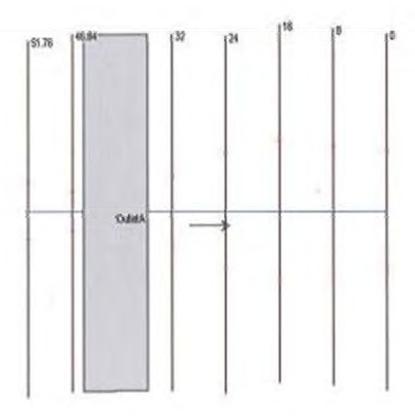
HEC-RAS Plan: Plan 01 River. 1 Reach: OutletA (Continued)

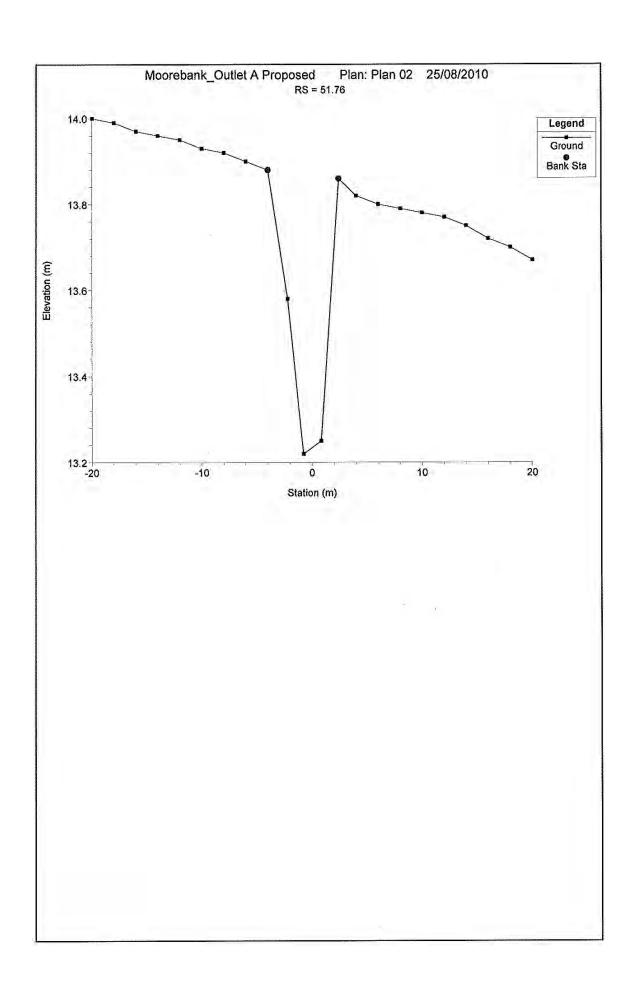
Reach	River	Sta Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chi
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
OutletA	32	PF 14	1.40	13,10	13.61		13.56	0.004542	0.93	1.51	5.57	0.57
OutletA	32	PF 15	1,50	13,10	13.52		13.57	0.004894	0.96	1,56	5.68	0.58
OutletA	32	PF 16	2.00	13.10	13.57		13.63	0.005395	1.09	1.83	6.05	0.63
OutletA	32 32	PF 17 PF 18	2.00	13.10	13.57		13.63 13.68	0.005393	1.09	1.83	6.05 6.37	0,63 0.88
OutletA	32	PF 19	3.00	13.10	13.64		13.73	0.006644	1.32	2.28	6.65	0.72
OutletA	32	PF 20	3.50	13.10	13.67		13.77	0.007223	1,41	2.48	6.89	0.75
OutletA	32	PF 21	4.00	13.10	13.69		13.81	0.007787	1.51	2.65	7.18	0.79
OutletA	32	PF 22	4.50	13.10	13.72	13,66	13.85	0.008238	1.60	2.83	9.11	0.62
OutletA	32	PF 23	5.00	13.10	13.74	13.68	13.88	0.008696	1.69	3.03	10.63	0.84
OutletA	32	PF 24	5.50	13.10	13.75	13.72	13.91	0.009251	1.78	3.22	11.98	0.67
OutletA	32	PF 25	6.00	13.10	13.77	13.78	13.95	0.010101	1.88	3.37	13.20	0.92
OutletA	32	PF 26	6.50	13.10	13.79	13.79	13.98	0.010158	1.93	3.66	14.80	0.93
OutletA	32	PF 27	7.00	13.10	13.82	13.82	14.00	0.009358	1.92	4.18	17.69	0.90
OutletA	32	PF 28	7.50	13.10	13.87	13.87	14.03	0.007605	1.82	5.28	24.00	0.82
OutletA	32	PF 29	8.00	13.10	13.89	13,89	14.05	0.007359	1,83	5,78	25.65	0.81
OutletA	32	PF 30	8.50	13.10	13.90	13.90	14.06	0.007291	1.86	6.20	26.78	0.81
OutletA	32	PF 31	9.00	13.10	13.92	13,92	14.08	0.007134	1.88	6.67	27.93	0.80
OutletA	32	PF 32	9.50	13.10	13.93	13,93	14.10	0.007078	1,90	7.10	28.93	0.80
OutletA	32	PF 33	10.00	13.10	13.95	13.95	14.12	0.006831	1.91	7.64	30.40	0.79
	11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -		4									
OutletA	24	PF 1	0.10	13.12	13.25		13.25	0.000748	0.20	0.51	5.08	0.20
OutletA OutletA	24	PF 2	0.20	13.12	13.30	- !	13.30	0.000992	0.27	0.74	5.74	0.24
OutletA	24 24	PF3	0.30	13.12	13.33		13,33 13,36	0.001168	0.32	0.93 1.10	6.22 6.61	0.26 0.28
OutletA	24	PF 5	0.40	13.12	13.38		13.38	0.001307	0.40	1.10	6.94	0.28
OutletA	24	PF6	0.60	13.12	13.40	m Samurinskinski (m. 1967) - 1949	13.40	0.001432	0.43	1.39	7.24	0.30
OutletA	24	PF7	0.70	13.12	13.41		13.42	0.001524	0.46	1.52	7.50	0.33
OutletA	24	PF 8	0.80	13.12	13.43		13,44	0.001692	0.49	1.65	7.75	0.34
OutletA	24	PF 9	0.90	13.12	13.44		13.48	0.001762	0.51	1.78	7.98	0.35
OutletA	24	PF 10	1.00	13.12	13.46		13.47	0.001825	0.53	1.88	8.20	0.35
OutletA	24	PF 11	1.10	13.12	13.47		13.49	0.001887	0.55	1.99	8.40	0.36
OutletA	24	PF 12	1.20	13.12	13.48		13.50	0.001941	0.57	2.10	8.59	0.37
OutletA	24	PF 13	1.30	13.12	13,50		13,51	0.001992	0.59	2.20	8.77	0.38
OutletA	24	PF 14	1.40	13.12	13.51		13.53	0.002041	0.61	2,30	8.94	0.38
OutletA	24	PF 15	1,50	13.12	13.52		13.54	0.002086	0.62	2.40	9.11	0.39
OutletA	24	PF 16	2.00	13.12	13.57		13.59	0.002282	0.70	2.87	9.85	0.41
OutletA	24	PF 17	2.00	13.12	13.57		13.59	0.002282	0.70	2.87	9.85	0.41
OutletA	24	PF 18	2.50	13.12	13.61		13.64	0.002440	0.76	3.30	10.48	0.43
OutletA	24	PF 19	3.00	13.12	13.65		13.68	0.002572	0.81	3.70	11.04	0.45
OutletA	24	PF 20	3.50	13.12	13.68		13.72	0,002885	0.86	4.08	11.55	0.46
OutletA OutletA	24	PF 21	4.00	13.12 13.12	13.71	~	13.75 13.79	0.002787	0.90 0.94	4.44	12.01	0.47
OutletA	24	PF 23	5.00	13.12	13.77		13.81	0.002959	0.98	4.78 5,11	12.44	0.49
OutletA	24	PF 24	5.50	13.12	13.79		13.84	0.002963	1.01	5.44	14.85	0.50
OutletA	24	PF 25	6.00	13.12	13.81		13.87	0.002969	1.05	5.80	17.93	0.50
OutletA	24	PF 26	6.50	13.12	13.83		13.69	0.002977	1.08	6.21	20.64	0.51
OutletA	24	PF 27	7.00	13.12	13.85	1	13,92	0.002987	1.12	6.63	22.61	0.61
OutletA	24	PF 28	7.50	13.12	13.87		13.94	0.003016	1.15	7.05	24.75	0.52
OutletA	24	PF 29	8.00	13.12	13.89		13.96	0.003066	1.16	7.47	26.70	0.53
OutletA	24	PF 30	8.50	13,12	13.90		13.98	0.003098	1.21	7.90	28.41	0.53
OutletA	24	PF 31	9.00	13.12	13.92		13,99	0.003141	1.25	8.34	30.23	0.54
OutletA	24	PF 32	9,50	13.12	13.93	recommendation of the second	14.01	0.003174	1.27	8.79	32.07	0.54
OutletA	24	PF 33	10.00	13,12	13.95		14.03	0.003176	1.30	9.27	32.67	0,54
OutletA	16	PF 1	0.10	13.10	13.24		13.24	0.002352	0.29	0.35	4.72	0.33
OutletA	16	PF 2	0.20	13.10	13.28		13.29	0.002448	0.36	0.56	5.50	0.36
OutletA OutletA	16	PF 3	0.30	13,10	13.31		13,32	0.002570	0.41	0.73	6.07	0.38
OutletA	16 16	PF 4 PF 5	0.40	13.10 13.10	13.33		13.35	0.002677	0.45	0.88 1.02	6.54 6.93	0.39 0.41
OutletA	16	PF 6	0.60	13.10	13,37		13.39	0.002791	0.49	1.18	7.30	0.43
OutletA	16	PF 7	0.70	13.10	13.39		13.41	0.002907	0.55	1.10	7.62	0.42
OutletA	16	PF 8	0.80	13.10	13.41		13.42	0.002947	0.57	1.40	7.93	0.43
OutletA	16	PF 9	0.90	13.10	13.42		13.44	0.002989	0.59	1,52	8.21	0.44
OutletA	18	PF 10	1,00	13,10	13.44		13.45	0.003018	0.61	1,64	8.48	0.44
OutletA	18	PF 41	1,10	13.10	13.45		13.47	0.003060	0.63	1.75	8.72	0.45
OutletA	18	PF 12	1.20	13.10	13.46		13.48	0.003082	0.65	1.86	8,96	0.45
OutletA	16	PF 13	1,30	13,10	13.47		13.49	0.003107	0.68	1.96	9.18	0.46
OutletA	16	PF 14	1.40	13.10	13.48		13.51	0.003130	0.68	2.07	9.40	0.46
OutletA	18	PF 15	1,50	13,10	13.49	- 7	13.52	0.003150	0.69	2.17	9.61	0.46
OutletA	16	PF 16	2.00	13.10	13.54		13.57	0.003228	0.75	2.65	10.54	0.48
OutletA	16	PF 17	2.00	13.10	13.54		13.57	0.003228	0.75	2.65	10.54	0.48
OutletA	16	PF 18	2.50	13,10	13,58		13.62	0.003281	0.80	3,11	11.34	0.49
OutletA	16	PF 19	3.00	13.10	13.62		13.66	0.003317	0,85	3.54	12.05	0.50
OutletA	. 16	PF 20	3.50	13.10	13.65		13.69	0.003338	88.0	3.96	12.70	0.50
OutletA	16	PF 21	4.00	13.10	13.69		13.73	0.003360	0.92	4.36	13.30	0.51
OutletA OutletA	16	PF 22	4.50 5.00	13.10	13.71		13.76	0.003369	0.95	4.76	14.57	0.52
OutletA	16 16	PF 23 PF 24	5.50	13.10	13.74		13.79	0.003377	1.00	5.21	19.08 23.46	0.52 0.62
OutletA	16	PF 24	6.00	13.10	13.77		13.82	0.003319	1.00	6.34	27.44	0.52
OutletA	16	PF 26	6.50	13.10	13.79		13.87	0.003267	1.02	6.98	28.30	0.52
OutletA	16	PF 27	7.00	13.10	13.83		13.89	0.003169	1.04	7.60	28.56	0.51
	16	PF 28	7.50	13.10	13.85		13.91	0.003029	1.06	8.21	32.90	0.51

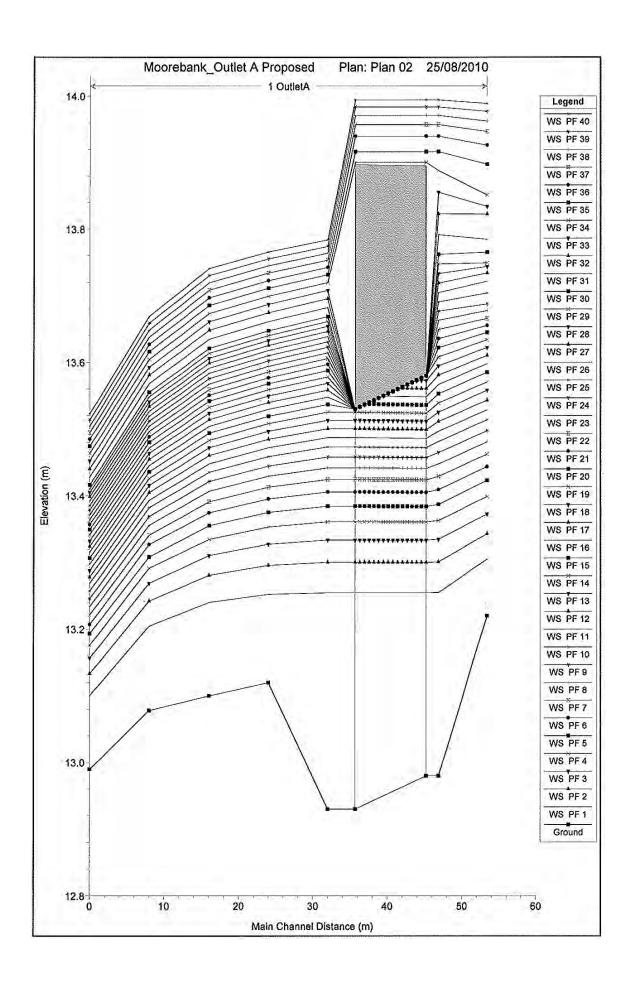
HEC-RAS Plan: Plan 01 River; 1 Reach: OutletA (Continued)

