

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Cnt W.S.	E.G. Elav	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Ch
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Atelto	51.76 51.76	PF 1 PF 2	0.10	13.22	13.30 13.34	13.30	13.34	0.022426	0.78	0.13	2.06	1.0
outletA	51.76	PF 3	0.30	13.22	13.37	13,37	13.43	0.018971	1.08	0.28	2.51	- 1.6
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	0.60	13.22	13.44		13.50	0.011802	1.05	0.48	2.97	0,8
OutletA OutletA	51.76 51.76	PF 6 PF 7	0.60	13.22	13.50	-	13.54	0.006543	0.90	0.67	3.37	0.0
outletA	51.76	PF 8	0.80	13.22	13.63		13.66	0.002550	0.69	1.18	4.34	0.4
OutletA	51.76	PF 9	0.90	13.22	13.70	0.00.0001.00000000000000000000000000000	13.72	0.001659	0.60	1.54	7.43	0.3
JutletA	51,76	PF 10	1.00	13.22	13.78		13.80	0.001009	0.51	2.41	16.20	0.1
outietA OutletA	51.76 51.76	PF 11 PF 12	1,10	13.22	13.87		13.87	0.000528	0.39	4.21	23.92	0:
outetA	51.76	PF 13	1.20	13.22	13.96		13.96	0.000274	0.33	6.75	33.65	0. 0.
utietA	51.78	PF 14	1.40	13,22	13.97		13.98	0.000271	0.33	7.32	36.46	0,
outletA	51.76	PF 15	1.50	13.22	13.98		13.99	0.000284	0.34	7.65	37,36	0.
outletA	51.76	PF 16	2.00	13.22	14.01	-	14.01	0.000401	0.42	8.60 8.60	40.00	0.
hutielA	51.76 51.76	PF 17 PF 18	2.50	13.22	14.01		14.01	0.000485	0.42	9.63	40.00	0.
NutletA	51.76	PF 19	3.00	13.22	14.05		14.06	0.000626	0.55	10.16	40.00	0.5
hutietA	51.76	PF 20	3.50	13.22	14.07		14.09	0.000678	0.59	11,21	40.00	0.3
hutietA	51.76	PF 21	4.00	13.22	14.09		14.10	0.000786	0.65	11.77	40.00	0.1
hutielA hutielA	51.76 51.76	PF 22 PF 23	4.50	13.22	14.10 14.11		14.12	0.000886	0.70	12.34	40.00	0.: 0.:
hutietA	51.76	PF 24	5.50	13.22	14.13		14.15	0.001097	0,80	13.29	40.00	0,
kutietA	51.76	PF 25	6.00	13,22	14,14	-	14.18	0.001158	0.84	13.92	40,00	Ø.
Aleitu	51,78	PF 26	6,50	13.22	14.15		14.17	0.001285	0.89	14.22	40.00	0.
AutietA	51.76	PF 27	7.00	13.22	14.16	-	14.19	0.001334	0.92	14.84 15.17	40.00	0.
utielA JutielA	51.76 51.76	PF 28 PF 29	7.50	13.22	14.17 14.18		14.20	0.001574	1.01	15.41	40.00	0.
utletA	51.76	PF 30	8.50	13.22	14.19	-	14.22	0.001635	1.04	15.90	40.00	0,
Ateltu	51.76	PF 31	9.00	13.22	14.19		14.23	0.001776	1.09	16.08	40,00	Û.
hutietA	51.76	PF 32	9,50	13.22	14.22		14.25	0.001683	1.09	17.06	40.00	0.
nutietA	51.76	PF 33	10.00	13.22	14.22		14.26	0.001859	1.14	17.08	40.00	0,
outletA	46.84	PF 1	0,10	13.05	13 26	13.15	13.27	0.000686	0.25	0.40	2.54	0;
AutietA	46.84	PF2	0.20	13.05	13.32	13.18	13.32 13.37	0.001123	0.37	0.54	2.75	0. 0.
utletA IutletA	46.84	PF 3 PF 4	0.30	13.05	13.36	13.21	13.42	0.001345	0.44	0.81	3.10	0.
utletA	46.84	PF 5	0.50	13.05	13.45	13.26	13.47	0.001398	0.53	0.95	3.28	0,:
AutletA	48.84	PF 6	0.60	13.05	13.51	13.28	13.52	0.001211	0.53	1.14	3.50	Û.
outletA	46.84	PF 7	0,70	13.05	13.57	13.31	13.58	0.001010	0.52	1.35	3.73	0.
utletA	46.84	PF 8	0.80	13.05	13.63	13.32	13.65	0.000817	0.50	1.61	3.99 5,11	0;
utletA JutletA	46.84	PF 9 PF 10	0.90	13.05	13.70	13.34	13.71 13.79	0.000623	0.47	1.93	12.57	0.
Atelu	46.84	PF 11	1.10	13.05	13.86	13.38	13.87	0.000294	0.39	4.41	28.09	0,
utletA	46.84	PF 12	1.20	13.05	13,93	13.39	13.94	0.000203	0.35	6,18	27,58	0.
ulletA	46.84	PF 13	1.30	13.05	13.96	13.41	13.96	0.000194	0.35	6.90	28.60	0,
IutletA	46.84	PF 14	1.40	13.05	13.97	13.42	13.98 13.99	0.000201	0.36	7.37	30.42 32.16	0.
utletA	46.84	PF 15 PF 16	1.50	13.05	13,98	13.50	14.01	0.000327	0.30	8.41	35.32	0.
Atellu	46.84	PF 17	2.00	13.05	14.00	13.50	14.01	0.000327	0.47	8.41	35.32	0.
Atela	46.84	PF 18	2.50	13.05	14.03	13.56	14.04	0.000424	0.55	9.36	38,88	Ô.
utletA	46.84	PF 19	3,00	13.05	14.04	13.61	14.05	0.000568	0.64	9.73	39.82	0.
utletA utletA	46.84 46.84	PF 20 PF 21	3.50	13.05	14.06	13.66	14.08 14.10	0.000637	0.69	10.73	40.00	0.
utletA	46.84	PF 22	4,50	13.05	14.09	13.75	14.11	0.000878	0.83	11.70	40.00	0.
Ateliu	46.84	PF 23	5.00	13.05	14.09	13.88	14.12	0.001027	0.90	11.99	40.00	0,
Ateltu	46.84	PF 24	5.50	13.05	14.11	13.90	14.14	0.001140	0.96	12.47	40.00	0.
utletA	46.84	PF 25	6.00 6.50	13.05	14.12	13.92 13.94	14.15	0.001225	1.00	13.05 13.23	40.00	0.
utletA utletA	46.84 46.84	PF 26 PF 27	7.00	13.05 13.05	14.13 14.14	13.94	14.16 14.18	0.001393	1.07	13.23	40.00	0. 0.
ulletA	46.84	PF 28	7,50	13.05	14.15	13.96	14.19	0.001621	1.18	14.01	40.00	0.
utietA	46.84	PF 29	8.00	13.05	14.15	13,99	14.20	0.001818	1.25	14.10	40.00	0.
utletA	46.84	PF 30	8.50	13.05	14,16	14.02	14.21	0.001915	1.29	14,51	40.00	0.
utietA utietA	46.84	PF 31 PF 32	9,00	13.05 13.05	14.16	14.03 14.06	14.22	0.002150	1.37	14.50	40.00 40.00	0. 0.
hutletA	46.84	PF 33	10,00	13.05	14.18	14.07	14.24	0.002290	1.43	15.41	40.00	0.
utietA	40		Cuivert									
				30.12	10.00		10.00	0.004007	0.00	0.00	3,40	0.
utietA utietA	32	PF 1 PF 2	0.10	13.10 13.10	13.26		13.26	0.001387	0.28	0.36	3.40	0.
utietA	32	PF 3	0,30	13.10	13.34		13.35	0.001012	0.46	C. C	4.06	0.
utietA	32	PF 4	0.40	13.10	13.36		13.38	0.002553	0.53	0.76	4.28	0.
ulielA	32	PF 5	0.50	13.10	13,38	and the second se	13.40	0.002836	0,58	0.86	4.47	0.
utletA	32	PF 6	0.60	13.10	13.40		13.42	0.003067	0.63	0.95	4.64	0.
utietA	32	PF 7 PF 8	0.70	13.10 13.10	13.42		13.45 13.46	0.003296	0.68	1.03	4.79 4.93	0.
utietA	32	PF 9	0.80	13.10	13,49	1	13.46	0.003497	0.72	contract and sharehold an animal second	4.93	0.
NileiA	32	PF 10	1.00	13.10	13.47		13.50	0.003880	0.80		5.17	0,
utielA	32	PF 11	1.10	13.10	13.48		13.51	0.004061	0.83	1.32	5.28	0.
utietA	32	PF 12	1.20	13.10	13.49		13.53	0.004225	0.87	1.38	5.38	Ô.

