

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1959/60	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.34	0.30	0.49	2.23	2.35	4.08	4.05	2.53	1.43	1.04	0.85	0.61		
2	0.34	0.30	0.49	2.23	2.47	3.90	3.96	2.50	1.40	1.04	0.85	0.61		
3	0.34	0.34	0.49	2.23	2.53	3.75	3.90	2.41	1.37	1.04	0.82	0.61		
4	0.34	0.34	0.52	2.23	2.53	3.72	3.81	2.35	1.34	1.04	0.82	0.58		
5	0.34	0.43	0.52	2.16	2.35	3.75	3.78	2.29	1.34	1.04	0.82	0.58		
6	0.34	0.43	0.55	2.23	2.19	3.69	3.72	2.23	1.34	1.04	0.79	0.58		
7	0.34	0.43	0.55	2.32	2.26	3.63	3.69	2.16	1.31	1.01	0.79	0.58		
8	0.34	0.40	0.61	2.16	2.32	3.60	3.66	2.13	1.31	1.01	0.79	0.55		
9	0.34	0.37	0.64	2.07	2.26	3.66	3.66	2.07	1.28	1.01	0.79	0.55		
10	0.34	0.34	0.76	1.98	2.38	3.81	3.63	2.04	1.28	0.98	0.76	0.55		
11	0.34	0.34	0.85	1.80	2.74	3.87	3.57	1.98	1.25	0.98	0.76	0.55		
12	0.34	0.30	0.88	1.71	2.96	3.87	3.51	1.95	1.25	0.98	0.76	0.55		
13	0.30	0.30	0.85	1.74	3.02	3.99	3.44	1.92	1.25	0.98	0.73	0.52		
14	0.30	0.30	0.91	1.58	3.11	4.39	3.41	1.89	1.25	0.98	0.73	0.55		
15	0.30	0.30	0.94	1.46	3.14	4.72	3.38	1.83	1.22	0.98	0.73	0.55		
16	0.30	0.30	1.01	1.40	3.26	5.12	3.35	1.83	1.22	0.94	0.73	0.52		
17	0.30	0.27	1.04	1.31	3.44	5.58	3.32	1.77	1.19	0.94	0.73	0.52		
18	0.30	0.27	1.25	1.28	3.75	5.73	3.26	1.74	1.19	0.94	0.73	0.52		
19	0.30	0.27	1.19	1.22	3.87	5.67	3.23	1.71	1.19	0.94	0.70	0.52		
20	0.30	0.34	1.19	1.16	4.27	5.55	3.17	1.68	1.16	0.91	0.70	0.49		
21	0.30	0.37	1.22	1.19	5.12	5.39	3.14	1.65	1.16	0.91	0.70	0.49		
22	0.30	0.46	1.25	1.19	5.58	5.24	3.08	1.62	1.13	0.91	0.67	0.49		
23	0.30	0.52	1.16	1.22	5.58	5.43	3.02	1.58	1.13	0.88	0.67	0.49		
24	0.30	0.55	1.34	1.25	5.36	5.30	2.96	1.55	1.10	0.88	0.67	0.46		
25	0.30	0.58	1.68	1.49	4.97	5.27	2.87	1.55	1.10	0.88	0.67	0.46		
26	0.30	0.55	1.71	1.55	4.79	5.12	2.80	1.52	1.10	0.85	0.67	0.46		
27	0.30	0.55	1.55	1.46	4.54	4.85	2.77	1.49	1.10	0.85	0.64	0.46		
28	0.30	0.52	1.58	1.52	4.33	4.66	2.71	1.49	1.10	0.85	0.64	0.46		
29	0.27	0.52	1.49	1.55	4.18	4.48	2.68	1.46	1.07	0.85	0.64	0.46		
30	0.27	0.52	1.92	1.83		4.30	2.62	1.46	1.07	0.85	0.64	0.43		
31	0.27		2.32	2.07			4.15	1.43		0.85	0.61			
MEAN	0.31	0.39	1.06	1.70	3.50	4.52	3.34	1.87	1.22	0.95	0.73	0.52	1.67	
MAX.	0.34	0.58	2.32	2.32	5.58	5.73	4.05	2.53	1.43	1.04	0.85	0.61	5.73	
MIN.	0.27	0.27	0.49	1.16	2.19	3.60	2.62	1.43	1.07	0.85	0.61	0.43	0.27	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1959/60	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	7.4	7.0	9.8	61.2	66.4	164.7	162.6	74.7	32.3	21.3	17.0	12.0		
2	7.4	7.0	9.8	61.2	71.9	152.3	156.4	73.3	31.4	21.3	17.0	12.0		
3	7.4	7.4	9.8	61.2	74.7	142.3	152.3	69.1	30.5	21.3	16.3	12.0		
4	7.4	7.4	10.4	61.2	74.7	140.4	146.3	66.4	29.6	21.3	16.3	11.5		
5	7.4	8.8	10.4	58.6	66.4	142.3	144.3	63.8	29.6	21.3	16.3	11.5		
6	7.4	8.8	10.9	61.2	59.9	138.4	140.4	61.2	29.6	21.3	15.7	11.5		
7	7.4	8.8	10.9	65.1	62.5	134.6	138.4	58.6	28.7	20.6	15.7	11.5		
8	7.4	8.4	12.0	58.6	65.1	132.7	136.5	57.4	28.7	20.6	15.7	10.9		
9	7.4	7.9	12.6	54.9	62.5	136.5	136.5	54.9	27.8	20.6	15.7	10.9		
10	7.4	7.4	15.0	51.3	67.8	146.3	134.6	53.7	27.8	19.8	15.0	10.9		
11	7.4	7.4	17.0	44.5	85.0	150.3	130.8	51.3	27.0	19.8	15.0	10.9		
12	7.4	7.0	17.7	41.3	95.9	150.3	127.1	50.2	27.0	19.8	15.0	10.9		
13	7.0	7.0	17.0	42.3	99.2	158.5	123.4	49.0	27.0	19.8	14.4	10.4		
14	7.0	7.0	18.4	37.2	104.1	186.5	121.6	47.9	27.0	19.8	14.4	10.9		
15	7.0	7.0	19.1	33.3	105.8	212.0	119.8	45.6	26.1	19.8	14.4	10.9		
16	7.0	7.0	20.6	31.4	112.7	244.2	118.0	45.6	26.1	19.1	14.4	10.4		
17	7.0	6.6	21.3	28.7	123.4	284.3	116.2	43.4	25.3	19.1	14.4	10.4		
18	7.0	6.6	27.0	27.8	142.3	298.3	112.7	42.3	25.3	19.1	14.4	10.4		
19	7.0	6.6	25.3	26.1	150.3	292.7	111.0	41.3	25.3	19.1	13.8	10.4		
20	7.0	7.4	25.3	24.5	177.6	281.5	107.5	40.2	24.5	18.4	13.8	9.8		
21	7.0	7.9	26.1	25.3	244.2	267.9	105.8	39.2	24.5	18.4	13.8	9.8		
22	7.0	9.3	27.0	25.3	284.3	254.6	102.5	38.2	23.7	18.4	13.2	9.8		
23	7.0	10.4	24.5	26.1	284.3	270.6	99.2	37.2	23.7	17.7	13.2	9.8		
24	7.0	10.9	29.6	27.0	265.2	259.9	95.9	36.2	22.9	17.7	13.2	9.3		
25	7.0	11.5	40.2	34.2	231.6	257.3	91.1	36.2	22.9	17.7	13.2	9.3		
26	7.0	10.9	41.3	36.2	216.8	244.2	88.0	35.2	22.9	17.0	13.2	9.3		
27	7.0	10.9	36.2	33.3	197.9	221.7	86.5	34.2	22.9	17.0	12.6	9.3		
28	7.0	10.4	37.2	35.2	182.0	207.2	83.5	34.2	22.9	17.0	12.6	9.3		
29	6.6	10.4	34.2	36.2	171.1	193.3	82.0	33.3	22.1	17.0	12.6	9.3		
30	6.6	10.4	49.0	45.6		179.8	79.0	33.3	22.1	17.0	12.6	8.8		
31	6.6		65.1	54.9		169.0		32.3		17.0	12.0			
MEAN	7.1	8.4	23.6	42.3	136.1	200.5	118.3	47.7	26.2	19.2	14.4	10.5	54.2	
MAX.	7.4	11.5	65.1	65.1	284.3	298.3	162.6	74.7	32.3	21.3	17.0	12.0	298.3	
MIN.	6.6	6.6	9.8	24.5	59.9	132.7	79.0	32.3	22.1	17.0	12.0	8.8	6.6	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 62.5      Q(185day): 24.5      Q(275day): 11.5      Q(355day): 7.0

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1960/61	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.43	0.34	0.73	1.89	3.23	5.52	5.76	3.44	2.16	1.58	1.22	0.91		
2	0.43	0.34	0.70	2.16	3.44	5.33	5.64	3.38	2.16	1.55	1.22	0.88		
3	0.43	0.34	0.76	2.16	3.41	5.03	5.52	3.32	2.13	1.55	1.19	0.88		
4	0.43	0.34	0.73	2.26	3.35	4.82	5.30	3.26	2.10	1.52	1.19	0.88		
5	0.43	0.34	0.73	2.29	3.60	4.63	5.18	3.23	2.07	1.52	1.16	0.85		
6	0.43	0.34	0.67	2.19	3.72	4.51	5.03	3.17	2.04	1.52	1.16	0.85		
7	0.43	0.34	0.67	2.07	3.87	4.54	4.88	3.11	2.01	1.49	1.16	0.85		
8	0.43	0.34	0.67	2.04	3.93	4.69	4.75	3.05	1.98	1.49	1.13	0.82		
9	0.40	0.34	0.61	2.04	3.87	4.75	4.69	3.02	1.95	1.46	1.13	0.82		
10	0.40	0.40	0.61	2.04	3.87	4.88	4.63	2.96	1.92	1.46	1.10	0.82		
11	0.37	0.40	0.61	2.01	3.90	5.00	4.51	2.90	1.89	1.43	1.10	0.79		
12	0.37	0.40	0.61	1.95	3.84	5.27	4.45	2.87	1.89	1.43	1.07	0.79		
13	0.37	0.46	0.61	1.89	3.78	5.46	4.45	2.83	1.86	1.43	1.07	0.79		
14	0.37	0.46	0.70	1.83	3.84	5.52	4.48	2.80	1.86	1.40	1.07	0.76		
15	0.40	0.49	0.79	1.83	3.90	5.46	4.42	2.77	1.83	1.40	1.07	0.76		
16	0.40	0.55	0.85	2.01	4.18	5.27	4.30	2.74	1.80	1.37	1.07	0.73		
17	0.43	0.67	1.10	2.19	4.27	5.09	4.24	2.71	1.80	1.37	1.04	0.73		
18	0.43	0.70	1.22	2.38	4.30	4.97	4.30	2.71	1.77	1.34	1.04	0.73		
19	0.43	0.64	1.19	2.44	4.45	4.94	4.27	2.68	1.77	1.34	1.04	0.70		
20	0.43	0.61	1.10	2.23	4.66	5.06	4.18	2.65	1.74	1.34	1.04	0.70		
21	0.43	0.58	1.34	2.13	5.03	5.15	4.08	2.62	1.74	1.31	1.01	0.70		
22	0.43	0.61	1.65	2.13	5.58	5.27	3.99	2.59	1.71	1.31	1.01	0.67		
23	0.43	0.61	1.62	2.19	5.73	5.49	3.93	2.56	1.71	1.31	1.01	0.67		
24	0.43	0.58	1.65	2.19	5.64	5.82	3.87	2.50	1.71	1.28	0.98	0.67		
25	0.40	0.58	1.62	2.23	5.52	6.07	3.81	2.47	1.68	1.28	0.98	0.67		
26	0.37	0.61	1.58	2.71	5.43	6.04	3.75	2.41	1.65	1.28	0.98	0.64		
27	0.37	0.67	1.49	3.14	5.52	6.00	3.69	2.35	1.65	1.28	0.94	0.64		
28	0.37	0.70	1.55	3.05	5.58	5.97	3.63	2.32	1.62	1.25	0.94	0.64		
29	0.37	0.67	1.65	3.08		5.82	3.57	2.29	1.62	1.25	0.94	0.61		
30	0.34	0.82	1.65	3.14		5.64	3.51	2.26	1.58	1.25	0.94	0.61		
31	0.34		1.77	3.23		5.64		2.19		1.22	0.91			
MEAN	0.40	0.51	1.07	2.29	4.34	5.28	4.43	2.78	1.85	1.39	1.06	0.75	2.16	
MAX.	0.43	0.82	1.77	3.23	5.73	6.07	5.76	3.44	2.16	1.58	1.22	0.91	6.07	
MIN.	0.34	0.34	0.61	1.83	3.23	4.51	3.51	2.19	1.58	1.22	0.91	0.61	0.34	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1960/61	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	8.8	7.4	14.4	47.9	111.0	278.8	301.2	123.4	58.6	37.2	26.1	18.4		
2	8.8	7.4	13.8	58.6	123.4	262.6	289.9	119.8	58.6	36.2	26.1	17.7		
3	8.8	7.4	15.0	58.6	121.6	236.6	278.8	116.2	57.4	36.2	25.3	17.7		
4	8.8	7.4	14.4	62.5	118.0	219.2	259.9	112.7	56.1	35.2	25.3	17.7		
5	8.8	7.4	14.4	63.8	132.7	204.9	249.4	111.0	54.9	35.2	24.5	17.0		
6	8.8	7.4	13.2	59.9	140.4	195.6	236.6	107.5	53.7	35.2	24.5	17.0		
7	8.8	7.4	13.2	54.9	150.3	197.9	224.1	104.1	52.5	34.2	24.5	17.0		
8	8.8	7.4	13.2	53.7	154.3	209.6	214.4	100.8	51.3	34.2	23.7	16.3		
9	8.4	7.4	12.0	53.7	150.3	214.4	209.6	99.2	50.2	33.3	23.7	16.3		
10	8.4	8.4	12.0	53.7	150.3	224.1	204.9	95.9	49.0	33.3	22.9	16.3		
11	7.9	8.4	12.0	52.5	152.3	234.1	195.6	92.7	47.9	32.3	22.9	15.7		
12	7.9	8.4	12.0	50.2	148.3	257.3	191.0	91.1	47.9	32.3	22.1	15.7		
13	7.9	9.3	12.0	47.9	144.3	273.3	191.0	89.6	46.7	32.3	22.1	15.7		
14	7.9	9.3	13.8	45.6	148.3	278.8	193.3	88.0	46.7	31.4	22.1	15.0		
15	8.4	9.8	15.7	45.6	152.3	273.3	188.7	86.5	45.6	31.4	22.1	15.0		
16	8.4	10.9	17.0	52.5	171.1	257.3	179.8	85.0	44.5	30.5	22.1	14.4		
17	8.8	13.2	22.9	59.9	177.6	241.7	175.4	83.5	44.5	30.5	21.3	14.4		
18	8.8	13.8	26.1	67.8	179.0	231.6	179.8	83.5	43.4	29.6	21.3	14.4		
19	8.8	12.6	25.3	70.5	191.0	229.1	177.6	82.0	43.4	29.6	21.3	13.8		
20	8.8	12.0	22.9	61.2	207.2	239.1	171.1	80.5	42.3	29.6	21.3	13.8		
21	8.8	11.5	29.6	57.4	236.6	246.8	164.7	79.0	42.3	28.7	20.6	13.8		
22	8.8	12.0	39.2	57.4	284.3	257.3	158.5	77.6	41.3	28.7	20.6	13.2		
23	8.8	12.0	38.2	59.9	298.3	276.0	154.3	76.1	41.3	28.7	20.6	13.2		
24	8.8	11.5	39.2	59.9	289.9	306.9	150.3	73.3	41.3	27.8	19.8	13.2		
25	8.4	11.5	38.2	61.2	278.8	330.4	146.3	71.9	40.2	27.8	19.8	13.2		
26	7.9	12.0	37.2	83.5	270.6	327.4	142.3	69.1	39.2	27.8	19.8	12.6		
27	7.9	13.2	34.2	105.8	278.8	324.4	138.4	66.4	39.2	27.8	19.1	12.6		
28	7.9	13.8	36.2	100.8	284.3	321.5	134.6	65.1	38.2	27.0	19.1	12.6		
29	7.9	13.2	39.2	102.5		306.9	130.6	63.8	38.2	27.0	19.1	12.0		
30	7.4	16.3	39.2	105.8		289.9	127.1	62.5	37.2	27.0	19.1	12.0		
31	7.4		43.4	111.0		289.9		59.9		26.1	18.4			
MEAN	8.4	10.3	23.5	65.4	187.4	259.2	192.0	87.7	46.5	31.1	22.0	14.9	78.3	
MAX.	8.8	16.3	43.4	111.0	298.3	330.4	301.2	123.4	58.6	37.2	26.1	18.4	330.4	
MIN.	7.4	7.4	12.0	45.6	111.0	195.6	127.1	59.9	37.2	26.1	18.4	12.0	7.4	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[ Flow Regime (m3/s) ]:

Q(95day): 111.0      Q(185day): 38.2      Q(275day): 15.0      Q(355day): 7.4

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST. : 4-200 MPATAMATO												YEAR : 1961/62												[WATER LEVEL (m)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
N																																				
1		0.61	0.61	1.65	3.87	4.72	6.86	7.38	5.91	3.69	2.68	2.19	1.74																							
2		0.61	0.67	1.71	3.63	4.88	6.86	7.41	5.88	3.66	2.65	2.16	1.71																							
3		0.58	0.61	1.71	3.41	5.39	6.86	7.68	5.85	3.60	2.65	2.16	1.68																							
4		0.58	0.61	1.65	3.44	5.76	6.74	7.83	5.79	3.54	2.65	2.13	1.68																							
5		0.58	0.58	1.65	3.60	5.97	6.55	7.71	5.67	3.51	2.62	2.13	1.65																							
6		0.58	0.58	1.83	3.72	6.10	6.37	7.50	5.85	3.47	2.59	2.13	1.65																							
7		0.58	0.61	1.95	3.84	6.22	6.22	7.25	5.43	3.41	2.59	2.13	1.62																							
8		0.55	0.67	2.01	4.08	6.22	6.16	7.04	5.30	3.38	2.59	2.10	1.62																							
9		0.55	0.73	2.26	4.30	6.25	6.16	6.89	5.18	3.35	2.56	2.10	1.58																							
10		0.55	0.88	2.35	4.30	6.37	6.13	6.80	5.09	3.29	2.53	2.07	1.55																							
11		0.55	0.94	2.38	4.21	6.37	6.28	6.80	5.00	3.26	2.53	2.04	1.55																							
12		0.55	1.10	2.38	4.21	6.25	6.64	6.95	4.94	3.23	2.50	2.04	1.52																							
13		0.55	1.25	2.44	4.33	6.19	6.86	7.10	4.85	3.17	2.50	2.04	1.52																							
14		0.55	1.49	2.35	4.42	6.13	6.80	7.04	4.79	3.14	2.47	2.01	1.49																							
15		0.52	1.55	2.35	4.45	6.04	6.71	6.86	4.69	3.11	2.47	2.01	1.49																							
16		0.52	1.74	2.41	4.39	6.00	6.61	6.68	4.63	3.08	2.44	1.98	1.49																							
17		0.52	1.86	2.50	4.33	6.07	6.49	6.52	4.57	3.02	2.41	1.98	1.49																							
18		0.52	1.77	2.90	4.24	6.07	6.46	6.40	4.48	2.99	2.41	1.95	1.49																							
19		0.52	1.83	3.20	4.24	6.04	6.55	6.31	4.42	2.96	2.41	1.95	1.49																							
20		0.49	1.80	3.38	4.21	6.07	6.77	6.22	4.36	2.96	2.38	1.92	1.46																							
21		0.49	1.86	3.51	4.21	6.19	7.07	6.13	4.33	2.93	2.38	1.92	1.46																							
22		0.49	1.95	3.66	4.11	6.64	7.50	6.07	4.27	2.90	2.35	1.92	1.43																							
23		0.49	1.89	3.66	4.21	7.07	7.71	5.97	4.21	2.83	2.35	1.92	1.43																							
24		0.52	1.80	3.57	4.42	7.19	8.02	5.91	4.15	2.80	2.32	1.89	1.43																							
25		0.52	1.77	3.57	4.63	7.10	7.80	5.85	4.08	2.80	2.32	1.89	1.37																							
26		0.49	1.80	3.66	4.66	6.95	7.59	5.85	4.05	2.77	2.29	1.86	1.34																							
27		0.52	2.10	3.72	4.60	6.77	7.47	5.91	3.99	2.74	2.26	1.83	1.34																							
28		0.52	2.01	3.81	4.57	6.77	7.44	6.04	3.93	2.71	2.23	1.80	1.34																							
29		0.55	1.86	4.05	4.54		7.47	6.00	3.87	2.71	2.23	1.80	1.31																							
30		0.55	1.71	4.21	4.45		7.53	5.97	3.81	2.68	2.23	1.77	1.28																							
31		0.55		4.11	4.57		7.50		3.75		2.19	1.74																								
MEAN		0.54	1.35	2.79	4.20	6.21	6.91	6.67	4.75	3.12	2.44	1.99	1.51	3.52																						
MAX.		0.61	2.10	4.21	4.66	7.19	8.02	7.83	5.91	3.69	2.68	2.19	1.74	8.02																						
MIN.		0.49	0.58	1.65	3.41	4.72	6.13	5.85	3.75	2.68	2.19	1.74	1.28	0.49																						

*QM*	ST. : 4-200 MPATAMATO												YEAR : 1961/62												[DISCHARGE (m3/sec)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
N																																				
1		12.0	12.0	39.2	150.3	212.0	412.6	471.3	315.6	138.4	82.0	59.9	42.3																							
2		12.0	13.2	41.3	134.6	224.1	412.6	474.9	312.7	136.5	80.5	58.6	41.3																							
3		11.5	12.0	41.3	121.6	267.9	412.6	507.7	309.8	132.7	80.5	58.6	40.2																							
4		11.5	12.0	39.2	123.4	301.2	399.4	526.3	304.0	128.9	80.5	57.4	40.2																							
5		11.5	11.5	39.2	132.7	321.5	379.9	511.4	292.7	127.1	79.0	57.4	39.2																							
6		11.5	11.5	45.6	140.4	333.4	360.9	485.7	309.8	125.2	77.6	57.4	39.2																							
7		11.5	12.0	50.2	148.3	345.5	345.5	457.1	270.6	121.6	77.6	57.4	38.2																							
8		10.9	13.2	52.5	164.7	345.5	339.4	432.9	259.9	119.8	77.6	56.1	38.2																							
9		10.9	14.4	62.5	179.8	348.5	339.4	415.9	249.4	118.0	76.1	56.1	37.2																							
10		10.9	17.7	66.4	179.8	360.9	336.4	405.9	241.7	114.4	74.7	54.9	36.2																							
11		10.9	19.1	67.8	173.3	360.9	351.6	405.9	234.1	112.7	74.7	53.7	36.2																							
12		10.9	22.9	67.8	173.3	348.5	389.6	422.7	229.1	111.0	73.3	53.7	35.2																							
13		10.9	27.0	70.5	182.0	342.4	412.6	439.7	221.7	107.5	73.3	53.7	35.2																							
14		10.9	34.2	66.4	188.7	336.4	405.9	432.9	216.8	105.8	71.9	52.5	34.2																							
15		10.4	36.2	66.4	191.0	327.4	396.1	412.6	209.6	104.1	71.9	52.5	34.2																							
16		10.4	42.3	69.1	186.5	324.4	386.3	392.8	204.9	102.5	70.5	51.3	34.2																							
17		10.4	46.7	73.3	182.0	330.4	373.5	376.7	200.2	99.2	68.1	51.3	34.2																							
18		10.4	43.4	92.7	175.4	330.4	370.3	364.0	193.3	97.5	69.1	50.2	34.2																							
19		10.4	45.6	109.2	175.4	327.4	379.9	354.7	188.7	95.9	69.1	50.2	34.2																							
20		9.8	44.5	119.8	173.3	330.4	402.6	345.5	184.3	95.9	67.8	49.0	33.3																							
21		9.8	46.7	127.1	173.3	342.4	436.3	336.4	182.0	94.3	67.8	49.0	33.3																							
22		9.8	50.2	136.5	166.8	389.6	485.7	330.4	177.6	92.7	66.4	49.0	32.3																							
23		9.8	47.9	136.5	173.3	436.3	511.4	321.5	173.3	89.6	66.4	49.0	32.3																							
24		10.4	44.5	130.8	188.7	450.1	549.2	315.6	169.0	88.0	65.1	47.9	32.3																							
25		10.4	43.4	130.8	204.9	439.7	522.6	309.8	164.7	88.0	65.1	47.9	30.5																							
26		9.8	44.5	136.5	207.2	422.7	496.6	309.8	162.6	86.5	63.8	46.7	29.6																							
27		10.4	56.1	140.4	202.5	402.6	482.1	315.6	158.5	85.0	62.5	45.6	29.6																							
28		10.4	52.5	146.3	200.2	402.6	478.5	327.4	154.3	83.5	61.2	44.5	29.6																							
29		10.9	46.7	162.6	197.9		482.1	324.4	150.3	83.5	61.2	44.5	28.7																							
30		10.9	41.3	173.3	191.0		489.3	321.5	146.3	82.0	61.2	43.4	27.8																							
31		10.9		166.8	200.2		485.7		142.3		59.9	42.3																								
MEAN		10.7	32.2	92.5	173.6	346.6	420.2	395.0	217.1	105.6	70.9	51.7	34.8	161.3																						
MAX.		12.0	56.1	173.3	207.2	450.1	549.2	526.3	315.6	138.4	82.0	59.9	42.3	549.2																						
MIN.		9.8	11.5	39.2	121.6	212.0	336.4	309.8	142.3	82.0	59.9	42.3	27.8	9.8																						

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^{2.2}$

[Flow Regime (m3/s)]:

Q(95day): 259.9      Q(185day): 94.3      Q(275day): 44.5      Q(355day): 10.4

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO													YEAR : 1962/63	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.25	0.88	1.65	5.27	5.88	6.34	5.64	4.11	2.74	2.26	1.92	1.49	1.49	1.49	
2	1.25	0.88	1.62	5.30	6.04	6.46	5.61	4.02	2.74	2.26	1.89	1.49	1.49	1.49	
3	1.22	0.85	1.68	5.64	6.13	6.49	5.55	3.96	2.71	2.26	1.89	1.46	1.46	1.46	
4	1.22	0.85	1.92	5.82	6.28	6.46	5.46	3.90	2.68	2.23	1.86	1.46	1.46	1.46	
5	1.19	0.82	2.16	5.97	6.25	6.40	5.36	3.84	2.65	2.23	1.86	1.43	1.43	1.43	
6	1.16	0.82	2.44	6.34	6.28	6.31	5.30	3.81	2.65	2.23	1.86	1.43	1.43	1.43	
7	1.16	0.82	2.47	6.86	6.34	6.28	5.21	3.75	2.62	2.19	1.83	1.43	1.43	1.43	
8	1.13	0.85	2.53	7.07	6.34	6.25	5.12	3.69	2.59	2.19	1.83	1.40	1.40	1.40	
9	1.13	0.91	2.53	7.01	6.31	6.25	5.03	3.63	2.56	2.19	1.80	1.40	1.40	1.40	
10	1.13	1.04	2.62	6.77	6.31	6.16	4.94	3.57	2.56	2.16	1.80	1.37	1.37	1.37	
11	1.10	1.16	2.90	6.58	6.40	6.22	4.88	3.54	2.56	2.16	1.80	1.37	1.37	1.37	
12	1.10	1.40	2.96	6.37	6.49	6.46	4.79	3.47	2.53	2.16	1.77	1.34	1.34	1.34	
13	1.10	1.43	3.02	6.10	6.64	6.98	4.72	3.41	2.50	2.13	1.77	1.34	1.34	1.34	
14	1.07	1.43	3.08	5.91	6.68	7.28	4.66	3.38	2.50	2.13	1.74	1.31	1.31	1.31	
15	1.07	1.40	3.14	5.79	6.61	7.13	4.60	3.32	2.50	2.13	1.71	1.28	1.28	1.28	
16	1.04	1.40	3.14	5.70	6.58	6.86	4.54	3.29	2.47	2.10	1.71	1.28	1.28	1.28	
17	1.04	1.40	3.26	5.67	6.74	6.64	4.51	3.23	2.47	2.10	1.71	1.28	1.28	1.28	
18	1.01	1.46	3.29	5.67	6.92	6.52	4.48	3.17	2.44	2.07	1.71	1.25	1.25	1.25	
19	1.01	1.49	3.17	5.79	7.10	6.49	4.48	3.14	2.44	2.07	1.68	1.25	1.25	1.25	
20	0.98	1.52	3.23	5.88	7.13	6.55	4.51	3.11	2.44	2.04	1.65	1.22	1.22	1.22	
21	0.98	1.46	3.51	5.91	6.92	6.46	4.54	3.08	2.41	2.04	1.65	1.22	1.22	1.22	
22	0.98	1.52	3.60	5.94	6.71	6.34	4.63	3.05	2.41	2.01	1.65	1.22	1.22	1.22	
23	0.98	1.55	3.90	5.79	6.46	6.25	4.72	2.99	2.38	2.01	1.62	1.22	1.22	1.22	
24	0.94	1.58	4.24	5.64	6.37	6.19	4.69	2.96	2.38	1.98	1.58	1.19	1.19	1.19	
25	0.94	1.62	4.45	5.49	6.31	6.16	4.63	2.93	2.35	1.98	1.58	1.16	1.16	1.16	
26	0.94	1.68	4.75	5.36	6.28	6.10	4.57	2.90	2.35	1.98	1.58	1.16	1.16	1.16	
27	0.94	1.58	5.12	5.27	6.25	6.04	4.48	2.87	2.32	1.95	1.55	1.13	1.13	1.13	
28	0.94	1.55	5.85	5.12	6.22	5.97	4.39	2.83	2.32	1.95	1.55	1.13	1.13	1.13	
29	0.91	1.58	5.94	5.12		5.88	4.30	2.80	2.29	1.95	1.52	1.10	1.10	1.10	
30	0.91	1.65	5.76	5.30		5.82	4.18	2.80	2.29	1.92	1.52	1.10	1.10	1.10	
31	0.91		5.52	5.64		5.70		2.77		1.92	1.52				
MEAN	1.06	1.29	3.40	5.87	6.46	6.37	4.82	3.33	2.49	2.10	1.71	1.30	1.30	3.33	
MAX.	1.25	1.68	5.94	7.07	7.13	7.28	5.64	4.11	2.74	2.26	1.92	1.49	1.49	7.28	
MIN.	0.91	0.82	1.62	5.12	5.88	5.70	4.18	2.77	2.29	1.92	1.52	1.10	1.10	0.82	

