

WNLm	Well No7	Kansofu	1989/90 Morning										[Water Level (m)]	
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
	1										6.28	6.58	6.85	
	2										6.32	6.61	6.84	
	3										6.36	6.65	6.82	
	4										6.28	6.68	6.86	
	5										6.27	6.64	6.87	
	6										6.42	6.66	6.88	
	7										6.43	6.63	6.85	
	8										6.44	6.65	6.87	
	9										6.40	6.71	6.90	
	10										6.44	6.69	6.88	
	11										6.49	6.70	6.90	
	12										6.48	6.72	6.91	
	13										6.52	6.72	6.87	
	14										6.53	6.73	6.92	
	15									6.33	6.53	6.74	6.94	
	16									6.37	6.54	6.75	6.95	
	17									6.38	6.55	6.76	6.97	
	18									6.38	6.54	6.74	6.82	
	19									6.36	6.55	6.74	6.99	
	20									6.40	6.55	6.78	7.00	
	21									6.39	6.55	6.73	6.96	
	22									6.39	6.56	6.78	6.99	
	23									6.40	6.53	6.78	7.00	
	24									6.39	6.59	6.79	7.02	
	25									6.43	6.55	6.75	7.04	
	26									6.39	6.60	6.82	7.00	
	27									6.40	6.61	6.82	7.03	
	28									6.40	6.62	6.78	7.05	
	29									6.35	6.57	6.79	7.07	
	30									6.32	6.65	6.80	7.10	
	31										6.59	6.83		
MEAN										6.38	6.49	6.73	6.94	6.67
MAX.										6.43	6.65	6.82	7.10	7.10
MIN.										6.32	6.27	6.58	6.82	6.27

WNLm	Well No7	Kansofu	1989/90 Evening										[Water Level (m)]	
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
	1										6.34	6.65	6.95	
	2										6.39	6.67	6.93	
	3										6.38	6.71	6.96	
	4										6.30	6.72	6.97	
	5										6.41	6.70	6.95	
	6										6.47	6.73	6.94	
	7										6.45	6.72	6.92	
	8										6.47	6.70	7.13	
	9										6.47	6.75	7.02	
	10										6.51	6.76	6.96	
	11										6.52	6.74	7.00	
	12										6.59	6.80	6.98	
	13										6.57	6.76	7.01	
	14									6.27	6.58	6.77	7.03	
	15									6.32	6.57	6.80	7.05	
	16									6.42	6.56	6.78	7.07	
	17									6.37	6.58	6.79	7.06	
	18									6.39	6.55	6.79	7.03	
	19									6.39	6.56	6.76	7.06	
	20									6.37	6.58	6.84	7.09	
	21									6.36	6.57	6.86	7.07	
	22									6.38	6.59	6.81	7.08	
	23									6.43	6.64	6.85	7.10	
	24									6.42	6.62	6.87	7.12	
	25									6.41	6.57	6.92	7.11	
	26									6.42	6.66	6.89	7.16	
	27									6.38	6.69	6.86	7.15	
	28									6.36	6.64	6.87	7.18	
	29									6.33	6.61	6.84	7.21	
	30									6.30	6.67	6.90	7.19	
	31										6.63	6.92		
MEAN										6.37	6.54	6.79	7.05	6.73
MAX.										6.43	6.69	6.92	7.21	7.21
MIN.										6.27	6.30	6.65	6.92	6.27

WWLm	Well No7		Kansofu										1990/91 Morning [Water Level (m)]											
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL										
1	7.09	7.34	7.61	7.08	5.31	5.50	4.53	4.77	5.46	5.79	5.98	6.17												
2	7.07	7.38	7.64	7.07	5.24	5.56	4.54	4.81	5.48	5.78	5.97	6.19												
3	7.10	7.33	7.57	7.05	5.25	5.60	4.65	4.83	5.51	5.80	5.99	6.16												
4	7.12	7.36	7.56	7.06	5.22	5.61	4.55	4.85	5.50	5.82	5.96	6.18												
5	7.11	7.39	7.62	7.08	5.23	5.64	4.81	4.89	5.51	5.79	6.00	6.20												
6	7.09	7.32	7.59	7.04	5.27	5.65	4.59	4.92	5.54	5.81	6.01	6.19												
7	7.10	7.34	7.63	7.01	5.30	5.60	4.62	4.92	5.55	5.83	6.02	6.21												
8	7.12	7.35	7.66	7.00	5.34	5.53	4.55	4.97	5.56	5.84	6.01	6.22												
9	7.14	7.37	7.64	6.98	5.39	5.50	4.51	5.00	5.57	5.85	6.00	6.24												
10	7.12	7.38	7.62	6.95	5.42	5.48	4.48	5.04	5.58	5.84	6.02	6.23												
11	7.16	7.40	7.61	6.95	5.46	5.49	4.44	5.05	5.59	5.85	6.03	6.21												
12	7.18	7.42	7.53	6.94	5.45	5.44	4.42	5.08	5.60	5.87	6.04	6.25												
13	7.17	7.42	7.49	6.92	5.36	5.43	4.40	5.10	5.63	5.86	6.05	6.27												
14	7.10	7.44	7.46	6.96	5.37	5.41	4.41	5.12	5.63	5.85	6.06	6.26												
15	7.21	7.41	7.43	6.93	5.35	5.42	4.39	5.14	5.64	5.88	6.08	6.28												
16	7.14	7.45	7.42	6.82	5.31	5.43	4.40	5.16	5.65	5.90	6.07	6.30												
17	7.19	7.46	7.42	6.80	5.29	5.41	4.44	5.19	5.66	5.89	6.05	6.29												
18	7.21	7.44	7.40	6.79	5.28	5.41	4.43	5.21	5.67	5.91	6.09	6.31												
19	7.24	7.50	7.34	6.77	5.28	5.42	4.46	5.24	5.68	5.90	6.08	6.28												
20	7.27	7.48	7.38	6.58	5.29	5.39	4.48	5.26	5.69	5.92	6.10	6.32												
21	7.30	7.55	7.40	6.54	5.32	5.40	4.50	5.28	5.70	5.93	6.11	6.29												
22	7.26	7.57	7.44	6.41	5.33	5.41	4.52	5.30	5.69	5.91	6.09	6.31												
23	7.31	7.53	7.42	6.37	5.35	5.35	4.56	5.31	5.74	5.92	6.12	6.30												
24	7.29	7.56	7.39	6.38	5.38	5.34	4.58	5.33	5.73	5.96	6.19	6.33												
25	7.27	7.60	7.43	6.37	5.40	5.04	4.60	5.36	5.75	5.95	6.21	6.32												
26	7.33	7.53	7.39	6.35	5.44	5.05	4.63	5.35	5.74	5.94	6.15	6.34												
27	7.39	7.49	7.31	6.16	5.47	4.75	4.65	5.37	5.76	5.93	6.14	6.35												
28	7.34	7.51	7.29	6.00	5.50	4.76	4.69	5.38	5.79	5.96	6.16	6.33												
29	7.29	7.53	7.22	5.51		4.61	4.72	5.41	5.78	5.95	6.18	6.34												
30	7.31	7.51	7.10	5.43		4.53	4.71	5.42	5.79	5.97	6.19	6.32												
31	7.33		7.09	5.40			4.56		5.45		5.94	6.16												
MEAN	7.20	7.45	7.45	6.64	5.34	5.31	4.54	5.15	5.64	5.88	6.14	6.27	6.09											
MAX.	7.39	7.60	7.66	7.08	5.50	5.65	4.81	5.45	5.79	5.97	6.04	6.35	8.04											
MIN.	7.07	7.32	7.09	5.40	5.22	4.53	4.39	4.77	5.46	5.78	5.96	6.16	4.39											

WWLe	Well No7		Kansofu										1990/91 Evening [Water Level (m)]											
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL										
1	7.23	7.54	7.79	7.17	5.26	5.55	4.52	4.80	5.47	5.81	6.00	6.20												
2	7.14	7.52	7.73	7.18	5.16	5.54	4.53	4.82	5.50	5.82	6.01	6.22												
3	7.19	7.55	7.70	7.14	5.23	5.60	4.55	4.84	5.52	5.81	6.02	6.21												
4	7.16	7.57	7.77	7.14	5.20	5.66	4.54	4.87	5.52	5.83	6.03	6.23												
5	7.18	7.54	7.75	7.10	5.21	5.62	4.57	4.90	5.53	5.84	6.05	6.24												
6	7.21	7.57	7.82	7.06	5.25	5.64	4.61	4.93	5.55	5.86	6.03	6.25												
7	7.23	7.52	7.80	7.11	5.32	5.58	4.64	4.95	5.57	5.84	6.04	6.27												
8	7.26	7.56	7.85	7.02	5.35	5.56	4.54	4.99	5.58	5.85	6.06	6.26												
9	7.26	7.54	7.81	7.00	5.38	5.52	4.49	5.03	5.59	5.86	6.07	6.28												
10	7.24	7.57	7.73	7.02	5.44	5.50	4.45	5.05	5.60	5.87	6.05	6.30												
11	7.30	7.59	7.71	7.07	5.43	5.46	4.43	5.07	5.61	5.89	6.08	6.32												
12	7.26	7.64	7.68	7.00	5.40	5.45	4.37	5.09	5.62	5.88	6.10	6.29												
13	7.21	7.62	7.63	7.10	5.38	5.44	4.35	5.11	5.64	5.90	6.09	6.31												
14	7.33	7.60	7.64	6.99	5.39	5.40	4.37	5.14	5.65	5.91	6.06	6.33												
15	7.30	7.63	7.66	6.90	5.32	5.39	4.36	5.16	5.67	5.89	6.11	6.32												
16	7.32	7.64	7.54	6.92	5.33	5.38	4.38	5.18	5.68	5.92	6.12	6.34												
17	7.28	7.65	7.60	6.89	5.30	5.36	4.39	5.20	5.68	5.94	6.10	6.36												
18	7.31	7.74	7.57	6.91	5.29	5.40	4.42	5.23	5.69	5.96	6.13	6.32												
19	7.36	7.73	7.55	6.70	5.30	5.40	4.44	5.22	5.71	5.93	6.11	6.35												
20	7.38	7.76	7.65	6.52	5.30	5.41	4.45	5.24	5.71	5.95	6.16	6.33												
21	7.34	7.73	7.50	6.44	5.32	5.42	4.47	5.27	5.73	5.97	6.15	6.37												
22	7.44	7.71	7.58	6.45	5.36	5.42	4.53	5.28	5.72	5.95	6.17	6.34												
23	7.50	7.69	7.51	6.43	5.41	5.40	4.54	5.32	5.75	6.00	6.23	6.38												
24	7.42	7.72	7.54	6.40	5.43	5.29	4.56	5.35	5.76	5.98	6.28	6.40												
25	7.40	7.74	7.52	6.44	5.42	5.05	4.58	5.38	5.77	5.96	6.20	6.41												
26	7.47	7.64	7.47	6.29	5.46	4.79	4.61	5.39	5.78	5.97	6.18	6.39												
27	7.43	7.61	7.42	6.21	5.50	4.71	4.68	5.40	5.80	5.99	6.21	6.37												
28	7.50	7.68	7.34	5.69	5.52	4.65	4.71	5.41	5.78	5.98	6.22	6.40												
29	7.48	7.72	7.27	5.45		4.54	4.74	5.43	5.80	6.00	6.17	6.33												
30	7.53	7.77	7.22	5.39		4.58	4.74	5.44	5.81	5.98	6.20	6.31												
31	7.51		7.20	5.27			4.50		5.48		6.01	6.23												
MEAN	7.33	7.64	7.60	6.66	5.35	5.30	4.52	5.16	5.66	5.91	6.12	6.31	6.14											
MAX.	7.53	7.77	7.85	7.18	5.52	5.66	4.74	5.48	5.81	6.01	6.28	6.41	7.85											
MIN.	7.14	7.52	7.20	5.27	5.16	4.50	4.35	4.80	5.47	5.81	6.00	6.20	4.35											

WwLm	Well No8		Mwambashi		1989/90 Morning								[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1									3.44	3.73	4.09	4.36	4.56		
2									3.43	3.72	4.12	4.38	4.58		
3									3.45	3.74	4.12	4.38	4.63		
4									3.44	3.75	4.12	4.40	4.60		
5									3.46	3.77	4.12	4.40	4.60		
6									3.48	3.77	4.09	4.42	4.60		
7									3.33	3.79	4.18	4.42	4.60		
8									3.49	3.80	4.18	4.43	4.60		
9									3.49	3.80	4.18	4.43	4.62		
10									3.54	3.84	4.18	4.44	4.62		
11									3.51	3.84	4.18	4.44	4.62		
12									3.51	3.84	4.20	4.45	4.62		
13									3.53	3.87	4.20	4.45	4.64		
14									3.54	3.87	4.20	4.45	4.64		
15									3.56	3.90	4.23	4.45	4.66		
16									3.28	3.56	3.92	4.23	4.47	4.66	
17									3.24	3.54	3.92	4.24	4.48	4.66	
18									3.29	3.62	3.94	4.24	4.49	4.68	
19									3.29	3.62	4.00	4.26	4.49	4.69	
20									3.30	3.60	3.95	4.28	4.49	4.72	
21									3.34	3.60	3.97	4.28	4.50	4.72	
22									3.36	3.66	3.97	4.30	4.50	4.72	
23									3.37	3.64	3.99	4.30	4.50	4.72	
24									3.35	3.63	4.00	4.32	4.52	4.72	
25									3.35	3.65	4.03	4.34	4.54	4.75	
26									3.39	3.60	4.00	4.36	4.56	4.75	
27									3.41	3.64	4.03	4.34	4.58	4.75	
28									3.44	3.67	4.04	4.34	4.56	4.75	
29									3.39	3.69	4.06	4.34	4.56	4.75	
30									3.42	3.70	4.09	4.36	4.56	4.75	
31									3.73			4.36	4.56		
MEAN									3.35	3.56	3.90	4.23	4.47	4.67	4.09
MAX.									3.44	3.73	4.09	4.36	4.58	4.75	4.75
MIN.									3.24	3.33	3.72	4.09	4.36	4.56	3.24

WwLe	Well No8		Mwambashi		1989/90 Evening								[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1									3.43	3.73	4.12	4.38	4.58		
2									3.45	3.75	4.12	4.38	4.60		
3									3.45	3.75	4.12	4.40	4.63		
4									3.46	3.77	4.12	4.40	4.60		
5									3.48	3.77	4.09	4.42	4.60		
6									3.33	3.79	4.09	4.42	4.60		
7									3.46	3.79	4.18	4.42	4.60		
8									3.49	3.80	4.18	4.43	4.62		
9									3.54	3.84	4.18	4.43	4.62		
10									3.52	3.84	4.18	4.44	4.62		
11									3.55	3.84	4.16	4.45	4.62		
12									3.53	3.87	4.20	4.45	4.62		
13									3.54	3.87	4.20	4.45	4.64		
14									3.56	3.90	4.23	4.45	4.64		
15									3.25	3.56	3.90	4.23	4.47	4.66	
16									3.25	3.54	3.92	4.23	4.47	4.66	
17									3.29	3.60	3.94	4.24	4.48	4.68	
18									3.29	3.62	4.00	4.26	4.49	4.68	
19									3.30	3.62	4.00	4.26	4.49	4.72	
20									3.34	3.60	3.95	4.28	4.49	4.72	
21									3.31	3.60	3.98	4.30	4.50	4.72	
22									3.32	3.65	3.99	4.30	4.50	4.72	
23									3.37	3.63	4.00	4.30	4.50	4.72	
24									3.34	3.65	4.03	4.34	4.52	4.72	
25									3.35	3.62	4.03	4.34	4.54	4.75	
26									3.38	3.64	4.03	4.34	4.56	4.75	
27									3.45	3.65	4.04	4.34	4.58	4.75	
28									3.39	3.68	4.06	4.34	4.56	4.75	
29									3.36	3.70	4.09	4.34	4.56	4.75	
30									3.44	3.73	4.09	4.36	4.56	4.75	
31									3.73			4.36	4.56		
MEAN									3.34	3.57	3.91	4.24	4.48	4.67	4.09
MAX.									3.45	3.73	4.09	4.36	4.58	4.75	4.75
MIN.									3.25	3.33	3.73	4.09	4.38	4.58	3.25

WWLm	Well No8		Mwambashi		1990/91 Morning								[Water Level (m)]	
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	4.72	4.95		4.42	2.17	2.66	2.45	2.98	3.30	3.57	3.57	4.16		
2	4.72	4.97		4.43	2.27	2.69	2.45	2.99	3.33	3.57	3.57	4.17		
3	4.74	4.99		4.45	2.34	2.71	2.45	2.99	3.34	3.60	3.60	4.17		
4	4.76	4.99		4.28	2.38	2.70	2.55	2.99	3.34	3.60	3.60	4.20		
5	4.76	5.01		4.05	2.43	2.73	2.55	3.05	3.35	3.60	3.60	4.21		
6	4.78	5.01		4.12	2.47	2.74	2.53	3.03	3.35	3.60	3.60	4.22		
7	4.78	5.01		4.03	2.50	2.74	2.60	3.04	3.35	3.62	3.62	4.22		
8	4.78	5.04	5.28	3.95	2.53	2.75	2.62	3.05	3.37	3.65	3.65	4.24		
9	4.80	5.04	5.30	3.78	2.55	2.70	2.63	3.07	3.39	3.65	3.65	4.25		
10	4.83	5.04	5.27	3.74	2.52	2.74	2.65	3.07	3.40	3.67	3.67	4.26		
11	4.86	5.05	5.26	3.72	2.57	2.78	2.67	3.08	3.42	3.67	3.67	4.27		
12		5.14	5.28	3.67	2.45	2.76	2.69	3.10	3.42	3.67	3.67	4.25		
13		5.14	5.29	3.31	2.39	2.80	2.70	3.11	3.42	3.70	3.70	4.27		
14			5.21	3.36	2.25	2.80	2.74	3.12	3.42	3.70	3.70	4.27		
15			5.30	3.34	2.17	2.80	2.75	3.13	3.42	3.70	3.70	4.32		
16			5.31	3.12	2.24	2.81	2.75	3.15	3.43	3.70	3.70	4.30		
17			5.32	3.13	2.30	2.82	2.76	3.16	3.46	3.72	3.72	4.30		
18	4.88		5.31	3.06	2.34	2.83	2.80	3.15	3.46	3.76	3.76	4.30		
19	4.90		5.30	3.04	2.36	2.59	2.80	3.17	3.46	3.76	3.76	4.30		
20	4.92		5.32	2.91	2.45	2.33	2.81	3.17	3.49	3.76	3.76	4.32		
21	4.95		5.23	2.83	2.48	2.27	2.84	3.18	3.50	3.75	3.75	4.33		
22	4.93		5.23	2.88	2.52	2.33	2.86	3.18	3.50	3.77	3.77	4.36		
23	4.92		5.24	2.85	2.56	2.41	2.86	3.19	3.50	3.78	3.78	4.36		
24	4.90		5.24	2.88	2.58	2.43	2.89	3.00	3.53	3.78	3.78	4.35		
25	4.90		4.81	2.71	2.64	2.50	2.87	3.12	3.53	3.79	3.79	4.36		
26	4.90		5.05	2.60	2.61	2.57	2.95	3.26	3.53	3.80	3.80	4.37		
27	4.97		4.09	2.44	2.64	2.20	2.95	3.27	3.55	3.80	3.80	4.37		
28	4.97		4.66	1.67	2.65	2.27	2.93	3.27	3.55	3.84	3.84	4.37		
29	4.97		4.58	1.68		2.37	2.96	3.30	3.56	3.84	3.84	4.37		
30	4.98		4.52	1.75		2.40	2.98	3.30	3.56	3.84	3.84	4.37		
31	4.95		4.48	1.99		2.45		3.28		3.86	3.86			
MEAN	4.86	5.03	5.08	3.23	2.44	2.60	2.73	3.13	3.44	3.71	3.71	4.29	3.58	
MAX.	4.98	5.14	5.32	4.45	2.65	2.83	2.98	3.30	3.56	3.86	3.86	4.37	5.32	
MIN.	4.72	4.95	4.09	1.67	2.17	2.20	2.45	2.98	3.30	3.57	3.57	4.16	1.67	

WWLe	Well No8		Mwambashi		1990/91 Evening								[Water Level (m)]	
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	4.72	4.95		4.43	2.20	2.67	2.45	2.98	3.31	3.57	3.57	4.16		
2	4.72	4.97		4.43	2.30	2.70	2.50	2.99	3.33	3.58	3.58	4.17		
3	4.76	4.99		4.42	2.36	2.71	2.55	2.99	3.33	3.64	3.64	4.17		
4	4.76	5.01		4.36	2.40	2.72	2.55	3.00	3.34	3.63	3.63	4.20		
5	4.76	5.01		4.16	2.45	2.74	2.51	3.00	3.34	3.60	3.60	4.20		
6	4.78	5.01		4.08	2.50	2.74	2.58	3.03	3.35	3.60	3.60	4.22		
7	4.78	5.03	5.22	3.90	2.53	2.75	2.60	3.04	3.35	3.63	3.63	4.24		
8	4.78	5.03	5.28	3.87	2.54	2.73	2.62	3.04	3.35	3.65	3.65	4.25		
9	4.80	5.03	5.27	3.74	2.52	2.72	2.63	3.07	3.37	3.65	3.65	4.26		
10	4.83	5.03	5.27	3.74	2.54	2.76	2.65	3.08	3.39	3.67	3.67	4.27		
11		5.04	5.28	3.75	2.56	2.78	2.68	3.10	3.42	3.67	3.67	4.25		
12		5.14	5.29	3.52	2.43	2.79	2.69	3.10	3.42	3.67	3.67	4.26		
13			5.20	3.34	2.40	2.80	2.72	3.11	3.42	3.69	3.69	4.27		
14			5.28	3.30	2.22	2.80	2.74	3.12	3.42	3.70	3.70	4.33		
15			5.25	3.10	2.18	2.80	2.75	3.15	3.44	3.70	3.70	4.30		
16			5.23	3.12	2.28	2.81	2.75	3.15	3.46	3.72	3.72	4.33		
17	4.86		5.31	3.00	2.32	2.83	2.78	3.17	3.46	3.72	3.72	4.30		
18	4.88		5.30	3.06	2.35	2.57	2.80	3.15	3.49	3.76	3.76	4.30		
19	4.92		5.32	3.01	2.39	2.59	2.80	3.17	3.50	3.70	3.70	4.34		
20	4.95		5.32	2.91	2.40	2.30	2.83	3.17	3.50	3.74	3.74	4.34		
21	4.93		5.23	2.83	2.48	2.29	2.86	3.19	3.50	3.76	3.76	4.39		
22	4.92		5.23	2.86	2.50	2.36	2.86	3.19	3.50	3.77	3.77	4.36		
23	4.92		5.24	2.70	2.54	2.43	2.87	3.00	3.53	3.77	3.77	4.35		
24	4.90		4.04	2.84	2.59	2.49	2.87	3.08	3.53	3.78	3.78	4.35		
25	4.90		5.01	2.76	2.62	2.54	2.89	3.22	3.53	3.80	3.80	4.37		
26	4.97		5.02	2.60	2.63	2.62	2.95	3.27	3.55	3.80	3.80	4.37		
27	4.97		4.90	2.44	2.64	2.24	2.94	3.27	3.55	3.80	3.80	4.37		
28	4.97		4.62	1.68	2.65	2.30	2.93	3.27	3.55	3.83	3.83	4.37		
29	4.97		4.56	1.84		2.38	2.97	3.30	3.55	3.84	3.84	4.37		
30	4.98		5.61	1.89		2.42	2.98	3.00	3.56	3.85	3.85	4.37		
31	4.95		4.72	1.99		2.45		3.00		3.86	3.86			
MEAN	4.87	5.02	5.12	3.22	2.45	2.61	2.74	3.11	3.44	3.71	3.71	4.29	3.58	
MAX.	4.98	5.14	5.61	4.43	2.65	2.83	2.98	3.30	3.56	3.86	3.86	4.39	5.61	
MIN.	4.72	4.95	4.04	1.68	2.18	2.24	2.45	2.98	3.31	3.57	3.57	4.16	1.68	

WWLM	Well No9		Kabulanda		1989/90 Morning							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											4.70	5.00	5.25	
2											4.69	5.03	5.24	
3											4.71	5.04	5.27	
4											4.75	5.05	5.25	
5											4.79	5.11	5.25	
6											4.80	5.10	5.28	
7											4.75	5.07	5.30	
8											4.80	5.10	5.29	
9											4.75	5.11	5.30	
10											4.70	5.15	5.29	
11											4.78	5.14	5.30	
12											4.75	5.17	5.29	
13											4.80	5.20	5.29	
14											4.90	5.19	5.29	
15										4.75	4.80	5.19	5.29	
16										4.75	4.81	5.21	5.30	
17										4.78	4.85	5.17	5.29	
18										4.75	4.83	5.23	5.30	
19										4.81	4.93	5.19	5.28	
20										4.80	4.90	5.24	5.25	
21										4.81	4.89	5.21	5.24	
22										4.82	4.87	5.19	5.43	
23										4.80	4.91	5.20	5.45	
24										4.80	4.93	5.19	5.39	
25										4.77	4.95	5.20	5.43	
26										4.73	4.97	5.21	5.45	
27										4.71	5.00	5.23	5.47	
28										4.73	4.99	5.23	5.46	
29										4.65	4.97	5.24	5.47	
30										4.67	4.96	5.25	5.50	
31											4.95	5.25		
MEAN										4.76	4.84	5.16	5.33	5.06
MAX.										4.82	5.00	5.25	5.50	5.50
MIN.										4.65	4.69	5.00	5.24	4.65

WWLe	Well No9		Kabulanda		1989/90 Evening							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											4.75	5.04	5.29	
2											4.80	5.05	5.26	
3											4.79	5.10	5.28	
4											4.82	5.07	5.27	
5											4.81	5.13	5.25	
6											4.83	5.10	5.29	
7											4.85	5.14	5.30	
8											4.83	5.15	5.30	
9											4.80	5.16	5.30	
10											4.80	5.25	5.30	
11											4.85	5.16	5.30	
12											4.80	5.19	5.30	
13											4.82	5.30	5.29	
14										4.78	4.93	5.23	5.29	
15										4.70	4.83	5.25	5.30	
16										4.65	4.88	5.23	5.30	
17										4.75	4.92	5.25	5.30	
18										4.82	4.89	5.27	5.30	
19										4.87	5.03	5.23	5.29	
20										4.90	4.95	5.25	5.27	
21										4.89	5.00	5.23	5.50	
22										4.91	4.95	5.25	5.45	
23										4.89	4.93	5.23	5.47	
24										4.93	4.99	5.25	5.51	
25										4.81	5.00	5.30	5.52	
26										4.78	5.03	5.24	5.55	
27										4.73	5.01	5.25	5.52	
28										4.75	5.00	5.25	5.59	
29										4.65	4.99	5.25	5.51	
30										4.75	5.03	5.25	5.58	
31											5.05	5.27		
MEAN										4.80	4.90	5.20	5.37	5.10
MAX.										4.93	5.05	5.30	5.59	5.59
MIN.										4.65	4.75	5.04	5.25	4.65

WwLm	Well No10		Mpatamato		1989/90 Morning							[Water Level (m)]		
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1										1.01	1.03	1.03		
2										1.02	1.04	1.01		
3										1.03	1.05	1.02		
4										1.04	1.07	1.04		
5										1.05	1.07	1.02		
6										1.07	1.08	1.02		
7										1.08	1.07	1.03		
8										1.09	1.09	1.03		
9										1.01	1.09	1.04		
10										1.02	1.09	1.05		
11										1.01	1.01	1.06		
12										1.02	1.01	1.07		
13										1.06	1.01	1.07		
14									1.04	1.07	1.01	1.06		
15									1.08	1.05	1.02	1.09		
16									1.09	1.09	1.02	1.09		
17									1.01	1.09	1.03	1.07		
18									1.03	1.03	1.03	1.01		
19									1.05	1.01	1.04	1.02		
20									1.05	1.03	1.04	1.02		
21									1.07	1.04	1.05	1.02		
22									1.08	1.05	1.06	1.05		
23									1.02	1.06	1.05	1.05		
24									1.01	1.07	1.06	1.05		
25									1.02	1.09	1.06	1.07		
26									1.04	1.09	1.07	1.08		
27									1.05	1.09	1.07	1.09		
28									1.06	1.02	1.08	1.08		
29									1.08	1.01	1.08	1.01		
30									1.09	1.02	1.06	1.08		
31										1.02	1.06			
MEAN									1.05	1.05	1.05	1.05	1.05	
MAX.									1.09	1.09	1.09	1.09	1.09	
MIN.									1.01	1.01	1.01	1.01	1.01	

WwLm	Well No10		Mpatamato		1989/90 Evening							[Water Level (m)]		
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1										1.01	1.07	1.04		
2										1.06	1.05	1.07		
3										1.04	1.09	1.05		
4										1.08	1.06	1.09		
5										1.02	1.09	1.06		
6										1.03	1.09	1.05		
7										1.05	1.08	1.02		
8										1.06	1.03	1.07		
9										1.03	1.07	1.04		
10										1.04	1.03	1.03		
11										1.05	1.03	1.09		
12										1.06	1.04	1.01		
13									1.01	1.03	1.02	1.03		
14									1.06	1.09	1.08	1.09		
15									1.03	1.05	1.04	1.01		
16									1.07	1.03	1.07	1.01		
17									1.01	1.05	1.07	1.07		
18									1.09	1.05	1.09	1.08		
19									1.09	1.09	1.07	1.06		
20									1.02	1.04	1.09	1.02		
21									1.01	1.07	1.09	1.05		
22									1.09	1.06	1.09	1.06		
23									1.11	1.08	1.03	1.09		
24									1.06	1.08	1.03	1.01		
25									1.08	1.05	1.04	1.09		
26									1.07	1.01	1.06	1.09		
27									1.01	1.04	1.02	1.01		
28									1.02	1.04	1.08	1.01		
29									1.05	1.05	1.06	1.08		
30									1.01	1.05	1.02	1.03		
31										1.02	1.04			
MEAN									1.05	1.05	1.06	1.05	1.05	
MAX.									1.11	1.09	1.09	1.09	1.11	
MIN.									1.01	1.01	1.02	1.01	1.01	

WVLM	Well No10			Mpatamato										1990/91 Morning	[Water Level (m)]
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	1.02	1.41		
2	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	1.01	1.09		
3	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	1.04	1.41		
4	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	1.05	1.41		
5	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.02	1.06	1.01		
6	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	1.08	1.02		
7	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	1.09	1.02		
8	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	1.21	1.02		
9	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	1.21	1.03		
10	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	1.02	1.04		
11	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	1.01	1.05		
12	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.91	1.04	1.06		
13	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.02	1.05	1.06		
14	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.02	1.06	1.06		
15	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.03	1.07	1.07		
16	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	1.08	1.08		
17	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	1.09	1.09		
18	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	1.09	1.51		
19	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	1.31	1.51		
20	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	1.01	1.51		
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.07	1.02	1.51		
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	1.03	1.03		
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.02	1.03	1.02		
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.04	1.04	1.04	1.04		
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.05	1.07	1.05	1.04		
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	1.07	1.05	1.04		
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	1.08	1.06	1.05		
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.03	1.11	1.07	1.06		
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	1.11	1.08	1.07		
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.04	1.01	1.08	1.05		
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	1.01	1.09			
MEAN	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.38	1.07	1.15	0.28	
MAX.	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.51	1.11	1.31	1.51	1.51	
MIN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.01	1.01	0.00	

