

COMUNE DI SOVICILLE (SI)

STUDIO IDROLOGICO E IDRAULICO DEI TORRENTI ROSIA, ARNANO, RIGO, SERPENNA, BUSSO E MULINELLO NEL COMUNE DI SOVICILLE

d.03.2 ALLEGATI DI CALCOLO DELLE VERIFICHE IDRAULICHE - ZONA ROSIA

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Il tecnico incaricato

Ing. Claudio Lombardi

Collaboratori

Ing. Alessio Magazzini

Ing. Alberto Nastasi

ALLEGATI DI CALCOLO APPLICATIVO HEC RAS -

Tabelle per tempi di ritorno 200 e 30 anni

HEC-RAS Locations: User Defined Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
T. Rosia	Rosia	25	Max WS	SC 200 2h	94.30		94.30		208.89	211.44	211.21	211.96	0.015577	3.20	29.49	19.29	0.83	0.83
T. Rosia	Rosia	25	Max WS	SC 200 5h	129.24		129.24	0.00	208.89	211.69	211.57	212.41	0.018153	3.74	34.55	20.08	0.91	0.91
T. Rosia	Rosia	24	Max WS	SC 200 2h	94.30	0.00	92.68	1.62	206.04	208.41	208.22	208.83	0.014002	2.89	33.86	27.89	0.83	0.78
T. Rosia	Rosia	24	Max WS	SC 200 5h	129.22	0.11	124.70	4.41	206.04	208.81	208.50	209.26	0.010875	3.02	45.28	29.17	0.76	0.72
T. Rosia	Rosia	23	Max WS	SC 200 2h	94.30		94.30		203.67	206.13	205.71	206.66	0.012494	3.24	29.10	14.31	0.73	0.73
T. Rosia	Rosia	23	Max WS	SC 200 5h	129.22		129.22		203.67	206.55	206.11	207.24	0.013431	3.67	35.17	14.68	0.76	0.76
T. Rosia	Rosia	22	Max WS	SC 200 2h	94.29		84.85	9.44	202.50	205.14	204.55	205.41	0.006157	2.36	44.72	27.46	0.57	0.54
T. Rosia	Rosia	22	Max WS	SC 200 5h	129.22		112.75	16.47	202.50	205.61	204.86	205.90	0.005625	2.51	57.89	29.30	0.54	0.53
T. Rosia	Rosia	21	Max WS	SC 200 2h	94.29		94.29		201.63	204.57	203.81	204.86	0.006844	2.41	39.20	21.11	0.56	0.56
T. Rosia	Rosia	21	Max WS	SC 200 5h	129.21		129.03	0.18	201.63	205.04	204.18	205.38	0.006909	2.59	50.45	28.35	0.62	0.58
T. Rosia	Rosia	20	Max WS	SC 200 2h	94.28		94.28		201.44	203.99	203.65	204.48	0.013048	3.10	30.40	17.86	0.76	0.76
T. Rosia	Rosia	20	Max WS	SC 200 5h	129.21		129.21		201.44	204.38	204.04	204.98	0.013534	3.44	37.55	19.31	0.79	0.79
T. Rosia	Rosia	19	Max WS	SC 200 2h	94.26		94.00	0.26	200.79	203.28	202.53	203.43	0.002913	1.74	54.86	42.04	0.49	0.46
T. Rosia	Rosia	19	Max WS	SC 200 5h	129.20		127.19	2.00	200.79	203.69	202.81	203.86	0.002579	1.82	75.35	60.05	0.52	0.44
T. Rosia	Rosia	18.5			Inl Struct													
T. Rosia	Rosia	18	Max WS	SC 200 2h	94.25		94.25		200.57	203.17	202.47	203.38	0.003535	2.00	47.12	29.23	0.50	0.50
T. Rosia	Rosia	18	Max WS	SC 200 5h	129.19		129.19		200.57	203.54	202.76	203.79	0.003610	2.21	58.40	31.40	0.52	0.52
T. Rosia	Rosia	17.65			Lat Struct													
T. Rosia	Rosia	17.6	Max WS	SC 200 2h	94.21		87.14	7.06	199.61	202.93	202.35	203.16	0.003840	2.21	47.88	33.39	0.57	0.52
T. Rosia	Rosia	17.6	Max WS	SC 200 5h	129.18		119.03	10.15	199.61	203.27	202.64	203.58	0.004160	2.54	60.32	44.85	0.67	0.56
T. Rosia	Rosia	17.5	Max WS	SC 200 2h	94.19		92.19	2.00	198.95	202.73	201.38	202.87	0.001586	1.70	62.46	114.13	0.52	0.34
T. Rosia	Rosia	17.5	Max WS	SC 200 5h	129.03		119.46	9.57	198.95	203.06	201.72	203.24	0.001785	1.95	84.58	128.41	0.56	0.37
T. Rosia	Rosia	17.49			Lat Struct													
T. Rosia	Rosia	17	Max WS	SC 200 2h	94.01		94.01		198.51	201.95	201.85	202.49	0.014602	3.28	28.69	61.82	0.90	0.90
T. Rosia	Rosia	17	Max WS	SC 200 5h	121.03		121.03		198.51	202.10	202.09	202.83	0.017429	3.80	31.87	91.28	0.99	0.99
T. Rosia	Rosia	16.51			Lat Struct													
T. Rosia	Rosia	16.5	Max WS	SC 200 2h	91.44		91.44		198.29	201.45	200.64	201.63	0.003544	1.89	48.45	126.92	0.49	0.49
T. Rosia	Rosia	16.5	Max WS	SC 200 5h	115.96		115.96		198.29	201.53	200.94	201.79	0.004934	2.28	50.88	128.26	0.58	0.58
T. Rosia	Rosia	16.4			Lat Struct													
T. Rosia	Rosia	16	Max WS	SC 200 2h	85.78		85.78		197.60	200.25	200.02	200.97	0.011661	3.76	22.84	120.37	0.84	0.84
T. Rosia	Rosia	16	Max WS	SC 200 5h	96.33		96.33		197.60	200.46	200.18	201.21	0.010679	3.82	25.21	133.05	0.82	0.82
T. Rosia	Rosia	15.75			Lat Struct													
T. Rosia	Rosia	15.6	Max WS	SC 200 2h	82.48		68.04	14.44	197.23	199.55	199.24	199.81	0.005470	2.46	41.13	40.62	0.65	0.60
T. Rosia	Rosia	15.6	Max WS	SC 200 5h	100.69		80.29	20.40	197.23	199.74	199.38	200.03	0.005459	2.62	47.29	40.69	0.64	0.61

