



Kingdom of Thailand
Royal Irrigation Department
Ministry of Agriculture and Cooperatives

FEASIBILITY STUDY
ON
MAE CHANG IRRIGATION PROJECT

APPENDIX

JANUARY 1984

JAPAN INTERNATIONAL COOPERATION AGENCY

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1.3-1 Thai Government Officials Contacted

1. Mr. Sunthorn Ruanglek Director General
Royal Irrigation Department (RID)
2. Mr. Boonthai Otaganonta Chief Civil Engineer, RID
3. Dr. Boonyok Vadhanaphuti Director,
Project Planning Div. (PPD), RID
4. Mr. Shoombhol Chaveesuk Director, Design Div., RID
5. Mr. Suthep Tingsabhat Director, Hydrology Div., RID
6. Mr. Jumsak Tejasen Director, Research & Lab. Div., RID
7. Mr. Kaiwan Devahastin Director,
Program Coordination & Budget Div.,
RID
8. Mr. Wisist Hutachitta Director,
Low & Land Div., RID
9. Mr. Chareuk Nonthathun Director,
Large Project Construction Div., RID
10. Mr. Youth Kingkae Director,
Small Scale Construction Div., RID
11. Mr. Pratin Watang-Gool Director, Region II, RID
12. Mr. Prasert Milintangul Chief, Research & Applied Hydro.,
Hydrology Div.
13. Mr. Vera Vetivong Chief, Sediment Sec., Research &
Applied Hydrology Branch, Hydrology
Div.
14. Mr. Sanong Ratasuk Chief, Processing Sec., Research &
Applied Hydrology Branch, Hydrology
Div.
15. Mr. Smai Suravdlop Large Scale Construction Div.
16. Mr. Amphai Muthitacharoen Chief, Geological Survey Branch,
Soil & Geology Div.
17. Mr. Dhanaphong Sridhavat Geological Survey Branch,
Soil & Geology Div.
18. Mr. Pipop Chupaisert Soil & Geology Div.

19. Mr. Somkiat Subhadhadaphongs .. Geological Survey Branch,
Soil & Geology Div.
20. Mr. Snguan Jampracat Chief, Engineering Geology Branch,
Soil & Geology Div.
21. Mr. Danai Triyadhen Soil & Geology Div.
22. Mr. Mondhian Kangsasiatian Chief, Soil Engineering Lab.
23. Mr. Chuang Sirimuangmool Soil Surveyor, Land Classification
Sec., Soil & Geology Div.
24. Mr. Somsak Loedwongthkul Soil Surveyor, Land Classification
Sec., Soil & Geology Div.
25. Ms. Supanee Rojanapremsuk Land Classification Sec., Soil &
Geology Div.
26. Ms. La-Or Soonthornchai Chief, Soil Chemistry & Physics Lab.,
Research & Lab., Div.
27. Ms. Suwanee Srithawat Soil Survey Div.
Department of Land Development
28. Mr. Phyool Chantasiro Survey Div.
29. Mr. Sompotoch Pimonpon Topographic Survey, Survey Div.
30. Mr. Narong Sopak Topographic Survey, Survey Div.
31. Mr. Pairoj Nanongkai Law & Land Procurement Div.
32. Mr. Sirirat Temiyanond Program Coordinating & Budget Div.
33. Mr. Arom Khunkomgool Program Coordination & Budget Div.
34. Mr. Sayan Kulachan Large Project Construction Div.
35. Mr. Ruongrit Ammawat Dam Design Branch, Design Div.
36. Mr. Nibondh Saihom Irrigation System Design Branch
37. Mr. Virat Manisarn Chief, Weather Analysis and Long-Range
Forecast, Meteorological Department
38. Mr. Osot Charnvej Agronomist, O&M Div.
39. Ms. Supha Sing-Intra Chief, Economics Branch
40. Mr. Pasnee Kanchanakhon Economist, Economics Branch
41. Mr. Taweechai Mackaman Chief, Large Scale Project F/S Branch

42. Mr. Kitla Thepalanglekha Asst. Chief, LSP F/S Branch
43. Mr. Orathai Orgratana PPD
44. Mr. Suthi Songworawit PPD
45. Mr. Preecha Sukklam PPD
46. Mr. Charnchai Klinlorn Chief, Medium Scale Pro. F/S Branch
47. Mr. Jumroen Panitying Medium Project Construction Div.
48. Mr. Bhasanee Kanchanarhon Medium Project Construction Div.
49. Mr. Anuchit Changvitayakam Counterpart, PPD
50. Mr. Nortraad Sri Saeng Counterpart, PPD
51. Mr. Apichai Wathanayomnaporn .. Agronomist, O&M Div.
52. Mr. Somtob Kaewyen Deputy Director, Region II
53. Mr. Kanchit Likitdecharote Region II
54. Mr. Kithisak Hengsadeeikul Region II
55. Mr. Sutasana Wachiraporn Asst., Law & Land Sec., Region II
56. Mr. Thawat Tantitheravit Project Engineer, Mae Wang I.P.
57. Mr. Banchong Vadhanaphong Chief Mechanical Engr., Region II
58. Mr. Surachat Vorrallittanon Agronomy Sec., Region II
59. Mr. Vitit Prechkam Chief, Laws and Land Section,
(IRO - 2), RID
60. Mr. Sutasana Wachiraporn Asst., Laws and Land Section,
(IRD - 2), RID
61. Mr. Supron Fufuang Chief, Party Survey Section
(IRD - 2), RID
62. Mr. Samran Yompook Surveyor, Chief Party Field,
(IRO - 2), RID
63. Mr. Thongsak Supamanee Amphoe Muang Agricultural
Extension Office
64. Mr. Pornchai Boonthang Amphoe Ko Kha Agricultural
Extension Office

65. Mr. Charun Chaiya Amphoe Mae Tha Agricultural
Extension Office
66. Mr. Pian Channsuebsri Agricultural Research and
Training Center, Lampang
67. Dr. Boonsom Pholdee M.D. Provincial Chief Medical Officer
Provincial Public Health Office,
Lampang
68. Mr. Sansern Charernsri Royal Forestry Authority
Lampang (district)
69. Mr. Ardit Areechang Self-Help Land Settlement
Lampang (Superintendent)
70. Mr. Uthai Thirachit Northern ARO Field Operation Center
71. Mr. Veera Poomviset Director, Irrigation Regional Office I
72. Mr. Shaiyonta Maneekul Project Engineer, Mae Kuang Dam
Project
73. Mr. Tragool Rungleg Office Engineer,
Mae Kuang Irrigation Project
74. Mr. Preecha Burapakusolsri Civil Engineer,
Mae Kuang Irrigation Project
75. Mr. Nichit Tavornnan Project Engineer,
Mae Ngat Dam Project
76. Mr. Jitprapun Sonsooti Office Engineer,
Mae Ngat Dam Project
77. Mr. Boonsong Eaimpikul Dam Engineer,
Mae Ngat Dam Project
78. Mr. Rungsun Laohatanakom Asst. Chief, Lampang Highway District,
Highway Department
79. Mr. Amnart Khanthachonana Project Engineer, Thai-Australia Road
Construction and Training Project
80. Mr. Srid Aphaiphuminart Asst. General Manager-Project and
Planning Electricity Generating
Authority of Thailand (EGAT)
81. Mr. Sommart Boonpiraks Asst. Director
Planning Department, (EGAT)

- 82. Mr. Wuthi Poonudom Asst. Director, Project Planning and
Investigation Department, (EGAT)
- 83. Mr. Satid Poonpidadgul EGAT, Resettlement Superintendent
- 84. Mr. Meechai Imchai EGAT, Resettlement Manager

Table 2.1-3 Position of Agriculture in the National Economy
(1972 - 1981)

(Unit: Million Baht)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Gross Domestic Product (GDP)	164,626	216,543	217,368	298,816	337,635	393,030	469,952	556,240	684,930	803,161
Percentage of GDP Agriculture Sector	30.3%	33.8%	31.4%	31.5%	31.0%	28.2%	27.5%	26.4%	25.4%	24.3%
Total Exports	22,491	32,226	50,325	48,438	60,797	70,397	81,251	106,336	130,406	149,261
Percentage of Agricultural Products in Total Exports	70.7%	68.7%	72.1%	68.2%	70.8%	71.9%	66.6%	63.7%	59.6%	64.1%

Source: Ministry of Agriculture and Cooperatives.

Table 2.1-4 Macro-Economic Targets of the Fifth Plan (1982-1986)

	Fourth Plan (1977-1981)	Fifth Plan Target (1982-1986)
1. Trade deficit (current prices)		
1.1 Average value per year (million baht)	45,300	78,400
1.2 Trade deficit/GDP (%)	7.6	5.9
2. Current account deficit (current prices)		
2.1 Average value per year (million baht)	37,400	53,000
2.2 Current account deficit/GDP (%)	6.3	4.1
3. Exports of goods and services		
3.1 Value growth rate (% p.a.)	23.7	21.9
3.2 Volume growth rate (% p.a.)	12.1	10.9
4. Export of goods		
4.1 Value growth rate (5 p.a.)	21.9	22.3
4.2 Volume growth rate (% p.a.)	10.5	11.3
4.3 Average value per year (million baht)	110,900	309,400
5. Income from tourism (current prices)		
5.1 Value growth rate (% p.a.)	36.2	21.5
6. Imports of goods and services		
6.1 Value growth rate (% p.a.)	25.4	18.1
6.2 Volume growth rate (% p.a.)	10.1	7.2
7. Imports of goods		
7.1 Value growth rate (% p.a.)	26.3	18.1
7.2 Volume growth rate (% p.a.)	10.9	7.3
7.3 Average value per year (million baht)	156,200	387,800
8. Economic expansion (% p.a. at constant prices)		
8.1 Agriculture	3.5	4.5
8.2 Manufacturing	9.3	7.6
8.3 Mining (including natural gas)	12.6	16.4
8.4 Natural gas (million cubic feet per day)	200 ^{1/}	525 ^{2/}
8.5 GDP	7.3	6.6
9. Expenditure growth (% p.a. at constant prices)		
9.1 Private sector	7.3	5.2
- Consumption	6.2	4.8
- Investment	12.0	6.9
9.2 Public sector	9.3	6.8
- Consumption	8.5	7.9
- Investment	11.0	4.9
10. Savings and investment shares in GDP (%)		
10.1 Savings	23.1	27.0
- Public	1.5	4.3
- Private	21.6	22.7
10.2 Investment	29.4	31.1
- Public	7.9	8.1
- Private	21.5	23.0
Government revenue/GDP (%)	14.0 (1981)	18.0 (1986)
Population growth rate (% p.a.)	2.1 (1981)	1.5 (1986)

Notes: ^{1/} From October 1981 onwards; ^{2/} In 1986.

Table 2.1-5 Regional Income Distribution (1960-1979)

Items	North	North-East	South	Central	Bangkok Metropolitan Area	Country
1. Share of Gross Regional Product at constant price (in percentage)						
1960	15.8	17.0	14.1	29.3	23.8	100.0
1970	15.2	16.0	12.8	27.5	28.5	100.0
1979	14.9	14.7	11.8	31.2	27.4	100.0
2. Per capita income by regions at current price (Baht)						
1960	1,496	1,082	2,700	2,565	5,630	2,106
1970	2,699	1,822	3,858	4,662	10,234	3,849
1979	8,781	4,991	12,683	17,655	30,161	12,067

Source: NESDB

Table 2.1-6 Proportion of Rural Poor Classified by Region

Region	Proportion of rural poverty (in percentage) 1975/1976	Number of rural Population (persons) 1979	Number of rural poor (persons) 1979	Percentage to total rural poor
Northeast	45	13,372,877	6,017,795	52.3
North	34	7,911,038	2,689,753	23.3
South	33	4,911,564	1,557,456	13.5
Central	15	8,399,136	1,259,870	10.9
Country	33.5	34,342,615	11,515,870	100.0

Source: NESDB

Table 2.1-7 Research and Development Budget by Sectors

Sectors	1978		1979		1980	
	million baht	%	million baht	%	million baht	%
Agriculture and irrigation	797.2	54.30	558.4	41.93	661.6	43.88
Manufacturing and mining	82.2	5.60	97.0	7.28	106.8	7.08
Trade and services	-	-	27.4	2.06	27.2	1.81
Transportation and communication	47.9	3.26	63.6	4.78	106.7	7.08
Energy	26.5	1.81	34.2	2.59	34.4	2.28
Social development	43.0	2.93	37.2	2.80	43.5	2.89
Public utilities	-	-	-	-	14.4	0.96
Health	78.4	5.34	121.0	9.09	86.7	5.75
Education	20.5	1.40	23.4	1.76	8.9	10.59
Conservation of natural resources and environment	14.9	1.01	24.8	1.86	22.2	1.47
Local natural resources development	2.1	0.14	2.0	0.15	2.6	0.17
Science and technology	101.2	6.89	97.0	7.28	82.1	5.45
National security and defence	-	-	164.1	12.32	199.8	13.25
Connected with all sectors	253.5	17.27	81.0	6.08	110.5	7.23
Total	1,468.0	100.00	1,331.8	100.00	1,507.0	100.00
Percentage of GDP	464,550.0	0.31	546,449.0	0.24	659,326.0	0.22
Percentage of government budget	81,000.0	1.81	92,000.0	1.45	109,000.0	1.38

Sources: Research and analysis of research budget of government agencies and state enterprises for the fiscal years 1978-80, Research Policy and Planning Division, Office of the National Research Council.

Table 2.2-1 Gross Regional Product at Current Market Prices
by Province (Northern)

(Unit: Million Baht)

	1976	1977	1978	1979	1980 ^E
1. Chiang Rai	5,270.2	5,579.1	5,923.5	6,191.1	7,520.0
2. Phayao	- -	1,368.6	1,665.1	1,928.8	2,446.1
3. Mae Hong Son	1,179.5	1,008.8	1,258.5	1,647.4	1,606.6
4. Chiang Mai	7,342.3	8,551.0	11,341.1	12,614.3	14,590.5
5. Nan	1,785.7	2,593.9	3,415.6	3,812.1	4,477.4
6. Lamphun	2,271.1	2,470.1	2,616.8	2,968.1	3,414.7
7. Lampang	3,500.2	3,791.6	4,551.6	4,818.5	5,825.2
8. Phrae	2,421.4	2,595.5	2,832.3	3,619.9	4,320.1
9. Uttaradit	2,637.3	2,787.3	3,204.3	3,692.1	4,487.6
10. Sukhothai	3,466.1	3,445.8	4,275.1	4,746.7	4,942.2
11. Tak	2,162.8	2,776.3	2,604.5	3,499.7	3,713.8
12. Phitsanulok	3,073.0	3,165.6	4,212.0	4,936.9	5,824.2
13. Kamphaeng Phet	2,750.2	2,580.2	4,031.4	4,530.2	6,173.2
14. Phichit	2,775.3	3,001.6	3,798.2	3,554.2	4,299.3
15. Phetchabun	5,220.5	3,858.8	4,612.4	5,488.9	6,512.9
16. Nakhon Sawan	6,211.9	4,980.3	7,005.9	7,477.1	9,305.5
17. Uthai Thani	1,391.5	1,011.5	1,944.7	2,261.0	2,775.7
GROSS REGIONAL PRODUCT, (GRP)	53,459	55,566	69,293	77,787	92,235

Note: E = estimated

Source: NESDB

Table 2.2-2 Gross Regional Product at Current Market Prices
by Industrial Origin (Northern)

	(Unit: Million Baht)				
	1976	1977	1978	1979	1980 ^E
Agriculture	26,703	25,678	31,650	35,670	40,534
Crops	21,640	20,433	26,531	29,115	32,858
Livestock	2,966	3,778	3,271	4,132	5,367
Fisheries	373	398	482	384	452
Forestry	1,724	1,069	1,366	2,039	1,857
Mining and quarrying	668	880	1,127	1,180	1,312
Manufacturing	3,269	3,074	3,797	4,348	5,443
Construction	2,245	2,826	4,053	3,451	4,835
Electricity and water supply	1,502	1,754	1,500	1,875	1,715
Transportation and communication	2,133	2,448	2,850	3,594	4,311
Wholesale and retail trade	10,500	11,322	14,354	15,695	18,923
Banking, insurance and real estate	890	1,215	1,624	1,898	2,503
Ownership of dwellings	419	448	518	540	606
Public administration and defence	1,329	1,482	2,024	2,564	3,352
Services	3,801	4,439	5,796	6,972	8,701
GROSS REGIONAL PRODUCT, (GRP)	53,459	55,566	69,293	77,787	92,235
PER CAPITA GRP (BAHT)	5,955	6,069	7,428	8,188	9,541

Note: E = estimated

Source: NESDB

Table 2.2-3 Per Capita, GNP, GRP at Constant 1972 Prices

(Unit: Million Baht)

	1976	1977	1978	1979	1980
<u>Whole Kingdom</u>					
GDP	337,635	393,030	469,952	556,240	684,930
GNP	336,374	391,016	464,550	546,449	672,440
Per Capita GNP (Baht)	7,830	8,879	10,300	11,843	14,255
<u>Northeastern</u>					
GRP	33,180	32,908	36,694	39,990	42,994
Per Capita GRP (Baht)	2,215	2,143	2,334	2,487	2,616
<u>Northern</u>					
GRP	32,797	32,125	36,731	37,919	38,191
Per Capita GRP (Baht)	3,653	3,509	3,937	3,991	3,951
<u>Southern</u>					
GRP	22,406	25,536	27,626	28,889	30,236
Per Capita GRP (Baht)	4,256	4,739	5,012	5,128	5,255
<u>Central</u>					
GRP	15,621	16,991	17,444	19,082	20,334
Per Capita GRP (Baht)	5,599	6,033	6,140	6,666	7,060

Source: National Economic and Social Development Board (NESDB)

3.1-1. Geographical Location and Road Systems

The Project Area of the Mae Chang Irrigation Project is located in Changwat Lampang about 630 km north of Bangkok. The Area lies on latitude 18°05' to 18°15' and on longitude 99°20' to 99°35'.