WVLe	Well No10			Mpatamato										1990/91 Evening	[Water Level (m)]
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.91	1.04	1.04		
2	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	1.03	1.07		
3	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03	1.05	1.31		
4	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	1.06	1.04		
5	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	1.21	1.03		
6	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.91	1.08	1.09		
7	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.01	1.02	1.06		
8	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	1.09	1.05		
9	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05	1.07	1.71		
10	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.06	1.07	1.04		
11	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.05	1.07	1.05		
12	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.81	1.02	1.81		
13	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.05	1.07	1.02		
14	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	1.09	1.07		
15	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	1.04	1.03		
16	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	1.09	1.06		
17	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.01	1.06	1.91		
18	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.11	1.02	1.03		
19	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	1.03	1.05	1.03		
20	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.05	1.06	1.03		
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.04	1.05	1.81		
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.08	1.41	1.03		
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	1.06	1.04	1.05		
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	1.03	1.07	1.04		
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	1.02	1.41	1.01		
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	1.09	1.01	1.91		
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	1.03	1.05	1.91		
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	1.07	1.08	1.08		
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.05	1.11	1.04	1.06		
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	1.04	1.06	1.04		
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.05	1.07			
MEAN	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.61	1.08	1.21	0.31	
MAX.	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.71	1.11	1.41	1.91	1.91	
MIN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.01	1.01	0.00	

WWLm	Wall No11			Machiya Ferry			1990/91 Morning						[Water Level (m)]	
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	6.26	6.35	6.36	6.26	3.30	2.88	2.74	3.14	3.66	4.26	4.76	5.26		
2	6.26	6.40	6.36	6.02	3.26	2.86	2.66	3.16	3.69	4.01	4.84	5.41		
3	6.21	6.40	6.34	5.98	3.14	2.86	2.61	3.14	3.69	4.15	4.76	5.21		
4	6.22	6.41	6.36	5.86	3.11	2.91	2.75	3.19	3.78	4.12	4.86	5.16		
5	6.26	6.41	6.36	5.99	3.34	2.92	2.78	3.32	3.78	4.16	4.89	5.21		
6	6.24	6.39	6.38	5.66	3.02	2.99	2.81	3.12	3.71	4.19	4.75	5.20		
7	6.19	6.37	6.32	5.60	3.14	2.94	2.86	3.23	3.74	4.15	4.72	5.21		
8	6.21	6.36	6.27	5.54	3.06	2.86	2.81	3.19	3.86	4.36	4.80	5.26		
9	6.24	6.23	6.36	5.48	3.06	3.01	2.82	3.26	3.86	4.39	4.78	5.41		
10	6.20	6.29	6.36	5.49	3.06	2.99	2.84	3.31	3.71	4.36	4.76	5.41		
11	6.23	6.20	6.34	5.44	3.09	2.96	2.86	3.33	3.74	4.41	4.81	5.36		
12	6.25	6.26	6.34	5.44	3.08	2.94	2.76	3.41	3.69	4.41	4.79	5.45		
13	6.23	6.26	6.23	5.29	3.06	3.16	2.86	3.30	3.71	4.41	4.76	4.56		
14	6.21	6.24	6.39	5.27	3.01	2.99	2.96	3.31	3.74	4.71	4.80	5.35		
15	6.22	6.23	6.35	5.22	2.95	3.19	2.87	3.32	3.72	4.56	4.91	5.61		
16	6.33	6.23	6.34	5.36	2.91	3.22	2.86	3.31	3.70	4.45	4.94	5.35		
17	6.32	6.24	6.36	5.18	2.86	2.81	2.86	3.46	4.03	4.49	4.98	5.41		
18	6.34	6.27	6.35	5.16	2.84	2.96	2.86	3.47	4.16	4.56	5.01	5.41		
19	6.45	6.27	6.32	5.21	2.76	2.96	2.91	3.42	4.21	4.61	5.16	5.39		
20	6.37	6.29	6.32	4.91	2.76	2.84	2.87	3.44	4.06	4.58	5.21	5.41		
21	6.31	6.26	6.38	4.85	2.81	2.86	2.96	3.48	4.11	4.56	4.94	5.40		
22	6.36	6.32	6.39	4.76	2.90	2.69	3.01	3.56	4.16	4.56	5.12	5.43		
23	6.36	6.27	6.36	4.71	2.91	2.76	3.06	3.51	4.11	4.61	5.11	5.43		
24	6.36	6.31	6.36	4.65	2.91	2.82	3.01	3.49	4.06	4.66	5.15	5.42		
25	6.31	6.33	6.36	4.54	2.86	2.66	3.11	3.54	4.16	4.81	5.11	5.41		
26	6.39	6.38	6.34	4.46	2.73	2.74	3.16	3.49	4.16	4.86	5.16	5.40		
27	6.36	6.31	6.34	4.26	2.92	2.71	3.08	3.53	4.16	4.88	5.10	5.39		
28	6.36	6.36	6.36	4.06	2.86	2.61	3.08	3.53	4.21	4.91	5.14	5.38		
29	6.31	6.28	6.26	3.83	2.74	2.74	3.10	3.54	4.26	4.62	5.11	5.37		
30	6.37	6.39	6.36	3.56	2.76	2.76	3.21	3.64	4.31	4.74	5.16	5.36		
31	6.39	6.31	3.62	2.74	3.66	4.91	5.21							
MEAN	6.29	6.31	6.34	5.09	2.99	2.88	2.90	3.38	3.93	4.50	4.95	5.33	4.59	
MAX.	6.45	6.41	6.39	6.26	3.34	3.22	3.21	3.66	4.31	4.91	5.21	5.61	6.45	
MIN.	6.19	6.20	6.23	3.56	2.73	2.61	2.61	3.12	3.66	4.01	4.72	4.56	2.61	

WWLe	Wall No11			Machiya Ferry			1990/91 Evening						[Water Level (m)]	
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	6.32	6.37	6.34	6.02	3.26	2.91	2.71	3.21	3.69	4.34	4.84	5.41		
2	6.33	6.40	6.34	5.96	3.14	2.92	2.69	3.14	3.74	4.34	4.88	5.46		
3	6.26	6.36	6.36	5.91	3.06	2.93	2.66	3.19	3.76	4.32	4.86	5.16		
4	6.30	6.37	6.36	5.01	3.04	2.96	2.76	3.16	3.81	4.28	4.89	5.21		
5	6.32	6.34	6.38	5.86	3.28	2.96	2.81	3.16	3.76	4.35	4.91	5.23		
6	6.30	6.40	6.45	5.61	3.09	3.01	2.86	3.24	3.74	4.38	5.02	5.21		
7	6.28	6.31	6.35	5.60	3.16	2.96	2.88	3.11	3.88	4.36	4.91	5.26		
8	6.30	6.25	6.34	5.48	3.13	3.02	2.82	3.32	3.91	4.39	4.86	5.41		
9	6.27	6.29	6.32	5.52	3.11	3.06	2.89	3.31	3.92	4.44	4.84	5.46		
10	6.29	6.29	6.34	5.49	3.13	3.02	2.86	3.33	3.86	4.41	4.87	5.36		
11	6.27	6.24	6.31	5.46	3.11	3.06	2.91	3.41	3.91	4.44	4.90	5.48		
12	6.28	6.26	6.24	5.56	3.16	2.86	2.86	3.30	3.88	4.45	4.86	5.51		
13	6.32	6.26	6.36	5.41	3.02	3.11	2.91	3.41	3.94	4.46	4.85	5.47		
14	6.26	6.28	6.36	5.36	3.03	2.96	2.99	3.36	3.98	4.76	4.80	5.61		
15	6.29	6.26	6.35	5.41	2.94	3.13	2.91	3.34	4.01	4.45	4.94	5.66		
16	6.34	6.29	6.36	5.56	2.91	2.96	2.81	3.36	4.04	4.49	4.98	5.56		
17	6.35	6.26	6.35	5.26	2.88	2.94	2.91	3.48	4.16	4.56	5.01	5.46		
18	6.36	6.26	6.31	5.34	2.86	3.01	2.94	3.42	4.21	4.61	5.16	5.48		
19	6.43	6.31	6.36	5.31	2.81	2.84	2.94	3.44	4.24	4.58	5.21	5.51		
20	6.41	6.36	6.41	5.26	2.81	2.86	2.89	3.51	4.11	4.71	5.46	5.51		
21	6.36	6.32	6.36	5.31	2.91	2.82	3.01	3.56	4.16	4.66	5.12	5.53		
22	6.34	6.31	6.36	4.71	2.94	2.86	3.06	3.61	4.19	4.66	5.21	5.51		
23	6.29	6.34	6.36	4.88	2.91	2.79	3.01	3.56	4.24	4.71	5.15	5.54		
24	6.30	6.37	6.39	4.71	2.90	2.81	3.06	3.54	4.21	5.01	5.19	5.51		
25	6.36	6.31	6.36	4.47	2.76	2.71	3.06	3.66	4.21	4.86	5.16	5.53		
26	6.29	6.26	6.39	4.26	2.86	2.71	2.96	3.51	4.22	4.88	5.18	5.51		
27	6.39	6.33	6.38	4.21	2.76	2.66	3.11	3.64	4.21	4.91	5.14	5.51		
28	6.31	6.26	6.23	3.81	2.91	2.76	3.16	3.55	4.26	4.62	5.21	5.50		
29	6.33	6.26	6.31	3.56	2.69	2.69	3.18	3.56	4.31	4.74	5.16	5.50		
30	6.34	6.36	6.31	3.62	2.68	2.68	3.26	3.66	4.34	4.91	5.26	5.49		
31	6.27	6.26	3.62	2.59	3.71	4.94	5.21							
MEAN	6.32	6.31	6.35	5.08	3.00	2.89	2.93	3.41	4.03	4.58	5.03	5.45	4.63	
MAX.	6.43	6.40	6.45	6.02	3.28	3.13	3.26	3.71	4.34	5.01	5.46	5.66	6.45	
MIN.	6.26	6.24	6.23	3.56	2.76	2.59	2.66	3.11	3.69	4.28	4.80	5.16	2.59	

WVLm	Well No11			Machiya Ferry			1989/90 Morning						[Water Level (m)]	
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1										5.31	5.49	6.10		
2										5.19	5.56			
3										5.24	5.54	6.21		
4										5.16	5.51	5.91		
5										5.29	5.69	5.95		
6										5.25	5.56	5.99		
7										5.18	5.56	6.17		
8										5.31	5.76	6.19		
9										5.26	5.66	6.18		
10										5.56	5.61	6.21		
11										5.31	5.59	5.96		
12										5.31	5.80	6.21		
13									4.81	5.31	5.76	6.36		
14									4.96	5.30	5.66	6.34		
15									4.96	5.41	5.86	6.26		
16									4.86	5.36	5.86	6.31		
17									5.01	5.46	5.81	6.34		
18									5.02	5.46	5.91	6.26		
19									5.06	5.41	6.23	6.26		
20									5.01	5.41	5.96	6.28		
21									5.05	5.44	6.16	6.31		
22									5.18	5.34	6.20	6.31		
23									5.26	5.41	5.96	6.31		
24									5.21	5.32	5.91	6.31		
25									5.06	5.30	6.06	6.28		
26									5.14	5.40	6.06	6.32		
27									5.16	5.51	5.94	6.27		
28									5.19	5.49	6.33	6.36		
29									5.16	5.71	5.86	6.34		
30									5.13	5.59	6.28	6.28		
31										5.59	6.31			
MEAN									5.07	5.37	5.85	6.23	5.69	
MAX.									5.26	5.71	6.33	6.36	6.36	
MIN.									4.81	5.16	5.49	5.91	4.81	

WVLs	Well No11			Machiya Ferry			1989/90 Evening						[Water Level (m)]	
N=N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1										5.26	5.74			
2										5.21	5.74	6.31		
3										5.26	5.64	6.17		
4										5.36	5.73	6.22		
5										5.32	5.95	6.13		
6										5.31	5.74	6.10		
7										5.36	5.74	6.20		
8										5.41	5.66	6.16		
9										5.41	5.76	6.17		
10										5.41	5.91	6.16		
11										5.49	5.73	6.11		
12									5.14	5.49	6.00	6.17		
13									5.16	5.50	6.06	6.22		
14									5.06	5.49	5.71	6.34		
15									5.06	5.51	5.96	6.32		
16									4.96	5.54	6.16	6.34		
17									5.11	5.64	6.14	6.26		
18									5.05	5.64	6.19	6.31		
19									5.16	5.61	6.36	6.32		
20									5.11	5.61	6.16	6.36		
21									5.36	5.65	6.13	6.34		
22									5.31	5.56	6.21	6.34		
23									5.36	5.66	6.18	6.33		
24									5.26	5.60	6.19	6.35		
25									5.16	5.64	6.26	6.34		
26									5.31	5.61	6.33	6.33		
27									5.36	5.73	6.22	6.31		
28									5.32	5.74	6.26	6.30		
29									5.41	5.66	6.34	6.26		
30									5.39	5.73	6.33	6.33		
31										5.73	6.26			
MEAN									5.21	5.52	6.03	6.26	5.81	
MAX.									5.41	5.74	6.36	6.36	6.36	
MIN.									4.96	5.21	5.64	6.10	4.96	

WwLm	Well No12		Chilenga		1989/90 Morning							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											1.71	2.25	2.18	
2											1.75	2.45	2.20	
3											1.77	2.25	2.21	
4											1.75	2.35	2.23	
5											1.79	2.35	2.21	
6											1.79	2.45	2.20	
7											1.79	2.45	2.20	
8											1.79	2.55	2.24	
9											1.81	2.65	2.25	
10											1.81	2.55	2.25	
11											1.81	2.75	2.25	
12											1.82	2.75	2.25	
13										1.58	1.82	2.05	2.25	
14										1.57	1.83	2.06	2.25	
15										1.62	1.85	2.06	2.26	
16										1.62	1.87	2.12	2.30	
17										1.64	1.86	2.07	2.29	
18										1.63	1.90	2.07	2.30	
19										1.63	1.87	2.07	2.30	
20										1.67	1.90	2.10	2.33	
21										1.65	1.90	2.10	2.32	
22										1.68	1.89	2.11	2.32	
23										1.67	1.92	2.14	2.31	
24										1.69	1.91	2.12	2.33	
25										1.68	1.91	2.11	2.33	
26										1.70	1.92	2.14	2.35	
27										1.70	1.92	2.14	2.35	
28										1.71	1.94	2.14	2.35	
29										1.73	1.93	2.16	2.35	
30										1.74	1.94	2.18	2.37	
31											2.25	2.18		
MEAN										1.66	1.86	2.26	2.28	2.05
MAX.										1.74	2.25	2.75	2.37	2.75
MIN.										1.57	1.71	2.05	2.18	1.57

WwLe	Well No12		Chilenga		1989/90 Evening							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											1.79	2.55	2.15	
2											1.79	2.25	2.15	
3											1.76	2.35	2.18	
4											1.78	2.35	2.24	
5											1.77	2.35	2.23	
6											1.81	2.85	2.23	
7											1.78	2.45	2.33	
8											1.80	2.75	2.33	
9											1.82	2.85	2.31	
10											1.82	2.85	2.31	
11											1.83	2.06	2.29	
12										1.64	1.84	2.07	2.26	
13										1.66	1.84	2.07	2.29	
14										1.59	1.84	2.07	2.26	
15										1.58	1.87	2.09	2.31	
16										1.63	1.85	2.07	2.31	
17										1.65	1.90	2.07	2.29	
18										1.67	1.90	2.07	2.32	
19										1.66	1.86	2.05	2.32	
20										1.68	1.92	2.14	2.33	
21										1.70	1.93	2.11	2.32	
22										1.69	1.91	2.14	2.35	
23										1.71	1.93	2.16	2.39	
24										1.69	1.92	2.12	2.35	
25										1.70	1.92	2.19	2.39	
26										1.72	1.93	2.19	2.39	
27										1.73	1.92	2.17	2.39	
28										1.74	1.94	2.19	2.39	
29										1.78	1.94	2.19	2.41	
30										1.81	1.94	2.15	2.43	
31											2.65	2.15		
MEAN										1.69	1.89	2.26	2.31	2.07
MAX.										1.81	2.65	2.85	2.43	2.85
MIN.										1.58	1.76	2.05	2.15	1.58

WWLm	Well No12			Chilenga		1990/91 Morning						[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.38	2.62		1.32	1.05	0.65	0.67	1.10	1.26	1.56	1.76	2.00		
2	2.38	2.63		1.39	1.06	0.75	0.67	1.11	1.26	1.56	1.78	2.01		
3	2.38	2.63		1.38	1.07	0.60	0.67	1.12	1.27	1.57	1.77	2.01		
4	2.40	2.65		1.28	1.09	0.45	0.70	1.05	1.32	1.57	1.77	2.02		
5	2.40	2.65		1.27	1.07	0.65	0.69	1.05	1.34	1.58	1.78	2.03		
6	2.42	2.66		1.27	1.10	0.70	0.68	1.05	1.35	1.58	1.78	2.03		
7	2.43	2.68		1.17	1.11	0.66	0.70	1.06	1.37	1.58	1.79	2.05		
8	2.45	2.68		1.16	1.12	0.66	0.70	1.06	1.37	1.59	1.79	2.05		
9	2.43	2.70		1.20	1.12	0.68	0.70	1.08	1.36	1.59	1.79	2.07		
10	2.42	2.70	2.59	1.20	1.11	0.68	0.73	1.09	1.36	1.61	1.81	2.08		
11	2.44	2.70	2.66	1.19	1.06	0.68	0.74	1.10	1.40	1.60	1.82	2.10		
12	2.45	2.72	2.28	1.20	1.07	0.70	0.75	1.11	1.40	1.63	1.83	2.10		
13	2.46	2.72	2.37	1.20	1.08	0.67	0.75	1.12	1.41	1.71	1.83	2.10		
14	2.45	2.73	2.39	1.18	1.07	0.69	0.82	1.12	1.41	1.65	1.84	2.10		
15	2.48	2.74	2.42	1.17	0.85	0.70	0.81	1.12	1.41	1.65	1.86	2.11		
16	2.50	2.75	2.44	1.18	0.86	0.71	0.82	1.11	1.41	1.67	1.87	2.11		
17	2.51	2.75	2.47	1.15	0.75	0.65	0.82	1.14	1.41	1.67	1.89	2.13		
18	2.50	2.76	2.50	1.16	0.65	0.59	0.84	1.14	1.44	1.67	1.89	2.14		
19	2.58	2.76	1.10	1.18	0.75	0.57	0.86	1.18	1.44	1.69	1.89	2.19		
20	2.46	2.77	1.03	1.14	0.85	0.60	0.87	1.17	1.50	1.70	1.92	2.18		
21	2.61	2.78	1.03	1.15	0.85	0.55	0.87	1.17	1.46	1.70	1.93	2.17		
22	2.54	2.78	1.48	1.13	0.85	0.56	0.90	1.21	1.47	1.71	1.94	2.19		
23	2.53	2.80	1.45	1.16	0.65	0.57	0.93	1.20	1.47	1.71	1.94	2.19		
24	2.55	2.80	1.45	1.17	0.75	0.58	0.92	1.24	1.47	1.72	1.94	2.21		
25	2.58	2.81	1.45	1.10	0.75	0.59	0.93	1.27	1.48	1.72	1.94	2.21		
26	2.56	2.82	1.48	1.07	0.85	0.60	0.93	1.27	1.53	1.72	1.96	2.22		
27	2.57	2.82	1.49	1.07	0.75	0.60	0.93	1.27	1.53	1.72	1.96	2.22		
28	2.57	2.85	1.45	1.07	0.65	0.62	0.92	1.27	1.53	1.74	1.97	2.24		
29	2.60	2.89	1.36	1.03		0.63	0.91	1.27	1.53	1.74	1.98	2.22		
30	2.60		1.50	0.85		0.59	0.91	1.26	1.54	1.78	1.99	2.20		
31	2.60		1.46	1.05		0.61		1.25		1.79	1.99			
MEAN	2.49	2.74	1.81	1.17	0.93	0.63	0.80	1.15	1.42	1.66	1.87	2.12	1.56	
MAX.	2.61	2.89	2.66	1.39	1.12	0.75	0.93	1.27	1.54	1.79	1.99	2.24	2.89	
MIN.	2.38	2.62	1.03	0.85	0.65	0.45	0.67	1.05	1.26	1.56	1.76	2.00	0.45	

WWLe	Well No12			Chilenga		1990/91 Evening						[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.41	2.66			1.40	1.04	0.64	0.66	1.13	1.25	1.60	1.80	2.01	
2	2.41	2.67			1.41	1.03	0.74	0.64	1.14	1.25	1.60	1.77	2.02	
3	2.41	2.65			1.37	1.05	0.60	0.66	1.06	1.31	1.60	1.78	2.03	
4	2.45	2.67			1.30	1.06	0.45	0.67	1.06	1.36	1.61	1.80	2.04	
5	2.45	2.70			1.28	1.05	0.64	0.72	1.07	1.37	1.61	1.80	2.04	
6	2.45	2.73			1.16	1.08	0.70	0.71	1.08	1.37	1.61	1.80	2.06	
7	2.49	2.68			1.17	1.06	0.64	0.68	1.08	1.38	1.62	1.81	2.06	
8	2.39	2.73			1.20	1.10	0.66	0.72	1.10	1.39	1.62	1.82	2.08	
9	2.43	2.73			1.18	1.09	0.70	0.72	1.12	1.40	1.62	1.83	2.09	
10	2.44	2.73	2.63		1.16	1.07	0.69	0.72	1.12	1.42	1.63	1.83	2.11	
11	2.48	2.74	2.61		1.17	1.06	0.70	0.77	1.13	1.42	1.64	1.84	2.11	
12	2.48	2.74	2.25		1.19	1.06	0.70	0.78	1.13	1.43	1.65	1.84	2.12	
13	2.48	2.74	2.37		1.19	1.09	0.67	0.80	1.14	1.43	1.67	1.84	2.12	
14	2.53	2.76	2.37		1.18	1.07	0.70	0.80	1.13	1.44	1.72	1.85	2.13	
15	2.56	2.77	2.43		1.20	0.65	0.70	0.80	1.13	1.44	1.69	1.85	2.13	
16	2.54	2.80	2.46		1.19	0.85	0.68	0.80	1.13	1.44	1.69	1.90	2.14	
17	2.55	2.80	2.48		1.13	0.55	0.60	0.79	1.13	1.46	1.70	1.91	2.15	
18	2.62	2.80	2.50		1.20	0.55	0.59	0.90	1.11	1.47	1.70	1.91	2.21	
19	2.53	2.77	1.03		1.15	0.65	0.58	0.90	1.15	1.51	1.71	1.93	2.21	
20	2.50	2.77	1.01		1.13	0.55	0.57	0.89	1.16	1.51	1.72	1.94	2.23	
21	2.49	2.77	1.47		1.15	0.75	0.55	0.92	1.15	1.53	1.72	1.96	2.22	
22	2.59	2.80	1.44		1.15	0.55	0.57	0.94	1.23	1.54	1.73	1.96	2.23	
23	2.63	2.80	1.45		1.15	0.45	0.58	0.94	1.25	1.54	1.73	1.96	2.23	
24	2.60	2.80	1.37		1.12	0.35	0.59	0.94	1.27	1.54	1.72	1.96	2.23	
25	2.62	2.81	1.44		1.09	0.55	0.60	0.94	1.29	1.46	1.55	1.96	2.23	
26	2.64	2.82	1.46		1.06	0.65	0.60	0.93	1.27	1.46	1.74	1.97	2.24	
27	2.63	2.84	1.45		1.08	0.45	0.61	0.93	1.27	1.55	1.75	1.99	2.25	
28	2.64	2.87	1.48		1.06	0.55	0.62	0.92	1.27	1.55	1.75	1.99	2.23	
29	2.64	2.85	1.35		1.05		0.61	0.91	1.26	1.47	1.81	2.01	2.21	
30	2.64		1.46		0.95		0.60	1.13	1.25	1.60	1.82	2.01	2.19	
31	2.65		1.44		1.05		0.59		1.26		1.81	2.01		
MEAN	2.53	2.76	1.82		1.17	0.82	0.63	0.82	1.16	1.44	1.69	1.89	2.15	1.57
MAX.	2.65	2.87	2.63		1.41	1.10	0.74	1.13	1.29	1.60	1.82	2.01	2.25	2.87
MIN.	2.39	2.65	1.01		0.95	0.35	0.45	0.64	1.06	1.25	1.60	1.77	2.01	0.35

WVL.m		Well No14		Lupemba		1989/90 Morning						[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
	1											5.01	5.52	
	2											5.24	5.56	
	3											5.15	5.57	
	4										4.71	5.15	5.74	
	5										4.69	5.17	5.70	
	6										4.68	5.07	5.78	
	7										4.77	5.18	5.81	
	8										4.75	4.83	5.85	
	9										4.77	5.24	5.75	
	10										4.81	4.98	5.54	
	11										4.77	4.84	6.26	
	12										4.80	5.30	5.75	
	13										4.81	5.26	5.45	
	14										4.84	5.29	5.91	
	15										4.91	5.31	6.00	
	16										4.90	5.27	5.46	
	17										4.94	5.29	6.24	
	18										4.85	5.31	5.36	
	19										4.87	5.34	6.18	
	20										4.90	5.41	6.20	
	21										4.98	1.45	6.24	
	22										4.93	5.51	6.36	
	23										5.00	5.47	6.39	
	24										4.96	5.52	6.18	
	25										5.15	5.52	5.35	
	26										4.94	5.48	6.32	
	27										4.93	5.47	6.06	
	28										4.96	5.57	6.34	
	29										5.21	5.50	6.40	
	30										4.96	5.51	6.37	
	31										5.01	5.44		
MEAN											4.89	5.16	5.92	5.33
MAX.											5.21	5.57	6.40	6.40
MIN.											4.58	1.45	5.35	1.45

WVL.m		Well No14		Lupemba		1989/90 Evening						[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
	1											5.45	5.82	
	2											5.47	5.77	
	3										5.20	5.24	6.07	
	4										4.99	5.48	6.00	
	5										4.90	5.41	6.29	
	6										5.06	5.27	6.26	
	7										5.08	5.34	6.34	
	8										4.96	5.63	6.07	
	9										5.12	5.67	6.27	
	10										4.93	5.65	6.43	
	11										5.07	5.63	6.32	
	12										4.85	5.37	6.24	
	13										5.16	5.54	6.30	
	14										5.10	5.45	6.45	
	15										5.06	4.82	6.48	
	16										4.97	5.84	6.35	
	17										4.97	5.79	6.45	
	18										5.07	5.69	6.46	
	19										5.07	5.59	6.57	
	20										5.33	5.70	7.10	
	21										5.14	5.80	7.06	
	22										5.33	5.61	6.90	
	23										5.15	5.72	6.67	
	24										5.46	5.67	6.75	
	25										5.20	5.61	7.15	
	26										5.17	5.80	6.90	
	27										5.16	5.95	7.02	
	28										5.35	5.95	6.76	
	29										5.24	5.79	7.04	
	30										5.22	6.00	6.54	
	31										5.35	5.88		
MEAN											5.13	5.61	6.49	5.75
MAX.											5.46	6.00	7.15	7.15
MIN.											4.86	4.82	5.77	4.82

WHLm	Well No14			Lupemba										1990/91 Morning [Water Level (m)]												
N=N	=====																									
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL													
1	6.32	6.90	6.92	5.33	1.87	2.46	2.38	3.14	4.03	4.60	4.94	6.05														
2	6.28	6.89	6.87	5.23	2.04	2.35	2.43	3.18	4.04	4.62	4.94	6.05														
3	6.24	6.85	6.95	4.87	1.97	2.55	2.47	3.21	4.06	4.64	4.95	5.37														
4	6.50	6.92	6.83	4.55	1.99	2.75	2.52	3.23	4.10	4.63	4.97	5.36														
5	6.42	6.80	6.72	4.30	2.08	2.37	2.62	3.25	4.10	4.64	5.00	6.15														
6	6.37	6.75	6.77	3.87	1.87	3.15	2.61	3.45	4.14	4.65	5.01	5.42														
7	6.44	6.89	6.71	3.74	2.15	2.75	2.67	3.55	4.15	4.67	5.02	5.35														
8	6.39	6.92	6.60	3.78	1.92	2.85	2.65	3.75	4.16	4.68	5.03	6.15														
9	6.55	6.89	6.69	3.60	1.95	2.47	2.67	3.35	4.17	4.70	4.99	5.38														
10	6.60	6.92	6.64	3.60	1.94	2.50	2.68	3.35	4.19	4.69	5.03	5.39														
11	6.72	6.85	6.57	3.57	1.95	2.54	2.70	3.38	4.22	4.72	5.07	5.44														
12	6.54	6.81	6.54	3.65	1.98	2.60	2.73	3.40	4.23	4.74	5.06	5.43														
13	6.63	6.77	6.50	3.63	1.97	2.40	2.75	3.41	4.24	4.75	5.09	5.47														
14	6.45	6.88	6.40	3.70	1.98	2.41	2.78	3.47	4.26	4.76	5.13	5.50														
15	6.47	6.86	6.46	3.29	1.88	2.47	2.81	3.49	4.28	4.77	5.11	5.53														
16	6.56	6.88	6.38	2.76	1.87	2.48	2.83	3.52	4.30	4.79	5.10	5.52														
17	6.48	6.88	6.38	2.69	1.90	2.53	2.85	3.56	4.32	4.82	5.12	5.62														
18	6.43	6.85	6.36	2.61	1.99	2.51	2.89	3.58	4.33	4.80	5.10	5.53														
19	6.59	6.86	6.32	2.62	2.07	2.43	2.92	3.60	4.36	4.79	5.12	5.59														
20	6.37	6.89	6.15	2.46	2.18	2.45	2.95	3.64	4.38	4.82	5.11	5.51														
21	6.79	6.87	6.14	2.24	2.45	2.08	2.96	3.68	4.38	4.83	5.09	5.52														
22	6.57	6.37	6.12	2.12	3.15	2.17	2.98	3.71	4.43	4.82	5.15	5.53														
23	6.27	6.43	6.04	2.10	3.05	2.15	2.99	3.73	4.43	4.82	5.20	5.55														
24	6.26	6.66	6.12	2.03	2.48	2.25	3.03	3.76	4.43	4.86	5.10	5.61														
25	6.77	6.90	6.00	1.82	2.51	3.05	3.04	3.80	4.45	4.87	5.19	5.70														
26	6.94	6.87	5.96	1.82	2.52	2.22	3.06	3.83	4.48	4.85	5.20	5.74														
27	6.94	6.88	6.00	1.84	2.38	1.93	3.05	3.80	4.49	4.89	5.25	5.72														
28	6.85	6.84	5.90	1.83	2.46	1.96	3.10	3.87	4.51	4.91	5.45	5.73														
29	6.82	6.91	5.85	1.82		2.09	3.12	3.91	4.50	4.90	5.35	5.73														
30	6.99	6.85	5.65	1.85		2.19	3.14	3.95	4.55	4.94	5.35	5.75														
31	6.82		5.48	1.88		2.95		3.97		5.00	5.55															
MEAN	6.56	6.83	6.36	3.07	2.16	2.45	2.81	3.57	4.29	4.77	5.12	5.61	4.48													
MAX.	6.99	6.92	6.95	5.33	3.15	3.15	3.14	3.97	4.55	5.00	5.55	6.15	6.99													
MIN.	6.24	6.37	5.48	1.82	1.87	1.93	2.38	3.14	4.03	4.60	4.94	5.35	1.82													