Reach	Plan: Plan 01 River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	See September 1
OutletA	16	PF 29	8.00	13.10	13.87		13.93	0.002964	1.07	8.89	40,00	0.51
OutletA	16	PF 30	8.50	13.10	13.89		13.95	0.002878	1.09	9.61	40.00	0.50
OutletA	16	PF 31	9.00	13.10	13,91		13.96	0.002815	1.10	10.28	40.00	0.50
OutletA	16	PF 32	9.50	13.10	13.92		13.98	0.002752	1.11	10.93	40.00	0.50
OutletA	16	PF 33	10.00	13.10	13.94		14.00	0.002679	1.12	11.60	40.00	0.49
										1,00000		- 151000
OutletA	8	PF 1	0.10	13.08	13.20		13.21	0.006915	0.44	0.23	3,59	0.56
OutletA	6	PF 2	0.20	13.08	13.24		13.26	0.006727	0.52	0.38	4.54	0.58
OutletA	8	PF3	0.30	13.08	13.27		13.29	0.006655	0.59	0.51	5.02	0.59
OutletA	8	PF 4	0.40	13.08	13.29		13,31	0.006543	0.64	0.63	5.44	0.60
OutletA	8	PF 5	0.50	13.08	13.31		13.33	0.006924	0.69	0.72	5.74	0.62
OutleIA	8	PF 8	0.60	13.08	13.33		13.35	0.006672	0.72	0.83	6.08	0.62
OutletA	8	PF7	0.70	13.08	13.34		13.37	0.006881	0.76	0.92	6.34	0.64
OutleIA	8	PF.8	0.80	13.08	13.38		13.39	0.006828	0.79	1.02	6.61	0,64
OutletA	8	PF.9	0.90	13.08	13,37		13.40	0.006851	0.81	1.10	6.85	0.65
OutletA	8	PF 10	1.00	13.08	13.38		13.42	0.006804	0.84	1.20	7.09	0.65
OutletA	8	PF 11	1.10	13.08	13.39		13.43	0.006901	0.86	1.27	7.29	0.68
OutletA	8	PF 12	1.20	13.08	13.40		13.44	0.006852	0.88	1.36	7.50	0.66
OutletA	8	PF 13	1.30	13.08	13.42		13.46	0.006851	0.90	1.44	7.70	0.66
OutletA	8	PF 14	1.40	13.08	13.43	-	13.47	0.006849	0.92	1.52	7,89	0.67
OutletA	8	PF 15	1.50	13.08	13.44		13.48	0.006848	0.94	1.60	8.07	0.67
OutletA	8	PF 16	2.00	13.08	13.48		13.53	0.006795	1.01	1.98	8.89	0.68
OutletA	8	PF 17	2.00	13.08	13.48		13.53	0.006795	1.01	1.98	8.89	0.68
OutletA	8	PF 18	2.50	13.08	13.52		13.58	0.006728	1.07	2.35	9.60	0.69
OutletA			3.00				13.62	0.006652		2.70	10.25	0.69
OutletA	8	PF 19	3.50	13,08	13.56 13.59	····	13.66	0.006594	1.11	3.03	10.82	0.70
	the manner, married	PF.20	4.00					0.006526	1.19	3.36	11.36	0.70
OutletA	8	PF 21		13.08	13.62		13,69					
OutletA	8	PF 22	4.50	13.08	13.64		13.72	0.006453	1.22	3.68	11,87	0.70
OutletA	8	PF 23	5.00	13,08	13,67		13.75	0.006398	1.25	3.99	12.34	0.70
OutletA	8	PF 24	5,50	13,08	13.69		13.78	0.006339	1.28	4.30	12.78	0.70
OutletA	8	PF 25	6.00	13.08	13.72	72.52	13,80	0.006228	1.31	4.64	19,13	0.70
OutletA	8	PF 26	8.50	13.08	13.74	13.65	13.83	0.006048	1.33	5.09	21.57	0.70
OutletA	8	PF 27	7,00	13,08	13,76	13.66	13.85	0.005813	1.34	5.61	24.07	0.69
AlelluO	8	PF 28	7.50	13.08	13.78	13.68	13,87	0.005635	1.35	6,13	26.36	0.68
OutletA	8	PF 29	8.00	13.08	13,80	13,70	13,89	0.005496	1.38	6.65	27.28	0,68
OutletA	8	PF 30	8.50	13.08	13.82	13,72	13.91	0.005364	1.37	7.14	27.47	0.67
AlalhiO	8	PF 31	9.00	13.08	13.84	13.74	13.93	0.005188	1,38	7,64	27.74	0.67
OutletA	8	PF 32	9.50	13,08	13.86	13.76	13,95	0.004979	1.39	8.13	28.16	0.66
OutletA	8	PF 33	10.00	13.08	13.87	13.78	13.97	0.004748	1.39	8.68	28.69	0.65
									and the second s			10.00
OutletA	0	PF 1	0.10	12.99	13,10	13,10	13.12	0.020011	0.68	0.15	2.65	0.93
OutletA	0	PF 2	0.20	12.99	13,13	13.13	13.17	0.020020	0.81	0.25	3.43	0.97
OutletA	0	PF 3	0.30	12.99	13.16	13,16	13.20	0.020008	0.90	0.33	4.00	0.99
OutletA	0	PF 4	0.40	12,99	13,18	13,18	13.22	0.020013	0.97	0.41	4.45	1,01
OutletA	0	PF 5	0.50	12.99	13.19	13.19	13.25	0.018878	1.01	0.50	4.76	1.00
OutletA	0	PF 6	0.60	12.99	13,21	13.21	13.27	0.016973	1.07	0.56	4.98	1.02
OutletA	0	PF 7	0.70	12,99	13.22	13.22	13,28	0.018213	1.10	0.64	5.21	1.01
OutletA	0	PF 8	0.80	12.89	13.23	13.23	13.30	0.018053	1.14	0.70	5.41	1.01
OutletA	0	PF 9	0.90	12.99	13.25	13.25	13.32	0.017748	1,17	0.77	5,60	1.01
OutletA	0	PF 10	- 1.00	12.99	13.26	13,26	13.33	0.017354	1.20	0.83	5.79	1,01
OutletA	0	PF 11	1.10	12.89	13.27	13.27	13.35	0.016915	1.22	0.90	5.97	1.01
OutletA	0	PF 12	1.20	12.99	13,28	13.28	13,36	0.016961	1.25	0.96	6.12	1,01
OutletA	0	PF.13	1.30	12.99	13.29	13,29	13.37	0.016755	1.28	1.02	6.28	1,01
OutletA	0	PF 14	1.40	12.99	13.30	13.30	13.38	0.016564	1.30	1.08	6.43	1.01
OutletA	0	PF 15	1.50	12.99	13.31	13,31	13.40	0.016377	1.32	1.14	6.58	1.01
OutletA	0	PF 16	2.00	12,99	13.35	13.35		0.015703	1.41	1.42	7,24	1,01
OutletA	o	PF 17	2.00	12.99	13.35	13.35	13.45	0.015703	1.41	1.42	7.24	1.01
OutletA	0	PF 18	2.50	12,99	13,38	13.38		0.015184	1.48	1.69	7,82	1,01
OutletA	0	PF 19	3.00	12.99	13.42	13.42		0.014784	1.54	1.95	8.34	1.01
OutletA	o	PF 20	3.50	12.99	13.45	13.45		0.014356	1.58	2.21	8.82	1.01
OutletA	0	PF 21	4.00	12.99	13.47	13.47	13.61	0.014177	1.63	2.45	9.25	1.01
OutletA	0	PF 22	4.50	12.99	13,50	13.50		0.013979	1,67	2.69	9.65	1.01
OutletA	0	PF 23	5.00	12.99	13.52	13.52		0.013736	1.71	2.92	10.03	1.01
OutletA	0	PF 24	5.50	12.99	13.54	13.54	13.70	0.013547	1.74	3.15	10.39	1.01
OutletA	0	PF 25	6.00	12.99	13.57	13.57	13.73	0.013347	1.78	3.38	10.73	1,01
	0	PF 26	6.50	12.99	13.59	13.59	13.75	0.013367	1.76	3.59	11.05	1.01
OutletA			7.00	12.99	13.60	13.60		0.013294	1.84	3.79		1.01
OutletA	0	PF 27									11.34	1.02
OutletA	0	PF 28	7,50	12.99	13.62	13.62	13.80	0.012985	1.86	4.03	11.66	
OutletA	0	PF 29	8.00	12.99	13.65	13,65	13.82	0.012257	1.86	4.33	15.54	0.99
Out/etA	0	PF 30	8.50	12.99	13.67	13.67	13,84	0.011594	1.87	4.68	17.13	0.97
OutletA	0	PF 31	9,00	12.99	13.68	13.68	13.86	0.011279	1.88	4.98	18.04	0.96
OutletA	0	PF 32	9.50	12.99	13.70	13.70		0.011180	1.91	5.25	18.74	0.96
OutletA	0	PF 33	10.00	12.99	13.71	13.71	13.90	0.011348	1.95	5.47	19.28	0.97

OUTLET A PROPOSED - HEC-RAS MODEL FILES







HEC-RAS Plan: Plan 02 River, 1 Reach: OutletA

Reach	River Sta	Profile	Q Tolel	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vei Chni	Flow Area	Top Width	Frouda # Chi
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
OutletA	51.76	PF 1	0.10	13.22	13.30	13.30	13.34	0.022426	0.78	0.13	2.06	1.0
OutletA	51.76	PF 2	0,20	13.22	13.34	13,34	13.39	0.019839	0.95	0.21	2.31	1.00
OutletA	51.76	PF3	0.30	13.22	13.37	13.37	13.43	0.018971	1.06	0.28	2.51	1.0
OutletA	51.76	PF 4	0.40	13.22	13.40	13.40	13.47	0.018102	1.14	0.35	2,68	1.0
OutletA	51.76	PF 5	0,50	13.22	13,42	13,42	13.50	0.017140	1.20	0,42	2.84	1.00
OutletA	51.76	PF 6	0.60	13.22	13.44	13.44	13.52	0.018812	1.26	0.48	2.98	1.00
OutletA OutletA	51.76 51.76	PF 7	0.70	13.22 13.22	13,46 13,48	13.46 13.48	13.55 13.57	0.016812	1.31	0.53 0.59	3.10 3.22	1.01
OutletA	51.76	PF 9	0.90	13.22	13.50	13.50	13.60	0.016001	1.39	0.65	3.33	1.01
OutletA	51,76	PF 10	1.00	13.22	13.51	13.51	13.62	0.015670	1.42	0.65	3.44	1.01
OutletA	51.76	PF 11	1.10	13.22	13.53	13.53	13.64	0.015542	1.46	0.75	3.54	1.0
OutletA	51.76	PF 12	1.20	13.22	13.54	13.54	13.66	0.016348	1.49	0.81	3,64	1.01
OutletA	51.76	PF 13	1.30	13.22	13.58	13.56	13.67	0.014982	1.51	0.86	3.74	1.00
OutletA	51.76	PF 14	1.40	13.22	13.57	13.57	13.69	0.015029	1.54	0.91	3.82	1.01
OutletA	51.76	PF 15	1,50	13.22	13.59	13,59	13.71	0.014656	1.56	0.96	3.92	1.00
OutletA	51.76	PF 16	1.60	13.22	13.60	13.60	13.72	0.014547	1.57	1.02	4.03	1.00
OutletA	51.78	PF 17	1.70	13.22	13.61	13.61	13.74	0.014453	1.59	1.07	4.14	1.00
AfelfuO	51.78	PF 18	1.80	13.22	13.62	13.62	13.75	0.014369	1.61	1.12	4.24	1.00
OutletA	51.78	PF 19	1.90	13.22	13.63	13.63	13.77	0.014278	1.63	1.17	4.34	1.00
OutletA	51.76	PF 20	2.00	13.22	13.65	13.65	13.78	0.014207	1.65	1.22	4.44	1.00
OutletA	51,76	PF 21	2.10	13.22	13.66	13.66	13.80	0.014191	1.66	1.26	4.53	1.01
OutletA	51.78	PF 22	2.20	13.22	13.67	13.67	13.81	0.014118	1.68	1,31	4,61	1.01
OutletA	51.76	PF 23	2.30	13.22	13.68	13.68	13.82	0.013848	1.69	1.37	5.23	1.00
OutletA	51.76	PF 24	2,40	13.22	13.69	13.69	13.83	0.013780	1.70	1.42	5.98	1.00
OutletA	51.78	PF 25	2.50	13.22	13.70	13.70	13.85	0.012886	1.67	1.53	7.35	0.97
OutletA	51.78	PF 26	2.60	13.22	13.72	13.72	13.86	0.011875	1.64	1.68	9.22	0.94
OutletA	51.76	PF 27	2.70	13.22	13.73	13,73	13.87	0.011434	1.62	1.80	10.15	0.92
OutletA	51.76	PF 28	2.80	13.22	13.74	13.74	13.88	0,011245	1.63	1.90	10.88	0.92
OutletA OutletA	51.78 51.78	PF 29	2.90 3.00	13.22 13.22	13.75 13.77	13.75 13.77	13.89 13.90	0.011474	1.65	1.96 2.16	11.29	0.93
OutletA	51.76	PF 31	3,20	13.22	13.77	13.77	13.90	0.010608	1.61	2.16	16.63	0.88
OutletA	51.76	PF 32	3,20	13.22	13.82	13.82	13.93	0.007915	1.47	3.20	22.08	0.78
OutletA	51.76	PF 33	3.60	13.22	13.63	13.83	13.94	0.007874	1.48	3.46	22.64	0.78
OutletA	51.76	PF 34	3,80	13.22	13.85	13.85	13.95	0.007356	1.45	3.85	23.48	0.76
OutletA	51.76	PF 35	4.00	13.22	13.90	10,00	13.97	0.004910	1.26	4.97	25.79	0,63
OutletA	51.76	PF 36	4.20	13.22	13,93		13.98	0.003966	1.19	5.76	29.34	0.57
OutletA	51.76	PF 37	4.40	13.22	13,95		14,00	0.003516	1.15	6.38	31.71	0.54
OutletA	51,76	PF 38	4.60	13.22	13.96		14.01	0.003283	1.14	6.90	34.55	0.53
OutletA	51.76	PF 39	4.80	13.22	13.98		14.03	0.003094	1.13	7.42	38.74	0.52
OutletA	51.76	PF 40	5.00	13.22	13,99		14.04	0.002992	1.13	7.86	37.92	0.51
OutletA	48.84	PF 1	0.10	12.98	13.25	13.02	13.26	0.000038	0.08	1.25	4.91	0.05
OutletA	46.84	PF 2	0.20	12.98	13,30	13,04	13,30	0.000091	0.14	1.48	5.03	0.08
OutletA	48.84	PF3	0.30	12.98	13.33	13.06	13.34	0.000148	0.18	1.65	5.11	0.10
OutletA	46.84	PF4	0.40	12.98	13.36	13.08	13.37	0.000201	0.22	1.80	5.19	0.12
OutletA	46.84	PF 5	0.50	12.98	13.39	13.09	13,39	0.000256	0.26	1,92	5.25	0.14
OutletA	46,84	PF 8	0.60	12.98	13.41	13.11	13.41	0.000308	0.29	2.04	5.31	0.15
OutletA	46,84	PF 7	0.70	12.98	13,43	13.12	13.43	0.000360	0.33	2.15	5,36	0.16
OutletA	46,84	PF 8	0,80	12.98	13,45	13.13	13,45	0.000410	0.38	2.25	5.40	0.18
OutletA	46,84 46,84	PF 9	0.90	12.98 12.98	13.46 13.48	13.14 13.16	13.47	0.000459	0.36	2.34 2.43	5.45 5.49	0.19
OutletA OutletA	46.84	PF 10	1.10	12.98	13.50	13.17	13.51	0.000554	0.44	2.51	5.53	0.21
OutletA	46.84	PF 12	1.20	12.98	13.51	13.16	13.52	0.000599	0.46	2.60	5.57	0.22
OutletA	48.84	PF 13	1.30	12.98	13.53	13,19	13.54	0.000844	0.49	2.68	5.60	0.22
OutletA	46.84	PF 14	1.40	12.98	13,54	13.20	13.55	0.000687	0.51	2.75	5.84	0.23
OutletA	46.84	PF 15	1.50	12.98	13.55	13.21	13.57	0.000725	0.53	2.83	5,68	0.24
OutletA	46.84	PF 16	1.60	12.98	13.57	13.22	13.58	0.000760	0.55	2,91	5.71	0.25
OutletA	46.84	PF-17	1.70	12.98	13.58	13.23	13.60	0.000792	0.57	2.99	5.75	0.25
OutletA	45.84	PF 18	1.80	12.98	13.59	13.24	13.61	0.000822	0.59	3.07	5.78	0.26
OutletA	46.84	PF 19	1,90	12.98	13.61	13.25	13,63	0,000850	0.60	3.15	5.82	0.26
OutleIA	46,84	PF 20	2.00	12.98	13,62	13.26	13.64	0.000875	0.62	3.23	5.85	0.27
OutletA	46.84	PF 21	2.10	12.98	13.64	13.26	13.68	0.000898	0,63	3,31	5.89	0.27
OutletA	48.84	PF 22	2.20	12.98	13.65	13.27	13,67	0.000916	0.65	3,39	6.07	0,27
OutletA	46,84	PF 23	2.30	12.98	13.68	13.28	13.69	0.000931	0.68	3.48	6,32	0.28
OutletA	46.84	PF 24	2.40	12.98	13.68	13.29	13.70	0,000944	0,68	3.56	6.57	0,28
OutletA	46.84	PF 25	2,50	12.98	13.69	13,30	13.72	0.000955	0.69	3,66	6.82	0.28
OutletA	46,84	PF 26	2.60	12.98	13.71	13.31	13.73	0.000963	0.70	3.76	7.07	0.28
OutletA	46.84	PF 27	2.70	12.98	13.72	13.31	13.74	0.000968	0.71	3.86	7.33	0.29
OutletA	48.84	PF 28	2.80	12.98	13.73	13.32	13.76	0.000972	0.72	3.96 4.08	7.58	0.29 0.29
OutletA OutletA	46.64	PF 29	2.90	12.98	13.75	13.33	13.77 13.79	0.000972	0.73 0.73	4.08	8.63 10.65	0.29
OutletA OutletA	48.84 46.84	PF 30 PF 31	3.00 3.20	12.98 12.98	13.78 13.79	13.34	13.79	0.000971	0.75	4.63	19.15	0.29
OutletA	46.84	PF 32	3.40	12.98	13.79	13.35	13.85	0.000960	0.75	5.38	25.33	0.28
OutletA	46,84	PF 33	3.60	12.98	13.86	13.38	13.88	0.000848	0.74	6.21	25.93	0.28
OutletA	46.84	PF 34	3.80	12.98	13.89	13.40	13.91	0.000781	0.73	7.07	26.63	0.27
OutletA	48.84	PF 35	4.00	12.98	13.92	13.41	13.94	0.000735	0.73	7.83	27.28	0.26
OutletA	46.84	PF 38	4.20	12.98	13.94	13.42	13,96	0.000709	0.73	8.47	27.78	0.26
OutletA	46,84	PF 37	4.40	12.98	13.98	13.44	13.98	0.000708	0.74	8.96	28.75	0.26
OutletA	48.84	PF 38	4.60	12.98	13.97	13.45	14.00	0.000719	0.75	9,37	30.27	0.26
OutletA	46.84	PF 39	4.80	12.98	13.98	13.48	14.01	0.000734	0.77	9,77	32.82	0.26
OutletA	48,84	PF 40	5,00	12.98	13.99	13.48	14,02	0.000752	0.78	10.13	34.46	0.27
***************************************	100	Horses and the same				C-11/2/10/20/20/20/20/20/20/20/20/20/20/20/20/20						

