

LIST OF FLOW MEASUREMENT

ST.: 1-950 WATOPA PONTOON

NO.	DATE	-----[Feet - Second]-----				+++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
1	26-May-58	6.50	2970	3407	0.87	1.98	84	317	0.27
2	08-Aug-58	5.90	2358	3288	0.72	1.80	67	305	0.22
3	13-Sep-58	5.52	2047	3141	0.65	1.68	58	292	0.20
4	08-Nov-58	6.00	2604	3344	0.76	1.83	74	311	0.23
5	22-Nov-58	6.57	2801	3093	0.91	2.00	79	287	0.28
6	03-Jan-59	9.45	8034	4686	1.71	2.88	227	435	0.52
7	08-Jan-59	10.38	10434	5067	2.06	3.16	295	471	0.63
8	11-Feb-59	12.02	13929	5850	2.38	3.66	394	543	0.73
9	19-Feb-59	12.98	15840	6310	2.51	3.96	449	586	0.77
10	27-Feb-59	14.14	18191	6796	2.68	4.31	515	631	0.82
11	24-Mar-59	14.25	18544	6700	2.77	4.34	525	622	0.84
12	26-Mar-59	13.63	16923	6430	3.83	4.15	479	597	1.17
13	27-Mar-59	13.35	16413	6312	2.60	4.07	465	586	0.79
14	11-Apr-59	10.73	10374	5060	2.05	3.27	294	470	0.62
15	16-Apr-59	10.19	9303	4860	1.91	3.11	263	452	0.58
16	18-Apr-59	9.90	8716	4745	1.84	3.02	247	441	0.56
17	14-May-59	7.63	4720	3875	1.22	2.33	134	360	0.37
18	30-May-59	6.85	3368	3574	0.94	2.09	95	332	0.29
19	19-Jun-59	6.38	2920	3490	0.84	1.94	83	324	0.26
20	30-Jun-59	6.27	2840	3420	0.83	1.91	80	318	0.25
21	10-Jul-59	6.43	2705	3390	0.80	1.96	77	315	0.24
22	22-Jul-59	6.02	2425	3350	0.72	1.83	69	311	0.22
23	25-Jul-59	6.00	2415	3295	0.73	1.83	68	306	0.22
24	29-Sep-59	5.27	1643	3061	0.54	1.61	47	284	0.16
25	15-Oct-59	5.10	1580	3014	0.53	1.55	45	280	0.16
26	17-Oct-59	5.09	1310	2965	0.44	1.55	37	275	0.13
27	20-Nov-59	5.36	1690	3075	0.55	1.63	48	286	0.17
28	28-Nov-59	5.76	2080	3320	0.65	1.76	59	308	0.20
29	20-Dec-59	6.83	3436	3655	0.94	2.08	97	340	0.29
30	22-Jan-60	8.35	5699	4148	1.37	2.55	161	385	0.42
31	27-Jan-60	8.07	5081	4095	1.24	2.46	144	380	0.38
32	16-Feb-60	9.90	8254	4818	1.71	3.02	234	448	0.52
33	24-Feb-60	11.71	12042	5631	2.14	3.57	341	523	0.65
34	29-Feb-60	12.20	13136	5854	2.24	3.72	372	544	0.68
35	09-Mar-60	14.45	18130	6810	2.77	4.40	513	633	0.84
36	18-Mar-60	16.20	22350	8175	2.74	4.94	633	759	0.84
37	31-Mar-60	18.83	26800	9560	2.80	5.74	759	888	0.85
38	22-Apr-60	10.90	10260	5426	1.89	3.32	291	504	0.58
39	29-Apr-60	9.85	8170	4723	1.73	3.00	231	439	0.53
40	12-May-60	8.86	6391	4336	1.47	2.70	181	403	0.45
41	21-May-60	8.20	5222	4073	1.28	2.50	148	378	0.39
42	02-Jul-60	6.80	3185	3588	0.89	2.07	90	333	0.27
43	15-Jul-60	6.60	2952	3482	0.85	2.01	84	323	0.26
44	27-Jul-60	6.40	2536	3320	0.77	1.95	72	308	0.23
45	29-Jul-60	6.36	2548	3402	0.75	1.94	72	316	0.23
46	19-Aug-60	6.10	2295	3228	0.71	1.86	65	300	0.22
47	24-Aug-60	6.05	2322	3232	0.72	1.84	66	300	0.22
48	21-Aug-60	5.90	2181	3199	0.68	1.80	62	297	0.21
49	14-Sep-60	5.70	1951	3133	0.62	1.74	55	291	0.19
50	23-Sep-60	5.57	1827	3064	0.60	1.70	52	285	0.18

LIST OF FLOW MEASUREMENT

ST.: 1-950 WATOPIA PONTON

NO.	DATE	----[Feet - Second]----				++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
51	28-Sep-60	5.50	1732	3030	0.57	1.68	49	281	0.17
52	12-Oct-60	5.35	1629	3004	0.54	1.63	46	279	0.16
53	20-Oct-60	5.31	1622	3001	0.54	1.62	46	279	0.16
54	22-Oct-60	5.31	1618	3013	0.54	1.62	46	280	0.16
55	31-Oct-60	5.37	1607	3024	0.53	1.64	46	281	0.16
56	06-Dec-60	6.40	2863	3367	0.85	1.95	81	313	0.26
57	13-Dec-60	6.55	3067	3439	0.89	2.00	87	319	0.27
58	22-Dec-60	6.70	3170	3525	0.90	2.04	90	327	0.27
59	10-Jan-61	8.96	6537	4368	1.50	2.73	185	406	0.46
60	17-May-61	10.29	8907	4920	1.81	3.14	252	457	0.55
61	07-Jun-61	8.40	5831	4076	1.43	2.56	165	379	0.44
62	26-Jul-61	7.20	3663	3552	1.03	2.19	104	330	0.31
63	01-Aug-61	7.05	3453	3518	0.98	2.15	98	327	0.30
64	13-Sep-61	6.30	2392	3033	0.79	1.92	68	282	0.24
65	22-Sep-61	6.42	2259	3067	0.74	1.96	64	285	0.23
66	03-Nov-61	6.10	2161	2983	0.72	1.86	61	277	0.22
67	09-Dec-61	7.62	4121	3793	1.09	2.32	117	352	0.33
68	10-Jan-62	12.66	14289	6105	2.34	3.86	405	567	0.71
69	16-Jan-62	13.85	16209	6668	2.45	4.22	459	619	0.75
70	23-Jan-62	12.71	14585	6208	2.35	3.87	413	577	0.72
71	01-Feb-62	12.81	14347	6202	2.31	3.90	406	576	0.70
72	13-Feb-62	16.43	23160	8200	2.82	5.01	656	762	0.86
73	27-Feb-62	18.08	25822	8476	3.05	5.51	731	787	0.93
74	06-Mar-62	18.46	26711	8744	3.05	5.63	756	812	0.93
75	09-Mar-62	18.71	28211	8782	3.21	5.70	799	816	0.98
76	14-Mar-62	18.98	29410	8878	3.31	5.79	833	825	1.01
77	20-Mar-62	19.20	28293	8755	3.23	5.85	801	813	0.98
78	04-Apr-62	22.48	36677	10169	3.61	6.85	1039	945	1.10
79	26-Jun-62	8.92	6559	4280	1.53	2.72	186	398	0.47
80	16-Jul-62	8.33	5463	4219	1.30	2.54	155	392	0.40
81	22-Aug-62	7.55	4196	3770	1.11	2.30	119	350	0.34
82	02-Oct-62	6.55	3013	3462	0.87	2.00	85	322	0.27
83	06-Mar-63	19.78	31296	9339	3.35	6.03	886	868	1.02
84	02-Jan-64	11.83	13635	5858	2.33	3.61	386	544	0.71
85	14-Jan-64	13.13	16010	6265	2.56	4.00	453	582	0.78
86	11-Feb-64	15.19	20659	7306	2.83	4.63	585	679	0.86
87	18-Feb-64	18.29	29573	8801	3.36	5.57	837	818	1.02
88	02-Apr-64	15.94	23371	7706	3.03	4.86	662	716	0.92
89	08-Apr-64	14.90	18428	6894	2.67	4.54	522	640	0.81
90	10-Apr-64	13.75	17183	6679	2.57	4.19	487	620	0.78
91	06-May-64	9.60	8042	4834	1.65	2.93	228	449	0.50
92	25-Feb-65	16.63	22959	7817	2.94	5.07	650	726	0.90
93	16-Mar-65	15.29	21115	7397	2.85	4.66	598	687	0.87
94	07-Apr-65	13.33	16400	6470	2.54	4.06	464	601	0.77
95	22-Apr-65	11.35	12149	5575	2.18	3.46	344	518	0.66
96	01-Jun-65	8.00	5531	4259	1.28	2.44	157	396	0.39
97	02-Aug-70	8.04	4910	4404	1.11	2.45	139	409	0.34
98	22-Sep-70	6.70	3198	4106	0.78	2.04	91	381	0.24
99	06-Nov-70	6.68	3209	4021	0.80	2.04	91	374	0.24
100	14-Jan-71	14.20	19283	7478	2.60	4.33	546	695	0.79

LIST OF FLOW MEASUREMENT

ST.: 1-950 WATOPA PONTOON

NO.	DATE	-----[Feet - Second]-----				++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
101	04-Feb-71	16.96	26870	7394	2.73	5.17	761	687	0.83
102	04-Apr-71	13.78	16398	7820	2.94	4.20	464	727	0.90
103	06-Jun-71	8.74	5941	4809	1.24	2.66	168	447	0.38
104	21-Jul-71	7.81	4289	4570	0.94	2.38	121	425	0.29
105	09-Sep-71	6.90	3476	4025	0.86	2.10	98	374	0.26
106	09-Oct-71	6.38	2704			1.94	77		
107	23-Jan-72	9.95	8356	4783	1.75	3.03	237	444	0.53
108	20-Feb-72	8.84	6289	4700	1.34	2.69	178	437	0.41
109	18-May-72	8.90	6969	9736	0.72	2.71	197	905	0.22
110	16-Aug-72	6.89	3020	3640	0.83	2.10	86	338	0.25
111	03-Nov-72	6.15	2705	3724	0.73	1.87	77	346	0.22
112	25-Jan-73	8.72	6295	4739	1.33	2.66	178	440	0.41
113	06-Feb-73	8.06	5062	4339	1.20	2.46	143	403	0.37
114	01-Mar-73	10.65	10393	5505	1.90	3.25	294	511	0.58
115	12-Apr-73	9.20	6925	4673	1.50	2.80	196	434	0.46
116	13-Apr-73	9.13	6777	4598	1.50	2.78	192	427	0.46
117	07-May-73	7.63	4391	4301	1.00	2.33	124	400	0.30
118	08-May-73	7.53	4125	4125	1.00	2.30	117	383	0.30
119	30-Sep-73	5.45	1523	3311	0.46	1.66	43	308	0.14
120	02-Nov-73	5.55	1803	3513	0.51	1.69	51	326	0.16
121	12-Dec-73	6.65	3050	3875	0.79	2.03	86	360	0.24
122	06-Feb-74	9.76	8275	5014	1.65	2.97	234	466	0.50
123	05-Apr-74	10.80	10590	5360	1.98	3.29	300	498	0.60
124	15-May-74	7.90	4788	4503	1.06	2.41	136	418	0.32
125	07-Jul-74	6.40	2770	3918	0.71	1.95	78	364	0.22
126	20-Aug-74	6.00	2120	3546	0.60	1.83	60	329	0.18
127	25-Nov-74	5.40	1672	3618	0.46	1.65	47	336	0.14
128	19-Dec-74	7.60	4675	4260	1.10	2.32	132	396	0.34
129	08-Jan-75	11.80	10985	5440	2.02	3.60	311	505	0.62
130	10-Feb-75	14.55	17396	6678	2.60	4.43	493	620	0.79
131	24-Mar-75	18.00	24537	8308	2.95	5.49	695	772	0.90
132	02-Jul-75	7.02	3858	3896	0.99	2.14	109	362	0.30
133	22-Aug-75	6.30	2297	3506	0.66	1.92	65	326	0.20
134	19-Sep-75	5.90	1980	3302	0.60	1.80	56	307	0.18
135	09-Oct-75	5.72	1880	3388	0.55	1.74	53	315	0.17
136	17-Nov-75	5.61	1717	3188	0.54	1.71	49	296	0.16
137	14-Jan-76	8.65	6061	4670	1.30	2.64	172	434	0.40
138	24-Feb-76	13.60	15661	6819	2.30	4.15	443	634	0.70
139	22-Mar-76	19.65	27595	9054	3.05	5.99	781	841	0.93
140	24-May-76	12.20	13603	6018	2.26	3.72	385	559	0.69
141	10-Jun-76	9.70	7687	4756	1.62	2.96	218	442	0.49
142	11-Jun-76	9.62	7680	4740	1.62	2.93	217	440	0.49
143	19-Aug-76	7.46	3968	4016	0.99	2.27	112	373	0.30
144	12-Sep-76	6.85	3015	6282	0.48	2.09	85	584	0.15
145	17-Oct-76	7.20	3938	3988	0.99	2.19	112	370	0.30
146	16-Nov-76	7.00	3217	3508	0.92	2.13	91	326	0.28
147	13-Jan-77	11.10	10328	5409	1.91	3.38	292	503	0.58
148	14-Feb-77	14.33	15984	6575	2.43	4.37	453	611	0.74
149	10-Mar-77	16.45	20785	7230	2.87	5.01	589	672	0.87
150	18-Jun-77	8.50	4921	4298	1.14	2.59	139	399	0.35

LIST OF FLOW MEASUREMENT

ST.: 1-950 WATOPA PONTOON

NO.	DATE	----[Feet - Second]----				++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
151	14-Jul-77	7.90	4715	4176	1.13	2.41	134	388	0.34
152	11-Aug-77	7.35	4058	4120	0.98	2.24	115	383	0.30
153	09-Sep-77	6.70	2013	3288	0.61	2.04	57	305	0.19
154	10-Mar-78	17.80	25230	8305	3.04	5.43	714	772	0.93
155	07-May-78	19.03	27013	9129	2.96	5.80	765	848	0.90
156	12-Jun-78	10.40	9866	5364	1.80	3.17	279	498	0.55
157	12-Nov-79	7.45	1338	1254	1.06	2.27	38	117	0.32
158	23-May-80	10.43	1765	4874	0.36	3.18	50	453	0.11
159	10-Dec-80	9.29	6357	4261	1.49	2.83	180	396	0.45
160	13-Feb-81	13.27	11903	5821	2.04	4.04	337	541	0.62
161	03-May-81	12.13	7699	5864	1.31	3.70	218	545	0.40
162	22-Oct-82	6.50	2578	3292	0.78	1.98	73	306	0.24
163	13-Dec-82	9.70	7876	4734	1.66	2.96	223	440	0.51
164	21-Mar-83	12.62	13880	6176	2.25	3.85	393	574	0.69
165	22-Mar-83	12.91	14481	6230	2.32	3.93	410	579	0.71
166	07-Jun-83	8.50	1637	1350	1.21	2.59	46	125	0.37
167	26-Feb-84	10.74	10101	5520	1.83	3.27	286	513	0.56
168	02-Mar-84	11.27	10525	5638	1.87	3.44	298	524	0.57
169	09-Apr-84	5.68	5121	3056	1.68	1.73	145	284	0.51
170	12-Mar-85	12.86	14975	6348	2.36	3.92	424	590	0.72
171	23-Apr-85	13.00	16459	6506	2.53	3.96	466	604	0.77
172	08-Aug-86	7.15	3779	3744	1.01	2.18	107	348	0.31
173	08-Sep-86	6.40	2755	3540	0.78	1.95	78	329	0.24
174	06-Oct-89	1.68	46	295	0.16	0.51	1	27	0.05
175	09-Feb-90	9.94	9086	4807	1.84	3.03	257	447	0.56
176	08-Mar-90	10.70	8875	4807	1.84	3.26	251	447	0.56
177	08-May-90	9.94	9086	4946	1.84	3.03	257	459	0.56
178	26-Jun-90	6.99	3071	3900	0.79	2.13	87	362	0.24
179	29-Jul-90	6.59	2318	3364	0.69	2.01	66	313	0.21
180	22-Aug-90	6.30	1952	2975	0.66	1.92	55	276	0.20
181	26-Sep-90	5.61	1626	3304	0.49	1.71	46	307	0.15
182	25-Oct-90	5.58	1761	3158	0.56	1.70	50	293	0.17
183	06-Dec-90	6.17	2362	3429	0.69	1.88	67	319	0.21
184	12-Jan-91	10.10	7477	4469	1.67	3.08	212	415	0.51
185	04-Feb-91	14.07	18156	7095	2.56	4.29	514	659	0.78
186	07-Jul-91	7.55	4067	4274	0.95	2.30	115	397	0.29
187	20-Aug-91	6.33	1595	2860	0.56	1.93	45	266	0.17
188	11-Sep-91	5.97	1918	2923	0.66	1.82	54	272	0.20
189	04-Oct-91	5.63	1610	2887	0.56	1.72	46	268	0.17
190	12-Nov-91	6.30	2096	3042	0.69	1.92	59	283	0.21

[Note] H:Water Level, Q:Discharge, A:Discharge Area, V:Velocity

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTON MAR/ 8/90

ITEMS	NO 1	NO 2	NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
WATER DEPTH (m)	2.35	3.50	4.40	4.32	4.02	4.46	4.53	4.31	4.92	4.55	3.99	3.63
SE/WIDTH (m)	0.00	3.30	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.00
TOTAL SE/WIDTH(m)	0.00	3.30	13.30	23.30	33.30	43.30	53.30	63.30	73.30	83.30	93.30	101.30
VELOCITY.2 1(f/s)	1.30	1.80	2.50	2.60	2.40	2.40	2.20	2.10	1.80	1.90	1.70	1.20
VELOCITY.2 2(f/s)	1.30	1.70	2.40	2.50	2.50	2.30	2.30	2.10	2.00	1.90	1.70	1.20
MEAN VEL.2 (f/s)	1.30	1.75	2.45	2.55	2.45	2.35	2.25	2.10	1.90	1.90	1.70	1.20
VELOCITY.8 1(f/s)	0.80	1.30	1.70	2.00	1.60	2.10	1.80	1.50	1.50	1.40	1.10	1.10
VELOCITY.8 2(f/s)	0.80	1.20	1.80	2.10	1.70	2.10	1.70	1.70	1.50	1.50	1.20	1.00
MEAN VEL.8 (f/s)	0.80	1.25	1.75	2.05	1.65	2.10	1.75	1.60	1.50	1.45	1.15	1.05
MEAN VEL (f/s)	1.050	1.500	2.100	2.300	2.050	2.225	2.000	1.850	1.700	1.675	1.425	1.125
MEAN VEL (m/s)	0.320	0.457	0.640	0.701	0.625	0.678	0.610	0.564	0.518	0.511	0.434	0.343
L/MEAN DEPTH (m)	0.000	3.211	4.175	4.340	4.095	4.350	4.513	4.365	4.768	4.643	4.130	3.720
L/MEAN WIDTH (m)	0.00	1.65	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00
L/SEC. AREA (m2)	0.00	5.30	20.88	21.70	20.48	21.75	22.56	21.83	23.84	23.21	20.65	14.88
R/MEAN DEPTH (m)	2.634	3.725	4.380	4.245	4.130	4.478	4.475	4.463	4.828	4.410	3.900	1.815
R/MEAN WIDTH (m)	1.65	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00	7.70
R/SEC. AREA (m2)	4.35	18.63	21.90	21.23	20.65	22.39	22.38	22.31	24.14	22.05	15.60	13.98
S/AREA (m2)	4.35	23.92	42.78	42.93	41.13	44.14	44.94	44.14	47.98	45.26	36.25	28.86
TOTAL AREA (m2)	4.3	28.3	71.0	114.0	155.1	199.2	244.2	238.3	336.3	381.5	417.8	446.6
S/DISCHARGE(m3/s)	1.39	10.94	27.38	30.09	25.70	29.93	27.39	24.89	24.86	23.11	15.74	9.89
TOTAL DIS. (m3/s)	1.39	12.33	39.71	69.80	95.50	125.43	152.82	177.71	202.57	225.68	241.42	251.32
WATER LEVEL (F) :												
TOTAL DISCHARGE :												
WATER LEVEL (m) :												
MEAN VELOCITY(m/s) :												

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON MAR/ 8/90

ITEMS NO R

=====

WATER DEPTH	(m)	0.00
SE/WIDTH	(m)	7.70
TOTAL SE/WIDTH	(m)	109.00
VELOCITY.2 1	(f/s)	0.00
VELOCITY.2 2	(f/s)	0.00
MEAN VEL.2	(f/s)	0.00
VELOCITY.8 1	(f/s)	0.00
VELOCITY.8 2	(f/s)	0.00
MEAN VEL.8	(f/s)	0.00
MEAN VEL	(f/s)	0.000
MEAN VEL	(m/s)	0.000
L/MEAN DEPTH	(m)	
L/MEAN WIDTH	(m)	
L/SEC. AREA	(m2)	
R/MEAN DEPTH	(m)	
R/MEAN WIDTH	(m)	
R/SEC. AREA	(m2)	
S/AREA	(m2)	
TOTAL AREA	(m2)	
S/DISCHARGE	(m3/s)	
TOTAL DIS.	(m3/s)	

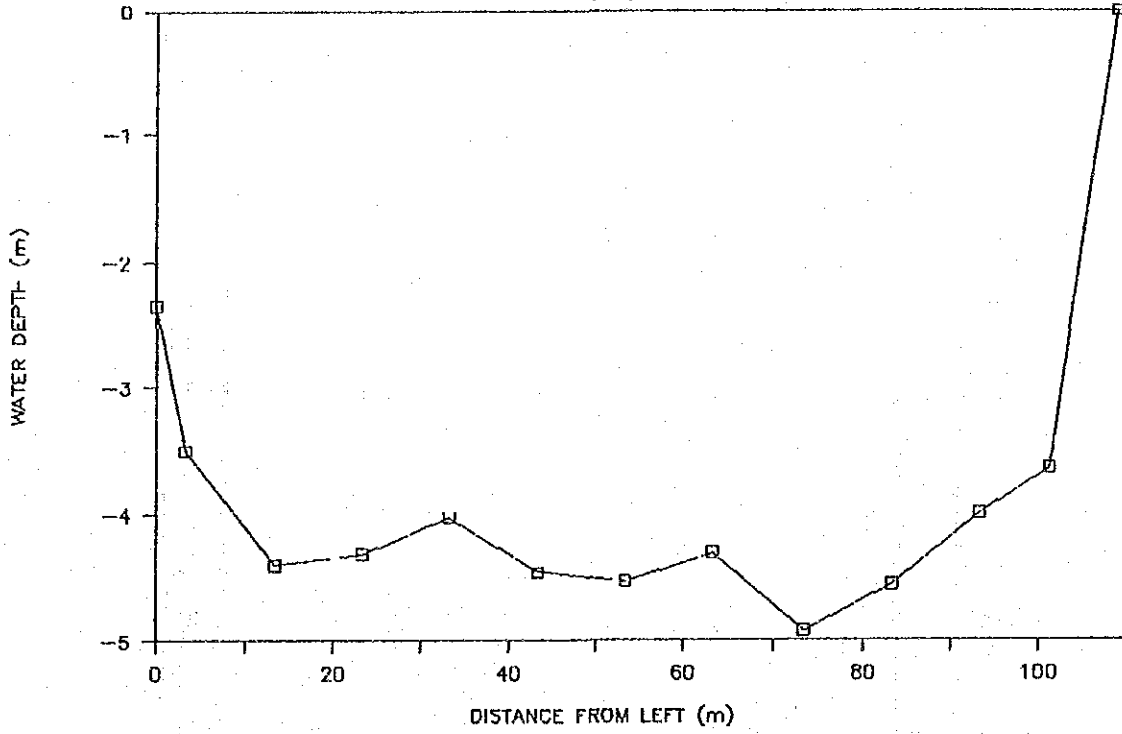
=====

WATER LEVEL (f)	: 10.70	WATER LEVEL (m)	: 3.26
TOTAL DISCHARGE	: 251.32	MEAN VELOCITY(m/s)	: 0.56

=====

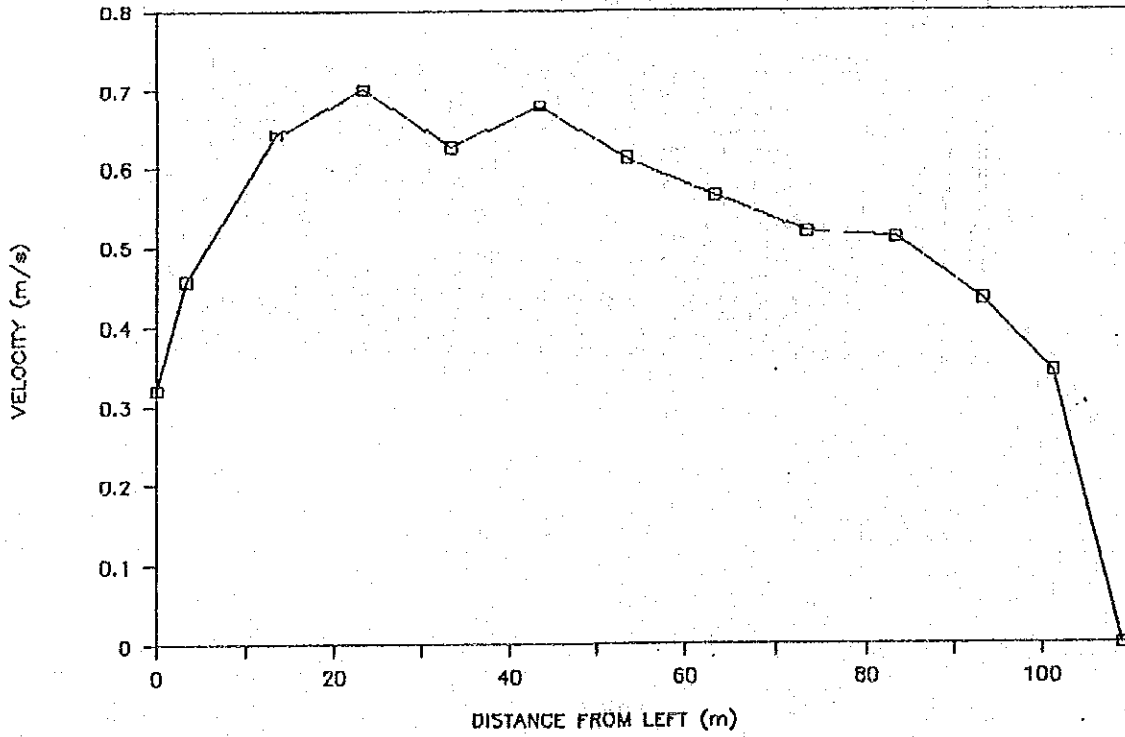
WATER DEPTH (1-950)

MAR./ 8/90



VELOCITY (1-950)

MAR./ 8/90



FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON MAY/ 8/'90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-11
WATER DEPTH (m)	0.00	4.30	4.10	3.80	4.00	4.90	4.50	4.30	4.30	4.20	3.50	2.95
SE/WIDTH (m)	0.00	11.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
TOTAL SE/WIDTH(m)	0.00	11.00	21.00	31.00	41.00	51.00	61.00	71.00	81.00	91.00	101.00	111.00
VELOCITY.2-1(f/s)	0.00											
VELOCITY.2-2(f/s)	0.00											
MEAN VEL.2 (f/s)	0.00	2.23	2.18	2.28	2.48	2.23	2.28	2.18	2.08	1.87	1.75	1.24
VELOCITY.8-1(f/s)	0.00											
VELOCITY.8-2(f/s)	0.00											
MEAN VEL.8 (f/s)	0.00	1.03	1.68	1.91	1.87	1.83	1.83	1.68	1.91	1.60	1.58	0.97
MEAN VEL (f/s)	0.00	1.63	1.93	2.10	2.18	2.03	2.06	1.93	2.00	1.74	1.72	1.11
MEAN VEL (m/s)	0.00	0.497	0.588	0.639	0.663	0.619	0.626	0.588	0.608	0.529	0.523	0.337
L/MEAN DEPTH (m)	0.000	2.150	4.150	3.875	3.950	4.675	4.600	4.350	4.300	4.225	3.675	3.013
L/MEAN WIDTH (m)	0.00	11.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
L/SEC. AREA (m2)	0.00	23.65	20.75	19.38	19.75	23.38	23.00	21.75	21.50	21.13	18.38	15.06
R/MEAN DEPTH (m)	1.075	4.250	4.025	3.850	4.225	4.800	4.450	4.300	4.275	4.025	3.338	1.425
R/MEAN WIDTH (m)	5.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.00
R/SEC. AREA (m2)	5.91	21.25	20.12	19.25	21.13	24.00	22.25	21.50	21.38	20.13	16.69	14.25
S/AREA (m2)	5.91	44.90	40.87	38.63	40.88	47.38	45.25	43.25	42.88	41.25	35.06	29.31
TOTAL AREA (m2)	5.9	50.8	91.7	130.3	171.2	218.6	263.8	307.1	349.3	391.2	426.3	455.6
S/DISCHARGE(m3/s)	0.00	22.31	24.05	24.66	27.10	29.31	28.34	25.44	26.07	21.91	18.33	9.87
TOTAL DIS.. (m3/s)	0.00	22.31	46.35	71.02	98.11	127.43	155.77	181.21	207.29	229.10	247.43	257.30
WATER LEVEL (f)	--											
TOTAL DISCHARGE :	--											
WATER LEVEL (m)	--											
MEAN VELOCITY(m/s)	--											

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON MAY/ 8/'90

ITEMS NO-R

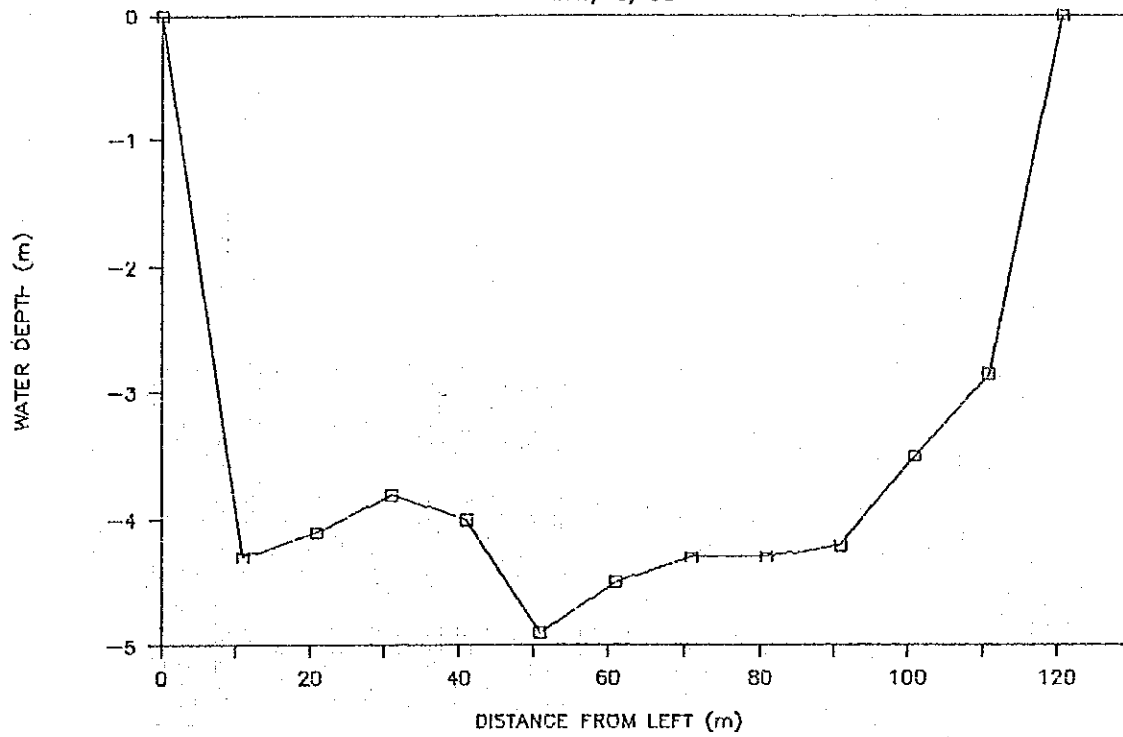
WATER DEPTH (m) 0.00
SE/WIDTH (m) 10.00
TOTAL SE/WIDTH(m) 121.00
VELOCITY.2-1(f/s) -
VELOCITY.2-2(f/s) -
MEAN VEL.2 (f/s) -
VELOCITY.8-1(f/s) -
VELOCITY.8-2(f/s) -
MEAN VEL.8 (f/s) -
MEAN VEL (f/s) -
MEAN VEL (m/s) -
L/MEAN DEPTH (m) -
L/MEAN WIDTH (m) -
L/SEC. AREA (m2) -
R/MEAN DEPTH (m) -
R/MEAN WIDTH (m) -
R/SEC. AREA (m2) -
S/AREA (m2) -
TOTAL AREA (m2) -
S/DISCHARGE(m3/s) -
TOTAL DIS. (m3/s) -

WATER LEVEL (f) : 9.95
TOTAL DISCHARGE : 257.30

WATER LEVEL (m) : 3.03
MEAN VELOCITY(m/s) : 0.56

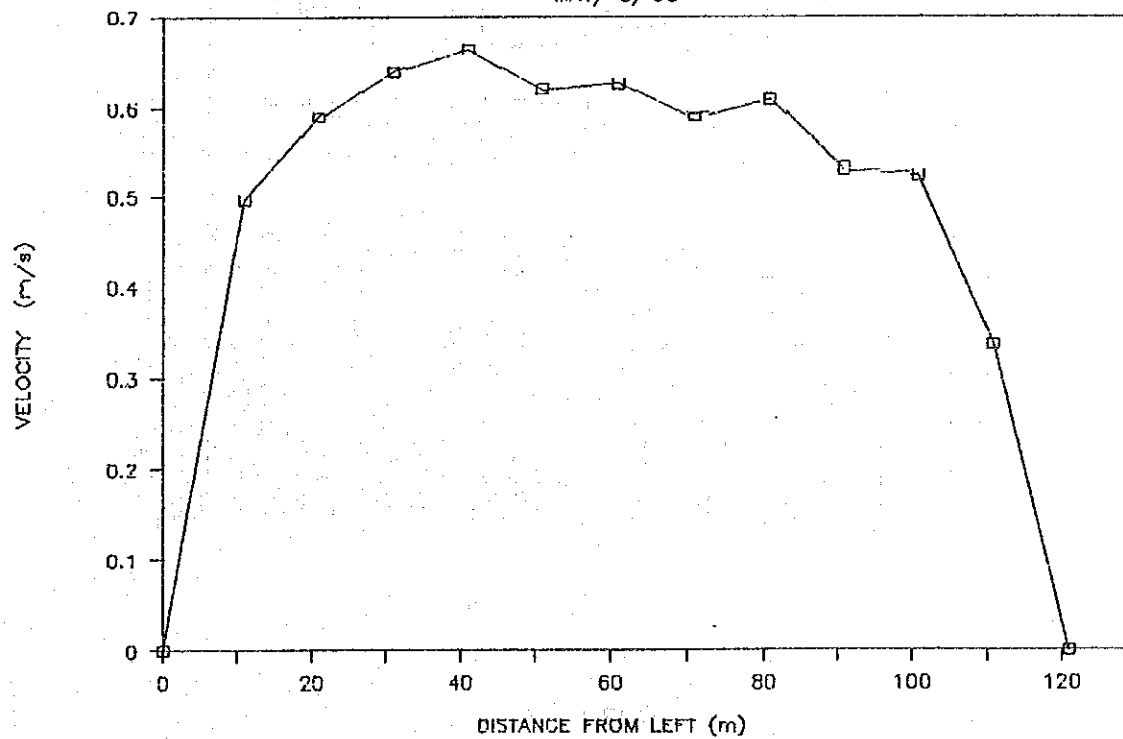
WATER DEPTH (1-950)

MAY/ 8/'90



VELOCITY (1-950)

MAY/ 8/'90



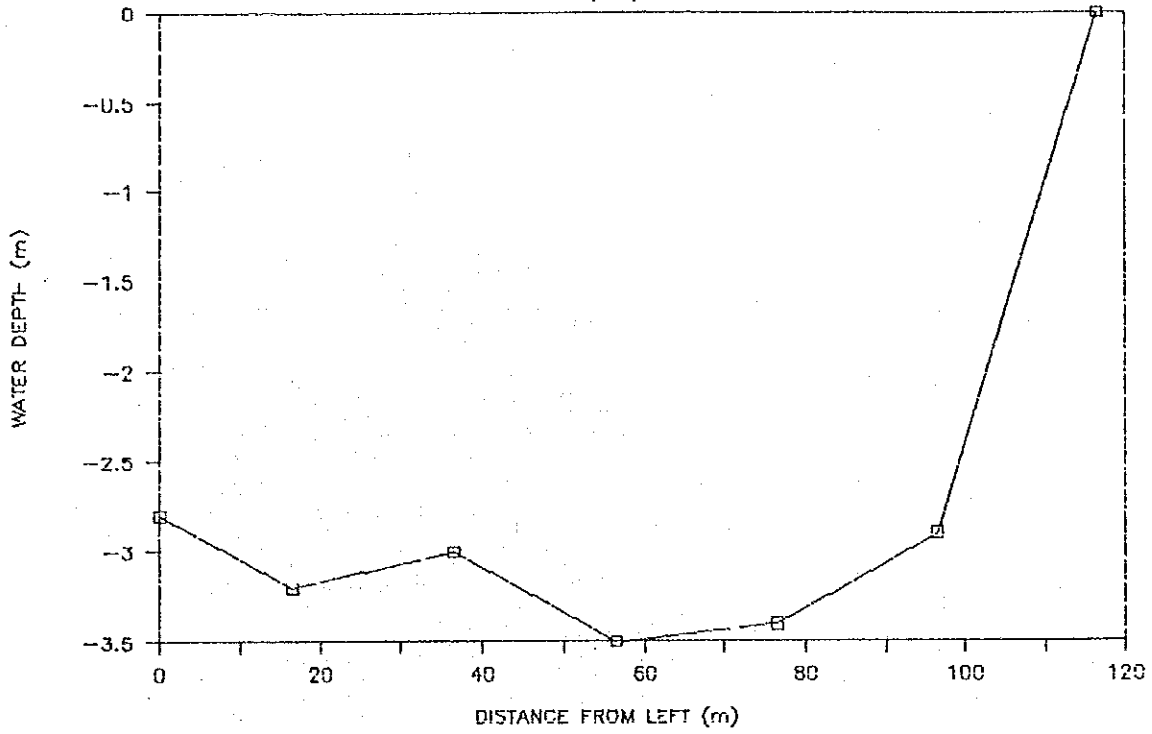
```

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON JUN/26/'99
=====
ITEMS NO-L NO-1 NO-2 NO-3 NO-4 NO-5 NO-R
=====
WATER DEPTH (m) 2.80 3.20 3.00 3.50 3.40 2.90 0.00
SE/WIDTH (m) 0.00 16.50 20.00 20.00 20.00 20.00 20.00
TOTAL SE/WIDTH(m) 0.00 16.50 36.50 56.50 76.50 96.50 116.50
VELOCITY.2-1(f/s) 0.00 0.90 1.00 1.25 1.00 0.90 -
VELOCITY.2-2(f/s) 0.00 0.90 1.00 1.25 1.00 0.90 -
MEAN VEL.2 (f/s) 0.00 0.90 1.00 1.25 1.00 0.90 -
VELOCITY.8-1(f/s) 0.00 0.65 0.70 0.65 0.85 0.55 -
VELOCITY.8-2(f/s) 0.00 0.65 0.70 0.65 0.85 0.55 -
MEAN VEL.8 (f/s) 0.00 0.65 0.70 0.65 0.85 0.55 -
MEAN VEL (f/s) 0.00 0.78 0.85 0.95 0.93 0.73 -
MEAN VEL (m/s) 0.00 0.236 0.259 0.290 0.282 0.221 -
L/MEAN DEPTH (m) 0.000 3.000 3.050 3.375 3.425 3.025 -
L/MEAN WIDTH (m) 0.00 16.50 10.00 10.00 10.00 10.00 -
L/SEC. AREA (m2) 0.00 49.50 30.50 33.75 34.25 30.25 -
R/MEAN DEPTH (m) 2.900 3.150 3.125 3.475 3.275 1.450 -
R/MEAN WIDTH (m) 8.25 10.00 10.00 10.00 10.00 20.00 -
R/SEC. AREA (m2) 23.93 31.50 31.25 34.75 32.75 29.00 -
S/AREA (m2) 23.93 81.00 61.75 68.50 67.00 59.25 -
TOTAL AREA (m2) 23.9 104.9 166.7 235.2 302.2 361.4 -
S/DISCHARGE(m3/s) 0.00 19.13 16.00 19.83 18.89 13.09 -
TOTAL DIS. (m3/s) 0.00 19.13 35.13 54.97 73.86 86.95 -
=====
WATER LEVEL (f) : 6.99 WATER LEVEL (m) : 2.13
TOTAL DISCHARGE : 86.95 MEAN VELOCITY(m/s) : 0.24
=====

```

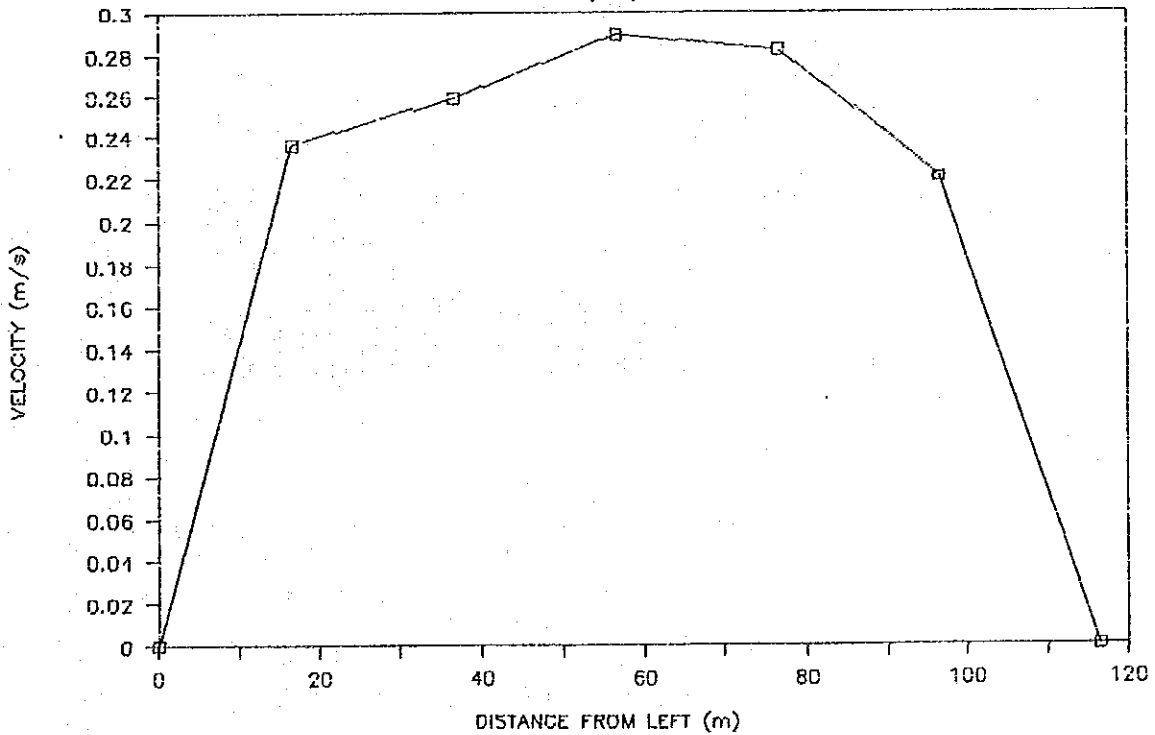
WATER DEPTH (1-950)

JUN./26/'90



VELOCITY (1-950)