Reach	River Sta	Profile	Q Tolei (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Eley (m)	E.G. Slope (m/m)	Vel Chni (m/s)	Flow Area (m2)	Top Width (m)	Froude # Ch
OutletA	32	PF 14	1.40	13.10	13.51		13.58	0.004542	0.93	1.51	5.57	0.5
DutletA	32	PF 15	1,50	13.10	13.52		13.57	0.004894	0.96	1.58	5.68	0.6
DutletA	32	PF 16	2.00	13.10	13.57		13.63	0.005395	1.09	1.83	6.05	0.6
DutietA	32	PF 17	2.00	13.10	13.57		13.63	0.005395	1.09	1.83	6.05	0.6
DutletA	32	PF 18	2.50	13.10	13.61		13.68	0.006038	1.21	2.07	6.37	0.0
OutletA	32	PF 19	3.00	13.10	13.64		13.73	0.006844	1.32	2.28	6.65	0.1
OutletA	32	PF 20	3,50	13.10	13,67		13.77	0.007223	1.41	2,48	6,89	0.
DutietA	32	PF 21	4.00	13.10	13.69	10.00	13.81	0.007787	1.51	2.65	7.18	0.
OutletA DutletA	32	PF 22 PF 23	4,50	13.10 13.10	13.72	13.66	13.85 13.88	0,008238	1.60	2.83	9,11 10,63	0,1
OutletA	32	PF 23	5.00	13.10	13.74	13.00	13.00	0.009251	1.09	3.03	11.98	0.
OutletA	32	PF 25	6.00	13.10	13.75	13.72	13.91	0.010101	1.76	3.22	13.20	0.
DutletA	32	PF 26	6.50	13.10	13.79	13.79	13.98	0.010158	1.93	3.68	14.80	0.1
DutletA	32	PF 27	7.00	13,10	13.82	13.82	14.00	0.009358	1.92	4.18	17.69	0.1
DutletA	32	PF 28	7.50	13.10	13.87	13.87	14.03	0.007605	1.82	5.28	24.00	0.I
OutletA	32	PF 29	8.00	13.10	13.89	13.89	14.05	0.007359	1.83	5.78	25.55	0.4
DutletA	32	PF 30	8.50	13.10	13.90	13.90	14.06	0.007291	1.86	6.20	26.78	C.
JulietA	32	PF 31	9.00	13.10	13.92	13.92	14.08	0.007134	1.68	6.67	27.93	0.4
OutletA	32	PF 32	9.50	13.10	13.93	13.93	14.10	0.007078	1.90	7.10	28.93	0.0
OutletA	32	PF 33	10.00	13.10	13.95	13.95	14.12	0.006831	1.91	7.64	30.40	0.
1.00		Contraction of										
DutletA	24	PF 1	0.10	13.12	13.25	i daničena na stanoja na s	13.25	0.000748	0.20	0.51	5.08	0.3
AielluC	24	PF 2	0.20	13.12	13.30		13.30	0.000992	0.27	0.74	5.74	0.3
OutletA	24	PF 3	0.30	13.12	13.33		13,33	0.001168	0,32	0.93	6.22	0.3
AtelluC	24	PF 4	0.40	13.12	13.35		13.36	0.001307	0.38	1.10	6.61	0.5
OutletA	24	PF 5	0.50	13.12	13.38		13,38	0.001432	0.40	1,25	6.94	0.3
DutletA	24	PF 6	0.60	13.12	13.40		13.40	0.001524	0.43	1.39	7.24	<b>D</b> .:
OutletA	24	PF7	0.70	13.12	13.41		13.42	0.001616	0.46	1.52	7.50	- 0.
DutletA	24	PF 8	0.80	13.12	13.43		13.44	0.001692	0.49	1,65	7.75	0.
QuiletA	24	PF 9	0.90	13.12	13.44		13.48	0.001762	0.51	1.76	7.98	0.3
DutletA	24	PF 10	1.00	13.12	13,46		13.47	0.001825	0.53	1.88	8.20	0.3
DutletA	24	PF 11	1.10	13.12	13.47		13.49	0.001887	0.55	1.99	8.40	0.:
DullelA	24	PF 12	1.20	13.12	13.48	-	13.50	0.001941	0.57	2.10	8.59	0.3
DutletA	24	PF 13	1.30	13.12	13,50		13,51	0.001992	0.59	2.20	8,77	0.0
DutietA	24	PF 14	1.40	13.12	13.51		13.53	0.002041	0.61	2.30	8.94	0.3
DutletA	24	PF 15	1.50	13.12	13.52		13.54	0.002086	0.62	2.40	9.11	0.3
DutletA	24	PF 16	2.00	13.12	13.57		13.59	0.002282	0.70	2.87	9,85	0.4
DutletA	24	PF 17	2.00	13.12	13.57	· · · · · · · · · · · · · · · · · · ·	13.59	0.002282	0.70	2.87	9.85	0.4
DutletA	24	PF 18	2.50	13,12	13.61		13.64	0.002440	0.76	3.30	10.48	0.4
DutletA	24	PF 19	3.00	13.12	13.65	_	13.68	0.002572	0.81	3.70	11.04	0.4
DutletA	24	PF 20	3.50	13.12	13.68		13.72	0.002685	0.86	4.08	11.55	0.4
OutletA	24	PF 21	4.00	13.12	13.71	****	13.75	0.002787	0.90	4.44	12.01	0.4
AtelhuC	24	PF 22	4.50	13.12	13.74		13.79	0.002874	0.94	4.78	12.44	0.4
DutletA	24	PF 23	5.00	13.12	13,77		13.61	0.002959	0.98	5.11	12.83	0.4
DutletA	24	PF 24	5.50	13.12	13.79		13.84	0.002963	1.01	5.44	14.85	0.8
DutletA DutletA	24 24	PF 25	6.00 6.50	13.12	13.81		13.87	0.002969	1.05	5.80	17.93 20.64	0.0
DutietA	24	PF 26 PF 27	7.00	13.12 13.12	13.83 13.85		13.69	0.002977	1.08	6.21 6.63	20.64	0.6
DutletA	24	PF 28	7.50	13.12	13.87			0.002907	£1	7.05	Antenino and a destant and a second	0.0
DutietA	24	PF 20	8.00	13.12	13.87		13.94 13.96	and the second s	1.15	7.05	24.75	0.6
DutietA	24	PF 30	8.50	13.12	13.90		13.98	0.003066	1.16	7.90	26.70 28.41	0.0
DutletA	24	PF 31	9.00	13.12	13.92		13.99	0.003141	1.25		30.23	0.5
DutletA	24	PF 32	9,50	13.12	13.93		14.01	0.003174	1.27	8.34	32.07	0.0
DutietA	24	PF 33	10.00	13.12	13.95	ana	14.03	0.003176	1.30	9.27	32.67	0.1
		11.00	10.00	10.12	10.00		14.00	0.000110	1.00	5.21	02.07	
DutletA	16	PF 1	0.10	13.10	13.24		13.24	0.002352	0.29	0.35	4.72	0.3
DutletA	16	PF 2	0.20	13.10	13.28		13.29	0.002448	0.36	0.56	5.50	0.;
JutletA	16	PF 3	0.30	13.10	13.31		13.32	0.002570	0.41	0.73	6.07	0.3
DutietA	16	PF 4	0.40	13.10	13.33		13.35	0.002677	0,45	0.88	6.54	0.3
DutletA	16	PF 5	0.50	13.10	13.36		13.37	0.002791	0.49	1.02	6.93	0.4
JulletA	16	PF 6	0.60	13.10	13,37		13.39	0.002834	0.52	1.18	7.30	0.4
DutletA	16	PF 7	0.70	13.10	13.39		13.41	0.002907	0.55	1.28	7.62	0.4
JulletA	16	PF.8	0.80	13.10	13.41		13.42	0.002947	0.57	1.40	7.93	0.
DutletA	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	0.003018	0.61	1.64	8.48	Ô.•
DutletA	18	PF 11	1.10	13.10	13.45		13.47	0.003060	0.63	1.75	8.72	0.
DutletA	18	PF 12	1,20	13.10	13.46		13.48	0.003082	0.65	1.86	8.96	0.
DutletA	16	PF 13	1.30	13.10	13,47		13.49	0.003107	0.66	1.96	9.18	0,0
DutietA	16	PF 14	1.40	13.10	13.48		13.51	0.003130	0,68	2.07	9.40	Q.4
utielA	18	PF 15	1,50	13.10	13.49	1	13.52	0.003150	0.69	2.17	9.61	0.4
outletA	16	PF 16	2.00	13.10	13.54		13.57	0.003228	0.75	2.65	10.54	0.4
utietA	16	PF 17	2.00	13.10	13.54		13.57	0.003228	0.75	2 65	10.54	0.4
DutletA	16	PF 18	2.50	13.10	13.58		13.62	0.003281	0.80	3.11	11.34	0.4
OutletA	16	PF 19	3.00	13.10	13.62		13.66	0.003317	0.85	3.54	12.05	0.4
AutietA	16	PF 20	3.50	13.10	13,65	-	13.69	0.003338	0.88	3,96	12.70	0.4
hutletA	16	PF 21	4.00	13.10	13.69		13.73	0.003360	0.92	4.36	13.30	0.4
DutietA	16	PF 22	4.50	13.10	13.71	and the second	13.76	0,003369	0.95	4.76	14.57	0.(
JutletA	18	PF 23	5.00	13.10	13,74		13.79	0.003377	0.97	5.21	19.08	0.(
outletA	16	PF 24	5.50	13,10	13.77		13.82	0.003319	1.00	5.75	23.46	0.0
utletA	16	PF 25	6.00	13.10	13.79		13.84	0.003287	1.02	6.34	27.44	0.0
outletA	16	PF 26	6.50	13.10	13.81		13.87	0.003189	1.03	6.98	28,30	0.6
JutietA	16	PF 27	7.00	13.10	13,83		13.89	0.003116	1.04	7.60	28.56	0.1
outletA	16	PF 28	7.50	13.10	13.85		13.91	0.003029	1.06	8.21	32.90	0.1

Reach	River Sla	Profile	ch: OutletA (Co Q Total	Min Ch El	W.S. Eley	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chni	Flow Area	Top Width	Froude # Chi
		1.100	(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	The second second
DutletA	16	PF 29	8.00	13.10	13.87	(19	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
OutietA	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
							-911-0200 3-0120 (million on the second	0.0 - 101 (300 101) STORE			a strange of the second	
OutletA	8	PF 1	0.10	13.08	13.20	+	13.21	0.006915	0.44	0.23	3.59	0.56
OutletA	8	PF 2	0.20	13.08	13.24		13.26	0.006727	0.52	0.38	4.54	0.58
OutletA	8	PF 3	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
OutletA	8	PF 8	0.60	13.08	13.33		13.35	0.006672	0.72	0.83	6.08	0.62
OutletA	8	PF 7	0.70	13.08	13.34		13.37	0.006881	0.76	0.92	6.34	0.64
OutletA	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
AteltuO	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	0.88	1.27	7.29	0,68
OutletA	8	PF 12	1.20	13.08	13.40	1	13.44	0.006852	0.88	1.38	7.50	0.66
OutletA	8	PF 13	1.30	13.08	13.42		13.48	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	0.006846	0.94	1.60	8.07	0.67
OutletA	8	PF 16	2.00	13.08	13.48	0.10101()/1010100000	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	8	PF 19	3.00	13.08	13.56		13.62	0.006652	1.11	2.70	10.25	0.69
OutletA	8	PF 20	3.50	13.08	13.59		13.66	0.006594	1.15	3,03	10.82	0.70
OutletA	8	PF 21	4.00	13.08	13.62		13.69	0.006526	1.19	3.36	11.38	0.70
OutletA	8	PF 22	4,50	13.08	13.64		13.72	0.006453	1.22	3.68	11.87	0.70
OutietA	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	10.05	13.80	0.006228	1.31	4.64	19.13 21.57	0.70
OutletA	8	PF 26	7.00	13.08	13.74	13.65 13.66	13.83 13.85	0.006048	1.33 1.34	5.09	24.07	0.69
OutletA OutletA	8	PF 27 PF 28	7.50	13.08 13.08	13.78	13.68	13.87	0.005635	1.34	6.13	26.36	0.68
OutletA	8	PF 29	8.00	13.08	13.80	13.66	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
Atelho	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	8.66	28,69	0.65
OULOU	1	11.00	10.00	10.00	10.07	10.70	10.07	0.004140	1.00	0.00		
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	13.18	13.20	0.020008	0.90	0.33	4.00	0.99
OutletA	0	PF4	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	1.05
OutletA	0	PF 8	0.80	12.99	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	0.63	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
OulletA	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	13.45	0.015703	1.41	1.42	7.24	1.01
OutietA	0	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	13.50	0.015184	1.48	1.69	7.82	1.01
OutietA	0	PF 19	3.00	12.99	13.42	13.42	13.54	0.014784	1.54	1.95	8.34	1.01
OutletA	0	PF 20	3.50	12.99	13.45	13.45	13.57	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
DutletA	0	PF 22	4.50	12.99	13.50	13.50	13.64	0.013979	1.67	2.69	9.65	1.01
OutletA	0	PF 23	5.00	12.99	13.52	13.62	13.67	0.013736	1.71	2.92	10.03	1.01
AteltuC	0	PF 24	5.50	12.99	13.54	13.54	13.70	0.013547	1.74	3.15	10,39	1.01
OutietA	0	PF 25	6.00	12.99	13.57	13.57	13.73	0.013380	1.78	3.38	10.73	1.01
OutletA	0	PF 26	6.50	12.99	13.59	13.59	13.75	0.013267	1.81	3.59	11.05	1.01
OutletA	0	PF 27	7.00	12.99	13.60	13.60	13.78	0.013294	1.84	3,79	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	1.01
Atelluc	0	PF 29	8.00	12.99	13.65	13.65	13.82	0.012257	1.86	4.33	15.54	0.99
OutletA	0	PF 30	8,50	12.99	13.87	13.67	13.84	0.011594	1.87	4.68	17.13 18.04	0.97
	0	PF 31	9,00	12.99	13.68	13.68	13.86	0.011279	1.88	4.98	10.04	
OutletA DutletA	0	PF 32	9.50	12.99	13.70	13.70	13.88	0.011180	1.91	5.25	18.74	0.96

