

LIST OF FLOW MEASUREMENT

ST.: 4-130 SMITH'S BRIDGE

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	27-Aug-59	2.70	269	191	1.40	0.82	8	18	0.43
2	16-Sep-59	1.89	224	188	1.19	0.58	6	17	0.36
3	21-Oct-59	1.54	159	162	0.98	0.47	5	15	0.30
4	12-Nov-59	1.66	182	169	1.08	0.51	5	16	0.33
5	26-Nov-59	2.00	220	180	1.22	0.61	6	17	0.37
6	09-Dec-59	2.49	288	196	1.47	0.76	8	18	0.45
7	17-Dec-59	3.23	400	236	1.70	0.98	11	22	0.52
8	23-Dec-59	3.27	432	248	1.74	1.00	12	23	0.53
9	31-Dec-59	5.54	909	368	2.47	1.69	26	34	0.75
10	06-Jan-60	5.02	836	334	2.50	1.53	24	31	0.76
11	19-Jan-60	3.98	581	275	2.11	1.21	16	26	0.64
12	05-Feb-60	7.29	1570	622	2.52	2.22	44	58	0.77
13	16-Feb-60	10.82	3040	1320	2.30	3.30	86	123	0.70
14	25-Feb-60	12.44	3970	1660	2.36	3.79	112	154	0.72
15	22-Mar-60	16.55	6730	2670	2.52	5.04	191	248	0.77
16	30-Mar-60	14.54	5510	2160	2.55	4.43	156	201	0.78
17	09-May-60	8.42	1940	848	2.29	2.57	55	79	0.70
18	09-May-60	8.40	2110	839	2.51	2.56	60	78	0.77
19	30-May-60	6.10	1160	438	2.64	1.86	33	41	0.80
20	15-Jun-60	5.20	887	319	2.78	1.58	25	30	0.85
21	28-Jun-60	4.58	685	283	2.42	1.40	19	26	0.74
22	19-Jul-60	4.03	590	264	2.24	1.23	17	25	0.68
23	26-Jul-60	3.80	582	266	2.19	1.16	16	25	0.67
24	18-Aug-60	3.26	428	244	1.76	0.99	12	23	0.54
25	26-Aug-60	3.02	367	212	1.73	0.92	10	20	0.53
26	14-Oct-60	2.02	215	176	1.22	0.62	6	16	0.37
27	08-Nov-60	1.76	177	174	1.02	0.54	5	16	0.31
28	07-Dec-60	2.31	242	181	1.33	0.70	7	17	0.41
29	22-Dec-60	5.94	1050	428	2.44	1.81	30	40	0.74
30	13-Jan-61	6.88	1290	557	2.32	2.10	37	52	0.71
31	20-Jan-61	7.97	1730	743	2.32	2.43	49	69	0.71
32	27-Jan-61	10.20	2720	1190	2.29	3.11	77	111	0.70
33	16-Feb-61	15.06	5130	2240	2.29	4.59	145	208	0.70
34	23-Feb-61	16.05	5740	2460	2.33	4.89	163	229	0.71
35	16-Mar-61	15.50	5400	2340	2.31	4.72	153	217	0.70
36	12-Apr-61	15.40	5690	2330	2.44	4.69	161	216	0.74
37	19-Apr-61	14.98	5340	2220	2.40	4.57	151	206	0.73
38	27-Apr-61	13.53	4430	1890	2.35	4.12	125	176	0.72
39	11-May-61	11.50	3400	1450	2.34	3.51	96	135	0.71
40	17-May-61	11.00	3130	1330	2.36	3.35	89	124	0.72
41	30-May-61	9.16	2190	970	2.25	2.79	62	90	0.69
42	27-Jun-61	6.80	1340	567	2.37	2.07	38	53	0.72
43	17-Jul-61	5.74	1020	400	2.56	1.75	29	37	0.78
44	25-Jul-61	5.45	981	367	2.67	1.66	28	34	0.81
45	15-Aug-61	4.60	729	285	2.56	1.40	21	26	0.78
46	23-Aug-61	4.34	668	273	2.44	1.32	19	25	0.74
47	13-Sep-61	3.51	510	241	2.12	1.07	14	22	0.65
48	27-Sep-61	3.00	371	213	1.74	0.91	11	20	0.53
49	06-Oct-61	2.71	331	203	1.63	0.83	9	19	0.50
50	11-Oct-61	2.57	299	195	1.53	0.78	8	18	0.47

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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	18-Oct-61	2.39	277	189	1.47	0.73	8	18	0.45
52	01-Nov-61	2.74	331	203	1.63	0.84	9	19	0.50
53	09-Nov-61	4.02	530	264	2.10	1.23	15	25	0.64
54	22-Nov-61	6.49	1190	476	2.49	1.98	34	44	0.76
55	12-Dec-61	8.35	1710	783	2.18	2.55	48	73	0.66
56	19-Dec-61	11.08	2860	1340	2.13	3.38	81	124	0.65
57	04-Jan-62	12.10	3360	1540	2.18	3.69	95	143	0.66
58	12-Jan-62	15.00	4980	2210	2.25	4.57	141	205	0.69
59	23-Jan-62	14.66	4920	2140	2.30	4.47	139	199	0.70
60	01-Feb-62	16.89	6550	2720	2.41	5.15	185	253	0.73
61	05-Feb-62	18.38	7590	3100	2.45	5.60	215	288	0.75
62	09-Feb-62	20.01	9300	3550	2.62	6.10	263	330	0.80
63	19-Feb-62	17.95	7400	3000	2.46	5.47	210	279	0.75
64	13-Mar-62	21.76	11800	4050	2.91	6.63	334	376	0.89
65	08-May-62	17.39	7290	2900	2.52	5.30	206	269	0.77
66	16-May-62	16.23	6470	2560	2.52	4.95	183	238	0.77
67	30-May-62	14.08	4890	2020	2.42	4.29	138	188	0.74
68	19-Jun-62	11.36	3270	1440	2.27	3.46	93	134	0.69
69	19-Mar-63	19.89	8660	3390	2.56	6.06	245	315	0.78
70	10-Aug-66	4.00	568	247	2.30	1.22	16	23	0.70
71	15-Jan-71	17.66	6600	2427	2.72	5.38	187	225	0.83
72	29-Jan-71	19.53	7850	3040	2.58	5.95	222	282	0.79
73	14-Feb-71	19.66	8030	3009	2.67	5.99	227	280	0.81
74	13-Sep-71	5.88	888	359	2.48	1.79	25	33	0.76
75	08-Oct-71	4.72	603	287	2.09	1.44	17	27	0.64
76	15-Oct-71	4.43	514	273	1.88	1.35	15	25	0.57
77	22-Nov-71	6.72	1006	435	2.31	2.05	28	40	0.70
78	16-Dec-71	7.65	845	373	2.27	2.33	24	35	0.69
79	07-Apr-72	18.55	7328	2851	2.57	5.65	208	265	0.78
80	09-May-72	13.99	4611	1854	2.90	4.26	131	172	0.88
81	06-Sep-72	6.00	947	350	2.70	1.83	27	33	0.82
82	04-May-73	7.80	1191	484	2.46	2.38	34	45	0.75
83	15-May-73	6.43	947	422	2.24	1.96	27	39	0.68
84	22-May-73	5.86	748	334	2.24	1.79	21	31	0.68
85	29-May-73	5.48	724	350	2.07	1.67	21	33	0.63
86	04-Jun-73	5.25	670	331	2.02	1.60	19	31	0.62
87	13-Jun-73	4.91	579	201	1.93	1.50	16	19	0.59
88	21-Jun-73	4.77	524	304	1.72	1.45	15	28	0.52
89	29-Jun-73	4.49	574	306	1.68	1.37	16	28	0.51
90	05-Jul-73	4.40	471	287	1.64	1.34	13	27	0.50
91	12-Jul-73	4.31	442	259	1.71	1.31	13	24	0.52
92	17-Jul-73	4.20	394	239	1.65	1.28	11	22	0.50
93	24-Jul-73	4.15	386	256	1.51	1.26	11	24	0.46
94	31-Jul-73	4.01	410	256	1.60	1.22	12	24	0.49
95	15-Aug-73	3.77	247	239	1.03	1.15	7	22	0.31
96	20-Aug-73	3.68	442	246	1.80	1.12	13	23	0.55
97	27-Aug-73	3.56	342	228	1.50	1.09	10	21	0.46
98	13-Sep-73	3.19	272	222	1.23	0.97	8	21	0.37
99	17-Sep-73	3.26	273	203	1.34	0.99	8	19	0.41
100	24-Sep-73	3.11	247	201	1.23	0.95	7	19	0.37

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101	01-Oct-73	3.01	236	213	1.11	0.92	7	20	0.34
102	09-Oct-73	3.04	255	201	1.27	0.93	7	19	0.39
103	15-Oct-73	2.82	229	195	1.17	0.86	6	18	0.36
104	29-Oct-73	2.60	213	192	1.11	0.79	6	18	0.34
105	02-Nov-73	3.38	293	227	1.29	1.03	8	21	0.39
106	12-Nov-73	4.57	424	255	1.66	1.39	12	24	0.51
107	19-Nov-73	4.30	347	232	1.49	1.31	10	22	0.45
108	26-Nov-73	3.99	396	241	1.65	1.22	11	22	0.50
109	03-Dec-73	3.85	313	199	1.57	1.17	9	18	0.48
110	10-Dec-73	4.61	424	254	1.67	1.41	12	24	0.51
111	19-Dec-73	4.71	516	284	1.82	1.44	15	26	0.55
112	31-Dec-73	5.80	822	395	2.11	1.77	23	37	0.64
113	15-Jan-74	9.17	1448	772	1.88	2.80	41	72	0.57
114	21-Jan-74	8.26	1233	643	1.92	2.52	35	60	0.59
115	30-Jan-74	9.97	1627	967	1.68	3.04	46	90	0.51
116	08-Feb-74	11.37	2297	1262	1.78	3.47	65	117	0.54
117	13-Feb-74	10.52	1974	1026	1.92	3.21	56	95	0.59
118	26-Feb-74	12.92	2705	1613	1.68	3.94	77	150	0.51
119	11-Mar-74	15.05	4467	2042	2.19	4.59	126	190	0.67
120	29-Mar-74	13.92	3358	1877	1.79	4.24	95	174	0.55
121	17-Apr-74	13.91	3922	1816	2.16	4.24	111	169	0.66
122	26-Apr-74	12.75	2592	1329	1.95	3.89	73	123	0.59
123	06-May-74	10.95	2319	1094	2.12	3.34	66	102	0.65
124	25-May-74	9.78	1797	763	2.36	2.98	51	71	0.72
125	13-Jun-74	8.00	1290	502	2.57	2.44	37	47	0.78
126	09-Jul-74	6.51	804	390	2.06	1.98	23	36	0.63
127	07-Aug-74	5.40	681	352	1.94	1.65	19	33	0.59
128	05-Nov-74	2.79	216	198	1.09	0.85	6	18	0.33
129	18-Nov-74	2.48	201	178	1.13	0.76	6	17	0.34
130	31-Jan-75	12.20	2190	1202	1.82	3.72	62	112	0.55
131	03-Feb-75	11.64	2208	1168	1.89	3.55	63	109	0.53
132	07-Feb-75	15.32	4315	2079	2.08	4.67	122	193	0.63
133	12-Feb-75	14.91	3882	1995	1.95	4.54	110	185	0.59
134	19-Feb-75	12.55	2738	1454	1.88	3.83	78	135	0.57
135	28-Feb-75	13.00	3191	1698	1.89	3.96	90	158	0.58
136	17-Mar-75	21.45	9704	4032	2.41	6.54	275	375	0.73
137	01-Apr-75	18.35	6661	3012	2.21	5.59	189	280	0.67
138	21-Apr-75	17.02	4968	2677	1.85	5.19	141	249	0.56
139	11-Jun-75	9.40	1727	847	2.04	2.87	49	79	0.62
140	11-Jul-75	7.49	1173	571	2.05	2.28	33	53	0.62
141	25-Jul-75	6.73	1091	477	2.29	2.05	31	44	0.70
142	25-Aug-75	5.70	734	374	1.96	1.74	21	35	0.60
143	26-Sep-75	4.38	475	273	1.74	1.34	13	25	0.53
144	23-Oct-75	3.90	394	249	1.58	1.19	11	23	0.48
145	10-Nov-75	3.18	243	225	1.08	0.97	7	21	0.33
146	19-Nov-75	3.81	341	251	1.36	1.16	10	23	0.41
147	04-Dec-75	4.48	473	262	1.81	1.37	13	24	0.55
148	29-Dec-75	10.14	1880	1420	1.33	3.09	53	132	0.41
149	16-Jan-76	16.03	3820	2460	1.55	4.89	108	229	0.47
150	29-Jan-76	17.14	5380	2760	1.95	5.22	152	256	0.59

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		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
151	19-Feb-76	18.30	6320	3080	2.05	5.58	179	286	0.62
152	16-Mar-76	19.72	7640	3438	2.22	6.01	216	319	0.68
153	22-Mar-76	20.79	9060	3770	2.40	6.34	257	350	0.73
154	02-Apr-76	20.79	9154	3721	2.46	6.34	259	346	0.75
155	12-Apr-76	23.18	13200	4315	3.06	7.07	374	401	0.93
156	21-Apr-76	20.52	9180	3670	2.50	6.25	260	341	0.76
157	14-May-76	18.02	6994	3040	2.30	5.49	198	282	0.70
158	01-Jun-76	14.98	4490	2270	1.98	4.57	127	211	0.60
159	26-Jul-76	9.65	2002	1023	1.96	2.94	57	95	0.60
160	02-Aug-76	9.20	1758	941	1.87	2.80	50	87	0.57
161	07-Sep-76	7.40	1142	507	2.25	2.26	32	47	0.69
162	07-Oct-76	5.80	775	405	1.91	1.77	22	38	0.58
163	11-Nov-76	6.22	876	430	2.04	1.90	25	40	0.62
164	28-Dec-76	11.10	2196	1239	1.77	3.38	62	115	0.54
165	19-Jan-77	12.62	3060	1590	1.93	3.85	87	148	0.59
166	11-Feb-77	15.60	4662	2260	2.06	4.75	132	210	0.63
167	18-Feb-77	15.73	4630	2440	1.90	4.79	131	227	0.58
168	03-Mar-77	20.93	9370	3760	2.49	6.38	265	349	0.76
169	13-Apr-77	18.70	7452	3121	2.39	5.70	211	290	0.73
170	03-May-77	15.38	8410	2260	2.13	4.69	238	210	0.65
171	06-Jun-77	10.63	2270	1100	2.06	3.24	64	102	0.63
172	06-Jul-77	8.67	1758	774	2.27	2.64	50	72	0.69
173	11-Aug-77	7.10	1048	435	2.14	2.16	30	40	0.65
174	20-Sep-77	5.44	745	368	2.02	1.66	21	34	0.62
175	26-Oct-77	5.00	395	247	1.60	1.52	11	23	0.49
176	01-Nov-77	6.71	364	244	1.49	2.05	10	23	0.45
177	21-Dec-77	12.06	2590	1260	2.06	3.68	73	117	0.63
178	23-Feb-78	21.51	11984	3534	3.39	6.56	339	328	1.03
179	06-Mar-78	21.55	12342	3854	3.20	6.57	349	358	0.98
180	10-May-78	18.24	7824	2801	2.79	5.56	222	260	0.85
181	13-Jul-78	11.05	2456	1041	2.36	3.37	70	97	0.72
182	04-Jun-80	12.17	3203	1468	2.18	3.71	91	136	0.66
183	15-Sep-80	6.30	785	434	1.81	1.92	22	40	0.55
184	08-Oct-80	5.18	566	314	1.80	1.58	16	29	0.55
185	13-Nov-80	4.63	516	252	2.05	1.41	15	23	0.62
186	05-Dec-80	6.25	762	363	2.10	1.91	22	34	0.64
187	06-Jan-81	9.11	1629	778	2.11	2.78	46	72	0.64
188	02-Feb-81	12.33	3343	1422	2.35	3.76	95	132	0.72
189	10-Mar-81	19.47	8066	3169	2.55	5.93	228	294	0.78
190	06-Apr-81	17.71	6899	2754	2.51	5.40	195	256	0.77
191	04-May-81	14.51	4285	1628	2.63	4.42	121	151	0.80
192	12-Jul-81	6.62	992	435	2.29	2.02	28	40	0.70
193	16-Jul-81	7.45	1209	524	2.31	2.27	34	49	0.70
194	08-Sep-81	5.50	735	368	2.00	1.68	21	34	0.61
195	16-Oct-81	4.09	724	264	1.60	1.25	21	25	0.49
196	13-Nov-81	3.58	340	229	1.49	1.09	10	21	0.45
197	18-Dec-81	5.84	748	357	2.10	1.78	21	33	0.64
198	07-Jan-82	5.90	730	343	2.13	1.80	21	32	0.65
199	03-Mar-82	15.51	4911	2269	2.16	4.73	139	211	0.66
200	11-Jun-82	7.20	1273	454	2.80	2.19	36	42	0.85

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		H (f)	Q (f3/s)	A (f2)	V (f/s)	H (m)	Q (m3/s)	A (m2)	V (m/s)
201	09-Jul-82	5.70	775	361	2.13	1.74	22	34	0.65
202	30-Aug-82	4.44	516	279	1.85	1.35	15	26	0.56
203	22-Oct-82	5.59	704	319	2.21	1.70	20	30	0.67
204	15-Nov-82	4.33	455	267	1.70	1.32	13	25	0.52
205	08-Dec-82	9.57	1832	741	2.47	2.92	52	69	0.75
206	20-Jan-83	12.00	2689	1358	1.91	3.66	76	126	0.58
207	08-Apr-83	16.41	6160	2489	2.46	5.00	174	231	0.75
208	07-Jun-83	7.00	1245	542	2.30	2.13	35	50	0.70
209	14-Jul-83	5.85	895	358	2.50	1.78	25	33	0.76
210	09-Aug-83	5.18	604	304	1.99	1.58	17	28	0.61
211	07-Sep-83	4.29	438	231	1.90	1.31	12	21	0.58
212	07-Oct-83	3.45	243	161	1.51	1.05	7	15	0.46
213	02-Dec-83	4.78	347	183	1.90	1.46	10	17	0.58
214	21-Jun-84	5.38	688	350	1.97	1.64	19	33	0.60
215	10-May-85	13.10	2880	1613	1.77	3.99	82	150	0.54
216	23-Apr-86	21.99	10055	3585	2.81	6.70	285	333	0.86
217	30-Apr-87	13.40	3388	1402	2.43	4.08	96	130	0.74
218	19-Jun-90	6.59	996	446	2.23	2.01	28	41	0.68
219	16-Jul-90	4.89	552	306	1.80	1.49	16	28	0.55
220	21-Aug-90	3.94	388	251	1.54	1.20	11	23	0.47
221	13-Oct-90	2.89	228	199	1.15	0.88	6	18	0.35
222	06-Nov-90	2.66	168	170	0.98	0.81	5	16	0.30
223	21-Dec-90	4.23	320	212	1.51	1.29	9	20	0.46
224	15-Jan-91	12.76	2501	1439	1.74	3.89	71	134	0.53
225	13-Feb-91	17.32	5853	2703	2.17	5.28	166	251	0.66
226	08-Mar-91	17.88	5799	2806	2.07	5.45	164	261	0.63
227	29-Aug-91	4.40	465	273	1.71	1.34	13	25	0.52
228	17-Sep-91	3.67	379	262	1.44	1.12	11	24	0.44
229	19-Oct-91	3.97	403	273	1.48	1.21	11	25	0.45
230	25-Nov-91	4.23	361	229	1.57	1.29	10	21	0.48

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

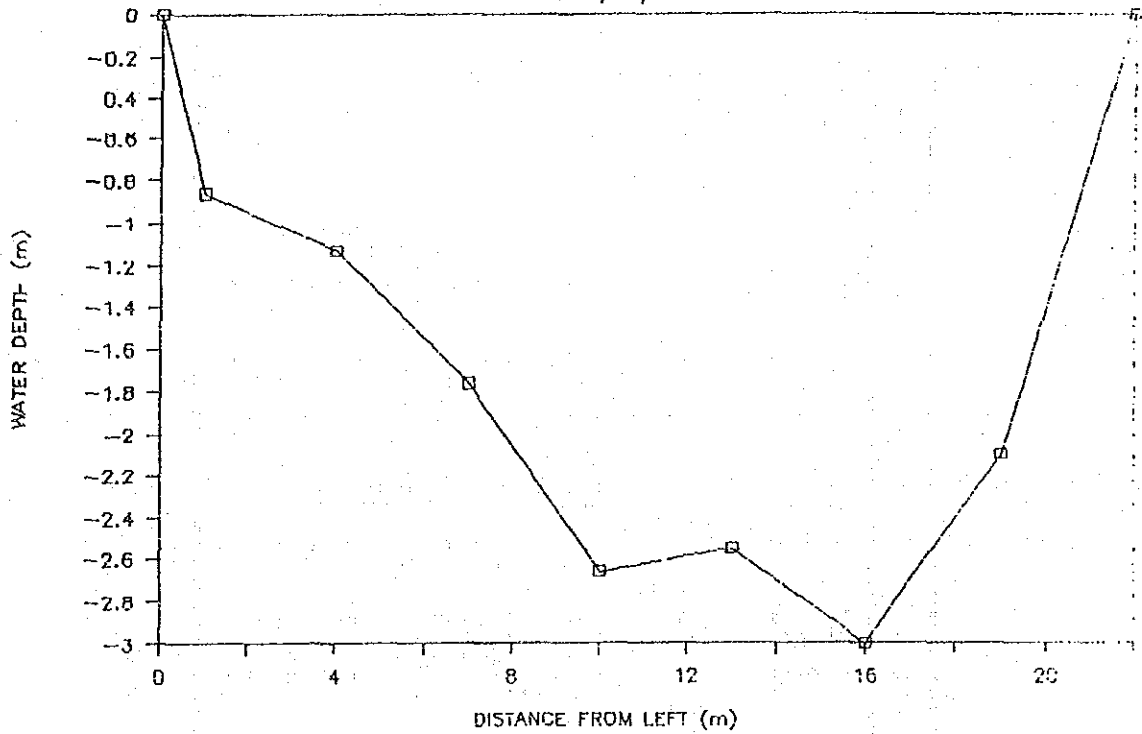
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE JUN./19/90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-R
WATER DEPTH (m)	0.00	0.86	1.13	1.76	2.55	2.55	3.00	2.10	0.00
SE/WIDTH (m)	0.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
TOTAL SE/WIDTH(m)	0.00	1.00	4.00	7.00	10.00	13.00	16.00	19.00	22.00
VELOCITY.2-1(f/s)	--	--	--	--	--	--	--	--	--
VELOCITY.2-2(f/s)	--	--	--	--	--	--	--	--	--
MEAN VEL.2 (f/s)	--	--	--	2.24	3.19	3.87	2.61	1.15	--
VELOCITY.8-1(f/s)	--	--	--	--	--	--	--	--	--
VELOCITY.8-2(f/s)	--	--	--	--	--	--	--	--	--
MEAN VEL.8 (f/s)	--	--	--	1.73	2.55	2.67	2.33	0.84	--
MEAN VEL (f/s)	--	0.43	1.69	1.99	2.87	3.27	2.47	1.00	--
MEAN VEL (m/s)	0.000	0.131	0.515	0.605	0.875	0.937	0.753	0.303	--
L/MEAN DEPTH (m)	0.000	0.430	1.063	1.603	2.435	2.578	2.888	2.325	--
L/MEAN WIDTH (m)	0.00	1.00	1.50	1.50	1.50	1.50	1.50	1.50	--
L/SEC. AREA (m2)	0.00	0.43	1.59	2.40	3.65	3.87	4.33	3.49	--
R/MEAN DEPTH (m)	0.000	0.928	1.288	1.985	2.633	2.663	2.775	1.050	--
R/MEAN WIDTH (m)	0.00	1.50	1.50	1.50	1.50	1.50	1.50	3.00	--
R/SEC. AREA (m2)	0.00	1.39	1.93	2.98	3.95	3.99	4.16	3.15	--
S/AREA (m2)	0.00	1.82	3.53	5.38	7.50	7.86	8.49	6.54	--
TOTAL AREA (m2)	0.0	1.8	5.3	10.7	18.3	26.2	34.7	41.3	--
S/DISCHARGE(m3/s)	0.00	0.24	1.82	3.25	6.65	7.83	6.39	2.01	--
TOTAL DIS. (m3/s)	0.00	0.24	2.05	5.31	11.96	19.79	26.19	28.20	--

WATER LEVEL (f) : 6.58 WATER LEVEL (m) : 2.01
 TOTAL DISCHARGE : 28.20 MEAN VELOCITY(m/s) : 0.58

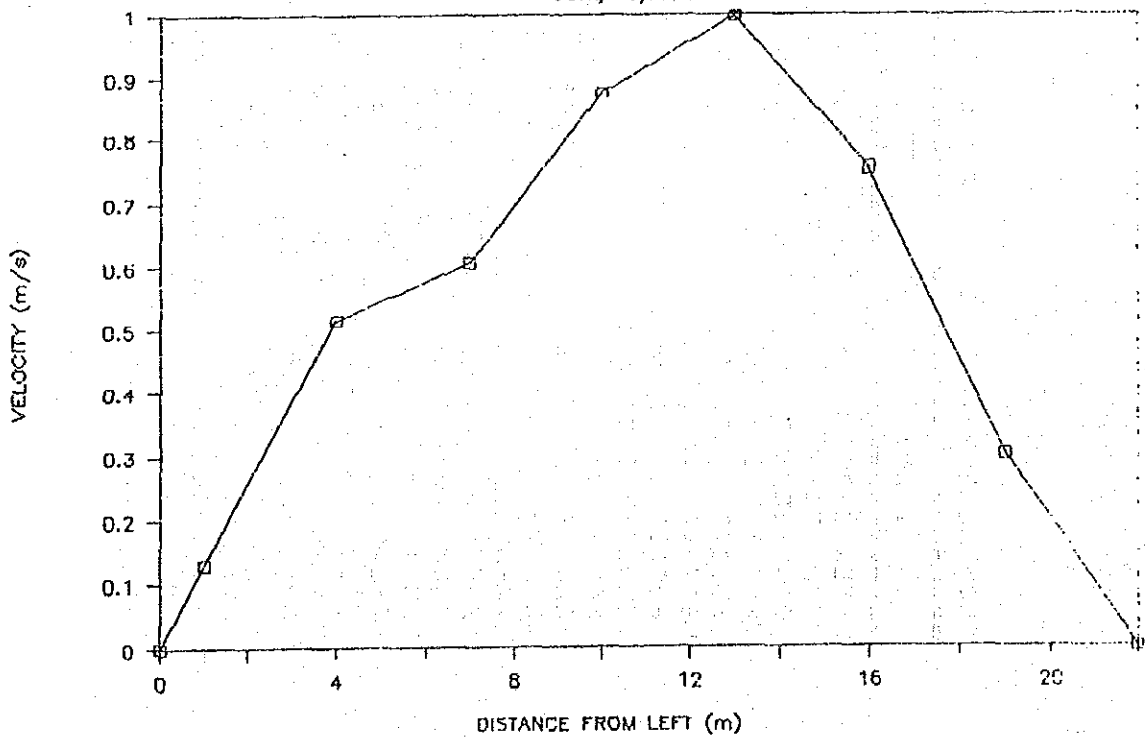
WATER DEPTH (4-130)

JUN./19/90



VELOCITY (4-130)

JUN./19/90



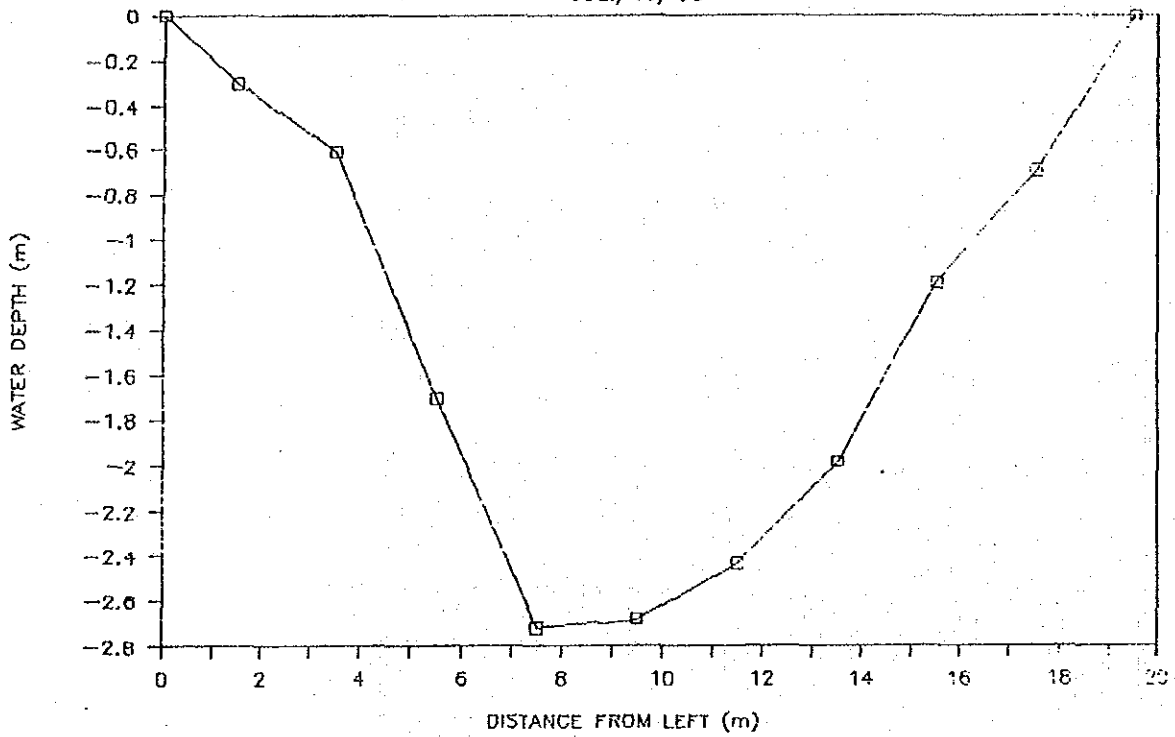
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE JUL./16/'90

ITEMS	NO-L	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	0.30	0.61	1.70	2.72	2.68	2.43	1.98	1.19	0.70	0.00
SE/WIDTH (m)	0.00	1.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	0.00	1.50	3.50	5.50	7.50	9.50	11.50	13.50	15.50	17.50	19.50
VELOCITY.2-1(f/s)	0.00	1.00	0.60	1.35	2.25	2.65	2.90	1.30	1.10	0.40	0.00
VELOCITY.2-2(f/s)	0.00	1.00	0.60	1.35	2.25	2.65	2.90	1.30	1.10	0.40	0.00
MEAN VEL.2 (f/s)	0.00	1.00	0.60	1.35	2.25	2.65	2.90	1.30	1.10	0.40	0.00
VELOCITY.8-1(f/s)	0.00	0.90	0.35	1.05	1.90	2.20	2.95	1.52	0.80	0.25	0.00
VELOCITY.8-2(f/s)	0.00	0.90	0.35	1.05	1.90	2.20	2.95	1.52	0.80	0.25	0.00
MEAN VEL.8 (f/s)	0.00	0.90	0.35	1.05	1.90	2.20	2.95	1.52	0.80	0.25	0.00
MEAN VEL (f/s)	0.00	0.95	0.48	1.20	2.08	2.43	2.93	1.41	0.95	0.33	0.00
MEAN VEL (m/s)	0.000	0.290	0.145	0.366	0.632	0.739	0.892	0.430	0.290	0.099	0.000
L/MEAN DEPTH (m)	0.000	0.150	0.533	1.428	2.465	2.690	2.493	2.093	1.388	0.823	-
L/MEAN WIDTH (m)	0.00	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.00	0.23	0.53	1.43	2.47	2.69	2.49	2.09	1.39	0.82	-
R/MEAN DEPTH (m)	0.000	0.378	0.883	1.955	2.710	2.618	2.318	1.783	1.068	0.350	-
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	-
R/SEC. AREA (m2)	0.00	0.38	0.88	1.96	2.71	2.62	2.32	1.78	1.07	0.70	-
S/AREA (m2)	0.00	0.60	1.42	3.38	5.18	5.31	4.81	3.88	2.46	1.52	-
TOTAL AREA (m2)	0.0	0.6	2.0	5.4	10.6	15.9	20.7	24.6	27.0	28.5	-
S/DISCHARGE(m3/s)	0.00	0.17	0.20	1.24	3.27	3.92	4.29	3.67	0.71	0.15	-
TOTAL DIS. (m3/s)	0.00	0.17	0.38	1.62	4.89	8.81	13.10	14.77	15.48	15.63	-

