

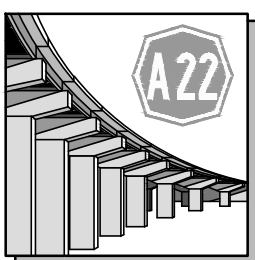

**ORDINE DEGLI INGEGNERI  
DELLA PROV. DI TRENTO**  
**dott.ing. ROBERTO BOSETTI**  
INSCRIZIONE ALBO N° 1027

IL RESPONSABILE DEL PROCEDIMENTO  
*dott. ing. Roberto Bosetti*

# autostrada del brennero

PROGETTO DEFINITIVO PER LA REALIZZAZIONE  
DELLA TERZA CORSIA NEL TRATTO COMPRESO  
TRA VERONA NORD (KM 223) E L'INTERSEZIONE  
CON L'AUTOSTRADA A1 (KM 314)

<b>E.9</b>	<b>STUDI SPECIALISTICI</b>
2.1.	ALLARGAMENTO PONTI SUL FIUME MINCIO E SUL CANALE FISSERO - TARTARO - CANALBIANCO: STUDIO IDRAULICO Allegati Report modello idraulico in fase di cantiere

0	MAR. 2021	EMISSIONE	EOS	G. VOGEL	C. COSTA
REVISIONE:	DATA:	DESCRIZIONE:	REDAZIONE:	VERIFICA:	APPROVAZIONE:
DATA PROGETTO: LUGLIO 2009			<b>DIREZIONE TECNICA GENERALE</b>		<b>IL DIRETTORE TECNICO GENERALE E PROGETTISTA:</b> 
NUMERO PROGETTO: 31/09					

HEC-RAS Plan: Plan 03 River: River\_Mincio Reach: Fissero Profile: max

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fissero	15221.1	max	200.00	9.70	23.13	11.78	23.13	0.000000	0.10	2783.54	325.32	0.01
Fissero	15112.7*	max	200.00	9.62	23.13	11.71	23.13	0.000000	0.10	2692.67	313.72	0.01
Fissero	15004.3*	max	200.00	9.55	23.13	11.63	23.13	0.000001	0.11	2601.70	302.13	0.01
Fissero	14896.*	max	200.00	9.47	23.13	11.56	23.13	0.000001	0.11	2510.52	290.52	0.01
Fissero	14787.6*	max	200.00	9.39	23.13	11.48	23.13	0.000001	0.11	2419.16	278.94	0.01
Fissero	14679.2*	max	200.00	9.31	23.13	11.40	23.13	0.000001	0.12	2327.61	267.36	0.01
Fissero	14570.8*	max	200.00	9.24	23.13	11.32	23.13	0.000001	0.12	2235.92	255.77	0.01
Fissero	14462.5*	max	200.00	9.16	23.13	11.23	23.13	0.000001	0.12	2144.06	244.18	0.01
Fissero	14354.1*	max	200.00	9.08	23.13	11.15	23.13	0.000001	0.13	2052.04	232.60	0.01
Fissero	14245.7*	max	200.00	9.00	23.13	11.06	23.13	0.000001	0.13	1959.80	221.02	0.01
Fissero	14137.4*	max	200.00	8.92	23.13	10.96	23.13	0.000001	0.14	1867.40	209.43	0.01
Fissero	14029.0*	max	200.00	8.84	23.13	10.87	23.13	0.000001	0.15	1774.84	197.86	0.01
Fissero	13920.6*	max	200.00	8.77	23.13	10.77	23.13	0.000001	0.15	1682.10	186.28	0.01
Fissero	13812.3*	max	200.00	8.69	23.13	10.68	23.13	0.000001	0.16	1589.18	174.70	0.01
Fissero	13703.9*	max	200.00	8.61	23.13	10.58	23.13	0.000001	0.17	1496.08	163.13	0.01
Fissero	13595.5*	max	200.00	8.53	23.13	10.48	23.13	0.000001	0.17	1402.82	151.55	0.02
Fissero	13487.22	max	200.00	8.46	23.13	10.38	23.13	0.000001	0.18	1309.39	139.98	0.02
Fissero	13471.63	max	200.00	8.40	23.13	10.33	23.13	0.000001	0.18	1332.38	141.78	0.02
Fissero	13440.45	max	200.00	8.16	23.13	10.42	23.13	0.000002	0.22	1188.64	150.80	0.02
Fissero	13424.86	max	200.00	8.43	23.13	10.70	23.13	0.000002	0.22	1147.63	148.44	0.02
Fissero	13400		Bridge									
Fissero	13383.29	max	200.00	8.43	23.13	10.70	23.13	0.000002	0.22	1147.59	148.43	0.02
Fissero	13372.9	max	200.00	8.76	23.13	11.03	23.13	0.000003	0.23	1098.32	146.69	0.02
Fissero	13341.72	max	200.00	8.80	23.13	10.47	23.13	0.000001	0.17	1451.81	153.80	0.02
Fissero	13326.13	max	200.00	8.52	23.13	10.35	23.13	0.000001	0.17	1450.68	154.80	0.01
Fissero	13310.54	max	200.00	8.68	23.13	10.65	23.13	0.000001	0.18	1354.18	147.89	0.02
Fissero	13213.0*	max	200.00	8.72	23.13	10.81	23.13	0.000001	0.18	1371.49	150.78	0.02
Fissero	13115.4*	max	200.00	8.77	23.13	10.94	23.13	0.000001	0.18	1389.90	153.56	0.02
Fissero	13017.9*	max	200.00	8.82	23.13	11.05	23.13	0.000001	0.18	1409.42	156.16	0.02
Fissero	12920.4*	max	200.00	8.86	23.13	11.13	23.13	0.000001	0.17	1430.03	158.41	0.02
Fissero	12822.9*	max	200.00	8.91	23.13	11.19	23.13	0.000001	0.17	1451.92	159.92	0.02
Fissero	12725.4*	max	200.00	8.96	23.13	11.22	23.13	0.000001	0.17	1475.24	161.23	0.02
Fissero	12627.88	max	200.00	9.00	23.13	11.23	23.13	0.000001	0.17	1499.91	163.36	0.02
Fissero	12533.2*	max	200.00	9.00	23.13	11.24	23.13	0.000001	0.17	1470.87	160.01	0.02
Fissero	12438.5*	max	200.00	8.99	23.13	11.25	23.13	0.000001	0.17	1442.08	156.65	0.02
Fissero	12343.9*	max	200.00	8.99	23.13	11.26	23.13	0.000001	0.17	1413.55	153.29	0.02
Fissero	12249.2*	max	200.00	8.98	23.13	11.27	23.13	0.000001	0.18	1385.26	149.92	0.02
Fissero	12154.6*	max	200.00	8.98	23.13	11.27	23.13	0.000001	0.18	1357.25	146.55	0.02
Fissero	12060.*	max	200.00	8.97	23.13	11.28	23.13	0.000001	0.18	1329.49	143.16	0.02
Fissero	11965.3*	max	200.00	8.97	23.13	11.29	23.13	0.000002	0.19	1301.95	139.77	0.02
Fissero	11870.7*	max	200.00	8.96	23.13	11.29	23.13	0.000002	0.19	1274.70	136.38	0.02
Fissero	11776.0*	max	200.00	8.96	23.13	11.29	23.13	0.000002	0.19	1247.70	132.96	0.02
Fissero	11681.4*	max	200.00	8.95	23.13	11.29	23.13	0.000002	0.20	1220.93	129.53	0.02
Fissero	11586.7*	max	200.00	8.94	23.13	11.29	23.13	0.000002	0.20	1194.46	126.08	0.02
Fissero	11492.1*	max	200.00	8.94	23.13	11.28	23.13	0.000002	0.20	1168.22	122.60	0.02
Fissero	11397.4*	max	200.00	8.93	23.13	11.26	23.13	0.000002	0.21	1142.23	119.13	0.02
Fissero	11302.8*	max	200.00	8.93	23.13	11.24	23.13	0.000002	0.21	1116.53	115.63	0.02
Fissero	11208.1*	max	200.00	8.92	23.13	11.22	23.13	0.000002	0.21	1091.08	112.13	0.02
Fissero	11113.5*	max	200.00	8.92	23.13	11.19	23.13	0.000002	0.22	1065.89	108.73	0.02
Fissero	11018.8*	max	200.00	8.91	23.12	11.17	23.13	0.000002	0.22	1040.94	105.33	0.02
Fissero	10924.2*	max	200.00	8.91	23.12	11.14	23.13	0.000002	0.22	1016.26	101.93	0.02
Fissero	10829.59	max	200.00	8.90	23.12	11.10	23.13	0.000002	0.23	991.85	98.54	0.02
Fissero	10737.4*	max	200.00	8.88	23.12	11.14	23.13	0.000002	0.22	1038.83	110.18	0.02
Fissero	10645.2*	max	200.00	8.86	23.12	11.17	23.13	0.000002	0.22	1090.66	123.81	0.02
Fissero	10553.1*	max	200.00	8.83	23.12	11.15	23.13	0.000002	0.21	1147.13	136.00	0.02
Fissero	10460.9*	max	200.00	8.81	23.12	11.16	23.13	0.000002	0.21	1208.04	148.23	0.02
Fissero	10368.8*	max	200.00	8.79	23.12	11.17	23.13	0.000002	0.20	1273.41	160.15	0.02
Fissero	10276.6*	max	200.00	8.77	23.12	11.16	23.13	0.000002	0.19	1343.16	171.91	0.02
Fissero	10184.5*	max	200.00	8.74	23.12	11.14	23.12	0.000002	0.19	1417.27	183.55	0.02
Fissero	10092.3*	max	200.00	8.72	23.12	11.13	23.12	0.000001	0.18	1495.81	195.13	0.02
Fissero	10000.2*	max	200.00	8.70	23.12	11.12	23.12	0.000001	0.17	1578.71	206.65	0.02
Fissero	9908.05*	max	200.00	8.68	23.12	11.10	23.12	0.000001	0.17	1666.01	218.15	0.02
Fissero	9815.89*	max	200.00	8.65	23.12	11.08	23.12	0.000001	0.16	1757.66	229.61	0.01
Fissero	9723.74*	max	200.00	8.63	23.12	11.06	23.12	0.000001	0.15	1853.69	241.05	0.01
Fissero	9631.59*	max	200.00	8.61	23.12	11.05	23.12	0.000001	0.15	1954.07	252.48	0.01
Fissero	9539.43*	max	200.00	8.58	23.12	11.03	23.12	0.000001	0.14	2058.91	263.90	0.01
Fissero	9447.28*	max	200.00	8.56	23.12	11.00	23.12	0.000001	0.13	2168.06	275.30	0.01
Fissero	9355.12*	max	200.00	8.54	23.12	10.98	23.12	0.000001	0.13	2281.64	286.70	0.01
Fissero	9262.97*	max	200.00	8.52	23.12	10.95	23.12	0.000001	0.12	2399.52	298.08	0.01
Fissero	9170.82*	max	200.00	8.50	23.12	10.93	23.12	0.000001	0.12	2521.83	309.47	0.01
Fissero	9078.66*	max	200.00	8.47	23.12	10.90	23.12	0.000001	0.11	2648.52	320.85	0.01
Fissero	8986.51*	max	200.00	8.45	23.12	10.87	23.12	0.000001	0.11	2779.56	332.22	0.01
Fissero	8894.36*	max	200.00	8.43	23.12	10.84	23.12	0.000001	0.10	2914.99	343.58	0.01
Fissero	8802.206	max	200.00	8.40	23.12	10.81	23.12	0.000000	0.10	3054.80	354.95	0.01
Fissero	8707.07*	max	200.00	8.41	23.12	10.84	23.12	0.000001	0.10	2950.57	345.69	0.01
Fissero	8611.93*	max	200.00	8.41	23.12	10.88	23.12	0.000001	0.10	2848.11	336.42	0.01
Fissero	8516.80*	max	200.00	8.42	23.12	10.91	23.12	0.000001	0.11	2747.54	327.16	0.01
Fissero	8421.66*	max	200.00	8.42	23.12	10.94	23.12	0.000001	0.11	2648.82	317.91	0.01
Fissero	8326.53*	max	200.00	8.43	23.12	10.97	23.12	0.000001	0.11	2551.86	308.71	0.01
Fissero	8231.39*	max	200.00	8.43	23.12	11.00	23.12	0.000001	0.12	2456.76	299.49	0.01
Fissero	8136.26*	max	200.00	8.43	23.12	11.04	23.12	0.000001	0.12	2363.51	290.26	0.01
Fissero	8041.12*	max	200.00	8.44	23.12	11.07	23.12	0.000001	0.13	2271.99	281.03	0.01
Fissero	7945.98*	max	200.00	8.44	23.12	11.10	23.12	0.000001	0.13	2182.39	271.79	0.01