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chril (rrVs)	Flow Area (m2)	Top Width (m)	Froude # Chi
OutletA	32	PF.1	0.10	12.93	13.25		13.25	0.000020	0.06	1.59	5.59	0.04
	32	PF 2	0.20	12.93	13.30		13.30	0.000050	0.11	1.85	5.78	0.06
	32	PF3	0.30	12.93	13.33		13.33	0.000083	0.16	2.04	5.92	
200	32	PF 4	0.40	12.93	13.36		13.36	0.000118	0.18	2.21	6,04	0.10
OutletA :	32	PF 5	0.50	12.93	13.38		13.39	0.000153	0.21	2.35	6.14	0.11
Contemporary Conte	32	PF 6	0.60	12.93	13,41		13.41	0.000188	0.24	2.48	6.23	0.12
	32	PF7	0.70	12.93	13.42		13.43	0.000223	0.27	2.60	6.31	0.13
	32	PF8	0,80	12.93	13.44		13.45	0.000258	0.30	2.71	6.38	0.14
THE RESERVE THE PERSONS ASSESSED.	32 32	PF 9 PF 10	0.90 1.00	12.93 12.93	13.46 13.47		13.46 13.48	0.000292	0.32 0.34	2.81 2.91	6.45 6.52	0,15 0.16
	32	PF 11	1.10	12.93	13.49		13.49	0.000325	0.37	3.00	6.58	0.17
-	32	PF 12	1.20	12.93	13.50		13.51	0.000395	0.39	3.09	6.63	0.18
	32	PF 13	1.30	12.93	13.51		13.52	0.000428	0.41	3,18	6.69	0.18
	32	PF 14	1.40	12.93	13.53		13.53	0.000462	0.43	3,28	6.74	0.20
	32	PF 15	1.50	12.93	13.54		13.55	0.000495	0.45	3.34	6.79	0.20
	32	PF 18	1.60	12.93	13.55		13.56	0.000528	0.47	3.41	6.84	.0.21
	32	PF 17	1.70	12.93	13.58		13.57	0.000561	0.49	3.48	6.88	0.22
	32	PF 18	1.80	12.93	13,57	-	13.58	0,000593	0.51	3,55	6.93	0.23
	32 32	PF 19 PF 20	1.90 2.00	12.93	13.58		13.59	0.000626	0.52	3.62	6.97	0.23
	32 32	PF 21	2.10	12.93 12.93	13.59 13.60		13.60 13.61	0.000658	0.54 0.56	3.69 3.75	7,01 7.05	0.24 0.24
	32	PF 22	2.10	12.93	13.61		13.62	0.000722	0.58	3.75	7.08	0.24
	32	PF 23	2.30	12.93	13.61		13.63	0.000754	0.59	3.88	7.12	0.26
	32	PF 24	2,40	12.93	13.62		13.64	0.000786	0.61	3.94	7.16	0.26
	32	PF 25	2.50	12.93	13.63		13.65	0.000818	0.63	3.99	7.19	0.27
	32	PF 26	2.60	12.93	13.64		13.66	0.000849	0.64	4.05	7.22	0.27
	32	PF 27	2.70	12.93	13.65		13,67	0,000881	0.66	4,11	7.26	0.28
The second section is	32	PF 28	2.80	12.93	13.65		13.68	0.000912	0,67	4.18	7.29	0.28
	32	PF 29	2.90	12,93	13.66		13.69	0.000943	0.69	4.22	7.32	0.29
The second secon	32	PF 30	3.00	12.93	13.67		13.69	0.000974	0.70	4.27	7.35	0.29
	32	PF 31	3.20	12.93	13.68		13.71	0.001036	0.73	4.37	7.41	0.30
	32 32	PF 32	3.40	12,93	13.70		13.73	0.001094	0.76	4.47	7.57	0.31
	32 32	PF 33 PF 34	3.60	12,93 12,93	13.71		13.74 13.75	0.001151	0.79 0.82	4.57 4.68	8,52 9.73	0.32
		PF 35	4.00	12.93	13.73		13.77	0.001262	0.84	4.79	10.52	0.34
water to the second	CC - 400 C - 11 C - 12	PF 36	4.20	12.93	13.74		13.78	0.001317	0.87	4.91	11.28	0.35
		PF 37	4.40	12.93	13.75		13.79	0.001370	0.90	5.04	12.15	0.36
	32	PF 38	4.60	12.93	13,76		13.81	0.001423	0.92	5.17	13.23	0.36
Outleta	32	PF 39	4.80	12,93	13.77		13.82	0.001474	0.95	5,31	14.11	0.37
OutletA 3	32	PF 40	5.00	12.93	13.78		13.83	0.001524	0.97	5,46	14.79	0.38
OutletA 2	24	PF 1	0.10	13.12	13.25		13,25	0.000748	0.20	0.51	5.08	0.20
	24	PF 2	0.20	13.12	13.30	C	13.30	0.000992	0.27	0.74	5.74	0.24
OutletA 2	24	PF3	0.30	13.12	13.33	\$ ar	13.33	0.001168	0.32	0.93	6.22	0.26
OutletA 2	24	PF 4	0.40	13.12	13.35		13.36	0.001307	0.36	1.10	6.61	0.28
	24	PF 5	0.50	13.12	13.38		13.38	0.001432	0.40	1.25	6.94	0.30
		PF6	0.60	13.12	13.40		13.40	0.001524	0.43	1,39	7.24	0.31
	24	PF7	0.70	13,12	13.41		13.42	0.001618	0.46	1.52	7.60	0.33
		PF 8	0.80	13.12	13.43		13.44	0.001692	0.49	1.65	7.75	0.34
		PF 9	0,90	13.12	13.44		13.46	0.001762	0.51	1.76	7.98	0.35
	24 24	PF 10 PF 11	1.00	13.12 13.12	13.46 13.47		13.47 13.49	0.001825	0,53 0,55	1.68	8.20 8.40	0.35 0.38
		PF 12	1.10	13.12	13.47		13.50	0.001887	0.57	2.10	8.59	0.36
11,111,111,111,111,111,111		PF 13	1.30	13.12	13.50		13.51	0.001941	0.57	2.10	8.77	0.37
**********		PF 14	1.40	13.12	13.51	***************************************	13.53	0.001002	0.61	2.30	8.94	0.38
	24	PF 15	1.50	13.12	13.52		13.54	0.002086	0,62	2.40	9.11	0.39
	24	PF 16	1.60	13.12	13,53		13,55	0.002129	0.64	2.50	9.27	0.39
	14	PF 17	1.70	13.12	13.54		13.56	0.002170	0.65	2,60	9.42	0.40
	24	PF 18	1,80	13.12	13,55		13.57	0.002209	0,67	2.69	9.57	0.40
	14	PF 19	1.80	13.12	13.56	-	13.58	0.002250	0.68	2.78	9.71	0.41
	24	PF 20	2.00	13.12	13.57		13.59	0.002285	0.70	2.87	9.85	0.41
		PF 21	2.10	13.12	13.58		13,60	0.002319	0.71	2,96	9.98	0.42
		PF 22	2.20	13.12	13.59		13.61	0.002352	0.72	3.04	10.11	0.42
		PF 23 PF 24	2.30	13,12 13,12	13.59 13.60		13,62 13.63	0.002383	0.74 0.75	3.13 3.21	10.24 10.38	0.42
		PF 25	2.50	13.12	13.61		13.64	0.002414	0.76	3.30	10.46	0.43
		PF 26	2.60	13.12	13.62		13.65	0.002471	0.77	3.38	10.60	0.44
		PF.27	2,70	13.12	13.63		13.66	0.002499	0.78	3.46	10.71	0.44
		PF 28	2.80	13.12	13.63		13.66	0.002525	0.79	3.54	10.82	0.44
	4	PF 29	2.90	13.12	13.64		13.67	0.002548	0.80	3,62	10.94	0.44
		PF 30	3,00	13,12	13.65	concern michigan mana	13.68	0.002572	0.81	3,70	11.04	0.45
		PF 31	3,20	13.12	13.68		13.70	0.002620	0.83	3.85	11.25	0.45
		PF 32	3.40	13.12	13.67		13.71	0,002662	0.85	4.00	11.45	0,48
		PF 33	3,60	13.12	13,69	***************************************	13,73	0.002707	0.87	4,15	11.64	0.48
	14	PF 34	3.80	13.12	13.70		13.74	0.002750	0.89	4.29	11.83	0.47
		PF 35	4.00	13.12	13.71		13.75	0.002789	0.90	4,43	12.01	0.47
		PF 36	4.20	13.12	13.72 13.73		13,77	0.002829	0.92	4,57	12.18	0.48
		PF 37 PF 38	4.40	13.12	13.73		13.78 13.79	0.002863	0.93	4.71	12.35 12.52	0.48 0.49
		PF 39	4.60	13.12	13.75	_	13.79	0.002898	0.95	4.85	12.52	0.49
		PF 40	5.00	13.12	13.77	tura matula de mande de la c	13.80	0.002933	0.98	5.11	12.67	0.49
		100000000000000000000000000000000000000	5,00	13.12	10.77		13,01	0.002903	0.80	0,11	14.03	0.49

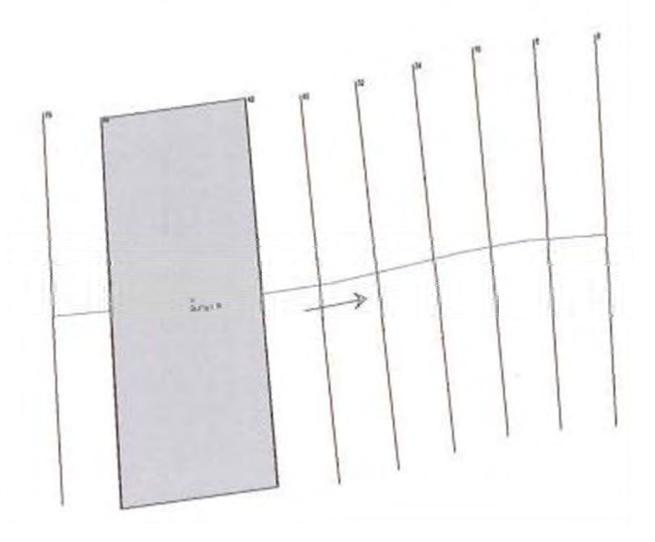
HEC-RAS Plan: Plan 02 River, 1 Reach: OutletA (Continued)

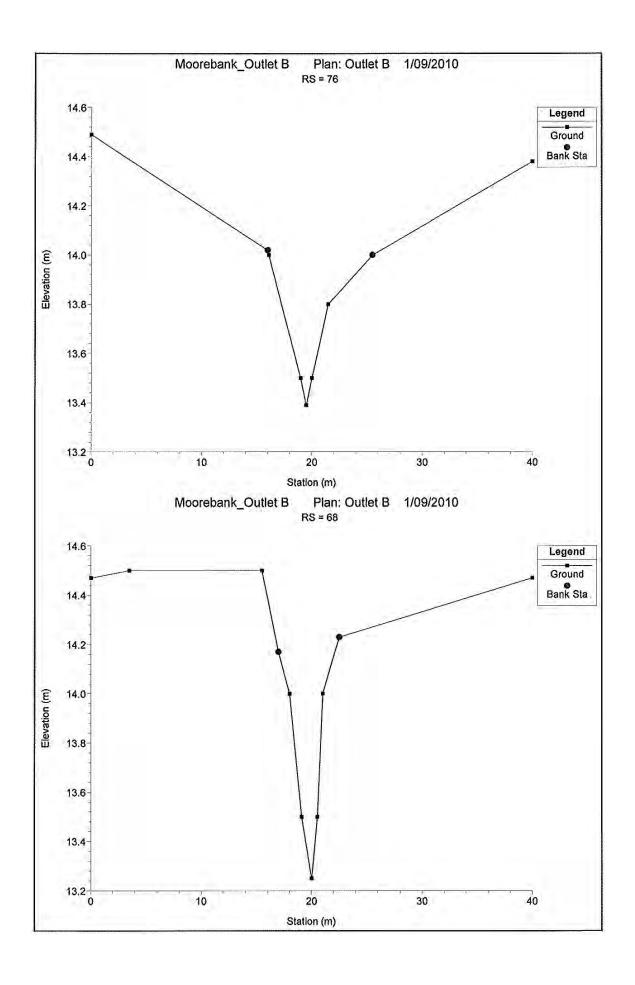
	River	Sta Profile	Q Total (m3/s)	Min Ch El	W.S. Elev	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chni (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chi
DutletA		DE 4		(m)	(m) 13.24	(m)	13.24	0.002352	0.29	0.35	4,72	0.3
	16	PF 1	0.10	13.10 13.10	13.28		13.29	0.002448	0.36	0.56	6.50	0.3
DutletA	16	PF 2					13.32	0.002440	0.41	0.73	6.07	0.3
OutletA	18	PF3	0.30	13.10	13.31			0.002570	0.45	0.88	6,54	0.3
DutletA	16	PF 4	0.40	13,10	13.33	_	13.35	0.002877	0.49	1.02	6.93	0.4
OutletA	16	PF 5	0.50	13.10	13.36		13,37	The second second second		(1100) 100-201100	7.30	0.4
DutletA	16	PF 6	0.60	13.10	13.37	0.00	13.39	0.002834	0.52	1,16		0.4
OutletA	18	PF 7	0.70	13.10	13.39		13.41	0.002907	0.55	1.28	7.62	
OutletA	18	PF8	0.80	13.10	13,41		13.42	0.002947	0.57	1.40	7.93	0,4
OutletA	16	PF 9	0.90	13,10	13.42		13.44	0,002989	0.59	1,52	8.21	0.4
OutletA	16	PF 10	1,00	13.10	13.44		13.45	0.003016	0.81	1.64	8.48	0.4
OutletA	16	PF 11	1.10	13,10	13.45		13.47	0.003060	0.63	1.75	6.72	0.4
OutletA	18	PF 12	1.20	13.10	13,46		13,48	0.003082	0.65	1,86	8.96	0.4
OutletA	16	PF 13	1.30	13.10	13.47		13.49	0.003107	0.66	1.96	9.18	0.4
OutletA	18	PF 14	1.40	13.10	13.48		13.51	0.003130	0.68	2.07	9.40	0.4
OutletA	18	PF 15	1.50	13.10	13.49		13.52	0.003150	0.69	2.17	9.61	0.4
OutletA	16	PF 16	1.60	13.10	13.50		13.53	0.003169	0.71	2.27	9.80	0.4
DutletA	18	PF 17	1.70	13.10	13.51	-	13.54	0.003186	0.72	2,37	10.00	0,4
DutletA	16	PF 18	1.60	13.10	13.52		13.55	0.003201	0.73	2.48	10.18	0,4
DutletA	16	PF 19	1.90	13.10	13.53		13,56	0.003223	0.74	2.56	10.36	0.4
AlelluC	16	PF 20	2.00	13.10	13.54		13.57	0.003236	0.75	2.65	10.53	0.4
OutletA	16	PF 21	2.10	13.10	13,55		13,58	0.003248	0.76	2.75	10.70	0.4
OutletA	16	PF 22	2.10	13.10	13.56		13.59	0.003259	0.78	2.84	10.87	0.4
								0.003269	0.79	2.93	11.03	0.4
DutletA	16	PF 23	2.30	13.10	13.57	/.e./	13.60 13.61	0.003269	0.79	3.02	11.18	0.4
DutletA	16	PF 24	2,40	13.10	13.58							
DutletA	18	PF 25	2.50	13.10	13.58		13,62	0.003287	0.80	3.11	11.33	0.4
DutletA	16	PF 26	2.60	13.10	13.59		13.63	0.003296	0.81	3,20	11.48	0.4
DutletA	16	PF 27	2.70	13.10	13,60		13,63	0.003303	0.82	3.28	11,63	0.4
DutletA	18	PF 28	2.60	13.10	13,61		13.64	0.003310	0.83	3.37	11.77	0,5
DullelA	16	PF 29	2,90	13.10	13.61		13.65	0.003311	0.84	3,46	11.92	0.5
DullelA	16	PF 30	3.00	13.10	13.62		13.66	0.003316	0.85	3,54	12.05	0.5
DutletA	18	PF 31	3.20	13.10	13.63		13.67	0.003328	0.86	3.71	12.32	0,5
DullelA	16	PF 32	3.40	13,10	13.65	/200	13.69	0.003332	0.88	3.88	12.58	0.5
OutletA	18	PF 33	3.60	13.10	13.66		13.70	0.003346	0.89	4.04	12.83	0.5
DutletA	16	PF 34	3.60	13.10	13,67		13.72	0.003356	0.90	4.20	13.06	0.5
DulletA	16	PF 35	4.00	13.10	13.69		13.73	0.003363	0.92	4.36	13.30	0.5
OutletA	18	PF 38	4.20	13.10	13.70		13.74	0.003376	0.93	4.52	13.52	0.5
OutletA	18	PF 37	4.40	13.10	13.71		13.75	0.003377	0.94	4.68	13.74	0.5
				13.10	13.72	-	13.77	0.003384	0.95	4.84	15,42	0.5
DullelA	16	PF 38	4.60					,			17.24	0.5
OutletA	16	PF 39	4,80	13.10	13.73		13.78	0.003388	0.96	5,01		
AlaituC	16	PF 40	5.00	13.10	13.74		13.79	0.003387	0.97	5.20	19.02	0.5
			8							72.20		
DutletA	8	PF 1	0.10	13.08	13.20		13.21	0.006915	0.44	0.23	3,59	0.5
DutletA	8	PF 2	0.20	13.08	13.24		13.28	0.006727	0.52	0.38	4.54	0.5
DutletA	8	PF3	0.30	13.08	13.27		13.29	0.006655	0.59	0.51	5,02	0.5
DutletA	8	PF 4	0.40	13.08	13.29		13.31	0.006543	0.64	0.63	5,44	0.6
DutietA	8	PF.5	0.50	13.08	13.31		13.33	0.006924	0.69	0.72	5.74	0.6
DutietA	8	PF 6	0.60	13.08	13.33		13.35	0.006672	0.72	0.83	6.08	0.6
OutletA	8	PF 7	0.70	13.08	13.34		13.37	0.006881	0.76	0.92	6.34	0.6
DutielA	8	PF8	0.80	13.08	13.36		13.39	0.006828	0.79	1.02	6.61	0.6
DutletA	8	PF 9	0.90	13.08	13.37		13.40	0.006851	0.81	1,10	6.85	0.8
DutletA	8	PF 10	1.00	13.08	13.38		13.42	0.006804	0.64	1.20	7.09	0.6
DutietA	8	PF 11	1.10	13.08	13.39		13.43	0.006901	0.86	1.27	7.29	0.6
DutletA	8	PF 12	1.20	13.08	13.40		13.44	0.006852	0.88	1.36	7.50	0.6
				13.08			13.48	0.006851	0.90	1.44	7.70	0.6
DutletA	8	PF 13	1.30		13.42		13.47	0.006849	0.92	1.52	7.89	0.6
DutletA	8	PF 14	1.40	13.08	13.43		22.72		444			
Dulle(A	8	PF 15	1.50	13.08	13.44		13,48	0.006846	0.94	1.60	8.07	0,6
OutletA	8	PF 16	1.60	13.08	13.45		13.49	0.006840	0.95	1.68	8.24	0.6
DutletA	8	PF 17	1.70	13,08	13.45		13.50	0.006828	0.97	1.76	8.41	0.6
DutletA	8	PF 18	1.80	13.08	13.46		13,51	0.006818	0.98	1.83	8.58	0.6
DutietA	8	PF 19	1.90	13.08	13,47	1-0	13.52	0.006869	1.00	1,90	8.72	0.6
DutietA	8	PF 20	2.00	13.08	13.48		13.53	0.006851	1.01	1.98	8.88	0.6
DutletA	8	PF 21	2.10	13.08	13.49		13.54	0.006837	1.02	2.05	9.03	
DutletA	8	PF 22	2.20	13.08	13.50		13.55	0.006822	1.04	2.13	9.17	
DutletA	8	PF 23	2.30	13.08	13.50		13.56	0.006807	1.05	2.20	9.32	
OutletA	8		2.40	13.08	13.51		13.57	0.006791	1.08	2.27	9.46	0.6
OutletA	8	PF 25	2.50	13.08	13.52		13.58	0.006775	1.07	2.34	9.59	0.6
DutletA	8	PF 26	2.60	13.08	13.53		13.59	0.006759	1.08	2.41	9.73	
DutletA	8	PF 27	2.70	13.08	13.53	manana - Falla Farantings to	13.59	0.006743	1.09	2.48	9.86	
DutletA	8	PF 28	2.80	13.08	13.54	-	13.60	0.006727	1.10	2.55	9.98	
DutletA	8	PF 29	2.90	13.08	13.55		13.61	0.006674	1.10	2.63	10.12	
			3.00	13.08	13.56	6-4	13.62	0.006849	1.11	2.70	10.25	
DutletA	8	PF 30						0.006618	1.13	2.63	10.49	
DutletA	8	PF 31	3.20	13.08	13.57		13.63					2000 HILL
JutletA	8	PF 32	3.40	13.08	13.58	÷	13.65	0.006603	1.15	2.97	10.71	
DutletA	8	PF 33	3.60	13,08	13.59		13.66	0.006595	1,16	3.09	10.93	
DutletA	8	PF 34	3.80	13.08	13.60		13.68	0.006577	1.18	3.22	11.15	
AleltuC	8	PF 35	4.00	13.08	13.62		13.69	0.006543	1.19	3.36	11,38	
DutletA	8	PF 36	4.20	13,08	13.63		13.70	0.006544	1.21	3,48	11.55	
DutletA	8	PF 37	4,40	13.08	13.64		13.71	0.006517	1.22	3.61	11.75	
DutletA	В	PF 38	4.60	13.08	13.65		13.73	0.006490	1.23	3.73	11,95	
DutletA	8	PF 39	4.80	13.08	13.66	(2) profite contract of the co	13.74	0,006463	1.24	3,86	12.14	
DutletA	8	PF 40	5.00	13.08	13.67		13.75	0.006438	1.26	3.98	12.32	
PHUE WY	e Kaliforni	200 00 00 00 00 00 00 00 00 00 00 00 00	3,30	10.00	10.07		1941.0			5,00	12.02	
Carl Print Inc.												