WHLm	Well No14			Lupemba										1990/91 Evening [Water Level (m)]												
N=N	=====																									
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL													
1	6.52	7.12	7.15	5.45	1.92	2.48	2.42	3.21	4.05	4.70	5.05	5.56														
2	7.00	7.02	7.05	5.05	1.98	2.75	2.45	3.23	4.10	4.72	5.06	5.64														
3	6.89	7.09	7.06	4.85	1.99	2.85	2.51	3.23	4.13	4.70	5.10	5.63														
4	6.80	6.99	7.11	4.57	2.07	2.44	2.54	3.19	4.16	4.71	5.16	5.64														
5	6.97	6.98	7.07	4.06	1.94	2.51	2.63	3.75	4.17	4.72	5.17	5.59														
6	6.94	7.13	6.82	3.89	2.65	2.39	2.70	3.35	4.21	4.71	5.18	5.50														
7	7.00	7.07	6.80	3.68	1.93	2.44	2.70	3.95	4.19	4.75	5.19	5.58														
8	6.95	7.04	6.78	3.57	1.94	2.47	2.71	3.36	4.21	4.78	5.22	5.62														
9	6.97	6.91	6.79	3.60	1.48	2.51	2.73	3.33	4.21	4.76	5.17	5.59														
10	7.07	7.05	6.77	3.66	2.00	2.55	2.74	3.37	4.24	4.79	5.22	5.71														
11	7.05	6.95	6.75	3.68	1.90	2.58	2.75	3.35	4.26	4.80	5.17	5.63														
12	7.03	6.98	6.60	3.70	2.00	2.62	2.78	3.43	4.28	4.81	5.25	5.67														
13	6.96	6.95	6.54	3.71	2.03	2.39	2.79	3.46	4.29	4.82	5.15	5.79														
14	6.90	6.94	6.46	3.75	1.90	2.45	2.87	3.50	4.30	4.84	5.23	5.73														
15	7.23	6.97	6.52	2.95	1.90	2.48	2.87	3.53	4.33	4.87	5.45	5.75														
16	6.90	7.00	6.49	2.78	1.92	2.52	2.90	3.55	4.35	4.88	5.95	5.83														
17	6.79	6.98	6.45	2.68	1.96	2.55	2.89	3.59	4.38	4.86	5.65	5.74														
18	6.91	6.97	6.47	2.65	2.04	2.44	2.98	3.62	4.39	4.85	6.05	5.86														
19	7.24	7.02	6.34	2.50	2.17	2.47	2.99	3.65	4.41	4.90	5.95	5.67														
20	7.05	7.00	6.25	2.42	2.23	2.12	2.97	3.68	4.43	4.91	5.55	5.73														
21	7.07	6.96	7.22	2.19	3.15	2.14	3.00	3.74	4.45	4.88	5.35	5.65														
22	7.15	6.97	6.22	2.13	3.05	2.13	3.03	3.78	4.47	4.96	5.45	5.67														
23	7.06	7.06	6.15	2.07	2.47	2.21	3.04	3.80	4.48	4.98	5.35	5.83														
24	7.03	6.87	6.16	2.05	2.50	2.75	3.08	3.84	4.51	5.00	5.36	6.05														
25	7.04	6.99	6.08	1.83	2.54	2.85	3.09	3.87	4.60	4.93	5.41	6.21														
26	7.04	6.96	6.00	1.92	2.40	2.03	3.10	3.89	4.59	5.00	5.54	5.99														
27	7.02	7.01	5.90	1.81	2.45	1.93	3.11	3.93	4.61	5.15	5.50	6.03														
28	7.07	7.05	5.94	1.85	2.49	2.02	3.10	3.95	4.61	5.10	5.54	6.05														
29	7.04	7.11	5.94	1.89		2.15	3.16	3.99	4.65	5.15	5.47	6.03														
30	7.05	7.06	5.75	1.90		2.65	3.18	4.00	4.66	5.16	5.46	6.10														
31	7.13		5.94	1.92		2.36		4.06		5.09	5.52															
MEAN	7.00	7.01	6.50	3.06	2.18	2.43	2.86	3.62	4.36	4.88	5.38	5.77	4.60													
MAX.	7.24	7.13	7.22	5.45	3.15	2.85	3.18	4.06	4.66	5.16	6.05	6.21	7.24													
MIN.	6.52	6.87	5.75	1.81	1.48	1.93	2.42	3.19	4.05	4.70	5.05	5.50	1.48													

*Well *		Well No15		Kafue Hook Bridge		1989/90 Morning					[Water Level (m)]		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											6.52	6.40	
2											6.50	6.35	
3										5.88	6.52	6.52	
4										5.39	6.48	6.55	
5										4.83	6.42	5.87	
6										5.91	6.51	6.17	
7										6.17	6.48	6.39	
8										6.14	6.59	6.56	
9										6.32	6.54	6.34	
10										6.25	6.09	6.40	
11										5.84	6.28	6.52	
12										6.20	5.94	6.45	
13										5.96	6.23	6.59	
14										6.15	6.30	6.59	
15										6.23	6.60	6.45	
16										6.25	6.55	6.47	
17										6.07	6.08	6.40	
18										6.19	6.26	6.58	
19										6.27	6.18	6.50	
20										6.24	6.40	6.43	
21										6.31	6.40	6.50	
22										6.24	6.35	6.59	
23										6.34	6.00	6.42	
24										6.10	6.57	6.38	
25										6.12	6.27	6.37	
26										6.27	6.27	6.47	
27										6.11	6.40	6.47	
28										6.33	6.31	6.44	
29										5.86	6.48	5.71	
30										6.43	6.39	5.90	
31										6.31	6.40		
MEAN										6.09	6.36	6.39	6.29
MAX.										6.43	6.60	6.59	6.60
MIN.										4.83	5.94	5.71	4.83

*Well *		Well No15		Kafue Hook Bridge		1989/90 Evening					[Water Level (m)]		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											6.99	7.05	
2										6.19	7.00	6.65	
3										6.32	7.06	6.71	
4										5.92	7.08	7.12	
5										6.70	7.02	7.06	
6										6.71	6.85	7.16	
7										6.68	6.87	7.22	
8										6.72	7.14	7.25	
9										5.87	7.05	7.18	
10										6.81	6.70	7.00	
11										6.90	7.18	7.11	
12										6.41	6.67	6.90	
13										6.52	6.82	6.98	
14										6.99	7.49	7.00	
15										6.97	6.88	7.20	
16										6.81	6.85	7.18	
17										6.99	6.70	7.23	
18										6.92	6.77	7.12	
19										6.75	6.70	6.96	
20										6.73	6.91	7.40	
21										6.67	7.20	7.35	
22										6.89	7.16	7.20	
23										6.65	7.11	7.04	
24										6.75	6.75	6.95	
25										7.05	6.95	7.07	
26										7.08	6.87	7.02	
27										7.01	7.09	7.01	
29										6.83	7.19	7.22	
29										7.21	7.01	6.37	
30										6.98	7.06	6.80	
31										6.87	7.04		
MEAN										6.73	6.97	7.05	6.92
MAX.										7.21	7.49	7.40	7.49
MIN.										5.87	6.67	6.37	5.87

WHLm	Well No15			Kafue Hook Bridge			1990/91 Morning						[Water Level (m)]	
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	6.26	6.59	6.45	5.46	5.53	4.92	5.29	5.60	5.93	6.52	6.52	6.40		
2	6.30	6.45	6.42	5.85	5.30	5.12	5.30	5.61	5.94	6.50	6.50	6.35		
3	6.14	6.54	6.12	5.44	5.48	5.09	5.31	5.62	5.95	5.88	6.52	6.52		
4	5.85	6.56	6.30	5.35	5.37	5.14	5.32	5.63	5.96	5.39	6.48	6.55		
5	6.22	6.46	6.42	5.32	5.40	5.01	5.33	5.64	5.97	4.83	6.42	5.87		
6	6.47	6.58	6.49	5.38	5.55	5.41	5.34	5.65	5.99	5.91	6.51	6.17		
7	6.40	6.44	6.42	4.86	5.34	5.11	5.35	5.66	6.00	6.17	6.48	6.39		
8	6.40	6.49	6.46	5.40	5.39	5.04	5.36	5.68	6.01	6.14	6.59	6.56		
9	6.34	6.38	6.32	5.32	5.06	5.13	5.37	5.69	6.02	6.32	6.54	6.34		
10	6.49	6.36	6.49	5.38	4.88	4.98	5.38	5.70	6.03	6.25	6.09	6.40		
11	6.49	6.55	6.51	5.25	4.80	4.90	5.39	5.71	6.04	5.84	6.28	6.52		
12	6.46	6.40	6.38	5.24	5.34	5.45	5.40	5.72	6.05	6.20	5.94	6.45		
13	6.20	6.54	6.39	5.27	5.32	5.43	5.41	5.73	6.06	5.96	6.23	6.59		
14	6.48	6.39	6.04	5.40	5.28	5.39	5.42	5.74	6.08	6.15	6.30	6.59		
15	6.42	6.38	6.35	5.43	5.32	5.43	5.44	5.75	6.09	6.23	6.60	6.45		
16	6.49	6.43	5.81	5.31	4.64	4.74	5.45	5.76	6.10	6.25	6.55	6.47		
17	6.37	6.44	5.97	5.32	5.11	5.21	5.46	5.77	6.15	6.07	6.08	6.40		
18	6.59	6.41	5.88	5.45	4.84	4.94	5.47	5.78	6.16	6.19	6.26	6.58		
19	6.40	6.40	5.95	5.42	4.95	5.05	5.48	5.79	6.17	6.27	6.18	6.50		
20	6.57	6.42	6.05	5.28	5.28	5.39	5.49	5.80	6.18	6.24	6.40	6.43		
21	6.24	6.46	5.84	5.46	5.18	5.28	5.50	5.81	6.20	6.31	6.40	6.50		
22	6.41	6.45	5.96	5.55	5.25	5.35	5.51	5.82	6.21	6.24	6.35	6.59		
23	6.25	6.42	5.99	5.55	5.05	5.15	5.52	5.84	6.22	6.34	6.00	6.42		
24	6.20	6.36	5.94	4.95	5.25	5.35	5.54	5.85	6.23	6.10	6.57	6.38		
25	5.80	6.28	5.83	5.04	5.30	5.41	5.55	5.86	6.24	6.12	6.27	6.37		
26	6.29	6.42	5.90	5.58	5.24	5.34	5.56	5.87	6.25	6.27	6.27	6.47		
27	6.28	6.28	5.79	5.54	5.10	5.20	5.57	5.88	6.37	6.11	6.40	6.47		
28	6.35	6.37	5.96	5.43	5.18	5.28	5.58	5.89	6.38	6.33	6.31	6.44		
29	6.40	6.34	5.75	5.32		5.29	5.59	5.90	6.39	5.86	6.43	5.71		
30	6.44	6.38	5.56	5.50		5.29	5.60	5.91	6.40	6.43	6.39	5.90		
31	6.40		5.46	5.60		5.29		5.92		6.31	6.40			
MEAN	6.34	6.43	6.10	5.38	5.20	5.20	5.44	5.76	6.13	6.12	6.36	6.39	5.91	
MAX.	6.59	6.59	6.51	5.85	5.55	5.45	5.60	5.92	6.40	6.52	6.60	6.59	6.60	
MIN.	5.80	6.28	5.46	4.86	4.64	4.74	5.29	5.60	5.93	4.83	5.94	5.71	4.64	

WHLm	Well No15			Kafue Hook Bridge			1990/91 Evening						[Water Level (m)]	
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	6.35	6.92	7.18	5.96	6.21	5.48	4.65	4.96	5.29	5.88	5.88	5.76		
2	6.09	7.05	6.68	6.04	6.01	5.17	4.66	4.97	5.30	5.86	5.86	5.71		
3	6.85	7.07	6.65	6.07	5.98	5.50	4.67	4.98	5.31	5.24	5.88	5.88		
4	6.95	6.88	6.74	6.14	6.00	5.58	4.68	4.99	5.32	4.75	5.84	5.91		
5	6.86	6.82	7.24	6.02	5.95	5.56	4.69	5.00	5.33	4.19	5.78	5.23		
6	6.70	7.20	7.21	5.65	5.87	5.55	4.70	5.01	5.35	5.27	5.87	5.53		
7	6.75	7.14	7.15	6.00	5.86	5.46	4.71	5.02	5.36	5.53	5.84	5.75		
8	6.69	7.18	7.04	6.14	5.80	5.39	4.72	5.04	5.37	5.50	5.95	5.92		
9	6.89	7.20	7.14	5.95	5.50	5.39	4.73	5.05	5.38	5.68	5.90	5.70		
10	6.96	7.06	7.21	5.88	5.47	4.34	4.74	5.06	5.39	5.61	5.45	5.76		
11	7.17	7.09	7.01	5.98	5.39	4.26	4.75	5.07	5.40	5.20	5.64	5.88		
12	7.25	7.20	7.23	5.89	5.77	4.81	4.76	5.08	5.41	5.56	5.30	5.81		
13	6.91	7.21	6.94	5.98	5.75	4.79	4.77	5.09	5.42	5.32	5.59	5.95		
14	6.87	7.16	6.35	5.98	5.79	4.75	4.78	5.10	5.44	5.51	5.66	5.95		
15	7.02	7.14	6.20	6.05	5.76	4.79	4.80	5.11	5.45	5.59	5.96	5.81		
16	7.18	7.24	6.19	5.85	5.36	4.10	4.81	5.12	5.46	5.61	5.91	5.83		
17	7.15	7.14	6.30	6.00	5.28	4.57	4.82	5.13	5.51	5.43	5.44	5.76		
18	7.01	7.05	6.35	6.01	5.09	4.30	4.83	5.14	5.52	5.55	5.62	5.94		
19	7.40	7.07	6.27	5.78	5.53	4.41	4.84	5.15	5.53	5.63	5.54	5.86		
20	7.44	7.06	6.38	5.78	5.76	4.75	4.85	5.16	5.54	5.60	5.76	5.79		
21	7.25	6.99	6.28	6.01	5.60	4.64	4.86	5.17	5.56	5.67	5.76	5.86		
22	7.00	7.13	6.12	6.04	5.51	4.71	4.87	5.18	5.57	5.60	5.71	5.95		
23	7.28	7.13	6.21	5.94	5.54	4.51	4.88	5.20	5.58	5.70	5.36	5.78		
24	6.85	6.71	6.14	5.91	5.60	4.71	4.90	5.21	5.59	5.46	5.93	5.74		
25	7.07	6.85	6.28	5.80	5.56	4.77	4.91	5.22	5.60	5.48	5.63	5.73		
26	7.22	6.80	6.33	5.88	5.59	4.70	4.92	5.23	5.61	5.63	5.63	5.83		
27	6.85	6.72	6.29	5.94	5.66	4.56	4.93	5.24	5.73	5.47	5.76	5.83		
28	6.81	6.74	6.34	5.85	5.72	4.64	4.94	5.25	5.74	5.69	5.67	5.80		
29	6.85	6.86	6.38	5.73		4.65	4.95	5.26	5.75	5.22	5.84	5.07		
30	6.81	6.74	6.29	5.86		4.65	4.96	5.27	5.76	5.79	5.75	5.26		
31	6.85		6.24	5.96		4.65		5.28		5.67	5.76			
MEAN	6.95	7.02	6.59	5.94	5.68	4.84	4.80	5.12	5.49	5.48	5.72	5.75	5.78	
MAX.	7.44	7.24	7.24	6.14	6.21	5.58	4.96	5.28	5.76	5.88	5.96	5.95	7.44	
MIN.	6.09	6.71	6.12	5.65	5.09	4.10	4.65	4.96	5.29	4.19	5.30	5.07	4.10	

WLM		Well No16 Upper Kaleya					1989/90 Morning					[Water Level (m)]		
N	N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											2.95	3.72	4.46	
2											2.98	3.75	4.20	
3											3.00	3.77	4.18	
4											3.03	3.80	4.31	
5											3.05	3.82	4.18	
6											3.08	3.85	4.21	
7											3.10	3.87	4.35	
8										2.53	3.13	3.90	4.17	
9										2.54	3.15	3.92	4.31	
10										2.61	3.18	3.95	4.21	
11										2.76	3.21	3.98	4.31	
12										2.54	3.23	4.00	4.20	
13										2.58	3.26	4.03	4.18	
14										2.55	3.28	4.05	4.25	
15										2.64	3.31	4.08	4.31	
16										2.61	3.33	4.10	4.11	
17										2.75	3.36	4.13	4.21	
18										2.70	3.39	4.16	4.28	
19										2.56	3.41	4.18	4.15	
20										2.66	3.44	4.21	4.28	
21										2.81	3.46	4.23	4.49	
22										2.69	3.49	4.26	4.51	
23										2.61	3.51	4.28	4.31	
24										2.80	3.54	4.31	4.21	
25										2.81	3.56	4.33	4.47	
26										2.78	3.59	4.36	4.31	
27										2.90	3.62	4.39	4.78	
28										2.83	3.64	4.41	4.95	
29										2.79	3.67	4.44	4.87	
30										2.92	3.69	4.45	4.80	
31											3.72	4.46		
MEAN										2.69	3.33	4.10	4.35	3.69
MAX.										2.92	3.72	4.46	4.95	4.95
MIN.										2.53	2.95	3.72	4.11	2.53

WLM		Well No16 Upper Kaleya					1989/90 Evening					[Water Level (m)]		
N	N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											3.04	3.81	4.55	
2											3.07	3.84	4.38	
3											3.09	3.86	4.51	
4											3.12	3.89	4.56	
5											3.14	3.91	4.49	
6											3.17	3.94	4.55	
7											3.19	3.96	4.66	
8										2.70	3.22	3.99	4.52	
9										2.61	3.24	4.01	4.61	
10										2.56	3.27	4.04	4.50	
11										2.60	3.30	4.07	4.57	
12										2.64	3.32	4.09	4.59	
13										2.68	3.35	4.12	4.64	
14										2.66	3.37	4.14	4.53	
15										2.70	3.40	4.17	4.49	
16										2.64	3.42	4.19	4.55	
17										2.67	3.45	4.22	4.51	
18										2.65	3.48	4.25	4.55	
19										2.73	3.50	4.27	4.48	
20										2.71	3.53	4.30	4.53	
21										2.86	3.55	4.32	4.71	
22										2.76	3.58	4.35	4.77	
23										2.78	3.60	4.37	4.60	
24										2.90	3.63	4.40	4.57	
25										2.86	3.65	4.42	4.81	
26										2.81	3.68	4.45	4.91	
27										2.96	3.71	4.48	5.21	
28										2.90	3.73	4.50	5.11	
29										2.97	3.76	4.53	5.31	
30										2.96	3.78	4.54	5.28	
31											3.81	4.55		
MEAN										2.75	3.42	4.19	4.67	3.82
MAX.										2.97	3.81	4.55	5.31	5.31
MIN.										2.56	3.04	3.81	4.38	2.56

NWLm		Well No16 Upper Kaleya										1990/91 Morning		[Water Level (m)]	
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	4.95	5.11	5.11	5.13	3.85	3.76	3.71	4.95	5.54	6.18	6.53	6.85			
2	5.11	5.20	5.20	5.04	3.96	3.71	4.04	4.81	5.49	6.03	6.61	6.91			
3	4.95	5.16	4.93	5.22	3.71	3.85	4.11	4.91	5.58	6.13	6.58	6.74			
4	5.17	4.95	5.11	5.16	3.85	4.04	4.01	4.88	5.51	6.01	6.63	6.81			
5	5.28	5.01	4.87	5.28	3.76	3.95	3.85	4.83	5.63	6.23	6.53	6.96			
6	5.19	5.17	5.00	4.85	3.91	4.15	4.14	4.95	5.58	6.11	6.51	6.78			
7	5.11	5.08	4.97	4.94	4.11	3.88	4.23	4.88	5.76	6.21	6.64	6.84			
8	5.07	5.03	4.94	4.84	3.85	3.85	3.95	4.91	5.63	6.31	6.53	6.80			
9	5.14	4.88	4.91	4.37	4.37	3.78	4.11	5.11	5.71	6.36	7.09	6.91			
10	5.17	4.93	4.87	4.07	3.94	3.86	4.18	5.03	5.78	6.11	6.63	6.73			
11	4.75	5.07	5.15	4.21	4.11	3.88	4.02	5.15	5.66	6.21	6.65	6.88			
12	4.87	4.84	5.03	4.35	3.82	4.11	4.21	5.21	5.73	6.30	6.62	6.88			
13	4.96	4.94	4.91	3.85	4.14	4.02	4.04	5.33	5.64	6.24	6.66	6.71			
14	4.67	4.87	5.11	3.75	3.75	4.10	3.93	5.25	5.81	6.13	6.75	6.87			
15	4.85	4.99	5.26	3.81	3.85	3.95	3.90	5.18	5.91	6.24	6.64	6.91			
16	4.95	4.87	5.39	3.64	3.76	4.11	4.34	5.34	5.73	6.34	6.61	6.90			
17	5.01	4.94	5.50	3.73	3.91	4.01	4.51	5.21	5.91	6.31	6.73	6.78			
18	5.11	5.17	5.31	3.65	4.08	3.87	4.53	5.37	6.01	6.34	6.58	6.81			
19	5.05	5.08	5.45	3.91	4.10	3.91	4.58	5.44	5.88	6.41	6.74	6.99			
20	5.13	5.17	5.37	4.11	3.91	3.98	4.55	5.50	6.10	6.35	6.64	7.04			
21	5.26	5.19	5.43	4.05	3.82	4.04	4.51	5.43	6.04	6.44	6.66	6.81			
22	4.91	5.03	5.31	4.11	3.76	3.95	4.53	5.36	6.07	6.44	6.74	6.78			
23	4.85	5.11	5.36	3.85	3.91	3.86	4.58	5.50	6.14	6.21	6.79	6.88			
24	4.91	5.01	5.41	4.15	3.85	3.95	4.81	5.31	5.93	6.53	6.78	6.91			
25	4.79	5.21	5.50	3.71	3.98	4.11	4.71	5.54	5.88	6.51	6.59	6.94			
26	4.95	4.81	5.25	3.85	3.95	4.21	4.85	5.38	6.03	6.58	6.63	7.28			
27	4.85	5.10	5.41	3.74	4.03	3.99	4.78	5.53	6.06	6.61	6.79	6.94			
28	4.93	5.07	5.52	3.81	4.01	3.95	4.91	5.61	6.10	6.70	6.78	7.28			
29	4.83	5.01	5.31	3.71	3.71	3.98	4.79	5.53	6.01	6.63	6.59	7.31			
30	4.94	4.87	5.20	3.91		4.11	4.79	5.61	6.10	6.52	6.63	7.23			
31	5.11		5.16	3.73		4.10		5.61		6.61	6.63				
MEAN	4.99	5.03	5.20	4.21	3.93	3.97	4.34	5.25	5.83	6.33	6.66	6.92	5.23		
MAX.	5.28	5.21	5.52	5.28	4.37	4.21	4.91	5.61	6.14	6.70	7.09	7.31	7.31		
MIN.	4.67	4.81	4.87	3.64	3.71	3.71	3.71	4.81	5.49	6.01	5.51	6.71	3.64		

WVLe		Well No16 Upper Kaleya										1990/91 Evening		[Water Level (m)]	
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	5.11	5.37	5.53	5.31	4.11	4.07	4.15	5.21	5.84	6.31	6.71	7.21			
2	5.28	5.44	5.15	5.33	4.22	4.15	4.34	5.30	5.01	6.45	6.81	7.31			
3	5.37	5.51	5.34	5.43	4.18	4.30	4.40	5.12	5.94	6.35	6.77	7.03			
4	5.51	5.31	5.28	5.35	4.31	4.25	4.34	5.24	6.10	6.51	6.79	7.11			
5	5.29	5.38	5.25	5.36	4.01	4.35	4.23	5.11	5.91	6.56	6.66	7.08			
6	5.54	5.39	5.26	5.21	4.23	4.41	4.31	5.21	5.94	6.35	6.71	7.29			
7	5.56	5.31	5.19	5.33	4.35	4.31	4.49	5.31	6.03	6.51	6.80	7.03			
8	5.41	5.28	5.21	5.25	4.26	4.28	4.31	5.18	5.91	6.54	6.78	7.13			
9	5.56	5.35	5.18	4.60	4.38	4.21	4.25	5.35	5.88	6.57	6.74	7.33			
10	5.38	5.31	5.15	4.56	4.25	4.30	4.30	5.41	6.10	6.51	6.88	7.21			
11	5.26	5.35	5.53	4.51	4.35	4.35	4.34	5.37	5.94	6.56	6.91	6.95			
12	5.31	5.21	5.35	4.44	4.21	4.33	4.51	5.51	5.91	6.54	6.88	7.10			
13	5.28	5.31	5.48	4.41	4.31	4.25	4.24	5.47	6.03	6.51	6.93	7.18			
14	5.31	5.28	5.56	4.31	4.04	4.37	4.33	5.54	6.18	6.49	6.89	7.35			
15	5.26	5.23	5.66	4.21	4.14	4.21	4.36	5.36	6.30	6.53	6.98	7.31			
16	5.31	5.32	5.57	4.15	4.32	4.30	4.63	5.44	6.21	6.58	7.03	7.41			
17	5.24	5.34	5.71	4.28	4.21	4.28	4.68	5.57	6.33	6.44	6.89	7.28			
18	5.33	5.51	5.57	4.01	4.29	4.32	4.74	5.50	6.30	6.51	6.88	7.33			
19	5.34	5.41	5.73	4.37	4.35	4.28	4.81	5.60	6.36	6.64	6.85	7.37			
20	5.44	5.54	5.57	4.33	4.28	4.30	3.71	5.71	6.35	6.53	6.79	7.28			
21	5.51	5.43	5.63	4.24	4.11	4.21	4.85	5.56	6.26	6.58	6.95	7.31			
22	5.37	5.33	5.53	4.35	4.20	4.28	4.65	5.53	6.34	6.69	7.04	7.24			
23	5.31	5.29	5.61	4.31	4.30	4.31	4.76	5.71	6.28	6.61	6.98	7.31			
24	5.28	5.36	5.58	4.25	4.12	4.26	5.03	5.58	6.31	6.75	6.85	7.18			
25	5.31	5.53	5.81	4.33	4.25	4.34	4.94	5.63	6.30	6.79	6.93	7.54			
26	5.17	5.31	5.53	4.22	4.12	4.30	5.13	5.57	6.33	6.75	7.04	7.48			
27	5.21	5.20	5.58	4.18	4.33	4.33	5.01	5.73	6.31	6.84	6.98	7.54			
28	5.35	5.25	5.64	4.15	4.25	4.31	5.10	5.88	6.33	6.81	6.85	7.48			
29	5.21	5.35	5.46	4.11		4.21	5.13	5.57	6.31	6.79	6.93	7.51			
30	5.31	5.24	5.43	4.22		4.34	5.31	5.73	6.33	6.64	6.85	7.48			
31	5.51		5.39	4.15		4.28		5.88		6.81	6.98				
MEAN	5.34	5.35	5.47	4.56	4.23	4.28	4.58	5.48	6.12	6.58	6.87	7.28	5.52		
MAX.	5.56	5.54	5.81	5.43	4.38	4.41	5.31	5.88	6.36	6.84	7.04	7.54	7.54		
MIN.	5.11	5.20	5.15	4.01	4.01	4.07	3.71	5.11	5.01	6.31	6.66	6.95	3.71		

WVLm	Well No17			Uruaff Farm			1989/90 Morning					[Water Level (m)]		
N==N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											2.70	3.40	3.80	
2											2.80	3.40	3.80	
3											2.70	3.40	3.90	
4											2.70	3.40	3.90	
5											3.10	3.40	3.90	
6											3.10	3.50	3.90	
7											3.10	3.50	4.20	
8										2.70	3.20	3.50	3.70	
9										2.80	3.20	3.50	4.10	
10										2.70	3.10	3.50	4.10	
11										2.80	3.10	3.50	4.10	
12										2.70	3.20	3.50	4.10	
13										2.80	3.10	3.50	4.10	
14										2.80	3.10	3.50	4.20	
15										2.80	2.80	3.60	4.10	
16										2.70	3.10	3.60	4.20	
17										2.70	2.80	3.60	4.30	
18										2.80	3.20	3.60	4.30	
19										2.90	3.20	3.60	4.30	
20										2.80	3.10	3.70	4.20	
21										3.00	2.80	3.70	4.10	
22										2.70	3.10	3.70	4.10	
23										2.90	3.20	3.70	4.20	
24										2.90	3.10	3.70	4.30	
25										2.80	3.20	3.70	4.30	
26										2.70	3.20	3.70	4.20	
27										2.80	3.40	3.70	4.20	
28										2.80	3.40	3.70	4.20	
29										2.70	3.20	3.70	4.20	
30										2.90	3.20	3.70	4.10	
31											3.40	3.70		
MEAN										2.79	3.08	3.58	4.10	3.42
MAX.										3.00	3.40	3.70	4.30	4.30
MIN.										2.70	2.70	3.40	3.70	2.70

WVLe	Well No17			Uruaff Farm			1989/90 Evening					[Water Level (m)]		
N==N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											2.80	3.40	3.80	
2											2.70	3.40	3.80	
3											2.70	3.40	3.90	
4											3.10	3.40	3.90	
5											3.10	3.50	3.90	
6											3.10	3.50	3.70	
7										2.70	3.10	3.50	4.00	
8										2.80	3.20	3.50	4.10	
9										2.70	3.20	3.50	4.10	
10										2.70	3.10	3.60	4.10	
11										2.80	3.20	3.60	4.10	
12										2.80	3.10	3.60	4.10	
13										2.80	3.10	3.60	4.10	
14										2.80	2.80	3.60	4.20	
15										2.80	2.80	3.60	4.10	
16										2.96	3.10	3.70	4.30	
17										2.80	3.10	3.70	4.30	
18										3.00	3.10	3.70	4.30	
19										2.90	3.20	3.70	4.10	
20										3.00	3.10	3.70	4.10	
21										2.70	2.80	3.70	4.10	
22										2.70	2.80	3.70	4.10	
23										2.90	3.10	3.70	4.20	
24										2.90	3.10	3.70	4.30	
25										2.80	3.10	3.60	4.30	
26										2.70	3.40	3.80	4.10	
27										2.70	3.40	3.80	4.20	
28										2.80	3.20	3.80	4.20	
29										2.70	3.40	3.80	4.20	
30										2.90	3.40	3.80	4.20	
31											3.40	3.80		
MEAN										2.81	3.09	3.63	4.10	3.44
MAX.										3.00	3.40	3.80	4.30	4.30
MIN.										2.70	2.70	3.40	3.70	2.70