*QM*	ST.: 4-200 MPATAMATO													YEAR : 1962/63	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	27.0	17.7	39.2	257.3	312.7	357.8	289.9	166.8	85.0	62.5	49.0	34.2	34.2	34.2	
2	27.0	17.7	38.2	259.9	327.4	370.3	287.1	160.5	85.0	62.5	47.9	34.2	34.2	34.2	
3	26.1	17.0	40.2	289.9	336.4	373.5	281.5	156.4	83.5	62.5	47.9	33.3	33.3	33.3	
4	26.1	17.0	49.0	306.9	351.6	370.3	273.3	152.3	82.0	61.2	46.7	33.3	33.3	33.3	
5	25.3	16.3	58.6	321.5	348.5	364.0	265.2	148.3	80.5	61.2	46.7	32.3	32.3	32.3	
6	24.5	16.3	70.5	357.8	351.6	354.7	259.9	146.3	80.5	61.2	46.7	32.3	32.3	32.3	
7	24.5	16.3	71.9	412.6	357.8	351.6	252.0	142.3	79.0	59.9	45.6	32.3	32.3	32.3	
8	23.7	17.0	74.7	436.3	357.8	348.5	244.2	138.4	77.6	59.9	45.6	31.4	31.4	31.4	
9	23.7	18.4	74.7	429.5	354.7	348.5	236.6	134.6	76.1	59.9	44.5	31.4	31.4	31.4	
10	23.7	21.3	79.0	402.6	354.7	339.4	229.1	130.8	76.1	58.6	44.5	30.5	30.5	30.5	
11	22.9	24.5	92.7	383.1	364.0	345.5	224.1	128.9	76.1	58.6	44.5	30.5	30.5	30.5	
12	22.9	31.4	95.9	360.9	373.5	370.3	216.8	125.2	74.7	58.6	43.4	29.6	29.6	29.6	
13	22.9	32.3	99.2	333.4	389.6	426.1	212.0	121.6	73.3	57.4	43.4	29.6	29.6	29.6	
14	22.1	32.3	102.5	315.6	392.8	460.7	207.2	119.8	73.3	57.4	42.3	28.7	28.7	28.7	
15	22.1	31.4	105.8	304.0	386.3	443.2	202.5	116.2	73.3	57.4	41.3	27.8	27.8	27.8	
16	21.3	31.4	105.8	295.5	383.1	412.6	197.9	114.4	71.9	56.1	41.3	27.8	27.8	27.8	
17	21.3	31.4	112.7	292.7	399.4	389.6	195.6	111.0	71.9	56.1	41.3	27.8	27.8	27.8	
18	20.6	33.3	114.4	292.7	419.3	376.7	193.3	107.5	70.5	54.9	41.3	27.0	27.0	27.0	
19	20.6	34.2	107.5	304.0	439.7	373.5	193.3	105.8	70.5	54.9	40.2	27.0	27.0	27.0	
20	19.8	35.2	111.0	312.7	443.2	379.9	195.6	104.1	70.5	53.7	39.2	26.1	26.1	26.1	
21	19.8	33.3	127.1	315.6	419.3	370.3	197.9	102.5	69.1	53.7	39.2	26.1	26.1	26.1	
22	19.8	35.2	132.7	318.5	396.1	357.8	204.9	100.8	69.1	52.5	39.2	26.1	26.1	26.1	
23	19.8	36.2	152.3	304.0	370.3	348.5	212.0	97.5	67.8	52.5	38.2	26.1	26.1	26.1	
24	19.1	37.2	175.4	289.9	360.9	342.4	209.6	95.9	67.8	51.3	37.2	25.3	25.3	25.3	
25	19.1	38.2	191.0	276.0	354.7	339.4	204.9	94.3	66.4	51.3	37.2	24.5	24.5	24.5	
26	19.1	40.2	214.4	265.2	351.6	333.4	200.2	92.7	66.4	51.3	37.2	24.5	24.5	24.5	
27	19.1	37.2	244.2	257.3	348.5	327.4	193.3	91.1	65.1	50.2	36.2	23.7	23.7	23.7	
28	19.1	36.2	309.8	244.2	345.5	321.5	186.5	89.6	65.1	50.2	36.2	23.7	23.7	23.7	
29	18.4	37.2	318.5	244.2		312.7	179.8	88.0	63.8	50.2	35.2	22.9	22.9	22.9	
30	18.4	39.2	301.2	259.9		306.9	171.1	88.0	63.8	49.0	35.2	22.9	22.9	22.9	
31	18.4		278.8	289.9		295.5		86.5		49.0	35.2				
MEAN	21.9	28.7	131.9	314.0	371.1	361.7	220.6	118.0	73.2	56.0	41.6	28.4	28.4	146.1	
MAX.	27.0	40.2	318.5	436.3	443.2	460.7	289.9	166.8	85.0	62.5	49.0	34.2	34.2	460.7	
MIN.	18.4	16.3	38.2	244.2	312.7	295.5	171.1	86.5	63.8	49.0	35.2	22.9	22.9	16.3	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 259.9      Q(185day): 74.7      Q(275day): 37.2      Q(355day): 18.4

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1963/64		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.09	1.09	1.78	2.42	5.27	5.04	3.62	2.38	1.66	1.39	1.19	0.96				
2	1.08	1.14	1.80	2.41	5.15	4.88	3.58	2.34	1.65	1.38	1.19	0.94				
3	1.07	1.15	1.88	2.40	4.91	4.74	3.53	2.31	1.63	1.37	1.18	0.92				
4	1.07	1.19	1.84	2.41	4.65	4.61	3.47	2.27	1.62	1.37	1.18	0.91				
5	1.06	1.28	1.96	2.47	4.44	4.50	3.43	2.24	1.61	1.36	1.16	0.91				
6	1.05	1.39	2.16	2.51	4.51	4.41	3.37	2.22	1.61	1.36	1.16	0.91				
7	1.04	1.44	2.30	2.57	4.91	4.32	3.32	2.18	1.59	1.35	1.15	0.91				
8	1.04	1.43	2.39	2.67	5.18	4.23	3.26	2.15	1.58	1.35	1.14	0.92				
9	1.02	1.50	2.40	2.84	5.66	4.16	3.22	2.12	1.57	1.35	1.14	0.91				
10	1.02	1.67	2.56	3.00	5.69	4.13	3.19	2.08	1.55	1.34	1.14	0.89				
11	1.01	1.74	2.60	3.16	5.73	4.12	3.15	2.06	1.54	1.33	1.13	0.88				
12	0.99	1.58	2.62	3.29	5.67	4.22	3.09	2.03	1.52	1.32	1.13	0.87				
13	0.99	1.52	2.73	3.39	5.53	4.30	3.06	2.00	1.51	1.32	1.13	0.87				
14	0.98	1.48	2.71	3.46	5.39	4.42	3.01	1.98	1.50	1.32	1.12	0.86				
15	0.97	1.50	2.66	3.47	5.26	4.56	2.98	1.96	1.49	1.31	1.11	0.85				
16	0.94	1.51	2.64	3.47	5.39	4.63	2.94	1.93	1.48	1.31	1.11	0.84				
17	0.92	1.48	2.55	3.43	5.77	4.63	2.89	1.90	1.48	1.30	1.10	0.83				
18	0.91	1.44	2.47	3.32	6.11	4.62	2.84	1.88	1.47	1.30	1.09	0.82				
19	0.91	1.42	2.39	3.26	6.11	4.58	2.80	1.87	1.46	1.29	1.07	0.82				
20	0.89	1.47	2.33	3.34	5.96	4.53	2.75	1.85	1.46	1.28	1.06	0.80				
21	0.88	1.58	2.30	3.38	5.81	4.41	2.72	1.83	1.46	1.28	1.05	0.79				
22	0.87	1.91	2.33	3.42	5.63	4.28	2.68	1.80	1.46	1.27	1.03	0.79				
23	0.87	1.79	2.38	3.33	5.52	4.17	2.64	1.79	1.45	1.26	1.02	0.79				
24	0.88	1.82	2.52	3.28	5.52	4.08	2.60	1.77	1.45	1.26	1.02	0.79				
25	0.88	1.90	2.50	3.28	5.61	4.02	2.58	1.75	1.44	1.24	1.01	0.79				
26	0.91	1.91	2.46	3.30	5.47	3.96	2.54	1.74	1.43	1.23	1.00	0.77				
27	0.95	1.94	2.39	3.40	5.37	3.90	2.51	1.72	1.42	1.23	0.99	0.76				
28	0.98	1.89	2.34	3.80	5.22	3.84	2.48	1.71	1.41	1.22	0.98	0.76				
29	1.02	1.84	2.36	4.22	5.15	3.79	2.44	1.69	1.40	1.22	0.97	0.75				
30	0.97	1.80	2.48	4.72		3.73	2.41	1.68	1.39	1.21	0.97	0.74				
31	1.00		2.47	5.10		3.67		1.67		1.20	0.98					
MEAN	0.98	1.56	2.37	3.24	5.40	4.30	2.97	1.96	1.51	1.30	1.09	0.85	2.28			
MAX.	1.09	1.94	2.73	5.10	6.11	5.04	3.62	2.38	1.66	1.39	1.19	0.96	6.11			
MIN.	0.87	1.09	1.78	2.40	4.44	3.67	2.41	1.67	1.39	1.20	0.97	0.74	0.74			

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1963/64		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	22.8	22.5	44.0	69.7	257.3	237.1	134.2	67.8	39.6	30.9	25.4	19.5				
2	22.5	24.0	44.6	69.1	247.1	224.1	131.8	66.0	39.3	30.7	25.3	18.9				
3	22.2	24.3	47.4	69.0	226.6	213.0	128.8	64.7	38.8	30.6	25.1	18.6				
4	22.2	25.4	46.2	69.4	206.3	202.8	124.7	63.0	38.5	30.5	24.9	18.4				
5	21.9	27.7	50.6	72.2	190.1	194.4	122.3	61.7	38.1	30.2	24.6	18.3				
6	21.6	31.1	58.6	74.0	195.8	188.3	118.9	60.8	37.9	30.0	24.5	18.3				
7	21.5	32.5	64.3	76.7	226.6	181.1	115.9	59.3	37.5	29.9	24.2	18.4				
8	21.3	32.2	68.2	81.2	249.4	174.8	112.5	57.9	37.2	29.8	24.1	18.5				
9	21.0	34.3	69.0	90.1	291.8	170.3	110.6	56.8	36.8	29.8	23.9	18.2				
10	20.9	40.1	76.3	98.3	294.6	168.1	108.5	55.3	36.1	29.4	23.9	17.8				
11	20.6	42.6	77.9	106.8	298.3	167.3	106.2	54.4	35.6	29.1	23.8	17.6				
12	20.3	37.2	78.7	114.4	292.4	173.9	103.1	53.2	35.0	29.0	23.7	17.3				
13	20.1	35.2	84.2	120.3	279.6	180.0	101.3	52.0	34.6	29.0	23.7	17.3				
14	19.9	33.9	83.5	124.3	267.9	189.0	99.0	51.4	34.3	29.0	23.5	17.1				
15	19.6	34.5	80.9	125.2	255.9	199.0	97.2	50.5	34.2	28.8	23.3	16.9				
16	19.1	34.7	79.8	125.2	267.4	204.4	95.0	49.5	33.9	28.7	23.1	16.8				
17	18.6	33.9	75.7	122.7	302.0	204.6	92.6	48.2	33.7	28.5	22.9	16.5				
18	18.2	32.7	71.9	115.9	334.3	203.9	89.7	47.5	33.5	28.3	22.7	16.3				
19	18.2	32.0	68.5	112.9	334.6	201.1	87.7	46.9	33.3	28.0	22.2	16.3				
20	17.8	33.5	65.9	117.4	319.7	196.7	85.4	46.4	33.2	27.8	21.8	15.9				
21	17.6	37.2	64.3	119.6	305.7	188.1	83.6	45.7	33.2	27.7	21.5	15.6				
22	17.4	48.5	65.9	121.8	289.0	178.5	81.8	44.7	33.2	27.6	21.2	15.5				
23	17.3	44.1	67.8	116.4	278.8	170.9	79.8	44.1	33.0	27.3	20.9	15.6				
24	17.6	45.4	74.1	113.9	279.1	164.5	78.0	43.4	32.8	27.1	20.9	15.7				
25	17.7	48.2	73.4	113.9	287.1	160.1	76.9	42.9	32.7	26.7	20.6	15.6				
26	18.2	48.5	71.6	115.0	274.7	156.0	75.1	42.4	32.2	26.5	20.4	15.3				
27	19.2	49.7	68.3	121.0	265.5	152.1	73.9	41.8	31.9	26.4	20.1	15.0				
28	20.0	48.0	66.3	145.7	252.8	148.3	72.3	41.4	31.7	26.2	19.8	15.0				
29	20.9	46.2	66.8	174.6	246.6	144.7	70.8	40.9	31.3	26.1	19.7	14.8				
30	19.6	44.7	72.6	212.0		141.2	69.4	40.3	31.1	25.9	19.7	14.5				
31	20.3		72.2	242.2		137.5		40.0		25.6	19.9					
MEAN	19.9	36.8	67.7	114.5	269.5	181.2	97.6	51.0	34.8	28.4	22.6	16.9	77.7			
MAX.	22.8	49.7	84.2	242.2	334.6	237.1	134.2	67.8	39.6	30.9	25.4	19.5	334.6			
MIN.	17.3	22.5	44.0	69.0	190.1	137.5	69.4	40.0	31.1	25.6	19.7	14.5	14.5			

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 99.0    Q(185day): 43.4    Q(275day): 24.9    Q(355day): 16.3

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1964/65												[WATER LEVEL (m)]											
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	1.00	0.72	1.35	2.07	3.67	4.10	3.75	2.28	1.56	1.26	1.12	0.86																								
2	0.73	0.76	1.32	2.36	3.69	3.99	3.70	2.25	1.54	1.25	1.11	0.85																								
3	0.72	0.77	1.29	2.39	3.68	3.91	3.64	2.23	1.53	1.25	1.10	0.84																								
4	0.70	0.77	1.30	2.36	3.65	3.93	3.59	2.20	1.51	1.24	1.09	0.83																								
5	0.70	0.75	1.31	2.39	3.51	4.15	3.54	2.16	1.51	1.24	1.09	0.82																								
6	0.70	0.73	1.31	2.57	3.47	4.36	3.47	1.86	1.50	1.23	1.07	0.82																								
7	0.70	0.80	1.35	2.72	3.56	4.33	3.40	2.08	1.49	1.25	1.06	0.82																								
8	0.70	0.91	1.39	2.76	3.65	4.23	3.33	2.06	1.48	1.24	1.06	0.91																								
9	0.70	0.98	1.41	2.85	3.69	4.22	3.25	2.03	1.46	1.24	1.05	0.90																								
10	0.69	0.99	1.41	3.06	3.78	4.36	3.18	2.00	1.45	1.24	1.03	0.91																								
11	0.68	0.98	1.44	2.97	3.92	4.42	3.12	1.97	1.44	1.23	1.01	0.89																								
12	0.68	0.99	1.49	3.05	4.04	4.44	3.07	1.94	1.43	1.23	1.01	0.84																								
13	0.68	1.35	1.44	3.26	4.15	4.55	3.02	1.92	1.43	1.23	1.00	0.79																								
14	0.70	1.03	1.37	3.64	4.26	4.70	2.97	1.90	1.42	1.23	0.99	0.86																								
15	0.70	0.97	1.31	4.23	4.37	4.63	2.92	1.88	1.41	1.23	0.98	0.84																								
16	0.69	0.97	1.40	4.60	4.52	4.43	2.88	1.85	1.40	1.23	0.98	0.80																								
17	0.69	0.98	1.29	4.72	4.58	4.22	2.84	1.83	1.38	1.22	0.98	0.77																								
18	0.68	0.97	1.28	4.63	4.57	4.04	2.80	1.82	1.37	1.22	0.97	0.73																								
19	0.70	0.94	1.39	4.40	4.52	3.86	2.75	1.80	1.35	1.21	0.96	0.66																								
20	0.70	0.92	1.48	4.28	4.47	3.75	2.71	1.78	1.35	1.21	0.95	0.62																								
21	0.69	0.93	1.50	4.33	4.43	3.72	2.66	1.75	1.34	1.21	0.95	0.63																								
22	0.68	0.93	1.57	4.39	4.43	3.63	2.61	1.73	1.34	1.20	0.95	0.64																								
23	0.67	0.99	1.64	4.26	4.54	3.61	2.57	1.71	1.32	1.19	0.94	0.65																								
24	0.67	1.11	1.72	3.80	4.53	3.65	2.53	1.69	1.31	1.18	0.94	0.66																								
25	0.66	1.18	1.78	4.01	4.41	3.63	2.50	1.67	1.30	1.16	0.93	0.66																								
26	0.66	1.31	1.87	3.89	4.36	3.57	2.46	1.66	1.29	1.15	0.92	0.67																								
27	0.66	1.42	1.89	3.81	4.28	3.54	2.42	1.65	1.28	1.15	0.91	0.67																								
28	0.66	1.43	1.91	3.78	4.20	3.47	2.38	1.62	1.27	1.14	0.91	0.68																								
29	0.67	1.41	1.94	3.67		3.46	2.35	1.60	1.26	1.14	0.89	0.69																								
30	0.68	1.38	1.95	3.70		3.63	2.32	1.58	1.26	1.13	0.88	0.68																								
31	0.68		1.97	3.60		3.75		1.58		1.13	0.87																									
MEAN	0.70	1.01	1.52	3.50	4.10	4.01	2.96	1.87	1.40	1.21	0.99	0.77	1.99																							
MAX.	1.00	1.43	1.97	4.72	4.58	4.70	3.75	2.28	1.56	1.26	1.12	0.91	4.72																							
MIN.	0.66	0.72	1.28	2.07	3.47	3.46	2.32	1.58	1.26	1.13	0.87	0.62	0.62																							

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1964/65												[DISCHARGE (m3/sec)]											
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	20.3	14.2	29.8	54.8	137.1	165.8	142.1	63.5	36.3	27.2	23.5	17.1																								
2	14.5	15.0	29.0	67.1	138.4	158.2	139.4	62.2	35.8	27.0	23.3	16.9																								
3	14.2	15.1	28.2	68.3	137.7	153.1	135.6	61.2	35.3	26.9	23.0	16.7																								
4	13.8	15.1	28.3	67.0	135.7	154.5	132.1	60.2	34.9	26.6	22.8	16.5																								
5	13.7	14.8	28.7	68.5	127.3	169.2	128.9	58.4	34.6	26.6	22.6	16.3																								
6	13.8	14.4	28.8	76.4	125.0	184.7	124.9	46.6	34.3	26.5	22.2	16.3																								
7	13.8	15.8	29.8	83.6	130.6	182.2	121.0	55.3	34.0	26.9	22.0	16.2																								
8	13.8	18.2	30.9	85.6	136.1	175.2	116.6	54.3	33.6	26.8	21.8	18.2																								
9	13.8	19.8	31.5	90.5	138.2	174.3	112.0	53.1	33.3	26.8	21.6	18.0																								
10	13.6	20.3	31.8	101.6	144.3	184.0	108.2	52.0	32.9	26.6	21.1	18.3																								
11	13.4	20.0	32.5	96.6	153.5	188.7	105.0	51.0	32.6	26.4	20.8	17.8																								
12	13.4	20.2	34.1	100.8	161.4	190.1	102.1	49.8	32.3	26.4	20.6	16.7																								
13	13.4	29.8	32.4	112.5	169.2	198.6	99.2	49.1	32.1	26.4	20.4	15.7																								
14	13.8	21.1	30.6	135.6	177.0	210.3	96.7	48.3	31.9	26.4	20.2	17.1																								
15	13.8	19.7	28.7	175.0	185.1	204.9	94.2	47.5	31.5	26.3	20.0	16.7																								
16	13.7	19.7	31.3	202.3	196.3	189.6	92.1	46.5	31.2	26.3	19.9	15.9																								
17	13.5	19.8	28.0	212.0	200.4	174.1	89.9	45.8	30.8	26.0	19.8	15.1																								
18	13.4	19.6	27.9	204.4	199.7	162.0	87.9	45.3	30.4	26.0	19.7	14.3																								
19	13.7	18.9	30.9	187.2	196.3	149.9	85.4	44.4	29.9	25.9	19.5	12.9																								
20	13.8	18.5	33.8	178.5	192.8	142.1	83.3	43.7	29.8	25.9	19.3	12.3																								
21	13.6	18.7	34.3	181.8	189.6	140.6	80.8	42.8	29.7	25.8	19.2	12.5																								
22	13.4	18.7	36.8	186.5	189.5	134.8	78.6	42.0	29.4	25.5	19.2	12.5																								
23	13.2	20.3	38.9	177.0	197.6	133.3	76.4	41.5	29.0	25.3	19.0	12.7																								
24	13.1	23.2	41.6	145.9	197.0	136.1	74.6	40.7	28.7	24.9	18.9	12.9																								
25	13.1	24.9	44.0	159.7	188.1	135.0	73.4	40.1	28.4	24.6	18.7	13.1																								
26	12.9	28.6	47.2	151.7	184.0	131.0	71.5	39.6	28.2	24.3	18.5	13.2																								
27	12.9	32.0	47.9	146.5	178.3	128.9	69.8	39.2	27.9	24.1	18.4	13.2																								
28	12.9	32.3	48.8	144.1	173.0	124.9	68.0	38.4	27.6	24.1	18.2	13.3																								
29	13.2	31.6	49.6	137.1		124.3	66.4	37.6	27.4	24.1	17.9	13.5																								
30	13.4	30.7	50.3	139.2		134.6	65.2	37.2	27.2	23.8	17.7	13.4																								
31	13.4		51.0	132.7		142.3		36.9		23.7	17.3																									
MEAN	13.7	21.0	35.4	131.3	167.1	160.6	97.4	47.6	31.4	25.8	20.2	15.2	63.3																							
MAX.	20.3	32.3	51.0	212.0	200.4	210.3	142.1	63.5	36.3	27.2	23.5	18.3	212.0																							
MIN.	12.9	14.2	27.9	54.8	125.0	124.3	65.2	36.9	27.2	23.7	17.3	12.3	12.3																							

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 96.6      Q(185day): 31.5      Q(275day): 19.8      Q(355day): 13.1

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO													YEAR : 1965/66	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.68	0.89	1.08	1.64	2.55	4.68	3.53	2.22	1.56	1.21	0.96	0.78			
2	0.67	0.58	1.14	1.71	2.73	5.16	3.53	2.19	1.54	1.20	0.95	0.77			
3	0.67	0.58	1.18	1.65	2.86	5.54	3.46	2.13	1.53	1.20	0.95	0.77			
4	0.69	0.59	1.18	1.68	2.91	5.57	3.41	2.09	1.52	1.19	0.94	0.77			
5	0.73	0.59	1.29	1.68	2.87	5.58	3.37	2.06	1.50	1.18	0.94	0.77			
6	0.73	0.61	1.52	1.69	3.08	5.63	3.32	2.01	1.48	1.17	0.93	0.77			
7	0.71	0.63	1.58	1.69	3.30	5.63	3.25	1.98	1.47	1.16	0.93	0.77			
8	0.70	0.69	1.61	1.71	3.52	5.55	3.18	1.94	1.46	1.15	0.93	0.76			
9	0.70	0.73	1.59	1.80	3.72	5.35	3.16	1.91	1.45	1.14	0.92	0.76			
10	0.69	0.93	1.56	1.89	3.65	5.14	3.10	1.89	1.44	1.13	0.92	0.75			
11	0.67	0.87	1.65	1.80	3.48	4.96	3.06	1.88	1.44	1.12	0.91	0.73			
12	0.66	0.84	1.62	1.75	3.39	4.86	3.02	1.96	1.43	1.12	0.90	0.71			
13	0.69	0.83	1.55	1.72	3.46	4.74	3.04	1.98	1.42	1.11	0.89	0.70			
14	0.70	0.87	1.55	1.68	3.71	4.66	3.06	1.97	1.41	1.10	0.89	0.70			
15	0.69	1.04	1.54	1.72	3.66	4.65	3.06	1.94	1.39	1.09	0.88	0.69			
16	0.70	1.15	1.64	1.72	3.64	4.74	2.96	1.93	1.37	1.09	0.87	0.68			
17	0.69	1.09	1.91	1.75	3.83	4.79	2.86	1.93	1.35	1.08	0.87	0.71			
18	0.68	1.09	1.87	1.79	3.75	4.75	2.80	1.91	1.32	1.07	0.86	0.68			
19	0.66	1.09	1.75	1.90	3.53	4.66	2.76	1.88	1.32	1.06	0.85	0.67			
20	0.65	1.07	1.75	1.91	3.41	4.47	2.74	1.85	1.30	1.05	0.84	0.67			
21	0.65	1.03	1.85	1.93	3.48	4.32	2.72	1.78	1.29	1.05	0.84	0.66			
22	0.66	1.00	1.76	1.91	3.48	4.18	2.65	1.76	1.28	1.04	0.83	0.65			
23	0.67	0.98	1.69	1.85	3.48	4.07	2.58	1.74	1.27	1.03	0.82	0.64			
24	0.68	1.01	1.69	1.84	3.42	3.97	2.54	1.72	1.26	1.02	0.81	0.64			
25	0.68	1.02	1.69	1.84	3.60	3.89	2.49	1.69	1.25	1.01	0.81	0.63			
26	0.66	1.03	1.68	1.85	3.85	3.83	2.44	1.66	1.24	1.00	0.80	0.62			
27	0.65	1.04	1.65	1.87	3.83	3.71	2.40	1.64	1.23	0.99	0.78	0.63			
28	0.64	1.06	1.63	1.94	4.23	3.63	2.40	1.62	1.23	0.99	0.78	0.65			
29	0.63	1.09	1.56	2.02	3.58	3.58	2.29	1.61	1.23	0.98	0.78	0.65			
30	0.61	1.08	1.58	2.16	3.57	3.57	2.25	1.59	1.22	0.98	0.78	0.64			
31	0.59		1.58	2.29	3.55	3.55		1.57		0.97	0.79				
MEAN	0.67	0.90	1.58	1.82	3.44	4.63	2.91	1.87	1.37	1.09	0.87	0.70	1.81		
MAX.	0.73	1.15	1.91	2.29	4.23	5.63	3.53	2.22	1.56	1.21	0.96	0.78	5.63		
MIN.	0.59	0.58	1.08	1.64	2.55	3.55	2.25	1.57	1.22	0.97	0.78	0.62	0.58		

*QM*	ST.: 4-200 MPATAMATO													YEAR : 1965/66	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	13.4	17.8	22.5	38.9	75.8	208.9	128.8	60.8	36.3	25.9	19.5	15.4			
2	13.2	11.4	24.1	41.4	84.2	247.9	128.6	59.8	35.8	25.7	19.3	15.2			
3	13.2	11.4	25.1	39.4	91.0	281.0	124.5	57.1	35.3	25.5	19.2	15.2			
4	13.5	11.6	24.9	40.4	93.7	283.5	121.2	55.7	35.0	25.4	19.1	15.2			
5	14.3	11.7	28.1	40.4	91.5	284.8	118.9	54.3	34.3	25.0	19.0	15.2			
6	14.3	12.0	35.1	40.9	102.3	288.7	115.9	52.6	33.9	24.8	18.8	15.1			
7	13.9	12.4	37.1	40.9	115.0	289.0	112.2	51.4	33.5	24.5	18.7	15.1			
8	13.8	13.5	38.1	41.3	127.8	282.1	108.2	49.7	33.3	24.2	18.7	15.0			
9	13.7	14.4	37.4	44.5	140.6	264.2	106.8	48.7	32.8	23.9	18.6	14.9			
10	13.5	18.8	36.4	47.9	136.3	245.5	103.8	48.0	32.6	23.7	18.5	14.7			
11	13.1	17.3	39.4	44.5	125.8	230.8	101.6	47.5	32.4	23.5	18.3	14.3			
12	13.1	16.6	38.5	42.8	120.3	222.9	99.5	50.5	32.3	23.3	18.0	14.0			
13	13.7	16.5	35.9	41.7	124.5	213.0	100.3	51.3	32.0	23.1	17.9	13.8			
14	13.8	17.4	36.2	40.4	139.8	207.2	101.3	50.7	31.6	22.9	17.8	13.7			
15	13.7	21.5	35.6	41.6	136.9	206.3	101.3	49.6	31.1	22.8	17.6	13.5			
16	13.7	24.3	38.9	41.8	135.6	213.0	96.1	49.2	30.3	22.6	17.5	13.4			
17	13.5	22.5	48.4	42.8	147.9	217.3	90.8	49.2	29.8	22.4	17.3	14.0			
18	13.3	22.7	47.3	44.3	142.5	214.4	87.9	48.4	29.0	22.2	17.2	13.4			
19	13.0	22.7	42.9	48.1	128.6	207.2	85.7	47.5	28.9	22.0	17.0	13.2			
20	12.8	22.2	42.7	48.4	121.6	192.8	84.8	46.5	28.4	21.8	16.8	13.2			
21	12.8	21.2	46.5	49.2	125.4	181.4	83.8	44.0	28.1	21.6	16.7	13.1			
22	12.9	20.3	43.2	48.8	125.8	171.3	80.6	43.0	27.9	21.4	16.5	12.8			
23	13.2	20.0	40.9	46.4	125.4	163.5	77.3	42.6	27.6	21.2	16.3	12.5			
24	13.4	20.7	40.5	45.9	122.1	156.8	75.0	41.7	27.3	20.9	16.1	12.5			
25	13.4	21.0	40.6	46.1	132.9	151.5	72.9	40.5	27.0	20.6	16.0	12.4			
26	13.0	21.2	40.4	46.5	148.7	147.3	70.5	39.7	26.8	20.5	15.7	12.3			
27	12.7	21.5	39.2	46.9	147.3	139.8	68.6	39.0	26.5	20.3	15.5	12.5			
28	12.6	22.0	38.7	49.7	175.2	134.8	68.6	38.3	26.4	20.1	15.4	12.7			
29	12.4	22.8	36.4	53.0		131.9	63.8	37.9	26.3	19.9	15.4	12.8			
30	12.0	22.3	37.0	58.5		131.0	62.1	37.3	26.1	19.8	15.5	12.6			
31	11.6		37.1	64.0		129.9		36.8		19.7	15.6				
MEAN	13.2	18.4	37.2	45.4	124.4	207.7	94.7	47.4	30.6	22.6	17.4	13.8	55.7		
MAX.	14.3	24.3	48.4	64.0	175.2	289.0	128.8	60.8	36.3	25.9	19.5	15.4	289.0		
MIN.	11.6	11.4	22.5	38.9	75.8	129.9	62.1	36.8	26.1	19.7	15.4	12.3	11.4		

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 55.7      Q(185day): 33.3      Q(275day): 17.8      Q(355day): 12.4