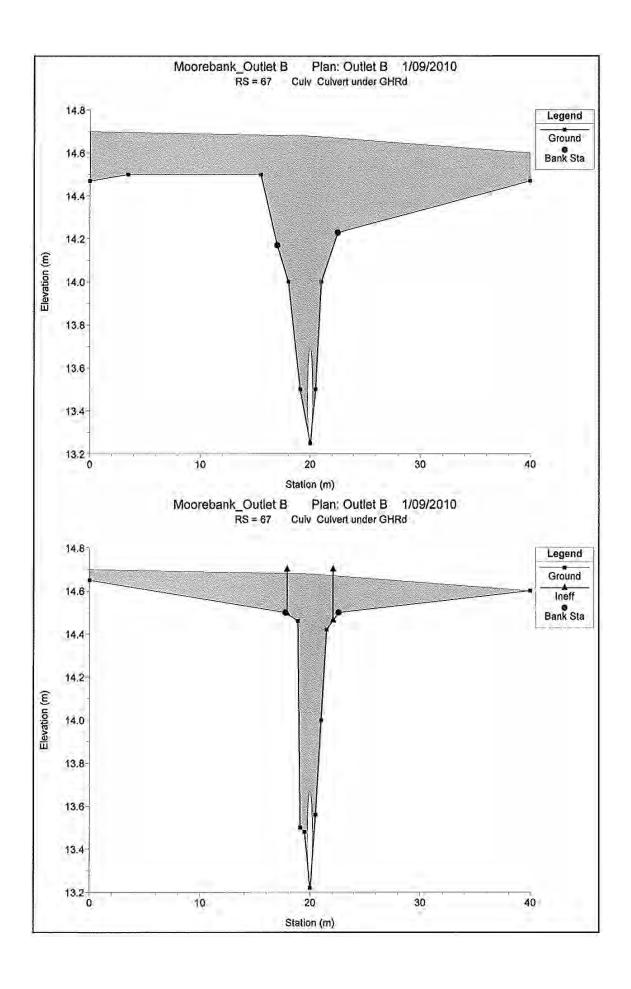
HEC-RAS Plan: Plan 02 River: 1 Reach: OutletA (Continued)

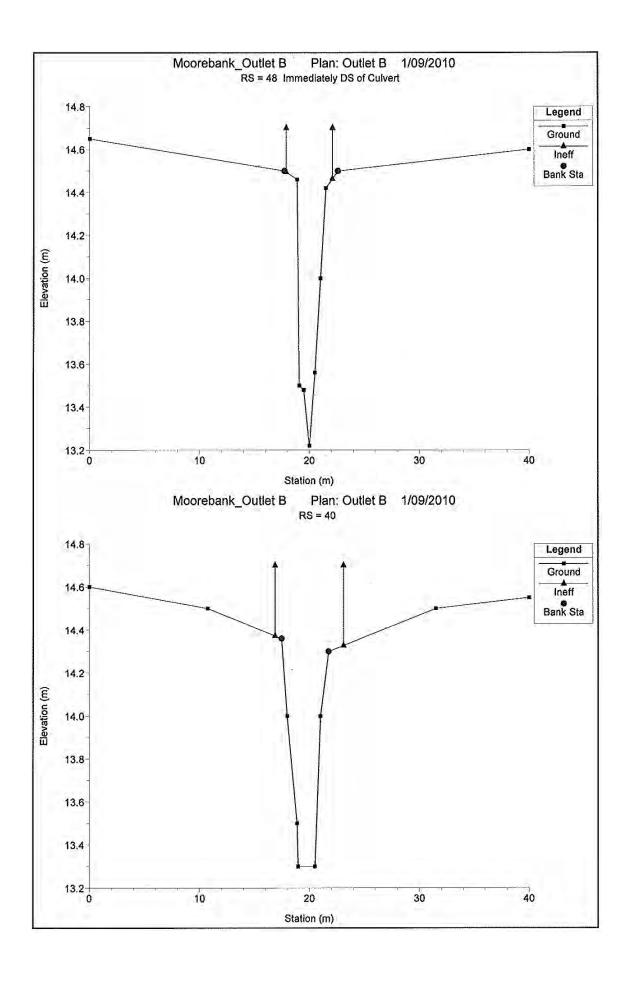
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vei Chni	Flow Area	Top Width	Froude # Chi
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
DutletA	0	PF 2	0.20	12.99	13.13	13.13	13,17	0.020020	0.61	0.25	3.43	0.97
OutletA	0	PF 3	0.30	12.99	13.16	13.16	13.20	0.020008	0.90	0.33	4.00	0.99
OutletA	0	PF 4	0.40	12.99	13.18	13.18	13.22	0.020013	0.97	0.41	4.45	1.01
OutletA	0	PF 5	0.50	12.99	13.19	13.19	13.25	0.018878	1.01	0.50	4.76	1.00
OutlelA	0	PF 6	0.60	12.99	13.21	13.21	13.27	0.018973	1.07	0.56	4.98	1.02
OutletA	0	PF 7	0.70	12.99	13.22	13.22	13.28	0.018213	1.10	0.64	5.21	1.01
OutletA	0	PF 8	08.0	12.99	13.23	13,23	13.30	0.018053	1.14	0.70	5.41	1.01
AfelluO	0	PF 9	0.90	12.99	13.25	13.25	13.32	0.017748	1,17	0.77	5.80	1.01
OutletA	0	PF 10	1.00	12.99	13.26	13.26	13,33	0.017354	1.20	0.83	5.79	1.01
OutletA	lo	PF 11	1.10	12.99	13.27	13.27	13.35	0.016915	1.22	0.90	5.97	1,01
OutletA	0	PF 12	1.20	12.99	13.28	13.28	13.36	0.016961	1.25	0.96	6.12	1.01
OutletA	0	PF 13	1.30	12.99	13.29	13.29	13.37	0.016755	1.28	1.02	6.28	1.01
OutletA	0	PF 14	1.40	12.99	13.30	13.30	13.38	0.016584	1.30	1.08	6.43	1.01
OutletA	0	PF 15	1.50	12.99	13.31	13.31	13.40	0.016377	1.32	1,14	6.58	1.01
OutletA	0	PF 16	1.60	12.99	13.32	13.32	13.41	0.016217	1.34	1.20	6.72	1,01
OutletA	0	PF 17	1.70	12.99	13.32	13.32	13.42	0.016083	1.36	1.25	6.86	1.01
OutletA	0	PF 18	1.80	12.99	13.33	13.33	13.43	0.015949	1.37	1.31	6,99	1,01
OutletA	0	PF 19	1.90	12.99	13.34	13.34	13.44	0.015506	1.38	1.38	7.14	1.00
OutletA	0	PF 20	2.00	12.99	13.35	13.35	13.45	0.015419	1.40	1.43	7.26	1.00
OutletA	0	PF 21	2.10	12.99	13.36	13.36	13.46	0.015314	1.41	1,49	7.38	1.00
OutlelA	0	PF 22	2.20	12.99	13.36	13.36	13.47	0.015215	1.43	1.54	7,50	1.00
OutletA	0	PF 23	2.30	12.99	13.37	13.37	13.48	0.015121	1.44	1,60	7.62	1.00
OutletA	0	PF 24	2.40	12.99	13.38	13.38	13.49	0.015030	1.45	1.65	7.73	1.00
OutletA	0	PF 25	2.50	12.99	13.39	13.39	13.49	0.014948	1.47	1,70	7,84	1,00
OutletA	0	PF 26	2.60	12.99	13.39	13.39	13.50	0.014866	1.48	1.76	7.95	1.01
OutletA	0	PF 27	2.70	12.99	13.40	13.40	13.51	0.014787	1.49	1.81	8.05	1.01
OutletA	0	PF 28	2.80	12.99	13.41	13.41	13.52	0.014715	1.50	1.86	8.16	1.01
OutletA	0	PF 29	2.90	12.99	13.41	13.41	13.53	0.014824	1.62	1.90	8.24	1.01
OutletA	0	PF 30	3.00	12.99	13.42	13.42	13.54	0.014796	1.54	1.95	8.34	1.01
OutletA	0	PF.31	3.20	12.99	13.43	13,43	13.55	0.014658	1.56	2.06	8.53	1.01
OutletA	0	PF 32	3.40	12.99	13.44	13.44	13.57	0.014450	1.57	2.16	8.73	1.01
OutletA	0	PF 33	3.60	12,99	13.45	13.45	13,58	0.014214	1.59	2.27	8.92	1.01
OutletA	0	PF 34	3.80	12.99	13.46	13.46	13.59	0.014042	1.60	2.37	9.10	1.00
OutleIA	0	PF 35	4.00	12.99	13.47	13.47	13.61	0.013951	1.62	2.47	9.27	1.00
OutletA	0	PF 36	4.20	12.99	13.48	13.48	13.62	0.013861	1.64	2.56	9.44	1.00
OutletA	0	PF 37	4.40	12.99	13.49	13.49	13.63	0.013774	1.68	2.66	9.60	1.00
OutletA	0	PF.38	4.60	12.99	13.50	13,50	13.65	0.013693	1.67	2.75	9.75	1.00
OutletA	0	PF 39	4.80	12.99	13.51	13.51	13.66	0.013614	1.69	2.85	9.91	1.00
OutletA	0	PF 40	5.00	12.99	13.52	13.52	13.67	0.013540	1.70	2.94	10.06	1.00

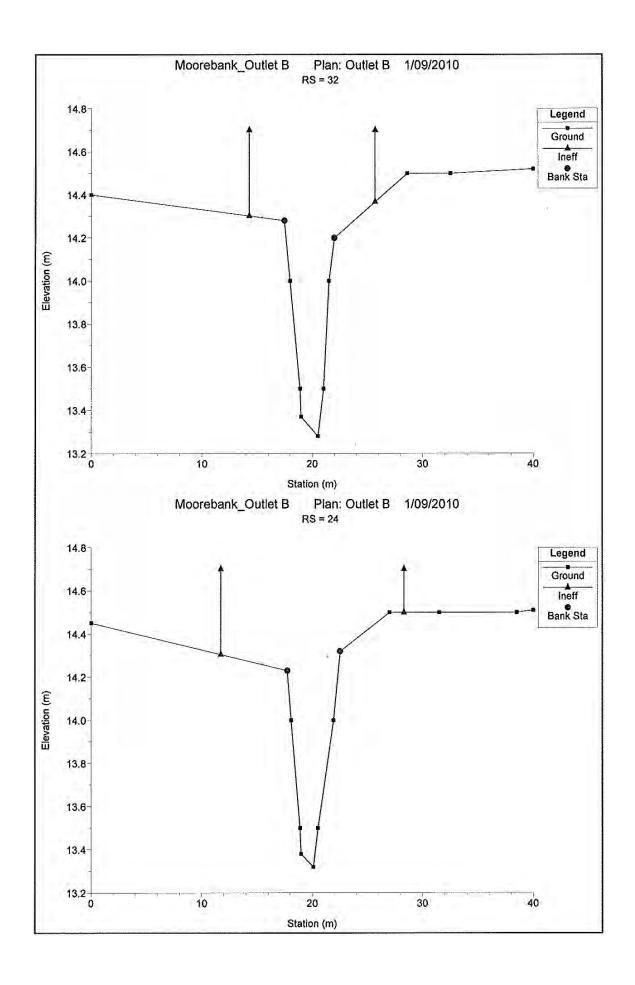
OUTLET B EXISTING - HEC-RAS MODEL FILES

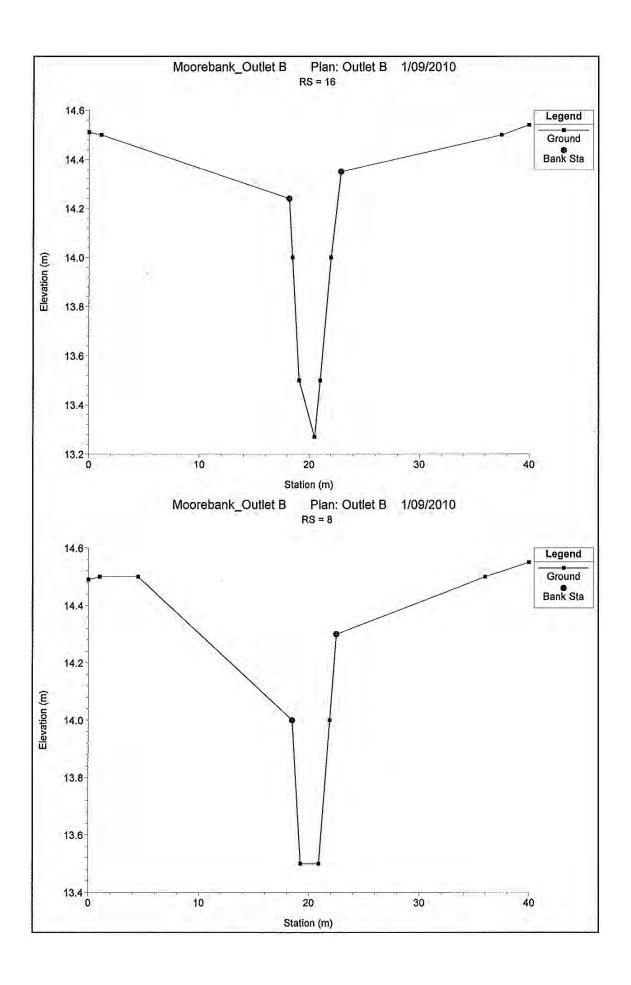


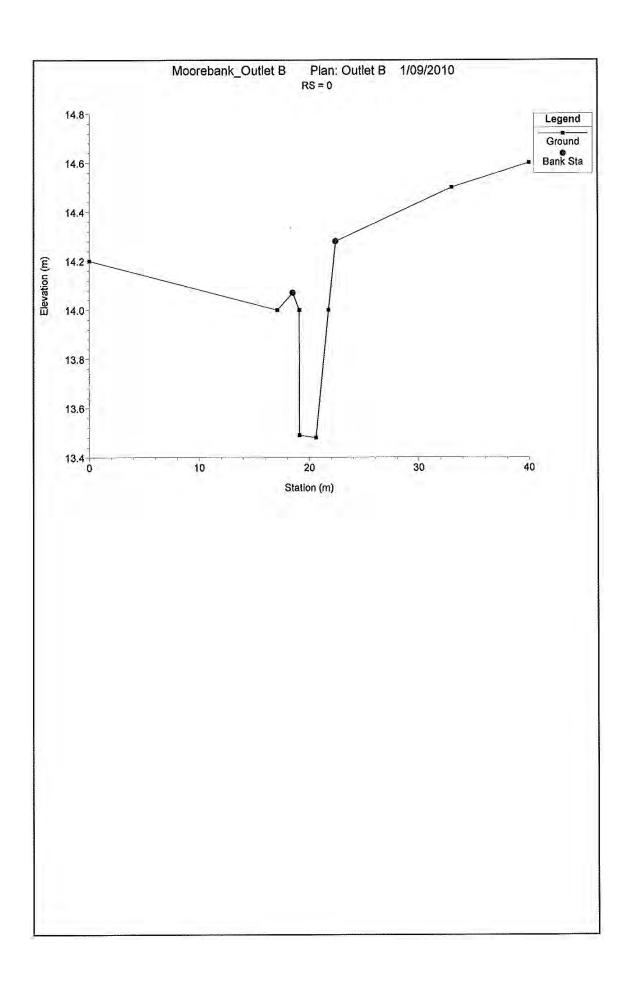


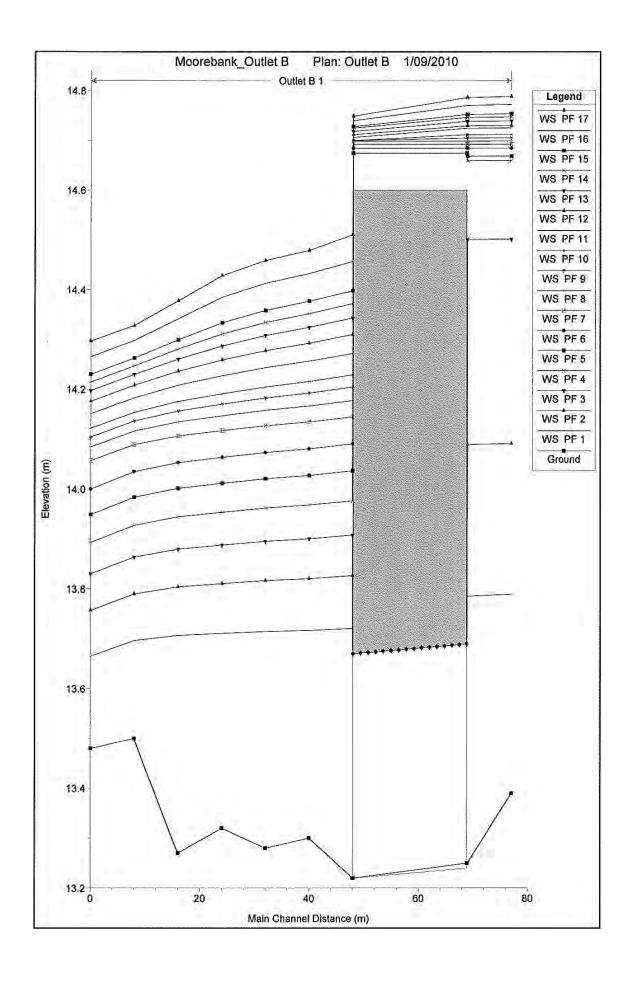










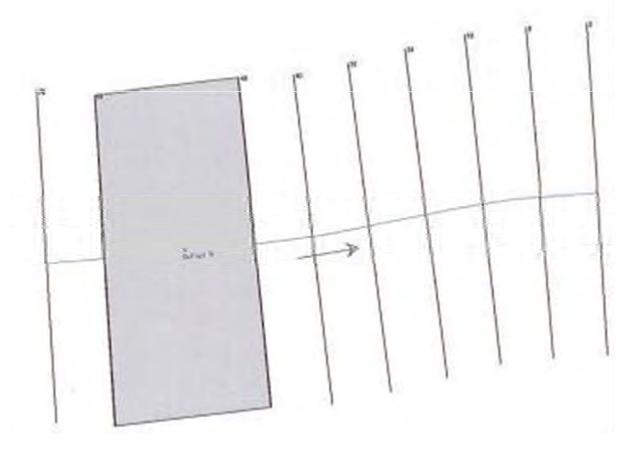


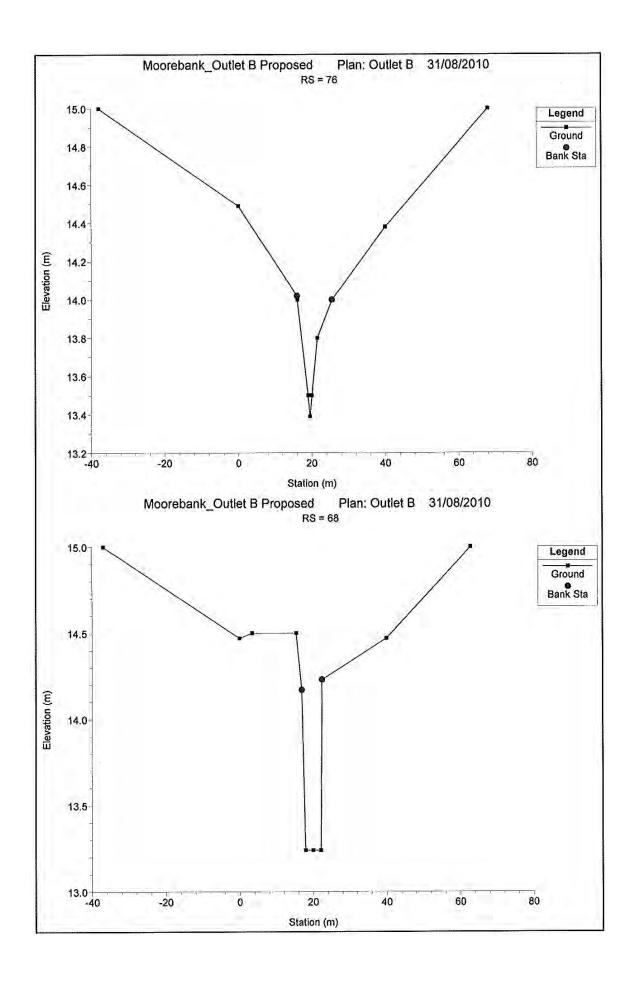
HEC-RAS Plan: 8 River, Outlet B Reach: 1