WVLM		Well No17 Uruaff Farm										1990/91 Morning		[Water Level (m)]	
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	4.30	4.10	4.80	5.10	4.00	3.90	3.90	4.00	4.00	4.10	4.30	4.70			
2	4.40	4.00	5.00	4.70	3.90	3.90	3.90	4.00	4.00	4.00	4.40	4.70			
3	4.30	4.10	5.00	5.00	4.00	3.70	4.00	4.10	4.00	3.90	4.00	4.70			
4	4.30	4.10	5.00	5.00	4.10	3.90	4.10	4.10	4.00	4.00	4.20	4.70			
5	4.20	4.00	5.00	5.00	4.00	4.00	4.00	4.00	4.00	4.10	4.35	4.70			
6	4.20	4.10	5.00	5.00	4.00	3.90	3.90	3.90	4.10	3.80	4.60	4.70			
7	4.30	4.00	5.00	5.00	4.00	4.00	4.00	4.00	4.10	4.00	4.60	4.70			
8	4.30	4.10	4.90	5.10	3.90	4.00	4.00	4.10	4.10	3.90	4.60	4.70			
9	4.20	4.00	5.00	5.00	4.00	3.90	4.00	4.00	4.10	3.70	4.60	4.70			
10	4.10	4.10	5.10	3.70	4.10	3.70	3.90	4.00	4.10	3.80	4.60	4.70			
11	4.40	4.00	5.10	4.10	4.00	4.00	3.90	4.10	3.90	3.90	4.60	4.70			
12	4.40	3.70	5.10	4.00	4.00	3.90	4.00	4.00	3.90	3.90	4.70	4.70			
13	4.40	4.00	4.90	4.00	3.90	3.90	4.00	4.10	4.00	4.00	4.80	4.80			
14	4.40	4.10	4.90	4.00	3.70	3.90	3.90	4.00	4.10	3.80	4.80	4.80			
15	4.10	4.00	5.00	4.00	4.00	3.90	4.00	4.10	4.10	3.70	4.70	4.80			
16	4.10	4.10	5.10	3.70	4.00	3.90	4.10	4.10	4.00	3.80	4.70	4.80			
17	4.20	4.10	5.10	3.80	3.90	3.90	4.10	4.00	4.00	4.00	4.70	4.80			
18	4.40	4.10	5.10	3.80	4.10	4.00	4.00	4.00	4.00	4.00	4.70	4.80			
19	4.40	4.10	5.10	3.90	3.70	4.10	3.90	4.10	4.10	4.00	4.70	4.80			
20	4.40	4.00	5.10	4.00	3.70	4.00	4.10	4.10	4.10	4.00	4.70	4.80			
21	4.60	4.10	5.20	4.00	3.70	3.90	4.00	4.10	4.00	4.00	4.70	4.80			
22	4.10	5.00	5.10	4.00	3.90	3.80	4.10	4.00	4.00	4.00	4.70	4.80			
23	4.20	5.00	5.10	4.10	3.90	3.80	4.10	4.00	3.90	4.00	4.70	4.80			
24	4.20	4.80	5.00	4.10	4.00	4.00	4.10	4.00	4.10	4.00	4.70	4.80			
25	4.20	4.90	5.00	4.20	4.00	3.90	4.00	4.10	4.00	4.10	4.70	4.90			
26	4.20	5.00	5.10	4.20	4.00	3.80	4.00	4.10	4.10	4.10	4.70	4.80			
27	4.70	5.10	5.00	3.80	4.00	4.00	4.00	4.00	4.10	4.20	4.70	4.80			
28	3.70	4.70	5.00	3.80	3.90	4.10	4.00	4.00	4.00	4.30	4.70	4.80			
29	4.10	4.70	5.10	3.80	3.80	4.10	4.10	4.00	4.00	3.70	4.70	4.90			
30	3.50	4.80	4.60	3.70	3.70	3.90	4.10	4.10	4.10	3.80	4.70	4.90			
31	3.80		4.70	3.70		3.80		4.10		4.00	4.70				
MEAN	4.23	4.30	5.01	4.24	3.94	3.92	4.01	4.04	4.03	3.95	4.61	4.77	4.26		
MAX.	4.70	5.10	5.20	5.10	4.10	4.10	4.10	4.10	4.10	4.30	4.80	4.90	5.20		
MIN.	3.50	3.70	4.60	3.70	3.70	3.70	3.90	3.90	3.90	3.70	4.00	4.70	3.50		

WVLM		Well No17 Uruaff Farm										1990/91 Evening		[Water Level (m)]	
N=N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	4.40	3.80	4.70	4.90	3.80	3.80	3.70	3.70	3.70	3.80	3.70	3.70	4.70		
2	4.10	4.00	4.70	4.90	3.70	3.80	3.80	3.70	3.70	3.80	3.70	3.70	4.70		
3	4.30	4.00	4.70	5.00	3.90	3.70	3.80	3.80	3.80	3.80	3.80	4.60	4.70		
4	4.30	3.80	4.70	5.00	4.10	3.90	3.80	3.80	3.80	3.80	3.70	4.70	4.70		
5	4.20	3.70	4.70	5.00	3.70	3.70	3.70	3.90	3.80	3.70	4.60	4.70			
6	4.20	3.70	4.70	5.00	4.10	3.80	3.70	3.70	3.70	3.70	4.60	4.70			
7	4.30	3.70	4.70	5.00	4.00	3.80	3.90	3.70	3.70	3.70	4.60	4.70			
8	4.20	3.80	4.70	5.10	3.80	3.90	3.80	3.90	3.80	3.80	4.60	4.70			
9	4.10	3.70	4.90	5.00	3.90	3.90	3.70	3.90	3.90	3.70	4.60	4.70			
10	4.40	3.90	4.90	3.90	3.70	3.90	3.90	3.70	3.70	3.70	4.70	4.70			
11	4.40	4.10	4.80	3.70	3.70	3.90	3.90	3.80	3.70	3.80	4.60	4.70			
12	4.40	4.20	4.70	4.00	3.80	3.70	3.90	3.70	3.70	3.90	4.80	4.80			
13	4.40	3.80	4.70	4.00	3.70	3.90	3.90	3.90	3.80	3.80	4.80	4.80			
14	4.10	3.80	4.90	4.00	3.90	3.80	3.70	3.90	3.90	3.70	4.80	4.80			
15	4.20	3.90	4.70	4.00	3.90	3.90	3.80	3.70	3.70	4.00	4.70	4.80			
16	4.20	3.90	4.80	3.80	3.90	3.90	3.70	3.80	3.90	3.80	4.70	4.80			
17	4.20	4.10	4.90	3.80	3.80	4.00	3.90	3.90	3.70	3.80	4.70	4.80			
18	4.20	4.10	4.90	3.90	3.90	4.00	3.70	3.70	3.90	3.80	4.70	4.80			
19	4.40	3.80	4.70	3.90	3.70	3.70	3.70	3.80	3.90	3.80	4.70	4.80			
20	4.40	3.70	4.70	4.00	3.70	3.80	3.90	3.90	3.90	3.80	4.70	4.80			
21	4.10	3.90	4.90	4.00	3.80	3.70	3.70	3.70	3.70	3.70	4.70	4.80			
22	4.20	5.00	4.70	4.00	3.70	3.70	3.70	3.70	3.70	3.75	4.70	4.80			
23	4.20	4.80	4.80	4.10	3.70	3.80	3.70	3.70	3.70	3.75	4.70	4.80			
24	4.20	4.80	4.70	4.20	3.70	3.70	3.80	3.90	3.90	3.80	4.70	4.80			
25	4.20	4.80	4.90	4.20	3.70	3.80	3.80	3.80	3.80	3.75	4.70	4.80			
26	4.70	4.80	4.70	3.80	3.70	3.90	3.90	3.70	3.80	3.75	4.70	4.80			
27	3.70	4.90	4.70	3.80	3.70	4.00	4.00	3.80	3.90	3.80	4.70	4.80			
28	3.70	5.10	4.80	3.80	3.80	3.90	3.70	3.80	3.70	3.80	4.70	4.90			
29	3.70	5.10	4.90	3.70	3.70	3.90	3.80	3.70	3.70	3.70	4.70	4.90			
30	3.50	4.80	5.10	3.70	3.70	3.90	3.80	3.80	3.80	3.90	4.70	4.90			
31	3.70		5.10	3.80		3.80		3.70		3.90	4.70				
MEAN	4.17	4.18	4.79	4.23	3.80	3.84	3.79	3.78	3.79	3.78	4.62	4.77	4.13		
MAX.	4.70	5.10	5.10	5.10	4.10	4.00	4.00	3.90	3.90	4.00	4.80	4.90	5.10		
MIN.	3.50	3.70	4.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	4.70	3.50		

WWLm	Well No18		Mutamina		1989/90 Morning							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											2.21	2.40	2.17	
2											2.28	2.26	2.20	
3											2.21	2.24	2.18	
4											2.17	2.13	2.16	
5											2.13	2.16	2.17	
6											2.18	2.29	2.17	
7										2.14	2.21	2.28	2.16	
8										2.12	2.13	2.29	2.13	
9										2.17	2.21	2.16	2.19	
10										2.12	2.12	2.20	2.16	
11										2.13	2.19	2.26	2.17	
12										2.16	2.13	2.16	2.22	
13										2.13	2.19	2.23	2.11	
14										2.15	2.16	2.16	2.15	
15										2.22	2.30	2.18	2.16	
16										2.27	2.20	2.23	2.17	
17										2.27	2.16	2.18	2.13	
18										2.29	2.13	2.15	2.22	
19										2.09	2.25	2.29	2.22	
20										2.20	2.26	2.13	2.20	
21										2.12	2.24	2.18	2.18	
22										2.12	2.18	2.16	2.16	
23										2.23	2.19	2.18	2.21	
24										2.18	2.17	2.17	2.17	
25										2.30	2.17	2.16	2.15	
26										2.21	2.17	2.20	2.20	
27										2.19	2.17	2.18	2.17	
28										2.13	2.17	2.19	2.19	
29										2.19	2.23	2.18	2.16	
30										2.24	2.26	2.20	2.21	
31											2.16	2.18		
MEAN										2.18	2.19	2.21	2.17	2.19
MAX.										2.30	2.30	2.40	2.22	2.40
MIN.										2.09	2.12	2.13	2.11	2.09

WWLe	Well No18		Mutamina		1989/90 Evening							[Water Level (m)]		
N=N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1											2.25	2.44	2.18	
2											2.37	2.22	2.21	
3											2.27	2.21	2.20	
4											2.23	2.17	2.19	
5											2.19	2.13	2.17	
6										2.33	2.22	2.22	2.19	
7										2.28	2.23	2.17	2.14	
8										2.28	2.21	2.23	2.15	
9										2.24	2.22	2.17	2.23	
10										2.23	2.20	2.28	2.18	
11										2.21	2.32	2.30	2.20	
12										2.26	2.26	2.17	2.17	
13										2.28	2.26	2.21	2.13	
14										2.27	2.20	2.29	2.19	
15										2.21	2.26	2.16	2.18	
16										2.25	2.23	2.26	2.19	
17										2.31	2.21	2.21	2.21	
18										2.31	2.36	2.18	2.21	
19										2.34	2.29	2.24	2.22	
20										2.28	2.31	2.19	2.21	
21										2.14	2.28	2.21	2.20	
22										2.13	2.26	2.20	2.18	
23										2.24	2.20	2.15	2.19	
24										2.20	2.19	2.20	2.19	
25										2.35	2.19	2.19	2.17	
26										2.29	2.19	2.16	2.22	
27										2.33	2.19	2.21	2.20	
28										2.15	2.20	2.16	2.22	
29										2.18	2.27	2.19	2.19	
30										2.29	2.21	2.21	2.23	
31											2.20	2.20		
MEAN										2.26	2.24	2.21	2.19	2.22
MAX.										2.35	2.37	2.44	2.23	2.44
MIN.										2.13	2.19	2.13	2.13	2.13

WNLm	Well No18		Mutamina		1990/91 Morning								[Water Level (m)]	
N==N==	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.17	2.28	2.30	2.13	1.71	1.45	2.13	2.00	2.25	2.17	2.15	2.25		
2	2.20	2.27	2.36	2.21	1.70	1.58	2.03	1.95	2.28	2.17	2.16	2.25		
3	2.18	2.18	2.42	2.29	1.63	1.69	1.97	1.95	2.26	2.16	2.18	2.27		
4	2.19	2.30	2.38	2.26	1.86	1.71	1.93	1.94	2.27	2.16	2.16	2.26		
5	2.18	2.29	2.47	2.26	1.89	1.72	1.96	1.93	2.26	2.17	2.16	2.26		
6	2.26	2.18	2.52	2.27	1.85	1.79	1.96	1.93	2.26	2.16	2.16	2.27		
7	2.18	2.21	2.46	2.15	1.86	2.01	1.96	1.92	2.27	2.16	2.14	2.26		
8	2.33	2.17	2.40	2.25	1.81	2.03	1.96	1.92	2.26	2.16	2.16	2.26		
9	2.27	2.22	2.29	2.22	1.77	2.01	1.96	1.91	2.26	2.16	2.16	2.26		
10	2.26	2.16	2.37	2.26	1.76	2.02	1.97	1.93	2.27	2.16	2.15	2.26		
11	2.28	2.20	2.29	2.23	1.71	1.96	1.96	1.93	2.28	2.15	2.15	2.21		
12	2.35	2.30	2.47	2.16	1.66	1.94	1.95	1.93	2.26	2.16	2.16	2.24		
13	2.30	2.40	2.36	2.13	1.36	1.97	1.95	1.93	2.26	2.17	2.16	2.25		
14	2.23	2.39	2.38	2.28	1.32	2.01	1.97	1.97	2.28	2.15	2.21	2.25		
15	2.26	2.30	2.39	2.11	1.30	2.09	1.96	1.92	2.26	2.16	2.22	2.26		
16	2.22	2.37	2.45	2.15	1.31	2.10	1.96	2.16	2.27	2.18	2.24	2.26		
17	2.28	2.38	2.41	1.86	1.33	2.12	1.97	2.14	2.30	2.16	2.26	2.28		
18	2.28	2.34	2.25	1.83	1.29	2.13	1.97	2.25	2.29	2.16	2.26	2.27		
19	2.36	2.42	2.19	1.77	1.63	2.14	1.96	2.26	2.28	2.16	2.28	2.27		
20	2.48	2.58	2.26	1.63	1.66	2.19	1.96	2.26	2.30	2.16	2.26	2.27		
21	2.28	2.40	2.26	1.59	1.67	2.22	1.96	2.27	2.28	2.15	2.26	2.28		
22	2.26	2.32	2.28	1.75	1.66	2.26	1.96	2.26	2.29	2.16	2.27	2.29		
23	2.28	2.37	2.36	1.77	1.70	2.29	1.96	2.26	2.28	2.16	2.26	2.30		
24	2.31	2.33	2.35	1.78	1.73	2.33	1.99	2.27	2.29	2.16	2.28	2.29		
25	2.33	2.44	2.43	1.75	1.78	2.13	2.01	2.27	2.29	2.16	2.27	2.30		
26	2.30	2.42	2.47	1.71	1.69	2.01	2.03	2.28	2.29	2.15	2.29	2.31		
27	2.33	2.24	2.37	1.70	1.50	2.03	2.02	2.26	2.30	2.15	2.26	2.27		
28	2.28	2.27	2.35	1.71	1.47	2.07	2.01	2.27	2.28	2.16	2.26	2.25		
29	2.31	2.33	2.37	1.72		2.15	2.00	2.26	2.20	2.16	2.29	2.19		
30	2.33	2.36	2.27	1.69		2.16	1.97	2.26	2.17	2.16	2.27	2.16		
31	2.30		2.38	1.70		2.21		2.26		2.16	2.26			
MEAN	2.28	2.31	2.36	1.98	1.63	2.02	1.98	2.10	2.27	2.16	2.22	2.26	2.13	
MAX.	2.48	2.58	2.52	2.29	1.89	2.33	2.13	2.28	2.30	2.18	2.29	2.31	2.58	
MIN.	2.17	2.16	2.19	1.59	1.29	1.45	1.93	1.91	2.17	2.15	2.14	2.16	1.29	

WWLe	Well No18		Mutamina		1990/91 Evening								[Water Level (m)]	
N==N==	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.19	2.30	2.32	2.11	1.73	1.49	2.09	1.96	2.23	2.17	2.17	2.25		
2	2.21	2.20	2.38	2.24	1.66	1.67	2.00	1.95	2.27	2.16	2.16	2.26		
3	2.20	2.21	2.44	2.26	1.61	1.68	1.96	1.95	2.26	2.15	2.16	2.26		
4	2.21	2.31	2.41	2.26	1.87	1.73	1.92	1.94	2.26	2.16	2.15	2.26		
5	2.20	2.30	2.50	2.23	1.86	1.75	1.96	1.93	2.26	2.15	2.16	2.25		
6	2.21	2.22	2.54	2.25	1.88	1.90	1.96	1.93	2.28	2.15	2.16	2.26		
7	2.23	2.20	2.48	2.17	1.88	1.99	1.96	1.92	2.26	2.17	2.16	2.27		
8	2.34	2.19	2.42	2.21	1.84	2.02	1.96	1.91	2.26	2.16	2.16	2.28		
9	2.29	2.23	2.31	2.23	1.79	2.03	1.98	1.93	2.25	2.16	2.15	2.25		
10	2.27	2.18	2.40	2.27	1.78	2.00	1.96	1.92	2.26	2.16	2.14	2.25		
11	2.30	2.21	2.34	2.25	1.69	1.93	1.95	1.93	2.25	2.16	2.16	2.22		
12	2.36	2.39	2.48	2.18	1.41	1.92	1.95	1.93	2.26	2.17	2.17	2.25		
13	2.31	2.41	2.40	2.15	1.39	2.00	1.95	1.92	2.27	2.16	2.19	2.26		
14	2.25	2.40	2.39	2.13	1.33	2.05	1.96	1.99	2.27	2.14	2.23	2.27		
15	2.27	2.31	2.41	2.12	1.27	2.11	1.96	2.06	2.28	2.16	2.23	2.27		
16	2.23	2.35	2.43	2.17	1.34	2.08	1.96	2.19	2.29	2.17	2.25	2.27		
17	2.30	2.39	2.38	1.81	1.31	2.14	1.97	2.26	2.31	2.16	2.27	2.29		
18	2.26	2.41	2.21	1.82	1.27	2.15	1.96	2.26	2.30	2.15	2.27	2.28		
19	2.39	2.46	2.17	1.74	1.65	2.16	1.96	2.26	2.29	2.16	2.29	2.26		
20	2.46	2.59	2.24	1.61	1.68	2.21	1.96	2.28	2.29	2.15	2.27	2.28		
21	2.30	2.42	2.25	1.57	1.69	2.24	1.96	2.26	2.30	2.15	2.26	2.30		
22	2.28	2.34	2.30	1.73	1.65	2.30	1.96	2.25	2.30	2.16	2.27	2.30		
23	2.26	2.36	2.34	1.76	1.71	2.30	1.98	2.25	2.29	2.17	2.27	2.31		
24	2.36	2.39	2.41	1.77	1.76	2.25	2.00	2.26	2.28	2.16	2.27	2.30		
25	2.35	2.46	2.42	1.73	1.80	2.09	2.03	2.29	2.30	2.16	2.28	2.31		
26	2.31	2.44	2.39	1.72	1.61	1.99	2.01	2.27	2.30	2.15	2.28	2.30		
27	2.35	2.25	2.36	1.71	1.45	2.05	2.01	2.25	2.29	2.15	2.25	2.28		
28	2.30	2.33	2.33	1.73	1.43	2.10	2.01	2.26	2.25	2.16	2.27	2.22		
29	2.33	2.27	2.32	1.71		2.18	1.99	2.25	2.19	2.16	2.28	2.17		
30	2.35	2.38	2.30	1.68		2.17	1.96	2.25	2.17	2.15	2.28	2.15		
31	2.31		2.40	1.69		2.24		2.24		2.16	2.27			
MEAN	2.29	2.33	2.37	1.97	1.62	2.03	1.97	2.10	2.27	2.16	2.22	2.26	2.14	
MAX.	2.46	2.59	2.54	2.27	1.88	2.30	2.09	2.29	2.31	2.17	2.29	2.31	2.59	
MIN.	2.19	2.18	2.17	1.57	1.27	1.49	1.92	1.91	2.17	2.14	2.14	2.15	1.27	

CHAPTER - 5

CORRELATION ANALYSIS

List of Stations Dealt in Study

File No.	TARGET STATION : Y	NEAREST STATION : X	Disket No.
0401	1-150 Zambezi Pump House	2-030 LUKULU	DB-07
0302	1-650 Kabompo Boma	1-950 WATOPA PONTOON	DB-07
0403	1-950 Watopa Pontoon	2-030 LUKULU	DB-07
0304	2-030 Lukulu	1-950 WATOPA PONTOON	DB-07
0405	2-250 Kalabo	2-030 LUKULU	DB-07
0406	2-400 Senanga	2-030 LUKULU	DB-07
0907	4-050 Raglam Farm	4-130 SMITH'S BRIDGE	DB-07
0908	4-120 Mwambashi	4-130 SMITH'S BRIDGE	DB-07
1009	4-130 Smith's Bridge	4-200 MPATAMATO	DB-07
1110	4-200 Mpatamato	4-280 MACHIYA FERRY	DB-07
1011	4-280 Machiya Ferry	4-200 MPATAMATO	DB-07
1112	4-350 Chilenga	4-280 MACHIYA FERRY	DB-07
1213	4-450 Lubungu	4-350 LUBUNGU	DB-07
1314	4-560 Chifumpa Pontoon	4-450 LUBUNGU	DB-07
1315	4-669 Kafue Hook Bridge	4-450 LUBUNGU	DB-07
1816	4-941 Kaleya Dam Site	5-030 EXCHANGE FARM	DB-07
1617	4-958 Uruaff Farm	4-941 KALEYA DAM SITE	DB-07
1618	5-030 Exchange Farm	4-941 KALEYA DAM SITE	DB-07
1019	5-940 Luangwa Bridge	4-200 MPATAMATO	DB-07

[Note]

- (1) File No. : File Number in DB-07 system diskette.
- (2) Disket No.: Diskette No. of CORRELATION ANALYSIS

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORRELATION BETWEEN STATIONS X and Y

X: NO.04 2-030 LUKULU

Y: NO.01 1-150 ZAMBEZI PUMP HOUSE

(DISCHARGE UNIT : m3/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	260.1	61.0	15865.25	67644.73	3721.00
2	11	280.9	72.1	20251.81	78896.42	5198.41
3	12	349.4	120.8	42210.26	122096.21	14592.64
4	1	587.2	330.0	193774.43	344798.27	108900.00
5	2	1,097.0	996.0	1092582.24	1203343.44	992016.00
6	3	2,124.4	3,310.2	7032109.45	4512973.40	10957424.04
7	4	1,790.5	2,271.5	4067055.90	3205788.01	5159712.25
8	5	905.9	868.4	786651.75	820588.45	754118.56
9	6	587.7	372.7	219018.24	345335.95	138905.29
10	7	430.2	204.8	88099.27	185048.12	41943.04
11	8	326.9	130.7	42719.30	106830.96	17082.49
12	9	234.7	89.7	21054.03	55091.61	8046.09
13	(60/61-10)	205.7	67.6	13907.11	42323.40	4569.76
14	11	252.8	85.6	21639.94	63909.40	7327.36
15	12	375.4	130.4	48957.12	140953.72	17004.16
16	1	563.4	300.9	169537.75	317459.58	90540.81
17	2	1,041.9	851.5	887179.28	1085559.10	725052.25
18	3	2,122.1	3,350.8	7110643.96	4503196.04	11227860.64
19	4	2,294.6	3,581.3	8217625.53	5265156.55	12825709.69
20	5	1,290.1	1,224.0	1579081.61	1664356.35	1498176.00
21	6	735.8	481.3	354161.79	541466.63	231649.69
22	7	521.5	269.8	140704.57	271977.21	72792.04
23	8	426.5	175.3	74763.10	181890.83	30730.09
24	9	360.0	118.6	42694.52	129590.99	14065.96
25	(61/62-10)	324.1	91.0	29494.62	105051.65	8281.00
26	11	368.4	114.8	42293.19	135724.15	13179.04
27	12	629.7	345.5	217571.42	396558.78	119370.25
28	1	1,222.3	1,096.4	1340120.04	1493995.72	1202092.96
29	2	1,800.3	2,322.7	4181591.86	3241134.43	5394935.29
30	3	2,294.0	3,580.9	8214415.78	5262219.71	12822844.81
31	4	2,243.8	3,175.9	7126121.76	5034691.20	10086340.81
32	5	1,430.6	1,167.8	1670668.75	2046650.84	1363756.84
33	6	859.9	457.1	393079.88	739501.72	208940.41
34	7	588.7	263.3	155006.44	346575.43	69326.89
35	8	479.3	184.3	88334.35	229725.15	33966.49
36	9	404.5	129.7	52464.94	163628.27	16822.09
37	(62/63-10)	366.4	97.8	35830.58	134223.90	9564.84
38	11	391.9	113.6	44521.55	153597.40	12904.96
39	12	828.0	357.8	296254.73	685567.00	128020.84
40	1	1,722.7	1,864.2	3211541.81	2967851.40	3475241.64
41	2	2,182.1	2,984.1	6511645.36	4761620.00	8904852.81
42	3	2,465.0	3,719.7	9169138.90	6076328.91	13836168.09
43	4	1,900.6	2,506.4	4763633.40	3612234.19	6282040.96
44	5	1,064.7	885.1	942339.84	1133523.23	783402.01
45	6	693.0	390.2	270399.93	480218.20	152256.04
46	7	552.6	235.6	130182.83	305321.13	55507.36
47	8	469.1	164.8	77299.63	220009.00	27159.04
48	9	404.2	114.2	46164.91	163414.92	13041.64
49	(63/64-10)	369.6	95.6	35333.06	136598.77	9139.36
50	11	455.4	146.6	66764.64	207407.81	21491.56

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
51	12	782.4	352.1	275489.58	612178.80	123974.41
52	1	1,060.4	710.9	753864.95	1124527.48	505378.81
53	2	1,554.3	1,488.5	2313527.92	2415749.03	2215632.25
54	3	1,655.5	1,791.2	2965352.41	2740718.71	3208397.44
55	4	1,279.8	1,196.9	1531737.06	1637769.23	1432569.61
56	5	707.5	449.1	317735.59	500547.88	201690.81
57	6	527.3	253.3	133566.95	278053.03	64160.89
58	7	443.0	174.6	77351.36	196267.07	30485.16
59	8	393.2	127.3	50055.36	154612.41	16205.29
60	9	353.4	98.9	34950.35	124885.03	9781.21
61	(64/65-10)	317.0	78.3	24820.89	100487.33	6130.89
62	11	355.3	101.1	35921.88	126245.44	10221.21
63	12	460.6	162.1	74661.74	212143.70	26276.41
64	1	927.6	681.4	632047.89	860390.72	464305.96
65	2	1,654.3	1,930.8	3194125.57	2736713.86	3727988.64
66	3	1,810.3	2,430.5	4399876.54	3277100.27	5907330.25
67	4	1,354.8	1,360.0	1842543.76	1835514.44	1849600.00
68	5	769.3	547.1	420891.82	591844.41	299318.41
69	6	528.3	276.0	145810.55	279099.93	76176.00
70	7	434.3	178.5	77521.19	188609.87	31862.25
71	8	376.8	122.4	46121.42	141985.01	14981.76
72	9	337.8	92.2	31148.78	114135.36	8500.84
73	(65/66-10)	319.8	81.2	25966.53	102262.35	6593.44
74	11	322.4	82.4	26563.35	103922.90	6789.76
75	12	477.4	191.7	91510.87	227877.34	36748.89
76	1	646.3	330.3	213484.26	417748.19	109098.09
77	2	1,046.0	840.5	879163.27	1094116.68	706440.25
78	3	1,958.7	2,482.0	4861609.84	3836689.48	6160324.00
79	4	1,697.0	1,842.5	3126779.94	2879914.81	3394806.25
80	5	925.4	699.4	647252.99	856439.86	489160.36
81	6	572.6	310.3	177679.64	327877.62	96286.09
82	7	457.8	196.3	89874.03	209617.66	38533.69
83	8	392.0	134.2	52603.67	153648.04	18009.64
84	9	348.7	100.2	34944.64	121625.77	10040.04
85	(66/67-10)	313.3	83.0	26000.23	98129.15	6889.00
86	11	331.4	94.5	31314.12	109803.66	8930.25
87	12	367.1	114.9	42176.88	134743.79	13202.01
88	1	503.5	270.4	136157.73	253554.43	73116.16
89	2	993.6	907.8	901947.40	987147.54	824100.84
90	3	1,608.2	2,127.4	3421212.80	2586198.57	4525830.76
91	4	1,886.5	2,513.7	4741984.62	3558716.50	6318687.69
92	5	1,150.6	983.7	1131812.50	1323803.82	967665.69
93	6	667.4	373.0	248937.16	445411.88	139129.00
94	7	461.1	202.4	93321.56	212590.06	40965.76
95	8	380.8	132.5	50461.88	145042.45	17556.25
96	9	344.2	92.1	31700.32	118469.91	8482.41
97	(67/68-3)	2,236.8	2,127.4	4758553.90	5003243.92	4525830.76
98	4	1,816.2	2,513.7	4565335.80	3298515.77	6318687.69
99	5	1,126.9	983.7	1108504.27	1269841.16	967665.69
100	6	714.6	373.0	266554.40	510686.13	139129.00

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
101	7	510.5	202.4	103316.71	260567.43	40965.76
102	8	414.0	132.5	54861.58	171437.09	17556.25
103	9	393.5	92.1	36242.94	154855.83	8482.41
104	(68/69-10)	372.8	72.8	27142.76	139009.73	5299.84
105	11	400.6	111.5	44662.83	160451.11	12432.25
106	12	655.0	662.7	434051.54	428991.47	439171.29
107	2	2,097.2	3,807.6	7985427.95	4398390.20	14497817.76
108	3	2,604.2	3,406.1	8870035.77	6781659.09	11601517.21
109	4	2,495.6	2,292.4	5720903.94	6227998.67	5255097.76
110	5	1,260.4	1,032.0	1300691.09	1588506.28	1065024.00
111	6	782.2	445.7	348641.05	611887.77	198648.49
112	7	613.9	277.3	170236.30	376881.30	76895.29
113	8	518.2	190.5	98717.47	268533.27	36290.25
114	9	446.5	137.3	61302.86	199351.91	18851.29
115	(69/70-10)	438.8	140.1	61473.61	192531.21	19628.01
116	11	515.7	204.6	105522.22	265996.92	41861.16
117	12	791.4	482.5	381827.19	626237.51	232806.25
118	1	1,371.5	1,266.8	1737353.63	1880876.76	1604782.24
119	2	2,214.9	3,426.4	7589275.70	4905966.03	11740216.96
120	3	2,270.7	3,460.1	7856731.05	5155923.60	11972292.01
121	4	1,356.5	1,303.2	1767828.13	1840169.97	1698330.24
122	5	850.0	632.4	537513.31	722428.27	399929.76
123	6	604.2	324.0	195765.56	365075.38	104976.00
124	7	495.3	222.5	110194.65	245279.33	49506.25
125	8	435.5	162.9	70945.47	189673.73	26536.41
126	9	378.8	115.6	43788.17	143482.16	13363.36
127	(70/71-10)	358.2	102.0	36533.19	128284.71	10404.00
128	11	392.0	121.1	47474.45	153685.03	14665.21
129	12	589.5	271.4	159999.87	347551.81	73657.96
130	1	996.4	763.9	761144.48	992798.67	583543.21
131	2	1,700.4	2,129.4	3620893.04	2891458.02	4534344.36
132	3	1,862.4	2,323.1	4326504.51	3468474.55	5396793.61
133	4	1,218.0	1,140.8	1389544.41	1483630.79	1301424.64
134	5	885.5	762.5	675202.37	784130.27	581406.25
135	6	586.1	351.9	206234.64	343466.73	123833.61
136	7	481.5	229.1	110304.58	231812.53	52486.81
137	8	420.3	155.2	65237.22	176688.16	24087.04
138	9	374.4	119.0	44558.30	140204.93	14161.00
139	(71/72-10)	340.2	94.2	32045.23	115724.39	8873.64
140	11	375.6	118.3	44438.74	141108.74	13994.89
141	12	454.0	172.0	78090.21	206127.65	29584.00
142	1	638.1	349.8	223192.39	407116.94	122360.04
143	2	664.5	401.2	266581.33	441507.03	160961.44
144	3	1,015.9	897.8	912085.09	1032075.61	806044.84
145	4	1,251.6	1,376.7	1723141.09	1566617.78	1895302.89
146	5	945.3	853.2	806508.76	893545.11	727950.24
147	6	559.7	364.8	204161.24	313210.94	133079.04
148	7	426.7	204.5	87265.23	182094.10	41820.25
149	8	366.5	138.0	50576.36	134318.87	19044.00
150	9	323.5	96.2	31120.50	104650.93	9254.44

