8	64.6	639.9	790.0	1670.8	738.2	822.0	110.0	55.3	35.5	25.1	16.9	1670.8 CMS
MIN	11.7	16.4	28.0	166.0	168.1	191.9	118.4	55.9	36.1	25.7	15.8	11.7	11.7 CMS
RUNOFF	37.77	87.62	201.23	948.98	2017.48	754.99	778.59	196.34	120.97	81.05	51.81	38.85	5315.66 MCM

MOMENTARY PEAK 1670.80 CMS, AT 44.04 M (MSL), AT 10.00 HOURS, ON AUG 13, 1979
RUNOFF YIELD 23.99 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 238.41 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

MAE KLONG RIVER AT BAN WANG KHANAI, KANCHANABURI (K.11)

LOCATION — LAT. 13°56'55" N., LONG. 99°38'42" E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM AMPHOE THA MUANG OFFICE, AMPHOE THA MUANG, KANCHANABURI.

DRAINAGE AREA — 26,449 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +11.93 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ALONG THE GAGE LINE.

ELEVATION — +21.985 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1969, 1972 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965-1969, 1972 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

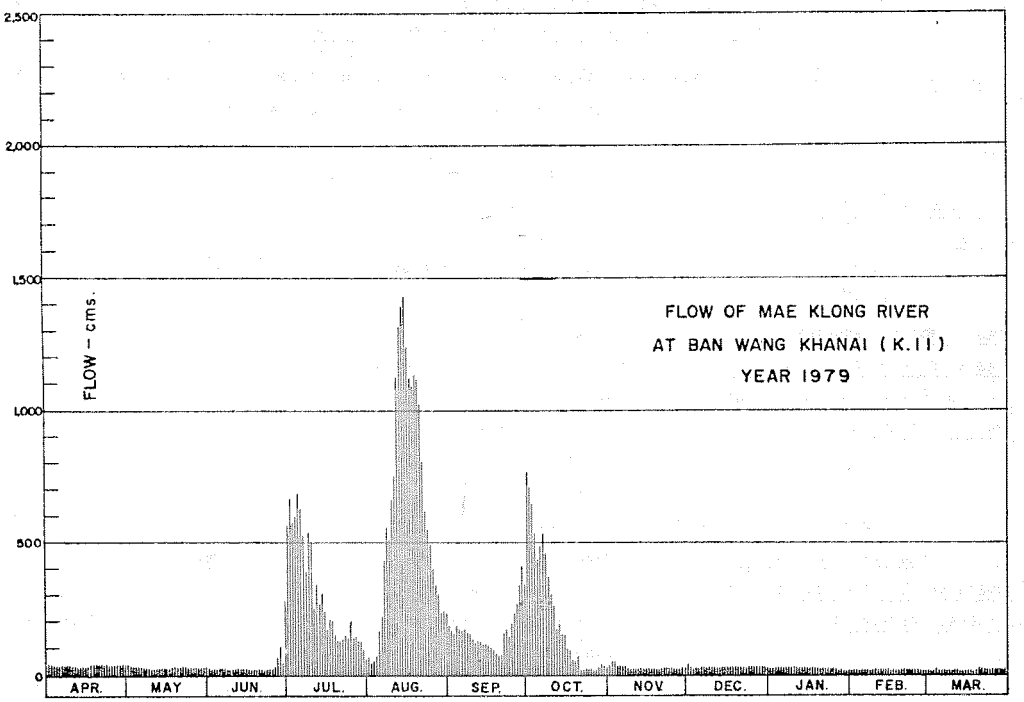
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 101 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY VACHIRALONGKORN DIVERSION DAM FOR IRRIGATION OF ABOUT 419,520 HECTARES ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.08	12.08	11.94	14.41	12.25	12.92	15.03	11.99	12.05	11.95	11.77	11.74	
2	12.07	12.04	11.91	14.73	12.11	12.80	14.85	12.20	12.00	11.95	11.77	11.74	
3	12.02	12.01	11.90	14.45	12.14	12.76	14.47	12.13	11.84	11.95	11.78	11.75	
4	12.04	12.00	11.89	14.59	12.28	12.92	14.24	12.00	11.90	11.95	11.77	11.80	
5	12.04	12.00	11.89	14.82	12.79	12.84	13.94	11.99	11.91	11.95	11.79	11.82	
6	12.04	12.00	11.88	14.60	13.04	12.81	14.12	11.98	11.95	11.94	11.79	11.78	
7	12.04	11.98	11.88	14.17	13.94	12.89	14.30	11.99	11.95	11.94	11.80	11.77	
8	12.04	11.95	11.86	13.79	14.41	12.75	13.92	11.93	11.95	11.94	11.80	11.77	
9	12.04	11.91	11.87	14.33	14.22	12.74	13.64	11.82	11.96	11.94	11.79	11.78	
10	12.04	11.91	11.87	14.19	14.55	12.65	13.37	11.87	11.98	11.94	11.79	11.78	
11	12.02	11.92	11.87	13.22	15.10	12.56	13.22	11.86	11.95	11.94	11.79	11.78	
12	12.02	11.93	11.88	13.59	15.84	12.58	12.84	11.87	11.94	11.94	11.78	11.78	
13	12.02	11.93	11.88	13.28	16.43	12.58	12.91	11.90	11.95	11.94	11.78	11.77	
14	12.02	11.94	11.88	13.46	16.62	12.52	12.73	11.92	11.95	11.94	11.78	11.74	
15	12.02	11.94	11.89	13.19	16.69	12.52	12.72	11.91	11.96	11.94	11.82	11.71	
16	12.02	11.93	11.89	12.85	16.25	12.50	12.42	11.91	11.95	11.93	11.86	11.66	
17	12.06	11.93	11.87	13.03	15.99	12.45	12.37	11.91	11.95	11.93	11.86	11.65	
18	12.07	11.98	11.87	13.01	15.90	12.41	12.17	11.92	11.96	11.93	11.84	11.67	
19	12.07	11.98	11.89	12.75	16.01	12.32	12.17	11.93	11.95	11.93	11.82	11.75	
20	12.06	11.98	11.89	12.60	15.99	12.28	12.26	11.93	11.95	11.93	11.80	11.87	
21	12.07	11.98	11.90	12.63	15.71	12.27	11.77	11.92	11.94	11.92	11.80	11.86	
22	12.06	11.99	11.89	12.63	15.15	12.78	11.66	11.92	11.95	11.91	11.80	11.83	
23	12.07	11.99	11.88	12.74	14.60	12.84	11.82	11.93	11.95	11.90	11.80	11.82	
24	12.03	11.97	11.88	12.71	14.37	12.67	11.82	11.92	11.95	11.89	11.80	11.85	
25	12.05	11.97	11.87	13.02	14.15	12.96	11.79	11.92	11.95	11.86	11.80	11.84	
26	12.07	11.97	11.90	12.65	13.82	13.13	11.71	11.92	11.95	11.84	11.76	11.83	
27	12.08	11.97	12.20	12.70	13.57	13.26	11.74	11.93	11.95	11.84	11.75	11.83	
28	12.08	11.96	12.48	12.45	13.43	13.59	11.96	11.92	11.95	11.84	11.74	11.82	
29	12.08	11.96	12.10	12.45	13.15	13.85	12.05	11.91	11.95	11.77	11.74	11.82	
30	12.08	11.95	12.69	12.44	13.17	13.60	11.99	11.91	11.95	11.71		11.82	
31		11.95		12.22	13.17		11.96		11.95	11.78		11.82	
MEAN	12.05	11.97	11.95	13.35	14.41	12.79	12.84	11.94	11.95	11.91	11.79	11.78	
MAX	12.08	12.08	12.69	14.82	16.69	13.85	15.03	12.20	12.05	11.95	11.86	11.87	16.69
MIN	12.02	11.91	11.86	12.22	12.11	12.27	11.66	11.82	11.84	11.71	11.74	11.65	11.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 17.38 M (MSL), AT 24.00 HOURS, ON AUG 13, 1979
ZERO GAGE AT BOTTOM ELEVATION 11.93 M (MSL), RIVER BED 10.64 M (MSL)
LEFT BANK ELEVATION 21.55 M (MSL)
RIGHT BANK ELEVATION 22.86 M (MSL), DRAINAGE AREA 26449 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	43.8	43.8	29.0	565.9	70.0	189.0	765.8	34.0	40.5	30.0	19.8	18.6	
2	42.7	39.4	26.0	661.6	47.6	166.0	701.5	62.0	35.0	30.0	19.8	18.6	
3	37.2	36.1	25.0	577.5	52.4	158.8	583.3	50.8	22.6	30.0	20.2	19.0	
4	39.4	35.0	24.6	619.0	74.8	189.0	517.2	35.0	25.0	30.0	19.8	21.0	
5	39.4	35.0	24.6	691.0	164.2	173.6	433.2	34.0	26.0	30.0	20.6	21.8	
6	39.4	35.0	24.2	622.0	213.0	167.9	483.6	33.0	30.0	29.0	20.6	20.2	
7	39.4	33.0	24.2	497.6	433.2	183.1	534.0	34.0	30.0	29.0	21.0	19.8	
8	39.4	30.0	23.4	393.4	565.9	157.0	427.6	28.0	30.0	29.0	21.0	19.8	
9	39.4	26.0	23.8	542.7	511.6	155.2	354.4	21.8	31.0	29.0	20.6	20.2	
10	39.4	26.0	23.8	503.2	607.0	139.0	286.5	23.8	31.0	29.0	20.6	20.2	
11	37.2	27.0	23.8	250.6	791.0	122.8	250.6	23.4	30.0	29.0	20.6	20.2	
12	37.2	28.0	24.2	341.5	1069.0	126.4	173.6	23.8	29.0	29.0	20.2	20.2	
13	37.2	28.0	24.2	264.4	1315.6	126.4	187.0	25.0	30.0	29.0	20.2	19.8	
14	37.2	29.0	24.2	309.0	1395.4	115.6	153.4	27.0	30.0	29.0	20.2	18.6	
15	37.2	29.0	24.6	243.9	1424.8	115.6	151.6	26.0	31.0	29.0	21.8	17.4	
16	37.2	28.0	24.6	175.5	1240.0	112.0	98.4	26.0	30.0	28.0	23.4	15.4	
17	41.6	28.0	23.8	211.0	1130.8	103.5	89.9	26.0	30.0	28.0	23.4	15.0	
18	42.7	33.0	23.8	207.0	1093.0	96.7	57.2	27.0	31.0	28.0	22.6	15.8	
19	42.7	33.0	24.6	157.0	1139.2	81.4	57.2	28.0	30.0	28.0	21.8	19.0	
20	41.6	33.0	24.6	130.0	1130.8	74.8	71.6	28.0	30.0	28.0	21.0	23.8	
21	42.7	33.0	25.0	135.4	1017.0	73.2	19.8	27.0	29.0	27.0	21.0	23.4	
22	41.6	34.0	24.6	135.4	809.0	162.4	15.4	27.0	30.0	26.0	21.0	22.2	
23	42.7	34.0	24.2	155.2	622.0	173.6	21.8	28.0	30.0	25.0	21.0	21.8	
24	38.3	32.0	24.2	149.8	554.3	142.6	21.8	27.0	30.0	24.6	21.0	23.0	
25	40.5	32.0	23.8	209.0	492.0	197.0	20.6	27.0	30.0	23.4	21.0	22.6	
26	42.7	32.0	25.0	139.0	401.2	231.3	17.4	27.0	30.0	22.6	19.4	22.2	
27	43.8	32.0	62.0	148.0	336.5	264.4	18.6	28.0	30.0	22.6	19.0	22.2	
28	43.8	31.0	108.6	103.5	301.5	341.5	31.0	27.0	30.0	22.6	18.6	21.8	
29	43.8	31.0	46.0	103.5	235.5	409.0	40.5	26.0	30.0	19.8	18.6	21.8	
30	43.8	30.0	146.2	101.8	239.7	344.0	34.0	26.0	30.0	17.4		21.8	
31		30.0		65.2	239.7		31.0		30.0	20.2		21.8	
TOTAL	1215.0	986.3	1000.6	9409.6	19717.7	5092.8	6649.5	886.6	931.1	831.2	599.8	629.0	47949.1 CMSDAY
MEAN	40.5	31.8	33.4	303.5	636.1	169.8	214.5	29.6	30.0	26.8	20.7	20.3	131.0 CMS
MAX	43.8	43.8	146.2	691.0	1424.8	409.0	765.8	62.0	40.5	30.0	23.4	23.8	1424.8 CMS
MIN	37.2	26.0	23.4	65.2	47.6	73.2	15.4	21.8	22.6	17.4	18.6	15.0	15.0 CMS
RUNOFF	104.98	85.22	86.45	812.99	1703.61	440.02	574.52	76.60	80.45	71.82	51.82	54.35	4142.80 MCM

MOMENTARY PEAK 1714.60 CMS, AT 17.38 M (MSL), AT 24.00 HOURS, ON AUG 13, 1979

RUNOFF YIELD 4.95 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 64.83 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

LAM TAPHOEN AT BAN THUNG NA NANG ROK, KANCHANABURI (K.12)

LOCATION — LAT. 14°09'15" N., LONG. 99°25'06" E., ON LEFT BANK ABOUT 50 METERS DOWNSTREAM FROM WAT THUNG NA NANG ROK, TAMBON LAT YA, AMPHOE MUANG, KANCHANABURI.

DRAINAGE AREA — 2,340 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — AT THE CORNER OF SALA WAT THUNG NA NANG ROK.

ELEVATION — +9.260 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1965-1968

RATED BY FLOAT — -

RATED BY CURRENT METER — 1965-1968

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

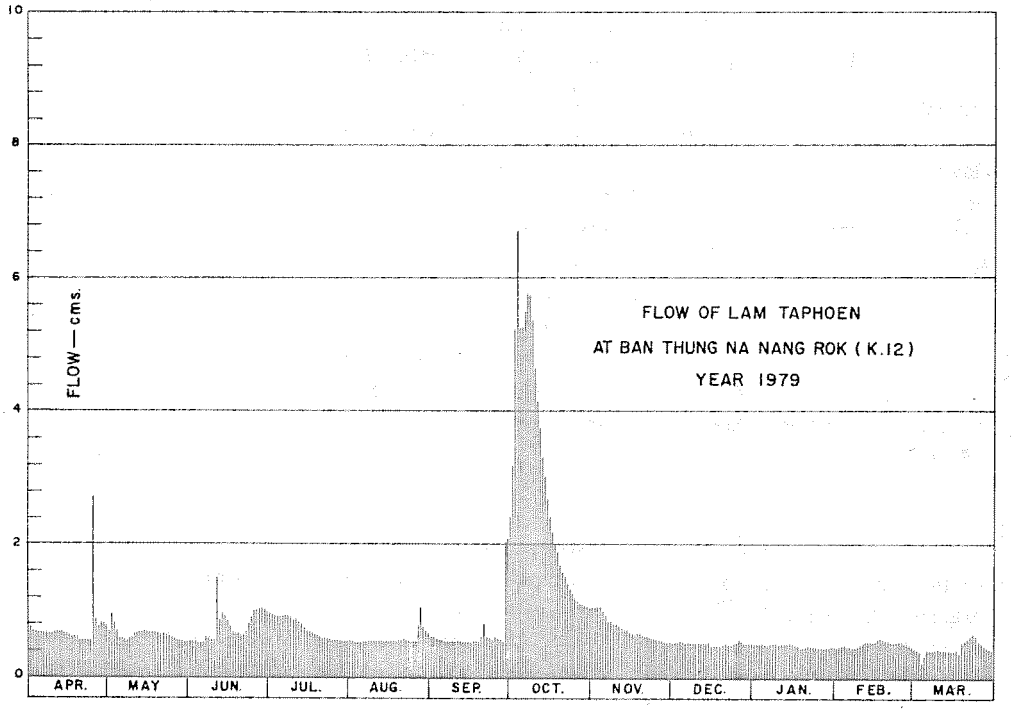
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 161 DISCHARGE MEASUREMENTS MADE IN 1968.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.60	0.52	0.69	0.53	0.57	1.26	0.72	0.52	0.51	0.49	0.48	
2	0.60	0.68	0.52	0.69	0.52	0.55	1.65	0.72	0.52	0.51	0.49	0.47	
3	0.59	0.64	0.52	0.68	0.52	0.54	1.95	0.73	0.52	0.51	0.50	0.46	
4	0.59	0.60	0.52	0.67	0.52	0.53	1.70	0.72	0.53	0.51	0.50	0.37	
5	0.59	0.55	0.51	0.67	0.52	0.53	1.70	0.70	0.53	0.50	0.49	0.43	
6	0.59	0.55	0.51	0.68	0.53	0.52	1.74	0.68	0.52	0.50	0.49	0.47	
7	0.58	0.53	0.55	0.68	0.53	0.52	1.79	0.65	0.52	0.51	0.49	0.46	
8	0.58	0.53	0.54	0.68	0.53	0.52	1.79	0.65	0.52	0.51	0.49	0.46	
9	0.58	0.55	0.53	0.67	0.53	0.52	1.72	0.64	0.52	0.51	0.49	0.46	
10	0.59	0.56	0.53	0.67	0.53	0.52	1.59	0.64	0.52	0.51	0.51	0.47	
11	0.60	0.59	0.87	0.66	0.53	0.52	1.48	0.63	0.52	0.51	0.52	0.46	
12	0.60	0.59	0.65	0.66	0.53	0.52	1.40	0.62	0.52	0.51	0.52	0.45	
13	0.60	0.60	0.69	0.65	0.53	0.52	1.30	0.61	0.52	0.51	0.52	0.45	
14	0.59	0.60	0.69	0.63	0.53	0.52	1.22	0.61	0.52	0.52	0.52	0.46	
15	0.58	0.60	0.65	0.62	0.53	0.52	1.16	0.60	0.52	0.51	0.52	0.45	
16	0.57	0.59	0.62	0.61	0.53	0.52	1.09	0.59	0.50	0.50	0.52	0.45	
17	0.56	0.59	0.59	0.60	0.53	0.53	1.03	0.58	0.50	0.50	0.55	0.46	
18	0.56	0.59	0.58	0.58	0.53	0.53	0.99	0.58	0.50	0.49	0.55	0.43	
19	0.55	0.59	0.58	0.58	0.53	0.53	0.94	0.59	0.50	0.49	0.54	0.52	
20	0.53	0.58	0.57	0.56	0.54	0.59	0.91	0.58	0.51	0.49	0.53	0.53	
21	0.53	0.58	0.57	0.56	0.55	0.64	0.88	0.57	0.51	0.50	0.52	0.54	
22	0.53	0.58	0.60	0.55	0.54	0.57	0.85	0.57	0.51	0.49	0.52	0.56	
23	0.53	0.57	0.63	0.55	0.53	0.55	0.82	0.55	0.51	0.49	0.52	0.58	
24	0.53	0.56	0.67	0.54	0.52	0.54	0.80	0.55	0.51	0.49	0.53	0.57	
25	1.18	0.55	0.70	0.54	0.52	0.57	0.78	0.54	0.51	0.48	0.53	0.52	
26	0.66	0.54	0.71	0.53	0.52	0.55	0.75	0.54	0.55	0.48	0.52	0.50	
27	0.62	0.53	0.71	0.53	0.72	0.54	0.74	0.54	0.53	0.48	0.51	0.49	
28	0.64	0.53	0.71	0.53	0.63	0.53	0.73	0.53	0.52	0.49	0.50	0.48	
29	0.64	0.52	0.71	0.53	0.61	1.01	0.73	0.52	0.51	0.49	0.49	0.47	
30	0.62	0.52	0.70	0.53	0.60	1.03	0.72	0.52	0.51	0.49		0.46	
31		0.52		0.53	0.57		0.72		0.51	0.49		0.46	
MEAN	0.60	0.57	0.61	0.61	0.54	0.57	1.19	0.61	0.52	0.50	0.51	0.48	
MAX	1.18	0.68	0.87	0.69	0.72	1.03	1.95	0.73	0.55	0.52	0.55	0.58	1.95
MIN	0.53	0.52	0.51	0.53	0.52	0.52	0.72	0.52	0.50	0.48	0.49	0.37	0.37

ANNUAL MAX.MOMENTARY GAGE HEIGHT 2.40 M (A.D.), AT 1.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.35 M (A.D.)
LEFT BANK ELEVATION 8.98 M (A.D.)
RIGHT BANK ELEVATION 7.06 M (A.D.), DRAINAGE AREA 2340 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.76	0.70	0.54	0.97	0.56	0.64	3.04	1.06	0.54	0.52	0.48	0.46	
2	0.70	0.94	0.54	0.97	0.54	0.60	4.97	1.06	0.54	0.52	0.48	0.44	
3	0.68	0.82	0.54	0.94	0.54	0.58	6.72	1.09	0.54	0.52	0.50	0.42	
4	0.68	0.70	0.54	0.91	0.54	0.56	5.25	1.06	0.56	0.52	0.50	0.24	
5	0.68	0.60	0.52	0.91	0.54	0.56	5.25	1.00	0.56	0.50	0.48	0.36	
6	0.68	0.60	0.52	0.94	0.56	0.54	5.47	0.94	0.54	0.50	0.48	0.44	
7	0.66	0.56	0.60	0.94	0.56	0.54	5.74	0.85	0.54	0.52	0.48	0.42	
8	0.66	0.56	1.58	0.94	0.56	0.54	5.74	0.85	0.54	0.52	0.48	0.42	
9	0.66	0.60	0.56	0.91	0.56	0.54	5.36	0.82	0.54	0.52	0.48	0.42	
10	0.68	0.62	0.56	0.91	0.56	0.54	4.65	0.82	0.54	0.52	0.52	0.44	
11	0.70	0.68	1.51	0.88	0.56	0.54	4.10	0.79	0.54	0.52	0.54	0.42	
12	0.70	0.68	0.85	0.88	0.56	0.54	3.70	0.76	0.54	0.52	0.54	0.40	
13	0.70	0.70	0.97	0.85	0.56	0.54	3.20	0.73	0.54	0.52	0.54	0.40	
14	0.68	0.70	0.97	0.79	0.56	0.54	2.88	0.73	0.54	0.54	0.54	0.42	
15	0.66	0.70	0.85	0.76	0.56	0.54	2.64	0.70	0.54	0.52	0.54	0.40	
16	0.64	0.68	0.76	0.73	0.56	0.54	2.36	0.68	0.50	0.50	0.54	0.40	
17	0.62	0.68	0.68	0.70	0.56	0.56	2.12	0.66	0.50	0.50	0.60	0.42	
18	0.62	0.68	0.66	0.66	0.56	0.56	1.96	0.66	0.50	0.48	0.60	0.36	
19	0.60	0.68	0.66	0.66	0.56	0.56	1.76	0.68	0.50	0.48	0.58	0.54	
20	0.56	0.66	0.64	0.62	0.58	0.68	1.64	0.66	0.52	0.48	0.56	0.56	
21	0.56	0.66	0.64	0.62	0.60	0.82	1.54	0.64	0.52	0.50	0.54	0.58	
22	0.56	0.66	0.70	0.60	0.58	0.64	1.45	0.64	0.52	0.48	0.54	0.62	
23	0.56	0.64	0.79	0.60	0.56	0.60	1.36	0.60	0.52	0.48	0.54	0.66	
24	0.56	0.62	0.91	0.58	0.54	0.58	1.30	0.60	0.52	0.48	0.56	0.64	
25	2.72	0.60	1.00	0.58	0.54	0.64	1.24	0.58	0.52	0.46	0.56	0.54	
26	0.88	0.58	1.03	0.56	0.54	0.60	1.15	0.58	0.60	0.46	0.54	0.50	
27	0.76	0.56	1.03	0.56	1.06	0.58	1.12	0.58	0.56	0.46	0.52	0.48	
28	0.82	0.56	1.03	0.56	0.79	0.56	1.09	0.56	0.54	0.48	0.50	0.46	
29	0.82	0.54	1.03	0.56	0.73	2.04	1.09	0.54	0.52	0.48	0.48	0.44	
30	0.76	0.54	1.00	0.56	0.70	2.12	1.06	0.54	0.52	0.48		0.42	
31		0.54		0.56	0.64		1.06		0.52	0.48		0.42	
TOTAL	22.32	20.04	23.21	23.21	18.42	20.42	92.01	22.46	16.52	15.46	15.24	14.14	303.45 CMSDAY
MEAN	0.74	0.65	0.77	0.75	0.59	0.68	2.97	0.75	0.53	0.50	0.53	0.46	0.83 CMS
MAX	2.72	0.94	1.51	0.97	1.06	2.12	6.72	1.09	0.60	0.54	0.60	0.66	6.72 CMS
MIN	0.56	0.54	0.52	0.56	0.54	0.54	1.06	0.54	0.50	0.46	0.48	0.24	0.24 CMS
RUNOFF	1.928	1.731	2.005	2.005	1.591	1.764	7.950	1.941	1.427	1.336	1.317	1.222	26.218 MCM

MOMENTARY PEAK 9.80 CMS, AT 2.40 M (A.D), AT 1.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 0.35 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 4.19 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

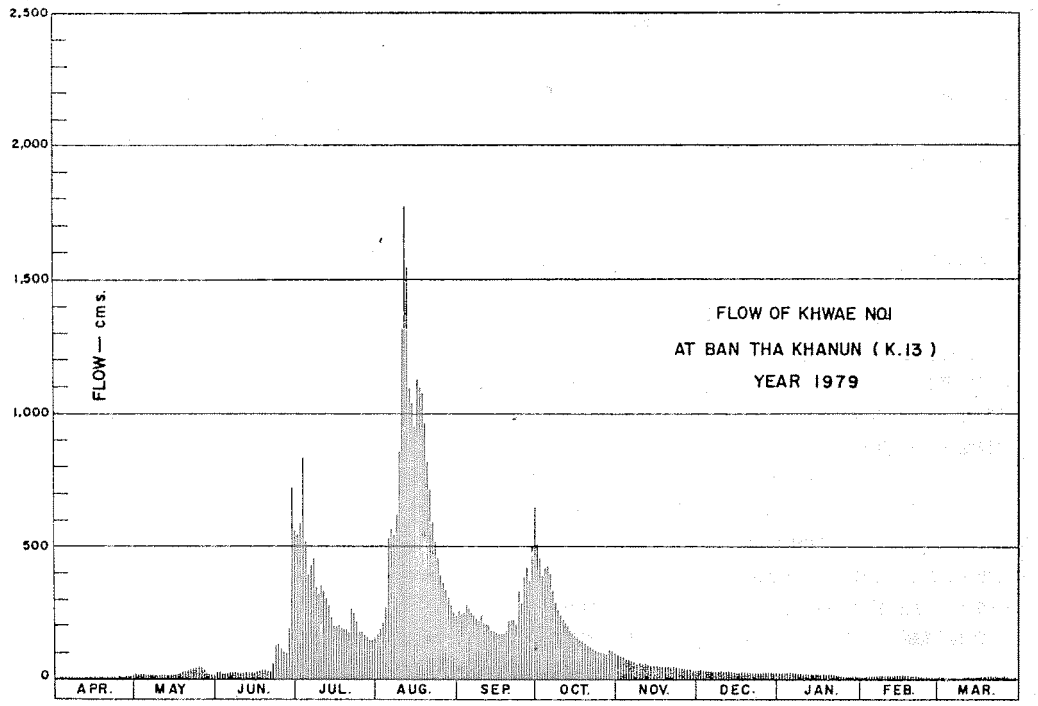
KHWAE NOI AT BAN THA KHANUN, KANCHANABURI (K.13)

LOCATION	LAT. 14°-43'-50" N., LONG. 98°-38'-32" E., ON RIGHT BANK AT POMPE VILLAGE, ABOUT 200 METERS DOWNSTREAM FROM WAT THA KHANUN, AMPHOE THONG PHA PHUM, KANCHANABURI.
DRAINAGE AREA	4,047 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+73.641 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK NEAR K.13 STATION OFFICE.
ELEVATION	+97.165 M. (M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1965 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965-1971, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1965-1971, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 120 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	75.50	75.64	75.99	80.63	77.90	78.55	80.35	76.76	76.14	75.88	75.69	75.56	
2	75.49	75.64	75.96	80.86	78.07	78.47	79.87	76.72	76.12	75.88	75.69	75.55	
3	75.48	75.64	75.88	82.27	78.20	78.52	79.41	76.68	76.11	75.88	75.69	75.54	
4	75.47	75.65	75.81	80.43	78.58	78.71	79.76	76.64	76.11	75.87	75.69	75.54	
5	75.46	75.65	75.90	79.54	80.59	78.55	79.82	76.61	76.10	75.87	75.68	75.54	
6	75.45	75.66	75.99	79.85	80.79	78.45	79.45	76.59	76.09	75.86	75.68	75.54	
7	75.44	75.67	75.96	79.98	80.62	78.40	79.08	76.57	76.08	75.85	75.67	75.53	
8	75.44	75.68	75.88	79.29	81.08	78.17	78.80	76.54	76.07	75.85	75.67	75.53	
9	75.44	75.68	75.81	79.04	82.44	78.40	78.56	76.51	76.06	75.85	75.66	75.53	
10	75.44	75.69	75.80	79.25	85.23	78.18	78.36	76.49	76.05	75.84	75.66	75.52	
11	75.45	75.70	75.91	79.09	86.77	78.08	78.18	76.46	76.04	75.83	75.68	75.52	
12	75.45	75.71	75.95	78.89	85.75	78.05	78.03	76.44	76.03	75.83	75.70	75.52	
13	75.46	75.73	75.91	78.73	83.59	77.91	77.91	76.41	76.02	75.82	75.67	75.53	
14	75.46	75.76	75.99	78.37	83.33	77.86	77.78	76.39	76.01	75.81	75.66	75.53	
15	75.46	75.78	75.91	78.06	82.86	77.88	77.68	76.37	76.00	75.80	75.65	75.54	
16	75.47	75.84	75.87	78.00	83.79	77.75	77.59	76.35	75.99	75.79	75.64	75.54	
17	75.47	75.88	76.04	78.04	83.66	77.74	77.51	76.34	75.98	75.79	75.63	75.54	
18	75.48	75.93	76.04	77.98	83.58	77.79	77.45	76.33	75.98	75.79	75.63	75.54	
19	75.48	76.01	76.12	77.94	82.83	77.90	77.35	76.31	75.97	75.78	75.62	75.54	
20	75.49	76.11	76.01	77.96	82.00	78.27	77.27	76.28	75.97	75.78	75.62	75.54	
21	75.49	76.21	75.99	77.76	81.40	78.28	77.20	76.27	75.96	75.77	75.62	75.54	
22	75.50	76.29	76.26	78.60	80.79	78.27	77.13	76.26	75.96	75.76	75.61	75.54	
23	75.51	76.32	77.34	78.42	80.36	78.10	77.06	76.25	75.95	75.76	75.60	75.55	
24	75.52	76.33	77.40	78.05	79.94	79.12	77.02	76.23	75.94	75.75	75.59	75.55	
25	75.54	76.33	77.21	77.79	79.58	78.78	76.98	76.22	75.93	75.75	75.58	75.56	
26	75.56	76.29	77.11	77.90	79.35	79.56	76.98	76.20	75.92	75.75	75.58	75.61	
27	75.58	75.90	76.93	77.73	79.16	79.83	77.15	76.19	75.92	75.74	75.58	75.64	
28	75.60	75.76	77.88	77.61	78.93	79.28	77.12	76.17	75.91	75.74	75.57	75.62	
29	75.61	75.75	81.65	77.54	78.73	80.49	76.97	76.16	75.90	75.73	75.56	75.58	
30	75.64	75.74	80.88	77.54	78.55	81.27	76.88	76.15	75.89	75.72		75.56	
31		75.74		77.56	78.36		76.82		75.88	75.72		75.55	
MEAN	75.49	75.86	76.58	78.73	81.19	78.55	77.98	76.40	76.00	75.80	75.64	75.55	
MAX	75.64	76.33	81.65	82.27	86.77	81.27	80.35	76.76	76.14	75.88	75.70	75.64	86.77
MIN	75.44	75.64	75.80	77.54	77.90	77.74	76.82	76.15	75.88	75.72	75.56	75.52	75.44

ANNUAL MAX MOMENTARY GAGE HEIGHT 86.83 M (MSL), AT 15.00 HOURS, ON AUG 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 73.64 M (MSL), RIVER BED 74.35 M (MSL)
LEFT BANK ELEVATION 95.56 M (MSL)
RIGHT BANK ELEVATION 96.52 M (MSL), DRAINAGE AREA 4047 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.0	12.0	29.5	549.5	188.0	259.0	509.0	80.8	37.0	24.0	14.5	8.0	
2	4.5	12.0	28.0	586.2	205.7	249.7	441.8	77.6	36.0	24.0	14.5	7.5	
3	4.0	12.0	24.0	837.6	220.0	255.4	377.4	74.4	35.5	24.0	14.5	7.0	
4	3.5	12.5	20.5	520.2	262.6	279.4	426.4	71.2	35.5	23.5	14.5	7.0	
5	3.0	12.5	25.0	395.6	543.5	259.0	434.8	68.8	35.0	23.5	14.0	7.0	
6	2.5	13.0	29.5	439.0	574.4	247.5	383.0	67.2	34.5	23.0	14.0	7.0	
7	2.0	13.5	28.0	457.2	548.0	242.0	331.2	65.6	34.0	22.5	13.5	6.5	
8	2.0	14.0	24.0	360.6	623.6	216.7	292.0	63.2	33.5	22.5	13.5	6.5	
9	2.0	14.0	20.5	325.6	868.2	242.0	260.2	60.8	33.0	22.5	13.0	6.5	
10	2.0	14.5	20.0	355.0	1433.6	217.8	237.6	59.2	32.5	22.0	13.0	6.0	
11	2.5	15.0	25.5	332.6	1772.4	206.8	217.8	56.8	32.0	21.5	14.0	6.0	
12	2.5	15.5	27.5	304.6	1548.0	203.5	201.3	55.2	31.5	21.5	15.0	6.0	
13	3.0	16.5	25.5	282.2	1089.0	189.0	189.0	52.8	31.0	21.0	13.5	6.5	
14	3.0	18.0	29.5	238.7	1037.0	184.0	176.0	51.3	30.5	20.5	13.0	6.5	
15	3.0	19.0	25.5	204.6	947.4	186.0	166.0	49.9	30.0	20.0	12.5	7.0	
16	3.5	22.0	23.5	198.0	1129.0	173.0	157.0	48.5	29.5	19.5	12.0	7.0	
17	3.5	24.0	32.0	202.4	1103.0	172.0	149.0	47.8	29.0	19.5	11.5	7.0	
18	4.0	26.5	32.0	196.0	1087.0	177.0	143.0	47.1	29.0	19.5	11.5	7.0	
19	4.0	30.5	36.0	192.0	941.7	188.0	133.0	45.7	28.5	19.0	11.0	7.0	
20	4.5	35.5	30.5	194.0	789.0	227.7	125.3	44.0	28.5	19.0	11.0	7.0	
21	4.5	40.5	29.5	174.0	681.0	228.8	119.0	43.5	28.0	18.5	11.0	7.0	
22	5.0	44.5	43.0	265.0	574.4	227.7	112.7	43.0	28.0	18.0	10.5	7.0	
23	5.5	46.4	132.0	244.2	510.4	209.0	106.4	42.5	27.5	18.0	10.0	7.5	
24	6.0	47.1	138.0	203.5	451.6	336.8	102.8	41.5	27.0	17.5	9.5	7.5	
25	7.0	47.1	119.9	177.0	401.2	289.2	99.2	41.0	26.5	17.5	9.0	8.0	
26	8.0	44.5	110.9	188.0	369.0	398.4	99.2	40.0	26.0	17.5	9.0	10.5	
27	9.0	25.0	94.7	171.0	342.4	436.2	114.5	39.5	26.0	17.0	9.0	12.0	
28	10.0	18.0	186.0	159.0	310.2	359.2	111.8	38.5	25.5	17.0	8.5	11.0	
29	10.5	17.5	726.0	152.0	282.2	528.6	98.3	38.0	25.0	16.5	8.0	9.0	
30	12.0	17.0	589.6	152.0	259.0	657.6	90.4	37.5	24.5	16.0		8.0	
31		17.0		154.0	237.6		85.6		24.0	16.0		7.5	
TOTAL	141.5	717.1	2706.1	9211.3	21330.1	8047.0	6490.7	1592.9	934.0	622.0	348.5	231.0	52372.2 CMSDAY
MEAN	4.7	23.1	90.2	297.1	688.1	268.2	209.4	53.1	30.1	20.1	12.0	7.5	143.1 CMS
MAX	12.0	47.1	726.0	837.6	1772.4	657.6	509.0	80.8	37.0	24.0	15.0	12.0	1772.4 CMS
MIN	2.0	12.0	20.0	152.0	188.0	172.0	85.6	37.5	24.0	16.0	8.0	6.0	2.0 CMS
RUNOFF	12.23	61.96	233.81	795.86	1842.92	695.26	560.80	137.63	80.70	53.74	30.11	19.96	4524.95 MCM

MOMENTARY PEAK 1785.60 CMS, AT 86.83 M (MSL), AT 15.00 HOURS, ON AUG 11, 1979

RUNOFF YIELD 35.36 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 441.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

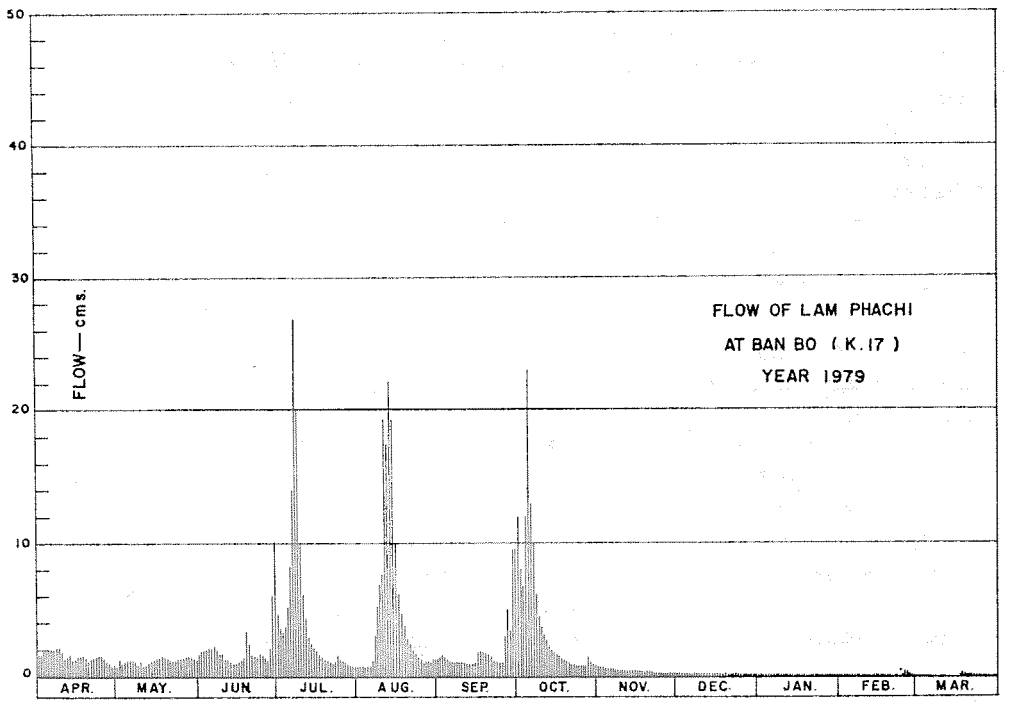
LAM PHACHI AT BAN BO, RATCHABURI (K.17)

LOCATION	LAT. 13°32'41" N., LONG. 99°21'22" E., ON LEFT BANK OPPOSITE TO THE 'SAI NGAM' FRONTIER POLICE STATION, TAMBON SUAN PHUNG, AMPHOE CHUM BUNG, RATCHABURI.
DRAINAGE AREA	1,355 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ALONG THE MEASURING LINE.
ELEVATION	+11.799 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1966 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 91 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.15	0.00	0.17	0.54	0.00	0.11	0.95	0.02	-0.13	-0.18	-0.26	-0.24	
2	0.16	0.11	0.18	0.39	0.01	0.15	0.77	0.01	-0.13	-0.18	-0.26	-0.24	
3	0.17	0.03	0.19	0.36	0.00	0.14	0.67	0.00	-0.13	-0.18	-0.27	-0.25	
4	0.18	0.04	0.20	0.40	0.00	0.13	0.90	-0.01	-0.13	-0.19	-0.26	-0.27	
5	0.20	0.07	0.20	0.55	0.01	0.10	1.43	-0.02	-0.14	-0.19	-0.27	-0.29	
6	0.20	0.09	0.22	0.85	0.05	0.07	1.05	-0.03	-0.14	-0.19	-0.26	-0.28	
7	0.20	0.09	0.23	1.06	0.22	0.06	0.90	-0.03	-0.14	-0.20	-0.26	-0.29	
8	0.21	0.08	0.22	1.55	0.41	0.06	0.67	-0.04	-0.14	-0.20	-0.26	-0.29	
9	0.22	0.01	0.15	1.10	0.63	0.06	0.53	-0.04	-0.15	-0.21	-0.25	-0.30	
10	0.18	0.07	0.17	0.74	0.70	0.05	0.42	-0.05	-0.14	-0.20	-0.26	-0.31	
11	0.12	0.01	0.08	0.55	1.27	0.04	0.35	-0.05	-0.15	-0.21	-0.24	-0.32	
12	0.14	0.03	0.12	0.42	1.20	0.03	0.29	-0.06	-0.16	-0.21	-0.22	-0.32	
13	0.15	0.06	0.07	0.32	1.38	0.02	0.24	-0.05	-0.16	-0.21	-0.21	-0.33	
14	0.07	0.08	0.03	0.25	1.24	0.04	0.20	-0.05	-0.16	-0.22	-0.20	-0.33	
15	0.12	0.11	0.07	0.20	0.95	0.05	0.17	-0.07	-0.16	-0.21	-0.20	-0.34	
16	0.13	0.11	0.05	0.18	0.73	0.19	0.15	-0.07	-0.15	-0.21	-0.20	-0.33	
17	0.14	0.11	0.11	0.14	0.57	0.19	0.12	-0.07	-0.16	-0.21	-0.21	-0.17	
18	0.14	0.12	0.11	0.11	0.47	0.18	0.11	-0.08	-0.16	-0.22	-0.21	-0.10	
19	0.12	0.13	0.37	0.10	0.37	0.18	0.09	-0.09	-0.16	-0.22	-0.23	-0.19	
20	0.08	0.12	0.28	0.08	0.31	0.15	0.08	-0.08	-0.16	-0.22	-0.23	-0.16	
21	0.12	0.09	0.16	0.06	0.25	0.14	0.05	-0.10	-0.17	-0.22	-0.25	-0.17	
22	0.13	0.06	0.10	0.05	0.20	0.11	0.05	-0.09	-0.16	-0.22	-0.25	-0.18	
23	0.14	0.08	0.10	0.06	0.17	0.08	0.03	-0.11	-0.16	-0.22	-0.24	-0.20	
24	0.14	0.10	0.16	0.16	0.13	0.06	0.02	-0.10	-0.16	-0.23	-0.21	-0.21	
25	0.14	0.11	0.17	0.10	0.10	0.06	0.02	-0.11	-0.17	-0.22	-0.07	-0.22	
26	0.11	0.11	0.13	0.09	0.08	0.27	0.01	-0.10	-0.17	-0.22	-0.16	-0.23	
27	0.10	0.12	0.10	0.07	0.07	0.52	0.05	-0.11	-0.18	-0.23	-0.19	-0.24	
28	0.05	0.13	0.16	0.03	0.09	0.38	0.12	-0.11	-0.18	-0.23	-0.21	-0.24	
29	0.02	0.13	0.53	0.02	0.07	0.82	0.08	-0.12	-0.19	-0.23	-0.23	-0.24	
30	0.05	0.12	0.85	0.00	0.12	0.82	0.05	-0.12	-0.18	-0.23		-0.24	
31		0.11		0.00	0.12		0.03		-0.18	-0.23		-0.25	
MEAN	0.14	0.08	0.19	0.34	0.38	0.18	0.34	-0.06	-0.16	-0.21	-0.23	-0.25	
MAX	0.22	0.13	0.85	1.55	1.38	0.82	1.43	0.02	-0.13	-0.18	-0.07	-0.10	1.55
MIN	0.02	0.00	0.03	0.00	0.00	0.02	0.01	-0.12	-0.19	-0.23	-0.27	-0.34	-0.34

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.76 M (A.D.), AT 6.00 HOURS, ON JUL 8, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.64 M (A.D.)
LEFT BANK ELEVATION 11.91 M (A.D.)
RIGHT BANK ELEVATION 8.78 M (A.D.), DRAINAGE AREA 1355 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.60	0.70	1.76	5.32	0.70	1.28	12.00	0.80	0.24	0.14	0.04	0.06	
2	1.68	1.28	1.84	3.61	0.75	1.60	8.69	0.75	0.24	0.14	0.04	0.06	
3	1.76	0.85	1.92	3.34	0.70	1.52	7.08	0.70	0.24	0.14	0.03	0.05	
4	1.84	0.90	2.00	3.70	0.70	1.44	11.00	0.66	0.24	0.12	0.04	0.03	
5	2.00	1.05	2.00	5.45	0.75	1.20	23.54	0.62	0.22	0.12	0.03	0.01	
6	2.00	1.15	2.16	10.10	0.95	1.05	14.05	0.58	0.22	0.12	0.04	0.02	
7	2.00	1.15	2.24	14.26	2.16	1.00	11.00	0.58	0.22	0.10	0.04	0.01	
8	2.08	1.10	2.16	26.95	3.81	1.00	7.08	0.54	0.22	0.10	0.04	0.01	
9	2.16	0.75	1.60	15.10	6.52	1.00	5.19	0.54	0.20	0.09	0.05	0.00	
10	1.84	1.05	1.76	8.18	7.50	0.95	3.92	0.50	0.22	0.10	0.04	0.00	
11	1.36	0.75	1.10	5.45	19.25	0.90	3.25	0.50	0.20	0.09	0.06	0.00	
12	1.52	0.85	1.36	3.92	17.50	0.85	2.72	0.46	0.18	0.09	0.08	0.00	
13	1.60	1.00	1.05	2.98	22.16	0.80	2.32	0.50	0.18	0.09	0.09	0.00	
14	1.05	1.10	0.85	2.40	18.50	0.90	2.00	0.50	0.18	0.08	0.10	0.00	
15	1.36	1.28	1.05	2.00	12.00	0.95	1.76	0.42	0.18	0.09	0.10	0.00	
16	1.44	1.28	0.95	1.84	8.01	1.92	1.60	0.42	0.20	0.09	0.10	0.00	
17	1.52	1.28	1.28	1.52	5.71	1.92	1.36	0.42	0.18	0.09	0.09	0.16	
18	1.52	1.36	1.28	1.28	4.47	1.84	1.28	0.38	0.18	0.08	0.09	0.30	
19	1.36	1.44	3.43	1.20	3.43	1.84	1.15	0.34	0.18	0.08	0.07	0.12	
20	1.10	1.36	2.64	1.10	2.89	1.60	1.10	0.38	0.18	0.08	0.07	0.18	
21	1.36	1.15	1.68	1.00	2.40	1.52	0.95	0.30	0.16	0.08	0.05	0.16	
22	1.44	1.00	1.20	0.95	2.00	1.28	0.95	0.34	0.18	0.08	0.05	0.14	
23	1.52	1.10	1.20	1.00	1.76	1.10	0.85	0.28	0.18	0.08	0.06	0.10	
24	1.52	1.20	1.68	1.68	1.44	1.00	0.80	0.30	0.18	0.07	0.09	0.09	
25	1.52	1.28	1.76	1.20	1.20	1.00	0.80	0.28	0.16	0.08	0.42	0.08	
26	1.28	1.28	1.44	1.15	1.10	2.56	0.75	0.30	0.16	0.08	0.18	0.07	
27	1.20	1.36	1.20	1.05	1.05	5.06	0.95	0.28	0.14	0.07	0.12	0.06	
28	0.95	1.44	1.68	0.85	1.15	3.52	1.36	0.28	0.14	0.07	0.09	0.06	
29	0.80	1.44	5.19	0.80	1.05	9.56	1.10	0.26	0.12	0.07	0.07	0.06	
30	0.95	1.36	10.10	0.70	1.36	9.56	0.95	0.26	0.14	0.07		0.06	
31		1.28		0.70	1.36		0.85		0.14	0.07		0.05	
TOTAL	45.33	35.57	61.56	130.78	154.33	61.72	132.40	13.47	5.80	2.85	2.37	1.94	648.12 CMSDAY
MEAN	1.51	1.15	2.05	4.22	4.98	2.06	4.27	0.45	0.19	0.09	0.08	0.06	1.77 CMS
MAX	2.16	1.44	10.10	26.95	22.16	9.56	23.54	0.80	0.24	0.14	0.42	0.30	26.95 CMS
MIN	0.80	0.70	0.85	0.70	0.70	0.80	0.75	0.26	0.12	0.07	0.03	0.00	0.00 CMS
RUNOFF	3.917	3.073	5.319	11.299	13.334	5.333	11.439	1.164	0.501	0.246	0.205	0.168	55.997 MCM

MOMENTARY PEAK 33.80 CMS, AT 1.76 M (A.D), AT 6.00 HOURS, ON JUL 8, 1979

RUNOFF YIELD 1.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 24.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

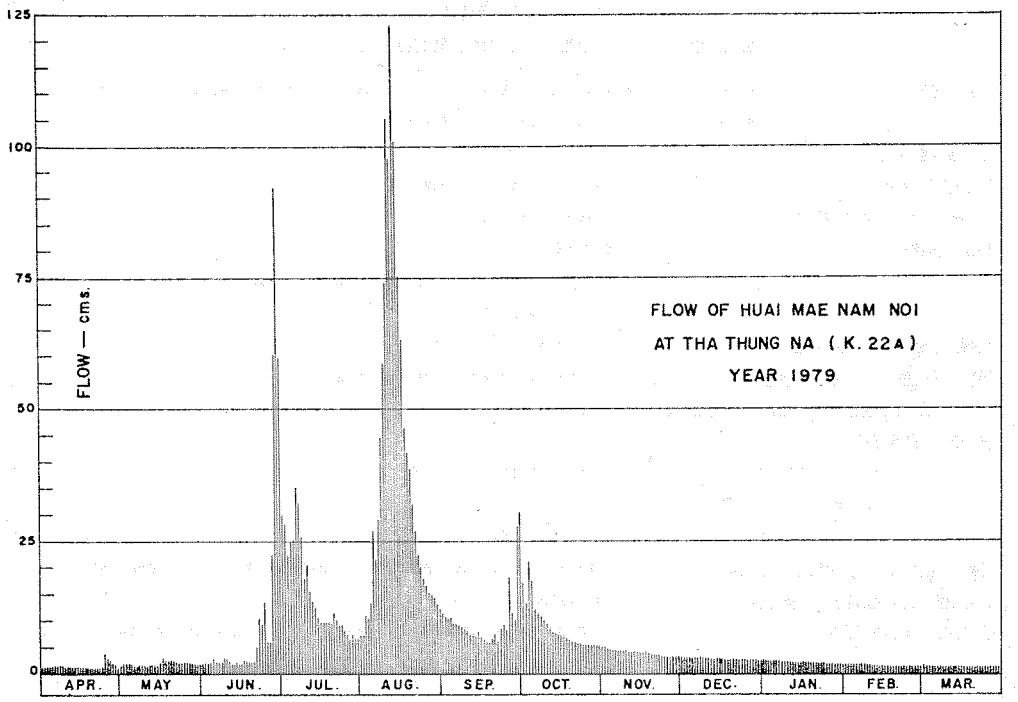
HUAI MAE NAM NOI AT THA THUNG NA, KANCHANABURI (K.22A)

LOCATION	LAT. 14°26'44" N., LONG. 98°48'08" E., ON LEFT BANK ABOUT 3 KILOMETERS DOWNSTREAM FROM K.22 STATION, TAMBON THA THUNG NA, AMPHOE SAI YOK, KANCHANABURI.
DRAINAGE AREA	321 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+66.70 M. (M.S.L.)
BENCH MARK	B.M.=M.S.
LOCATION	NEAR THE METEOROLOGICAL STATION.
ELEVATION	+76.874 M. (M.S.L.)
GAGE READING FREQUENCY	16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 16 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +70.73 M. (M.S.L.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 131 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	67.21	67.26	67.25	69.05	67.61	67.82	68.10	67.48	67.36	67.30	67.25	67.22	
2	67.21	67.27	67.27	68.54	67.80	67.80	68.05	67.48	67.36	67.30	67.25	67.22	
3	67.21	67.25	67.24	68.42	67.77	67.77	67.89	67.46	67.36	67.30	67.25	67.22	
4	67.21	67.25	67.25	68.27	67.86	67.78	68.22	67.45	67.36	67.30	67.25	67.22	
5	67.21	67.26	67.34	68.36	68.44	67.74	68.06	67.45	67.36	67.30	67.25	67.22	
6	67.21	67.23	67.29	68.38	68.25	67.73	67.84	67.45	67.36	67.30	67.25	67.21	
7	67.21	67.21	67.27	68.70	68.47	67.73	67.82	67.44	67.36	67.30	67.25	67.21	
8	67.21	67.24	67.26	68.59	68.80	67.71	67.80	67.44	67.35	67.30	67.25	67.21	
9	67.21	67.24	67.32	68.35	69.13	67.69	67.77	67.44	67.35	67.30	67.25	67.21	
10	67.20	67.23	67.34	68.09	69.45	67.66	67.73	67.44	67.34	67.29	67.24	67.21	
11	67.20	67.23	67.33	68.19	70.18	67.62	67.70	67.43	67.34	67.29	67.24	67.21	
12	67.20	67.24	67.28	67.99	70.05	67.62	67.67	67.43	67.34	67.29	67.24	67.21	
13	67.20	67.25	67.24	67.94	70.48	67.60	67.64	67.43	67.34	67.29	67.24	67.21	
14	67.20	67.25	67.28	67.90	70.17	67.62	67.63	67.42	67.34	67.28	67.24	67.21	
15	67.20	67.24	67.27	67.82	69.58	67.66	67.62	67.42	67.34	67.28	67.24	67.21	
16	67.20	67.28	67.26	67.76	69.41	67.57	67.60	67.42	67.34	67.28	67.24	67.21	
17	67.20	67.34	67.31	67.73	68.99	67.57	67.59	67.42	67.33	67.28	67.23	67.21	
18	67.19	67.31	67.30	67.73	68.90	67.55	67.57	67.41	67.33	67.28	67.23	67.21	
19	67.19	67.30	67.30	67.75	68.82	67.54	67.57	67.40	67.33	67.28	67.23	67.21	
20	67.19	67.31	67.29	67.73	68.65	67.59	67.55	67.39	67.33	67.27	67.23	67.21	
21	67.19	67.30	67.30	67.84	68.47	67.62	67.53	67.39	67.33	67.27	67.23	67.21	
22	67.19	67.28	67.60	67.77	68.37	67.54	67.53	67.39	67.32	67.27	67.23	67.21	
23	67.19	67.26	67.79	67.72	68.22	67.68	67.52	67.38	67.32	67.27	67.23	67.21	
24	67.23	67.26	67.73	67.73	68.13	67.72	67.52	67.38	67.32	67.27	67.23	67.21	
25	67.40	67.27	67.92	67.67	68.07	67.67	67.51	67.38	67.31	67.26	67.23	67.21	
26	67.33	67.28	67.54	67.65	68.03	68.11	67.51	67.37	67.31	67.26	67.23	67.21	
27	67.32	67.28	67.53	67.58	67.98	67.85	67.51	67.37	67.31	67.26	67.23	67.21	
28	67.25	67.27	68.57	67.62	67.98	67.77	67.50	67.37	67.31	67.25	67.22	67.21	
29	67.22	67.25	69.95	67.62	67.95	68.48	67.50	67.37	67.31	67.25	67.22	67.21	
30	67.19	67.23	69.52	67.57	67.88	68.56	67.49	67.37	67.31	67.25		67.21	
31		67.23		67.61	67.86		67.49		67.30	67.25		67.21	
MEAN	67.22	67.26	67.57	67.99	68.64	67.75	67.68	67.42	67.33	67.28	67.24	67.21	
MAX	67.40	67.34	69.95	69.05	70.48	68.56	68.22	67.48	67.36	67.30	67.25	67.22	70.48
MIN	67.19	67.21	67.24	67.57	67.61	67.54	67.49	67.37	67.30	67.25	67.22	67.21	67.19

ANNUAL MAX MOMENTARY GAGE HEIGHT 70.75 M (MSL), AT 21.00 HOURS, ON JUN 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 66.70 M (MSL), RIVER BED 67.18 M (MSL)
LEFT BANK ELEVATION 74.71 M (MSL)
RIGHT BANK ELEVATION 70.72 M (MSL), DRAINAGE AREA 321 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	2.08	1.95	48.85	7.28	11.44	17.90	5.10	3.38	2.60	1.95	1.56	
2	1.43	2.21	2.21	30.14	11.00	11.00	16.70	5.10	3.38	2.60	1.95	1.56	
3	1.43	1.95	1.82	26.58	10.37	10.37	12.98	4.80	3.38	2.60	1.95	1.56	
4	1.43	1.95	1.95	22.39	12.32	10.58	21.04	4.65	3.38	2.60	1.95	1.56	
5	1.43	2.08	3.12	24.88	27.16	9.74	16.94	4.65	3.38	2.60	1.95	1.43	
6	1.43	1.69	2.47	25.44	21.85	9.53	11.88	4.65	3.38	2.60	1.95	1.43	
7	1.43	1.43	2.21	35.50	28.03	9.53	11.44	4.50	3.38	2.60	1.95	1.43	
8	1.43	1.82	2.08	31.69	39.00	9.11	11.00	4.50	3.25	2.60	1.95	1.43	
9	1.43	1.82	2.86	24.60	52.19	8.72	10.37	4.50	3.25	2.60	1.95	1.43	
10	1.30	1.69	3.12	17.66	66.90	9.18	9.53	4.50	3.12	2.47	1.82	1.43	
11	1.30	1.69	2.99	20.24	105.26	7.46	8.90	4.35	3.12	2.47	1.82	1.43	
12	1.30	1.82	2.34	15.27	97.95	7.46	8.36	4.35	3.12	2.47	1.82	1.43	
13	1.30	1.95	1.82	14.12	123.18	7.10	7.82	4.35	3.12	2.47	1.82	1.43	
14	1.30	1.95	2.34	13.20	104.69	7.46	7.64	4.20	3.12	2.34	1.82	1.43	
15	1.30	1.82	2.21	11.44	73.22	8.18	7.46	4.20	3.12	2.34	1.82	1.43	
16	1.30	2.34	2.08	10.16	64.98	6.59	7.10	4.20	3.12	2.34	1.82	1.43	
17	1.30	3.12	2.73	9.53	46.40	6.59	6.93	4.20	2.99	2.34	1.69	1.43	
18	1.17	2.73	2.60	9.53	42.80	6.25	6.59	4.05	2.99	2.34	1.69	1.43	
19	1.17	2.60	2.60	9.95	39.76	6.08	6.59	3.90	2.99	2.34	1.69	1.43	
20	1.17	2.73	2.47	9.53	33.75	6.93	6.25	3.77	2.99	2.21	1.69	1.43	
21	1.17	2.60	2.60	11.88	28.03	7.46	5.91	3.77	2.99	2.21	1.69	1.43	
22	1.17	2.34	7.10	10.37	25.16	6.08	5.91	3.77	2.86	2.21	1.69	1.43	
23	1.17	2.08	10.79	9.32	21.04	8.54	5.74	3.64	2.86	2.21	1.69	1.43	
24	1.69	2.08	9.53	9.53	18.68	9.32	5.74	3.64	2.86	2.21	1.69	1.43	
25	3.90	2.21	13.66	8.36	17.18	8.36	5.57	3.64	2.73	2.08	1.69	1.43	
26	2.99	2.34	6.08	8.00	16.22	18.16	5.57	3.51	2.73	2.08	1.69	1.43	
27	2.86	2.34	5.91	6.76	15.04	12.10	5.57	3.51	2.73	2.08	1.69	1.43	
28	1.95	2.21	31.07	7.46	15.04	10.37	5.40	3.51	2.73	1.95	1.56	1.43	
29	1.56	1.95	92.45	7.46	14.35	28.32	5.40	3.51	2.73	1.95	1.56	1.43	
30	1.17	1.69	70.28	6.59	12.76	30.76	5.25	3.51	2.73	1.95		1.43	
31		1.69		7.28	12.32		5.25		2.60	1.95		1.43	
TOTAL	46.41	65.00	297.44	503.71	1203.91	307.77	274.73	124.53	94.51	72.41	52.00	44.85	3087.26 CMSDAY
MEAN	1.55	2.10	9.91	16.25	38.84	10.26	8.86	4.15	3.05	2.34	1.79	1.45	8.44 CMS
MAX	3.90	3.12	92.45	48.85	123.18	30.76	21.04	5.10	3.38	2.60	1.95	1.56	123.18 CMS
MIN	1.17	1.43	1.82	6.59	7.28	6.08	5.25	3.51	2.60	1.95	1.56	1.43	1.17 CMS
RUNOFF	4.010	5.616	25.699	43.520	104.018	26.591	23.737	10.759	8.166	6.256	4.493	3.875	266.740 MCM

MOMENTARY PEAK 139.70 CMS, AT 70.75 M (MSL), AT 21.00 HOURS, ON JUN 28, 1979
RUNOFF YIELD 26.28 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 435.20 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

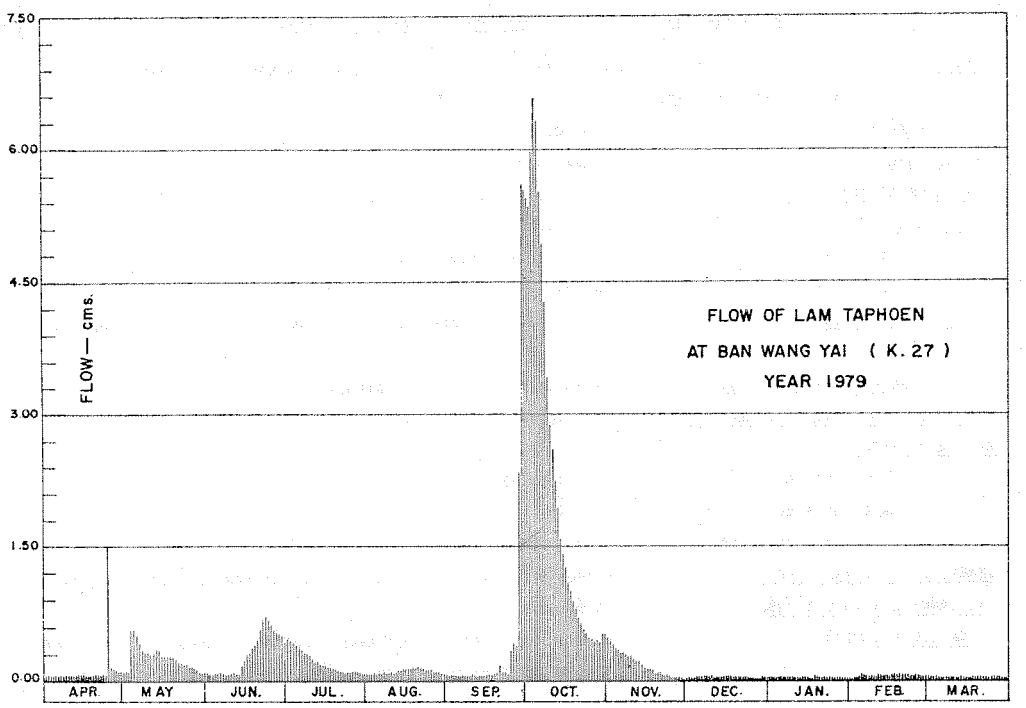
LAM TAPHOEN AT BAN WANG YAI, KANCHANABURI (K.27)

LOCATION	LAT. 14°-20'-14" N., LONG. 99°-29'-22" E., ON LEFT BANK ABOUT 3 KILOMETERS UPSTREAM FROM BAN LAT YA, AMPHOE BO PHLOI, KANCHANABURI.
DRAINAGE AREA	1,921 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	IN THE VICINITY OF METEOROLOGICAL STATION.
ELEVATION	+6.250 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 19 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.67	0.65	0.95	0.64	0.63	2.92	1.00	0.58	0.61	0.58	0.60	
2	0.62	0.65	0.63	0.98	0.63	0.62	2.88	0.98	0.59	0.61	0.59	0.60	
3	0.61	0.68	0.63	0.97	0.66	0.62	3.01	0.95	0.59	0.61	0.59	0.60	
4	0.62	1.05	0.63	0.94	0.66	0.62	3.11	0.92	0.58	0.62	0.59	0.60	
5	0.61	1.04	0.64	0.93	0.65	0.61	3.22	0.91	0.61	0.61	0.64	0.60	
6	0.61	0.98	0.65	0.91	0.66	0.62	3.16	0.89	0.61	0.62	0.62	0.60	
7	0.61	0.95	0.65	0.90	0.66	0.62	2.91	0.88	0.63	0.62	0.62	0.60	
8	0.61	0.91	0.63	0.88	0.67	0.62	2.62	0.86	0.62	0.60	0.63	0.59	
9	0.61	0.88	0.65	0.87	0.66	0.62	2.38	0.85	0.62	0.60	0.62	0.59	
10	0.61	0.87	0.65	0.85	0.67	0.64	2.18	0.84	0.61	0.60	0.62	0.58	
11	0.60	0.87	0.64	0.84	0.67	0.63	2.00	0.82	0.60	0.61	0.63	0.58	
12	0.60	0.87	0.64	0.81	0.68	0.62	1.87	0.81	0.60	0.60	0.63	0.59	
13	0.61	0.90	0.63	0.79	0.71	0.63	1.73	0.81	0.60	0.60	0.63	0.60	
14	0.61	0.91	0.64	0.78	0.72	0.63	1.60	0.76	0.62	0.60	0.63	0.59	
15	0.64	0.87	0.79	0.78	0.73	0.64	1.50	0.75	0.63	0.60	0.63	0.58	
16	0.62	0.84	0.84	0.76	0.73	0.63	1.43	0.73	0.60	0.60	0.62	0.57	
17	0.62	0.85	0.86	0.75	0.72	0.63	1.35	0.74	0.60	0.60	0.66	0.58	
18	0.61	0.84	0.89	0.73	0.74	0.64	1.30	0.72	0.61	0.61	0.64	0.58	
19	0.63	0.83	0.94	0.72	0.74	0.64	1.24	0.66	0.62	0.60	0.64	0.58	
20	0.63	0.82	0.95	0.71	0.74	0.71	1.19	0.68	0.61	0.59	0.64	0.57	
21	0.62	0.79	1.00	0.71	0.73	0.77	1.15	0.67	0.60	0.60	0.64	0.58	
22	0.63	0.78	1.11	0.70	0.72	0.69	1.09	0.63	0.60	0.59	0.64	0.58	
23	0.63	0.77	1.14	0.69	0.71	0.65	1.06	0.63	0.60	0.60	0.63	0.58	
24	0.63	0.75	1.12	0.68	0.72	0.65	1.02	0.64	0.59	0.60	0.63	0.58	
25	1.54	0.74	1.09	0.69	0.71	0.91	1.00	0.61	0.58	0.59	0.63	0.58	
26	0.76	0.74	1.06	0.68	0.69	0.97	0.98	0.61	0.58	0.59	0.61	0.58	
27	0.72	0.72	1.05	0.68	0.69	0.94	0.97	0.60	0.57	0.59	0.60	0.58	
28	0.71	0.70	1.03	0.68	0.68	1.09	0.99	0.61	0.58	0.59	0.60	0.58	
29	0.68	0.67	1.02	0.67	0.66	1.92	0.96	0.59	0.61	0.58	0.60	0.56	
30	0.68	0.66	0.98	0.65	0.63	2.94	1.02	0.59	0.61	0.58		0.55	
31		0.66		0.65	0.63		1.03		0.61	0.58		0.55	
MEAN	0.66	0.81	0.83	0.78	0.69	0.80	1.77	0.76	0.60	0.60	0.62	0.58	
MAX	1.54	1.05	1.14	0.98	0.74	2.94	3.22	1.00	0.63	0.62	0.66	0.60	3.22
MIN	0.60	0.65	0.63	0.65	0.63	0.61	0.96	0.59	0.57	0.58	0.58	0.55	0.55

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.25 M (A.D.), AT 16.00 HOURS, ON OCT 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.40 M (A.D.)
LEFT BANK ELEVATION 6.55 M (A.D.)
RIGHT BANK ELEVATION 7.45 M (A.D.), DRAINAGE AREA 1921 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.10	0.09	0.42	0.08	0.07	5.52	0.50	0.04	0.06	0.04	0.05	
2	0.06	0.09	0.07	0.47	0.07	0.06	5.38	0.47	0.04	0.06	0.04	0.05	
3	0.06	0.11	0.07	0.45	0.09	0.06	5.82	0.42	0.04	0.06	0.04	0.05	
4	0.06	0.57	0.07	0.41	0.09	0.06	6.17	0.38	0.04	0.06	0.04	0.05	
5	0.06	0.56	0.08	0.39	0.09	0.06	6.56	0.36	0.06	0.06	0.08	0.05	
6	0.06	0.47	0.09	0.36	0.09	0.06	6.35	0.34	0.06	0.06	0.06	0.05	
7	0.06	0.42	0.09	0.35	0.09	0.06	5.48	0.32	0.07	0.06	0.06	0.05	
8	0.06	0.36	0.07	0.32	0.10	0.06	4.52	0.30	0.06	0.05	0.07	0.04	
9	0.06	0.32	0.09	0.31	0.09	0.06	3.74	0.28	0.06	0.05	0.06	0.04	
10	0.06	0.31	0.09	0.28	0.10	0.08	3.12	0.27	0.06	0.05	0.06	0.04	
11	0.05	0.31	0.08	0.27	0.10	0.07	2.62	0.25	0.05	0.06	0.07	0.04	
12	0.05	0.31	0.08	0.23	0.11	0.06	2.29	0.23	0.05	0.05	0.07	0.04	
13	0.06	0.35	0.07	0.21	0.13	0.07	1.95	0.23	0.05	0.05	0.07	0.05	
14	0.06	0.36	0.08	0.20	0.14	0.07	1.65	0.18	0.06	0.05	0.07	0.04	
15	0.08	0.31	0.21	0.20	0.15	0.08	1.42	0.17	0.07	0.05	0.07	0.04	
16	0.06	0.27	0.27	0.18	0.15	0.07	1.27	0.15	0.05	0.05	0.06	0.03	
17	0.06	0.28	0.30	0.17	0.14	0.07	1.10	0.16	0.05	0.05	0.09	0.04	
18	0.06	0.27	0.34	0.15	0.16	0.08	1.00	0.14	0.06	0.06	0.08	0.04	
19	0.07	0.26	0.41	0.14	0.16	0.08	0.89	0.09	0.06	0.05	0.08	0.04	
20	0.07	0.25	0.42	0.13	0.16	0.13	0.80	0.11	0.06	0.04	0.08	0.03	
21	0.06	0.21	0.50	0.13	0.15	0.19	0.73	0.10	0.05	0.05	0.08	0.04	
22	0.07	0.20	0.67	0.12	0.14	0.11	0.63	0.07	0.05	0.04	0.08	0.04	
23	0.07	0.19	0.72	0.11	0.13	0.09	0.59	0.07	0.05	0.05	0.07	0.04	
24	0.07	0.17	0.68	0.11	0.14	0.09	0.53	0.08	0.04	0.05	0.07	0.04	
25	1.51	0.16	0.63	0.11	0.13	0.36	0.50	0.06	0.04	0.04	0.07	0.04	
26	0.18	0.16	0.59	0.11	0.11	0.45	0.47	0.06	0.04	0.04	0.06	0.04	
27	0.14	0.14	0.57	0.11	0.11	0.41	0.45	0.05	0.03	0.04	0.05	0.04	
28	0.13	0.12	0.54	0.11	0.11	0.63	0.48	0.06	0.04	0.04	0.05	0.04	
29	0.11	0.10	0.53	0.10	0.09	2.42	0.44	0.04	0.06	0.04	0.05	0.03	
30	0.11	0.09	0.47	0.09	0.07	5.59	0.53	0.04	0.06	0.04		0.02	
31		0.09		0.09	0.07		0.54		0.06	0.04		0.02	
TOTAL	3.67	7.91	8.97	6.83	3.54	11.75	73.54	5.98	1.61	1.55	1.87	1.25	128.47 CMSDAY
MEAN	0.12	0.26	0.30	0.22	0.11	0.39	2.37	0.20	0.05	0.05	0.06	0.04	0.35 CMS
MAX	1.51	0.57	0.72	0.47	0.16	5.59	6.56	0.50	0.07	0.06	0.09	0.05	6.56 CMS
MIN	0.05	0.09	0.07	0.09	0.07	0.06	0.44	0.04	0.03	0.04	0.04	0.02	0.02 CMS
RUNOFF	0.317	0.683	0.775	0.590	0.306	1.015	6.354	0.517	0.139	0.134	0.162	0.108	11.100 MCM

MOMENTARY PEAK 6.67 CMS, AT 3.25 M (A.D), AT 16.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 0.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

MAE KLONG RIVER BASIN

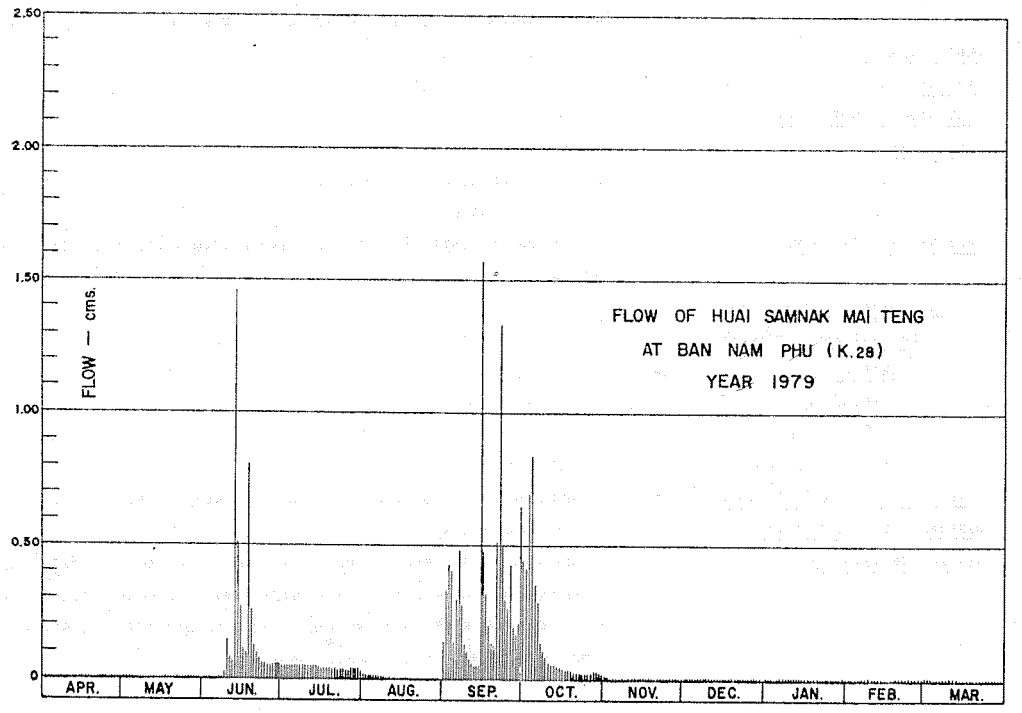
HUAI SAMNAK MAI TENG AT BAN NAM PHU, RATCHABURI (K.28)

LOCATION	LAT. 13°30'23" N., LONG. 99°36'04" E., ON LEFT BANK AT BAN NAM PHU, AMPHOE PAK THO, RATCHABURI.
DRAINAGE AREA	183 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-K.28
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+6.189 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1977 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1977 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1977 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	0.14	0.20	0.69	0.64	0.85	0.98	0.62	0.25	-0.16	-0.43	-0.66	
2	0.53	0.12	0.21	0.69	0.63	0.92	0.95	0.61	0.24	-0.17	-0.43	-0.67	
3	0.51	0.12	0.22	0.69	0.62	0.96	1.09	0.60	0.22	-0.18	-0.44	-0.67	
4	0.49	0.13	0.21	0.69	0.61	0.94	1.13	0.59	0.21	-0.19	-0.45	-0.68	
5	0.46	0.11	0.22	0.69	0.60	0.78	0.93	0.58	0.20	-0.20	-0.45	-0.69	
6	0.44	0.10	0.16	0.69	0.59	0.99	0.90	0.57	0.19	-0.21	-0.45	-0.69	
7	0.42	0.09	0.15	0.69	0.59	0.91	0.79	0.55	0.18	-0.22	-0.48	-0.70	
8	0.40	0.08	0.15	0.69	0.59	0.81	0.75	0.53	0.17	-0.22	-0.53	-0.71	
9	0.39	0.06	0.33	0.69	0.58	0.76	0.73	0.51	0.16	-0.22	-0.53	-0.72	
10	0.37	0.05	0.78	0.69	0.58	0.73	0.71	0.49	0.15	-0.24	-0.54	-0.72	
11	0.36	0.05	0.72	0.68	0.57	0.71	0.70	0.48	0.12	-0.27	-0.54	-0.73	
12	0.35	0.04	0.70	0.68	0.57	0.69	0.69	0.47	0.10	-0.27	-0.55	-0.73	
13	0.33	0.03	1.31	0.68	0.57	0.68	0.68	0.47	0.09	-0.28	-0.55	-0.74	
14	0.32	0.02	1.04	0.68	0.57	0.68	0.67	0.46	0.07	-0.29	-0.56	-0.76	
15	0.31	0.01	0.85	0.68	0.56	1.33	0.66	0.45	0.07	-0.31	-0.57	-0.76	
16	0.31	0.02	0.76	0.67	0.54	0.96	0.66	0.44	0.05	-0.32	-0.58	-0.76	
17	0.30	0.03	0.73	0.67	0.53	0.89	0.65	0.43	0.05	-0.32	-0.59	-0.74	
18	0.29	0.04	1.12	0.67	0.51	0.81	0.65	0.41	0.03	-0.33	-0.59	-0.75	
19	0.27	0.05	0.95	0.67	0.49	0.78	0.65	0.40	0.01	-0.33	-0.60	-0.76	
20	0.24	0.07	0.78	0.67	0.48	0.77	0.65	0.38	0.00	-0.34	-0.61	-0.77	
21	0.23	0.07	0.74	0.67	0.46	0.98	0.64	0.37	-0.02	-0.35	-0.61	-0.77	
22	0.21	0.07	0.72	0.66	0.45	1.28	0.64	0.36	-0.03	-0.37	-0.62	-0.77	
23	0.20	0.08	0.70	0.65	0.44	1.02	0.64	0.34	-0.05	-0.39	-0.62	-0.80	
24	0.20	0.09	0.70	0.66	0.42	0.89	0.64	0.34	-0.06	-0.40	-0.63	-0.80	
25	0.19	0.10	0.69	0.65	0.40	0.86	0.64	0.31	-0.07	-0.40	-0.63	-0.81	
26	0.16	0.11	0.69	0.65	0.40	0.96	0.64	0.31	-0.08	-0.40	-0.64	-0.82	
27	0.15	0.12	0.69	0.66	0.40	0.85	0.64	0.30	-0.09	-0.40	-0.65	-0.82	
28	0.15	0.13	0.70	0.67	0.39	0.80	0.65	0.28	-0.10	-0.41	-0.65	-0.82	
29	0.15	0.14	0.70	0.66	0.37	0.84	0.65	0.27	-0.12	-0.41	-0.66	-0.84	
30	0.15	0.15	0.70	0.66	0.35	1.06	0.64	0.26	-0.13	-0.42		-0.84	
31		0.16		0.65	0.33		0.63		-0.15	-0.43		-0.84	
MEAN	0.31	0.08	0.62	0.67	0.51	0.88	0.73	0.44	0.05	-0.30	-0.56	-0.75	
MAX	0.56	0.16	1.31	0.69	0.64	1.33	1.13	0.62	0.25	-0.16	-0.43	-0.66	1.33
MIN	0.15	0.01	0.15	0.65	0.33	0.68	0.63	0.26	-0.15	-0.43	-0.66	-0.84	-0.84