National highway No.1 between Bangkok and Chiang Rai passes through the western part of the Area and Highway No.11 between Chaing Mai and Den Chai crosses the reservoir area of the proposed Mae Chang dam. Those highways paved with asphalt concrete or double surface treatment have an 11 m width and are well maintained under the Department of Highways.

Within the Project Area surrounded by the highways, there exist three provincial roads No.1036, No.1037 and No.1100.

No.1036 Mae Tha railway Station to Amphoe Ko Kha
L = 27 km (19 km are under planning)

No.1037 Lampang to Ban Mae Tha
L = 17 km

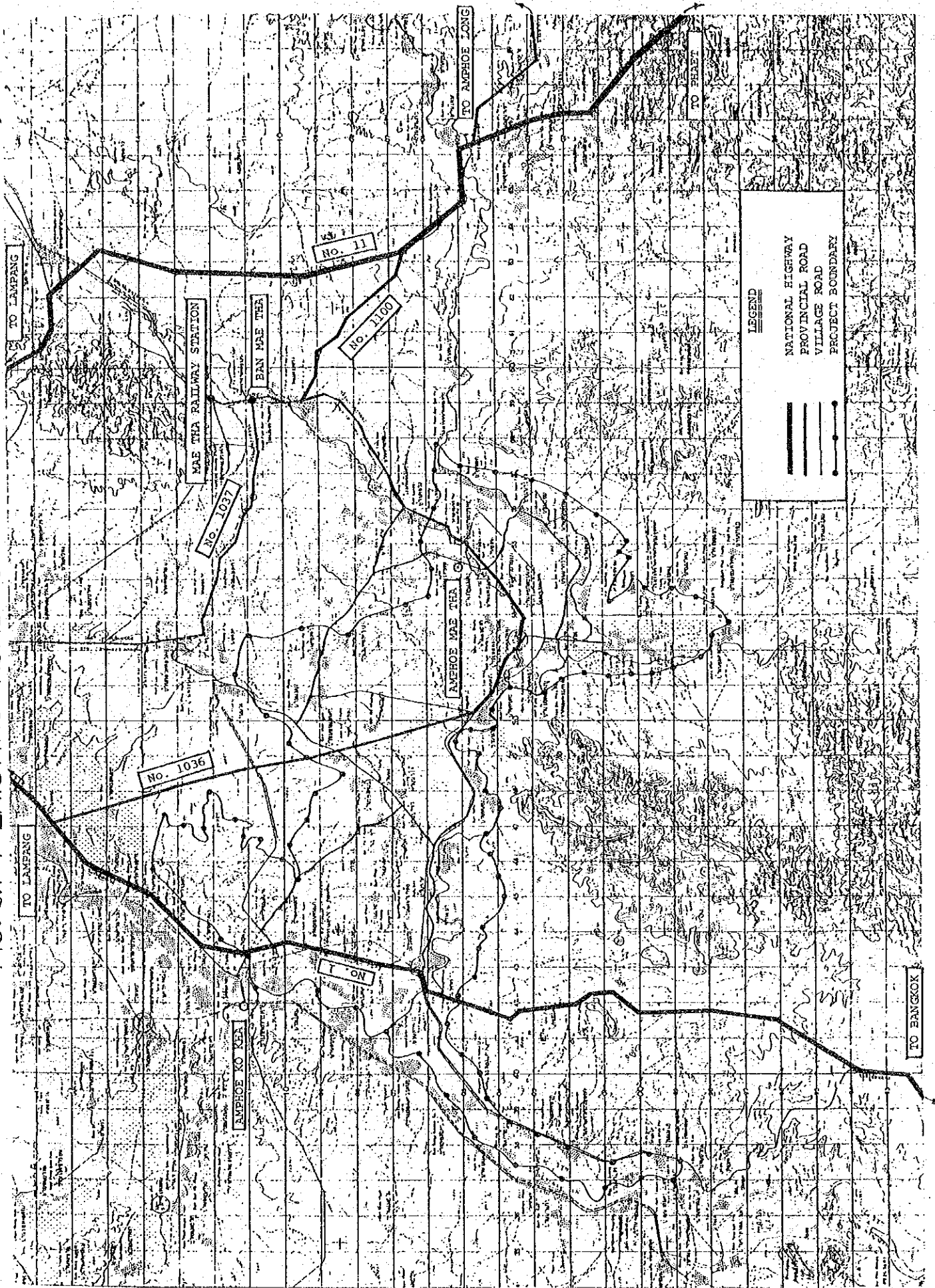
No.1100 Mae Tha railway station to Amphoe Long
L = 25 km

The above roads are paved with double surface treatment or gravel.

The village roads connecting Ban to Ban are rehabilitated or constructed by the Access Road Division, however, their surface treatment is executed only around Ban and the remaining ones are paved with laterite. There is no difficulty in transportation by road within the Area during the rainy season except for village roads. In the southern part of the Area, simple wooden bridges are built over the Mae Chang which flows downward from east to west. Those are passable even by means of vehicles in both seasons.

The farm roads for carrying in or taking out agricultural input material and products are not provided in the fields throughout the entire Area.

FIG. 3.1-1 EXISTING ROAD SYSTEMS



Station LAMPANG
 Index Station 48 328
 Latitude 18° 17' N.
 Longitude 99° 31' E.

Elevation of station above MSL. 241 meters
 Height of barometer above MSL. 242 meters
 Height of thermometer above ground 1.20 meters
 Height of wind vane above ground 11.80 meters
 Height of rain gauge 0.80 meters

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Pressure (+ 1000 or 900 mbs.)													
Mean	14.08	11.57	09.34	07.39	05.96	04.95	05.00	05.24	07.25	11.11	13.64	14.79	09.19
Ext. Max.	27.35	23.46	22.69	19.84	14.88	12.99	13.39	13.53	15.86	20.17	22.68	25.04	27.35
Ext. Min.	04.14	01.32	05.36	97.73	97.28	95.92	94.93	95.64	98.10	01.24	05.37	04.48	94.93
Mean daily range	6.32	6.82	6.88	6.61	5.57	4.52	4.21	4.46	4.96	5.26	5.44	5.93	5.58
Temperature (°C.)													
Mean	21.3	23.9	27.4	29.7	28.8	28.0	27.6	27.1	26.6	25.9	24.0	21.4	26.0
Mean Max.	30.1	33.2	35.9	37.3	34.9	33.0	32.3	31.8	31.6	31.2	30.5	29.4	32.6
Mean Min.	13.6	15.1	18.7	22.4	23.8	24.0	23.8	23.5	23.0	21.7	18.4	14.8	20.2
Ext. Max.	35.8	37.8	41.2	43.0	43.2	38.4	38.0	37.1	35.8	35.2	35.0	34.7	43.2
Ext. Min.	3.9	8.1	11.2	13.1	19.7	20.7	20.1	20.5	19.0	12.7	7.1	4.7	3.9
Relative Humidity (%)													
Mean	72.0	64.0	58.0	59.0	72.0	77.0	78.0	82.0	85.0	84.0	80.0	76.0	74.0
Mean Max.	95.7	92.1	86.8	85.6	91.0	92.7	92.9	94.9	96.5	97.1	96.8	96.3	93.2
Mean Min.	42.4	34.1	31.3	35.4	51.0	59.6	62.0	65.6	67.5	64.4	56.0	49.3	51.6
Ext. Min.	19.0	12.0	12.0	14.0	21.0	38.0	38.0	45.0	43.0	36.0	32.0	21.0	12.0
Dew Point (°C.)													
Mean	15.2	15.4	16.9	19.7	22.7	23.4	23.2	23.6	23.7	22.7	19.8	16.5	20.2
Evaporation (mm.)													
Mean - Pan	82.3	107.0	153.7	197.8	157.6	146.3	129.7	117.9	110.8	98.7	87.9	80.0	1469.7
Cloudiness (0 - 8)													
Mean	2.6	2.2	2.3	3.4	5.4	6.4	6.8	6.9	6.3	5.1	3.8	3.3	4.5
Sunshine Duration (hr.)													
Mean	No Observation												
Visibility (km.)													
0700 L.S.T.	3.0	2.1	2.0	4.2	9.8	11.8	11.6	9.8	7.8	5.5	4.6	3.9	6.3
Mean	6.6	4.5	3.9	6.4	11.9	12.9	12.7	11.8	11.4	11.0	10.8	9.4	9.4
Wind (Knots)													
Prevailing wind	S	S	S	S	S	S	SW	S	S	NE	NE	NE	-
Mean wind speed	1.9	2.3	2.8	3.4	3.1	3.3	3.5	2.8	2.0	1.6	1.5	1.7	-
Max. wind speed	24 NNW	54 SW	70 WNW	64 WSW	60 ENE	61 WSW	39 SW	50 SW	44 ESE	32 E	28 SSE	28 SSW	70 WNW
Rainfall (mm.)													
Mean	8.2	6.3	25.5	62.2	150.3	131.3	130.6	206.8	210.3	117.2	24.4	6.0	1079.1
Mean rainy days	1.4	1.1	2.7	6.1	14.6	15.6	17.4	19.8	18.4	12.0	3.4	1.6	114.1
Greatest in 24 hr.	35.9	54.5	47.5	140.0	89.0	105.9	96.4	86.0	87.6	71.7	49.2	14.6	140.0
Day/Year	2/77	3/65	7/58	29/74	20/70	7/65	14/71	31/62	14/69	16/72	12/74	28/72	29/74
Number of days with													
Haze	24.9	26.4	29.4	26.3	6.7	0.9	1.0	1.2	3.0	5.6	10.9	16.5	152.8
Fog	8.6	5.9	4.5	1.3	1.0	0.1	0.4	0.7	3.7	10.3	12.8	12.8	62.1
Hail	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Thunderstorm	0.3	0.9	3.6	9.1	16.9	10.7	9.5	10.3	11.9	8.1	1.3	0.2	82.8
Squall	0.0	0.1	0.0	0.3	0.6	0.4	0.3	0.1	0.2	0.0	0.0	0.0	2.0

Remark :

1. Pressure 1954 - 1980
2. Evaporation 1975 - 1980

WATER YEAR - 1952

Table 3.2-2 (1) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	59.6	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
2	0.0	0.0	16.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0
3	0.0	0.0	23.1	0.0	0.0	9.3	0.0	0.0	0.0	0.0	1.6	0.0	0.0
4	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	7.6	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	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	37.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	44.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	2.1	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	45.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	9.5	0.0	0.0	0.0
16	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	5.6	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	4.5	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	24.5	10.8	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	11.9	0.0	0.0	4.6	8.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	3.6	15.3	0.0	24.3	0.0	0.0	0.0	7.5	0.0	0.0
22	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	4.6	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	32.0	19.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	18.4	1.7	2.0	0.0	0.0	6.0	9.0	0.0	0.0	0.0	27.2	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	6.7	27.3	7.4	11.6	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	4.7	57.9	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0
30	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
31	0.0	0.0	0.0	20.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL	52.3	80.6	79.6	150.6	186.6	127.8	80.2	12.9	0.0	29.7	57.6	0.0	867.9
AVERAGE	2.0	2.6	2.6	4.5	6.0	4.2	2.5	0.4	0.0	0.9	2.0	0.0	2.3
RAINY DAYS	3	6	8	11	10	8	7	1	0	3	5	0	62
MAX 1 DAY RAINFALL			59.6 MM	1 JUL									
MAX 2 DAY RAINFALL			85.2 MM	25 AUG									
MAX 3 DAY RAINFALL			85.2 MM	28 AUG									

WATER YEAR - 1953

Table 3.2-2 (2) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	3.6	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	6.6	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	21.1	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	5.4	0.0	10.0	42.4	60.7	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	26.6	11.0	6.5	0.0	0.0	9.3	0.0	0.0	0.0	0.0	
7	0.0	2.7	42.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	24.3	28.2	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.8	0.0	0.0	9.2	31.5	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.5	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	8.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	42.9	5.2	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	25.5	26.5	0.0	6.6	0.0	21.2	0.0	10.5	0.0	0.0	0.0	
17	0.0	0.0	0.0	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	8.9	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	58.9	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	25.4	0.0	21.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	4.7	0.0	46.7	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	10.0	45.4	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.3	10.2	12.1	0.0	0.0	0.0	0.0	0.0	
24	14.6	36.6	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	4.5	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	21.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	15.8	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	
28	0.0	5.5	0.0	49.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.6	0.0	15.8	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
30	18.6	0.0	0.0	18.3	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31		0.0	4.9	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

TOTAL	97.7	140.3	263.0	154.0	216.3	251.9	142.4	9.3	10.5	0.0	0.0	0.0	1225.8
AVERAGE	3.1	4.5	8.7	4.9	6.9	8.3	4.5	0.3	0.3	0.0	0.0	0.0	3.3
RAINY DAYS	3	12	11	10	16	10	8	1	1	0	0	0	72
MAX 1 DAY RAINFALL			50.7 MM	5 SEP.									
MAX 2 DAY RAINFALL			94.3 MM	19 JUN									
MAX 3 DAY RAINFALL			105.4 MM	18 JUN									

WATER YEAR - 1954

Table 5.2-2 (5) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	1.8	0.0	0.9	33.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	16.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	63.6	0.0	0.0	1.4	0.0	74.4	0.0	9.4	0.0	0.0	0.0	0.0
4	0.0	5.5	0.0	0.0	0.0	0.0	25.6	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	11.6	8.1	4.8	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	3.4	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	6.8	1.4	0.0	72.1	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	3.3	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	44.3	0.5	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	1.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	5.3	3.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	14.3	2.3	0.0	13.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	4.0	0.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	14.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	7.5	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	3.8	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	9.7	0.8	0.0	18.2	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	40.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	13.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	16.6	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0
26	0.0	0.0	36.5	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	31.2	0.0
27	0.0	0.0	0.0	5.9	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0
29	4.5	0.0	0.0	0.0	22.7	1.1	0.0	0.0	0.0	0.0	0.0	15.2	0.0
30	5.6	3.2	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		53.7		4.7	0.0		0.0		0.0			0.0	0.0

TOTAL	10.1	222.7	110.0	64.5	174.8	145.8	198.4	0.0	9.4	0.0	53.3	74.0	1063.0
AVERAGE	0.3	7.1	3.6	2.0	5.6	4.8	6.4	0.0	0.3	0.0	1.9	2.3	2.9
RAINY DAYS	2	14	9	9	18	12	5	0	1	0	2	4	75
MAX 1 DAY RAINFALL			74.4 MM	3 OCT									
MAX 2 DAY RAINFALL			100.0 MM	3 OCT									
MAX 3 DAY RAINFALL			100.0 MM	3 OCT									

WATER YEAR - 1955

Table 3.2-2 (4) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	27.6	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	128.4	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	15.3	0.0
7	1.6	0.0	30.9	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	2.1	0.0	0.0	38.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2.5	0.0	10.0	0.0	0.0	6.2	12.4	0.0	0.0	0.0	1.9	0.0	0.0
10	0.0	0.0	10.0	0.0	0.0	7.3	0.0	27.6	0.0	0.0	8.7	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0
12	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	29.3	0.0	1.4	28.7	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	26.3	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	45.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	9.3	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	17.2	34.2	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	16.3	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	51.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.5	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	12.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	3.4	7.3	14.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	12.6	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL	37.0	82.6	270.3	66.7	191.7	246.6	33.5	27.6	0.0	0.0	18.5	15.3	1009.8
AVERAGE	1.2	2.6	8.0	2.7	6.1	8.2	1.0	0.9	0.0	0.0	0.6	0.4	2.7
RAINY DAYS	5	4	10	6	12	13	3	1	0	0	3	1	59
MAX 1 DAY RAINFALL			129.4 MM	6 JUN									
MAX 2 DAY RAINFALL			159.3 MM	6 JUN									
MAX 3 DAY RAINFALL			151.4 MM	6 JUN									

WATER YEAR - 1956

Table 3.2-2 (5) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	29.2	29.2	29.9	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	46.5	0.0	15.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	7.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	21.4	50.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	30.3	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	13.6	6.2	0.0	10.1	32.7	0.0	6.4	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	14.1	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	8.5	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	5.3	3.2	0.0	32.2	0.0	30.5	0.0	0.0	0.0	12.8	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0
15	0.0	4.8	0.0	5.0	2.8	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	22.7	21.3	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	8.4	0.0	27.7	6.1	0.0	12.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	15.5	0.0	11.9	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	41.4	0.0	0.0	11.8	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	37.6	0.0	43.2	7.1	9.0	21.8	0.0	0.0	0.5	0.0	0.0	0.0	0.0
21	51.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	30.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	3.3	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	12.6	3.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	97.6	177.5	120.6	167.2	212.7	213.6	61.2	12.6	0.5	0.0	12.8	6.6	1103.3
AVERAGE	3.2	5.7	4.0	5.3	6.8	7.1	2.6	0.4	0.0	0.0	0.4	0.2	3.0
RAINY DAYS	3	12	6	13	12	12	5	2	1	0	1	1	68
MAX 1 DAY RAINFALL			51.6 MM	21 APR									
MAX 2 DAY RAINFALL			89.4 MM	20 APR									
MAX 3 DAY RAINFALL			90.6 MM	5 AUG									