WATER LEVEL (f) : 4.88 WATER LEVEL (m) : 1.49
 TOTAL DISCHARGE : 15.63 MEAN VELOCITY(m/s) : 0.55

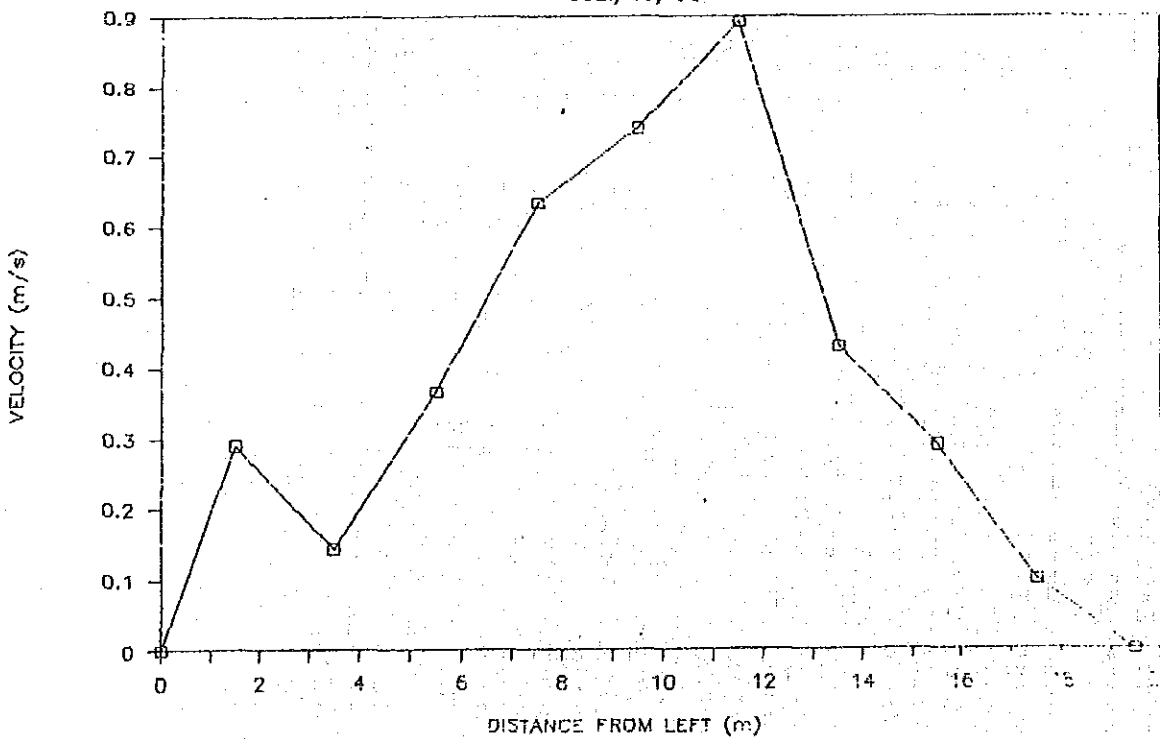
WATER DEPTH (4-130)

JUL./16/90



VELOCITY (4-130)

JUL./16/90



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE AUG./21/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	0.00	0.37	0.60	1.30	1.72	2.34	2.30	2.30	2.21	2.00
SE/WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	0.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
VELOCITY.2-1(f/s)	0.00	0.50	0.85	1.50	1.85	2.10	2.49	2.50	2.50	2.48
VELOCITY.2-2(f/s)	0.00	0.50	0.85	1.50	1.85	2.10	2.49	2.50	2.50	2.48
MEAN VEL.2 (f/s)	0.00	0.50	0.85	1.50	1.85	2.10	2.49	2.50	2.50	2.48
VELOCITY.8-1(f/s)	0.00	0.45	0.60	1.10	1.70	1.81	1.60	1.55	1.55	1.40
VELOCITY.8-2(f/s)	0.00	0.45	0.60	1.10	1.70	1.81	1.60	1.55	1.55	1.40
MEAN VEL.8 (f/s)	0.00	0.45	0.60	1.10	1.70	1.81	1.60	1.55	1.55	1.40
MEAN VEL (f/s)	0.00	0.48	0.73	1.30	1.78	1.96	2.05	2.03	2.03	1.94
MEAN VEL (m/s)	0.000	0.145	0.221	0.396	0.541	0.596	0.623	0.617	0.617	0.591
L/MEAN DEPTH (m)	0.000	0.308	0.543	1.125	1.615	2.185	2.310	2.300	2.233	2.053
L/MEAN WIDTH (m)	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
L/SEC. AREA (m2)	0.00	0.06	0.27	0.56	0.81	1.09	1.16	1.15	1.12	1.03
R/MEAN DEPTH (m)	0.000	0.183	0.428	0.775	1.405	2.330	2.300	2.278	2.158	1.988
R/MEAN WIDTH (m)	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
R/SEC. AREA (m2)	0.00	0.09	0.21	0.39	0.94	1.17	1.15	1.14	1.08	0.99
S/AREA (m2)	0.00	0.15	0.66	1.27	1.75	2.26	2.31	2.29	2.20	2.02
TOTAL AREA (m2)	0.0	0.2	0.5	1.2	4.2	6.4	8.8	11.0	13.2	15.3
S/DISCHARGE(m3/s)	0.00	0.05	0.15	0.50	0.94	1.35	1.44	1.41	1.35	1.19
TOTAL DIS. (m3/s)	0.00	0.05	0.20	0.70	1.64	2.99	4.43	5.84	7.19	8.39

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

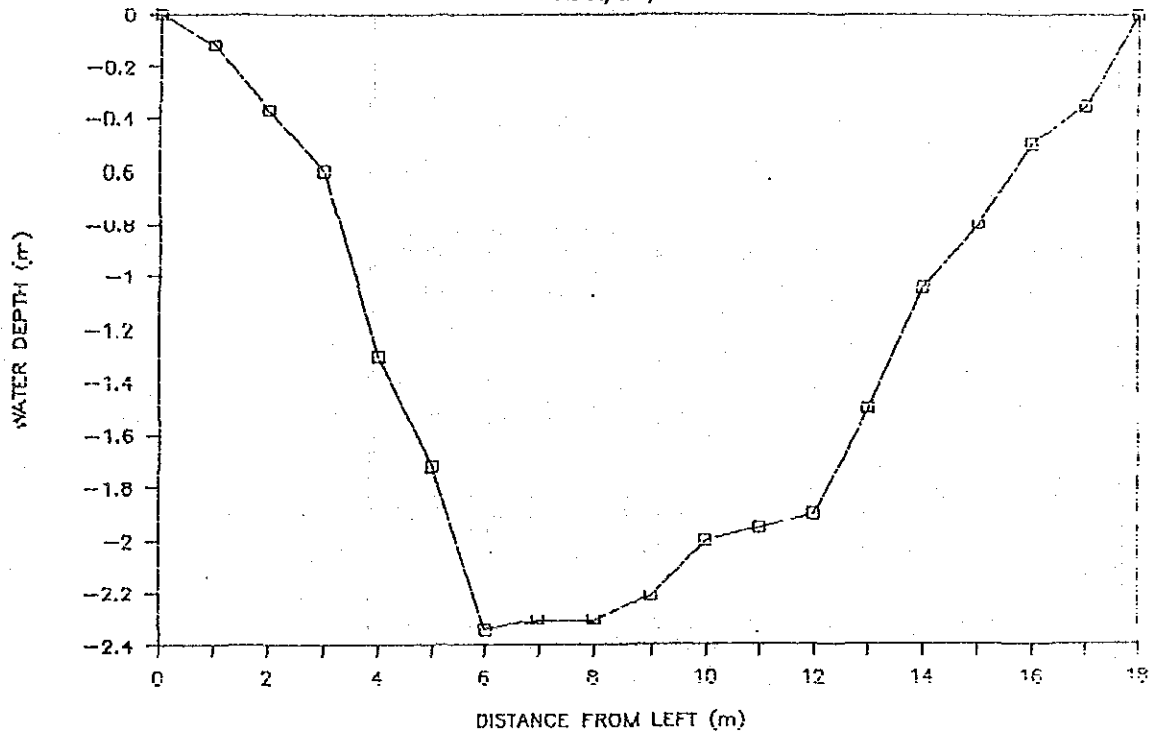
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE AUG./21/'90

ITEMS	NO-11	NO-12	NO-13	NO-14	NO-15	NO-16	NO-17	NO-R
WATER DEPTH (m)	1.95	1.90	1.50	1.04	0.80	0.50	0.35	0.00
SE/WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00
VELOCITY.2-1(f/s)	2.10	1.50	0.95	0.90	0.80	0.40	0.00	0.00
VELOCITY.2-2(f/s)	2.10	1.50	0.95	0.90	0.80	0.40	0.00	0.00
MEAN VEL.2 (f/s)	2.10	1.50	0.95	0.90	0.80	0.40	0.00	0.00
VELOCITY.8-1(f/s)	1.40	0.90	0.85	0.60	0.55	0.35	0.00	0.00
VELOCITY.8-2(f/s)	1.40	0.90	0.85	0.60	0.55	0.35	0.00	0.00
MEAN VEL.8 (f/s)	1.40	0.90	0.85	0.60	0.55	0.35	0.00	0.00
MEAN VEL (f/s)	1.75	1.20	0.90	0.75	0.68	0.38	0.00	0.00
MEAN VEL (m/s)	0.533	0.368	0.274	0.229	0.206	0.114	0.000	0.000
L/MEAN DEPTH (m)	1.963	1.913	1.600	1.155	0.860	0.575	0.388	-
L/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-
L/SEC. AREA (m2)	0.98	0.96	0.80	0.58	0.43	0.29	0.19	-
R/MEAN DEPTH (m)	1.938	1.800	1.385	0.980	0.725	0.463	0.175	-
R/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	0.50	1.00	-
R/SEC. AREA (m2)	0.97	0.90	0.69	0.49	0.36	0.23	0.19	-
S/AREA (m2)	1.95	1.86	1.49	1.07	0.79	0.52	0.37	-
TOTAL AREA (m2)	17.2	19.1	20.6	21.8	22.4	22.9	23.3	-
S/DISCHARGE(m3/s)	1.04	0.68	0.41	0.24	0.18	0.06	0.00	-
TOTAL DIS. (m3/s)	9.43	10.11	10.52	10.76	10.92	10.98	10.98	-

WATER LEVEL (f) : 3.95 WATER LEVEL (m) : 1.20
 TOTAL DISCHARGE : 10.98 MEAN VELOCITY(m/s) : 0.47

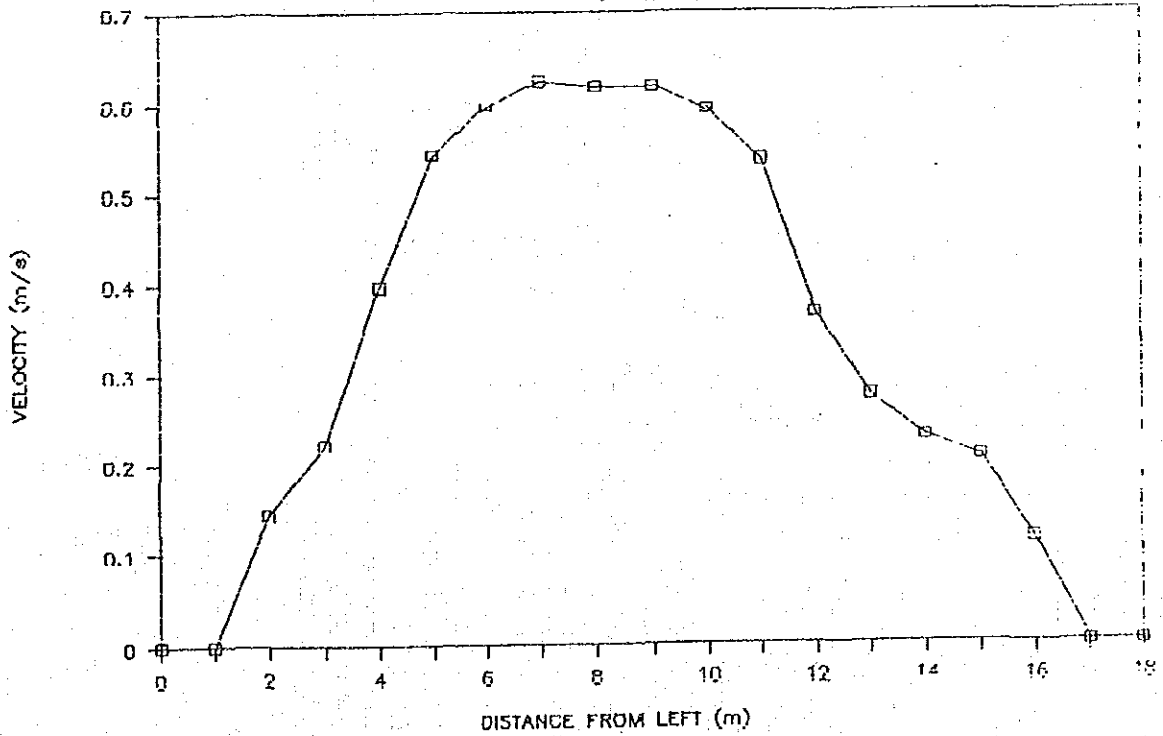
WATER DEPTH (4-130)

AUG./21/80



VELOCITY (4-130)

AUG./21/80



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE OCT. /13/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	1.04	1.87	1.88	2.04	2.03	1.92	1.81	1.74	1.69	1.25
SE/WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
VELOCITY.2-1(f/s)	1.20	1.00	1.15	1.30	1.80	1.70	1.70	1.50	1.10	0.85
VELOCITY.2-2(f/s)	1.20	1.00	1.15	1.30	1.80	1.70	1.70	1.50	1.10	0.85
MEAN VEL.2 (f/s)	1.20	1.00	1.15	1.30	1.80	1.70	1.70	1.50	1.10	0.85
VELOCITY.8-1(f/s)	0.90	0.95	0.80	0.95	1.40	1.50	1.30	0.80	0.75	0.70
VELOCITY.8-2(f/s)	0.90	0.95	0.80	0.95	1.40	1.50	1.30	0.80	0.75	0.70
MEAN VEL.8 (f/s)	0.90	0.95	0.80	0.95	1.40	1.50	1.30	0.80	0.75	0.70
MEAN VEL (f/s)	1.05	0.98	0.98	1.13	1.60	1.60	1.50	1.15	0.93	0.78
MEAN VEL (m/s)	0.320	0.297	0.297	0.343	0.488	0.488	0.457	0.351	0.282	0.236
L/MEAN DEPTH (m)	0.520	1.663	1.878	2.000	2.032	1.948	1.838	1.758	1.703	1.360
L/MEAN WIDTH (m)	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
L/SEC. AREA (m2)	0.52	0.83	0.94	1.00	1.02	0.97	0.92	0.88	0.85	0.68
R/MEAN DEPTH (m)	1.248	1.873	1.920	2.038	2.003	1.893	1.793	1.728	1.580	1.168
R/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
R/SEC. AREA (m2)	0.62	0.94	0.96	1.02	1.00	0.95	0.90	0.86	0.79	0.58
S/AREA (m2)	1.14	1.77	1.90	2.02	2.02	1.92	1.82	1.74	1.64	1.26
TOTAL AREA (m2)	1.1	2.9	4.8	6.8	8.8	10.8	12.6	14.3	16.0	17.2
S/DISCHARGE(m3/s)	0.37	0.53	0.56	0.69	0.98	0.94	0.83	0.61	0.46	0.30
TOTAL DIS. (m3/s)	0.37	0.89	1.46	2.15	3.13	4.07	4.90	5.51	5.97	6.27

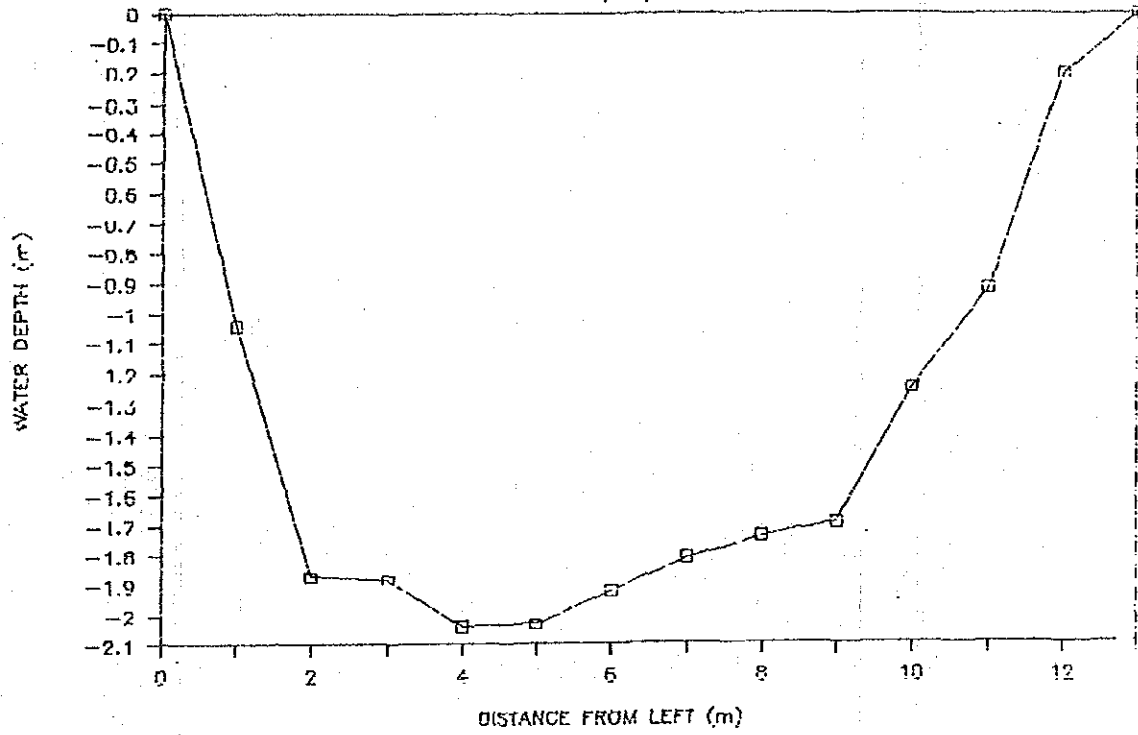
WATER LEVEL (f) : -
 TOTAL DISCHARGE : -
 WATER LEVEL (m) : -
 MEAN VELOCITY(m/s) : -

FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE OCT./13/'90

ITEMS	NO-11	NO-12	NO-R
WATER DEPTH (m)	0.92	0.20	0.00
SE/WIDTH (m)	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	11.00	12.00	13.00
VELOCITY.2-1(f/s)	0.67	-	0.00
VELOCITY.2-2(f/s)	0.67	-	0.00
MEAN VEL.2 (f/s)	0.67	-	0.00
VELOCITY.8-1(f/s)	0.50	0.75	0.00
VELOCITY.8-2(f/s)	0.50	0.75	0.00
MEAN VEL.8 (f/s)	0.50	0.75	0.00
MEAN VEL (f/s)	0.59	0.75	0.00
MEAN VEL (m/s)	0.178	0.229	0.000
L/MEAN DEPTH (m)	1.003	0.380	-
L/MEAN WIDTH (m)	0.50	0.50	-
L/SEC. AREA (m2)	0.50	0.19	-
R/MEAN DEPTH (m)	0.740	0.100	-
R/MEAN WIDTH (m)	0.50	1.00	-
R/SEC. AREA (m2)	0.37	0.10	-
S/AREA (m2)	0.87	0.29	-
TOTAL AREA (m2)	18.1	18.4	-
S/DISCHARGE(m3/s)	0.16	0.07	-
TOTAL DIS. (m3/s)	6.43	6.53	-
WATER LEVEL (f) :	2.89		WATER LEVEL (m) : 0.88
TOTAL DISCHARGE :	6.53		MEAN VELOCITY(m/s) : 0.35

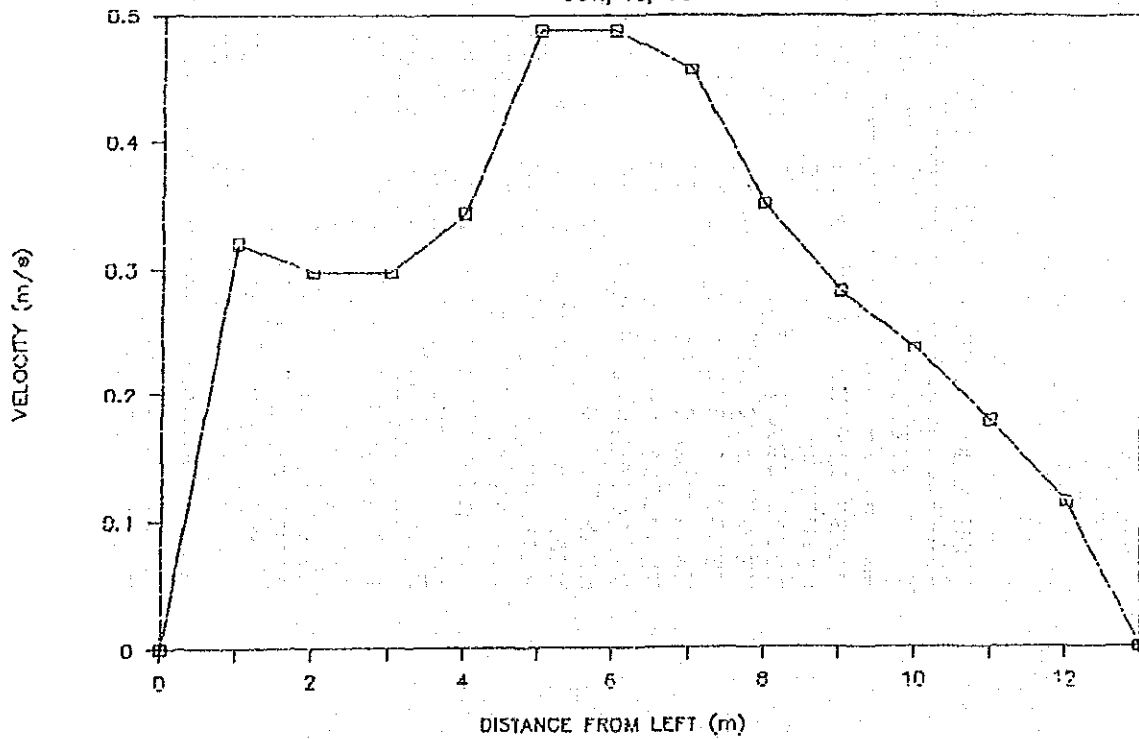
WATER DEPTH (4-130)

OCT./13/90



VELOCITY (4-130)

OCT./13/90



NOV./06/'90

FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	0.62	1.05	1.97	1.98	1.75	1.87	1.65	1.57	1.47	0.93
SE/WIDTH (m)	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	0.50	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50
VELOCITY 2-1(f/s)	-	0.99	1.20	1.23	1.31	1.28	1.20	1.15	0.80	0.50
VELOCITY 2-2(f/s)	-	0.99	1.20	1.23	1.31	1.28	1.20	1.15	0.80	0.50
MEAN VEL. 2 (f/s)	-	0.99	1.20	1.23	1.31	1.28	1.20	1.15	0.80	0.50
VELOCITY 8-1(f/s)	0.70	0.82	1.10	1.09	1.05	1.20	1.14	1.00	0.74	0.40
VELOCITY 8-2(f/s)	0.70	0.82	1.10	1.09	1.05	1.20	1.14	1.00	0.74	0.40
MEAN VEL. 8 (f/s)	0.70	0.82	1.10	1.09	1.05	1.20	1.14	1.00	0.74	0.40
MEAN VEL (f/s)	0.35	0.91	1.15	1.16	1.18	1.24	1.17	1.08	0.77	0.45
MEAN VEL (m/s)	0.000	0.107	0.276	0.354	0.360	0.378	0.357	0.328	0.235	0.137
L/MEAN DEPTH (m)	0.310	0.943	1.740	1.973	1.808	1.840	1.705	1.590	1.495	1.065
L/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
L/SEC. AREA (m2)	0.16	0.47	0.87	0.99	0.90	0.92	0.85	0.80	0.75	0.53
R/MEAN DEPTH (m)	0.728	1.280	1.973	1.923	1.780	1.815	1.630	1.545	1.335	0.905
R/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
R/SEC. AREA (m2)	0.36	0.64	0.99	0.96	0.89	0.91	0.82	0.77	0.67	0.45
S/AREA (m2)	0.52	1.11	1.86	1.95	1.79	1.83	1.67	1.57	1.42	0.99
TOTAL AREA (m2)	0.5	1.6	3.5	5.4	7.2	9.1	10.7	12.3	13.7	14.7
S/DISCHARGE(m3/s)	0.00	0.06	0.31	0.69	0.65	0.69	0.59	0.51	0.33	0.14
TOTAL DIS. (m3/s)	0.00	0.06	0.36	1.01	2.35	3.04	3.63	4.15	4.48	4.61

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

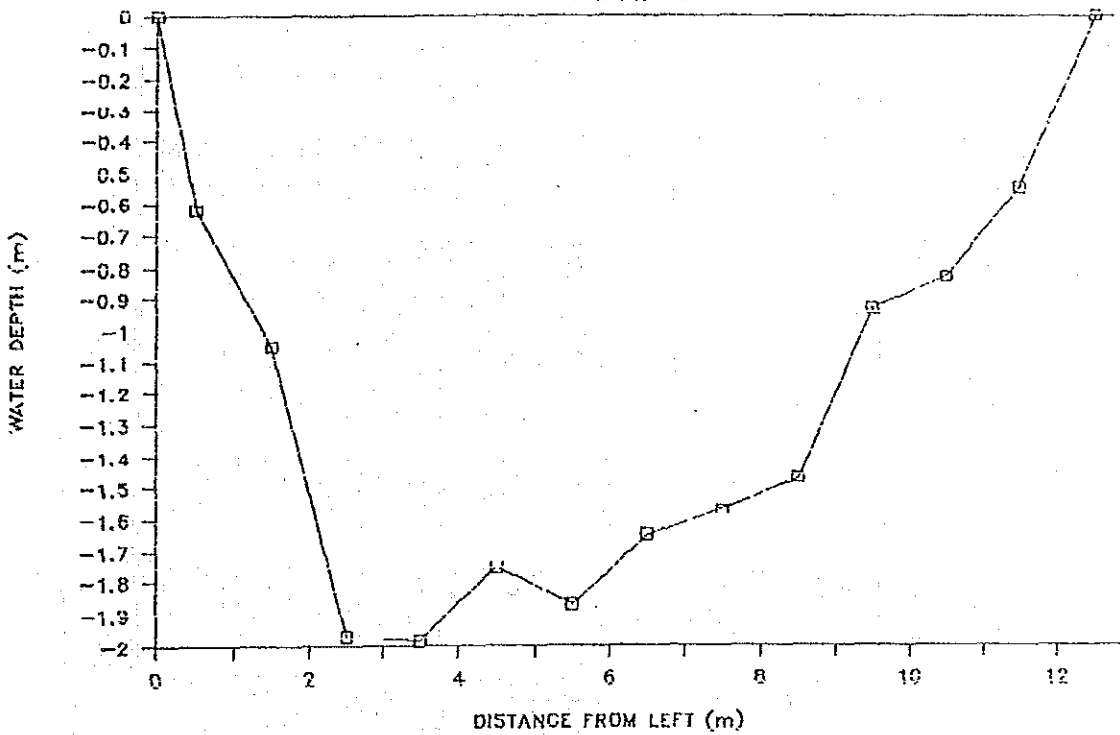
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE NOV. /06/'90

ITEMS	NO-11	NO-12	NO-R
WATER DEPTH (m)	0.83	0.55	0.00
SE/WIDTH (m)	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	10.50	11.50	12.50
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	0.26	0.00
VELOCITY. 8-2(f/s)	0.30	0.26	0.00
MEAN VEL. 8 (f/s)	0.30	0.26	0.00
MEAN VEL (f/s)	0.35	0.26	0.00
MEAN VEL (m/s)	0.107	0.790	0.000
L/MEAN DEPTH (m)	0.855	0.620	-
L/MEAN WIDTH (m)	0.50	0.50	-
L/SEC. AREA (m2)	0.43	0.31	-
R/MEAN DEPTH (m)	0.760	0.275	-
R/MEAN WIDTH (m)	0.50	1.00	-
R/SEC. AREA (m2)	0.38	0.28	-
S/AREA (m2)	0.81	0.59	-
TOTAL AREA (m2)	15.5	16.1	-
S/DISCHARGE(m3/s)	0.09	0.05	-
TOTAL DIS. (m3/s)	4.70	4.75	-

WATER LEVEL (f) : 2.67 WATER LEVEL (m) : 0.81
 TOTAL DISCHARGE : 4.75 MEAN VELOCITY(m/s) : 0.30

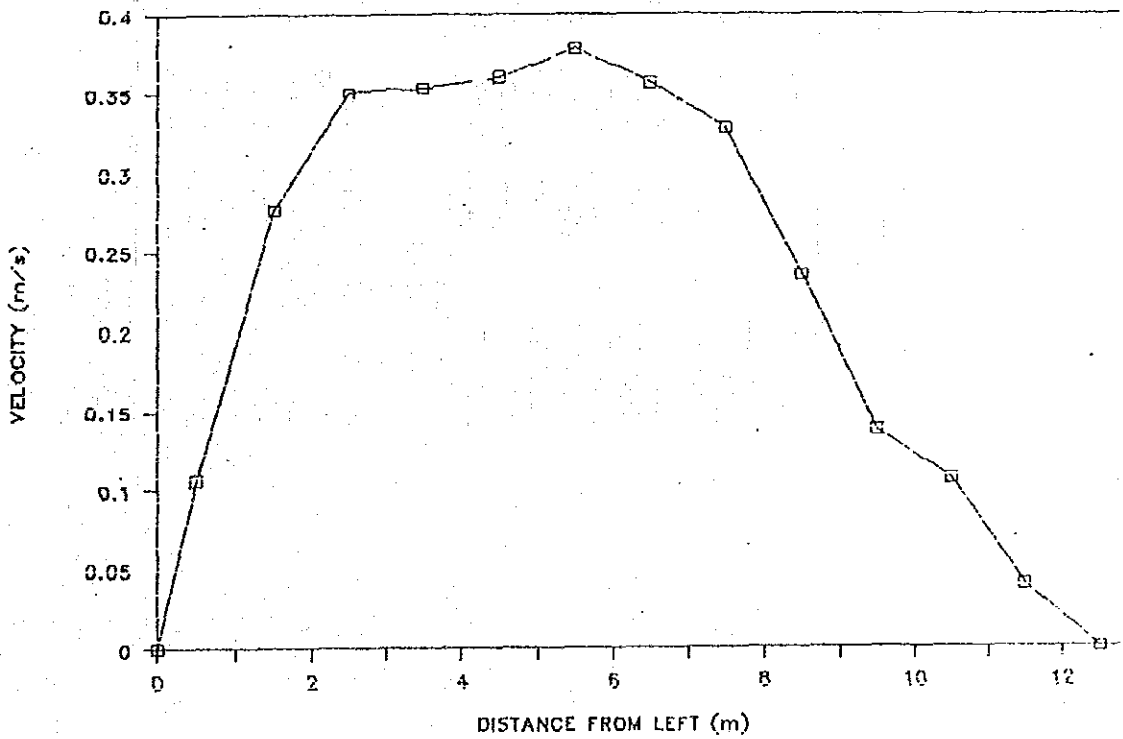
WATER DEPTH (4-130)

NOV./06/90



VELOCITY (4-130)

NOV./06/90



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (1) DEC./21/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	0.00	0.05	0.55	1.38	1.75	2.30	2.38	2.18	2.10	2.00
SE/WIDTH (m)	0.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	0.00	0.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50
VELOCITY.2-1(f/s)	0.00	0.00	-	1.13	1.30	1.90	2.00	2.39	2.31	2.08
VELOCITY.2-2(f/s)	0.00	0.00	-	1.13	1.30	1.90	2.00	2.39	2.31	2.08
MEAN VEL.2 (f/s)	0.00	0.00	-	1.13	1.30	1.90	2.00	2.39	2.31	2.08
VELOCITY.3-1(f/s)	0.00	0.00	0.54	0.82	1.25	1.62	1.82	1.98	1.60	1.42
VELOCITY.3-2(f/s)	0.00	0.00	0.54	0.82	1.25	1.62	1.82	1.98	1.60	1.42
MEAN VEL.3 (f/s)	0.00	0.00	0.54	0.82	1.25	1.62	1.82	1.98	1.60	1.42
MEAN VEL (f/s)	0.00	0.00	0.54	0.98	1.28	1.76	1.91	2.19	1.96	1.75
MEAN VEL (m/s)	0.000	0.000	0.165	0.297	0.389	0.536	0.582	0.666	0.596	0.533
L/MEAN DEPTH (m)	0.000	0.025	0.425	1.173	1.658	2.163	2.360	2.230	2.120	2.025
L/MEAN WIDTH (m)	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
L/SEC. AREA (m2)	0.00	0.01	0.03	0.21	0.59	0.83	1.08	1.12	1.06	1.01
R/MEAN DEPTH (m)	0.000	0.050	0.175	0.758	1.888	2.320	2.330	2.160	2.075	1.925
R/MEAN WIDTH (m)	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
R/SEC. AREA (m2)	0.00	0.03	0.09	0.38	0.94	1.16	1.17	1.08	1.04	0.96
S/AREA (m2)	0.00	0.04	0.11	0.59	1.32	1.77	2.24	2.35	2.20	1.98
TOTAL AREA (m2)	0.0	0.0	0.2	2.1	3.8	6.1	8.4	10.6	12.7	14.7
S/DISCHARGE(m3/s)	0.00	0.00	0.00	0.39	0.69	1.20	1.37	1.46	1.25	1.05
TOTAL DIS. (m3/s)	0.00	0.00	0.10	0.49	1.18	2.38	3.75	5.21	6.46	7.51