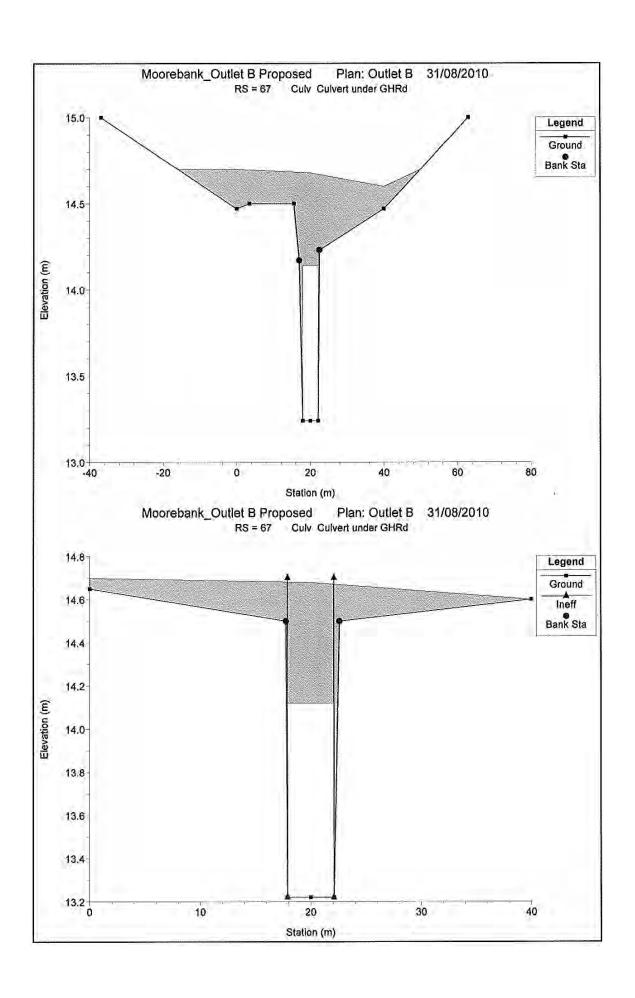
Reaci	n River S	Sta Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope (m/m)	Vel Chni (m/s)	Flow Area (m2)	Top Width (m)	Froude # Ch
			(m3/s)	(m)	(m) 13.79	(0)	(m) 13.79	0.000521	0.13	0.80	4.12	0.
	76	PF 1	0.10	13,39			14.09	0.000067	0.13	3.31	15.40	0.
	76	PF2	0.20	13.39	14.09			Committee of the Commit	0.03	15.43	40.00	0.
	76	PF3	0.30	13.39	14.50		14.50	0.000004	0.03		40.00	0.
	76	PF4	0.40	13.39	14.66		14.66	0.000002		21.76	40.00	0.
	76	PF 5	0.50	13.39	14,67		14.67	0.000004	0.03	22.11	CONTRACTOR SHOW	0.
	76	PF 6	0.60	13.39	14.68		14,68	0.000005	0.03	22.75	40.00	
	76	PF7	0.70	13,39	14.69		14.69	0.000006	0.04	23.08	40.00	0.
	76	PF 8	0.80	13.39	14.70		14.70	0.000008	0.04	23.33	40.00	0.
	76	PF 9	0.90	13.39	14.71		14.71	0.000010	0.05	23,58	40.00	0.
	76	PF 10	1.00	13.39	14.71		14.71	0.000011	0.05	23.85	40.00	0.
	76	PF 11	1.20	13.39	14.73		14.73	0.000015	0.08	24.38	40.00	0.
	76	PF 12	1.40	13.39	14.73		14.73	0.000021	0,07	24.67	40.00	0.
	76	PF 13	1.60	13.39	14.74		14.74	0.000028	0.08	24.94	40,00	0.
	76	PF 14	1.80	13,39	14.75	1	14.75	0.000031	0.09	25.27	40.00	0
	76	PF 15	2.00	13,39	14.75		14.75	0.000037	0.10	25.51	40,00	0
	76	PF 16	2,50	13.39	14.77		14.77	0.000053	0.12	26.26	40.00	0
	76	PF 17	3,00	13,39	14.79		14.79	0.000071	0.14	26,90	40.00	0
						×200-4-000						
	68	PF 1	0.10	13,25	13.79	13,44	13.79	0.000410	0.14	0.70	2.31	0
	68	PF 2	0.20	13.25	14.09	13.50	14.09	0.000229	0.13	1.59	4.11	- 0
entro Hereis	68	PF 3	0.30	13.25	14.50	13.54	14.50	0.000026	0.08	6.75	40.00	0
	68	PF 4	0.40	13.25	14.66	13.58	14.68	0.000011	0.05	13.08	40.00	Ç
00000 00000	68	PF 5	0.40	13.25	14.67	13.61	14.67	0.000016	0.06	13.43	40.00	
GIOS rotos	The state of the s		0.60	13.25	14.68	13.64	14.68	0.000020	0.06	14.07	40.00	0
	68	PF 6	0.70	13.25	14.69	13.67	14.69	0.000025	0.07	14.39	40.00	
	68	PF 7	The same of the particular con-		14.70	13.69	14.70	0.000023	0.08	14.64	40.00	
	68	PF 8	0.80	13.25		1170	to Personal Control of the Control o	0.000031	0.09	14.89	40.00	
	68	PF 9	0.90	13.25	14.70	13.72	14.71	AMERICAN PROPERTY.	0.09	15,18	40.00	
	68	PF 10	1.00	13.25	14,71	13.74	14.71	0.000045	The second secon		40.00	
	68	PF 11	1.20	13.25	14.72	13.78	14.73	0.000058	0.11	15,68		
	68	PF 12	1.40	13.25	14.73	13.82	14.73	0.000077	0.13	15.87	40.00	
	68	PF 13	1.60	13.25	14.74	13.85	14.74	0.000094	0.15	16.23	40.00	Ċ
	68	PF 14	1.80	13.25	14.75	13.88	14.76	0.000113	0.16	16.55	40.00	
	68	PF 15	2.00	13.25	14.75	13.91	14.75	0.000134	0.18	16.78	40.00	
	68	PF 16	2.50	13.25	14.77	13.99	14.77	0.000185	0.21	17,52	40,00	Indeeder C
	68	PF 17	3.00	13.25	14.79	14.07	14.79	0.000240	0.24	18.13	40.00	
	67		Culvert						()		3102007	
	67											
	48	PF1	0.10	13.22	13.72	13.45	13.72	0.001217	0.22	0.48		
	48	PF 2	0.20	13.22	13.83	13.63	13.83	0.001916	0.31	0.64		1
	48	PF3	0.30	13.22	13.91	13.57	13.92	0,002415	0.38	0.79	- PAULO	
JAW Salat	48	PF 4	0.40	13,22	13,98	13.61	13,99	0.002804	0.43	0.92	- Dung Corp	- (
	48	PF 5	0.50	13.22	14.04	13.64	14.05	0.003129	0.48	1.04		
	48	PF 6	0.60	13.22	14.09	13.67	14.10	0.003412	0.52	1.16		
	48	PF 7	0.70	13.22	14.14	13.70	14.16	0.003577	0.55	1.27		(
	48	PF 8	0.80	13.22	14.18	13.73	14.20	0.004019	0.59	1,35	2.25	
	48	PF 9	0.90	13.22	14.20	13.75	14.23	0.004513	0.64	1.41	2.29	- (
	48	PF 10	1.00	13.22	14,23	13.78	14,25	0.005017	0.68	1.47	2,32	
	48	PF 11	1,20	13.22	14.27	13.82	14.30	0.006038	0.77	1,57	2.38	
	48	PF 12	1.40	13.22	14.31	13.87	14.35	0.007058	0.84	1.66	2.44	
	48	PF 13	1.60	13.22	14.34	13.91	14,39	0.008104	0.92	1.74	2.48	
	48	PF 14	1.80	13.22	14.37	13.94	14.42	0.009203	0.99	1.81	2.52	
¥ (1)		The same of the sa	2.00	13.22	14.40	13.98	14.46	0.010336	1.06	1.88	-	
	48	PF 15	2.50	13.22	14.46	14.06	14.53	0.014940	1,23	2.04	Control Control Control Control	
	48	PF 16	- CONTRACTOR	1	14.51	14.14	14.50	0.021073	1.34	2.25	- ortho	
	48	PF 17	3.00	13.22	14.01	19.19	14,00	7,02,1073	1.04	£,20	1,40	A PARTY
	40	PF 1	0.10		13.72	13.37	13.72	0.000333	0.13	0.76	-	
	40	PF 2	0.20	13.30	13.82	13.42	13.82	0.000604	0.20	1.01		
	40	PF3	0.30	13.30	13.90	- 13.46	13.90	0.000806	0.25	1,22		10000
	40	PF 4	0.40		13.97	13.49	13.97	0.000963	0.28	1,42		
	40	PF 5	0.50		14.03	13.52	14.03	0.001102	0.31	1.59	3.11	
	40	PF 6	0.60		14.08	13.55	14.09	0.001225	0.34	1.77	3.31	
	40	PF 7	0.70		14.13	13.67	14.14	0.001293	0.36	1.95	3.52	1
	40	PF 8	0.80		14.17	13.60	14.17	0.001460	0,39	2.06	3,65	
V.	40	PF 9	0.90		14.19	13.62	14.20	0.001644	0.42	2,18	3.75	
	40	PF 10	1.00		14.22	13.64	14.23	0.001831	0.44	2.25	3.84	110,707
	40	PF 11	1.20		14.26	13.68	14.27	0.002207	0.50	2.41	4.00	
	40	PF 12	1.40	at the property of the party of	14.29	13.72	14.31	0.002577	0.55	2.56	Harris and the second	00000000
910H	40	PF 13	1.60		14.32	13,76	14.34	0.002898	0.60	2.70	4	- cor
*067 644	40		1.80		14.35	13.79	14.37	0.003207	0.64	2.86		
		PF 14	2.00		14.33	13.82	14.40	0.003484	0.68	3.00	0.000	
	40	PF 15				13.89	14.46	0.004096	0.78	3.35	***************************************	
	40 40	PF 16 PF 17	2.50 3,00	Contract Con	14.43	13.89	14.46	0.004695	0.87	3.63		016776
				\$100.000		13.40	13.72	0.000274	0,12	0.84	2.70	
984	32	PF 1	0.10		13.71			0.000274	0.12	1.13		
	32	PF 2	0.20		13,82	13.44	13.82					
	32	PF3	0.30		13.90	13.47	13.90	0,000618	0.22	1.37		
	32	PF 4	0.40		13.96	13.50	13.97	0.000727	0.25	1,59		
	32	PF 5	0.50			13.53	14.02	0.000822	0.28	1,80		A CLASS
5	32	PF6	0.60			13.55	14.08	0.000910	0.30	1.99	_	
	32	PF 7	0.70	13.28	14.13	13.57	14.13	0.000957	0.32	2 20		
	32	PF8	0.80		14.16	13.60	14.16	0.001081	0.34	2.33	4.16	
	32	PF 9	0.90	13.28	14.18	13.62	14.19	0.001222	0.37	2.43	4.28	