ANNUAL MAX MOMENTARY GAGE HEIGHT 1.95 M (A.D), AT 18.00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.72 M (A.D)
LEFT BANK ELEVATION 5.72 M (A.D)
RIGHT BANK ELEVATION 5.77 M (A.D), DRAINAGE AREA 183 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.05	0.02	0.24	0.46	0.01	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.05	0.02	0.36	0.41	0.01	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.05	0.01	0.43	0.72	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.05	0.01	0.39	0.84	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.05	0.00	0.14	0.37	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.05	0.00	0.48	0.32	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.05	0.00	0.34	0.15	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.05	0.00	0.18	0.11	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.05	0.00	0.12	0.09	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.14	0.05	0.00	0.09	0.07	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.08	0.05	0.00	0.07	0.06	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.06	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	1.46	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.60	0.05	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.24	0.05	0.00	1.57	0.04	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.12	0.04	0.00	0.43	0.04	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.09	0.04	0.00	0.30	0.03	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.81	0.04	0.00	0.18	0.03	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.41	0.04	0.00	0.14	0.03	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.14	0.04	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.10	0.04	0.00	0.46	0.02	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.08	0.04	0.00	1.33	0.02	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.06	0.03	0.00	0.55	0.02	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.06	0.04	0.00	0.30	0.02	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.05	0.03	0.00	0.26	0.02	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.05	0.03	0.00	0.43	0.02	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.05	0.04	0.00	0.24	0.02	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.06	0.04	0.00	0.16	0.03	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.06	0.04	0.00	0.22	0.03	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.06	0.04	0.00	0.65	0.02	0.00	0.00	0.00		0.00	
31		0.00		0.03	0.00		0.02		0.00	0.00		0.00	
TOTAL	0.00	0.00	4.78	1.35	0.06	10.34	4.18	0.02	0.00	0.00	0.00	0.00	20.73 CMSDAY
MEAN	0.00	0.00	0.16	0.04	0.00	0.34	0.13	0.00	0.00	0.00	0.00	0.00	0.06 CMS
MAX	0.00	0.00	1.46	0.05	0.02	1.57	0.84	0.01	0.00	0.00	0.00	0.00	1.57 CMS
MIN	0.00	0.00	0.00	0.03	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.413	0.117	0.005	0.893	0.361	0.002	0.000	0.000	0.000	0.000	1.791 MCM

MOMENTARY PEAK 7.55 CMS, AT 1.95 M (A.D), AT 18.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 0.31 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 41.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

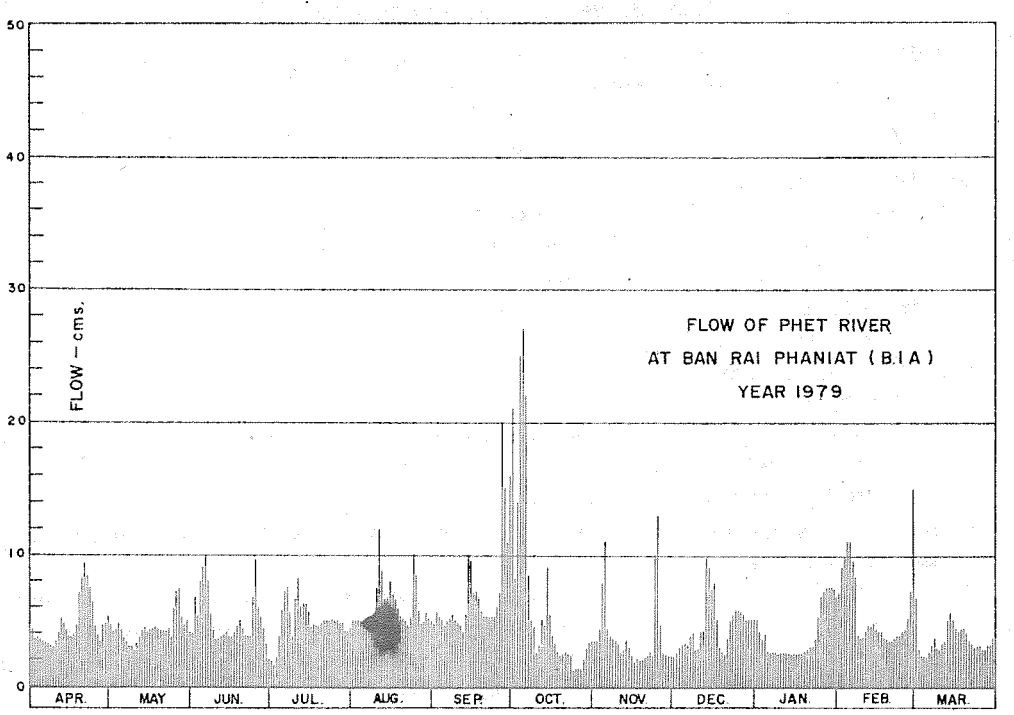
PHET RIVER AT BAN RAI PHANIAT, PHETCHABURI (B.1A)

LOCATION	LAT. 13°-04'-22" N., LONG. 99°-56'-37" E., ON LEFT BANK, NEXT TO MUANG THAMON REGULATOR, BAN RAI PHANIAT, TAMBON BAN MO, AMPHOE MUANG, PHETCHABURI.
DRAINAGE AREA	4,188 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	-0.060 M. (M.S.L.)
BENCH MARK	B.M.-M.S.
LOCATION	ON LEFT BANK ALONG THE GAGE LINE.
ELEVATION	+4.667 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.0 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1961 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1965, 1967-1971
RATED BY FLOAT	-
RATED BY CURRENT METER	1965, 1967-1971
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 109 DISCHARGE MEASUREMENTS MADE DURING 1965, 1967-1968,1970. FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET DIVERSION DAM FOR IRRIGATION OF ABOUT 27,800 HECTARES AT ABOVE GAGE SITE.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.09	1.12	1.08	0.90	1.14	1.13	1.95	1.04	0.95	1.15	1.27	1.25	
2	1.05	1.09	1.25	0.89	1.14	1.18	1.34	1.04	0.98	1.09	1.39	0.99	
3	1.05	1.10	1.16	0.93	1.14	1.16	1.64	1.03	1.01	1.04	1.44	0.95	
4	1.04	1.13	1.33	1.06	1.14	1.15	2.13	1.32	1.02	1.08	1.47	0.94	
5	1.03	1.09	1.39	1.19	1.14	1.12	2.22	1.47	1.03	0.98	1.47	0.94	
6	1.03	1.05	1.44	1.28	1.14	1.14	2.00	1.10	1.02	0.98	1.41	0.97	
7	1.02	1.03	1.33	1.30	1.16	1.15	1.35	1.06	1.07	0.98	1.34	1.02	
8	1.01	1.01	1.17	1.18	1.14	1.17	1.14	1.05	1.08	0.98	1.07	1.05	
9	1.00	1.01	1.09	1.06	1.14	1.14	1.11	1.04	0.99	0.96	1.05	0.99	
10	1.03	0.98	1.05	1.24	1.30	1.13	0.97	1.02	1.00	0.97	1.06	0.99	
11	1.08	1.03	1.05	1.34	1.56	1.12	1.02	0.96	1.09	0.97	1.07	1.02	
12	1.15	1.06	1.06	1.21	1.38	1.09	1.14	0.99	1.09	0.97	1.12	1.04	
13	1.12	1.09	1.07	1.22	1.24	1.17	1.12	1.04	1.43	0.97	1.12	1.14	
14	1.09	1.11	1.08	1.22	1.25	1.45	1.38	1.02	1.39	0.96	1.13	1.18	
15	1.06	1.08	1.06	1.18	1.33	1.42	1.17	0.95	1.29	0.97	1.11	1.15	
16	1.06	1.10	1.06	1.12	1.27	1.27	1.07	0.90	1.32	0.97	1.09	1.10	
17	1.07	1.10	1.08	1.13	1.24	1.28	1.02	0.93	1.15	0.97	1.09	1.09	
18	1.12	1.11	1.12	1.12	1.20	1.25	0.98	0.91	1.00	0.97	1.06	1.10	
19	1.27	1.10	1.14	1.12	1.16	1.19	0.95	0.92	0.97	0.98	1.05	1.11	
20	1.34	1.09	1.10	1.13	1.15	1.16	0.96	0.93	0.96	0.99	1.04	1.08	
21	1.41	1.09	1.06	1.14	1.14	1.16	0.98	0.95	1.05	1.01	1.04	1.04	
22	1.34	1.09	1.06	1.14	1.12	1.16	0.96	0.98	1.14	1.01	1.05	1.02	
23	1.29	1.10	1.06	1.14	1.16	1.16	0.95	0.96	1.17	1.05	1.07	1.00	
24	1.22	1.06	1.25	1.15	1.44	1.16	0.85	1.44	1.19	1.16	1.07	1.01	
25	1.11	1.20	1.42	1.14	1.35	1.21	0.86	1.58	1.19	1.26	1.09	1.01	
26	1.06	1.28	1.20	1.14	1.19	1.28	0.86	1.12	1.18	1.28	1.11	0.99	
27	1.04	1.29	1.16	1.13	1.13	1.92	0.86	0.97	1.17	1.30	1.15	0.99	
28	1.12	1.16	1.10	1.13	1.14	1.70	0.91	0.96	1.14	1.30	1.28	1.01	
29	1.13	1.12	1.02	1.09	1.18	1.51	1.00	0.95	1.15	1.30	1.70	1.01	
30	1.16	1.14	0.91	1.09	1.15	1.72	1.03	0.95	1.15	1.29		1.05	
31		1.08		1.11	1.14		1.04		1.15	1.26		1.03	
MEAN	1.12	1.10	1.14	1.14	1.21	1.26	1.19	1.05	1.11	1.07	1.19	1.04	
MAX	1.41	1.29	1.44	1.34	1.56	1.92	2.22	1.58	1.43	1.30	1.70	1.25	2.22
MIN	1.00	0.98	0.91	0.89	1.12	1.09	0.85	0.90	0.95	0.96	1.04	0.94	0.85

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.26 M (MSL), AT 6.00 HOURS, ON OCT 5, 1979
ZERO GAGE AT BOTTOM ELEVATION -0.06 M (MSL), RIVER BED -0.52 M (MSL)
LEFT BANK ELEVATION 5.22 M (MSL)
RIGHT BANK ELEVATION 5.06 M (MSL), DRAINAGE AREA 4188 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.26	4.72	4.12	1.90	5.04	4.88	21.05	3.56	2.45	5.20	7.12	6.80	
2	3.70	4.26	6.80	1.79	5.04	5.68	8.24	3.56	2.78	4.26	9.04	2.89	
3	3.70	4.40	5.36	2.23	5.04	5.36	14.00	3.42	3.14	3.56	10.00	2.45	
4	3.56	4.88	8.08	3.84	5.04	5.20	25.61	7.92	3.28	4.12	10.60	2.34	
5	3.42	4.26	9.04	5.84	5.04	4.72	28.08	10.60	3.42	2.78	10.60	2.34	
6	3.42	3.70	10.00	7.28	5.04	5.04	22.30	4.40	3.28	2.78	9.40	2.67	
7	3.28	3.42	8.08	7.60	5.36	5.20	8.40	3.84	3.98	2.78	8.24	3.28	
8	3.14	3.14	5.52	5.68	5.04	5.52	5.04	3.70	4.12	2.78	3.98	3.70	
9	3.00	3.14	4.26	3.84	5.04	5.04	4.56	3.56	2.89	2.56	3.70	2.89	
10	3.42	2.78	3.70	6.64	7.60	4.88	2.67	3.28	3.00	2.67	3.84	2.89	
11	4.12	3.42	3.70	8.24	12.40	4.72	3.28	2.56	4.26	2.67	3.98	3.28	
12	5.20	3.84	3.84	6.16	8.88	4.26	5.04	2.89	4.26	2.67	4.72	3.56	
13	4.72	4.26	3.98	6.32	6.64	5.52	4.72	3.56	9.80	2.67	4.72	5.04	
14	4.26	4.56	4.12	6.32	6.80	10.20	8.88	3.28	9.04	2.56	4.88	5.68	
15	3.84	4.12	3.84	5.68	8.08	9.60	5.52	2.45	7.44	2.67	4.56	5.20	
16	3.84	4.40	3.84	4.72	7.12	7.12	3.98	1.90	7.92	2.67	4.26	4.40	
17	3.98	4.40	4.12	4.88	6.64	7.28	3.28	2.23	5.20	2.67	4.26	4.26	
18	4.72	4.56	4.72	4.72	6.00	6.80	2.78	2.01	3.00	2.67	3.84	4.40	
19	7.12	4.40	5.04	4.72	5.36	5.84	2.45	2.12	2.67	2.78	3.70	4.56	
20	8.24	4.26	4.40	4.88	5.20	5.36	2.56	2.23	2.56	2.89	3.56	4.12	
21	9.40	4.26	3.84	5.04	5.04	5.36	2.78	2.45	3.70	3.14	3.56	3.56	
22	8.24	4.26	3.84	5.04	4.72	5.36	2.56	2.78	5.04	3.14	3.70	3.28	
23	7.44	4.40	3.84	5.04	5.36	5.36	2.45	2.56	5.52	3.70	3.98	3.00	
24	6.32	3.84	6.80	5.20	10.00	5.36	1.35	10.00	5.84	5.36	3.98	3.14	
25	4.56	6.00	9.60	5.04	8.40	6.16	1.46	12.80	5.84	6.96	4.26	3.14	
26	3.84	7.28	6.00	5.04	5.84	7.28	1.46	4.72	5.68	7.28	4.56	2.89	
27	3.56	7.44	5.36	4.88	4.88	20.30	1.46	2.67	5.52	7.60	5.20	2.89	
28	4.72	5.36	4.40	4.88	5.04	15.20	2.01	2.56	5.04	7.60	7.28	3.14	
29	4.88	4.72	3.28	4.26	5.68	11.40	3.00	2.45	5.20	7.60	15.20	3.14	
30	5.36	5.04	2.01	4.26	5.20	15.66	3.42	2.45	5.20	7.44		3.70	
31		4.12		4.56	5.04		3.56		5.20	6.96		3.42	
TOTAL	143.26	137.64	155.53	156.52	191.60	215.66	207.95	118.51	146.27	127.19	170.72	112.05	1882.90 CMSDAY
MEAN	4.78	4.44	5.18	5.05	6.18	7.19	6.71	3.95	4.72	4.10	5.89	3.61	5.14 CMS
MAX	9.40	7.44	10.00	8.24	12.40	20.30	28.08	12.80	9.80	7.60	15.20	6.80	28.08 CMS
MIN	3.00	2.78	2.01	1.79	4.72	4.26	1.35	1.90	2.45	2.56	3.56	2.34	1.35 CMS
RUNOFF	12.378	11.892	13.438	13.523	16.554	18.633	17.967	10.239	12.638	10.989	14.750	9.681	162.682 MCM

MOMENTARY PEAK 29.24 CMS, AT 2.26 M (MSL), AT 6.00 HOURS, ON OCT 5, 1979

RUNOFF YIELD 1.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 6.98 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

PHET RIVER AT BAN THA SIK, PHETCHABURI (B.2A)

LOCATION — LAT. 12°-54'-44" N., LONG. 99°-51'-31" E., ON LEFT BANK ABOUT 500 METERS DOWNSTREAM OF PHET BARRAGE, AMPHOE THA YANG, PHETCHABURI.

DRAINAGE AREA — 4,060 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +12.00 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — AT THE ABUTMENT OF PHET BARRAGE.

ELEVATION — +23.00 M. (M.S.L.)

GAGE READING FREQUENCY — 24-TIME DAILY READINGS AT 01.00-24.00 HOURS.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1959 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1960-1961, 1965 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1960-1961, 1965 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 31 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY KAENG KRACHAN RESERVOIR AND PHET BARRAGE AT ABOVE GAGE SITE FOR IRRIGATION OF ABOUT 27,800 HECTARES.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

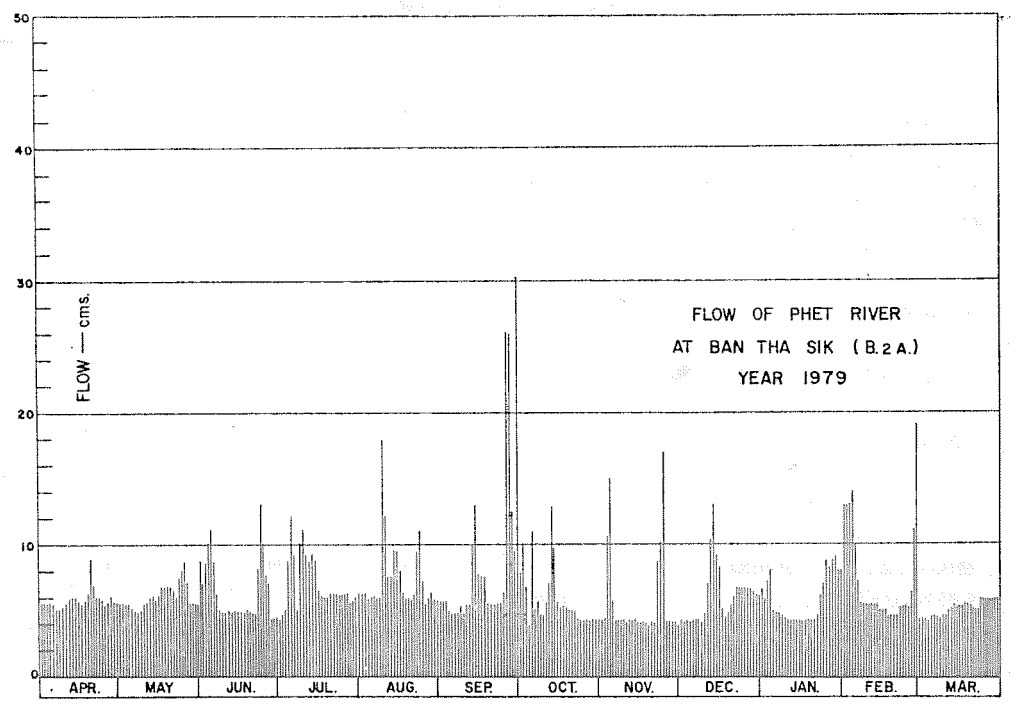
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	12.18	12.18	12.30	12.13	12.21	12.19	12.27	12.13	12.12	12.22	12.43	12.13	
2	12.18	12.18	12.24	12.14	12.21	12.19	12.34	12.13	12.12	12.20	12.44	12.13	
3	12.18	12.18	12.30	12.16	12.21	12.19	12.30	12.36	12.12	12.24	12.45	12.13	
4	12.18	12.18	12.35	12.23	12.20	12.16	12.14	12.49	12.12	12.29	12.47	12.13	
5	12.18	12.17	12.38	12.37	12.20	12.15	12.10	12.19	12.12	12.16	12.43	12.14	
6	12.16	12.16	12.32	12.42	12.21	12.15	12.39	12.13	12.13	12.15	12.31	12.14	
7	12.16	12.15	12.20	12.29	12.20	12.15	12.16	12.13	12.13	12.15	12.19	12.14	
8	12.16	12.15	12.16	12.16	12.20	12.18	12.18	12.13	12.12	12.14	12.18	12.14	
9	12.16	12.15	12.15	12.35	12.34	12.15	12.14	12.13	12.12	12.14	12.18	12.13	
10	12.18	12.18	12.15	12.39	12.58	12.15	12.15	12.13	12.14	12.14	12.18	12.14	
11	12.19	12.18	12.15	12.32	12.42	12.18	12.20	12.12	12.16	12.13	12.18	12.14	
12	12.20	12.19	12.15	12.30	12.26	12.18	12.20	12.13	12.30	12.13	12.18	12.15	
13	12.20	12.20	12.15	12.32	12.26	12.36	12.44	12.13	12.45	12.13	12.18	12.17	
14	12.20	12.20	12.15	12.31	12.33	12.44	12.36	12.13	12.32	12.13	12.18	12.18	
15	12.19	12.19	12.15	12.24	12.33	12.27	12.19	12.12	12.32	12.13	12.16	12.17	
16	12.18	12.21	12.15	12.22	12.28	12.26	12.17	12.12	12.27	12.13	12.16	12.17	
17	12.18	12.23	12.15	12.20	12.25	12.26	12.16	12.12	12.16	12.13	12.16	12.17	
18	12.20	12.23	12.16	12.20	12.20	12.22	12.17	12.11	12.13	12.13	12.14	12.18	
19	12.22	12.23	12.16	12.20	12.20	12.18	12.16	12.11	12.15	12.13	12.14	12.18	
20	12.31	12.23	12.15	12.21	12.20	12.18	12.16	12.12	12.17	12.13	12.14	12.17	
21	12.21	12.22	12.15	12.21	12.19	12.18	12.16	12.12	12.19	12.13	12.14	12.17	
22	12.20	12.21	12.15	12.21	12.21	12.18	12.15	12.12	12.23	12.14	12.17	12.16	
23	12.20	12.19	12.28	12.21	12.37	12.18	12.13	12.34	12.23	12.20	12.17	12.16	
24	12.19	12.26	12.44	12.21	12.39	12.18	12.13	12.55	12.23	12.24	12.17	12.15	
25	12.18	12.28	12.27	12.21	12.29	12.21	12.13	12.22	12.23	12.25	12.17	12.15	
26	12.18	12.30	12.26	12.21	12.19	12.78	12.13	12.12	12.22	12.31	12.17	12.15	
27	12.19	12.21	12.19	12.21	12.18	12.77	12.13	12.12	12.23	12.29	12.22	12.15	
28	12.20	12.18	12.13	12.18	12.21	12.40	12.12	12.12	12.22	12.31	12.62	12.15	
29	12.18	12.19	12.13	12.18	12.20	12.33	12.13	12.12	12.21	12.32	12.32	12.15	
30	12.18	12.18	12.13	12.20	12.19	12.86	12.13	12.11	12.21	12.28		12.15	
31		12.18		12.21	12.19		12.13		12.21	12.28		12.15	
MEAN	12.19	12.20	12.21	12.24	12.25	12.28	12.19	12.17	12.20	12.19	12.24	12.15	
MAX	12.31	12.30	12.44	12.42	12.58	12.86	12.44	12.55	12.45	12.32	12.62	12.18	12.86
MIN	12.16	12.15	12.13	12.13	12.18	12.15	12.10	12.11	12.12	12.13	12.14	12.13	12.10

ANNUAL MAX MOMENTARY GAGE HEIGHT — 12.98 M (MSL), AT 1.00 HOURS, ON OCT 6, 1979

ZERO GAGE AT BOTTOM ELEVATION — 12.00 M (MSL), RIVER BED — 8.90 M (MSL)

LEFT BANK ELEVATION — 17.89 M (MSL)

RIGHT BANK ELEVATION — 23.05 M (MSL), DRAINAGE AREA — 4060 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.54	5.54	8.60	4.39	6.26	5.77	7.82	4.39	4.16	6.52	12.62	4.39	
2	5.54	5.54	7.04	4.62	6.26	5.77	9.80	4.39	4.16	6.00	12.96	4.39	
3	5.54	5.54	8.60	5.08	6.26	5.77	8.60	10.40	4.16	7.04	13.30	4.39	
4	5.54	5.54	10.10	6.78	6.00	5.08	4.62	14.66	4.16	8.34	13.98	4.39	
5	5.54	5.31	11.00	10.70	6.00	4.85	3.70	5.77	4.16	5.08	12.62	4.62	
6	5.08	5.08	9.20	12.28	6.26	4.85	11.30	4.39	4.39	4.85	8.90	4.62	
7	5.08	4.85	6.00	8.34	6.00	4.85	5.08	4.39	4.39	4.85	5.77	4.62	
8	5.08	4.85	5.08	5.08	6.00	5.54	5.54	4.39	4.16	4.62	5.54	4.62	
9	5.08	4.85	4.85	10.10	9.80	4.85	4.62	4.39	4.16	4.62	5.54	4.39	
10	5.54	5.54	4.85	11.30	17.88	4.85	4.85	4.39	4.62	4.62	5.54	4.62	
11	5.77	5.54	4.85	9.20	12.28	5.54	6.00	4.16	5.08	4.39	5.54	4.62	
12	6.00	5.77	4.85	8.60	7.56	5.54	6.00	4.39	8.60	4.39	5.54	4.85	
13	6.00	6.00	4.85	9.20	7.56	10.40	12.96	4.39	13.30	4.39	5.54	5.31	
14	6.00	6.00	4.85	8.90	9.50	12.96	10.40	4.39	9.20	4.39	5.54	5.54	
15	5.77	5.77	4.85	7.04	9.50	7.82	5.77	4.16	9.20	4.39	5.08	5.31	
16	5.54	6.26	4.85	6.52	8.08	7.56	5.31	4.16	7.82	4.39	5.08	5.31	
17	5.54	6.78	4.85	6.00	7.30	7.56	5.08	4.16	5.08	4.39	5.08	5.31	
18	6.00	6.78	5.08	6.00	6.00	6.52	5.31	3.93	4.39	4.39	4.62	5.54	
19	6.52	6.78	5.08	6.00	6.00	5.54	5.08	3.93	4.85	4.39	4.62	5.54	
20	8.90	6.78	4.85	6.26	6.00	5.54	5.08	4.16	5.31	4.39	4.62	5.31	
21	6.26	6.52	4.85	6.26	5.77	5.54	5.08	4.16	5.77	4.39	4.62	5.31	
22	6.00	6.26	4.85	6.26	6.26	5.54	4.85	4.16	6.78	4.62	5.31	5.08	
23	6.00	5.77	8.08	6.26	10.70	5.54	4.39	9.80	6.78	6.00	5.31	5.08	
24	5.77	7.56	12.96	6.26	11.30	5.54	4.39	16.80	6.78	7.04	5.31	4.85	
25	5.54	8.08	7.82	6.26	8.34	6.26	4.39	6.52	6.78	7.30	5.31	4.85	
26	5.54	8.60	7.56	6.26	5.77	26.48	4.39	4.16	6.52	8.90	5.31	4.85	
27	5.77	6.26	5.77	6.26	5.54	26.02	4.39	4.16	6.78	8.34	6.52	4.85	
28	6.00	5.54	4.39	5.54	6.26	11.60	4.16	4.16	6.52	8.90	19.44	4.85	
29	5.54	5.77	4.39	5.54	6.00	9.50	4.39	4.16	6.26	9.20	9.20	4.85	
30	5.54	5.54	4.39	6.00	5.77	30.52	4.39	3.93	6.26	8.08		4.85	
31		5.54		6.26	5.77		4.39		6.26	8.08		4.85	
TOTAL	173.56	186.54	189.34	219.55	233.98	259.70	182.13	165.40	186.84	181.29	214.36	151.96	2344.65 CMSDAY
MEAN	5.79	6.02	6.31	7.08	7.55	8.66	5.88	5.51	6.03	5.85	7.39	4.90	6.41 CMS
MAX	8.90	8.60	12.96	12.28	17.88	30.52	12.96	16.80	13.30	9.20	19.44	5.54	30.52 CMS
MIN	5.08	4.85	4.39	4.39	5.54	4.85	3.70	3.93	4.16	4.39	4.62	4.39	3.70 CMS
RUNOFF	14.996	16.117	16.359	18.969	20.216	22.438	15.736	14.291	16.143	15.663	18.521	13.129	202.577 MCM

MOMENTARY PEAK 37.24 CMS, AT 12.98 M (MSL), AT 1.00 HOURS, ON OCT 6, 1979

RUNOFF YIELD 1.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 9.17 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

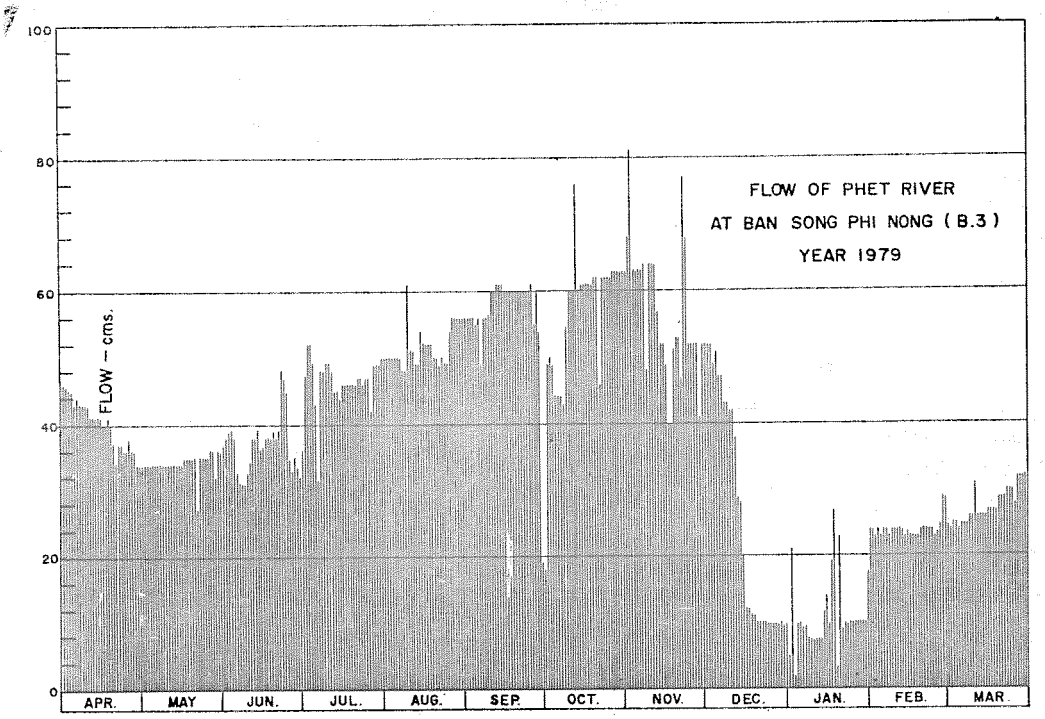
PHET RIVER AT BAN SONG PHI NONG, PHETCHABURI (B.3)

LOCATION	LAT. 12°-52'-04" N., LONG. 99°-40'-40" E., ON LEFT BANK AT BAN SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,244 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+40.998 M. (M.S.L.)
BENCH MARK	B.M.-M.S.
LOCATION	NEAR THE TOP STAFF GAGE.
ELEVATION	+49.760 M. (M.S.L.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1930 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1954-1959, 1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1954-1959, 1968 TO DATE.
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 22 DISCHARGE MEASUREMENTS MADE IN 1979. FLOW REGULATED BY KAENG KRACHAN RESERVOIR.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	42.82	42.60	42.67	42.64	42.89	42.98	42.26	43.09	42.92	41.92	42.41	42.43	
2	42.82	42.60	42.68	42.84	42.90	42.98	42.87	43.17	42.92	42.34	42.40	42.41	
3	42.81	42.60	42.70	42.93	42.90	42.98	42.89	43.32	42.92	41.80	42.39	42.42	
4	42.80	42.60	42.70	42.93	42.90	42.98	42.87	43.09	42.88	42.07	42.40	42.42	
5	42.78	42.60	42.69	42.91	42.90	42.97	42.79	43.09	42.91	42.07	42.39	42.41	
6	42.79	42.60	42.58	42.78	42.90	42.98	42.79	43.09	42.84	42.05	42.40	42.42	
7	42.78	42.60	42.54	42.46	42.90	42.88	42.79	43.09	42.84	42.06	42.40	42.42	
8	42.78	42.60	42.55	42.86	42.86	42.98	42.78	43.10	42.78	42.02	42.39	42.43	
9	42.78	42.60	42.55	42.86	43.02	42.99	42.95	42.87	42.78	42.01	42.40	42.44	
10	42.78	42.60	42.57	42.88	43.06	43.00	43.05	43.10	42.75	42.00	42.40	42.45	
11	42.74	42.60	42.61	42.87	42.91	43.05	43.05	43.10	42.75	42.01	42.40	42.55	
12	42.74	42.60	42.68	42.86	42.91	43.05	43.05	43.10	42.69	42.01	42.40	42.44	
13	42.74	42.60	42.68	42.81	42.87	43.06	43.25	43.01	42.50	42.00	42.40	42.45	
14	42.74	42.60	42.70	42.80	42.88	43.06	43.05	42.92	42.48	42.11	42.38	42.45	
15	42.73	42.60	42.64	42.79	42.96	43.06	43.06	42.92	42.30	42.18	42.40	42.45	
16	42.72	42.61	42.67	42.82	42.93	43.05	43.06	42.91	42.13	42.06	42.39	42.47	
17	42.72	42.62	42.68	42.82	42.92	43.05	43.06	42.71	42.13	42.23	42.39	42.46	
18	42.74	42.62	42.69	42.82	42.92	43.05	43.06	42.71	42.10	42.46	42.39	42.47	
19	42.72	42.62	42.69	42.82	42.92	43.05	43.06	42.91	42.10	41.86	42.39	42.47	
20	42.67	42.63	42.70	42.83	42.89	43.04	43.07	42.94	42.09	42.39	42.40	42.50	
21	42.61	42.63	42.69	42.83	42.89	43.05	43.07	42.94	42.08	42.05	42.40	42.51	
22	42.66	42.46	42.70	42.84	42.88	43.05	42.82	42.85	42.08	42.08	42.40	42.51	
23	42.66	42.63	42.86	42.84	42.89	43.04	43.07	43.27	42.08	42.07	42.40	42.52	
24	42.65	42.63	42.85	42.83	42.88	43.04	43.07	43.16	42.07	42.08	42.40	42.52	
25	42.64	42.63	42.85	42.85	42.87	43.05	43.07	42.93	42.07	42.08	42.39	42.53	
26	42.69	42.63	42.62	42.85	42.96	43.06	43.07	42.92	42.07	42.08	42.41	42.48	
27	42.64	42.64	42.58	42.75	42.98	42.97	43.08	42.92	42.07	42.08	42.43	42.56	
28	42.64	42.64	42.63	42.88	42.98	43.04	43.09	42.92	42.07	42.08	42.50	42.57	
29	42.61	42.57	42.61	42.88	42.99	42.94	43.09	42.73	42.08	42.08	42.50	42.57	
30	42.60	42.64	42.57	42.88	42.99	42.29	43.09	42.93	42.07	42.08		42.57	
31		42.65		42.89	42.98		43.09		42.07	42.30		42.57	
MEAN	42.72	42.61	42.66	42.83	42.92	42.99	42.98	42.99	42.41	42.09	42.41	42.48	
MAX	42.82	42.65	42.86	42.93	43.06	43.06	43.25	43.32	42.92	42.46	42.50	42.57	43.32
MIN	42.60	42.46	42.54	42.46	42.86	42.29	42.26	42.71	42.07	41.80	42.38	42.41	41.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 43.32 M (MSL), AT 6.00 HOURS, ON NOV 3, 1979.
ZERO GAGE AT BOTTOM ELEVATION 41.00 M (MSL), RIVER BED 40.61 M (MSL)
LEFT BANK ELEVATION 49.48 M (MSL)
RIGHT BANK ELEVATION 49.99 M (MSL), DRAINAGE AREA 2244 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	45.78	34.00	37.57	36.04	49.91	55.78	17.64	63.31	51.82	4.80	24.50	25.50	
2	45.78	34.00	38.08	46.96	50.50	55.78	48.73	69.32	51.82	21.24	24.00	24.50	
3	45.19	34.00	39.10	52.48	50.50	55.78	49.91	81.28	51.82	1.80	23.54	25.00	
4	44.60	34.00	39.10	52.48	50.50	55.78	48.73	63.31	49.32	9.65	24.00	25.00	
5	43.50	34.00	38.59	51.16	50.50	55.12	44.05	63.31	51.16	9.65	23.54	24.50	
6	44.05	34.00	33.00	43.50	50.50	55.78	44.05	63.31	46.96	8.95	24.00	25.00	
7	43.50	34.00	31.00	27.00	50.50	49.32	44.05	63.31	46.96	9.30	24.00	25.00	
8	43.50	34.00	31.50	48.14	48.14	55.78	43.50	64.00	43.50	7.90	23.54	25.50	
9	43.50	34.00	31.50	48.14	58.48	56.44	53.80	48.73	43.50	7.55	24.00	26.00	
10	43.50	34.00	32.50	49.32	61.24	57.10	60.55	64.00	41.85	7.20	24.00	26.50	
11	41.30	34.00	34.51	48.73	51.16	60.55	60.55	64.00	41.85	7.55	24.00	31.50	
12	41.30	34.00	38.08	48.14	51.16	60.55	60.55	64.00	38.59	7.55	24.00	26.00	
13	41.30	34.00	38.08	45.19	48.73	61.24	75.60	57.79	29.00	7.20	24.00	26.50	
14	41.30	34.00	39.10	44.60	49.32	61.24	60.55	51.82	28.00	11.13	23.08	26.50	
15	40.75	34.00	36.04	44.05	54.46	61.24	61.24	51.82	19.40	14.14	24.00	26.50	
16	40.20	34.51	37.57	45.78	52.48	60.55	61.24	51.16	11.99	9.30	23.54	27.50	
17	40.20	35.02	38.08	45.78	51.82	60.55	61.24	39.65	11.99	16.32	23.54	27.00	
18	41.30	35.02	38.59	45.78	51.82	60.55	61.24	39.65	10.70	27.00	23.54	27.50	
19	40.20	35.02	38.59	45.78	51.82	60.55	61.24	51.16	10.70	3.24	23.54	27.50	
20	37.57	35.53	39.10	46.37	49.91	59.86	61.93	53.14	10.35	23.54	24.00	29.00	
21	34.51	35.53	38.59	46.37	49.91	60.55	61.93	53.14	10.00	8.95	24.00	29.50	
22	37.06	27.00	39.10	46.96	49.32	60.55	45.78	47.55	10.00	10.00	24.00	29.50	
23	37.06	35.53	48.14	46.96	49.91	59.86	61.93	77.20	10.00	9.65	24.00	30.00	
24	36.55	35.53	47.55	46.37	49.32	59.86	61.93	68.56	9.65	10.00	24.00	30.00	
25	36.04	35.53	47.55	47.55	48.73	60.55	61.93	52.48	9.65	10.00	23.54	30.50	
26	38.59	35.53	35.02	47.55	54.46	61.24	61.93	51.82	9.65	10.00	24.50	28.00	
27	36.04	36.04	33.00	41.85	55.78	55.12	62.62	51.82	9.65	10.00	25.50	32.00	
28	36.04	36.04	35.53	49.32	55.78	59.86	63.31	51.82	9.65	10.00	29.00	32.50	
29	34.51	32.50	34.51	49.32	56.44	53.14	63.31	40.75	10.00	10.00	29.00	32.50	
30	34.00	36.04	32.50	49.32	56.44	18.96	63.31	52.48	9.65	10.00		32.50	
31		36.55		49.91	55.78		63.31		9.65	19.40		32.50	
TOTAL	1208.72	1066.92	1121.17	1436.90	1615.32	1709.23	1751.68	1715.69	798.83	333.01	703.90	867.50	14328.85 CMSDAY
MEAN	40.29	34.42	37.37	46.35	52.11	56.97	56.51	57.19	25.77	10.74	24.27	27.98	39.15 CMS
MAX	45.78	36.55	48.14	52.48	61.24	61.24	75.60	81.28	51.82	27.00	29.00	32.50	81.28 CMS
MIN	34.00	27.00	31.00	27.00	48.14	18.96	17.64	39.65	9.65	1.80	23.08	24.50	1.80 CMS
RUNOFF	104.433	92.182	96.869	124.148	139.563	147.677	151.345	148.235	69.019	28.772	60.817	74.952	1238.012 MCM

MOMENTARY PEAK 81.28 CMS, AT 43.32 M (MSL), AT 6.00 HOURS, ON NOV 3, 1979

RUNOFF YIELD 17.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 36.22 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

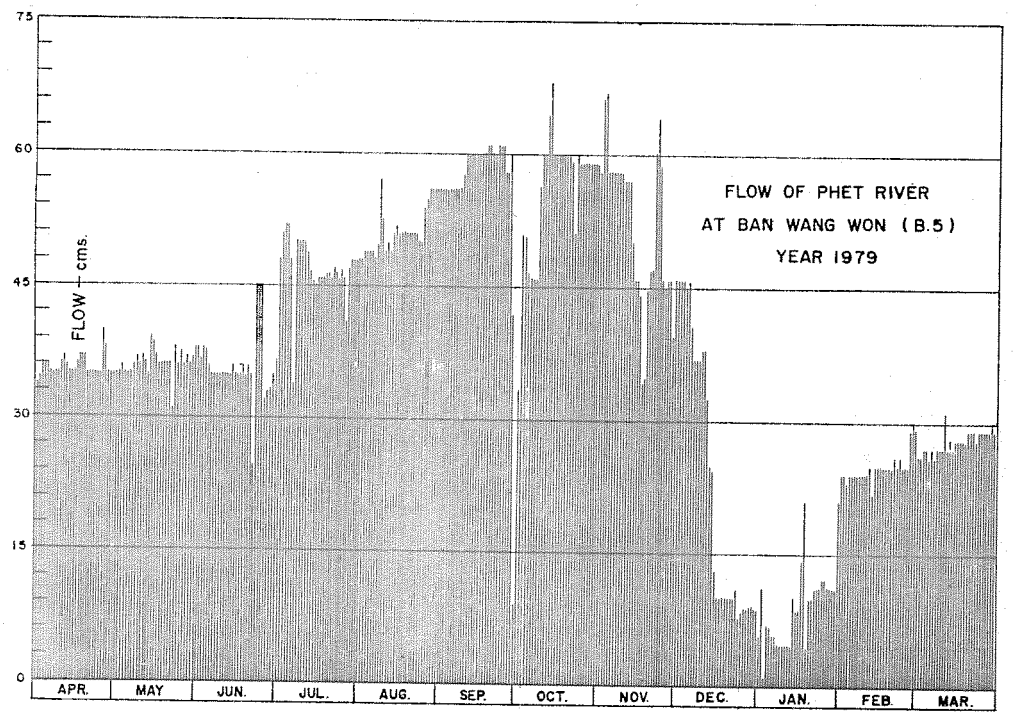
PHET RIVER AT BAN WANG WON, PHETCHABURI (B.5)

LOCATION	LAT. 12°-54'-40" N., LONG. 99°-38'-38" E., ON RIGHT BANK ABOUT 1 KILOMETER DOWNSTREAM FROM KAENG KRACHAN RESERVOIR, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	2,207 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+48.48 M. (M.S.L.)
BENCH MARK	B.M.-H.S. NO.11
LOCATION	BEHIND THE B.5 STATION OFFICE.
ELEVATION	+59.967 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1962 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1962 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1962 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 38 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	49.31	49.34	49.41	49.46	49.70	49.91	48.91	49.97	49.66	48.20	48.98	49.04	
2	49.32	49.34	49.40	49.70	49.71	49.91	49.79	50.15	49.66	48.49	48.97	49.04	
3	49.36	49.35	49.41	49.78	49.72	49.91	49.82	50.19	49.66	47.87	48.96	49.07	
4	49.36	49.33	49.42	49.80	49.72	49.92	49.72	49.97	49.62	48.27	48.98	49.08	
5	49.36	49.34	49.35	49.80	49.73	49.92	49.63	49.97	49.65	48.25	48.99	49.06	
6	49.32	49.34	49.32	49.71	49.72	49.92	49.65	49.97	49.52	48.22	48.99	49.07	
7	49.33	49.35	49.32	49.31	49.70	49.85	49.64	49.96	49.39	48.22	48.99	49.06	
8	49.34	49.36	49.32	49.76	49.76	49.92	49.66	49.96	49.39	48.13	48.99	49.08	
9	49.32	49.38	49.33	49.75	49.94	49.91	49.91	49.96	49.39	48.13	48.98	49.07	
10	49.37	49.35	49.32	49.76	49.87	49.96	50.02	49.94	49.41	48.13	48.99	49.08	
11	49.38	49.39	49.34	49.76	49.73	50.01	50.02	49.94	49.43	48.13	49.00	49.21	
12	49.37	49.36	49.33	49.73	49.75	50.02	50.11	49.94	49.23	48.13	49.02	49.09	
13	49.33	49.34	49.34	49.68	49.73	50.02	50.20	49.78	49.03	48.13	48.92	49.10	
14	49.33	49.46	49.37	49.64	49.77	50.02	50.00	49.66	48.98	48.44	49.00	49.08	
15	49.32	49.41	49.32	49.62	49.80	50.02	50.01	49.66	48.57	48.35	49.02	49.10	
16	49.36	49.38	49.33	49.65	49.78	50.02	50.01	49.60	48.44	48.36	49.01	49.11	
17	49.38	49.37	49.33	49.65	49.77	50.01	50.01	49.31	48.43	48.60	49.01	49.11	
18	49.40	49.36	49.35	49.65	49.77	50.02	50.01	49.32	48.43	48.87	49.02	49.12	
19	49.39	49.36	49.33	49.66	49.77	50.04	50.00	49.62	48.44	48.12	49.02	49.12	
20	49.32	49.36	49.35	49.67	49.77	50.03	50.00	49.68	48.44	48.42	49.03	49.14	
21	49.34	49.37	49.34	49.66	49.78	50.02	49.99	49.68	48.43	48.43	49.04	49.13	
22	49.33	49.21	49.00	49.66	49.77	50.02	49.77	49.93	48.45	48.49	49.03	49.13	
23	49.33	49.41	49.63	49.68	49.77	50.03	50.00	50.12	48.50	48.48	49.04	49.12	
24	49.33	49.37	49.63	49.66	49.76	50.03	49.99	49.80	48.31	48.49	49.03	49.14	
25	49.34	49.42	49.61	49.67	49.75	50.03	49.99	49.64	48.34	48.51	49.03	49.14	
26	49.49	49.37	49.25	49.65	49.85	49.95	49.99	49.63	48.37	48.51	49.03	49.14	
27	49.37	49.37	49.28	49.52	49.89	49.96	49.99	49.65	48.37	48.50	49.13	49.15	
28	49.33	49.39	49.25	49.68	49.90	50.00	49.99	49.65	48.38	48.49	49.17	49.16	
29	49.34	49.36	49.34	49.69	49.91	49.70	49.98	49.49	48.38	48.49	49.13	49.17	
30	49.34	49.40	49.23	49.69	49.91	48.38	49.98	49.66	48.37	48.49		49.16	
31		49.43		49.70	49.91		49.98		48.36	48.88		49.16	
MEAN	49.35	49.37	49.35	49.67	49.79	49.92	49.90	49.79	48.87	48.36	49.02	49.11	
MAX	49.49	49.46	49.63	49.80	49.94	50.04	50.20	50.19	49.66	48.88	49.17	49.21	50.20
MIN	49.31	49.21	49.00	49.31	49.70	48.38	48.91	49.31	48.31	47.87	48.92	49.04	47.87

ANNUAL MAX MOMENTARY GAGE HEIGHT 50.28 M (MSL), AT 13.00 HOURS, ON NOV 2, 1979
ZERO GAGE AT BOTTOM ELEVATION 48.48 M (MSL), RIVER BED 46.96 M (MSL)
LEFT BANK ELEVATION 59.23 M (MSL)
RIGHT BANK ELEVATION 54.02 M (MSL), DRAINAGE AREA 2207 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	34.34	35.36	37.74	39.44	48.00	56.10	21.99	58.50	46.52	5.60	24.02	25.84	
2	34.68	35.36	37.40	48.00	48.38	56.10	51.42	65.70	46.52	11.29	23.73	25.84	
3	36.04	35.70	37.74	51.04	48.76	56.10	52.58	67.30	46.52	0.84	23.44	26.77	
4	36.04	35.02	38.08	51.80	48.76	56.50	48.76	58.50	45.04	6.86	24.02	27.08	
5	36.04	35.36	35.70	51.80	49.14	56.50	45.41	58.50	46.15	6.50	24.31	26.46	
6	34.68	35.36	34.68	48.38	48.76	56.50	46.15	58.50	41.50	5.96	24.31	26.77	
7	35.02	35.70	34.68	34.34	48.00	53.75	45.78	58.10	37.06	5.96	24.31	26.46	
8	35.36	36.04	34.68	50.28	50.28	56.50	46.52	58.10	37.06	4.48	24.31	27.08	
9	34.68	36.72	35.02	49.90	57.30	56.10	56.10	58.10	37.06	4.48	24.02	26.77	
10	36.38	35.70	34.68	50.28	54.53	58.10	60.50	57.30	37.74	4.48	24.31	27.08	
11	36.72	37.06	35.36	50.28	49.14	60.10	60.50	57.30	38.42	4.48	24.60	31.12	
12	36.38	36.04	35.02	49.14	49.90	60.50	64.10	57.30	31.76	4.48	25.22	27.39	
13	35.02	35.36	35.36	47.26	49.14	60.50	67.70	51.04	25.53	4.48	22.28	27.70	
14	35.02	39.44	36.38	45.78	50.66	60.50	59.70	46.52	24.02	10.24	24.60	27.08	
15	34.68	37.74	34.68	45.04	51.80	60.50	60.10	46.52	13.11	8.40	25.22	27.70	
16	36.04	36.72	35.02	46.15	51.04	60.50	60.10	44.30	10.24	8.60	24.91	28.01	
17	36.72	36.38	35.02	46.15	50.66	60.10	60.10	34.34	10.03	13.80	24.91	28.01	
18	37.40	36.04	35.70	46.15	50.66	60.50	60.10	34.68	10.03	20.83	25.22	28.32	
19	37.06	36.04	35.02	46.52	50.66	61.30	59.70	45.04	10.24	4.32	25.22	28.32	
20	34.68	36.04	35.70	46.89	50.66	60.90	59.70	47.26	10.24	9.82	25.53	28.94	
21	35.36	36.38	35.36	46.52	51.04	60.50	59.30	47.26	10.03	10.03	25.84	28.63	
22	35.02	31.12	24.60	46.52	50.66	60.50	50.66	56.90	10.45	11.29	25.53	28.63	
23	35.02	37.74	45.41	47.26	50.66	60.90	59.70	64.50	11.50	11.08	25.84	28.32	
24	35.02	36.38	45.41	46.52	50.28	60.90	59.30	51.80	7.60	11.29	25.53	28.94	
25	35.36	38.08	44.67	46.89	49.90	60.90	59.30	45.78	8.20	11.73	25.53	28.94	
26	40.46	36.38	32.40	46.15	53.75	57.70	59.30	45.41	8.80	11.73	25.53	28.94	
27	36.38	36.38	33.36	41.50	55.31	58.10	59.30	46.15	8.80	11.50	28.63	29.25	
28	35.02	37.06	32.40	47.26	55.70	59.70	59.30	46.15	9.00	11.29	29.87	29.56	
29	35.36	36.04	35.36	47.63	56.10	48.00	58.90	40.46	9.00	11.29	28.63	29.87	
30	35.36	37.40	31.76	47.63	56.10	9.00	58.90	46.52	8.80	11.29		29.56	
31		38.42		48.00	56.10		58.90		8.60	21.12		29.56	
TOTAL	1071.34	1124.56	1074.39	1456.50	1591.83	1703.85	1729.87	1553.83	705.57	279.54	729.42	868.94	13889.61 CMSDAY
MEAN	35.71	36.28	35.81	46.98	51.35	56.79	55.80	51.79	22.76	9.02	25.15	28.03	37.95 CMS
MAX	40.46	39.44	45.41	51.80	57.30	61.30	67.70	67.30	46.52	21.12	29.87	31.12	67.70 CMS
MIN	34.34	31.12	24.60	34.34	48.00	9.00	21.99	34.34	7.60	0.84	22.28	25.84	0.84 CMS
RUNOFF	92.564	97.162	92.827	125.841	137.534	147.213	149.461	134.251	60.961	24.152	63.022	75.076	1200.062 MCM

MOMENTARY PEAK 70.90 CMS, AT 50.28 M (MSL), AT 13.00 HOURS, ON NOV 2, 1979

RUNOFF YIELD 17.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 32.13 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

HUAI MAE PRACHAN AT BAN SA YAI NON, PHETCHABURI (B.6)

LOCATION — LAT. 12°-55'-56" N., LONG. 99°-47'-05" E., ON LEFT BANK ABOUT 250 METERS UPSTREAM FROM THE BRIDGE OF KHUAN PHET-KAENG KRACHAN RESERVOIR ROAD, AMPHOE THA YANG, PHETCHABURI.

DRAINAGE AREA — 1,015 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +22.71 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — NEAR THE AUTOMATIC GAGE BUILDING.

ELEVATION — +30.274 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1941-1942, 1961 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1961 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1961 TO DATE.

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 25 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

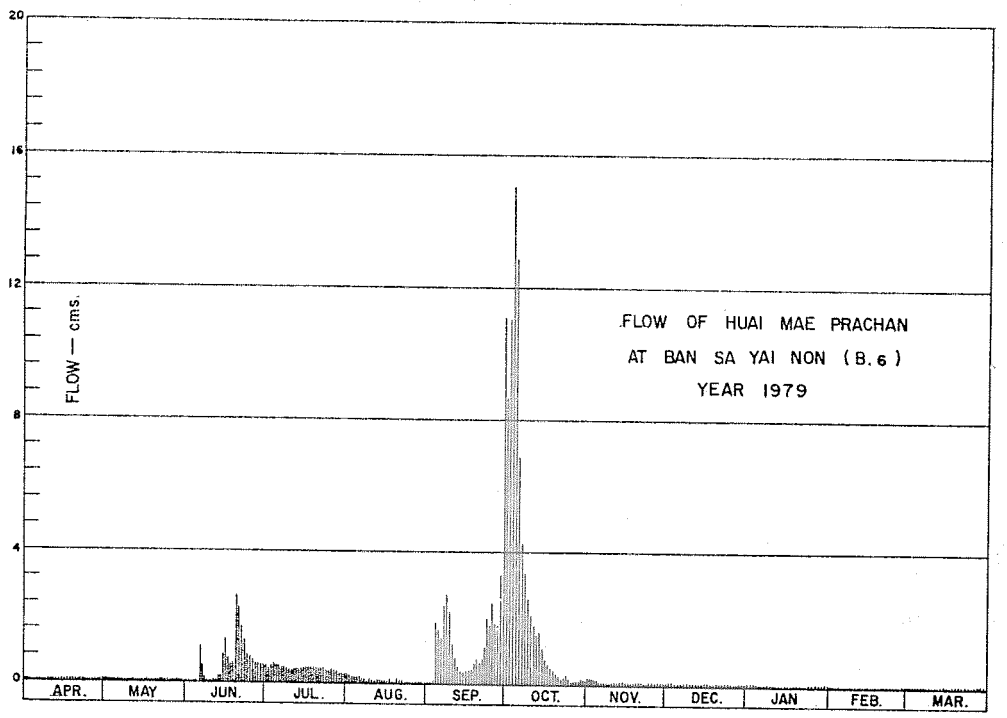
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	23.21	23.21	23.20	23.56	23.47	23.24	24.33	23.45	23.25	23.26	23.10	22.91	
2	23.21	23.21	23.20	23.54	23.46	23.24	24.42	23.45	23.24	23.26	23.10	22.91	
3	23.21	23.22	23.19	23.57	23.45	23.24	24.60	23.43	23.24	23.23	23.09	22.90	
4	23.20	23.21	23.19	23.59	23.45	23.82	24.52	23.40	23.24	23.22	23.08	22.89	
5	23.20	23.21	23.21	23.58	23.44	23.78	24.29	23.35	23.24	23.22	23.08	22.89	
6	23.20	23.21	23.70	23.57	23.43	23.74	24.15	23.34	23.24	23.24	23.06	22.88	
7	23.20	23.21	23.47	23.55	23.44	23.86	24.05	23.32	23.25	23.24	23.05	22.88	
8	23.20	23.21	23.35	23.54	23.39	23.92	23.98	23.29	23.25	23.23	23.04	22.87	
9	23.20	23.21	23.29	23.53	23.33	23.82	23.91	23.26	23.26	23.22	23.03	22.87	
10	23.20	23.21	23.28	23.52	23.33	23.75	23.86	23.26	23.27	23.22	23.02	22.86	
11	23.21	23.21	23.27	23.52	23.37	23.68	23.82	23.26	23.27	23.22	23.01	22.86	
12	23.23	23.21	23.27	23.53	23.34	23.61	23.76	23.25	23.27	23.22	23.00	22.85	
13	23.23	23.22	23.46	23.54	23.35	23.57	23.77	23.26	23.25	23.20	23.00	22.85	
14	23.23	23.21	23.43	23.54	23.34	23.53	23.69	23.26	23.24	23.19	22.99	22.85	
15	23.23	23.21	23.72	23.54	23.34	23.52	23.67	23.26	23.25	23.19	22.98	22.84	
16	23.23	23.21	23.66	23.55	23.31	23.53	23.60	23.26	23.24	23.19	22.97	22.84	
17	23.23	23.20	23.59	23.55	23.31	23.54	23.58	23.25	23.22	23.19	22.96	22.83	
18	23.23	23.20	23.59	23.55	23.35	23.52	23.55	23.24	23.20	23.19	22.96	22.83	
19	23.21	23.20	23.61	23.55	23.34	23.62	23.51	23.25	23.23	23.21	22.95	22.82	
20	23.22	23.20	23.91	23.55	23.41	23.61	23.49	23.25	23.24	23.20	22.95	22.82	
21	23.22	23.20	23.85	23.55	23.35	23.58	23.45	23.24	23.26	23.18	22.95	22.81	
22	23.22	23.20	23.76	23.55	23.30	23.62	23.42	23.24	23.26	23.17	22.94	22.81	
23	23.22	23.20	23.72	23.54	23.26	23.83	23.48	23.24	23.26	23.16	22.94	22.81	
24	23.22	23.20	23.67	23.53	23.26	23.80	23.49	23.24	23.27	23.16	22.94	22.80	
25	23.22	23.20	23.63	23.51	23.26	23.89	23.39	23.24	23.27	23.16	22.94	22.80	
26	23.22	23.20	23.62	23.53	23.26	23.85	23.30	23.24	23.26	23.15	22.94	22.80	
27	23.22	23.20	23.60	23.52	23.25	23.80	23.38	23.24	23.25	23.14	22.91	22.79	
28	23.22	23.20	23.59	23.51	23.24	23.82	23.37	23.24	23.25	23.13	22.91	22.79	
29	23.22	23.20	23.58	23.50	23.24	24.09	23.41	23.24	23.25	23.13	22.91	22.79	
30	23.21	23.20	23.57	23.49	23.24	24.43	23.41	23.25	23.25	23.12		22.79	
31		23.20		23.48	23.24		23.39		23.25	23.11		22.79	
MEAN	23.22	23.21	23.51	23.54	23.34	23.69	23.74	23.28	23.25	23.19	22.99	22.84	
MAX	23.23	23.22	23.91	23.59	23.47	24.43	24.60	23.45	23.27	23.26	23.10	22.91	24.60
MIN	23.20	23.20	23.19	23.48	23.24	23.24	23.30	23.24	23.20	23.11	22.91	22.79	22.79

ANNUAL MAX MOMENTARY GAGE HEIGHT — 24.81 M (MSL), AT 18.00 HOURS, ON OCT 3, 1979

ZERO GAGE AT BOTTOM ELEVATION — 22.71 M (MSL), RIVER BED — 22.41 M (MSL)

LEFT BANK ELEVATION — 30.50 M (MSL)

RIGHT BANK ELEVATION — 29.54 M (MSL), DRAINAGE AREA — 1015 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.49	0.25	0.02	8.65	0.21	0.02	0.02	0.00	0.00	
2	0.00	0.00	0.00	0.43	0.23	0.02	10.54	0.21	0.02	0.02	0.00	0.00	
3	0.00	0.01	0.00	0.52	0.21	0.02	15.30	0.18	0.02	0.01	0.00	0.00	
4	0.00	0.00	0.00	0.58	0.21	1.86	13.06	0.12	0.02	0.01	0.00	0.00	
5	0.00	0.00	0.00	0.55	0.20	1.58	7.87	0.08	0.02	0.01	0.00	0.00	
6	0.00	0.00	1.10	0.52	0.18	1.34	5.55	0.07	0.02	0.02	0.00	0.00	
7	0.00	0.00	0.25	0.46	0.20	2.18	4.16	0.06	0.02	0.02	0.00	0.00	
8	0.00	0.00	0.08	0.43	0.11	2.71	3.32	0.04	0.02	0.01	0.00	0.00	
9	0.00	0.00	0.04	0.40	0.06	1.86	2.60	0.02	0.02	0.01	0.00	0.00	
10	0.00	0.00	0.03	0.37	0.06	1.40	2.18	0.02	0.03	0.01	0.00	0.00	
11	0.00	0.00	0.03	0.37	0.10	1.00	1.86	0.02	0.03	0.01	0.00	0.00	
12	0.01	0.00	0.03	0.40	0.07	0.66	1.46	0.02	0.03	0.01	0.00	0.00	
13	0.01	0.01	0.23	0.43	0.08	0.52	1.52	0.02	0.02	0.00	0.00	0.00	
14	0.01	0.00	0.18	0.43	0.07	0.40	1.05	0.02	0.02	0.00	0.00	0.00	
15	0.01	0.00	1.22	0.43	0.07	0.37	0.95	0.02	0.02	0.00	0.00	0.00	
16	0.01	0.00	0.90	0.46	0.05	0.40	0.61	0.02	0.02	0.00	0.00	0.00	
17	0.01	0.00	0.58	0.46	0.05	0.43	0.55	0.02	0.01	0.00	0.00	0.00	
18	0.01	0.00	0.58	0.46	0.08	0.37	0.46	0.02	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.66	0.46	0.07	0.71	0.34	0.02	0.01	0.00	0.00	0.00	
20	0.01	0.00	2.60	0.46	0.14	0.66	0.29	0.02	0.02	0.00	0.00	0.00	
21	0.01	0.00	2.10	0.46	0.08	0.55	0.21	0.02	0.02	0.00	0.00	0.00	
22	0.01	0.00	1.46	0.46	0.04	0.71	0.16	0.02	0.02	0.00	0.00	0.00	
23	0.01	0.00	1.22	0.43	0.02	1.94	0.27	0.02	0.02	0.00	0.00	0.00	
24	0.01	0.00	0.95	0.40	0.02	1.70	0.29	0.02	0.03	0.00	0.00	0.00	
25	0.01	0.00	0.76	0.34	0.02	2.42	0.11	0.02	0.03	0.00	0.00	0.00	
26	0.01	0.00	0.71	0.40	0.02	2.10	0.04	0.02	0.02	0.00	0.00	0.00	
27	0.01	0.00	0.61	0.37	0.02	1.70	0.10	0.02	0.02	0.00	0.00	0.00	
28	0.01	0.00	0.58	0.34	0.02	1.86	0.10	0.02	0.02	0.00	0.00	0.00	
29	0.01	0.00	0.55	0.31	0.02	4.67	0.14	0.02	0.02	0.00	0.00	0.00	
30	0.00	0.00	0.52	0.29	0.02	10.78	0.14	0.02	0.02	0.00		0.00	
31		0.00		0.27	0.02		0.11		0.02	0.00		0.00	
TOTAL	0.17	0.02	17.97	13.18	2.79	46.94	83.99	1.41	0.63	0.16	0.00	0.00	167.26 CMSDAY
MEAN	0.01	0.00	0.60	0.43	0.09	1.56	2.71	0.05	0.02	0.01	0.00	0.00	0.46 CMS
MAX	0.01	0.01	2.60	0.58	0.25	10.78	15.30	0.21	0.03	0.02	0.00	0.00	15.30 CMS
MIN	0.00	0.00	0.00	0.27	0.02	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.015	0.002	1.553	1.139	0.241	4.056	7.257	0.122	0.054	0.014	0.000	0.000	14.451 MCM

MOMENTARY PEAK 21.96 CMS, AT 24.81 M (MSL), AT 18.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 0.45 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 21.64 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

HUAI MAE PRACHAN AT BAN NONG BUA, PHETCHABURI (B.7)

LOCATION — LAT. 13°-01'-45" N., LONG. 99°-44'-00" E., ON LEFT BANK AT BAN NONG BUA, AMPHOE THA YANG, PHETCHABURI.

DRAINAGE AREA — 846 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — INFRONT OF B.7 STATION OFFICE.

ELEVATION — +10.495 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 42 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

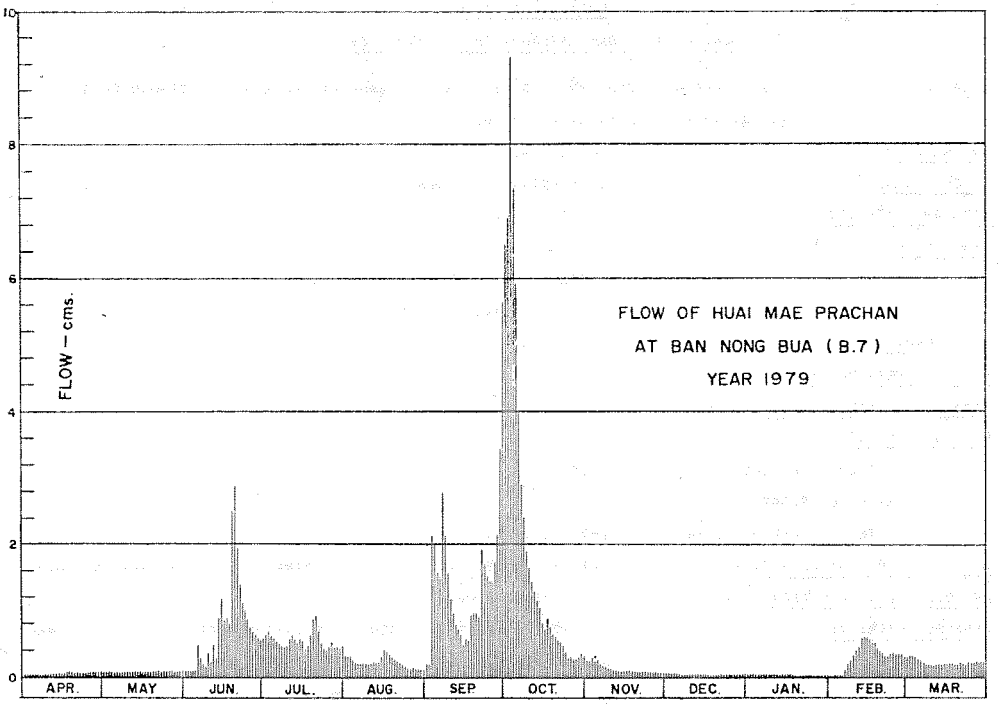
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.62	0.62	0.65	0.95	0.85	0.75	2.09	0.81	0.63	0.59	0.51	0.84	
2	0.61	0.62	0.65	0.98	0.83	0.77	2.14	0.81	0.64	0.59	0.51	0.85	
3	0.62	0.64	0.65	1.00	0.84	1.40	2.43	0.82	0.63	0.59	0.51	0.85	
4	0.62	0.65	0.65	0.97	0.79	1.37	2.20	0.80	0.63	0.58	0.53	0.84	
5	0.62	0.64	0.66	0.96	0.78	1.26	1.95	0.81	0.63	0.58	0.53	0.83	
6	0.62	0.63	0.92	0.94	0.76	1.25	1.73	0.77	0.60	0.57	0.54	0.81	
7	0.63	0.63	0.81	0.93	0.76	1.53	1.55	0.73	0.60	0.58	0.67	0.78	
8	0.62	0.62	0.73	0.91	0.76	1.38	1.45	0.73	0.60	0.58	0.76	0.78	
9	0.63	0.62	0.72	0.91	0.77	1.26	1.35	0.72	0.60	0.58	0.81	0.77	
10	0.63	0.62	0.86	0.91	0.76	1.17	1.28	0.70	0.60	0.58	0.85	0.77	
11	0.63	0.62	0.77	0.95	0.77	1.10	1.23	0.69	0.60	0.58	0.89	0.76	
12	0.62	0.62	0.92	0.98	0.79	1.05	1.19	0.69	0.60	0.58	0.91	0.77	
13	0.62	0.63	0.81	0.95	0.77	1.01	1.15	0.68	0.59	0.59	0.96	0.77	
14	0.62	0.63	1.07	0.93	0.78	0.98	1.12	0.68	0.60	0.59	0.97	0.77	
15	0.63	0.64	1.16	0.96	0.83	0.93	1.05	0.69	0.59	0.59	0.97	0.77	
16	0.63	0.64	1.06	0.94	0.89	0.96	1.01	0.68	0.59	0.59	0.96	0.77	
17	0.62	0.63	1.07	0.89	0.87	0.95	1.07	0.68	0.59	0.58	0.94	0.78	
18	0.62	0.63	1.04	0.90	0.85	1.09	1.02	0.67	0.58	0.54	0.94	0.78	
19	0.62	0.64	1.45	0.97	0.83	1.10	0.99	0.67	0.58	0.53	0.93	0.77	
20	0.63	0.64	1.54	1.07	0.81	1.07	0.97	0.66	0.57	0.53	0.89	0.77	
21	0.62	0.64	1.34	1.08	0.78	1.08	0.95	0.67	0.58	0.53	0.86	0.79	
22	0.62	0.64	1.22	0.99	0.77	1.35	0.94	0.67	0.59	0.54	0.85	0.78	
23	0.62	0.64	1.14	0.93	0.75	1.32	0.92	0.66	0.59	0.54	0.84	0.77	
24	0.62	0.65	1.10	0.89	0.73	1.26	0.86	0.66	0.58	0.54	0.86	0.78	
25	0.62	0.65	1.06	0.88	0.72	1.23	0.83	0.65	0.58	0.54	0.87	0.79	
26	0.62	0.65	1.02	0.91	0.71	1.24	0.84	0.65	0.58	0.55	0.86	0.79	
27	0.62	0.65	1.00	0.94	0.72	1.30	0.82	0.65	0.59	0.52	0.86	0.79	
28	0.62	0.65	0.98	0.91	0.71	1.35	0.82	0.64	0.59	0.51	0.86	0.79	
29	0.63	0.65	0.96	0.91	0.70	1.68	0.84	0.64	0.58	0.51	0.85	0.79	
30	0.62	0.65	0.94	0.89	0.71	1.97	0.87	0.62	0.59	0.51		0.79	
31		0.66		0.92	0.70		0.84		0.60	0.51		0.79	
MEAN	0.62	0.64	0.96	0.94	0.78	1.21	1.24	0.70	0.60	0.56	0.80	0.79	
MAX	0.63	0.66	1.54	1.08	0.89	1.97	2.43	0.82	0.64	0.59	0.97	0.85	2.43
MIN	0.61	0.62	0.65	0.88	0.70	0.75	0.82	0.62	0.57	0.51	0.51	0.76	0.51

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.46 M (A.D.), AT 10.00 HOURS, ON OCT 3, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.14 M (A.D.)

LEFT BANK ELEVATION — 10.68 M (A.D.)