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
151	(72/73-10)	313.6	90.2	28289.57	98364.78	8136.04
152	11	336.1	110.1	37002.41	112949.77	12122.01
153	12	385.2	154.1	59359.97	148382.30	23746.81
154	1	587.8	391.2	229947.50	345509.26	153037.44
155	2	731.8	621.1	454541.66	535579.97	385765.21
156	3	1,159.4	1,315.4	1525100.67	1344254.04	1730277.16
157	4	1,064.4	1,151.4	1225503.85	1132861.74	1325721.96
158	5	673.0	521.2	350775.12	452948.41	271649.44
159	6	430.7	245.2	105617.48	185537.05	60123.04
160	7	359.5	158.3	56910.59	129248.16	25058.89
161	8	313.9	108.4	34025.52	98526.04	11750.56
162	9	277.5	77.9	21616.33	76999.68	6068.41
163	(73/74-11)	298.8	83.4	24916.54	89257.24	6955.56
164	12	379.4	148.5	56336.90	143923.90	22052.25
165	1	671.1	525.0	352333.03	450389.36	275625.00
166	2	1,289.2	1,567.3	2020506.81	1661943.94	2456429.29
167	3	1,327.1	1,340.8	1779428.43	1761298.84	1797744.64
168	4	1,478.9	1,765.0	2610227.37	2187093.05	3115225.00
169	5	899.1	742.2	667312.94	808383.05	550860.84
170	6	532.0	315.7	167956.69	283038.47	99666.49
171	7	408.3	179.8	73416.29	166726.83	32328.04
172	8	344.6	119.2	41071.70	118722.47	14208.64
173	9	309.2	86.4	26716.05	95613.02	7464.96
174	(74/75-11)	347.6	80.2	27879.04	120838.91	6432.04
175	12	554.3	290.2	160872.08	307302.83	84216.04
176	1	1,456.6	1,524.5	2220514.71	2121546.00	2324100.25
177	2	1,731.7	1,741.0	3014881.33	2998768.23	3031081.00
178	3	2,124.4	2,637.4	5602761.11	4512863.60	6955878.76
179	4	1,819.7	1,940.9	3531852.23	3311301.52	3767092.81
180	5	1,056.9	805.8	851684.55	1117128.18	649313.64
181	6	692.6	380.5	263544.53	479731.99	144780.25
182	7	542.0	223.3	121021.56	293729.82	49862.89
183	8	458.8	144.5	66298.50	210509.49	20880.25
184	9	401.2	99.2	39803.20	160995.06	9840.64
185	(75/76-11)	362.3	77.6	28117.37	131288.28	6021.76
186	12	464.2	144.7	67166.10	215458.28	20938.09
187	1	659.4	281.5	185634.75	434872.32	79242.25
188	7	553.3	268.7	148672.54	306144.32	72199.69
189	8	434.9	166.9	72590.16	189165.90	27855.61
190	9	387.6	112.5	43600.09	150199.95	12656.25
191	(76/77-12)	549.7	200.0	109934.12	302137.74	40000.00
192	1	800.1	401.6	321328.28	640192.35	161282.56
193	2	1,397.4	1,342.0	1875268.81	1952639.30	1800964.00
194	3	1,700.3	1,718.7	2922358.98	2891125.69	2953929.69
195	4	1,863.9	2,390.6	4455952.56	3474299.76	5714968.36
196	5	1,342.8	1,063.2	1427695.29	1803188.44	1130394.24
197	6	684.8	417.7	286040.50	468949.53	174473.29
198	7	542.5	248.2	134653.45	294327.91	61603.24
199	8	458.0	165.7	75882.97	209721.84	27456.49
200	9	392.4	116.0	45513.04	153941.52	13456.00

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
201	(77/78-10)	365.0	90.8	33142.31	133227.46	8244.64
202	11	352.0	84.0	29564.79	123877.09	7056.00
203	12	526.2	176.7	92977.17	276872.32	31222.89
204	1	914.8	618.7	565970.23	836810.17	382789.69
205	2	1,175.2	805.4	946537.18	1381185.81	648669.16
206	3	1,997.6	2,181.9	4358529.95	3990344.43	4760687.61
207	4	2,569.9	3,768.3	9684304.26	6604590.73	1420084.89
208	5	1,669.3	1,610.5	2688453.74	2786658.03	2593710.25
209	8	495.9	168.1	83356.85	245893.54	28257.61
210	9	426.1	117.2	49939.51	181565.52	13735.84
211	(78/79-10)	378.1	97.1	36714.98	142971.07	9428.41
212	11	519.5	171.2	88943.16	269909.15	29309.44
213	12	782.8	454.5	355787.30	612792.04	206570.25
214	1	1,235.9	928.2	1147121.97	1527341.19	861555.24
215	2	1,716.8	1,999.1	3432008.82	2947323.13	3996400.81
216	3	2,245.8	2,621.9	5888340.99	5043751.22	6874359.61
217	5	1,139.2	820.7	934932.19	1297750.97	673548.49
218	6	728.4	386.8	281757.61	530613.59	149614.24
219	7	589.5	243.4	143491.05	347542.96	59243.56
220	8	506.3	171.7	86932.37	256343.58	29480.89
221	9	444.5	128.0	56005.68	197570.96	15876.00
222	(79/80-10)	403.3	98.3	39646.86	162671.13	9662.89
223	11	495.5	141.5	70119.83	245566.34	20022.25
224	12	985.9	634.8	625844.74	971984.57	402971.04
225	1	1,784.1	2,062.6	3679788.15	3182845.85	4254318.76
226	2	1,698.3	1,747.4	2967593.51	2884191.97	3053406.76
227	3	1,920.9	2,187.8	4202455.83	3689700.20	4786468.84
228	7	543.9	223.3	121442.57	295777.05	49862.89
229	8	470.3	159.0	74785.27	221226.85	25281.00
230	9	412.8	114.3	47180.27	170383.81	13064.49
231	(80/81-10)	361.1	91.0	32862.56	130412.72	8281.00
232	11	403.9	119.6	48301.92	163104.70	14304.16
233	12	541.1	187.7	101556.29	292742.08	35231.29
234	1	674.2	278.8	187973.44	454576.97	77729.44
235	3	1,702.4	1,464.5	2493199.44	2898246.30	2144760.25
236	4	1,975.2	2,331.7	4605544.40	3901365.16	5436824.89
237	6	649.6	289.3	187926.86	421969.27	83694.49
238	7	492.7	177.6	87501.92	242744.40	31541.76
239	8	418.0	128.4	53675.61	174752.72	16486.56
240	9	368.1	96.8	35628.28	135468.72	9370.24
241	(81/82-10)	328.8	75.3	24761.64	108135.62	5670.09
242	11	332.1	79.5	26402.48	110294.83	6320.25
243	12	412.2	120.2	49543.43	169888.16	14448.04
244	7	452.4	166.3	75240.84	204702.32	27655.69
245	8	364.1	119.9	43652.57	132550.44	14376.01
246	9	322.7	89.6	28915.34	104145.54	8028.16
247	(82/83-10)	310.2	78.3	24285.85	96201.78	6130.89
248	11	378.9	106.0	40166.50	143587.34	11236.00
249	12	698.2	256.8	179300.77	487499.61	65946.24
250	1	782.6	361.8	283138.25	612434.95	130899.24

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
251	2	1,045.8	589.3	616305.11	1093751.48	347274.49
252	3	1,056.6	641.2	677510.86	1116466.00	411137.44
253	4	1,042.6	552.3	575822.88	1086995.50	305035.29
254	5	714.9	317.4	226919.64	511128.79	100742.76
255	6	520.1	179.8	93507.01	270463.70	32328.04
256	7	446.4	126.2	56341.75	199315.90	15926.44
257	8	350.5	92.3	32347.24	122820.58	8519.29
258	9	298.8	68.2	20379.13	89289.91	4651.24
259	(83/84-10)	280.5	56.9	15961.63	78691.89	3237.61
260	11	301.6	71.7	21627.06	90982.25	5140.89
261	12	353.4	115.2	40709.73	124879.58	13271.04
262	1	591.4	366.3	216626.91	349744.55	134175.69
263	2	1,182.7	1,431.8	1693412.08	1398816.00	2050051.24
264	3	1,445.1	1,752.8	2533053.74	2088449.98	3072307.84
265	4	1,034.6	1,050.4	1086720.15	1070350.50	1103340.16
266	7	327.7	125.6	41157.54	107379.05	15775.36
267	8	286.4	87.7	25114.69	82008.04	7691.29
268	9	301.9	66.2	19983.90	91126.46	4382.44
269	(84/85-10)	294.0	58.0	17050.04	86416.10	3364.00
270	11	325.9	80.5	26232.28	106189.18	6480.25
271	12	411.7	144.0	59288.54	169518.30	20736.00
272	1	550.8	274.5	151204.75	303421.38	75350.25
273	2	887.6	614.8	545675.74	787773.88	377979.04
274	3	1,296.6	1,471.3	1907623.23	1681058.15	2164723.69
275	4	1,455.4	1,567.9	2281926.28	2118197.73	2458310.41
276	5	816.9	632.2	516436.17	667304.91	399676.84
277	6	490.0	266.8	130734.63	240109.67	71182.24
278	7	380.5	156.2	59430.81	144764.21	24398.44
279	8	322.1	102.7	33083.77	103774.14	10547.29
280	9	284.6	72.7	20691.10	81002.49	5285.29
281	(85/86-10)	259.1	57.9	15000.52	67120.51	3352.41
282	11	270.6	64.1	17343.30	73206.15	4108.81
283	12	298.8	80.8	24145.09	89296.58	6528.64
284	1	416.0	166.9	69428.17	173044.87	27855.61
285	2	809.9	558.1	452032.08	656016.06	311475.61
286	3	1,316.2	1,452.1	1911234.66	1732347.35	2108594.41
287	4	1,782.9	2,311.1	4120564.00	3178892.58	5341183.21
288	5	851.1	624.4	531433.10	724388.28	389875.36
289	7	385.0	148.6	57212.79	148234.28	22081.96
290	8	334.9	103.6	34692.71	112139.08	10732.96
291	9	296.0	74.0	21903.19	87609.54	5476.00
292	(86/87-10)	307.5	77.7	23890.53	94538.69	6037.29
293	11	445.5	170.1	75784.50	198496.16	28934.01
294	12	663.1	437.5	290117.35	439735.25	191406.25
295	1	839.8	660.4	554605.82	705268.86	436128.16
296	5	677.6	502.4	340432.19	459157.81	252405.76
297	6	482.2	268.8	129605.46	232481.31	72253.44
298	7	401.2	174.6	70045.47	160942.85	30485.16
299	8	348.7	120.7	42087.81	121590.05	14568.49
300	9	304.2	87.5	26620.12	92555.88	7656.25

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
301	(87/88- 1)	478.0	191.9	91718.63	228436.34	36825.61
302	2	955.4	798.0	762415.61	912804.50	636804.00
303	3	1,405.4	1,536.2	2158951.79	1975105.82	2359910.44
304	4	1,396.1	1,250.4	1745695.40	1949121.91	1563500.16
305	5	810.6	607.5	492457.18	657119.55	369056.25
306	6	506.5	263.6	133502.87	256501.79	69484.96
307	7	396.5	164.1	65061.67	157193.04	26928.81
308	(88/89-10)	278.6	70.4	19611.58	77603.26	4956.16
309	11	331.1	104.3	34536.66	109645.81	10878.49
310	12	421.9	183.9	77591.11	178016.61	33819.21
311	1	689.8	614.7	423993.65	475764.76	377856.09
312	2	1,135.3	1,354.5	1537739.77	1288865.72	1834670.25
313	8	403.9	168.1	67887.20	163094.90	28257.61
314	9	345.1	115.1	39715.97	119063.79	13248.01
T O T A L		250293	211126	315849944	299890930	372021945
Y = a + b*X					a =	-499.38835
X = a' + b'*Y		(a' = -a/b, b' = 1/b)			b =	1.47001
					a' =	339.71716
					b' =	0.68027
		Corelation Coefficient			c =	0.97100

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORRELATION BETWEEN STATIONS X and Y

X: NO.03 1-950 WATOPA PONTOON

Y: NO.02 1-650 KABOMPO BOMA

(DISCHARGE UNIT : m³/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	49.4	99.0	4891.37	2441.85	9798.11
2	11	57.5	109.0	6271.51	3310.58	11880.65
3	12	85.6	136.3	11666.28	7331.34	18564.41
4	1	154.4	190.6	29426.06	23832.17	36332.95
5	2	230.4	229.7	52925.56	53073.83	52777.70
6	3	640.9	387.9	248601.55	410793.98	150447.02
7	4	484.0	325.9	157740.16	234247.36	106220.88
8	5	167.7	198.3	33264.25	28133.52	39330.67
9	6	109.7	158.5	17387.12	12027.04	25136.02
10	7	90.1	140.2	12635.59	8124.12	19652.38
11	8	76.6	127.6	9775.43	5868.57	16283.20
12	9	64.7	113.5	7344.41	4188.51	12878.17
13	(60/61-10)	57.1	38.4	2192.23	3256.29	1475.87
14	11	74.2	58.3	4322.17	5502.20	3395.22
15	12	92.7	77.8	7213.70	8596.79	6053.12
16	1	188.3	189.1	35598.72	35440.47	35757.68
17	2	401.3	296.1	118836.89	161030.82	87698.77
18	3	1001.3	641.4	642257.40	1002544.11	411447.79
19	4	933.7	681.4	636152.57	871716.52	464245.07
20	5	263.8	240.2	63360.33	69569.40	57705.42
21	6	149.7	146.6	21936.09	22395.38	21486.23
22	7	119.9	115.6	13858.94	14376.40	13360.10
23	8	97.5	94.6	9225.92	9514.23	8946.36
24	9	80.7	76.6	6177.22	6511.13	5860.44
25	(61/62-10)	70.1	55.9	3915.07	4908.69	3122.58
26	11	97.0	87.5	8486.81	9410.47	7653.81
27	12	201.6	196.1	39530.62	40633.24	38457.91
28	1	385.8	326.8	126061.70	148839.65	106769.61
29	2	588.7	372.9	219511.00	346542.43	139045.25
30	3	980.5	606.4	594590.03	961305.97	367767.72
31	4	1105.3	760.7	840836.19	1221758.75	578678.48
32	5	394.0	332.0	130825.25	155252.57	110241.30
33	6	205.9	197.0	40556.12	42386.58	38804.71
34	7	157.1	155.8	24467.59	24672.15	24264.72
35	8	129.1	132.3	17076.29	16670.13	17492.34
36	9	102.5	105.5	10818.06	10516.36	11128.42
37	(62/63-10)	94.5	77.9	6585.74	7138.91	6075.44
38	11	110.5	108.0	11936.63	12213.81	11665.74
39	12	532.2	391.5	209356.65	283232.23	153275.26
40	1	856.3	486.7	417042.31	734133.64	236910.94
41	2	937.2	527.6	494490.28	878373.21	278373.97
42	3	1150.8	574.2	660800.16	1324327.24	329719.75
43	4	583.1	460.7	268600.88	339992.37	212200.14
44	5	245.4	230.5	56569.84	60232.41	53129.98
45	6	175.1	169.4	29654.66	30644.47	28696.82
46	7	147.0	144.8	21292.12	21623.67	20965.65
47	8	118.0	116.3	13731.69	13932.65	13533.63
48	9	96.1	91.4	8787.21	9235.52	8369.67
49	(63/64-10)	85.1	77.3	6574.22	7238.35	5971.03
50	11	139.8	126.6	17701.77	19537.71	16038.36

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
51	12	371.7	323.0	120075.15	138197.97	104328.89
52	1	369.5	283.7	104832.22	136529.39	80493.98
53	2	722.1	394.5	284875.15	521414.66	155641.68
54	3	675.4	508.2	343229.07	456155.51	258258.83
55	4	390.7	335.6	131110.38	152668.87	112596.18
56	5	183.0	177.3	32457.30	33503.24	31444.01
57	6	139.8	141.7	19806.82	19532.62	20084.87
58	7	121.4	118.9	14427.66	14732.59	14129.03
59	8	105.3	98.6	10379.03	11089.11	9714.42
60	9	88.2	75.5	6660.67	7779.42	5702.80
61	(64/65-10)	77.5	62.5	4843.98	6000.38	3910.44
62	11	93.7	83.2	7800.53	8783.12	6927.87
63	12	163.1	158.4	25828.59	26597.64	25081.77
64	1	333.4	276.4	92154.18	111169.76	76391.21
65	2	578.2	414.6	239729.65	334288.59	171918.23
66	3	590.0	461.2	272112.10	348127.29	212695.18
67	4	350.5	325.9	114211.73	122847.26	106183.23
68	5	172.4	166.9	28781.40	29724.51	27868.21
69	6	133.7	131.8	17618.33	17864.05	17376.00
70	7	111.8	110.1	12306.99	12490.03	12126.64
71	8	95.6	90.3	8631.33	9140.96	8150.10
72	9	83.8	65.7	5509.45	7022.24	4322.55
73	(65/66-10)	76.6	63.9	4893.43	5869.67	4079.56
74	11	86.1	84.0	7231.48	7418.06	7049.59
75	12	147.4	147.9	21801.27	21714.71	21888.16
76	1	217.9	190.4	41487.47	47496.45	36238.71
77	2	378.6	289.6	109646.36	143362.81	83859.43
78	3	928.4	578.0	536616.01	861952.48	334074.96
79	4	459.3	548.2	251779.26	210918.46	300555.94
80	5	220.3	246.8	54362.29	48514.55	60914.90
81	6	146.6	116.9	17139.85	21499.99	13663.93
82	7	120.7	101.2	12211.99	14566.00	10238.41
83	8	103.7	86.8	8998.64	10757.81	7527.15
84	9	88.5	73.6	6508.21	7823.68	5413.92
85	(66/67-12)	98.4	90.5	8908.51	9691.27	8188.98
86	1	125.4	95.8	12008.36	15717.79	9174.37
87	2	278.6	178.6	49745.57	77610.44	31885.17
88	3	451.8	389.7	176076.57	204122.30	151884.23
89	4	602.2	529.8	319018.70	362643.67	280641.68
90	5	251.2	254.0	63795.96	63094.89	64504.82
91	7	124.8	126.5	15779.00	15567.88	15992.98
92	8	108.5	95.9	10404.16	11778.12	9190.47
93	9	87.0	75.6	6579.81	7566.11	5722.08
94	(67/68-10)	71.8	60.3	4328.21	5150.07	3637.50
95	11	111.5	105.2	11728.78	12435.31	11062.38
96	12	191.9	246.8	47363.17	36818.49	60927.80
97	(68/69-11)	101.1	97.2	9824.59	10217.17	9447.10
98	12	270.8	269.4	72952.57	73334.52	72572.62
99	1	572.8	485.5	278088.63	328113.34	235690.78
100	7	207.9	202.3	42061.52	43232.30	40922.44

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
101	8	170.1	170.1	28933.88	28944.92	28922.85
102	9	136.5	137.2	18737.30	18645.07	18829.99
103	(69/70-10)	132.1	134.6	17772.49	17444.50	18106.65
104	11	175.0	168.7	29473.39	30612.25	28280.56
105	12	328.0	273.3	89659.45	107607.88	74704.72
106	1	627.1	398.6	249995.60	393311.27	158901.62
107	2	1215.5	900.8	1094952.05	1477377.45	811519.09
108	3	1000.2	837.2	837394.49	1000413.15	700939.94
109	4	453.1	391.6	177400.74	205257.64	153324.48
110	5	243.8	238.3	58101.26	59442.17	56790.61
111	6	178.0	177.9	31666.14	31682.35	31649.94
112	7	150.0	151.7	22747.37	22497.12	23000.41
113	8	120.2	127.6	15342.32	14458.22	16280.47
114	9	99.3	98.8	9816.63	9868.07	9765.47
115	(70/71-10)	92.7	89.0	8248.91	8586.50	7924.60
116	11	118.7	121.5	14414.42	14081.23	14755.50
117	12	258.1	261.1	67411.62	66640.74	68191.42
118	1	510.4	416.3	212483.04	260464.29	173340.62
119	2	917.4	660.1	605551.11	841663.00	435675.74
120	3	776.2	554.6	430461.07	602514.93	307538.82
121	4	385.1	351.3	135303.72	148300.52	123445.94
122	5	227.4	224.2	50987.33	51698.53	50285.91
123	6	161.6	167.0	26981.02	26098.80	27893.06
124	7	135.9	141.0	19163.69	18469.14	19884.36
125	8	114.0	116.9	13319.14	12987.46	13659.30
126	9	96.6	96.4	9308.03	9328.33	9287.78
127	(71/72-10)	83.2	73.5	6113.06	6917.71	5402.00
128	11	102.7	103.5	10639.03	10556.32	10722.39
129	12	148.4	158.5	23518.75	22014.42	25125.88
130	1	229.0	224.2	51329.26	52437.71	50244.24
131	2	195.8	194.3	38037.09	38340.20	37736.38
132	3	365.7	329.0	120323.26	133719.15	108269.37
133	4	269.2	249.2	67071.89	72468.57	62077.10
134	5	191.4	189.7	36306.90	36649.36	35967.63
135	6	133.7	116.9	15628.34	17864.99	13671.72
136	7	112.7	95.3	10746.78	12707.10	9088.87
137	8	94.3	79.6	7513.11	8901.47	6341.30
138	9	78.8	69.9	5505.01	6207.98	4881.63
139	(72/73-10)	72.0	63.7	4580.81	5177.55	4052.84
140	11	77.3	67.1	5187.12	5977.52	4501.24
141	12	96.8	91.7	8881.92	9379.71	8410.54
142	1	161.6	169.1	27325.11	26111.86	28594.73
143	2	169.9	183.7	31206.25	28856.79	33747.00
144	3	266.4	269.9	71884.78	70945.75	72836.25
145	5	113.2	111.3	12600.41	12823.37	12381.33
146	6	85.7	81.3	6969.77	7351.63	6607.74
147	7	77.4	69.6	5387.02	5995.13	4840.59
148	8	70.5	59.4	4192.61	4973.84	3534.10
149	9	60.9	47.1	2867.68	3710.84	2216.10
150	(73/74-10)	58.5	45.1	2636.62	3417.52	2034.16

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
151	11	66.7	55.3	3692.45	4452.11	3062.41
152	12	91.9	85.2	7826.72	8440.27	7257.76
153	1	156.6	138.8	21726.90	24518.97	19252.78
154	2	265.2	204.9	54341.07	70353.36	41973.14
155	3	304.0	252.3	76698.29	92438.71	63638.14
156	4	269.4	254.1	68473.97	72599.85	64582.56
157	5	139.0	135.2	18800.40	19330.65	18284.70
158	6	95.7	91.0	8709.67	9156.19	8284.93
159	7	83.7	77.0	6446.87	7012.99	5926.44
160	8	74.9	63.4	4744.00	5606.57	4014.14
161	9	61.9	47.8	2962.45	3837.38	2287.01
162	(74/75-10)	51.0	37.6	1917.37	2604.50	1411.52
163	11	56.7	47.7	2700.80	3209.96	2272.40
164	12	111.7	117.8	13162.35	12478.39	13883.81
165	1	381.2	330.0	125826.48	145345.77	108928.55
166	2	483.3	377.1	182264.85	233600.70	142210.50
167	3	856.3	557.3	477156.52	733187.52	310532.22
168	4	508.5	367.5	186881.30	258599.55	135052.91
169	5	191.0	189.8	36257.33	36476.57	36039.40
170	6	119.8	123.1	14748.23	14354.29	15152.97
171	7	97.6	99.9	9751.96	9523.18	9986.23
172	8	85.7	85.8	7351.41	7340.65	7362.19
173	9	71.9	67.4	4852.72	5176.73	4548.99
174	(75/76-10)	62.2	51.8	3220.24	3863.16	2684.31
175	11	62.5	51.5	3220.46	3908.05	2653.85
176	12	96.0	95.0	9113.83	9213.20	9015.54
177	1	200.7	194.5	39038.36	40289.80	37825.78
178	2	383.5	291.8	111883.59	147036.06	85135.15
179	3	829.2	517.7	429288.40	687519.65	268048.38
180	4	1011.7	612.9	620071.60	1023464.20	375673.91
181	5	505.3	386.5	195327.66	255352.28	149412.79
182	6	203.9	196.1	39991.73	41593.61	38451.53
183	7	152.6	153.3	23395.33	23281.04	23510.18
184	8	123.3	123.1	15176.16	15197.16	15155.19
185	9	99.0	102.8	10178.82	9806.85	10564.90
186	(76/77-10)	105.7	112.4	11890.39	11182.99	12642.53
187	11	106.1	108.3	11493.87	11267.35	11724.94
188	12	169.7	182.7	31008.64	28802.62	33383.62
189	1	337.0	329.2	110945.84	113573.85	108378.65
190	2	484.9	398.4	193176.49	235101.69	158727.72
191	3	676.8	474.2	320923.27	458009.27	224868.25
192	4	608.0	505.1	307141.40	369690.05	255175.49
193	5	276.9	269.3	74573.96	76699.06	72507.74
194	6	167.4	176.8	29601.07	28025.71	31264.99
195	7	135.9	144.8	19667.16	18457.96	20955.58
196	8	113.3	120.4	13642.33	12830.10	14505.98
197	9	91.6	90.4	8280.97	8392.29	8171.13
198	(77/78-10)	80.7	72.6	5857.88	6511.64	5269.76
199	11	82.6	74.7	6165.08	6816.45	5575.96
200	12	190.9	194.6	37152.70	36446.31	37872.78

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
201	1	323.5	263.4	85195.05	104650.49	69356.55
202	2	521.7	382.3	199473.04	272189.29	146183.18
203	3	993.0	593.3	589103.69	985994.28	351972.80
204	4	1436.6	953.8	1370148.83	2063748.29	909659.30
205	5	603.2	449.8	271335.46	363904.87	202313.67
206	6	244.9	229.8	56297.68	59994.80	52828.39
207	7	184.0	182.2	33520.02	33854.60	33188.75
208	8	150.9	149.7	22584.48	22769.82	22400.64
209	9	117.9	120.6	14213.12	13894.18	14539.37
210	(78/79-10)	93.6	92.9	8693.18	8755.99	8630.82
211	11	149.7	159.8	23922.34	22417.77	25527.90
212	12	283.5	280.8	79606.33	80356.23	78863.43
213	1	540.7	451.2	243943.39	292305.19	203583.04
214	2	659.9	513.3	338716.01	435507.28	263436.55
215	5	372.3	335.8	124998.58	138587.55	112742.05
216	6	226.9	224.6	50953.72	51472.24	50440.42
217	7	185.5	185.9	34487.19	34407.59	34566.98
218	8	152.0	154.5	23477.65	23094.97	23866.67
219	9	123.0	117.7	14479.09	15132.18	13854.19
220	(79/80-11)	155.9	159.4	24859.78	24308.01	25424.06
221	12	437.8	394.5	172706.61	191675.99	155614.56
222	1	496.1	407.4	202119.77	246156.84	165960.87
223	2	526.7	446.2	235028.34	277386.05	199138.78
224	3	661.9	533.1	352808.45	438068.44	284142.36
225	4	600.3	524.8	315087.45	360415.84	275459.86
226	5	321.9	308.9	99440.08	103623.44	95425.61
227	6	195.3	206.3	40297.20	38159.23	42554.96
228	7	158.4	171.5	27160.36	25088.16	29403.72
229	8	132.6	154.6	20494.07	17571.23	23903.10
230	9	115.0	112.2	12907.24	13230.36	12592.01
231	(80/81-10)	106.4	94.2	10024.68	11325.80	8873.03
232	11	126.6	115.6	14629.83	16019.85	13360.42
233	12	206.9	221.7	45866.94	42815.73	49135.61
234	1	291.4	279.2	81355.97	84911.13	77949.66
235	2	471.7	399.8	188600.02	222502.96	159862.90
236	3	952.1	613.6	584206.19	906401.93	376540.32
237	4	796.2	604.2	481001.24	633871.60	364998.52
238	5	279.2	271.7	75874.91	77976.41	73830.06
239	6	179.2	156.4	28030.01	32103.24	24473.59
240	(81/82-12)	135.3	33.5	4537.03	18294.36	1125.19
241	1	222.9	86.7	19315.79	49671.18	7511.40
242	2	391.9	164.6	64493.29	153578.19	27083.17
243	3	501.6	233.8	117293.92	251636.36	54673.60
244	4	289.7	125.9	36460.35	83904.40	15843.71
245	5	191.9	66.7	12796.40	36807.13	4448.81
246	7	112.1	113.3	12699.49	12567.71	12832.65
247	8	96.7	93.8	9068.29	9352.04	8793.15
248	9	82.8	75.2	6229.18	6856.62	5659.15
249	(82/83-10)	81.3	78.2	6351.74	6603.81	6109.29
250	11	102.4	104.1	10660.60	10486.60	10837.48