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1966/67	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.63	0.54	0.71	1.24	2.53	4.89	5.20	3.85	2.05	1.49	1.21	1.01		
2	0.62	0.54	0.71	1.28	2.47	4.95	5.26	3.77	2.01	1.48	1.20	1.00		
3	0.61	0.54	0.69	1.30	2.39	4.90	5.29	3.70	1.98	1.47	1.19	0.99		
4	0.60	0.53	0.68	1.48	2.36	4.75	5.29	3.92	1.96	1.45	1.19	0.98		
5	0.60	0.53	0.68	1.55	2.33	4.64	5.24	3.51	1.93	1.44	1.18	0.98		
6	0.59	0.55	0.67	1.58	2.33	4.33	5.17	3.42	1.91	1.44	1.16	0.97		
7	0.59	0.57	0.67	1.55	2.39	4.34	5.10	3.32	1.88	1.42	1.15	0.95		
8	0.58	0.53	0.67	1.80	2.37	4.17	5.03	3.26	1.86	1.41	1.15	0.93		
9	0.58	0.53	0.68	1.77	2.30	3.95	4.97	3.16	1.84	1.40	1.14	0.92		
10	0.57	0.63	0.69	1.82	2.53	3.82	4.92	3.08	1.83	1.38	1.13	0.91		
11	0.56	0.58	0.72	1.91	2.62	3.72	4.86	3.02	1.81	1.37	1.13	0.89		
12	0.55	0.62	0.80	2.07	2.58	3.66	4.81	3.24	1.78	1.36	1.12	0.88		
13	0.55	0.64	0.84	2.08	2.39	3.70	4.75	2.88	1.77	1.35	1.12	0.87		
14	0.55	0.67	0.92	1.97	2.33	3.64	4.72	2.82	1.75	1.34	1.11	0.86		
15	0.55	0.64	1.01	2.08	2.31	3.59	4.67	2.75	1.76	1.32	1.10	0.85		
16	0.54	0.62	1.05	2.03	2.46	3.61	4.64	2.69	1.77	1.32	1.10	0.84		
17	0.53	0.60	1.23	2.00	2.69	3.57	4.63	2.63	1.75	1.31	1.10	0.84		
18	0.54	0.58	1.32	2.04	3.03	4.12	4.60	2.58	1.72	1.31	1.09	0.84		
19	0.54	0.58	1.29	2.02	3.02	4.39	4.52	2.52	1.70	1.30	1.09	0.85		
20	0.53	0.58	1.44	2.00	3.01	4.61	4.44	2.46	1.68	1.29	1.07	0.85		
21	0.55	0.59	1.41	1.98	3.14	4.74	4.38	2.41	1.67	1.28	1.05	0.84		
22	0.54	0.63	1.52	2.01	3.45	5.02	4.33	2.36	1.64	1.26	1.05	0.84		
23	0.55	0.67	1.37	2.01	3.61	5.26	4.34	2.32	1.63	1.26	1.04	0.82		
24	0.55	0.70	1.32	2.00	3.58	5.29	4.31	2.27	1.60	1.25	1.04	0.81		
25	0.56	0.73	1.35	1.97	3.76	5.15	4.28	2.24	1.58	1.24	1.03	0.82		
26	0.56	0.73	1.35	2.05	4.03	4.94	4.18	2.20	1.57	1.23	1.02	0.82		
27	0.58	0.72	1.30	2.43	4.25	4.84	4.13	2.19	1.54	1.23	1.02	0.84		
28	0.57	0.71	1.31	2.69	4.61	4.93	4.07	2.15	1.53	1.23	1.01	0.83		
29	0.56	0.71	1.30	2.76		5.01	4.06	2.12	1.52	1.23	1.01	0.82		
30	0.55	0.70	1.30	2.58		5.03	3.93	2.10	1.50	1.22	1.01	0.81		
31	0.55		1.27	2.51		5.08		2.07		1.22	1.01			
MEAN	0.57	0.62	1.04	1.95	2.89	4.47	4.67	2.81	1.75	1.33	1.10	0.88	2.00	
MAX.	0.63	0.73	1.52	2.76	4.61	5.29	5.29	3.92	2.05	1.49	1.21	1.01	5.29	
MIN.	0.53	0.53	0.67	1.24	2.30	3.57	3.93	2.07	1.50	1.22	1.01	0.81	0.53	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1966/67	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	12.5	10.7	14.0	26.7	74.6	224.9	251.0	148.7	54.1	34.2	25.8	20.6		
2	12.3	10.7	13.9	27.7	71.9	229.8	256.2	143.9	52.6	33.8	25.6	20.4		
3	12.1	10.7	13.7	28.3	68.5	226.3	258.6	139.2	51.4	33.5	25.4	20.2		
4	11.8	10.6	13.4	33.9	67.1	214.2	259.1	153.3	50.5	33.0	25.2	20.0		
5	11.8	10.6	13.3	36.0	65.8	205.3	254.4	127.6	49.2	32.7	24.9	19.9		
6	11.7	10.8	13.2	37.1	65.6	182.5	248.4	121.9	48.4	32.4	24.6	19.7		
7	11.6	11.2	13.2	36.1	68.3	183.1	242.2	116.2	47.4	31.9	24.3	19.3		
8	11.5	10.6	13.2	44.5	67.2	170.5	236.3	112.5	46.7	31.6	24.1	18.7		
9	11.4	10.5	13.4	43.6	64.2	155.8	231.6	107.2	45.9	31.3	24.0	18.5		
10	11.3	12.5	13.6	45.3	74.6	146.7	227.6	102.6	45.5	30.8	23.8	18.2		
11	11.1	11.5	14.2	48.4	79.2	140.2	222.7	99.2	44.8	30.5	23.7	17.8		
12	11.0	12.2	15.9	54.9	76.9	136.5	219.0	111.3	44.0	30.0	23.5	17.6		
13	11.0	12.6	16.6	55.4	68.3	139.4	214.4	91.8	43.4	29.8	23.4	17.3		
14	10.8	13.2	18.5	51.0	65.8	135.6	211.3	88.7	42.8	29.4	23.2	17.1		
15	10.8	12.6	20.7	55.0	65.0	132.5	207.9	85.3	43.1	29.0	23.0	16.9		
16	10.8	12.2	21.6	53.2	71.3	133.3	205.1	82.1	43.5	29.0	22.9	16.8		
17	10.6	11.8	26.5	52.0	82.6	131.0	204.9	79.5	42.8	28.8	23.0	16.8		
18	10.8	11.5	29.0	53.5	99.7	167.5	202.3	76.9	41.7	28.8	22.8	16.7		
19	10.7	11.5	28.0	53.0	99.5	186.5	196.0	74.1	41.0	28.5	22.5	16.9		
20	10.6	11.5	32.5	51.9	98.8	203.0	190.3	71.5	40.3	28.2	22.2	16.9		
21	10.8	11.7	31.6	51.4	106.0	213.4	185.8	69.1	39.9	27.7	21.7	16.7		
22	10.8	12.4	35.2	52.3	123.8	236.1	181.8	66.8	39.1	27.3	21.5	16.6		
23	10.8	13.2	30.6	52.6	133.6	256.5	182.7	65.2	38.7	27.1	21.5	16.3		
24	10.9	13.7	29.0	52.0	131.9	259.1	180.9	63.3	37.8	27.0	21.4	16.1		
25	11.1	14.5	29.8	51.0	142.9	246.3	178.3	61.8	37.2	26.8	21.2	16.2		
26	11.1	14.4	29.8	54.2	160.7	229.3	171.3	60.2	36.6	26.5	20.9	16.2		
27	11.4	14.2	28.5	70.0	176.5	221.2	167.7	59.5	35.8	26.4	20.9	16.7		
28	11.3	14.0	28.8	82.1	203.0	228.6	163.7	58.1	35.5	26.3	20.8	16.4		
29	11.1	13.9	28.4	85.6		235.1	162.8	56.9	35.0	26.3	20.6	16.3		
30	11.0	13.8	28.3	77.0		236.6	154.1	56.0	34.5	26.1	20.6	16.1		
31	10.9		27.5	74.0		240.7		54.9		26.0	20.6			
MEAN	11.2	12.2	22.1	51.3	95.5	195.1	208.9	90.5	43.0	29.4	22.9	17.7	66.4	
MAX.	12.5	14.5	35.2	85.6	203.0	259.1	259.1	153.3	54.1	34.2	25.8	20.6	259.1	
MIN.	10.6	10.5	13.2	26.7	64.2	131.0	154.1	54.9	34.5	26.0	20.6	16.1	10.5	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$   
 [Flow Regime (m3/s)]:  
 Q(95day): 76.9      Q(185day): 32.5      Q(275day): 17.1      Q(355day): 10.8



<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO													YEAR : 1967/68	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.82	1.21	1.31	2.08	4.62	3.35	3.40	2.44	1.62	1.37	1.16	0.93			
2	0.84	1.09	1.44	2.10	4.48	3.45	3.38	2.39	1.61	1.35	1.15	0.92			
3	0.85	1.13	1.48	2.13	4.27	3.45	3.33	2.33	1.59	1.35	1.14	0.93			
4	0.84	1.13	1.56	2.27	4.07	3.45	3.29	2.28	1.58	1.35	1.13	0.94			
5	0.83	1.22	1.76	2.25	3.97	3.47	3.24	2.24	1.57	1.34	1.12	0.95			
6	0.83	1.18	1.90	2.27	3.85	3.54	3.21	2.19	1.56	1.33	1.11	0.93			
7	0.83	1.17	1.83	2.68	3.78	3.72	3.14	2.15	1.55	1.32	1.11	0.91			
8	0.82	1.14	1.86	2.68	3.74	3.78	3.12	2.12	1.54	1.31	1.11	0.91			
9	0.82	1.11	1.94	2.50	3.80	3.84	3.08	2.08	1.53	1.30	1.11	0.89			
10	0.83	1.10	1.93	2.39	3.83	3.90	3.01	2.04	1.52	1.29	1.09	0.89			
11	0.83	1.09	1.95	2.53	3.84	4.19	3.00	2.01	1.51	1.28	1.09	0.89			
12	0.82	1.11	1.86	3.08	3.95	4.58	2.97	1.97	1.49	1.27	1.08	0.88			
13	0.80	1.16	1.81	3.11	4.32	4.78	2.94	1.94	1.47	1.25	1.07	0.87			
14	0.80	1.15	1.80	3.08	4.50	4.99	2.90	1.92	1.44	1.24	1.07	0.86			
15	0.79	1.15	1.81	3.21	4.31	5.19	2.85	1.89	1.43	1.23	1.07	0.85			
16	0.77	1.17	2.03	3.41	4.18	5.28	2.82	1.87	1.42	1.23	1.05	0.84			
17	0.76	1.18	2.09	3.45	4.09	5.27	2.78	1.85	1.41	1.22	1.05	0.84			
18	0.76	1.12	1.85	3.76	4.05	5.16	2.75	1.82	1.38	1.22	1.02	0.83			
19	0.75	1.13	1.80	4.00	4.01	4.97	2.73	1.80	1.38	1.22	1.01	0.82			
20	0.75	1.21	1.76	4.12	3.97	4.72	2.45	1.78	1.39	1.21	1.01	0.81			
21	0.74	1.20	1.75	4.15	3.90	4.48	2.80	1.76	1.38	1.21	1.00	0.80			
22	0.73	1.25	1.71	4.15	3.78	4.27	2.86	1.75	1.38	1.21	1.00	0.79			
23	0.72	1.45	1.74	4.21	3.69	4.08	2.78	1.73	1.38	1.20	0.99	0.78			
24	0.71	1.55	1.77	4.43	3.58	3.92	2.75	1.72	1.37	1.19	0.98	0.77			
25	0.71	1.45	1.73	4.62	3.52	3.77	2.71	1.70	1.36	1.19	0.98	0.77			
26	0.73	1.41	1.73	4.83	3.49	3.67	2.68	1.69	1.36	1.19	0.97	0.76			
27	0.78	1.24	1.76	5.10	3.46	3.60	2.63	1.68	1.36	1.19	0.97	0.74			
28	0.81	1.21	1.80	5.26	3.39	3.55	2.60	1.67	1.35	1.19	0.97	0.73			
29	0.80	1.18	1.83	5.21	3.33	3.52	2.56	1.66	1.35	1.18	0.96	0.71			
30	0.82	1.18	2.06	5.03		3.48	2.49	1.66	1.36	1.18	0.95	0.70			
31	1.01		2.07	4.76		3.45		1.64		1.16	0.94				
MEAN	0.80	1.20	1.80	3.51	3.92	4.09	2.91	1.93	1.46	1.25	1.05	0.84	2.05		
MAX.	1.01	1.55	2.09	5.26	4.62	5.28	3.40	2.44	1.62	1.37	1.16	0.95	5.28		
MIN.	0.71	1.09	1.31	2.08	3.33	3.35	2.45	1.64	1.35	1.16	0.94	0.70	0.70		

*QM*	ST.: 4-200 MPATAMATO													YEAR : 1967/68	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	16.3	25.9	28.6	55.2	203.7	117.6	121.0	70.5	38.4	30.4	24.4	18.7			
2	16.6	22.6	32.4	56.0	193.3	123.8	119.4	68.3	38.0	29.8	24.2	18.6			
3	16.9	23.8	33.9	57.4	177.6	123.6	116.4	65.6	37.5	29.8	24.0	18.7			
4	16.7	23.8	36.5	63.0	163.9	123.9	114.4	63.6	37.1	29.8	23.7	18.9			
5	16.5	26.1	43.2	62.2	157.0	125.2	111.6	61.7	36.7	29.6	23.4	19.2			
6	16.4	25.0	48.2	63.3	149.1	129.1	109.6	59.8	36.3	29.2	23.3	18.7			
7	16.4	24.8	45.7	81.7	144.3	140.2	106.0	58.0	36.0	28.9	23.3	18.4			
8	16.3	24.0	46.6	82.0	141.7	144.5	104.6	56.6	35.7	28.7	23.2	18.2			
9	16.2	23.1	49.9	73.3	145.7	148.5	102.3	55.2	35.3	29.4	23.1	17.8			
10	16.4	23.0	49.5	68.3	147.5	152.1	99.0	53.6	35.0	28.0	22.7	17.8			
11	16.5	22.7	50.3	74.8	148.5	172.2	98.0	52.3	34.6	27.7	22.5	17.8			
12	16.3	23.2	46.8	102.5	155.8	200.9	96.7	50.9	34.2	27.5	22.4	17.6			
13	15.9	24.5	44.9	104.3	181.4	216.1	95.1	49.9	33.4	27.0	22.2	17.3			
14	15.8	24.2	44.5	102.8	194.9	233.3	92.9	49.0	32.7	26.8	22.2	17.1			
15	15.5	24.2	44.8	109.7	180.5	249.9	90.5	48.0	32.3	26.4	22.1	16.9			
16	15.2	24.9	53.2	121.4	171.3	258.0	88.7	47.1	31.9	26.3	21.8	16.8			
17	15.0	25.1	55.5	123.9	164.9	257.0	86.8	46.3	31.7	26.2	21.5	16.7			
18	15.0	23.5	46.4	142.9	162.6	247.3	85.3	45.3	30.8	26.1	21.0	16.5			
19	14.8	23.7	44.7	159.1	159.7	231.3	84.2	44.4	30.7	26.0	20.8	16.2			
20	14.8	25.8	43.3	167.5	156.8	211.8	70.9	43.8	31.0	25.9	20.6	16.0			
21	14.7	25.7	42.8	169.2	152.5	193.3	87.6	43.2	30.8	25.9	20.5	15.9			
22	14.3	26.9	41.3	169.6	144.1	177.8	90.7	42.7	30.7	25.8	20.3	15.7			
23	14.1	33.0	42.6	173.5	138.4	164.1	87.0	41.9	30.7	25.6	20.2	15.4			
24	14.0	36.0	43.4	189.6	131.4	153.3	85.4	41.6	30.6	25.4	20.0	15.2			
25	14.0	33.0	41.9	204.2	128.0	143.5	83.3	41.1	30.2	25.3	19.9	15.1			
26	14.3	31.6	42.0	220.2	126.0	137.5	81.8	40.5	30.2	25.2	19.7	14.9			
27	15.4	26.7	43.1	242.7	124.3	133.1	79.6	40.3	30.0	25.2	19.6	14.6			
28	16.1	25.9	44.5	255.9	120.1	129.7	77.9	40.0	29.8	25.2	19.6	14.3			
29	15.9	25.1	45.6	251.8	116.6	127.8	76.0	39.8	29.8	25.1	19.5	14.0			
30	16.2	25.0	54.3	236.6		125.8	72.9	39.5	30.2	25.0	19.3	13.8			
31	20.6		54.7	215.1		123.8		38.9		24.6	19.1				
MEAN	15.8	25.8	44.7	135.5	154.5	168.3	93.9	49.7	33.1	27.0	21.6	16.8	65.3		
MAX.	20.6	36.0	55.5	255.9	203.7	258.0	121.0	70.5	38.4	30.4	24.4	19.2	258.0		
MIN.	14.0	22.6	28.6	55.2	116.6	117.6	70.9	38.9	29.8	24.6	19.1	13.8	13.8		

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 90.7      Q(185day): 36.5      Q(275day): 23.3      Q(355day): 14.8

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1968/69	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.70	0.54	1.13	3.84	6.16	6.37	6.88	5.00	3.35	2.47	2.02	1.62		
2	0.69	0.53	1.19	4.07	6.31	6.33	6.87	4.97	3.29	2.45	2.01	1.61		
3	0.69	0.52	1.23	4.20	6.45	6.30	6.96	4.97	3.25	2.44	2.00	1.58		
4	0.69	0.53	1.29	4.47	6.51	6.32	6.93	5.00	3.21	2.42	1.99	1.57		
5	0.69	0.56	1.40	4.90	6.67	6.35	6.80	5.05	3.16	2.40	1.98	1.55		
6	0.69	0.59	1.42	4.86	7.01	6.39	6.76	5.00	3.11	2.38	1.97	1.53		
7	0.68	0.61	1.33	4.71	7.19	6.40	6.87	4.94	3.08	2.36	1.96	1.51		
8	0.67	0.60	1.33	4.57	7.43	6.46	6.84	4.85	3.05	2.34	1.94	1.48		
9	0.67	0.59	1.25	4.38	7.46	6.50	6.67	4.79	3.02	2.32	1.93	1.46		
10	0.66	0.58	1.25	4.22	7.44	6.47	6.57	4.67	2.97	2.30	1.91	1.44		
11	0.67	0.56	1.28	4.17	7.39	6.32	6.50	4.58	2.94	2.29	1.89	1.42		
12	0.66	0.57	1.36	4.05	7.28	6.19	6.43	4.51	2.91	2.27	1.88	1.40		
13	0.66	0.62	1.40	4.04	7.17	6.28	6.38	4.43	2.87	2.26	1.86	1.38		
14	0.66	0.68	1.64	4.04	7.03	6.31	6.35	4.36	2.84	2.24	1.85	1.36		
15	0.65	0.85	1.76	4.09	7.02	6.19	6.26	4.31	2.81	2.23	1.83	1.35		
16	0.65	0.97	2.20	4.16	7.14	6.17	6.18	4.25	2.78	2.22	1.83	1.34		
17	0.65	1.04	2.80	4.26	7.22	6.37	6.07	4.20	2.76	2.20	1.81	1.32		
18	0.64	1.06	2.97	4.28	7.29	6.50	6.01	4.15	3.03	2.18	1.80	1.31		
19	0.64	1.05	2.87	4.28	7.26	7.15	5.94	4.10	2.69	2.17	1.79	1.31		
20	0.64	1.02	3.29	4.31	7.24	7.23	5.92	4.06	2.66	2.16	1.78	1.30		
21	0.64	1.02	3.11	4.36	7.17	7.04	5.86	4.00	2.63	2.15	1.77	1.28		
22	0.63	1.04	3.05	4.50	7.07	7.03	5.83	3.93	2.61	2.13	1.77	1.26		
23	0.63	1.07	2.95	5.11	6.90	7.11	5.74	3.87	2.59	2.13	1.76	1.26		
24	0.62	1.05	3.01	5.12	6.78	7.04	5.62	3.82	2.57	2.11	1.73	1.25		
25	0.61	1.02	3.01	5.26	6.64	6.89	5.50	3.76	2.56	2.10	1.72	1.24		
26	0.59	1.01	3.01	5.56	6.53	6.86	5.41	3.68	2.54	2.08	1.71	1.23		
27	0.59	1.01	3.14	5.93	6.46	6.61	5.33	3.62	2.53	2.07	1.70	1.21		
28	0.58	1.07	3.27	6.18	6.37	6.70	5.26	3.56	2.51	2.06	1.69	1.20		
29	0.56	1.10	3.26	6.18		7.05	5.19	3.50	2.50	2.05	1.68	1.19		
30	0.56	1.09	3.22	6.18		7.12	5.07	3.45	2.48	2.04	1.66	1.19		
31	0.55		3.58	6.17		6.99		3.40		2.03	1.69			
MEAN	0.64	0.82	2.22	4.72	6.95	6.61	6.17	4.28	2.84	2.23	1.83	1.37	3.37	
MAX.	0.70	1.10	3.58	6.18	7.46	7.23	6.96	5.05	3.35	2.47	2.02	1.62	7.46	
MIN.	0.55	0.52	1.13	3.84	6.16	6.17	5.07	3.40	2.48	2.03	1.66	1.19	0.52	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1968/69	[DISCHARGE (m <sup>3</sup> /sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	13.7	10.7	23.7	148.1	339.4	360.6	414.9	234.6	118.0	71.8	52.7	38.4		
2	13.7	10.5	25.3	163.9	355.0	356.6	413.9	231.6	114.6	71.1	52.3	37.9		
3	13.5	10.4	26.4	173.0	369.1	353.5	424.0	231.8	112.0	70.4	51.9	37.1		
4	13.5	10.6	28.0	192.8	375.4	355.3	421.0	234.3	109.6	69.7	51.7	36.7		
5	13.5	11.1	31.2	226.3	391.8	359.0	406.6	238.4	107.0	68.9	51.4	36.0		
6	13.5	11.6	31.9	222.4	429.8	363.4	402.3	234.6	104.1	67.8	51.0	35.5		
7	13.4	12.0	29.3	211.0	449.4	364.4	413.9	229.6	102.8	66.8	50.4	34.6		
8	13.1	11.8	29.2	200.2	477.7	370.0	410.6	221.9	101.1	66.2	49.8	33.7		
9	13.1	11.6	27.0	185.6	481.3	374.5	392.2	216.8	99.2	65.1	49.2	33.2		
10	13.1	11.5	27.0	174.3	478.5	371.3	381.8	207.7	96.6	64.2	48.5	32.4		
11	13.2	11.2	27.8	170.9	473.1	355.6	373.8	200.9	95.1	63.8	47.9	31.9		
12	13.1	11.3	30.0	162.4	460.0	342.7	366.9	195.8	93.4	63.3	47.4	31.3		
13	12.9	12.2	31.2	161.8	447.0	352.2	361.5	189.9	91.5	62.5	46.7	30.7		
14	12.9	13.4	39.1	161.4	431.2	355.0	358.7	184.7	89.9	61.9	46.3	30.2		
15	12.8	16.9	43.0	164.9	430.1	342.7	350.1	180.5	88.2	61.3	45.8	29.8		
16	12.8	19.6	60.0	169.8	443.9	340.6	342.1	176.5	86.7	60.8	45.5	29.5		
17	12.7	21.5	87.7	177.2	453.3	360.6	331.3	173.0	85.7	60.0	44.9	28.9		
18	12.6	21.8	96.4	178.7	461.4	373.8	325.0	169.0	100.0	59.4	44.5	28.7		
19	12.5	21.5	91.6	178.5	458.2	444.9	318.2	165.6	82.1	58.8	44.1	28.7		
20	12.6	21.0	114.6	180.7	455.4	454.7	316.2	163.2	80.9	58.4	43.7	28.4		
21	12.5	20.9	104.0	184.0	447.4	433.2	310.1	159.1	79.5	57.9	43.6	27.8		
22	12.4	21.4	100.8	194.9	436.3	431.5	307.5	154.3	78.3	57.4	43.4	27.4		
23	12.4	22.1	95.4	243.5	417.6	441.1	299.5	150.1	77.4	57.1	43.0	27.1		
24	12.2	21.8	98.7	244.0	404.0	432.9	288.5	146.7	76.7	56.5	42.1	27.0		
25	12.0	20.9	99.0	255.9	388.9	415.6	277.7	143.3	76.3	55.9	41.7	26.7		
26	11.7	20.6	98.7	282.6	378.0	412.6	269.5	137.9	75.3	55.4	41.3	26.3		
27	11.7	20.7	105.7	317.6	369.7	385.7	262.0	134.2	74.7	54.9	41.1	25.9		
28	11.5	22.2	113.0	341.8	361.2	395.7	256.5	130.6	73.7	54.4	40.5	25.7		
29	11.2	22.9	112.7	341.5		433.9	249.9	126.5	73.3	53.8	40.2	25.3		
30	11.1	22.6	110.3	342.1		441.8	240.4	123.6	72.5	53.6	39.6	25.3		
31	11.0		131.6	340.9		426.7		121.0		53.1	40.5			
MEAN	12.6	16.6	66.8	215.9	423.7	387.2	342.9	180.9	90.5	61.4	45.9	30.6	154.4	
MAX.	13.7	22.9	131.6	342.1	481.3	454.7	424.0	238.4	118.0	71.8	52.7	38.4	481.3	
MIN.	11.0	10.4	23.7	148.1	339.4	340.6	240.4	121.0	72.5	53.1	39.6	25.3	10.4	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m<sup>3</sup>/s)]:

Q(95day): 249.9      Q(185day): 82.1      Q(275day): 31.2      Q(355day): 11.5

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1969/70											[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.19	1.48	1.24	4.04	4.70	5.22	3.65	2.56	1.84	1.49	1.25	1.01		
2	1.18	1.41	1.22	4.05	4.85	5.34	3.62	2.51	2.12	1.48	1.24	1.00		
3	1.16	1.41	1.23	3.84	5.02	5.50	3.58	2.48	1.81	1.47	1.24	0.99		
4	1.15	1.38	1.24	4.01	5.16	5.55	3.54	2.45	1.80	1.45	1.23	0.98		
5	1.12	1.34	1.25	4.18	5.54	5.46	3.47	2.42	1.79	1.44	1.23	0.97		
6	1.11	1.31	1.40	4.27	5.92	5.34	3.44	2.38	1.77	1.43	1.22	0.95		
7	1.10	1.27	1.47	4.37	5.95	5.23	3.39	2.34	1.76	1.42	1.22	0.94		
8	1.09	1.24	1.53	4.44	5.93	5.12	3.49	2.32	1.75	1.42	1.22	0.92		
9	1.07	1.21	1.54	4.44	5.89	5.00	3.29	2.28	1.74	1.42	1.21	0.92		
10	1.06	1.17	1.57	4.39	3.06	4.96	3.22	2.25	1.73	1.41	1.20	0.91		
11	1.05	1.12	1.58	4.07	5.78	5.00	3.19	2.23	1.72	1.41	1.19	0.89		
12	1.04	1.10	1.67	3.89	5.86	4.93	3.15	2.20	1.70	1.40	1.19	0.88		
13	1.03	1.16	1.73	3.73	5.90	4.83	3.11	2.18	1.69	1.39	1.17	0.87		
14	1.03	1.25	1.98	3.64	5.85	4.79	3.07	2.15	1.67	1.38	1.16	0.86		
15	1.03	1.38	2.11	3.58	5.82	4.75	3.09	2.13	1.66	1.38	1.15	0.85		
16	1.02	1.47	2.16	3.63	5.82	4.72	3.05	2.11	1.66	1.37	1.14	0.84		
17	1.01	1.40	2.16	3.51	5.81	4.65	3.04	2.09	1.65	1.36	1.14	0.83		
18	1.00	1.37	2.37	3.65	5.83	4.61	3.04	2.07	1.63	1.35	1.13	0.82		
19	0.99	1.35	2.73	3.78	5.88	4.51	3.08	2.05	1.62	1.34	1.12	0.80		
20	1.09	1.33	3.07	3.81	5.89	4.42	3.05	2.04	1.60	1.34	1.12	0.80		
21	1.12	1.31	2.98	3.84	5.82	4.35	3.02	2.02	1.59	1.34	1.11	0.79		
22	1.11	1.26	3.10	4.02	5.68	4.26	2.97	2.01	1.58	1.33	1.10	0.78		
23	1.07	1.28	3.04	4.25	5.50	4.22	2.94	1.99	1.57	1.32	1.09	0.78		
24	1.05	1.32	3.13	4.44	5.38	4.14	2.89	1.97	1.55	1.31	1.09	0.77		
25	1.02	1.36	3.51	4.58	5.24	4.03	2.85	1.95	1.54	1.31	1.09	0.77		
26	1.05	1.32	3.73	4.56	5.13	3.97	2.79	1.94	1.53	1.30	1.08	0.76		
27	1.09	1.29	3.79	4.45	5.08	3.90	2.76	1.92	1.52	1.30	1.07	0.75		
28	1.11	1.27	3.76	4.40	5.13	3.86	2.72	1.90	1.51	1.29	1.06	0.74		
29	1.22	1.26	3.69	4.43		3.81	2.65	1.88	1.51	1.28	1.05	0.72		
30	1.26	1.26	3.75	4.51		3.76	2.61	1.87	1.50	1.27	1.04	0.71		
31	1.44		3.89	4.58		3.70		1.87		1.26	1.02			
MEAN	1.10	1.30	2.37	4.11	5.48	4.64	3.13	2.15	1.67	1.38	1.15	0.85	2.43	
MAX.	1.44	1.48	3.89	4.58	5.95	5.55	3.65	2.56	2.12	1.69	1.25	1.01	5.95	
MIN.	0.99	1.10	1.22	3.51	3.06	3.70	2.61	1.87	1.50	1.26	1.02	0.71	0.71	

*QM* ST.: 4-200 MPATAMATO		YEAR : 1969/70											[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	25.2	33.8	26.6	161.8	210.1	252.3	136.3	76.1	45.9	34.0	27.0	20.7		
2	25.0	31.6	26.0	162.4	222.2	263.4	134.0	73.9	57.0	33.6	26.8	20.3		
3	24.6	31.5	26.4	148.5	235.6	277.4	131.4	72.5	44.9	33.4	26.6	20.2		
4	24.2	30.8	26.6	159.7	247.9	281.5	128.9	70.9	44.6	33.0	26.4	20.0		
5	23.6	29.7	26.9	171.5	281.3	273.6	125.2	69.5	44.2	32.5	26.3	19.6		
6	23.3	28.6	31.2	177.6	316.2	262.8	122.9	67.8	43.6	32.1	26.2	19.2		
7	23.0	27.6	33.4	184.9	319.4	253.8	120.3	66.3	43.2	31.9	26.1	18.9		
8	22.5	26.7	35.4	190.1	317.1	244.0	126.3	65.1	42.9	31.9	26.0	18.6		
9	22.2	25.9	35.6	190.3	313.8	234.3	114.3	63.6	42.4	31.9	25.8	18.5		
10	21.9	24.9	36.8	186.7	101.5	230.8	110.3	62.3	42.1	31.7	25.6	18.2		
11	21.5	23.6	37.0	163.5	302.9	233.8	108.5	61.4	41.6	31.5	25.4	17.9		
12	21.4	22.9	40.0	151.5	310.9	228.8	106.3	60.3	41.0	31.2	25.2	17.6		
13	21.2	24.4	42.2	141.0	314.1	220.7	104.3	59.4	40.6	30.7	24.9	17.3		
14	21.2	26.9	51.4	135.4	309.2	216.8	101.8	58.3	40.1	30.7	24.5	17.1		
15	21.2	30.8	58.3	131.9	306.9	214.4	103.0	57.3	39.6	30.7	24.2	16.9		
16	20.9	33.5	58.4	128.6	306.3	211.8	101.1	56.3	39.6	30.3	24.1	16.6		
17	20.6	31.4	58.5	127.6	305.5	206.5	100.3	55.5	39.2	30.0	23.9	16.4		
18	20.4	30.3	67.5	135.7	307.5	202.8	100.1	54.7	38.6	29.8	23.7	16.2		
19	20.3	29.8	84.2	144.5	312.7	195.6	102.6	54.2	38.4	29.7	23.6	15.9		
20	22.6	29.3	101.8	146.5	313.6	188.7	101.1	53.7	37.8	29.5	23.3	15.7		
21	23.4	28.6	97.2	148.3	306.6	183.4	99.2	53.0	37.4	29.4	23.2	15.6		
22	23.3	27.2	103.8	160.5	293.5	177.4	96.9	52.5	37.0	29.2	22.9	15.5		
23	22.2	27.7	100.3	176.1	276.9	174.3	95.0	51.8	36.6	29.0	22.8	15.4		
24	21.7	28.9	105.5	190.6	266.3	168.3	92.4	50.7	36.2	28.8	22.7	15.3		
25	20.9	30.1	127.5	201.1	254.4	160.9	90.4	50.2	35.7	28.6	22.5	15.1		
26	21.5	29.0	141.4	199.5	245.0	157.0	87.4	49.6	35.4	28.4	22.4	15.0		
27	22.5	28.0	145.1	191.2	240.7	152.3	85.7	49.1	35.1	28.3	22.2	14.8		
28	23.1	27.6	142.7	186.9	245.0	149.5	83.9	48.3	34.8	28.2	21.8	14.7		
29	26.0	27.1	138.8	189.4		146.3	80.5	47.6	34.6	27.9	21.6	14.2		
30	27.1	27.1	142.5	195.8		142.7	78.3	46.9	34.3	27.6	21.3	14.0		
31	32.7		151.3	201.1		139.4		46.9		27.2	20.9			
MEAN	23.0	28.5	74.1	167.1	278.0	207.9	105.6	58.2	40.1	30.7	24.2	17.0	86.8	
MAX.	32.7	33.8	151.3	201.1	319.4	281.5	136.3	76.1	57.0	40.7	27.0	20.7	319.4	
MIN.	20.3	22.9	26.0	127.6	101.5	139.4	78.3	46.9	34.3	27.2	20.9	14.0	14.0	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 131.9      Q(185day): 40.1      Q(275day): 26.2      Q(355day): 15.7