## OUTLET A PROPOSED - HEC-RAS MODEL FILES







Reach	River Sta	River: 1 Read 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 # Ch
utielA	51.76	PF 1	(m3/s) 0.10	(m)	(m) 13.30	(m) 12 20	(m)	(m/m) 0.022428	(m/s) 0.78	(m2) 0,13	(m) 2.06	1.)
JUSIA	51.76 51.78	PF 1 PF 2	0.10	13.22	13.30	13.30	13.34	0.019839	0.76	0,13	2.00	1.
JielA	51.76	PF 3	0.30	13.22	13.37	13.37	13.43	0.018971	1.06	0.28	2.51	1.
Aleta	51.76	PF 4	0.40	13.22	13.40	13.40	13.47	0.018102	1.14	0.35	2,68	1,
JuletA	51.76	PF 5	0.50	13.22	13.42	13.42	13.50	0.017140	1.20	0.42	2.84	1.
lletA	51.76	PF 6	0.60	13.22	13.44	13.44	13.52	0.016812	1.26	0,48	2,98	1.
Alettu	51.76	PF 7	0.70	13.22	13.46	13.46	13.55	0.016612	1.31	0,53	3,10	1,
Aletta	51.76	PF 8	0.80	13.22	13.48	13.48	13.57	0.016226	1.35	0.59	3.22	*
Alellu	51.76	PF 9	0.90	13.22	13.50	13.50	13.60	0.016001	1.39	0.65	3.33	1. 1.)
utietA utietA	51.76 51.76	PF 10 PF 11	1.00	13.22	13.51 13.53	13.51 13.53	13.62 13.64	0.015670	1.42	0,70	3.44	1
Aleltu	51.76	PF 12	1.20	13.22	13.54	13.54	13.66	0.015348	1,49	0.81	3.64	1.
utietA	51,76	PF 13	1.30	13.22	13.56	13.56	13.67	0.014982	1.51	0.85	3.74	1.1
Aleth	51.76	PF 14	1.40	13.22	13.57	13.57	13.69	0.015029	1.54	0.91	3.82	1,
Ateltu	51.76	PF 15	1.50	13.22	13.59	13.59	13.71	0.014656	1.56	0.96	3.92	1.1
Atelh	51.76	PF 16	1.60	13.22	13.60	13.80	13,72	0.014547	1.57	1.02	4.03	<u>'</u> 1.1
AlelA	51.78	PF 17	1.70	13.22	13.61	13.81	13.74	0.014453	1.59	1,07	4.14	1,
Atelh	51.76	PF 18	1.80	13.22	13.62	13.62	13.75	0.014369	1.61	1.12	4.24	1,
AtetA	51,78	PF 19	1.90	13.22	13.63	13.63	13.77	0.014278	1.63	1.17	4.34	1.
rtletA	51.76	PF 20	2.00	13.22	13.65	13,65	13,78	0.014207	1.65	1.22	4.44	1.
illetA	51.76	PF 21	2.10	13.22	13.66	13.66	13.80	0.014191	1.66	1.26	4.53	1.
tletA tletA	51.78 51.76	PF 22 PF 23	2.20	13.22	13.67	13.67	13.81 13.82	0.014118	1.68	1.31	4.6f	1.
tletA	51.76	PF 24	2.30	13.22	13.69	13.69	13.83	0.013780	1.00	1.42	5.98	1
ileiA	51.76	PF 25	2.50	13.22	13.70	13.70	13.85	0.012886	1.67	1.53	7.35	0.1
	51.76	PF 26	2.60	13.22	13.72	13.72	13.86	0.011875	1.64	1.68	9.22	0,
lielA	51.76	PF 27	2.70	13.22	13.73	13.73	13.87	0.011434	1.62	1,80	10.15	ນ.
nietA	51,76	PF 28	2.80	13.22	13.74	13.74	13.88	0.011245	1.63	1.90	10.88	0.
llelA	51.76	PF 29	2.90	13.22	13.75	13.75	13.89	0.011474	1.65	1,96	11.29	0.
llelA	51.76	PF 30	3.00	13.22	13.77	13.77	13.90	0.010608	1.61	2.18	13,03	Ó.
tielA	51.76	PF 31	3.20	13.22	13,79	13,79	13.91	0.010139	1.61	2.44	18.63	0,
lielA	51.76	PF 32	3.40	13.22	13.82	13.82	13.93	0.007915	1.47	3.20	22.08	0.
tietA	51.76 51.78	PF 33	3.60	13.22	13.63 13.85	13.83 13.85	13.94 13.95	0.007874	1.48	3.46 3.85	22.64	0.
lietA lietA	51.76	PF 34 PF 35	4.00	13.22	13.65	10.00	13.95	0.007356	1.45	4.97	25.40	0.
lletA	51.76	PF 36	4.00	13.22	13.93	-	13.98	0.003966	1.19	5,76	29.34	0.
lletA	51.76	PF 37	4.40	13.22	13.95		14.00	0.003516	1.15	6.38	31.71	0.
tielA	51.76	PF 38	4.60	13.22	13.96		14.01	0.003283	1,14	6.90	34.55	0.
tietA	51.76	PF 39	4.80	13.22	13.98		14.03	0.003094	1.13	7,42	36.74	0.
tletA	51.76	PF 40	5.00	13.22	13.99		14.04	0.002992	1.13	7.86	37.92	0.
tielA	48.84	PF 1	0.10	12.98	13.25	13.02	13,26	0.000038	0.08	1.25	4.91	0.
UəlA	46.84	PF 2	0.20	12.98	13.30	13.04	13,30	0.000091	0.14	1.48	5.03	0.
come of the state of the state	48.84	PF 3	0.30	12.98	13.33	13.06	13.34	0.000148	0.18	1.65	5.11	0.
tielA	46.64	PF 4	0.40	12.98	13.36	13.08	13.37	0.000201	0.22	1,80	5.19	0.
	46.84 46.84	PF 5 PF 6	0.50	12.98	13.39	13.09	13.39	0.000256	0.26	1.92	5.25 5.31	0.
12.0.00.000.000.00000000000000000000000	46.64	PF 7	0.60	12.98	13.43	13.12	13.43	0.000360	0.33	2.04	5.36	0.
lletA	46,84	PF 8	0.80	12.98	13.45	13.13	13.45	0.000410	0.36	2.25	5.40	0.
UetA	46.84	PF 9	0.90	12.98	13.46	13.14	13.47	0.000459	0.38	2.34	5.45	0,
and starts and the	46.84	PF 10	1.00	12.98	13.48	13.16	13.49	0.000507	0.41	2.43	5,49	Ó.
lletA	46.84	PF 11	1.10	12.98	13.50	13.17	13.51	0.000554	0.44	2,51	5.53	0.
lletA	46.84	PF.12	1.20	12.98	13.51	13.18	13.52	0.000599	0.46	2.60	5.57	0.
lletA	46.84	PF 13	1.30	12.98	13.53	13.19	13,54	0.000644	0.49	2.68	5.60	Ó.
	46.84	PF 14	1.40	12.98	13.54	13.20	13.55	0.000687	0.51	2.75	5.64	0.
Contract of the local days	46,84	PF 15	1.60	12.98	13.55	13.21	13.57	0.000725	0,53	2.83	5.68	0.
	46.84	PF 16	1.60	12.98	13.57	13.22	13.58	0.000760	0.55	2.91	5.71	0.
	46.84 45.84	PF 17	1.70 1.80	12.98 12.98	13.58 13.59	13.23 13.24	13.60 13.61	0.000792	0.57	2.99	5.75 5.78	Q. 0.
	40.84 46.84	PF 18 PF 19	1.80	12.98	13.59	13.24	13.61	0.000822	0.69	3.15	5.82	0.
ielA	40.04 48.84	PF 10	2.00	12.98	13.62	13.26	13,65	0.000850	0.62	3.15	5.85	0
and the second	46.84	PF 21	2.10	12.98	13.64	13.26	13.68	0.000898	0,63	3,31	5.89	0
letA	48.84	PF 22	2.20	12.98	13.65	13.27	13,67	0.000916	0.65	3.39	6.07	0
ietA	48,84	PF 23	2.30	12.98	13.68	13.28	13.69	0.000931	0,68	3,48	6.32	0
AlelA	46.84	PF 24	2.40	12.98	13.88	13.29	13.70	0.000944	0.68	3.58	6.57	0.
lietA	48.84	PF 25	2.50	12.98	13,69	13,30	13,72	0.000955	0.69	3.66	6.82	0.
latA	46.84	PF 26	2.60	12.98	13.71	13.31	13.73	0.000963	0,70	3.76	7.07	0.
letA	46.84	PF 27	2.70	12.98	13.72	13.31	13.74	0.000968	0.71	3.86	7.33	0.
	46.84	PF 28	2.80	12.98	13.73	13.32	13.76	0.000972	0.72	3.96	7.58 8.63	0
etA letA	46.64 48.84	PF 29	2.90	12.98	13.75	13.33	13.77	0.000972	0.73	4.08	8,63	0.0
	48.84 48.84	PF 30 PF 31	3.00	12.96	13.70	13.34	13.79	0.000971	0.75	4.63	19.15	0.
the state of the s	46.64	PF 32	3.40	12.98	13.79	13.37	13.85	0.000913	0.75	4.05 5.38	25.33	0.
and the second second	46,84	PF 33	3.60	12.98	13.86	13.38	13,88	0.000848	0.74	6.21	25.93	0.
lletA	48,84	PF 34	3.80	12.98	13.89	13.40	13.91	0.000781	0.73	7.07	26.63	0
lletA	48.84	PF 35	4.00	12.98	13.92	13.41	13.94	0.000735	0.73	7.83	27.28	Ó.
UetA	46.84	PF 38	4.20	12.98	13.94	13.42	13.96	0.000709	0.73	6,47	27.78	0
letA	46.84	PF 37	4.40	12.98	13.98	13.44	13.98	0.000708	0.74	8.96	28.75	0.
a series and	46.84	PF 38	4.60	12.98	13.97	13.45	14.00	0.000719	0.75	9.37	30.27	0
UetA		<ul> <li>American Scherkaniski</li> </ul>	1.00	10.00	13,98	13.48	14.01	0.000734	0.77	9.77	32.82	D
JetA JetA JetA	45.84 48.84	PF 39 PF 40	4.80	12.98	13.99	13.48	14.02	0.000752	0.78	10,13	34.46	0