JUN./26/'90

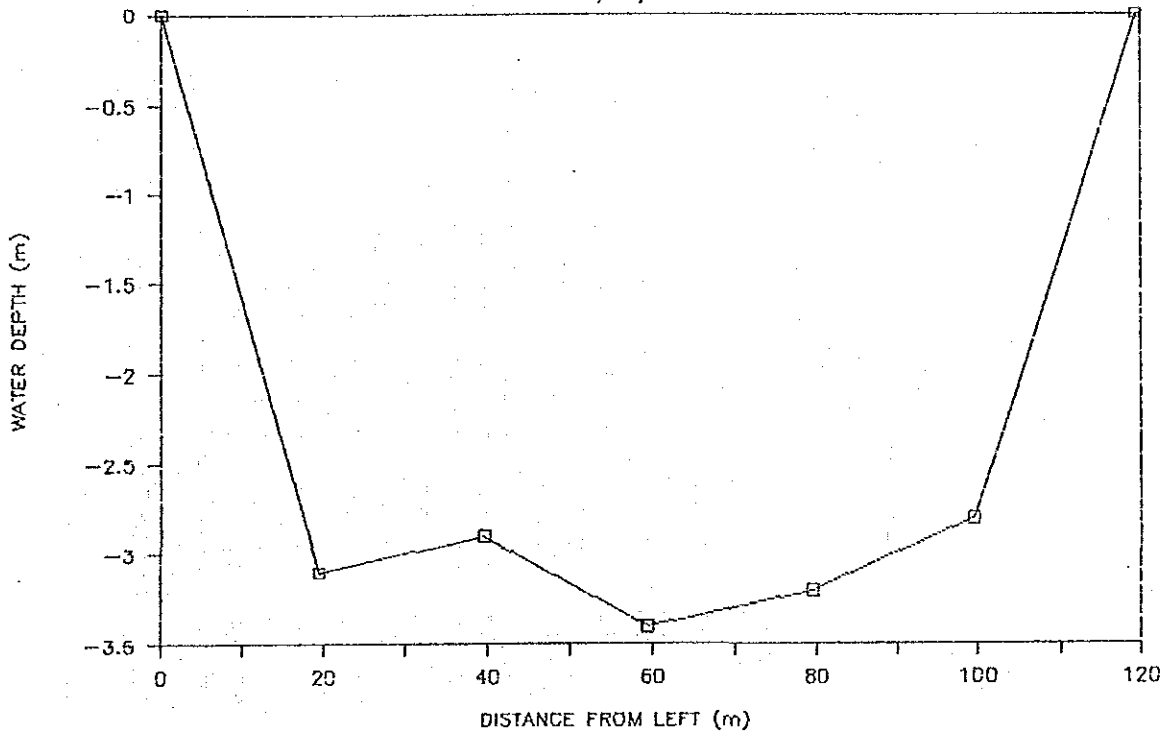


FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON JUL./29/'90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.10	2.90	3.40	3.20	2.80	0.00
SE/WIDTH (m)	0.00	19.50	20.00	20.00	20.00	20.00	20.00
TOTAL SE/WIDTH(m)	0.00	19.50	39.50	59.50	79.50	99.50	119.50
VELOCITY.2-1(f/s)	0.00	0.40	0.85	1.00	1.00	0.60	-
VELOCITY.2-2(f/s)	0.00	0.45	0.80	0.90	0.95	0.70	-
MEAN VEL.2 (f/s)	0.00	0.43	0.83	0.95	0.98	0.65	-
VELOCITY.8-1(f/s)	0.00	0.10	0.75	0.95	0.85	0.45	-
VELOCITY.8-2(f/s)	0.00	0.10	0.75	0.95	0.85	0.46	-
MEAN VEL.8 (f/s)	0.00	0.10	0.75	0.95	0.85	0.46	-
MEAN VEL (f/s)	0.00	0.26	0.79	0.95	0.91	0.55	-
MEAN VEL (m/s)	0.00	0.080	0.240	0.290	0.278	0.168	-
L/MEAN DEPTH (m)	0.000	1.550	2.950	3.275	3.250	2.900	-
L/MEAN WIDTH (m)	0.00	19.50	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	30.23	29.50	32.75	32.50	29.00	-
R/MEAN DEPTH (m)	0.000	3.050	3.025	3.350	3.100	1.400	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	20.00	-
R/SEC. AREA (m2)	0.00	30.50	30.25	33.50	31.00	28.00	-
S/AREA (m2)	0.00	60.73	59.75	66.25	63.50	57.00	-
TOTAL AREA (m2)	0.0	60.7	120.5	186.7	250.2	307.2	-
S/DISCHARGE(m3/s)	0.00	4.86	14.34	19.18	17.66	9.60	-
TOTAL DIS. (m3/s)	0.00	4.86	19.20	38.38	56.05	65.64	-
=====							
WATER LEVEL (f)	6.58	WATER LEVEL (m) : 2.01					
TOTAL DISCHARGE	65.64	MEAN VELOCITY(m/s) : 0.21					

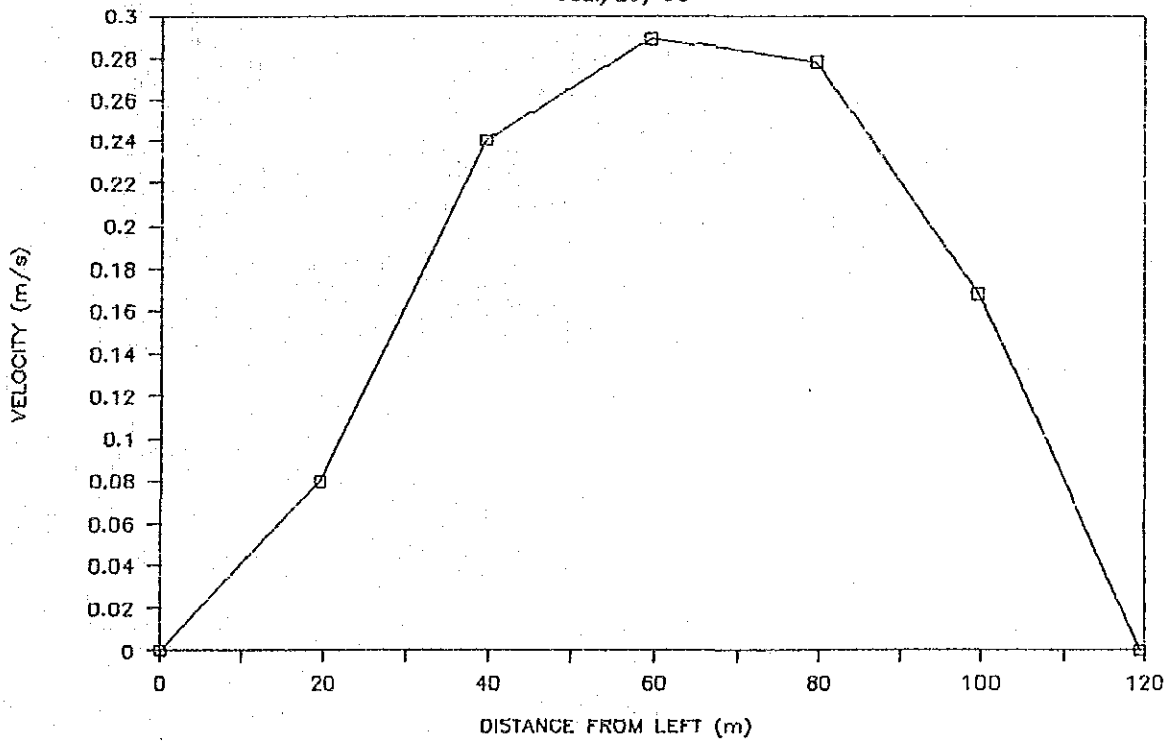
WATER DEPTH (1-950)

JUL./29/'90



VELOCITY (1-950)

JUL./29/'90

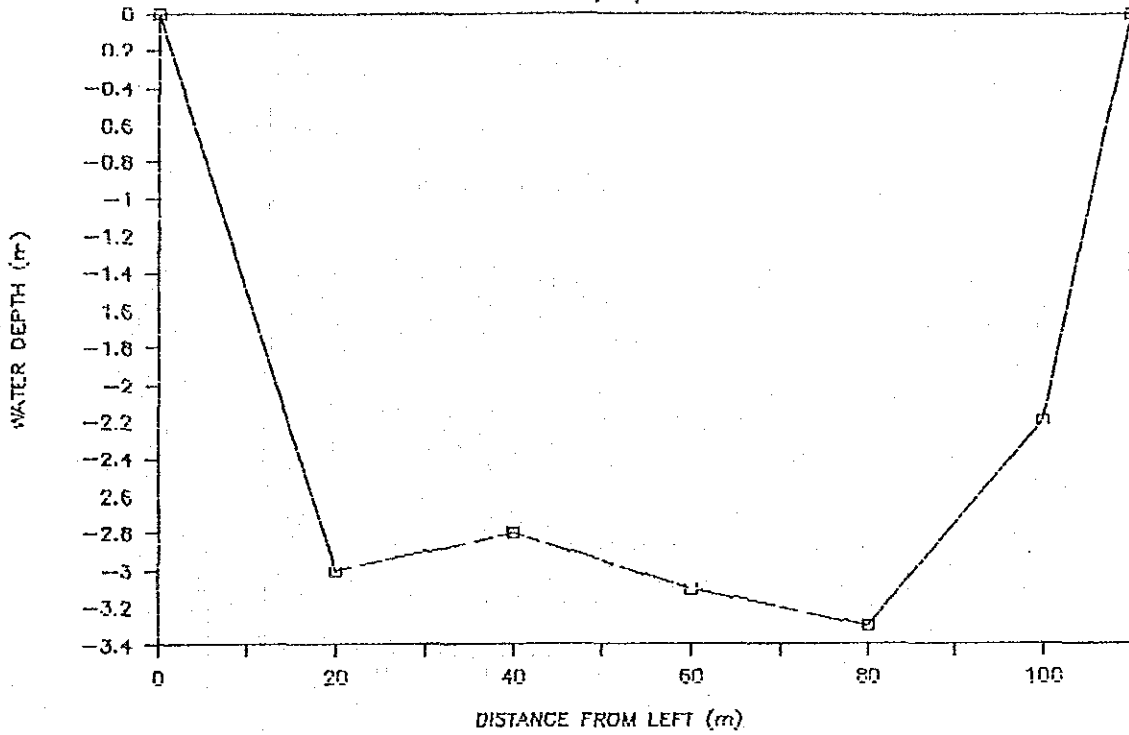


FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON AUG./22/'90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.00	2.80	3.10	3.30	2.20	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	10.00
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	110.00
VELOCITY.2-1(f/s)	0.00	0.60	0.95	0.90	0.85	0.45	-
VELOCITY.2-2(f/s)	0.00	0.65	0.95	0.90	0.85	0.45	-
MEAN VEL.2 (f/s)	0.00	0.63	0.95	0.90	0.85	0.45	-
VELOCITY.8-1(f/s)	0.00	0.40	0.70	0.60	0.55	0.30	-
VELOCITY.8-2(f/s)	0.00	0.40	0.70	0.60	0.55	0.30	-
MEAN VEL.8 (f/s)	0.00	0.40	0.70	0.60	0.55	0.30	-
MEAN VEL (f/s)	0.00	0.51	0.83	0.75	0.70	0.38	-
MEAN VEL (m/s)	0.00	0.156	0.251	0.228	0.213	0.114	-
L/MEAN DEPTH (m)	0.000	1.500	2.850	3.025	3.250	2.475	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	30.00	28.50	30.25	32.50	24.75	-
R/MEAN DEPTH (m)	0.000	2.950	2.875	3.150	3.025	1.100	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	-
R/SEC. AREA (m2)	0.00	29.50	28.75	31.50	30.25	11.00	-
S/AREA (m2)	0.00	59.50	57.25	61.75	62.75	35.75	-
TOTAL AREA (m2)	0.0	59.5	116.8	178.5	241.3	277.0	-
S/D: CHARGE(m3/s)	0.00	9.29	14.40	14.12	13.39	4.09	-
TOTAL DIS. (m3/s)	0.00	9.29	23.69	37.81	51.19	55.28	-
WATER LEVEL (f)	6.30	WATER LEVEL (m) : 1.92					
TOTAL DISCHARGE :	55.28	MEAN VELOCITY(m/s) : 0.20					

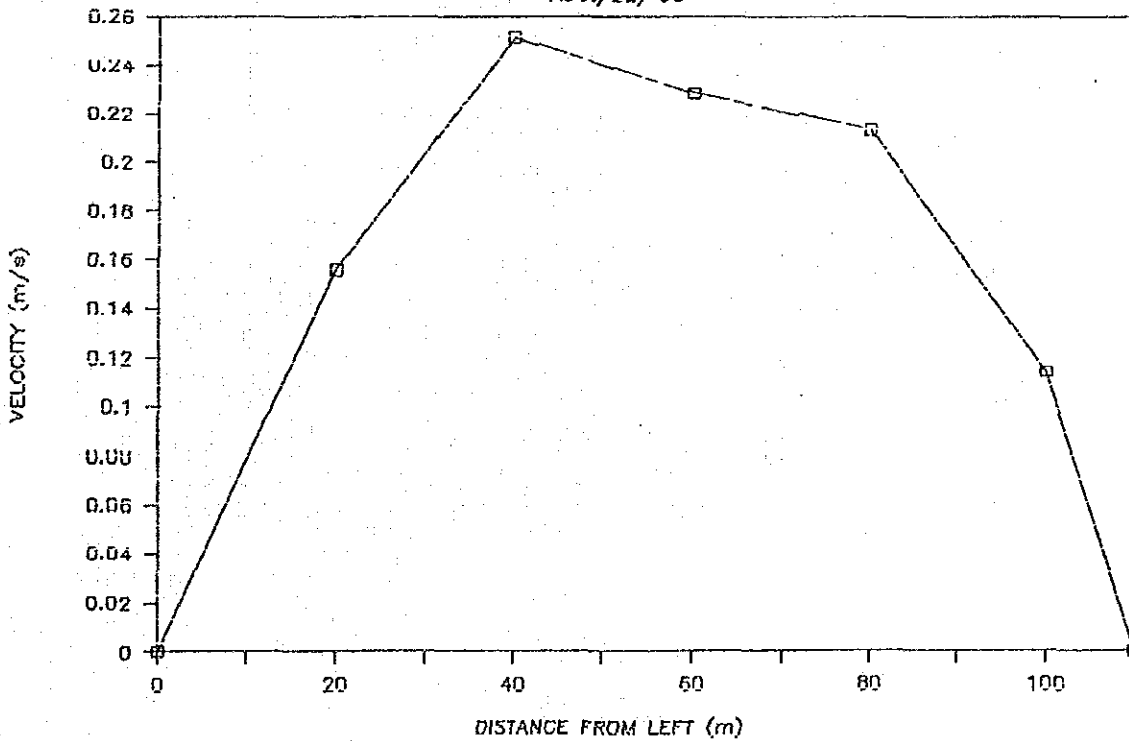
WATER DEPTH (1-950)

AUG./22/'90



VELOCITY (1-950)

AUG./22/'90



FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON SEP./26/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8
WATER DEPTH (m)	2.80	2.60	2.30	2.40	3.10	3.00	3.10	2.90
SE/WIDTH (m)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
TOTAL SE/WIDTH(m)	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00
VELOCITY.2-1(f/s)	0.20	0.60	0.80	0.90	0.80	0.85	0.85	0.80
VELOCITY.2-2(f/s)	0.20	0.60	0.80	0.90	0.85	0.85	0.85	0.75
MEAN VEL. (f/s)	0.20	0.60	0.80	0.90	0.83	0.85	0.85	0.78
VELOCITY.8-1(f/s)	0.15	0.30	0.35	0.40	0.75	0.60	0.30	0.40
VELOCITY.8-2(f/s)	0.15	0.30	0.35	0.45	0.75	0.65	0.35	0.45
MEAN VEL.8 (f/s)	0.15	0.30	0.35	0.43	0.75	0.63	0.33	0.43
MEAN VEL. (f/s)	0.18	0.45	0.58	0.66	0.79	0.74	0.49	0.60
MEAN VEL. (m/s)	0.053	0.137	0.175	0.202	0.240	0.225	0.149	0.183
L/MEAN WIDTH (m)	1.400	2.650	2.375	2.375	2.925	3.025	3.075	2.950
L/MEAN WIDTH (m)	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
L/SEC. AREA (m2)	14.00	13.25	11.88	11.88	14.63	15.13	15.38	14.75
R/MEAN DEPTH (m)	2.750	2.525	2.325	2.575	3.075	3.025	3.050	2.900
R/MEAN WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
R/SEC. AREA (m2)	13.75	12.63	11.63	12.88	15.38	15.13	15.25	14.50
S/AREA (m2)	27.75	25.88	23.50	24.75	30.00	30.25	30.63	29.25
TOTAL AREA (m2)	27.8	53.6	77.1	101.9	131.9	162.1	192.8	222.0
S/DISCHARGE(m3/s)	1.48	3.55	4.12	5.00	7.20	8.80	4.55	5.35
TOTAL DIS. (m3/s)	1.48	5.03	9.15	14.15	21.35	28.15	32.70	38.05

WATER LEVEL (f) : - - - - - WATER LEVEL (m) : - -
 TOTAL DISCHARGE : - - - - - MEAN VELOCITY(m/s) :

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON SEP./26/'90

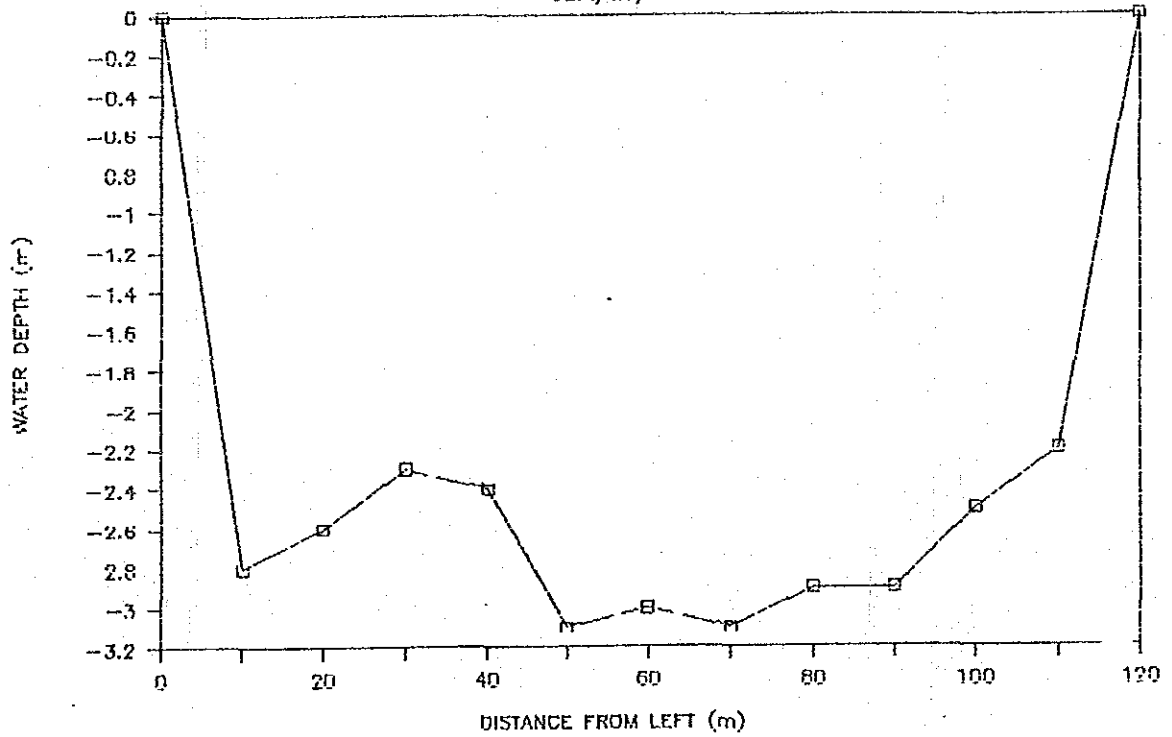
```

=====
ITEMS      NO-10  NO-R
=====
WATER DEPTH (m) 2.20  0.00
SE/WIDTH (m) 10.00 10.00
TOTAL SE/WIDTH(m) 110.00 120.00
VELOCITY.2-1(f/s) 0.20  0.00
VELOCITY.2-2(f/s) 0.30  0.00
MEAN VEL.2 (f/s) 0.25  0.00
VELOCITY.8-1(f/s) 0.20  0.00
VELOCITY.8-2(f/s) 0.20  0.00
MEAN VEL.8 (f/s) 0.20  0.00
MEAN VEL (f/s) 0.23  0.00
MEAN VEL (m/s) 0.069 0.000
L/MEAN WIDTH (m) 2.275  -
L/MEAN WIDTH (m) 5.00  -
L/SEC. AREA (m2) 11.38  -
R/MEAN DEPTH (m) 1.100  -
R/MEAN WIDTH (m) 10.00  -
R/SEC. AREA (m2) 11.00  -
S/AREA (m2) 22.38  -
TOTAL AREA (m2) 298.0  -
S/DISCHARGE(m3/s) 1.53  -
TOTAL DIS. (m3/s) 46.04  -
=====
WATER LEVEL (f) : 5.62      WATER LEVEL (m) : 1.71
TOTAL DISCHARGE : 46.04    MEAN VELOCITY(m/s) : 0.15
=====

```

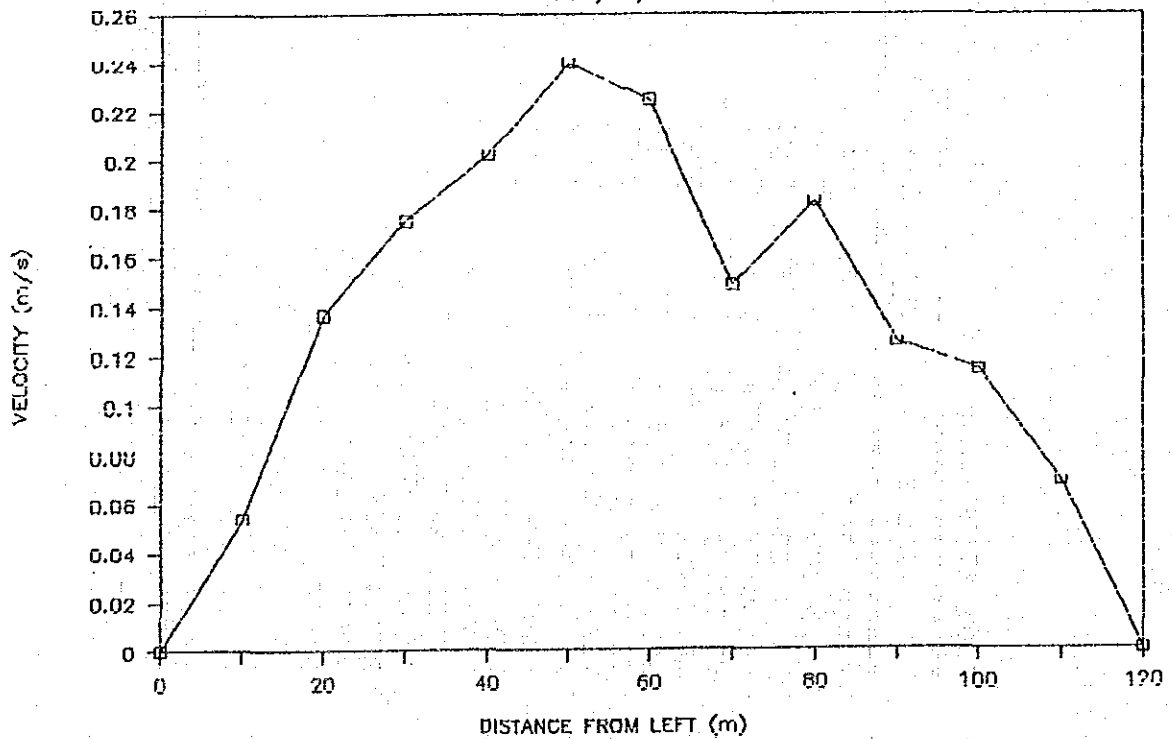
WATER DEPTH (1-950)

SEP./26/90



VELOCITY (1-950)

SEP./26/90

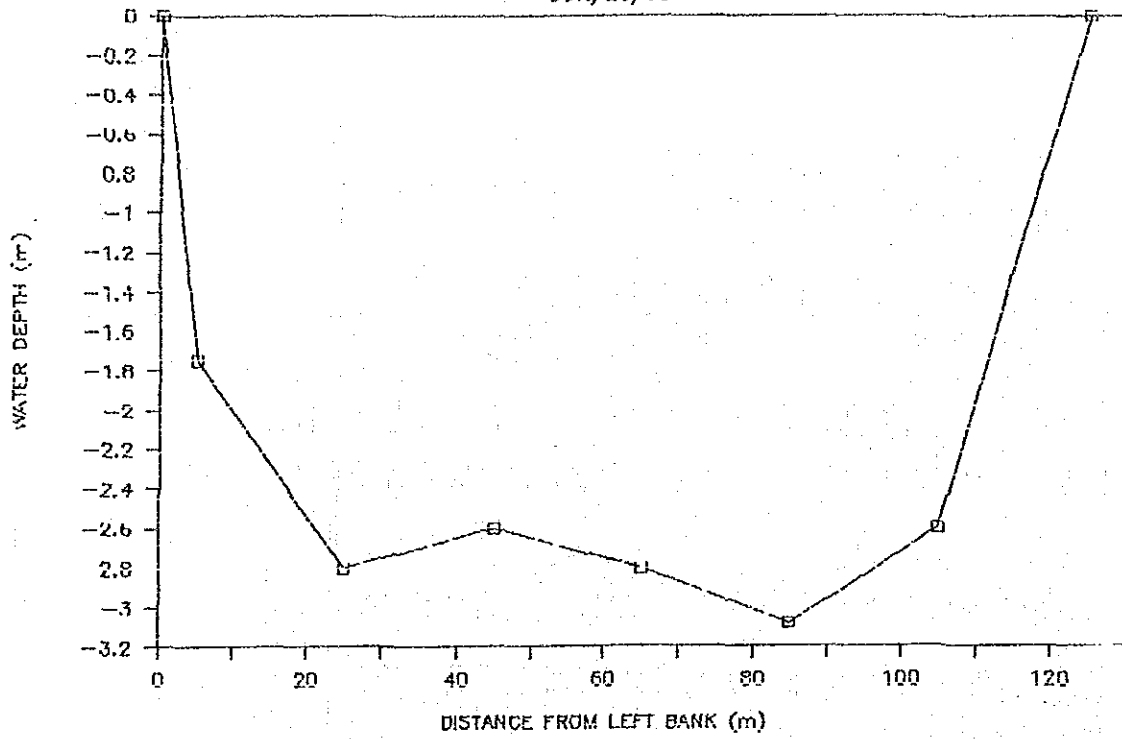


FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON OCT./25/'90

ITEMS\POINT	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-R	
WATER DEPTH (m)	0.00	1.75	2.80	2.60	2.80	3.08	2.60	0.00	
SECTIONAL WIDTH(m)	0.00	5.00	20.00	20.00	20.00	20.00	20.00	20.00	
TOTAL SEC/WIDTH(m)	0.00	5.00	25.00	45.00	65.00	85.00	105.00	125.00	
VELOCITY.2-1 (f/s)	0.00	0.10	0.75	1.00	0.55	0.75	0.50	0.00	
VELOCITY.2-2 (f/s)	0.00	0.10	0.75	1.00	0.55	0.75	0.50	0.00	
Mean VEL.2 (f/s)	0.00	0.10	0.75	1.00	0.55	0.75	0.50	0.00	
VELOCITY.8-1 (f/s)	0.00	0.05	0.40	0.80	0.35	0.45	0.35	0.00	
VELOCITY.8-2 (f/s)	0.00	0.05	0.40	0.80	0.35	0.45	0.35	0.00	
Mean VEL.8 (f/s)	0.00	0.05	0.40	0.80	0.35	0.45	0.35	0.00	
Mean VEL (f/s)	0.00	0.08	0.58	0.90	0.45	0.60	0.43	0.00	
Mean VEL (m/s)	0.00	0.023	0.175	0.274	0.137	0.183	0.130	0.000	
L/MEAN DEPTH (m)	0.000	0.875	2.538	2.650	2.750	3.010	2.720	-	
L/MEAN WIDTH (m)	0.00	5.00	10.00	10.00	10.00	10.00	10.00	-	
L/SEC. AREA (m2)	0.00	4.38	25.38	26.50	27.50	30.10	27.20	-	
R/MEAN DEPTH (m)	0.000	2.013	2.750	2.650	2.870	2.960	1.300	-	
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	20.00	-	
R/SEC. AREA (m2)	0.00	20.13	27.50	26.50	28.70	29.60	26.00	-	
SECTIONAL AREA(m2)	0.00	24.50	52.88	53.00	56.20	59.70	53.20	-	
TOTAL AREA (m2)	0.0	24.5	77.4	130.4	186.6	246.3	299.5	-	
S/DISCHARGE (m3/s)	0.00	0.56	9.27	14.54	7.71	10.92	6.89	-	
TOTAL DIS. (m3/s)	0.00	0.56	9.83	24.37	32.07	42.99	49.88	-	
WATER LEVEL (f) :	5.59	WATER LEVEL (m) :							1.70
TOTAL DISCHARGE :	49.88	MEAN VELOCITY(m/s) :							0.17

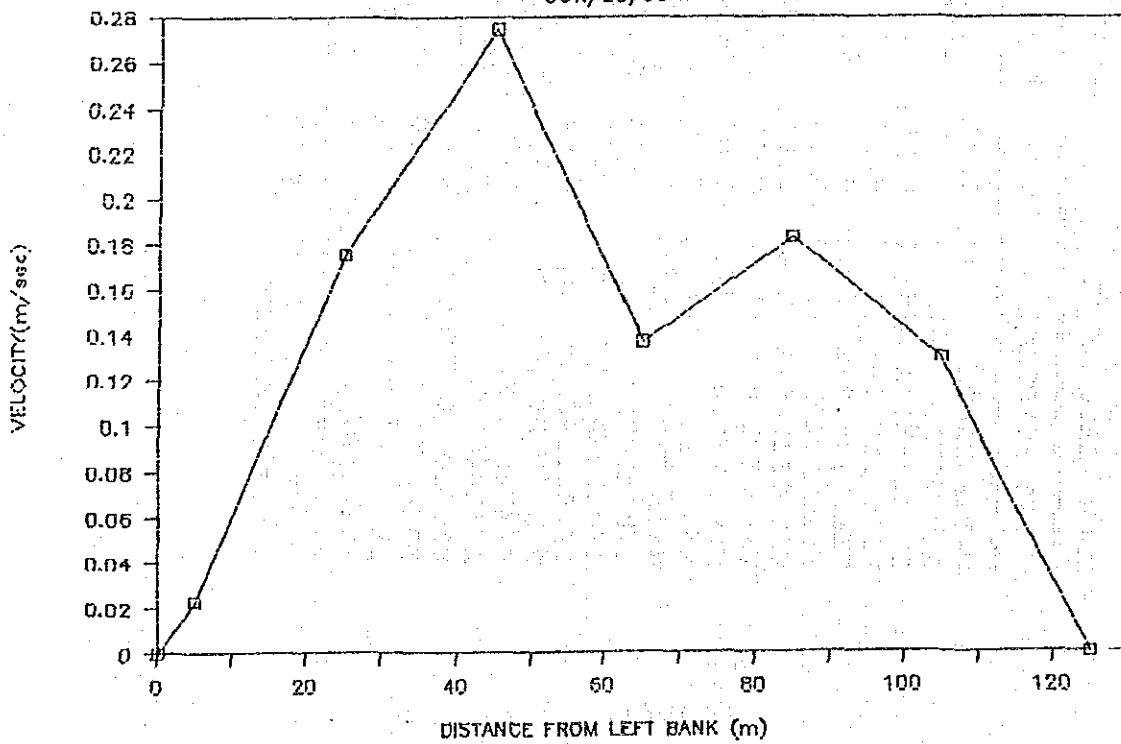
WATER DEPTH (1-950)

OCT./25/90



VELOCITY(1-950)

OCT./25/90



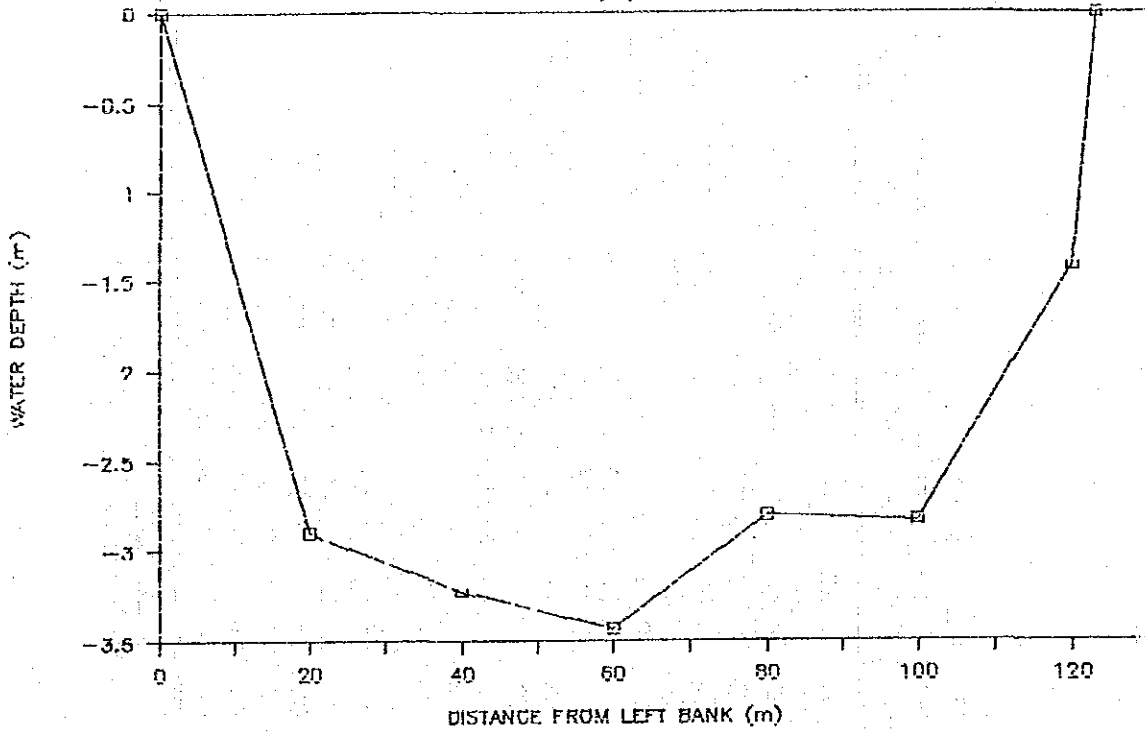
FLOW MEASUREMENT ST. : 1-950 WATOPA POINTON DEC./5/'90

ITEMS\POINT	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-R
WATER DEPTH (m)	0.00	2.90	3.22	3.43	2.80	2.83	1.42
SECTIONAL WIDTH(m)	0.00	20.00	20.00	20.00	20.00	20.00	20.00
TOTAL SEC./WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	120.00
VELOCITY.2-1 (f/s)	0.00	0.60	0.80	1.10	0.80	0.85	0.30
VELOCITY.2-2 (f/s)	0.00	0.60	0.80	1.10	0.80	0.85	0.30
Mean VEL.2 (f/s)	0.00	0.60	0.80	1.10	0.80	0.85	0.30
VELOCITY.3-1 (f/s)	0.00	0.45	0.55	0.75	0.60	0.55	0.10
VELOCITY.3-2 (f/s)	0.00	0.45	0.65	0.70	0.60	0.55	0.10
Mean VEL.3 (f/s)	0.00	0.45	0.65	0.73	0.60	0.55	0.10
Mean VEL. (f/s)	0.00	0.53	0.73	0.91	0.70	0.70	0.20
Mean VEL. (m/s)	0.00	0.160	0.221	0.278	0.213	0.213	0.061
L/MEAN DEPTH (m)	0.000	1.450	3.140	3.378	2.958	2.823	1.773
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00
L/SEC. AREA (m2)	0.00	29.00	31.40	33.73	29.58	28.23	17.73
R/MEAN DEPTH (m)	0.000	2.980	3.273	3.273	2.808	2.478	0.710
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	3.00
R/SEC. AREA (m2)	0.00	29.80	32.73	32.73	28.08	24.78	2.13
SECTIONAL AREA(m2)	0.00	58.80	64.13	66.50	57.65	53.00	19.86
TOTAL AREA (m2)	0.0	58.8	122.9	189.4	247.1	300.1	319.9
S/DISCHARGE (m3/s)	0.00	9.41	14.17	18.50	12.80	11.31	1.21
TOTAL DIS. (m3/s)	0.00	9.41	23.58	42.08	54.38	65.68	65.89

WATER LEVEL (f) : 6.18 WATER LEVEL (m) : 1.88
 TOTAL DISCHARGE : 66.89 MEAN VELOCITY(m/s) : 0.21

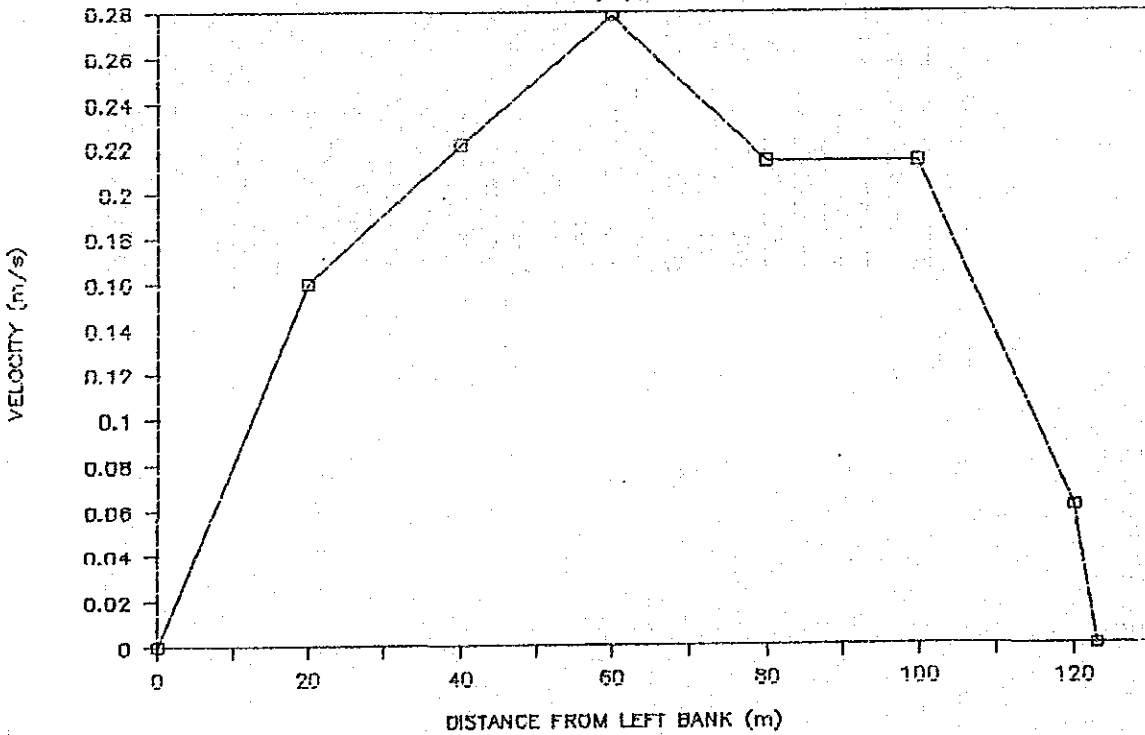
WATER DEPTH (1-950)

DEC./6/90



VELOCITY (1-950)

DEC./6/90



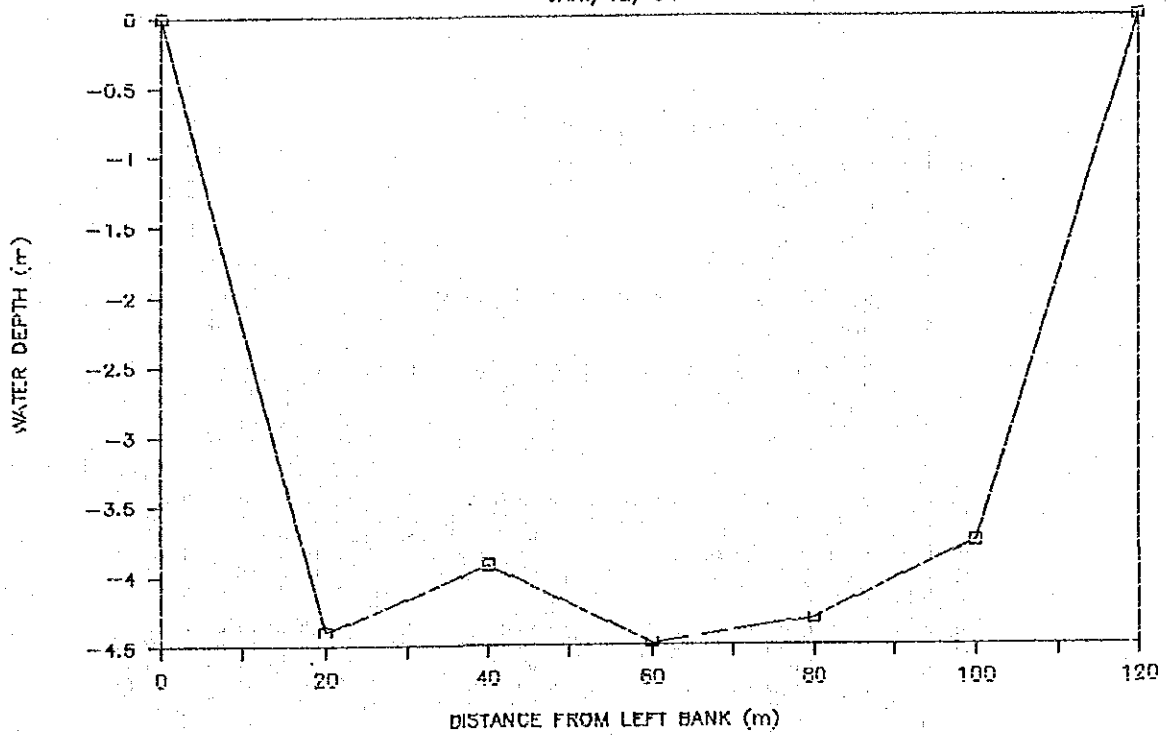
FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON JAN./12/'91

ITEMS\POINT	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.92	4.48	4.31	3.76	0.00
SECTIONAL WIDTH(m)	0.00	20.00	20.00	20.00	20.00	20.00
TOTAL SEC/WIDTH(m)	0.00	40.00	60.00	80.00	100.00	120.00
VELOCITY.2-1 (f/s)	0.00	2.20	2.20	1.80	1.60	0.00
VELOCITY.2-2 (f/s)	0.00	2.20	2.20	1.80	1.60	0.00
Mean VEL.2 (f/s)	0.00	2.20	2.20	1.80	1.60	0.00
VELOCITY.8-1 (f/s)	0.00	1.50	1.50	1.50	1.20	0.00
VELOCITY.8-2 (f/s)	0.00	1.50	1.50	1.50	1.20	0.00
Mean VEL.8 (f/s)	0.00	1.50	1.50	1.50	1.20	0.00
Mean VEL (f/s)	0.00	1.55	1.85	1.65	1.40	0.00
Mean VEL (m/s)	0.00	0.472	0.564	0.503	0.427	0.000
L/MEAN DEPTH (m)	0.000	2.200	4.040	4.353	3.898	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	44.00	40.40	43.53	38.98	-
R/MEAN DEPTH (m)	0.000	4.280	4.060	4.438	4.173	1.880
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	20.00	-
R/SEC. AREA (m2)	0.00	42.80	40.60	44.38	37.60	-
SECTIONAL AREA(m2)	0.00	86.80	81.00	87.78	85.25	76.58
TOTAL AREA (m2)	0.0	86.8	167.8	255.6	340.8	417.4
S/DISCHARGE (m3/s)	0.00	41.01	45.67	42.87	32.68	-
TOTAL DIS. (m3/s)	0.00	41.01	86.68	136.18	179.05	211.73