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1970/71	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.71	0.67	2.31	4.47	6.14	6.44	5.33	3.59	2.50	2.00	1.71	1.31		
2	0.70	0.66	2.43	4.54	6.31	6.56	5.26	3.51	2.47	1.98	1.70	1.30		
3	0.73	0.63	2.43	4.58	6.37	6.35	5.15	3.49	2.44	1.97	1.69	1.27		
4	0.79	0.62	2.52	4.63	6.48	6.26	5.02	3.45	2.42	1.96	1.68	1.27		
5	0.75	0.62	2.55	4.61	6.58	6.23	4.97	3.39	2.40	1.95	1.66	1.25		
6	0.74	0.66	2.83	4.82	6.74	6.27	4.95	3.35	2.38	1.94	1.65	1.24		
7	0.73	0.72	3.00	5.26	6.69	6.32	4.89	3.30	2.36	1.91	1.64	1.23		
8	0.70	0.76	3.04	5.72	6.55	6.36	4.86	3.25	2.34	1.90	1.62	1.23		
9	0.71	0.79	3.04	5.97	6.41	6.41	4.82	3.20	2.32	1.89	1.60	1.23		
10	0.69	0.80	3.10	6.11	6.34	6.49	4.76	3.17	2.30	1.89	1.59	1.23		
11	0.69	0.85	2.98	6.15	6.22	6.55	4.68	3.14	2.27	1.87	1.58	1.23		
12	0.68	0.94	2.93	6.08	6.17	6.50	4.64	3.10	2.25	1.86	1.56	1.23		
13	0.66	1.01	2.89	5.92	6.22	6.40	4.57	3.07	2.23	1.87	1.56	1.23		
14	0.67	1.31	2.94	5.77	6.19	6.36	4.48	3.03	2.22	1.88	1.53	1.24		
15	0.67	1.27	2.92	5.64	6.16	6.49	4.45	2.98	2.20	1.87	1.51	1.22		
16	0.67	1.28	2.83	5.50	6.16	6.69	4.38	2.94	2.19	1.86	1.50	1.20		
17	0.67	1.14	2.77	5.37	6.16	6.40	4.33	2.94	2.17	1.85	1.49	1.19		
18	0.67	1.07	2.87	5.36	6.18	6.61	4.27	2.93	2.16	1.84	1.48	1.18		
19	0.66	1.04	3.53	5.42	6.20	6.50	4.23	2.90	2.15	1.84	1.46	1.16		
20	0.66	1.02	4.23	5.40	6.19	6.41	4.18	2.86	2.13	1.83	1.45	1.15		
21	0.65	0.98	3.90	5.51	6.22	6.34	4.13	2.84	2.12	1.82	1.44	1.14		
22	0.63	1.08	3.94	5.68	6.24	6.27	4.06	2.80	2.10	1.81	1.44	1.14		
23	0.62	1.67	4.15	5.88	6.25	6.18	4.01	2.78	2.09	1.80	1.42	1.13		
24	0.63	1.89	4.29	6.12	6.33	6.05	3.96	2.75	2.07	1.79	1.41	1.12		
25	0.63	1.93	4.19	6.21	6.42	5.98	3.89	2.72	2.06	1.78	1.40	1.12		
26	0.64	1.73	4.04	6.18	6.40	5.87	3.84	2.70	2.05	1.77	1.38	1.10		
27	0.65	1.89	3.97	6.13	6.41	5.75	3.79	2.66	2.04	1.76	1.37	1.09		
28	0.67	1.98	3.98	6.05	6.40	5.70	3.75	2.63	2.03	1.74	1.36	1.08		
29	0.73	2.00	3.96	6.03		5.57	3.70	2.61	2.01	1.74	1.35	1.06		
30	0.69	2.21	3.88	6.10		5.47	3.65	2.56	2.00	1.73	1.34	1.05		
31	0.67		4.18	6.20		5.40		2.54		1.72	1.32			
MEAN	0.68	1.17	3.31	5.59	6.33	6.23	4.43	3.01	2.22	1.85	1.51	1.19	3.11	
MAX.	0.79	2.21	4.29	6.21	6.74	6.69	5.33	3.59	2.50	2.00	1.71	1.31	6.74	
MIN.	0.62	0.62	2.31	4.47	6.14	5.40	3.65	2.54	2.00	1.72	1.32	1.05	0.62	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1970/71	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	13.9	13.2	65.0	192.6	337.6	368.4	262.3	132.3	73.4	51.9	41.5	28.8		
2	13.7	12.9	70.1	197.6	355.0	380.2	256.5	127.1	72.2	51.1	41.1	28.3		
3	14.3	12.5	70.2	200.9	360.9	358.7	246.6	126.3	70.8	50.7	40.5	27.5		
4	15.6	12.2	74.3	204.4	372.6	350.1	235.6	123.6	69.5	50.4	40.2	27.6		
5	14.7	12.1	75.8	202.8	382.8	346.4	232.1	120.3	68.9	50.0	39.8	27.0		
6	14.6	12.9	89.4	220.0	399.7	350.7	230.1	117.6	67.8	49.6	39.3	26.6		
7	14.5	14.1	98.3	255.9	394.4	356.2	225.1	115.1	66.8	48.8	38.9	26.5		
8	13.8	15.0	100.6	297.2	379.6	359.7	222.7	112.2	66.2	48.3	38.2	26.4		
9	14.0	15.6	100.1	321.5	364.7	364.7	219.7	109.4	65.2	48.0	37.8	26.4		
10	13.7	15.9	103.5	334.9	357.8	372.9	214.9	107.3	64.2	47.7	37.3	26.3		
11	13.5	16.9	97.4	338.5	345.8	379.9	208.9	105.8	63.1	47.2	37.0	26.4		
12	13.3	19.1	94.6	332.2	340.9	374.5	205.6	103.5	62.3	46.8	36.5	26.4		
13	13.1	20.6	92.6	316.2	346.1	364.4	199.7	101.8	61.3	47.2	36.3	26.4		
14	13.1	28.8	95.0	302.3	343.0	360.0	193.1	100.0	60.9	47.4	35.5	26.6		
15	13.2	27.6	94.0	289.6	339.4	373.5	191.2	97.4	60.3	47.2	34.8	26.1		
16	13.2	27.7	89.6	277.4	339.7	394.4	185.8	95.3	59.9	46.7	34.4	25.6		
17	13.2	24.0	86.4	265.8	339.7	364.4	181.8	95.1	59.0	46.5	34.2	25.4		
18	13.1	22.1	91.1	265.2	341.8	386.0	177.6	94.3	58.5	46.2	33.8	24.9		
19	13.0	21.4	128.6	270.1	343.9	374.5	175.2	92.7	57.9	46.1	33.3	24.5		
20	12.9	21.0	175.2	268.7	343.0	364.7	171.1	91.0	57.4	45.7	32.8	24.3		
21	12.7	19.8	152.1	278.0	345.8	357.5	167.7	89.7	56.8	45.4	32.5	24.1		
22	12.4	22.4	155.2	293.2	347.6	350.4	163.0	88.0	56.1	45.1	32.4	23.9		
23	12.3	39.9	169.6	312.7	348.8	341.5	159.7	87.0	55.8	44.7	32.0	23.7		
24	12.4	48.0	178.9	335.8	357.2	328.6	156.0	85.4	54.9	44.3	31.6	23.5		
25	12.5	49.3	172.4	345.2	366.2	322.1	151.7	83.8	54.6	44.0	31.4	23.3		
26	12.6	42.1	161.8	341.2	364.4	311.8	148.3	82.7	53.9	43.5	30.7	23.0		
27	12.7	47.9	157.2	336.4	365.0	300.6	144.7	80.9	53.7	43.2	30.5	22.6		
28	13.1	51.2	157.4	329.2	364.4	295.2	142.1	79.6	53.1	42.6	30.2	22.3		
29	14.3	52.0	156.4	327.1		283.5	139.4	78.4	52.4	42.3	29.8	21.8		
30	13.5	60.4	151.1	333.7		275.0	135.7	76.1	52.2	41.9	29.5	21.6		
31	13.2		171.5	343.3		268.4		75.0		41.7	29.0			
MEAN	13.4	26.6	118.6	288.0	356.7	347.7	191.5	99.2	61.0	46.5	34.9	25.3	132.9	
MAX.	15.6	60.4	178.9	345.2	399.7	394.4	262.3	132.3	73.4	51.9	41.5	28.8	399.7	
MIN.	12.3	12.1	65.0	192.6	337.6	268.4	135.7	75.0	52.2	41.7	29.0	21.6	12.1	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 214.9      Q(185day): 69.5      Q(275day): 31.6      Q(355day): 12.9

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1971/72	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.04	0.80	1.20	2.96	3.51	4.13	4.78	3.88	2.51	1.96	1.60	1.27		
2	1.03	0.80	1.18	3.33	3.63	4.18	4.87	3.96	2.48	1.95	1.58	1.27		
3	1.02	0.79	1.29	3.55	3.69	4.19	5.04	3.94	2.46	1.94	1.58	1.26		
4	1.01	0.79	1.33	3.76	3.61	4.15	5.17	3.91	2.41	1.93	1.57	1.26		
5	1.00	0.80	1.37	4.02	3.53	4.30	5.43	3.79	2.38	1.92	1.55	1.25		
6	0.99	0.79	1.67	4.01	3.58	4.51	5.43	3.70	2.36	1.91	1.55	1.25		
7	0.98	0.80	1.56	3.86	3.60	4.75	5.32	3.61	2.34	1.89	1.54	1.25		
8	0.97	0.79	1.76	3.78	3.62	5.02	5.15	3.51	2.31	1.88	1.53	1.25		
9	0.94	0.84	1.69	3.71	3.69	5.11	5.03	3.42	2.29	1.87	1.52	1.23		
10	0.93	0.87	1.58	3.62	3.68	5.20	4.85	3.36	2.26	1.86	1.50	1.21		
11	0.93	0.89	1.54	3.50	3.73	5.29	4.72	3.29	2.24	1.85	1.49	1.19		
12	0.91	0.88	1.53	3.48	3.83	5.35	4.59	3.22	2.23	1.83	1.49	1.17		
13	0.90	0.89	1.59	3.47	3.91	5.37	4.46	3.14	2.22	1.82	1.48	1.16		
14	0.89	0.94	1.59	3.42	3.76	5.35	4.39	3.11	2.19	1.80	1.46	1.14		
15	0.88	1.07	1.56	3.44	3.90	5.18	4.40	3.07	2.18	1.80	1.45	1.13		
16	0.89	1.18	1.74	3.52	3.79	5.14	4.39	3.03	2.16	1.78	1.44	1.12		
17	0.98	1.37	1.86	3.48	3.70	5.12	4.28	2.98	2.15	1.76	1.43	1.10		
18	1.12	1.50	1.97	3.44	3.80	5.12	4.24	2.94	2.13	1.75	1.43	1.09		
19	1.24	1.78	2.14	3.41	3.84	5.12	4.18	2.90	2.12	1.74	1.41	1.08		
20	1.25	1.90	2.26	3.37	3.85	5.09	4.13	2.85	2.04	1.73	1.40	1.07		
21	1.15	1.71	2.29	3.34	3.91	4.98	4.07	2.82	2.08	1.72	1.39	1.06		
22	1.05	1.68	2.51	3.39	4.00	4.87	4.05	2.78	2.07	1.70	1.37	1.05		
23	1.06	1.62	2.67	3.56	3.98	4.70	4.01	2.74	2.05	1.69	1.36	1.04		
24	0.98	1.53	2.85	3.59	3.93	4.61	3.97	2.71	2.04	1.68	1.36	1.03		
25	0.93	1.46	3.10	3.63	3.93	4.54	3.95	2.69	2.03	1.67	1.35	1.02		
26	0.91	1.41	3.08	3.70	3.99	4.52	3.91	2.66	2.01	1.66	1.34	1.01		
27	0.89	1.34	3.01	3.63	3.99	4.51	3.87	2.62	2.00	1.65	1.32	1.00		
28	0.88	1.29	2.87	3.51	4.00	4.54	3.85	2.60	1.98	1.63	1.31	0.98		
29	0.86	1.26	2.90	3.55	4.06	4.54	3.83	2.58	1.98	1.62	1.30	0.97		
30	0.84	1.23	2.90	3.53		4.56	3.82	2.55	1.97	1.61	1.29	0.96		
31	0.82		2.84	3.51		4.57		2.53		1.61	1.28			
MEAN	0.98	1.17	2.05	3.55	3.79	4.79	4.47	3.13	2.19	1.78	1.44	1.13	2.54	
MAX.	1.25	1.90	3.10	4.02	4.06	5.37	5.43	3.96	2.51	1.96	1.60	1.27	5.43	
MIN.	0.82	0.79	1.18	2.96	3.51	4.13	3.82	2.53	1.97	1.61	1.28	0.96	0.79	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1971/72	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	21.4	15.9	25.5	95.9	127.5	167.9	216.1	150.7	73.7	50.6	37.6	27.6		
2	21.2	15.7	25.0	116.4	134.8	171.5	223.4	156.2	72.6	50.3	37.2	27.5		
3	20.9	15.6	28.2	129.9	138.4	172.2	237.6	155.0	71.3	49.9	37.2	27.3		
4	20.6	15.5	29.2	143.1	133.8	169.6	248.1	152.7	69.3	49.3	36.8	27.1		
5	20.4	15.7	30.4	160.3	128.8	180.0	271.1	145.1	68.0	49.1	36.2	27.0		
6	20.3	15.7	40.1	159.9	131.9	195.6	270.9	139.0	66.8	48.7	35.9	26.9		
7	19.8	15.9	36.3	149.9	132.9	213.9	261.8	133.5	66.0	48.0	35.6	27.0		
8	19.6	15.6	43.3	144.1	134.4	235.8	246.3	127.3	64.7	47.6	35.3	26.9		
9	19.0	16.6	40.6	140.0	138.2	243.5	236.9	122.1	63.8	47.1	35.1	26.4		
10	18.7	17.5	37.2	134.2	137.7	251.0	222.2	118.7	62.6	46.6	34.5	25.9		
11	18.7	17.8	35.7	126.7	141.0	258.3	211.5	114.4	61.9	46.3	34.2	25.3		
12	18.4	17.6	35.3	125.4	147.7	263.9	201.6	110.6	61.3	45.6	34.0	24.7		
13	18.1	17.8	37.4	125.2	152.9	265.8	191.9	105.8	60.9	45.4	33.6	24.4		
14	17.8	19.0	37.5	121.8	143.3	263.9	186.7	104.1	59.9	44.7	33.3	24.0		
15	17.7	22.2	36.3	123.4	152.5	248.9	186.9	101.8	59.4	44.4	33.0	23.7		
16	17.8	25.1	42.6	127.8	144.9	245.8	182.5	99.7	58.5	43.7	32.6	23.4		
17	20.0	30.6	46.6	125.8	139.4	244.5	178.5	97.4	58.0	43.3	32.3	22.9		
18	23.6	34.3	51.0	123.0	145.5	244.5	175.7	94.8	57.3	42.9	32.1	22.7		
19	26.7	44.0	57.8	121.4	148.1	244.2	171.5	93.2	56.6	42.4	31.7	22.4		
20	27.0	48.1	62.6	118.9	148.7	241.9	167.7	90.4	53.5	42.1	31.4	22.1		
21	24.3	41.5	63.9	117.1	153.1	232.8	163.9	89.0	55.4	41.6	31.1	22.0		
22	21.8	40.4	73.6	120.0	159.1	223.4	162.6	87.0	54.9	41.2	30.5	21.7		
23	21.9	38.4	81.4	130.2	157.4	209.8	159.5	84.8	54.2	40.6	30.2	21.3		
24	19.8	35.3	90.5	132.3	154.3	203.5	157.2	83.3	53.7	40.2	30.0	21.2		
25	18.7	33.1	103.6	135.0	154.5	198.1	155.4	82.3	53.3	39.9	29.8	20.9		
26	18.3	31.7	102.8	139.0	158.0	196.3	152.7	80.8	52.5	39.7	29.5	20.7		
27	17.9	29.5	98.7	134.6	158.2	195.6	150.5	79.2	51.9	39.3	29.0	20.3		
28	17.6	28.0	91.5	127.6	158.7	197.6	148.9	77.9	51.3	38.8	28.6	20.0		
29	17.1	27.2	92.7	129.7	163.2	198.1	147.7	77.1	51.2	38.3	28.3	19.7		
30	16.7	26.4	92.7	126.8		199.3	147.1	75.8	50.9	38.1	28.0	19.4		
31	16.2		89.9	127.3		200.0		74.7		37.9	27.8			
MEAN	19.9	25.6	56.8	130.2	145.5	218.6	194.5	106.6	59.9	44.0	32.7	23.7	88.0	
MAX.	27.0	48.1	103.6	160.3	163.2	265.8	271.1	156.2	73.7	50.6	37.6	27.6	271.1	
MIN.	16.2	15.5	25.0	95.9	127.5	167.9	147.1	74.7	50.9	37.9	27.8	19.4	15.5	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 138.2      Q(185day): 55.4      Q(275day): 29.8      Q(355day): 17.1

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1972/73											[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N														
1		0.94	0.88	1.04	1.41	1.67	3.51	2.30	1.66	1.11	0.91	0.82	0.67	
2		0.94	0.86	1.05	1.37	1.62	3.59	2.26	1.65	1.10	0.91	0.82	0.66	
3		0.94	0.83	1.06	1.34	1.61	3.61	2.23	1.63	1.08	0.91	0.81	0.66	
4		0.93	0.82	1.06	1.29	1.59	3.40	2.19	1.59	1.07	0.91	0.80	0.66	
5		0.92	0.81	1.06	1.32	1.60	3.19	2.17	1.56	1.07	0.91	0.80	0.66	
6		0.93	0.80	1.04	1.38	1.77	3.04	2.07	1.53	1.06	0.90	0.79	0.66	
7		0.94	0.81	1.07	1.47	1.81	2.97	2.03	1.51	1.04	0.90	0.78	0.65	
8		0.93	0.84	1.10	1.43	1.77	2.98	2.01	1.48	1.04	0.89	0.78	0.64	
9		0.94	0.89	1.18	1.27	1.75	2.94	1.99	1.47	1.03	0.88	0.78	0.63	
10		0.94	0.68	1.25	1.36	1.77	2.96	1.70	1.47	1.02	0.88	0.77	0.63	
11		0.93	1.07	1.26	1.70	1.85	3.18	2.08	1.44	1.01	0.87	0.76	0.62	
12		0.91	1.10	1.27	1.78	2.07	3.32	2.14	1.47	1.01	0.87	0.76	0.62	
13		0.90	1.09	1.24	1.98	2.33	3.52	2.15	1.38	1.01	0.87	0.75	0.62	
14		0.89	1.05	1.25	2.05	2.59	3.32	2.19	1.37	1.00	0.87	0.75	0.61	
15		0.88	1.03	1.28	2.07	2.58	3.06	2.20	1.34	0.99	0.86	0.74	0.61	
16		0.87	1.00	1.25	2.11	2.51	2.90	2.21	1.32	0.95	0.85	0.73	0.61	
17		0.87	0.97	1.29	2.17	2.54	2.84	2.18	1.28	0.89	0.85	0.73	0.61	
18		0.85	0.96	1.35	2.14	2.62	2.73	2.13	1.30	0.87	0.85	0.73	0.63	
19		0.85	0.95	1.51	2.02	2.83	2.66	2.08	1.29	0.86	0.85	0.72	0.64	
20		0.84	0.94	1.54	1.92	2.83	2.58	2.04	1.31	1.01	0.85	0.71	0.62	
21		0.82	0.94	1.55	1.83	2.77	2.52	1.99	1.25	0.98	0.83	0.71	0.62	
22		0.81	0.98	1.54	1.71	2.88	2.49	1.95	1.26	0.98	0.84	0.70	0.61	
23		0.82	0.99	1.53	1.82	3.20	2.47	1.91	1.23	0.97	0.83	0.70	0.60	
24		0.82	0.97	1.51	1.52	3.47	2.49	1.87	1.20	0.97	0.83	0.70	0.59	
25		0.83	0.98	1.41	1.49	3.48	2.44	1.82	1.22	0.95	0.82	0.70	0.57	
26		0.86	1.11	1.37	1.51	3.35	2.44	1.81	1.18	0.94	0.82	0.69	0.57	
27		0.92	1.01	1.34	1.72	3.20	2.43	1.76	1.17	0.94	0.82	0.69	0.58	
28		0.96	1.02	1.42	1.72	3.27	2.41	1.73	1.16	0.93	0.82	0.69	0.59	
29		0.95	1.04	1.39	1.68		2.38	1.73	1.16	0.92	0.82	0.69	0.61	
30		0.93	1.05	1.40	1.60		2.37	1.69	1.15	0.91	0.82	0.68	0.60	
31		0.90		1.44	1.50		2.34		1.13		0.82	0.68		
MEAN		0.89	0.95	1.29	1.66	2.40	2.87	2.02	1.36	0.99	0.86	0.74	0.62	1.38
MAX.		0.96	1.11	1.55	2.17	3.48	3.61	2.30	1.66	1.11	0.91	0.82	0.67	3.61
MIN.		0.81	0.68	1.04	1.27	1.59	2.34	1.69	1.13	0.86	0.82	0.68	0.57	0.57

*QM* ST.: 4-200 MPATAMATO		YEAR : 1972/73											[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N														
1		19.1	17.7	21.4	31.7	39.9	127.6	64.3	39.6	23.2	18.4	16.3	13.2	
2		19.1	17.1	21.6	30.6	38.4	132.1	62.5	39.4	22.9	18.3	16.3	13.0	
3		19.0	16.4	21.8	29.7	37.9	133.5	61.2	38.8	22.3	18.3	16.0	12.9	
4		18.7	16.2	22.0	28.2	37.5	121.0	59.6	37.3	22.1	18.3	15.9	12.9	
5		18.5	16.0	21.9	29.0	37.6	108.7	58.8	36.5	22.1	18.2	15.9	13.0	
6		18.7	15.9	21.5	30.8	43.4	100.6	54.7	35.5	21.8	18.1	15.5	12.9	
7		19.0	16.0	22.2	33.4	44.8	96.7	53.3	34.7	21.5	18.0	15.4	12.8	
8		18.7	16.8	23.0	32.3	43.5	97.0	52.4	33.8	21.3	17.8	15.4	12.5	
9		19.0	17.8	25.0	27.5	42.7	94.8	51.7	33.4	21.1	17.6	15.4	12.5	
10		19.0	13.4	26.9	30.2	43.5	96.2	41.0	33.5	20.9	17.6	15.2	12.4	
11		18.7	22.2	27.3	41.1	46.4	108.2	55.3	32.6	20.7	17.4	15.0	12.3	
12		18.3	22.9	27.6	44.0	54.7	116.0	57.5	33.4	20.6	17.4	14.9	12.2	
13		18.0	22.6	26.8	51.1	65.9	128.2	58.3	30.7	20.6	17.3	14.8	12.1	
14		17.2	21.8	26.9	54.1	77.6	116.0	59.5	30.3	20.5	17.3	14.7	12.1	
15		17.7	21.2	27.8	54.8	76.9	101.6	60.3	29.4	20.1	17.1	14.5	12.1	
16		17.5	20.3	27.0	56.3	73.6	93.0	60.4	28.0	19.3	17.0	14.4	12.0	
17		17.3	19.7	28.2	59.0	75.0	90.1	59.3	27.7	17.9	17.0	14.3	12.1	
18		17.0	19.5	29.8	57.5	78.9	84.5	57.1	28.3	17.3	17.0	14.3	12.4	
19		16.9	19.2	34.6	53.0	89.6	81.1	55.3	28.1	17.1	17.0	14.2	12.5	
20		16.6	19.0	35.8	48.9	89.1	77.1	53.5	28.6	20.7	16.9	13.9	12.2	
21		16.3	19.1	36.0	45.8	86.4	74.1	51.8	27.0	20.0	16.5	13.9	12.1	
22		16.1	20.0	35.8	41.3	91.9	72.9	50.0	27.1	19.8	16.7	13.8	12.0	
23		16.3	20.2	35.5	38.2	109.4	72.2	48.4	26.5	19.7	16.5	13.8	11.8	
24		16.2	19.7	34.6	35.2	124.7	73.0	47.1	25.5	19.6	16.5	13.8	11.6	
25		16.5	19.8	31.7	34.2	125.6	70.8	45.4	26.0	19.2	16.3	13.7	11.3	
26		17.1	23.1	30.4	34.7	118.0	70.6	45.1	24.9	19.0	16.3	13.7	11.3	
27		18.5	20.6	29.7	41.8	109.2	70.2	43.2	24.7	19.0	16.3	13.6	11.4	
28		19.5	20.9	31.9	41.6	113.4	69.1	42.2	24.5	18.8	16.2	13.5	11.7	
29		19.2	21.5	30.9	40.3		67.9	41.9	24.5	18.5	16.3	13.5	12.0	
30		18.7	21.6	31.3	37.7		67.5	40.5	24.2	18.4	16.3	13.4	11.9	
31		18.0		32.4	34.5		66.0		23.7		16.3	13.4		
MEAN		18.0	19.3	28.4	40.3	72.0	92.9	53.0	30.3	20.2	17.2	14.6	12.2	34.6
MAX.		19.5	23.1	36.0	59.0	125.6	133.5	64.3	39.6	23.2	18.4	16.3	13.2	133.5
MIN.		16.1	13.4	21.4	27.5	37.5	66.0	40.5	23.7	17.1	16.2	13.4	11.3	11.3

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 41.3      Q(185day): 22.1      Q(275day): 17.0      Q(355day): 12.1

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1973/74												[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.60	0.68	1.12	1.63	2.98	5.08	4.18	2.89	2.16	1.68	1.31	1.02		
2	0.59	0.74	1.12	1.70	3.28	5.00	4.37	2.87	2.14	1.67	1.30	1.01		
3	0.59	0.76	1.12	1.72	3.34	4.96	4.64	2.84	2.11	1.66	1.28	1.00		
4	0.71	0.78	1.14	1.77	3.44	4.89	4.89	2.80	2.09	1.64	1.26	0.99		
5	0.83	0.79	1.15	1.76	3.46	4.84	5.09	2.75	2.07	1.62	1.26	0.98		
6	0.76	0.83	1.27	2.22	3.65	4.74	5.37	2.69	2.05	1.61	1.25	0.98		
7	0.69	0.91	1.42	2.33	3.88	4.81	5.32	2.65	2.04	1.59	1.25	0.97		
8	0.64	0.94	1.39	2.31	3.93	5.06	5.22	2.63	2.02	1.59	1.24	0.96		
9	0.64	0.98	1.38	2.35	3.94	5.15	5.07	2.65	1.98	1.57	1.23	0.95		
10	0.64	1.13	1.38	2.51	3.65	5.31	4.81	2.70	1.95	1.54	1.22	0.94		
11	0.64	1.21	1.37	2.70	3.91	5.32	4.58	2.73	1.94	1.53	1.20	0.93		
12	0.64	1.24	1.38	2.90	3.82	5.20	4.37	2.79	1.92	1.52	1.19	0.92		
13	0.63	1.24	1.43	3.16	3.75	5.05	4.18	2.80	1.90	1.51	1.19	0.91		
14	0.62	1.21	1.43	3.01	3.65	4.93	4.09	2.77	1.89	1.50	1.18	0.89		
15	0.61	1.21	1.37	2.94	3.72	4.79	3.96	2.81	1.88	1.49	1.17	0.87		
16	0.61	1.21	1.36	2.81	3.94	4.44	3.83	2.86	1.84	1.48	1.16	0.87		
17	0.60	1.19	1.35	2.76	3.94	4.38	3.75	2.87	1.83	1.46	1.15	0.86		
18	0.59	1.17	1.37	2.72	3.94	4.38	3.67	2.88	1.82	1.44	1.14	0.85		
19	0.59	1.13	1.41	2.70	3.98	4.33	3.59	2.91	1.80	1.43	1.13	0.84		
20	0.59	1.12	1.40	2.63	4.11	4.25	3.51	2.94	1.79	1.42	1.11	0.82		
21	0.59	1.09	1.38	2.56	4.18	4.22	3.45	2.86	1.78	1.40	1.10	0.81		
22	0.59	1.07	1.38	2.56	4.69	4.20	3.40	2.73	1.76	1.39	1.09	0.80		
23	0.59	1.06	1.37	2.93	5.13	4.15	3.25	2.62	1.75	1.39	1.07	0.78		
24	0.58	1.05	1.35	2.97	5.23	4.10	3.15	2.53	1.74	1.36	1.07	0.77		
25	0.58	1.05	1.35	2.99	5.30	3.99	3.14	2.50	1.73	1.35	1.07	0.76		
26	0.58	1.05	1.38	3.01	5.29	3.96	3.14	2.42	1.72	1.34	1.08	0.75		
27	0.58	1.05	1.44	2.99	5.24	3.96	3.13	2.35	1.71	1.33	1.08	0.74		
28	0.57	1.06	1.47	2.94	5.15	3.90	3.06	2.30	1.69	1.33	1.07	0.73		
29	0.57	1.09	1.50	2.97		3.88	3.00	2.28	1.69	1.32	1.06	0.72		
30	0.55	1.14	1.51	2.82		4.09	2.96	2.25	1.68	1.31	1.04	0.70		
31	0.55		1.52	2.76		4.11		2.20		1.31	1.03			
MEAN	0.62	1.04	1.35	2.59	4.09	4.56	4.01	2.67	1.88	1.48	1.16	0.87	2.18	
MAX.	0.83	1.24	1.52	3.16	5.30	5.32	5.37	2.94	2.16	1.68	1.31	1.02	5.37	
MIN.	0.55	0.68	1.12	1.63	2.98	3.88	2.96	2.20	1.68	1.31	1.03	0.70	0.55	

*QM* ST.: 4-200 MPATAMATO		YEAR : 1973/74												[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	11.8	13.4	23.5	38.8	97.4	241.2	171.8	92.6	58.6	40.3	28.6	20.9		
2	11.7	14.6	23.4	41.1	113.9	234.1	185.1	91.5	57.8	39.9	28.5	20.6		
3	11.6	15.0	23.3	41.7	117.4	230.6	205.1	90.1	56.4	39.8	27.9	20.5		
4	14.0	15.4	23.9	43.5	123.2	225.4	224.9	87.9	55.7	39.0	27.4	20.1		
5	16.5	15.6	24.2	43.2	124.5	220.9	241.4	85.3	54.8	38.3	27.1	20.0		
6	14.9	16.5	27.6	60.8	136.1	213.4	265.5	82.4	54.1	37.9	27.0	19.9		
7	13.5	18.2	31.9	65.6	150.7	218.7	261.0	80.3	53.5	37.5	26.9	19.7		
8	12.5	19.0	30.9	64.8	154.5	239.4	252.8	79.3	52.7	37.3	26.6	19.4		
9	12.5	19.8	30.7	66.7	154.8	246.3	240.2	80.5	51.1	36.6	26.4	19.2		
10	12.5	23.7	30.8	73.7	136.3	260.2	219.0	82.7	50.2	35.8	26.1	19.0		
11	12.6	25.9	30.5	82.9	153.1	261.8	200.7	84.5	49.7	35.4	25.7	18.7		
12	12.6	26.7	30.7	93.2	147.1	251.0	185.1	87.4	49.0	35.2	25.4	18.5		
13	12.5	26.7	32.3	107.0	142.5	238.6	171.3	87.6	48.3	34.8	25.4	18.2		
14	12.2	25.9	32.3	99.0	136.3	228.3	165.4	86.5	47.9	34.3	25.1	17.8		
15	12.0	25.9	30.4	95.1	140.8	217.5	156.2	88.5	47.4	34.0	24.8	17.5		
16	12.0	25.9	30.1	88.2	154.8	190.1	147.7	90.7	46.2	33.6	24.5	17.3		
17	11.9	25.2	29.9	85.9	155.0	185.8	142.5	91.3	45.6	33.1	24.2	17.1		
18	11.7	24.7	30.3	83.9	155.0	185.6	137.1	92.1	45.2	32.6	24.0	16.9		
19	11.7	23.7	31.8	82.9	157.8	181.8	132.5	93.7	44.7	32.2	23.7	16.6		
20	11.7	23.4	31.3	79.5	166.8	176.5	127.6	94.8	44.2	31.9	23.3	16.3		
21	11.7	22.6	30.8	76.0	171.3	174.6	123.6	90.7	43.7	31.4	22.9	16.0		
22	11.7	22.1	30.7	76.0	209.6	173.0	120.5	84.4	43.3	31.1	22.6	15.7		
23	11.6	21.8	30.4	94.3	245.0	169.2	112.2	79.2	42.9	31.0	22.2	15.4		
24	11.5	21.6	29.9	96.4	253.3	165.6	106.3	74.7	42.4	30.1	22.1	15.2		
25	11.4	21.8	29.8	97.9	259.4	158.5	105.8	73.3	42.2	29.8	22.1	15.0		
26	11.4	21.8	30.7	98.8	258.6	156.4	105.8	69.8	41.8	29.6	22.4	14.8		
27	11.4	21.5	32.5	97.9	254.1	156.0	105.3	66.4	41.3	29.2	22.5	14.5		
28	11.3	21.9	33.4	95.3	246.8	152.3	101.3	64.3	40.6	29.1	22.2	14.3		
29	11.3	22.7	34.3	96.9		151.1	98.0	63.6	40.5	28.9	22.0	14.1		
30	11.0	23.9	34.8	88.8		165.1	96.2	62.3	40.4	28.6	21.5	13.8		
31	11.0		35.1	86.0		166.6		60.2		28.6	21.1			
MEAN	12.2	21.6	30.1	78.8	168.4	201.1	163.6	81.9	47.7	33.8	24.6	17.4	72.8	
MAX.	16.5	26.7	35.1	107.0	259.4	261.8	265.5	94.8	58.6	40.3	28.6	20.9	265.5	
MIN.	11.0	13.4	23.3	38.8	97.4	151.1	96.2	60.2	40.4	28.6	21.1	13.8	11.0	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^{2.2}$

[ Flow Regime (m3/s) ]:

Q(95day): 96.4      Q(185day): 38.8      Q(275day): 23.3      Q(355day): 11.7

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO													YEAR : 1974/75	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.70	0.53	1.13	4.01	3.54	3.55	5.45	4.02	2.44	1.88	1.49	1.23			
2	0.69	0.53	1.14	4.00	3.52	3.53	5.31	3.99	2.41	1.87	1.48	1.22			
3	0.68	0.52	1.07	4.02	3.51	3.51	5.16	3.83	2.39	1.86	1.48	1.22			
4	0.67	0.52	1.00	4.11	3.48	3.49	5.09	3.71	2.37	1.85	1.47	1.21			
5	0.67	0.52	0.96	4.15	3.47	3.47	5.39	3.62	2.33	1.83	1.46	1.19			
6	0.67	0.51	0.94	4.31	3.48	4.49	5.70	3.54	2.31	1.81	1.45	1.18			
7	0.67	0.51	0.93	4.75	3.72	4.86	5.74	3.47	2.29	1.80	1.44	1.16			
8	0.66	0.50	1.06	5.06	3.96	5.66	5.79	3.39	2.28	1.79	1.44	1.16			
9	0.65	0.50	1.16	5.24	3.95	6.00	5.77	3.32	2.26	1.78	1.43	1.15			
10	0.65	0.50	1.23	5.14	4.08	6.01	5.72	3.27	2.25	1.76	1.42	1.13			
11	0.64	0.50	1.30	4.88	4.12	5.84	5.60	3.20	2.23	1.74	1.41	1.12			
12	0.64	0.49	1.55	4.75	4.15	5.67	5.45	3.14	2.21	1.73	1.41	1.10			
13	0.63	0.48	1.81	4.61	4.15	5.74	5.30	3.08	2.19	1.71	1.40	1.09			
14	0.62	0.47	1.72	4.25	4.17	6.12	5.17	3.04	2.17	1.68	1.40	1.08			
15	0.61	0.46	1.69	4.30	4.16	6.37	5.04	2.99	2.13	1.66	1.39	1.06			
16	0.60	0.47	2.01	4.36	4.06	6.48	4.90	2.93	2.11	1.66	1.37	1.05			
17	0.59	0.48	1.93	4.29	3.94	6.61	4.78	2.87	2.10	1.65	1.37	1.03			
18	0.59	0.49	1.93	4.22	3.83	6.62	4.68	2.84	2.09	1.64	1.36	1.02			
19	0.59	0.51	1.78	4.22	3.75	6.52	4.62	2.82	2.07	1.62	1.34	1.01			
20	0.59	0.54	1.64	4.30	3.71	6.61	4.51	2.78	2.05	1.60	1.33	1.00			
21	0.59	0.54	1.61	4.31	3.65	6.56	4.44	2.74	2.04	1.59	1.32	0.98			
22	0.59	0.60	2.08	4.26	3.54	6.40	4.37	2.72	2.02	1.58	1.31	0.98			
23	0.58	0.66	2.44	4.22	3.40	6.38	4.29	2.70	1.99	1.58	1.30	0.98			
24	0.57	0.76	2.93	4.25	3.61	6.34	4.23	2.66	1.98	1.57	1.29	0.96			
25	0.56	0.89	3.08	4.33	4.40	6.19	4.21	2.63	1.96	1.56	1.28	0.95			
26	0.55	0.96	3.37	4.35	4.52	6.01	4.20	2.60	1.94	1.55	1.27	0.94			
27	0.55	1.01	3.44	4.23	4.61	5.90	4.18	2.57	1.92	1.54	1.26	0.93			
28	0.55	1.05	3.40	3.97	4.43	5.84	4.13	2.56	1.91	1.52	1.26	0.93			
29	0.55	1.08	3.61	3.85		5.71	4.06	2.53	1.91	1.51	1.26	0.91			
30	0.54	1.10	4.05	3.76		5.62	4.03	2.49	1.89	1.50	1.25	0.91			
31	0.54		4.18	3.61		5.54		2.47		1.50	1.24				
MEAN	0.61	0.62	2.01	4.33	3.89	5.60	4.91	3.05	2.14	1.67	1.37	1.06	2.60		
MAX.	0.70	1.10	4.18	5.24	4.61	6.62	5.79	4.02	2.44	1.88	1.49	1.23	6.62		
MIN.	0.54	0.46	0.93	3.61	3.40	3.47	4.03	2.47	1.89	1.50	1.24	0.91	0.46		

*QM*	ST.: 4-200 MPATAMATO													YEAR : 1974/75	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	13.7	10.6	23.7	159.3	129.5	129.9	273.0	160.1	70.4	47.4	34.1	26.4			
2	13.6	10.5	24.0	159.9	128.0	128.4	260.7	158.2	69.3	47.2	33.8	26.2			
3	13.4	10.4	22.2	160.3	127.1	127.1	247.3	147.7	68.2	46.8	33.6	26.0			
4	13.2	10.4	20.4	166.6	125.4	126.2	241.7	139.8	67.2	46.5	33.4	25.8			
5	13.2	10.4	19.5	169.6	124.9	124.9	267.9	134.0	65.9	45.5	33.3	25.4			
6	13.2	10.3	19.1	180.7	125.8	194.0	295.2	129.1	65.0	44.9	33.0	25.0			
7	13.1	10.2	18.8	214.2	140.4	223.1	299.5	124.9	64.0	44.6	32.6	24.6			
8	13.0	10.1	21.9	239.1	156.4	292.1	303.7	120.1	63.5	44.3	32.4	24.4			
9	12.8	10.1	24.4	254.6	155.4	324.4	302.3	116.2	62.5	43.7	32.1	24.1			
10	12.7	10.1	26.4	246.0	164.1	324.7	297.2	113.0	62.2	43.2	31.9	23.7			
11	12.6	10.1	28.4	224.6	167.3	308.3	286.0	109.1	61.6	42.6	31.8	23.3			
12	12.5	9.9	36.1	213.9	169.6	292.4	272.5	106.0	60.5	42.0	31.6	22.9			
13	12.4	9.7	45.1	203.5	169.6	299.2	259.6	102.8	59.6	41.3	31.4	22.7			
14	12.1	9.5	41.8	176.5	170.7	336.1	248.4	100.5	58.8	40.4	31.2	22.4			
15	12.0	9.3	40.6	180.0	169.8	360.9	237.4	97.5	57.4	39.8	30.7	22.0			
16	11.8	9.5	52.5	184.3	162.8	372.6	225.9	94.5	56.5	39.5	30.5	21.5			
17	11.7	9.6	49.3	179.6	155.2	386.3	216.1	91.3	56.1	39.3	30.3	21.2			
18	11.6	9.9	49.3	174.1	147.3	386.6	208.7	90.1	55.8	39.0	30.0	20.9			
19	11.6	10.3	43.8	173.9	142.1	376.7	203.7	88.7	54.8	38.2	29.7	20.6			
20	11.6	10.7	39.1	179.8	140.0	386.3	195.6	86.7	54.2	37.6	29.3	20.3			
21	11.6	10.7	38.0	180.7	135.9	380.8	190.3	84.7	53.6	37.3	29.0	20.0			
22	11.6	11.8	55.0	177.4	129.5	364.0	185.1	83.9	52.9	37.2	28.6	19.8			
23	11.4	13.1	70.4	174.3	120.9	361.8	179.4	82.9	51.8	37.0	28.3	19.8			
24	11.2	14.9	94.6	176.1	133.3	357.8	175.2	80.9	51.2	36.7	28.1	19.5			
25	11.1	17.8	102.8	182.2	187.2	342.4	173.5	79.6	50.5	36.3	27.7	19.2			
26	11.0	19.5	119.2	183.8	196.5	325.3	173.0	78.2	49.9	36.0	27.6	19.0			
27	11.0	20.6	123.2	175.0	203.2	314.1	171.5	76.7	49.1	35.6	27.4	18.8			
28	10.9	21.5	120.5	157.2	189.9	308.9	167.9	76.0	48.8	35.0	27.3	18.7			
29	10.8	22.5	133.5	148.7		296.1	163.0	74.7	48.4	34.6	27.2	18.4			
30	10.8	23.0	162.6	142.7		288.5	160.7	73.0	47.9	34.4	27.0	18.2			
31	10.7		171.1	133.6		280.7		71.9		34.3	26.8				
MEAN	12.1	12.6	59.3	183.0	152.4	294.2	229.4	102.3	57.9	40.3	30.4	22.0	99.4		
MAX.	13.7	23.0	171.1	254.6	203.2	386.6	303.7	160.1	70.4	47.4	34.1	26.4	386.6		
MIN.	10.7	9.3	18.8	133.6	120.9	124.9	160.7	71.9	47.9	34.3	26.8	18.2	9.3		

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 160.1      Q(185day): 51.8      Q(275day): 24.1      Q(355day): 10.1



<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1975/76	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.90	0.74	1.02	2.55	4.56	5.55	6.83	5.64	3.76	2.71	2.13	1.73		
2	0.88	0.73	1.09	2.41	4.68	5.65	6.68	5.54	3.69	2.68	2.12	1.73		
3	0.87	0.71	1.17	2.68	4.76	5.63	6.34	5.39	3.61	2.66	2.10	1.73		
4	0.87	0.70	1.21	2.43	4.75	5.61	6.30	5.33	3.55	2.64	2.10	1.72		
5	0.86	0.69	1.34	2.68	4.70	5.57	6.32	5.27	3.50	2.63	2.09	1.70		
6	0.84	0.67	1.37	2.89	4.62	5.54	6.52	5.18	3.46	2.61	2.07	1.69		
7	0.84	0.68	1.36	3.12	4.51	5.63	6.81	5.12	3.41	2.59	2.05	1.66		
8	0.84	0.66	1.37	3.09	4.45	5.76	7.14	5.08	3.36	2.56	2.04	1.64		
9	0.83	0.65	1.36	3.17	4.51	5.80	7.29	5.03	3.31	2.55	2.03	1.62		
10	0.83	0.64	1.34	3.29	4.54	5.96	7.40	5.00	3.28	2.52	2.02	1.60		
11	0.82	0.63	1.34	3.41	4.68	6.24	7.33	4.96	3.31	2.49	2.01	1.58		
12	0.80	0.63	1.33	3.65	4.58	6.34	7.18	4.92	3.19	2.47	1.99	1.57		
13	0.79	0.63	1.46	3.68	4.54	6.40	7.13	4.86	3.15	2.46	1.98	1.56		
14	0.79	0.62	1.43	3.80	4.60	6.51	7.13	4.80	3.10	2.44	1.98	1.54		
15	0.77	0.62	1.56	3.89	4.59	6.51	7.03	4.73	3.08	2.43	1.96	1.52		
16	0.77	0.66	1.65	3.97	4.49	6.32	6.86	4.66	3.05	2.40	1.94	1.52		
17	0.76	0.77	1.71	4.06	4.43	6.06	6.71	4.58	3.02	2.39	1.93	1.52		
18	0.76	0.79	1.80	4.35	4.46	5.88	6.50	4.53	2.98	2.37	1.93	1.51		
19	0.74	0.86	1.71	4.19	4.53	5.81	6.38	4.47	2.97	2.35	1.92	1.49		
20	0.74	0.91	1.71	4.07	4.80	5.83	6.27	4.41	2.93	2.33	1.91	1.48		
21	0.74	0.98	2.14	3.95	5.07	6.02	6.13	4.36	2.92	2.30	1.88	1.47		
22	0.74	0.99	1.90	3.89	5.33	6.14	6.07	4.30	2.91	2.29	1.87	1.46		
23	0.79	1.00	2.01	3.80	5.60	6.22	6.05	4.21	2.87	2.27	1.86	1.47		
24	0.77	0.97	1.78	3.75	5.80	6.23	6.04	4.17	2.83	2.26	1.85	1.48		
25	0.76	0.94	1.80	3.64	5.79	6.22	6.07	4.14	2.80	2.25	1.83	1.49		
26	0.75	0.93	1.75	3.50	5.76	6.27	6.10	4.08	2.79	2.23	1.82	1.51		
27	0.74	0.92	1.78	3.45	5.70	6.45	6.09	4.03	2.78	2.22	1.80	1.51		
28	0.73	0.94	2.18	3.52	5.63	6.50	6.01	3.97	2.72	2.21	1.77	1.49		
29	0.73	0.99	2.48	3.85	5.55	6.90	5.89	3.88	2.68	2.19	1.76	1.47		
30	0.73	1.00	2.63	4.15		7.12	5.78	3.81	2.66	2.17	1.74	1.45		
31	0.73		2.62	4.40		7.03		3.79		2.14	1.74			
MEAN	0.79	0.79	1.66	3.53	4.90	6.12	6.55	4.65	3.12	2.41	1.94	1.56	3.16	
MAX.	0.90	1.00	2.63	4.40	5.80	7.12	7.40	5.64	3.76	2.71	2.13	1.73	7.40	
MIN.	0.73	0.62	1.02	2.41	4.43	5.54	5.78	3.79	2.66	2.14	1.74	1.45	0.62	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1975/76	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	18.0	14.5	20.9	75.7	199.3	281.8	409.9	289.9	142.7	83.5	57.3	42.2		
2	17.7	14.3	22.5	69.1	208.4	291.3	393.5	280.4	138.4	81.7	56.6	42.1		
3	17.4	14.0	24.9	82.0	214.9	288.7	357.8	267.9	133.6	80.8	56.1	42.0		
4	17.3	13.8	25.8	70.2	214.4	287.6	353.8	262.3	129.7	80.1	55.9	41.6		
5	17.1	13.5	29.7	82.0	210.1	283.7	355.9	257.3	126.9	79.5	55.5	41.0		
6	16.8	13.2	30.4	92.4	203.9	280.7	376.7	249.2	124.1	78.3	54.8	40.5		
7	16.7	13.3	30.1	105.0	195.3	288.7	407.3	244.0	121.6	77.4	54.1	39.7		
8	16.6	13.0	30.3	103.0	191.2	301.2	444.6	241.2	118.5	76.3	53.6	39.0		
9	16.5	12.8	30.1	107.3	195.3	304.6	461.0	236.9	115.3	75.6	53.2	38.4		
10	16.4	12.6	29.4	114.6	198.1	319.7	474.5	233.8	113.9	74.1	52.9	37.7		
11	16.2	12.5	29.5	121.4	208.4	347.6	466.0	231.1	115.3	72.9	52.3	37.0		
12	15.9	12.4	29.3	136.1	200.9	357.8	448.7	227.6	108.9	72.0	51.8	36.7		
13	15.7	12.5	33.1	137.7	198.1	364.4	442.8	222.7	106.3	71.6	51.3	36.3		
14	15.6	12.3	32.1	145.9	202.3	375.4	443.2	217.8	103.8	70.8	51.1	35.8		
15	15.2	12.2	36.4	151.5	201.4	375.7	432.2	212.5	102.6	70.1	50.5	35.2		
16	15.1	13.0	39.3	157.2	193.7	355.6	413.3	207.2	101.1	69.0	49.8	35.2		
17	15.0	15.2	41.5	163.0	189.4	330.1	397.1	200.4	99.2	68.5	49.5	35.2		
18	14.9	15.5	44.4	183.8	191.9	312.4	374.8	196.7	97.2	67.5	49.2	34.9		
19	14.7	17.1	41.3	172.2	196.7	305.5	362.2	192.6	96.4	66.7	49.0	34.2		
20	14.6	18.2	41.5	163.7	217.8	307.8	350.7	188.1	94.5	65.9	48.4	33.8		
21	14.6	19.8	57.6	155.6	239.6	326.2	337.0	184.3	94.0	64.6	47.6	33.4		
22	14.6	20.3	48.2	151.7	262.6	338.2	331.0	179.8	93.4	63.8	47.2	33.1		
23	15.5	20.4	52.5	145.9	286.2	345.8	328.6	173.7	91.5	63.3	46.7	33.4		
24	15.2	19.7	43.7	142.3	304.6	346.4	328.3	170.7	89.1	62.7	46.4	33.6		
25	15.0	18.9	44.5	135.6	303.7	345.8	331.0	168.8	87.9	62.2	45.8	34.1		
26	14.8	18.8	42.9	126.9	301.2	350.7	333.7	164.7	87.1	61.4	45.4	34.6		
27	14.7	18.5	43.8	123.9	295.8	369.4	333.1	160.9	86.7	60.9	44.4	34.9		
28	14.4	19.0	59.4	128.2	289.0	373.8	324.7	156.8	83.6	60.4	43.5	34.1		
29	14.3	20.3	72.5	148.9	281.5	417.3	313.8	151.1	81.7	59.8	43.1	33.5		
30	14.4	20.5	79.6	169.6		441.5	302.9	146.5	80.8	58.9	42.6	32.9		
31	14.5		78.7	186.9		432.2		144.7		57.8	42.3			
MEAN	15.7	15.7	40.8	130.6	227.4	337.0	381.0	208.4	105.5	69.6	49.9	36.5	134.4	
MAX.	18.0	20.5	79.6	186.9	304.6	441.5	474.5	289.9	142.7	83.5	57.3	42.2	474.5	
MIN.	14.3	12.2	20.9	69.1	189.4	280.7	302.9	144.7	80.8	57.8	42.3	32.9	12.2	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[ Flow Regime (m3/s) ]:

Q(95day): 201.4      Q(185day): 79.5      Q(275day): 35.8      Q(355day): 13.5

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1976/77	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.43	1.02	1.12	2.27	4.05	6.27	5.84	3.83	2.54	1.98	1.61	1.35		
2	1.40	1.05	1.08	2.18	4.00	6.42	5.79	3.78	2.50	1.94	1.61	1.34		
3	1.35	1.05	1.04	2.21	4.03	6.54	5.73	3.72	2.47	1.93	1.60	1.33		
4	1.33	1.04	1.02	2.19	4.01	6.59	5.68	3.67	2.44	1.92	1.60	1.31		
5	1.31	1.14	1.01	2.22	4.16	6.50	5.62	3.63	2.43	1.91	1.58	1.30		
6	1.28	1.16	1.02	2.27	4.37	6.43	5.55	3.58	2.41	1.90	1.57	1.29		
7	1.26	1.10	1.44	2.52	4.44	6.42	5.48	3.54	2.40	1.89	1.56	1.27		
8	1.25	1.07	1.49	2.66	4.41	6.44	5.39	3.50	2.33	1.89	1.54	1.26		
9	1.23	1.07	1.55	2.51	4.30	6.45	5.31	3.44	2.31	1.87	1.53	1.25		
10	1.22	1.11	1.69	2.41	4.20	6.38	5.18	3.38	2.28	1.85	1.52	1.23		
11	1.21	1.23	1.72	2.51	4.10	6.26	5.13	3.33	2.29	1.83	1.48	1.22		
12	1.21	1.27	2.06	2.61	4.01	6.21	5.09	3.29	2.30	1.83	1.50	1.21		
13	1.22	1.31	1.95	2.55	3.96	6.17	5.08	3.23	2.22	1.81	1.52	1.19		
14	1.19	1.22	1.88	2.48	4.10	6.17	5.04	3.16	2.20	1.80	1.56	1.17		
15	1.17	1.26	1.83	2.51	3.91	6.16	4.96	3.12	2.17	1.79	1.58	1.16		
16	1.16	1.32	1.91	2.60	4.10	6.07	4.88	3.11	2.16	1.79	1.59	1.14		
17	1.16	1.31	2.02	2.63	4.18	6.18	4.78	3.08	2.15	1.78	1.59	1.11		
18	1.16	1.44	2.02	2.64	4.16	6.50	4.67	3.03	2.14	1.77	1.58	1.11		
19	1.16	1.47	2.04	2.62	4.16	6.56	4.59	2.99	2.13	1.77	1.55	1.10		
20	1.18	1.53	1.99	2.91	4.19	6.61	4.52	2.93	2.13	1.76	1.54	1.10		
21	1.17	1.49	1.93	3.07	4.18	6.63	4.45	2.88	2.13	1.75	1.51	1.09		
22	1.18	1.42	1.81	3.19	4.33	6.49	4.39	2.87	2.12	1.73	1.48	1.07		
23	1.16	1.31	1.83	3.61	4.47	6.37	4.33	2.83	2.12	1.72	1.47	1.05		
24	1.13	1.28	1.96	3.80	4.55	6.25	4.26	2.79	2.08	1.70	1.46	1.04		
25	1.11	1.22	2.08	4.05	4.78	6.17	4.20	2.74	2.05	1.70	1.44	1.02		
26	1.09	1.18	2.19	4.14	5.48	6.07	4.14	2.70	2.03	1.69	1.43	1.00		
27	1.07	1.15	2.26	4.11	5.79	6.03	4.07	2.69	2.01	1.68	1.42	0.99		
28	1.06	1.14	2.30	4.09	6.04	5.96	4.01	2.65	2.00	1.67	1.40	0.98		
29	1.05	1.16	2.37	3.91		5.92	3.95	2.61	1.98	1.65	1.39	0.97		
30	1.04	1.19	2.21	3.92		5.88	3.89	2.58	1.98	1.64	1.37	0.97		
31	1.03		2.21	3.84		5.87		2.55		1.62	1.37			
MEAN	1.19	1.22	1.78	2.94	4.37	6.29	4.87	3.14	2.22	1.79	1.52	1.15	2.70	
MAX.	1.43	1.53	2.37	4.14	6.04	6.63	5.84	3.83	2.54	1.98	1.61	1.35	6.63	
MIN.	1.03	1.02	1.01	2.18	3.91	5.87	3.89	2.55	1.98	1.62	1.37	0.97	0.97	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1976/77	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	32.1	21.0	23.5	63.0	162.6	350.4	308.6	147.5	75.0	51.1	38.1	29.9		
2	31.2	21.6	22.4	59.4	159.1	365.6	303.5	144.5	73.4	49.9	38.0	29.7		
3	29.9	21.5	21.5	60.7	160.7	378.6	298.3	140.4	72.0	49.3	37.8	29.1		
4	29.1	21.4	21.0	59.9	159.9	383.4	293.5	137.3	70.6	49.0	37.7	28.8		
5	28.6	23.9	20.6	60.8	169.8	374.5	287.9	134.8	70.1	48.5	37.2	28.4		
6	27.9	24.4	21.0	63.1	184.9	366.9	281.5	131.6	69.3	48.3	36.7	28.0		
7	27.4	22.9	32.5	74.1	190.6	366.2	275.2	129.1	68.6	47.9	36.4	27.6		
8	26.9	22.2	34.0	80.8	188.1	367.8	267.1	126.7	65.6	47.9	35.8	27.2		
9	26.4	22.2	36.2	73.7	190.0	369.4	260.2	122.9	65.0	47.3	35.4	27.0		
10	26.1	23.1	40.6	69.3	172.6	361.5	249.7	119.8	63.5	46.5	35.2	26.4		
11	25.9	26.3	41.7	73.9	166.0	349.5	245.0	116.9	63.8	45.5	33.9	26.1		
12	25.9	27.6	54.3	78.6	159.9	344.6	241.4	114.1	64.3	45.5	34.5	25.8		
13	26.0	28.8	50.2	75.4	156.4	340.9	240.9	111.0	60.9	45.1	35.2	25.4		
14	25.3	26.1	47.4	72.3	166.0	340.6	237.4	107.0	60.0	44.6	36.5	24.9		
15	24.7	27.2	45.8	73.7	152.7	339.4	230.8	104.8	58.9	44.3	37.2	24.5		
16	24.6	28.9	48.7	78.0	165.6	331.3	224.4	104.1	58.5	44.1	37.4	23.9		
17	24.5	28.6	52.7	79.6	171.5	341.8	216.3	102.3	58.1	44.0	37.4	23.3		
18	24.5	32.6	53.0	79.9	169.8	373.8	207.9	99.8	57.8	43.6	37.2	23.1		
19	24.6	33.4	53.7	79.0	169.8	380.8	201.8	97.7	57.4	43.5	36.2	22.9		
20	25.0	35.3	51.6	93.7	172.2	385.7	196.3	94.5	57.4	43.2	35.6	22.9		
21	24.9	34.1	49.2	101.8	171.5	388.3	191.0	91.8	57.1	42.7	34.7	22.5		
22	25.0	31.9	45.1	108.4	181.8	373.5	186.5	91.1	57.0	42.1	33.9	22.2		
23	24.5	28.7	45.5	133.3	192.1	360.9	181.6	89.1	56.9	41.7	33.4	21.8		
24	23.8	27.8	50.5	145.5	198.3	348.5	176.7	87.3	55.4	41.2	33.1	21.3		
25	23.3	26.1	55.4	162.2	216.1	340.3	172.6	85.0	53.9	41.1	32.5	20.9		
26	22.8	25.1	59.5	168.8	275.8	330.7	168.3	82.9	53.3	40.5	32.3	20.4		
27	22.2	24.3	62.5	166.2	303.5	327.1	163.9	82.3	52.3	40.2	32.0	20.3		
28	22.1	24.1	64.4	165.4	328.3	320.3	159.7	80.6	52.0	39.9	31.4	20.0		
29	21.6	24.4	67.5	153.1		316.5	155.8	78.6	51.4	39.3	30.9	19.7		
30	21.3	25.3	60.7	153.3		312.4	151.5	77.3	51.2	39.1	30.6	19.7		
31	21.2		60.4	148.5		311.2		75.8		38.3	30.4			
MEAN	25.5	26.3	44.9	98.6	187.3	353.0	225.9	106.7	61.0	44.4	35.0	24.5	102.3	
MAX.	32.1	35.3	67.5	168.8	328.3	388.3	308.6	147.5	75.0	51.1	38.1	29.9	388.3	
MIN.	21.2	21.0	20.6	59.4	152.7	311.2	151.5	75.8	51.2	38.3	30.4	19.7	19.7	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 151.5    Q(185day): 53.7    Q(275day): 30.4    Q(355day): 21.2

<<< MASTER PROGRAM for D8-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1977/78											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.98	0.72	1.25	3.87	5.82	6.59		5.74	4.07	2.99	2.47	1.94	
2	0.97	0.70	1.45	3.78	6.09	6.55		5.71	3.98	2.97	2.46	1.94	
3	0.97	0.69	1.48	3.75	6.24	6.66		5.68	3.95	2.95	2.44	1.93	
4	0.97	0.69	1.51	3.73	6.28	6.92		5.60	3.87	2.94	2.42	1.92	
5	0.96	0.76	1.67	3.71	6.25	7.09		5.49	3.83	2.91	2.37	1.92	
6	0.94	0.73	1.75	3.72	6.30	7.01	7.60	5.41	3.79	2.89	2.35	1.91	
7	0.92	0.76	1.94	3.68	6.37	7.00	7.53	5.33	3.75	2.87	2.32	1.91	
8	0.91	0.82	2.16	3.68	6.39	7.00	7.47	5.16	3.58	2.83	2.30	1.90	
9	0.88	0.86	2.27	3.70	6.66	6.99	7.36	5.11	3.63	2.82	2.27	1.88	
10	0.87	0.82	2.25	3.83	6.81	6.97	7.28	5.09	3.58	2.80	2.23	1.86	
11	0.85	0.78	2.46	3.92	6.79	6.98	7.26	5.04	3.54	2.80	2.21	1.84	
12	0.84	0.77	2.67	3.99	6.65	7.10	7.05	4.99	3.49	2.78	2.20	1.83	
13	0.83	0.76	3.19	4.03	6.64	7.20	6.94	4.96	3.46	2.77	2.19	1.81	
14	0.82	0.75	3.57	4.32	6.78	7.31	6.86	4.90	3.43	2.75	2.19	1.80	
15	0.80	0.73	3.58	4.61	7.02	7.39	6.75	4.83	3.40	2.73	2.18	1.78	
16	0.78	0.75	3.51	4.82	7.28	7.40	6.66	4.77	3.36	2.71	2.16	1.73	
17	0.77	0.73	3.22	4.98	7.08	7.42	6.55	4.74	3.33	2.69	2.15	1.72	
18	0.76	0.81	2.93	5.09	6.91	7.38	6.50	4.70	3.29	2.68	2.14	1.71	
19	0.76	1.11	2.78	5.09	6.69	7.38	6.42	4.65	3.26	2.66	2.12	1.70	
20	0.75	1.10	2.73	5.10	6.54	7.40	6.36	4.60	3.24	2.64	2.12	1.67	
21	0.73	1.02	2.80	5.15	6.47	7.55	6.37	4.53	3.20	2.62	2.09	1.66	
22	0.72	1.01	3.12	5.23	6.50	7.60	6.41	4.50	3.16	2.60	2.08	1.64	
23	0.70	1.01	3.15	5.41	6.54		6.47	4.47	3.13	2.58	2.07	1.62	
24	0.90	1.01	3.09	5.52	6.60		6.49	4.43	3.11	2.58	2.05	1.60	
25	0.87	1.03	3.17	5.51	6.64		6.49	4.37	3.08	2.58	2.03	1.58	
26	0.82	1.07	3.20	5.47	6.66		6.39	4.34	3.08	2.56	2.02	1.57	
27	0.77	1.05	3.46	5.40	6.68		6.28	4.31	3.07	2.55	2.01	1.55	
28	0.83	1.07	3.58	5.34	6.65		6.18	4.25	3.04	2.53	2.00	1.53	
29	0.86	1.15	3.64	5.30			6.08	4.21	3.03	2.51	1.96	1.50	
30	0.80	1.17	3.71	5.31			6.04	4.17	3.00	2.49	1.95	1.48	
31	0.76		3.86	5.43				4.11		2.48	1.94		
MEAN	0.84	0.88	2.75	4.60	6.58	7.13	6.71	4.84	3.42	2.72	2.18	1.75	3.55
MAX.	0.98	1.17	3.86	5.52	7.28	7.60	7.60	5.74	4.07	2.99	2.47	1.94	7.60
MIN.	0.70	0.69	1.25	3.68	5.82	6.55	6.04	4.11	3.00	2.48	1.94	1.48	0.69

*QM* ST.: 4-200 MPATAMATO		YEAR : 1977/78											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	19.8	14.1	27.0	150.3	306.6	384.1	540.2	299.5	163.5	97.5	72.2	49.9	
2	19.7	13.7	33.0	144.3	333.1	379.2	543.8	296.3	157.4	96.7	71.5	49.8	
3	19.7	13.5	33.9	142.1	347.6	391.5	543.4	293.2	155.6	95.6	70.4	49.5	
4	19.6	13.5	34.8	141.2	351.9	419.0	542.0	286.2	150.1	94.8	69.8	49.1	
5	19.5	15.0	40.0	139.6	348.5	438.0	539.8	276.3	147.3	93.7	67.4	49.0	
6	19.0	14.4	42.9	140.4	354.1	429.5	497.3	269.3	145.1	92.4	66.6	48.7	
7	18.5	14.9	49.6	137.7	360.9	428.1	489.7	262.0	142.1	91.1	65.2	48.4	
8	18.2	16.2	58.5	137.7	362.8	428.4	482.1	247.3	131.8	89.4	64.2	48.2	
9	17.7	17.2	63.3	139.0	391.5	426.7	469.9	243.5	135.0	88.7	63.0	47.6	
10	17.3	16.3	62.2	147.9	406.9	425.0	459.6	241.4	131.4	88.0	61.6	46.8	
11	17.0	15.4	71.6	153.7	405.3	425.7	457.5	237.9	129.3	87.7	60.5	46.2	
12	16.8	15.1	81.2	158.5	390.2	440.1	433.9	233.1	126.3	87.0	60.0	45.5	
13	16.4	15.0	108.9	160.9	388.6	450.8	421.3	230.6	124.5	86.2	59.8	45.1	
14	16.2	14.7	130.8	181.6	404.6	463.1	412.9	225.6	122.5	85.4	59.6	44.4	
15	15.9	14.3	131.6	202.8	430.8	472.7	401.3	220.5	120.5	84.5	59.3	43.7	
16	15.5	14.7	127.1	219.7	459.6	474.2	391.5	215.8	118.2	83.5	58.5	42.1	
17	15.2	14.4	110.3	232.6	437.0	476.7	379.2	213.4	116.7	82.4	58.1	41.8	
18	15.0	16.0	94.6	241.9	418.6	472.0	374.8	210.3	114.1	81.7	57.5	41.5	
19	14.9	23.1	86.8	241.7	394.4	471.3	366.2	206.1	112.5	81.1	57.0	41.1	
20	14.7	22.9	84.4	242.7	378.3	473.8	359.4	202.1	111.3	79.8	56.6	40.1	
21	14.5	21.0	88.0	246.6	371.0	492.2	360.9	197.0	109.2	79.0	55.8	39.8	
22	14.2	20.6	104.6	253.8	374.8	498.1	365.3	194.7	107.0	78.2	55.2	38.9	
23	13.8	20.6	106.5	269.5	378.9	487.2	371.0	192.6	105.5	77.1	54.7	38.4	
24	18.0	20.8	103.3	279.1	384.4	490.6	373.2	189.2	104.3	77.0	54.1	37.8	
25	17.5	21.2	107.5	278.2	388.6	491.3	373.5	185.4	102.6	77.0	53.3	37.0	
26	16.3	22.1	109.4	274.1	391.5	498.5	363.4	182.7	102.5	76.1	52.9	36.6	
27	15.2	21.8	124.5	268.7	393.5	507.5	352.2	180.5	101.8	75.7	52.3	36.0	
28	16.4	22.2	131.8	263.1	389.9	519.8	341.2	176.3	100.3	74.7	51.9	35.4	
29	17.1	24.1	135.2	259.6		526.6	331.9	173.5	99.7	73.9	50.6	34.3	
30	15.9	24.9	139.8	260.4		532.6	327.4	170.5	98.3	72.9	50.2	33.7	
31	15.0		149.7	271.1		535.9		166.8		72.5	49.9		
MEAN	16.8	17.8	89.4	205.8	393.7	462.9	422.2	223.2	122.9	83.9	59.3	42.9	176.2
MAX.	19.8	24.9	149.7	279.1	459.6	535.9	543.8	299.5	163.5	97.5	72.2	49.9	543.8
MIN.	13.8	13.5	27.0	137.7	306.6	379.2	327.4	166.8	98.3	72.5	49.9	33.7	13.5