Reach	River Sta	River, 1 Read	Q Total	Min Ch El	W,S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Ch
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(π√\$)	(m2)	(m)	
utietA	32	PF 1	0.10	12.93	13.25		13.25	0.000020	0.06	1.59	5.59	0.0
utletA	32	PF 2	0.20	12.03	13.30		13.30	0.000050	0,11	1.85	5.78	0.0
utietA	32	PF 3	0.30	12.03	13.33		13.33	0.000083	0.15	2.04	5.92	0.0
ulletA	32	PF 4	0.40	12.93	13.35		13.36	0.000118	0.18	2.21	6,04	0.1
utletA	32	PF 5	0.50	12.93	13.38		13.39	0.000153	0.21	2.35	6.14	0.1
utletA	32	PF 6	0.60	12.93	13.41		13.41	0.000188	0.24	2.48	5.23	0,
utietA	32	PF 7	0.70	12.93	13.42		13.43	0.000223	0.27	2.60	6.31	0.1
utletA	32	PF 8	0.80	12.93	13.44		13.45	0.000258	0.30	2.71	6.38	0.1
utletA	32	PF 9	0,90	12.93	13.46		13.46	0.000292	0.32	2.81	6,45	0,1
utletA	32	PF 10	1,00	12.93	13.47		13.48	0.000326	0.34	2.91	8.52	0.
utletA	32	PF 11	1.10	12.93	13.49		13.49	0.000361	0.37	3,00	6.58	0.
utletA	32	PF 12	1.20	12.93	13.50	-	13.51	0.000395	0.39	3.09	6.63	0.
utietA	32	PF 13	1.30	12.93	13.51	· · · · · · · · · · · · · · · · · · ·	13.52	0.000428	0.41	3.18	6,69	0,:
utietA	32 32	PF 14	1.40	12.93	13.53		13.53	0.000462	0.43	3.28	6.74	0.
utietA	32	PF 15 PF 16	1.50	12.93	13.54		13.55	0.000495	0.45	3.34	6.79	0. D.
utietA	32	PF 17	1.00	12.83	13.55		13.56	0.000528	0.47	3.41 3.48	6.88	0,1
utietA	32	PF 18	1.80	12.93	13.50		13.57	0.000593	0.49	3.55	6.93	0.
utletA	32	PF 19	1.00	12.93	13.58		13.59	0.000626	0.51	3.62	6.97	0.
utletA	32	PF 20	2.00	12.93	13.59	-	13.59	0.000658	0.52	3.69	7.01	0.
Aleth	32	PF 21	2.10	12.93	13.60		13.61	0.000690	0.56	3.75	7.05	0. 0,
utietA	32	PF 22	2.10	12.03	13.61		13.62	0.000722	0.58	3.81	7.08	0.:
rtietA	32	PF 23	2.30	12.93	13.61		13.63	0.000722	0.59	3.88	7.12	0.
itleIA	32	PF 24	2,30	12.93	13.61		13.63	0.000786	0.59	3.84	7.16	0,
NetA	32	PF 25	2,50	12.93	13.63	1	13.65	0.000818	0.63	3.99	7.19	0.
ItletA	32	PF 28	2.60	12.93	13.64		13.66	0.000849	0.64	4.05	7.22	0
Atelt	32	PF 27	2.70	12.93	13.65		13.67	0.000881	0.66	4.11	7.28	0.
Aleta	32	PF 28	2.80	12.93	13.65		13.68	0.000912	0.67	4.16	7.29	0.
Aleltu	32	PF 29	2.90	12.93	13.66		13.69	0.000943	0.69	4.22	7.32	0.
utietA	32	PF 30	3.00	12.93	13.67		13.69	0.000974	0.70	4.27	7.35	0.
Aleth	32	PF 31	3.20	12.93	13.68		13.71	0.001036	0.73	4.37	7.41	Q.
Alett	32	PF 32	3.40	12,93	13.70		13.73	0.001094	0.76	4.47	7.57	0.
rtietA	32	PF 33	3.60	12.93	13.71		13.74	0.001151	0.79	4.57	8,52	0.
rtietA	32	PF 34	3.80	12.93	13.72		13.75	0.001208	0.82	4.68	9.73	0.
Ateltu	32	PF 35	4.00	12.93	13.73		13.77	0.001262	0.84	4.79	10.52	0.
AleiA	32	PF 36	4.20	12.93	13.74	aa	13.78	0.001317	0.87	4.91	11.28	0.
Atela	32	PF 37	4.40	12.93	13.75		13.79	0.001370	0.90	5.04	12.15	0.
AleiA	32	PF 38	4.60	12.93	13,76	r	13.81	0.001423	0.92	5.17	13.23	0.
Alelhu	32	PF 39	4.80	12.93	13.77		13.82	0.001474	0.95	5.31	14.11	Ô.
utietA	32	PF 40	5,00	12.93	13.78		13.83	0.001524	0.97	5.46	14.79	0.3
										1		
AletA	24	PF 1	0.10	13.12	13.25		13.25	0.000748	0.20	0.51	5.08	0.
ulletA	24	PF2	0.20	13.12	13.30		13.30	0.000992	0.27	0.74	5.74	0.
lielA	24	PF 3	0.30	13.12	13.33		13.33	0.001168	0.32	0.93	6.22	0.
NetA	24	PF 4	0.40	13.12	13.35		13.36	0.001307	0.36	1.10	6.61	0.
,tietA	24	PF 5	0.50	13.12	13.38		13.38	0.001432	0.40	1.25	6.94	0,
itletA	24	PF 6	0.60	13.12	13.40		13.40	0.001524	0.43	1,39	7.24	0.
rtietA	24	PF 7	0.70	13.12	13.41		13.42	0.001616	0.46	1.52	7.60	0.
tietA	24	PF 8	0.80	13.12	13.43		13.44	0.001692	0.49	1,65	7,75	0.
ItletA	24	PF 9	0.90	13.12	13.44		13.46	0.001762	0.51	1.76	7.98	Đ.
AtetA	24	PF 10	1.00	13.12	13.46		13.47	0.001825	0.53	1.68	8.20	0.
nlietA	24	PF 11	1,10	13,12	13.47		13.49	0.001887	0.55	1.99	8.40	0,
rtietA	24	PF 12	1.20	13.12	13.48		13.50	0.001941	0.57	2.10	8.59	0.
IleiA	24	PF 13	1.30	13.12	13.50		13.51	0.001992	0.59	2.20	8.77	0.
illeiA	24	PF 14	1.40	13.12	13.51		13.53	0.002041	0.61	2.30	8.94	0.
nletA	24	PF 15	1.50	13.12	13,52		13.54	0.002086	0.62	2.40	9.11	0.
Aleth	24	PF 16	1.60	13.12	13.53		13.55	0.002129	0.64	2.50	9.27	0.
illetA	24	PF 17	1.70	13.12	13.54		13.56	0.002170	0.65	2.60	9.42	0.
tietA	24	PF 18	1,80	13.12	13.55		13.57	0.002209	0.67	2.69	9.57	0.
itletA	24	PF 19	1.90	13.12	13.56	-	13.58	0.002250	0.68	2.78	9.71	0.
itletA itletA	24 24	PF 20 PF 21	2.00	13.12 13.12	13.57		13.59	0.002285	0.70	2.87	9.85	0.
					13.58		13,60	0.002319	0.71	2.96	9.98	0.
itietA itietA	24	PF 22	2.20	13.12	13.59		13.61		0.72	3.04	10.11	0.
dietA	24 24	PF 23 PF 24	2.30	13.12	13.59		13.62 13.63	0.002383	0.74	3.13 3.21	10.24	0,
tletA	24	PF 25	2.40	13.12	13.60		13.63	0.002414	0.78	3.21	10,38	0. 0.
tietA	24	PF 26	2.60	13.12	13.62		13.65	0.002443	0.76	3.38	10.45	0.
lietA	24	PF 20 PF 27	2.00	13.12	13.62	1	13.65	0.002471	0.77	3.35	10.60	U. 0.
tletA	24	PF 28	2.10	13.12	13.63	1	13,66	0.002499	0.78	3.40	10.71	0.
tletA	24	PF 29	2.90	13.12	13.64		13.67	0.002548	0.80	3,62	10.82	0.
lletA	24	PF 30	3.00	13.12	13.65		13.68	0.002548	0.81	3.02	11.04	0.
lleiA	24	PF 31	3.00	13.12	13.68		13.00	0.002620	0.83	3.70	11.04	0.
tletA	24	PF 31 PF 32	3.20	13.12	13.66	-	13.70	0.002620	0.85	4.00	and a second	U. 0.
lietA	24	PF 33	3.40	13.12	13.69	-	13.71	0.002662	0.85	4.00	11.45	0.
lietA	24		3.60			0.0)/taminingtal.co.ord	10000000000000000000000000000000000000	**************************************	0.87			
uelA LielA	24	PF 34	3.80	13.12	13.70		13.74	0.002750	0.89	4,29	11.83	0.
tietA	24	PF 35 PF 36	4.00	13.12	13.71		13.75	0.002789	0.90	4.43	12.01	0.
uetA VetA	24	and the second se		13.12	13.72		13.77	again and a second and a second and a second and a second se	0.92	4.57	12.18	0.
	24	PF 37	4.40	13.12	13.73		13.78	0.002863		4.71	12.35	0.
itletA itletA		PF 38	4.60	13.12	13.75		13.79	0.002898	0.95	4.85	12.52	0.
tietA	24	PF 39		13.12	13.76		13.80	0.002933	0.96	4.98	12.67	Ó
	24	PF 40	5.00	13.12	13.77		13.81	0.002965	0.98	5.11	12.83	0.4