WATER LEVEL (f) : 10.12 WATER LEVEL (m) : 3.08
 TOTAL DISCHARGE : 211.73 MEAN VELOCITY(m/s) : 0.51

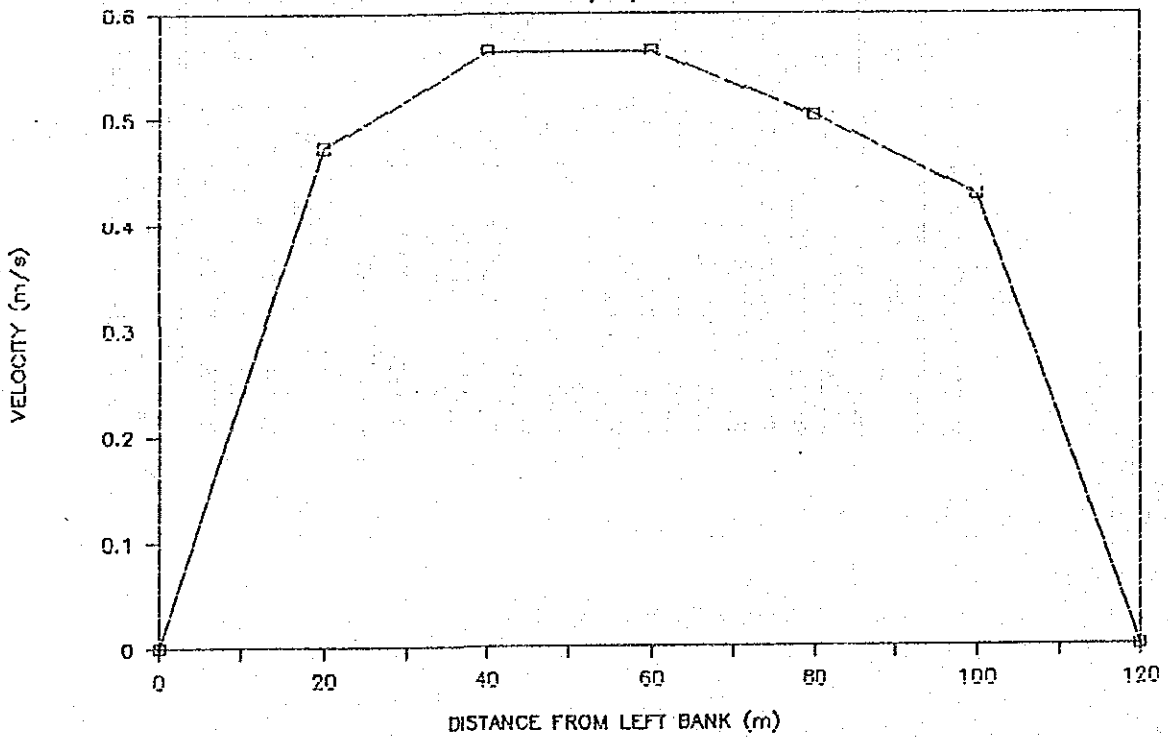
WATER DEPTH (1-950)

JAN./12/'91



VELOCITY (1-950)

JAN./12/'91



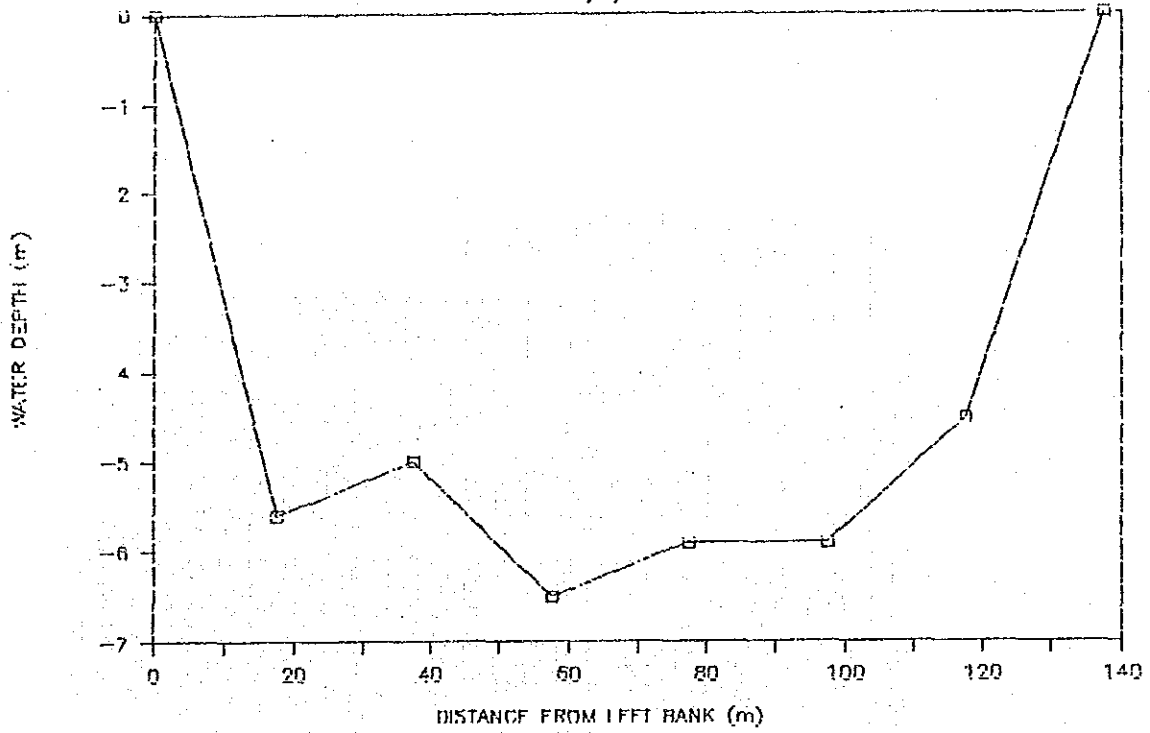
FLOW MEASUREMENT ST. : 1-950 WAJIDA PONDICH FEB. /4/'91

ITEMS\POINT	ND-1	ND-2	ND-3	ND-4	ND-5	ND-6	ND-R
WATER DEPTH (m)	0.00	5.60	5.00	6.50	5.90	5.90	4.52
SECTIONAL WIDTH(m)	0.00	17.50	20.00	20.00	20.00	20.00	20.00
TOTAL SEC.WIDTH(m)	0.00	17.50	37.50	57.50	77.50	97.50	137.50
VELOCITY.2-1 (f/s)	0.00	2.50	3.50	3.50	3.00	2.80	2.40
VELOCITY.2-2 (f/s)	0.00	2.50	3.50	3.50	3.00	2.80	2.40
MEAN VEL.2 (f/s)	0.00	2.50	3.50	3.50	3.00	2.80	2.40
VELOCITY.8-1 (f/s)	0.00	1.50	2.80	2.00	2.00	2.60	1.80
VELOCITY.8-2 (f/s)	0.00	1.50	2.80	2.00	2.00	2.60	1.80
MEAN VEL.8 (f/s)	0.00	1.50	2.80	2.00	2.00	2.60	1.80
MEAN VEL (f/s)	0.00	2.00	3.15	2.75	2.50	2.70	2.10
MEAN VEL (m/s)	0.00	0.610	0.960	0.888	0.762	0.823	0.640
L/MEAN DEPTH (m)	0.000	2.800	5.150	6.125	6.050	5.900	4.865
L/MEAN WIDTH (m)	0.00	17.50	10.00	10.00	10.00	10.00	10.00
L/SEC. AREA (m2)	0.00	49.00	51.50	61.25	60.50	59.00	48.65
R/MEAN DEPTH (m)	0.000	5.450	5.375	6.350	5.900	5.555	2.280
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	20.00
R/SEC. AREA (m2)	0.00	54.50	53.75	63.50	59.00	55.55	45.20
SECTIONAL AREA(m2)	0.00	103.50	105.25	124.75	119.50	114.55	93.85
TOTAL AREA (m2)	0.0	103.5	208.8	333.5	453.0	567.6	661.4
S/DISCHARGE (m/s)	0.00	63.09	101.05	104.57	91.06	94.27	60.07
TOTAL DIS. (m3/s)	0.00	63.09	164.15	288.71	359.77	454.04	514.11

WATER LEVEL (f) : 14.08 WATER LEVEL (m) : 4.29
 TOTAL DISCHARGE : 514.11 MEAN VELOCITY(m/s) : 0.76

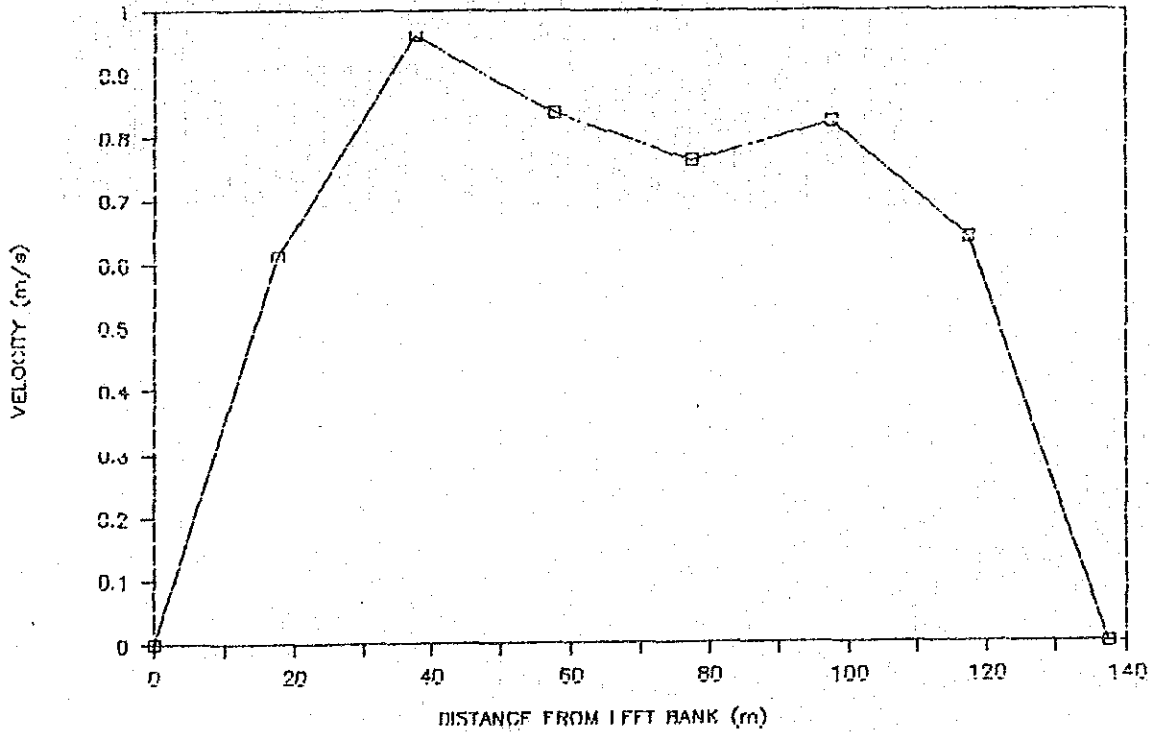
WATER DEPTH (1-950)

FEB./4/91



VELOCITY (1-950)

FEB./4/91

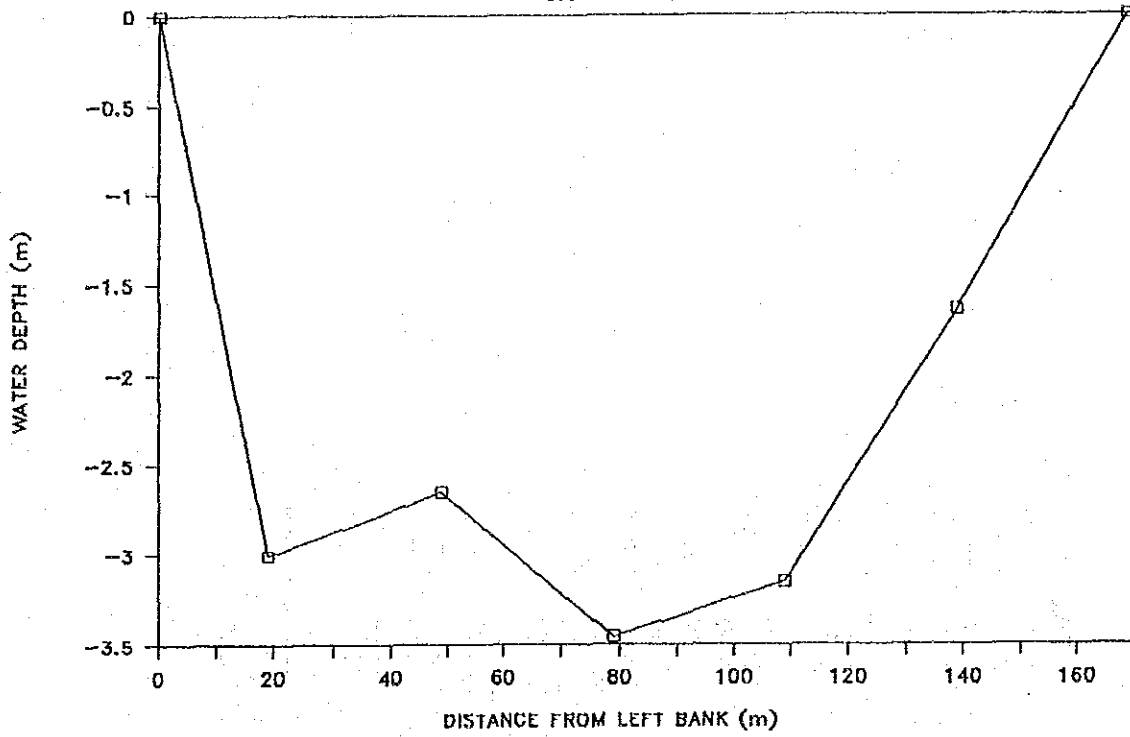


FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON 07/JULY/91

ITEMS\POINT	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R	
WATER DEPTH (m)	0.00	3.00	2.65	3.45	3.15	1.64	0.00	
SECTIONAL WIDTH(m)	0.00	19.00	30.00	30.00	30.00	30.00	30.00	
TOTAL SEC./WIDTH(m)	0.00	19.00	49.00	79.00	109.00	139.00	169.00	
VELOCITY.2-1 (m/s)	0.00	0.40	0.30	0.35	0.40	0.30	0.00	
VELOCITY.2-2 (m/s)	0.00	0.40	0.30	0.35	0.40	0.30	0.00	
Mean VEL.2 (m/s)	0.00	0.40	0.30	0.35	0.40	0.30	0.00	
VELOCITY.8-1 (m/s)	0.00	0.25	0.20	0.20	0.20	0.20	0.00	
VELOCITY.8-2 (m/s)	0.00	0.30	0.20	0.20	0.25	0.25	0.00	
Mean VEL.8 (m/s)	0.00	0.28	0.20	0.20	0.23	0.23	0.00	
Mean VEL (m/s)	0.00	0.34	0.25	0.28	0.31	0.26	0.00	
Mean VEL (m/s)	0.00	0.338	0.250	0.275	0.313	0.263	0.000	
L/MEAN DEPTH (m)	0.000	1.500	2.738	3.250	3.225	2.018	-	
L/MEAN WIDTH (m)	0.00	19.00	15.00	15.00	15.00	15.00	-	
L/SEC. AREA (m2)	0.00	28.50	41.06	48.75	48.38	30.26	-	
R/MEAN DEPTH (m)	0.000	2.913	2.850	3.375	2.773	0.820	-	
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	30.00	-	
R/SEC. AREA (m2)	0.00	43.69	42.75	50.63	41.59	24.60	-	
SECTIONAL AREA(m2)	0.00	72.19	83.81	99.38	89.96	54.86	-	
TOTAL AREA (m2)	0.0	72.2	156.0	255.4	345.3	400.2	-	
S/DISCHARGE (m3/s)	0.00	24.36	20.95	27.33	28.11	14.40	-	
TOTAL DIS. (m3/s)	0.00	24.36	45.32	72.64	100.76	115.16	-	
WATER LEVEL (f) :	7.55	WATER LEVEL (m) :					2.30	
TOTAL DISCHARGE :	115.16	MEAN VELOCITY(m/s) :					0.29	

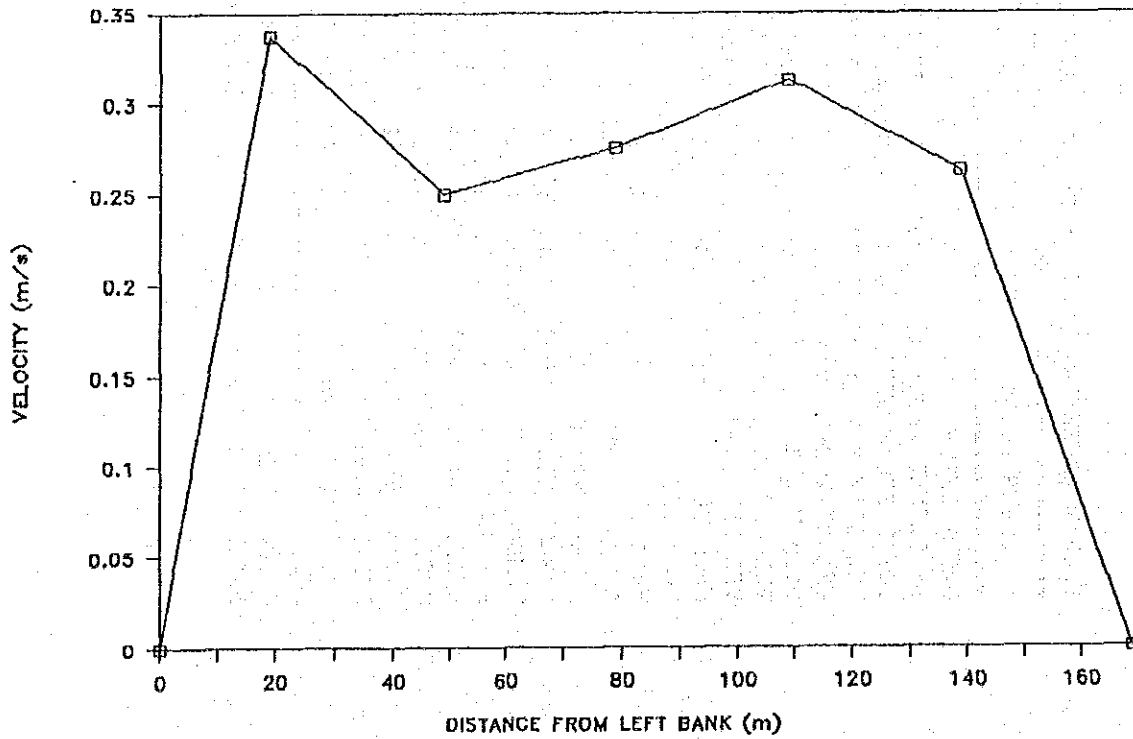
WATER DEPTH (1-950)

07/JULY/91



VELOCITY (1-950)

07/JULY/91

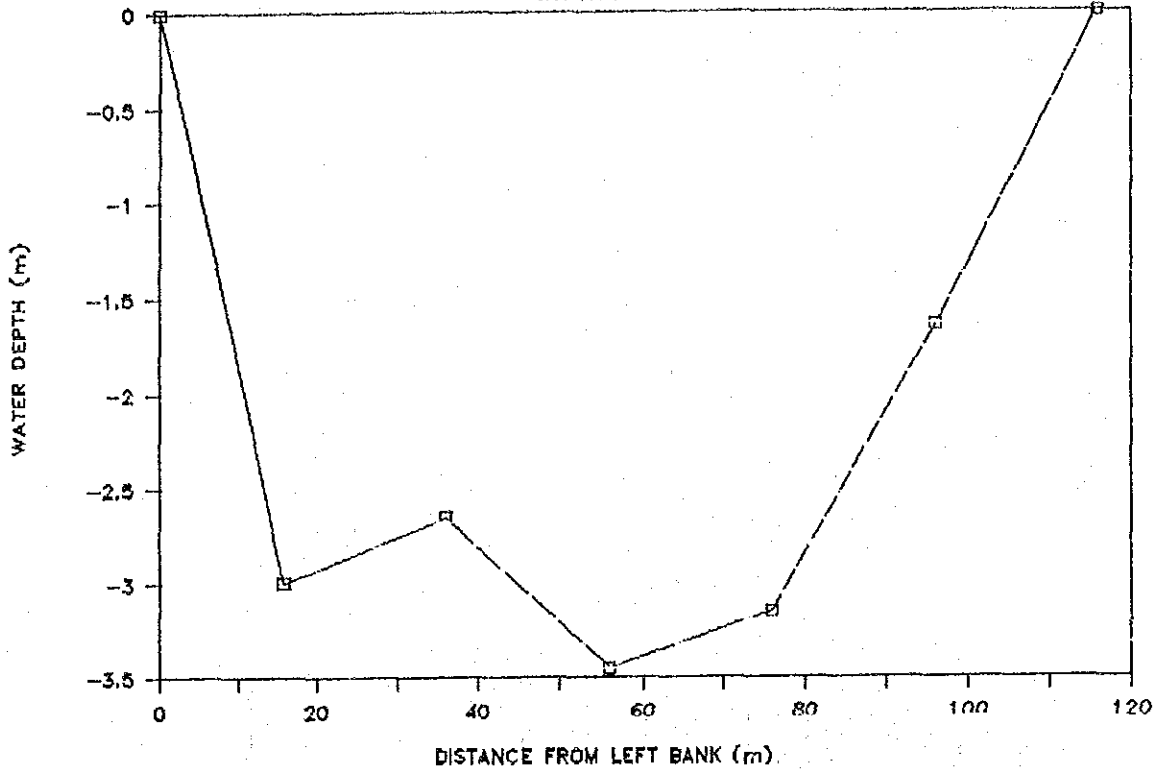


ITEMS\POINT	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.00	2.65	3.45	3.15	1.64	0.00
SECTIONAL WIDTH(m)	0.00	16.00	20.00	20.00	20.00	20.00	20.00
TOTAL SEC/WIDTH(m)	0.00	16.00	36.00	56.00	76.00	96.00	116.00
VELOCITY.2-1 (m/s)	0.00	0.25	0.25	0.20	0.20	0.13	0.00
VELOCITY.2-2 (m/s)	0.00	0.25	0.25	0.20	0.20	0.13	0.00
Mean VEL.2 (m/s)	0.00	0.25	0.25	0.20	0.20	0.13	0.00
VELOCITY.8-1 (m/s)	0.00	0.10	0.15	0.10	0.13	0.10	0.00
VELOCITY.8-2 (m/s)	0.00	0.10	0.15	0.14	0.13	0.10	0.00
Mean VEL.8 (m/s)	0.00	0.10	0.15	0.12	0.13	0.10	0.00
Mean VEL (m/s)	0.00	0.18	0.20	0.16	0.17	0.12	0.00
Mean VEL (m/s)	0.00	0.175	0.200	0.160	0.165	0.115	0.000
L/MEAN DEPTH (m)	0.000	1.500	2.738	3.250	3.225	2.018	-
L/MEAN WIDTH (m)	0.00	16.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	24.00	27.38	32.50	32.25	20.18	-
R/MEAN DEPTH (m)	0.000	2.913	2.850	3.375	2.773	0.820	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	20.00	-
R/SEC. AREA (m2)	0.00	29.13	28.50	33.75	27.73	16.40	-
SECTIONAL AREA(m2)	0.00	53.13	55.88	66.25	59.98	36.58	-
TOTAL AREA (m2)	0.0	53.1	109.0	175.3	235.2	271.8	-
S/DISCHARGE (m3/s)	0.00	9.30	11.18	10.60	9.90	4.21	-
TOTAL DIS. (m3/s)	0.00	9.30	20.47	31.07	40.97	45.17	-

WATER LEVEL (f) : 6.34 WATER LEVEL (m) : 1.93
 TOTAL DISCHARGE : 45.17 MEAN VELOCITY(m/s) : 0.17

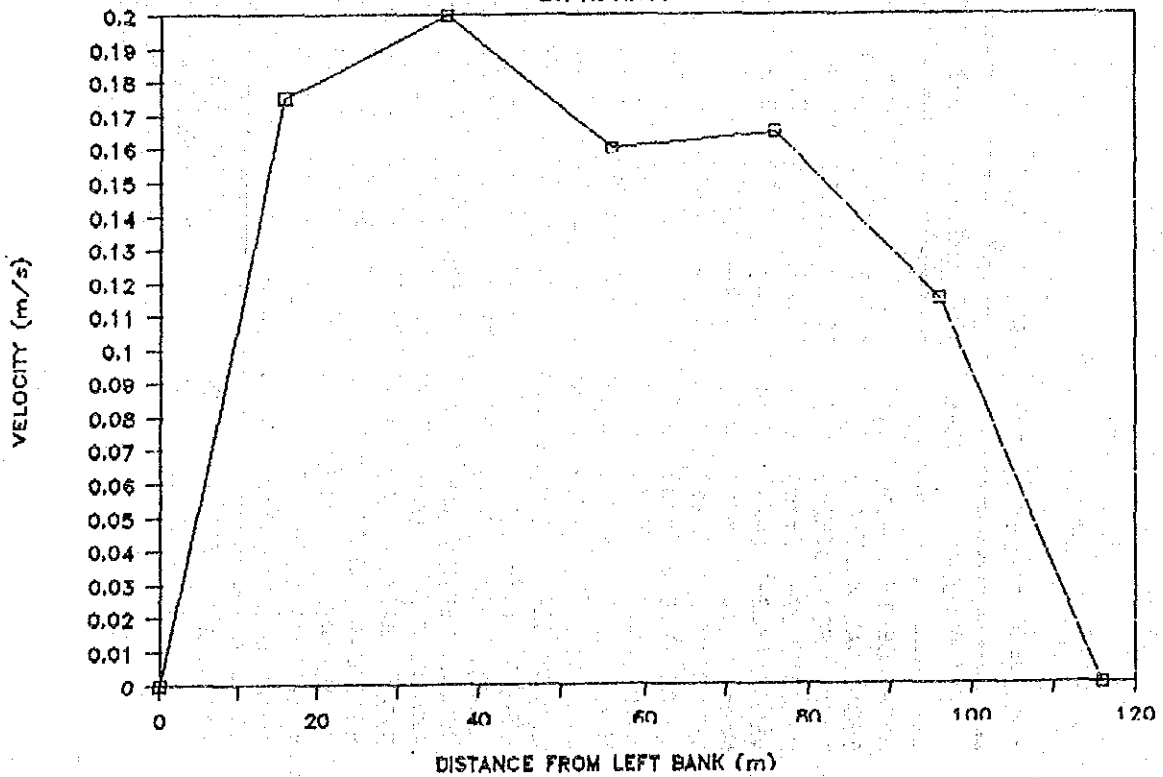
WATER DEPTH (1-950)

20/AUG./91



VELOCITY (1-950)

20/AUG./91



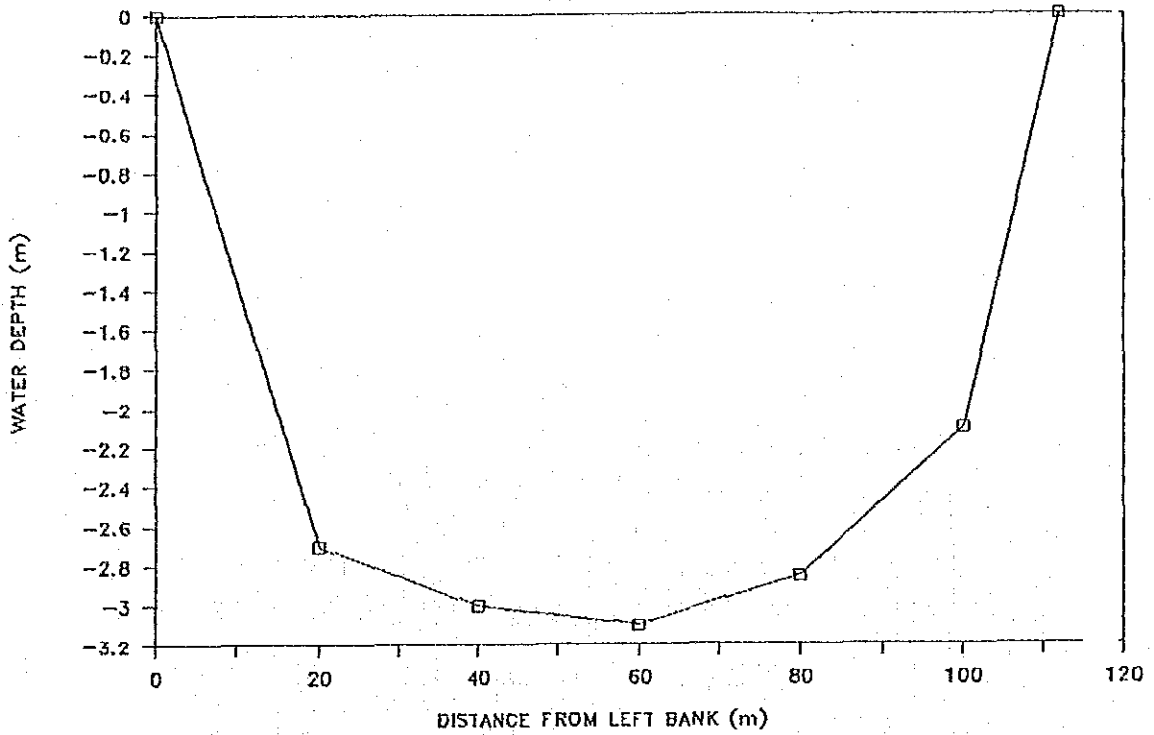
```

FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON 11/SEP/91
=====
ITEMS\PCINT NO-1 NO-2 NO-3 NO-4 NO-5 NO-R
=====
WATER DEPTH (m) 0.00 2.70 3.00 3.10 2.85 2.10 0.00
SECTIONAL WIDTH(m) 0.00 20.00 20.00 20.00 20.00 20.00 12.00
TOTAL SEC/WIDTH(m) 0.00 20.00 40.00 60.00 80.00 100.00 112.00
VELOCITY.2-1 (f/s) 0.00 0.75 0.85 1.00 0.75 0.70 0.00
VELOCITY.2-2 (f/s) 0.00 0.80 0.90 1.00 0.75 0.70 0.00
Mean VEL.2 (f/s) 0.00 0.78 0.88 1.00 0.75 0.70 0.00
VELOCITY.8-1 (f/s) 0.00 0.40 0.40 0.70 0.50 0.50 0.00
VELOCITY.8-2 (f/s) 0.00 0.40 0.40 0.70 0.50 0.50 0.00
Mean VEL.8 (f/s) 0.00 0.40 0.40 0.70 0.50 0.50 0.00
Mean VEL (f/s) 0.00 0.59 0.64 0.85 0.63 0.60 0.00
Mean VEL (m/s) 0.00 0.179 0.194 0.259 0.191 0.183 0.000
L/MEAN DEPTH (m) 0.000 1.350 2.925 3.075 2.913 2.288 -
L/MEAN WIDTH (m) 0.00 20.00 10.00 10.00 10.00 10.00 -
L/SEC. AREA (m2) 0.00 27.00 29.25 30.75 29.13 22.88 -
R/MEAN DEPTH (m) 0.000 2.775 3.025 3.038 2.663 1.050 -
R/MEAN WIDTH (m) 0.00 10.00 10.00 10.00 10.00 12.00 -
R/SEC. AREA (m2) 0.00 27.75 30.25 30.38 26.63 12.60 -
SECTIONAL AREA(m2) 0.00 54.75 59.50 61.13 55.75 35.48 -
TOTAL AREA (m2) 0.0 54.8 114.3 175.4 231.1 266.6 -
S/DISCHARGE (m3/s) 0.00 9.80 11.56 15.84 10.62 6.49 -
TOTAL DIS. (m3/s) 0.00 9.80 21.37 37.20 47.82 54.31 -
=====
WATER LEVEL (f) : 5.97 WATER LEVEL (m) : 1.82
TOTAL DISCHARGE : 54.31 MEAN VELOCITY(m/s) : 0.20
=====

```

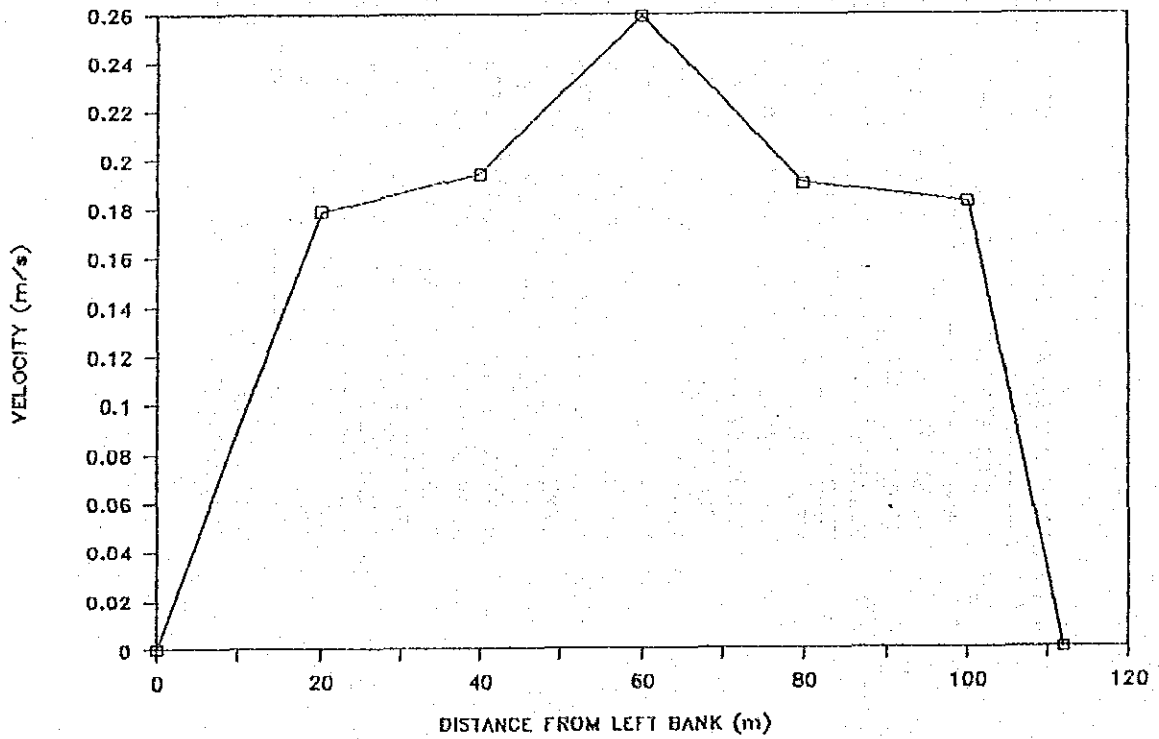

WATER DEPTH (1-950)

11/SEP/01



VELOCITY (1-950)

11/SEP/01



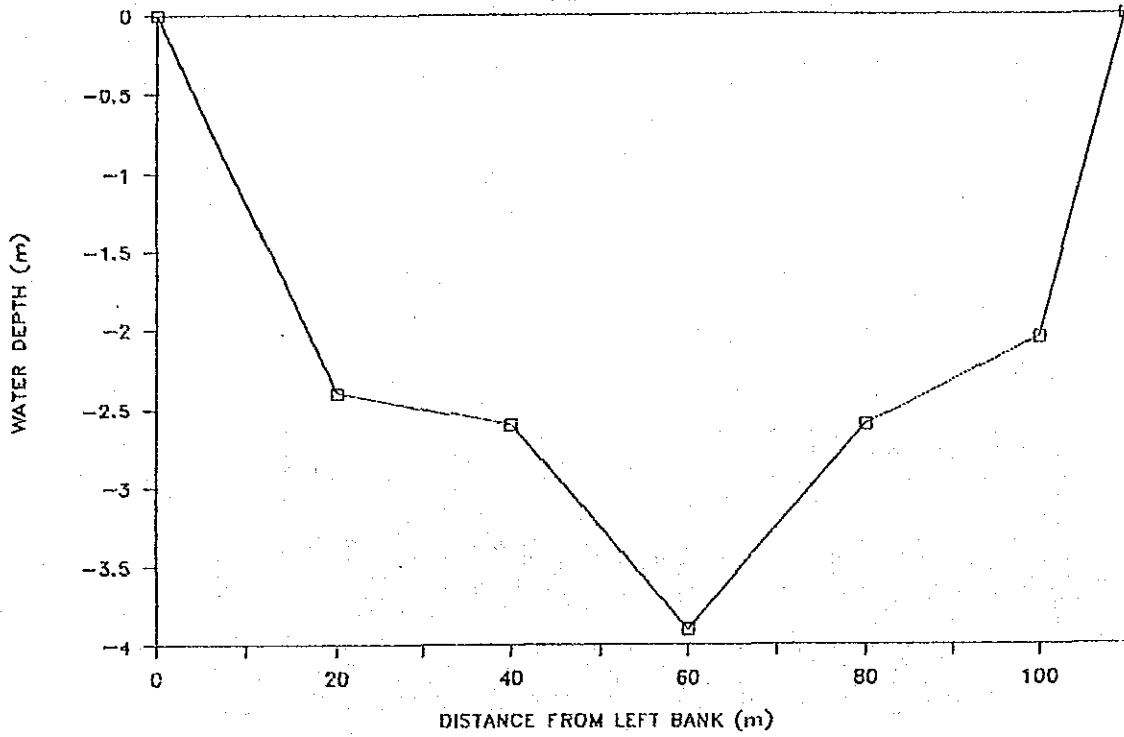
FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON 04/OCT/91

ITEMS\POINT	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	2.40	2.60	3.90	2.60	2.05	0.00
SECTIONAL WIDTH(m)	0.00	20.00	20.00	20.00	20.00	20.00	9.80
TOTAL SEC/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	109.80
VELOCITY.2-1 (f/s)	0.00	0.60	0.75	0.90	0.70	0.60	0.00
VELOCITY.2-2 (f/s)	0.00	0.60	0.75	0.95	0.70	0.60	0.00
Mean VEL.2 (f/s)	0.00	0.60	0.75	0.93	0.70	0.60	0.00
VELOCITY.8-1 (f/s)	0.00	0.30	0.35	0.50	0.40	0.40	0.00
VELOCITY.8-2 (f/s)	0.00	0.30	0.30	0.60	0.40	0.40	0.00
Mean VEL.8 (f/s)	0.00	0.30	0.33	0.55	0.40	0.40	0.00
Mean VEL (f/s)	0.00	0.45	0.54	0.74	0.55	0.50	0.00
Mean VEL (m/s)	0.00	0.137	0.164	0.225	0.163	0.152	0.000
I/MEAN DEPTH (m)	0.000	1.200	2.550	3.575	2.925	2.188	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	-
I/SEC. AREA (m2)	0.00	24.00	25.50	35.75	29.25	21.88	-
R/MEAN DEPTH (m)	0.000	2.450	2.925	3.575	2.463	1.025	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	9.80	-
R/SEC. AREA (m2)	0.00	24.50	29.25	35.75	24.63	10.05	-
SECTIONAL AREA(m2)	0.00	48.50	54.75	71.50	53.88	31.92	-
TOTAL AREA (m2)	0.0	48.5	103.3	174.8	228.6	260.5	-
S/DISCHARGE (m3/s)	0.00	6.65	8.97	16.07	9.03	4.86	-
TOTAL DIS. (m3/s)	0.00	6.65	15.62	31.69	40.73	45.59	-

WATER LEVEL (f) : 5.64 WATER LEVEL (m) : 1.72
 TOTAL DISCHARGE : 45.59 MEAN VELOCITY(m/s) : 0.17

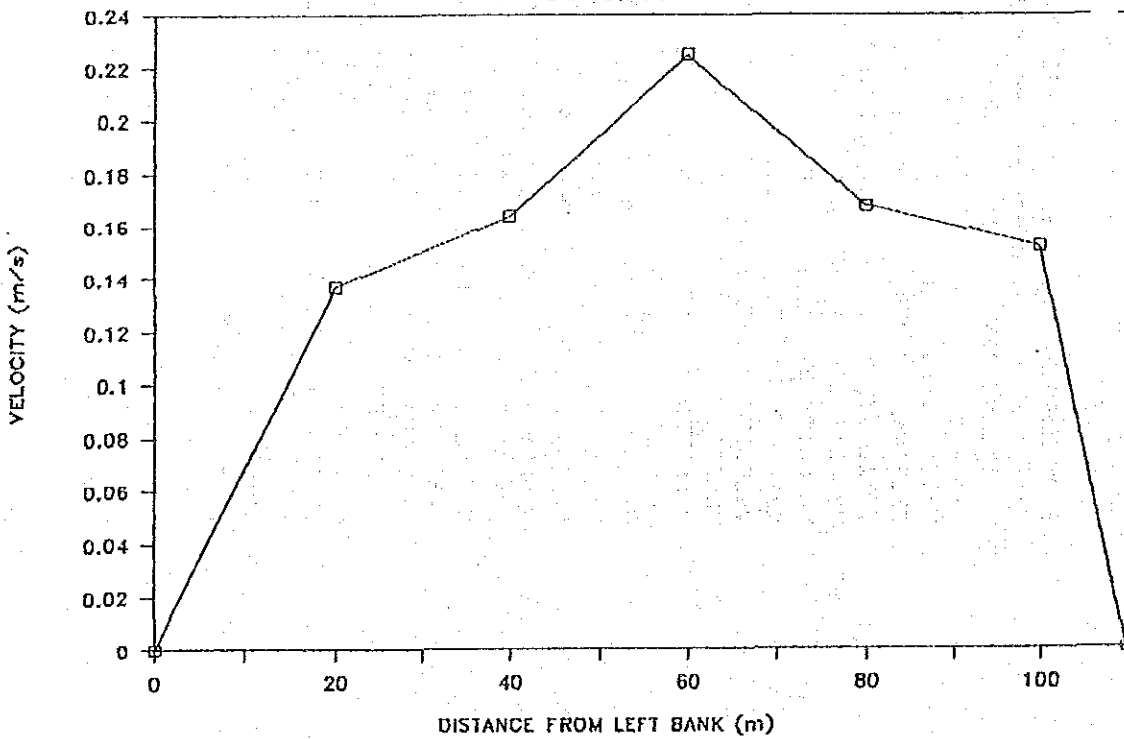
WATER DEPTH (1-950)

04/OCT/91



VELOCITY (1-950)

