Daily Mean Water Level an	id Flow at 1HA04 on Kibo	os River (unit: H=m, Q=r	nB's) ** denotes esti	mated value by interpo
1989 H Q	1990 H Q	1991 H Q	1992 II Q	1993 H Q
1-Jan 0.20 0.59	1-Jan 0.43 3.62	1-Jan 0.32 1.72	1-Jan 0.24 0.84	1-Jan 0.27 1.12
2-Jan 0.19 0.54	2-Jan 0.56 5.70 3-Jan 0.61 6.61	2-Jan 0.36 2.32 3-Jan 0.46 4.05	2-Jan 0.26 1.02 3-Jan 0.27 1.12	2-Jan 0.27 1.12 3-Jan 0.27 1.12
3-Jan 0.20 0.59 4-Jan 0.23 0.76	3-Jan 0.61 6.61 4-Jan 0.50 4.68	4-Jan 0.47 4.20	4-Jan 0.25 0.93	4-Jan 0.27 1.12
5-Jan 0.26 1.02	5-Jan 0.57 5.87	5-Jan 0.34 2.01	5-Jan 0.25 0.93	5-Jan 0.27 1.12
6-Jan 0.23 0.76	6-Jan 0.76 9.68	6-Jan 0.29 1.35	6-Jan 0.25 0.93	6-Jan 0.26 1.02
7-Jan 0.21 0.65	7-Jan 0.67 7.78	7-Jan 0.29 1.35	7-Jan 0.24 0.84	7-Jan 0.27 1.12
8-Jan 0.21 0.65	8-Jan 0.60 6.42	8-Jan 0.31 1.59	8-Jan 0.24 0.84 9-Jan 0.25 0.93	8-Jan 0.36 2.32 9-Jan 0.29 1.35
9-Jan 0.20 0.59 10-Jan 0.19 0.54	9-Jan 0.51 4.84 10-Jan 0.49 4.52	9-Jan 0.30 1.46 10-Jan 0.30 1.46	10-Jan 0.25 0.93	10-Jan 0.28 1.23
11-Jan 0.19 0.54	11-Jan 0.48 4.36	11-Jan 0.27 1.12	11-Jan 0.25 0.93	11-Jan 0.29 1.35
12-Jan 0.19 0.54	12-Jan 0.44 3.75	12-Jan 0.30 1.46	12-Jan 0.35 2.16	12-Jan 0.30 1.46
13-Jan 0.22 0.70	13-Jan 0,41 3.21	13-Jan 0.26 1.02	13-Jan 0.30 1.46	13-Jan 0.30 1.46
14-Jan 0.25 0.93	14 Jan 0.40 3.02	14-Jan 0.26 1.02	14-Jan 0.30 1.46	14-Jan 0.30 1.46 15-Jan 0.30 1.46
15-Jan 0.25 0.93 16-Jan 0.25 0.93	15-Jan 0.40 3.02 16-Jan 0.39 2.83	15-Jan 0.26 1.02 16-Jan 0.26 1.02	15-Jan 0.27 1.12 16-Jan 0.25 0.93	16-Jan 0.30 1.46
17-Jan 0.24 0.84	17-Jan 0.37 2.48	17-Jan 0.25 0.93	17-Jan 0.24 0.84	17-Jan 0.33 1.86
18-Jan 0.24 0.84	18-Jan 0.37 2.48	18-Jan 0.24 0.84	18-Jan 0.25 0.93	18-Jan 0.30 1.46
19-Jan 0.24 0.84	19-Jan 0.37 2.48	19-Jan 0.23 0.76	19-Jan 0.24 0.84	19-Jan 0.32 1.72
20-Jan 0.24 0.84	20-Jan 0.36 2.32	20-Jan 0.23 0.76	20-Jan 0.24 0.84 21-Jan 0.23 0.76	20-Jan 0.40 3.02 21-Jan 0.30 1.46
21-Jan 0.24 0.84 22-Jan 0.24 0.84	21-Jan 0.35 2.16 22-Jan 0.35 2.16	21-Jan 0.23 0.76 22-Jan 0.23 0.76	21-Jan 0.23 0.76 22-Jan 0.23 0.76	22-Jan 0.31 1.59
23-Jan 0.24 0.84	23-Jan 0.34 2.01	23-Jan 0.23 0.76	23-Jan 0.23 0.76	23-Jan 0.30 1.46
24-Jan 0.24 0.84	24-Jan 0.34 2.01	24-Jan 0.23 0.76	24-Jan 0.23 0.76	24-Jan 0.27 1.12
25-Jan 0.24 0.84	25-Jan 0.34 2.01	25-Jan 0.22 0.70	25-Jan 0.22 0.70	25-Jan 0.30 1.46
26-Jan 0.24 0.84	26-Jan 0.34 2.01	26-Jan 0.23 0.76	26-Jan 0.22 0.70	26-Jan 0.30 1.46 27-Jan 0.38 2.65
27-Jan 0.24 0.84 28-Jan 0.25 0.93	27-Jan 0.32 1.72 28-Jan 0.34 2.01	27-Jan 0.27 1.12 28-Jan 0.27 1.12	27-Jan 0.21 0.65 28-Jan 0.21 0.65	28-Jan 0.34 2.01
29-Jan 0.24 0.84	29-Jan 0.30 1.46	29-Jan 0.24 0.84	29-Jan 0.21 0.65	29-Jan 0.31 1.59
30-Jan 0.37 2.48	30-Jan 0.30 1.46	30-Jan 0.26 1.02	30-Jan 0.21 0.65	30-Jan 0.33 1.86
31-Jan 0.27 1.12	31-Jan 0.33 1.86	31-Jan 0.29 1.35	31-Jan 0.21 0.65	31-Jan 0.29 1.35
1-Feb 0.24 0.84	1-Feb 0.30 1.46	1-Feb 0.28 1.23	1-Feb 0.26 1.02	1-Feb 0.27 1.12 2-Feb 0.28 1.23
2-Feb 0.24 0.84 3-Feb 0.24 0.84	2-Feb 0.30 1.46 3-Feb 0.30 1.46	2-Feb 0.24 0.84 3-Feb 0.25 0.93	2-Feb 0.24 0.84 3-Feb 0.24 0.84	2-Feb 0.28 1.23 3-Feb 0.29 1.35
4-Fcb 0.24 0.84	4-Feb 0.31 1.59	4-Fcb 0.24 0.84	4-Feb 0.24 0.84	4-Feb 0.29 1.35
5-Feb 0.28 1.23	5-Feb 0.35 2.16	5-Feb 0.24 0.84	5-Feb 0.24 0.84	5-Feb 0.30 1.46
6-Fcb 0.69 8.19	6-Feb 0.39 2.83	6-Feb 0.24 0.84	6-Feb 0.24 0.84	6-Feb 0.32 1.72
7-Feb 0.38 2.65	7-Feb 0.36 2.32	7-Fcb 0.24 0.84	7-Feb 0.26 1.02	7-Feb 0.35 2.16 8-Feb 0.30 1.46
8-Feb 0.32 1.72 9-Feb 0.32 1.72	8-Feb 0.31 1.59 9-Feb 0.32 1.72	8-Fcb 0.24 0.84 9-Feb 0.23 0.76	8-Feb 0.26 1.02 9-Feb 0.26 1.02	8-Fcb 0.30 1.46 9-Feb 0.30 1.46
10-Feb 0.47 4.20	10-Feb 0.33 1.86	10-Feb 0.27 1.12	10-Feb 0.29 1.35	10-Feb 0.30 1.46
11-Feb 0.38 2.65	11-Feb 0.30 1.46	11-Feb 0.27 1.12	11-Feb 0.24 0.84	11-Fcb 0.46 4.05
12-Feb 0.32 1.72	12-Feb 0.30 1.46	12-Fcb 0.23 0.76	12-Feb 0.24 0.84	12-Feb 0.40 3.02
13-Feb 0.30 1.46	13-Feb 0.30 1.46	13-Feb 0.24 0.84	13-Feb 0.30 1.46	13-Feb 0.37 2.48 14-Feb 0.34 2.01
14-Fcb 0.28 1.23 15-Feb 0.28 1.23	14-Feb 0.31 1.59 15-Feb 0.30 1.46	14-Feb 0.24 0.84 15-Feb 0.24 0.84	14-Feb 0.39 2.83 15-Feb 0.39 2.83	14-Feb 0.34 2.01 15-Feb 0.30 1.46
15-Feb 0.28 1.23 16-Feb 0.28 1.23	15-Feb 0.30 1.46 16-Feb 0.30 1.46	16-Feb 0.24 0.84	16-Feb 0.24 0.84	16-Feb 0.30 1.46
17-Feb 0.28 1.23		17-Feb 0.24 0.84	1251 035 603	17-Feb 0.30 1.46
18-Feb 0.26 1.02		18-Feb 0.21 0.65		18-Feb 0.30 1.46
19-Feb 0.26 1.02		19-Feb 0.22 0.70		19-Feb 0.30 1.46 20-Feb 0.29 1.35
20-Feb 0.25 0.93 21-Feb 0.25 0.93	and the second s	20-Feb 0.22 0.70 21-Feb 0.24 0.84		21-Feb 0.29 1.35
22-Fcb 0.25 0.93		22-Feb 0.23 0.76		22-Feb 0.27 1.12
23-Feb 0.46 4.05		23-Feb 0.34 2.01	23-Feb 0.27 1.12	23-Feb 0.27 1.12
24-Feb 032 1.72		24-Feb 0.28 1.23		24-Feb 0.27 1.12
25-Feb 0.30 1.46		25-Feb 0.27 1.12		25-Feb 0.38 2.65 26-Feb 0.44 3.75
26-Feb 0.28 1.23 27-Feb 0.27 1.12		26-Feb 0.24 0.84 27-Feb 0.23 0.76		27-Feb 0.45 3.90
28-Feb 0.25 0.93		28-Feb 0.23 0.76		28-Feb 0.44 3.75
1-Mar 0.24 0.84	1-Mar 0.52 5.01	1-Mar 0.22 0.70	1-Mar 0.23 0.76	1-Mar 0.35 2.16
2-Mar 0.25 0.93				2-Mar 0.33 1.86
3-Mar 0.25 0.93				3-Mar 0.32 1.72 4-Mar 0.31 1.59
4-Mar 0.24 0.84 5-Mar 0.24 0.84				5-Mar 0.30 1.46
6-Mar 0.24 0.84				6-Mar 0.29 1.35
7-Mar 0.24 0.84		· ·	7-Mar 0.23 0.76	7-Mar 0.30 1.46
8-Mar 0.24 0.84	8-Mar 0.47 4.20	8 Mar 0.21 0.65	8-Mar 0.23 0.76	
9-Mar 0.23 0.76				
10-Mar 0.24 0.84		. 10-Mar 0.21 0.65 - 11-Mar 0.39 2.83		
11-Mar 0.24 0.84 12-Mar 0.23 0.76				12-Mar 0.27 1.12
13-Mar 0.25 0.70	· ·			
14-Mar 0.26 1.0		14-Mar 0.36 2.3	2 14-Mar 0.18: 0.50	14-Mar 0.26 1.02
15-Mar 0.29 1.35				
16-Mar 0.25 0.9.				
17-Mar 0.24 0.8- 18-Mar 0.34 2.0				
18-Mar 0.34 2.0	i 10-14181 0102 0190			10,110
		- 11		
				4

Daily Mean									-					
1989 19-Mar	11 0.34	Q 2.01	1990 19-Mar	11 0.73	Q 9.03	1991 19-Mar	H 0.23	Q 0.76	1992 19-Mar	11 0.26	Q 1.02	1993 19-Mar	11 0.27	Q 1.12
20-Mar	0.37	2.48	20-Mar		5.35		0.23	0.76		0.25	0.93		0.27	1.12
21-Mar	0.30	1.46	21-Mar	0.52	5.01	21-Mar	0.23	0.76	21-Mar	0.21	0.65	21-Mar	0.27	1.12
22-Mar	0.30	1.46	22-Mar		5.01		0.23	0.76	4.4	0.21	0.65			1.02
23-Mar 24-Mar	0.32	1.72 1.46	23-Mar 24-Mar		4.52 3.90	23-Mar 24-Mar	0.22	0.70 0.76	2 .	0.20 0.21	0.59 0.65		0.28 0.34	1.23 2.01
25-Mar	0.31	1.59	25-Mar		3.90	25-Mar	0.36	2.32	25-Mar	0.21	0.65	25-Mar	0.27	1.12
26-Mar	0.35	2.16	26-Mar	0.45	3.90	26-Mar	0.32	1.72	26-Mar	0.20	0.59	26-Mar	0.26	1.02
27-Mar	0.34	2.01	27-Mar		3.62	27-Mar	0.34	2.01	27-Mar	0.20	0.59	27-Mar	0.26	1.02
28-Mar 29-Mar	0.41	3.75 7.78	28-Mar 29-Mar	0.44 0.44	3.75 3.75	28-Mar 29-Mar	0.34 0.25	2.01 0.93	28-Mar 29-Mar	0.20 0.20	0.59 0.59	28-Mar 29-Mar	0.26 0.26	1.02 1.02
30-Mar	0.52	5.01	30-Mar	0.45	3.90	30-Mar	0.52	5.01	30-Mar	0.23	0.76	30-Mar	0.25	0.93
31-Mar	0.70	8.39	31-Mar	0.55	5.52	31-Mar	0.34	2.01	31-Mar	0.24	0.84	31-Mar	0.25	0.93
l-Apr	0.47	4.20	I-Apr	0.58	6.05	1-Apr	0.33	1.86	1-Apr	0.26	1.02	1-Apr	0.24	0.84
2-Apr 3-Apr	0.40	3.02 3.21	2-Apr 3-Apr	0.50 0.60	4.68 6,42	2-Apr 3-Apr	0.31	1.59	2-Apr 3-Apr	0.22 0.23	0.70 0.76	2-Apr 3-Apr	0.24 0.24	0.84 0.84
4-Apr	0.38	2.65	4-Apr	0.56	5.70	4-Apr	0.33		4-Apr	0.23	0.76	4-Apr	0.24	0.84
5-Apr	0.40	3.02	5-Apr	0.58	6.05	S-Apr	0.42	3.41	5-Apr	0.26	1.02	5-Apr	0.24	0.84
6-Apr	0.44	3.75	6-Apr	0.76	9.68	6-Apr	0.60	6.42	6-Apr	0.31	1.59	6-Apr	0.23	0.76
7-Apr 8-Apr	0.59	6.24 5.18	7-Apr 8-Apr	0.64 0.61	7.18 6.61	7-Apr 8-Apr	0.63	6.99 5.70	7-Apr 8-Apr	0.37 0.40	2.48 3.02	7-Apr 8-Apr	0.23	0.76 0.70
9-Apr	0.59	6.24	9-Apr	0.59	6 24	9-Apr	0.38	2.65	9-Apr	0.46	4,05	9-Apr	0.21	0.65
10-Apr	0.79		10-Apr	0.58	6.05	10-Apr	0.37	2.48	10-Apr	0.44	3.75	10-Apr	0.21	0.65
11-Apr	0.70	8.39	11-Apr	0.62	6.80	11-Apr	0.38	2.65	11-Apr	0.34	2.01	11-Арг	0.22	0.70
12-Apr 13-Apr	0.62 0.58	6.80 6.05	12-Apr 13-Apr	0.62 0.58	6.80 6.05	12-Apr 13-Apr	0.47	4.20 3.02	12-Apr 13-Apr	0.29 0.26	1.35 1.02	12-Apr 13-Apr	0.22	0.70 0.70
14-Apr	0.52	5.01	14-Apr	0.53	5.18	14-Apr	0.41	3.21	14-Apr	0.24	0.84	14-Apr	0.23	0.76
15-Apr	0.45	3.90	15-Apr	0.67	7.78	15-Apr	0.36	2.32	15 Apr	0.23	0.76	15-Apr	0.23	0.76
16-Apr	0.47	4.20	16-Apr	0.66	7.58	16-Apr		2.01	16-Apr	0.23	0.76	16-Apr	0.23	0.76
17-Apr 18-Apr	0.43	3.62 3.41	17-Apr 18-Apr	0.58 0.55	6.05 5.52	17-Apr 18-Apr	0.34	2.01 1.86	17-Apr 18-Apr	0.22	0.70 0.65	17-Apr 18-Apr	0.23 0.23	0.76 <b>0</b> .76
19-Apr	0.40	3.02	19-Apr	0.52	5.01	19-Apr	0.30	1.46	19-Apr	0.22	0.70	19-Apr	0.23	0.76
20-Apr	0.37	2.48	20-Apr	0.52	5.01	20-Apr	0.30	1.46	20-Apr	0.21	0.65	20 Apr	0.23	0.76
21-Apr 22-Apr	0.41	3.21	21-Apr	0.50	4.68	21-Apr	0.37	2.48	21-Apr	0.29	1.35	21-Apr	0.23	0.76
23-Apr	0.35	2.16 4.84	22-Apr 23-Apr	0.56 0.50	5.70 4.68	22-Apr 23-Apr		1.46 1.35	22-Apr 23-Apr	0.37 0.34	2.48 2.01	22-Apr 23-Apr	0,24 0.24	0.84 0.84
24-Apr	0.41	3.21	24-Apr	0.43	3.62	24-Apr		1.46	24-Apr	0.34	2.01	24-Apr	0.25	0.93
25-Apr	0.43	3.62	25-Apr	0.49	4.52	25-Apr	0.31	1.59	25-Apr	0.29	1.35	25-Apr	0.25	0.93
26-Apr 27-Apr	0.41	3.2L	26-Apr	0.53	5.18	26-Apr		2.01	26-Apr	0.32	1.72	26-Apr	0.25	0.93
28-Apr	0.39	2.48 2.83	27-Apr 28-Apr	0.53 0.53	5.18 5.18	27-Apr 28-Apr	0.30	1.46 3.75	27-Apr 28-Apr	0.34 0.59	2.01 6.24	27-Apr 28-Apr	0.34	2.01 1.86
29-Apr	0.47	4.20	29-Apr	0.54	5.35	29-Apr	0.42	3.41	29-Apr	0.59	6.24	29-Apr	0.27	1.12
30-Apr	0.57	5.87	30-Apr	0.50	4.68	30-Apr	0.38	2.65	30-Apr	0.53	5.18	30-Apr	0.27	1.12
1-May 2-May	0.45	3.90	I-May	0.46	4.05	1-May	0.37	2.48	1-May	0.48	4.36	1-May	0.27	1.12
3-May	0.44	3.75 3.21	2-May 3-May	0.45	3.90 5.18	2-May 3-May	0.37	2.48 2.48	2-May 3-May	0.56 0.57	5.70 5.87	2-May 3-May	0.31	1.59 1.35
4-May	0.39	2.83	4-May	0.48	4.36	4-May	0.36	2.32	4-May	0.59	6.24	4-May	0.32	1.72
5-May	0.38	2.65	5-May	0.51	4.84	5-May		1.86	5-May	0.53	5.18	5-May		2.16
6-May 7-May		2.65	6-May		4.36	6-May		1.46	6-May		4.05			1.46
8-May		2.16 3.90	7-May 8-May		3.90 3.41	7-May 8-May		1.46 2.16	7-May 8-May		2.83 3.21	7-May 8-May		
9-May		3.90	9-May	0.45	3.90	9-May		3.21	9-May		6.24	9-May		
10-May		5.52	10-May		4.20	10-May		2.01	10-May	0.53	5.18	10-May		
11-May 12-May		5.01 4.68	11-May		6.05	11-May		2.01	11-May		5.01	11-May		1.46
12-May		4.52	12-May 13-May		5.01 5.70	12-May 13-May		1.86 1.86	12-May 13-May		2.65 5.70	12-May 13-May		
14-May		9.03	14-May		5.35	14-May		2.16	14-May		3.62	14-May		
15-May		6.61	15-May		4.52	15-May		2.01	15-May		3.41	15-May		
16-May 17-May			16-May 17-May		4.05	16-May		2.16	16-May			16-May		
18-May			18-May		4.05 4.20	17-May 18-May		2.32	17-May 18-May			17-May 18-May		
19-May		4.84	19-May		4.52	19-May		1.86	19-May		4.36	19-May		
20-May			20-May		4.05	20-May		4.05	20-May		4.36	20-May		
21-May			21-May		3.90	21-May		2.32	21-May		3.02			
22-May 23-May			22-May 23-May			22-May 23-May		2.48 5.01	22-May 23-May		2.65			
24-May			24-May			23-May 24-May			24-May		2.83	-		
25-May	0.55	5.52	25-May	0.62	6.80	25-May	0.5\$	6.05	25-May	0.38	2.65			4.20
26-May			-			26-May			26-May					
27-May 28-May			•		10.58 5.87	27-May 28-May			27-May 28-May					
29-May			-			28-May 29-May			20 May			29-May		
30-May	0.52	5.01	30-May		4.84	30-May			30-May			-		
31-May			•		5.52	31-May			31-May			31-May		3.21
	0.49 0.46				5.01 5.52	i-Jun 2-Jun	0.40			0.37		1-Jun 2-Jun		
	0.52							3.41		0.34		2-Jun 3-Jun		
				-						-				