RIGHT BANK ELEVATION — 8.91 M (A.D.), DRAINAGE AREA 846 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.06	0.06	0.08	0.55	0.33	0.18	6.54	0.26	0.06	0.04	0.01	0.31	
2	0.05	0.06	0.08	0.63	0.29	0.20	6.93	0.26	0.07	0.04	0.01	0.33	
3	0.06	0.07	0.08	0.68	0.31	2.16	9.32	0.28	0.06	0.04	0.01	0.33	
4	0.06	0.08	0.08	0.60	0.23	2.03	7.40	0.24	0.06	0.03	0.02	0.31	
5	0.06	0.07	0.09	0.58	0.22	1.56	5.48	0.26	0.06	0.03	0.02	0.29	
6	0.06	0.06	0.47	0.52	0.19	1.52	3.96	0.20	0.04	0.03	0.02	0.26	
7	0.06	0.06	0.26	0.50	0.19	2.80	2.91	0.16	0.04	0.03	0.10	0.22	
8	0.06	0.06	0.16	0.45	0.19	2.07	2.40	0.16	0.04	0.03	0.19	0.22	
9	0.06	0.06	0.14	0.45	0.20	1.56	1.94	0.14	0.04	0.03	0.26	0.20	
10	0.06	0.06	0.35	0.45	0.19	1.21	1.64	0.12	0.04	0.03	0.33	0.20	
11	0.06	0.06	0.20	0.55	0.20	0.97	1.44	0.11	0.04	0.03	0.40	0.19	
12	0.06	0.06	0.47	0.63	0.23	0.82	1.28	0.11	0.04	0.03	0.45	0.20	
13	0.06	0.06	0.26	0.55	0.20	0.71	1.14	0.10	0.04	0.04	0.58	0.20	
14	0.06	0.06	0.88	0.50	0.22	0.63	1.04	0.10	0.04	0.04	0.60	0.20	
15	0.06	0.07	1.18	0.58	0.29	0.50	0.82	0.11	0.04	0.04	0.60	0.20	
16	0.06	0.07	0.85	0.52	0.40	0.58	0.71	0.10	0.04	0.04	0.58	0.20	
17	0.06	0.06	0.88	0.40	0.37	0.55	0.88	0.10	0.04	0.03	0.52	0.22	
18	0.06	0.06	0.80	0.42	0.33	0.94	0.74	0.10	0.03	0.02	0.52	0.22	
19	0.06	0.07	2.40	0.60	0.29	0.97	0.65	0.10	0.03	0.02	0.50	0.20	
20	0.06	0.07	2.86	0.88	0.26	0.88	0.60	0.09	0.03	0.02	0.40	0.20	
21	0.06	0.07	1.90	0.91	0.22	0.91	0.55	0.10	0.03	0.02	0.35	0.23	
22	0.06	0.07	1.40	0.65	0.20	1.94	0.52	0.10	0.04	0.02	0.33	0.22	
23	0.06	0.07	1.11	0.50	0.18	1.81	0.47	0.09	0.04	0.02	0.31	0.20	
24	0.06	0.08	0.97	0.40	0.16	1.56	0.35	0.09	0.03	0.02	0.35	0.22	
25	0.06	0.08	0.85	0.38	0.14	1.44	0.29	0.08	0.03	0.02	0.37	0.23	
26	0.06	0.08	0.74	0.45	0.13	1.48	0.31	0.08	0.03	0.02	0.35	0.23	
27	0.06	0.08	0.68	0.52	0.14	1.72	0.28	0.08	0.04	0.02	0.35	0.23	
28	0.06	0.08	0.63	0.45	0.13	1.94	0.28	0.07	0.04	0.01	0.35	0.23	
29	0.06	0.08	0.58	0.45	0.12	3.64	0.31	0.07	0.03	0.01	0.33	0.23	
30	0.06	0.08	0.52	0.40	0.13	5.62	0.37	0.06	0.04	0.01		0.23	
31		0.09		0.47	0.12		0.31		0.04	0.01		0.23	
TOTAL	1.79	2.14	21.95	16.62	6.80	44.90	61.86	3.92	1.27	0.82	9.21	7.18	178.46 CMSDAY
MEAN	0.06	0.07	0.73	0.54	0.22	1.50	2.00	0.13	0.04	0.03	0.32	0.23	0.49 CMS
MAX	0.06	0.09	2.86	0.91	0.40	5.62	9.32	0.28	0.07	0.04	0.60	0.33	9.32 CMS
MIN	0.05	0.06	0.08	0.38	0.12	0.18	0.28	0.06	0.03	0.01	0.01	0.19	0.01 CMS
RUNOFF	0.155	0.185	1.896	1.436	0.588	3.879	5.345	0.339	0.110	0.071	0.796	0.620	15.419 MCM

MOMENTARY PEAK 9.58 CMS, AT 2.46 M (A.D), AT 10.00 HOURS, ON OCT 3, 1979

RUNOFF YIELD 0.58 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 11.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PHET RIVER BASIN

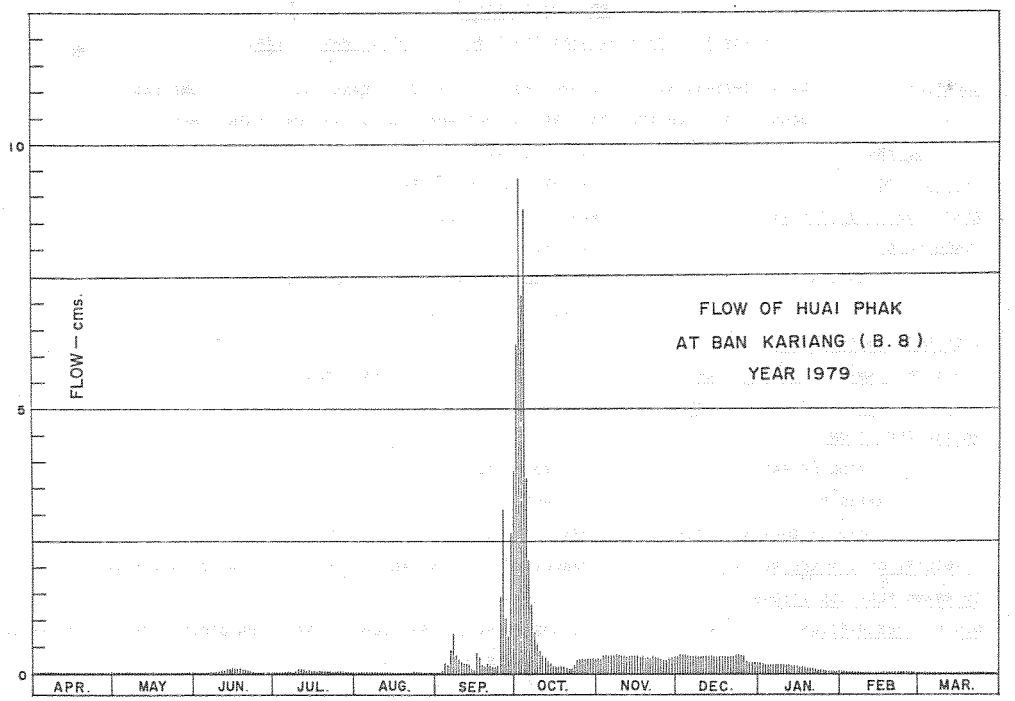
HUAI PHAK AT BAN KARIANG, PHETCHABURI (B.8)

LOCATION	LAT. 12°-48'-49" N., LONG. 99°-41'-32" E., ON LEFT BANK AT BAN KARIANG, TAMBON SONG PHI NONG, AMPHOE THA YANG, PHETCHABURI.
DRAINAGE AREA	264 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	INFRONT OF GAGE OBSERVER'S HOUSE.
ELEVATION	+8.879 M. (A.D.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1973 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1973 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 12 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.43	1.20	1.20	1.62	1.60	1.60	2.93	1.89	1.93	1.85	1.62	1.30	
2	1.36	1.20	1.23	1.61	1.60	1.60	3.48	1.89	1.95	1.83	1.61	1.29	
3	1.35	1.20	1.25	1.61	1.61	1.69	3.25	1.92	1.94	1.82	1.60	1.28	
4	1.35	1.20	1.27	1.60	1.62	1.84	3.42	1.94	1.94	1.82	1.60	1.28	
5	1.35	1.20	1.30	1.60	1.62	1.82	2.81	1.94	1.94	1.82	1.60	1.28	
6	1.34	1.20	1.44	1.62	1.62	2.01	2.52	1.94	1.93	1.82	1.58	1.28	
7	1.33	1.19	1.51	1.62	1.62	2.15	2.32	1.93	1.93	1.82	1.58	1.27	
8	1.33	1.19	1.54	1.62	1.62	1.95	2.17	1.94	1.92	1.82	1.56	1.27	
9	1.33	1.19	1.61	1.65	1.62	1.89	2.06	1.94	1.92	1.82	1.56	1.27	
10	1.33	1.19	1.68	1.71	1.62	1.86	1.99	1.93	1.92	1.82	1.53	1.27	
11	1.33	1.19	1.69	1.73	1.63	1.84	1.93	1.93	1.92	1.81	1.50	1.27	
12	1.33	1.19	1.70	1.73	1.62	1.84	1.89	1.92	1.92	1.81	1.47	1.26	
13	1.33	1.19	1.73	1.71	1.60	1.84	1.86	1.93	1.93	1.81	1.43	1.26	
14	1.33	1.19	1.74	1.69	1.60	1.76	1.83	1.94	1.92	1.80	1.41	1.26	
15	1.33	1.19	1.75	1.69	1.59	1.70	1.81	1.94	1.92	1.80	1.40	1.26	
16	1.32	1.19	1.75	1.67	1.59	1.97	1.79	1.93	1.92	1.79	1.39	1.26	
17	1.31	1.19	1.75	1.68	1.59	1.91	1.79	1.92	1.92	1.79	1.38	1.26	
18	1.31	1.19	1.77	1.68	1.59	1.83	1.79	1.92	1.92	1.79	1.37	1.25	
19	1.30	1.19	1.73	1.68	1.58	1.80	1.79	1.91	1.92	1.76	1.37	1.25	
20	1.30	1.19	1.72	1.68	1.57	1.84	1.77	1.91	1.93	1.75	1.34	1.25	
21	1.28	1.19	1.70	1.67	1.56	1.80	1.76	1.91	1.93	1.74	1.34	1.25	
22	1.28	1.19	1.68	1.67	1.56	1.79	1.75	1.93	1.93	1.72	1.34	1.24	
23	1.28	1.19	1.67	1.64	1.56	1.78	1.80	1.92	1.94	1.70	1.33	1.24	
24	1.25	1.18	1.65	1.64	1.54	1.76	1.88	1.91	1.94	1.70	1.33	1.24	
25	1.22	1.18	1.64	1.64	1.56	2.32	1.89	1.89	1.94	1.70	1.32	1.24	
26	1.20	1.18	1.63	1.65	1.56	2.70	1.89	1.87	1.93	1.68	1.31	1.24	
27	1.20	1.18	1.63	1.65	1.56	2.25	1.89	1.87	1.87	1.64	1.31	1.24	
28	1.20	1.18	1.64	1.64	1.57	2.13	1.89	1.89	1.84	1.63	1.30	1.24	
29	1.20	1.18	1.65	1.64	1.56	2.45	1.89	1.91	1.84	1.62	1.30	1.23	
30	1.20	1.18	1.63	1.64	1.56	2.83	1.89	1.92	1.85	1.62		1.23	
31		1.18		1.64	1.59		1.89		1.86	1.62		1.22	
MEAN	1.30	1.19	1.60	1.66	1.59	1.95	2.12	1.92	1.92	1.76	1.44	1.26	
MAX	1.43	1.20	1.77	1.73	1.63	2.83	3.48	1.94	1.95	1.85	1.62	1.30	3.48
MIN	1.20	1.18	1.20	1.60	1.54	1.60	1.75	1.87	1.84	1.62	1.30	1.22	1.18

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.22 M (A.D), AT 24:00 HOURS, ON OCT 3, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.59 M (A.D)
LEFT BANK ELEVATION 8.48 M (A.D)
RIGHT BANK ELEVATION 8.62 M (A.D), DRAINAGE AREA 264 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.03	0.02	0.02	4.52	0.28	0.34	0.22	0.03	0.00	
2	0.00	0.00	0.00	0.02	0.02	0.02	9.39	0.28	0.37	0.19	0.02	0.00	
3	0.00	0.00	0.00	0.02	0.02	0.06	7.15	0.33	0.36	0.18	0.02	0.00	
4	0.00	0.00	0.00	0.02	0.03	0.21	8.76	0.36	0.36	0.18	0.02	0.00	
5	0.00	0.00	0.00	0.02	0.03	0.18	3.72	0.36	0.36	0.18	0.02	0.00	
6	0.00	0.00	0.00	0.03	0.03	0.47	2.15	0.36	0.34	0.18	0.02	0.00	
7	0.00	0.00	0.00	0.03	0.03	0.77	1.28	0.34	0.34	0.18	0.01	0.00	
8	0.00	0.00	0.01	0.03	0.03	0.37	0.82	0.36	0.33	0.18	0.01	0.00	
9	0.00	0.00	0.02	0.04	0.03	0.28	0.57	0.36	0.33	0.18	0.01	0.00	
10	0.00	0.00	0.05	0.07	0.03	0.24	0.43	0.34	0.33	0.18	0.00	0.00	
11	0.00	0.00	0.06	0.09	0.03	0.21	0.34	0.34	0.33	0.16	0.00	0.00	
12	0.00	0.00	0.06	0.09	0.03	0.21	0.28	0.33	0.33	0.16	0.00	0.00	
13	0.00	0.00	0.09	0.07	0.02	0.21	0.24	0.34	0.34	0.16	0.00	0.00	
14	0.00	0.00	0.10	0.06	0.02	0.11	0.19	0.36	0.33	0.15	0.00	0.00	
15	0.00	0.00	0.11	0.06	0.02	0.06	0.16	0.36	0.33	0.15	0.00	0.00	
16	0.00	0.00	0.11	0.05	0.02	0.40	0.14	0.34	0.33	0.14	0.00	0.00	
17	0.00	0.00	0.11	0.05	0.02	0.31	0.14	0.33	0.33	0.14	0.00	0.00	
18	0.00	0.00	0.12	0.05	0.02	0.19	0.14	0.33	0.33	0.14	0.00	0.00	
19	0.00	0.00	0.09	0.05	0.02	0.15	0.14	0.31	0.33	0.11	0.00	0.00	
20	0.00	0.00	0.08	0.05	0.01	0.21	0.12	0.31	0.34	0.11	0.00	0.00	
21	0.00	0.00	0.06	0.05	0.01	0.15	0.11	0.31	0.34	0.10	0.00	0.00	
22	0.00	0.00	0.05	0.05	0.01	0.14	0.11	0.34	0.34	0.08	0.00	0.00	
23	0.00	0.00	0.05	0.04	0.01	0.13	0.15	0.33	0.36	0.06	0.00	0.00	
24	0.00	0.00	0.04	0.04	0.01	0.11	0.27	0.31	0.36	0.06	0.00	0.00	
25	0.00	0.00	0.04	0.04	0.01	1.28	0.28	0.28	0.36	0.06	0.00	0.00	
26	0.00	0.00	0.03	0.04	0.01	3.10	0.28	0.25	0.34	0.05	0.00	0.00	
27	0.00	0.00	0.03	0.04	0.01	1.05	0.28	0.25	0.25	0.04	0.00	0.00	
28	0.00	0.00	0.04	0.04	0.01	0.72	0.28	0.28	0.21	0.03	0.00	0.00	
29	0.00	0.00	0.04	0.04	0.01	1.82	0.28	0.31	0.21	0.03	0.00	0.00	
30	0.00	0.00	0.03	0.04	0.01	3.85	0.28	0.33	0.22	0.03		0.00	
31		0.00		0.04	0.02		0.28		0.24	0.03		0.00	
TOTAL	0.00	0.00	1.42	1.39	0.60	17.03	43.28	9.71	10.01	3.84	0.16	0.00	87.44 CMSDAY
MEAN	0.00	0.00	0.05	0.04	0.02	0.57	1.40	0.32	0.32	0.12	0.01	0.00	0.24 CMS
MAX	0.00	0.00	0.12	0.09	0.03	3.85	9.39	0.36	0.37	0.22	0.03	0.00	9.39 CMS
MIN	0.00	0.00	0.00	0.02	0.01	0.02	0.11	0.25	0.21	0.03	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.123	0.120	0.052	1.471	3.739	0.839	0.865	0.332	0.014	0.000	7.555 MCM

MOMENTARY PEAK 18.00 CMS, AT 4.22 M (A.D), AT 24.00 HOURS, ON OCT 3, 1979
RUNOFF YIELD 0.91 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 68.18 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

PRAN RIVER BASIN

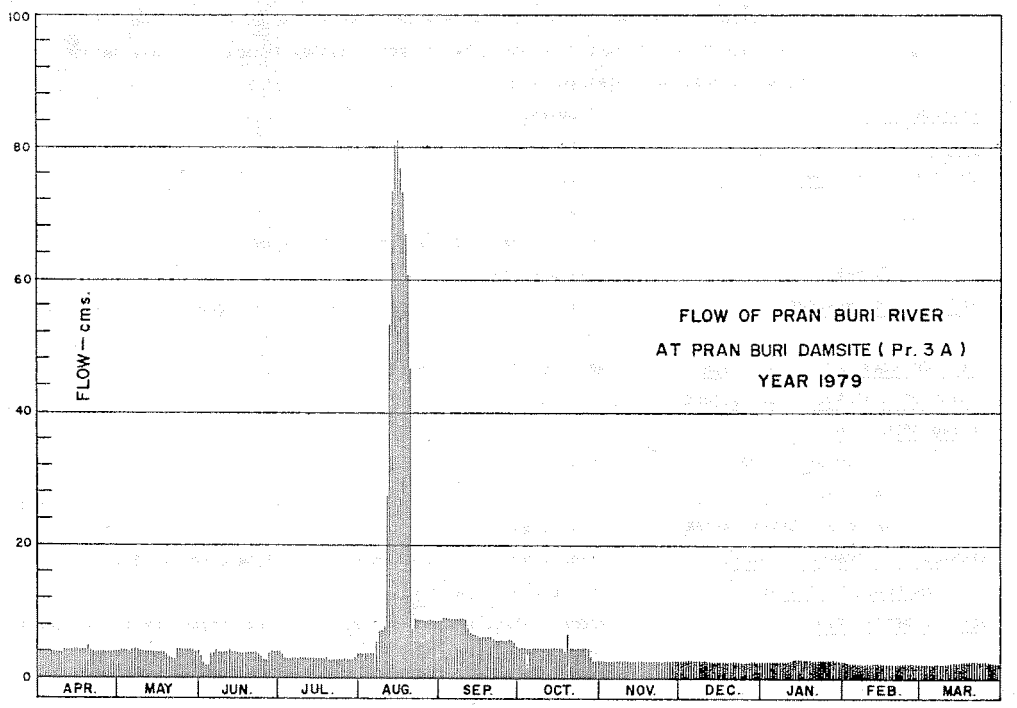
PRAN RIVER AT PRAN BURI DAMSITE, PRACHUAP KHIRI KHAN (PR.3A)

LOCATION	LAT. 12-23-59 N., LONG. 99-48-37 E., ON RIGHT BANK ABOUT 1.5 KILOMETERS DOWNSTREAM FROM PRAN DAMSITE, AMPHOE PRAN BURI, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	2,067 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+13.80 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE AUTOMATIC GAGE BUILDING.
ELEVATION	+26.267 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1968 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1968 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1968 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 107 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	15.58	15.60	15.59	15.60	15.57	15.99	15.66	15.49	15.49	15.48	15.45	15.44	
2	15.58	15.60	15.40	15.56	15.57	15.98	15.66	15.49	15.49	15.48	15.45	15.44	
3	15.58	15.60	15.41	15.50	15.58	15.94	15.66	15.49	15.49	15.48	15.45	15.44	
4	15.58	15.60	15.40	15.50	15.58	15.94	15.66	15.49	15.49	15.48	15.44	15.44	
5	15.58	15.60	15.56	15.50	15.58	15.94	15.66	15.49	15.49	15.48	15.44	15.44	
6	15.58	15.60	15.59	15.50	15.59	15.93	15.66	15.49	15.49	15.48	15.44	15.44	
7	15.58	15.60	15.59	15.50	15.71	15.93	15.66	15.49	15.49	15.48	15.44	15.44	
8	15.58	15.60	15.62	15.50	15.84	15.93	15.66	15.49	15.49	15.48	15.44	15.44	
9	15.58	15.60	15.60	15.50	15.84	15.93	15.66	15.49	15.49	15.48	15.44	15.44	
10	15.63	15.60	15.59	15.50	15.90	15.93	15.66	15.49	15.49	15.48	15.44	15.44	
11	15.62	15.60	15.59	15.50	16.92	15.88	15.66	15.49	15.49	15.48	15.44	15.46	
12	15.59	15.61	15.62	15.50	18.22	15.79	15.66	15.49	15.48	15.48	15.44	15.47	
13	15.63	15.61	15.60	15.50	19.05	15.79	15.66	15.49	15.48	15.48	15.44	15.47	
14	15.62	15.60	15.59	15.50	19.33	15.79	15.66	15.49	15.48	15.49	15.44	15.47	
15	15.62	15.56	15.59	15.50	19.36	15.78	15.66	15.49	15.48	15.49	15.44	15.47	
16	15.62	15.53	15.59	15.50	19.26	15.78	15.66	15.49	15.48	15.49	15.44	15.48	
17	15.62	15.48	15.59	15.50	19.04	15.78	15.66	15.49	15.48	15.49	15.44	15.48	
18	15.61	15.47	15.59	15.50	18.79	15.78	15.62	15.49	15.48	15.49	15.44	15.47	
19	15.68	15.47	15.59	15.51	18.54	15.78	15.85	15.49	15.48	15.49	15.44	15.47	
20	15.63	15.47	15.59	15.50	17.93	15.78	15.66	15.49	15.48	15.49	15.44	15.47	
21	15.59	15.47	15.59	15.50	15.83	15.75	15.66	15.49	15.48	15.49	15.44	15.47	
22	15.59	15.50	15.59	15.50	15.99	15.75	15.66	15.49	15.48	15.49	15.44	15.47	
23	15.59	15.61	15.55	15.50	15.98	15.75	15.66	15.49	15.48	15.49	15.44	15.47	
24	15.59	15.61	15.50	15.50	15.97	15.75	15.66	15.49	15.48	15.49	15.44	15.46	
25	15.59	15.61	15.49	15.50	15.97	15.75	15.66	15.49	15.48	15.49	15.44	15.46	
26	15.59	15.61	15.56	15.50	15.97	15.75	15.66	15.49	15.48	15.49	15.44	15.46	
27	15.59	15.61	15.60	15.51	15.97	15.75	15.66	15.49	15.48	15.49	15.44	15.46	
28	15.59	15.61	15.60	15.50	15.97	15.75	15.54	15.49	15.48	15.49	15.44	15.46	
29	15.60	15.61	15.60	15.50	15.97	15.70	15.49	15.49	15.48	15.49	15.44	15.46	
30	15.60	15.61	15.60	15.53	15.97	15.66	15.49	15.49	15.48	15.47		15.46	
31		15.60		15.57	15.97		15.49		15.48	15.45		15.47	
MEAN	15.60	15.58	15.57	15.51	16.73	15.82	15.64	15.49	15.48	15.48	15.44	15.46	
MAX	15.68	15.61	15.62	15.60	19.36	15.99	15.85	15.49	15.49	15.49	15.45	15.48	19.36
MIN	15.58	15.47	15.40	15.50	15.57	15.66	15.49	15.49	15.48	15.45	15.44	15.44	15.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.38 M (MSL), AT 1.00 HOURS, ON AUG 15, 1979
ZERO GAGE AT BOTTOM ELEVATION 13.80 M (MSL), RIVER BED 13.63 M (MSL)
LEFT BANK ELEVATION 26.04 M (MSL)
RIGHT BANK ELEVATION 26.89 M (MSL), DRAINAGE AREA 2067 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.78	4.00	3.89	4.00	3.67	9.15	4.76	2.79	2.79	2.68	2.35	2.24	
2	3.78	4.00	1.80	3.56	3.67	9.00	4.76	2.79	2.79	2.68	2.35	2.24	
3	3.78	4.00	1.91	2.90	3.78	8.40	4.76	2.79	2.79	2.68	2.35	2.24	
4	3.78	4.00	1.80	2.90	3.78	8.40	4.76	2.79	2.79	2.68	2.24	2.24	
5	3.78	4.00	3.56	2.90	3.78	8.40	4.76	2.79	2.79	2.68	2.24	2.24	
6	3.78	4.00	3.89	2.90	3.89	8.25	4.76	2.79	2.79	2.68	2.24	2.24	
7	3.78	4.00	3.89	2.90	5.39	8.25	4.76	2.79	2.79	2.68	2.24	2.24	
8	3.78	4.00	4.25	2.90	7.04	8.25	4.76	2.79	2.79	2.68	2.24	2.24	
9	3.78	4.00	4.00	2.90	7.04	8.25	4.76	2.79	2.79	2.68	2.24	2.24	
10	4.38	4.00	3.89	2.90	7.80	8.25	4.76	2.79	2.79	2.68	2.24	2.24	
11	4.25	4.00	3.89	2.90	25.26	7.55	4.76	2.79	2.79	2.68	2.24	2.46	
12	3.89	4.13	4.25	2.90	53.36	6.41	4.76	2.79	2.68	2.68	2.24	2.57	
13	4.38	4.13	4.00	2.90	73.45	6.41	4.76	2.79	2.68	2.68	2.24	2.57	
14	4.25	4.00	3.89	2.90	80.45	6.41	4.76	2.79	2.68	2.79	2.24	2.57	
15	4.25	3.56	3.89	2.90	81.20	6.28	4.76	2.79	2.68	2.79	2.24	2.57	
16	4.25	3.23	3.89	2.90	78.70	6.28	4.76	2.79	2.68	2.79	2.24	2.68	
17	4.25	2.68	3.89	2.90	73.20	6.28	4.76	2.79	2.68	2.79	2.24	2.68	
18	4.13	2.57	3.89	2.90	66.96	6.28	4.25	2.79	2.68	2.79	2.24	2.57	
19	5.01	2.57	3.89	3.01	60.96	6.28	7.17	2.79	2.68	2.79	2.24	2.57	
20	4.38	2.57	3.89	2.90	46.69	6.28	4.76	2.79	2.68	2.79	2.24	2.57	
21	3.89	2.57	3.89	2.90	6.91	5.90	4.76	2.79	2.68	2.79	2.24	2.57	
22	3.89	2.90	3.89	2.90	9.15	5.90	4.76	2.79	2.68	2.79	2.24	2.57	
23	3.89	4.13	3.45	2.90	9.00	5.90	4.76	2.79	2.68	2.79	2.24	2.57	
24	3.89	4.13	2.90	2.90	8.85	5.90	4.76	2.79	2.68	2.79	2.24	2.46	
25	3.89	4.13	2.79	2.90	8.85	5.90	4.76	2.79	2.68	2.79	2.24	2.46	
26	3.89	4.13	3.56	2.90	8.85	5.90	4.76	2.79	2.68	2.79	2.24	2.46	
27	3.89	4.13	4.00	3.01	8.85	5.90	4.76	2.79	2.68	2.79	2.24	2.46	
28	3.89	4.13	4.00	2.90	8.85	5.90	3.34	2.79	2.68	2.79	2.24	2.46	
29	4.00	4.13	4.00	2.90	8.85	5.27	2.79	2.79	2.68	2.79	2.24	2.46	
30	4.00	4.13	4.00	3.23	8.85	4.76	2.79	2.79	2.68	2.57		2.46	
31		4.00		3.67	8.85		2.79		2.68	2.35		2.57	
TOTAL	120.56	115.95	108.73	92.98	785.93	206.29	142.13	83.70	84.29	84.40	65.29	75.71	1965.96 CMSDAY
MEAN	4.02	3.74	3.62	3.00	25.35	6.88	4.58	2.79	2.72	2.72	2.25	2.44	5.37 CMS
MAX	5.01	4.13	4.25	4.00	81.20	9.15	7.17	2.79	2.79	2.79	2.35	2.68	81.20 CMS
MIN	3.78	2.57	1.80	2.90	3.67	4.76	2.79	2.79	2.68	2.35	2.24	2.24	1.80 CMS
RUNOFF	10.416	10.018	9.394	8.033	67.904	17.823	12.280	7.232	7.283	7.292	5.641	6.541	169.859 MCM

MOMENTARY PEAK 81.70 CMS, AT 19.38 M (MSL), AT 1.00 HOURS, ON AUG 15, 1979

RUNOFF YIELD 2.60 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 39.53 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

TRIBUTARIES TO THE GULF OF THAILAND

KHLONG KUI AT BAN PONG KASANG, PRACHUAP KHIRI KHAN (KY.2)

LOCATION — LAT. 12°06'55" N., LONG. 99°44'20" E., ON RIGHT BANK AT THE CULVERT OF THE LEFT IRRIGATION CANAL OF YANG CHUM PROJECT, BAN PONG KASANG, TAMBON HAD KHAM, AMPHOE KUI BURI, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 92 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK AT THE FOOT OF THE SLING POLE.

ELEVATION — +7.405 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1979 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

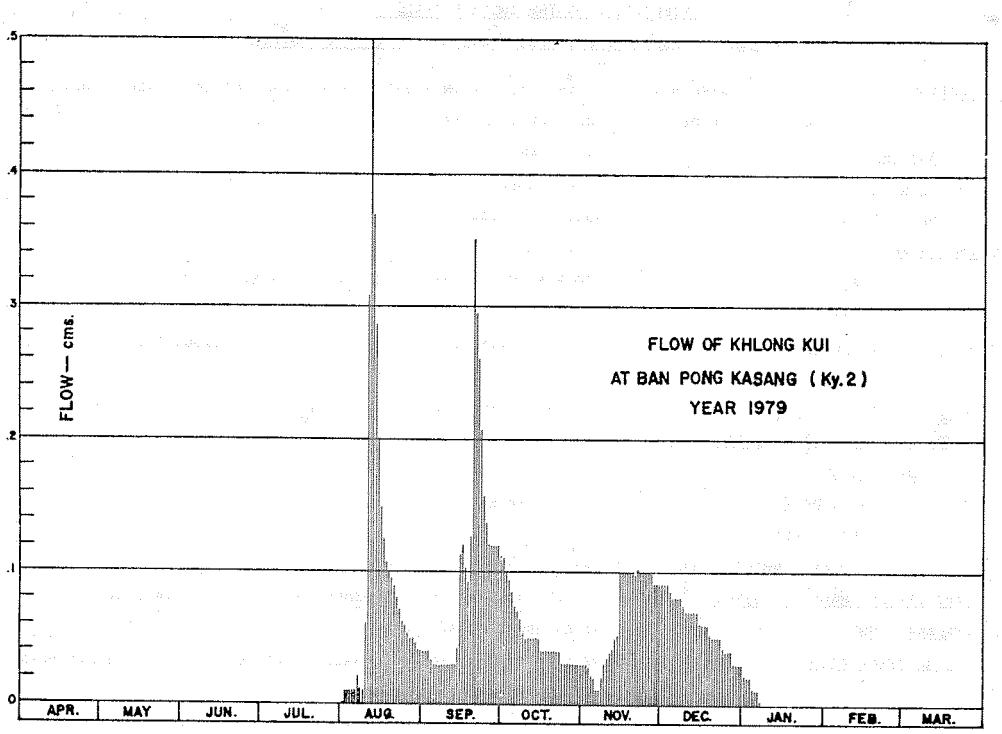
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.04	0.11	0.03	0.09	0.02	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.01	0.04	0.11	0.03	0.09	0.02	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.01	0.04	0.10	0.03	0.09	0.02	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.01	0.03	0.09	0.02	0.08	0.01	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.02	0.08	0.01	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.01	0.08	0.01	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.02	0.03	0.07	0.01	0.08	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.02	0.08	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.03	0.07	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.06	0.03	0.05	0.03	0.07	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.33	0.03	0.05	0.04	0.07	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.58	0.03	0.05	0.04	0.07	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.36	0.03	0.05	0.05	0.07	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.27	0.04	0.05	0.05	0.07	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.18	0.11	0.05	0.10	0.06	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.14	0.12	0.04	0.10	0.06	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.12	0.10	0.04	0.10	0.06	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.10	0.09	0.04	0.10	0.06	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.10	0.12	0.04	0.10	0.05	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.09	0.35	0.04	0.10	0.05	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.09	0.31	0.04	0.10	0.05	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.08	0.25	0.04	0.10	0.05	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.07	0.18	0.04	0.10	0.05	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.06	0.15	0.03	0.10	0.04	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.06	0.13	0.03	0.10	0.04	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.05	0.12	0.03	0.10	0.04	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.05	0.12	0.03	0.10	0.04	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.05	0.12	0.03	0.09	0.03	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.04	0.12	0.03	0.09	0.03	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.04	0.12	0.03	0.09	0.03	0.00		0.00	
31		0.00		0.00	0.04		0.03		0.03	0.00		0.00	
MEAN	0.00	0.00	0.00	0.00	0.10	0.10	0.05	0.07	0.06	0.00	0.00	0.00	
MAX	0.00	0.00	0.00	0.00	0.58	0.35	0.11	0.10	0.09	0.02	0.00	0.00	0.58
MIN	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.01	0.03	0.00	0.00	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT 0.74 M (A.D.), AT 17.00 HOURS, ON AUG 11, 1979

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

LEFT BANK ELEVATION M (A.D.)

RIGHT BANK ELEVATION M (A.D.); DRAINAGE AREA 92 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.03	0.01	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.03	0.01	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.03	0.01	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.02	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.02	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.18	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.57	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.20	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.13	0.01	0.01	0.01	0.02	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.07	0.03	0.01	0.03	0.02	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.05	0.04	0.01	0.03	0.02	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.04	0.03	0.01	0.03	0.02	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.03	0.03	0.01	0.03	0.02	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.03	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.03	0.19	0.01	0.03	0.01	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.03	0.16	0.01	0.03	0.01	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.02	0.11	0.01	0.03	0.01	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.02	0.07	0.01	0.03	0.01	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.02	0.05	0.01	0.03	0.01	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.02	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.03	0.01	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.03	0.01	0.00		0.00	
31		0.00		0.00	0.01		0.01		0.01	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	1.53	1.13	0.43	0.60	0.52	0.03	0.00	0.00	4.24 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.05	0.04	0.01	0.02	0.02	0.00	0.00	0.00	0.01 CMS
MAX	0.00	0.00	0.00	0.00	0.57	0.19	0.03	0.03	0.03	0.01	0.00	0.00	0.57 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	0.132	0.098	0.037	0.052	0.045	0.003	0.000	0.000	0.366 MCM

MOMENTARY PEAK 1.13 CMS, AT 0.74 M (A.D), AT 17.00 HOURS, ON AUG 11, 1979

RUNOFF YIELD 0.13 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 12.24 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

TRIBUTARIES TO THE GULF OF THAILAND

KHLONG BUNG AT BAN WANG SAI DING, PRACHUAP KHIRI KHAN (GT.5)

LOCATION — LAT. 11°55'46" N., LONG. 99°42'56" E., ON RIGHT BANK AT BAN WANG SAI DING, TAMBON AO NOI, AMPHOE MUANG, PRACHUAP KHIRI KHAN.

DRAINAGE AREA — 141 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 3 METERS EAST OF STATION OFFICE.

ELEVATION — +5.665 M. (A.D.)

GAGE READING FREQUENCY — 16-TIME DAILY READINGS AT 03.00, 06.00-18.00, 21.00 AND 24.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 16 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1975 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1975 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1975 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 33 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

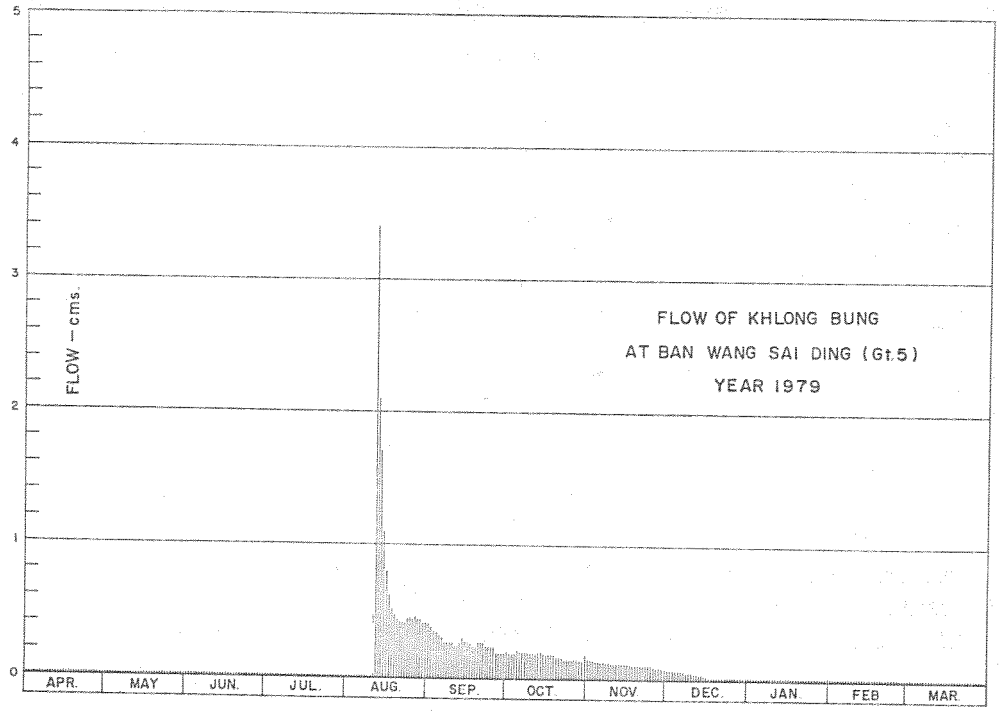
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	2.06	1.96	1.94	1.89	0.67	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	2.05	1.96	1.94	1.89	0.55	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	2.04	1.96	1.93	1.88	0.44	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	2.04	1.96	1.93	1.88	0.34	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	2.03	1.98	1.93	1.86	0.26	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	2.03	1.97	1.93	1.87	0.22	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	2.01	1.97	1.93	1.87	0.17	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	2.01	1.97	1.93	1.86	0.13	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	2.01	1.97	1.93	1.86	0.09	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	2.01	1.97	1.92	1.86	0.06	0.00	0.00	
11	0.00	0.00	0.00	0.00	1.20	2.00	1.97	1.92	1.85	0.03	0.00	0.00	
12	0.00	0.00	0.00	0.00	2.49	2.00	1.97	1.92	1.85	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	2.35	2.01	1.97	1.92	1.84	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	2.30	2.02	1.97	1.92	1.84	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	2.22	2.01	1.96	1.92	1.83	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	2.15	2.01	1.96	1.91	1.83	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	2.12	2.01	1.96	1.91	1.82	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	2.10	2.00	1.96	1.91	1.81	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	2.08	2.00	1.95	1.91	1.79	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	2.07	2.01	1.95	1.91	1.78	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	2.06	2.01	1.95	1.91	1.75	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	2.06	2.01	1.95	1.91	1.71	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	2.06	2.00	1.94	1.91	1.66	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	2.07	2.00	1.94	1.91	1.61	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	2.07	2.00	1.94	1.91	1.53	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	2.07	2.00	1.94	1.90	1.45	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	2.08	1.97	1.94	1.89	1.27	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	2.07	1.97	1.94	1.89	1.12	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	2.07	1.97	1.94	1.89	1.04	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	2.06	1.97	1.94	1.89	0.95	0.00		0.00	
31		0.00		0.00	2.06		1.96		0.81	0.00		0.00	
MEAN	0.00	0.00	0.00	0.00	1.41	2.01	1.96	1.92	1.67	0.10	0.00	0.00	
MAX	0.00	0.00	0.00	0.00	2.49	2.06	1.98	1.94	1.89	0.67	0.00	0.00	2.49
MIN	0.00	0.00	0.00	0.00	0.00	1.97	1.94	1.89	0.81	0.00	0.00	0.00	0.00

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.55 M (A.D), AT 6.00 HOURS, ON AUG 12, 1979

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

LEFT BANK ELEVATION — 5.35 M (A.D)

RIGHT BANK ELEVATION — 5.61 M (A.D), DRAINAGE AREA 141 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.00	0.00	0.41	0.18	0.14	0.07	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.38	0.18	0.14	0.07	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.35	0.18	0.13	0.06	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.35	0.18	0.13	0.06	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.32	0.21	0.13	0.06	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.32	0.19	0.13	0.06	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.27	0.19	0.13	0.06	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.27	0.19	0.13	0.05	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.27	0.19	0.13	0.05	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.27	0.19	0.11	0.05	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.24	0.19	0.11	0.04	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	3.40	0.24	0.19	0.11	0.04	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	2.10	0.27	0.19	0.11	0.03	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	1.70	0.30	0.19	0.11	0.03	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	1.17	0.27	0.18	0.11	0.02	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.78	0.27	0.18	0.10	0.02	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.62	0.27	0.18	0.10	0.02	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.52	0.24	0.18	0.10	0.01	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.46	0.24	0.18	0.10	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.44	0.27	0.16	0.10	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.41	0.27	0.16	0.10	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.41	0.27	0.16	0.10	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.41	0.24	0.14	0.10	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.44	0.24	0.14	0.10	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.44	0.24	0.14	0.10	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.44	0.24	0.14	0.08	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.46	0.19	0.14	0.07	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.44	0.19	0.14	0.07	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.44	0.19	0.14	0.07	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.41	0.19	0.14	0.07	0.00	0.00		0.00	
31		0.00		0.00	0.41		0.18		0.00	0.00		0.00	
TOTAL	0.00	0.00	0.00	0.00	15.90	8.08	5.32	3.21	0.80	0.00	0.00	0.00	33.31 CMSDAY
MEAN	0.00	0.00	0.00	0.00	0.51	0.27	0.17	0.11	0.03	0.00	0.00	0.00	0.09 CMS
MAX	0.00	0.00	0.00	0.00	3.40	0.41	0.21	0.14	0.07	0.00	0.00	0.00	3.40 CMS
MIN	0.00	0.00	0.00	0.00	0.00	0.19	0.14	0.07	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.000	0.000	0.000	1.374	0.698	0.460	0.277	0.069	0.000	0.000	0.000	2.878 MCM

MOMENTARY PEAK 4.13 CMS, AT 2.55 M (A.D), AT 6.00 HOURS, ON AUG 12, 1979
RUNOFF YIELD 0.65 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 29.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

TRIBUTARIES TO THE GULF OF THAILAND

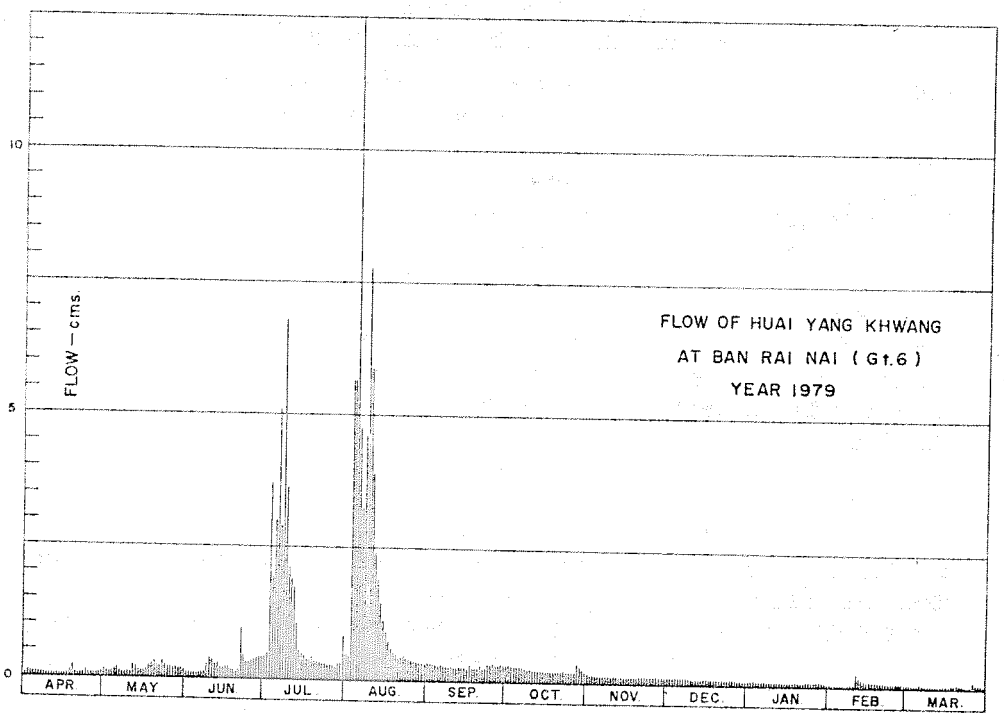
HUAI YANG KHWANG AT BAN RAI NAI, PRACHUAP KHIRI KHAN (GT.6)

LOCATION	LAT. 11°-10'-31" N., LONG. 99°-21'-27" E., ON LEFT BANK AT BAN RAI NAI, AMPHOE BANG SAPHAN, PRACHUAP KHIRI KHAN.
DRAINAGE AREA	37 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK NEAR THE METEOROLOGICAL STATION.
ELEVATION	+15.345 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 133 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	0.61	0.59	0.77	0.79	0.72	0.69	0.65	0.61	0.55	0.50	0.52	
2	0.57	0.59	0.59	0.78	0.84	0.71	0.68	0.65	0.61	0.55	0.47	0.51	
3	0.56	0.59	0.59	1.19	1.35	0.70	0.68	0.64	0.61	0.55	0.45	0.49	
4	0.54	0.59	0.59	1.00	1.30	0.70	0.68	0.63	0.60	0.55	0.45	0.45	
5	0.54	0.62	0.59	1.12	1.83	0.69	0.68	0.63	0.60	0.55	0.43	0.42	
6	0.58	0.63	0.59	1.31	1.28	0.68	0.68	0.63	0.60	0.55	0.41	0.43	
7	0.56	0.60	0.58	1.10	1.15	0.68	0.67	0.63	0.59	0.55	0.42	0.58	
8	0.54	0.59	0.58	1.44	1.27	0.68	0.67	0.63	0.59	0.55	0.42	0.55	
9	0.54	0.58	0.67	1.18	1.50	0.68	0.66	0.63	0.59	0.55	0.43	0.54	
10	0.54	0.60	0.74	1.03	1.37	0.67	0.66	0.63	0.58	0.55	0.51	0.53	
11	0.54	0.59	0.73	1.00	1.20	0.67	0.66	0.62	0.58	0.55	0.67	0.50	
12	0.55	0.64	0.67	0.98	1.06	0.67	0.66	0.62	0.58	0.55	0.63	0.47	
13	0.55	0.63	0.68	0.89	0.99	0.68	0.65	0.63	0.58	0.55	0.60	0.43	
14	0.54	0.60	0.64	0.81	0.94	0.67	0.65	0.63	0.58	0.55	0.59	0.40	
15	0.54	0.60	0.64	0.77	0.90	0.67	0.65	0.62	0.58	0.55	0.59	0.36	
16	0.54	0.61	0.65	0.74	0.87	0.67	0.65	0.62	0.58	0.56	0.59	0.33	
17	0.54	0.62	0.66	0.72	0.84	0.70	0.65	0.62	0.58	0.56	0.59	0.31	
18	0.62	0.67	0.63	0.72	0.81	0.67	0.65	0.61	0.58	0.55	0.57	0.31	
19	0.67	0.67	0.62	0.75	0.79	0.67	0.64	0.64	0.58	0.55	0.55	0.55	
20	0.58	0.73	0.61	0.71	0.77	0.67	0.64	0.63	0.58	0.55	0.55	0.54	
21	0.56	0.66	0.67	0.70	0.75	0.69	0.65	0.62	0.58	0.55	0.54	0.53	
22	0.55	0.65	0.87	0.69	0.75	0.67	0.65	0.62	0.57	0.55	0.54	0.51	
23	0.54	0.70	0.75	0.70	0.74	0.67	0.65	0.62	0.57	0.54	0.54	0.51	
24	0.60	0.66	0.70	0.68	0.74	0.71	0.64	0.61	0.57	0.55	0.54	0.47	
25	0.57	0.65	0.70	0.68	0.73	0.69	0.64	0.61	0.58	0.56	0.54	0.48	
26	0.59	0.65	0.72	0.67	0.72	0.71	0.64	0.61	0.58	0.55	0.54	0.58	
27	0.58	0.63	0.73	0.66	0.72	0.69	0.64	0.61	0.57	0.55	0.53	0.57	
28	0.57	0.62	0.74	0.66	0.71	0.69	0.72	0.61	0.57	0.53	0.53	0.57	
29	0.57	0.61	0.76	0.69	0.72	0.71	0.68	0.61	0.56	0.53	0.53	0.56	
30	0.60	0.60	0.74	0.67	0.71	0.69	0.67	0.61	0.55	0.51		0.55	
31		0.60		0.85	0.70		0.66		0.55	0.51		0.60	
MEAN	0.56	0.63	0.67	0.86	0.96	0.69	0.66	0.62	0.58	0.55	0.53	0.49	
MAX	0.67	0.73	0.87	1.44	1.83	0.72	0.72	0.65	0.61	0.56	0.67	0.60	1.83
MIN	0.54	0.58	0.58	0.66	0.70	0.67	0.64	0.61	0.55	0.51	0.41	0.31	0.31

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.19 M (A.D), AT 9.00 HOURS, ON AUG 5, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 37 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.12	0.09	0.44	0.46	0.34	0.28	0.20	0.12	0.05	0.00	0.02	
2	0.07	0.09	0.09	0.46	0.74	0.32	0.26	0.20	0.12	0.05	0.00	0.01	
3	0.06	0.09	0.09	3.70	5.65	0.30	0.26	0.18	0.12	0.05	0.00	0.00	
4	0.04	0.09	0.09	1.90	5.00	0.30	0.26	0.16	0.10	0.05	0.00	0.00	
5	0.04	0.14	0.09	3.00	13.04	0.28	0.26	0.16	0.10	0.05	0.00	0.00	
6	0.08	0.16	0.09	5.13	4.76	0.26	0.26	0.16	0.10	0.05	0.00	0.00	
7	0.06	0.10	0.08	2.80	3.30	0.26	0.24	0.16	0.09	0.05	0.00	0.08	
8	0.04	0.09	0.08	6.86	4.64	0.26	0.24	0.16	0.09	0.05	0.00	0.05	
9	0.04	0.08	0.24	3.60	7.70	0.26	0.22	0.16	0.09	0.05	0.00	0.04	
10	0.04	0.10	0.38	2.17	5.91	0.24	0.22	0.16	0.08	0.05	0.01	0.03	
11	0.04	0.09	0.36	1.90	3.80	0.24	0.22	0.14	0.08	0.05	0.24	0.00	
12	0.05	0.18	0.24	1.74	2.44	0.24	0.22	0.14	0.08	0.05	0.16	0.00	
13	0.05	0.16	0.26	1.04	1.82	0.26	0.20	0.16	0.08	0.05	0.10	0.00	
14	0.04	0.10	0.18	0.56	1.42	0.24	0.20	0.16	0.08	0.05	0.09	0.00	
15	0.04	0.10	0.18	0.44	1.10	0.24	0.20	0.14	0.08	0.05	0.09	0.00	
16	0.04	0.12	0.20	0.38	0.92	0.24	0.20	0.14	0.08	0.06	0.09	0.00	
17	0.04	0.14	0.22	0.34	0.74	0.30	0.20	0.14	0.08	0.06	0.09	0.00	
18	0.14	0.24	0.16	0.34	0.56	0.24	0.20	0.12	0.08	0.05	0.07	0.00	
19	0.24	0.24	0.14	0.40	0.48	0.24	0.18	0.18	0.08	0.05	0.05	0.05	
20	0.08	0.36	0.12	0.32	0.44	0.24	0.18	0.16	0.08	0.05	0.05	0.04	
21	0.06	0.22	0.24	0.30	0.40	0.28	0.20	0.14	0.08	0.05	0.04	0.03	
22	0.05	0.20	0.92	0.28	0.40	0.24	0.20	0.14	0.07	0.05	0.04	0.01	
23	0.04	0.30	0.40	0.30	0.38	0.24	0.20	0.14	0.07	0.04	0.04	0.01	
24	0.10	0.22	0.30	0.26	0.38	0.32	0.18	0.12	0.07	0.05	0.04	0.00	
25	0.07	0.20	0.30	0.26	0.36	0.28	0.18	0.12	0.08	0.06	0.04	0.00	
26	0.09	0.20	0.34	0.24	0.34	0.32	0.18	0.12	0.08	0.05	0.04	0.08	
27	0.08	0.16	0.36	0.22	0.34	0.28	0.18	0.12	0.07	0.05	0.03	0.07	
28	0.07	0.14	0.38	0.22	0.32	0.28	0.34	0.12	0.07	0.03	0.03	0.07	
29	0.07	0.12	0.42	0.28	0.34	0.32	0.26	0.12	0.06	0.03	0.03	0.06	
30	0.10	0.10	0.38	0.24	0.32	0.28	0.24	0.12	0.05	0.01		0.05	
31		0.10		0.80	0.30		0.22		0.05	0.01		0.10	
TOTAL	2.01	4.75	7.42	40.92	68.82	8.14	6.88	4.44	2.56	1.45	1.37	0.80	149.56 CMSDAY
MEAN	0.07	0.15	0.25	1.32	2.22	0.27	0.22	0.15	0.08	0.05	0.05	0.03	0.41 CMS
MAX	0.24	0.36	0.92	6.86	13.04	0.34	0.34	0.20	0.12	0.06	0.24	0.10	13.04 CMS
MIN	0.04	0.08	0.08	0.22	0.30	0.24	0.18	0.12	0.05	0.01	0.00	0.00	0.00 CMS
RUNOFF	0.174	0.410	0.641	3.535	5.946	0.703	0.594	0.384	0.221	0.125	0.118	0.069	12.922 MCM

MOMENTARY PEAK 19.90 CMS, AT 2.19 M (A.D), AT 9.00 HOURS, ON AUG 5, 1979

RUNOFF YIELD 11.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 537.84 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG RAP RO AT BAN THA KHAM, CHUMPHON (X.46A)

LOCATION — LAT. 10°-37'-18" N., LONG. 99°-03'-39" E., ON LEFT BANK ABOUT 10 KILOMETERS UPSTREAM FROM X.46 STATION AT BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.

DRAINAGE AREA — 617 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION — +11.752 M. (A.D.)

GAGE READING FREQUENCY — 13-TIME DAILY READINGS AT 06.00-18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 13 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 225 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

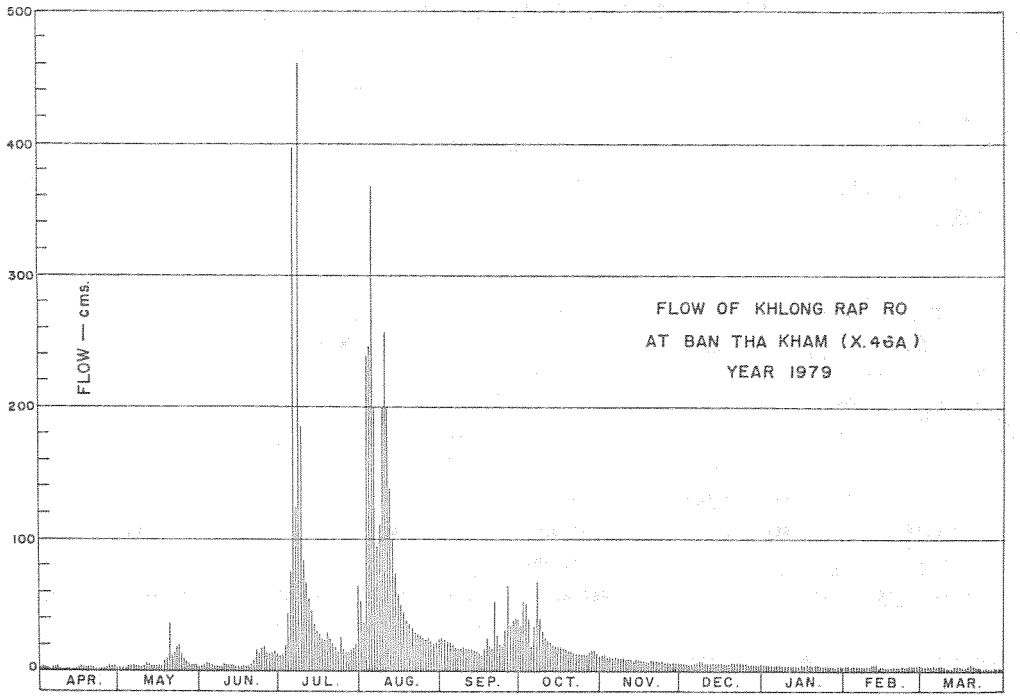
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.92	0.81	0.96	1.36	2.32	1.68	1.96	1.34	1.12	1.00	0.90	0.85	
2	0.96	0.83	0.97	1.40	2.01	1.68	2.34	1.33	1.11	1.00	0.90	0.87	
3	0.94	0.83	1.11	1.64	4.54	1.67	2.27	1.32	1.11	1.00	0.90	0.87	
4	0.86	1.01	1.08	2.28	4.57	1.63	2.04	1.30	1.10	1.00	0.90	0.91	
5	0.84	0.96	1.01	2.79	5.52	1.59	1.60	1.29	1.10	0.99	0.90	0.87	
6	1.02	1.09	0.97	5.74	3.64	1.54	2.00	1.29	1.14	0.99	0.90	0.87	
7	0.99	1.05	0.98	3.36	2.94	1.54	2.38	1.29	1.16	0.99	0.89	0.88	
8	0.89	0.96	0.96	6.18	3.21	1.60	2.00	1.27	1.14	0.98	0.89	0.86	
9	0.84	0.94	0.96	3.64	4.51	1.52	1.85	1.26	1.12	0.98	0.89	0.87	
10	0.83	0.91	1.07	2.80	4.65	1.50	1.75	1.24	1.10	0.97	0.89	0.83	
11	0.89	1.11	1.02	2.51	3.84	1.51	1.69	1.26	1.10	0.97	0.89	0.82	
12	0.87	1.01	0.99	2.37	3.37	1.50	1.65	1.26	1.08	0.97	0.95	0.82	
13	0.88	0.97	1.02	2.13	2.93	1.47	1.62	1.24	1.07	0.96	0.97	0.82	
14	0.90	1.03	0.96	1.95	2.64	1.44	1.58	1.26	1.07	0.96	0.93	0.81	
15	0.89	0.97	0.93	1.82	2.42	1.42	1.57	1.22	1.07	0.95	0.90	0.85	
16	1.02	0.96	0.98	1.81	2.26	1.40	1.53	1.21	1.07	0.95	0.91	0.83	
17	0.96	1.00	1.11	1.69	2.12	1.37	1.53	1.19	1.06	0.95	0.91	0.82	
18	0.88	1.24	1.02	1.69	2.04	1.75	1.52	1.19	1.05	0.95	0.90	0.88	
19	0.90	1.30	0.97	1.85	1.96	1.51	1.48	1.21	1.05	0.95	0.89	0.91	
20	0.90	2.01	1.10	1.66	1.92	1.52	1.46	1.22	1.05	0.94	0.88	0.89	
21	0.85	1.36	1.22	1.63	1.86	2.32	1.44	1.18	1.05	0.94	0.88	0.86	
22	0.81	1.58	1.55	1.54	1.82	1.69	1.42	1.18	1.04	0.94	0.88	0.83	
23	0.81	1.64	1.43	1.49	1.79	1.57	1.42	1.18	1.03	0.93	0.87	0.82	
24	0.85	1.49	1.56	1.46	1.77	1.59	1.42	1.17	1.03	0.94	0.87	0.84	
25	0.89	1.23	1.59	1.78	1.76	2.36	1.40	1.16	1.03	0.94	0.87	0.83	
26	0.93	1.18	1.40	1.47	1.72	2.53	1.42	1.15	1.05	0.94	0.86	0.82	
27	0.92	1.10	1.40	1.44	1.78	1.98	1.46	1.14	1.03	0.93	0.86	0.82	
28	0.89	1.03	1.40	1.45	1.67	2.05	1.49	1.13	1.02	0.92	0.85	0.87	
29	0.86	0.99	1.47	1.52	1.65	2.07	1.45	1.13	1.01	0.92	0.85	0.86	
30	0.83	1.01	1.34	1.65	1.69	2.03	1.37	1.12	1.01	0.91		0.84	
31		0.98		2.53	1.72		1.36		1.00	0.91		0.86	
MEAN	0.89	1.12	1.15	2.21	2.67	1.70	1.66	1.22	1.07	0.96	0.89	0.85	
MAX	1.02	2.01	1.59	6.18	5.52	2.53	2.38	1.34	1.16	1.00	0.97	0.91	6.18
MIN	0.81	0.81	0.93	1.36	1.65	1.40	1.36	1.12	1.00	0.91	0.85	0.81	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.06 M (A.D.), AT 18.00 HOURS, ON JUL 6, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.20 M (A.D.)

LEFT BANK ELEVATION 11.80 M (A.D.)

RIGHT BANK ELEVATION 11.16 M (A.D.), DRAINAGE AREA 617 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.80	1.60	3.40	11.80	52.70	22.70	34.50	11.20	5.90	4.00	2.50	2.00	
2	3.40	1.80	3.55	13.00	37.00	22.70	53.90	10.90	5.70	4.00	2.50	2.20	
3	3.10	1.80	5.70	21.10	243.60	22.30	50.00	10.60	5.70	4.00	2.50	2.20	
4	2.10	4.15	5.20	50.50	247.05	20.70	38.50	10.00	5.50	4.00	2.50	2.65	
5	1.90	3.40	4.15	82.80	366.20	19.15	19.50	9.75	5.50	3.85	2.50	2.20	
6	4.30	5.35	3.55	396.60	149.60	17.40	36.50	9.75	6.30	3.85	2.50	2.20	
7	3.85	4.75	3.70	125.80	93.30	17.40	56.30	9.75	6.70	3.85	2.40	2.30	
8	2.40	3.40	3.40	460.00	113.80	19.50	36.50	9.25	6.30	3.70	2.40	2.10	
9	1.90	3.10	3.40	149.60	240.15	16.70	29.50	9.00	5.90	3.70	2.40	2.20	
10	1.80	2.65	5.05	83.50	256.50	16.00	25.50	8.50	5.50	3.55	2.40	1.80	
11	2.40	5.70	4.30	64.15	168.50	16.35	23.10	9.00	5.50	3.55	2.40	1.70	
12	2.20	4.15	3.85	55.70	126.60	16.00	21.50	9.00	5.20	3.55	3.25	1.70	
13	2.30	3.55	4.30	43.00	92.60	15.10	20.30	8.50	5.05	3.40	3.55	1.70	
14	2.50	4.45	3.40	34.00	72.60	14.20	18.80	9.00	5.05	3.40	2.95	1.60	
15	2.40	3.55	2.95	26.30	58.70	13.60	18.45	8.00	5.05	3.25	2.50	2.00	
16	4.30	3.40	3.70	27.90	49.50	13.00	17.05	7.75	5.05	3.25	2.65	1.80	
17	3.40	4.00	5.70	23.10	42.50	18.45	17.05	7.30	4.90	3.25	2.65	1.70	
18	2.30	8.50	4.30	23.10	38.50	25.50	16.70	7.30	4.75	3.25	2.50	2.30	
19	2.50	10.00	3.55	29.50	34.50	16.35	15.40	7.75	4.75	3.25	2.40	2.65	
20	2.50	37.00	5.50	21.90	32.50	16.70	14.80	8.00	4.75	3.10	2.30	2.40	
21	2.00	11.80	8.00	20.70	29.90	52.70	14.20	7.10	4.75	3.10	2.30	2.10	
22	1.60	18.80	17.75	17.40	28.30	23.10	13.60	7.10	4.60	3.10	2.30	1.80	
23	1.60	21.10	13.90	15.70	27.10	18.45	13.60	7.10	4.45	2.95	2.20	1.70	
24	2.00	15.70	18.10	14.80	26.30	19.15	13.60	6.90	4.45	3.10	2.20	1.90	
25	2.40	8.25	19.15	26.70	25.90	39.50	13.00	6.70	4.45	3.10	2.20	1.80	
26	2.95	7.10	13.00	15.10	24.30	65.45	13.60	6.50	4.75	3.10	2.10	1.70	
27	2.80	5.50	13.00	14.20	26.70	35.50	14.80	6.30	4.45	2.95	2.10	1.70	
28	2.40	4.45	13.00	14.50	22.30	39.00	15.70	6.10	4.30	2.80	2.00	2.20	
29	2.10	3.85	15.10	16.70	21.50	40.00	14.50	6.10	4.15	2.80	2.00	2.10	
30	1.80	4.15	11.20	21.50	23.10	38.00	12.10	5.90	4.15	2.65		1.90	
31		3.70		65.45	24.30		11.80		4.00	2.65		2.10	
TOTAL	76.00	220.70	224.85	1988.10	2796.10	730.65	714.35	246.10	157.55	104.05	71.15	62.40	7391.99 CMSDAY
MEAN	2.53	7.12	7.49	64.13	90.20	24.35	23.04	8.20	5.08	3.36	2.45	2.01	20.20 CMS
MAX	4.30	37.00	19.15	460.00	366.20	65.45	56.30	11.20	6.70	4.00	3.55	2.65	460.00 CMS
MIN	1.60	1.60	2.95	11.80	21.50	13.00	11.80	5.90	4.00	2.65	2.00	1.60	1.60 CMS
RUNOFF	6.566	19.068	19.427	171.772	241.583	63.128	61.720	21.263	13.612	8.990	6.147	5.391	638.668 MCM

MOMENTARY PEAK 597.10 CMS, AT 7.06 M (A.D), AT 18.00 HOURS, ON JUL 6, 1979

RUNOFF YIELD 32.73 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 967.75 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG CHUMPHON AT BAN SIAP YUAN, CHUMPHON (X.53)

LOCATION — LAT. 10°-29'-57" N., LONG. 99°-04'-15" E., ON LEFT BANK UPSTREAM SIDE OF THE BRIDGE NEAR PHAYOM THAWAI SCHOOL, AMPHOE MUANG, CHUMPHON.

DRAINAGE AREA — 223 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION — +9.502 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1971 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1973, 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1973, 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 13 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT DURING MAY 30-JUL 11,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

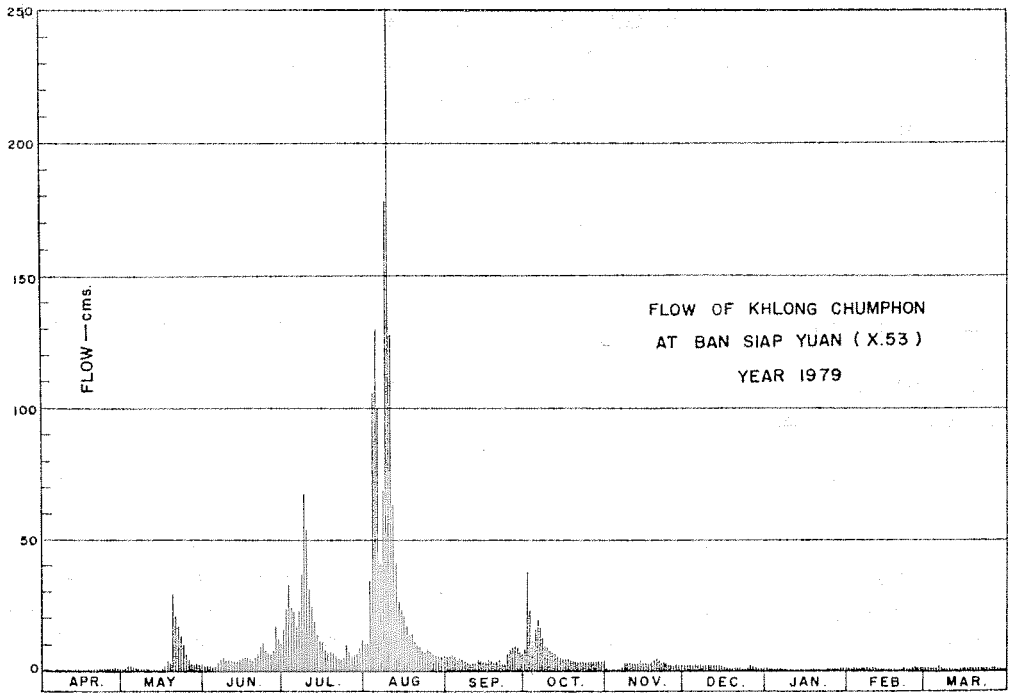
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.64	0.80	1.50	1.31	1.07	1.26	0.74	0.79	0.72	0.68	0.66	
2	0.57	0.65	0.78	1.70	1.29	1.05	2.14	0.71	0.78	0.72	0.68	0.66	
3	0.57	0.77	0.78	2.00	2.28	1.04	1.72	0.70	0.78	0.72	0.68	0.66	
4	0.58	0.66	0.78	1.70	3.52	1.03	1.47	0.70	0.77	0.72	0.68	0.68	
5	0.56	0.64	0.80	1.70	3.82	1.01	1.48	0.69	0.77	0.72	0.68	0.66	
6	0.64	0.68	0.86	1.50	3.24	0.98	1.60	0.69	0.78	0.72	0.68	0.76	
7	0.60	0.65	1.02	1.80	2.20	0.99	1.43	0.78	0.81	0.72	0.67	0.70	
8	0.57	0.65	0.98	2.20	2.78	0.95	1.31	0.89	0.77	0.73	0.66	0.66	
9	0.56	0.70	0.92	2.80	5.41	0.92	1.22	0.87	0.77	0.73	0.66	0.63	
10	0.56	0.68	0.90	2.34	4.75	0.92	1.17	0.85	0.76	0.72	0.66	0.62	
11	0.56	0.64	0.90	1.92	3.48	0.92	1.13	0.86	0.76	0.72	0.66	0.62	
12	0.60	0.63	0.94	1.76	2.56	0.92	1.08	0.88	0.75	0.72	0.67	0.62	
13	0.63	0.60	0.96	1.54	2.20	0.98	1.05	0.86	0.75	0.72	0.68	0.63	
14	0.61	0.61	0.98	1.38	1.80	0.92	1.03	0.91	0.75	0.72	0.66	0.66	
15	0.59	0.65	1.00	1.29	1.72	0.91	1.01	0.89	0.75	0.72	0.66	0.67	
16	0.57	0.65	1.02	1.29	1.63	0.90	1.00	0.85	0.74	0.71	0.65	0.66	
17	0.56	0.88	1.06	1.17	1.52	0.97	1.00	0.84	0.74	0.71	0.64	0.67	
18	0.57	0.90	1.02	1.11	1.42	0.92	0.99	0.84	0.74	0.71	0.64	0.67	
19	0.67	0.85	0.95	1.17	1.43	0.91	0.96	0.96	0.73	0.71	0.64	0.67	
20	0.62	1.89	1.00	1.09	1.30	0.94	0.93	0.97	0.73	0.71	0.64	0.66	
21	0.59	1.65	1.05	1.04	1.24	1.02	0.92	0.90	0.73	0.71	0.64	0.64	
22	0.57	1.57	1.25	1.02	1.20	0.93	0.90	0.87	0.72	0.69	0.65	0.65	
23	0.62	1.41	1.30	0.98	1.18	0.89	0.90	0.85	0.72	0.69	0.64	0.65	
24	0.68	1.18	1.15	1.02	1.15	1.11	0.90	0.86	0.72	0.70	0.65	0.66	
25	0.71	0.97	1.08	1.28	1.16	1.22	0.91	0.82	0.75	0.70	0.68	0.67	
26	0.62	0.86	1.05	1.08	1.14	1.24	0.96	0.80	0.78	0.70	0.68	0.69	
27	0.59	0.81	1.15	1.07	1.11	1.26	0.97	0.80	0.73	0.68	0.67	0.69	
28	0.60	0.76	1.56	1.08	1.08	1.24	0.99	0.79	0.72	0.68	0.67	0.70	
29	0.60	0.83	1.34	1.12	1.06	1.16	0.96	0.79	0.72	0.68	0.67	0.68	
30	0.62	0.85	1.30	1.22	1.04	1.11	0.92	0.79	0.72	0.68		0.67	
31		0.82		1.38	1.07		0.92		0.72	0.68		0.67	
MEAN	0.60	0.86	1.02	1.46	2.00	1.01	1.14	0.82	0.75	0.71	0.66	0.66	
MAX	0.71	1.89	1.56	2.80	5.41	1.26	2.14	0.97	0.81	0.73	0.68	0.76	5.41
MIN	0.56	0.60	0.78	0.98	1.04	0.89	0.90	0.69	0.72	0.68	0.64	0.62	0.56

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.38 M (A.D), AT 18.00 HOURS, ON AUG 9, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.14 M (A.D)

LEFT BANK ELEVATION — 12.53 M (A.D)

RIGHT BANK ELEVATION — 10.91 M (A.D), DRAINAGE AREA 223 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.55	0.98	2.60	17.00	11.96	6.86	10.78	1.88	2.48	1.64	1.26	1.12	
2	0.55	1.05	2.36	23.20	11.47	6.50	38.72	1.52	2.36	1.64	1.26	1.12	
3	0.55	2.24	2.36	33.50	44.36	6.32	23.86	1.40	2.36	1.64	1.26	1.12	
4	0.60	1.12	2.36	23.20	109.68	6.14	16.19	1.40	2.24	1.64	1.26	1.26	
5	0.50	0.98	2.60	23.20	130.18	5.78	16.46	1.33	2.24	1.64	1.26	1.12	
6	0.98	1.26	3.44	17.00	92.52	5.28	20.00	1.33	2.36	1.64	1.26	2.12	
7	0.70	1.05	5.96	26.50	41.00	5.44	15.11	2.36	2.74	1.64	1.19	1.40	
8	0.55	1.05	5.28	41.00	67.62	4.80	11.96	3.86	2.24	1.76	1.12	1.12	
9	0.50	1.40	4.32	68.60	253.46	4.32	9.86	3.58	2.24	1.76	1.12	0.91	
10	0.50	1.26	4.00	46.96	199.00	4.32	8.80	3.30	2.12	1.64	1.12	0.84	
11	0.50	0.98	4.00	30.62	106.96	4.32	8.00	3.44	2.12	1.64	1.12	0.84	
12	0.70	0.91	4.64	25.18	57.02	4.32	7.04	3.72	2.00	1.64	1.19	0.84	
13	0.91	0.70	4.96	18.20	41.00	5.28	6.50	3.44	2.00	1.64	1.26	0.91	
14	0.77	0.77	5.28	13.76	26.50	4.32	6.14	4.16	2.00	1.64	1.12	1.12	
15	0.65	1.05	5.60	11.47	23.86	4.16	5.78	3.86	2.00	1.64	1.12	1.19	
16	0.55	1.05	5.96	11.47	20.96	4.00	5.60	3.30	1.88	1.52	1.05	1.12	
17	0.50	3.72	6.68	8.80	17.60	5.12	5.60	3.16	1.88	1.52	0.98	1.19	
18	0.55	4.00	5.96	7.60	14.84	4.32	5.44	3.16	1.88	1.52	0.98	1.19	
19	1.19	3.30	4.80	8.80	15.11	4.16	4.96	4.96	1.76	1.52	0.98	1.19	
20	0.84	29.56	5.60	7.22	11.70	4.64	4.48	5.12	1.76	1.52	0.98	1.12	
21	0.65	21.60	6.50	6.32	10.32	5.96	4.32	4.00	1.76	1.52	0.98	0.98	
22	0.55	19.10	10.55	5.96	9.40	4.48	4.00	3.58	1.64	1.33	1.05	1.05	
23	0.84	14.57	11.70	5.28	9.00	3.86	4.00	3.30	1.64	1.33	0.98	1.05	
24	1.26	9.00	8.40	5.96	8.40	7.60	4.00	3.44	1.64	1.40	1.05	1.12	
25	1.52	5.12	7.04	11.24	9.00	9.86	4.16	2.88	2.00	1.40	1.26	1.19	
26	0.84	3.44	6.50	7.04	8.20	10.32	4.96	2.60	2.36	1.40	1.26	1.33	
27	0.65	2.74	8.40	6.86	7.60	10.78	5.12	2.60	1.76	1.26	1.19	1.33	
28	0.70	2.12	18.80	7.04	7.04	10.32	5.44	2.48	1.64	1.26	1.19	1.40	
29	0.70	3.02	12.74	7.80	6.68	8.60	4.96	2.48	1.64	1.26	1.19	1.26	
30	0.84	3.30	11.70	9.86	6.32	7.60	4.32	2.48	1.64	1.26		1.19	
31		2.88		13.76	6.86		4.32		1.64	1.26		1.19	
TOTAL	21.69	145.32	191.09	550.44	1385.62	179.76	280.88	90.12	62.02	47.12	33.04	35.93	3023.04 CMSDAY
MEAN	0.72	4.69	6.37	17.76	44.70	5.99	9.06	3.00	2.00	1.52	1.14	1.16	8.26 CMS
MAX	1.52	29.56	18.80	68.60	253.46	10.78	38.72	5.12	2.74	1.76	1.26	2.12	253.46 CMS
MIN	0.50	0.70	2.36	5.28	6.32	3.86	4.00	1.33	1.64	1.26	0.98	0.84	0.50 CMS
RUNOFF	1.874	12.556	16.510	47.558	119.717	15.533	24.268	7.786	5.359	4.071	2.855	3.104	261.191 MCM

MOMENTARY PEAK 340.20 CMS, AT 6.38 M (A.D), AT 18.00 HOURS, ON AUG 9, 1979

RUNOFF YIELD 37.04 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1525.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG THA SAE AT THA SAE, CHUMPHON (X.64)

LOCATION — LAT. 10°-39'-49" N., LONG. 99°-10'-17 E., ON LEFT BANK NEAR THE LAND COOPERATION OFFICE, TAMBON BAN THA KHAM, AMPHOE THA SAE, CHUMPHON.

DRAINAGE AREA — 957 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.5.

LOCATION — ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION — +11.196 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1973 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974-1975

RATED BY FLOAT — -

RATED BY CURRENT METER — 1974-1975

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +6.06 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 354 DISCHARGE MEASUREMENTS MADE DURING 1974-1975.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

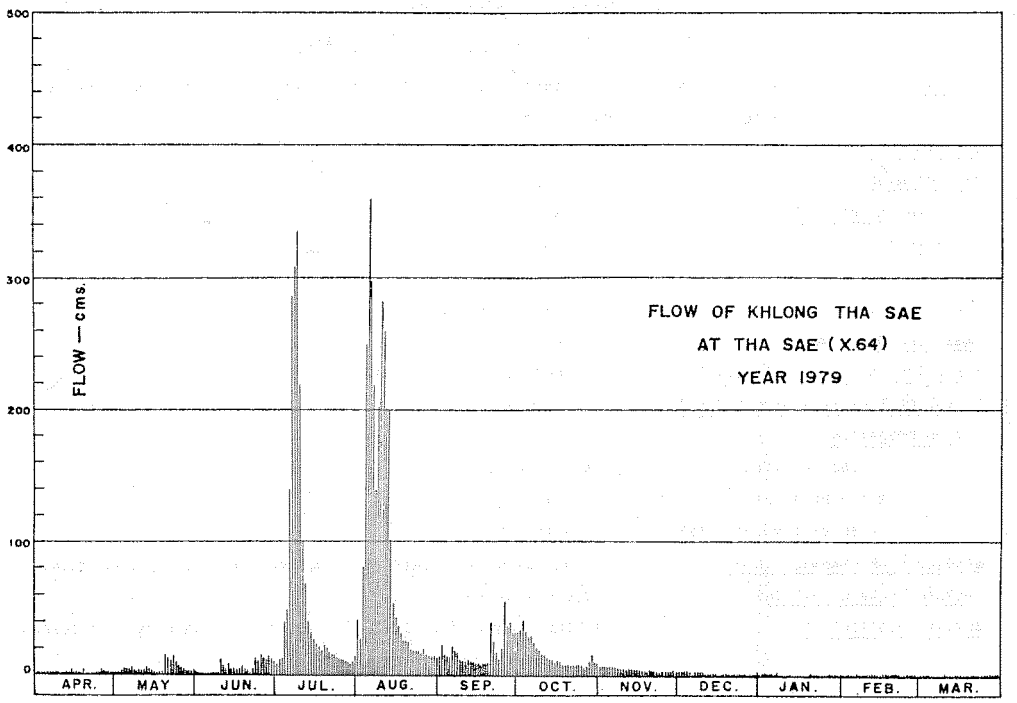
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.42	0.45	0.52	0.90	2.11	1.13	1.78	0.84	0.57	0.48	0.42	0.38	
2	0.42	0.43	0.51	1.03	1.61	1.45	1.81	0.80	0.56	0.48	0.42	0.38	
3	0.42	0.60	0.52	1.11	3.14	1.20	2.07	0.79	0.56	0.48	0.42	0.38	
4	0.42	0.61	0.53	2.12	5.96	1.14	1.83	0.77	0.56	0.47	0.42	0.38	
5	0.42	0.65	0.53	2.36	6.71	1.16	1.62	0.75	0.55	0.47	0.41	0.37	
6	0.41	0.69	0.51	4.50	7.50	1.39	1.70	0.75	0.57	0.47	0.40	0.37	
7	0.41	0.72	0.52	6.88	5.82	1.23	1.56	0.75	0.58	0.46	0.40	0.43	
8	0.48	0.59	0.53	7.04	4.45	1.14	1.39	0.74	0.58	0.45	0.40	0.39	
9	0.46	0.53	0.50	7.26	5.87	1.03	1.28	0.73	0.58	0.45	0.40	0.38	
10	0.43	0.56	0.96	5.45	6.70	0.96	1.19	0.73	0.57	0.45	0.40	0.38	
11	0.42	0.67	0.83	3.35	6.28	0.97	1.14	0.71	0.56	0.45	0.41	0.38	
12	0.43	0.70	0.72	2.73	5.56	1.00	1.11	0.69	0.56	0.45	0.43	0.38	
13	0.45	0.76	0.90	2.18	4.02	0.97	1.05	0.69	0.55	0.45	0.46	0.38	
14	0.44	0.71	0.71	1.80	2.82	0.94	1.00	0.69	0.54	0.45	0.46	0.37	
15	0.45	0.60	0.65	1.54	2.25	0.89	0.98	0.71	0.53	0.45	0.45	0.37	
16	0.46	0.55	0.66	1.45	1.91	0.85	0.95	0.67	0.53	0.44	0.44	0.36	
17	0.45	0.52	0.75	1.40	1.78	0.86	0.95	0.65	0.52	0.44	0.42	0.36	
18	0.51	0.57	0.81	1.29	1.62	0.89	0.92	0.64	0.51	0.45	0.41	0.36	
19	0.67	0.68	0.65	1.39	1.52	0.93	0.89	0.63	0.51	0.45	0.41	0.37	
20	0.53	1.15	0.60	1.33	1.48	1.00	0.87	0.66	0.50	0.45	0.40	0.39	
21	0.50	1.12	0.60	1.23	1.39	2.03	0.87	0.65	0.50	0.45	0.40	0.40	
22	0.46	0.95	0.81	1.14	1.30	1.57	0.82	0.64	0.51	0.44	0.40	0.38	
23	0.44	1.11	1.06	1.10	1.24	1.18	0.82	0.63	0.50	0.44	0.40	0.37	
24	0.45	1.12	1.00	1.07	1.22	1.07	0.82	0.63	0.50	0.44	0.39	0.37	
25	0.58	0.89	1.20	1.02	1.23	1.40	0.81	0.63	0.50	0.44	0.39	0.36	
26	0.71	0.80	1.09	1.03	1.27	2.47	0.80	0.61	0.50	0.44	0.39	0.36	
27	0.56	0.74	1.01	0.98	1.19	1.93	0.82	0.60	0.49	0.44	0.39	0.37	
28	0.52	0.67	1.14	0.95	1.11	1.95	0.98	0.59	0.49	0.44	0.39	0.38	
29	0.48	0.61	1.03	0.94	1.11	1.79	1.14	0.58	0.48	0.44	0.38	0.37	
30	0.47	0.57	0.97	1.05	1.17	1.77	1.01	0.57	0.48	0.43		0.37	
31		0.55		1.30	1.07		0.88		0.48	0.43		0.39	
MEAN	0.48	0.71	0.76	2.22	2.98	1.28	1.16	0.68	0.53	0.45	0.41	0.38	
MAX	0.71	1.15	1.20	7.26	7.50	2.47	2.07	0.84	0.58	0.48	0.46	0.43	7.50
MIN	0.41	0.43	0.50	0.90	1.07	0.85	0.80	0.57	0.48	0.43	0.38	0.36	0.36

ANNUAL MAX MOMENTARY GAGE HEIGHT — 7.79 M (A.D), AT 6.00 HOURS, ON AUG 6, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.19 M (A.D)

LEFT BANK ELEVATION — 6.05 M (A.D)

RIGHT BANK ELEVATION — 6.61 M (A.D), DRAINAGE AREA — 957 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.75	1.80	9.00	42.85	14.75	32.90	7.80	2.55	1.20	0.30	0.00	
2	0.30	0.45	1.65	12.25	27.80	23.00	33.80	7.00	2.40	1.20	0.30	0.00	
3	0.30	3.00	1.80	14.25	81.60	16.50	41.60	6.80	2.40	1.20	0.30	0.00	
4	0.30	3.20	1.95	43.20	227.70	15.00	34.40	6.40	2.40	1.05	0.30	0.00	
5	0.30	4.00	1.95	51.60	286.35	15.50	28.10	6.00	2.25	1.05	0.15	0.00	
6	0.15	4.80	1.65	143.00	359.00	21.25	30.50	6.00	2.55	1.05	0.00	0.00	
7	0.15	5.40	1.80	301.20	217.90	17.25	26.30	6.00	2.70	0.90	0.00	0.45	
8	1.20	2.85	1.95	315.60	140.50	15.00	21.25	5.80	2.70	0.75	0.00	0.00	
9	0.90	1.95	1.50	335.70	221.40	12.25	18.50	5.60	2.70	0.75	0.00	0.00	
10	0.45	2.40	10.50	194.00	285.50	10.50	16.25	5.60	2.55	0.75	0.00	0.00	
11	0.30	4.40	7.60	90.00	251.50	10.75	15.00	5.20	2.40	0.75	0.15	0.00	
12	0.45	5.00	5.40	65.20	200.90	11.50	14.25	4.80	2.40	0.75	0.45	0.00	
13	0.75	6.20	9.00	45.30	119.90	10.75	12.75	4.80	2.25	0.75	0.90	0.00	
14	0.60	5.20	5.20	33.50	68.80	10.00	11.50	4.80	2.10	0.75	0.90	0.00	
15	0.75	3.00	4.00	25.70	47.75	8.80	11.00	5.20	1.95	0.75	0.75	0.00	
16	0.90	2.25	4.20	23.00	36.80	8.00	10.25	4.40	1.95	0.60	0.60	0.00	
17	0.75	1.80	6.00	21.50	32.90	8.20	10.25	4.00	1.80	0.60	0.30	0.00	
18	1.65	2.55	7.20	18.75	28.10	8.80	9.50	3.80	1.65	0.75	0.15	0.00	
19	4.40	4.60	4.00	21.25	25.10	9.75	8.80	3.60	1.65	0.75	0.15	0.00	
20	1.95	15.25	3.00	19.75	23.90	11.50	8.40	4.20	1.50	0.75	0.00	0.00	
21	1.50	14.50	3.00	17.25	21.25	40.40	8.40	4.00	1.50	0.75	0.00	0.00	
22	0.90	10.25	7.20	15.00	19.00	26.60	7.40	3.80	1.65	0.60	0.00	0.00	
23	0.60	14.25	13.00	14.00	17.50	16.00	7.40	3.60	1.50	0.60	0.00	0.00	
24	0.75	14.50	11.50	13.25	17.00	13.25	7.40	3.60	1.50	0.60	0.00	0.00	
25	2.70	8.80	16.50	12.00	17.25	21.50	7.20	3.60	1.50	0.60	0.00	0.00	
26	5.20	7.00	13.75	12.25	18.25	55.45	7.00	3.20	1.50	0.60	0.00	0.00	
27	2.40	5.80	11.75	11.00	16.25	37.40	7.40	3.00	1.35	0.60	0.00	0.00	
28	1.80	4.40	15.00	10.25	14.25	38.00	11.00	2.85	1.35	0.60	0.00	0.00	
29	1.20	3.20	12.25	10.00	14.25	33.20	15.00	2.70	1.20	0.60	0.00	0.00	
30	1.05	2.55	10.75	12.75	15.75	32.60	11.75	2.55	1.20	0.45		0.00	
31		2.25		19.00	13.25		8.60		1.20	0.45		0.00	
TOTAL	34.95	166.55	196.85	1930.50	2910.25	573.45	493.85	140.70	60.30	23.55	5.70	0.45	6537.09 CMSDAY
MEAN	1.16	5.37	6.56	62.27	93.88	19.11	15.93	4.69	1.95	0.76	0.20	0.01	17.86 CMS
MAX	5.20	15.25	16.50	335.70	359.00	55.45	41.60	7.80	2.70	1.20	0.90	0.45	359.00 CMS
MIN	0.15	0.45	1.50	9.00	13.25	8.00	7.00	2.55	1.20	0.45	0.00	0.00	0.00 CMS
RUNOFF	3.020	14.390	17.008	166.795	251.445	49.546	42.669	12.156	5.210	2.035	0.492	0.039	564.805 MCM

MOMENTARY PEAK 388.00 CMS, AT 7.79 M (A.D), AT 6.00 HOURS, ON AUG 6, 1979

RUNOFF YIELD 18.66 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 405.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

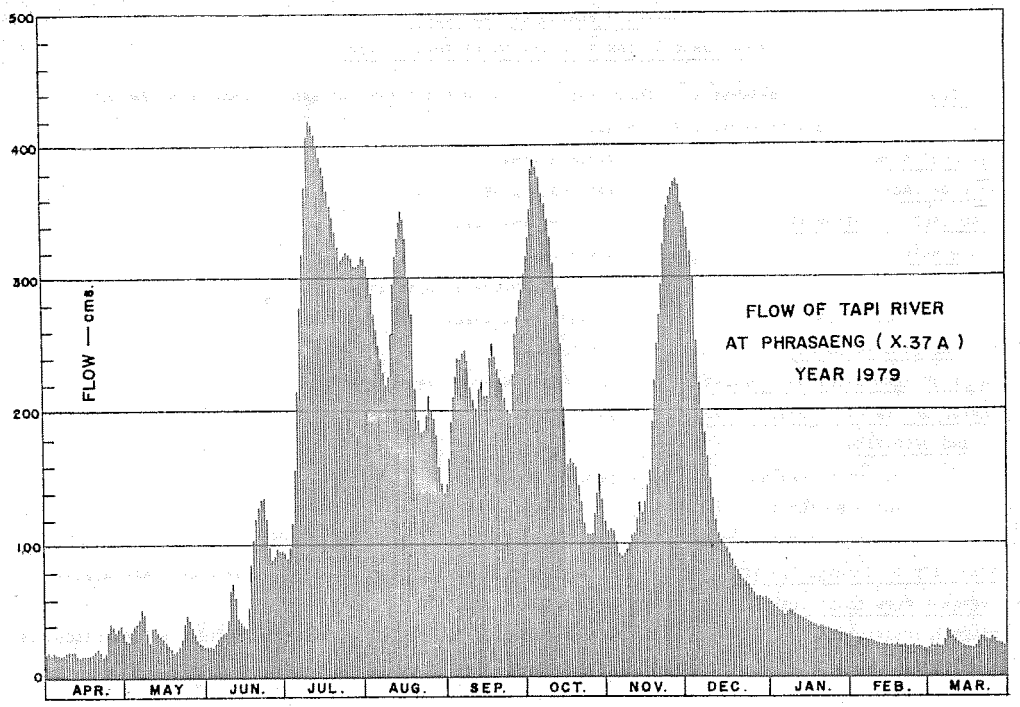
TAPI RIVER AT PHRASAENG, SURAT THANI (X.37A)