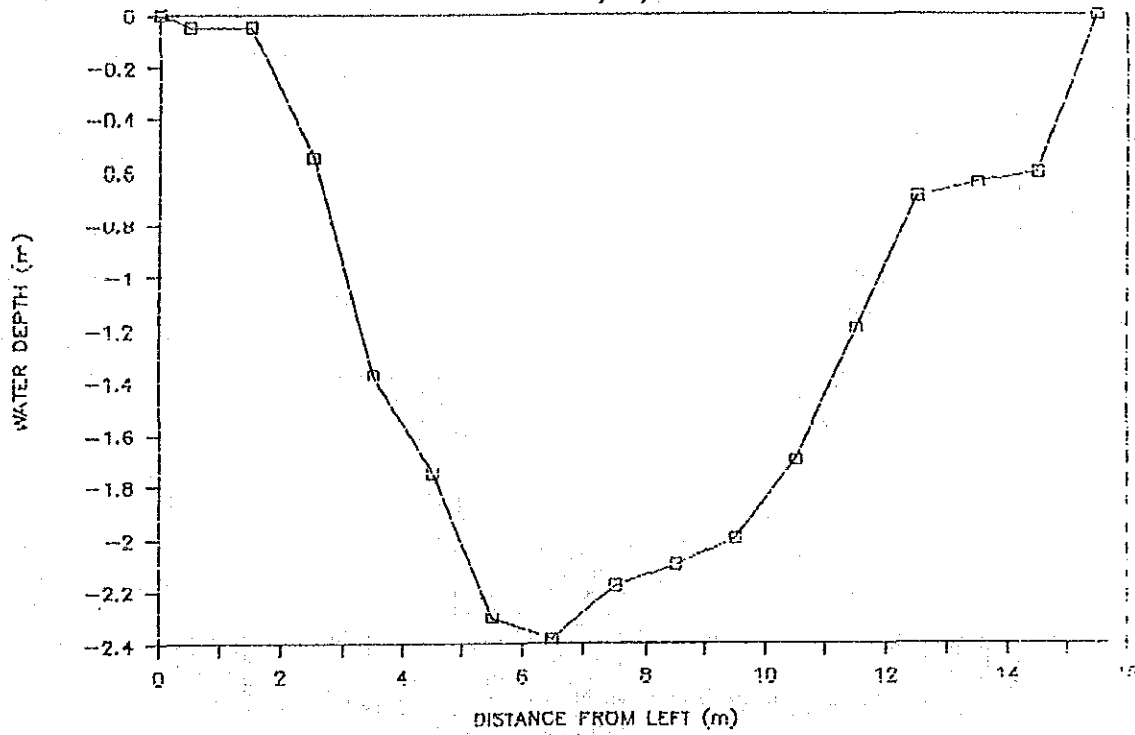
WATER LEVEL (f) : - - - WATER LEVEL (m) : - -
 TOTAL DISCHARGE : - - - MEAN VELOCITY(m/s) : - -

FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (2) DEC./21/190

ITEMS	NO-11	NO-13	NO-14	NO-15	NO-16	NO-R
WATER DEPTH (m)	1.70	1.20	0.70	0.65	0.61	0.00
SE/WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL SE/WIDTH(m)	10.50	11.50	12.50	13.50	14.50	15.50
VELOCITY.2-1(f/s)	1.55	1.09	-	-	-	0.00
VELOCITY.2-2(f/s)	1.55	1.09	-	-	-	0.00
MEAN VEL.2 (f/s)	1.55	1.09	-	-	-	0.00
VELOCITY.8-1(f/s)	1.50	1.00	0.90	0.65	0.25	0.00
VELOCITY.8-2(f/s)	1.50	1.00	0.90	0.65	0.25	0.00
MEAN VEL.8 (f/s)	1.50	1.00	0.90	0.65	0.25	0.00
MEAN VEL (f/s)	1.53	1.05	0.90	0.65	0.25	0.00
MEAN VEL (m/s)	0.465	0.319	0.274	0.198	0.076	0.000
L/MEAN DEPTH (m)	1.775	1.325	0.825	0.663	0.620	-
L/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	0.50	-
L/SEC. AREA (m2)	0.89	0.66	0.41	0.33	0.31	-
R/MEAN DEPTH (m)	1.575	1.075	0.688	0.640	0.305	-
R/MEAN WIDTH (m)	0.50	0.50	0.50	0.50	1.00	-
R/SEC. AREA (m2)	0.79	0.54	0.34	0.32	0.31	-
S/AREA (m2)	1.68	1.20	0.76	0.65	0.62	-
TOTAL AREA (m2)	16.4	17.6	18.3	19.0	19.6	-
S/DISCHARGE(m3/s)	0.78	0.38	0.21	0.13	0.05	-
TOTAL DIS. (m3/s)	8.29	8.67	8.88	9.01	9.06	-
WATER LEVEL (f) :	4.22					WATER LEVEL (m) : 1.29
TOTAL DISCHARGE :	9.06					MEAN VELOCITY(m/s) : 0.46

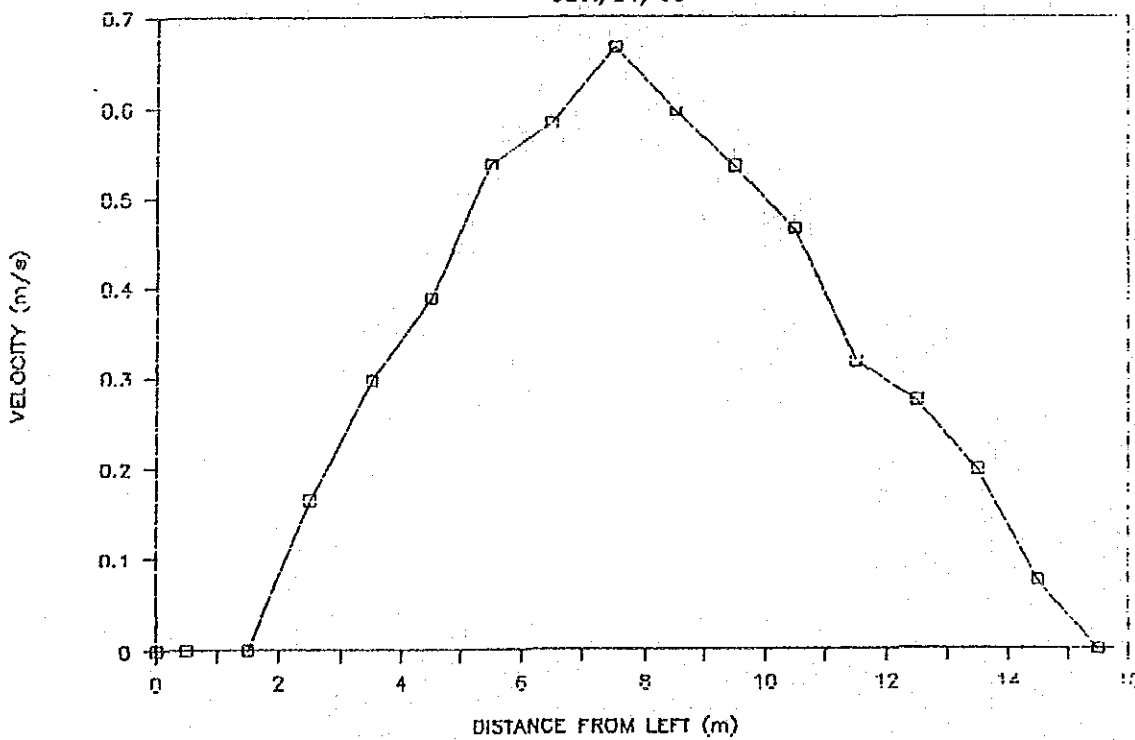
WATER DEPTH (4-130)

DEC./21/90



VELOCITY (4-130)

DEC./21/90



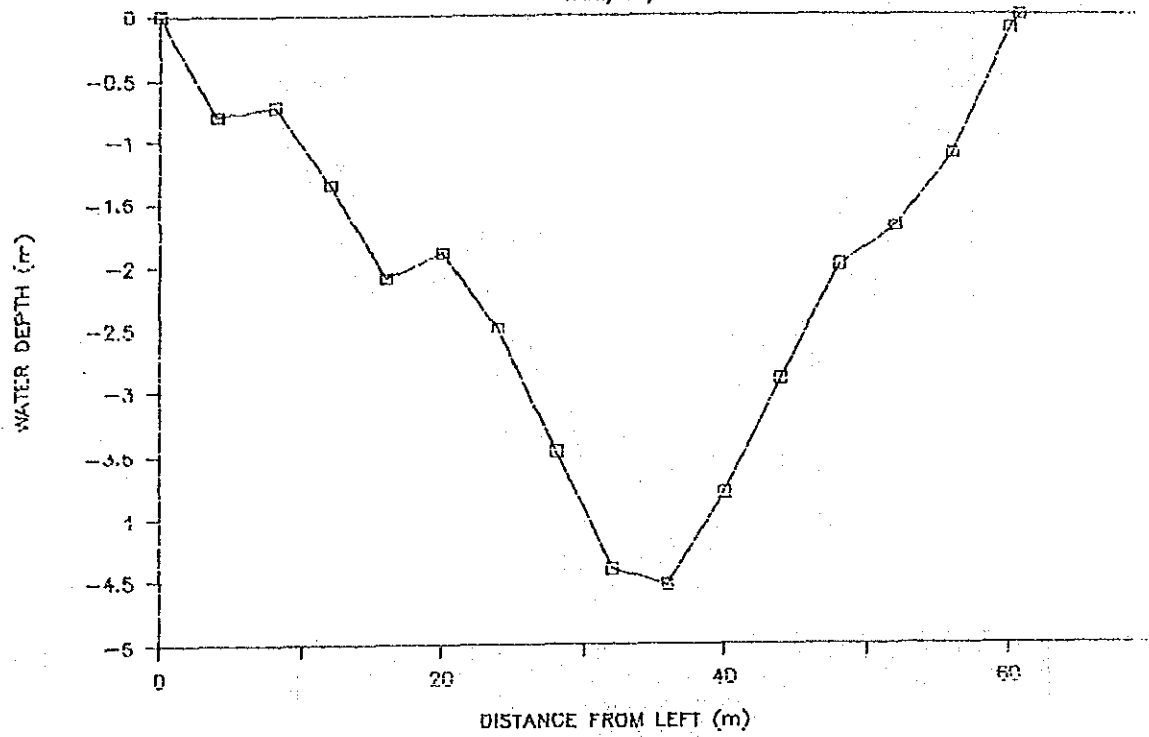
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (1) JAN./15/91

ITEMS	ND-1	ND-2	ND-3	ND-4	ND-5	ND-6	ND-7	ND-8	ND-9	ND-10	ND-11	ND-13	ND-14	ND-15	ND-16	ND-R
WATER DEPTH (m)	0.80	0.72	1.35	2.10	1.90	2.50	3.47	4.40	4.53	3.80	2.90	2.00	1.70	1.10	0.11	0.00
SE/WIDTH (m)	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	0.73
TOTAL SE/WIDTH(m)	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	44.00	48.00	52.00	56.00	60.00	60.73
VELOCITY.2-1(f/s)	0.00	0.00	0.00	0.00	0.00	0.52	1.80	2.90	5.10	3.50	0.00	0.00	0.00	0.00	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.00	0.00	0.00	0.00	0.52	1.80	2.90	5.10	3.50	0.00	0.00	0.00	0.00	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.00	0.00	0.00	0.00	0.52	1.80	2.90	5.10	3.50	0.00	0.00	0.00	0.00	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.00	0.00	0.00	0.00	0.50	1.60	4.50	5.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.00	0.00	0.00	0.00	0.50	1.60	4.50	5.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.00	0.00	0.00	0.00	0.50	1.60	4.50	5.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00
MEAN VEL (f/s)	0.00	0.00	0.00	0.00	0.00	0.51	1.70	3.70	5.05	3.35	0.00	0.00	0.00	0.00	0.00	0.00
MEAN VEL (m/s)	0.000	0.000	0.000	0.000	0.000	0.155	0.518	1.128	1.539	1.021	0.000	0.000	0.000	0.000	0.000	0.000
L/AREA DEPTH (m)	0.400	0.740	1.193	1.913	1.950	2.350	3.228	4.168	4.498	3.983	3.125	2.225	1.775	1.250	0.358	-
L/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	0.00	1.48	2.39	3.83	3.90	4.70	6.46	8.34	9.00	7.97	6.25	4.45	3.55	2.50	0.72	-
R/AREA DEPTH (m)	0.000	0.878	1.538	2.050	2.050	2.743	3.703	4.433	4.348	3.575	2.675	1.925	1.550	0.853	0.055	-
R/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
R/SEC. AREA (m2)	0.00	1.56	1.76	3.06	4.10	5.49	7.41	8.87	8.70	7.15	5.35	3.85	3.10	1.71	0.04	-
S/AREA	0.00	3.16	3.24	5.46	7.96	10.19	13.86	17.20	17.69	15.12	11.60	8.30	6.65	4.21	0.76	-
TOTAL AREA (m2)	0.0	6.4	11.9	19.8	27.8	38.0	51.8	69.0	86.7	101.8	113.4	121.7	128.4	132.6	133.3	-
S/DISCHARGE(m3/s)	0.00	0.00	0.00	0.00	0.00	1.58	7.18	19.40	27.23	15.43	0.00	0.00	0.00	0.00	0.00	-
TOTAL DIS. (m3/s)	0.00	0.00	0.00	0.00	0.00	1.58	8.76	28.16	55.39	70.83	70.83	70.83	70.83	70.83	70.83	-

WATER LEVEL (f) : 12.75 WATER LEVEL (m) : 3.89
 TOTAL DISCHARGE : 70.83 MEAN VELOCITY(m/s) : 0.53

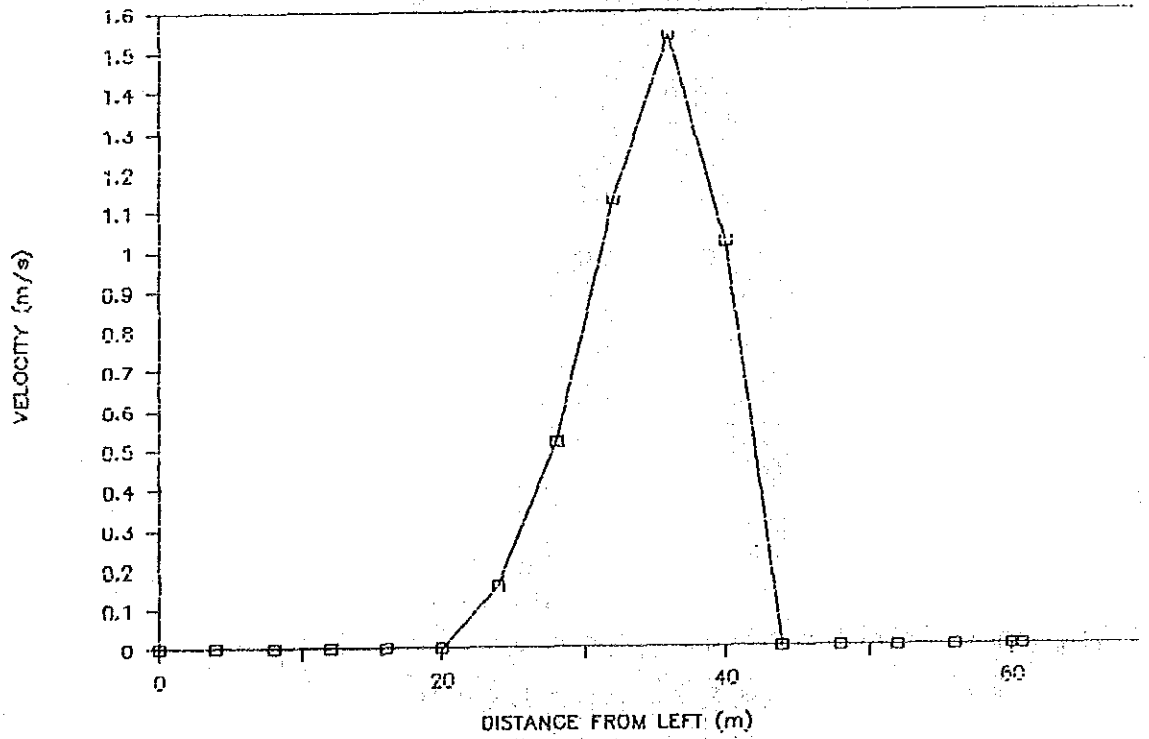
WATER DEPTH (4-130)

JAN./16/'91



VELOCITY (4-130)

JAN./16/'91



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (1) FEB./13/'91

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-5	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	0.70	1.50	2.15	2.80	3.30	3.20	3.70	4.10	5.66	6.30
S/WIDTH (m)	4.10	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
TOTAL SE/WIDTH(m)	4.10	9.10	14.10	19.10	24.10	29.10	34.10	39.10	44.10	49.10
VELOCITY 2-1(f/s)	0.15	0.22	0.34	0.20	0.80	1.90	2.30	2.40	4.90	5.10
VELOCITY 2-2(f/s)	0.15	0.22	0.34	0.20	0.80	1.90	2.30	2.40	4.90	5.10
MEAN VEL. 2 (f/s)	0.15	0.22	0.34	0.20	0.80	1.90	2.30	2.40	4.90	5.10
VELOCITY 3-1(f/s)	-	0.20	0.20	0.18	0.70	1.80	1.80	2.20	4.60	5.00
MEAN VEL. 3 (f/s)	-	0.20	0.20	0.18	0.70	1.80	1.80	2.20	4.60	5.00
MEAN VEL (f/s)	0.15	0.21	0.27	0.19	0.75	1.85	2.05	2.30	4.75	5.05
MEAN VEL (m/s)	0.048	0.084	0.082	0.058	0.229	0.564	0.625	0.701	1.448	1.539
L/MEAN DEPTH (m)	0.350	1.300	1.988	2.638	3.175	3.225	3.575	4.000	6.020	6.390
L/MEAN WIDTH (m)	4.10	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
L/SEC. AREA (m2)	1.44	3.25	4.97	6.59	7.94	8.06	8.94	10.00	15.05	15.98
R/MEAN DEPTH (m)	0.900	1.663	2.313	2.925	3.275	3.325	3.800	4.740	6.570	5.788
R/MEAN WIDTH (m)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
R/SEC. AREA (m2)	2.25	4.16	5.78	7.31	8.19	8.31	9.50	11.85	16.43	14.47
S/AREA (m2)	3.69	7.41	10.75	13.91	16.13	16.38	18.44	21.85	31.48	30.44
TOTAL AREA (m2)	3.7	11.1	21.8	35.7	51.9	58.2	86.7	108.5	140.0	170.5
S/DISCHARGE(m3/s)	0.17	0.47	0.80	0.81	3.69	9.23	11.52	15.32	45.57	46.86
TOTAL DIS. (m3/s)	0.17	0.64	1.53	2.33	6.02	15.25	26.78	42.09	87.66	134.52

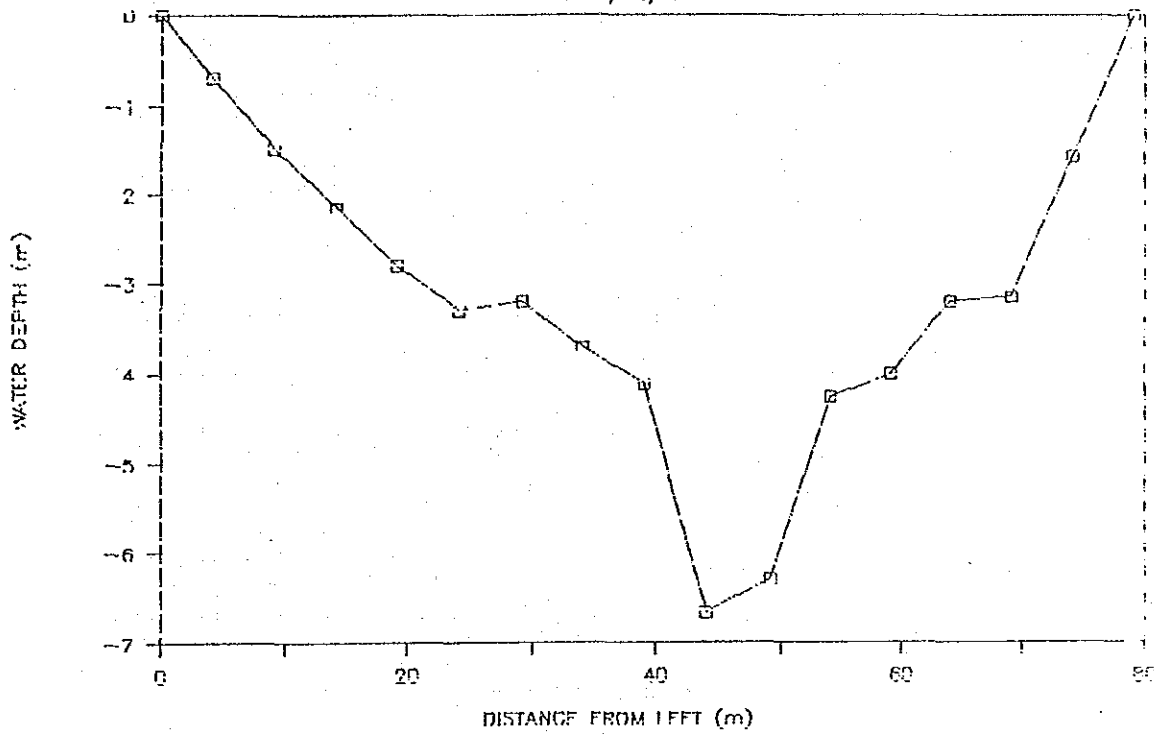
WATER LEVEL (f) :
 TOTAL DISCHARGE :
 WATER LEVEL (m) :
 MEAN VELOCITY(m/s) :

FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (2) FEB./13/'81

ITEMS	NO-11	NO-13	NO-14	NO-15	NO-16	NO-R
WATER DEPTH (m)	4.25	4.00	3.20	3.15	1.60	0.00
SE/WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00
TOTAL SE/WIDTH(m)	54.10	59.10	64.10	69.10	74.10	79.10
VELOCITY.2-1(f/s)	3.48	2.20	0.50	0.42	0.50	0.00
VELOCITY.2-2(f/s)	3.48	2.20	0.50	0.42	0.50	0.00
MEAN VEL.2 (f/s)	3.48	2.20	0.50	0.42	0.50	0.00
VELOCITY.8-1(f/s)	2.10	1.00	0.22	0.15	0.30	0.00
VELOCITY.8-2(f/s)	2.10	1.00	0.22	0.15	0.30	0.00
MEAN VEL.8 (f/s)	2.10	1.00	0.22	0.15	0.30	0.00
MEAN VEL (f/s)	2.79	1.60	0.22	0.15	0.30	0.00
MEAN VEL (m/s)	0.850	0.488	0.067	0.046	0.091	0.000
L/MEAN DEPTH (m)	4.763	4.063	3.400	3.163	1.908	-
L/MEAN WIDTH (m)	2.50	2.50	2.50	2.50	2.50	-
L/SEC. AREA (m2)	11.91	10.16	8.50	7.91	4.97	-
R/MEAN DEPTH (m)	4.188	3.800	3.188	2.763	0.800	-
R/MEAN WIDTH (m)	2.50	2.50	2.50	2.50	5.00	-
R/SEC. AREA (m2)	10.47	9.50	7.97	8.91	4.00	-
S/AREA (m2)	22.38	19.66	16.47	14.81	8.97	-
TOTAL AREA (m2)	192.8	212.5	229.0	243.8	252.7	-
S/DISCHARGE(m3/s)	19.03	9.59	1.10	0.68	0.62	-
TOTAL DIS. (m3/s)	153.55	163.14	164.24	164.92	155.74	-
WATER LEVEL (f)	17.33					5.28
TOTAL DISCHARGE	165.74					0.66
						MEAN VELOCITY(m/s) :

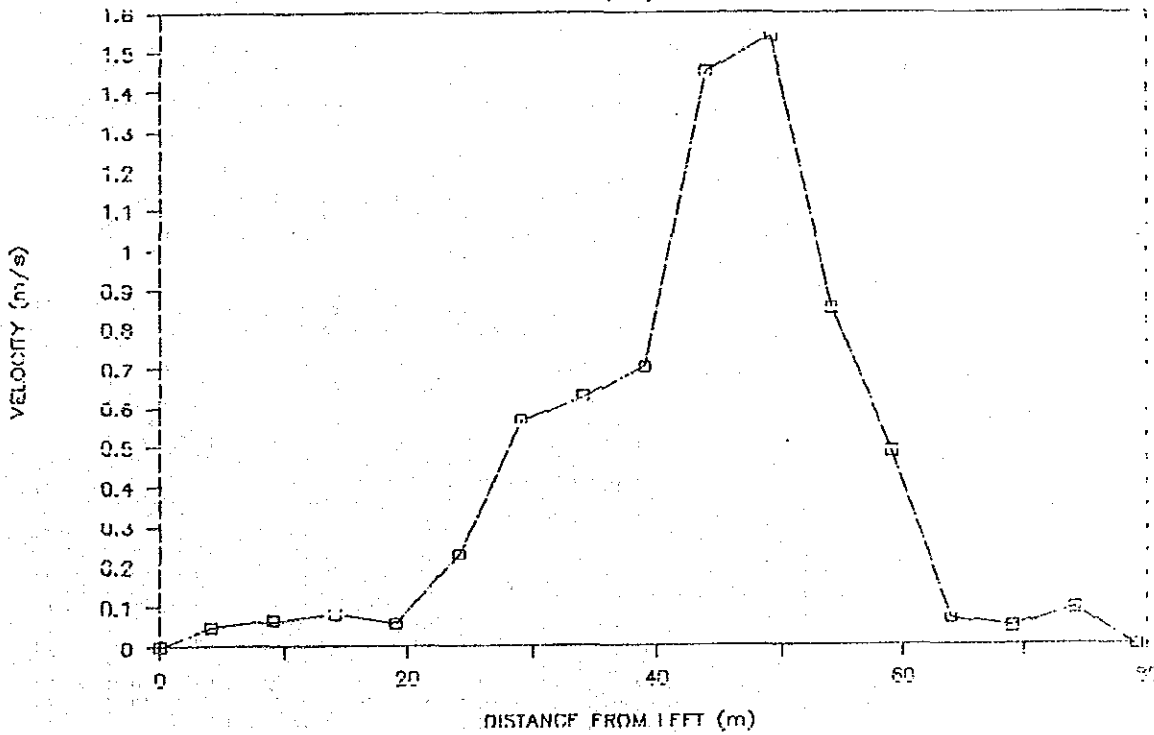
WATER DEPTH (4-130)

FEB./13/81



VELOCITY (4-130)

FEB./13/81



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE (1) MAR./8/'91

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	1.65	2.30	3.00	3.40	3.30	3.90	4.00	6.70	6.30	5.10
SE/WIDTH (m)	3.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
TOTAL SE/WIDTH(m)	3.50	3.50	13.50	13.50	23.50	23.50	33.50	33.50	43.50	43.50
VELOCITY.2-1(f/s)	0.30	0.20	0.40	0.60	1.20	2.50	2.60	4.40	5.00	3.40
VELOCITY.2-2(f/s)	0.30	0.20	0.40	0.60	1.20	2.50	2.60	4.40	5.00	3.40
MEAN VEL.2 (f/s)	0.30	0.20	0.40	0.60	1.20	2.50	2.60	4.40	5.00	3.40
VELOCITY.3-1(f/s)	0.20	0.10	0.30	0.50	0.90	0.90	2.20	4.30	4.50	3.00
VELOCITY.3-2(f/s)	0.20	0.10	0.30	0.50	0.90	0.90	2.20	4.30	4.50	3.00
MEAN VEL.3 (f/s)	0.20	0.10	0.30	0.50	0.90	0.90	2.20	4.30	4.50	3.00
MEAN VEL (f/s)	0.25	0.15	0.35	0.55	1.05	1.70	2.40	4.35	4.75	3.20
MEAN VEL (m/s)	0.076	0.046	0.107	0.168	0.320	0.518	0.732	1.326	1.448	0.975
L/MEAN DEPTH (m)	0.825	2.138	2.825	3.300	3.325	3.750	3.975	6.025	6.400	5.400
L/MEAN WIDTH (m)	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
L/SEC. AREA (m2)	2.89	5.34	7.06	8.25	8.31	9.38	9.94	15.06	16.00	13.50
R/MEAN DEPTH (m)	1.813	2.475	3.100	3.375	3.450	3.925	4.675	6.600	6.000	4.875
R/MEAN WIDTH (m)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
R/SEC. AREA (m2)	4.53	6.19	7.75	8.44	8.63	9.81	11.69	16.50	15.00	12.19
S/AREA (m2)	7.42	11.53	14.81	16.69	16.94	19.19	21.63	31.56	31.00	25.69
TOTAL AREA (m2)	7.4	19.0	33.8	50.5	67.4	86.6	103.2	139.8	170.8	196.5
S/DISCHARGE(m3/s)	0.57	0.53	1.58	2.80	5.42	9.94	15.82	41.85	44.88	25.05
TOTAL DIS. (m3/s)	0.57	1.09	2.67	5.47	10.89	20.83	36.65	78.50	123.38	148.44

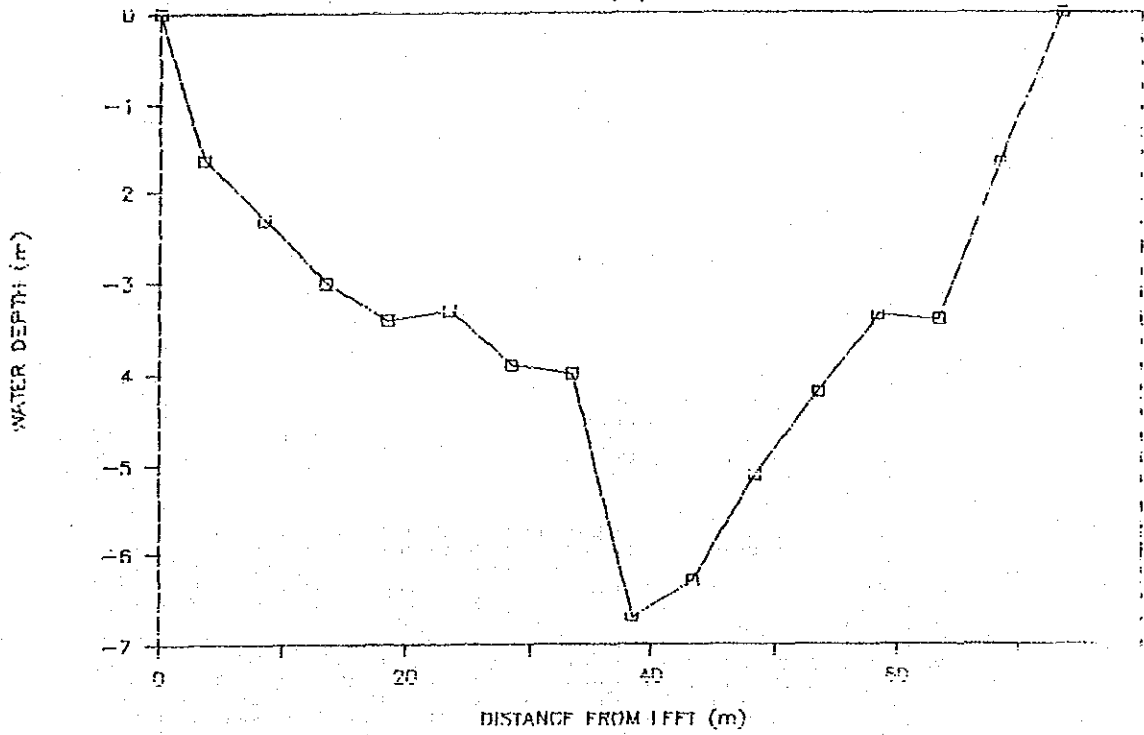
WATER LEVEL (f) : -
 WATER LEVEL (m) : -
 TOTAL DISCHARGE : -
 MEAN VELOCITY(m/s) : -

FLOW MEASUREMENT ST. : 4-100 SMITH'S BRIDGE (2) MAR./8/'91

ITEMS	NO-11	NO-13	NO-14	NO-15	NO-R
WATER DEPTH (m)	4.20	3.35	3.40	1.70	0.00
SE/WIDTH (m)	5.00	5.00	5.00	5.00	5.00
TOTAL SE/WIDTH(m)	53.50	53.50	63.50	63.50	73.50
VELOCITY.2-1(f/s)	2.20	0.88	0.70	0.40	0.00
VELOCITY.2-2(f/s)	2.20	0.88	0.70	0.40	0.00
MEAN VEL.2 (f/s)	2.20	0.88	0.70	0.40	0.00
VELOCITY.8-1(f/s)	1.00	0.10	0.10	0.30	0.00
VELOCITY.8-2(f/s)	1.00	0.10	0.10	0.30	0.00
MEAN VEL.8 (f/s)	1.00	0.10	0.10	0.30	0.00
MEAN VEL (f/s)	1.60	0.49	0.40	0.35	0.00
MEAN VEL (m/s)	0.498	0.149	0.122	0.107	0.000
L/MEAN DEPTH (m)	4.425	3.563	3.388	2.125	-
L/MEAN WIDTH (m)	2.50	2.50	2.50	2.50	-
L/SEC. AREA (m2)	11.06	8.91	8.47	5.01	-
R/MEAN DEPTH (m)	3.988	3.363	2.975	0.850	-
R/MEAN WIDTH (m)	2.50	2.50	2.50	5.00	-
R/SEC. AREA (m2)	9.97	8.41	7.44	4.25	-
S/AREA (m2)	21.03	17.31	15.91	9.56	-
TOTAL AREA (m2)	217.5	234.8	250.7	260.3	-
S/DISCHARGE(m3/s)	10.26	2.59	1.94	1.02	-
TOTAL DIS. (m3/s)	158.69	161.28	163.22	164.24	-
WATER LEVEL (f) : 17.94					WATER LEVEL (m) : 5.47
TOTAL DISCHARGE : 164.24					MEAN VELOCITY(m/s) : 0.63