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
T. Rosia	Rosia	15.5			Inl Struct													
T. Rosia	Rosia	15.4	Max WS	SC 200 2h	82.44		82.44		196.32	198.36	197.84	198.61	0.004656	2.22	37.18	31.11	0.57	0.57
T. Rosia	Rosia	15.4	Max WS	SC 200 5h	100.33		100.33		196.32	198.79	198.00	199.02	0.003189	2.10	47.80	33.84	0.48	0.48
T. Rosia	Rosia	15.35			Lat Struct													
T. Rosia	Rosia	15	Max WS	SC 200 2h	82.27		82.27		194.50	197.64	196.65	197.99	0.004638	2.61	31.58	67.66	0.54	0.54
T. Rosia	Rosia	15	Max WS	SC 200 5h	100.13		100.13		194.50	198.31	196.92	198.61	0.003399	2.43	41.16	130.01	0.48	0.48
T. Rosia	Rosia	14.6			Lat Struct													
T. Rosia	Rosia	14	Max WS	SC 200 2h	88.91		88.91		193.21	196.77	195.60	197.11	0.004244	2.59	34.32	11.90	0.49	0.49
T. Rosia	Rosia	14	Max WS	SC 200 5h	115.69		115.69		193.21	197.46	195.97	197.83	0.003805	2.71	42.65	69.47	0.46	0.46
T. Rosia	Rosia	13.5 BR U	Max WS	SC 200 2h	88.91		88.91		193.21	196.39	195.57	197.03	0.011882	3.54	25.15	6.39	0.63	0.63
T. Rosia	Rosia	13.5 BR U	Max WS	SC 200 5h	115.69		115.69		193.21	196.80	195.93	197.70	0.017046	4.21	27.47	4.88	0.71	0.71
T. Rosia	Rosia	13.5 BR D	Max WS	SC 200 2h	88.91		88.91		193.15	196.35	195.40	196.92	0.008957	3.33	26.67	6.55	0.59	0.59
T. Rosia	Rosia	13.5 BR D	Max WS	SC 200 5h	115.69		115.69		193.15	196.74	195.76	197.56	0.013174	4.00	28.93	5.10	0.67	0.67
T. Rosia	Rosia	13	Max WS	SC 200 2h	88.88		88.88		193.15	196.50	195.33	196.78	0.003154	2.36	37.72	29.51	0.47	0.47
T. Rosia	Rosia	13	Max WS	SC 200 5h	115.58		115.58		193.15	197.03	195.68	197.34	0.003486	2.49	46.33	58.08	0.50	0.50
T. Rosia	Rosia	12	Max WS	SC 200 2h	88.80		88.80		191.84	194.56	194.35	195.37	0.012407	3.98	22.29	43.02	0.87	0.87
T. Rosia	Rosia	12	Max WS	SC 200 5h	115.49		115.49		191.84	195.02	194.76	195.93	0.012055	4.24	27.26	55.38	0.87	0.87
T. Rosia	Rosia	10	Max WS	SC 200 2h	88.76		88.76		190.13	193.05	192.18	193.47	0.005518	2.87	30.87	11.83	0.57	0.57
T. Rosia	Rosia	10	Max WS	SC 200 5h	115.47		115.47		190.13	193.56	192.55	194.06	0.005553	3.12	37.03	12.14	0.57	0.57
T. Rosia	Rosia	9	Max WS	SC 200 2h	88.73		88.73		189.45	192.59	191.20	192.80	0.002300	2.04	43.60	15.56	0.39	0.39
T. Rosia	Rosia	9	Max WS	SC 200 5h	115.47		115.47		189.45	193.12	191.50	193.37	0.002338	2.22	51.97	15.97	0.39	0.39
T. Rosia	Rosia	8	Max WS	SC 200 2h	88.71		88.71		189.02	192.29	190.73	192.48	0.001942	1.92	46.20	15.67	0.36	0.36
T. Rosia	Rosia	8	Max WS	SC 200 5h	115.46		115.46		189.02	192.81	191.04	193.04	0.002044	2.12	54.44	16.07	0.37	0.37
T. Rosia	Rosia	7	Max WS	SC 200 2h	88.70		88.70		188.59	191.97	190.41	192.18	0.002091	2.01	44.18	15.14	0.38	0.38
T. Rosia	Rosia	7	Max WS	SC 200 5h	115.45		115.45		188.59	192.46	190.74	192.72	0.002257	2.23	51.78	15.73	0.39	0.39
T. Rosia	Rosia	6	Max WS	SC 200 2h	88.65		88.65		188.45	191.36	190.36	191.69	0.004067	2.56	34.63	13.64	0.51	0.51
T. Rosia	Rosia	6	Max WS	SC 200 5h	115.43		115.43		188.45	191.77	190.71	192.19	0.004459	2.86	40.33	14.10	0.54	0.54
T. Rosia	Rosia	5	Max WS	SC 200 2h	88.59		88.59		187.53	190.92	189.49	191.17	0.002677	2.22	39.98	13.74	0.41	0.41
T. Rosia	Rosia	5	Max WS	SC 200 5h	115.34		115.34		187.53	191.24	189.84	191.58	0.003350	2.59	44.50	14.06	0.47	0.47
T. Rosia	Rosia	4.9			Lat Struct													
T. Rosia	Rosia	4.8			Lat Struct													
T. Rosia	Rosia	4	Max WS	SC 200 2h	88.56		88.56		187.05	190.62	188.93	190.81	0.001870	1.94	45.70	15.26	0.36	0.36
T. Rosia	Rosia	4	Max WS	SC 200 5h	115.02		115.02		187.05	190.85	189.27	191.12	0.002549	2.34	49.14	122.90	0.42	0.42
T. Rosia	Rosia	3	Max WS	SC 200 2h	88.54		88.54		186.75	190.32	188.69	190.52	0.001960	1.97	44.91	166.61	0.37	0.37
T. Rosia	Rosia	3	Max WS	SC 200 5h	106.70		106.70		186.75	190.51	188.93	190.76	0.002327	2.24	47.71	167.34	0.40	0.40