LOCATION	LAT. 8°34'03" N., LONG. 99°15'15" E., ON LEFT BANK AT TAMBON YAN DIN DAENG, AMPHOE PHRASAENG, SURAT THANI.
DRAINAGE AREA	5,200 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+4.833 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ALONG THE GAGE LINE.
ELEVATION	+10.680 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1969 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 29 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.38	5.75	5.65	7.16	9.86	7.99	9.82	7.41	10.17	6.37	5.79	5.59	
2	5.48	5.77	5.64	7.09	9.79	8.27	10.00	7.45	10.04	6.35	5.79	5.58	
3	5.47	6.03	5.65	7.21	9.65	8.72	10.26	7.41	9.83	6.32	5.78	5.57	
4	5.48	6.05	5.77	7.63	9.49	8.93	10.49	7.24	9.55	6.29	5.78	5.57	
5	5.49	6.08	5.81	8.27	9.35	9.08	10.55	7.11	9.18	6.25	5.77	5.59	
6	5.45	6.22	5.90	8.91	9.23	9.06	10.50	7.08	8.69	6.23	5.75	5.59	
7	5.45	6.34	5.91	9.53	9.11	9.12	10.41	7.13	8.56	6.25	5.73	5.72	
8	5.51	6.18	5.93	9.91	8.98	9.14	10.33	7.22	8.38	6.30	5.71	5.93	
9	5.51	5.89	6.20	10.37	8.85	8.98	10.25	7.28	8.14	6.27	5.69	5.83	
10	5.51	5.72	6.63	10.71	8.99	8.82	10.16	7.37	7.89	6.23	5.67	5.75	
11	5.51	6.00	6.70	10.83	9.41	8.71	10.01	7.41	7.67	6.19	5.66	5.69	
12	5.47	6.02	6.43	10.82	9.71	8.63	9.80	7.66	7.48	6.16	5.66	5.63	
13	5.43	5.92	6.19	10.77	9.92	8.83	9.59	7.72	7.33	6.14	5.66	5.61	
14	5.42	5.83	6.09	10.69	10.10	8.89	9.31	7.64	7.25	6.11	5.65	5.59	
15	5.44	5.77	6.02	10.61	10.20	8.75	8.96	7.81	7.21	6.09	5.63	5.58	
16	5.44	5.73	6.07	10.53	10.14	8.75	8.60	7.99	7.17	6.06	5.62	5.57	
17	5.41	5.65	6.34	10.42	9.97	9.06	8.13	8.12	7.10	6.04	5.62	5.57	
18	5.45	5.60	7.11	10.33	9.67	9.19	8.19	8.71	7.00	6.02	5.61	5.57	
19	5.50	5.55	7.44	10.23	9.29	9.10	8.13	9.07	6.91	6.01	5.60	5.64	
20	5.58	5.56	7.61	10.13	8.88	8.97	8.13	9.21	6.85	5.99	5.57	5.77	
21	5.53	5.60	7.70	10.01	8.59	8.90	7.93	9.49	6.81	5.97	5.58	5.84	
22	5.42	5.77	7.81	9.89	8.45	8.89	7.71	9.88	6.73	5.96	5.57	5.77	
23	5.55	6.17	7.81	9.84	8.45	8.78	7.50	10.09	6.69	5.94	5.57	5.70	
24	6.00	6.24	7.58	9.88	8.63	8.63	7.37	10.21	6.64	5.92	5.57	5.71	
25	6.08	6.13	7.22	9.90	8.76	8.52	7.39	10.31	6.58	5.91	5.62	5.75	
26	6.12	5.97	7.04	9.88	8.68	8.88	7.38	10.37	6.54	5.89	5.59	5.70	
27	5.94	5.87	7.11	9.87	8.58	9.27	7.75	10.42	6.51	5.87	5.57	5.65	
28	5.98	5.77	7.23	9.81	8.41	9.47	7.91	10.43	6.52	5.85	5.52	5.61	
29	6.05	5.69	7.19	9.79	8.18	9.57	8.05	10.39	6.49	5.84	5.52	5.57	
30	5.89	5.66	7.15	9.83	7.96	9.67	7.78	10.29	6.44	5.82		5.57	
31		5.68		9.88	7.85		7.51		6.42	5.81		5.57	
MEAN	5.60	5.88	6.63	9.70	9.13	8.92	8.90	8.53	7.57	6.08	5.65	5.66	
MAX	6.12	6.34	7.81	10.83	10.20	9.67	10.55	10.43	10.17	6.37	5.79	5.93	10.83
MIN	5.38	5.55	5.64	7.09	7.85	7.99	7.37	7.08	6.42	5.81	5.52	5.57	5.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 10.84 M (MSL), AT 24.00 HOURS, ON JUL 11, 1979
ZERO GAGE AT BOTTOM ELEVATION 4.83 M (MSL), RIVER BED 4.20 M (MSL)
LEFT BANK ELEVATION 13.07 M (MSL)
RIGHT BANK ELEVATION 12.02 M (MSL), DRAINAGE AREA 5200 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	16.50	28.25	24.75	95.80	316.00	149.30	312.00	110.65	347.85	54.50	29.65	22.70	
2	19.40	28.95	24.40	91.95	309.00	171.60	330.00	113.25	334.20	53.50	29.65	22.40	
3	19.10	39.20	24.75	98.60	295.00	209.20	357.30	110.65	313.00	52.00	29.30	22.10	
4	19.40	40.00	28.95	124.95	279.55	227.05	382.35	100.40	285.25	50.50	29.30	22.10	
5	19.70	41.20	30.40	171.60	266.25	240.60	389.25	93.05	250.10	48.50	28.95	22.70	
6	18.50	47.00	34.00	225.35	254.85	238.70	383.50	91.40	206.65	47.50	28.25	22.70	
7	18.50	53.00	34.40	283.35	243.45	244.40	373.15	94.15	195.60	48.50	27.55	27.20	
8	20.30	45.20	35.20	321.00	231.30	246.30	364.65	99.20	180.40	51.00	26.85	35.20	
9	20.30	33.60	46.00	368.85	220.25	231.30	356.25	102.80	161.20	49.50	26.15	31.20	
10	20.30	27.20	67.50	407.65	232.15	217.70	346.80	108.20	142.30	47.50	25.45	28.25	
11	20.30	38.00	71.00	421.60	271.95	208.35	331.05	110.65	127.55	45.60	25.10	26.15	
12	19.10	38.80	57.50	420.40	301.00	201.55	310.00	126.90	115.20	44.40	25.10	24.05	
13	17.90	34.80	45.60	414.55	322.00	218.55	289.05	130.80	105.80	43.60	25.10	23.35	
14	17.60	31.20	41.60	405.35	340.50	223.65	262.45	125.60	101.00	42.40	24.75	22.70	
15	18.20	28.95	38.80	396.15	351.00	211.75	229.60	136.70	98.60	41.60	24.05	22.40	
16	18.20	27.55	40.80	386.95	344.70	211.75	199.00	149.30	96.35	40.40	23.70	22.10	
17	17.30	24.75	53.00	374.30	327.00	238.70	160.40	159.60	92.50	39.60	23.70	22.10	
18	18.50	23.00	93.05	364.65	297.00	251.05	165.20	208.35	87.00	38.80	23.35	22.10	
19	20.00	21.50	112.60	354.15	260.55	242.50	160.40	239.65	82.05	38.40	23.00	24.40	
20	22.40	21.80	123.65	343.65	222.80	230.45	160.40	252.95	78.75	37.60	22.10	28.95	
21	20.90	23.00	129.50	331.05	198.15	224.50	145.10	279.55	76.55	36.80	22.40	31.60	
22	17.60	28.95	136.70	319.00	186.25	223.65	130.15	318.00	72.50	36.40	22.10	28.95	
23	21.50	44.80	136.70	314.00	186.25	214.30	116.50	339.45	70.50	35.60	22.10	26.50	
24	38.00	48.00	121.70	318.00	201.55	201.55	108.20	352.05	68.00	34.80	22.10	26.85	
25	41.20	43.20	99.20	320.00	212.60	192.20	109.40	362.55	65.00	34.40	23.70	28.25	
26	42.80	36.80	89.20	318.00	205.80	222.80	108.80	368.85	63.00	33.60	22.70	26.50	
27	35.60	32.80	93.05	317.00	197.30	258.65	132.75	374.30	61.50	32.80	22.10	24.75	
28	37.20	28.95	99.80	311.00	182.85	277.65	143.70	375.45	62.00	32.00	20.60	23.35	
29	40.00	26.15	97.45	309.00	164.40	287.15	154.00	370.95	60.50	31.60	20.60	22.10	
30	33.60	25.10	95.25	313.00	147.20	297.00	134.70	360.45	58.00	30.80		22.10	
31		25.80		318.00	139.50		117.15		57.00	30.40		22.10	
TOTAL	709.90	1037.50	2126.50	9558.90	7708.15	6813.89	7263.24	6165.84	4115.90	1284.60	719.45	777.90	48281.74 CMSDAY
MEAN	23.66	33.47	70.88	308.35	248.65	227.13	234.30	205.53	132.77	41.44	24.81	25.09	131.92 CMS
MAX	42.80	53.00	136.70	421.60	351.00	297.00	389.25	375.45	347.85	54.50	29.65	35.20	421.60 CMS
MIN	16.50	21.50	24.40	91.95	139.50	149.30	108.20	91.40	57.00	30.40	20.60	22.10	16.50 CMS
RUNOFF	61.335	89.640	183.729	825.888	665.984	588.720	627.544	532.729	355.613	110.989	62.160	67.210	4171.542 MCM

MOMENTARY PEAK 422.80 CMS, AT 10.84 M (MSL), AT 24.00 HOURS, ON JUL 11, 1979

RUNOFF YIELD 25.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 81.31 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

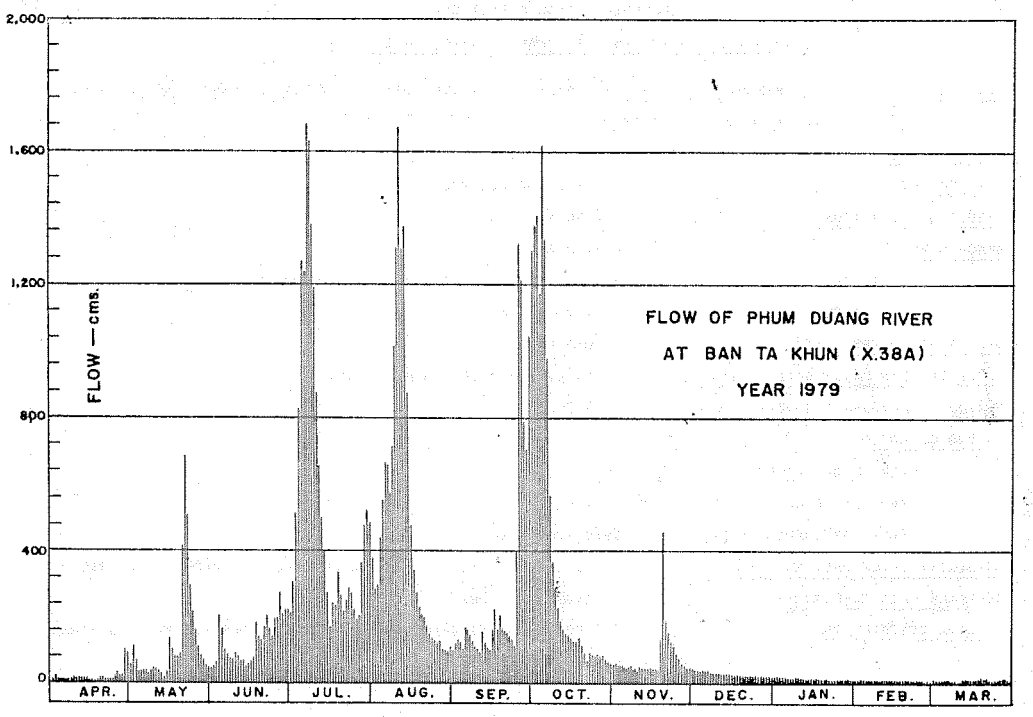
PHUM DUANG AT BAN TA KHUN, SURAT THANI (X.38A)

LOCATION	LAT. 8°-54'-56" N., LONG. 98°-53'-30" E., ON RIGHT BANK AT BAN TA KHUN, KING AMPHOE BAN TA KHUN, SURAT THANI.
DRAINAGE AREA	2,706 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+3.51 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE AUTOMATIC BUILDING.
ELEVATION	+20.697 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITTMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1974 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 106 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	4.32	5.27	5.16	7.11	8.37	5.97	13.80	5.37	5.15	4.64	4.42	4.33	
2	4.56	6.08	5.18	7.76	7.66	6.24	13.93	5.32	5.11	4.63	4.42	4.33	
3	4.42	5.38	5.48	9.47	7.57	6.28	14.03	5.28	5.08	4.62	4.42	4.33	
4	4.33	4.95	7.01	10.17	8.98	6.11	14.29	5.25	5.05	4.61	4.42	4.32	
5	4.29	4.91	6.58	13.35	9.58	6.00	15.54	5.22	5.03	4.59	4.42	4.35	
6	4.28	5.03	5.93	14.53	10.34	6.64	14.51	5.22	5.03	4.60	4.41	4.42	
7	4.23	4.97	5.75	15.71	10.32	6.54	12.52	5.23	5.05	4.61	4.40	4.44	
8	4.36	4.79	5.57	15.57	9.78	6.36	10.52	5.26	5.00	4.59	4.40	4.38	
9	4.46	5.07	5.59	14.68	12.04	6.13	9.23	5.16	4.95	4.58	4.39	4.34	
10	4.50	5.16	5.71	13.05	13.70	5.96	8.38	5.12	4.92	4.56	4.39	4.32	
11	4.45	4.99	5.61	11.12	15.22	5.84	7.74	5.26	4.92	4.55	4.38	4.30	
12	4.46	4.88	5.46	9.67	13.56	6.58	7.36	5.14	4.88	4.54	4.38	4.36	
13	4.50	4.74	5.56	9.27	13.85	6.29	7.06	5.14	4.91	4.54	4.37	4.43	
14	4.40	4.69	5.30	8.41	11.74	5.95	6.82	5.17	4.89	4.53	4.37	4.36	
15	4.34	4.84	5.34	7.72	9.80	6.01	6.60	5.16	4.86	4.52	4.37	4.34	
16	4.31	6.28	5.60	6.57	8.78	6.60	6.44	5.13	4.83	4.51	4.36	4.32	
17	4.33	5.50	5.69	7.31	8.02	7.16	6.36	5.13	4.81	4.51	4.35	4.38	
18	4.42	5.65	6.78	7.20	7.54	6.61	6.36	5.14	4.79	4.50	4.35	4.52	
19	4.63	5.59	6.23	8.10	7.20	6.98	6.36	6.56	4.78	4.50	4.34	4.54	
20	4.60	5.77	6.25	7.49	6.98	6.59	6.08	9.04	4.76	4.49	4.34	4.54	
21	4.46	8.49	6.58	7.12	6.78	6.48	5.93	7.22	4.75	4.49	4.36	4.40	
22	4.38	10.42	6.96	7.41	6.62	6.45	5.52	6.58	4.74	4.48	4.34	4.42	
23	4.47	9.13	6.63	7.77	6.48	6.30	5.76	6.35	4.72	4.48	4.36	4.38	
24	4.52	7.59	6.30	7.51	6.34	6.13	5.79	6.00	4.71	4.47	4.40	4.30	
25	4.77	6.91	6.90	7.16	6.26	8.57	5.70	5.69	4.70	4.46	4.39	4.33	
26	4.91	6.51	6.92	6.93	6.16	13.64	5.75	5.53	4.70	4.45	4.30	4.38	
27	4.81	6.04	7.51	7.06	6.24	13.04	5.66	5.44	4.69	4.45	4.35	4.40	
28	4.67	5.69	7.03	8.48	5.96	10.96	5.70	5.35	4.67	4.44	4.34	4.37	
29	5.97	5.49	7.13	9.43	5.86	10.55	5.58	5.28	4.66	4.44	4.34	4.35	
30	5.81	5.36	7.15	9.48	5.85	11.94	5.48	5.21	4.65	4.43		4.33	
31		5.23		9.30	6.08		5.42		4.64	4.43		4.34	
MEAN	4.57	5.85	6.16	9.42	8.70	7.36	8.27	5.60	4.85	4.52	4.38	4.38	
MAX	5.97	10.42	7.51	15.71	15.22	13.64	15.54	9.04	5.15	4.64	4.42	4.54	15.71
MIN	4.23	4.69	5.16	6.57	5.85	5.84	5.42	5.12	4.64	4.43	4.30	4.30	4.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.93 M (MSL), AT 20.00 HOURS, ON JUL 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 3.51 M (MSL), RIVER BED 2.90 M (MSL)
LEFT BANK ELEVATION 19.74 M (MSL)
RIGHT BANK ELEVATION 22.07 M (MSL), DRAINAGE AREA 2706 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	8.0	53.3	47.1	219.7	374.1	105.6	1357.0	59.9	46.5	19.6	10.8	8.3	
2	16.4	115.2	48.2	296.2	284.2	129.6	1385.6	56.4	44.2	19.2	10.8	8.3	
3	10.8	60.6	67.6	525.5	273.4	133.2	1407.6	53.9	42.5	18.8	10.8	8.3	
4	8.3	35.3	208.5	637.9	455.2	117.9	1173.3	52.2	40.8	18.4	10.8	8.0	
5	7.3	33.2	162.5	1262.5	542.0	108.0	1603.0	50.5	39.7	17.6	10.8	8.7	
6	7.0	39.7	102.4	1239.7	667.2	168.6	1233.9	50.5	39.7	18.0	10.4	10.8	
7	5.7	36.4	88.0	1686.6	663.6	158.4	793.6	51.0	40.8	18.4	10.0	11.6	
8	9.0	26.8	73.9	1616.5	572.8	140.4	498.4	52.7	38.0	17.6	10.0	9.5	
9	12.4	42.0	75.3	1284.0	992.0	119.7	349.3	47.1	35.3	17.2	9.7	8.5	
10	14.0	47.1	84.8	890.5	1336.0	104.8	266.9	44.8	33.7	16.4	9.7	8.0	
11	12.0	37.5	76.8	810.8	1669.4	95.2	212.2	52.7	33.7	16.0	9.5	7.5	
12	12.4	31.6	66.2	555.5	1306.6	162.5	181.8	45.9	31.6	15.6	9.5	9.0	
13	14.0	24.1	73.2	495.8	1368.0	134.1	160.6	45.9	33.2	15.6	9.3	11.2	
14	10.0	21.6	55.0	379.3	932.0	104.0	147.1	47.6	32.1	15.2	9.3	9.0	
15	8.5	29.5	57.8	291.4	576.0	108.9	136.5	47.1	30.5	14.8	9.3	8.5	
16	7.7	133.2	76.0	161.4	427.4	164.5	128.8	45.4	28.9	14.4	9.0	8.0	
17	8.3	69.0	83.2	242.2	328.6	225.3	124.9	45.4	27.9	14.4	8.7	9.5	
18	10.8	80.0	183.0	229.8	269.8	165.5	124.9	45.9	26.8	14.0	8.7	14.8	
19	19.2	75.3	128.7	339.0	229.8	205.2	140.4	160.4	26.3	14.0	8.5	15.6	
20	18.0	89.6	130.5	263.8	205.2	163.5	115.2	463.6	25.2	13.6	8.5	15.6	
21	12.4	389.7	162.5	220.8	183.0	152.2	102.4	232.0	24.7	13.6	9.0	10.0	
22	9.5	681.6	202.9	254.2	166.6	149.1	70.4	162.5	24.1	13.2	8.5	10.8	
23	12.8	476.2	167.6	297.4	152.2	135.0	88.8	139.5	23.1	13.2	9.0	9.5	
24	14.8	275.8	135.0	266.2	138.6	119.7	91.2	108.0	22.5	12.8	10.0	7.5	
25	25.7	197.3	196.2	225.3	131.4	400.1	84.0	83.2	22.0	12.4	9.7	8.3	
26	33.2	155.3	198.4	199.6	122.4	1323.4	88.0	71.1	22.0	12.0	7.5	9.5	
27	27.9	111.6	266.2	214.1	129.6	1197.4	80.8	64.8	21.6	12.0	8.7	10.0	
28	20.8	83.2	210.8	388.4	104.8	780.4	84.0	58.5	20.8	11.6	8.5	9.3	
29	105.6	68.3	222.0	519.5	96.8	705.0	74.6	53.9	20.4	11.6	8.5	8.7	
30	92.8	59.2	224.2	527.0	96.0	972.0	67.6	49.9	20.0	11.2		8.3	
31		51.0		500.0	115.2		63.4		19.6	11.2		8.5	
TOTAL	575.3	3630.2	3874.5	17040.6	14909.9	8749.2	12436.2	2542.3	938.2	463.6	273.5	299.1	65732.5 CMSDAY
MEAN	19.2	117.1	129.1	549.7	481.0	291.6	401.2	84.7	30.3	15.0	9.4	9.6	179.6 CMS
MAX	105.6	681.6	266.2	1686.6	1669.4	1323.4	1603.0	463.6	46.5	19.6	10.8	15.6	1686.6 CMS
MIN	5.7	21.6	47.1	161.4	96.0	95.2	63.4	44.8	19.6	11.2	7.5	7.5	5.7 CMS
RUNOFF	49.71	313.65	334.76	1472.31	1288.21	755.93	1074.49	219.65	81.06	40.05	23.63	25.84	5679.29 MCM

MOMENTARY PEAK 1799.71 CMS, AT 15.93 M (MSL), AT 20.00 HOURS, ON JUL 7, 1979

RUNOFF YIELD 66.37 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 665.08 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

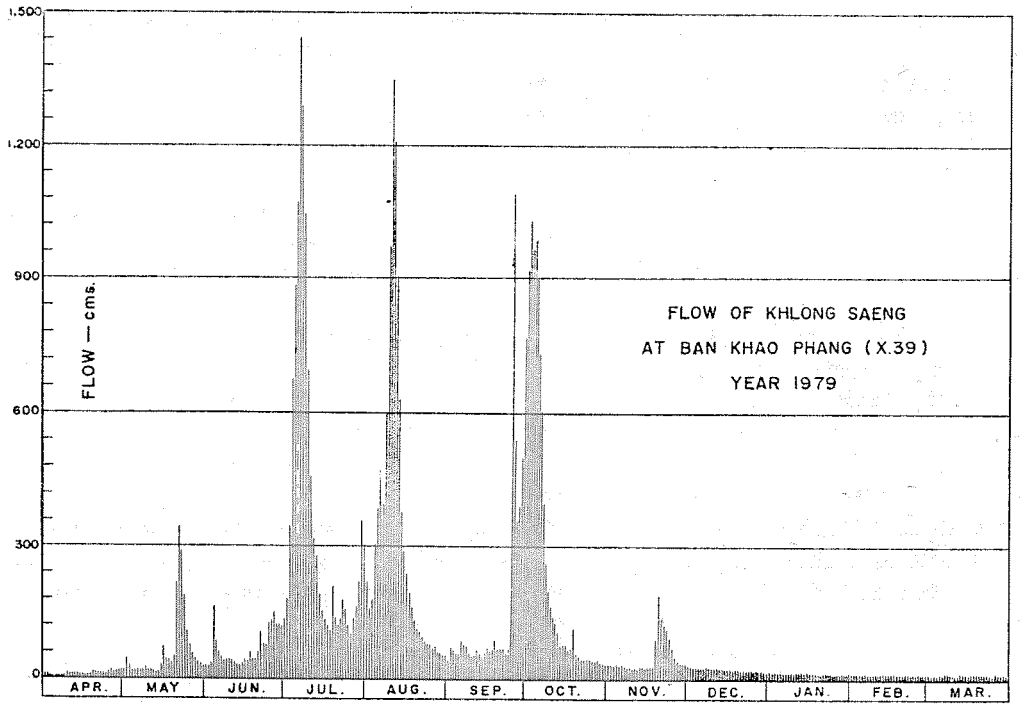
KHLONG SAENG AT BAN KHAO PHANG, SURAT THANI (X.39)

LOCATION	LAT. 8°-57'-07" N., LONG. 98°-48'-53" E., ON LEFT BANK AT BAN KHAO PHANG, AMPHOE KHIRI RATTHANIKHOM, SURAT THANI.
DRAINAGE AREA	1,437 SQ.KM.
TYPE OF GAGE	WATER-STAGE RECORDER.
ZERO GAGE AT BOTTOM AT	+8.550 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 10 METERS UPSTREAM FROM THE MEASURING LINE.
ELEVATION	+21.625 M. (M.S.L.)
GAGE READING FREQUENCY	RECORDING.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 24 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1964 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1969 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1969 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 44 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	9.21	9.64	9.72	11.58	12.34	10.32	16.80	9.88	9.81	9.41	9.28	9.22	
2	9.27	10.31	9.83	12.16	11.83	10.49	16.86	9.85	9.78	9.40	9.28	9.22	
3	9.18	9.69	10.03	13.62	11.96	10.48	17.36	9.83	9.75	9.40	9.28	9.22	
4	9.14	9.45	11.83	16.21	13.27	10.39	17.05	9.80	9.73	9.39	9.28	9.21	
5	9.14	9.46	10.84	17.20	13.80	10.38	17.17	9.77	9.71	9.39	9.28	9.24	
6	9.14	9.57	10.37	18.38	14.41	10.89	16.22	9.75	9.72	9.39	9.28	9.29	
7	9.13	9.54	10.22	19.14	13.91	10.72	14.20	9.76	9.71	9.39	9.27	9.29	
8	9.15	9.44	10.09	18.17	13.82	10.58	12.97	9.73	9.67	9.38	9.27	9.24	
9	9.29	9.74	10.15	17.02	16.37	10.41	12.33	9.72	9.64	9.38	9.26	9.22	
10	9.20	9.56	10.13	15.24	17.69	10.31	11.85	9.68	9.62	9.37	9.26	9.21	
11	9.23	9.49	10.06	13.82	18.78	10.25	11.52	9.66	9.61	9.36	9.26	9.21	
12	9.28	9.43	9.96	13.19	18.01	10.55	11.30	9.65	9.59	9.35	9.26	9.22	
13	9.30	9.35	9.91	12.91	16.18	10.41	11.12	9.66	9.59	9.35	9.26	9.27	
14	9.23	9.33	9.83	12.25	14.21	10.26	10.90	9.77	9.59	9.34	9.26	9.24	
15	9.19	9.92	9.94	11.79	13.22	10.44	10.77	9.72	9.57	9.34	9.26	9.23	
16	9.19	10.58	10.18	11.53	12.70	10.68	10.67	9.70	9.54	9.34	9.25	9.22	
17	9.19	10.10	10.07	11.35	12.18	10.65	10.60	9.71	9.52	9.33	9.25	9.28	
18	9.29	10.15	10.51	11.23	11.83	10.64	10.63	9.77	9.51	9.33	9.25	9.30	
19	9.38	9.95	10.15	12.29	11.53	11.01	10.65	11.12	9.50	9.33	9.25	9.30	
20	9.33	10.48	10.29	11.56	11.30	10.64	10.38	12.13	9.50	9.32	9.24	9.26	
21	9.26	12.97	10.68	11.34	11.18	10.60	10.29	11.57	9.49	9.32	9.24	9.26	
22	9.21	13.45	11.20	11.62	11.06	10.63	10.23	11.32	9.48	9.31	9.24	9.26	
23	9.25	12.70	10.82	12.02	10.92	10.50	10.17	11.30	9.47	9.31	9.24	9.23	
24	9.26	11.52	10.72	11.75	10.74	10.47	10.19	11.03	9.46	9.31	9.24	9.22	
25	9.32	11.00	11.48	11.33	10.68	13.88	10.11	10.74	9.45	9.30	9.24	9.21	
26	9.62	10.75	11.51	11.13	10.61	17.63	10.17	10.41	9.45	9.30	9.24	9.25	
27	9.40	10.39	11.75	11.57	10.67	15.10	10.11	10.03	9.44	9.30	9.24	9.24	
28	9.34	10.13	11.40	11.93	10.44	13.58	10.14	9.96	9.43	9.30	9.24	9.22	
29	9.60	10.02	11.39	12.56	10.37	13.92	10.02	9.90	9.43	9.29	9.23	9.21	
30	9.55	9.92	11.38	13.56	10.40	15.29	9.96	9.86	9.42	9.29		9.21	
31		9.82		13.09	10.40		9.84		9.41	9.29		9.21	
MEAN	9.28	10.25	10.55	13.31	12.80	11.40	12.02	10.16	9.57	9.34	9.26	9.24	
MAX	9.62	13.45	11.83	19.14	18.78	17.63	17.36	12.13	9.81	9.41	9.28	9.30	19.14
MIN	9.13	9.33	9.72	11.13	10.37	10.25	9.84	9.65	9.41	9.29	9.23	9.21	9.13

ANNUAL MAX MOMENTARY GAGE HEIGHT 19.29 M (MSL), AT 12.00 HOURS, ON JUL 7, 1979
ZERO GAGE AT BOTTOM ELEVATION 8.55 M (MSL), RIVER BED 8.33 M (MSL)
LEFT BANK ELEVATION 25.20 M (MSL)
RIGHT BANK ELEVATION 25.61 M (MSL), DRAINAGE AREA 1437 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.6	23.0	25.9	139.2	212.0	52.0	907.0	31.7	29.2	14.8	10.1	7.9	
2	9.7	51.5	29.9	194.0	161.7	61.4	919.6	30.6	28.1	14.4	10.1	7.9	
3	6.5	24.8	37.5	377.6	174.0	60.8	1027.2	29.9	27.0	14.4	10.1	7.9	
4	5.0	16.2	161.7	787.6	316.4	55.5	959.5	28.8	26.3	14.0	10.1	7.6	
5	5.0	16.6	82.8	992.0	401.0	55.0	985.4	27.7	25.6	14.0	10.1	8.6	
6	5.0	20.5	54.5	1259.4	474.5	86.3	789.6	27.0	25.9	14.0	10.1	10.4	
7	4.7	19.4	47.0	1437.6	410.9	75.2	443.0	27.4	25.6	14.0	9.7	10.4	
8	5.4	15.8	40.5	1211.1	402.8	66.8	280.4	26.3	24.1	13.7	9.7	8.6	
9	10.4	26.6	43.5	953.2	819.4	56.6	211.0	25.9	23.0	13.7	9.4	7.9	
10	7.2	20.2	42.5	606.8	1100.7	51.5	163.5	24.5	22.3	13.3	9.4	7.6	
11	8.3	17.6	39.0	402.8	1351.4	48.5	133.8	23.8	22.0	13.0	9.4	7.6	
12	10.1	15.5	34.6	306.8	1174.3	65.0	116.0	23.4	21.2	12.6	9.4	7.9	
13	10.8	12.6	32.8	273.2	781.7	56.6	102.4	23.8	21.2	12.6	9.4	9.7	
14	8.3	11.9	29.9	203.0	444.5	49.0	87.0	27.7	21.2	12.2	9.4	8.6	
15	6.8	33.1	33.8	158.1	310.4	58.4	78.2	25.9	20.5	12.2	9.4	8.3	
16	6.8	66.8	45.0	134.7	250.0	72.8	72.2	25.2	19.4	12.2	9.0	7.9	
17	6.8	41.0	39.5	120.0	196.0	71.0	68.0	25.6	18.7	11.9	9.0	10.1	
18	10.4	43.5	62.6	110.4	161.7	70.4	69.8	27.7	18.4	11.9	9.0	10.8	
19	13.7	34.2	43.5	207.0	134.7	94.7	71.0	102.4	18.0	11.9	9.0	10.8	
20	11.9	60.8	50.5	137.4	116.0	70.4	55.0	191.0	18.0	11.6	8.6	9.4	
21	9.4	280.4	72.8	119.2	106.6	68.0	50.5	138.3	17.6	11.5	8.6	9.4	
22	7.6	347.0	108.0	142.8	98.2	69.8	47.5	117.6	17.3	11.2	8.6	9.4	
23	9.0	250.0	81.4	180.0	88.4	62.0	44.5	116.0	16.9	11.2	8.6	8.3	
24	9.4	133.8	75.2	154.5	76.4	60.2	45.5	96.1	16.6	11.2	8.6	7.9	
25	11.5	94.0	130.4	118.4	72.8	408.2	41.5	76.4	16.2	10.8	8.6	7.6	
26	22.3	77.0	132.9	103.1	68.6	1086.9	44.5	56.6	16.2	10.8	8.6	9.0	
27	14.4	55.5	154.5	138.3	72.2	583.0	41.5	37.5	15.8	10.8	8.6	8.6	
28	12.2	42.5	124.0	171.0	58.4	370.4	43.0	34.6	15.5	10.8	8.6	7.9	
29	21.6	37.0	123.2	234.6	54.5	411.8	37.0	32.4	15.5	10.4	8.3	7.6	
30	19.8	33.1	122.4	366.8	56.0	615.3	34.6	31.0	15.1	10.4		7.6	
31		29.5		294.8	56.0		30.2		14.8	10.4		7.6	
TOTAL	297.6	1951.4	2101.8	12035.4	10202.2	5013.5	7999.9	1512.8	633.2	381.8	267.5	266.8	42663.8 CMSDAY
MEAN	9.9	62.9	70.1	388.2	329.1	167.1	258.1	50.4	20.4	12.3	9.2	8.6	116.6 CMS
MAX	22.3	347.0	161.7	1437.6	1351.4	1086.9	1027.2	191.0	29.2	14.8	10.1	10.8	1437.6 CMS
MIN	4.7	11.9	25.9	103.1	54.5	48.5	30.2	23.4	14.8	10.4	8.3	7.6	4.7 CMS
RUNOFF	25.71	168.60	181.60	1039.86	881.47	433.17	691.19	130.71	54.71	32.99	23.11	23.05	3686.15 MCM

MOMENTARY PEAK 1473.60 CMS, AT 19.29 M (MSL), AT 12.00 HOURS, ON JUL 7, 1979

RUNOFF YIELD 81.12 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1025.47 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG CHONG LOM AT BAN CHONG LOM, SURAT THANI (X.57)

LOCATION — LAT. 8°-53'-10" N., LONG. 98°-41'-27" E., ON LEFT BANK DOWNSTREAM SIDE OF THE CONCRETE BRIDGE OF TAKUAPA-SURAT THANI HIGHWAY, AMPHOE PHANOM, SURAT THANI.

DRAINAGE AREA — 8 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — B.M.1 ABOUT 6 METERS, B.M.2 ABOUT 13 METERS FROM THE GAGE SITE.

ELEVATION — B.M.1=+3.183 M. (A.D.), B.M.2=+3.262 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1972 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972-1975

RATED BY FLOAT — -

RATED BY CURRENT METER — 1972-1975

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +6.01 M.(A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 7 DISCHARGE MEASUREMENTS MADE IN 1975.

REMARKS — ESTIMATED GAGE HEIGHT DURING DEC 1-31,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

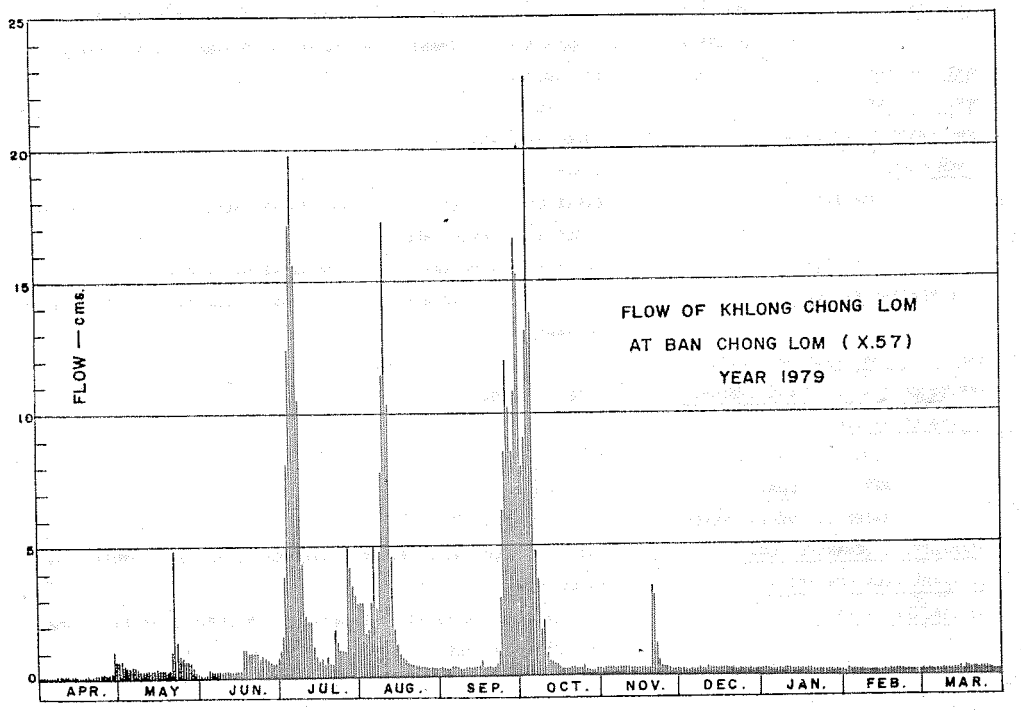
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.34	0.86	0.48	1.04	1.86	0.67	4.56	0.63	0.56	0.49	0.45	0.44	
2	0.34	0.82	0.45	1.15	1.82	0.64	3.26	0.63	0.55	0.49	0.45	0.44	
3	0.33	0.70	0.49	2.43	1.37	0.61	3.58	0.63	0.55	0.49	0.45	0.44	
4	0.33	0.65	0.58	3.63	1.45	0.61	4.32	0.63	0.54	0.49	0.45	0.44	
5	0.33	0.62	0.52	4.39	1.84	0.61	5.88	0.62	0.54	0.49	0.45	0.44	
6	0.33	0.61	0.51	5.06	2.49	0.60	2.88	0.62	0.54	0.49	0.45	0.44	
7	0.40	0.60	0.51	5.41	1.64	0.65	2.34	0.62	0.53	0.48	0.45	0.44	
8	0.40	0.58	0.50	4.72	2.41	0.65	2.03	0.62	0.53	0.48	0.45	0.44	
9	0.34	0.54	0.50	2.81	3.43	0.62	1.44	0.61	0.53	0.48	0.45	0.44	
10	0.33	0.50	0.48	1.93	4.30	0.61	1.58	0.61	0.52	0.48	0.45	0.44	
11	0.34	0.50	0.45	1.70	5.00	0.60	0.89	0.61	0.52	0.48	0.45	0.44	
12	0.33	0.55	0.45	1.56	3.73	0.64	0.81	0.60	0.52	0.48	0.45	0.44	
13	0.38	0.54	0.45	1.55	2.40	0.63	0.77	0.60	0.52	0.47	0.44	0.45	
14	0.41	0.59	0.45	1.14	1.48	0.64	0.75	0.60	0.51	0.47	0.44	0.53	
15	0.36	0.60	0.49	0.96	1.23	0.67	0.71	0.59	0.52	0.47	0.44	0.46	
16	0.34	0.54	0.53	0.86	1.03	0.86	0.62	0.59	0.52	0.47	0.44	0.45	
17	0.34	0.51	1.10	0.88	0.90	0.68	0.60	0.58	0.53	0.47	0.44	0.48	
18	0.40	0.52	1.12	0.76	0.83	0.65	0.62	0.58	0.53	0.47	0.44	0.50	
19	0.44	0.51	1.02	0.95	0.78	0.66	0.61	0.58	0.52	0.47	0.44	0.46	
20	0.39	0.53	0.99	0.79	0.75	0.66	0.66	2.04	0.52	0.46	0.44	0.49	
21	0.39	0.26	1.04	0.75	0.73	0.67	0.64	1.89	0.52	0.46	0.44	0.49	
22	0.39	2.48	1.01	1.49	0.70	0.77	0.64	1.07	0.52	0.46	0.44	0.47	
23	0.39	1.24	0.95	1.14	0.72	1.13	0.63	0.67	0.52	0.46	0.44	0.47	
24	0.43	0.95	0.91	1.09	0.65	2.37	0.64	0.64	0.51	0.46	0.44	0.47	
25	0.40	0.93	0.92	1.06	0.65	3.47	0.64	0.62	0.51	0.46	0.44	0.48	
26	0.40	0.89	0.86	1.07	0.65	4.07	0.61	0.61	0.51	0.46	0.44	0.47	
27	0.40	0.84	0.82	2.50	0.65	3.71	0.58	0.58	0.51	0.45	0.44	0.48	
28	0.46	0.77	0.79	2.25	0.64	3.39	0.55	0.56	0.50	0.45	0.44	0.48	
29	1.06	0.60	0.77	2.00	0.63	3.33	0.53	0.56	0.50	0.45	0.44	0.47	
30	0.81	0.54	0.80	1.93	0.62	4.89	0.61	0.56	0.49	0.45		0.46	
31		0.50		1.78	0.62		0.62		0.49	0.45		0.48	
MEAN	0.41	0.74	0.70	1.96	1.55	1.38	1.47	0.71	0.52	0.47	0.44	0.46	
MAX	1.06	2.48	1.12	5.41	5.00	4.89	5.88	2.04	0.56	0.49	0.45	0.53	5.88
MIN	0.33	0.50	0.45	0.75	0.62	0.60	0.53	0.56	0.49	0.45	0.44	0.44	0.33

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.50 M (A.D), AT 6.00 HOURS, ON OCT 5, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.62 M (A.D)

LEFT BANK ELEVATION — 6.00 M (A.D)

RIGHT BANK ELEVATION — 6.01 M (A.D), DRAINAGE AREA 8 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.12	0.68	0.22	0.98	2.93	0.42	14.65	0.38	0.30	0.23	0.20	0.19	
2	0.12	0.63	0.20	1.20	2.82	0.39	7.92	0.38	0.29	0.23	0.20	0.19	
3	0.11	0.46	0.23	4.71	1.67	0.35	9.40	0.38	0.29	0.23	0.20	0.19	
4	0.11	0.40	0.32	9.65	1.86	0.35	13.29	0.38	0.28	0.23	0.20	0.19	
5	0.11	0.36	0.26	13.63	2.87	0.35	22.66	0.36	0.28	0.23	0.20	0.19	
6	0.11	0.35	0.25	17.58	4.92	0.34	6.38	0.36	0.28	0.23	0.20	0.19	
7	0.16	0.34	0.25	19.74	2.34	0.40	4.38	0.36	0.27	0.22	0.20	0.19	
8	0.16	0.32	0.24	15.58	4.64	0.40	3.41	0.36	0.27	0.22	0.20	0.19	
9	0.12	0.28	0.24	6.10	8.68	0.36	1.84	0.35	0.27	0.22	0.20	0.19	
10	0.11	0.24	0.22	3.12	13.18	0.35	2.19	0.35	0.26	0.22	0.20	0.19	
11	0.12	0.24	0.20	2.50	17.22	0.34	0.73	0.35	0.26	0.22	0.20	0.19	
12	0.11	0.29	0.20	2.14	10.15	0.39	0.61	0.34	0.26	0.22	0.20	0.19	
13	0.15	0.28	0.20	2.11	4.60	0.38	0.56	0.34	0.26	0.22	0.19	0.20	
14	0.17	0.33	0.20	1.18	1.93	0.39	0.53	0.34	0.25	0.22	0.19	0.27	
15	0.13	0.34	0.23	0.84	1.36	0.42	0.47	0.33	0.26	0.22	0.19	0.21	
16	0.12	0.28	0.27	0.68	0.96	0.68	0.36	0.33	0.26	0.22	0.19	0.20	
17	0.12	0.25	1.10	0.71	0.74	0.44	0.34	0.32	0.27	0.22	0.19	0.22	
18	0.16	0.26	1.14	0.54	0.64	0.40	0.36	0.32	0.27	0.22	0.19	0.24	
19	0.19	0.25	0.94	0.82	0.57	0.41	0.35	0.32	0.26	0.22	0.19	0.21	
20	0.15	0.27	0.88	0.59	0.53	0.41	0.41	3.44	0.26	0.21	0.19	0.23	
21	0.15	1.42	0.98	0.53	0.50	0.42	0.39	3.01	0.26	0.21	0.19	0.23	
22	0.15	4.89	0.92	1.96	0.46	0.56	0.39	1.04	0.26	0.21	0.19	0.22	
23	0.15	1.38	0.82	1.18	0.46	1.16	0.38	0.42	0.26	0.21	0.19	0.22	
24	0.18	0.82	0.76	1.08	0.40	4.49	0.39	0.39	0.25	0.21	0.19	0.22	
25	0.16	0.79	0.77	1.02	0.40	8.88	0.39	0.36	0.25	0.21	0.19	0.22	
26	0.16	0.73	0.68	1.04	0.40	11.92	0.35	0.35	0.25	0.21	0.19	0.22	
27	0.16	0.66	0.63	4.96	0.40	10.05	0.32	0.32	0.25	0.20	0.19	0.22	
28	0.21	0.56	0.59	4.08	0.39	8.50	0.29	0.30	0.24	0.20	0.19	0.22	
29	1.02	0.34	0.56	3.32	0.38	10.66	0.27	0.30	0.24	0.20	0.19	0.22	
30	0.61	0.28	0.60	3.12	0.36	16.56	0.35	0.30	0.23	0.20		0.21	
31		0.24		2.71	0.36		0.36		0.23	0.20		0.22	
TOTAL	5.60	18.96	15.10	129.45	89.12	81.17	94.72	16.88	8.12	6.71	5.63	6.48	477.94 CMSDAY
MEAN	0.19	0.61	0.50	4.18	2.87	2.71	3.06	0.56	0.26	0.22	0.19	0.21	1.31 CMS
MAX	1.02	4.89	1.14	19.74	17.22	16.56	22.66	3.44	0.30	0.23	0.20	0.27	22.66 CMS
MIN	0.11	0.24	0.20	0.53	0.36	0.34	0.27	0.30	0.23	0.20	0.19	0.19	0.11 CMS
RUNOFF	0.484	1.638	1.305	11.184	7.700	7.013	8.184	1.458	0.702	0.580	0.486	0.560	41.294 MCM

MOMENTARY PEAK 26.50 CMS, AT 6.50 M (A.D), AT 6.00 HOURS, ON OCT 5, 1979
RUNOFF YIELD 163.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3312.50 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG SOK AT BAN LANG THAM, SURAT THANI (X.58)

LOCATION — LAT. 8°-53'-05" N., LONG 98°-40'-06" E., ON RIGHT BANK ABOUT 10 METERS DOWNSTREAM FROM THE CONCRETE BRIDGE OF TAKUAPA-SURAT THANI HIGHWAY, AMPHOE PHANOM, SURAT THANI.

DRAINAGE AREA — 312 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-M.S.

LOCATION — B.M.1 ON RIGHT BANK UNDER TACK FRUIT TREE, B.M.2 ON RIGHT BANK UNDER ROSS APPLE TREE.

ELEVATION — B.M.1=+7.079 M. (A.D.), B.M.2=+6.942 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1972 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1972 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1972 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 17 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

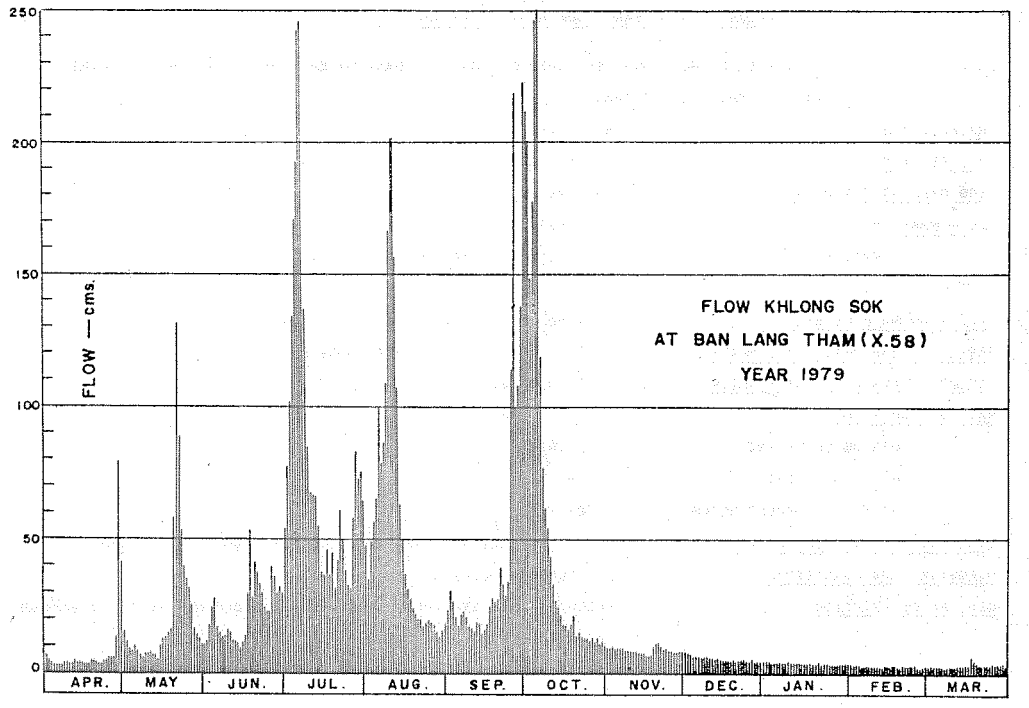
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.57	0.97	0.76	1.73	1.87	1.27	5.12	0.74	0.54	0.38	0.27	0.21	
2	0.37	0.81	0.96	2.74	1.64	1.50	4.11	0.73	0.53	0.38	0.27	0.21	
3	0.29	0.65	1.29	3.43	2.02	1.37	4.59	0.72	0.53	0.37	0.26	0.21	
4	0.36	0.64	1.39	4.51	2.31	1.21	5.97	0.69	0.52	0.37	0.27	0.22	
5	0.27	0.72	1.09	5.05	2.57	1.09	5.78	0.68	0.52	0.36	0.27	0.25	
6	0.24	0.66	0.99	5.89	3.30	1.23	3.72	0.67	0.51	0.36	0.27	0.25	
7	0.27	0.57	0.90	5.90	2.79	1.25	2.83	0.66	0.51	0.35	0.26	0.23	
8	0.34	0.49	0.86	4.53	3.22	1.19	2.30	0.66	0.51	0.35	0.26	0.22	
9	0.41	0.61	1.04	3.56	4.41	1.07	2.15	0.65	0.50	0.35	0.26	0.21	
10	0.32	0.59	0.97	2.88	5.28	1.02	1.80	0.63	0.49	0.35	0.25	0.20	
11	0.29	0.64	0.81	2.53	5.28	1.00	1.56	0.63	0.48	0.35	0.25	0.20	
12	0.44	0.53	0.82	2.52	4.07	1.10	1.42	0.62	0.47	0.34	0.25	0.25	
13	0.33	0.49	0.76	2.47	2.99	1.09	1.33	0.61	0.47	0.34	0.24	0.24	
14	0.32	0.48	0.73	2.00	2.34	0.97	1.21	0.61	0.48	0.33	0.24	0.22	
15	0.31	0.87	0.76	1.70	1.97	1.03	1.09	0.59	0.46	0.33	0.23	0.22	
16	0.28	0.86	0.96	1.68	1.70	1.02	1.06	0.58	0.45	0.33	0.23	0.21	
17	0.26	0.97	1.55	1.93	1.52	1.33	1.03	0.58	0.44	0.32	0.23	0.52	
18	0.46	1.00	2.13	1.68	1.40	1.42	1.06	0.57	0.44	0.32	0.23	0.38	
19	0.45	1.04	1.42	1.92	1.27	1.38	1.22	0.83	0.43	0.32	0.23	0.29	
20	0.36	1.87	1.79	1.54	1.22	1.41	0.92	0.77	0.43	0.31	0.22	0.34	
21	0.32	3.96	1.63	1.69	1.19	1.78	0.94	0.79	0.43	0.31	0.22	0.26	
22	0.32	3.01	1.54	2.39	1.15	1.59	0.92	0.70	0.43	0.31	0.22	0.23	
23	0.33	1.85	1.30	2.19	1.06	1.44	0.87	0.66	0.43	0.31	0.22	0.21	
24	0.35	1.70	1.26	1.74	1.11	1.53	0.85	0.63	0.42	0.31	0.25	0.26	
25	0.52	1.60	1.24	1.56	1.14	3.87	0.82	0.60	0.42	0.31	0.24	0.24	
26	0.53	1.41	1.76	1.50	1.11	5.46	0.85	0.58	0.40	0.30	0.23	0.30	
27	0.50	1.13	1.69	2.12	1.05	3.44	0.82	0.58	0.39	0.30	0.23	0.26	
28	0.67	0.99	1.47	2.91	0.96	3.55	0.86	0.57	0.39	0.30	0.22	0.28	
29	2.83	0.94	1.57	2.66	0.93	4.53	0.77	0.56	0.39	0.29	0.22	0.33	
30	1.30	0.84	1.49	2.73	0.96	5.52	0.76	0.56	0.38	0.28		0.27	
31		0.78		2.43	1.15		0.75		0.38	0.28		0.25	
MEAN	0.49	1.09	1.23	2.71	2.10	1.89	1.92	0.65	0.46	0.33	0.24	0.26	
MAX	2.83	3.96	2.13	5.90	5.28	5.52	5.97	0.83	0.54	0.38	0.27	0.52	5.97
MIN	0.24	0.48	0.73	1.50	0.93	0.97	0.75	0.56	0.38	0.28	0.22	0.20	0.20

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.89 M (A.D.), AT 22.00 HOURS, ON OCT 4, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED -0.29 M (A.D.)

LEFT BANK ELEVATION — 8.93 M (A.D.)

RIGHT BANK ELEVATION — 8.99 M (A.D.), DRAINAGE AREA 312 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	6.52	14.81	10.16	38.05	42.95	23.10	198.20	9.74	6.04	3.80	2.70	2.10	
2	3.70	11.22	14.58	75.60	34.90	30.00	141.05	9.53	5.88	3.80	2.70	2.10	
3	2.90	7.95	23.70	106.50	48.20	26.10	167.45	9.32	5.88	3.70	2.60	2.10	
4	3.60	7.76	26.70	163.05	58.40	21.30	250.05	8.71	5.72	3.70	2.70	2.20	
5	2.70	9.32	17.75	194.00	68.80	17.75	237.80	8.52	5.72	3.60	2.70	2.50	
6	2.40	8.14	15.27	244.85	100.00	21.90	121.00	8.33	5.56	3.60	2.70	2.50	
7	2.70	6.52	13.20	245.50	77.60	22.50	79.20	8.14	5.56	3.50	2.60	2.30	
8	3.40	5.26	12.32	164.15	96.40	20.70	58.00	8.14	5.56	3.50	2.60	2.20	
9	4.14	7.19	16.50	113.00	157.55	17.25	52.75	7.95	5.40	3.50	2.60	2.10	
10	3.20	6.84	14.81	81.20	207.80	16.00	40.50	7.57	5.26	3.50	2.50	2.00	
11	2.90	7.76	11.22	67.20	207.80	15.50	32.10	7.57	5.12	3.50	2.50	2.00	
12	4.56	5.88	11.44	66.80	138.85	18.00	27.60	7.38	4.98	3.40	2.50	2.50	
13	3.30	5.26	10.16	64.80	86.05	17.75	24.90	7.19	4.98	3.40	2.40	2.40	
14	3.20	5.12	9.53	47.50	59.60	14.81	21.30	7.19	5.12	3.30	2.40	2.20	
15	3.10	12.54	10.16	37.00	46.45	16.25	17.75	6.84	4.84	3.30	2.30	2.20	
16	2.80	12.32	14.58	36.30	37.00	16.00	17.00	6.68	4.70	3.30	2.30	2.10	
17	2.60	14.81	31.75	45.05	30.70	24.90	16.25	6.68	4.56	3.20	2.30	5.72	
18	4.84	15.50	52.05	36.30	27.00	27.60	17.00	6.52	4.56	3.20	2.30	3.80	
19	4.70	16.50	27.60	44.70	23.10	26.40	21.60	11.66	4.42	3.20	2.30	2.90	
20	3.60	42.95	40.15	31.40	21.60	27.30	13.66	10.37	4.42	3.10	2.20	3.40	
21	3.20	133.00	34.55	36.65	20.70	39.80	14.12	10.79	4.42	3.10	2.20	2.60	
22	3.20	86.95	31.40	61.60	19.50	33.15	13.66	8.90	4.42	3.10	2.20	2.30	
23	3.30	42.25	24.00	54.15	17.00	28.20	12.54	8.14	4.42	3.10	2.20	2.10	
24	3.50	37.00	22.80	38.40	18.30	31.05	12.10	7.57	4.28	3.10	2.50	2.60	
25	5.72	33.50	22.20	32.10	19.20	128.50	11.44	7.00	4.28	3.10	2.40	2.40	
26	5.88	27.30	39.10	30.00	18.30	218.60	12.10	6.68	4.00	3.00	2.30	3.00	
27	5.40	18.90	36.65	51.70	16.75	107.00	11.44	6.68	3.90	3.00	2.30	2.60	
28	8.33	15.27	29.10	82.45	14.58	112.50	12.32	6.52	3.90	3.00	2.20	2.80	
29	79.20	14.12	32.45	72.40	13.89	164.15	10.37	6.36	3.90	2.90	2.20	3.30	
30	24.00	11.88	29.70	75.20	14.58	222.20	10.16	6.36	3.80	2.80		2.70	
31		10.58		63.20	19.50		9.95		3.80	2.80		2.50	
TOTAL	212.59	654.40	685.58	2500.80	1763.05	1506.26	1685.36	239.03	149.40	102.10	70.40	80.22	9649.17 CMSDAY
MEAN	7.09	21.11	22.85	80.67	56.87	50.21	54.37	7.97	4.82	3.29	2.43	2.59	26.36 CMS
MAX	79.20	133.00	52.05	245.50	207.80	222.20	250.05	11.66	6.04	3.80	2.70	5.72	250.05 CMS
MIN	2.40	5.12	9.53	30.00	13.89	14.81	9.95	6.36	3.80	2.80	2.20	2.00	2.00 CMS
RUNOFF	18.368	56.540	59.234	216.069	152.327	130.141	145.615	20.652	12.908	8.821	6.083	6.931	833.688 MCM

MOMENTARY PEAK 309.85 CMS, AT 6.89 M (A.D), AT 22.00 HOURS, ON OCT 4, 1979
RUNOFF YIELD 84.50 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 993.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

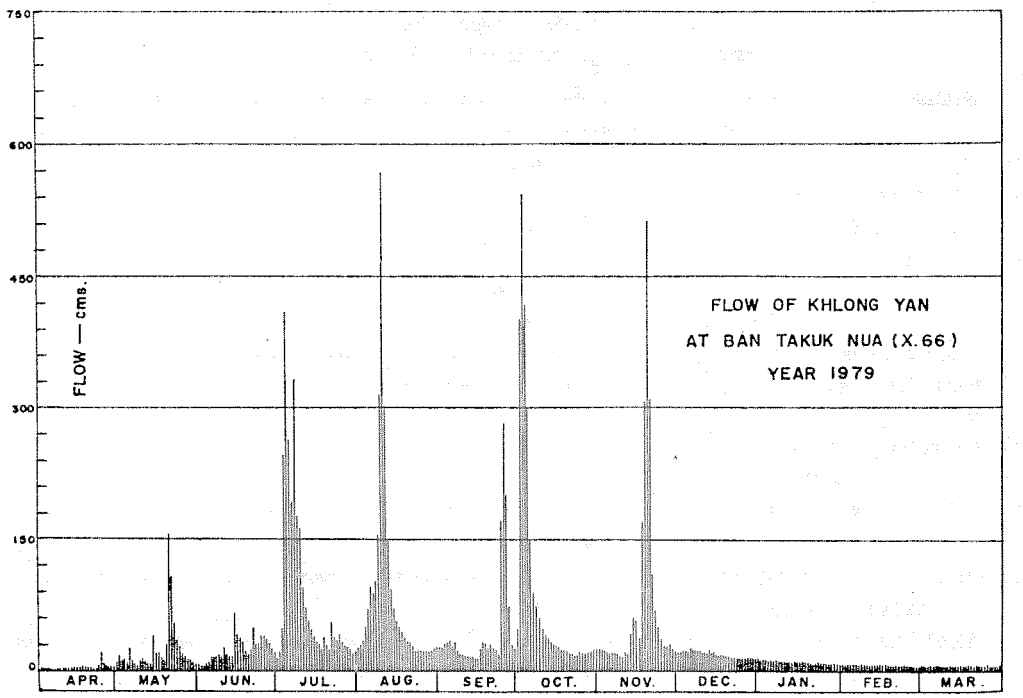
KHLONG YAN AT BAN TAKUK NUA, SURAT THANI (X.66)

LOCATION	LAT. 9°-18'-27" N., LONG. 98°-51'-52" E., ON LEFT BANK AT BAN TAKUK NUA, AMPHOE KHIRI RATTHANIKHOM, SURAT THANI.
DRAINAGE AREA	661 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+53.070 M. (M.S.L.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK NEAR THE GAGE SITE.
ELEVATION	+64.675 M.(M.S.L.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1972 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1972-1979
RATED BY FLOAT	-
RATED BY CURRENT METER	1972-1979
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	53.49	53.98	53.75	54.01	54.31	54.31	54.40	54.23	54.15	53.90	53.70	53.59	
2	53.49	54.11	53.71	54.16	54.40	54.30	56.75	54.22	54.14	53.89	53.69	53.59	
3	53.49	53.89	53.74	55.03	54.52	54.36	58.38	54.18	54.16	53.88	53.69	53.59	
4	53.49	54.02	53.80	57.61	54.71	54.39	58.27	54.15	54.20	53.87	53.68	53.59	
5	53.49	53.82	53.95	56.83	55.08	54.46	56.90	54.11	54.21	53.86	53.68	53.59	
6	53.48	54.30	54.08	56.46	55.30	54.33	55.55	54.17	54.23	53.85	53.67	53.59	
7	53.48	53.85	54.06	56.16	55.21	54.39	55.24	54.18	54.20	53.84	53.67	53.59	
8	53.52	53.76	54.07	57.12	55.61	54.19	55.01	54.13	54.18	53.83	53.66	53.59	
9	53.49	53.68	54.14	56.05	56.26	54.10	54.89	54.03	54.19	53.82	53.66	53.59	
10	53.49	53.94	54.05	55.94	58.50	54.07	54.73	53.99	54.17	53.81	53.66	53.58	
11	53.48	53.99	54.31	55.33	56.83	54.04	54.60	54.19	54.13	53.81	53.65	53.58	
12	53.48	53.81	54.11	55.05	56.14	54.04	54.51	54.10	54.12	53.80	53.65	53.58	
13	53.48	53.79	54.15	54.83	55.56	54.04	54.43	54.67	54.20	53.80	53.65	53.58	
14	53.48	53.70	54.01	54.65	55.19	54.00	54.37	54.86	54.11	53.79	53.64	53.58	
15	53.51	54.53	54.92	54.50	54.95	53.98	54.32	54.82	54.13	53.78	53.64	53.58	
16	53.52	54.14	54.53	54.46	54.79	54.04	54.27	54.56	54.08	53.78	53.64	53.57	
17	53.52	54.22	54.52	54.37	54.70	54.32	54.22	54.42	54.05	53.77	53.63	53.56	
18	53.72	54.05	54.46	54.28	54.56	54.44	54.20	55.47	54.02	53.76	53.63	53.59	
19	53.65	53.93	54.22	54.49	54.47	54.36	54.19	58.18	54.00	53.76	53.63	53.65	
20	53.60	54.42	54.15	54.31	54.39	54.25	54.14	57.41	53.98	53.75	53.62	53.58	
21	53.54	55.91	54.23	54.24	54.36	54.37	54.12	55.66	53.97	53.75	53.62	53.58	
22	53.52	55.06	54.73	54.77	54.30	54.26	54.09	55.23	53.96	53.74	53.62	53.57	
23	53.51	54.70	54.37	54.50	54.25	54.15	54.07	54.94	53.95	53.74	53.61	53.56	
24	53.82	54.46	54.39	54.42	54.20	54.13	54.55	54.66	53.94	53.73	53.61	53.54	
25	54.18	54.23	54.59	54.57	54.20	56.35	54.15	54.39	53.94	53.73	53.61	53.57	
26	53.84	54.11	54.57	54.40	54.16	56.80	54.15	54.28	53.94	53.72	53.60	53.60	
27	53.66	54.00	54.52	54.34	54.17	55.71	54.15	54.27	53.93	53.72	53.60	53.57	
28	53.64	53.93	54.41	54.33	54.21	54.84	54.13	54.32	53.93	53.71	53.60	53.54	
29	53.61	53.87	54.27	54.24	54.19	54.36	54.21	54.26	53.93	53.71	53.59	53.53	
30	53.61	53.81	54.14	54.14	54.26	54.30	54.26	54.17	53.92	53.70		53.53	
31		53.76		54.23	54.29		54.22		53.91	53.70		53.60	
MEAN	53.58	54.12	54.23	54.96	54.91	54.46	54.82	54.67	54.06	53.78	53.64	53.58	
MAX	54.18	55.91	54.92	57.61	58.50	56.80	58.38	58.18	54.23	53.90	53.70	53.65	58.50
MIN	53.48	53.68	53.71	54.01	54.16	53.98	54.07	53.99	53.91	53.70	53.59	53.53	53.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 59.70 M (MSL), AT 14.00 HOURS, ON NOV 19, 1979
ZERO GAGE AT BOTTOM ELEVATION 53.07 M (MSL), RIVER BED 51.43 M (MSL)
LEFT BANK ELEVATION 64.08 M (MSL)
RIGHT BANK ELEVATION 60.01 M (MSL), DRAINAGE AREA 661 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.90	12.40	6.00	13.30	25.50	25.50	30.00	21.50	18.00	10.00	5.00	2.90	
2	1.90	16.40	5.20	18.40	30.00	25.00	271.50	21.00	17.60	9.70	4.80	2.90	
3	1.90	9.70	5.80	71.40	36.20	28.00	540.60	19.20	18.40	9.40	4.80	2.90	
4	1.90	13.60	7.00	409.70	47.70	29.50	521.90	18.00	20.00	9.10	4.60	2.90	
5	1.90	7.60	11.50	283.80	75.40	33.00	295.00	16.40	20.50	8.60	4.60	2.90	
6	1.80	25.00	15.40	228.40	94.00	26.50	118.00	18.80	21.50	8.50	4.40	2.90	
7	1.80	8.50	14.80	187.80	85.90	29.50	88.60	19.20	20.00	8.20	4.40	2.90	
8	2.20	6.20	15.10	330.20	124.00	19.60	69.80	17.20	19.20	7.90	4.20	2.90	
9	1.90	4.60	17.60	173.50	200.80	16.00	60.30	13.90	19.60	7.60	4.20	2.90	
10	1.90	11.20	14.50	159.80	561.00	15.10	49.10	12.70	18.80	7.30	4.20	2.80	
11	1.80	12.70	25.50	96.70	283.80	14.20	41.00	19.60	17.20	7.30	4.00	2.80	
12	1.80	7.30	16.40	73.00	185.20	14.20	35.60	16.00	16.80	7.00	4.00	2.80	
13	1.80	6.80	18.00	56.10	119.00	14.20	31.50	45.20	20.00	7.00	4.00	2.80	
14	1.80	5.00	13.30	44.00	84.20	13.00	28.50	58.20	16.40	6.80	3.80	2.80	
15	2.10	36.80	62.60	35.00	65.00	12.40	26.00	55.40	17.20	6.60	3.80	2.80	
16	2.20	17.60	36.80	33.00	53.30	14.20	23.50	38.60	15.40	6.60	3.80	2.70	
17	2.20	21.00	36.20	28.50	47.00	26.00	21.00	31.00	14.50	6.40	3.60	2.60	
18	5.40	14.50	33.00	24.00	38.60	32.00	20.00	110.00	13.60	6.20	3.60	2.90	
19	4.00	10.90	21.00	34.50	33.50	28.00	19.60	506.60	13.00	6.20	3.60	4.00	
20	3.00	31.00	18.00	25.50	29.50	22.50	17.60	376.60	12.40	6.00	3.40	2.80	
21	2.40	156.20	21.50	22.00	28.00	28.50	16.80	129.00	12.10	6.00	3.40	2.80	
22	2.20	73.80	49.10	51.90	25.00	23.00	15.70	87.70	11.80	5.80	3.40	2.70	
23	2.10	47.00	28.50	35.00	22.50	18.00	15.10	64.20	11.50	5.80	3.20	2.60	
24	7.60	33.00	29.50	31.00	20.00	17.20	38.00	44.60	11.20	5.60	3.20	2.40	
25	19.20	21.50	40.40	39.20	20.00	213.00	18.00	29.50	11.20	5.60	3.20	2.70	
26	8.20	16.40	39.20	30.00	18.40	279.00	18.00	24.00	11.20	5.40	3.00	3.00	
27	4.20	13.00	36.20	27.00	18.80	134.10	18.00	23.50	10.90	5.40	3.00	2.70	
28	3.80	10.90	30.50	26.50	20.50	56.80	17.20	26.00	10.90	5.20	3.00	2.40	
29	3.20	9.10	23.50	22.00	19.60	28.00	20.50	23.00	10.90	5.20	2.90	2.30	
30	3.20	7.30	17.60	17.60	23.00	25.00	23.00	18.80	10.60	5.00		2.30	
31		6.20		21.50	24.50		21.00		10.30	5.00		3.00	
TOTAL	101.30	673.20	709.70	2650.30	2459.90	1261.00	2530.40	1905.40	472.70	212.60	111.10	86.80	13174.39 CMSDAY
MEAN	3.38	21.72	23.66	85.49	79.35	42.03	81.63	63.51	15.25	6.86	3.83	2.80	36.00 CMS
MAX	19.20	156.20	62.60	409.70	561.00	279.00	540.60	506.60	21.50	10.00	5.00	4.00	561.00 CMS
MIN	1.80	4.60	5.20	13.30	18.40	12.40	15.10	12.70	10.30	5.00	2.90	2.30	1.80 CMS
RUNOFF	8.752	58.164	61.318	228.986	212.535	108.950	218.626	164.626	40.841	18.369	9.599	7.500	1138.267 MCM

MOMENTARY PEAK 765.00 CMS, AT 59.70 M (MSL), AT 14.00 HOURS, ON NOV 19, 1979

RUNOFF YIELD 54.46 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1157.34 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

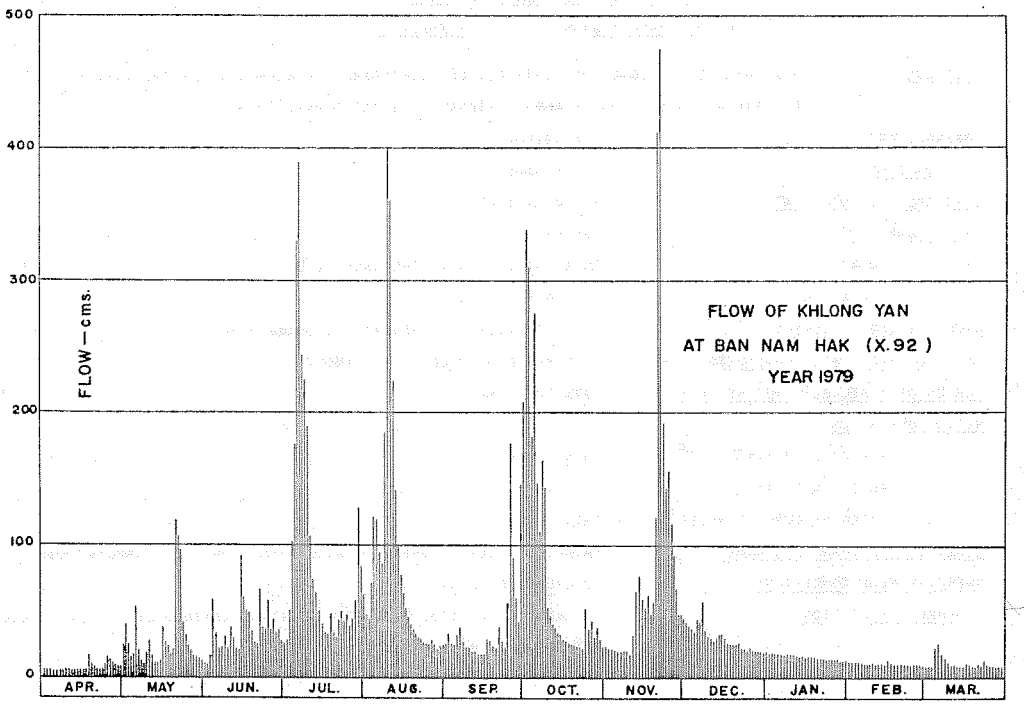
KHLONG YAN AT BAN NAM HAK, SURAT THANI (X.92)

LOCATION	LAT. 9°-06'-18" N., LONG. 98°-58'-52" E., ON RIGHT BANK AT BAN NAM HAK, AMPHOE KHIRI RATTHANIKHOM, SURAT THANI.
DRAINAGE AREA	1,001 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+6.958 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1973 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1974 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1974 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 193 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.67	1.24	0.90	1.25	1.92	1.22	3.76	1.20	1.60	1.09	0.91	0.80	
2	0.66	1.54	0.88	1.32	1.69	1.42	5.00	1.18	1.54	1.08	0.91	0.80	
3	0.66	1.22	1.02	1.77	1.62	1.28	4.74	1.17	1.50	1.08	0.90	0.80	
4	0.65	1.01	1.87	2.57	2.13	1.23	3.50	1.14	1.49	1.08	0.90	0.80	
5	0.65	1.04	1.39	3.44	2.81	1.37	4.40	1.12	1.44	1.08	0.89	1.16	
6	0.65	1.82	1.19	4.92	2.78	1.44	3.10	1.12	1.62	1.07	0.89	1.26	
7	0.65	1.10	1.18	5.43	2.43	1.50	2.68	1.12	1.58	1.06	0.88	1.04	
8	0.68	0.94	1.20	4.10	2.33	1.29	3.30	1.12	1.85	1.06	0.88	0.97	
9	0.69	0.87	1.36	3.94	3.53	1.21	3.08	1.12	1.44	1.04	0.87	0.93	
10	0.67	1.07	1.18	3.58	5.83	1.17	1.80	1.02	1.36	1.04	0.87	0.81	
11	0.66	1.29	1.51	2.63	5.18	1.13	1.68	1.40	1.34	1.04	0.87	0.81	
12	0.65	0.99	1.35	2.15	3.90	1.10	1.58	2.00	1.30	1.03	0.87	0.81	
13	0.65	0.91	1.17	1.97	3.03	1.10	1.50	2.20	1.36	1.02	0.86	0.80	
14	0.65	0.89	1.15	1.75	2.50	1.08	1.44	2.20	1.40	1.02	0.86	0.80	
15	0.65	0.92	2.39	1.58	2.19	1.07	1.40	1.90	1.40	1.01	0.86	0.80	
16	0.68	1.51	1.90	1.54	1.98	1.07	1.34	1.80	1.34	1.01	0.95	0.80	
17	0.68	1.29	1.76	1.43	1.77	1.37	1.32	1.96	1.28	1.00	0.85	0.86	
18	1.05	1.22	1.75	1.38	1.64	1.30	1.28	1.72	1.24	1.00	0.85	0.81	
19	0.88	1.06	1.44	1.73	1.53	1.45	1.26	1.88	1.24	0.99	0.84	0.80	
20	0.80	1.15	1.27	1.44	1.45	1.41	1.24	2.80	1.24	0.98	0.84	0.79	
21	0.75	2.78	1.28	1.36	1.41	1.43	1.22	5.60	1.24	0.98	0.84	0.83	
22	0.71	2.63	2.01	1.64	1.37	1.50	1.20	6.10	1.18	0.97	0.84	0.79	
23	0.70	2.47	1.51	1.76	1.33	1.30	1.18	3.60	1.14	0.97	0.83	0.93	
24	0.86	1.58	1.47	1.62	1.28	1.20	1.80	3.08	1.14	0.96	0.83	0.82	
25	1.00	1.37	1.88	1.68	1.26	1.85	1.50	3.20	1.12	0.95	0.83	0.80	
26	0.98	1.22	1.49	1.57	1.25	3.43	1.28	2.72	1.16	0.94	0.82	0.80	
27	0.90	1.13	1.63	1.66	1.30	2.38	1.60	2.40	1.12	0.94	0.81	0.80	
28	0.82	1.03	1.44	1.90	1.24	1.92	1.40	2.02	1.12	0.94	0.81	0.80	
29	0.78	1.00	1.46	2.89	1.18	1.60	1.52	1.70	1.12	0.93	0.80	0.80	
30	0.76	0.97	1.30	2.90	1.26	3.08	1.32	1.68	1.08	0.92		0.79	
31		0.92		2.32	1.25		1.20		1.09	0.92		0.93	
MEAN	0.74	1.30	1.44	2.30	2.14	1.50	2.08	2.11	1.32	1.01	0.86	0.86	
MAX	1.05	2.78	2.39	5.43	5.83	3.43	5.00	6.10	1.85	1.09	0.95	1.26	6.10
MIN	0.65	0.87	0.88	1.25	1.18	1.07	1.18	1.02	1.08	0.92	0.80	0.79	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.72 M (A.D), AT 21.00 HOURS, ON AUG 10, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.08 M (A.D)
LEFT BANK ELEVATION 11.34 M (A.D)
RIGHT BANK ELEVATION 12.55 M (A.D), DRAINAGE AREA 1001 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	5.40	24.60	11.00	25.00	59.70	23.80	207.00	23.00	42.00	18.60	11.40	8.00	
2	5.20	39.00	10.40	28.00	46.50	33.00	338.00	22.20	39.00	18.20	11.40	8.00	
3	5.20	23.80	15.80	50.85	43.00	26.20	309.40	21.80	37.00	18.20	11.00	8.00	
4	5.00	15.40	56.70	101.90	72.45	24.20	181.00	20.60	36.50	18.20	11.00	8.00	
5	5.00	16.60	31.50	175.60	120.80	30.50	272.00	19.80	34.00	18.20	10.70	21.40	
6	5.00	53.70	22.60	329.20	118.40	34.00	145.00	19.80	43.00	17.80	10.70	25.40	
7	5.00	19.00	22.20	388.25	92.10	37.00	110.40	19.80	41.00	17.40	10.40	16.60	
8	5.60	12.60	23.00	241.00	85.45	26.60	163.00	19.80	55.50	17.40	10.40	13.80	
9	5.80	10.10	30.00	225.00	184.00	23.40	143.20	19.80	34.00	16.60	10.10	12.20	
10	5.40	17.80	22.20	189.00	438.25	21.80	52.50	15.80	30.00	16.60	10.10	8.30	
11	5.20	26.60	37.50	106.40	358.20	20.20	46.00	32.00	29.00	16.60	10.10	8.30	
12	5.00	14.60	29.50	73.75	221.00	19.00	41.00	64.50	27.00	16.20	10.10	8.30	
13	5.00	11.40	21.80	62.70	138.70	19.00	37.00	77.00	30.00	15.80	9.80	8.00	
14	5.00	10.70	21.00	49.75	97.00	18.20	34.00	77.00	32.00	15.80	9.80	8.00	
15	5.00	11.80	89.35	41.00	76.35	17.80	32.00	58.50	32.00	15.40	9.80	8.00	
16	5.60	37.50	58.50	39.00	63.30	17.80	29.00	52.50	29.00	15.40	13.00	8.00	
17	5.60	26.60	50.30	33.50	50.85	30.50	28.00	62.10	26.20	15.00	9.50	9.80	
18	17.00	23.80	49.75	31.00	44.00	27.00	26.20	48.10	24.60	15.00	9.50	8.30	
19	10.40	17.40	34.00	48.65	38.50	34.50	25.40	57.30	24.60	14.60	9.20	8.00	
20	8.00	21.00	25.80	34.00	34.50	32.50	24.60	120.00	24.60	14.20	9.20	7.80	
21	7.00	118.40	26.20	30.00	32.50	33.50	23.80	409.50	24.60	14.20	9.20	8.90	
22	6.20	106.40	65.10	44.00	30.50	37.00	23.00	473.00	22.20	13.80	9.20	7.80	
23	6.00	94.90	37.50	50.30	28.50	27.00	22.20	191.00	20.60	13.80	8.90	12.20	
24	9.80	41.00	35.50	43.00	26.20	23.00	52.50	143.20	20.60	13.40	8.90	8.60	
25	15.00	30.50	57.30	46.00	25.40	55.50	37.00	154.00	19.80	13.00	8.90	8.00	
26	14.20	23.80	36.50	40.50	25.00	174.70	26.20	113.60	21.40	12.60	8.60	8.00	
27	11.00	20.20	43.50	45.00	27.00	88.70	42.00	90.00	19.80	12.60	8.30	8.00	
28	8.60	16.20	34.00	58.50	24.60	59.70	32.00	65.70	19.80	12.60	8.30	8.00	
29	7.60	15.00	35.00	127.20	22.20	42.00	38.00	47.00	19.80	12.20	8.00	8.00	
30	7.20	13.80	27.00	128.00	25.40	143.20	28.00	46.00	18.20	11.80		7.80	
31		11.80		84.80	25.00		23.00		18.60	11.80		12.20	
TOTAL	217.00	926.00	1060.50	2970.85	2675.35	1201.30	2592.40	2584.40	896.40	473.00	285.50	309.70	16192.38 CMSDAY
MEAN	7.23	29.87	35.35	95.83	86.30	40.04	83.63	86.15	28.92	15.26	9.84	9.99	44.24 CMS
MAX	17.00	118.40	89.35	388.25	438.25	174.70	338.00	473.00	55.50	18.60	13.00	25.40	473.00 CMS
MIN	5.00	10.10	10.40	25.00	22.20	17.80	22.20	15.80	18.20	11.80	8.00	7.80	5.00 CMS
RUNOFF	18.749	80.006	91.627	256.681	231.150	103.792	223.983	223.292	77.449	40.867	24.667	26.758	1399.022 MCM