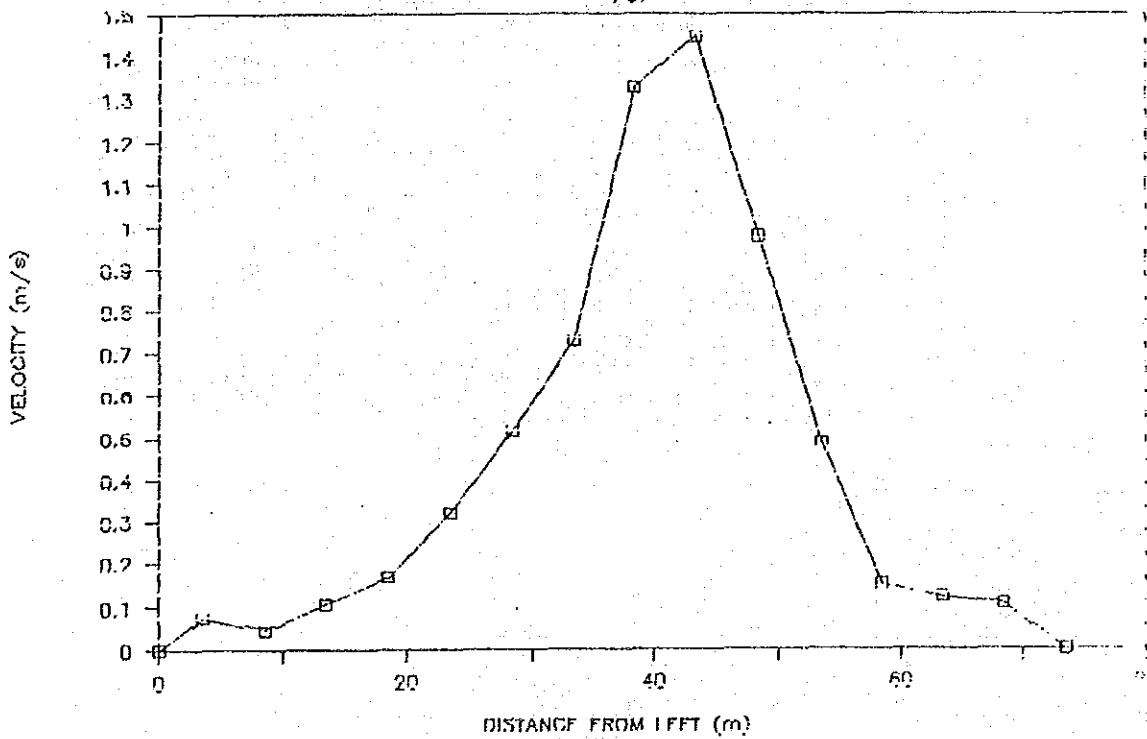
WATER DEPTH (4-130)

MAK./8/'91



VELOCITY (4-130)

MAK./8/'91



FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE

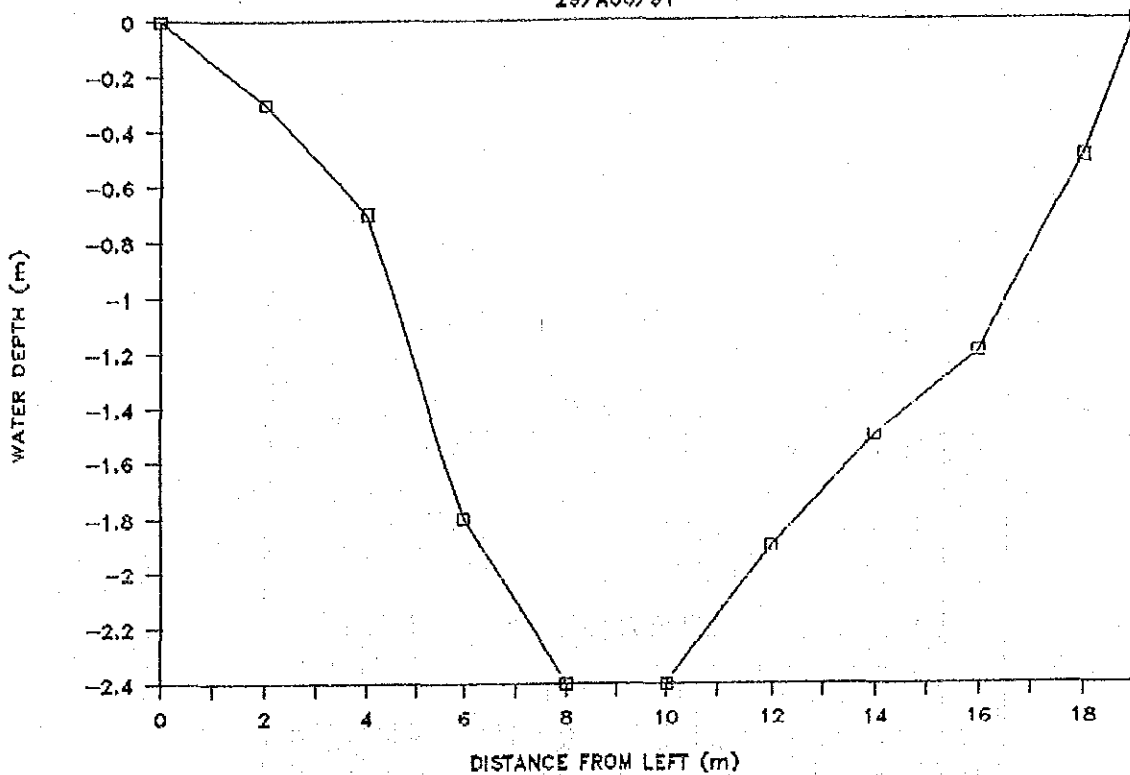
29/AUG/'91

ITEMS	NO-L	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	0.30	0.70	1.80	2.40	2.40	1.90	1.50	1.20	0.50	0.00
SE/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	19.00
VELOCITY.2-1(f/s)	0.00	-	-	1.90	2.50	2.50	2.00	1.50	0.50	0.00	0.00
VELOCITY.2-2(f/s)	0.00	-	-	1.90	2.80	2.60	2.00	1.40	0.60	0.00	0.00
MEAN VEL.2 (f/s)	0.00	-	-	1.90	2.65	2.55	2.00	1.45	0.55	0.00	0.00
VELOCITY.8-1(f/s)	0.00	1.20	0.60	1.80	2.30	2.40	1.80	1.00	0.20	0.00	0.00
VELOCITY.8-2(f/s)	0.00	1.20	0.60	1.85	2.20	2.40	1.90	1.10	0.20	0.00	0.00
MEAN VEL.8 (f/s)	0.00	1.20	0.60	1.83	2.25	2.40	1.85	1.05	0.20	0.00	0.00
MEAN VEL (f/s)	0.00	1.20	0.60	1.86	2.45	2.48	1.93	1.25	0.38	0.00	0.00
MEAN VEL (m/s)	0.000	0.366	0.183	0.568	0.747	0.754	0.587	0.381	0.114	0.000	0.000
L/MEAN DEPTH (m)	0.000	0.150	0.600	1.525	2.250	2.400	2.025	1.600	1.275	0.675	-
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.00	0.30	0.60	1.53	2.25	2.40	2.03	1.60	1.28	0.68	-
R/MEAN DEPTH (m)	0.000	0.400	0.975	1.950	2.400	2.275	1.800	1.425	1.025	0.250	-
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
R/SEC. AREA (m2)	0.00	0.40	0.98	1.95	2.40	2.28	1.80	1.43	1.03	0.25	-
S/AREA (m2)	0.00	0.70	1.58	3.48	4.65	4.68	3.83	3.03	2.30	0.93	-
TOTAL AREA (m2)	0.0	0.7	2.3	5.8	10.4	15.1	18.9	21.9	24.2	25.2	-
S/DISCHARGE(m3/s)	0.00	0.26	0.29	1.97	3.47	3.53	2.24	1.15	0.26	0.00	-
TOTAL DIS. (m3/s)	0.00	0.26	0.54	2.52	5.99	9.52	11.76	12.91	13.18	13.18	-

WATER LEVEL (f) : 4.40 WATER LEVEL (m) : 1.34
 TOTAL DISCHARGE : 13.18 MEAN VELOCITY(m/s) : 0.52

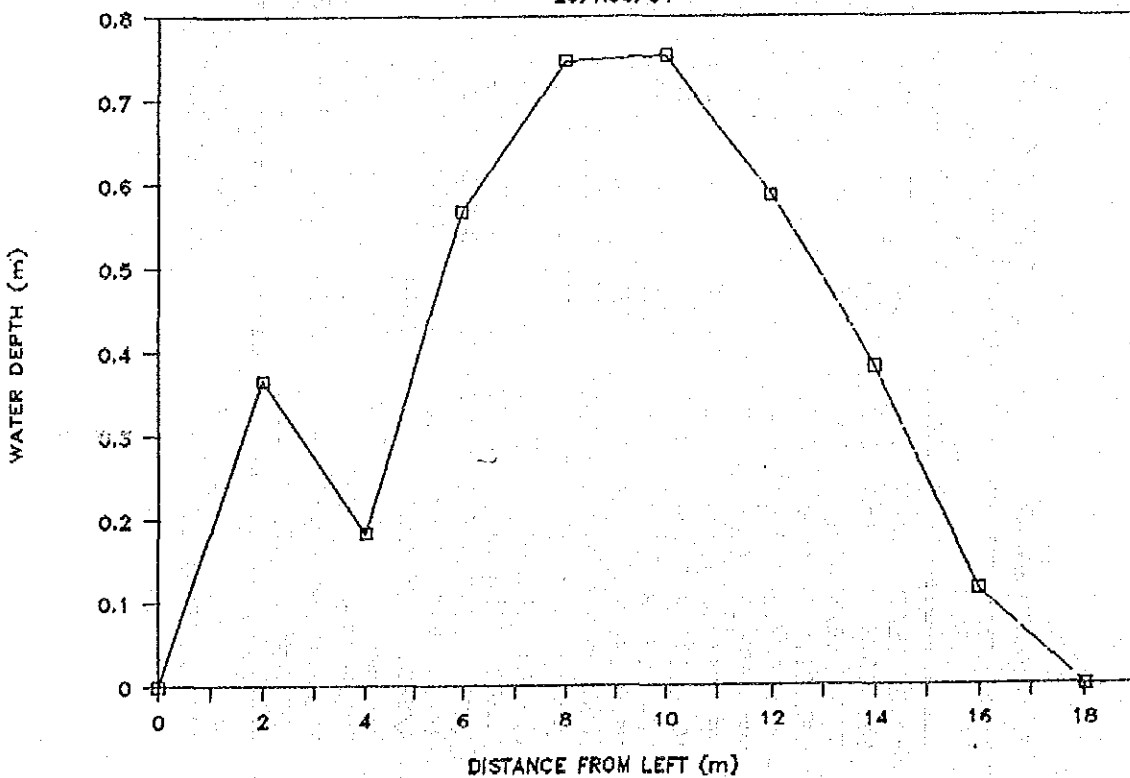
WATER DEPTH (4-130)

29/AUG/91



VELOCITY (4-130)

29/AUG/91



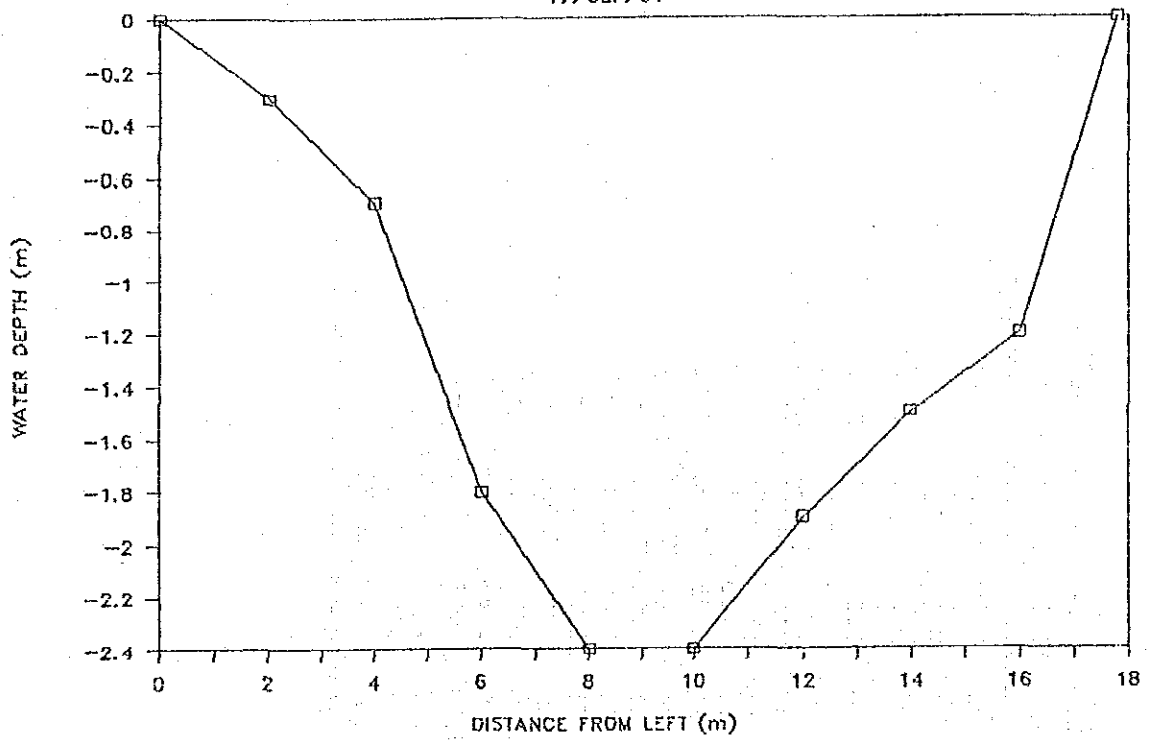
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE 17/SEP/91

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	0.30	0.70	1.80	2.40	2.40	1.90	1.50	1.20	0.00
SE/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.80
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	17.80
VELOCITY.2-1(f/s)	0.00	0.35	1.40	2.10	2.30	2.49	1.50	0.90	0.80	0.00
VELOCITY.2-2(f/s)	0.00	0.35	1.40	2.10	2.30	2.49	1.60	0.90	0.80	0.00
MEAN VEL.2 (f/s)	0.00	0.35	1.40	2.10	2.30	2.49	1.55	0.90	0.80	0.00
VELOCITY.8-1(f/s)	0.00	0.20	1.00	1.70	1.50	1.40	0.90	0.60	0.55	0.00
VELOCITY.8-2(f/s)	0.00	0.20	1.00	1.70	1.50	1.40	0.90	0.60	0.55	0.00
MEAN VEL.8 (f/s)	0.00	0.20	1.00	1.70	1.50	1.40	0.90	0.60	0.55	0.00
MEAN VEL (f/s)	0.00	0.28	1.20	1.90	1.90	1.95	1.23	0.75	0.68	0.00
MEAN VEL (m/s)	0.000	0.084	0.366	0.579	0.579	0.593	0.373	0.229	0.206	0.000
L/MEAN DEPTH (m)	0.000	0.150	0.600	1.525	2.250	2.400	2.025	1.600	1.275	-
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.00	0.30	0.60	1.53	2.25	2.40	2.03	1.60	1.28	-
R/MEAN DEPTH (m)	0.000	0.400	0.975	1.950	2.400	2.275	1.800	1.425	0.600	-
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.80	-
R/SEC. AREA (m2)	0.00	0.40	0.98	1.95	2.40	2.28	1.80	1.43	1.08	-
S/AREA (m2)	0.00	0.70	1.58	3.48	4.65	4.68	3.83	3.03	2.36	-
TOTAL AREA (m2)	0.0	0.7	2.3	5.8	10.4	15.1	18.9	21.9	24.3	-
S/DISCHARGE (m3/s)	0.00	0.06	0.58	2.01	2.69	2.77	1.43	0.69	0.48	-
TOTAL DIS. (m3/s)	0.00	0.06	0.63	2.65	5.34	8.11	9.54	10.23	10.72	-

WATER LEVEL (f) : 3.66 WATER LEVEL (m) : 1.12
 TOTAL DISCHARGE : 10.72 MEAN VELOCITY(m/s) : 0.44

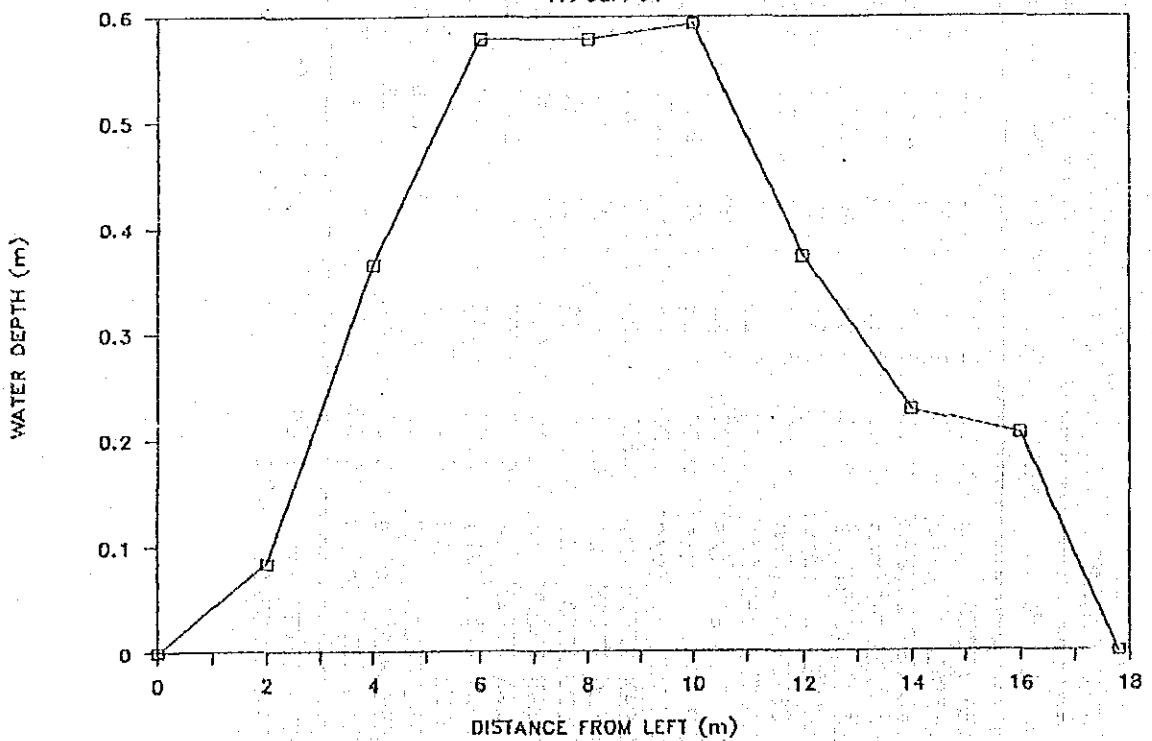
WATER DEPTH (4-130)

17/SEP/01



VELOCITY (4-130)

17/SEP/01



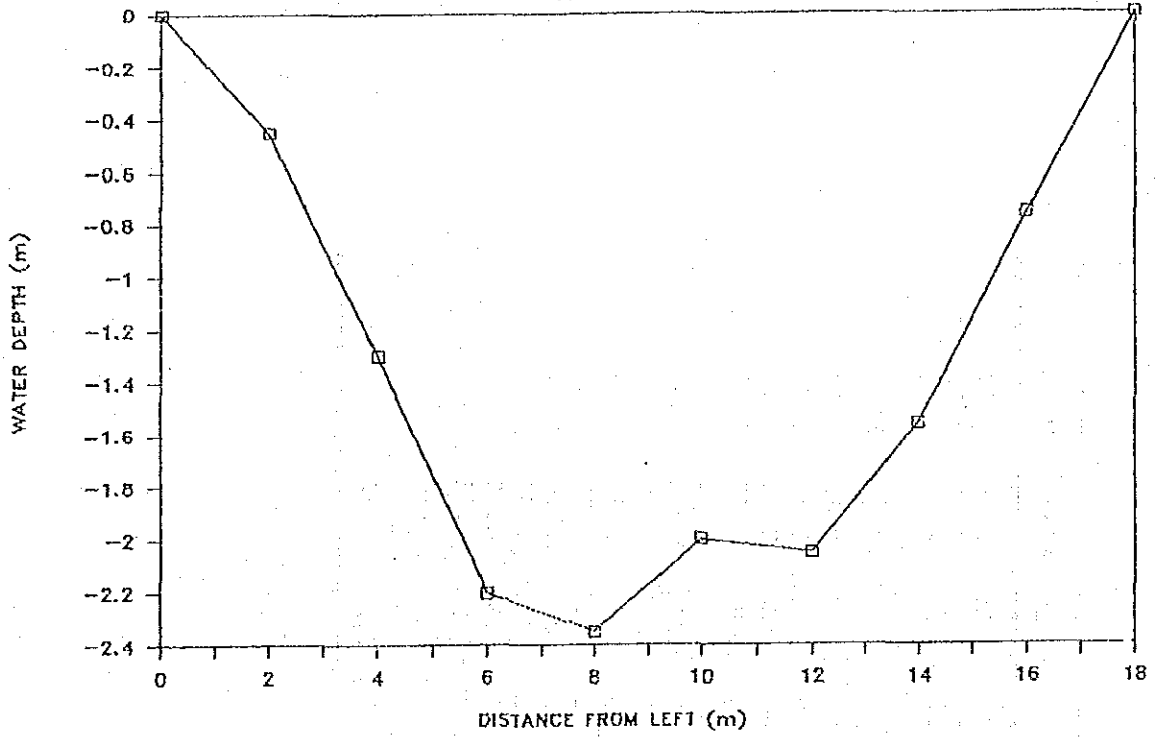
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE 19/OCT/91

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	0.45	1.30	2.20	2.35	2.00	2.05	1.56	0.76	0.00
S/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
VELOCITY.2-1(f/s)	0.00	0.50	1.45	2.10	2.30	2.49	1.50	1.10	0.80	0.00
VELOCITY.2-2(f/s)	0.00	0.55	1.50	2.10	2.30	2.49	1.60	1.10	0.80	0.00
MEAN VEL.2 (f/s)	0.00	0.53	1.48	2.10	2.30	2.49	1.55	1.10	0.80	0.00
VELOCITY.8-1(f/s)	0.00	0.35	1.05	1.70	1.55	1.40	0.90	0.80	0.55	0.00
VELOCITY.8-2(f/s)	0.00	0.35	1.05	1.70	1.55	1.40	0.90	0.80	0.55	0.00
MEAN VEL.8 (f/s)	0.00	0.35	1.05	1.70	1.55	1.40	0.90	0.80	0.55	0.00
MEAN VEL (f/s)	0.00	0.44	1.26	1.90	1.93	1.95	1.23	0.95	0.68	0.00
MEAN VEL (m/s)	0.000	0.133	0.385	0.579	0.587	0.593	0.373	0.290	0.206	0.000
L/MEAN DEPTH (m)	0.000	0.225	1.088	1.975	2.313	2.088	2.038	1.683	0.960	-
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.00	0.45	1.09	1.98	2.31	2.09	2.04	1.68	0.96	-
R/MEAN DEPTH (m)	0.000	0.663	1.525	2.238	2.263	2.013	1.928	1.360	0.380	-
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	-
R/SEC. AREA (m2)	0.00	0.66	1.53	2.24	2.26	2.01	1.93	1.36	0.76	-
S/AREA (m2)	0.00	1.11	2.61	4.21	4.58	4.10	3.97	3.04	1.72	-
TOTAL AREA (m2)	0.0	1.1	3.7	7.9	12.5	16.6	20.6	23.6	25.3	-
S/DISCHARGE(m3/s)	0.00	0.15	1.01	2.44	2.68	2.43	1.48	0.88	0.35	-
TOTAL DIS. (m3/s)	0.00	0.15	1.15	3.59	6.28	8.71	10.19	11.07	11.42	-

WATER LEVEL (f) : 3.98 WATER LEVEL (m) : 1.21
 TOTAL DISCHARGE : 11.42 MEAN VELOCITY(m/s) : 0.45

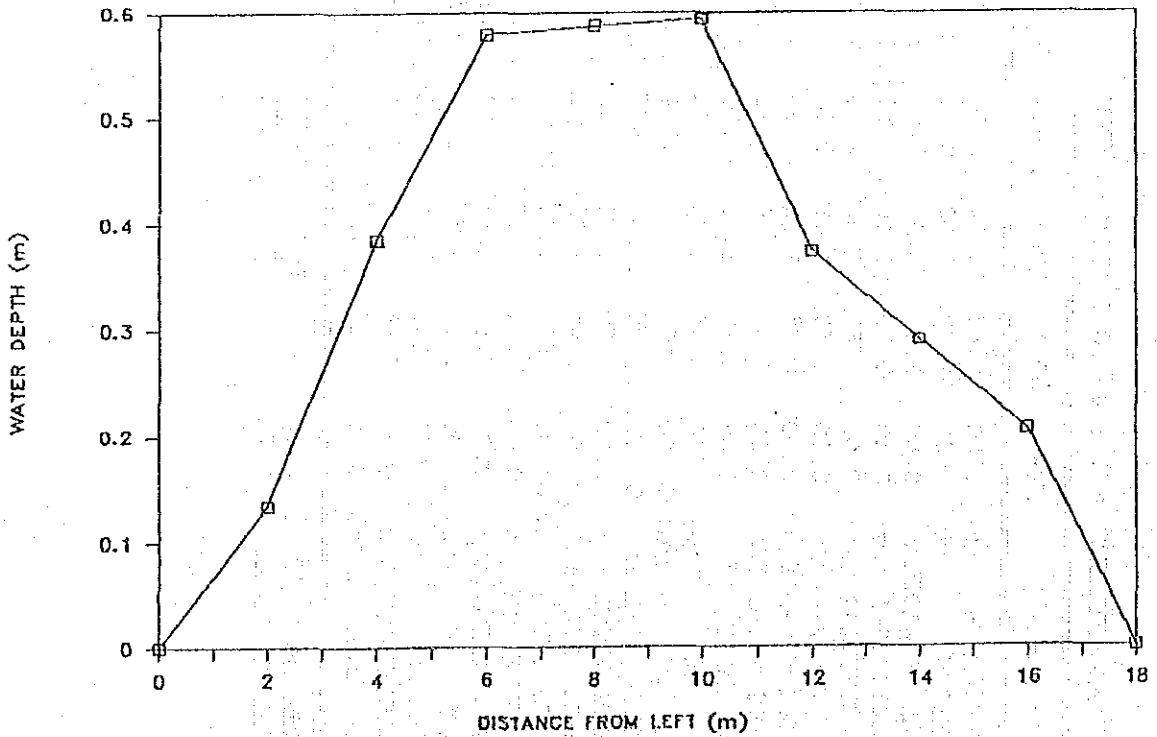
WATER DEPTH (4-130)

19/OCT/91



VELOCITY (4-130)

19/OCT/91



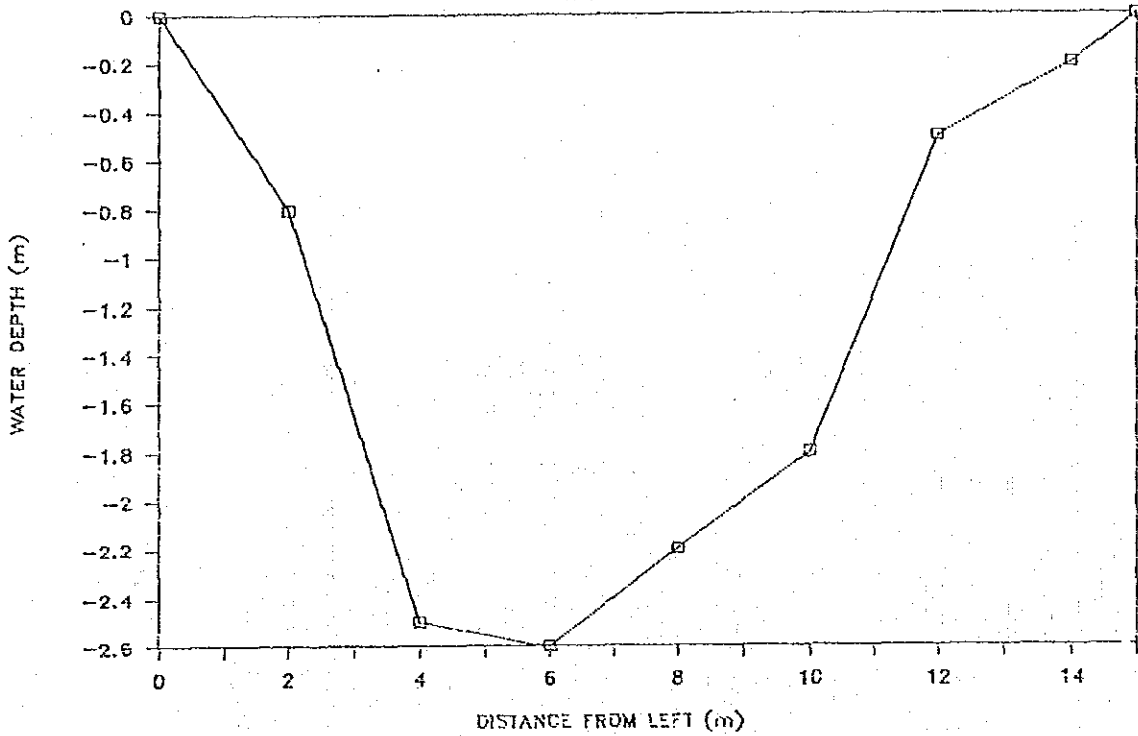
FLOW MEASUREMENT ST. : 4-130 SMITH'S BRIDGE 25/NOV/91

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8
WATER DEPTH (m)	0.80	2.50	2.60	2.20	1.80	0.50	0.20	0.00
SE/WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
TOTAL SE/WIDTH(m)	2.00	4.00	6.00	8.00	10.00	12.00	14.00	15.00
VELOCITY.2-1(f/s)	0.55	2.20	2.30	2.20	1.10	0.50	0.00	0.00
VELOCITY.2-2(f/s)	0.55	2.20	2.30	2.20	1.10	0.50	0.00	0.00
MEAN VEL.2 (f/s)	0.55	2.20	2.30	2.20	1.10	0.50	0.00	0.00
VELOCITY.8-1(f/s)	-	2.10	1.55	1.80	0.90	-	0.00	0.00
VELOCITY.8-2(f/s)	-	2.10	1.55	1.80	0.90	-	0.00	0.00
MEAN VEL.8 (f/s)	-	2.10	1.55	1.80	0.90	-	0.00	0.00
MEAN VEL (f/s)	0.55	2.15	1.93	2.00	1.00	0.50	0.00	0.00
MEAN VEL (m/s)	0.000	0.168	0.587	0.610	0.305	0.152	0.000	0.000
L/MEAN DEPTH (m)	0.400	2.075	2.575	2.300	1.900	0.825	0.275	-
L/MEAN WIDTH (m)	2.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.80	2.08	2.58	2.30	1.90	0.83	0.28	-
R/MEAN DEPTH (m)	1.225	2.525	2.500	2.100	1.475	0.425	0.100	-
R/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
R/SEC. AREA (m2)	1.23	2.53	2.50	2.10	1.48	0.43	0.10	-
S/AREA (m2)	2.03	4.60	5.08	4.40	3.38	1.25	0.38	-
TOTAL AREA (m2)	2.0	6.6	11.7	16.1	19.5	20.7	21.1	-
S/DISCHARGE(m3/s)	0.34	3.01	2.98	2.68	1.03	0.19	0.00	-
TOTAL DIS. (m3/s)	0.34	3.35	6.33	9.01	10.04	10.23	10.23	-

WATER LEVEL (f) : 4.22 WATER LEVEL (m) : 1.29
 TOTAL DISCHARGE : 10.23 MEAN VELOCITY(m/s) : 0.48
 NOTE : SOME OF SECTIONS ARE APPLIED 0.6 DEPTH METHOD.