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
T. Rosia	Rosia	2	Max WS	SC 200 2h	88.54		88.54		186.30	190.17	188.30	190.34	0.001630	1.85	47.82	15.37	0.34	0.34
T. Rosia	Rosia	2	Max WS	SC 200 5h	97.02		97.02		186.30	190.41	188.42	190.59	0.001579	1.88	51.59	15.58	0.33	0.33
T. Rosia	Rosia	1.8 BR U	Max WS	SC 200 2h	88.54		88.54		186.30	190.09	188.45	190.28		2.97		15.26	0.54	0.54
T. Rosia	Rosia	1.8 BR U	Max WS	SC 200 5h	97.02		97.10		186.30	190.34	188.58	190.53		2.88		15.58	0.50	0.50
T. Rosia	Rosia	1.8 BR D	Max WS	SC 200 2h	88.54		88.54		186.25	190.09	188.40	190.25		2.92		15.33	0.52	0.52
T. Rosia	Rosia	1.8 BR D	Max WS	SC 200 5h	97.02		97.10		186.25	190.31	188.53	190.47		2.83		15.58	0.50	0.50
T. Rosia	Rosia	1.5	Max WS	SC 200 2h	88.47		88.47		186.25	189.58	188.26	189.83	0.002748	2.23	39.70	14.60	0.43	0.43
T. Rosia	Rosia	1.5	Max WS	SC 200 5h	97.01		97.01		186.25	189.76	188.37	190.03	0.002740	2.29	42.42	14.86	0.43	0.43
T. Rosia	Rosia	1	Max WS	SC 200 2h	88.39		88.39		186.04	189.36	188.04	189.63	0.002996	2.31	38.23	13.56	0.44	0.44
T. Rosia	Rosia	1	Max WS	SC 200 5h	97.00		97.00		186.04	189.54	188.16	189.83	0.003024	2.38	40.69	13.77	0.44	0.44
T. Rosia	Rosia	0.5	Max WS	SC 200 2h	88.36		88.36		185.04	188.46	187.63	188.91	0.005710	2.98	29.63	95.43	0.61	0.61
T. Rosia	Rosia	0.5	Max WS	SC 200 5h	97.00		97.00		185.04	188.63	187.77	189.10	0.005708	3.06	31.74	96.40	0.61	0.61
F.sso Mulinello	Mulinello 1	15	Max WS	SC 200 2h	9.73		9.73		196.80	198.89	198.26	199.02	0.004015	1.59	6.12	92.70	0.45	0.45
F.sso Mulinello	Mulinello 1	15	Max WS	SC 200 5h	15.53		15.53		196.80	199.13	198.62	199.36	0.005806	2.14	7.25	99.66	0.55	0.55
F.sso Mulinello	Mulinello 1	14.71																
F.sso Mulinello	Mulinello 1	14.7																
F.sso Mulinello	Mulinello 1	14	Max WS	SC 200 2h	4.99	1.49	3.33	0.17	196.82	198.44		198.44	0.000441	0.37	26.19	135.84	0.22	0.15
F.sso Mulinello	Mulinello 1	14	Max WS	SC 200 5h	8.44	3.11	4.88	0.45	196.82	198.49		198.50	0.000719	0.50	33.58	139.82	0.26	0.19
F.sso Mulinello	Mulinello 1	13.5																
F.sso Mulinello	Mulinello 1	13	Max WS	SC 200 2h	4.90		4.90		196.76	198.02	197.50	198.08	0.003286	1.10	4.43	102.99	0.40	0.40
F.sso Mulinello	Mulinello 1	13	Max WS	SC 200 5h	8.44		8.44		196.76	198.12	197.78	198.26	0.006652	1.70	4.97	109.45	0.58	0.58
F.sso Mulinello	Mulinello 1	12.91																
F.sso Mulinello	Mulinello 1	12.9																
F.sso Mulinello	Mulinello 1	12	Max WS	SC 200 2h	1.55		1.55		196.17	197.31	196.69	197.33	0.001022	0.56	2.76	131.92	0.21	0.21
F.sso Mulinello	Mulinello 1	12	Max WS	SC 200 5h	4.59		4.59		196.17	197.33	197.08	197.46	0.008337	1.62	2.84	132.00	0.61	0.61
F.sso Mulinello	Mulinello 1	11	Max WS	SC 200 2h	7.68		4.91	2.77	193.00	194.21	194.19	194.31	0.008448	1.69	8.83	68.45	0.93	0.63
F.sso Mulinello	Mulinello 1	11	Max WS	SC 200 5h	8.55		5.19	3.36	193.00	194.23	194.22	194.33	0.008624	1.74	9.79	74.08	0.91	0.64
F.sso Mulinello	Mulinello 1	10.9																
F.sso Mulinello	Mulinello 1	10	Max WS	SC 200 2h	4.82	0.10	3.95	0.76	191.57	192.94		192.99	0.005067	1.02	8.44	89.03	0.96	0.47
F.sso Mulinello	Mulinello 1	10	Max WS	SC 200 5h	13.14	2.20	6.58	4.35	191.57	193.06		193.11	0.006945	1.37	22.50	143.34	0.81	0.57
F.sso Mulinello	Mulinello 1	9.75																
F.sso Mulinello	Mulinello 1	9.5	Max WS	SC 200 2h	7.31	0.66	4.66	2.00	191.44	192.88	192.84	192.91	0.004730	1.07	15.25	129.50	0.80	0.46
F.sso Mulinello	Mulinello 1	9.5	Max WS	SC 200 5h	13.12	2.67	5.85	4.59	191.44	192.95	192.92	192.99	0.004742	1.17	26.29	143.98	0.61	0.47