WATER YEAR - 1957

Table 3.2-2 (6) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	6.0	0.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	59.4	0.0	0.0	34.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	6.2	2.8	0.0	4.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0
4	74.9	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	6.2	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	0.0	0.0	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	10.6	0.0	5.1	37.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	15.9	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	6.5	12.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	15.7	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	9.4	0.0	61.1	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	12.8	0.0	0.0	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	24.1	0.0	45.3	17.9	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	13.2	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	27.5	0.0	0.0	5.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	11.6	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	18.5	0.0	0.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	6.7	9.6	0.0	51.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	26.9	51.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	37.1	0.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	35.2	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		2.2		0.0	15.6		4.6		0.0	0.0		0.0	0.0
TOTAL	111.1	121.6	138.8	154.9	124.3	325.5	120.7	0.0	0.0	21.6	0.0	0.0	1118.5
AVERAGE	3.7	3.9	4.6	4.9	4.0	10.8	3.6	0.0	0.0	0.6	0.0	0.0	3.0
RAINY DAYS	2	7	6	9	12	15	6	0	0	1	0	0	60
MAX 1 DAY RAINFALL			74.9 MM	4 APR									
MAX 2 DAY RAINFALL			77.4 MM	26 SEP									
MAX 3 DAY RAINFALL			106.7 MM	25 SEP									

WATER YEAR - 1958

Table 3.2-2 (7) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	9.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	3.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	18.3	13.5	8.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	10.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	10.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	13.2	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	5.6	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	16.0	0.0	13.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	35.1	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	7.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	57.8	0.0	1.8	0.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	4.8	30.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0
17	0.0	7.2	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	9.5	36.2	40.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0
24	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	7.9	0.0	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	37.9	0.0	4.3	22.1	60.1	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	22.1	0.0	53.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	8.5	11.6	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	5.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	59.9	96.5	203.9	58.9	223.7	160.1	85.5	12.7	0.0	0.0	0.0	20.1	956.2
AVERAGE	2.9	3.1	6.9	1.9	7.2	5.3	2.7	0.4	0.0	0.0	0.0	0.6	2.6
RAINY DAYS	3	7	14	7	12	8	4	1	0	0	0	1	57
MAX 1 DAY RAINFALL			60.1 MM	26 OCT									
MAX 2 DAY RAINFALL			62.2 MM	28 JUN									
MAX 3 DAY RAINFALL			95.4 MM	26 JUN									

WATER YEAR - 1960

Table 5.2-2 (9) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	5.4	0.0	11.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	1.0	9.0	6.3	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0
4	0.0	0.0	16.2	40.2	0.0	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	16.2	24.5	0.0	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	22.9	0.0	0.0	0.0	7.7	1.9	0.0	0.0	0.0	1.3	0.0	0.0
7	0.0	22.3	22.9	0.0	0.0	4.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	27.3	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	13.8	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	4.4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	9.6	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	5.9	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	40.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	17.6	19.5	0.0	13.2	17.9	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	3.5	2.6	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	11.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	9.5	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	36.1	0.0	0.0	60.3	0.0	0.0	24.9	0.0	0.0	0.0	0.0	0.0
20	0.0	21.2	0.0	0.0	2.0	18.6	11.2	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	32.0	0.0	0.0	0.0	2.4	15.3	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	13.2	0.0	10.9	11.3	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	4.1	0.0	0.0	39.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	10.2	3.2	0.0	5.8	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	9.4	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	7.6	53.5	0.0	0.0	7.8	0.0	4.3	0.0	0.0	0.0	18.7	0.0
29	0.0	5.2	0.0	0.0	6.7	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0
30	10.3	0.0	0.0	0.0	0.0	6.9	0.0	5.2	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	0.0	0.0	0.0	0.0	2.6	0.0

TOTAL	10.3	199.5	150.5	139.0	186.2	233.5	115.0	42.7	10.2	0.0	1.3	39.8	1128.0
AVERAGE	0.3	6.4	5.0	4.4	6.0	7.7	3.7	1.4	0.3	0.0	0.0	1.2	3.0
RAINY DAYS	1	13	8	10	10	19	9	5	2	0	1	4	82
MAX 1 DAY RAINFALL			60.3 MM	19 AUG									
MAX 2 DAY RAINFALL			70.5 MM	18 AUG									
MAX 3 DAY RAINFALL			89.9 MM	19 MAY									

WATER YEAR - 1961

Table 3.2-2 (10) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	0.0	10.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	55.2	1.1	10.2	2.7	41.6	0.0	0.0	1.4	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.4	1.2	2.9	0.0	3.2	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	5.0	20.1	51.9	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	9.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	5.8	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	3.8	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	39.9	4.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	6.5	0.0	8.3	10.5	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	19.5	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	1.9	14.2	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	3.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	36.1	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	39.6	0.0	1.1	6.3	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	6.9	0.0	20.4	0.1	26.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.4	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	20.2	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	1.3	25.6	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0
24	0.0	0.0	8.7	2.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	49.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	21.7	0.0	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	5.1	28.9	3.1	2.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	20.9	0.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	15.5	5.3	0.0	3.3	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	5.5	1.1	7.5	5.2	3.0	15.2	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	4.2	5.3	5.3	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	103.5	180.9	102.2	46.6	195.9	120.6	190.2	2.9	4.7	4.6	0.0	0.0	952.0
AVERAGE	3.4	5.8	3.4	1.5	6.3	4.0	6.1	0.0	0.1	0.1	0.0	0.0	2.6
RAINY DAYS	4	11	11	13	16	18	12	1	1	2	0	0	91
MAX 1 DAY RAINFALL			58.2 MM	2 INCH									
MAX 2 DAY RAINFALL			75.7 MM	17 ABR									
MAX 3 DAY RAINFALL			94.7 MM	2 OCT									

Table 5.2-2 (II) DAILY RAINFALL IN MILLIMETER
WATER YEAR - 1962

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	12.3	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	1.2	1.6	20.8	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	1.5	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	76.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	2.3	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	8.5	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	17.3	0.0	2.7	0.0	0.0	0.0	0.0	20.8	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	23.7	20.6	23.4	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	9.3	3.1	40.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	6.4	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	15.9	0.0	27.2	0.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.7	0.0	38.3	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	8.2	0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0
15	5.7	0.0	0.0	1.2	0.0	0.0	45.7	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	3.7	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	7.2	11.3	0.0	93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	7.2	0.0	0.0	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	6.8	11.2	20.3	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	1.7	0.0	25.1	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	3.3	7.4	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1.6	0.0	0.0	6.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.3	25.3	0.0	7.9	10.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	2.1	12.6	2.6	2.7	21.7	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	1.0	24.8	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	1.7	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	14.9	0.0	0.0	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	42.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	2.9	2.9	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9.7	74.7	60.9	127.5	161.5	396.1	178.9	0.0	0.0	0.0	0.0	20.3	1050.1
AVERAGE	0.3	2.4	2.0	4.1	5.2	13.2	5.7	0.0	0.0	0.0	0.0	0.6	2.8
RAINY DAYS	4	9	10	13	14	16	13	0	0	0	0	1	90
MAX 1 DAY RAINFALL			93.0 MM	17 SEP									
MAX 2 DAY RAINFALL			112.1 MM	17 SEP									
MAX 3 DAY RAINFALL			123.5 MM	17 SEP									

WATER YEAR - 1963

Table 3.2-2 (12) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	1.2	4.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	4.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	10.1	3.7	31.8	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	21.4	0.0	14.2	18.5	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	4.9	0.0	9.1	27.2	0.0	0.0	12.8	0.0	0.0
6	0.0	0.0	0.0	0.0	9.1	0.0	29.7	15.4	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4.2	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	2.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	5.7	42.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	36.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	5.3	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	31.6	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	18.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	9.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	5.7	15.1	30.2	0.0	0.0	0.0	0.0	0.0	0.0
26	7.2	0.0	0.0	0.0	0.0	19.3	15.6	0.0	0.0	0.0	0.0	0.0	0.0
27	4.1	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.3	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL	10.3	53.6	247.4	110.8	201.2	200.0	164.6	61.9	0.0	0.0	12.8	0.0	1083.6
AVERAGE	0.6	1.7	8.2	3.6	6.4	6.6	5.3	2.0	0.0	0.0	0.4	0.0	2.9
RAINY DAYS	4	9	10	13	18	16	10	4	0	0	1	0	82
MAX 1 DAY RAINFALL			51.7 MM	2 JUN									
MAX 2 DAY RAINFALL			66.6 MM	27 JUN									
MAX 3 DAY RAINFALL			66.6 MM	27 JUN									

ROYAL AIR FORCE STATION - 4, THE TRAY LAMPANG 1160921

WATER YEAR - 1964

Table 5.2-2 (15) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	0.0	18.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	3.9	33.3	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	25.7	0.0	7.9	0.0	0.0	35.2	0.0	0.0	0.0	3.5	1.0	0.0
4	0.0	0.0	0.0	7.9	0.0	20.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	1.3	0.0	4.4	43.9	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	6.0	0.0	3.2	0.0	59.2	0.0	3.8	0.0	0.0	0.0	0.0	0.0
7	0.0	9.1	0.0	24.3	6.6	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0
8	0.0	12.9	17.6	29.7	1.4	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	3.9	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	49.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	33.4	7.7	0.0	33.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	29.7	5.1	2.4	0.0	23.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2.0	3.3	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	29.4	0.0	0.0	0.0	0.0	17.9	0.0	0.0	0.0	0.0	0.0	73.0
15	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	7.3	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	2.4	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	45.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	9.9	0.0	0.0	0.0	6.1	31.4	8.9	0.0	0.0	0.0	0.0	0.0	0.0
24	12.3	13.4	0.0	0.0	0.0	2.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
25	2.2	0.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	8.5	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	1.4	24.0	0.0	2.9	3.7	52.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	56.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	9.3	7.1	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL	62.6	273.2	34.1	145.4	208.6	246.4	253.4	1.8	0.0	0.0	23.6	75.4	1324.7
AVERAGE	2.0	8.8	1.1	4.6	6.7	8.2	8.1	0.0	0.0	0.0	0.8	2.4	3.6
RAINY DAYS	7	17	5	11	11	16	14	1	0	0	2	3	67
MAX 1 DAY RAINFALL			93.6 MM	12 AUG									
MAX 2 DAY RAINFALL			99.5 MM	12 AUG									
MAX 3 DAY RAINFALL			123.0 MM	12 AUG									

WATER YEAR - 1966

Table 3.2-2 (15) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	4.4	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	30.6	16.1	0.0	2.4	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	38.5	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	27.9	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	3.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	8.1	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	15.5	0.0	4.1	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	17.3	16.1	0.0	0.0	2.7	0.0	0.0	0.0	0.0
17	0.0	6.1	24.5	20.4	13.7	17.2	11.9	0.0	5.8	0.0	0.0	0.0	0.0
18	0.0	16.4	1.4	42.1	11.3	18.1	22.9	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	20.5	0.0	12.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	31.4	0.0	0.0	7.8	0.0	0.0	2.4	2.5	0.0	0.0	0.0	0.0
21	0.0	10.2	0.0	0.0	11.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
22	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	23.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	2.4	7.4	0.0	2.8	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
26	7.4	0.0	0.0	0.0	21.2	0.0	25.2	1.9	0.0	0.0	0.0	0.0	0.0
27	0.0	3.0	0.0	0.0	20.2	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	16.3	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	19.9	0.0	0.0	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	30.0	0.0	5.4	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	10.5	0.0	0.0	0.0	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL	7.4	226.7	122.7	121.7	212.3	125.3	97.6	3.4	22.9	0.0	0.0	0.0	945.0
AVERAGE	0.2	7.3	4.0	3.9	6.6	4.1	3.1	0.2	0.7	0.0	0.0	0.0	2.5
RAINY DAYS	1	15	6	6	17	9	0	3	4	0	0	0	74
MAX 1 DAY RAINFALL			42.1 MM	18 JUL									
MAX 2 DAY RAINFALL			54.5 MM	30 AUG									
MAX 3 DAY RAINFALL			74.7 MM	17 JUL									

WATER YEAR - 1968

Table 3.2-2 (17) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	88.1	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	8.8	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	8.7	0.0	67.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.3	0.0	0.0	0.0	0.0	68.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	3.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0
7	0.0	7.8	0.0	0.0	0.0	0.0	43.4	0.0	0.0	0.4	0.0	0.0	0.0
8	0.0	45.9	0.0	0.0	0.0	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	17.3	0.0	5.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.7	0.6	1.3	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	3.2	6.7	0.0	3.2	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	31.0	0.0	0.0	31.2	0.0	11.3	0.0	0.0	0.0	0.0	0.0
13	2.2	0.0	0.0	2.7	0.5	52.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	44.1	0.0	0.0	0.7	12.2	16.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0
15	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	16.2	4.5	0.0	0.0	10.1	0.0	0.0	0.0	0.0	50.4	0.0
18	0.0	6.3	12.5	1.5	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	16.4	4.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	6.8	0.0	0.0	5.6	7.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.7	14.1	0.0	5.5	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	32.1	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	2.9	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7.4	4.5	39.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	3.1	11.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	94.2	151.5	261.2	68.3	119.5	249.2	157.6	12.9	0.0	8.7	0.0	50.4	1173.7
AVERAGE	3.1	4.8	8.7	2.2	3.8	8.3	5.0	0.4	0.0	0.2	0.0	1.6	3.2
RAINY DAYS	9	14	12	12	8	13	7	2	0	2	0	1	80
MAX 1 DAY RAINFALL			88.1 MM	2 JUN									
MAX 2 DAY RAINFALL			114.9 MM	7 OCT									
MAX 3 DAY RAINFALL			139.9 MM	7 OCT									

WATER YEAR - 1969

Table 5.2-2 (18) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.4	0.4	0.4	1.6	0.0	20.0	0.0	0.0	0.0	0.0	0.0
2	36.6	0.0	0.0	0.0	0.0	0.0	13.8	0.4	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	59.9	0.0	0.0	0.0	0.0	0.0	0.0
4	17.4	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	7.5	19.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	32.1	3.6	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	5.2	1.1	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	4.6	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0
11	13.4	9.7	4.2	3.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	45.2	0.0	15.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	10.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	21.6	21.2	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	20.8	0.0	6.1	106.7	0.9	0.0	0.0	3.8	0.0	0.0	0.0
16	10.3	0.0	0.0	0.0	7.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	41.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	4.7	1.5	74.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	1.5	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	6.1	0.0	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	40.9	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	3.1	0.0	0.2	0.0	32.7	6.4	0.0	0.0	0.0	0.0	0.7	0.0
23	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.1	0.0
24	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	17.9	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	25.0	0.6	1.4	2.1	0.0	19.1	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	12.3	25.4	1.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	37.8	0.0	0.0	15.3	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	6.3	13.2	35.5	0.0	0.0	41.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	4.0	4.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	84.0	155.8	154.9	145.0	190.7	391.3	70.0	16.7	0.0	3.9	0.6	60.7	1284.1
AVERAGE	2.8	5.3	5.1	4.5	6.1	13.0	2.2	0.5	0.0	0.1	0.0	1.9	3.5
RAINY DAYS	5	12	14	12	16	13	6	2	0	1	1	3	87
MAX 1 DAY RAINFALL			106.7 MM										
MAX 2 DAY RAINFALL			120.3 MM										
MAX 3 DAY RAINFALL			129.1 MM										

WATER YEAR - 1970
Table 3.2-2 (19) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	16.7	12.6	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
2	0.4	0.0	3.5	20.2	1.2	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
3	1.6	0.0	2.4	6.8	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0
4	3.5	0.0	6.2	0.3	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0
5	7.4	27.6	37.5	7.6	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	3.1	29.6	47.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	26.7	3.4	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.3	3.2	7.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	8.8	0.0	6.9	0.6	18.7	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	7.2	17.5	8.6	0.0	0.0	0.0	0.0	0.0	0.0
12	1.7	0.0	41.6	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	38.2	0.0	34.1	3.2	0.0	0.0	21.8	0.0	0.0	0.0	0.0
14	0.0	0.3	0.0	3.9	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0
15	0.0	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	15.0	0.0	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	5.9	0.0	0.0	36.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	46.4	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	4.9	0.0	0.6	30.3	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0
20	0.0	70.2	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	23.1	0.0	7.4	0.0	10.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
22	6.1	26.3	2.6	22.0	3.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	10.2	4.3	5.2	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	12.5	1.3	0.0	1.4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
25	1.6	0.4	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7.4	0.0	0.0	0.0	30.6	0.0	30.1	0.0	0.0	0.0	0.0	0.2	0.0
28	0.0	0.0	0.0	0.0	0.0	3.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	39.8	0.0	0.0	0.0	78.3	0.0	8.2	0.0	0.0	0.0	0.0	0.0
30	0.0	13.8	0.0	0.0	0.0	3.8	4.2	6.4	0.0	0.0	0.0	0.0	0.0
31		0.0		0.0	0.0		3.9		0.0	0.0		0.0	0.0
TOTAL	71.1	252.0	209.2	86.2	231.7	219.7	74.0	14.6	52.2	0.0	0.0	5.1	1215.6
AVERAGE	2.3	8.1	6.9	2.7	7.4	7.3	2.3	0.4	1.6	0.0	0.0	0.1	3.3
RAINY DAYS	11	15	11	12	16	15	6	2	6	0	0	3	99
MAX 1 DAY RAINFALL			78.3 MM	29 SEP									
MAX 2 DAY RAINFALL			93.5 MM	20 MAY									
MAX 3 DAY RAINFALL			120.1 MM	20 MAY									