04/OCT/91

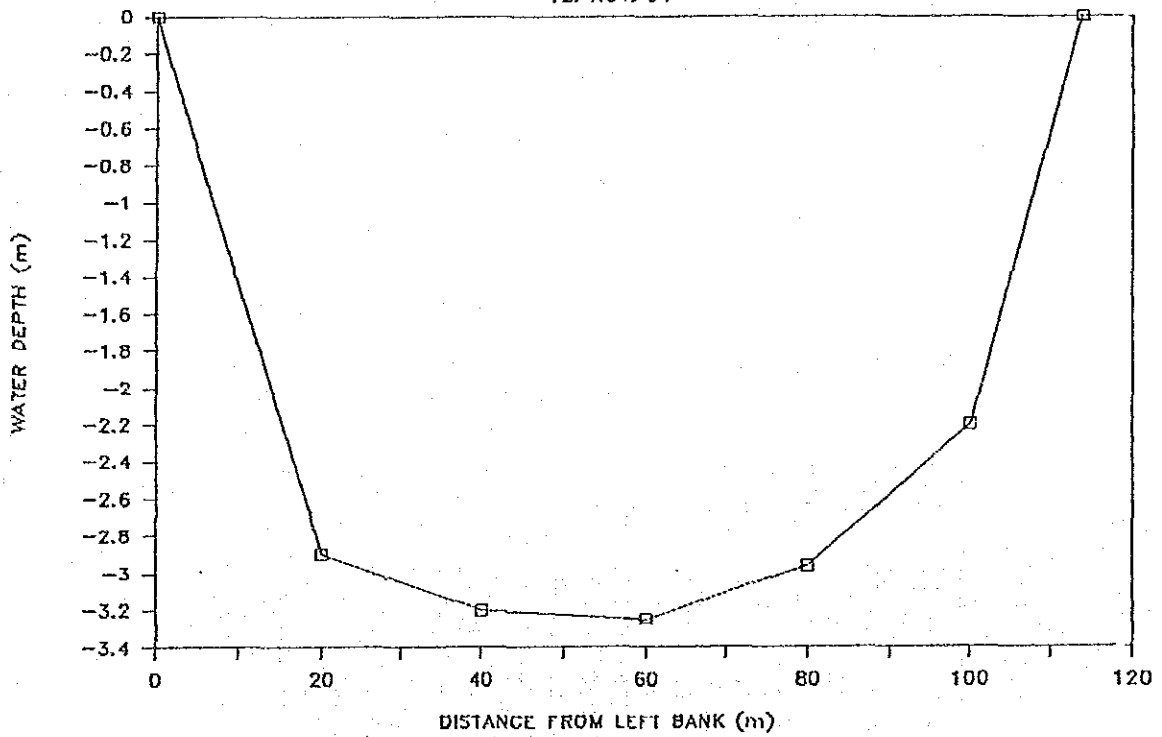


FLOW MEASUREMENT ST. : 1-950 WATOPA PONTOON 12/NOV/91

ITEMS\POINT	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R	
WATER DEPTH (m)	0.00	2.90	3.20	3.25	2.96	2.20	0.00	
SECTIONAL WIDTH(m)	0.00	20.00	20.00	20.00	20.00	20.00	13.80	
TOTAL SEC/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	113.80	
VELOCITY.2-1 (f/s)	0.00	0.80	0.90	0.90	0.80	0.70	0.00	
VELOCITY.2-2 (f/s)	0.00	0.80	0.90	0.90	0.80	0.70	0.00	
Mean VEL.2 (f/s)	0.00	0.80	0.90	0.90	0.80	0.70	0.00	
VELOCITY.8-1 (f/s)	0.00	0.50	0.50	0.60	0.60	0.50	0.00	
VELOCITY.8-2 (f/s)	0.00	0.50	0.50	0.60	0.60	0.50	0.00	
Mean VEL.8 (f/s)	0.00	0.50	0.50	0.60	0.60	0.50	0.00	
Mean VEL (f/s)	0.00	0.65	0.70	0.75	0.70	0.60	0.00	
Mean VEL (m/s)	0.00	0.198	0.213	0.229	0.213	0.183	0.000	
L/MEAN DEPTH (m)	0.000	1.450	3.125	3.238	3.033	2.390	-	
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00	
L/SEC. AREA (m2)	0.00	29.00	31.25	32.38	30.33	23.90	-	
R/MEAN DEPTH (m)	0.000	2.975	3.213	3.178	2.770	1.100	-	
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	13.80	-	
R/SEC. AREA (m2)	0.00	29.75	32.13	31.78	27.70	15.18	-	
SECTIONAL AREA(m2)	0.00	58.75	63.38	64.15	58.03	39.08	-	
TOTAL AREA (m2)	0.0	58.8	122.1	186.3	244.3	283.4	-	
S/DISCHARGE (m3/s)	0.00	11.64	13.52	14.66	12.38	7.15	-	
TOTAL DIS. (m3/s)	0.00	11.64	25.16	39.83	52.21	59.35	-	
WATER LEVEL (f) :	6.29	WATER LEVEL (m) :					1.92	
TOTAL DISCHARGE :	59.35	MEAN VELOCITY(m/s) :					0.21	

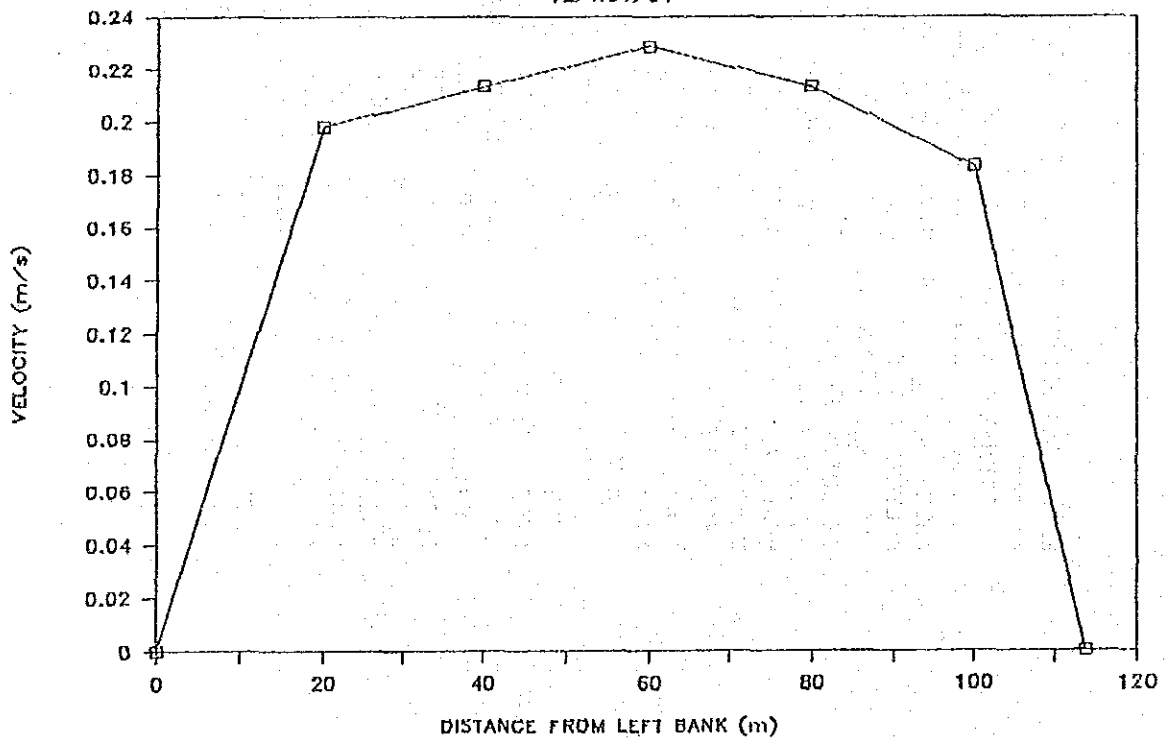
WATER DEPTH (1-950)

12/NOV/91



VELOCITY (1-950)

12/NOV/91



LIST OF FLOW MEASUREMENT

ST.: 2-030 LUKULU

NO.	DATE	-----[Feet - Second]-----				+++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
1	09-Mar-90	9.09	31358	13996	2.23	2.77	888	1300	0.68
2	16-Jun-90	4.76	20015	14120	1.41	1.45	567	1312	0.43
3	01-Aug-90	3.05	11081	12510	0.89	0.93	314	1162	0.27
4	25-Aug-90	2.46	10966	11937	0.92	0.75	311	1109	0.28
5	29-Sep-90	1.87	9525	11166	0.85	0.57	270	1037	0.26
6	25-Oct-90	1.90	8434	11177	0.75	0.58	239	1038	0.23
7	06-Dec-90	2.62	11564	12154	0.95	0.80	327	1129	0.29
8	05-Feb-91	14.01	80483	22926	3.51	4.27	2279	2130	1.07
9	09-Mar-91	14.96	47936	15220	3.15	4.56	1357	1414	0.96
10	05-Jul-91	3.18	10197	11512	0.89	0.97	289	1069	0.27
11	17-Aug-91	2.23	6314	12028	0.52	0.68	179	1117	0.16
12	11-Sep-91	1.80	7028	11900	0.59	0.55	199	1106	0.18
13	04-Oct-91	1.90	8795	10723	0.82	0.58	249	996	0.25
14	12-Nov-91	2.13	10570	11506	0.92	0.65	299	1069	0.28

[Note] H:Water Level, Q:Discharge, A:Discharge Area, V:Velocity

FLOW MEASUREMENT ST. : 2-030 LUKULU MAR/ 9/90

ITEMS	NO 1	NO 2	NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11
WATER DEPTH (m)	1.88	6.84	8.65	7.02	6.40	5.85	5.36	4.54	3.73	4.22	2.53
SE/WIDTH (m)	0.00	14.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
TOTAL SE/WIDTH(m)	0.00	14.50	34.50	74.50	94.50	114.50	134.50	154.50	174.50	194.50	214.50
VELOCITY.2 1(f/s)	0.00	2.40	3.50	2.80	2.40	2.30	2.40	1.90	2.00	1.50	0.70
VELOCITY.2 2(f/s)	0.00	2.50	3.40	2.70	2.50	2.20	2.30	2.00	1.90	1.40	0.60
MEAN VEL.2 (f/s)	0.00	2.45	3.45	2.75	2.45	2.25	2.35	1.95	1.95	1.45	0.65
VELOCITY.8 1(f/s)	0.00	2.20	2.90	2.80	2.40	2.30	2.00	1.60	1.60	1.20	0.50
VELOCITY.8 2(f/s)	0.00	2.30	3.00	2.70	2.50	2.20	1.90	1.70	1.60	1.30	0.60
MEAN VEL.8 (f/s)	0.00	2.25	2.95	2.75	2.45	2.25	1.95	1.65	1.60	1.25	0.55
MEAN VEL (f/s)	0.000	2.350	3.200	2.750	2.450	2.250	2.150	1.800	1.775	1.350	0.600
MEAN VEL (m/s)	0.000	0.716	0.975	0.838	0.747	0.686	0.655	0.549	0.541	0.411	0.183
L/MEAN DEPTH (m)	0.000	4.360	8.198	7.323	6.555	5.988	5.483	4.745	3.933	4.098	2.953
L/MEAN WIDTH (m)	0.00	14.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L/SEC. AREA (m2)	0.00	63.22	81.98	73.23	65.55	59.88	54.93	47.45	39.33	40.98	29.53
R/MEAN DEPTH (m)	0.000	7.293	8.545	7.928	6.865	5.728	5.155	4.338	3.853	3.798	2.548
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
R/SEC. AREA (m2)	0.00	72.93	85.45	79.28	68.65	57.28	51.55	43.38	38.53	37.98	25.48
S/AREA (m2)	0.00	136.15	167.43	162.63	141.88	128.18	117.15	106.38	90.83	79.95	55.00
TOTAL AREA (m2)	0.0	136.1	303.6	466.2	608.1	736.2	853.4	959.8	1050.6	1128.4	1262.4
S/DISCHARGE(m3/s)	0.00	97.52	163.30	123.92	118.92	95.72	80.34	69.71	49.93	42.12	32.49
TOTAL DIS. (m3/s)	0.00	97.52	260.82	384.74	503.66	599.37	679.71	749.42	799.25	841.97	883.92

WATER LEVEL (f) : —
 WATER LEVEL (m) : —
 TOTAL DISCHARGE : —
 MEAN VELOCITY(m/s) : —

FLOW MEASUREMENT ST. : 2-030 LUKULU MAR/ 9/90

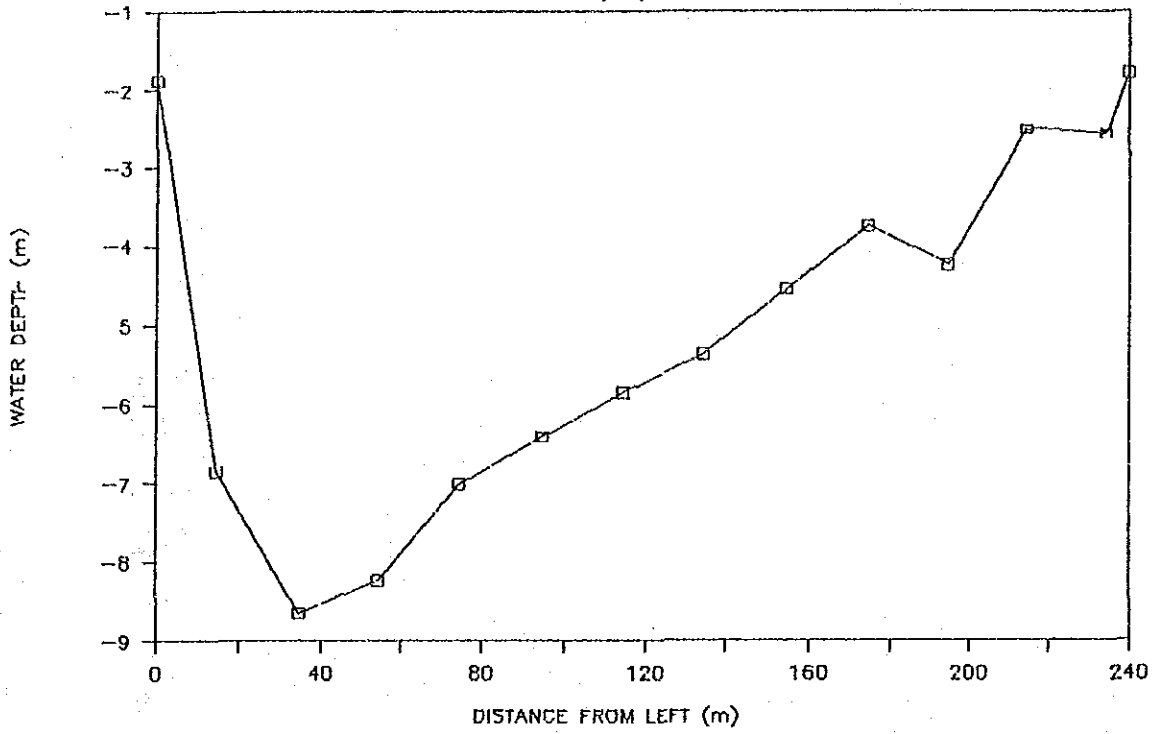
ITEMS NO 12 NO R

WATER DEPTH (m)	2.60	1.78
SE/WIDTH (m)	20.00	5.50
TOTAL SE/WIDTH(m)	234.50	240.00
VELOCITY.2 1(f/s)	0.40	0.00
VELOCITY.2 2(f/s)	0.40	0.00
MEAN VEL.2 (f/s)	0.40	0.00
VELOCITY.8 1(f/s)	0.30	0.00
VELOCITY.8 2(f/s)	0.30	0.00
MEAN VEL.8 (f/s)	0.30	0.00
MEAN VEL (f/s)	0.350	0.000
MEAN VEL (m/s)	0.107	0.000
L/MEAN DEPTH (m)	2.583	
L/MEAN WIDTH (m)	10.00	
L/SEC. AREA (m2)	25.83	
R/MEAN DEPTH (m)	2.190	
R/MEAN WIDTH (m)	5.50	
R/SEC. AREA (m2)	12.05	
S/AREA (m2)	37.87	
TOTAL AREA (m2)	1300.3	
S/DISCHARGE(m3/s)	4.04	
TOTAL DIS. (m3/s)	887.96	

WATER LEVEL (f) : 9.10 WATER LEVEL (m) : 2.77
TOTAL DISCHARGE : 887.96 MEAN VELOCITY(m/s) : 0.68

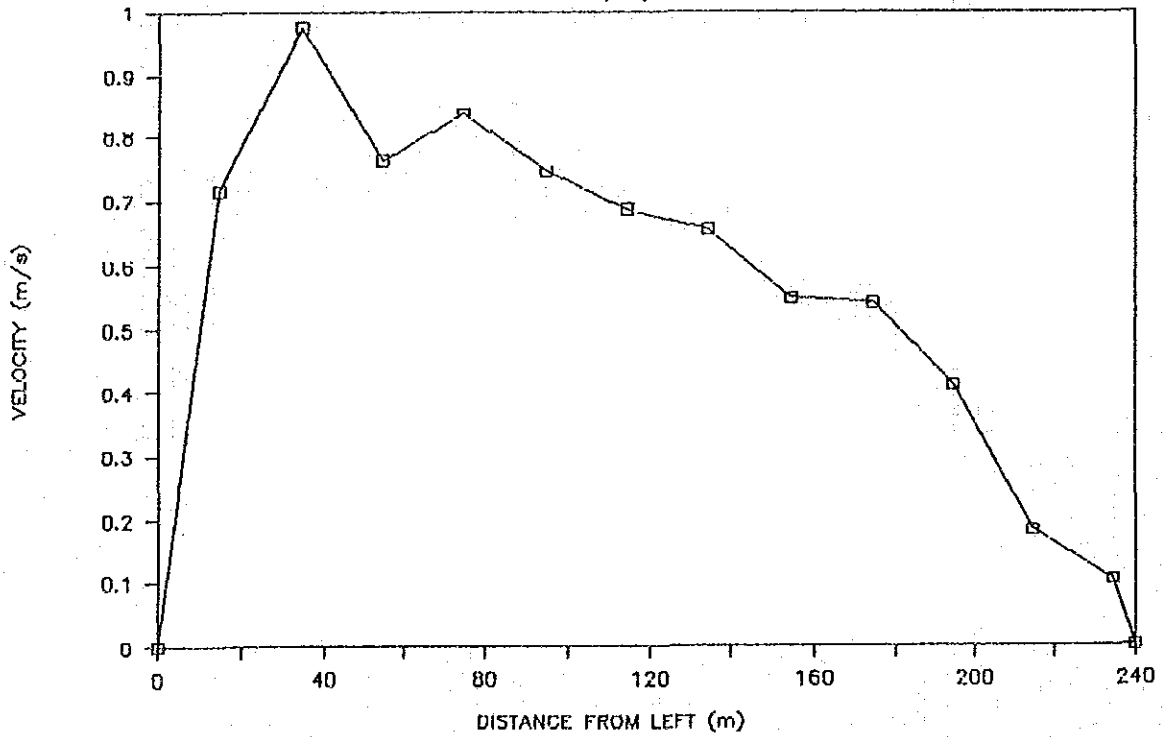
WATER DEPTH (2-030)

MAR./ 9/90



VELOCITY (2-030)

MAR./ 9/90



FLOW MEASUREMENT ST. : 2-020 LUKULU

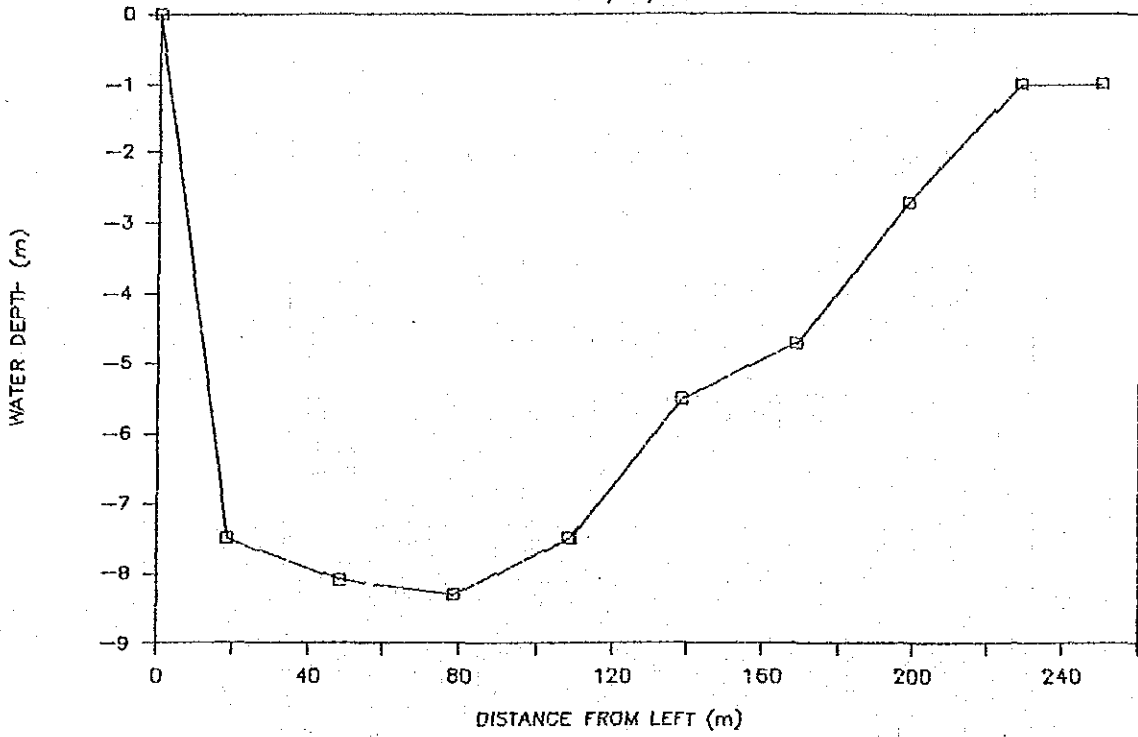
JUN/16/90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-R
WATER DEPTH (m)	7.50	9.10	9.30	7.50	5.50	4.70	2.70	1.00	1.00
SE/WIDTH (m)	18.60	30.00	30.00	30.00	30.00	30.00	30.00	30.00	21.00
TOTAL SE/WIDTH(m)	18.60	49.60	78.60	109.60	139.60	169.60	199.60	229.60	249.60
VELOCITY.2-1(f/s)	1.40	1.90	1.95	1.60	1.45	1.35	0.90	0.35	0.00
VELOCITY.2-2(f/s)	1.40	1.90	1.95	1.60	1.45	1.35	0.90	0.35	0.00
MEAN VEL.2 (f/s)	1.40	1.90	1.95	1.60	1.45	1.35	0.90	0.35	0.00
VELOCITY.8-1(f/s)	1.20	1.55	1.50	1.30	1.30	1.20	0.65	0.25	0.00
VELOCITY.8-2(f/s)	1.20	1.55	1.50	1.30	1.30	1.00	0.65	0.25	0.00
MEAN VEL.8 (f/s)	1.20	1.55	1.50	1.30	1.30	1.10	0.65	0.25	0.00
MEAN VEL (f/s)	1.300	1.725	1.675	1.450	1.375	1.225	0.725	0.300	0.000
MEAN VEL (m/s)	0.396	0.526	0.511	0.442	0.419	0.373	0.221	0.091	0.000
L/MEAN DEPTH (m)	3.750	7.950	8.250	7.700	6.000	4.900	3.200	1.425	-
L/MEAN WIDTH (m)	18.60	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SEC. AREA (m2)	59.75	119.25	123.75	115.50	90.00	73.50	48.00	21.38	-
R/MEAN DEPTH (m)	7.650	8.150	8.100	7.000	5.300	4.200	2.275	1.000	-
R/MEAN WIDTH (m)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
R/SEC. AREA (m2)	114.75	122.25	121.50	105.00	79.50	63.00	34.13	21.00	-
S/AREA (m2)	184.50	241.50	245.25	220.50	169.50	136.50	92.13	42.38	-
TOTAL AREA (m2)	0.0	184.5	426.0	891.3	1061.3	1197.3	1279.9	1322.3	-
S/DISCHARGE(m3/s)	0.00	73.11	126.98	125.21	97.45	71.04	50.97	3.87	-
TOTAL DIS. (m3/s)	0.00	73.11	200.08	325.29	422.74	544.75	562.90	566.77	-

WATER LEVEL (f) : 4.77 WATER LEVEL (m) : 1.45
 TOTAL DISCHARGE : 566.77 MEAN VELOCITY(m/s) : 0.43

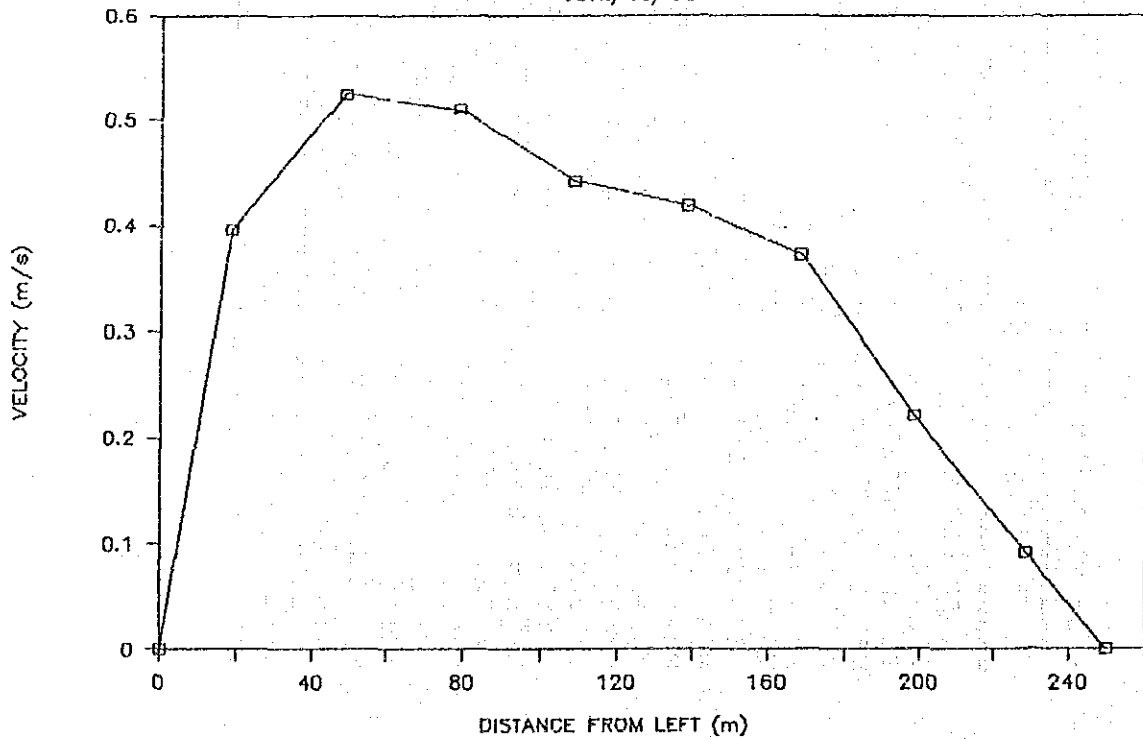
WATER DEPTH (2-030)

JUN./16/90



VELOCITY (2-030)

JUN./16/90



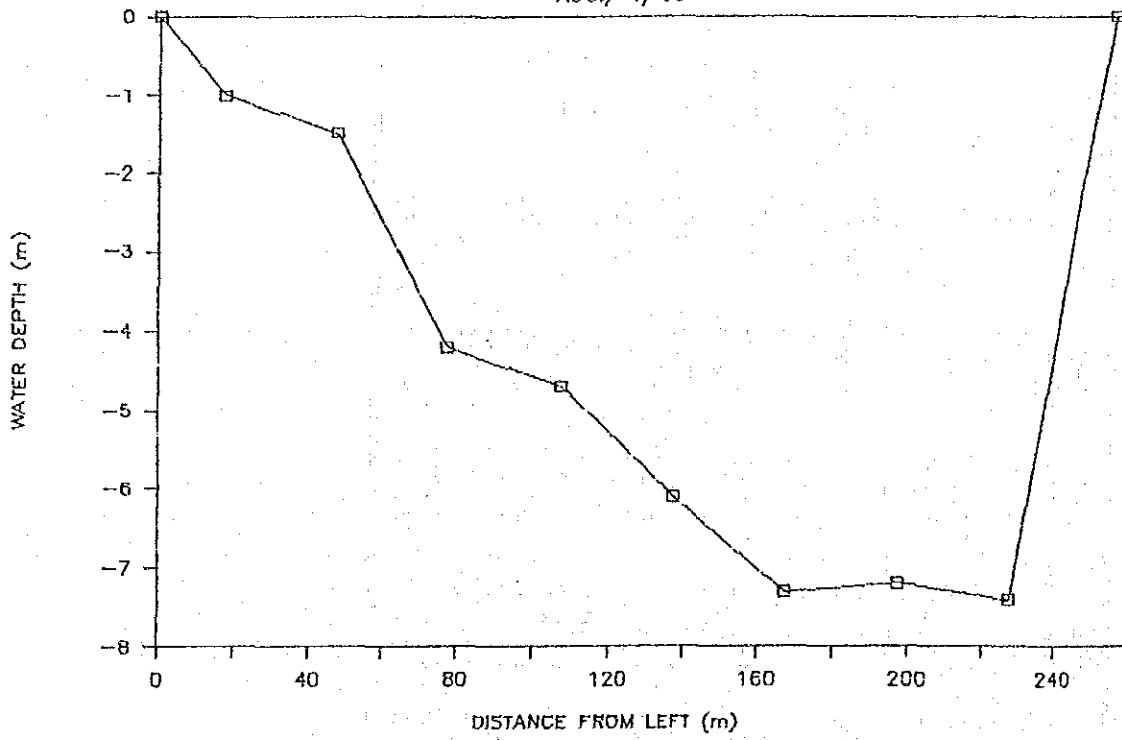
FLOW MEASUREMENT ST. : 2-030 LUKULU AUG./01/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-R
WATER DEPTH (m)	1.00	1.50	4.20	4.70	6.10	7.30	7.20	7.40	0.00
SE/WIDTH (m)	17.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
TOTAL SE/WIDTH(m)	17.50	47.50	77.50	107.50	137.50	167.50	197.50	227.50	257.50
VELOCITY.2-1(f/s)	0.00	0.10	0.75	0.60	1.40	1.00	1.50	1.25	0.00
VELOCITY.2-2(f/s)	0.00	0.10	0.75	0.60	1.45	1.10	1.55	1.20	0.00
MEAN VEL.2 (f/s)	0.00	0.10	0.75	0.60	1.43	1.05	1.53	1.23	0.00
VELOCITY.8-1(f/s)	0.00	0.05	0.40	0.45	1.00	0.65	0.90	0.75	0.00
VELOCITY.8-2(f/s)	0.00	0.05	0.40	0.45	1.00	0.60	0.95	0.70	0.00
MEAN VEL.8 (f/s)	0.00	0.05	0.40	0.45	1.00	0.63	0.93	0.73	0.00
MEAN VEL (f/s)	0.000	0.075	0.575	0.525	1.213	0.938	1.225	0.975	0.000
MEAN VEL (m/s)	0.000	0.023	0.175	0.160	0.370	0.255	0.373	0.297	0.000
L/MEAN DEPTH (m)	0.500	1.375	3.525	4.575	5.750	7.000	7.225	7.350	-
L/MEAN WIDTH (m)	17.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SEC. AREA (m2)	0.00	8.75	20.63	52.88	68.63	86.25	108.38	110.25	-
R/MEAN DEPTH (m)	0.000	1.125	2.175	4.325	6.400	7.275	7.250	3.700	-
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	30.00	-
R/SEC. AREA (m2)	0.00	16.88	32.63	64.88	75.75	96.00	108.75	111.00	-
S/AREA (m2)	0.00	25.63	53.25	117.75	144.38	182.25	217.13	221.25	-
TOTAL AREA (m2)	0.0	25.6	78.9	196.6	341.0	523.3	737.4	954.5	1175.8
S/DISCHARGE(m3/s)	0.00	0.00	1.22	20.64	23.10	67.35	81.07	65.75	-
TOTAL DIS. (m3/s)	0.00	0.00	1.22	21.85	44.96	112.31	166.97	248.04	313.79

WATER LEVEL (f) : 3.04 WATER LEVEL (m) : 0.93
 TOTAL DISCHARGE : 313.79 MEAN VELOCITY(m/s) : 0.27

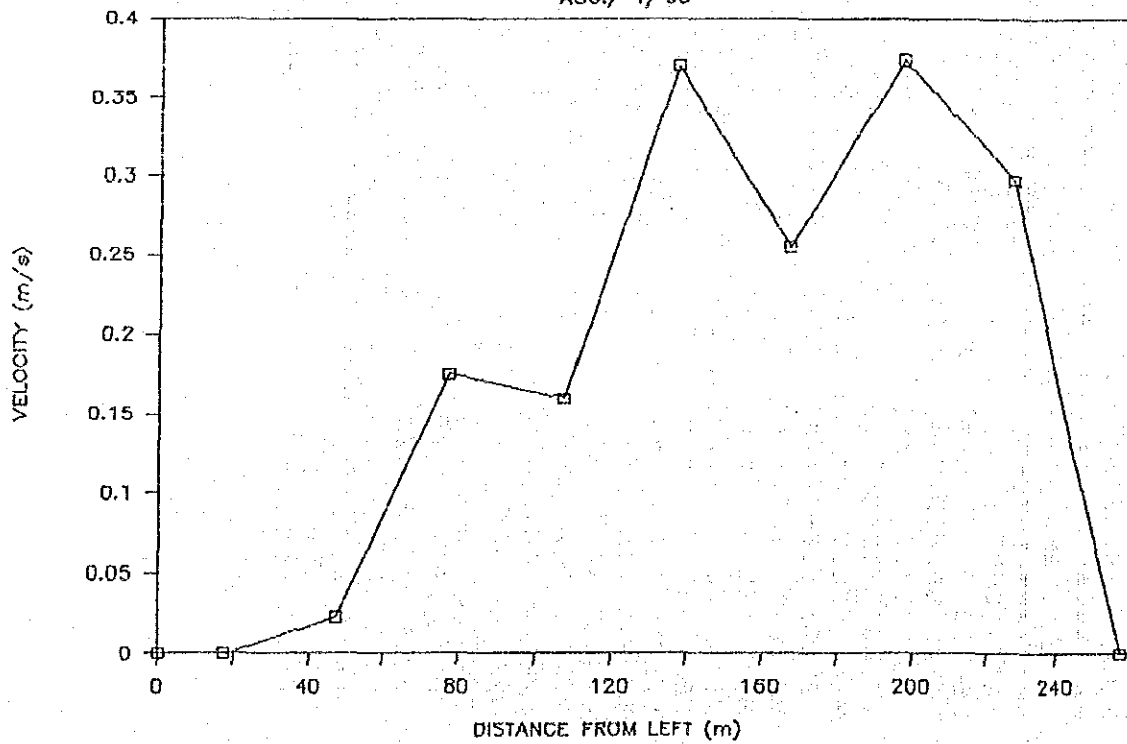
WATER DEPTH (2-030)

AUG./ 1/90



VELOCITY (2-030)

AUG./ 1/90



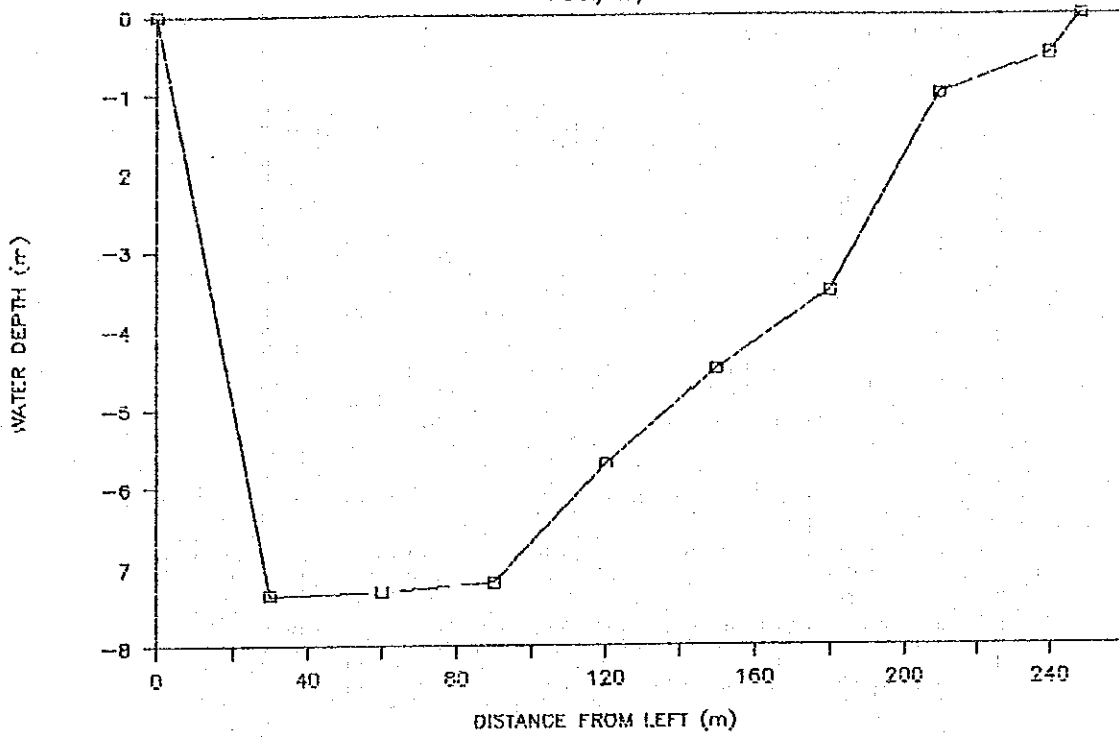
```

=====
FLOW MEASUREMENT ST. : 2-030 LUKULU AUG./25/'90
=====
ITEMS NO-L NO-1 NO-2 NO-3 NO-4 NO-5 NO-6 NO-7 NO-8 NO-R
=====
WATER DEPTH (m) 0.00 7.35 7.30 7.20 5.70 4.50 3.50 1.00 0.50 0.00
SI/WIDTH (m) 0.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 0.50
TOTAL SE/WIDTH(m) 0.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 8.50
VELOCITY.2-1(f/s) 0.00 0.95 1.25 1.35 1.15 0.90 0.60 0.20 0.00 248.50
VELOCITY.2-2(f/s) 0.00 0.95 1.25 1.35 1.15 0.90 0.60 0.20 0.00 0.00
MEAN VEL.2 (f/s) 0.00 0.95 1.25 1.35 1.15 0.90 0.60 0.20 0.00 0.00
VELOCITY.8-1(f/s) 0.00 0.70 1.00 1.10 0.85 0.65 0.40 0.10 0.00 0.00
VELOCITY.8-2(f/s) 0.00 0.70 1.00 1.10 0.85 0.65 0.40 0.10 0.00 0.00
MEAN VEL.8 (f/s) 0.00 0.70 1.00 1.10 0.85 0.65 0.40 0.10 0.00 0.00
MEAN VEL (f/s) 0.000 0.825 1.125 1.225 1.000 0.775 0.500 0.150 0.000 0.000
MEAN VEL (m/s) 0.000 0.251 0.343 0.373 0.305 0.236 0.152 0.046 0.000 0.000
L/MEAN DEPTH (m) 0.000 3.675 7.313 7.225 6.075 4.800 3.750 1.625 0.625 -
L/MEAN WIDTH (m) 0.00 30.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 -
L/SEC. AREA (m2) 0.00 110.25 109.69 108.38 91.13 72.00 56.25 24.38 9.38 -
R/MEAN DEPTH (m) 0.000 7.338 7.275 6.825 5.400 4.250 2.875 0.875 0.250 -
R/MEAN WIDTH (m) 0.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 8.50 -
R/SEC. AREA (m2) 0.00 110.06 109.13 102.38 81.00 63.75 43.13 13.13 2.13 -
S/AREA (m2) 0.00 220.31 218.81 210.75 172.13 135.75 99.38 37.50 11.50 -
TOTAL AREA (m2) 0.0 220.3 439.1 549.9 822.0 957.8 1057.1 1094.6 1106.1 -
S/DISCHARGE(m3/s) 0.00 55.40 75.03 78.69 52.46 32.07 15.14 1.71 0.00 -
TOTAL DIS. (m3/s) 0.00 55.40 130.43 209.12 261.58 293.65 308.80 310.51 310.51 -
=====
WATER LEVEL (f) : 2.46 WATER LEVEL (m) : 0.75
TOTAL DISCHARGE : 310.51 MEAN VELOCITY(m/s) : 0.28
=====

```

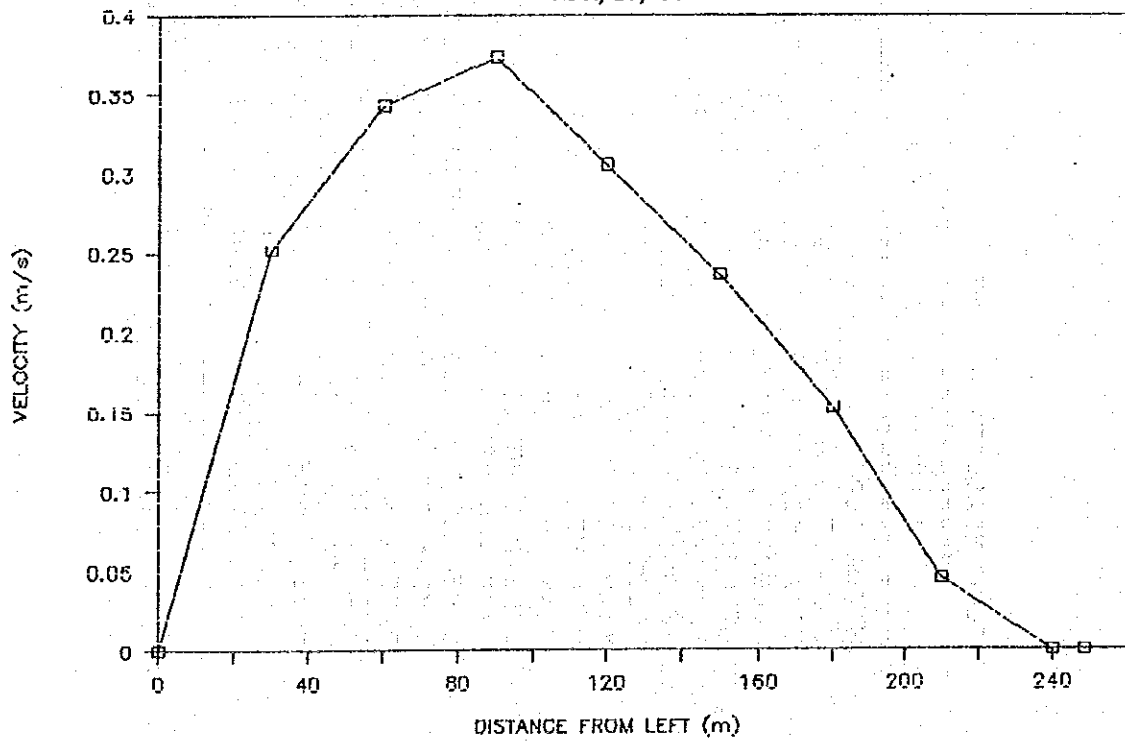
WATER DEPTH (2-030)

AUG./25/90



VELOCITY (2-030)

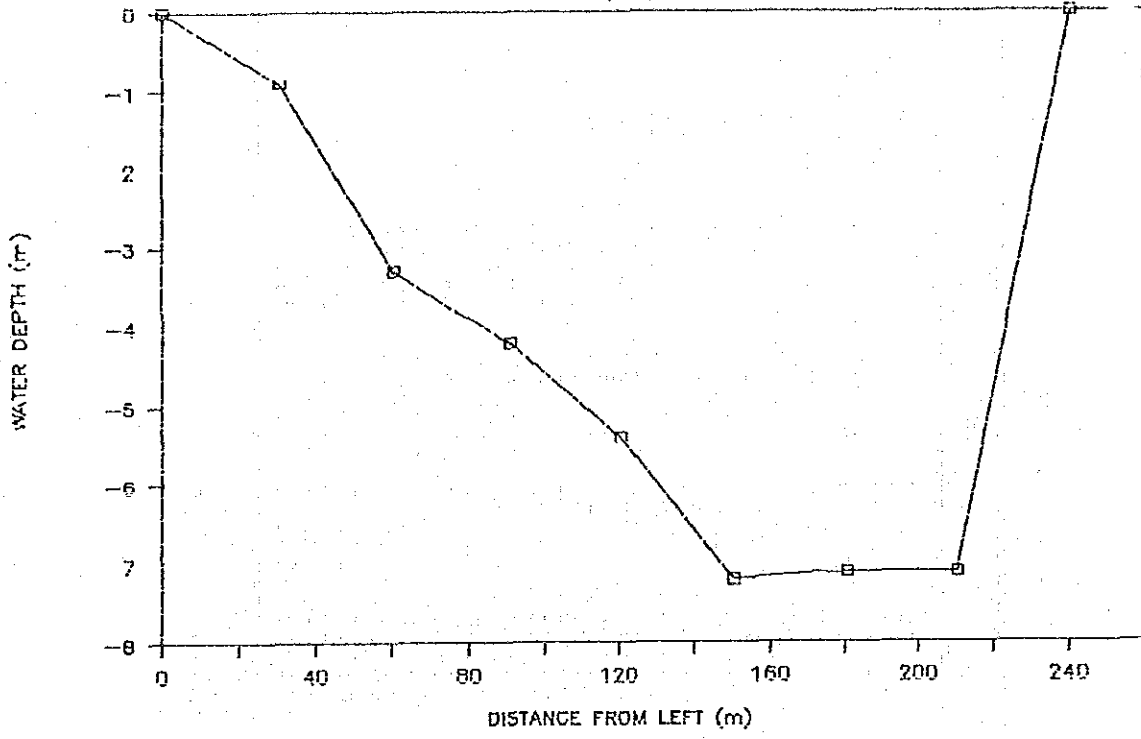
AUG./25/90



FLOW MEASUREMENT ST. : 2-030 LUKULU									
SEP./29/'90									
ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-R	
WATER DEPTH (m)	0.00	0.90	3.30	4.20	5.40	7.20	7.10	7.10	0.00
S/WIDTH (m)	0.00	30.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00
TOTAL SE/WIDTH(m)	0.00	30.50	60.50	90.50	120.50	150.50	190.50	210.50	240.50
VELOCITY.2-1(f/s)	0.00	0.15	0.50	0.90	1.40	1.20	1.40	0.50	0.00
VELOCITY.2-2(f/s)	0.00	0.15	0.50	0.90	1.40	1.20	1.20	0.55	0.00
MEAN VEL.2 (f/s)	0.00	0.15	0.50	0.90	1.40	1.20	1.30	0.53	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.50	0.50	1.10	0.80	1.00	0.30	0.00
VELOCITY.8-2(f/s)	0.00	0.10	0.45	0.45	1.10	0.80	1.00	0.30	0.00
MEAN VEL.8 (f/s)	0.00	0.10	0.48	0.48	1.10	0.80	1.00	0.30	0.00
MEAN VEL (f/s)	0.000	0.125	0.488	0.688	1.250	1.000	1.150	0.413	0.000
MEAN VEL (m/s)	0.000	0.038	0.149	0.210	0.381	0.305	0.351	0.126	0.000
L/MEAN DEPTH (m)	0.000	0.450	2.700	3.975	5.100	6.750	7.125	7.100	-
L/MEAN WIDTH (m)	0.00	30.50	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SEC. AREA (m2)	0.00	13.73	40.50	59.63	76.50	101.25	106.88	106.50	-
R/MEAN DEPTH (m)	0.000	1.500	3.525	4.500	5.850	7.175	7.100	3.550	-
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	30.00	-
R/SEC. AREA (m2)	0.00	22.50	52.88	67.50	87.75	107.63	106.50	106.50	-
S/AREA (m2)	0.00	36.23	93.38	127.13	164.25	208.68	213.38	213.00	-
TOTAL AREA (m2)	0.0	36.2	129.6	256.7	421.0	629.9	843.2	1056.2	-
S/DISCHARGE(m3/s)	0.00	1.38	13.87	26.64	62.58	63.67	74.79	26.78	-
TOTAL DIS. (m3/s)	0.00	1.38	15.25	41.89	104.47	168.14	242.93	289.71	-
WATER LEVEL (f)	1.87	WATER LEVEL (m) : 0.57							
TOTAL DISCHARGE (m3/s)	71	MEAN VELOCITY(m/s) : 0.26							