MOMENTARY PEAK 553.60 CMS, AT 6.72 M (A.D), AT 21.00 HOURS, ON AUG 10, 1979

RUNOFF YIELD 44.20 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 553.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

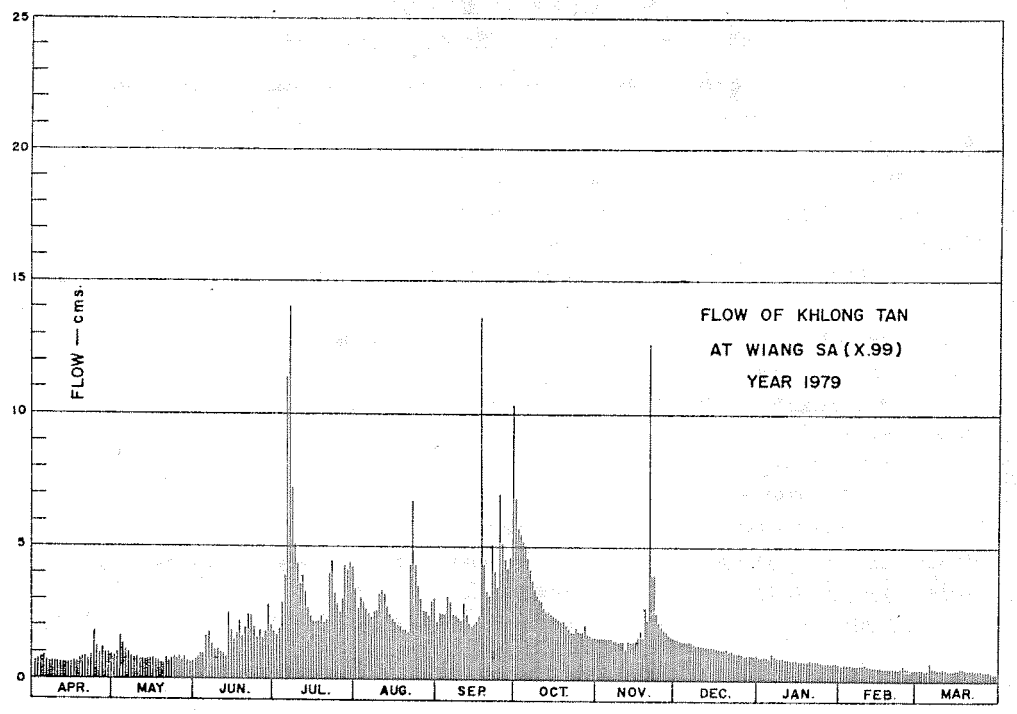
KHLONG TAN AT WIANG SA, SURAT THANI (X.99)

LOCATION	LAT. 8°38'07" N., LONG. 99°22'59" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE NEAR BAN WIANG SA SCHOOL, AMPHOE WIANG SA, SURAT THANI.
DRAINAGE AREA	105 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON RIGHT BANK NEAR THE GAGE SITE.
ELEVATION	+6.154 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1975 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1975 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1975 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 216 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.67	0.70	0.68	0.86	1.09	0.97	1.48	0.84	0.82	0.71	0.65	0.60	
2	0.66	0.73	0.70	0.84	1.02	0.98	1.35	0.84	0.81	0.71	0.65	0.59	
3	0.68	0.81	0.73	0.88	1.05	0.98	1.32	0.83	0.80	0.71	0.65	0.59	
4	0.69	0.82	0.72	1.03	1.04	0.97	1.29	0.83	0.81	0.70	0.64	0.59	
5	0.66	0.76	0.83	1.14	1.02	1.05	1.27	0.83	0.80	0.70	0.64	0.65	
6	0.66	0.74	0.85	1.87	0.98	1.03	1.19	0.82	0.80	0.73	0.64	0.62	
7	0.66	0.73	0.81	2.07	0.95	0.98	1.14	0.81	0.79	0.71	0.64	0.62	
8	0.66	0.70	0.76	1.51	0.99	0.96	1.09	0.80	0.78	0.71	0.63	0.61	
9	0.66	0.70	0.74	1.28	1.00	0.94	1.06	0.80	0.78	0.70	0.63	0.60	
10	0.65	0.69	0.75	1.19	1.07	0.93	1.03	0.80	0.78	0.70	0.63	0.60	
11	0.65	0.69	0.73	1.11	1.09	1.03	1.03	0.80	0.78	0.70	0.63	0.60	
12	0.65	0.69	0.72	1.14	1.06	0.98	1.00	0.76	0.77	0.69	0.62	0.59	
13	0.65	0.68	0.70	1.07	0.99	0.92	0.99	0.80	0.77	0.69	0.62	0.60	
14	0.65	0.68	0.98	1.00	0.96	0.90	0.97	0.80	0.77	0.69	0.62	0.59	
15	0.65	0.68	0.86	0.96	0.94	0.91	0.96	0.80	0.77	0.68	0.62	0.58	
16	0.66	0.69	0.81	0.93	0.92	0.92	0.95	0.81	0.76	0.68	0.62	0.58	
17	0.65	0.68	0.85	0.92	0.90	0.96	0.94	0.87	0.76	0.68	0.62	0.61	
18	0.69	0.66	0.92	0.92	0.88	2.03	0.93	0.82	0.76	0.68	0.61	0.59	
19	0.70	0.65	0.82	0.96	0.87	1.19	0.93	1.00	0.75	0.68	0.61	0.59	
20	0.67	0.64	0.88	0.92	0.87	1.08	0.90	0.94	0.75	0.68	0.61	0.59	
21	0.66	0.69	0.97	0.94	0.87	1.06	0.87	1.97	0.74	0.68	0.61	0.60	
22	0.69	0.67	0.97	1.15	1.19	1.28	0.86	1.14	0.74	0.68	0.61	0.59	
23	0.70	0.69	0.92	1.21	1.46	1.24	0.86	0.99	0.73	0.68	0.61	0.59	
24	0.85	0.69	0.85	1.06	1.19	1.10	0.88	0.94	0.73	0.67	0.61	0.59	
25	0.74	0.68	0.82	1.02	1.10	1.50	0.86	0.89	0.73	0.67	0.61	0.58	
26	0.72	0.69	0.86	0.98	1.04	1.29	0.86	0.87	0.72	0.67	0.60	0.58	
27	0.76	0.67	0.82	1.05	0.99	1.22	0.90	0.86	0.72	0.66	0.60	0.58	
28	0.73	0.66	0.86	1.19	0.99	1.18	0.85	0.84	0.72	0.66	0.60	0.57	
29	0.73	0.67	1.02	1.17	0.96	1.22	0.84	0.83	0.72	0.66	0.60	0.57	
30	0.70	0.67	0.90	1.20	1.03	1.79	0.83	0.82	0.72	0.66		0.57	
31		0.69		1.19	1.04		0.83		0.72	0.65		0.58	
MEAN	0.68	0.70	0.83	1.12	1.02	1.12	1.01	0.89	0.76	0.69	0.62	0.59	
MAX	0.85	0.82	1.02	2.07	1.46	2.03	1.48	1.97	0.82	0.73	0.65	0.65	2.07
MIN	0.65	0.64	0.68	0.84	0.87	0.90	0.83	0.76	0.72	0.65	0.60	0.57	0.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.90 M (A.D.), AT 13.00 HOURS, ON NOV 21, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.13 M (A.D.)
LEFT BANK ELEVATION 5.00 M (A.D.)
RIGHT BANK ELEVATION 5.49 M (A.D.), DRAINAGE AREA 105 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.68	0.80	0.72	1.76	3.39	2.42	6.82	1.64	1.52	0.86	0.60	0.40	
2	0.64	0.98	0.80	1.64	2.78	2.48	5.68	1.64	1.46	0.86	0.60	0.36	
3	0.72	1.46	0.98	1.88	3.04	2.48	5.42	1.58	1.40	0.86	0.60	0.36	
4	0.76	1.52	0.92	2.86	2.95	2.42	5.15	1.58	1.46	0.80	0.56	0.36	
5	0.64	1.16	1.58	3.83	2.78	3.04	4.98	1.58	1.40	0.80	0.56	0.60	
6	0.64	1.04	1.70	11.31	2.48	2.86	4.27	1.52	1.40	0.98	0.56	0.48	
7	0.64	0.98	1.46	14.08	2.30	2.48	3.83	1.46	1.34	0.86	0.56	0.48	
8	0.64	0.80	1.16	7.11	2.54	2.36	3.39	1.40	1.28	0.86	0.52	0.44	
9	0.64	0.80	1.04	5.06	2.60	2.24	3.13	1.40	1.28	0.80	0.52	0.40	
10	0.60	0.76	1.10	4.27	3.22	2.18	2.86	1.40	1.28	0.80	0.52	0.40	
11	0.60	0.76	0.98	3.57	3.39	2.86	2.86	1.40	1.28	0.80	0.52	0.40	
12	0.60	0.76	0.92	3.83	3.13	2.48	2.60	1.16	1.22	0.76	0.48	0.36	
13	0.60	0.72	0.80	3.22	2.54	2.12	2.54	1.40	1.22	0.76	0.48	0.40	
14	0.60	0.72	2.48	2.60	2.36	2.00	2.42	1.40	1.22	0.76	0.48	0.36	
15	0.60	0.72	1.76	2.36	2.24	2.06	2.36	1.40	1.22	0.72	0.48	0.32	
16	0.64	0.76	1.46	2.18	2.12	2.12	2.30	1.46	1.16	0.72	0.48	0.32	
17	0.60	0.72	1.70	2.12	2.00	2.36	2.24	1.82	1.16	0.72	0.48	0.44	
18	0.76	0.64	2.12	2.12	1.88	13.52	2.18	1.52	1.16	0.72	0.44	0.36	
19	0.80	0.60	1.52	2.36	1.82	4.27	2.18	2.60	1.10	0.72	0.44	0.36	
20	0.68	0.56	1.88	2.12	1.82	3.30	2.00	2.24	1.10	0.72	0.44	0.36	
21	0.64	0.76	2.42	2.24	1.82	3.13	1.82	12.68	1.04	0.72	0.44	0.40	
22	0.76	0.68	2.42	3.92	4.27	5.06	1.76	3.83	1.04	0.72	0.44	0.36	
23	0.80	0.76	2.12	4.45	6.65	4.71	1.76	2.54	0.98	0.72	0.44	0.36	
24	1.70	0.76	1.70	3.13	4.27	3.48	1.88	2.24	0.98	0.68	0.44	0.36	
25	1.04	0.72	1.52	2.78	3.48	7.00	1.76	1.94	0.98	0.68	0.44	0.32	
26	0.92	0.76	1.76	2.48	2.95	5.15	1.76	1.82	0.92	0.68	0.40	0.32	
27	1.16	0.68	1.52	3.04	2.54	4.54	2.00	1.76	0.92	0.64	0.40	0.32	
28	0.98	0.64	1.76	4.27	2.54	4.18	1.70	1.64	0.92	0.64	0.40	0.28	
29	0.98	0.68	2.78	4.10	2.36	4.54	1.64	1.58	0.92	0.64	0.40	0.28	
30	0.80	0.68	2.00	4.36	2.86	10.28	1.58	1.52	0.92	0.64		0.28	
31		0.76		4.27	2.95		1.58		0.92	0.60		0.32	
TOTAL	22.86	25.14	47.08	119.32	88.07	114.12	88.45	63.15	36.20	23.24	14.12	11.56	653.31 CMSDAY
MEAN	0.76	0.81	1.57	3.85	2.84	3.80	2.85	2.10	1.17	0.75	0.49	0.37	1.78 CMS
MAX	1.70	1.52	2.78	14.08	6.65	13.52	6.82	12.68	1.52	0.98	0.60	0.60	14.08 CMS
MIN	0.60	0.56	0.72	1.64	1.82	2.00	1.58	1.16	0.92	0.60	0.40	0.28	0.28 CMS
RUNOFF	1.975	2.172	4.068	10.309	7.609	9.860	7.642	5.456	3.128	2.008	1.220	0.999	56.446 MCM

MOMENTARY PEAK 27.70 CMS, AT 2.90 M (A.D), AT 13.00 HOURS, ON NOV 21, 1979

RUNOFF YIELD 17.00 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 263.81 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

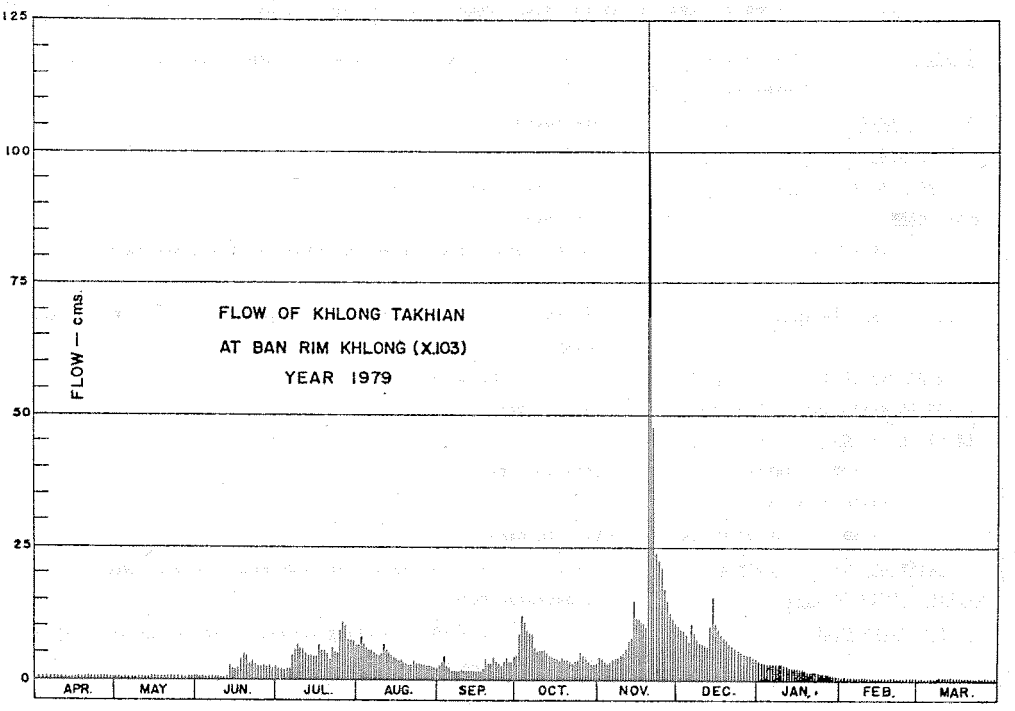
KHLONG TAKHIAN AT BAN RIM KHLONG, SURAT THANI (X.103)

LOCATION	LAT. 9°25'31" N., LONG. 99°09'44" E., ON RIGHT BANK AT BAN RIM KHLONG, AMPHOE CHAIYA, SURAT THANI.
DRAINAGE AREA	180 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK ABOUT 15 METERS SOUTH FROM THE OBSERVER'S HOUSE.
ELEVATION	+6.915 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1978 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1978 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 175 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.16	0.20	0.68	1.19	0.68	1.04	0.94	1.50	0.88	0.40	0.19	
2	0.16	0.16	0.20	0.66	1.16	0.79	1.42	0.88	1.44	0.86	0.38	0.18	
3	0.16	0.20	0.24	0.64	1.11	0.91	1.68	0.86	1.40	0.84	0.38	0.18	
4	0.15	0.20	0.30	0.64	1.07	0.84	1.54	0.82	1.36	0.82	0.36	0.17	
5	0.15	0.23	0.30	0.65	1.06	0.75	1.38	0.84	1.32	0.80	0.35	0.29	
6	0.19	0.21	0.30	0.72	1.07	0.72	1.36	0.86	1.44	0.79	0.34	0.31	
7	0.16	0.19	0.31	1.00	1.04	0.69	1.26	0.92	1.52	0.78	0.34	0.30	
8	0.16	0.18	0.35	1.12	1.00	0.66	1.19	0.94	1.37	0.77	0.32	0.28	
9	0.15	0.18	0.37	1.22	0.97	0.65	1.14	0.97	1.28	0.78	0.32	0.24	
10	0.15	0.18	0.44	1.14	1.03	0.63	1.09	1.01	1.23	0.76	0.31	0.22	
11	0.15	0.18	0.38	1.06	1.16	0.63	1.08	1.10	1.19	0.72	0.30	0.21	
12	0.19	0.22	0.42	1.02	1.09	0.61	1.10	1.26	1.16	0.70	0.30	0.20	
13	0.16	0.33	0.72	1.01	1.03	0.59	1.06	1.30	1.47	0.67	0.29	0.19	
14	0.16	0.26	0.62	1.02	0.95	0.59	1.02	1.90	1.56	0.64	0.29	0.18	
15	0.16	0.29	0.56	0.96	0.92	0.58	0.98	1.73	1.52	0.63	0.28	0.18	
16	0.17	0.28	0.66	0.96	0.88	0.56	0.96	1.68	1.46	0.62	0.28	0.17	
17	0.16	0.24	0.90	1.24	0.86	0.55	0.92	1.58	1.35	0.60	0.27	0.16	
18	0.15	0.23	0.94	1.10	0.84	0.58	0.98	1.51	1.29	0.58	0.26	0.16	
19	0.20	0.22	1.00	1.08	0.82	0.92	0.92	3.98	1.24	0.56	0.25	0.16	
20	0.22	0.23	0.84	1.05	0.80	0.83	0.89	5.34	1.20	0.55	0.25	0.15	
21	0.17	0.23	0.80	0.90	0.78	0.79	0.87	3.50	1.16	0.54	0.24	0.16	
22	0.15	0.24	0.84	1.14	0.84	0.90	0.84	2.76	1.12	0.52	0.24	0.12	
23	0.15	0.25	0.82	1.10	0.80	0.84	0.82	2.72	1.10	0.51	0.23	0.10	
24	0.15	0.25	0.78	1.03	0.78	0.80	0.86	2.65	1.06	0.50	0.22	0.13	
25	0.15	0.24	0.78	1.48	0.77	0.74	0.92	2.28	1.04	0.48	0.22	0.13	
26	0.16	0.23	0.79	1.60	0.76	0.84	1.04	2.02	1.02	0.46	0.21	0.12	
27	0.23	0.22	0.78	1.53	0.76	0.90	0.96	1.86	1.00	0.45	0.21	0.12	
28	0.20	0.22	0.75	1.30	0.74	0.84	0.90	1.74	0.98	0.44	0.20	0.11	
29	0.18	0.21	0.72	1.29	0.72	0.85	0.86	1.63	0.95	0.43	0.20	0.11	
30	0.17	0.21	0.69	1.29	0.68	0.94	0.83	1.56	0.93	0.42		0.11	
31		0.22		1.25	0.67		0.88		0.92	0.40		0.11	
MEAN	0.17	0.22	0.59	1.06	0.91	0.74	1.06	1.77	1.24	0.63	0.28	0.18	
MAX	0.23	0.33	1.00	1.60	1.19	0.94	1.68	5.34	1.56	0.88	0.40	0.31	5.34
MIN	0.15	0.18	0.20	0.64	0.67	0.55	0.82	0.82	0.92	0.40	0.20	0.10	0.10

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.60 M (A.D.), AT 3.00 HOURS, ON NOV 20, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.04 M (A.D.)
LEFT BANK ELEVATION 8.70 M (A.D.)
RIGHT BANK ELEVATION 8.60 M (A.D.), DRAINAGE AREA 180 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	0.16	0.27	2.12	6.36	2.12	4.88	4.01	9.82	3.49	0.82	0.25	
2	0.16	0.16	0.27	2.01	6.04	2.74	8.84	3.49	9.09	3.32	0.77	0.22	
3	0.16	0.27	0.38	1.89	5.51	3.75	12.03	3.32	8.60	3.15	0.77	0.22	
4	0.14	0.27	0.55	1.89	5.14	3.15	10.31	2.97	8.17	2.97	0.71	0.19	
5	0.14	0.36	0.55	1.95	5.05	2.52	8.39	3.15	7.75	2.80	0.69	0.52	
6	0.25	0.30	0.55	2.35	5.14	2.35	8.17	3.32	9.09	2.74	0.66	0.58	
7	0.16	0.25	0.58	4.53	4.88	2.18	7.11	3.84	10.07	2.69	0.66	0.55	
8	0.16	0.22	0.69	5.61	4.53	2.01	6.36	4.01	8.28	2.63	0.60	0.49	
9	0.14	0.22	0.74	6.68	4.27	1.95	5.83	4.27	7.32	2.69	0.60	0.38	
10	0.14	0.22	0.93	5.83	4.79	1.84	5.31	4.62	6.79	2.57	0.58	0.33	
11	0.14	0.22	0.77	5.05	6.04	1.84	5.23	5.40	6.36	2.35	0.55	0.30	
12	0.25	0.33	0.88	4.71	5.31	1.72	5.40	7.11	6.04	2.23	0.55	0.27	
13	0.16	0.63	2.35	4.62	4.79	1.61	5.05	7.53	9.46	2.06	0.52	0.25	
14	0.16	0.44	1.78	4.71	4.10	1.61	4.71	14.90	10.56	1.89	0.52	0.22	
15	0.16	0.52	1.44	4.19	3.84	1.55	4.36	12.64	10.07	1.84	0.49	0.22	
16	0.19	0.49	2.01	4.19	3.49	1.44	4.19	12.03	9.33	1.78	0.49	0.19	
17	0.16	0.38	3.67	6.89	3.32	1.38	3.84	10.80	8.07	1.67	0.47	0.16	
18	0.14	0.36	4.01	5.40	3.15	1.55	4.36	9.95	7.43	1.55	0.44	0.16	
19	0.27	0.33	4.53	5.23	2.97	3.84	3.84	63.46	6.89	1.44	0.41	0.16	
20	0.33	0.36	3.15	4.97	2.80	3.06	3.58	140.68	6.47	1.38	0.41	0.14	
21	0.19	0.36	2.80	3.67	2.69	2.74	3.41	47.50	6.04	1.33	0.38	0.16	
22	0.14	0.38	3.15	5.83	3.15	3.67	3.15	29.30	5.61	1.21	0.38	0.05	
23	0.14	0.41	2.97	5.40	2.80	3.15	2.97	28.50	5.40	1.16	0.36	0.00	
24	0.14	0.41	2.69	4.79	2.69	2.80	3.32	27.17	5.05	1.10	0.33	0.08	
25	0.14	0.38	2.69	9.58	2.63	2.46	3.84	20.69	4.88	1.04	0.33	0.08	
26	0.16	0.36	2.74	11.05	2.57	3.15	4.88	16.71	4.71	0.99	0.30	0.05	
27	0.36	0.33	2.69	10.19	2.57	3.67	4.19	14.34	4.53	0.96	0.30	0.05	
28	0.27	0.33	2.52	7.53	2.46	3.15	3.67	12.76	4.36	0.93	0.27	0.03	
29	0.22	0.30	2.35	7.43	2.35	3.23	3.32	11.42	4.10	0.91	0.27	0.03	
30	0.19	0.30	2.18	7.43	2.12	4.01	3.06	10.56	3.93	0.88		0.03	
31		0.33		7.00	2.06		3.49		3.84	0.82		0.03	
TOTAL	5.52	10.38	56.88	164.72	119.61	76.24	161.09	540.45	218.11	58.57	14.63	6.39	1432.59 CMSDAY
MEAN	0.18	0.33	1.90	5.31	3.86	2.54	5.20	18.01	7.04	1.89	0.50	0.21	3.91 CMS
MAX	0.36	0.63	4.53	11.05	6.36	4.01	12.03	140.68	10.56	3.49	0.82	0.58	140.68 CMS
MIN	0.14	0.16	0.27	1.89	2.06	1.38	2.97	2.97	3.84	0.82	0.27	0.00	0.00 CMS
RUNOFF	0.477	0.897	4.914	14.232	10.334	6.587	13.918	46.695	18.845	5.060	1.264	0.552	123.776 MCM

MOMENTARY PEAK 160.00 CMS, AT 5.60 M (A.D), AT 3.00 HOURS, ON NOV 20, 1979
RUNOFF YIELD 21.75 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 888.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG THA KRACHAI AT BAN SAMO THONG, SURAT THANI (X.104)

LOCATION — LAT. 9°34'47" N., LONG. 99°08'14" E., ON LEFT BANK AT BAN SAMO THONG, AMPHOE THA CHANA, SURAT THANI.

DRAINAGE AREA — 354 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK ABOUT 21 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +8.574 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT —

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

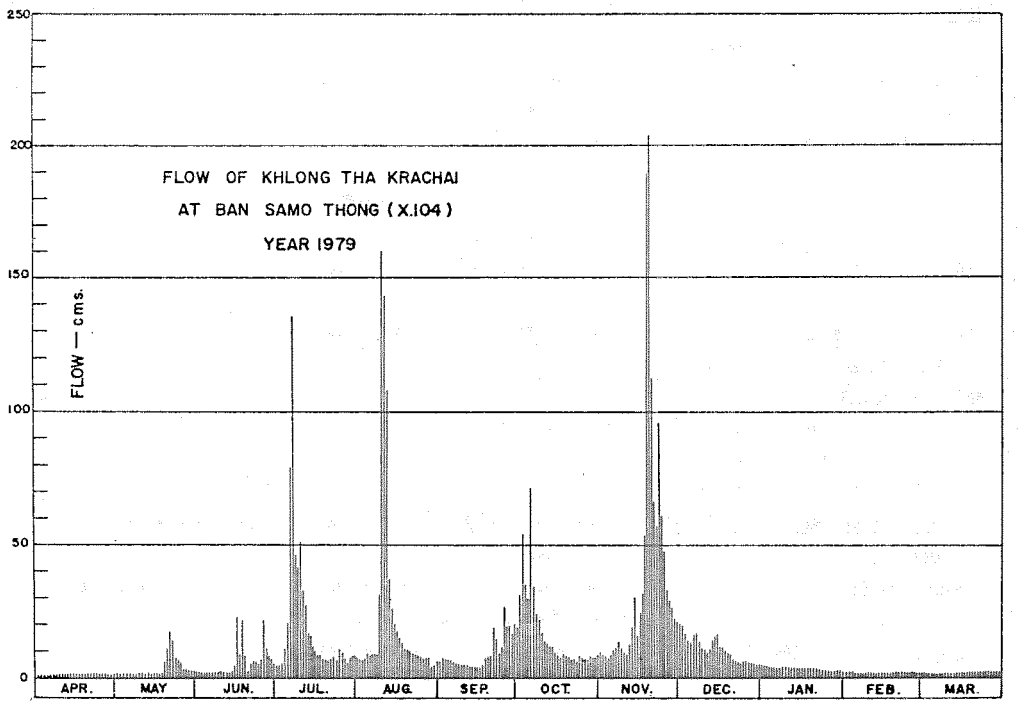
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 40 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.42	0.57	0.85	0.99	0.92	1.44	1.11	1.45	0.85	0.63	0.59	
2	0.40	0.42	0.56	0.83	0.97	1.02	1.77	1.05	1.42	0.85	0.67	0.59	
3	0.40	0.42	0.56	0.90	0.96	1.00	2.25	1.02	1.35	0.84	0.67	0.59	
4	0.40	0.55	0.57	1.20	1.08	0.97	1.84	1.00	1.26	0.83	0.66	0.59	
5	0.40	0.54	0.56	1.48	1.03	0.95	1.73	1.05	1.24	0.82	0.65	0.67	
6	0.40	0.54	0.56	2.69	1.05	0.94	2.56	1.17	1.37	0.81	0.65	0.65	
7	0.40	0.52	0.56	3.48	1.09	0.93	1.83	1.18	1.36	0.80	0.65	0.64	
8	0.40	0.52	0.54	2.09	1.06	0.90	1.59	1.27	1.25	0.81	0.64	0.61	
9	0.40	0.52	0.53	2.00	1.78	0.89	1.52	1.21	1.19	0.84	0.64	0.60	
10	0.40	0.52	0.58	2.19	3.78	0.86	1.37	1.13	1.17	0.83	0.64	0.60	
11	0.40	0.53	0.59	1.81	3.57	0.84	1.26	1.06	1.12	0.81	0.64	0.60	
12	0.42	0.54	0.58	1.67	3.10	0.83	1.22	1.24	1.11	0.80	0.64	0.61	
13	0.43	0.57	0.58	1.37	1.90	0.82	1.18	1.42	1.26	0.79	0.64	0.61	
14	0.43	0.56	0.60	1.32	1.64	0.82	1.15	1.75	1.34	0.78	0.63	0.61	
15	0.43	0.52	0.79	1.17	1.47	0.81	1.08	1.35	1.39	0.78	0.63	0.67	
16	0.43	0.52	1.52	1.08	1.38	0.81	1.02	1.60	1.20	0.77	0.63	0.62	
17	0.43	0.52	1.01	1.03	1.25	0.80	1.00	1.79	1.18	0.77	0.62	0.62	
18	0.43	0.53	1.50	1.00	1.19	0.93	1.07	2.25	1.17	0.76	0.62	0.62	
19	0.43	0.55	1.01	0.99	1.15	1.03	1.03	4.12	1.09	0.76	0.62	0.62	
20	0.43	0.94	0.60	0.96	1.12	1.01	1.00	4.26	1.04	0.75	0.61	0.62	
21	0.43	1.35	0.84	0.93	1.10	1.37	0.96	2.49	0.97	0.73	0.61	0.63	
22	0.43	1.38	0.91	1.04	1.05	1.41	0.94	2.34	0.95	0.72	0.61	0.64	
23	0.43	1.05	0.94	0.93	1.00	1.28	0.90	2.93	0.93	0.71	0.61	0.64	
24	0.42	1.00	0.85	1.01	1.00	1.08	1.02	2.38	0.94	0.71	0.60	0.64	
25	0.42	0.95	0.94	1.16	0.98	1.23	1.00	2.12	0.95	0.70	0.60	0.63	
26	0.42	0.77	1.50	1.08	0.97	1.65	0.99	1.82	0.95	0.70	0.60	0.63	
27	0.42	0.70	1.16	0.97	1.00	1.44	0.98	1.70	0.94	0.70	0.59	0.63	
28	0.42	0.68	1.03	0.90	0.96	1.46	1.04	1.64	0.90	0.70	0.59	0.64	
29	0.42	0.66	0.96	0.99	0.80	1.33	1.01	1.53	0.90	0.70	0.59	0.65	
30	0.42	0.65	0.88	1.04	0.85	1.45	1.03	1.50	0.88	0.69		0.65	
31		0.60		1.01	0.94		1.05		0.87	0.69		0.65	
MEAN	0.42	0.66	0.81	1.33	1.36	1.06	1.28	1.75	1.13	0.77	0.63	0.62	
MAX	0.43	1.38	1.52	3.48	3.78	1.65	2.56	4.26	1.45	0.85	0.67	0.67	4.26
MIN	0.40	0.42	0.53	0.83	0.80	0.80	0.90	1.00	0.87	0.69	0.59	0.59	0.40

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.15 M (A.D), AT 18.00 HOURS, ON NOV 19, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.10 M (A.D)
LEFT BANK ELEVATION 10.80 M (A.D)
RIGHT BANK ELEVATION 10.60 M (A.D), DRAINAGE AREA 354 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.30	0.40	1.29	4.30	6.80	5.40	18.82	9.25	19.15	4.30	1.77	1.43	
2	0.30	0.40	1.22	4.02	6.40	7.40	30.83	8.00	18.16	4.30	2.13	1.43	
3	0.30	0.40	1.22	5.00	6.20	7.00	53.30	7.40	16.00	4.16	2.13	1.43	
4	0.30	1.15	1.29	11.50	8.60	6.40	33.76	7.00	13.30	4.02	2.04	1.43	
5	0.30	1.08	1.22	20.14	7.60	6.00	29.27	8.00	12.70	3.88	1.95	2.13	
6	0.30	1.08	1.22	78.56	8.00	5.80	70.16	10.75	16.60	3.74	1.95	1.95	
7	0.30	0.94	1.22	135.31	8.80	5.60	33.32	11.00	16.30	3.60	1.95	1.86	
8	0.30	0.94	1.08	45.32	8.20	5.00	23.95	13.60	13.00	3.74	1.86	1.59	
9	0.30	0.94	1.01	41.00	31.22	4.86	21.50	11.80	11.25	4.16	1.86	1.50	
10	0.30	0.94	1.36	50.30	159.72	4.44	16.60	9.75	10.75	4.02	1.86	1.50	
11	0.30	1.01	1.43	32.44	142.40	4.16	13.30	8.20	9.50	3.74	1.86	1.50	
12	0.40	1.08	1.36	26.96	107.20	4.02	12.10	12.70	9.25	3.60	1.86	1.59	
13	0.45	1.29	1.36	16.60	36.40	3.88	11.00	18.16	13.30	3.48	1.86	1.59	
14	0.45	1.22	1.50	15.10	25.82	3.88	10.25	30.05	15.70	3.36	1.77	1.59	
15	0.45	0.94	3.48	10.75	19.81	3.74	8.60	16.00	17.20	3.36	1.77	2.13	
16	0.45	0.94	21.50	8.60	16.90	3.74	7.40	24.30	11.50	3.24	1.77	1.68	
17	0.45	0.94	7.20	7.60	13.00	3.60	7.00	31.61	11.00	3.24	1.68	1.68	
18	0.45	1.01	20.80	7.00	11.25	5.60	8.40	53.30	10.75	3.12	1.68	1.68	
19	0.45	1.15	7.20	6.80	10.25	7.60	7.60	189.90	8.80	3.12	1.68	1.68	
20	0.45	5.80	1.50	6.20	9.50	7.20	7.00	203.20	7.80	3.00	1.59	1.68	
21	0.45	16.00	4.16	5.60	9.00	16.60	6.20	65.68	6.40	2.76	1.59	1.77	
22	0.45	16.90	5.20	7.80	8.00	17.83	5.80	57.88	6.00	2.64	1.59	1.86	
23	0.45	8.00	5.80	5.60	7.00	13.90	5.00	94.96	5.60	2.52	1.59	1.86	
24	0.40	7.00	4.30	7.20	7.00	8.60	7.40	59.96	5.80	2.52	1.50	1.86	
25	0.40	6.00	5.80	10.50	6.60	12.40	7.00	46.80	6.00	2.40	1.50	1.77	
26	0.40	3.24	20.80	8.60	6.40	26.20	6.80	32.88	6.00	2.40	1.50	1.77	
27	0.40	2.40	10.50	6.40	7.00	18.82	6.60	28.10	5.80	2.40	1.43	1.77	
28	0.40	2.22	7.60	5.00	6.20	19.48	7.80	25.82	5.00	2.40	1.43	1.86	
29	0.40	2.04	6.20	6.80	3.60	15.40	7.20	21.85	5.00	2.40	1.43	1.95	
30	0.40	1.95	4.72	7.80	4.30	19.15	7.60	20.80	4.72	2.31		1.95	
31		1.50		7.20	5.80		8.00		4.58	2.31		1.95	
TOTAL	11.45	90.90	154.54	612.00	714.97	273.70	499.56	1138.70	322.91	100.24	50.58	53.42	4022.96 CMSDAY
MEAN	0.38	2.93	5.15	19.74	23.06	9.12	16.11	37.96	10.42	3.23	1.74	1.72	10.99 CMS
MAX	0.45	16.90	21.50	135.31	159.72	26.20	70.16	203.20	19.15	4.30	2.13	2.13	203.20 CMS
MIN	0.30	0.40	1.01	4.02	3.60	3.60	5.00	7.00	4.58	2.31	1.43	1.43	0.30 CMS
RUNOFF	0.989	7.854	13.352	52.877	61.773	23.648	43.162	98.384	27.899	8.661	4.370	4.615	347.584 MCM

MOMENTARY PEAK 302.00 CMS, AT 5.15 M (A.D), AT 18.00 HOURS, ON NOV 19, 1979
RUNOFF YIELD 31.05 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 853.11 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG CHAIYA AT BAN MUANG, SURAT THANI (X.106)

LOCATION — LAT. 9°-23'-46" N., LONG. 99°-10'-31" E., ON LEFT BANK AT BAN MUANG, AMPHOE CHAIYA, SURAT THANI.

DRAINAGE AREA — 309 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK ABOUT 20 METERS FROM THE ABUTMENT.

ELEVATION — +3.505 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 37 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-30,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

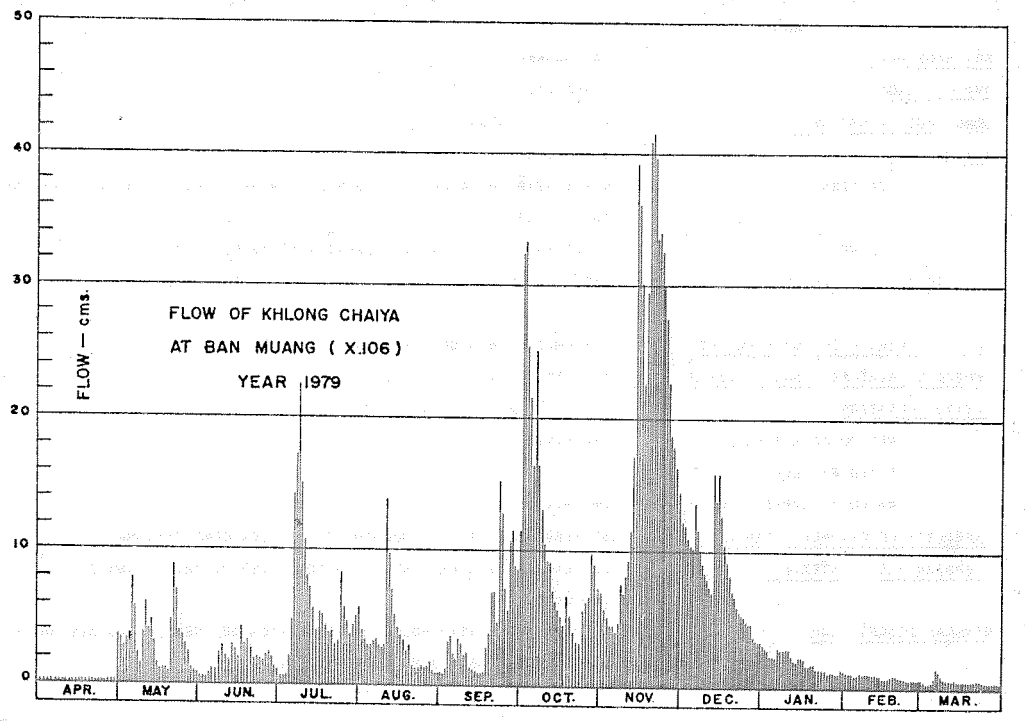
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.17	0.91	0.40	0.44	0.98	0.52	1.64	1.22	1.67	0.84	0.54	0.40	
2	0.17	0.89	0.40	0.44	0.94	0.58	2.85	1.11	1.65	0.80	0.50	0.30	
3	0.17	0.80	0.37	0.43	0.87	0.87	2.89	1.06	1.59	0.74	0.54	0.30	
4	0.17	0.89	0.48	0.46	0.85	0.92	2.49	1.00	1.53	0.74	0.47	0.30	
5	0.17	0.93	0.58	0.57	0.87	0.77	2.26	1.00	1.53	0.74	0.47	0.44	
6	0.17	1.31	0.52	1.07	0.88	0.70	1.96	0.96	1.77	0.80	0.54	0.61	
7	0.17	1.12	0.56	1.81	0.90	0.91	2.46	1.04	1.63	0.80	0.54	0.57	
8	0.17	0.71	0.76	2.01	0.84	0.83	1.95	1.29	1.48	0.79	0.53	0.50	
9	0.17	0.59	0.81	2.33	0.81	0.73	1.73	1.24	1.41	0.82	0.53	0.43	
10	0.17	0.94	0.74	1.87	0.87	0.76	1.56	1.44	1.33	0.79	0.52	0.41	
11	0.17	1.16	0.65	1.55	1.78	0.64	1.44	1.47	1.28	0.73	0.51	0.41	
12	0.17	0.95	0.69	1.31	1.47	0.58	1.44	1.63	1.25	0.70	0.51	0.41	
13	0.17	1.03	0.83	1.26	1.26	0.55	1.27	2.00	1.92	0.68	0.51	0.40	
14	0.17	0.90	0.79	1.09	1.08	0.54	1.19	3.17	1.78	0.74	0.50	0.39	
15	0.17	0.68	0.70	0.95	0.98	0.53	1.12	3.03	1.92	0.74	0.41	0.39	
16	0.17	0.58	0.99	1.10	0.94	0.50	1.07	2.74	1.69	0.69	0.41	0.39	
17	0.17	0.55	0.84	1.09	0.91	0.50	1.02	2.34	1.54	0.62	0.41	0.39	
18	0.17	0.58	0.83	1.01	0.76	0.80	1.21	2.70	1.44	0.62	0.45	0.39	
19	0.17	0.53	0.68	0.95	0.84	0.95	1.11	3.24	1.35	0.65	0.46	0.39	
20	0.17	0.49	0.72	0.95	0.65	1.25	1.01	3.27	1.25	0.63	0.46	0.38	
21	0.17	1.04	0.66	0.96	0.62	1.24	0.94	3.19	1.20	0.59	0.45	0.39	
22	0.17	1.40	0.69	0.84	0.61	1.02	0.88	2.90	1.14	0.58	0.46	0.39	
23	0.17	1.23	0.71	0.86	0.59	1.88	0.87	2.92	1.11	0.58	0.44	0.38	
24	0.17	0.95	0.66	0.89	0.64	1.71	1.02	2.85	1.08	0.57	0.40	0.29	
25	0.17	0.93	0.65	1.35	0.60	1.26	1.15	2.60	1.05	0.51	0.41	0.29	
26	0.17	0.85	0.74	1.12	0.61	1.13	1.19	2.41	1.02	0.55	0.42	0.29	
27	0.17	0.73	0.75	1.00	0.68	1.57	1.21	2.10	1.02	0.54	0.41	0.29	
28	0.17	0.57	0.70	0.93	0.57	1.62	1.49	2.05	0.93	0.54	0.40	0.35	
29	0.17	0.50	0.58	0.99	0.54	1.42	1.39	1.95	0.90	0.50	0.41	0.35	
30	0.17	0.49	0.54	1.07	0.52	1.39	1.26	1.83	0.89	0.58		0.35	
31		0.45		1.15	0.52		1.28		0.88	0.57		0.35	
MEAN	0.17	0.83	0.67	1.09	0.84	0.96	1.50	2.06	1.36	0.67	0.47	0.38	
MAX	0.17	1.40	0.99	2.33	1.78	1.88	2.89	3.27	1.92	0.84	0.54	0.61	3.27
MIN	0.17	0.45	0.37	0.43	0.52	0.50	0.87	0.96	0.88	0.50	0.40	0.29	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT — 3.31 M (A.D), AT 6.00 HOURS, ON NOV 14, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.17 M (A.D)

LEFT BANK ELEVATION — 5.31 M (A.D)

RIGHT BANK ELEVATION — 5.31 M (A.D), DRAINAGE AREA — 309 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	3.40	0.40	0.56	4.10	0.88	11.66	6.62	12.08	2.88	0.96	0.40	
2	0.00	3.23	0.40	0.56	3.70	1.12	32.40	5.41	11.80	2.60	0.80	0.10	
3	0.00	2.60	0.31	0.52	3.09	3.09	33.20	4.90	10.97	2.18	0.96	0.10	
4	0.00	3.23	0.72	0.64	2.95	3.50	25.41	4.30	10.19	2.18	0.68	0.10	
5	0.00	3.60	1.12	1.08	3.09	2.39	21.22	4.30	10.19	2.18	0.68	0.56	
6	0.00	7.61	0.88	5.00	3.16	1.90	16.40	3.90	13.55	2.60	0.96	1.27	
7	0.00	5.52	1.04	14.15	3.30	3.40	24.84	4.70	11.52	2.60	0.96	1.08	
8	0.00	1.97	2.32	17.15	2.88	2.95	16.25	7.39	9.56	2.53	0.92	0.80	
9	0.00	1.16	2.67	22.44	2.67	2.11	12.95	6.84	8.72	2.74	0.92	0.52	
10	0.00	3.70	2.18	15.05	3.09	2.32	10.58	9.08	7.83	2.53	0.88	0.44	
11	0.00	5.96	1.55	10.45	13.70	1.48	9.08	9.44	7.28	2.11	0.84	0.44	
12	0.00	3.80	1.83	7.61	9.44	1.12	9.08	11.52	6.95	1.90	0.84	0.44	
13	0.00	4.60	2.81	7.06	7.06	1.00	7.17	17.00	15.80	1.76	0.84	0.40	
14	0.00	3.30	2.53	5.20	5.10	0.96	6.29	39.17	13.70	2.18	0.80	0.37	
15	0.00	1.76	1.90	3.80	4.10	0.92	5.52	36.13	15.80	2.18	0.44	0.37	
16	0.00	1.12	4.20	5.30	3.70	0.80	5.00	30.20	12.36	1.83	0.44	0.37	
17	0.00	1.00	2.88	5.20	3.40	0.80	4.50	22.62	10.32	1.34	0.44	0.37	
18	0.00	1.12	2.81	4.40	2.32	2.60	6.51	29.40	9.08	1.34	0.60	0.37	
19	0.00	0.92	3.16	3.80	2.88	3.80	5.41	40.75	8.05	1.55	0.64	0.37	
20	0.00	0.76	2.04	3.80	1.55	6.95	4.40	41.42	6.95	1.41	0.64	0.34	
21	0.00	4.70	1.62	3.90	1.34	6.84	3.70	39.62	6.40	1.16	0.60	0.37	
22	0.00	8.60	1.83	2.88	1.27	4.50	3.16	33.40	5.74	1.12	0.64	0.37	
23	0.00	6.73	1.97	3.02	1.16	15.20	3.09	33.82	5.41	1.12	0.56	0.34	
24	0.00	3.80	1.62	3.23	1.48	12.65	4.50	32.40	5.10	1.08	0.40	0.09	
25	0.00	3.60	1.55	8.05	1.20	7.06	5.85	27.50	4.80	0.84	0.44	0.09	
26	0.00	2.95	2.18	5.52	1.27	5.63	6.29	23.89	4.50	1.00	0.48	0.09	
27	0.00	2.11	2.25	4.30	1.76	10.71	6.51	18.50	4.50	0.96	0.44	0.09	
28	0.00	1.08	1.90	3.60	1.08	11.38	9.68	17.75	3.60	0.96	0.40	0.25	
29	0.00	0.80	1.12	4.20	0.96	8.84	8.49	16.25	3.30	0.80	0.44	0.25	
30	0.00	0.76	0.96	5.00	0.88	8.49	7.06	14.45	3.23	1.12		0.25	
31		0.60		5.85	0.88		7.28		3.16	1.08		0.25	
TOTAL	0.00	96.09	54.75	183.32	98.56	135.39	333.48	592.67	262.44	53.86	19.64	11.65	1841.85 CMSDAY
MEAN	0.00	3.10	1.82	5.91	3.18	4.51	10.76	19.76	8.47	1.74	0.68	0.38	5.03 CMS
MAX	0.00	8.60	4.20	22.44	13.70	15.20	33.20	41.42	15.80	2.88	0.96	1.27	41.42 CMS
MIN	0.00	0.60	0.31	0.52	0.88	0.80	3.09	3.90	3.16	0.80	0.40	0.09	0.00 CMS
RUNOFF	0.000	8.302	4.730	15.839	8.516	11.698	28.813	51.207	22.675	4.653	1.697	1.007	159.136 MCM

MOMENTARY PEAK 42.33 CMS, AT 3.31 M (A.D), AT 6.00 HOURS, ON NOV 14, 1979

RUNOFF YIELD 16.29 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 136.97 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG THA DI AT BAN NA KAM, NAKHON SI THAMMARAT (X.55)

LOCATION — LAT. 8°-23'-53" N., LONG. 99°-50'-15" E., ON LEFT BANK ABOUT 450 METERS DOWNSTREAM FROM THE BRIDGE OF KARAM ROAD AT BAN NA KAM, AMPHOE LAN SAKA, NAKHON SI THAMMARAT.

DRAINAGE AREA — 105 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — B.M.1 NEAR THE GAGE SITE, B.M.2 ON RIGHT BANK AT THE ABUTMENT OF THE BRIDGE.

ELEVATION — B.M.1 =+3.798 M. (A.D.), B.M.2 =+6.706 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1971

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1971

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +3.90 M. (A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 541 DISCHARGE MEASUREMENTS MADE DURING 1967-1971.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

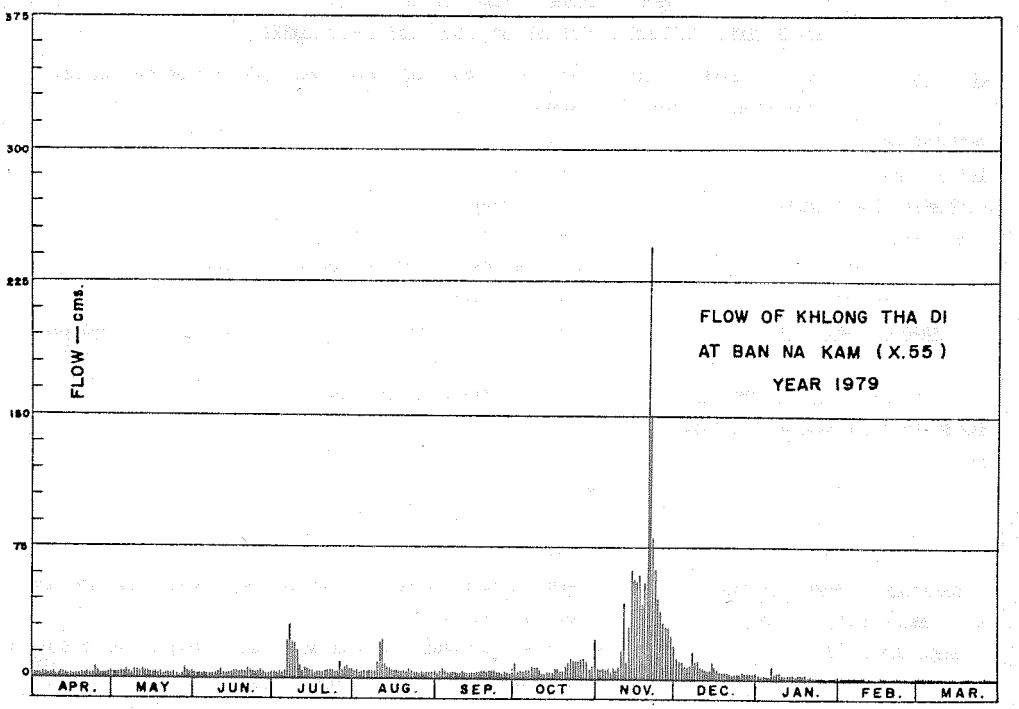
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.40	0.55	0.45	0.59	0.58	0.49	0.64	0.95	1.10	0.39	0.29	0.23	
2	0.39	0.49	0.44	0.52	0.56	0.56	0.58	0.65	0.95	0.38	0.29	0.23	
3	0.39	0.52	0.43	0.50	0.54	0.63	0.57	0.64	0.98	0.37	0.28	0.23	
4	0.39	0.57	0.45	0.57	0.61	0.57	0.56	0.62	0.85	0.36	0.28	0.24	
5	0.39	0.54	0.43	0.53	0.59	0.53	0.55	0.69	0.75	0.35	0.28	0.26	
6	0.39	0.63	0.44	1.49	0.57	0.52	0.56	0.58	0.83	0.71	0.27	0.25	
7	0.38	0.51	0.42	1.88	0.56	0.51	0.62	0.77	1.23	0.44	0.27	0.27	
8	0.38	0.47	0.41	1.50	0.54	0.49	0.69	0.69	0.96	0.52	0.27	0.26	
9	0.38	0.53	0.52	1.42	0.59	0.48	0.69	0.71	0.72	0.49	0.27	0.23	
10	0.38	0.61	0.51	1.21	1.38	0.54	0.49	1.12	0.66	0.43	0.26	0.21	
11	0.38	0.49	0.58	0.74	1.51	0.56	0.54	2.36	0.64	0.41	0.26	0.21	
12	0.38	0.61	0.48	0.59	0.79	0.51	0.51	0.92	0.52	0.40	0.26	0.20	
13	0.38	0.52	0.45	0.64	0.68	0.50	0.50	2.23	0.70	0.39	0.26	0.20	
14	0.37	0.49	0.47	0.64	0.63	0.49	0.49	3.00	0.97	0.38	0.25	0.20	
15	0.37	0.47	0.57	0.61	0.59	0.55	0.48	2.81	0.79	0.37	0.25	0.20	
16	0.37	0.46	0.62	0.57	0.57	0.55	0.47	2.79	0.70	0.36	0.25	0.19	
17	0.37	0.44	0.56	0.54	0.55	0.55	0.49	2.92	0.59	0.35	0.25	0.26	
18	0.37	0.43	0.53	0.55	0.54	0.50	0.55	2.30	0.55	0.35	0.25	0.26	
19	0.37	0.50	0.57	0.56	0.53	0.53	0.54	2.47	0.52	0.34	0.25	0.23	
20	0.37	0.44	0.48	0.60	0.53	0.51	0.52	3.38	0.50	0.34	0.25	0.22	
21	0.57	0.48	0.67	0.54	0.64	0.54	0.63	4.87	0.48	0.33	0.24	0.21	
22	0.39	0.49	0.57	0.62	0.64	0.52	0.54	3.66	0.46	0.33	0.24	0.21	
23	0.42	0.46	0.55	0.59	0.57	0.50	0.57	3.17	0.45	0.32	0.24	0.20	
24	0.73	0.52	0.49	0.54	0.56	0.49	0.78	2.48	0.44	0.32	0.24	0.19	
25	0.51	0.47	0.51	0.63	0.53	0.47	0.91	2.12	0.43	0.31	0.24	0.18	
26	0.47	0.44	0.63	0.89	0.52	0.53	1.02	1.97	0.56	0.31	0.23	0.18	
27	0.45	0.42	0.54	0.60	0.55	0.55	0.94	1.83	0.46	0.31	0.23	0.18	
28	0.44	0.61	0.50	0.76	0.52	0.49	0.74	1.75	0.44	0.30	0.23	0.19	
29	0.48	0.48	0.51	0.74	0.51	0.55	0.70	1.62	0.43	0.30	0.23	0.17	
30	0.50	0.47	0.53	0.64	0.50	0.79	0.87	1.35	0.42	0.30		0.19	
31		0.46		0.60	0.50		1.55		0.41	0.29		0.20	
MEAN	0.42	0.50	0.51	0.75	0.63	0.53	0.65	1.91	0.66	0.37	0.26	0.22	
MAX	0.73	0.63	0.67	1.88	1.51	0.79	1.55	4.87	1.23	0.71	0.29	0.27	4.87
MIN	0.37	0.42	0.41	0.50	0.50	0.47	0.47	0.58	0.41	0.29	0.23	0.17	0.17

ANNUAL MAX MOMENTARY GAGE HEIGHT — 5.30 M (A.D), AT 9.00 HOURS, ON NOV 21, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.02 M (A.D)

LEFT BANK ELEVATION — 3.89 M (A.D)

RIGHT BANK ELEVATION — 4.66 M (A.D), DRAINAGE AREA — 105 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.20	3.90	2.70	4.46	4.32	3.10	5.16	10.30	13.20	2.10	1.12	0.64	
2	2.10	3.10	2.60	3.48	4.04	4.04	4.32	5.30	10.30	2.00	1.12	0.64	
3	2.10	3.48	2.50	3.20	3.76	5.02	4.18	5.16	10.84	1.90	1.04	0.64	
4	2.10	4.18	2.70	4.18	4.74	4.18	4.04	4.88	8.50	1.80	1.04	0.72	
5	2.10	3.76	2.50	3.62	4.46	3.62	3.90	5.86	6.80	1.70	1.04	0.88	
6	2.10	5.02	2.60	21.57	4.18	3.48	4.04	4.32	8.14	6.16	0.96	0.80	
7	2.00	3.34	2.40	30.92	4.04	3.34	4.88	7.12	15.80	2.60	0.96	0.96	
8	2.00	2.90	2.30	21.80	3.76	3.10	5.86	5.86	10.48	3.48	0.96	0.88	
9	2.00	3.62	3.48	19.96	4.46	3.00	5.86	6.16	6.32	3.10	0.96	0.64	
10	2.00	4.74	3.34	15.40	19.04	3.76	3.10	13.60	5.44	2.50	0.88	0.48	
11	2.00	3.10	4.32	6.64	22.04	4.04	3.76	43.68	5.16	2.30	0.88	0.48	
12	2.00	4.74	3.00	4.46	7.44	3.34	3.34	9.76	3.48	2.20	0.88	0.40	
13	2.00	3.48	2.70	5.16	5.72	3.20	3.20	40.04	6.00	2.10	0.88	0.40	
14	1.90	3.10	2.90	5.16	5.02	3.10	3.10	62.20	10.66	2.00	0.80	0.40	
15	1.90	2.90	4.18	4.74	4.46	3.90	3.00	56.50	7.44	1.90	0.80	0.40	
16	1.90	2.80	4.88	4.18	4.18	3.90	2.90	55.90	6.00	1.80	0.80	0.32	
17	1.90	2.60	4.04	3.76	3.90	3.90	3.10	59.80	4.46	1.70	0.80	0.88	
18	1.90	2.50	3.62	3.90	3.76	3.20	3.90	42.00	3.90	1.70	0.80	0.88	
19	1.90	3.20	4.18	4.04	3.62	3.62	3.76	46.76	3.48	1.60	0.80	0.64	
20	1.90	2.60	3.00	4.60	3.62	3.34	3.48	75.56	3.20	1.60	0.80	0.56	
21	4.18	3.00	5.58	3.76	5.16	3.76	5.02	244.74	3.00	1.50	0.72	0.48	
22	2.10	3.10	4.18	4.88	5.16	3.48	3.76	90.52	2.80	1.50	0.72	0.48	
23	2.40	2.80	3.90	4.46	4.18	3.20	4.18	67.64	2.70	1.40	0.72	0.40	
24	6.48	3.48	3.10	3.76	4.04	3.10	7.28	47.04	2.60	1.40	0.72	0.32	
25	3.34	2.90	3.34	5.02	3.62	2.90	9.58	37.12	2.50	1.30	0.72	0.24	
26	2.90	2.60	5.02	9.22	3.48	3.62	11.60	33.22	4.04	1.30	0.64	0.24	
27	2.70	2.40	3.76	4.60	3.90	3.90	10.12	29.72	2.80	1.30	0.64	0.24	
28	2.60	4.74	3.20	6.96	3.48	3.10	6.64	27.80	2.60	1.20	0.64	0.32	
29	3.00	3.00	3.34	6.64	3.34	3.90	6.00	24.68	2.50	1.20	0.64	0.16	
30	3.20	2.90	3.62	5.16	3.20	7.44	8.86	18.35	2.40	1.20		0.32	
31		2.80		4.60	3.20		23.00		2.30	1.12		0.40	
TOTAL	72.90	102.78	102.98	234.29	163.32	110.58	174.92	1181.59	179.84	60.66	24.48	16.24	2424.58 CMSDAY
MEAN	2.43	3.32	3.43	7.56	5.27	3.69	5.64	39.39	5.80	1.96	0.84	0.52	6.62 CMS
MAX	6.48	5.02	5.58	30.92	22.04	7.44	23.00	244.74	15.80	6.16	1.12	0.96	244.74 CMS
MIN	1.90	2.40	2.30	3.20	3.20	2.90	2.90	4.32	2.30	1.12	0.64	0.16	0.16 CMS
RUNOFF	6.299	8.880	8.897	20.243	14.111	9.554	15.113	102.089	15.538	5.241	2.115	1.403	209.483 MCM

MOMENTARY PEAK 334.20 CMS, AT 5.30 M (A.D), AT 9.00 HOURS, ON NOV 21, 1979

RUNOFF YIELD 63.09 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3182.86 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

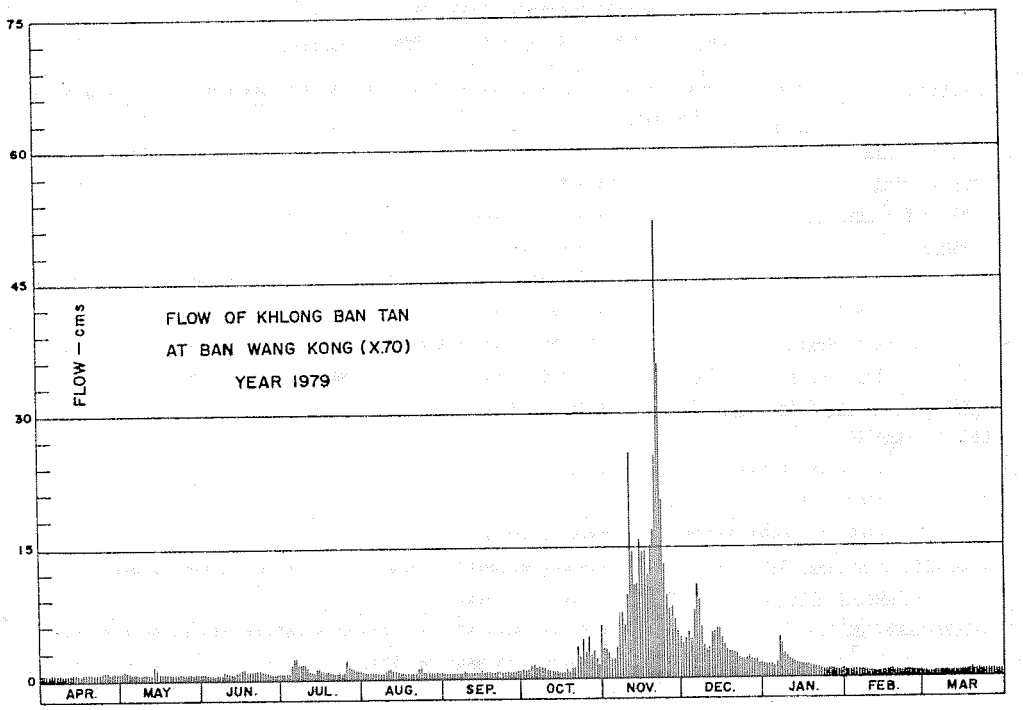
KHLONG BAN TAN AT BAN WANG KONG, NAKHON SI THAMMARAT (X.70)

LOCATION	LAT. 8°25'35" N., LONG. 99°51'53" E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE, AMPHOE MUANG, NAKHON SI THAMMARAT.
DRAINAGE AREA	39 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ABOUT 5 METERS EAST OF THE TOP STAFF GAGE.
ELEVATION	+7.247 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1971
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1971
STABILITY OF CHANNEL REGIMES	RATHER UNSTABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 461 DISCHARGE MEASUREMENTS MADE DURING 1967-1971.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.25	0.26	0.24	0.27	0.30	0.27	0.39	0.75	0.83	0.46	0.34	0.27	
2	0.24	0.36	0.23	0.27	0.30	0.27	0.34	0.74	0.91	0.46	0.33	0.27	
3	0.24	0.32	0.23	0.27	0.29	0.27	0.32	0.69	1.01	0.45	0.33	0.26	
4	0.24	0.31	0.26	0.28	0.29	0.26	0.37	0.59	0.88	0.44	0.32	0.26	
5	0.24	0.26	0.24	0.60	0.29	0.28	0.41	0.58	1.30	0.44	0.32	0.26	
6	0.24	0.29	0.23	0.60	0.28	0.28	0.43	0.76	1.63	0.47	0.32	0.29	
7	0.24	0.28	0.23	0.48	0.28	0.27	0.37	1.30	1.46	0.92	0.32	0.31	
8	0.24	0.26	0.23	0.47	0.28	0.27	0.39	1.29	1.07	0.68	0.31	0.28	
9	0.24	0.28	0.31	0.47	0.27	0.29	0.36	1.08	0.78	0.66	0.31	0.27	
10	0.23	0.27	0.30	0.42	0.33	0.28	0.34	1.51	0.73	0.58	0.31	0.27	
11	0.23	0.26	0.26	0.36	0.39	0.28	0.32	2.99	0.79	0.53	0.31	0.28	
12	0.23	0.26	0.28	0.31	0.36	0.27	0.31	2.02	1.01	0.50	0.30	0.28	
13	0.23	0.43	0.25	0.29	0.34	0.27	0.30	1.64	1.04	0.47	0.30	0.27	
14	0.23	0.37	0.31	0.40	0.33	0.26	0.29	2.17	1.08	0.46	0.30	0.27	
15	0.23	0.29	0.33	0.40	0.31	0.26	0.28	2.02	1.03	0.45	0.29	0.26	
16	0.23	0.28	0.37	0.35	0.29	0.31	0.26	2.05	0.91	0.44	0.29	0.26	
17	0.23	0.27	0.37	0.33	0.29	0.30	0.27	1.77	0.79	0.43	0.30	0.28	
18	0.28	0.27	0.35	0.32	0.28	0.30	0.32	2.06	0.72	0.42	0.30	0.27	
19	0.26	0.26	0.33	0.31	0.28	0.29	0.28	2.27	0.72	0.41	0.29	0.33	
20	0.25	0.26	0.32	0.30	0.27	0.28	0.36	2.93	0.68	0.40	0.29	0.28	
21	0.24	0.26	0.35	0.30	0.26	0.30	0.37	4.62	0.63	0.39	0.28	0.30	
22	0.27	0.26	0.36	0.29	0.38	0.29	0.79	3.67	0.59	0.38	0.28	0.27	
23	0.26	0.25	0.32	0.29	0.39	0.28	0.59	2.56	0.57	0.38	0.28	0.27	
24	0.33	0.25	0.30	0.28	0.31	0.28	0.88	1.88	0.55	0.37	0.30	0.26	
25	0.33	0.25	0.29	0.27	0.29	0.28	0.68	1.50	0.54	0.37	0.29	0.26	
26	0.28	0.25	0.28	0.53	0.28	0.27	0.94	1.34	0.62	0.36	0.28	0.26	
27	0.26	0.24	0.28	0.40	0.27	0.27	0.65	1.37	0.57	0.36	0.28	0.26	
28	0.26	0.24	0.27	0.37	0.27	0.27	0.71	1.16	0.55	0.36	0.28	0.25	
29	0.26	0.28	0.27	0.36	0.26	0.27	0.56	1.03	0.52	0.35	0.27	0.25	
30	0.26	0.25	0.27	0.33	0.30	0.31	0.45	0.93	0.49	0.34		0.25	
31		0.25		0.32	0.28		1.10		0.47	0.34		0.29	
MEAN	0.25	0.28	0.29	0.36	0.30	0.28	0.47	1.71	0.82	0.45	0.30	0.27	
MAX	0.33	0.43	0.37	0.60	0.39	0.31	1.10	4.62	1.63	0.92	0.34	0.33	4.62
MIN	0.23	0.24	0.23	0.27	0.26	0.26	0.26	0.58	0.47	0.34	0.27	0.25	0.23

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.00 M (A.D), AT 6.00 HOURS, ON NOV 21, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.19 M (A.D)
LEFT BANK ELEVATION 7.74 M (A.D)
RIGHT BANK ELEVATION 7.65 M (A.D), DRAINAGE AREA 39 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.65	0.69	0.61	0.73	0.85	0.73	1.25	3.30	3.86	1.60	1.03	0.73	
2	0.61	1.12	0.57	0.73	0.85	0.73	1.03	3.23	4.42	1.60	0.99	0.73	
3	0.61	0.94	0.57	0.73	0.81	0.73	0.94	2.89	5.17	1.55	0.99	0.69	
4	0.61	0.89	0.69	0.77	0.81	0.69	1.16	2.29	4.21	1.50	0.94	0.69	
5	0.61	0.69	0.61	2.35	0.81	0.77	1.35	2.24	7.50	1.50	0.94	0.69	
6	0.61	0.81	0.57	2.35	0.77	0.77	1.45	3.37	10.42	1.65	0.94	0.81	
7	0.61	0.77	0.57	1.70	0.77	0.73	1.16	7.50	8.89	4.50	0.94	0.89	
8	0.61	0.69	0.57	1.65	0.77	0.73	1.25	7.41	5.62	2.83	0.89	0.77	
9	0.61	0.77	0.89	1.65	0.73	0.81	1.12	5.70	3.51	2.71	0.89	0.73	
10	0.57	0.73	0.85	1.40	0.99	0.77	1.03	9.34	3.16	2.24	0.89	0.73	
11	0.57	0.69	0.69	1.12	1.25	0.77	0.94	25.56	3.58	1.96	0.89	0.77	
12	0.57	0.69	0.77	0.89	1.12	0.73	0.89	14.20	5.17	1.80	0.85	0.77	
13	0.57	1.45	0.65	0.81	1.03	0.73	0.85	10.51	5.40	1.65	0.65	0.73	
14	0.57	1.16	0.89	1.30	0.99	0.69	0.81	15.77	5.70	1.60	0.85	0.73	
15	0.57	0.81	0.99	1.30	0.89	0.69	0.77	14.20	5.32	1.55	0.81	0.69	
16	0.57	0.77	1.16	1.07	0.81	0.89	0.69	14.50	4.42	1.50	0.81	0.69	
17	0.57	0.73	1.16	0.99	0.81	0.85	0.73	11.71	3.58	1.45	0.85	0.77	
18	0.77	0.73	1.07	0.94	0.77	0.85	0.94	14.60	3.09	1.40	0.85	0.73	
19	0.69	0.69	0.99	0.89	0.77	0.81	0.77	16.87	3.09	1.35	0.81	0.99	
20	0.65	0.69	0.94	0.85	0.73	0.77	1.12	24.72	2.83	1.30	0.81	0.77	
21	0.61	0.69	1.07	0.85	0.69	0.85	1.16	51.76	2.53	1.25	0.77	0.85	
22	0.73	0.69	1.12	0.81	1.21	0.81	3.58	35.53	2.29	1.21	0.77	0.73	
23	0.69	0.65	0.94	0.81	1.25	0.77	2.29	20.14	2.18	1.21	0.77	0.73	
24	0.99	0.65	0.85	0.77	0.89	0.77	4.21	12.80	2.07	1.16	0.85	0.69	
25	0.99	0.65	0.81	0.73	0.81	0.77	2.83	9.25	2.02	1.16	0.81	0.69	
26	0.77	0.65	0.77	1.96	0.77	0.73	4.65	7.84	2.47	1.12	0.77	0.69	
27	0.69	0.61	0.77	1.30	0.73	0.73	2.65	8.09	2.18	1.12	0.77	0.69	
28	0.69	0.61	0.73	1.16	0.73	0.73	3.02	6.33	2.07	1.12	0.77	0.65	
29	0.69	0.77	0.73	1.12	0.69	0.73	2.13	5.32	1.91	1.07	0.73	0.65	
30	0.69	0.65	0.73	0.99	0.85	0.89	1.55	4.57	1.75	1.03		0.65	
31		0.65		0.94	0.77		5.85		1.65	1.03		0.81	
TOTAL	19.74	23.78	24.33	35.66	26.72	23.02	54.17	371.54	122.06	49.72	24.83	22.93	798.50 CMSDAY
MEAN	0.66	0.77	0.81	1.15	0.86	0.77	1.75	12.38	3.94	1.60	0.86	0.74	2.18 CMS
MAX	0.99	1.45	1.16	2.35	1.25	0.89	5.85	51.76	10.42	4.50	1.03	0.99	51.76 CMS
MIN	0.57	0.61	0.57	0.73	0.69	0.69	0.69	2.24	1.65	1.03	0.73	0.65	0.57 CMS
RUNOFF	1.706	2.055	2.102	3.081	2.309	1.989	4.680	32.101	10.546	4.296	2.145	1.981	68.990 MCM

MOMENTARY PEAK 58.60 CMS, AT 5.00 M (A.D), AT 6.00 HOURS, ON NOV 21, 1979

RUNOFF YIELD 55.94 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1502.56 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

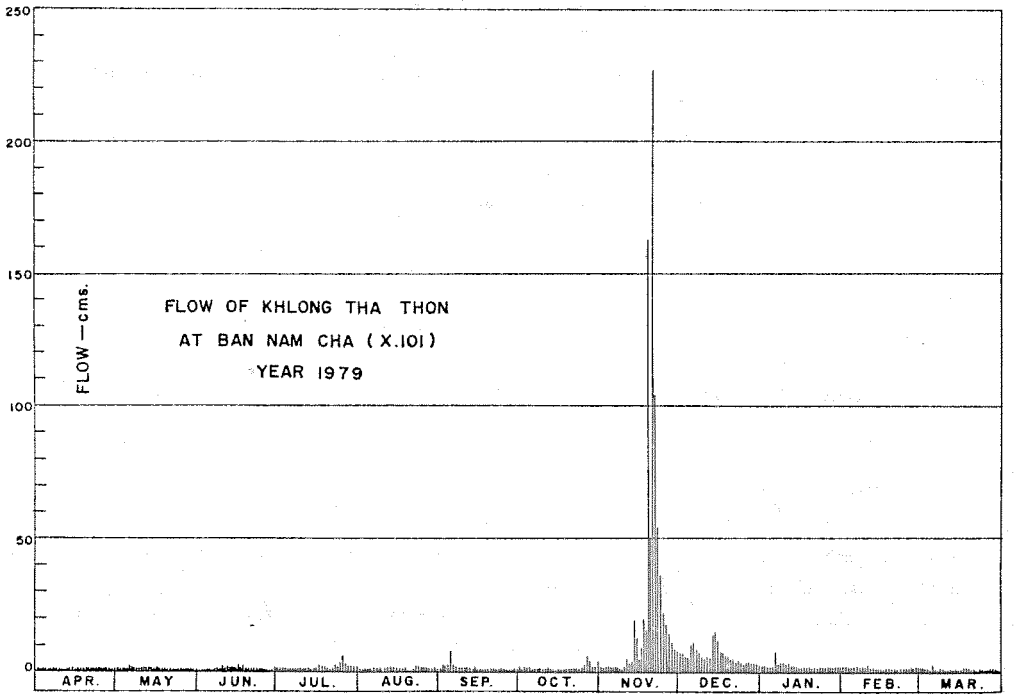
KHLONG THA THON AT BAN NAM CHA, NAKHON SI THAMMARAT (X.101)

LOCATION	LAT. 8°52'30" N., LONG. 99°51'40" E., ON RIGHT BANK AT BAN NAM CHA, AMPHOE SICHON, NAKHON SI THAMMARAT.
DRAINAGE AREA	95 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-M.S.
LOCATION	ON RIGHT BANK ABOUT 11 METERS NORTH FROM THE STATION OFFICE.
ELEVATION	+8.666 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1976 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1976 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1976 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 189 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.50	0.52	0.48	0.50	0.64	0.60	0.65	0.73	1.02	0.74	0.61	0.56	
2	0.50	0.51	0.49	0.50	0.61	0.83	0.61	0.70	0.98	0.73	0.60	0.55	
3	0.50	0.53	0.49	0.49	0.59	0.76	0.61	0.68	0.97	0.72	0.61	0.55	
4	0.50	0.73	0.51	0.52	0.58	0.83	0.57	0.70	0.95	0.72	0.60	0.55	
5	0.49	0.65	0.50	0.53	0.58	1.07	0.56	0.68	1.17	0.72	0.60	0.55	
6	0.51	0.76	0.59	0.56	0.58	0.78	0.54	0.66	1.21	1.06	0.60	0.54	
7	0.54	0.61	0.56	0.60	0.56	0.69	0.54	0.69	1.08	0.83	0.59	0.54	
8	0.51	0.55	0.72	0.58	0.55	0.65	0.53	0.66	1.00	0.87	0.59	0.54	
9	0.50	0.57	0.73	0.57	0.55	0.62	0.52	0.64	0.95	0.79	0.59	0.54	
10	0.49	0.70	0.81	0.56	0.56	0.62	0.51	0.78	0.91	0.76	0.59	0.54	
11	0.49	0.64	0.65	0.53	0.61	0.63	0.51	0.95	0.97	0.73	0.59	0.52	
12	0.49	0.65	0.66	0.52	0.56	0.64	0.51	0.86	0.90	0.73	0.59	0.53	
13	0.50	0.59	0.66	0.53	0.55	0.60	0.50	0.87	1.25	0.71	0.58	0.52	
14	0.51	0.56	0.71	0.65	0.54	0.58	0.50	1.48	1.33	0.69	0.59	0.53	
15	0.54	0.55	0.67	0.60	0.52	0.57	0.49	1.29	1.22	0.68	0.58	0.53	
16	0.53	0.55	0.80	0.79	0.51	0.56	0.49	0.98	1.10	0.67	0.58	0.52	
17	0.51	0.53	0.68	0.74	0.51	0.60	0.49	1.50	1.05	0.67	0.58	0.52	
18	0.50	0.53	0.80	0.	0.50	0.62	0.51	1.22	0.99	0.67	0.58	0.52	
19	0.67	0.52	0.67	0.69	0.50	0.59	0.49	3.80	0.95	0.66	0.58	0.52	
20	0.62	0.51	0.64	0.63	0.51	0.60	0.55	2.19	0.92	0.66	0.57	0.52	
21	0.54	0.51	0.61	0.63	0.63	0.58	0.53	4.51	0.89	0.65	0.57	0.52	
22	0.54	0.51	0.60	0.74	0.79	0.59	0.51	2.46	0.86	0.64	0.57	0.52	
23	0.61	0.50	0.56	0.82	0.74	0.59	0.51	2.20	0.84	0.64	0.57	0.52	
24	0.60	0.50	0.55	0.70	0.62	0.56	0.71	1.73	0.83	0.64	0.57	0.51	
25	0.57	0.49	0.54	0.91	0.60	0.55	0.68	1.49	0.81	0.63	0.57	0.51	
26	0.53	0.49	0.53	1.01	0.57	0.57	0.87	1.40	0.86	0.63	0.56	0.50	
27	0.51	0.49	0.53	0.84	0.62	0.54	1.02	1.29	0.80	0.62	0.56	0.50	
28	0.51	0.48	0.52	0.74	0.57	0.55	0.91	1.20	0.78	0.62	0.56	0.50	
29	0.52	0.48	0.53	0.71	0.55	0.62	0.76	1.12	0.76	0.62	0.56	0.49	
30	0.53	0.48	0.51	0.69	0.54	0.61	0.71	1.07	0.75	0.62		0.50	
31		0.48		0.69	0.53		0.90		0.74	0.61		0.49	
MEAN	0.53	0.55	0.61	0.65	0.58	0.64	0.61	1.35	0.96	0.70	0.58	0.52	
MAX	0.67	0.76	0.81	1.01	0.79	1.07	1.02	4.51	1.33	1.06	0.61	0.56	4.51
MIN	0.49	0.48	0.48	0.49	0.50	0.54	0.49	0.64	0.74	0.61	0.56	0.49	0.48

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.16 M (A.D), AT 12.00 HOURS, ON NOV 21, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.41 M (A.D)
LEFT BANK ELEVATION 8.76 M (A.D)
RIGHT BANK ELEVATION 9.06 M (A.D), DRAINAGE AREA 95 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.52	0.62	0.41	0.52	1.24	1.03	1.29	1.80	6.40	1.90	1.08	0.83	
2	0.52	0.57	0.46	0.52	1.08	2.95	1.08	1.55	5.60	1.80	1.03	0.77	
3	0.52	0.67	0.46	0.46	0.98	2.10	1.08	1.45	5.40	1.70	1.08	0.77	
4	0.52	1.80	0.57	0.62	0.93	2.95	0.88	1.55	5.00	1.70	1.03	0.77	
5	0.46	1.29	0.52	0.67	0.93	7.40	0.83	1.45	10.10	1.70	1.03	0.77	
6	0.57	2.10	0.98	0.83	0.93	2.30	0.72	1.34	11.30	7.20	1.03	0.72	
7	0.72	1.08	0.83	1.03	0.83	1.50	0.72	1.50	7.60	2.95	0.98	0.72	
8	0.57	0.77	1.70	0.93	0.77	1.29	0.67	1.34	6.00	3.55	0.98	0.72	
9	0.52	0.88	1.80	0.88	0.77	1.14	0.62	1.24	5.00	2.40	0.98	0.72	
10	0.46	1.55	2.65	0.83	0.83	1.14	0.57	2.30	4.20	2.10	0.98	0.72	
11	0.46	1.24	1.29	0.67	1.08	1.19	0.57	5.00	5.40	1.80	0.98	0.62	
12	0.46	1.29	1.34	0.62	0.83	1.24	0.57	3.40	4.00	1.80	0.98	0.67	
13	0.52	0.98	1.34	0.67	0.77	1.03	0.52	3.55	12.50	1.60	0.93	0.62	
14	0.57	0.83	1.60	1.29	0.72	0.93	0.52	19.80	14.90	1.50	0.98	0.67	
15	0.72	0.77	1.39	1.03	0.62	0.88	0.46	13.70	11.60	1.45	0.93	0.67	
16	0.67	0.77	2.50	2.40	0.57	0.83	0.46	5.60	8.00	1.39	0.93	0.62	
17	0.57	0.67	1.45	2.10	0.57	1.03	0.46	20.50	7.00	1.39	0.93	0.62	
18	0.52	0.67	2.50	1.39	0.52	1.14	0.57	11.60	5.80	1.39	0.93	0.62	
19	1.39	0.62	1.39	1.50	0.52	0.98	0.46	163.00	5.00	1.34	0.93	0.62	
20	1.14	0.57	1.24	1.19	0.57	1.03	0.77	50.50	4.40	1.34	0.88	0.62	
21	0.72	0.57	1.08	1.19	1.19	0.93	0.67	226.90	3.85	1.29	0.88	0.62	
22	0.72	0.57	1.03	1.90	2.40	0.98	0.57	64.60	3.40	1.24	0.88	0.62	
23	1.08	0.52	0.83	2.80	1.90	0.98	0.57	51.00	3.10	1.24	0.88	0.62	
24	1.03	0.52	0.77	1.55	1.14	0.83	1.60	29.20	2.95	1.24	0.88	0.57	
25	0.88	0.46	0.72	4.20	1.03	0.77	1.45	20.15	2.65	1.19	0.88	0.57	
26	0.67	0.46	0.67	6.20	0.88	0.88	3.55	17.00	3.40	1.19	0.83	0.52	
27	0.57	0.46	0.67	3.10	1.14	0.72	6.40	13.70	2.50	1.14	0.83	0.52	
28	0.57	0.41	0.62	1.90	0.88	0.77	4.20	11.00	2.30	1.14	0.83	0.52	
29	0.62	0.41	0.67	1.60	0.77	1.14	2.10	8.60	2.10	1.14	0.83	0.46	
30	0.67	0.41	0.57	1.50	0.72	1.08	1.60	7.40	2.00	1.14		0.52	
31		0.41		1.50	0.67		4.00		1.90	1.08		0.46	
TOTAL	19.93	24.94	34.05	47.59	28.78	43.16	40.53	761.72	175.35	55.03	27.32	19.86	1278.26 CMSDAY
MEAN	0.66	0.80	1.13	1.54	0.93	1.44	1.31	25.39	5.66	1.78	0.94	0.64	3.49 CMS
MAX	1.39	2.10	2.65	6.20	2.40	7.40	6.40	226.90	14.90	7.20	1.08	0.83	226.90 CMS
MIN	0.46	0.41	0.41	0.46	0.52	0.72	0.46	1.24	1.90	1.08	0.83	0.46	0.41 CMS
RUNOFF	1.722	2.155	2.942	4.112	2.487	3.729	3.502	65.813	15.150	4.755	2.360	1.716	110.442 MCM

MOMENTARY PEAK 290.00 CMS, AT 5.16 M (A.D), AT 12.00 HOURS, ON NOV 21, 1979
RUNOFF YIELD 36.76 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 3052.63 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG SANG AT BAN THANG KHAM, NAKHON SI THAMMARAT (X.102A)

LOCATION — LAT. 8°17'57" N., LONG. 99°23'00" E., ON RIGHT BANK AT BAN THANG KHAM, TAMBON THA YANG, AMPHOE THUNG YAI, NAKHON SI THAMMARAT.