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
251	12	238.2	240.7	57338.14	56754.97	57927.30
252	1	238.4	232.0	55300.50	56833.61	53808.74
253	2	344.1	327.0	112528.40	118435.13	106916.26
254	3	353.2	309.5	109319.75	124726.85	95815.84
255	4	409.7	429.5	175959.49	167872.03	184436.57
256	5	195.7	233.8	45752.38	38281.44	54681.34
257	6	137.0	154.6	21185.89	18778.33	23902.12
258	7	119.9	117.9	14131.31	14375.82	13890.97
259	8	105.6	100.4	10611.33	11161.05	10088.68
260	9	89.9	79.6	7149.20	8076.34	6328.49
261	(83/84-10)	91.4	69.3	6329.90	8351.25	4797.80
262	11	135.9	77.8	10572.71	18469.78	6052.17
263	12	134.8	126.7	17076.02	18176.21	16042.42
264	1	200.4	210.1	42107.81	40150.85	44160.15
265	2	230.3	202.9	46747.03	53056.82	41187.62
266	3	273.4	258.1	70559.66	74765.57	66590.35
267	4	204.4	186.9	38195.71	41768.71	34928.36
268	5	122.0	103.1	12570.12	14875.91	10621.73
269	6	88.8	79.1	7026.29	7893.64	6254.25
270	7	82.5	68.0	5602.59	6798.14	4617.29
271	8	73.2	58.1	4248.59	5352.45	3372.39
272	9	62.4	48.7	3041.21	3892.04	2376.38
273	(84/85-10)	59.5	52.9	3145.59	3535.94	2798.33
274	11	71.5	65.9	4709.40	5112.54	4338.05
275	12	136.6	93.1	12718.83	18649.01	8674.39
276	1	197.0	153.5	30236.77	38802.47	23561.96
277	2	391.3	289.0	113079.14	153142.62	83496.62
278	3	391.2	339.2	132692.63	153076.47	115023.12
279	4	496.4	412.0	204498.27	246426.42	169703.96
280	5	184.4	101.6	18741.13	33997.78	10330.96
281	6	118.8	79.3	9418.26	14119.94	6282.15
282	7	106.5	99.5	10599.47	11342.42	9905.18
283	8	91.4	83.8	7651.32	8344.85	7015.42
284	9	74.9	66.7	4990.88	5602.84	4445.75
285	(85/86-10)	63.3	52.1	3300.04	4010.25	2715.61
286	11	69.3	61.1	4235.94	4806.87	3732.83
287	12	90.4	82.9	7490.45	8173.20	6864.75
288	1	149.8	157.5	23585.70	22430.79	24800.06
289	2	363.7	302.1	109891.78	132295.67	91281.93
290	3	604.2	472.3	285393.00	365080.81	223099.00
291	4	521.9	403.7	210686.75	272400.77	162954.41
292	5	226.7	214.9	48730.91	51401.37	46199.18
293	7	117.2	111.1	13018.23	13727.69	12345.43
294	8	103.1	94.6	9754.61	10632.17	8949.49
295	9	80.6	74.0	5965.81	6495.68	5479.16
296	(86/87-10)	88.2	83.8	7392.37	7779.13	7024.83
297	11	160.1	169.0	27068.55	25641.39	28575.14
298	12	201.0	213.4	42894.53	40417.76	45523.07
299	3	593.5	629.8	373792.81	352269.48	396631.18
300	4	324.6	357.9	116160.15	105363.49	128063.14

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2	
301	5	168.5	233.8	39398.88	28400.23	54657.03	
302	(87/88-10)	80.2	80.6	6462.60	6424.42	6501.01	
303	11	74.3	76.0	5649.45	5519.00	5782.99	
304	12	97.2	111.4	10825.24	9441.52	12411.75	
305	2	369.6	319.7	118170.71	136586.66	102237.78	
306	3	582.6	373.2	217446.46	339413.21	139307.97	
307	4	463.9	396.4	183868.51	215161.74	157126.57	
308	6	121.9	299.7	36550.14	14868.28	89849.84	
309	7	106.4	256.3	27263.67	11317.01	65680.52	
310	8	90.4	160.3	14487.53	8167.89	25696.80	
311	9	74.8	100.6	7529.61	5601.50	10121.39	
312	(88/89-10)	64.2	72.3	4638.12	4116.06	5226.39	
313	11	85.4	95.6	8169.51	7301.31	9140.94	
314	12	106.7	147.3	15708.05	11375.59	21690.57	
315	1	220.1	208.2	45830.93	48458.54	43345.79	
316	2	414.3	293.4	121569.47	171668.56	86091.10	
317	3	287.2	242.2	69576.55	82504.36	58674.43	
318	4	416.3	298.0	124072.04	173334.24	88810.34	
319	5	163.4	161.3	26356.61	26711.16	26006.77	
320	6	109.6	103.7	11364.45	12002.84	10760.00	
321	7	98.2	86.8	8522.44	9633.83	7539.27	
322	8	84.8	72.3	6137.20	7199.25	5231.83	
323	9	67.9	55.6	3776.20	4614.42	3090.25	
T O T A L		83189	69271	30127458	40267263	23533777	
Y = a + b*X						a =	46.51239
X = a' + b'*Y		(a' = -a/b, b' = 1/b)				b =	0.65210
						a' =	-71.32750
						b' =	1.53352
		Correlation Coefficient				c =	0.96087

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORELATION BETWEEN STATIONS X and Y

X: NO.04 2-030 LUKULU

Y: NO.03 1-950 WATOPA PONTOON

(DISCHARGE UNIT : m³/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	260.1	49.4	12852.17	67644.73	2441.85
2	11	280.9	57.5	16161.46	78896.42	3310.58
3	12	349.4	85.6	29918.71	122096.21	7331.34
4	1	587.2	154.4	90649.28	344798.27	23832.17
5	2	1097.0	230.4	252717.33	1203343.44	53073.83
6	3	2124.4	640.9	1361580.81	4512973.40	410793.98
7	4	1790.5	484.0	866572.19	3205788.01	234247.36
8	5	905.9	167.7	151940.92	820588.45	28133.52
9	6	587.7	109.7	64446.64	345335.95	12027.04
10	7	430.2	90.1	38773.09	185048.12	8124.12
11	8	326.9	76.6	25038.87	106830.96	5868.57
12	9	234.7	64.7	15190.52	55091.61	4188.51
13	(60/61-10)	205.7	57.1	11739.56	42323.40	3256.29
14	11	252.8	74.2	18752.12	63909.40	5502.20
15	12	375.4	92.7	34810.20	140953.72	8596.79
16	1	563.4	188.3	106070.34	317459.58	35440.47
17	2	1041.9	401.3	418101.04	1085559.10	161030.82
18	3	2122.1	1001.3	2124771.20	4503196.04	1002544.11
19	4	2294.6	933.7	2142364.11	5265156.55	871716.52
20	5	1290.1	263.8	340276.76	1664356.35	69569.40
21	6	735.8	149.7	110119.70	541466.63	22395.38
22	7	521.5	119.9	62530.42	271977.21	14376.40
23	8	426.5	97.5	41599.88	181890.83	9514.23
24	9	360.0	80.7	29047.95	129590.99	6511.13
25	(61/62-10)	324.1	70.1	22708.28	105051.65	4908.69
26	11	368.4	97.0	35738.33	135724.15	9410.47
27	12	629.7	201.6	126938.84	396558.78	40633.24
28	1	1222.3	385.8	471556.79	1493995.72	148839.65
29	2	1800.3	588.7	1059806.88	3241134.43	346542.43
30	3	2294.0	980.5	2249133.88	5262219.71	961305.97
31	4	2243.8	1105.3	2480156.86	5034691.20	1221758.75
32	5	1430.6	394.0	563691.23	2046650.84	155252.57
33	6	859.9	205.9	177045.05	739501.72	42386.58
34	7	588.7	157.1	92470.33	346575.43	24672.15
35	8	479.3	129.1	61883.34	229725.15	16670.13
36	9	404.5	102.5	41482.20	163628.27	10516.36
37	(62/63-10)	366.4	84.5	30955.00	134223.90	7138.91
38	11	391.9	110.5	43312.92	153597.40	12213.81
39	12	828.0	532.2	440652.55	685567.00	283232.23
40	1	1722.7	856.8	1476075.72	2967851.40	734133.64
41	2	2182.1	937.2	2045111.11	4761620.00	878373.21
42	3	2465.0	1150.8	2836731.91	6076328.91	1324327.24
43	4	1900.6	583.1	1108211.21	3612234.19	339992.37
44	5	1064.7	245.4	261294.53	1133523.23	60232.41
45	6	693.0	175.1	121309.66	480218.20	30644.47
46	7	552.6	147.0	81253.69	305321.13	21623.67
47	8	469.1	118.0	55365.22	220009.00	13932.65
48	9	404.2	96.1	38848.71	163414.92	9235.52
49	(63/64-10)	369.6	85.1	31444.39	136598.77	7238.35
50	11	455.4	139.8	63657.47	207407.81	19537.71

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
51	12	782.4	371.7	290864.01	612178.80	138197.97
52	1	1060.4	369.5	391830.38	1124527.48	136529.39
53	2	1554.3	722.1	1122322.13	2415749.03	521414.66
54	3	1655.5	675.4	1118120.72	2740718.71	456155.51
55	4	1279.8	390.7	500036.37	1637769.23	152668.87
56	5	707.5	183.0	129498.94	500547.88	33503.24
57	6	527.3	139.8	73696.03	278053.03	19532.62
58	7	443.0	121.4	53772.88	196267.07	14732.59
59	8	393.2	105.3	41406.69	154612.41	11089.11
60	9	353.4	88.2	31169.42	124885.03	7779.42
61	(64/65-10)	317.0	77.5	24555.30	100487.33	6000.38
62	11	355.3	93.7	33299.08	126245.44	8783.12
63	12	460.6	163.1	75116.72	212143.70	26597.64
64	1	927.6	333.4	309272.42	860390.72	111169.76
65	2	1654.3	578.2	956479.07	2736713.86	334288.59
66	3	1810.3	590.0	1068104.88	3277100.27	348127.29
67	4	1354.8	350.5	474855.69	1835514.44	122847.26
68	5	769.3	172.4	132635.90	591844.41	29724.51
69	6	528.3	133.7	70610.58	279099.93	17864.05
70	7	434.3	111.8	48535.99	188609.87	12490.03
71	8	376.8	95.6	36026.10	141985.01	9140.96
72	9	337.8	83.8	28310.52	114135.36	7022.24
73	(65/66-10)	319.8	76.6	24499.91	102262.35	5869.67
74	11	322.4	86.1	27765.21	103922.90	7418.06
75	12	477.4	147.4	70344.09	227877.34	21714.71
76	1	646.3	217.9	140860.06	417748.19	47496.45
77	2	1046.0	378.6	396050.05	1094116.68	143362.81
78	3	1958.7	928.4	1818527.98	3836689.48	861952.48
79	4	1697.0	459.3	779376.16	2879914.81	210918.46
80	5	925.4	220.3	203837.67	856439.86	48514.55
81	6	572.6	146.6	83960.50	327877.62	21499.99
82	7	457.8	120.7	55256.58	209617.66	14566.00
83	8	392.0	103.7	40656.07	153648.04	10757.81
84	9	348.7	88.5	30847.39	121625.77	7823.68
85	(66/67-10)	313.3	74.1	23202.95	98129.15	5486.41
86	11	331.4	79.1	26218.57	109803.66	6260.39
87	12	367.1	98.4	36136.39	134743.79	9691.27
88	1	503.5	125.4	63129.35	253554.43	15717.79
89	2	993.6	278.6	276790.45	987147.54	77610.44
90	3	1608.2	451.8	726567.82	2586198.57	204122.30
91	4	1886.5	602.2	1136022.01	3558716.50	362643.67
92	5	1150.6	251.2	289007.37	1323803.82	63094.89
93	6	667.4	147.5	98456.74	445411.88	21763.52
94	7	461.1	124.8	57528.93	212590.06	15567.88
95	8	380.8	108.5	41331.92	145042.45	11778.12
96	9	344.2	87.0	29939.20	118469.91	7566.11
97	(67/68-2)	2229.6	509.7	1136445.59	4971249.70	259795.56
98	3	2236.8	879.7	1967771.68	5003243.92	773922.97
99	4	1816.2	491.9	893455.47	3298515.77	242006.63
100	5	1126.9	217.1	244595.07	1269841.16	47113.57

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
101	6	714.6	149.1	106534.50	510686.13	22224.22
102	7	510.5	135.0	68902.81	260567.43	18220.22
103	8	414.0	118.0	48862.22	171437.09	13926.49
104	9	393.5	97.8	38493.19	154855.83	9568.42
105	(68/69-10)	372.8	78.6	29303.31	139009.73	6177.15
106	11	400.6	101.1	40488.97	160451.11	10217.17
107	12	655.0	270.8	177369.34	428991.47	73334.52
108	1	1110.9	572.8	636362.74	1234200.16	328113.34
109	2	2097.2	1242.8	2606431.86	4398390.20	1544539.42
110	3	2604.2	1724.5	4490903.97	6781659.09	2973935.76
111	4	2495.6	1902.1	4746874.47	6227998.67	3617986.85
112	5	1260.4	490.9	618766.59	1588506.28	241026.49
113	6	782.2	270.2	211321.51	611837.77	72981.98
114	7	613.9	207.9	127645.78	376881.30	43232.30
115	8	518.2	170.1	88162.77	268533.27	28944.92
116	9	446.5	136.5	60966.64	199351.91	18645.07
117	(69/70-10)	438.8	132.1	57953.52	192531.21	17444.50
118	11	515.7	175.0	90237.27	265996.92	30612.25
119	12	791.4	328.0	259592.16	626237.51	107607.88
120	1	1371.5	627.1	860098.85	1880876.76	393311.27
121	2	2214.9	1215.5	2692204.23	4905966.03	1477377.45
122	3	2270.7	1000.2	2271134.91	5155923.60	1000413.15
123	4	1356.5	453.1	614580.30	1840169.97	205257.64
124	5	850.0	243.8	207226.21	722428.27	59442.17
125	6	604.2	178.0	107547.42	365075.38	31682.35
126	7	495.3	150.0	74283.76	245279.33	22497.12
127	8	435.5	120.2	52367.40	189673.73	14458.22
128	9	378.8	99.3	37628.33	143482.16	9868.07
129	(70/71-10)	358.2	92.7	33189.10	128284.71	8586.50
130	11	392.0	118.7	46519.61	153685.03	14081.23
131	12	589.5	258.1	152187.75	347551.81	66640.74
132	1	996.4	510.4	508516.08	992798.67	260464.29
133	2	1700.4	917.4	1560010.65	2891458.02	841663.00
134	3	1862.4	776.2	1445616.72	3468474.55	602514.93
135	4	1218.0	385.1	469066.32	1483630.79	148300.52
136	5	885.5	227.4	201341.46	784130.27	51698.53
137	6	586.1	161.6	94678.77	343466.73	26098.80
138	7	481.5	135.9	65432.24	231812.53	18469.14
139	8	420.3	114.0	47903.34	176688.16	12987.46
140	9	374.4	96.6	36164.59	140204.93	9328.33
141	(71/72-10)	340.2	83.2	28293.96	115724.39	6917.71
142	11	375.6	102.7	38595.19	141108.74	10556.32
143	12	454.0	148.4	67363.05	206127.65	22014.42
144	1	638.1	229.0	146110.51	407116.94	52437.71
145	2	664.5	195.8	130105.61	441507.03	38340.20
146	3	1015.9	365.7	371494.65	1032075.61	133719.15
147	4	1251.6	269.2	336942.95	1566617.78	72468.57
148	5	945.3	191.4	180963.70	893545.11	36649.36
149	6	559.7	133.7	74803.15	313210.94	17864.99
150	7	426.7	112.7	48102.90	182094.10	12707.10

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
151	8	366.5	94.3	34577.96	134318.87	8901.47
152	9	323.5	78.8	25488.65	104650.93	6207.98
153	(72/73-10)	313.6	72.0	22567.42	98364.78	5177.55
154	11	336.1	77.3	25983.82	112949.77	5977.52
155	12	385.2	96.8	37306.61	148382.30	9379.71
156	1	587.8	161.6	94983.62	345509.26	26111.86
157	2	731.8	169.9	124318.61	535579.97	28856.79
158	3	1159.4	266.4	308818.89	1344254.04	70945.75
159	4	1064.4	189.4	201567.83	1132861.74	35864.56
160	5	673.0	113.2	76212.37	452948.41	12823.37
161	6	430.7	85.7	36932.36	185537.05	7351.63
162	7	359.5	77.4	27836.30	129248.16	5995.13
163	8	313.9	70.5	22137.13	98526.04	4973.84
164	9	277.5	60.9	16903.64	76999.68	3710.84
165	(73/74-10)	261.7	58.5	15299.53	68492.80	3417.52
166	11	298.8	66.7	19934.48	89257.24	4452.11
167	12	379.4	91.9	34853.37	143923.90	8440.27
168	1	671.1	156.6	105086.07	450389.36	24518.97
169	2	1289.2	265.2	341940.56	1661943.94	70353.36
170	3	1327.1	304.0	403499.93	1761298.84	92438.71
171	4	1478.9	269.4	398475.37	2187093.05	72599.85
172	5	899.1	139.0	125006.27	808383.05	19330.65
173	6	532.0	95.7	50907.30	283038.47	9156.19
174	7	408.3	83.7	34194.35	166726.83	7012.99
175	8	344.6	74.9	25799.74	118722.47	5606.57
176	9	309.2	61.9	19154.72	95613.02	3837.38
177	(74/75-10)	291.1	51.0	14854.49	84720.96	2604.50
178	11	347.6	56.7	19694.88	120838.91	3209.96
179	12	554.3	111.7	61924.51	307302.83	12478.39
180	1	1456.6	381.2	555299.68	2121546.00	145345.77
181	2	1731.7	483.3	836967.36	2998768.23	233600.70
182	3	2124.4	856.3	1819003.93	4512863.60	733187.52
183	4	1819.7	508.5	925365.39	3311301.52	258599.55
184	5	1056.9	191.0	201863.82	1117128.18	36476.57
185	6	692.6	119.8	82983.21	479731.99	14354.29
186	7	542.0	97.6	52888.97	293729.82	9523.18
187	8	458.8	85.7	39310.01	210509.49	7340.65
188	9	401.2	71.9	28869.16	160995.06	5176.73
189	(75/76-11)	362.3	62.5	22651.29	131288.28	3908.05
190	12	464.2	96.0	44554.01	215458.28	9213.20
191	1	659.4	200.7	132366.60	434872.32	40289.80
192	2	1398.1	383.5	536104.86	1954679.86	147036.06
193	3	2216.6	829.2	1837932.39	4913307.58	687519.65
194	4	2290.1	1011.7	2316835.50	5244664.86	1023464.20
195	5	1537.5	505.3	776953.17	2364013.45	255352.28
196	6	859.4	203.9	175265.54	738527.13	41593.61
197	7	553.3	152.6	84423.68	306144.32	23281.04
198	8	434.9	123.3	53617.02	189165.90	15197.16
199	9	387.6	99.0	38379.54	150199.95	9806.85
200	(76/77-10)	434.8	105.7	45979.14	189044.29	11182.99

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
201	11	433.6	106.1	46028.60	188032.86	11267.35
202	12	549.7	169.7	93286.43	302137.74	28802.62
203	1	800.1	337.0	269646.26	640192.35	113573.85
204	2	1397.4	484.9	677546.16	1952639.30	235101.69
205	3	1700.3	676.8	1150722.55	2891125.69	458009.27
206	4	1863.9	608.0	1133319.93	3474299.76	369690.05
207	7	542.5	135.9	73706.80	294327.91	18457.96
208	8	458.0	113.3	51872.46	209721.84	12830.10
209	9	392.4	91.6	35943.31	153941.52	8392.29
210	(77/78-10)	365.0	80.7	29453.84	133227.46	6511.64
211	11	352.0	82.6	29058.59	123877.09	6816.45
212	12	526.2	190.9	100453.84	276872.32	36446.31
213	1	914.8	323.5	295926.68	836810.17	104650.49
214	2	1175.2	521.7	613142.71	1381185.81	272189.29
215	3	1997.6	993.0	1983546.51	3990344.43	985994.28
216	4	2569.9	1436.6	3691911.81	6604590.73	2063748.29
217	5	1669.3	603.2	1007014.62	2786658.03	363904.87
218	8	495.9	150.9	74826.14	245893.54	22769.82
219	9	426.1	117.9	50226.53	181565.52	13894.18
220	(78/79-10)	378.1	93.6	35381.54	142971.07	8755.99
221	11	519.5	149.7	77786.64	269909.15	22417.77
222	12	782.8	283.5	221904.61	612792.04	80356.23
223	1	1235.9	540.7	668168.96	1527341.19	292305.19
224	2	1716.8	659.9	1132952.19	2947323.13	435507.28
225	3	2245.8	1197.4	2689229.55	5043751.22	1433844.63
226	4	2296.7	1246.7	2863254.39	5275043.55	1554153.18
227	5	1139.2	372.3	424089.76	1297750.97	138587.55
228	6	728.4	226.9	165263.04	530613.59	51472.24
229	7	589.5	185.5	109353.17	347542.96	34407.59
230	8	506.3	152.0	76943.14	256343.58	23094.97
231	9	444.5	123.0	54677.95	197570.96	15132.18
232	(79/80-10)	403.3	107.3	43259.02	162671.13	11503.84
233	11	495.5	155.9	77260.79	245566.34	24308.01
234	12	985.9	437.8	431631.90	971984.57	191675.99
235	1	1784.1	496.1	885143.65	3182845.85	246156.84
236	2	1698.3	526.7	894446.54	2884191.97	277386.05
237	3	1920.9	661.9	1271354.08	3689700.20	438068.44
238	4	1596.7	600.3	958571.77	2549443.50	360415.84
239	5	1046.5	321.9	336884.36	1095225.89	103623.44
240	6	672.1	195.3	131281.02	451652.37	38159.23
241	7	543.9	158.4	86142.33	295777.05	25088.16
242	8	470.3	132.6	62347.64	221226.85	17571.23
243	9	412.8	115.0	47478.84	170383.81	13230.36
244	(80/81-10)	361.1	106.4	38432.12	130412.72	11325.80
245	11	403.9	126.6	51116.66	163104.70	16019.85
246	12	541.1	206.9	111955.19	292742.08	42815.73
247	1	674.2	291.4	196465.38	454576.97	84911.13
248	2	1043.2	471.7	492064.74	1088199.92	222502.96
249	3	1702.4	952.1	1620794.88	2898246.30	906401.93
250	4	1975.2	796.2	1572566.23	3901365.16	633871.60

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
251	6	649.6	179.2	116389.78	421969.27	32103.24
252	(81/82-10)	328.8	87.0	28597.37	108135.62	7562.81
253	11	332.1	89.4	29681.51	110294.83	7987.61
254	12	412.2	135.3	55749.39	169888.16	18294.36
255	7	452.4	112.1	50721.20	204702.32	12567.71
256	8	364.1	96.7	35208.20	132550.44	9352.04
257	9	322.7	82.8	26722.39	104145.54	6856.62
258	(82/83-10)	310.2	81.3	25205.13	96201.78	6603.81
259	11	378.9	102.4	38803.91	143587.34	10486.60
260	12	698.2	238.2	166337.09	487499.61	56754.97
261	1	782.6	238.4	186566.04	612434.95	56833.61
262	2	1045.8	344.1	359914.70	1093751.48	118435.13
263	3	1056.6	353.2	373166.57	1116466.00	124726.85
264	4	1042.6	409.7	427172.26	1086995.50	167872.03
265	5	714.9	195.7	139881.19	511128.79	38281.44
266	6	520.1	137.0	71266.09	270463.70	18778.33
267	7	446.4	119.9	53528.77	199315.90	14375.82
268	8	350.5	105.6	37024.40	122820.58	11161.05
269	9	298.8	89.9	26853.96	89289.91	8076.34
270	(83/84-10)	280.5	91.4	25635.43	78691.89	8351.25
271	11	301.6	135.9	40992.96	90982.25	18469.78
272	12	353.4	134.8	47642.81	124879.58	18176.21
273	1	591.4	200.4	118501.23	349744.55	40150.85
274	2	1182.7	230.3	272427.49	1398816.00	53056.82
275	3	1445.1	273.4	395150.79	2088449.98	74765.57
276	4	1034.6	204.4	211440.68	1070350.50	41768.71
277	6	390.0	88.8	34653.04	152126.68	7893.64
278	7	327.7	82.5	27018.09	107379.05	6798.14
279	8	286.4	73.2	20950.98	82008.04	5352.45
280	9	301.9	62.4	18832.63	91126.46	3892.04
281	(84/85-10)	294.0	59.5	17480.34	86416.10	3535.94
282	11	325.9	71.5	23300.13	106189.18	5112.54
283	12	411.7	136.6	56225.87	169518.30	18649.01
284	1	550.8	197.0	108505.75	303421.38	38802.47
285	2	887.6	391.3	347335.22	787773.88	153142.62
286	3	1296.6	391.2	507277.49	1681058.15	153076.47
287	4	1455.4	496.4	722481.75	2118197.73	246426.42
288	5	816.9	184.4	150621.67	667304.91	33997.78
289	6	490.0	118.8	58226.58	240109.67	14119.94
290	7	380.5	106.5	40521.31	144764.21	11342.42
291	8	322.1	91.4	29427.53	103774.14	8344.85
292	9	284.6	74.9	21303.62	81002.49	5602.84
293	(85/86-10)	259.1	63.3	16406.39	67120.51	4010.25
294	11	270.6	69.3	18758.80	73206.15	4806.87
295	12	298.8	90.4	27015.52	89296.58	8173.20
296	1	416.0	149.8	62301.96	173044.87	22430.79
297	2	809.9	363.7	294598.17	656016.06	132295.67
298	3	1316.2	604.2	795265.22	1732347.35	365080.81
299	4	1782.9	521.9	930555.10	3178892.58	272400.77
300	5	851.1	226.7	192962.56	724388.28	51401.37

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2	
301	7	385.0	117.2	45110.02	148234.28	13727.69	
302	8	334.9	103.1	34529.43	112139.08	10632.17	
303	9	296.0	80.6	23855.48	87609.54	6495.68	
304	(86/87-10)	307.5	88.2	27118.79	94538.69	7779.13	
305	11	445.5	160.1	71342.25	198496.16	25641.39	
306	12	663.1	201.0	133315.84	439735.25	40417.76	
307	1	839.8	260.7	218973.17	705268.86	67987.19	
308	5	677.6	168.5	114193.63	459157.81	28400.23	
309	(87/88-1)	478.0	183.4	87655.38	228436.34	33635.04	
310	2	955.4	369.6	353096.19	912804.50	136586.66	
311	3	1405.4	582.6	818765.53	1975105.82	339413.21	
312	4	1396.1	463.9	647592.83	1949121.91	215161.74	
313	5	810.6	165.2	133933.55	657119.55	27298.22	
314	6	506.5	121.9	61755.50	256501.79	14868.28	
315	7	396.5	106.4	42177.67	157193.04	11317.01	
316	(88/89-10)	278.6	64.2	17872.31	77603.26	4116.06	
317	11	331.1	85.4	28294.14	109645.81	7301.31	
318	12	421.9	106.7	45000.48	178016.61	11375.59	
319	1	689.8	220.1	151838.29	475764.76	48458.54	
320	2	1135.3	414.3	470380.40	1288865.72	171668.56	
321	8	403.9	84.8	34266.03	163094.90	7199.25	
322	9	345.1	67.9	23439.51	119063.79	4614.42	
T O T A L		265559	89604	123654434	329020881	51601772	
Y = a + b*X						a=	-94.73473
X = a' + b'*Y		(a'=-a/b, b'=1/b)				b=	0.45229
						a'=	209.45680
						b'=	2.21098
		Corelation Coefficient				c=	0.91863

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORELATION BETWEEN STATIONS X and Y

X: NO.03 1-950 WATOPA PONTOON

Y: NO.04 2-030 LUKULU

(DISCHARGE UNIT : m³/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	49.4	260.1	12852.17	2441.85	67644.73
2	11	57.5	280.9	16161.46	3310.58	78896.42
3	12	85.6	349.4	29918.71	7331.34	122096.21
4	1	154.4	587.2	90649.28	23832.17	344798.27
5	2	230.4	1097.0	252717.33	53073.83	1203343.44
6	3	640.9	2124.4	1361580.81	410793.98	4512973.40
7	4	484.0	1790.5	866572.19	234247.36	3205788.01
8	5	167.7	905.9	151940.92	28133.52	820588.45
9	6	109.7	587.7	64446.64	12027.04	345335.95
10	7	90.1	430.2	38773.09	8124.12	185048.12
11	8	76.6	326.9	25038.87	5868.57	106830.96
12	9	64.7	234.7	15190.52	4188.51	55091.61
13	(60/61-10)	57.1	205.7	11739.56	3256.29	42323.40
14	11	74.2	252.8	18752.12	5502.20	63909.40
15	12	92.7	375.4	34810.20	8596.79	140953.72
16	1	188.3	563.4	106070.34	35440.47	317459.58
17	2	401.3	1041.9	418101.04	161030.82	1085559.10
18	3	1001.3	2122.1	2124771.20	1002544.11	4503196.04
19	4	933.7	2294.6	2142364.11	871716.52	5265156.55
20	5	263.8	1290.1	340276.76	69569.40	1664356.35
21	6	149.7	735.8	110119.70	22395.38	541466.63
22	7	119.9	521.5	62530.42	14376.40	271977.21
23	8	97.5	426.5	41599.88	9514.23	181890.83
24	9	80.7	360.0	29047.95	6511.13	129590.99
25	(61/62-10)	70.1	324.1	22708.28	4908.69	105051.65
26	11	97.0	368.4	35738.33	9410.47	135724.15
27	12	201.6	629.7	126938.84	40633.24	396558.78
28	1	385.8	1222.3	471556.79	148839.65	1493995.72
29	2	588.7	1800.3	1059806.88	346542.43	3241134.43
30	3	980.5	2294.0	2249133.88	961305.97	5262219.71
31	4	1105.3	2243.8	2480156.86	1221758.75	5034691.20
32	5	394.0	1430.6	563691.23	155252.57	2046650.84
33	6	205.9	859.9	177045.05	42386.58	739501.72
34	7	157.1	588.7	92470.33	24672.15	346575.43
35	8	129.1	479.3	61883.34	16670.13	229725.15
36	9	102.5	404.5	41482.20	10516.36	163628.27
37	(62/63-10)	84.5	366.4	30955.00	7138.91	134223.90
38	11	110.5	391.9	43312.92	12213.81	153597.40
39	12	532.2	828.0	440652.55	283232.23	685567.00
40	1	856.8	1722.7	1476075.72	734133.64	2967851.40
41	2	937.2	2182.1	2045111.11	878373.21	4761620.00
42	3	1150.8	2465.0	2836731.91	1324327.24	6076328.91
43	4	583.1	1900.6	1108211.21	339992.37	3612234.19
44	5	245.4	1064.7	261294.53	60232.41	1133523.23
45	6	175.1	693.0	121309.66	30644.47	480218.20
46	7	147.0	552.6	81253.69	21623.67	305321.13
47	8	118.0	469.1	55365.22	13932.65	220009.00
48	9	96.1	404.2	38848.71	9235.52	163414.92
49	(63/64-10)	85.1	369.6	31444.39	7238.35	136598.77
50	11	139.8	455.4	63657.47	19537.71	207407.81