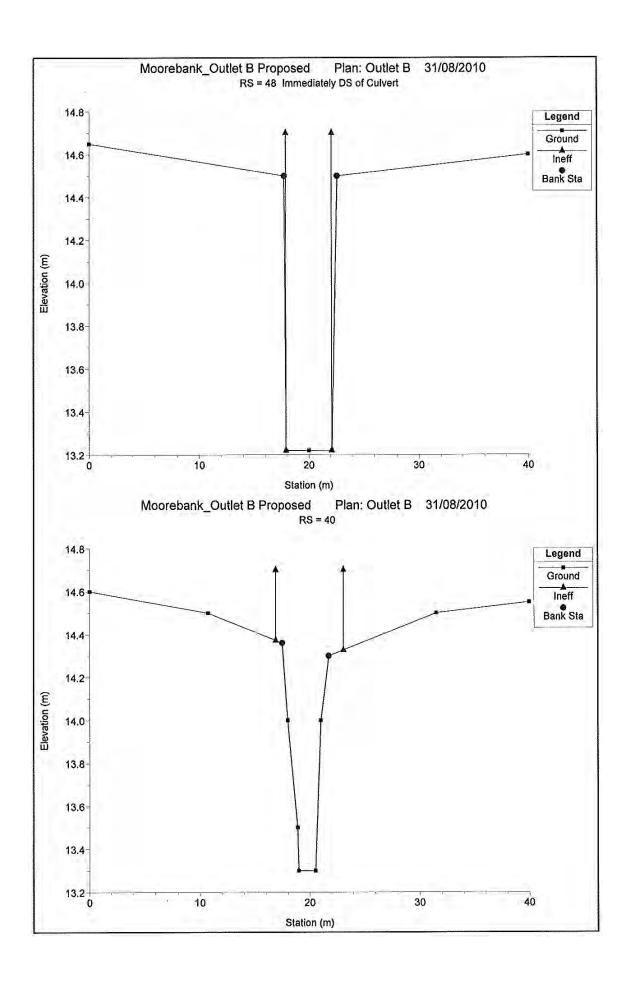
	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chol	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(nv/s)	(m2)	(m)	
	32	PF 10	1.00	13.28	14.20	13.63	14.21	0.001360	0.40	2.53	4.47	0,1
	32	PF 11	1.20	13.28	14.24	13,87	14.25	0.001606	0.44	2.72	5.39	0.1
	32	PF 12	1,40	13.28	14.28	13.70	14.29	0.001844	0.49	2.92	6.21	0.2
	32	PF 13	1.60	13.28	14.31	13.73	14.32	0.002037	0.53	3.17	10.97	0.2
	32	PF 14	1.80	13,28	14.33	13.77	14.35	0.002212	0.57	3.45	15.40	0.23
	32	PF 15	2.00	13.28	14.36	13.79	14.38	0.002370	0.60	3.71	19.44	0.2
	32	PF 16	2.50	13.28	14.41	13.86	14.43	0.002667	0.67	4.33	26.68	0.24
	32	PF 17	3.00	13.28	14.46	13,92	14.48	0.002929	0.73	4.85	27,69	0.26
		100000000000000000000000000000000000000				13,34				4100		
	24	PF 1	0.10	13.32	13.71	13.44	13.71	0.000598	0.16	0.64	2.53	0.10
	24	PF 2	0.20	13,32	13.81	13.49	13,81	0.000911	0.22	0.92	2.97	0.13
	24	PF 3	0.30	13.32	13.89	13.53	13.89	0.001087	0.26	1.16	3.31	
	24	PF 4	0.40	13.32	13.95	13.56	13.96	0.001007			3.60	0.14
46.05	24	PF 5	0.50	13.32		13.59			0.29	1.39		0.18
	24	1	THE THE PERSON NAMED OF TH		14.01		14.02	0.001259	0.31	1,60	3,84	0.16
	24	PF 6	0.60	13.32	14.06	13.62	14.07	0.001295	0.33	1.81	4.02	0,18
		PF 7	0.70	13.32	14.12	13.64	14.12	0.001280	0.35	2.03	4.20	0.18
	24	PF.8	0.80	13.32	14.15	13.67	14,15	0.001413	0.37	2.15	4.30	0.17
	24	PF.9	0.90	13.32	14.17	13.69	14.18	0.001574	0.40	2.25	4.38	0,18
	24	PF 10	1.00	13.32	14.19	13.71	14.20	0.001740	0.43	2.34	4.45	0.19
30000000000000000000000000000000000000	24	PF 11	1.20	13.32	14.23	13.75	14.24	0.002081	0.48	2.51	4.57	0.21
10000000	24	PF 12	1,40	13.32	14.26	13.78	14.27	0.002386	0.53	2.69	6.97	0.22
	24	PF 13	1.60	13.32	14 29	13.81	14.30	0.002668	0.57	2.91	9.28	0.24
	24	PF 14	1.80	13.32	14,31	13,84	14.33	0.002933	0.61	3.16	11.28	0.25
	24	PF 15	2.00	13,32	14.33	13.87	14.35	0.003132	0.65	3.41	13.45	0.26
1,000	24	PF 16	2.50	13,32	14.38	13.93	14.41	0.003481	0.72	4.01	18.87	0.28
	24	PF 17	3,00	13.32	14.43	13.99	14.46	0.003769	0.78	4.58	23,47	0.29
(DECEMBER)	E 1944 1945			- red				31127177			-4774	
	16	PF 1	0.10	13.27	13.71		13.71	0.000504	0.15	0,68	2.58	0.09
	16	PF 2	0.20	13.27	13.80		13,81	0.000797	0.13	0.94	2.87	0.12
	18	PF3	0.30	13.27	13.88		13.88	0.000984	0.28	1.17	3.11	
to to be a second	16	PF 4	0.40	13.27	13.94		13.95	0.001112	0.29	1.38	/accommence	0.13
14.55.50	16	PF 5	0.50	13.27				0.001112			3,32	0.14
48040-0					14.00		14.01		0.32	1.57	3.51	0.15
1111111111	16	PF 6	0.60	13.27	14.05		14,06	0.001294	0.34	1.76	3,70	0.16
	16	PF 7	0.70	13.27	14.11		14.11	0.001317	0.36	1.96	3.91	0,16
	16	PF8	08.0	13.27	14.13		14.14	0.001483	0.39	2.07	4.01	0.17
	18	PF 9	0.90	13 27	14.16		14.17	0.001680	0.42	2.16	4.10	0.18
	16	PF 10	1.00	13.27	14.18		14.19	0.001886	0.45	2 24	4.17	0.19
355 inner	16	PF 11	1.20	13.27	14.21		14.22	0.002316	0.50	2,38	4.30	0.22
	16	PF 12	1.40	13.27	14.24		14.25	0.002760	0.56	2.50	4,40	0.24
	16	PF 13	1.60	13.27	14.28		14.28	0.003191	0.61	2.62	5.83	0.28
	16	PF 14	1.80	13.27	14.28		14.30	0.003643	0.68	2.76	7.21	0.27
	16	PF 15	2.00	13.27	14.30		14.33	0.004085	0.71	2.90	8.48	0.29
	16	PF 16	2.50	13.27	14.34		14.38	0.005081	0.82	3,32	11.36	0.33
168186	16	PF 17	3.00	13.27	14.38		14.42	0.005828	0.91	3.81	18.47	0.35
		100000000000000000000000000000000000000							0.01	0,01	10.41	~
200000	8	PF 1	0.10	13.50	13.70		13.70	0.002695	0.26	0.39	2.34	0.20
	8	PF 2	0.20	13.50	13,79		13.80	0.002738	0.32	0.63	2.66	0.21
	8	PF 3	0.30	13.50	13.86							
	18	PF 4	0.40			***************************************	13.87	0.002724	0.38	0.83	2.92	0.22
	8			13.50	13.93		13.94	0.002685	0.39	1,03	3,15	0.22
	The second secon	PF 6	0.50	13.50	13.98		13.99	0.002648	0.41	1.21	3.34	0.22
	8	PF 6	0.60	13.50	14.03		14.04	0.002555	0,43	1.40	4,44	0.22
	8	PF7	0,70	13.50	14.09		14.10	0.002288	0.44	1.69	6,08	0,21
Technical Control		PF.8	0.80	13.50	14.12		14.13	0.002429	0.46	1.88	6.89	0.22
		PF 9	0.90	13.50	14.14		14.15	0.002637	0.49	2.01	7.49	0,23
	the state of the s	PF 10	1.00	13.50	14.15		14.17	0.002852	0.52	2.14	8.01	0.24
Te 200		PF 11	1.20	13.50	14.18		14.20	0.003288	0.58	2.39	8.89	0.26
		PF 12	1.40	13.50	14.21		14.23	0.003701	0.63	2.62	9.85	0.28
300000		PF 13	1.60	13.50	14.23		14.25	0.004105	0.67	2.84	10.30	0.29
		PF 14	1.80	13.50	14.25		14.27	0.004567	0.72	3.02	10.82	0.31
	8	PF 15	2.00	13.50	14.26	70	14.29	0.005021	0.77	3,19	11.28	0.32
Miles in	8	PF 16	2.50	13.50	14,30		14.33	0.006056	0.87	3.61	12.34	0.36
Plante gra		PF 17	3,00	13.50	14.33		14.37	0.006891	0.95	4.02	15.11	0.39
	3.88	000000000000000000000000000000000000000		o coolancian a community		-						
	0	PF 1	0.10	13.48	13.66	13.56	13.67	0.005001	0,33	0.31	1,91	0.26
	Contract of the Contract of th	PF 2	0.20	13.48	13.76	13.60	13.77	0.005003	0.41	0.49	2.11	0.27
STATE OF THE PARTY		PF3	0.30	13.48	13.83	13.64	13.84	0.005002	0.46	0.65	2.17	0.27
	The second second	PF 4	0.40	13.48	13.89	13.67	13.04	0.005002	0.50	0.80	2.27	0.28
	- compress	PF5	0.50	13.48	13.95			THE PROPERTY OF THE PARTY OF TH				- PTT 121-3-00
						13.70	13.96	0.005007	0.53	0.94	2.54	D 28
		PF6	0.60	13.48	14.00	13.72	14.02	0.005007	0.56	1.07	2.65	0.28
		PF7	0.70	13.48	14.06	13.75	14.07	0.005007	0.65	1.41	9.33	0.28
		PF 8	08.0	13.48	14.08	13.77	14.10	0.005005	0.56	1,71	12.08	0.29
		PF 9	0.90	13.48	14.10	13.79	14.12	0.005006	0.57	1.97	13.84	0.29
		PF 10	1,00	13.48	14.12	13.81	14.14	0.005003	0.59	2.22	15.36	0.29
		PF 11	1.20	13.48	14.15	13.85	14.17	0.005008	0.61	2.71	17.94	0.29
	0	PF 12	1.40	13.48	14.18	13.88	14.19	0.005006	0.62	3.18	20,11	0.30
959		PF 13	1.60	13,48	14.20	13.92	14.21	0.005003	0.64	3.63	22.00	0.30
		PF 14	1.80	13.48	14.21	13.95	14.23	0.005001	0.65	4.01	22.25	0.30
MATTER ELECT	WW. 100.	PF 15	2.00	13.48	14.23	14.08	14.25	0.005008	0.66	4.36	22.28	0.30
	THE RESERVED FOR THE PARTY AND							0.005004	0.68			
	0	PF 16	2.50	13.48	14.27	14.14	14.28			5.15	22.37	0.30

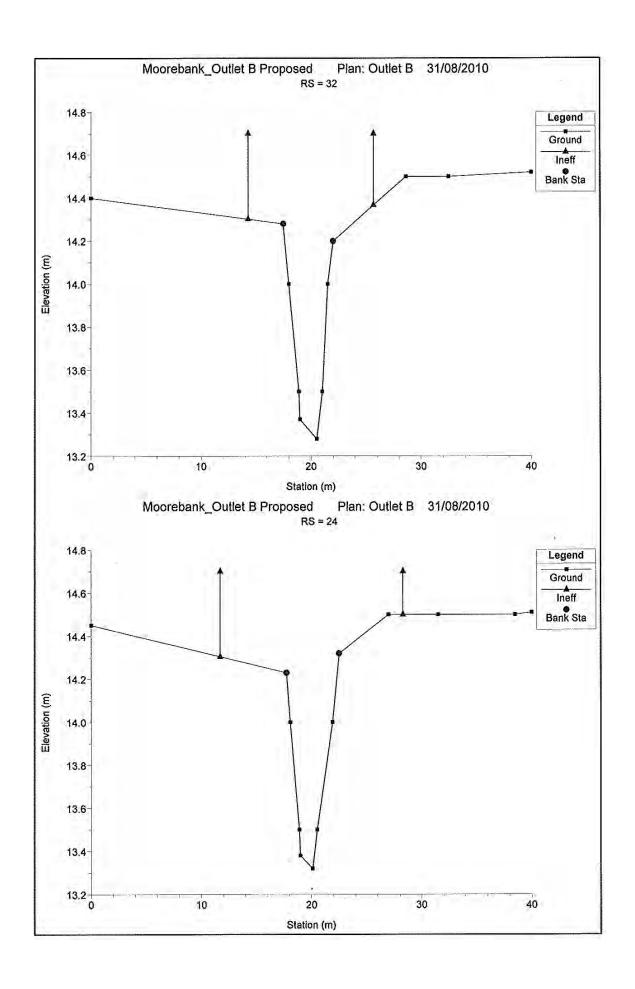
OUTLET B PROPOSED - HEC-RAS MODEL FILES

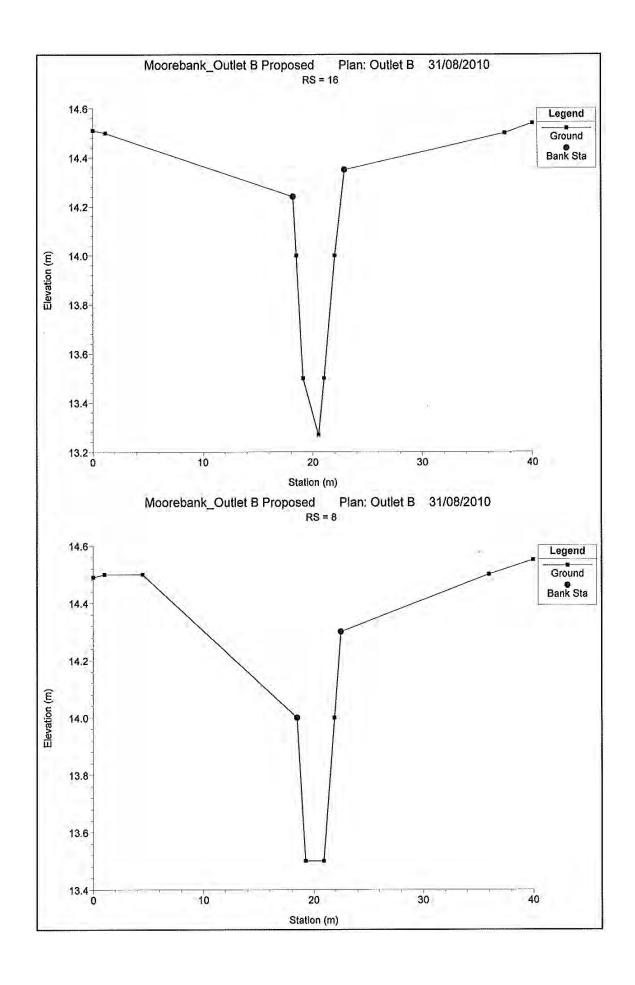


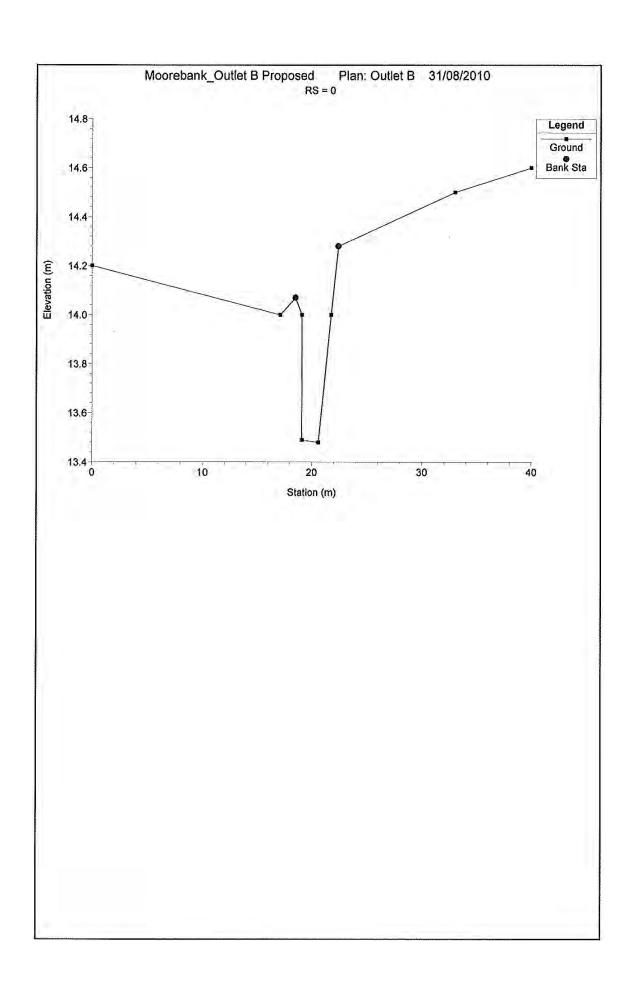


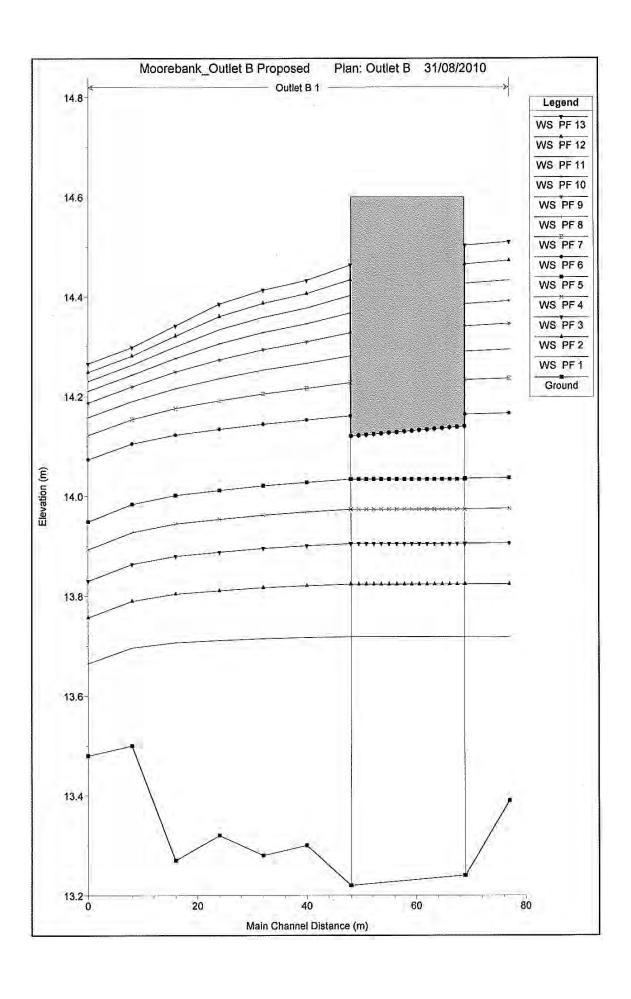












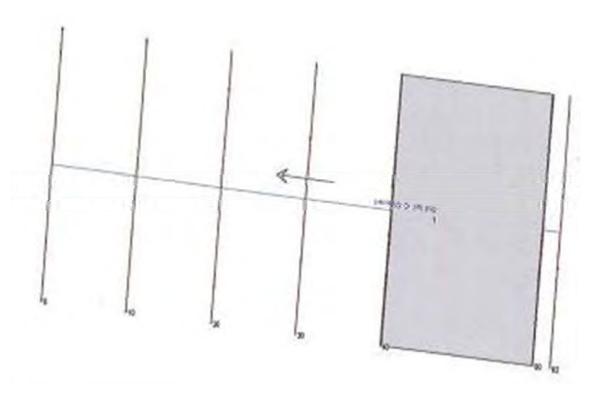
HEC-RAS Plan: B River: Outlet 8 Reach: 1