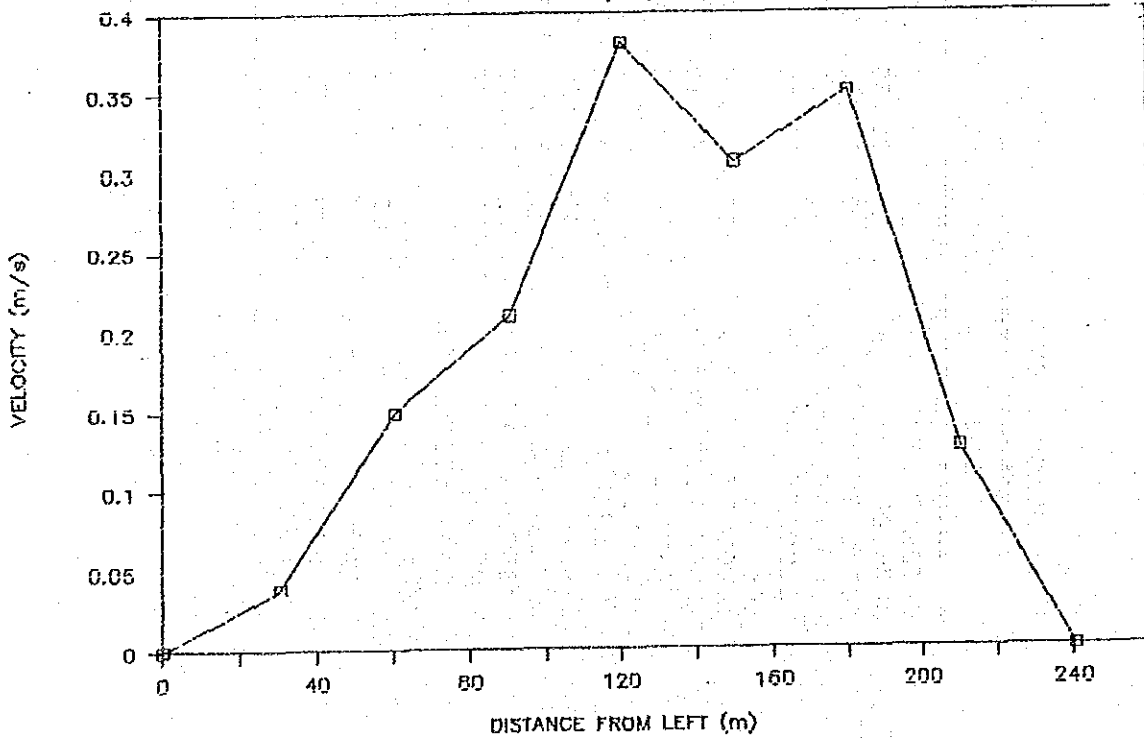
WATER DEPTH (2-030)

SEP./29/90



VELOCITY (2-030)

SEP./29/90



FLOW MEASUREMENT ST. : 2-030 LUKULU

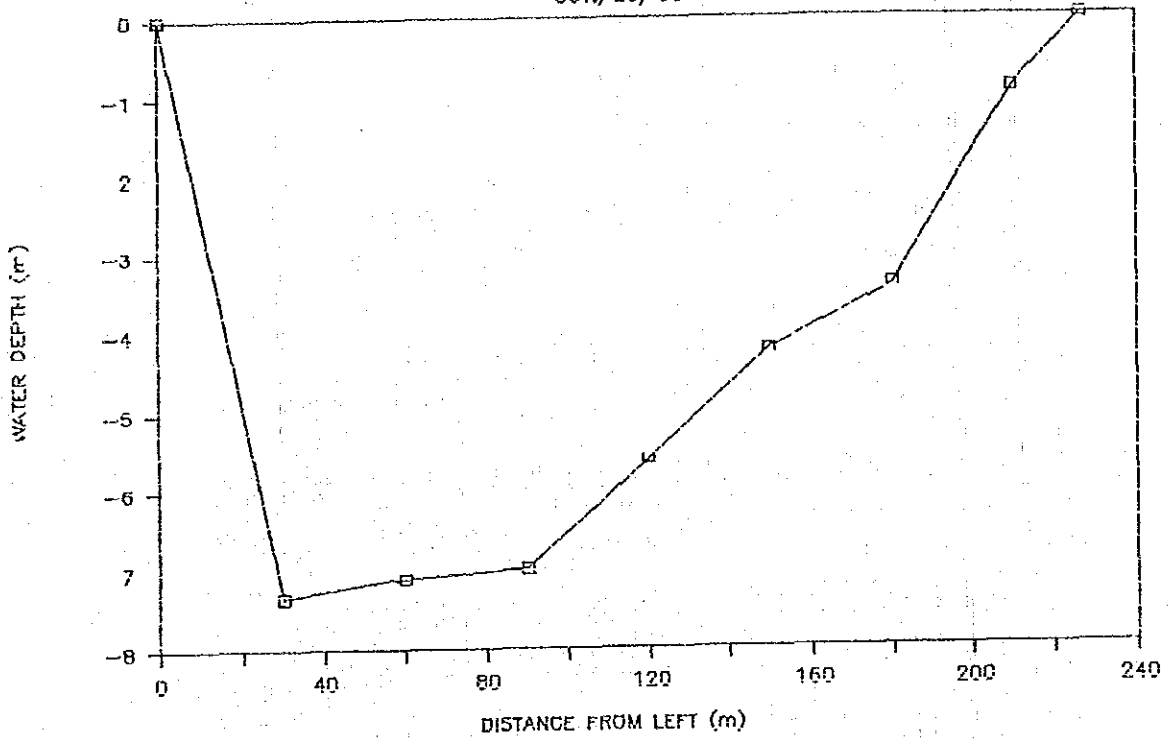
OCT./25/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-R
WATER DEPTH (m)	7.33	7.10	6.98	5.60	4.22	3.42	0.92	0.00
SE/WIDTH (m)	30.00	30.00	30.00	30.00	30.00	30.00	30.00	16.80
TOTAL SE/WIDTH(m)	30.00	60.00	90.00	120.00	150.00	180.00	210.00	226.80
VELOCITY.2-1(f/s)	1.00	1.20	0.85	0.70	0.60	0.55	0.20	0.00
VELOCITY.2-2(f/s)	1.00	1.20	0.85	0.70	0.60	0.55	0.20	0.00
MEAN VEL.2 (f/s)	1.00	1.20	0.85	0.70	0.60	0.55	0.20	0.00
VELOCITY.8-1(f/s)	0.80	1.00	0.60	0.45	0.35	0.30	0.10	0.00
VELOCITY.8-2(f/s)	0.80	1.00	0.60	0.45	0.35	0.30	0.10	0.00
MEAN VEL.8 (f/s)	0.80	1.00	0.60	0.45	0.35	0.30	0.10	0.00
MEAN VEL (f/s)	0.900	1.100	0.725	0.575	0.475	0.425	0.150	0.000
MEAN VEL (m/s)	0.274	0.335	0.221	0.175	0.145	0.130	0.046	0.000
L/MEAN DEPTH (m)	3.665	7.158	7.010	5.945	4.565	3.620	1.545	-
L/MEAN WIDTH (m)	30.00	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SEC. AREA (m2)	109.95	107.36	105.15	89.18	68.48	54.30	23.18	-
R/MEAN DEPTH (m)	7.273	7.070	6.635	5.255	4.020	2.795	0.460	-
R/MEAN WIDTH (m)	15.00	15.00	15.00	15.00	15.00	15.00	16.80	-
R/SEC. AREA (m2)	109.09	106.05	99.53	78.83	60.30	41.93	7.73	-
S/AREA (m2)	219.04	213.41	204.68	168.00	128.78	96.23	30.90	-
TOTAL AREA (m2)	219.0	432.5	637.1	805.1	933.9	1030.1	1061.0	-
S/DISCHARGE(m3/s)	60.09	71.55	45.23	29.44	18.64	12.46	1.41	-
TOTAL DIS. (m3/s)	60.09	131.64	176.87	206.31	224.06	237.42	238.83	-

WATER LEVEL (f) : 1.89 WATER LEVEL (m) : 0.58
 TOTAL DISCHARGE : 238.83 MEAN VELOCITY(m/s) : 0.23

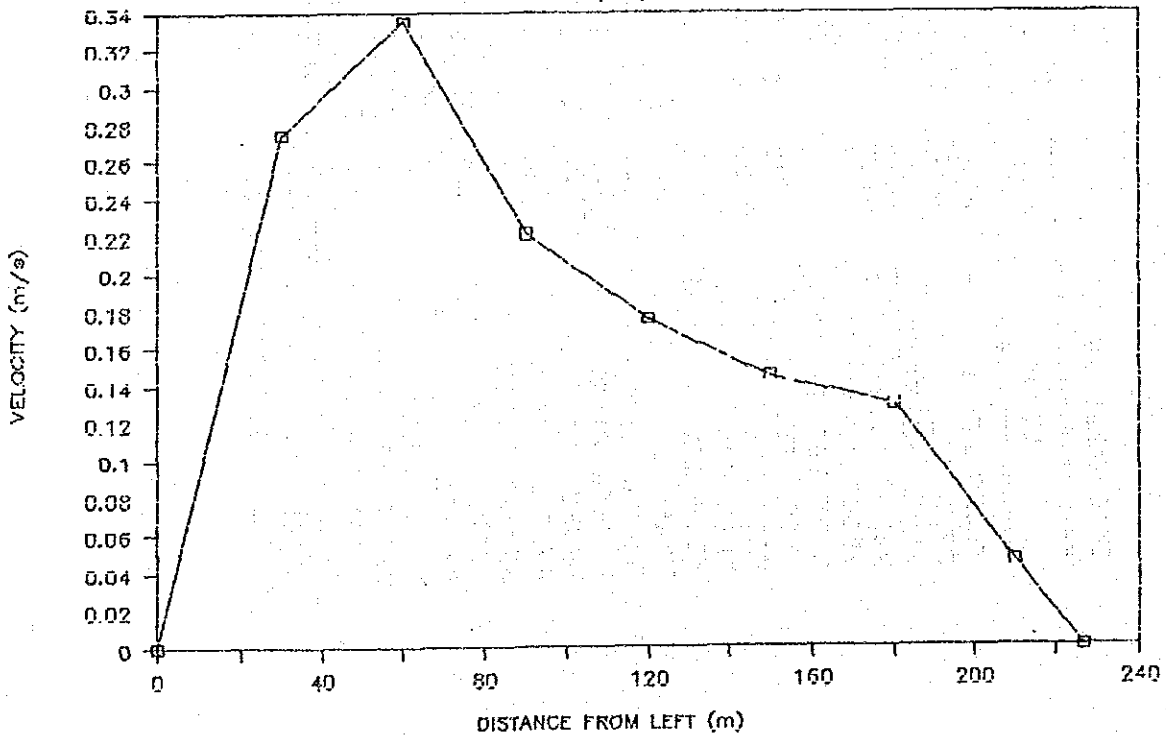
WATER DEPTH (2-030)

001./25/90



VELOCITY (2-030)

001./25/90



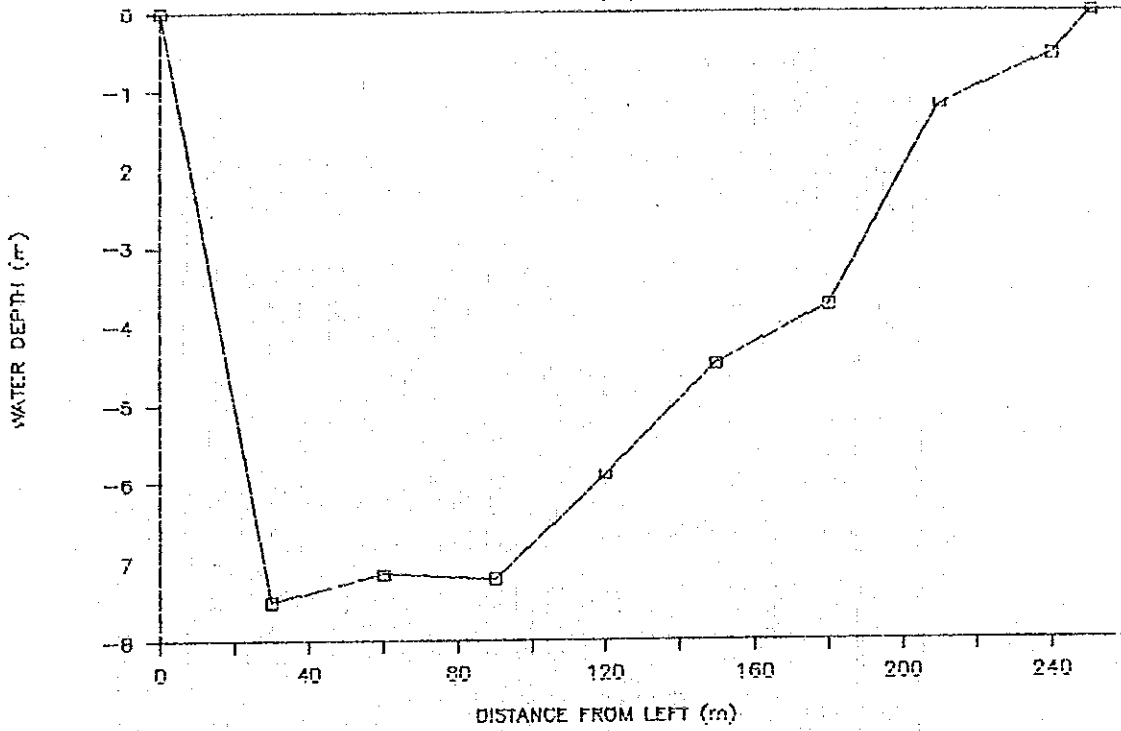
FLOW MEASUREMENT ST. : 2-030 LUKULU DEC./6/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-R
WATER DEPTH (m)	7.50	7.15	7.22	5.89	4.49	3.75	1.20	0.55	0.00
SE/WIDTH (m)	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	10.50
TOTAL SE/WIDTH(m)	30.00	60.00	90.00	120.00	150.00	180.00	210.00	240.00	250.50
VELOCITY.2-1(f/s)	0.00	1.50	1.30	0.90	0.60	0.50	0.15	0.00	0.00
VELOCITY.2-2(f/s)	0.00	1.50	1.30	0.90	0.60	0.50	0.15	0.00	0.00
MEAN VEL.2 (f/s)	0.00	1.53	1.30	0.90	0.60	0.50	0.15	0.00	0.00
VELOCITY.8-1(f/s)	0.00	1.10	0.90	0.75	0.40	0.20	0.10	0.00	0.00
VELOCITY.8-2(f/s)	0.00	1.10	0.90	0.75	0.40	0.20	0.10	0.00	0.00
MEAN VEL.8 (f/s)	0.00	1.10	0.90	0.75	0.40	0.20	0.10	0.00	0.00
MEAN VEL (f/s)	0.000	1.313	1.350	1.100	0.825	0.500	0.125	0.000	0.000
MEAN VEL (m/s)	0.000	0.400	0.411	0.335	0.251	0.152	0.107	0.038	0.000
L/MEAN DEPTH (m)	0.000	3.750	7.238	7.203	6.223	4.840	3.935	1.838	0.713
L/MEAN WIDTH (m)	0.00	30.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
L/SEC. AREA (m2)	0.00	112.50	108.56	108.04	93.34	72.60	59.03	27.56	10.69
R/MEAN DEPTH (m)	0.000	7.413	7.168	6.888	5.540	4.305	3.113	1.038	0.275
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	10.50
R/SEC. AREA (m2)	0.00	111.19	107.51	103.31	83.10	64.58	46.69	15.56	2.89
S/AREA (m2)	0.00	223.69	216.08	211.35	176.44	137.18	105.71	43.13	13.58
TOTAL AREA (m2)	0.0	223.7	439.8	651.1	827.6	964.7	1070.4	1113.6	1127.1
S/DISCHARGE (m3/s)	0.00	89.49	88.91	70.86	44.37	20.91	11.28	1.64	0.00
TOTAL DIS. (m3/s)	0.00	89.49	178.40	249.26	293.63	314.53	325.81	327.45	327.45

WATER LEVEL (f) : 2.62 WATER LEVEL (m) : 0.80
 TOTAL DISCHARGE : 327.45 MEAN VELOCITY(m/s) : 0.29

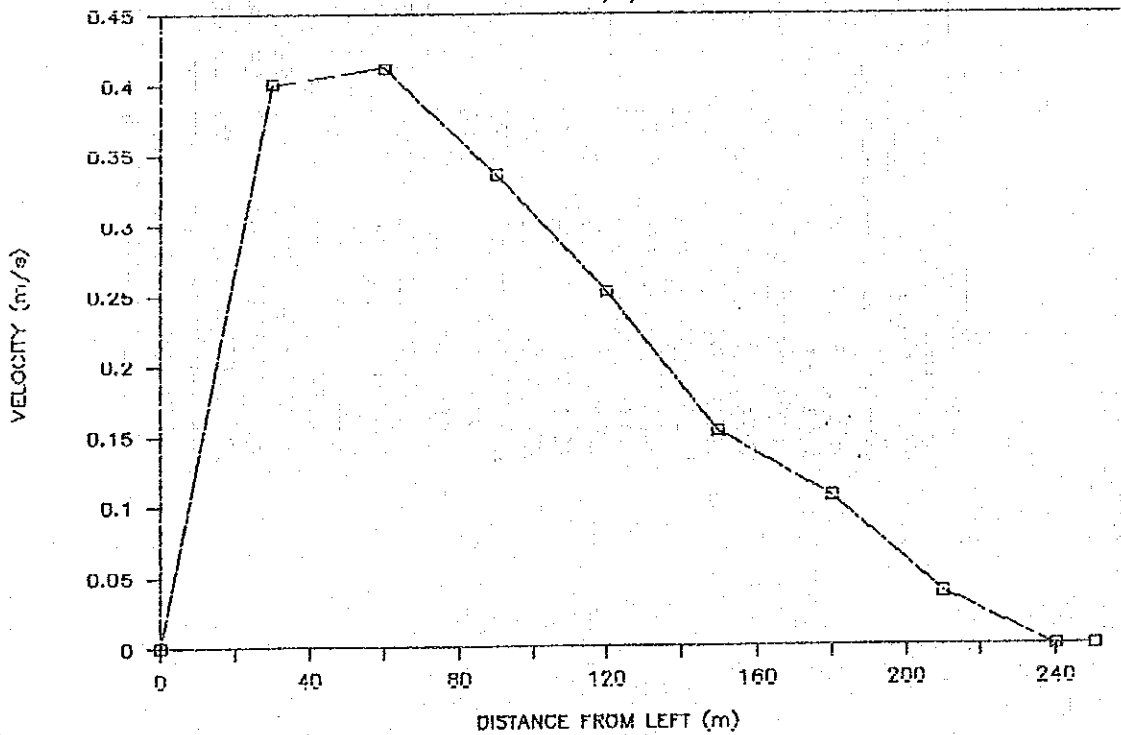
WATER DEPTH (2-030)

DEC./6/90



VELOCITY (2-030)

DEC./6/90



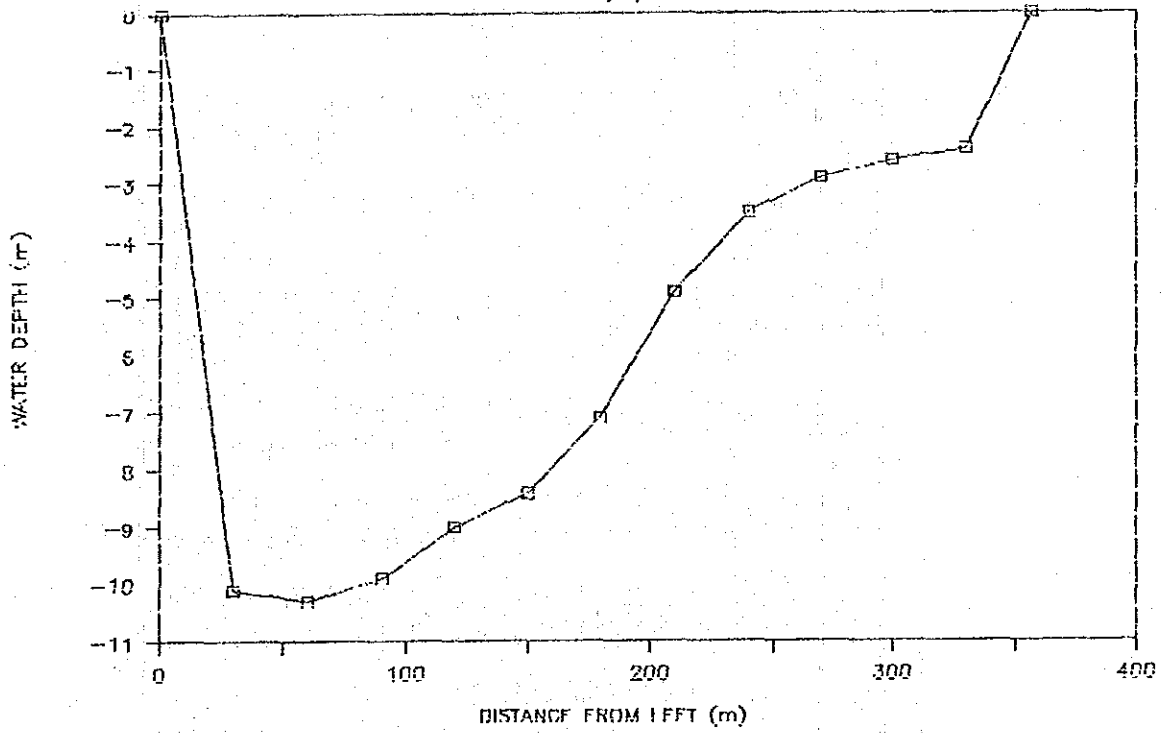
FLOW MEASUREMENT ST. : 2-080 HIKUJI FEB./5/'91

ITEMS	ND-1	ND-1	ND-2	ND-3	ND-4	ND-5	ND-6	ND-7	ND-8	ND-9	ND-10	ND-11	ND-R
WATER DEPTH (m)	0.00	10.10	10.30	9.90	9.00	8.40	7.10	4.90	3.50	2.90	2.60	2.40	0.00
SE/WIDTH (m)	0.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	26.70
TOTAL SE/WIDTH(m)	0.00	30.00	60.00	90.00	120.00	150.00	180.00	210.00	240.00	270.00	300.00	330.00	356.70
VELOCITY.2-1(f/s)	0.00	5.20	5.50	5.00	4.50	4.20	3.50	1.50	2.50	0.40	0.20	0.50	0.00
VELOCITY.2-2(f/s)	0.00	5.20	5.50	5.00	4.50	4.20	3.50	1.50	2.50	0.40	0.20	0.30	0.00
MEAN VEL.2 (f/s)	0.00	5.20	5.50	5.00	4.50	4.20	3.50	1.50	2.50	0.40	0.20	0.40	0.00
VELOCITY.8-1(f/s)	0.00	4.00	4.50	4.00	4.00	3.50	2.80	1.00	1.20	0.30	0.10	0.10	0.00
VELOCITY.8-2(f/s)	0.00	4.00	4.50	4.00	4.00	3.50	2.80	1.00	1.20	0.30	0.10	0.00	0.00
MEAN VEL.8 (f/s)	0.00	4.00	4.50	4.00	4.00	3.50	2.80	1.00	1.20	0.30	0.10	0.06	0.00
MEAN VEL (f/s)	0.000	4.600	5.000	4.500	4.250	3.850	3.150	1.250	1.850	0.350	0.150	0.225	0.000
MEAN VEL (m/s)	0.000	1.402	1.524	1.372	1.295	1.173	0.960	0.381	0.564	0.107	0.046	0.089	0.000
L/MEAN DEPTH (m)	0.000	5.060	10.250	10.000	9.225	8.550	7.425	5.450	3.850	3.050	2.675	2.450	-
L/MEAN WIDTH (m)	0.00	30.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SECT. AREA (m2)	0.00	151.50	153.75	150.00	138.38	128.25	111.38	81.75	57.75	45.75	40.13	36.75	-
R/MEAN DEPTH (m)	0.000	10.150	10.200	9.675	8.850	8.075	6.550	4.550	3.350	2.825	2.550	1.200	-
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
R/SECT. AREA (m2)	0.00	152.25	153.00	145.13	132.75	121.13	98.25	68.25	50.25	42.38	38.25	32.04	-
S/AREA (m2)	0.00	303.75	306.75	295.13	271.13	249.38	209.63	150.00	108.00	88.13	78.38	68.79	-
TOTAL AREA (m2)	0.0	303.8	610.5	905.6	1176.8	1426.1	1835.8	1785.8	1898.8	1981.9	2060.3	2129.0	-
S/DISCHARGE(m/s)	0.00	425.88	467.49	404.79	351.22	292.64	201.27	57.15	60.90	9.40	3.58	4.72	-
TOTAL DIS. (m3/s)	0.00	425.88	893.37	1298.16	1649.38	1942.01	2143.28	2200.43	2261.33	2270.73	2274.31	2279.03	-

WATER LEVEL (F) : 14.00 WATER LEVEL (m) : 4.27
 TOTAL DISCHARGE : 2279.03 MEAN VELOCITY(m/s) : 1.07

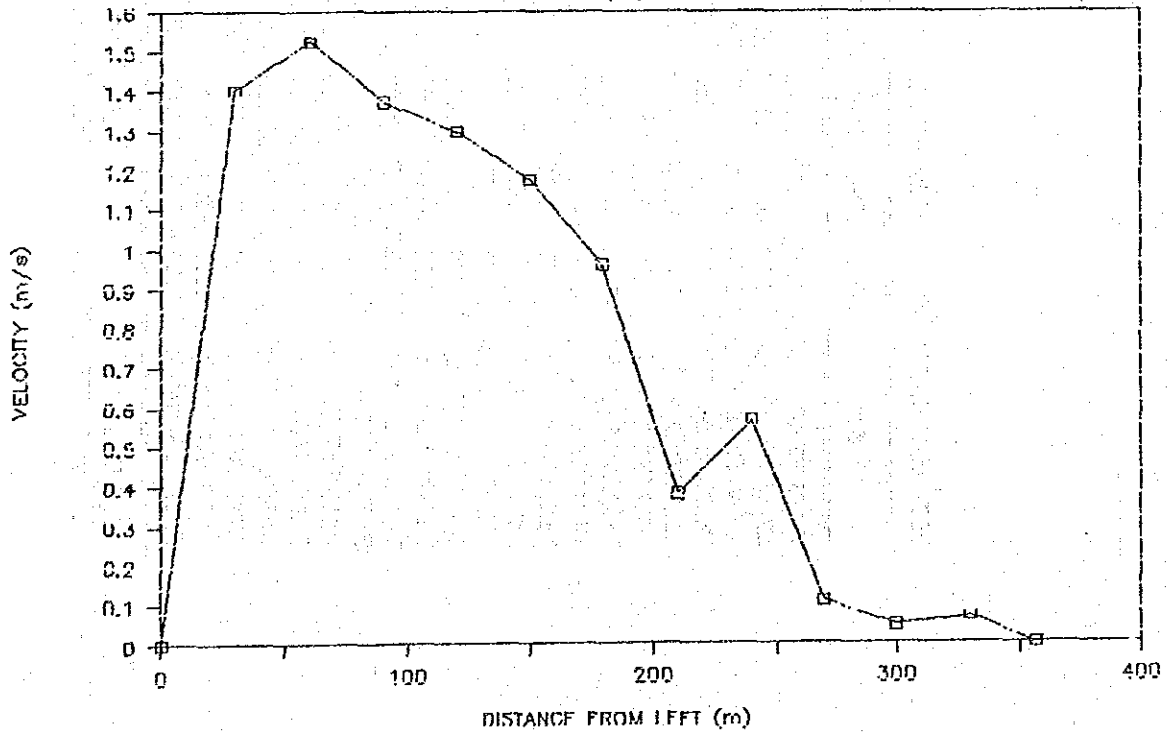
WATER DEPTH (2-030)

FEB./6/71



VELOCITY (2-030)

FEB./6/71

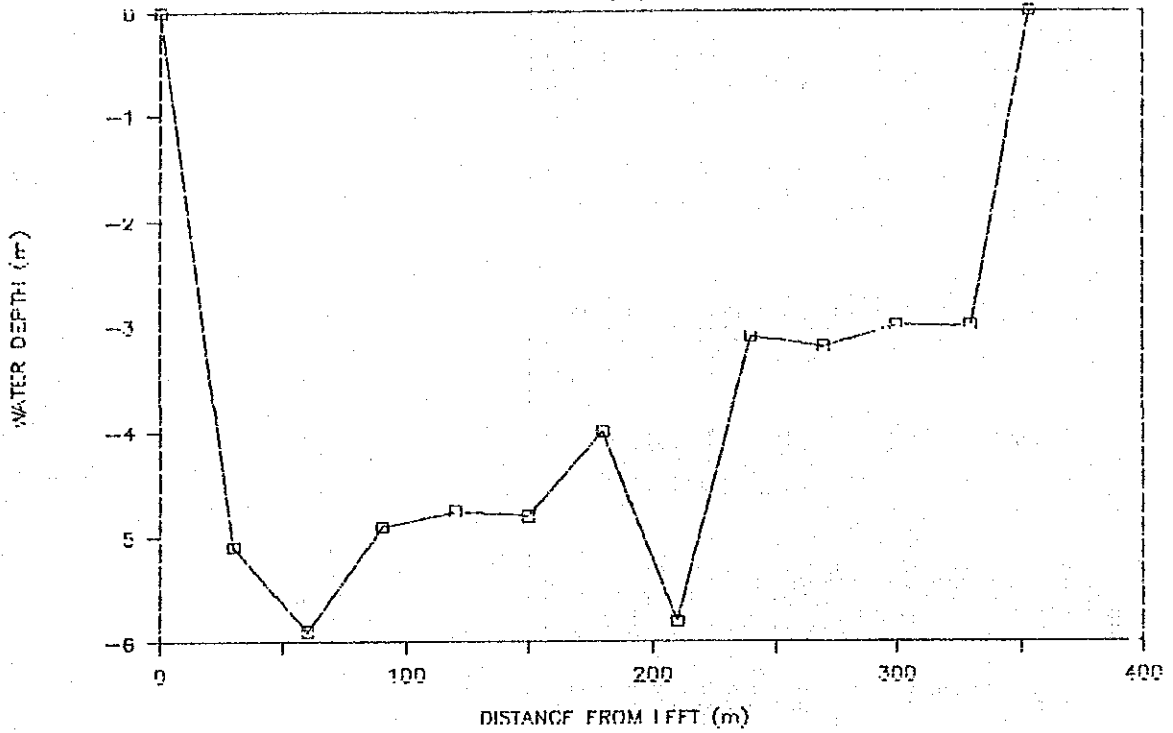


ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-11	NO-R
WATER DEPTH (m)	0.00	5.10	5.90	4.90	4.76	4.00	5.80	3.10	3.20	3.00	3.00	0.00
SE/WIDTH (m)	0.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	0.00
TOTAL SE/WIDTH(m)	0.00	30.00	60.00	90.00	120.00	150.00	210.00	240.00	270.00	300.00	330.00	23.00
VELOCITY 2-1(f/s)	0.00	4.80	5.00	4.80	4.70	3.50	2.20	2.30	0.70	0.30	0.20	0.00
VELOCITY 2-2(f/s)	0.00	4.80	5.00	4.80	4.70	3.50	2.20	2.30	0.70	0.30	0.20	0.00
MEAN VEL. 2 (f/s)	0.00	4.80	5.00	4.80	4.70	3.50	2.20	2.30	0.70	0.30	0.20	0.00
VELOCITY 8-1(f/s)	0.00	4.50	4.80	4.20	4.50	3.20	2.00	1.80	0.50	0.20	0.10	0.00
VELOCITY 8-2(f/s)	0.00	4.50	4.80	4.20	4.50	3.20	2.00	1.80	0.50	0.20	0.10	0.00
MEAN VEL. 8 (f/s)	0.00	4.50	4.80	4.20	4.50	3.20	2.00	1.80	0.50	0.20	0.10	0.00
MEAN VEL (f/s)	0.000	4.650	4.900	4.500	4.600	3.475	2.100	2.050	0.600	0.250	0.150	0.000
MEAN VEL (m/s)	0.000	1.417	1.494	1.372	1.402	1.059	0.640	0.625	0.183	0.076	0.046	0.000
L/MEAN DEPTH (m)	0.000	2.550	5.700	5.150	4.795	4.790	5.350	3.775	3.175	3.050	3.000	-
L/MEAN WIDTH (m)	0.00	30.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
L/SEC. AREA (m2)	0.00	76.50	85.50	77.25	71.93	71.85	80.25	56.63	47.63	45.75	45.00	-
R/MEAN DEPTH (m)	0.000	5.300	5.650	4.965	4.770	4.600	5.125	3.125	3.150	3.000	1.500	-
R/MEAN WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	-
R/SEC. AREA (m2)	0.00	79.50	84.75	72.98	71.55	69.00	76.88	46.88	47.25	45.00	34.50	-
S/AREA (m2)	0.00	156.00	170.25	150.23	140.48	140.85	157.10	103.50	94.88	90.75	79.50	-
TOTAL AREA (m2)	0.0	156.0	326.3	476.5	620.0	760.8	1047.7	1151.2	1246.1	1336.8	1416.3	-
S/DISCHARGE(m3/s)	0.00	221.10	284.27	206.05	201.16	149.19	100.57	64.67	17.35	6.92	3.63	-
TOTAL DIS. (m3/s)	0.00	221.10	475.37	681.42	882.59	1031.77	1264.83	1029.50	1346.65	1353.77	1357.40	-

WATER LEVEL (f) : 14.95 WATER LEVEL (m) : 4.56
 TOTAL DISCHARGE : 1357.40 MEAN VELOCITY(m/s) : 0.96

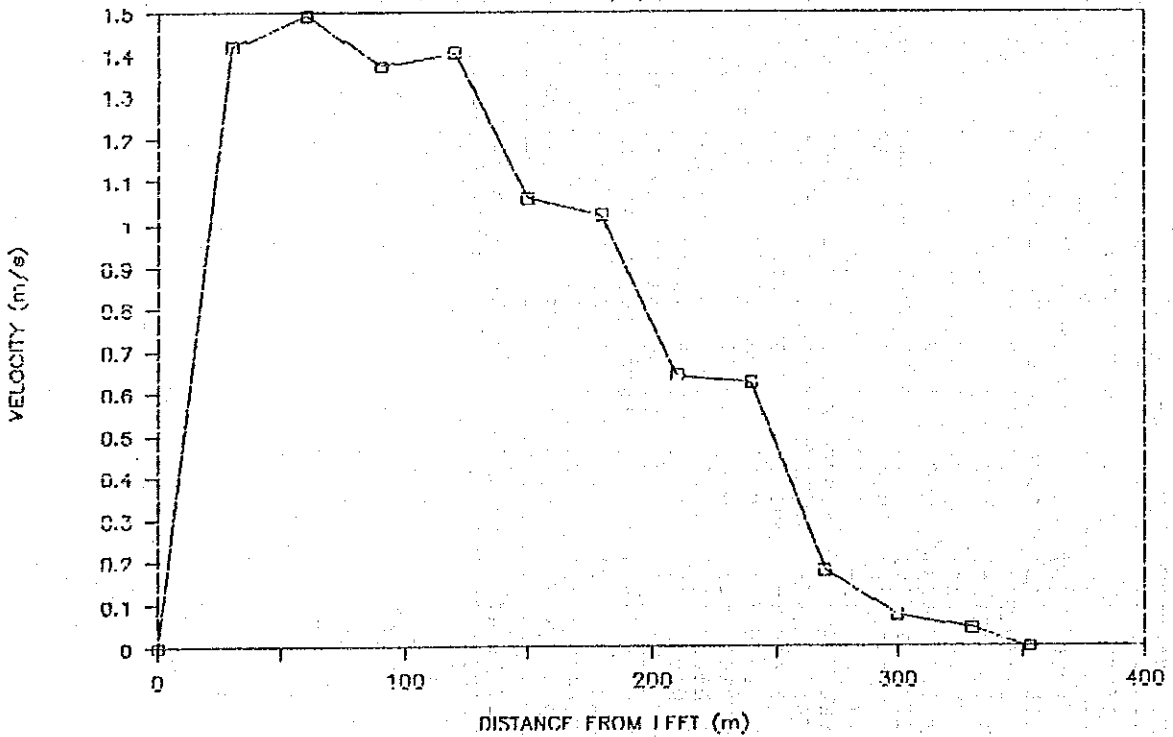
WATER DEPTH (2-030)

MAK./U/'91



VELOCITY (2-030)

MAK./U/'91



FLOW MEASUREMENT ST. : 2-030 LUKULU

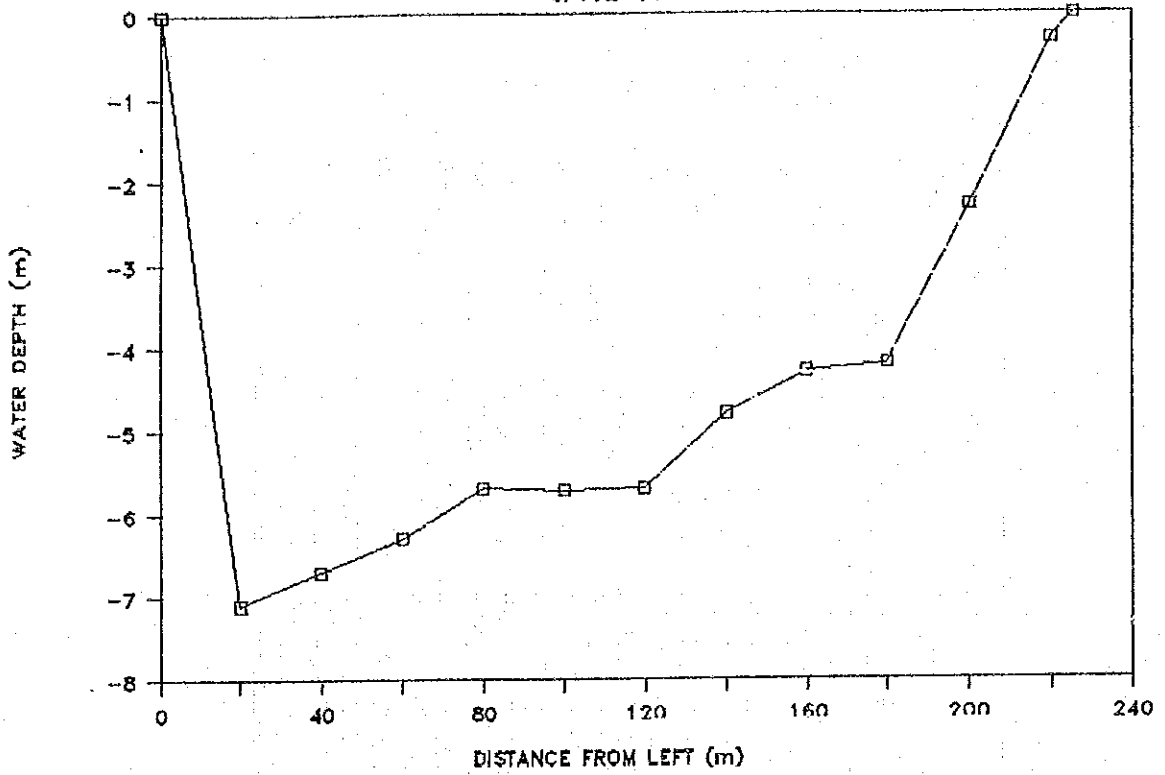
JUL/5/'91

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-11	NO-R
WATER DEPTH (m)	0.00	7.10	6.70	6.30	5.70	5.72	5.70	4.80	4.30	4.20	2.30	0.30	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	5.50
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	225.50
VELOCITY.2-1(f/s)	0.00	1.35	1.30	1.10	1.30	1.30	1.30	1.10	0.40	0.60	0.50	0.00	0.00
VELOCITY.2-2(f/s)	0.00	1.30	1.30	1.00	1.30	1.30	1.25	1.10	0.50	0.60	0.50	0.00	0.00
MEAN VEL.2 (f/s)	0.00	1.33	1.30	1.05	1.30	1.30	1.28	1.10	0.45	0.60	0.50	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.70	0.70	0.70	0.75	1.00	0.60	0.90	0.60	0.20	0.35	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.65	0.65	0.80	0.80	1.10	0.70	0.95	0.70	0.30	0.35	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.68	0.68	0.75	0.78	1.05	0.65	0.93	0.65	0.25	0.35	0.00	0.00
MEAN VEL (f/s)	0.000	1.000	0.988	0.900	1.038	1.175	0.963	1.013	0.550	0.425	0.425	0.000	0.000
MEAN VEL (m/s)	0.000	0.305	0.301	0.274	0.316	0.358	0.293	0.309	0.168	0.130	0.130	0.000	0.000
L/MEAN DEPTH (m)	0.000	3.550	6.800	6.400	5.850	5.715	5.705	5.025	4.425	4.225	2.775	0.800	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	71.00	68.00	64.00	58.50	57.15	57.05	50.25	44.25	42.25	27.75	8.00	-
R/MEAN DEPTH (m)	0.000	7.000	6.600	6.150	5.705	5.715	5.475	4.675	4.275	3.725	1.800	0.150	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	5.50	-
R/SEC. AREA (m2)	0.00	70.00	66.00	61.50	57.05	57.15	54.75	46.75	42.75	37.25	18.00	0.83	-
S/AREA (m2)	0.00	141.00	134.00	125.50	115.55	114.30	111.80	97.00	87.00	79.50	45.75	8.83	-
TOTAL AREA (m2)	0.0	141.0	275.0	400.5	516.1	630.4	742.2	839.2	926.2	1005.7	1051.4	1060.2	-
S/DISCHARGE(m3/s)	0.00	42.98	40.33	34.43	36.54	40.94	32.80	29.94	14.53	10.30	5.93	0.00	-
TOTAL DIS. (m3/s)	0.00	42.98	83.31	117.74	154.28	195.21	228.01	257.95	272.53	282.83	288.76	288.76	-