	Daily Mean	Water I	evel and	d Flow at 1	11A04	on Kibo	s River (u	nit: H=.	m. O⁻an	3/3) **	• • đen	otes estir	mated valu	e by ir	demo
	1989	H	Q	1990	H	Q	1991	H	Q	1992	H	Q	1993	H	Q
	4-Jun		4.52			5.18 4.52			3.02 3.21			2.4B 3.41		0.37 0.43	2.48 3.62
	5-Jun 6-Jun		3.62 4.52			4.05			3.41	_		3.62		0.49	4.52
	7-Jun		5.01	7-Jun	0.46	4.05			2.65			2.65		0.44	3.75
	8-Jun		4.05			4.52			2.32 2.16			1.72 2.01		0.62 0.50	6.80 4.68
	9-Jun 10-Jun	0.45 0.43	3.90 3.62			4.68 5.52			2.16			2.16		0.47	4.20
	10-Jun	0.40	3.02			6.24		0.37	2.48		0.34	2.01		0.42	3.41
	12-Jun	0.39	2.83			5.52		0.36	2.32			3.41		0.42	3.41
	13-Jun 14-Jun	0.42 0.45	3.41 3.90		0.48 0.49	4.36 4.52		0.36 0.34	2.32 2.01			2.83 2.32		0.56 0.56	5.70 5.70
	15-Jun		6.24		0.46	4.05		0.49	4.52	15-Jun	0.44	3.75		0.55	5.52
	16-Jun	0.72	8.81		0.44	3,75		0.37	2.48	16-Jun	0.45	3.90		0.53	5.18
	17-Jun	0.53	5.18	17-Jun		3.62 3.62		0.41	3.21 2.48	17-Jun 18-Jun	0.51 0.51	4.84 4.84		0.50 0.49	4.68 4.52
	18-Jun 19-Jun	0.48 0.46	4.36 4.05	18-Jun 19-Jun	0.43 0.43	3.62	19-Jun	0.37	2.48	19-Jun	0.44	3.75		0.55	5 52
	20-Jun	0.45	3.90	20-Jun	0.42	3.41		0.37	2.48	20-Jun	0.56	5.70		0.59	6.24
	21-Jun	0.44	3.75	21-Jun	0.43	3.62	21-Jun	0.35	2.16	21-Jun	0.46	4.05		0.49	4.52
	22-Jun 23-Jun	0.41 0.40	3.21 3.02	22-Jun 23-Jun	0.40 0.40	3.02 3.02	22-Jun 23-Jun	0.43	3.62 2.48	22-Jun 23-Jun	0.52 0.49	5.01 4.52		0.44	3.75 3.41
	24-Jun	0.40	3.02	24-Jun	0.40	3.02	24-Jun	0.37	2.48	24-Jun	0.47	4.20	24-Jun	0.50	4.68
	25-Jun	0.39	2.83	25-Jun	0.39	2.83	25-Jun	0.38	2.65	25-Jun	0.44	3.75	25-Jun	0.54	5.35
<b>L</b>	26-Jun 27-Jun	0.38 0.41	2.65 3.21	26-Jun 27-Jun	0.37 0.41	2.48 3.21	26-Jนก 27-Jนก	0.36 0.35	2.32 2.16	26-Jun 27-Jun	0.48 0.44	4.36 3.75	26-Jun 27-Jun	0.49	4.52 3.75
<b>B</b>	27-Jun 28-Jun	0.39	2.83	28-Jun	0.40	3,02	28-Jun	0.33	1.86	28-Jun	0.43	3.62	28-Jun	0.50	4.68
	29-Jun	0.38	2.65	29-Jun	0.39	2.83	29-Jun	0.34	2.01	29-Jun	0.40	3.02	29-Jun	0.44	3.75
	30-Jun	0.38	2.65	30-Jun	0.54	5.35	30-Jun	0.33	1.86 2.01	30-Jun 1-Jul	0.41 0.40	3.21 3.02	30-Jun 1-Jul	0.47	4.20 3.62
	1-Jul 2-Jul	0.37	2.48 2.83	1-Jul 2-Jul	0.44	3.75 2.83	1-Jul 2-Jul	0.34	1.59	1-Jul 2-Jul	0.40	3.41	2-Jul	0.43	3.62
	3-Jul	0.38	2.65	3-Jul	0.40	3.02	3-Jul	0.30	1.46	3-Jul	0.43	3.62	3-Jul	0.40	3.02
	4-Jul	0.37	2.48	4-Jul	0.42	3.41	4-Jul	0.32	1.72	4-Jul	0.41	3.21	4∙Jul 6 11	0.39	2.83
	5-Jul 6-Jul	0.40	3.02 2.32	5-Jul 6-Jul	0.41 0.40	3.21 3.02	5-Jul 6-Jul	0.30 0.34	1.46 2.01	5-Jul 6-Jul	0.40 0.36	3.02 2.32	5-Jul 6-Jul	0.41	3.21 2.48
	7-Jul	0.38	2.65	7-Jul	0.37	2.48	7-Jul	0.33	1.86	7-Jul	0.40	3.02	7-Jul	0.35	2.16
	8-Jul	0.41	3.21	8-Jul	0.36	2.32	8-Jul	0.34	2.01	8-Jul	0.36	2.32	8-Jul	0.35	2.16
	9-Jul	0.44	3.75	9-Jul	0.36	2.32	9-Jul 10-Jul	0.30	1.46 1.46	9-Ju <u>l</u> 10-Jul	0.35	2.16 3.21	9-Jul 10-Jul	0.35	2.16 2.65
	10-Jul 11-Jul	0.41	3.21 3.62	10-Jul 11-Jul	0.36	2.32 2.32	11-Jul	0.30	1.46	10-Jul	0.46	4.05	11-Jul	0.36	2.32
	12-Jul		2.48	12-Jul	0.35	2.16	12-Jul	0.30	1.46	12-Jul	0.41	3.21	12-Jul	0.35	2.16
	13-Jul	0.34	2.01	13-Jul	0.36	2.32	13-Jul	0.31	1.59	13-Jul	0.37	2.48	13-Jul	0.37	2.48
	14-Jul 15-Jul	0.33	1.86 2.16	14-Jul 15-Jul	0.36	2.32 2.48	14-Jul 15-Jul	0.32	1.72 1.59	14-Jul 15-Jul	0.36	2.32 2.32	14-Jul 15-Jul	0.42	3.41 2.65
	16-Jul		3.41	16-Jul	0.37	2.48	16-Jul	0.30	1.46	16-Jul	0.36	2.32	16-Jul	0.34	2.01
	17-Jul	0.40	3.02	17-Jul	0.38	2.65	17-Jul	0.30	1.46	17-Jul	0.37	2.48	17-Jul	0.34	2.01
	18-Jul		2.48	18-Jul 19-Jul	0.37	2.48 2.32	18-Jul 19-Jul	0.30	1.46 1.35	18-Jul 19-Jul	0.36	2.32 2.16	[8∙Jul 19•Jul	0.33	
	19-Jul 20-Jul		2.01 1.72	20-Jul	0.35	2.16	20-Jul	0.29	1.35	20-Jul	0.35	2.16	20-Jul	0.34	2.01
_	21-Jul			21-Jนใ				0.29			0.45		21-Jal	0.35	
D	22 <b>-J</b> ul			22-Jul			22-Jul			22-Jul 23-5al	0.40		22-Jul 23-Jul	0.34	
	23-Jน 24-Jul			23-Jul 24-Jul			23-Jul 24-Jul			24-Jul			24-Jul	0.34	
	25-Jul			25-Jul			25-Jul	0.27	1.12	25-รับเ	0.32		25-5นใ		
	26-Մա			26-Jul				0.27			0.35		26-Jul	0.32	
	27-Jul 28-Jul			27-Jul 28-Jul			27-Jul 28-Jul	0.27			0.43		27-Jul 28-Jul	0.30	
	29-Jul			29-Jul			29-Jul			29-Jul			29-Jul	0.30	
	30-Ju	0.31	1.59	30-Jul	0.33	1.86		0.27		30-Jul		1.86	30-Jul	0.30	
	31-Ju 1-Au			31-Jul 1-Aug	0.32		31-Jul 1-Aug		1.86	31-Jut 1-Aug			31-Jul 1-Aug		
	r-Aug 2-Aug	-		2-Aug			_		1.35	2-Aug			2-Aug		
	3-Aug	0.35	2.16	3-Aug	0.48	4.36	3-Aug	0.27	1.12	3-Aug			3-Aug		
	4-Auş	_		4-Aug			4-Aug 5-Aug			4-Aug 5-Aug		3.90 3.41	4-Aug 5-Aug		
	5-Au <sub>i</sub> 6-Au <sub>i</sub>	_		5-Aug 6-Aug			~	0.28		5-Aug		2.32	6-Aug		
	7-Au	_	2.48	_	0.34	2.01	7-Aug	0.21	1.12	7-Aug	0.34		7-Aug		
	B-Au	_	3.41	8-Aug			8-Aug	•	1.12	8-Aug		1.86	8-Aug 9-Aug		
	9-Au 10-Au		2 3.41 5 2.16				9-Aug 10-Aug		7 1.12 7 1.12	9-Aug 10-Aug					2 1.72
	10-Au 11-Au	~	5 2.16 5 2.16						1.12	_			-	0.3	2 1.72
	12-Au	_	3 1.86	12-Aug	0.35	2.16			8 1 23		-	6.61	12-Aug		
	13-Au	•							7 1.12 8 1.33	-	-	3.62 2.83			0 1.46 0 1.46
	14-Au 15-Au	~			-	) 1.35 ) 1.46		g 0.25 g 0.4		,	-	, 2.63 J 2.48	_		
	15-Au 16-Au	~						g 0.3		16-Au	g (0.36	2.32	16-Aug	0.3	2 1.72
	17-Au	_		17-Aug	0.3	5 2.16	17-Au	g 0.34	0 1.46	-		2.16			
		ig 0.4						g 0.3. g 0.4			-	5 2.16 4 2.01			
	19-Au	ıg 0.4	5 3.50	19-Au	g U.J.	4 2.01	17-A4	g U.4			5 0.3	. £.VI	12.116	, y.J	
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My Meno   Water   Level   1996   11	(N. N. N. F	. 181	)_4 Y		. I Diam at	111441	on Pik	on Dàna (c		A-	3 (a) B	1 P A	nataa act	im stad sed	as ku h	stama.
19-Aug   0.41   375   20-Aug   0.32   172   20-Aug   0.32   172   17-Aug   0.41   3.75   21-Aug   0.41   3.75   21-Aug   0.41   3.75   21-Aug   0.41   3.75   21-Aug   0.31   3.15   31-Aug   3.15   31-Aug   0.31   3.15   31-Aug	-															
12-Aug   0.43   362   12-Aug   0.31   1.59   12-Aug   0.32   2.65   12-Aug   0.34   2.61   2.2-Aug   0.31   2.65   2.2-Aug   2.65   2.				-			-			-						-
23.Aug   0.43   3.62   23.Aug   0.38   265   23.Aug   0.39   238   24.Aug   0.37   248   24.Aug   0.34   201     24.Aug   0.44   3.75   25.Aug   0.35   2.16   25.Aug   0.39   2.83   24.Aug   0.34   201     25.Aug   0.04   3.75   25.Aug   0.35   2.16   25.Aug   0.32   2.17   25.Aug   0.34   201     25.Aug   0.05   0.48   25.Aug   0.35   2.16   25.Aug   0.32   2.17   25.Aug   0.34   201     25.Aug   0.07   0.48   25.Aug   0.31   2.16   25.Aug   0.31   2.16   25.Aug   0.32   2.17   25.Aug   0.30   1.46     25.Aug   0.37   248   25.Aug   0.31   2.16   25.Aug   0.31   2.16   25.Aug   0.31   2.16     25.Aug   0.37   248   25.Aug   0.31   2.16   25.Aug   0.31   2.16   25.Aug   0.31   2.16     35.Aug   0.37   248   25.Aug   0.31   2.16   25.Aug   0.31   2.16   25.Aug   0.31   2.16     35.Aug   0.37   248   25.Aug   0.31   2.16   25.Aug   0.31   2.14   2.14   2.14   2.14   2.14   2.14   2.14   2.14   2.14   2.14	21-Aug				21-Aug			•			-			21-Aug	0.30	1.46
14-May   May   M	22-Aug	0.	.47	4.20	22-Aug	0.31	1.59	22-Aug	0.38	2.65				22-Aug	0.33	1.86
	23-Aug	0.	.43	3.62	•			-			-			-		
12-Aug         65 of         64 of         12-Aug         03 of         16         20-Aug         03 of         16         03-Aug         03 of         12-Aug         03 of         14-Aug         03	_				-			_			-			•		
22-Aug   0.76   9.68   27-Aug   0.30   1.46   27-Aug   0.31   201   27-Aug   0.32   1.72   27-Aug   0.30   1.45     29-Aug   0.37   2.48   29-Aug   0.32   1.72   29-Aug   0.30   1.46   29-Aug   0.38   2.65   29-Aug   0.30   1.46     30-Aug   0.65   1.58   30-Aug   0.31   1.63   0.34   0.31   1.69   0.34   0.30   1.46     31-Aug   0.65   1.58   30-Aug   0.33   1.66   0.34   0.30   0.34   0.	-				_			-			-			•		
18-Mag   0.62   6.80   28-Mag   0.34   2.01   28-Mag   0.30   1.46   28-Mag   0.32   1.72   28-Mag   0.37   2.48   30-Mag   0.30   1.46   30-Mag   0.34   2.01   30-Mag   0.30   1.46   30-Mag   0.34   1.49   31-Mag   0.37   2.48   31-Mag   0.30   1.46   30-Mag   0.34   2.01   32-Mag   0.30   1.46   31-Mag   0.39   2.38   31-Mag   0.30   1.46   31-Mag   0.39   2.38   31-Mag   0.30   1.46   31-Mag   0.39   2.48   31-Mag   0.30   1.46   31-Mag   0.30   3.46   31-Mag   0.39   3.48   31-Mag   0.30   1.46   31-Mag   0.30   3.46   31-Mag   0.39   3.48   31-Mag   0.30   3.48   31-Mag   0.30   3.48   31-Mag   0.30   3.48   3.	•				_			-						. •		
19-Aug. 037 248 19-Aug. 032 172 29-Aug. 030 146 29-Aug. 038 265 19-Aug. 037 248 13-Aug. 031 13-Aug. 037 248 13-Aug. 031 13-Aug	•				-			•						. •		1
	-				-			-								4
1.8cp   0.61   6.61   1.8cp   0.34   2.01   2.8cp   0.42   3.14   1.8cp   0.41   3.21   3.8cp   0.31   1.61     3.8cp   0.58   6.05   3.8cp   0.30   1.46   3.8cp   0.43   3.21   3.8cp   0.31   1.61     4.8cp   0.52   5.01   4.8cp   0.30   1.46   4.8cp   0.32   2.16     5.8cp   0.43   3.62   5.8cp   0.30   1.46   4.8cp   0.32   2.16     5.8cp   0.43   3.62   5.8cp   0.30   1.46   5.8cp   0.35   2.16   5.8cp   0.37   2.48   7.8cp   0.35   2.65     5.8cp   0.43   3.62   5.8cp   0.30   1.46   5.8cp   0.35   2.16   5.8cp   0.37   2.48   7.8cp   0.35   2.65     5.8cp   0.34   5.35   8.8cp   0.30   1.46   5.8cp   0.31   2.16   5.8cp   0.37   2.48   7.8cp   0.37   2.48   7.8cp   0.32   1.72     5.8cp   0.34   5.35   8.8cp   0.30   1.46   1.8cp   0.31   2.16   5.8cp   0.31   2.65   5.8cp   0.31   2.61   5.8cp   0.31   2.61   5.8cp   0.31   2.61   5.8cp   0.31   2.61   5.8cp   0.32   2.10   5.8cp   0.35   2.16   5.8cp   0.31   2.61   5.8cp   0.31   2.61   5.8cp   0.32   2.10   1.8cp   0.31   2.16   5.8cp   0.32   2.12   1.8cp   0.35   2.16   1.8cp   0.31   2.16   5.8cp   0.32   2.12   1.8cp   0.35   2.16   1.8cp   0.31   2.13   1.8cp   0.31   2.15   1.8cp   0.31   2.15   1.8cp   0.31   2.16   1.8cp   0.31   2.15   1.8cp					_			-						-		
Sep   0.57   581   2.85p   0.34   2.01   2.85p   0.44   3.75   2.85p   0.38   6.05   2.85p   0.31   1.59     Sep   0.58   6.05   3.85p   0.30   1.46   4.85p   0.39   2.85   4.85p   0.41   3.21     Sep   0.52   501   4.85p   0.30   1.46   4.85p   0.39   2.81     Sep   0.52   501   5.85p   0.30   1.46   6.85p   0.32   1.21     Sep   0.52   501   5.85p   0.30   1.46   6.85p   0.32   1.22     Sep   0.52   501   5.85p   0.30   1.46   6.85p   0.32   1.22     Sep   0.34   5.35   8.85p   0.30   1.46   8.85p   0.37   2.88   8.85p   0.04   5.27     Sep   0.35   5.01   5.85p   0.31   2.41   8.85p   0.37   2.48   8.85p   0.01   2.42     Sep   0.31   4.84   10.85p   0.31   1.46   8.85p   0.37   2.48   8.85p   0.04   5.27     Sep   0.35   5.01   5.85p   0.31   1.46   8.85p   0.37   2.48   8.85p   0.04   5.27     Sep   0.31   4.84   10.85p   0.31   1.46   18.85p   0.37   2.48   8.85p   0.04   5.27     Sep   0.31   4.84   10.85p   0.32   1.72   10.85p   0.35   2.05     Sep   0.31   4.84   10.85p   0.31   1.46   18.85p   0.37   2.48   18.85p   0.05   3.59   0.40   3.02     Sep   0.31   4.84   10.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.55   5.27   12.85p   0.45   3.00     Sep   0.31   4.84   10.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.55   5.27   12.85p   0.31   1.45     Sep   0.43   3.06   13.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.55   5.27   12.85p   0.31   1.45     Sep   0.43   3.01   13.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.55   5.27   12.85p   0.31   1.46     Sep   0.45   3.21   15.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.35   5.70   13.85p   0.31   1.46     Sep   0.45   3.21   15.85p   0.31   1.46   18.85p   0.32   1.72   12.85p   0.05   5.72   13.85p   0.31   1.48     Sep   0.45   3.21   15.85p   0.31   1.46   18.85p   0.32   1.45     Sep   0.45   3.21   15.85p   0.31   1.46   18.85p   0.32   1.45     Sep   0.41   3.21   15.85p   0.31   1.46   18.85p   0.32   1.45     Sep   0.41   3.21   15.85p   0.31   1.48   18.85p   0.32   1.45     Sep   0.41   3.	•			8.81	-									31-Aug	0.31	1.59
1-8cp   0.58   6.05   3-8cp   0.30   1.46   3-8cp   0.43   3.02   3-8cp   0.48   4.56   3.52   0.30   1.46   5-8cp   0.35   2.16   5-8cp   0.43   3.62   5-8cp   0.30   1.46   5-8cp   0.35   2.16   5-8cp   0.43   3.62   5-8cp   0.30   1.46   5-8cp   0.35   2.16   5-8cp   0.31   2.65   5-8cp   0.30   1.46   5-8cp   0.35   2.16   5-8cp   0.31   2.65   5-8cp   0.35   2.16   5-8cp   0.32   2.65   5-8cp   0.30   2.65   6-8cp   0.32   2.17   2-8cp   0.32   2.65   2-8cp   0.32   2.17   2-8cp   0.32   2.16   2-8cp   0.33   2.16   2-8cp   0.32   2-8cp   0.32   2.16   2-8cp   0.32   2.16   2-8cp   0.32   2-8cp   0.33   2-8cp   2-8cp   0.33	1-Sep	0	.61	6.61	1-Sec	0.35	2.16	1-Sep	0.42	3.41	1-Sep	0.41	3.21	1-Sep		
4.5cp   0.52   501   4.5cp   0.30   1.46   4.5cp   0.39   2.83   4.5cp   0.41   3.21   4.5cp   0.30   1.46   6.5cp   0.35   5.5cp   0.35   2.5cp   0.35   5.5cp   0.35	•				-			•			-	4.4		-		
SSEP   0.43   362   SSEP   0.30   1.46   SSEP   0.35   216   SSEP   0.38   265   SSEP   0.36   237   SSEP   0.35   501   SSEP   0.30   1.46   SSEP   0.33   1.85   SSEP   0.38   2.55   SSEP   0.35   2.50   SSEP   0.36   2.32   SSEP   0.35   SSEP   0.36   2.32   SSEP   0.35   SSEP   0.36   2.32   SSEP   0.37   2.48   SSEP   0.38   3.69   3.52   2.58   0.35   2.16   SSEP   0.35   2.16	-				_			-						-		
6-Sep   0.52   501	-				-			-			. •					
1.55p   0.52   5.01   7.5p   0.30   1.46   7.5p   0.31   1.85   7.5p   0.49   1.27   1.29   9.5p   0.52   5.01   9.5p   0.31   2.01   9.5p   0.35   2.16   9.5p   0.40   4.27   9.5p   0.40   4.27   1.29   9.5p   0.31   1.81   1.5p   0.32   2.16   9.5p   0.35   2.16   9.5p   0.40   4.27   1.25p   0.30   1.46   1.25p   0.35   2.16   9.5p   0.55   5.01   1.5p   0.33   1.86   1.25p   0.35   0.45   1.25p   0.35   0.35p   0.35p   0.35   0.25p   0.35p   0.3					•						-			-		
SSSp   0.54   5.35   SSSp   0.34   6.145   SSSp   0.37   248   SSSp   0.49   452   SSSp   0.31   1.72	•													•		
9.85p   0.52   5.01   9.85p   0.34   2.01   9.85p   0.35   2.16   9.85p   0.76   8.39   9.85p   0.40   3.02	-				-			-						-		
19.5cp   0.51	•				-						-					
12-85	•													•		1 1
13-Sep   0.48   3.62   13-Sep   0.31   1.65   13-Sep   0.32   1.72   13-Sep   0.65   5.70   13-Sep   0.30   1.46   14-Sep   0.45   13-Sep   0.45   13-Sep   0.31   1.59   15-Sep   0.32   1.72   15-Sep   0.50   4.68   15-Sep   0.27   1.12   16-Sep   0.31   1.59   15-Sep   0.32   1.72   15-Sep   0.50   4.68   15-Sep   0.27   1.12   16-Sep   0.31   1.59   15-Sep   0.32   1.72   15-Sep   0.66   4.68   15-Sep   0.27   1.12   18-Sep   0.46   3.21   17-Sep   0.41   3.21   17-Sep   0.31   1.59   17-Sep   0.32   1.21   15-Sep   0.46   4.55   17-Sep   0.46   4.59   18-Sep   0.40   4.40   15-Sep   0.30   1.46   19-Sep   0.27   1.12   19-Sep   0.42   4.11   19-Sep   0.30   1.46   19-Sep   0.42   4.11   19-Sep   0.30   1.46   12-Sep   0.45   4.59   1.59   1.32   1.59   1.45   1.25	•				•						-					
14-Sep   0.45   3.90   14-Sep   0.31   1.46   14-Sep   0.32   1.72   15-Sep   0.54   6.86   15-Sep   0.27   1.12   16-Sep   0.41   3.21   16-Sep   0.30   1.46   16-Sep   0.35   2.16   16-Sep   0.47   4.20   16-Sep   0.28   1.23   17-Sep   0.41   3.21   17-Sep   0.31   1.59   17-Sep   0.35   2.16   16-Sep   0.47   4.20   16-Sep   0.28   1.23   17-Sep   0.41   3.21   17-Sep   0.31   1.59   17-Sep   0.32   1.25   17-Sep   0.41   3.21   17-Sep   0.31   1.59   17-Sep   0.32   1.25   17-Sep   0.41   3.21   17-Sep   0.30   1.46   18-Sep   0.27   1.12   18-Sep   0.44   3.75   18-Sep   0.30   1.46   19-Sep   0.47   1.21   19-Sep   0.42   3.41   19-Sep   0.30   1.46   11-Sep   0.45   1.75   18-Sep   0.30   1.46   11-Sep   0.45   1.75   1.75   18-Sep   0.30   1.46   11-Sep   0.45   1.75   1.75   18-Sep   0.30   1.46   11-Sep   0.45   1.7	-				-									•		
15-Sep   0.45   3.90   15-Sep   0.31   1.59   15-Sep   0.32   1.72   15-Sep   0.30   4.68   15-Sep   0.72   1.12   17-Sep   0.41   3.21   17-Sep   0.31   1.59   17-Sep   0.28   1.23   17-Sep   0.46   4.05   17-Sep   0.28   1.23   17-Sep   0.46   4.05   17-Sep   0.28   1.23   17-Sep   0.45   4.05   17-Sep   0.28   1.23   17-Sep   0.42   4.14   19-Sep   0.01   1.46   18-Sep   0.75   1.12   18-Sep   0.45   4.14   19-Sep   0.01   1.46   18-Sep   0.75   1.12   18-Sep   0.35   1.46   18-Sep   0.37   1.48   21-Sep   0.36   1.62   1.25   1.2	-										_			•		
1-6-Sep   0.41   3.21   15-Sep   0.30   1.46   1.6-Sep   0.35   2.16   1.6-Sep   0.47   4.20   1.6-Sep   0.28   1.23   1.7-Sep   0.46   4.05   1.7-Sep   0.36   1.24   1.7-Sep   0.36   1.46   1.8-Sep   0.27   1.12   1.8-Sep   0.46   4.05   1.7-Sep   0.36   1.46   1.8-Sep   0.27   1.12   1.8-Sep   0.46   4.05   1.7-Sep   0.30   1.46   1.8-Sep   0.27   1.12   1.8-Sep   0.42   3.41   1.9-Sep   0.30   1.46   1.8-Sep   0.27   1.12   1.9-Sep   0.42   3.41   1.9-Sep   0.30   1.46   1.8-Sep   0.27   1.12   1.9-Sep   0.42   3.41   1.9-Sep   0.30   1.46   1.8-Sep   0.27   1.12   1.9-Sep   0.39   2.83   1.1-Sep   0.30   1.46   1.8-Sep   0.27   1.12   1.9-Sep   0.39   2.83   1.1-Sep   0.30   1.46   1.8-Sep   0.28   1.2-Sep   0.35   5.52   1.2-Sep   0.30   1.46   1.2-Sep   0.36   1.62   1.2-Sep   0.35   2.83   1.3-Sep   0.30   1.46   1.2-Sep   0.36   1.2-Sep   0.36   1.2-Sep   0.36   1.2-Sep   0.36   1.2-Sep   0.36   1.2-Sep   0.36   1.3-Sep   0.36   1.4-Sep   0.36   1.3-Sep   0.36   0.3-Sep   0.34   1.3-Sep   0.36   0.3-Sep   0.34   1.3-Sep   0.36   0.3-Sep   0.3	-				-						-			-		
17-Sep   0.41   3.21   17-Sep   0.31   159   17-Sep   0.28   123   17-Sep   0.46   4.05   17-Sep   0.30   1.46   18-Sep   0.27   1.12   18-Sep   0.44   3.75   18-Sep   0.30   1.46   19-Sep   0.27   1.12   19-Sep   0.44   3.75   18-Sep   0.30   1.46   19-Sep   0.27   1.12   19-Sep   0.44   3.05   29-Sep   0.30   1.46   19-Sep   0.27   1.12   19-Sep   0.40   3.02   29-Sep   0.30   1.46   12-Sep   0.66   1.02   21-Sep   0.30   28.3   21-Sep   0.30   1.46   12-Sep   0.55   5.52   22-Sep   0.30   1.46   21-Sep   0.36   1.02   22-Sep   0.39   2.83   21-Sep   0.30   1.46   12-Sep   0.55   5.52   22-Sep   0.30   1.46   21-Sep   0.38   2.55   0.32   2.55   0.39   2.83   21-Sep   0.30   1.46   12-Sep   0.55   5.52   22-Sep   0.30   1.46   21-Sep   0.38   2.55   0.32   2.55   0.39   2.83   21-Sep   0.30   1.46   22-Sep   0.55   5.52   22-Sep   0.31   1.59   21-Sep   0.38   2.55   21-Sep   0.37   2.48   23-Sep   0.31   1.59   21-Sep   0.38   2.55   21-Sep   0.32   2.35   23-Sep   0.31   1.59   21-Sep   0.38   2.55   21-Sep   0.36   2.32   22-Sep   0.31   1.59   21-Sep   0.38   2.55   21-Sep   0.36   2.32   22-Sep   0.31   1.59   21-Sep   0.31   1.59   21-Sep   0.31   1.59   21-Sep   0.31   1.59   21-Sep   0.32   21-22   21-Sep   0.33   2.55   2.32   2.	-				-			-			•			-		
18-Sep   0.55   5.52   18-Sep   0.30   1.46   18-Sep   0.27   1.12   18-Sep   0.44   3.75   18-Sep   0.30   1.46   19-Sep   0.46   40.5   20-Sep   0.29   1.35   20-Sep   0.27   1.12   20-Sep   0.40   3.02   20-Sep   0.30   1.46   21-Sep   0.46   4.05   21-Sep   0.30   1.46   21-Sep   0.46   4.05   21-Sep   0.30   1.46   21-Sep   0.26   1.02   21-Sep   0.39   2.83   21-Sep   0.30   1.46   21-Sep   0.55   5.52   22-Sep   0.35   5.52   22-Sep   0.30   2.84   21-Sep   0.26   1.02   21-Sep   0.39   2.83   21-Sep   0.30   1.46   21-Sep   0.50   4.66   21-Sep   0.35   4.56   21-Sep   0.35   4.66   21-Sep   0.36   4.67   21-Sep   0.36   4.67   21-Sep   0.37   2.88   21-Sep   0.31   1.46   21-Sep   0.36   21-Sep   0.37   2.48   21-Sep   0.35   21-Sep   0.36   21-	•				-									-		
20-Sep   0.46   4.05   20-Sep   0.29   1.35   20-Sep   0.27   1.12   20-Sep   0.40   3.02   20-Sep   0.30   1.46	-				•									-		
21-Sep   0.46   4.05   21-Sep   0.30   1.46   21-Sep   0.26   1.02   21-Sep   0.39   2.83   21-Sep   0.30   1.46   21-Sep   0.52   5.52   22-Sep   0.30   1.46   21-Sep   0.26   1.02   22-Sep   0.38   2.65   22-Sep   0.30   1.46   21-Sep   0.52   5.18   22-Sep   0.31   2.48   21-Sep   0.38   2.65   22-Sep   0.31   1.59   21-Sep   0.38   2.65   22-Sep   0.31   1.59   21-Sep   0.38   2.65   22-Sep   0.31   1.59   21-Sep   0.37   1.12   21-Sep   0.36   2.32   22-Sep   0.31   1.59   21-Sep   0.37   1.12   21-Sep   0.36   2.32   22-Sep   0.31   1.59   21-Sep   0.32   1.35   21-Sep   0.36   2.32   22-Sep   0.31   1.59   21-Sep   0.32   1.35   21-Sep   0.36   2.32   23-Sep   0.31   1.59   21-Sep   0.32   1.35   21-Sep   0.36   2.32   23-Sep   0.31   1.59   21-Sep   0.32   1.35   21-Sep   0.31   1.39	19-Sep	(	2.48	4.36	19-Sep	0.30	1.46	_			19-Sep	0.42	3.41	19-Sep	0.30	1.46
22-Sep   0.55   5.52   22-Sep   0.30   1.46   22-Sep   0.28   1.23   23-Sep   0.39   2.83   22-Sep   0.30   1.46   23-Sep   0.50   5.18   23-Sep   0.37   2.48   24-Sep   0.34   2.01   24-Sep   0.38   2.65   23-Sep   0.30   1.46   24-Sep   0.50   4.68   24-Sep   0.31   1.59   25-Sep   0.46   4.05   26-Sep   0.31   1.59   25-Sep   0.46   4.05   26-Sep   0.31   1.59   25-Sep   0.42   3.41   27-Sep   0.31   1.59   27-Sep   0.27   1.12   25-Sep   0.36   2.32   25-Sep   0.31   1.59   28-Sep   0.31   1.59   28-Sep   0.31   1.59   28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.33   1.86   28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.33   1.86   28-Sep   0.38   1.33   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.33   1.86   28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.33   1.86   28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.35   21-Sep   0.37   248   28-Sep   0.31   1.59   28-Sep   0.32   28-Sep   0.32   28-Sep   0.32   28-Sep   0.32   28-Sep   0.32   28-Sep   0.33   28-Sep   0.30   1.46   28-Sep   0.35   21-Sep   0.37   24-Sep   0.37   24-Sep   0.37   24-Sep   0.30   1.46   4-Oct   0.30   28-Sep   0.37   24-Sep   0.30   1.46   4-Oct   0.30   28-Sep   0.30   1.46   4-Oct   0.31   28-Sep   0.30   24-Sep   0.30   1.46   4-Oct   0.31   28-Sep   0.31   24-Sep   0.30   1.46   4-Oct   0.31   28-Sep   0.32   24-Sep   0.30   1.46   4-Oct   0.31   28-Sep   0.32   24-Sep   0.30   1.46   4-Oct   0.31   28-Sep   0.32   28-S	20-Scp	•	.46	4.05	20-Sep	0.29	1.35	20-Sep	0.27	1.12						
23-Sep   0.52   5.18   23-Sep   0.37   2.48   23-Sep   0.38   2.65   23-Sep   0.30   1.46   24-Sep   0.50   4.68   24-Sep   0.31   1.59   25-Sep   0.49   4.52   25-Sep   0.31   1.59   25-Sep   0.27   1.12   25-Sep   0.36   2.32   25-Sep   0.31   1.59   25-Sep   0.42   3.41   27-Sep   0.31   1.59   25-Sep   0.27   1.12   25-Sep   0.36   2.32   25-Sep   0.31   1.59   25-Sep   0.32   1.59   25-Sep   0.31   1.59   25-Sep   0.32   1.65   23-Sep   0.31   1.59   25-Sep   0.31   1.65   25-Sep   0.31   1.59   25-Sep   0.31   1.65   25-Sep   0.31   1.65   25-Sep   0.31   1.65   25-Sep   0.31   1.59   25-Sep   0.31   1.65	•				-			-			•					
24-Sep   0.50   4.68   24-Sep   0.34   2.01   24-Sep   0.37   2.48   24-Sep   0.31   1.59   25-Sep   0.27   1.12   25-Sep   0.36   2.32   25-Sep   0.31   1.59   26-Sep   0.31   1.59   26-Sep   0.27   1.12   26-Sep   0.36   2.32   25-Sep   0.31   1.59   27-Sep   0.27   1.12   26-Sep   0.36   2.32   26-Sep   0.31   1.59   28-Sep   0.30   1.46   29-Sep   0.34   201   27-Sep   0.31   1.59   28-Sep   0.36   2.32   29-Sep   0.30   1.46   29-Sep   0.30   1.46   29-Sep   0.37   2.48   29-Sep   0.41   3.21   30-Sep   0.27   3.5   30-Sep   0.29   1.35   30-Sep   0.49   4.52   30-Sep   0.30   1.46   1.04   0.35   2.16   2-04   0.37   2.48   1.04   0.37   2.48   1.04   0.30   1.46   1.04   0.35   2.16   2-04   0.37   2.48   1.04   0.37   2.48   2.04   0.30   1.46   4.05   0.40   3.02   4.04   0.30   3.04   0.27   1.12   2.04   0.37   2.48   4.04   0.30   1.46   4.04   0.40   3.02   4.04   0.30   3.04   4.04   0.30   3.0	-				-			-			-			_		
25-Sep   0.49   452   25-Sep   0.31   1.59   25-Sep   0.27   1.12   25-Sep   0.36   2.32   25-Sep   0.33   1.86     26-Sep   0.42   3.41   27-Sep   0.31   1.59   26-Sep   0.27   1.12   27-Sep   0.36   2.32   26-Sep   0.31   1.59     28-Sep   0.32   1.79   28-Sep   0.32   1.72   28-Sep   0.37   1.12   27-Sep   0.33   1.86     28-Sep   0.31   1.59   28-Sep   0.32   1.72   28-Sep   0.30   1.46   28-Sep   0.31   1.59     28-Sep   0.34   3.21   30-Sep   0.39   1.46   29-Sep   0.30   1.46   28-Sep   0.37   2.48   29-Sep   0.41   3.21     30-Sep   0.41   3.21   30-Sep   0.29   1.35   30-Sep   0.29   1.35   30-Sep   0.49   5.52   30-Sep   0.30   1.46     1-Oct   0.46   4.05   1-Oct   0.37   2.48   1-Oct   0.30   1.46   1-Oct   0.37   2.48   2-Oct   0.30   1.46     2-Oct   0.35   2.16   2-Oct   0.34   2.01   2-Oct   0.27   1.12   2-Oct   0.37   2.48   2-Oct   0.30   1.46     4-Oct   0.40   3.02   4-Oct   0.36   2.32   4-Oct   0.29   1.35   4-Oct   0.37   2.48   3-Oct   0.30   1.46     5-Oct   0.41   3.75   5-Oct   0.30   1.46   5-Oct   0.27   1.12   3-Oct   0.37   2.48   3-Oct   0.30   1.46     6-Oct   0.38   2.65   6-Oct   0.30   1.46   5-Oct   0.27   1.12   3-Oct   0.37   2.48   5-Oct   0.30   1.46     6-Oct   0.38   2.65   6-Oct   0.30   1.46   6-Oct   0.24   0.84   6-Oct   0.37   2.48   5-Oct   0.30   1.46     8-Oct   0.41   3.75   3-Oct   0.27   1.12   3-Oct   0.37   2.48   5-Oct   0.30   1.46     8-Oct   0.44   3.75   9-Oct   0.27   1.12   3-Oct   0.34   3-Oct   0.37   2.48   3-Oct   0.30   1.46     10-Oct   0.44   3.75   9-Oct   0.27   1.12   3-Oct   0.24   0.84   3-Oct   0.37   2.48   3-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.26   1.02   10-Oct   0.24   0.84   3-Oct   0.37   2.48   3-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.26   1.22   10-Oct   0.24   0.84   3-Oct   0.37   2.48   3-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.26   1.23   13-Oct   0.25   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.30   1.46   11-Oct   0.35	-							_								
26-Sep 0.46 4.05 26-Sep 0.31 1.59 27-Sep 0.27 1.12 26-Sep 0.36 2.32 26-Sep 0.31 1.59 27-Sep 0.32 1.59 27-Sep 0.37 1.29 27-Sep 0.34 2.01 27-Sep 0.31 1.59 27-Sep 0.31 1.59 27-Sep 0.37 1.46 28-Sep 0.32 1.65 28-Sep 0.32 1.62 28-Sep 0.32 1.63 28-Sep 0.34 1.65 28-Sep 0.33 1.65 28-Sep 0.30 1.46 28-Sep 0.33 1.65 28-Sep 0.30 1.46 28-Sep 0.37 2.48 29-Sep 0.30 1.46 28-Sep 0.38 1.63 28-Sep 0.39 1.64 28-Sep 0.39 1.64 1.0ct 0.37 2.48 1.0ct 0.30 1.46 20-Sep 0.37 2.48 1.0ct 0.30 1.46 20-Sep 0.37 2.48 1.0ct 0.30 1.46 28-Sep 0.38 1.69 28-Sep 0.30 1.46 28-Sep 0.38 1.69 28-Sep 0.39 1.46 28-Sep 0.38 1.69 28-Sep 0.39 2.83 3.0ct 0.30 2.30ct 0.37 2.48 2.0ct 0.30 1.46 28-Sep 0.49 4.0ct 0.39 2.83 3.0ct 0.40 3.02 3.0ct 0.27 1.12 3.0ct 0.37 2.48 3.0ct 0.30 1.46 5-Oct 0.40 3.02 4.0ct 0.36 2.32 4.0ct 0.29 1.35 4.0ct 0.37 2.48 4.0ct 0.30 1.46 5-Oct 0.40 3.02 4.0ct 0.36 2.32 4.0ct 0.29 1.35 4.0ct 0.37 2.48 4.0ct 0.30 1.46 6-Oct 0.34 3.75 5-Oct 0.30 1.46 5-Oct 0.27 1.12 5-Oct 0.37 2.48 4.0ct 0.30 1.46 8-Oct 0.41 3.21 7-Oct 0.31 1.59 7-Oct 0.24 0.84 7-Oct 0.37 2.48 6-Oct 0.30 1.46 8-Oct 0.41 3.21 7-Oct 0.31 1.59 7-Oct 0.24 0.84 7-Oct 0.37 2.48 6-Oct 0.30 1.46 8-Oct 0.40 3.02 1.0ct 0.25 1.02 8-Oct 0.24 0.84 10-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.40 3.02 10-Oct 0.26 1.02 10-Oct 0.24 0.84 10-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.40 3.02 10-Oct 0.26 1.02 10-Oct 0.24 0.84 10-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.40 3.02 10-Oct 0.26 1.02 10-Oct 0.26 0.32 1.23 13-Oct 0.23 0.84 10-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.45 3.90 13-Oct 0.28 1.23 13-Oct 0.55 5.01 13-Oct 0.37 2.48 13-Oct 0.30 1.46 11-Oct 0.44 3.75 18-Oct 0.27 1.12 15-Oct 0.55 5.70 13-Oct 0.37 2.48 13-Oct 0.30 1.46 13-Oct 0.44 3.75 18-Oct 0.27 1.12 15-Oct 0.56 5.70 13-Oct 0.37 2.48 13-Oct 0.30 1.46 13-Oct 0.44 3.75 18-Oct 0.37 1.48 13-Oct 0.37 1.48 13-Oct 0.30 1.46 13-Oct 0.44 3.75 18-Oct 0.27 1.12 15-Oct 0.55 5.70 13-Oct 0.37 2.48 13-Oct 0.30 1.46	-				_			•			-			-		
27-Sep 0.42 3.41 27-Sep 0.31 1.59 27-Sep 0.27 1.12 27-Sep 0.34 2.01 27-Sep 0.31 1.59 28-Sep 0.36 232 29-Sep 0.30 1.46 28-Sep 0.33 1.86 28-Sep 0.34 2.01 3.21 30-Sep 0.36 1.45 28-Sep 0.37 1.46 28-Sep 0.37 1.48 29-Sep 0.41 3.21 30-Sep 0.29 1.35 30-Sep 0.29 1.35 30-Sep 0.49 4.52 30-Sep 0.30 1.46 1-Oct 0.37 2.48 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.65 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.05 1-Oct 0.30 1.46 1-Oct 0.30 1.46 1-Oct 0.38 2.05 1-Oct 0.30 1.46 1-Oct 0.3	•				_			-						•		
28-Sep 0.31 1.59 28-Sep 0.32 1.72 28-Sep 0.30 1.46 28-Sep 0.33 1.86 28-Sep 0.28 1.23 29-Sep 0.34 3.21 39-Sep 0.44 3.21 30-Sep 0.49 1.321 30-Sep 0.49 1.49 1.321 30-Sep 0.49 1.49 1.321 30-Sep 0.49 1.321 30-Sep 0.49 1.49 1.321 30-Sep 0.49 1.321 30-Sep 0.49 1.49 1.321 30-S					-						-					
30-Sep   0.41   3.21   30-Sep   0.29   1.35   30-Sep   0.29   1.35   30-Sep   0.49   4.52   30-Sep   0.30   1.46     1-Oct   0.46   4.05   1-Oct   0.37   2.48   1-Oct   0.30   1.46   1-Oct   0.37   2.48   1-Oct   0.30   1.46     3-Oct   0.35   2.16   2-Oct   0.34   2.01   2-Oct   0.27   1.12   2-Oct   0.37   2.48   2-Oct   0.30   1.46     4-Oct   0.40   3.02   4-Oct   0.36   2.32   4-Oct   0.27   1.12   3-Oct   0.37   2.48   4-Oct   0.30   1.46     5-Oct   0.44   3.75   5-Oct   0.30   1.46   5-Oct   0.27   1.12   3-Oct   0.37   2.48   4-Oct   0.30   1.46     5-Oct   0.48   3.21   7-Oct   0.30   1.46   6-Oct   0.27   1.12   5-Oct   0.37   2.48   4-Oct   0.30   1.46     6-Oct   0.38   2.65   6-Oct   0.30   1.46   6-Oct   0.27   1.12   5-Oct   0.37   2.48   6-Oct   0.30   1.46     7-Oct   0.41   3.21   7-Oct   0.31   1.59   7-Oct   0.24   0.84   6-Oct   0.37   2.48   6-Oct   0.30   1.46     8-Oct   0.44   3.75   8-Oct   0.27   1.12   8-Oct   0.24   0.84   8-Oct   0.37   2.48   8-Oct   0.30   1.46     8-Oct   0.44   3.75   8-Oct   0.27   1.12   8-Oct   0.24   0.84   8-Oct   0.37   2.48   8-Oct   0.30   1.46     10-Oct   0.40   3.02   10-Oct   0.26   1.02   10-Oct   0.24   0.84   8-Oct   0.37   2.48   8-Oct   0.30   1.46     11-Oct   0.40   3.02   10-Oct   0.26   1.02   10-Oct   0.24   0.84   11-Oct   0.37   2.48   9-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.28   1.23   12-Oct   0.48   4.36   12-Oct   0.37   2.48   10-Oct   0.30   1.46     11-Oct   0.45   3.90   13-Oct   0.28   1.23   13-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46     13-Oct   0.45   3.90   13-Oct   0.28   1.23   13-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46     13-Oct   0.45   3.90   13-Oct   0.27   1.12   15-Oct   0.54   5.55   15-Oct   0.37   2.48   13-Oct   0.30   1.46     13-Oct   0.45   3.55   13-Oct   0.27   1.12   15-Oct   0.54   5.55   15-Oct   0.37   2.48   13-Oct   0.30   1.46     13-Oct   0.45   3.50   13-Oct   0.27   1.12   15-Oct   0.55   5.52   17-Oct   0.37   2.48   13-Oct   0.	-				_			-			-			. •		
1-Oct   0.46   4.05   1-Oct   0.37   2.48   1-Oct   0.30   1.46   1-Oct   0.37   2.48   1-Oct   0.30   1.46   2-Oct   0.35   2.16   2-Oct   0.34   201   2-Oct   0.27   1.12   2-Oct   0.37   2.48   2-Oct   0.30   1.46   3-Oct   0.40   3.02   4-Oct   0.36   2.32   4-Oct   0.27   1.12   3-Oct   0.37   2.48   3-Oct   0.30   1.46   5-Oct   0.40   3.02   4-Oct   0.36   2.32   4-Oct   0.27   1.12   5-Oct   0.37   2.48   4-Oct   0.30   1.46   5-Oct   0.24   0.84   6-Oct   0.37   2.48   5-Oct   0.30   1.46   6-Oct   0.24   0.84   6-Oct   0.37   2.48   5-Oct   0.30   1.46   6-Oct   0.24   0.84   6-Oct   0.37   2.48   5-Oct   0.30   1.46   6-Oct   0.24   0.84   6-Oct   0.37   2.48   5-Oct   0.30   1.46   8-Oct   0.41   3.21   7-Oct   0.31   1.59   7-Oct   0.24   0.84   8-Oct   0.37   2.48   7-Oct   0.30   1.46   8-Oct   0.41   3.21   7-Oct   0.31   1.59   7-Oct   0.24   0.84   8-Oct   0.37   2.48   7-Oct   0.30   1.46   8-Oct   0.41   3.75   8-Oct   0.27   1.12   8-Oct   0.24   0.84   8-Oct   0.37   2.48   8-Oct   0.30   1.46   10-Oct   0.40   3.02   10-Oct   0.26   1.02   10-Oct   0.24   0.84   10-Oct   0.37   2.48   8-Oct   0.30   1.46   11-Oct   0.47   4.20   11-Oct   0.30   1.46   11-Oct   0.24   0.84   11-Oct   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.47   4.20   11-Oct   0.30   1.46   11-Oct   0.24   0.84   11-Oct   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.47   4.20   11-Oct   0.30   1.40   0.24   0.84   11-Oct   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.47   4.20   11-Oct   0.28   1.23   12-Oct   0.48   4.36   12-Oct   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.47   1.12   11-Oct   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50   0.55   1.50   0.37   2.48   11-Oct   0.30   1.46   11-Oct   0.55   1.50	29-Sep	•	0.36	2.32	29-Sep	0.30	1.45	29-Sep	0.30	1.46	29-Sep	0.37	2.48	29-Sep	0,41	3.21
2-Oct 0.35					-			•						-		
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7-Oct 0.41 3.21 7-Oct 0.31 1.59 7-Oct 0.24 0.84 7-Oct 0.37 2.48 7-Oct 0.30 1.46 8-Oct 0.44 3.75 8-Oct 0.27 1.12 9-Oct 0.24 0.84 8-Oct 0.37 2.48 8-Oct 0.30 1.46 9-Oct 0.44 3.75 9-Oct 0.26 1.02 10-Oct 0.24 0.84 10-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.47 4.20 11-Oct 0.30 1.46 11-Oct 0.24 0.84 11-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.47 4.20 11-Oct 0.28 1.23 12-Oct 0.48 4.36 12-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.45 3.90 13-Oct 0.28 1.23 12-Oct 0.48 4.36 12-Oct 0.37 2.48 11-Oct 0.30 1.46 11-Oct 0.45 3.90 13-Oct 0.27 1.12 14-Oct 0.66 7.58 14-Oct 0.37 2.48 13-Oct 0.30 1.46 14-Oct 0.52 5.01 13-Oct 0.37 2.48 13-Oct 0.30 1.46 14-Oct 0.52 5.01 13-Oct 0.52 5.01 15-Oct 0.77 1.12 14-Oct 0.66 7.58 14-Oct 0.37 2.48 13-Oct 0.30 1.46 16-Oct 0.47 4.20 16-Oct 0.27 1.12 15-Oct 0.54 5.35 15-Oct 0.37 2.48 15-Oct 0.30 1.46 16-Oct 0.47 4.20 16-Oct 0.27 1.12 15-Oct 0.68 7.98 16-Oct 0.37 2.48 16-Oct 0.30 1.46 18-Oct 0.44 3.75 18-Oct 0.27 1.12 17-Oct 0.55 5.52 17-Oct 0.37 2.48 16-Oct 0.30 1.46 18-Oct 0.44 3.75 18-Oct 0.33 1.86 19-Oct 0.55 5.52 17-Oct 0.37 2.48 19-Oct 0.30 1.46 20-Oct 0.56 5.70 20-Oct 0.56 5.70 20-Oct 0.35 1.86 19-Oct 0.56 5.70 19-Oct 0.37 2.48 19-Oct 0.30 1.46 21-Oct 0.53 5.18 21-Oct 0.53 5.18 21-Oct 0.37 2.48 19-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.35 1.86 19-Oct 0.56 5.70 20-Oct 0.37 2.48 21-Oct 0.30 1.46 22-Oct 0.55 5.02 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.43 3.75 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.56 5.70 22-Oct 0.37 2.48 2																
8-Oct 0.44 3.75 8-Oct 0.27 1.12 8-Oct 0.24 0.84 8-Oct 0.37 2.48 8-Oct 0.30 1.46 9-Oct 0.40 3.75 9-Oct 0.27 1.12 9-Oct 0.24 0.84 10-Oct 0.37 2.48 9-Oct 0.30 1.46 11-Oct 0.40 3.02 10-Oct 0.26 1.02 10-Oct 0.24 0.84 11-Oct 0.37 2.48 10-Oct 0.30 1.46 11-Oct 0.47 4.20 11-Oct 0.30 1.46 11-Oct 0.24 0.84 11-Oct 0.37 2.48 11-Oct 0.30 1.46 13-Oct 0.45 3.90 13-Oct 0.28 1.23 12-Oct 0.48 4.36 12-Oct 0.37 2.48 11-Oct 0.30 1.46 13-Oct 0.45 3.90 13-Oct 0.28 1.23 13-Oct 0.52 5.01 13-Oct 0.37 2.48 13-Oct 0.30 1.46 14-Oct 0.62 6.80 14-Oct 0.27 1.12 14-Oct 0.66 7.58 14-Oct 0.37 2.48 13-Oct 0.30 1.46 15-Oct 0.52 5.01 15-Oct 0.27 1.12 15-Oct 0.68 7.58 14-Oct 0.37 2.48 13-Oct 0.30 1.46 15-Oct 0.52 5.01 15-Oct 0.27 1.12 15-Oct 0.68 7.58 14-Oct 0.37 2.48 15-Oct 0.30 1.46 16-Oct 0.47 4.20 16-Oct 0.27 1.12 15-Oct 0.68 7.58 16-Oct 0.37 2.48 16-Oct 0.30 1.46 17-Oct 0.44 3.75 17-Oct 0.27 1.12 17-Oct 0.55 5.52 17-Oct 0.37 2.48 16-Oct 0.30 1.46 18-Oct 0.44 3.75 18-Oct 0.29 1.35 18-Oct 0.53 5.18 18-Oct 0.37 2.48 18-Oct 0.30 1.46 19-Oct 0.45 3.90 19-Oct 0.33 1.86 19-Oct 0.56 5.70 19-Oct 0.37 2.48 19-Oct 0.30 1.46 21-Oct 0.56 5.70 20-Oct 0.56 5.70 20-Oct 0.56 5.70 20-Oct 0.37 2.48 21-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.55 5.52 12-Oct 0.37 2.48 21-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 21-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 21-Oct 0.30 1.46 22-Oct 0.45 3.90 22-Oct 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.44 3.75 23-Oct 0.40 3.41 2.01 24-Oct 0.50 5.52 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.56 5.70 20-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.40 3.41 2.50 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.40 3.41 2.50 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.40 3.41 2.50 0.30 1.46 22-Oct 0.55 5.52 22-Oct 0.37 2.48 22-Oct 0.30 1.46 22-Oct 0.40 3.41 2.50 0.30 1.46 22-Oct																
10-Oct   0.40   3.02   10-Oct   0.26   1.02   10-Oct   0.24   0.84   10-Oct   0.37   2.48   10-Oct   0.30   1.46   11-Oct   0.47   4.20   11-Oct   0.30   1.46   11-Oct   0.24   0.84   11-Oct   0.37   2.48   11-Oct   0.30   1.46   12-Oct   0.46   4.05   12-Oct   0.28   12.3   12-Oct   0.48   4.36   12-Oct   0.37   2.48   12-Oct   0.30   1.46   13-Oct   0.45   3.90   3.90ct   0.28   1.23   12-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46   13-Oct   0.62   6.80   14-Oct   0.27   1.12   14-Oct   0.66   7.58   14-Oct   0.37   2.48   14-Oct   0.30   1.46   15-Oct   0.52   5.01   15-Oct   0.27   1.12   15-Oct   0.54   5.35   15-Oct   0.37   2.48   14-Oct   0.30   1.46   16-Oct   0.47   4.20   16-Oct   0.27   1.12   16-Oct   0.68   7.98   16-Oct   0.37   2.48   16-Oct   0.30   1.46   18-Oct   0.44   3.75   17-Oct   0.27   1.12   17-Oct   0.55   5.52   17-Oct   0.37   2.48   18-Oct   0.30   1.46   18-Oct   0.44   3.75   18-Oct   0.29   1.35   18-Oct   0.53   5.18   18-Oct   0.37   2.48   18-Oct   0.30   1.46   19-Oct   0.56   5.70   19-Oct   0.37   2.48   19-Oct   0.30   1.46   19-Oct   0.56   5.70   19-Oct   0.37   2.48   19-Oct   0.30   1.46   19-Oct   0.56   5.70   20-Oct   0.37   2.48   21-Oct   0.37   2.48   20-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   20-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.27   1.12   24-Oct   0.53   5.18   21-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.27   1.12   24-Oct   0.58   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.27   1.12   24-Oct   0.57   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.30   1.46   22-Oct   0.57   5.87   26-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   24-Oct   0.30   1.46   22-Oct   0.57   5.87   26-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.45   3.90																
11-Oct   0.47   4.20   11-Oct   0.30   1.46   11-Oct   0.24   0.84   11-Oct   0.37   2.48   11-Oct   0.30   1.46   12-Oct   0.46   4.05   12-Oct   0.28   1.23   12-Oct   0.48   4.36   12-Oct   0.37   2.48   12-Oct   0.30   1.46   13-Oct   0.45   3.90   13-Oct   0.28   1.23   13-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46   14-Oct   0.62   6.80   14-Oct   0.27   1.12   14-Oct   0.66   7.58   14-Oct   0.37   2.48   14-Oct   0.30   1.46   15-Oct   0.52   5.01   13-Oct   0.37   2.48   14-Oct   0.30   1.46   16-Oct   0.52   5.01   13-Oct   0.37   2.48   14-Oct   0.30   1.46   16-Oct   0.47   4.20   16-Oct   0.27   1.12   15-Oct   0.54   5.35   15-Oct   0.37   2.48   16-Oct   0.30   1.46   17-Oct   0.44   3.75   17-Oct   0.27   1.12   17-Oct   0.55   5.52   17-Oct   0.37   2.48   16-Oct   0.30   1.46   18-Oct   0.44   3.75   18-Oct   0.29   1.35   18-Oct   0.53   5.18   18-Oct   0.37   2.48   18-Oct   0.30   1.46   19-Oct   0.56   5.70   19-Oct   0.37   2.48   19-Oct   0.30   1.46   21-Oct   0.53   5.18   21-Oct   0.37   2.48   21-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.55   5.52   22-Oct   0.37   2.48   21-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.56   5.70   20-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   4.68   23-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   4.68   23-Oct   0.37   2.48   23-Oct   0.30   1.46   22-Oct   0.47   4.20   23-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.47   4.20   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.47   4.20   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.30   1.46   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.30   1.46   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.30   1.46   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.30   1.46   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.30   2.48					9-Oct	0.27	1.12	9-Oct	0.24	0.84	9-Oct					
12-Oct   0.46   4.05   12-Oct   0.28   1.23   12-Oct   0.48   4.36   12-Oct   0.37   2.48   12-Oct   0.30   1.46   13-Oct   0.45   3.90   13-Oct   0.28   1.23   13-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46   14-Oct   0.62   6.80   14-Oct   0.27   1.12   14-Oct   0.66   7.58   14-Oct   0.37   2.48   14-Oct   0.30   1.46   15-Oct   0.52   5.01   15-Oct   0.27   1.12   15-Oct   0.54   5.35   15-Oct   0.37   2.48   15-Oct   0.30   1.46   16-Oct   0.47   4.20   16-Oct   0.27   1.12   15-Oct   0.68   7.98   16-Oct   0.37   2.48   15-Oct   0.30   1.46   18-Oct   0.44   3.75   18-Oct   0.27   1.12   17-Oct   0.55   5.52   17-Oct   0.37   2.48   16-Oct   0.30   1.46   18-Oct   0.44   3.75   18-Oct   0.29   1.35   18-Oct   0.53   5.18   18-Oct   0.37   2.48   18-Oct   0.30   1.46   19-Oct   0.45   3.90   19-Oct   0.33   1.86   19-Oct   0.56   5.70   19-Oct   0.37   2.48   19-Oct   0.30   1.46   21-Oct   0.53   5.18   21-Oct   0.53   5.18   21-Oct   0.53   5.18   21-Oct   0.57   2.48   21-Oct   0.30   1.46   22-Oct   0.45   3.90   22-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   4.68   23-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.45   3.90   22-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46   22-Oct   0.44   3.75   23-Oct   0.45   3.90   23-Oct   0.30   1.46   23-Oct   0.44   3.75   24-Oct   0.30   1.46   23-Oct   0.48   4.36   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.46   4.05   23-Oct   0.30   1.46   23-Oct   0.47   4.20   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.46   4.05   23-Oct   0.30   1.46   23-Oct   0.47   4.20   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.48   4.36   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.37   2.48   23-Oct   0.30   1.46   23-Oct   0.37   2.48															1	
13-Oct   0.45   3.90   13-Oct   0.28   1.23   13-Oct   0.52   5.01   13-Oct   0.37   2.48   13-Oct   0.30   1.46     14-Oct   0.62   6.80   14-Oct   0.27   1.12   14-Oct   0.66   7.58   14-Oct   0.37   2.48   14-Oct   0.30   1.46     15-Oct   0.52   5.01   15-Oct   0.27   1.12   15-Oct   0.54   5.35   15-Oct   0.37   2.48   15-Oct   0.30   1.46     16-Oct   0.47   4.20   16-Oct   0.27   1.12   16-Oct   0.68   7.98   16-Oct   0.37   2.48   16-Oct   0.30   1.46     17-Oct   0.44   3.75   18-Oct   0.27   1.12   17-Oct   0.55   5.52   17-Oct   0.37   2.48   16-Oct   0.30   1.46     19-Oct   0.45   3.90   19-Oct   0.33   1.66   19-Oct   0.56   5.70   19-Oct   0.37   2.48   19-Oct   0.30   1.46     19-Oct   0.56   5.70   20-Oct   0.37   2.48   20-Oct   0.56   5.70   20-Oct   0.37   2.48   19-Oct   0.30   1.46     20-Oct   0.56   5.70   20-Oct   0.37   2.48   20-Oct   0.55   5.52   22-Oct   0.37   2.48   21-Oct   0.30   1.46     22-Oct   0.45   3.90   22-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   21-Oct   0.30   1.46     22-Oct   0.45   3.90   22-Oct   0.30   1.46   22-Oct   0.55   5.52   22-Oct   0.37   2.48   22-Oct   0.30   1.46     22-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   5.52   22-Oct   0.37   2.48   23-Oct   0.30   1.46     23-Oct   0.44   3.75   23-Oct   0.29   1.35   23-Oct   0.50   4.68   23-Oct   0.37   2.48   23-Oct   0.30   1.46     25-Oct   0.46   4.05   23-Oct   0.30   1.46   25-Oct   0.48   4.36   24-Oct   0.37   2.48   23-Oct   0.30   1.46     25-Oct   0.46   4.05   26-Oct   0.30   1.46   25-Oct   0.47   4.20   25-Oct   0.37   2.48   25-Oct   0.30   1.46     27-Oct   0.46   4.05   27-Oct   0.30   1.46   25-Oct   0.47   4.20   25-Oct   0.37   2.48   25-Oct   0.30   1.46     28-Oct   0.45   3.90   28-Oct   0.41   3.21   28-Oct   0.43   3.62   28-Oct   0.37   2.48   27-Oct   0.30   1.46     29-Oct   0.46   4.05   29-Oct   0.40   3.02   29-Oct   0.43   3.62   28-Oct   0.37   2.48   30-Oct   0.37   2.48   30-Oct   0.37   2.48   30-Oct   0.37   2.48   30-Oct   0.																
14-Oct         0.62         6.80         14-Oct         0.27         1.12         14-Oct         0.66         7.58         14-Oct         0.37         2.48         14-Oct         0.30         1.46           15-Oct         0.52         5.01         15-Oct         0.27         1.12         15-Oct         0.54         5.35         15-Oct         0.37         2.48         15-Oct         0.30         1.46           16-Oct         0.47         4.20         16-Oct         0.27         1.12         16-Oct         0.68         7.98         16-Oct         0.37         2.48         16-Oct         0.30         1.46           17-Oct         0.44         3.75         17-Oct         0.27         1.12         17-Oct         0.55         5.52         17-Oct         0.37         2.48         17-Oct         0.30         1.46           19-Oct         0.44         3.75         18-Oct         0.32         1.86         19-Oct         0.55         5.70         19-Oct         0.37         2.48         19-Oct         0.30         1.46           20-Oct         0.56         5.70         20-Oct         0.37         2.48         20-Oct         0.55         5.52         22-Oct																
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16-Oct         0.47         4.20         16-Oct         0.27         1.12         16-Oct         0.68         7.98         16-Oct         0.37         2.48         16-Oct         0.30         1.46           17-Oct         0.44         3.75         17-Oct         0.27         1.12         17-Oct         0.55         5.52         17-Oct         0.37         2.48         17-Oct         0.30         1.46           18-Oct         0.44         3.75         18-Oct         0.29         1.35         18-Oct         0.53         5.18         18-Oct         0.37         2.48         19-Oct         0.30         1.46           20-Oct         0.56         5.70         20-Oct         0.37         2.48         20-Oct         0.30         1.46         20-Oct         0.56         5.70         20-Oct         0.37         2.48         20-Oct         0.30         1.46         20-Oct         0.53         5.18         21-Oct         0.31         2.48         20-Oct         0.53         5.18         21-Oct         0.30         1.46         22-Oct         0.53         5.18         21-Oct         0.37         2.48         22-Oct         0.30         1.46         22-Oct         0.55         5.52																
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21-Oct         0.53         5.18         21-Oct         0.34         2.01         21-Oct         0.53         5.18         21-Oct         0.34         2.01         21-Oct         0.53         5.18         21-Oct         0.37         2.48         21-Oct         0.30         1.46           22-Oct         0.45         3.90         22-Oct         0.30         1.46         22-Oct         0.55         5.52         22-Oct         0.37         2.48         22-Oct         0.30         1.46           23-Oct         0.44         3.75         23-Oct         0.29         1.35         23-Oct         0.50         4.68         23-Oct         0.37         2.48         23-Oct         0.30         1.46           25-Oct         0.44         3.75         24-Oct         0.30         1.46         25-Oct         0.47         4.20         25-Oct         0.37         2.48         25-Oct         0.30         1.46           25-Oct         0.46         4.05         26-Oct         0.30         1.46         26-Oct         0.57         5.87         26-Oct         0.37         2.48         27-Oct         0.30         1.46           27-Oct         0.46         4.05         26-Oct	19-0ci	ı	0.45	3.90												
22-Oct         0.45         3.90         22-Oct         0.30         1.46         22-Oct         0.55         5.52         22-Oct         0.37         2.48         22-Oct         0.30         1.46           23-Oct         0.44         3.75         23-Oct         0.29         1.35         23-Oct         0.50         4.68         23-Oct         0.37         2.48         23-Oct         0.30         1.46           24-Oct         0.44         3.75         24-Oct         0.27         1.12         24-Oct         0.48         4.36         24-Oct         0.37         2.48         24-Oct         0.30         1.46           25-Oct         0.42         3.41         25-Oct         0.30         1.46         25-Oct         0.47         4.20         25-Oct         0.37         2.48         25-Oct         0.30         1.46           26-Oct         0.46         4.05         26-Oct         0.30         1.46         27-Oct         0.56         5.70         27-Oct         0.37         2.48         25-Oct         0.30         1.46           27-Oct         0.45         3.90         28-Oct         0.41         3.21         28-Oct         0.43         3.62         28-Oct																
23-Oct 0.44 3.75 23-Oct 0.29 1.35 23-Oct 0.50 4.68 23-Oct 0.37 2.48 23-Oct 0.30 1.46 24-Oct 0.44 3.75 24-Oct 0.30 1.46 25-Oct 0.47 4.20 25-Oct 0.37 2.48 25-Oct 0.30 1.46 25-Oct 0.46 4.05 26-Oct 0.30 1.46 26-Oct 0.57 5.87 26-Oct 0.37 2.48 25-Oct 0.30 1.46 27-Oct 0.46 4.05 27-Oct 0.30 1.46 27-Oct 0.56 5.70 27-Oct 0.37 2.48 25-Oct 0.30 1.46 27-Oct 0.46 4.05 27-Oct 0.30 1.46 27-Oct 0.56 5.70 27-Oct 0.37 2.48 27-Oct 0.30 1.46 28-Oct 0.45 3.90 28-Oct 0.41 3.21 28-Oct 0.43 3.62 28-Oct 0.37 2.48 22-Oct 0.30 1.46 29-Oct 0.46 4.05 29-Oct 0.40 3.02 29-Oct 0.49 28-Oct 0.40 3.02 29-Oct 0.40 3.02 29-Oct 0.30 28-Oct 0.37 2.48 28-Oct 0.37 2.48 28-Oct 0.30 1.46 30-Oct 0.53 5.18 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.37 2.48 28-Oct 0.30 1.46 31-Oct 0.53 5.18 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.30 1.46 31-Oct 0.47 4.20 31-Oct 0.32 1.72 31-Oct 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 11-Nov 0.35 2.16 1-Nov 0.28 1.23 2-Nov 0.43 3.62 2-Nov 0.30 1.46 2-Nov 0.30 2.80 2-Nov 0.30 1.46 2-Nov 0.28 1.23 3-Nov 0.43 3.62 3-Nov 0.33 1.86 3-Nov 0.34 2.01 3-Nov 0.32 1.72 3-Nov 0.27 1.11																
24-Oct         0.44         3.75         24-Oct         0.27         1.12         24-Oct         0.48         4.36         24-Oct         0.37         2.48         24-Oct         0.30         1.46           25-Oct         0.42         3.41         25-Oct         0.30         1.46         25-Oct         0.47         4.20         25-Oct         0.37         2.48         25-Oct         0.30         1.46           26-Oct         0.46         4.05         26-Oct         0.30         1.46         26-Oct         0.57         5.87         26-Oct         0.37         2.48         25-Oct         0.30         1.46           27-Oct         0.46         4.05         27-Oct         0.30         1.46         27-Oct         0.56         5.70         27-Oct         0.37         2.48         27-Oct         0.30         1.46           29-Oct         0.45         3.90         28-Oct         0.41         3.21         28-Oct         0.43         3.62         28-Oct         0.37         2.48         28-Oct         0.30         1.46           29-Oct         0.46         4.05         29-Oct         0.40         3.02         29-Oct         0.39         2.83         29-Oct																
25-Oct 0.42 3.41 25-Oct 0.30 1.46 25-Oct 0.47 4.20 25-Oct 0.37 2.48 25-Oct 0.30 1.46 26-Oct 0.46 4.05 26-Oct 0.30 1.46 26-Oct 0.57 5.87 26-Oct 0.37 2.48 26-Oct 0.30 1.46 27-Oct 0.46 4.05 27-Oct 0.30 1.46 27-Oct 0.56 5.70 27-Oct 0.37 2.48 27-Oct 0.30 1.46 28-Oct 0.45 3.90 28-Oct 0.41 3.21 28-Oct 0.43 3.62 28-Oct 0.37 2.48 28-Oct 0.30 1.46 29-Oct 0.46 4.05 29-Oct 0.40 3.02 29-Oct 0.39 2.83 29-Oct 0.37 2.48 29-Oct 0.30 1.46 30-Oct 0.53 5.18 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.48 3.62 2-Nov 0.30 1.46 2-Nov 0.37 2.48 31-Oct 0.37 2.48 31-O																
Z6-Oct         0.46         4.05         26-Oct         0.30         1.46         26-Oct         0.57         5.87         26-Oct         0.37         2.48         26-Oct         0.30         1.46           27-Oct         0.46         4.05         27-Oct         0.30         1.46         27-Oct         0.56         5.70         27-Oct         0.37         2.48         27-Oct         0.30         1.46           28-Oct         0.45         3.90         28-Oct         0.41         3.21         28-Oct         0.43         3.62         28-Oct         0.37         2.48         28-Oct         0.30         1.46           29-Oct         0.46         4.05         29-Oct         0.40         3.02         29-Oct         0.39         2.83         29-Oct         0.37         2.48         29-Oct         0.30         1.46           30-Oct         0.53         5.18         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.30         1.46           31-Oct         0.47         4.20         31-Oct         0.32         1.72         31-Oct         0.37         2.48         31-Oct         0.37         2.48         31-Oct																
27-Oct         0.46         4.05         27-Oct         0.30         1.46         27-Oct         0.56         5.70         27-Oct         0.37         2.48         27-Oct         0.30         1.46           28-Oct         0.45         3.90         28-Oct         0.41         3.21         28-Oct         0.43         3.62         28-Oct         0.37         2.48         28-Oct         0.30         1.46           29-Oct         0.46         4.05         29-Oct         0.40         3.02         29-Oct         0.39         2.83         29-Oct         0.37         2.48         29-Oct         0.30         1.46           30-Oct         0.53         5.18         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.30         1.46           31-Oct         0.47         4.20         31-Oct         0.32         1.72         31-Oct         0.37         2.48         31-Oct         0.37         2.48         31-Oct         0.30         1.46           1-Nov         0.44         3.75         1-Nov         0.30         1.46         1-Nov         0.37         2.48         1-Nov         0.35																
28-Oct         0.45         3.90         28-Oct         0.41         3.21         28-Oct         0.43         3.62         28-Oct         0.37         2.48         28-Oct         0.30         1.46           29-Oct         0.46         4.05         29-Oct         0.40         3.02         29-Oct         0.39         2.83         29-Oct         0.37         2.48         29-Oct         0.30         1.46           30-Oct         0.53         5.18         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.30         1.46           31-Oct         0.47         4.20         31-Oct         0.32         1.72         31-Oct         0.37         2.48         31-Oct         0.37         2.48         31-Oct         0.30         1.46           1-Nov         0.44         3.75         1-Nov         0.30         1.46         1-Nov         0.37         2.48         1-Nov         0.35         2.16         1-Nov         0.28         1.23           2-Nov         0.43         3.62         2-Nov         0.30         1.46         2-Nov         0.36         2.32         2-Nov         0.30																
29-Oct         0.46         4.05         29-Oct         0.40         3.02         29-Oct         0.39         2.83         29-Oct         0.37         2.48         29-Oct         0.30         1.46           30-Oct         0.53         5.18         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.37         2.48         30-Oct         0.37         2.48         31-Oct         0.30         1.46           31-Oct         0.47         4.20         31-Oct         0.32         1.72         31-Oct         0.37         2.48         31-Oct         0.37         2.48         31-Oct         0.30         1.46           1-Nov         0.43         3.62         2-Nov         0.30         1.46         1-Nov         0.37         2.48         1-Nov         0.35         2.16         1-Nov         0.28         1.23           2-Nov         0.43         3.62         2-Nov         0.30         1.46         2-Nov         0.36         2.32         2-Nov         0.30         1.46         2-Nov         0.34         2.10         3-Nov         0.32         1.72         3-Nov         0.27         1.11								-								
30-Oct 0.53 5.18 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.37 2.48 30-Oct 0.30 1.46 31-Oct 0.47 4.20 31-Oct 0.32 1.72 31-Oct 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 1-Nov 0.35 2.16 1-Nov 0.28 1.23 2-Nov 0.43 3.62 2-Nov 0.30 1.46 2-Nov 0.36 2.32 2-Nov 0.30 1.46 2-Nov 0.28 1.23 3-Nov 0.43 3.62 3-Nov 0.33 1.86 3-Nov 0.34 2.01 3-Nov 0.32 1.72 3-Nov 0.27 1.11																
31-Oct 0.47 4.20 31-Oct 0.32 1.72 31-Oct 0.37 2.48 31-Oct 0.37 2.48 31-Oct 0.30 1.46 1-Nov 0.44 3.75 1-Nov 0.30 1.46 1-Nov 0.37 2.48 1-Nov 0.35 2.16 1-Nov 0.28 1.23 2-Nov 0.43 3.62 2-Nov 0.30 1.46 2-Nov 0.36 2.32 2-Nov 0.30 1.46 2-Nov 0.28 1.23 3-Nov 0.43 3.62 3-Nov 0.33 1.86 3-Nov 0.34 2.01 3-Nov 0.32 1.72 3-Nov 0.27 1.11																
2-Nov 0.43 3.62 2-Nov 0.30 1.46 2-Nov 0.36 2.32 2-Nov 0.30 1.46 2-Nov 0.28 1.23 3-Nov 0.43 3.62 3-Nov 0.33 1.86 3-Nov 0.34 2.01 3-Nov 0.32 1.72 3-Nov 0.27 1.13														31-Oct		
3-Nov 0.43 3.62 3-Nov 0.33 1.86 3-Nov 0.34 2.01 3-Nov 0.32 1.72 3-Nov 0.27 1.12																
			0.43	3.62	2-Nor	0.30	1.46	2-Nov	0.36	2.32	2-Nov					1.23
4-NOV 0.45 5.52 4-NOV 0.44 5.75 4-NOV 0.37 Z.48 4-NOV 0.34 Z.01 4-NOV 0.3Z 1.7Z	2-No					_	_		_							
	2-Nov 3-Nov	Α.	0.43	3.62	3-Not											

