

MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge

ST. : 1-950 WATOPA PONTOON	YEAR : 1959/60												[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.62	1.52	1.77	2.23	2.30	3.01	5.73	2.96	2.32	2.07	1.92	1.90	
2	1.62	1.52	1.77	2.29	2.30	3.04	5.73	2.93	2.32	2.07	1.92	1.90	
3	1.50	1.52	1.77	2.26	2.30	3.07	5.70	2.90	2.29	2.07	1.92	1.90	
4	1.50	1.55	1.77	2.23	2.44	3.90	5.61	2.87	2.29	2.04	1.92	1.90	
5	1.50	1.55	1.77	2.26	2.50	3.99	5.55	2.93	2.26	2.04	1.92	1.90	
6	1.50	1.50	1.77	2.32	2.56	4.11	5.46	2.93	2.26	2.04	1.92	1.77	
7	1.50	1.62	1.77	2.41	2.62	4.24	5.33	2.93	2.26	2.04	1.99	1.77	
8	1.50	1.62	1.80	2.50	2.60	4.36	5.24	2.93	2.23	2.04	1.99	1.77	
9	1.55	1.62	1.80	2.59	2.71	4.42	5.12	2.77	2.23	2.04	1.89	1.77	
10	1.55	1.65	1.80	2.60	2.71	4.45	4.91	2.77	2.23	2.01	1.89	1.77	
11	1.55	1.60	1.93	2.74	2.77	4.45	4.69	2.74	2.22	2.01	1.89	1.77	
12	1.55	1.60	1.93	2.74	2.93	4.48	4.51	2.71	2.19	2.01	1.86	1.74	
13	1.55	1.60	1.86	2.74	2.99	4.54	4.24	2.60	2.19	2.01	1.86	1.74	
14	1.55	1.60	1.89	2.77	2.93	4.60	4.02	2.60	2.19	2.01	1.86	1.74	
15	1.55	1.60	1.89	2.80	2.96	4.63	3.91	2.60	2.16	2.01	1.86	1.74	
16	1.55	1.60	1.95	2.83	3.02	4.69	3.69	2.62	2.16	2.01	1.86	1.74	
17	1.55	1.60	2.04	2.80	3.02	4.79	3.60	2.59	2.13	2.01	1.86	1.74	
18	1.52	1.65	2.04	2.71	3.05	4.94	3.51	2.59	2.13	2.01	1.86	1.74	
19	1.52	1.65	2.04	2.85	3.11	5.00	3.51	2.52	2.13	1.90	1.86	1.71	
20	1.52	1.62	2.07	2.62	3.17	5.06	3.44	2.53	2.13	1.90	1.86	1.71	
21	1.52	1.62	2.07	2.59	3.23	5.21	3.39	2.50	2.13	1.90	1.86	1.71	
22	1.52	1.65	2.07	2.56	3.35	5.33	3.32	2.47	2.12	1.90	1.86	1.71	
23	1.52	1.65	2.07	2.53	3.47	5.49	3.29	2.47	2.12	1.90	1.86	1.71	
24	1.52	1.60	2.10	2.53	3.57	5.70	3.23	2.44	2.10	1.90	1.86	1.71	
25	1.52	1.74	2.13	2.53	3.63	5.82	3.17	2.41	2.10	1.95	1.82	1.69	
26	1.49	1.74	2.13	2.50	3.66	5.82	3.14	2.41	2.10	1.95	1.82	1.69	
27	1.52	1.74	2.13	2.47	3.69	5.79	3.09	2.41	2.10	1.95	1.82	1.69	
28	1.52	1.77	2.13	2.44	3.66	5.76	3.05	2.38	2.10	1.95	1.82	1.69	
29	1.52	1.77	2.13	2.39	3.72	5.76	3.02	2.38	2.07	1.92	1.82	1.69	
30	1.52	1.77	2.10	2.38		5.76	2.99	2.35	2.07	1.92	1.80	1.69	
31	1.52		2.16	2.38		5.73		2.35		1.92	1.80		
MEAN	1.55	1.65	1.95	2.53	3.01	4.95	4.17	2.63	2.19	2.00	1.87	1.74	2.51
M	1.62	1.77	2.16	2.83	3.72	5.82	5.73	2.96	2.32	2.07	1.92	1.90	5.82
MIN	1.49	1.52	1.77	2.23	2.30	3.01	2.99	2.35	2.07	1.92	1.80	1.69	1.49

ST. : 1-950 WATOPA PONTOON	YEAR : 1959/60												[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	54.6	47.4	67.6	114.0	133.3	375.0	890.0	216.3	125.7	97.7	81.9	70.3	
2	54.6	47.4	67.6	114.0	133.3	381.5	890.0	211.4	125.7	97.7	81.9	70.3	
3	52.1	47.4	67.6	110.4	133.3	388.0	880.9	206.6	122.0	97.7	81.9	70.3	
4	52.1	49.0	67.6	114.0	141.1	394.6	851.5	201.9	122.0	94.4	81.9	70.3	
5	52.1	49.0	67.6	110.4	149.1	414.7	832.2	197.2	119.4	94.4	81.9	70.3	
6	52.1	52.1	67.6	125.7	157.4	442.2	803.7	197.2	119.4	94.4	81.9	67.6	
7	52.1	54.6	67.6	137.2	165.0	470.7	766.4	197.2	119.4	94.4	79.9	67.6	
8	52.1	54.6	70.3	149.1	174.5	500.0	739.0	197.2	114.0	94.4	78.9	67.6	
9	49.0	54.6	70.3	161.6	179.9	515.0	703.3	187.9	114.0	94.4	78.9	67.6	
10	49.0	57.1	70.3	174.5	179.9	522.5	642.0	187.9	114.0	91.2	78.9	67.6	
11	49.0	59.6	73.1	183.4	187.9	522.5	585.2	183.4	114.0	91.2	78.9	67.6	
12	49.0	59.6	73.1	183.4	211.4	530.2	537.9	178.9	111.3	91.2	76.0	64.0	
13	49.0	59.6	76.0	183.4	221.2	545.6	470.7	174.5	111.3	91.2	76.0	64.0	
14	49.0	59.6	79.9	187.9	211.4	561.3	421.5	174.5	111.3	91.2	76.0	64.0	
15	49.0	59.6	79.9	192.5	216.3	569.2	375.0	174.5	107.0	91.2	76.0	64.0	
16	49.0	59.6	85.0	197.2	226.2	585.2	349.7	165.0	107.0	91.2	76.0	64.0	
17	49.0	59.6	94.4	192.5	226.2	609.5	331.3	161.6	104.4	91.2	76.0	61.9	
18	47.4	57.1	94.4	178.9	231.2	651.3	313.4	161.6	104.4	91.2	76.0	64.0	
19	47.4	57.1	94.4	170.1	241.5	669.4	313.4	153.2	104.4	89.1	76.0	62.2	
20	47.4	54.6	97.7	165.0	251.9	695.7	301.7	153.2	104.4	89.1	76.0	62.2	
21	47.4	54.6	97.7	161.6	262.6	739.0	290.2	149.1	104.4	89.1	76.0	62.2	
22	47.4	57.1	97.7	157.4	284.6	766.4	279.0	145.1	104.4	89.1	76.0	62.2	
23	47.4	57.1	97.7	153.2	307.5	813.1	273.5	145.1	104.4	89.1	73.1	62.2	
24	47.4	59.6	101.0	153.2	325.2	880.9	262.6	141.1	101.0	89.1	73.1	62.2	
25	47.4	64.0	104.4	153.2	337.4	920.8	251.9	137.2	101.0	85.0	73.1	59.6	
26	45.2	64.0	104.4	149.1	343.5	920.8	246.7	137.2	101.0	85.0	73.1	59.6	
27	47.4	64.0	104.4	145.1	349.7	910.8	236.3	137.2	101.0	85.0	73.1	59.6	
28	47.4	67.6	104.4	141.1	342.5	900.8	221.2	133.3	101.0	85.0	73.1	59.6	
29	47.4	67.6	104.4	133.3	355.9	900.8	226.2	133.3	97.7	81.9	73.1	59.6	
30	47.4	67.6	101.0	133.3		900.8	221.2	129.5	97.7	81.9	70.3	59.6	
31	47.4		107.0	133.3		890.8		129.5		81.9	70.3		
MEAN	49.4	57.5	85.6	154.4	220.4	640.9	494.0	167.7	109.7	90.1	76.6	64.7	184.1
M	54.6	67.6	107.0	197.2	355.9	920.8	890.8	216.3	125.7	97.7	81.9	70.3	920.8
MIN	45.2	47.4	67.6	114.0	133.3	375.0	221.2	129.5	97.7	81.9	70.3	59.6	45.2

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Low Regime (m3/s)]:

Q(5day): 193.4      Q(105day): 101.0      Q(275day): 67.6      Q(355day): 47.4

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

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1960/61	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.60	1.62	1.90	2.35	3.14	5.15	6.92	4.10	2.71	2.30	2.16	1.90		
2	1.60	1.62	1.90	2.35	3.14	5.10	6.00	4.00	2.60	2.35	2.16	1.90		
3	1.60	1.62	1.95	2.29	3.14	5.24	6.03	3.99	2.65	2.35	2.13	1.90		
4	1.60	1.62	1.95	2.26	3.17	5.30	6.00	3.70	2.62	2.35	2.13	1.90		
5	1.65	1.62	1.95	2.29	3.23	5.33	6.74	3.69	2.59	2.35	2.13	1.90		
6	1.65	1.62	1.95	2.41	3.23	5.33	6.60	3.60	2.56	2.35	2.13	1.95		
7	1.65	1.50	1.95	2.30	3.29	5.39	6.61	3.54	2.56	2.32	2.13	1.95		
8	1.65	1.62	1.95	2.41	3.26	5.49	6.50	3.44	2.56	2.32	2.13	1.95		
9	1.65	1.65	1.95	2.44	3.35	5.55	6.52	3.39	2.55	2.32	2.13	1.95		
10	1.65	1.60	1.95	2.62	3.32	5.55	6.46	3.32	2.56	2.32	2.10	1.95		
11	1.65	1.71	1.95	2.60	3.29	5.52	6.40	3.26	2.53	2.29	2.10	1.92		
12	1.65	1.74	2.01	2.74	3.32	5.55	6.31	3.23	2.53	2.29	2.10	1.92		
13	1.65	1.60	1.90	2.55	3.39	5.70	6.19	3.20	2.53	2.29	2.07	1.92		
14	1.65	1.63	1.90	2.62	3.66	5.79	6.13	3.17	2.53	2.29	2.07	1.92		
15	1.65	1.66	1.90	2.74	3.75	5.91	5.97	3.14	2.50	2.29	2.07	1.92		
16	1.65	1.95	2.01	2.77	3.70	6.04	5.02	3.11	2.50	2.26	2.07	1.89		
17	1.65	1.95	2.01	2.00	3.01	6.13	5.70	3.00	2.47	2.26	2.04	1.89		
18	1.65	1.92	1.90	2.07	3.01	6.13	5.59	3.05	2.47	2.26	2.04	1.89		
19	1.62	1.95	2.01	2.99	2.99	6.24	5.49	3.02	2.47	2.26	2.04	1.89		
20	1.62	2.04	2.01	3.05	4.15	6.31	5.39	2.99	2.44	2.23	2.04	1.89		
21	1.62	2.07	2.04	3.00	4.36	6.40	5.27	2.99	2.44	2.23	2.04	1.89		
22	1.62	2.04	2.04	3.05	4.40	6.49	5.10	2.96	2.44	2.23	2.04	1.89		
23	1.65	2.04	2.04	3.02	4.66	6.59	5.09	2.96	2.41	2.23	2.01	1.86		
24	1.65	2.01	2.10	2.99	4.05	6.60	4.97	2.90	2.41	2.23	2.01	1.86		
25	1.65	1.90	2.10	2.99	5.05	6.74	4.82	2.87	2.41	2.19	2.01	1.86		
26	1.65	1.95	2.10	3.05	5.12	6.77	4.72	2.87	2.41	2.19	2.01	1.86		
27	1.65	1.95	2.10	3.00	5.21	6.80	4.63	2.83	2.39	2.19	2.01	1.83		
28	1.65	1.92	2.13	3.05	5.21	6.83	4.54	2.80	2.39	2.19	2.01	1.83		
29	1.65	1.90	2.16	3.11		6.83	4.42	2.77	2.38	2.19	2.01	1.83		
30	1.65	2.01	2.19	3.14		6.89	4.30	2.74	2.38	2.19	2.01	1.83		
31	1.65		2.23	3.14		6.95		2.71		2.16		1.80		
MEAN	1.65	1.82	2.02	2.76	3.06	6.03	5.80	3.21	2.50	2.27	2.07	1.91	2.90	
M.	1.60	2.07	2.23	3.14	5.21	6.95	6.92	4.10	2.71	2.30	2.16	1.90	6.95	
MIN.	1.62	1.50	1.95	2.26	3.14	5.15	4.20	2.71	2.30	2.16	1.90	1.80	1.50	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1960/61	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	59.6	54.6	80.1	129.5	246.7	712.1	1320.2	456.3	170.9	133.3	107.0	80.1		
2	59.6	54.6	80.1	129.5	246.7	721.0	1308.1	435.3	174.5	129.5	107.0	80.1		
3	59.6	54.6	85.0	122.0	246.7	739.0	1284.2	414.7	170.1	129.5	104.4	80.1		
4	59.6	54.6	85.0	118.4	251.9	757.2	1272.3	352.2	165.0	129.5	104.4	80.1		
5	57.1	54.6	85.0	122.0	262.5	766.4	1240.7	349.7	161.6	129.5	104.4	80.1		
6	57.1	54.6	85.0	137.2	262.6	766.4	1225.2	331.3	157.4	129.5	104.4	80.1		
7	57.1	52.1	85.0	133.2	273.5	784.9	1202.1	319.3	157.4	125.7	104.4	80.1		
8	57.1	54.6	85.0	137.2	250.0	813.1	1190.6	301.7	157.4	125.7	104.4	80.1		
9	57.1	57.1	85.0	141.1	204.6	832.2	1167.7	290.2	157.4	125.7	104.4	80.1		
10	57.1	59.6	85.0	165.0	279.0	832.2	1145.1	279.0	157.4	125.7	101.0	80.1		
11	57.1	62.2	85.0	192.5	273.5	822.6	1122.7	260.0	153.2	122.0	101.0	81.9		
12	57.1	64.0	91.2	193.4	279.0	832.2	1099.5	262.6	153.2	122.0	101.0	81.9		
13	57.1	70.3	88.1	170.1	290.0	800.9	1066.0	257.2	153.2	122.0	97.7	81.9		
14	57.1	73.1	88.1	165.0	343.5	910.8	1024.6	251.9	153.2	122.0	97.7	81.9		
15	57.1	76.0	88.1	183.4	362.2	951.4	972.0	246.7	149.1	122.0	97.7	70.9		
16	57.1	85.0	91.2	187.9	350.6	992.9	920.0	241.5	149.1	119.4	97.7	70.9		
17	57.1	85.0	91.2	192.5	375.0	1024.6	880.9	236.3	145.1	119.4	94.4	70.9		
18	57.1	81.2	88.1	201.9	375.0	1024.6	841.0	231.2	145.1	119.4	94.4	70.9		
19	54.6	85.0	91.2	221.2	414.7	1180.5	813.1	226.2	145.1	119.4	94.4	70.9		
20	54.6	84.4	91.2	231.2	449.2	1099.5	784.9	221.2	141.1	114.0	94.4	70.9		
21	54.6	97.7	94.4	236.3	500.0	1122.7	740.1	221.2	141.1	114.0	94.4	70.9		
22	54.6	94.4	94.4	231.2	530.2	1156.4	721.0	216.3	141.1	114.0	94.4	70.9		
23	57.1	94.4	94.4	226.2	577.1	1190.6	694.5	216.3	137.2	114.0	91.2	76.0		
24	57.1	91.2	101.0	221.2	626.1	1225.2	659.0	206.6	137.2	114.0	91.2	76.0		
25	57.1	80.1	101.0	221.2	695.7	1240.7	617.0	201.9	137.2	111.3	91.2	76.0		
26	57.1	95.0	101.0	231.2	703.3	1260.4	593.2	201.9	137.2	111.3	91.2	76.0		
27	57.1	85.0	101.0	236.3	730.0	1272.3	569.2	197.2	133.3	111.3	91.2	73.1		
28	57.1	81.9	104.4	231.2	730.0	1284.2	545.6	192.5	133.3	111.3	91.2	73.1		
29	57.1	80.1	107.0	241.5		1284.2	515.0	187.9	133.3	111.3	91.2	73.1		
30	57.1	81.2	111.3	246.7		1308.1	485.2	183.4	133.3	111.3	91.2	73.1		
31	57.1		114.0	246.7		1322.3		170.9		107.0	80.1			
MEAN	57.1	74.2	92.7	180.3	401.3	1001.3	933.7	363.0	149.7	119.9	97.5	80.7	207.2	
M.	59.6	97.7	114.0	246.7	730.0	1332.3	1320.2	456.3	170.9	133.3	107.0	80.1	1332.3	
MIN.	54.6	52.1	85.0	118.4	246.7	712.1	485.2	170.9	133.3	107.0	80.1	73.1	52.1	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(5day): 282.6      Q(185day): 125.7      Q(275day): 90.1      Q(355day): 54.6

PROGRAM for DP-05(Normal Year):Daily River W/L & Discharge

*IIM*	ST.: 1-950	WATOPA PONTOON											YEAR : 1961/62	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	1.03	1.05	2.41	3.47	3.90	5.61	6.03	5.05	3.14	2.59	2.44	2.23	
2	2	1.03	1.05	2.41	3.51	3.07	5.61	6.03	4.94	3.11	2.65	2.44	2.23	
3	3	1.03	1.05	2.30	3.51	3.04	5.61	6.03	4.02	3.11	2.65	2.41	2.23	
4	4	1.03	1.09	2.35	3.47	3.04	5.61	6.06	4.66	3.00	2.65	2.41	2.19	
5	5	1.03	1.09	2.30	3.47	3.90	5.64	6.06	4.54	3.05	2.65	2.41	2.19	
6	6	1.00	1.09	2.30	3.51	3.96	5.64	6.06	4.42	3.02	2.62	2.41	2.19	
7	7	1.00	1.09	2.35	3.54	4.05	5.67	6.09	4.33	3.02	2.59	2.30	2.16	
8	8	1.00	1.92	2.32	3.69	4.15	5.67	6.95	4.24	2.99	2.62	2.30	2.16	
9	9	1.00	1.92	2.32	3.70	4.27	5.70	6.99	4.15	2.95	2.59	2.30	2.16	
10	10	1.00	1.92	2.32	3.94	4.42	5.79	6.99	4.00	2.95	2.59	2.30	2.16	
11	11	1.03	1.95	2.44	3.07	4.66	5.95	6.95	4.05	2.95	2.59	2.30	2.13	
12	12	1.83	1.95	2.44	3.93	4.02	5.99	6.92	3.96	2.92	2.59	2.30	2.13	
13	13	1.03	1.95	2.47	3.95	4.97	5.92	6.93	3.90	2.92	2.56	2.30	2.13	
14	14	1.00	1.95	2.50	4.02	5.00	5.79	6.06	3.97	2.90	2.56	2.30	2.10	
15	15	1.00	1.92	2.53	4.00	4.94	5.73	6.74	3.84	2.90	2.56	2.30	2.10	
16	16	1.00	1.99	2.59	4.10	4.80	5.73	6.48	3.75	2.87	2.56	2.35	2.10	
17	17	1.00	2.01	2.60	4.21	4.05	5.76	6.31	3.72	2.87	2.53	2.35	2.10	
18	18	1.00	2.01	2.77	4.19	4.02	5.92	6.19	3.65	2.83	2.53	2.35	2.10	
19	19	1.00	2.04	2.97	4.10	4.05	5.92	6.07	3.60	2.83	2.53	2.35	2.07	
20	20	1.00	2.13	2.96	4.11	4.80	5.95	5.94	3.54	2.80	2.53	2.32	2.07	
21	21	1.77	2.16	3.11	4.05	4.94	5.97	5.05	3.51	2.80	2.53	2.32	2.07	
22	22	1.77	2.16	3.23	3.96	5.00	6.07	5.76	3.47	2.77	2.53	2.29	2.07	
23	23	1.77	2.19	3.35	3.97	5.09	6.13	5.70	3.41	2.77	2.50	2.29	2.07	
24	24	1.77	2.29	3.41	3.94	5.19	6.40	5.67	3.39	2.77	2.50	2.29	2.04	
25	25	1.77	2.32	3.44	3.91	5.30	6.55	5.61	3.32	2.74	2.50	2.29	2.04	
26	26	1.77	2.35	3.47	3.70	5.43	6.55	5.50	3.29	2.74	2.50	2.26	2.04	
27	27	1.77	2.35	3.47	3.91	5.52	6.55	5.49	3.25	2.71	2.50	2.25	2.04	
28	28	1.77	2.35	3.51	3.90	5.59	6.59	5.43	3.25	2.69	2.47	2.29	2.04	
29	29	1.77	2.39	3.54	3.99		6.64	5.30	3.20	2.71	2.47	2.25	2.04	
30	30	1.77	2.39	3.54	3.99		6.74	5.19	3.20	2.69	2.47	2.25	2.04	
31	31	1.77		3.51	3.93		6.77		3.17		2.47	2.25		
MEAN		1.80	2.05	2.92	3.95	4.67	5.99	6.32	3.96	2.89	2.56	2.34	2.12	3.43
MAX		1.03	2.30	3.54	4.21	5.59	6.77	6.99	5.05	3.14	2.69	2.44	2.23	6.99
MIN		1.77	1.95	2.32	3.47	3.04	5.61	5.19	3.17	2.59	2.47	2.25	2.04	1.77

*QM*	ST.: 1-950	WATOPA PONTOON											YEAR : 1961/62	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	73.1	76.0	137.2	307.5	394.6	951.5	1284.2	605.7	246.7	174.5	141.1	114.0	
2	2	73.1	76.0	137.2	313.4	380.0	951.5	1284.2	651.3	241.5	170.1	141.1	114.0	
3	3	73.1	76.0	133.3	313.4	391.5	951.5	1294.2	617.8	241.5	170.1	137.2	114.0	
4	4	73.1	79.9	129.5	307.5	381.5	951.5	1296.1	577.1	235.3	170.1	137.2	111.3	
5	5	73.1	79.9	133.3	307.5	394.6	951.3	1296.1	545.6	231.2	170.1	137.2	111.3	
6	6	70.3	79.9	133.3	313.4	407.9	961.3	1296.1	515.0	225.2	165.0	137.2	111.3	
7	7	70.3	79.9	129.5	319.3	420.3	971.0	1308.1	492.6	226.2	161.6	133.3	107.0	
8	8	73.1	81.9	125.7	349.7	449.2	971.0	1332.3	470.7	221.2	165.9	133.3	107.0	
9	9	70.3	81.9	125.7	350.6	477.9	980.9	1344.5	449.2	216.3	161.6	133.3	107.0	
10	10	70.3	81.9	125.7	391.5	515.0	910.0	1344.5	435.3	215.2	161.6	133.3	107.0	
11	11	73.1	85.0	141.1	398.0	577.1	931.0	1332.3	429.3	216.2	161.6	133.3	104.4	
12	12	73.1	85.0	141.1	401.2	617.8	941.1	1320.2	407.9	211.4	161.6	133.3	104.4	
13	13	73.1	85.0	145.1	407.9	659.0	920.8	1294.2	394.6	211.4	157.4	133.3	104.4	
14	14	70.3	85.0	149.1	421.5	660.4	910.0	1296.1	390.0	205.6	157.4	133.3	101.0	
15	15	70.3	81.9	153.2	435.3	651.3	890.8	1248.7	381.5	205.6	157.4	133.3	101.0	
16	16	70.3	88.1	161.6	456.3	634.4	890.8	1145.1	362.2	201.9	157.4	129.5	101.0	
17	17	70.3	91.2	174.5	463.5	626.1	900.0	1099.5	355.9	201.9	152.2	129.5	101.0	
18	18	70.3	91.2	187.9	458.3	617.8	920.0	1046.0	343.5	197.2	152.2	129.5	101.0	
19	19	70.3	94.4	201.9	456.3	626.1	920.0	1003.4	331.3	197.2	152.2	129.5	97.7	
20	20	70.3	104.4	216.3	442.2	634.4	931.0	961.7	319.3	192.5	152.2	125.7	97.7	
21	21	67.6	107.0	241.5	429.3	651.3	972.0	931.0	313.4	192.5	152.2	125.7	97.7	
22	22	67.6	107.0	262.6	407.9	660.4	1003.4	900.0	307.5	187.9	152.2	122.0	97.7	
23	23	67.6	111.3	294.6	390.0	684.5	1024.6	890.9	295.9	187.9	149.1	122.0	97.7	
24	24	67.6	122.0	295.9	381.5	721.0	1122.7	971.0	290.2	187.9	149.1	122.0	94.4	
25	25	67.6	125.7	301.7	375.0	757.2	1179.1	951.5	279.0	183.4	149.1	122.0	94.4	
26	26	67.6	129.5	307.5	369.6	794.3	1179.1	841.8	273.5	183.4	149.1	118.4	94.4	
27	27	67.6	129.5	307.5	375.0	822.6	1179.1	813.1	260.0	179.9	149.1	118.4	94.4	
28	28	67.6	129.5	313.4	394.6	841.8	1190.6	794.3	260.0	174.5	145.1	122.0	94.4	
29	29	67.6	133.3	319.3	414.7		1213.6	757.2	257.2	170.9	145.1	118.4	94.4	
30	30	67.6	133.3	319.3	414.7		1240.7	721.0	257.2	174.5	145.1	118.4	94.4	
31	31	67.6		313.4	401.2		1260.4		251.9		145.1	118.4		
MEAN		70.1	87.0	201.6	395.9	509.7	990.5	1105.3	394.0	205.9	157.1	129.1	102.5	355.2
MAX		73.1	133.3	319.3	463.5	941.9	1260.4	1344.5	605.7	246.7	174.5	141.1	114.0	1344.5
MIN		67.6	76.0	125.7	307.5	391.5	951.5	721.0	351.9	174.5	145.1	118.4	94.4	67.6

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(5day): 449.2      Q(195day): 192.5      Q(275day): 122.0      Q(355day): 67.6

\*\*\* MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge \*\*\*

*HM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1962/63													[WATER LEVEL (m)]																									
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL													
1	2.01	1.99	2.71	5.49	5.70	6.52	5.82	3.54	2.90	2.59	2.35	2.13		2.01	1.99	2.71	5.49	5.70	6.52	5.82	3.54	2.90	2.59	2.35	2.13		2.01	1.99	2.71	5.49	5.70	6.52	5.82	3.54	2.90	2.59	2.35	2.13		2.01	1.99	2.71	5.49	5.70	6.52	5.82	3.54	2.90	2.59	2.35	2.13	
2	2.01	1.89	2.71	5.30	5.61	6.37	5.76	3.51	2.90	2.59	2.35	2.13		2.01	1.89	2.71	5.30	5.61	6.37	5.76	3.51	2.90	2.59	2.35	2.13		2.01	1.89	2.71	5.30	5.61	6.37	5.76	3.51	2.90	2.59	2.35	2.13		2.01	1.89	2.71	5.30	5.61	6.37	5.76	3.51	2.90	2.59	2.35	2.13	
3	1.90	1.06	2.65	5.06	5.50	6.20	5.73	3.47	2.77	2.56	2.35	2.13		1.90	1.06	2.65	5.06	5.50	6.20	5.73	3.47	2.77	2.56	2.35	2.13		1.90	1.06	2.65	5.06	5.50	6.20	5.73	3.47	2.77	2.56	2.35	2.13		1.90	1.06	2.65	5.06	5.50	6.20	5.73	3.47	2.77	2.56	2.35	2.13	
4	1.90	1.06	2.00	5.06	5.55	6.16	5.67	3.44	2.77	2.56	2.35	2.13		1.90	1.06	2.00	5.06	5.55	6.16	5.67	3.44	2.77	2.56	2.35	2.13		1.90	1.06	2.00	5.06	5.55	6.16	5.67	3.44	2.77	2.56	2.35	2.13		1.90	1.06	2.00	5.06	5.55	6.16	5.67	3.44	2.77	2.56	2.35	2.13	
5	1.90	1.06	2.93	5.00	5.61	6.07	5.64	3.41	2.77	2.56	2.32	2.10		1.90	1.06	2.93	5.00	5.61	6.07	5.64	3.41	2.77	2.56	2.32	2.10		1.90	1.06	2.93	5.00	5.61	6.07	5.64	3.41	2.77	2.56	2.32	2.10		1.90	1.06	2.93	5.00	5.61	6.07	5.64	3.41	2.77	2.56	2.32	2.10	
6	1.90	1.06	3.14	5.00	5.64	6.04	5.61	3.30	2.74	2.56	2.32	2.10		1.90	1.06	3.14	5.00	5.64	6.04	5.61	3.30	2.74	2.56	2.32	2.10		1.90	1.06	3.14	5.00	5.64	6.04	5.61	3.30	2.74	2.56	2.32	2.10		1.90	1.06	3.14	5.00	5.64	6.04	5.61	3.30	2.74	2.56	2.32	2.10	
7	1.90	1.06	3.29	5.03	5.64	6.10	5.55	3.35	2.74	2.56	2.32	2.10		1.90	1.06	3.29	5.03	5.64	6.10	5.55	3.35	2.74	2.56	2.32	2.10		1.90	1.06	3.29	5.03	5.64	6.10	5.55	3.35	2.74	2.56	2.32	2.10		1.90	1.06	3.29	5.03	5.64	6.10	5.55	3.35	2.74	2.56	2.32	2.10	
8	1.95	1.06	3.41	5.15	5.50	6.19	5.49	3.32	2.74	2.56	2.32	2.10		1.95	1.06	3.41	5.15	5.50	6.19	5.49	3.32	2.74	2.56	2.32	2.10		1.95	1.06	3.41	5.15	5.50	6.19	5.49	3.32	2.74	2.56	2.32	2.10		1.95	1.06	3.41	5.15	5.50	6.19	5.49	3.32	2.74	2.56	2.32	2.10	
9	1.90	1.06	3.54	5.30	5.43	6.20	5.39	3.29	2.71	2.53	2.32	2.07		1.90	1.06	3.54	5.30	5.43	6.20	5.39	3.29	2.71	2.53	2.32	2.07		1.90	1.06	3.54	5.30	5.43	6.20	5.39	3.29	2.71	2.53	2.32	2.07		1.90	1.06	3.54	5.30	5.43	6.20	5.39	3.29	2.71	2.53	2.32	2.07	
10	1.90	1.06	3.66	5.43	5.43	6.31	5.30	3.26	2.71	2.53	2.29	2.07		1.90	1.06	3.66	5.43	5.43	6.31	5.30	3.26	2.71	2.53	2.29	2.07		1.90	1.06	3.66	5.43	5.43	6.31	5.30	3.26	2.71	2.53	2.29	2.07		1.90	1.06	3.66	5.43	5.43	6.31	5.30	3.26	2.71	2.53	2.29	2.07	
11	1.95	1.09	3.79	5.53	5.39	6.31	5.12	3.23	2.71	2.53	2.29	2.10		1.95	1.09	3.79	5.53	5.39	6.31	5.12	3.23	2.71	2.53	2.29	2.10		1.95	1.09	3.79	5.53	5.39	6.31	5.12	3.23	2.71	2.53	2.29	2.10		1.95	1.09	3.79	5.53	5.39	6.31	5.12	3.23	2.71	2.53	2.29	2.10	
12	1.95	1.92	3.04	5.55	5.43	6.20	4.97	3.20	2.71	2.53	2.26	2.07		1.95	1.92	3.04	5.55	5.43	6.20	4.97	3.20	2.71	2.53	2.26	2.07		1.95	1.92	3.04	5.55	5.43	6.20	4.97	3.20	2.71	2.53	2.26	2.07		1.95	1.92	3.04	5.55	5.43	6.20	4.97	3.20	2.71	2.53	2.26	2.07	
13	1.92	1.90	3.99	5.52	5.49	6.20	4.95	3.17	2.69	2.50	2.26	2.07		1.92	1.90	3.99	5.52	5.49	6.20	4.95	3.17	2.69	2.50	2.26	2.07		1.92	1.90	3.99	5.52	5.49	6.20	4.95	3.17	2.69	2.50	2.26	2.07		1.92	1.90	3.99	5.52	5.49	6.20	4.95	3.17	2.69	2.50	2.26	2.07	
14	1.95	1.90	4.11	5.49	5.49	6.31	4.69	3.14	2.69	2.50	2.26	2.07		1.95	1.90	4.11	5.49	5.49	6.31	4.69	3.14	2.69	2.50	2.26	2.07		1.95	1.90	4.11	5.49	5.49	6.31	4.69	3.14	2.69	2.50	2.26	2.07		1.95	1.90	4.11	5.49	5.49	6.31	4.69	3.14	2.69	2.50	2.26	2.07	
15	1.95	1.90	4.27	5.49	5.55	6.37	4.54	3.11	2.69	2.50	2.26	2.07		1.95	1.90	4.27	5.49	5.55	6.37	4.54	3.11	2.69	2.50	2.26	2.07		1.95	1.90	4.27	5.49	5.55	6.37	4.54	3.11	2.69	2.50	2.26	2.07		1.95	1.90	4.27	5.49	5.55	6.37	4.54	3.11	2.69	2.50	2.26	2.07	
16	1.95	2.01	4.36	5.52	5.70	6.46	4.36	3.00	2.69	2.50	2.26	2.04		1.95	2.01	4.36	5.52	5.70	6.46	4.36	3.00	2.69	2.50	2.26	2.04		1.95	2.01	4.36	5.52	5.70	6.46	4.36	3.00	2.69	2.50	2.26	2.04		1.95	2.01	4.36	5.52	5.70	6.46	4.36	3.00	2.69	2.50	2.26	2.04	
17	1.95	2.10	4.39	5.55	5.82	6.64	4.24	3.05	2.65	2.47	2.23	2.07		1.95	2.10	4.39	5.55	5.82	6.64	4.24	3.05	2.65	2.47	2.23	2.07		1.95	2.10	4.39	5.55	5.82	6.64	4.24	3.05	2.65	2.47	2.23	2.07		1.95	2.10	4.39	5.55	5.82	6.64	4.24	3.05	2.65	2.47	2.23	2.07	
18	1.92	2.16	4.39	5.61	5.91	6.90	4.15	3.05	2.65	2.47	2.23	2.04		1.92	2.16	4.39	5.61	5.91	6.90	4.15	3.05	2.65	2.47	2.23	2.04		1.92	2.16	4.39	5.61	5.91	6.90	4.15	3.05	2.65	2.47	2.23	2.04		1.92	2.16	4.39	5.61	5.91	6.90	4.15	3.05	2.65	2.47	2.23	2.04	
19	1.92	2.19	4.75	5.61	5.97	6.98	4.05	3.02	2.65	2.47	2.23	2.04		1.92	2.19	4.75	5.61	5.97	6.98	4.05	3.02	2.65	2.47	2.23	2.04		1.92	2.19	4.75	5.61	5.97	6.98	4.05	3.02	2.65	2.47	2.23	2.04		1.92	2.19	4.75	5.61	5.97	6.98	4.05	3.02	2.65	2.47	2.23	2.04	
20	1.92	2.23	4.94	5.61	6.10	7.13	3.96	2.99	2.65	2.44	2.23	2.04		1.92	2.23	4.94	5.61	6.10	7.13	3.96	2.99	2.65	2.44	2.23	2.04		1.92	2.23	4.94	5.61	6.10	7.13	3.96	2.99	2.65	2.44	2.23	2.04		1.92	2.23	4.94	5.61	6.10	7.13	3.96	2.99	2.65	2.44	2.23	2.04	
21	1.92	2.32	5.12	5.70	6.19	7.19	3.90	2.99	2.65	2.44	2.23	2.01		1.92	2.32	5.12	5.70	6.19	7.19	3.90	2.99	2.65	2.44	2.23	2.01		1.92	2.32	5.12	5.70	6.19	7.19	3.90	2.99	2.65	2.44	2.23	2.01		1.92	2.32	5.12	5.70	6.19	7.19	3.90	2.99	2.65	2.44	2.23	2.01	
22	1.92	2.35	5.30	5.79	6.22	7.22	3.87	2.96	2.65	2.44	2.23	2.01		1.92	2.35	5.30	5.79	6.22	7.22	3.87	2.96	2.65	2.44	2.23	2.01		1.92	2.35	5.30	5.79	6.22	7.22	3.87	2.96	2.65	2.44	2.23	2.01		1.92	2.35	5.30	5.79	6.22	7.22	3.87	2.96	2.65	2.44	2.23	2.01	
23	1.92	2.41	5.43	5.94	6.31	7.16	3.90	2.93	2.62	2.44	2.23	2.01		1.92	2.41	5.43	5.94	6.31	7.16	3.90	2.93	2.62	2.44	2.23	2.01		1.92	2.41	5.43	5.94	6.31	7.16	3.90	2.93	2.62	2.44	2.23	2.01		1.92	2.41	5.43	5.94	6.31	7.16	3.90	2.93	2.62	2.44	2.23	2.01	
24	1.92	2.50	5.52	6.10	6.40	7.01	3.84	2.93	2.62	2.44	2.23	2.01		1.92	2.50	5.52	6.10	6.40	7.01	3.84	2.93	2.62	2.44	2.23	2.01		1.92	2.50	5.52	6.10	6.40	7.01	3.84	2.93	2.62	2.44	2.23	2.01		1.92	2.50	5.52	6.10	6.40	7.01	3.84	2.93	2.62	2.44	2.23	2.01	
25	1.92	2.56	5.61	6.22	6.49	6.90	3.79	2.90	2.62	2.41	2.19	2.01		1.92	2.56	5.61	6.22	6.49	6.90	3.79	2.90	2.62	2.41	2.19	2.01		1.92	2.56	5.61	6.22	6.49	6.90	3.79	2.90	2.62	2.41	2.19	2.01		1.92	2.56	5.61	6.22	6.49	6.90	3.79	2.90	2.62	2.41	2.19	2.01	
26	1.92	2.63	5.70	6.31	6.59	6.55	3.72	2.90	2.62	2.41	2.16	2.01		1.92	2.63	5.70	6.31	6.59	6.55	3.72	2.90	2.62	2.41	2.16	2.01		1.92	2.63	5.70	6.31	6.59	6.55	3.72	2.90	2.62	2.41	2.16	2.01		1.92	2.63	5.70	6.31	6.59	6.55	3.72	2.90	2.62	2.41	2.16		

<< MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>>

*HM* ST.: 1-950 WATOPA PONTOON		YEAR: 1983/84											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.90	2.10	2.90	3.60	3.90	5.00	4.95	2.99	2.50	2.35	2.23	2.04		
2	1.90	2.13	2.93	3.63	4.05	5.75	4.85	2.96	2.53	2.35	2.19	2.04		
3	1.90	2.10	3.02	3.63	4.00	5.64	4.79	2.93	2.53	2.35	2.19	2.04		
4	1.95	2.13	3.14	3.60	4.05	5.52	4.69	2.93	2.50	2.32	2.19	2.04		
5	1.95	2.13	3.26	3.57	3.99	5.39	4.60	2.90	2.50	2.32	2.19	2.01		
6	1.95	2.13	3.29	3.54	4.02	5.24	4.40	2.90	2.50	2.32	2.19	2.01		
7	1.95	2.16	3.47	3.54	4.00	5.12	4.42	2.87	2.47	2.32	2.19	2.01		
8	1.95	2.16	3.51	3.57	4.24	5.02	4.33	2.83	2.44	2.32	2.19	2.01		
9	1.95	2.23	3.57	3.60	4.39	4.94	4.27	2.83	2.47	2.32	2.19	2.01		
10	1.95	2.32	3.69	3.63	4.51	4.85	4.10	2.80	2.47	2.32	2.16	2.01		
11	1.95	2.35	3.75	3.66	4.51	4.72	4.11	2.80	2.44	2.32	2.16	2.01		
12	1.95	2.35	3.87	3.75	4.72	4.66	4.02	2.77	2.44	2.29	2.16	2.01		
13	1.95	2.41	3.96	3.81	4.88	4.72	3.96	2.77	2.44	2.29	2.16	1.90		
14	1.95	2.50	4.05	3.96	5.02	4.54	3.87	2.77	2.44	2.29	2.16	1.90		
15	1.95	2.50	4.11	4.00	5.12	4.54	3.78	2.74	2.41	2.29	2.16	1.90		
16	1.95	2.53	4.21	4.11	5.27	4.60	3.72	2.74	2.41	2.29	2.13	1.90		
17	1.95	2.56	4.24	4.11	5.43	4.69	3.66	2.71	2.41	2.29	2.13	1.90		
18	1.95	2.53	4.21	4.05	5.59	4.57	3.57	2.71	2.41	2.29	2.13	1.90		
19	1.95	2.53	4.21	3.99	5.73	4.02	3.51	2.60	2.41	2.26	2.13	1.90		
20			4.10	3.93	5.88	4.95	3.44	2.65	2.41	2.26	2.13	1.95		
21	1.92	2.53	4.11	3.81	5.97	4.91	3.38	2.65	2.41	2.26	2.13	1.95		
22	1.92	2.53	4.08	3.78	6.04	4.94	3.32	2.65	2.35	2.26	2.10	1.95		
23	1.92	2.50	4.02	3.72	6.07	5.00	3.29	2.62	2.30	2.26	2.10	1.95		
24			3.96	3.69	6.13	5.06	3.23	2.62	2.30	2.26	2.10	1.95		
25	1.92	2.56	3.96	3.69	6.16	5.09	3.20	2.62	2.30	2.23	2.10	1.95		
26	1.92	2.59	3.93	3.75	6.19	5.09	3.14	2.59	2.30	2.23	2.10	1.95		
27	1.92	2.62	3.93	3.78	6.16	5.09	3.11	2.59	2.30	2.23	2.10	1.95		
28	1.95	2.60	3.90	3.84	6.07	5.06	3.09	2.56	2.35	2.23	2.07	1.92		
29	1.90	2.77	3.87	3.87	5.97	5.03	3.05	2.56	2.35	2.23	2.07	1.92		
30	2.01	2.82	3.84	3.87		5.03	3.02	2.56	2.35	2.23	2.04	1.89		
31	2.04		3.78	3.93		4.97		2.53		2.23	2.04			
MEAN	1.95	2.42	3.77	3.78	5.11	5.01	3.83	2.74	2.43	2.29	2.14	1.90	3.11	
M.	2.04	2.03	4.24	4.11	6.19	5.88	4.95	2.99	2.53	2.25	2.23	2.04	6.19	
MIN.	1.92	2.10	2.90	3.54	3.92	4.54	3.02	2.53	2.35	2.23	2.04	1.89	1.89	

*QM* ST.: 1-950 WATOPA PONTOON		YEAR: 1983/84											[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	88.1	101.0	206.6	349.7	414.7	941.1	655.6	221.2	153.2	129.5	114.0	94.4		
2	88.1	104.4	211.4	337.4	420.3	900.0	626.1	216.3	153.2	129.5	111.3	94.4		
3	88.1	101.0	226.2	337.4	435.3	861.3	609.5	211.4	153.2	129.5	111.3	94.4		
4	95.0	104.4	246.7	331.3	428.3	822.6	585.2	211.4	149.1	125.7	111.3	94.4		
5	95.0	104.4	260.0	325.2	414.7	784.9	561.3	208.6	149.1	125.7	111.3	91.2		
6	95.0	104.4	273.5	319.3	421.5	739.0	530.2	206.6	149.1	125.7	111.3	91.2		
7	95.0	107.0	307.5	319.3	435.3	703.2	515.0	201.9	145.1	125.7	111.3	91.2		
8	95.0	107.8	313.4	325.2	470.7	677.0	492.6	197.2	141.1	125.7	111.3	91.2		
9	95.0	114.0	325.2	331.3	507.4	651.3	477.9	197.2	145.1	125.7	111.3	91.2		
10			49.7	337.4	537.9	626.1	456.3	192.5	145.1	125.7	107.0	91.2		
11	95.0	129.5	352.2	343.5	537.9	593.2	442.2	192.5	141.1	125.7	107.0	91.2		
12	95.0	129.5	388.0	362.2	593.2	577.1	421.5	187.9	141.1	122.0	107.0	91.2		
13	95.0	137.2	407.9	375.0	624.4	593.2	407.9	187.9	141.1	122.0	107.0	90.1		
14	95.0	149.1	428.3	407.9	677.0	545.6	388.0	187.9	141.1	122.0	107.0	90.1		
15	95.0	149.1	442.2	435.3	703.3	545.6	368.6	183.4	137.2	122.0	107.0	90.1		
16	95.0	153.2	453.5	442.2	748.1	561.3	355.9	183.4	137.2	122.0	104.4	90.1		
17	95.0	157.4	470.7	442.2	794.3	585.2	343.5	178.9	137.2	122.0	104.4	90.1		
18	95.0	153.2	463.5	428.3	841.0	553.4	325.2	178.9	137.2	122.0	104.4	90.1		
19	95.0	153.2	463.5	414.7	890.0	617.0	313.4	174.5	137.2	118.4	104.4	90.1		
20	81.9	153.2	456.3	401.2	941.1	626.1	301.7	170.1	137.2	118.4	104.4	85.0		
21	81.9	153.2	442.2	375.0	972.0	642.0	290.2	170.1	137.2	118.4	104.4	85.0		
22	81.9	153.2	435.3	368.6	992.9	651.3	279.0	170.1	129.5	118.4	101.0	85.0		
23	81.9	149.1	421.5	355.9	1002.4	668.4	273.5	165.0	123.3	118.4	101.0	85.0		
24	81.9	153.2	407.9	349.7	1024.6	685.7	262.6	165.0	123.3	118.4	101.0	85.0		
25	81.9	157.4	407.9	349.7	1035.3	694.5	257.2	165.0	123.3	114.0	101.0	85.0		
26	81.9	161.6	401.2	362.2	1046.0	694.5	246.7	161.6	123.3	114.0	101.0	85.0		
27	81.9	165.8	401.2	368.6	1035.3	694.5	241.5	161.6	123.3	114.0	97.7	85.0		
28					103.4	605.7	236.3	157.4	129.5	114.0	97.7	81.9		
29	88.1	187.9	388.0	388.0	972.0	677.0	231.2	157.4	129.5	114.0	97.7	81.9		
30	91.2	197.2	381.5	388.0		677.0	226.2	157.4	129.5	114.0	94.4	78.9		
31	94.4		368.6	401.2		659.0		153.2		114.0	94.4			
MEAN	85.1	139.0	371.7	369.5	722.1	675.4	390.7	183.0	139.0	121.4	105.3	88.2	281.2	
M.	94.4	127.2	470.7	442.2	1046.0	941.1	655.6	221.2	153.2	129.5	114.0	94.4	1046.0	
MIN.	81.9	101.0	206.6	319.3	414.7	545.6	226.2	153.2	129.5	114.0	94.4	78.9	78.9	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^{2.2}$   
 [Flow Regime (m3/s)]:  
 Q(1day): 645.0      Q(105day): 340.5      Q(275day): 275.6      Q(365day): 236.2

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

*IIM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1964/65		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.02	1.92	2.29	3.32	3.70	5.12	3.95	2.99	2.44	2.26	2.12	1.98					
2	1.02	1.92	2.32	3.30	3.91	5.09	3.97	2.96	2.44	2.25	2.10	1.98					
3	1.09	1.92	2.35	3.41	3.90	5.03	3.90	2.93	2.44	2.25	2.10	1.98					
4	1.06	1.95	2.39	3.41	3.92	4.97	3.93	2.90	2.41	2.25	2.13	1.98					
5	1.06	1.95	2.41	3.30	4.05	4.88	3.96	2.87	2.41	2.25	2.10	1.95					
6	1.06	1.95	2.41	3.39	4.02	4.85	4.02	2.93	2.41	2.23	2.10	1.95					
7	1.06	1.92	2.41	3.30	4.09	4.82	4.05	2.90	2.41	2.23	2.10	1.95					
8	1.02	1.92	2.44	3.41	4.24	4.79	4.08	2.80	2.41	2.23	2.07	1.98					
9	1.06	1.95	2.41	3.41	4.33	4.79	4.05	2.77	2.41	2.23	2.07	1.98					
10	1.03	1.95	2.44	3.44	4.42	4.75	3.99	2.74	2.41	2.23	2.07	1.95					
11	1.03	1.95	2.44	3.51	4.51	4.72	3.93	2.71	2.41	2.23	2.07	1.95					
12	1.02	1.98	2.44	3.51	4.68	4.72	3.90	2.60	2.41	2.23	2.07	1.98					
13	1.03	1.98	2.44	3.51	4.72	4.69	3.87	2.60	2.44	2.19	2.07	1.98					
14	1.02	1.98	2.47	3.54	4.79	4.66	3.84	2.60	2.44	2.19	2.07	1.98					
15	1.02	2.01	2.50	3.54	4.85	4.66	3.79	2.65	2.44	2.19	2.04	1.98					
16	1.02	2.01	2.53	3.54	4.91	4.69	3.75	2.62	2.41	2.19	2.04	1.98					
17	1.02	2.04	2.53	3.50	4.97	4.72	3.72	2.62	2.41	2.19	2.04	1.98					
18	1.06	2.04	2.50	3.69	5.00	4.75	3.69	2.59	2.41	2.19	2.04	1.95					
19	1.06	2.07	2.50	3.72	5.03	4.79	3.63	2.59	2.39	2.19	2.04	1.95					
20		1.97	2.53	3.91	5.05	4.82	3.57	2.56	2.39	2.19	2.04	1.95					
21	1.06	2.10	2.56	3.87	5.09	4.82	3.54	2.56	2.35	2.19	2.04	1.92					
22	1.06	2.10	2.56	3.90	5.15	4.82	3.47	2.56	2.35	2.19	2.01	1.89					
23	1.92	2.10	2.53	3.97	5.12	4.75	3.41	2.53	2.32	2.18	2.01	1.89					
24	1.92	2.10	2.59	3.94	5.09	4.72	3.35	2.53	2.32	2.16	2.01	1.89					
25	1.92	2.10	2.74	3.94	5.09	4.66	3.29	2.50	2.32	2.16	2.01	1.89					
26	1.92	2.13	2.90	3.78	5.09	4.57	3.23	2.50	2.32	2.16	2.01	1.89					
27	1.92	2.16	2.99	3.75	5.12	4.45	3.17	2.50	2.29	2.16	2.01	1.86					
28	1.95	2.19	3.05	3.75	5.15	4.36	3.14	2.47	2.29	2.13	2.01	1.86					
29	1.95	2.23	3.11	3.69		4.24	3.08	2.47	2.29	2.13	2.01	1.86					
30	1.92	2.26	3.20	3.72		4.11	3.05	2.47	2.29	2.13	1.98	1.86					
31	1.92		3.26	3.78		4.05		2.47		2.13	1.98						
MEAN	1.87	2.02	2.59	3.60	4.64	4.71	3.60	2.66	2.39	2.29	2.05	1.94	2.05				
M	1.95	2.26	2.26	1.90	5.15	5.12	4.09	2.99	2.44	2.25	2.13	1.98	5.15				
MIN.	1.02	1.92	2.29	3.32	3.70	4.05	3.05	2.47	2.29	2.13	1.98	1.86	1.92				

*QM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1964/65		[DISCHARGE (m <sup>3</sup> /sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	79.9	81.9	122.0	272.0	369.6	703.3	407.9	221.2	141.1	119.4	104.4	98.1					
2	79.9	81.9	125.7	290.2	375.0	694.5	401.2	216.3	141.1	119.4	101.0	98.1					
3	79.9	81.9	129.5	295.9	394.6	677.0	394.8	211.4	141.1	119.4	101.0	98.1					
4	76.0	85.0	133.3	295.9	401.2	659.0	401.2	206.6	137.2	119.4	104.4	98.1					
5	75.0	85.0	137.2	290.2	420.3	634.4	407.9	201.9	137.2	119.4	101.0	95.0					
6	75.0	85.0	137.2	290.2	421.5	626.1	421.5	197.2	137.2	114.8	101.0	95.0					
7	76.0	81.9	137.2	290.2	425.2	617.8	429.3	192.5	137.2	114.8	101.0	95.0					
8	72.1	81.9	141.1	295.9	470.7	609.5	435.3	192.5	137.2	114.8	97.7	98.1					
9	76.0	85.0	137.2	295.9	492.6	609.5	429.3	197.9	137.2	114.8	97.7	98.1					
10	72.1	85.0	141.1	301.7	515.0	601.4	414.7	193.4	137.2	114.8	97.7	95.0					
11	72.1	85.0	141.1	313.4	537.9	593.2	401.2	179.9	137.2	114.8	97.7	95.0					
12	72.1	88.1	141.1	313.4	577.1	593.2	394.6	174.5	137.2	114.8	97.7	98.1					
13	72.1	88.1	141.1	313.4	593.2	585.2	389.0	174.5	141.1	111.3	97.7	98.1					
14	72.1	88.1	145.1	319.2	609.5	577.1	381.5	174.5	141.1	111.3	97.7	98.1					
15	72.1	91.2	149.1	319.2	626.1	577.1	369.6	170.1	141.1	111.3	94.4	98.1					
16	72.1	91.2	153.2	319.2	642.9	585.2	362.2	165.0	137.2	111.3	94.4	98.1					
17	72.1	94.4	153.2	331.3	659.0	593.2	355.9	165.0	137.2	111.3	94.4	98.1					
18	76.0	94.4	149.1	349.7	660.4	601.4	349.7	161.6	137.2	111.3	94.4	95.0					
19	76.0	97.7	149.1	355.9	677.0	609.5	337.4	161.6	132.3	111.3	94.4	95.0					
20	79.9	97.7	153.2	375.0	695.7	617.8	325.2	157.4	133.3	111.3	94.4	95.0					
21	76.0	101.0	157.4	399.0	694.5	617.8	319.3	157.4	129.5	111.3	94.4	91.9					
22	76.0	101.0	157.4	394.6	712.1	617.8	307.5	157.4	129.5	111.3	91.2	79.9					
23	81.9	101.0	153.2	399.0	703.3	601.4	295.9	153.2	125.7	107.0	91.2	79.9					
24	81.9	101.0	161.6	391.5	694.5	593.2	284.6	153.2	125.7	107.0	91.2	79.9					
25	81.9	101.0	163.4	391.5	694.5	577.1	273.5	149.1	125.7	107.0	91.2	79.9					
26	81.9	104.4	206.6	369.6	694.5	553.4	262.6	149.1	125.7	107.0	91.2	76.0					
27	81.9	107.0	221.2	362.2	703.3	522.5	251.9	149.1	122.0	107.0	91.2	76.0					
28	95.0	111.3	231.2	362.2	712.1	500.0	246.7	145.1	122.0	104.4	91.2	76.0					
29	95.0	114.8	241.5	349.7		470.7	236.3	145.1	122.0	104.4	91.2	76.0					
30	81.9	110.4	257.2	355.9		442.2	231.2	145.1	122.0	104.4	98.1	76.0					
31	81.9		269.0	369.6		429.3		145.1		104.4	98.1						
MEAN	77.5	93.7	163.1	333.4	570.2	590.0	350.5	172.4	123.7	111.8	95.6	92.9	229.9				
M	85.0	110.4	269.0	394.6	712.1	703.3	435.3	221.2	141.1	110.4	104.4	98.1	712.1				
MIN.	72.1	81.9	122.0	272.0	369.6	429.3	231.2	145.1	122.0	104.4	98.1	76.0	72.1				

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [Flow Regime (m<sup>3</sup>/s)]:  
 Q(5day): 219.3      Q(195day): 137.2      Q(275day): 94.4      Q(355day): 76.0

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

*HM*	ST. : 1-950	WATOPA PONTOON												YEAR : 1965/66	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.06	1.92	2.19	2.47	2.33	4.54	5.06	3.44	2.65	2.35	2.16	2.10			
2	1.06	1.92	2.23	2.50	2.23	4.72	4.97	3.41	2.62	2.35	2.16	2.07			
3	1.06	1.93	2.23	2.50	2.20	4.97	4.79	3.20	2.62	2.35	2.16	2.07			
4	1.06	1.77	2.26	2.53	2.17	5.00	4.62	3.35	2.59	2.35	2.16	2.07			
5	1.06	1.77	2.29	2.56	2.23	5.12	4.40	3.22	2.59	2.35	2.16	2.04			
6	1.06	1.77	2.32	2.62	2.23	5.33	4.36	3.26	2.56	2.32	2.16	2.04			
7	1.06	1.77	2.35	2.74	2.23	5.46	4.24	3.20	2.56	2.32	2.16	2.04			
8	1.06	1.77	2.35	2.74	2.29	5.62	4.21	3.14	2.53	2.32	2.16	2.04			
9	1.06	1.90	2.30	2.71	2.30	5.04	4.27	3.14	2.53	2.32	2.16	2.01			
10			2.41	2.74	2.44	5.19	4.36	3.11	2.53	2.32	2.16	2.01			
11	1.99	1.93	2.41	2.77	3.47	6.37	4.36	3.05	2.50	2.29	2.13	2.01			
12	1.92	1.93	2.44	2.77	3.51	6.52	4.33	3.02	2.50	2.29	2.13	1.99			
13	1.92	1.93	2.47	2.93	3.60	6.61	4.27	2.99	2.47	2.29	2.13	1.99			
14	1.92	1.95	2.53	2.90	3.66	6.71	4.24	2.96	2.47	2.29	2.13	1.99			
15	1.92	1.92	2.52	2.93	3.75	6.71	4.19	2.93	2.47	2.29	2.13	1.99			
16	1.92	1.95	2.56	2.99	3.84	6.64	4.11	2.90	2.47	2.26	2.10	1.95			
17	1.92	1.95	2.56	3.02	4.05	6.64	4.11	2.90	2.44	2.26	2.10	1.95			
18	1.92	1.99	2.59	3.08	4.09	6.55	4.08	2.87	2.44	2.26	2.10	1.95			
19	1.99	1.99	2.59	3.14	4.15	6.40	4.00	2.87	2.44	2.26	2.10	1.95			
20	1.99	2.01	2.65	3.20	4.24	6.29	4.05	2.83	2.44	2.26	2.10	1.95			
21	1.96	2.07	2.74	3.29	4.30	6.16	3.99	2.83	2.44	2.26	2.10	1.95			
22	1.96	2.10	2.77	3.32	4.30	6.00	3.96	2.80	2.44	2.26	2.10	1.95			
23	1.96	2.10	2.71	3.35	4.30	5.89	3.93	2.77	2.41	2.26	2.10	1.95			
24	1.93	2.16	2.65	3.35	4.29	5.79	3.87	2.74	2.41	2.23	2.10	1.95			
25	1.93	2.16	2.62	3.32	4.45	5.73	3.84	2.74	2.39	2.23	2.10	1.92			
26	1.93	2.19	2.58	3.26	4.48	5.73	3.81	2.74	2.39	2.23	2.10	1.92			
27	1.90	2.19	2.53	3.23	4.51	5.64	3.75	2.71	2.39	2.23	2.10	1.92			
28	1.90	2.19	2.50	3.17	4.51	5.50	3.66	2.69	2.39	2.23	2.10	1.92			
29	1.90	2.19	2.47	3.14	5.49	5.49	3.63	2.69	2.39	2.19	2.10	1.92			
30	1.90	2.19	2.47	3.14	5.36	5.36	3.54	2.65	2.39	2.19	2.10	1.92			
31	1.93		2.47	3.17		3.91		2.65		2.19	2.10				
MEAN	1.97	1.95	2.49	2.95	3.79	5.80	4.17	2.97	2.49	2.27	2.13	1.99	2.99		
N	1.92	2.19	2.77	3.35	4.51	6.71	5.06	3.44	2.65	2.35	2.16	2.10	5.71		
MIN.	1.90	1.77	2.19	2.47	2.17	3.81	3.54	2.65	2.39	2.19	2.10	1.92	1.97		

*QM*	ST. : 1-950	WATOPA PONTOON												YEAR : 1965/66	[DISCHARGE (m <sup>3</sup> /sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	76.0	73.1	111.3	145.1	262.6	545.6	685.7	391.7	179.1	129.5	107.9	101.0			
2	76.0	73.1	114.8	149.1	262.6	593.2	659.8	295.9	155.8	129.5	107.9	97.7			
3	76.0	73.1	114.0	149.1	257.2	659.8	609.5	290.2	165.0	129.5	107.9	97.7			
4	76.0	67.6	118.4	153.2	251.9	660.4	569.2	204.6	161.6	129.5	107.9	97.7			
5	76.0	67.6	122.0	157.4	262.6	703.3	530.2	279.0	161.6	129.5	107.9	94.4			
6	76.0	67.6	125.7	165.8	262.6	766.4	500.0	269.0	157.4	125.7	107.9	94.4			
7	76.0	67.6	122.5	163.4	262.6	803.7	470.7	257.2	157.4	125.7	107.9	94.4			
8			5	193.4	273.5	920.0	463.5	246.7	153.2	125.7	107.9	94.4			
9	76.0	70.3	133.3	179.9	290.2	992.9	477.9	246.7	153.2	125.7	107.9	91.2			
10	78.9	70.3	137.2	193.4	301.7	1045.0	500.0	241.5	153.2	125.7	107.9	91.2			
11	78.9	73.1	137.2	197.9	307.5	1111.5	500.0	231.2	149.1	122.0	104.4	91.2			
12	91.9	73.1	141.1	197.9	313.4	1167.7	492.6	226.2	149.1	122.0	104.4	90.1			
13	91.9	73.1	145.1	197.2	321.3	1202.1	477.9	221.2	145.1	122.0	104.4	90.1			
14	91.9	76.0	153.2	205.6	343.5	1236.9	470.7	216.3	145.1	122.0	104.4	90.1			
15	91.9	91.9	161.6	211.4	352.2	1236.9	456.3	211.4	145.1	122.0	104.4	90.1			
16	91.9	95.0	157.4	221.2	381.5	1213.6	442.2	206.6	145.1	119.4	101.0	95.0			
17	91.9	95.0	157.4	226.2	429.3	1213.6	442.2	206.6	141.1	119.4	101.0	95.0			
18	91.9	99.1	161.6	235.3	435.3	1179.1	435.3	201.9	141.1	119.4	101.0	95.0			
19	78.9	99.1	161.6	246.7	449.2	1122.7	435.3	201.9	141.1	119.4	101.0	95.0			
20	78.9	91.2	170.1	257.2	470.7	1070.5	420.3	197.2	141.1	119.4	101.0	95.0			
21	76.0	97.7	183.4	273.5	495.2	1035.3	414.7	187.2	141.1	119.4	101.0	95.0			
22	76.0	101.0	187.9	279.0	485.2	982.4	407.9	192.5	141.1	119.4	101.0	95.0			
23	76.0	101.0	179.9	284.6	495.2	941.1	401.2	187.9	137.2	119.4	101.0	95.0			
24	73.1	107.9	170.1	284.6	507.4	910.0	389.0	183.4	137.2	114.0	101.0	95.0			
25	73.1	107.9	165.8	279.0	522.5	990.0	391.5	183.4	133.3	114.0	101.0	91.9			
26	73.1	111.3	161.6	268.0	530.2	990.0	375.0	183.4	133.3	114.0	101.0	91.9			
27	70.3	111.3	153.2	262.6	537.9	861.3	362.2	178.9	133.3	114.0	101.0	91.9			
28	70.3	111.3	149.1	251.9	537.9	841.9	343.5	174.5	133.3	114.0	101.0	91.9			
29	70.3	111.3	145.1	246.7		813.1	337.4	174.5	133.3	111.3	101.0	91.9			
30	70.3	111.3	145.1	246.7		775.6	319.3	170.1	133.3	111.3	101.0	91.9			
31	73.1		145.1	251.9		375.0		170.1		111.3	101.0				
MEAN	76.6	86.1	147.4	217.9	378.6	928.4	459.3	220.3	146.6	129.7	103.7	90.5	247.3		
N	81.9	111.3	197.9	294.6	537.9	1236.9	685.7	391.7	179.1	129.5	107.9	101.0	1236.9		
MIN.	70.3	67.6	111.3	145.1	251.9	375.0	319.3	170.1	133.3	111.3	101.0	91.9	67.6		