WATER LEVEL (f) : 3.17 WATER LEVEL (m) : 0.97
 TOTAL DISCHARGE : 288.76 MEAN VELOCITY(m/s) : 0.27

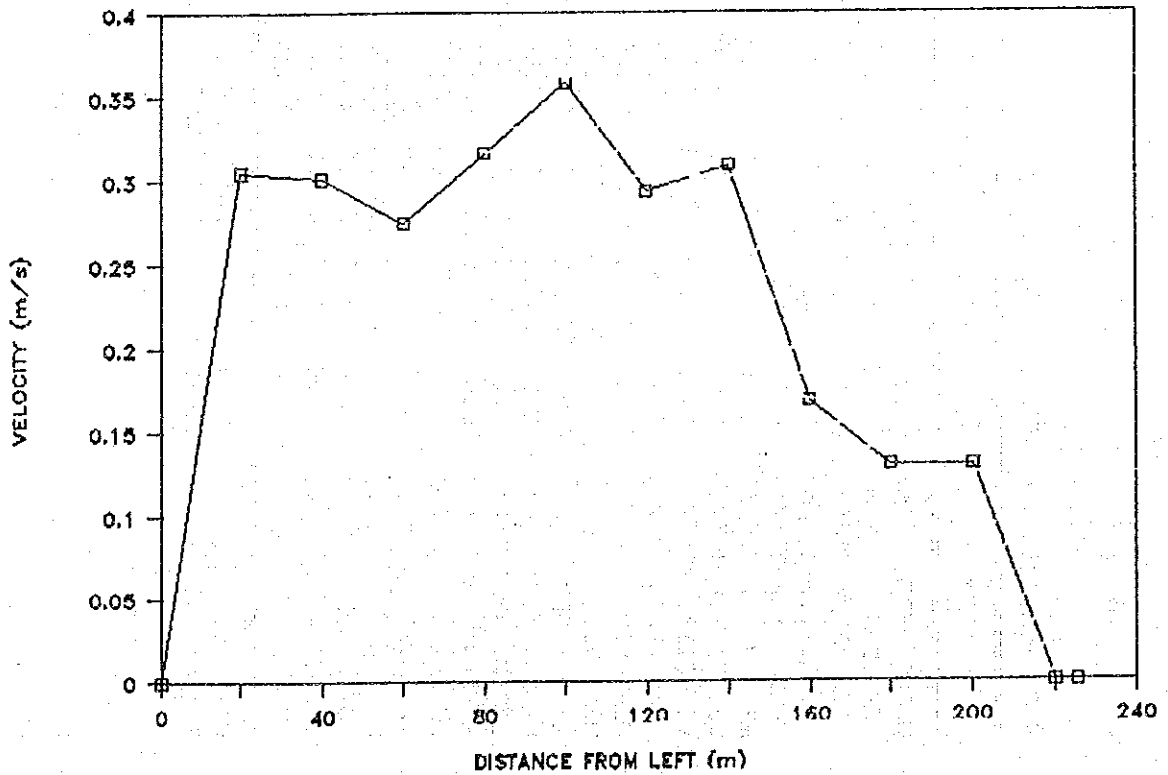
WATER DEPTH (2-030)

5/JUL/'91



VELOCITY (2-030)

5/JUL/'91



17/AUG./1991

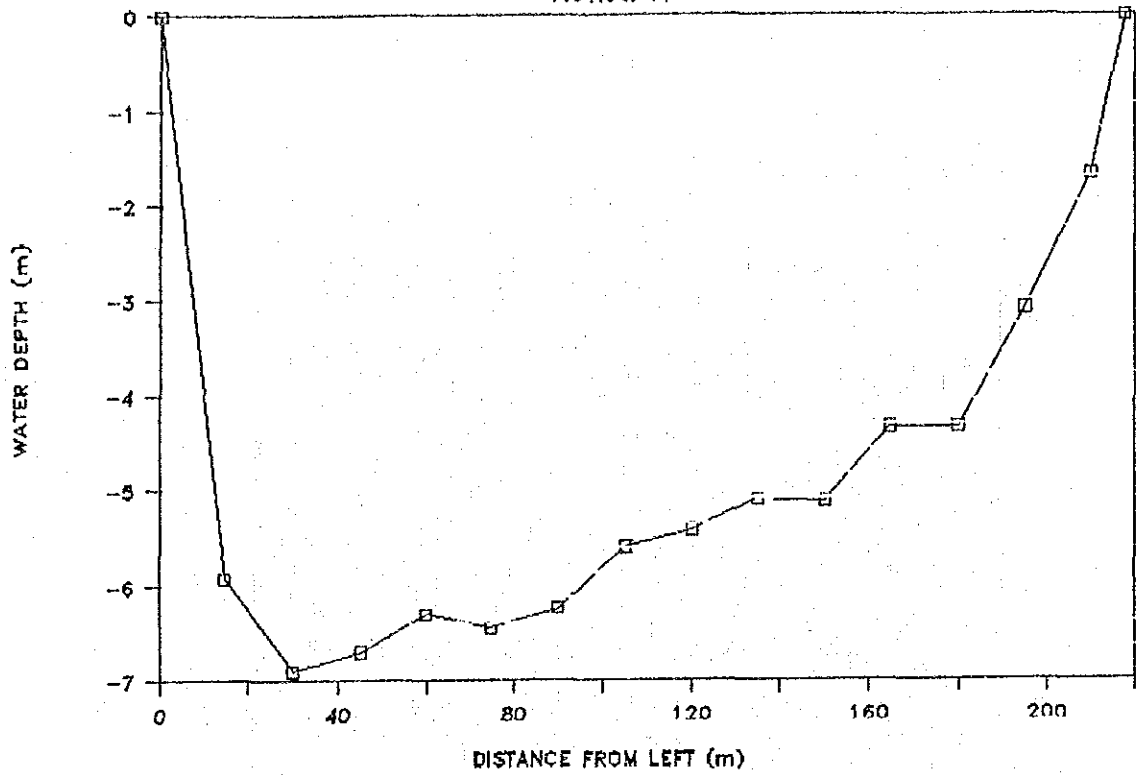
FLOW MEASUREMENT ST. : 2-030 LUKULU

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-11	NO-12	NO-13	NO-14	NO-R
WATER DEPTH (m)	0.00	5.93	6.90	6.70	6.30	6.45	6.24	5.60	5.42	5.10	5.12	4.35	4.34	3.10	1.67	0.00
SE/WIDTH (m)	0.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	8.00
TOTAL SE/WIDTH(m)	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00	135.00	150.00	165.00	180.00	195.00	210.00	218.00
VELOCITY.2-1(f/s)	0.00	0.40	0.90	0.70	1.00	1.00	1.00	1.10	0.70	0.50	0.40	0.40	0.30	0.15	0.15	0.00
VELOCITY.2-2(f/s)	0.00	0.45	0.90	0.70	1.00	1.00	1.00	1.10	0.70	0.50	0.40	0.40	0.30	0.15	0.15	0.00
MEAN VEL.2 (f/s)	0.00	0.43	0.90	0.70	1.00	1.00	1.00	1.10	0.70	0.50	0.40	0.40	0.30	0.15	0.15	0.00
VELOCITY.8-1(f/s)	0.00	0.20	0.40	0.30	0.50	0.30	0.50	0.60	0.70	0.40	0.30	0.30	0.20	0.10	0.10	0.00
VELOCITY.8-2(f/s)	0.00	0.25	0.40	0.30	0.50	0.30	0.50	0.60	0.70	0.40	0.30	0.30	0.20	0.10	0.10	0.00
MEAN VEL.8 (f/s)	0.00	0.23	0.40	0.30	0.50	0.30	0.50	0.60	0.70	0.40	0.30	0.30	0.20	0.10	0.10	0.00
MEAN VEL (f/s)	0.000	0.325	0.650	0.500	0.750	0.650	0.750	0.850	0.700	0.450	0.350	0.350	0.250	0.125	0.125	0.000
MEAN VEL (m/s)	0.000	0.099	0.198	0.152	0.229	0.198	0.229	0.259	0.213	0.137	0.107	0.107	0.076	0.038	0.038	0.000
L/MEAN DEPTH (m)	0.000	2.965	6.658	6.750	6.400	6.413	6.293	5.760	5.465	5.180	5.115	4.543	4.343	3.410	2.028	-
L/MEAN WIDTH (m)	0.00	15.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	-
L/SEC. AREA (m2)	0.00	44.48	49.93	50.63	48.00	48.09	47.19	43.20	40.99	38.85	38.36	34.07	32.57	25.58	15.21	-
R/MEAN DEPTH (m)	0.000	6.173	6.850	6.600	6.388	6.398	6.080	5.555	5.340	5.105	4.928	4.348	4.030	2.743	0.835	-
R/MEAN WIDTH (m)	0.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	8.00	-
R/SEC. AREA (m2)	0.00	46.29	51.38	49.50	47.53	47.98	45.60	41.66	40.05	38.29	36.96	32.61	30.23	20.57	6.68	-
S/AREA (m2)	0.00	90.77	101.31	100.13	95.53	96.08	92.79	84.86	81.04	77.14	75.32	66.68	62.79	46.14	21.89	-
TOTAL AREA (m2)	0.0	90.8	192.1	292.2	387.7	483.8	576.6	661.5	742.5	819.6	895.0	961.6	1024.4	1070.6	1092.5	-
S/DISCHARGE(ms/s)	0.00	8.99	20.07	15.26	21.84	19.03	21.21	21.99	17.29	10.58	8.04	7.11	4.78	1.76	0.83	-
TOTAL DIS. (m2/s)	0.00	8.99	29.06	44.32	66.16	85.19	106.41	128.39	145.68	156.26	164.30	171.41	176.20	177.95	178.79	-

WATER LEVEL (f) : 2.24 WATER LEVEL (m) : 0.68
 TOTAL DISCHARGE : 178.79 MEAN VELOCITY(m/s) : 0.16

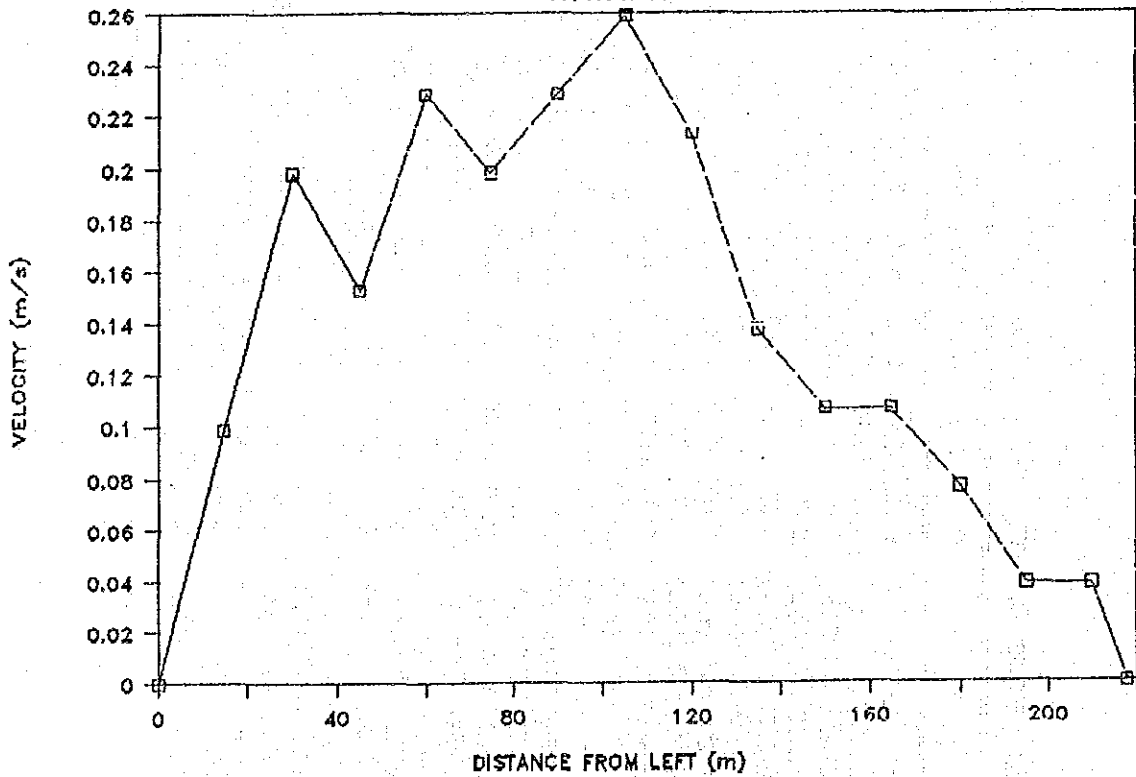
WATER DEPTH (2-030)

17/AUG/91



VELOCITY (2-030)

17/AUG/91

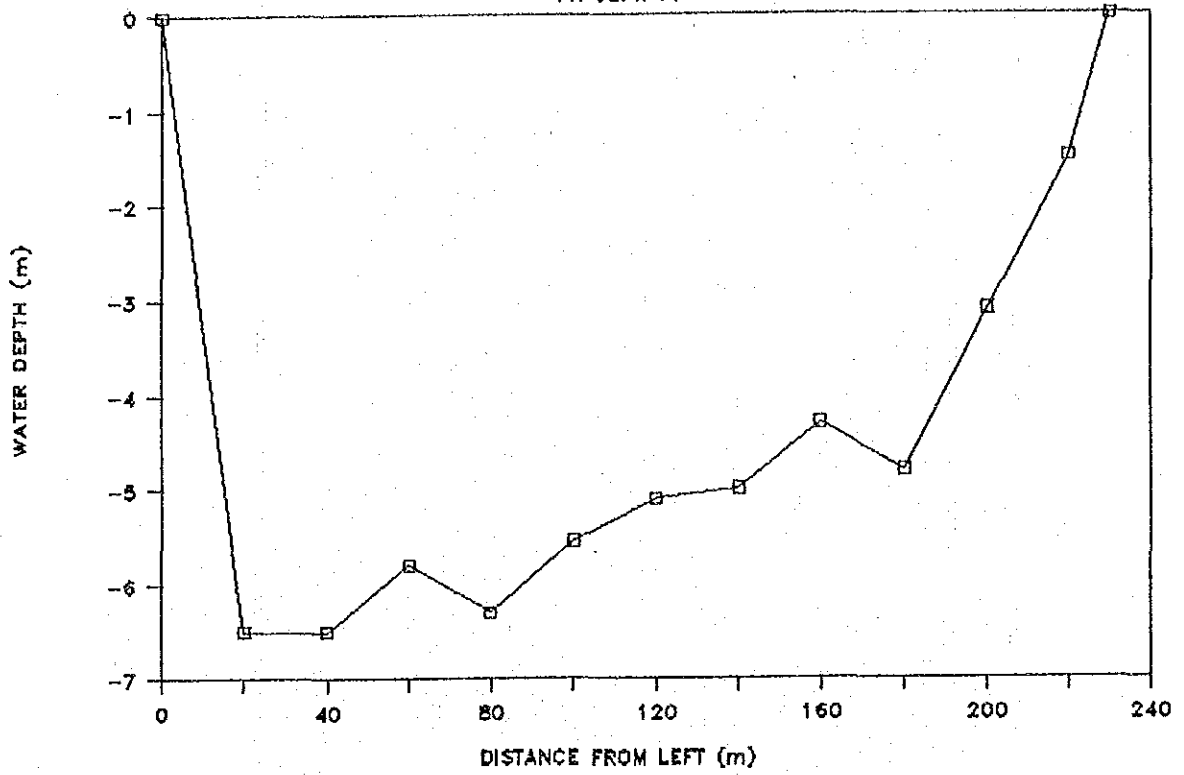


ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-11	NO-R
WATER DEPTH (m)	0.00	6.50	5.80	6.30	5.55	5.10	5.00	4.30	4.80	3.10	1.50	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	10.00
TOTAL SE/WIDTH(m)	0.00	20.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	230.00
VELOCITY.2-1(f/s)	0.00	0.60	0.90	1.10	0.80	0.90	0.80	0.60	0.30	0.10	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.60	0.90	1.10	0.80	0.90	0.80	0.60	0.30	0.10	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.60	0.90	1.10	0.80	0.90	0.80	0.60	0.30	0.10	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.20	0.80	0.60	0.60	0.70	0.60	0.20	0.10	0.00	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.20	0.80	0.60	0.60	0.70	0.60	0.20	0.10	0.00	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.20	0.80	0.60	0.60	0.70	0.60	0.20	0.10	0.00	0.00	0.00
MEAN VEL (f/s)	0.000	0.400	0.850	0.850	0.700	0.800	0.700	0.400	0.200	0.050	0.000	0.000
MEAN VEL (m/s)	0.000	0.122	0.259	0.259	0.213	0.244	0.213	0.122	0.061	0.015	0.000	0.000
L/MEAN DEPTH (m)	0.000	3.250	6.500	6.175	5.738	5.213	5.025	4.475	4.675	3.525	1.900	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	65.00	65.00	61.75	57.38	52.13	50.25	44.75	46.75	35.25	19.00	-
R/MEAN DEPTH (m)	0.000	6.500	6.325	6.113	5.438	5.075	4.825	4.425	4.375	2.700	0.750	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	-
R/SEC. AREA (m2)	0.00	65.00	63.25	61.13	54.38	50.75	48.25	44.25	43.75	27.00	7.50	-
S/AREA (m2)	0.00	130.00	128.25	119.00	122.88	111.75	102.88	98.50	90.50	62.25	26.50	-
TOTAL AREA (m2)	0.0	130.0	258.3	377.3	500.1	611.9	813.3	902.3	992.8	1055.0	1081.5	-
S/DISCHARGE(m3/s)	0.00	15.85	33.23	30.83	31.83	23.84	21.02	10.85	5.52	0.95	0.00	-
TOTAL DIS. (m3/s)	0.00	15.85	49.08	79.91	111.74	135.58	181.69	192.54	198.05	199.00	199.00	-

WATER LEVEL (f) : 1.82 WATER LEVEL (m) : 0.55
 TOTAL DISCHARGE : 199.00 MEAN VELOCITY(m/s) : 0.18

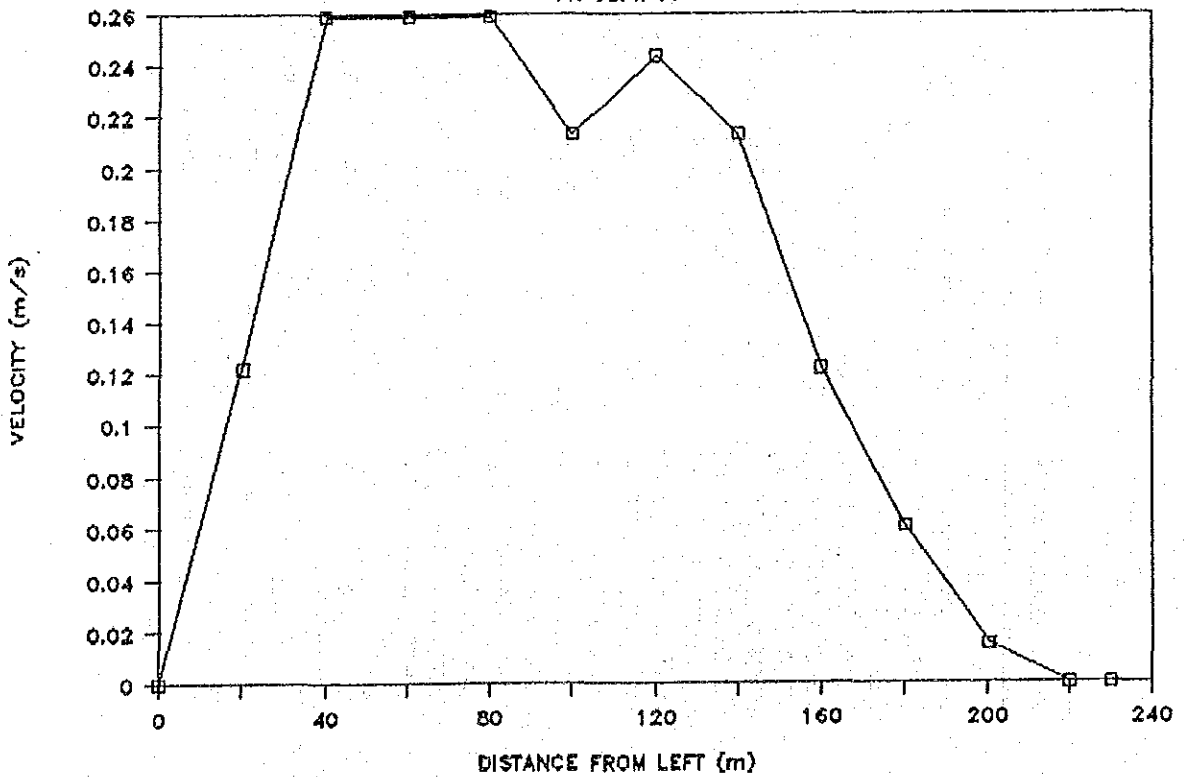
WATER DEPTH (2-030)

11/SEP./91



VELOCITY (2-030)

11/SEP./91



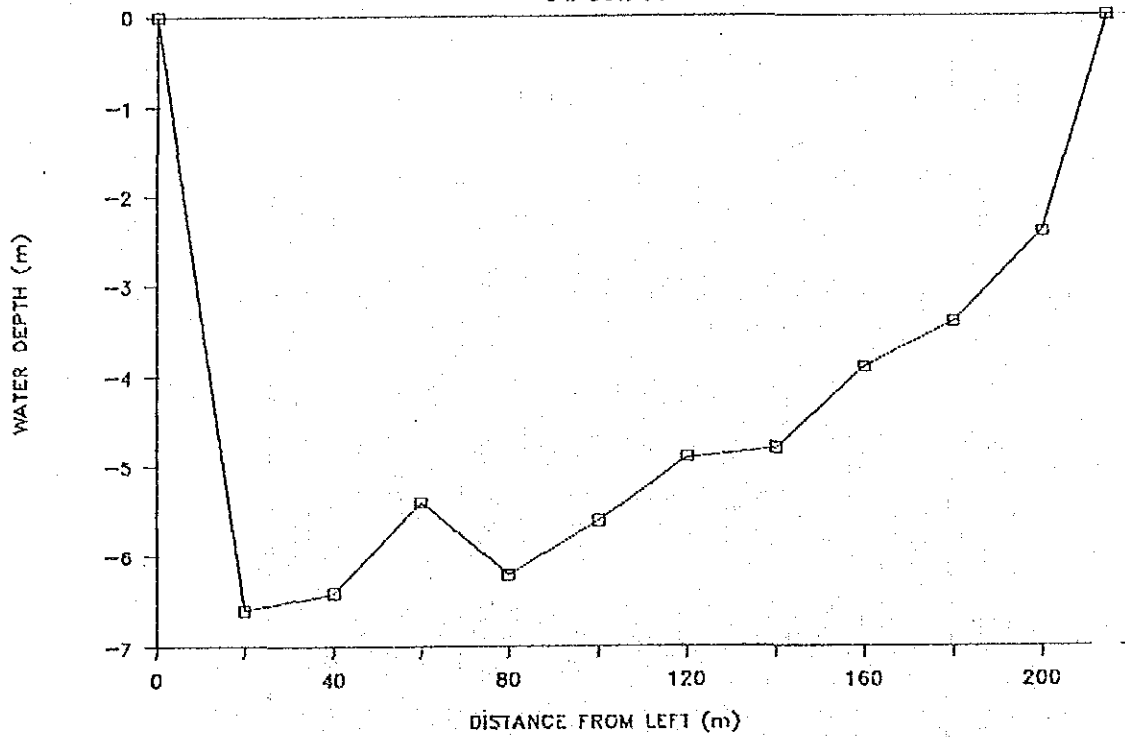
FLOW MEASUREMENT ST. : 2-030 LUKULU 04/OCT/91

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	6.60	6.40	5.40	6.20	5.60	4.90	4.80	3.90	3.40	2.40	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	14.80
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	214.80
VELOCITY.2-1(f/s)	0.00	0.95	1.25	1.35	1.35	0.90	1.00	0.80	0.70	0.60	0.15	0.00
VELOCITY.2-2(f/s)	0.00	0.95	1.25	1.35	1.35	0.90	1.00	0.80	0.70	0.60	0.15	0.00
MEAN VEL.2 (f/s)	0.00	0.95	1.25	1.35	1.35	0.90	1.00	0.80	0.70	0.60	0.15	0.00
VELOCITY.8-1(f/s)	0.00	0.75	0.75	0.80	1.00	0.70	0.65	0.50	0.50	0.30	0.05	0.00
VELOCITY.8-2(f/s)	0.00	0.75	0.75	0.80	1.00	0.70	0.65	0.60	0.50	0.30	0.05	0.00
MEAN VEL.8 (f/s)	0.00	0.75	0.75	0.80	1.00	0.70	0.65	0.55	0.50	0.30	0.05	0.00
MEAN VEL (f/s)	0.000	0.850	1.000	1.075	1.175	0.800	0.825	0.675	0.600	0.450	0.100	0.000
MEAN VEL (m/s)	0.000	0.259	0.305	0.328	0.358	0.244	0.251	0.206	0.183	0.137	0.030	0.000
L/MEAN DEPTH (m)	0.000	3.300	6.450	5.650	6.000	5.750	5.075	4.825	4.125	3.525	2.650	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	66.00	64.50	56.50	60.00	57.50	50.75	48.25	41.25	35.25	26.50	-
R/MEAN DEPTH (m)	0.000	6.550	6.150	5.600	6.050	5.425	4.875	4.575	3.775	3.150	1.200	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	14.80	-
R/SEC. AREA (m2)	0.00	65.50	61.50	56.00	60.50	54.25	48.75	45.75	37.75	31.50	17.76	-
S/AREA (m2)	0.00	131.50	126.00	112.50	120.50	111.75	99.50	94.00	79.00	66.75	44.26	-
TOTAL AREA (m2)	0.0	131.5	257.5	370.0	490.5	602.3	701.8	795.8	874.8	941.5	985.8	-
S/DISCHARGE(m3/s)	0.00	34.07	38.40	36.86	43.16	27.25	25.02	19.34	14.45	9.16	1.35	-
TOTAL DIS. (m3/s)	0.00	34.07	72.47	109.34	152.49	179.74	204.76	224.10	238.55	247.70	249.05	-

WATER LEVEL (f) : 1.90 WATER LEVEL (m) : 0.58
 TOTAL DISCHARGE : 249.05 MEAN VELOCITY(m/s) : 0.25

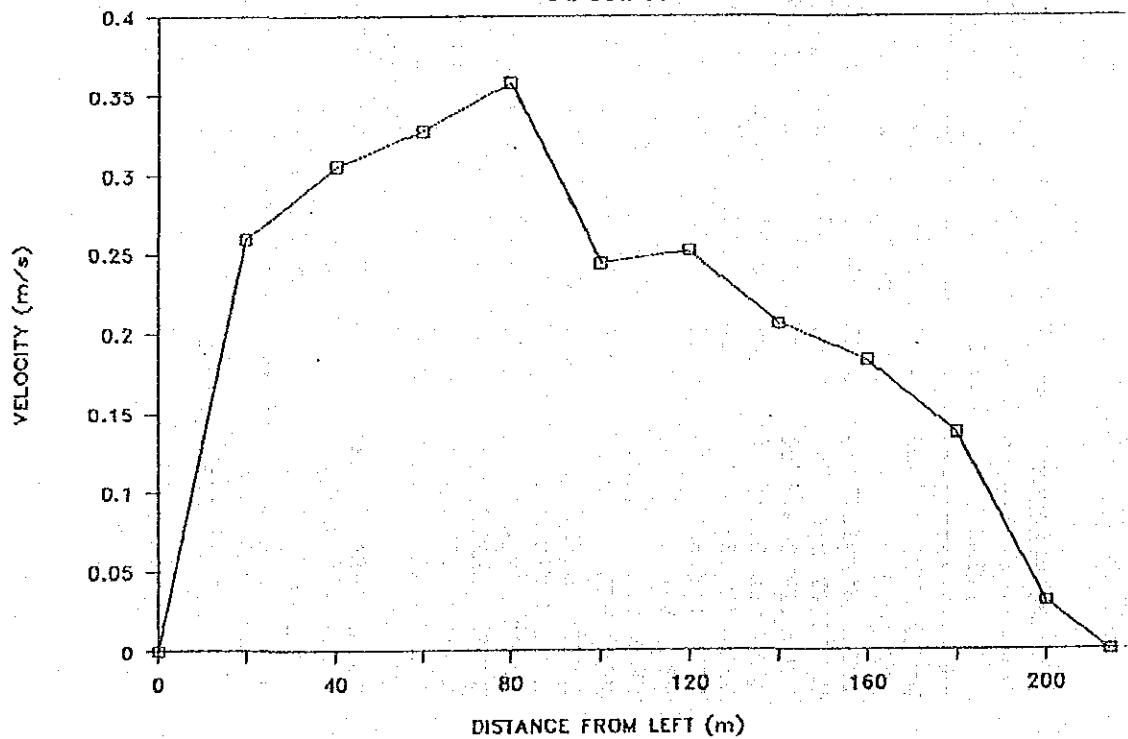
WATER DEPTH (2-030)

04/OCT/91



VELOCITY (2-030)

04/OCT/91



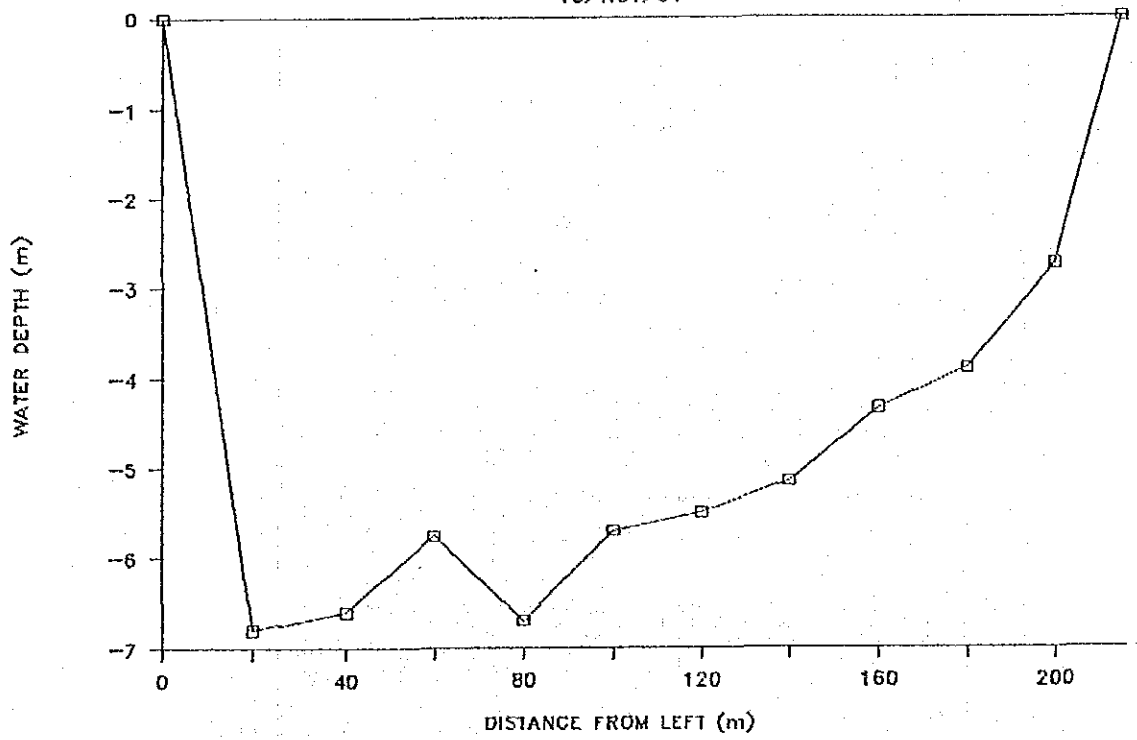
FLOW MEASUREMENT ST. : 2-030 LUKULU 12/NOV/91

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	6.80	6.60	5.75	6.70	5.70	5.50	5.15	4.34	3.90	2.75	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	15.20
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	215.20
VELOCITY.2-1(f/s)	0.00	1.00	1.50	1.50	1.50	1.00	1.00	0.90	0.80	0.60	0.30	0.00
VELOCITY.2-2(f/s)	0.00	1.00	1.50	1.50	1.50	1.00	1.00	0.90	0.80	0.60	0.30	0.00
MEAN VEL.2 (f/s)	0.00	1.00	1.50	1.50	1.50	1.00	1.00	0.90	0.80	0.60	0.30	0.00
VELOCITY.8-1(f/s)	0.00	0.80	0.80	1.10	0.90	0.80	0.90	0.70	0.60	0.40	0.10	0.00
VELOCITY.8-2(f/s)	0.00	0.80	0.80	1.10	0.90	0.80	0.90	0.70	0.60	0.40	0.10	0.00
MEAN VEL.8 (f/s)	0.00	0.80	0.80	1.10	0.90	0.80	0.90	0.70	0.60	0.40	0.10	0.00
MEAN VEL (f/s)	0.000	0.900	1.150	1.300	1.200	0.900	0.950	0.800	0.700	0.500	0.200	0.000
MEAN VEL (m/s)	0.000	0.274	0.351	0.396	0.366	0.274	0.290	0.244	0.213	0.152	0.061	0.000
L/MEAN DEPTH (m)	0.000	3.400	6.650	5.963	6.463	5.950	5.550	5.238	4.543	4.010	3.038	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	68.00	66.50	59.63	64.63	59.50	55.50	52.38	45.43	40.10	30.38	-
R/MEAN DEPTH (m)	0.000	6.750	6.388	5.988	6.450	5.650	5.413	4.948	4.230	3.613	1.375	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	15.20	-
R/SEC. AREA (m2)	0.00	67.50	63.88	59.88	64.50	56.50	54.13	49.48	42.30	36.13	20.90	-
S/AREA (m2)	0.00	135.50	130.38	119.50	129.13	116.00	109.63	101.85	87.73	76.23	51.28	-
TOTAL AREA (m2)	0.0	135.5	265.9	385.4	514.5	630.5	740.1	842.0	929.7	1005.9	1057.2	-
S/DISCHARGE(m3/s)	0.00	37.17	45.70	47.35	47.23	31.82	31.74	24.84	18.72	11.62	3.13	-
TOTAL DIS. (m3/s)	0.00	37.17	82.87	130.22	177.45	209.27	241.01	265.85	284.57	296.18	299.31	-

WATER LEVEL (f) : 2.13 WATER LEVEL (m) : 0.65
 TOTAL DISCHARGE : 299.31 MEAN VELOCITY(m/s) : 0.28

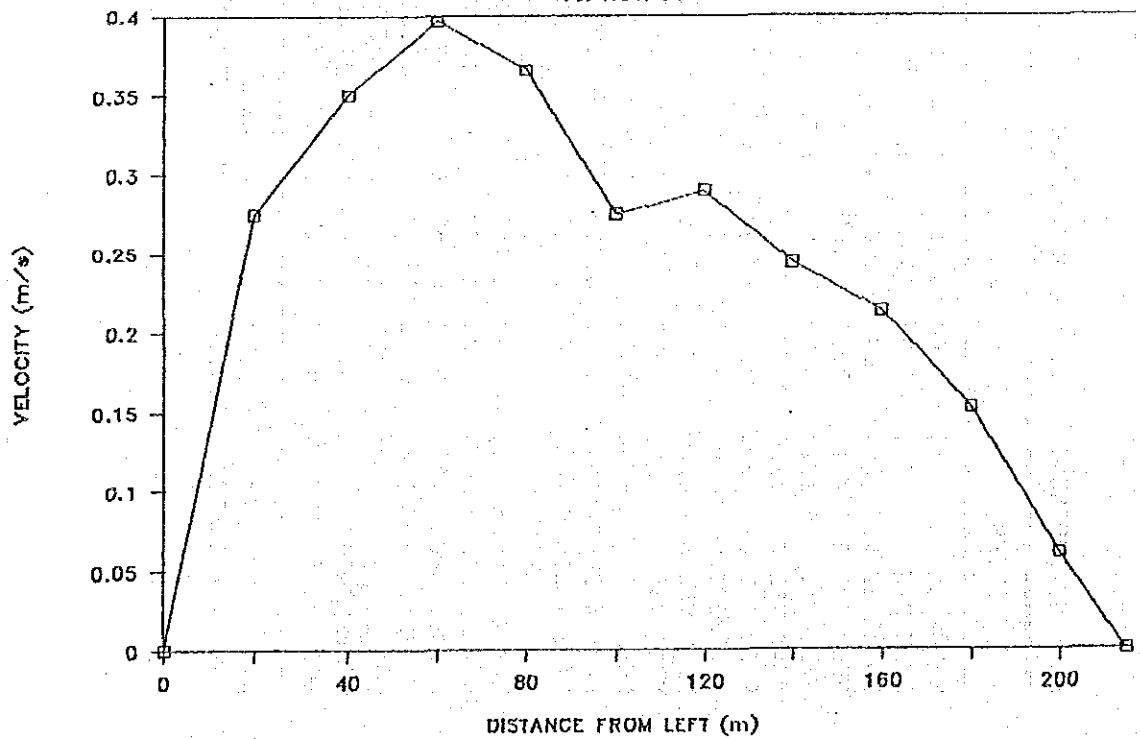
WATER DEPTH (2-030)

15/NOV/91



VELOCITY (2-030)

15/NOV/91



LIST OF FLOW MEASUREMENT

ST.: 2-250 KALABO

NO.	DATE	----[Feet - Second]----				++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
1	12-Apr-61	11.60	6528	9379	0.70	3.54	185	871	0.21
2	26-Apr-61	11.40	5919	9516	0.62	3.47	168	884	0.19
3	09-May-61	10.80	5705	9109	0.63	3.29	162	846	0.19
4	25-May-61	10.10	4597	8779	0.52	3.08	130	816	0.16
5	13-Jun-61	9.11	3633	8169	0.44	2.78	103	759	0.13
6	25-Aug-61	4.17	1294	5298	0.24	1.27	37	492	0.07
7	14-Sep-61	3.16	1033	5080	0.20	0.96	29	472	0.06
8	15-Oct-61	2.10	130	4653	0.03	0.64	4	432	0.01
9	17-Oct-61	2.05	486	267	1.82	0.62	14	25	0.55
10	05-Nov-61	1.70	387	268	1.44	0.52	11	25	0.44
11	17-Nov-61	1.80	385	271	1.42	0.55	11	25	0.43
12	30-Nov-61	1.79	444	298	1.49	0.55	13	28	0.45
13	06-Jan-62	2.38	516	339	1.52	0.73	15	31	0.46
14	18-Jan-62	3.48	804	504	1.59	1.06	23	47	0.48
15	06-Feb-62	6.48	1140	6645	0.33	1.98	32	617	0.10
16	01-Mar-62	13.90	21660	10863	1.99	4.24	613	1009	0.61
17	12-Mar-62	12.55	11600	12350	1.07	3.83	328	1147	0.33
18	29-Mar-62	12.55	10123	10569	0.96	3.83	287	982	0.29
19	12-Apr-62	12.23	7886	10053	0.78	3.73	223	934	0.24
20	25-Apr-62	11.70	6221	9935	0.63	3.57	176	923	0.19
21	09-May-62	10.95	4674	9308	0.50	3.34	132	865	0.15
22	23-May-62	10.14	4110	8807	0.47	3.09	116	818	0.14
23	04-Jun-62	9.48	3248	8279	0.39	2.89	92	769	0.12
24	23-Jun-62	8.35	3017	8220	0.37	2.55	85	764	0.11
25	29-Jun-62	7.90	1651	7468	0.22	2.41	47	694	0.07
26	12-Jul-62	7.18	2043	7133	0.28	2.19	58	663	0.09
27	18-Jul-62	6.69	1228	6742	0.18	2.04	35	626	0.05
28	25-Jul-62	6.18	1359	6527	0.21	1.88	38	606	0.06
29	07-Aug-62	5.28	970	5903	0.16	1.61	27	548	0.05
30	21-Aug-62	4.35	894	527	1.70	1.33	25	49	0.52
31	21-Sep-62	3.00	726	403	1.78	0.91	21	37	0.54
32	09-Oct-62	2.39	551	333	1.66	0.73	16	31	0.51
33	24-Jan-63	12.70	11607	10139	1.20	3.87	329	942	0.37
34	12-Feb-63	13.07	12664	10451	1.21	3.98	359	971	0.37
35	12-Mar-63	15.35	29653	11760	2.52	4.68	840	1093	0.77
36	29-May-63	9.35	3315	7661	0.43	2.85	94	712	0.13
37	17-Dec-63	6.50	2826	6569	0.31	1.98	80	610	0.09
38	28-Jan-64	8.35	3156	7579	0.42	2.55	89	704	0.13
39	12-Mar-64	10.38	4145	8509	0.49	3.16	117	791	0.15
40	24-Mar-64	9.60	3742	8101	0.46	2.93	106	753	0.14
41	29-Dec-64	1.80	471	4523	0.10	0.55	13	420	0.03
42	26-Mar-65	9.20	3471	8027	0.43	2.80	98	746	0.13
43	05-May-65	8.65	2493	6996	0.36	2.64	71	650	0.11
44	18-Sep-76	2.79	1023	2922	0.35	0.85	29	271	0.11
45	27-Jun-85	7.64	3991	1828	2.18	2.33	113	170	0.66
46	02-Mar-90	6.10	1012	4323	0.23	1.86	29	402	0.07
47	14-Jun-90	6.00	1026	4782	0.23	1.83	29	444	0.07
48	27-Jul-90	4.10	545	4152	0.13	1.25	15	386	0.04
49	28-Aug-90	2.99	512	3899	0.13	0.91	14	362	0.04
50	30-Sep-90	2.20	416	3173	0.13	0.67	12	295	0.04

LIST OF FLOW MEASUREMENT

ST.: 2-250 KALABO

NO.	DATE	----[Feet - Second]----				++++[Meter - Second]++++			
		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
51	29-Oct-90	1.57	599	3651	0.16	0.48	17	339	0.05
52	10-Dec-90	1.21	424	3229	0.13	0.37	12	300	0.04
53	20-Jan-91	1.80	246	3746	0.07	0.55	7	348	0.02
54	04-Jul-91	4.63	620	4725	0.13	1.41	18	439	0.04
55	21-Aug-91	3.02	551	4201	0.13	0.92	16	390	0.04
56	09-Sep-91	2.46	470	3579	0.13	0.75	13	333	0.04
57	02-Oct-91	1.77	224	3407	0.07	0.54	6	317	0.02