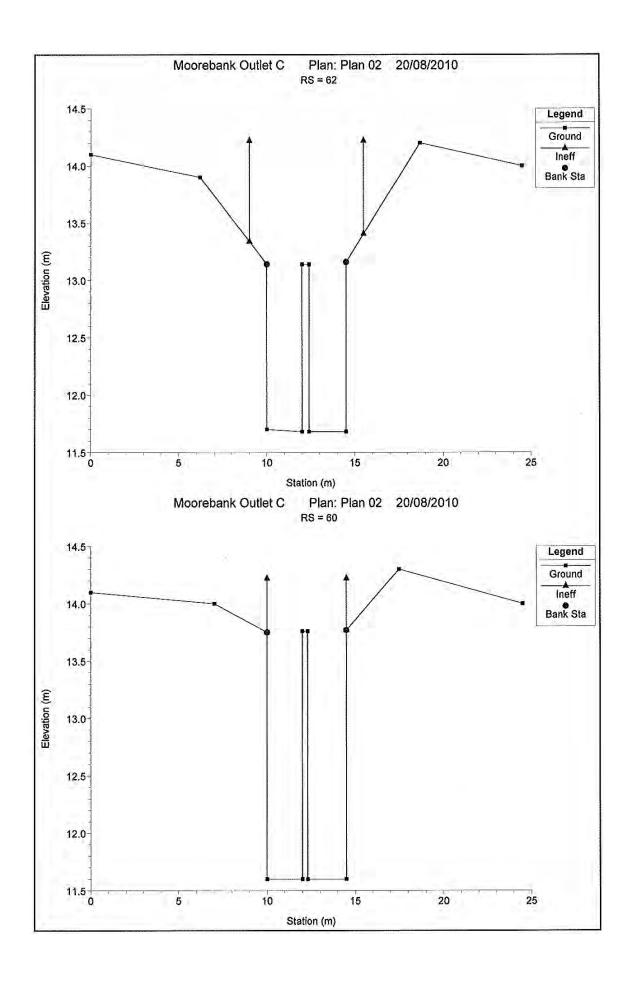
Read	ch River	Sta Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chri	Flow Area (m2)	Top Width (m)	Froude # Chl
	76	PF 1	(m3/s) 0.10	(m) 13.39	(m) 13.72	(m) 13.55	(m) 13.72	(m/m) 0.001545	(m/s) 0.19	0.53	3.35	0.15
2000	76	PF 2	0.10	13.39	13.82	13.60	13.83	0.001441	0.21	0.95	4,85	0.15
1200000	76	PF3	0.30	13.39	13.91	13.63	13.91	0.001320	0.21	1.43	6.97	0.15
1	76	PF 4	0.40	13.39	13.98	13.66	13.98	0.001081	0.20	1.98	8.76	0.14
i	76	PF 6	0.50	13.39	14.04	13.68	14.04	0.000807	0.20	2.58	11.46	0.12
1	78	PF 6	0.75	13.39	14.17	13.73	14.17	0.000422	0.18	4.66	20.79	0.09
1	76	PF 7	1.00	13.39	14.24	13.78	14.24	0.000376	0.19	6.30	25.85	0.09
1	76	PF8	1.25	13.39	14.29	13.81	14.30	0.000347	0.20	7.92	30.04	0.09
1	78	PF 9	1.50	13,39	14.35	13.85	14.35	0.000322	0.21	9.58	33,76	0.09
1	76	PF 10	1.75	13.39	14.39	13.88	14.39	0.000304	0.21	11.18	37,13	0.09
1	76	PF 11	2.00	13.39	14.43	13.90	14.43	0.000289	0.21	12.79	40.43	0,08
1	78	PF 12	2.25	13.39	14.47	13.92	14.47	0.000275	0.22	14.45	43,55	0.08
1	76	PF 13	2.50	13,39	14.51	13.94	14.51	0.000262	0.22	16.16	47.35	0.08
1	68	PF 1	0.10	13.24	13.72	13.28	13.72	0.000026	0.05	2.17	4.86	0.02
1	68	PF 2	0.20	13.24	13.82	13.30	13.82	0.000054	0.07	2.69	5.00	0.03
1 (000000	68	PF3	0.30	13.24	13.91	13.32	13.91	0.000079	0.10	3,10	5.11 5.21	0.04
1	68	PF 4	0.40	13.24	13.97	13.34	13.98 14.04	0.000101	0.12 0.13	3.77	5.21	0.05
1	68	PF 5	0.50	13.24	14.04	13.35 13.39	14.17	0.000121	0.13	4.47	5.47	0.00
1	68 68	PF 6	1.00	13.24	14.23	13.42	14.17	0.000187	0.17	4.85	6.00	0.07
1 000000 1 000000	68	PF 7	1.25	13.24	14.29	13.45	14.29	0.000289	0.24	5.32	10,42	0.08
1.0000000 1.0000000	68	PF 9	1.50	13.24	14.34	13.47	14.34	0.000265	0.27	5.95	14.33	0.09
1	68	PF 10	1.75	13.24	14,39	13.50	14.39	0.000386	0.30	8.67	17.81	0.09
1	68	PF 11	2.00	13.24	14.43	13.52	14.43	0.000421	0.32	7.46	20.98	0.10
1	68	PF 12	2.25	13.24	14.47	13.54	14.47	0.000447	0.34	8.34	23.99	0.10
1	68	PF 13	2.50	13.24	14.50	13.56	14.51	0.000467	0.35	9.41	43.70	0.10
											Contract States on the States	
1	67		Culvert	1					4			
1	48	PF 1	0.10	13.22	13.72	13.26	13.72	0.000021	0.05	2.09	4.45	0,02
1	48	PF.2	0.20	13.22	13.82	13.28	13,82	0.000044	0.08	2,53	4,51	0.03
1	48	PF 3	0.30	13.22	13.90	13.30	13.91	0.000065	0.10	2.68	4.55	0.04
1	48	PF 4	0.40	13.22	13,97	13.32	13.97	0.000084	0.13	3.16	4.58	0.05
1	48	PF.5	0.50	13.22	14.03	13.33	14.03	0.000101	0.15	3.42	4.61	0.05
1	48	PF 6	0.75	13.22	14.18	13.37	14.16	0.000141	0.19	3.95	4.68	0.06
1	48	PF 7	1.00	13.22	14.23	13.40	14.23	0.000199	0.24	4.23	4.71	0.08
1	48	PF 6	1.25	13.22	14.28	13.43	14.29 14.33	0.000262	0.28 0.32	4.48	4,74 4.76	0.10
1	48 48	PF 9 PF 10	1.50	13.22	14.33 14.37	13.48	14.37	0.000327	0.38	4.82	4.78	0.11
	48	PF 11	2.00	13.22	14.40	13.50	14.41	0.000380	0.40	4.96	4.80	0.12
4 - ST	48	PF 12	2,25	13.22	14.43	13.53	14.44	0.000542	0.44	5.10	4.82	0.13
1	48	PF 13	2.50	13.22	14.46	13.55	14.48	0.000617	0.48	5.22	4.83	0.14
											ANALOS	
1	40	PF 1	0.10	13.30	13.72	13,37	13.72	0.000333	0.13	0.78	2:29	0.07
1	40	PF 2	0.20	13.30	13.82	13.42	13.82	0.000604	0.20	1.01	2.55	0.10
1	40	PF3	0,30	13.30	13.90	13.46	13.90	0.000806	0.25	1.22	2.75	0.12
1	40	PF 4	0.40	13.30	13.97	13.49	13.97	0.000963	0.28	1.42	2.92	0.13
1	40	PF 5	0.50	13,30	14.03	13.52	14.03	0.001102	0.31	1.59	3,11	0.14
1	40	PF.6	0.75	13.30	14.15	13.58	14.16	0.001369	0.37	2.01	3.59	0.16
1	40	PF 7	1.00	13.30	14.22	13,64	14.23	0.001831	0.44	2.25	3.84	0.19
1	40	PF 8	1.25	13,30	14.27	13.69	14.28	0.002300	0.51	2.45	4.03	0.21
1	40	PF 9	1,50	13.30	14.31	13.74	14.33	0.002745	0.57	2.63	4.63	0.23
1	40	PF 10	1.75	13.30	14,35	13.78	14.37	0.003131	0.63	2,82	6.45	0.25
1	40 40	PF 11	2.00	13.30	14.38	13.82	14.40 14.43	0.003484	0.68	3.00 3.18	8.84 11.63	0.28
1	SECTION AND ADDRESS OF THE PARTY OF THE PART		2.50	13.30	14.43	13.89	14.46	0.003798	0.78		14.21	0.29
1	40	PF 13	2.00	10.50	14.43	10.00	14.40	0.004030	0.10	0.00		0.2
1	32	PF 1	0.10	13.28	13.71	13.40	13.72	0.000274	0.12	0.84	2.70	0.07
1	32	PF 2	0.10	13.28	13.82	13.44	13.82	0.000474	0.18	1,13	2.99	
1	32	PF 3	0.30	13.28	13.90	13.47	13.90	0.000618	0.22	1.37	3,21	0.11
1	32	PF 4	0.40	13.28	13.96	13.50	13,97	0.000727	0.25	1.59	3.39	
1	32	PF 5	0.50	13.28	14.02	13.53	14.02	0.000822	0,28	1.80	3.59	0.13
1	32	PF.8	0.75	13.28	14.14	13.59	14.15	0.001013	0.33	2.27	4.12	0.14
1	32	PF 7	1.00	13.28	14.20	13.63	14.21	0.001360	0.40	2.53	4.47	0.17
1333	32	PF 8	1.25	13.28	14.25	13.68	14.26	0.001666	0.46	2.77	5.61	0.19
1	32	PF 9	1.50	13.28	14.29	13.72	14.31	0.001945	0.51	3.03	8,50	
1	32	PF 10	1,75	13.28	14.33	13.76	14.34	0,002170	0.58	3.38	14.33	
1	32	PF 11	2.00	13.28	14.36	13.79	14.38	0.002359	0.60	3.71	19.44	
	32	PF 12	2.25	13.28	14.39	13.83	14.41	0,002531	0.64	4.03	24.15 26.68	
1	32	PF 13	2.50	13.28	14.41	13.86	14.43	0.002067	0.87	4,33	20.58	0.22
1	24	PF 1	0.10	13.32	13.71	13.44	13.71	0.000598	0.16	0.64	2.53	0.10
1	24	PF 2	0.10	13.32	13.71	13.49	13.81	0.000911	0.10	0.92	2.97	0.13
1	24	PF3	0.30	13.32	13.89	13.53	13.89	0.001087	0.26	1.16	3.31	0.14
1	24	PF 4	0.40	13.32	13.95	13.56	13.96	0.001001	0.29	1.39	3.60	
1	24	PF 5	0.50	13.32	14.01	13.59	14.02	0.001259	0.31	1.60	3.84	0.15
1	24	PF 6	0.75	13.32	14.13	13.65	14.14	0.001338	0,36	2.10	4.25	
1	24	PF7	1.00	13.32	14.19	13,71	14.20	0.001740	0.43	2.34		
1 2000	24	PF 8	1.25	13.32	14.24	13.75	14.25	0.002160	0.49	2.55	5.04	
1	24	PF 9	1.50	13.32	14.27	13.80	14.29	0.002531	0.55	2.80	8.15	0.23
1	24	PF 10	1.75	13.32	14.31	13.83	14.32	0.002873	0.60		10.60	0.25
1	24	PF 11	2.00	13.32	14.33	13.87	14.35		0.65	3.41	13.45	0.26

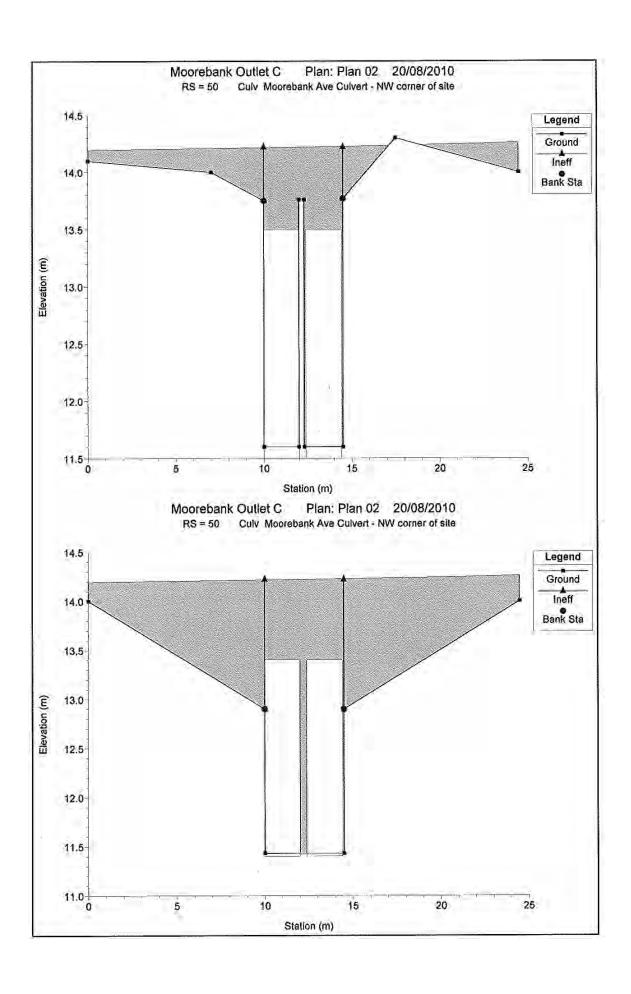
HEC-RAS Plan: B River: Outlet B Reach: 1 (Continued)

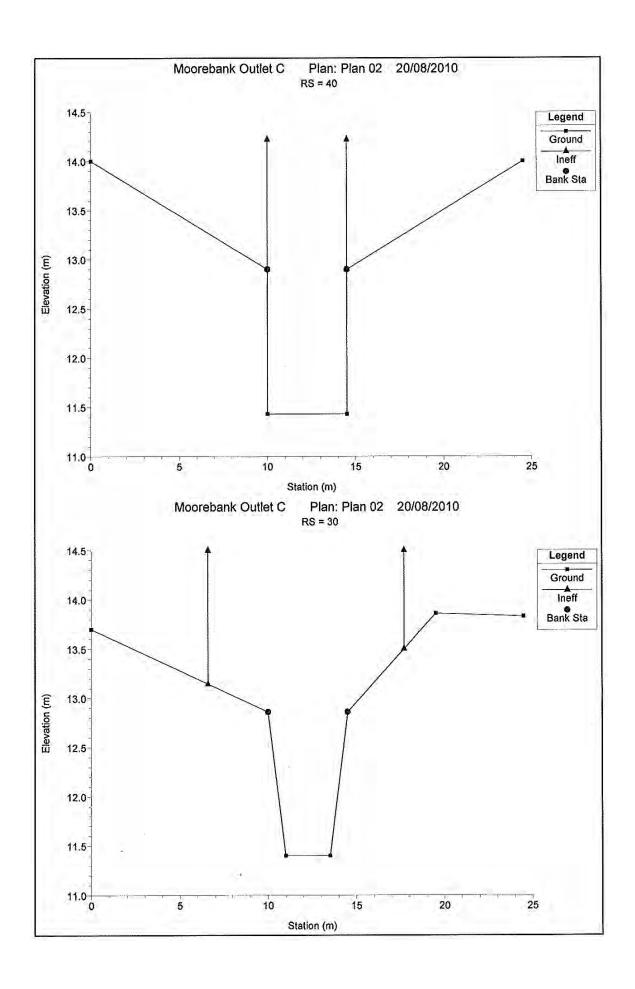
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chol	Flow Area	Top Width	Froude # Chi
	340000000000000000000000000000000000000	Melanada.	(m3/s)	(m)	(m)	(m)	(m)	(n/m)	(mVs)	(m2)	(m)	
	24	PF 12	2.25	13.32	14.36	13.90	14,38	0.003325	0.68	3.71	16.24	0.27
DESCRIPTION OF THE PROPERTY OF	24	PF 13	2,50	13.32	14.38	13.93	14.41	0.003481	0.72	4.01	18.87	0.28
1	16	PF 1	0.10	13.27	13.71		13.71	0.000504	0.15	0.68	2.58	0.09
	16	PF 2	0.20	13.27	13.80		13.81	0.000797	0.21	0.94	2.87	0.12
	16	PF 3	0.30	13.27	13,88		13.88	0.000984	0.26	1.17	3.11	0.13
	16	PF 4	0.40	13.27	13.94		13.95	0.001112	0.29	1.38	3.32	0.14
Service Control	16	PF 5	0.50	13.27	14.00		14.01	0.001208	0.32	1.57	3,51	0.15
	16	PF 6	0.75	13.27	14.12		14.13	0.001389	0.37	2.03	3.97	0.17
Never s	16	PF 7	1.00	13.27	14.18		14.19	0.001886	0.45	2.24	4.17	0.19
1000	16	PF 8	1.25	13.27	14.22	-	14.23	0.002426	0.52	2,41	4.32	0.22
	18	PF 9	1.50	13.27	14.25	7	14,27	0.002977	0.59	2.56	5.03	0.25
	16	PF 10	1.75	13.27	14.28		14.30	0.003530	0.65	2.72	6.88	0.27
	16	PF 11	2.00	13.27	14.30		14.33	0.004085	0.71	2.90	8,48	0.29
	16	PF 12	2.25	13.27	14.32		14.35	0.004607	0.77	3.10	9.96	0.31
	16	PF 13	2.60	13.27	14.34		14.38	0.005081	0.82	3,32	11,36	0,33
l i	8	PF 1	0.10	13.50	13.70		13.70	0.002695	0.28	0.39	2.34	0.20
6310000000	8	PF 2	0.20	13.50	13.79		13.80	0.002738	0.32	0.63	2.66	0.21
	8	PF.3	0.30	13.50	13.86	Autorous manufactor	13.87	0.002724	0.36	0.83	2.92	0.22
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18	PF4	0.40	13.50	13.93	P	13.94	0.002685	0.39	1.03	3.15	0.22
	8	PF 5	0,50	13.50	13.98		13.99	0.002648	0.41	1.21	3,34	0.22
(ESCENT	8	PF 6	0.75	13.50	14.10		14.11	0.002330	0.45	1.78	6.54	0.21
	8	PF7	1.00	13.50	14.15		14.17	0.002852	0.52	2.14	8.01	0.24
I SAN SEAS	8	PF 8	1.25	13.50	14.19		14.21	0.003392	0.59	2.45	9.09	0.26
	8	PF 9	1,50	13.50	14.22		14.24	0.003904	0,65	2.73	9.98	0.28
	8	PF 10	1.75	13.50	14.24		14.27	0.004451	0.71	2.98	10.69	0.30
usesies.	8	PF 11	2.00	13.50	14.26	4	14.29	0.005020	0.77	3.19	11.28	0.32
	8	PF 12	2.25	13,50	14.28		14.31	0,005555	0.82	3.40	11.83	0.34
	8	PF 13	2.50	13.50	14.30		14.33	0.006057	0.87	3.61	12.34	0.36
	0	PF 1	0.10	13.48	13.66	13.56	13.67	0.005001	0.33	0.31	1.91	0.26
	0	PF 2	0.20	13.48	13.76	13.60	13.77	0.005003	0.41	0,49	2,11	0.27
	0	PF 3	0.30	13.48	13.83	13.64	13.84	0.005002	0.46	0.65	2.27	0.27
	0	PF 4	0.40	13.48	13.89	13.67	13.91	0.005001	0.50	0.80	2.41	0.28
100	0	PF 5	0.50	13.48	13.95	13.70	13.96	0.005007	0.53	0,94	2.54	0.28
	0	PF 6	0.75	13.48	14.07	13.76	14.09	0.005006	0.55	1.58	11.09	0.29
100000000000000000000000000000000000000	0	PF 7	1.00	13.48	14.12	13.81	14.14	0.005003	0.59	2.22	15.38	0.29
	0	PF8	1.25	13.48	14.16	13.86	14.17	0,005007	0.61	2.83	18.52	0.29
	0	PF 9	1.50	13.48	14.19	13.90	14.20	0.005005	0.63	3.41	21.09	0.30
	0	PF 10	1.75	13.48	14.21	13.94	14.23	0.005002	0.65	3.92	22.24	0.30
	0	PF 11	2.00	13.48	14.23	13.98	14.25	0.005007	0.66	4.36	22.28	0.30
	0	PF 12	2 25	13.48	14.25	14.11	14.26	0.005005	0.67	4.77	22.33	0,30
	0	PF 13	2.50	13.48	14.27	14.13	14.28	0.005005	0.68	5.15	22,37	0.30