1989	H	Q	1990	H	Q	os River (a 1991	H	Q	1992	H	Q	1993	H	iterpo Q
	0.40	3.02			2.65		0.37	2.48	5-Nov	0.41	3.21		0.30	1.46
6-Nov	0.41	3.21			2.01		0.37	2.48	6-Nov	0.40	3.02		0.30	1.46
7-Nov	0.40	3.02	7-Nov		2.16		0.37	2.48	7-Nov	0.39	2.83		0.31	1.59
8-Nov	0.36	2.32	8-Nov		2.65		0.40	3.02	8-Nov	0.37	2.48		0.29	1.35
9-Nov	0.37	2.48	9-Nov		2.01		0.39	2.83	9-Nov	0.36	2.32	9-Nov	0.35	2.16
10-Nov	0.36	2.32	10-Nov		2.65	10-Nov	0.39	2.83	10-Nov	0.34	2.01	10-Nov	0.34	2.01
11-Nov	0.39	2.83	11-Nov		2.48	11-Nov	0.36	2.32	11-Nov	0.34	2.01		0.39	2.83
12-Nov	0.37	2.48	12-Nov	0.36	2.32	12-Nov	0.35	2.16	12-Nov	0.34	2.01		0.35	2.16
13-Nov	0.37	2.48	13-Nov		2.01	13-Nev	0.34	2.01	13-Nov	0.34	2.01		0.31	1.59
14-Nov	0.40	3.02	14-Nov	0.33	1.86	14-Nov	0.33	1.86	14-Nov	0.34	2.01	14-Nov	0.30	1.46
15-Nov	0.36	2.32	15-Nov	0.33	1.86	15-Nov	0.33	1.86	15-Nov	0.36	2.32	15-Nov	0.30	1.46
16-Nov	0.34	2.01	16-Nov	0.30	1.46	16-Nov	0.34	2.01	16-Nov	0.38	2.65	16-Nov	0.30	1.46
17-Nov	0.36	2.32	17-Nov	0.30	1.46	17-Nov	0.33	1.86	17-Nov	0.39	2.83	17-Nov	0.30	1.46
18-Nov	0.40	3.02	18-Nov	0.30	1.46	18-Nov	0.31	1.59	18-Nov	0.37	2.48	18-Nov	0.30	1.46
19-Nov	0.39	2.83	19-Nov	0.30	1.46	19-Nov	0.31	1.59	19-Nov	0.34	2.01	19-Nov	0.29	1.35
	0.39	2.83	20-Nov	0.30	1.46	20-Nov	0.30	1.46	20-Nov	0.34	2.01	20-Nov	0.27	1.12
20-Nov				0.30	1.46	21-Nov	0.34	2.01	21-Nov	0.35	2.16	21-Nov	0.27	1.12
21-Nov	0.36	2.32	21-Nov					2.83	22-Nov	0.30	1.46	22-Nov	0.27	1.12
22-Nov	0.36	2.32	22-Nov	0.28	1.23	22-Nov	0.39			0.30	1.16	23-Nov	0.27	1.12
23-Nov	0.37	2.48	23-Nov	0.27	1.12	23-Nov	0.37	2.48	23-Nov		1.59	24-Nov	0.27	1.12
24-Nov	0.52	5,01	24-Nov	0.27	1.12	24-Nov	0.35	2.16	24-Nov	0.31		25-Nov	0.26	1.0
25-Nov	0.46	4.05	25-Nov	0.26	1.02	25-Nov	0.34	2.01	25-Nov	0.30	1.46		0.25	0.9
26-Nov	0.47	4.20	26-Nov	0.26	1.02	26-Nov	0.32	1.72	26-Nov	0.30	1.46	26-Nov		
27-Nov	0.43	3.62	27-Nov	0.26	1.02	27-Nov	0.30	1.46	27-Nov	0.34	2.01	27-Nov	0.26	1.0
28-Nov	0.40	3.02	28-Nov	0.29	1.35	28-Nov	0.30	1.46	28-Nov	0.31	1.59	28-Nov	0.25	0.9
29-Nov	0.38	2.65	29-Nov	0.30	1.46	29-Nov	0.30	1.46	29-Nov	0.30	1.46	29-Nov	0.24	0.8
30-Nov	0.38	2.65	30-Nov	0.29	1.35	30-Nov	0.30	1.46	30-Nov	0.32	1.72	30-Nov	0.24	0.8
1-Dec	0.37	2.48	1-Dec	0.64	7.18	1-Dec	0.30	1.46	1-Dec	0.34	2.01	1-Dec	0.39	2.8
2-Dec	0.34	2.01	2-1)ec	0.46	4.05	2-Dec	0.30	1.46	2-Dec	0.30	1.46	2-Dec	0.37	2.4
3-Dec	0.34	2.01	3-Dec	0.40	3.02	3-Dec	0.29	1.35	3-Dec	0.30	1.46	3-Dec	0.32	1.7
4-Dec	0.34	2.01	4-Dec	0.27	1.12	4-Dec	0.30	1.46	4-Dec	0.32	1.72	4-Dec	0.27	1.17
5-Dec	0.32	1.72	5-Dec	0.26	1.02	5-Dec	0.30	1.46	5-Dec	0.30	1.46	5-Dec	0.26	1.0
6-Dec	0.34	2.01	6-Dec	0.26	1.02	6-Dec	0.29	1.35	6-Dec	0.32	1.72	6-Dec	0.35	2.1
7-Dec	0.36	2.32	7-Dec	0.26	1.02	7-Dec	0.29	1.35	7-Dec	0.34	2.01	7-Dec	0.32	1.7
8-Dec	0.36	2.32	8-Dec	0.27	1.12	8-Dec	0.28	1.23	8-Dec	0.30	1.46	8-Dec	0.32	1.7
9-Dec	0.36	2.32	9-Dec	0.27	1.12	9-Dec	0.29	1.35	9-Dec	0.30	1.46	9-Dec	0.30	1.4
10-Dec	0.37	2.48	10-Dec	0.26	1.02	10-Dec	0.27	1.12	10-Dec	0.30	1.46	10-Dec	0.29	1.3
11-Dec	0.36	2.32	11-Dec	0.37	2.48	11-Dec	0.27	1.12	11-Dec	0.28	1.23	11-Dec	0.27	1.1
12-Dec	0.37	2.48	12-Dec	0.58	6.05	12-Dec	0.27	1.12	12-Dec	0.27	1.12	12-Dec	0.27	1.1
13-Dec	0.35	2.16	13-Dec	0.48	4.36	13-Dec	0.27	1.12	13-Dec	0.27	1.12	13-Dec	0.28	1.2
14-Dec	0.35	2.16	14-Dec	0.40	3.02	14-Dec	0.27	1.12	14-Dec	0.27	1.12	14-Dec	0.35	2.1
15-Dec	0.33	1.86	15-Dec	0.33	1.86	15-Dec	0.27	1.12	15-Dec	0.29	1.35	15-Dec	0.27	1.3
16-Dec		1.86	16-Dec	0.33	1.86	16-Dec	0.29	1.35	16-Dec	0.29	1.35	16-Dec	0.29	1
17-Dec			17-Dec	0.30	1.46	17-Dec	0.35	2.16	17-Dec	0.29	1.35	17-Dec	0.30	1.4
18-Dec	0.37	2.48	18-Dec	0.30	1.46	18-Dec	0.27	1.12	18-Dec	0.28	1.23	18-Dec	0.24	0.
19-Dec			19-Dec	0.39	2.83	19-Dec	0.28	1.23	19-Dec	0.27	1.12	19-Dec	0.24	0.3
20-Dec			20-Dec		2.01	20-Dec	0.28	1.23	20-Dec	0.28	1.23	20-Dec	0.24	0.
21-Dec			21-Dec			21-Dec			21-Dec	0.32	1.72	21-Dec	0.27	ı.
22-Dec											1.59	22-Dec	0.25	0.
23-Dec														
24-Dec		3.02												
25-Dec											1.46			
											1.46			
24 D	0.49				1.35									
26-Dec					1.33	Z. (*1 PCC	U.∠0	1.02	C ("LASC	, v.j.		21.11.0	V. Z 3	
27-Dec								1 44	70 11				0.24	6
27-Dec 28-Dec	0.43	3.21	28-Dec	0.29	1.35	28-Dec	0.26			0.31	1.59	28-Dec		
27-Dec	0.46	3.21 3.02	28-Dec 29-Dec	0.29	1.35	28-Dec 29-Dec	0.26 0.26	1.02	29-Dec	0.35	1.59 1.46	28-Dec 29-Dec	0.23	0.

Daily Mean	Water	Level and	How at	111A14	on Awa	ch River (u	mit: H=	m, Q⊤r	n3/s) "	• " đen	otes estir	nated val	ue by in	terpolati	on	
1974	H	Q		ĸ	Q	1976		Q	1977		Q	1978	Н	Q	1979 H	Q
	0.16		l-Jan			1-Jan			1-Jan			1-Jan		0.62	1-Jan 0.3	
2-Jan		0.19			0.28 0.22	2-Jan (		).66			0.34 0.45	2-Jan 3-Jan		0.62 0.62	2-Jan 0.3 3-Jan 0.2	
		0.34 0.19	3-Jan 4-Jan		0.22	3-Jan ( 4-Jan *(		).86 ).57			4.48			0.57	4-Jan 0.2	
	0.22	0.41	5-Jan		0.22	5-Jan		0.31			0.92	5-Jan		0.53	5-Jan 0.2	
6-Jan	*0.22	0.41	6-Jan	0.15	0.19	6-Jan	0.18	0.28	6-Jan	0.28	0.66	6-Jan	0.25	0.53	6-Jan 0.2	
	0.22	0.41	7-Jan		0.19			0.71	-		1.03	7-Jan		0.49	7-Jan *0.2	
8-Jan		1.03	8-Jan		0.19			0.41			1.03	8 Jan		0.49	8-Jan 0.2 9-Jan 0.2	
9-Jan 10-Jan	0.34	0.97 0.62	9-Jan 10-Jan		0.19	9-Jan 10-Jan		0.38 0.38	9-Jan * 10-Jan		0.86 0.71			0.45 0.41	9-Jan 0.2 10-Jan 0.2	
11-Jan	0.20	0.34	11-Jan	0.19	0.31	11-Jan +		0.49			0.53			0.41	11-Jan 0.2	
	0.19	0.31	12-Jan		0.38	12-Jan		0.62			0.45	12-Jan		0.66	12-Jan 0.2	3 0.45
13-Jan	•0.20	0.34	13-Jan	0.23	0.45		0.21	0.38	13-Jan	0.22	0.41	13-Jan	0.24	0.49	13-Jan 0.2	
14-Jan		0.34	14-Jan		0.31			0.31	14-Jan		0.38	14-Jan		0.45	14-Jan *0.2	
15-Jan	0.20	0.34		0.18	0.28			0.28	15-Jan		0.49	15-Jan		0.66 0.97	15-Jan 0.2 16-Jan 0.2	
16-Jan 17-Jan	0.18	0.28 0.28	16-Jan 17-Jan		0.22 0.22			0.25 0.22	16-Jan + 17-Jan		0.41	16-Jan 17-Jan		1.83	10-Jan 0.2	
18-Jan	0.16		18-Jan		0.19	18-Jan *		0.22	18-Jan		1.15	18-Jan	0.40	1.34	18-Jan 0.3	
19-Jan	0.15	0.19	19-Jan		0.19	19-Jan		0.19			0.66	19-Jan		1.09	19-Jan 0.2	21 0.38
20-Jan	*0.15	0.19	20-Jan	0.14	0.17	20-Jan	0.15	0.19	20-Jan	0.24	0.49	20-Jan	0.70	4.01	20-Jan 0.2	
	0.14	0.17	21-Jan	0.15	0.19	21-Jan		0.17	21-Jan		0.41	21-Jan		1.76	21-Jan *0.3	
22-Jan					0.92	22-Jan		0.17	22-Jan		0.38	22-Jan		1.61	22-Jan 0.3	
23-Jan 24-Jan		0.15	23-Jan 24-Jan		0.31 0.22	23-Jan 24-Jan		0.17 0.15	23-Jan 9 24-Jan		0.34	23-Jan 24-Jan		1.47 1.27	23-Jan 0.1 24-Jan 0.1	
25-Jan	0.12		25-Jan		0.19	25-Jan •		0.15	25-Jan				0.36	1.09	25-Jan 0.1	
26-Jan	0.11	0.11	26-Jan			26-Jan		0.15	26-Jan			26-Jan		0.97	26-Jan 0.	
27-Jan	•0.11	0.11	27-Jan	0.14	0.17	27-Jan	0.12	0.13	27-Jan	0.20	0.34	27-Jan	0,31	0.81	27-Jan 0.1	
2 <b>8-J</b> an	0.12	0.13	28-Jan		0.34	28-Jan		0.13	28-Jan			28-Jan		0.76	28-Jan *0.	
29-Jan	0.12	0.13	29-Jan		0.22	29-Jan		0.13	29-Jan			29-Jan		0.76	29-Jan 0. 30-Jan 0.	
30-Jan 31-Jan	0.11	0.11 0.11	30-Jan 31-Jan	0.16	0.22 0.22	30-Jan 31-Jan		0.11	30-Jan 31-Jan		0.49	30-Jan 31-Jan		0.71 0.62	30-Jan 0. 31-Jan 0.	
1-Feb	0.12	0.13	1-Feb	0.16	0.22	1-Fcb 4		0.13		0.27	0.62	1 Feb	0.26	0.57		24 0.49
2-Feb	0.11	0.11	2-Feb		0.19			0.11	2-Feb		0.86	2-Feb	0.25	0.53	2-Feb 0.	26 0.57
3-Feb	+0.11	0.11	3-Fcb	0.15	0.19			0.13	3-Fcb	0.26	0.57	3-Feb	0.25	0.53		26 0.57
4-Feb		0.11	4-Feb		0.22			0.13			1.47	4-Feb	0.24	0.49	4-Feb *0.	
5-Feb	0.11	0.11	5-Feb 6-Feb	0.14	0.17	5-Feb		0.22	5-Feb		0.86	5-Feb		0.49	5-Feb 0. 6-Feb 0.	27 0.62 41 1.40
6-Feb 7-Feb	0.12		7-Feb	0.13	0.15 0.15			0.34 0.81	6-Feb 7-Feb	0.45	1.27 1.68	6-Feb 7-Feb	0.23	0.45 0.45		46 1.76
8-Feb			8-Fcb	0.26		8-Feb		0.38	8-Feb	0.40	1.34	8-Feb	0.22	0.41		29 0.71
9-Feb				*0.22			0.11	0.11	9-Feb	0.33	0.92	9-Fcb	0.21	0.38		36 1.09
10-Feb	•0.10	0.09	10-Fcb	*0.18	0.28	10-Feb	0.15	0.19	10-Feb	0.29	0.71	10-Feb	0.21	0.38	10-Fcb 0	
11-Feb		0.07	11-Feb			11-Feb	0.14	0.17	11-Feb	0.27	0.62	11-Fcb	0.23	0.45	11-Feb *0.	
12-Feb			12-Feb		1.47	12-Feb	0.20	0.34	12-Feb	0.26	0.57	12-Feb		0.45		.92 6.87 .70 4.01
13-Feb 14-Feb			13-Feb 14-Feb		0,45 2.32	13-Feb 14-Feb	0.15 0.21	0.19 0.38	13-Feb 14-Feb	0.22	0.49 0.41	13-Feb		0.41	13-Feb 0 14-Feb *0	
15-Feb			15-Feb			15-Feb		0.31	15-Feb	0.30	0.76	15-Feb	0.21	0.38		.66 3.58
16-Feb			16-Feb				0.17	0.25	16-Feb	0.23	0.45	16-Feb		0.76	16-Feb 0	
17-Feb	*0.12	0.13	17-Feb			17-Feb	0.17	0.25	17-Feb	0.20	0.34	17-Feb	0.25	0.53	17-Feb 0	.65 3.47
		0.15	18-Feb			18-Fcb			18-Feb		0.38		0.23		18-Feb *0	
		0.15	19-Feb 20-Feb			19-Fcb			19-Fcb 20-Fcb				40.31 0.39		19-Feb 0 20-Feb 0	
	0.10	0.11	21-Fcb			20-Fcb 21-Fcb			20-Fcb				0.39		20-Feb 0	
	0.10		22-Feb			22-Feb			22-Fcb		0.66		0.25		22-Feb 0	
23-Fet	0.09		23-Feb			23-Feb			23-Feb		0.66		0.71		23-Fcb 0	
	•0.09		24-Feb			24-Feb			24-Feb				0.40		24-Fcb 0	
25-Fet			25-Feb			25-Feb			25-Feb		0.49		0.41		25-Feb *0	
26-Feb 27-Feb				0.13		26-Feb 27-Feb			26-Feb 27-Feb				*0.61 0.82		26-Feb 0 27-Feb 0	
	5 0.07			0.15			0.12		28-Feb				0.66			60 2.96
	r 0.01				0.17	1-Mar				0.21			0.60			.55 2.50
2-Ma	r 0.1	0.13	2-Mai	*0.13	0.15	2-Mar				0.20		2-Mai	0.66	3.58	2-Mar *6	1.99
	г •0.2.				0.13	3-Mar				0.19			0.54			1.54
		2 0.86			0.13		0.12			0.19			0.50			0.40 1.34
		5 0.53 0 0.34			0.17		0.11 0.11				0.28 0.38		*0,48 0.46			0.36 1.09 0.36 1.09
		5 0.19			0.23		*0.11				0.49		0.40			0.34 0.97
		3 0.15			0.28		0.11				1.99		0.45			0.32 0.86
		2 0.13			0.31		0.10				3.16		r 0.62			0.32 0.86
		2 0.13			0.34	_ 10-Mar			10-Mar					6.02		0.32 0.86
		2 0.13			0.22	11-Mar			11-Mar				r •0.86			0.35 1.03
	ac 0.1 ac 0.1				0.17	12-Mar			12-Mar					6.15 6.29	12-Mar 13-Mar	0,37 1.15 0.41 1.40
	ar 0.1 ar 0.1			r 0.13 or 0.13	0.15 0.15	13-Mar 14-Mar			13-Mar 14-Mar		0.97			6.29	13-Mar	
	ar 0.1				0.38	15-Mac					0.71		r 0.80			0.39 1.27
	ar 0.0				9 0.31	16-Mar					0.62		r 0.7i		16-Mar	0.62 3.16
		9 0.07			8 0.28	17-Mar					0.53			4.48		0.44 1.61
18-M	ar 0.0	0.07	18-Ma	и 0.3	8 1.2t	18-Mar	0.07	0.04	18-Mai	0.25	0.53	18-Ma	o 0.73	2 4.24	18-Mar *	0.48 1.91