[Discharge Rating Curve]: Q=7.269\*(H+0.676)^2

[Flow Regime (m3/s)]:

Q(95day): 278.2      Q(185day): 107.0      Q(275day): 48.4      Q(355day): 14.7

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

\*HM\* ST.: 4-200 MPATAMATO

YEAR : 1978/79

[WATER LEVEL (m)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.46	1.72	1.94	4.84	4.78	6.60	7.36		4.84				
2	1.45	1.64	1.99	4.82	4.90	6.51	7.22		4.82				
3	1.44	1.50	2.02	4.84	4.96	6.43	7.10		4.84				
4	1.44	1.43	2.17	5.07	4.98	6.32	7.08		5.07				
5	1.43	1.45	2.33	5.15	5.01	6.26	7.06		5.15				
6	1.43	1.45	2.62	5.25	5.01	6.25	7.00		5.25				
7	1.41	1.48	2.70	5.19	4.85	6.26	6.89		5.19				
8	1.69	1.51	2.62	5.05	4.80	6.23	6.85		5.05				
9	1.37	1.58	3.11	4.75	4.65	6.37	6.79		4.75				
10	1.37	1.61	3.34	4.58	4.65	6.73	6.69		4.59				
11	1.36	1.64	3.43	4.37	4.66	6.49	6.63		4.37				
12	1.33	1.68	3.49	4.21	4.78	6.28	6.58		4.21				
13	1.31	1.80	3.67	4.11	4.84	6.30	6.52		4.10				
14	1.28	1.87	3.80	4.09	4.88	6.39	6.41		4.09				
15	1.25	1.84	3.77	4.06	4.86	6.38	6.38		4.06				
16	1.25	1.86	3.61	3.98	4.85	6.36	6.35		3.98				
17	1.22	1.98	3.54	3.90	4.88	6.34	6.32		3.90				
18	1.23	2.13	3.47	3.85	4.92	6.35	6.29		3.85				
19	1.22	2.19	3.43	3.80	4.98	6.52	6.27		3.80				
20	1.21	2.23	3.53	3.77	5.03	6.58	6.22		3.77				
21	1.20	2.20	3.72	3.75	5.09	6.66	6.16		3.75				
22	1.19	1.92	3.75	3.88	5.14	6.62	6.07		3.88				
23	1.24	2.06	3.77	4.10	5.36	6.57	5.96		4.10				
24	1.28	2.03	3.78	4.24	5.72	6.57	5.89		4.24				
25	1.35	2.01	3.80	4.26	6.03	6.74	6.05		4.26				
26	1.43	1.94	3.89	4.26	6.14	6.99	5.63		4.25				
27	1.70	1.88	4.43	4.33	6.46	7.16	5.55		4.33				
28	1.75	1.84	4.68	4.49	6.57	7.25	5.51		4.49				
29	1.61	1.85	4.83	4.52		7.30	5.44		4.52				
30	1.53	1.89	4.95	4.65		7.34	5.43		4.65				
31	1.49		4.98	4.74		7.35							
MEAN	1.38	1.81	3.46	4.42	5.13	6.60	6.39		4.40				4.19
MAX.	1.75	2.23	4.98	5.25	6.57	7.35	7.36		5.25				7.36
MIN.	1.19	1.43	1.94	3.75	4.65	6.23	5.43		3.75				1.19

\*QM\* ST.: 4-200 MPATAMATO

YEAR : 1978/79

[DISCHARGE (m3/sec)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	33.1	41.7	49.6	221.2	216.3	384.7	469.2	319.2	221.2	85.4	65.6	51.0	
2	32.9	39.0	51.6	219.7	225.6	375.4	452.9	313.2	219.7	84.6	65.1	50.2	
3	32.6	34.4	53.0	221.2	231.1	366.6	440.1	306.2	221.2	84.0	64.5	49.5	
4	32.4	32.3	58.9	239.6	232.8	355.9	437.0	300.0	239.6	82.9	64.0	49.2	
5	32.3	33.0	65.5	246.3	234.8	350.1	434.6	293.1	246.3	81.9	63.4	48.8	
6	32.1	33.0	79.0	255.4	235.3	348.2	428.4	286.3	255.4	81.1	62.9	48.2	
7	31.6	33.8	82.7	250.4	222.2	350.1	416.3	279.6	250.4	80.4	62.1	47.8	
8	40.5	34.7	79.0	238.1	218.0	346.7	412.3	272.7	238.1	79.8	61.8	47.3	
9	30.5	36.9	104.3	213.9	206.1	360.6	405.0	266.1	213.9	79.0	61.3	47.0	
10	30.4	38.1	117.4	200.4	205.8	398.7	394.4	261.4	201.8	78.5	60.8	46.4	
11	30.0	39.0	122.7	185.1	206.8	373.5	388.3	251.5	185.1	77.7	60.2	45.9	
12	29.3	40.2	126.2	173.7	216.1	351.6	382.5	243.3	173.7	77.4	59.5	45.4	
13	28.6	44.7	137.5	166.4	221.4	354.1	376.1	236.9	165.8	76.7	59.2	45.2	
14	27.9	47.1	145.9	165.1	224.4	363.4	365.3	230.1	165.1	76.2	58.8	44.5	
15	27.0	46.1	143.7	163.0	223.1	361.8	361.5	222.3	163.0	75.6	58.6	44.2	
16	26.9	46.8	133.5	157.6	221.7	360.3	358.7	215.7	157.6	75.1	58.3	43.8	
17	26.2	51.3	129.5	152.5	224.6	357.8	355.9	208.4	152.5	74.8	58.2	43.4	
18	26.4	57.4	124.7	148.7	227.3	358.7	353.1	203.4	148.7	73.9	58.2	42.9	
19	26.0	59.6	122.5	145.7	232.8	376.4	350.4	197.3	145.7	73.7	57.3	42.6	
20	25.8	61.6	128.8	143.5	236.6	383.1	345.8	192.2	143.5	72.8	57.0	42.3	
21	25.5	60.2	140.8	142.3	241.4	391.5	339.7	186.7	142.3	72.4	56.4	41.9	
22	25.3	49.1	142.1	150.9	246.0	387.0	330.4	182.2	150.9	71.8	56.3	41.5	
23	26.6	54.4	143.7	165.6	264.7	381.5	320.3	178.5	165.6	71.4	56.1	41.0	
24	27.8	53.2	144.1	175.7	296.9	382.1	313.6	173.5	175.7	71.0	55.4	40.6	
25	29.8	52.6	145.7	177.4	326.5	400.0	328.6	168.9	177.4	70.3	55.3	40.0	
26	32.1	49.8	151.5	177.0	337.3	427.4	289.0	164.6	176.5	70.0	54.9	39.4	
27	41.0	47.5	189.4	182.0	370.3	446.7	281.8	159.9	182.0	69.0	54.3	39.1	
28	42.7	46.2	208.2	194.0	381.5	457.1	278.2	156.1	194.0	68.6	53.5	38.6	
29	38.0	46.5	220.7	196.3		462.1	272.2	151.6	196.3	67.8	53.1	38.3	
30	35.3	47.7	230.1	206.1		467.4	271.4	146.1	206.1	67.2	52.2	37.5	
31	34.1		232.6	213.2		468.5		144.4		66.4	51.6		
MEAN	31.0	45.3	129.2	189.9	247.4	385.4	365.1	223.0	189.2	75.4	58.6	44.1	164.7
MAX.	42.7	61.6	232.6	255.4	381.5	468.5	469.2	319.2	255.4	85.4	65.6	51.0	469.2
MIN.	25.3	32.3	49.6	142.3	205.8	346.7	271.4	144.4	142.3	66.4	51.6	37.5	25.3

[Discharge Rating Curve]: Q=7.269\*(H+0.676)^2

[Flow Regime (m3/s)]:

Q(95day): 234.8      Q(185day): 144.4      Q(275day): 53.1      Q(355day): 27.9

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1979/80											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1				4.34	4.11	4.54	5.02	4.48	3.17	2.36	2.02	1.58	
2				4.43	4.19	4.65	5.02	4.43	3.06	2.37	2.01	1.56	
3				4.48	4.43	4.69	5.04	4.37	3.03	2.35	2.00	1.55	
4				4.43	4.56	4.77	5.05	4.30	3.01	2.34	1.99	1.54	
5				4.38	4.69	5.06	5.07	4.26	2.96	2.32	1.97	1.52	
6			2.80	4.57	4.41	5.36	5.08	4.21	2.92	2.30	1.95	1.51	
7			3.18	4.57	4.71	5.69	5.15	4.16	2.90	2.29	1.92	1.49	
8			3.30	4.51	4.66	5.89	5.22	4.12	2.86	2.27	1.91	1.48	
9			3.30	4.43	4.71	6.04	5.21	4.07	2.84	2.26	1.90	1.46	
10			3.32	4.46	4.73	6.16	5.22	4.02	2.80	2.24	1.88	1.44	
11			3.64	4.54	4.72	6.18	5.24	3.98	2.76	2.23	1.87	1.43	
12			3.69	4.49	4.65	5.92	5.23	3.95	2.73	2.21	1.87	1.43	
13			3.84	4.40	4.59	5.89	5.25	3.91	2.70	2.20	1.86	1.42	
14			4.07	4.32	4.52	5.92	5.28	3.85	2.68	2.19	1.85	1.41	
15			4.17	4.12	4.46	6.02	5.33	3.79	2.67	2.19	1.83	1.40	
16			4.56	4.09	4.36	6.09	5.42	3.76	2.65	2.19	1.80	1.38	
17			4.67	3.85	4.29	6.04	5.55	3.73	2.62	2.18	1.80	1.37	
18			4.54	3.75	4.21	5.95	5.63	3.69	2.60	2.18	1.79	1.35	
19			4.46	3.64	4.14	5.85	5.67	3.65	2.58	2.17	1.77	1.34	
20			4.32	3.54	4.01	5.75	5.70	3.61	2.56	2.16	1.75	1.32	
21			4.12	3.52	4.01	5.69	5.64	3.57	2.54	2.15	1.74	1.30	
22			3.89	3.51	4.17	5.60	5.61	3.53	2.52	2.14	1.72	1.29	
23			3.93	3.51	4.29	5.36	5.59	3.49	2.51	2.13	1.70	1.28	
24			3.92	3.74	4.52	5.23	5.39	3.44	1.88	2.10	1.69	1.26	
25			3.91	4.01	4.51	5.12	5.31	3.40	2.48	2.09	1.67	1.24	
26			3.95	4.00	4.55	5.01	5.21	3.36	2.46	2.07	1.66	1.21	
27			4.07	3.92	4.54	4.98	5.11	3.32	2.44	2.06	1.65	1.41	
28			3.96	3.92	4.56	4.96	4.71	3.27	2.42	2.05	1.63	1.34	
29			4.01	4.03	4.55	4.98	4.61	3.22	2.40	2.04	1.60	1.42	
30			4.08	4.11		5.01	4.55	3.17	2.39	2.03	1.58	1.48	
31			4.20	4.12		5.03		3.12		2.03	1.58		
MEAN			3.92	4.12	4.44	5.46	5.24	3.78	2.67	2.19	1.81	1.41	3.49
MAX.			4.67	4.57	4.73	6.18	5.70	4.48	3.17	2.38	2.02	1.58	6.18
MIN.			2.80	3.51	4.01	4.54	4.55	3.12	1.88	2.03	1.58	1.21	1.21

*QM* ST.: 4-200 MPATAMATO		YEAR : 1979/80											[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	37.4	38.9	66.5	182.9	166.8	197.4	235.6	193.1	107.5	67.8	52.9	36.9	94.7
2	37.0	38.0	66.5	189.6	172.2	205.8	235.8	189.2	101.6	67.2	52.3	36.4	94.7
3	36.6	36.8	67.3	193.5	189.4	209.4	237.4	185.4	99.7	66.7	51.9	36.0	96.0
4	35.9	36.3	67.9	189.6	199.5	215.8	238.6	180.3	98.7	66.0	51.6	35.6	97.0
5	35.6	35.7	70.3	185.6	209.6	239.4	239.6	177.2	96.1	65.4	51.0	35.0	101.0
6	35.2	35.4	87.6	200.0	187.8	264.4	240.7	173.3	94.0	64.6	50.2	34.6	
7	34.9	35.2	108.2	199.7	210.6	294.6	246.8	170.0	92.7	63.9	49.1	34.1	
8	34.8	35.2	115.1	195.6	206.8	313.6	252.8	167.0	90.8	63.3	48.5	33.6	
9	34.4	35.0	115.0	189.4	210.6	327.4	252.0	163.7	89.7	62.6	48.1	33.1	
10	34.1	36.8	115.9	191.9	212.5	339.7	252.8	160.5	87.6	61.9	47.6	32.7	
11	33.9	36.6	135.4	197.9	211.3	342.1	254.4	157.6	86.0	61.3	47.3	32.3	
12	33.8	35.9	138.2	194.2	206.3	316.2	253.8	155.4	84.5	60.7	47.2	32.1	
13	33.4	36.1	148.5	187.2	201.4	313.3	255.4	152.9	82.9	60.2	46.7	31.9	
14	33.4	36.9	163.5	181.6	196.5	316.2	258.0	149.1	82.0	59.9	46.3	31.8	
15	33.3	38.5	170.7	167.3	191.9	325.6	262.0	145.3	81.5	59.8	45.5	31.3	
16	33.5	40.6	199.3	164.9	184.5	333.1	270.1	143.3	80.3	59.6	44.7	30.8	
17	34.2	42.4	207.5	148.7	178.9	327.4	281.5	141.4	79.0	59.4	44.4	30.4	
18	34.3	44.3	197.9	142.5	173.5	318.8	289.3	138.8	78.2	59.4	44.1	29.8	
19	34.6	46.9	191.5	135.2	168.8	309.5	292.7	136.3	77.1	58.9	43.4	29.5	
20	34.9	47.6	181.6	129.1	159.3	300.6	295.2	133.6	76.3	58.5	42.9	28.9	
21	36.0	49.2	167.3	128.0	159.7	294.6	289.9	130.8	75.0	58.1	42.3	28.4	
22	37.2	51.6	151.7	127.5	170.9	286.0	287.6	128.6	74.3	57.5	41.7	28.2	
23	39.5	53.3	154.5	127.6	179.2	264.4	285.7	126.2	73.9	57.1	41.2	27.8	
24	42.2	55.2	153.3	141.9	196.0	253.8	267.6	123.2	72.3	56.9	40.7	27.4	
25	43.5	57.8	152.7	159.9	195.3	244.5	260.2	121.0	72.3	55.7	40.1	26.7	
26	43.6	59.6	155.8	158.9	198.6	234.8	251.5	118.3	71.3	54.9	39.7	25.8	
27	43.4	61.5	163.7	153.3	197.9	232.6	243.7	115.9	70.5	54.6	39.4	31.6	
28	42.8	63.1	156.2	153.7	199.0	230.6	210.8	113.0	69.5	54.1	38.7	29.6	
29	41.8	64.2	159.7	160.7	198.3	232.6	203.5	110.1	68.7	53.7	37.7	31.9	
30	40.7	65.8	164.7	166.8		235.1	198.3	107.5	68.5	53.3	37.2	33.7	
31	39.9		172.6	167.3		236.9		104.6		53.2	37.1		
MEAN	37.0	45.0	140.9	168.1	190.8	276.0	254.8	145.6	81.9	59.8	44.9	31.6	122.9
MAX.	43.6	65.8	207.5	200.0	212.5	342.1	295.2	193.1	107.5	67.8	52.9	36.9	342.1
MIN.	33.3	35.0	66.5	127.5	159.3	197.4	198.3	104.6	47.6	53.2	37.1	25.8	25.8

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^{2.2}$

[Flow Regime (m3/s)]:

Q(95day): 189.2    Q(185day): 90.8    Q(275day): 44.1    Q(355day): 30.8

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1980/81	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.18	1.57	1.36	3.18	3.93	5.85	5.61	4.14	2.70	2.13	1.75	1.41		
2	1.17	1.53	1.49	3.23	4.15	5.65	5.44	4.37	2.68	2.13	1.74	1.40		
3	1.26	1.50	1.55	3.16	3.88	5.57	5.26	4.39	2.66	2.11	1.74	1.40		
4	1.44	1.42	1.57	3.13	3.98	5.48	5.18	4.32	2.64	2.08	1.73	1.38		
5	1.37	1.39	1.58	3.07	3.94	5.68	5.29	4.28	2.61	2.06	1.72	1.37		
6	1.30	1.37	1.51	2.90	3.83	6.57	6.33	4.18	2.57	2.03	1.71	1.37		
7	1.39	1.34	1.44	2.83	3.80	6.81	4.96	4.01	2.55	2.02	1.70	1.37		
8	1.39	1.36	1.38	3.09	3.99	6.93	4.96	3.86	2.52	2.01	1.68	1.36		
9	1.38	1.41	1.27	3.10	4.01	7.28	4.72	3.73	2.50	2.01	1.67	1.35		
10	1.36	1.43	1.24	2.99	3.94	7.09	4.67	3.60	2.47	2.00	1.65	1.34		
11	1.34	1.47	1.35	2.94	3.87	6.90	4.60	3.50	2.44	1.98	1.64	1.32		
12	1.33	1.40	1.57	3.22	3.94	6.85	4.54	3.40	2.42	1.97	1.63	1.31		
13	1.30	1.37	1.71	3.18	4.01	6.82	4.50	3.33	2.40	1.96	1.62	1.31		
14	1.29	1.43	1.94	3.21	4.44	6.76	4.46	3.25	2.38	1.95	1.61	1.30		
15	1.28	1.46	1.98	3.40	4.72	6.49	4.40	3.19	2.37	1.93	1.59	1.28		
16	1.28	1.42	1.97	3.54	5.35	6.33	4.35	3.14	2.37	1.92	1.58	1.26		
17	1.29	1.40	2.04	3.69	5.50	6.16	4.29	3.09	2.34	1.91	1.57	1.25		
18	1.32	1.41	2.01	3.76	5.54	6.00	4.24	3.04	2.31	1.89	1.55	1.24		
19	1.32	1.41	2.05	4.23	5.62	5.79	4.21	2.97	2.27	1.89	1.53	1.22		
20	1.37	1.08	2.03	4.33	5.66	5.63	4.17	2.94	2.25	1.88	1.52	1.20		
21	1.38	1.09	2.19	4.45	5.58	5.54	4.14	2.92	2.24	1.88	1.51	1.18		
22	1.38	1.11	2.70	4.53	5.52	5.50	4.09	2.90	2.23	1.88	1.50	1.17		
23	1.45	1.13	2.71	4.42	5.51	5.47	4.04	2.88	2.23	1.87	1.49	1.16		
24	1.52	1.09	2.73	4.43	5.58	5.45	4.01	2.85	2.22	1.86	1.49	1.14		
25	1.56	1.62	2.75	4.42	5.84	5.42	4.00	2.83	2.20	1.84	1.48	1.13		
26	1.63	1.04	2.79	4.38	6.06	5.46	3.98	2.81	2.19	1.82	1.46	1.11		
27	1.79	1.03	2.81	4.30	6.21	5.47	3.95	2.80	2.19	1.80	1.48	1.09		
28	1.79	1.05	2.92	4.23	6.11	5.56	3.93	2.77	2.16	1.79	1.48	1.08		
29	1.76	1.07	3.08	4.01		5.63	3.96	2.75	2.15	1.79	1.45	1.08		
30	1.70	1.12	3.17	4.03		5.70	3.97	2.73	2.13	1.78	1.44	1.08		
31	1.61		3.18	3.93		5.65		2.72		1.76	1.43			
MEAN	1.42	1.32	2.07	3.66	4.80	6.05	4.51	3.34	2.38	1.93	1.59	1.26	2.85	
MAX.	1.79	1.62	3.18	4.53	6.21	7.28	5.61	4.39	2.70	2.13	1.75	1.41	7.28	
MIN.	1.17	1.03	1.24	2.83	3.80	5.42	3.93	2.72	2.13	1.76	1.43	1.08	1.03	

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1980/81	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	24.9	36.6	30.0	107.9	154.3	309.2	287.6	168.3	83.0	57.4	42.8	31.8		
2	24.7	35.3	34.1	110.8	169.0	290.7	272.0	184.9	82.0	57.1	42.3	31.3		
3	27.1	34.3	36.2	107.2	150.9	284.0	256.5	186.7	81.1	56.3	42.3	31.2		
4	32.7	32.0	36.7	105.5	157.4	275.8	249.7	181.4	80.1	55.3	42.1	30.7		
5	30.4	31.1	36.9	102.0	155.2	293.8	259.1	178.3	78.6	54.3	41.7	30.5		
6	28.4	30.6	34.7	93.2	147.3	381.5	262.6	171.8	76.6	53.2	41.3	30.5		
7	31.1	29.5	32.5	89.3	145.7	407.3	230.6	159.7	75.4	52.7	41.0	30.4		
8	30.9	30.0	30.7	103.1	158.2	420.0	230.8	149.5	74.1	52.5	40.4	30.1		
9	30.7	31.6	27.5	103.5	159.9	460.0	211.8	141.0	73.2	52.3	39.9	29.8		
10	30.1	32.3	26.8	97.5	155.2	438.7	207.5	133.1	71.8	51.9	39.4	29.4		
11	29.6	33.4	29.8	95.1	150.5	417.6	202.3	126.5	70.6	51.2	39.0	29.0		
12	29.1	31.4	36.7	110.3	155.0	411.9	198.1	121.0	69.5	50.7	38.6	28.8		
13	28.5	30.5	41.4	108.0	159.9	408.6	194.9	116.4	68.6	50.5	38.2	28.7		
14	28.2	32.1	49.6	109.9	190.6	401.7	191.5	112.2	68.0	50.0	38.1	28.3		
15	27.8	33.2	51.1	120.7	211.8	373.5	187.6	108.7	67.6	49.5	37.4	27.7		
16	27.7	31.9	50.7	129.3	264.2	356.6	183.4	106.0	67.2	49.1	37.1	27.3		
17	26.1	31.4	53.5	136.8	277.1	339.4	179.4	103.0	66.2	48.5	36.8	27.0		
18	26.9	31.5	52.5	143.1	280.4	323.8	175.7	100.3	64.8	47.9	36.2	26.7		
19	28.9	31.5	53.8	175.0	288.5	304.0	173.3	96.9	63.3	47.7	35.5	26.1		
20	30.3	22.3	53.3	182.2	291.8	289.0	170.7	95.1	62.3	47.6	35.1	25.7		
21	30.7	22.8	59.5	190.8	284.6	280.7	168.3	94.0	61.8	47.5	34.6	25.1		
22	30.7	23.3	82.7	196.7	279.1	277.1	164.9	93.0	61.4	47.4	34.3	24.8		
23	32.8	23.7	83.3	188.7	278.2	274.7	161.8	91.8	61.2	47.3	34.2	24.4		
24	35.1	22.6	84.4	189.9	284.3	272.8	159.5	90.5	60.8	46.8	34.0	24.1		
25	36.5	38.3	85.4	188.5	308.6	269.8	158.9	89.6	60.3	46.1	33.9	23.7		
26	38.7	21.5	87.4	186.0	329.5	273.3	157.6	88.2	59.9	45.2	33.7	23.3		
27	44.2	21.2	88.5	180.3	344.2	274.7	155.8	87.6	59.5	44.6	33.6	22.8		
28	44.1	21.8	94.0	175.0	334.3	282.4	153.9	86.4	58.6	44.3	33.7	22.5		
29	43.3	22.1	102.5	159.3		289.0	156.2	85.3	57.9	44.3	32.9	22.5		
30	41.2	23.6	107.5	160.7		295.5	157.0	84.5	57.3	43.7	32.5	22.3		
31	37.9		108.0	154.5		290.7		83.6		43.2	32.2			
MEAN	32.0	29.1	57.5	138.8	223.8	331.2	197.3	119.8	68.1	49.6	37.2	27.2	108.7	
MAX.	44.2	38.3	108.0	196.7	344.2	460.0	287.6	186.7	83.0	57.4	42.8	31.8	460.0	
MIN.	24.7	21.2	26.8	89.3	145.7	269.8	153.9	83.6	57.3	43.2	32.2	22.3	21.2	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 157.6      Q(185day): 60.8      Q(275day): 33.7      Q(355day): 22.8

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1981/82											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.06	0.82	1.39	1.42	3.07	4.22	2.77	2.58	1.81	1.34	1.14	1.01		
2	1.05	0.81	1.44	1.41	3.59	4.20	2.73	2.66	1.79	1.34	1.12	1.01		
3	1.04	0.80	1.48	1.42	3.63	4.11	2.70	2.64	1.78	1.33	1.10	1.00		
4	1.04	0.79	1.49	1.46	3.82	3.99	2.84	2.62	1.76	1.32	1.09	1.00		
5	1.02	0.78	1.47	1.48	3.85	3.91	2.94	2.59	1.75	1.31	1.09	0.99		
6	1.02	0.77	1.41	1.54	3.76	3.96	2.92	2.56	1.73	1.30	1.09	0.98		
7	1.04	0.77	1.33	1.77	3.56	3.94	2.91	2.55	1.71	1.29	1.09	0.98		
8	1.04	0.76	1.27	2.02	3.60	3.97	2.87	2.54	1.69	1.29	1.09	0.96		
9	1.06	0.74	1.28	1.75	3.74	3.93	2.82	2.53	1.67	1.28	1.08	0.95		
10	1.04	0.73	1.30	1.78	3.94	4.03	2.77	2.59	1.64	1.27	1.07	0.95		
11	1.01	0.73	1.37	2.08	4.17	4.01	2.71	2.47	1.62	1.27	1.07	0.94		
12	0.99	0.74	1.36	2.30	4.21	3.95	2.65	2.45	1.61	1.27	1.06	0.93		
13	0.98	0.76	1.70	2.36	4.21	3.87	2.59	2.40	1.60	1.26	1.07	0.93		
14	0.97	0.75	1.72	2.37	4.26	3.78	2.53	2.36	1.58	1.24	1.07	0.92		
15	0.96	0.76	1.77	2.21	4.43	3.72	2.50	2.32	1.57	1.22	1.06	0.91		
16	0.95	0.77	1.58	2.15	4.68	3.65	2.52	2.28	1.55	1.22	1.06	0.91		
17	0.94	0.78	1.70	2.43	4.87	3.59	2.52	2.24	1.55	1.21	1.05	0.90		
18	0.93	0.80	1.84	2.89	4.97	3.59	2.54	2.20	1.53	1.21	1.06	0.89		
19	0.91	0.81	1.70	2.59	5.04	3.42	2.61	2.17	1.51	1.20	1.07	0.88		
20	0.91	0.85	1.43	2.57	5.01	3.30	2.58	2.14	1.48	1.19	1.07	0.86		
21	0.90	1.12	1.27	2.47	4.91	3.23	2.60	2.10	1.47	1.18	1.07	0.85		
22	0.88	1.00	1.23	2.46	4.66	3.15	2.63	2.08	1.46	1.17	1.07	0.84		
23	0.85	1.05	1.22	2.52	4.58	3.08	2.68	2.05	1.44	1.19	1.06	0.83		
24	0.87	1.06	1.20	2.59	4.56	3.01	2.82	2.01	1.44	1.18	1.06	0.82		
25	0.86	1.05	1.17	2.67	4.57	2.95	2.79	1.98	1.42	1.17	1.05	0.81		
26	0.85	1.12	1.19	2.75	4.52	2.92	2.81	1.96	1.41	1.18	1.05	0.81		
27	0.85	1.14	1.24	2.75	4.30	2.92	2.76	1.93	1.40	1.17	1.05	0.80		
28	0.85	1.17	1.29	2.78	4.22	2.94	2.74	1.90	1.39	1.17	1.05	0.80		
29	0.84	1.21	1.34	3.03		2.95	2.69	1.88	1.37	1.16	1.04	0.82		
30	0.83	1.36	1.37	3.31		2.91	2.64	1.87	1.35	1.16	1.03	0.81		
31	0.83		1.42	3.29		2.85		1.84		1.16	1.01			
MEAN	0.95	0.89	1.42	2.28	4.24	3.55	2.71	2.27	1.57	1.23	1.07	0.90	1.91	
MAX.	1.06	1.36	1.84	3.31	5.04	4.22	2.94	2.66	1.81	1.34	1.14	1.01	5.04	
MIN.	0.83	0.73	1.17	1.41	3.07	2.85	2.50	1.84	1.35	1.16	1.01	0.80	0.73	

*QM* ST.: 4-200 MPATAMATO		YEAR : 1981/82											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	22.0	16.3	31.1	31.9	102.0	173.9	86.4	77.0	44.8	29.6	24.1	20.7		
2	21.7	16.1	32.7	31.7	132.5	172.8	84.2	80.9	44.2	29.4	23.4	20.6		
3	21.5	15.8	33.9	31.9	134.8	166.4	83.0	80.1	43.7	29.3	22.9	20.5		
4	21.3	15.5	34.2	33.1	147.1	158.0	90.1	79.0	43.2	29.0	22.8	20.4		
5	20.9	15.4	33.5	33.9	149.1	152.7	95.3	77.7	42.7	28.6	22.8	20.3		
6	20.9	15.2	31.7	35.7	142.9	156.0	94.2	76.3	41.9	28.3	22.7	20.0		
7	21.3	15.2	29.3	43.5	130.4	155.0	93.4	75.7	41.4	28.2	22.6	19.8		
8	21.4	15.0	27.6	52.9	132.7	157.2	91.5	75.1	40.9	28.0	22.5	19.5		
9	21.8	14.5	27.8	42.9	141.7	154.1	88.7	74.6	40.0	27.8	22.4	19.2		
10	21.5	14.3	28.3	44.0	155.2	160.9	86.2	77.6	39.0	27.6	22.2	19.2		
11	20.6	14.3	30.6	55.3	170.9	159.5	83.3	72.2	38.5	27.6	22.1	19.0		
12	20.2	14.7	30.2	64.2	173.3	155.4	80.6	70.9	38.1	27.5	21.9	18.8		
13	20.0	15.0	41.2	67.0	173.3	150.1	77.4	68.7	37.7	27.4	22.2	18.7		
14	19.7	14.8	41.8	67.6	177.0	144.3	74.8	66.8	37.0	26.8	22.2	18.5		
15	19.4	15.0	43.5	60.7	189.6	140.2	73.3	65.2	36.6	26.2	21.9	18.4		
16	19.2	15.2	37.0	57.9	208.9	135.9	74.1	63.4	36.1	26.1	21.8	18.4		
17	19.0	15.4	41.1	70.2	223.4	132.1	74.3	61.7	35.9	25.9	21.8	18.1		
18	18.7	15.8	46.2	92.6	231.3	132.1	75.3	60.2	35.5	25.8	21.9	17.8		
19	18.4	16.1	41.2	77.7	237.4	121.8	78.4	58.9	34.9	25.5	22.1	17.6		
20	18.2	16.9	32.1	76.4	234.8	115.1	77.0	57.5	33.6	25.2	22.1	17.2		
21	18.0	23.4	27.6	71.9	227.1	111.1	78.2	56.0	33.4	24.9	22.2	16.9		
22	17.7	20.4	26.4	71.6	207.2	106.5	79.5	55.2	33.1	24.8	22.2	16.6		
23	17.0	21.8	26.0	74.1	200.9	102.8	81.7	53.9	32.7	25.2	22.0	16.4		
24	17.3	22.0	25.5	77.7	199.0	99.0	88.7	52.6	32.4	24.9	21.8	16.3		
25	17.2	21.7	24.8	81.5	200.2	95.6	87.3	51.2	32.0	24.9	21.8	16.0		
26	17.0	23.4	25.4	85.4	196.0	93.8	88.3	50.5	31.5	24.9	21.7	16.0		
27	17.0	24.0	26.7	85.4	179.8	93.8	86.0	49.5	31.2	24.9	21.7	15.9		
28	17.0	24.8	28.2	86.7	174.1	95.0	84.8	48.3	30.9	24.7	21.6	15.9		
29	16.8	25.9	29.7	99.7		95.4	82.3	47.5	30.5	24.6	21.4	16.2		
30	16.5	30.1	30.4	115.3		93.4	79.8	46.9	29.9	24.5	21.2	16.1		
31	16.5		31.9	114.4		90.4		46.2		24.4	20.8			
MEAN	19.2	18.1	32.2	65.6	177.6	131.3	83.3	63.8	36.8	26.5	22.2	18.2	57.1	
MAX.	22.0	30.1	46.2	115.3	237.4	173.9	95.3	80.9	44.8	29.6	24.1	20.7	237.4	
MIN.	16.5	14.3	24.8	31.7	102.0	90.4	73.3	46.2	29.9	24.4	20.8	15.9	14.3	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[ Flow Regime (m3/s) ]:

Q(95day): 77.7    Q(185day): 32.0    Q(275day): 21.8    Q(355day): 15.2

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1982/83											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.80	0.91	2.07	2.86	4.79	4.36	3.07	2.56	1.75	1.48	1.22	1.05		
2	0.80	0.90	2.12	2.86	4.81	4.33	3.02	2.51	1.73	1.48	1.22	1.04		
3	0.80	0.87	2.38	2.53	4.81	4.32	2.99	2.48	1.71	1.47	1.22	1.02		
4	0.80	0.86	2.57	2.41	4.73	4.34	2.95	2.44	1.69	1.47	1.22	1.01		
5	0.79	0.85	2.53	2.34	4.72	4.31	2.90	2.40	1.68	1.46	1.21	1.00		
6	0.78	0.85	2.36	2.35	4.72	4.26	2.97	2.34	1.66	1.45	1.21	0.99		
7	0.77	0.84	2.38	2.58	4.71	4.37	3.05	2.33	1.66	1.44	1.21	0.98		
8	0.77	0.82	2.36	2.69	4.73	4.58	3.22	2.30	1.66	1.44	1.21	0.97		
9	0.78	0.80	2.30	2.64	4.77	4.61	3.32	2.29	1.65	1.44	1.21	0.97		
10	0.78	0.80	2.28	2.65	4.97	4.59	3.36	2.28	1.65	1.43	1.21	0.97		
11	0.78	0.81	2.28	2.69	5.14	4.55	3.42	2.25	1.64	1.43	1.20	0.96		
12	0.76	0.87	2.27	2.71	5.25	4.53	3.44	2.22	1.63	1.41	1.19	0.96		
13	0.75	0.80	2.19	2.64	5.22	4.52	3.46	2.19	1.62	1.40	1.18	0.96		
14	0.76	0.82	2.25	2.55	5.25	4.51	3.45	2.17	1.61	1.38	1.17	0.95		
15	0.76	0.98	2.32	2.65	5.31	4.50	3.39	2.14	1.60	1.37	1.16	0.95		
16	0.76	1.13	2.38	2.64	5.55	4.49	3.22	2.10	1.59	1.37	1.16	0.94		
17	0.75	1.22	2.71	2.61	5.95	4.47	3.10	2.07	1.57	1.36	1.15	0.93		
18	0.75	1.31	2.62	2.60	6.25	4.14	3.00	2.05	1.53	1.35	1.14	0.92		
19	0.75	1.30	2.70	2.61	6.26	4.00	2.93	2.03	1.52	1.35	1.13	0.90		
20	0.86	1.23	2.77	2.63	6.14	3.92	2.85	2.00	1.51	1.34	1.12	0.84		
21	0.82	1.23	2.93	2.66	6.05	3.88	2.76	1.98	1.51	1.34	1.12	0.81		
22	1.08	1.23	3.12	2.70	5.82	3.95	2.71	1.96	1.50	1.33	1.11	0.79		
23	1.36	1.27	3.15	2.97	5.58	3.90	2.66	1.93	1.50	1.31	1.10	0.79		
24	1.38	1.31	3.24	3.07	5.48	3.83	2.62	1.91	1.50	1.30	1.10	0.78		
25	1.39	1.34	3.29	4.05	5.17	3.74	2.62	1.89	1.51	1.29	1.09	0.78		
26	1.37	1.37	3.03	4.28	4.95	3.62	2.61	1.86	1.50	1.27	1.08	0.77		
27	1.36	1.44	2.98	4.51	4.60	3.55	2.54	1.84	1.50	1.27	1.07	0.77		
28	1.21	1.61	2.96	4.55	4.55	3.48	2.61	1.83	1.50	1.27	1.07	0.77		
29	1.03	1.73	2.92	4.57		3.40	2.63	1.80	1.49	1.26	1.07	0.76		
30	0.98	1.69	2.88	4.69		3.40	2.61	1.78	1.48	1.26	1.06	0.74		
31	0.93		2.87	4.79		3.17		1.76		1.24	1.05			
MEAN	0.92	1.11	2.62	3.07	5.22	4.12	2.98	2.12	1.59	1.37	1.15	0.90	2.25	
MAX.	1.39	1.73	3.29	4.79	6.26	4.61	3.46	2.56	1.75	1.48	1.22	1.05	6.26	
MIN.	0.75	0.80	2.07	2.34	4.55	3.17	2.54	1.76	1.48	1.24	1.05	0.74	0.74	

*QM* ST.: 4-200 MPATAMATO		YEAR : 1982/83											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	15.9	18.4	54.9	90.8	217.3	184.5	102.0	76.1	42.8	33.7	26.1	21.5		
2	15.8	18.0	56.8	90.7	218.5	182.5	99.3	73.7	42.1	33.6	26.1	21.3		
3	15.9	17.5	68.0	74.8	218.7	181.6	97.7	72.6	41.4	33.5	26.0	21.0		
4	15.8	17.1	76.7	69.3	212.2	183.1	95.6	70.4	40.5	33.4	26.0	20.7		
5	15.5	17.0	74.8	66.3	211.8	180.7	93.2	68.7	40.3	33.1	25.9	20.5		
6	15.4	16.9	67.0	66.6	211.3	177.4	96.4	66.3	39.8	32.9	25.9	20.2		
7	15.1	16.7	68.0	77.1	211.0	185.1	101.0	65.6	39.7	32.7	25.9	20.0		
8	15.2	16.2	67.0	82.3	212.2	201.1	110.1	64.6	39.5	32.5	25.9	19.7		
9	15.4	15.7	64.2	79.9	215.6	203.5	116.0	63.9	39.4	32.4	25.8	19.7		
10	15.4	15.9	63.6	80.3	231.6	201.6	118.5	63.5	39.2	32.3	25.8	19.7		
11	15.4	16.1	63.5	82.3	246.0	198.3	121.8	62.1	39.0	32.1	25.6	19.5		
12	15.0	17.3	63.1	83.5	255.2	196.7	123.4	60.8	38.8	31.7	25.3	19.5		
13	14.8	15.7	59.6	80.1	252.5	196.3	124.3	59.8	38.5	31.2	25.1	19.4		
14	15.0	16.2	62.3	75.6	254.9	195.8	123.8	58.8	37.9	30.8	24.8	19.3		
15	15.0	19.9	65.4	80.3	260.2	195.1	120.3	57.5	37.7	30.5	24.5	19.2		
16	15.0	23.7	68.0	80.1	282.1	194.0	110.1	56.1	37.4	30.3	24.4	19.0		
17	14.8	26.0	83.3	78.3	319.4	192.1	103.6	54.8	36.7	30.0	24.2	18.7		
18	14.7	28.8	79.0	77.9	348.8	188.8	98.3	54.1	35.3	29.9	24.1	18.5		
19	14.7	28.5	82.9	78.6	349.8	158.1	94.6	53.2	35.0	29.8	23.7	18.0		
20	17.1	26.5	86.5	79.3	337.6	153.7	90.4	52.2	34.9	29.6	23.6	16.7		
21	16.2	26.5	94.5	81.1	328.6	150.7	86.0	51.2	34.7	29.5	23.4	16.0		
22	22.3	26.4	104.8	83.0	306.6	155.6	83.2	50.4	34.5	29.1	23.2	15.7		
23	30.2	27.6	106.5	96.7	284.6	152.1	80.8	49.3	34.5	28.7	22.9	15.5		
24	30.8	28.8	111.5	102.0	275.8	147.9	79.2	48.4	34.5	28.3	22.9	15.4		
25	30.9	29.7	114.1	162.2	248.1	141.7	78.9	47.9	34.7	27.7	22.8	15.4		
26	30.4	30.3	99.8	178.5	230.1	134.2	78.3	46.7	34.4	27.6	22.5	15.3		
27	30.0	32.7	97.2	195.6	202.5	130.1	75.1	46.1	34.4	27.6	22.2	15.2		
28	25.8	38.0	96.1	198.8	198.3	125.6	78.6	45.5	34.3	27.6	22.2	15.1		
29	21.1	42.1	93.8	199.7		120.7	79.6	44.7	34.0	27.4	22.1	15.0		
30	20.0	40.6	91.8	209.1		121.0	78.4	44.0	33.9	27.2	21.9	14.7		
31	18.8		91.5	216.8		107.3		43.2		26.8	21.7			
MEAN	18.8	23.7	79.9	106.4	255.0	168.3	98.0	57.2	37.3	30.4	24.3	18.2	75.3	
MAX.	30.9	42.1	114.1	216.8	349.8	203.5	124.3	76.1	42.8	33.7	26.1	21.5	349.8	
MIN.	14.7	15.7	54.9	66.3	198.3	107.3	75.1	43.2	33.9	26.8	21.7	14.7	14.7	

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 93.8      Q(185day): 42.1      Q(275day): 25.3      Q(355day): 15.1



<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*		ST.: 4-200 MPATAMATO												YEAR : 1983/84	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.74	0.73	1.03	3.54	2.82	4.90	3.75	2.03	1.49	1.22	1.06	0.90			
2	0.74	0.73	1.06	3.56	2.83	4.86	3.90	2.02	1.48	1.22	1.06	0.90			
3	0.74	0.72	1.12	3.56	2.83	4.78	3.96	1.99	1.47	1.21	1.05	0.89			
4	0.73	0.71	1.15	3.62	2.82	4.76	3.91	1.97	1.45	1.21	1.05	0.88			
5	0.73	0.70	1.15	3.72	2.79	4.75	3.80	1.93	1.45	1.20	1.05	0.86			
6	0.73	0.70	1.11	3.70	2.78	4.71	3.76	1.90	1.43	1.20	1.03	0.84			
7	0.72	0.70	1.11	3.82	2.83	4.68	3.72	1.87	1.42	1.19	1.02	0.84			
8	0.72	0.69	1.15	3.92	2.89	4.60	3.64	1.84	1.39	1.19	1.02	0.83			
9	0.72	0.68	1.17	3.99	2.99	4.53	3.47	1.81	1.38	1.18	1.01	0.82			
10	0.72	0.67	1.14	3.87	3.19	4.48	3.32	1.77	1.37	1.18	1.01	0.81			
11	0.72	0.67	1.12	3.72	3.38	4.42	3.19	1.76	1.35	1.18	0.99	0.81			
12	0.71	0.66	1.04	3.58	3.41	4.34	3.09	1.74	1.34	1.17	0.99	0.79			
13	0.70	0.65	1.13	3.36	3.41	4.29	2.94	1.72	1.34	1.17	0.98	0.78			
14	0.70	0.63	1.18	3.44	3.45	4.24	2.88	1.69	1.33	1.17	0.98	0.78			
15	0.70	0.66	1.33	3.84	3.55	4.17	2.83	1.66	1.33	1.16	0.98	0.77			
16	0.70	0.73	1.36	4.01	3.62	4.03	2.75	1.64	1.33	1.16	0.98	0.76			
17	0.70	0.79	1.42	3.93	3.67	3.94	2.71	1.62	1.32	1.15	0.98	0.76			
18	0.78	0.76	1.43	3.84	3.69	3.91	2.66	1.61	1.32	1.15	0.97	0.76			
19	0.83	0.75	1.43	3.79	3.59	3.86	2.56	1.57	1.31	1.14	0.96	0.76			
20	0.83	0.74	1.50	3.62	3.54	3.81	2.49	1.56	1.30	1.14	0.95	0.75			
21	0.83	0.76	1.51	3.45	3.57	3.72	2.42	1.56	1.28	1.13	0.94	0.74			
22	0.84	0.78	1.62	3.37	3.70	3.59	2.38	1.52	1.28	1.13	0.94	0.73			
23	0.85	0.78	1.83	3.32	3.85	3.54	2.33	1.52	1.27	1.13	0.94	0.73			
24	0.86	0.79	2.23	3.17	4.06	3.53	2.29	1.52	1.26	1.12	0.93	0.73			
25	0.85	0.79	2.30	3.02	4.18	3.50	2.23	1.52	1.26	1.12	0.93	0.73			
26	0.84	0.83	2.20	2.92	4.24	3.46	2.19	1.51	1.24	1.12	0.93	0.73			
27	0.82	0.98	2.43	2.84	4.45	3.44	2.14	1.51	1.23	1.11	0.92	0.73			
28	0.80	1.00	2.65	2.78	4.61	3.44	2.08	1.50	1.23	1.10	0.92	0.72			
29	0.78	0.99	2.93	2.80	4.66	3.44	2.05	1.50	1.22	1.09	0.91	0.70			
30	0.75	1.01	3.22	2.80		3.49	2.05	1.49	1.22	1.08	0.91	0.72			
31	0.73		3.39	2.82		3.55		1.49		1.07	0.90				
MEAN	0.76	0.76	1.63	3.48	3.50	4.09	2.92	1.69	1.34	1.15	0.98	0.78	1.92		
MAX.	0.86	1.01	3.39	4.01	4.66	4.90	3.96	2.03	1.49	1.22	1.06	0.90	4.90		
MIN.	0.70	0.63	1.03	2.78	2.78	3.44	2.05	1.49	1.22	1.07	0.90	0.70	0.63		

*QM*		ST.: 4-200 MPATAMATO												YEAR : 1983/84	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	14.7	14.4	21.2	129.3	89.0	225.6	142.3	53.3	34.0	26.0	21.9	18.0			
2	14.5	14.5	21.9	130.6	89.3	222.7	151.9	52.9	33.8	26.0	21.8	18.0			
3	14.5	14.2	23.6	130.6	89.6	216.6	156.4	51.7	33.4	25.9	21.8	17.8			
4	14.5	14.0	24.2	134.2	89.0	215.1	152.7	50.7	33.0	25.8	21.7	17.6			
5	14.3	13.8	24.2	140.2	87.1	213.9	145.7	49.3	32.8	25.7	21.6	17.2			
6	14.3	13.7	23.1	139.4	86.8	211.0	142.7	48.1	32.1	25.6	21.2	16.8			
7	14.2	13.8	23.3	146.9	89.3	208.4	140.4	47.2	31.9	25.4	21.0	16.6			
8	14.2	13.6	24.3	153.7	92.6	202.3	135.2	45.9	31.1	25.2	20.9	16.4			
9	14.1	13.4	24.8	158.2	97.7	196.7	125.0	44.8	30.7	25.0	20.7	16.2			
10	14.1	13.2	24.1	150.3	108.9	193.5	116.2	43.5	30.4	25.0	20.6	16.1			
11	14.1	13.1	23.3	140.6	119.6	189.0	108.4	43.0	29.8	24.9	20.3	16.1			
12	13.9	12.9	21.5	131.4	121.2	183.1	103.3	42.3	29.6	24.9	20.1	15.7			
13	13.8	12.7	23.7	118.2	121.2	179.2	95.3	41.7	29.4	24.9	20.0	15.4			
14	13.7	12.4	25.0	123.4	123.8	175.7	91.8	40.6	29.2	24.7	19.9	15.4			
15	13.8	13.1	29.2	148.5	129.9	170.5	89.6	39.6	29.2	24.6	19.9	15.2			
16	13.8	14.3	30.2	159.7	134.2	161.2	85.1	39.0	29.1	24.5	19.8	15.0			
17	13.8	15.7	31.9	154.5	137.3	155.0	83.2	38.4	29.0	24.3	19.8	15.0			
18	15.5	14.9	32.2	148.1	138.2	152.7	80.9	38.1	28.9	24.1	19.7	15.0			
19	16.5	14.8	32.2	145.3	132.3	149.7	76.3	36.6	28.6	24.0	19.5	15.0			
20	16.4	14.7	34.4	134.4	128.9	146.5	72.9	36.4	28.3	23.9	19.2	14.8			
21	16.5	15.0	34.9	123.9	131.0	140.6	69.8	36.3	27.8	23.8	19.0	14.7			
22	16.8	15.4	38.3	119.2	139.2	132.1	68.0	35.2	27.8	23.7	18.9	14.4			
23	16.9	15.4	45.7	116.0	148.7	129.5	65.5	35.2	27.6	23.7	18.9	14.3			
24	17.1	15.5	61.6	107.3	163.2	128.6	64.0	35.1	27.3	23.6	18.8	14.3			
25	16.9	15.6	64.2	99.3	171.5	126.7	61.6	35.0	27.1	23.5	18.7	14.3			
26	16.6	16.5	60.0	94.2	175.9	124.5	59.5	34.8	26.7	23.4	18.7	14.4			
27	16.3	20.0	70.2	89.7	191.0	123.4	57.8	34.6	26.4	23.2	18.6	14.3			
28	15.9	20.3	80.2	86.8	203.5	123.4	55.3	34.5	26.3	22.9	18.5	14.2			
29	15.4	20.3	94.5	87.7	207.0	123.2	54.2	34.4	26.1	22.6	18.4	13.8			
30	14.8	20.6	110.4	88.0		126.3	53.8	34.2	26.1	22.4	18.3	14.2			
31	14.5		120.0	88.8		129.9		34.1		22.1	18.1				
MEAN	15.0	15.1	41.9	126.4	128.9	167.0	96.8	40.9	29.5	24.4	19.9	15.5	59.9		
MAX.	17.1	20.6	120.0	159.7	207.0	225.6	156.4	53.3	34.0	26.0	21.9	18.0	225.6		
MIN.	13.7	12.4	21.2	86.8	86.8	123.2	53.8	34.1	26.1	22.1	18.1	13.8	12.4		

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 92.6      Q(185day): 29.1      Q(275day): 18.6      Q(355day): 13.8

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 4-200 MPATAMATO		YEAR : 1984/85											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.72	0.62	1.06	3.96	5.59	5.27	5.19	3.77	2.56	1.96	1.56	1.37	
2	0.71	0.61	1.09	3.93	5.81	5.25	5.08	3.72	2.55	1.95	1.55	1.36	
3	0.70	0.63	1.14	3.89	6.17	5.22	4.85	3.70	2.52	1.94	1.54	1.36	
4	0.70	0.66	1.20	3.86	6.30	5.18	4.75	3.68	2.52	1.92	1.54	1.36	
5	0.74	0.67	1.38	3.65	6.44	5.16	4.68	3.55	2.50	1.91	1.53	1.35	
6	0.77	0.68	1.54	3.61	6.52	5.13	4.69	3.49	2.45	1.90	1.54	1.34	
7	0.76	0.72	1.73	3.90	6.49	5.10	4.88	3.46	2.43	1.89	1.54	1.34	
8	0.77	0.78	2.07	4.14	6.38	5.23	5.06	3.40	2.40	1.89	1.54	1.33	
9	0.77	0.83	2.31	4.47	6.27	5.68	5.16	3.37	2.37	1.88	1.53	1.33	
10	0.76	1.00	2.39	4.78	6.24	5.82	5.23	3.54	2.36	1.88	1.53	1.32	
11	0.75	1.05	2.36	5.17	6.36	5.71	5.23	3.58	2.33	1.88	1.53	1.31	
12	0.73	1.10	2.31	5.37	6.48	5.54	5.16	3.37	2.31	1.87	1.53	1.31	
13	0.73	1.16	2.30	5.39	6.45	5.31	5.09	3.18	2.28	1.84	1.53	1.31	
14	0.72	1.20	2.32	5.36	6.79	5.26	5.00	3.23	2.26	1.82	1.52	1.30	
15	0.71	1.21	2.34	5.18	6.86	5.10	4.88	3.34	2.24	1.80	1.52	1.30	
16	0.70	1.26	2.78	5.03	6.84	5.06	4.77	3.32	2.21	1.78	1.52	1.31	
17	0.70	1.37	3.62	4.65	6.79	5.00	4.68	3.31	2.20	1.77	1.51	1.30	
18	0.70	1.46	3.76	4.37	6.61	4.84	4.59	3.29	2.19	1.75	1.50	1.28	
19	0.70	1.21	4.22	4.19	6.40	4.73	4.48	3.26	2.16	1.74	1.48	1.26	
20	0.69	1.14	4.91	4.14	6.21	4.75	4.40	3.21	2.13	1.73	1.47	1.24	
21	0.69	1.13	5.39	4.08	6.07	4.81	4.33	3.16	2.11	1.73	1.46	1.23	
22	0.69	1.10	5.92	4.26	5.94	5.03	4.29	3.09	2.09	1.72	1.46	1.21	
23	0.69	1.05	6.02	4.35	5.81	5.36	4.21	2.99	2.08	1.70	1.45	1.19	
24	0.68	1.07	5.96	4.20	5.64	5.43	4.16	2.91	2.06	1.69	1.45	1.17	
25	0.67	1.09	5.84	4.16	5.54	5.41	4.10	2.87	2.05	1.67	1.44	1.16	
26	0.67	1.10	4.99	4.50	5.39	5.40	4.04	2.81	2.04	1.64	1.42	1.16	
27	0.66	1.06	4.42	4.77	5.31	5.42	3.98	2.76	2.02	1.61	1.42	1.15	
28	0.66	1.06	4.30	5.10	5.29	5.53	3.91	2.72	2.01	1.58	1.40	1.14	
29	0.66	1.05	4.07	5.20		5.53	3.86	2.69	2.00	1.57	1.39	1.12	
30	0.65	1.06	4.01	5.37		5.43	3.83	2.65	1.98	1.57	1.37	1.11	
31	0.64		4.00	5.44		5.29		2.62		1.56	1.37		
MEAN	0.71	1.00	3.28	4.53	6.18	5.26	4.62	3.23	2.25	1.78	1.49	1.27	2.95
MAX.	0.77	1.46	6.02	5.44	6.86	5.82	5.23	3.77	2.56	1.96	1.56	1.37	6.86
MIN.	0.64	0.61	1.06	3.61	5.29	4.73	3.83	2.62	1.98	1.56	1.37	1.11	0.61

*QM* ST.: 4-200 MPATAMATO		YEAR : 1984/85											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	14.2	12.2	22.0	156.4	285.1	257.0	249.9	143.7	76.0	50.5	36.3	30.3	
2	13.9	12.1	22.7	154.1	305.7	255.7	241.2	140.6	75.4	50.0	36.0	30.2	
3	13.8	12.4	23.9	151.3	340.9	253.1	221.9	139.2	74.4	49.6	35.8	30.1	
4	13.8	13.1	25.7	149.5	353.8	248.9	214.4	137.9	74.1	49.1	35.6	30.0	
5	14.5	13.2	30.7	136.1	367.8	247.3	208.4	129.9	73.4	48.7	35.5	29.8	
6	15.1	13.4	35.8	133.8	376.1	244.8	209.4	126.0	71.1	48.2	35.8	29.7	
7	15.0	14.2	42.2	152.5	373.2	242.2	224.6	124.3	70.0	48.0	35.7	29.5	
8	15.2	15.4	54.7	168.3	361.5	253.3	238.9	121.0	68.7	47.9	35.6	29.2	
9	15.2	16.4	65.0	192.8	350.7	293.2	247.3	118.9	67.5	47.6	35.5	29.2	
10	15.0	20.3	68.2	216.3	347.6	306.6	253.6	129.1	67.0	47.5	35.4	29.0	
11	14.8	21.6	67.0	248.4	359.7	296.3	253.6	131.4	65.8	47.4	35.4	28.8	
12	14.4	22.9	64.7	265.0	371.9	281.3	247.3	119.2	64.7	47.1	35.3	28.7	
13	14.3	24.6	64.2	267.4	369.4	260.4	241.7	107.9	63.6	46.2	35.3	28.6	
14	14.1	25.6	65.2	264.7	405.0	255.9	233.8	111.1	62.5	45.3	35.2	28.5	
15	13.9	25.9	66.0	249.4	412.6	242.5	224.4	117.3	61.8	44.7	35.2	28.5	
16	13.8	27.1	87.0	236.9	410.9	238.9	215.8	116.2	60.7	43.8	35.1	28.6	
17	13.8	30.4	134.2	206.3	405.0	234.6	208.2	115.5	60.3	43.5	34.9	28.3	
18	13.8	33.2	142.9	185.4	386.0	221.2	201.4	114.4	59.6	42.9	34.4	27.9	
19	13.7	25.9	173.9	172.0	364.0	212.2	193.5	112.5	58.6	42.4	33.8	27.3	
20	13.7	23.9	226.8	168.8	345.2	214.4	187.4	109.6	57.4	42.1	33.4	26.8	
21	13.6	23.7	267.9	164.7	330.7	219.0	182.0	106.8	56.5	41.9	33.2	26.4	
22	13.5	22.9	316.5	177.2	317.9	236.9	178.9	103.3	55.8	41.8	33.1	25.9	
23	13.5	21.7	325.6	183.6	305.7	265.2	173.3	97.9	55.2	41.1	33.0	25.4	
24	13.4	22.1	320.0	172.8	290.4	270.9	170.0	93.7	54.6	40.5	32.8	24.9	
25	13.2	22.7	308.6	169.8	280.4	269.5	166.0	91.5	54.2	39.9	32.5	24.5	
26	13.1	22.9	233.1	194.4	267.9	268.2	162.0	88.5	53.5	39.0	32.0	24.4	
27	13.1	22.0	189.0	215.8	260.7	270.3	157.8	85.9	52.9	37.9	31.9	24.2	
28	13.0	21.8	180.3	242.7	258.6	279.6	152.9	83.6	52.5	37.1	31.4	24.0	
29	12.9	21.5	163.9	250.7		279.9	149.7	82.6	51.9	36.7	30.9	23.6	
30	12.8	21.8	159.3	265.8		270.6	147.3	80.6	51.2	36.6	30.6	23.3	
31	12.6		159.1	271.7		258.3		79.0		36.4	30.4		
MEAN	13.9	20.9	132.4	199.5	343.0	256.4	205.2	111.6	62.4	43.9	34.1	27.5	119.5
MAX.	15.2	33.2	325.6	271.7	412.6	306.6	253.6	143.7	76.0	50.5	36.3	30.3	412.6
MIN.	12.6	12.1	22.0	133.8	258.6	212.2	147.3	79.0	51.2	36.4	30.4	23.3	12.1

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^{2.5}$

[Flow Regime (m3/s)]:

Q(95day): 208.2      Q(185day): 64.7      Q(275day): 30.1      Q(355day): 13.2

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1985/86	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	3.62	3.08	4.12	9.73	16.48	19.57	20.79	18.09	10.92	8.26	6.80			
2	3.58	3.06	4.24	9.71	18.97	19.87	20.45	17.85	10.84	8.24	6.76			
3	3.52	3.09	4.40	9.68	20.14	19.70	20.18	17.83	10.80	8.21	6.73			
4	3.50	3.30	4.72	9.65	21.43	19.56	19.95	17.74	10.69	8.17	6.72			
5	3.48	3.63	4.97	9.64	22.01	10.49	19.71	17.70	10.59	8.13	6.70			
6	3.47	3.69	4.86	9.85	21.43	19.43	19.39	17.50	10.51	8.07	6.66			
7	3.45	3.70	4.88	10.50	20.97	19.42	19.09	15.26	10.46	8.01	6.61			
8	3.43	3.76	5.35	10.99	20.95	19.61	18.84	14.88	10.46	7.96	6.59			
9	3.41	4.14	5.89	11.54	20.90	19.90	18.56	14.60	10.44	7.92	6.58			
10	3.39	4.34	5.96	12.16	20.86	20.76	18.15	14.31	10.43	7.88	6.54			
11	3.34	4.46	6.13	12.83	20.85	21.09	17.92	14.23	10.42	7.83	6.45			
12	3.33	4.53	6.17	13.43	20.91	21.30	17.64	14.15	10.41	7.86	6.41			
13	3.32	4.73	5.83	13.67	21.05	21.40	17.33	14.04	10.40	7.70	6.37			
14	3.31	5.04	5.81	13.37	21.05	21.16	17.01	13.93	10.39	7.64	6.34			
15	3.30	5.33	6.31	12.95	21.00	20.99	16.71	13.75	10.33	7.60	6.31			
16	3.31	5.11	6.44	12.67	20.85	21.14	16.63	13.64	10.26	7.56	6.27			
17	3.30	5.04	6.90	12.10	20.59	21.28	16.90	13.50	10.20	7.51	6.21			
18	3.26	5.01	7.87	11.77	20.04	21.42	17.26	13.37	9.70	7.45	6.16			
19	3.18	4.72	8.62	11.33	19.74	21.57	17.65	13.15	9.52	7.38	6.07			
20	3.15	4.37	10.18	10.80	19.26	21.09	17.88	12.81	9.35	7.30	5.96			
21	3.16	4.25	10.66	11.06	18.75	21.25	18.56	12.41	8.96	7.25	5.92			
22	3.17	3.99	10.68	11.53	18.78	22.35	19.29	12.21	8.87	7.18	5.85			
23	3.20	3.90	10.73	12.07	18.96	22.49	20.15	12.12	8.75	7.14	5.80			
24	3.18	3.80	10.77	12.24	19.30	22.56	20.54	11.98	8.65	7.11	5.74			
25	3.08	3.71	10.80	12.18	19.57	22.63	20.67	11.84	8.57	7.09	5.69			
26	3.08	3.67	10.72	12.54	19.67	22.80	20.60	11.76	8.52	7.03	5.65			
27	3.07	3.72	10.61	13.52	19.41	22.88	20.34	11.65	8.48	6.99	5.62			
28	3.06	3.85	10.45	13.81	19.25	21.30	20.01	11.58	8.41	6.96	5.58			
29	3.05	4.11	10.20	14.31		21.23	19.45	11.48	8.34	6.92	5.52			
30	3.05	4.02		14.69		21.17	18.61	11.31	8.29	6.87	5.47			
31	3.07			15.41		21.08		11.24		6.84	5.43			

MEAN  
MAX.  
MIN.

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1985/86	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	25.7	21.4	30.3	115.6	301.6	417.2	468.1	359.4	141.7	87.1	63.2	43.0		
2	25.4	21.2	31.4	115.1	393.2	429.4	453.6	350.5	139.9	86.8	62.6	42.7		
3	24.9	21.5	33.0	114.5	440.6	422.5	442.2	349.7	139.0	86.2	62.1	42.2		
4	24.7	23.1	36.4	113.9	495.9	416.8	432.7	346.4	136.5	85.5	62.0	41.8		
5	24.5	25.8	39.1	113.7	521.9	411.9	422.9	344.9	134.2	84.8	61.7	41.4		
6	24.5	26.3	37.9	118.1	495.9	411.5	409.9	337.6	132.4	83.8	61.1	41.0		
7	24.3	26.4	38.1	132.2	475.8	411.1	398.0	261.2	131.3	82.7	60.4	40.6		
8	24.1	26.9	43.6	143.4	475.0	418.8	398.1	249.3	131.3	81.8	60.1	40.3		
9	24.0	30.5	50.4	156.5	472.8	430.6	377.3	240.6	130.8	81.2	59.9	40.0		
10	23.8	32.4	51.3	172.0	471.1	466.8	361.7	231.8	130.6	80.5	59.3	39.8		
11	23.4	33.6	53.6	189.7	470.6	481.0	353.1	229.5	130.4	79.6	58.0	39.6		
12	23.3	34.4	54.1	206.2	473.2	490.2	342.7	227.1	130.2	80.1	57.5	39.3		
13	23.2	36.5	49.6	213.1	479.3	494.6	331.5	223.8	129.9	77.4	56.9	39.2		
14	23.2	39.9	49.3	204.6	479.3	485.0	320.1	220.6	129.7	76.4	56.5	38.9		
15	23.1	43.3	56.1	192.9	477.1	476.7	309.5	215.4	128.4	75.8	56.1	38.6		
16	23.2	40.7	57.9	185.4	470.6	483.2	306.8	212.2	126.9	75.1	55.5	36.7		
17	23.1	39.9	64.7	170.5	459.5	489.3	316.2	208.2	125.6	74.3	54.7	36.4		
18	22.8	39.6	80.3	162.2	436.4	495.5	329.0	204.6	114.9	73.3	54.0	36.0		
19	22.1	36.4	93.7	151.4	424.1	502.2	343.1	198.4	111.2	72.2	52.8	35.6		
20	21.9	32.7	125.1	139.0	404.7	481.0	351.6	189.1	107.8	70.9	51.3	35.4		
21	22.0	31.5	135.8	145.0	384.6	488.0	377.3	178.5	100.1	70.1	50.8	35.2		
22	22.1	29.0	136.2	156.3	385.8	537.5	405.9	173.3	98.4	69.0	49.9	34.9		
23	22.3	28.2	137.4	169.7	392.8	543.9	441.0	171.0	96.1	68.4	49.2	34.6		
24	22.1	27.3	138.3	174.1	406.3	547.2	457.4	167.4	94.2	67.9	48.4	34.4		
25	21.4	26.5	139.0	172.5	417.2	550.4	462.9	163.9	92.8	67.6	47.8	34.1		
26	21.4	26.2	137.1	181.9	421.2	558.4	459.9	161.9	91.8	66.7	47.3	33.8		
27	21.3	26.6	134.6	208.8	410.7	562.2	448.9	159.2	91.1	66.0	46.9	33.5		
28	21.2	27.8	131.1	217.1	404.3	490.2	435.2	157.5	89.8	65.6	46.4	33.2		
29	21.2	30.2	125.6	231.8		487.1	412.3	155.0	88.6	65.0	45.7	33.0		
30	21.2	29.3	123.1	243.4		484.5	379.2	150.9	87.7	64.2	45.0	32.7		
31	21.3		120.6	266.0		480.6		149.3		63.8	44.6			

MEAN 23.0 30.5 81.8 170.2 440.8 469.9 391.3 225.4 117.1 75.1 54.4 37.6 174.6  
 MAX. 25.7 43.3 139.0 266.0 521.9 562.2 468.1 359.4 141.7 87.1 63.2 43.0 562.2  
 MIN. 21.2 21.2 30.3 113.7 301.6 131.9 306.8 149.3 87.7 63.8 44.6 32.7 21.2

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$   
 [Flow Regime (m3/s)]:  
 Q(1day): 266.0 Q(185day): 98.4 Q(275day): 40.7 Q(365day): 21.9

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1986/87	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N														
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														

MEAN.  
MAX.  
MIN.