WATER YEAR - 1971

Table 3.2-2(20) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	18.7	0.0	0.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	13.4	31.4	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	5.8	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	10.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	6.7	0.0	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	3.2	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	11.5	0.0	0.0	0.0	28.3	0.0	2.4	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	21.3	0.0	4.7	6.4	2.0	0.0	0.0	0.0	0.0	0.0
9	4.7	0.0	0.3	3.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	5.2	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0
13	0.0	0.6	0.0	65.1	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	4.2	0.0	15.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	15.6	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	11.3	2.5	54.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	20.1	0.0	13.7	6.2	28.4	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.6	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0
20	6.9	5.4	0.0	0.0	34.2	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0
21	0.0	10.2	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	7.4	0.0	0.0	42.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	8.1	9.7	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	10.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	28.2	0.0	1.2	23.1	44.4	10.3	4.2	0.0	0.0	0.0	0.0	0.0
26	0.0	3.5	7.1	1.4	10.4	3.0	12.0	1.4	0.0	0.0	0.0	0.0	0.0
27	3.2	16.2	0.9	0.3	5.1	16.9	8.2	1.6	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	10.3	5.6	0.0	1.4	0.0	3.9	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	4.2	26.5	0.0	9.2	0.0	1.8	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	12.3	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	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	34.9	127.2	76.0	178.4	239.7	268.8	145.5	11.6	8.7	0.0	11.2	20.9	1122.9
AVERAGE	1.1	4.1	2.5	5.7	7.7	8.9	4.6	0.3	0.2	0.0	0.3	0.6	3.0
RAINY DAYS	4	15	9	15	16	12	11	5	3	0	1	1	92
MAX 1 DAY RAINFALL			65.1 MM	13 JUL									
MAX 2 DAY RAINFALL			117.5 MM	16 SEP									
MAX 3 DAY RAINFALL			130.5 MM	16 SEP									

WATER YEAR - 1972

Table 5.2-2 (21) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	2.2	0.0	2.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	9.2	0.0	2.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	4.2	60.4	0.0	0.0	0.0	0.0	0.0	0.0
4	17.4	0.0	6.4	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	35.5	7.4	7.9	22.2	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	4.7	0.0	0.7	5.2	0.0	54.1	0.0	0.0	0.0	18.2	0.0
7	0.0	0.0	25.6	0.0	46.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	10.7	0.0	11.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	11.1	0.0	11.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.5	0.0	0.0	0.9	9.2	0.0	23.2	0.0	6.6	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	3.6	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	15.2	1.6	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	3.1	3.2	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	15.3	0.0	7.5	17.8	0.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	17.9	8.8	2.9	0.0	9.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	29.3	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	4.2	18.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	5.0	1.2	5.9	0.0	5.7	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	5.8	0.0	0.0	0.0	44.5	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	5.7	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10.5	2.9	0.0	0.0	38.2	0.0	0.0	0.0	0.0	0.0	0.0	38.2	0.0
25	0.0	2.0	2.2	0.0	19.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	31.5	0.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	25.2	0.0	1.4	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.1	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0
29	1.6	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	5.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	16.1	0.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	103.1	92.6	102.4	60.1	239.7	95.2	142.0	126.9	6.6	0.0	0.0	57.2	1025.8
AVERAGE	3.4	2.9	3.4	1.9	7.7	3.1	4.5	4.2	0.2	0.0	0.0	1.8	2.8
RAINY DAYS	8	7	9	14	20	14	11	5	1	0	0	5	92
MAX 1 DAY RAINFALL			50.4 MM	3 OCT									
MAX 2 DAY RAINFALL			76.3 MM	5 NOV									
MAX 3 DAY RAINFALL			82.9 MM	5 AUG									

WATER YEAR - 1973

Table 3.2-2 (22) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	3.6	14.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	75.6	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	37.7	0.0	0.0	19.0	19.3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	1.8	1.7	0.0	30.0	18.3	5.9	0.0	0.0	0.0	0.0	0.1	0.0
5	0.0	1.2	0.0	17.8	12.5	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	6.6	0.4	7.0	3.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	7.6	7.7	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	4.2	0.0	2.2	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	1.3	30.6	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.9	15.9	3.7	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	15.5	0.0	10.8	0.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	24.8	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	12.9	1.5	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	4.6	0.2	0.3	0.0	15.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	3.4	0.3	0.0	0.0	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	7.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	11.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	1.8	0.0	0.0	0.0	69.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	10.6	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	7.4	0.0	25.8	3.6	12.6	0.0	35.1	0.0	0.0	0.0	32.9	0.0
22	0.0	0.0	0.0	0.0	15.6	2.8	28.2	3.7	0.0	0.0	0.0	0.0	0.0
23	0.0	11.8	0.0	0.0	34.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	3.2	0.0	0.4	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	3.1	0.0	3.0	0.0	56.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	9.4	4.6	0.0	4.2	3.7	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	3.4	0.0	0.0	32.0	0.0	1.3	0.0	0.0	0.0	0.0	5.3	0.0
28	0.0	25.5	0.0	0.0	0.0	35.4	0.0	0.0	0.0	0.0	0.0	1.2	0.0
29	0.0	16.7	4.4	1.5	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
30	10.3	0.0	31.5	4.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		4.2	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
TOTAL	19.7	239.9	156.6	124.2	201.4	422.4	72.9	36.8	0.0	0.0	0.0	45.8	1321.7
AVERAGE	0.6	7.7	5.2	4.0	6.4	14.0	2.3	1.2	0.0	0.0	0.0	1.4	3.6
RAINY DAYS	2	22	14	15	14	18	10	2	0	0	0	5	102
MAX 1 DAY RAINFALL				75.6 MM									
MAX 2 DAY RAINFALL				96.5 MM									
MAX 3 DAY RAINFALL				106.3 MM									

WATER YEAR - 1977

Table 3.2-2 (26) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	40.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
3	20.9	0.0	20.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	8.6	12.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	7.3	0.0	0.0	0.0	58.6	0.0	0.0	0.0	4.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	60.2	0.0	0.0	0.0	6.5	0.0	0.0	0.0
7	0.0	48.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0
8	0.0	8.4	0.0	5.4	0.0	65.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	20.5	0.0	47.8	0.0	0.0	1.5	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	12.9	0.0	55.4	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	4.8	0.0	0.0	0.0	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	25.8	12.4	12.9	0.0	0.0	0.0	0.0	0.0	0.0
21	6.3	0.0	0.0	0.0	10.8	87.5	0.0	0.0	0.0	0.0	9.3	0.0	0.0
22	0.0	11.4	0.0	0.0	6.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	35.5	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	15.2	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	32.2	0.0	0.0	0.0	69.5	0.0	0.0
27	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	4.7	13.4	12.4	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	12.4	0.0	0.0	48.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	71.4	158.9	20.3	114.1	211.2	329.0	120.6	0.0	0.0	21.9	88.9	0.0	1146.5
AVERAGE	2.3	5.4	0.6	3.6	6.8	10.9	3.8	0.0	0.0	0.7	3.1	0.0	3.1
RAINY DAYS	5	11	1	5	11	8	5	0	0	4	4	0	54
MAX 1 DAY RAINFALL			97.5 MM	21 SEP									
MAX 2 DAY RAINFALL			118.8 MM	5 SEP									
MAX 3 DAY RAINFALL			129.4 MM	5 SEP									

WATER YEAR - 1975

Table 5.2-2 (27) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	5.9	0.0	46.3	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	20.2	0.0	2.4	18.3	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	26.5	9.2	3.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	21.5	8.0	0.0	0.0	9.6	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	2.4	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	25.4	5.3	12.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	6.5	19.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	4.8	0.0	0.0	0.0	0.0	3.8	41.3	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	22.0	0.0	5.6	0.0	7.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	1.8	28.6	12.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	3.5	0.9	40.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	15.3	0.0	4.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	14.5	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	11.8	4.3	0.0	22.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	2.6	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	1.4	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	3.8	3.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	2.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	3.5	2.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	105.3	0.0	5.5	6.5	0.0	75.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	19.9	0.0	1.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	4.6	2.7	3.0	4.9	0.0	0.0	0.0	0.0	6.4	0.0	0.0
29	0.0	0.0	0.0	12.6	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	8.2	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	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	110.1	71.8	39.6	218.4	158.9	181.3	101.1	0.0	0.0	0.0	6.4	0.0	807.6
AVERAGE	3.6	2.3	1.3	7.0	5.1	6.0	3.2	0.0	0.0	0.0	0.2	0.0	2.4
RAINY DAYS	2	6	5	20	13	19	10	0	0	0	1	0	76
MAX 1 DAY RAINFALL			105.3 MM	22 APR									
MAX 2 DAY RAINFALL			105.3 MM	22 APR									
MAX 3 DAY RAINFALL			105.3 MM	22 APR									

WATER YEAR - 1979

Table 3.2-2 (28) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	21.9	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	4.4	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	11.7	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	31.4	0.0	32.7	9.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	49.1	60.1	3.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	1.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	4.1	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	31.6	19.2	3.6	0.0	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	22.7	0.0	3.5	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	4.2	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	0.0
16	0.0	1.8	6.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	2.3	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	29.4	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	2.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11.3	0.0	0.0	0.0	49.3	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	21.2	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	31.6	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	28.4	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	43.1	199.7	209.6	47.2	149.3	118.8	22.1	0.0	0.0	0.0	0.0	20.1	810.1
AVERAGE	1.4	6.4	6.9	1.5	4.8	3.9	0.7	0.0	0.0	0.0	0.0	0.6	2.2
RAINY DAYS	2	9	12	6	11	11	2	0	0	0	0	2	55
MAX 1 DAY RAINFALL			50.1 MM	7 JUN									
MAX 2 DAY RAINFALL			91.5 MM	6 JUN									
MAX 3 DAY RAINFALL			103.2 MM	5 JUN									

WATER YEAR - 1980

Table 3.2-2 (29) DAILY RAINFALL IN MILLIMETER

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.0	0.0	0.0	6.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	14.6	0.0	0.0	0.0	10.6	0.0	0.0	0.0	4.0	0.0	0.0
3	0.0	0.0	10.5	0.0	0.0	2.7	26.3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	2.2	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	5.5	0.0	0.0	0.0	0.0	15.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	14.9	5.0	2.8	0.0	0.0	0.0	0.0	0.0
8	0.0	3.4	0.0	0.0	3.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	1.9	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	5.2	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	4.5	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	6.8	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	4.3	0.0	0.0	9.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
16	15.5	0.0	31.1	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	2.4	0.0	0.0	1.2	0.0	0.0	19.7	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	5.2	5.6	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	11.8	2.5	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	36.1	17.3	91.3	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	24.1	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	22.4	1.2	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	9.6	0.7	0.0	2.5	44.7	0.0	0.0	0.0	0.0	0.0	12.3	0.0
25	0.0	0.0	14.4	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0
26	0.0	6.7	0.0	0.0	1.6	18.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	5.4	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	23.8	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	25.2	3.7	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	6.8	9.4	13.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	7.1	7.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21.0	116.4	192.0	216.8	65.2	199.1	107.8	22.5	16.8	0.0	4.0	13.4	980.0
AVERAGE	0.7	3.7	6.4	6.9	2.1	6.6	3.4	0.7	0.5	0.0	0.1	0.5	2.6
RAINY DAYS	2	10	16	10	10	19	10	2	1	0	1	2	83
MAX 1 DAY RAINFALL				91.3 MM									
MAX 2 DAY RAINFALL				93.8 MM									
MAX 3 DAY RAINFALL				103.4 MM									

Table 3.2-3 Annual Maximum Daily Rainfall at A. Mac Tha (16052)

Water Year	Max. 1 day		Max. 2 day		Max. 3 day	
	Rainfall mm	Date	Rainfall mm	Date	Rainfall mm	Date
1952	59.6	7/1	85.2	8/28	85.2	8/28
1953	60.7	9/5	84.3	6/19	105.5	6/18
1954	74.4	10/3	100.0	10/3	100.0	10/3
1955	128.4	6/6	159.3	6/6	161.4	6/6
1956	51.8	4/21	89.4	4/20	90.6	8/5
1957	74.9	4/4	77.4	9/26	106.7	9/25
1958	60.1	10/26	62.2	6/28	96.4	6/26
1959	104.2	5/10	116.5	5/9	123.1	6/23
1960	60.3	8/19	70.5	8/18	89.9	5/19
1961	55.2	6/2	75.7	4/17	94.7	10/2
1962	93.0	9/17	112.1	9/17	123.3	9/17
1963	51.7	6/2	66.6	6/27	66.7	6/27
1964	93.6	8/12	99.5	8/12	123.0	8/12
1965	91.0	5/13	92.7	8/19	119.8	8/19
1966	42.1	7/18	64.5	8/30	74.7	7/17
1967	63.7	8/26	113.5	8/26	123.8	8/25
1968	88.1	6/2	114.9	10/7	139.9	10/7
1969	106.7	9/15	128.3	9/14	129.1	9/14
1970	78.3	9/29	93.3	5/20	120.1	5/20
1971	65.1	7/13	117.5	9/16	130.5	9/16
1972	60.4	10/3	76.3	11/5	82.9	8/5
1973	75.6	5/2	96.9	9/25	106.3	9/24
1974	140.7	4/30	143.9	4/30	145.1	4/29
1975	64.7	8/28	81.5	8/21	115.5	8/26
1976	70.8	6/3	111.0	6/3	111.0	6/3
1977	87.5	9/21	118.8	9/5	129.4	9/6
1978	105.3	4/22	105.3	4/22	105.3	4/22
1979	60.1	6/7	91.5	6/6	103.2	6/5
1980	91.3	7/21	93.8	7/20	103.4	7/19

Probability Analysis

	mm	mm	mm
1/2 Years	74.2	96.1	109.7
1/3	84.1	106.2	119.2
1/5	95.1	116.5	128.5
1/10	108.6	128.5	138.8
1/20	121.5	139.0	147.6
1/30	128.9	144.8	152.3
1/50	138.0	151.7	157.9
1/100	150.5	160.7	164.9
1/200	162.9		
1/500	179.4		
1/1000	192.1		

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1970

WATER YEAR - 1970

Table 3.2-4 (I) DISCHARGE IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1970 TO MARCH 31, 1971

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.32	0.44	1.68	3.36	3.00	11.00	27.00	4.33	1.68	0.72	0.52	0.28	
2	0.32	0.56	1.92	3.12	3.84	18.00	18.00	4.20	1.60	0.72	0.52	0.24	
3	0.36	0.44	2.30	3.84	2.60	14.00	13.00	3.16	1.76	0.72	0.52	0.24	
4	0.52	0.40	3.96	4.20	10.00	13.00	9.78	3.72	1.76	0.72	0.52	0.20	
5	0.66	0.36	7.28	3.42	7.46	8.72	8.54	3.48	2.10	0.72	0.48	0.20	
6	0.72	0.40	10.00	6.00	5.24	11.00	7.46	3.36	2.00	0.72	0.48	0.20	
7	0.60	0.36	20.00	39.00	31.00	32.00	6.78	3.12	1.92	0.66	0.48	0.20	
8	0.48	0.20	6.62	18.00	30.00	50.00	5.82	2.80	1.84	0.60	0.44	0.20	
9	0.48	0.18	3.84	11.00	21.00	28.00	7.64	2.60	1.76	0.60	0.44	0.20	
10	0.40	0.18	2.80	7.66	11.00	39.00	11.00	2.40	1.60	0.60	0.44	0.20	
11	0.32	0.12	3.48	6.12	7.64	41.00	25.00	2.30	1.44	0.60	0.44	0.20	
12	0.28	0.10	2.10	5.21	6.62	123.00	18.00	2.10	1.44	0.60	0.40	0.20	
13	0.28	0.10	43.00	5.66	5.98	110.00	11.00	2.10	1.28	0.60	0.40	0.20	
14	0.24	0.10	118.00	4.46	8.18	63.00	9.56	2.10	5.37	0.60	0.40	0.24	
15	0.24	0.08	91.00	4.56	14.00	33.00	9.12	2.10	4.20	0.56	0.40	0.18	
16	0.24	0.16	28.00	5.66	37.00	23.00	7.64	2.30	2.90	0.56	0.40	0.20	
17	0.24	0.24	14.00	4.33	62.00	30.00	6.78	2.60	2.10	0.56	0.36	0.18	
18	0.20	0.28	9.12	5.24	69.00	43.00	5.98	2.50	1.84	0.56	0.36	0.18	
19	0.20	0.28	6.94	4.20	89.00	22.00	5.37	2.30	1.60	0.56	0.32	0.18	
20	0.12	0.66	8.00	3.84	90.00	15.00	4.72	2.30	1.44	0.52	0.32	0.18	
21	0.10	9.12	7.28	3.36	192.00	73.00	4.33	2.20	1.36	0.52	0.28	0.20	
22	0.14	45.00	8.36	3.36	76.00	74.00	4.20	2.20	1.28	0.52	0.28	0.20	
23	0.18	17.00	8.54	4.85	37.00	30.00	4.08	2.10	1.20	0.52	0.28	0.20	
24	0.18	13.00	5.37	11.00	80.00	22.00	3.96	2.00	1.14	0.52	0.28	0.12	
25	0.18	10.00	13.00	5.98	104.00	17.00	3.72	1.92	1.08	0.52	0.28	0.12	
26	0.16	6.62	11.00	4.59	43.00	18.00	3.60	1.76	1.02	0.52	0.28	0.20	
27	0.16	3.72	6.30	3.96	31.00	21.00	10.00	1.68	1.02	0.52	0.28	0.28	
28	0.16	2.90	5.37	3.48	43.00	15.00	15.00	1.52	0.96	0.52	0.28	0.32	
29	0.14	1.92	4.59	3.24	26.00	19.00	7.28	1.60	0.84	0.48	0.28	0.20	
30	0.14	1.92	4.08	3.00	20.00	61.00	4.72	1.68	0.78	0.48	0.18	0.18	
31		1.76	2.80	2.80	16.00		4.33		0.72	0.48			
TOTAL	8.76	119.10	457.93	258.50	1182.56	1077.72	283.41	74.53	53.03	18.10	10.88	6.30	3550.82 CMSDAY
MEAN	0.29	3.84	15.26	8.34	38.15	35.92	9.14	2.48	1.71	0.58	0.39	0.20	9.73 CMS
MAX	0.72	45.00	118.00	66.00	192.00	123.00	27.00	4.33	5.37	0.72	0.52	0.32	192.00 CMS
MIN	0.10	0.08	1.68	2.80	2.60	8.72	3.60	1.52	0.72	0.48	0.28	0.12	0.08 CMS
RUNOFF	0.757	10.290	39.565	22.334	102.173	93.115	24.487	6.439	4.582	1.564	0.940	0.544	306.790 MCM