-			nd Flow at														
1974 19-Mar		Q 0.38	1975 19-Mar		Q 0.76	1976 19-Mar		Q n no	1977 19-Mar		Q nas	1978 19-Mar 1		Q 4 13	1979 19-Mar		Q 2.15
20-Mar			20-Mar			20-Mar			20-Mar			20-Mar			20-Mar		3.47
21-Mar	0.15	0.19	21-Mar			21-Mar	•0.13	0.15	21-Mar			21-Mac	0.63		21 Mar		2.68
22-Mar			22-Mar			22-Mar		0.28	22-Mar		0.81	22-Mar		4.01	22-Mar		
23-Mar 24-Mar			23-Mar ( 24-Mar	1		23-Mar 24-Mar			23-Mar 24-Mar		0.66	23-Mar 24-Mar		3.37 4.84	23-Mar 24-Mar		1.83 1.61
25-Mar			25-Mar			25-Mar			25-Nfar		0.57	25-Mar			25-Mar		1.61
26-Mar			26-Mae	4		26-Mar		0.92	26-Mar		1.09	26-Mar		5.61	26-Mar		
27-Mar			27-Mar			27-Mar			21-Mar 28-Mar		1.27	27-Mas			27-Mar		1.34
28-Mar 29-Mar			28-Mar 29-Mar			28-Mar 29-Mar			29-Mar		1.47 1.09	28-Mar 29-Mar		4.13 3.79	28-Mar 29-Mar		1.47
30-Mar			30-Mar			30-Mar			30-Mar		1.34	30-Mar		3.68	30-Mar		
31-Mar			31-Mar			31-Mar			31-Mar			31-Mar		3.06	31-Mar		1.21
	0.44 0.58		1-Apr 2-Apr			-	*0.13 *0.13		1-Apr 2-Apr		1.83	1-Apr 2-Apr		2.77 3.06	1-Apr 2-Apr	0.35	
-	0.73		3-Apr			-	*0,13		3-Apr			3-Арг		3.37	-	0.35	
-	0.70		4-Apr			-	*0.13		4-Apr			4-Apr			_	0.33	
-	0.52 0.47		5-Apr 6-Apr			-	*0.13 0.13		-	0.63 0.97		5-Apr 6-Apr		4.72	_	0.32	
•	+0.51		7-Apr			-		0.17	0-Арг 7-Арг			7-Apr		4.01 3.26	-	0.37	
-	0.55		8-Apr	0.18	0.28	•	0.17			•1.14		8-Apr		3.06	•	•0.48	
•	0.70		9-Apr			-	0.24	0.49	9-Apr			9-Apr		4.01	-	0.57	
10-Apr 11-Apr			10-Apr 11-Apr			10-Apr 11-Apr			10-Apr 11-Apr			10-Apr 11-Apr		5.22 8.09	10-Apr 11-Apr		
12-Apr			12-Apr			12-Apr		3.37	12-Apr			12-Apr		6.58	12-Apr		
13-Apr			13-Apr		1,40	13-Apr		1.03	13-Apr			13-Apr		5,74	13-Apr		
14-Apr 15-Apr			14-Apr			14-Apr			14-Apr		5.74	14-Apr		5.88	14-Apr		
16-Apr			15-Apr 16-Apr		3.47 3.79	15-Apr 16-Apr		0.76	15-Apr 16-Apr	0.74		15-Apr 16-Apr		4.97 4.36	15-Apr 16-Apr		1.91
17-Apr			-	0.77	4.84	17-Apr		0.76	17-Арг			17-Apr		3.79	17-Apr		
18-Apr			18-Apr		3.37	18-Apr			18-Арг			18-Apr		3.47	18-Apr		
19-Apr 20-Apr	0.48		19-Apr 20-Apr		2.59 2.24	19-Apr 20-Apr	0.46	1.34	19-Apr 20-Apr				0.63	3.26 2.87	19-Apr 20-Apr		
-	+0.50		21 Apr		1.91	21-Apr		0.76	21-Apr			-	0.56		21-Apr		
22-Apr			22-Apr		1.76	22-Apr		0.66	22-Apr			22-Apr		2.41	22-Apr		1.40
-	0.43		23-Apr 24-Apr		5.09	23-Apr		0.76 5.35	23-Apr 24-Apr			23-Apr		2 24 2.07	23-Apr 24-Apr		
-	0.42		•	0.60	2.96	24-Apr 25-Apr		3.79	25-Apr			24-Apr 25-Apr		1.91	25-Apr		
•	0.40		26-Apr		3.58	26-Apr		2.41	26-Арг			26-Apr		2.24	26-Apr		1.21
	0.38		27-Apr		2.87	27-Арг		1.68	27-Apr			-	0.48	1.91	27-Apr		
	*0.36 0.34		28-Apr 29-Apr		2.15	28-Apr 29-Apr	0.39	1.27	28-Apr 29-Apr			28-Apr 29-Apr		1.91 1.68	28-Apr 29-Apr		1.21 1.15
30-Apr	0.40	1.34	30-Apr		1.68	•	0.30	0.76	30-Apr			30-Apr		2.68	30-Apr		
	*0.38		I-May		1.47		•0.29		1-May			1-May		4.01	1-May		
•	0.37		2-May 3-May		1.27		+0.28 0.27	0.66	2-May 3-May			2-May 3-May		5.48 4.60	2-May	0.38	1.21 1.09
	0.34		4-May				0.29				4.24	4-May			•	0.34	
	*0.33		5-May				0.21				3.58	5-May			5-May		
_	0.32		6-May 7-May		1.21		0.34		6-May 7-May			6-May 7-May			6-May 7-May		
-	0.40		8-May				0.60		8-May			8-May			8-May		
•	0.47		9-May				*0.45	1.68	9-May			9-May			9-May		1.34
10-May			10-May 11-May			10-May			10-May			10-May 11-May			10-May 11-May		
11-May 12-May			12-May			11-May 12-May			11-May 12-May			12-May			12-May		
13-May			13-May			13-May			13-May			13-May			13-May		
14-May				*. *	1.27	•			14-May			14-May			14-May		-
15-May 16-May			15-May 16-May		1.09	15-May 16-May			15-May 16-May			15-May 16-May			15-May 16-May		
17-May					1.83	17-May			17-May			17-May			17-May		
18 May			-		1.40	18-May			18-May			18-May			18-May		
19-May 20-May						19-May 20-May			19-May 20-May			19-May 20-May			19-May 20-May		
21-Ma)					1.40	-			-			21-May			21-May		
22-Ma <sub>3</sub>	0.40	1.34			1.21	22-May	0.55	2.50	22-May			22-May	*0.75	4.60	22-May		
23-Ma)			-		1.91	23-May			. •		1.61	23-May			23-May		
24-May 25-May			-			-			24-May 25-May			24-May 25-May			24-May 25-May		
-	y +0.42					26-May			26-May			26-May			26-May		
-	y <b>0.4</b> 0		•			27-May			27-May			27-May			27-May		
-	y 0.38 y 0.35					28-Maj 29-Maj			28-May		3 1.99 3 2.77	28-May 29-May			28-May 29-May		
	y 0.33 y 0.41					29-Ma) 30-Ma)			29-May 30-May			29-May 30-May			29-May 30-May		
31-Ma	y 0.43	1.54	31-May			31-May	0.36	1.09	31-May	0.70	4.01	31-May	0.50	2.07	31-May	* *0.35	1.03
	n *0.39								1-Jun					1.91	1-Ju:		
	n *0.36 n -0.32				1.54 1.47		0.40				2 2.24 0 2.07			1.68			0.97
			2.541			J 214				*1		_ = ===	~, 10				
			:					17									
			•														
												•					

Daily Mean Water	Level an	J Flow at 11	IA14 on Awa	och River (unit: H	rm, Q≕	กเริ/ร) ***	denotes est	imated value by i	nterpolat	ion	
1974 H	Q	1975 1	-	1976 H	Q	1977 H	Q	1978 II	Q	1979 H. Q	
4-Jun 0.41	1.40		.40 1.34	4-Jun 0.33	0.92	4-Jun 0.4		4-Jun +0.45	1.68	4-Jun 0.33 0.9 5-Jun 0.46 1.1	
5-Jun 0.38 6-Jun 0.35	1.21 1.03		.40 1.34 .37 1.15	5-Jun 0.38 6-Jun *0.38	1.21 1.21	5-Jun *0,45 6-Jun 0.5		5-Jun 0.43 6-Jun 0.43	1.54 1.54	5-Jun 0,46 1.1 6-Jun 0.38 1.1	
7-Jun 0.39	1.27		.41 1.40	7-Jun 0.37	1.15	7-Jun 0.6		7-Jun 0.43	1.54	7-Jun 0.35 1.0	03
8-Jun 0.42	1.47	8-Jun *0.		8-Jun 0.35	1.03	8-Jun 0.5		8-Jun 0.45	1.68	8-Jun 0.50 2.0	
9-Jun *0,40 10-Jun 0,38	1.34 1.21		.35 1.03 .37 1.15	9-5un 0.45 10-Jun 0.38	1.68 1.21	9-Jun 0.5 10-Jun 0.6		9-Jun 0.43 10-Jun 0.43	1.54 1.54	9-Jun 0.42 1.4 10-Jun *0.44 1.4	
11-Jun 0.34	0.97		.35 1.03	11-Jun 0.37	1.15	11-Jun 0.5		11-Jun *0.46	1.76	11-Jun 0.46 1.	
12-Jun 0.31	0.81		.38 1.21	12-Jun 0.33	0.92	12-Jun +0.5		12-Jun 0.49	1.99	12-Jun 0.42 1.	
13-Jun 0.35	1.03		.44 1.61	13-Jun *0.35	1.03	13-Jun 0.5	-	13-Jun 0.42	1.47	13-Jun 0.40 1	
14-Jun 0.31 15-Jun 0.30	0.81 0.76	14-Jun 0. 15-Jun +0.	.47 1.83 .43 1.54	14-Jun 0.37 15-Jun 0.37	1.15 1.15	14-Jun 0.5 15-Jun 0.6		14-Jun 0.41 15-Jun 0.41	1.40 1.40	14-Jun 0,40 1.1 15-Jun 0.46 1.1	
16-Jun *0.36	1.09		38 1.21	16-Jun 0.37	1.15	16-Jun 1.0		16-Jun 0.41	1.40	16-Jun 0.42 1	
17-Jun 0.41	1.40		.37 1.15	17-Jun 0.39	1.27	17-Jun 1.0		17-Jun 0.40	1.34		40
18-Jun 0.33 19-Jun 0.31	0.92 0.81		0.38 1.24 0.35 1.03	18-Jun 0.36 19-Jun 0.35	1.09	18-Jun 0.9 19-Jun *0.9		. 18-Jun *0.40 19-Jun - 0.39	1.34 1.27	18-Jun 0.39 1. 19-Jun 0.62 3.	
20-Jun 0.31	0.81		1.57 2.68	20-Jun *0.33	0.92	20-Jun *0.8		20-Jun 0.38	1.21		07
21-Jun 0.45	1.68		.58 2.77	21-Jun 0.31	0.81	21-Jun *0.8		21-Jun 0.38	1.21		76
22-Jun 0.40	1.34	22-Jun *0		22-Jun 0.30	0.76	22-Jun 0.7		22-Jun 0.38	1.21		47
23-Jun *0.50 24-Jun 0.61	2.07 3.06		).50 2.07 ).47 1.83	23-Jun 0.28 24-Jun 0.32	0.66 0.86	23-Jun 0.6 24-Jun 0.6		23-Jun 0.36 24-Jun 0.34	1.09 0.97		34 21
25-Jun 0.57	2.68		1.44 1.61	25-Jun 0.28	0.66	25-Jun 0.5		25-Jun *0.36	1.09		09
26-Jun 0.53	2.32		),43 1.54	26-Jun 0.37	1.15	26-Jun *0.5	5 2.50		1.15		97
27-Jun 0.70	4.01		).43 1.54	27-Jun *0.32	0.86	27-Jun 0.5			1.03		15
28-Jun 0.60 29-Jun 0.60	2.96 2.96	28-Jun 0 29-Jun 0	0.40 1.34 0.40 1.34	28-Jun 0.27 29-Jun 0.26	0.62 0.57	28-Jun 0.5 29-Jun 0.5		28-Jun 0.38 29-Jun 0.50	1.21 2.07		09 03
30-Jun *0.59	2.87		0.40 1.34	30-Jun 0.24	0.49	30-Jun 0.6		30-Jun 0.37	1.15		09
1-34 0.58	2.77		).37 1.15	1-Jul *0.24	0.49	1-Jul 0.5		1 Jul 0.42	1.47		.54
2-Jul 0.60	2.96		0.35 1.03	2-Jul *0.25	0.53	2-Jul 0.5		2-Jul *0.39	1.27		07 .77
3-Jul 1.00 4-Jul 0.75	8.09 4.60		0.34 0.97 0.33 0.92	3-Jul +0.25 4-Jul +0.26	0.53 0.57	3-Jul *0.5 4-Jul 0.6		3-Jul 0.36 4-Jul 0.47	1.09 1.83		.76
5-Jul 0.83	5.61		0.31 0.81	5-Jul +0.27	0.62	5-Jul 0.6		5-Jul 0.39	1.27	7	.68
6-Jul 0.82	5.48	6-Jul •0		6-Jul 0.27	0.62	6-Jul 0.5		6-Jul 0,35	1.03		.54
7-Jul *0.83 8-Jul 0.85	5.61 5.88		0.31 0.81 0.30 0.76	7-Jul 0.27 8-Jul 0.27	0.62 0.62	7-Jul 0.6 8-Jul 0.5		7-Jul 0.34 8-Jul 0.34	0.97 0.97		.68 .47
9-Jul 0.78	4.97		0.33 0.92	9-Jul 0.31	0.81	9-Jul 0.5		9-Jul *0.34	0.97		.27
10-Jul 0.93	7.02	10-มีป (	0.33 0.92	10-Jul 0.26	0.57	10-Jul *0.0	50 2.96	10-Jul 0,33	0.92	10-Jul 0.36 1	.09
11-Jul 0.83	5.61		0.31 0.81	11-Jul +0.27	0.62	11-Jul 0.7		11-Jul 0.33	0.92		.97
12-Jul 0.75 13-Jul 0.73	4.60 4.36	12-Jul ( 13-Jul *(	0.32	12-Jul 0.28 13-Jul 0.27	0.66 0.62	12-Jul 0.0 13-Jul 0.1		12-Jul 0.33 13-Jul 0.33	0.92 0.92		.97 .15
14-Jul *0.76			0.32 0.86	14-Jul 0.35	1.03	14-Jul 0.:		14-Jul 0.32	0.86		.09
15-Jul 0.79			0.30 0.76	15-Jul 0.29	0.71	15-Jul 0.5		15-Jul 0.32	0.86		.03
16-Jul 0.75 17-Jul 0.71	4.60 4.13		0.31 0.81 0.31 0.81	16-Jul 0.29 17-Jul 0.31	0.71 0.81	16-Jul 0.:		16-Jul +0.33	0.92 0.97		.97
18-Jul 0.67			0.29 0.71	18-Jul *0.32	0.86	17-Jul *0.: 18-Jul 0.:		17-Jul 0.34 18-Jul 0.33	0.92		.86
19-Jul 0.62			0.35 1.03	19-Jul 0.33	0.92	19-Jul 0.		19-Jul 0.30	0.76	and the second second	.97
20-Jul 0.61		20-Jul •		20-Jul 0.30	0.76	20-Jul 0.		20-Jul 0.29	0.71		.86
21-Jul *0.58 22-Jul 0.55		21-Jul ( 22-Jul (	0.43 1.54 0.36 1.09	21-Jul 0.27 22-Jul 0.25	0.62	21-Ման 0.։ 22-Ման 0.։		21-Jul 0.28 22-Jul 0.27	0.66		.81 .81
23-Jul 0.53		23-Jul (		23-Jul 0.28		23-Jul 0.		23-Jul *0.33			.76
24-Jul 0.55		24-วันใ	0.39 1.27	24-Jul 0.26	0.57	24-Jul +0.	46 1.76	24-Jul 0,38			.76
25-Jul 0.53		25-Jul		25-Jul +0.25		25-Jul 0.		25-Jul 0.33			0.76
26-Jul 0.57 27-Jul 0.51		26-Jul + 27-Jul +		26-Jul 0.24 27-Jul 0.23		26-Jul 0. 27-Jul 0.		26-Jul 0.30 27-Jul 0.30		•	).81 ).97
28-Jul +0.52		28-Jui		28-Jul 0.23		28-Jul +0.		28-Jul 0.29		28-Jul 0.33 0	
29-Jul 0.53		29-Jul		29-Jul 0.24		29-Jul 0.		29-Jul 0.28			
30-Jul 0.53 31-Jul 0.50		30-Jul 31-Jul		30-Jul 0.23		30-Jul 0.		30-Jul +0.29		30-Jul 0.30 0 31-Jul 0.30 0	
1-Aug 0.48		1-Aug		31-Jul 0.22 1-Aug *0.23		31-Jul *0. 1-Aug 0.		31-Jul 0.30 1-Aug 0.29		1-Aug 0.27 (	
2-Aug 0.46	3.76	2-Aug		2-Aug 0.23		2-Aug 0.		2-Aug 0.34		•	
3-Aug 0.46		3-Aug *		3-Aug 0.22			41 1.40		0.76		
4-Aug *0.43 5-Aug 0.40		4-Aug 5-Aug		4-Aug 0.21 5-Aug 0.21		4-Aug 0. 5-Aug 0.				; 5-Aug 0.26 (	
6-Aug 0.40		5-Aug 6-Aug		5-Aug 0.21 6-Aug 0.21		5-Aug 0. 6-Aug 0.		. •	4 4	6-Aug 0.26 (	
7-Aug 0.39	1.27	7-Aug	0.46 1.76	7-Aug 0.22	0.41	7-Aug 0		7-Aug 0.34	0.97	7-Aug 0.26 (	5.57
8-Aug 0.38		8-Aug		8-Aug *0.30		8-Aug 0.				8-Aug 0.30 (	
9-Aug 0.39 10-Aug 0.39		9-Aug	0.40 [.34 0.44 [.61	9-Aug 0.38 10-Aug 0.32		9-Aug 0. 10-Aug 0.		•		9-Aug 0.29 (	
11-Aug *0.4		-	0.47 1.83			II-Aug O		11-Aug 0.31		11-Aug 0.28 (	
12-Aug 0.4		12-Aug	0.41 1.40	12-Aug 0.27	0.62	12-Aug 0	32 0.86	12-Aug 0.30	0.76	12-Aug *0.38	1.21
13-Aug 0.40		13-Aug		13-Aug 0.26		13-Aug 0		•		13-Aug 0.47	
14-Aug 0.39 15-Aug 0.30		14-Aug 15-Aug	0.37 1.15 0.36 1.09	_		14-Aug *0 15-Aug 0		-		14-Aug 0.38 15-Aug 0.33 (	
16-Aug 0.3		•	0.55 2.50	_		16-Aug 0				16-Aug 0.32	
17-Aug 0.3		•	*0.72 4.24	17-Aug 0.40	1.34	17-Aug 0	.40 1.34	17-Aug 0.29	0.71	17-Aug 0.42	1.47
18-Aug *0.3 19-Aug 0.3		_	0.88 6.29			18-Aug 0		_		_	
13-Mug 0.3	• V.Y/	13-Aug	0.89 5.22	13-Aug 0.5	V.81	19-Aug 0	.33 0.92	13"Aug 0.2	, v./1	17-70g 0.33	V.)
					18	3		. :			

Daily Mean W	ater Le	vet and	I How at 1	HA14 c	n Awac	h River (u	nit: H=	m, Q÷n	n3's) "	* * den					n		
1974 11		3			Q	1976 1		Q		11	Q			Q ).66 2			Q 1.86
20-Aug 0. 21-Aug 0.			•			•			20-Aug 21-Aug			20-Aug *: 21-Aug			_		.76
_			•			22-Aug *0			•			•			-		,76
			•			_					0.86	23-Aug	0.30		-		.76
24-Aug 0.	30 0	.76	24-Aug *	0.67	3.68	24-Aug (	0.23		24-Aug			-					).71
25-Aug *0.			•						25-Aug	0.41					25-Aug *0 26-Aug */		).71 ).76
_			•			~		1	•	0.38 0.35		26-Aug 27-Aug •			26-Aug *( 27-Aug (		).76
-			27-Aug 28-Aug			•			27-Aug 28-Aug			_			-		3.86
29-Aug *0		1.21		-		29-Aug *(			29-Aug	0.52					_		0.76
· ·		1.47	30-Aug			_			30-Aug	0.44		30-Aug 4	0.32	0.86	30-Aug 🔭		0.76
31-Aug 0	.34 (	0.97	31-Aug	0.66	3.58	31-Aug (	0.31	0.81	31-Aug	0.41		31-Aug			31-Aug *		0.76
1-Sep *0		1.47	1-Sep	_	3.90	•		0.76	t-Sep	0.40	1.34	1-Sep		1.15	1-Sep		0.76 0.71
•		2.07	2-Sep		3.06	2-Sep		1.09	2-Sep	0.37	1.15	2-Sep 3-Sep		1.34 1.03	2-Sep 1		0.66
•		1.54 1.40	3-Sep 4-Sep		3.79 3.06	3-Sep   4-Sep		1.83 1.54	3-Sep 4-Sep	0.38 40.37	1.21 1.15	4-Sep		0.76		-	0.62
•		1.40	5-Sep		2.77	5-Sep *		1.54	5-Sep		1.03	5-Sep		0.16	•	0.26	0.57
•		1.27	6-Sep		2.96	6-Sep		1.54	-	0.33	0.92	6-Sep		0.71	•		0.53
7-Sep 0	.41	1.40	7-Sep	*0.57	2.68	7-Sep	0.38	1.21	7-Sep	0.43	1.54	7-Sep		0.66	•		0.53
8-Sep *0		1.34	8-Sep		2.32	8-Sep		1.21	8-Sep	0.37	1.15	8-Sep		0.62	•		0.53 0.57
•		1.27	9-Sep		2.07	9-Sep		0.97	9-Sep	0.40	1.34	9-Sep 10-Sep		0.66 0.71	9-Sep * 10-Sep		0.62
•		1.40 1.34	10-Sep 11-Sep	0.50 0.48	2.07 1.91	10-Sep 11-Sep		0.86 0.81	10-Sep 11-Sep	0.44	1.61 1.61	11-Sep		0.71	•		0.57
-		1.34	12-Sep	0.57	2.68	12-Sep 4		0.76	12-Sep		1.61	12-Sep		0.71	•		0.71
•		1.54	•	0.65	3,47	13-Sep		0.66	13-Sep	0.40	1.34	13-Sep		0.53	13-Sep	0.28	0.66
14-Sep (	0.41	1.40	14-Sep	*0.59	2.87	14-Sep	0.30	0.76	14-Sep	0.38	1.21	14-Sep		0.53	14-Sep		0.57
15-Sep *6	0.41	1.40	15-Sep		2.32	15-Sep		1.09	15-Sep	0.49	1.99	15-Sep		0.81	15-Sep		0.53 0.49
•		1.40	16-Sep		2.07	•	0.34	0.97	16-Sep		1.68	16-Sep 17-Sep	0.29 •0.28	0.71 0.66	16-Sep * 17-Sep		0.42
•		4.13 4.01	17-Sep 18-Sep	0.49 0.50	1.99 2.07	17-Sep 18-Sep		1.09 0.86	17-Sep 18-Sep		1.34 1.47	18-Sep		0.62	18-Sep		0.45
•		2.07	19-Sep	0.49	1.99	19-Sep		0.76	19-Sep		1.54	19-Sep		0.57	19-Sep		0.45
_	0.7L	4.13	20-Sep	0.50	2.07	20-Sep		0.66	20-Sep		1.27	20-Sep	0.25	0.53	20-Sep	0.22	0.41
21-Sep :	0.64	3.37	21-Sep	*0.48	1.91	21-Sep	0.26	0.57	21-Sep		1.54	21-Sep	0.23	0.45	21-Sep		0.45
22-Sep *		3.06	22-Sep		1.68	•	0.28	0.66	22-Sep	0.45	1.68	22-Sep		0.45	22-Sep		0.45
23-Sep *		2.68	23-Sep		1.68	23-Sep		0.57 0.53	23-Sep 24-Sep		1.34 1.21	23-Sep 24-Sep		0.62 1.09	23-Sep * 24-Sep		1.09
24-Sep 25-Sep		2.41 2.96	24-Sep 25-Sep		1.47 1.61	24-Sep 25-Sep	0.25	0.76	25-Sep		1.15	25-Sep		1.68	-	0.27	0.62
25-5cp 26-Sep		2.24	26-Sep		3.47	26-Sep		0.76	26-Sep			26-Sep	0.37	1.15	26-Sep	0.35	1.03
27-Sep		2.07	27-Sep		1.40	27-Sco		0.71	27-Sep		1.03	27-Ѕер	0.32	0.86	27-Sep	0.34	0.97
28-Sep	0.52	2.24	28-Sep	•0.41	1.40	28-Sep	*0.28	0.66	28-Sep			28-Sep	0.30	0.76	28-Sep	0.28	0.66
29-Sep		2.15	29-Sep		1.34	29-Sep		0.62	29-Sep			29-Sep		1.61	29-Sep 30-Sep		1.34 0.86
30-Sep		2.07	-	0.40	1.34	-	0.28	0.66	30-Sep 1-Oct			30-Sep	0.30 •0.30	0.76 0.76	1-Oct		0.49
1-Oct 2-Oct		2.07		0.39	1.27 1.21	1-Oct 2-Oct		0.53		*0.30		2-Oct		0.76	2-Oct		0.45
3-Oct		1.91		0.36	1.09	3-0ct		0.53	3-Oct			3-Oct		0.76	3-Oct	0.23	0.45
4-Oct		1.83		0.37	1.15	4-Oct		0.57	4-Oct	0.29	0.71	4-Oct	0.29	0.71	4-Oct		0.34
5-Oct	0.70	4.01	5-Oct	*0.40	1.34	5-Oct	0.30		5-Oct			5-Oct		0.62	5-Oct		0.45
6-Oct 1				0.42			0.28			0.28			0.27 0.26		6-Oct 7-Oct		0.66
7-Oct				0.40		7-Oct		0.53			0.57		+0.28		8-Oct		
8-Oct 9-Oct				1 *0.41 1 0.42				0.41			0.62		0.30		9-Oct		
10-Oct						10-00					0.62		0.30		10-Oct		
11-Oct				0.36		11-Oct					0.62		0.30		11-Oct		
12-Oct	0.47	1.83		t *0.37		12-Oct					0.57		0.28		12-Oct		
13-Oct				t 0.38		13-Oct					5 0.57		0.28		13-Oct 14-Oct		
14-Oct				0.48		14-Oct 15-Oct					7 0.62 3 0.92		*0.28		15-Oct		
15-Oct 16-Oct				t 0.49 t 0.44		15-Oct					0.76		0.28		16-Oct		
17-Oct				0.41		17-Oct					7 0.62		0.27		17-Oct		
18-Oct				€ 0.44				0.28	18-Oc	t 0.34	4 0.97		0.25		18-Oct		
19-Oct	0.37	1.13	19-Oc	t *0.44	1.61			0.28			8 0.66			0.49			
20-Oct				t *0.43				0.31			9 0.71			0.49			
21-Oct				1 0.43				0.31			0 0.76 0 0.76			0.49			0.28 0.28
22-Oct 23-Oct				:1 0.40 :1 0.43				0.28			1 0.81			0.57			0.28
23-0ct				1 0.40				0.31			2 0.86			0.49			0.28
25-Oct				1 0.39				0.31			2 0.86			0.66	25-Oct	0.16	0.22
26-Oct				t *0.37		26-Oct	0.21	0.38	26-O		0 0.76			0.66			0.28
27-Oct				et 0.35				0.25			8 0.66			0.57			0.28
28-Oct				et 0.33				0.22			7 0.62			0.62			0.28
29-Oct				ot 0.32				6 0.19			6 0.57 8 0.66			7 0.62 5 0.57			7 0.25 3 0.28
30-Oct 31-Oct				ct 0.33 ct 0.33				5 0.19 5 0.19			s 0.66			5 0.53			5 0.22
1-Nov				v 0.30				0.17			9 0.71			8 0.66			5 0.22
		0.76		v •0.30				3 0.15	2-No	ov 0.2	9 0.71	2-No	v 0.2	5 0.53	2-Nov		5 0.22
		0.8	1 3-No	ov 0.30	0.76	3-No	0.1	4 0.17	3-No		29 0.71			9 0.71			0.28
4-Nov	0.32	0.80	6 4-No	ov 0.25	9 0.71	4-No	0.2	1 0.38	4-No	ov 0.3	33 0.92	4-No	v 0.2	7 0.62	4-No	v +0.2-	0.49

Daily Mean	Water !	Level ac	id Flow at	HIAN	on Aw	ach River (unit: I	t∹m, Q	:m3/s) "	* dei	notes est	imated val	ue by is	nterpola	tion		
1974	Ħ	Q	1975	H	Q	1976 H	Q	1977	$\Pi$	Q	1978	H	Q	1979		Q
5-Nov	0.62	3.16	5-Nov	0.30	0.76	5-Nov 0,17	0.25	5-Nov	0.31	0.81	5-Nov	0.27	0.62	5-Nov	0.30	0.76
6-Nov	0.41	1.40	6-Nov	0.28	0.66	6-Nov 0.19	0.31	6-Nov	0.33	0.92	6-Nov	0.27	0.62	6-Nov	0.26	0.57
7-Nov	0.37	1.15	7-Nov	0.30	0.76	7-Nov *0.18	0.28	7-Nov	0.35	1.03	7-Nov	0.25	0.53	7-Nov	0.22	0.41
8-Nov	0.34	0.97	8-Nov	0.28	0.66	8-Nov 0.16	0.22	8-Nov	0.40	1.34	8-Nov	0.25	0.53	8-Nov	0.35	1.03
9-Nov	0.30	0.76	9-Nov	+0.28	0.66	9-Nov 0.16	0.22	9-Nov	0.33	0.92	9-Nov	0.24	0.49	9-Nov	0.48	1.91
10-Nov	0.32	0.86	10-Nov	0.27	0.62	10-Nov 0.18	0.28	10-Nov	0.32	0.86	10-Nov	0.23	0.45	10-Nov	0.40	1.34
II-Nov	0.33	0.92	11-Nov	0.28	0.65	11-Nov 0.20	0.34	11-Nov		0.76	11-Nov	0.23	0.45	11 Nov	•0.37	1.15
12-Nov		0.85	12-Nov		0.66	12-Nov 0.15	0.19	12-Nov		0.81	12 Nov	+0.29	0.71	12-Nov	0.34	0.97
13-Nov		0.81	13-Nov		0.62	13-Nov 0.14	0.17	13-Nov *		0.86	13-Nov		0.97	13-Nov	0.29	0.71
14-Nov		0.81	14-Nov		0.81	14-Nov *0.14	0.17	14-Nov		0.92	14-Nov		0.81	14-Nov		0.62
15-Nov		0.76	15-Nov		0.66	15-Nov 0.13	0.15	15-Nov		0.81	15-Nov		0.76	15-Nov		0.53
16-Nov		1.27	16-Nov		0.66	16-Nov 0.17	0.25	16-Nov		2.32	16-Nov		0.66	16-Nov		0.49
17-Nov			17-Nov			17-Nov 0.16		17-Nov		1.68	17-Nov		0.62	17-Nov		
18-Nov			18-Nov			18-Nov 0.15	0.19	18-Nov		1.68	18-Nov		0.53	18-Nov		0.45
19-Nov			19-Nov			19-Nov 0.18		19-Nov		3.16	19-Nov	•	0.76	19-Nov		0.41
20-Nov			20-Nov				0.22	20-Nov 1		2.87	20-Nov		1.09	20-Nov		0.45
21-Nov			21-Nov			21-Nov *0.20		21-Nov		2.50	21-Nov			21 Nov		0.45
22-Nov			22 Nov			22-Nov 0.24	0.49	22-Nov		2.24	22-Nov		0.76	22 Nov		0.49
23-Nov			23-Nov			23-Nov 0.19	0.31	23-Nov		2.77	23-Nov		0.66	23-Nov		0.53
23-Nov 24-Nov			24-Nov			24-Nov 0.21	0.38				24-Nov		0.62	24-Nov		0.53
24-Nov 25-Nov						25-Nov 0.39		24-Nov		3.79	25-Nov			25-Nov		0.62
25-Nov 26-Nov			25-Nov				1.27	25-Nov		3.37				26-Nov		0.57
		0.76	26-Nov			26-Nov 0.23	0.45	26-Nov		2.87	26-Nov					0.53
	0.30		27-Nov			27-Nov 0.20		27-Nov 1		2.87	27-Nov			27-Nov		
28-Nov			28-Nov 29-Nov			28-Nov *0.23		28-Nov		2.77	28-Nov		0.45	28-Nov		0.49 0.66
		0.53	30-Nov			29-Nov 0.25		29-Nov		2.41	29-Nov 30-Nov			29-Nov 30-Nov		0.86
30-Nov						30-Nov 0.27		30-Nov		2.07	1-Dec					1.09
	*0.23		1-Dec			1-Dec 0.25 2-Dec 0.59		1-Dec 2-Dec			2-Dec			1-Dec 2-Dec		1.21
3-Dec	0.23		2-Dec 3-Dec			3-Dec 0.32				1.76	3-Dec		0.38	3-Dec	0.39	1.27
4-Dec		0.41		0.22		4-Dec 0.26		3-Dec 4-Dec		1.47 1.40	4-Dec			4-Dec		1.03
5-Dec		0.45	5-Dec			5-Dec *0.24		5-Dec		1.40	5-Dec	0.21		5-Dec	0.31	0.81
6-Dec		0.45	6-Dec		1.34	6-Dec 0.22							0.34	6-Dec	0.30	0.76
		0.45	7-Dec			7-Dec 0.22		6-Dec		1.27	1-Dec	0.20	0.34	7-Dec	0.29	0.71
8-Dec		0.45	8-Dec			8-Dec 0.20		7-Dec 8-Dec		1.03	8-Dec	0.19	0.31	8-Dec	0.28	0.71
	0.22		9-Dec			9-Dec 0.18			0.35	1.03	9-Dec	0.19	0.34	9-Dec		0.66
		1.03												10-Dec		0.62
10-Dec			10-Dec			10-Dec 0.17		10-Dec		1.15	10-Dec					
11-Dec			11-Dec			11-Dec 0.17		11-Dec		1.09	11-Dec		0.28	11-Dec		0.57
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13-Dec		0.92	13-Dec			13-Dec *0.15		13-Dec			13-Dec	0.28	0.66	13-Dec		
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Daily Mean Water Level and Flow at HIA14 on Awach River (unit: H+m, Q+m3/s) ** * denotes estimated value by interpolation
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     16-Mar 0.17
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      17-Mar 0.15
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                                                                          18-Mar 0.44 1.61
                            18-Mar 0.30 0.76
                                                    18-Mar
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     18-Mar 0.14
                     0.17
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Daily Mean	Water	l evel an	d How at 1	IHA14	on Awa	ch River (	unit: H	m, Q≕ı									_
1980 19-Mar	H 0.13	Q 0.15		H 0.30	Q 0.76			Q 0.09	- 1983 19-Mar -		Q 1.47	1984 19-Mar		Q 0.09 .			Q 0.17
	0.12	0.13					7.7		20-Mar		1.34			0,09			0.19
	0.11	0.11				21-Mar			21-Mar		1.21			0.09			0.28 0.22
22-Mar 23-Mar	0.11 •0.13	0.11 0.15	22-Mar * 23-Mar						22-Mar 23-Mar		1.09 0.97			0.07 0.06	23-Mar *		0.34
	0.14	0.17						0.11	24-Mar	0.32	0.86	24-Mar		0.06	24-Mar *	0.23	0.45
25-Mar		0.15			3.16	25-Mar		0.09	25-Mar		0.76	25-Mar (		0.04 0.04	-		0.57 0.62
26-Mar 27-Mar	0.12 0.11	0.13 0.11			1.99 1.91	26-Mar 27-Mas 4		0.07 0.19	26-Mar 27-Mar		0.66 = 0.57	26-Mar 27-Mar		0.04			0.57
	0.12	0.13	28-Mar *		1.47	28-Mar (		0.38	28-Mar		0.49	28-Mar		0.04			1.61
29-Mar		0.09	29-Mar 9		1.09	29-Mar 30-Mar		0.57 0.34	29-Mar 30-Mar		0.41	29 Mar 30 Mar		0.04	29-Mar 30-Mar		0.92 1.68
30-Mar 31-Mar		0.17 0.28	30-Mar 1		0.76 0.49			0.28		0.20	0.34	30 Mar		0.06	31-Mar *		2.77
1-Apr	0.22	0.41	1-Apr	0.17	0.25	. •		0.13	1-Apr		0.45	1-Apr		0.06	1-Apr		4.01
2-Apr 3-Apr		0.31 0.25	•		0.19 0.22	•		0.57 0.28	2-Apr 3-Apr		0.57 0.41	2-Apr 3-Apr		0.06 0.66	2-Apr 3-Apr	0.52	3.58 2.24
4-Apr		0.25	-		0.41	4-Apr		0.49	4-Apr		0.28	4-Apr		0.53			1.61
5-Apr		0.22	5-Apr		2.96	5-Apr		0.76	5-Apr		0.19	5-Apr		0.28	•		1.34
6-Apr 7-Apr		0.28	6-Apr 7-Apr	0.98	7.78 6.29	6-Apr 7-Apr		0.41	6-Apr 7-Apr	0.15	0.19	6-Apr 7-Apr		0.15	6-Apr 7-Apr		1.34 2.68
8 Apr		0.41	•	0.88	6.29	8-Apr		0.41	8-Apr		0.17	8-Apr		0.34		0.50	2.07
9-Apr		3.90	•		5.09	9-Apr		0.31	9-Apr		0.17	9-Apr		0.45		0.72	4.24
10-Apr 11-Apr		1.68 1.03	10-Apr 11-Apr	0.78 0.76	4.97 4.72	10-Apr 11-Apr		0.19 0.17	10-Apr 11-Apr		0.19 0.19	10-Apr 11-Apr		0.53 0.28	•	0.81 0.66	5.35 3.58
12-Apr		0.97	12-Apr		4.48	12-Apr		0.15	12-Apr		0.19	12-Apr		0.41		1.12	
13-Apr		1.61	•	0.72	4.24	13-Apr		0.13	13-Apr		0.22	13-Apr		0.45	13-Apr	0.97	7.62
14-Apr 15-Apr		2.41 3.16	14-Apr 15-Apr	83.0 0.66	3.79 3.58	14-Apr 15-Apr		0.13 0.92	14-Apr 15-Apr		0.19 1.09	14-Apr 15-Apr		0.57 0.71	14-Apr 15-Apr	0.84 1.10	5.74 9.76
16-Apr		1.61		0.65	3.47	16-Apr		0.41	16-Apr		1.61	16-Apr		0.86	16-Арг	0.98	7.78
17-Apr		1.47	17-Apr		3.58	17-Apr		2.07	17-Apr		1.91	17-Apr		0.45	17-Apr	0.98	7.78
18-Apr 19-Apr		1.93 1.47	18-Apr 19-Apr		3.58 3.37	18-Apr 19-Apr		1.40 0.86	18-Apr 19-Apr		2.24	18-Apr 19-Apr		0.22	18-Apr 19-Apr	0.89 0.82	6.44 5.48
20-Apr		1 40	20-Apr		3.06	20- Apr		0.97	20-Apr		1.34	20-Apr		0.34	-	0.80	5.22
21-Apr			21-Apr		2.77	21-Apr		0.76	21-Apr		1.09	21-Apr		0.41	21-Apr	0.68	3.79 3.37
22-Apr 23-Apr			22-Apr 23-Apr		2.59 2.59	22-Apr 23-Apr		0.57 0.41	22-Apr 23-Apr		0.86 2.96	22-Apr 23-Apr		0.49 0.57	22-Apr 23-Apr	0.64 0.60	2.96
24 · Apr			24-Apr	0.54	2.41	24-Apr		0.28	24-Apr	*0.51	2.15	21-Apr		0,62	24-Apr		1.91
25-Apr			•		2.41	25-Apr		0.62	25-Apr		1.47	25-Apr		1.68	25-Apr 26-Apr	0.84	5.74 5.22
26-Apr 27-Apr			26-Apr 27-Apr		1.83	26-Apr 27-Apr		1.09 0.86	26-Apr 27-Apr	1.12	1.34	26-Apr 27-Apr		1.34 1.21	27-Apr	0.74	4.48
28-Apr			-		1.21	28-Apr	0.18	0.28	28-Apr		4.48	28-Apr	*0.33	0.92	28-Apr	0.71	4.13
29-Apr			29-Apr		1.21	29-Apr 30-Apr				0.95	7.32 3.90	29-Apr 30-Apr		0.66 0.45	29-Apr 30-Apr	0.70 0.72	4.01 4.24
30-Apr 1-May	*0.34		30-Apr 1-May		1.15 1.21	1-May		0.53	. •	•0.66		1-May		0.45	1-May	0.70	4.01
2-May	0.33	0.92	2-May	0.38	1.21	2-May	•0.29	0.71		*0.63		2-May		0.45	2-May	0.71	4.13
•	0.33 0.34		3-May 4-May		1.09 0.97	3-May 4-May		0.86 0.76	3-May	0.60 0.56	2.96 2.59	3-May 4-May		0.34	3-May 4-May	0.69	3.90 3.37
-		0.97	5-May		0.97	5-May			_	0.56				0.25	5 May		2.77
	0.34		_	0.40	1.34	6-May			-	0.56				0.19	6-May		2.17
	* 0.44	1.61 2.50	_	0.38		7-May 8-May	0.26		-	* *0.54 * *0.52		_	0.13		7-May 8-May		4.84 3.37
,	0.47		_	0.52		9-May			•	0.50		-	0.18	0.28	9-May		2.96
10-May			10-May			10-May				0.65		10-May	•	1.15	10-May		4.24
11-May 12-May		1.76	11-May 12-May			11-May 12-May			•	0.60		11-May 12-May		0.49	11-May 12-May		4.01 4.24
		1.83	13-May			13-May			13-May	0.54	2.41	13-May	•0.31	0.81	13-May		3.47
14-May			14-May			14-May				/ *0.51 / *0.47		14-May			14-May 15-May		3.06 2.96
15-May 16-May			15-May 16-May			15-May 16-May			•	0.47		15-May 16-May		0.62 0.49			3.37
17-May			17-May			17-May	0.46	1.76	17-May	y 0.44	1.61	17-May			17-May		
18-Ma; 19-Ma;	•		18-May 19-May			18-May 19-May				y 0.43 y 0.41		18-May 19-May			-		4.84 4.01
20-Ma	•		•			20-May			-	y 0.38					20-May		
21-Ma	•		•			21-May				y *0.38					21-May		4.48
22-Ma 23-Ma			-			22-May 23-May				y *0.39 y 0.39					22-May 23-May		4.48 4.13
24-Ma						24-May				y 0.80		-			24-May		
25-Ma	•		-							y 0.70		25-May					
26-Ma 27-Ma	•			/ 0.38 / 0.41						y 0.66 y *0.61					-	1.	4.36 4.13
27-31a 28-Ma	•		•	0.40		28-May				-	5 2.59				-		
29-Ma	y 0.5	5 2.50	29-Maj	0.38	1.21	-				y 0.51			0.28				
30-Ma	y 0.7 y 0.6		•	y 0.36 y 40.36						y 0.46 v 0.43	5 1.76 3 1.54		7 0.24 7 0.22				
	n *0.6			n *0.36		•		0.97		n •0.4:		_	+0.24		1-Jun	0.61	3.06
		6 3.58		n 0.36				1.21			6 1.76		• •0.25			0.59	
3- <b>J</b> u	n 0.6	6 3.58	5-Jur	n 0.35	1.03	.5- <b>3</b> u1	n 0.35			n 0.4	4 1.61	3-505	1 *0.26	, U.37	3-101	U. 32	2.24
								22	2								