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Eley	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Frouds # Ch
			(m3/s)	(m)	(m)	(m)	(m)	(m/m) 0.002352	(m/s) 0.29	(m2) 0.35	(m) 4.72	0.3
kutietA	16	PF 1 PF 2	0.10	13.10	13.24		13.24	0.002352	0.29	0.35	4.72	0.
lutieiA	18	PF3	0.30	13.10	13.31		13.32	0.002570	0.41	0.73	6.07	0.
wiletA	18	PF 4	0.40	13.10	13.33		13.35	0.002677	0.45	0.88	6,54	0.3
utletA	16	PF 5	0.50	13.10	13.38	4	13.37	0.002791	0.49	1.02	6.93	0
utletA	16	PF 6	0.60	13.10	13.37		13.39	0.002834	0.52	1,16	7.30	Ô.
utletA	18	PF 7	0,70	13.10	13.39		13,41	0.002907	0.55	1.28	7.62	0.
utietA	18	PF 8	0.80	13.10	13.41		13.42	0.002947	0.57	1.40	7.93	0,
Ateltu	16	PF 9	0.90	13.10	13,42		13.44	0.002989	0.59	1,52	8.21	Ó.
wtletA	18	PF 10	1.00	13.10	13.44		13.45	0.003016	0.61	1.64	8.48 8.72	0.
utletA utletA	16 16	PF 11 PF 12	1.10	13.10 13.10	13.45 13.40		13.47	0.003060	0.63	1.85	8.96	0.
utietA wiletA	10	PF 12	1.30	13.10	13.47		13.49	0.003107	0.66	1.96	9.16	0.
utietA	16	PF 14	1.40	13.10	13.48		13.51	0.003130	0.68	2.07	9.40	0
utletA	16	PF 15	1.50	13.10	13.49		13.52	0.003150	0.69	2.17	9.61	0
utletA	16	PF 16	1.60	13.10	13,50		13.53	0.003169	0.71	2.27	9,80	0
ulletA	16	PF 17	1.70	13.10	13.51		13.54	0.003186	0.72	2,37	10.00	0
Alellu	16	PF 18	1.80	13.10	13.52		13.55	0.003201	0.73	2.48	10.18	0.
utletA	16	PF 19	1.90	13,10	13.53	_	13.56	0.003223	0.74	2.56	10,36	0
Alelfu	16	PF 20	2.00	13.10	13.54		13.57	0.003236	0.75	2.65	10.53	0
ullelA	16	PF 21	2.10	13.10	13.55 13.56		13.58	0.003248	0.76	2.75	10.70	0.
utletA	16 16	PF 22 PF 23	2.20	13.10	13.56	-	13.69	0.003259	0.78	2.84	11.03	0.
utletA	16	PF 23	2.30	13.10	13.58		13.61	0.003278	0.79	3.02	11.18	0
ulielA	16	PF 25	2.50	13.10	13.58		13.62	0.003287	0.80	3.11	11.33	0
ulletA	16	PF 26	2.60	13.10	13.59		13.63	0.003296	0.81	3.20	11.48	Ď
utletA	16	PF 27	2.70	13.10	13.60		13.63	0.003303	0.82	3.28	11.63	0.
utletA	18	PF 28	2.60	13.10	13.61		13.64	0.003310	0.83	3.37	11,77	0
nuleiA	16	PF 29	2.90	13.10	13.61		13.65	0.003311	0.84	3.46	11,92	Ŭ.
utletA	18	PF 30	3.00	13.10	13.62		13,66	0.003316	0.85	3.54	12.05	0
utletA	16	PF 31	3.20	13.10	13.63		13.67	0.003328	0.86 0.88	3.71 3.88	12.32	0
utietA. IutietA	16	PF 32 PF 33	3.40 3.60	13.10 13.10	13.65		13.69	0.003332	0.83	4.04	12.50	0
ullelA	16	PF 34	3.60	13.10	13.67		13.72	0.003356	0.90	4.20	13.06	0
ulletA	16	PF 35	4.00	13.10	13.69	ana	13.73	0.003363	0.92	4.36	13.30	0
utletA	18	PF 38	4.20	13.10	13.70	-	13.74	0.003376	0.93	4,52	13.52	0
utietA	18	PF 37	4.40	13.10	13.71	(2-00) 000 0 A (M(0))	13.75	0.003377	0.94	4.68	13.74	0
utietA	16	PF 38	4.60	13.10	13.72		13.77	0.003384	0.95	4.84	15.42	0
Alettu	16	PF 39	4.80	13.10	13.73	and a second strends of the second	13.78	0.003388	0.96	5.01	17.24	0.
utielA	16	PF 40	5.00	13.10	13.74		13.79	0.003387	0.97	5.20	19.02	0.
					10.00					0.00	A 54	0.
utietA	8	PF 1	0.10	13.08	13.20		13.21	0.006915	0.44	0.23	3.59	0.
utietA	8	PF 2 PF 3	0.20	13.08	13.27	-	13.20	0.006655	0.59	0.50	5.02	0.
utietA	8	PF 4	0.40	13.08	13.29		13.31	0.006543	0.64	0.63	5.44	0
wiletA	8	PF 5	0,50	13.08	13.31		13.33	0.006924	0.69	0.72	5.74	0
hutietA	8	PF 6	0.60	13.08	13.33	1. I.	13.35	0.006672	0.72	0.83	6,08	0
utietA	8	PF 7	0.70	13.08	13.34		13.37	0.006861	0.76	0.92	6.34	0
utietA	8	PF 8	0.80	13.08	13.36	1	13.39	0.006828	0.79	1.02	6.61	Û
ulletA	8	PF 9	0.90	13.08	13.37	-	13.40	0.006851	0.81	1.10	6,85	0
utietA	8	PF 10	1.00	13.08	13.38		13,42	the second of the Second Second	0.84	1.20	7.09	0
utietA	8	PF 11	1.10	13.08	13.39		13.43		0.86 0.88	1.27	7.29	0
utietA utietA	8	PF 12 PF 13	1.20	13.08	13.40		13.48		0.00	1.44	7,00	0
utietA	8	PF 14	1.40	13.08	13.43		13.47	0.006849	0.92	1.52	7.69	0
utietA	8	PF 15	1.50	13.08	13.44	-	13.48		0.94	1.60	8.07	0
utietA	8	PF 16	1.60	13.08	13.45		13.49		0.95	1.68	8.24	0
utietA	8	PF 17	1.70	13.08	13.45		13.50	0.006828	0.97	1.76	8.41	0
utletA	8	PF 18	1,80	13.08	13.46		13,51	0.006818	0.98		8,58	0
utletA	8	PF 19	1.90	13.08	13.47		13.52		1.00	1.90	8.72	0
utietA	8	PF 20	2.00	13.08	13.48		13.53		1.01	1.98	8.88	0
utletA	8	PF 21	2.10	13.08	13.49 13.50		13.54		1.02	2.05		0
utletA utletA	8	PF 22 PF 23	2.20	13.08 13.08	13.50		13.55		1.04	2.13		
utietA	8 *	PF 23 PF 24	2.30	13.08	13.50		13.50	0.006791	1.05	2.20	9.46	
utletA	6	PF 25	2.50	13.08	13.52		13.58		1.00	2.34		Ċ
utietA	8	PF 26	2.60	13.08	13.53	-	13.59		1.08	2.41		C
ulletA	8	PF 27	2.70	13.08	13.53	**************************************	13.59		1,09	2.48		(
Juleia	8	PF 28	2.80	13.08	13.54		13.60		1.10	2.55	9.98	(
Ateth	8	PF 29	2.90	13.08	13.55		13.61	0.006674	1.10			(
ItletA	8	PF 30	3.00	13.08	13.56	_	13.62		1.11	2.70		
utletA	8	PF 31	3.20	13.08	13.67		13.63	in the second	1.13	2.83		(
Areth	8	PF 32	3.40	13.08 13.08	13.58		13.65		1.15	2.97	10.71	
utletA utletA	8	PF 33 PF 34	3.60	13.08	13.59	-	13.68		1.16	3.09		000 103 mil a 17711 Berlin
utietA	8	PF 34	4.00	13.08	13.60		13.69		1.18	3.36	Charlen Charle	170000000
utietA	8	PF 35	4.20	13.08	13.63		13.70		1.13	3.48	Laura 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	
ulletA	8	PF 37	4.40	13.08	13.64		13.71	0.006517	1.22		11.75	A CONTRACTOR OF A CONTRACT OF
utletA	8	PF 38	4.60	13.08	13.65		13.73		1.23		1	(
utletA	8	PF 39	4.80	13.08	13.66		13.74	0.006463	1.24	3.86	12.14	(
	8	PF 40	5.00	13.08	13.67		13.75	0.006438	1.26	3.98	12.32	(
utletA	C. 6 200 00000		I									

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elay	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chi
		The share	(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
OutletA	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
OutletA	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	0.80	12.99	13.23	13.23	13.30	0.018053	1.14	0.70	5.41	1.01
AtelluO	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	12.99	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	0.018755	1.28	1.02	6.28	1.01
OutietA	0	PF 14	1.40	12.99	13.30	13.30	13.38	0.018584	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	1.38	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
OutletA	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	<b>Q</b>	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	1.52	1.90	8.24	1.01
OutletA	Q	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
OutletA	0	PF 35	4.00	12.99	13.47	13.47	13.61	0.013951	1.62	2.47	9.27	1.00
OutielA	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	1.66	2.68	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

















Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope (m/m)	Vel Chni (n/s)	Flow Area (m2)	Top Width (m)	Froude # Ch
			(m3/s)	(m)	(m) 13.79	(m)	(m) 13.79	0.000521	0.13	0.80	4.12	0.1
	76	PF 1	0.10	13,39	14.09		14.09	0.000087	0.06	3.31	15.40	0.1
	76	PF 2	0.20	13.39				Contraction of the local data	0.03	15.43	40.00	0,1
	78	PF 3	0.30	13.39	14.50		14.50	0.000004	Contract of the second second			0,
	76	PF 4	0.40	13,39	14.66		14.68	0.000002	0.02	21.76		
	76	PF 5	0.50	13.39	14.67		14.67	0,000004	0.03	22.11	40.00	0.
	76	PF 8	0.60	13.39	14.68	-	14,68	0.000005	0.03	22.75		0,
	78	PF 7	0.70	13.39	14.69		14.69	0.000008	0.04	23.08		0.
	78	PF 8	0.80	13.39	14.70		14.70	800000.0	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.
No. No.	76	PF 10	1.00	13.39	14.71		14.71	0.000011	0.05	23.85		0.
	76	PF 11	1.20	13.39	14.73		14.73	0.000015	0.06	24.38	40.00	0.
	78	PF 12	1.40	13.39	14.73		14.73	0,000023	0.07	24.67	40.00	0.
	78	PF 13	1.60	13.39	14.74		14.74	0.000026	0.08	24.94	40.00	0.
	76	PF 14	1.80	13,39	14.75		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
	A construction of the second		2.50	13,39	14.77	(	14.77	0.000053	0.12	26.26	annut they are an	ð
<u></u>	76	PF 18	-	Concerning Street and a second			90° 11 *** ***	TANK TO A TANK T		26.90		0
	76	PF 17	3.00	13.39	14.79	Longer	14.79	0,000071	0.14	20.80	40.00	0
			1								0.04	
	68	PF 1	0.10	13.25	13.79	13.44	13.79	0.000410	0.14	0.70		0
	68	PF 2	0.20	13.25	14.09	13.50	14.09	0.000229	0,13	1.59		0
	68	PF 3	0.30	13.25	14.50	13.54	14.50	0.000026	0.06	6.75	-	0
	68	PF 4	0.40	13.25	14.66	13.58	14.66	0.000011	0,05	13.08		0
	68	PF 5	0.50	13.25	14.67	13.81	14.67	0.000016	0,08	13.43	40.00	Ö
	68	PF 8	0.60	13.25	14.68	13.64	14.68	0.000020	0.06	14.07	40.00	0
Contraction of the line	68	PF 7	0.70	13.25	14.69	13.67	14.69	0.000025	0.07	14.39	1	0
	and the second second second		0.70	13.25	14.09	13.69	14.70	0.000031	0.08	14.64		0
	68	PF 8	2		(-)		A	0.000031	0.08	14.89		0
	68	PF 9	0.90	13.25	14.70	13.72	14.71		141	61147 mg		0
	68	PF 10	1.00		14.71	13.74	14.71	0.000045	0.10	15.16		
	68	PF 11	1.20		14.72	13.78	14.73	0.000058	0.11	15,68		0
	68	PF 12	1,40		14.73	13.82	14.73	0.000077	0.13	15.87		0
	68	PF 13	1.60	13.25	14.74	13.65	14.74	0.000094	0.15		- inne-	0
	68	PF 14	1.80	13.25	14.75	13,68	14.75	0.000113	0.16	16.55	40.00	0
es aveces	68	PF 15	2.00	13.25	14.75	13.91	14.75	0.000134	0.18	16.78	40.00	0
	68	PF 16	2.50		14.77	13.99	14.77	0.000185	0.21	17.52	40.00	0
	68	PF 17	3.00		14.79	14.07	14.79	0.000240	0.24	16.13	40.00	0
	00	fer a	0.00	19.20	14.10	14.41	13.24	*		and all and a second		
	67		Culvert									
			0.10	13.22	13.72	13.45	13.72	0.001217	0.22	0.46	1.63	0
	48	PF 1			a san and the plan deal of the same of		13.83	0.001916	0.31	0.64		0
	48	PF 2	0.20	in chievens	13.83	13.53			-			0
	48	PF 3	0.30		13.91	13.57	13.92	0.002415				
	48	PF 4	0.40	13.22	13.98	13.61	13.99	0.002804			3	0
	48	PF 5	0.50	13.22	14.04	13.64	14.05	0.003129	0.48	1.04		0
	48	PF 6	0.60	13.22	14.09	13.67	14.10	0.003412	0.52	1.16		0
	48	PF7	0.70	13.22	14.14	13.70	14.16	0.003577	0.55	1.27	2.21	¢
	48	PF 8	0.80	13.22	14.18	13.73	14.20	0.004019	0.59	1.35	2.25	0
	48	PF 9	0.90		14.20	13.75	14.23	0.004513	0.64	1.41	2.29	C
	48	PF 10	1.00		14.23	13.78		Commercial Contraction	0.68		2.32	0
	and the second		Contraction of the second seco		14.27	13.82			0.77		and months	1 H H H H H H H H H H H H H H H H H H H
	48	PF 11	1.20							and they many the second		0
	48	PF 12	1.40		14.31	13.87	14.35	0.007058	0.84		E BECOMANIO	<u>.</u>
	48	PF 13	1.60		14.34	13.91	14.39		0.92		5. m	
	48	PF 14	1.80	13.22	14.37	13.94			-	and the second se		
	48	PF 15	2.00	13.22	14.40	13.98	14.46	0.010336				
	48	PF 18	2.50		14.46	14.06			1.23	2.04	\$ 3.11	
	48	PF 17	3.00		14.51	14.14					5 7.99	(
							10.70	0.000333	0.13	0.76	2.29	
	40	PF1	0.10		13.72							
	40	PF 2	0.20	and the factor	£	Contraction Contraction	1					
	40	PF3	0.30		13.90							
	40	PF 4	0.40	-	13.97			enter a	-	11.a.da		
	40	PF 5	0.50		14.03		the second se	a second a second as			- tenet-	
	40	PF 8	0.60	13.30	14.08	13.55						
	40	PF 7	0.70	13.30	14.13	13.57						
	40	PF 8	0.80	13.30	14.17	13.60	14.17	0.001460	0,39	2.06		
	40	PF 9	0.90	the second s	14.19	And Alaberta and Ala			0.42	2 2.16	3 3.78	i
enter Gebelle (d. Spiele States) (d. 1	40	PF 10	1.00							Committee and		(
	40	PF 11	1.20			1	-	Committee				
					**************************************				and the second se			
	40	PF 12	1.40		Concernment and the second		- Annothing -	and a state of the		Street St		and the second s
	40	PF 13	1.60					- ANNO				1
	40	PF 14	1.80	-								
	40	PF 15	2.00						1			
	40	PF 16	2.50				11070	-				
	40	PF 17	3.00	13.30	14,48	13.96	14.52	0,004695	0.87	3.6	3 18.72	2
	32	PF 1	0.10	13.28	13.71	13.40	13.72	0.000274	0.12	0.8	4 2.70	
		the set of some set of the set of	0.10				and contraction					
	32	PF 2							2	and the state of t		
	32	PF 3	0.30		·		**	1		110		
para de co	32	PF 4	0.40									
	32	PF 5	0.50							and the first second second		
	32	PF 6	0.60	13.28	14.07	13.55	i 14.08	0.000910				
	32	PF 7	0.70		the a constitution is a second second				0.32	2 2.2	0 4.04	
- States and the states	32	PF 8	0.80	172700-			1	and the second sec			- Increase -	-1
		111.0	0.00	10.20	379715	19.00	14.19	-				3