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

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

Q(5day): 262.6      Q(105day): 145.1      Q(275day): 101.0      Q(365day): 70.3

MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1966/67	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.90	1.80	1.97	2.23	2.99	3.57	4.95	3.61	2.66	2.36	2.25	2.07		
2	1.07	1.00	1.96	2.21	2.82	3.69	5.04	3.50	2.64	2.35	2.26	2.06		
3	1.07	1.00	1.92	2.21	2.96	3.71	5.13	3.50	2.62	2.35	2.26	2.06		
4	1.06	1.00	1.91	2.21	2.97	3.82	5.19	3.50	2.61	2.33	2.24	2.05		
5	1.06	1.00	1.91	2.21	2.97	3.96	5.27	3.53	2.59	2.33	2.24	2.05		
6	1.06	1.70	1.91	2.21	2.93	3.95	5.21	3.50	2.50	2.30	2.23	2.04		
7	1.06	1.70	1.92	2.21	2.99	3.97	5.35	3.49	2.55	2.33	2.22	2.03		
8	1.05	1.00	1.91	2.19	3.06	4.01	5.40	3.40	2.56	2.33	2.21	2.03		
9	1.04	1.00	1.91	2.19	3.23	4.01	5.44	3.48	2.54	2.33	2.21	2.03		
10	1.04	1.01	1.92	2.16	3.38	4.01	5.44	3.40	2.53	2.33	2.21	2.03		
11	1.03	1.03	1.94	2.16	3.47	4.01	5.42	3.34	2.51	2.33	2.21	2.02		
12	1.01	1.06	1.94	2.16	3.54	4.04	5.35	3.30	2.50	2.33	2.21	2.01		
13	1.01	1.06	1.97	2.15	3.54	4.09	5.33	3.27	2.50	2.33	2.21	2.00		
14	1.01	1.91	2.01	2.15	3.49	4.12	5.25	3.24	2.50	2.32	2.19	1.99		
15	1.00	1.94	2.05	2.15	3.46	4.15	5.15	3.20	2.48	2.32	2.19	1.97		
16	1.00	1.94	2.07	2.15	3.40	4.11	5.07	3.16	2.47	2.32	2.17	1.98		
17	1.00	1.93	2.10	2.15	3.51	4.11	4.93	3.11	2.45	2.30	2.15	1.95		
18	1.01	1.94	2.12	2.16	3.52	4.13	4.75	3.06	2.45	2.30	2.16	1.94		
19	1.01	1.95	2.15	2.19	3.51	4.13	4.61	3.03	2.45	2.30	2.15	1.93		
20			2.16	2.29	3.49	4.15	4.41	2.98	2.44	2.30	2.15	1.92		
21	1.03	1.99	2.20	2.29	3.49	4.16	4.22	2.95	2.43	2.30	2.14	1.91		
22	2.12	1.99	2.21	2.30	3.45	4.18	4.07	2.90	2.42	2.29	2.12	1.91		
23	1.03	1.95	2.22	2.35	3.42	4.20	3.93	2.87	2.42	2.29	2.12	1.91		
24	1.03	1.94	2.25	2.42	3.39	4.25	3.85	2.84	2.41	2.29	2.11	1.91		
25	1.02	1.94	2.26	2.49	3.43	4.31	3.80	2.81	2.39	2.29	2.10	1.91		
26	1.01	1.94	2.26	2.50	3.51	4.40	3.73	2.78	2.39	2.29	2.10	1.90		
27	1.01	1.99	2.24	2.56	3.54	4.50	3.75	2.75	2.39	2.27	2.09	1.90		
28	1.00	1.99	2.24	2.55	3.62	4.55	3.70	2.72	2.36	2.27	2.09	1.90		
29	1.00	1.97	2.24	2.62		4.59	3.67	2.71	2.36	2.26	2.09	1.90		
30	1.00	1.97	2.24	2.71		4.72	3.65	2.69	2.35	2.25	2.09	1.90		
31	1.00		2.24	2.80		4.96		2.67		2.28	2.07			
MEAN	1.04	1.09	2.07	2.31	3.31	4.15	4.71	3.15	2.49	2.31	2.17	1.97	2.59	
M	2.12	1.99	2.26	2.80	3.62	4.96	5.44	3.61	2.66	2.36	2.25	2.07	5.44	
MIN.	1.00	1.70	1.91	2.15	2.90	3.67	3.65	2.67	2.36	2.26	2.07	1.97	1.70	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1966/67	[DISCHARGE (m <sup>3</sup> /sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	79.0	70.3	86.5	114.0	192.5	346.6	655.6	334.3	171.4	131.4	110.4	97.7		
2	77.5	70.3	85.9	113.0	194.0	349.7	678.0	327.0	160.0	129.5	110.4	96.0		
3	77.5	70.3	81.9	113.0	200.9	354.7	708.0	329.2	185.0	129.5	110.4	96.0		
4	78.0	70.3	80.4	113.0	201.9	377.0	722.0	327.0	163.7	127.6	116.6	96.0		
5	78.0	70.3	80.4	113.0	201.9	406.6	748.1	318.1	161.5	127.6	116.6	95.4		
6	78.0	68.9	80.4	113.0	211.4	404.6	759.0	312.2	159.5	127.6	115.9	93.8		
7	78.0	68.9	81.9	113.0	220.2	409.6	772.0	310.4	157.4	127.6	114.1	92.0		
8	78.0	70.3	80.4	111.3	233.0	410.1	785.0	309.2	157.4	127.6	113.0	92.0		
9	74.6	70.3	80.4	111.3	252.6	410.1	799.0	304.6	154.5	127.6	113.0	92.0		
10	74.0	71.2	81.9	107.0	285.3	418.1	799.0	293.1	152.2	127.6	113.0	92.0		
11	73.1	73.1	83.4	107.0	305.3	418.1	792.4	281.0	151.2	126.9	113.0	92.2		
12	71.7	76.0	84.3	107.0	319.3	425.3	775.6	275.1	149.1	127.6	113.0	90.6		
13	71.7	76.0	86.5	106.1	319.3	436.6	756.4	269.6	149.1	127.6	113.0	90.6		
14	71.2	80.4	80.6	106.1	311.0	444.3	742.6	264.2	149.1	125.7	110.6	89.0		
15	70.3	83.4	95.4	106.1	304.6	449.2	712.1	257.2	147.1	125.7	109.5	86.5		
16	70.3	83.4	97.7	106.1	309.7	442.2	689.2	250.9	145.1	125.7	109.0	87.4		
17	70.3	82.0	100.3	107.0	313.4	442.2	647.9	241.5	143.1	123.9	107.0	85.0		
18	71.2	83.4	102.7	107.0	315.3	445.7	603.0	233.0	143.1	123.9	107.0	83.4		
19	71.7	85.0	106.1	111.3	313.4	445.7	564.4	227.7	143.1	123.9	106.1	82.0		
20	73.1	85.0	107.0	122.0	310.4	450.7	511.9	220.2	141.1	123.9	106.1	81.9		
21	73.1	89.0	112.3	122.0	309.2	452.0	467.0	215.2	140.3	123.1	105.4	81.3		
22	102.7	88.7	113.0	123.9	304.6	456.3	431.0	208.1	139.1	122.0	104.4	80.4		
23	73.1	85.0	114.1	131.4	297.7	461.3	401.2	203.3	139.4	122.0	102.7	80.4		
24	73.1	83.4	117.7	139.1	281.9	474.3	385.1	198.6	137.2	121.3	102.0	80.4		
25	72.6	83.4	110.4	140.3	290.0	480.9	373.7	192.9	135.2	122.0	101.0	80.4		
26	71.7	84.3	110.4	159.5	313.9	500.9	360.6	199.3	134.5	122.0	101.0	79.0		
27	71.2	89.0	116.6	157.4	319.3	534.0	362.2	194.0	132.3			79.0		
28	70.3	88.1	116.6	156.5	326.1	547.9	352.0	188.3	131.4	120.2	99.3	78.3		
29	70.3	86.5	116.6	165.0		557.3	345.3	179.9	131.4	119.5	99.3	77.5		
30	70.3	86.5	116.6	170.9		590.0	342.3	175.0	131.4	118.4	99.3	77.5		
31	70.3		116.6	192.5		630.3		172.3		118.4	97.7			
MEAN	74.1	79.1	90.4	125.4	270.6	451.0	602.2	251.2	147.5	124.0	109.5	97.0	291.5	
M	102.7	89.0	118.4	192.5	336.1	630.3	799.0	304.3	171.4	131.4	110.4	97.7	799.0	
MIN.	70.3	68.9	80.4	106.1	192.5	346.6	342.3	172.3	131.4	110.4	97.7	77.5	68.9	

[Discharge Rating Curve]: Q=29.791\*(H-0.262)<sup>2.2</sup>

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

Q(5day): 262.6      Q(105day): 122.0      Q(275day): 89.6      Q(355day): 70.3



\*\*\* MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge \*\*\*

*HM*	ST.: 1-950 WATORA PONTOON													YEAR: 1987/89	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1.06	1.00	2.30	2.30	3.94	4.60	6.14	3.42	2.62	2.42	2.35	2.15			
2	1.06	1.02	2.30	3.50	3.92	4.60	6.02	3.39	2.61	2.43	2.35	2.12			
3	1.04	2.03	2.42	3.65	3.91	4.70	5.07	3.36	2.61	2.44	2.35	2.13			
4	1.04	2.09	2.44	3.72	3.96	4.75	5.60	3.33	2.50	2.42	2.33	2.13			
5	1.04	2.16	2.45	3.73	3.92	4.81	5.43	3.29	2.50	2.42	2.33	2.13			
6	1.04	2.21	2.47	3.75	3.76	4.07	5.24	3.24	2.50	2.42	2.32	2.12			
7	1.04	2.24	2.54	3.70	3.73	4.00	4.90	3.21	2.56	2.42	2.32	2.12			
8	1.04	2.24	2.64	3.65	3.79	4.91	4.80	3.16	2.55	2.42	2.30	2.12			
9	1.04	2.24	2.67	3.61	3.96	4.94	4.61	3.12	2.55	2.42	2.30	2.11			
10	1.04	2.24	2.68	3.62	3.90	5.01	4.42	3.09	2.53	2.41	2.30	2.10			
11	1.04	2.26	2.73	3.67	3.92	5.11	4.27	3.06	2.53	2.41	2.27	2.10			
12	1.01	2.24	2.79	3.72	3.99	4.95	4.11	3.03	2.51	2.41	2.27	2.11			
13	1.01	2.24	2.85	3.75	4.05	5.34	3.92	2.99	2.51	2.41	2.29	2.12			
14	1.01	2.23	2.87	3.70	4.10	5.44	3.92	2.95	2.50	2.39	2.27	2.12			
15	1.01	2.23	2.87	3.93	4.33	5.65	3.91	2.92	2.40	2.39	2.26	2.12			
16	1.01	2.23	2.87	3.07	4.47	6.01	3.76	2.90	2.40	2.39	2.25	2.12			
17	1.01	1.95	2.05	3.00	4.69	6.15	3.74	2.87	2.45	2.30	2.24	2.12			
18	1.01	2.24	2.05	3.90	4.79	6.22	3.60	2.84	2.45	2.30	2.23	2.07			
19	1.01	2.21	2.07	3.92	4.84	6.23	3.64	2.81	2.45	2.30	2.23	2.07			
20	1.01	2.21	2.07	3.95	4.89	6.24	3.61	2.79	2.45	2.30	2.23	2.04			
21	1.70	2.20	2.90	3.98	5.00	6.25	3.50	2.77	2.45	2.37	2.23	2.03			
22	1.70	2.20	2.94	3.99	5.11	6.29	3.50	2.75	2.44	2.30	2.21	2.03			
23	1.70	2.20	2.95	4.02	5.06	5.36	3.57	2.74	2.44	2.37	2.20	2.01			
24	1.77	2.19	2.97	4.02	4.97	6.42	3.57	2.73	2.44	2.36	2.19	2.01			
25	1.77	2.22	3.00	4.02	4.99	6.43	3.57	2.71	2.44	2.36	2.19	2.00			
26	1.75	2.25	3.00	4.06	4.94	6.42	3.54	2.70	2.44	2.35	2.19	1.99			
27	1.75	2.29	3.00	4.11	4.79	6.30	3.52	2.69	2.44	2.36	2.19	1.99			
28	1.77	2.30	2.99	4.09	4.73	6.33	3.51	2.67	2.44	2.35	2.18	1.99			
29	1.00	2.31	3.00	4.04	4.70	6.31	3.47	2.65	2.42	2.35	2.18	1.97			
30	1.01	2.36	3.11	3.99		6.20	3.44	2.64	2.42	2.35	2.16	1.97			
31	1.04		3.17	3.97		6.20		2.63		2.35	2.15				
MEAN	1.01	2.19	2.79	3.03	4.37	5.55	4.23	2.95	2.50	2.39	2.25	2.07	3.00		
MAX	1.06	2.26	3.17	4.11	5.11	6.43	6.14	3.42	2.62	2.44	2.35	2.15	5.43		
MIN	1.75	1.00	2.30	3.30	3.73	4.60	3.44	2.63	2.42	2.35	2.15	1.97	1.75		

*QM*	ST.: 1-950 WATORA PONTOON													YEAR: 1987/89	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	78.0	70.3	133.3	275.7	403.2	591.1	1027.0	297.7	165.0	129.1	129.5	106.1			
2	76.0	81.9	133.3	312.2	397.9	591.1	990.0	291.9	163.7	140.3	129.5	104.4			
3	74.6	92.0	139.1	342.3	396.6	597.6	937.1	286.3	163.7	141.1	129.5	104.4			
4	74.6	99.3	141.1	357.2	384.7	592.7	874.0	280.7	158.5	139.1	127.6	104.4			
5	74.6	107.1	143.1	350.5	377.0	615.3	796.1	272.4	159.5	139.1	127.6	103.7			
6	74.6	113.0	145.9	362.2	365.4	632.8	737.2	264.2	159.5	139.1	125.7	102.7			
7	74.6	116.6	154.0	352.0	359.1	636.1	663.3	250.0	157.4	139.1	125.7	102.7			
8	74.6	116.6	169.4	341.6	371.0	642.0	612.0	250.9	155.3	139.1	123.1	102.7			
9	74.6	116.6	172.3	334.3	386.7	653.0	564.4	244.1	155.3	139.1	123.9	102.0			
10	74.6	116.6	173.6	336.1	394.6	671.0	515.7	237.9	153.2	137.2	123.1	101.0			
11	74.0	119.4	192.1	346.6	397.9	701.5	479.4	232.0	153.2	137.2	120.2	101.0			
12	71.7	116.6	190.2	355.9	414.7	655.6	442.2	227.7	151.2	137.2	120.2	102.0			
13	71.7	116.6	199.5	362.2	420.3	760.2	412.0	221.2	151.2	137.2	121.3	102.7			
14	71.7	115.9	201.9	360.6	450.5	790.0	390.8	215.3	149.1	135.2	120.2	102.7			
15	71.7	114.0	201.9	390.2	409.6	865.2	375.0	210.5	147.1	135.2	110.4	102.7			
16	71.7	115.9	201.9	390.0	527.9	904.5	365.4	205.6	145.3	134.5	117.7	102.7			
17	71.7	85.0	199.5	390.0	593.5	1033.1	361.0	201.9	143.1	133.3	116.6	102.7			
18	71.7	116.6	199.5	394.6	611.2	1056.0	340.4	199.6	143.1	133.3	115.9	97.7			
19	71.7	113.0	201.9	401.2	623.6	1062.2	339.2	193.9	143.1	133.3	114.0	97.7			
20	71.7	113.0	203.3	407.9	630.6	1064.4	334.3	190.2	143.1	133.3	114.0	94.4			
21	69.9	112.3	209.1	407.9	660.4	1067.6	328.2	187.9	143.1	132.6	114.0	92.0			
22	68.9	112.3	213.9	414.7	701.5	1094.0	320.2	184.0	141.1	133.3	113.0	92.0			
23	69.4	112.3	215.3	421.5	695.7	1109.3	325.2	182.5	141.1	132.6	112.3	91.2			
24			3.0	420.1	659.0	1120.3	325.2	181.2	141.1	131.4	111.3	91.2			
25	67.6	114.1	222.7	420.1	630.6	1131.6	325.2	178.9	141.1	131.4	111.3	89.6			
26	66.2	117.7	223.7	429.7	623.6	1120.3	321.1	175.7	141.1	131.4	111.3	89.1			
27	66.2	122.0	223.7	442.2	611.2	1114.9	316.3	175.0	141.1	131.4	109.5	89.1			
28	67.6	123.9	219.7	435.3	594.9	1090.3	315.1	172.3	141.1	129.5	107.0	89.1			
29	70.3	125.0	222.7	424.9	586.0	1079.5	306.3	170.1	139.1	129.5	107.0	86.5			
30	71.2	130.6	242.0	414.0		1090.5	300.5	168.0	139.1	129.5	107.0	86.5			
31	74.0		251.9	409.3		1051.4		167.1		129.5	106.1				
MEAN	71.0	111.5	191.9	390.9	509.7	679.7	491.9	217.1	149.1	135.0	110.0	97.0	279.0		
MAX	76.0	130.6	251.9	442.2	701.5	1131.6	1027.0	297.7	165.0	141.1	129.5	106.1	1131.6		
MIN	66.2	70.3	133.3	275.7	359.1	591.1	300.5	167.1	139.1	129.5	106.1	86.5	66.2		

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[Flow Regime (m3/s)]:

Q(5day): 362.2

Q(105day): 155.3

Q(275day): 115.9

Q(355day): 71.7

MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1969/69	[WATER LEVEL (m)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.97	1.93	2.65	3.76	5.55	7.70	9.51	5.36	3.57	3.03	2.75	2.51		
2	1.95	1.81	2.71	3.79	5.65	7.70	9.56	5.10	3.55	3.03	2.76	2.51		
3	1.94	1.84	2.72	3.79	5.60	7.67	9.53	5.10	3.50	3.02	2.76	2.50		
4	1.94	1.84	2.71	3.84	5.73	7.60	9.57	4.98	3.47	3.00	2.76	2.50		
5	1.94	1.81	2.74	3.70	5.91	7.57	9.49	4.80	3.45	2.99	2.76	2.40		
6	1.92	1.81	2.86	4.10	6.01	7.55	9.42	4.81	3.43	2.99	2.73	2.47		
7	1.91	1.84	2.90	4.31	6.13	7.52	9.30	4.73	3.40	2.97	2.73	2.46		
8	1.91	1.81	3.06	4.46	6.22	7.51	9.11	4.68	3.38	2.97	2.72	2.45		
9	1.91	1.84	3.15	4.57	6.29	7.50	9.04	4.52	3.36	2.95	2.71	2.44		
10		1.85	3.10	4.65	6.33	7.54	8.92	4.57	3.34	2.96	2.71	2.44		
11	1.91	1.87	3.22	4.72	6.39	7.57	8.87	4.52	3.32	2.94	2.70	2.43		
12	1.91	1.92	3.25	4.77	6.51	7.59	8.81	4.48	3.30	2.94	2.69	2.41		
13	1.91	1.97	3.26	4.82	6.73	7.60	8.72	4.41	3.28	2.93	2.67	2.41		
14	1.91	2.01	3.24	4.90	6.76	7.57	8.61	4.37	3.25	2.93	2.67	2.41		
15	1.89	2.04	3.24	4.99	6.79	7.54	8.53	4.31	3.25	2.91	2.65	2.41		
16	1.89	2.08	3.29	4.99	6.84	7.51	8.41	4.25	3.23	2.90	2.64	2.41		
17	1.87	2.09	3.31	4.93	6.91	7.48	8.32	4.19	3.22	2.90	2.64	2.41		
18	1.87	2.10	3.33	4.91	6.96	7.48	8.23	4.13	3.19	2.90	2.63	2.39		
19	1.87	2.17	3.37	4.88	7.05	7.50	8.11	4.08	3.19	2.90	2.62	2.36		
20	1.87	2.24	3.45	4.79	7.13	7.52	7.99	4.02	3.15	2.87	2.61	2.36		
21	1.87	2.29	3.49	4.75	7.19	7.59	7.87	3.95	3.15	2.86	2.59	2.36		
22	1.86	2.27	3.51	4.75	7.27	7.71	7.51	3.92	3.13	2.85	2.59	2.36		
23	1.86	2.27	3.51	4.72	7.26	7.80	7.34	3.87	3.13	2.84	2.57	2.35		
24	1.86	2.33	3.55	4.71	7.45	7.99	7.12	3.83	3.11	2.83	2.57	2.35		
25	1.84	2.35	3.57	4.73	7.53	8.11	6.90	3.79	3.09	2.82	2.55	2.34		
26	1.84	2.42	3.59	4.78	7.59	8.28	6.66	3.75	3.09	2.81	2.56	2.33		
27	1.83	2.42	3.60	4.85	7.64	8.44	6.29	3.71	3.06	2.80	2.55	2.33		
28	1.84	2.43	3.62	4.95	7.70	8.72	6.09	3.68	3.05	2.82	2.55	2.30		
29	1.83	2.50	3.55	5.12		8.96	5.74	3.64	3.06	2.81	2.54	2.30		
30	1.83	2.59	3.72	5.39		9.22	5.55	3.61	3.05	2.79	2.53	2.30		
31	1.83		3.73	5.42		9.39		3.58		2.77	2.52			
MEAN	1.89	2.02	3.26	4.63	6.62	7.85	8.16	4.29	3.27	2.90	2.65	2.40	4.15	
MAX	1.97	2.59	3.73	5.42	7.70	9.39	9.57	5.36	3.57	3.03	2.76	2.51	9.57	
MIN	1.83	1.81	2.65	3.76	5.55	7.48	5.55	3.50	3.05	2.77	2.53	2.30	1.81	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1969/69	[DISCHARGE (m3/sec)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	86.5	73.1	170.1	363.5	834.1	1646.5	2547.0	775.6	325.2	229.7	184.2	151.2		
2	85.0	71.7	178.9	371.0	864.2	1646.5	2573.0	721.0	321.7	227.7	185.7	150.3		
3	83.4	74.0	180.3	370.5	876.0	1633.0	2556.2	697.1	312.0	226.2	185.7	149.1		
4	83.4	74.0	178.9	381.5	908.0	1603.5	2581.5	662.4	307.5	223.7	185.7	149.1		
5	83.4	71.7	183.0	368.6	949.3	1590.3	2539.4	636.1	303.4	221.2	185.7	147.1		
6	81.9	71.7	200.9	456.3	984.5	1581.0	2497.6	616.1	298.0	221.2	181.2	145.9		
7	80.4	74.0	207.6	488.9	1024.6	1570.4	2431.6	594.9	293.6	219.0	181.2	144.3		
8	80.4	71.7	233.8	524.0	1058.9	1566.5	2334.1	581.1	290.2	218.0	179.8	143.1		
9	80.4	74.0	249.0	553.4	1092.9	1559.9	2294.1	565.2	286.3	217.3	179.8	141.9		
10	80.4	75.4	253.0	573.1	1097.2	1577.0	2230.8	553.4	281.9	216.3	179.8	141.1		
11	80.4	77.5	259.9	598.0	1120.4	1590.3	2207.3	539.4	277.9	213.4	176.7	139.1		
12	80.4	81.9	265.0	605.4	1164.3	1595.6	2176.1	530.2	275.1	213.9	175.8	138.0		
13	80.4	85.5	267.5	620.3	1246.3	1603.5	2129.0	513.4	271.3	211.4	172.7	137.2		
14	80.4	91.2	264.2	641.2	1256.9	1590.3	2078.4	502.2	268.0	211.4	172.3	138.0		
15	78.9	94.4	264.7	638.6	1269.9	1578.3	2038.7	488.9	265.3	209.0	170.1	137.2		
16	78.9	98.7	272.4	634.4	1299.1	1565.1	1979.0	474.3	262.6	208.1	168.0	137.2		
17	77.5	100.0	277.3	621.9	1317.8	1550.7	1934.9	459.9	259.9	206.6	168.0	137.2		
18	77.5	101.0	281.2	615.3	1338.4	1553.3	1891.2	445.7	256.2	203.9	166.7	131.4		
19	77.5	109.5	287.4	613.7	1372.7	1559.9	1833.8	430.4	254.6	204.2	165.8	131.4		
20	77.5	116.6	302.3	607.1	1406.2	1570.4	1777.2	421.5	249.3	201.9	163.7	131.4		
21	77.5	122.0	309.2	598.9	1431.2	1599.6	1633.0	407.9	248.2	200.9	162.0	131.4		
22	76.0	120.2	313.4	598.9	1462.9	1653.2	1567.0	398.6	245.6	199.5	161.6	131.4		
23	76.0	120.2	315.1	593.2	1452.1	1694.1	1492.3	388.0	245.6	199.1	159.0	129.5		
24	76.0	126.9	321.7	588.4	1538.9	1777.2	1401.2	378.9	241.5	197.2	158.6	129.5		
25	74.6	129.5	325.2	594.0	1573.1	1833.0	1303.3	370.5	238.9	194.0	157.4	128.7		
26	74.6	139.4	327.6	607.1	1599.6	1920.3	1219.4	362.9	238.0	193.9	157.4	127.6		
27	73.1	139.1	332.5	626.1	1623.6	1990.9	1081.8	354.7	233.8	192.5	156.5	125.7		
28	71.6	139.9	335.5	655.6	1646.5	2129.0	1011.8	348.4	233.0	194.4	155.3	123.9		
29	73.1	149.1	321.7	704.1		2254.4	893.8	339.2	233.0	193.5	154.0	123.5		
30	73.1	159.5	357.2	757.2		2398.7	832.2	333.1	231.2	189.3	153.2	123.9		
31	73.1		357.0	792.4		2481.0		328.2		187.8	152.2			
MEAN	79.6	101.1	270.0	572.0	1242.0	1724.5	1902.1	490.9	278.2	207.9	170.1	136.5	592.0	
MAX	86.5	159.5	357.0	792.4	1646.5	2481.0	2581.5	775.6	325.2	229.7	185.7	151.2	2581.5	
MIN	73.1	71.7	170.1	363.5	834.1	1550.7	832.2	328.2	231.2	187.9	153.2	123.5	71.7	

[Discharge Rating Curve]: Q=29.791\*(H-0.262)<sup>2.2</sup>  
 [Flow Regime (m3/s)]:  
 Q(1day): 697.1    Q(105day): 265.3    Q(275day): 152.2    Q(355day): 74.0

MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge

*MIM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1969/70	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.30	2.55	2.70	4.01	5.57	6.00	5.67	3.51	2.02	2.59	2.44	2.16		
2	2.30	2.50	2.79	4.50	5.61	6.77	5.42	3.40	2.02	2.59	2.44	2.16		
3	2.29	2.60	2.90	4.72	5.64	6.64	5.22	3.45	2.00	2.59	2.44	2.19		
4	2.30	2.62	2.79	4.04	5.73	6.56	5.07	3.47	2.79	2.56	2.41	2.19		
5	2.30	2.60	2.02	4.08	5.70	6.40	4.91	3.45	2.70	2.56	2.41	2.19		
6	2.32	2.59	2.00	4.01	5.06	6.30	4.09	3.39	2.77	2.56	2.35	2.16		
7	2.32	2.50	2.92	4.06	6.05	6.24	4.61	3.33	2.77	2.56	2.32	2.16		
8	2.32	2.61	2.95	4.91	6.20	6.17	4.40	3.20	2.76	2.56	2.32	2.15		
9	2.35	2.63	3.04	4.92	6.35	6.04	4.35	3.26	2.74	2.53	2.29	2.13		
10	2.30	2.65	3.07	4.97	6.53	5.95	4.21	3.21	2.74	2.53	2.29	2.13		
11	2.37	2.65	3.09	4.70	6.71	5.05	4.11	3.19	2.72	2.53	2.29	2.12		
12	2.36	2.65	3.08	4.60	6.59	5.00	4.02	3.16	2.72	2.53	2.29	2.10		
13	2.36	2.60	3.07	4.50	6.20	5.72	3.95	3.15	2.72	2.50	2.29	2.10		
14	2.36	2.70	3.09	4.40	6.02	5.72	3.06	3.11	2.71	2.52	2.26	2.07		
15	2.35	2.60	3.16	4.39	6.90	5.69	3.76	3.09	2.71	2.52	2.26	2.07		
16	2.34	2.65	3.25	4.31	6.90	5.60	3.73	3.06	2.70	2.50	2.26	2.07		
17	2.33	2.65	3.32	4.30	7.05	5.70	3.74	3.05	2.70	2.50	2.26	2.07		
18	2.33	2.60	3.44	4.36	7.14	5.72	3.72	3.02	2.60	2.50	2.26	2.04		
19	2.34	2.67	3.47	4.39	7.21	5.76	3.72	2.99	2.60	2.50	2.23	2.04		
20	2.35	2.60	3.54	4.43	7.27	5.81	3.69	2.99	2.57	2.47	2.23	2.04		
21	2.30	2.71	3.52	4.52	7.22	5.00	3.67	2.97	2.67	2.47	2.23	2.04		
22	2.40	2.70	3.05	4.66	7.22	5.96	3.67	2.96	2.66	2.47	2.23	2.04		
23	2.41	2.70	3.97	4.03	7.29	6.01	2.60	2.94	2.65	2.47	2.19	2.04		
24	2.42	2.70	4.20	5.05	7.21	6.05	3.69	2.93	2.65	2.47	2.19	2.01		
25	2.42	2.72	4.43	5.25	7.11	6.10	3.66	2.91	2.62	2.44	2.19	2.01		
26	2.39	2.73	4.50	5.33	7.03	6.10	3.63	2.90	2.62	2.44	2.19	2.01		
27	2.39	3.03	4.57	5.37	6.97	6.10	3.60	2.89	2.62	2.44	2.19	2.01		
28	2.44	2.90	4.62	5.40	6.00	6.07	3.57	2.88	2.62	2.44	2.16	2.01		
29	2.45	2.05	4.66	5.46	6.00	6.00	3.55	2.87	2.62	2.44	2.16	2.01		
30	2.47	2.78	4.62	5.49	5.92	6.04	3.54	2.85	2.59	2.44	2.16	2.01		
31	2.54		4.53	5.53	5.79			2.83						
MEAN	2.37	2.60	3.51	4.04	6.62	6.05	4.11	3.11	2.71	2.51	2.27	2.09	2.55	
N	2.54	3.03	4.66	5.53	7.22	6.00	5.67	3.51	2.02	2.59	2.44	2.19	7.33	
MIN.	2.29	2.55	2.70	4.30	5.57	5.60	3.54	2.83	2.59	2.44	2.16	2.01	2.01	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1969/70	[DISCHARGE (m <sup>3</sup> /sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	123.9	156.1	189.3	615.3	820.9	1274.7	871.0	314.5	194.6	161.6	141.1	107.0		
2	123.9	159.5	190.2	554.2	851.5	1251.6	754.3	300.7	194.0	161.6	141.1	107.0		
3	122.0	162.4	191.1	593.2	861.3	1213.6	722.7	302.0	192.5	161.6	141.1	111.3		
4	123.1	165.4	190.7	624.4	890.0	1181.4	686.3	307.5	190.2	157.4	137.2	111.3		
5	123.9	163.3	194.9	631.1	905.0	1150.7	642.0	302.0	190.4	157.4	137.2	110.2		
6	126.5	161.6	204.2	615.3	934.0	1113.0	637.0	291.4	187.9	157.4	129.5	107.0		
7	125.7	160.3	210.0	620.3	929.2	1063.2	562.0	279.6	187.0	157.4	125.7	107.0		
8	125.7	163.7	214.0	642.0	1049.2	1040.6	530.2	270.7	185.7	157.4	125.7	106.7		
9	120.3	166.7	230.2	647.1	1102.7	996.0	497.7	260.0	183.4	152.2	122.0	104.4		
10	33.3	170.1	235.3	661.5	1170.0	967.7	462.5	259.4	183.4	152.2	122.0	104.4		
11	132.6	170.1	230.6	609.7	1230.1	931.0	442.2	256.2	181.2	152.2	122.0	103.3		
12	30.6	170.1	236.3	591.1	1231.1	913.0	421.5	250.9	181.2	152.2	122.0	101.0		
13	130.6	174.5	235.3	555.0	1049.2	880.0	404.6	247.7	181.2	149.1	122.0	101.0		
14	121.4	176.7	230.9	530.2	1283.0	890.0	396.1	241.5	170.9	152.2	110.4	97.7		
15	129.5	174.1	249.0	507.4	1311.7	870.9	364.0	237.9	170.9	152.2	110.4	97.7		
16	120.4	170.1	265.3	480.9	1344.5	876.0	350.5	232.0	176.7	149.1	110.4	97.7		
17	120.0	170.1	280.7	486.7	1371.5	890.9	361.0	231.2	176.7	149.1	110.4	97.7		
18	127.6	174.1	300.5	500.7	1409.9	880.0	355.9	226.2	174.5	149.1	110.4	94.4		
19	129.1	173.2	306.9	507.4	1437.5	900.0	355.9	222.2	174.5	149.1	114.0	94.4		
20	129.5	174.5	320.5	517.2	1462.9	915.0	349.7	221.2	172.7	145.1	114.0	94.4		
21	133.3	170.9	337.4	539.4	1484.6	941.1	346.6	217.0	172.7	145.1	114.0	94.4		
22	136.4	176.7	393.4	575.5	1480.4	966.0	346.6	216.3	171.4	145.1	114.0	94.4		
23	130.0	176.7	409.9	621.9	1471.0	983.5	347.2	212.9	170.1	145.1	111.3	94.4		
24	130.4	177.1	461.3	604.0	1440.1	999.2	349.1	211.4	170.1	145.1	111.3	91.2		
25	130.4	180.3	516.5	741.7	1397.5	1014.0	344.7	209.0	166.3	141.1	111.3	91.2		
26	135.2	181.2	534.0	766.4	1362.0	1014.0	330.0	207.1	165.0	141.1	111.3	91.2		
27	135.2	239.7	553.4	777.5	1339.6	1014.0	332.5	205.7	165.0	141.1	111.3	91.2		
28	41.1	206.6	566.0	707.7	1305.7	1003.4	326.4	204.2	165.0	141.1	107.0	91.2		
29	143.1	199.5	575.4	805.6		982.4	321.7	201.9	165.0	141.1	107.0	91.2		
30	145.1	198.6	566.0	815.0		952.4	319.3	199.5	161.6	141.1	107.0	91.2		
31	154.5		541.7	827.4		910.0		197.2		141.1	107.0			
MEAN	132.1	175.0	320.0	627.1	1215.5	1000.2	452.1	243.0	170.0	150.0	120.2	99.3	300.6	
N	154.5	220.7	575.4	827.4	1480.4	1274.7	871.0	314.5	194.0	161.6	141.1	111.3	1400.4	
MIN.	122.0	156.1	189.3	486.7	820.9	876.0	312.3	197.2	161.6	141.1	107.0	91.2	91.2	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [Low Regime (m<sup>3</sup>/s)]:  
 Q(5day): 539.4      Q(195day): 191.1      Q(275day): 141.1      Q(355day): 94.4

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

*HM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1970/71		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	2.01	1.99	2.03	2.63	4.99	6.10	4.42	3.44	2.71	2.50	2.32	2.13				
2	2.01	1.99	2.90	3.66	5.00	6.04	4.35	3.39	2.71	2.50	2.29	2.13				
3	2.01	1.99	2.93	3.75	5.06	6.00	4.27	3.35	2.60	2.47	2.29	2.10				
4	2.01	2.01	2.96	3.79	5.15	6.00	4.21	3.32	2.60	2.47	2.29	2.10				
5	2.04	2.04	2.93	3.87	5.24	6.00	4.15	3.29	2.60	2.47	2.29	2.10				
6	2.04	2.01	2.96	3.93	5.30	6.00	4.09	3.26	2.65	2.47	2.26	2.10				
7	2.04	2.03	3.00	3.96	5.39	5.94	3.99	3.23	2.65	2.44	2.26	2.09				
8	2.04	2.03	3.05	4.05	5.49	5.91	3.93	3.20	2.65	2.44	2.27	2.07				
9	2.07	2.04	3.12	4.07	5.58	5.83	3.90	3.17	2.62	2.44	2.27	2.07				
10	2.07	2.04	3.14	4.05	5.62	5.73	3.84	3.14	2.62	2.44	2.27	2.10				
11	2.07	2.04	3.12	4.10	5.73	5.67	3.84	3.11	2.62	2.44	2.26	2.00				
12	2.04	2.09	3.12	4.27	5.85	5.64	3.81	3.08	2.59	2.41	2.26	2.07				
13	2.04	2.09	3.14	4.27	5.80	5.58	3.81	3.05	2.59	2.41	2.23	2.07				
14	2.04	2.10	3.14	4.36	5.94	5.46	3.78	3.02	2.59	2.41	2.23	2.07				
15	2.04	2.13	3.14	4.39	5.94	5.39	3.78	3.02	2.59	2.41	2.23	2.07				
16	2.01	2.16	3.15	4.42	5.94	5.33	3.78	2.99	2.59	2.41	2.19	2.07				
17	2.01	2.21	3.15	4.47	5.97	5.24	3.79	2.96	2.56	2.39	2.19	2.07				
18	1.99	2.21	3.17	4.51	6.04	5.15	3.79	2.93	2.56	2.39	2.19	2.07				
19	2.01	2.26	3.21	4.54	6.13	5.09	3.81	2.92	2.56	2.39	2.19	2.07				
20	2.04	2.32	3.25	4.60	6.15	5.09	3.81	2.90	2.56	2.35	2.19	2.07				
21	2.04	2.35	3.29	4.66	6.19	5.03	3.81	2.87	2.56	2.39	2.19	2.04				
22	2.04	2.38	3.30	4.75	6.22	5.00	3.81	2.87	2.56	2.39	2.19	2.04				
23	2.04	2.41	3.32	4.83	6.23	4.94	3.75	2.82	2.53	2.35	2.19	2.01				
24				4.85	6.25	4.85	3.69	2.83	2.53	2.35	2.16	2.01				
25	2.01	2.53	3.38	4.79	6.29	4.79	3.66	2.80	2.53	2.35	2.16	2.01				
26	2.01	2.56	3.41	4.79	6.29	4.72	3.60	2.80	2.50	2.35	2.16	2.01				
27	2.01	2.59	3.44	4.80	6.23	4.69	3.54	2.77	2.50	2.32	2.16	1.99				
28	1.99	2.71	3.54	4.85	6.19	4.63	3.54	2.77	2.50	2.32	2.16	2.01				
29	1.99	2.74	3.57	4.90		4.60	3.51	2.74	2.50	2.32	2.13	1.99				
30	1.99	2.77	3.59	4.91		4.57	3.47	2.74	2.50	2.32	2.13	1.99				
31	1.99		3.59	4.95		4.51		2.71		2.32	2.13					
MEAN	2.02	2.24	3.20	4.30	5.80	5.34	3.95	3.02	2.59	2.40	2.22	2.05	2.24			
M	2.07	2.77	3.59	4.95	6.29	6.10	4.42	3.44	2.71	2.50	2.32	2.13	6.29			
MIN.	1.99	1.99	2.93	2.63	4.99	4.51	3.47	2.71	2.50	2.32	2.13	1.99	1.99			