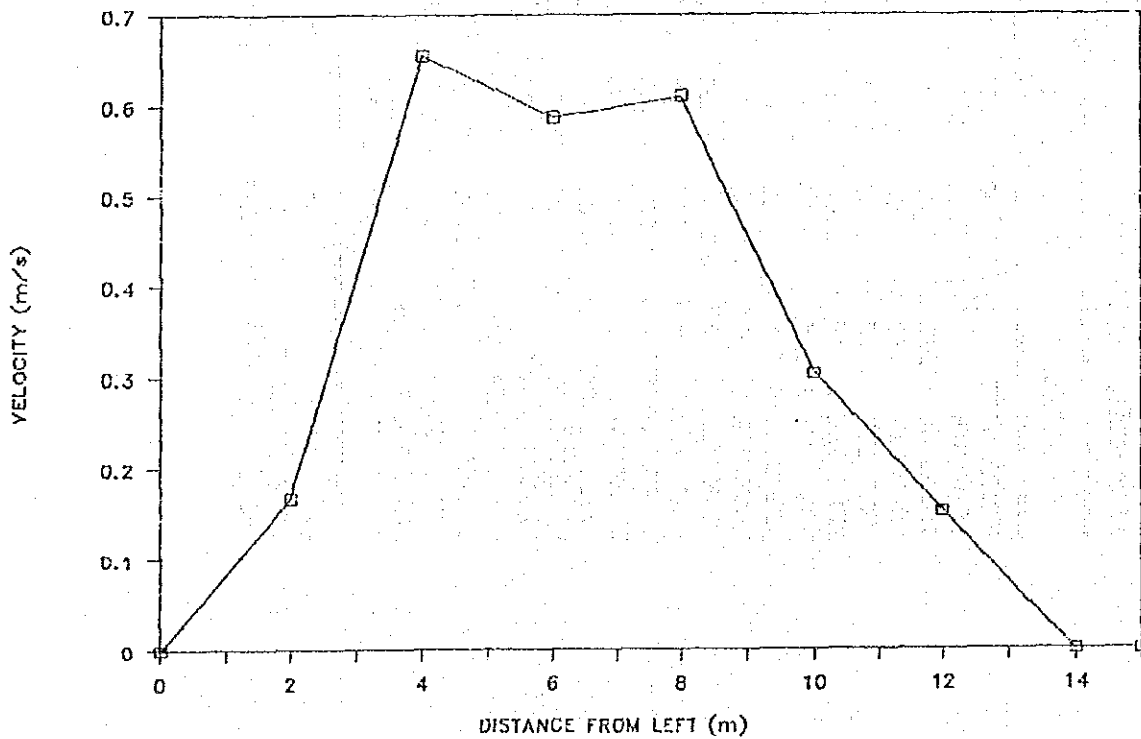
WATER DEPTH (4-130)

25/NOV/91



VELOCITY (4-130)

25/NOV/91



LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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	05-Feb-52		13424				380		
2	06-Mar-52	25.80	19704	7994	2.46	7.86	558	743	0.75
3	18-Mar-52	23.66	17012	4240	4.01	7.21	482	394	1.22
4	23-Mar-52	21.70	13380	4191	3.18	6.61	379	389	0.97
5	29-Apr-52	11.60	4966	2058	2.41	3.54	141	191	0.73
6	21-May-52	8.50	3028	1406	2.15	2.59	86	131	0.66
7	24-May-52	8.80	3752	1325	2.83	2.68	106	123	0.86
8	02-Jun-52	7.80	2859	1199	2.38	2.38	81	111	0.73
9	08-Jun-52	6.80	1993	1091	1.83	2.07	56	101	0.58
10	08-Jul-52	5.90	1699	975	1.74	1.80	48	91	0.53
11	23-Jul-52	5.55	1511	913	1.65	1.69	43	85	0.50
12	15-Aug-52	4.55	1104	760	1.46	1.39	31	71	0.45
13	29-Aug-52	3.95	953	692	1.38	1.20	27	64	0.42
14	24-Oct-52	2.20	488	418	1.17	0.67	14	39	0.36
15	21-Nov-52	3.78	628	629	1.00	1.15	18	58	0.30
16	31-Dec-52	6.50	1797	1081	1.66	1.98	51	100	0.51
17	23-Jan-53	8.00	2718	1315	2.07	2.44	77	122	0.63
18	24-Feb-53	10.40	3613	1687	2.14	3.17	102	157	0.65
19	21-Apr-53	12.80	5683	1967	2.93	3.90	161	185	0.89
20	12-May-53	9.10	3540	1471	2.27	2.77	100	137	0.69
21	04-Jun-53	6.80	2094	1018	2.06	2.07	59	95	0.63
22	29-Jun-53	6.80	1676	943	1.78	2.07	47	88	0.54
23	28-Jul-53	4.48	1148	832	1.38	1.37	33	77	0.42
24	17-Aug-53	3.73	879	692	1.30	1.14	25	64	0.40
25	02-Sep-53	3.10	725	586	1.24	0.94	21	54	0.38
26	24-Sep-53	2.60	520	504	1.03	0.79	15	47	0.31
27	21-Oct-53	1.80	319	420	0.76	0.55	9	39	0.23
28	05-Nov-53	1.50	263	369	0.71	0.46	7	34	0.22
29	25-Nov-53	2.80	306	539	0.57	0.85	9	50	0.17
30	04-Dec-53	5.10	773	806	0.96	1.55	22	75	0.29
31	22-Dec-53	9.30	2956	1362	2.14	2.83	84	128	0.65
32	05-Jan-54	9.30	3500	1461	2.40	2.83	99	136	0.73
33	28-Jan-54	13.10	5999	2208	2.72	3.99	170	205	0.83
34	15-Feb-54	16.74	8250	3282	2.51	5.10	234	305	0.77
35	05-Mar-54	15.44	8028	2909	2.76	4.71	227	270	0.84
36	23-Mar-54	15.10	7544	2788	2.71	4.60	214	259	0.83
37	06-Apr-54	12.64	5581	2003	2.79	3.85	158	186	0.85
38	03-May-54	8.20	2819	1300	2.17	2.50	80	121	0.66
39	02-Jul-54	4.45	908	744	1.22	1.36	26	69	0.37
40	04-Aug-54	3.60	739	648	1.44	1.10	21	60	0.44
41	02-Sep-54	2.70	540	544	0.99	0.82	15	51	0.30
42	30-Sep-54	1.60	302	370	0.81	0.49	9	34	0.25
43	15-Nov-54	2.40	169	477	0.35	0.73	5	44	0.11
44	09-Dec-54	3.70	723	666	1.08	1.13	20	62	0.33
45	11-Jan-55	5.80	1610	946	1.70	1.77	46	88	0.52
46	11-Feb-55	11.55	4766	1965	2.43	3.52	135	183	0.74
47	09-Mar-55	19.10	10188	4044	2.52	5.82	288	376	0.77
48	18-Apr-55	12.45	5903	2183	2.70	3.79	167	203	0.82
49	02-Jun-55	7.20	2244	1207	1.86	2.19	64	112	0.57
50	21-Jul-55	4.45	1107	749	1.48	1.36	31	70	0.45

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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-Aug-55	3.00	673	587	1.15	0.91	19	55	0.35
52	11-Oct-55	2.13	467	418	1.12	0.65	13	39	0.34
53	17-Nov-55	1.80	332	412	0.81	0.55	9	38	0.25
54	13-Nov-56	2.73	661	520	1.27	0.83	19	48	0.39
55	16-Apr-59	5.58	2194	1152	1.90	1.70	62	107	0.58
56	28-Apr-59	4.00	1451	932	1.56	1.22	41	87	0.48
57	28-Jun-59	1.48	515	527	0.98	0.45	15	49	0.30
58	25-Jun-59	1.30	488	499	0.98	0.40	14	46	0.30
59	09-Jul-59	1.12	423	495	0.85	0.34	12	46	0.26
60	23-Jul-59	0.90	345	464	0.74	0.27	10	43	0.23
61	03-Aug-59	0.80	363	429	0.83	0.24	10	40	0.25
62	13-Aug-59	0.67	318	433	0.73	0.20	9	40	0.22
63	17-Sep-59	1.20	236	365	0.65	0.37	7	34	0.20
64	06-Oct-59	1.08	210	242	0.61	0.33	6	22	0.19
65	30-Oct-59	0.89	158	302	0.52	0.27	4	28	0.16
66	19-Nov-59	0.93	165	315	0.53	0.28	5	29	0.16
67	28-Nov-59	1.70	232	409	0.57	0.52	7	38	0.17
68	05-Dec-59	1.71	225	124	0.55	0.52	6	12	0.17
69	18-Dec-59	4.13	705	721	0.98	1.26	20	67	0.30
70	24-Dec-59	4.43	766	755	1.01	1.35	22	70	0.31
71	07-Jan-60	7.52	1658	1245	1.33	2.29	47	116	0.41
72	20-Jan-60	3.83	762	696	1.09	1.17	22	65	0.33
73	08-Feb-60	7.56	2346	1234	1.90	2.30	66	115	0.58
74	22-Feb-60	18.36	8968	3875	2.31	5.60	254	360	0.70
75	21-Mar-60	17.55	9178	3592	2.55	5.35	260	334	0.78
76	04-Apr-60	12.53	5990	2168	2.76	3.82	170	201	0.84
77	11-May-60	6.51	2128	1041	2.04	1.98	60	97	0.62
78	31-May-60	4.70	1260	7855	1.61	1.43	36	730	0.49
79	20-Jun-60	3.85	889	667	1.33	1.17	25	62	0.41
80	20-Jul-60	3.01	652	581	1.12	0.92	18	54	0.34
81	05-Aug-60	2.66	545	534	1.02	0.81	15	50	0.31
82	19-Aug-60	2.32	478	485	0.98	0.71	14	45	0.30
83	21-Oct-60	1.37	208	363	0.57	0.42	6	34	0.17
84	07-Nov-60	1.06	157	334	0.47	0.32	4	31	0.14
85	08-Dec-60	2.13	278	460	0.60	0.65	8	43	0.18
86	23-Dec-60	5.27	1207	888	1.36	1.61	34	82	0.41
87	05-Jan-61	7.37	2128	1209	1.82	2.25	60	112	0.55
88	13-Jan-61	6.19	1551	1026	1.51	1.89	44	95	0.46
89	20-Jan-61	7.21	2127	1180	1.80	2.20	60	110	0.55
90	27-Jan-61	10.32	4112	1671	2.46	3.15	116	155	0.75
91	03-Feb-61	11.28	4527	1887	2.40	3.44	128	175	0.73
92	10-Feb-61	12.75	5788	2236	2.59	3.89	164	208	0.79
93	17-Feb-61	14.00	6735	2560	2.63	4.27	191	238	0.80
94	01-Mar-61	18.09	9286	3800	2.44	5.51	263	353	0.74
95	10-Mar-61	15.95	7576	3038	2.49	4.86	215	282	0.76
96	17-Mar-61	16.70	7330	3243	2.26	5.09	208	301	0.69
97	24-Mar-61	19.07	10070	4042	2.49	5.81	285	376	0.76
98	29-Mar-61	19.13	9524	4033	2.36	5.83	270	375	0.72
99	30-Mar-61	18.48	9723	3782	2.57	5.63	275	351	0.78
100	04-Apr-61	17.45	8361	3503	2.39	5.32	237	325	0.73

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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	06-Apr-61	16.48	8182	3219	2.54	5.02	232	299	0.77
102	10-Apr-61	15.20	7570	2875	2.63	4.63	214	267	0.80
103	11-Apr-61	14.85	6913	2727	2.54	4.53	196	253	0.77
104	12-Apr-61	14.55	6416	2595	2.47	4.43	182	241	0.75
105	14-Apr-61	14.67	6976	2686	2.60	4.47	198	250	0.79
106	17-Apr-61	13.88	6445	2487	2.59	4.23	183	231	0.79
107	18-Apr-61	14.06	6865	2537	2.71	4.29	194	236	0.83
108	20-Apr-61	13.75	6649	2455	2.71	4.19	188	228	0.83
109	21-Apr-61	13.41	6577	2412	2.73	4.09	186	224	0.83
110	22-Apr-61	13.13	6226	2323	2.72	4.00	176	216	0.83
111	24-Apr-61	12.73	5981	2223	2.69	3.88	169	207	0.82
112	25-Apr-61	12.53	5734	2156	2.66	3.82	162	200	0.81
113	27-Apr-61	12.13	5662	2103	2.69	3.70	160	195	0.82
114	28-Apr-61	11.89	5369	2013	2.67	3.62	152	187	0.81
115	01-May-61	11.28	5030	1886	2.67	3.44	142	175	0.81
116	02-May-61	11.10	5018	1839	2.73	3.38	142	171	0.83
117	05-May-61	10.55	4710	1740	2.69	3.22	133	162	0.82
118	08-May-61	10.04	4457	1623	2.75	3.06	126	151	0.84
119	09-May-61	9.90	3962	1586	2.50	3.02	112	147	0.76
120	10-May-61	9.73	3913	1566	2.50	2.97	111	145	0.76
121	11-May-61	9.55	4076	1539	2.65	2.91	115	143	0.81
122	12-May-61	9.40	3785	1531	2.47	2.87	107	142	0.75
123	19-May-61	8.84	3579	1438	2.49	2.69	101	134	0.76
124	26-May-61	7.88	2868	1300	2.21	2.40	81	121	0.67
125	02-Jun-61	7.05	2419	1163	2.08	2.15	68	108	0.63
126	08-Jun-61	6.50	2099	1063	1.97	1.98	59	99	0.60
127	15-Jun-61	5.99	1745	977	1.79	1.83	49	91	0.55
128	22-Jun-61	5.64	1705	940	1.81	1.72	48	87	0.55
129	29-Jun-61	5.27	1478	864	1.71	1.61	42	80	0.52
130	06-Jul-61	4.96	1380	836	1.64	1.51	39	78	0.50
131	13-Jul-61	4.69	1242	788	1.58	1.43	35	73	0.48
132	20-Jul-61	4.37	1114	734	1.52	1.33	32	68	0.46
133	27-Jul-61	4.17	1059	716	1.48	1.27	30	67	0.45
134	03-Aug-61	3.91	967	677	1.43	1.19	27	63	0.44
135	04-Aug-61	3.89	887	631	1.41	1.19	25	59	0.43
136	07-Aug-61	3.76	916	630	1.45	1.15	26	59	0.44
137	09-Aug-61	3.66	849	615	1.38	1.12	24	57	0.42
138	11-Aug-61	3.59	819	609	1.34	1.09	23	57	0.41
139	14-Aug-61	3.49	813	610	1.33	1.06	23	57	0.41
140	16-Aug-61	3.44	803	608	1.32	1.05	23	56	0.40
141	18-Aug-61	3.40	749	593	1.26	1.04	21	55	0.38
142	21-Aug-61	3.30	750	575	1.30	1.01	21	53	0.40
143	23-Aug-61	3.27	725	562	1.29	1.00	21	52	0.39
144	25-Aug-61	3.20	720	563	1.28	0.98	20	52	0.39
145	28-Aug-61	3.13	701	563	1.25	0.95	20	52	0.38
146	30-Aug-61	3.08	663	549	1.21	0.94	19	51	0.37
147	01-Sep-61	3.00	662	548	1.21	0.91	19	51	0.37
148	04-Sep-61	2.87	625	530	1.18	0.87	18	49	0.36
149	06-Sep-61	2.79	600	517	1.16	0.85	17	48	0.35
150	08-Sep-61	2.72	586	512	1.14	0.83	17	48	0.35

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

NO.	DATE	-----[Feet - Second]-----				+++++[Meter - Second]++++			
		H (f)	Q (f ³ /s)	A (f ²)	V (f/s)	H (m)	Q (m ³ /s)	A (m ²)	V (m/s)
151	11-Sep-61	2.61	557	490	1.14	0.80	16	46	0.35
152	13-Sep-61	2.57	530	489	1.08	0.78	15	45	0.33
153	15-Sep-61	2.49	513	474	1.08	0.76	15	44	0.33
154	18-Sep-61	2.36	484	473	1.02	0.72	14	44	0.31
155	20-Sep-61	2.31	461	456	1.01	0.70	13	42	0.31
156	22-Sep-61	2.25	458	455	1.01	0.69	13	42	0.31
157	25-Sep-61	2.18	419	439	0.96	0.66	12	41	0.29
158	27-Sep-61	2.11	418	439	0.95	0.64	12	41	0.29
159	29-Sep-61	2.04	393	419	0.94	0.62	11	39	0.29
160	01-Dec-61	5.34	1362	885	1.54	1.63	39	82	0.47
161	06-Dec-61	6.01	1618	974	1.66	1.83	46	90	0.51
162	08-Dec-61	6.32	1874	1039	1.80	1.93	53	97	0.55
163	15-Dec-61	7.73	2489	1235	2.02	2.36	70	115	0.62
164	18-Dec-61	9.48	3428	1519	2.26	2.89	97	141	0.69
165	20-Dec-61	10.98	4245	1744	2.43	3.35	120	162	0.74
166	22-Dec-61	12.02	4527	2010	2.25	3.66	128	187	0.69
167	27-Dec-61	12.17	4980	2052	2.43	3.71	141	191	0.74
168	29-Dec-61	13.35	5880	2311	2.54	4.07	167	215	0.77
169	03-Jan-62	11.23	4216	1823	2.31	3.42	119	169	0.70
170	05-Jan-62	11.78	5054	1954	2.59	3.59	143	182	0.79
171	08-Jan-62	13.37	6395	2297	2.78	4.08	181	213	0.85
172	10-Jan-62	14.16	6771	2517	2.69	4.32	192	234	0.82
173	12-Jan-62	13.75	6570	2418	2.72	4.19	186	225	0.83
174	14-Jan-62	14.45	7176	2636	2.72	4.40	203	245	0.83
175	15-Jan-62	14.58	6689	2650	2.52	4.44	189	246	0.77
176	17-Jan-62	14.15	6352	2529	2.15	4.31	180	235	0.66
177	19-Jan-62	13.78	5783	2432	2.38	4.20	164	226	0.73
178	22-Jan-62	13.53	5800	2352	2.31	4.12	164	219	0.70
179	24-Jan-62	14.47	6749	2616	2.58	4.41	191	243	0.79
180	26-Jan-62	15.34	7004	2862	2.45	4.68	198	266	0.75
181	29-Jan-62	14.85	6814	2736	2.49	4.53	193	254	0.76
182	31-Jan-62	14.90	6869	2739	2.51	4.54	195	254	0.77
183	02-Feb-62	15.95	8089	3006	2.69	4.86	229	279	0.82
184	05-Feb-62	19.65	11307	4212	2.69	5.99	320	391	0.82
185	07-Feb-62	20.35	11442	4455	2.57	6.20	324	414	0.78
186	12-Feb-62	20.50	12111	4579	2.65	6.25	343	425	0.81
187	12-Feb-62	20.45	10294	4473	2.30	6.23	291	416	0.70
188	14-Feb-62	20.10	10759	4323	2.49	6.13	305	402	0.76
189	16-Feb-62	19.70	10015	4199	2.39	6.00	284	390	0.73
190	19-Feb-62	19.80	9636	4256	2.26	6.04	273	395	0.69
191	21-Feb-62	20.30	10596	4406	2.41	6.19	300	409	0.73
192	26-Feb-62	22.81	13893	5759	2.41	6.95	393	535	0.73
193	28-Feb-62	22.20	13499	5394	2.50	6.77	382	501	0.76
194	02-Mar-62	22.55	13692	5614	2.44	6.87	388	522	0.74
195	05-Mar-62	21.55	12975	5104	2.54	6.57	367	474	0.77
196	07-Mar-62	20.45	11942	4623	2.58	6.23	338	429	0.79
197	09-Mar-62	20.20	11913	4402	2.71	6.16	337	409	0.83
198	12-Mar-62	21.75	15146	5253	2.88	6.63	429	488	0.88
199	14-Mar-62	22.30	14767	5514	2.68	6.80	418	512	0.82
200	16-Mar-62	21.65	13845	5242	2.64	6.60	392	487	0.80

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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)
201	19-Mar-62	21.55	13830	5065	2.73	6.57	392	471	0.83
202	21-Mar-62	23.15	17109	5906	2.90	7.06	484	549	0.88
203	24-Mar-62	26.20	18300	7242	2.53	7.99	518	673	0.77
204	26-Mar-62	24.90	18500	6733	2.75	7.59	524	626	0.84
205	28-Mar-62	24.40	17600	6531	2.69	7.44	498	607	0.82
206	30-Mar-62	24.70	18123	6651	2.72	7.53	513	618	0.83
207	02-Apr-62	24.22	17111	6400	2.67	7.38	485	595	0.81
208	04-Apr-62	25.69	17873	6861	2.61	7.83	506	637	0.80
209	06-Apr-62	24.61	17361	6572	2.64	7.50	492	611	0.80
210	09-Apr-62	22.61	14490	5604	2.59	6.89	410	521	0.79
211	11-Apr-62	22.29	14440	5393	2.68	6.79	409	501	0.82
212	13-Apr-62	23.27	15998	5880	2.72	7.09	453	546	0.83
213	16-Apr-62	21.91	13994	5256	2.66	6.68	396	488	0.81
214	18-Apr-62	21.01	11937	4794	2.49	6.40	338	445	0.76
215	24-Apr-62	19.38	10937	4068	2.69	5.91	310	378	0.82
216	25-Apr-62	19.20	10846	3977	2.73	5.85	307	369	0.83
217	27-Apr-62	19.37	11181	4093	2.73	5.90	317	380	0.83
218	30-Apr-62	19.61	11547	4173	2.77	5.98	327	388	0.84
219	02-May-62	19.32	10889	4045	2.69	5.89	308	376	0.82
220	04-May-62	18.99	10774	3965	2.72	5.79	305	368	0.83
221	07-May-62	17.79	9535	3545	2.69	5.42	270	329	0.82
222	10-May-62	16.71	8281	3179	2.61	5.09	234	295	0.80
223	14-May-62	15.69	8089	2852	2.84	4.78	229	265	0.87
224	21-May-62	14.18	7053	2496	2.83	4.32	200	232	0.86
225	28-May-62	12.93	5940	2194	2.71	3.94	168	204	0.83
226	05-Jun-62	11.51	4914	1888	2.60	3.51	139	175	0.79
227	11-Jun-62	10.70	4514	1703	2.65	3.26	128	158	0.81
228	18-Jun-62	9.82	4037	1527	2.64	2.99	114	142	0.80
229	20-Jun-62	9.67	3868	1508	2.57	2.95	110	140	0.78
230	25-Jun-62	9.18	3412	1434	2.38	2.80	97	133	0.73
231	02-Jul-62	8.73	3235	1348	2.40	2.66	92	125	0.73
232	11-Jul-62	8.25	2924	1271	2.30	2.51	83	118	0.70
233	16-Jul-62	8.01	2719	1205	2.26	2.44	77	112	0.69
234	23-Jul-62	7.69	2469	1162	2.12	2.34	70	108	0.65
235	30-Jul-62	7.29	2363	1112	2.13	2.22	67	103	0.65
236	06-Aug-62	7.00	2141	1058	2.02	2.13	61	98	0.62
237	13-Aug-62	6.67	1992	1014	1.96	2.03	56	94	0.60
238	20-Aug-62	6.30	1885	964	1.96	1.92	53	90	0.60
239	27-Aug-62	6.00	1530	910	1.68	1.83	43	85	0.51
240	03-Sep-62	5.53	1472	858	1.71	1.69	42	80	0.52
241	31-Dec-63	8.05	2657	1288	2.06	2.45	75	120	0.63
242	16-Jan-64	11.42	4130	1864	2.22	3.48	117	173	0.68
243	30-Jan-64	15.55	7994	2935	2.72	4.74	226	273	0.83
244	07-Feb-64	16.07	8182	3092	2.65	4.90	232	287	0.81
245	28-Feb-64	17.13	7799	3391	2.30	5.22	221	315	0.70
246	06-Mar-64	14.49	6540	2639	2.48	4.42	185	245	0.76
247	13-Mar-64	14.55	6681	2571	2.60	4.43	189	239	0.79
248	20-Mar-64	14.86	7036	2738	2.57	4.53	199	254	0.78
249	01-Apr-64	11.85	4922	1867	2.64	3.61	139	173	0.80
250	10-Apr-64	10.43	4233	1748	2.42	3.18	120	162	0.74

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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)
251	17-Apr-64	9.47	3805	1497	2.54	2.89	108	139	0.77
252	23-Apr-64	8.64	3249	1433	2.27	2.63	92	133	0.69
253	01-May-64	7.78	2677	1283	2.09	2.37	76	119	0.64
254	07-May-64	7.15	2304	1002	1.99	2.18	65	93	0.61
255	15-May-64	6.43	1859	1002	1.86	1.96	53	93	0.57
256	22-May-64	5.91	1709	956	1.79	1.80	48	89	0.55
257	29-May-64	5.55	1466	896	1.64	1.69	42	83	0.50
258	05-Jun-64	5.29	1424	857	1.66	1.61	40	80	0.51
259	12-Jun-64	4.98	1255	814	1.54	1.52	36	76	0.47
260	19-Jun-64	4.79	1207	799	1.51	1.46	34	74	0.46
261	27-Jun-64	4.65	1096	779	1.41	1.42	31	72	0.43
262	03-Jul-64	4.50	1107	756	1.46	1.37	31	70	0.45
263	10-Jul-64	4.38	1035	744	1.39	1.34	29	69	0.42
264	24-Jul-64	4.12	918	714	1.29	1.26	26	66	0.39
265	31-Jul-64	3.94	866	689	1.26	1.20	25	64	0.38
266	07-Aug-64	3.76	814	654	1.24	1.15	23	61	0.38
267	21-Aug-64	3.42	732	603	1.21	1.04	21	56	0.37
268	28-Aug-64	3.20	691	568	1.22	0.98	20	53	0.37
269	12-Oct-64	2.25	370	453	0.82	0.69	10	42	0.25
270	27-Oct-64	2.16	295	435	0.68	0.66	8	40	0.21
271	03-Nov-64	2.51	318	476	0.67	0.77	9	44	0.20
272	10-Nov-64	3.26	476	571	0.83	0.99	13	53	0.25
273	20-Nov-64	3.00	415	543	0.76	0.91	12	50	0.23
274	27-Nov-64	4.71	920	792	1.16	1.44	26	74	0.35
275	04-Dec-64	4.26	757	728	1.04	1.30	21	68	0.32
276	08-Dec-64	4.49	795	765	1.04	1.37	23	71	0.32
277	17-Dec-64	4.20	671	716	0.94	1.28	19	67	0.29
278	30-Dec-64	6.39	1671	1043	1.41	1.95	47	97	0.43
279	14-Jan-65	11.93	4139	1978	2.09	3.64	117	184	0.64
280	12-Feb-65	13.25	5845	2343	2.49	4.04	166	218	0.76
281	19-Feb-65	14.82	6241	2716	2.30	4.52	177	252	0.70
282	17-Mar-65	13.89	5597	2478	2.26	4.23	158	230	0.69
283	25-Mar-65	11.91	5057	1996	2.53	3.63	143	185	0.77
284	02-Apr-65	12.14	5508	2066	2.67	3.70	156	192	0.81
285	09-Apr-65	10.62	4587	1726	2.67	3.24	130	160	0.81
286	15-Apr-65	9.58	3759	1521	2.47	2.92	106	141	0.75
287	23-Apr-65	8.40	3044	1328	2.29	2.56	86	123	0.70
288	07-May-65	6.82	2240	1103	2.03	2.08	63	102	0.62
289	28-May-65	5.29	1508	897	1.68	1.61	43	83	0.51
290	04-Jun-65	4.97	1339	860	1.56	1.51	38	80	0.48
291	11-Jun-65	4.72	1226	818	1.50	1.44	35	76	0.46
292	18-Jun-65	4.49	1128	783	1.44	1.37	32	73	0.44
293	25-Jun-65	4.26	1052	747	1.41	1.30	30	69	0.43
294	16-Jul-65	4.02	940	705	1.33	1.23	27	65	0.41
295	30-Jul-65	3.69	837	650	1.29	1.12	24	60	0.39
296	06-Aug-65	3.50	786	617	1.27	1.07	22	57	0.39
297	13-Aug-65	3.27	714	584	1.22	1.00	20	54	0.37
298	20-Aug-65	3.10	631	567	1.11	0.94	18	53	0.34
299	27-Aug-65	2.99	613	544	1.13	0.91	17	51	0.34
300	17-Sep-65	2.52	478	488	0.98	0.77	14	45	0.30

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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)
301	08-Oct-65	2.29	387	458	0.85	0.70	11	43	0.26
302	15-Oct-65	2.28	355	452	0.78	0.69	10	42	0.24
303	22-Oct-65	2.16	331	444	0.74	0.66	9	41	0.23
304	12-Nov-65	2.74	411	514	0.80	0.84	12	48	0.24
305	26-Nov-65	3.33	402	579	0.69	1.01	11	54	0.21
306	03-Dec-65	3.88	567	670	0.85	1.18	16	62	0.26
307	10-Dec-65	5.05	905	845	1.07	1.54	26	79	0.33
308	17-Dec-65	6.27	1630	1010	1.61	1.91	46	94	0.49
309	24-Dec-65	5.53	1343	911	1.47	1.69	38	85	0.45
310	24-Jan-66	6.01	1445	977	1.48	1.83	41	91	0.45
311	08-Feb-66	11.50	4691	1897	2.47	3.51	133	176	0.75
312	07-Mar-66	18.47	8306	3726	2.23	5.63	235	346	0.68
313	06-Apr-66	10.88	4364	1656	2.64	3.32	124	154	0.80
314	21-Apr-66	8.96	3167	1363	2.32	2.73	90	127	0.71
315	06-May-66	6.61	1967	1002	1.96	2.01	56	93	0.60
316	02-Jun-66	5.05	1266	801	1.58	1.54	36	74	0.48
317	24-Jun-66	4.14	950	676	1.41	1.26	27	63	0.43
318	11-Jul-66	3.68	821	634	1.30	1.12	23	59	0.40
319	08-Aug-66	3.05	616	539	1.14	0.93	17	50	0.35
320	19-Aug-66	2.79	514	501	1.02	0.85	15	47	0.31
321	12-Sep-66	2.33	410	451	0.91	0.71	12	42	0.28
322	06-Oct-66	1.93	288	398	0.72	0.59	8	37	0.22
323	01-Nov-66	1.77	217	374	0.58	0.54	6	35	0.18
324	16-Nov-66	2.03	255	420	0.61	0.62	7	39	0.19
325	08-Apr-67	16.51	7676	2853	2.61	5.03	217	265	0.80
326	26-Nov-71	4.68	1139	817	1.39	1.43	32	76	0.42
327	01-Jan-72	9.01	3657	1615	2.26	2.75	104	150	0.69
328	10-Mar-72	17.15	8176	3386	2.41	5.23	232	315	0.73
329	22-Apr-72	13.30	6000	2222	2.70	4.05	170	206	0.82
330	02-Jun-72	6.90	2166	1029	2.10	2.10	61	96	0.64
331	19-Jul-72	5.70	1914	1136	1.68	1.74	54	106	0.51
332	24-Aug-72	4.45	955	666	1.43	1.36	27	62	0.44
333	22-Aug-73	2.31	290	392	0.74	0.70	8	36	0.23
334	13-Sep-73	2.03	298	379	0.79	0.62	8	35	0.24
335	22-Oct-73	1.98	330	347	0.66	0.60	9	32	0.20
336	25-Jan-74	9.81	3275	1543	2.12	2.99	93	143	0.65
337	27-May-74	7.49	1910	1125	1.70	2.28	54	105	0.52
338	21-Jun-74	5.82	1492	885	1.69	1.77	42	82	0.52
339	02-Dec-74	3.72	854	665	1.28	1.13	24	62	0.39
340	21-Jan-75	4.21	5869	2278	2.58	1.28	166	212	0.79
341	11-Nov-75	2.08	274	348	0.79	0.63	8	32	0.24
342	21-May-76	14.29	7900	2800	2.82	4.36	224	260	0.86
343	12-Jun-76	10.45	3845	1660	2.31	3.19	109	154	0.70
344	23-Jul-76	7.46	2487	1243	2.00	2.27	70	115	0.61
345	18-Sep-76	4.95	1387	794	1.75	1.51	39	74	0.53
346	20-Nov-76	4.80	1310	885	1.48	1.46	37	82	0.45
347	13-Dec-76	6.40	2090	1110	1.88	1.95	59	103	0.57
348	27-Jan-77	13.48	5690	2377	2.39	4.11	161	221	0.73
349	14-Feb-77	12.72	5210	2210	2.36	3.88	148	205	0.72
350	06-Mar-77	21.10	10419	4520	2.31	6.43	295	420	0.70

LIST OF FLOW MEASUREMENT

ST.: 4-200 MPATAMATO

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)
351	18-May-77	9.91	3673	1550	2.37	3.02	104	144	0.72
352	23-Jul-77	5.64	1353	781	1.73	1.72	38	73	0.53
353	26-Aug-77	4.70	1305	772	1.69	1.43	37	72	0.52
354	25-Oct-77	2.40	432	454	0.95	0.73	12	42	0.29
355	13-Mar-78	23.62	19483	6878	2.83	7.20	552	639	0.86
356	16-Dec-79	14.95	5548	2266	2.44	4.56	157	211	0.74
357	16-Jun-80	8.70	2833	1375	2.06	2.65	80	128	0.63
358	26-Sep-80	3.86	690	576	1.20	1.18	20	54	0.37
359	20-Nov-80	3.53	619	558	1.11	1.08	18	52	0.34
360	18-Mar-81	19.65	8618	3810	2.26	5.99	244	354	0.69
361	29-Jul-81	5.88	1460	908	1.61	1.79	41	84	0.49
362	03-Sep-81	4.58	1038	731	1.42	1.40	29	68	0.43
363	18-Nov-81	2.61	330	526	0.63	0.80	9	49	0.19
364	10-Mar-82	13.22	5475	2218	2.46	4.03	155	206	0.75
365	20-Sep-83	2.70	513	152	1.03	0.82	15	14	0.31
366	10-Apr-84	10.98	4381	1726	2.53	3.35	124	160	0.77
367	10-Jul-84	3.87	784	635	1.08	1.18	22	59	0.33
368	18-Feb-85	21.70	9602	5249	1.83	6.61	272	488	0.56
369	18-Jun-90	4.72	1634	1060	1.54	1.44	46	98	0.47
370	16-Jul-90	3.22	620	630	0.98	0.98	18	59	0.30
371	20-Aug-90	2.40	440	559	0.79	0.73	12	52	0.24
372	10-Oct-90	1.77	114	205	0.56	0.54	3	19	0.17
373	03-Nov-90	1.51	202	385	0.52	0.46	6	36	0.16
374	21-Dec-90	3.71	485	672	0.72	1.13	14	62	0.22
375	11-Jan-91	8.60	2347	1135	2.07	2.62	66	105	0.63
376	15-Feb-91	18.01	6234	3585	1.74	5.49	177	333	0.53
377	07-Mar-91	13.39	5147	2037	2.53	4.08	146	189	0.77
378	28-Aug-91	3.08	618	607	1.02	0.94	17	56	0.31
379	18-Sep-91	2.36	460	561	0.82	0.72	13	52	0.25
380	20-Oct-91	2.92	600	631	0.95	0.89	17	59	0.29
381	23-Nov-91	2.59	315	417	0.75	0.79	9	39	0.23