Daily Mean	Water	Level an	d Flow at	HIA14	on Awa	ch River (	យម៉ែ H	-m, Q∷	m3's)	• • der	notes esti		ue by ir	aterpolar			
1980	H	Q		H	Q	1982	H	Q	1983		Q	1984	H	Q		H	Q
4-Jun	0.60	2.96			1.03			1.54	4-Jun		1.40	4-Jun		0.62			2.41
5-Jun	0.58	2.77	5-Jun		0.97	5-Jun		1.21	S-Jun		1.21	5-Jun		1.15	5-Jun		2.77 3 60
6-Jun	0.54	2.41	6-Jun		1.54	6-Jun 1		1.15	6-Jun 7-Jun		1.09 0.97	6-Jun 7-Jun		0.57 0.49	6-Jun 7-Jun		2.50 2.50
7-Jun 8-Jun	0.58 +0.53	2.77 2.32	7-Jun * 8-Jun		1.40 1.21	7-Jun 8-Jun		1.03 0.76	8-Jun	0.34	0.92	8-Jun		0.34	8-Jun		2.77
	0.49	1.99			1.09	9-Jun		0.62	9-Jun	0.34	0.97	9-Jun		0.34	9-Jun		2.50
10-Jun		1.91			1.27	10-Jun	0.27	0.62		0.33	0.92	10-Jun		0.31	10-Jun		1.91
11-Jun		1.83			1.03	11-Jun		0.71	11-Jun		0.92	11-Jun		0.31	11-Jun	0.47	1.83
12-Jun		1.83			1.27	12-Jun		1.91	12-Jun	•0.33	0.92	12-Jun	0.17	0.25	12-Jun	0.45	1.68
13-Jun	0.42	1.47	13-Jun	0.36	1.09	13-Jun	*0.48	1.91	13-Jun	0.33	0.92	13-Jun	0.52	2.24	13-Jun	0.43	1.54
14-Jun	*0.41	1.40	14-Jun 1	0.35	1.03	14-Jun		1.91	14-Jun			14-Jนก		1.09			1.54
15-Jun		1.34	15-Jún		0.92	15-Jon			15-Jun			15-Jun					1.34
16-Jun		1.34	16-Jun		0.86		0.39	1.27		0.29	0.71	16-Jun		0.81	16-Jun		1.34
17-Jun			17-Jun			17-Jun		1.27	17-Jun		0.66	17-Jun		1.03		0.44 0.45	1.61 1.68
18-Jun			18-Jun 19-Jun		0.81 0.81	18-Jua 19-Jun		1.34 1.34	18-Jun 19-Jun		0.66 0.62	18-Jun 19-Jun		1.21 0.97		0.41	1.40
19-Jun 20-Jun		1.09 1.03	20-Jun		0.76	20-Jun		1.83	20-Jun			20-Jun		1.83	20-Jun		1.34
21-Jun			21-Jun		0.76	21-Jun		2.41	21-Jun		0.65	21-Jun		0.92	21-Jun		1.76
22-Jun			22-3un		0.76	22-Jun	0.60	2.96	22-Jun		1.47	22-Jun		0.76	22-Jun		1.34
23-Jun			23-Jun		0.76	23-Jun	0.50	2.07	23-Jun		0.92	23-Jun		0.71	23-Jun	0.38	1.21
24-Jun		3.79	24-Jun	0.29	0.71	24-Jun	0.49	1.99	24-Jun	0.30	0.76	24-Jun	*0.28	0.66	24-Jun	0.38	1.21
25-Jun	0.66	3.58	25-Jun	0.29	0.71	25-Jun	0.50	2.07	25-Jun	*0.32	0.86	25-Jun	0.26	0.57	25-Jun		1.03
26-Jun	0.55	2.50	26-Jun	0.28	0.66	26-Jun	0.49	1.99	26-Jun	•0.33	0.92	26-Jun		0.49	26-Jun		1.03
27-Jun		4.72	27-Jun		0.76	27-Jun		1.76	27-Jun		0.97	27-Jun		0.76	27-Jun	0.34	0.91
	0.72		28-Jun		0.97	28-Jun	0.43	1.54	28-Jun	0.33	0.92	28-Jun		0.49	28-Jun	0.34	0.97
	*0.72			0.38	1.21	29-Jun	0.38	1.21	29-Jun	0.33	0.92	29-Jun 30-Jun		0.62	29-Jun 30-Jon	0.33	0.92 0.97
30-Jun				0.30	0.76	30-Jun	0.37	1.15	30-Jun	0.32		30-Jun	*0.25 *0.23	0.53 0.45	30-Jan 1-Jul		1.03
1-Jul 2-Jul			1-Jul 2-Jul	0.34	0.97 2.68	1-Jul 2-Jul	0.33	0.92 0.92	1-Jul 2-1:1	0.33 *0.32	0.92 0.86		+0.20		2-Jul	0.36	1.09
2-Jul 3-Jul			2-Jul 3-Jul	0.45	1.68	2-504 3-501	0.30	0.76		*0.31	0.83		0.17	0.25	3-Jul	0.34	0.97
	0.62			0.40	1.34		*0.31	0.81	4-Jul		0.81		0.16		4-Jul	0.31	0.81
5-Ju				0.41	1.40	5-Jul		0.86	5-Jul			5-Jul		0.28	S-Jul	0.30	0.76
	*0.61		6-Jul	0.41	1.40	6-Jul	0.31	0.81	6-Jul	0.29	0.71	6-Jul	0.17	0.25	6-Jul	0.30	0.76
7-Jul	0.62	3.16	7-Jul	0.38	1.21	7-Jul	0.30	0.76	7-Jul	0.27	0.62	7-Jul	*0.19	0.31	7-Jul	0.29	0.71
8-3ս	0.59	2.87		0.38	1.21	8-Jul	0.38	1.21	8-Jul				*0.21	0.38	8-Ju	0.29	0.71
9-Ju				0.37	1.15	9-Jul		1.03		*0.28			0.23		9-Jul	0.30	0.76
10-Ju			10-Jul		1.15		0.34			*0.29			0.18		10-Jul	0.30	0.76
1 1-Ju			11-Jul		1.15		*0.33		11-Jul				0.23		11-Jal 12-Jul	0.31	0.81 0.76
12-Ju			12-Jul		1.09 1.09	12-Jul				0.27 +0.27			*0.22 *0.21		13-Jul	0.30	0.76
	l *0.48 l   0.46		13-Jul 14-14	*0.35	1.03	13-Jul 14-Jul			14-301		0.62		*0.20		14-Jul	0.29	0.71
15-Ju				*0.35	1.03	15-Jul			15-Jul				*0.19		15-Jul	0.31	0.81
16-Ju				0.34	0.97	16-Jul				*0.29			+0.18		16-Jul	0.30	0.76
17-Ju				0.34	0.97	17-Jul				*0.31		17-Մա	0.17	0.25	17-Jul	0.36	1.09
18-Ju	0.39	1.27	18-Jul	0.33	0.92	18-Jul	+0.30	0.76	18-Jul	0.33	0.92	18-10	0.23	0.45	18-Jul	0.34	0.97
19- <b>J</b> u	0.36	1.09	19-Jul	0.33	0.92	19-Jul	0.29	0.71	19-Jul	0.29	0.71	19-Ju	0.36		19-Jul	0.32	0.86
	1 *0.36			0.32		20-Jul			20-Jul			20-Ju			20-Jul		0.76
		5 1.09		0.43			0.27				0.62			2.24		0.30	0.76
	0.3			0.37			0.30				0.57		1 *0.65			*0.30 *0.30	0.76 0.76
		7 1.15		0.37			+0.30 				0.57		l 0.78 l 0.65			*0.30	
	1 0.35 1 0.35			0.35			0.30				0.53	25 Ju				*0.30	
	u 0.3∙ ₽ 0.3∶			*0.33			0.30				0.71	26-Ju				*0.30	
	u 0.3. d 40.38			0.32			0.30		27-Ju		0.66		0.56			0.30	
	1 0,4			0.31			0.26				0.62		1 *0.55			0.31	
	1 0.30			*0.33			0.25				0.57			2.41		0.34	
30-Ja				≠0.35			0.24		30- <b>J</b> u	1 *0.28	0.66		0.53			0.32	
31-3	d 0.3	4 0.97	31-Jul	*0.37	1.13		0.24				0.71			1.76		0.30	
	g 0.3			0.38		-	0.24				0.76		_	1.34	-		
	g 0.3		-	*0.40			0.24		-		0.97		_	1.61	_	0.28	
	g *0,3		_	*0.42		-	0.25		,	-	9 0.71		-	1 1.61	_		0.76
	g 0.3		-	0.43		•	0.29			-	7 0.62		_	4 1.61 4 1.61	_		
	•	2 0.86		0.43			3 0 30			~	7 0.62 6 0.57		_	4 1.61 4 1.61	_		
	_	0.81	-	0.45			g 0.25			-	6 0.57 5 0.53			4 1.61 4 1.61	_		0.92
	_	0 0.76 8 1.21		z *0.42 z *0.39			g 10.23 g 10.28	5 0.53 3 0.66		_	5 0.53		-	4 1.61			
	_	5 1.21 5 3.03		g *0.39 g *0.36			g 0.30			_	9 0.71		-	4 1.61	_		
	_	3 0.92		g +0.33		-	-	0.76		_	7 0.62		•	1 1.61	-		
	_	0.32		g 0.30		11-Au	-				8 1.91		-	5 1.68			
	_	0.76		g 0.29		12-Au	-				3 0.92		_	6 1.76			
	~	0.76		g 0.28			-			-	2 0.86		_	7 1.83		0.5	
	-	0.76		g 0.28			g 0.3			-	1 0.81		_	6 1.09		0.52	7 2.68
•	_	19 0.71		g 0.31			g +0.3.				0.76	15-Ai	g 0.4	4 1.61		g · 0.49	
	_	8 0.66		g #0.31		16-Au	g 0.3	0 0.76		•	0.76		_	0 2.07		-	
17-A	ag +0.2	29 : 0.71	17-Au	g 0.32			g 0.3			-	8 0.66		_	1 2.15		-	
18-A	ag 0.3	30 0.76		-	0.76		g 0.3			-	9 0.71		_	1 2.15		-	2 0.86
19-A	ug 0.7	27 0.62	19-Au	g 0.29	0.71	19-Au	g 0.3	4 0.97	19-Au	g 0.5	2 2.24	19-A	ig +0.5	0 2.07	/ 19-Au	g 0.30	0.76
								23									
								43	•								

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Daily Mean Water Level and Flow at HIA14 on Awach River (unit: H=m, Q=m3/s) ** denotes estimated value by interpolation
                                                                     1983 H
    H 0261
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                         1981 11
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                                                1982 H
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                        20-Auv 0.28
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    8-Oct 0.28
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    14-Oct 0.38
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    16-Oct 0.35
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    26-Oct #0.30
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    31-Oct 0.27
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     2-Nov #0.26
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     3-Nov 0.26
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                                                                                             4-Nov #0.20
                                                                                                          0.34
                                                                                                                  4-Nov
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Daily Mean	Water	Level an	d Flow at	HIA14	on Awa	ach River	(enit: H	rm, Q≐	m3/s)	* de	notes est	imated val	lue by it	nterpola	tion		
1980	H	Q	1981	H	Q	1982	Н	Q	1983	H	Q	1984	13	Q	1985	H	Q
5-Nov	0.27	0.62	5-Nov	0.27	0.62	5-Nov	0.72	4.24	5-Nov	+0.31	0.81	5-Nov	0.20	0.34	5-Nov	0.33	0.92
6-Nov	0.26	0.57	6-Nov	0.26	0.57	6-Nov	0.70	4.01	6-Nov	*0.30	0.76	6-Nov	0.18	0.28	6-Nov	0.35	1.03
7-Nov		0.62	7-Nov	0.24	0.49	7 Nov	+0.68	3.79	7-Nov	0.30	0.76	7-Nov	0.21	0.38	7-Nov	0.30	0.76
8-Nov		0.62	8-Nov	0.24	0.49	8-Nov	0.66	3.58	8-Nov	0.30	0.76	8-Nov	0.20	0.34	8-Nov	0.30	0.76
9-Nov		0.62	9-Nov		0.45	9-Nov	0.60	2.96	9-Nov	0.28	0.66	9-Nov	0.25	0.53	9-Nov	0.29	0.71
10-Nov		0.62	10-Nov		0.81		0.51	2.15	10-Nov	0.27	0.62	10-Nov	+0.23	0.45	10-Nov	0.27	0.62
11-Nov		0.62	11-Nov		0.76	11-Nov	0.48	1.91	11-Nov	0.26	0.57	11-Nov		0.38	11-Nov	0.26	0.57
12-Nov	0.26	0.57	12-Nov		0.71	12-Nov		2.24	12-Nov		0.57	12-Nov		0.34	12-Nov	0.25	0.53
13-Nov		0.57	13 Nov		0.62	13-Nov		2.07	13-Nov		0.62	13-Nov		0.31		0.27	0.62
13-Nov		0.81	14-Nov		0.57	14-Nov		2.96	14-Nov		0.62	14 Nov		0.86		0.26	0.57
14-Nov 15-Nov		0.62	15-Nov		0.57	15-Nov		4.01	15-Nov	0.27	0.62	15-Nov		2.41	15-Nov	0.24	0.49
		0.62	16-Nov		0.53	16-Nov	0.70	3.06	16-Nov	0.26	0.57	16-Nov		1.68	16-Nov	0.26	0.57
16-Nov							0.56		17-Nov		0.57	17-Nov		1.03	17-Nov		0.57
17-Nov		0.62	17-Nov		0.49			2.59				18-Nov		1.03	18-Nov		0.49
18-Nov		0.62	18-Nov		0.45	18-Nov	0.41	1.40	18-Nov		0.57	19-Nov		1.03	19-Nov	0.23	0.45
19-Nov		0.62	19-Nov		0.49	19-Nov	0.45	1.68	19-Nov		1.34	20-Nov		1.03	20-Nov		0.41
20-Nov		0.62	20-Nov		0.45	20-Nov		1.34	20-Nov		1.21						0.38
21-Nov		0.81	21-Nov		0.41	21-Nov		1.34	21-Nov		1.03	21-Nov		1.09	21-Nov		
22-Nov		0.81	22-Nev		0.45			1.27	22-Nov		1.03	22-Nov		0.97		0.21	0.38
23-Nov		0.71	23-Nov		0.49	23-Nov	0.40	1.34	23-Nov		0.97	23-Nov		0.92	23-Nov		0.38
24-Nov		0.62	24-Nov		0.49	24-Nov		3.79	24-Nov		0.76	24-Nov		0.92	24-Nov	0.20	0.34
25-Nov	0.25	0.53	25-Nov	0.22	0.41	25-Nov		3.47	25-Nov		0.76	25-Nov		0.97	25-Nov	0.19	0.31
26-Nov	0.25	0.53	26-Nov	0.20	0.34	26-Nov	0.60	2.96	26-Nov		0.76	26-Nov		1.03	26-Nov	0.19	0.31
27-Nov	0.24	0.49	27-Nov	0.19	0.31	27-Nov		2.50	27-Nov		0.71	27-Nov		3.06	27-Nov	0.19	0.31
28-Nov	0.24	0.49	28-Nov	0.18	0.28	28-Nov	•0.70	4.01	28-Nov	0.29	0.71	28-Nov		2.07	28-Nov	0.17	0.25
29-Nov	0.23	0.45	29-Nov	*0.2E	0.38	29-Nov	0.85	5.88	29-Nov	0.27	0.62	29-Nev		1.34		0.17	0.25
30-Nov	*0.23	0.45	30-Nov	0.24	0.49	30-Nov	0.98	7.78	30-Nov	0.39	1.27	30-Nov	•0.40	1.34	30-Nov	0.17	0.25
1-Dec	0.22	0.41	1-Dec	0.20	0.34	1-Dec	0.95	7.32	1-Dec	0.30	0.76	1-Dec	*0.40	1.34	1-Dec	0.17	0.25
2-Dec		0.38	2-Dec	0.19	0.31	2-Dec	1.00	8,09	2-Dec	0.29	0.71	2-Dec	0.39	1.27	2-Dec	0.17	0.25
3-Dec	0.20	0.34	3-Dec	0.18	0.28	3-Dec	0.92	6.87	3-Dec	0.32	0.86	3-Dec	•0.39	1.27	3-Dec	0.16	0.22
	0.20	0.34	4-Dec	0.17	0.25	4-Dec	0.90	6.58	4-Dec	*0.31	0.81	4-Dec	0.39	1.27	4-Dec	0.20	0.34
5-Dec			5-Dec		0.25	5-Dec	+0.83	5.61	5-Dec	0.30	0.76	5-Dec	0.36	1.09	5-Dec	0.19	0.31
6-Dec		0.28	6-Dec		0.25	6-D∞	0.76	4.72	6-Dec	0.28	0.66	6-Dec	0.33	0.92	6-Dec	0.18	0.28
7-Dec		0.38	1-Dec		0.25		0.75	4.60	7-Dec	0.27	0.62	7-Dec	0.32	0.86	7-Dec	0.25	0.53
8-Dec		0.49	8-Dec		0.25		0.74	4,48	8-Dec			8-Dec	+0.46	1.76	8-Dec	0.25	0.53
9-Dec			9-Dec		0.25		0.66	3.58	9-Dec			9-Dec	0.59	2.87	9-Dec	0.23	0.45
10-Dec	0.26		10-Dec		0.22	10-Dec		3.26		*0.26		10-Dec	0.50	2.07	IO-Dec	0.22	0.41
11-Dec			11-Dec		0.22	11-Dec				+0.25		11-Dec		1.68	11-Dec		0.49
12-Dec			12-Dec		0.22	12-Dec		3.16		*0.24		12-Dec		****	12-Dec		0.76
12-Dec 13-Dec			13-Dec		0.22	13-Dec		3.26		•0.23		13-Dec			13-Dec		0.71
13-Dec			14-Dec		0.22	14-Dec		3.37		0.23		14-Dec			14-Dec		0.49
15-Dec			15-Dec		0.19	15-Dec		2.87		0.23		15-Dec			15-Dec		0.38
			16-Dec		0.19	16-Dec		2.68		0.23		16-Dec			16-Dec		0.34
16-Dec			17-Dec		0.19	17-Dec		2.59		*0.21		17-Dec			17-Dec		0.28
17-Dec						18-Dec		2.32		*0.21		18-Dec			18-Dec		0.28
18-Dec			18-Dec		0.34		0.53 +0.51	2.15	19-Dec			19-Dec			19-Dec		
19-Dec			19-Dec						20-Dec			20-1)ec			20-Dec		0.34
20-Dec			20-Dec		0.38		0.49								21-Dec		
21-Dec			21-Dec		0.49		0.45		21-Dec			21-Dec			22-13cc		0.28
22-Dec			22-Dec				0.50		22-Dec			22-Dec			23-Dec		0.25
23-Dec			23-Dec				0.44		23-Dec			23-Dec					0.23
24-Dec			24-Dec				0.44			*0.24		24-Dec			24-Dec		0.25
25-Dec			25-Dec				*0.42			*0.24		25-Dec			25-Dec		
26-Dec			26-Dec				*0.40			0.25		26-Dec			26-Dec		
27-Dec			27-Dec				*0.39			*0.25		27-Dec			27-Dec		
28-Dec			28-Dec				0.38		28-De						28-Dec		
		0.22	29-Dec			29-Dec			29-13c						29-Dec		
		0.19	30-Dec	0.32	0.13		0.35			c 0.24					30-Dec		
31-Dec	+0.15	0.19	31-Dec	0.12	0.13	31-Dec	0.34	0.97	31-Do	c *0.24	0.49	31-Dec	:		31-Dec	0.15	0.19

Daily Moan Water I	level and Flow a	it IIIAI4 on	Awach River	(unit: II	m, Q n	n3/s) **	* den	oles estin	saled value by i	nterpolatio	o <b>n</b>	
1986 H	Q 1987				Q	1989	11	Q	1990 11	Q	1991 H	Q
1-Jan 0.15	0.19 1-Jan	*0.14 0.			0.25		0.19		1-Jan *0.74			0.53
		*0.14 0.1	_		0.25			0.28	2-Jan 0.86	6.02		0.62
		*0.14 0.1			0.25			0.34		4.84		0.66 0.66
		*0.14 0.			0.25			0.28 0.45	4-Jan 0.70 5-Jan 0.60	2.96		v.00 0.66
	-	•0.14 0. 0.14 0.			0.25 0.22			0.57		2.96		0.71
6-Jan 0.16 7-Jan 0.15	0.22 6-Jan 0.19 7-Jan				0.22			0.57	7-Jan *0.60			0.76
8-Jan 0.15	0.19 R-Jan				0.28			0.57	8-Jan 0.60	2.96		0.81
9-Jan 0.15	0.19 9-Jan				0.28			0.53	9-Jan 0.56	2.59	9-Jan 0.30	0.76
10-Jan 0.16		0.14 0.	17 10-Jan	*0.17	0.25	10-Jan	0.23	0.45	10-Jan 0.55	2.50	10-Jan 0.29	0.71
11-Jan 0.15	0.19 11-Jan	*0.23 0.	15 11-Jan	0.17	0.25	11-Jan	0.22	0.41	11-Jan 0.55	2.50	11-Jan 0.28	0.66
12-Jan 0.16	0.22 12-Jan	0.31 0,	81 12-Jan	0.17	0.25	12-Jan			12-Jan 0.46	1.76		0.66
13-Jan 0.16	0.22 13-Jan	0.28 0.	66 13-Jan		0.22				13-Jan *0.44		,	0.66
			25 14-Jan		0.28	14-Jan		0.34		1.47		0.66
	0.22 15-Jan		25 15-Jan		0.66	15-Jan		0.34	15-Jan 0.40	1.34		0.62 0.57
16-Jan 0.15		-	25 16-Jan		0.66 0.66	16-Jan 17-Jan		0.31	16-Jan 0.39 17-Jan 0.38	1.27		0.57
17-Jan 0.15 18-Jan 0.16	0.19 17-Jan 0.22 18-Jan		25 17-Jan 22 18-Jan		0.66	18-Jan		0.25	18-Jan 0.35	1.03		0.49
19-Jan 0.15		0.15 0.			0.66	19-Jan		0.25		0.76	19-Jan *0.22	
20-Jan 0.23		0.14 0.			0.71	20-Jan		0.22	20-Jan *0.32			0.38
21-Jan 0.18		0.14 0.			0.81	21-Jan		0.25	21-Jan *0.34	0.97	21-Jan 0.20	0.34
			15 22-Jan		1.03	22-Jan	0.16	0.22	22-Jan 0.36	1.09	22-Jan 0.19	0.31
23-Jan 0.28	0.66 23-Jar	0.13 0.	15 23-Jan	*0.34	0.97	23-Jan	0.16	0.22	23-Jan 0.30	0.76	23-Jan 0.19	0.31
24-Jan 0.19	0.31 24-Jar	i 0.26 0	57 24-Jan	•0.33	0.92	24-Jan		0.22	24-Jan 0.28	0.66		0.28
25-Jan 0.16	0.22 25-Jan	t *0.23 0			0.86	25-Jan		0.25	25-Jan 0.28	0.66		0.28
26-Jan 0.14	0.17 26-Jan				0.66	26-Jan		0.22	26-Jan 0.26	0.57		0.28
27-Jan 0.12			19 27-Jan		0.53		0.17	0.25	27-Jan +0.25	0.53		0.25
28-Jan 0.12			17 28-Jan		0.49	28-Jan 29-Jan	0.16 0.16	0.22 0.22	28-Jan *0.24 29-Jan 0.23	0.49 0.45	29-Jan 0.17	0.25 0.28
29-Jan 0.12 30-Jan 0.28	0.13 29-Jan 0.66 30-Jan		.15 29-Jan .15 30-Jan		0.38		0.16	0.22	30-Jan 0.24	0.49	30-Jan 0.17	0.25
31-Jan 0.23			.15 31-Jan		0.31	31-Jan		0.19	31-Jan 0.25	0.53	31-Jan 0.18	0.28
1-Feb 0.23			17 1-Feb		0.31	1-Fcb	0.16	0.22	1-Feb 0.28		1-Feb 0.15	0.19
2-Feb 0.20	0.34 2-Feb				0.41	2-Feb	0.16	0.22	2-Fcb 0.27	0.62		0.19
3-Feb *0.20	0.34 3-Fe	b 0.14 0	.17 3-Feb	0.21	0.38	3-Feb	0.15	0.19	3-Feb *0.28	0.66	3-Feb *0.15	0.19
4-Feb 0.21	0.38 4-Fe	b 0.13 0	.15 4-Feb	0.19	0.31	4-Feb	0.16	0.22	4-Fcb *0.29	0.71	4-Feb 0.15	0.19
5-Feb 0.21	0.38 5-Fe	ь 0.13 б	.15 5-Feb	0.19	0.31	5-Fcb	0.16	0.22	5-Feb 0.30	0.76	5-Feb 0.14	0.17
6-Feb 0.21	0.38 6-Fe			*0.18	0.28	6-Feb		0.66	6-Feb 0.30		6-Feb 0.14	0.17
7-Feb 0.31	0.81 7-Fc			*0.17	0.25	7-Fcb		1.34	7-Feb 0.28		7-Feb 0.14	0.17
8-Feb 0.25			13 8-Feb		0.25	8-Feb	0.31	0.81	8-Feb 0.27		8-Fcb 0.13	0.15
9-Feb 0.20	0.34 9-Fe		13 9-Feb		0.22	9-Feb 10-Feb	0.30	0.76	9-Feb 0.27 10-Feb 40.26		9-Feb *0.14 10-Feb *0.16	0.17 0.22
10-Feb 0.17 11-Feb 0.14	0.25 10-Fe 0.17 11-Fe		.31 10-Feb .17 11-Feb			11-Feb			11-Feb *0.26		11-Feb 0.18	0.28
12-Feb 0.13	0.15 12-Fe		.86 12-Feb			12-Feb		3.58	12-Feb 0.25		12-Feb 0.18	0.28
13-Feb 0.15	0.19 13-Fc			*0.19			0.40	1.34		0.49	13-Fcb 0.18	0.28
14-Feb 0.21	0.38 14-Fe			+0.22	0.41	14-Feb	0.36	1.09	14-Feb 0.23	0.45	14-Feb 0.17	0.25
15-Feb 0.20			.22 15-Feb	0.25	0.53	15-Feb	0.34	0.97	15-Feb 0.22	0.41	15-Feb 0.17	0.25
16-Fcb 0.17	0.25 16-Fe	ь 0.13 (	.15 16-Feb	0.23	0.45	16-Feb	0.32	0.86	16-Feb 0.22	0.41	16-Feb *0.17	0.25
17-Feb 0.16	0.22 17-Fe	5 0.13 C	).15 17-Feb	0.20	0.34		0.30	0.76	17-Feb *0.23		17-Feb *0.16	
18-Fcb 0.15		ъ 0.14		0.19		18-Feb			1B-Feb *0.25		18-Feb 0.16	
19-Feb 0.15		b 0.14		0.17		19-Feb			19-Feb 0.26		19-Feb 0.15	
20-Feb 0.14		b 0.23		0.15		20-Feb			20-Feb 0.24		20-Feb 0.15	
21-Feb 0.13 22-Feb 0.13		ъ 0.13 ↔ ъ +0.20 ↔		• •0.15 • •0.15		21-Feb 22-Feb			21-Feb 0.30 22-Feb 0.56		21-Feb 0.14 22-Feb 0.14	
23-Feb 0.12		b 0.27		0.15		23-Feb			23-Feb 0.48		23-Feb *0.14	
24-Feb 0.11		b 0.21		0.15		24 Feb			24-Feb *0.49		24-Feb +0.15	
25-Feb 0.11		rb 0.19	-	0.19		25-Feb			25-Feb *0.50		25-Feb 0.15	
26-Feb 0.10		eb 0.16		0.17		26-Feb			26-Feb 0.51		26-Feb 0.15	
27-Feb 0.10	0.09 27-F	eb 0.17	0.25 27-Fel	6 +0.16	0.22	27-Feb	0.32	0.86	27-Feb 0.50	2.07	27-Feb 0.16	0.22
28-Feb 0.10	0.09 28-F	cb 0.18	0.28 28-Fcl	b +0.15	0.19	28-Feb	0.30	0.76	28-Feb 0.48	1.91	28-Feb 0.16	
1-Mar 0.10		lar *0.17		a 0.13			0.30		1-Mar 0.53		1-Mar 0.16	
2-Mar 0.16		ar 0.15		τ 0.11			0.28		2-Mar 0.52		2-Mar *0.16	
3-Mar *0.10		lar 0.14		r 0.10			0.27		3-Mar *0.5		3-Mar *0.16	
4-Mar 0.10		at 0.14		u 0.16			*0.28		4-Mar *0.50		4-Mar 0.16	
5-Mar 0.17		lar 0.14		er 0.16			*0.29		5-Mar 0.50		5-Mar 0.16 6-Mar 0.15	
6-Mar 0.17 7-Mar 0.34		far 0.13 far 0.13		ır 0.39 ır 0.32			0.30		6-Mar 0.50 7-Mar 0.4		7-Mar 0.15	
8-Mar 0.30		far +0.24		n 0.32 n 0.26			0.26		8-Mar 0.4		8-Mar 0.14	
9-Mar 0.29		iar +0.24 far 0.35		er 0.20 er 0.24			0.20		9-Mar 0.4		9-Mar 40.22	
10-Mar 0.20		far 0.51		r 0.23			0.22		10-Mar *0.4		10-Mar *0.30	
11-Mar 0.23		far 0.37		ar 0.23				0.49	11-Mar *0.4		11-Mar 0.38	
12-Mar 0.1		far 0.31		ar 0.23				0.57	12-Mar 0.4		12-Mar 0.30	
12-101at U. 1		far 0.27		ar 0.20		13-Mar	0.27	0.62	13-Mar 0.9	7.62	13-Mar 0.30	0.76
13-Mar 0.1:								0.63	1435- 00	4 4 6 6 6	1434- 036	0.53
	4 0.17 14-N	far 0.30		as 0.19		14-Ma			14-Mar 0.8		14-Mar 0.25	
13-Mar 0.1: 14-Mar 0.1: 15-Mar 0.1:	3 0.15 15-X	far +0.55	2.50 15-M	ar 0.22	0.41	15-Mac	0.25	0.53	15-Mar 1.1	5 10.65	15-Mar 0.24	0.49
13-Mar 0.1: 14-Mar 0.1: 15-Mar 0.1: 16-Mar 0.1:	3 0.15 15-X 3 0.15 16-X	far *0.55 far 0.80	2.50 15-M 5.22 16-M	ar 0.22 ar 0.22	0.41	15-Mai 16-Mai	г 0.25 г 0.27	0.53	15-Mar 1.1 16-Mar 0.9	5 10.65 6 7.47	15-Mar 0.24 16-Mar *0.23	0.49 0.45
13-Mar 0.1: 14-Mar 0.1: 15-Mar 0.1:	3 0.15 15-N 3 0.15 16-N 5 0.19 17-N	far +0.55	2.50 15-M 5.22 16-M 2.41 17-M	ar 0.22	0.41 2 0.41 2 0.41	15-Mai 16-Mai 17-Mai	r 0.25 r 0.27 r 0.30	0.53	15-Mar 1.1	5 10.65 6 7.47 9 6.44	15-Mar 0.24	0.49 0.45 0.41