HEC-RAS Plan: Plan 03 River: River\_Mincio Reach: Fissero Profile: max (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fissero	7850.85*	max	200.00	8.45	23.12	11.14	23.12	0.000001	0.14	2094.56	262.53	0.01
Fissero	7755.71*	max	200.00	8.45	23.12	11.17	23.12	0.000001	0.14	2008.55	253.27	0.01
Fissero	7660.58*	max	200.00	8.46	23.12	11.20	23.12	0.000001	0.15	1924.39	243.99	0.01
Fissero	7565.44*	max	200.00	8.46	23.12	11.24	23.12	0.000001	0.16	1842.05	234.71	0.01
Fissero	7470.31*	max	200.00	8.46	23.12	11.27	23.12	0.000001	0.16	1761.50	225.42	0.01
Fissero	7375.17*	max	200.00	8.47	23.12	11.31	23.12	0.000001	0.17	1682.82	216.12	0.02
Fissero	7280.04*	max	200.00	8.47	23.12	11.34	23.12	0.000001	0.17	1605.91	206.81	0.02
Fissero	7184.90*	max	200.00	8.48	23.12	11.38	23.12	0.000002	0.18	1530.83	197.49	0.02
Fissero	7089.77*	max	200.00	8.48	23.12	11.41	23.12	0.000002	0.19	1457.62	188.17	0.02
Fissero	6994.63*	max	200.00	8.49	23.12	11.45	23.12	0.000002	0.20	1386.21	178.83	0.02
Fissero	6899.50*	max	200.00	8.49	23.12	11.48	23.12	0.000002	0.21	1316.58	169.49	0.02
Fissero	6804.36*	max	200.00	8.50	23.12	11.52	23.12	0.000002	0.21	1248.84	160.14	0.02
Fissero	6709.23*	max	200.00	8.50	23.12	11.56	23.12	0.000002	0.22	1182.88	150.77	0.02
Fissero	6614.096	max	200.00	8.50	23.12	11.59	23.12	0.000003	0.24	1118.74	141.38	0.02
Fissero	6516.62*	max	200.00	8.50	23.12	11.58	23.12	0.000003	0.24	1100.38	139.31	0.02
Fissero	6419.15*	max	200.00	8.50	23.12	11.56	23.12	0.000003	0.24	1082.40	137.24	0.02
Fissero	6321.68*	max	200.00	8.50	23.12	11.55	23.12	0.000003	0.25	1064.88	135.17	0.02
Fissero	6224.21*	max	200.00	8.50	23.12	11.53	23.12	0.000003	0.25	1047.77	133.10	0.02
Fissero	6126.74*	max	200.00	8.50	23.12	11.52	23.12	0.000003	0.25	1031.07	131.03	0.02
Fissero	6029.27*	max	200.00	8.50	23.12	11.50	23.12	0.000003	0.25	1014.80	128.96	0.02
Fissero	5931.8*	max	200.00	8.50	23.12	11.48	23.12	0.000003	0.26	998.94	126.90	0.02
Fissero	5834.33*	max	200.00	8.50	23.12	11.46	23.12	0.000003	0.26	983.50	124.83	0.02
Fissero	5736.85*	max	200.00	8.50	23.11	11.44	23.12	0.000003	0.26	968.49	122.93	0.02
Fissero	5639.38*	max	200.00	8.50	23.11	11.42	23.12	0.000003	0.27	953.90	121.02	0.02
Fissero	5541.91*	max	200.00	8.50	23.11	11.40	23.12	0.000003	0.27	939.74	119.08	0.02
Fissero	5444.44*	max	200.00	8.50	23.11	11.37	23.12	0.000003	0.27	926.00	117.11	0.02
Fissero	5346.97*	max	200.00	8.50	23.11	11.35	23.12	0.000003	0.27	912.70	115.10	0.02
Fissero	5249.50*	max	200.00	8.50	23.11	11.32	23.12	0.000003	0.27	899.80	113.08	0.02
Fissero	5152.03*	max	200.00	8.50	23.11	11.30	23.12	0.000004	0.28	887.32	111.02	0.03
Fissero	5054.56*	max	200.00	8.50	23.11	11.27	23.12	0.000004	0.28	875.26	108.95	0.03
Fissero	4957.09*	max	200.00	8.50	23.11	11.25	23.11	0.000004	0.28	863.63	106.87	0.03
Fissero	4859.62*	max	200.00	8.50	23.11	11.22	23.11	0.000004	0.28	852.42	104.76	0.03
Fissero	4762.15*	max	200.00	8.50	23.11	11.19	23.11	0.000004	0.28	841.64	102.63	0.03
Fissero	4664.68*	max	200.00	8.50	23.11	11.16	23.11	0.000004	0.28	831.27	100.47	0.03
Fissero	4567.20*	max	200.00	8.50	23.11	11.13	23.11	0.000004	0.29	821.33	98.28	0.03
Fissero	4469.73*	max	200.00	8.50	23.11	11.11	23.11	0.000004	0.29	811.83	96.03	0.03
Fissero	4372.26*	max	200.00	8.50	23.11	11.07	23.11	0.000004	0.29	802.74	93.70	0.03
Fissero	4274.79*	max	200.00	8.50	23.11	11.04	23.11	0.000004	0.29	794.12	91.19	0.03
Fissero	4177.32*	max	200.00	8.50	23.11	11.01	23.11	0.000004	0.29	785.98	88.83	0.03
Fissero	4079.855	max	200.00	8.50	23.11	10.98	23.11	0.000004	0.29	778.26	86.75	0.03
Fissero	4033.567	max	200.00	8.80	23.11	11.16	23.11	0.000005	0.35	714.08	77.25	0.03
Fissero	3996.419	max	200.00	8.20	23.11	10.56	23.11	0.000003	0.29	794.71	77.64	0.03
Fissero	3986.408	max	200.00	7.80	23.11	9.99	23.11	0.000003	0.27	846.39	80.06	0.02
Fissero	3970		Bridge									
Fissero	3951.368	max	200.00	7.90	23.11	10.43	23.11	0.000003	0.26	855.46	83.76	0.02
Fissero	3929.166	max	200.00	8.00	23.11	10.66	23.11	0.000004	0.32	796.40	84.13	0.03
Fissero	3881.494	max	200.00	8.10	23.11	11.21	23.11	0.000005	0.35	763.80	86.11	0.03
Fissero	3818.36*	max	200.00	8.08	23.11	10.87	23.11	0.000003	0.23	1032.51	109.18	0.02
Fissero	3755.23*	max	200.00	8.05	23.11	10.66	23.11	0.000002	0.18	1290.28	132.98	0.02
Fissero	3692.10*	max	200.00	8.02	23.11	10.56	23.11	0.000001	0.14	1537.21	156.59	0.01
Fissero	3628.98*	max	200.00	7.99	23.11	10.50	23.11	0.000001	0.12	1773.23	179.84	0.01
Fissero	3565.85*	max	200.00	7.96	23.11	10.48	23.11	0.000001	0.11	1998.30	202.96	0.01
Fissero	3502.72*	max	200.00	7.93	23.11	10.45	23.11	0.000001	0.10	2212.37	225.91	0.01
Fissero	3439.594	max	200.00	7.90	23.11	10.42	23.11	0.000000	0.09	2415.49	248.74	0.01
Fissero	3382.762	max	200.00	13.79	23.11	15.17	23.11	0.000001	0.09	2217.34	281.53	0.01
Fissero	3327.53*	max	200.00	12.93	23.11	14.16	23.11	0.000001	0.11	1920.11	238.62	0.01
Fissero	3272.30*	max	200.00	11.62	23.11	13.15	23.11	0.000001	0.13	1622.15	195.44	0.01
Fissero	3217.07*	max	200.00	10.31	23.11	12.16	23.11	0.000002	0.16	1323.51	152.39	0.02
Fissero	3161.845	max	200.00	9.00	23.10	11.19	23.11	0.000002	0.22	1024.18	109.33	0.02
Fissero	3130		Inl Struct									
Fissero	3081.44*	max	200.00	9.27	23.09	10.96	23.09	0.000001	0.15	1440.60	146.67	0.01
Fissero	3001.04*	max	200.00	9.53	23.09	10.84	23.09	0.000001	0.12	1866.05	183.64	0.01
Fissero	2920.64*	max	200.00	9.79	23.09	10.76	23.09	0.000000	0.09	2298.96	218.62	0.01
Fissero	2840.247	max	200.00	10.06	23.09	10.65	23.09	0.000000	0.08	2739.88	250.48	0.01
Fissero	2738.67*	max	200.00	10.06	23.09	10.94	23.09	0.000000	0.08	2671.56	263.80	0.01
Fissero	2637.10*	max	200.00	10.06	23.09	11.03	23.09	0.000000	0.08	2615.29	277.11	0.01
Fissero	2535.52*	max	200.00	10.07	23.09	11.12	23.09	0.000000	0.08	2571.05	290.50	0.01
Fissero	2433.95*	max	200.00	10.07	23.09	11.21	23.09	0.000000	0.08	2538.83	303.88	0.01
Fissero	2332.38*	max	200.00	10.08	23.09	11.32	23.09	0.000000	0.08	2518.63	317.26	0.01
Fissero	2230.80*	max	200.00	10.08	23.09	11.46	23.09	0.000000	0.08	2510.53	330.60	0.01
Fissero	2129.236	max	200.00	10.08	23.09	11.64	23.09	0.000001	0.08	2514.52	343.76	0.01
Fissero	2108.47*	max	200.00	10.09	23.09	11.64	23.09	0.000001	0.07	2800.04	400.07	0.01
Fissero	2087.71*	max	200.00	10.09	23.09	11.63	23.09	0.000000	0.07	3108.71	456.47	0.01
Fissero	2066.95*	max	200.00	10.08	23.09	11.63	23.09	0.000000	0.06	3440.71	513.11	0.01
Fissero	2046.19*	max	200.00	10.08	23.09	11.62	23.09	0.000000	0.05	3795.82	569.36	0.01
Fissero	2025.42*	max	200.00	10.07	23.09	11.64	23.09	0.000000	0.05	4174.23	625.43	0.01
Fissero	2004.66*	max	200.00	10.07	23.09	11.65	23.09	0.000000	0.04	4575.66	681.38	0.01
Fissero	1983.90*	max	200.00	10.07	23.09	11.50	23.09	0.000000	0.04	5000.24	737.25	0.00
Fissero	1963.14*	max	200.00	9.81	23.09	11.16	23.09	0.000000	0.04	5447.61	793.09	0.00
Fissero	1942.38*	max	200.00	9.26	23.09	10.77	23.09	0.000000	0.03	5918.15	848.92	0.00
Fissero	1921.62*	max	200.00	8.70	23.09	10.35	23.09	0.000000	0.03	6411.97	905.15	0.00
Fissero	1900.86*	max	200.00	8.16	23.09	9.74	23.09	0.000000	0.03	6928.62	961.47	0.00
Fissero	1880.1*	max	200.00	7.60	23.09	9.13	23.09	0.000000	0.03	7468.63	1018.29	0.00