[Note] H:Water Level, Q:Discharge, A:Discharge Area, V:Velocity

MAR/ 2/90

KALABO

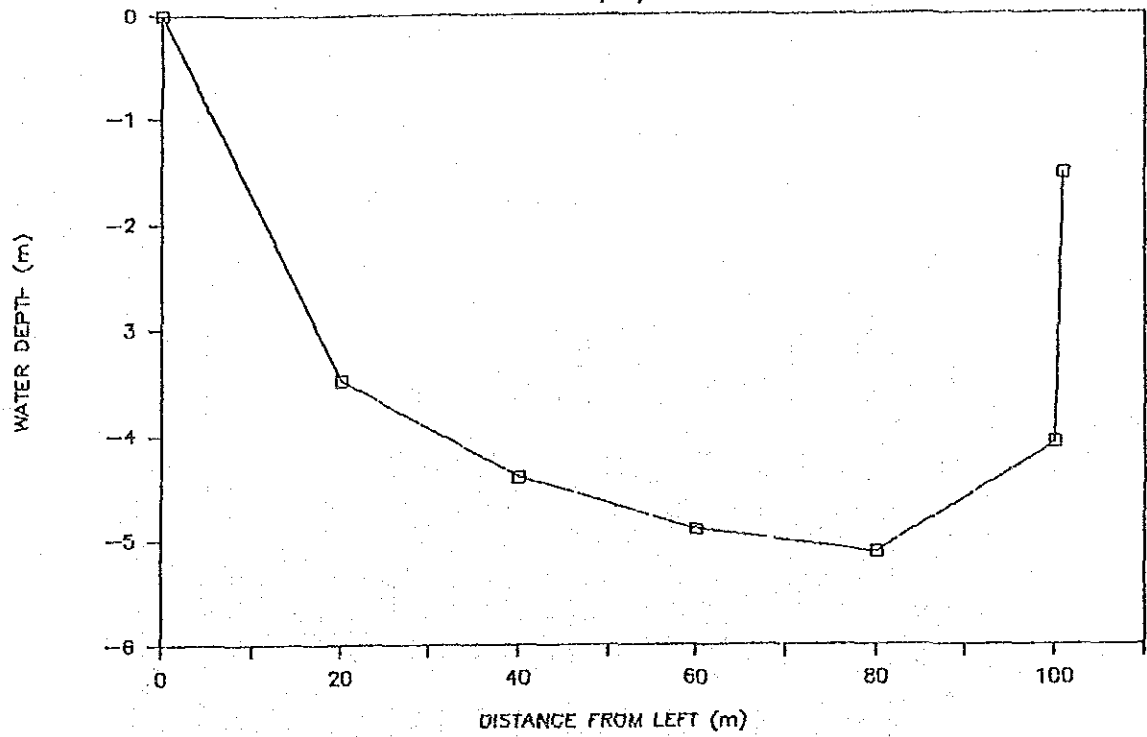
ST. : 2-250

FLOW MEASUREMENT

ITEMS	NO L	NO 1	NO 2	NO 3	NO 4	NO 5	NO R
WATER DEPTH (m)	0.00	3.48	4.40	4.90	5.12	4.08	1.53
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	1.00
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	101.00
VELOCITY.2 1(f/s)	0.00	0.00	0.40	0.40	0.30	0.30	0.00
VELOCITY.2 2(f/s)	0.00	0.00	0.40	0.40	0.25	0.35	0.00
MEAN VEL.2 (f/s)	0.00	0.00	0.40	0.40	0.28	0.33	0.00
VELOCITY.8 1(f/s)	0.00	0.00	0.30	0.25	0.15	0.15	0.00
VELOCITY.8 2(f/s)	0.00	0.00	0.35	0.20	0.15	0.15	0.00
MEAN VEL.8 (f/s)	0.00	0.00	0.33	0.23	0.15	0.15	0.00
MEAN VEL (f/s)	0.000	0.000	0.363	0.313	0.213	0.238	0.000
MEAN VEL (m/s)	0.000	0.000	0.110	0.095	0.065	0.072	0.000
L/MEAN DEPTH (m)	0.000	1.740	4.170	4.775	5.065	4.340	
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	
L/SEC. AREA (m2)	0.00	34.80	41.70	47.75	50.65	43.40	
R/MEAN DEPTH (m)	0.000	3.710	4.525	4.955	4.860	2.805	
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	1.00	
R/SEC. AREA (m2)	0.00	37.10	45.25	49.55	48.60	2.81	
S/AREA (m2)	0.00	71.90	86.95	97.30	99.25	46.21	
TOTAL AREA (m2)	0.0	71.9	158.9	256.2	355.4	401.6	
S/DISCHARGE (m3/s)	0.00	0.00	9.61	9.27	6.43	3.34	
TOTAL DIS. (m3/s)	0.00	0.00	9.61	18.87	25.30	28.65	
WATER LEVEL (f)	6.09						1.86
TOTAL DISCHARGE	28.65						0.07
WATER LEVEL (m)							
MEAN VELOCITY(m/s)							

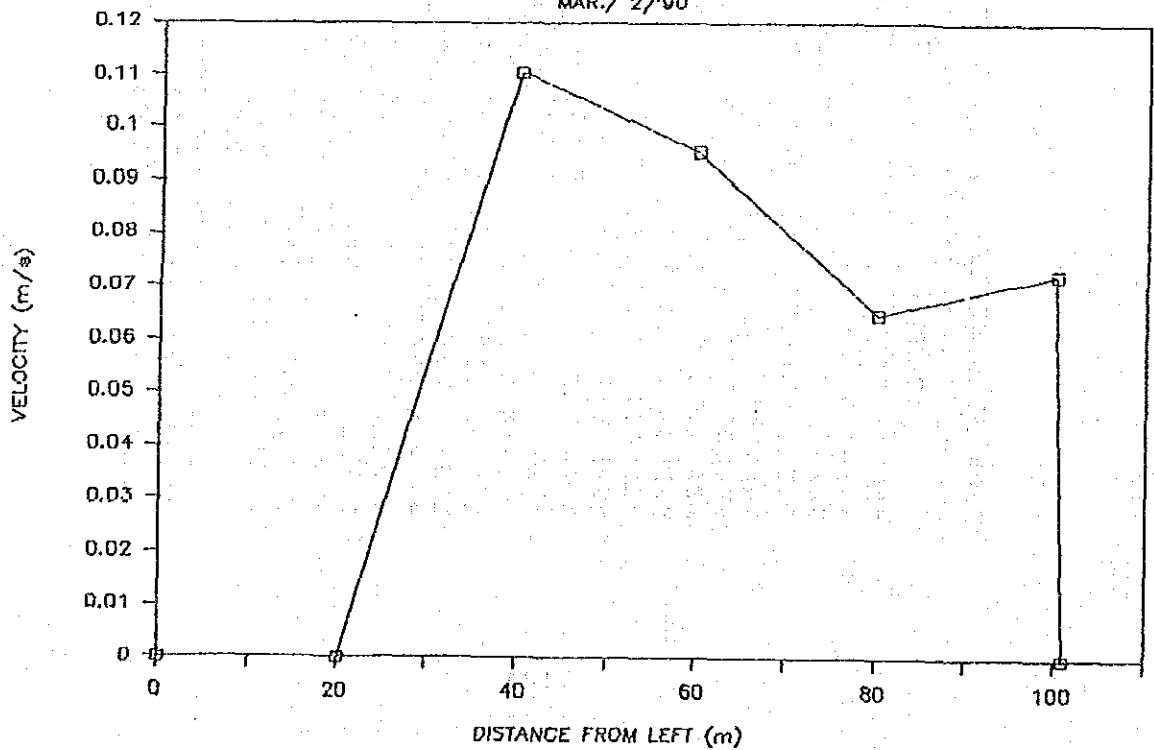
WATER DEPTH (2-250)

MAR./ 2/90



VELOCITY (2-250)

MAR./ 2/90

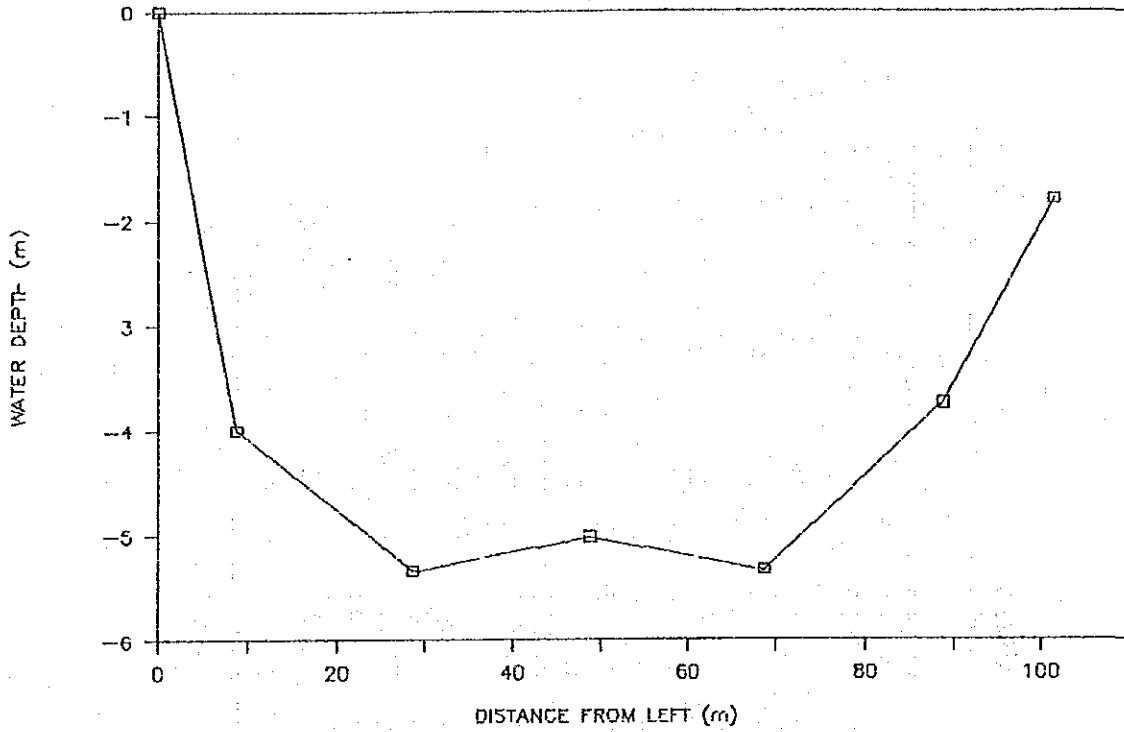


FLOW MEASUREMENT ST. : 2-250 KALABO JUN/14/90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	4.00	5.34	5.02	5.33	3.74	1.90
SE/WIDTH (m)	0.00	8.70	20.00	20.00	20.00	20.00	12.90
TOTAL SE/WIDTH(m)	0.00	8.70	28.70	48.70	68.70	88.70	101.60
VELOCITY.2-1(f/s)	0.00	0.15	0.32	0.35	0.40	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.15	0.30	0.35	0.40	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.16	0.31	0.35	0.40	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.22	0.22	0.20	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.10	0.25	0.22	0.20	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.10	0.24	0.22	0.20	0.00	0.00
MEAN VEL (f/s)	0.000	0.128	0.273	0.285	0.300	0.000	0.000
MEAN VEL (m/s)	0.000	0.039	0.083	0.087	0.091	0.000	0.000
L/MEAN DEPTH (m)	0.000	2.000	5.005	5.100	5.253	4.138	-
L/MEAN WIDTH (m)	0.00	8.70	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	17.40	50.05	51.00	52.53	41.38	-
R/MEAN DEPTH (m)	0.000	4.335	5.260	5.098	4.933	2.770	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	12.90	-
R/SEC. AREA (m2)	0.00	43.35	52.60	50.98	49.33	35.73	-
S/AREA (m2)	0.00	60.75	102.65	101.98	101.85	77.11	-
TOTAL AREA (m2)	0.0	60.8	163.4	265.4	367.2	444.3	-
S/DISCHARGE(m3/s)	0.00	2.36	8.53	8.86	9.31	0.00	-
TOTAL DIS. (m3/s)	0.00	2.36	10.89	19.75	29.06	29.06	-
=====							
WATER LEVEL (f)	6.00	WATER LEVEL (m) : 1.83					
TOTAL DISCHARGE :	29.06	MEAN VELOCITY(m/s) : 0.07					
=====							

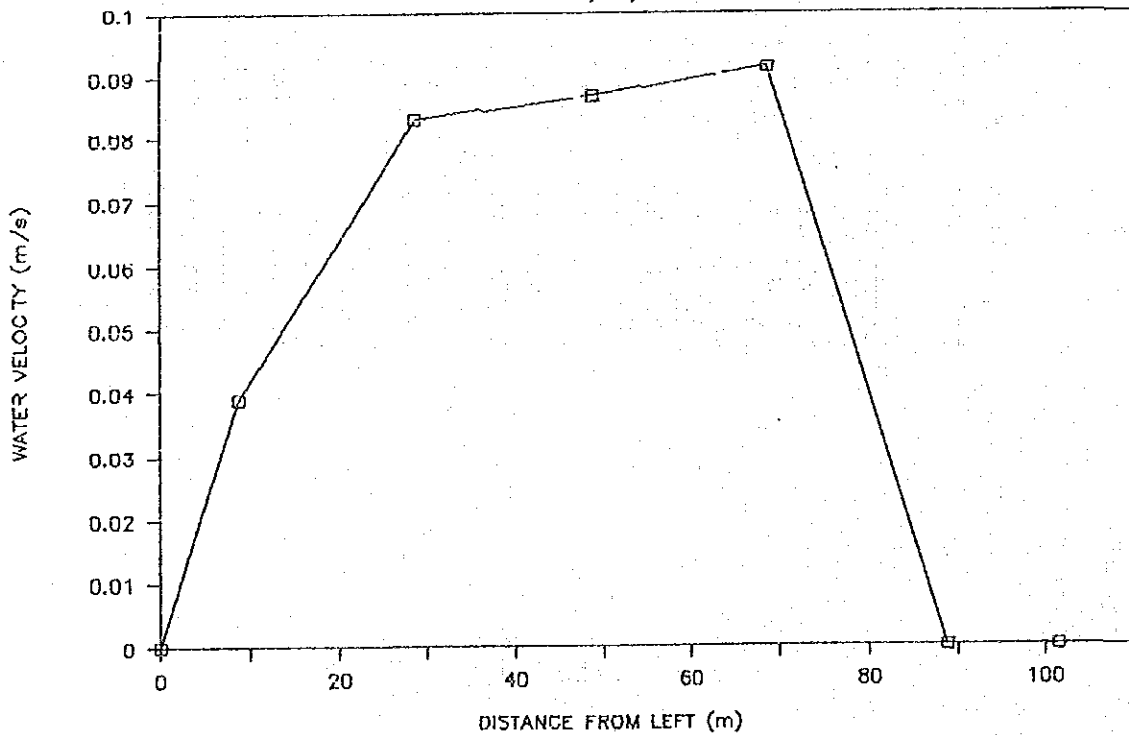
WATER DEPTH (2-250)

JUN./14/90



WATER VELOCITY (2-250)

JUN./14/90



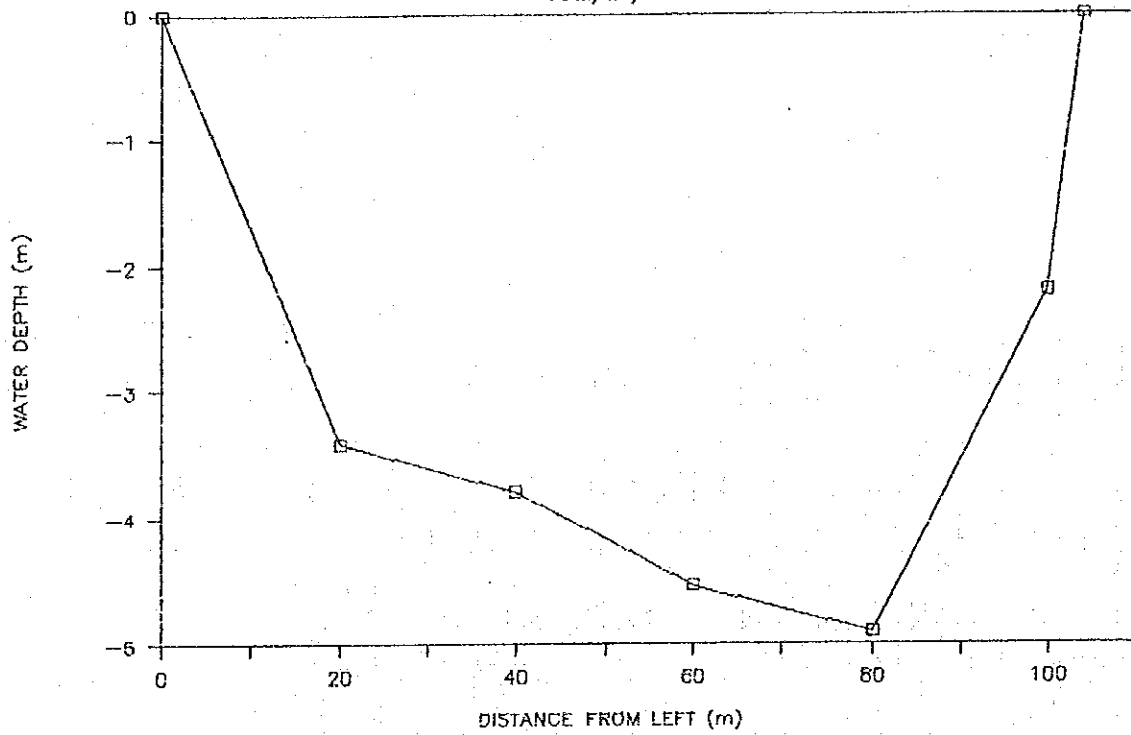
JUL./27/'90

FLOW MEASUREMENT ST. : 2-250 KALABO

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.41	3.79	4.53	4.90	2.20	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	4.20
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	104.20
VELOCITY.2-1(f/s)	0.00	0.05	0.15	0.20	0.30	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.05	0.15	0.20	0.30	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.05	0.15	0.20	0.30	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.03	0.10	0.15	0.20	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.03	0.10	0.15	0.20	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.03	0.10	0.15	0.20	0.00	0.00
MEAN VEL (f/s)	0.000	0.040	0.125	0.175	0.250	0.000	0.000
MEAN VEL (m/s)	0.000	0.012	0.038	0.053	0.076	0.000	0.000
L/MEAN DEPTH (m)	0.000	1.705	3.695	4.345	4.808	2.875	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	34.10	36.95	43.45	48.08	28.75	-
R/MEAN DEPTH (m)	0.000	3.505	3.975	4.623	4.225	1.100	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	4.20	-
R/SEC. AREA (m2)	0.00	35.05	39.75	46.23	42.25	4.62	-
S/AREA (m2)	0.00	69.15	76.70	89.69	90.33	33.37	-
TOTAL AREA (m2)	0.0	69.2	145.9	235.5	325.9	359.2	-
S/DISCHARGE(m3/s)	0.00	0.84	2.92	4.78	6.88	0.00	-
TOTAL DIS. (m3/s)	0.00	0.84	3.77	8.55	15.43	15.43	-
WATER LEVEL (f)	4.10	WATER LEVEL (m) : 1.25					
TOTAL DISCHARGE	15.43	MEAN VELOCITY(m/s) : 0.04					

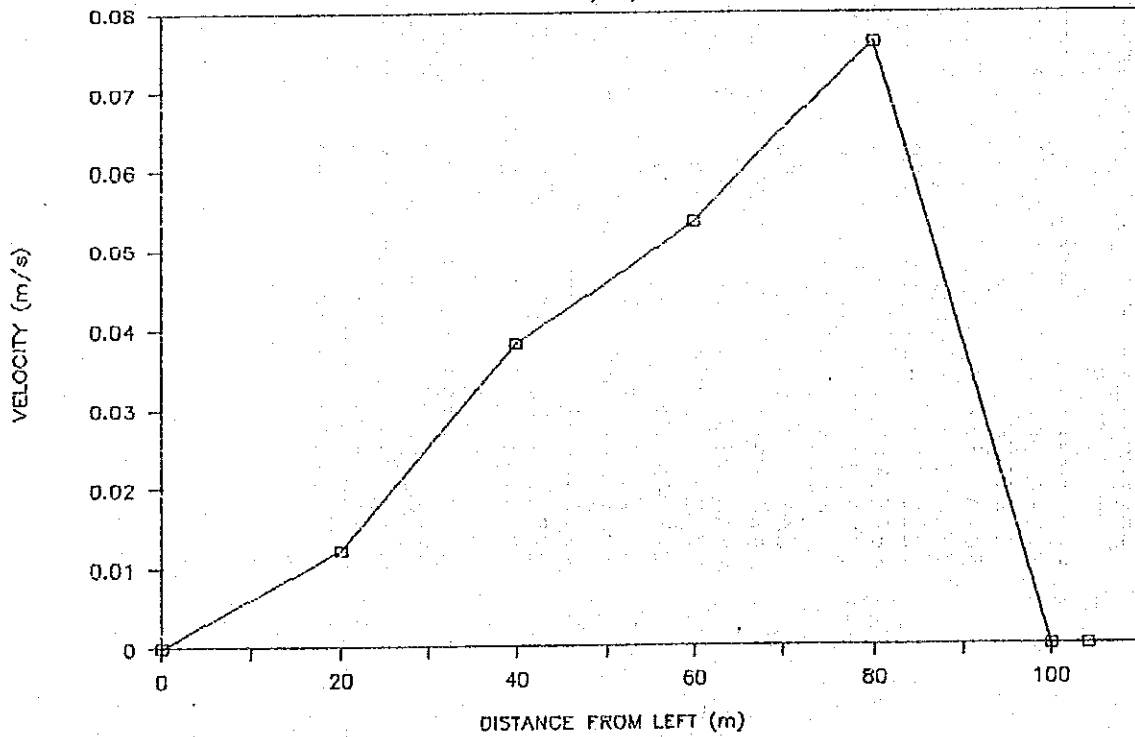
WATER DEPTH (2-250)

JUL./27/'90



VELOCITY (2-250)

JUL./27/'90

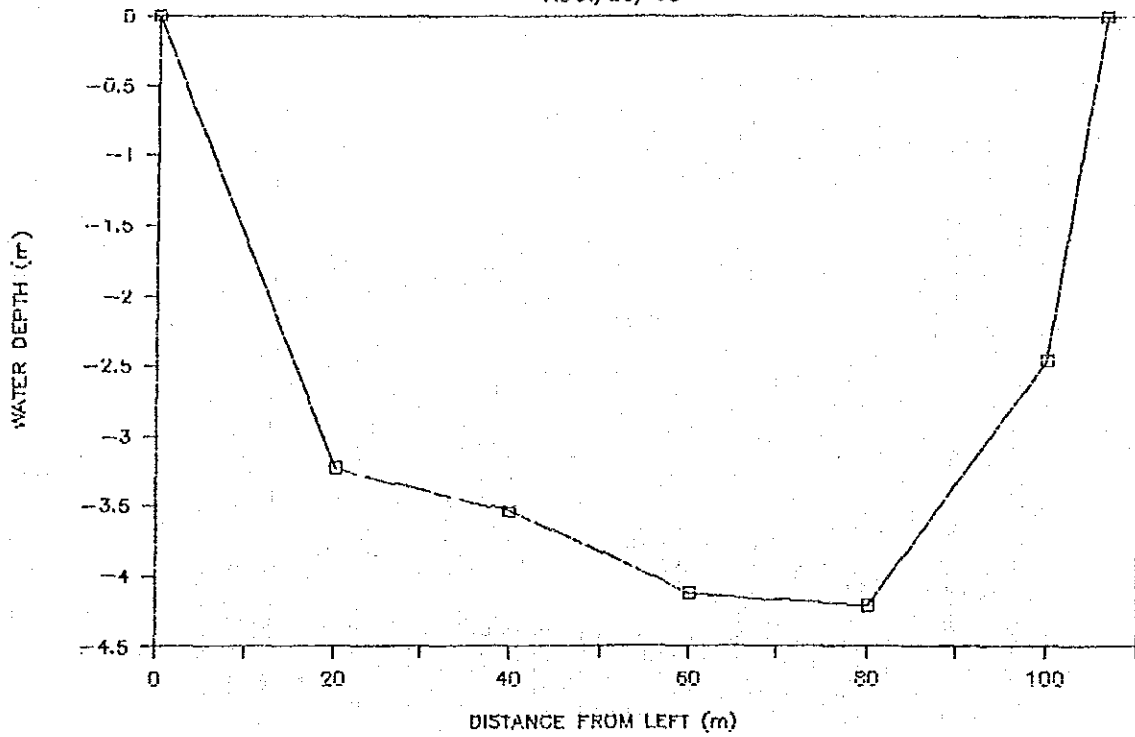


FLOW MEASUREMENT ST. : 2-250 KALABO AUG./28/'90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R
WATER DEPTH (m)	0.00	3.23	3.54	4.12	4.21	2.46	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	6.50
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	106.50
VELOCITY.2-1(f/s)	0.00	0.00	0.20	0.30	0.15	0.10	0.00
VELOCITY.2-2(f/s)	0.00	0.00	0.20	0.30	0.15	0.10	0.00
MEAN VEL.2 (f/s)	0.00	0.00	0.20	0.30	0.15	0.10	0.00
VELOCITY.8-1(f/s)	0.00	0.00	0.15	0.25	0.10	0.05	0.00
VELOCITY.8-2(f/s)	0.00	0.00	0.15	0.25	0.10	0.05	0.00
MEAN VEL.8 (f/s)	0.00	0.00	0.15	0.25	0.10	0.05	0.00
MEAN VEL (f/s)	0.000	0.000	0.175	0.275	0.125	0.075	0.000
MEAN VEL (m/s)	0.000	0.000	0.053	0.084	0.038	0.023	0.000
L/MEAN DEPTH (m)	0.000	1.615	3.463	3.975	4.188	2.698	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	32.30	34.63	39.75	41.88	26.98	-
R/MEAN DEPTH (m)	0.000	3.308	3.685	4.143	3.773	1.230	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	6.50	-
R/SEC. AREA (m2)	0.00	33.08	36.85	41.43	37.73	8.00	-
S/AREA (m2)	0.00	65.38	71.48	81.18	78.60	36.97	-
TOTAL AREA (m2)	0.0	65.4	136.9	218.0	297.6	324.6	-
S/DISCHARGE(m3/s)	0.00	0.00	3.81	6.80	3.03	0.85	-
TOTAL DIS. (m3/s)	0.00	0.00	3.81	10.52	13.65	14.49	-
WATER LEVEL (f)	2.99	WATER LEVEL (m) : 0.91					
TOTAL DISCHARGE	14.49	MEAN VELOCITY(m/s) : 0.04					

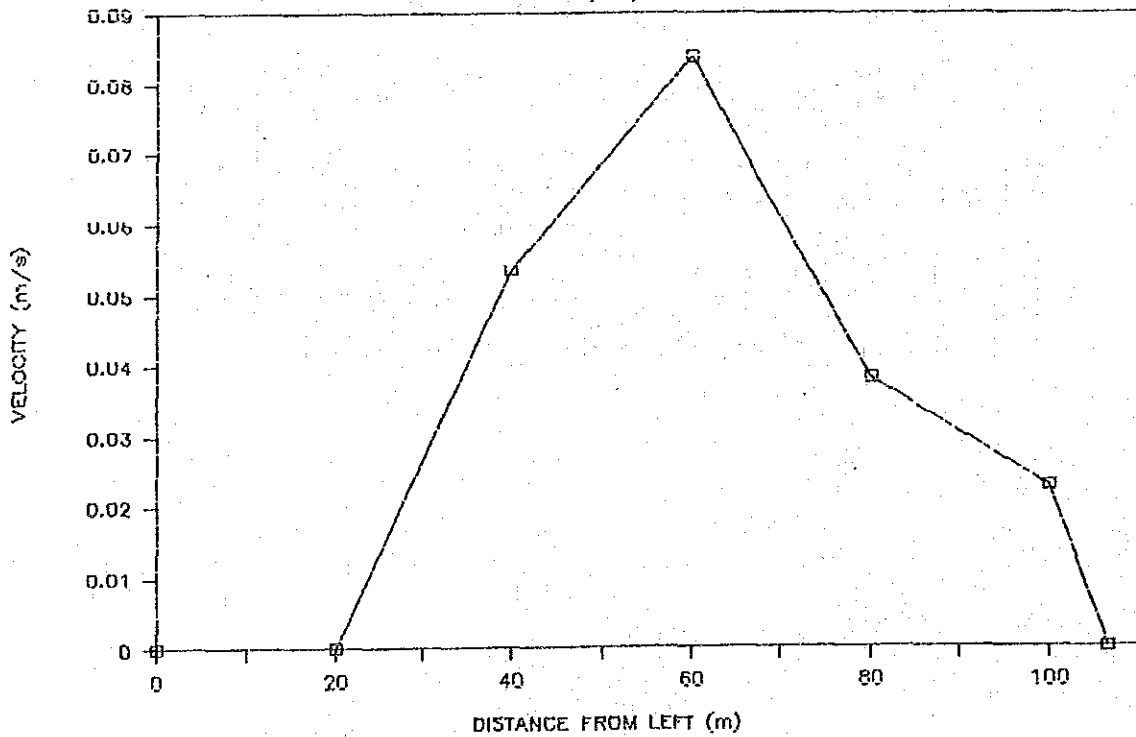
WATER DEPTH (2-250)

AUG./28/90



VELOCITY (2-250)

AUG./28/90



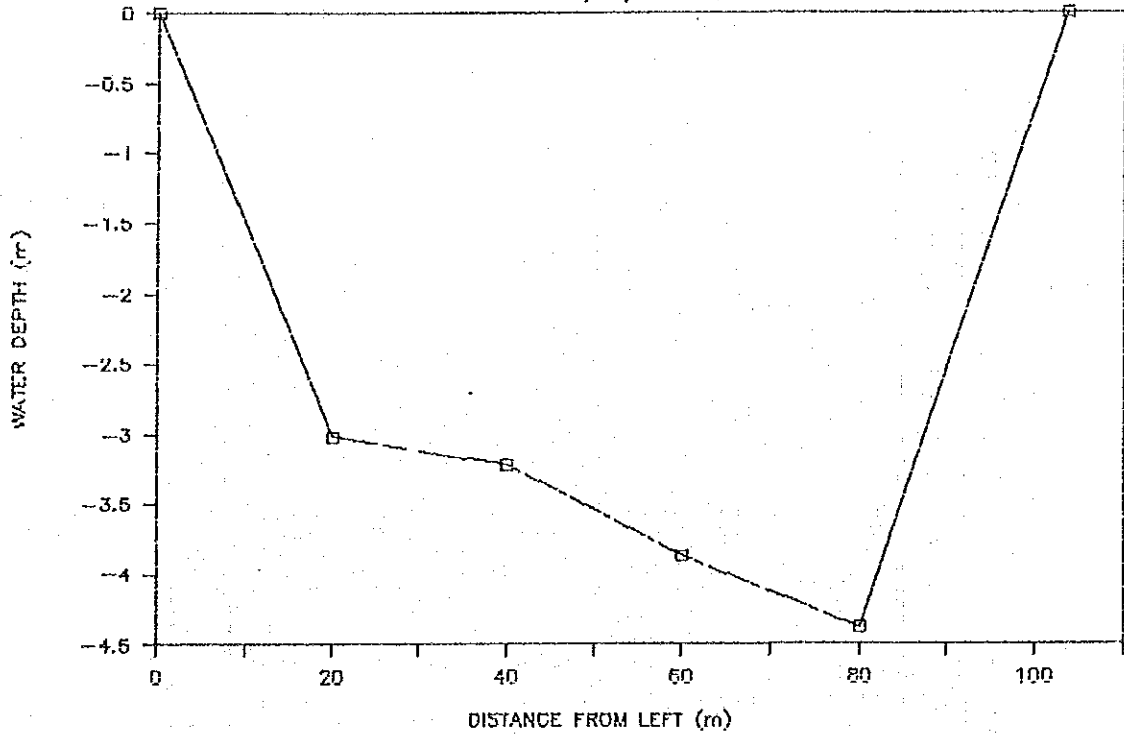
FLOW MEASUREMENT ST. : 2-250 KALABO SEP./30/'90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-5	NO-R
WATER DEPTH (m)	0.00	3.02	3.22	3.87	4.38	0.00
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	23.80
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	103.80
VELOCITY 2-1(f/s)	0.00	0.10	0.10	0.30	0.20	0.00
VELOCITY 2-2(f/s)	0.00	0.10	0.10	0.30	0.15	0.00
MEAN VELOCITY 2-1(f/s)	0.00	0.10	0.10	0.30	0.18	0.00
VELOCITY 8-1(f/s)	0.00	0.10	0.05	0.10	0.10	0.00
VELOCITY 8-2(f/s)	0.00	0.05	0.05	0.10	0.10	0.00
MEAN VELOCITY 8(f/s)	0.00	0.08	0.05	0.10	0.10	0.00
MEAN VEL (f/s)	0.000	0.088	0.075	0.200	0.138	0.000
MEAN VEL (m/s)	0.000	0.027	0.023	0.061	0.042	0.000
L/MEAN DEPTH (m)	0.000	1.510	3.170	3.708	4.253	-
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	-
L/SEC. AREA (m2)	0.00	30.20	31.70	37.08	42.53	-
R/MEAN DEPTH (m)	0.000	3.070	3.383	3.998	2.190	-
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	23.80	-
R/SEC. AREA (m2)	0.00	30.70	33.83	39.98	52.12	-
S/AREA (m2)	0.00	60.90	65.53	77.05	94.65	-
TOTAL AREA (m2)	0.0	60.9	126.4	203.5	298.1	-
S/DISCHARGE(m3/s)	0.00	1.62	1.50	4.70	3.97	-
TOTAL DIS. (m3/s)	0.00	1.62	3.12	7.82	11.79	-

WATER LEVEL (f) : 2.19 WATER LEVEL (m) : 0.67
 TOTAL DISCHARGE : 11.79 MEAN VELOCITY(m/s) : 0.04

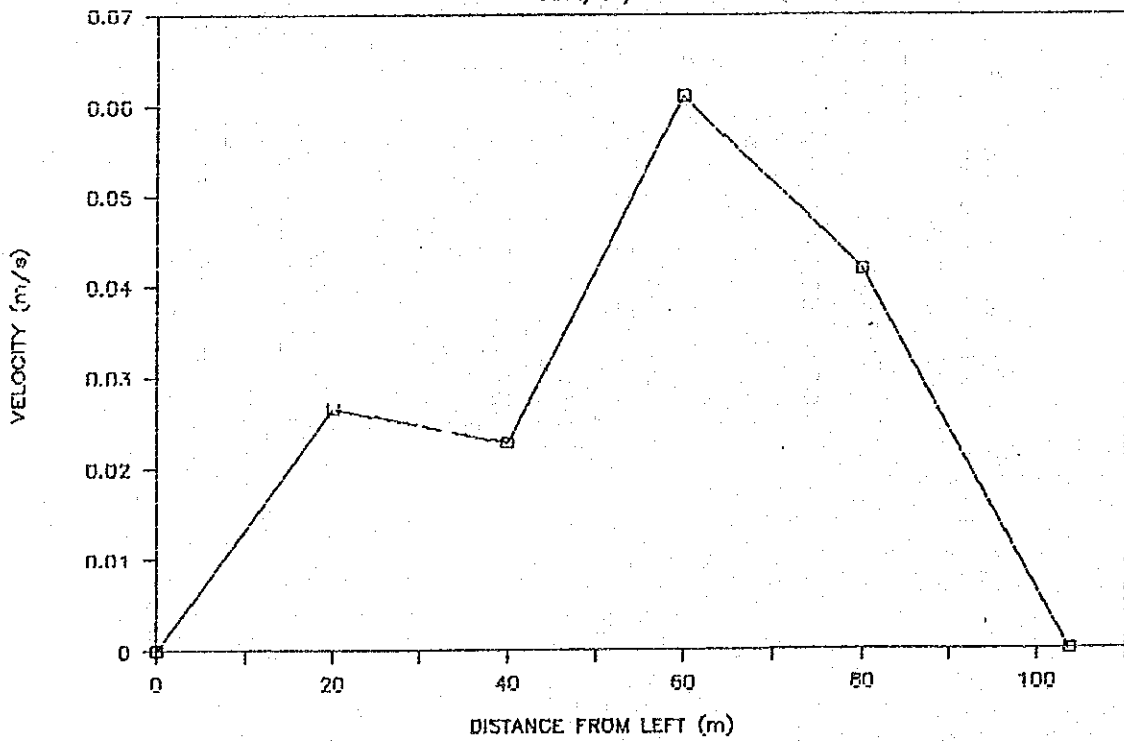
WATER DEPTH (2-250)

SEP./30/90



VELOCITY (2-250)

SEP./30/90



FLOW MEASUREMENT ST. : 2-250 KALABO

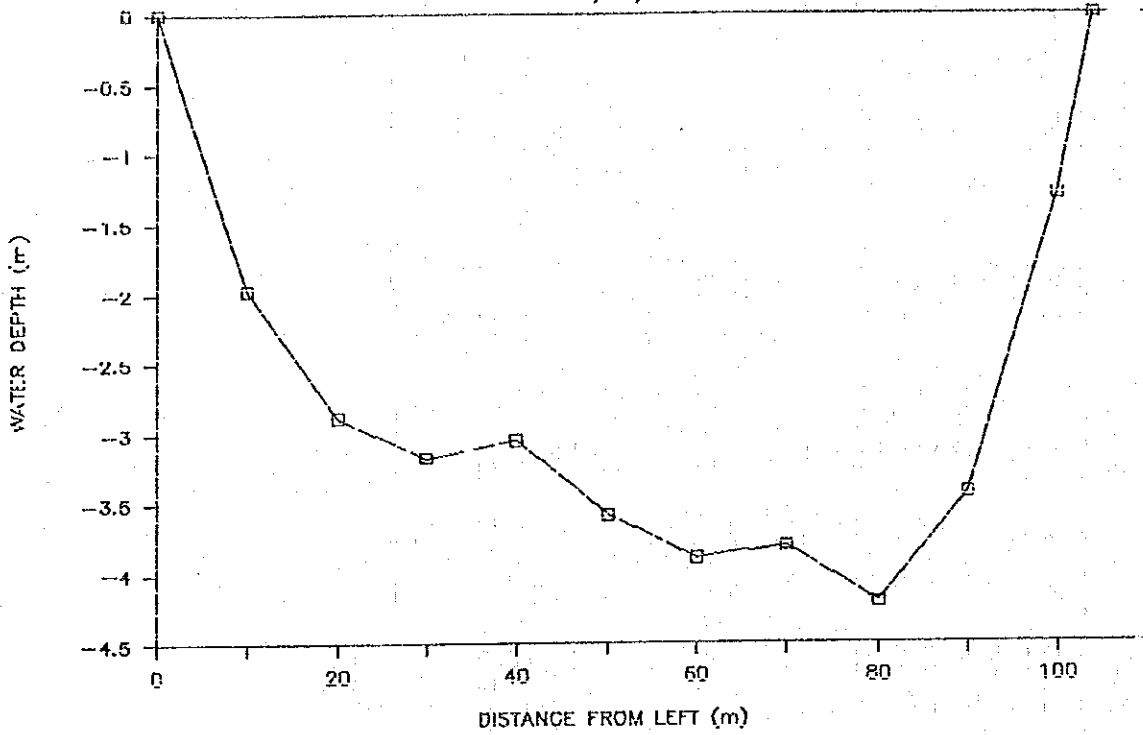
OCT./29/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	2.89	3.17	3.05	3.58	3.89	3.80	4.20	3.42	1.30	0.00
SE/WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.00
TOTAL SE/WIDTH(m)	0.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	104.00
VELOCITY.2-1(f/s)	0.00	0.20	0.10	0.15	0.20	0.40	0.40	0.30	0.25	0.10	0.00
VELOCITY.2-2(f/s)	0.00	0.20	0.10	0.15	0.20	0.40	0.40	0.30	0.25	0.10	0.00
MEAN VEL.2 (f/s)	0.00	0.20	0.10	0.15	0.20	0.40	0.40	0.30	0.25	0.10	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.05	0.10	0.15	0.20	0.25	0.10	0.15	0.03	0.00
VELOCITY.8-2(f/s)	0.00	0.10	0.05	0.10	0.15	0.20	0.20	0.10	0.15	0.03	0.00
MEAN VEL.8 (f/s)	0.00	0.10	0.05	0.10	0.15	0.20	0.23	0.10	0.15	0.03	0.00
MEAN VEL (f/s)	0.000	0.150	0.075	0.125	0.175	0.300	0.313	0.200	0.200	0.065	0.000
MEAN VEL (m/s)	0.000	0.046	0.023	0.038	0.053	0.091	0.095	0.061	0.061	0.020	0.000
L/MEAN DEPTH (m)	0.000	2.663	3.100	3.080	3.448	3.813	3.823	4.100	3.615	1.830	-
L/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	-
L/SEC. AREA (m2)	0.00	9.90	13.31	15.50	17.24	19.06	19.11	20.50	18.08	9.15	-
R/MEAN DEPTH (m)	0.000	2.208	2.960	3.140	3.183	3.658	3.900	4.005	2.890	0.650	-
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00	-
R/SEC. AREA (m2)	0.00	11.04	14.80	15.70	15.91	18.29	19.34	19.50	14.45	2.60	-
S/AREA (m2)	0.00	20.94	28.11	31.20	31.31	35.53	38.40	38.61	32.53	11.75	-
TOTAL AREA (m2)	0.0	20.9	49.1	80.3	111.6	147.1	185.5	224.1	254.6	308.9	-
S/DISCHARGE(m3/s)	0.00	0.00	1.29	0.71	1.19	1.89	3.51	3.68	1.98	0.23	-
TOTAL DIS. (m3/s)	0.00	1.29	2.00	3.19	5.09	8.60	12.28	14.75	16.73	16.96	-

WATER LEVEL (f) : 1.59 WATER LEVEL (m) : 0.48
 TOTAL DISCHARGE : 16.96 MEAN VELOCITY(m/s) : 0.05

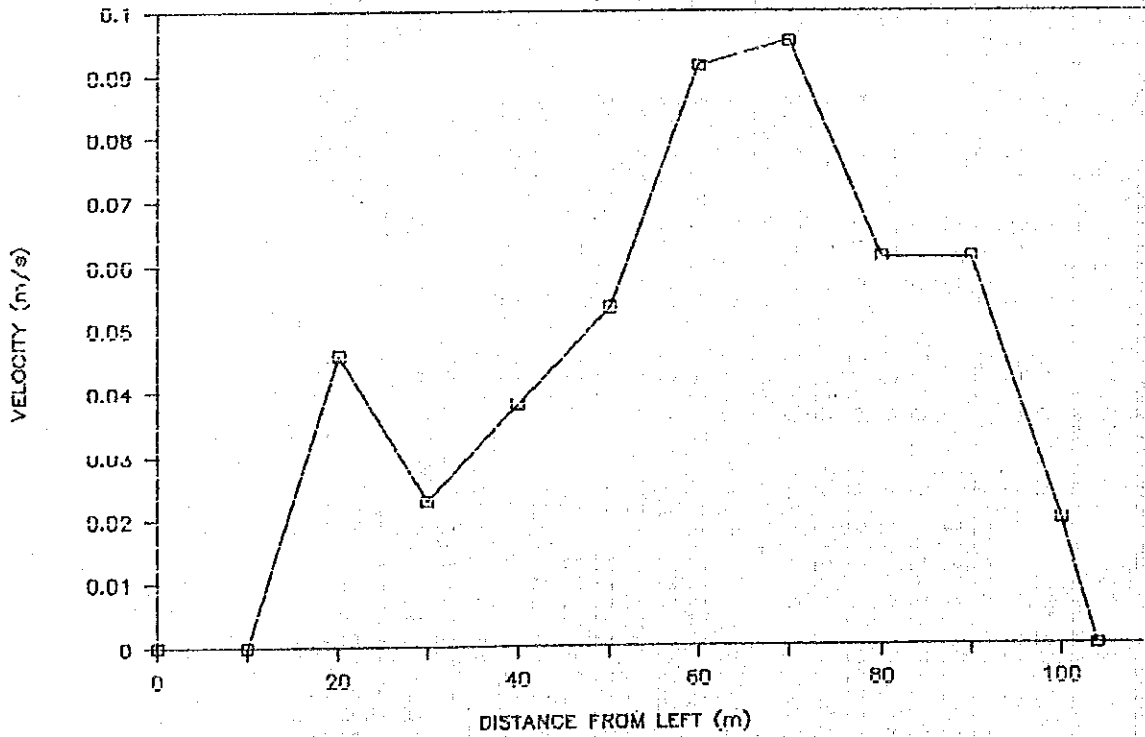
WATER DEPTH (2-250)

OCT./29/90



VELOCITY (2-250)