Read	ch River	Sta Profile		Min Ch El	W.S. Elev	Crit W.S.	E,G, Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chi
	32	PF 10	(m3/s) 1.00	(m) 13.28	(m) 14.20	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
	32	PF 11	1.00	13.28	14.20	13.63	14.21	0.001360	0.40	2.53	4.47	0.1
	32	PF 12	1.40	13.28	14.28	13.70	14.29	0.001844	0.49	2.92	8.21	0.20
	32	PF 13	1.60	13.28	14.31	13.73	14.32	0.002037	0.53	3.17	10.97	0.21
S., .	32	PF 14	1.80	13.28	14.33	13.77	14.35	0.002212	0.57	3.45	15.40	0.22
	32	PF 15	2.00	13.28	14.36	13.79	14.38	0.002370	0.60	3.71	19.44	0.23
	32	PF 18	2,50	13.28	14.41	13,86	14.43	0.002667	0.67	4,33	28.68	0.24
	32	PF 17	3.00	13.28	14.46	13.92	14,48	0.002929	0.73	4.85	27.69	0.28
	24	PF 1	B 10	12 22	49.74	10.11	10.74	0.000000	0.40		0.67	
	24	PF 2	0.10	13.32 13.32	13.71	13.44	13.71	0.000598	0.16	0.64	2.53	0.10
	24	PF 3	0.30	13.32	13.89	13.53	13.89	0.001087	0.26	1.16	3.31	0.13
	24	PF 4	0.40	13.32	13.95	13.58	13.96	0.001193	0.29	1.39	3.60	0,14
	24	PF 5	0.50	13.32	14.01	13.59	14.02	0.001259	0.31	1.60	3.84	0.15
	24	PF 6	0.60	13.32	14.08	13.62	14.07	0.001295	0.33	1.81	4.02	0.16
	24	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
	24 24	PF 11 PF 12	1.20	13.32	14.23	13.75	14.24	0.002081	0.48	2.51	4.67	0.21
a en est	24	PF 12 PF 13	1.40	13.32	14.26	13,78	14.27	0.002386	0.53	2.69	6.97	0.22
	24	PF 13	1.80	13.32	14.29	13.81	14.30	0.002668	0,57	2.91 3.16	9.28	0.24
	24	PF 15	2.00	13.32	14,31	13.87	14.35	0.002933	0.61	3.15	13.45	0.25
	24	PF 16	2.50	13.32	14.38	13.93	14.41	0.003481	0.05	4,01	18.87	0.28
836	24	PF 17	3,00	13.32	14.43	13.99	14.46	0.003769	0.78	4.58	23.47	0.29
								ANT				
	18	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	0.28	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
	16	PF 5	0.50	13.27	14.00		14.01	0.001208	0.32	1.57	3.51	0.15
	16	PF 6	0.60	13.27	14.05		14.06	0.001294	0.34	1.76	3.70	0.16
	16 18	PF 7 PF 8	0.70	13 27	14.11		14.11	0.001317	0.36	1.96	3.91	0.16
	18	PFB	0.80	13.27	14.13 14.16		14.14	0.001483	0.39	2.07	4.01	0.17
	16	PF 10	1.00	13.27	14,18		14.17	0.001886	0.42	2.16	4.10	0.18
0	16	PF 11	1.20	13.27	14.21	o	14.18	0.001886	0.45	2.24	4.17	0.19
	16	PF 12	1.40	13.27	14.24		14.25	0.002310	0.56	2.50	4,40	0.22
	16	PF 13	1.60	13.27	14.28		14.28	0.003191	0.61	2.62	5.83	0.24
	16	PF 14	1.80	13.27	14.28		14.30	0.003643	0.68	2.78	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
- 37	16	PF 16	2.50	13.27	14,34		14.38	0.005081	0.82	3.32	11.36	0.33
	16	PF 17	3,00	13.27	14.38		14.42	0.005828	0.91	3.81	16.47	0.35
									-			
	8	PF 1	0.10	13.50	13.70		13.70	0.002695	0.26	0.39	2.34	0.20
	8	PF 2 PF 3	0.20	13.50	13.79		13.80	0.002738	0.32	0.63	2.66	0.21
	8	PF 4	0.30	13.50 13.50	13.66		13.87	0.002724	0.38	0.83	2.92	0.22
	8	PF 6	0.40	13.50	13.93		13.94	0.002685	0.39	1.03	3.15 3.34	0.22
	a	PF 6	0.60	13.50	14.03	-	14.04	Terrent States				0.22
	8	PF 7	0.70	13.50	14.09		14.10	0.002555	0.44	1.40	4.44 6.08	0.22
	8	PF 8	0.80	13.50	14.12		14.13	0.002429	0.44	1.86	6.68	0.21
	8	PF 9	0.90	13.50	14.14	1	14.15	0.002637	0,49	2.01	7.49	0.22
	8	PF 10	1.00	13,50	14.15		14.17	0.002852	0.52	2.14	8.01	0.24
	8	PF 11	1.20	13.50	14.18		14.20	0.003288	0.58	2.39	6.89	0.26
	8	PF 12	1.40	13.50	14.21		14.23	0.003701	0.63	2.62	9.85	0.28
	8	PF 13	1.60	13.50	14.23		14.25	0.004105	0.87	2.84	10.30	0.29
	8	PF 14	1.60	13.50	14.25		14.27	0.004567	0.72	3.02	10.82	0.31
	8	PF 16	2.00	13.50	14.28		14.29	0.005021	0.77	3.19	11.28	0.32
	8	PF 16	2.50	13.50	14.30		14.33	0.006056	0.87	3.61	12.34	0.36
	8	PF 17	3.00	13.50	14.33		14,37	0.006891	0.95	4.02	16.11	0.39
	0	PF 1	0.10	13.48	13.66	13.56	13.67	0.005001	0,33	0.31	1.91	0.00
1000	0	PF 2	0.20	13.48	13.76	13.60	13.77	0.005003	0.41	0.49	2.11	0.26
	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
	0	PF 5	0.50	13.48	13.95	13.70	13.98	0.005007	0.63	0.94	2.54	0.28
	0	PF 6	0.60	13.46	14.00	13.72	14.02	0.005007	0.56	1.07	2.65	0.28
	0	PF 7	0.70	13.48	14,06	13.75	14.07	0.005007	0.55	1.41	9.33	0.28
	0	PF 8	0.80	13.45	14.08	13.77	14.10	0.005005	0.56	1.71	12.08	0.29
	0	PF 9	0.90	13,48	14.10	13.79	14.12	0.005006	0.57	1.97	13.84	0.29
	0	PF 10	1.00	13.48	14,12	13,81	14.14	0.005003	0.59	2.22	15.36	0.29
	0	PF 11	1.20	13.48	14.15	13.85	14.17	0.005008	0.61	2.71	17.94	0.29
- 11	0	PF 12	1.40	13.48	14.18	13,88	14.19	0.005008	0.62	3.18	20,11	0.30
	0	PF 13	1.60	13.48	14.20	13.92	14.21	0.005003	0.64	3.63	22.00	0,30
	0	PF 14	1.80	13.48	14.21	13.95	14.23	0.005001	0.65	4.01	22.25	0.30
	0	PF 15	2.00	13.48	14.23	14.08	14.25	0.005008	0.66	4.36	22.28	0.30
	0	PF 16	2.50	13.48	14.27	14.14	14.28	0.005004	0.68	5.15	22.37	0.30
572245	0	PF 17	3.00	13.48	14.30	14.16	14.31	0.005003	0.70	5.86	23.22	0.31