HEC-RAS Plan: Plan 03 River: River\_Mincio Reach: Fissero Profile: max (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fissero	1859.33*	max	200.00	7.05	23.09	8.52	23.09	0.000000	0.03	8031.51	1073.80	0.00
Fissero	1838.57*	max	200.00	6.49	23.09	7.91	23.09	0.000000	0.02	8617.48	1129.34	0.00
Fissero	1817.81*	max	200.00	5.93	23.09	7.30	23.09	0.000000	0.02	9226.76	1184.89	0.00
Fissero	1797.05*	max	200.00	5.38	23.09	6.69	23.09	0.000000	0.02	9858.89	1240.43	0.00
Fissero	1776.29*	max	200.00	4.83	23.09	6.07	23.09	0.000000	0.02	10513.89	1295.96	0.00
Fissero	1755.53*	max	200.00	4.27	23.09	5.46	23.09	0.000000	0.02	11192.46	1351.49	0.00
Fissero	1734.77*	max	200.00	3.70	23.09	4.85	23.09	0.000000	0.02	11893.63	1407.01	0.00
Fissero	1714.009	max	200.00	3.10	23.09	4.24	23.09	0.000000	0.02	12618.15	1462.53	0.00
Fissero	1672.31*	max	200.00	3.23	23.09	4.38	23.09	0.000000	0.02	12433.23	1432.80	0.00
Fissero	1630.61*	max	200.00	3.36	23.09	4.52	23.09	0.000000	0.02	12243.77	1403.08	0.00
Fissero	1588.91*	max	200.00	3.49	23.09	4.68	23.09	0.000000	0.02	12049.99	1373.24	0.00
Fissero	1547.21*	max	200.00	3.62	23.09	4.85	23.09	0.000000	0.02	11851.59	1343.47	0.00
Fissero	1505.51*	max	200.00	3.75	23.09	5.01	23.09	0.000000	0.02	11649.08	1313.70	0.00
Fissero	1463.81*	max	200.00	3.88	23.09	5.19	23.09	0.000000	0.02	11442.42	1283.93	0.00
Fissero	1422.12*	max	200.00	4.01	23.09	5.37	23.09	0.000000	0.02	11231.46	1254.16	0.00
Fissero	1380.42*	max	200.00	4.13	23.09	5.55	23.09	0.000000	0.02	11016.11	1224.39	0.00
Fissero	1338.72*	max	200.00	4.26	23.09	5.73	23.09	0.000000	0.02	10796.32	1194.62	0.00
Fissero	1297.02*	max	200.00	4.39	23.09	5.92	23.09	0.000000	0.02	10572.14	1164.86	0.00
Fissero	1255.32*	max	200.00	4.52	23.09	6.09	23.09	0.000000	0.02	10343.49	1135.09	0.00
Fissero	1213.62*	max	200.00	4.65	23.09	6.22	23.09	0.000000	0.02	10110.99	1105.32	0.00
Fissero	1171.93*	max	200.00	4.78	23.09	6.30	23.09	0.000000	0.02	9873.86	1075.55	0.00
Fissero	1130.23*	max	200.00	4.91	23.09	6.43	23.09	0.000000	0.02	9632.54	1045.78	0.00
Fissero	1088.53*	max	200.00	5.03	23.09	6.56	23.09	0.000000	0.02	9386.82	1016.02	0.00
Fissero	1046.83*	max	200.00	5.16	23.09	6.63	23.09	0.000000	0.02	9136.70	986.25	0.00
Fissero	1005.136	max	200.00	5.29	23.09	6.72	23.09	0.000000	0.02	8882.07	956.48	0.00
Fissero	898.356*	max	200.00	5.04	23.09	6.51	23.09	0.000000	0.02	8852.59	932.53	0.00
Fissero	791.576*	max	200.00	4.79	23.09	6.26	23.09	0.000000	0.02	8855.70	908.57	0.00
Fissero	684.797*	max	200.00	4.54	23.09	5.94	23.09	0.000000	0.02	8891.65	884.60	0.00
Fissero	578.017*	max	200.00	4.28	23.09	5.65	23.09	0.000000	0.02	8960.44	860.61	0.00
Fissero	471.237*	max	200.00	4.03	23.09	5.37	23.09	0.000000	0.02	9062.08	836.56	0.00
Fissero	364.458*	max	200.00	3.78	23.09	5.08	23.09	0.000000	0.02	9196.51	812.30	0.00
Fissero	257.678*	max	200.00	3.53	23.09	4.79	23.09	0.000000	0.02	9364.79	780.53	0.00
Fissero	150.899	max	200.00	3.27	23.09	4.46	23.09	0.000000	0.02	9565.80	758.26	0.00

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	12	PF 1	30.00	8.91	12.64		12.65	0.000011	0.20	151.78	62.86	0.04
A22	11.9870*	PF 1	30.00	8.91	12.64		12.65	0.000011	0.20	151.85	62.85	0.04
A22	11.9740*	PF 1	30.00	8.91	12.64		12.65	0.000011	0.20	151.90	62.83	0.04
A22	11.9610*	PF 1	30.00	8.91	12.64		12.65	0.000011	0.20	151.92	62.81	0.04
A22	11.9480*	PF 1	30.00	8.90	12.64		12.65	0.000011	0.20	151.96	62.79	0.04
A22	11.9350*	PF 1	30.00	8.90	12.64		12.64	0.000011	0.20	152.02	62.78	0.04
A22	11.9220*	PF 1	30.00	8.90	12.64		12.64	0.000011	0.20	152.08	62.76	0.04
A22	11.9090*	PF 1	30.00	8.90	12.64		12.64	0.000011	0.20	152.13	62.74	0.04
A22	11.8961*	PF 1	30.00	8.90	12.64		12.64	0.000011	0.20	152.19	62.72	0.04
A22	11.8831*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.20	62.71	0.04
A22	11.8701*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.25	62.69	0.04
A22	11.8571*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.31	62.67	0.04
A22	11.8441*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.37	62.65	0.04
A22	11.8311*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.43	62.63	0.04
A22	11.8181*	PF 1	30.00	8.89	12.64		12.64	0.000011	0.20	152.43	62.62	0.04
A22	11.8051*	PF 1	30.00	8.88	12.64		12.64	0.000011	0.20	152.49	62.60	0.04
A22	11.7922*	PF 1	30.00	8.88	12.64		12.64	0.000011	0.20	152.55	62.58	0.04
A22	11.7792*	PF 1	30.00	8.88	12.64		12.64	0.000011	0.20	152.60	62.56	0.04
A22	11.7662*	PF 1	30.00	8.88	12.64		12.64	0.000011	0.20	152.66	62.55	0.04
A22	11.7532*	PF 1	30.00	8.88	12.64		12.64	0.000011	0.20	152.71	62.53	0.04
A22	11.7402*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.72	62.51	0.04
A22	11.7272*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.78	62.49	0.04
A22	11.7142*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.84	62.48	0.04
A22	11.7013*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.89	62.46	0.04
A22	11.6883*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.96	62.44	0.04
A22	11.6753*	PF 1	30.00	8.87	12.64		12.64	0.000011	0.20	152.96	62.43	0.04
A22	11.6623*	PF 1	30.00	8.86	12.64		12.64	0.000011	0.20	153.01	62.41	0.04
A22	11.6493*	PF 1	30.00	8.86	12.64		12.64	0.000011	0.20	153.07	62.39	0.04
A22	11.6363*	PF 1	30.00	8.86	12.64		12.64	0.000011	0.20	153.13	62.37	0.04
A22	11.6233*	PF 1	30.00	8.86	12.64		12.64	0.000011	0.20	153.18	62.35	0.04
A22	11.6103*	PF 1	30.00	8.86	12.63		12.64	0.000011	0.20	153.24	62.34	0.04
A22	11.5974*	PF 1	30.00	8.86	12.63		12.64	0.000011	0.20	153.24	62.32	0.04
A22	11.5844*	PF 1	30.00	8.85	12.63		12.64	0.000011	0.20	153.30	62.30	0.04
A22	11.5714*	PF 1	30.00	8.85	12.63		12.64	0.000011	0.20	153.36	62.29	0.04
A22	11.5584*	PF 1	30.00	8.85	12.63		12.64	0.000010	0.20	153.42	62.27	0.04
A22	11.5454*	PF 1	30.00	8.85	12.63		12.64	0.000010	0.20	153.47	62.25	0.04
A22	11.5324*	PF 1	30.00	8.85	12.63		12.63	0.000010	0.20	153.48	62.23	0.04
A22	11.5194*	PF 1	30.00	8.84	12.63		12.63	0.000010	0.20	153.53	62.21	0.04
A22	11.5064*	PF 1	30.00	8.84	12.63		12.63	0.000010	0.20	153.59	62.20	0.04
A22	11.4935*	PF 1	30.00	8.84	12.63		12.63	0.000010	0.20	153.65	62.18	0.04
A22	11.4805*	PF 1	30.00	8.84	12.63		12.63	0.000010	0.20	153.71	62.16	0.04
A22	11.4675*	PF 1	30.00	8.84	12.63		12.63	0.000010	0.20	153.76	62.15	0.04
A22	11.4545*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.20	153.77	62.13	0.04
A22	11.4415*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.20	153.82	62.11	0.04
A22	11.4285*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.19	153.88	62.09	0.04
A22	11.4155*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.19	153.94	62.08	0.04
A22	11.4026*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.19	154.00	62.06	0.04
A22	11.3896*	PF 1	30.00	8.83	12.63		12.63	0.000010	0.19	154.00	62.04	0.04
A22	11.3766*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.06	62.02	0.04
A22	11.3636*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.11	62.01	0.04
A22	11.3506*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.17	61.99	0.04
A22	11.3376*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.23	61.97	0.04
A22	11.3246*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.28	61.95	0.04
A22	11.3116*	PF 1	30.00	8.82	12.63		12.63	0.000010	0.19	154.29	61.94	0.04
A22	11.2987*	PF 1	30.00	8.81	12.63		12.63	0.000010	0.19	154.35	61.92	0.04
A22	11.2857*	PF 1	30.00	8.81	12.63		12.63	0.000010	0.19	154.40	61.90	0.04
A22	11.2727*	PF 1	30.00	8.81	12.63		12.63	0.000010	0.19	154.46	61.88	0.04
A22	11.2597*	PF 1	30.00	8.81	12.63		12.63	0.000010	0.19	154.52	61.87	0.04
A22	11.2467*	PF 1	30.00	8.81	12.63		12.63	0.000010	0.19	154.52	61.85	0.04
A22	11.2337*	PF 1	30.00	8.80	12.63		12.63	0.000010	0.19	154.58	61.83	0.04
A22	11.2207*	PF 1	30.00	8.80	12.63		12.63	0.000010	0.19	154.63	61.81	0.04
A22	11.2077*	PF 1	30.00	8.80	12.63		12.63	0.000010	0.19	154.69	61.80	0.04
A22	11.1948*	PF 1	30.00	8.80	12.62		12.63	0.000010	0.19	154.75	61.78	0.04
A22	11.1818*	PF 1	30.00	8.80	12.62		12.63	0.000010	0.19	154.80	61.76	0.04
A22	11.1688*	PF 1	30.00	8.80	12.62		12.63	0.000010	0.19	154.81	61.75	0.04
A22	11.1558*	PF 1	30.00	8.79	12.62		12.63	0.000010	0.19	154.87	61.73	0.04
A22	11.1428*	PF 1	30.00	8.79	12.62		12.63	0.000010	0.19	154.92	61.71	0.04
A22	11.1298*	PF 1	30.00	8.79	12.62		12.63	0.000010	0.19	154.98	61.69	0.04
A22	11.1168*	PF 1	30.00	8.79	12.62		12.62	0.000010	0.19	155.03	61.68	0.04
A22	11.1039*	PF 1	30.00	8.79	12.62		12.62	0.000010	0.19	155.04	61.66	0.04
A22	11.0909*	PF 1	30.00	8.78	12.62		12.62	0.000010	0.19	155.09	61.64	0.04
A22	11.0779*	PF 1	30.00	8.78	12.62		12.62	0.000010	0.19	155.15	61.62	0.04
A22	11.0649*	PF 1	30.00	8.78	12.62		12.62	0.000010	0.19	155.21	61.61	0.04
A22	11.0519*	PF 1	30.00	8.78	12.62		12.62	0.000010	0.19	155.27	61.59	0.04
A22	11.0389*	PF 1	30.00	8.78	12.62		12.62	0.000010	0.19	155.32	61.57	0.04
A22	11.0259*	PF 1	30.00	8.77	12.62		12.62	0.000010	0.19	155.33	61.56	0.04
A22	11.0129*	PF 1	30.00	8.77	12.62		12.62	0.000010	0.19	155.38	61.54	0.04
A22	11	PF 1	30.00	8.77	12.62		12.62	0.000010	0.19	155.44	61.52	0.04
A22	10.875*	PF 1	30.00	8.78	12.62		12.62	0.000012	0.21	145.55	60.55	0.04
A22	10.75*	PF 1	30.00	8.79	12.62		12.62	0.000015	0.22	135.82	59.47	0.05
A22	10.625*	PF 1	30.00	8.80	12.62		12.62	0.000018	0.24	126.22	58.36	0.05
A22	10.5*	PF 1	30.00	8.81	12.62		12.62	0.000023	0.26	116.79	57.10	0.06
A22	10.375*	PF 1	30.00	8.81	12.62		12.62	0.000030	0.28	107.57	55.64	0.06