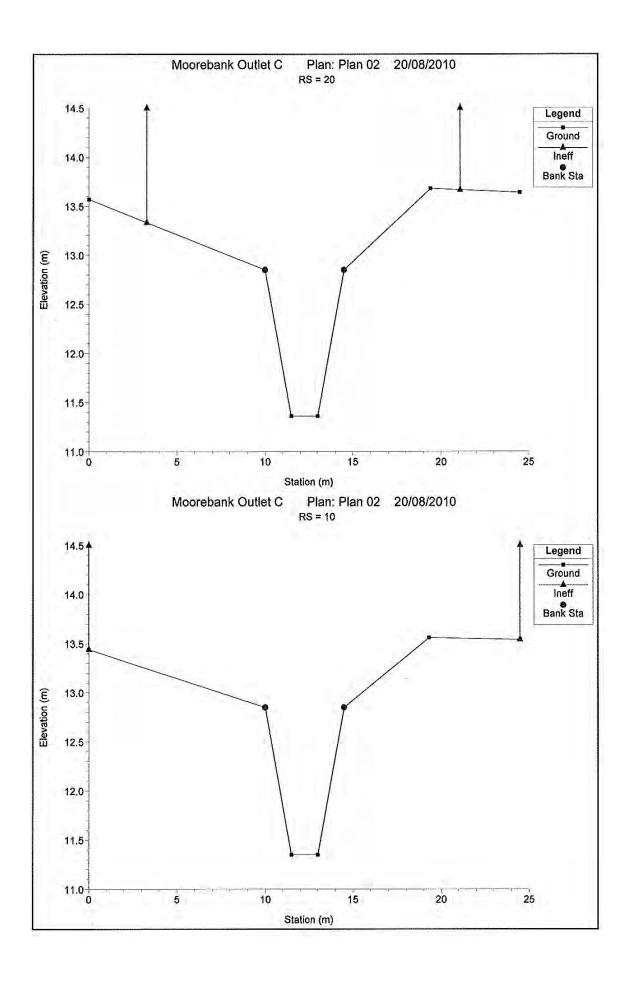
OUTLET C - HEC-RAS MODEL FILES

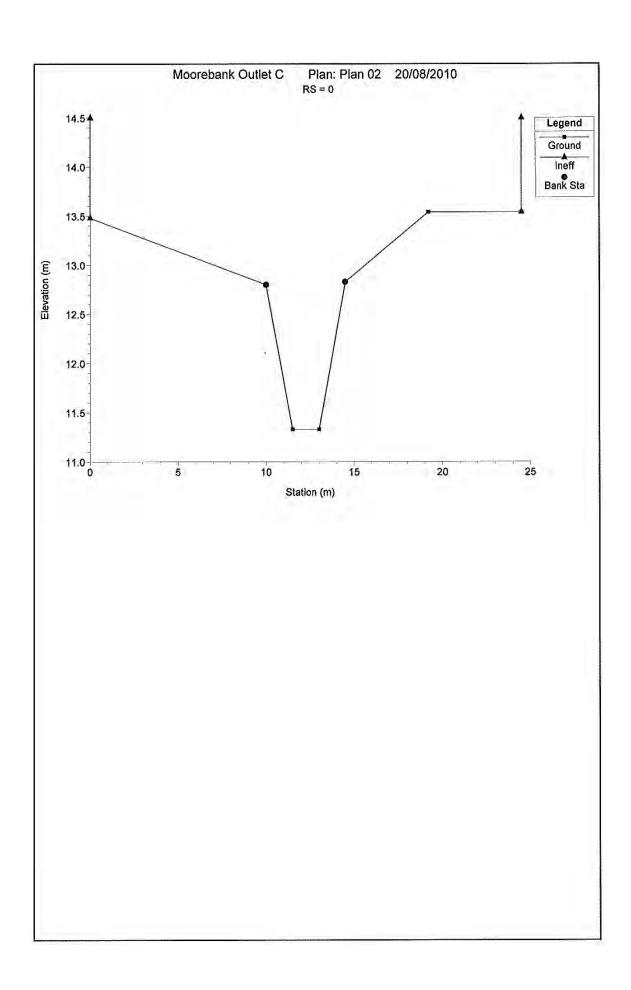


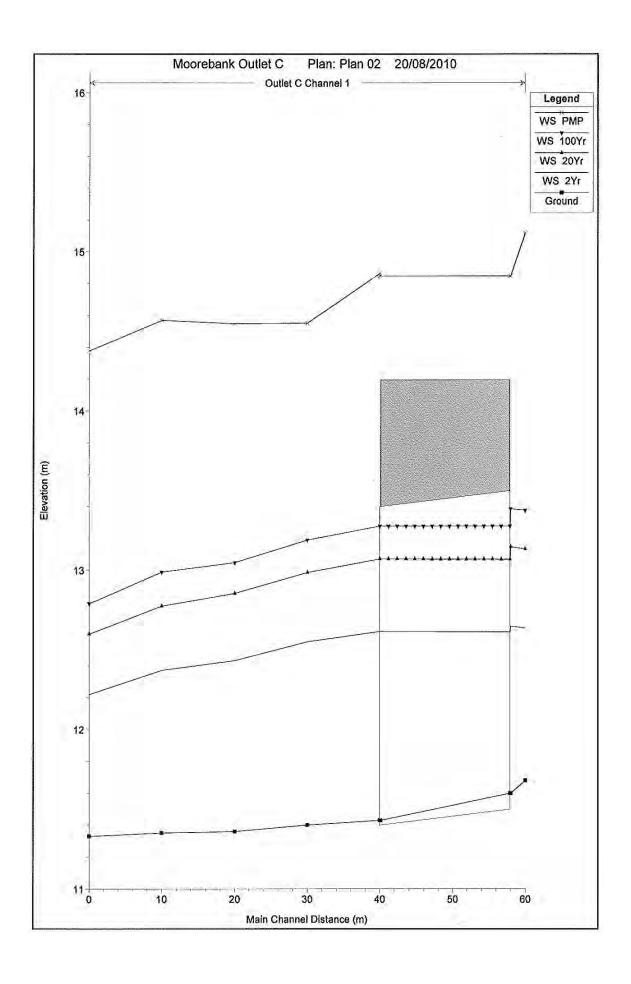












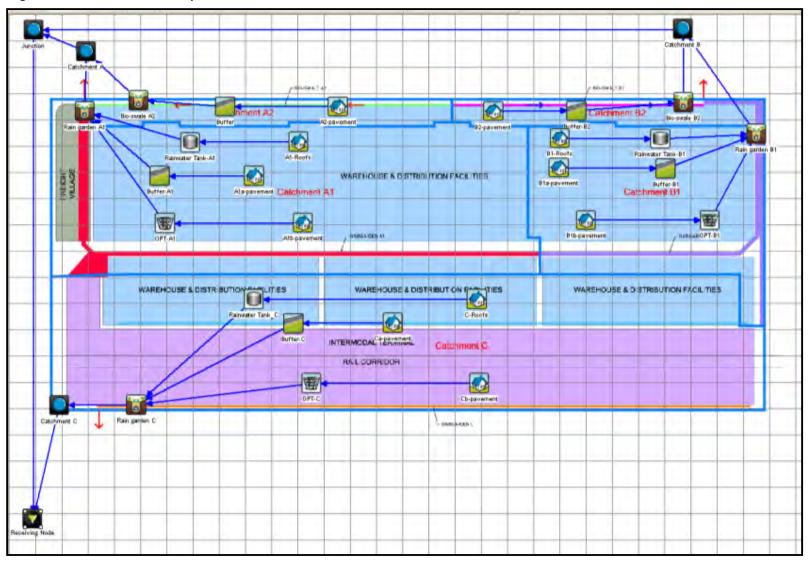
HEC-RAS Plan: T1	River. Outlet C	Channel	Reach: 1
Death Die	. CI.		W-4-5

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chni	Flow Area	Top Width	Froude # Chi
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	cologe light
	62	2Yr	5.40	11.68	12.64	12.25	12.74	0,001956	1.38	3.91	4.10	0.48
	62	20Yr	10.30	11.68	13.13	12.55	13,29	0.002372	1.73	5.94	4.10	0.46
	62	100Yr	13.40	11.68	13.38	12.71	13,56	0.002413	1.90	7.26	6.56	0.49
	62	PMP	71.00	11.68	15,12	14,76	15.49	0.002595	3.24	39.78	24.50	0.57
	60	2Yr	5.40	11.60	12.65	12.15	12.73	0.001419	1.23	4.41	4.20	0.38
	60	20Yr	10.30	11.60	13,15	12.44	13.28	0.001878	1.58	6.50	4.20	0.4
	60	100Yr	13.40	11.60	13.39	12.61	13.55	0.002215	1.79	7.50	4.20	0.4
	60	PMP	71.00	11.60	14.85	14.85	15.47	0.005678	3.92	29.80	24.50	0.7
	50		Culvert									
Assessed Assessed	40	2Yr	5.40	11.43	12.62	11.95	12.67	0.000573	1.01	5.34	4.50	0.30
	40	20Yr	10.30	11.43	13.07	12.24	13.17	0.000785	1.39	7.39	7.62	0.3
	40	100Yr	13,40	11.43	13.28	12.40	13,41	0.000895	1.61	8.32	11.37	0.3
	40	PMP	71.00	11.43	14.87	14.37	15.23	0.001523	3.18	43.76	24.50	0.5
E .	30	2Yr	5.40	11.40	12.55	12,13	12.65	0.001272	1,43	3.79	4.08	0.47
18090000	30	20Yr	10.30	11,40	12.99	12.48	13.15	0.001425	1.81	5.81	6.63	0.5
disk.	30	100Yr	13.40	11.40	13.19	12.67	13.39	0.001428	2.00	7.51	10.08	0.5
	30	PMP	71.00	11.40	14.55	14.50	15.19	0.002478	4.09	34.95	24.50	0.7
	20	241	5.40	11.36	12.43	12.25	12.63	0.002938	1.95	2.77	3.66	0.7
	20	20Yr	10.30	11.36	12.86	12.63	13.12	0.002896	2.29	4.50	4.62	0.7
Apple of the second	20	100Yr	13.40	11.36	13.05	12.82	13.36	0.002698	2.48	5.76	8.43	0.7
	20	PMP	71.00	11.38	14.55	14.50	15.15	0.002464	4.09	36.31	24.50	0,8
55,250 (S)	10	2Yr	5.40	11.35	12.37	12.24	12.60	0.003568	2.09	2.58	3.54	0.7
	10	20Yr	10.30	11.35	12.78	12.62	13.09	0.003553	2.47	4.17	4.35	0.80
	10	100Yr	13.40	11.35	12.99	12.81	13.33	0.003158	2.61	5.36	7.81	0.7
	10	PMP	71.00	11.35	14.67	14.39	15.11	0.002244	3.92	38.32	24.50	0,7
	0	2Yr	5.40	11.33	12.22	12.22	12,55	0.005941	2.52	2.14	3.30	1.0
364100107.5	0	20Yr	10.30	11.33	12.60	12.60	13.03	0.005548	2.91	3,54	4.07	1,0
	0	100Yr	13,40	11.33	12.79	12.79	13.27	0.005391	3.08	4,35	4.45	1.0
LEGIS	0	PMP	71.00	11.33	14.38	14.38	15.07	0.002995	4.36	33,92	24.50	0.8

Appendix C

Music model layout and parameters

Figure C1: MUSIC model layout





Rainfall

Six minute interval pluviograph data were used from the nearest BoM stations to the site. Pluviograph record from Liverpool (Whitlam Centre Station no. 067035) from 1 January 1967 through until 31 December 1976 was selected for the MUSIC modelling because this period had an average annual rainfall of 857 millimetres, which is closest to the average annual rainfall for the Wahroonga Estate.

Potential Evapotranspiration

Average potential evapotranspiration data for Sydney is used as shown below.

Table C1 - MUSIC Model Potential Evapotranspiration (PET) Data

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PET (mm)	181	137	135	90	60	45	46	61	90	131	153	165

Input parameters

The following input parameters were used based on DRAFT NSW Music Modelling Guidelines (Aug 2010):

Table C2 - MUSIC Model MUSIC Model Pollutant Load Parameters

	Storm Flow						Base Flow					
	To: Suspe Soli	nded	To: Phosp		Total Ni	trogen	To: Suspe Soli	nded	Tot Phosp		Total Nit	rogen
Land Use	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
				(all va	lues expre	ssed as lo	og ₁₀ mg/l)					
General Urban / Residential	2.15	0.32	-0.60	0.25	0.30	0.19	1.2	0.17	-0.85	0.19	0.11	0.12
Road	2.430	0.32	-0.30	0.25	0.34	0.19	1.2	0.17	-0.85	0.19	0.11	0.12
Roofs	1.30	0.32	-0.89	0.25	0.30	0.19	n/a	n/a	n/a	n/a	n/a	n/a

Note: SD = Standard Deviation

Table C3 - MUSIC Model Stormwater Treatment Parameters

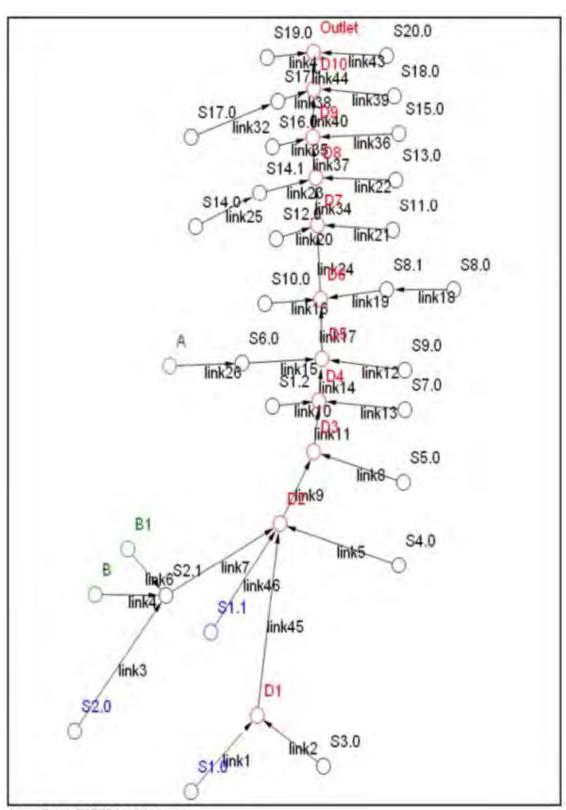
WSUD measure	Key parameter values
Gross Pollutant Traps (GPT)	GPTs are assumed to be non-vortex-type GPT TSS – 0% reduction TN – 0% reduction TP – 0% reduction
Bio-retention systems	Extended detention depth = variable (0.2-0.3 m). Filter depth = 0.4 m. Saturated hydraulic conductivity = variable depending on available gradient. (32-180 mm/hr) TN content of filter media = 700 mg/kg Proportion of organic material in filter > 5% Orthophosphate content of filter media < 55 mg/kg Vegetation with effective nutrient removal plants. Submerged zone = 250 mm

Table C4 - MUSIC Model Rainfall-Runoff Parameters

_	Units	Urban	Road	Roofs
Impervious Area Parameters				
Rainfall Threshold	mm/day	1.0	1.0	1.0
Previous Area Parameters				
Soil Storage Capacity	mm	80	80	80
Initial Storage	% of capacity	30	30	30
Field Capacity	mm	50	50	50
Infiltration Capacity Coefficient - a		200	200	200
Infiltration Capacity Coefficient – b		1.0	1.0	1.0
Groundwater Properties				
Initial Depth	mm	10	10	10
Daily Recharge Rate	%	25	25	25
Daily Baseflow Rate	%	5.0	5.0	5.0
Daily Deep Seepage Rate		0.0	0.0	0.0

Anzac Creek RAFTS model inputs and outputs – existing and proposed conditions





Anzac Creek RAFTS Model Layout

Run started at: 6th September 2010 10:21:30

		BULTS
################# #####	+##########################	******************************
Max. no. of links	s allowed = 1500	
Max. no. of rout	ng increments allowed =	250000
Max. no. of ratin	ng curve points = 250000	
Max. no. of storr	n temporal points = 2500	000
Max. no. of chann	nel subreaches = 25	
Max link stack le	evel = 50	
Input Version nur	mber = 800	
LINK S1.0	1.000	
ESTIMATED VOLUME ESTIMATED PEAK F ESTIMATED TIME	E (CU METRES*10**3) = FLOW (CUMECS) = TO PEAK (MINS) =	51.09 5.6 26.00
LINK S3.0	1.000	
ESTIMATED VOLUME ESTIMATED PEAK F ESTIMATED TIME	E (CU METRES*10**3) = FLOW (CUMECS) = FO PEAK (MINS) =	5.074 4.0 15.00
LINK D1	1.000	
ESTIMATED VOLUME ESTIMATED PEAK E ESTIMATED TIME		56.14 7.0 30.00
LINK S2.0	1,000	
ESTIMATED VOLUME ESTIMATED PEAK F ESTIMATED TIME	E (CU METRES*10**3) = FLOW (CUMECS) = FO PEAK (MINS) =	6.864 0.43 26.00
LINK B	1.000	
ESTIMATED VOLUME ESTIMATED PEAK F ESTIMATED TIME	E (CU METRES*10**3) = FLOW (CUMECS) = FO PEAK (MINS) =	8.645 5.1 15.00
LINK B1	1.000	
ESTIMATED VOLUME ESTIMATED PEAK F ESTIMATED TIME	E (CU METRES*10**3) = FLOW (CUMECS) = FO PEAK (MINS) =	0.2985 0.61E-01 26.00
LINK S2.1	1.000	

ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	(CUMECS) = (MINS) =	28.81 6.8 15.00
LINK 54.0 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	7.539 5.9 15.00
LINK S1.1 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	7.297 0.46 26.00
LINK D2 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	99.76 15. 15.00
LINK S5.0 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	4.771 3.8 15.00
1 TNIZ D2 1	000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	104.4 16. 22.00
LINK S1.2 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	11.55 1.1 26.00
LINK S7.0 1	.000	
	RES*10**3) = (CUMECS) = (MINS) =	53.08 41. 15.00
LINK D4 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) =	169.0 53. 16.00
LINK S9.0 1	.000	
ESTIMATED VOLUME (CU METI ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	RES*10**3) = (CUMECS) = (MINS) =	2.970 2.4 15.00
LINK A 1	.000	
ESTIMATED VOLUME (CU METI		10.27
ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	(CUMECS) = (MINS) =	8.0 15.00
LINK \$6.0 1	.000	
ESTIMATED VOLUME (CU METI	RES*10**3) =	18.38
ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	(CUMECS) = (MINS) =	$\begin{array}{c} 9.1 \\ 15.00 \end{array}$

LINK D5 1.000

CTIME DO		
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	190.3 59. 18.00
LINK S10.0	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	3.482 0.42 26.00
LINK S8.0	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	16.26 13. 15.00
LTNK 58.1	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	20.02 16. 15.00
LINK D6	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	213.7 72. 20.00
LINK 512.0	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	10.58 8.3 15.00
LTNK S11.0	1.000	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	ETRES*10**3) = (CUMECS) = (MINS) =	5.460 4.3 15.00
LINK D7		
LINK D7	1.000	
LINK D7	1.000 ETRES*10**3) = (CUMECS) = (MINS) =	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	1.000 ETRES*10**3) = (CUMECS) = (MINS) = 1.000 ETRES*10**3) = (CUMECS) =	
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S13.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW	1.000 ETRES*10**3) = (CUMECS) = (MINS) = 1.000 ETRES*10**3) = (CUMECS) =	229.5 76. 26.00 33.99 27.
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S13.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK	1.000 ETRES*10**3) =	229.5 76. 26.00 33.99 27.
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S13.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S14.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED PEAK FLOW ESTIMATED PEAK FLOW	1.000 ETRES*10**3) =	229.5 76. 26.00 33.99 27. 15.00
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S13.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S14.0 ESTIMATED VOLUME (CU M ESTIMATED VOLUME (CU M ESTIMATED TIME TO PEAK FLOW ESTIMATED TIME TO PEAK	1.000 ETRES*10**3) =	229.5 76. 26.00 33.99 27. 15.00
ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S13.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S14.0 ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED TIME TO PEAK LINK S14.1 ESTIMATED VOLUME (CU M ESTIMATED VOLUME (CU M ESTIMATED PEAK FLOW ESTIMATED PEAK FLOW ESTIMATED PEAK FLOW	1.000 ETRES*10**3) =	229.5 76. 26.00 33.99 27. 15.00 1.790 2.0 14.00