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Mulinello	Mulinello 1	9	Max WS	SC 200 2h	7.28	0.40	6.13	0.75	190.57	192.02	191.67	192.11	0.004216	1.48	8.27	35.72	0.91	0.46
F.sso Mulinello	Mulinello 1	9	Max WS	SC 200 5h	12.59	1.88	7.85	2.86	190.57	192.19	192.14	192.28	0.004160	1.63	18.87	87.87	0.90	0.47
F.sso Mulinello	Mulinello 1	8.5	Max WS	SC 200 2h	7.26	0.20	6.58	0.48	190.26	191.66	191.20	191.75	0.003841	1.41	7.93	40.28	0.96	0.43
F.sso Mulinello	Mulinello 1	8.5	Max WS	SC 200 5h	12.58	1.22	8.82	2.55	190.26	191.82	191.76	191.92	0.004408	1.65	16.53	71.07	0.92	0.47
F.sso Mulinello	Mulinello 1	8	Max WS	SC 200 2h	6.38	0.05	5.07	1.27	189.96	191.46	190.70	191.49	0.001238	0.86	14.81	80.14	0.57	0.24
F.sso Mulinello	Mulinello 1	8	Max WS	SC 200 5h	11.74	0.39	7.59	3.77	189.96	191.55	191.04	191.59	0.002210	1.20	23.25	107.34	0.67	0.33
F.sso Mulinello	Mulinello 1	7.9			Lat Struct													
F.sso Mulinello	Mulinello 1	7.5	Max WS	SC 200 2h	7.74	1.06	6.37	0.30	189.84	191.06	190.68	191.13	0.003585	1.33	11.23	71.16	0.97	0.42
F.sso Mulinello	Mulinello 1	7.5	Max WS	SC 200 5h	12.57	4.29	7.06	1.22	189.84	191.21	191.14	191.26	0.002775	1.29	25.27	116.42	0.67	0.38
F.sso Mulinello	Mulinello 1	7	Max WS	SC 200 2h	8.18	0.09	8.07	0.02	189.83	190.92	190.70	191.11	0.009145	1.94	4.86	26.50	1.44	0.66
F.sso Mulinello	Mulinello 1	7	Max WS	SC 200 5h	12.57	0.15	12.39	0.03	189.83	190.92	191.13	191.36	0.021482	2.98	4.88	26.82	2.21	1.02
F.sso Mulinello	Mulinello 2	6.9	Max WS	SC 200 2h	15.70	3.24	8.04	4.42	189.25	190.92	190.88	191.00	0.005159	1.71	20.72	73.33	0.77	0.49
F.sso Mulinello	Mulinello 2	6.9	Max WS	SC 200 5h	15.78	3.27	8.06	4.45	189.25	190.92	190.88	191.00	0.005174	1.71	20.79	73.37	0.77	0.49
F.sso Mulinello	Mulinello 2	6	Max WS	SC 200 2h	15.69	5.63	5.20	4.85	188.78	190.40	190.29	190.44	0.003280	1.33	28.57	86.95	0.47	0.38
F.sso Mulinello	Mulinello 2	6	Max WS	SC 200 5h	15.77	5.80	5.04	4.93	188.78	190.41	190.29	190.45	0.002956	1.27	29.84	87.66	0.44	0.36
F.sso Mulinello	Mulinello 2	5	Max WS	SC 200 2h	16.13	3.99	4.74	7.41	188.15	190.03	189.74	190.04	0.001271	0.90	37.39	77.99	0.27	0.25
F.sso Mulinello	Mulinello 2	5	Max WS	SC 200 5h	16.23	4.84	4.03	7.36	188.15	190.14	189.75	190.15	0.000702	0.70	46.20	78.24	0.18	0.19
F.sso Mulinello	Mulinello 2	4.5	Max WS	SC 200 2h	15.73	0.46	12.39	2.88	187.52	189.77		189.84	0.002052	1.27	26.18	123.12	0.78	0.31
F.sso Mulinello	Mulinello 2	4.5	Max WS	SC 200 5h	24.88	1.73	12.84	10.32	187.52	189.97		190.00	0.001643	1.18	57.29	202.07	0.52	0.28
F.sso Mulinello	Mulinello 2	4.25			Culvert													
F.sso Mulinello	Mulinello 2	4	Max WS	SC 200 2h	15.69	0.46	12.33	2.90	187.52	189.77	188.80	189.84	0.002032	1.26	26.29	123.47	0.78	0.31
F.sso Mulinello	Mulinello 2	4	Max WS	SC 200 5h	24.66	1.62	13.47	9.58	187.52	189.94	189.21	189.99	0.001879	1.25	52.44	190.75	0.57	0.30
F.sso Mulinello	Mulinello 2	3	Max WS	SC 200 2h	15.34	2.81	9.89	2.65	187.17	189.62	188.35	189.64	0.000391	0.66	51.30	131.23	0.27	0.16
F.sso Mulinello	Mulinello 2	3	Max WS	SC 200 5h	24.49	5.33	12.81	6.35	187.17	189.78	188.70	189.80	0.000493	0.78	73.99	155.39	0.27	0.18
F.sso Mulinello	Mulinello 2	2	Max WS	SC 200 2h	15.28	1.76	11.99	1.53	187.20	189.60	188.24	189.61	0.000373	0.67	44.78	143.94	0.34	0.16
F.sso Mulinello	Mulinello 2	2	Max WS	SC 200 5h	24.48	3.33	15.90	5.25	187.20	189.75	188.55	189.77	0.000504	0.83	68.19	169.58	0.34	0.19
F.sso Mulinello	Mulinello 3	1.85	Max WS	SC 200 2h	22.47	2.58	17.61	2.28	187.20	189.60	188.49	189.64	0.000805	0.99	44.69	140.13	0.50	0.23
F.sso Mulinello	Mulinello 3	1.85	Max WS	SC 200 5h	26.48	3.59	17.16	5.73	187.20	189.75	188.61	189.77	0.000587	0.89	66.61	153.32	0.35	0.20
F.sso Mulinello	Mulinello 3	1.8	Max WS	SC 200 2h	22.47	2.62	17.40	2.46	187.19	189.60		189.63	0.000772	0.97	46.05	140.97	0.48	0.23
F.sso Mulinello	Mulinello 3	1.8	Max WS	SC 200 5h	26.48	3.62	16.95	5.91	187.19	189.75		189.77	0.000563	0.88	68.09	154.17	0.34	0.20
F.sso Mulinello	Mulinello 3	1.65			Culvert													
F.sso Mulinello	Mulinello 3	1.5	Max WS	SC 200 2h	22.47		22.47		186.20	187.89	187.57	188.19	0.008790	2.44	9.19	7.33	0.70	0.70
F.sso Mulinello	Mulinello 3	1.5	Max WS	SC 200 5h	26.48		26.48		186.20	187.99	187.70	188.35	0.009857	2.67	9.93	7.55	0.74	0.74
F.sso Mulinello	Mulinello 3	1	Max WS	SC 200 2h	22.42		10.82	11.61	185.50	187.29	187.21	187.35	0.003975	1.57	35.55	125.64	0.68	0.46
F.sso Mulinello	Mulinello 3	1	Max WS	SC 200 5h	26.46		11.41	15.05	185.50	187.34	187.25	187.40	0.003904	1.59	42.23	138.22	0.63	0.46