WATER YEAR - 1971

Table 3.2-4 (2) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1971 TO MARCH 31, 1972

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.05	0.0	7.30	2.60	6.05	11.00	12.00	3.10	1.35	0.75	0.45	0.25	0.25
2	0.05	0.0	12.00	2.90	5.00	9.70	217.00	2.90	1.35	0.75	0.45	0.25	0.25
3	0.05	0.10	6.70	3.00	4.25	39.00	232.00	2.80	1.30	0.75	0.40	0.25	0.25
4	0.0	0.05	4.55	2.80	3.80	38.00	99.00	2.50	1.25	0.70	0.40	0.25	0.25
5	0.0	0.0	3.00	2.80	3.65	48.00	45.00	2.30	1.20	0.70	0.40	0.25	0.25
6	0.10	0.25	2.70	2.20	3.50	22.00	30.00	2.10	1.15	0.65	0.35	0.25	0.25
7	0.15	0.35	2.90	1.70	4.25	14.00	49.00	1.90	1.15	0.65	0.25	0.25	0.25
8	0.0	0.25	2.20	1.45	4.70	45.00	46.00	1.90	1.10	0.65	0.30	0.25	0.25
9	0.0	0.20	1.70	1.90	3.50	44.00	24.00	1.90	1.05	0.65	0.35	0.25	0.25
10	0.0	0.20	1.80	1.45	3.20	26.00	20.00	2.30	1.00	0.65	0.30	0.25	0.25
11	0.0	0.20	1.60	1.15	3.40	17.00	18.00	2.30	1.00	0.65	0.30	0.25	0.25
12	0.0	0.15	1.30	1.05	8.70	12.00	16.00	2.00	0.95	0.65	0.35	0.25	0.25
13	0.0	0.15	0.95	1.00	25.00	10.00	15.00	1.80	0.90	0.60	0.30	0.25	0.25
14	0.0	0.15	0.75	20.00	15.00	8.30	11.00	1.70	0.85	0.55	0.30	0.25	0.25
15	0.0	0.15	0.70	135.00	8.90	6.90	8.30	1.60	0.85	0.55	0.30	0.25	0.25
16	0.0	0.10	0.60	37.00	6.20	6.05	6.50	1.60	0.80	0.55	0.30	0.25	0.25
17	0.0	0.10	0.55	22.00	6.50	13.00	5.75	1.50	0.80	0.50	0.30	0.25	0.25
18	0.0	0.20	0.60	17.00	13.00	28.00	5.45	1.70	0.80	0.55	0.30	0.25	0.25
19	0.0	0.20	0.60	25.00	149.00	34.00	5.15	1.80	0.75	0.50	0.30	0.40	0.40
20	0.0	0.20	0.55	15.00	142.00	23.00	4.70	1.80	0.75	0.45	0.30	0.20	0.20
21	0.15	1.15	0.50	12.00	95.00	14.00	4.10	1.70	0.75	0.55	0.30	0.20	0.20
22	0.15	3.65	0.45	9.10	77.00	9.90	3.50	1.70	0.75	0.50	0.30	0.15	0.15
23	0.10	2.30	0.45	7.10	77.00	6.30	3.30	1.60	0.80	0.50	0.20	0.15	0.15
24	0.25	2.40	0.45	5.45	53.00	5.60	3.30	1.50	0.80	0.45	0.30	0.15	0.15
25	0.15	3.50	0.85	4.55	28.00	4.70	3.30	1.45	0.80	0.50	0.30	0.15	0.15
26	0.0	3.95	0.90	4.25	20.00	8.50	3.30	1.45	0.80	0.50	0.30	0.15	0.15
27	0.0	2.80	1.60	4.10	39.00	11.00	3.50	1.45	0.75	0.50	0.30	0.15	0.15
28	0.0	6.90	8.30	6.20	43.00	22.00	3.65	1.40	0.70	0.45	0.25	0.15	0.15
29	0.0	19.00	6.35	15.00	29.00	10.00	3.50	1.40	0.70	0.45	0.30	0.15	0.15
30	0.0	5.75	3.20	11.00	20.00	6.90	3.50	1.40	0.70	0.50	0.30	0.15	0.15
31		4.40		7.70	15.00		3.30		0.75	0.45		0.10	0.10
TOTAL	1.20	58.80	76.10	383.45	915.60	554.05	906.10	56.55	28.65	17.80	9.30	6.75	3014.34 CMSDAY
MEAN	0.04	1.90	2.54	12.37	29.54	18.47	29.23	1.88	0.92	0.57	0.32	0.22	8.24 CMS
MAX	0.25	19.00	12.00	135.00	149.00	48.00	232.00	3.10	1.35	0.75	0.45	0.40	232.00 CMS
MIN	0.0	0.0	0.45	1.00	3.20	4.70	3.30	1.40	0.70	0.45	0.20	0.10	0.0 CMS
RUNOFF	0.104	5.080	6.575	33.130	79.108	47.870	78.287	4.886	2.475	1.538	0.804	0.583	260.459 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1972

WATER YEAR - 1972

Table 3.2-4 (5) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1972 TO MARCH 31, 1973

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	0.35	0.30	1.00	0.85	8.05	4.90	2.30	2.20	0.75	0.45	0.35	
2	0.10	0.35	0.25	1.10	9.50	10.00	4.30	2.00	1.60	0.70	0.40	0.30	
3	0.10	0.30	0.25	1.05	3.85	6.05	3.55	1.80	1.50	0.65	0.40	0.30	
4	0.10	0.40	0.55	1.00	3.25	8.70	21.00	1.70	1.45	0.70	0.45	0.30	
5	0.10	0.40	1.15	1.20	1.80	5.95	26.00	1.60	1.45	0.75	0.50	0.30	
6	0.05	0.30	0.55	1.10	1.80	6.25	12.00	1.70	1.50	0.70	0.45	0.35	
7	0.05	0.30	0.60	0.95	3.55	5.80	7.60	2.10	1.40	0.60	0.50	0.35	
8	0.05	0.25	1.00	0.85	4.45	5.35	5.80	2.20	1.50	0.60	0.50	0.40	
9	0.0	0.25	2.00	0.65	19.00	4.90	4.30	2.65	1.25	0.60	0.50	0.40	
10	0.0	0.25	2.80	0.65	22.00	4.60	3.40	2.30	1.15	0.60	0.50	0.35	
11	0.20	0.10	2.30	0.65	28.00	4.90	2.80	2.20	1.10	0.60	0.49	0.35	
12	19.00	0.10	1.80	0.60	8.90	3.85	2.80	2.00	1.50	0.55	0.49	0.40	
13	3.10	0.05	1.20	0.55	12.00	2.95	10.00	1.90	1.20	0.60	0.50	0.35	
14	2.65	0.05	1.10	0.40	16.00	2.40	43.00	1.80	1.10	0.55	0.40	0.35	
15	1.35	0.15	0.95	0.40	16.00	2.10	44.00	1.60	1.00	0.55	0.40	0.35	
16	1.20	0.15	0.88	0.55	11.00	1.80	42.00	1.60	0.95	0.55	0.40	0.35	
17	1.15	0.10	0.80	0.80	27.00	1.60	71.00	1.50	0.90	0.55	0.40	0.35	
18	0.95	0.70	2.80	0.85	11.00	3.25	49.00	1.45	0.85	0.55	0.40	0.40	
19	0.85	5.35	1.35	0.70	6.25	5.35	21.00	1.50	0.80	0.50	0.40	0.35	
20	0.75	1.15	1.70	0.60	17.00	3.25	16.00	1.60	0.80	0.50	0.35	0.35	
21	0.60	1.15	0.95	1.00	24.00	3.40	13.00	1.90	0.80	0.50	0.35	0.35	
22	0.60	0.80	0.80	1.20	16.00	3.25	12.00	2.65	0.75	0.50	0.35	0.35	
23	0.80	0.65	0.75	1.80	8.20	2.65	9.50	2.10	0.75	0.50	0.35	0.30	
24	0.65	0.55	0.70	1.25	7.30	2.50	7.90	4.60	0.75	0.50	0.35	0.30	
25	0.80	0.55	0.65	0.95	65.00	8.90	7.75	8.05	0.70	0.50	0.35	0.30	
26	0.65	0.60	0.60	0.80	122.00	25.00	5.80	9.30	0.70	0.50	0.35	0.40	
27	0.55	0.60	2.80	0.80	39.00	21.00	4.75	7.00	0.70	0.60	0.35	0.40	
28	0.55	0.55	1.70	0.75	23.00	11.00	3.70	4.90	0.70	0.50	0.35	0.40	
29	0.55	0.50	1.30	0.65	15.00	7.45	3.25	3.40	0.65	0.50	0.40	0.35	
30	0.40	0.40	1.15	0.65	9.30	6.10	2.95	2.50	0.65	0.50	0.35	0.35	
31		0.35		0.60	7.75		2.50		0.70	0.50			
TOTAL	38.00	17.75	35.73	26.10	559.75	188.35	467.55	83.90	32.85	17.75	11.68	10.85	1490.26 CMSDAY
MEAN	1.27	0.57	1.19	0.84	18.06	6.28	15.08	2.80	1.06	0.57	0.42	0.35	4.08 CMS
MAX	19.00	5.35	2.80	1.80	122.00	25.00	71.00	9.30	2.20	0.75	0.50	0.40	122.00 CMS
MIN	0.0	0.05	0.25	0.40	0.85	1.60	2.50	1.45	0.65	0.50	0.35	0.30	0.0 CMS
RUNOFF	3.283	1.534	3.087	2.255	48.362	16.273	40.396	7.249	2.838	1.534	1.009	0.937	128.758 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1973

WATER YEAR - 1973

Table 3.2-4 (4) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1973 TO MARCH 31, 1974

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.24	0.04	2.30	0.76	2.80	30.00	100.00	5.65	2.10	1.01	0.68	0.56	
2	0.24	0.04	2.00	3.10	3.40	22.00	51.00	5.05	2.10	0.87	0.68	0.64	
3	0.24	0.08	2.00	5.65	2.50	19.00	32.00	4.45	2.00	0.94	0.68	0.60	
4	0.24	0.04	3.40	4.30	1.90	18.00	48.00	4.00	1.90	0.94	0.64	0.64	
5	0.20	0.0	8.00	2.00	2.30	18.00	23.00	3.70	1.90	0.94	0.60	0.68	
6	0.20	0.0	3.10	1.60	2.95	16.00	19.00	3.40	1.80	0.94	0.60	0.56	
7	0.20	0.0	2.00	1.80	11.00	11.00	15.00	3.25	1.70	0.94	0.60	0.52	
8	0.20	0.0	1.70	1.70	10.00	9.00	12.00	3.10	1.60	0.94	0.60	0.52	
9	0.20	0.0	1.36	1.50	5.80	10.00	11.00	3.10	1.60	0.87	0.60	0.48	
10	0.20	0.0	5.20	2.30	5.35	9.20	10.00	3.10	1.50	0.80	0.56	0.48	
11	0.16	1.29	12.00	3.40	43.00	9.40	8.40	3.10	1.50	0.80	0.56	0.48	
12	0.12	0.48	22.00	4.30	39.00	8.20	7.80	3.10	1.50	0.80	0.56	0.48	
13	0.08	0.40	16.00	6.40	19.00	8.20	6.85	3.10	1.36	0.80	0.56	0.48	
14	0.08	0.44	6.85	17.00	9.40	14.00	5.95	3.25	1.36	0.80	0.56	0.52	
15	0.08	0.44	4.45	16.00	6.40	8.60	5.65	3.10	1.29	0.80	0.56	0.56	
16	0.44	0.44	3.25	7.00	5.35	24.00	5.20	3.10	1.15	0.76	0.56	0.56	
17	0.76	0.60	2.30	5.05	3.85	77.00	4.75	2.95	1.15	0.76	0.56	0.52	
18	0.60	0.56	1.80	3.25	2.95	25.00	4.30	2.80	1.15	0.76	1.01	0.48	
19	0.44	0.48	1.60	3.85	3.10	19.00	3.70	2.80	1.15	0.76	0.94	0.48	
20	0.40	0.40	1.43	2.50	11.00	114.00	3.25	2.80	1.22	0.76	0.80	0.48	
21	0.32	0.44	1.29	2.00	32.00	91.00	2.80	2.50	1.15	0.76	1.01	0.60	
22	0.28	1.29	1.22	3.25	27.00	60.00	2.80	3.25	1.08	0.76	0.68	0.60	
23	0.28	1.43	1.08	2.20	13.00	106.00	51.00	3.40	0.94	0.76	0.56	0.56	
24	0.16	0.72	1.08	1.80	94.00	58.00	80.00	3.25	0.94	0.76	0.60	0.52	
25	0.16	1.80	1.01	2.40	45.00	57.00	26.00	3.10	0.94	0.72	0.52	0.56	
26	0.12	2.65	0.94	2.40	23.00	83.00	15.00	2.80	1.01	0.72	0.56	0.56	
27	0.08	1.90	0.80	1.80	16.00	76.00	14.00	2.65	1.15	0.72	0.56	0.56	
28	0.08	2.30	0.72	4.90	102.00	78.00	11.00	2.30	1.01	0.68	0.56	0.56	
29	0.08	14.00	0.60	5.95	100.00	93.00	8.80	2.30	0.94	0.68	0.64	0.64	
30	0.04	10.00	0.64	3.55	48.00	156.00	7.20	2.20	0.94	0.68	0.56	0.56	
31		3.40		3.40	37.00		6.40		0.94	0.68			
TOTAL	6.92	45.66	112.12	127.11	728.05	1327.60	601.85	96.65	42.07	24.91	17.96	17.00	3147.90 CMSDAY
MEAN	0.23	1.47	3.74	4.10	23.49	44.25	19.41	3.22	1.36	0.80	0.64	0.55	8.62 CMS
MAX	0.76	14.00	22.00	17.00	102.00	156.00	100.00	5.65	2.10	1.01	1.01	0.68	156.00 CMS
MIN	0.04	0.0	0.60	0.76	1.90	8.20	2.80	2.20	0.94	0.68	0.52	0.48	0.0 CMS
RUNOFF	0.598	3.945	9.687	10.982	62.903	114.705	52.000	8.351	3.635	2.152	1.552	1.469	271.978 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1974

WATER YEAR - 1974

Table 3.2-4 (5) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1974 TO MARCH 31, 1975

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.10	13.00	4.50	1.40	5.13	11.00	4.00	58.00	1.99	0.55	0.41	0.15	0.41
2	0.10	4.90	3.50	1.50	5.00	16.00	3.30	50.00	1.92	0.55	0.38	0.15	0.38
3	0.26	2.46	5.65	2.50	3.40	22.00	3.70	21.00	1.85	0.55	0.38	0.15	0.38
4	0.82	1.62	5.26	1.60	2.60	20.00	3.40	13.00	1.78	0.60	0.38	0.15	0.38
5	0.62	1.12	3.70	1.30	2.20	20.00	3.00	9.36	1.63	0.65	0.34	0.15	0.34
6	0.56	0.95	3.40	1.40	2.20	57.00	4.50	16.00	1.56	0.70	0.34	0.15	0.34
7	0.56	0.82	2.70	1.80	2.80	81.00	8.24	61.00	1.56	0.70	0.30	0.12	0.30
8	0.43	0.76	2.20	1.50	3.20	80.00	5.65	31.00	1.50	0.81	0.30	0.08	0.30
9	0.30	1.02	2.10	1.20	2.90	37.00	4.60	15.00	1.20	0.86	0.26	0.12	0.26
10	0.43	4.60	2.00	0.95	2.50	31.00	5.39	12.00	1.20	0.86	0.23	0.08	0.23
11	0.56	2.32	1.70	0.95	2.10	34.00	4.30	55.00	1.14	1.02	0.19	0.08	0.19
12	0.43	1.22	1.40	0.90	2.00	20.00	3.50	26.00	1.08	1.56	0.08	0.06	0.06
13	0.26	0.95	1.30	0.85	2.30	14.00	3.50	23.00	1.02	1.70	0.23	0.06	0.06
14	0.26	0.76	1.10	0.80	5.13	22.00	11.00	15.00	0.96	1.56	0.19	0.06	0.06
15	0.20	0.62	10.00	0.70	7.34	50.00	5.91	11.00	0.91	1.38	0.12	0.06	0.12
16	0.23	0.95	35.00	0.75	4.90	20.00	4.30	3.56	0.86	1.32	0.15	0.06	0.06
17	0.56	0.82	10.00	0.70	62.00	20.00	3.70	7.34	0.86	1.02	0.19	0.06	0.06
18	0.76	0.56	7.92	0.75	347.00	17.00	2.90	6.04	0.86	0.86	0.19	0.08	0.08
19	0.69	0.49	4.80	0.70	130.00	12.00	2.70	5.13	0.86	0.76	0.19	0.08	0.08
20	0.33	3.20	3.50	0.65	42.00	10.00	2.80	4.30	0.81	0.76	0.19	0.08	0.19
21	0.20	11.00	3.10	0.60	36.00	8.56	2.30	3.73	0.76	0.81	0.15	0.06	0.06
22	0.17	11.00	2.80	0.60	26.00	6.69	1.90	3.46	0.70	0.70	0.15	0.06	0.06
23	0.14	5.52	2.50	0.60	15.00	5.65	1.60	3.28	0.70	0.65	0.12	0.06	0.06
24	0.10	6.69	2.20	0.70	12.00	5.00	1.30	3.19	0.70	0.55	0.08	0.06	0.06
25	0.14	3.40	1.90	1.90	9.52	5.13	1.10	3.19	0.65	0.60	0.08	0.06	0.06
26	0.10	10.00	1.60	2.80	8.88	8.88	1.50	2.85	0.65	0.55	0.08	0.06	0.06
27	0.10	5.65	1.20	1.60	8.72	5.26	1.30	2.77	0.65	0.55	0.08	0.06	0.06
28	0.07	4.90	1.10	3.90	8.24	5.26	11.00	2.61	0.65	0.50	0.08	0.06	0.06
29	0.07	3.80	3.00	5.13	8.72	4.80	25.00	2.56	0.60	0.45	0.08	0.06	0.06
30	54.00	3.30	1.70	8.88	6.95	4.50	12.00	1.99	0.55	0.45	0.06	0.06	0.06
31		4.90		6.30	12.00		9.20		0.55	0.45			0.0
TOTAL	63.55	113.30	132.83	55.91	788.73	653.73	158.59	472.16	32.71	25.03	5.86	2.58	2504.97 CMSDAY
MEAN	2.12	3.65	4.43	1.80	25.44	21.79	5.12	15.74	1.06	0.81	0.21	0.08	6.86 CMS
MAX	54.00	13.00	35.00	8.88	347.00	81.00	25.00	61.00	1.99	1.70	0.41	0.15	347.00 CMS
MIN	0.07	0.49	1.10	0.60	2.00	4.50	1.10	1.99	0.55	0.45	0.08	0.0	0.0 CMS
RUNOFF	5.491	9.789	11.476	4.831	68.146	56.482	13.702	40.794	2.826	2.163	0.506	0.223	216.430 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1975