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1986/87	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N														
1	32.5	42.1	55.4	50.1	148.8	208.6	166.7	76.8	51.3	41.6	33.1	28.5		
2	32.2	42.4	55.9	51.0	149.9	209.7	165.7	76.5	50.8	41.3	32.8	28.5		
3	32.0	42.7	56.4	52.3	151.2	211.1	165.2	75.8	50.4	41.0	32.6	28.4		
4	31.9	42.8	57.1	53.3	152.5	211.7	164.0	75.3	50.1	40.7	32.4	28.3		
5	31.5	42.9	57.6	54.3	153.9	212.6	163.4	74.8	49.7	40.4	32.1	28.2		
6	31.4	52.7	58.1	55.7	155.0	213.1	162.4	74.2	49.4	40.1	31.9	28.0		
7	31.2	53.0	58.6	57.2	155.9	213.3	159.7	73.8	49.1	39.8	31.6	27.9		
8	31.0	53.2	59.5	59.1	157.3	212.8	159.0	73.4	48.7	39.5	31.4	27.7		
9	30.9	53.3	59.8	61.7	158.8	211.7	158.0	71.7	48.4	39.3	31.3	27.5		
10	30.6	53.4	60.3	63.5	159.7	210.8	157.3	70.5	48.1	39.0	31.3	27.3		
11	30.5	53.5	60.8	65.0	161.7	209.5	156.3	69.9	47.8	38.7	31.3	27.2		
12	30.3	53.8	61.2	66.5	163.2	208.4	155.7	69.2	47.4	38.4	31.3	27.0		
13	30.2	54.4	61.9	68.2	164.6	207.3	154.8	68.8	47.1	38.1	31.1	26.8		
14	30.3	57.7	68.3	70.0	166.1	206.0	154.0	68.2	46.8	37.9	31.0	26.7		
15	30.6	57.2	71.0	71.7	167.3	204.9	153.3	67.8	46.5	37.6	31.0	26.5		
16	31.0	57.9	72.7	73.4	168.9	203.6	152.4	67.1	46.2	37.3	30.9	26.3		
17	31.2	55.4	73.1	75.1	170.1	202.7	151.6	66.4	45.8	37.0	30.9	26.2		
18	31.7	55.2	72.1	78.8	171.1	201.4	150.9	65.9	45.5	36.8	30.9	26.2		
19	32.0	54.8	69.6	83.4	172.5	200.5	150.3	65.6	45.3	36.5	30.9	26.2		
20	32.2	54.3	67.0	85.4	173.9	199.2	149.7	65.1	44.9	36.2	30.9	26.1		
21	32.2	53.1	65.4	88.1	175.3	198.4	144.1	64.5	44.6	35.9	30.9	25.9		
22	32.3	52.0	63.2	97.8	176.9	197.1	148.5	64.0	44.3	35.7	30.8	25.7		
23	32.4	51.3	62.1	101.0	178.3	196.2	147.7	63.5	44.0	35.4	29.9	25.5		
24	32.5	49.9	61.0	103.9	179.3	195.2	146.8	63.1	43.7	35.1	29.9	25.3		
25	32.6	48.6	59.9	106.6	180.3	194.1	146.1	62.6	43.4	34.9	29.9	25.2		
26	32.8	45.0	55.0	111.2	181.4	193.3	146.8	62.1	43.0	34.6	29.7	24.9		
27	33.2	43.6	52.1	115.0	182.6	192.2	145.9	61.8	42.8	34.4	29.5	24.7		
28	34.1	42.3	50.7	118.4	183.6	191.3	145.0	61.2	42.5	34.1	29.4	24.5		
29	36.0	41.8	50.0	121.5		190.3	144.2	60.9	42.1	33.8	29.3	24.4		
30	36.7	41.3	49.1	125.3		189.9	143.5	60.3	41.9	33.6	29.2	24.3		
31	41.3		49.1	132.4		189.0		59.9		33.3	29.2			

MEAN 32.3 50.1 60.4 81.2 166.4 202.8 153.6 67.8 46.4 37.4 30.9 26.5 79.0  
 MAX. 41.3 57.9 73.1 132.4 183.6 213.3 166.7 76.8 51.3 41.6 33.1 28.5 213.3  
 MIN. 30.2 41.3 49.1 50.1 148.8 189.0 143.5 59.9 41.9 33.3 29.2 24.3 24.3

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^{2.2}$

[Flow Regime (m3/s)]:

Q(95day): 209.8      Q(185day): 79.8      Q(275day): 47.5      Q(355day): 19.0

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1987/88	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														

MEAN  
MAX.  
MIN.

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1987/88	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	24.3	21.6	21.5	65.9	138.9	206.4	248.9	76.8	48.1	38.8	32.3	28.5		
2	24.5	21.6	21.6	66.4	139.4	207.1	247.4	76.5	47.8	38.4	32.3	28.5		
3	24.5	21.5	21.8	66.7	140.1	208.0	276.8	75.8	47.4	38.2	32.3	28.5		
4	24.7	21.4	22.0	67.2	140.6	208.0	250.1	75.2	47.1	37.9	32.2	28.3		
5	24.7	21.3	22.2	67.6	141.2	208.6	255.7	74.8	46.8	37.6	32.1	28.2		
6	24.9	21.1	22.3	67.9	144.8	209.3	235.5	74.2	46.5	37.3	31.9	28.2		
7	25.1	21.0	22.6	68.4	146.1	209.9	228.7	73.8	46.2	37.0	31.7	28.2		
8	25.3	20.9	22.7	68.8	146.6	204.9	228.5	73.4	45.8	36.8	31.6	28.2		
9	25.5	20.8	22.9	69.1	149.7	204.2	228.3	71.3	45.5	36.5	31.4	28.1		
10	25.6	20.7	23.1	69.5	150.3	208.0	228.1	70.5	45.3	36.3	31.1	27.9		
11	25.5	20.7	23.3	70.0	151.6	201.6	221.2	69.9	44.9	36.0	31.0	27.7		
12	25.3	20.7	23.5	70.3	152.2	199.9	219.8	68.8	44.6	35.7	31.0	27.5		
13	25.1	20.7	23.7	70.7	152.7	198.8	219.1	68.2	44.3	35.5	30.9	27.3		
14	24.9	20.6	23.9	71.2	153.5	196.7	218.2	67.8	44.0	35.2	30.9	27.2		
15	24.7	20.4	24.1	71.6	154.0	193.9	217.5	67.1	43.7	34.9	30.6	27.0		
16	24.5	20.3	24.3	72.1	155.9	193.7	216.6	66.4	43.4	34.7	30.4	26.8		
17	24.3	20.2	24.5	72.4	157.3	182.6	215.3	65.9	43.0	34.5	30.2	26.5		
18	24.1	20.2	24.7	72.8	159.7	203.8	214.6	65.6	42.8	34.4	30.1	26.4		
19	23.9	20.1	24.9	73.7	165.0	206.4	212.4	65.1	42.5	34.1	30.1	26.2		
20	23.5	19.9	25.1	74.1	165.5	210.4	211.5	64.5	42.1	33.9	30.1	25.9		
21	23.3	19.9	25.3	76.2	166.9	212.4	210.8	64.0	41.9	33.8	29.9	25.7		
22	23.1	19.9	25.5	76.6	167.5	213.7	209.3	63.5	41.6	33.8	29.7	25.5		
23	22.9	19.8	25.7	77.9	170.9	203.6	208.0	63.1	41.3	33.6	29.5	25.3		
24	22.7	19.7	25.9	78.8	171.5	234.8	200.5	62.6	41.0	33.4	29.4	25.1		
25	22.6	19.7	26.0	79.2	173.5	236.5	199.9	62.1	40.7	33.1	29.4	24.9		
26	22.4	19.6	26.2	84.5	177.5	237.9	199.2	61.8	40.5	33.0	29.2	24.7		
27	22.2	19.5	26.4	85.4	185.1	240.5	197.7	61.2	40.1	32.8	29.0	24.5		
28	22.1	19.5	26.5	85.9	185.7	243.6	197.1	60.9	39.9	32.6	28.9	24.3		
29	21.9	19.5	26.7	88.6	189.2	245.5	195.0	60.3	39.6	32.5	28.8	24.1		
30	21.8	19.6	26.9	91.0		223.9	194.1	59.9	39.3	32.4	28.7	24.0		
31	21.6		27.0	91.4		232.7		59.5		32.3	28.7			

MEAN 23.9 20.4 24.3 74.6 157.3 212.5 220.2 67.4 43.6 35.1 30.5 26.6 77.7  
 MA. 6 27.0 91.4 185.7 245.5 276.8 76.8 48.1 38.8 32.3 28.5 276.8  
 MIN. 21.6 19.5 21.5 65.9 138.9 182.6 194.1 59.5 39.3 32.3 28.7 24.0 19.5

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[ Flow Regime (m3/s) ]:

Q(95day): 85.4 Q(185day): 38.2 Q(275day): 25.6 Q(355day): 19.9

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO	YEAR : 1988/89											[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														

MEAN  
MAX.  
MIN.

*QM*	ST.: 4-200 MPATAMATO	YEAR : 1988/89											[DISCHARGE (m3/sec)]	
N		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1		23.9	21.0	29.2	123.3	197.1	217.5	199.9	74.9	64.4	50.8	40.5	31.2	
2		23.8	21.0	29.5	123.8	197.7	218.2	200.5	74.2	64.0	50.4	40.3	30.6	
3		23.7	21.1	29.7	131.8	198.4	220.5	201.4	73.8	63.7	50.1	40.1	30.2	
4		23.6	21.3	29.9	132.4	199.9	220.7	202.0	73.3	63.2	49.8	39.9	30.1	
5		23.5	21.5	30.2	133.6	200.5	220.7	202.7	72.8	62.9	49.4	39.6	30.1	
6		23.4	21.6	30.4	134.1	208.0	220.7	202.9	72.4	62.6	49.1	39.3	29.8	
7		23.3	21.8	30.6	134.6	208.6	220.5	202.7	72.1	62.2	48.7	39.0	29.4	
8		23.2	22.0	31.1	135.3	210.8	219.8	202.0	71.7	61.9	48.4	38.8	29.1	
9		23.1	22.2	31.4	135.8	211.5	219.1	201.4	71.3	61.4	48.1	38.4	28.8	
10		23.0	22.3	31.7	136.6	212.4	218.7	200.5	70.8	61.2	47.8	38.2	28.7	
11		22.9	22.5	31.9	137.1	214.6	218.2	199.9	70.3	61.0	47.4	37.8	28.4	
12		22.8	22.7	32.1	137.6	215.3	217.5	199.2	70.0	60.6	47.1	36.8	28.1	
13		22.7	22.9	32.3	138.3	216.6	216.6	197.7	69.6	60.3	46.8	36.5	27.9	
14		22.6	23.0	32.5	138.9	217.5	216.0	197.1	70.3	59.9	46.5	36.2	27.9	
15		22.5	23.1	32.8	139.4	218.2	215.3	196.2	68.8	59.5	46.2	36.0	27.7	
16		22.4	23.3	33.3	140.1	219.1	214.6	195.6	68.4	59.2	45.8	35.7	27.4	
17		22.3	23.5	33.6	140.6	219.8	213.7	195.0	68.3	58.8	45.5	35.6	27.2	
18		22.2	23.7	33.8	179.5	221.2	213.1	193.5	68.3	58.4	45.3	35.4	26.9	
19		22.1	23.7	34.1	143.7	228.3	211.5	192.8	68.3	58.1	44.9	35.2	26.7	
20		22.1	23.9	34.4	144.2	229.0	210.8	191.3	68.2	57.7	44.6	34.9	26.7	
21		22.0	24.1	34.6	144.8	234.8	208.6	190.7	66.7	57.3	44.3	34.7	26.7	
22		21.9	24.3	34.9	145.9	236.0	208.0	187.2	66.4	57.0	44.0	34.4	26.5	
23		21.8	24.4	35.2	146.6	236.7	200.5	186.5	66.0	55.5	43.4	34.1	26.4	
24		21.7	24.4	35.4	149.7	237.6	199.9	185.7	65.8	55.2	43.1	33.9	26.1	
25		21.6	24.6	35.7	150.3	241.4	199.2	185.1	65.8	54.9	42.8	33.8	25.8	
26		21.5	24.8	36.0	151.6	236.0	197.7	184.5	65.6	54.5	42.5	33.6	25.7	
27		21.4	24.9	36.3	152.2	253.5	197.1	183.0	65.2	54.2	42.1	33.4	25.7	
28		21.3	24.9	36.5	152.7	255.2	196.2	182.4	65.0	53.8	41.6	33.1	25.5	
29		21.2	25.1	36.8	153.5		195.6	179.5	65.0	53.5	41.3	32.8	25.4	
30		21.2	25.3	37.0	154.0		194.1	178.9	64.9	53.2	41.0	32.6	25.4	
31		21.1		37.3	155.9		193.5		64.6		40.7	32.4		
MEAN		22.4	23.2	33.2	142.5	220.6	210.8	193.9	69.0	59.0	45.8	36.2	27.7	89.5
MAX.		23.9	25.3	37.3	179.5	255.2	220.7	202.9	74.9	64.4	50.8	40.5	31.2	255.2
MIN.		21.1	21.0	29.2	123.3	197.1	193.5	178.9	64.6	53.2	40.7	32.4	25.4	21.0

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 152.2      Q(195day): 49.8      Q(275day): 30.1      Q(355day): 21.5

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*		ST.: 4-200 MPATAMATO												YEAR: 1989/90	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.46	0.38	0.77	1.85	5.37	3.21	3.69	2.25	1.53	1.22	0.85	0.64			
2	0.47	0.37	0.67	1.76	5.17	3.18	3.56	2.21	1.53	1.21	0.84	0.64			
3	0.47	0.36	0.68	1.73	4.77	3.26	3.43	2.19	1.52	1.19	0.83	0.53			
4	0.47	0.36	0.78	1.86	4.46	3.25	3.31	2.16	1.52	1.18	0.83	0.63			
5	0.46	0.36	0.74	2.35	4.17	3.23	3.21	2.14	1.51	1.17	0.82	0.62			
6	0.45	0.35	0.72	2.12	3.91	3.22	3.15	2.12	1.50	1.16	0.82	0.61			
7	0.44	0.35	0.71	2.09	3.69	3.23	3.21	2.12	1.50	1.15	0.82	0.60			
8	0.44	0.35	0.68	2.22	3.64	3.23	3.29	2.12	1.49	1.14	0.80	0.59			
9	0.44	0.34	0.68	2.25	3.64	3.37	3.31	2.11	1.48	1.12	0.80	0.59			
10	0.43	0.33	0.70	2.17	3.59	3.59	3.31	2.11	1.48	1.11	0.80	0.59			
11	0.42	0.32	0.70	2.07	3.58	3.61	3.28	2.10	1.47	1.10	0.79	0.58			
12	0.41	0.32	0.77	2.01	3.69	3.46	3.28	2.07	1.47	1.09	0.78	0.56			
13	0.40	0.32	0.86	2.06	3.94	3.36	3.30	2.02	1.46	1.08	0.77	0.56			
14	0.39	0.31	0.81	2.38	4.07	3.32	3.24	2.00	1.45	1.06	0.76	0.55			
15	0.39	0.32	0.88	2.75	4.37	3.31	3.13	1.96	1.45	1.05	0.76	0.55			
16	0.39	0.32	0.93	3.18	4.68	3.25	3.03	1.93	1.44	0.97	0.76	0.64			
17	0.38	0.32	0.99	3.22	4.78	3.32	2.93	1.91	1.44	0.97	0.76	0.64			
18	0.37	0.35	0.90	3.20	4.64	3.27	2.84	1.87	1.43	0.95	0.75	0.64			
19	0.38	0.36	0.88	3.14	4.41	3.21	2.76	1.84	1.41	0.94	0.74	0.64			
20	0.38	0.34	0.89	3.03	4.18	3.53	2.69	1.81	1.39	0.93	0.73	0.64			
21	0.39	0.34	0.89	3.04	3.92	3.76	2.64	1.78	1.38	0.93	0.72	0.64			
22	0.41	0.33	0.94	3.06	3.73	3.95	2.59	1.75	1.35	0.92	0.72	0.63			
23	0.42	0.36	1.01	2.92	3.55	3.93	2.54	1.73	1.34	0.91	0.70	0.63			
24	0.47	0.38	1.00	2.74	3.41	3.84	2.50	1.70	1.33	0.90	0.70	0.64			
25	0.52	0.38	1.11	2.85	3.29	3.80	2.45	1.68	1.32	0.89	0.70	0.64			
26	0.46	0.45	1.15	3.43	3.22	3.82	2.42	1.67	1.31	0.89	0.70	0.61			
27	0.43	0.54	1.20	3.68	3.28	3.78	2.38	1.63	1.29	0.88	0.68	0.60			
28	0.40	0.58	1.34	4.14	3.25	3.81	2.34	1.61	1.26	0.88	0.66	0.59			
29	0.39	0.68	1.58	4.73		3.89	2.31	1.59	1.24	0.88	0.65	0.59			
30	0.39	0.76	1.67	5.10		3.93	2.28	1.56	1.23	0.87	0.65	0.59			
31	0.38		1.75	5.38		3.82		1.54		0.86	0.64				
MEAN	0.42	0.39	0.95	2.85	4.01	3.51	2.95	1.91	1.42	1.02	0.75	0.61	1.72		
MAX.	0.52	0.76	1.75	5.38	5.37	3.95	3.69	2.25	1.53	1.22	0.85	0.64	5.38		
MIN.	0.37	0.31	0.67	1.73	3.22	3.18	2.28	1.54	1.23	0.86	0.64	0.55	0.31		

*QM*		ST.: 4-200 MPATAMATO												YEAR: 1989/90	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	9.4	8.1	15.2	46.2	265.5	110.0	138.9	62.1	35.5	26.1	16.9	12.6			
2	9.6	8.0	13.1	43.0	248.5	108.1	130.3	60.7	35.3	25.8	16.7	12.5			
3	9.5	7.8	13.3	42.2	215.9	112.7	122.3	59.6	35.1	25.4	16.5	12.4			
4	9.5	7.8	15.4	46.9	192.1	112.0	115.2	58.6	34.9	25.1	16.4	12.4			
5	9.4	7.7	14.5	66.5	170.6	110.8	109.6	57.5	34.7	24.8	16.3	12.1			
6	9.2	7.7	14.2	56.8	152.8	110.3	106.6	56.9	34.5	24.5	16.3	12.0			
7	9.1	7.6	13.9	55.7	139.9	110.7	109.9	56.6	34.3	24.2	16.3	11.9			
8	9.0	7.6	13.3	60.9	135.2	111.0	114.4	56.6	34.1	23.9	15.9	11.7			
9	9.0	7.5	13.3	62.3	135.2	118.7	115.6	56.4	33.9	23.5	15.8	11.6			
10	8.8	7.4	13.8	59.0	132.5	132.5	115.6	56.3	33.8	23.2	15.7	11.6			
11	8.7	7.2	13.9	55.0	131.8	133.3	113.8	56.2	33.6	22.9	15.6	11.4			
12	8.6	7.2	15.3	52.4	138.4	124.4	114.0	54.7	33.4	22.6	15.4	11.2			
13	8.4	7.2	17.1	54.2	154.6	118.2	114.9	53.0	33.2	22.3	15.3	11.2			
14	8.3	7.1	16.0	67.9	163.9	115.9	111.6	51.9	33.0	22.0	15.0	11.0			
15	8.3	7.3	17.5	85.1	184.9	115.6	105.3	50.4	32.8	21.7	15.0	10.9			
16	8.3	7.3	18.8	108.1	208.2	112.3	99.7	49.5	32.6	19.7	15.0	12.5			
17	8.1	7.2	20.2	110.3	216.1	116.3	94.4	48.6	32.4	19.6	14.9	12.5			
18	8.0	7.7	18.0	109.2	205.6	113.3	89.8	47.2	32.3	19.3	14.8	12.5			
19	8.0	7.8	17.7	106.1	187.8	109.7	85.9	46.0	31.7	19.0	14.6	12.5			
20	8.1	7.5	17.9	99.9	171.4	129.4	82.6	44.8	31.0	18.8	14.3	12.6			
21	8.3	7.6	17.8	100.3	153.3	143.3	80.0	43.8	30.7	18.7	14.2	12.5			
22	8.6	7.4	18.9	101.2	140.9	155.9	77.5	42.9	29.9	18.5	14.1	12.5			
23	8.7	7.7	20.7	93.8	130.0	154.2	75.1	41.9	29.6	18.2	13.8	12.4			
24	9.6	8.0	20.5	84.8	121.1	148.2	73.1	41.2	29.2	18.0	13.8	12.6			
25	10.4	8.0	23.2	90.3	114.4	145.5	71.1	40.4	29.0	17.8	13.7	12.5			
26	9.4	9.2	24.2	122.4	110.4	146.9	69.6	39.9	28.7	17.8	13.7	12.1			
27	8.8	10.8	25.6	138.1	114.0	144.1	67.8	38.8	28.1	17.7	13.3	11.9			
28	8.5	11.5	29.6	168.6	112.2	146.3	66.3	38.0	27.2	17.6	12.9	11.7			
29	8.2	13.3	37.1	212.3		151.8	64.9	37.2	26.8	17.6	12.7	11.7			
30	8.2	15.0	40.0	242.6		154.2	63.4	36.4	26.4	17.3	12.7	11.6			
31	8.1		42.8	266.6		146.9		35.7		17.2	12.6				
MEAN	8.77	8.31	19.77	97.06	162.36	127.80	96.64	49.03	31.92	21.00	14.85	12.03	53.42		
MAX.	10.38	15.03	42.78	266.59	265.54	155.86	138.87	62.13	35.50	26.08	16.94	12.59	266.59		
MIN.	7.99	7.07	13.09	42.19	110.41	108.10	63.37	35.73	26.45	17.21	12.59	10.90	7.07		

[Discharge Rating Curve]: Q=7.269\*(H+0.676)^2

[Flow Regime (m3/s)]:

Q(95day): 84.8      Q(185day): 26.4      Q(275day): 12.7      Q(355day): 7.5

<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 4-200 MPATAMATO												YEAR : 1990/91		[WATER LEVEL (m)]	
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.58	0.48	0.98	2.34	6.81	4.08	4.68	2.85	1.93	1.40	1.16	0.89				
2	0.60	0.47	0.84	2.23	6.56	4.03	4.51	2.81	1.90	1.38	1.16	0.87				
3	0.59	0.46	0.86	2.20	6.05	4.14	4.34	2.77	1.87	1.38	1.14	0.85				
4	0.59	0.46	0.99	2.36	5.66	4.12	4.19	2.74	1.86	1.36	1.13	0.85				
5	0.58	0.45	0.93	2.98	5.29	4.09	4.07	2.71	1.84	1.35	1.12	0.85				
6	0.57	0.45	0.92	2.69	4.96	4.08	4.00	2.69	1.81	1.34	1.11	0.84				
7	0.56	0.44	0.90	2.65	4.68	4.09	4.07	2.68	1.80	1.33	1.10	0.83				
8	0.55	0.44	0.86	2.81	4.61	4.10	4.17	2.68	1.78	1.32	1.09	0.84				
9	0.55	0.43	0.86	2.86	4.61	4.27	4.20	2.68	1.77	1.30	1.08	0.84				
10	0.54	0.42	0.89	2.76	4.56	4.56	4.20	2.67	1.75	1.30	1.07	0.81				
11	0.53	0.41	0.89	2.63	4.54	4.57	4.16	2.67	1.72	1.29	1.06	0.78				
12	0.52	0.41	0.98	2.55	4.68	4.39	4.16	2.62	1.70	1.28	1.05	0.77				
13	0.51	0.41	1.09	2.61	4.99	4.26	4.18	2.57	1.69	1.27	1.06	0.76				
14	0.50	0.39	1.02	3.02	5.16	4.21	4.11	2.53	1.67	1.27	1.05	0.77				
15	0.50	0.41	1.11	3.48	5.54	4.20	3.97	2.48	1.66	1.25	1.04	0.77				
16	0.49	0.41	1.18	4.03	5.93	4.13	3.84	2.45	1.64	1.25	1.02	0.75				
17	0.48	0.41	1.26	4.08	6.06	4.22	3.71	2.42	1.62	1.25	1.02	0.74				
18	0.47	0.45	1.14	4.06	5.89	4.15	3.60	2.37	1.60	1.23	1.03	0.72				
19	0.48	0.45	1.12	3.99	5.59	4.07	3.50	2.33	1.59	1.22	1.01	0.71				
20	0.48	0.43	1.13	3.84	5.30	4.47	3.42	2.29	1.57	1.22	1.01	0.71				
21	0.50	0.44	1.13	3.85	4.97	4.77	3.35	2.26	1.56	1.22	0.99	0.71				
22	0.52	0.42	1.19	3.87	4.72	5.01	3.28	2.22	1.55	1.20	0.98	0.71				
23	0.53	0.45	1.28	3.70	4.50	4.98	3.22	2.19	1.53	1.20	0.98	0.71				
24	0.60	0.48	1.27	3.47	4.32	4.87	3.16	2.16	1.51	1.19	0.97	0.69				
25	0.66	0.48	1.41	3.61	4.17	4.82	3.11	2.13	1.50	1.19	0.96	0.68				
26	0.58	0.57	1.46	4.35	4.08	4.84	3.07	2.11	1.49	1.19	0.94	0.68				
27	0.54	0.69	1.52	4.67	4.16	4.79	3.01	2.07	1.48	1.18	0.92	0.67				
28	0.51	0.73	1.70	5.25	4.12	4.83	2.97	2.04	1.47	1.17	0.93	0.65				
29	0.49	0.86	2.01	6.00		4.94	2.93	2.01	1.44	1.17	0.93	0.65				
30	0.49	0.97	2.12	6.47		4.98	2.89	1.98	1.43	1.17	0.92	0.64				
31	0.48		2.22	6.82		4.84		1.95		1.17	0.91					
MEAN	0.53	0.49	1.20	3.62	5.09	4.45	3.74	2.42	1.66	1.26	1.03	0.76	2.17			
MAX.	0.66	0.97	2.22	6.82	6.81	5.01	4.68	2.85	1.93	1.40	1.16	0.99	6.82			
MIN.	0.47	0.39	0.84	2.20	4.08	4.03	2.89	1.95	1.43	1.17	0.91	0.64	0.39			

*QM*	ST.: 4-200 MPATAMATO												YEAR : 1990/91		[DISCHARGE (m3/sec)]	
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	11.5	9.7	19.8	66.2	406.9	164.1	208.9	90.4	49.5	31.3	24.5	17.8				
2	11.8	9.5	16.8	61.3	380.2	161.2	195.6	88.2	48.2	30.7	24.4	17.3				
3	11.7	9.4	17.1	60.0	329.2	168.3	183.1	86.5	47.1	30.7	24.1	17.0				
4	11.7	9.3	20.2	67.1	291.8	167.3	172.2	85.0	46.6	30.2	23.7	16.9				
5	11.5	9.2	18.6	97.0	258.3	165.4	163.5	83.3	45.9	29.8	23.3	16.9				
6	11.3	9.2	18.5	82.3	230.6	164.5	158.9	82.4	44.8	29.4	23.2	16.7				
7	11.2	9.0	18.0	80.5	208.9	165.1	163.9	82.0	44.4	29.2	22.9	16.5				
8	11.0	9.0	17.1	88.5	203.2	165.6	170.9	82.0	43.7	29.0	22.5	16.7				
9	11.0	8.8	17.1	90.7	203.2	177.6	172.8	81.7	43.4	28.5	22.4	16.6				
10	10.7	8.7	17.8	85.6	199.0	199.0	172.8	81.4	42.9	28.3	22.2	16.0				
11	10.5	8.5	17.9	79.5	197.9	200.2	170.0	81.2	41.8	28.1	22.0	15.5				
12	10.4	8.5	20.0	75.6	208.2	186.5	170.3	79.0	41.2	27.7	21.9	15.2				
13	10.2	8.5	22.6	78.3	233.3	176.7	171.8	76.4	40.6	27.6	21.8	15.0				
14	10.0	8.3	21.0	99.2	247.9	173.3	166.6	74.7	40.1	27.5	21.6	15.2				
15	10.0	8.6	23.2	125.6	280.7	172.8	156.8	72.5	39.5	27.1	21.4	15.3				
16	9.9	8.6	25.1	161.2	317.1	167.7	148.1	71.1	38.9	27.0	21.0	14.8				
17	9.8	8.5	27.1	164.5	329.5	173.9	140.0	69.7	38.2	26.9	20.9	14.6				
18	9.6	9.2	23.9	162.8	313.0	169.2	132.9	67.6	37.7	26.4	21.2	14.2				
19	9.6	9.3	23.4	158.0	285.1	163.7	126.9	65.8	37.4	26.2	20.8	14.0				
20	9.7	8.9	23.7	148.5	259.6	192.6	121.8	64.0	36.8	26.1	20.6	14.0				
21	10.0	9.0	23.7	149.1	231.3	215.8	117.8	62.5	36.5	26.0	20.1	14.0				
22	10.4	8.7	25.3	150.5	212.0	235.3	113.9	61.0	36.2	25.7	20.0	14.0				
23	10.5	9.2	27.9	139.0	195.1	232.8	110.3	59.6	35.5	25.5	19.8	14.0				
24	11.8	9.6	27.6	125.2	181.4	223.4	107.2	58.5	34.8	25.4	19.6	13.5				
25	12.9	9.6	31.6	133.6	170.9	219.2	104.1	57.3	34.4	25.3	19.4	13.3				
26	11.5	11.3	33.1	183.4	164.7	221.4	101.8	56.5	34.2	25.2	19.0	13.3				
27	10.7	13.5	35.2	207.7	170.3	217.1	99.0	54.9	33.8	25.0	18.6	13.1				
28	10.3	14.5	41.1	255.2	167.5	220.5	96.7	53.7	33.4	24.9	18.8	12.8				
29	9.9	17.1	52.4	323.5		229.1	94.6	52.5	32.7	24.9	18.7	12.8				
30	9.9	19.6	56.8	371.0		232.8	92.3	51.3	32.1	24.9	18.5	12.6				
31	9.7		60.9	408.6		221.4		50.3		24.7	18.3					
MEAN	10.7	10.0	26.6	144.5	245.6	191.7	143.5	70.4	39.7	27.3	21.2	15.0	77.8			
MAX.	12.9	19.6	60.9	408.6	406.9	235.3	208.9	90.4	49.5	31.3	24.5	17.8	408.6			
MIN.	9.6	8.3	16.8	60.0	164.7	161.2	92.3	50.3	32.1	24.7	18.3	12.6	8.3			

[Discharge Rating Curve]:  $Q=7.269*(H+0.676)^2$

[Flow Regime (m3/s)]:

Q(95day): 125.2      Q(185day): 33.1      Q(275day): 17.1      Q(355day): 8.9