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
51	12	371.7	782.4	290864.01	138197.97	612178.80
52	1	369.5	1060.4	391830.38	136529.39	1124527.48
53	2	722.1	1554.3	1122322.13	521414.66	2415749.03
54	3	675.4	1655.5	1118120.72	456155.51	2740718.71
55	4	390.7	1279.8	500036.37	152668.87	1637769.23
56	5	183.0	707.5	129498.94	33503.24	500547.88
57	6	139.8	527.3	73696.03	19532.62	278053.03
58	7	121.4	443.0	53772.88	14732.59	196267.07
59	8	105.3	393.2	41406.69	11089.11	154612.41
60	9	88.2	353.4	31169.42	7779.42	124885.03
61	(64/65-10)	77.5	317.0	24555.30	6000.38	100487.33
62	11	93.7	355.3	33299.08	8783.12	126245.44
63	12	163.1	460.6	75116.72	26597.64	212143.70
64	1	333.4	927.6	309272.42	111169.76	860390.72
65	2	578.2	1654.3	956479.07	334288.59	2736713.86
66	3	590.0	1810.3	1068104.88	348127.29	3277100.27
67	4	350.5	1354.8	474855.69	122847.26	1835514.44
68	5	172.4	769.3	132635.90	29724.51	591844.41
69	6	133.7	528.3	70610.58	17864.05	279099.93
70	7	111.8	434.3	48535.99	12490.03	188609.87
71	8	95.6	376.8	36026.10	9140.96	141985.01
72	9	83.8	337.8	28310.52	7022.24	114135.36
73	(65/66-10)	76.6	319.8	24499.91	5869.67	102262.35
74	11	86.1	322.4	27765.21	7418.06	103922.90
75	12	147.4	477.4	70344.09	21714.71	227877.34
76	1	217.9	646.3	140860.06	47496.45	417748.19
77	2	378.6	1046.0	396050.05	143362.81	1094116.68
78	3	928.4	1958.7	1818527.98	861952.48	3836689.48
79	4	459.3	1697.0	779376.16	210918.46	2879914.81
80	5	220.3	925.4	203837.67	48514.55	856439.86
81	6	146.6	572.6	83960.50	21499.99	327877.62
82	7	120.7	457.8	55256.58	14566.00	209617.66
83	8	103.7	392.0	40656.07	10757.81	153648.04
84	9	88.5	348.7	30847.39	7823.68	121625.77
85	(66/67-10)	74.1	313.3	23202.95	5486.41	98129.15
86	11	79.1	331.4	26218.57	6260.39	109803.66
87	12	98.4	367.1	36136.39	9691.27	134743.79
88	1	125.4	503.5	63129.35	15717.79	253554.43
89	2	278.6	993.6	276790.45	77610.44	987147.54
90	3	451.8	1608.2	726567.82	204122.30	2586198.57
91	4	602.2	1886.5	1136022.01	362643.67	3558716.50
92	5	251.2	1150.6	289007.37	63094.89	1323803.82
93	6	147.5	667.4	98456.74	21763.52	445411.88
94	7	124.8	461.1	57528.93	15567.88	212590.06
95	8	108.5	380.8	41331.92	11778.12	145042.45
96	9	87.0	344.2	29939.20	7566.11	118469.91
97	(67/68-2)	509.7	2229.6	1136445.59	259795.56	4971249.70
98	3	879.7	2236.8	1967771.68	773922.97	5003243.92
99	4	491.9	1816.2	893455.47	242006.63	3298515.77
100	5	217.1	1126.9	244595.07	47113.57	1269341.16

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
101	6	149.1	714.6	106534.50	22224.22	510686.13
102	7	135.0	510.5	68902.81	18220.22	260567.43
103	8	118.0	414.0	48862.22	13926.49	171437.09
104	9	97.8	393.5	38493.19	9568.42	154855.83
105	(68/69-10)	78.6	372.8	29303.31	6177.15	139009.73
106	11	101.1	400.6	40488.97	10217.17	160451.11
107	12	270.8	655.0	177369.34	73334.52	428991.47
108	1	572.8	1110.9	636362.74	328113.34	1234200.16
109	2	1242.8	2097.2	2606431.86	1544539.42	4398390.20
110	3	1724.5	2604.2	4490903.97	2973935.76	6781659.09
111	4	1902.1	2495.6	4746874.47	3617986.85	6227998.67
112	5	490.9	1260.4	618766.59	241026.49	1588506.28
113	6	270.2	782.2	211321.51	72981.98	611887.77
114	7	207.9	613.9	127645.78	43232.30	376881.30
115	8	170.1	518.2	88162.77	28944.92	268533.27
116	9	136.5	446.5	60966.64	18645.07	199351.91
117	(69/70-10)	132.1	438.8	57953.52	17444.50	192531.21
118	11	175.0	515.7	90237.27	30612.25	265996.92
119	12	328.0	791.4	259592.16	107607.88	626237.51
120	1	627.1	1371.5	860098.85	393311.27	1880876.76
121	2	1215.5	2214.9	2692204.23	1477377.45	4905966.03
122	3	1000.2	2270.7	2271134.91	1000413.15	5155923.60
123	4	453.1	1356.5	614580.30	205257.64	1840169.97
124	5	243.8	850.0	207226.21	59442.17	722428.27
125	6	178.0	604.2	107547.42	31682.35	365075.38
126	7	150.0	495.3	74283.76	22497.12	245279.33
127	8	120.2	435.5	52367.40	14458.22	189673.73
128	9	99.3	378.8	37628.33	9868.07	143482.16
129	(70/71-10)	92.7	358.2	33189.10	8586.50	128284.71
130	11	118.7	392.0	46519.61	14081.23	153685.03
131	12	258.1	589.5	152187.75	66640.74	347551.81
132	1	510.4	996.4	508516.08	260464.29	992798.67
133	2	917.4	1700.4	1560010.65	841663.00	2891458.02
134	3	776.2	1862.4	1445616.72	602514.93	3468474.55
135	4	385.1	1218.0	469066.32	148300.52	1483630.79
136	5	227.4	885.5	201341.46	51698.53	784130.27
137	6	161.6	536.1	94678.77	26098.80	343466.73
138	7	135.9	481.5	65432.24	18469.14	231812.53
139	8	114.0	420.3	47903.34	12987.46	176688.16
140	9	96.6	374.4	36164.59	9328.33	140204.93
141	(71/72-10)	83.2	340.2	28293.96	6917.71	115724.39
142	11	102.7	375.6	38595.19	10556.32	141108.74
143	12	148.4	454.0	67363.05	22014.42	206127.65
144	1	229.0	638.1	146110.51	52437.71	407116.94
145	2	195.8	664.5	130105.61	38340.20	441507.03
146	3	365.7	1015.9	371494.65	133719.15	1032075.61
147	4	269.2	1251.6	336942.95	72468.57	1566617.78
148	5	191.4	945.3	180963.70	36649.36	893545.11
149	6	133.7	559.7	74803.15	17864.99	313210.94
150	7	112.7	426.7	48102.90	12707.10	182094.10

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
151	8	94.3	366.5	34577.96	8901.47	134318.87
152	9	78.8	323.5	25488.65	6207.98	104650.93
153	(72/73-10)	72.0	313.6	22567.42	5177.55	98364.78
154	11	77.3	336.1	25983.82	5977.52	112949.77
155	12	96.8	385.2	37306.61	9379.71	148382.30
156	1	161.6	587.8	94983.62	26111.86	345509.26
157	2	169.9	731.8	124318.61	28856.79	535579.97
158	3	266.4	1159.4	308818.89	70945.75	1344254.04
159	4	189.4	1064.4	201567.83	35864.56	1132861.74
160	5	113.2	673.0	76212.37	12823.37	452948.41
161	6	85.7	430.7	36932.36	7351.63	185537.05
162	7	77.4	359.5	27836.30	5995.13	129248.16
163	8	70.5	313.9	22137.13	4973.84	98526.04
164	9	60.9	277.5	16903.64	3710.84	76999.68
165	(73/74-10)	58.5	261.7	15299.53	3417.52	68492.80
166	11	66.7	298.8	19934.48	4452.11	89257.24
167	12	91.9	379.4	34853.37	8440.27	143923.90
168	1	156.6	671.1	105086.07	24518.97	450389.36
169	2	265.2	1289.2	341940.56	70353.36	1661943.94
170	3	304.0	1327.1	403499.93	92438.71	1761298.84
171	4	269.4	1478.9	398475.37	72599.85	2187093.05
172	5	139.0	899.1	125006.27	19330.65	808383.05
173	6	95.7	532.0	50907.30	9156.19	283038.47
174	7	83.7	408.3	34194.35	7012.99	166726.83
175	8	74.9	344.6	25799.74	5606.57	118722.47
176	9	61.9	309.2	19154.72	3837.38	95613.02
177	(74/75-10)	51.0	291.1	14854.49	2604.50	84720.96
178	11	56.7	347.6	19694.88	3209.96	120838.91
179	12	111.7	554.3	61924.51	12478.39	307302.83
180	1	381.2	1456.6	555299.68	145345.77	2121546.00
181	2	483.3	1731.7	836967.36	233600.70	2998768.23
182	3	856.3	2124.4	1819003.93	733187.52	4512863.60
183	4	508.5	1819.7	925365.39	258599.55	3311301.52
184	5	191.0	1056.9	201863.82	36476.57	1117128.18
185	6	119.8	692.6	82983.21	14354.29	479731.99
186	7	97.6	542.0	52888.97	9523.18	293729.82
187	8	85.7	458.8	39310.01	7340.65	210509.49
188	9	71.9	401.2	28869.16	5176.73	160995.06
189	(75/76-11)	62.5	362.3	22651.29	3908.05	131288.28
190	12	96.0	464.2	44554.01	9213.20	215458.28
191	1	200.7	659.4	132366.60	40289.80	434872.32
192	2	383.5	1398.1	536104.86	147036.06	1954679.86
193	3	829.2	2216.6	1837932.39	687519.65	4913307.58
194	4	1011.7	2290.1	2316835.50	1023464.20	5244664.86
195	5	505.3	1537.5	776953.17	255352.28	2364013.45
196	6	203.9	859.4	175265.54	41593.61	738527.13
197	7	152.6	553.3	84423.68	23281.04	306144.32
198	8	123.3	434.9	53617.02	15197.16	189165.90
199	9	99.0	387.6	38379.54	9806.85	150199.95
200	(76/77-10)	105.7	434.8	45979.14	11182.99	189044.29

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
201	11	106.1	433.6	46028.60	11267.35	188032.86
202	12	169.7	549.7	93286.43	28802.62	302137.74
203	1	337.0	800.1	269646.26	113573.85	640192.35
204	2	484.9	1397.4	677546.16	235101.69	1952639.30
205	3	676.8	1700.3	1150722.55	458009.27	2891125.69
206	4	608.0	1863.9	1133319.93	369690.05	3474299.76
207	7	135.9	542.5	73706.80	18457.96	294327.91
208	8	113.3	458.0	51872.46	12830.10	209721.84
209	9	91.6	392.4	35943.31	8392.29	153941.52
210	(77/78-10)	80.7	365.0	29453.84	6511.64	133227.46
211	11	82.6	352.0	29058.59	6816.45	123877.09
212	12	190.9	526.2	100453.84	36446.31	276872.32
213	1	323.5	914.8	295926.68	104650.49	836810.17
214	2	521.7	1175.2	613142.71	272189.29	1381185.81
215	3	993.0	1997.6	1983546.51	985994.28	3990344.43
216	4	1436.6	2569.9	3691911.81	2063748.29	6604590.73
217	5	603.2	1669.3	1007014.62	363904.87	2786658.03
218	8	150.9	495.9	74826.14	22769.82	245893.54
219	9	117.9	426.1	50226.53	13894.18	181565.52
220	(78/79-10)	93.6	378.1	35381.54	8755.99	142971.07
221	11	149.7	519.5	77786.64	22417.77	269909.15
222	12	283.5	782.8	221904.61	80356.23	612792.04
223	1	540.7	1235.9	668168.96	292305.19	1527341.19
224	2	659.9	1716.8	1132952.19	435507.28	2947323.13
225	3	1197.4	2245.8	2689229.55	1433844.63	5043751.22
226	4	1246.7	2296.7	2863254.39	1554153.18	5275043.55
227	5	372.3	1139.2	424089.76	138587.55	1297750.97
228	6	226.9	728.4	165263.04	51472.24	530613.59
229	7	185.5	589.5	109353.17	34407.59	347542.96
230	8	152.0	506.3	76943.14	23094.97	256343.58
231	9	123.0	444.5	54677.95	15132.18	197570.96
232	(79/80-10)	107.3	403.3	43259.02	11503.84	162671.13
233	11	155.9	495.5	77260.79	24308.01	245566.34
234	12	437.8	985.9	431631.90	191675.99	971984.57
235	1	496.1	1784.1	885143.65	246156.84	3182845.85
236	2	526.7	1698.3	894446.54	277386.05	2884191.97
237	3	661.9	1920.9	1271354.08	438068.44	3689700.20
238	4	600.3	1596.7	958571.77	360415.84	2549443.50
239	5	321.9	1046.5	336884.36	103623.44	1095225.89
240	6	195.3	672.1	131281.02	38159.23	451652.37
241	7	158.4	543.9	86142.33	25088.16	295777.05
242	8	132.6	470.3	62347.64	17571.23	221226.85
243	9	115.0	412.8	47478.84	13230.36	170383.81
244	(80/81-10)	106.4	361.1	38432.12	11325.80	130412.72
245	11	126.6	403.9	51116.66	16019.85	163104.70
246	12	206.9	541.1	111955.19	42815.73	292742.08
247	1	291.4	674.2	196465.38	84911.13	454576.97
248	2	471.7	1043.2	492064.74	222502.96	1088199.92
249	3	952.1	1702.4	1620794.88	906401.93	2898246.30
250	4	796.2	1975.2	1572566.23	633871.60	3901365.16

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
251	6	179.2	649.6	116389.78	32103.24	421969.27
252	(81/82-10)	87.0	328.8	28597.37	7562.81	108135.62
253	11	89.4	332.1	29681.51	7987.61	110294.83
254	12	135.3	412.2	55749.39	18294.36	169888.16
255	7	112.1	452.4	50721.20	12567.71	204702.32
256	8	96.7	364.1	35208.20	9352.04	132550.44
257	9	82.8	322.7	26722.39	6856.62	104145.54
258	(82/83-10)	81.3	310.2	25205.13	6603.81	96201.78
259	11	102.4	378.9	38803.91	10486.60	143587.34
260	12	238.2	698.2	166337.09	56754.97	487499.61
261	1	238.4	782.6	186566.04	56833.61	612434.95
262	2	344.1	1045.8	359914.70	118435.13	1093751.48
263	3	353.2	1056.6	373166.57	124726.85	1116466.00
264	4	409.7	1042.6	427172.26	167872.03	1086995.50
265	5	195.7	714.9	139881.19	38281.44	511128.79
266	6	137.0	520.1	71266.09	18778.33	270463.70
267	7	119.9	446.4	53528.77	14375.82	199315.90
268	8	105.6	350.5	37024.40	11161.05	122820.58
269	9	89.9	298.8	26853.96	8076.34	89289.91
270	(83/84-10)	91.4	280.5	25635.43	8351.25	78691.89
271	11	135.9	301.6	40992.96	18469.78	90982.25
272	12	134.8	353.4	47642.81	18176.21	124879.58
273	1	200.4	591.4	118501.23	40150.85	349744.55
274	2	230.3	1182.7	272427.49	53056.82	1398816.00
275	3	273.4	1445.1	395150.79	74765.57	2088449.98
276	4	204.4	1034.6	211440.68	41768.71	1070350.50
277	6	88.8	390.0	34653.04	7893.64	152126.68
278	7	82.5	327.7	27018.09	6798.14	107379.05
279	8	73.2	286.4	20950.98	5352.45	82008.04
280	9	62.4	301.9	18832.63	3892.04	91126.46
281	(84/85-10)	59.5	294.0	17480.34	3535.94	86416.10
282	11	71.5	325.9	23300.13	5112.54	106139.13
283	12	136.6	411.7	56225.87	18649.01	169518.30
284	1	197.0	550.8	108505.75	38802.47	303421.38
285	2	391.3	887.6	347335.22	153142.62	787773.88
286	3	391.2	1296.6	507277.49	153076.47	1631058.15
287	4	496.4	1455.4	722481.75	246426.42	2118197.73
288	5	184.4	816.9	150621.67	33997.78	667304.91
289	6	118.8	490.0	58226.58	14119.94	240109.67
290	7	106.5	380.5	40521.31	11342.42	144764.21
291	8	91.4	322.1	29427.53	8344.85	103774.14
292	9	74.9	284.6	21303.62	5602.84	81002.49
293	(85/86-10)	63.3	259.1	16406.39	4010.25	67120.51
294	11	69.3	270.6	18758.80	4806.87	73206.15
295	12	90.4	298.8	27015.52	8173.20	89296.53
296	1	149.8	416.0	62301.96	22430.79	173044.37
297	2	363.7	809.9	294598.17	132295.67	656016.06
298	3	604.2	1316.2	795265.22	365080.81	1732347.35
299	4	521.9	1782.9	930555.10	272400.77	3178892.58
300	5	226.7	851.1	192962.56	51401.37	724388.28

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²	
301	7	117.2	385.0	45110.02	13727.69	148234.28	
302	8	103.1	334.9	34529.43	10632.17	112139.08	
303	9	80.6	296.0	23855.48	6495.68	87609.54	
304	(86/87-10)	88.2	307.5	27118.79	7779.13	94538.69	
305	11	160.1	445.5	71342.25	25641.39	198496.16	
306	12	201.0	663.1	133315.84	40417.76	439735.25	
307	1	260.7	839.8	218973.17	67987.19	705268.86	
308	5	168.5	677.6	114193.63	28400.23	459157.81	
309	(87/88-1)	183.4	478.0	87655.38	33635.04	228436.34	
310	2	369.6	955.4	353096.19	136586.66	912804.50	
311	3	582.6	1405.4	818765.53	339413.21	1975105.82	
312	4	463.9	1396.1	647592.83	215161.74	1949121.91	
313	5	165.2	810.6	133933.55	27298.22	657119.55	
314	6	121.9	506.5	61755.50	14868.28	256501.79	
315	7	106.4	396.5	42177.67	11317.01	157193.04	
316	(88/89-10)	64.2	278.6	17872.31	4116.06	77603.26	
317	11	85.4	331.1	28294.14	7301.31	109645.81	
318	12	106.7	421.9	45000.48	11375.59	178016.61	
319	1	220.1	689.8	151838.29	48458.54	475764.76	
320	2	414.3	1135.3	470380.40	171668.56	1298865.72	
321	8	84.8	403.9	34266.03	7199.25	163094.90	
322	9	67.9	345.1	23439.51	4614.42	119063.79	
T O T A L		89604	265559	123654434	51601772	329020881	
Y = a + b*X						a=	305.50621
X = a' + b'*Y		(a'=-a/b, b'=1/b)				b=	1.86582
						a'=	-163.73815
						b'=	0.53596
						Corelation Coefficient c=	0.91863

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORRELATION BETWEEN STATIONS X and Y

X: NO.04 2-030 LUKULU

Y: NO.05 2-250 KALABO

(DISCHARGE UNIT : m³/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	260.1	12.7	3302.43	67644.73	161.23
2	11	280.9	10.2	2868.07	78896.42	104.26
3	12	349.4	10.7	3722.05	122096.21	113.47
4	1	587.2	15.3	8988.21	344798.27	234.30
5	2	1097.0	88.1	96672.29	1203343.44	7766.31
6	3	2124.4	194.7	413630.49	4512973.40	37910.74
7	4	1790.5	108.3	193887.99	3205788.01	11726.46
8	5	905.9	79.1	71683.62	820588.45	6262.02
9	6	587.7	61.8	36344.62	345335.95	3825.06
10	7	430.2	46.4	19962.41	185048.12	2153.48
11	8	326.9	30.3	9898.69	106830.96	917.19
12	9	234.7	18.9	4443.08	55091.61	358.33
13	(60/61-10)	205.7	12.7	2605.64	42323.40	160.42
14	11	252.8	10.5	2666.55	63909.40	111.26
15	12	375.4	9.8	3662.82	140953.72	95.18
16	1	563.4	13.4	7534.13	317459.58	178.80
17	2	1041.9	16.0	16700.66	1085559.10	256.93
18	3	2122.1	120.6	255949.61	4503196.04	14547.49
19	4	2294.6	207.7	476665.43	5265156.55	43153.50
20	5	1290.1	124.4	160548.77	1664356.35	15487.01
21	6	735.8	85.4	62812.67	541466.63	7286.57
22	7	521.5	58.9	30730.06	271977.21	3472.12
23	8	426.5	33.5	14300.56	181890.83	1124.33
24	9	360.0	19.1	6864.40	129590.99	363.61
25	(61/62-10)	324.1	12.3	3995.19	105051.65	151.94
26	11	368.4	10.4	3827.56	135724.15	107.94
27	12	629.7	14.2	8930.10	396558.78	201.10
28	1	1222.3	21.5	26320.51	1493995.72	463.70
29	2	1800.3	150.8	271417.51	3241134.43	22728.91
30	3	2294.0	350.6	804214.47	5262219.71	122906.48
31	4	2243.8	248.9	558439.04	5034691.20	61941.07
32	5	1430.6	128.8	184247.21	2046650.84	16586.63
33	6	859.9	81.9	70459.75	739501.72	6713.41
34	7	588.7	54.0	31813.25	346575.43	2920.24
35	8	479.3	31.0	14869.69	229725.15	962.49
36	9	404.5	19.4	7827.35	163628.27	374.43
37	(62/63-10)	366.4	12.6	4619.44	134223.90	158.98
38	11	391.9	10.4	4066.94	153597.40	107.68
39	12	828.0	20.3	16810.19	685567.00	412.19
40	1	1722.7	358.4	617417.87	2967851.40	128444.72
41	2	2182.1	381.6	832753.58	4761620.00	145639.20
42	3	2465.0	659.0	1624467.23	6076328.91	434290.80
43	4	1900.6	303.0	575899.39	3612234.19	91815.78
44	5	1064.7	115.5	122973.53	1133523.23	13341.14
45	6	693.0	72.5	50229.20	480218.20	5253.80
46	7	552.6	45.0	24872.78	305321.13	2026.25
47	8	469.1	28.9	13567.69	220009.00	836.70
48	9	404.2	20.6	8310.13	163414.92	422.59
49	(63/64-10)	369.6	15.8	5821.39	136598.77	248.09
50	11	455.4	17.0	7750.16	207407.81	289.60

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
51	12	782.4	47.6	37278.17	612178.80	2270.03
52	1	1060.4	73.3	77694.88	1124527.48	5368.03
53	2	1554.3	128.2	199217.75	2415749.03	16428.74
54	3	1655.5	113.1	187216.52	2740718.71	12788.63
55	4	1279.8	74.4	95238.34	1637769.23	5538.23
56	5	707.5	52.1	36875.76	500547.88	2716.67
57	6	527.3	35.4	18667.90	278053.03	1253.32
58	7	443.0	24.6	10889.14	196267.07	604.14
59	8	393.2	18.7	7350.65	154612.41	349.47
60	9	353.4	14.7	5178.90	124885.03	214.77
61	(64/65-10)	317.0	10.8	3427.38	100487.33	116.90
62	11	355.3	9.3	3302.51	126245.44	86.39
63	12	460.6	9.9	4572.18	212143.70	98.54
64	1	927.6	15.3	14222.37	860390.72	235.10
65	2	1654.3	69.8	115433.57	2736713.86	4868.94
66	3	1810.3	87.3	158034.00	3277100.27	7620.99
67	4	1354.8	88.0	119223.19	1835514.44	7743.97
68	5	769.3	73.9	56860.72	591844.41	5462.82
69	6	528.3	58.0	30667.08	279099.93	3369.65
70	7	434.3	37.6	16330.85	188609.87	1414.01
71	8	376.8	23.5	8851.67	141985.01	551.83
72	9	337.8	15.9	5354.82	114135.36	251.23
73	(65/66-10)	319.8	11.0	3522.17	102262.35	121.31
74	11	322.4	9.5	3068.55	103922.90	90.61
75	12	477.4	11.5	5468.76	227877.34	131.24
76	1	646.3	15.7	10136.71	417748.19	245.97
77	2	1046.0	56.7	59342.44	1094116.68	3218.60
78	3	1958.7	439.7	861183.04	3836689.48	193301.08
79	4	1697.0	221.1	375247.12	2879914.81	48893.95
80	5	925.4	112.8	104408.82	856439.86	12728.51
81	6	572.6	80.6	46146.33	327877.62	6494.75
82	7	457.8	54.4	24918.00	209617.66	2962.09
83	8	392.0	32.8	12866.03	153648.04	1077.36
84	9	348.7	20.9	7285.77	121625.77	436.44
85	(66/67-10)	313.3	15.4	4837.89	98129.15	238.51
86	11	331.4	13.3	4396.47	109803.66	176.03
87	12	367.1	13.0	4786.48	134743.79	170.03
88	1	503.5	17.3	8735.55	253554.43	300.96
89	2	993.6	40.7	40468.89	987147.54	1659.05
90	3	1608.2	88.3	141967.79	2586198.57	7793.24
91	4	1886.5	106.5	201001.20	3558716.50	11352.82
92	5	1150.6	106.3	122293.87	1323803.82	11297.59
93	6	667.4	83.6	55802.10	445411.88	6991.00
94	7	461.1	60.2	27754.94	212590.06	3623.58
95	8	380.8	39.4	15013.16	145042.45	1553.99
96	9	344.2	23.3	8002.94	118469.91	540.62
97	(67/68- 2)	2229.6	310.5	692273.55	4971249.70	96402.85
98	3	2236.8	308.0	688942.12	5003243.92	94866.70
99	4	1816.2	253.2	459889.57	3298515.77	64119.27
100	5	1126.9	131.6	148306.94	1269841.16	17321.02

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
101	6	714.6	84.3	60263.29	510686.13	7111.34
102	7	510.5	58.7	29969.48	260567.43	3446.98
103	8	414.0	34.8	14421.64	171437.09	1213.18
104	9	393.5	22.8	8985.37	154855.83	521.37
105	(68/69-10)	372.8	15.5	5761.99	139009.73	238.84
106	11	400.6	12.5	4994.85	160451.11	155.49
107	12	655.0	16.2	10589.53	428991.47	261.40
108	1	1110.9	25.9	28736.71	1234200.16	669.10
109	2	2097.2	166.5	349170.23	4398390.20	27719.20
110	3	2604.2	523.0	1361948.42	6781659.09	273517.66
111	4	2495.6	486.4	1213834.81	6227998.67	236575.99
112	5	1260.4	199.7	251701.49	1588506.28	39882.52
113	6	782.2	91.6	71614.34	611887.77	8381.62
114	7	613.9	61.1	37527.31	376881.30	3736.72
115	8	518.2	35.1	18201.95	268533.27	1233.78
116	9	446.5	21.4	9559.22	199351.91	458.38
117	(69/70-10)	438.8	16.3	7141.50	192531.21	264.90
118	11	515.7	25.5	13148.43	265996.92	649.94
119	12	791.4	57.5	45527.38	626237.51	3309.83
120	1	1371.5	209.0	286648.33	1880876.76	43685.62
121	2	2214.9	383.5	849395.58	4905966.03	147060.30
122	4	1356.5	124.5	168933.31	1840169.97	15508.60
123	5	850.0	77.7	66026.08	722428.27	6034.43
124	6	604.2	53.6	32415.25	365075.38	2878.17
125	7	495.3	33.4	16544.75	245279.33	1115.99
126	8	435.5	22.0	9594.61	189673.73	485.34
127	9	378.8	14.8	5605.71	143482.16	219.01
128	(70/71-10)	358.2	10.4	3740.91	128284.71	109.09
129	11	392.0	9.1	3567.21	153685.03	82.80
130	12	589.5	10.2	6032.72	347551.81	104.71
131	1	996.4	30.1	30040.02	992798.67	908.95
132	2	1700.4	74.4	126593.12	2891458.02	5542.47
133	3	1862.4	99.3	184941.56	3468474.55	9861.22
134	4	1218.0	77.4	94241.39	1483630.79	5986.29
135	5	885.5	59.1	52308.00	784130.27	3489.32
136	6	586.1	40.5	23753.77	343466.73	1642.78
137	7	481.5	23.3	11201.59	231812.53	541.28
138	8	420.3	13.5	5687.17	176688.16	183.06
139	9	374.4	9.0	3354.10	140204.93	80.24
140	(71/72-10)	340.2	6.2	2106.51	115724.39	38.34
141	11	375.6	5.1	1913.50	141108.74	25.95
142	12	454.0	5.1	2309.52	206127.65	25.88
143	1	638.1	8.4	5389.07	407116.94	71.34
144	2	664.5	29.9	19884.25	441507.03	895.53
145	3	1015.9	78.0	79256.71	1032075.61	6086.40
146	4	1251.6	192.4	240768.52	1566617.78	37002.95
147	5	945.3	83.8	79214.48	893545.11	7022.51
148	6	559.7	59.2	33112.45	313210.94	3500.63
149	7	426.7	40.9	17449.94	182094.10	1672.21
150	8	366.5	22.5	8246.02	134318.87	506.23

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
151	9	323.5	12.5	4058.48	104650.93	157.39
152	(72/73-10)	313.6	7.9	2464.18	98364.78	61.73
153	11	336.1	5.5	1859.00	112949.77	30.60
154	12	385.2	5.6	2143.34	148382.30	30.96
155	1	587.8	4.4	2586.10	345509.26	19.36
156	2	731.8	5.0	3669.25	535579.97	25.14
157	3	1159.4	17.3	20047.74	1344254.04	298.98
158	4	1064.4	35.6	37914.38	1132861.74	1268.91
159	5	673.0	24.7	16615.67	452948.41	609.52
160	6	430.7	17.3	7432.79	185537.05	297.76
161	7	359.5	13.1	4720.17	129248.16	172.38
162	8	313.9	9.6	3022.27	98526.04	92.71
163	9	277.5	6.1	1693.75	76999.68	37.26
164	(73/74-10)	261.7	4.0	1055.78	68492.80	16.27
165	11	298.8	3.7	1117.30	89257.24	13.99
166	12	379.4	4.7	1792.13	143923.90	22.32
167	1	671.1	43.0	28854.30	450389.36	1848.56
168	2	1289.2	252.2	325071.13	1661943.94	63582.91
169	3	1327.1	174.0	230889.77	1761298.84	30267.49
170	4	1478.9	192.8	285075.83	2187093.05	37158.10
171	5	899.1	87.8	78952.79	808383.05	7711.13
172	6	532.0	72.1	38371.04	283038.47	5201.90
173	7	408.3	49.0	20002.02	166726.83	2399.62
174	8	344.6	22.0	7574.70	118722.47	483.28
175	9	309.2	12.2	3771.51	95613.02	148.77
176	(74/75-10)	291.1	7.3	2125.18	84720.96	53.31
177	11	347.6	5.3	1837.62	120838.91	27.95
178	12	554.3	6.0	3319.61	307302.83	35.86
179	1	1456.6	43.8	63734.45	2121546.00	1914.68
180	2	1731.7	223.4	386856.05	2998768.23	49906.36
181	3	2124.4	462.5	982571.03	4512863.60	213931.98
182	4	1819.7	330.1	600664.18	3311301.52	108959.41
183	5	1056.9	127.6	134887.01	1117128.18	16286.86
184	6	692.6	74.9	51898.60	479731.99	5614.52
185	7	542.0	41.1	22285.76	293729.82	1690.86
186	8	458.8	22.1	10123.26	210509.49	486.82
187	9	401.2	13.2	5291.89	160995.06	173.94
188	(75/76-11)	362.3	5.1	1854.65	131288.28	26.20
189	12	464.2	4.9	2272.80	215458.28	23.98
190	1	659.4	9.2	6039.12	434872.32	83.87
191	2	1398.1	165.5	231395.14	1954679.86	27392.57
192	3	2216.6	516.0	1143685.80	4913307.58	266219.28
193	4	2290.1	416.3	953411.68	5244664.86	173317.81
194	5	1537.5	171.5	263762.68	2364013.45	29429.08
195	6	859.4	84.5	72636.22	738527.13	7143.98
196	7	553.3	52.4	29006.30	306144.32	2748.26
197	8	434.9	30.1	13076.26	189165.90	903.91
198	9	387.6	17.5	6783.81	150199.95	306.39
199	(76/77-10)	434.8	11.2	4874.07	189044.29	125.67
200	11	433.6	7.5	3247.06	188032.86	56.07