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Mulinello	Mulinello 3	0.5	Max WS	SC 200 2h	22.38	0.06	10.74	11.58	184.59	186.65	186.55	186.72	0.003787	1.61	33.41	113.71	0.68	0.44
F.sso Mulinello	Mulinello 3	0.5	Max WS	SC 200 5h	26.45	0.26	11.57	14.62	184.59	186.70	186.58	186.77	0.003908	1.67	39.56	139.55	0.70	0.45
F. sso del Busso	Busso	16	Max WS	SC 200 2h	4.58		4.58		240.11	240.77	240.91	241.25	0.088000	3.05	1.50	3.77	1.54	1.54
F. sso del Busso	Busso	16	Max WS	SC 200 5h	3.33		3.33		240.11	240.68	240.81	241.09	0.091416	2.85	1.17	3.35	1.54	1.54
F. sso del Busso	Busso	15	Max WS	SC 200 2h	4.58		4.58		224.76	225.47	225.69	226.17	0.113359	3.69	1.24	2.51	1.67	1.67
F. sso del Busso	Busso	15	Max WS	SC 200 5h	3.33		3.33		224.76	225.36	225.55	225.97	0.123515	3.49	0.96	2.30	1.72	1.72
F. sso del Busso	Busso	14	Max WS	SC 200 2h	4.58		4.58		217.67	218.77	218.38	218.90	0.011854	1.59	2.89	2.86	0.50	0.50
F. sso del Busso	Busso	14	Max WS	SC 200 5h	3.33		3.33		217.67	218.58	218.25	218.68	0.011211	1.42	2.34	2.78	0.49	0.49
F. sso del Busso	Busso	13.5 BR U	Max WS	SC 200 2h	4.58		4.56		217.67	218.39	218.39	218.75	0.028232	2.67	1.71	2.40	1.01	1.01
F. sso del Busso	Busso	13.5 BR U	Max WS	SC 200 5h	3.33		3.33		217.67	218.25	218.25	218.55	0.030242	2.41	1.38	2.40	1.01	1.01
F. sso del Busso	Busso	13.5 BR D	Max WS	SC 200 2h	4.58		4.56		217.37	218.14	218.14	218.50	0.027419	2.64	1.73	2.40	0.96	0.96
F. sso del Busso	Busso	13.5 BR D	Max WS	SC 200 5h	3.33		3.33		217.37	218.00	218.00	218.29	0.029300	2.38	1.40	2.40	0.96	0.96
F. sso del Busso	Busso	13	Max WS	SC 200 2h	4.58		4.58		217.37	218.06	218.10	218.39	0.047960	2.57	1.78	15.79	1.11	1.11
F. sso del Busso	Busso	13	Max WS	SC 200 5h	3.33		3.33		217.37	217.94	217.98	218.23	0.050344	2.37	1.40	15.60	1.12	1.12
F. sso del Busso	Busso	12	Max WS	SC 200 2h	4.55		4.55		207.23	208.10	208.18	208.46	0.051270	2.64	1.72	49.00	1.19	1.19
F. sso del Busso	Busso	12	Max WS	SC 200 5h	3.32		3.32		207.23	208.00	208.05	208.29	0.048975	2.39	1.39	47.88	1.14	1.14
F. sso del Busso	Busso	11	Max WS	SC 200 2h	6.21		6.21		200.17	201.34	201.29	201.59	0.027554	2.21	2.82	4.43	0.88	0.88
F. sso del Busso	Busso	11	Max WS	SC 200 5h	4.58		4.58		200.17	201.19	201.15	201.42	0.030756	2.11	2.17	3.96	0.91	0.91
F. sso del Busso	Busso	10.5	Max WS	SC 200 2h	6.22		6.22		199.53	200.56	200.62	200.96	0.047341	2.79	2.23	3.57	1.13	1.13
F. sso del Busso	Busso	10.5	Max WS	SC 200 5h	4.58		4.58		199.53	200.43	200.47	200.77	0.047386	2.58	1.77	3.20	1.11	1.11
F. sso del Busso	Busso	10.4			Lat Struct													
F. sso del Busso	Busso	10	Max WS	SC 200 2h	6.13		6.13		198.90	200.16	199.92	200.36	0.017016	1.95	3.14	3.72	0.68	0.68
F. sso del Busso	Busso	10	Max WS	SC 200 5h	4.58		4.58		198.90	199.83	199.78	200.09	0.031488	2.27	2.02	3.10	0.90	0.90
F. sso del Busso	Busso	9	Max WS	SC 200 2h	7.97		7.97		197.63	199.94	198.72	200.01	0.003160	1.18	6.77	11.87	0.27	0.27
F. sso del Busso	Busso	9	Max WS	SC 200 5h	5.69		5.69		197.63	199.48	198.53	199.54	0.003658	1.10	5.18	6.28	0.28	0.28
F. sso del Busso	Busso	8.5 BR U	Max WS	SC 200 2h	7.97		7.97		197.66	199.94	198.94	200.01		2.49		80.95	0.57	0.57
F. sso del Busso	Busso	8.5 BR U	Max WS	SC 200 5h	5.69		5.69		197.66	199.23	198.70	199.54	0.024102	1.94	2.93		0.49	0.49
F. sso del Busso	Busso	8.5 BR D	Max WS	SC 200 2h	7.97		7.97		197.75	199.94	198.94	200.00		2.47		78.60	0.58	0.58
F. sso del Busso	Busso	8.5 BR D	Max WS	SC 200 5h	5.69		5.69		197.75	199.01	198.70	199.17	0.007962	2.29	2.48	2.00	0.65	0.65
F. sso del Busso	Busso	8	Max WS	SC 200 2h	7.97		7.97		197.75	199.15	198.87	199.39	0.019718	2.14	3.72	3.38	0.65	0.65
F. sso del Busso	Busso	8	Max WS	SC 200 5h	5.68		5.68		197.75	199.01	198.68	199.16	0.014916	1.76	3.23	3.31	0.57	0.57
F. sso del Busso	Busso	7.9	Max WS	SC 200 2h	7.97		7.97		197.66	198.65	198.77	199.23	0.073208	3.39	2.35	3.18	1.26	1.26
F. sso del Busso	Busso	7.9	Max WS	SC 200 5h	5.68		5.68		197.66	198.44	198.59	199.00	0.095125	3.33	1.71	3.08	1.42	1.42
F. sso del Busso	Doccino	7.9	Max WS	SC 200 2h	3.08		3.08		216.34	217.27	217.24	217.66	0.102422	2.76	1.12	1.27	0.94	0.94
F. sso del Busso	Doccino	7.9	Max WS	SC 200 5h	2.12		2.12		216.34	217.05	217.05	217.38	0.103862	2.55	0.83	1.24	0.99	0.99
F. sso del Busso	Doccino	7	Max WS	SC 200 2h	3.08		3.08	0.00	212.77	213.78	213.65	214.10	0.079211	2.52	1.22	12.58	0.93	0.82