Daily Mean																11	^
	11 0.16	Q 0.22	1987 19-Mar	1[ 0.53	Q 2.32		H 0.26	Q 0.57	1989 19-Mar 1		Q 0.66	1990 19-Mar	11 0.76	Q 4.72	1991 19-Mar	0.21	Q 0.38
	0.16		20-Mar		2.15			0.76	20-Mar		0.66	20-Mar		4.13	20-Mar		0.34
	0.51		21-Mar		1.83			0.97	21-Mar		0.57	21-Mar		3.47	21-Mar		0.31
	0.41 0.29	1.40 0.71	22-Mar 1 23-Mar		1.34 0.92			1.61 0.97	22-Mar 23-Mar	0.23	0.53 0.45	22-Mar 23-Mar		3.47 3.06	22-Mar 23-Mar		0.28
	0.25	0.53	24-Mar		0.81			3.79	24-Mar		0.62	24-Mar		2.87	24-Mar (		0.66
	0.23	0.45	25-Mar	0.30	0.76	25-Mar (	0.65	3.47	25-Mac	•0.31	0.81	25-Mar	•0.57	2.68	25-Mar		0.92
	0.22	0.41			0.76			1.54	26-Mar		1.03	26-Mar		2.50	-		0.76
	0.20 0.19	0.34	27-Mar 28-Mar		0.66 0.66			3.47 1.68	27-Mar 28-Mar		1.34 1.68	27-Mar 28-Mar		2.32 2.24	27-Mar 28-Mac	0.28	0.66 0.53
	0.16	0.22	29-Mar		0.86			1.40	29-Mar		2.96	29-Mar		2.96	29-Mar		0.62
	0.16	0.22	30-Mar		1.09			1.03	30-Mar		2.15	30-Mar		1.91	30-Mar 1		0.71
	0.15	0.19 0.49	31-Mar 1-Apr		0.81			0.92 0.81	31-Mar 1-Apr		1.40 1.68	31-Mar 1-Apr		2.24 2.59	31-Mar 1 1-Apr		0.81 0.92
1-Apr 2-Apr	0.26	0.57	2-Apr		0.49	2-Apr		0.71	2-Apr		1.99	2-Apr		2.96	2-Apr		0.97
•	0.29	0.71	3-Apr		0.45	3-Apr		0.66	_	0.52		3-Apr		3.58	3-Apr		0.76
4-Apr	0.23	0.45	4-Apr		0.41	4-Apr		0.66	4 Apr		1.91	4-Apr		3.26	4-Apr		0.76 1.34
S-Apr 6-Apr	0.19 0.20	0.31 0.34	5-Apr 6-Apr		0.41 0.43	5-Apr 6-Apr		1.21	5-Apr 6-Apr		3.06 2.50	5-Apr 6-Apr		3.47 3.68	5-Apr 6-Apr		1.54
7-Apr	0.22	0.43	7-Apr		0.41	7-Apr		1.34	-	0.50	2.07	7-Apr		3.37	7-Apr		1.76
8-Apr	0.20	0.34	8-Apr		1.99	8-Apr		0.81	8-Apr		2.77	8-Apr		3.16	8-Apr		1.91
9-Apr	0.25	0.53 2.77	9-Apr 10-Apr		4.13 4.24	9-Apr 10-Apr		1.34 3.06	9-Apr 10-Apr		3.58 4.48	9-Apr 10-Apr	0.60 0.63	2.96 3.26	9-Apr 10-Apr		1.91 1.61
•	0.34	0.97	11-Apr		2.87	11-Apr		2.59	11-Apr		3.47	11-Apr		4.60	11-Apr		1.61
12-Apr		0.81	12-Apr		2.41	12-Apr		1.34	12-Apr	0.54	2.41	12-Apr	0.67	3.68	12-Apr		2.24
13-Apr		0.76	13-Apr		1.91	13-Apr		1.03	13-Apr		2.07	13-Арг		3.47	13-Apr		1.91
14-Apr 15-Apr		0.66 0.57	14-Apr 15-Apr		1.68 1.61	14-Apr 15-Apr		0.81 0.76	14-Apr 15-Apr		2.07 1.76	14-Apr 15-Apr			14-Apr 15-Apr		1.61 1.34
16-Apr		0.66	16-Apr		1.54	16-Apr		1.09	16-Apr		1.54	16-Apr		3.06	16-Apr		1.40
17-Apr		0.57	17-Apr		1.40	17-Apr		0.92	17-Apr			-	0.60		17-Apr		1.21
18-Apr		0.66	18-Apr		1.27 1.15	18-Apr		2.15 3.16	18-Apr		1.21	-	0.56 0.58		18-Apr 19-Apr		1.15 1.34
19-Apr 20-Apr		0.53 0.53	19-Арг 20-Арг		1.03	19-Apr 20-Apr		2.41	19-Apr 20-Apr			•	0.56		20-Apr		1.27
21-Apr		0.49	21-Apr		0.97	21-Apr		1.91	21-Apr			-	+0.57		21-Apr	*0.38	1.21
22-Apr		0.76	22-Apr		0.86	22-Apr		2.50	22-Apr			•	*0.58		22-Apr		1.21
23-Apr 24-Apr	0.29	0.71	23-Apr 24-Apr		0.76 1.61	-	1.05	8.91 11.20		*0.53 0.63		-	0.58 0.56		23-Apr 24-Apr		1.21
25-Apr		0.86	25-Apr			25-Apr		6.87		0.48		•	0.56		25-Apr		1.03
26-Apr		3.37	26-Apr		1.99	-	1.04	8.74		0.41		-			26-Apr		0.97
27-Apr		2.15	27-Apr		2.68 2.50	27-Apr	0.94 1.01	7.17 8.25		0.38					27-Apr 28-Apr		0.92 0.86
28-Apr 29-Apr		1.21 2.32	28-Apr 29-Apr		2.24	•	1.05	8.91		•0.35 • •0.35		-	*0.58		29-Apr		0.76
30-Apr			30-Apr		1.99	30-Apr	0.95	7.32	-	*0.36		-	0.58		30-Apr		0.76
1-May		1.40	1-May		1.76	1-May	0.91	6.72	-	•0.37		•	*0.58		1-May		0.86
2-May 3-May			2-May 3-May		1.61 1.47	2-May 3-May	0.88 0.77	6.29 4.84	-	0.37		-	0.58		2-May 3-May		1.03
4-May			4-May		1.34	4-May	1.01	8.25		0.38		•	0.52		4-May		1.03
		1.76	5-May		1.27	5-May		4.84		0.36		•	*0.50		5-May		
6-May 7-May		1.09	6-May	0.38		6-May 7-May			-	*0.38 *0.40			0.49		6-May 7-May		
8-May		0.92 2.15	_	0.37		8-May			-		1.54	-	0.50		-		0.97
9-May				0.37		9-May			9-May	0.46	1.76		0.55		9-May	0.32	0.86
10-May			10-May			10-May							0.50		10-May		
11-May 12-May			11-May 12-May			11-May 12-May					2.50	-	/ 0.52 / *0.56		11-May 12-May		
13-May			13-May			13-May					2.87	•	*0.60		13-May		
14-May			14-May			14-May					3.26		0.63		14-May		
15-May		0.97	15-May 16-May		-	15-May 16-May					3.58 2.96		y 0.57 y 0.55		15-May 16-May		
•		0.86	10-May			17-May					2.77		y 0.52		17-May		
		0.97	18-May	*0.45	1.68	18-May			18-May	y 0.76	4.72		y 0.50				
-		1.09	19-May			19-May				y 0.65			y *0.49				
		) 1.99 ) 2.87	20-May 21-May			20-May 21-May					3.37 3.16		y *0.48 y 0.48		20-May 21-May		
		7 1.83				_					2.96		y 0.45				
23-May			23-May	0.55	2.50	23-May				•	2,96		y 0.43	4.1			1.47
24-Ma)											9 5.09 0 4.01		y 0.46 y *0.47				3 1.34 3 1.34
25-May 26-May		9 1.27 7 1.15				25-May 26-May				-	3.58		y *0.48				3 1.27
27-May					1.83					•	7 3.68		y *0.49				3 1.21
28-May	y 0.3.	3 0.92	28-May	0.57	2.68	28-May				-	8 3.79		y 0.50				3 1.21
•		1 0.81	_		2.59						9 3.90 6 3.58		ry 0.49 ry 0.45		-		0 1.34 0 1.34
•		9 0.71 3 0.92			2.96 2.77		,			•	0 2.96		y 0.4:				3 1.2L
•	•	4 0.97	1-Ju	n 0.56	2.59	I-Jun	0.37	7 1.15	1-Ju	n *0.5	7 2.68	i i-Ju	in *0.45	5 1.68	1-Ju	n *0.4	1.61
		5 1.03			2.41			1.34			4 2.41		m *0.4:				9 1.99
3-Ju	n 0.3	4 0.97	3-Ju	n 0.78	4.97	3-Jun	0.35	3 1.21	] 3-Ju	m ₹0.5	6 2.59	, 3-Ju	in *0.40	o 1.76	J-Ju	n 0.5	5 2.50

Days New For New For New For New For New For New Start (Part Cores) 3 *** - Amonton colorated value by September 1997 11 C   P. 1971   C   P. 1972   C   P.	Daily Mann Water Level and	A Elony at 111414 on Au-	ach Dieve fanit Hem As	n3b) - 7 f E danotas esti	imated rights by internal	ntina :
	· .			•		
F-Inn   0.31   0.86   6-Inn   0.99   2.87   6-Inn   0.91   1.17   6-Inn   0.95   2.77   6-Inn   0.40   0.41   1.34   0.56   0.05   1.88	7		_			•
Part						
8-hm 0/8 0/8 0/1   8-hm 0/8 0/8 150   8-hm 0/8 150   8-hm 0/8 160   8-hm 0/8 160						
9-Jun 0.17 0.42 9-Jun 0.63 3.16 9-Jun 0.55 109 9-Jun 0.60 3.26 9-Jun 0.40 16.1 9-Jun 0.12 0.66 11-Jun 0.26 0.37 11-Jun 0.13 0.17 11-Jun 0.50 0.37 11-Jun 0.13 0.17 11-Jun 0.50 0.37 11-Jun 0.13 0.17 11-Jun 0.13 0.21 0.21 11-Jun 0.13 0.21 11-Jun 0.13 0.21 0.21 11-Jun 0.13 0.21 11-Jun 0.13 0.21 0.21 11-Jun 0.21 0.21 0.21 11-Jun 0.21 0.21 0.21 11-Jun 0.21 0.21 0.21 11-Jun 0.22 0.21 0.21 0.21 0.22 0.22 0.23 0.23 0.23 0.23 0.23 0.23	·	· · · · · · · · · · · · · · · · · · ·	· ·			
19-Jun   0.51					The second secon	
11-Jun   0.56   0.57   11-Jun   0.55   2.50   11-Jun   0.60   1.34   11-Jun   0.52   2.77   11-Jun   0.51   2.15   11-Jun   0.22   0.41   11-Jun   0.31   1.31   11-Jun   0.52   2.51   11-Jun   0.22   0.41   11-Jun   0.31   1.31   11-Jun   0.32   1.31   11-Jun   0.32   0.41   11-Jun   0.32   1.31		· ·				
13-15m   0.31   0.31   13-2m   0.55   21.9   13-2m   0.34   0.07   13-2m   0.52   2.24   13-2m   0.42   1.47   13-2m   0.52   2.55   15-2m   0.32   0.66   15-2m   0.32   0.34   0.07   13-2m   0.32   0.32   13-2m   0.04   1.61   13-2m   0.05   15-2m   0.05   15-2m   0.32   0.31	11-Jun 0.26 0.57	11-Jun 0.55 2.50	11-Jun 0.40 1.34	i company		
14-5an   0.30   0.76   15-5an   0.32   241   13-5an   0.32   0.37   15-5an   0.33   0.37				12-Jun 0.55 2.50	12-Jun 0.45 1.68	12-Jun 0.34 0.97
15-10   10-28   0.66   15-10   0.70   20-7   15-10   0.31   0.16   15-10   0.25   0.16   15-10   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   15-10   0.25   0.16   0.25   0.2						0
15-100   0.26   0.57   15-100   0.60   2.56   15-100   0.31   0.81   15-100   0.27   15-100   0.27   0.21   15-100   0.26   0.57   15-100   0.26   0.57   15-100   0.26   0.57   15-100   0.26   0.57   15-100   0.26   0.57   15-100   0.26   0.57   0.20				1 1	the state of the s	and a first to
17-10-10-10-10-10-10-10-10-10-10-10-10-10-				and the second s		· ·
H-Jun   0.26   0.57						and the second s
20-Jun   0.25   0.32   23-Jun   0.44   1.61   20-Jun   0.36   0.57   22-Jun   0.37   0.38   22-Jun   0.31   0.38   22-Jun   0.32   0.35	18-Jun 0.26 0.57	18 Jun 0.49 1.99	18-Jun 0.30 0.76	18-Jun *0.54 2.41	18-Jun 0.40 1.34	
21-Jun   0.35   0.35   21-Jun   0.41   1.47   21-Jun   0.31   0.92   21-Jun   0.41   1.83   21-Jun   0.34   0.97   21-Jun   0.31   0.81   22-Jun   0.34   0.97   23-Jun   0.31   0.81   22-Jun   0.31   0.97   23-Jun   0.31   0.81   23-Jun   0.31						*
22-Jun   0.25   0.51   22-Jun   0.41   1.47   22-Jun   0.31   0.97   22-Jun   0.41   1.61   22-Jun   0.32   0.95   22-Jun   0.33   0.95   22-Jun   0.34   0.97   22-Jun   0.33   0.95   22-Jun   0.34   0.97   22-Jun   0.97					and the second s	
23-Jun 024 049 23-Jun 042 147 23-Jun 033 0.92 23-Jun 042 147 23-Jun 043 0.97 23-Jun 033 0.92 23-Jun 022 041 23-Jun 038 0.96 033 0.92 23-Jun 024 049 23-Jun 038 0.96 0.97 0.97 0.00 1.34 0.97 23-Jun 033 0.92 23-Jun 024 049 23-Jun 035 1.03 27-Jun 030 0.76 23-Jun 030 0.76 0.76 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0				A CONTRACTOR OF THE PARTY OF TH	and the second second	
22-1-yau 021 041 25-yau 038 121 25-yau 030 105 25-yau 040 134 25-yau 031 097 25-yau 031 081 26-yau 032 041 25-yau 031 081 26-yau 032 041 25-yau 031 081 26-yau 031 081 26-yau 032 041 25-yau 035 103 25-yau 030 134 25-yau 031 097 25-yau 031 081 26-yau 031 081 26-yau 032 042 25-yau 035 103 25-yau 030 105 25-yau 030 105 28-yau 030 105 29-yau 030 107 29-y						
26-Jun   0.22   0.41   2.6-Jun   0.35   0.92   2.6-Jun   0.32   0.86   2.6-Jun   0.40   1.34   2.6-Jun   0.34   0.37   2.5-Jun   0.34   0.97   2.6-Jun   0.35   0.99   2.6-J				1		
27-bus   0.24   0.49   27-bus   0.35   1.03   27-bus   0.29   0.11   27-bus   0.39   1.27   27-bus   0.34   0.97   29-bus   0.34   0.97   29-bus   0.32   0.91   29-bus   0.34   0.97   29-bus   0.35   0.92   29-bus   0.35   0.99   29-bus   0.35   0.35   0.99   29-bus   0	25-Jun 0.22 0.41	25-Jun 0.38 1.21	25-Jun 0.30 0.76	25-Jun *0.40 1.34	25-Jun 0.34 0.97	25-Jun 0.31 0.81
28-bu						· · ·
29-Jun   0.22   0.41   29-Jun   0.34   0.97   29-Jun   0.29   0.71   29-Jun   0.34   0.97   29-Jun   0.34   0.97   1.09			· · · · · · · · · · · · · · · · · · ·	The second secon		
30-Jun   0.11   0.38   30-Jun   0.48   1.91   30-Jun   0.29   0.71   30-Jun   0.30   1.27   30-Jun   0.30   0.92   1.31   1.01   0.31   0.97   1.31   0.27   0.62   1.31   0.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.32   0.85   0.33   0.92   1.31   0.97   0.85   0.33   0.92   0.75   0.35						
1-Jul   0.33   0.92   1-Jul   0.36   1.09   1-Jul   0.28   0.66   1-Jul   0.38   1.21   1-Jul   0.33   0.92   1-Jul   0.32   0.65   3-Jul   0.95   0.75					· ·	
3-Jul   0.22   0.44   3-Jul   0.33   0.92   3-Jul   0.39   0.79   0.74   0.34   0.97   0.35   1.03   0.34   0.97   0.35	1-Jul 0.33 0.92	1-Jul 0.36 1.09	1-Jul 0.28 0.66	and the second s		
S-Jul   O.21   O.32   O.35   S-Jul   O.31   O.35   O.35   S-Jul   O.32   O.36   S-Jul   O.31   O.37   O.37   O.31   O.37   O.3						2-Jul 0.32 0.86
S-Jul   0.25   0.53   S-Jul   0.31   0.81   S-Jul   0.32   0.27   0.62   S-Jul   0.33   0.32   S-Jul   0.34   0.97     T-Jul   0.22   0.41   T-Jul   0.39   1.27   T-Jul   0.27   0.62   S-Jul   0.31   0.81   S-Jul   0.32   0.92   T-Jul   0.34   0.97     S-Jul   0.22   0.41   T-Jul   0.39   1.27   T-Jul   0.27   0.62   S-Jul   0.35   0.81   S-Jul   0.32   0.36   S-Jul   0.34   0.97     S-Jul   0.22   0.41   T-Jul   0.39   1.21   T-Jul   0.22   0.62   S-Jul   0.35   0.81   S-Jul   0.32   0.36   S-Jul   0.34   0.97     D-Jul   0.22   0.41   T-Jul   0.31   0.81   D-Jul   0.22   0.62   S-Jul   0.40   1.34   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.22   0.41   T-Jul   0.30   0.76   D-Jul   0.31   0.81   D-Jul   0.32   0.76   D-Jul   0.34   0.97     D-Jul   0.24   0.49   D-Jul   0.30   0.76   D-Jul   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.30   0.76   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.32   D-Jul   0.32   0.97   D-Jul   0.34   0.97     D-Jul   0.30   0.31   D-Jul   0.32   D-Jul   0.32   0.97   D-Jul   0.34   D-Jul   0.34   D-Jul   0.34     D-Jul   0.30   0.31   D-Jul   0.32   D-Jul   0.32   0.66   D-Jul   0.34   D-Jul   0.34   D-Jul   0.34   D-Jul   0.34     D-Jul   0.30   0.31   D-Jul   0.32   0.57   D-Jul   0.32   0.66   D-Jul   0.34   D-Jul   0.34     D-Jul   0.20   0.31   D-Jul   0.25   0.57   D-Jul   0.25   0.67   D-Jul   0.34   D-Jul   0.35   0.35     D-Jul   0.20   0.31   D-Jul   0.25   0.57   D-Jul   0.25   0.57   D-Jul   0.35   0.35     D-Jul   0.20   0.31   D-Jul   0.25   0.57   D-Jul   0.25   0.57   D-Jul   0.35   0.35     D-Jul   0.20   0.31   D-Jul   0.25   0.57   D-Jul   0.35   0.35     D-J		•		and the second s		
6-Jul *0.24 0.49						
Field						
1-1-11   1						and the second s
10-Jul   0.24   0.49   10-Jul   0.31   0.81   10-Jul   0.25   0.57   10-Jul   0.45   1.68   10-Jul   0.30   0.76   10-Jul   0.34   0.37   11-Jul   0.20   0.34   12-Jul   0.30   0.76   11-Jul   0.25   0.57   11-Jul   0.42   1.47   11-Jul   0.29   0.71   11-Jul   0.31   0.81   13-Jul   0.20   0.34   13-Jul   0.29   0.71   13-Jul   0.25   0.57   11-Jul   0.42   1.47   11-Jul   0.29   0.71   11-Jul   0.31   0.81   13-Jul   0.20   0.34   13-Jul   0.29   0.71   13-Jul   0.25   0.57   13-Jul   0.38   121   13-Jul   0.29   0.71   13-Jul   0.30   0.76   13-Jul   0.31   0.81   13-Jul   0.20   0.34   13-Jul   0.29   0.71   0.25   0.57   15-Jul   0.28   0.66   15-Jul   0.40   1.34   15-Jul   0.31   0.81   15-Jul   0.30   0.76   13-Jul	8-Jul 0.21 0.38	8-Jul 0.34 0.97	8-Jul *0.27 0.62	8-Jul *0.35 1.03	8-Jul *0.32 0.86	8-Jul 0.34 0.97
11-Jul 0.21 0.38 11-Jul 0.30 0.76 11-Jul 0.26 0.57 12-Jul 0.42 1.47 11-Jul 0.29 0.71 11-Jul 0.32 0.06 12-Jul 0.30 0.76 12-Jul 0.30 0.34 12-Jul 0.26 0.57 17-Jul 0.28 0.66 12-Jul 0.40 1.34 15-Jul 0.30 0.35 11-Jul 0.20 0.34 12-Jul 0.26 0.57 17-Jul 0.29 0.71 12-Jul 0.40 1.34 15-Jul 0.35 1.03 12-Jul 0.29 0.71 12-Jul 0.20 0.34 12-Jul 0.26 0.57 12-Jul 0.28 0.66 12-Jul 0.40 1.34 12-Jul 0.35 1.03 12-Jul 0.29 0.71 12-Jul 0.20 0.34 12-Jul 0.25 0.53 12-Jul 0.28 0.66 12-Jul 0.30 0.76 12-Jul 0.35 1.03 12-Jul 0.29 0.71 12-Jul 0.20 0.34 12-Jul 0.25 0.53 12-Jul 0.26 0.57 12-Jul 0.30 0.76 12-Jul 0.29 0.34 12-Jul 0.39 0.34 12-Jul 0.28 0.66 12-Jul 0.26 0.57 12-Jul 0.30 0.76 12-Jul 0.35 1.03 12-Jul 0.25 0.53 12-Jul 0.39 0.30 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.30 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.30 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.28 0.66 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.39 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0.39 0.76 12-Jul 0.25 0.53 12-Jul 0						and the second s
13-Jul   0.20   0.34   12-Jul   0.30   0.76   12-Jul   0.26   0.57   13-Jul   0.38   1.21   12-Jul   0.29   0.71   13-Jul   0.31   0.81   13-Jul   0.20   0.71   13-Jul   0.30   0.76   13-Jul   0.20   0.71   13-Jul   0.30   0.76   13-Jul   0.20   0.31   13-Jul   0.30   0.76   13-Jul   0.30   0					the second of th	•
13-Jul   40-20   0.34   13-Jul   0.29   0.71   13-Jul   0.25   0.57   13-Jul   0.36   0.57   13-Jul   0.20   0.71   13-Jul   0.31   0.81   15-Jul   0.30   0.76   13-Jul   0.20   0.31   13-Jul   0.20   0.31   13-Jul   0.25   0.57   15-Jul   0.08   0.65   15-Jul   0.01   0.134   13-Jul   0.31   0.81   15-Jul   0.30   0.76   13-Jul   0.20   0.31   17-Jul   0.26   0.57   15-Jul   0.28   0.66   15-Jul   0.04   0.134   13-Jul   0.31   0.81   15-Jul   0.30   0.76   13-Jul   0.20   0.34   15-Jul   0.26   0.57   15-Jul   0.28   0.66   15-Jul   0.04   0.134   13-Jul   0.32   0.86   15-Jul   0.20   0.31   13-Jul   0.29   0.71   13-Jul   0.29					and the second s	
14-Jul 0.20 0.34						
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17-Jul 0.20 0.34 17-Jul 0.26 0.57 17-Jul 0.29 0.71 17-Jul 0.40 1.34 17-Jul 0.35 1.03 17-Jul 0.29 0.71 18-Jul 0.20 0.34 18-Jul 0.27 0.62 19-Jul 0.20 0.34 18-Jul 0.25 0.53 19-Jul 0.28 0.66 19-Jul 0.34 0.97 19-Jul 0.30 0.76 20-Jul 0.25 0.53 20-Jul 0.20 0.34 19-Jul 0.25 0.53 20-Jul 0.26 0.57 20-Jul 0.34 0.97 20-Jul 0.30 0.76 20-Jul 0.25 0.53 21-Jul 0.19 0.31 21-Jul 0.27 0.62 21-Jul 0.26 0.57 20-Jul 0.33 0.92 21-Jul 0.30 0.76 21-Jul 0.25 0.53 22-Jul 0.19 0.31 22-Jul 0.27 0.62 21-Jul 0.26 0.57 21-Jul 0.33 0.92 21-Jul 0.30 0.76 21-Jul 0.25 0.53 22-Jul 0.19 0.31 22-Jul 0.27 0.62 21-Jul 0.26 0.57 21-Jul 0.33 0.92 21-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.19 0.18 0.28 21-Jul 0.27 0.62 21-Jul 0.25 0.53 22-Jul 0.35 1.03 22-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 21-Jul 0.27 0.62 21-Jul 0.25 0.53 22-Jul 0.35 1.03 22-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 21-Jul 0.27 0.62 21-Jul 0.26 0.57 21-Jul 0.35 1.03 21-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 25-Jul 0.18 0.28 25-Jul 0.27 0.62 25-Jul 0.25 0.53 22-Jul 0.35 1.03 22-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 25-Jul 0.18 0.28 25-Jul 0.27 0.62 25-Jul 0.25 0.53 22-Jul 0.35 1.03 25-Jul 0.29 0.21 25-Jul 0.26 0.57 27-Jul 0.26 0.57 27-Jul 0.35 1.03 25-Jul 0.29 0.21 25-Jul 0.23 0.45 27-Jul 0.20 0.5 0.57 27-Jul 0.26 0.59 27-Jul 0.29 0.29 0.21 25-Jul 0.23 0.45 29-Jul 0.29 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31				15-Jul +0.40 1.34	15-Jul *0.31 0.81	15-Jul 0.30 0.76
18-Jul 0.20 0.34 18-Jul 0.26 0.57 18-Jul 0.29 0.71 18-Jul 0.37 1.15 18-Jul 0.32 0.86 18-Jul 0.27 0.62 19-Jul 0.20 0.34 19-Jul 0.25 0.53 19-Jul 0.28 0.66 19-Jul 0.34 0.97 19-Jul 0.32 0.86 18-Jul 0.27 0.62 0.53 20-Jul 0.20 0.34 0.97 20-Jul 0.30 0.76 20-Jul 0.25 0.53 20-Jul 0.20 0.34 0.97 20-Jul 0.30 0.76 20-Jul 0.25 0.53 20-Jul 0.20 0.34 0.97 20-Jul 0.30 0.76 20-Jul 0.25 0.53 22-Jul 0.19 0.31 21-Jul 0.27 0.62 21-Jul 0.25 0.53 22-Jul 0.33 0.92 21-Jul 0.30 0.76 21-Jul 0.25 0.53 22-Jul 0.19 0.31 22-Jul 0.27 0.62 22-Jul 0.25 0.53 22-Jul 0.35 1.03 22-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 21-Jul 0.27 0.62 23-Jul 0.26 0.57 24-Jul 0.38 1.21 24-Jul 0.30 0.76 22-Jul 0.25 0.53 22-Jul 0.18 0.28 25-Jul 0.27 0.62 25-Jul 0.26 0.57 24-Jul 0.38 1.21 24-Jul 0.30 0.76 24-Jul 0.25 0.53 22-Jul 0.18 0.28 25-Jul 0.27 0.62 25-Jul 0.26 0.57 24-Jul 0.38 1.21 24-Jul 0.30 0.76 24-Jul 0.22 0.41 25-Jul 0.18 0.28 25-Jul 0.27 0.62 25-Jul 0.26 0.57 25-Jul 0.35 1.03 25-Jul 0.30 0.76 24-Jul 0.22 0.41 25-Jul 0.19 0.27 0.62 25-Jul 0.27 0.62 25-Jul 0.29 0.71 25-Jul 0.22 0.41 25-Jul 0.19 0.27 0.62 25-Jul 0.27 0.62 25-Jul 0.29 0.71 25-Jul 0.20 0.41 25-Jul 0.27 0.62 25-Jul 0.29 0.71 25-Jul 0.22 0.41 25-Jul 0.27 0.62 0.57 27-Jul 0.24 0.49 27-Jul 0.33 0.97 25-Jul 0.29 0.71 25-Jul 0.22 0.41 25-Jul 0.27 0.52 27-Jul 0.29 0.71 25-Jul 0.29 0.71 25-Ju						
19-Jul   0.20   0.34   19-Jul   0.25   0.53   19-Jul   0.28   0.66   19-Jul   0.34   0.97   19-Jul   0.32   0.86   19-Jul   0.25   0.53   20-Jul   0.26   0.57   20-Jul   0.34   0.97   20-Jul   0.30   0.76   20-Jul   0.25   0.53   20-Jul   0.26   0.57   20-Jul   0.34   0.97   20-Jul   0.30   0.76   20-Jul   0.25   0.53   20-Jul   0.26   0.57   21-Jul   0.33   0.92   21-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.31   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.36   0.76   22-Jul   0.25   0.53   22-Jul   0.36   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.36   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.35   1.03   22-Jul   0.30   0.76   22-Jul   0.25   0.53   22-Jul   0.25   0.35   22-Jul   0.35   0.35   22-Jul   0.25   0.35   22-Jul   0.25   0.35   22-Jul   0.25   0.35   22-Jul   0.25   0.35   22-J						
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1-Aug *		0.41	24-Aug		0.81	24-Aug		2.68	24-Aug		1.34	24-Aug		0.92	24-Aug *(		0.49
•		0.38	•	0.28	0.66	-		2.24	25-Aug		1.47	25-Aug 1		0.86	25-Aug *0 26-Aug (		
	0.21	0.38	26-Aug 27-Aug	0.36	1.09 0.92	26-Aug 27-Aug	0.48 0.45	1.91 1.68	26-Aug 27-Aug		1.54 1.61	26-Aug 1 27-Aug		0.76	27-Aug (		
7-Ang 8-Ang		0.34	28-Aug	0.32	0.86	28-Aug	0.43	1.54	28-Aug		1.68	28-Aug			28-Aug (		
9-Aug		0.81	-	0.30	0.76	29 Aug	0.41	1.40	29-Aug		3.26	29-Aug			29-Aug (		
0-Aug		1.76	30-Aug		0.71	30-Aug	0.35	1.03	30-Aug	0.60	2.96	30-Aug	0.28	0.66	30-Aug (	0.25	0.53
l-Aug *	0.46	1.76	31-Aug	0.27	0.62	31-Aug		1.03	31-Aug	0.56	2.59	31-Aug			31-Aug *(		
1-Sep		1.76	1-Sep		0.62	1-Sep		0.97	1-Sep		2,41	1-Sep			1-Sep *		0.38
2-Sep		2.77	2-Sep		0.62	•	10.33		2-Sep		2.59	2-Sep		0.49	2-Sep ( 3-Sep (		0.34 0.34
3-Scp 4-Scp	0.43	1.54	3-Sep 4-Sep		0.57 0.57	-	0.33 0.34		3-Sep 4-Sep		2.77 3.06	3-Sep 4-Sep		0.49 0.49	4-Sep (		0.49
-		1.09	5-Sep		0.57	•	0.33	0.92	5-Sep		2.77	5-Sep		0.76	5-Sep		0.49
6-Sep		0.92	6-Sep		0.57	•	0.31		6-Scp		2.68	6-Sep		0.76	6-Sep		0.45
7-Sep			7-Sep		0.57	-	0.32		7-Sep		2.59	7-Sep	0.28	0.66	7-Sep *	0.23	0.45
8-Sep	0.31	0.81	8-Sep	0.28	0.66		0.31		8-Sep	0.52	2.24	8-Sep		0.97	8-Sep *		0.45
9-Sep		0.71	9-Sep		0.66	-	0.31		9-Sep		2.07	9-Sep		1.27	9-Sep		0.45
0-Sep		0.66	10-Sep		0.57	10-Sep			10-Sep		1.91	10-Sep		1.68	10-Sep		0.45
II-Sep		0.62	11-Sep		0.57	11-Sep		1.03 n.o.t	11-Sep		1.83	11-Sep		1.27 0.76	11-Sep 12-Sep		0.34
12-Sep 13-Sep		0.62 0.86	12-Sep 13-Sep		0.53	12-Sep 13-Sep	0.34		12-Sep 13-Sep		1.61 1.40	12-Sep 13-Sep		0.76 1.91	12-3ep		0.38
1 <i>3-</i> 5ер 1 <b>4-</b> Sep 1		0.71	13-3cp 14-Scp		0.49	13-3cp 14-Scp		0.76	14-Sep		1.21	14-Sep		1.34	14-Sep *		
15-Sep		0.57	15-Sep		0.45	-	0.29		15-Sep			15-Sep		1.15	15-Sep *		0.49
6-Sep		1.09	16-Sep		0.41	•	0.33	0.92	16-Sep		1.40	16-Sep		0.92	16-Sep		
17-Sep		0.97	17-Sep		0.38	-	0.33		17-Sep			17-Scp		0.76	17-Sep		0.53
18-Sep		0.76	18-Sep		0.38		0.35		18-Sep		2.15	18-Sep		0.66	18-Sep		0.49
19-Sep		0.71	19-Sep		0.34	19-Sep		0.81	19-Sep			19-Sep		0.66	19-Sep		0.49
20-Sep		0.66	20-Sep		0.41	-	0.29	0.71	20-Sep		3.58 2.96	20-Sep 21-Sep		0.57	20-Sep *		0.45 0.41
21-Sep 22-Sep		0.62	21-Sep 22-Sep		0.45 0.38	21-Sep 22-Sep	0.28	0.66 0.62	21-Scp 22-Scp			22-Sep		0.71	22-Sep		0.38
23-Sep		0.53	23-Sep		0.38	23-Sep		0.57	23-Sep			23-Sep		0.86	23-Sep		0.38
24-Sep		0.49	24-Sep		0.53	24-Ѕер			24-Sep			24-Sep		0.97	-		0.57
25-Sep		0.45	25-Sep		0.41	25-S¢p	0.29	0.71	25-Sep	0.48	1.91	25-Sep	0.30	0.76	25-Sep	0.24	0.49
26-Sep	0.22	0.41	26-Sep	0.21	0.38	26-Sep	0.34	0.97	26-Sep	0.47	1.83	26-Sep		0.76	26-Sep		
27-Sep	0.22	0.41	27-Sep		0.41	27-Sep			27-Sep			27-Sep		0.71	27-Sep		
28-Sep		0.41	28-Scp		0.45	28-Sep		0.66	28-Sep			28-Scp		0.71	28-Sep		
29-Sep		0.41	29-Scp			29-Sep			29-Sep			29-Sep		0.71 0.66	29-Sep ( 30-Sep		
30-Sep		0.34	30-Sep	0.26		30-Sep 1-Oct			30-Sep	*0.42		30-Sep	0.27		1-Oct		
				0.24		2-00				0.40			0.28	0.66	2-Oct		0.34
3-Oct		0.28		0.26			0.32			0.39			0.28		3-Oct		
4-Oct				+0.27			0.30				1.27		0.25		4-Oct	0.22	0.41
5-Oct	+0.18	0.28	5-Oct	0.28	0.66	5-Oc	t 0.36	1.09	5-Oct	0.35	1.03	5-Oct	0.25	0.53	5-Oct		
		0.25			0.66		t 0.34				0.97		*0.25		6-Oct		
7-Oct				0.21			0.37				1.21		*0.25		7-Oct 8-Oct		
		0.28		0.19			t 0.32				1.47		0.25		8-00 9-00		
9-0ct		0.41			0.28 0.57		t 0.30 t 0.28				1.83 1.76		*0.25		10-Oct		
11-Oct					0.53		L 0.27				1.76		0.25		11-Oct		
12-Oct		V.7J			0.49		t 0.26				1.54		0.26		12-Oct	40.24	0.49
13-Oct					0.45		t 0,28				1.34		+0.27		13-Oct		
14-Oct					1.83	14-Oc	ŧ 0.36	1.09			1.54	14-Oct	•0.28	0.66	14-Oct		
15-Oct					0.76		t 0.32		•		1.76		0.30		15-Oct		
16-Oct					0.86		t 0.30				1.99		0.28		16-0ct		
17-Oct					0.97		t 0.27				1.68		0.26		17-Oct 18-Oct		
18-Oct					1.09		t 0.26 t 0.25				3 1.54 3 1.34			0.57	18-Oct		
19-Oct 20-Oct					1.15 0.97		a 0.23 a 0.24				) 1.34			0.66	20-00		
21-Oct					0.76		1 0.23				9 1.27			0.81	21-Oct		
22-Oct					0.71		ct 0.22				8 1.21			1.03	22-Oct	0.56	2.59
23-Oct					5.22		ct 0.27				8 1.21	23-Oc	t 0.30	0.76	23-Oct		
24-00			24-00	t 0.60	2.96	24-0	ct 0.22				7 1.13			0.62			
25-Oct					2.07		ct 0.22				8 1.21			0.49			
26-Oct					1.34		ct 0.21				5 1.03			0.49			
27-Oct		,			5 1.03		ot 0.20				6 1.09 6 1.09			5 0.57 8 0.66			
28-Oct		>			3 0.92		et 0.20 et 0.20				6 1.09 6 1.09			0.76			
29-Od 30-Od					2 0.86 0 0.76		ct 0.20 ct 0.21				6 1.05 6 1.05			0.76			1.61
30-Oct 31-Oct					9 0.71		kt 0.2				5 1.0.			8 0.66			1.54
1-Nov					1 0.83		ov 0.2				9 0.7			5 0.53			1.54
2-Nov					3 0.9		ov 0.2				6 0.5			4 0.97		*0.43	1.54
3-Nov					5 1.0	3-No	ov 0.2	0 0.3	3-No	v 0.2	2 0.4	1 3-No		7 1.15			1.47
4-Nov					7 1.1:		ov 0.2	2 0.41	1 4-No	v *0.2	4 0.4	9 4-No	v *0.4	0 1.34	4-Nov	0.42	1.47
									29								
									47								
			•														