WATER YEAR - 1975

Table 3.2-4 (6) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1975 TO MARCH 31, 1976

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.04	0.02	0.04	0.15	2.13	205.00	9.00	3.49	0.79	0.25	0.09	0.07	
2	0.04	0.02	0.05	0.13	2.13	59.00	29.00	2.98	0.74	0.25	0.07	0.05	
3	0.04	0.02	0.64	0.11	1.95	36.00	30.00	2.85	0.64	0.25	0.13	0.07	
4	0.04	0.02	0.25	0.04	1.83	27.00	24.00	2.72	0.64	0.32	0.11	0.05	
5	0.03	0.03	0.15	0.05	1.73	24.00	37.00	2.72	0.55	0.23	0.13	0.05	
6	0.03	0.07	0.09	18.00	1.67	19.00	23.00	2.52	0.49	0.23	0.07	0.05	
7	0.03	1.00	0.05	9.44	1.54	24.00	15.00	2.32	0.52	0.23	0.11	0.05	
8	0.03	0.64	0.09	2.42	1.16	30.00	22.00	2.23	0.49	0.21	0.11	0.05	
9	0.03	0.45	0.09	1.10	1.16	50.00	104.00	1.93	0.42	0.21	0.11	0.09	
10	0.02	0.49	0.05	0.64	0.95	24.00	52.00	1.93	0.42	0.21	0.11	0.11	
11	0.02	0.42	0.04	0.64	0.95	44.00	25.00	2.23	0.55	0.21	0.11	0.11	
12	0.02	0.32	0.02	0.55	0.84	72.00	20.00	2.32	0.59	0.21	0.11	0.11	
13	0.02	0.23	0.04	3.00	0.79	68.00	20.00	2.23	0.59	0.19	0.11	0.09	
14	0.03	0.17	0.13	5.00	0.79	59.00	19.00	2.32	0.55	0.19	0.11	0.07	
15	0.03	0.17	0.15	12.00	5.22	33.00	17.00	2.52	0.55	0.17	0.11	0.05	
16	0.03	0.15	0.11	23.00	6.23	30.00	15.00	2.52	0.39	0.17	0.11	0.07	
17	0.03	0.09	0.15	20.00	3.10	26.00	11.00	2.42	0.32	0.17	0.09	0.07	
18	0.03	0.04	0.15	17.00	2.13	23.00	7.46	2.42	0.23	0.15	0.05	0.05	
19	0.03	0.02	2.72	10.00	1.54	18.00	7.86	2.85	0.19	0.13	0.05	0.05	
20	0.03	0.09	2.42	8.05	14.00	14.00	7.10	2.23	0.21	0.13	0.05	0.03	
21	0.01	0.05	1.60	3.87	41.00	13.00	6.75	1.93	0.21	0.13	0.05	0.01	
22	0.02	0.03	0.79	2.23	44.00	32.00	6.75	1.60	0.21	0.09	0.09	0.0	
23	0.04	0.03	0.64	1.23	52.00	50.00	6.23	1.48	0.32	0.11	0.11	0.0	
24	0.04	0.03	0.55	18.00	18.00	18.00	5.71	1.41	0.32	0.11	0.11	0.0	
25	0.03	0.03	0.42	39.00	20.00	14.00	5.22	1.29	0.25	0.11	0.11	0.0	
26	0.04	0.01	0.35	30.00	81.00	11.00	4.41	1.29	0.23	0.11	0.11	0.02	
27	0.11	0.01	0.25	31.00	63.00	10.00	3.62	1.70	0.25	0.11	0.11	0.02	
28	0.11	0.02	0.25	13.00	43.00	12.00	3.56	0.95	0.23	0.13	0.05	0.03	
29	0.11	0.07	0.21	7.29	113.00	17.00	2.98	0.95	0.25	0.13	0.04	0.03	
30	0.05	0.07	0.17	5.22	159.00	11.00	4.27	0.90	0.25	0.15	0.05	0.03	
31		0.03	3.36		56.00		7.10		0.35			0.02	
TOTAL	1.16	4.84	12.66	285.52	701.82	1073.00	550.84	63.25	12.74	5.44	2.72	1.50	2715.49 CMSDAY
MEAN	0.04	0.16	0.42	9.21	22.64	35.77	17.77	2.11	0.41	0.18	0.09	0.05	7.42 CMS
MAX	0.11	1.00	2.72	39.00	139.00	205.00	104.00	3.49	0.79	0.32	0.13	0.11	205.00 CMS
MIN	0.01	0.01	0.02	0.04	0.79	10.00	2.98	0.90	0.19	0.09	0.04	0.0	0.0 CMS
RUNOFF	0.100	0.418	1.094	24.669	60.637	92.707	47.592	5.465	1.101	0.470	0.235	0.130	234.618 MCN

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1976

WATER YEAR - 1976

Table 3.2-4 (7) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1976 TO MARCH 31, 1977

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.02	0.04	0.21	0.69	32.00	40.00	53.00	6.23	0.35	0.09	0.02	0.0	0.0
2	0.01	0.04	0.21	0.52	8.05	20.00	58.00	5.09	0.32	0.11	0.02	0.0	0.0
3	0.01	0.04	0.07	0.45	4.82	8.05	27.00	4.27	0.25	0.15	0.01	0.0	0.0
4	0.0	0.84	1.48	0.45	4.00	3.74	22.00	4.27	0.23	0.17	0.02	0.0	0.0
5	0.0	0.45	0.59	0.42	3.62	3.62	20.00	4.27	0.23	0.17	0.02	0.0	0.0
6	0.0	0.28	0.52	0.42	3.36	3.36	11.00	4.27	0.23	0.23	0.02	0.0	0.0
7	0.0	0.79	0.79	0.28	3.87	3.10	8.43	4.27	0.21	0.23	0.02	0.0	0.0
8	0.0	0.39	1.35	0.19	4.95	3.23	6.40	4.27	0.21	0.19	0.0	0.0	0.0
9	0.0	0.23	1.10	0.21	3.87	3.23	5.53	4.27	0.19	0.17	0.0	0.0	0.0
10	0.0	0.17	0.79	0.28	3.74	3.23	5.09	4.27	0.13	0.13	0.0	0.0	0.0
11	0.0	0.19	0.95	0.32	2.23	2.52	4.41	4.27	0.11	0.11	0.0	0.0	0.0
12	0.0	0.17	0.95	0.28	1.29	2.62	3.10	2.85	0.13	0.17	0.0	0.0	0.0
13	0.0	0.17	0.42	0.25	1.29	17.00	1.67	1.41	0.13	0.19	0.0	0.0	0.0
14	0.0	0.19	0.42	0.25	1.48	12.00	1.73	1.23	0.13	0.17	0.0	0.0	0.0
15	0.0	0.17	0.42	0.23	6.06	7.86	1.41	1.16	0.13	0.17	0.0	0.0	0.0
16	0.0	0.15	0.96	0.23	14.00	6.93	1.35	0.95	0.13	0.17	0.0	0.0	0.0
17	0.0	0.07	3.36	0.23	13.00	22.00	1.23	0.74	0.13	0.17	0.0	0.0	0.0
18	0.0	0.05	1.29	0.21	8.62	5.88	1.05	0.59	0.13	0.05	0.0	0.0	0.0
19	0.0	0.03	1.10	0.19	7.48	6.93	0.95	0.55	0.13	0.05	0.0	0.0	0.0
20	0.0	0.03	0.95	0.13	4.14	8.43	0.95	0.52	0.13	0.04	0.0	0.0	0.0
21	0.03	0.01	0.95	0.21	2.03	14.00	0.90	0.49	0.17	0.05	0.0	0.0	0.0
22	0.01	0.01	0.84	2.23	1.83	18.00	0.95	0.49	0.17	0.03	0.0	0.0	0.0
23	0.03	0.02	0.79	2.32	2.52	14.00	0.84	0.49	0.15	0.03	0.0	0.0	0.0
24	0.04	0.02	0.79	22.00	3.49	22.00	0.79	0.45	0.15	0.03	0.0	0.0	0.0
25	0.03	0.02	0.42	34.00	4.41	24.00	0.74	0.45	0.13	0.03	0.0	0.0	0.0
26	0.02	0.05	0.07	3.87	3.62	30.00	0.59	0.42	0.09	0.02	0.0	0.0	0.0
27	0.03	0.09	0.09	2.72	4.68	30.00	0.90	0.42	0.07	0.02	0.0	0.0	0.0
28	0.03	0.09	1.00	1.67	5.36	68.00	3.87	0.39	0.11	0.02	0.0	0.0	0.0
29	0.03	0.09	1.29	1.23	5.71	37.00	6.06	0.39	0.11	0.02	0.0	0.0	0.0
30	0.03	0.45	0.52	1.93	39.00	44.00	6.06	0.35	0.11	0.02	0.0	0.0	0.0
31	0.32	0.32	6.75	6.75	68.00	68.00	6.06	0.35	0.11	0.02	0.0	0.0	0.0
TOTAL	0.32	5.51	24.69	85.16	272.52	484.73	262.06	64.09	5.00	3.22	0.13	0.0	1207.43 CMSDAY
MEAN	0.01	0.18	0.82	2.75	8.79	16.16	8.45	2.14	0.16	0.10	0.00	0.0	3.31 CMS
MAX	0.04	0.84	3.36	34.00	68.00	68.00	58.00	6.23	0.35	0.23	0.02	0.0	68.00 CMS
MIN	0.0	0.01	0.07	0.13	1.29	2.52	0.59	0.35	0.07	0.02	0.0	0.0	0.0 CMS
RUNOFF	0.028	0.476	2.133	7.358	23.546	41.881	22.642	5.537	0.432	0.278	0.011	0.0	104.322 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1977

WATER YEAR - 1977

Table 3.2-4 (8) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1977 TO MARCH 31, 1978

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.95	0.0	0.0	2.72	6.58	5.88	0.42	0.01	0.0	0.0	0.0
2	0.0	0.0	0.84	0.0	0.0	3.36	5.53	6.58	0.39	0.01	0.0	0.0	0.0
3	0.0	0.03	0.69	0.0	0.0	2.03	4.68	5.22	0.35	0.01	0.0	0.0	0.0
4	0.0	0.05	1.10	0.0	0.0	1.60	8.81	4.00	0.35	0.01	0.0	0.0	0.0
5	0.01	0.04	0.84	0.0	0.0	1.35	15.00	3.23	0.28	0.01	0.0	0.0	0.0
6	0.01	0.0	0.52	0.0	0.01	42.00	8.62	2.62	0.28	0.01	0.0	0.0	0.0
7	0.0	0.0	0.23	0.0	0.09	134.00	6.75	2.03	0.25	0.01	0.01	0.0	0.0
8	0.0	0.0	0.15	0.0	0.11	56.00	11.00	1.60	0.23	0.01	0.20	0.0	0.0
9	0.05	0.0	0.13	0.0	0.04	82.00	39.00	1.41	0.25	0.01	0.01	0.0	0.0
10	0.03	0.0	0.09	0.0	0.03	95.00	31.00	1.29	0.28	0.02	0.0	0.0	0.0
11	0.03	1.35	0.09	0.0	0.01	78.00	21.00	1.23	0.28	0.01	0.0	0.0	0.0
12	0.05	1.48	0.03	0.0	0.32	28.00	17.00	1.16	0.25	0.01	0.0	0.0	0.0
13	0.04	1.10	0.02	0.0	0.15	15.00	30.00	1.05	0.25	0.01	0.0	0.0	0.0
14	0.04	0.74	0.0	0.0	0.07	22.00	21.00	0.84	0.21	0.01	0.0	0.0	0.0
15	0.05	0.45	0.01	0.02	0.02	96.00	14.00	0.69	0.15	0.01	0.0	0.0	0.0
16	0.05	0.35	0.0	0.01	0.0	49.00	9.44	0.64	0.09	0.01	0.0	0.0	0.0
17	0.05	0.32	0.0	0.0	0.0	44.00	8.24	0.59	0.09	0.01	0.0	0.0	0.0
18	0.04	0.28	0.0	0.0	1.35	24.00	6.58	0.59	0.09	0.01	0.0	0.0	0.0
19	0.04	0.15	0.0	0.0	1.73	18.00	6.06	0.52	0.09	0.01	0.0	0.0	0.0
20	0.03	0.13	0.0	0.0	0.64	27.00	5.36	0.52	0.07	0.0	0.0	0.0	0.0
21	0.0	0.09	0.0	0.0	2.98	22.00	4.14	0.49	0.03	0.0	0.0	0.0	0.0
22	0.0	0.07	0.0	0.0	1.83	55.00	2.23	0.45	0.03	0.0	0.0	0.0	0.0
23	0.0	0.13	0.0	0.0	1.41	50.00	1.67	0.42	0.03	0.0	0.0	0.0	0.0
24	0.0	0.09	0.0	0.0	7.29	24.00	1.67	0.42	0.04	0.0	0.0	0.0	0.0
25	0.0	0.09	0.0	0.0	8.05	15.00	1.83	0.42	0.03	0.0	0.0	0.0	0.0
26	0.0	0.07	0.0	0.0	6.06	11.00	2.13	0.45	0.02	0.0	0.0	0.0	0.0
27	0.0	0.05	0.0	0.0	3.23	9.44	2.23	0.42	0.01	0.0	0.0	0.0	0.0
28	0.0	0.05	0.0	0.0	2.85	8.81	2.98	0.45	0.01	0.0	0.0	0.0	0.0
29	0.0	0.07	0.0	0.0	1.23	7.86	4.82	0.45	0.03	0.0	0.0	0.0	0.0
30	0.0	0.09	0.0	0.0	0.79	10.00	8.62	0.42	0.03	0.0	0.0	0.0	0.0
31	0.11	0.11	0.0	0.0	1.16	6.23	6.23	0.42	0.03	0.0	0.0	0.0	0.0
TOTAL	0.52	7.38	5.69	0.03	41.45	1034.17	314.20	46.08	4.94	0.20	0.22	0.0	1454.88
MEAN	0.02	0.24	0.19	0.00	1.34	34.47	10.14	1.54	0.16	0.01	0.01	0.0	3.99
MAX	0.05	1.48	1.10	0.02	8.05	134.00	39.00	6.58	0.42	0.02	0.20	0.0	134.00
MIN	0.0	0.0	0.0	0.0	0.0	1.35	1.67	0.42	0.01	0.0	0.0	0.0	0.0
RUNOFF	0.045	0.638	0.492	0.003	3.581	89.352	27.147	3.981	0.427	0.017	0.019	0.0	125.701

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1978

WATER YEAR - 1978

Table 5.2-4 (9) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1978 TO MARCH 31, 1979

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.95	0.45	13.45	8.62	18.86	4.14	1.54	0.79	0.21	0.19	
2	0.0	0.0	0.74	2.22	10.76	7.86	23.45	3.36	1.48	0.79	0.21	0.15	
3	0.0	0.0	0.69	256.80	15.00	7.10	21.43	3.23	1.35	0.74	0.21	0.17	
4	0.0	0.0	0.90	70.88	11.45	6.58	110.00	2.98	1.29	0.69	0.21	0.15	
5	0.0	0.0	1.48	26.50	34.70	7.29	47.91	2.85	1.23	0.64	0.21	0.15	
6	0.0	0.0	1.35	23.74	14.22	5.53	55.38	2.42	1.16	0.45	0.23	0.13	
7	0.0	0.0	0.90	18.58	9.88	4.82	31.61	2.32	1.10	0.42	0.23	0.13	
8	0.0	0.0	0.79	18.58	8.43	9.22	23.45	2.32	1.10	0.42	0.25	0.13	
9	0.0	0.0	0.64	26.18	9.00	58.30	24.03	2.32	0.95	0.45	0.32	0.11	
10	0.0	0.0	0.56	18.86	8.05	37.42	24.03	2.03	0.90	0.42	0.32	0.09	
11	0.0	0.0	0.49	31.61	7.10	25.54	70.88	1.93	0.90	0.56	0.32	0.09	
12	0.0	0.0	0.49	18.30	8.81	49.62	96.28	1.93	0.90	0.42	0.28	0.09	
13	0.0	0.11	0.45	12.45	186.60	29.66	39.72	1.93	0.90	0.39	0.32	0.11	
14	0.0	0.02	0.42	8.81	289.00	35.15	24.32	2.22	2.22	0.52	0.25	0.11	
15	0.0	0.0	0.42	22.29	117.20	23.45	19.43	1.83	0.79	0.32	0.23	0.11	
16	0.0	0.13	0.42	12.70	54.80	20.86	14.74	1.73	0.74	0.32	0.23	0.09	
17	0.0	171.60	1.10	12.45	88.26	19.72	11.95	1.73	0.74	0.32	0.23	0.09	
18	0.0	81.90	4.54	8.62	50.19	16.04	10.10	1.83	0.69	0.35	0.23	0.07	
19	0.0	22.58	2.32	6.06	28.49	58.30	8.81	1.93	0.69	0.35	0.21	0.09	
20	0.0	11.45	1.83	4.68	20.86	28.49	6.40	2.13	0.59	0.42	0.19	0.07	
21	0.0	5.22	1.60	8.43	86.13	19.72	5.71	2.03	0.59	0.42	0.19	0.09	
22	0.0	2.85	1.35	6.06	54.22	50.76	5.88	1.83	0.64	0.39	0.19	0.05	
23	0.0	2.03	1.05	5.36	28.49	121.30	5.22	1.83	0.69	0.32	0.17	0.05	
24	0.0	1.73	0.45	8.62	28.88	93.32	4.95	1.73	0.56	0.32	0.19	0.07	
25	0.0	1.60	0.39	11.70	24.61	56.54	4.95	1.83	0.79	0.32	0.19	0.07	
26	0.0	1.93	0.32	8.05	26.50	84.00	5.53	1.73	1.05	0.32	0.17	0.05	
27	0.07	1.60	0.32	5.36	19.15	58.30	4.95	1.67	1.00	0.28	0.15	0.05	
28	0.03	1.93	0.32	5.36	15.78	33.35	4.95	1.60	0.90	0.25	0.15	0.05	
29	0.0	1.67	0.35	4.95	14.22	26.82	4.82	1.60	0.90	0.23	0.15	0.04	
30	0.0	1.48	0.56	15.26	12.95	20.57	4.41	1.60	0.90	0.23	0.15	0.04	
31		1.05		31.22	10.32		4.00		0.84	0.21		0.03	