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

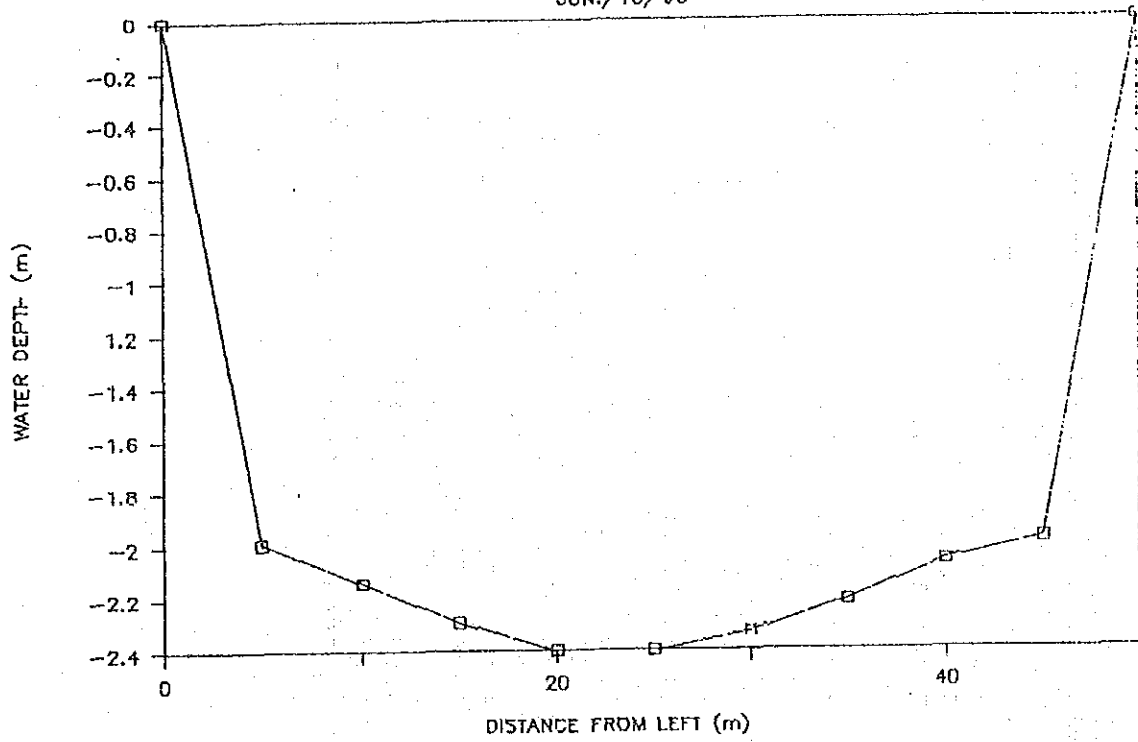
JUN./18/'90

FLOW MEASUREMENT ST. : 4-200 MPATAMATO

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-R
WATER DEPTH (m)	1.99	2.14	2.29	2.40	2.40	2.33	2.21	2.06	1.98	0.00
SE/WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
TOTAL SE/WIDTH(m)	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
VELOCITY.2-1(f/s)	-	-	-	-	-	-	-	-	-	-
VELOCITY.2-2(f/s)	-	-	-	-	-	-	-	-	-	-
MEAN VEL.2 (f/s)	0.95	1.35	1.91	2.04	0.70	2.43	2.33	1.38	0.73	-
VELOCITY.8-1(f/s)	-	-	-	-	-	-	-	-	-	-
VELOCITY.8-2(f/s)	-	-	-	-	-	-	-	-	-	-
MEAN VEL.8 (f/s)	0.74	0.99	1.41	1.76	2.03	2.14	1.73	1.91	0.69	-
MEAN VEL (f/s)	0.95	1.17	1.66	1.90	1.37	2.29	2.03	1.65	0.71	-
MEAN VEL (m/s)	0.258	0.357	0.506	0.579	0.416	0.696	0.619	0.501	0.216	-
L/MEAN DEPTH (m)	0.000	2.103	2.253	2.373	2.400	2.348	2.240	2.098	2.000	-
L/MEAN WIDTH (m)	0.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	-
L/SEC. AREA (m2)	0.00	4.98	5.26	5.93	6.00	5.87	5.60	5.24	5.00	-
R/MEAN DEPTH (m)	0.000	2.178	2.318	2.400	2.383	2.300	2.173	2.000	0.990	-
R/MEAN WIDTH (m)	0.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	-
R/SEC. AREA (m2)	0.00	5.07	5.44	6.00	5.96	5.75	5.43	5.00	4.95	-
S/AREA (m2)	0.00	10.04	10.70	11.93	11.96	11.62	11.03	10.24	9.95	-
TOTAL AREA (m2)	0.0	20.7	32.2	44.1	56.1	67.7	78.7	89.0	98.9	-
S/DISCHARGE(m3/s)	0.00	2.59	3.82	5.78	4.99	8.09	6.83	5.14	2.15	-
TOTAL DIS. (m3/s)	0.00	2.59	6.40	12.18	19.09	24.07	32.16	38.99	44.12	46.28
WATER LEVEL (f) :	4.71									
WATER LEVEL (m) :	1.44									
TOTAL DISCHARGE :	46.28									
MEAN VELOCITY(m/s) :	0.47									

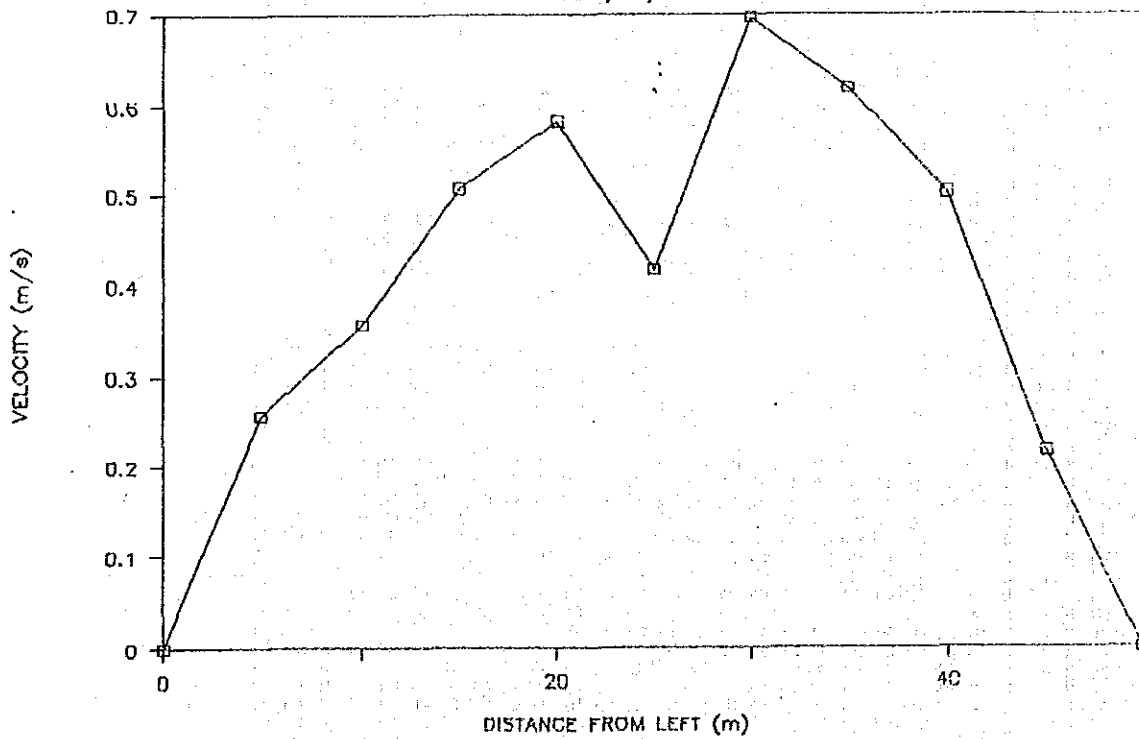
WATER DEPTH (4-200)

JUN./18/90



VELOCITY (4-200)

JUN./18/90



FLOW MEASUREMENT ST. : 4-200 MPATAMATO

JUL./16/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	1.21	1.22	1.33	1.49	1.57	1.67	1.70	1.73	1.79	1.73
SE/WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
VELOCITY.2-1(f/s)	0.00	0.00	0.55	0.75	0.95	1.10	1.55	1.60	1.70	1.75
VELOCITY.2-2(f/s)	0.00	0.00	0.55	0.75	0.95	1.10	1.55	1.60	1.70	1.75
MEAN VEL.2 (f/s)	0.00	0.00	0.55	0.75	0.95	1.10	1.55	1.60	1.70	1.75
VELOCITY.8-1(f/s)	0.00	0.00	0.45	0.50	0.90	0.95	1.10	1.15	1.25	1.30
VELOCITY.8-2(f/s)	0.00	0.00	0.45	0.50	0.90	0.95	1.10	1.15	1.25	1.30
MEAN VEL.8 (f/s)	0.00	0.00	0.45	0.50	0.90	0.95	1.10	1.15	1.25	1.30
MEAN VEL (m/s)	0.00	0.00	0.15	0.19	0.28	0.31	0.40	0.42	0.45	0.46
L/MEAN DEPTH (m)	0.605	1.218	1.303	1.450	1.550	1.645	1.693	1.723	1.775	1.745
L/MEAN WIDTH (m)	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L/SEC. AREA (m2)	1.21	1.22	1.30	1.45	1.55	1.65	1.69	1.72	1.78	1.75
R/MEAN DEPTH (m)	1.213	1.248	1.370	1.510	1.595	1.678	1.708	1.745	1.775	1.725
R/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
R/SEC. AREA (m2)	1.21	1.25	1.37	1.51	1.60	1.68	1.71	1.75	1.78	1.73
S/AREA (m2)	2.42	2.47	2.67	2.96	3.15	3.32	3.40	3.47	3.55	3.47
TOTAL AREA (m2)	2.4	4.9	7.6	10.5	13.7	17.0	20.4	23.9	27.4	30.9
S/DISCHARGE(m3/s)	0.00	0.00	0.41	0.56	0.89	1.04	1.37	1.45	1.60	1.61
TOTAL DIS. (m3/s)	0.00	0.00	0.41	0.97	1.66	2.90	4.27	5.72	7.32	8.93

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

FLOW MEASUREMENT ST. : 4-200 MPATAMATO

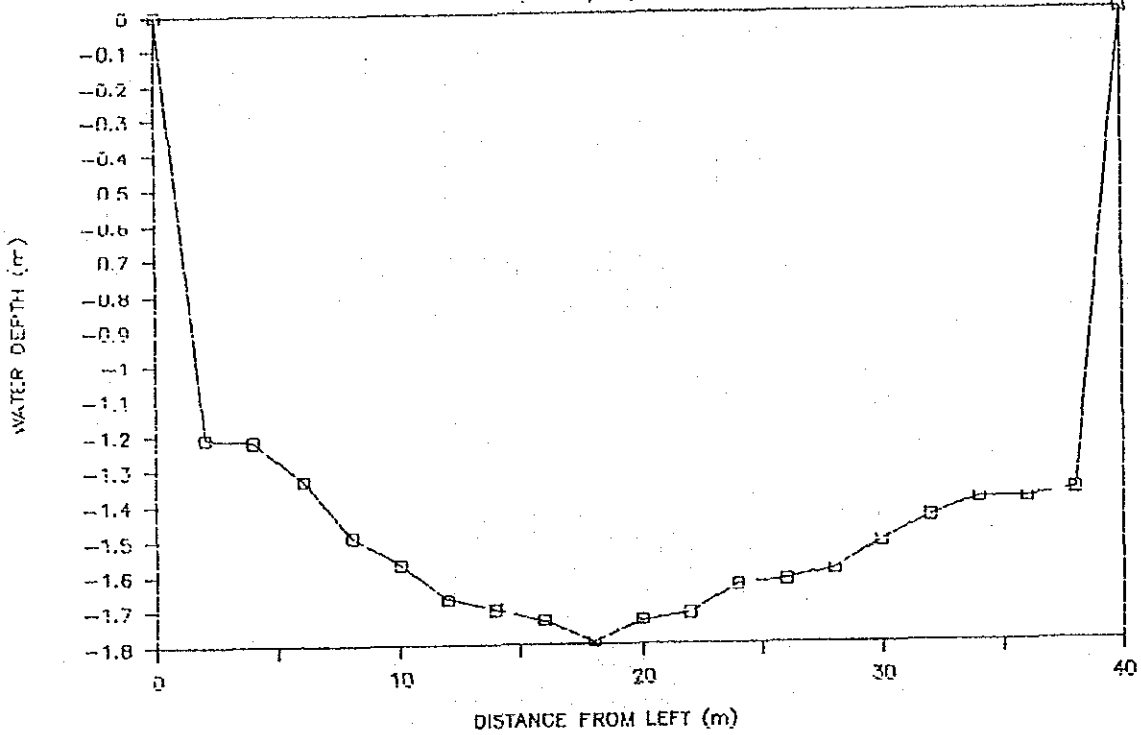
JUL./16/'98

ITEMS	NO-11	NO-12	NO-13	NO-14	NO-15	NO-16	NO-17	NO-18	NO-19	NO-R
WATER DEPTH (m)	1.71	1.63	1.62	1.59	1.51	1.44	1.39	1.39	1.37	0.00
SE/WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00	40.00
VELOCITY.2-1(f/s)	1.25	1.50	1.30	1.30	1.30	1.25	1.15	0.90	0.30	0.00
VELOCITY.2-2(f/s)	1.25	1.50	1.30	1.30	1.30	1.25	1.15	0.90	0.30	0.00
MEAN VEL.2 (f/s)	1.25	1.50	1.30	1.30	1.30	1.25	1.15	0.90	0.30	0.00
VELOCITY.8-1(f/s)	1.10	1.20	1.25	1.10	1.10	0.80	0.80	0.50	0.20	0.00
VELOCITY.8-2(f/s)	1.10	1.20	1.25	1.10	1.10	0.80	0.80	0.50	0.20	0.00
MEAN VEL.8 (f/s)	1.10	1.20	1.25	1.10	1.10	0.80	0.80	0.50	0.20	0.00
MEAN VEL (f/s)	1.18	1.35	1.28	1.20	1.20	1.03	0.98	0.70	0.25	0.00
MEAN VEL (m/s)	0.36	0.41	0.39	0.37	0.37	0.31	0.30	0.21	0.08	0.00
L/MEAN DEPTH (m)	1.715	1.650	1.623	1.598	1.530	1.458	1.403	1.390	1.375	-
L/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	1.72	1.65	1.62	1.60	1.53	1.46	1.40	1.39	1.38	-
R/MEAN DEPTH (m)	1.690	1.628	1.613	1.570	1.493	1.428	1.390	1.385	0.685	-
R/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	-
R/SEC. AREA (m2)	1.69	1.63	1.61	1.57	1.49	1.43	1.39	1.39	1.37	-
S/AREA (m2)	3.41	3.28	3.24	3.17	3.02	2.89	2.79	2.78	2.75	-
TOTAL AREA (m2)	34.3	37.6	40.8	44.0	47.0	49.9	52.7	55.4	58.2	-
S/DISCHARGE(m3/s)	1.22	1.35	1.26	1.16	1.11	0.90	0.83	0.59	0.21	-
TOTAL DIS. (m3/s)	10.15	11.50	12.76	13.91	15.02	15.92	16.75	17.34	17.55	-

WATER LEVEL (f) : 3.20 WATER LEVEL (m) : 0.98
 TOTAL DISCHARGE : 17.55 MEAN VELOCITY(m/s) : 0.30

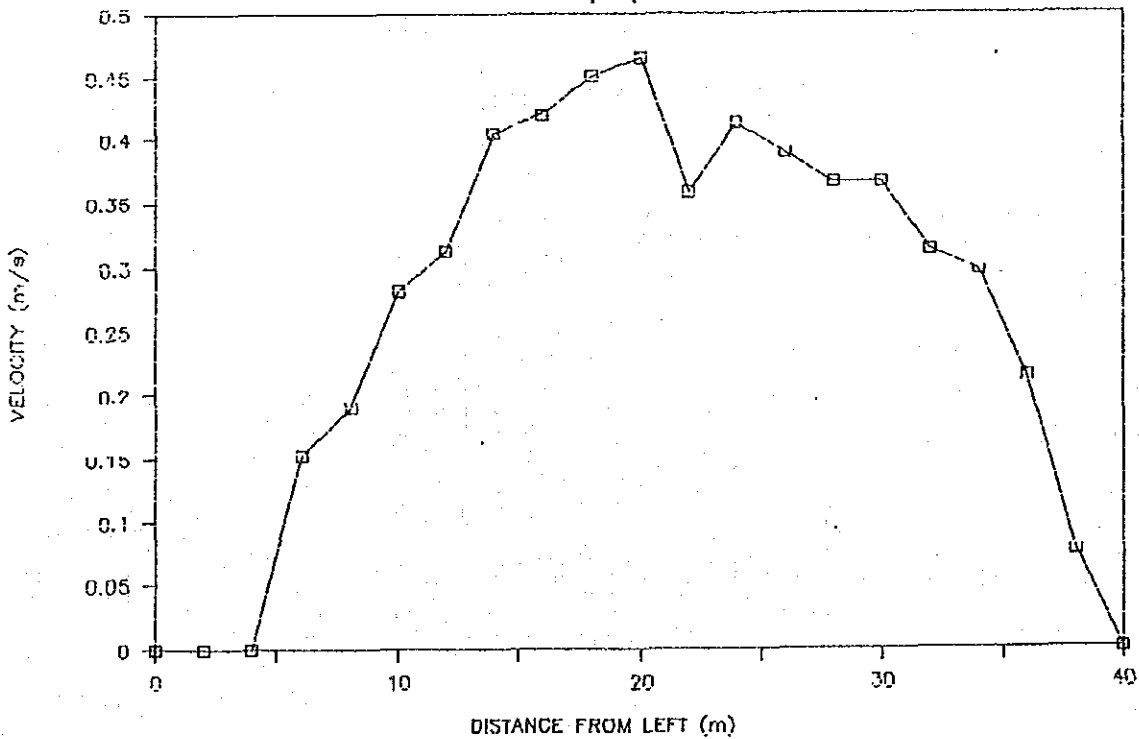
WATER DEPTH (4-200)

JUL./16/90



VELOCITY (4-200)

JUL./16/90



FLOW MEASUREMENT ST. : 4-200 MPATAMATO

AUG./20/90

ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10
WATER DEPTH (m)	0.00	0.97	1.02	1.15	1.25	1.36	1.41	1.45	1.49	1.50	1.53
SE/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
VELOCITY.2-1(f/s)	0.00	0.00	0.20	0.34	0.50	0.81	1.16	1.20	1.30	1.35	1.35
VELOCITY.2-2(f/s)	0.00	0.00	0.20	0.34	0.50	0.81	1.16	1.20	1.30	1.35	1.35
MEAN VEL.2 (f/s)	0.00	0.00	0.20	0.34	0.50	0.81	1.16	1.20	1.30	1.35	1.35
VELOCITY.8-1(f/s)	0.00	0.00	0.20	0.32	0.40	0.62	0.85	0.89	0.90	0.90	0.92
VELOCITY.8-2(f/s)	0.00	0.00	0.20	0.32	0.40	0.62	0.85	0.89	0.90	0.90	0.92
MEAN VEL.8 (f/s)	0.00	0.00	0.20	0.32	0.40	0.62	0.85	0.89	0.90	0.90	0.92
MEAN VEL (f/s)	0.00	0.00	0.20	0.33	0.45	0.72	1.01	1.05	1.10	1.13	1.14
MEAN VEL (m/s)	0.00	0.00	0.06	0.10	0.14	0.22	0.31	0.32	0.34	0.34	0.35
L/MEAN DEPTH (m)	0.000	0.485	1.008	1.118	1.225	1.333	1.398	1.440	1.480	1.498	1.523
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L/SEC. AREA (m2)	0.00	0.97	1.01	1.12	1.23	1.33	1.40	1.44	1.48	1.50	1.52
R/MEAN DEPTH (m)	0.000	0.983	1.053	1.175	1.278	1.373	1.420	1.460	1.493	1.508	1.563
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
R/SEC. AREA (m2)	0.00	0.98	1.05	1.18	1.28	1.37	1.42	1.46	1.49	1.51	1.56
S/AREA (m2)	0.00	1.95	2.06	2.29	2.50	2.71	2.82	2.90	2.97	3.01	3.09
TOTAL AREA (m2)	0.0	2.0	4.0	6.3	8.9	11.5	14.3	17.2	20.2	23.2	26.3
S/DISCHARGE(m3/s)	0.00	0.00	0.13	0.23	0.34	0.59	0.86	0.92	1.00	1.03	1.07
TOTAL DIS. (m3/s)	0.00	0.00	0.13	0.36	0.70	1.29	2.15	3.08	4.07	5.10	6.17

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

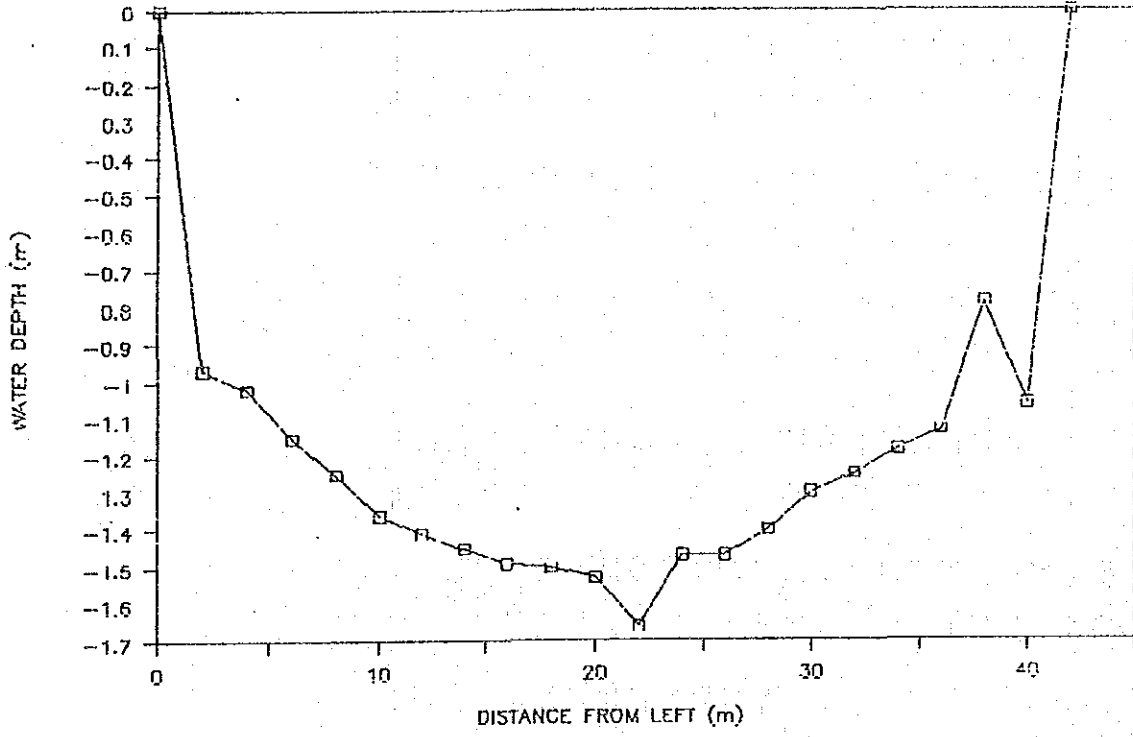
FLOW MEASUREMENT ST. : 4-200 MPATAMATO

AUG./20/'90

ITEMS	NO-11	NO-12	NO-13	NO-14	NO-15	NO-16	NO-17	NO-18	NO-19	NO-20	NO-R
WATER DEPTH (m)	1.66	1.47	1.47	1.40	1.30	1.25	1.18	1.13	0.79	1.06	0.00
SE/WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00	40.00	42.00
VELOCITY.2-1(f/s)	1.00	1.49	1.30	1.17	1.07	0.98	0.97	0.65	0.49	0.29	0.00
VELOCITY.2-2(f/s)	1.00	1.49	1.30	1.17	1.07	0.98	0.97	0.65	0.49	0.29	0.00
MEAN VEL.2 (f/s)	1.00	1.49	1.30	1.17	1.07	0.98	0.97	0.65	0.49	0.29	0.00
VELOCITY.8-1(f/s)	0.72	1.10	0.60	0.64	0.65	0.64	0.60	0.52	0.45	0.18	0.00
VELOCITY.8-2(f/s)	0.72	1.10	0.60	0.64	0.65	0.64	0.60	0.52	0.45	0.18	0.00
MEAN VEL.8 (f/s)	0.72	1.10	0.60	0.64	0.65	0.64	0.60	0.52	0.45	0.18	0.00
MEAN VEL (f/s)	0.86	1.30	0.95	0.91	0.86	0.81	0.78	0.59	0.47	0.24	0.00
MEAN VEL (m/s)	0.26	0.39	0.29	0.28	0.26	0.25	0.24	0.18	0.14	0.07	0.00
L/MEAN DEPTH (m)	1.628	1.518	1.470	1.418	1.325	1.263	1.198	1.143	0.875	0.993	-
L/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	1.63	1.52	1.47	1.42	1.33	1.26	1.20	1.14	0.88	0.99	-
R/MEAN DEPTH (m)	1.613	1.470	1.453	1.375	1.288	1.233	1.168	1.045	0.858	0.530	-
R/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	-
R/SEC. AREA (m2)	1.61	1.47	1.45	1.38	1.29	1.23	1.17	1.05	0.86	1.06	-
S/AREA (m2)	3.24	2.99	2.92	2.79	2.61	2.50	2.37	2.19	1.73	2.05	-
TOTAL AREA (m2)	29.5	32.5	35.4	38.2	40.8	43.3	45.7	47.9	49.6	51.7	-
S/DISCHARGE(m3/s)	0.85	1.18	0.85	0.77	0.68	0.62	0.57	0.39	0.25	0.15	-
TOTAL DIS. (m3/s)	7.02	8.20	9.04	9.82	10.50	11.12	11.68	12.07	12.32	12.47	-
WATER LEVEL (f) :	2.40	WATER LEVEL (m) : 0.73									
TOTAL DISCHARGE :	12.47	MEAN VELOCITY(m/s) : 0.24									

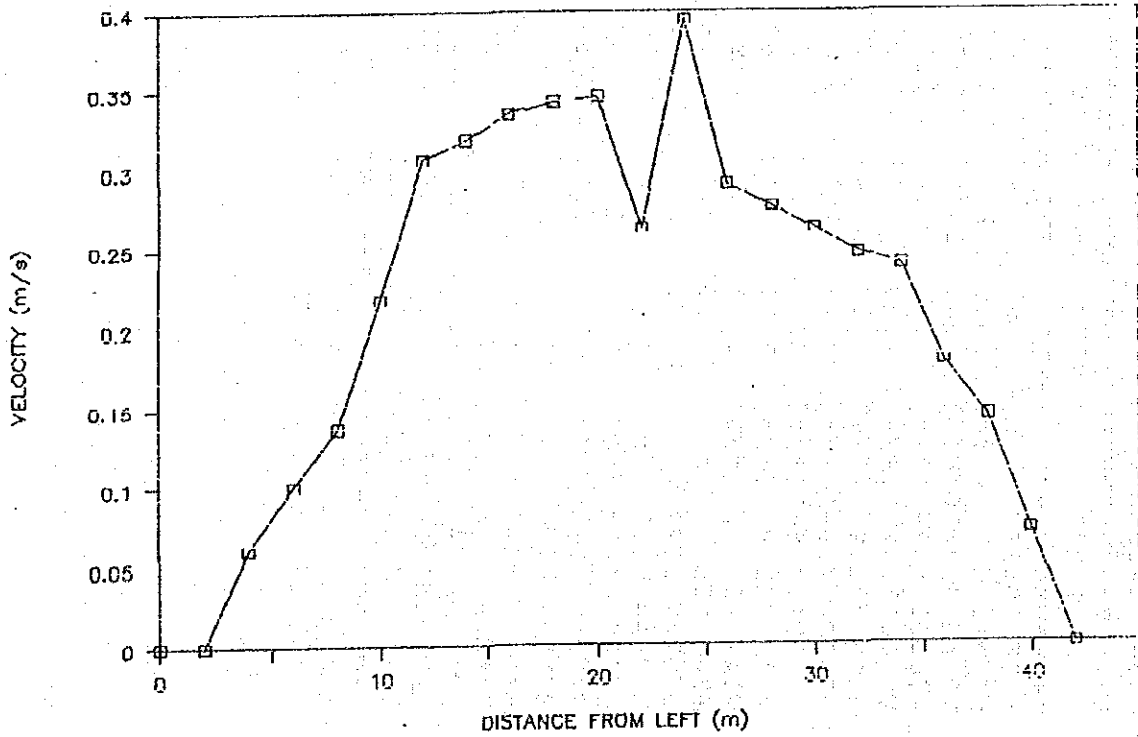
WATER DEPTH (4-200)

AUG./20/90



VELOCITY (4-200)

AUG./20/90



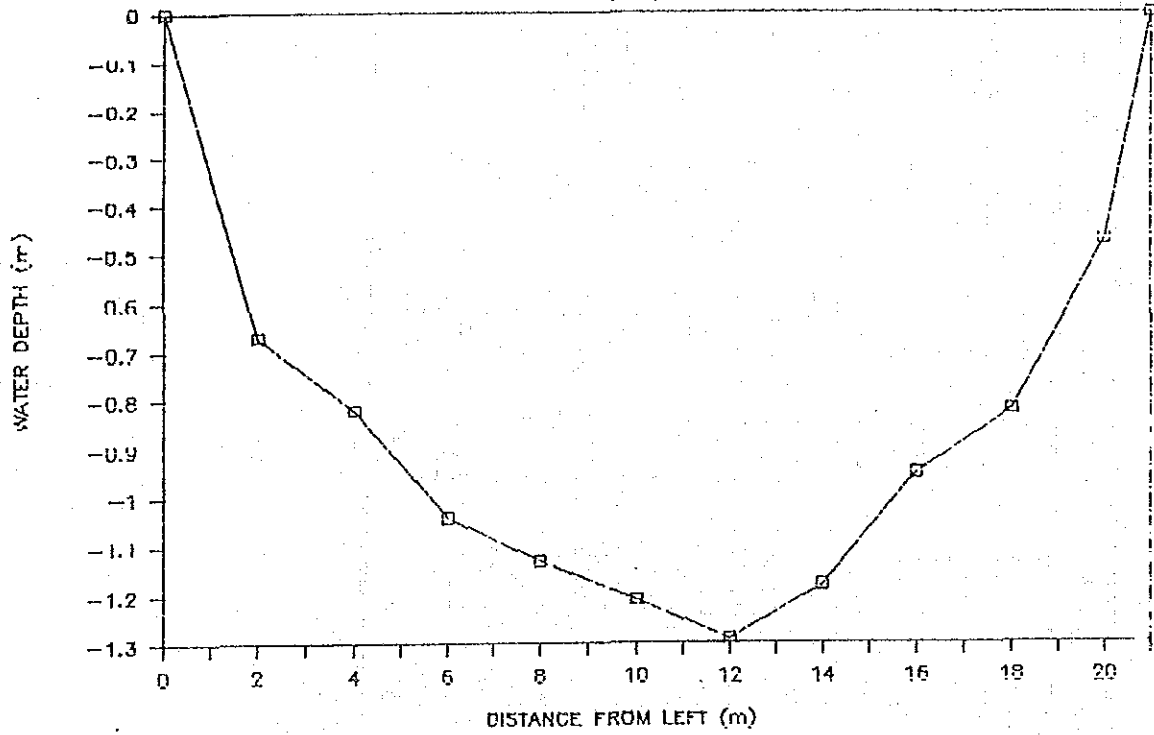
FLOW MEASUREMENT ST. : 4-200 MPATAMATO

OCT./10/'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-R
WATER DEPTH (m)	0.00	0.67	0.82	1.04	1.13	1.21	1.29	1.18	0.95	0.82	0.47	0.00
SE/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	21.00
VELOCITY.2-1(f/s)	0.00	0.00	0.30	0.52	0.85	0.90	1.10	0.65	0.60	0.55	0.10	0.00
VELOCITY.2-2(f/s)	0.00	0.00	0.30	0.52	0.85	0.90	1.10	0.65	0.60	0.55	0.10	0.00
MEAN VEL.2 (f/s)	0.00	0.00	0.30	0.52	0.85	0.90	1.10	0.65	0.60	0.55	0.10	0.00
VELOCITY.8-1(f/s)	0.00	0.00	0.25	0.40	0.70	0.70	0.75	0.50	0.50	0.40	0.05	0.00
VELOCITY.8-2(f/s)	0.00	0.00	0.25	0.40	0.70	0.70	0.75	0.50	0.50	0.40	0.05	0.00
MEAN VEL.8 (f/s)	0.00	0.00	0.25	0.40	0.70	0.70	0.75	0.50	0.50	0.40	0.05	0.00
MEAN VEL (f/s)	0.00	0.00	0.28	0.46	0.78	0.80	0.93	0.58	0.55	0.48	0.08	0.00
MEAN VEL (m/s)	0.00	0.00	0.08	0.14	0.24	0.24	0.28	0.18	0.17	0.14	0.02	0.00
L/MEAN DEPTH (m)	0.000	0.335	0.783	0.985	1.108	1.190	1.270	1.208	1.008	0.853	0.558	-
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	0.00	0.67	0.78	0.99	1.11	1.19	1.27	1.21	1.01	0.85	0.56	-
R/MEAN DEPTH (m)	0.000	0.708	0.875	1.063	1.150	1.230	1.263	1.123	0.918	0.733	0.235	-
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	-
R/SEC. AREA (m2)	0.00	0.71	0.88	1.06	1.15	1.23	1.26	1.12	0.92	0.73	0.00	-
S/AREA (m2)	0.00	1.38	1.66	2.05	2.26	2.42	2.53	2.33	1.93	1.59	0.56	-
TOTAL AREA (m2)	0.0	1.4	3.0	5.1	7.3	9.8	12.3	14.6	16.5	18.1	18.7	-
S/DISCHARGE(m3/s)	0.00	0.00	0.14	0.29	0.53	0.59	0.71	0.41	0.32	0.23	0.01	-
TOTAL DIS. (m3/s)	0.00	0.00	0.14	0.43	0.96	1.55	2.26	2.67	2.99	3.22	3.24	-
WATER LEVEL (f) :	1.78	WATER LEVEL (m) : 0.54										
TOTAL DISCHARGE :	3.24	MEAN VELOCITY(m/s) : 0.17										