Daily Mean	Water	Level a	nd Flow at	DHAL	t on Aw	ach River	(unit: ]	ł≖m,Q	=m3/s)	notes es	timated value by	interpola	tion	
1986	11	Q	1987	11	Q	1988	11	Q	1989 11	Q	1990 B	Q	1991 11	Q.
>-Nov			5-Nov	•0.39	1.27	5-Nov	0.22	0.41	5-Nov *0.27	0.62	5-Nov 0.43	1.54	5-Nov 0.42	1.47
6-Nov			6-Nov	•0.42	1.47	6-Nov	0.21	0.38	6-Nov 0.30	0.76	6-Nov 0.36	1.09	6-Nov 0.45	1.68
7-Nov			7-Nov	•0.45	1.68	7-Nov	0.21	0.38	7:Nov 0.31	0.81	7-Nov 0.36	1.09	7-Nov 0.45	1.68
8-Nov			8-Nov	*0.48	1.91	8-Nov	0.20	0.34	8-Nov 0.19	0.31	8-Nov 0.32	0.86	8-Nov 0,40	1.34
9-Nov			9-Nov	*0.51	2.15	9-Nov	0.19	0.31	9-Nov 0.18	0.28	9-Nov 0.30	0.76	9-Nov *0.40	1.34
10-Nov			10-Nov	*0.53	2.32	10-Nov	0.21	0.38	10-Nov 0.18	0.28	10-Nov +0,29	0.71	10-Nov *0.40	1.34
11-Nov			11-Nov	*0.56	2.59	11-Nov	0.20	0.34	11-Nov *0.21	0.38	11-Nov +0.28	0.66	11-Nov 0.40	1.34
12-Nov			12-Nov	0.60	2.96	12-Nov	0.19	0.31	12-Nov *0.24	0.49	12-Nov 0.28	0.66	12-Nov 0.35	1.03
13-Nov			13-Nov	0.58	2.77	13-Nov	0.18	0.28	13-Nov *0.27	0.62	13-Nov 0.22	0.41	13-Nov 0.29	0.71
14-Nov			14-Nov	0.54	2.41	14-Nov	0.18	0.28	14-Nov 0.29	0.71	14-Nov 0.25	0.53	14-Nov 0.31	
15-Nov			15-Nov	*0.54	2.41	15-Nov	0.17	0.25	15-Nov 0.25	0.53	15-Nov 0.26	0.57	4.5	1.21
16-Nov			16-Nov	0.53	2.32	16-Nov	0.18	0.28	16-Nov 0.24	0.49	16-Nov 0.25	0.53	16-Nov +0.37	
17-Nov			17-Nov	0.47	1.83	17-Nov	0.18	0.28	17-Nov 0.23	0.45	17-Nov *0.27	0.62	17-Nov *0.36	1.09
18-Nov			18-Nov	0.50	2.07	18-Nov	0.17	0.25	18-Nov *0.26	0.57	18-Nov *0.29	0.71	18-Nov 0.35	1.03
19-Nov			19-Nov	0.47	1.83	19-Nov	0.26	0.57	19-Nov *0.30	0.76	19-Nov 0.30	0.76	19-Nov 0.35	1.03
20-Nov			20-Nov	0.47	1.83	20-Nov		0.76	20-Nov +0.34	0.97	20-Nov 0.29	0.71	20-Nov 0.32	0.86
21-Nov			21-Nov	0.43	1.54	21-Nev		0.57	21-Nov 0.38	1.21	21-Nov 0.28		21-Nov 0.30	
22-Nov			22-Nov	•0.39	1.27	22-Nov		0.97	22-Nov 0.36	1.09	22-Nov 0.26	1.11	22-Nov 0.30	
23-Nov			23-Nov		1.03	23-Nov		1.09	23-Nov 0.32	0,86	23-Nov 0.26		23-Nov *0.30	0.76
24-Nov			24-Nov		1.34	24-Nov		0.86	24-Nov 0.32	0.86	24-Nov *0.26	0.57	24-Nov +0.30	
25-Nov			25-Nov		1.03	25-Nov		0.76	25-Nov *0.31	0.81	25-Nov *0.26		25-Nov 0.30	
26-Nov			26-Nov		1.03	26-Nov	0.29	0.71	26-Nov +0.30	0.76	26-Nov 0.26	0.57	26-Nov 0.31	0.81
27-Nov	0.24		27-Nov		0.97	27-Nov		0.57	27-Nov 0.30	0.76	27-Nov 0.25		27-Nov 0.29	
28-Nov			28-Nov		0.97	28-Nov		0.41	28-Nov 0.36	1.09	28-Nov 0.26	0.57	28-Nov 0.28	0.66
29-Nov			29-Nov		0.86	29-Nov		0.34	29-Nov 0.31	0.81	29-Nov 0.26	0.57	29-Nov *0.25	
30-Nov			30-Nov	0.30	0.76	30-Nov	0.20	0.34	30-Nov 0.30	0.76	30-Nov 0.26		30-Nov *0.22	
1-Dec			1-Dec	0.30	0.76	1-Dec		0.34	1-Dec 0.32	0.86	1-Dec +0.26		1-Dec *0.20	
2-Dec			2-Dec	0.28	0.66	2-Dec	0.19	0.31	2 Dec +0.36	1.09	2-Dec *0.26		2-Dec 0.18	
3-Dec			3-Dec	0.26	0.57	3-Dec	+0.19	0.31	3-Dec +0.40	1.34	3-Dec 0.26			0.19
4-Dec			4-Dec	0.26	0.57	4-Dec	*0.18	0.28	4 Dec 0.44	1.61	4-Dec 0.23		and the second second second	0.13
5-E)ec			5-Dec	0.25	0.53	5-Dec	0.17	0.25	5-Dec 0.42	1.47	5-Dec 0.24	0.49		0.15
6-I X ¢			6-Dec	*0.25	0.53	6-Dec	0.17	0.25	6-Dec 0.40	1.34	6-Dec 0.22	0.41	6-Dec 0.13	
7-13ec			1-Dec	0.26	0.57	7-Dec	0.17	0.25	7-Dec 0.40	1.34	7-Dec 0.22	0.43	7-Dec *0.13	0.15
8-Dec			8-Dec	0.26	0.57	8-Dec	0.16	0.22	8-Dec 0.40	1.34	8-Dec *0.23	0.45	8-Dec *0.14	0.17
9-Dec			9-Dec	0.25	0.53	9-Dec	0.16	0.22	9-Dec 0.40	1.34	9-Dec *0.24	0.49	9-Dec 0.14	0.17
10-Dec			10-Dec	0.25	0.53	10-Dec	0.16	0.22	10-Dec *0.41	1.40	10-Dec 0.24	0.49	10-Dec 0.16	0.22
11-Dec			H-Dec	0.33	0.92	11-Dec	0.15	0.19	11-Dec 0.42	1.47	11-Dec 0.24	0.49	11-Dec 0.15	0.19
12-Dec			12-Dec	•0.31	0.81	12-Dec	0.15	0.19	12-Dec *0.38	1.21	12-Dec *0.23	0.45	12-Dec *0.17	0.25
13-Dec			13-Dec	•0.29	0.71	13-Dec	0.15	0.19	13-Dec 0.34	0.97	13-Dec 0.22	0.41	13-Dec 0.20	0.34
14-Dec			14-Dec	0.27	0.62	14-Dec	0.16	0.22	14-Dec 0.34	0.97	14-Dec 0.24	0.49	14-Dec *0.21	0.38
15-Dec			15-Dec		0.57	15-Dec		0.22	15-Dec 0.34	0.97	15-Dec *0.27	0.62	15-Dec +0.22	0.41
16-Dec	0.21		16-Dec		0.57	16-Dec	0.16	0.22	16-Dec *0.32	0.86	16-Dec *0.29	0.71	16-Dec 0.23	0.45
17-Dec			17-Dec	0.25	0.53	17-Dec	0.16	0.22	17-Dec *0.30	0.76	17-Dec 0.31	0.81	17-Dec 0.25	0.53
18-Dec			18-IXc		0.49	18-Dec		0.22	18-Dec 0.29	0.71	18 Dec 0 29	0.71	18-Dec 0.23	0.45
19-Dec			19-Dec		0.49	19-Dec		0.19	19-Dec 0.27	0.62	19-Dec 0.28	0.66	19-Dec 0.21	0.38
20-Dec			20-Dec		0.45	20-Dec		0.22	20-Dec 0.36	1.09	20-Dec 0.27	0.62	20-Dec 0.20	0.34
21-Dec			21-Dec		0.41	21-Dec		0.34	21-Dec 0.30	0.76	21-Dec 0.26	0.57	21-Dec *0.20	0.34
22-Dec	0.25		22-Dec			22-Dec			22-Dec 0.30		22-Dec *0.27		22-Dec *0.20	
23-Dec			23-Dec						23-Dec *0.33		23-Dec *0.28	0.66	23-Dec 0.20	0.34
24-Dec			24-Dec			24-Dec			24-Dec *0.36		24-Dec 0.29		24-Dec 0.23	
25-Dec			25-I)ec			25-Dec			25-Dec *0.39		25-Doc *0.28		25-Dec *0.21	
26-Dec			26-Dec			26-Dec		0.28	26-Dec *0.42		26-Dec *0.27		26-Dec *0.19	
27-Dec			27-Dec			27-Dec			27-Dec 0.46		27-Dec 0.26		27-Dec 0.17	
28-Dec			28-Dec			28-Dec			28-Dec 0.42	1.47	28-Dec 0.25		28-Dcc *0.17	
29-Dec				0.18		29-Dec			29-Dec 0.49	1.34	29-Dec +0.25		29-Dcc 0.17	
30-Dec 31-Dec			30-Dec			30-Dec			30-Dec *0.51	2.15	30-Dec *0.24		30-Dec 0.17	
31-120			31-Dec	0.17	0.23	31-Dec	*0.Z0	0.34	31-Dec *0.62	3.16	31-Dec 0.23	0.45	31-Dec 0.16	0.22

```
Daily Mean Water Level and Flow at 111A14 on A
   1992 H
                       1993 11
                O
                                    O
   1-Jan *0.16 0.22
                       1-Jan *0-26
                                   0.57
   2-Jan 0.16 0.22
                       2-Jan *0.24
                                   0.49
   3-Jan 0.16 0.22
                       3-Jan *0.22
   4-Jan *0.16
                       4-Jan 0.21
               0.22
                                   0.38
   5-Jan *0.15
               0.19
                       5-Jan 0.22
                                   0.41
   6-Jan 0.15
                0.19
                       6-Jan 0.19
                                   0.31
                       7-Jan 0.20
   7-Jan 0.14
                0.17
                                    0.34
   8-Jan 0.16
                0.22
                       8-Jan 0.20
                                    0.34
   9-Jan
         0.17
                0.25
                       9-Jan *0.21
                       10-Jan *0.22
   10-Jan 0.16
                0.22
                                    0.41
   11-Jan *0.16
                0.22
                       11-Jan 0.23
                                    0.45
   12-Jan *0.15
                0.19
                       12-Jan 0.23
                                    0.45
   13-Jan 0.15
                0.19
                       13-Jan 0.45 1.68
   14-Jan 0.15
                0.19
                       14-Jan 0.30
                                    0.76
   15-Jan 0.14
                       15-Jan 0.40
                0.17
   16-Jan 0.14
                0.17
                       16-Jan *0.42
                                    1.47
                       17-Jan *0.44
   17-Jan 0.13 0.15
                                    1.61
                       18-Jan 0.47
   18-Jan *0.13
                0.15
                                   1.83
   19-Jan *0.13
                0.15
                       19-Jan 0.40
                                    1.34
   20-Jan 0.13
                0.15
                       20-Jan 0.39
   21-Jan 0.13
                       21-Jan 0.37
                0.15
                                    1.15
   22-Jan 0.15
               0.19
                       22-Jan 0.37
                                   1.15
   23-Jan 0.14 0.17
                       23-Jan *0.36
                                   1.09
   24-Jan 0.14
                0.17
                       24-Jan *0.35
                                    1.03
   25-Jan *0.14
                0.17
                       25-Jan 0.35
                                   1.03
   26-Jan *0.13
                       26-Jan 0.35
                                    1.03
                0.15
   27-Jan 0.13
               0.15
                       27-Jan 0.33
                                   0.92
                       28-Jan 0.33 0.92
   28-Jan 0.12 0.13
                       29-Jan 0.32
   29-Jan 0.12
                0.13
                                   0.86
                       30-Jan *0.33 0.92
   30-Jan 0.13 0.15
   31-Jan 0.13 0.15
                       31-Jan +0.34 0.97
    1-Feb *0.13
                       1-Feb 0.36 1.09
                0.15
    2-Feb *0.14 0.17
                        2-Feb 0.36 1.09
    3-Feb
                        3-Feb 0.35
         0.15
                0.19
                                    1.03
    4-Feb
                        4-Fcb 0.34
                                    0.97
         0.15
                0.19
    5-Feb
          0.18 0.28
                        5-Feb 0.32 0.86
    6-Fcb 0.19 0.31
                        6-Feb *0.31
                                     0.81
    7-Feb
          0.19
                0.31
                        7-Feb *0.30
                                     0.76
    8-Feb *0.21
                        8-Feb 0.30
                0.38
                                    0.76
    9-Feb +0.23
                0.45
                        9-Feb 0.30 0.76
                       10-Feb 0.42 1.47
   10-Feb 0.25
                0.53
   11-Fcb
          0.20 0.34
                       11-Feb 0.40 1.34
   12-Feb
          0.19
                0.31
                       12-Feb 0.39
                                     1.27
                       13-Feb *0.39
   13-Fcb
          0.18
                0.28
                                     1.27
   14-Feb
          0.18
                0.28
                       14-Feb *0.39
                                     1.27
   15-Feb +0.18
                0.28
                       15-Feb 0.39 1.27
   16-Feb *0.17
                       16-Feb 0.39 1.27
                0.25
   17-Feb 0.16
                0.22
                       17-Feb 0.37
                                     1.15
   18-Feb 0.16
                       18-Feb 0.36 1.09
                0.22
   19-Feb 0.15 0.19
                       19-Fcb 0.36
                                     1.09
                       20-Feb +0.34
   20-Feb 0.15 0.19
                                     0.97
                       21-Feb *0.32
   21-Feb 0.14 0.17
                                     0.86
   22-Fcb *0.14
                 0.17
                       22-Fcb 0.30
                                     0.76
    23-Feb *0.14
                 0.17
                       23-Feb 0.30
                                     0.76
                       24-Feb 0.40
    24-Feb
          0.14
                 0.17
                                     1.34
    25-Fcb
          0.13 0.15
                       25-Feb 0.39
                                     1.27
                       26-Feb 0.34
                                     0.97
    26-Feb 0.12 0.13
                       27-Feb *0.36
    27-Fcb 0.12 0.13
                                     1.09
                       28-Fcb *0.38
    28-Feb 0.12 0.13
                                     1.21
    1-Mar *0.13
                 0.15
                        1-Mar 0.40
                                     1.34
                        2-Mar 0.42
    2-Mar 0.13
                 0.15
                                     1.47
    3-Mar
           0.15
                 0.19
                        3-Mar 0.38
                                     1.23
    4-Mar
           0.15
                 019
                        4-Mar 0.38
                                    1.21
                        5-Mar 0.37
    5-Mar
           0.14
                0.17
                                     1.15
    6-Mar
           0.14
                 0.17
                        6-Mar 0.37
    7-Mar *0.14
                        7-Mar *0.36
                .0.17
                                     1.09
    8-Mar *0.13
                        8-Mar 0.35
                0.15
                                      1.03
                        9-Mar 0.34
    9-Mar 0.13
                 0.15
                                      0.97
    10-Mar 0.13
                 0.15
                        10-Mar 0.34
                                      0.97
    11-Mar 0.12
                 0.13
                        11-Mar 0.32
                        12-Mar 0.30
    12-Mar 0.12 0.13
                                      0.76
                        13-Mar *0.30
    13-Mar 0.13 0.15
                                      0.76
                        14-Mar *0.30
    14-Mar *0.13
                                      0.76
                 0.15
    15-Mar +0.13 0.15
                        15-Mar 0.30
                                      0.76
    16-Mar 0.13
                 0.15
                        16-Mar
                                0.30
                                      0.76
    17-Mar 0.14 0.17
                        17-Mar 0.29
                                      0.71
    18-Mar 0.14 0.17
                       18-Mar 0.29 0.71
```

(1)

```
Daily Mean Water Level and Flow at 1HA14 on A
   1992 H Q
                      1993 H
  19-Mar 0.12 0.13
                     19-35ar 0.30 0.76
                     20-Mar *0.34
 20-Mar 0.12 0.13
                                   0.97
  21-Mar *0.12 0.13
                     21-Mar *0.37
                                  1.15
  22-Mar *0.12 0.13
                     22-Mar 0.40
                     23-Mar 0.40
  23-Mar 0.12 0.13
                                  1.34
  24-Mar 0.14 0.17
                     24-Mar 0.39
                                  1.27
  25-Mar 0.14
                     25-Mar 0.37
               0.17
                                   3.15
  26-Mar 0.13
                     26-Mar 0.37
               0.15
                                   1.15
  27-Mar 0.13
               0.15
                     27-Mar *0.37
                                   1.15
  28-Mar *0.16
               0.22
                     28-Mar *0.36
                                   1.09
  29-Mar *0.19
               0.31
                     29-Mar 0.36
                                   1.09
  30-Mar 0.23
                     30-Mar 0.32
               0.45
                                  0.86
  31-Mar 0.21
                     31-Mar 0.33
               0.38
                                   0.92
   1-Apr 0.23
               0.45
                      1-Apr 0.35
                                   1.03
   2-Apr 0.20
               0.34
                       2-Apr 0.34
                                   0.97
   3-Apr 0.15
               0.19
                       3-Apr *0.34
                                   0.97
                       4-Apr *0.34
   4-Apr *0.15
               0.19
                                   0.97
   5-Apr *0.16
                       5-Apr 0.34
                                   0.97
               0.22
   6-Apr 0.17
               0.25
                       6-Apr 0.36
                                  1.09
   7-Apr 0.18
               0.28
                       7-Apr 0.34
                                   0.97
   8-Apr 0.20
               0.34
                       8-Apr 0.33
                                   0.92
   9-Apr 0.24
                       9-Apr *0.33
               0.49
                      10-Apr *0.32
  10-Apr 0.27
               0.62
                                   0.86
  11-Apr *0.27
                      11-Apr *0.31
               0.62
                                   0.81
  12-Apr *0.28
                      12-Apr *0.30 0.76
               0.66
  13-Apr 0.28
               0.66
                      13-Apr 0.30
                                   0.76
  14-Apr 0.23
               0.45
                      14-Apr 0.30
                                   0.76
  15-Apr 0.23
               0.45
                      15-Apr 0.30
                                   0.76
  16-Apr 0.22
                      16-Apr 0.29 0.71
              0.41
  17-Apr *0.22
                      17-Apr *0.29 0.71
               0.41
  18-Apr +0.21
                      18-Apr *0.28
               0.38
                                  0.66
  19-Apr *0.21
               0.38
                      19-Apr 0.28
                                  0.66
  20-Apr *0.20
               0.34
                      20-Apr 0.27
                                   0.62
  21-Apr 0.20
              0.34
                      21-Apr 0.25
                                  0.53
  22-Apr 0.20 0.34
                      22-Apr 0.26 0.57
  23-Apr 0.19
              0.31
                      23-Apr 0.26
                                  0.57
                      24-Apr *0.27
  24-Apr 0.18 0.28
                                   0.62
  25-Apr #0.18 0.28
                      25-Apr *0.28
                                   0.66
  26-Apr *0.17
                      26-Apr 0.30
               0.25
                                  0.76
  27-Apr 0.17
               0.25
                      27-Apr 0.33
                                   0.92
  28-Apr 0.26 0.57
                      28-Apr 0.39
                                  1.27
  29-Apr 0.25 0.53
                      29-Apr 0.33 0.92
  30-Apr 0.20 0.34
                      30-Apr 0.31
                                  0.81
                      1-May *0.34
   1-May *0.28
               0.66
                                   0.97
   2-May *0.36
                1.09
                       2-May 10.37
                                   1.15
   3-May +0.44
                       3-May 0.41
               1.61
                                   1.40
   4-May *0.52
                       4-May 0.40 1.34
               2.21
   5-May 0.60
                       5-May 0.34 0.97
               2.96
   6-May 0.57 2.68
                       6-May 0.38 1.21
   7-May
          0.55
                2.50
                       7-May 0.38
                                   1.21
   8-May
         0.50
                       8-May 10.37
                2.07
                                   1.15
   9-May 10.50
                2.07
                       9-May 0.36
                                   1.09
  10-May *0.50
                      10-May 0.35
                2 07
                                  1.03
  11-May 0.50
                      11-May 0.35 1.03
               2.07
  12-May
         0.45
                1.68
                      12-May 0.34
                                   0.97
  13-May 0.45
                1.68
                      13-May 0.32 0.86
  14-May
         0.56
                      14-May 0.30
                2.59
                                   0.76
                      15-May *0.33 0.92
  15-May
         0.50
                2.07
                      16-May *0.36 1.09
  16-May *0.49
                1.99
  17-May *0.48
                      17-May 0.40
                1.91
                                   1.34
  18 May 0.47
                1.83
                      18-May 0.40 1.34
  19-May
         0.47
                      19-May 0.51 2.15
                1.83
  20-May 0.50
                      20-May 0.51 2.15
                2.07
  21-May 0.49
                      21-May 0.42 1.47
                1.99
                      22-May 40.41 1.40
  22-May 0.46
                1.76
                      23-May *0.40
  23-May *0.44
                                    1.34
                1.61
  24-May *0.42
                1.47
                      24-May 0.40
                                    1.34
  25-May 0.41
                      25-May 0.39 1.27
                1.40
  26-May 0.42
                1.47
                      26-May 0.39 1.27
  27-May 0.40
                1.34
                      27-May 0.38 1.21
   28-May 0.39
                1.27
                      28-May 0.37 1.15
   29-May 0.40
                      29-May *0.37
                1.34
                                    1.15
   30-May *0.40
                      30-May *0.38 1.21
                1.34
   31-May *0.40
                      31-May 0.38 1.21
                1.34
    1-Jun 40.40
                1.34
                        1-Jun +0.38
                                    1.21
    2-Jun 0.40 1.34
                        2-Jun 0.39 1.27
    3-Jun 0.40
               1.34
                        3-Jun 0.39 1.27
```

```
Daily Mean Water Level and Flow at 111A14 on A
   1992 H
                Q
                       1993 R
   4-Jun 0.39
               1.27
                        4-Jun 0.40
                       5-Jun *0.40
   5-Jun 0.39
               1.27
                                    1.34
                       6-Jun +0.40
   6-Jun +0.39
                                    1.34
               1 27
                       7- Inn 0 40
   7-Jun *0.38
                                    1.34
               1.21
   8-Jun 0.37
               1.15
                       8-Jun 0.47
                                    1 83
   9-Jun 0.35
               1.03
                       9-Jun 0.50 2.07
  10-Jun 0.35
               1.03
                       10-Jun 0.61
                                    3.06
                       11-Jun 0.80
                                    5.22
  11-Jun 0.37
                1.15
                       12-Jun *0.81
                                    5.35
  12-Jun 0.39
               1.27
                       13-Jun *0.82
                                    5 48
  13-Jun +0.39
                1.27
   14-Jun *0.40
                1.34
                       14-Jun 0.83 5.61
                       15-Jun 0.76
                                    4.72
   15-Jun 0.41
                1.40
   16-Jun 0.40
                       16-Jun 0.70
                1.34
   17-Jun *0.39
                       17-Jun 0.65
                                    3.47
                1.27
                       18-Jun 0.60
                                    2.96
   18-Jun 0.38
                1.21
                       19-Jun *0.58
                                    2.77
   19-Jun 0.36
               1.09
   20-Jun *0.47
                 1.83
                       20-Jun *0.57
                                    2.68
   21-Jun +0.58
                       21-Jun 0.56
                                    2.59
                2.77
   22-Jun 0.70
               4.01
                       22-Jun 0.56
                                     2.59
                       23-Jun 0.52 2.24
   23-Jun 0.76
                4.72
                       24-Jun 0.50
                                    2.07
   24-Jun 0.66 3.58
   25-Jun 0.63
                 3.26
                       25-Jun 0.49
                                     1 99
   26-Jun 0.60
                2.96
                       26-Jun *0.49 1.99
                       27-Jun *0.48
                                     1.91
   27-Jun +0.58
                 2.77
   28-Jun *0.56
                       28-Jun 0.48 1.91
                 2.59
                                     1.91
                       29-Jun 0.48
   29-Jun 0.55
                 2.50
   30-Jun 0.55
                 2.50
                        30-Jun 0.45
                                     1.68
     1-Jul 0.50
                2.07
                         1-Jul 0.40 1.34
     2-Jul 0.50
                 2.07
                         2-Jul 0.40
                                     1.34
     3-Jul 0.49
                1.99
                         3-Jul *0.43
                                     1.54
     4-Jul *0.46
                         4-Jul *0.46
                                     1.76
                 1.76
                         5-Jul 0.50
                                     2.07
     5-Jul *0.43
                 1.54
                         6-Jul 0.50
                                     2 07
     5-3ul
          0.40
                1.34
     7-Jul
           0.49
                 1.99
                         7-Jul 0.49
                                     1.99
                          8-Jul 0.45 1.68
     8-Jul
          0.47
                1.83
                         9-Jul 0.43
                                      1.54
     9-Jul 0.47
                 1.83
                         10-Jul *0.42
    10-Jul 0.48
                                      1.47
                 1.91
                         11-Jul +0.41
                                      1.40
    11-Jul *0.44
                1.61
    12-Jul +0.41
                 1.49
                         12-Jul 0.40
                                     1.34
                         13-Jul 0.40
                                     1.34
    13-Jul 0.38
                 1.21
    14-Jul 0.37
                         14-Jul
                               0.39
                                      1.27
                 1.15
                         15-Jul 0.40
                                     1.34
    15-Jul 0.37
                 1.15
                         16-Jul 0.38
                                      1.21
    16-Jul 0.36
                 1.09
                         17-Jul *0.36
    17-Jul 0.34
                 0.97
                                      1.09
                         18-Jul *0.34
                                      0.97
     18-Jul *0.34
                 0.97
    19-Jul *0.34
                 0.97
                         19-Jul 0.32
                                      0.86
                         20-Jul 0.30
                                      0.76
    20-Jul 0.34
                 0.97
                         21-Jul 0.30
                                      0.76
     21-107 0.46
                 1.76
                         22-Jul 0.29
                                      0.71
    22-Jul 0.45
                 1.68
                                      0.71
     23-Jul 0.47 1.83
                         23-Jul 0.29
     24-Jul 0.40
                 1.34
                         24-Jul *0.27
                                      0.62
                         25-Jul *0.26
                                      0.57
     25-Jul *0.41 1.40
                         26-Jul 0.25
     26-Jul +0.42 1.47
                                      0.53
                         27-Jul 0.25
                                      0.53
     27-Jul 0.43 1.54
                         28-Jul 0.24 0.49
     28-Jul 0.38 1.21
     29-Jul 0.43
                 1.54
                         29-Jul 0.24
                                      0.49
     30-Jul 0.41 1.49
                         30-Jul 0.23
                                      0.45
                         31-Jul *0.23
                                      0.45
     31-Jul 0.40
                 1.34
     1-Aug *0.38 1.21
                         1-Aug *0.23
                                      0.45
     2-Aug *0.36 1.09
                         2-Aug 0.23
                                      0.45
                         3-Aug 0.22
     3-Aug 0.34 0.97
                                      0.41
     4-Aug 0.34 0.97
                          4-Aug 0.22
                                       0.41
     5-Aug 0.33 0.92
                          5-Aug 0.20
                                      0.34
                         6-Aug 0.20
                                      0.34
     6-Aug 0.35 1.03
                          7-Aug *0.21
                                      0.38
     7-Aug 0.34 0.97
                          8-Aug *0.22
     8-Aug 40.34 0.97
                                       0.41
     9-Aug *0.34 0.97
                          9-Aug 0.23
                                       0.45
                         10-Aug 0.23
                                       0.45
     10-Aug 0.34 0.97
                         11-Aug 0.24
                                      0.49
     11-Aug 0.33 0.92
                         12-Aug 0.21
                                       0.49
     12-Aug 0.33 0.92
     13-Aug 0.31 0.81
                         13-Aug 0.23
                                      0.45
                         14-Aug *0.23
                                       0.45
     14-Aug 0.30
                  0.76
     15-Aug +0.30 0.76
                                       0.45
                         15-Aug *0.23
     16-Aug *0.31 | 0.81
                         16-Aug 0.23
                                      0.45
     17-Aug 0.32 0.86
                         §7-Aug 0.21 0.38
     18-Aug 0.30 0.76
                         18-Aug 0.20
                                      0.34
     19-Aug 0.30 0.76
                        19-Aug 0.23 0.45
```

```
Daily Mean Water Level and Flow at HIA14 on A
   1992 H Q
                       1993 H
                                   O
  20-Aug 0.34 0.97
                     20-Aug 0.24 0.49
                     21-Aug *0.24
 21-Aug 0.33 0.92
                                   0.49
 22-Aug 0.32 0.86
                     22-Aug *0.25 0.53
 23-Aug 0.31
              0.81
                     23-Aug 0.25
  24-Aug 0.30
               0.76
                     24-Aug 0.23 0.45
 25-Aug 0.31
              0.81
                     25-Aug 0.23 0.45
  26-Aug 0.32
              0.86
                      26-Aug 0.22 0.41
  27-Aug 0.34
               0.97
                      27-Aug 0.21 0.38
 28-Aug 0.35
              1.03
                     28-Aug +0.21
                                   0.38
  29-Aug 0.34
              0.97
                      29-Aug *0.22 0.41
  30-Aug 0.33
               0.92
                      30-Aug 0.22 0.41
  31-Aug 0.32
              0.86
                      31-Aug 0.21 0.38
                       1-Sep 0.35 1.03
   1-Sep 0.34
               0.97
   2-Sep 0.34
               0.97
                       2-Sep 0.30
                                   0.76
   3-Sep 0.30
               0.76
                       3-Sep 0.30 0.76
   4-Sep 0.30
               0.76
                       4-Sep *0.30
                                   0.76
   5-Sep *0.30
               0.76
                       5-Sep *0.29
                                   0.71
   6-Sep *0.30
               0.76
                       6-Sep 0.29
                                   0.71
   7-Sep 0.30
                       7-Sep 0.29
               0.76
                                   0.71
   8-Sep 0.39
               1.27
                       8-Sep 0.27
                                   0.62
   9-Sep 0.40
               1.34
                       9-Sep 0.27
                                   0.62
  10-Sep 0.39 1.27
                      10-Sep 0.26
                                   0.57
  11-Sep 0.43
               1.54
                      11-Sep *0.26
                                   0.57
  12-Sep *0.44 1.61
                      12-Sep *0.25
                                   0.53
  13-Sep *0.46
                      13-Sep 0.24
               1.76
                                   0.49
  14-Sep 0.48
               1.91
                      14-Sep 0.24
                                   0.49
  15-Sep 0.73 4.36
                      15-Sep 0.23
                                   0.45
  16-Sep 0.64
               3.37
                      16-Sep 0.23
                                   0.45
                      17-Sep 0.24
  17-Sep 0.60
              2.96
                                   0.49
                      18-Sep *0.24
  18-Sep 0.54 2.41
                                   0.49
  19-Sep *0.49
                      19-Sep *0.23
               1.99
                                   0.45
  20-Sep *0.44
               1.61
                      20-Sep 0.23
                                   0.45
  21-Sep 0.40
               1.34
                      21-Sep 0.23
                                   0.45
  22-Sep 0.40
                      22-Sep 0.23
               1.34
                                   0.45
  23-Sep 0.39
               1.27
                      23-Sep 0.24
                                   0.49
                      24-Sep 0.22
  24-Sep 0.40
               1.34
                                   0.41
                      25-Sep *0.22 '0.41
  25-Sep 0.40 1.34
  26-Sep *0.40
               1.34
                      26-Sep *0.21
                                   0.38
  27-Sep *0.40 1.34
                      27-Sep 921
                                   0.38
  28-Sep 0.40
               1.34
                      28-Sep 0 20
                                   0.34
   29-Sep 0.39
               1.27
                      29-Sep 0.21
                                   0.38
  30-Sep 0.38 1.21
1-Oct 0.34 0.97
                      30-Sep 0.21
                                   0.38
                       1-Oct 0.22
                                   0.41
    2-Oct 0.35 1.03
                       2-Oct *0.20 0.34
    3-Oct *0.35
               1.03
                        3-Oct *0.18
                                   0.28
    4-Oct *0.34 0.97
                        4-Oct *0.17
                                   0.25
    5-Oct 0.33
               0.92
                        5-Oct *0.16 0.22
    6-Oct 0.40
                        6-Oct 0.15
               1.34
                                   0.19
    7-Oct 0.44 1.61
                        7-Oct 0.15 0.19
    8-Oct 0.40 1.34
                        8-Oct 0.14 0.17
    9-Oct 0.40 1.34
                        9-Oct *0.19 0.31
   10-Oct *0.40
                       10-Oct *0.24 0.49
               1.34
   11-Oct *0.39 1.27
                       11-Oct *0.29 0.71
   12-Oct 0.39 1.27
                       12-Oct 0.33 0.92
   13-Oct 0.40 1.34
                       13-Oct 0.26
                                   0.57
   14-Oct 0.40 1.34
                       14-Oct 0.20 0.34
   15-Oct 0.44 1.61
                       15-Oct 0.22
                                    0.41
   16-Oct 0.43 1.54
                       16-Oct *0.21 0.38
   17-Oct *0.43 1.54
                       17-Oct *0.20 0.34
   18-Oct *0.44 1.61
                       18-Oct 0.20
                                   0.34
   19-Oct 0.44 1.61
                       19-Oct 0.20 10.34
   20-Oct 0.45
               1.68
                       20-Oct *0.18
                                    0.28
   21-Oct 0.45 1.68
                       21-Oct 0.17
                                    0.25
   22-Oct 0.43 1.54
                       22-Oct 0.16 0.22
                       23-Oct *0.21 0.38
   23-Oct 0.42 1.47
   24-Oct *0.41 1.40
                       24-Out *0.26 0.57
   25-Oct *0.40 1.34
                       25-Oct 0.32
                                    0.86
   26-Oct 0.39 1.27
                       26-Oct 0.16 0.22
   27-Oct 0.38 1.21
                       27-Oct 0.15 0.19
   28-Oct 0.40 1.34
                       28-Oct 0.15
                                    0.19
   29-Oct 0.41 1.40
                       29-Oct 0.14 0.17
    30-Oct 0.40
                       30-Oct *0.16
               1.34
                                    0.22
   31-Oct #0.40
               1.34
                       31-Oct *0.18
                                    0.28
    1-Nov *0.40 1.34
                        1-Nov 0.20
                                    0.34
    2-Nov 0.40 1.34
                        2-Nov 0.20
                                    0.34
    3-Nov 0.39 1.27
                        3-Nov 0.18 0.28
    4-Nov 0.40 1.34
                        4-Nov 0.19 0.31
```

```
Daily Mean Water Level and Flow at 111A14 on A
   1992 H Q
                      1993 H O
   5-Nov 0.40 1.34
                      5-Nov 0.19 0.31
   6-Nov 0.37 1.15
                      6-Nov *0.18 0.28
   7-Nov *0.37
                      7-Nov *0.18 0.28
              115
  8-Nov 10.36 1.09
                      8-Nov 0.17 0.25
  9-Nov 0.36
              1.09
                      9-Nov 0.16 0.22
  10-Nov 0.36
              1.09
                     10-Nov 0.16 0.22
  11-Nov 0.35
               1.03
                     11-Nov 0.15 0.19
  12-Nov 0.34
               0.97
                     12-Nov 0.15 0.19
  13-Nov 0.42
                     13-Nov *0.17 0.25
              1.47
  14-Nov *0.41
               1.40
                     14-Nov +0.19 0.31
  15-Nov *0.40
               1.34
                     15-Nov 0.21 0.38
  16-Nov 0.40
                     16-Nov 0.20 0.34
               1.34
  17-Nov 0.49
                     17-Nov 0.20 0.34
              1 34
  18-Nov 0.35
                     18-Nov 0.20 0.34
               1.03
  19-Nov 0.38
               1.21
                     19-Nov 0.19 0.31
  20-Nov 0.40
              1.34
                     20-Nov 10.19 0.31
  21-Nov *0.40
               1.34
                     21-Nov #0.18 0.28
  22-Nov +0.40
                     22-Nov 0.18 0.28
               1.34
  23-Nov 0.40
               1.34
                     23-Nov 0.18 0.28
  24 Nov 0.39
                     24-Nov 0.17 0.25
               1.27
  25-Nov 0.39
                     25-Nov 0.17 0.25
              1.27
  26-Nov 0.39
               1.27
                     26-Nov 0.16 0.22
  27-Nov 0.37
               1.15
                     27-Nov *0.16 0.22
  28-Nov *0.35
                     28-Nov *0.16 0.22
               1.03
  29-Nov *0.33
                     29-Nov 0.16 0.22
               0.92
  30-Nov *0.31
                     30-Nov 0.15 0.19
               0.81
   1-Dec 0.30
               0.76
                      1-Dec 0.15 0.19
   2-Dec 0.28
               0.66
                      2-Dec 0.15 0.19
   3-Dec 0.28
               0.66
                      3-Dec 0.14 0.17
   4-Dec 0.27
               0.62
                       4-Dec *0.16 0.22
                      5-Dec *0.18 0.28
   5-Dec *0.26
               0.57
   6-Dec *0.25
               0.53
                       6-Dec 0.20 0.34
   7-Dec 0.24
               0.49
                       7-Dec 0.21
                                   0.38
   8-Dec 0.24
               0.49
                       8-Dec 0.19 0.31
   9-Dec 0.24
              0.49
                      9-Dec 0.18 0.28
  10-Dec 0.25
                      10-Dec 0.17 0.25
               0.53
  11-Dec 0.24
                      11-Dec *0.17 0.25
               0.49
  12-Dec *0.24
                      12-Dec *0.17 0.25
               0.49
  13-Dec *0.24
               0.49
                      13-Dec *0.16 0.22
  14-Dec 0.24
               0.49
                      14-Dec 0.16 0.22
  15-Dec 0.24
               0.49
                      15-Dec 0.16 0.22
  16-Dec 0.25
                      16-Dec 0.15 0.19
               0.53
  17-Dec 0.28
              0.66
                      17-Dec 0.15 0.19
  18-Dec 0.26
              0.57
                      18-Dec *0.15 0.19
  19-Dec *0.26 0.57
                      19-Dec *0.15 0.19
  20-Dec *0.25
               0.53
                      20-Dec 0.15 0.19
  21-Dec 0.25
               0.53
                      21-Dec 0.15 0.19
  22-Dec 0.25
                      22-Dec 0.14 0.17
              0.53
  23-Dec 0.25
              0.53
                      23-Dec 0.14 0.17
  24-Dec 0.24 0.49
                      24-Dec 0.13 0.15
  25-Dec +0.26
               0.57
                      25-Dec *0.13 0.15
  26-Dcc *0.28
                      26-Dec *0.13 0.15
               0.66
  27-Dec #0.29
               0.71
                      27-Dec *0.14 0.17
  28-Dec 0.30
              0.76
                      28-Dec 0.14 0.17
  29-Dec *0.29 0.71
                      29-Dcc 0.14 0.17
  30-Dec 0.28 0.66
                      30-Dec 0.15 0.19
  31-Dec *0.27 0.62 31-Dec 0.14 0.17
```

### **APPENDIX-B**

# EXISTING WATER SUPPLY FACILITIES AND THEIR EVALUATION

## APPENDIX B EXISTING WATER SUPPLY FACILITIES AND THEIR EVALUATION

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## APPENDIX B EXISTING WATER SUPPLY FACILITIES AND THEIR EVALUATION

#### B1 Existing Water Supply Facilities

#### B1.1 Lake Intake and Rising Mains

The Lake Intake comprises of an old pump house which houses four centrifugal pumps drawing water through four suction pipes leading from the Lake and fitted with foot valves and strainers and secondly a new well intake fitted with four new centrifugal pump sets also fitted with foot valves and strainers.