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F. sso del Busso	Doccino	7	Max WS	SC 200 5h	2.12		2.12		212.77	213.57	213.47	213.82	0.072377	2.22	0.96	1.25	0.81	0.81
F. sso del Busso	Doccino	6.9			Lat Struct													
F. sso del Busso	Doccino	6	Max WS	SC 200 2h	2.85		2.85		211.42	212.33	212.28	212.69	0.098057	2.66	1.07	1.24	0.91	0.91
F. sso del Busso	Doccino	6	Max WS	SC 200 5h	1.35		1.35		211.42	212.03	211.95	212.22	0.064573	1.90	0.71	1.21	0.79	0.79
F. sso del Busso	Doccino	5	Max WS	SC 200 2h	2.80		2.75	0.05	208.50	209.56	209.34	209.81	0.060224	2.22	1.34	19.39	1.11	0.69
F. sso del Busso	Doccino	5	Max WS	SC 200 5h	2.11		2.11		208.50	209.50	209.19	209.66	0.043829	1.82	1.16	16.59	0.58	0.58
F. sso del Busso	Doccino	4	Max WS	SC 200 2h	1.66		1.33	0.33	207.10	207.95	207.77	208.04	0.031962	1.51	1.70	40.55	1.41	0.55
F. sso del Busso	Doccino	4	Max WS	SC 200 5h	1.66		1.35	0.31	207.10	207.94	207.77	208.04	0.033161	1.54	1.66	40.49	1.46	0.56
F. sso del Busso	Doccino	3	Max WS	SC 200 2h	1.34		1.33	0.01	206.28	207.03	207.00	207.27	0.085771	2.19	0.62	18.30	1.05	0.88
F. sso del Busso	Doccino	3	Max WS	SC 200 5h	1.34		1.33	0.01	206.28	207.02	206.99	207.27	0.085745	2.18	0.62	18.30	1.04	0.88
F. sso del Busso	Doccino	1.8	Max WS	SC 200 2h	1.03		1.03		203.16	204.19		204.23	0.009692	0.85	1.21	1.17	0.27	0.27
F. sso del Busso	Doccino	1.8	Max WS	SC 200 5h	1.03		1.03		203.16	204.19		204.23	0.009692	0.85	1.21	1.17	0.27	0.27
F. sso del Busso	Doccino	1.5			Culvert													
F. sso del Busso	Doccino	1	Max WS	SC 200 2h	1.02		1.02		197.90	198.69	198.33	198.75	0.019135	1.11	0.92	1.17	0.40	0.40
F. sso del Busso	Doccino	1	Max WS	SC 200 5h	1.03		1.03		197.90	198.51	198.33	198.62	0.036502	1.43	0.72	1.17	0.58	0.58
F. sso del Busso	Doccino	0.5	Max WS	SC 200 2h	1.02		1.02		197.54	198.65	197.97	198.68	0.008099	0.79	1.29	1.17	0.24	0.24
F. sso del Busso	Doccino	0.5	Max WS	SC 200 5h	1.03		1.03		197.54	198.44	197.97	198.49	0.013594	0.97	1.05	1.17	0.33	0.33
F. sso del Busso	Busso 2	7.75	Max WS	SC 200 2h	8.99		8.99		197.34	198.65	198.54	199.01	0.026434	2.69	3.34	3.32	0.86	0.86
F. sso del Busso	Busso 2	7.75	Max WS	SC 200 5h	6.71		6.71		197.34	198.44	198.37	198.76	0.027554	2.51	2.67	3.19	0.88	0.88
F. sso del Busso	Busso 2	7.59			Lat Struct													
F. sso del Busso	Busso 2	7.2			Lat Struct													
F. sso del Busso	Busso 2	7	Max WS	SC 200 2h	9.34		9.34		195.29	196.67	196.61	197.00	0.021439	2.53	3.70	30.22	0.89	0.89
F. sso del Busso	Busso 2	7	Max WS	SC 200 5h	6.91		6.91		195.29	196.57	196.41	196.80	0.017497	2.12	3.27	12.37	0.79	0.79
F. sso del Busso	Busso 2	6	Max WS	SC 200 2h	8.51		8.51		194.05	195.53	195.39	195.84	0.020479	2.44	3.49	10.35	0.83	0.83
F. sso del Busso	Busso 2	6	Max WS	SC 200 5h	6.91		6.91		194.05	195.46	195.25	195.70	0.016103	2.15	3.21	9.22	0.73	0.73
F. sso del Busso	Busso 2	5.6	Max WS	SC 200 2h	8.53		6.77	1.76	193.76	195.47	195.11	195.57	0.006742	1.53	6.91	26.61	0.57	0.49
F. sso del Busso	Busso 2	5.6	Max WS	SC 200 5h	6.91		5.67	1.24	193.76	195.40	194.98	195.49	0.005787	1.37	6.20	10.71	0.53	0.45
F. sso del Busso	Busso 2	5.5 BR U	Max WS	SC 200 2h	8.53		5.51	3.00	193.76	195.44	195.41	195.55		1.90		10.99	0.44	0.44
F. sso del Busso	Busso 2	5.5 BR U	Max WS	SC 200 5h	6.91		4.94	1.96	193.76	195.32	195.35	195.43		2.12		10.12	0.53	0.53
F. sso del Busso	Busso 2	5.5 BR D	Max WS	SC 200 2h	8.53		5.51	3.00	193.47	195.19	195.19	195.39		1.32		10.08	0.49	0.49
F. sso del Busso	Busso 2	5.5 BR D	Max WS	SC 200 5h	6.91		4.94	1.96	193.47	195.13	195.13	195.31		1.37		9.81	0.47	0.47
F. sso del Busso	Busso 2	5.3	Max WS	SC 200 2h	8.49		8.49		193.47	194.95	194.84	195.26	0.021601	2.50	3.39	3.89	0.86	0.86
F. sso del Busso	Busso 2	5.3	Max WS	SC 200 5h	6.91		6.91		193.47	194.82	194.71	195.11	0.020742	2.35	2.94	3.59	0.83	0.83
F. sso del Busso	Busso 2	5	Max WS	SC 200 2h	8.37		8.21	0.16	193.19	194.73	194.55	194.98	0.016750	2.23	4.07	21.70	1.04	0.76
F. sso del Busso	Busso 2	5	Max WS	SC 200 5h	6.91		6.91		193.19	194.60	194.43	194.85	0.017179	2.18	3.17	3.77	0.76	0.76