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1970/71		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	91.2	99.1	195.0	377.4	664.1	1014.0	515.0	301.7	179.9	149.1	125.7	104.4				
2	91.2	99.1	206.6	343.5	668.4	992.9	500.0	290.2	179.9	149.1	122.0	104.4				
3	91.2	99.1	211.4	362.2	695.7	992.4	477.9	284.6	174.5	145.1	122.0	101.0				
4	91.2	91.2	216.3	368.6	712.1	982.4	463.5	279.0	174.5	145.1	122.0	101.0				
5	94.4	94.4	211.4	399.0	739.0	982.4	449.2	273.5	174.5	145.1	122.0	101.0				
6	94.4	91.2	216.3	401.2	757.2	992.4	429.3	268.0	170.1	145.1	119.4	101.0				
7	94.4	92.0	223.7	407.9	784.9	961.7	414.7	262.6	170.1	141.1	119.4	100.0				
8	94.4	93.1	231.2	428.3	812.1	951.4	401.2	257.2	170.1	141.1	120.2	97.7				
9	97.7	94.4	243.0	431.8	841.8	920.8	394.6	251.9	165.0	141.1	120.2	97.7				
10	97.7	94.4	246.7	428.3	856.4	890.0	381.5	246.7	165.0	141.1	120.2	101.0				
11	97.7	94.4	244.1	456.3	890.0	871.0	381.5	241.5	165.0	141.1	119.4	99.7				
12	94.4	99.3	242.5	477.9	931.0	861.3	375.0	236.3	161.6	137.2	119.4	97.7				
13	94.4	99.3	246.7	477.9	941.1	841.8	375.0	231.2	161.6	137.2	114.0	97.7				
14	94.4	101.0	246.7	500.0	961.7	803.7	368.6	226.2	161.6	137.2	114.0	97.7				
15	94.4	104.4	246.7	507.4	961.7	784.9	368.6	226.2	161.6	137.2	114.0	97.7				
16	91.2	107.9	249.3	515.0	961.7	766.4	368.6	221.2	161.6	137.2	111.3	97.7				
17	91.2	113.0	249.3	526.3	972.0	739.0	371.0	216.3	167.4	133.3	111.3	97.7				
18	99.1	113.0	251.4	537.9	992.9	712.1	371.0	211.4	167.4	133.3	111.3	97.7				
19	91.2	118.4	259.9	545.6	1024.6	694.5	375.0	211.4	167.4	133.3	111.3	97.7				
20	94.4	126.1	265.3	561.3	1025.3	684.5	375.0	206.6	167.4	129.5	111.3	97.7				
21	94.4	129.5	270.7	577.1	1046.0	677.0	375.0	201.9	167.4	133.3	111.3	94.4				
22	94.4	133.3	275.1	601.4	1058.8	658.4	375.0	201.9	167.4	133.3	111.3	94.4				
23	94.4	137.2	279.0	621.9	1062.2	651.3	362.2	197.2	163.2	129.5	109.5	93.1				
24	94.4	145.1	284.6	626.1	1067.9	626.1	349.7	197.2	163.2	129.5	107.0	91.2				
25	91.2	153.2	290.2	609.5	1079.5	609.5	343.5	192.5	163.2	129.5	107.0	91.2				
26	91.2	157.4	295.8	609.5	1079.5	583.2	331.3	192.5	149.1	129.5	107.0	91.2				
27	91.2	161.6	301.7	613.7	1056.0	595.2	319.3	187.9	149.1	125.7	107.0	99.1				
28		178.9	319.3	626.1	1046.0	569.2	319.3	187.9	149.1	125.7	107.0	91.2				
29	99.1	183.4	325.2	634.4		561.3	313.4	183.4	149.1	125.7	104.4	99.1				
30	99.1	187.9	328.2	642.8		553.4	307.5	183.4	149.1	125.7	104.4	99.1				
31	99.1		329.5	655.6		537.9		179.9		125.7	104.4					
MEAN	92.7	110.7	258.1	510.4	917.4	776.2	395.1	227.4	161.6	135.9	114.0	96.6	312.6			
M	97.7	187.9	329.5	655.6	1079.5	1014.0	515.0	301.7	179.9	149.1	125.7	104.4	1079.5			
MIN.	88.1	99.1	195.0	377.4	664.1	577.9	307.5	179.9	149.1	125.7	104.4	99.1	99.1			

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(1day): 399.0      Q(105day): 179.9      Q(275day): 111.3      Q(365day): 99.1

PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>>

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1971/72	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.98	1.92	2.35	2.93	2.95	2.90	3.75	3.05	2.47	2.26	2.13	1.94		
2	1.97	1.92	2.32	2.95	2.93	2.87	3.70	3.08	2.50	2.25	2.13	1.92		
3	1.95	1.92	2.32	2.90	2.93	2.80	3.64	3.11	2.50	2.25	2.13	1.92		
4	1.95	1.92	2.29	2.92	2.90	2.96	3.60	3.14	2.50	2.25	2.13	1.92		
5	1.95	1.92	2.29	2.97	2.90	3.15	3.60	3.14	2.47	2.26	2.13	1.95		
6	1.95	1.92	2.30	3.00	2.89	3.34	3.57	3.11	2.47	2.25	2.13	1.92		
7	1.95	1.92	2.35	3.05	2.87	3.46	3.40	3.08	2.47	2.25	2.13	1.92		
8	1.95	1.92	2.35	3.08	2.83	3.55	3.54	3.05	2.44	2.25	2.13	1.92		
9	1.92	1.92	2.36	3.11	2.80	3.64	3.51	3.02	2.44	2.23	2.13	1.92		
10	1.92	1.95	2.38	3.11	2.80	3.75	3.49	2.99	2.41	2.23	2.10	1.92		
11	1.92	1.96	2.39	3.11	2.80	3.84	3.46	2.96	2.41	2.23	2.10	1.92		
12	1.92	1.99	2.40	3.10	2.80	3.96	3.43	2.93	2.39	2.23	2.10	1.95		
13	1.92	2.04	2.41	3.09	2.80	4.01	3.38	2.89	2.39	2.23	2.10	1.94		
14	1.89	2.04	2.43	3.09	2.77	4.02	3.31	2.83	2.39	2.23	2.10	1.92		
15	1.89	2.04	2.44	3.14	2.64	4.02	3.28	2.80	2.38	2.23	2.10	1.92		
16			2.47	3.14	2.70	4.02	3.19	2.77	2.38	2.19	2.04	1.89		
17	1.89	2.13	2.47	3.12	2.66	4.05	3.15	2.73	2.35	2.19	1.99	1.89		
18	1.92	2.14	2.47	3.11	2.65	4.08	3.14	2.70	2.35	2.19	1.99	1.87		
19	1.92	2.16	2.47	3.11	2.65	4.13	3.11	2.67	2.35	2.19	1.99	1.88		
20	1.92	2.19	2.50	3.10	2.65	4.18	3.06	2.65	2.35	2.19	1.99	1.88		
21	1.92	2.20	2.50	3.05	2.74	4.21	3.02	2.62	2.32	2.19	1.99	1.88		
22	1.93	2.26	2.51	3.02	2.78	4.21	2.99	2.59	2.32	2.19	1.97	1.88		
23	1.95	2.32	2.51	3.02	2.84	4.18	2.97	2.56	2.32	2.19	1.95	1.84		
24	1.95	2.35	2.50	3.03	2.87	4.13	2.93	2.55	2.32	2.16	1.95	1.83		
25	1.95	2.35	2.48	3.02	2.94	4.04	2.90	2.53	2.32	2.16	1.95	1.83		
26	1.95	2.35	2.77	3.02	2.98	3.84	2.87	2.51	2.29	2.16	1.95	1.83		
27	1.95	2.35	2.80	3.02	2.95	3.72	2.87	2.50	2.29	2.16	1.95	1.83		
28	1.95	2.35	2.80	3.02	2.94	3.73	2.89	2.47	2.29	2.16	1.95	1.83		
29	1.94	2.38	2.82	2.99	2.90	3.69	2.83	2.47	2.29	2.16	1.94	1.83		
30	1.92	2.41	2.82	2.99	2.99	3.70	3.00	2.44	2.29	2.13	1.92	1.83		
31	1.92		2.83	2.99		3.72		2.44		2.13	1.94			
MEAN	1.93	2.11	2.49	3.03	2.82	3.74	3.25	2.79	2.38	2.21	2.04	1.89	2.56	
MAX	1.98	2.41	2.93	3.14	2.99	4.21	3.75	3.14	2.50	2.26	2.13	1.95	4.21	
MIN.	1.89	1.92	2.29	2.83	2.64	2.87	2.87	2.44	2.29	2.13	1.92	1.83	1.83	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1971/72	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	88.1	81.9	129.5	197.2	216.3	206.6	362.2	231.2	145.1	119.4	104.4	83.4		
2	87.1	81.9	125.7	199.5	211.4	201.9	352.8	236.3	149.1	119.4	104.4	81.9		
3	85.0	81.9	125.7	206.6	211.4	204.2	340.4	241.5	149.1	119.4	104.4	81.9		
4	85.0	81.9	122.0	210.0	206.6	216.3	331.3	246.7	149.1	119.4	104.4	81.9		
5	85.0	81.9	122.0	217.8	206.6	249.3	321.3	246.7	145.1	119.4	104.4	85.0		
6			121.1	222.7	205.2	281.8	325.2	241.5	145.1	119.4	104.4	81.9		
7	85.0	81.9	129.5	231.2	201.9	304.6	293.6	236.3	145.1	119.4	104.4	81.9		
8	85.0	81.9	129.5	236.3	197.2	322.2	319.3	231.2	141.1	119.4	104.4	81.9		
9	81.9	81.9	130.6	241.5	192.5	340.4	313.4	226.2	141.1	114.0	104.4	81.9		
10	81.9	85.0	133.3	241.5	192.5	362.2	310.4	221.2	137.2	114.0	101.0	81.9		
11	81.9	85.0	134.5	241.5	192.5	381.5	304.6	216.3	137.2	114.0	101.0	81.9		
12	81.9	89.0	136.0	239.9	192.5	407.9	298.8	211.4	135.2	114.0	101.0	85.0		
13	81.9	94.4	137.2	236.3	192.5	418.1	290.2	204.2	133.3	114.0	101.0	83.4		
14	78.9	94.4	139.9	237.9	187.9	421.5	276.2	197.2	133.3	114.0	101.0	81.9		
15	78.9	94.4	141.1	246.7	169.0	421.5	270.7	192.5	133.3	114.0	101.0	81.9		
16	78.9	97.7	145.1	246.7	177.6	421.5	254.6	187.9	133.3	111.3	94.4	78.9		
17	78.9	104.4	145.1	243.0	171.4	429.3	249.3	181.2	129.5			78.9		
18	81.9	105.4	145.1	241.5	170.1	435.3	246.7	176.7	129.5	111.3	88.1	77.5		
19	81.9	107.0	145.1	241.5	170.1	445.7	241.5	172.3	129.5	111.3	88.1	76.0		
20	81.9	111.3	149.1	239.9	171.4	456.3	233.8	170.1	129.5	111.3	88.1	75.0		
21	81.9	112.3	149.1	231.2	183.4	463.5	226.2	165.8	125.7	111.3	88.1	76.0		
22	82.0	119.5	150.3	226.2	189.3	463.5	221.2	161.6	125.7	111.3	86.5	76.0		
23	85.0	125.7	149.9	226.2	198.6	456.3	218.8	157.4	125.7	109.5	85.0	74.6		
24	85.0	129.5	149.1	227.7	201.9	445.7	211.4	155.3	125.7	107.0	85.0	73.1		
25	85.0	129.5	147.1	226.2	212.9	424.9	206.6	153.2	125.7	107.0	85.0	73.1		
26	85.0	129.5	187.9	226.2	219.7	381.5	201.9	151.2	122.0	107.0	85.0	73.1		
27	85.0	129.5	192.5	226.2	214.8	355.9	201.9	149.1	122.0	107.0	85.0	73.1		
28	85.0	129.5	192.5	226.2	212.9	359.1	206.6	145.1	122.0	107.0	85.0	73.1		
29	84.0	133.3	197.2	221.2	208.1	349.7	211.4	145.1	122.0	107.0	83.4	73.1		
30		137.2	197.2	221.2		352.9	222.7	141.1	122.0	104.4	81.9	73.1		
31	81.9		197.2	221.2		355.9		141.1		104.4	83.4			
MEAN	83.2	102.7	140.4	229.0	195.8	365.7	269.2	191.4	132.7	112.7	94.3	78.0	167.1	
MAX	88.1	137.2	197.2	246.7	219.7	463.5	362.2	246.7	149.1	119.4	104.4	85.0	463.5	
MIN.	78.9	81.9	122.0	197.2	169.0	201.9	201.9	141.1	122.0	104.4	81.9	73.1	73.1	

[Discharge Rating Curve]: Q=29.791\*(H-0.262)<sup>2</sup>

[Flow Regime (m3/s)]:

Q(5day): 212.2      Q(105day): 135.2      Q(275day): 94.4      Q(355day): 76.0

<< CAM for DD-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1972/73	[WATER LEVEL (m)]
	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.03	1.03	1.03	2.23	2.50	3.24	3.17	2.45	2.01	1.92	1.95	1.74		
2	1.03	1.06	1.03	2.27	2.47	3.22	3.17	2.44	2.01	1.92	1.95	1.74		
3	1.03	1.06	1.03	2.36	2.47	3.20	3.14	2.41	2.01	1.92	1.93	1.74		
4	1.03	1.06	1.07	2.41	2.47	3.17	3.12	2.39	2.01	1.99	1.92	1.74		
5	1.03	1.06	1.09	2.45	2.47	3.17	3.09	2.36	2.00	1.99	1.92	1.74		
6	1.04	1.06	1.92	2.40	2.47	3.17	3.03	2.33	1.99	1.99	1.93	1.74		
7	1.00	1.09	1.94	2.53	2.44	3.17	2.97	2.32	1.99	1.99	1.93	1.71		
8	1.00	1.09	1.95	2.55	2.45	3.17	2.91	2.29	1.99	1.99	1.93	1.71		
9	1.00	1.09	1.98	2.56	2.47	3.20	2.80	2.29	1.99	1.99	1.93	1.71		
10	1.00	1.09	2.01	2.56	2.47	3.29	2.05	2.26	1.99	1.99	1.93	1.71		
11	1.00	1.09	2.04	2.62	2.47	3.34	2.82	2.26	1.95	1.99	1.93	1.71		
12	1.00	1.91	2.04	2.65	2.47	3.40	2.79	2.24	1.95	1.99	1.93	1.71		
13	1.01	1.95	2.06	2.60	2.50	3.46	2.77	2.23	1.95	1.96	1.93	1.71		
14	1.03	1.97	2.07	2.60	2.55	3.51	2.74	2.23	1.95	1.95	1.90	1.71		
15	1.03	1.95	2.07	2.69	2.59	3.47	2.73	2.23	1.95	1.96	1.90	1.69		
16	1.03	1.95	2.07	2.71	2.59	3.44	2.70	2.23	1.95	1.96	1.90	1.69		
17	1.03	1.95	2.10	2.71	2.62	3.44	2.69	2.19	1.95	1.96	1.90	1.69		
18		1.92	2.10	2.74	2.65	3.43	2.65	2.19	1.95	1.96	1.90	1.69		
19	1.06	1.92	2.10	2.74	2.60	3.31	2.65	2.15	1.95	1.96	1.90	1.69		
20	1.03	1.92	2.15	2.71	2.71	3.25	2.65	2.13	1.95	1.96	1.77	1.69		
21	1.00	1.91	2.19	2.71	2.44	3.20	2.62	2.13	1.95	1.96	1.77	1.69		
22	1.00	1.97	2.19	2.60	2.77	3.17	2.62	2.10	1.95	1.96	1.77	1.69		
23	1.00	1.92	2.19	2.60	2.92	3.12	2.61	2.10	1.95	1.96	1.77	1.69		
24	1.00	1.91	2.19	2.65	2.92	3.11	2.61	2.10	1.92	1.96	1.77	1.69		
25	1.00	1.99	2.19	2.64	2.97	3.11	2.61	2.07	1.92	1.96	1.77	1.69		
26	1.00	1.99	2.15	2.62	3.09	3.11	2.56	2.07	1.92	1.96	1.77	1.69		
27	1.00	1.77	2.13	2.61	3.19	3.14	2.56	2.07	1.92	1.96	1.77	1.69		
28	1.00	1.77	2.16	2.59	3.23	3.15	2.54	2.07	1.92	1.96	1.77	1.69		
29	1.00	1.99	2.19	2.59		3.17	2.50	2.04	1.92	1.96	1.77	1.69		
30	1.03	1.99	2.21	2.56		3.20	2.49	2.04	1.92	1.95	1.77	1.69		
31	1.03		2.23	2.53		3.20		2.04		1.95	1.74			
MEAN	1.02	1.07	2.06	2.59	2.64	3.25	3.27	2.21	1.96	1.97	1.99	1.69	2.21	
M	1.95	1.97	2.23	2.74	3.23	3.51	3.17	2.45	2.01	1.92	1.96	1.74	3.51	
MIN.	1.00	1.77	1.93	2.23	2.44	3.11	2.49	2.04	1.92	1.96	1.74	1.69	1.69	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1972/73	[DISCHARGE (m <sup>3</sup> /sec)]
	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	73.1	73.1	73.1	114.0	149.1	264.2	251.9	143.1	91.2	81.9	76.0	64.0		
2	73.1	76.0	73.1	120.2	145.1	261.5	251.9	141.1	91.2	81.9	76.0	64.0		
3	73.1	76.0	73.1	131.4	145.1	257.2	246.7	137.2	91.2	81.9	73.1	64.0		
4	73.1	76.0	77.5	137.2	145.1	251.9	244.1	135.2	91.2	79.9	73.1	64.0		
5	73.1	76.0	78.9	143.1	145.1	251.9	239.2	131.4	89.6	79.9	73.1	64.0		
6	74.6	76.0	81.9	147.1	145.1	251.9	229.7	127.6	88.1	79.9	73.1	64.0		
7	70.3	70.9	83.4	153.2	141.1	251.9	219.0	125.7	88.1	79.9	73.1	62.2		
8	70.3	70.9	85.0	155.2	143.1	251.9	209.0	122.0	88.1	79.9	73.1	62.2		
9	70.3	70.9	88.1	157.4	145.1	257.2	204.2	122.0	88.1	79.9	73.1	62.2		
10	70.3	70.9	91.2	157.4	145.1	273.5	199.5	119.4	88.1	79.9	73.1	62.2		
11	70.3	70.9	94.4	165.0	145.1	281.0	194.0	118.4	85.0	79.9	73.1	62.2		
12	70.3	80.4	94.4	170.1	145.1	293.1	190.2	116.6	85.0	79.9	73.1	62.2		
13	71.7	85.0	96.0	174.5	149.1	304.6	197.2	114.0	85.0	76.0	73.1	62.2		
14	73.1	86.5	97.7	174.5	155.2	313.4	193.4	114.0	85.0	76.0	70.3	62.2		
15	73.1	85.0	97.7	174.5	161.6	307.5	191.2	114.0	85.0	76.0	70.3	60.9		
16	73.1	85.0	97.7	178.9	161.6	301.7	176.7	114.0	85.0	76.0	70.3	59.6		
17	73.1	85.0	101.0	179.9	165.0	301.7	174.5	111.3	85.0	76.0	70.3	59.6		
18	76.0	81.9	101.0	183.4	170.1	298.0	170.1	109.5	85.0	76.0	70.3	59.6		
19	76.0	81.9	101.0	183.4	174.5	276.2	170.1	105.1	85.0	76.0	70.3	59.6		
20	73.1	81.9	106.1	179.9	170.9	265.3	170.1	104.4	85.0	76.0	67.6	59.6		
21	70.3	80.4	109.5	178.9	141.1	257.2	165.0	104.4	85.0	76.0	67.6	59.6		
22	70.3	77.5	111.3	174.5	107.9	251.9	165.0	101.0	85.0	76.0	67.6	59.6		
23	70.3	73.1	111.3	174.5	194.0	244.1	163.7	101.0	84.7	76.0	67.6	59.6		
24	70.3	71.7	111.3	170.1	204.2	241.5	163.7	101.0	81.9	76.0	67.6	59.6		
25	70.3	70.3	111.3	160.0	219.0	241.5	163.7	97.7	81.9	76.0	67.6	50.9		
26	70.3	70.3	106.1	165.0	236.3	241.5	157.4	97.7	81.9	76.0	67.6	57.1		
27	70.3	67.6	104.4	163.7	254.6	246.7	157.4	97.7	81.9	76.0	67.6	57.1		
28	70.3	67.6	107.0	161.6	262.6	249.3	154.9	97.7	81.9	76.0	67.6	57.1		
29	70.3	70.3	109.5	161.6		251.9	149.1	94.4	81.9	76.0	67.6	57.1		
30	73.1	70.3	113.0	157.4		257.2	147.1	94.4	81.9	76.0	67.6	57.1		
31	73.1		114.0	153.2		257.2		94.4		76.0	64.0			
MEAN	72.0	77.3	96.0	161.6	169.9	266.4	189.4	113.2	95.7	77.4	70.5	60.9	119.9	
M	76.0	86.5	114.0	183.4	262.6	313.4	251.9	143.1	91.2	81.9	76.0	64.0	313.4	
MIN.	70.3	67.6	73.1	114.0	141.1	241.5	147.1	94.4	81.9	76.0	64.0	57.1	57.1	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

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

Q(1day): 155.3      Q(105day): 86.5      Q(275day): 73.1      Q(355day): 59.6

<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>

*HM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1973/74		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	1.85	1.65	1.80	2.13	2.93	3.45	3.40	2.85	2.19	1.90	1.99	1.90					
2	1.85	1.60	1.80	2.16	2.91	3.30	3.22	2.62	2.19	1.90	1.99	1.90					
3	1.65	1.60	1.80	2.19	3.00	3.31	3.29	2.59	2.16	1.97	1.99	1.90					
4	1.65	1.60	1.83	2.21	3.05	3.29	3.26	2.55	2.15	1.95	1.99	1.90					
5	1.65	1.60	1.83	2.26	3.02	3.20	3.20	2.50	2.13	1.95	1.99	1.90					
6	1.60	1.60	1.85	2.26	3.00	3.25	3.31	2.47	2.13	1.95	1.99	1.90					
7	1.60	1.71	1.87	2.26	2.94	3.26	3.23	2.44	2.12	1.95	1.99	1.90					
8	1.69	1.71	1.91	2.29	2.90	3.26	3.25	2.41	2.10	1.95	1.99	1.90					
9	1.71	1.72	1.94	2.30	2.93	3.26	3.61	2.39	2.10	1.95	1.99	1.90					
10	1.71	1.74	1.95	2.30	2.96	3.31	3.66	2.30	2.07	1.95	1.97	1.90					
11	1.71	1.74	1.99	2.30	2.97	3.44	3.67	2.35	2.07	1.95	1.95	1.90					
12	1.71	1.77	2.00	2.47	3.00	3.63	3.61	2.35	2.07	1.95	1.95	1.90					
13	1.71	1.77	2.04	2.50	3.05	3.70	3.57	2.30	2.07	1.95	1.95	1.90					
14	1.60	1.70	2.06	2.62	3.05	3.64	3.51	2.41	2.04	1.95	1.95	1.90					
15	1.60	1.90	2.12	2.67	3.05	3.79	3.47	2.41	2.04	1.95	1.95	1.90					
16	1.60	1.93	2.16	2.69	3.05	3.73	3.44	2.42	2.04	1.95	1.95	1.90					
17	1.66	1.93	2.13	2.65	3.05	3.37	3.40	2.44	2.01	1.95	1.95	1.90					
18	1.65	1.91	2.13	2.65	3.06	3.50	3.30	2.45	2.01	1.95	1.95	1.90					
19	1.65	1.90	2.13	2.65	3.12	3.47	3.35	2.47	2.01	1.95	1.95	1.90					
20	1.65	1.90	2.12	2.65	3.23	3.40	3.29	2.47	2.01	1.95	1.95	1.90					
21	1.65	1.90	2.10	2.64	3.49	3.34	3.20	2.47	1.99	1.94	1.94	1.90					
22	1.65	1.90	2.10	2.62	3.70	3.20	3.14	2.45	1.99	1.92	1.94	1.90					
23	1.65	1.90	2.10	2.62	4.01	3.26	3.09	2.42	1.90	1.92	1.94	1.90					
24	1.65	1.90	2.10	2.60	4.10	3.30	3.02	2.41	1.99	1.92	1.94	1.90					
25	1.65	1.90	2.07	2.74	3.99	3.49	2.99	2.30	1.90	1.92	1.90	1.90					
26	1.65	1.90	2.07	3.02	3.79	3.57	2.94	2.35	1.99	1.92	1.90	1.90					
27	1.65	1.90	2.10	3.00	3.32	3.60	2.97	2.32	1.99	1.94	1.90	1.90					
28	1.65	1.77	2.10	2.95	3.52	3.55	2.79	2.32	1.90	1.99	1.90	1.90					
29	1.65	1.77	2.07	2.96		3.51	2.73	2.29	1.99	1.99	1.90	1.90					
30	1.65	1.77	2.07	2.95		3.49	2.67	2.26	1.99	1.99	1.90	1.90					
31	1.65		2.07	2.07		3.44		2.23		1.99	1.90						
MEAN	1.66	1.76	2.01	2.54	3.22	3.45	3.25	2.42	2.05	1.94	1.95	1.79	2.32				
M.	1.71	1.93	2.16	3.03	4.10	3.64	3.67	2.85	2.19	1.90	1.93	1.90	4.10				
MIN.	1.65	1.65	1.80	2.07	2.90	3.26	2.67	2.23	1.90	1.90	1.90	1.62	1.62				

*QM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1973/74		[DISCHARGE (m <sup>3</sup> /sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	57.1	50.3	70.3	104.4	211.4	304.6	292.1	170.1	111.3	80.1	70.9	70.3					
2	57.1	59.6	70.3	107.0	209.0	290.2	279.0	165.9	111.3	80.1	70.9	70.3					
3	57.1	59.6	70.3	109.5	223.7	276.2	273.5	161.6	107.0	86.5	70.9	70.3					
4	57.1	59.6	73.1	113.0	231.2	273.5	260.0	155.3	107.0	85.0	70.9	60.9					
5	57.1	59.6	73.1	110.4	228.2	270.7	270.7	149.1	104.4	85.0	70.9	67.6					
6	59.6	59.6	75.0	110.4	223.7	260.0	276.2	145.1	104.4	85.0	70.9	67.6					
7	59.6	62.2	77.5	110.4	213.9	260.0	262.6	141.1	102.7	85.0	70.9	68.2					
8	60.9	62.2	80.4	122.0	206.6	260.0	255.3	137.2	101.0	85.0	70.9	64.0					
9	62.2	63.5	83.4	123.9	211.4	260.0	334.3	135.2	101.0	85.0	70.9	64.0					
10	62.2	64.0	85.0	133.3	216.3	276.2	343.5	132.3	97.7	85.0	70.9	64.0					
11	62.2	64.0	80.1	133.3	210.0	301.7	348.6	131.4	97.7	85.0	75.0	64.0					
12	62.2	67.6	89.6	145.1	223.7	327.4	334.3	129.5	97.7	85.0	75.0	64.0					
13	62.2	67.6	94.4	159.5	231.2	359.6	325.2	133.3	97.7	85.0	75.0	62.5					
14	59.6	60.9	95.0	165.0	231.2	391.5	313.4	137.2	94.4	85.0	75.0	62.2					
15	59.6	70.3	102.7	172.3	231.2	371.0	307.5	137.2	94.4	85.0	75.0	62.2					
16	59.6	73.1	107.0	174.5	231.2	359.1	301.7	139.1	94.4	85.0	75.0	62.2					
17	50.3	73.1	104.4	170.1	231.2	297.4	293.1	141.1	91.2	85.0	74.6	62.2					
18	57.1	71.7	104.4	170.1	223.0	320.2	290.2	143.1	91.2	85.0	73.1	60.9					
19	57.1	70.3	104.4	170.1	244.1	307.5	294.6	145.1	91.2	85.0	73.1	59.6					
20	57.1	70.3	102.7	170.1	262.6	292.1	273.5	145.1	91.2	85.0	73.1	59.6					
21	57.1	70.3	101.0	169.0	310.4	291.0	257.2	145.1	80.1	80.4	73.1	57.1					
22	57.1	70.3	101.0	165.0	360.6	270.7	246.7	143.1	80.1	81.9	73.1	57.1					
23	57.1	70.3	101.0	165.0	410.1	260.0	236.3	139.1	80.1	81.9	73.1	57.1					
24	57.1	70.3	101.0	174.5	439.7	290.2	226.2	137.2	80.1	81.9	71.7	57.1					
25	57.1	70.3	97.7	182.4	411.3	310.4	221.2	133.3	80.1	81.9	70.3	57.1					
26	57.1	70.3	97.7	226.2	371.0	325.2	213.9	129.5	80.1	81.9	70.3	57.1					
27	57.1	70.3	101.0	223.7	279.0	331.3	201.9	125.7	80.1	80.4	70.3	54.6					
28	57.1	67.6	101.0	216.3	216.3	322.2	190.2	125.7	80.1	70.9	70.3	54.6					
29	57.1	67.6	97.7	216.3		313.4	181.2	122.0	80.1	70.9	70.3	54.6					
30	57.1	67.6	97.7	216.3		310.4	172.3	110.4	80.1	70.9	70.3	54.6					
31	57.1		97.7	97.7		301.7		114.0		70.9	70.3						
MEAN	50.5	66.7	91.9	156.6	265.2	304.0	269.4	139.0	95.7	83.7	74.9	61.9	130.1				
M.	62.2	73.1	107.0	226.2	439.7	391.5	346.6	170.1	111.3	80.1	70.9	70.3	439.7				
MIN.	57.1	50.3	70.3	97.7	206.6	260.0	172.3	114.0	80.1	70.9	70.3	54.6	54.6				