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	10.25*	PF 1	30.00	8.82	12.62		12.62	0.000038	0.30	98.56	53.93	0.07
A22	10.125*	PF 1	30.00	8.83	12.62		12.62	0.000050	0.33	89.87	51.88	0.08
A22	10.*	PF 1	30.00	8.84	12.61		12.62	0.000065	0.37	81.54	49.62	0.09
A22	9.875*	PF 1	30.00	8.85	12.61		12.62	0.000078	0.41	73.96	44.03	0.10
A22	9.75*	PF 1	30.00	8.86	12.61		12.62	0.000075	0.44	68.00	34.08	0.10
A22	9.625*	PF 1	30.00	8.87	12.61		12.62	0.000054	0.46	65.10	23.13	0.09
A22	9.5*	PF 1	30.00	8.87	12.61		12.62	0.000057	0.47	63.59	22.43	0.09
A22	9.375*	PF 1	30.00	8.88	12.61		12.62	0.000060	0.48	62.22	21.82	0.09
A22	9.25*	PF 1	30.00	8.89	12.61		12.62	0.000063	0.49	60.99	21.29	0.09
A22	9.125*	PF 1	30.00	8.90	12.61		12.62	0.000065	0.50	59.86	20.82	0.09
A22	09	PF 1	30.00	8.91	12.61		12.62	0.000068	0.51	58.82	20.40	0.10
A22	08	PF 1	30.00	8.98	12.60		12.62	0.000073	0.52	57.36	20.28	0.10
A22	07	PF 1	30.00	8.98	12.60	10.07	12.62	0.000073	0.52	57.34	20.28	0.10
A22	6.5		Bridge									
A22	06	PF 1	30.00	8.98	12.60		12.62	0.000073	0.52	57.30	20.27	0.10
A22	05	PF 1	30.00	8.98	12.60		12.62	0.000073	0.52	57.28	20.27	0.10
A22	04	PF 1	30.00	8.91	12.60		12.61	0.000069	0.51	58.57	20.38	0.10
A22	3.875*	PF 1	30.00	8.91	12.60		12.61	0.000068	0.51	58.97	20.59	0.10
A22	3.75*	PF 1	30.00	8.90	12.60		12.61	0.000066	0.50	59.44	20.83	0.10
A22	3.625*	PF 1	30.00	8.89	12.60		12.61	0.000065	0.50	59.99	21.12	0.09
A22	3.5*	PF 1	30.00	8.88	12.60		12.61	0.000064	0.49	60.63	21.47	0.09
A22	3.375*	PF 1	30.00	8.87	12.60		12.61	0.000062	0.49	61.39	21.89	0.09
A22	3.25*	PF 1	30.00	8.87	12.60		12.61	0.000090	0.48	63.07	32.12	0.11
A22	3.125*	PF 1	30.00	8.86	12.60		12.61	0.000102	0.44	68.22	43.70	0.11
A22	3.*	PF 1	30.00	8.85	12.60		12.61	0.000086	0.40	75.22	49.63	0.10
A22	2.875*	PF 1	30.00	8.84	12.60		12.61	0.000067	0.36	83.06	53.49	0.09
A22	2.75*	PF 1	30.00	8.84	12.60		12.61	0.000051	0.33	91.39	55.62	0.08
A22	2.625*	PF 1	30.00	8.83	12.61		12.61	0.000039	0.30	99.83	56.73	0.07
A22	2.5*	PF 1	30.00	8.82	12.61		12.61	0.000030	0.28	108.34	57.56	0.06
A22	2.375*	PF 1	30.00	8.82	12.61		12.61	0.000024	0.26	116.82	58.17	0.06
A22	2.25*	PF 1	30.00	8.81	12.61		12.61	0.000019	0.24	125.28	58.61	0.05
A22	2.125*	PF 1	30.00	8.80	12.61		12.61	0.000015	0.22	133.67	58.91	0.05
A22	02	PF 1	30.00	8.79	12.61		12.61	0.000013	0.21	141.98	59.11	0.04
A22	1.99774*	PF 1	30.00	8.79	12.61		12.61	0.000013	0.21	142.07	59.11	0.04
A22	1.99549*	PF 1	30.00	8.79	12.61		12.61	0.000013	0.21	142.15	59.12	0.04
A22	1.99324*	PF 1	30.00	8.79	12.61		12.61	0.000013	0.21	142.25	59.12	0.04
A22	1.99099*	PF 1	30.00	8.78	12.60		12.61	0.000013	0.21	142.33	59.13	0.04
A22	1.98873*	PF 1	30.00	8.78	12.60		12.61	0.000013	0.21	142.43	59.13	0.04
A22	1.98648*	PF 1	30.00	8.78	12.60		12.61	0.000013	0.21	142.51	59.13	0.04
A22	1.98423*	PF 1	30.00	8.78	12.60		12.61	0.000013	0.21	142.60	59.14	0.04
A22	1.98198*	PF 1	30.00	8.77	12.60		12.61	0.000012	0.21	142.70	59.14	0.04
A22	1.97973*	PF 1	30.00	8.77	12.60		12.61	0.000012	0.21	142.78	59.14	0.04
A22	1.97747*	PF 1	30.00	8.77	12.60		12.60	0.000012	0.21	142.87	59.15	0.04
A22	1.97522*	PF 1	30.00	8.77	12.60		12.60	0.000012	0.21	142.96	59.15	0.04
A22	1.97297*	PF 1	30.00	8.77	12.60		12.60	0.000012	0.21	143.04	59.16	0.04
A22	1.97072*	PF 1	30.00	8.76	12.60		12.60	0.000012	0.21	143.14	59.16	0.04
A22	1.96846*	PF 1	30.00	8.76	12.60		12.60	0.000012	0.21	143.24	59.16	0.04
A22	1.96621*	PF 1	30.00	8.76	12.60		12.60	0.000012	0.21	143.32	59.17	0.04
A22	1.96396*	PF 1	30.00	8.76	12.60		12.60	0.000012	0.21	143.41	59.17	0.04
A22	1.96171*	PF 1	30.00	8.76	12.60		12.60	0.000012	0.21	143.50	59.17	0.04
A22	1.95945*	PF 1	30.00	8.75	12.60		12.60	0.000012	0.21	143.59	59.18	0.04
A22	1.95720*	PF 1	30.00	8.75	12.60		12.60	0.000012	0.21	143.69	59.18	0.04
A22	1.95495*	PF 1	30.00	8.75	12.60		12.60	0.000012	0.21	143.78	59.18	0.04
A22	1.95270*	PF 1	30.00	8.75	12.60		12.60	0.000012	0.21	143.87	59.19	0.04
A22	1.95045*	PF 1	30.00	8.74	12.60		12.60	0.000012	0.21	143.95	59.19	0.04
A22	1.94819*	PF 1	30.00	8.74	12.60		12.60	0.000012	0.21	144.05	59.19	0.04
A22	1.94594*	PF 1	30.00	8.74	12.60		12.60	0.000012	0.21	144.14	59.20	0.04
A22	1.94369*	PF 1	30.00	8.74	12.60		12.60	0.000012	0.21	144.23	59.20	0.04
A22	1.94144*	PF 1	30.00	8.74	12.60		12.60	0.000012	0.21	144.32	59.20	0.04
A22	1.93918*	PF 1	30.00	8.73	12.60		12.60	0.000012	0.21	144.42	59.21	0.04
A22	1.93693*	PF 1	30.00	8.73	12.60		12.60	0.000012	0.21	144.51	59.21	0.04
A22	1.93468*	PF 1	30.00	8.73	12.60		12.60	0.000012	0.21	144.60	59.21	0.04
A22	1.93243*	PF 1	30.00	8.73	12.60		12.60	0.000012	0.21	144.70	59.22	0.04
A22	1.93018*	PF 1	30.00	8.72	12.60		12.60	0.000012	0.21	144.78	59.22	0.04
A22	1.92792*	PF 1	30.00	8.72	12.59		12.60	0.000012	0.21	144.88	59.22	0.04
A22	1.92567*	PF 1	30.00	8.72	12.59		12.60	0.000012	0.21	144.97	59.22	0.04
A22	1.92342*	PF 1	30.00	8.72	12.59		12.60	0.000012	0.21	145.06	59.23	0.04
A22	1.92117*	PF 1	30.00	8.72	12.59		12.60	0.000012	0.21	145.15	59.23	0.04
A22	1.91891*	PF 1	30.00	8.71	12.59		12.60	0.000012	0.21	145.25	59.23	0.04
A22	1.91666*	PF 1	30.00	8.71	12.59		12.60	0.000012	0.21	145.34	59.24	0.04
A22	1.91441*	PF 1	30.00	8.71	12.59		12.59	0.000012	0.21	145.44	59.24	0.04
A22	1.91216*	PF 1	30.00	8.71	12.59		12.59	0.000012	0.21	145.53	59.24	0.04
A22	1.90991*	PF 1	30.00	8.71	12.59		12.59	0.000012	0.21	145.62	59.25	0.04
A22	1.90765*	PF 1	30.00	8.70	12.59		12.59	0.000012	0.21	145.72	59.25	0.04
A22	1.90540*	PF 1	30.00	8.70	12.59		12.59	0.000012	0.21	145.82	59.25	0.04
A22	1.90315*	PF 1	30.00	8.70	12.59		12.59	0.000012	0.21	145.91	59.25	0.04
A22	1.90090*	PF 1	30.00	8.70	12.59		12.59	0.000012	0.21	146.00	59.26	0.04
A22	1.89864*	PF 1	30.00	8.69	12.59		12.59	0.000012	0.21	146.10	59.26	0.04
A22	1.89639*	PF 1	30.00	8.69	12.59		12.59	0.000012	0.21	146.19	59.26	0.04
A22	1.89414*	PF 1	30.00	8.69	12.59		12.59	0.000012	0.21	146.28	59.26	0.04
A22	1.89189*	PF 1	30.00	8.69	12.59		12.59	0.000012	0.20	146.38	59.27	0.04
A22	1.88964*	PF 1	30.00	8.68	12.59		12.59	0.000011	0.20	146.47	59.27	0.04
A22	1.88738*	PF 1	30.00	8.68	12.59		12.59	0.000011	0.20	146.57	59.27	0.04