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F. sso del Busso	Busso 2	4.9			Lat Struct													
F. sso del Busso	Busso 2	4	Max WS	SC 200 2h	8.36		8.11	0.25	192.30	193.79	193.78	194.09	0.019864	2.44	3.78	7.63	1.09	0.81
F. sso del Busso	Busso 2	4	Max WS	SC 200 5h	6.91		6.87	0.04	192.30	193.72	193.55	193.97	0.018266	2.25	3.20	7.38	1.09	0.77
F. sso del Busso	Busso 2	3	Max WS	SC 200 2h	8.19		8.19		192.10	193.56	193.33	193.77	0.012112	2.02	4.05	14.38	0.68	0.68
F. sso del Busso	Busso 2	3	Max WS	SC 200 5h	6.87		6.87		192.10	193.51	193.23	193.68	0.010289	1.80	3.83	14.19	0.62	0.62
F. sso del Busso	Busso 2	2	Max WS	SC 200 2h	7.50		7.45	0.05	191.19	192.65	192.51	192.86	0.015933	2.03	3.78	6.23	0.83	0.77
F. sso del Busso	Busso 2	2	Max WS	SC 200 5h	6.69		6.67	0.02	191.19	192.59	192.46	192.79	0.016033	1.99	3.42	5.64	0.81	0.77
F. sso del Busso	Busso 2	1	Max WS	SC 200 2h	7.46		7.39	0.07	190.28	191.92	191.54	192.04	0.007029	1.52	5.07	20.55	0.59	0.52
F. sso del Busso	Busso 2	1	Max WS	SC 200 5h	6.69		6.68	0.02	190.28	191.82	191.49	191.94	0.007919	1.55	4.37	6.34	0.60	0.55
F. sso del Busso	Busso 2	0.9	Max WS	SC 200 2h	7.51		7.51		189.99	190.92	191.25	191.92	0.114866	4.45	1.69	3.13	1.93	1.93
F. sso del Busso	Busso 2	0.9	Max WS	SC 200 5h	3.20		3.20		189.99	190.92	190.84	191.10	0.020794	1.89	1.69	3.13	0.82	0.82
F.sso Canale	Canale	11	Max WS	SC 200 2h	7.21		7.21		210.42	211.46	211.22	211.65	0.010002	1.92	3.75	4.15	0.65	0.65
F.sso Canale	Canale	11	Max WS	SC 200 5h	4.91		4.91		210.42	211.12	211.05	211.34	0.017527	2.06	2.38	3.93	0.84	0.84
F.sso Canale	Canale	10	Max WS	SC 200 2h	7.21		7.21		209.71	210.29	210.47	210.90	0.056999	3.45	2.09	4.12	1.55	1.55
F.sso Canale	Canale	10	Max WS	SC 200 5h	4.91		4.91		209.71	210.20	210.31	210.62	0.048192	2.87	1.71	3.99	1.40	1.40
F.sso Canale	Canale	9	Max WS	SC 200 2h	7.21		7.21		208.22	208.88	208.92	209.23	0.027858	2.62	2.75	4.92	1.12	1.12
F.sso Canale	Canale	9	Max WS	SC 200 5h	4.91		4.91		208.22	208.70	208.77	209.03	0.036815	2.55	1.93	4.53	1.25	1.25
F.sso Canale	Canale	8	Max WS	SC 200 2h	7.21		7.21		207.15	208.59	208.02	208.65	0.002267	1.09	6.63	6.50	0.34	0.34
F.sso Canale	Canale	8	Max WS	SC 200 5h	4.91		4.91		207.15	208.29	207.88	208.35	0.002787	1.03	4.75	6.13	0.38	0.38
F.sso Canale	Canale	7.5 BR U	Max WS	SC 200 2h	7.21		7.21		207.15	208.38	208.15	208.64	0.007799	2.26	3.19	3.00	0.65	0.65
F.sso Canale	Canale	7.5 BR U	Max WS	SC 200 5h	4.91		4.91		207.15	208.11	207.96	208.32	0.009511	2.05	2.39	3.00	0.67	0.67
F.sso Canale	Canale	7.5 BR D	Max WS	SC 200 2h	7.21		7.21		206.78	208.39	207.85	208.55	0.003709	1.74	4.14	3.00	0.44	0.44
F.sso Canale	Canale	7.5 BR D	Max WS	SC 200 5h	4.91		4.91		206.78	208.12	207.66	208.23	0.003587	1.48	3.32	3.00	0.41	0.41
F.sso Canale	Canale	7	Max WS	SC 200 2h	7.20		7.20		206.78	207.60	207.84	208.36	0.070551	3.85	1.87	3.70	1.72	1.72
F.sso Canale	Canale	7	Max WS	SC 200 5h	4.91		4.91		206.78	207.48	207.67	208.08	0.069883	3.43	1.43	3.36	1.68	1.68
F.sso Canale	Canale	6	Max WS	SC 200 2h	7.20		7.20		201.21	202.02	201.91	202.20	0.012196	1.88	3.83	6.39	0.78	0.78
F.sso Canale	Canale	6	Max WS	SC 200 5h	4.91		4.91		201.21	201.84	201.78	202.00	0.014514	1.78	2.77	5.80	0.82	0.82
F.sso Canale	Canale	5	Max WS	SC 200 2h	7.20		7.20		197.39	198.16	198.32	198.74	0.045739	3.36	2.14	3.69	1.41	1.41
F.sso Canale	Canale	5	Max WS	SC 200 5h	4.91		4.91		197.39	198.02	198.14	198.47	0.044649	2.99	1.64	3.38	1.37	1.37
F.sso Canale	Canale	4	Max WS	SC 200 2h	7.20		7.20		193.94	194.65	194.60	194.88	0.016585	2.13	3.38	5.78	0.89	0.89
F.sso Canale	Canale	4	Max WS	SC 200 5h	4.91		4.91		193.94	194.50	194.46	194.69	0.017172	1.91	2.57	5.41	0.88	0.88
F.sso Canale	Canale	3.9			Lat Struct													
F.sso Canale	Canale	3	Max WS	SC 200 2h	7.20		7.20		191.75	192.81	192.68	193.04	0.013157	2.12	3.39	4.59	0.79	0.79
F.sso Canale	Canale	3	Max WS	SC 200 5h	4.91		4.91		191.75	192.62	192.51	192.81	0.013463	1.93	2.54	4.10	0.78	0.78
F.sso Canale	Canale	2	Max WS	SC 200 2h	7.20		7.20		189.85	191.04	190.98	191.38	0.019851	2.56	2.81	3.51	0.91	0.91