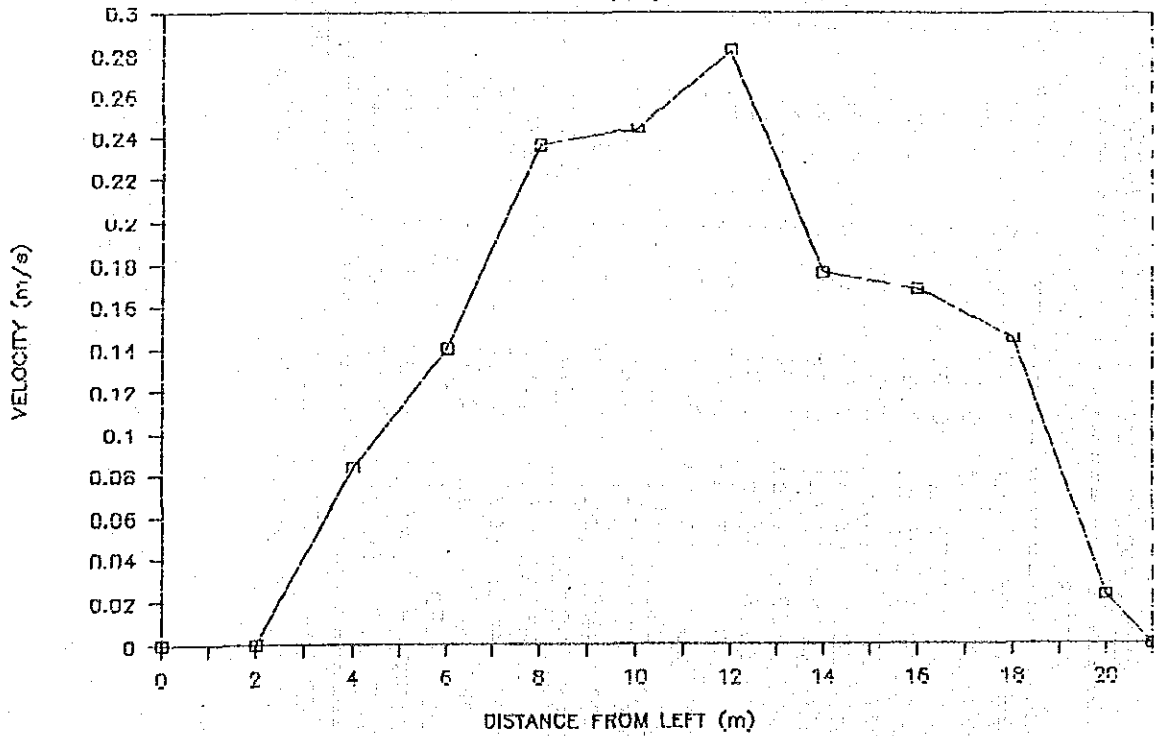
WATER DEPTH (4-200)

001./10/90



VELOCITY (4-200)

001./10/90



FLOW MEASUREMENT ST. : 4-200 MPATAMATO

NOV./03/'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	0.60	0.65	0.75	0.88	0.97	1.02	1.08	1.11	1.13	1.16	1.10
SE/WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
VELOCITY.2-1(f/s)	0.00	0.00	0.00	0.20	0.42	0.75	0.75	0.80	0.80	0.85	0.85	0.82
VELOCITY.2-2(f/s)	0.00	0.00	0.00	0.20	0.42	0.75	0.75	0.80	0.80	0.85	0.85	0.82
MEAN VEL.2 (f/s)	0.00	0.00	0.00	0.20	0.42	0.75	0.75	0.80	0.80	0.85	0.85	0.82
VELOCITY.8-1(f/s)	0.00	0.00	0.00	0.15	0.40	0.60	0.60	0.65	0.75	0.75	0.72	0.62
VELOCITY.8-2(f/s)	0.00	0.00	0.00	0.15	0.40	0.60	0.60	0.65	0.75	0.75	0.72	0.62
MEAN VEL.8 (f/s)	0.00	0.00	0.00	0.15	0.40	0.60	0.60	0.65	0.75	0.75	0.72	0.62
MEAN VEL (f/s)	0.00	0.00	0.00	0.18	0.41	0.68	0.68	0.73	0.78	0.80	0.79	0.72
MEAN VEL (m/s)	0.00	0.00	0.00	0.05	0.12	0.21	0.21	0.22	0.24	0.24	0.24	0.22
L/MEAN DEPTH (m)	0.000	0.300	0.638	0.725	0.848	0.948	1.008	1.065	1.103	1.125	1.153	1.115
L/MEAN WIDTH (m)	0.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L/SEC. AREA (m2)	0.00	0.60	0.64	0.73	0.85	0.95	1.01	1.07	1.10	1.13	1.15	1.12
R/MEAN DEPTH (m)	0.000	0.613	0.675	0.783	0.903	0.983	1.035	1.088	1.115	1.138	1.145	1.088
R/MEAN WIDTH (m)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
R/SEC. AREA (m2)	0.00	0.61	0.68	0.78	0.90	0.98	1.04	1.09	1.12	1.14	1.15	1.09
S/AREA (m2)	0.00	1.21	1.31	1.51	1.75	1.93	2.04	2.15	2.22	2.26	2.30	2.20
TOTAL AREA (m2)	0.0	1.2	2.5	4.0	5.8	7.7	9.8	11.9	14.1	16.4	18.7	20.9
S/DISCHARGE(m3/s)	0.00	0.00	0.00	0.08	0.22	0.40	0.42	0.48	0.52	0.55	0.55	0.48
TOTAL DIS. (m3/s)	0.00	0.00	0.00	0.08	0.30	0.70	1.12	1.59	2.12	2.67	3.22	3.70

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

FLOW MEASUREMENT ST. : 4-200 MPATAMATO

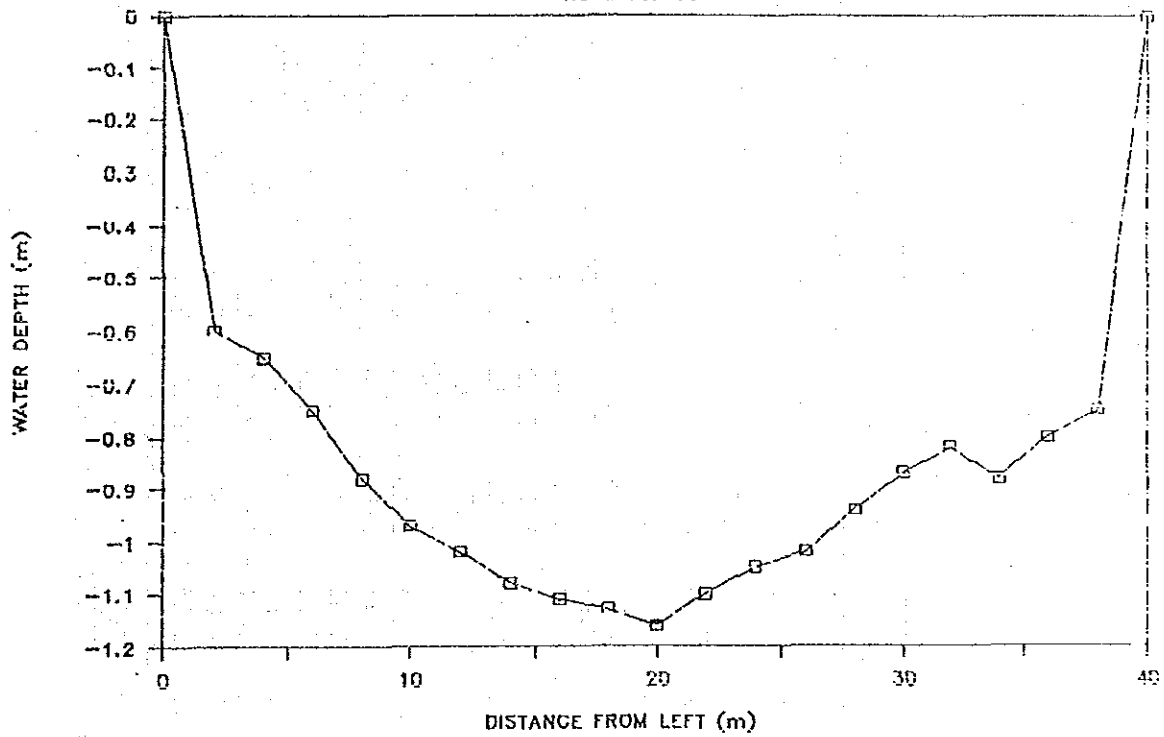
NOV./03/'90

ITEMS	NO-12	NO-13	NO-14	NO-15	NO-16	NO-17	NO-18	NO-19	NO-R
WATER DEPTH (m)	1.05	1.02	0.94	0.87	0.82	0.88	0.80	0.75	0.00
SE/WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
TOTAL SE/WIDTH(m)	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00	40.00
VELOCITY.2-1(f/s)	0.80	0.70	0.63	0.63	0.62	0.51	0.26	0.00	0.00
VELOCITY.2-2(f/s)	0.80	0.70	0.63	0.63	0.62	0.51	0.26	0.00	0.00
MEAN VEL.2 (f/s)	0.80	0.70	0.63	0.63	0.62	0.51	0.26	0.00	0.00
VELOCITY.8-1(f/s)	0.62	0.56	0.46	0.50	0.33	0.32	0.18	0.00	0.00
VELOCITY.8-2(f/s)	0.62	0.56	0.46	0.50	0.33	0.32	0.18	0.00	0.00
MEAN VEL.8 (f/s)	0.62	0.56	0.46	0.50	0.33	0.32	0.18	0.00	0.00
MEAN VEL (f/s)	0.71	0.63	0.55	0.57	0.48	0.42	0.22	0.00	0.00
MEAN VEL (m/s)	0.22	0.19	0.17	0.17	0.14	0.13	0.07	0.00	0.00
L/MEAN DEPTH (m)	1.063	1.028	0.960	0.888	0.833	0.865	0.820	0.763	-
L/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
L/SEC. AREA (m2)	1.06	1.03	0.96	0.89	0.83	0.87	0.82	0.76	-
R/MEAN DEPTH (m)	1.043	1.000	0.923	0.858	0.835	0.860	0.788	0.375	-
R/MEAN WIDTH (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	-
R/SEC. AREA (m2)	1.04	1.00	0.92	0.86	0.84	0.86	0.79	0.75	-
S/AREA (m2)	2.11	2.03	1.88	1.75	1.67	1.73	1.61	1.51	-
TOTAL AREA (m2)	23.0	25.0	26.9	28.6	30.3	32.0	33.6	35.2	-
S/DISCHARGE(m3/s)	0.46	0.39	0.31	0.30	0.24	0.22	0.11	0.00	-
TOTAL DIS. (m3/s)	4.16	4.55	4.86	5.16	5.40	5.62	5.73	5.73	-

WATER LEVEL (f) : 1.50 WATER LEVEL (m) : 0.46
 TOTAL DISCHARGE : 5.73 MEAN VELOCITY(m/s) : 0.16

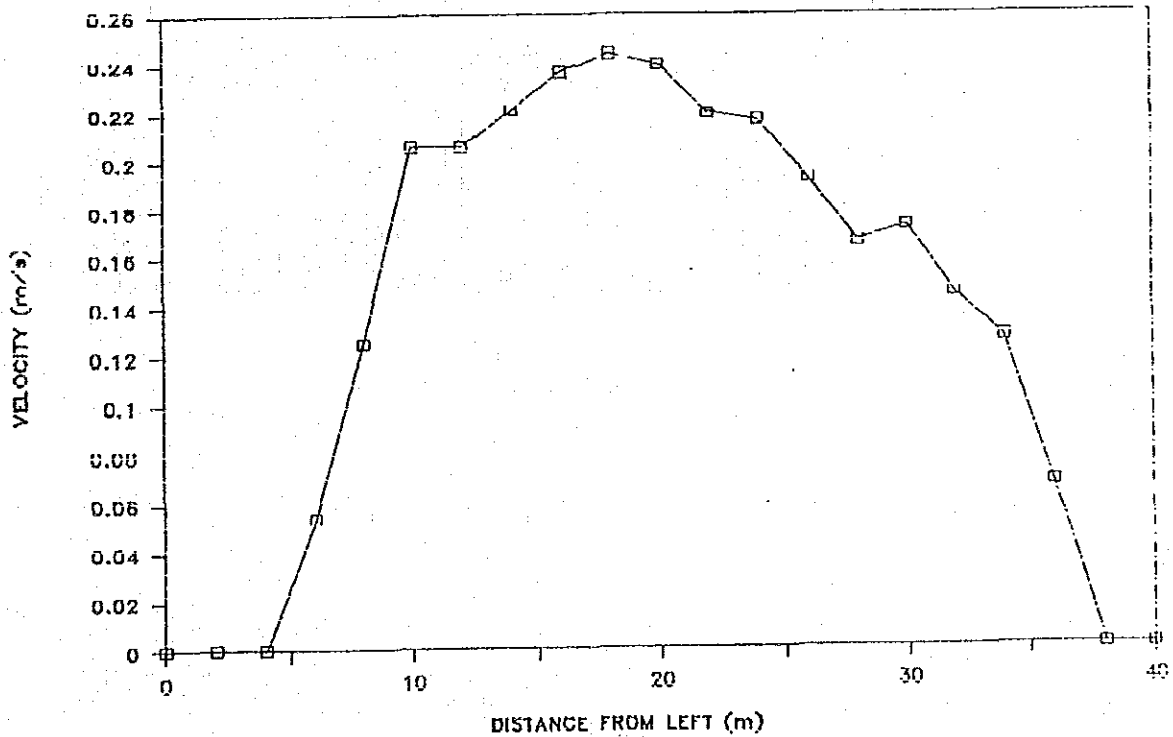
WATER DEPTH (4-200)

NOV/03/90



VELOCITY (4-200)

NOV/03/90



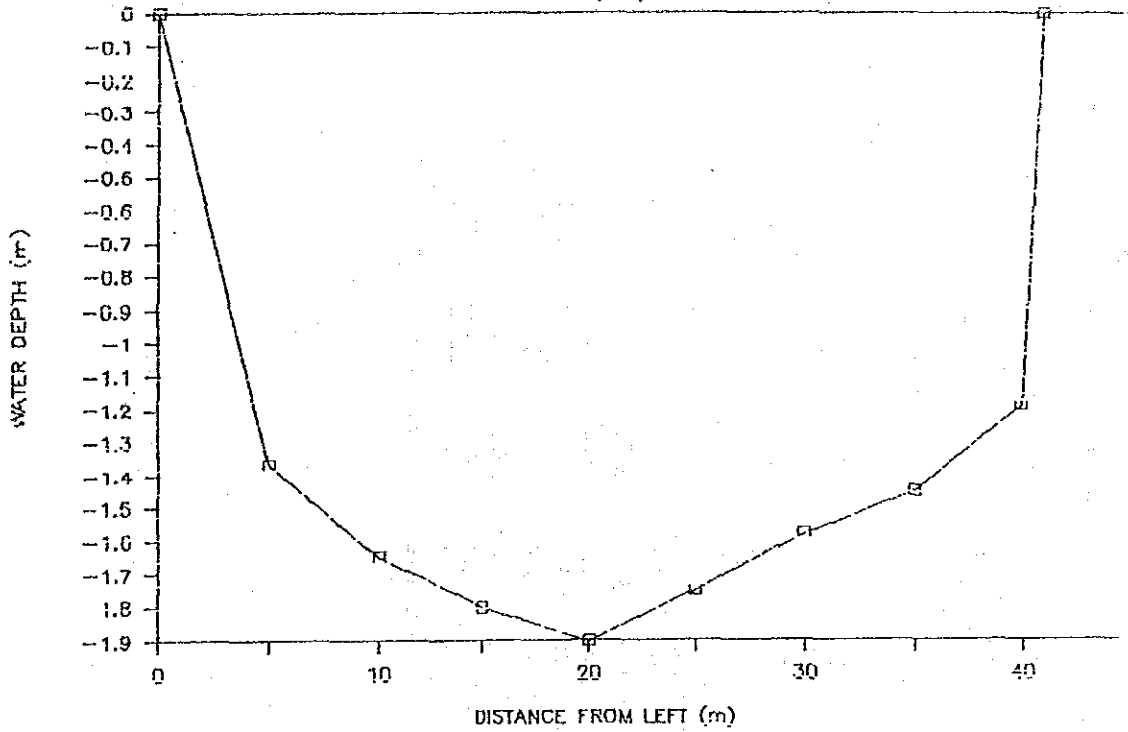
FLOW MEASUREMENT ST. : 4-200 MPATAMATO DEC./21/'90

ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-R
WATER DEPTH (m)	1.37	1.65	1.80	1.90	1.75	1.58	1.45	1.19	0.00
SE/WIDTH (m)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	1.00
TOTAL SE/WIDTH(m)	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	41.00
VELOCITY 2-1(f/s)	0.00	0.70	1.20	1.28	1.29	1.06	0.68	0.00	0.00
VELOCITY 2-2(f/s)	0.00	0.70	1.20	1.28	1.29	1.06	0.68	0.00	0.00
MEAN VEL. 2 (f/s)	0.00	0.70	1.20	1.28	1.29	1.06	0.68	0.00	0.00
VELOCITY 8-1(f/s)	0.00	0.48	0.91	0.84	0.89	0.76	0.48	0.00	0.00
VELOCITY 8-2(f/s)	0.00	0.48	0.91	0.84	0.89	0.76	0.48	0.00	0.00
MEAN VEL. 8 (f/s)	0.00	0.48	0.91	0.84	0.89	0.76	0.48	0.00	0.00
MEAN VEL (f/s)	0.00	0.59	1.06	1.06	1.09	0.91	0.58	0.00	0.00
MEAN VEL (m/s)	0.00	0.18	0.32	0.32	0.33	0.28	0.18	0.00	0.00
L/MEAN DEPTH (m)	0.000	1.580	1.763	1.875	1.788	1.623	1.483	1.255	-
L/MEAN WIDTH (m)	0.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	-
L/SEC. AREA (m2)	0.00	3.43	4.41	4.69	4.47	4.06	3.71	3.14	-
R/MEAN DEPTH (m)	0.000	1.440	1.688	1.863	1.708	1.548	1.385	0.595	-
R/MEAN WIDTH (m)	0.00	2.50	2.50	2.50	2.50	2.50	2.50	1.00	-
R/SEC. AREA (m2)	0.00	3.50	4.22	4.66	4.27	3.87	3.46	0.60	-
S/AREA (m2)	0.00	7.03	8.17	9.34	8.74	7.93	7.17	3.73	-
TOTAL AREA (m2)	0.0	7.0	15.2	33.5	42.2	50.2	57.3	61.1	-
S/DISCHARGE(m3/s)	0.00	0.00	1.47	3.02	2.90	2.20	1.27	0.00	-
TOTAL DIS. (m3/s)	0.00	1.47	4.35	7.37	10.27	12.47	13.74	13.74	-

WATER LEVEL (f) : 3.70 WATER LEVEL (m) : 1.13
 TOTAL DISCHARGE : 13.74 MEAN VELOCITY(m/s) : 0.22

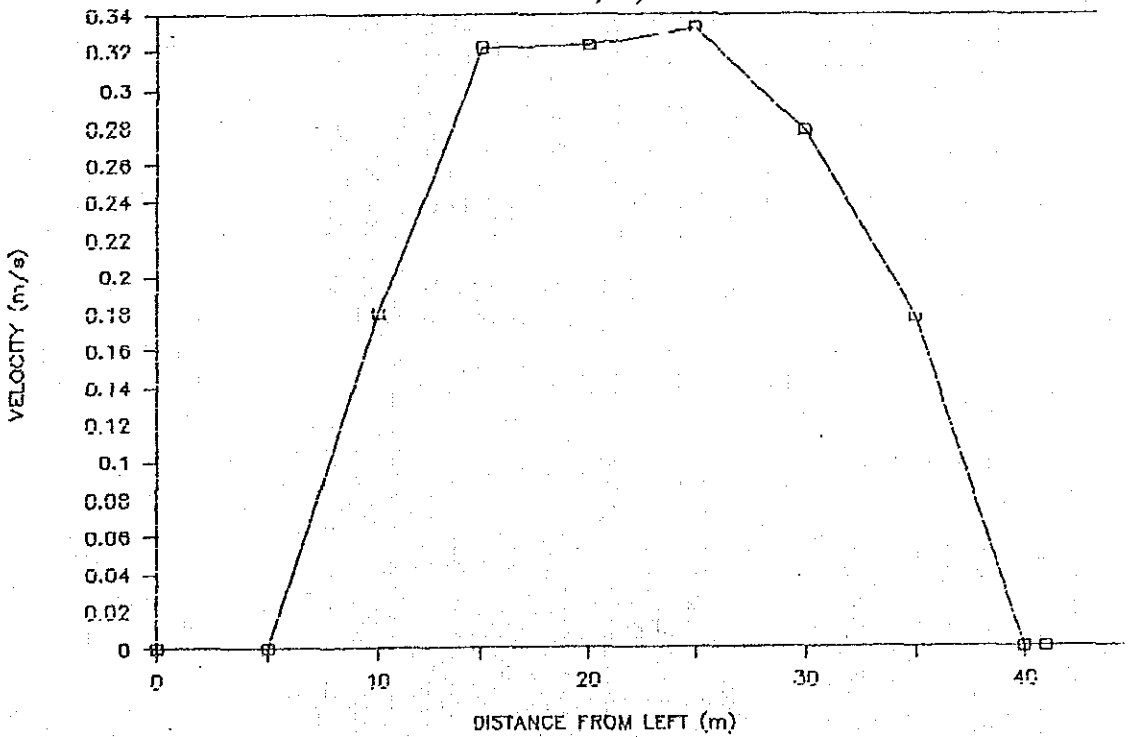
WATER DEPTH (4-200)

DEC./21/90



VELOCITY (4-200)

DEC./21/90

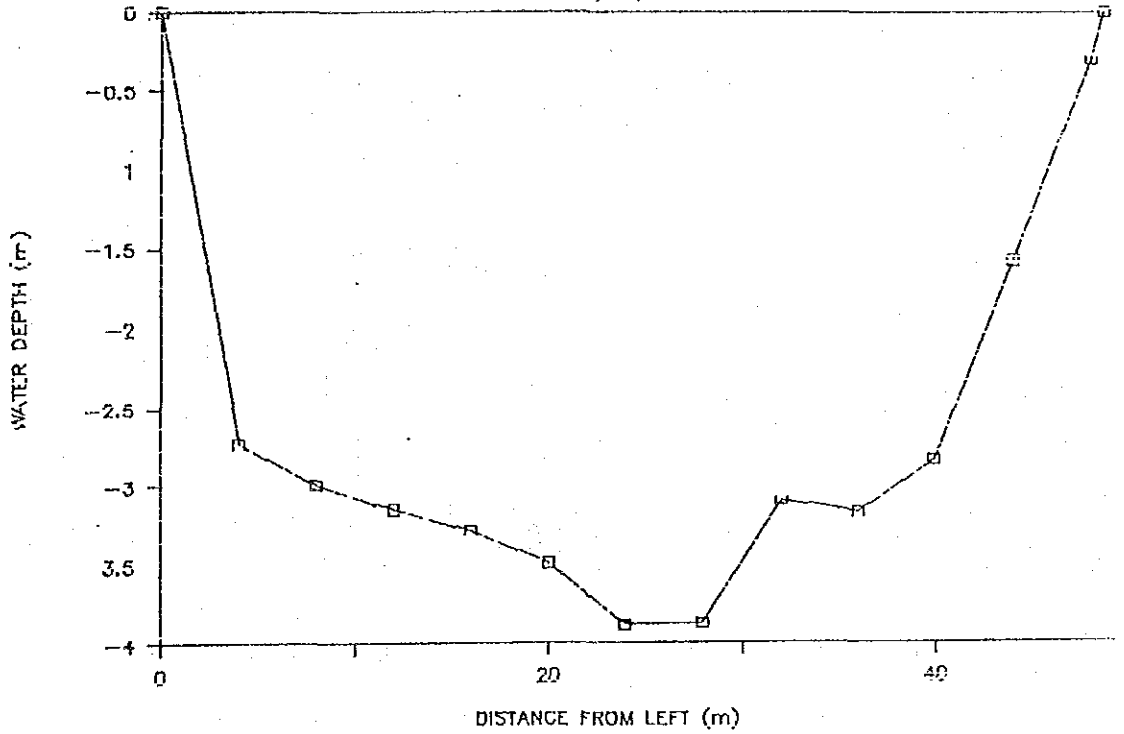


ITEMS	ND-1	ND-2	ND-3	ND-4	ND-5	ND-6	ND-7	ND-8	ND-9	ND-10	ND-11	ND-12	ND-R
WATER DEPTH (m)	0.00	2.73	2.99	3.15	3.29	3.49	3.88	3.97	3.09	3.17	2.83	0.31	0.00
SE/WIDTH (m)	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	0.70
TOTAL SE/WIDTH(m)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	48.00	48.70
VELOCITY.2-1(f/s)	0.00	0.10	0.52	1.32	2.18	2.60	2.90	2.58	2.50	2.08	0.80	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.10	0.52	1.32	2.18	2.60	2.90	2.58	2.50	2.08	0.80	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.10	0.52	1.32	2.18	2.60	2.90	2.58	2.50	2.08	0.80	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.08	0.40	0.80	1.72	2.20	2.58	2.20	2.10	1.70	0.62	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.08	0.40	0.80	1.72	2.20	2.58	2.20	2.10	1.70	0.62	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.08	0.40	0.80	1.72	2.20	2.58	2.20	2.10	1.70	0.62	0.00	0.00
MEAN VEL. (f/s)	0.00	0.09	0.46	1.05	1.95	2.40	2.74	2.39	2.30	1.89	0.71	0.00	0.00
MEAN VEL. (m/s)	0.00	0.03	0.14	0.32	0.59	0.73	0.84	0.73	0.70	0.58	0.22	0.00	0.00
L/MEAN DEPTH (m)	0.000	1.365	2.925	3.110	3.255	3.440	3.783	3.873	3.285	3.150	2.915	1.893	0.628
L/MEAN WIDTH (m)	0.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	0.00	5.46	5.85	6.22	6.51	6.88	7.57	7.75	6.57	6.30	5.83	3.79	1.26
R/MEAN DEPTH (m)	0.000	2.795	3.030	3.185	3.340	3.588	3.873	3.675	3.110	3.085	2.518	1.263	0.155
R/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
R/SEC. AREA (m2)	0.00	5.59	6.05	6.37	6.68	7.18	7.76	7.35	6.22	6.17	5.04	2.53	0.11
S/AREA (m2)	0.00	11.05	11.91	12.59	13.19	14.06	15.32	15.10	12.79	12.47	10.87	6.31	1.36
TOTAL AREA (m2)	0.0	11.1	23.0	36.5	48.7	62.8	78.1	96.2	106.0	118.5	129.3	135.6	137.0
S/DISCHARGE(m3/s)	0.00	0.30	1.67	4.07	7.84	10.28	12.79	11.00	8.97	7.18	2.35	0.00	0.00
TOTAL DIS. (m3/s)	0.00	0.30	1.97	6.04	13.88	24.16	36.96	47.95	56.92	64.10	66.45	66.45	-

WATER LEVEL (f) : 8.60 WATER LEVEL (m) : 2.62
 TOTAL DISCHARGE : 66.45 MEAN VELOCITY(m/s) : 0.63

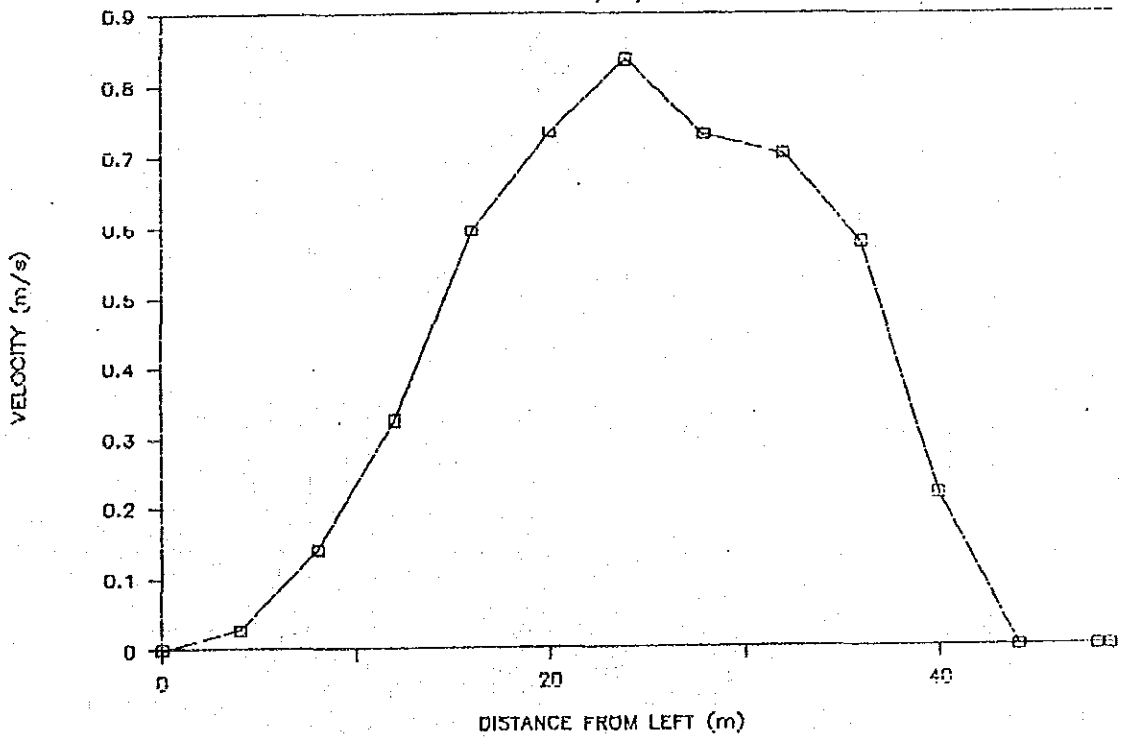
WATER DEPTH (4-200)

JAN./11/91



VELOCITY (4-200)

JAN./11/91



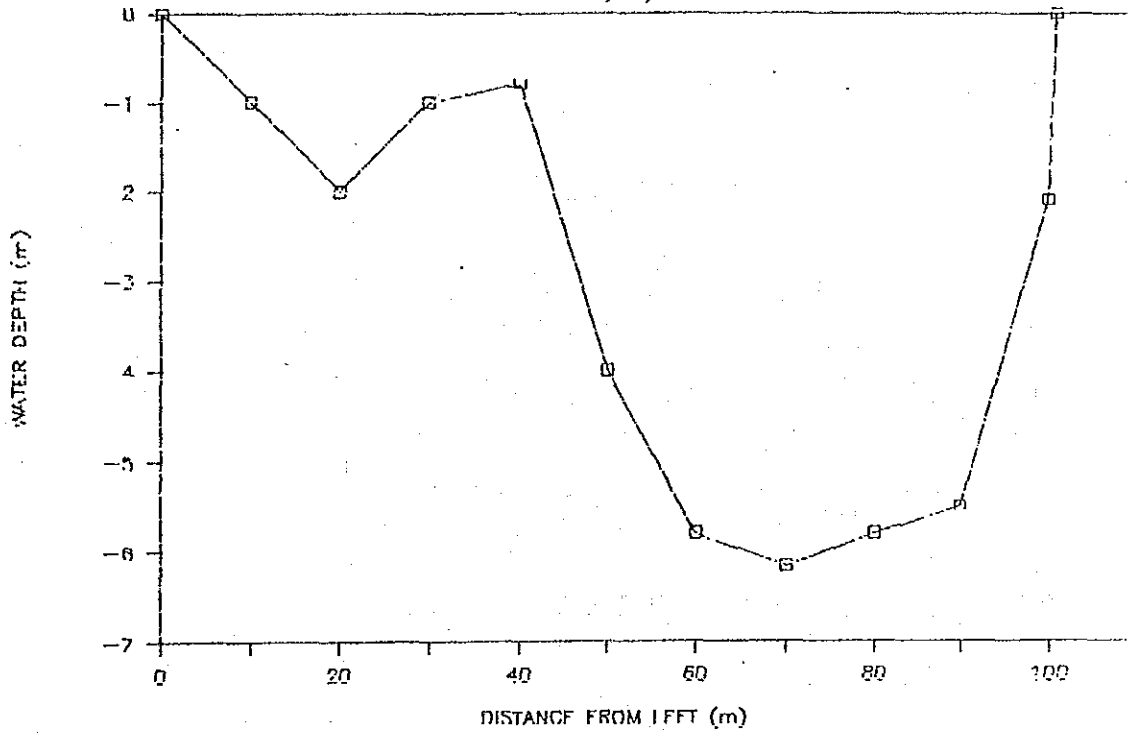
FLOW MEASUREMENT ST. : 4-200 MPATAMATO FEB./15/'91

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	1.00	2.00	1.00	0.80	4.00	5.80	6.15	5.80	5.50	2.10	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	1.00
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	101.00
VELOCITY.2-1(f/s)	0.00	0.20	1.40	1.10	0.20	0.30	1.60	2.50	3.50	1.80	1.50	0.00
VELOCITY.2-2(f/s)	0.00	0.20	1.40	1.10	0.20	0.30	1.60	2.60	3.50	1.80	1.50	0.00
MEAN VEL.2 (f/s)	0.00	0.20	1.40	1.10	0.20	0.30	1.60	2.55	3.50	1.80	1.50	0.00
VELOCITY.8-1(f/s)	0.00	0.10	1.10	0.90	-	0.20	1.55	2.00	3.40	1.60	0.90	0.00
VELOCITY.8-2(f/s)	0.00	0.10	1.10	0.90	-	0.20	1.55	2.00	3.40	1.60	0.90	0.00
MEAN VEL.8 (f/s)	0.00	0.10	1.10	0.90	-	0.20	1.55	2.00	3.40	1.60	0.90	0.00
MEAN VEL (f/s)	0.00	0.15	1.25	1.00	0.20	0.25	1.58	2.28	3.45	1.70	1.20	0.00
MEAN VEL (m/s)	0.00	0.05	0.38	0.30	0.06	0.08	0.48	0.69	1.05	0.52	0.37	0.00
L/MEAN DEPTH (m)	0.000	0.500	1.750	1.250	0.850	3.200	5.350	6.063	5.888	5.575	2.950	-
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	5.00	8.75	6.25	4.25	16.00	26.75	30.31	29.44	27.88	14.75	-
R/MEAN DEPTH (m)	0.000	1.250	1.750	0.950	1.600	4.450	5.888	6.063	5.725	4.650	1.050	-
R/MEAN WIDTH (m)	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	1.00	-
R/SEC. AREA (m2)	0.00	6.25	8.75	4.75	8.00	22.25	29.44	30.31	28.63	23.25	1.05	-
S/AREA (m2)	0.00	11.25	17.50	11.00	12.25	36.25	56.19	60.63	58.06	51.13	15.80	-
TOTAL AREA (m2)	0.0	11.3	28.8	39.8	52.0	90.3	146.4	207.1	265.1	316.3	332.1	-
S/DRAINAGE (m3/s)	0.00	0.51	6.67	3.35	0.75	2.91	26.97	42.04	51.06	26.49	5.78	-
TOTAL DIS. (m3/s)	0.00	0.51	7.18	10.53	11.28	14.20	41.17	83.21	144.26	170.76	176.53	-