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
201	12	549.7	9.3	5121.94	302137.74	86.83
202	1	800.1	13.2	10584.04	640192.35	174.98
203	2	1397.4	41.4	57795.13	1952639.30	1710.65
204	3	1700.3	154.3	262423.63	2891125.69	23819.84
205	4	1863.9	105.6	196789.41	3474299.76	11146.44
206	7	542.5	45.9	24904.77	294327.91	2107.33
207	8	458.0	30.0	13729.78	209721.84	898.84
208	9	392.4	15.3	6008.93	153941.52	234.55
209	(77/78-10)	365.0	8.2	3006.87	133227.46	67.86
210	11	352.0	5.6	1966.85	123877.09	31.23
211	12	526.2	9.4	4948.45	276872.32	88.44
212	1	914.8	22.1	20185.87	836810.17	486.93
213	2	1175.2	264.3	310656.41	1381185.81	69872.86
214	3	1997.6	542.9	1084450.62	3990344.43	294719.71
215	4	2569.9	447.7	1150435.06	6604590.73	200391.04
216	5	1669.3	204.5	341336.24	2786658.03	41810.09
217	8	495.9	33.6	16682.45	245893.54	1131.81
218	9	426.1	18.8	7996.27	181565.52	352.16
219	(78/79-10)	378.1	12.4	4696.99	142971.07	154.31
220	11	519.5	12.3	6391.11	269909.15	151.33
221	12	782.8	15.4	12064.58	612792.04	237.53
222	1	1235.9	28.9	35709.01	1527341.19	834.87
223	2	1716.8	126.9	217805.50	2947323.13	16095.70
224	3	2245.8	174.5	391980.77	5043751.22	30463.22
225	4	2296.7	289.8	665633.11	5275043.55	83993.13
226	5	1139.2	108.8	123992.61	1297750.97	11846.78
227	6	728.4	69.0	50269.92	530613.59	4762.53
228	7	589.5	42.6	25141.64	347542.96	1818.77
229	8	506.3	23.3	11818.45	256343.58	544.88
230	9	444.5	14.8	6595.84	197570.96	220.20
231	(79/80-10)	403.3	9.8	3943.77	162671.13	95.61
232	11	495.5	11.3	5577.63	245566.34	126.69
233	12	985.9	21.4	21144.14	971984.57	459.96
234	1	1784.1	73.3	130691.13	3182845.85	5366.32
235	2	1698.3	139.7	237322.58	2884191.97	19527.83
236	3	1920.9	301.2	578524.46	3689700.20	90709.42
237	4	1596.7	159.4	254577.72	2549443.50	25421.16
238	5	1046.5	80.6	84337.51	1095225.89	6494.38
239	6	672.1	53.6	35995.94	451652.37	2868.82
240	7	543.9	33.2	18041.67	295777.05	1100.50
241	9	412.8	11.8	4868.34	170383.81	139.10
242	(80/81-10)	361.1	8.8	3178.21	130412.72	77.45
243	11	403.9	7.6	3086.91	163104.70	58.42
244	12	541.1	8.1	4384.73	292742.08	65.67
245	1	674.2	17.3	11690.35	454576.97	300.64
246	2	1043.2	68.4	71321.13	1088199.92	4674.42
247	3	1702.4	352.9	600743.01	2898246.30	124520.88
248	4	1975.2	213.1	420996.20	3901365.16	45429.69
249	6	649.6	71.0	46092.84	421969.27	5034.85
250	7	492.7	45.5	22432.46	242744.40	2073.03

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
251	8	418.0	28.7	11993.33	174752.72	823.11
252	9	368.1	19.2	7077.45	135468.72	369.76
253	(81/82-10)	328.8	13.9	4575.62	108135.62	193.61
254	11	332.1	11.3	3758.76	110294.83	128.10
255	12	412.2	10.8	4442.94	169888.16	116.19
256	9	322.7	19.6	6339.53	104145.54	385.90
257	(82/83-10)	310.2	13.9	4310.81	96201.78	193.17
258	11	378.9	12.8	4850.71	143587.34	163.87
259	12	698.2	18.6	12966.97	487499.61	344.91
260	2	1045.8	115.5	120813.24	1093751.48	13344.75
261	3	1056.6	81.2	85832.67	1116466.00	6598.72
262	4	1042.6	61.9	64531.62	1086995.50	3831.05
263	5	714.9	46.6	33320.51	511128.79	2172.17
264	6	520.1	34.0	17701.89	270463.70	1158.59
265	8	350.5	26.0	9117.30	122820.58	676.80
266	9	298.8	17.6	5265.07	89289.91	310.46
267	(83/84-10)	280.5	12.9	3604.97	78691.89	165.15
268	11	301.6	11.4	3444.68	90982.25	130.42
269	12	353.4	11.4	4015.55	124879.58	129.12
270	1	591.4	11.4	6735.36	349744.55	129.71
271	2	1182.7	39.4	46644.04	1398816.00	1555.36
272	3	1445.1	79.4	114765.71	2088449.98	6306.67
273	4	1034.6	83.5	86387.83	1070350.50	6972.35
274	6	390.0	51.6	20115.01	152126.68	2659.71
275	7	327.7	37.7	12356.93	107379.05	1422.01
276	8	286.4	25.0	7146.99	82008.04	622.86
277	9	301.9	16.7	5044.04	91126.46	279.20
278	(84/85-10)	294.0	12.4	3635.66	86416.10	152.96
279	11	325.9	3.4	1116.61	106189.18	11.74
280	12	411.7	13.2	5442.74	169518.30	174.75
281	1	550.8	18.6	10239.40	303421.38	345.54
282	2	887.6	100.9	89546.48	787773.88	10178.77
283	3	1296.6	125.5	162694.27	1681058.15	15745.69
284	4	1455.4	92.9	135262.86	2118197.73	8637.55
285	5	816.9	82.2	67116.03	667304.91	6750.38
286	6	490.0	68.3	33461.57	240109.67	4663.19
287	7	380.5	53.1	20207.28	144764.21	2820.68
288	8	322.1	30.4	9780.55	103774.14	921.80
289	9	284.6	10.3	2918.68	81002.49	105.17
290	(85/86-10)	259.1	13.6	3533.85	67120.51	186.05
291	11	270.6	10.7	2908.16	73206.15	115.53
292	12	298.8	9.6	2859.49	89296.58	91.57
293	1	416.0	10.2	4243.66	173044.87	104.07
294	2	809.9	14.0	11307.32	656016.06	194.90
295	3	1316.2	53.8	70778.40	1732347.35	2891.79
296	4	1782.9	194.4	346662.10	3178892.58	37803.92
297	5	851.1	95.0	80880.00	724388.28	9030.48
298	7	385.0	46.9	18072.01	148234.28	2203.25
299	8	334.9	28.9	9674.62	112139.08	834.66
300	9	296.0	18.9	5599.99	87609.54	357.95

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²	
301	(86/87-10)	307.5	14.6	4476.61	94538.69	211.98	
302	11	445.5	13.8	6148.12	198496.16	190.43	
303	12	663.1	17.6	11647.64	439735.25	308.52	
304	1	839.8	27.0	22680.04	705268.86	729.35	
305	5	677.6	62.8	42565.94	459157.81	3946.05	
306	6	482.2	46.0	22195.82	232481.31	2119.11	
307	7	401.2	31.9	12817.27	160942.85	1020.75	
308	8	348.7	22.4	7807.75	121590.05	501.36	
309	9	304.2	15.8	4797.09	92555.88	248.63	
310	(87/88- 2)	955.4	26.0	24866.49	912804.50	677.41	
311	3	1405.4	125.9	176907.22	1975105.82	15845.31	
312	4	1396.1	281.9	393495.07	1949121.91	79440.06	
313	5	810.6	96.9	78530.83	657119.55	9385.04	
314	6	506.5	76.4	38694.53	256501.79	5837.25	
315	7	396.5	54.6	21628.41	157193.04	2975.88	
316	(88/89-10)	278.6	14.6	4074.31	77603.26	213.91	
317	11	331.1	12.3	4088.81	109645.81	152.48	
318	1	689.8	110.5	76250.54	475764.76	12220.63	
319	2	1135.3	641.1	727840.22	1288865.72	411021.39	
320	8	403.9	41.5	16766.40	163094.90	1723.61	
321	9	345.1	23.8	8205.44	119063.79	565.49	
T O T A L		262688	24480	36435750	323248810	5694751	
Y = a + b*X						a =	-47.70457
X = a' + b'*Y		(a' = -a/b, b' = 1/b)				b =	0.15148
						a' =	314.91408
						b' =	6.60134
		Correlation Coefficient				c =	0.80568

<<< MASTER PROGRAM FOR DB-7:REGRESSION CURVE >>>

MONTHLY DISCHARGE CORRELATION BETWEEN STATIONS X and Y

X: NO.04 2-030 LUKULU

Y: NO.06 2-400 SENANGA

(DISCHARGE UNIT : m³/s)

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
1	(59/60-10)	260.1	315.8	82128.66	67644.73	99713.85
2	11	280.9	320.7	90083.80	78896.42	102857.52
3	12	349.4	415.5	145199.07	122096.21	172673.41
4	1	587.2	642.6	377310.06	344798.27	412887.46
5	2	1097.0	915.6	1004434.77	1203343.44	838405.04
6	3	2124.4	1863.6	3959066.33	4512973.40	3473143.93
7	4	1790.5	2374.1	4250835.54	3205788.01	5636555.72
8	5	905.9	1783.9	1615963.56	820588.45	3182275.17
9	6	587.7	1331.7	782578.17	345335.95	1773428.41
10	7	430.2	806.8	347084.10	185048.12	651005.62
11	8	326.9	525.0	171605.50	106830.96	275654.61
12	9	234.7	408.8	95962.71	55091.61	167155.06
13	(60/61-10)	205.7	334.7	68848.75	42323.40	111998.33
14	11	252.8	344.4	87077.51	63909.40	118644.40
15	12	375.4	436.3	163821.38	140953.72	190399.00
16	1	563.4	626.8	353147.64	317459.58	392847.67
17	2	1041.9	951.1	990963.49	1085559.10	904610.94
18	3	2122.1	1738.5	3689210.36	4503196.04	3022358.56
19	4	2294.6	2648.2	6076561.87	5265156.55	7013011.64
20	5	1290.1	2171.2	2801058.49	1664356.35	4714091.80
21	6	735.8	1598.3	1176079.33	541466.63	2554474.28
22	7	521.5	1080.0	563229.33	271977.21	1166374.51
23	8	426.5	680.2	290099.04	181890.83	462681.11
24	9	360.0	474.6	170862.12	129590.99	225276.97
25	(61/62-10)	324.1	391.3	126823.23	105051.65	153106.89
26	11	368.4	414.5	152719.84	135724.15	171843.77
27	12	629.7	610.1	384177.50	396558.78	372182.78
28	1	1222.3	983.3	1201910.99	1493995.72	966930.51
29	2	1800.3	1729.7	3114080.88	3241134.43	2992007.88
30	3	2294.0	2483.0	5695799.55	5262219.71	6165104.15
31	4	2243.8	2704.3	6067922.52	5034691.20	7313196.02
32	5	1430.6	2239.6	3204017.93	2046650.84	5015868.23
33	6	859.9	1609.9	1384423.08	739501.72	2591782.02
34	7	588.7	1095.4	644878.57	346575.43	1199936.13
35	8	479.3	747.5	358259.30	229725.15	558709.95
36	9	404.5	560.6	226774.41	163628.27	314289.41
37	(62/63-10)	366.4	446.2	163463.92	134223.90	199073.73
38	11	391.9	437.1	171320.13	153597.40	191087.79
39	12	828.0	701.3	580701.70	685567.00	491876.74
40	1	1722.7	1495.4	2576128.88	2967851.40	2236109.25
41	2	2182.1	2435.0	5313357.09	4761620.00	5929024.90
42	3	2465.0	3115.9	7680664.93	6076328.91	9708594.55
43	4	1900.6	2838.0	5393802.23	3612234.19	8054046.59
44	5	1064.7	2087.4	2222352.71	1133523.23	4357080.18
45	6	693.0	1424.7	987310.20	480218.20	2029871.87
46	7	552.6	978.4	540644.90	305321.13	957342.54
47	8	469.1	695.6	326264.36	220009.00	483836.71
48	9	404.2	536.7	216955.24	163414.92	288037.20
49	(63/64-10)	369.6	459.3	169760.86	136598.77	210973.69
50	11	455.4	539.1	245501.21	207407.81	290591.01

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
51	12	782.4	877.3	686431.69	612178.80	769690.93
52	1	1060.4	1173.7	1244640.44	1124527.48	1377582.90
53	2	1554.3	1506.6	2341736.83	2415749.03	2269992.17
54	3	1655.5	2043.2	3382510.76	2740718.71	4174590.77
55	4	1279.8	2023.0	2588926.80	1637769.23	4092482.54
56	5	707.5	1625.2	1149834.47	500547.88	2641344.36
57	6	527.3	1038.4	547562.67	278053.03	1078301.07
58	7	443.0	676.6	299738.84	196267.07	457760.82
59	8	393.2	547.5	215292.49	154612.41	299787.42
60	9	353.4	463.0	163617.42	124885.03	214362.45
61	(64/65-10)	317.0	396.3	125611.61	100487.33	157017.56
62	11	355.3	431.2	153206.38	126245.44	185925.09
63	12	460.6	552.8	254621.90	212143.70	305605.64
64	1	927.6	819.9	760513.93	860390.72	672231.16
65	2	1654.3	1266.3	2094856.84	2736713.86	1603538.19
66	3	1810.3	2039.9	3692699.50	3277100.27	4161004.69
67	4	1354.8	2082.5	2821461.95	1835514.44	4337011.65
68	5	769.3	1655.2	1273366.78	591844.41	2739677.73
69	6	528.3	1095.9	578970.84	279099.93	1201029.45
70	7	434.3	688.6	299039.30	188609.87	474124.19
71	8	376.8	527.6	198822.53	141985.01	278412.47
72	9	337.8	447.4	151154.20	114135.36	200179.79
73	(65/66-10)	319.8	402.3	128641.29	102262.35	161824.77
74	11	322.4	385.6	124315.59	103922.90	148709.92
75	12	477.4	554.1	264495.14	227877.34	306997.09
76	1	646.3	758.4	490199.36	417748.19	575215.93
77	2	1046.0	1010.6	1057123.00	1094116.68	1021380.13
78	3	1958.7	1851.8	3627204.06	3836689.48	3429156.67
79	4	1697.0	2421.6	4109522.27	2879914.81	5864122.51
80	5	925.4	1833.0	1696288.71	856439.86	3359716.78
81	6	572.6	1276.9	731161.93	327877.62	1630479.57
82	7	457.8	798.7	365660.11	209617.66	637862.85
83	8	392.0	552.6	216615.07	153648.04	305386.84
84	9	348.7	458.1	159777.13	121625.77	209895.73
85	(66/67-10)	313.3	385.5	120748.49	98129.15	148581.73
86	11	331.4	379.7	125826.06	109803.66	144186.41
87	12	367.1	420.5	154368.93	134743.79	176852.42
88	1	503.5	567.8	285913.06	253554.43	322401.31
89	2	993.6	836.5	831116.42	987147.54	699747.98
90	3	1608.2	1285.8	2067772.06	2586198.57	1653268.76
91	4	1886.5	2111.0	3982251.60	3558716.50	4456193.07
92	5	1150.6	1915.5	2203882.82	1323803.82	3669047.79
93	6	667.4	1476.0	985053.37	445411.88	2178500.80
94	7	461.1	892.5	411514.36	212590.06	796575.64
95	8	380.8	551.2	209939.56	145042.45	303873.94
96	9	344.2	422.2	145315.51	118469.91	178244.40
97	(67/68-2)	2229.6	2440.4	5441284.18	4971249.70	5955760.69
98	3	2236.8	2438.1	5453610.21	5003243.92	5944516.16
99	4	1816.2	2589.4	4702893.06	3298515.77	6705198.54
100	5	1126.9	1949.6	2196959.59	1269841.16	3800972.59

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
101	6	714.6	1367.8	977459.31	510686.13	1870868.71
102	7	510.5	933.5	476519.70	260567.43	871448.22
103	8	414.0	648.8	268620.75	171437.09	420895.53
104	9	393.5	491.7	193480.47	154855.83	241738.98
105	(68/69-10)	372.8	398.8	148685.87	139009.73	159035.55
106	11	400.6	389.6	156075.78	160451.11	151819.76
107	12	655.0	605.8	396786.44	428991.47	366999.08
108	1	1110.9	920.0	1022119.30	1234200.16	846481.72
109	2	2097.2	1533.4	3215804.23	4398390.20	2351177.68
110	3	2604.2	2910.5	7579354.81	6781659.09	8470879.85
111	4	2495.6	3186.9	7953310.00	6227998.67	10156575.70
112	5	1260.4	2254.4	2841324.12	1588506.28	5082210.18
113	6	782.2	1544.2	1207940.37	611887.77	2384620.19
114	7	613.9	1079.3	662592.09	376881.30	1164898.02
115	8	518.2	755.6	391541.04	268533.27	570895.30
116	9	446.5	543.2	242544.18	199351.91	295094.63
117	(69/70-10)	438.8	481.5	211296.29	192531.21	231890.31
118	11	515.7	577.3	297744.36	265996.92	333280.95
119	12	791.4	757.4	599394.20	626237.51	573701.51
120	1	1371.5	1225.4	1680617.58	1880876.76	1501680.23
121	2	2214.9	2169.7	4805809.85	4905966.03	4707698.37
122	3	2270.7	2698.3	6126916.08	5155923.60	7280771.32
123	4	1356.5	2327.9	3157879.19	1840169.97	5419173.86
124	5	850.0	1645.4	1398490.02	722428.27	2707222.88
125	6	604.2	1147.2	693141.23	365075.38	1316015.23
126	7	495.3	763.6	378165.61	245279.33	583046.38
127	8	435.5	570.4	248429.23	189673.73	325385.51
128	9	378.8	462.9	175360.05	143482.16	214320.35
129	(70/71-10)	358.2	388.1	138990.15	128284.71	150588.97
130	11	392.0	409.6	160555.70	153685.03	167733.53
131	12	589.5	654.4	385793.45	347551.81	428242.88
132	1	996.4	901.0	897790.41	992798.67	811874.20
133	2	1700.4	1411.5	2400089.02	2891458.02	1992222.35
134	3	1862.4	2203.5	4103818.95	3468474.55	4855543.77
135	4	1218.0	2010.2	2448468.07	1483630.79	4040759.94
136	5	885.5	1539.2	1362939.28	784130.27	2368998.56
137	6	586.1	1127.2	660611.39	343466.73	1270595.87
138	7	481.5	687.5	331012.12	231812.53	472662.20
139	8	420.3	492.1	206859.22	176688.16	242182.26
140	9	374.4	410.1	153540.62	140204.93	168144.75
141	(71/72-11)	375.6	372.9	140060.83	141108.74	139020.70
142	12	454.0	464.8	211022.21	206127.65	216032.98
143	1	638.1	671.6	428528.49	407116.94	451066.15
144	2	664.5	860.8	571961.79	441507.03	740962.80
145	3	1015.9	976.2	991741.66	1032075.61	952983.99
146	4	1251.6	1473.8	1844734.21	1566617.78	2172223.72
147	5	945.3	1536.2	1452135.10	893545.11	2359921.54
148	6	559.7	1182.2	661604.73	313210.94	1397527.23
149	7	426.7	642.9	274361.07	182094.10	413379.66
150	8	366.5	454.2	166458.24	134318.87	206287.82

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
151	9	323.5	359.8	116406.23	104650.93	129481.98
152	(72/73-10)	313.6	320.8	100622.53	98364.78	102932.10
153	11	336.1	341.0	114612.57	112949.77	116299.86
154	12	385.2	386.1	148734.18	148382.30	149086.88
155	1	587.8	549.4	322959.71	345509.26	301881.85
156	2	731.8	761.4	557208.00	535579.97	579709.42
157	3	1159.4	991.4	1149490.82	1344254.04	982946.00
158	4	1064.4	1286.6	1369421.80	1132861.74	1655379.48
159	5	673.0	1210.3	814525.92	452948.41	1464741.80
160	6	430.7	697.9	300607.89	185537.05	487046.12
161	7	359.5	440.2	158242.08	129248.16	193740.13
162	8	313.9	356.7	111962.40	98526.04	127231.11
163	9	277.5	296.9	82375.07	76999.68	88125.73
164	(73/74-10)	261.7	266.6	69778.96	68492.80	71089.27
165	11	298.8	298.7	89233.72	89257.24	89210.20
166	12	379.4	387.5	147009.95	143923.90	150162.18
167	1	671.1	609.0	408711.08	450389.36	370889.64
168	2	1289.2	1158.5	1493458.78	1661943.94	1342054.37
169	3	1327.1	1781.0	2363600.07	1761298.84	3171866.78
170	4	1478.9	1800.1	2662154.70	2187093.05	3240405.18
171	5	899.1	1781.7	1601964.25	808383.05	3174595.84
172	6	532.0	1182.9	629292.57	283038.47	1399135.42
173	7	408.3	602.9	246166.61	166726.83	363456.82
174	8	344.6	429.8	148098.22	118722.47	184742.48
175	9	309.2	345.4	106799.95	95613.02	119295.78
176	(74/75-10)	291.1	284.1	82702.15	84720.96	80731.44
177	11	347.6	301.7	104893.34	120838.91	91051.91
178	12	554.3	457.0	253333.13	307302.83	208841.80
179	1	1456.6	859.8	1252406.35	2121546.00	739329.55
180	2	1731.7	1867.8	3234382.67	2998768.23	3488509.43
181	3	2124.4	2361.0	5015548.26	4512863.60	5574226.62
182	4	1819.7	2534.4	4611850.48	3311301.52	6423203.90
183	5	1056.9	1883.9	1991131.55	1117128.18	3548925.65
184	6	692.6	1273.7	882200.61	479731.99	1622318.15
185	7	542.0	788.4	427284.87	293729.82	621565.63
186	8	458.8	504.3	231381.32	210509.49	254322.57
187	9	401.2	388.9	156027.23	160995.06	151212.70
188	(75/76-11)	362.3	308.3	111717.51	131288.28	95064.10
189	12	464.2	389.7	180893.99	215458.28	151874.57
190	1	659.4	593.5	391374.22	434872.32	352227.02
191	2	1398.1	898.4	1256065.20	1954679.86	807139.74
192	3	2216.6	2184.5	4842170.51	4913307.58	4772063.39
193	4	2290.1	2502.0	5729952.93	5244664.86	6260144.63
194	5	1537.5	2314.7	3558927.56	2364013.45	5357822.89
195	6	859.4	1662.9	1429039.57	738527.13	2765171.41
196	7	553.3	1036.1	573285.45	306144.32	1073533.58
197	8	434.9	612.6	266426.01	189165.90	375241.10
198	9	387.6	441.9	171277.05	150199.95	195311.83
199	(76/77-10)	434.8	437.7	190321.64	189044.29	191607.61
200	11	433.6	463.5	200974.75	188032.86	214807.41

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
201	12	549.7	507.9	279155.15	302137.74	257920.77
202	1	800.1	714.5	571681.02	640192.35	510501.56
203	2	1397.4	1008.3	1408981.84	1952639.30	1016690.49
204	3	1700.3	1693.3	2879214.07	2891125.69	2867351.53
205	4	1863.9	2014.4	3754675.88	3474299.76	4057678.38
206	7	542.5	807.5	438110.55	294327.91	652132.70
207	8	458.0	493.9	226189.24	209721.84	243949.66
208	9	392.4	420.8	165114.19	153941.52	177097.74
209	(77/78-10)	365.0	360.5	131581.05	133227.46	129954.99
210	11	352.0	337.2	118680.41	123877.09	113701.72
211	12	526.2	462.4	243282.82	276872.32	213768.32
212	1	914.8	766.2	700917.15	836810.17	587092.35
213	2	1175.2	1173.8	1379523.68	1381185.81	1377863.55
214	3	1997.6	2059.4	4113827.14	3990344.43	4241131.07
215	4	2569.9	2816.2	7237414.25	6604590.73	7930872.19
216	5	1669.3	2486.9	4151472.94	2786658.03	6184730.00
217	8	495.9	593.9	294486.37	245893.54	352682.00
218	9	426.1	438.7	186932.05	181565.52	192457.20
219	(78/79-10)	378.1	372.4	140794.69	142971.07	138651.44
220	12	782.8	700.4	548303.27	612792.04	490601.14
221	1	1235.9	985.7	1218194.63	1527341.19	971621.91
222	2	1716.8	1458.1	2503312.28	2947323.13	2126191.15
223	3	2245.8	2149.0	4826191.09	5043751.22	4618015.32
224	4	2296.7	2654.3	6096305.86	5275043.55	7045429.05
225	5	1139.2	2158.2	2458590.95	1297750.97	4657803.84
226	6	728.4	1388.3	1011283.14	530613.59	1927379.17
227	9	444.5	470.3	209057.86	197570.96	221212.63
228	(79/80-10)	403.3	382.1	154092.69	162671.13	145966.63
229	11	495.5	452.9	224413.46	245566.34	205082.68
230	12	985.9	713.7	703582.67	971984.57	509296.74
231	1	1784.1	1214.6	2166862.71	3182845.85	1475187.37
232	5	1046.5	1874.7	1961883.52	1095225.89	3514331.60
233	6	672.1	1241.9	834613.12	451652.37	1542290.27
234	7	543.9	750.9	408371.79	295777.05	563828.45
235	8	470.3	563.6	265097.63	221226.85	317668.28
236	9	412.8	427.7	176561.27	170383.81	182962.70
237	(80/81-10)	361.1	354.3	127947.48	130412.72	125528.84
238	11	403.9	386.8	156197.03	163104.70	149581.91
239	12	541.1	528.9	286179.64	292742.08	279764.32
240	1	674.2	711.5	479684.76	454576.97	506179.33
241	2	1043.2	909.9	949179.08	1088199.92	827918.57
242	3	1702.4	1677.5	2855776.07	2898246.30	2813928.20
243	4	1975.2	2240.2	4424768.89	3901365.16	5018391.99
244	7	492.7	715.2	352369.42	242744.40	511501.84
245	8	418.0	496.0	207341.03	174752.72	246006.49
246	9	368.1	391.2	143995.45	135468.72	153058.86
247	(81/82-10)	328.8	326.8	107468.54	108135.62	106805.57
248	11	332.1	317.7	105523.98	110294.83	100959.49
249	12	412.2	408.4	168324.07	169888.16	166774.38
250	7	452.4	530.8	240144.75	204702.32	281723.73

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X^2	Y^2
251	(82/83-10)	310.2	305.3	94689.20	96201.78	93200.41
252	12	698.2	583.2	407198.49	487499.61	340124.61
253	1	782.6	775.6	606990.74	612434.95	601594.93
254	2	1045.8	930.9	973541.69	1093751.48	866543.67
255	3	1056.6	1170.9	1237213.33	1116466.00	1371019.65
256	4	1042.6	1204.9	1256230.15	1086995.50	1451812.99
257	5	714.9	1110.0	793565.62	511128.79	1232069.90
258	6	520.1	702.8	365485.50	270463.70	493891.22
259	7	446.4	457.8	204402.31	199315.90	209618.52
260	8	350.5	377.6	132343.06	122820.58	142603.84
261	9	298.8	319.9	95585.90	89289.91	102325.82
262	(83/84-10)	280.5	277.4	77821.43	78691.89	76960.59
263	11	301.6	311.3	93896.72	90982.25	96904.54
264	12	353.4	386.1	136454.91	124879.58	149103.19
265	1	591.4	571.2	337826.31	349744.55	326314.21
266	2	1182.7	852.6	1008356.77	1398816.00	726888.57
267	3	1445.1	1417.8	2048899.55	2088449.98	2010098.11
268	4	1034.6	1603.8	1659261.95	1070350.50	2572195.01
269	6	390.0	703.6	274431.50	152126.68	495065.33
270	7	327.7	437.0	143209.62	107379.05	190996.22
271	8	286.4	352.8	101025.60	82008.04	124453.30
272	9	301.9	302.3	91256.08	91126.46	91385.88
273	(84/85-11)	325.9	365.8	119198.44	106189.18	133801.46
274	12	411.7	466.2	191955.23	169518.30	217361.83
275	1	550.8	603.0	332139.17	303421.38	363574.99
276	2	887.6	841.0	746468.34	787773.88	707328.59
277	3	1296.6	1210.5	1569419.45	1681058.15	1465194.65
278	4	1455.4	1641.0	2388289.88	2118197.73	2692821.58
279	5	816.9	1648.1	1346283.67	667304.91	2716119.27
280	6	490.0	1091.4	534798.21	240109.67	1191160.37
281	7	380.5	569.2	216562.78	144764.21	323971.23
282	8	322.1	416.4	134126.27	103774.14	173355.88
283	(85/86-10)	259.1	286.7	74283.28	67120.51	82210.44
284	11	270.6	293.7	79457.21	73206.15	86242.05
285	12	298.8	330.6	98800.74	89296.58	109316.46
286	1	416.0	456.5	189888.99	173044.87	208372.70
287	2	809.9	689.5	558476.25	656016.06	475439.16
288	3	1316.2	1035.5	1362894.52	1732347.35	1072233.85
289	4	1782.9	1855.6	3308438.02	3178892.58	3443262.67
290	5	851.1	1689.7	1438105.41	724388.28	2855025.72
291	7	385.0	560.7	215860.27	148234.28	314337.93
292	8	334.9	417.1	139672.31	112139.08	173965.72
293	9	296.0	342.3	101311.70	87609.54	117156.86
294	(86/87-10)	307.5	332.5	102240.62	94538.69	110570.01
295	11	445.5	465.2	207272.52	198496.16	216436.91
296	12	663.1	690.5	457902.19	439735.25	476819.67
297	1	839.8	889.7	747142.25	705268.86	791501.74
298	5	677.6	1431.2	969793.86	459157.81	2048315.66
299	6	482.2	873.2	421022.72	232481.31	762470.45
300	7	401.2	537.1	215488.89	160942.85	288521.43

NO	YEAR-MONTH	ST:X	ST:Y	X*Y	X ²	Y ²
301	8	348.7	424.8	148126.62	121590.05	180454.69
302	9	304.2	346.9	105537.55	92555.88	120339.99
303	(87/88- 2)	955.4	771.2	736783.78	912804.50	594706.02
304	3	1405.4	1182.2	1661407.64	1975105.82	1397532.89
305	4	1396.1	1872.4	2614078.74	1949121.91	3505890.32
306	5	810.6	1638.2	1327953.01	657119.55	2683620.06
307	6	506.5	1095.6	554852.70	256501.79	1200231.42
308	7	396.5	588.3	233227.75	157193.04	346040.65
309	(88/89-10)	278.6	307.3	85616.44	77603.26	94457.05
310	11	331.1	350.9	116204.02	109645.81	123154.49
311	12	421.9	437.7	184655.57	178016.61	191542.14
312	1	689.8	665.0	458702.09	475764.76	442251.35
313	2	1135.3	1349.9	1532483.29	1288865.72	1822148.72
314	8	403.9	569.2	229866.23	163094.90	323973.85
315	9	345.1	430.9	148673.57	119063.79	185646.96
TOTAL		258431	315070	371115585	318870454	465115161
Y = a + b*X					a=	135.44777
X = a' + b'*Y		(a'=-a/b, b'=1/b)			b=	1.05407
					a'=	-128.49982
					b'=	0.94870
		Corelation Coefficient			c=	0.88971