TOTAL	0.10	310.88	28.19	711.13	1307.50	1024.25	738.15	64.32	30.12	13.07	6.29	2.91	4256.88 CMSDAY
MEAN	0.00	10.03	0.94	22.94	42.18	34.14	23.81	2.14	0.97	0.42	0.22	0.09	11.61 CMS
MAX	0.07	171.60	4.54	256.80	289.00	121.30	110.00	4.14	2.22	0.79	0.32	0.19	289.00 CMS
MIN	0.0	0.0	0.32	0.45	7.10	4.82	4.00	1.60	0.56	0.21	0.15	0.03	0.0 CMS
RUNOFF	0.009	26.860	2.436	61.441	112.968	88.495	63.776	5.557	2.602	1.129	0.543	0.251	366.066 MCM

STATION - BAN SOP PO, MAE THA, LAMPANG, W.15
 STREAM - MAE CHANG
 RIVER - MAE CHANG
 RIVER SYSTEM - WANG

ROYAL IRRIGATION DEPARTMENT
 THAILAND
 HYDROLOGY DIVISION
 RATING CURVE HC 0457Y/1979

WATER YEAR - 1979

Table 3.2-4 (10) 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	0.0	0.0	0.0	0.0
2	0.03	0.59	1.29	2.22	1.67	4.41	3.10	0.42	0.13	0.0	0.0	0.0	0.0
3	0.03	0.49	0.90	1.60	1.48	3.87	2.13	0.45	0.13	0.0	0.0	0.0	0.0
4	0.02	0.45	2.03	1.23	1.23	2.98	1.60	0.56	0.11	0.0	0.0	0.0	0.0
5	0.02	0.42	3.10	1.29	1.05	6.75	2.52	0.42	0.09	0.0	0.0	0.0	0.0
6	0.02	0.28	6.60	1.10	0.84	20.57	2.62	0.25	0.07	0.0	0.0	0.0	0.0
7	0.02	0.19	19.43	1.00	1.05	13.70	2.13	0.21	0.07	0.0	0.0	0.0	0.0
8	0.02	2.05	6.40	1.00	3.49	7.29	1.93	0.15	0.11	0.0	0.0	0.0	0.0
9	0.02	14.22	3.49	0.95	5.71	5.36	1.67	0.39	0.09	0.0	0.0	0.0	0.0
10	0.01	3.49	2.98	1.16	4.41	4.27	1.54	0.42	0.09	0.0	0.0	0.0	0.0
11	0.01	2.03	4.14	1.10	6.06	2.98	1.23	0.35	0.11	0.0	0.0	0.0	0.0
12	0.01	1.41	2.52	1.10	4.95	3.23	0.95	0.39	0.13	0.0	0.0	0.0	0.0
13	0.0	1.05	9.00	1.00	5.88	9.66	0.84	0.25	0.17	0.0	0.0	0.0	0.0
14	0.0	0.84	18.01	0.95	4.54	11.95	0.69	0.21	0.23	0.0	0.0	0.0	0.0
15	0.0	0.64	24.32	0.95	3.62	9.88	0.79	0.19	0.23	0.0	0.0	0.0	0.0
16	0.0	0.56	20.86	0.95	2.85	5.22	0.79	0.23	0.21	0.0	0.0	0.0	0.0
17	0.0	0.49	13.20	0.79	2.05	3.49	0.69	0.19	0.17	0.0	0.0	0.0	0.0
18	0.0	0.42	11.95	0.90	1.60	8.24	0.64	0.17	0.17	0.0	0.0	0.0	0.0
19	0.0	0.32	10.98	0.95	1.41	7.48	0.52	0.15	0.11	0.0	0.0	0.0	0.0
20	0.0	0.56	13.70	0.79	1.35	4.14	0.49	0.11	0.05	0.0	0.0	0.0	0.0
21	0.0	1.35	10.76	0.74	1.48	3.36	0.45	0.11	0.03	0.0	0.0	0.0	0.0
22	0.0	2.98	9.44	0.64	1.41	5.71	0.49	0.13	0.0	0.0	0.0	0.0	0.0
23	0.0	1.67	7.86	0.56	1.41	3.87	0.52	0.11	0.0	0.0	0.0	0.0	0.0
24	0.0	2.52	6.93	0.64	1.23	2.42	0.45	0.17	0.0	0.0	0.0	0.0	0.0
25	0.0	9.00	6.23	0.79	1.05	2.13	0.35	0.15	0.0	0.0	0.0	0.0	0.0
26	0.0	11.70	5.71	0.79	1.05	1.93	0.32	0.15	0.0	0.0	0.0	0.0	0.0
27	0.0	6.58	5.09	0.74	1.05	1.73	0.28	0.11	0.0	0.0	0.0	0.0	0.0
28	0.02	2.98	4.00	1.23	4.41	1.83	0.35	0.11	0.0	0.0	0.0	0.0	0.0
29	0.03	2.05	4.00	1.93	7.29	1.93	0.42	0.07	0.0	0.0	0.0	0.0	0.0
30	0.69	1.35	5.36	1.73	5.53	2.32	0.35	0.09	0.0	0.0	0.0	0.0	0.0
31	0.74	0.74	4.95	2.13	4.95	0.42	0.42	0.09	0.0	0.0	0.0	0.0	0.0
TOTAL	0.98	74.17	240.70	35.67	88.11	167.52	34.25	7.03	2.61	0.0	0.0	0.0	651.04 CMSDAY
MEAN	0.03	2.39	8.02	1.15	2.84	5.58	1.10	0.23	0.08	0.0	0.0	0.0	1.78 CMS
MAX	0.69	14.22	24.32	2.72	7.29	20.57	3.10	0.56	0.23	0.0	0.0	0.0	24.32 CMS
MIN	0.0	0.19	0.90	0.56	0.84	1.73	0.28	0.07	0.0	0.0	0.0	0.0	0.0 CMS
RUNOFF	0.085	6.408	20.796	3.082	7.613	14.474	2.959	0.607	0.226	0.0	0.0	0.0	56.250 MCM

WATER YEAR - 1980

Table 3.2-4 (11) DISCHARGE, IN CUBIC METER PER SECOND, WATER YEAR APRIL 1, 1980 TO MARCH 31, 1981

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	ANNUAL
1	0.0	0.0	0.86	4.16	18.48	8.07	3.08	1.38	0.22	0.0	0.0	0.0	0.0
2	0.0	0.0	0.74	3.20	15.05	6.85	2.44	1.17	0.26	0.03	0.0	0.0	0.0
3	0.0	0.0	23.50	2.60	8.25	5.45	2.04	1.10	0.22	0.03	0.0	0.0	0.0
4	0.0	0.0	24.80	2.28	4.64	5.90	1.88	1.04	0.18	0.0	0.0	0.0	0.0
5	0.0	0.0	10.89	1.88	3.08	5.90	1.73	0.92	0.10	0.0	0.0	0.0	0.0
6	0.0	0.0	4.16	1.59	2.36	5.00	1.59	0.86	0.09	0.0	0.0	0.0	0.0
7	0.0	0.0	2.52	1.45	1.88	64.96	1.59	0.74	0.08	0.0	0.0	0.0	0.0
8	0.0	0.0	1.96	1.31	1.59	71.00	2.04	0.74	0.07	0.0	0.0	0.0	0.0
9	0.0	0.0	1.52	1.17	1.38	24.15	2.04	1.17	0.06	0.0	0.0	0.0	0.0
10	0.0	0.0	1.24	1.04	1.31	14.80	1.80	1.10	0.05	0.01	0.0	0.0	0.0
11	0.0	0.0	0.98	0.92	1.24	11.54	1.73	1.31	0.05	0.0	0.0	0.0	0.0
12	0.0	0.0	5.15	0.74	1.31	8.07	2.12	1.17	0.05	0.0	0.0	0.0	0.0
13	0.0	0.0	8.85	0.56	1.04	5.75	4.28	1.17	0.05	0.0	0.0	0.0	0.0
14	0.0	0.0	7.55	0.50	0.92	4.28	3.20	1.10	0.06	0.0	0.0	0.0	0.0
15	0.0	0.0	3.32	0.46	0.74	3.32	2.12	1.10	0.04	0.0	0.0	0.0	0.0
16	0.0	0.0	2.20	0.42	0.62	6.67	1.66	0.86	0.03	0.0	0.0	0.0	0.0
17	0.0	0.0	5.60	0.38	0.68	13.60	2.96	0.80	0.03	0.0	0.0	0.0	0.0
18	0.0	0.0	13.60	0.34	0.62	17.05	2.72	0.80	0.04	0.0	0.0	0.0	0.0
19	0.0	0.0	11.32	0.26	0.86	11.32	2.52	0.80	0.03	0.0	0.0	0.0	0.0
20	0.0	0.0	29.20	0.38	0.56	7.90	3.08	0.74	0.02	0.0	0.0	0.0	0.0
21	0.0	0.0	44.30	0.42	0.46	5.30	4.28	0.68	0.01	0.0	0.0	0.0	0.0
22	0.0	0.0	22.85	0.80	0.30	5.30	3.92	0.62	0.02	0.0	0.0	0.0	0.0
23	0.0	0.0	10.89	0.50	0.30	5.45	3.80	0.62	0.0	0.0	0.0	0.0	0.0
24	0.0	42.95	7.02	0.46	0.56	4.52	2.84	0.56	0.0	0.0	0.0	0.0	0.0
25	0.0	16.30	5.45	0.46	0.56	3.68	2.28	0.50	0.0	0.0	0.0	0.0	0.0
26	0.0	4.40	4.88	0.80	0.62	3.08	5.30	0.50	0.0	0.0	0.0	0.0	0.0
27	0.0	3.56	29.90	5.30	1.10	2.52	3.20	0.42	0.0	0.0	0.0	0.0	0.0
28	0.0	3.56	21.55	5.15	0.86	2.60	2.28	0.38	0.0	0.0	0.0	0.0	0.0
29	0.0	2.28	9.05	4.76	0.68	3.44	1.73	0.34	0.0	0.0	0.0	0.0	0.0
30	0.0	1.66	5.30	5.60	0.62	2.72	1.52	0.38	0.0	0.0	0.0	0.0	0.0
31		1.24		4.16	1.59		1.45		0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	75.95	321.15	54.05	74.26	340.19	79.22	25.07	1.76	0.07	0.0	0.0	971.72 CMSDAY
MEAN	0.0	2.45	10.70	1.74	2.40	11.34	2.56	0.84	0.06	0.00	0.0	0.0	2.66 CMS
MAX	0.0	42.95	44.30	5.60	18.48	71.00	5.30	1.38	0.26	0.03	0.0	0.0	71.00 CMS
MIN	0.0	0.0	0.74	0.26	0.30	2.52	1.45	0.34	0.0	0.0	0.0	0.0	0.0 CMS
RUNOFF	0.0	6.562	27.747	4.670	6.416	29.392	6.845	2.166	0.152	0.006	0.0	0.0	83.956 MCM

FIG: 3.2-1 APPLIED TANK MODEL AT MAE CHANG DAM SITE C

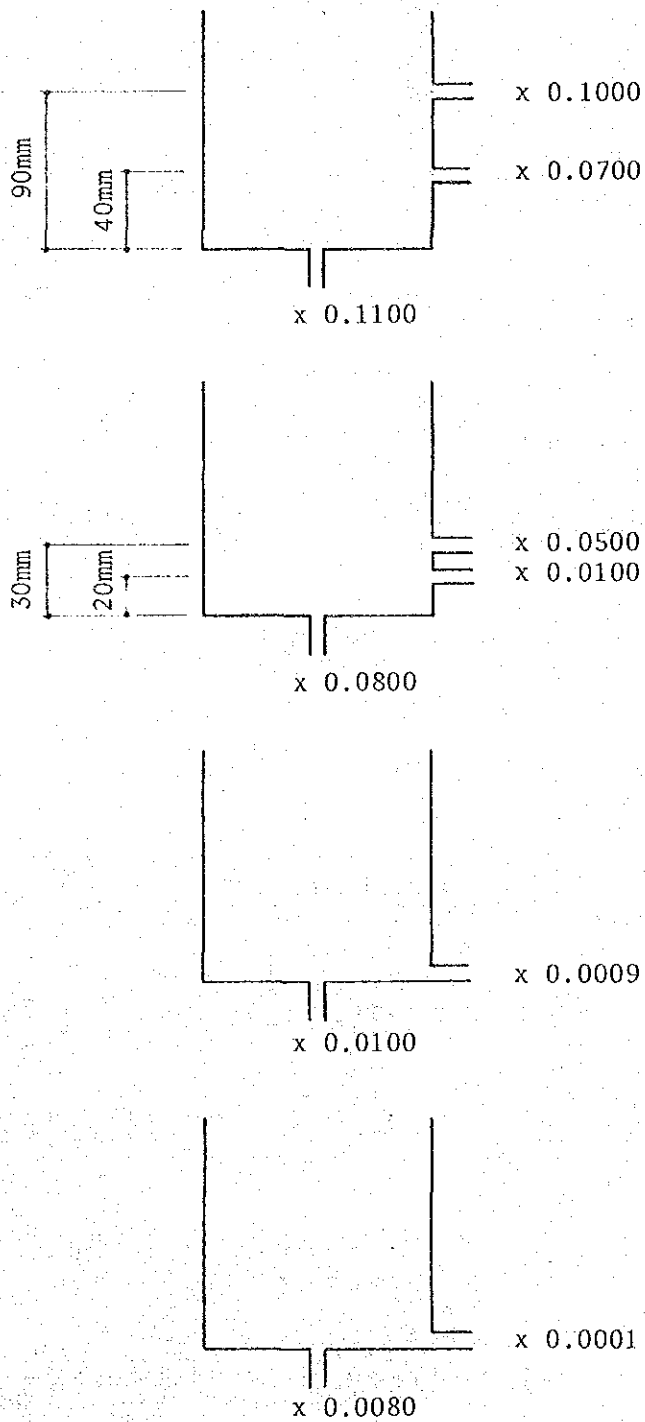


Table 3.2-5 Verification of Run-off Coefficient

Year	Wet Season (May -- Oct.)						Dry Season (Nov. -- Apr.)						Annual (Apr. -- Mar.)					
	Observed			Tank Model			Observed			Tank Model			Observed			Tank Model		
	Rainfall mm	Run-off MCM	Ratio %	Run-off MCM	Ratio %	Rainfall mm	Run-off MCM	Ratio %	Run-off MCM	Ratio %	Rainfall mm	Run-off MCM	Ratio %	Run-off MCM	Ratio %	Rainfall mm	Run-off MCM	Ratio %
1970	1072.8	292.0	24.3	256.7	21.4	143.0	14.9	9.3	10.3	6.4	1215.8	306.9	22.5	267.0	19.6			
1971	1036.4	250.1	21.6	249.9	21.5	86.5	10.4	10.7	10.1	10.4	1122.9	260.5	20.7	250.0	20.7			
1972	732.0	111.4	13.6	95.9	11.7	293.8	16.7	5.1	16.6	5.0	1025.8	178.1	11.2	112.5	9.8			
1973	1217.4	254.2	18.6	330.4	24.2	104.3	17.9	15.3	12.8	11.0	1321.7	272.1	18.4	343.2	23.2			
1974	776.5	164.5	20.1	139.8	17.1	351.2	52.5	14.2	39.6	10.7	1127.7	217.0	18.2	179.4	15.1			
1975	1281.8	226.2	16.7	402.6	29.8	40.8	6.5	15.1	14.2	33.0	1322.6	232.7	16.7	416.8	29.9			
1976	833.3	98.0	11.2	126.6	14.4	107.4	6.2	5.5	4.7	4.1	940.7	104.2	10.5	131.3	13.2			
1977	964.3	121.2	11.9	198.5	19.5	182.2	4.4	2.3	12.6	6.6	1146.5	125.6	10.4	211.1	17.5			
1978	771.1	356.0	43.8	124.0	15.2	116.5	10.1	8.2	17.8	14.5	887.6	336.1	39.1	141.8	15.1			
1979	746.9	55.4	7.0	118.7	15.1	63.2	0.9	1.4	1.0	1.5	810.1	56.3	6.6	119.7	14.0			
1980	897.3	81.6	8.6	150.0	15.9	83.3	2.4	2.7	7.9	9.0	980.6	84.0	8.1	157.9	15.3			
1981	967.3	277.8	27.2			166.6	12.4	7.1			1133.9	290.0	24.3					
Average		190.7	18.7	199.4	18.7		12.9	8.1	13.4	10.2		203.6	17.2	212.8	17.6			