[Discharge Rating Curve]: Q=29.791\*(H-0.262)<sup>2</sup>

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

Q(1day): 174.5      Q(105day): 94.4      Q(275day): 70.3      Q(355day): 57.1

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

*HM*		ST.: 1-950 WATOPA PONTOON												YEAR : 1974/75		[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.62	1.55	1.04	2.77	4.11	4.52	6.17	3.00	2.41	2.13	2.00	1.99				
2	1.62	1.55	1.07	2.00	4.04	4.59	6.00	3.00	2.41	2.14	2.00	1.99				
3	1.60	1.55	1.09	2.07	3.95	4.66	5.76	3.00	2.40	2.14	2.00	1.99				
4	1.50	1.55	1.91	3.03	3.93	4.75	5.57	3.05	2.30	2.13	1.99	1.99				
5	1.50	1.55	1.95	3.20	3.93	4.05	5.40	3.05	2.30	2.13	1.99	1.99				
6		0	1.95	3.37	3.93	4.95	5.06	3.02	2.35	2.12	1.99	1.99				
7	1.50	1.50	1.97	3.51	3.93	5.08	5.00	3.00	2.35	2.11	1.99	1.99				
8	1.50	1.50	2.00	3.64	4.00	5.27	4.01	2.99	2.32	2.10	1.99	1.99				
9	1.50	1.62	2.07	3.73	4.27	5.40	4.73	2.96	2.32	2.10	1.99	1.99				
10	1.50	1.63	2.04	3.90	4.43	5.67	4.69	2.96	2.31	2.10	1.99	1.99				
11	1.50	1.65	2.01	3.92	4.51	5.79	4.64	2.93	2.29	2.10	1.99	1.99				
12	1.55	1.65	2.01	3.98	4.51	5.09	4.55	2.93	2.29	2.00	1.99	1.99				
13	1.55	1.65	2.07	4.05	4.54	6.00	4.45	2.90	2.29	2.00	1.99	1.99				
14	1.55	1.65	2.07	4.05	4.50	6.07	4.32	2.97	2.29	2.09	1.99	1.99				
15	1.55	1.65	2.10	4.04	4.39	6.10	4.24	2.93	2.29	2.00	1.99	1.99				
16	1.55	1.60	2.10	4.02	4.29	6.07	4.15	2.77	2.26	2.07	1.99	1.99				
17	1.55	1.60	2.16	3.97	4.27	6.02	4.05	2.74	2.26	2.07	1.99	1.99				
18	1.55	1.60	2.30	3.00	4.26	5.94	3.99	2.71	2.16	2.08	1.99	1.99				
19	1.55	1.60	2.32	3.93	4.29	5.70	3.92	2.70	2.22	2.04	1.99	1.99				
20	1.55	1.65	2.30	3.94	4.35	5.64	3.81	2.69	2.23	2.04	1.99	1.99				
21	1.55	1.65	2.29	3.97	4.39	5.51	3.72	2.60	2.23	2.04	1.99	1.99				
22	1.55	1.65	2.30	4.03	4.39	5.46	3.63	2.65	2.22	2.04	1.99	1.99				
23	1.55	1.65	2.32	4.00	4.41	5.43	3.56	2.62	2.19	2.04	1.99	1.99				
24	1.55	1.65	2.35	4.17	4.42	5.52	3.47	2.59	2.19	2.02	1.99	1.99				
25	1.55	1.35	2.35	4.10	4.45	5.62	3.40	2.56	2.19	2.02	1.99	1.99				
26	1.55	1.69	2.30	4.10	4.42	5.04	3.31	2.55	2.19	2.02	1.99	1.99				
27	1.55	1.72	2.42	4.20	4.43	6.00	3.23	2.53	2.15	2.02	1.99	1.99				
28	1.55	1.90	2.40	4.21	4.56	6.13	3.17	2.50	2.16	2.01	1.99	1.99				
29	1.50	1.93	2.55	4.21		6.25	3.17	2.49	2.16	2.01	1.99	1.99				
30	1.50	1.90	2.64	4.24		6.31	3.12	2.44	2.14	2.01	1.99	1.99				
31	1.50		2.71	4.21		6.20		2.41		2.00	1.99					
MEAN	1.57	1.64	2.10	3.91	4.20	5.60	4.30	2.79	2.27	2.07	1.99	1.99	2.95			
M	1.62	1.63	2.71	4.24	4.56	6.31	6.17	3.00	2.41	2.14	2.00	1.99	5.31			
MIN.	1.55	1.35	1.94	2.77	3.93	4.59	3.12	2.41	2.14	2.00	1.99	1.75	1.36			

*QM*		ST.: 1-950 WATOPA PONTOON												YEAR : 1974/75		[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	54.6	49.0	74.6	107.9	442.2	559.9	1030.5	236.3	137.2	104.4	99.6	79.2				
2	54.6	49.0	77.5	191.1	426.3	559.9	992.4	236.3	137.2	105.0	99.6	79.2				
3	53.3	49.0	70.9	201.9	405.9	577.1	900.0	236.3	136.0	105.0	99.6	79.2				
4	52.1	49.0	90.4	227.7	401.2	601.4	830.9	232.0	133.3	104.4	99.3	77.5				
5	52.1	49.0	85.0	257.2	401.2	628.1	797.7	231.2	133.3	104.4	99.7	76.9				
6	52.1	52.1	95.0	209.5	401.2	653.9	695.7	226.2	129.5	102.7	99.1	75.0				
7	52.1	52.1	96.5	313.4	401.2	691.0	669.4	222.7	129.5	102.0	99.1	75.0				
8	52.1	52.1	99.6	339.2	403.2	740.1	615.3	221.2	125.7	101.0	99.1	75.7				
9	52.1	54.6	97.7	357.0	477.9	810.3	595.7	216.3	125.7	101.0	99.1	75.7				
10	52.1	55.0	94.4	373.1	515.0	871.0	585.2	216.3	124.6	101.0	99.1	74.9				
11	52.1	57.1	91.2	399.2	527.9	910.0	571.5	211.4	122.0	101.0	99.1	74.6				
12	49.0	57.1	91.2	414.7	537.9	944.2	547.9	211.4	122.0	99.0	99.1	74.6				
13	49.0	57.1	97.7	420.3	545.6	992.4	522.5	206.6	122.0	99.3	97.4	73.1				
14	49.0	57.1	97.7	420.3	535.5	1003.4	492.6	201.9	122.0	99.3	97.4	73.1				
15	49.0	57.1	101.0	426.3	507.4	1014.0	470.7	197.2	122.0	99.7	96.5	71.7				
16	49.0	59.6	101.0	421.5	493.0	1006.6	449.2	197.9	119.4	97.7	96.5	70.9				
17	49.0	59.6	107.0	409.9	477.9	999.7	428.3	193.4	119.4	97.7	95.6	70.2				
18	49.0	59.6	123.9	390.0	475.7	951.7	414.7	179.9	107.0	99.0	95.3	69.5				
19	49.0	59.6	125.7	401.2	403.0	907.0	379.5	177.6	113.7	94.4	95.0	68.4				
20	49.0	59.3	123.9	403.2	497.7	951.3	375.0	174.5	114.0	94.4	94.7	67.6				
21	49.0	57.1	122.0	409.9	507.4	919.0	355.9	174.5	114.8	94.4	95.0	70.3				
22	49.0	57.1	123.9	423.5	507.4	903.7	337.4	170.1	113.7	94.4	94.7	69.9				
23	49.0	57.1	125.7	435.3	512.7	797.1	323.4	165.0	111.3	94.4	93.4	69.4				
24	49.0	57.1	129.5	454.2	515.0	822.6	307.5	161.5	111.3	92.0	93.1	67.9				
25	49.0	65.7	129.5	456.3	522.5	854.4	294.2	157.4	111.3	92.0	92.5	67.0				
26	49.0	60.9	133.3	458.3	515.0	927.9	277.3	156.1	107.8	92.0	92.5	67.3				
27	49.0	63.5	139.1	461.3	515.0	979.3	262.6	152.2	107.0	91.9	91.9	66.2				
28	49.0	70.3	147.1	463.5	551.1	1024.6	251.9	149.1	107.0	91.2	90.4	66.2				
29	52.1	70.1	155.3	463.5		1067.6	251.9	147.9	107.0	91.2	90.4	66.2				
30	52.1	70.3	160.0	470.7		1099.5	243.0	141.1	105.4	90.6	90.4	66.2				
31	52.1		170.9	483.5		1070.5		137.2		89.6	90.1					
MEAN	51.0	56.7	111.7	391.2	483.3	856.3	599.5	191.0	119.0	97.6	95.7	71.9	250.0			
M	54.6	73.1	170.9	470.7	551.1	1099.5	1030.5	236.3	137.2	105.0	99.6	79.2	1099.5			
MIN.	49.0	35.7	74.6	107.9	401.2	550.9	243.0	137.2	105.4	89.6	90.1	65.2	35.7			

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2  
 [Flow Regime (m3/s)]:  
 Q(105day): 112.7      Q(275day): 70.9      Q(355day): 49.0



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

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1975/76		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.75	1.60	1.75	2.05	3.60	4.76	5.05	5.43	3.22	2.55	2.40	2.19				
2	1.75	1.67	1.40	2.20	3.64	4.90	5.72	5.36	3.19	2.65	2.39	2.19				
3	1.74	1.66	1.03	2.29	3.73	4.97	5.58	5.33	3.14	2.63	2.38	2.18				
4	1.75	1.67	1.03	2.31	3.79	5.01	5.47	5.22	3.10	2.62	2.39	2.17				
5	1.74	1.60	1.05	2.32	3.84	5.02	5.37	5.09	3.00	2.62	2.37	2.16				
6	1.74	1.70	1.06	2.35	3.88	5.05	5.32	4.94	3.05	2.60	2.36	2.15				
7	1.74	1.71	1.08	2.38	3.95	5.00	5.24	4.95	3.03	2.59	2.35	2.15				
8	1.74	1.70	1.06	2.39	3.93	5.11	5.20	4.80	3.00	2.59	2.35	2.14				
9	1.74	1.69	1.90	2.41	3.79	5.13	5.27	4.95	2.90	2.59	2.33	2.13				
10	1.74	1.69	1.93	2.45	3.76	5.13	5.43	4.91	2.95	2.57	2.33	2.12				
11	1.74	1.60	1.96	2.52	3.67	5.22	5.61	4.75	2.93	2.56	2.32	2.12				
12	1.73	1.67	1.97	2.59	3.77	5.28	5.69	4.71	2.90	2.56	2.32	2.10				
13	1.71	1.66	1.90	2.61	3.72	5.33	6.05	4.64	2.89	2.55	2.31	2.09				
14	1.71	1.70	2.00	2.65	3.68	5.54	6.27	4.55	2.97	2.53	2.30	2.07				
15	1.71	1.71	2.03	2.70	3.67	5.61	6.44	4.47	2.97	2.53	2.30	2.06				
16	1.73	1.71	2.04	2.74	3.66	5.72	6.57	4.36	2.94	2.52	2.29	2.06				
17	1.69	1.71	2.06	2.90	3.60	5.90	6.50	4.29	2.93	2.50	2.29	2.05				
18	1.68	1.71	2.07	2.97	3.59	5.80	6.77	4.13	2.90	2.50	2.29	2.04				
19	1.69	1.71	2.11	2.97	3.57	5.95	6.83	4.09	2.77	2.49	2.27	2.03				
20	1.69	1.74	2.14	3.01	3.57	5.95	6.89	4.04	2.77	2.48	2.27	2.03				
21	1.67	1.75	2.17	3.00	3.61	5.99	6.93	3.93	2.75	2.47	2.26	2.02				
22	1.69	1.75	2.22	3.19	3.50	5.98	6.96	3.80	2.74	2.47	2.26	2.01				
23	1.69	1.74	2.26	3.21	3.90	5.93	6.92	3.92	2.72	2.47	2.26	2.01				
24	1.69	1.72	2.29	3.23	4.15	5.86	6.68	3.69	2.71	2.46	2.26	2.02				
25	1.69	1.72	2.30	3.25	4.15	5.82	6.52	3.61	2.70	2.45	2.24	2.01				
26	1.67	1.73	2.29	3.35	4.18	5.81	6.34	3.53	2.69	2.44	2.24	2.01				
27	1.69	1.79	2.29	3.30	4.39	5.86	6.02	3.45	2.69	2.44	2.23	2.03				
28	1.69	1.76	2.32	3.45	4.50	5.92	5.89	3.39	2.67	2.44	2.23	2.05				
29	1.69	1.75	2.29	3.40	4.65	5.92	5.64	3.34	2.66	2.42	2.21	2.06				
30	1.69	1.74	2.26	3.46		5.91	5.49	3.32	2.65	2.41	2.21	2.06				
31	1.69		2.23	3.53		5.92		3.25		2.41	2.20					
MEAN	1.71	1.71	2.05	2.92	3.94	5.52	6.06	4.33	2.97	2.52	2.30	2.00	3.15			
MAX	1.75	1.79	2.32	3.53	4.65	5.99	6.96	5.43	3.22	2.65	2.40	2.19	6.96			
MIN.	1.67	1.65	1.40	2.26	3.50	4.76	5.24	3.25	2.65	2.41	2.20	2.01	1.40			

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1975/76		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	66.2	59.6	66.7	119.4	331.3	603.8	931.0	797.1	259.9	170.1	136.4	111.3				
2	85.7	59.1	44.5	120.9	340.4	641.2	907.9	773.9	254.6	170.1	135.2	110.9				
3	64.0	50.3	73.1	122.0	259.1	659.0	943.0	766.4	246.1	167.5	133.3	109.5				
4	67.7	59.3	73.1	124.6	371.0	671.0	907.4	731.0	240.4	165.0	133.3	109.1				
5	64.0	50.1	75.1	126.5	302.1	675.3	777.5	695.3	238.3	165.0	132.6	107.9				
6	64.0	61.4	76.3	129.5	394.7	684.0	763.6	651.3	231.2	163.3	130.6	106.4				
7	65.1	62.2	76.0	131.4	393.4	691.0	737.2	659.9	229.2	161.6	129.5	106.1				
8	65.4	61.7	76.0	134.1	379.2	700.6	749.9	634.4	223.7	161.6	129.5	105.4				
9	65.1	60.9	79.0	138.0	371.9	705.0	777.5	627.0	220.2	161.6	127.6	104.4				
10	64.0	60.4	82.5	142.7	365.4	705.0	794.3	616.1	215.3	159.0	127.2	104.4				
11	64.0	59.6	86.2	152.0	345.3	732.7	853.5	601.4	212.4	157.4	126.1	102.7				
12	64.3	59.1	86.5	160.3	367.3	754.5	943.2	589.2	209.1	157.4	125.7	100.3				
13	62.7	50.5	87.4	164.1	355.9	766.4	999.1	570.9	205.7	155.3	125.0	99.3				
14	62.2	61.4	90.3	169.3	347.8	830.3	1076.3	547.2	203.2	153.6	123.9	97.7				
15	62.2	62.2	93.4	176.7	346.6	851.5	1136.1	520.6	201.9	153.2	123.5	96.4				
16	64.6	62.2	94.4	183.4	343.5	885.0	1187.1	501.5	199.5	152.0	122.4	96.0				
17	59.6	62.2	96.7	192.5	332.5	913.0	1159.8	483.0	196.2	149.5	122.0	95.4				
18	59.6	62.7	97.7	203.3	329.2	913.0	1262.8	445.7	191.6	149.1	120.9	92.6				
19	59.6	62.7	101.7	210.9	325.2	929.9	1285.4	437.3	187.9	148.3	120.2	92.0				
20	59.6	64.0	105.0	224.7	326.4	963.7	1309.3	426.3	187.9	147.1	120.2	92.0				
21	59.3	66.2	108.0	237.3	334.3	977.2	1322.6	399.2	184.0	145.9	119.1	92.2				
22	59.6	66.2	113.7	254.6	312.0	975.1	1334.7	390.0	183.4	145.1	118.4	91.2				
23	59.6	64.0	110.4	259.0	412.6	950.6	1310.5	392.6	180.7	145.1	118.4	91.5				
24	59.6	63.5	120.9	263.1	449.2	934.0	1225.2	350.9	179.9	144.3	118.4	91.0				
25	59.6	63.5	123.1	266.4	449.2	920.8	1165.4	333.1	176.7	143.1	116.9	91.2				
26	59.3	64.3	122.0	284.6	457.7	915.0	1100.5	318.1	175.0	141.9	116.2	91.5				
27	59.6	69.0	122.0	290.2	507.4	933.0	991.0	302.0	174.5	141.1	115.5	93.4				
28	59.6	67.0	125.7	302.0	536.3	953.4	943.2	291.9	172.3	141.1	114.0	95.1				
29	59.6	66.2	122.0	309.7	573.1	954.5	861.3	292.9	171.4	140.0	113.0	95.0				
30	59.6	65.4	119.5	304.6		950.4	813.1	277.9	170.1	137.6	113.0	96.7				
31	59.6		115.9	319.1		952.4		265.0		137.2	112.3					
MEAN	62.2	62.5	86.0	200.7	393.5	629.2	1011.7	505.3	203.9	152.6	123.3	99.0	310.1			
MAX	86.2	69.0	125.7	319.1	573.1	977.2	1334.7	797.1	259.9	170.1	136.4	111.3	1334.7			
MIN.	59.3	50.3	44.5	119.4	312.9	603.8	737.2	265.0	170.1	127.2	112.3	91.2	44.5			

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [Flow Regime (m3/s)]:  
 Q(1day): 379.2      Q(105day): 153.6      Q(275day): 96.4      Q(355day): 59.6

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

*TIM*	ST.: 1-950 WATOPA PONTOON												YEAR: 1976/77	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	2.09	2.04	2.21	2.15	4.32	4.50	4.90	3.95	2.91	2.50	2.29	2.11		
2	2.09	2.04	2.21	2.10	4.31	4.65	4.79	3.99	2.90	2.49	2.29	2.10		
3	2.09	2.05	2.21	2.22	4.31	4.79	4.79	3.79	2.77	2.47	2.29	2.09		
4	2.10	2.09	2.22	2.22	4.33	4.91	4.92	3.75	2.76	2.49	2.29	2.09		
5	2.15	2.07	2.19	2.23	4.36	5.00	4.94	3.69	2.75	2.49	2.27	2.09		
6	2.17	2.11	2.19	2.28	4.39	5.10	4.95	3.65	2.74	2.47	2.26	2.07		
7	2.17	2.13	2.19	2.29	4.37	5.15	4.95	3.61	2.72	2.46	2.24	2.07		
8	2.19	2.23	2.21	2.26	4.37	5.11	4.86	3.58	2.71	2.45	2.24	2.05		
9	2.19	2.17	2.27	2.25	4.37	5.06	4.89	3.54	2.69	2.44	2.23	2.04		
10	2.19	2.16	2.36	2.25	4.37	5.00	4.89	3.50	2.69	2.44	2.23	2.04		
11	2.21	2.18	2.25	2.25	4.36	4.97	4.99	3.47	2.66	2.43	2.23	2.04		
12	2.16	2.14	2.50	2.32	4.35	4.97	4.99	3.44	2.65	2.42	2.23	2.03		
13	2.19	2.13	2.54	2.37	4.34	5.00	4.89	3.40	2.64	2.41	2.23	2.01		
14	2.19	2.12	2.60	2.40	4.31	5.06	4.91	3.35	2.62	2.40	2.23	2.01		
15	2.19	2.12	2.67	2.49	4.26	5.13	4.94	3.29	2.62	2.39	2.22	2.01		
16	2.19	2.13	2.63	2.57	4.23	5.15	4.97	3.26	2.61	2.39	2.21	1.99		
17	2.19	2.13	2.78	2.61	4.19	5.16	5.00	3.22	2.60	2.39	2.21	1.99		
18	2.19	2.13	2.78	2.64	4.19	5.13	5.00	3.17	2.59	2.39	2.20	1.99		
19	2.19	2.16	2.93	2.65	4.20	5.11	4.97	3.13	2.59	2.39	2.20	1.99		
20	2.19	2.16	2.95	2.66	4.21	5.09	4.94	3.10	2.59	2.37	2.21	1.99		
21	2.17	2.17	2.94	2.71	4.24	5.06	4.90	3.05	2.56	2.36	2.20	1.99		
22	2.16	2.19	2.99	2.79	4.24	5.09	4.90	3.04	2.56	2.36	2.19	1.97		
23	2.13	2.19	2.95	2.99	4.27	5.13	4.78	3.01	2.55	2.35	2.19	1.97		
24	2.13	2.19	2.97	2.95	4.24	5.15	4.73	2.99	2.54	2.35	2.19	1.97		
25	2.13	2.19	2.97	4.02	4.24	5.15	4.66	2.95	2.52	2.35	2.17	1.95		
26	2.13	2.23	2.99	4.10	4.27	5.13	4.59	2.93	2.51	2.33	2.15	1.95		
27	1.99	2.22	3.00	4.15	4.29	5.10	4.43	2.90	2.52	2.32	2.15	1.97		
28	2.11	2.19	2.99	4.19	4.36	5.04	4.33	2.90	2.52	2.32	2.15	1.99		
29	2.10	2.19	2.99	4.22		4.94	4.19	2.86	2.51	2.32	2.13	1.97		
30	2.09	2.19	3.04	4.27		5.17	4.07	2.85	2.50	2.31	2.12	1.97		
31	2.05		3.12	4.31		4.92		2.82		2.30	2.12			
MEAN	2.15	2.15	2.63	2.60	4.30	5.03	4.77	3.29	2.63	2.40	2.21	2.01	3.09	
M	2.21	2.23	3.12	4.31	4.39	5.17	5.00	3.96	2.91	2.50	2.26	2.11	5.17	
MIN.	1.99	2.04	2.19	2.15	4.19	4.50	4.07	2.83	2.50	2.30	2.12	1.95	1.95	

*QMY*	ST.: 1-950 WATOPA PONTOON												YEAR: 1976/77	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	99.0	94.4	113.0	249.3	499.6	536.3	613.7	407.9	193.5	149.1	123.0	101.7		
2	99.0	94.4	113.0	254.0	499.9	574.7	609.5	391.3	191.6	147.5	122.0	101.0		
3	100.0	95.0	113.0	261.0	499.9	612.0	611.2	371.9	197.9	145.5	122.0	99.3		
4	100.6	99.3	114.1	261.5	492.6	644.5	617.8	362.2	196.6	146.3	120.9	99.3		
5	106.7	97.7	111.3	262.6	501.5	679.1	625.3	349.7	193.9	147.1	120.2	99.7		
6	108.5	102.0	111.3	271.8	507.4	696.2	626.9	342.3	193.4	145.1	119.1	97.7		
7	108.9	104.4	111.3	272.9	502.2	719.3	630.3	333.1	190.7	144.3	116.6	97.7		
8	111.3	115.9	112.0	266.9	502.9	699.9	630.3	327.6	179.0	142.7	115.9	95.1		
9	111.3	109.5	120.2	265.3	503.7	695.7	635.3	321.1	176.3	141.1	115.9	94.4		
10	111.3	107.9	131.4	265.9	502.2	669.4	637.9	312.0	173.6	141.1	115.5	94.4		
11	112.0	107.1	117.3	269.5	500.0	659.0	634.4	305.7	171.9	139.5	115.5	94.1		
12	107.0	105.4	149.1	277.9	498.5	661.5	635.3	300.0	170.1	139.4	114.9	92.8		
13	109.5	104.4	154.0	297.4	494.9	670.1	639.6	293.6	169.0	137.6	114.9	91.2		
14			162.4	294.2	499.9	694.9	642.9	283.5	166.3	136.4	114.9	91.2		
15	111.3	102.3	173.2	319.4	476.4	705.0	651.3	273.5	165.0	134.9	113.7	90.6		
16	111.3	104.4	166.7	325.2	489.2	712.1	661.5	266.9	164.5	134.1	113.0	89.3		
17	111.3	104.4	199.9	333.1	460.6	713.9	669.4	259.9	162.0	133.2	113.0	89.7		
18	111.3	104.4	199.9	339.9	456.3	706.0	669.4	251.9	161.6	134.5	112.0	89.4		
19	111.3	107.9	195.9	342.9	461.3	699.9	661.5	245.1	161.6	133.2	111.6	89.1		
20	111.3	107.9	199.5	343.5	464.9	692.7	651.3	239.9	159.9	132.2	113.0	89.1		
21	109.5	109.5	199.1	353.4	470.7	685.7	640.3	231.2	157.4	131.4	112.3	87.7		
22	105.0	111.3	205.2	360.6	472.1	692.7	613.7	229.7	157.4	130.6	111.3	86.5		
23	104.4	111.3	215.9	369.3	477.9	705.9	607.9	225.7	155.7	129.5	110.2	86.5		
24	104.4	111.3	217.9	382.8	470.7	712.1	595.7	221.2	154.9	129.5	109.5	86.5		
25	104.4	111.3	219.9	420.1	471.4	719.3	577.1	215.3	153.2	131.0	109.5	86.2		
26	104.4	114.9	219.7	438.7	477.9	705.9	555.0	212.4	151.2	129.9	107.9	85.3		
27	97.4	112.7	222.7	449.2	493.7	697.1	517.2	209.1	153.2	126.5	107.0	87.1		
28	92.0	110.6	221.2	457.7	501.5	678.9	492.6	204.7	152.0	125.7	106.7	88.1		
29	101.0	109.5	221.2	466.3		651.3	457.7	200.9	150.2	125.7	104.4	86.5		
30	99.3	110.2	230.2	479.4		716.6	431.0	199.0	149.1	125.4	103.0	86.5		
31	95.4		243.0	487.4		620.3		197.2		123.5	102.7			
MEAN	105.7	106.1	169.7	337.0	494.9	676.0	609.0	276.9	167.4	135.9	113.0	91.6	271.4	
M	112.0	115.9	243.0	407.4	507.4	716.6	669.4	407.9	193.5	149.1	122.0	101.7	716.6	
MIN.	87.4	94.4	111.3	249.3	456.3	536.3	431.0	197.2	149.1	123.5	102.7	85.3	85.3	

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2  
 [Flow Regime (m3/s)]:  
 Q(1day): 421.0    Q(195day): 162.0    Q(275day): 111.3    Q(355day): 90.1

MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge

ST. : 1-950 WATOPA PONTOON	YEAR : 1977/78												[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.96	1.92	2.12	3.29	3.74	4.09	7.50	6.45	3.50	2.07	2.65	2.30	2.30
2	1.95	1.92	2.09	3.29	3.72	4.02	7.70	6.40	3.44	2.05	2.64	2.30	2.30
3	1.95	1.92	2.04	3.29	4.03	4.02	7.70	6.31	3.42	2.04	2.63	2.30	2.30
4	1.94	1.90	2.13	3.31	4.36	5.22	7.05	6.22	3.29	2.03	2.62	2.35	2.35
5	1.94	1.07	2.15	3.32	4.45	5.39	7.09	6.04	3.35	2.02	2.62	2.35	2.35
6	1.94	1.07	2.19	3.29	4.56	5.37	7.92	5.77	3.32	2.01	2.60	2.35	2.35
7	1.94	1.07	2.24	3.26	4.65	5.43	7.69	5.50	3.29	2.00	2.59	2.35	2.35
8	1.94	1.06	2.29	3.26	4.70	5.46	7.75	5.40	3.20	2.00	2.50	2.35	2.35
9	1.95	1.05	2.34	3.26	4.75	5.47	7.80	5.24	3.24	2.00	2.50	2.35	2.35
10	1.95	1.04	2.35	3.23	4.57	5.40	7.00	5.06	3.22	2.07	2.56	2.35	2.35
11	1.95	1.04	2.60	3.23	4.43	5.33	7.77	4.97	3.19	2.07	2.56	2.30	2.30
12	1.95	1.05	2.64	3.23	4.40	5.30	7.71	4.90	3.16	2.07	2.55	2.31	2.31
13	1.92	1.05	2.55	3.23	4.42	5.37	7.59	4.79	3.14	2.06	2.54	2.30	2.30
14	1.92	1.07	2.69	3.23	4.45	5.49	7.47	4.67	3.12	2.05	2.53	2.26	2.26
15	1.91	1.09	2.01	3.26	4.49	5.64	7.41	4.56	3.10	2.04	2.51	2.24	2.24
16	1.90	1.09	2.93	3.26	4.51	5.76	7.25	4.43	3.09	2.04	2.50	2.23	2.23
17	1.87	1.09	2.97	3.41	4.54	5.99	7.13	4.32	3.06	2.02	2.50	2.23	2.23
18	1.87	1.10	2.99	3.57	4.54	5.99	7.00	4.21	3.05	2.02	2.49	2.23	2.23
19	1.86	1.11	3.04	3.76	4.53	6.07	6.81	4.13	3.03	2.01	2.49	2.23	2.23
20	1.86	1.13	3.08	3.82	4.39	6.18	6.71	4.04	3.02	2.00	2.47	2.21	2.21
21	1.86	1.14	3.10	3.88	4.51	6.25	6.62	3.99	2.99	2.00	2.46	2.20	2.20
22	1.84	1.17	3.11	4.02	4.40	6.37	6.55	3.91	2.98	2.00	2.45	2.19	2.19
23	1.85	1.19	3.12	4.04	4.20	6.51	6.49	3.86	2.96	2.00	2.44	2.17	2.17
24	1.86	1.20	3.15	4.03	4.34	6.69	6.46	3.82	2.95	2.00	2.44	2.17	2.17
25	1.86	1.21	3.16	4.09	4.42	6.82	6.43	3.76	2.93	2.00	2.43	2.14	2.14
26	1.87	1.22	3.19	3.96	4.51	6.96	6.40	3.72	2.93	2.00	2.42	2.11	2.11
27	1.87	2.04	3.22	3.92	4.65	7.04	6.42	3.69	2.91	2.00	2.42	2.12	2.12
28	1.92	2.07	3.22	3.85	4.70	7.16	6.47	3.63	2.90	2.00	2.41	2.10	2.10
29	1.94	2.08	3.22	3.80	4.79	7.29	6.49	3.60	2.89	2.00	2.40	2.10	2.10
30	1.92	2.09	3.26	3.74	4.88	7.45	6.50	3.57	2.87	2.00	2.39	2.09	2.09
31	1.92	2.10	3.29	3.77	4.97	7.59	6.53	3.53	2.86	2.00	2.38	2.09	2.09
MEAN	1.91	1.93	2.78	3.54	4.44	5.90	7.10	4.66	3.12	2.05	2.51	2.30	2.30
M.	1.96	2.09	3.29	4.04	4.70	7.50	7.92	6.45	3.50	2.07	2.65	2.30	2.30
MIN.	1.84	1.86	2.04	3.23	3.72	4.82	6.40	3.53	2.87	2.00	2.29	2.09	2.09

ST. : 1-950 WATOPA PONTOON	YEAR : 1977/78												[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	85.9	82.2	102.7	273.5	360.3	637.0	1595.6	1141.7	311.6	201.9	170.1	133.3	133.3
2	85.9	82.2	102.7	273.5	355.9	620.3	1649.2	1122.7	300.5	199.5	169.0	133.3	133.3
3	85.0	81.6	94.4	273.5	422.0	629.3	1693.1	1099.5	297.1	197.6	166.7	131.4	131.4
4	84.0	79.8	103.7	276.2	501.5	732.7	1717.4	1056.0	291.4	196.2	165.0	130.3	130.3
5	83.4	77.5	106.7	279.0	522.5	792.1	1735.4	992.9	284.6	194.0	165.0	129.5	129.5
6	83.4	77.5	111.1	273.5	549.5	777.5	1749.3	902.0	290.1	193.5	163.7	129.5	129.5
7	83.4	76.9	116.6	269.0	573.1	794.3	1643.0	841.0	272.4	192.5	161.6	129.5	129.5
8	84.0	76.0	122.8	269.0	586.0	803.7	1670.9	786.0	270.7	191.1	160.7	129.5	129.5
9	85.0	75.4	120.4	269.0	601.4	805.5	1694.1	739.0	264.7	190.9	159.5	129.5	129.5
10	85.0	74.0	130.3	262.6	553.4	786.0	1694.1	685.7	261.5	187.9	157.8	129.5	129.5
11	83.0	74.0	173.6	262.6	510.7	764.5	1680.4	659.0	256.2	187.9	157.4	127.6	127.6
12	83.1	76.0	160.0	262.6	500.9	757.2	1653.2	640.3	250.9	187.0	156.5	125.4	125.4
13	81.9	76.0	170.1	262.6	515.0	777.5	1599.6	612.0	246.7	185.7	154.0	120.9	120.9
14	81.9	77.2	175.4	262.6	522.5	813.1	1546.0	579.5	244.1	184.3	153.2	119.4	119.4
15	81.0	78.9	193.9	260.0	532.5	861.3	1520.7	551.1	240.4	183.4	151.2	116.3	116.3
16	79.5	79.9	211.4	260.0	537.9	900.0	1456.5	517.2	236.3	182.5	149.5	114.0	114.0
17	76.6	79.9	217.0	295.9	545.6	943.2	1406.2	490.3	232.0	180.7	149.1	114.0	114.0
18	76.0	79.0	221.2	325.2	545.6	974.1	1353.0	483.5	231.2	179.4	147.1	114.0	114.0
19	76.0	81.3	229.7	363.5	569.2	1005.5	1275.0	445.7	229.7	178.9	146.3	113.7	113.7
20	76.0	82.5	237.3	377.0	507.4	1035.3	1236.9	426.3	227.2	176.7	145.1	112.4	112.4
21	76.0	84.0	239.9	390.0	537.9	1069.0	1205.5	412.6	221.2	175.4	144.3	112.0	112.0
22	74.6	86.5	241.5	421.5	530.2	1111.5	1179.1	396.6	220.2	170.9	142.3	111.3	111.3
23	75.1	85.0	243.0	424.9	480.1	1164.3	1154.1	386.7	216.2	170.9	141.1	109.0	109.0
24	76.0	85.9	247.7	422.0	494.0	1220.7	1145.1	376.3	214.0	170.9	141.1	109.5	109.5
25	76.0	86.5	253.0	416.7	515.0	1281.0	1132.0	365.4	211.9	170.9	139.9	105.0	105.0
26	76.0	92.2	255.6	407.9	537.9	1334.7	1122.7	357.2	211.4	170.9	139.1	102.0	102.0
27	77.2	94.4	259.9	397.9	574.7	1369.0	1130.5	349.4	209.5	175.4	139.1	102.3	102.3
28	81.9	97.7	259.9	382.0	607.9	1419.7	1140.5	337.4	206.6	174.5	137.6	101.0	101.0
29	83.4	98.3	261.5	373.1	647.1	1471.0	1156.4	331.3	205.2	173.6	136.4	100.6	100.6
30	81.9	100.0	267.5	360.3	694.0	1542.0	1159.0	325.2	202.0	171.9	135.2	99.3	99.3
31	81.9	100.0	273.5	366.7	750.0	1595.6	1159.0	319.1	200.0	170.1	133.7	99.3	99.3
MEAN	80.7	82.6	190.9	323.5	521.7	993.0	1436.6	603.2	244.9	194.0	150.9	117.9	117.9
M.	85.9	100.0	273.5	424.9	607.9	1595.6	1749.3	1141.7	311.6	201.9	170.1	133.3	133.3
MIN.	74.6	74.0	94.4	262.6	355.9	620.3	1122.7	319.1	202.0	170.1	133.7	99.3	99.3

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[Flow Regime (m3/s)]:

Q(5day): 517.2      Q(105day): 221.2      Q(275day): 129.5      Q(365day): 76.0

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

*WLM*		ST.: 1-950 WATOPA PONTOON												YEAR: 1970/79		[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	2.07	2.10	2.60	4.09	4.09	5.59	7.71	4.60	3.24	2.08	2.52	2.44				
2	2.07	2.05	2.69	4.12	4.09	5.79	7.04	4.60	3.23	2.05	2.62	2.42				
3	2.06	2.05	2.72	4.10	4.05	5.05	7.96	4.52	3.20	2.05	2.59	2.41				
4	2.04	2.05	2.74	4.33	4.00	5.90	8.04	4.42	3.17	2.03	2.59	2.39				
5	2.04	2.19	2.74	4.22	4.91	6.07	8.09	4.34	3.16	2.03	2.59	2.30				
6	2.04	2.23	2.77	4.18	4.92	6.13	8.11	4.25	3.16	2.03	2.59	2.30				
7	2.03	2.26	2.84	4.19	4.94	6.25	8.06	4.16	3.15	2.01	2.59	2.30				
8	2.01	2.26	2.91	4.25	4.95	6.34	7.97	4.00	3.11	2.00	2.56	2.30				
9	2.01	2.36	2.02	4.27	4.96	6.40	7.97	4.01	3.11	2.00	2.56	2.35				
10	2.01	2.40	3.07	4.45	4.97	6.49	7.77	3.96	3.08	2.00	2.56	2.35				
11	2.01	2.30	3.14	4.54	5.00	6.52	7.66	3.89	3.05	2.00	2.53	2.32				
12	2.01	2.47	3.20	4.63	4.94	6.60	7.53	3.84	3.05	2.79	2.53	2.32				
13	2.01	2.56	3.24	4.71	4.92	6.64	7.42	3.70	3.03	2.77	2.50	2.32				
14	2.01	2.56	3.21	4.74	4.89	6.73	7.42	3.73	3.01	2.77	2.50	2.31				
15	2.01	2.60	3.27	4.76	4.87	6.71	7.13	3.69	3.00	2.76	2.50	2.30				
16	2.03	2.65	3.44	4.77	4.86	6.71	6.87	3.66	2.99	2.74	2.50	2.29				
17	2.02	2.65	3.60	4.76	4.85	6.69	6.64	3.61	2.99	2.74	2.50	2.27				
18	2.04	2.60	3.62	4.75	4.83	6.65	6.36	3.50	2.96	2.74	2.50	2.26				
19	2.04	2.71	3.58	4.73	4.80	6.63	5.95	3.54	2.95	2.74	2.50	2.26				
20	2.04	2.71	3.55	4.70	4.91	6.61	5.95	3.53	2.95	2.74	2.50	2.26				
21	2.04	2.71	3.54	4.67	4.92	6.60	5.47	3.49	2.93	2.74	2.50	2.23				
22	2.01	2.71	3.53	4.59	4.93	6.66	5.30	3.46	2.93	2.73	2.50	2.23				
23	2.01	2.69	3.51	4.52	4.97	6.72	5.20	3.44	2.92	2.71	2.50	2.23				
24	2.01	2.60	3.51	4.47	5.05	6.79	5.11	3.42	2.91	2.71	2.10	2.23				
25	2.01	2.60	3.54	4.45	5.12	6.86	5.01	3.41	2.90	2.71	2.47	2.21				
26	2.01	2.65	3.62	4.51	5.24	6.90	4.85	3.37	2.90	2.69	2.47	2.19				
27	2.01	2.65	3.63	4.56	5.33	6.90	4.69	3.32	2.90	2.69	2.47	2.19				
28	2.03	2.65	3.92	4.60	5.46	7.10	4.62	3.31	2.89	2.67	2.47	2.19				
29	2.07	2.70	3.91	4.69		7.20	4.79	3.29	2.87	2.65	2.47	2.17				
30	2.09	2.71	3.75	4.79		7.38	4.74	3.28	2.87	2.64	2.44	2.16				
31	2.10		4.05	4.95		7.52		3.26		2.63	2.44					
MEAN	2.03	2.49	3.32	4.52	4.97	6.59	6.61	3.77	3.02	2.76	2.52	2.22	2.73			
M.	2.10	2.71	4.05	4.85	5.46	7.52	8.11	4.60	3.24	2.05	2.52	2.44	8.11			
MIN.	2.01	2.05	2.69	4.09	4.02	5.59	4.74	3.26	2.97	2.63	2.44	2.16	2.01			

*QM*		ST.: 1-950 WATOPA PONTOON												YEAR: 1970/79		[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	97.7	101.0	174.5	426.6	634.4	846.7	1850.5	501.1	264.2	200.9	165.0	141.1				
2	97.7	94.7	175.0	444.3	634.4	910.0	1711.9	559.7	251.5	199.5	165.0	139.2				
3	96.4	94.7	180.7	455.3	626.1	931.0	1763.2	541.7	257.2	199.5	161.6	137.2				
4	94.4	94.7	183.4	460.5	634.4	972.1	1802.6	515.0	251.9	197.2	161.5	135.2				
5	94.4	111.3	193.4	467.0	642.0	1005.5	1823.0	496.3	250.9	197.2	161.5	131.3				
6	94.4	114.9	197.9	457.7	647.1	1024.5	1833.0	474.3	250.9	196.2	161.5	133.3				
7	92.0	110.4	199.1	460.6	651.3	1057.6	1812.5	452.0	249.3	193.9	159.5	133.3				
8	91.2	119.5	209.0	473.5	655.6	1100.5	1770.2	435.3	241.5	192.5	157.4	133.3				
9	91.2	130.6	226.7	479.4	657.3	1122.7	1725.7	419.1	241.5	192.5	157.4	129.5				
10	91.5	136.0	235.3	522.5	659.0	1159.1	1680.4	407.9	236.3	192.5	157.4	129.5				
11	91.2	132.3	246.7	545.6	660.4	1167.7	1630.3	391.3	232.0	191.6	152.2	125.7				
12	91.2	145.1	257.2	562.2	651.3	1197.5	1573.1	380.0	231.2	190.2	152.2	125.7				
13	91.2	157.4	264.2	589.2	630.6	1219.6	1527.2	360.6	229.7	187.9	149.1	125.7				
14	91.2	157.4	276.2	590.1	630.6	1246.3	1410.7	359.1	225.2	187.9	149.1	125.0				
15	91.2	162.0	280.5	602.2	631.9	1230.1	1406.2	349.7	222.7	185.7	149.1	123.1				
16	92.0	170.1	281.7	605.4	630.3	1230.1	1299.7	343.5	221.2	183.4	149.1	123.0				
17	92.5	179.1	331.3	604.1	626.1	1221.1	1211.3	324.3	220.2	183.4	149.1	120.2				
18	94.4	174.5	330.6	599.7	621.9	1214.0	1106.0	327.0	216.3	183.4	149.1	118.4				
19	94.4	179.9	329.2	595.7	634.4	1207.0	921.0	319.3	216.3	183.4	149.1	119.4				
20	94.4	179.9	322.2	597.6	642.0	1202.1	931.0	319.1	215.3	183.4	149.1	118.4				
21	94.4	179.9	319.3	570.7	647.1	1196.3	889.4	310.4	211.4	183.4	149.1	114.0				
22	91.2	179.9	318.1	557.3	647.9	1219.4	757.2	304.6	211.4	181.2	149.1	114.0				
23	91.2	174.5	314.5	539.4	659.0	1244.0	725.5	301.7	210.5	179.9	149.1	114.0				
24	91.2	174.5	313.4	526.3	663.1	1250.7	701.5	297.7	209.5	179.9	147.1	114.0				
25	91.5	174.5	319.3	522.5	703.3	1296.1	672.7	294.0	206.6	179.0	145.1	113.0				
26	91.5	179.1	337.4	530.6	739.0	1314.2	655.6	287.4	206.6	174.9	145.1	111.3				
27	91.5	179.1	379.5	550.3	766.4	1344.5	639.6	279.0	206.6	174.5	145.1	111.3				
28	93.4	179.1	391.3	561.3	803.7	1393.7	621.9	276.2	205.7	172.7	145.1	111.3				
29	97.7	175.7	395.9	595.2		1482.3	612.0	273.5	201.9	170.1	145.1	109.0				
30	100.0	179.9	382.2	609.5		1507.0	597.3	273.5	201.9	169.0	141.1	107.0				
31	101.0		427.0	627.0		1573.1		260.0		167.1	141.1					
MEAN	93.6	149.7	203.5	540.7	659.9	1197.4	1246.7	372.3	226.9	185.5	152.0	122.0	424.1			
M.	101.0	179.9	427.0	627.0	803.7	1573.1	1833.0	501.1	264.2	200.9	165.0	141.1	1833.0			
MIN.	91.2	94.7	174.5	426.6	621.9	846.7	597.3	260.0	201.9	167.1	141.1	107.0	91.2			

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^{2.2}$

[Flow Regime (m3/s)]:

Q(5day): 590.1      Q(195day): 231.2      Q(275day): 149.1      Q(355day): 91.5

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

*HM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1979/80	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	2.16	2.29	3.09	4.80	3.79	4.45	4.89	4.53	3.00	2.68	2.44	2.29		
2	2.16	2.26	3.14	4.85	3.90	4.48	4.81	4.40	2.97	2.66	2.44	2.29		
3	2.15	2.26	3.19	4.88	3.95	4.51	4.89	4.29	2.96	2.65	2.44	2.29		
4	2.13	2.27	3.26	4.83	4.01	4.56	4.71	4.19	2.96	2.65	2.44	2.29		
5	2.13	2.26	3.19	4.79	4.07	4.66	4.65	4.10	2.93	2.64	2.44	2.27		
6	2.10	2.26	3.40	4.79	4.08	4.73	4.61	3.99	2.93	2.63	2.44	2.26		
7	2.10	2.23	3.46	4.77	4.13	4.86	4.56	3.92	2.90	2.62	2.44	2.26		
8	2.10	2.26	3.53	4.80	4.24	4.89	4.54	3.83	2.90	2.62	2.42	2.26		
9	2.10	2.26	3.59	4.85	4.40	4.94	4.51	3.73	2.89	2.62	2.42	2.26		
10	2.10	2.24	3.44	4.83	4.53	4.98	4.53	3.69	2.87	2.61	2.42	2.25		
11	2.09	2.23	3.81	4.80	4.68	5.04	4.57	3.61	2.85	2.59	2.40	2.24		
12	2.07	2.27	3.90	4.75	4.79	5.09	4.62	3.55	2.83	2.59	2.39	2.23		
13	2.10	2.35	3.84	4.69	4.89	5.15	4.68	3.51	2.83	2.59	2.39	2.23		
14	2.10	2.38	4.08	4.65	4.94	5.19	4.73	3.46	2.83	2.58	2.39	2.23		
15	2.10	2.40	4.15	4.59	4.97	5.21	4.78	3.41	2.81	2.57	2.38	2.23		
16	2.10	2.42	4.25	4.53	4.94	5.20	4.83	3.38	2.80	2.56	2.38	2.23		
17	2.13	2.45	4.34	4.42	4.92	5.18	4.85	3.35	2.80	2.56	2.36	2.23		
18	2.13	2.47	4.40	4.30	4.91	5.15	4.85	3.34	2.79	2.56	2.35	2.23		
19	2.16	2.51	4.47	4.19	4.88	5.11	4.85	3.29	2.77	2.55	2.35	2.23		
20	2.19	2.58	4.56	4.04	4.85	5.04	4.85	3.26	2.77	2.54	2.35	2.23		
21	2.19	2.64	4.65	3.78	4.80	5.01	4.88	3.23	2.77	2.53	2.33	2.23		
22	2.19	2.79	4.69	3.83	4.74	5.02	4.91	3.22	2.74	2.53	2.32	2.21		
23	2.23	2.87	4.68	3.76	4.66	5.04	4.92	3.18	2.73	2.53	2.32	2.19		
24	2.23	2.91	4.60	3.72	4.62	5.07	4.92	3.16	2.74	2.52	2.32	2.19		
25	2.19	2.97	4.54	3.69	4.57	5.10	4.91	3.13	2.73	2.51	2.32	2.18		
26	2.19	3.02	4.51	3.35	4.53	5.12	4.86	3.11	2.71	2.50	2.32	2.16		
27	2.23	3.01	4.48	3.63	4.48	5.13	4.80	3.09	2.71	2.49	2.32	2.16		
28	2.23	3.00	4.47	3.64	4.47	5.10	4.74	3.08	2.71	2.48	2.32	2.18		
29	2.24	3.03	4.53	3.66	4.46	5.07	4.68	3.05	2.70	2.47	2.31	2.19		
30	2.27	3.05	4.62	3.70		5.02	4.57	3.05	2.68	2.47	2.29	2.13		
31	2.29		4.82	3.76		4.95		3.02		2.47	2.29			
MEAN	2.16	2.53	4.05	4.31	4.52	4.97	4.75	3.52	2.82	2.57	2.37	2.23	3.40	
MAX.	2.29	3.05	4.82	4.88	4.97	5.21	4.92	4.53	3.00	2.68	2.44	2.29	5.21	
MIN.	2.07	2.23	3.09	3.35	3.79	4.45	4.51	3.02	2.68	2.47	2.29	2.13	2.07	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1979/80	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	107.8	122.0	238.9	613.7	371.8	522.5	638.6	541.7	222.7	174.5	141.1	122.0		
2	107.8	118.4	246.7	626.1	394.6	530.2	616.1	511.2	218.8	171.4	141.1	122.0		
3	106.1	118.4	254.6	634.4	404.6	537.9	638.6	483.7	216.3	170.1	141.1	122.0		
4	104.4	120.2	268.0	621.9	418.1	549.5	589.2	459.9	216.3	170.1	141.1	122.0		
5	104.4	118.4	254.6	612.0	431.8	577.1	573.1	438.7	211.4	168.4	141.1	120.2		
6	101.0	118.4	293.1	609.5	435.3	595.7	563.6	414.7	211.4	167.1	141.1	119.5		
7	101.0	114.8	304.6	604.6	445.7	630.3	549.5	397.9	208.1	165.8	141.1	118.4		
8	101.0	118.4	318.1	613.7	470.7	638.6	545.6	378.2	206.6	165.8	139.1	118.4		
9	101.0	118.4	330.1	626.1	511.2	651.3	537.9	359.1	205.7	165.8	139.1	118.4		
10	101.0	116.6	301.7	621.9	541.7	664.1	541.7	349.7	201.9	163.7	138.4	117.3		
11	99.3	114.8	375.0	613.7	581.1	681.4	551.8	334.3	199.5	161.6	136.4	116.6		
12	97.7	120.2	394.6	599.7	609.5	694.5	565.2	322.2	197.2	161.6	135.2	114.8		
13	101.0	129.5	381.5	585.2	638.6	710.3	581.1	313.4	197.2	161.6	135.2	114.8		
14	101.0	134.1	433.9	573.1	651.3	723.7	595.7	304.6	197.2	160.7	134.5	114.8		
15	101.0	136.0	449.2	557.3	669.8	730.0	607.9	295.9	193.9	158.6	133.3	114.8		
16	101.0	138.4	474.3	541.7	651.3	725.5	621.9	290.2	192.5	157.4	133.3	114.8		
17	103.7	142.3	496.3	515.0	645.4	721.0	626.1	284.6	192.5	157.4	131.4	114.8		
18	104.4	145.1	511.2	485.2	642.8	712.1	626.1	281.8	190.2	157.4	129.5	114.8		
19	107.8	151.2	526.3	459.9	634.4	698.9	626.1	273.5	187.9	155.3	129.5	114.8		
20	110.6	159.5	549.5	424.9	626.1	681.4	626.1	268.0	187.9	154.5	129.5	114.8		
21	110.6	168.0	573.1	368.6	613.7	672.7	634.4	262.6	187.9	153.2	127.6	114.8		
22	111.3	190.2	585.2	378.2	597.3	675.3	642.8	259.9	183.4	153.2	125.7	113.0		
23	114.8	203.3	581.1	365.4	575.5	681.4	647.1	253.5	181.2	153.2	125.7	111.3		
24	114.8	209.0	561.3	355.9	565.2	688.3	645.4	249.8	183.4	152.4	125.7	111.3		
25	111.3	218.8	545.6	349.7	553.4	697.1	642.8	245.6	181.2	150.3	125.7	109.5		
26	111.3	226.2	537.9	284.6	541.7	703.3	630.3	241.5	178.9	149.1	125.7	107.8		
27	114.8	225.2	530.2	337.4	530.2	705.9	613.7	237.9	178.9	148.3	125.7	107.8		
28	114.8	222.7	528.6	339.2	528.6	697.1	597.3	236.3	178.9	146.3	125.7	109.5		
29	116.6	227.7	541.7	343.5	525.0	690.1	581.1	231.2	176.7	145.1	125.0	111.3		
30	120.2	231.2	565.2	352.8		675.3	553.4	231.2	174.5	145.1	122.0	104.4		
31	122.0		620.3	365.4		655.6		226.2		145.1	122.0			
MEAN	107.3	155.9	437.8	496.1	544.7	661.9	600.3	321.9	195.3	158.4	132.6	115.0	326.7	
MAX.	122.0	231.2	620.3	634.4	659.8	730.0	647.1	541.7	222.7	174.5	141.1	122.0	730.0	
MIN.	97.7	114.8	238.9	284.6	371.8	522.5	537.9	226.2	174.5	145.1	122.0	104.4	97.7	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [ Flow Regime (m3/s) ]:  
 Q(95day): 541.7      Q(185day): 226.2      Q(275day): 133.3      Q(355day): 101.0

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

*HM* ST.: 1-950 WATOPA PONTOON		YEAR : 1980/81											[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.13	2.23	2.74	3.27	3.92	4.82	6.63	3.73	2.90	2.59				
2	2.16	2.21	2.76	3.29	3.96	4.87	6.57	3.69	2.87	2.58				
3	2.16	2.20	2.76	3.32	4.02	4.97	6.51	3.70	2.87	2.56				
4	2.13	2.19	2.80	3.32	3.99	5.15	6.46	3.70	2.83	2.56				
5	2.13	2.18	2.83	3.32	4.01	5.18	6.46	3.69	2.83	2.56				
6	2.13	2.18	2.87	3.32	4.10	5.14	6.43	3.72	2.82	2.56				
7	2.13	2.17	2.88	3.32	4.08	5.08	6.40	3.66	2.80	2.55				
8	2.12	2.16	2.90	3.34	4.06	5.15	6.37	3.60	2.80	2.53				
9	2.11	2.18	2.87	3.30	4.02	5.15	6.32	3.57	2.77	2.53				
10	2.10	2.19	2.81	3.32	4.00	5.14	6.26	3.54	2.77	2.53				
11	2.10	2.19	2.77	3.32	3.99	5.18	6.20	3.49	2.71	2.51				
12	2.09	2.19	2.75	3.32	4.02	5.41	6.11	3.44	2.71	2.51				
13	2.09	2.20	2.74	3.33	4.05	5.59	6.02	3.41	2.71	2.51				
14	2.07	2.19	2.74	3.34	4.08	5.76	5.87	3.37	2.71	2.50				
15	2.06	2.19	2.73	3.33	4.11	5.87	5.75	3.32	2.71	2.50			2.15	
16	2.06	2.19	2.76	3.32	4.13	6.00	5.47	3.31	2.68	2.50			2.15	
17	2.04	2.17	2.80	3.29	4.16	6.13	5.12	3.25	2.68	2.47			2.13	
18	2.07	2.17	2.81	3.29	4.25	6.25	4.88	3.20	2.68	2.47			2.10	
19	2.07	2.19	2.82	3.30	4.30	6.36	4.77	3.17	2.68	2.47			2.10	
20	2.08	2.21	2.87	3.34	4.27	6.42	4.66	3.14	2.65	2.47			2.10	
21	2.10	2.24	2.91	3.43	4.33	6.46	4.54	3.11	2.65	2.47			2.09	
22	2.10	2.29	2.94	3.50	4.42	6.44	4.39	3.08	2.65	2.47			2.08	
23	2.13	2.37	2.96	3.51	4.49	6.46	4.24	3.05	2.64	2.46			2.07	
24	2.16	2.53	2.97	3.44	4.62	6.51	4.01	3.05	2.62	2.45			2.04	
25	2.19	2.60	2.99	3.43	4.69	6.55	4.18	3.02	2.62	2.44			2.04	
26	2.29	2.62	2.88	3.44	4.79	6.61	3.92	2.99	2.61	2.44			2.04	
27	2.38	2.67	3.09	3.47	4.82	6.64	3.86	2.96	2.61	2.44			2.04	
28	2.32	2.74	3.16	3.49	4.82	6.68	3.81	2.96	2.59	2.44			2.03	
29	2.32	2.77	3.23	3.55		6.71	3.78	2.93	2.59				2.02	
30	2.30	2.78	3.26	3.63		6.77	3.73	2.91	2.59				2.01	
31	2.29		3.26	3.81		6.69		2.90						
MEAN	2.15	2.31	2.89	3.39	4.23	5.87	5.32	3.31	2.71	2.50			2.08	3.40
MAX.	2.38	2.78	3.26	3.81	4.82	6.77	6.63	3.73	2.90	2.59			2.15	6.77
MIN.	2.04	2.16	2.73	3.27	3.92	4.82	3.73	2.90	2.59	2.44			2.01	2.01

*QM* ST.: 1-950 WATOPA PONTOON		YEAR : 1980/81											[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	104.4	114.8	183.4	269.6	397.9	617.8	1207.8	357.8	206.6	161.6	107.83	80.80		
2	107.8	113.0	185.7	273.5	406.6	632.8	1184.8	349.7	201.9	160.7	107.83	80.80		
3	107.8	112.3	185.7	279.0	420.1	659.8	1162.0	352.2	201.9	157.4	107.83	77.92		
4	104.4	110.6	192.5	278.5	413.3	710.3	1145.1	352.8	197.2	157.4	104.73	77.92		
5	104.4	109.9	197.2	279.0	418.1	721.0	1145.1	349.7	197.2	157.4	104.73	77.92		
6	104.4	109.5	201.9	277.9	438.7	707.7	1133.8	355.9	194.8	157.4	104.73	77.92		
7	104.4	108.1	204.2	279.0	435.3	692.7	1122.7	343.5	192.5	156.5	104.73	77.92		
8	102.7	107.4	206.6	281.8	430.4	712.1	1111.5	331.3	192.5	153.2	101.66	77.92		
9	102.0	109.5	201.9	275.1	421.5	710.3	1095.0	325.2	187.9	153.2	101.66	77.92		
10	101.0	110.2	193.9	279.0	416.7	707.7	1073.1	319.3	187.9	153.2	98.61	77.92		
11	101.0	110.6	187.9	279.0	414.7	719.2	1051.4	310.4	178.9	151.2	98.61	77.92		
12	100.0	111.3	184.8	279.0	420.1	789.6	1019.3	301.7	178.9	151.2	98.61	77.92		
13	99.3	111.6	183.4	280.7	427.0	846.7	987.6	295.9	178.9	150.3	95.58	75.06		
14	97.7	110.2	183.4	281.8	435.3	900.8	936.0	287.4	178.9	149.1	95.58	75.06		
15	96.4	110.9	181.2	280.7	442.2	936.0	895.8	279.0	178.9	149.1	92.58	106.7		
16	96.0	110.9	185.7	277.9	445.7	982.4	808.4	276.2	174.5	149.1	92.58	106.1		
17	94.4	108.5	192.5	273.5	452.8	1024.6	703.3	265.3	174.5	145.1	92.58	103.7		
18	97.7	108.1	193.9	273.5	472.8	1067.6	636.1	257.2	174.5	145.1	92.58	101.0		
19	97.7	110.2	194.8	275.1	485.2	1106.0	605.4	251.9	174.5	145.1	89.60	101.0		
20	98.7	113.0	203.3	281.8	477.9	1128.3	577.1	246.7	170.1	145.1	89.60	101.0		
21	101.0	116.6	209.0	298.8	492.6	1146.2	545.6	241.5	170.1	145.1	89.60	100.0		
22	101.0	122.0	213.9	312.2	515.0	1137.2	507.4	236.3	170.1	145.1	89.60	98.7		
23	104.4	132.9	216.3	313.4	532.5	1145.1	470.7	231.2	168.0	144.3	89.60	97.0		
24	107.8	153.2	218.8	301.7	565.2	1162.0	418.1	231.2	165.8	143.1	86.64	94.4		
25	111.3	162.4	221.2	298.8	585.2	1179.1	456.3	226.2	165.8	141.1	86.64	94.4		
26	122.0	165.8	204.2	301.7	609.5	1199.8	397.9	221.2	163.7	141.1	83.71	94.4		
27	133.3	173.2	238.9	306.3	617.8	1213.6	384.7	216.3	163.7	141.1	83.71	94.4		
28	125.7	183.4	250.9	310.4	617.8	1228.7	375.0	216.3	161.6	141.1	83.71	92.8		
29	125.7	187.9	262.6	322.2		1236.9	368.6	211.4	161.6	107.8	83.71	92.8		
30	123.1	188.9	266.9	337.4		1260.4	359.1	209.0	161.6	107.8	80.80	91.2		
31	122.0		268.0	375.0		1231.1		206.6		107.8	80.80			
MEAN	106.4	126.6	206.9	291.4	471.7	952.1	796.2	279.2	179.2	145.6	94.2	88.7	310.3	
MAX.	133.3	188.9	268.0	375.0	617.8	1260.4	1207.8	357.8	206.6	161.6	107.8	106.7	1260.4	
MIN.	94.4	107.4	181.2	269.6	397.9	617.8	359.1	206.6	161.6	107.8	80.8	75.1	75.1	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [Flow Regime (m3/s)]:  
 Q(95day): 349.7      Q(185day): 187.9      Q(275day): 108.1      Q(355day): 77.9

\*\*\* MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge \*\*\*

*TIME*		ST.: 1-250 WATOPA PONTOON												YEAR : 1991/92		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	2.01	1.92	2.30	2.71	3.54	4.33	3.66	3.17	2.92	2.26	2.12	2.00					
2	2.01	1.92	2.35	2.71	3.57	4.31	3.60	3.14	2.59	2.26	2.12	2.00					
3	1.99	1.92	2.37	2.71	3.57	4.30	3.54	3.14	2.47	2.25	2.10	2.00					
4			2.39	2.73	3.57	4.34	3.54	3.00	2.47	2.25	2.10	2.00					
5	1.99	1.92	2.41	2.74	3.60	4.39	3.47	3.05	2.46	2.25	2.10	2.00					
6	1.99	1.92	2.41	2.74	3.60	4.39	3.47	3.02	2.45	2.24	2.10	2.00					
7	1.92	1.92	2.44	2.74	3.59	4.39	3.47	2.99	2.45	2.23	2.10	1.99					
8	1.90	1.92	2.44	2.74	3.61	4.36	3.44	2.97	2.41	2.23	2.09	1.99					
9	1.90	1.91	2.41	2.74	3.63	4.35	3.44	2.93	2.41	2.23	2.07	1.99					
10	1.90	1.97	2.44	2.74	3.60	4.40	3.41	2.90	2.41	2.23	2.07	1.97					
11	1.90	1.99	2.41	2.77	3.63	4.45	3.41	2.90	2.41	2.22	2.07	1.97					
12	1.90	1.99	2.38	2.79	3.72	4.49	3.38	2.93	2.39	2.21	2.07	1.96					
13	1.90	1.99	2.37	2.97	3.69	4.35	3.35	2.90	2.39	2.21	2.07	1.95					
14	1.90	1.90	2.35	2.90	3.69	4.52	3.32	2.79	2.39	2.20	2.07	1.95					
15	1.90	1.92	2.35	2.92	3.72	4.56	3.29	2.76	2.38	2.19	2.07	1.95					
16	1.90	1.92	2.35	2.95	3.70	4.61	3.29	2.74	2.37	2.19	2.07	1.94					
17	1.90	1.92	2.35	2.93	3.93	4.63	3.29	2.74	2.35	2.19	2.05	1.94					
18	1.90	1.95	2.35	2.95	3.93	4.64	3.32	2.73	2.35	2.20	2.04	1.93					
19	1.90	1.97	2.35	2.97	4.01	4.64	3.35	2.70	2.35	2.21	2.04	1.93					
20	1.97	1.99	2.35	3.00	4.15	4.63	3.35	2.69	2.34	2.20	2.04	1.91					
21	1.96	2.01	2.36	3.05	4.30	4.59	3.30	2.65	2.32	2.16	2.04	1.99					
22	1.90	2.06	2.38	3.12	4.36	4.52	3.30	2.65	2.30	2.16	2.04	1.99					
23	1.90	2.12	2.41	3.19	4.33	4.50	3.25	2.65	2.29	2.16	2.04	1.96					
24	1.95	2.13	2.41	3.14	4.31	4.40	3.25	2.63	2.29	2.19	2.04	1.96					
25	1.95	2.13	2.38	3.19	4.30	4.31	3.32	2.62	2.29	2.23	2.04	1.96					
26	1.95	2.13	2.38	3.25	4.30	4.22	3.26	2.59	2.29	2.19	2.03	1.94					
27	1.94	2.12	2.38	3.35	4.31	4.07	3.26	2.59	2.29	2.16	2.03	1.94					
28	1.93	2.13	2.38	3.41	4.33	3.99	3.23	2.56	2.28	2.15	2.03	1.93					
29	1.92	2.10	2.41	3.47	3.90	3.90	3.20	2.53	2.27	2.13	2.02	1.93					
30	1.92	2.23	2.50	3.49	3.90	3.90	3.17	2.52	2.27	2.13	2.01	1.93					
31	1.92		2.65	3.51		3.73		2.53		2.13	2.01						
MEAN	1.97	1.99	2.39	2.92	3.99	4.36	3.39	2.79	2.37	2.20	2.05	1.93	2.89				
MAX	2.01	2.23	2.65	3.51	4.36	4.64	3.66	3.17	2.53	2.25	2.12	2.00	4.64				
MIN	1.92	1.99	2.30	2.71	3.54	3.73	3.17	2.53	2.27	2.12	2.01	1.93	1.93				

*QCM*		ST.: 1-250 WATOPA PONTOON												YEAR : 1991/92		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	91.2	91.9	123.1	179.9	319.3	492.6	343.5	251.9	153.2	119.4	104.4	99.6					
2	91.2	91.9	129.5	179.9	325.2	490.9	331.3	246.7	149.1	119.4	104.4	99.6					
3	99.9	91.9	132.6	179.9	325.2	485.2	319.3	246.7	145.1	117.3	101.0	99.6					
4	99.1	91.9	134.5	181.2	325.2	495.3	319.3	236.3	145.1	117.3	101.0	99.6					
5	99.1	91.9	137.2	183.4	321.3	507.4	307.5	231.2	143.9	117.3	101.0	99.6					
6	99.1	91.9	137.2	183.4	331.3	507.4	307.5	226.2	143.1	116.6	101.0	99.6					
7	99.1	91.9	141.1	183.4	330.1	507.4	307.5	221.2	143.1	116.9	101.0	99.1					
8	99.1	91.9	141.1	183.4	334.3	500.0	301.7	210.0	137.2	114.9	99.2	99.1					
9	99.1	90.4	137.2	183.4	337.4	499.5	301.7	211.4	137.2	114.9	97.7	99.1					
10	99.1	95.5	141.1	193.4	331.3	511.2	295.9	206.6	137.2	114.9	97.7	96.5					
11	99.1	79.9	137.2	187.9	337.4	522.5	295.9	204.2	137.2	113.7	97.7	96.5					
12	99.1	79.9	133.3	190.2	355.9	532.5	290.2	197.2	133.3	113.0	97.7	95.9					
13	99.4	79.9	132.6	201.9	349.7	500.0	284.6	192.5	133.3	112.7	97.7	95.0					
14	99.4	79.9	129.5	206.6	349.7	540.2	279.0	190.2	133.3	112.3	97.7	95.0					
15	99.4	91.9	129.5	210.5	355.9	549.5	273.5	195.7	133.3	111.3	97.7	95.0					
16	99.1	91.9	129.5	216.3	369.6	563.6	273.5	193.4	132.2	111.3	97.7	93.4					
17	99.1	91.9	129.5	211.4	378.2	569.2	273.5	193.4	129.5	111.3	96.0	93.4					
18	99.1	95.0	129.5	216.3	401.2	570.0	279.0	191.2	129.5	112.3	94.4	92.9					
19	97.4	96.5	129.5	210.0	418.1	570.0	284.6	176.7	129.5	113.0	94.4	92.9					
20	96.5	99.1	129.5	223.7	449.2	569.2	284.6	174.5	129.4	112.3	94.4	91.3					
21	95.9	91.2	131.4	231.2	485.2	557.3	290.2	170.1	125.7	107.9	94.4	79.9					
22		96.0	133.3	244.1	500.0	541.7	290.2	170.1	123.9	107.9	94.4	79.9					
23	99.1	102.7	137.2	254.6	492.6	534.0	284.6	170.1	122.0	107.9	94.4	76.0					
24	95.0	104.4	137.2	246.7	488.9	511.2	284.6	167.1	122.0	111.3	94.4	76.0					
25	95.0	104.4	133.3	254.6	485.2	489.9	279.0	165.9	122.0	114.9	94.4	76.0					
26	95.0	104.4	133.3	265.3	485.2	467.0	269.0	161.6	122.0	111.3	92.9	74.6					
27	93.4	104.4	133.3	284.6	489.9	431.9	259.0	159.5	122.0	107.9	92.9	74.6					
28	92.9	104.4	133.3	294.9	492.6	411.3	262.6	157.4	122.0	106.1	92.9	73.1					
29	91.9	109.5	137.2	307.5		393.3	257.2	153.2	120.2	104.4	92.2	73.1					
30	91.9	115.9	149.1	319.4		373.7	251.9	153.2	120.2	104.4	91.2	73.1					
31	91.9		170.1	313.4		359.1		153.2		104.4	90.6						
MEAN	97.0	99.4	125.3	232.9	391.9	501.6	309.7	191.9	132.5	112.1	96.7	92.9	193.4				
MAX	91.2	115.9	170.1	313.4	500.0	570.0	343.5	251.9	153.2	119.4	104.4	99.6	570.0				
MIN	91.9	79.9	123.1	179.9	319.3	359.1	251.9	153.2	120.2	104.4	90.6	73.1	73.1				

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[Flow Regime (m3/s)]:

Q(1day): 254.6      Q(105day): 133.3      Q(279day): 94.4      Q(355day): 79.9

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

*TIM*	ST. : 1-950	WATOPA PONTOON												YEAR : 1992/93	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.03	2.04	2.55	3.17	3.25	3.55	4.50	3.15	2.51	2.31	2.22	2.07			
2	1.01	2.01	2.64	3.17	3.33	3.49	4.59	3.13	2.51	2.30	2.19	2.07			
3	1.01	2.01	2.69	3.14	3.41	3.43	4.64	3.09	2.51	2.30	2.19	2.04			
4	1.01	2.02	2.82	3.14	3.43	3.40	4.66	3.05	2.49	2.29	2.19	2.04			
5	1.01	1.97	2.97	3.10	3.44	3.62	4.63	3.03	2.47	2.29	2.19	2.03			
6	1.01	1.95	3.01	3.05	3.44	3.50	4.59	3.00	2.47	2.29	2.19	2.04			
7	1.01	1.97	3.03	3.03	3.46	3.54	4.50	2.97	2.47	2.29	2.19	2.04			
8	1.01	1.97	3.05	2.90	3.40	3.52	4.42	2.93	2.47	2.29	2.19	2.04			
9	1.01	1.90	3.04	2.94	3.53	3.44	4.27	2.93	2.45	2.29	2.19	2.02			
10	1.01	2.00	3.01	2.95	3.60	3.44	4.24	2.92	2.44	2.29	2.19	2.01			
11	1.01	2.00	2.99	3.00	3.70	3.46	4.24	2.90	2.42	2.29	2.19	2.01			
12	1.02	2.00	2.99	3.03	3.73	3.54	3.95	2.90	2.41	2.29	2.16	2.01			
13	1.02	2.00	3.07	3.05	3.76	3.54	3.96	2.89	2.41	2.29	2.16	2.01			
14	1.03	1.90	3.19	3.05	3.79	3.50	3.92	2.86	2.41	2.29	2.15	2.01			
15	1.04	2.00	3.22	3.06	3.93	3.34	3.79	2.83	2.41	2.29	2.15	2.01			
16	1.07	2.04	3.25	3.09	3.94	3.45	3.75	2.82	2.39	2.29	2.15	2.01			
17	1.09	2.04	3.31	3.20	3.93	3.50	3.73	2.80	2.38	2.27	2.13	2.01			
18	1.91	2.06	3.23	3.05	3.79	3.55	3.73	2.80	2.40	2.27	2.13	2.00			
19	1.94	2.09	3.40	3.05	3.70	3.65	3.75	2.77	2.41	2.26	2.13	2.00			
20	1.95	2.10	3.40	3.05	3.79	3.79	3.75	2.74	2.41	2.26	2.13	1.99			
21	1.90	2.14	3.23	3.05	3.91	3.97	3.73	2.74	2.30	2.26	2.12	1.90			
22	1.90	2.16	3.22	3.05	3.92	3.92	3.70	2.71	2.35	2.26	2.12	1.97			
23	1.90	2.17	3.15	3.05	3.93	3.90	3.64	2.69	2.33	2.26	2.10	1.95			
24	1.92	2.20	3.11	3.07	3.92	4.02	3.59	2.65	2.35	2.25	2.10	1.95			
25	2.01	2.26	3.11	3.12	3.79	4.05	3.51	2.64	2.33	2.24	2.10	1.94			
26	2.01	2.30	3.11	3.22	3.76	4.04	3.47	2.62	2.33	2.24	2.10	1.94			
27	2.04	2.30	3.12	3.22	3.70	4.02	3.43	2.61	2.32	2.23	2.09	1.92			
28	2.09	2.30	3.14	3.19	3.64	4.07	3.34	2.58	2.32	2.23	2.09	1.94			
29	2.10	2.52	3.16	3.19		4.07	3.29	2.56	2.32	2.23	2.07	1.95			
30	2.10	2.53	3.20	3.15		4.08	3.22	2.55	2.32	2.23	2.07	1.95			
31	2.10		3.20	3.10		4.04		2.53		2.23	2.07				
MEAN	1.91	2.11	3.09	3.09	3.66	3.70	3.94	2.82	2.41	2.27	2.14	2.00	2.75		
M	2.10	2.52	3.40	3.22	3.94	4.08	4.66	3.15	2.51	2.31	2.22	2.07	4.66		
MIN.	1.01	1.95	2.55	2.94	3.25	3.34	3.22	2.53	2.32	2.23	2.07	1.92	1.01		

*QM*	ST. : 1-950	WATOPA PONTOON												YEAR : 1992/93	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	73.1	94.4	156.1	251.9	265.3	322.2	534.0	249.3	151.2	125.0	114.1	97.7			
2	71.2	91.2	160.0	251.9	280.7	310.4	557.3	245.6	151.2	123.9	111.3	97.0			
3	71.7	91.2	174.5	246.7	294.0	290.0	571.5	230.9	151.2	122.1	111.3	94.4			
4	71.7	91.0	194.0	246.7	290.0	293.1	575.5	231.2	140.3	122.0	111.3	94.4			
5	71.7	87.1	210.0	240.4	301.7	336.1	569.2	220.7	145.1	122.0	111.3	92.0			
6	71.7	85.0	225.7	231.2	301.7	327.0	557.3	222.7	145.1	122.0	111.3	94.4			
7	71.7	85.5	220.7	220.7	304.6	319.3	534.0	217.0	145.1	122.0	111.3	94.4			
8	71.7	85.5	231.2	220.2	309.2	316.3	515.0	211.4	145.1	122.0	111.3	93.0			
9	71.7	80.1	230.2	213.9	310.1	301.7	477.9	211.4	143.1	122.0	111.3	92.2			
10	71.7	80.1	225.2	215.3	331.3	301.7	470.7	210.5	141.1	122.0	111.3	91.2			
11	71.7	89.6	221.2	222.7	351.6	304.6	470.7	206.6	139.1	122.0	109.5	91.2			
12	72.6	89.6	221.2	227.7	359.1	319.3	404.6	206.6	137.2	122.0	107.0	91.2			
13	73.1	89.6	224.0	231.2	364.1	319.3	398.7	205.7	137.2	122.0	107.0	91.2			
14	73.1	88.1	254.6	231.2	370.5	320.2	377.0	200.9	137.2	122.0	106.1	91.2			
15	74.6	90.3	261.0	233.0	380.2	320.0	370.5	196.2	137.2	122.0	106.1	91.2			
16	77.5	94.4	265.3	236.3	391.5	303.4	362.2	194.0	135.2	122.0	106.1	91.2			
17	70.9	94.4	276.2	257.2	370.2	312.2	359.1	192.5	133.3	120.2	104.4	91.2			
18	91.0	96.0	259.9	231.2	370.5	222.2	359.1	191.6	136.4	120.2	104.4	89.6			
19	93.4	100.0	292.1	231.2	368.6	342.3	362.2	197.9	137.2	119.4	104.4	89.6			
20	95.0	101.0	293.1	231.2	370.5	371.0	362.2	192.4	137.2	119.4	103.7	89.7			
21	99.1	105.0	262.6	231.2	375.0	398.0	359.1	193.4	133.3	119.4	102.7	89.1			
22	99.1	107.0	259.9	231.2	377.0	397.9	351.6	178.9	129.5	119.4	102.7	86.5			
23	99.1	108.5	249.3	231.2	370.2	411.3	340.4	173.6	127.6	119.4	101.0	85.0			
24	99.0	112.0	242.0	235.3	377.0	421.5	330.1	170.1	129.5	117.7	101.0	85.0			
25	91.2	119.1	241.5	245.6	370.5	420.3	315.1	169.0	127.6	116.6	101.0	84.3			
26	91.2	123.9	241.5	261.5	364.1	424.9	307.5	165.0	126.9	116.6	100.3	83.4			
27	93.0	133.3	243.0	261.5	352.0	421.5	290.0	163.7	125.7	115.9	99.3	81.9			
28	99.3	133.3	246.7	255.1	340.4	431.1	291.9	160.7	125.7	114.0	99.7	83.4			
29	101.0	152.2	250.9	253.5		431.0	270.7	157.4	125.7	114.0	97.7	85.0			
30	101.0	152.2	257.2	249.3		435.3	259.9	156.5	125.7	114.0	97.7	85.0			
31	100.3		257.2	254.0		424.9		153.2		114.0	97.7				
MEAN	81.3	102.4	239.2	230.4	344.1	353.2	409.7	195.7	137.0	119.9	105.6	99.9	200.3		
M	101.0	152.2	293.1	261.5	391.5	435.3	575.5	249.3	151.2	125.0	114.1	97.7	575.5		
MIN.	71.2	95.0	156.1	213.9	265.3	281.0	259.9	153.2	125.7	114.0	97.7	81.9	71.2		

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$   
 [Flow Regime (m3/s)]:  
 Q(5day): 261.5      Q(10day): 151.2      Q(275day): 102.7      Q(365day): 72.6



<<< MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>>

*MIM*		ST.: 1-950 WATOPA PONTOON											YEAR: 1993/04	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.95	2.73	2.20	2.53	2.00	3.42	3.05	2.44	2.04	1.97	1.09	1.77		
2	1.95	2.73	2.23	2.53	2.03	3.42	3.05	2.44	2.04	1.97	1.09	1.77		
3	1.95	2.73	2.26	2.54	2.07	3.41	3.08	2.44	2.01	1.95	1.07	1.77		
4	1.95	2.71	2.26	2.55	2.05	3.35	3.10	2.41	2.01	1.95	1.07	1.77		
5	1.95	2.69	2.26	2.61	2.03	3.32	3.22	2.41	2.01	1.95	1.06	1.75		
6	1.94	2.50	2.26	2.69	2.77	3.32	3.26	2.41	2.01	1.95	1.06	1.75		
7	1.94	2.57	2.27	2.71	2.77	3.30	3.25	2.41	2.01	1.95	1.06	1.74		
8	1.94	2.52	2.27	2.71	2.77	3.29	3.20	2.41	1.99	1.95	1.06	1.74		
9	1.92	2.40	2.29	2.73	2.70	3.29	3.15	2.40	1.99	1.95	1.05	1.71		
10	1.92	2.44	2.29	2.02	2.75	3.31	3.12	2.39	1.99	1.94	1.05	1.71		
11	1.92	2.42	2.29	2.91	2.70	3.44	3.06	2.39	1.99	1.94	1.05	1.71		
12	1.92	2.42	2.29	2.91	2.03	3.57	3.00	2.36	1.99	1.94	1.05	1.71		
13	1.92	2.42	2.29	2.92	2.92	3.55	2.97	2.33	1.99	1.94	1.04	1.71		
14	1.92	2.41	2.29	2.99	2.95	3.50	2.91	2.33	1.99	1.94	1.04	1.71		
15	1.92	2.41	2.31	2.92	2.97	3.43	2.97	2.32	1.99	1.94	1.03	1.71		
16	1.92	2.39	2.34	2.97	3.00	3.22	2.97	2.29	2.01	1.93	1.03	1.72		
17	1.93	2.39	2.37	3.03	3.19	3.32	2.96	2.29	1.99	1.92	1.03	1.72		
18	1.95	2.36	2.40	3.09	3.23	3.29	2.93	2.29	1.99	1.92	1.03	1.71		
19	1.95	2.36	2.45	3.13	3.23	3.22	2.79	2.20	1.99	1.92	1.03	1.69		
20	1.98	2.41	2.46	3.13	3.21	3.15	2.74	2.25	1.99	1.92	1.01	1.69		
21	2.04	2.13	2.55	3.09	3.20	3.12	2.71	2.23	1.99	1.92	1.00	1.69		
22	2.05	2.10	2.55	3.03	3.21	3.15	2.69	2.23	1.99	1.91	1.00	1.69		
23	2.07	2.11	2.55	2.97	3.24	3.22	2.65	2.22	1.99	1.91	1.00	1.69		
24	2.11	2.13	2.55	2.92	3.26	3.20	2.82	2.19	1.99	1.91	1.00	1.69		
25	2.15	2.13	2.53	2.89	3.26	3.21	2.59	2.19	1.99	1.90	1.00	1.69		
26			2.53	2.85	3.28	3.23	2.55	2.13	1.99	1.99	1.00	1.69		
27	2.19	2.13	2.53	2.83	3.34	3.22	2.52	2.07	1.97	1.99	1.79	1.69		
28	2.20	2.17	2.53	2.81	3.27	3.17	2.49	2.05	1.97	1.99	1.79	1.66		
29	2.20	2.19	2.53	2.80	3.38	3.14	2.47	2.06	1.97	1.99	1.79	1.66		
30	2.21	2.20	2.53	2.83		3.10	2.44	2.05	1.97	1.99	1.77	1.65		
31	2.16		2.53	2.83		3.09		2.04		1.99	1.77			
MEAN	2.01	2.39	2.39	2.85	3.03	3.29	2.97	2.29	1.99	1.92	1.03	1.71	2.00	
MAX	2.21	2.73	2.55	3.13	3.39	3.57	3.25	2.44	2.04	1.97	1.09	1.77	3.57	
MIN.	1.92	2.10	2.20	2.53	2.75	3.00	2.44	2.04	1.97	1.92	1.77	1.65	1.65	

*QM*		ST.: 1-950 WATOPA PONTOON											YEAR: 1993/04	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	95.0	101.2	112.3	153.2	192.5	296.5	233.0	141.1	94.4	66.5	70.9	67.6		
2	95.0	101.2	115.9	153.2	196.2	297.7	231.2	141.1	94.4	66.5	70.6	67.6		
3	95.0	101.2	119.4	154.5	201.9	294.0	233.0	141.1	91.2	65.0	77.5	67.6		
4	95.0	179.9	118.4	157.4	200.9	294.6	240.4	127.2	91.2	65.0	76.9	67.6		
5	95.0	175.0	118.4	163.7	195.2	279.0	259.9	127.2	91.2	65.0	76.0	66.2		
6	95.0	159.5	118.4	175.0	197.9	279.0	260.0	127.2	91.2	65.0	76.0	66.2		
7	93.4	150.6	120.2	170.9	197.9	275.1	265.3	127.2	91.2	65.0	76.0	64.0		
8	93.4	152.4	120.2	170.9	197.9	272.4	257.2	127.2	90.1	65.0	76.0	64.0		
9	81.9	146.3	122.0	181.2	199.3	272.4	249.3	126.4	90.1	65.0	76.0	62.2		
10	81.9	141.1	122.0	194.9	194.9	275.2	243.0	125.2	90.1	63.4	76.0	62.2		
11	81.9	139.1	122.0	209.0	199.3	300.5	233.0	123.3	90.1	63.4	75.7	62.2		
12	81.9	139.1	122.0	209.5	196.2	325.2	223.7	120.6	90.1	63.4	75.7	62.2		
13	81.9	139.1	122.0	211.0	210.5	322.2	217.0	127.6	90.1	63.4	74.6	62.2		
14	81.9	137.2	122.0	221.2	215.3	312.2	209.0	127.6	90.1	63.4	74.0	62.2		
15	81.9	137.2	125.0	211.4	219.0	299.4	203.3	125.7	90.1	63.4	73.1	62.2		
16	81.9	135.2	129.7	219.0	236.3	259.9	201.9	122.0	91.2	62.0	73.1	63.5		
17	82.0	135.2	132.6	229.7	254.6	277.9	200.5	122.0	90.1	61.9	73.1	63.5		
18	84.3	133.9	136.4	237.9	262.6	272.4	196.2	122.0	90.1	61.9	73.1	62.2		
19	85.0	131.4	142.3	245.6	262.6	261.5	190.2	120.9	90.1	61.9	72.0	60.9		
20	90.1	137.2	146.3	245.6	250.0	249.3	182.5	117.7	90.1	61.9	71.7	60.9		
21	93.0	104.4	155.3	239.9	257.2	243.0	178.0	114.0	90.1	61.6	70.2	60.9		
22	96.0	101.0	155.3	229.7	250.0	249.3	173.6	114.0	97.7	61.0	70.3	60.1		
23	97.7	102.0	155.3	219.0	264.2	261.0	169.3	113.7	97.7	60.4	70.3	59.6		
24	102.0	104.0	155.3	210.5	268.0	257.2	165.0	111.3	97.7	60.4	70.3	59.6		
25	106.1	104.4	153.2	205.7	268.5	259.0	160.7	111.3	97.7	79.9	70.3	59.6		
26	109.5	104.4	153.2	200.9	271.3	262.6	156.5	104.4	97.7	79.2	69.5	59.9		
27	111.3	104.4	153.2	197.2	291.0	261.5	152.4	97.7	96.5	70.9	69.9	59.6		
28			153.2	193.9	297.4	251.9	149.3	96.0	96.5	70.9	69.9	59.3		
29	112.3	111.3	153.2	192.5	291.9	246.1	145.5	96.0	96.5	70.9	69.2	59.3		
30	113.0	112.3	153.2	197.2		240.4	141.1	96.0	96.5	70.9	67.6	57.1		
31	107.0		153.2	197.2		236.3		94.4		70.9	67.6			
MEAN	91.4	135.9	134.0	200.4	230.3	273.4	204.4	122.0	90.9	62.5	73.2	62.4	141.3	
MAX	113.0	181.2	155.3	245.6	291.9	325.2	260.0	141.1	94.4	66.5	79.9	67.6	325.2	
MIN.	81.9	101.0	112.3	153.2	194.9	236.3	141.1	94.4	66.5	70.9	67.6	57.1	57.1	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^{2.2}$

[Flow Regime (m3/s)]:

Q(5day): 190.2      Q(195day): 120.2      Q(275day): 93.4      Q(355day): 60.9

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

*HMT	ST.: 1-950 WATOPA PONTOON												YEAR : 1984/85	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.65	1.62	1.97	2.61	3.24	3.03	4.61	3.22	2.41	2.10	2.00	1.92		
2	1.65	1.62	1.97	2.61	3.31	3.70	4.65	3.21	2.30	2.10	2.07	1.91		
3	1.65	1.62	1.99	2.50	3.42	3.03	4.65	3.12	2.30	2.10	2.07	1.91		
4	1.65	1.63	1.97	2.56	3.49	3.05	4.62	3.07	2.36	2.10	2.07	1.90		
5	1.60	1.65	1.97	2.57	3.57	3.00	4.56	3.05	2.35	2.10	2.07	1.89		
6	1.60	1.67	1.90	2.59	3.64	3.01	4.50	3.00	2.33	2.10	2.07	1.89		
7	1.60	1.73	1.90	2.64	3.66	3.93	4.45	2.96	2.32	2.10	2.07	1.89		
8	1.66	1.74	1.90	2.70	3.60	3.93	4.40	2.91	2.30	2.10	2.06	1.87		
9	1.60	1.76	1.90	2.73	4.77	3.93	4.42	2.97	2.29	2.10	2.06	1.97		
10	1.69	1.77	1.99	2.73	3.69	3.93	4.45	2.93	2.29	2.10	2.05	1.86		
11	1.71	1.70	2.05	2.75	3.69	3.95	4.52	2.90	2.29	2.10	2.05	1.86		
12		.81	2.10	2.81	3.69	3.94	4.68	2.77	2.27	2.16	2.04	1.86		
13	1.73	1.93	2.17	2.84	3.71	3.90	4.79	2.74	2.26	2.16	2.04	1.86		
14	1.74	1.93	2.33	2.90	3.79	3.86	4.91	2.71	2.25	2.16	2.04	1.84		
15	1.74	1.93	2.42	2.92	3.90	3.77	4.95	2.69	2.24	2.16	2.02	1.83		
16	1.74	1.94	2.52	2.90	4.09	3.73	4.91	2.60	2.24	2.16	2.01	1.83		
17	1.73	1.94	2.63	2.90	4.22	3.53	4.82	2.67	2.23	2.16	2.01	1.83		
18	1.71	1.94	2.71	2.91	4.20	3.61	4.67	2.65	2.23	2.16	2.00	1.83		
19	1.69	1.95	2.72	2.93	4.34	3.50	4.49	2.62	2.23	2.13	1.99	1.83		
20	1.60	1.96	2.74	2.93	4.31	3.50	4.33	2.61	2.21	2.13	2.00	1.83		
21	1.60	1.97	2.71	2.94	4.22	3.57	4.16	2.59	2.20	2.13	1.99	1.83		
22	.60	1.97	2.73	2.95	4.11	3.55	4.07	2.59	2.19	2.13	1.99	1.83		
23	1.60	1.99	2.74	2.92	4.02	3.61	3.93	2.57	2.19	2.13	1.99	1.83		
24	1.67	1.99	2.75	2.93	3.95	3.54	3.83	2.56	2.19	2.13	1.99	1.83		
25	1.66	1.99	2.74	2.91	3.94	3.05	3.72	2.54	2.19	2.13	1.95	1.83		
26	1.64	1.99	2.71	2.88	3.93	3.90	3.64	2.53	2.19	2.12	1.95	1.81		
27	1.63	1.92	2.74	2.91	3.90	4.11	3.59	2.51	2.19	2.12	1.94	1.80		
28	1.62	1.95	2.62	3.00	3.88	4.30	3.47	2.47	2.19	2.12	1.94	1.80		
29	1.62	1.97	2.61	2.99		4.40	3.40	2.45	2.19	2.12	1.94	1.79		
30			2.61	3.04		4.47	3.34	2.44	2.18	2.11	1.93	1.77		
31	1.62		2.62	3.12		4.54		2.42		2.10	1.92			
MEAN	1.67	1.91	2.30	2.93	3.97	3.99	4.32	2.74	2.26	2.15	2.01	1.85	2.64	
MAX	1.74	1.97	2.75	3.12	4.77	4.54	4.95	3.20	2.41	2.19	2.09	1.92	4.95	
MIN	1.62	1.62	1.97	2.56	3.24	3.53	3.34	2.42	2.10	2.10	1.92	1.77	1.62	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1984/85	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	57.1	54.6	86.5	163.7	263.7	390.2	563.6	270.7	137.2	109.5	90.7	81.9		
2	57.3	54.6	87.1	163.7	275.2	360.6	573.1	258.3	134.1	109.5	97.7	80.4		
3	57.6	55.3	88.1	160.7	297.1	379.5	573.1	242.5	130.3	109.5	97.7	80.4		
4	57.6	55.0	86.5	157.4	310.4	382.0	555.2	235.3	131.4	109.2	97.7	79.0		
5	59.6	57.1	86.5	159.6	325.2	390.0	551.1	231.2	129.5	109.5	97.7	79.9		
6	59.6	59.1	88.1	161.6	339.2	396.6	534.0	222.7	127.2	109.5	97.7	79.0		
7	59.6	64.0	89.1	160.0	343.5	401.2	522.5	216.3	125.7	109.5	97.7	79.0		
8	50.3	64.0	89.1	177.8	340.4	401.2	511.2	209.0	123.1	109.5	96.0	77.5		
9	59.6	67.3	87.4	181.2	305.4	401.2	514.2	203.3	122.0	109.5	96.0	76.9		
10			89.0	182.1	349.7	401.2	523.3	197.2	122.0	109.5	95.4	76.0		
11	62.2	60.4	95.4	184.8	349.7	404.6	539.4	191.6	122.0	109.2	94.7	76.0		
12	62.5	71.2	100.3	193.9	350.4	402.6	575.5	197.9	120.2	107.0	94.4	76.0		
13	64.0	72.9	100.8	198.6	354.7	393.3	611.2	193.4	119.4	107.0	94.4	76.0		
14	64.0	73.1	126.9	208.1	365.4	386.7	642.0	179.9	117.3	107.0	94.1	74.6		
15	64.0	73.1	139.4	210.5	394.6	367.3	655.6	176.3	116.6	107.0	93.5	73.7		
16	64.0	74.0	152.4	206.6	437.3	357.8	642.0	174.5	116.6	107.0	91.5	73.1		
17	64.3	74.6	166.7	206.6	465.6	310.1	617.0	172.3	115.5	107.0	91.2	73.1		
18			99.5	208.5	481.5	334.3	570.7	170.1	114.0	107.0	89.9	73.1		
19	60.6	75.4	100.3	211.4	496.3	329.2	531.7	165.0	114.0	104.4	89.0	73.1		
20	59.6	76.0	102.5	211.9	497.4	327.0	492.6	164.5	113.0	104.4	89.6	73.1		
21	59.6	76.9	178.0	212.9	465.6	325.2	452.0	161.6	112.0	104.4	89.7	73.1		
22	59.6	77.5	101.2	214.0	440.0	322.0	431.0	161.6	111.3	104.4	88.1	73.1		
23	59.6	78.9	183.4	210.0	420.1	334.3	401.2	159.2	111.3	104.4	88.1	73.1		
24	59.3	78.9	183.9	211.4	404.6	319.3	378.2	157.4	110.9	104.0	87.7	73.1		
25	57.0	78.9	182.5	208.5	403.2	383.4	357.2	154.9	111.3	104.0	85.0	73.1		
26	56.0	79.0	178.0	204.2	401.2	411.3	339.2	153.2	111.3	102.7	85.0	71.7		
27	55.0	82.0	182.5	209.0	393.3	442.2	330.1	150.3	109.9	102.7	84.3	70.6		
28			0	223.2	386.7	445.2	307.5	145.1	111.3	102.7	83.4	70.3		
29	54.6	86.5	163.7	221.7		511.2	283.1	14						
30	54.6	86.5	164.5	230.2		527.1	291.0	141.1	109.5	101.7	82.0	67.6		
31	54.6		165.0	244.1		544.0		138.4		101.0	81.9			
MEAN	59.5	71.5	136.6	187.0	391.3	391.2	496.4	184.4	110.0	106.5	91.4	74.9	191.7	
MAX	64.0	86.5	183.9	244.1	605.4	544.0	655.6	270.7	137.2	109.5	90.7	81.9	655.6	
MIN	54.6	54.6	86.5	157.4	263.7	310.1	291.0	139.4	109.5	101.0	81.9	67.6	54.6	

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[Flow Regime (m2/s)]:

Q(5day): 231.2      Q(105day): 116.6      Q(275day): 80.4      Q(355day): 57.1

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

*HM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1985/86		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1.77	1.75	1.72	2.23	3.12	4.15	5.44	3.72		2.29	2.19	2.01				
2	1.75	1.77	1.74	2.29	3.22	4.24	5.44	3.72		2.29	2.19	2.01				
3	1.76	1.81	1.77	2.32	3.29	4.30	5.43	3.60		2.29	2.19	2.00				
4	1.76	1.82	1.80	2.31	3.38	4.33	5.40	3.60		2.28	2.19	1.99				
5	1.76	1.80	1.80	2.29	3.39	4.33	5.36	3.54		2.27	2.19	1.98				
6	1.75	1.79	1.84	2.32	3.43	4.33	5.29	3.48		2.26	2.18	1.97				
7	1.76	1.81	1.90	2.35	3.57	4.34	5.17	3.41		2.26	2.18	1.96				
8	1.76	1.80	1.91	2.35	3.81	4.33	5.07	3.33		2.26	2.18	1.95				
9	1.74	1.81	1.91	2.35	3.89	4.33	4.96	3.26		2.26	2.17	1.94				
10	1.72	1.81	1.94	2.38	3.93	4.35	4.79	3.20		2.25	2.16	1.94				
11	1.72	1.81	1.95	2.41	3.92	4.39	4.72	3.12		2.25	2.16	1.92				
12	1.71	1.81	1.94	2.40	3.92	4.46	4.70	3.07		2.24	2.16	1.91				
13	1.69	1.83	1.92	2.38	3.93	4.57	4.33	3.01		2.26	2.16	1.91				
14	1.69	1.87	1.96	2.41	3.95	4.62	4.44	2.96		2.26	2.16	1.91				
15	1.69	1.85	1.97	2.45	3.86	4.65	4.12	2.91		2.26	2.18	1.90				
16	1.68	1.83	1.93	2.52	3.82	4.66	3.99	2.87		2.26	2.13	1.89				
17	1.68	1.83	1.93	2.53	3.79	4.71	3.89	2.84		2.26	2.13	1.89				
18	1.68	1.81	1.95	2.51	3.75	4.76	3.79	2.80		2.25	2.12	1.89				
19	1.68	1.81	1.98	2.50	3.70	4.84	3.72	2.77		2.24	2.10	1.88				
20	1.68	1.81	2.02	2.49	3.67	4.93	3.69	2.74		2.24	2.09	1.88				
21	1.69	1.80	2.04	2.51	3.71	4.94	3.73	2.71		2.24	2.07	1.87				
22	1.72	1.79	2.08	2.52	3.82	5.00	3.79	2.69		2.24	2.07	1.87				
23	1.71	1.76	2.16	2.51	3.87	5.06	3.86	2.68		2.23	2.07	1.86				
24	1.71	1.75	2.20	2.56	3.74	5.14	3.88	2.66		2.23	2.06	1.86				
25	1.71	1.75	2.25	2.60	4.03	5.21	3.87	2.65		2.23	2.05	1.86				
26	1.71	1.72	2.26	2.71	4.09	5.24	3.84	2.63		2.21	2.04	1.86				
27	1.71	1.71	2.26	2.72	4.12	5.30	3.83	2.61		2.21	2.04	1.83				
28	1.72	1.71	2.24	2.78	4.17	5.36	3.82	2.58		2.21	2.04	1.83				
29	1.72	1.69	2.19	2.84		5.39	3.79	2.56		2.21	2.03	1.83				
30	1.73	1.69	2.16	2.92		5.44	3.74	2.56		2.20	2.03	1.81				
31	1.75		2.18	2.95		5.46		2.54		2.19	2.01					
MEAN	1.72	1.79	2.00	2.50	3.75	4.75	4.40	2.99		2.24	2.12	1.91	2.73			
MAX.	1.77	1.87	2.26	2.95	4.17	5.46	5.44	3.72		2.29	2.19	2.01	5.46			
MIN.	1.68	1.69	1.72	2.23	3.12	4.15	3.69	2.54		2.19	2.01	1.81	1.68			

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1985/86		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	67.6	65.9	63.5	115.5	243.0	449.2	799.9	355.9	165.9	122.0	111.3	91.2				
2	66.2	68.1	65.4	122.0	259.9	470.7	798.0	355.3	163.0	122.0	111.3	91.2				
3	67.0	71.7	68.1	125.7	274.0	486.7	794.3	331.3	160.1	122.0	111.3	89.6				
4	67.3	72.6	70.3	124.6	289.7	492.6	786.8	331.3	157.8	121.7	111.3	89.3				
5	67.3	70.3	70.9	122.0	291.4	492.6	773.8	319.9	155.5	120.2	110.9	88.4				
6	66.2	69.8	74.0	126.1	298.8	493.3	752.6	308.1	153.2	118.4	109.5	86.5				
7	66.5	71.2	79.5	129.5	326.4	494.8	716.6	295.9	150.8	118.4	109.5	85.9				
8	67.3	70.3	80.4	129.5	375.0	492.6	688.3	280.1	148.7	118.4	109.5	85.0				
9	65.1	71.7	81.3	129.9	391.3	492.6	658.1	268.0	147.6	118.4	108.1	84.3				
10	63.5	71.7	83.4	133.3	401.2	498.5	609.5	257.8	146.2	118.0	107.8	83.4				
11	63.5	71.7	85.0	137.2	397.9	507.4	592.4	244.1	145.0	118.0	107.8	81.9				
12	62.2	71.7	83.4	136.0	397.9	524.1	586.8	234.8	143.4	116.6	107.8	80.4				
13	60.9	73.1	81.9	133.3	399.9	551.8	493.3	225.2	142.1	119.1	107.8	80.4				
14	60.9	76.9	85.6	138.0	404.6	566.0	520.3	216.3	140.7	119.1	107.8	80.4				
15	60.9	75.1	86.5	142.3	384.7	573.1	444.3	209.0	139.6	118.4	109.5	79.8				
16	60.1	73.1	82.8	152.0	377.0	575.5	414.7	202.8	138.1	118.4	104.4	78.9				
17	59.6	72.8	82.8	153.2	370.5	589.2	392.0	197.6	136.6	118.4	103.7	78.6				
18	59.6	71.7	85.0	149.9	362.2	602.2	370.5	191.6	135.4	118.0	102.7	78.6				
19	59.6	71.7	88.1	149.1	352.8	625.3	355.9	187.9	134.2	116.6	101.0	78.3				
20	59.6	71.2	91.8	147.9	346.6	649.6	349.7	183.4	133.4	116.6	100.0	78.3				
21	60.9	70.3	94.4	151.2	354.7	653.0	359.1	178.9	132.5	116.6	97.7	76.6				
22	63.0	69.5	98.7	152.4	376.3	668.4	371.8	176.3	131.8	116.6	97.7	76.6				
23	62.2	66.7	107.1	151.2	388.7	685.7	384.7	174.5	131.1	114.8	97.3	76.3				
24	62.2	65.7	112.0	157.4	361.0	707.7	389.3	171.4	130.0	114.8	96.0	76.0				
25	62.2	65.7	117.7	162.4	422.2	730.0	387.4	170.1	128.3	114.8	94.7	75.7				
26	62.2	63.5	119.5	178.0	437.3	739.0	380.8	167.1	127.1	113.4	94.4	75.7				
27	62.2	62.2	119.1	179.8	443.6	755.4	378.2	163.7	125.9	113.0	94.4	72.8				
28	63.5	62.2	116.6	188.9	455.6	775.6	377.6	160.7	125.3	113.0	94.4	72.8				
29	63.5	60.9	110.6	198.6		784.9	370.5	157.4	124.5	113.0	92.8	72.8				
30	64.3	60.9	107.8	210.5		799.9	360.3	157.4	123.8	112.0	92.8	71.7				
31	66.2		109.5	215.3		803.7		154.5		111.3	91.5					
MEAN	63.3	69.3	90.4	149.8	363.7	604.2	521.9	226.7	140.6	117.2	103.1	80.6	209.7			
MAX.	67.6	76.9	119.5	215.3	455.6	803.7	799.9	355.9	165.9	122.0	111.3	91.2	803.7			
MIN.	59.6	60.9	63.5	115.5	243.0	449.2	349.7	154.5	123.8	111.3	91.5	71.7	59.6			

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(95day): 274.0      Q(185day): 120.2      Q(275day): 81.9      Q(355day): 60.9