DRAINAGE AREA — 152 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK ABOUT 2.70 METERS FROM THE OBSERVER'S HOUSE.

ELEVATION — +5.323 M. (A.D.)

GAGE READING FREQUENCY — 13-TIME DAILY READINGS AT 06.00-18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 13 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1977 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1977 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1977 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

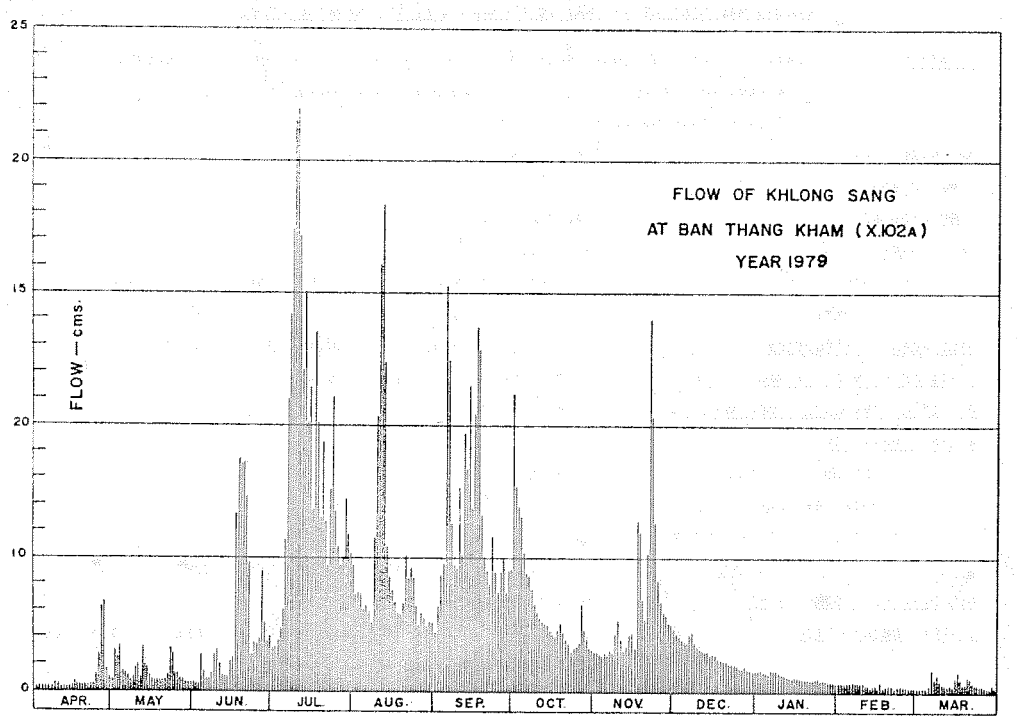
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.45	0.63	0.60	1.21	2.09	1.44	3.26	1.18	1.42	0.88	0.63	0.50	
2	0.46	1.16	0.57	1.20	1.81	1.70	2.68	1.16	1.38	0.87	0.63	0.50	
3	0.48	1.06	0.56	1.33	1.82	1.99	2.54	1.14	1.33	0.85	0.62	0.51	
4	0.45	1.22	1.10	1.45	1.80	2.12	2.48	1.13	1.32	0.84	0.62	0.50	
5	0.47	0.84	0.85	1.67	1.67	3.85	2.19	1.17	1.30	0.83	0.62	0.54	
6	0.46	0.83	0.70	2.29	1.71	3.45	2.02	1.14	1.40	0.90	0.62	0.82	
7	0.46	0.78	0.69	3.70	1.64	2.42	1.97	1.20	1.43	0.89	0.62	0.93	
8	0.43	0.65	0.80	4.12	1.55	2.13	1.86	1.16	1.30	0.89	0.63	0.74	
9	0.56	0.70	1.10	4.58	2.32	2.06	1.72	1.41	1.25	0.85	0.63	0.81	
10	0.54	0.90	1.18	4.63	3.13	2.70	1.64	1.57	1.21	0.83	0.62	0.66	
11	0.52	0.98	0.99	4.08	3.95	2.19	1.59	1.34	1.18	0.81	0.60	0.59	
12	0.47	0.74	0.80	3.40	4.23	3.03	1.56	1.19	1.16	0.78	0.58	0.55	
13	0.45	1.22	0.73	3.82	3.44	2.80	1.54	1.26	1.16	0.77	0.52	0.56	
14	0.45	0.94	0.72	3.10	2.23	3.31	1.51	1.41	1.12	0.76	0.57	0.58	
15	0.45	0.75	1.00	3.30	1.97	2.54	1.46	1.43	1.14	0.75	0.57	0.48	
16	0.48	0.77	1.06	2.52	1.86	3.14	1.42	1.25	1.12	0.74	0.50	0.79	
17	0.56	0.63	2.49	3.61	1.71	3.64	1.38	2.44	1.08	0.72	0.66	0.87	
18	0.53	0.63	2.86	3.09	1.63	3.52	1.46	2.36	1.05	0.72	0.50	0.66	
19	0.50	0.63	2.83	2.46	1.62	2.48	1.54	1.78	1.03	0.72	0.57	0.59	
20	0.49	0.61	2.84	2.97	1.72	2.17	1.43	1.58	1.02	0.70	0.58	0.79	
21	0.49	0.67	2.60	2.43	2.18	2.04	1.36	2.20	1.00	0.70	0.57	0.75	
22	0.48	0.78	2.10	2.07	1.96	1.89	1.30	3.68	1.00	0.70	0.51	0.64	
23	0.52	1.20	1.10	2.67	2.06	2.33	1.17	3.13	0.98	0.73	0.54	0.60	
24	0.54	1.11	1.31	3.25	1.98	2.03	1.24	2.42	0.96	0.73	0.55	0.56	
25	0.78	0.81	1.27	2.52	1.70	1.83	1.25	1.95	0.92	0.69	0.54	0.55	
26	1.07	0.82	1.34	2.22	1.53	2.03	1.30	1.75	0.91	0.68	0.54	0.54	
27	1.67	0.71	2.03	2.08	1.64	2.14	1.73	1.66	0.94	0.69	0.52	0.52	
28	1.72	0.66	1.53	2.15	1.58	1.84	1.44	1.62	0.90	0.67	0.53	0.50	
29	0.87	0.63	1.31	2.59	1.50	2.04	1.36	1.55	0.89	0.66	0.53	0.49	
30	0.70	0.60	1.38	2.34	1.56	2.06	1.24	1.49	0.88	0.64		0.56	
31		0.60		2.18	1.55		1.21		0.88	0.63		0.50	
MEAN	0.62	0.81	1.35	2.74	2.04	2.43	1.67	1.66	1.12	0.76	0.58	0.62	
MAX	1.72	1.22	2.86	4.63	4.23	3.85	3.26	3.68	1.43	0.90	0.66	0.93	4.63
MIN	0.43	0.60	0.56	1.20	1.50	1.44	1.17	1.13	0.88	0.63	0.50	0.48	0.43

ANNUAL MAX MOMENTARY GAGE HEIGHT — 4.64 M (A.D.), AT 18.00 HOURS, ON JUL 9, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED — 0.25 M (A.D.)

LEFT BANK ELEVATION — 6.70 M (A.D.)

RIGHT BANK ELEVATION — 7.62 M (A.D.), DRAINAGE AREA — 152 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	0.34	0.30	1.57	4.71	2.22	11.19	1.50	2.16	0.76	0.34	0.15	
2	0.09	1.45	0.25	1.55	3.59	3.15	7.64	1.45	2.04	0.74	0.34	0.15	
3	0.12	1.20	0.24	1.89	3.63	4.31	6.90	1.40	1.89	0.70	0.33	0.16	
4	0.07	1.60	1.30	2.25	3.55	4.84	6.60	1.37	1.86	0.68	0.33	0.15	
5	0.10	0.68	0.70	3.03	3.03	15.27	5.15	1.47	1.80	0.66	0.33	0.21	
6	0.09	0.66	0.45	5.65	3.19	12.42	4.43	1.40	2.10	0.80	0.33	0.64	
7	0.09	0.57	0.43	14.15	2.91	6.30	4.23	1.55	2.19	0.78	0.33	0.87	
8	0.04	0.37	0.60	17.41	2.57	4.88	3.79	1.45	1.80	0.76	0.34	0.51	
9	0.24	0.45	1.30	21.42	5.80	4.59	3.23	2.13	1.67	0.70	0.34	0.62	
10	0.21	0.80	1.50	21.88	10.34	7.75	2.91	2.64	1.57	0.66	0.33	0.39	
11	0.18	1.00	1.02	17.09	16.13	5.15	2.71	1.92	1.50	0.62	0.30	0.28	
12	0.10	0.51	0.60	12.10	18.30	9.73	2.61	1.52	1.45	0.57	0.27	0.22	
13	0.07	1.60	0.49	15.05	12.36	8.35	2.54	1.70	1.45	0.55	0.18	0.24	
14	0.07	0.90	0.48	10.15	5.35	11.51	2.43	2.13	1.35	0.54	0.25	0.27	
15	0.07	0.52	1.05	11.45	4.23	6.90	2.28	2.19	1.40	0.52	0.25	0.12	
16	0.12	0.55	1.20	6.80	3.79	10.41	2.16	1.67	1.35	0.51	0.15	0.58	
17	0.24	0.34	6.65	13.52	3.19	13.73	2.04	6.40	1.25	0.48	0.39	0.74	
18	0.19	0.34	8.71	10.09	2.87	12.89	2.28	6.00	1.17	0.48	0.15	0.39	
19	0.15	0.34	8.53	6.50	2.83	6.60	2.54	3.47	1.12	0.48	0.25	0.28	
20	0.13	0.31	8.59	9.37	3.23	5.06	2.19	2.68	1.10	0.45	0.27	0.58	
21	0.13	0.40	7.20	6.35	5.11	4.51	1.98	5.20	1.05	0.45	0.25	0.54	
22	0.12	0.57	4.75	4.63	4.19	3.91	1.80	14.01	1.05	0.45	0.16	0.36	
23	0.18	1.55	1.30	7.58	4.59	5.85	1.47	10.34	1.00	0.49	0.21	0.30	
24	0.21	1.32	1.83	11.12	4.27	4.47	1.65	6.30	0.95	0.49	0.22	0.24	
25	0.57	0.62	1.72	6.80	3.15	3.67	1.67	4.15	0.85	0.43	0.21	0.22	
26	1.22	0.64	1.92	5.30	2.50	4.47	1.80	3.35	0.82	0.42	0.21	0.21	
27	3.03	0.46	4.47	4.67	2.91	4.93	3.27	2.99	0.90	0.43	0.18	0.16	
28	3.23	0.39	2.50	4.97	2.68	3.71	2.22	2.83	0.80	0.40	0.19	0.15	
29	0.74	0.34	1.83	7.15	2.40	4.51	1.98	2.57	0.78	0.39	0.19	0.13	
30	0.45	0.30	2.04	5.90	2.61	4.59	1.65	2.37	0.76	0.36		0.24	
31		0.30		5.11	2.57		1.57		0.76	0.34		0.15	
TOTAL	12.32	21.42	73.95	272.50	152.58	200.68	100.91	100.15	41.94	17.09	7.62	10.27	1011.43 CMSDAY
MEAN	0.41	0.69	2.46	8.79	4.92	6.69	3.26	3.34	1.35	0.55	0.26	0.33	2.76 CMS
MAX	3.23	1.60	8.71	21.88	18.30	15.27	11.19	14.01	2.19	0.80	0.39	0.87	21.88 CMS
MIN	0.04	0.30	0.24	1.55	2.40	2.22	1.47	1.37	0.76	0.34	0.15	0.12	0.04 CMS
RUNOFF	1.064	1.851	6.389	23.544	13.183	17.339	8.719	8.653	3.624	1.477	0.658	0.887	87.387 MCM

MOMENTARY PEAK 21.98 CMS, AT 4.64 M (A.D), AT 18.00 HOURS, ON JUL 9, 1979

RUNOFF YIELD 18.18 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 144.61 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG MAI SIAP AT BAN MAI SIAP, NAKHON SI THAMMARAT (X.105)

LOCATION — LAT. 7°51'01" N., LONG. 99°55'53" E., ON LEFT BANK AT THE BRIDGE OF NAKHON SI THAMMARAT-PHATTHALUNG HIGHWAY, AT BAN MAI SIAP, AMPHOE CHA-UAT, NAKHON SI THAMMARAT.

DRAINAGE AREA — 155 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK ABOUT 10 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +7.705 M. (A.D.)

GAGE READING FREQUENCY — 13-TIME DAILY READINGS AT 06.00-18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 13 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1979 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1979 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 174 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

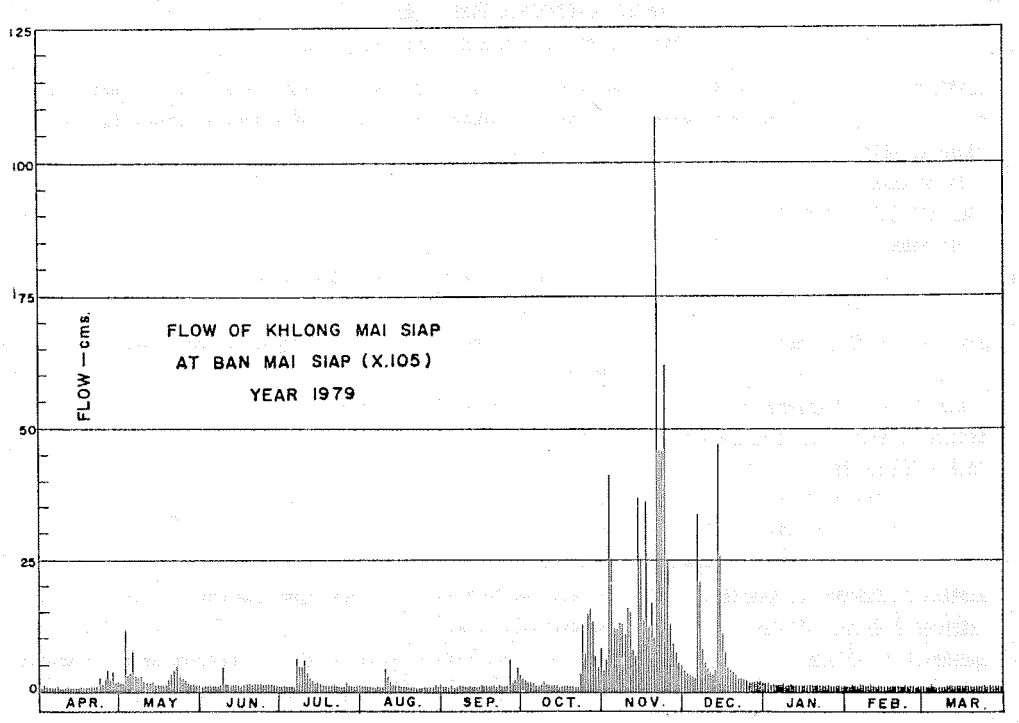
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.84	1.01	0.91	0.90	0.89	0.83	1.09	1.27	1.26	0.98	0.88	0.84	
2	0.84	0.98	0.90	0.89	0.88	0.88	1.05	1.42	1.20	0.98	0.88	0.84	
3	0.84	1.78	0.90	0.90	0.86	0.89	1.00	2.86	1.17	0.97	0.88	0.86	
4	0.84	1.14	0.90	0.90	0.86	0.87	0.98	2.47	1.14	0.96	0.88	0.86	
5	0.84	1.22	0.89	0.89	0.85	0.87	0.97	1.75	1.13	0.95	0.88	0.86	
6	0.84	1.54	0.90	0.91	0.87	0.86	0.95	1.75	2.63	0.95	0.88	0.87	
7	0.89	1.14	0.89	1.45	0.86	0.85	0.94	1.83	1.87	0.98	0.87	0.87	
8	0.86	1.07	0.89	1.32	0.85	0.85	0.97	1.83	1.51	0.95	0.87	0.88	
9	0.86	1.15	1.32	1.34	0.81	0.85	1.02	1.70	1.36	0.95	0.87	0.88	
10	0.86	1.01	0.94	1.41	1.30	0.85	0.96	1.96	1.27	0.94	0.87	0.88	
11	0.86	1.00	0.98	1.20	1.05	0.85	0.95	1.93	1.20	0.94	0.87	0.87	
12	0.86	1.02	0.95	1.11	0.99	0.85	0.94	1.58	1.21	0.94	0.87	0.87	
13	0.88	0.99	0.93	1.04	0.97	0.87	0.93	1.52	1.31	0.94	0.86	0.87	
14	0.88	0.97	0.94	1.00	0.91	0.93	0.90	2.95	3.00	0.93	0.86	0.87	
15	0.88	0.95	0.95	0.99	0.90	0.95	0.89	2.63	2.16	0.93	0.86	0.87	
16	0.86	0.93	0.95	0.96	0.89	0.93	0.88	2.02	1.65	0.93	0.86	0.87	
17	0.86	0.93	1.00	0.96	0.88	0.91	0.87	2.90	1.45	0.92	0.86	0.87	
18	0.85	0.92	0.99	0.94	0.87	0.89	0.87	2.03	1.29	0.92	0.86	0.87	
19	0.85	0.92	0.97	0.94	0.86	0.91	0.88	2.26	1.24	0.91	0.86	0.87	
20	0.85	1.21	0.95	0.94	0.85	0.88	0.88	1.92	1.18	0.91	0.86	0.87	
21	0.84	1.22	0.97	0.91	0.85	0.89	0.89	4.33	1.14	0.91	0.85	0.86	
22	0.84	1.29	0.99	0.89	0.85	0.90	0.89	3.17	1.10	0.91	0.85	0.86	
23	1.14	1.19	0.95	0.88	0.85	0.91	1.14	2.98	1.08	0.91	0.85	0.86	
24	0.93	1.12	0.93	0.88	0.85	0.88	1.83	3.37	1.06	0.90	0.85	0.85	
25	1.08	1.05	0.92	0.87	0.85	0.88	1.48	2.23	1.04	0.90	0.85	0.85	
26	1.23	1.00	0.92	1.02	0.85	1.43	1.92	1.81	1.04	0.90	0.84	0.84	
27	1.01	0.94	0.94	0.91	0.87	1.07	1.96	1.61	1.04	0.89	0.84	0.84	
28	1.26	0.95	0.92	0.91	0.89	1.02	1.82	1.47	1.03	0.89	0.84	0.84	
29	1.03	0.94	0.91	0.90	0.92	1.31	1.44	1.38	1.01	0.89	0.84	0.83	
30	1.01	0.93	0.90	0.89	0.88	1.17	1.27	1.31	0.99	0.87		0.83	
31		0.92		0.90	0.93		1.55		0.98	0.89		0.83	
MEAN	0.92	1.08	0.95	1.00	0.90	0.93	1.13	2.14	1.35	0.93	0.86	0.86	
MAX	1.26	1.78	1.32	1.45	1.30	1.43	1.96	4.33	3.00	0.98	0.88	0.88	4.33
MIN	0.84	0.92	0.89	0.87	0.81	0.83	0.87	1.27	0.98	0.87	0.84	0.83	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT — 4.54 M (A.D.), AT 11.00 HOURS, ON NOV 21, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D.), RIVER BED — 0.39 M (A.D.)

LEFT BANK ELEVATION — 6.87 M (A.D.)

RIGHT BANK ELEVATION — 5.04 M (A.D.), DRAINAGE AREA — 155 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	1.68	1.06	1.00	0.95	0.65	2.32	4.33	4.20	1.48	0.90	0.70	
2	0.70	1.48	1.00	0.95	0.90	0.90	2.00	6.33	3.40	1.48	0.90	0.70	
3	0.70	12.40	1.00	1.00	0.80	0.95	1.60	41.44	3.10	1.42	0.90	0.80	
4	0.70	2.80	1.00	1.00	0.80	0.85	1.48	28.90	2.80	1.36	0.90	0.80	
5	0.70	3.67	0.95	0.95	0.75	0.85	1.42	11.80	2.70	1.30	0.90	0.80	
6	0.70	8.04	1.00	1.06	0.85	0.80	1.30	11.80	33.76	1.30	0.90	0.85	
7	0.95	2.80	0.95	6.73	0.80	0.75	1.24	13.40	14.20	1.48	0.85	0.85	
8	0.80	2.16	0.95	5.00	0.75	0.75	1.42	13.40	7.56	1.30	0.85	0.90	
9	0.80	2.90	5.00	5.27	0.55	0.75	1.76	10.80	5.53	1.30	0.85	0.90	
10	0.80	1.68	1.24	6.20	4.73	0.75	1.36	16.00	4.33	1.24	0.85	0.90	
11	0.80	1.60	1.48	3.40	2.00	0.75	1.30	15.40	3.40	1.24	0.85	0.85	
12	0.80	1.76	1.30	2.50	1.54	0.75	1.24	8.68	3.53	1.24	0.85	0.85	
13	0.90	1.54	1.18	1.92	1.42	0.85	1.18	3.94	4.87	1.24	0.80	0.85	
14	0.90	1.42	1.24	1.60	1.06	1.18	1.00	37.40	46.60	1.18	0.80	0.85	
15	0.90	1.30	1.30	1.54	1.00	1.30	0.95	27.27	20.64	1.18	0.80	0.85	
16	0.80	1.18	1.30	1.36	0.95	1.18	0.90	12.12	9.90	1.18	0.80	0.85	
17	0.80	1.18	1.60	1.36	0.90	1.06	0.85	35.60	6.73	1.12	0.80	0.85	
18	0.75	1.12	1.54	1.24	0.85	0.95	0.85	12.33	4.60	1.12	0.80	0.85	
19	0.75	1.12	1.42	1.24	0.80	1.06	0.90	17.44	3.93	1.06	0.80	0.85	
20	0.75	3.53	1.30	1.24	0.75	0.90	0.90	10.18	3.20	1.06	0.80	0.85	
21	0.70	3.67	1.42	1.06	0.75	0.95	0.95	108.98	2.80	1.06	0.75	0.80	
22	0.70	4.60	1.54	0.95	0.75	1.00	0.95	45.70	2.40	1.06	0.75	0.80	
23	2.80	3.30	1.30	0.90	0.75	1.06	2.80	45.84	2.24	1.06	0.75	0.80	
24	1.18	2.60	1.18	0.90	0.75	0.90	13.40	61.54	2.08	1.00	0.75	0.75	
25	2.24	2.00	1.12	0.85	0.75	0.90	7.13	22.38	1.92	1.00	0.75	0.75	
26	3.80	1.60	1.12	1.76	0.75	6.47	15.20	13.00	1.92	1.00	0.70	0.70	
27	1.68	1.24	1.24	1.06	0.85	2.16	16.00	9.18	1.92	0.95	0.70	0.70	
28	4.20	1.30	1.12	1.06	0.95	1.76	13.20	7.00	1.84	0.95	0.70	0.70	
29	1.84	1.24	1.06	1.00	1.12	4.87	6.60	5.80	1.68	0.95	0.70	0.65	
30	1.68	1.18	1.00	0.95	0.90	3.10	4.33	4.87	1.54	0.85		0.65	
31		1.12		1.00	1.18		8.20		1.48	0.95		0.65	
TOTAL	36.52	79.21	39.91	58.05	32.65	41.15	114.73	662.85	210.80	36.11	23.45	24.65	1360.08 CMSDAY
MEAN	1.22	2.56	1.33	1.87	1.05	1.37	3.70	22.09	6.80	1.16	0.81	0.80	3.72 CMS
MAX	4.20	12.40	5.00	6.73	4.73	6.47	16.00	108.98	46.60	1.48	0.90	0.90	108.98 CMS
MIN	0.70	1.12	0.95	0.85	0.55	0.65	0.85	3.94	1.48	0.85	0.70	0.65	0.55 CMS
RUNOFF	3.155	6.844	3.448	5.016	2.821	3.555	9.913	57.270	18.213	3.120	2.026	2.130	117.511 MCM

MOMENTARY PEAK 122.80 CMS, AT 4.54 M (A.D), AT 11.00 HOURS, ON NOV 21, 1979

RUNOFF YIELD 23.97 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 792.26 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG THA KHAE AT BAN THA KHAE, PHATTHALUNG (X.68)

LOCATION — LAT. 7°34'01" N., LONG. 100°03'05" E., ON LEFT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, TAMBON THA KHAE, AMPHOE MUANG, PHATTHALUNG.

DRAINAGE AREA — 298 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON RIGHT BANK ABOUT 15 METERS FROM THE BRIDGE.

ELEVATION — +4.659 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1972

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1972

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 238 DISCHARGE MEASUREMENTS MADE DURING 1967-1972.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

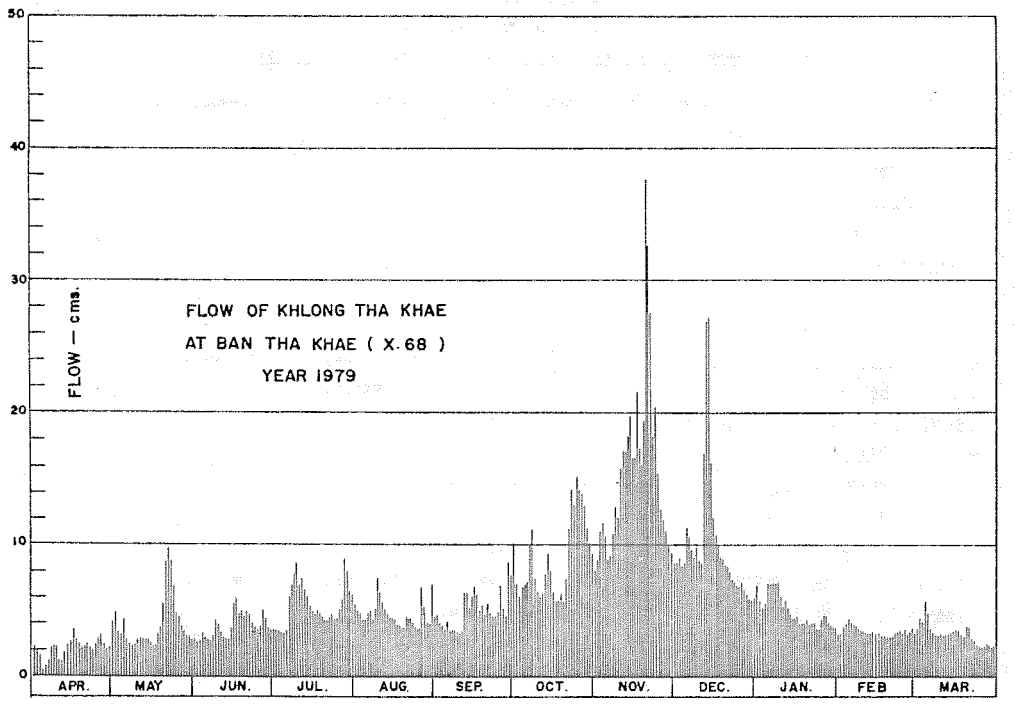
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.75	1.02	0.80	0.90	1.10	1.01	1.47	1.32	1.37	1.24	0.87	0.87	
2	0.72	1.04	0.79	0.88	1.06	1.02	1.23	1.38	1.37	1.13	0.87	0.90	
3	0.63	0.88	0.81	0.89	1.02	0.95	1.16	1.55	1.40	1.10	0.94	0.99	
4	0.41	0.84	0.87	0.88	0.98	0.94	1.22	1.59	1.36	1.08	0.96	0.96	
5	0.41	0.97	0.82	0.88	0.97	1.01	1.24	1.51	1.37	1.08	0.98	1.12	
6	0.53	0.82	0.80	0.90	1.02	0.96	1.26	1.39	1.56	1.14	0.96	1.02	
7	0.74	0.77	0.79	1.16	1.05	0.91	1.48	1.41	1.50	1.25	0.94	0.89	
8	0.74	0.74	0.83	1.24	0.98	0.90	1.53	1.54	1.40	1.25	0.93	0.86	
9	0.74	0.74	0.98	1.32	1.06	0.88	1.27	1.67	1.48	1.25	0.90	0.84	
10	0.68	0.81	0.94	1.37	1.29	0.87	1.20	1.62	1.40	1.16	0.89	0.86	
11	0.56	0.82	0.88	1.24	1.18	0.89	1.16	1.85	1.36	1.08	0.87	0.85	
12	0.60	0.83	0.83	1.28	1.08	1.18	1.18	1.92	1.91	1.12	0.87	0.84	
13	0.75	0.82	0.82	1.20	1.04	1.18	1.30	1.92	2.12	1.07	0.86	0.85	
14	0.75	0.81	0.81	1.16	1.01	1.05	1.43	2.06	2.44	1.02	0.87	0.88	
15	0.80	0.77	0.92	1.08	0.99	1.16	1.31	1.89	1.86	1.00	0.87	0.87	
16	0.90	0.74	1.11	1.04	0.98	1.21	1.19	1.89	1.62	1.01	0.87	0.89	
17	0.81	0.73	1.13	1.01	0.95	1.15	1.12	2.15	1.52	0.97	0.86	0.89	
18	0.76	0.86	1.03	1.04	0.94	1.05	1.13	1.92	1.45	0.95	0.84	0.87	
19	0.72	0.92	1.06	1.01	0.93	1.09	1.19	1.86	1.39	0.96	0.83	0.82	
20	0.74	1.09	1.01	0.99	0.93	1.01	1.11	2.05	1.36	0.99	0.83	0.93	
21	0.76	1.37	1.04	0.97	1.00	1.10	1.28	2.86	1.35	0.95	0.86	0.93	
22	0.71	1.49	1.02	1.00	1.00	1.03	1.56	2.45	1.32	0.95	0.87	0.82	
23	0.69	1.37	0.96	1.03	0.96	1.01	1.75	1.98	1.27	0.96	0.88	0.81	
24	0.76	1.20	0.92	0.98	0.93	0.99	1.72	2.10	1.25	0.92	0.88	0.74	
25	0.82	1.02	0.91	0.98	0.91	1.04	1.82	1.82	1.22	0.91	0.86	0.73	
26	0.86	0.99	0.91	1.07	0.92	1.23	1.75	1.66	1.25	0.98	0.91	0.71	
27	0.77	0.92	1.06	1.12	1.22	1.05	1.73	1.60	1.21	1.02	0.86	0.74	
28	0.74	0.88	1.00	1.41	1.08	1.00	1.67	1.54	1.19	1.02	0.89	0.77	
29	0.70	0.85	0.92	1.33	0.97	1.37	1.55	1.47	1.15	0.96	0.91	0.74	
30	0.78	0.82	0.90	1.20	0.95	1.30	1.49	1.43	1.13	0.94		0.71	
31		0.81		1.15	1.23		1.43		1.14	0.92		0.75	
MEAN	0.71	0.93	0.92	1.09	1.02	1.05	1.38	1.78	1.44	1.04	0.89	0.85	
MAX	0.90	1.49	1.13	1.41	1.29	1.37	1.82	2.86	2.44	1.25	0.98	1.12	2.86
MIN	0.41	0.73	0.79	0.88	0.91	0.87	1.11	1.32	1.13	0.91	0.83	0.71	0.41

ANNUAL MAX MOMENTARY GAGE HEIGHT — 2.99 M (A.D), AT 6.00 HOURS, ON NOV 21, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED -0.69 M (A.D)

LEFT BANK ELEVATION — 5.62 M (A.D)

RIGHT BANK ELEVATION — 5.47 M (A.D), DRAINAGE AREA 298 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.35	4.60	2.70	3.50	5.40	4.50	9.81	7.86	8.51	6.88	3.26	3.26	
2	2.14	4.80	2.63	3.34	5.00	4.60	6.76	8.64	8.51	5.70	3.26	3.50	
3	1.51	3.34	2.78	3.42	4.60	3.95	6.00	10.95	8.90	5.40	3.86	4.31	
4	0.44	3.02	3.26	3.34	4.22	3.86	6.64	11.55	8.38	5.20	4.04	4.04	
5	0.44	4.13	2.86	3.34	4.13	4.50	6.88	10.35	8.51	5.20	4.22	5.60	
6	0.95	2.86	2.70	3.50	4.60	4.04	7.12	8.77	11.10	5.80	4.04	4.60	
7	2.28	2.49	2.63	6.00	4.90	3.59	9.94	9.03	10.20	7.00	3.86	3.42	
8	2.28	2.28	2.94	6.88	4.22	3.50	10.65	10.80	8.90	7.00	3.77	3.18	
9	2.28	2.28	4.22	7.86	5.00	3.34	7.24	12.75	9.94	7.00	3.50	3.02	
10	1.86	2.78	3.86	8.51	7.46	3.26	6.40	12.00	8.90	6.00	3.42	3.18	
11	1.10	2.86	3.34	6.88	6.20	3.42	6.00	15.75	9.38	5.20	3.26	3.10	
12	1.30	2.94	2.94	7.36	5.20	6.20	6.20	16.96	16.78	5.60	3.26	3.02	
13	2.35	2.86	2.86	6.40	4.80	6.20	7.60	16.96	20.68	5.10	3.18	3.10	
14	2.35	2.78	2.78	6.00	4.50	4.90	9.29	19.54	27.18	4.60	3.26	3.34	
15	2.70	2.49	3.68	5.20	4.31	6.00	7.73	16.43	15.92	4.40	3.26	3.26	
16	3.50	2.28	5.50	4.80	4.22	6.52	6.30	16.43	12.00	4.50	3.26	3.42	
17	2.78	2.21	5.70	4.50	3.95	5.90	5.60	21.25	10.50	4.13	3.18	3.42	
18	2.42	3.18	4.70	4.80	3.86	4.90	5.70	16.96	9.55	3.95	3.02	3.26	
19	2.14	3.68	5.00	4.50	3.77	5.30	6.30	15.92	8.77	4.04	2.94	2.86	
20	2.28	5.30	4.50	4.31	3.77	4.50	5.50	19.35	8.38	4.31	2.94	3.77	
21	2.42	8.51	4.80	4.13	4.40	5.40	7.36	37.42	8.25	3.95	3.18	3.77	
22	2.07	10.07	4.60	4.40	4.40	4.70	11.10	27.40	7.86	3.95	3.26	2.86	
23	1.93	8.51	4.04	4.70	4.04	4.50	14.05	18.04	7.24	4.04	3.34	2.78	
24	2.42	6.40	3.68	4.22	3.77	4.31	13.54	20.30	7.00	3.68	3.34	2.28	
25	2.86	4.60	3.59	4.22	3.59	4.80	15.24	15.24	6.64	3.59	3.18	2.21	
26	3.18	4.31	3.59	5.10	3.68	6.76	14.05	12.60	7.00	4.22	3.59	2.07	
27	2.49	3.68	5.00	5.60	6.64	4.90	13.71	11.70	6.52	4.60	3.18	2.28	
28	2.28	3.34	4.40	9.03	5.20	4.40	12.75	10.80	6.30	4.60	3.42	2.49	
29	2.00	3.10	3.68	7.99	4.13	8.51	10.95	9.81	5.90	4.04	3.59	2.28	
30	2.56	2.86	3.50	6.40	3.95	7.60	10.07	9.29	5.70	3.86		2.07	
31		2.78		5.90	6.76		9.29		5.80	3.68		2.35	
TOTAL	63.66	121.32	112.46	166.13	144.69	148.86	275.77	450.85	304.20	151.22	98.87	98.10	2136.13 CMSDAY
MEAN	2.12	3.91	3.75	5.36	4.67	4.96	8.90	15.03	9.81	4.88	3.41	3.16	5.84 CMS
MAX	3.50	10.07	5.70	9.03	7.48	8.51	15.24	37.42	27.18	7.00	4.22	5.60	37.42 CMS
MIN	0.44	2.21	2.63	3.34	3.59	3.26	5.50	7.86	5.70	3.59	2.94	2.07	0.44 CMS
RUNOFF	5.500	10.482	9.717	14.354	12.501	12.861	23.826	38.953	26.283	13.065	8.542	8.476	184.561 MCM

MOMENTARY PEAK 40.93 CMS, AT 2.99 M (A.D), AT 6.00 HOURS, ON NOV 21, 1979

RUNOFF YIELD 19.59 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 137.35 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

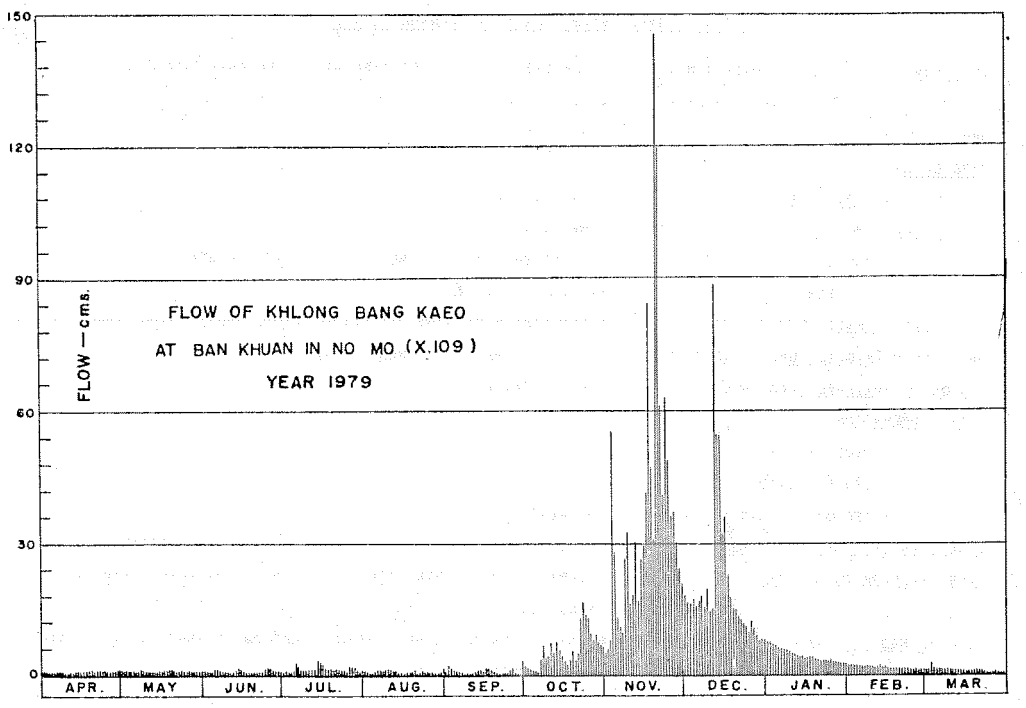
KHLONG BANG KAEO AT BAN KHUAN IN NO MO, PHATTHALUNG (X.109)

LOCATION	LAT. 7°-20'-36" N., LONG. 100°-03'-33" E., AT BAN KHUAN IN NOMO, AMPHOE KHAO CHAI SON, PHATTHALUNG.
DRAINAGE AREA	133 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	-
LOCATION	-
ELEVATION	-
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 116 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.82	0.90	0.86	0.86	0.86	0.85	1.00	1.27	1.90	1.40	1.02	0.87	
2	0.82	0.85	0.87	0.86	0.85	0.98	0.91	1.44	1.84	1.42	1.01	0.88	
3	0.82	0.85	0.86	0.87	0.84	0.94	0.87	3.01	1.87	1.37	1.00	1.03	
4	0.83	0.85	0.86	0.90	0.84	0.88	0.85	2.23	1.91	1.35	1.00	0.91	
5	0.84	0.85	0.90	0.89	0.91	0.83	0.84	1.79	1.84	1.33	0.99	0.92	
6	0.84	0.85	0.92	1.09	0.92	0.80	0.80	1.62	1.89	1.31	0.98	0.89	
7	0.84	0.88	0.88	0.98	0.93	0.80	1.19	1.59	1.92	1.30	0.97	0.88	
8	0.84	0.93	0.86	0.91	0.88	0.82	1.36	2.25	1.81	1.29	0.97	0.87	
9	0.84	0.90	0.88	0.88	0.92	0.83	1.15	2.43	1.99	1.28	0.96	0.86	
10	0.84	0.86	0.88	0.92	0.90	0.81	1.24	1.85	1.80	1.25	0.95	0.85	
11	0.84	0.86	0.87	0.90	0.89	0.81	1.36	1.96	1.73	1.22	0.94	0.85	
12	0.84	0.87	0.86	0.98	0.88	0.83	1.26	2.36	4.39	1.21	0.94	0.85	
13	0.84	0.86	0.88	0.90	0.86	0.86	1.41	1.86	3.44	1.20	0.94	0.84	
14	0.84	0.86	0.96	1.18	0.84	0.92	1.25	2.25	3.46	1.19	0.93	0.84	
15	0.85	0.86	0.92	1.02	0.83	0.83	1.14	2.36	2.42	1.17	0.93	0.84	
16	0.86	0.88	0.88	0.97	0.82	1.00	1.08	2.58	2.53	1.17	0.92	0.84	
17	0.87	0.86	0.87	0.93	0.81	0.97	1.03	3.60	2.03	1.16	0.92	0.83	
18	0.88	0.86	0.88	0.91	0.81	0.90	1.12	2.80	1.92	1.14	0.91	0.83	
19	0.86	0.88	0.87	0.91	0.81	0.85	1.26	2.37	1.81	1.13	0.91	0.83	
20	0.85	0.90	0.87	0.88	0.90	0.84	1.15	4.59	1.76	1.12	0.91	0.87	
21	0.85	0.93	0.88	0.90	0.83	0.82	1.28	4.70	1.71	1.11	0.91	0.83	
22	0.86	0.88	0.88	0.89	0.86	0.81	1.79	3.56	1.65	1.10	0.90	0.83	
23	0.88	0.86	0.88	0.86	0.86	0.81	1.87	2.74	1.60	1.09	0.90	0.82	
24	0.90	0.86	0.90	0.85	0.81	0.81	1.74	3.76	1.58	1.08	0.90	0.82	
25	0.85	0.87	1.00	0.86	0.80	0.88	1.70	2.83	1.53	1.07	0.89	0.82	
26	0.86	0.88	0.94	0.88	0.80	0.97	1.49	2.53	1.66	1.06	0.89	0.81	
27	0.86	0.88	0.88	1.00	0.80	0.82	1.45	2.58	1.54	1.06	0.89	0.81	
28	0.88	0.88	0.92	0.98	0.80	0.83	1.54	2.32	1.46	1.05	0.88	0.83	
29	0.90	0.87	0.88	0.93	0.80	0.97	1.38	2.14	1.44	1.04	0.88	0.81	
30	0.92	0.86	0.87	0.92	0.80	1.09	1.37	1.99	1.43	1.03		0.81	
31		0.86		0.87	0.96		1.32		1.45	1.02		0.82	
MEAN	0.85	0.87	0.89	0.93	0.85	0.87	1.26	2.51	1.98	1.18	0.94	0.85	
MAX	0.92	0.93	1.00	1.18	0.96	1.09	1.87	4.70	4.39	1.42	1.02	1.03	4.70
MIN	0.82	0.85	0.86	0.85	0.80	0.80	0.80	1.27	1.43	1.02	0.88	0.81	0.80

ANNUAL MAX MOMENTARY GAGE HEIGHT 5.66 M (A.D), AT 18.00 HOURS, ON NOV 20, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.42 M (A.D)
LEFT BANK ELEVATION 8.42 M (A.D)
RIGHT BANK ELEVATION 8.28 M (A.D), DRAINAGE AREA 133 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.74	1.30	1.02	1.02	1.02	0.95	2.20	5.38	17.40	7.40	2.40	1.09	
2	0.74	0.95	1.09	1.02	0.95	2.02	1.39	8.04	15.96	7.72	2.30	1.16	
3	0.74	0.95	1.02	1.09	0.88	1.66	1.09	55.24	16.68	6.92	2.20	2.50	
4	0.81	0.95	1.02	1.30	0.88	1.16	0.95	35.68	17.65	6.60	2.20	1.39	
5	0.88	0.95	1.30	1.23	1.39	0.81	0.88	23.60	15.96	6.28	2.11	1.48	
6	0.88	0.95	1.48	3.10	1.48	0.60	0.60	15.20	17.16	5.96	2.02	1.23	
7	0.88	1.16	1.16	2.02	1.57	0.60	4.28	12.00	17.92	5.80	1.93	1.16	
8	0.88	1.57	1.02	1.39	1.16	0.74	6.76	36.00	15.24	5.66	1.93	1.09	
9	0.88	1.30	1.16	1.16	1.48	0.81	3.80	38.24	19.74	5.52	1.84	1.02	
10	0.88	1.02	1.16	1.48	1.30	0.67	4.96	25.80	15.00	5.10	1.75	0.95	
11	0.88	1.02	1.09	1.30	1.23	0.67	6.76	29.40	13.46	4.68	1.66	0.95	
12	0.88	1.09	1.02	2.02	1.16	0.81	5.24	37.52	89.91	4.54	1.66	0.95	
13	0.88	1.02	1.16	1.30	1.02	1.02	7.56	26.16	54.52	4.46	1.66	0.88	
14	0.88	1.02	1.84	4.16	0.88	1.48	5.10	36.10	54.98	4.28	1.57	0.88	
15	0.95	1.02	1.48	2.40	0.81	0.81	3.68	37.52	32.26	4.04	1.57	0.88	
16	1.02	1.16	1.16	1.93	0.74	2.20	3.00	39.44	35.95	4.04	1.48	0.88	
17	1.09	1.02	1.09	1.57	0.67	1.93	2.50	84.40	20.78	3.92	1.48	0.81	
18	1.16	1.02	1.16	1.39	0.67	1.30	3.44	46.10	17.92	3.68	1.39	0.81	
19	1.02	1.16	1.09	1.39	0.67	0.95	5.24	30.64	15.24	3.56	1.39	0.81	
20	0.95	1.30	1.09	1.16	1.30	0.88	3.80	143.96	14.12	3.44	1.39	1.09	
21	0.95	1.57	1.16	1.30	0.81	0.74	5.52	132.84	13.02	3.32	1.39	0.81	
22	1.02	1.16	1.16	1.23	1.02	0.67	14.78	57.40	11.80	3.20	1.30	0.81	
23	1.16	1.02	1.16	1.02	1.02	0.67	16.68	41.34	10.80	3.10	1.30	0.74	
24	1.30	1.02	1.30	0.95	0.67	0.67	13.68	62.74	10.44	3.00	1.30	0.74	
25	0.95	1.09	2.20	1.02	0.60	1.16	12.80	42.81	9.54	2.90	1.23	0.74	
26	1.02	1.16	1.66	1.16	0.60	1.93	8.84	35.95	12.00	2.80	1.23	0.67	
27	1.02	1.16	1.16	2.20	0.60	0.74	8.20	37.70	9.72	2.80	1.23	0.67	
28	1.16	1.16	1.48	2.02	0.60	0.81	9.72	29.04	8.36	2.70	1.16	0.81	
29	1.30	1.09	1.16	1.57	0.60	1.93	7.08	23.72	8.04	2.60	1.16	0.67	
30	1.48	1.02	1.09	1.48	0.60	3.10	6.92	19.74	7.88	2.50		0.67	
31		1.02		1.09	1.84		6.12		8.20	2.40		0.74	
TOTAL	29.38	34.40	37.14	48.47	30.22	34.49	183.57	1249.70	626.66	134.92	47.23	30.08	2486.26 CMSDAY
MEAN	0.98	1.11	1.24	1.56	0.97	1.15	5.92	41.66	20.21	4.35	1.63	0.97	6.79 CMS
MAX	1.48	1.57	2.20	4.16	1.84	3.10	16.68	143.96	89.91	7.72	2.40	2.50	143.96 CMS
MIN	0.74	0.95	1.02	0.95	0.60	0.60	0.60	5.38	7.88	2.40	1.16	0.67	0.60 CMS
RUNOFF	2.538	2.972	3.209	4.188	2.611	2.980	15.860	107.974	54.143	11.657	4.081	2.599	214.812 MCM

MOMENTARY PEAK 226.00 CMS, AT 5.66 M (A.D), AT 18.00 HOURS, ON NOV 20, 1979

RUNOFF YIELD 51.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1699.25 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG NA THAWI AT BAN PA KAN, SONGKHLA (X.42)

LOCATION — LAT. 6°41'13" N., LONG. 100°41'21" E., ON LEFT BANK AT BAN PA KAN, TAMBON THA PRADU, AMPHOE NA THAWI, SONGKHLA.

DRAINAGE AREA — 443 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK ABOUT 7 METERS FROM THE TOP STAFF GAGE.

ELEVATION — +7.013 M. (A.D.)

GAGE READING FREQUENCY — 3-TIME DAILY READINGS AT 06.00, 12.00 AND 18.00 HOURS.

BASIS OF MEAN DAILY GAGE HEIGHT — ARITHMETIC MEAN OF 3 READINGS.

PERIOD OF AVAILABLE GAGE RECORDS — 1965 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1976-1977

RATED BY FLOAT — -

RATED BY CURRENT METER — 1976-1977

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +6.58 M. (A.D.) AND IS INCLUDED.

GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 126 DISCHARGE MEASUREMENTS MADE IN 1977.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

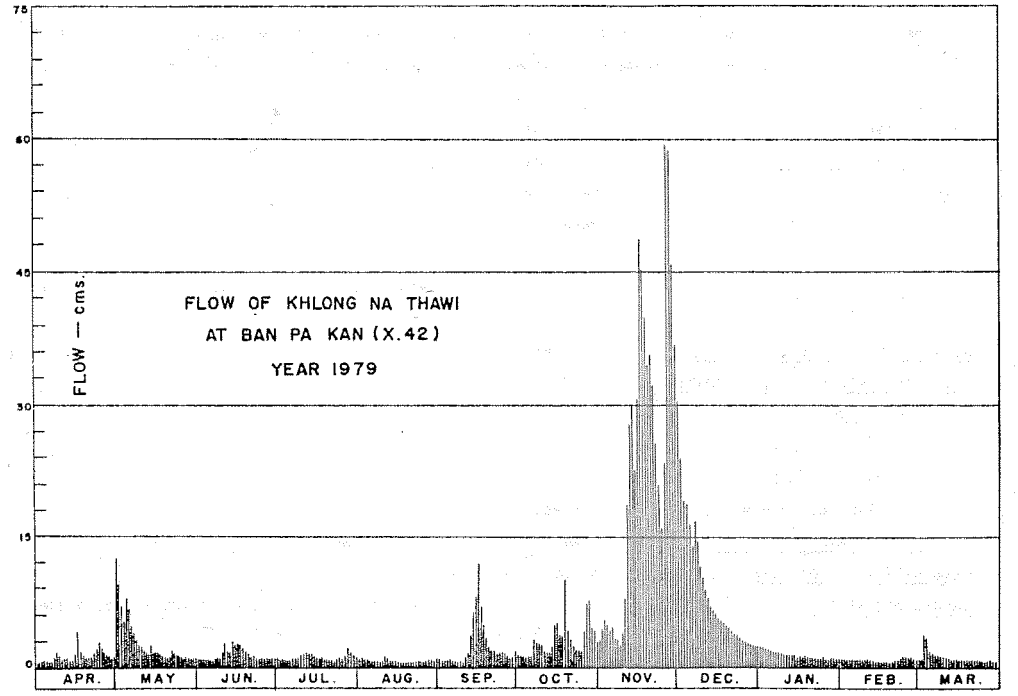
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.39	2.66	0.63	0.71	0.70	0.67	0.85	1.26	4.22	1.06	0.63	0.63	
2	0.47	2.23	0.63	0.66	0.65	0.63	0.79	1.51	3.65	1.04	0.62	0.79	
3	0.43	1.89	0.64	0.72	0.62	0.64	0.73	1.72	3.37	1.02	0.62	1.38	
4	0.42	1.70	0.62	0.67	0.60	0.67	0.70	1.58	3.34	0.99	0.62	1.19	
5	0.41	2.10	0.62	0.65	0.60	0.67	0.72	1.46	3.01	0.98	0.61	0.96	
6	0.45	1.80	0.60	0.68	0.58	0.61	0.80	1.53	2.79	0.95	0.60	0.85	
7	0.82	1.49	0.61	0.71	0.58	0.59	1.30	1.34	3.16	0.93	0.60	0.77	
8	0.85	1.32	0.64	0.74	0.61	0.55	1.17	1.28	2.87	0.92	0.59	0.80	
9	0.65	1.15	0.75	0.76	0.58	0.58	1.18	1.21	2.57	0.89	0.59	0.77	
10	0.55	1.14	1.16	0.77	0.58	0.65	1.09	1.76	2.36	0.87	0.58	0.71	
11	0.67	1.00	1.10	0.88	0.72	0.85	0.94	2.34	2.20	0.86	0.57	0.67	
12	0.64	0.91	0.93	0.90	0.68	1.04	0.84	4.00	2.06	0.84	0.57	0.66	
13	0.55	0.86	1.01	0.86	0.62	1.48	0.94	4.38	1.93	0.83	0.56	0.63	
14	0.52	1.16	1.30	0.85	0.59	1.90	1.18	3.68	1.86	0.82	0.56	0.62	
15	0.87	0.96	1.18	0.80	0.53	2.19	1.62	3.73	1.79	0.81	0.55	0.61	
16	1.46	0.92	1.22	0.74	0.51	2.57	1.54	4.84	1.72	0.79	0.55	0.60	
17	1.05	0.87	1.06	0.69	0.50	2.13	1.37	5.75	1.66	0.77	0.54	0.60	
18	0.84	0.80	1.00	0.65	0.49	1.53	1.40	5.45	1.59	0.77	0.54	0.59	
19	0.71	0.76	0.91	0.63	0.50	1.28	2.39	4.82	1.54	0.76	0.54	0.58	
20	0.64	0.76	0.85	0.62	0.49	1.13	1.50	4.69	1.49	0.74	0.53	0.64	
21	0.75	0.78	0.80	0.60	0.52	1.01	1.23	4.78	1.43	0.73	0.58	0.63	
22	0.80	0.99	0.74	0.59	0.52	0.93	1.10	4.52	1.38	0.73	0.67	0.63	
23	1.07	0.87	0.71	0.64	0.52	0.87	1.02	4.05	1.35	0.72	0.72	0.60	
24	1.24	0.82	0.68	0.74	0.52	0.97	0.97	3.51	1.30	0.71	0.78	0.57	
25	1.07	0.78	0.63	0.72	0.50	0.93	1.02	3.08	1.26	0.70	0.74	0.54	
26	0.90	0.74	0.68	0.75	0.50	0.85	1.58	3.61	1.22	0.69	0.69	0.54	
27	0.84	0.72	0.68	0.88	0.56	0.80	2.04	6.46	1.19	0.68	0.66	0.56	
28	0.74	0.71	0.66	1.04	0.68	0.77	2.07	6.42	1.17	0.67	0.66	0.55	
29	0.69	0.71	0.63	0.97	0.67	0.90	1.52	5.57	1.14	0.66	0.64	0.55	
30	0.87	0.67	0.66	0.82	0.60	0.95	1.46	4.81	1.12	0.65		0.54	
31		0.65		0.76	0.70		1.27		1.10	0.64		0.54	
MEAN	0.75	1.13	0.81	0.75	0.58	1.04	1.24	3.50	2.03	0.81	0.61	0.69	
MAX	1.46	2.66	1.30	1.04	0.72	2.57	2.39	6.46	4.22	1.06	0.78	1.38	6.46
MIN	0.39	0.65	0.60	0.59	0.49	0.55	0.70	1.21	1.10	0.64	0.53	0.54	0.39

ANNUAL MAX MOMENTARY GAGE HEIGHT — 6.68 M (A.D), AT 17.00 HOURS, ON NOV 27, 1979

ZERO GAGE AT BOTTOM ELEVATION — 0.00 M (A.D), RIVER BED — 0.04 M (A.D)

LEFT BANK ELEVATION — 6.57 M (A.D)

RIGHT BANK ELEVATION — 6.82 M (A.D), DRAINAGE AREA — 443 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.58	12.48	1.06	1.22	1.20	1.14	1.57	3.20	28.54	2.34	1.06	1.06	
2	0.74	9.04	1.06	1.12	1.10	1.06	1.38	4.45	22.15	2.26	1.04	1.38	
3	0.66	6.54	1.08	1.24	1.04	1.08	1.26	5.52	19.10	2.18	1.04	3.80	
4	0.64	5.40	1.04	1.14	1.00	1.14	1.20	4.80	18.80	2.06	1.04	2.86	
5	0.62	8.00	1.04	1.10	1.00	1.14	1.24	4.20	15.50	2.03	1.02	1.96	
6	0.70	6.00	1.00	1.16	0.96	1.02	1.40	4.55	13.52	1.92	1.00	1.57	
7	1.47	4.35	1.02	1.22	0.96	0.98	3.40	3.60	17.00	1.85	1.00	1.34	
8	1.57	3.50	1.08	1.28	1.02	0.90	2.78	3.30	14.16	1.82	0.98	1.40	
9	1.10	2.70	1.30	1.32	0.96	0.96	2.82	2.95	11.76	1.71	0.98	1.34	
10	0.90	2.66	2.74	1.34	0.96	1.10	2.46	5.76	10.08	1.64	0.96	1.22	
11	1.14	2.10	2.50	1.68	1.24	1.57	1.89	9.92	8.80	1.61	0.94	1.14	
12	1.08	1.78	1.85	1.75	1.16	2.26	1.54	26.00	7.72	1.54	0.94	1.12	
13	0.90	1.61	2.14	1.61	1.04	4.30	1.89	30.46	6.81	1.50	0.92	1.06	
14	0.84	2.74	3.40	1.57	0.98	6.60	2.82	22.48	6.36	1.47	0.92	1.04	
15	1.64	1.96	2.82	1.40	0.86	8.72	5.00	23.03	5.94	1.43	0.90	1.02	
16	4.20	1.82	3.00	1.28	0.82	11.76	5.10	36.42	5.52	1.38	0.90	1.00	
17	2.30	1.64	2.34	1.18	0.80	8.24	3.75	48.25	5.20	1.34	0.88	1.00	
18	1.54	1.40	2.10	1.10	0.78	4.55	3.90	44.35	4.85	1.34	0.88	0.98	
19	1.22	1.32	1.78	1.06	0.80	3.30	10.32	36.16	4.60	1.32	0.88	0.96	
20	1.08	1.32	1.57	1.04	0.78	2.62	4.40	34.47	4.35	1.28	0.86	1.08	
21	1.30	1.36	1.40	1.00	0.84	2.14	3.05	35.64	4.05	1.26	0.96	1.06	
22	1.40	2.06	1.28	0.98	0.84	1.85	2.50	32.26	3.80	1.26	1.14	1.06	
23	2.38	1.64	1.22	1.08	0.84	1.64	2.18	26.55	3.65	1.24	1.24	1.00	
24	3.10	1.47	1.16	1.28	0.84	1.99	1.99	20.61	3.40	1.22	1.36	0.94	
25	2.38	1.36	1.06	1.24	0.80	1.85	2.18	16.20	3.20	1.20	1.28	0.88	
26	1.75	1.28	1.16	1.30	0.80	1.57	4.80	21.71	3.00	1.18	1.18	0.88	
27	1.54	1.24	1.16	1.68	0.92	1.40	7.58	59.20	2.86	1.16	1.12	0.92	
28	1.28	1.22	1.12	2.26	1.16	1.34	7.79	58.40	2.78	1.14	1.12	0.90	
29	1.18	1.22	1.06	1.99	1.14	1.75	4.50	45.91	2.66	1.12	1.08	0.90	
30	1.64	1.14	1.12	1.47	1.00	1.92	4.20	36.03	2.58	1.10		0.88	
31		1.10		1.32	1.20		3.25		2.50	1.08		0.88	
TOTAL	42.87	93.45	47.66	41.41	29.84	81.89	104.14	706.38	265.24	46.98	29.62	38.63	1528.11 CMSDAY
MEAN	1.43	3.01	1.59	1.34	0.96	2.73	3.36	23.55	8.56	1.52	1.02	1.25	4.18 CMS
MAX	4.20	12.48	3.40	2.26	1.24	11.76	10.32	59.20	28.54	2.34	1.36	3.80	59.20 CMS
MIN	0.58	1.10	1.00	0.98	0.78	0.90	1.20	2.95	2.50	1.08	0.86	0.88	0.58 CMS
RUNOFF	3.704	8.074	4.118	3.578	2.578	7.075	8.998	61.031	22.917	4.059	2.559	3.338	132.028 MCM

MOMENTARY PEAK 63.60 CMS, AT 6.68 M (A.D), AT 17.00 HOURS, ON NOV 27, 1979

RUNOFF YIELD 9.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 143.57 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

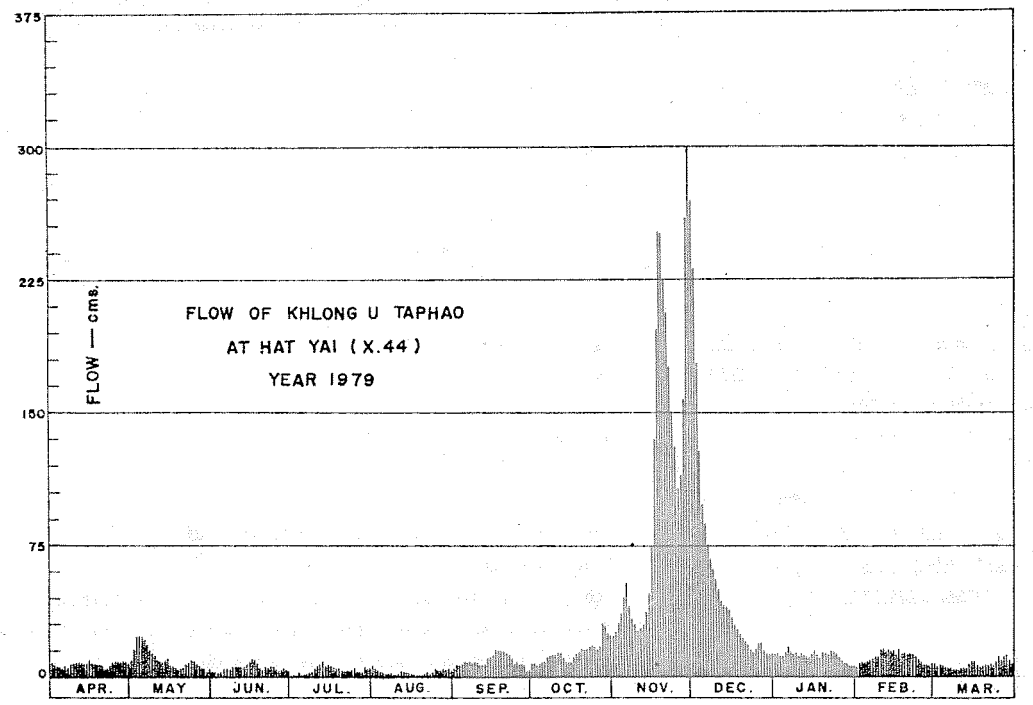
KHLONG U TAPHAO AT HAT YAI, SONGKHLA (X.44)

LOCATION	LAT. 7°-00'-02" N., LONG. 100°-27'-32" E., ON LEFT BANK UPSTREAM SIDE OF THE CONCRETE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,740 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	NEAR THE GAGE SITE.
ELEVATION	+6.582 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 132 DISCHARGE MEASUREMENTS MADE DURING 1967-1972.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.96	1.08	0.75	0.67	0.93	0.91	1.01	1.50	5.60	1.20	0.92	0.99	
2	0.90	1.29	0.76	0.67	0.86	0.98	0.98	1.59	4.79	1.22	1.02	0.89	
3	0.90	1.49	0.70	0.71	0.78	0.98	0.97	1.77	4.07	1.16	1.02	0.93	
4	0.94	1.52	0.78	0.74	0.74	1.00	1.01	1.90	3.51	1.13	1.01	0.92	
5	0.94	1.48	0.79	0.69	0.73	1.06	1.01	2.20	3.13	1.19	1.07	0.91	
6	0.93	1.46	0.89	0.66	0.68	1.03	1.11	2.27	2.86	1.34	1.08	0.92	
7	0.88	1.37	0.87	0.73	0.72	1.05	1.19	1.95	2.62	1.22	1.11	0.86	
8	0.95	1.26	0.85	0.75	0.74	1.01	1.19	1.78	2.48	1.20	1.17	0.83	
9	0.98	1.20	0.88	0.79	0.70	1.02	1.20	1.73	2.40	1.18	1.12	0.81	
10	1.00	1.16	0.88	0.91	0.66	0.98	1.19	1.61	2.27	1.14	1.27	0.79	
11	1.02	1.05	0.88	0.96	0.74	0.96	1.26	1.60	2.10	1.21	1.32	0.82	
12	0.99	1.03	0.92	0.99	0.79	0.98	1.21	1.70	1.99	1.10	1.24	0.88	
13	0.94	1.03	0.92	1.05	0.72	1.04	1.08	1.76	1.93	1.09	1.28	0.89	
14	0.97	1.05	0.98	1.01	0.74	1.16	0.99	2.03	1.92	1.09	1.24	0.94	
15	1.02	1.06	1.04	0.98	0.72	1.18	1.01	2.34	1.90	1.21	1.26	1.01	
16	0.98	0.93	1.10	0.95	0.72	1.22	1.04	3.02	1.76	1.26	1.22	1.04	
17	0.96	0.88	1.06	0.90	0.66	1.29	1.22	4.51	1.66	1.15	1.28	0.97	
18	0.94	0.87	0.99	0.92	0.65	1.27	1.25	5.59	1.61	1.09	1.21	0.91	
19	0.94	0.81	0.89	0.86	0.73	1.25	1.32	5.57	1.50	1.24	1.21	0.91	
20	0.89	0.86	0.83	0.85	0.66	1.24	1.33	5.24	1.41	1.21	1.23	0.95	
21	0.83	0.89	0.93	0.82	0.70	1.22	1.30	4.92	1.38	1.20	1.23	0.96	
22	0.86	0.93	0.91	0.85	0.75	1.15	1.35	4.61	1.32	1.22	1.22	0.97	
23	0.96	1.02	0.89	0.82	0.71	1.12	1.34	4.25	1.26	1.25	1.18	0.95	
24	0.99	1.05	0.90	0.83	0.79	1.01	1.38	3.87	1.26	1.23	1.09	1.02	
25	1.00	1.01	0.83	0.86	0.88	0.98	1.34	3.58	1.34	1.15	1.02	1.11	
26	1.04	0.97	0.79	0.79	0.84	0.97	1.31	3.33	1.42	1.08	1.01	1.05	
27	0.99	0.93	0.80	0.76	0.84	1.00	1.38	3.51	1.30	1.01	0.95	1.12	
28	1.06	0.84	0.80	0.81	0.86	0.96	1.72	4.51	1.23	0.99	0.93	1.15	
29	1.03	0.83	0.80	0.93	0.83	0.80	1.62	6.24	1.23	0.94	1.00	1.05	
30	1.02	0.75	0.74	0.85	0.87	0.83	1.53	6.25	1.18	0.88		0.98	
31		0.78		0.85	0.85		1.49		1.24	0.89		0.98	
MEAN	0.96	1.06	0.87	0.84	0.76	1.05	1.24	3.22	2.12	1.14	1.13	0.95	
MAX	1.06	1.52	1.10	1.05	0.93	1.29	1.72	6.25	5.60	1.34	1.32	1.15	6.25
MIN	0.83	0.75	0.70	0.66	0.65	0.80	0.97	1.50	1.18	0.88	0.92	0.79	0.65

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.48 M (A.D), AT 22.00 HOURS, ON NOV 29, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -2.49 M (A.D)
LEFT BANK ELEVATION 7.18 M (A.D)
RIGHT BANK ELEVATION 7.99 M (A.D), DRAINAGE AREA 1740 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	7.00	10.00	2.50	1.05	6.25	5.75	8.25	23.00	252.00	13.00	6.00	7.75	
2	5.50	15.70	2.70	1.05	4.70	7.50	7.50	26.15	195.85	13.60	8.50	5.30	
3	5.50	22.65	1.50	1.70	3.10	7.50	7.25	32.80	151.20	12.00	8.50	6.25	
4	6.50	23.70	3.10	2.30	2.30	8.00	8.25	38.00	117.60	11.25	8.25	6.00	
5	6.50	22.30	3.30	1.35	2.10	9.50	8.25	50.50	96.65	12.75	9.75	5.75	
6	6.25	21.60	5.30	0.90	1.20	8.75	10.75	53.65	83.00	17.40	10.00	6.00	
7	5.10	18.45	4.90	2.10	1.90	9.25	12.75	40.00	71.00	13.60	10.75	4.70	
8	6.75	14.80	4.50	2.50	2.30	8.25	12.75	33.20	64.00	13.00	12.25	4.10	
9	7.50	13.00	5.10	3.30	1.50	8.50	13.00	31.20	60.00	12.50	11.00	3.70	
10	8.00	12.00	5.10	5.75	0.90	7.50	12.75	26.85	53.65	11.50	15.10	3.30	
11	8.50	9.25	5.10	7.00	2.30	7.00	14.80	26.50	46.00	13.30	16.70	3.90	
12	7.75	8.75	6.00	7.75	3.30	7.50	13.30	30.00	41.60	10.50	14.20	5.10	
13	6.50	8.75	6.00	9.25	1.90	9.00	10.00	32.40	39.20	10.25	15.40	5.30	
14	7.25	9.25	7.50	8.25	2.30	12.00	7.75	43.20	38.80	10.25	14.20	6.50	
15	8.50	9.50	9.00	7.50	1.90	12.50	8.25	57.00	38.00	13.30	14.80	8.25	
16	7.50	6.25	10.50	6.75	1.90	13.60	9.00	91.00	32.40	14.80	13.60	9.00	
17	7.00	5.10	9.50	5.50	0.90	15.70	13.60	177.65	28.60	11.75	15.40	7.25	
18	6.50	4.90	7.75	6.00	0.75	15.10	14.50	251.30	26.85	10.25	13.30	5.75	
19	6.50	3.70	5.30	4.70	2.10	14.50	16.70	249.90	23.00	14.20	13.30	5.75	
20	5.30	4.70	4.10	4.50	0.90	14.20	17.05	226.80	19.85	13.30	13.90	6.75	
21	4.10	5.30	6.25	3.90	1.50	13.60	16.00	204.40	18.80	13.00	13.90	7.00	
22	4.70	6.25	5.75	4.50	2.50	11.75	17.75	184.15	16.70	13.60	13.60	7.25	
23	7.00	8.50	5.30	3.90	1.70	11.00	17.40	162.00	14.80	14.50	12.50	6.75	
24	7.75	9.25	5.50	4.10	3.30	8.25	18.80	139.20	14.80	13.90	10.25	8.50	
25	8.00	8.25	4.10	5.10	5.10	7.50	17.40	121.80	17.40	11.75	8.50	10.75	
26	9.00	7.25	3.30	3.30	4.30	7.25	16.35	107.65	20.20	10.00	8.25	9.25	
27	7.75	6.25	3.50	2.70	4.30	8.00	18.80	117.60	16.00	8.25	6.75	11.00	
28	9.50	4.30	3.50	3.70	4.70	7.00	30.80	177.65	13.90	7.75	6.25	11.75	
29	8.75	4.10	3.90	6.25	4.10	3.50	27.20	297.50	13.90	6.50	8.00	9.25	
30	8.50	2.50	2.30	4.50	4.90	4.10	24.05	298.25	12.50	5.10		7.50	
31		3.10		4.50	4.50		22.65		14.20	5.30		7.50	
TOTAL	210.95	309.40	151.75	135.65	85.40	283.55	453.65	3351.30	1652.45	362.15	332.90	212.90	7542.04 CMSDAY
MEAN	7.03	9.98	5.06	4.38	2.75	9.45	14.63	111.71	53.30	11.68	11.48	6.87	20.61 CMS*
MAX *	9.50	23.70	10.50	9.25	6.25	15.70	30.80	298.25	252.00	17.40	16.70	11.75	298.25 CMS
MIN	4.10	2.50	1.50	0.90	0.75	3.50	7.25	23.00	12.50	5.10	6.00	3.30	0.75 CMS
RUNOFF	18.226	26.732	13.111	11.720	7.379	24.499	39.195	289.552	142.771	31.290	28.763	18.395	651.632 MCM

MOMENTARY PEAK 315.50 CMS, AT 6.48 M (A.D), AT 22.00 HOURS, ON NOV 29, 1979
RUNOFF YIELD 11.84 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 181.32 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG RATTAPHUM AT BAN KAMPHAENG PHET, SONGKHLA (X.67)

LOCATION — LAT. 7°08'35" N., LONG. 100°17'20" E., ON RIGHT BANK ABOUT 3 METERS UPSTREAM FROM THE BRIDGE OF PHATTHALUNG-SONGKHLA HIGHWAY, AMPHOE RATTAPHUM, SONGKHLA.

DRAINAGE AREA — 272 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — B.M.1 ON RIGHT BANK NEAR THE ABUTMENT OF THE BRIDGE, B.M.2 ON LEFT BANK NEAR THE ABUTMENT OF THE BRIDGE.