## OUTLET B PROPOSED - HEC-RAS MODEL FILES

















1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24	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 # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	0.45
78         76         76         76         76         76         78         68         48         48		PF 1	0.10	13.39	13.72	13.55	13.72	0.001545	0,19	0.53	3.35	0.15
78         78         76         76         78         78         78         78         78         78         78         78         78         78         78         78         78         78         78         78         78         78         78         69         68         48         48		PF 2	0.20	13.39	13.82	13.60 13.63	13.83 13.91	0.001441	0.21	1.43	4,63	0.15
78         83         68         48         48	the for the formation of	PF 3 PF 4	0.30	13.39	13.98	13.66	13.98	0.001020	0.20	1.98	8.78	0.14
76         76         76         76         76         76         76         76         76         76         76         76         76         76         76         78         78         78         78         78         78         78         78         68         48         48         48         48         48		PF 5	0.50	13.39	14.04	13.68	14.04	0.000807	0.20	2.58	11.48	0.12
76         76         76         76         76         78         78         78         78         78         78         78         78         78         78         78         78         78         78         68         48         48         48         48         48         48         48         48         49         40         40	and a second bears	PF 6	0.75	13.39	14.17	13.73	14.17	0.000422	0.18	4.66	20.79	0.09
76         76         76         76         76         76         76         76         76         76         68         48         48         48         48         48         48         48         48         49         40         40         40         40         40         40		PF 7	1.00	13.39	14.24	13.78	14.24	0.000376	0,19	6.30	25.85	0.09
78         1       76         1       76         1       76         1       76         1       76         1       76         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       48         1       48         1       48         1       48         1       48         1       40         1       40         1       40         1       40         1       40         1       40         1       32	The second se	PF 8	1.25	13.39	14.29	13.81	14.30	0.000347	0.20	7.92	30.04	0.09
1       76         1       76         1       76         1       76         1       76         1       63         1       63         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       68         1       48         1       48         1       48         1       48         1       48         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       32         1	and and a second se	PF 9	1.50	13.39	14.35	13.85	14.35	0.000322	0.21	9.56	33.76	0.09
1     78       1     68       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td></td> <td>PF 10</td> <td>1.75</td> <td>13.39</td> <td>14.39</td> <td>13.88</td> <td>14.39</td> <td>0.000304</td> <td>0.21</td> <td>11.18</td> <td>37.13</td> <td>0.09</td>		PF 10	1.75	13.39	14.39	13.88	14.39	0.000304	0.21	11.18	37.13	0.09
1     76       1     69       1     68       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td>6</td> <td>PF 11</td> <td>2.00</td> <td>13.39</td> <td>14.43</td> <td>13.90</td> <td>14.43</td> <td>0.000289</td> <td>0.21</td> <td>12.79</td> <td>40.43</td> <td>0.08</td>	6	PF 11	2.00	13.39	14.43	13.90	14.43	0.000289	0.21	12.79	40.43	0.08
1         68           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32	8	PF 12	2.25	13.39	14.47	13.92	14,47	0.000275	0.22	14.45	43,55	0.08
1         68           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32	6	PF 13	2.50	13.39	14.51	13,94	14.51	0.000262	0.22	16.16	47.35	0.08
1         68           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32				andore so								
1         68           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32		PF.1	0.10	13.24	13.72	13.28	13.72	0.000026	0.05	2.17	4.86	0.02
68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         46           1         46           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1		PF 2	0.20	13.24	13.82	13.30	13.82	0.000054	0.07	2.69	5.00	0.03
68           1         68           1         68           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32 <td>di ter in the state of the state</td> <td>PF 3</td> <td>0.30</td> <td>13.24</td> <td>13.91</td> <td>13.32</td> <td>13.91</td> <td>0.000079</td> <td>0.10</td> <td>3.10</td> <td>5.11</td> <td>0.04</td>	di ter in the state of the state	PF 3	0.30	13.24	13.91	13.32	13.91	0.000079	0.10	3.10	5.11	0.04
1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td></td> <td>PF 4</td> <td>0.40</td> <td>13.24</td> <td>13.97</td> <td>13.34</td> <td>13.98</td> <td>0.000101</td> <td>0.12</td> <td>3,46</td> <td>5.21</td> <td>0.05</td>		PF 4	0.40	13.24	13.97	13.34	13.98	0.000101	0.12	3,46	5.21	0.05
1     66       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td>the second s</td> <td>PF 5</td> <td>0.50</td> <td>13.24</td> <td>14.04</td> <td>13.35</td> <td>14.04</td> <td>0.000121</td> <td>0.13</td> <td>3.77</td> <td>5.29</td> <td>0.05</td>	the second s	PF 5	0.50	13.24	14.04	13.35	14.04	0.000121	0.13	3.77	5.29	0.05
68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         68           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1		PF 6	0.75	13.24	14.18	13.39	14.17	0.000167	0.17	4.85	5.47	0.00
1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     68       1     46       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td></td> <td>PF 7</td> <td>1.00</td> <td>13.24</td> <td>14.23 14.29</td> <td>13.42</td> <td>14.24</td> <td>0.000230</td> <td>0.21</td> <td>5.32</td> <td>10.42</td> <td>0.07</td>		PF 7	1.00	13.24	14.23 14.29	13.42	14.24	0.000230	0.21	5.32	10.42	0.07
1     68       1     68       1     68       1     68       1     68       1     67       1     46       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td>a state of the second stat</td> <td>PF 8</td> <td>1.25</td> <td>13.24</td> <td>14.28</td> <td>13,45</td> <td>14.29</td> <td>0.000289</td> <td>0.24</td> <td>5.95</td> <td>14.33</td> <td>0.09</td>	a state of the second stat	PF 8	1.25	13.24	14.28	13,45	14.29	0.000289	0.24	5.95	14.33	0.09
1       68         1       68         1       68         1       67         1       46         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       48         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       40         1       32         1       32         1       32         1       32         1       32         1       32         1       32         1       32         1	In LA. so is in the summer of the second s	PF 9 PF 10	1.50	13.24	14.39	13.50	14.39	0.000341	0.30	6.67	17.81	0.09
1     68       1     68       1     67       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td></td> <td>PF 10 PF 11</td> <td>2.00</td> <td>13.24</td> <td>14.43</td> <td>13.50</td> <td>14.39</td> <td>0.000380</td> <td>0.32</td> <td>7.46</td> <td>20.98</td> <td>0.10</td>		PF 10 PF 11	2.00	13.24	14.43	13.50	14.39	0.000380	0.32	7.46	20.98	0.10
68           67           1         67           1         46           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         49           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32	the second s	PF 11 PF 12	2.00	13.24	14.43	13.54	14.40	0.000427	0.34	8.34	23.99	0.10
1         67           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32		PF 13	2.50	13.24	14.50	13.56	14.51	0.000467	0.35	9.41	43.70	0.10
1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32												
1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         48           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32	7		Culvert	-			1	and a second of		///		
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24					1							
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1 <td>8</td> <td>PF 1</td> <td>0.10</td> <td>13.22</td> <td>13.72</td> <td>13.26</td> <td>13.72</td> <td>0.000021</td> <td>0.05</td> <td>2.09</td> <td>4.45</td> <td>0.02</td>	8	PF 1	0.10	13.22	13.72	13.26	13.72	0.000021	0.05	2.09	4.45	0.02
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	8	PF 2	0.20	13.22	13.82	13.28	13.82	0.000044	0.08	2.53	4,51	0.03
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	8	PF 3	0.30	13.22	13.90	13.30	13.91	0.000065	0.10	2.68	4.55	0.04
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	8	PF 4	0.40	13.22	13.97	13.32	13.97	0.000084	0,13	3.16	4.58	0.05
1     48       1     48       1     48       1     48       1     48       1     48       1     48       1     46       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24	8	PF 5	0.50	13.22	14.03	13.33	14.03	0.000101	0.15	3.42	4.61	0.05
1     40       1     48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24	8	PF 6	0.75	13.22	14.18	13.37	14.18	the second second second	0.19	3.95	4.68	0.06
48       1     48       1     48       1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24		PF 7	1.00	13.22	14.23	13.40	14.23	0.000199	0.24	4.23	4.71	0.08
1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24		PF 8	1.25	13.22	14.28	13.43	14.29	and the second sec	0.28	4.48	4,74	0.09
1     48       1     48       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	A CONTRACTOR OF A	PF 9	1.50	13.22	14.33	13,46	14.33	0.000327	0.32	4.65		0.10
1     40       1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24	Comments of the local division of the local	PF 10	1.75	13.22	14.37	13.48	14.37	0.000396	0.38	4.82	4.78	0.11
1     48       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24	CCATAGAT ****COMMANDAGATAT	PF 11	2,00	13.22	14.40	13.50	14.41	0.000468	0.40	4.98	4.80	0.12
1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         40           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         24	the same the particular same	PF 12	2.25	13.22	14.43	13.53 13.55	14.44		0.44	5.22	4.83	0.14
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	8	PF 13	2.50	13.22	14.46	13.00	14,40	0.000017	0.40	0,22	4,00	V.17
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24	^	PF 1	0.10	13.30	13.72	13,37	13.72	0.000333	0.13	0.76	2.29	0.07
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24		PF 2	0.20	13.30	13.82	13.42	13.82	0.000604	0.20	1.01	2.55	0.10
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24		PF 3	0.30	13.30	13.90	13.46	13.90	······································	0.25	1.22	2.75	0.12
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24	CALL COLOR OF COMPANY	PF4	0.40	13.30	13.97	13.49	13.97	0.000963	0.28	1.42	2.92	0.13
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24       1     24		PF 5	0.50	13.30	14.03	13.52	14.03	0.001102	0.31	1.59	3.11	0.14
1     40       1     40       1     40       1     40       1     40       1     40       1     40       1     32       1     24       1     24       1     24	0	PF 6	0.75	13.30	14.15	13.58	14.16	0.001369	0.37	2.01	3.69	0.16
1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24	0	PF 7	1.00	13.30	14.22	13,64	14.23	0.001831	0.44	2,25	3.84	0,19
1     40       1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24	Q	PF 8	1.25	13.30	14.27	13.69	14.28		0.51	2.45	4.03	0.21
1     40       1     40       1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24	0	PF 9	1.60	13.30	14.31	13.74	14.33	0.002745	0,57	2.63	4.63	0.23
1     40       1     32       1     24       1     24       1     24	0	PF 10	1.75	13,30	14.35	13.78	14.37		0.63	2.82		0.25
1     40       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24		PF 11	2.00	13.30	14.38	13.82	14.40		0.68	3.00	MUNUTER STREET, SALAR	0.26
1         32           1         24           1         24           1         24	11.0 Contractions for	PF 12	2.25	13.30	14.41	13.66	14.43		0.73	3.18		0.28
1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24	0	PF 13	2.50	13,30	14,43	13.89	14.46	0.004096	0.78	3.35	14.21	0.29
1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24		OF 4			10.71	10.10	10.70	A 646671			2.70	0.07
1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24		PF 1	0.10	13.28	13.71	13.40	13.72		0.12	0.84		0.09
1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24       1     24		PF2	0.20	13,28	13.82	13.44	13.82		0.18	1.13	and an and an and an an and an an and an an an and an	0.09
1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     32       1     24       1     24       1     24       1     24		PF 3	0.30	13.28	13.90 13.96	13.47	13.90		0.22	1.57		0.11
1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         24           1         24           1         24           1         24	and the second	PF 4	0.40	13.28	13.90	13.00	13.87	the second se	0.25	1,80		0.12
32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         24           1         24           1         24           1         24           1         24		PF 5 PF 6	0.50	13.28	14.02	13.53			0.23	2.27	a cham / rust ( very a cham i a	0.13
1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         32           1         24           1         24           1         24           1         24		PF.7	1.00	13.28	14.20	13.63	14.15		0.40	2.53		0.17
32           1         32           1         32           1         32           1         32           1         32           1         24           1         24           1         24           1         24           1         24           1         24           1         24		PF 8	1.00	13.28	14.25	13.68			0.46	2.77		0.19
1         32           1         32           1         32           1         32           1         32           1         32           1         24           1         24           1         24           1         24           1         24           1         24		PF 9	1.50	13.28	14.29	13.72	14.31		0.51	3.03		0.20
1 32 1 32 1 32 1 24 1 24 1 24 1 24 1 24 1 24 1 24		PF 10	1.75	13.28	14.33	13.76	14.34		0.56	3.38		0.22
1 32 1 32 1 24 1 24 1 24 1 24 1 24 1 24 1 24		PF 11	2.00	13.28	14.36	13.79	14.38		0.60	3.71		0.23
1 32 1 24 1 24 1 24 1 24 1 24 1 24 1 24		PF 12	2.25	13.28	14.39	13.83	14.41		0.64	4.03		0.24
1 24 1 24 1 24 1 24 1 24		PF 13	2.50	13.28		13.86	14,43		0.87	4.33	26.68	0.24
1         24           1         24           1         24           1         24	Navuslaud	S. Salation										
1 24 1 24 1 24	4	PF 1	0.10	13.32	13.71	13.44	13.71		0.16	0.64	Contraction of the second designs	0.10
1 24 1 24	4	PF 2	0.20	13.32	13.81	13.49			0.22	0.92		0.13
1 24	4	PF.3	0.30	13.32	13.89	13.53	13.89		0.26	1.16		0.14
		PF 4	0.40	13.32		13,58			0.29	1.39		0.15
MARKET STOLEN AND STOLEN		PF 5	0.50	13.32	14.01	13.59	the second se		0.31	1.60	1	0.15
<b>(</b> ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	4	PF 6	0.75	13.32		13.65			0.36	2.10		0.16
1 24		PF 7	1.00	13.32		13.71	14.20		0.43	2.34	Suppose and the full the	0.19
1 24		PF 8	1.25	13.32	14.24	13.75			0.49	2.55		0.21
1 24		PF 9	1.50	13.32	14.27	13.80	August Prestantin		0.55	2.80		
1 24 1 24		PF 10 PF 11	1.75	13.32	14.31 14.33	13.83 13.87			0.60	3.10 3.41		0.25