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

*HM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1986/87	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.81	2.23	2.51	2.87			5.23	4.10	2.92	2.44				2.01	
2	1.81	2.24	2.51	2.89			5.21	4.04	2.88	2.44				2.01	
3	1.83	2.25	2.53	2.92			5.20	4.04	2.84	2.44				2.00	
4	1.87	2.27	2.61	2.95			5.21	4.03	2.82	2.44				2.00	
5	1.87	2.30	2.65	2.97			5.23	4.00	2.80	2.44				1.99	
6	1.86	2.30	2.69	3.00			5.25	3.93	2.77	2.45				1.98	
7	1.86	2.33	2.74	3.04			5.28	3.88	2.74	2.45				1.98	
8	1.86	2.35	2.84	3.06			5.31	3.81	2.73	2.44				1.97	
9	1.86	2.41	2.94	3.10			5.30	3.76	2.72	2.44				1.96	
10	1.86	2.44	3.00	3.12			5.31	3.74	2.69	2.44				1.95	
11	1.86	2.49	3.05	3.07			5.27	3.70	2.68	2.44				1.95	
12	1.89	2.53	3.08	3.05			5.21	3.70	2.69					1.94	
13	1.89	2.56	3.05	3.02	4.89		5.09	3.68	2.69		2.13			1.93	
14	1.92	2.58	3.03	3.02	4.97		5.02	3.66	2.67		2.12			1.92	
15	1.95	2.65	3.02	3.03	5.03		4.93	3.65	2.65		2.12			1.92	
16	1.95	2.74	2.99	3.08	5.11		4.71	3.61	2.64		2.12			1.92	
17	1.98	2.84	2.97	3.15	5.17		4.58	3.56	2.62		2.11			1.91	
18	1.98	2.90	2.95	3.20	5.22		4.48	3.49	2.61		2.09			1.90	
19	1.98	2.91	2.92	3.22	5.24		4.43	3.41	2.60		2.08			1.90	
20	1.98	2.87	2.86	3.26	5.26		4.37	3.36	2.58		2.08			1.90	
21	2.01	2.84	2.83	3.29	5.28		4.29	3.31	2.57		2.07			1.86	
22	2.07	2.81	2.83	3.32	5.28		4.23	3.26	2.55		2.06			1.80	
23	2.07	2.78	2.83	3.33	5.30		4.18	3.22	2.53		2.06			1.77	
24	2.13	2.74	2.83	3.35	5.32		4.12	3.18	2.50		2.05			1.71	
25	2.16	2.71	2.83	3.39	5.33		4.07	3.12	2.50		2.05			1.68	
26	2.16	2.68	2.88	3.43	5.30		4.09	3.07	2.49		2.04			1.65	
27	2.16	2.66	2.90	3.49	5.27		4.04	3.05	2.47		2.04			1.62	
28	2.17	2.60	2.91	3.57	5.25		3.99	3.02	2.46		2.04				
29	2.16	2.56	2.92	3.67			3.96	2.99	2.45		2.03				
30	2.17	2.53	2.91	3.77			3.94	2.95	2.44		2.02				
31	2.18		2.87	3.86			3.97		2.44		2.02				
MEAN	1.98	2.57	2.86	3.21	5.20	4.69	3.54	2.64	2.44		2.07	1.89	2.99		
MAX.	2.18	2.91	3.08	3.86	5.33	5.31	4.10	2.92	2.45		2.13	2.01	5.33		
MIN.	1.81	2.23	2.51	2.87	4.89	3.94	2.95	2.44	2.44		2.02	1.62	1.62		

*QM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1986/87	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	71.7	114.8	151.2	201.9	158.2	736.3	438.0	210.0	141.1	99.8	73.6	91.5			
2	71.7	116.2	151.2	205.7	168.4	729.1	424.2	204.7	141.1	99.2	72.5	90.9			
3	73.1	117.7	153.2	210.5	180.2	727.3	426.3	198.1	141.1	98.3	71.9	89.9			
4	76.6	120.2	163.7	215.3	187.2	730.0	423.5	195.3	141.1	97.1	71.7	89.6			
5	76.6	124.3	170.1	218.8	192.0	735.4	416.0	191.6	141.9	95.9	71.4	88.7			
6	76.0	124.3	175.4	222.7	210.4	740.8	399.9	187.0	143.1	94.7	70.8	88.1			
7	76.0	127.6	183.4	230.2	224.7	749.0	389.3	183.4	142.3	93.8	70.2	87.4			
8	76.0	129.5	198.1	233.8	240.5	759.9	374.4	182.1	141.5	92.6	69.1	86.5			
9	76.0	138.0	213.9	240.4	257.9	757.2	364.1	179.8	141.5	91.1	68.0	86.2			
10	76.3	141.9	223.2	244.1	266.2	759.0	360.3	174.9	141.1	89.6	67.5	85.3			
11	76.3	147.9	231.7	235.3	276.2	748.1	352.2	174.5	141.1	89.3	66.6	84.7			
12	78.9	153.2	236.3	231.2	287.3	729.1	352.2	175.8	127.6	89.3	65.8	83.7			
13	78.9	157.4	231.2	226.2	637.0	695.3	348.4	175.4	125.6	88.7	104.4	83.1			
14	81.9	159.5	228.7	226.2	659.0	673.6	344.1	172.7	124.7	87.8	102.7	82.2			
15	85.0	169.3	226.2	227.7	677.9	650.5	341.6	170.6	122.4	86.3	102.7	81.9			
16	85.0	182.5	221.2	236.3	701.5	589.2	334.9	168.0	120.8	86.1	102.7	81.6			
17	87.4	198.6	218.8	249.3	717.4	554.2	324.0	166.3	118.9	85.2	101.3	80.4			
18	87.4	207.6	215.3	257.2	733.6	530.9	311.0	164.1	118.2	84.6	99.7	79.8			
19	88.1	209.0	210.0	261.5	737.2	518.0	295.4	162.4	117.3	83.7	99.0	80.1			
20	88.1	202.8	200.9	266.9	743.5	502.9	286.3	160.7	115.4	83.4	98.0	79.5			
21	91.2	198.6	197.2	272.4	749.9	484.5	276.8	158.2	112.8	83.1	97.0	75.7			
22	97.0	193.9	197.2	277.9	750.8	469.2	268.0	155.7	111.3	81.7	96.7	70.3			
23	97.0	189.3	197.2	280.7	755.4	458.5	261.5	152.8	109.7	81.1	96.0	67.6			
24	104.4	183.4	197.2	284.6	763.6	443.6	253.0	149.1	109.4	80.5	95.1	62.2			
25	107.8	178.0	197.2	291.9	765.5	432.5	243.5	149.1	108.1	79.4	94.7	59.6			
26	107.8	174.5	204.7	299.4	757.2	435.9	234.3	147.5	107.2	78.8	94.1	57.1			
27	107.8	171.0	206.6	310.4	746.2	424.2	232.2	145.1	105.7	78.5	93.8	54.6			
28	108.8	162.4	209.0	325.2	739.9	414.7	226.2	144.3	103.5	77.3	93.8	37.0			
29	107.8	157.4	211.0	345.3			407.9	221.2	142.7	102.0	76.8	93.1	37.0		
30	108.5	153.2	209.0	367.3			403.2	214.8	141.1	101.0	75.9	92.2	37.0		
31	109.2		202.3	386.7			409.3		141.1		75.1	91.8			
MEAN	88.2	160.1	201.0	260.7	510.2	593.5	324.6	168.5	124.0	86.6	86.7	75.3	221.5		
MAX.	109.2	209.0	236.3	386.7	765.5	759.9	438.0	210.0	143.1	99.8	104.4	91.5	765.5		
MIN.	71.7	114.8	151.2	201.9	158.2	403.2	214.8	141.1	101.0	75.1	65.8	37.0	37.0		

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[ Flow Regime (m3/s) ]:

Q(95day): 236.3      Q(185day): 157.4      Q(275day): 93.8      Q(355day): 67.6

<< MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>

*MIM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1907/00	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1.90	1.05	1.05	2.22	3.43	3.02	5.72	3.04	2.32	2.21	2.09	1.92			
2	1.90	1.06	1.06	2.25	3.49	3.71	5.67	3.00	2.32	2.20	2.09	1.92			
3	1.91	1.06	1.07	2.30	3.55	3.74	5.52	2.94	2.32	2.20	2.07	1.92			
4	1.91	1.06	1.07	2.35	3.60	3.78	5.30	2.91	2.31	2.20	2.06	1.91			
5	1.91	1.05	1.09	2.43	3.59	3.87	5.00	2.87	2.30	2.20	2.05	1.91			
6	1.92	1.03	1.92	2.57	3.57	3.92	4.87	2.83	2.30	2.19	2.06	1.91			
7	1.93	1.03	1.96	2.65	3.52	4.01	4.73	2.80	2.29	2.19	2.04	1.90			
8	1.94	1.03	2.02	2.61	3.48	4.00	4.56	2.77	2.29	2.19	2.04	1.89			
9	1.95	1.04	2.06	2.53	3.43	4.09	4.52	2.74	2.29	2.19	2.04	1.89			
10		1.04	2.10	2.50	3.41	4.09	4.44	2.70	2.29	2.19	2.03	1.88			
11	1.97	1.05	2.14	2.45	3.39	4.11	4.31	2.69	2.29	2.17	2.02	1.87			
12	1.97	1.05	2.15	2.42	3.44	4.10	4.24	2.65	2.31	2.17	2.02	1.87			
13	1.96	1.04	2.16	2.40	3.51	4.21	4.15	2.64	2.32	2.16	2.01	1.86			
14	1.95	1.04	2.15	2.41	3.50	4.27	4.11	2.62	2.32	2.16	2.01	1.86			
15	1.94	1.04	2.13	2.44	3.62	4.34	4.07	2.59	2.32	2.15	2.01	1.84			
16	1.91	1.05	2.12	2.50	3.65	4.45	3.97	2.57	2.32	2.15	2.00	1.83			
17	1.89	1.06	2.12	2.59	3.69	4.50	3.90	2.55	2.31	2.14	2.00	1.83			
18	1.88	1.06	2.11	2.68	3.75	4.54	3.79	2.53	2.30	2.13	2.00	1.82			
19	1.87	1.05	2.09	2.75	3.80	4.54	3.71	2.51	2.29	2.13	2.00	1.81			
20	1.88	1.04	2.08	2.78	3.84	4.59	3.65	2.49	2.29	2.12	1.99	1.81			
21	1.89	1.03	2.09	2.90	3.86	4.60	3.60	2.48	2.29	2.12	1.97	1.81			
22			2.09	2.97	3.89	4.61	3.54	2.46	2.28	2.12	1.95	1.81			
23	1.87	1.02	2.10	3.02	3.90	5.10	3.51	2.44	2.28	2.12	1.97	1.80			
24	1.86	1.02	2.17	3.06	3.93	5.20	3.45	2.43	2.28	2.11	1.97	1.80			
25	1.86	1.01	2.16	3.09	3.93	5.50	3.40	2.42	2.28	2.11	1.96	1.80			
26	1.86	1.02	2.09	3.13	3.91	5.71	3.34	2.41	2.24	2.10	1.95	1.79			
27	1.85	1.02	2.09	3.13	3.86	5.79	3.27	2.40	2.23	2.10	1.95	1.79			
28	1.86	1.05	2.09	3.17	3.82	5.85	3.22	2.39	2.23	2.10	1.94	1.79			
29	1.86	1.04	2.13	3.25	6.23	5.90	3.16	2.32	2.23	2.09	1.94	1.77			
30	1.86	1.05	2.18	3.37		5.90	3.12	2.32	2.23	2.10	1.93	1.76			
31	1.86		2.19	3.40		5.87		2.35		2.10	1.92				
MEAN	1.90	1.04	2.07	2.72	3.75	4.62	4.12	2.61	2.28	2.15	2.00	1.85	2.66		
MAX.	1.97	1.06	2.19	3.40	6.23	5.90	5.79	3.04	2.33	2.21	2.09	1.92	6.23		
MIN.	1.86	1.01	1.85	2.22	3.39	3.71	3.13	2.32	2.23	2.09	1.92	1.75	1.75		

*QM*	ST.: 1-950 WATOPA PONTOON													YEAR : 1907/00	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	79.0	75.4	75.4	114.1	292.4	376.3	909.8	230.2	128.0	113.4	99.7	82.2			
2	80.1	75.7	76.3	117.3	310.4	354.7	871.0	223.7	126.5	112.3	98.7	81.9			
3	80.4	76.0	76.9	123.1	322.0	361.0	826.5	214.3	125.7	111.6	97.3	81.6			
4	80.7	75.7	77.5	129.5	331.9	368.6	757.2	209.5	124.6	112.0	96.4	80.7			
5	81.0	74.9	78.6	139.9	330.7	388.0	692.7	201.9	123.5	111.6	95.7	80.7			
6	81.9	73.4	81.6	150.2	325.0	397.9	631.9	196.2	123.1	111.3	95.0	80.4			
7	82.0	73.1	85.2	162.3	316.2	410.8	594.9	191.1	122.0	111.3	94.1	79.9			
8	84.0	73.1	91.8	164.5	309.2	433.9	550.3	187.0	122.4	111.3	94.4	79.2			
9	85.6	74.0	96.7	153.6	290.0	437.3	540.2	183.0	122.4	110.9	94.1	78.9			
10	85.9	74.0	101.0	148.7	295.4	435.9	520.3	177.1	122.0	110.6	93.4	78.0			
11	86.8	75.1	104.7	142.7	291.4	440.8	488.1	174.5	122.8	108.8	92.8	77.2			
12	86.5	75.4	106.1	139.4	300.5	450.5	470.7	170.1	124.6	109.1	92.2	76.6			
13	85.6	74.6	107.0	135.6	314.5	463.5	449.9	169.8	125.7	107.0	91.5	76.0			
14	85.0	74.3	106.7	137.6	328.2	477.9	441.5	166.3	126.1	107.8	91.2	73.7			
15	83.4	74.3	104.0	141.5	336.7	495.5	421.0	162.0	125.7	107.4	91.2	74.0			
16	81.0	75.4	103.3	149.7	342.3	522.5	409.9	159.6	125.7	105.7	90.3	73.7			
17	79.2	76.0	102.3	161.1	350.9	534.8	393.9	156.1	125.4	105.0	90.3	73.7			
18	77.9	76.0	101.7	173.8	351.6	545.6	371.2	153.2	123.9	104.4	89.6	73.4			
19	76.9	75.1	100.0	184.8	373.7	545.6	354.1	149.9	122.0	104.4	89.6	73.1			
20	78.3	74.3	98.3	188.9	382.1	557.3	341.0	148.3	122.0	104.4	89.0	73.1			
21	78.3	73.1	98.0	208.1	386.7	581.9	331.3	146.5	121.3	104.4	87.1	71.7			
22	79.0	72.8	99.3	219.2	392.0	642.0	319.9	144.3	119.0	104.0	86.2	71.2			
23	77.2	72.6	100.3	226.2	393.3	697.1	313.4	141.1	118.4	103.3	86.0	70.9			
24	76.3	72.0	108.8	233.8	400.6	749.0	302.3	140.3	118.4	101.7	85.5	70.3			
25	76.0	71.7	107.1	237.9	401.9	817.9	294.2	139.4	118.0	101.3	85.9	70.3			
26	76.0	72.6	100.0	245.1	396.6	882.9	282.4	138.0	116.9	101.0	85.0	69.8			
27	76.0	73.7	99.7	244.6	385.4	911.8	269.6	136.0	115.5	101.0	84.7	69.5			
28	76.3	74.9	99.3	252.4	376.3	931.0	260.4	133.7	115.5	100.6	83.7	68.9			
29	76.0	74.6	103.7	265.3	382.2	946.3	250.3	125.7	115.2	100.0	83.4	67.8			
30	76.0	74.9	109.2	280.0		940.3	245.1	126.1	114.8	100.3	82.8	66.7			
31	75.7		110.9	293.6		937.1		122.9		100.3	82.2				
MEAN	80.2	74.3	97.2	193.4	369.6	582.6	483.9	165.2	121.9	106.4	90.4	74.0	200.1		
MAX.	86.8	76.0	110.9	293.8	1062.2	940.3	909.8	230.2	128.0	113.4	99.7	82.2	1062.2		
MIN.	75.7	71.7	75.4	114.1	291.4	354.7	245.1	125.7	114.0	100.0	82.2	66.7	66.7		

[Discharge Rating Curve]: Q=29.791\*(H-0.262)^2

[ ] (m3/s) :

Q(5day): 245.1    Q(105day): 112.0    Q(275day): 83.4    Q(365day): 73.0

<<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*MIM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1998/99	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.75	1.84	1.89	2.45	3.29	3.03	3.94	3.13	2.20	2.12	2.04	1.86		
2	1.74	1.84	1.89	2.47	3.29	3.02	4.13	3.07	2.27	2.12	2.04	1.85		
3	1.73	1.84	1.86	2.53	3.31	3.71	4.22	3.05	2.27	2.11	2.03	1.84		
4	1.72	1.85	1.86	2.55	3.33	3.50	4.29	2.99	2.26	2.11	2.02	1.83		
5	1.72	1.85	1.86	2.58	3.35	3.48	4.39	2.90	2.25	2.11	2.01	1.83		
6	1.72	1.85	1.88	2.61	3.38	3.44	4.40	2.87	2.24	2.11	2.01	1.83		
7	1.71	1.85	1.90	2.62	3.51	3.41	4.49	2.83	2.23	2.10	2.01	1.83		
8	1.71	1.87	1.94	2.62	3.63	3.39	4.41	2.90	2.23	2.10	1.99	1.81		
9	1.71	1.87	2.00	2.67	3.81	3.07	4.38	2.77	2.21	2.09	1.99	1.81		
10	1.71	1.92	2.03	2.72	4.03	3.08	4.33	2.72	2.20	2.09	1.99	1.80		
11	1.71	1.97	2.04	2.73	4.16	3.14	4.29	2.69	2.19	2.09	1.99	1.80		
12	1.71	1.94	2.06	2.76	4.21	3.16	4.28	2.65	2.18	2.08	1.99	1.79		
13	1.71	1.94	2.09	3.05	4.22	3.17	4.31	2.61	2.17	2.07	1.99	1.79		
14	1.70	1.98	2.12	3.08	4.23	3.17	4.34	2.56	2.17	2.07	1.97	1.77		
15	1.69	2.06	2.14	3.06	4.24	3.16	4.33	2.55	2.16	2.07	1.97	1.76		
16	1.69	2.08	2.16	3.08	4.24	3.15	4.27	2.53	2.16	2.07	1.96	1.75		
17	1.69	2.09	2.19	3.11	4.25	3.09	4.15	2.49	2.15	2.07	1.95	1.75		
18	1.69	2.10	2.24	3.17	4.25	3.10	4.04	2.46	2.15	2.07	1.94	1.75		
19	1.69	2.12	2.26	3.26	4.25	3.22	3.98	2.43	2.14	2.07	1.93	1.75		
20	1.72	2.11	2.28	3.24	4.25	3.27	3.88	2.40	2.14	2.07	1.92	1.74		
21	1.71	2.08	2.30	3.22	4.27	3.27	3.73	2.38	2.14	2.07	1.91	1.74		
22	1.73	2.05	2.31	3.20	4.32	3.29	3.66	2.40	2.14	2.07	1.91	1.74		
23	1.75	2.03	2.32	3.18	4.35	3.29	3.60	2.40	2.14	2.06	1.90	1.74		
24	1.76	2.00	2.33	3.17	4.32	3.29	3.57	2.37	2.14	2.05	1.89	1.73		
25	1.76	1.97	2.34	3.21	4.24	3.29	3.52	2.36	2.14	2.05	1.89	1.72		
26	1.76	1.94	2.35	3.22	4.19	3.30	3.45	2.35	2.13	2.06	1.87	1.71		
27	1.76	1.90	2.35	3.24	4.17	3.37	3.40	2.33	2.13	2.05	1.97	1.71		
28	1.76	1.89	2.36	3.27	4.13	3.44	3.34	2.32	2.13	2.04	1.87	1.71		
29	1.70	1.89	2.36	3.28		3.56	3.30	2.31	2.12	2.04	1.87	1.71		
30	1.81	1.89	2.36	3.28		3.69	3.22	2.30	2.12	2.04	1.86	1.71		
31	1.82		2.41	3.28		3.86		2.29		2.04	1.85			
MEAN	1.73	1.95	2.14	2.95	3.97	3.36	3.98	2.59	2.18	2.09	1.95	1.77	2.52	
MAX	1.82	2.12	2.41	3.29	4.35	3.86	4.41	3.13	2.28	2.12	2.04	1.86	4.41	
MIN	1.69	1.84	1.86	2.45	3.29	3.07	2.22	2.29	2.12	2.04	1.85	1.71	1.69	

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1998/99	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	85.9	74.3	78.6	142.7	272.4	390.2	402.2	245.6	121.7	102.7	94.4	75.7		
2	84.8	74.6	78.6	145.1	272.9	377.0	445.7	235.3	120.2	102.7	93.8	74.9		
3	84.3	74.6	76.0	152.8	276.2	354.1	467.8	232.2	120.2	102.0	92.8	74.0		
4	83.5	74.9	76.0	155.5	280.7	331.3	484.5	222.2	119.1	102.0	92.2	73.7		
5	83.0	74.9	76.0	159.9	284.6	309.2	507.4	207.1	117.7	101.7	91.5	73.7		
6	83.2	74.9	77.8	164.1	289.1	300.5	510.4	201.9	116.9	101.3	91.2	73.1		
7	82.7	75.4	80.1	165.0	313.9	295.4	511.2	196.2	115.9	101.0	90.6	72.1		
8	82.5	76.6	84.0	166.3	337.4	291.4	513.4	191.6	114.8	100.6	89.3	71.7		
9	82.2	77.2	89.9	172.3	375.0	234.3	504.4	187.9	113.0	99.7	89.0	71.2		
10	82.2	81.9	92.8	179.4	423.5	236.3	491.0	180.3	111.6	99.7	88.7	70.2		
11	82.2	86.8	94.4	191.6	452.8	246.7	482.3	176.3	109.9	99.3	88.4	70.0		
12	82.2	84.3	96.4	186.1	463.5	250.9	480.1	170.1	109.2	99.0	88.1	69.5		
13	82.2	83.4	100.0	231.2	467.0	251.9	488.1	163.7	108.8	97.7	87.4	68.9		
14	81.7	88.4	102.3	232.0	468.5	251.9	486.2	157.4	108.1	97.7	87.1	67.8		
15	80.9	96.4	104.7	233.8	470.7	250.9	492.6	155.3	107.4	97.7	86.5	67.0		
16	80.4	98.3	107.1	236.3	471.4	249.3	477.9	152.2	107.1	97.7	85.9	66.5		
17	80.4	92.7	111.3	241.5	472.0	238.4	449.2	149.3	106.4	97.7	85.0	66.2		
18	80.9	100.3	116.9	251.9	472.8	239.4	425.6	144.3	106.1	97.7	84.0	65.7		
19	81.1	102.3	119.5	267.5	473.5	259.9	394.6	139.9	105.4	97.7	83.1	65.4		
20	83.0	101.7	121.7	264.7	474.3	269.1	372.4	136.4	104.7	97.7	81.9	65.4		
21	82.5	98.7	123.9	261.0	478.6	270.2	357.8	134.1	105.0	97.7	81.0	65.1		
22	84.3	95.7	125.0	257.2	489.6	272.9	344.7	125.6	105.0	97.0	80.4	65.1		
23	85.7	92.8	126.5	253.5	497.0	273.5	332.5	125.6	104.7	96.7	79.8	64.8		
24	86.5	89.9	127.6	251.9	491.1	272.9	325.0	132.6	104.7	95.7	78.9	64.0		
25	86.7	87.1	128.7	258.8	472.1	272.4	316.9	130.6	104.7	95.4	78.6	63.8		
26	87.0	83.7	129.5	261.0	459.9	275.1	302.3	129.5	104.4	96.0	77.5	62.7		
27	87.3	80.1	130.3	264.7	454.9	288.5	292.5	126.9	104.4	95.1	77.5	62.5		
28	73.3	78.0	131.0	270.2	445.0	300.0	282.4	125.7	104.0	94.4	77.5	62.5		
29	69.4	78.3	131.0	271.3		324.6	275.7	125.0	103.0	94.1	76.9	62.2		
30	71.4	78.3	131.4	271.3		350.9	260.4	123.5	102.7	94.1	76.0	62.2		
31	72.5		137.2	271.8		385.4		122.0		93.8	75.4			
MEAN	84.2	85.4	106.7	220.1	414.3	297.2	416.3	163.4	109.6	98.2	84.8	67.9	174.6	
MAX	72.6	102.3	137.2	271.8	497.0	385.4	512.4	245.6	121.7	102.7	94.4	75.7	513.4	
MIN	80.4	74.3	76.0	142.7	272.4	234.3	280.4	122.0	102.7	93.8	75.4	62.2	60.4	

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(5day): 251.9      Q(105day): 106.1      Q(275day): 80.4      Q(355day): 62.2

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

*HM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1989/90		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1	1.71	1.80	1.78	2.13	2.89	3.73	3.22	3.05	2.38	2.08	1.99	1.86			
2	2	1.71	1.79	1.79	2.14	3.01	3.72	3.26	3.06	2.36	2.09	1.99	1.86			
3	3	1.71	1.78	1.77	2.15	3.15	3.68	3.35	3.00	2.35	2.08	1.99	1.86			
4	4	1.71	1.78	1.75	2.15	3.31	3.63	3.38	2.99	2.34	2.08	1.99	1.86			
5	5	1.71	1.46	1.77	2.16	3.32	3.55	3.42	2.98	2.32	2.08	1.99	1.84			
6	6	1.71	1.77	1.78	2.16	3.35	3.46	3.46	3.00	2.30	2.08	1.98	1.83			
7	7	1.70	1.75	1.79	2.16	3.36	3.36	3.49	3.02	2.29	2.08	1.98	1.82			
8	8	1.70	1.75	1.79	2.44	3.39	3.24	3.60	3.03	2.29	2.08	1.98	1.81			
9	9	1.69	1.73	1.79	2.44	3.41	3.18	3.71	3.04	2.26	2.08	1.98	1.80			
10	10	1.69	1.73	1.79	2.44	3.41	3.14	3.86	3.04	2.25	2.08	1.98	1.80			
11	11	1.71	1.72	1.80	2.44	3.46	3.06	3.98	3.02	2.23	2.08	1.98	1.80			
12	12	1.71	1.72	1.80	2.45	3.49	2.98	4.07	3.01	2.23	2.08	1.97	1.79			
13	13	1.72	1.72	1.83	2.47	3.54	2.89	4.08	3.01	2.23	2.07	1.97	1.78			
14	14	1.72	1.73	1.87	2.48	3.62	2.84	4.11	3.00	2.23	2.07	1.97	1.77			
15	15	1.73	1.74	1.91	2.50	3.52	2.79	4.11	2.99	2.21	2.07	1.97	1.77			
16	16	1.72	1.79	1.97	2.51	3.80	2.79	4.08	2.97	2.20	2.07	1.96	1.77			
17	17	1.72	1.78	2.01	2.54	3.81	2.71	4.06	2.94	2.19	2.07	1.95	1.76			
18	18	1.72	1.73	2.03	2.55	3.85	2.64	4.09	2.91	2.19	2.06	1.94	1.76			
19	19	1.71	1.73	2.05	2.58	3.93	2.64	3.89	2.82	2.18	2.05	1.94	1.76			
20	20	1.71	1.73	2.07	2.59	3.94	2.63	3.82	2.65	2.16	2.04	1.93	1.76			
21	21	1.73	1.75	2.10	2.60	3.85	2.63	3.76	2.64	2.16	2.03	1.92	1.76			
22	22	1.74	1.76	2.13	2.60	3.75	2.62	3.70	2.62	2.16	2.03	1.92	1.75			
23	23	1.74	1.77	2.15	2.59	3.72	2.59	3.58	2.59	2.16	2.02	1.92	1.75			
24	24	1.74	1.76	2.17	2.58	3.72	2.60	3.51	2.57	2.14	2.02	1.91	1.75			
25	25	1.73	1.76	2.20	2.60	3.71	2.63	3.49	2.55	2.13	1.99	1.90	1.74			
26	26	1.74	1.74	2.21	2.62	3.71	2.67	3.47	2.52	2.13	2.01	1.90	1.74			
27	27	1.74	1.74	2.20	2.66	3.71	2.70	3.44	2.50	2.12	2.00	1.89	1.74			
28	28	1.74	1.74	2.19	2.68	3.72	2.71	3.40	2.47	2.10	2.00	1.88	1.74			
29	29	1.76	1.74	2.21	2.69		2.75	3.23	2.45	2.10	2.00	1.87	1.73			
30	30	1.79	1.74	2.25	2.72		2.91	3.08	2.43	2.10	1.99	1.87	1.73			
31	31	1.80		2.13	2.75		3.18		2.41		1.99	1.86				
MEAN		1.72	1.74	1.97	2.47	3.55	2.99	3.66	2.81	2.22	2.05	1.94	1.78	2.40		
MAX.		1.80	1.80	2.25	2.75	3.94	3.73	4.11	3.06	2.38	2.09	1.99	1.86	4.11		
MIN.		1.69	1.46	1.75	2.13	2.89	2.59	3.08	2.41	2.10	1.99	1.85	1.73	1.46		

*QM*	ST.: 1-950 WATOPA PONTOON												YEAR : 1989/90		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1	62.2	70.3	68.7	104.4	206.1	358.5	260.4	232.2	133.7	99.7	89.3	76.0			
2	2	62.2	69.8	69.5	105.4	225.2	355.9	268.0	232.8	131.4	99.3	88.7	76.0			
3	3	62.2	68.9	68.1	106.1	248.8	347.8	284.0	223.2	129.9	99.0	89.0	75.7			
4	4	62.2	68.9	66.2	106.4	276.8	338.0	289.7	221.7	128.4	99.7	88.7	75.7			
5	5	62.2	43.0	67.6	107.1	278.5	322.8	297.7	220.7	126.1	98.7	88.7	74.3			
6	6	62.2	67.6	68.9	107.4	284.6	304.6	304.0	222.7	124.3	98.7	88.4	73.4			
7	7	61.7	66.2	69.8	107.4	286.8	286.3	310.4	226.7	122.8	98.3	89.4	72.3			
8	8	61.4	65.7	69.8	141.1	291.9	264.2	331.3	228.2	122.0	98.3	88.1	71.2			
9	9	60.4	64.3	69.2	141.9	295.9	254.0	353.4	229.2	119.1	98.3	88.1	70.9			
10	10	61.1	63.8	69.8	141.9	295.9	246.7	386.1	229.2	118.0	98.0	87.7	70.3			
11	11	62.7	63.5	70.0	141.9	304.6	233.8	412.0	226.2	115.5	98.0	87.4	70.0			
12	12	62.7	63.5	70.6	143.1	311.0	220.7	431.8	225.2	115.2	98.0	87.1	69.2			
13	13	63.2	63.5	73.7	144.7	319.3	206.1	435.3	224.2	114.8	97.7	87.1	68.4			
14	14	63.5	64.3	77.2	147.1	336.7	198.6	441.5	223.2	114.8	97.7	86.8	68.1			
15	15	63.8	64.8	81.0	149.1	316.3	190.2	442.2	221.7	113.4	97.7	86.5	67.6			
16	16	63.5	69.5	86.5	150.3	372.4	190.2	434.6	218.3	112.0	97.3	85.9	67.6			
17	17	63.5	68.4	90.6	154.0	374.4	178.5	429.7	213.4	110.2	97.0	85.0	67.3			
18	18	63.5	64.3	92.8	156.5	383.4	168.8	437.3	209.0	109.5	96.4	84.0	67.3			
19	19	62.7	63.8	95.1	159.5	401.2	168.4	391.3	194.4	109.2	95.1	83.7	67.0			
20	20	62.7	64.3	97.3	161.1	403.2	166.7	377.0	169.7	107.8	94.1	83.1	67.0			
21	21	63.8	65.9	101.0	162.8	383.4	167.5	365.4	168.0	107.8	93.4	82.2	66.7			
22	22	64.8	67.3	103.7	162.8	362.2	165.8	352.8	165.0	107.4	92.8	81.9	66.2			
23	23	64.8	67.6	106.4	162.0	356.6	161.6	328.9	161.1	107.1	92.5	81.9	65.9			
24	24	64.8	67.3	108.8	160.3	355.3	162.8	315.1	158.6	104.7	91.8	80.7	66.2			
25	25	63.8	66.7	112.0	162.8	354.1	166.7	311.0	155.3	104.4	89.0	80.1	64.8			
26	26	64.8	64.8	112.7	166.3	354.1	172.3	306.9	152.4	104.0	90.6	79.5	64.8			
27	27	64.8	64.8	111.6	171.0	354.7	176.7	300.5	148.7	103.3	89.6	78.9	64.8			
28	28	64.8	64.8	110.6	173.6	355.9	178.5	293.1	145.9	101.0	89.9	78.3	64.8			
29	29	66.7	64.8	113.0	174.9		184.3	262.6	142.3	101.0	89.6	77.5	64.6			
30	30	69.5	64.8	117.7	179.8		209.5	236.3	139.9	100.3	89.0	76.9	64.3			
31	31	70.3		104.0	184.8		253.5		138.0		89.0	76.3				
MEAN		63.6	65.2	87.9	146.4	324.6	225.8	346.3	195.7	114.0	95.2	84.4	68.9	150.1		
MAX.		70.3	70.3	117.7	184.8	403.2	358.5	442.2	232.8	133.7	99.3	89.3	76.0	442.2		
MIN.		60.4	43.0	66.2	104.4	206.1	161.6	236.3	138.0	100.3	89.0	76.3	64.3	43.0		

[Discharge Rating Curve]:  $Q=29.791*(H-0.262)^2$

[Flow Regime (m3/s)]:

Q(1day): 190.2      Q(185day): 104.0      Q(275day): 70.3      Q(355day): 62.2