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	1.88513*	PF 1	30.00	8.68	12.59		12.59	0.000011	0.20	146.67	59.27	0.04
A22	1.88288*	PF 1	30.00	8.68	12.59		12.59	0.000011	0.20	146.77	59.28	0.04
A22	1.88063*	PF 1	30.00	8.68	12.59		12.59	0.000011	0.20	146.86	59.28	0.04
A22	1.87837*	PF 1	30.00	8.67	12.59		12.59	0.000011	0.20	146.95	59.28	0.04
A22	1.87612*	PF 1	30.00	8.67	12.59		12.59	0.000011	0.20	147.04	59.28	0.04
A22	1.87387*	PF 1	30.00	8.67	12.59		12.59	0.000011	0.20	147.14	59.29	0.04
A22	1.87162*	PF 1	30.00	8.67	12.59		12.59	0.000011	0.20	147.24	59.29	0.04
A22	1.86936*	PF 1	30.00	8.66	12.59		12.59	0.000011	0.20	147.34	59.29	0.04
A22	1.86711*	PF 1	30.00	8.66	12.59		12.59	0.000011	0.20	147.43	59.29	0.04
A22	1.86486*	PF 1	30.00	8.66	12.59		12.59	0.000011	0.20	147.53	59.29	0.04
A22	1.86261*	PF 1	30.00	8.66	12.58		12.59	0.000011	0.20	147.63	59.30	0.04
A22	1.86036*	PF 1	30.00	8.66	12.58		12.59	0.000011	0.20	147.72	59.30	0.04
A22	1.85810*	PF 1	30.00	8.65	12.58		12.59	0.000011	0.20	147.82	59.30	0.04
A22	1.85585*	PF 1	30.00	8.65	12.58		12.59	0.000011	0.20	147.92	59.30	0.04
A22	1.85360*	PF 1	30.00	8.65	12.58		12.59	0.000011	0.20	148.01	59.30	0.04
A22	1.85135*	PF 1	30.00	8.65	12.58		12.59	0.000011	0.20	148.11	59.31	0.04
A22	1.84909*	PF 1	30.00	8.65	12.58		12.58	0.000011	0.20	148.22	59.31	0.04
A22	1.84684*	PF 1	30.00	8.64	12.58		12.58	0.000011	0.20	148.31	59.31	0.04
A22	1.84459*	PF 1	30.00	8.64	12.58		12.58	0.000011	0.20	148.40	59.31	0.04
A22	1.84234*	PF 1	30.00	8.64	12.58		12.58	0.000011	0.20	148.51	59.31	0.04
A22	1.84009*	PF 1	30.00	8.64	12.58		12.58	0.000011	0.20	148.60	59.32	0.04
A22	1.83783*	PF 1	30.00	8.63	12.58		12.58	0.000011	0.20	148.70	59.32	0.04
A22	1.83558*	PF 1	30.00	8.63	12.58		12.58	0.000011	0.20	148.80	59.32	0.04
A22	1.83333*	PF 1	30.00	8.63	12.58		12.58	0.000011	0.20	148.90	59.32	0.04
A22	1.83108*	PF 1	30.00	8.63	12.58		12.58	0.000011	0.20	148.99	59.32	0.04
A22	1.82882*	PF 1	30.00	8.62	12.58		12.58	0.000011	0.20	149.09	59.33	0.04
A22	1.82657*	PF 1	30.00	8.62	12.58		12.58	0.000011	0.20	149.19	59.32	0.04
A22	1.82432*	PF 1	30.00	8.62	12.58		12.58	0.000011	0.20	149.29	59.33	0.04
A22	1.82207*	PF 1	30.00	8.62	12.58		12.58	0.000011	0.20	149.38	59.33	0.04
A22	1.81982*	PF 1	30.00	8.62	12.58		12.58	0.000011	0.20	149.49	59.33	0.04
A22	1.81756*	PF 1	30.00	8.61	12.58		12.58	0.000011	0.20	149.59	59.33	0.04
A22	1.81531*	PF 1	30.00	8.61	12.58		12.58	0.000011	0.20	149.69	59.34	0.04
A22	1.81306*	PF 1	30.00	8.61	12.58		12.58	0.000011	0.20	149.79	59.34	0.04
A22	1.81081*	PF 1	30.00	8.61	12.58		12.58	0.000011	0.20	149.89	59.34	0.04
A22	1.80855*	PF 1	30.00	8.61	12.58		12.58	0.000011	0.20	149.99	59.34	0.04
A22	1.80630*	PF 1	30.00	8.60	12.58		12.58	0.000011	0.20	150.09	59.34	0.04
A22	1.80405*	PF 1	30.00	8.60	12.58		12.58	0.000011	0.20	150.19	59.34	0.04
A22	1.80180*	PF 1	30.00	8.60	12.58		12.58	0.000011	0.20	150.29	59.34	0.04
A22	1.79955*	PF 1	30.00	8.60	12.58		12.58	0.000011	0.20	150.39	59.35	0.04
A22	1.79729*	PF 1	30.00	8.59	12.58		12.58	0.000011	0.20	150.49	59.35	0.04
A22	1.79504*	PF 1	30.00	8.59	12.58		12.58	0.000010	0.20	150.60	59.35	0.04
A22	1.79279*	PF 1	30.00	8.59	12.57		12.58	0.000010	0.20	150.69	59.35	0.04
A22	1.79054*	PF 1	30.00	8.59	12.57		12.58	0.000010	0.20	150.79	59.35	0.04
A22	1.78828*	PF 1	30.00	8.59	12.57		12.58	0.000010	0.20	150.90	59.35	0.04
A22	1.78603*	PF 1	30.00	8.58	12.57		12.58	0.000010	0.20	150.99	59.35	0.04
A22	1.78378*	PF 1	30.00	8.58	12.57		12.58	0.000010	0.20	151.09	59.35	0.04
A22	1.78153*	PF 1	30.00	8.58	12.57		12.58	0.000010	0.20	151.19	59.35	0.04
A22	1.77928*	PF 1	30.00	8.58	12.57		12.57	0.000010	0.20	151.30	59.35	0.04
A22	1.77702*	PF 1	30.00	8.57	12.57		12.57	0.000010	0.20	151.40	59.36	0.04
A22	1.77477*	PF 1	30.00	8.57	12.57		12.57	0.000010	0.20	151.51	59.35	0.04
A22	1.77252*	PF 1	30.00	8.57	12.57		12.57	0.000010	0.20	151.61	59.36	0.04
A22	1.77027*	PF 1	30.00	8.57	12.57		12.57	0.000010	0.20	151.71	59.36	0.04
A22	1.76801*	PF 1	30.00	8.57	12.57		12.57	0.000010	0.20	151.81	59.36	0.04
A22	1.76576*	PF 1	30.00	8.56	12.57		12.57	0.000010	0.20	151.92	59.36	0.04
A22	1.76351*	PF 1	30.00	8.56	12.57		12.57	0.000010	0.20	152.02	59.36	0.04
A22	1.76126*	PF 1	30.00	8.56	12.57		12.57	0.000010	0.20	152.12	59.36	0.04
A22	1.75900*	PF 1	30.00	8.56	12.57		12.57	0.000010	0.20	152.23	59.36	0.04
A22	1.75675*	PF 1	30.00	8.56	12.57		12.57	0.000010	0.20	152.32	59.36	0.04
A22	1.75450*	PF 1	30.00	8.55	12.57		12.57	0.000010	0.20	152.44	59.36	0.04
A22	1.75225*	PF 1	30.00	8.55	12.57		12.57	0.000010	0.20	152.53	59.36	0.04
A22	1.75*	PF 1	30.00	8.55	12.57		12.57	0.000010	0.20	152.64	59.36	0.04
A22	1.74774*	PF 1	30.00	8.55	12.57		12.57	0.000010	0.20	152.74	59.36	0.04
A22	1.74549*	PF 1	30.00	8.54	12.57		12.57	0.000010	0.20	152.85	59.37	0.04
A22	1.74324*	PF 1	30.00	8.54	12.57		12.57	0.000010	0.20	152.95	59.36	0.04
A22	1.74099*	PF 1	30.00	8.54	12.57		12.57	0.000010	0.20	153.05	59.36	0.04
A22	1.73873*	PF 1	30.00	8.54	12.57		12.57	0.000010	0.20	153.16	59.36	0.04
A22	1.73648*	PF 1	30.00	8.54	12.57		12.57	0.000010	0.20	153.27	59.37	0.04
A22	1.73423*	PF 1	30.00	8.53	12.57		12.57	0.000010	0.20	153.37	59.37	0.04
A22	1.73198*	PF 1	30.00	8.53	12.57		12.57	0.000010	0.20	153.47	59.37	0.04
A22	1.72973*	PF 1	30.00	8.53	12.57		12.57	0.000010	0.20	153.58	59.37	0.04
A22	1.72747*	PF 1	30.00	8.53	12.57		12.57	0.000010	0.20	153.69	59.37	0.04
A22	1.72522*	PF 1	30.00	8.52	12.57		12.57	0.000010	0.20	153.79	59.37	0.04
A22	1.72297*	PF 1	30.00	8.52	12.57		12.57	0.000010	0.19	153.89	59.37	0.04
A22	1.72072*	PF 1	30.00	8.52	12.57		12.57	0.000010	0.19	154.00	59.37	0.04
A22	1.71846*	PF 1	30.00	8.52	12.56		12.57	0.000010	0.19	154.11	59.38	0.04
A22	1.71621*	PF 1	30.00	8.51	12.56		12.57	0.000010	0.19	154.21	59.38	0.04
A22	1.71396*	PF 1	30.00	8.51	12.56		12.57	0.000010	0.19	154.32	59.38	0.04
A22	1.71171*	PF 1	30.00	8.51	12.56		12.57	0.000010	0.19	154.43	59.38	0.04
A22	1.70946*	PF 1	30.00	8.51	12.56		12.57	0.000010	0.19	154.53	59.38	0.04
A22	1.70720*	PF 1	30.00	8.51	12.56		12.57	0.000010	0.19	154.64	59.38	0.04
A22	1.70495*	PF 1	30.00	8.50	12.56		12.57	0.000010	0.19	154.75	59.38	0.04
A22	1.70270*	PF 1	30.00	8.50	12.56		12.56	0.000010	0.19	154.85	59.38	0.04
A22	1.70045*	PF 1	30.00	8.50	12.56		12.56	0.000010	0.19	154.95	59.39	0.04