Table 3.2-7 Design Flood Discharge (Dam Site A) (1)
(Unit : m³/s)

Time	Hydrograph Dam Site A	EGAT Spill Discharge	Total Hydro. A	Remark
0	0	0	0	
2.5	31.1	0	31.1	
5.0	247.3	0	247.3	
7.5	709.2	0.4	709.6	
10.0	1313.9	12.1	1326.0	
12.5	1591.4	68.4	1659.8	Peak Dis.
15.0	1499.1	131.6	1630.7	
17.5	1188.0	167.9	1355.9	
20.0	884.0	181.3	1065.3	
22.5	612.7	180.0	792.7	
25.0	431.9	171.6	603.5	
27.5	315.7	159.2	474.9	
30.0	237.4	145.7	383.1	
32.5	181.9	132.5	314.4	
35.0	141.0	121.8	262.8	
37.5	110.1	111.8	221.9	
40.0	86.1	102.5	188.6	
42.5	67.4	94.0	161.4	
45.0	52.8	86.2	139.0	
47.5	41.2	79.1	120.3	
50.0	32.1	72.5	104.6	
52.5	24.9	66.5	91.4	
55.0	19.3	61.0	80.3	
57.5	15.0	56.0	71.0	
60.0	11.7	51.4	63.1	
62.5	9.2	47.1	56.3	
65.0	7.3	43.1	50.4	
67.5				
70.0				
72.5				
75.0				
77.5				

Table 3.2-7 Design Flood Discharge (Dam Site B) (2)

Time	(Unit : m ³ /s)			Remark
	Hydrograph A	Additional Hydro. B	Total Hydro. B	
0	0	0	0	
2.0	0	182.2	182.2	
4.5	31.1	1033.9	1065.0	
7.0	247.3	846.4	1093.7	
9.5	709.6	400.4	1110.0	
12.0	1326.0	200.9	1526.9	
14.5	1659.8	116.3	1776.1	Peak Dis.
17.0	1630.7	69.6	1700.3	
19.5	1355.9	42.3	1398.2	
22.0	1065.3	25.0	1090.3	
24.5	792.7	15.0	807.7	
27.0	603.5	9.0	612.5	
29.5	474.9	5.4	480.3	
32.0	383.1	3.4	386.5	
34.5	314.4	2.1	316.5	
37.0	262.8	1.5	264.3	
39.5	221.9	0.6	222.5	
42.0	188.6	0.1	188.7	
44.5	161.4	0	161.4	
47.0	139.0	0	139.0	
49.5	120.3	0	120.3	
52.0	104.6	0	104.6	
54.5	91.4	0	91.4	
57.0	80.3	0	80.3	
59.5	71.0	0	71.0	
62.0	63.1	0	63.1	
64.5	56.3	0	56.3	
67.0	50.4	0	50.4	
69.5				
72.0				
74.5				

Table 3.2-7 Design Flood Discharge (Dam site C) (3)

Time	(Unit : m ³ /s)			Remark
	Hydrograph B	Additional Hydro. C	Total Hydro. C	
0	0	0	0	
1.0	0	24.2	24.2	
3.0	182.2	313.4	495.6	
5.5	1065.0	520.7	1585.7	
8.0	1093.7	263.3	1357.0	
10.5	1110.0	108.8	1218.8	
13.0	1526.9	52.6	1579.5	
15.5	1776.1	27.1	1803.2	Peak Dis.
18.0	1700.3	13.4	1713.7	
20.5	1398.2	6.7	1404.9	
23.0	1090.3	3.3	1093.6	
25.5	807.7	1.8	809.5	
28.0	612.5	1.2	613.7	
30.5	480.3	0.3	480.6	
33.0	386.5	0	386.5	
35.5	316.5	0	316.5	
38.0	264.3	0	264.3	
40.5	222.5	0	222.5	
43.0	188.7	0	188.7	
45.5	161.4	0	161.4	
48.0	139.0	0	139.0	
50.5	120.3	0	120.3	
53.0	104.6	0	104.6	
55.5	91.4	0	91.4	
58.0	80.3	0	80.3	
60.5	71.0	0	71.0	
63.0	63.1	0	63.1	
65.5	56.3	0	56.3	
68.0	50.4	0	50.4	
70.5	/	/	/	
73.0	/	/	/	

Table 3.2-7 Design Flood Discharge (Dam Site D) (4)

(Unit : m³/s)

Time	Hydrograph	Additional	Total	Remark
	C	Hydro. D	Hydro. D	
0	0	0	0	
1.0	0	19.5	19.5	
2.0	24.2	81.3	105.5	
4.0	495.6	269.3	764.9	
6.5	1585.7	193.5	1779.2	
9.0	1357.0	70.1	1427.1	
11.5	1218.8	28.5	1247.3	
14.0	1579.5	12.1	1591.6	
16.5	1803.2	5.4	1808.6	Peak Dis.
19.0	1713.7	2.5	1716.2	
21.5	1404.9	1.1	1406.0	
24.0	1093.6	0.2	1093.8	
26.5	809.5	0	809.5	
29.0	613.7	0	613.7	
31.5	480.6	0	480.6	
34.0	386.5	0	386.5	
36.5	316.5	0	316.5	
39.0	264.3	0	264.3	
41.5	222.5	0	222.5	
44.0	188.7	0	188.7	
46.5	161.4	0	161.4	
49.0	139.0	0	139.0	
51.5	120.3	0	120.3	
54.0	104.6	0	104.6	
56.5	91.4	0	91.4	
59.0	80.3	0	80.3	
61.5	71.0	0	71.0	
64.0	63.1	0	63.1	
66.5	56.3	0	56.3	
69.0	50.4	0	50.4	
71.5				

FIG. 3.2-2 SUSPENDED SEDIMENT RATING CURVE

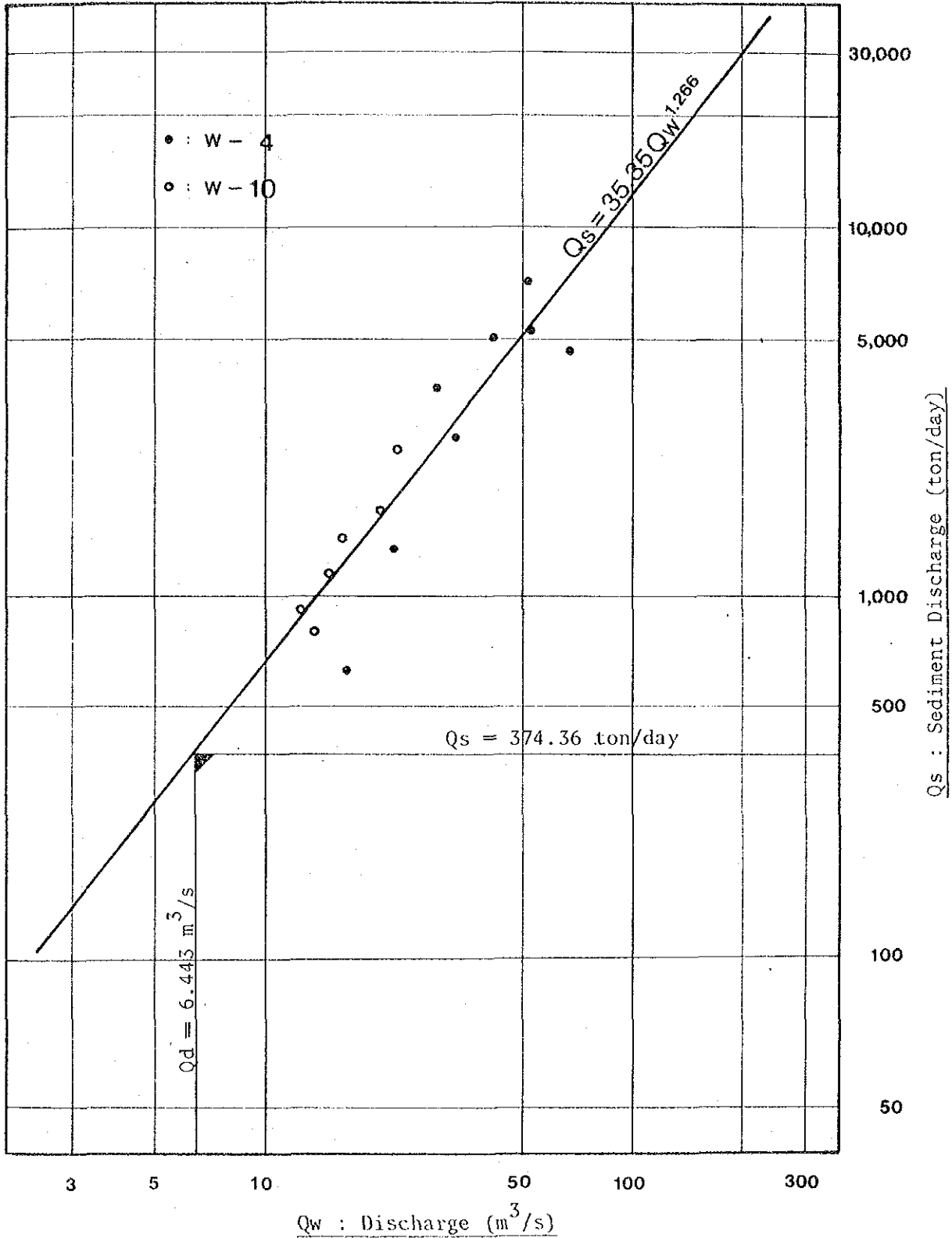


FIG. 3.2 - 3 Geological Map of The Project Area
(S = 1:250,000)

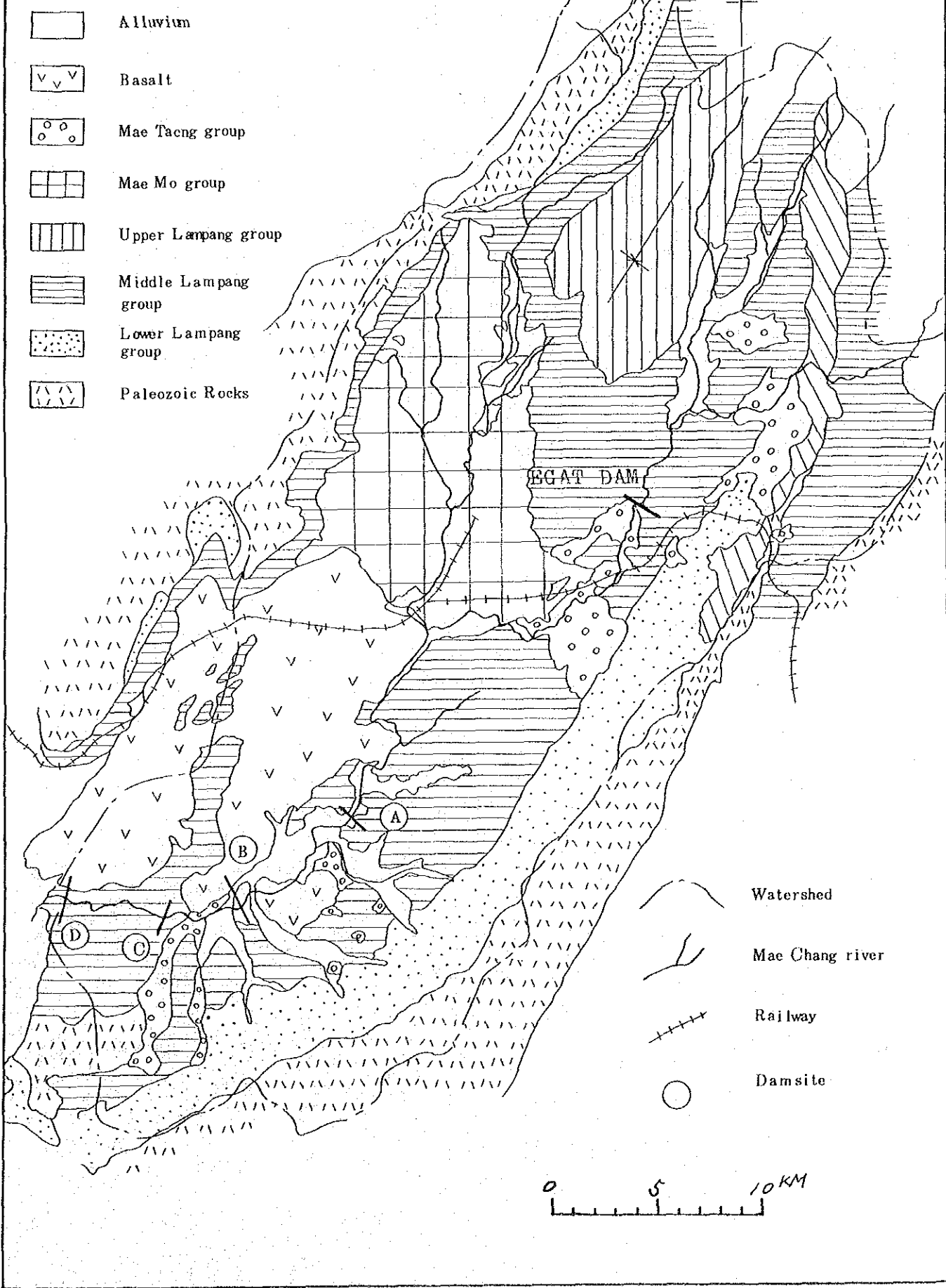
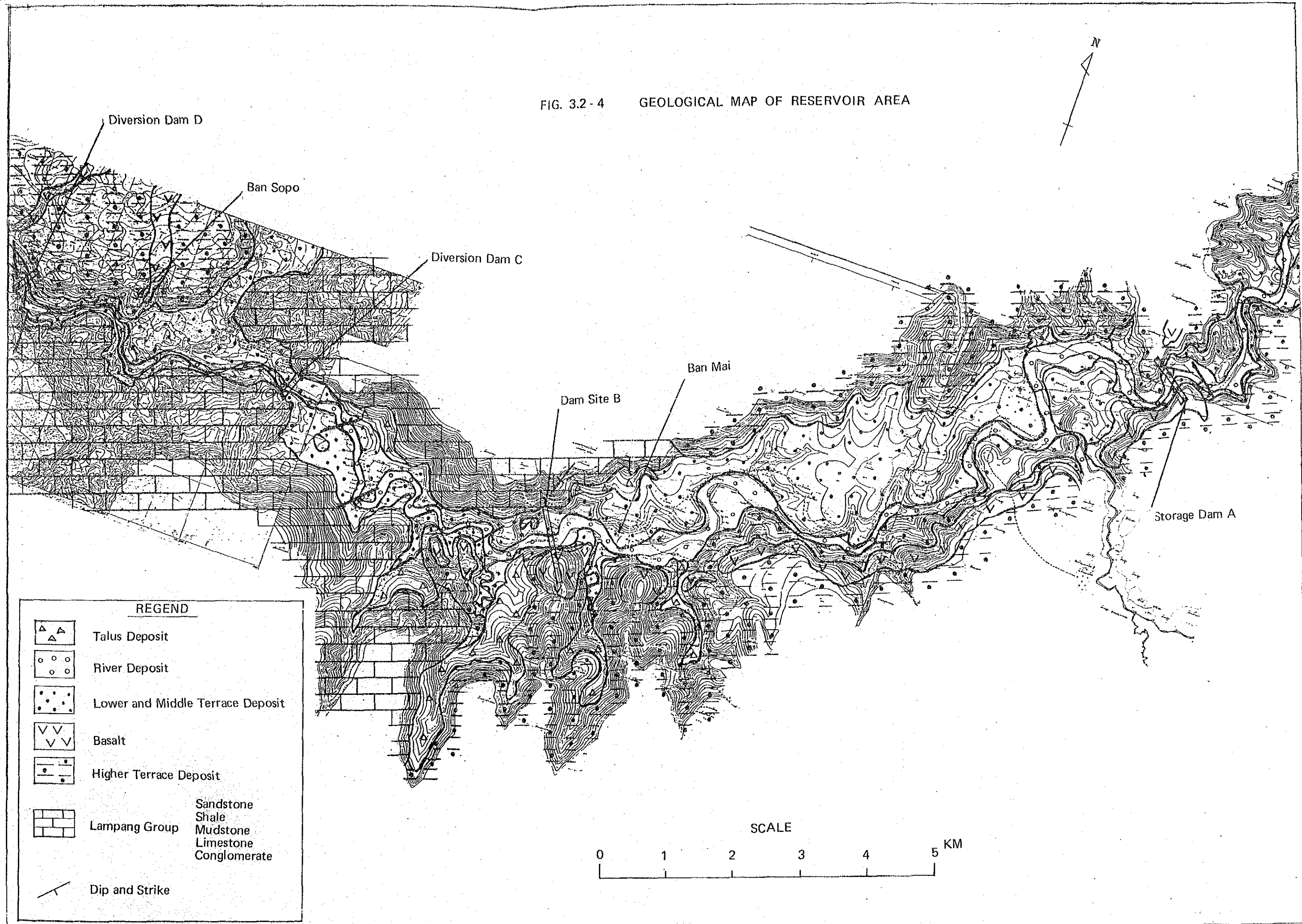









FIG. 3.2-4 GEOLOGICAL MAP OF RESERVOIR AREA



REGEND

-  Talus Deposit
-  River Deposit
-  Lower and Middle Terrace Deposit
-  Basalt
-  Higher Terrace Deposit
-  Lampang Group
 - Sandstone
 - Shale
 - Mudstone
 - Limestone
 - Conglomerate
-  Dip and Strike

SCALE