WATER LEVEL (f) : 18.00 WATER LEVEL (m) : 5.49
 TOTAL DIS. : 176.53 MEAN VELOCITY(m/s) : 0.53

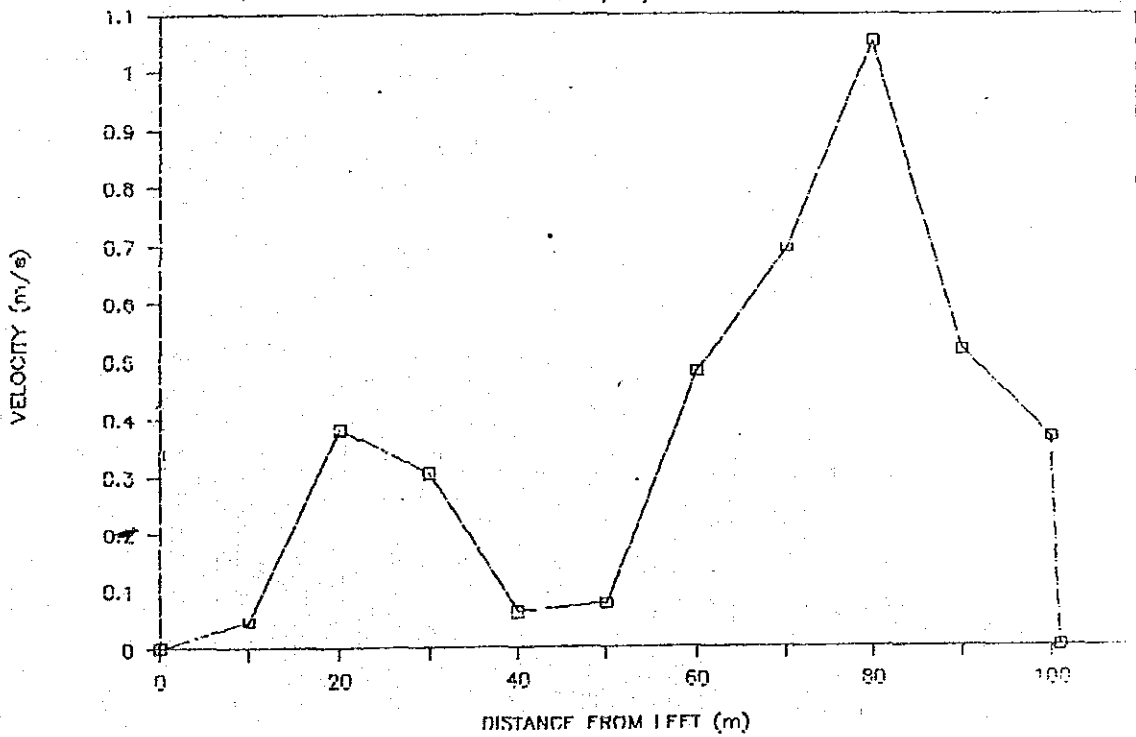
WATER DEPTH (4-200)

FEB./15/01



VELOCITY (4-200)

FEB./15/01



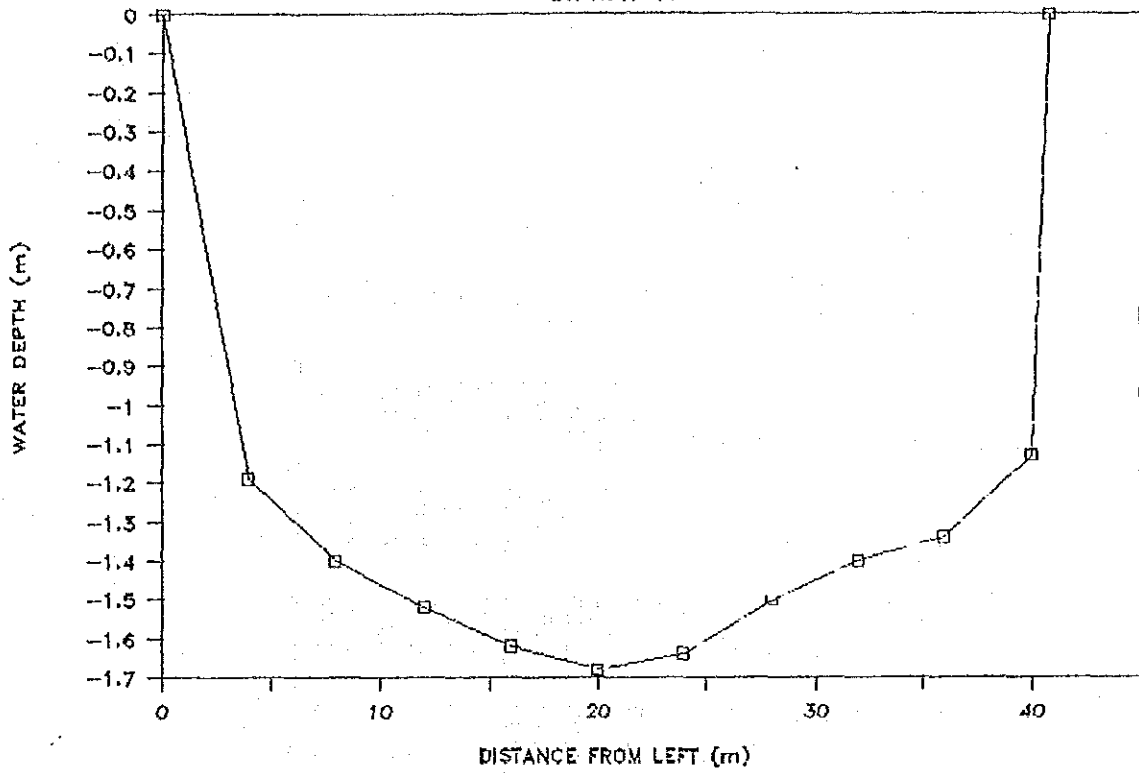
FLOW MEASUREMENT ST. : 4-200 MPATAMATO 28/AUG/'91

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	1.19	1.40	1.52	1.62	1.68	1.64	1.50	1.40	1.34	1.13	0.00
SE/WIDTH (m)	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	0.80
TOTAL SE/WIDTH(m)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	40.80
VELOCITY.2-1(f/s)	0.00	0.35	1.15	1.20	1.60	1.68	1.60	1.50	1.20	0.90	0.00	0.00
VELOCITY.2-2(f/s)	0.00	0.30	1.10	1.25	1.50	1.70	1.50	1.50	1.30	0.90	0.00	0.00
MEAN VEL.2 (f/s)	0.00	0.33	1.13	1.23	1.55	1.69	1.55	1.50	1.25	0.90	0.00	0.00
VELOCITY.8-1(f/s)	0.00	0.20	0.70	1.00	1.10	1.20	1.00	0.80	1.00	0.70	0.00	0.00
VELOCITY.8-2(f/s)	0.00	0.16	0.80	1.05	1.15	1.25	0.90	0.80	1.00	0.80	0.00	0.00
MEAN VEL.8 (f/s)	0.00	0.18	0.75	1.03	1.13	1.23	0.95	0.80	1.00	0.75	0.00	0.00
MEAN VEL (f/s)	0.00	0.25	0.94	1.13	1.34	1.46	1.25	1.15	1.13	0.83	0.00	0.00
MEAN VEL (m/s)	0.00	0.08	0.29	0.34	0.41	0.44	0.38	0.35	0.34	0.25	0.00	0.00
L/MEAN DEPTH (m)	0.000	0.595	1.348	1.490	1.595	1.665	1.650	1.535	1.425	1.355	1.183	-
L/MEAN WIDTH (m)	0.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	0.00	2.38	2.70	2.98	3.19	3.33	3.30	3.07	2.85	2.71	2.37	-
R/MEAN DEPTH (m)	0.000	1.243	1.430	1.545	1.635	1.670	1.605	1.475	1.385	1.288	0.565	-
R/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.80	-
R/SEC. AREA (m2)	0.00	2.49	2.86	3.09	3.27	3.34	3.21	2.95	2.77	2.58	0.45	-
S/AREA (m2)	0.00	4.87	5.56	6.07	6.46	6.67	6.51	6.02	5.62	5.29	2.82	-
TOTAL AREA (m2)	0.0	4.9	10.4	16.5	23.0	29.6	36.1	42.2	47.8	53.1	55.9	-
S/DISCHARGE(m3/s)	0.00	0.37	1.59	2.08	2.63	2.96	2.48	2.11	1.93	1.33	0.00	-
TOTAL DIS. (m3/s)	0.00	0.37	1.95	4.04	6.68	9.64	12.12	14.23	16.16	17.49	17.49	-

WATER LEVEL (f) : 3.08 WATER LEVEL (m) : 0.94
 TOTAL DISCHARGE : 17.49 MEAN VELOCITY(m/s) : 0.31

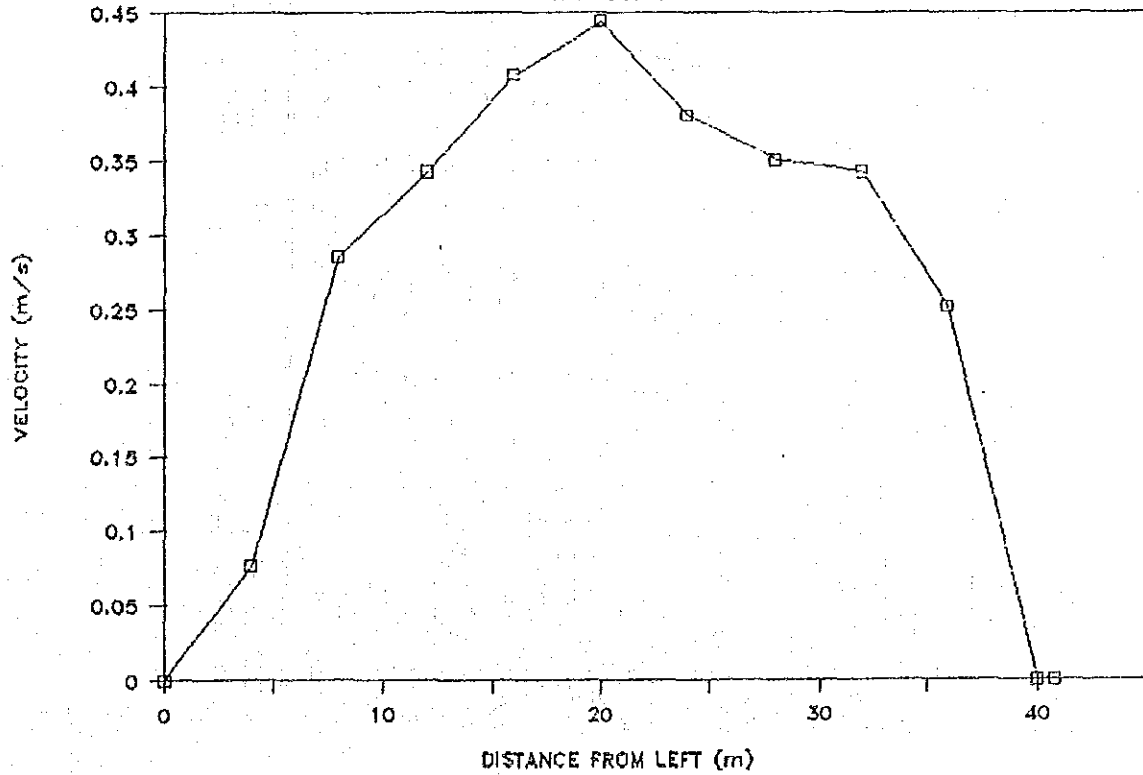
WATER DEPTH (4-200)

28/AUG/'91



VELOCITY (4-200)

28/AUG/'91

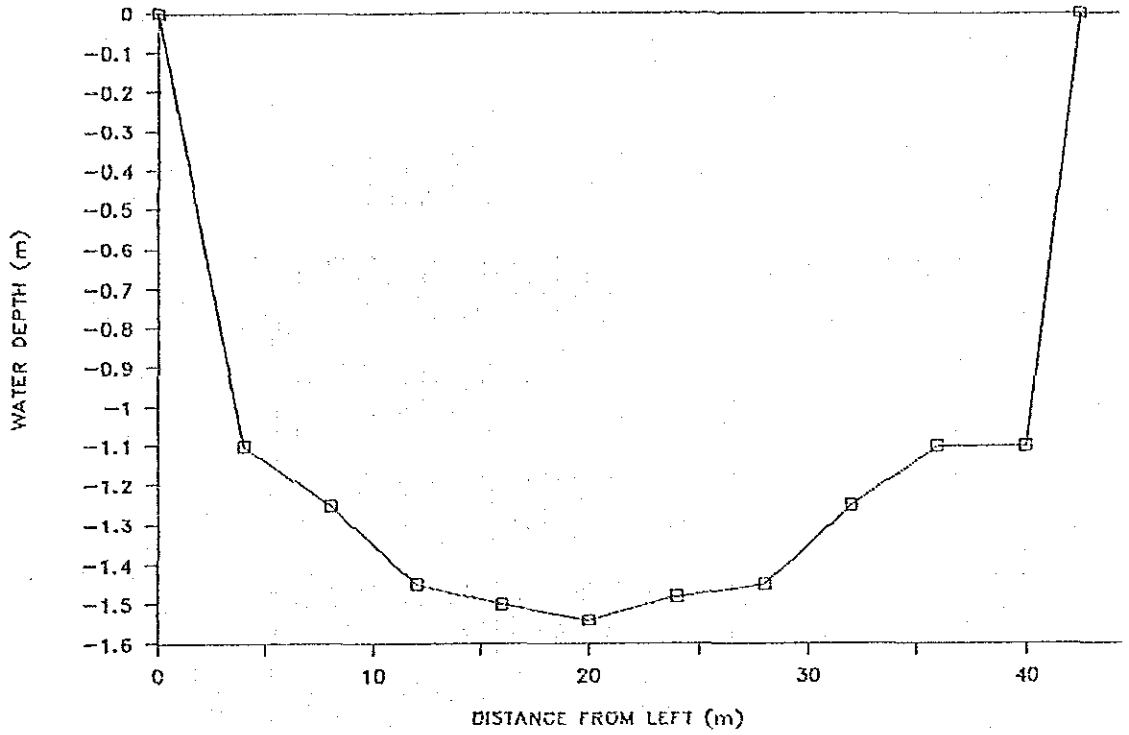


ITEMS	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-10	NO-R
WATER DEPTH (m)	1.10	1.25	1.45	1.50	1.54	1.48	1.45	1.25	1.10	1.10	0.00
S ₁ /WIDTH (m)	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.50
TOTAL SE/WIDTH(m)	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	42.50
VELOCITY.2-1(f/s)	0.20	0.50	1.15	1.30	1.35	1.50	1.20	1.00	0.65	0.20	0.00
VELOCITY.2-2(f/s)	0.20	0.50	1.15	1.40	1.35	1.50	1.18	1.00	0.60	0.20	0.00
MEAN VEL.2 (f/s)	0.20	0.50	1.15	1.35	1.35	1.50	1.19	1.00	0.63	0.20	0.00
VELOCITY.8-1(f/s)	0.20	0.45	0.80	0.90	0.90	1.10	0.70	0.60	0.50	0.15	0.00
VELOCITY.8-2(f/s)	0.20	0.40	0.85	0.90	0.90	1.10	0.70	0.60	0.50	0.17	0.00
MEAN VEL.8 (f/s)	0.20	0.43	0.83	0.90	0.90	1.10	0.70	0.60	0.50	0.16	0.00
MEAN VEL (f/s)	0.20	0.46	0.99	1.13	1.13	1.30	0.95	0.80	0.56	0.18	0.00
MEAN VEL (m/s)	0.06	0.14	0.30	0.34	0.34	0.40	0.29	0.24	0.17	0.05	0.00
L/MEAN DEPTH (m)	0.550	1.213	1.400	1.488	1.530	1.495	1.458	1.300	1.138	1.100	-
L/MEAN WIDTH (m)	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	2.20	2.43	2.80	2.98	3.06	2.99	2.92	2.60	2.28	2.20	-
R/MEAN DEPTH (m)	1.138	1.300	1.463	1.510	1.525	1.473	1.400	1.213	1.100	0.550	-
R/MEAN WIDTH (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.50	-
R/SEC. AREA (m2)	2.28	2.60	2.93	3.02	3.05	2.95	2.80	2.43	2.20	1.38	-
S/AREA (m2)	4.48	5.03	5.73	6.00	6.11	5.94	5.72	5.03	4.48	3.58	-
TOTAL AREA (m2)	4.5	9.5	15.2	21.2	27.3	33.3	39.0	44.0	48.5	52.1	-
S/DISCHARGE(m3/s)	0.26	0.71	1.72	2.06	2.10	2.35	1.65	1.23	0.77	0.20	-
TOTAL DIS. (m3/s)	0.26	0.96	2.69	4.74	6.84	9.19	10.84	12.06	12.83	13.02	-

WATER LEVEL (f) : 2.37 WATER LEVEL (m) : 0.72
 TOTAL DISCHARGE : 13.02 MEAN VELOCITY(m/s) : 0.25

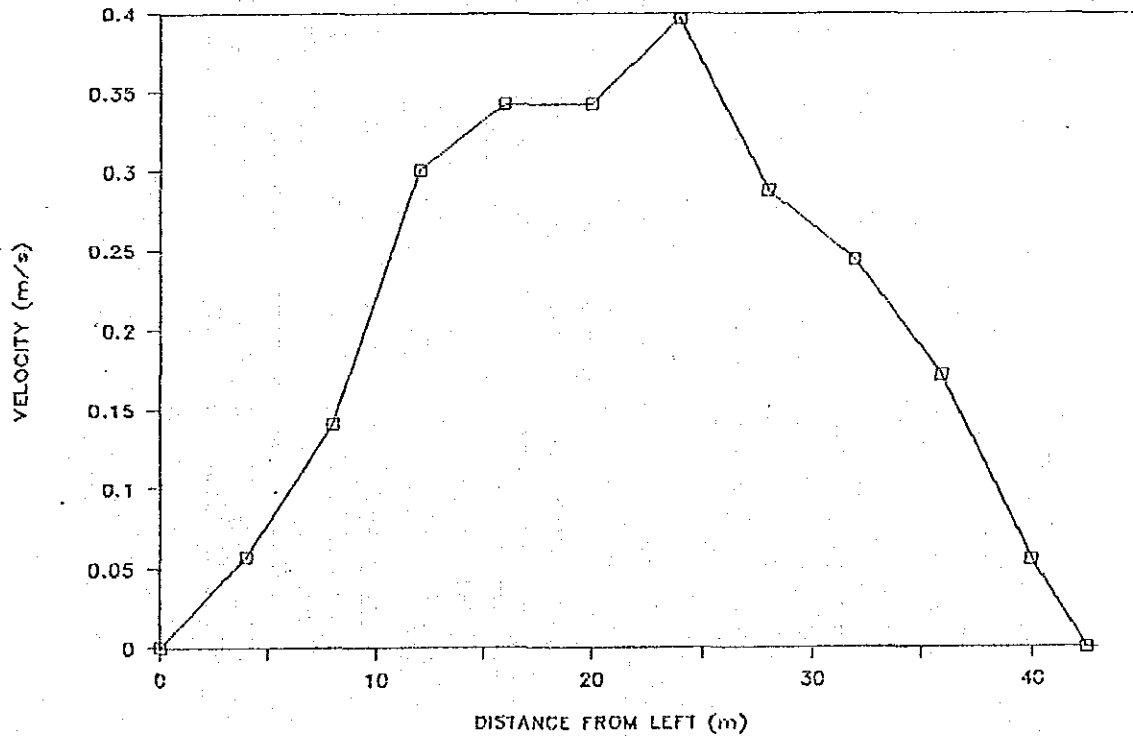
WATER DEPTH (4-200)

18/SEP/91



VELOCITY (4-200)

18/SEP/91



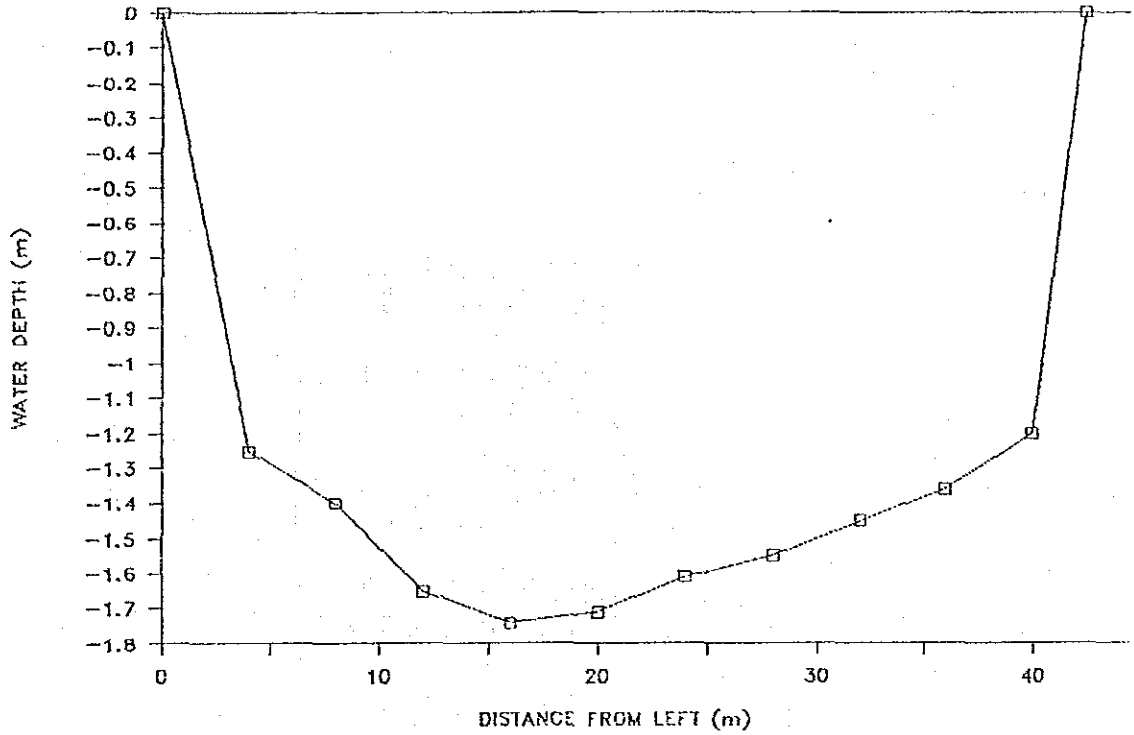
FLOW MEASUREMENT ST. : 4-200 MPATAMATO 20/OCT/91

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)	1.25	1.40	1.65	1.74	1.71	1.61	1.55	1.45	1.36	1.20	0.00
SE/WIDTH (m)	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.50
TOTAL SE/WIDTH(m)	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	42.50
VELOCITY.2-1(f/s)	0.20	0.65	1.15	1.55	1.75	1.50	1.20	1.20	0.85	0.50	0.00
VELOCITY.2-2(f/s)	0.00	0.65	1.15	1.55	1.70	1.50	1.25	1.20	0.85	0.50	0.00
MEAN VEL.2 (f/s)	0.00	0.65	1.15	1.55	1.73	1.50	1.23	1.20	0.85	0.50	0.00
VELOCITY.8-1(f/s)	0.00	0.13	0.45	1.10	1.20	1.10	0.90	0.80	0.55	0.20	0.00
VELOCITY.8-2(f/s)	0.00	0.15	0.50	1.10	1.20	1.10	0.90	0.80	0.55	0.20	0.00
MEAN VEL.8 (f/s)	0.00	0.14	0.48	1.10	1.20	1.10	0.90	0.80	0.55	0.20	0.00
MEAN VEL (f/s)	0.00	0.17	0.56	1.33	1.46	1.30	1.06	1.00	0.70	0.35	0.00
MEAN VEL (m/s)	0.00	0.05	0.17	0.31	0.40	0.40	0.32	0.30	0.21	0.11	0.00
L/MEAN DEPTH (m)	0.000	0.625	1.363	1.718	1.718	1.635	1.565	1.475	1.383	1.240	-
L/MEAN WIDTH (m)	0.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	0.00	2.50	2.73	3.18	3.44	3.27	3.13	2.95	2.77	2.48	-
R/MEAN DEPTH (m)	0.000	1.288	1.463	1.733	1.685	1.595	1.525	1.428	1.320	0.600	-
R/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.50	-
R/SEC. AREA (m2)	0.00	2.58	2.93	3.47	3.37	3.19	3.05	2.86	2.64	1.50	-
S/AREA (m2)	0.00	5.08	5.65	6.90	6.81	6.46	6.18	5.81	5.41	3.98	-
TOTAL AREA (m2)	0.0	5.1	10.7	24.1	31.0	37.4	43.6	49.4	54.8	58.8	-
S/DISCHARGE(m3/s)	0.00	0.26	0.97	2.04	3.03	2.56	2.00	1.77	1.15	0.42	-
TOTAL DIS. (m3/s)	0.00	0.26	1.23	3.27	9.09	11.65	13.65	15.42	16.57	17.00	-

WATER LEVEL (f) : 2.37 WATER LEVEL (m) : 0.72
 TOTAL DISCHARGE : 17.00 MEAN VELOCITY(m/s) : 0.29

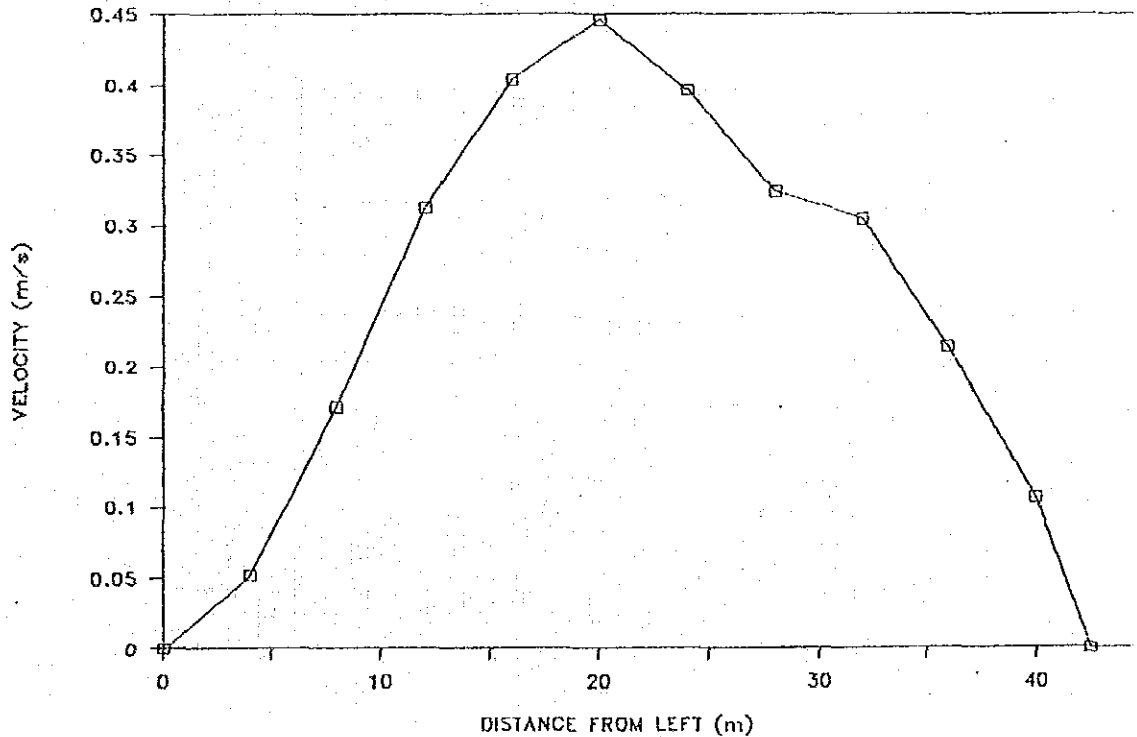
WATER DEPTH (4-200)

20/OCT/91



VELOCITY (4-200)

20/OCT/91

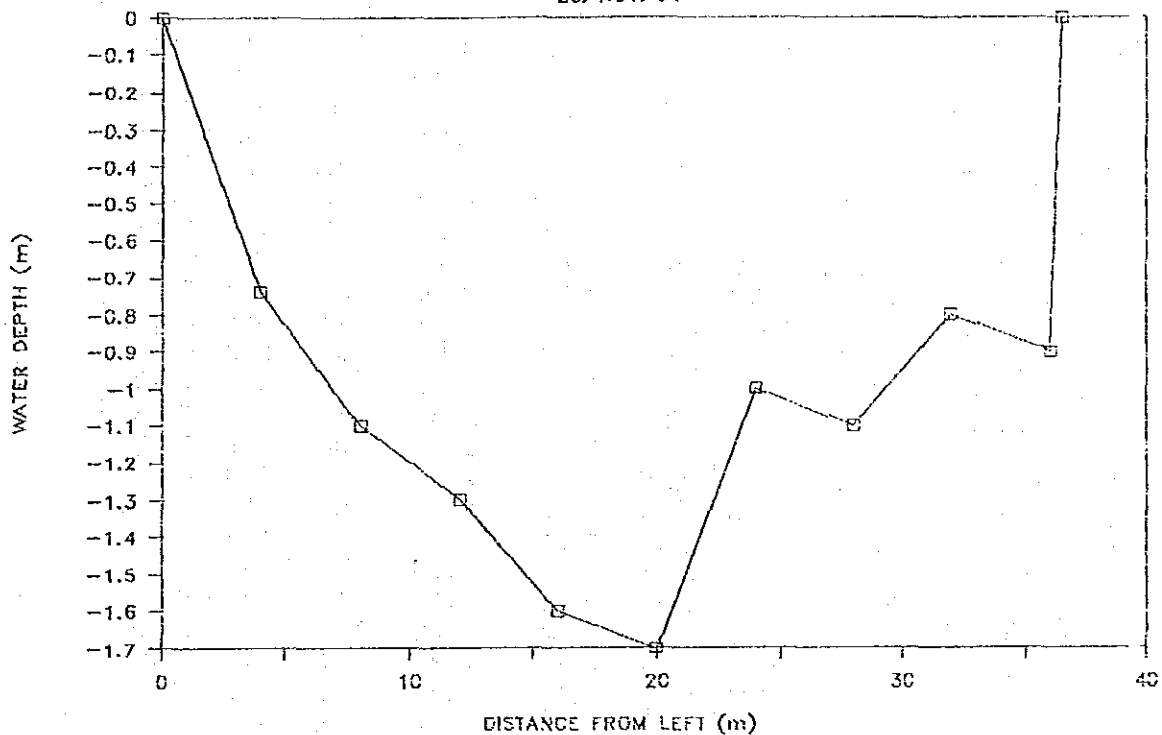


ITEMS	NO-L	NO-1	NO-2	NO-3	NO-4	NO-5	NO-6	NO-7	NO-8	NO-9	NO-R
WATER DEPTH (m)	0.00	0.74	1.10	1.30	1.60	1.70	1.00	1.10	0.80	0.90	0.00
SE/WIDTH (m)	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	0.50
TOTAL SE/WIDTH(m)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	36.50
VELOCITY.2-1(f/s)	0.00	0.22	0.60	0.90	0.90	1.00	1.00	0.90	0.60	0.60	0.00
VELOCITY.2-2(f/s)	0.00	0.22	0.60	0.90	0.90	1.00	1.00	0.90	0.60	0.60	0.00
MEAN VEL.2 (f/s)	0.00	0.22	0.60	0.90	0.90	1.00	1.00	0.90	0.60	0.60	0.00
VELOCITY.8-1(f/s)	0.00	-	0.50	0.80	0.85	0.90	0.80	0.50	-	-	0.00
VELOCITY.8-2(f/s)	0.00	-	0.50	0.80	0.85	0.90	0.80	0.50	-	-	0.00
MEAN VEL.8 (f/s)	0.00	-	0.50	0.80	0.85	0.90	0.80	0.50	-	-	0.00
MEAN VEL (f/s)	0.00	0.22	0.55	0.85	0.88	0.95	0.90	0.70	0.60	0.60	0.00
MEAN VEL (m/s)	0.00	0.07	0.17	0.26	0.27	0.29	0.27	0.21	0.18	0.18	0.00
L/MEAN DEPTH (m)	0.000	0.370	1.010	1.250	1.525	1.675	1.175	1.075	0.875	0.875	-
L/MEAN WIDTH (m)	0.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
L/SEC. AREA (m2)	0.00	1.48	2.02	2.50	3.05	3.35	2.35	2.15	1.75	1.75	-
R/MEAN DEPTH (m)	0.000	0.830	1.150	1.375	1.625	1.525	1.025	1.025	0.825	0.450	-
R/MEAN WIDTH (m)	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-
R/SEC. AREA (m2)	0.00	1.66	2.30	2.75	3.25	3.05	2.05	2.05	1.65	0.23	-
S/AREA (m2)	0.00	3.14	4.32	5.25	6.30	6.40	4.40	4.20	3.40	1.98	-
TOTAL AREA (m2)	0.0	3.1	7.5	12.7	19.0	25.4	29.8	34.0	37.4	39.4	-
S/DISCHARGE(m3/s)	0.00	0.21	0.72	1.36	1.68	1.85	1.21	0.90	0.62	0.36	-
TOTAL DIS. (m3/s)	0.00	0.21	0.93	2.29	3.98	5.83	7.04	7.93	8.55	8.91	-

WATER LEVEL (f) : 2.59 WATER LEVEL (m) : 0.79
 TOTAL DISCHARGE : 8.91 MEAN VELOCITY(m/s) : 0.23
 NOTE : SOME OF SECTIONS ARE APPLIED 0.6 DEPTH METHOD

WATER DEPTH (4-200)

23/NOV/91



VELOCITY (4-200)

23/NOV/91