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	1.69819*	PF 1	30.00	8.50	12.56		12.56	0.000010	0.19	155.07	59.39	0.04
A22	1.69594*	PF 1	30.00	8.50	12.56		12.56	0.000010	0.19	155.17	59.39	0.04
A22	1.69369*	PF 1	30.00	8.49	12.56		12.56	0.000009	0.19	155.28	59.39	0.04
A22	1.69144*	PF 1	30.00	8.49	12.56		12.56	0.000009	0.19	155.39	59.39	0.04
A22	1.68919*	PF 1	30.00	8.49	12.56		12.56	0.000009	0.19	155.49	59.39	0.04
A22	1.68693*	PF 1	30.00	8.49	12.56		12.56	0.000009	0.19	155.60	59.39	0.04
A22	1.68468*	PF 1	30.00	8.48	12.56		12.56	0.000009	0.19	155.71	59.39	0.04
A22	1.68243*	PF 1	30.00	8.48	12.56		12.56	0.000009	0.19	155.82	59.39	0.04
A22	1.68018*	PF 1	30.00	8.48	12.56		12.56	0.000009	0.19	155.93	59.40	0.04
A22	1.67792*	PF 1	30.00	8.48	12.56		12.56	0.000009	0.19	156.04	59.40	0.04
A22	1.67567*	PF 1	30.00	8.47	12.56		12.56	0.000009	0.19	156.15	59.40	0.04
A22	1.67342*	PF 1	30.00	8.47	12.56		12.56	0.000009	0.19	156.25	59.40	0.04
A22	1.67117*	PF 1	30.00	8.47	12.56		12.56	0.000009	0.19	156.36	59.40	0.04
A22	1.66891*	PF 1	30.00	8.47	12.56		12.56	0.000009	0.19	156.47	59.40	0.04
A22	1.66666*	PF 1	30.00	8.47	12.56		12.56	0.000009	0.19	156.58	59.40	0.04
A22	1.66441*	PF 1	30.00	8.46	12.56		12.56	0.000009	0.19	156.69	59.40	0.04
A22	1.66216*	PF 1	30.00	8.46	12.56		12.56	0.000009	0.19	156.80	59.40	0.04
A22	1.65991*	PF 1	30.00	8.46	12.56		12.56	0.000009	0.19	156.91	59.41	0.04
A22	1.65765*	PF 1	30.00	8.46	12.56		12.56	0.000009	0.19	157.02	59.41	0.04
A22	1.65540*	PF 1	30.00	8.46	12.56		12.56	0.000009	0.19	157.14	59.41	0.04
A22	1.65315*	PF 1	30.00	8.45	12.56		12.56	0.000009	0.19	157.24	59.41	0.04
A22	1.65090*	PF 1	30.00	8.45	12.56		12.56	0.000009	0.19	157.35	59.41	0.04
A22	1.64864*	PF 1	30.00	8.45	12.56		12.56	0.000009	0.19	157.47	59.41	0.04
A22	1.64639*	PF 1	30.00	8.45	12.56		12.56	0.000009	0.19	157.57	59.41	0.04
A22	1.64414*	PF 1	30.00	8.44	12.56		12.56	0.000009	0.19	157.68	59.41	0.04
A22	1.64189*	PF 1	30.00	8.44	12.56		12.56	0.000009	0.19	157.79	59.42	0.04
A22	1.63964*	PF 1	30.00	8.44	12.56		12.56	0.000009	0.19	157.90	59.41	0.04
A22	1.63738*	PF 1	30.00	8.44	12.55		12.56	0.000009	0.19	158.01	59.42	0.04
A22	1.63513*	PF 1	30.00	8.44	12.55		12.56	0.000009	0.19	158.13	59.42	0.04
A22	1.63288*	PF 1	30.00	8.43	12.55		12.56	0.000009	0.19	158.23	59.41	0.04
A22	1.63063*	PF 1	30.00	8.43	12.55		12.56	0.000009	0.19	158.34	59.42	0.04
A22	1.62837*	PF 1	30.00	8.43	12.55		12.56	0.000009	0.19	158.46	59.42	0.04
A22	1.62612*	PF 1	30.00	8.43	12.55		12.56	0.000009	0.19	158.57	59.42	0.04
A22	1.62387*	PF 1	30.00	8.42	12.55		12.56	0.000009	0.19	158.69	59.42	0.04
A22	1.62162*	PF 1	30.00	8.42	12.55		12.55	0.000009	0.19	158.80	59.42	0.04
A22	1.61937*	PF 1	30.00	8.42	12.55		12.55	0.000009	0.19	158.90	59.42	0.04
A22	1.61711*	PF 1	30.00	8.42	12.55		12.55	0.000009	0.19	159.02	59.42	0.04
A22	1.61486*	PF 1	30.00	8.42	12.55		12.55	0.000009	0.19	159.14	59.42	0.04
A22	1.61261*	PF 1	30.00	8.41	12.55		12.55	0.000009	0.19	159.25	59.42	0.04
A22	1.61036*	PF 1	30.00	8.41	12.55		12.55	0.000009	0.19	159.36	59.42	0.04
A22	1.60810*	PF 1	30.00	8.41	12.55		12.55	0.000009	0.19	159.47	59.43	0.04
A22	1.60585*	PF 1	30.00	8.41	12.55		12.55	0.000009	0.19	159.59	59.43	0.04
A22	1.60360*	PF 1	30.00	8.40	12.55		12.55	0.000009	0.19	159.70	59.43	0.04
A22	1.60135*	PF 1	30.00	8.40	12.55		12.55	0.000009	0.19	159.81	59.43	0.04
A22	1.59909*	PF 1	30.00	8.40	12.55		12.55	0.000009	0.19	159.92	59.43	0.04
A22	1.59684*	PF 1	30.00	8.40	12.55		12.55	0.000009	0.19	160.03	59.43	0.04
A22	1.59459*	PF 1	30.00	8.40	12.55		12.55	0.000009	0.19	160.15	59.43	0.04
A22	1.59234*	PF 1	30.00	8.39	12.55		12.55	0.000009	0.19	160.26	59.43	0.04
A22	1.59009*	PF 1	30.00	8.39	12.55		12.55	0.000009	0.19	160.37	59.43	0.04
A22	1.58783*	PF 1	30.00	8.39	12.55		12.55	0.000009	0.19	160.49	59.43	0.04
A22	1.58558*	PF 1	30.00	8.39	12.55		12.55	0.000009	0.19	160.61	59.43	0.04
A22	1.58333*	PF 1	30.00	8.39	12.55		12.55	0.000008	0.19	160.72	59.43	0.04
A22	1.58108*	PF 1	30.00	8.38	12.55		12.55	0.000008	0.19	160.84	59.43	0.04
A22	1.57882*	PF 1	30.00	8.38	12.55		12.55	0.000008	0.19	160.95	59.43	0.04
A22	1.57657*	PF 1	30.00	8.38	12.55		12.55	0.000008	0.19	161.06	59.43	0.04
A22	1.57432*	PF 1	30.00	8.38	12.55		12.55	0.000008	0.19	161.18	59.43	0.04
A22	1.57207*	PF 1	30.00	8.37	12.55		12.55	0.000008	0.19	161.29	59.43	0.04
A22	1.56982*	PF 1	30.00	8.37	12.55		12.55	0.000008	0.19	161.41	59.43	0.04
A22	1.56756*	PF 1	30.00	8.37	12.55		12.55	0.000008	0.19	161.53	59.44	0.04
A22	1.56531*	PF 1	30.00	8.37	12.55		12.55	0.000008	0.19	161.65	59.43	0.04
A22	1.56306*	PF 1	30.00	8.36	12.55		12.55	0.000008	0.19	161.76	59.43	0.04
A22	1.56081*	PF 1	30.00	8.36	12.55		12.55	0.000008	0.19	161.87	59.44	0.04
A22	1.55855*	PF 1	30.00	8.36	12.55		12.55	0.000008	0.19	161.99	59.44	0.04
A22	1.55630*	PF 1	30.00	8.36	12.55		12.55	0.000008	0.19	162.11	59.43	0.04
A22	1.55405*	PF 1	30.00	8.36	12.55		12.55	0.000008	0.18	162.22	59.44	0.04
A22	1.55180*	PF 1	30.00	8.35	12.55		12.55	0.000008	0.18	162.34	59.43	0.04
A22	1.54955*	PF 1	30.00	8.35	12.54		12.55	0.000008	0.18	162.45	59.44	0.04
A22	1.54729*	PF 1	30.00	8.35	12.54		12.55	0.000008	0.18	162.57	59.44	0.04
A22	1.54504*	PF 1	30.00	8.35	12.54		12.55	0.000008	0.18	162.69	59.43	0.04
A22	1.54279*	PF 1	30.00	8.35	12.54		12.55	0.000008	0.18	162.81	59.44	0.04
A22	1.54054*	PF 1	30.00	8.34	12.54		12.55	0.000008	0.18	162.92	59.44	0.04
A22	1.53828*	PF 1	30.00	8.34	12.54		12.55	0.000008	0.18	163.04	59.44	0.04
A22	1.53603*	PF 1	30.00	8.34	12.54		12.55	0.000008	0.18	163.16	59.44	0.04
A22	1.53378*	PF 1	30.00	8.34	12.54		12.54	0.000008	0.18	163.28	59.43	0.04
A22	1.53153*	PF 1	30.00	8.33	12.54		12.54	0.000008	0.18	163.39	59.44	0.04
A22	1.52927*	PF 1	30.00	8.33	12.54		12.54	0.000008	0.18	163.51	59.44	0.04
A22	1.52702*	PF 1	30.00	8.33	12.54		12.54	0.000008	0.18	163.64	59.44	0.04
A22	1.52477*	PF 1	30.00	8.33	12.54		12.54	0.000008	0.18	163.74	59.44	0.04
A22	1.52252*	PF 1	30.00	8.33	12.54		12.54	0.000008	0.18	163.86	59.44	0.04
A22	1.52027*	PF 1	30.00	8.32	12.54		12.54	0.000008	0.18	163.98	59.44	0.04
A22	1.51801*	PF 1	30.00	8.32	12.54		12.54	0.000008	0.18	164.11	59.44	0.04
A22	1.51576*	PF 1	30.00	8.32	12.54		12.54	0.000008	0.18	164.23	59.44	0.04
A22	1.51351*	PF 1	30.00	8.32	12.54		12.54	0.000008	0.18	164.35	59.44	0.04



Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	1.51126*	PF 1	30.00	8.31	12.54		12.54	0.000008	0.18	164.46	59.44	0.04
A22	1.50900*	PF 1	30.00	8.31	12.54		12.54	0.000008	0.18	164.58	59.44	0.03
A22	1.50675*	PF 1	30.00	8.31	12.54		12.54	0.000008	0.18	164.70	59.44	0.03
A22	1.50450*	PF 1	30.00	8.31	12.54		12.54	0.000008	0.18	164.82	59.44	0.03
A22	1.50225*	PF 1	30.00	8.30	12.54		12.54	0.000008	0.18	164.94	59.44	0.03
A22	1.5*	PF 1	30.00	8.30	12.54		12.54	0.000008	0.18	165.06	59.44	0.03
A22	1.49774*	PF 1	30.00	8.30	12.54		12.54	0.000008	0.18	165.18	59.44	0.03
A22	1.49549*	PF 1	30.00	8.30	12.54		12.54	0.000008	0.18	165.30	59.43	0.03
A22	1.49324*	PF 1	30.00	8.30	12.54		12.54	0.000008	0.18	165.42	59.43	0.03
A22	1.49099*	PF 1	30.00	8.29	12.54		12.54	0.000008	0.18	165.54	59.44	0.03
A22	1.48873*	PF 1	30.00	8.29	12.54		12.54	0.000008	0.18	165.66	59.44	0.03
A22	1.48648*	PF 1	30.00	8.29	12.54		12.54	0.000008	0.18	165.78	59.44	0.03
A22	1.48423*	PF 1	30.00	8.29	12.54		12.54	0.000008	0.18	165.90	59.44	0.03
A22	1.48198*	PF 1	30.00	8.29	12.54		12.54	0.000008	0.18	166.02	59.44	0.03
A22	1.47972*	PF 1	30.00	8.28	12.54		12.54	0.000008	0.18	166.14	59.43	0.03
A22	1.47747*	PF 1	30.00	8.28	12.54		12.54	0.000008	0.18	166.26	59.43	0.03
A22	1.47522*	PF 1	30.00	8.28	12.54		12.54	0.000008	0.18	166.39	59.43	0.03
A22	1.47297*	PF 1	30.00	8.28	12.54		12.54	0.000008	0.18	166.51	59.43	0.03
A22	1.47072*	PF 1	30.00	8.27	12.54		12.54	0.000008	0.18	166.63	59.43	0.03
A22	1.46846*	PF 1	30.00	8.27	12.54		12.54	0.000008	0.18	166.75	59.44	0.03
A22	1.46621*	PF 1	30.00	8.27	12.54		12.54	0.000007	0.18	166.88	59.43	0.03
A22	1.46396*	PF 1	30.00	8.27	12.54		12.54	0.000007	0.18	167.00	59.43	0.03
A22	1.46171*	PF 1	30.00	8.26	12.54		12.54	0.000007	0.18	167.12	59.43	0.03
A22	1.45945*	PF 1	30.00	8.26	12.54		12.54	0.000007	0.18	167.24	59.44	0.03
A22	1.45720*	PF 1	30.00	8.26	12.54		12.54	0.000007	0.18	167.37	59.44	0.03
A22	1.45495*	PF 1	30.00	8.26	12.54		12.54	0.000007	0.18	167.49	59.44	0.03
A22	1.45270*	PF 1	30.00	8.26	12.53		12.54	0.000007	0.18	167.61	59.44	0.03
A22	1.45045*	PF 1	30.00	8.25	12.53		12.54	0.000007	0.18	167.74	59.44	0.03
A22	1.44819*	PF 1	30.00	8.25	12.53		12.54	0.000007	0.18	167.86	59.44	0.03
A22	1.44594*	PF 1	30.00	8.25	12.53		12.54	0.000007	0.18	167.99	59.44	0.03
A22	1.44369*	PF 1	30.00	8.25	12.53		12.54	0.000007	0.18	168.11	59.44	0.03
A22	1.44144*	PF 1	30.00	8.25	12.53		12.54	0.000007	0.18	168.23	59.45	0.03
A22	1.43918*	PF 1	30.00	8.24	12.53		12.54	0.000007	0.18	168.35	59.45	0.03
A22	1.43693*	PF 1	30.00	8.24	12.53		12.53	0.000007	0.18	168.47	59.45	0.03
A22	1.43468*	PF 1	30.00	8.24	12.53		12.53	0.000007	0.18	168.60	59.45	0.03
A22	1.43243*	PF 1	30.00	8.24	12.53		12.53	0.000007	0.18	168.72	59.45	0.03
A22	1.43018*	PF 1	30.00	8.24	12.53		12.53	0.000007	0.18	168.85	59.45	0.03
A22	1.42792*	PF 1	30.00	8.23	12.53		12.53	0.000007	0.18	168.98	59.45	0.03
A22	1.42567*	PF 1	30.00	8.23	12.53		12.53	0.000007	0.18	169.10	59.46	0.03
A22	1.42342*	PF 1	30.00	8.23	12.53		12.53	0.000007	0.18	169.22	59.46	0.03
A22	1.42117*	PF 1	30.00	8.23	12.53		12.53	0.000007	0.18	169.34	59.46	0.03
A22	1.41891*	PF 1	30.00	8.22	12.53		12.53	0.000007	0.18	169.47	59.46	0.03
A22	1.41666*	PF 1	30.00	8.22	12.53		12.53	0.000007	0.18	169.60	59.46	0.03
A22	1.41441*	PF 1	30.00	8.22	12.53		12.53	0.000007	0.18	169.72	59.46	0.03
A22	1.41216*	PF 1	30.00	8.22	12.53		12.53	0.000007	0.18	169.85	59.46	0.03
A22	1.40990*	PF 1	30.00	8.21	12.53		12.53	0.000007	0.18	169.97	59.46	0.03
A22	1.40765*	PF 1	30.00	8.21	12.53		12.53	0.000007	0.18	170.09	59.46	0.03
A22	1.40540*	PF 1	30.00	8.21	12.53		12.53	0.000007	0.18	170.23	59.46	0.03
A22	1.40315*	PF 1	30.00	8.21	12.53		12.53	0.000007	0.18	170.35	59.47	0.03
A22	1.4009*	PF 1	30.00	8.21	12.53		12.53	0.000007	0.18	170.48	59.47	0.03
A22	1.39864*	PF 1	30.00	8.20	12.53		12.53	0.000007	0.18	170.60	59.47	0.03
A22	1.39639*	PF 1	30.00	8.20	12.53		12.53	0.000007	0.18	170.73	59.47	0.03
A22	1.39414*	PF 1	30.00	8.20	12.53		12.53	0.000007	0.18	170.86	59.47	0.03
A22	1.39189*	PF 1	30.00	8.20	12.53		12.53	0.000007	0.18	170.99	59.47	0.03
A22	1.38963*	PF 1	30.00	8.19	12.53		12.53	0.000007	0.18	171.11	59.47	0.03
A22	1.38738*	PF 1	30.00	8.19	12.53		12.53	0.000007	0.18	171.24	59.47	0.03
A22	1.38513*	PF 1	30.00	8.19	12.53		12.53	0.000007	0.18	171.36	59.47	0.03
A22	1.38288*	PF 1	30.00	8.19	12.53		12.53	0.000007	0.17	171.49	59.48	0.03
A22	1.38063*	PF 1	30.00	8.19	12.53		12.53	0.000007	0.17	171.62	59.48	0.03
A22	1.37837*	PF 1	30.00	8.18	12.53		12.53	0.000007	0.17	171.75	59.48	0.03
A22	1.37612*	PF 1	30.00	8.18	12.53		12.53	0.000007	0.17	171.88	59.48	0.03
A22	1.37387*	PF 1	30.00	8.18	12.53		12.53	0.000007	0.17	172.00	59.48	0.03
A22	1.37162*	PF 1	30.00	8.18	12.53		12.53	0.000007	0.17	172.14	59.48	0.03
A22	1.36936*	PF 1	30.00	8.18	12.53		12.53	0.000007	0.17	172.26	59.48	0.03
A22	1.36711*	PF 1	30.00	8.17	12.53		12.53	0.000007	0.17	172.38	59.48	0.03
A22	1.36486*	PF 1	30.00	8.17	12.53		12.53	0.000007	0.17	172.52	59.48	0.03
A22	1.36261*	PF 1	30.00	8.17	12.53		12.53	0.000007	0.17	172.64	59.47	0.03
A22	1.36036*	PF 1	30.00	8.17	12.53		12.53	0.000007	0.17	172.77	59.47	0.03
A22	1.35810*	PF 1	30.00	8.16	12.53		12.53	0.000007	0.17	172.90	59.47	0.03
A22	1.35585*	PF 1	30.00	8.16	12.53		12.53	0.000007	0.17	173.03	59.47	0.03
A22	1.35360*	PF 1	30.00	8.16	12.53		12.53	0.000007	0.17	173.16	59.47	0.03
A22	1.35135*	PF 1	30.00	8.16	12.53		12.53	0.000007	0.17	173.29	59.47	0.03
A22	1.34909*	PF 1	30.00	8.15	12.53		12.53	0.000007	0.17	173.42	59.47	0.03
A22	1.34684*	PF 1	30.00	8.15	12.53		12.53	0.000007	0.17	173.55	59.47	0.03
A22	1.34459*	PF 1	30.00	8.15	12.52		12.53	0.000007	0.17	173.67	59.46	0.03
A22	1.34234*	PF 1	30.00	8.15	12.52		12.53	0.000007	0.17	173.81	59.46	0.03
A22	1.34008*	PF 1	30.00	8.15	12.52		12.53	0.000007	0.17	173.94	59.46	0.03
A22	1.33783*	PF 1	30.00	8.14	12.52		12.53	0.000007	0.17	174.07	59.46	0.03
A22	1.33558*	PF 1	30.00	8.14	12.52		12.53	0.000007	0.17	174.20	59.46	0.03
A22	1.33333*	PF 1	30.00	8.14	12.52		12.53	0.000007	0.17	174.33	59.45	0.03
A22	1.33108*	PF 1	30.00	8.14	12.52		12.53	0.000006	0.17	174.46	59.45	0.03
A22	1.32882*	PF 1	30.00	8.14	12.52		12.53	0.000006	0.17	174.59	59.45	0.03
A22	1.32657*	PF 1	30.00	8.13	12.52		12.52	0.000006	0.17	174.73	59.45	0.03

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	1.32432*	PF 1	30.00	8.13	12.52		12.52	0.000006	0.17	174.85	59.45	0.03
A22	1.32207*	PF 1	30.00	8.13	12.52		12.52	0.000006	0.17	174.98	59.44	0.03
A22	1.31981*	PF 1	30.00	8.13	12.52		12.52	0.000006	0.17	175.12	59.45	0.03
A22	1.31756*	PF 1	30.00	8.12	12.52		12.52	0.000006	0.17	175.25	59.44	0.03
A22	1.31531*	PF 1	30.00	8.12	12.52		12.52	0.000006	0.17	175.38	59.44	0.03
A22	1.31306*	PF 1	30.00	8.12	12.52		12.52	0.000006	0.17	175.51	59.44	0.03
A22	1.31081*	PF 1	30.00	8.12	12.52		12.52	0.000006	0.17	175.64	59.44	0.03
A22	1.30855*	PF 1	30.00	8.11	12.52		12.52	0.000006	0.17	175.77	59.43	0.03
A22	1.30630*	PF 1	30.00	8.11	12.52		12.52	0.000006	0.17	175.91	59.43	0.03
A22	1.30405*	PF 1	30.00	8.11	12.52		12.52	0.000006	0.17	176.03	59.43	0.03
A22	1.30180*	PF 1	30.00	8.11	12.52		12.52	0.000006	0.17	176.18	59.43	0.03
A22	1.29954*	PF 1	30.00	8.11	12.52		12.52	0.000006	0.17	176.30	59.43	0.03
A22	1.29729*	PF 1	30.00	8.10	12.52		12.52	0.000006	0.17	176.44	59.42	0.03
A22	1.29504*	PF 1	30.00	8.10	12.52		12.52	0.000006	0.17	176.57	59.42	0.03
A22	1.29279*	PF 1	30.00	8.10	12.52		12.52	0.000006	0.17	176.70	59.42	0.03
A22	1.29054*	PF 1	30.00	8.10	12.52		12.52	0.000006	0.17	176.84	59.42	0.03
A22	1.28828*	PF 1	30.00	8.10	12.52		12.52	0.000006	0.17	176.97	59.41	0.03
A22	1.28603*	PF 1	30.00	8.09	12.52		12.52	0.000006	0.17	177.11	59.41	0.03
A22	1.28378*	PF 1	30.00	8.09	12.52		12.52	0.000006	0.17	177.24	59.41	0.03
A22	1.28153*	PF 1	30.00	8.09	12.52		12.52	0.000006	0.17	177.38	59.41	0.03
A22	1.27927*	PF 1	30.00	8.09	12.52		12.52	0.000006	0.17	177.51	59.41	0.03
A22	1.27702*	PF 1	30.00	8.08	12.52		12.52	0.000006	0.17	177.65	59.40	0.03
A22	1.27477*	PF 1	30.00	8.08	12.52		12.52	0.000006	0.17	177.77	59.40	0.03
A22	1.27252*	PF 1	30.00	8.08	12.52		12.52	0.000006	0.17	177.91	59.40	0.03
A22	1.27026*	PF 1	30.00	8.08	12.52		12.52	0.000006	0.17	178.04	59.40	0.03
A22	1.26801*	PF 1	30.00	8.08	12.52		12.52	0.000006	0.17	178.17	59.39	0.03
A22	1.26576*	PF 1	30.00	8.07	12.52		12.52	0.000006	0.17	178.32	59.39	0.03
A22	1.26351*	PF 1	30.00	8.07	12.52		12.52	0.000006	0.17	178.45	59.39	0.03
A22	1.26126*	PF 1	30.00	8.07	12.52		12.52	0.000006	0.17	178.58	59.39	0.03
A22	1.25900*	PF 1	30.00	8.07	12.52		12.52	0.000006	0.17	178.72	59.38	0.03
A22	1.25675*	PF 1	30.00	8.07	12.52		12.52	0.000006	0.17	178.86	59.38	0.03
A22	1.25450*	PF 1	30.00	8.06	12.52		12.52	0.000006	0.17	178.99	59.38	0.03
A22	1.25225*	PF 1	30.00	8.06	12.52		12.52	0.000006	0.17	179.13	59.38	0.03
A22	1.24999*	PF 1	30.00	8.06	12.52		12.52	0.000006	0.17	179.26	59.38	0.03
A22	1.24774*	PF 1	30.00	8.06	12.52		12.52	0.000006	0.17	179.40	59.39	0.03
A22	1.24549*	PF 1	30.00	8.05	12.52		12.52	0.000006	0.17	179.53	59.39	0.03
A22	1.24324*	PF 1	30.00	8.05	12.52		12.52	0.000006	0.17	179.68	59.39	0.03
A22	1.24099*	PF 1	30.00	8.05	12.52		12.52	0.000006	0.17	179.81	59.40	0.03
A22	1.23873*	PF 1	30.00	8.05	12.52		12.52	0.000006	0.17	179.95	59.41	0.03
A22	1.23648*	PF 1	30.00	8.04	12.52		12.52	0.000006	0.17	180.09	59.42	0.03
A22	1.23423*	PF 1	30.00	8.04	12.52		12.52	0.000006	0.17	180.21	59.43	0.03
A22	1.23198*	PF 1	30.00	8.04	12.52		12.52	0.000006	0.17	180.36	59.44	0.03
A22	1.22972*	PF 1	30.00	8.04	12.52		12.52	0.000006	0.17	180.49	59.45	0.03
A22	1.22747*	PF 1	30.00	8.04	12.52		12.52	0.000006	0.17	180.63	59.46	0.03
A22	1.22522*	PF 1	30.00	8.03	12.52		12.52	0.000006	0.17	180.77	59.47	0.03
A22	1.22297*	PF 1	30.00	8.03	12.52		12.52	0.000006	0.17	180.90	59.48	0.03
A22	1.22071*	PF 1	30.00	8.03	12.51		12.52	0.000006	0.17	181.04	59.49	0.03
A22	1.21846*	PF 1	30.00	8.03	12.51		12.52	0.000006	0.17	181.19	59.50	0.03
A22	1.21621*	PF 1	30.00	8.03	12.51		12.52	0.000006	0.17	181.32	59.51	0.03
A22	1.21396*	PF 1	30.00	8.02	12.51		12.52	0.000006	0.17	181.46	59.52	0.03
A22	1.21171*	PF 1	30.00	8.02	12.51		12.52	0.000006	0.17	181.60	59.53	0.03
A22	1.20945*	PF 1	30.00	8.02	12.51		12.52	0.000006	0.17	181.73	59.54	0.03
A22	1.20720*	PF 1	30.00	8.02	12.51		12.52	0.000006	0.16	181.87	59.55	0.03
A22	1.20495*	PF 1	30.00	8.01	12.51		12.52	0.000006	0.16	182.01	59.56	0.03
A22	1.20270*	PF 1	30.00	8.01	12.51		12.51	0.000006	0.16	182.15	59.57	0.03
A22	1.20044*	PF 1	30.00	8.01	12.51		12.51	0.000006	0.16	182.29	59.58	0.03
A22	1.19819*	PF 1	30.00	8.01	12.51		12.51	0.000006	0.16	182.42	59.59	0.03
A22	1.19594*	PF 1	30.00	8.00	12.51		12.51	0.000006	0.16	182.57	59.60	0.03
A22	1.19369*	PF 1	30.00	8.00	12.51		12.51	0.000006	0.16	182.70	59.61	0.03
A22	1.19144*	PF 1	30.00	8.00	12.51		12.51	0.000006	0.16	182.84	59.62	0.03
A22	1.18918*	PF 1	30.00	8.00	12.51		12.51	0.000006	0.16	182.98	59.63	0.03
A22	1.18693*	PF 1	30.00	8.00	12.51		12.51	0.000006	0.16	183.12	59.65	0.03
A22	1.18468*	PF 1	30.00	7.99	12.51		12.51	0.000006	0.16	183.26	59.65	0.03
A22	1.18243*	PF 1	30.00	7.99	12.51		12.51	0.000006	0.16	183.40	59.67	0.03
A22	1.18017*	PF 1	30.00	7.99	12.51		12.51	0.000006	0.16	183.54	59.68	0.03
A22	1.17792*	PF 1	30.00	7.99	12.51		12.51	0.000006	0.16	183.67	59.69	0.03
A22	1.17567*	PF 1	30.00	7.99	12.51		12.51	0.000005	0.16	183.81	59.70	0.03
A22	1.17342*	PF 1	30.00	7.98	12.51		12.51	0.000005	0.16	183.95	59.71	0.03
A22	1.17117*	PF 1	30.00	7.98	12.51		12.51	0.000005	0.16	184.10	59.72	0.03
A22	1.16891*	PF 1	30.00	7.98	12.51		12.51	0.000005	0.16	184.24	59.73	0.03
A22	1.16666*	PF 1	30.00	7.98	12.51		12.51	0.000005	0.16	184.38	59.74	0.03
A22	1.16441*	PF 1	30.00	7.97	12.51		12.51	0.000005	0.16	184.52	59.75	0.03
A22	1.16216*	PF 1	30.00	7.97	12.51		12.51	0.000005	0.16	184.66	59.76	0.03
A22	1.15990*	PF 1	30.00	7.97	12.51		12.51	0.000005	0.16	184.80	59.77	0.03
A22	1.15765*	PF 1	30.00	7.97	12.51		12.51	0.000005	0.16	184.94	59.78	0.03
A22	1.15540*	PF 1	30.00	7.97	12.51		12.51	0.000005	0.16	185.09	59.79	0.03
A22	1.15315*	PF 1	30.00	7.96	12.51		12.51	0.000005	0.16	185.22	59.80	0.03
A22	1.15089*	PF 1	30.00	7.96	12.51		12.51	0.000005	0.16	185.36	59.81	0.03
A22	1.14864*	PF 1	30.00	7.96	12.51		12.51	0.000005	0.16	185.51	59.82	0.03
A22	1.14639*	PF 1	30.00	7.96	12.51		12.51	0.000005	0.16	185.65	59.84	0.03
A22	1.14414*	PF 1	30.00	7.95	12.51		12.51	0.000005	0.16	185.79	59.84	0.03
A22	1.14189*	PF 1	30.00	7.95	12.51		12.51	0.000005	0.16	185.93	59.86	0.03
A22	1.13963*	PF 1	30.00	7.95	12.51		12.51	0.000005	0.16	186.07	59.87	0.03