OCT./29/90



FLOW MEASUREMENT ST. : 2-250 KALARO

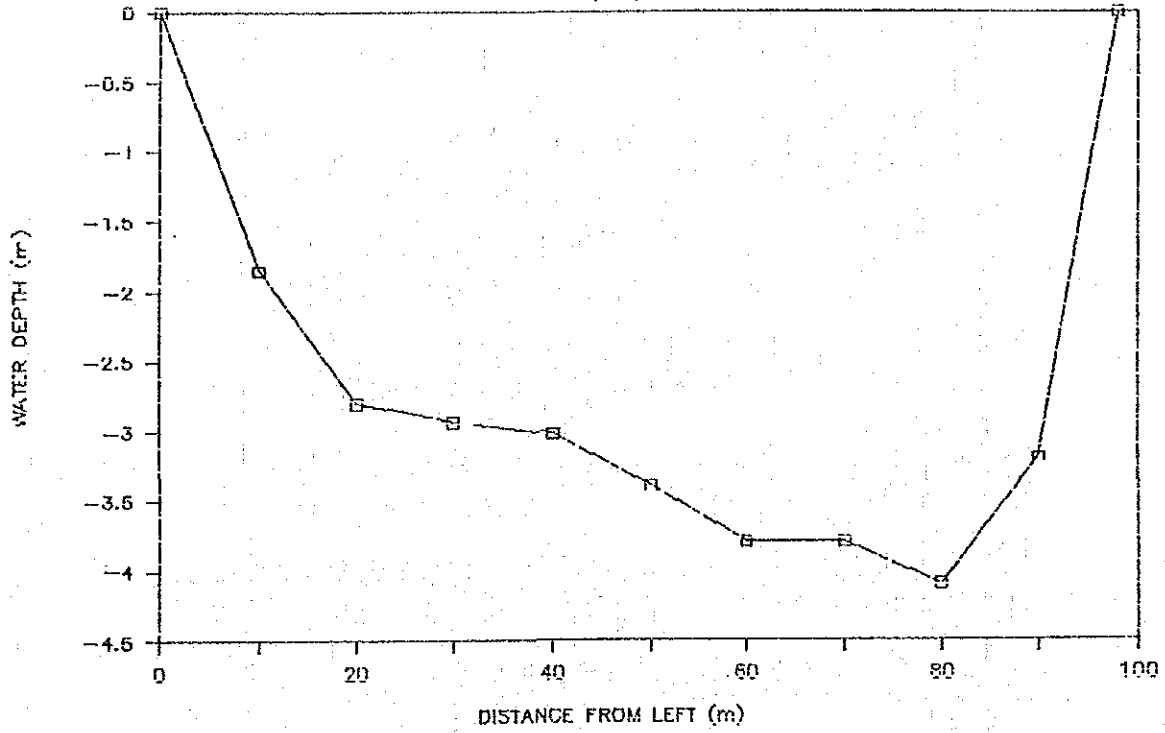
DEC./10/190

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-R
WATER DEPTH (m)	0.00	1.86	2.80	2.94	3.02	3.40	3.80	4.10	3.20	0.00
SE/WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	8.00
TOTAL SE/WIDTH(m)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	98.00
VELOCITY.2-1(f/s)	0.00	0.20	0.15	0.10	0.15	0.20	0.15	0.10	0.20	0.00
VELOCITY.2-2(f/s)	0.00	0.20	0.15	0.10	0.15	0.20	0.15	0.10	0.20	0.00
MEAN VEL.2 (f/s)	0.00	0.20	0.15	0.10	0.15	0.20	0.15	0.10	0.20	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.10	0.05	0.10	0.15	0.10	0.08	0.15	0.00
VELOCITY.8-2(f/s)	0.00	0.10	0.10	0.05	0.10	0.15	0.10	0.08	0.15	0.00
MEAN VEL.8 (f/s)	0.00	0.10	0.10	0.05	0.10	0.15	0.10	0.08	0.15	0.00
MEAN VEL. (f/s)	0.000	0.150	0.125	0.075	0.125	0.175	0.125	0.090	0.175	0.000
MEAN VEL. (m/s)	0.000	0.046	0.038	0.023	0.038	0.053	0.038	0.027	0.053	0.000
L/MEAN DEPTH (m)	0.000	0.930	2.565	2.905	3.000	3.305	3.700	3.800	4.025	3.425
L/MEAN WIDTH (m)	0.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
L/SEC. AREA (m2)	0.00	9.30	12.83	14.53	15.00	16.53	18.50	19.00	20.12	17.13
R/MEAN DEPTH (m)	0.000	2.095	2.835	2.960	3.115	3.500	3.800	3.875	3.875	1.600
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	8.00
R/SEC. AREA (m2)	0.00	10.48	14.18	14.80	15.58	17.50	19.00	19.38	19.38	12.80
S/AREA (m2)	0.00	19.78	27.00	29.33	30.58	34.03	37.50	38.38	39.50	29.93
TOTAL AREA (m2)	0.0	19.8	46.8	76.1	106.7	140.7	178.2	216.6	256.1	286.0
S/DISCHARGE(m3/s)	0.00	0.90	1.03	0.67	1.16	1.81	1.43	1.05	2.11	1.82
TOTAL DIS. (m3/s)	0.00	0.90	1.93	2.60	3.77	5.58	7.01	8.06	10.17	12.00

WATER LEVEL (f) : 1.22 WATER LEVEL (m) : 0.37
 TOTAL DISCHARGE : 12.00 MEAN VELOCITY(m/s) : 0.04

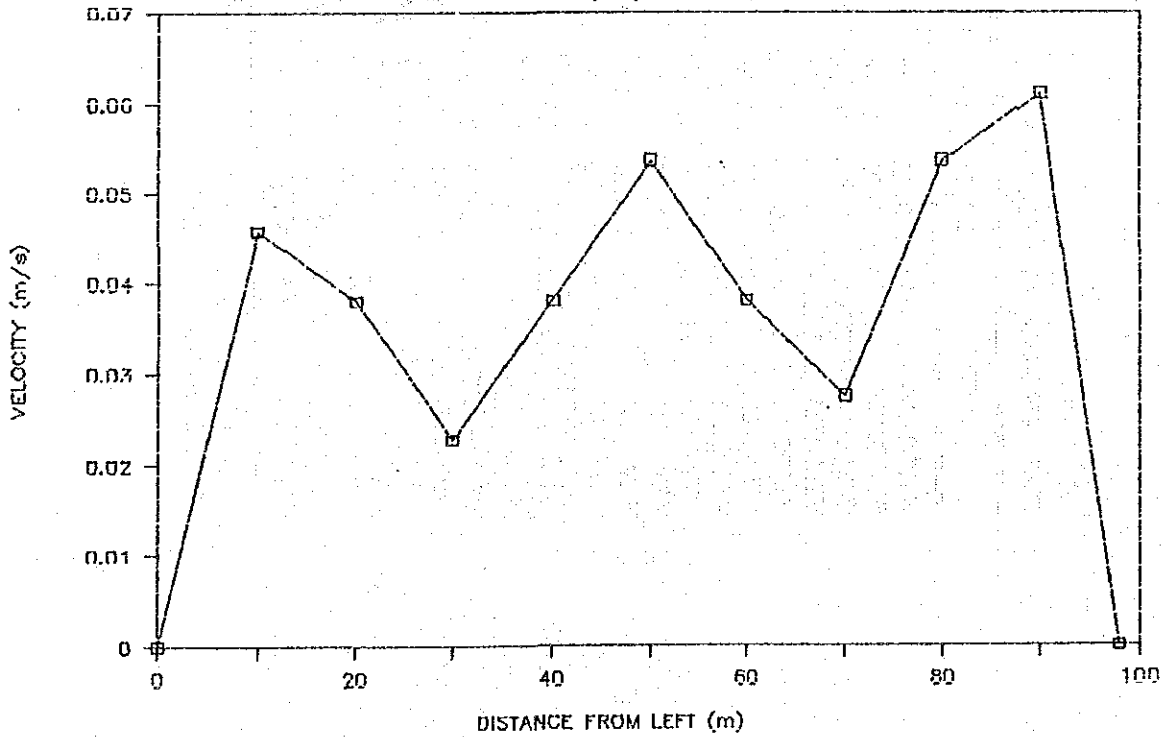
WATER DEPTH (2-250)

DEC./10/90



VELOCITY (2-250)

DEC./10/90



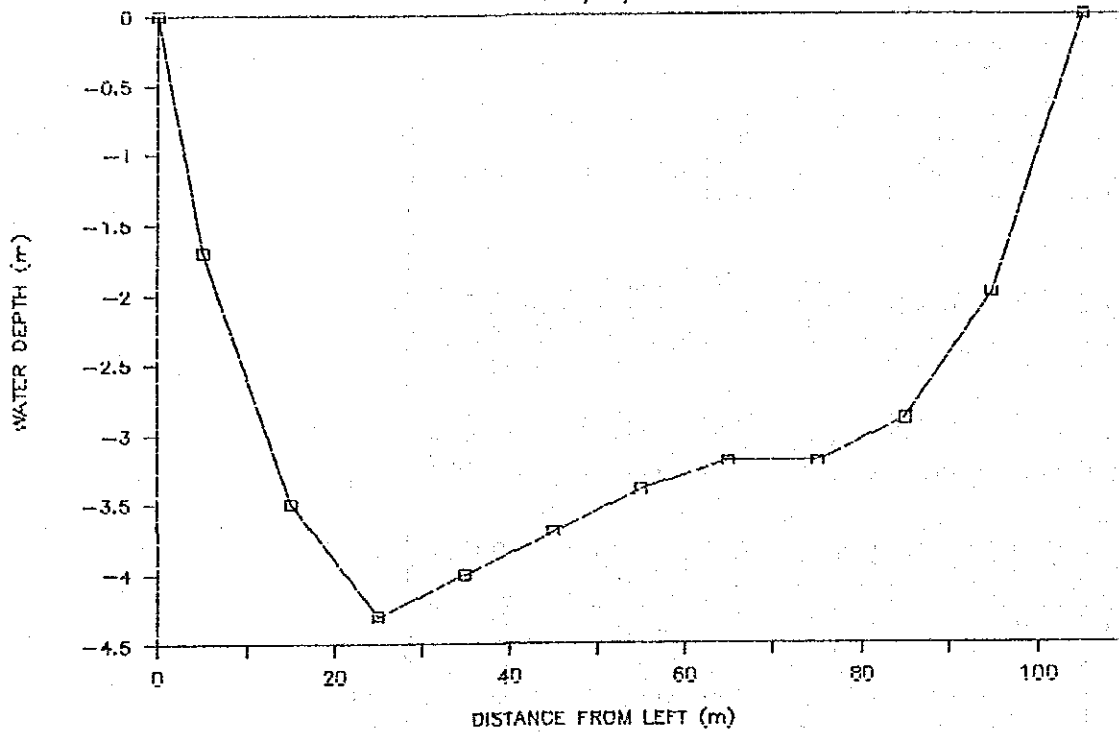
FLOW MEASUREMENT ST. : 2-250 KALABO

JAN./20/'91

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	1.70	3.50	4.30	4.00	3.70	3.40	3.20	3.20	2.90	2.00	0.00
SE/WIDTH (m)	5.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
TOTAL SE/WIDTH(m)	5.00	15.00	25.00	35.00	45.00	55.00	65.00	75.00	85.00	95.00	105.00
VELOCITY.2-1(m/s)	0.04	0.05	0.04	0.03	0.04	0.03	0.02	0.00	0.00	0.00	0.00
VELOCITY.2-2(m/s)	0.04	0.05	0.04	0.03	0.04	0.03	0.02	0.00	0.00	0.00	0.00
MEAN VEL.2 (m/s)	0.04	0.05	0.04	0.03	0.04	0.03	0.02	0.00	0.00	0.00	0.00
VELOCITY.8-1(m/s)	0.03	0.03	0.03	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00
VELOCITY.8-2(m/s)	0.03	0.03	0.03	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00
MEAN VEL.8 (m/s)	0.03	0.03	0.03	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00
MEAN VEL (f/s)											
MEAN VEL (m/s)	0.035	0.040	0.035	0.025	0.035	0.025	0.015	0.000	0.000	0.000	0.000
L/MEAN DEPTH (m)	0.850	3.050	4.100	4.075	3.775	3.475	3.250	3.200	2.975	2.300	-
L/MEAN WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	-
L/SEC. AREA (m2)	4.25	15.25	20.50	20.38	18.88	17.38	16.25	16.00	14.88	11.50	-
R/MEAN DEPTH (m)	2.150	3.700	4.225	3.925	3.625	3.350	3.200	2.900	2.175	1.000	-
R/MEAN WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.00	-
R/SEC. AREA (m2)	10.75	18.50	21.13	19.63	18.13	16.75	16.00	14.50	10.88	10.00	-
S/AREA (m2)	15.00	33.75	41.63	40.00	37.00	34.13	32.25	30.50	25.75	21.50	-
TOTAL AREA (m2)	0.0	48.8	90.4	130.4	167.4	201.5	233.8	264.3	290.0	285.8	-
S/DISCHARGE(m3/s)	0.53	1.35	1.46	1.00	1.30	0.85	0.48	0.00	0.00	0.00	-
TOTAL DIS. (m3/s)	0.53	1.88	3.33	4.33	5.63	6.48	6.96	6.96	6.96	6.96	-
WATER LEVEL (f) :	1.82										
WATER LEVEL (m) :											
TOTAL DISCHARGE :	6.96										
MEAN VELOCITY(m/s) :					0.55						
					0.02						

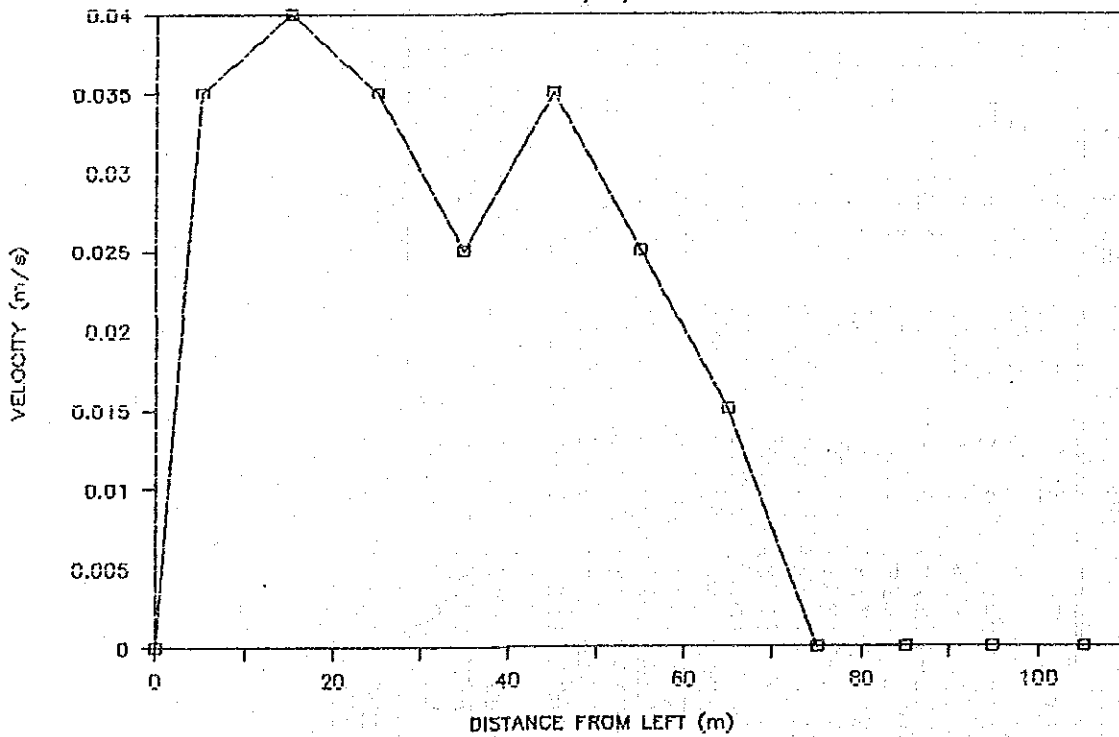
WATER DEPTH (2-250)

JAN./20/91



VELOCITY (2-250)

JAN./20/91



FLOW MEASUREMENT ST. : 2-250 KALASO 4/JULY/'91

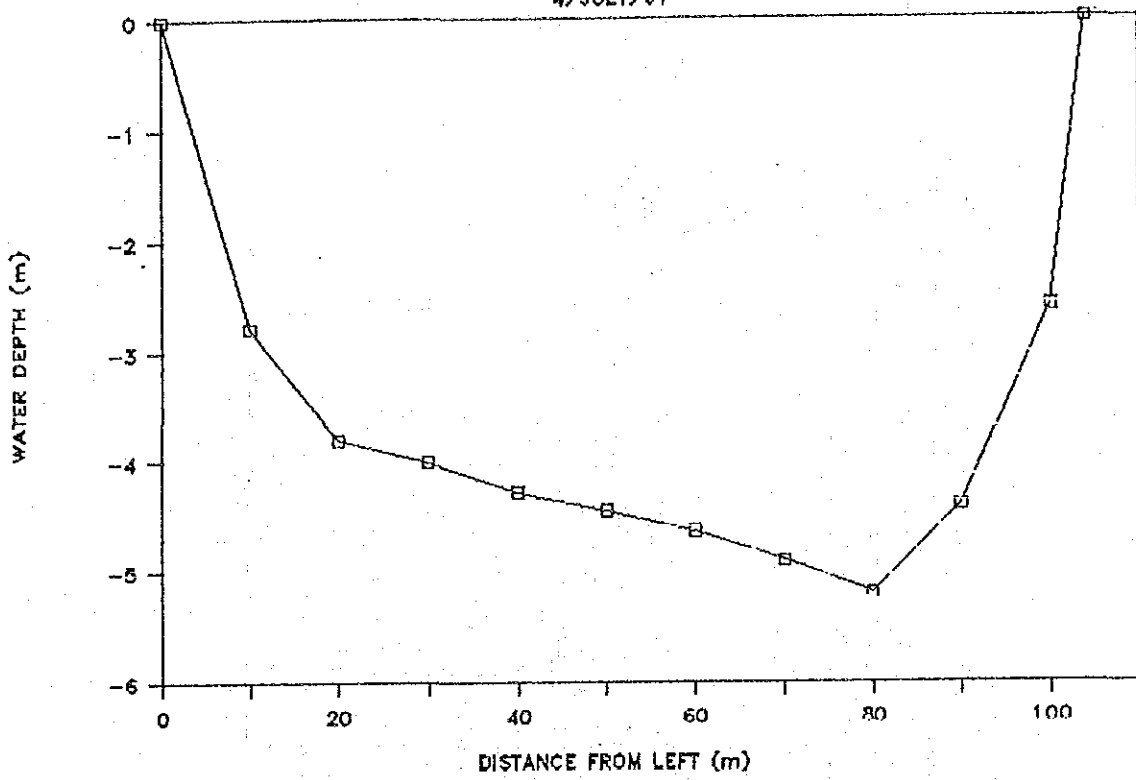
ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	2.79	3.80	4.00	4.28	4.45	4.63	4.90	5.19	4.40	2.60	0.00
SE/WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.00
TOTAL SE/WIDTH(m)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	104.00
VELOCITY.2-1(f/s)	0.00	0.15	-	-	-	-	-	-	-	-	-	0.00
VELOCITY.2-2(f/s)	0.00	0.20	-	-	-	-	-	-	-	-	-	0.00
MEAN VEL.2 (f/s)	0.00	0.18	-	-	-	-	-	-	-	-	-	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.30	0.35	0.05	0.15	0.10	0.10	0.10	0.10	0.10	0.00
VELOCITY.8-2(f/s)	0.00	0.05	0.25	0.35	0.05	0.10	0.10	0.15	0.10	0.10	0.10	0.00
MEAN VEL.8 (f/s)	0.00	0.08	0.28	0.35	0.05	0.13	0.10	0.13	0.10	0.10	0.10	0.00
MEAN VEL (f/s)	0.000	0.125	0.275	0.350	0.050	0.125	0.100	0.125	0.100	0.100	0.100	0.000
MEAN VEL (m/s)	0.000	0.038	0.084	0.107	0.015	0.038	0.030	0.038	0.030	0.030	0.030	0.000
L/MEAN DEPTH (m)	0.000	1.395	3.548	3.950	4.210	4.408	4.585	4.833	5.118	4.598	3.500	0.000
L/MEAN WIDTH (m)	0.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.00	-
L/SEC. AREA (m2)	0.00	13.95	17.74	19.75	21.05	22.04	22.93	24.16	25.59	22.99	35.00	-
R/MEAN DEPTH (m)	0.000	3.043	3.850	4.070	4.323	4.495	4.698	4.973	4.543	3.300	1.950	-
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.00	0.00	-
R/SEC. AREA (m2)	0.00	15.21	19.25	20.35	21.61	22.48	23.49	24.86	22.71	6.60	0.00	-
S/AREA (m2)	0.00	29.16	36.99	40.10	42.66	44.51	46.41	49.03	48.30	29.59	35.00	-
TOTAL AREA (m2)	0.0	29.2	66.2	106.3	148.9	193.4	239.8	288.9	337.2	366.8	401.8	-
S/DISCHARGE(m3/s)	0.00	1.11	3.10	4.28	0.65	1.70	1.41	1.87	1.47	0.90	1.07	-
TOTAL DIS. (m3/s)	0.00	1.11	4.21	8.49	9.14	10.84	12.25	14.12	15.59	16.49	17.56	-

WATER LEVEL (f) : 4.63 WATER LEVEL (m) : 1.41
 TOTAL DISCHARGE : 17.56 MEAN VELOCITY(m/s) : 0.04

where, - : using 0.6 depth method

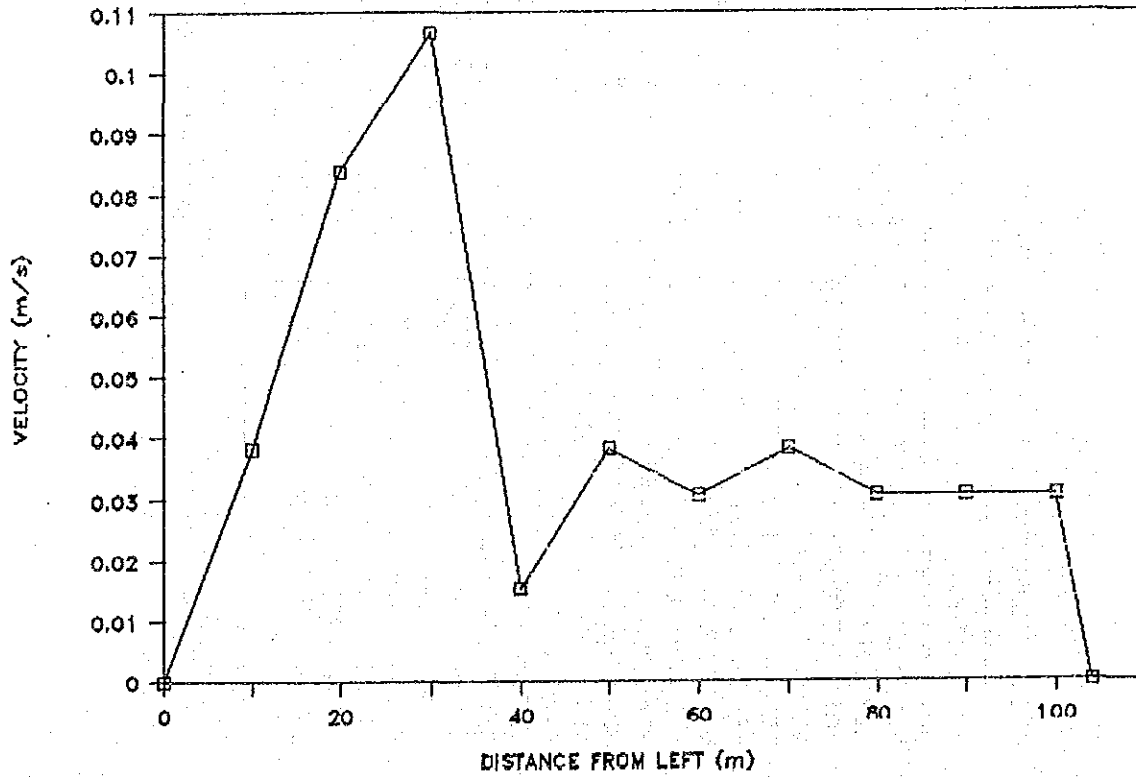
WATER DEPTH (2 250)

4/JULY/91



VELOCITY (2 250)

4/JULY/91

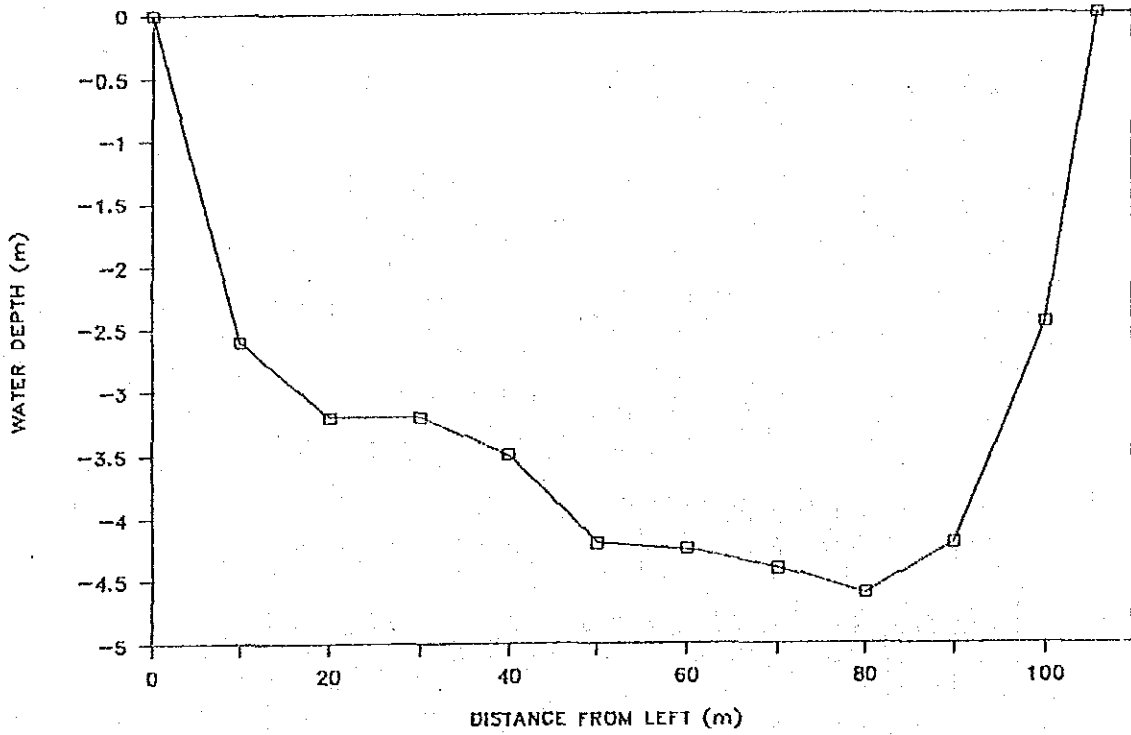


FLOW MEASUREMENT ST. : 2-250 KALABO 21/AUG/91

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	3.20	3.20	3.50	4.20	4.25	4.40	4.60	4.20	2.46	0.00
SE/WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.00
TOTAL SE/WIDTH(m)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	106.00
VELOCITY.2-1(f/s)	0.00	0.15	0.20	0.20	0.20	0.25	0.25	0.15	0.12	0.08	0.00
VELOCITY.2-2(f/s)	0.00	0.15	0.20	0.20	0.20	0.25	0.25	0.15	0.12	0.08	0.00
MEAN VEL.2 (f/s)	0.00	0.15	0.20	0.20	0.20	0.25	0.25	0.15	0.12	0.08	0.00
VELOCITY.8-1(f/s)	0.00	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.08	0.05	0.00
VELOCITY.8-2(f/s)	0.00	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.08	0.05	0.00
MEAN VEL.8 (f/s)	0.00	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.08	0.05	0.00
MEAN VEL (f/s)	0.000	0.125	0.175	0.150	0.150	0.225	0.225	0.125	0.100	0.065	0.000
MEAN VEL (m/s)	0.000	0.038	0.053	0.046	0.046	0.069	0.069	0.038	0.030	0.020	0.000
L/MEAN DEPTH (m)	0.000	3.050	3.200	3.425	4.025	4.238	4.363	4.550	4.300	3.330	0.000
L/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.00	-
L/SEC. AREA (m2)	0.00	13.00	15.25	16.00	17.13	20.13	21.19	21.81	22.75	21.50	33.30
R/MEAN DEPTH (m)	0.000	2.750	3.200	3.275	3.675	4.213	4.288	4.450	4.065	3.150	1.845
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.00	0.00
R/SEC. AREA (m2)	0.00	13.75	16.00	16.38	18.38	21.06	21.44	22.25	20.33	9.45	0.00
S/AREA (m2)	0.00	26.75	31.25	32.38	35.50	41.19	42.63	44.06	43.08	30.95	33.30
TOTAL AREA (m2)	0.0	26.8	58.0	90.4	125.9	167.1	209.7	253.8	296.8	327.8	361.1
S/DISCHARGE(m3/s)	0.00	0.00	1.19	1.73	1.62	1.88	2.92	3.02	1.64	0.94	0.66
TOTAL DIS. (m3/s)	0.00	0.00	1.19	2.92	4.54	6.42	9.35	12.37	14.01	14.95	15.61
WATER LEVEL (f) :	3.02	WATER LEVEL (m) : 0.92									
TOTAL DISCHARGE :	15.61	MEAN VELOCITY(m/s) : 0.04									

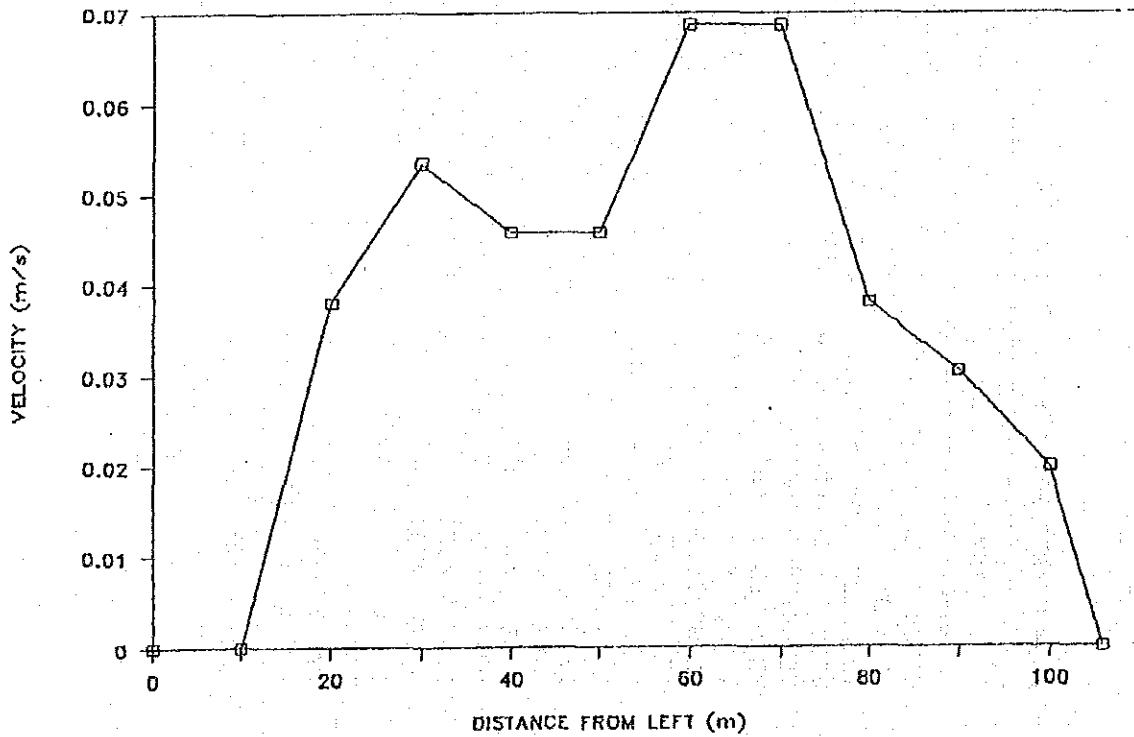
WATER DEPTH (2-250)

21/AUG/91



VELOCITY (2-250)

21/AUG/91

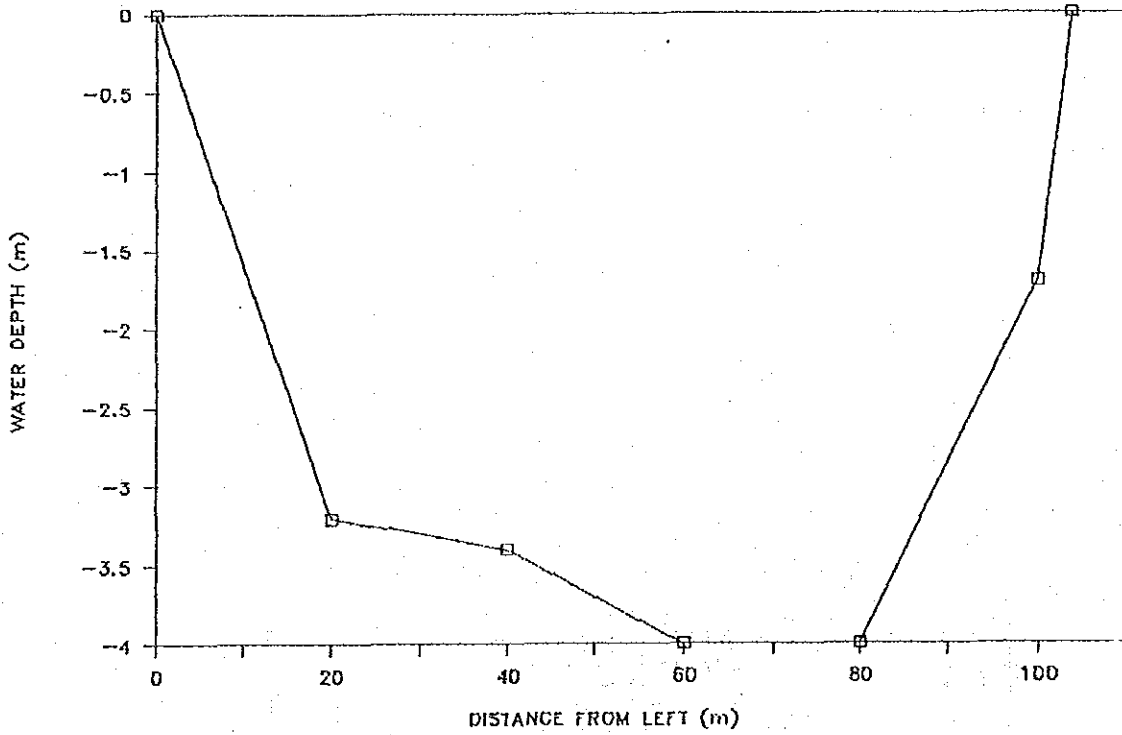


FLOW MEASUREMENT ST. : 2-250 KALABO 09/SEP/91

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-R	
WATER DEPTH (m)	0.00	3.20	3.40	4.00	4.00	1.70	0.00	
SE/WIDTH (m)	0.00	20.00	20.00	20.00	20.00	20.00	3.90	
TOTAL SE/WIDTH(m)	0.00	20.00	40.00	60.00	80.00	100.00	103.90	
VELOCITY.2-1(f/s)	0.00	0.10	0.12	0.20	0.30	0.15	0.00	
VELOCITY.2-2(f/s)	0.00	0.10	0.12	0.20	0.30	0.15	0.00	
MEAN VEL.2 (f/s)	0.00	0.10	0.12	0.20	0.30	0.15	0.00	
VELOCITY.8-1(f/s)	0.00	0.05	0.07	0.10	0.15	0.08	0.00	
VELOCITY.8-2(f/s)	0.00	0.05	0.07	0.10	0.15	0.08	0.00	
MEAN VEL.8 (f/s)	0.00	0.05	0.07	0.10	0.15	0.08	0.00	
MEAN VEL (f/s)	0.000	0.075	0.095	0.150	0.225	0.115	0.000	
MEAN VEL (m/s)	0.000	0.023	0.029	0.046	0.069	0.035	0.000	
L/MEAN DEPTH (m)	0.000	1.600	3.250	3.550	4.000	3.425	0.000	
L/MEAN WIDTH (m)	0.00	20.00	10.00	10.00	10.00	10.00	-	
L/SEC. AREA (m2)	0.00	32.00	32.50	35.50	40.00	34.25	-	
R/MEAN DEPTH (m)	0.000	3.250	3.550	4.000	3.425	0.850	-	
R/MEAN WIDTH (m)	0.00	10.00	10.00	10.00	10.00	3.90	-	
R/SEC. AREA (m2)	0.00	32.50	35.50	40.00	34.25	3.32	-	
S/AREA (m2)	0.00	64.50	68.00	75.50	74.25	37.57	-	
TOTAL AREA (m2)	0.0	64.5	132.5	208.0	282.3	319.8	-	
S/DISCHARGE (m3/s)	0.00	1.47	1.97	3.45	5.09	1.32	-	
TOTAL DIS. (m3/s)	0.00	1.47	3.44	6.90	11.99	13.30	-	
WATER LEVEL (f) :	2.46						WATER LEVEL (m) :	0.75
TOTAL DISCHARGE :	13.30						MEAN VELOCITY(m/s) :	0.04

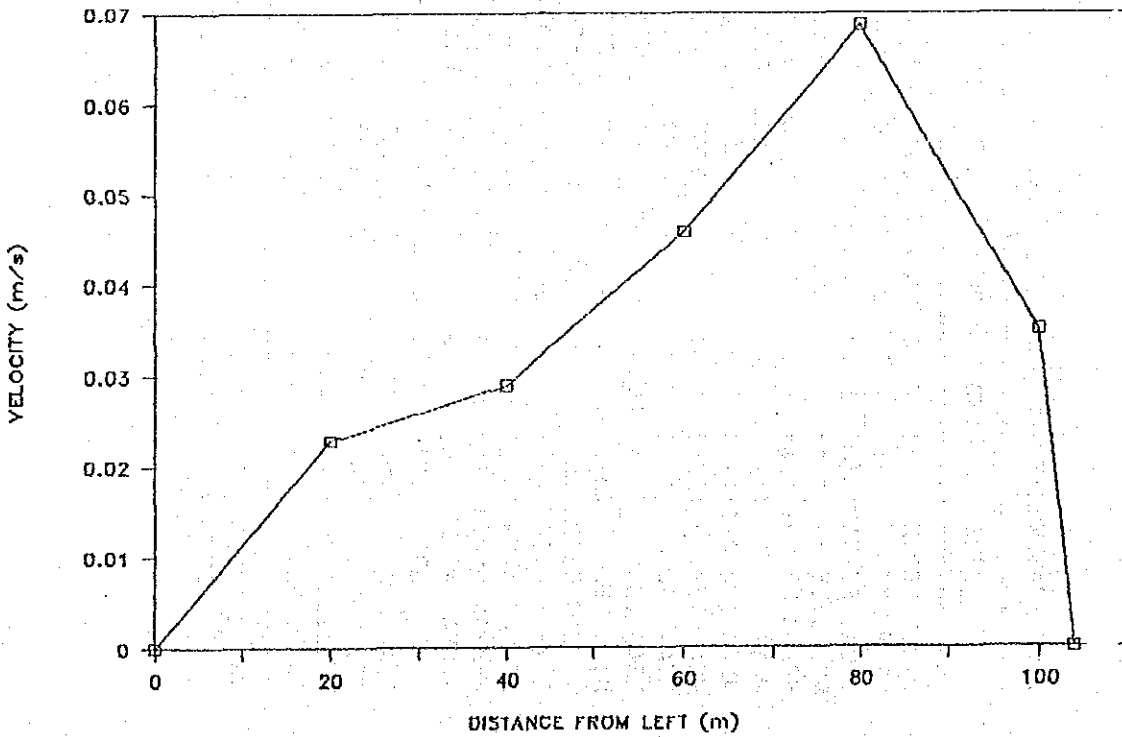
WATER DEPTH (2-250)

09/SEP/91



VELOCITY (2-250)

09/SEP/91



02/OCT/91

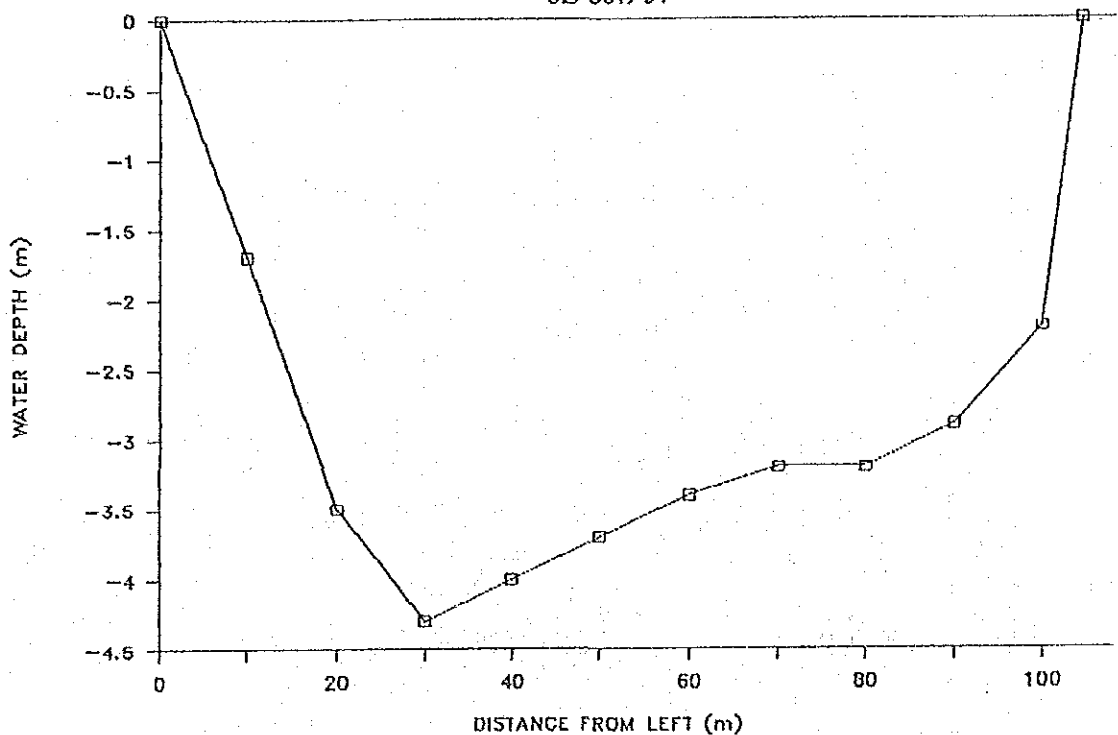
FLOW MEASUREMENT ST. : 2-250 KALABO

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	0.00	1.70	3.50	4.30	4.00	3.70	3.40	3.20	3.20	2.90	2.20	0.00
SE/WIDTH (m)	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.90
TOTAL SE/WIDTH(m)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	104.90
VELOCITY.2-1(f/s)	0.00	0.01	0.04	0.05	0.06	0.12	0.10	0.12	0.13	0.09	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.02	0.04	0.05	0.06	0.12	0.10	0.12	0.13	0.08	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.02	0.04	0.05	0.06	0.12	0.10	0.12	0.13	0.09	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.00	0.03	0.03	0.10	0.06	0.06	0.08	0.08	0.05	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.00	0.03	0.03	0.10	0.06	0.06	0.08	0.08	0.05	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.00	0.03	0.03	0.10	0.06	0.06	0.08	0.08	0.05	0.00	0.00
MEAN VEL (f/s)	0.000	0.008	0.035	0.040	0.080	0.090	0.080	0.100	0.105	0.068	0.000	0.000
MEAN VEL (m/s)	0.000	0.002	0.011	0.012	0.024	0.027	0.024	0.030	0.032	0.021	0.000	0.000
L/MEAN DEPTH (m)	0.000	0.850	2.150	3.700	4.225	3.925	3.625	3.350	3.200	3.125	2.725	0.000
L/MEAN WIDTH (m)	0.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	-
L/SEC. AREA (m2)	0.00	8.50	10.75	18.50	21.13	19.63	18.13	16.75	16.00	15.63	13.63	-
R/MEAN DEPTH (m)	0.000	2.150	3.700	4.225	3.925	3.625	3.350	3.200	3.125	2.725	1.100	-
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.90	-
R/SEC. AREA (m2)	0.00	10.75	18.50	21.13	19.63	18.13	16.75	16.00	15.63	13.63	5.39	-
S/AREA (m2)	0.00	19.25	29.25	39.63	40.75	37.75	34.88	32.75	31.63	29.25	19.02	-
TOTAL AREA (m2)	0.0	19.3	48.5	88.1	128.9	166.6	201.5	234.3	265.9	295.1	314.1	-
S/DISCHARGE(m3/s)	0.00	0.04	0.31	0.48	0.99	1.04	0.85	1.00	1.01	0.60	0.00	-
TOTAL DIS. (m3/s)	0.00	0.04	0.36	0.84	1.83	2.87	3.72	4.72	5.73	6.33	6.33	-

WATER LEVEL (f) : 1.77 WATER LEVEL (m) : 0.54
 TOTAL DISCHARGE : 6.33 MEAN VELOCITY(m/s) : 0.02

WATER DEPTH (2-250)

02/OCT/91



VELOCITY (2-250)

02/OCT/91