ELEVATION — B.M.1 =+3.415 M. (A.D.), B.M.2 =+3.307 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1972

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1972

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

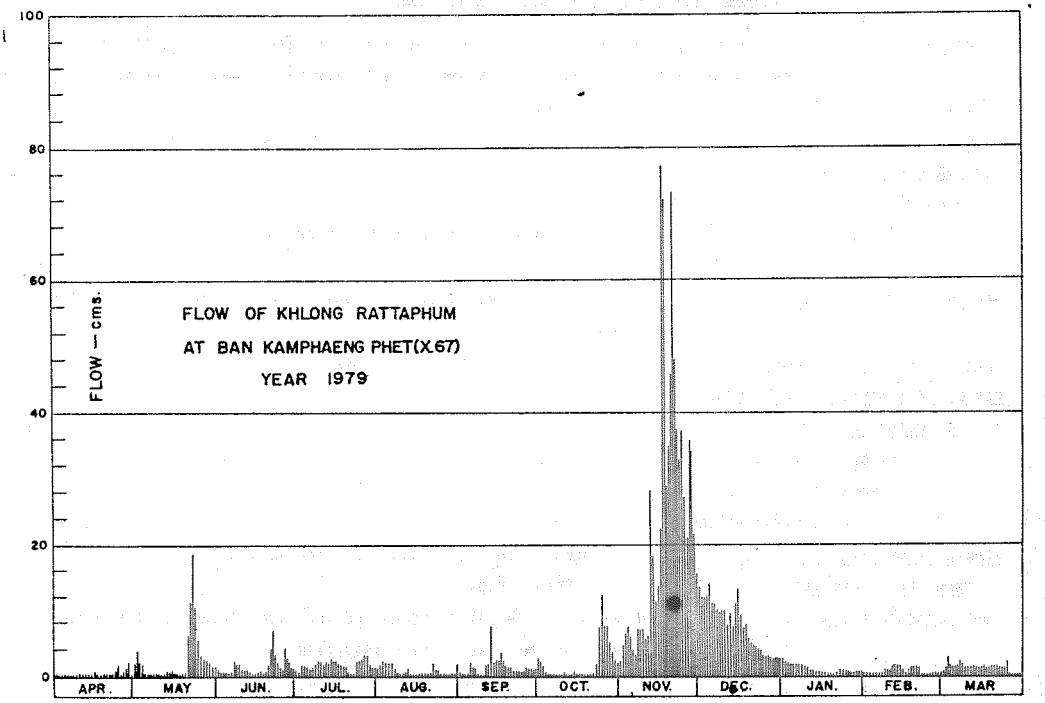
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 280 DISCHARGE MEASUREMENTS MADE DURING 1967-1972. FLOW REGULATED BY RATTAPHUM WEIR FOR IRRIGATION OF ABOUT 10,688 HECTARES.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	-0.25	0.17	0.02	-0.05	0.08	-0.04	0.23	0.16	1.01	0.24	-0.08	-0.06	
2	-0.21	0.35	-0.04	-0.10	0.14	-0.07	0.18	0.41	0.93	0.16	-0.10	0.03	
3	-0.27	0.17	-0.04	0.10	0.19	-0.07	0.08	0.57	0.96	0.16	-0.18	0.24	
4	-0.24	0.14	-0.05	0.10	0.18	-0.18	-0.09	0.65	1.07	0.14	-0.16	0.08	
5	-0.17	-0.17	-0.08	0.08	0.15	0.17	-0.16	0.53	0.93	0.12	-0.14	0.08	
6	-0.19	-0.14	-0.10	0.03	0.17	0.08	-0.25	0.35	0.88	0.12	-0.18	0.08	
7	-0.28	-0.24	-0.14	0.06	0.06	0.07	-0.18	0.27	0.85	0.10	-0.16	0.17	
8	-0.09	-0.23	0.18	0.11	-0.07	-0.15	-0.20	0.62	0.80	0.10	-0.19	0.12	
9	-0.19	-0.13	0.15	0.18	-0.12	-0.22	-0.14	0.64	0.82	0.08	0.02	0.07	
10	-0.20	-0.17	-0.03	0.16	-0.09	-0.23	-0.18	0.50	0.80	0.03	0.01	0.06	
11	-0.19	-0.23	-0.02	0.11	-0.07	0.14	-0.07	0.57	0.65	0.01	0.05	0.05	
12	-0.38	-0.13	-0.03	0.19	0.06	0.14	-0.22	1.77	0.80	-0.03	0.04	0.08	
13	-0.38	-0.05	-0.03	0.14	-0.05	0.66	-0.27	1.27	0.66	-0.04	0.06	0.07	
14	-0.38	-0.06	-0.18	0.23	-0.15	0.17	-0.20	0.92	0.90	-0.05	0.06	0.05	
15	-0.13	-0.03	-0.16	0.21	-0.20	0.22	-0.06	1.04	1.00	-0.07	-0.03	0.05	
16	-0.06	-0.09	-0.05	0.19	-0.25	0.23	-0.21	1.50	0.76	-0.08	-0.10	0.06	
17	-0.24	-0.13	-0.03	0.10	-0.27	0.32	-0.27	3.43	0.65	-0.10	-0.08	0.07	
18	-0.18	-0.18	-0.08	0.13	-0.24	0.15	-0.30	3.29	0.65	-0.13	-0.06	0.03	
19	-0.31	-0.17	-0.07	0.09	-0.24	0.09	-0.28	2.20	0.52	-0.15	-0.05	0.06	
20	-0.31	-0.21	0.10	0.03	-0.25	0.09	-0.25	2.42	0.47	-0.15	-0.04	0.10	
21	-0.29	0.54	0.41	-0.09	-0.16	0.03	-0.30	3.31	0.44	-0.11	-0.06	0.07	
22	-0.25	0.94	0.63	-0.17	0.14	-0.03	-0.14	2.52	0.41	-0.03	-0.19	0.02	
23	-0.17	1.30	0.27	-0.20	0.03	-0.04	0.15	1.95	0.38	-0.03	-0.22	0.02	
24	0.13	0.84	0.14	0.20	-0.03	-0.06	0.64	2.13	0.35	-0.04	-0.12	0.03	
25	-0.13	0.48	0.05	0.21	-0.11	-0.06	0.96	1.72	0.26	-0.06	-0.14	0.18	
26	-0.14	0.29	0.01	0.23	-0.17	0.06	0.67	1.41	0.28	-0.06	-0.13	-0.18	
27	0.05	0.22	0.39	0.30	-0.20	-0.03	0.66	2.07	0.28	-0.07	-0.09	-0.25	
28	0.19	0.19	0.18	0.29	-0.22	0.07	0.48	2.00	0.25	-0.08	-0.11	-0.36	
29	-0.10	0.14	0.05	0.11	-0.20	0.03	0.32	1.44	0.22	-0.04	-0.05	-0.38	
30	-0.13	0.10	0.02	0.05	-0.25	0.03	0.22	1.14	0.21	-0.05		-0.29	
31		0.05		0.07	0.13		0.14		0.20	-0.05		-0.14	
MEAN	-0.18	0.11	0.05	0.10	-0.06	0.05	0.03	1.43	0.63	-0.01	-0.08	0.01	
MAX	0.19	1.30	0.63	0.30	0.19	0.66	0.96	3.43	1.07	0.24	0.06	0.24	3.43
MIN	-0.38	-0.24	-0.18	-0.20	-0.27	-0.23	-0.30	0.16	0.20	-0.15	-0.22	-0.38	-0.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.67 M (A.D.), AT 18.00 HOURS, ON NOV 17, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED M (A.D.)
LEFT BANK ELEVATION 5.53 M (A.D.)
RIGHT BANK ELEVATION 5.53 M (A.D.), DRAINAGE AREA 272 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	2.09	1.12	0.70	1.48	0.76	2.57	2.02	13.07	2.66	0.52	0.64	
2	0.18	3.75	0.76	0.40	1.88	0.58	2.16	4.41	11.71	2.02	0.40	1.18	
3	0.06	2.09	0.76	1.60	2.23	0.58	1.48	6.31	12.22	2.02	0.24	2.66	
4	0.12	1.88	0.70	1.60	2.16	0.24	0.46	7.40	14.09	1.88	0.28	1.48	
5	0.26	0.26	0.52	1.48	1.95	2.09	0.28	5.79	11.71	1.74	0.32	1.48	
6	0.22	0.32	0.40	1.18	2.09	1.48	0.10	3.75	10.88	1.74	0.24	1.48	
7	0.04	0.12	0.32	1.36	1.36	1.42	0.24	2.93	10.40	1.60	0.28	2.09	
8	0.46	0.14	2.16	1.67	0.58	0.30	0.20	6.98	9.60	1.60	0.22	1.74	
9	0.22	0.34	1.95	2.16	0.36	0.16	0.32	7.26	9.92	1.48	1.12	1.42	
10	0.20	0.26	0.82	2.02	0.46	0.14	0.24	5.40	9.60	1.18	1.06	1.36	
11	0.22	0.14	0.88	1.67	0.58	1.88	0.58	6.31	7.40	1.06	1.30	1.30	
12	0.00	0.34	0.82	2.23	1.36	1.88	0.16	28.41	9.60	0.82	1.24	1.48	
13	0.00	0.70	0.82	1.88	0.70	7.54	0.06	17.83	7.54	0.76	1.36	1.42	
14	0.00	0.64	0.24	2.57	0.30	2.09	0.20	11.54	11.20	0.70	1.36	1.30	
15	0.34	0.82	0.28	2.39	0.20	2.48	0.64	13.58	12.90	0.58	0.82	1.30	
16	0.64	0.46	0.70	2.23	0.10	2.57	0.18	22.50	9.00	0.52	0.40	1.30	
17	0.12	0.34	0.82	1.60	0.06	3.42	0.06	77.22	7.40	0.40	0.52	1.42	
18	0.24	0.24	0.52	1.81	0.12	1.95	0.00	72.47	7.40	0.34	0.64	1.18	
19	0.00	0.26	0.58	1.54	0.12	1.54	0.04	39.20	5.66	0.30	0.70	1.36	
20	0.00	0.18	1.60	1.18	0.10	1.54	0.10	45.26	5.07	0.30	0.76	1.60	
21	0.02	5.92	4.41	0.46	0.28	1.18	0.00	73.14	4.74	0.38	0.64	1.42	
22	0.10	11.88	7.12	0.26	1.88	0.82	0.32	48.08	4.41	0.82	0.22	1.12	
23	0.26	18.40	2.93	0.20	1.18	0.76	1.95	32.75	4.08	0.82	0.16	1.12	
24	1.81	10.24	1.88	2.30	0.82	0.64	7.26	37.38	3.75	0.76	0.36	1.18	
25	0.34	5.18	1.30	2.39	0.38	0.64	12.22	27.26	2.84	0.64	0.32	2.16	
26	0.32	3.11	1.06	2.57	0.26	1.36	7.68	20.61	3.02	0.64	0.34	0.24	
27	1.30	2.48	4.19	3.20	0.20	0.82	7.54	35.82	3.02	0.58	0.46	0.10	
28	2.23	2.23	2.16	3.11	0.16	1.42	5.18	34.00	2.75	0.52	0.38	0.00	
29	0.40	1.88	1.30	1.67	0.20	1.18	3.42	21.24	2.48	0.76	0.70	0.00	
30	0.34	1.60	1.12	1.30	0.10	1.18	2.48	15.36	2.39	0.70		0.02	
31		1.30		1.42	1.81		1.88		2.30	0.70		0.32	
TOTAL	10.54	79.59	44.24	52.15	25.46	44.64	60.00	732.21	232.15	31.02	17.36	36.93	1366.29 CMSDAY
MEAN	0.35	2.57	1.47	1.68	0.82	1.49	1.94	24.41	7.49	1.00	0.60	1.19	3.73 CMS
MAX	2.23	18.40	7.12	3.20	2.23	7.54	12.22	77.22	14.09	2.66	1.36	2.66	77.22 CMS
MIN	0.00	0.12	0.24	0.20	0.06	0.14	0.00	2.02	2.30	0.30	0.16	0.00	0.00 CMS
RUNOFF	0.911	6.877	3.822	4.506	2.200	3.857	5.184	63.263	20.058	2.680	1.500	3.191	118.047 MCM

MOMENTARY PEAK 85.38 CMS, AT 3.67 M (A.D), AT 18.00 HOURS, ON NOV 17, 1979
RUNOFF YIELD 13.72 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 313.90 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

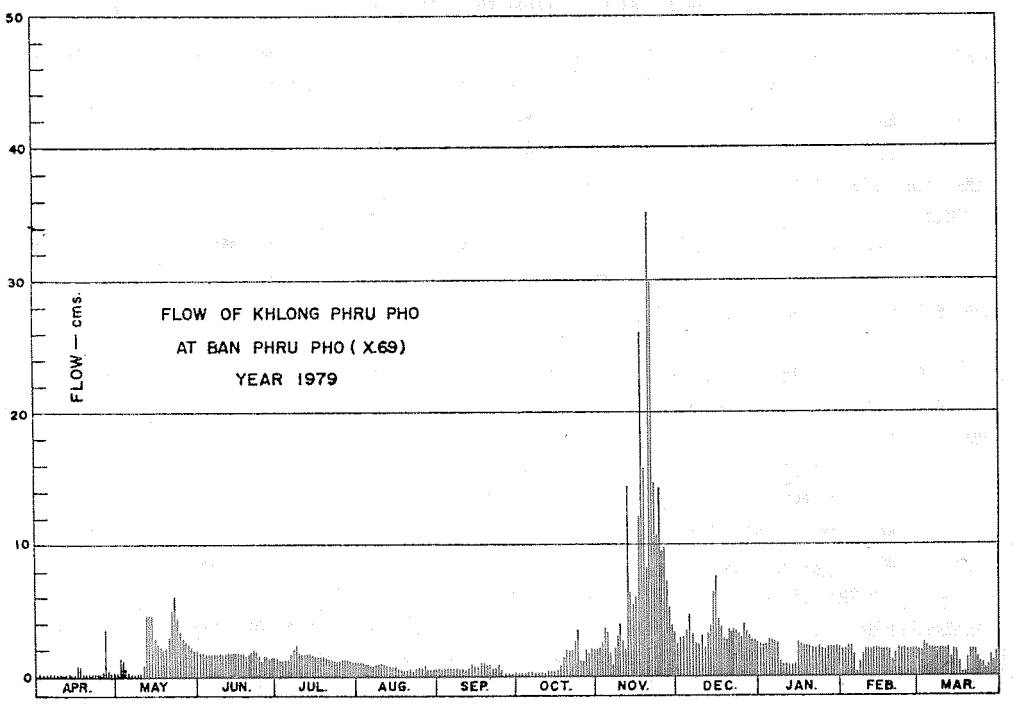
KHLONG PHRU PHO AT BAN PHRU PHO, SONGKHLA (X.69)

LOCATION	LAT. 7°-11'-25" N., LONG. 100°-13'-26" E., ON RIGHT BANK UPSTREAM SIDE OF THE BRIDGE OF PHATTHALUNG-HAT YAI HIGHWAY AT BAN PHRU PHO, AMPHOE RATTAPHUM, SONGKHLA.
DRAINAGE AREA	88 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-M.S.
LOCATION	ON LEFT BANK ABOUT 300 METERS FROM THE BRIDGE.
ELEVATION	+4.229 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 269 DISCHARGE MEASUREMENTS MADE DURING 1967-1972.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.61	0.96	0.84	0.79	0.65	0.40	1.00	1.05	1.05	0.97	0.96	
2	0.33	0.87	0.96	0.83	0.78	0.65	0.40	1.05	1.10	1.03	0.98	0.96	
3	0.34	0.82	0.93	0.82	0.76	0.65	0.39	1.19	1.11	1.02	0.98	1.05	
4	0.37	0.69	0.93	0.82	0.75	0.66	0.38	1.17	1.18	1.09	1.01	1.00	
5	0.36	0.62	0.92	0.83	0.74	0.65	0.36	1.11	1.30	1.09	1.01	0.99	
6	0.36	0.57	0.91	0.84	0.72	0.64	0.36	0.91	1.13	1.09	0.88	0.98	
7	0.40	0.55	0.91	0.93	0.72	0.65	0.37	0.74	1.06	1.08	0.62	0.98	
8	0.36	0.54	0.91	1.03	0.75	0.65	0.42	1.01	1.01	1.02	0.79	0.98	
9	0.36	0.53	0.91	0.96	0.75	0.65	0.45	1.23	1.11	0.77	0.93	0.99	
10	0.29	0.54	0.90	0.92	0.77	0.64	0.46	1.08	1.12	0.76	0.98	0.97	
11	0.25	0.74	0.90	0.90	0.76	0.64	0.47	0.99	1.00	0.75	0.98	0.98	
12	0.29	1.31	0.93	0.91	0.73	0.66	0.46	2.08	1.13	0.73	0.97	0.97	
13	0.29	1.32	0.93	0.93	0.71	0.75	0.46	1.49	1.20	0.74	0.97	0.86	
14	0.29	1.31	0.93	0.92	0.71	0.75	0.50	1.39	1.49	0.75	0.97	0.97	
15	0.35	1.10	0.92	0.89	0.70	0.70	0.51	1.45	1.60	1.03	0.97	0.96	
16	0.76	1.05	0.92	0.89	0.70	0.70	0.56	1.93	1.27	1.05	0.97	0.78	
17	0.61	1.02	0.91	0.87	0.67	0.80	0.64	2.72	1.20	1.04	0.98	0.54	
18	0.51	0.99	0.90	0.89	0.64	0.77	0.74	2.16	1.10	1.02	0.97	0.61	
19	0.44	1.00	0.89	0.87	0.63	0.73	0.88	1.66	1.07	1.01	0.95	0.83	
20	0.41	1.01	0.90	0.85	0.63	0.74	0.95	3.06	1.19	1.01	0.83	0.95	
21	0.40	1.10	0.92	0.83	0.63	0.69	0.95	2.88	1.15	0.98	0.93	0.96	
22	0.41	1.35	0.95	0.82	0.63	0.68	0.95	2.07	1.18	0.97	0.98	0.95	
23	0.39	1.46	0.93	0.81	0.65	0.69	1.08	1.81	1.15	0.99	0.98	0.86	
24	0.45	1.26	0.89	0.79	0.68	0.73	1.18	2.06	1.13	1.01	0.98	0.80	
25	0.62	1.14	0.80	0.80	0.67	0.63	0.81	1.74	1.11	0.98	0.98	0.77	
26	1.18	1.09	0.88	0.82	0.66	0.40	0.79	1.76	1.23	0.97	0.97	0.66	
27	0.73	1.06	0.88	0.83	0.70	0.39	0.96	1.56	1.14	1.00	0.97	0.74	
28	0.57	1.03	0.87	0.82	0.66	0.38	0.93	1.35	1.10	1.00	0.97	0.89	
29	0.52	0.99	0.87	0.81	0.64	0.37	0.98	1.21	1.08	1.00	0.97	0.80	
30	0.47	0.97	0.87	0.80	0.65	0.38	0.97	1.13	1.07	1.01		0.90	
31		0.97		0.80	0.65		0.98		1.05	0.99		0.97	
MEAN	0.45	0.96	0.91	0.86	0.70	0.64	0.67	1.57	1.16	0.97	0.95	0.89	
MAX	1.18	1.46	0.96	1.03	0.79	0.80	1.18	3.06	1.60	1.09	1.01	1.05	3.06
MIN	0.25	0.53	0.80	0.79	0.63	0.37	0.36	0.74	1.00	0.73	0.62	0.54	0.25

ANNUAL MAX MOMENTARY GAGE HEIGHT 3.60 M (A.D), AT 21.00 HOURS, ON NOV 20, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.20 M (A.D)
LEFT BANK ELEVATION 6.36 M (A.D)
RIGHT BANK ELEVATION 6.62 M (A.D), DRAINAGE AREA 88 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.34	1.96	1.30	1.06	0.50	0.00	2.20	2.55	2.55	2.02	1.96	
2	0.00	1.45	1.96	1.25	1.02	0.50	0.00	2.55	2.90	2.41	2.08	1.96	
3	0.00	1.20	1.78	1.20	0.94	0.50	0.00	3.62	2.98	2.34	2.08	2.55	
4	0.00	0.66	1.78	1.20	0.90	0.54	0.00	3.46	3.54	2.83	2.27	2.20	
5	0.00	0.38	1.72	1.25	0.86	0.50	0.00	2.98	4.60	2.83	2.27	2.14	
6	0.00	0.24	1.66	1.30	0.78	0.46	0.00	1.66	3.14	2.83	1.50	2.08	
7	0.00	0.20	1.66	1.78	0.78	0.50	0.00	0.86	2.62	2.76	0.38	2.08	
8	0.00	0.18	1.66	2.41	0.90	0.50	0.02	2.27	2.27	2.34	1.06	2.08	
9	0.00	0.16	1.66	1.96	0.90	0.50	0.05	3.97	2.98	0.98	1.78	2.14	
10	0.00	0.18	1.60	1.72	0.98	0.46	0.06	2.76	3.06	0.94	2.08	2.02	
11	0.00	0.86	1.60	1.60	0.94	0.46	0.07	2.14	2.20	0.90	2.08	2.08	
12	0.00	4.69	1.78	1.66	0.82	0.54	0.06	14.48	3.14	0.82	2.02	2.02	
13	0.00	4.78	1.78	1.78	0.74	0.90	0.06	6.40	3.70	0.86	2.02	1.40	
14	0.00	4.69	1.78	1.72	0.74	0.90	0.10	5.41	6.40	0.90	2.02	2.02	
15	0.00	2.90	1.72	1.55	0.70	0.70	0.12	6.00	7.60	2.41	2.02	1.96	
16	0.94	2.55	1.72	1.55	0.70	0.70	0.22	12.15	4.33	2.55	2.02	1.02	
17	0.34	2.34	1.66	1.45	0.58	1.10	0.46	26.04	3.70	2.48	2.08	0.18	
18	0.12	2.14	1.60	1.55	0.46	0.98	0.86	15.76	2.90	2.34	2.02	0.34	
19	0.04	2.20	1.55	1.45	0.42	0.82	1.50	8.38	2.69	2.27	1.90	1.25	
20	0.01	2.27	1.60	1.35	0.42	0.86	1.90	35.14	3.62	2.27	1.25	1.90	
21	0.00	2.90	1.72	1.25	0.42	0.66	1.90	29.80	3.30	2.08	1.78	1.96	
22	0.01	5.05	1.90	1.20	0.42	0.62	1.90	14.32	3.54	2.02	2.08	1.90	
23	0.00	6.10	1.78	1.15	0.50	0.66	2.76	10.35	3.30	2.14	2.08	1.40	
24	0.05	4.24	1.55	1.06	0.62	0.82	3.54	14.16	3.14	2.27	2.08	1.10	
25	0.38	3.22	1.10	1.10	0.58	0.42	1.15	9.42	2.98	2.08	2.08	0.98	
26	3.54	2.83	1.50	1.20	0.54	0.00	1.06	9.68	3.97	2.02	2.02	0.54	
27	0.82	2.62	1.50	1.25	0.70	0.00	1.96	7.16	3.22	2.20	2.02	0.86	
28	0.24	2.41	1.45	1.20	0.54	0.00	1.78	5.05	2.90	2.20	2.02	1.55	
29	0.14	2.14	1.45	1.15	0.46	0.00	2.08	3.79	2.76	2.20	2.02	1.10	
30	0.07	2.02	1.45	1.10	0.50	0.00	2.02	3.14	2.69	2.27		1.60	
31		2.02		1.10	0.50		2.08		2.55	2.14		2.02	
TOTAL	6.70	69.96	49.63	43.79	21.42	16.10	27.71	265.10	105.27	64.23	55.13	50.39	775.43 CMSDAY
MEAN	0.22	2.26	1.65	1.41	0.69	0.54	0.89	8.84	3.40	2.07	1.90	1.63	2.12 CMS
MAX	3.54	6.10	1.96	2.41	1.06	1.10	3.54	35.14	7.60	2.83	2.27	2.55	35.14 CMS
MIN	0.00	0.16	1.10	1.06	0.42	0.00	0.00	0.86	2.20	0.82	0.38	0.18	0.00 CMS
RUNOFF	0.579	6.045	4.288	3.783	1.851	1.391	2.394	22.905	9.095	5.549	4.763	4.354	66.997 MCM

MOMENTARY PEAK 67.50 CMS, AT 3.60 M (A.D), AT 21.00 HOURS, ON NOV 20, 1979

RUNOFF YIELD 24.08 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 767.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

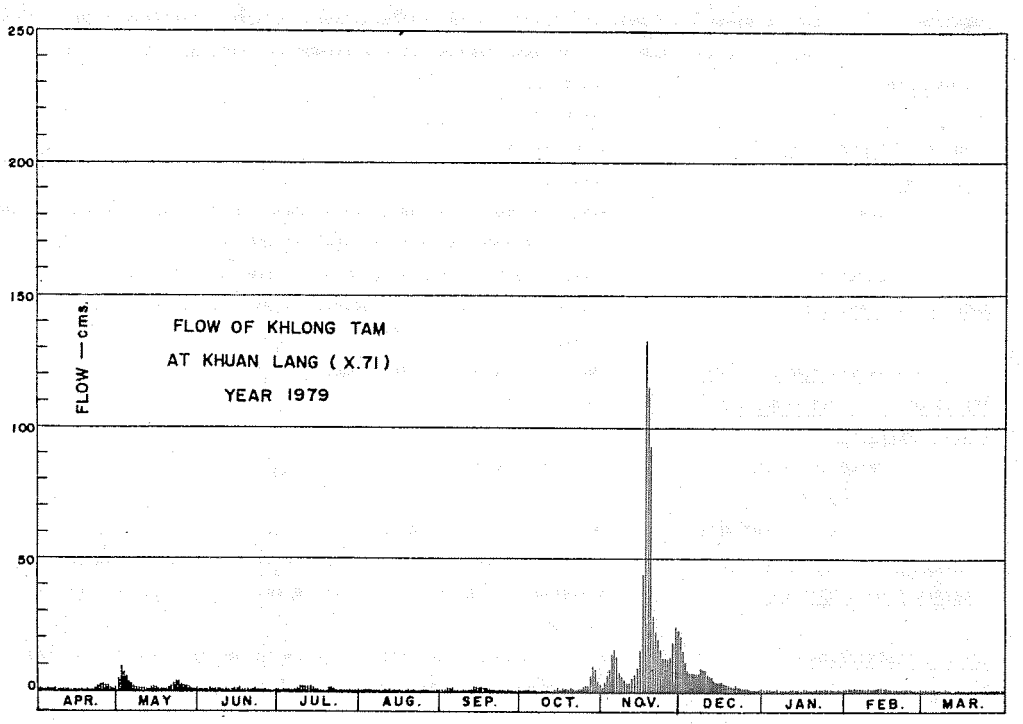
KHLONG TAM AT KHUAN LANG, SONGKHLA (X.71)

LOCATION	LAT. 6°59'33" N., LONG. 100°25'57" E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF PHET KASEM HIGHWAY AT KHUAN LANG, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	127 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK ABOUT 12 METERS FROM THE BRIDGE.
ELEVATION	+6.569 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1967 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1967-1972
RATED BY FLOAT	-
RATED BY CURRENT METER	1967-1972
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 153 DISCHARGE MEASUREMENTS MADE DURING 1967-1971.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.37	2.52	1.68	1.78	1.74	1.88	1.56	2.30	4.55	1.75	1.52	1.46	
2	1.38	3.61	1.54	1.71	1.70	1.99	1.56	2.80	3.84	1.71	1.51	1.42	
3	1.36	3.29	1.65	1.71	1.61	2.12	1.55	3.24	3.35	1.70	1.52	1.42	
4	1.36	2.90	1.59	1.82	1.57	2.15	1.54	3.58	3.23	1.66	1.52	1.45	
5	1.36	2.57	1.60	1.85	1.51	1.98	1.56	4.53	3.38	1.62	1.52	1.49	
6	1.38	2.30	1.54	1.86	1.52	1.83	1.53	4.49	3.33	1.58	1.50	1.49	
7	1.40	2.11	1.56	1.97	1.52	1.71	1.53	3.59	3.21	1.55	1.50	1.48	
8	1.39	2.01	1.68	2.18	1.50	1.69	1.53	3.07	3.47	1.55	1.49	1.49	
9	1.40	1.96	1.97	2.33	1.53	1.65	1.52	2.85	3.38	1.54	1.49	1.42	
10	1.39	2.03	1.77	2.28	1.53	1.59	1.53	2.62	3.18	1.54	1.48	1.43	
11	1.38	2.00	1.78	2.24	1.51	1.59	1.52	2.55	2.90	1.55	1.54	1.44	
12	1.39	1.96	1.78	2.24	1.52	1.74	1.54	2.65	2.71	1.54	1.54	1.46	
13	1.38	1.97	1.77	2.26	1.50	2.27	1.56	3.30	2.64	1.53	1.53	1.42	
14	1.40	2.17	1.87	2.11	1.50	2.35	1.58	3.27	2.53	1.53	1.53	1.41	
15	1.45	2.12	1.88	2.08	1.49	2.15	2.06	3.95	2.61	1.53	1.54	1.40	
16	1.43	1.98	2.14	1.97	1.48	2.17	1.88	5.43	2.51	1.53	1.53	1.39	
17	1.45	1.96	2.00	1.85	1.47	2.18	1.77	6.83	2.38	1.52	1.53	1.38	
18	1.49	1.82	1.93	1.78	1.49	2.02	1.75	7.04	2.26	1.49	1.53	1.38	
19	1.57	1.84	1.83	1.92	1.48	1.96	1.71	6.48	2.20	1.49	1.52	1.41	
20	1.58	2.16	1.91	2.21	1.48	1.86	1.83	5.56	2.10	1.48	1.47	1.44	
21	1.64	2.38	1.99	2.04	1.47	1.81	1.68	5.10	2.06	1.47	1.42	1.43	
22	1.65	2.54	2.06	1.93	1.46	1.76	1.69	4.85	2.03	1.44	1.48	1.45	
23	2.22	2.62	1.96	1.89	1.62	1.70	1.79	4.46	2.01	1.45	1.50	1.42	
24	2.47	2.60	1.90	1.76	1.49	1.58	1.93	4.08	1.97	1.43	1.52	1.42	
25	2.39	2.38	1.82	1.69	1.50	1.57	2.23	4.14	1.96	1.44	1.52	1.42	
26	2.21	2.20	1.75	1.67	1.49	1.63	2.34	3.98	1.93	1.45	1.49	1.39	
27	2.11	2.09	1.76	1.66	1.54	1.61	2.56	4.22	1.89	1.45	1.48	1.38	
28	1.95	2.00	1.82	1.75	1.48	1.56	3.60	4.80	1.88	1.47	1.48	1.37	
29	1.86	1.90	1.78	1.68	1.46	1.55	3.45	5.30	1.85	1.49	1.48	1.37	
30	1.81	1.80	1.76	1.68	1.47	1.56	2.70	5.07	1.82	1.50		1.41	
31		1.71		1.71	1.51		2.33		1.78	1.51		1.44	
MEAN	1.62	2.24	1.80	1.92	1.52	1.84	1.90	4.20	2.61	1.53	1.51	1.43	
MAX	2.47	3.61	2.14	2.33	1.74	2.35	3.60	7.04	4.55	1.75	1.54	1.49	7.04
MIN	1.36	1.71	1.54	1.66	1.46	1.55	1.52	2.30	1.78	1.43	1.42	1.37	1.36

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.16 M (A.D), AT 6.00 HOURS, ON NOV 18, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.81 M (A.D)
LEFT BANK ELEVATION 8.85 M (A.D)
RIGHT BANK ELEVATION 9.10 M (A.D), DRAINAGE AREA 127 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.07	3.28	0.38	0.64	0.52	0.94	0.26	2.40	17.05	0.55	0.22	0.16	
2	0.08	9.47	0.24	0.43	0.40	1.27	0.26	4.60	11.08	0.43	0.21	0.12	
3	0.06	7.34	0.35	0.43	0.31	1.68	0.25	7.04	7.70	0.40	0.22	0.12	
4	0.06	5.10	0.29	0.76	0.27	1.80	0.24	9.26	6.98	0.36	0.22	0.15	
5	0.06	3.48	0.30	0.85	0.21	1.24	0.26	16.87	7.88	0.32	0.22	0.19	
6	0.08	2.40	0.24	0.88	0.22	0.79	0.23	16.51	7.58	0.28	0.20	0.19	
7	0.10	1.64	0.26	1.21	0.22	0.43	0.23	9.33	6.86	0.25	0.20	0.18	
8	0.09	1.33	0.38	1.92	0.20	0.39	0.23	6.02	8.49	0.25	0.19	0.19	
9	0.10	1.18	1.21	2.52	0.23	0.35	0.22	4.85	7.88	0.24	0.19	0.12	
10	0.09	1.39	0.61	2.32	0.23	0.29	0.23	3.70	6.68	0.24	0.18	0.13	
11	0.08	1.30	0.64	2.16	0.21	0.29	0.22	3.40	5.10	0.25	0.24	0.14	
12	0.09	1.18	0.64	2.16	0.22	0.52	0.24	3.85	4.15	0.24	0.24	0.16	
13	0.08	1.21	0.61	2.24	0.20	2.28	0.26	7.40	3.80	0.23	0.23	0.12	
14	0.10	1.88	0.91	1.64	0.20	2.60	0.28	7.22	3.32	0.23	0.23	0.11	
15	0.15	1.68	0.94	1.54	0.19	1.80	1.48	11.90	3.65	0.23	0.24	0.10	
16	0.13	1.24	1.76	1.21	0.18	1.88	0.94	26.52	3.24	0.23	0.23	0.09	
17	0.15	1.18	1.30	0.85	0.17	1.92	0.61	91.70	2.72	0.22	0.23	0.08	
18	0.19	0.76	1.09	0.64	0.19	1.36	0.55	133.00	2.24	0.19	0.23	0.08	
19	0.27	0.82	0.79	1.06	0.18	1.18	0.43	52.90	2.00	0.19	0.22	0.11	
20	0.28	1.84	1.03	2.04	0.18	0.88	0.79	28.34	1.60	0.18	0.17	0.14	
21	0.34	2.72	1.27	1.42	0.17	0.73	0.38	22.40	1.48	0.17	0.12	0.13	
22	0.35	3.36	1.48	1.09	0.16	0.58	0.39	19.80	1.39	0.14	0.18	0.15	
23	2.08	3.70	1.18	0.97	0.32	0.40	0.67	16.24	1.33	0.15	0.20	0.12	
24	3.08	3.60	1.00	0.58	0.19	0.28	1.09	12.94	1.21	0.13	0.22	0.12	
25	2.76	2.72	0.76	0.39	0.20	0.27	2.12	13.42	1.18	0.14	0.22	0.12	
26	2.04	2.00	0.55	0.37	0.19	0.33	2.56	12.14	1.09	0.15	0.19	0.09	
27	1.64	1.57	0.58	0.36	0.24	0.31	3.44	14.08	0.97	0.15	0.18	0.08	
28	1.15	1.30	0.76	0.55	0.18	0.26	9.40	19.30	0.94	0.17	0.18	0.07	
29	0.88	1.00	0.64	0.38	0.16	0.25	8.35	24.80	0.85	0.19	0.18	0.07	
30	0.73	0.70	0.58	0.38	0.17	0.26	4.10	22.07	0.76	0.20		0.11	
31		0.43		0.43	0.21		2.52		0.64	0.21		0.14	
TOTAL	17.36	72.80	22.77	34.42	6.92	27.56	43.23	624.00	131.84	7.31	5.98	3.88	998.07 CMSDAY
MEAN	0.58	2.35	0.76	1.11	0.22	0.92	1.39	20.80	4.25	0.24	0.21	0.13	2.73 CMS
MAX	3.08	9.47	1.76	2.52	0.52	2.60	9.40	133.00	17.05	0.55	0.24	0.19	133.00 CMS
MIN	0.06	0.43	0.24	0.36	0.16	0.25	0.22	2.40	0.64	0.13	0.12	0.07	0.06 CMS
RUNOFF	1.500	6.290	1.967	2.974	0.598	2.381	3.735	53.914	11.391	0.632	0.517	0.335	86.233 MCM

MOMENTARY PEAK 161.20 CMS, AT 7.16 M (A.D), AT 6.00 HOURS, ON NOV 18, 1979

RUNOFF YIELD 21.47 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 1269.29 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

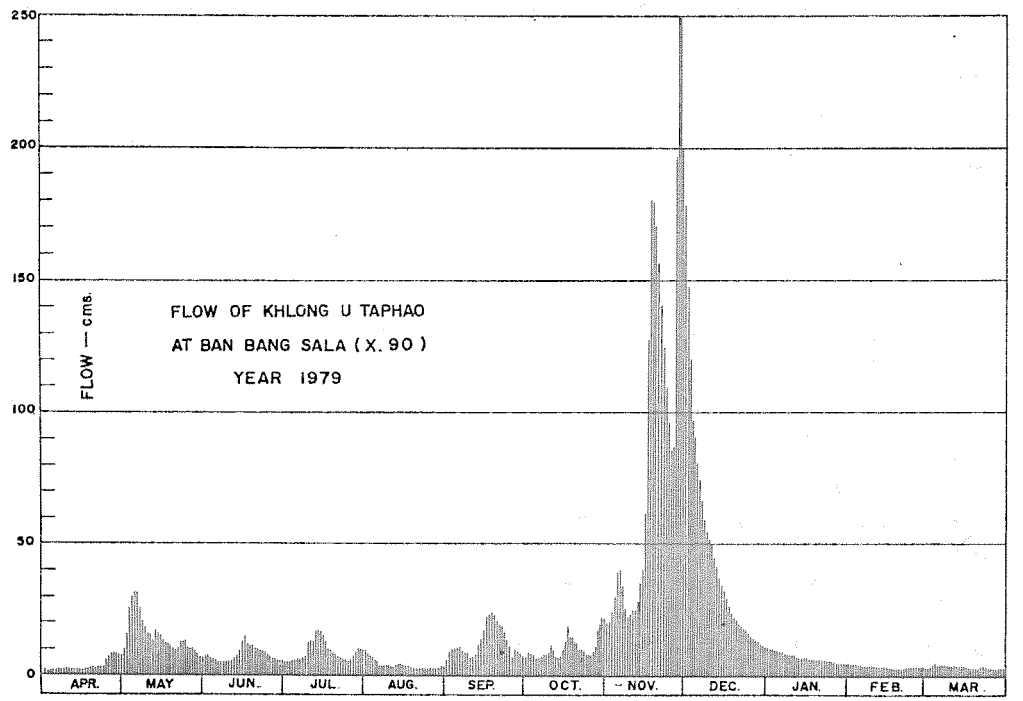
KHLONG U TAPHAO AT BAN BANG SALA, SONGKHLA (X.90)

LOCATION	LAT. 6°55'39" N., LONG. 100°26'37" E., ON LEFT BANK ABOUT 5 METERS UPSTREAM FROM THE BRIDGE AND NEAR THE PHATTHANA TAMBON STREET, AMPHOE HAT YAI, SONGKHLA.
DRAINAGE AREA	1,562 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	B.M.1 ON RIGHT BANK ABOUT 46 METERS FROM THE GAGE LINE, B.M.2 ON LEFT BANK ABOUT 68 METERS FROM THE GAGE LINE.
ELEVATION	B.M.1=+5.909 M. (A.D.), B.M.2=+7.651 M. (A.D.)
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1971 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1971-1972, 1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1971-1972, 1979 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +8.37 M. (A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD, STAGE-DISCHARGE RELATION DEFINED BY 20 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.61	1.56	1.32	1.14	1.56	1.22	1.39	2.39	7.71	1.74	1.03	0.88	
2	0.63	2.00	1.44	1.13	1.49	1.52	1.51	2.43	7.21	1.70	1.02	0.88	
3	0.62	2.78	1.34	1.12	1.37	1.65	1.51	2.70	6.64	1.67	1.02	1.01	
4	0.65	3.05	1.24	1.15	1.28	1.70	1.41	3.06	5.96	1.64	1.01	1.07	
5	0.65	3.10	1.16	1.18	1.19	1.74	1.33	3.53	5.44	1.61	1.00	0.98	
6	0.66	3.13	1.18	1.21	1.10	1.76	1.31	3.62	5.14	1.55	0.98	0.94	
7	0.69	2.92	1.11	1.27	0.99	1.59	1.41	3.23	4.80	1.51	0.96	0.93	
8	0.75	2.57	1.10	1.33	0.97	1.57	1.52	2.80	4.48	1.52	0.97	1.00	
9	0.74	2.29	1.10	1.39	0.95	1.41	1.48	2.61	4.26	1.49	0.95	0.97	
10	0.79	2.20	1.10	1.87	0.93	1.33	1.55	2.71	4.10	1.46	0.94	0.93	
11	0.73	2.08	1.15	1.93	0.92	1.39	1.79	2.70	3.98	1.42	0.93	0.93	
12	0.73	1.89	1.30	1.90	0.96	1.57	1.58	2.73	3.68	1.41	0.91	0.90	
13	0.72	2.11	1.40	2.20	1.01	1.84	1.31	2.92	3.48	1.39	0.90	0.85	
14	0.70	2.17	1.53	2.24	1.05	1.95	1.38	3.52	3.28	1.36	0.90	0.83	
15	0.70	2.11	1.81	2.15	1.04	2.21	1.66	3.84	3.12	1.33	0.90	0.82	
16	0.72	1.99	2.02	2.06	1.00	2.57	1.98	4.62	2.98	1.31	0.91	0.80	
17	0.77	1.91	2.00	1.87	0.97	2.62	2.30	6.84	2.84	1.27	0.88	0.79	
18	0.80	1.79	1.80	1.67	0.91	2.73	2.07	7.74	2.68	1.22	0.87	0.78	
19	0.86	1.71	1.81	1.58	0.88	2.67	2.05	7.72	2.58	1.20	0.85	0.77	
20	0.82	1.60	1.77	1.50	0.86	2.49	1.90	7.60	2.46	1.20	0.85	0.79	
21	0.80	1.60	1.66	1.46	0.81	2.37	1.81	7.39	2.38	1.18	0.84	0.92	
22	0.78	1.69	1.63	1.39	0.81	2.29	1.69	7.10	2.29	1.17	0.86	0.90	
23	0.83	1.92	1.59	1.31	0.80	2.20	1.60	6.75	2.22	1.16	0.90	0.85	
24	1.21	1.91	1.54	1.24	0.82	1.96	1.50	6.36	2.14	1.16	0.93	0.80	
25	1.32	1.88	1.47	1.22	0.83	1.84	1.43	5.94	2.07	1.15	0.92	0.80	
26	1.53	1.68	1.39	1.22	0.82	1.20	1.48	5.60	2.02	1.14	0.91	0.80	
27	1.50	1.61	1.32	1.33	0.83	1.61	1.75	5.73	1.97	1.14	0.90	0.80	
28	1.41	1.57	1.26	1.52	0.83	1.58	2.26	7.96	1.90	1.13	0.86	0.78	
29	1.37	1.49	1.19	1.70	0.82	1.54	2.42	8.54	1.84	1.12	0.84	0.77	
30	1.29	1.39	1.17	1.70	0.92	1.42	2.57	8.13	1.81	1.08		0.77	
31		1.29		1.65	1.02		2.44		1.76	1.04		0.78	
MEAN	0.88	2.03	1.43	1.54	0.99	1.85	1.72	4.96	3.52	1.34	0.92	0.87	
MAX	1.53	3.13	2.02	2.24	1.56	2.73	2.57	8.54	7.71	1.74	1.03	1.07	8.54
MIN	0.61	1.29	1.10	1.12	0.80	1.20	1.31	2.39	1.76	1.04	0.84	0.77	0.61

ANNUAL MAX MOMENTARY GAGE HEIGHT 8.71 M (A.D.) AT 21.00 HOURS, ON NOV 28, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.26 M (A.D.)
LEFT BANK ELEVATION 8.53 M (A.D.)
RIGHT BANK ELEVATION 8.36 M (A.D.), DRAINAGE AREA 1562 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.06	8.60	6.36	4.92	8.60	5.56	6.92	19.46	177.25	10.52	4.04	2.84	
2	1.18	14.00	7.40	4.84	7.90	8.20	8.10	20.02	146.05	10.00	3.96	2.84	
3	1.12	25.56	6.52	4.76	6.76	9.50	8.10	24.20	119.60	9.70	3.96	3.88	
4	1.30	30.30	5.72	5.00	6.04	10.00	7.10	30.48	95.80	9.40	3.88	4.36	
5	1.30	31.20	5.08	5.24	5.32	10.52	6.44	39.10	81.00	9.10	3.80	3.64	
6	1.36	31.74	5.24	5.48	4.60	10.78	6.28	40.90	73.56	8.50	3.64	3.32	
7	1.54	27.96	4.68	5.96	3.72	8.90	7.10	33.54	65.60	8.10	3.48	3.24	
8	1.90	22.05	4.60	6.44	3.56	8.70	8.20	25.90	58.46	8.20	3.56	3.80	
9	1.84	18.06	4.60	6.92	3.40	7.10	7.80	22.67	53.70	7.90	3.40	3.56	
10	2.14	16.80	4.60	12.21	3.24	6.44	8.50	24.37	50.50	7.60	3.32	3.24	
11	1.78	15.12	5.00	13.02	3.16	6.92	11.17	24.20	48.10	7.20	3.24	3.24	
12	1.78	12.47	6.20	12.60	3.48	8.70	8.80	24.71	42.10	7.10	3.08	3.00	
13	1.72	15.54	7.00	16.80	3.88	11.82	6.28	27.96	38.12	6.92	3.00	2.60	
14	1.60	16.38	8.30	17.36	4.20	13.30	6.84	38.90	34.44	6.68	3.00	2.44	
15	1.60	15.54	11.43	16.10	4.12	16.94	9.60	45.30	31.56	6.44	3.00	2.36	
16	1.72	13.86	14.28	14.84	3.80	22.05	13.72	61.54	29.04	6.28	3.08	2.20	
17	2.02	12.74	14.00	12.21	3.56	22.84	18.20	127.80	26.58	5.96	2.84	2.14	
18	2.20	11.17	11.30	9.70	3.08	24.71	14.98	179.50	23.86	5.56	2.76	2.08	
19	2.68	10.13	11.43	8.80	2.84	23.69	14.70	178.00	22.20	5.40	2.60	2.02	
20	2.36	9.00	10.91	8.00	2.68	20.86	12.60	169.50	20.44	5.40	2.60	2.14	
21	2.20	9.00	9.80	7.60	2.28	19.18	11.43	156.40	19.32	5.24	2.52	3.16	
22	2.08	9.90	9.30	6.92	2.28	18.06	9.90	140.50	18.06	5.16	2.68	3.00	
23	2.44	12.88	8.90	6.28	2.20	16.80	9.00	124.00	17.08	5.08	3.00	2.60	
24	5.48	12.74	8.40	5.72	2.36	13.44	8.00	109.10	15.96	5.08	3.24	2.20	
25	6.36	12.34	7.70	5.56	2.44	11.82	7.30	95.20	14.98	5.00	3.16	2.20	
26	8.30	9.80	6.92	5.56	2.36	5.40	7.80	85.00	14.28	4.92	3.08	2.20	
27	8.00	9.10	6.36	6.44	2.44	9.10	10.65	88.90	13.58	4.92	3.00	2.20	
28	7.10	8.70	5.88	8.20	2.44	8.80	17.64	196.80	12.60	4.84	2.68	2.08	
29	6.76	7.90	5.32	10.00	2.36	8.40	19.88	293.80	11.82	4.76	2.52	2.02	
30	6.12	6.92	5.16	10.00	3.16	7.20	22.05	213.60	11.43	4.44		2.02	
31		6.12		9.50	3.96		20.16		10.78	4.12		2.08	
TOTAL	89.04	463.62	228.19	272.98	116.22	375.73	335.24	2661.35	1397.85	205.52	92.12	84.70	6322.55 CMSDAY
MEAN	2.97	14.96	7.61	8.81	3.75	12.52	10.81	88.71	45.09	6.63	3.18	2.73	17.27 CMS
MAX	8.30	31.74	14.28	17.36	8.60	24.71	22.05	293.80	177.25	10.52	4.04	4.36	293.80 CMS
MIN	1.06	6.12	4.60	4.76	2.20	5.40	6.28	19.46	10.78	4.12	2.52	2.02	1.06 CMS
RUNOFF	7.693	40.057	19.716	23.585	10.041	32.463	28.965	229.940	120.774	17.757	7.959	7.318	546.268 MCM

MOMENTARY PEAK 349.00 CMS, AT 8.71 M (A.D), AT 21.00 HOURS, ON NOV 28, 1979

RUNOFF YIELD 11.06 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 223.43 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG SADAO AT BAN PHRAI, SONGKHLA (X.111)

LOCATION — LAT. 6°-39'-37" N., LONG. 100°-26'-09" E., AT BAN PHRAI, AMPHOE SADAO, SONGKHLA.

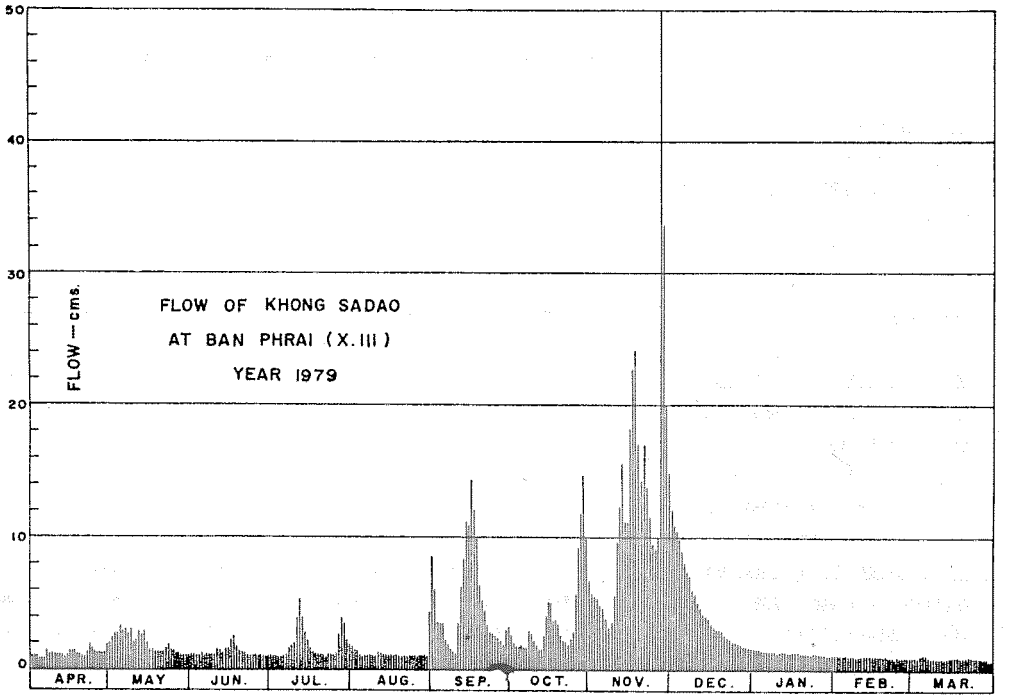
DRAINAGE AREA	256 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	-
LOCATION	-
ELEVATION	-
GAGE READING FREQUENCY	5-TIME DAILY READINGS AT 06.00, 09.00, 12.00, 15.00 AND 18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 5 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 36 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT DURING MAY 1-4,1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.49	1.02	0.54	0.56	0.70	3.14	1.21	2.48	3.66	0.78	0.54	0.46	
2	0.55	1.20	0.54	0.52	0.62	2.35	1.01	2.33	3.50	0.76	0.53	0.46	
3	0.48	1.25	0.55	0.53	0.60	1.67	0.86	2.30	3.45	0.73	0.52	0.46	
4	0.45	1.30	0.53	0.53	0.57	1.64	0.86	2.22	3.32	0.71	0.52	0.50	
5	0.47	1.52	0.53	0.52	0.57	1.62	0.91	2.04	3.16	0.70	0.52	0.52	
6	0.44	1.32	0.52	0.54	0.57	1.16	0.79	1.93	2.95	0.68	0.52	0.49	
7	0.74	1.39	0.52	0.63	0.57	0.89	0.76	1.62	2.83	0.67	0.51	0.47	
8	0.62	1.24	0.54	0.79	0.57	0.73	1.41	1.49	2.69	0.66	0.51	0.46	
9	0.65	1.34	0.63	0.94	0.56	0.74	1.19	1.61	2.50	0.64	0.51	0.45	
10	0.58	1.03	0.62	0.92	0.58	1.06	0.95	2.48	2.30	0.64	0.51	0.45	
11	0.56	1.08	0.83	1.42	0.67	1.77	0.90	3.22	2.11	0.63	0.50	0.44	
12	0.50	1.29	0.68	2.20	0.63	2.63	0.77	3.61	1.91	0.62	0.50	0.44	
13	0.50	1.19	0.64	1.76	0.57	3.15	0.87	3.84	1.78	0.61	0.50	0.44	
14	0.48	1.31	0.80	1.32	0.52	3.55	1.47	3.53	1.68	0.61	0.49	0.44	
15	0.68	0.94	0.78	1.08	0.53	3.49	2.17	3.54	1.66	0.60	0.49	0.42	
16	0.75	0.68	1.03	0.83	0.53	3.79	2.16	3.98	1.48	0.59	0.49	0.42	
17	0.64	0.72	1.15	0.70	0.52	3.61	2.10	4.06	1.41	0.59	0.48	0.42	
18	0.58	0.67	0.79	0.64	0.51	3.19	1.58	4.03	1.34	0.58	0.48	0.42	
19	0.55	0.66	0.66	0.60	0.51	2.68	1.66	3.84	1.26	0.58	0.47	0.42	
20	0.54	0.68	0.66	0.60	0.51	2.24	1.39	3.80	1.20	0.57	0.47	0.45	
21	0.57	0.68	0.60	0.58	0.54	1.81	1.14	3.89	1.16	0.57	0.47	0.46	
22	0.70	0.84	0.57	0.57	0.53	1.48	1.02	3.77	1.09	0.57	0.47	0.46	
23	0.70	0.94	0.54	0.60	0.54	1.31	0.93	3.61	1.03	0.57	0.48	0.45	
24	0.91	0.75	0.53	0.59	0.53	1.29	1.10	3.43	0.99	0.56	0.52	0.42	
25	0.65	0.69	0.52	0.58	0.52	1.27	1.15	3.21	0.97	0.56	0.50	0.40	
26	0.62	0.59	0.51	0.67	0.51	1.12	1.91	3.25	0.93	0.55	0.48	0.38	
27	0.67	0.58	0.51	1.12	0.52	0.98	3.02	4.56	0.90	0.55	0.47	0.38	
28	0.63	0.56	0.52	1.75	0.59	0.93	3.60	4.25	0.86	0.55	0.47	0.40	
29	0.62	0.55	0.52	1.60	0.54	1.40	3.81	4.00	0.82	0.54	0.47	0.38	
30	0.88	0.53	0.52	1.07	0.94	1.46	3.48	3.82	0.80	0.54		0.38	
31		0.53		0.87	2.59		2.94		0.79	0.54		0.38	
MEAN	0.61	0.94	0.63	0.89	0.64	1.94	1.58	3.19	1.82	0.61	0.50	0.44	
MAX	0.91	1.52	1.15	2.20	2.59	3.79	3.81	4.56	3.66	0.78	0.54	0.52	4.56
MIN	0.44	0.53	0.51	0.52	0.51	0.73	0.76	1.49	0.79	0.54	0.47	0.38	0.38

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.60 M (A.D), AT 9.00 HOURS, ON NOV 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 256 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.00	2.20	1.11	1.15	1.46	8.70	2.67	6.09	12.36	1.64	1.11	0.93	
2	1.13	2.65	1.11	1.06	1.28	5.70	2.17	5.64	10.90	1.59	1.09	0.93	
3	0.98	2.77	1.13	1.09	1.24	3.82	1.81	5.55	10.55	1.53	1.06	0.93	
4	0.91	2.90	1.09	1.09	1.17	3.75	1.81	5.31	9.68	1.48	1.06	1.02	
5	0.95	3.45	1.09	1.06	1.17	3.70	1.92	4.77	8.80	1.46	1.06	1.06	
6	0.89	2.95	1.06	1.11	1.17	2.55	1.66	4.47	7.85	1.42	1.06	1.00	
7	1.55	3.12	1.06	1.31	1.17	1.88	1.59	3.70	7.37	1.39	1.04	0.95	
8	1.28	2.75	1.11	1.66	1.17	1.53	3.17	3.37	6.81	1.37	1.04	0.93	
9	1.35	3.00	1.31	2.00	1.15	1.55	2.62	3.67	6.15	1.33	1.04	0.91	
10	1.20	2.22	1.28	1.95	1.20	2.30	2.02	6.09	5.55	1.33	1.04	0.91	
11	1.15	2.35	1.75	3.20	1.39	4.07	1.90	9.11	4.98	1.31	1.02	0.89	
12	1.02	2.87	1.42	5.25	1.31	6.60	1.61	11.81	4.42	1.28	1.02	0.89	
13	1.02	2.62	1.33	4.05	1.17	8.75	1.83	15.52	4.10	1.26	1.02	0.89	
14	0.98	2.92	1.68	2.95	1.06	11.30	3.32	11.14	3.85	1.26	1.00	0.89	
15	1.42	2.00	1.64	2.35	1.09	10.83	5.16	11.22	3.80	1.24	1.00	0.84	
16	1.57	1.42	2.22	1.75	1.09	14.24	5.13	20.40	3.35	1.22	1.00	0.84	
17	1.33	1.50	2.52	1.46	1.06	11.81	4.95	24.08	3.17	1.22	0.98	0.84	
18	1.20	1.39	1.66	1.33	1.04	8.95	3.60	22.64	3.00	1.20	0.98	0.84	
19	1.13	1.37	1.37	1.24	1.04	6.78	3.80	15.52	2.80	1.20	0.95	0.84	
20	1.11	1.42	1.37	1.24	1.04	5.37	3.12	14.40	2.65	1.17	0.95	0.91	
21	1.17	1.42	1.24	1.20	1.11	4.17	2.50	16.92	2.55	1.17	0.95	0.93	
22	1.46	1.77	1.17	1.17	1.09	3.35	2.20	13.92	2.37	1.17	0.95	0.93	
23	1.46	2.00	1.11	1.24	1.11	2.92	1.97	11.81	2.22	1.17	0.98	0.91	
24	1.92	1.57	1.09	1.22	1.09	2.87	2.40	10.41	2.12	1.15	1.06	0.84	
25	1.35	1.44	1.06	1.20	1.06	2.82	2.52	9.05	2.07	1.15	1.02	0.80	
26	1.28	1.22	1.04	1.39	1.04	2.45	4.42	9.27	1.97	1.13	0.98	0.76	
27	1.39	1.20	1.04	2.45	1.06	2.10	8.14	57.04	1.90	1.13	0.95	0.76	
28	1.31	1.15	1.06	4.02	1.22	1.97	11.70	34.40	1.81	1.13	0.95	0.80	
29	1.28	1.13	1.06	3.65	1.11	3.15	14.68	21.20	1.72	1.11	0.95	0.76	
30	1.86	1.09	1.06	2.32	2.00	3.30	10.76	14.96	1.68	1.11		0.76	
31		1.09		1.83	6.46		7.81		1.66	1.11		0.76	
TOTAL	37.65	62.95	39.24	59.99	41.82	153.28	124.96	403.48	144.21	39.43	29.31	27.25	1163.57 CMSDAY
MEAN	1.25	2.03	1.31	1.94	1.35	5.11	4.03	13.45	4.65	1.27	1.01	0.88	3.18 CMS
MAX	1.92	3.45	2.52	5.25	6.46	14.24	14.68	57.04	12.36	1.64	1.11	1.06	57.04 CMS
MIN	0.89	1.09	1.04	1.06	1.04	1.53	1.59	3.37	1.66	1.11	0.95	0.76	0.76 CMS
RUNOFF	3.253	5.439	3.390	5.183	3.613	13.243	10.797	34.861	12.460	3.407	2.532	2.354	100.532 MCM

MOMENTARY PEAK 60.40 CMS, AT 4.60 M (A.D), AT 9.00 HOURS, ON NOV 27, 1979

RUNOFF YIELD 12.42 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 235.94 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG LAM AT BAN PRIK (I), SONGKHLA (X.112)

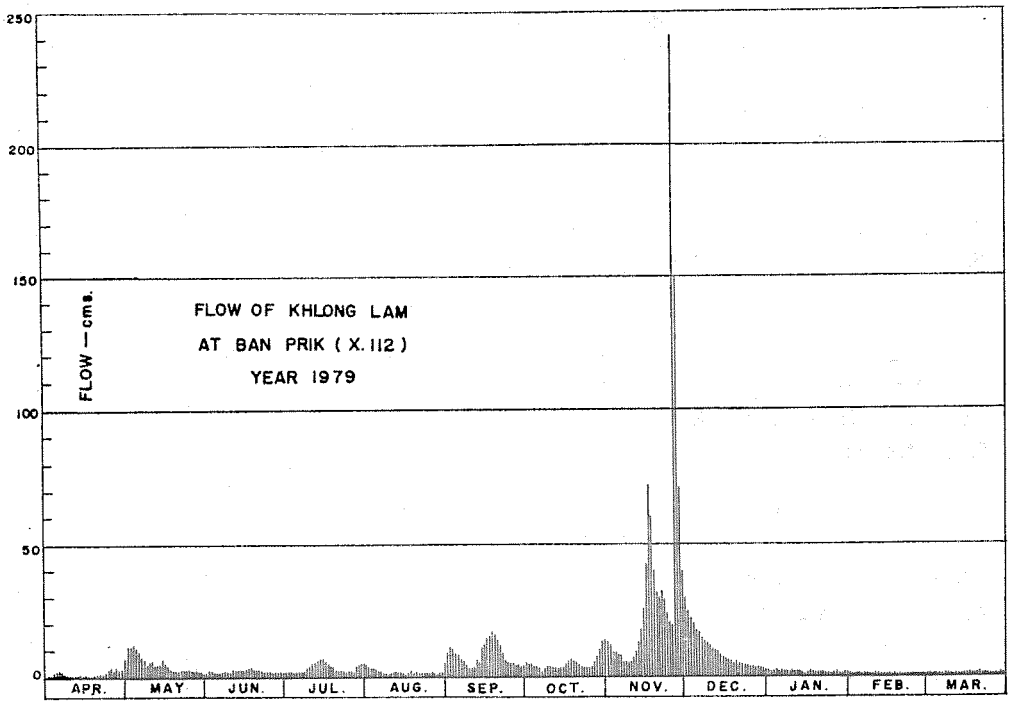
LOCATION — LAT. 6°42'11" N., LONG. 100°26'10" E., AT BAN PRIK (I), AMPHOE SADAO, SONGKHLA.

DRAINAGE AREA	493 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	OVERBANK FLOW STARTS AT ELEVATION +6.42 M.(A.D.) AND IS INCLUDED.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.70	4.19	1.57	1.20	2.13	4.10	2.82	4.68	5.90	1.91	1.19	0.98	
2	0.69	4.52	1.79	1.25	1.90	4.42	2.67	4.30	5.72	1.90	1.16	0.98	
3	0.80	4.52	1.57	1.23	1.62	4.21	2.44	4.04	5.57	1.87	1.15	0.98	
4	0.71	4.51	1.40	1.33	1.52	3.83	2.16	3.84	5.40	1.82	1.14	1.00	
5	0.69	4.31	1.24	1.32	1.45	3.53	2.04	3.69	5.24	1.79	1.14	1.08	
6	0.73	3.86	1.19	1.37	1.41	3.26	2.05	3.52	5.10	1.75	1.13	1.07	
7	0.73	3.50	1.15	1.61	1.36	2.82	1.98	3.38	4.88	1.72	1.12	1.02	
8	0.92	3.25	1.24	1.89	1.41	2.38	2.04	3.14	4.76	1.67	1.10	1.03	
9	1.23	3.05	1.52	2.55	1.37	2.16	2.58	3.06	4.57	1.62	1.09	1.08	
10	1.04	3.16	1.45	2.82	1.37	2.26	2.41	3.07	4.46	1.60	1.08	1.05	
11	0.93	2.87	1.72	2.79	1.52	2.67	2.21	3.62	4.20	1.56	1.07	1.01	
12	0.79	2.69	1.86	3.16	1.60	3.41	2.06	4.29	4.00	1.52	1.05	0.96	
13	0.78	2.75	1.60	3.56	1.32	2.87	2.12	4.84	3.82	1.50	1.05	0.95	
14	0.78	2.82	1.61	3.55	1.35	4.44	2.18	5.34	3.64	1.46	1.04	0.91	
15	0.80	3.10	1.76	3.13	1.27	4.77	2.76	6.00	3.44	1.44	1.03	0.89	
16	1.47	2.74	1.90	2.88	1.21	4.97	3.14	6.27	3.29	1.41	1.02	0.88	
17	0.29	2.25	2.36	2.47	1.18	5.14	3.29	6.39	3.14	1.38	1.02	0.87	
18	1.27	1.99	2.33	2.23	1.13	5.20	3.24	6.27	3.03	1.35	1.01	1.14	
19	1.02	1.84	1.91	2.10	1.09	4.98	3.03	6.13	2.91	1.33	1.00	1.14	
20	0.92	1.76	1.73	1.81	1.09	4.66	2.96	6.00	2.81	1.31	0.99	0.98	
21	0.91	1.67	1.63	1.65	1.19	4.18	2.70	6.01	2.71	1.30	0.99	0.99	
22	1.04	1.72	1.48	1.54	1.23	3.70	2.41	6.07	2.60	1.29	1.00	1.01	
23	1.52	2.17	1.36	1.51	1.21	3.26	2.23	5.93	2.53	1.28	1.02	1.04	
24	2.38	2.21	1.33	1.56	1.22	2.82	2.09	5.68	2.43	1.27	1.04	0.99	
25	2.50	1.92	1.30	1.53	1.17	2.94	2.37	5.46	2.39	1.25	1.07	0.94	
26	1.87	1.68	1.23	1.28	1.13	2.77	2.60	5.63	2.26	1.25	1.02	0.94	
27	2.28	1.51	1.22	2.24	1.12	2.58	3.43	6.90	2.16	1.21	1.00	0.81	
28	2.02	1.50	1.19	2.53	1.30	2.38	4.18	6.62	2.10	1.21	0.99	0.88	
29	2.36	1.43	1.18	2.92	1.48	2.25	4.42	6.30	2.00	1.21	0.97	0.99	
30	2.09	1.30	1.18	2.87	1.59	2.68	4.85	6.08	2.01	1.19		0.89	
31		1.28		2.46	3.18		4.89		1.99	1.19		0.88	
MEAN	1.21	2.65	1.53	2.14	1.42	3.52	2.79	5.08	3.58	1.47	1.06	0.98	
MAX	2.50	4.52	2.36	3.56	3.18	5.20	4.89	6.90	5.90	1.91	1.19	1.14	6.90
MIN	0.29	1.28	1.15	1.20	1.09	2.16	1.98	3.06	1.99	1.19	0.97	0.81	0.29

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.97 M (A.D), AT 18.00 HOURS, ON NOV 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D); RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 493 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	2.35	10.45	2.18	1.47	3.27	10.00	5.16	13.08	27.50	2.83	1.45	1.05	
2	2.51	12.12	2.60	1.57	2.82	11.60	4.71	11.00	23.80	2.82	1.39	1.05	
3	0.70	12.12	2.18	1.53	2.28	10.55	4.05	9.70	21.55	2.76	1.37	1.05	
4	2.19	12.06	1.85	1.72	2.08	8.65	3.35	8.70	19.00	2.66	1.35	1.08	
5	2.51	11.05	1.55	1.70	1.95	7.32	3.08	7.96	17.40	2.60	1.35	1.24	
6	1.86	8.80	1.45	1.80	1.87	6.48	3.10	7.28	16.00	2.53	1.33	1.22	
7	1.86	7.20	1.37	2.26	1.78	5.16	2.97	6.84	14.28	2.47	1.32	1.12	
8	0.93	6.45	1.55	2.80	1.87	3.90	3.08	6.12	13.56	2.37	1.28	1.14	
9	1.53	5.85	2.08	4.35	1.80	3.35	4.44	5.88	12.42	2.28	1.26	1.24	
10	1.16	6.18	1.95	5.16	1.80	3.60	3.97	5.91	11.80	2.24	1.24	1.18	
11	0.95	5.91	2.47	5.07	2.08	4.71	3.47	7.68	10.50	2.16	1.22	1.10	
12	0.87	4.77	2.74	6.18	2.24	6.93	3.12	10.95	9.50	2.08	1.18	1.01	
13	1.03	4.95	2.24	7.44	1.70	5.31	3.25	14.04	8.60	2.05	1.18	0.99	
14	1.03	5.16	2.26	7.40	1.76	11.70	3.40	18.40	7.76	1.97	1.16	0.91	
15	0.70	6.00	2.55	6.09	1.60	13.62	4.98	30.00	7.02	1.93	1.14	0.87	
16	1.99	4.92	2.82	5.34	1.49	14.82	6.12	55.25	6.57	1.87	1.12	0.85	
17	0.90	3.57	3.85	4.12	1.43	16.40	6.57	72.50	6.12	1.82	1.12	0.83	
18	1.60	2.99	3.77	3.52	1.33	17.00	6.42	55.25	5.79	1.76	1.10	1.35	
19	1.12	2.70	2.83	3.20	1.26	14.88	5.79	38.80	5.43	1.72	1.08	1.35	
20	0.93	2.55	2.49	2.64	1.26	12.96	5.58	30.00	5.13	1.68	1.07	1.05	
21	0.91	2.97	2.30	2.33	1.45	10.40	4.80	30.55	4.83	1.66	1.07	1.07	
22	1.16	2.47	2.01	2.12	1.53	8.00	3.97	33.85	4.50	1.64	1.08	1.10	
23	2.08	3.37	1.78	2.07	1.49	6.48	3.52	28.25	4.29	1.62	1.12	1.16	
24	3.90	3.47	1.72	2.16	1.51	5.16	3.18	23.20	4.02	1.60	1.16	1.07	
25	4.20	2.85	1.66	2.10	1.41	5.52	3.87	19.90	3.92	1.57	1.22	0.97	
26	2.76	2.39	1.53	1.62	1.33	5.01	4.50	22.45	3.60	1.57	1.12	0.97	
27	3.65	2.07	1.51	3.55	1.32	4.44	6.99	240.00	3.35	1.49	1.08	0.72	
28	3.05	2.05	1.45	4.29	1.66	3.90	10.40	120.40	3.20	1.49	1.07	0.85	
29	3.85	1.91	1.43	5.46	2.01	3.57	11.60	59.00	3.01	1.49	1.03	1.07	
30	3.18	1.66	1.43	5.31	2.22	4.74	14.10	34.40	3.03	1.45		0.87	
31		1.62		4.10	6.24		14.34		2.99	1.45		0.85	
TOTAL	57.46	161.43	63.60	110.47	59.84	246.16	167.88	1027.34	290.47	61.63	34.66	32.38	2313.32 CMSDAY
MEAN	1.92	5.21	2.12	3.56	1.93	8.21	5.42	34.24	9.37	1.99	1.20	1.04	6.32 CMS
MAX	4.20	12.12	3.85	7.44	6.24	17.00	14.34	240.00	27.50	2.83	1.45	1.35	240.00 CMS
MIN	0.70	1.62	1.37	1.47	1.26	3.35	2.97	5.88	2.99	1.45	1.03	0.72	0.70 CMS
RUNOFF	4.965	13.948	5.495	9.545	5.170	21.268	14.505	88.762	25.097	5.325	2.995	2.798	199.871 MCM

MOMENTARY PEAK 255.40 CMS, AT 6.97 M (A.D), AT 18.00 HOURS, ON NOV 27, 1979
RUNOFF YIELD 12.82 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 518.05 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

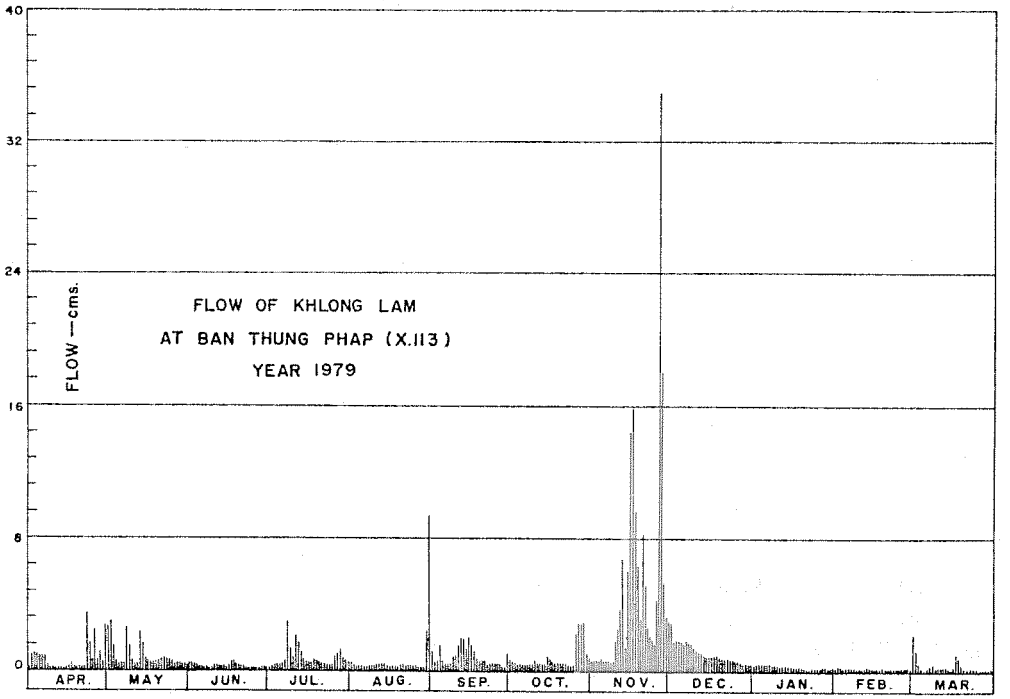
KHLONG LAM AT BAN THUNG PRAP (I), SONGKHLA (X.113)

LOCATION	LAT. 6°37'59" N., LONG. 100°23'46" E., AT BAN THUNG PRAP (I), AMPHOE SADAO, SONGKHLA.
DRAINAGE AREA	129 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M.(A.D.)
BENCH MARK	-
LOCATION	-
ELEVATION	-
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 68 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.16	2.52	1.51	1.22	1.39	1.88	1.56	1.55	2.89	1.45	1.26	1.90	
2	1.80	2.87	1.35	1.27	1.35	1.51	1.50	1.55	2.16	1.44	1.25	1.80	
3	1.80	1.66	1.33	1.31	1.33	1.56	1.44	1.57	2.19	1.43	1.25	1.19	
4	1.70	1.49	1.31	1.32	1.32	1.92	1.39	1.58	2.24	1.41	1.25	1.19	
5	1.60	1.43	1.30	1.28	1.31	1.54	1.40	1.54	2.08	1.39	1.25	1.18	
6	1.60	1.48	1.29	1.43	1.33	1.49	1.39	1.53	2.03	1.39	1.25	1.18	
7	1.60	1.44	1.29	1.48	1.33	1.43	1.44	1.50	2.03	1.38	1.25	1.35	
8	1.23	2.62	1.28	2.40	1.33	1.43	1.45	1.52	1.95	1.38	1.24	1.42	
9	1.21	1.98	1.28	1.77	1.32	1.66	1.47	1.52	1.89	1.37	1.23	1.24	
10	1.19	1.51	1.39	1.69	1.32	1.64	1.54	2.64	1.84	1.36	1.23	1.20	
11	1.18	1.42	1.36	2.71	1.39	1.96	1.45	2.38	1.79	1.36	1.23	1.19	
12	1.18	1.49	1.33	2.24	1.36	2.13	1.39	3.36	1.75	1.35	1.23	1.18	
13	1.18	2.26	1.36	1.81	1.33	2.01	1.52	2.33	1.73	1.33	1.23	1.18	
14	1.17	1.98	1.35	1.56	1.30	1.84	1.52	1.81	1.70	1.33	1.23	1.17	
15	1.19	1.53	1.31	1.50	1.29	2.15	1.66	4.29	1.67	1.32	1.22	1.16	
16	1.18	1.45	1.56	1.51	1.28	1.94	1.52	4.41	1.65	1.32	1.22	1.16	
17	1.45	1.41	1.48	1.61	1.27	1.72	1.45	3.95	1.64	1.31	1.22	1.70	
18	1.26	1.38	1.33	1.53	1.25	1.60	1.43	3.29	1.62	1.31	1.21	1.33	
19	1.24	1.39	1.31	1.41	1.25	1.56	1.51	2.52	1.61	1.30	1.21	1.23	
20	1.26	1.42	1.31	1.39	1.31	1.52	1.39	3.65	1.59	1.30	1.21	1.20	
21	1.29	1.47	1.30	1.35	1.27	1.47	1.36	2.88	1.57	1.30	1.20	1.22	
22	1.28	1.51	1.29	1.32	1.30	1.45	1.34	2.37	1.56	1.29	1.20	1.29	
23	2.94	1.51	1.27	1.33	1.29	1.53	1.33	2.14	1.54	1.29	1.23	1.22	
24	1.88	1.42	1.25	1.33	1.27	1.65	1.32	2.02	1.54	1.28	1.23	1.20	
25	1.52	1.38	1.25	1.34	1.25	1.57	1.37	1.94	1.52	1.28	1.22	1.18	
26	2.31	1.34	1.23	1.69	1.24	1.51	2.60	3.64	1.50	1.28	1.20	1.17	
27	1.58	1.41	1.23	1.71	1.23	1.44	2.45	5.41	1.48	1.27	1.20	1.16	
28	1.86	1.35	1.22	1.85	1.30	1.42	2.48	4.01	1.47	1.27	1.20	1.16	
29	1.47	1.31	1.22	1.59	1.47	1.56	2.11	3.04	1.46	1.27	1.19	1.15	
30	2.60	1.30	1.22	1.50	2.44	1.66	1.65	2.52	1.46	1.26		1.15	
31		1.49		1.45	3.84		1.56		1.45	1.26		1.23	
MEAN	1.53	1.62	1.32	1.58	1.43	1.66	1.58	2.62	1.76	1.33	1.23	1.27	
MAX	2.94	2.87	1.56	2.71	3.84	2.15	2.60	5.41	2.89	1.45	1.26	1.90	5.41
MIN	1.16	1.30	1.22	1.22	1.23	1.42	1.32	1.50	1.45	1.26	1.19	1.15	1.15

ANNUAL MAX MOMENTARY GAGE HEIGHT 6.29 M (A.D), AT 24.00 HOURS, ON NOV 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED M (A.D)
LEFT BANK ELEVATION M (A.D)
RIGHT BANK ELEVATION M (A.D), DRAINAGE AREA 129 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.16	2.86	0.66	0.23	0.48	1.45	0.74	0.72	2.90	0.57	0.29	1.50	
2	1.25	2.90	0.43	0.31	0.43	0.66	0.65	0.72	2.15	0.56	0.28	1.25	
3	1.25	0.92	0.40	0.37	0.40	0.74	0.56	0.75	2.22	0.54	0.28	0.19	
4	1.00	0.63	0.37	0.38	0.38	1.55	0.48	0.77	2.37	0.51	0.28	0.19	
5	0.80	0.54	0.35	0.32	0.37	0.71	0.50	0.71	1.95	0.48	0.28	0.18	
6	0.80	0.62	0.34	0.54	0.40	0.63	0.48	0.69	1.82	0.48	0.28	0.18	
7	0.80	0.56	0.34	0.62	0.40	0.54	0.56	0.65	1.82	0.47	0.28	0.43	
8	0.24	2.87	0.32	2.85	0.40	0.54	0.57	0.68	1.62	0.47	0.26	0.53	
9	0.21	1.70	0.32	1.18	0.38	0.92	0.60	0.68	1.48	0.45	0.24	0.26	
10	0.19	0.66	0.48	0.98	0.38	0.88	0.71	2.87	1.35	0.44	0.24	0.20	
11	0.18	0.53	0.44	2.88	0.48	1.65	0.57	2.79	1.23	0.44	0.24	0.19	
12	0.18	0.63	0.40	2.37	0.44	2.07	0.48	6.70	1.13	0.43	0.24	0.18	
13	0.18	2.43	0.44	1.28	0.40	1.77	0.68	2.64	1.07	0.40	0.24	0.18	
14	0.17	1.70	0.43	0.74	0.35	1.35	0.68	1.28	1.00	0.40	0.24	0.17	
15	0.19	0.69	0.37	0.65	0.34	2.12	0.92	14.38	0.94	0.38	0.23	0.16	
16	0.18	0.57	0.74	0.66	0.32	1.60	0.68	15.93	0.90	0.38	0.23	0.16	
17	0.57	0.51	0.62	0.82	0.31	1.05	0.57	10.72	0.88	0.37	0.23	1.00	
18	0.29	0.47	0.40	0.69	0.28	0.80	0.54	6.35	0.84	0.37	0.21	0.40	
19	0.26	0.48	0.37	0.51	0.28	0.74	0.66	2.86	0.82	0.35	0.21	0.24	
20	0.29	0.53	0.37	0.48	0.37	0.68	0.48	8.32	0.78	0.35	0.21	0.20	
21	0.34	0.60	0.35	0.43	0.31	0.60	0.44	2.90	0.75	0.35	0.20	0.23	
22	0.32	0.66	0.34	0.38	0.35	0.57	0.41	2.76	0.74	0.34	0.20	0.34	
23	3.74	0.66	0.31	0.40	0.34	0.69	0.40	2.10	0.71	0.34	0.24	0.23	
24	1.45	0.53	0.28	0.40	0.31	0.90	0.38	1.80	0.71	0.32	0.24	0.20	
25	0.68	0.47	0.28	0.41	0.28	0.75	0.45	1.60	0.68	0.32	0.23	0.18	
26	2.58	0.41	0.24	0.98	0.26	0.66	2.87	8.26	0.65	0.32	0.20	0.17	
27	0.77	0.51	0.24	1.02	0.24	0.56	2.85	34.36	0.62	0.31	0.20	0.16	
28	1.40	0.43	0.23	1.38	0.35	0.53	2.86	11.30	0.60	0.31	0.20	0.16	
29	0.60	0.37	0.23	0.78	0.60	0.74	2.02	5.18	0.59	0.31	0.19	0.15	
30	2.87	0.35	0.23	0.65	2.85	0.92	0.90	2.86	0.59	0.29		0.15	
31		0.63		0.57	9.77		0.74		0.57	0.29		0.24	
TOTAL	23.94	28.42	11.32	26.26	23.25	29.37	26.43	154.33	36.48	12.34	6.89	10.00	389.03 CMSDAY
MEAN	0.80	0.92	0.38	0.85	0.75	0.98	0.85	5.14	1.18	0.40	0.24	0.32	1.06 CMS
MAX	3.74	2.90	0.74	2.88	9.77	2.12	2.87	34.36	2.90	0.57	0.29	1.50	34.36 CMS
MIN	0.16	0.35	0.23	0.23	0.24	0.53	0.38	0.65	0.57	0.29	0.19	0.15	0.15 CMS
RUNOFF	2.068	2.455	0.978	2.269	2.009	2.538	2.284	13.334	3.152	1.066	0.595	0.864	33.612 MCM

MOMENTARY PEAK 60.66 CMS, AT 6.29 M (A.D), AT 24.00 HOURS, ON NOV 26, 1979
RUNOFF YIELD 8.24 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 470.23 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

PATTANI RIVER AT YALA, YALA (X.40)

LOCATION — LAT. 6°-34'-03" N., LONG. 101°-17'-40" E., ON RIGHT BANK ABOUT 500 METERS DOWNSTREAM FROM STATE RAILWAY BRIDGE CROSSING PATTANI RIVER AT BAN SATENG NOK, AMPHOE MUANG, YALA.

DRAINAGE AREA — 3,295 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +9.60 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 15 METERS UPSTREAM FROM THE TOP STAFF GAGE.