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Eley	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)	(nVs)	(m2)	(m)	Same and the second
1	24	PF 12	2.25	13.32	14.38	13,90	14.38	0.003325	0.68	3.71	16.24	0.27
	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	2.56	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
	18	PF 5	0.50	13.27	14.00		14.01	0.001208	0.32	1.67	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
	16	PF 7	1.00	13 27	14.18		14.19	0.001686	0.45	2.24	4.17	0.19
descention of the	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		14.27	0.002977	0.59	2,56	5.03	0.25
	16	PF 10	1.75	13.27	14.28	2	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
l.	16	PF 12	2.25	13.27	14.32		14.35	0.004607	0.77	3.10	9.96	0.31
l de la company	16	PF 13	2.50	13.27	14.34		14.38	0.005081	0,82	3.32	11.36	0.33
	8	PF1	0.10	13.50	13.70		13,70	0.002695	0.28	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
Ned-Medical	8	PF 3	0.30	13.50	13.86	******	13.87	0.002724	0.36	0.83	2.92	0.22
NEW DOM	8	PF 4	0.40	13,50	13.93		13.94	0.002685	0.39	1.03	3.15	0.22
L. States and	8	PF 5	0.50	13.50	13.98		13.99	0.002648	0.41	1.21	3.34	0.22
	8	PF 6	0.75	13.50	14.10		14.11	0.002330	0.45	1.78	6.54	0.21
	8	PF 7	1.00	13.50	14.15		14.17	0.002852	0.52	2.14	8.01	0.24
1.838.93	8	PF 8	1.25	13,50	14.19	2	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
	8	PF 11	2,00	13.50	14.26	S - 11	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	0.10	13.48	13.00	13.66	13.07	0.005001	0.33	0.31	2.11	0.20
	0	PF 3	0.20	13,48	13.83	13.64	13.84	0.005002	0.41	0.49	2.11	0.27
	0	PF 4	0.30	13,48	13.89	13.64	13.91	0.005002	0.40	0.80	2.41	0.28
Marine Co	0	PF 5	0.40	13.48	13.95	13.07	13.96	0.005007	0.50	0.94	2.54	0.28
NORMAL SAL	0	PF6	0.35	13.48	14.07	13.76	14.09	0.005006	0.55	1.58	11.09	0.20
012002200	0	PF 7	1.00	13,48	14.07	13.81	14.14	0.005008	0.59	2.22	15.36	0.29
100-000 100-000	0	PF 8	1.00	13,45	14.12	13.81	14.17	0.005003	0.61	2.83	18.52	0.29
	0	PFO	1.23	13.48		13,00	14.17	0.005007	0.61	3.41	21.09	0.28
And the second s	0	PF 10	1.50	13.48	14.19	13.90	14.20	0.005005	0.63	3.41	21.09	0.30
- Anteriora de la	0	PF 10 PF 11	2.00	13.45	19.21	13.94	14.23	0.005002	0.65	4.36	22.24	0.30
	0	PF 11	2.00	13.48	14.23	13.88	14.25	0.005007	0.66	4.30	22.28	0.30
	0	PF 12 PF 13	2.25	13.48	14.20	14.13	14.28	0.005005	0.67	4.77	22.33	0.30
# OUTLET C - HEC-RAS MODEL FILES















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
	E MAN SHAR	12011/060/EBM	(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	の中の目的ない
	62	2Yr	5.40	11.68	12.64	12.25	12.74	0.001956	1.38	3.91	4.10	0.45
	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
		AND DECK						1		100 A		
	60	211	5,40	11.60	12.65	12.15	12.73	0.001419	1.23	4.41	4.20	0.38
9899 S.	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	0.43
(A) SHOULD	60	PMP	71.00	11.60	14.85	14.85	15.47	0.005678	3.92	29.80	24.50	0.7
		Marga and		1				1				
UE\$5063	50	Series and	Culvert	1							-	
					1			A support of the second second				
No.	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
ACTIVITY OF	40	PMP	71.00	11.43	14.87	14.37	15.23	0.001523	3.18	43.76	24.50	0.5
		NAMES OF STREET		1							1	
	30	2Yr	5.40	11.40	12.55	12.13	12.65	0.001272	1.43	3,79	4.08	0.4
	30	20Yr	10.30	11.40	12.99	12.48	13.15	0.001425	1.81	5.81	6.63	0.5
	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	0.78
	i Shalanna						1					
de la suite	20	2Yr	5.40	11.36	12.43	12.25	12.63	0.002938	1.95	2.77	3.66	0.7
	20	2011	10,30	11.38	12.86	12.63	13.12	0.002896	2.29	4.50	4.62	0.73
Saugali.	20	100Yr	13.40	11.36	13.05	12.82	13.36	0.002696	2.48	5.76	8.43	0.73
	20	PMP	71.00	11.36	14.55	14.50	15.15	0.002464	4.09	36,31	24.50	0.80
	6	Section and						+				
2022	10	2Yr	5.40	11.35	12.37	12.24	12.60	0.003568	2.09	2.58	3.54	0.76
	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	\$3.33	0.003158	2.61	5.38	7.81	0.74
Designed.	10	PMP	71.00	11.35	14.57	14.39	15.11	0.002244	3.92	38.32	24,50	0.76
								1				and the second se
20000100	0	2Yr	5.40	11.33	12.22	12.22	12.55	0.005941	2.52	2.14	3.30	1.00
1012025010	0	20Yr	10.30	11.33	12.60	12.60	13.03	0.005548	2.91	3.54	4.07	1.00
	0	100Yr	13.40	11.33	12.79	12.79	13.27	0.005391	3.08	4.35	4.45	1.00
2-20-00	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.

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

Table C1 - MUSIC Model	Potential Evapotrans	piration (PET) Data

### Input parameters

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

		Storm Flow						Base Flow						
	Tot Suspe Soli	ended	To Phosp		Total N	itrogen	Tot Suspe Soli	ended	Tot Phosp		Total Nit	trogen		
Land Use	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD		
	(all values expressed as log <sub>10</sub> 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		

Table C2 - MUSIC Model MUSIC Model Pollutant Load Parameters

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

	Units	Urban	Road	Roofs
Impervious Area Parameters		1	1	
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

#### Table C4 - MUSIC Model Rainfall-Runoff Parameters

Appendix D

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



TUFLOW/Grid Size 5m

Dates GOAG4

Projectori MOA58

HYDERADJUSTED RAFTS CATCHNENT

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Notes

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Figure No

TI1



Anzac Creek RAFTS Model Layout

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

\* ##### RUNTIME RESULTS ##### Max. no. of links allowed = 1500 Max. no. of routng increments allowed = 250000 Max. no. of rating curve points = 250000 Max. no. of storm temporal points = 250000 Max. no. of channel subreaches = 25 Max link stack level = 50 Input Version number = 800 1.000 LINK S1.0 51.09 ESTIMATED VOLUME (CU METRES\*10\*\*3) = ESTIMATED PEAK FLOW (CUMECS) =5.6 ESTIMATED TIME TO PEAK (MINS) =26.00 LINK S3.0 1.000 ESTIMATED VOLUME (CU METRES\*10\*\*3) = 5.074 ESTIMATED PEAK FLOW (CUMECS) =4.0 ESTIMATED TIME TO PEAK (MINS) =15.00 1.000 LINK D1 ESTIMATED VOLUME (CU METRES\*10\*\*3) = 56.14 ESTIMATED PEAK FLOW (CUMECS) =7.0 ESTIMATED TIME TO PEAK 30.00 (MINS) =LINK S2.0 1.000 ESTIMATED VOLUME (CU METRES\*10\*\*3) = 6.864 ESTIMATED PEAK FLOW (CUMECS) =0.43 ESTIMATED TIME TO PEAK (MINS) =26.00 LINK B 1.000 ESTIMATED VOLUME (CU METRES\*10\*\*3) = 8.645 ESTIMATED PEAK FLOW (CUMECS) =5.1 ESTIMATED TIME TO PEAK (MINS) =15.00 LINK B1 1.000 ESTIMATED VOLUME (CU METRES\*10\*\*3) = 0.2985 ESTIMATED PEAK FLOW (CUMECS) =0.61E-01 ESTIMATED TIME TO PEAK (MINS) =26.00 LINK S2.1 1.000

ESTIMATED ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	28.81 6.8 15.00
	1.0		
ESTIMATED ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	7.539 5.9 15.00
LINK S1.1	1.0	00	
ESTIMATED ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	7.297 0.46 26.00
LINK D2	1.0	00	
ESTIMATED ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	99.76 15. 15.00
LINK S5.0	1.0	00	
ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	(CUMECS) = (MINS) =	4.771 3.8 15.00
LINK D3	1.0	00	
ESTIMATED ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	104.4 16. 22.00
LINK S1.2	1.0	00	
ESTIMATED ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	(CUMECS) = (MINS) =	11.55 1.1 26.00
LINK S7.0	1.0	00	
ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	(CUMECS) =	53.08 41. 15.00
LINK D4	1.0	00	
ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	169.0 53. 16.00
LINK S9.0	1.0	00	
ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	2.970 2.4 15.00
LINK A	1.0	00	
ESTIMATED	VOLUME (CU METRE PEAK FLOW TIME TO PEAK	S*10**3) = (CUMECS) = (MINS) =	10.27 8.0 15.00
LINK S6.0	1.0	00	
	VOLUME (CU METRE		18.38
ESTIMATED	PEAK FLOW TIME TO PEAK	(CUMECS) = (MINS) =	9.1 15.00

LINK D5	1.00	00	
ESTIMATED PEA ESTIMATED TIM		(CUMECS) = (MINS) =	190.3 59. 18.00
LINK S10.0	1.00	00	
ESTIMATED VOL ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	S*10**3) = (CUMECS) = (MINS) =	3.482 0.42 26.00
LINK 58.0	1.00	00	
ESTIMATED PEA ESTIMATED TIM		(CUMECS) = (MINS) =	16.26 13. 15.00
LINK S8.1	1.00	00	
ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	(CUMECS) = (MINS) =	20.02 16. 15.00
LINK D6	1.00	00	
ESTIMATED VOL ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	S*10**3) = (CUMECS) = (MINS) =	213.7 72. 20.00
LINK S12.0	1.00	00	
		5*10**3) = (CUMECS) = (MINS) =	10.58 8.3 15.00
	1.00		
	UME (CU METRES K FLOW E TO PEAK		5.460 4.3 15.00
LINK D7	1.00	00	
ESTIMATED VOL ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	S*10**3) = (CUMECS) = (MINS) =	229.5 76. 26.00
LINK 513.0	1.00	00	
ESTIMATED VOL	UME (CU METRES K FLOW	5*10**3) = (CUMECS) = (MINS) =	33.99 27. 15.00
LINK S14.0	1.00	00	
ESTIMATED VOL ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	5*10**3) = (CUMECS) = (MINS) =	1.790 2.0 14.00
LINK 514.1	1.00	00	
ESTIMATED VOL ESTIMATED PEA ESTIMATED TIM	UME (CU METRES K FLOW E TO PEAK	S*10**3) = (CUMECS) = (MINS) =	4.452 4.1 15.00
LINK D8	1.00	00	
ESTIMATED VOL	UME (CU METRES K FLOW	5*10**3) = (CUMECS) =	267.8 80.