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A22	1.13738*	PF 1	30.00	7.95	12.51		12.51	0.000005	0.16	186.21	59.88	0.03
A22	1.13513*	PF 1	30.00	7.94	12.51		12.51	0.000005	0.16	186.35	59.89	0.03
A22	1.13288*	PF 1	30.00	7.94	12.51		12.51	0.000005	0.16	186.49	59.90	0.03
A22	1.13062*	PF 1	30.00	7.94	12.51		12.51	0.000005	0.16	186.64	59.91	0.03
A22	1.12837*	PF 1	30.00	7.94	12.51		12.51	0.000005	0.16	186.78	59.92	0.03
A22	1.12612*	PF 1	30.00	7.94	12.51		12.51	0.000005	0.16	186.92	59.93	0.03
A22	1.12387*	PF 1	30.00	7.93	12.51		12.51	0.000005	0.16	187.06	59.94	0.03
A22	1.12162*	PF 1	30.00	7.93	12.51		12.51	0.000005	0.16	187.21	59.96	0.03
A22	1.11936*	PF 1	30.00	7.93	12.51		12.51	0.000005	0.16	187.34	59.97	0.03
A22	1.11711*	PF 1	30.00	7.93	12.51		12.51	0.000005	0.16	187.49	59.98	0.03
A22	1.11486*	PF 1	30.00	7.93	12.51		12.51	0.000005	0.16	187.63	59.99	0.03
A22	1.11261*	PF 1	30.00	7.92	12.51		12.51	0.000005	0.16	187.77	60.00	0.03
A22	1.11035*	PF 1	30.00	7.92	12.51		12.51	0.000005	0.16	187.92	60.01	0.03
A22	1.10810*	PF 1	30.00	7.92	12.51		12.51	0.000005	0.16	188.05	60.02	0.03
A22	1.10585*	PF 1	30.00	7.92	12.51		12.51	0.000005	0.16	188.20	60.03	0.03
A22	1.10360*	PF 1	30.00	7.92	12.51		12.51	0.000005	0.16	188.35	60.04	0.03
A22	1.10135*	PF 1	30.00	7.91	12.51		12.51	0.000005	0.16	188.49	60.05	0.03
A22	1.09909*	PF 1	30.00	7.91	12.51		12.51	0.000005	0.16	188.64	60.07	0.03
A22	1.09684*	PF 1	30.00	7.91	12.51		12.51	0.000005	0.16	188.78	60.08	0.03
A22	1.09459*	PF 1	30.00	7.91	12.51		12.51	0.000005	0.16	188.92	60.09	0.03
A22	1.09234*	PF 1	30.00	7.90	12.51		12.51	0.000005	0.16	189.07	60.10	0.03
A22	1.09008*	PF 1	30.00	7.90	12.51		12.51	0.000005	0.16	189.21	60.11	0.03
A22	1.08783*	PF 1	30.00	7.90	12.51		12.51	0.000005	0.16	189.35	60.12	0.03
A22	1.08558*	PF 1	30.00	7.90	12.51		12.51	0.000005	0.16	189.49	60.13	0.03
A22	1.08333*	PF 1	30.00	7.89	12.51		12.51	0.000005	0.16	189.63	60.15	0.03
A22	1.08107*	PF 1	30.00	7.89	12.50		12.51	0.000005	0.16	189.78	60.16	0.03
A22	1.07882*	PF 1	30.00	7.89	12.50		12.51	0.000005	0.16	189.93	60.17	0.03
A22	1.07657*	PF 1	30.00	7.89	12.50		12.51	0.000005	0.16	190.08	60.18	0.03
A22	1.07432*	PF 1	30.00	7.89	12.50		12.51	0.000005	0.16	190.22	60.19	0.03
A22	1.07207*	PF 1	30.00	7.88	12.50		12.51	0.000005	0.16	190.36	60.20	0.03
A22	1.06981*	PF 1	30.00	7.88	12.50		12.51	0.000005	0.16	190.51	60.21	0.03
A22	1.06756*	PF 1	30.00	7.88	12.50		12.51	0.000005	0.16	190.65	60.23	0.03
A22	1.06531*	PF 1	30.00	7.88	12.50		12.51	0.000005	0.16	190.79	60.24	0.03
A22	1.06306*	PF 1	30.00	7.88	12.50		12.51	0.000005	0.16	190.94	60.25	0.03
A22	1.06080*	PF 1	30.00	7.87	12.50		12.50	0.000005	0.16	191.08	60.26	0.03
A22	1.05855*	PF 1	30.00	7.87	12.50		12.50	0.000005	0.16	191.23	60.27	0.03
A22	1.05630*	PF 1	30.00	7.87	12.50		12.50	0.000005	0.16	191.38	60.28	0.03
A22	1.05405*	PF 1	30.00	7.87	12.50		12.50	0.000005	0.16	191.52	60.30	0.03
A22	1.0518*	PF 1	30.00	7.86	12.50		12.50	0.000005	0.16	191.67	60.31	0.03
A22	1.04954*	PF 1	30.00	7.86	12.50		12.50	0.000005	0.16	191.82	60.32	0.03
A22	1.04729*	PF 1	30.00	7.86	12.50		12.50	0.000005	0.16	191.96	60.33	0.03
A22	1.04504*	PF 1	30.00	7.86	12.50		12.50	0.000005	0.16	192.10	60.34	0.03
A22	1.04279*	PF 1	30.00	7.86	12.50		12.50	0.000005	0.16	192.25	60.35	0.03
A22	1.04053*	PF 1	30.00	7.85	12.50		12.50	0.000005	0.16	192.39	60.36	0.03
A22	1.03828*	PF 1	30.00	7.85	12.50		12.50	0.000005	0.16	192.54	60.38	0.03
A22	1.03603*	PF 1	30.00	7.85	12.50		12.50	0.000005	0.16	192.69	60.39	0.03
A22	1.03378*	PF 1	30.00	7.85	12.50		12.50	0.000005	0.16	192.84	60.40	0.03
A22	1.03152*	PF 1	30.00	7.84	12.50		12.50	0.000005	0.16	192.98	60.41	0.03
A22	1.02927*	PF 1	30.00	7.84	12.50		12.50	0.000005	0.16	193.13	60.42	0.03
A22	1.02702*	PF 1	30.00	7.84	12.50		12.50	0.000005	0.16	193.27	60.44	0.03
A22	1.02477*	PF 1	30.00	7.84	12.50		12.50	0.000005	0.16	193.42	60.45	0.03
A22	1.02252*	PF 1	30.00	7.83	12.50		12.50	0.000005	0.15	193.57	60.46	0.03
A22	1.02026*	PF 1	30.00	7.83	12.50		12.50	0.000005	0.15	193.70	60.47	0.03
A22	1.01801*	PF 1	30.00	7.83	12.50		12.50	0.000005	0.15	193.86	60.48	0.03
A22	1.01576*	PF 1	30.00	7.83	12.50		12.50	0.000005	0.15	194.01	60.50	0.03
A22	1.01351*	PF 1	30.00	7.83	12.50		12.50	0.000005	0.15	194.16	60.51	0.03
A22	1.01125*	PF 1	30.00	7.82	12.50		12.50	0.000005	0.15	194.30	60.52	0.03
A22	1.00900*	PF 1	30.00	7.82	12.50		12.50	0.000005	0.15	194.45	60.53	0.03
A22	1.00675*	PF 1	30.00	7.82	12.50		12.50	0.000005	0.15	194.59	60.54	0.03
A22	1.00450*	PF 1	30.00	7.82	12.50		12.50	0.000005	0.15	194.75	60.56	0.03
A22	1.00225*	PF 1	30.00	7.82	12.50		12.50	0.000005	0.15	194.89	60.57	0.03
A22	01	PF 1	30.00	7.81	12.50	8.79	12.50	0.000005	0.15	195.04	60.58	0.03