A fifth centrifugal pump is installed in a shed with separate 200 mm diameter suction main leading from the lake and connected to the existing delivery pipe manifold of the four new pumps.

In addition, two bulk meters are installed in-line on the two rising mains which are not operating at present.

#### B1.1.2 Raw Water Pumps and Rising Mains

The existing 225 mm and 300 mm diameter meter asbestos-cement raw water mains were reinforced with a new 450 mm diameter steel main and connected half way between the Lake Intake Works and Lake Water Treatment Works, during the Immediate Measures Works Project carried out in 1988/89.

The existing two raw water mains then join again at the Treatment Works site to form a single 450 mm diameter steel main which flows into the inlet mixing/dosing splitter chamber at the New Treatment Works.

The existing four centrifugal pumps in the new intake were originally designed as submersible pumps as three duty and one stand by. At present all the four pumps are operating 24 hours a day to meet the demand.

There are four pumps available for use in the old pump house. These are all existing pumps which were re-installed after modifications during the Emergency Works Project. Three of the pumps are very old and although these have been operating successfully over the last couple of years, they are

beginning to show signs of wear in the motor couplings and bearings. The fourth pump is in a fairly good condition.

The fifth intake pump which was installed in the shed has broken down, yet again, the reason being that this pump is connected to the same delivery pipe manifold of the existing four submersible pumps and cannot pump against the pressure (head) of these four pumps at the Lake Intake Works.

Table B-1 Existing Water Pump Capacities at Lake Intake Works

Location	Pump No.	Pump Type	Speed (rpm)	Motor (kW)	Discharge at 27.5 m Head (1./s)
New Intake	1	CAPRARI - TYPE FR. 411050	1700	22	50
	2	CAPRARI - TYPE XADK 54774	1700	30	50
	3	KSB - TYPE BDF 2001.D	2900	30	60
	4	KSB - TYPE D2505	1650	37	60
Old Intake	1	Modified ROVATTI - 54K 100/2	1450	37	60
	2	KSB ETANORN - 100 315	1450	19	50
	3	Modified ROVATTI - 54K 100/2	1450	37	60
	4	HARLAND - SDB 5/6	1700	30	60
In shed	5	HARLAND - SDB 5/6	1700	30	60

#### B1.2 Lake Water Treatment Works

#### B1.2.1 General

There are three sets of treatment and process units at the Lake WTW known as:-

- 1. New Treatment Works
- 2. Old Treatment Works commissioned in 1968 and
- 3. Very Old Treatment Works commissioned in 1956.

Major civil works and modifications were carried out in 1988-89 at the Lake WTW These included:-

- Erection of a steel panel backwash tank adjacent to the New Works Units and fed from the treated water rising main.
- The installation of dispersal cones to all sedimentation tanks and of lamella plates/tubes to the second and third sedimentation tanks of the New Works.
- Inlet and dosing modifications so that all raw water enters in single splitter box, is chemically dosed by gravity dosers and proportionally sub-divided to flow into various Treatment Works Units.

- 4. Modifications to site pipework to convey the additional water between components.
- Modifications to suction pipework of the New Treated Water Pumps to facilitate start up at a low water level in the clear reservoir, together with installation of pump priming system.

#### **B1.2.2** New Treatment Works

#### (1) Inlet Dosing and Mixing Arrangements

All the raw water from the Lake Intake enters the new single inlet chemical dosing/mixing/splitter box where alum is dosed. It incorporates the chemical store and mixing tanks system beneath it. Transfers from the mixing tanks to day tanks used to be done by two electrically operated booster pumps which are not operational at present. Mixing used to be done by two electrically operated stirrers. At present one is operational and the other broken down.

Mixing is now done manually and dosing by gravity directly into the splitter box. The dosed water flows over proportionally sub-divided and suitable sized weirs towards the New, the Old and the Very Old Treatment Works Units.

#### (2) Sedimentation Tanks and Filters

There are three vertical flow sedimentation tanks and four rapid gravity filters.

The sedimentation tanks were fitted with dispersal cones to improve the upflow efficiency and sets of lamella tubes/plates installed to increase the throughput of these units. The lamella plates have since been removed due to corrosion but the dispersal cones are still in place.

The four rapid gravity filters are operating at full capacity and need replacement of the filter media. The back washing of the filters is not done under controlled conditions since substantial amount of sand is washed over during the backwashing process.

#### (3) New Elevated Backwash Steel Tank

There is a 200 m<sup>3</sup> and 4.50 m high steel panel backwash tank installed in 1988 - 89 which is used for backwashing the new filters.

#### **B1.2.3** Old Treatment Works

The Old Treatment Works was commissioned in 1968 and comprises of four vertical flow sedimentation tanks and four rapid gravity filters.

Dispersal cones were installed in all the sedimentation tanks during the Immediate Works Contract in 1988/89 to improve upflow efficiency of these tanks.

There is a chemical store adjacent to the Old Treatment Works.

Three of the process units are operating at full capacity and one is non functional.

#### **B1.2.4** Very Old Treatment Works

The Very Old Treatment Works was commissioned in 1956 and comprises of four vertical flow sedimentation tanks and four rapid gravity filters.

Dispersal cones were installed in all the sedimentation tanks during the Immediate Works Contract in 1988/89 to improve upflow efficiency of these tanks.

All the process units are operating at full capacity.

#### **B1.2.5** Storage Reservoirs

There are two clear water tanks (Reservoirs) at the Lake Treatment Works site and neither of the two has ever been full due to the demand.

#### B1.2.6 Old Elevated Steel Backwash Tank

The old elevated steel panel tank which backwashes the filters at the Old and Very Old Treatment Works is leaking badly and needs replacement or to be abandoned and scrapped and all the existing pipework connected to the New Steel Elevated Tank.

There is an abandoned and broken backwash pump which used to pump water to the Old Elevated Backwash Tank. This pump should be repaired and connected to the New Elevated Backwash Tank.

#### B1.2.7 Treated Water Pump Houses (High Lift Pumps)

There are two pump houses at the Treatment Works. The old pump house presently contains six centrifugal pumps and delivers water through two parallel 225 mm and 150 mm diameter pumping mains directly into distribution system. At present only four pumps are operational.

The new pump house contains eight pumps and all eight pumps are required to operate in order to meet the current demand. At present only six pumps are operational. Water is delivered through two parallel 225 mm diameter and 300 mm diameter pumping mains to the Watson Bank Service Reservoir for distribution.

#### B1.2.8 Site Works

All the site pipework and fittings are satisfactory.

The access road, street lighting and security lights at various process units including fencing and gate all need refurbishment and /or repairs.

#### B2 Evaluation of the Existing System for Rehabilitation

#### B2.1 Lake Intake Works and Rising Mains

#### **B2.1.1** Lake Intake Works

The five suction pipes (two 9" diameter, two 6" diameter and one 8" diameter) leading from the Lake Intake to the Old pump house have serious problems of clogging the foot valves and the strainers with water hyacinth and its roots.

Serious thought and consideration have been given to address this problem by constructing some sort of retaining wall or chamber or coffer dam around the intake pipes to avoid water Hyacinth coming in contact with the suction pipes.

All the strainers and foot-valves need replacement and/or refurbishment including all the fittings associated with it.

The suction pipework including the foot valves and strainers at the new well intake (next to the old intake) are in good condition and functioning satisfactorily.

The penstock at the inlet to the New Intake Works cannot be closed for maintenance and/or repairs because it has holes drilled in it.

#### B2.1.2 Raw Water Pumps

There are four raw water pumps in the old pump house rated at 27.5 m head with pumping capacity of 50 to 60 L/s. Three of these pumps are very old and need replacement. The fourth pump is in a fairly good condition. All the electrical work including control panels starters etc, are very old and need replacement in the Old Pump House.

The fifth intake pump which was installed in the shed has broken down and needs replacement. The delivery pipework also needs modifications.

There are no suction valves to isolate the pumps and the motors for removal in the Old Pump House. Two 225 mm diameter and two 150 mm diameter sluice valves are required. Besides the above all the four delivery valves are leaking badly and need replacement together with the non-return valves. The size of all the sluice/gate valves and the non-return valves is 150 mm diameter.

There are two bulk flow meters and chambers on the two 225 mm diameter, raw water mains which are out of order and both need replacement.

There are four centrifugal pumps and motors at the New Intake. These pumps are operating satisfactorily. There are three 150 mm diameter, foot valves and strainers on the suction pipes and one 200 mm diameter. All the four sluice valves are leaking badly and need replacement. One non-return valve is not operational and needs replacement.

Since all the four pumps and motors are operating full time 24 hours a day, it would be advisable to have one similar pump and motor in store as standby or spare in case of emergency and/or breakdown. Both the New and the Old IntakeWorks pumps and motors including the electrical system have been checked by the Kenya Power and Lighting Company. They have advised that the intake motors consume too much electricity than necessary.

The Kenya Power and Lighting Company has advised to check and if necessary, correct the power factor by installation of capacitors between the pumps/motors and the existing transformer located outside the Intake Works compound.

Substantial savings could be made by reducing the electricity bill for the intake pumps by carrying out the above mentioned work.

#### B2.1.3 Rising Mains

At present the existing raw water rising mains are running to its full capacity. With increased treatment capacity at the Treatment Works, the existing rising mains should be duplicated from where the new 450 mm diameter steel main was connected half way between the Lake Intake Works and the Lake Treatment Works.

If the Treatment Works capacity is not increased and by carrying out the necessary repairs, modifications, additions and refurbishment, the existing raw water mains capacity could sustain the maximum design capacity of the Treatment Works of 20,500 m<sup>3</sup>/d.

#### **B2.1.4** Stand-by Diesel Generator

At present there is no stand-by generator at the Intake Works for emergency in case of power failure. With all the proposed modifications and refurbishment, a 350 kW diesel generator would be required including diesel storage tank for a minimum of week's supply.

#### B2.1.5 Site Services at Intake Works

### (1) Fencing & Gate

The existing fencing around the intake works is damaged and partly missing including the gate

The security at the Lake Intake Works could be improved by replacement of the fencing and gate, including the fence around the staff houses.

#### **B2.1.6** Communications

At present there is no contact between the Intake Works and the Treatment Works or the Town Hall in case of an emergency or breakdown.

The installation of either a Radio Call System or telephone with connection to the Treatment Works, Town Hall and outside (suppliers of spares or electrical items) is recommended.

#### **B2.2** Lake Water Treatment Works

#### **B2.2.1** New Treatment Works

# (1) Inlet Dosing and Mixing Chamber

All the raw water from the Lake Intake Works enters the New single inlet chemical dosing /mixing and splitter box where alum is dosed. To improve the flocculation and sedimentation process, pre-chlorination needs to be introduced at this chamber.

Additional chlorine mixing and dosing tanks including two FRN Type gravity dosers shall be provided adjacent to the inlet work.

The existing alum mixing and dosing tanks at the New Treatment Works need refurbishment. Transfer from the mixing tanks to the alum dosing tanks used to be done by two electrically operated booster pumps which are not working and need replacement.

The existing 300 mm diameter and 250 mm diameter sluice valves on the main before the inlet chamber are rusty and jammed and need replacement.

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(2) Sedimentation Tanks and Filters

There are three vertical flow sedimentation tanks and four rapid gravity filters. The sedimentation

tanks were fitted with lamella tubes/plates to increase the throughput of those units. The lamella

plates have since been removed due to corrosion.

The new sets of lamella plates made of reinforced glass fibre should be installed with aluminium

frame and support work.

The four rapid gravity filters which are operating at full capacity need the filter media replaced.

During back-washing process of the filters, substantial amount of sand is washed over. Flow

control valves or flow gauges should be provided to avoid this unnecessary wastage of (sand) filter

media.

The three 150 mm diameter de-sludging valves, three 50 mm diameter bleeder valves at the New

sedimentation tanks are leaking badly and need replacement.

(3) New Elevated Backwash Steel Tank

The 200 cm.m elevated backwash steel tank needs cleaning and all the steel structure work painted

and protected from corrosion.

**B2.2.2 Old Treatment Works** 

The Old Treatment Works has four vertical flow sedimentation tanks and four rapid gravity filters.

One of the sedimentation tanks is not operating to its full capacity and needs to be looked into. The

following valves which were installed in 1968 are leaking badly and need replacement and lor

refurbishment.

These are:-

(a) De-sludging valves

 $-\phi 100 \text{ mm} - 4 \text{ No}$ 

(b) Bleeder Valves

 $-\phi$  50 mm - 4 No

The four rapid gravity filters also need the filter media replaced, flow control valve on the backwash system installed and the following valves in the filter gallery replaced:-

(c)	Backwash inlet valve	$-\phi 200$	mm - 4 No
(d)	Clear Water outlet valve	$-\phi$ 100	mm - 4 No
(e)	Backwash drainage valve	$-\phi 200$	mm - 4 No
(f)	Clear Water inlet valve	- <b>∮</b> 150	mm - 4 No

There is only one existing air-blower for air-scour rated at 0.6 bars and motor capacity of 10 horse power

A second Air-blower as standby would be recommended.

# **B2.2.3** Very Old Treatment Works

The Very Old Treatment Works has four vertical flow sedimentation tanks and four rapid gravity filters.

The following valves which were installed in 1956 are leaking badly and need replacement in the filter gallery:-

These are:-

(a)	Filter drain valves	$-\phi 200$	mm - 4 No
(b)	Filter backwash valves	$-\phi 200$	mm - 4 No
(c)	Clear water outlet valves	- Ø 150	mm - 4 No
(d)	Filter inlet stop valves	$-\phi 150$	mm - 4 No

The eight pressure gauges on the filter mains are also out of order and need replacement.

The four rapid gravity filters also need the filter media replaced and the flow control valves on the backwash system installed to avoid sand being washed over during the backwash process.

# **B2.2.4** Storage Reservoirs

The existing two clear water reservoirs at the Lake Treatment Works do not have "level indicator" gauges and roof ventilation on the new tanks was not provided.

With increased capacity of the existing treatment plant, addition storage capacity shall also be required. There is adequate space available at the existing site for further expansion of the works including storage tanks.

# **B2.2.5 Treated Water Pump Houses**

# (1) Old High Lifted Pump House

The Old High Lift Pump House consist of six pumps rated between 19 L/s to 23 L/s at 77 meters to 94 meters head. Four of these pumps (MAKE: HARLAND) are very old including the delivery, suction and non-return valves which are leaking badly. The other two pumps (MAKE: KSB) are new pumps and operating satisfactorily, but all the valves are leaking and need replacement.

There are two bulk flow meters of 225 mm diameter and 150 mm diameter on the outlet mains from the Very Old Pump House. The 225 mm diameter meter is not operational and needs replacement.

The following valves which were installed in 1956 are leaking badly and need replacement.

These are:-

(a)	Delivery valves	$-\phi 150$	mm - 6 No
<b>(</b> b)	Non-Return valves	$-\phi 150$	mm - 6 No
(c)	Suction valves	$-\phi 150$	mm - 6 No

All the existing old pumps need to be replaced with bigger and fewer pumps.

# (2) New High Lift Pump House

The New High Lift Pump House consists of eight pumps rated between 24 L/s to 36 L/s at 77 metres to 87 metres head. Six of these pumps (MAKE: HARLAND) are very old and two are currently out of order due to lack of spares.

The other two pumps (MAKE: KSB) are new and operating satisfactorily. All the delivery, suction and non-return valves on these pumps are very old, leaking badly and need replacement.

There are two bulk meters of 225 mm and 300 mm diameters on the existing two outlet mains from the New High Lift Pump House. The 225 mm diameter meter is operating but needs servicing, but the 300 mm diameter flow meter is not operational and needs replacement.

The following valves which were installed in 1968 are leaking badly and need replacement and/or refurbishment.

These are:-

(a) Delivery valves

 $-\phi 150 \text{ mm} - 8 \text{ No}$ 

(b) Non-Return valves

-φ150 mm - 8 No

(c) Suction valves

 $-\phi$  150 mm - 8 No

Table B-2 Existing Water Pump Capacities at Lake Treatment Work Old and New

Pu	mp	Н	ouse

ſ	ump_Hou	se			
Location	Pump No	Pump Type	Speed (tpm)	Motor (kW)	Discharge at 77 m Head (IJs)
Old Pump	ı	KSB - TYPE - MOVI 65/2	2900	37	23
House	2	KSB - TYPE - MOVI 65/2	2900	37	23
	3	Harland Pump	1450	34	23
	4	Harland Pump	1450	40	23
	5	Harland Pump	1450	37	23
	6	Harland Pump	1450	37	23
New Pump	1	Harland Pump	1450	37	35
House	2	Harland Pump	1450	37	35
	3	Harland Pump	1450	37	35
	4	Harland -SDB 5/6	1450	37	35
	5	Harland - SDB 5/6	1450	37	35
	6	Harland - SDB 5/6	1450	37	35
	7	KSB - TYPE - MOVI 65/2	2950	37	24
	8	KSB - TYPE - MOVI 65/2	2950	37	24

#### **B2.2.6** Chemical Buildings

All the chemical mixing tanks for chlorine, alum and soda ash are in very poor condition and state of repairs.

All the tanks in the Old, Very Old and New Treatment Works need repair and refurbishment including the replacement of all gravity dosers, mechanical stirrers, all dosing pipework, valves and fittings (to be replaced by PVC material).

A new gantry crane is required for loading/un-loading all the chemicals at the main chemical building. All the electrical wires, fittings and fixtures also need to be replaced as all the existing is corroded and not working. All the door handles and locks, window latches etc. are also rusted and need replacement.

#### B2.2.7 Site Works

# (1) Fencing and Gate

The existing fencing at the Treatment Works site is damaged and needs to be replaced. The main gate needs painting and refurbishment/repairs.

# (2) Street / Access Road Lighting and Security

The existing street/access road lightings have been damaged by vehicular traffic and needs replacement. All the security lights at various process units are also in need of rehabilitation.

# (3) Health and Safety at Work

The operations staff at the Intake Works and Treatment Works are provided with overalls and gum boots. They have been observed to be working without gloves and goggles especially when handling chlorine and other chemicals.

All the "Health and Safety at work" regulations should be followed

#### (4) Communications

At present there is no contact between the Intake Works and the Treatment Works, Kibuye Reservoir site, Kajulu Water Works or the Town Hall in case of an emergency or breakdown.

The installation of either a Radio Call System or telephone with connection to the Treatment Works, or Town Hall and outside (supplies of spares or electrical items) is recommended.

# (5) Staff Houses

All the existing Staff Houses are in poor condition and need complete refurbishment/repairs and painting etc.

Addition staff houses for operational staff should also be considered if the Treatment Plant is extended.

# **B2.2.8** Stand-by Diesel Generators

At present there is no stand-by generator at the Lake Treatment Works for emergency in case of power failure. With all the proposed rehabilitation and extension of the Lake Treatment Works, a 750 kW diesel generator would be required including diesel fuel storage tank for a minimum of week's supply.

# **B3** Kibuye Distribution Reservoir Site

# B3.1 Reservoir No. 1 - (Sectional Steel Ground Level Tank)

This tank was built in 1925 at Ground Level. It is a twin compartment tank with a total capacity of 456 m<sup>3</sup> and top water level (TWL) of 1196.00 m above MSL (Each compartment being 228 m<sup>3</sup> capacity).

Water stopped coming into this tank from Kajulu Water Works because all the water is used enroute. The tank is empty at present and needs complete refurbishment, cleaning, painting, protection and repairs of all the inlet, outlet, and scour valves.

# B3.2 Reservoir No. 2 - (Sectional Steel Elevated Tank)

The existing sectional steel panel elevated tank was built in 1957. It has a capacity of 109 m<sup>3</sup>.

The steel tower frame including the tank panels are all rusted and very old. The municipal council plans to dismantle and scrape it.

# B3.3 Reservoir No. 3 - (Sectional Steel Elevated Tank)

The existing sectional steel elevated tank was built in 1968. It has a capacity of 278 m<sup>3</sup> with TWL. 1212.00 m above MSL.

The condition of the tank and the steel tower is satisfactory. It needs painting and cleaning.

# B3.4 Reservoirs No. 4 & 5 - (Reinforced Concrete Ground Level Tank)

These tanks were built in 1947 and 1950 respectively with different capacities of 455 m³ and 910 m³ each and the same TWL. of 1196.00 m above MSL.

The structural condition of both these tanks is good but needs repainting of all the structural work, steel work and replacement of internal ladders with aluminium or GRP ladders.

# B3.5 Reservoir No. 6 - (Reinforced Concrete Ground Level Tank)

This tank was built in 1980, has a capacity of 5,000 m<sup>3</sup> and TWL 1193.43 m above MSL. The tank floor leaks badly and needs complete re-lining internally to make it water tight.

#### B3.6 Pump House

The existing pumphouse was built in 1982 to accommodate 4 new centrifugal pumps. This pumphouse is designed to boost water from the Kibuye ground level tanks into the distribution network to the east of Kibuye. Only three of the original four pumps are presently installed and operating.

The civil works at the pump house needs refurbishment and re-painting. All the existing pumps, including the delivery, suction and non-return valves need replacement. The electrical control panels are also in bad condition and need replacement and/or removal.

#### **B3.7** Staff Houses

The existing staff houses need refurbishment and/or repairs including complete re-painting. There is no electricity at present in these staff houses and needs to be provided.

# B3.8 Fencing, Gate and Access Road Works

The existing boundary fence is damaged and missing at places and needs to be replaced and the main gate repainted.

The access road into the works needs to be gravel surfaced to avoid very dusty conditions.

# B4. Kajulu Water Treatment Works

#### **B4.1** Intake Works

At present water is supplied from two intakes at Kajulu known as the Upper Intake and the Lower Intake. The weir level at upper intake is 1279.39 m above MSL and lower intake is 1272.59 m above MSL respectively.

There is an existing 150 mm diameter steel pipe approximately 300 m long from the upper intake terminating at the dosing/mixing chamber and an existing 225 mm diameter steel pipe approximately 60 m long from the Lower Intake to the dosing/mixing chamber at Kajulu Water Treatment Works.

To increase the capacity of the works, a new 250 mm diameter main should be laid parallel to the existing 225 mm diameter steel main from the lower intake.

# **B4.2** Kajulu Water Treatment Works

Raw water from the two intakes is delivered to the dosing/mixing chamber when alum is dosed. The dosed water then flows through a set of flocculation basins, and on to the sedimentation tank where the settled water is dosed with chlorine and soda ash.

After passing through the pressure filters, water is supplied direct into the distribution area of the upper zone of the Municipality.

- B4.3 Proposed Rehabilitation / Modifications / Extensions Required at Kajulu Water Intake and Treatment Works to Increase the Current Capacity of 1,400 m<sup>3</sup>/day 1,600 m<sup>3</sup>/day to 2,800 m<sup>3</sup>/day
- (1) Duplicate the existing 225 mm diameter steel main with a 250 mm diameter steel main from Lower Intake Works to the dosing / mixing chamber approximately 300 metres long
- (2) Raising the existing coagulation entry channel wall by 0.5 m. This is to contain the intermittent overflow splashes out of the coagulation channel due to wind currents.

- (3) Replacing the existing 30 metres long 150 mm diameter steel coagulated water inlet pipes by single 250 mm diameter steel pipe to the sedimentation basin.
- (4) Modifying the existing sedimentation basin by installing a dispersion cone at the bottom inlet and installing a polygonal weir board fitted with "V" notches to match the shape of the basin at the tank outlet, and improving the inter-connection fittings for the delivery main from the sedimentation basin to the pressure filters.
- (5) Installation of new set of pressure filters including interconnecting pipework, all control valves, new filter sand and gravel including all electrical work in a new Filter House next to the existing one.
- (6) Replacement of the 6" (150 mm) diameter bulk flow meter at the outlet from the filter units at Kajulu Water Works.
- (7) Refurbishment and repairs of all staff houses (eight Nos) including main gate, fencing and the access road.

#### B5. Watson Bank Reservoir Site

#### B5.1. Watson Bank Reservoir

The existing Watson Bank Reservoir is a ground level reinforced concrete tank of 2,270 m<sup>3</sup> capacity. The ground level is 1181.10 m above MSL. The tank is in good condition.

# B5.2 Refurbishment Work Required

- (1) The existing level flow indicator has broken down and needs replacement.
- (2) The access road and the surrounding areas around the tank needs clearing of all the rubbish and debris removed.
- (3) All the steel work like the access external ladder, access manhole covers all the exposed pipework, valves and fittings in the chambers needs cleaning and repainting.

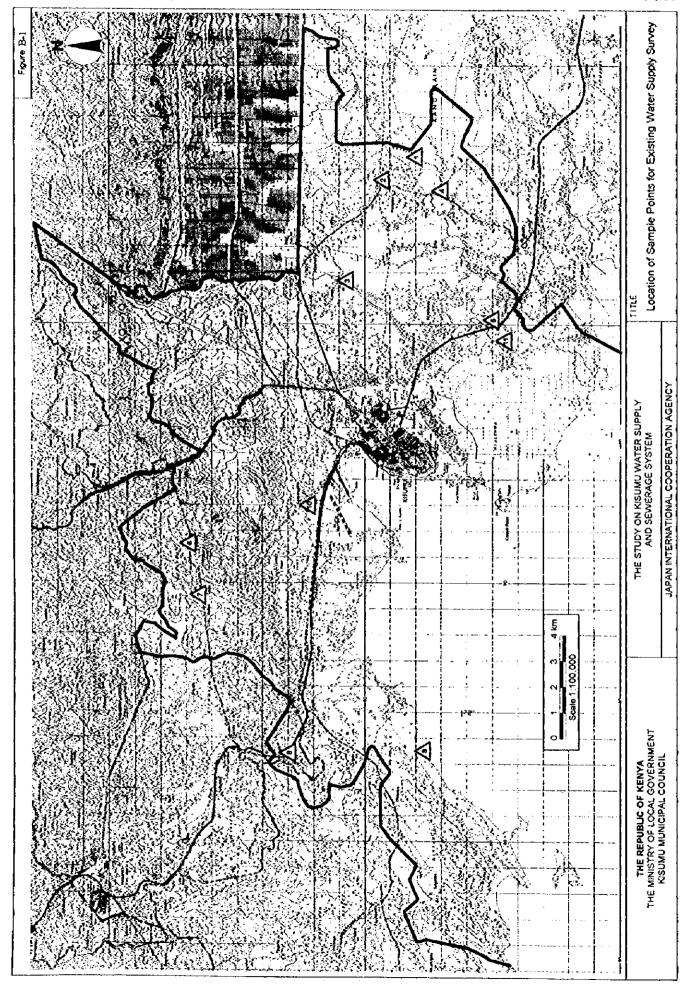
# **B6** Existing Water Supply Survey

#### **B6.1** Introduction

Existing Water Supply Survey is one of the field surveys under this Study and the survey results are reported in this Appendix. Survey was carried at sample points selected over the Study Area (Kisumu Municipality) during first field survey period. It was conducted directly by the JICA Study Team and GOK counterpart. Central part of Kisumu Municipality is served by piped water supply and peripheral areas rely on rural supplies which are sometime just the river or a well. Purpose of the survey was to investigate existing water supply conditions in the following two systems:

- Piped Water Supply System
- Rural Water Supplies

Survey area is within the Kisumu Municipality and 11 sample points for each different system, namely piped water supply area and rural water supply, as shown in Figure B-1, were selected.



#### B6.2 Results

Results of the survey are summarised in Tables B-1 and B-2. Discussion of the results are made in the following sections.

#### B6.2.1 Municipal Water Supply Area

# (1) Water Quality

Residual chlorine was detected at only two of 11 sample points. Turbidity of 4 points were 2, but that of other points were 5 or 10. Therefore, only 2 of 11 points met with drinking quality standard.

# (2) Residual Water Pressure

Residual water pressures of almost all points were very low, such as below 1 m (0.1kg/cm2), because the sample points was located at surroundings of downtown. As a reference, residual water pressures of additional 10 points in downtown area was from 4 to 6 m.

# (3) Supply Condition

Only one point can receive water by piped water supply system for continuously 24 hours. Other points receive water only from 5 a.m. to 10 a.m. (8 points) or from 6 a.m. to 6 p.m. (1 point). Although this result does not present overall condition in Kisumu, it can be understood that Kisumu is faced with severe supply condition. Overall existing condition for Kisumu Water Supply System is mentioned in the Main Report.

# (4) Alternative Sources during Water Suspension

River water or KIOSK can be used as alternative sources for 4 of 11 points. For other 7 points, however, there is no alternative sources.

Shallow well within the supply area can not be applied as alternative source, because of bad water quality. It is also difficult for population in service area to keep water from deep well, since there is not enough number of deep wells. Therefore, the population is obliged to use poor quality water from springs, shallow wells and rivers as alternative piped water.

#### (5) Health Condition

The result indicates that 3 of 11 samples (persons) have not suffered from diarrhea, typhoid, cholera and malaria. Three persons use water after boiling. Although other persons also know that boiled water is safe for drinking, they do not use boiled water because of high fuel expense.

#### (6) Service Pipes

Many consumers do not know the condition of service pipes. Service pipes belong to the consumers and should be maintained by the consumers. This is, therefore, due to luck of public relations. Information on pipe length for 4 points were obtained through the survey. Longest one is 200 m, and others are 10 to 25 m. The reason why the service pipes is needed to be long is that distance from house to available distribution pipeline is long, since distribution pipeline have not been developed or there is possibility of no water in nearest distribution pipelines. According to the hearing to population within existing piped water supply area, service pipes of 100 m long is not rare. It is, however, only for population of high income level. Other population buy water from KIOSKs or houses which receive water from piped system.

Leakage from service pipes have been detected at 4 points. Considering low residual water pressure (approximately 1 m), this result indicates that there are many leakages. In general, since length of service pipes is 50 % of total length of distribution pipelines and there are so many jointings, leakage from service pipes is 3 to 9 times of leakage from distribution pipelines. As the results, improvement of service pipes is urgent issue.

#### **B6.2.2** Rural Water Supply Area

# (1) Water Sources

The water sources of rural area is various such as river, stream, deep well, shallow well, the Lake Victoria and spring.

a) The samples which obtain water from deep wells are located at Chigga and Buoye, and these deep wells are maintained well by catholic church. Depth of wells are approximately 40 m for Chiga and 25 m for Buoye respectively. Well at Buoye seems to be shallow well due to small quantity of well water. Water qualities of both wells are not deteriorated, but the electric conductivity is high at more than 400  $\mu$  S/cm. It seems that well water contains basic matter and there is no problem for drinking water. In addition, floride of more than 3.0 mg/L is contained in both water and floride impediment was observed at neighbouring children. Water

quality test is conducted once a month at Nairobi University by Chigga Church, and its deep well is maintained well. Bore hole is checked periodically. This system at Chigga covers about 5,000 persons of 1,000 families, and is organised mainly by women.

- b) Shallow well at Buoye maintained by church is dried up. Other shallow wells near sample point have not also enough water, and are unsuitable for drinking due to poor water quality, i.e. NIL-N of 0.4 mg/l and turbidity of more than 30 degrees.
- c) There is no water quality problem except turbidity, if river has much water. Electric conductivity for small river and stream is very high compared with 100 for those upstream because of growth of algae and effect of wastewater. This is why it is no rain more than one month before survey. According to interview to population who use water of river and stream, flow rate becomes extremely small during dry season. River flowing through Aigo (Osiri) is dried up at the survey period. In this case, population take water from standing water which is only for several container of water.

#### (2) Distance to the Sources

Average distance to the sources is approximately 4 km. In the samples, children collect water 8 times a day using a 20 litters container.

# (3) Alternative Sources

Six samples do not have alternative sources. Four samples have alternative sources, but 5 to 10 km away.

#### (4) Health Condition

The result indicates that all samples (persons) have suffered from diarrhea, typhoid, cholcra and malaria. Although all persons know that boiled water is safe for drinking, they do not use boiled water because of high fuel expense.

Table B-1 Results of Survey on Existing Water Supply (1/2)

# 1. Piped Supply Area

C	Number of	Number of Sample Point		ļ	2	3	4	3	9	7	8	6	10	11	11 Manyata	Manyata
Ĺ															Deep well	Shallow well
Γ		Date		30/9/97	30/9/97	30/9/97	30/9/97	30/9/97	1/10/97	1/10/97	1/10/97	1/10/97	1/10/97	1/10/97	2/10/97	2/10/97
٢	1 Water Quality															
	<u> </u>	Ammonia ion	<u>γ</u>	ž	IZ Z	Ē	lία	lic	lin	lin I	Dil.	ЫÜ	ίσ	ijc	72	9.0
		Residual Chlorine	Ş	1.2	1.0		Įį u	E	EC.	lin nil	ΗC	lio	lju	lin.		
		Electrical Conductivity	mS/cm	210	2	199	200	187	183	185	189	185	186	186	440	550
		Ambient Temperature	ပ္မ	30.3		30.3	30.3	30.3	24.6	25.8	26.2	26.3	26.5	26.8	26.8	26.8
		Water Temperature	္ပ	26.2	27.9	28.8	29.5	24.6		27.4	27.9	2	28.5	28.5	27	25.5
		Ho		2.0		7.2	0.7	2.5	5'4	7.5	7.5		7.0	7.3	8.1	8.0
		Total hardness	mg/l	02	70	040			œ	40	30		8	4	25	80
	-	Turbidity	norths	7	2	2	01	10		10	10	10	2	2	۲	over 40
-			mg/l	0.8	9.0	0.8		0.8		0.8	0.8		0.8		3.2	1.2
			E	1.1	1.1	1.4	8'0	0.8 very low	8.0	0.7	0.6	0.5	0.2	0.1	\$ QQ	COD:40
N	2 Duration of distribution and water cut	and water cut										· ! .				
		Duration of distribution		6- 9am	5 Sam		6- 8am	6am-18	6am-9	6am-10	6am-18	5am-10	6am-7	6am-7 24 hours		
		Frequency water cut		1time/y	rare		1time/y	:	rare	2 times/m	3 times/m	2 times/m	5 times/m 2 times/m	2 times/m		
ဂ	3 Atternative source during water cut	ing water cut		none	river-4km	Kioek	river-near	9000	none	Kjosk	Kiosk	none	none	oce		:
1	A Hoset condition	Diarrhas					Yes	none	1		1	:	Ī:	none		
_		Typhoid			×es ×es		Yes	Υes					:	none		
		Cholera			Yes		Yes	none	Yes	none	Yes	none	none	none		
		Malaria			Yes		Yes	none	Yes	none · ·	Yes			none		
S	5 Meter condition	Working meter			Working	no working	Working	irregular	irregular	no working.	no working. no working Working			Working		Ì
		Location of meter		Outside	Outside		Outside	inside	Outside	Outside	Outside	Outside	Outside			
		Frequency of meter		ouce	aouo		once	once	ouce	once			¥ 11.27 12.77 13.77	once		
_		reading		a month	a month		a month	a month	a month	a month	a month	a month	tow month a month	month	:	
9	6 Condition of service pipes	sec.					1	:					:			
		Total length		12 m	200 m		10 m			П	1	╗				
		Diameter		12.5 mm  37.5mm	37.5mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	47		!
		Leakage		nil	nii .		leak	leak	leak	ē	Iic	nil	Fak		:	

Table B-2 Results of Survey on Existing Water Supply (2/2)

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╡	Number of Sample 1 Out	No. 1 Out to		70/01/07	79/01/67	2/10/97	2/10/97	2/10/97	2/10/97	2/10/97	2/10/9/	/8/0L/Z	78/01/2	60017
-	Date			•			opues:	Ricke	Ulafo	Muaruk	Aigo	Ogal Beach	Ogal Beach Soko kogweno	Buoye
2	2 Name of place			<u>გ</u>	Chiga	Nyamasana   Lwailua			hara)	•	(Osin)			Church
					VIISSINI V	100	Ctrasm	Wolleds	River	River	River	Lake	Spring	Deep well
3	3 Type of water	-		River	Ceep well		2000							
- 47	sources												Ini	
4	4 Water Quality	Phosphorus	SE SE	,	Ē		5			40	0.4	įċ	Įį.	
		Ammonia ion	μg		2				95	240	580	170	210	7
		Electrical Conductivity	mS/cm	200	450				36	7.0	27	26		
		Ambient Temperature	ပ္	58	92	8 8	N S		200	24	25	22		21
		Water-Temperature	္စ	23	20		<b>'</b>		272		7.3	8.8	7.5	
		I		7	8		מ		7 7 7	5,5		40		
		Total hardness	l/gm	35	20	45			2	3			Over 30	4
		Turbidity	units	Over 30	,	Over 30	Over 30		i	٥	2 0	7	9	3
			/ou	30	7	15	15			?	O		•	2 5
		200	) (C	0.8	3.5	0.8	0.8	-	0.8	0.8	의	8.0		
		riounac	2		Monitered		Algae				Algae	Algae		
_		200			once a		Existing					Existing		
					month		1							1.00
m	3 Water quantity			Fair	quite well	Fair	Very fair	Dry up	Fair		Very fair			185 L
					7 6.16 4.00	Avm Avm	Ave 4km	Ave 8km	Ave. 4km	Ave. 4km	Ave. 8km	Ave. 8km	Ave. 4km	
4	4 Distance to intake place	re place		7	AVC. 4KIII	Ove. 48	100	Т	Ave 20km	Ave 20km	Ave 20km	Ave 20km Ave 20km Ave 20km Ave 20km	Ave. 6 km	
15	Distance to publi	5 Distance to public water supply system		£	Ave. 8km	Ave. 5km	AVE. ORIII	_	UAC: 5.00	7 Lm 46	40.40	9000	Pool	
ω	6 Atternative sources	tes		5km to	none	none	none	Stream	none e	the Lake	the Lake	2		
						١	\ \ \ \	Γ	Yes	Yes	Yes	Yes	Yes	
7	7 Health condition Diarrhea	Diarrhea			3		23.5			Yes	Yes	Yes	Yes	
		Typhoid			Yes	163	200	200		Yes	Yes	Yes	Yes	
		Cholera		Yes	Yes	SS L	25				/#c	×e×	Yes	
		Malaria		Yes	Yes	Yes	Yes	Yes	163	201	6011			
a	Supply method					collecter	d at source:	collected at sources by consumers carrying buckets and jerry carry	ers carrying	DUCKETS at	io jerry carr	۵		
<del>-</del> -														
6	9 Remarks				Wind pump 25m3/d									