ELEVATION — +16.134 M. (M.S.L.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1964 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1964-1975

RATED BY FLOAT — -

RATED BY CURRENT METER — 1964-1975

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

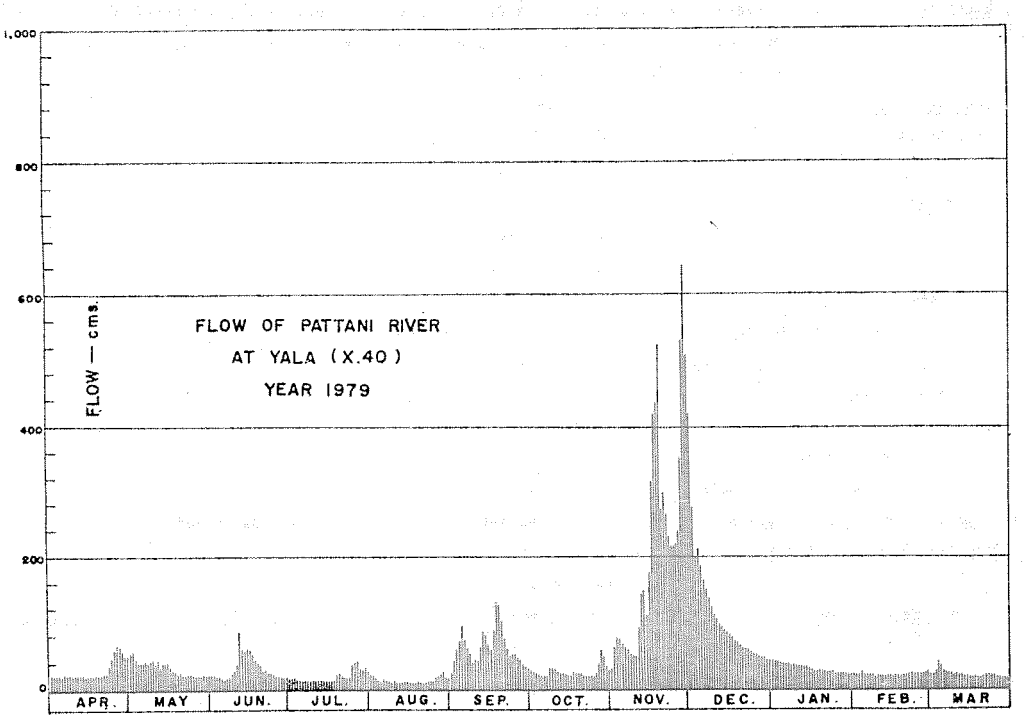
OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 2.198 DISCHARGE MEASUREMENTS MADE DURING 1966-1975.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	10.48	11.17	10.51	10.43	10.58	10.72	10.72	10.76	14.10	11.00	10.60	10.53	
2	10.49	11.26	10.49	10.42	10.51	11.25	10.68	11.35	13.31	10.98	10.59	10.51	
3	10.50	11.03	10.48	10.42	10.44	11.34	10.66	11.57	12.90	10.96	10.58	10.72	
4	10.52	10.92	10.45	10.41	10.43	11.48	10.58	11.48	13.00	10.94	10.57	10.90	
5	10.51	10.94	10.44	10.40	10.41	11.78	10.55	11.42	12.82	10.93	10.56	10.75	
6	10.52	10.89	10.43	10.39	10.39	11.47	10.57	11.34	12.52	10.91	10.55	10.63	
7	10.52	10.97	10.44	10.38	10.38	11.23	10.60	11.35	12.36	10.89	10.55	10.58	
8	10.55	10.99	10.47	10.38	10.38	11.12	10.82	11.16	12.23	10.87	10.54	10.60	
9	10.54	11.02	10.69	10.37	10.38	10.99	10.77	11.18	12.07	10.86	10.53	10.59	
10	10.53	10.97	10.73	10.37	10.37	11.09	10.74	11.09	11.95	10.85	10.52	10.61	
11	10.51	10.99	11.08	10.37	10.36	11.01	10.69	11.35	11.85	10.83	10.52	10.56	
12	10.49	11.03	11.67	10.37	10.36	11.43	10.65	12.22	11.76	10.81	10.51	10.52	
13	10.50	10.84	11.25	10.37	10.35	11.65	10.63	12.37	11.71	10.80	10.51	10.48	
14	10.49	10.96	11.25	10.36	10.34	11.55	10.62	11.94	11.65	10.78	10.50	10.46	
15	10.50	10.94	11.32	10.36	10.33	11.36	10.61	12.13	11.61	10.75	10.49	10.45	
16	10.51	10.81	11.22	10.37	10.33	11.20	10.60	13.32	11.56	10.74	10.50	10.45	
17	10.53	10.71	11.10	10.46	10.32	11.65	10.71	14.50	11.50	10.73	10.52	10.44	
18	10.55	10.64	11.01	10.45	10.31	12.18	10.63	14.55	11.44	10.72	10.55	10.44	
19	10.54	10.59	10.93	10.64	10.30	12.13	10.62	13.91	11.39	10.71	10.57	10.44	
20	10.53	10.58	10.81	10.64	10.30	11.68	10.60	13.52	11.34	10.70	10.58	10.45	
21	10.55	10.56	10.71	10.55	10.31	11.47	10.59	13.74	11.30	10.69	10.59	10.50	
22	10.59	10.57	10.66	10.48	10.31	11.27	10.58	13.39	11.27	10.68	10.60	10.54	
23	10.84	10.59	10.61	10.51	10.33	11.16	10.56	13.17	11.22	10.67	10.60	10.53	
24	10.99	10.58	10.57	10.64	10.32	11.20	10.55	13.05	11.19	10.66	10.61	10.48	
25	11.21	10.56	10.54	10.94	10.36	11.13	10.55	13.05	11.15	10.65	10.62	10.44	
26	11.41	10.55	10.51	10.96	10.56	11.01	10.62	13.12	11.13	10.65	10.55	10.40	
27	11.36	10.54	10.53	10.99	10.59	10.89	10.96	14.15	11.10	10.64	10.57	10.40	
28	11.25	10.53	10.50	10.74	10.66	10.82	11.32	15.04	11.08	10.63	10.62	10.38	
29	11.10	10.54	10.47	10.75	10.62	10.79	11.06	15.42	11.06	10.63	10.61	10.38	
30	11.13	10.55	10.44	10.75	10.55	10.74	10.87	15.02	11.04	10.62		10.37	
31		10.56		10.74	10.51		10.75		11.02	10.61		10.37	
MEAN	10.69	10.79	10.74	10.53	10.41	11.29	10.69	12.72	11.79	10.77	10.56	10.51	
MAX	11.41	11.26	11.67	10.99	10.66	12.18	11.32	15.42	14.10	11.00	10.62	10.90	15.42
MIN	10.48	10.54	10.43	10.36	10.30	10.72	10.55	10.76	11.02	10.61	10.49	10.37	10.30

ANNUAL MAX MOMENTARY GAGE HEIGHT 15.46 M (MSL), AT 12.00 HOURS, ON NOV 29, 1979
ZERO GAGE AT BOTTOM ELEVATION 9.60 M (MSL), RIVER BED 9.23 M (MSL)
LEFT BANK ELEVATION 16.14 M (MSL)
RIGHT BANK ELEVATION 15.78 M (MSL), DRAINAGE AREA 3295 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	18.20	53.20	19.40	16.20	22.20	29.00	29.00	31.00	350.00	43.00	23.00	20.20	
2	18.60	58.60	18.60	15.80	19.40	58.00	27.00	64.00	247.20	42.00	22.68	19.40	
3	19.00	44.80	18.20	15.80	16.60	63.40	26.00	79.60	202.00	41.00	22.20	29.00	
4	19.80	39.00	17.00	15.40	16.20	72.60	22.20	72.60	212.00	40.00	21.80	38.00	
5	19.40	40.00	16.60	15.00	15.40	97.20	21.00	68.40	194.00	39.50	21.40	30.50	
6	19.80	37.50	16.20	14.60	14.60	71.90	21.80	63.40	164.00	38.50	21.00	24.50	
7	19.80	41.50	16.60	14.20	14.20	56.80	23.00	64.00	149.40	37.50	21.00	22.20	
8	21.00	42.50	17.80	14.20	14.20	50.20	34.00	52.60	137.70	36.50	20.60	23.00	
9	20.60	44.20	27.50	13.80	14.20	42.50	31.50	53.80	123.30	36.00	20.20	22.60	
10	20.20	41.50	29.50	13.80	13.80	48.40	30.00	48.40	112.50	35.50	19.80	23.50	
11	19.40	42.50	47.80	13.80	13.40	43.60	27.50	64.00	103.50	34.50	19.80	21.40	
12	18.60	44.80	87.60	13.80	13.40	69.10	25.50	136.80	95.40	33.50	19.40	19.80	
13	19.00	35.00	58.00	13.80	13.00	86.00	24.50	150.30	90.90	33.00	19.40	18.20	
14	18.60	41.00	58.00	13.40	12.60	78.00	24.00	111.60	86.00	32.00	19.00	17.40	
15	19.00	40.00	62.20	13.40	12.20	64.60	23.50	128.70	82.80	30.50	18.60	17.00	
16	19.40	33.50	56.20	13.80	12.20	55.00	23.00	248.40	78.80	30.00	19.00	17.00	
17	20.20	28.50	49.00	17.40	11.80	86.00	28.50	418.00	74.00	29.50	19.80	16.60	
18	21.00	25.00	43.60	17.00	11.40	133.20	24.50	427.00	69.80	29.00	21.00	16.60	
19	20.60	22.60	39.50	25.00	11.00	128.70	24.00	322.40	66.40	28.50	21.80	16.60	
20	20.20	22.20	33.50	25.00	11.00	88.40	23.00	272.40	63.40	28.00	22.20	17.00	
21	21.00	21.40	28.50	21.00	11.40	71.90	22.60	299.20	61.00	27.50	22.60	19.00	
22	22.60	21.80	26.00	18.20	11.40	59.20	22.20	256.80	59.20	27.00	23.00	20.60	
23	35.00	22.60	23.50	19.40	12.20	52.60	21.40	230.70	56.20	26.50	23.00	20.20	
24	42.50	22.20	21.80	25.00	11.80	55.00	21.00	217.50	54.40	26.00	23.50	18.20	
25	55.60	21.40	20.60	40.00	13.40	50.80	21.00	217.50	52.00	25.50	24.00	16.60	
26	67.70	21.00	19.40	41.00	21.40	43.60	24.00	225.20	50.80	25.50	21.00	15.00	
27	64.60	20.60	20.20	42.50	22.60	37.50	41.00	358.00	49.00	25.00	21.80	15.00	
28	58.00	20.20	19.00	30.00	26.00	34.00	62.20	529.00	47.80	24.50	24.00	14.20	
29	49.00	20.60	17.80	30.50	24.00	32.50	46.60	640.00	46.60	24.50	23.50	14.20	
30	50.80	21.00	16.60	30.50	21.00	30.00	36.50	524.00	45.40	24.00		13.80	
31		21.40		30.00	19.40		30.50		44.20	23.50		13.80	
TOTAL	859.20	1012.10	946.20	643.30	477.40	1889.70	862.50	6375.30	3269.70	977.50	620.00	611.10	18543.98 CMSDAY
MEAN	28.64	32.65	31.54	20.75	15.40	62.99	27.82	212.51	105.47	31.53	21.38	19.71	50.67 CMS
MAX	67.70	58.60	87.60	42.50	26.00	133.20	62.20	640.00	350.00	43.00	24.00	38.00	640.00 CMS
MIN	18.20	20.20	16.20	13.40	11.00	29.00	21.00	31.00	44.20	23.50	18.60	13.80	11.00 CMS
RUNOFF	74.235	87.445	81.752	55.581	41.247	163.270	74.520	550.826	282.502	84.456	53.568	52.799	1602.199 MCM

MOMENTARY PEAK 654.00 CMS, AT 15.46 M (MSL), AT 12.00 HOURS, ON NOV 29, 1979

RUNOFF YIELD 15.38 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 198.48 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA EAST COAST

KHLONG YAHA AT BAN LA AE, YALA (X.72)

LOCATION — LAT. 6°28'21" N., LONG. 101°10'03" E., ON RIGHT BANK ABOUT 4 KILOMETERS FROM AMPHOE YAHA AND ABOUT 3 KILOMETERS DOWNSTREAM FROM THE CONFLUENCE WITH KHLONG BA TAE AT BAN LA AE, AMPHOE YAHA, YALA.

DRAINAGE AREA — 382 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ALONG THE MEASURING LINE.

ELEVATION — +7.109 M. (A.D.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1967 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1967-1969

RATED BY FLOAT — -

RATED BY CURRENT METER — 1967-1969

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — OVERBANK FLOW STARTS AT ELEVATION +6.79 M. (M.S.L.) AND IS INCLUDED.

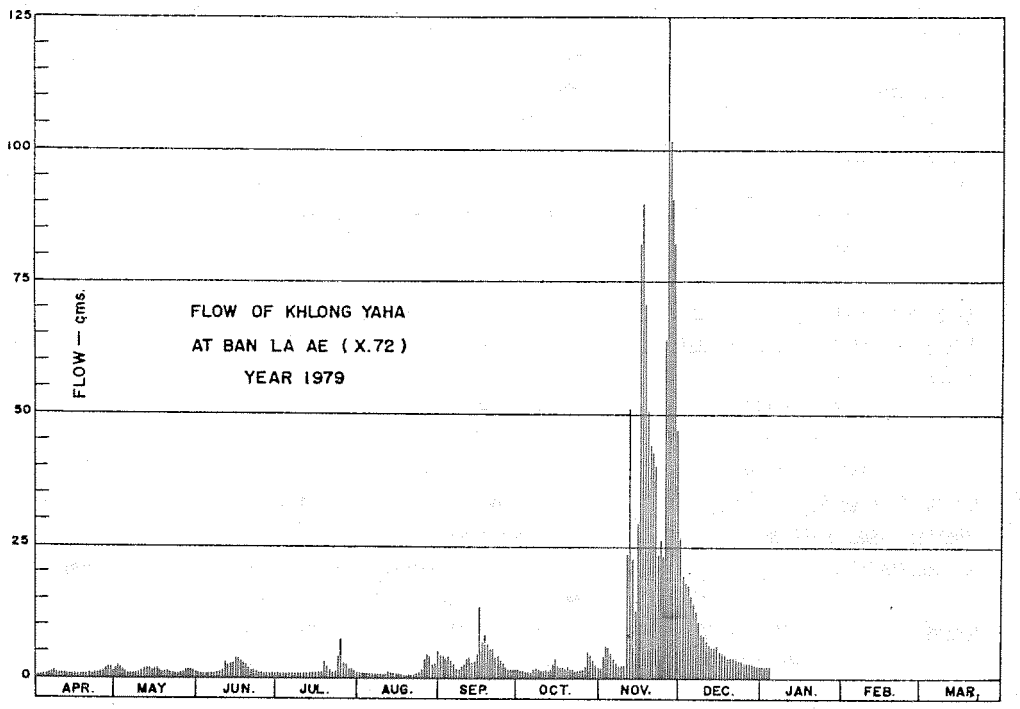
GENERAL DESCRIPTION — RECORDS POOR. STAGE-DISCHARGE RELATION DEFINED BY 202 DISCHARGE MEASUREMENTS MADE IN 1967.

REMARKS — STREAM GAGING ENDED ON JAN 5,1980.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.22	1.57	1.30	1.32	1.35	1.87	1.48	1.51	3.54	1.58	*******	*******	
2	1.16	1.54	1.30	1.31	1.32	1.85	1.45	1.83	3.18	1.57	*******	*******	
3	1.19	1.47	1.28	1.29	1.29	1.76	1.41	2.08	3.07	1.56	*******	*******	
4	1.21	1.40	1.27	1.28	1.29	1.85	1.36	2.04	3.01	1.56	*******	*******	
5	1.27	1.31	1.26	1.27	1.29	1.78	1.35	1.88	2.87	****	*******	*******	
6	1.36	1.24	1.26	1.26	1.28	1.65	1.38	1.74	2.78	****	*******	*******	
7	1.38	1.21	1.25	1.24	1.29	1.59	1.51	1.64	2.65	****	*******	*******	
8	1.36	1.22	1.25	1.23	1.27	1.51	1.50	1.58	2.49	****	*******	*******	
9	1.33	1.25	1.27	1.23	1.25	1.54	1.46	1.58	2.37	****	*******	*******	
10	1.32	1.34	1.27	1.23	1.24	1.59	1.43	1.58	2.27	****	*******	*******	
11	1.30	1.44	1.73	1.25	1.24	1.71	1.40	3.39	2.17	****	*******	*******	
12	1.27	1.50	1.58	1.24	1.24	1.78	1.37	4.66	2.11	****	*******	*******	
13	1.23	1.53	1.58	1.24	1.23	1.65	1.38	3.33	2.06	****	*******	*******	
14	1.21	1.47	1.65	1.26	1.22	1.67	1.65	2.68	2.04	****	*******	*******	
15	1.21	1.42	1.79	1.28	1.21	1.80	1.73	3.70	2.02	****	*******	*******	
16	1.21	1.47	1.81	1.27	1.20	2.78	1.61	5.80	1.96	****	*******	*******	
17	1.21	1.48	1.74	1.25	1.20	2.18	1.53	6.04	1.92	****	*******	*******	
18	1.21	1.36	1.67	1.25	1.19	2.26	1.52	5.40	1.88	****	*******	*******	
19	1.21	1.35	1.59	1.65	1.19	2.11	1.52	4.64	1.84	****	*******	*******	
20	1.24	1.35	1.51	1.49	1.18	2.00	1.52	4.37	1.81	****	*******	*******	
21	1.25	1.35	1.45	1.37	1.17	2.02	1.48	4.32	1.78	****	*******	*******	
22	1.25	1.34	1.41	1.31	1.17	1.83	1.44	4.20	1.77	****	*******	*******	
23	1.27	1.32	1.38	1.32	1.17	1.79	1.41	3.39	1.73	****	*******	*******	
24	1.32	1.31	1.35	1.84	1.21	1.82	1.38	3.54	1.71	****	*******	*******	
25	1.36	1.24	1.32	2.23	1.29	1.72	1.40	3.37	1.69	****	*******	*******	
26	1.42	1.26	1.32	1.69	1.76	1.62	1.51	5.18	1.68	****	*******	*******	
27	1.48	1.35	1.33	1.60	1.88	1.53	1.96	7.05	1.67	****	*******	*******	
28	1.53	1.46	1.31	1.53	1.81	1.51	1.87	6.42	1.65	****	*******	*******	
29	1.55	1.41	1.30	1.47	1.64	1.52	1.71	5.83	1.62	****	*******	*******	
30	1.40	1.36	1.32	1.44	1.63	1.50	1.61	4.50	1.61	****		*******	
31		1.32		1.39	1.98		1.52		1.60	****		*******	
MEAN	1.30	1.38	1.43	1.39	1.34	1.79	1.51	3.64	2.15	****	*******	*******	
MAX	1.55	1.57	1.81	2.23	1.98	2.78	1.96	7.05	3.54	1.58	*******	*******	7.05
MIN	1.16	1.21	1.25	1.23	1.17	1.50	1.35	1.51	1.60	****	*******	*******	*******

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.12 M (A.D), AT 12.00 HOURS, ON NOV 27, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED 0.81 M (A.D)
LEFT BANK ELEVATION 11.05 M (A.D)
RIGHT BANK ELEVATION 6.78 M (A.D), DRAINAGE AREA 382 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.56	2.12	0.80	0.88	1.00	4.19	1.60	1.76	26.16	2.18	*******	*******	
2	0.42	1.94	0.80	0.84	0.88	4.05	1.45	3.91	19.68	2.12	*******	*******	
3	0.48	1.55	0.74	0.77	0.77	3.42	1.25	5.92	17.95	2.06	*******	*******	
4	0.53	1.20	0.71	0.74	0.77	4.05	1.04	5.56	17.05	2.06	*******	*******	
5	0.71	0.84	0.68	0.71	0.77	3.56	1.00	4.26	15.08	****	*******	*******	
6	1.04	0.62	0.68	0.68	0.74	2.65	1.12	3.28	13.84	****	*******	*******	
7	1.12	0.53	0.65	0.62	0.77	2.24	1.76	2.58	12.15	****	*******	*******	
8	1.04	0.56	0.65	0.59	0.71	1.76	1.70	2.18	10.19	****	*******	*******	
9	0.92	0.65	0.71	0.59	0.65	1.94	1.50	2.18	8.87	****	*******	*******	
10	0.88	0.96	0.71	0.59	0.62	2.24	1.35	2.18	7.80	****	*******	*******	
11	0.80	1.40	3.21	0.65	0.62	3.07	1.20	23.32	6.80	****	*******	*******	
12	0.71	1.70	2.18	0.62	0.62	3.56	1.08	50.54	6.20	****	*******	*******	
13	0.59	1.88	2.18	0.62	0.59	2.65	1.12	22.24	5.74	****	*******	*******	
14	0.53	1.55	2.65	0.68	0.56	2.79	2.65	12.54	5.56	****	*******	*******	
15	0.53	1.30	3.63	0.74	0.53	3.70	3.21	29.30	5.38	****	*******	*******	
16	0.53	1.55	3.77	0.71	0.50	13.84	2.37	82.00	4.88	****	*******	*******	
17	0.53	1.60	3.28	0.65	0.50	6.90	1.88	89.52	4.56	****	*******	*******	
18	0.53	1.04	2.79	0.65	0.48	7.70	1.82	70.40	4.26	****	*******	*******	
19	0.53	1.00	2.24	2.65	0.48	6.20	1.82	50.06	3.98	****	*******	*******	
20	0.62	1.00	1.76	1.65	0.46	5.20	1.82	43.61	3.77	****	*******	*******	
21	0.65	1.00	1.45	1.08	0.44	5.38	1.60	42.46	3.56	****	*******	*******	
22	0.65	0.96	1.25	0.84	0.44	3.91	1.40	39.80	3.49	****	*******	*******	
23	0.71	0.88	1.12	0.88	0.44	3.63	1.25	23.32	3.21	****	*******	*******	
24	0.88	0.84	1.00	3.98	0.53	3.84	1.12	26.16	3.07	****	*******	*******	
25	1.04	0.62	0.88	7.40	0.77	3.14	1.20	22.96	2.93	****	*******	*******	
26	1.30	0.68	0.88	2.93	3.42	2.44	1.76	64.24	2.86	****	*******	*******	
27	1.60	1.00	0.92	2.30	4.26	1.88	4.88	124.95	2.79	****	*******	*******	
28	1.88	1.50	0.84	1.88	3.77	1.76	4.19	102.28	2.65	****	*******	*******	
29	2.00	1.25	0.80	1.55	2.58	1.82	3.07	82.93	2.44	****	*******	*******	
30	1.20	1.04	0.88	1.40	2.51	1.70	2.37	46.70	2.37	****		*******	
31		0.88		1.16	5.04		1.82		2.30	****		*******	
TOTAL	25.51	35.64	44.84	42.03	37.22	115.21	57.40	1083.14	231.57	****	*******	*******	******** CMSDAY
MEAN	0.85	1.15	1.49	1.36	1.20	3.84	1.85	36.10	7.47	****	*******	*******	******* CMS
MAX	2.00	2.12	3.77	7.40	5.04	13.84	4.88	124.95	26.16	2.18	*******	*******	124.95 CMS
MIN	0.42	0.53	0.65	0.59	0.44	1.70	1.00	1.76	2.30	****	*******	*******	******* CMS
RUNOFF	2.204	3.079	3.874	3.631	3.216	9.954	4.959	93.583	20.008	****	*******	*******	******** MCM

MOMENTARY PEAK 127.56 CMS, AT 7.12 M (A.D), AT 12.00 HOURS, ON NOV 27, 1979

RUNOFF YIELD LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 333.93 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA WEST COAST

KHLONG AO YON AT BAN AO YON, PHUKET (X.97)

LOCATION — LAT. 7°-49'-07" N., LONG. 98°-23'-44" E., ON LEFT BANK NEAR TANK PROJECT OF SONGKHLA NAKHARIN UNIVERSITY, AMPHOE MUANG, PHUKET.

DRAINAGE AREA — 2 SQ.KM.

TYPE OF GAGE — WATER-STAGE RECORDER.

ZERO GAGE AT BOTTOM AT — +0.810 M. (M.S.L.)

BENCH MARK — B.M.-H.S.

LOCATION — ON LEFT BANK NEAR THE GAGE SITE.

ELEVATION — +3.050 M. (M.S.L.)

GAGE READING FREQUENCY — RECORDING.

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

PERIOD OF AVAILABLE GAGE RECORDS — 1974, 1976 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1974, 1976 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1974, 1976 TO DATE.

STABILITY OF CHANNEL REGIMES — FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

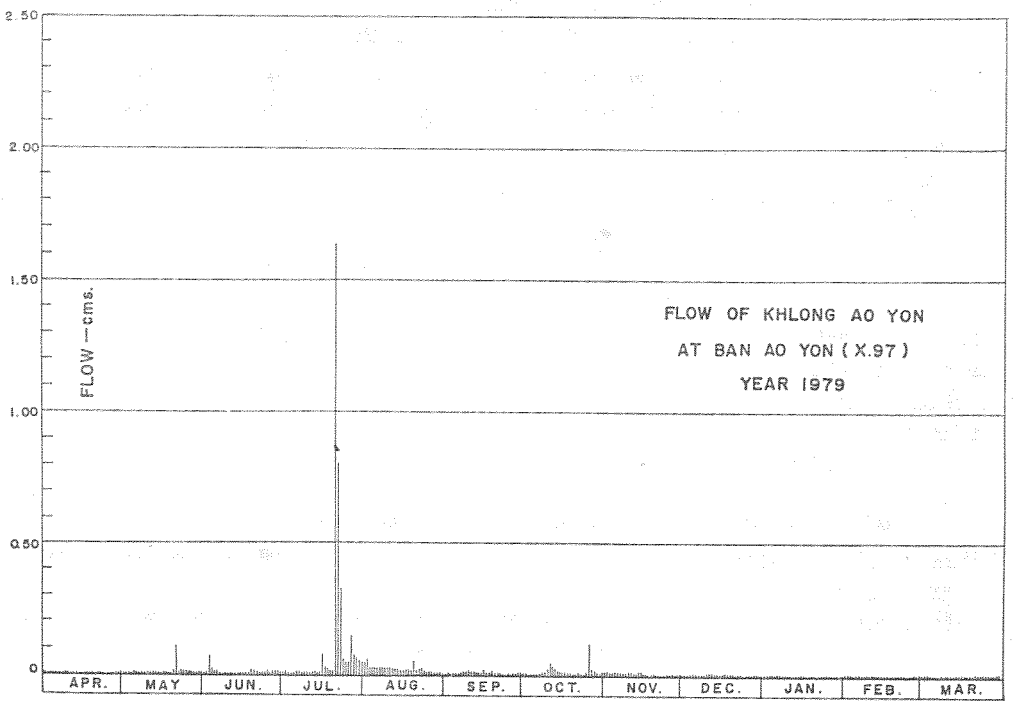
GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 16 DISCHARGE MEASUREMENTS MADE IN 1979.

REMARKS — ESTIMATED GAGE HEIGHT FOR NO FLOW DURING APR 1-MAY 20,1979 AND JAN 15-MAR 31,1980.

GAGE HEIGHT IN METER (MSL), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.81	0.81	1.02	1.06	1.16	1.08	1.07	1.08	1.05	1.02	0.83	0.82	
2	0.81	0.81	1.10	1.06	1.19	1.08	1.00	1.07	1.05	1.01	0.83	0.82	
3	0.81	0.81	1.20	1.06	1.14	1.09	1.00	1.07	1.05	1.01	0.83	0.82	
4	0.81	0.81	1.08	1.05	1.14	1.08	1.00	1.07	1.05	1.01	0.83	0.82	
5	0.81	0.81	1.06	1.06	1.13	1.07	1.10	1.07	1.04	0.98	0.83	0.82	
6	0.81	0.81	1.06	1.06	1.13	1.07	1.10	1.07	1.05	0.97	0.83	0.82	
7	0.81	0.81	1.05	1.07	1.13	1.07	1.09	1.07	1.05	0.95	0.83	0.82	
8	0.81	0.81	1.05	1.07	1.13	1.07	1.09	1.07	1.05	0.95	0.83	0.82	
9	0.81	0.81	1.05	1.07	1.13	1.07	1.11	1.07	1.05	0.92	0.83	0.82	
10	0.81	0.81	1.06	1.08	1.13	1.07	1.11	1.07	1.06	0.90	0.83	0.82	
11	0.81	0.82	1.05	1.08	1.13	1.08	1.17	1.07	1.06	0.87	0.83	0.82	
12	0.81	0.82	1.05	1.08	1.12	1.09	1.13	1.07	1.06	0.87	0.83	0.82	
13	0.81	0.82	1.05	1.08	1.12	1.09	1.11	1.07	1.05	0.85	0.83	0.82	
14	0.81	0.82	1.05	1.08	1.12	1.08	1.11	1.07	1.05	0.85	0.83	0.82	
15	0.81	0.82	1.05	1.08	1.12	1.08	1.10	1.06	1.05	0.85	0.83	0.82	
16	0.81	0.82	1.05	1.21	1.12	1.11	1.09	1.06	1.04	0.85	0.83	0.82	
17	0.81	0.82	1.06	1.13	1.11	1.09	1.08	1.05	1.03	0.85	0.83	0.82	
18	0.81	0.82	1.07	1.12	1.11	1.09	1.08	1.05	1.03	0.85	0.83	0.82	
19	0.81	0.82	1.11	1.11	1.12	1.08	1.07	1.07	1.02	0.85	0.83	0.82	
20	0.81	0.82	1.09	1.10	1.16	1.08	1.07	1.06	1.02	0.85	0.83	0.82	
21	0.81	1.22	1.08	1.66	1.12	1.08	1.07	1.06	1.02	0.84	0.83	0.82	
22	0.81	1.06	1.07	1.46	1.13	1.08	1.07	1.05	1.02	0.84	0.83	0.82	
23	0.81	1.07	1.07	1.31	1.12	1.07	1.07	1.05	1.03	0.84	0.83	0.82	
24	0.81	1.08	1.07	1.19	1.08	1.09	1.07	1.05	1.03	0.84	0.83	0.82	
25	0.81	1.08	1.07	1.16	1.08	1.08	1.06	1.05	1.03	0.84	0.83	0.82	
26	0.81	1.07	1.07	1.17	1.08	1.08	1.24	1.05	1.03	0.84	0.82	0.82	
27	0.81	1.03	1.08	1.25	1.08	1.08	1.11	1.05	1.03	0.84	0.82	0.82	
28	0.81	0.97	1.07	1.20	1.08	1.08	1.10	1.05	1.03	0.84	0.82	0.82	
29	0.81	0.92	1.07	1.18	1.07	1.08	1.09	1.05	1.03	0.83	0.82	0.82	
30	0.81	0.92	1.06	1.17	1.09	1.07	1.08	1.05	1.02	0.83		0.82	
31		0.92		1.16	1.09		1.08		1.02	0.83		0.82	
MEAN	0.81	0.89	1.07	1.15	1.12	1.08	1.09	1.06	1.04	0.89	0.83	0.82	
MAX	0.81	1.22	1.20	1.66	1.19	1.11	1.24	1.08	1.06	1.02	0.83	0.82	1.66
MIN	0.81	0.81	1.02	1.05	1.07	1.07	1.00	1.05	1.02	0.83	0.82	0.82	0.81

ANNUAL MAX MOMENTARY GAGE HEIGHT 2.61 M (MSL), AT 15.00 HOURS, ON JUL 21, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.81 M (MSL), RIVER BED M (MSL)
LEFT BANK ELEVATION 3.33 M (MSL)
RIGHT BANK ELEVATION 3.03 M (MSL), DRAINAGE AREA 2 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.00	0.00	0.00	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.01	0.01	0.06	0.01	0.00	0.01	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.07	0.01	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.01	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.01	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.01	0.03	0.01	0.02	0.01	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.01	0.03	0.01	0.05	0.01	0.01	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.01	0.02	0.01	0.03	0.01	0.01	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.08	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.01	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
21	0.00	0.10	0.01	1.64	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
22	0.00	0.01	0.01	0.66	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.01	0.01	0.24	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.01	0.01	0.06	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.01	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.01	0.01	0.05	0.01	0.01	0.13	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.01	0.15	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.01	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.01	0.06	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00		0.00	
31		0.00		0.05	0.01		0.01		0.00	0.00		0.00	
TOTAL	0.00	0.15	0.27	3.38	0.74	0.31	0.51	0.19	0.03	0.00	0.00	0.00	5.58 CMSDAY
MEAN	0.00	0.00	0.01	0.11	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.02 CMS
MAX	0.00	0.10	0.07	1.64	0.06	0.02	0.13	0.01	0.01	0.00	0.00	0.00	1.64 CMS
MIN	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
RUNOFF	0.000	0.013	0.023	0.292	0.064	0.027	0.044	0.016	0.003	0.000	0.000	0.000	0.482 MCM

MOMENTARY PEAK 16.50 CMS, AT 2.61 M (MSL), AT 15.00 HOURS, ON JUL 21, 1979
RUNOFF YIELD 7.63 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 8249.99 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA WEST COAST

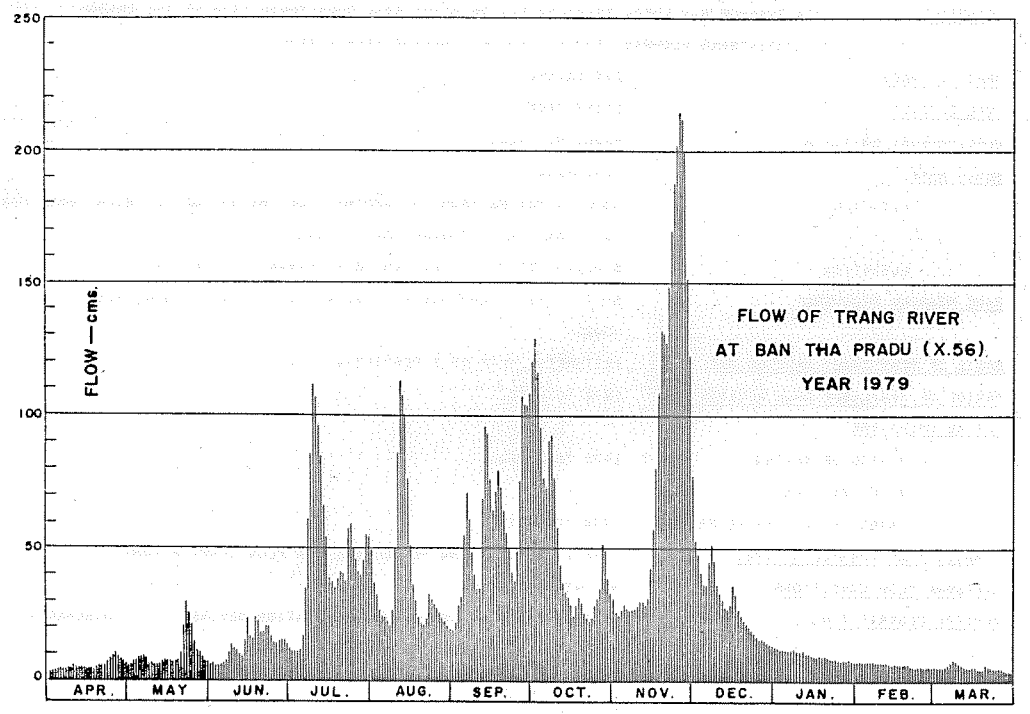
TRANG RIVER AT BAN THA PRADU, TRANG (X.56)

LOCATION	LAT. 7°-46'-01" N., LONG. 99°-32'-25" E., ON LEFT BANK ABOUT 200 METERS LEFT FROM HUAI YOT-KRABI HIGHWAY, AND ABOUT 16 KILOMETERS FROM AMPHOE HUAI YOT, TRANG.
DRAINAGE AREA	1,801 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
BENCH MARK	B.M.-H.S.
LOCATION	ON LEFT BANK NEAR THE GAGE OBSERVER'S HOUSE.
ELEVATION	+8.876 M. (A.D.)
GAGE READING FREQUENCY	13-TIME DAILY READINGS AT 06.00-18.00 HOURS.
BASIS OF MEAN DAILY GAGE HEIGHT	ARITHMETIC MEAN OF 13 READINGS.
PERIOD OF AVAILABLE GAGE RECORDS	1966 TO DATE
RATING OPERATION	
PERIOD OF RATING	1966-1969, 1978 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1966-1969, 1978 TO DATE.
STABILITY OF CHANNEL REGIMES	FAIRLY STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS GOOD. STAGE-DISCHARGE RELATION DEFINED BY 147 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	1.26	1.48	1.52	1.93	3.64	2.33	5.89	2.86	4.48	1.94	1.58	1.45	
2	1.26	1.44	1.49	1.85	3.23	2.46	5.98	2.64	3.87	1.93	1.57	1.39	
3	1.30	1.54	1.48	1.82	2.91	2.85	5.52	2.57	3.50	1.90	1.56	1.39	
4	1.33	1.58	1.45	1.86	2.71	2.92	4.99	2.74	3.30	1.87	1.55	1.38	
5	1.31	1.66	1.51	1.89	2.57	3.92	4.71	2.77	3.19	1.85	1.55	1.41	
6	1.30	1.63	1.58	2.21	2.55	4.45	4.56	2.69	3.18	1.85	1.55	1.46	
7	1.30	1.68	1.57	3.27	2.54	4.20	5.05	2.69	3.63	1.86	1.55	1.59	
8	1.31	1.61	1.90	4.33	2.42	3.71	5.10	2.73	3.76	1.87	1.54	1.63	
9	1.35	1.51	2.05	5.19	2.75	3.34	4.74	2.74	3.39	1.85	1.54	1.56	
10	1.39	1.46	1.89	5.58	4.07	3.13	4.32	2.81	3.13	1.84	1.53	1.50	
11	1.38	1.47	1.89	5.48	5.23	3.07	3.77	2.87	2.95	1.83	1.52	1.46	
12	1.37	1.51	1.74	5.01	5.60	4.60	3.33	2.87	2.81	1.81	1.52	1.41	
13	1.35	1.55	1.68	4.66	5.41	5.20	3.09	2.78	2.72	1.79	1.51	1.41	
14	1.31	1.54	2.16	4.17	4.94	5.12	3.03	3.03	2.71	1.76	1.50	1.40	
15	1.30	1.65	2.45	3.65	4.22	4.63	2.90	3.72	2.89	1.71	1.50	1.41	
16	1.30	1.58	2.20	3.27	3.58	4.26	2.75	4.14	3.15	1.73	1.50	1.39	
17	1.31	1.57	2.15	3.26	3.12	4.55	2.62	5.13	2.90	1.71	1.50	1.37	
18	1.31	1.54	2.64	3.10	2.80	4.73	2.92	5.82	2.69	1.70	1.49	1.38	
19	1.35	1.56	2.47	3.27	2.59	4.54	2.95	6.04	2.57	1.68	1.48	1.37	
20	1.43	1.60	2.25	3.38	2.44	4.30	2.68	5.98	2.46	1.68	1.47	1.46	
21	1.48	1.91	2.30	3.37	2.44	4.00	2.63	5.97	2.38	1.67	1.45	1.41	
22	1.44	2.48	2.41	3.22	2.64	3.83	2.50	6.49	2.32	1.66	1.44	1.40	
23	1.51	2.80	2.36	4.06	3.01	3.50	2.49	6.85	2.24	1.66	1.43	1.36	
24	1.65	2.63	2.16	4.08	2.87	3.24	2.66	7.11	2.19	1.65	1.42	1.35	
25	1.68	2.31	2.00	3.74	2.70	3.26	2.84	7.30	2.14	1.64	1.41	1.34	
26	1.78	2.03	2.03	3.57	2.56	4.62	2.99	7.36	2.10	1.63	1.40	1.33	
27	1.65	1.85	2.07	3.34	2.55	5.51	3.67	7.31	2.10	1.62	1.40	1.32	
28	1.60	1.74	2.15	3.34	2.54	5.44	3.78	7.02	2.08	1.61	1.39	1.30	
29	1.56	1.66	2.07	3.74	2.45	5.40	3.66	6.36	2.03	1.60	1.39	1.30	
30	1.50	1.59	2.01	3.94	2.36	5.55	3.13	5.39	1.99	1.60		1.31	
31		1.55		3.91	2.32		3.00		1.97	1.59		1.35	
MEAN	1.41	1.73	1.99	3.53	3.15	4.09	3.69	4.56	2.80	1.74	1.49	1.41	
MAX	1.78	2.80	2.64	5.58	5.60	5.55	5.98	7.36	4.48	1.94	1.58	1.63	7.36
MIN	1.26	1.44	1.45	1.82	2.32	2.33	2.49	2.57	1.97	1.59	1.39	1.30	1.26

ANNUAL MAX MOMENTARY GAGE HEIGHT 7.38 M (A.D), AT 14.00 HOURS, ON NOV 26, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D), RIVER BED -0.90 M (A.D)
LEFT BANK ELEVATION 12.85 M (A.D)
RIGHT BANK ELEVATION 12.90 M (A.D), DRAINAGE AREA 1801 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	3.28	6.32	6.88	12.95	48.00	19.77	125.05	30.20	71.40	13.10	7.72	5.90	
2	3.28	5.76	6.46	11.75	37.75	22.20	129.10	25.80	53.75	12.95	7.58	5.06	
3	3.80	7.16	6.32	11.30	31.20	30.00	108.80	24.40	44.50	12.50	7.44	5.06	
4	4.22	7.72	5.90	11.90	27.20	31.40	89.14	27.80	39.50	12.05	7.30	4.92	
5	3.94	8.90	6.74	12.35	24.40	55.00	78.99	28.40	36.80	11.75	7.30	5.34	
6	3.80	8.45	7.72	17.67	24.00	70.50	73.80	26.80	36.60	11.75	7.30	6.04	
7	3.80	9.20	7.58	38.75	23.80	63.00	91.31	26.80	47.75	11.90	7.30	7.86	
8	3.94	8.15	12.50	66.90	21.40	49.75	93.12	27.60	51.00	12.05	7.16	6.45	
9	4.50	6.74	14.87	96.39	28.00	40.50	80.07	27.80	41.75	11.75	7.16	7.44	
10	5.06	6.04	12.35	111.20	59.10	35.60	66.60	29.20	35.60	11.60	7.02	6.60	
11	4.92	6.18	11.45	107.20	97.84	34.40	51.25	30.40	32.00	11.45	6.88	6.04	
12	4.78	6.74	10.10	89.86	112.00	75.00	40.25	30.40	29.20	11.15	6.88	5.34	
13	4.50	7.30	9.20	77.17	104.40	96.75	34.80	28.60	27.40	10.65	6.74	5.34	
14	3.94	7.16	16.80	62.10	87.32	93.85	33.60	33.60	27.20	10.40	6.60	5.20	
15	3.80	8.75	22.00	48.25	63.60	76.09	31.00	50.00	30.80	9.65	6.60	5.34	
16	3.80	7.72	17.50	38.75	46.50	64.80	28.00	61.20	36.00	9.95	6.60	5.06	
17	3.94	7.58	16.62	38.50	35.40	73.50	25.40	94.21	31.00	9.65	6.60	4.78	
18	3.94	7.16	25.80	35.00	29.00	79.71	31.40	121.90	26.80	9.50	6.46	4.92	
19	4.50	7.44	22.40	38.75	24.80	73.20	32.00	132.00	24.40	9.20	6.32	4.78	
20	5.62	8.00	18.38	41.50	21.80	66.00	26.60	129.10	22.20	9.20	6.18	6.04	
21	6.32	12.65	19.25	41.25	21.80	57.00	25.60	128.65	20.65	9.05	5.90	5.34	
22	5.76	22.60	21.20	37.50	25.80	52.75	23.00	154.95	19.60	8.90	5.76	5.20	
23	6.74	29.00	20.30	58.80	33.20	44.50	22.80	176.25	18.20	8.90	5.62	4.64	
24	8.75	25.60	16.80	59.40	30.40	38.00	26.20	194.25	17.32	8.75	5.48	4.50	
25	9.20	19.43	14.00	50.50	27.00	38.50	29.80	209.50	16.45	8.60	5.34	4.36	
26	10.70	14.52	14.52	46.25	24.20	75.72	32.80	214.60	15.75	8.45	5.20	4.22	
27	8.75	11.75	15.22	40.50	24.00	108.40	48.75	210.35	15.75	8.30	5.20	4.08	
28	8.00	10.10	16.62	40.50	23.80	105.60	51.50	187.50	15.40	8.15	5.06	3.80	
29	7.44	8.90	15.22	50.50	22.00	104.00	48.50	148.00	14.52	8.00	5.06	3.80	
30	6.60	7.86	14.17	55.50	20.30	110.00	35.60	103.64	13.85	8.00		3.94	
31		7.30		54.75	19.60		33.00		13.55	7.86		4.50	
TOTAL	161.62	318.18	424.87	1503.69	1219.61	1885.49	1647.83	2713.90	926.69	315.36	187.76	163.89	11468.88 CMSDAY
MEAN	5.39	10.26	14.16	48.51	39.34	62.85	53.16	90.46	29.89	10.17	6.47	5.29	31.34 CMS
MAX	10.70	29.00	25.80	111.20	112.00	110.00	129.10	214.60	71.40	13.10	7.72	8.45	214.60 CMS
MIN	3.28	5.76	5.90	11.30	19.60	19.77	22.80	24.40	13.55	7.86	5.06	3.80	3.28 CMS
RUNOFF	13.964	27.491	36.709	129.919	105.374	162.906	142.372	234.481	80.066	27.247	16.222	14.160	990.911 MCM

MOMENTARY PEAK 216.30 CMS, AT 7.38 M (A.D), AT 14.00 HOURS, ON NOV 26, 1979
RUNOFF YIELD 17.40 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 120.10 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA WEST COAST

KHLONG CHI AT BAN KHLONG CHI, TRANG (X.107)

LOCATION — LAT. 7°44'08" N., LONG. 99°24'42" E., ON RIGHT BANK DOWNSTREAM SIDE OF THE BRIDGE OF KRABI-TRANG HIGHWAY, BAN KHLONG CHI, AMPHOE SIKAO, TRANG.

DRAINAGE AREA — 248 SQ.KM.

TYPE OF GAGE — STAFF GAGE.

ZERO GAGE AT BOTTOM AT — +0.00 M. (A.D.)

BENCH MARK — B.M.-H.S.

LOCATION — ABOUT 5 METERS FROM THE ABUTMENT OF THE BRIDGE, ON RIGHT BANK FOR B.M.1 AND ON LEFT BANK FOR B.M.2.

ELEVATION — B.M.1=+7.775 M. (A.D.) AND B.M.2=+6.470 M. (A.D.)

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

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

PERIOD OF AVAILABLE GAGE RECORDS — 1978 TO DATE.

RATING OPERATION

PERIOD OF RATING — 1978 TO DATE.

RATED BY FLOAT — -

RATED BY CURRENT METER — 1978 TO DATE.

STABILITY OF CHANNEL REGIMES — STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.

OVERBANK FLOW CONDITIONS — NO OVERBANK FLOW.

GENERAL DESCRIPTION — RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 43 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

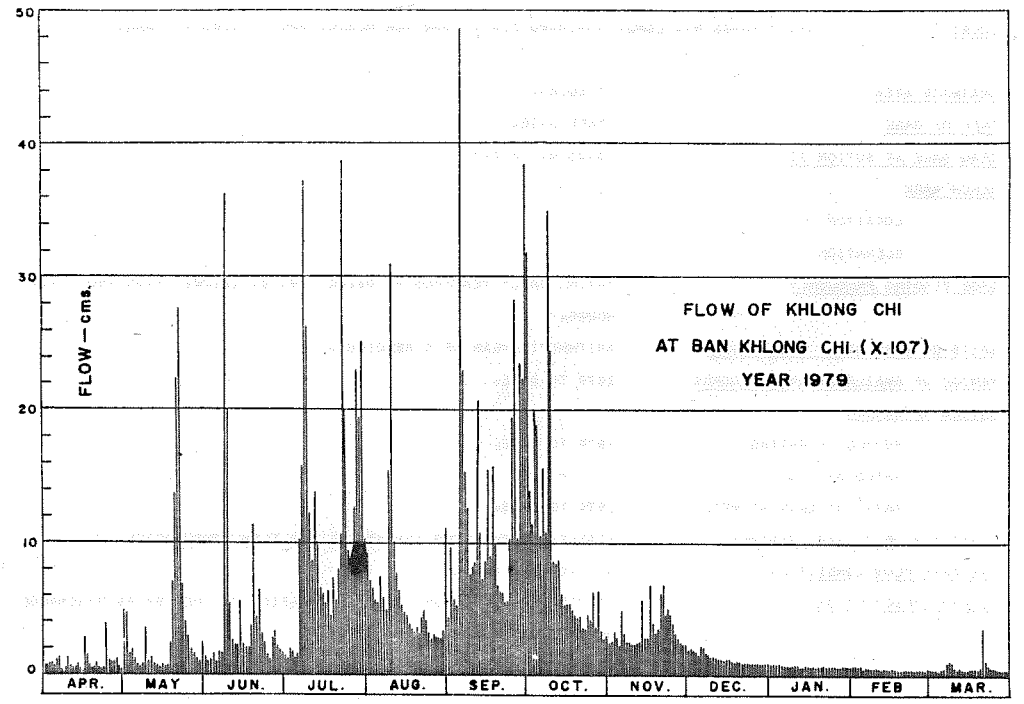
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.41	0.91	0.46	0.50	1.31	0.80	2.62	0.63	0.57	0.36	0.30	0.23	
2	0.44	0.88	0.45	0.49	1.14	1.32	1.64	0.59	0.55	0.35	0.29	0.22	
3	0.40	0.52	0.47	0.59	1.09	1.00	1.44	0.63	0.54	0.35	0.29	0.21	
4	0.50	0.56	0.53	0.54	0.99	0.91	2.01	0.72	0.52	0.35	0.29	0.23	
5	0.52	0.44	0.44	0.52	0.96	2.06	1.91	0.62	0.51	0.35	0.29	0.23	
6	0.28	0.37	0.56	1.21	1.15	3.37	1.32	0.58	0.58	0.35	0.28	0.24	
7	0.30	0.36	0.52	1.79	1.00	1.87	1.73	0.89	0.57	0.35	0.28	0.40	
8	0.28	0.42	1.39	2.86	0.91	1.57	1.35	0.63	0.51	0.35	0.28	0.41	
9	0.48	0.76	2.81	2.32	1.69	1.15	2.76	0.61	0.49	0.35	0.28	0.38	
10	0.43	0.40	1.06	1.60	2.57	1.20	1.39	0.60	0.48	0.34	0.27	0.27	
11	0.31	0.52	0.72	1.23	1.51	1.24	1.23	0.61	0.46	0.33	0.27	0.26	
12	0.35	0.38	0.62	1.63	1.23	2.05	1.23	0.61	0.45	0.33	0.26	0.25	
13	0.39	0.34	0.59	1.32	1.07	1.34	1.24	0.59	0.46	0.33	0.26	0.24	
14	0.31	0.33	0.99	1.09	0.97	1.11	1.08	0.97	0.45	0.33	0.25	0.23	
15	0.31	0.32	0.66	1.02	0.89	1.26	0.93	0.67	0.45	0.33	0.24	0.23	
16	0.68	0.36	0.58	0.95	0.87	1.73	0.95	0.66	0.44	0.33	0.24	0.23	
17	0.46	0.35	0.61	1.04	0.80	1.25	0.94	1.08	0.42	0.32	0.24	0.27	
18	0.35	0.41	0.67	0.86	0.75	1.74	0.90	0.82	0.41	0.31	0.24	0.27	
19	0.31	0.78	1.45	1.14	0.73	1.24	0.86	0.73	0.41	0.31	0.23	0.27	
20	0.39	1.31	0.85	0.99	0.78	1.05	0.85	0.74	0.41	0.31	0.23	0.30	
21	0.34	2.16	1.07	0.99	0.74	1.04	0.86	1.03	0.40	0.31	0.23	0.76	
22	0.31	2.41	0.77	1.45	0.89	0.97	0.78	1.09	0.39	0.31	0.22	0.38	
23	0.31	1.12	0.65	2.92	0.89	0.97	0.76	0.88	0.39	0.31	0.22	0.29	
24	0.79	0.87	0.54	1.68	0.79	0.99	0.86	0.91	0.38	0.31	0.22	0.28	
25	0.43	0.67	0.59	1.32	0.67	1.72	0.83	0.84	0.37	0.31	0.21	0.24	
26	0.37	0.59	0.65	1.24	0.66	2.44	1.04	0.70	0.38	0.31	0.21	0.23	
27	0.41	0.53	0.74	1.57	0.65	1.33	0.77	0.67	0.38	0.31	0.23	0.22	
28	0.43	0.49	0.59	2.17	0.62	2.19	1.05	0.63	0.37	0.31	0.23	0.22	
29	0.35	0.47	0.57	1.97	0.68	2.14	0.76	0.60	0.36	0.31	0.25	0.21	
30	0.32	0.46	0.54	2.28	0.76	2.92	0.65	0.58	0.36	0.30		0.23	
31		0.62		1.38	1.42		0.69		0.36	0.30		0.51	
MEAN	0.40	0.68	0.77	1.38	1.01	1.53	1.21	0.73	0.45	0.33	0.25	0.29	
MAX	0.79	2.41	2.81	2.92	2.57	3.37	2.76	1.09	0.58	0.36	0.30	0.76	3.37
MIN	0.28	0.32	0.44	0.49	0.62	0.80	0.65	0.58	0.36	0.30	0.21	0.21	0.21

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.75 M (A.D.), AT 21.00 HOURS, ON OCT 17, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED -0.04 M (A.D.)

LEFT BANK ELEVATION 9.50 M (A.D.)

RIGHT BANK ELEVATION 9.50 M (A.D.), DRAINAGE AREA 248 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.95	4.90	1.20	1.40	9.53	3.80	31.84	2.44	1.96	0.74	0.50	0.29	
2	1.10	4.60	1.15	1.35	7.38	9.66	14.10	2.12	1.80	0.70	0.47	0.26	
3	0.90	1.56	1.25	2.12	6.79	5.80	11.22	2.44	1.72	0.70	0.47	0.23	
4	1.40	1.88	1.64	1.72	5.70	4.90	19.98	3.16	1.56	0.70	0.47	0.29	
5	1.56	1.10	1.10	1.56	5.40	20.88	18.36	2.36	1.48	0.70	0.47	0.29	
6	0.44	0.78	1.88	8.23	7.50	48.61	9.66	2.04	2.04	0.70	0.44	0.32	
7	0.50	0.74	1.56	16.44	5.80	17.72	15.48	4.70	1.96	0.70	0.44	0.90	
8	0.44	1.00	10.57	37.12	4.90	13.05	10.05	2.44	1.48	0.70	0.44	0.95	
9	1.30	3.48	36.02	25.80	14.85	7.50	34.92	2.28	1.35	0.70	0.44	0.82	
10	1.05	0.90	6.46	13.50	30.80	8.10	10.57	2.20	1.30	0.66	0.41	0.41	
11	0.54	1.56	3.16	8.49	12.15	8.62	8.49	2.28	1.20	0.62	0.41	0.38	
12	0.70	0.82	2.36	13.95	8.49	20.70	8.49	2.28	1.15	0.62	0.38	0.35	
13	0.86	0.66	2.12	9.66	6.57	9.92	8.62	2.12	1.20	0.62	0.38	0.32	
14	0.54	0.62	5.70	6.79	5.50	7.02	6.68	5.50	1.15	0.62	0.35	0.29	
15	0.54	0.58	2.68	6.02	4.70	8.88	5.10	2.76	1.15	0.62	0.32	0.29	
16	2.84	0.74	2.04	5.30	4.50	15.48	5.30	2.68	1.10	0.62	0.32	0.29	
17	1.20	0.70	2.28	6.24	3.80	8.75	5.20	6.68	1.00	0.58	0.32	0.41	
18	0.70	0.95	2.76	4.40	3.40	15.64	4.80	4.00	0.95	0.54	0.32	0.41	
19	0.54	3.64	11.35	7.38	3.24	8.62	4.40	3.24	0.95	0.54	0.29	0.41	
20	0.86	9.53	4.30	5.70	3.64	6.35	4.30	3.32	0.95	0.54	0.29	0.50	
21	0.66	22.74	6.57	5.70	3.32	6.24	4.40	6.13	0.90	0.54	0.29	3.48	
22	0.54	27.60	3.56	11.35	4.70	5.50	3.64	6.79	0.86	0.54	0.26	0.82	
23	0.54	7.14	2.60	38.44	4.70	5.50	3.48	4.60	0.86	0.54	0.26	0.47	
24	3.72	4.50	1.72	14.70	3.72	5.70	4.40	4.90	0.82	0.54	0.26	0.44	
25	1.05	2.76	2.12	9.66	2.76	15.32	4.10	4.20	0.78	0.54	0.23	0.32	
26	0.78	2.12	2.60	8.62	2.68	28.20	6.24	3.00	0.82	0.54	0.23	0.29	
27	0.95	1.64	3.32	13.05	2.60	9.79	3.56	2.76	0.82	0.54	0.29	0.26	
28	1.05	1.35	2.12	22.93	2.36	23.31	6.35	2.44	0.78	0.54	0.29	0.26	
29	0.70	1.25	1.96	19.32	2.84	22.36	3.48	2.20	0.74	0.54	0.35	0.23	
30	0.58	1.20	1.72	25.02	3.48	38.44	2.60	2.04	0.74	0.50		0.29	
31		2.36		10.44	10.96		2.92		0.74	0.50		1.48	
TOTAL	29.53	115.40	129.87	362.40	198.76	410.36	282.73	100.10	36.31	18.78	10.39	16.75	1711.38 CMSDAY
MEAN	0.98	3.72	4.33	11.69	6.41	13.68	9.12	3.34	1.17	0.61	0.36	0.54	4.68 CMS
MAX	3.72	27.60	36.02	38.44	30.80	48.61	34.92	6.79	2.04	0.74	0.50	3.48	48.61 CMS
MIN	0.44	0.58	1.10	1.35	2.36	3.80	2.60	2.04	0.74	0.50	0.23	0.23	0.23 CMS
RUNOFF	2.551	9.971	11.221	31.311	17.173	35.455	24.428	8.649	3.137	1.623	0.898	1.447	147.863 MCM

MOMENTARY PEAK 83.30 CMS, AT 4.75 M (A.D), AT 21.00 HOURS, ON OCT 17, 1979

RUNOFF YIELD 18.85 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 335.89 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA WEST COAST

KHLONG KALASE YAI AT BAN ROM MUANG, TRANG (X.108)

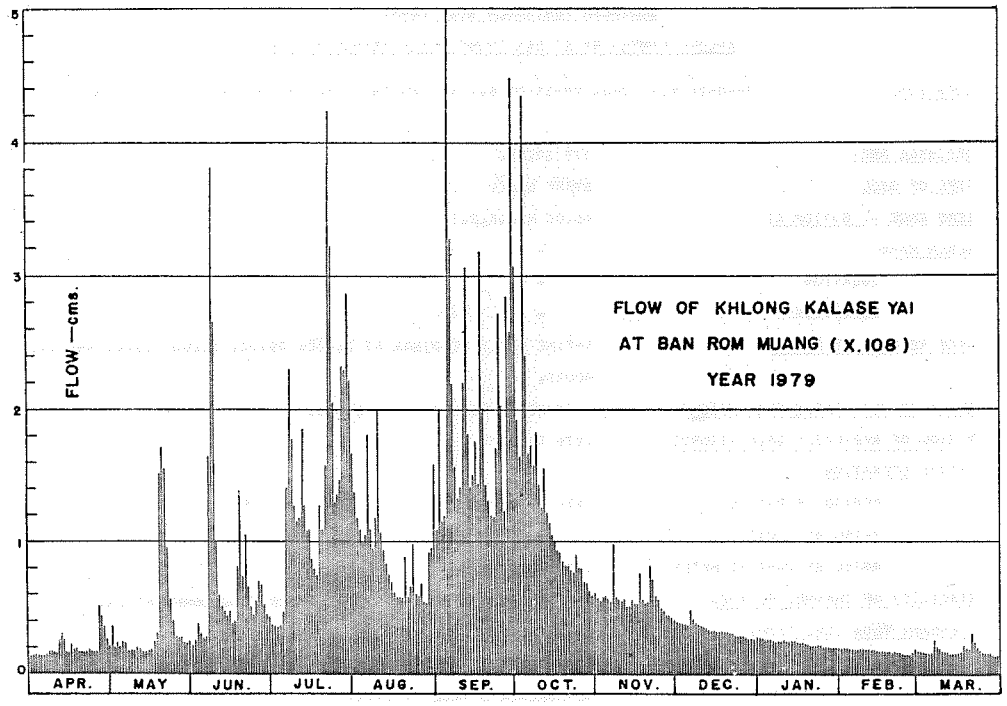
LOCATION — LAT. 7°44'03" N., LONG. 99°20'00" E., AT BAN ROM MUANG, AMPHOE SIKAO, TRANG.

DRAINAGE AREA	57 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 49 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.60	0.71	0.73	0.91	1.64	1.45	2.16	1.09	0.92	0.78	0.68	0.61	
2	0.60	0.92	0.76	0.90	1.53	1.97	1.88	1.07	0.91	0.78	0.68	0.61	
3	0.60	0.70	0.93	0.90	1.49	1.52	1.77	1.10	0.91	0.77	0.68	0.61	
4	0.60	0.76	0.84	0.90	1.41	1.50	2.95	1.10	0.91	0.76	0.68	0.60	
5	0.60	0.72	0.80	0.99	1.45	2.20	2.00	1.08	0.90	0.76	0.68	0.60	
6	0.60	0.77	0.75	1.43	1.87	3.22	1.79	1.04	1.01	0.76	0.67	0.61	
7	0.61	0.76	0.89	1.95	1.45	2.23	1.82	1.39	0.93	0.75	0.67	0.76	
8	0.65	0.67	2.25	2.11	1.36	1.79	1.74	1.09	0.90	0.75	0.67	0.66	
9	0.67	0.66	2.75	1.64	1.63	1.62	1.88	1.08	0.90	0.75	0.66	0.62	
10	0.66	0.66	1.40	1.50	1.97	1.65	1.60	1.06	0.89	0.75	0.66	0.61	
11	0.61	0.70	1.10	1.51	1.47	1.91	1.56	1.09	0.88	0.75	0.66	0.61	
12	0.75	0.68	1.03	1.89	1.39	2.45	1.73	1.04	0.87	0.75	0.65	0.59	
13	0.85	0.65	1.01	1.57	1.29	1.83	1.54	1.04	0.86	0.74	0.65	0.60	
14	0.65	0.65	0.97	1.45	1.25	1.66	1.50	1.08	0.86	0.73	0.64	0.59	
15	0.62	0.65	0.99	1.47	1.20	1.73	1.44	1.05	0.86	0.73	0.63	0.60	
16	0.73	0.66	0.92	1.31	1.13	1.84	1.40	1.06	0.85	0.73	0.63	0.60	
17	0.68	0.68	0.91	1.26	1.10	1.67	1.35	1.24	0.85	0.73	0.62	0.61	
18	0.63	0.80	1.29	1.22	1.09	2.50	1.35	1.09	0.84	0.72	0.62	0.72	
19	0.61	0.91	1.65	1.57	1.10	1.70	1.31	1.06	0.83	0.72	0.62	0.66	
20	0.60	1.74	1.21	1.44	1.33	1.64	1.28	1.07	0.83	0.72	0.62	0.64	
21	0.60	1.82	1.44	1.68	1.25	1.59	1.28	1.28	0.82	0.71	0.61	0.82	
22	0.60	1.71	1.14	2.00	1.11	1.53	1.25	1.16	0.81	0.71	0.61	0.76	
23	0.64	1.19	1.04	2.91	1.39	1.53	1.24	1.09	0.80	0.71	0.61	0.65	
24	0.61	1.04	0.98	1.82	1.14	1.64	1.33	1.07	0.80	0.71	0.60	0.62	
25	0.62	0.92	1.08	1.59	1.09	2.31	1.26	1.03	0.80	0.70	0.60	0.60	
26	0.60	0.79	1.18	1.67	1.18	1.82	1.26	1.00	0.79	0.69	0.59	0.60	
27	1.05	0.80	1.16	2.12	1.07	1.55	1.18	0.99	0.79	0.69	0.59	0.60	
28	0.97	0.78	1.03	2.10	1.06	2.35	1.18	0.97	0.79	0.69	0.64	0.60	
29	0.87	0.74	0.98	2.31	1.35	2.24	1.12	0.95	0.78	0.69	0.64	0.58	
30	0.77	0.74	0.96	2.37	1.37	3.00	1.11	0.93	0.78	0.69		0.57	
31		0.74		1.83	1.75		1.11		0.79	0.68		0.99	
MEAN	0.67	0.86	1.14	1.62	1.35	1.92	1.53	1.08	0.85	0.73	0.64	0.64	
MAX	1.05	1.82	2.75	2.91	1.97	3.22	2.95	1.39	1.01	0.78	0.68	0.99	3.22
MIN	0.60	0.65	0.73	0.90	1.06	1.45	1.11	0.93	0.78	0.68	0.59	0.57	0.57

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.00 M (A.D.), AT 9.00 HOURS, ON JUN 6, 1979
ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.26 M (A.D.)
LEFT BANK ELEVATION 6.65 M (A.D.)
RIGHT BANK ELEVATION 6.60 M (A.D.), DRAINAGE AREA 57 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.14	0.21	0.22	0.37	1.38	1.06	2.40	0.57	0.38	0.26	0.19	0.15	
2	0.14	0.38	0.24	0.36	1.19	2.00	1.82	0.54	0.37	0.26	0.19	0.15	
3	0.14	0.20	0.39	0.36	1.12	1.17	1.61	0.58	0.37	0.25	0.19	0.15	
4	0.14	0.24	0.31	0.36	1.00	1.14	4.34	0.58	0.37	0.24	0.19	0.14	
5	0.14	0.21	0.27	0.45	1.06	2.48	2.06	0.56	0.36	0.24	0.19	0.14	
6	0.14	0.25	0.24	1.03	1.80	5.08	1.65	0.51	0.47	0.24	0.18	0.15	
7	0.15	0.24	0.35	1.96	1.06	2.55	1.71	0.97	0.39	0.24	0.18	0.24	
8	0.17	0.18	2.59	2.29	0.93	1.65	1.56	0.57	0.36	0.24	0.18	0.18	
9	0.18	0.18	3.80	1.38	1.36	1.34	1.82	0.56	0.36	0.24	0.18	0.16	
10	0.18	0.18	0.99	1.14	2.00	1.39	1.31	0.53	0.35	0.24	0.18	0.15	
11	0.15	0.20	0.58	1.16	1.09	1.88	1.24	0.57	0.34	0.24	0.18	0.15	
12	0.24	0.19	0.50	1.84	0.97	3.06	1.54	0.51	0.33	0.24	0.17	0.14	
13	0.31	0.17	0.47	1.26	0.83	1.73	1.21	0.51	0.32	0.23	0.17	0.14	
14	0.17	0.17	0.43	1.06	0.77	1.41	1.14	0.56	0.32	0.22	0.17	0.14	
15	0.16	0.17	0.45	1.09	0.71	1.54	1.05	0.52	0.32	0.22	0.16	0.14	
16	0.22	0.18	0.38	0.85	0.62	1.75	0.99	0.53	0.31	0.22	0.16	0.14	
17	0.19	0.19	0.37	0.79	0.58	1.43	0.91	0.76	0.31	0.22	0.16	0.15	
18	0.16	0.27	0.83	0.74	0.57	3.18	0.91	0.57	0.91	0.21	0.16	0.21	
19	0.15	0.37	1.39	1.26	0.58	1.48	0.85	0.53	0.30	0.21	0.16	0.18	
20	0.14	1.56	0.72	1.05	0.88	1.38	0.81	0.54	0.30	0.21	0.16	0.17	
21	0.14	1.71	1.05	1.45	0.77	1.29	0.81	0.81	0.29	0.21	0.15	0.29	
22	0.14	1.50	0.63	2.06	0.59	1.19	0.77	0.66	0.28	0.21	0.15	0.24	
23	0.17	0.70	0.51	4.23	0.97	1.19	0.76	0.57	0.27	0.21	0.15	0.17	
24	0.15	0.51	0.44	1.71	0.63	1.38	0.88	0.54	0.27	0.21	0.14	0.16	
25	0.16	0.38	0.56	1.29	0.57	2.72	0.79	0.50	0.27	0.20	0.14	0.14	
26	0.14	0.26	0.68	1.43	0.68	1.71	0.79	0.46	0.26	0.19	0.14	0.14	
27	0.52	0.27	0.66	2.31	0.54	1.22	0.68	0.45	0.26	0.19	0.14	0.14	
28	0.43	0.26	0.50	2.27	0.53	2.82	0.68	0.43	0.26	0.19	0.17	0.14	
29	0.33	0.23	0.44	2.72	0.91	2.57	0.61	0.41	0.26	0.19	0.17	0.13	
30	0.25	0.23	0.42	2.87	0.94	4.47	0.59	0.39	0.26	0.19		0.13	
31		0.23		1.73	1.57		0.59		0.26	0.19		0.45	
TOTAL	5.84	12.02	21.41	44.87	29.20	59.26	38.88	16.79	9.88	6.85	4.85	5.30	255.15 CMSDAY
MEAN	0.19	0.39	0.71	1.45	0.94	1.98	1.25	0.56	0.32	0.22	0.17	0.17	0.70 CMS
MAX	0.52	1.71	3.80	4.23	2.00	5.08	4.34	0.97	0.47	0.26	0.19	0.45	5.08 CMS
MIN	0.14	0.17	0.22	0.36	0.53	1.06	0.59	0.39	0.26	0.19	0.14	0.13	0.13 CMS
RUNOFF	0.505	1.039	1.850	3.877	2.523	5.120	3.359	1.451	0.854	0.592	0.419	0.458	22.045 MCM

MOMENTARY PEAK 7.46 CMS, AT 4.00 M (A.D), AT 9.00 HOURS, ON JUN 6, 1979

RUNOFF YIELD 12.23 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD 130.88 LITERS/SECOND/SQUARE KM

WATER YEAR 1979

SOUTHERN PENINSULA WEST COAST

KHLONG LAMPHU RA AT BAN THUNG NGIU, TRANG (X.110)

LOCATION — LAT. 7°-40'-24" N., LONG. 99°-35'-05" E., AT BAN THUNG NGIU, AMPHOE HUAI YOT, TRANG.

DRAINAGE AREA	229 SQ.KM.
TYPE OF GAGE	STAFF GAGE.
ZERO GAGE AT BOTTOM AT	+0.00 M. (A.D.)
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	1979 TO DATE.
RATING OPERATION	
PERIOD OF RATING	1979 TO DATE.
RATED BY FLOAT	-
RATED BY CURRENT METER	1979 TO DATE.
STABILITY OF CHANNEL REGIMES	STABLE, NO SHIFTING ADJUSTMENT FOR FLOW COMPUTATION.
OVERBANK FLOW CONDITIONS	NO OVERBANK FLOW.
GENERAL DESCRIPTION	RECORDS FAIR. STAGE-DISCHARGE RELATION DEFINED BY 47 DISCHARGE MEASUREMENTS MADE IN 1979.

GAGE HEIGHT IN METER (A.D.), WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

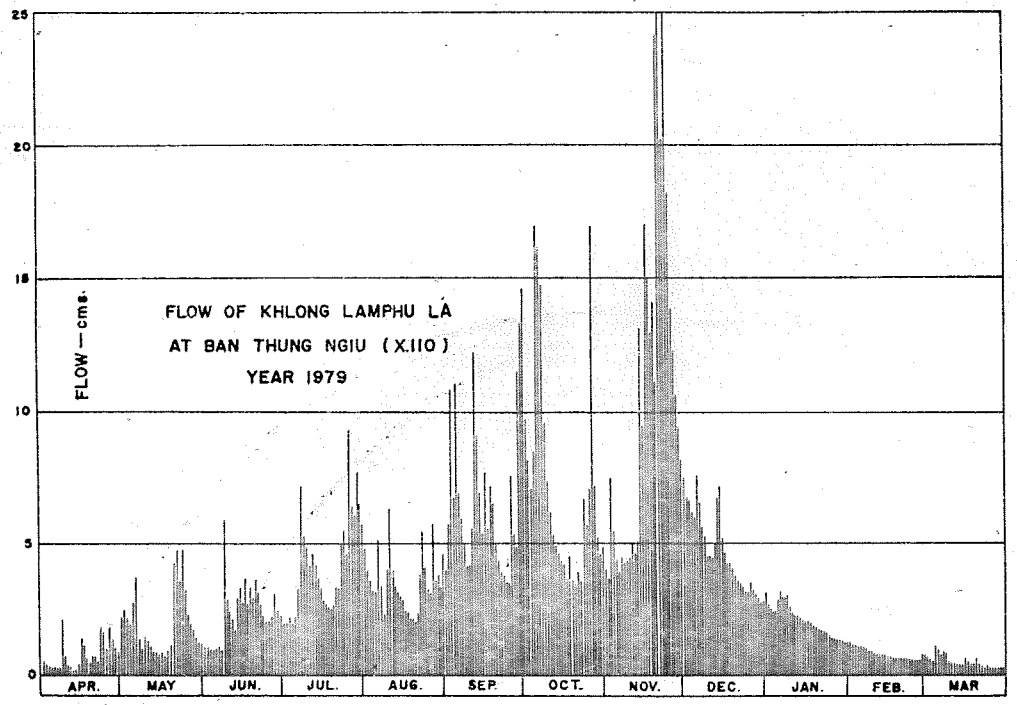
DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.71	0.98	0.81	0.94	1.35	1.25	2.50	1.24	1.69	1.11	0.83	0.74	
2	0.69	1.01	0.81	0.94	1.25	1.49	1.97	1.20	1.61	1.04	0.82	0.73	
3	0.69	0.96	0.81	0.97	1.18	2.09	1.78	1.70	1.61	1.02	0.81	0.72	
4	0.68	0.92	0.80	0.93	1.13	1.64	1.66	1.46	1.55	1.01	0.81	0.71	
5	0.68	1.05	0.80	0.97	1.13	2.11	1.83	1.30	1.51	1.01	0.81	0.81	
6	0.68	1.20	0.83	1.14	1.40	1.62	2.74	1.24	1.64	1.07	0.80	0.77	
7	0.68	0.90	0.80	1.37	1.15	1.52	2.66	1.31	1.59	1.11	0.79	0.75	
8	0.96	0.83	1.04	1.66	1.08	1.42	2.51	1.29	1.46	1.08	0.78	0.77	
9	0.77	0.80	1.52	1.43	1.25	1.27	1.95	1.30	1.42	1.10	0.78	0.74	
10	0.71	0.86	1.07	1.37	1.57	1.28	1.69	1.45	1.32	1.03	0.77	0.71	
11	0.69	0.83	1.03	1.27	1.40	1.48	1.55	1.38	1.33	1.00	0.76	0.70	
12	0.67	0.81	0.96	1.35	1.23	2.25	1.44	1.34	1.31	0.98	0.76	0.70	
13	0.66	0.78	0.91	1.28	1.15	1.90	1.39	1.41	1.40	0.97	0.75	0.69	
14	0.69	0.76	1.11	1.27	1.11	1.64	1.35	2.34	1.67	0.96	0.75	0.69	
15	0.82	0.75	1.15	1.19	1.08	1.45	1.30	1.94	1.56	0.95	0.74	0.69	
16	0.86	0.77	1.06	1.12	1.04	1.73	1.27	1.85	1.38	0.95	0.74	0.73	
17	0.77	0.75	1.11	1.07	1.01	1.47	1.20	2.74	1.33	0.94	0.74	0.71	
18	0.71	0.79	1.06	1.04	0.98	1.66	1.32	2.33	1.28	0.93	0.73	0.69	
19	0.71	0.82	1.14	1.18	0.97	1.59	1.20	2.45	1.25	0.92	0.73	0.69	
20	0.75	1.01	1.10	1.13	0.96	1.40	1.17	2.12	1.24	0.90	0.73	0.73	
21	0.74	1.28	1.19	1.15	1.02	1.30	1.24	3.44	1.19	0.90	0.73	0.69	
22	0.70	1.36	1.11	1.15	1.22	1.24	1.20	3.88	1.17	0.89	0.73	0.68	
23	1.07	1.19	1.03	1.40	1.47	1.22	1.43	3.05	1.15	0.88	0.73	0.67	
24	0.88	1.37	0.98	1.46	1.25	1.19	1.61	3.69	1.13	0.87	0.73	0.68	
25	0.77	1.12	0.96	1.34	1.14	1.46	1.49	2.85	1.11	0.86	0.72	0.67	
26	0.92	0.97	0.99	1.93	1.12	1.72	1.65	2.43	1.17	0.85	0.72	0.67	
27	0.84	0.92	1.13	1.58	1.48	1.44	2.72	2.25	1.14	0.85	0.72	0.67	
28	0.85	0.89	1.03	1.54	1.20	1.38	1.66	2.05	1.11	0.85	0.72	0.67	
29	0.79	0.85	1.01	1.74	1.22	2.17	1.43	1.91	1.08	0.84	0.75	0.67	
30	0.77	0.84	0.97	1.65	1.17	2.37	1.34	1.78	1.06	0.83		0.67	
31		0.83		1.49	1.34		1.38		1.05	0.83		0.67	
MEAN	0.76	0.94	1.01	1.29	1.20	1.59	1.67	2.02	1.34	0.95	0.76	0.71	
MAX	1.07	1.37	1.52	1.93	1.57	2.37	2.74	3.88	1.69	1.11	0.83	0.81	3.88
MIN	0.66	0.75	0.80	0.93	0.96	1.19	1.17	1.20	1.05	0.83	0.72	0.67	0.66

ANNUAL MAX MOMENTARY GAGE HEIGHT 4.20 M (A.D.), AT 6.00 HOURS, ON MAY 22, 1979

ZERO GAGE AT BOTTOM ELEVATION 0.00 M (A.D.), RIVER BED 0.10 M (A.D.)

LEFT BANK ELEVATION 8.30 M (A.D.)

RIGHT BANK ELEVATION 7.60 M (A.D.), DRAINAGE AREA 229 SQUARE KILOMETERS



DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1979 TO MARCH 31, 1980

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.46	2.20	1.07	1.93	4.67	4.00	14.60	3.93	7.38	3.07	1.20	0.64	
2	0.33	2.40	1.07	1.93	4.00	5.74	9.74	3.67	6.72	2.60	1.13	0.58	
3	0.33	2.07	1.07	2.13	3.53	10.84	8.12	7.46	6.72	2.47	1.07	0.52	
4	0.27	1.80	1.00	1.87	3.20	6.97	7.13	5.49	6.23	2.40	1.07	0.46	
5	0.27	2.67	1.00	2.13	3.20	11.02	8.53	4.33	5.90	2.40	1.07	1.07	
6	0.27	3.67	1.20	3.27	5.00	6.80	17.02	3.93	6.97	2.80	1.00	0.82	
7	0.27	1.67	1.00	4.80	3.33	5.98	16.21	4.40	6.56	3.07	0.94	0.70	
8	2.07	1.20	2.60	7.13	2.87	5.16	14.70	4.27	5.49	2.87	0.88	0.82	
9	0.82	1.00	5.98	5.25	4.00	4.13	9.56	4.33	5.16	3.00	0.88	0.64	
10	0.46	1.40	2.80	4.80	6.39	4.20	7.38	5.41	4.47	2.53	0.82	0.46	
11	0.33	1.20	2.53	4.13	5.00	5.66	6.23	4.87	4.53	2.33	0.76	0.40	
12	0.20	1.07	2.07	4.67	3.87	12.31	5.33	4.60	4.40	2.20	0.76	0.40	
13	0.13	0.88	1.73	4.20	3.33	9.10	4.93	5.08	5.00	2.13	0.70	0.33	
14	0.33	0.76	3.07	4.13	3.07	6.97	4.67	13.13	7.21	2.07	0.70	0.33	
15	1.13	0.70	3.33	3.60	2.87	5.41	4.33	9.47	6.31	2.00	0.64	0.33	
16	1.40	0.82	2.73	3.13	2.60	7.71	4.13	8.69	4.87	2.00	0.64	0.58	
17	0.82	0.70	3.07	2.80	2.40	5.57	3.67	17.02	4.53	1.93	0.64	0.46	
18	0.46	0.94	2.73	2.60	2.20	7.13	4.47	13.04	4.20	1.87	0.58	0.33	
19	0.46	1.13	3.27	3.53	2.13	6.56	3.67	14.14	4.00	1.80	0.58	0.33	
20	0.70	2.40	3.00	3.20	2.07	5.00	3.47	11.12	3.93	1.67	0.58	0.58	
21	0.64	4.20	3.60	3.33	2.47	4.33	3.93	24.09	3.60	1.67	0.58	0.33	
22	0.40	4.73	3.07	3.33	3.80	3.93	3.67	28.83	3.47	1.60	0.58	0.27	
23	2.80	3.60	2.53	5.00	5.57	3.80	5.25	20.15	3.33	1.53	0.58	0.20	
24	1.53	4.80	2.20	5.49	4.00	3.60	6.72	26.70	3.20	1.47	0.58	0.27	
25	0.82	3.13	2.07	4.60	3.27	5.49	5.74	18.13	3.07	1.40	0.52	0.20	
26	1.80	2.13	2.27	9.37	3.13	7.62	7.05	13.96	3.47	1.33	0.52	0.20	
27	1.27	1.80	3.20	6.48	5.66	5.33	16.82	12.31	3.27	1.33	0.52	0.20	
28	1.33	1.60	2.53	6.15	3.67	4.87	7.13	10.47	3.07	1.33	0.52	0.20	
29	0.94	1.33	2.40	7.79	3.80	11.57	5.25	9.19	2.87	1.27	0.70	0.20	
30	0.82	1.27	2.13	7.05	3.47	13.41	4.60	8.12	2.73	1.20		0.20	
31		1.20		5.74	4.60		4.87		2.67	1.20		0.20	
TOTAL	23.86	60.47	72.32	135.56	113.17	200.21	228.92	320.33	145.33	62.54	21.74	13.25	1397.70 CMSDAY
MEAN	0.80	1.95	2.41	4.37	3.65	6.67	7.38	10.68	4.69	2.02	0.75	0.43	3.82 CMS
MAX	2.80	4.80	5.98	9.37	6.39	13.41	17.02	28.83	7.38	3.07	1.20	1.07	28.83 CMS
MIN	0.13	0.70	1.00	1.87	2.07	3.60	3.47	3.67	2.67	1.20	0.52	0.20	0.13 CMS
RUNOFF	2.062	5.225	6.248	11.712	9.778	17.298	19.779	27.676	12.556	5.403	1.878	1.145	120.761 MCM

MOMENTARY PEAK 32.40 CMS, AT 4.20 M (A.D), AT 6.00 HOURS, ON MAY 22, 1979
RUNOFF YIELD 16.68 LITERS/SECOND/SQUARE KM, MOMENTARY PEAK YIELD . . 141.48 LITERS/SECOND/SQUARE KM