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Canale	Canale	2	Max WS	SC 200 5h	4.91		4.91		189.85	190.84	190.77	191.11	0.019267	2.29	2.14	3.13	0.89	0.89
F.sso Canale	Canale	1	Max WS	SC 200 2h	7.19	0.54	6.65		187.76	189.60	188.92	189.63	0.002385	0.88	9.27	68.30	0.39	0.34
F.sso Canale	Canale	1	Max WS	SC 200 5h	2.00	0.24	1.76		187.76	189.75	188.38	189.75	0.000088	0.19	12.06	68.44	0.07	0.07

HEC-RAS Locations: User Defined Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Culv Group (m3/s)	Q Weir (m3/s)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. US. (m)	E.G. IC (m)	E.G. OC (m)	Culv Vel US (m/s)
F.sso Mulinello	Mulinello 1	13.5	Max WS	SC 200 2h	4.99	0.82	4.14	198.30	198.45	198.44	198.45	198.44	198.45	1.63
F.sso Mulinello	Mulinello 1	13.5	Max WS	SC 200 5h	8.44	0.74	7.78	198.30	198.50	198.49	198.50	198.50	198.50	1.48
F.sso Mulinello	Mulinello 1	9.75	Max WS	SC 200 2h	4.82	1.21	3.61	192.80	192.98	192.94	192.98	192.97	192.98	1.07
F.sso Mulinello	Mulinello 1	9.75	Max WS	SC 200 5h	13.14	1.26	12.05	192.80	193.07	193.06	193.07	193.07	193.07	1.11
F.sso Mulinello	Mulinello 2	4.25	Max WS	SC 200 2h	-15.73	-0.31	14.79	188.74	189.84	189.77	189.84	187.80	189.84	-0.34
F.sso Mulinello	Mulinello 2	4.25	Max WS	SC 200 5h	24.88	0.32	23.92	188.74	189.99	189.97	189.99	187.84	189.99	0.35
F.sso Mulinello	Mulinello 3	1.65	Max WS	SC 200 2h	22.47	14.25	8.48	189.35	189.53	189.60	189.53	189.53	189.53	2.89
F.sso Mulinello	Mulinello 3	1.65	Max WS	SC 200 5h	26.48	14.52	11.79	189.35	189.57	189.75	189.57	189.57	189.57	2.93
F. sso del Busso	Doccino	1.5	Max WS	SC 200 2h	1.03	1.03		205.24	204.23	204.19	204.23	204.23	204.15	2.47
F. sso del Busso	Doccino	1.5	Max WS	SC 200 5h	1.03	1.03		205.24	204.23	204.19	204.23	204.23	204.15	2.47

HEC-RAS Locations: User Defined Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q US (m3/s)	Q Leaving Total (m3/s)	Q DS (m3/s)	Q Weir (m3/s)	Wr Top Width (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. DS (m)	W.S. DS (m)
T. Rosia	Rosia	17.65	Max WS	SC 200 2h	94.25	0.00	94.19	0.00				203.00	203.38	203.17	202.87	202.73
T. Rosia	Rosia	17.65	Max WS	SC 200 5h	129.19	0.14	129.03	0.14	19.26	0.06	0.03	203.00	203.79	203.54	203.24	203.06
T. Rosia	Rosia	17.49	Max WS	SC 200 2h	94.19	0.17	91.44	0.17	19.50	0.07	0.04	201.69	202.87	202.73	201.63	201.45
T. Rosia	Rosia	17.49	Max WS	SC 200 5h	129.03	7.99	115.96	7.99	71.80	0.38	0.20	201.69	203.24	203.06	201.79	201.53
T. Rosia	Rosia	16.51	Max WS	SC 200 2h	94.01	6.21	85.78	6.21	112.12	0.23	0.13	200.32	202.49	201.95	200.97	200.25
T. Rosia	Rosia	16.51	Max WS	SC 200 5h	121.03	16.40	96.33	16.40	134.43	0.31	0.23	200.32	202.83	202.10	201.21	200.46
T. Rosia	Rosia	16.4	Max WS	SC 200 2h	91.44	0.23	82.48	0.23	133.40	0.21	0.08	199.89	201.63	201.45	199.81	199.55
T. Rosia	Rosia	16.4	Max WS	SC 200 5h	115.96	-5.67	100.69	-5.67	173.51	0.42	0.23	199.89	201.79	201.53	200.03	199.74
T. Rosia	Rosia	15.75	Max WS	SC 200 2h	85.78	5.04	82.48	5.04	9.50	0.73	0.60	198.82	200.97	200.25	199.81	199.55
T. Rosia	Rosia	15.75	Max WS	SC 200 5h	96.33	9.59	100.69	9.59	104.93	0.92	0.13	198.82	201.21	200.46	200.03	199.74
T. Rosia	Rosia	15.35	Max WS	SC 200 2h	82.44	0.00	82.27	0.00				198.46	198.61	198.36	197.99	197.64
T. Rosia	Rosia	15.35	Max WS	SC 200 5h	100.33	0.00	100.13	0.00				198.46	199.02	198.79	198.61	198.31
T. Rosia	Rosia	14.6	Max WS	SC 200 2h	82.27	-6.71	88.91	-6.71	59.72	0.40	0.20	197.21	197.99	197.64	197.11	196.77
T. Rosia	Rosia	14.6	Max WS	SC 200 5h	100.13	-15.54	115.69	-15.54	101.13	0.68	0.34	197.21	198.61	198.31	197.83	197.46
T. Rosia	Rosia	4.9	Max WS	SC 200 2h	88.59	0.00	88.54	0.00				190.32	191.17	190.92	190.35	190.17
T. Rosia	Rosia	4.9	Max WS	SC 200 5h	115.34	9.11	97.02	9.11	246.77	0.16	0.10	190.32	191.58	191.24	190.59	190.41
T. Rosia	Rosia	4.8	Max WS	SC 200 2h	88.59	0.00	88.54	0.00	1.88	0.00	0.00	190.32	191.17	190.92	190.35	190.17
T. Rosia	Rosia	4.8	Max WS	SC 200 5h	115.34	8.97	97.02	8.97	216.95	0.19	0.10	190.32	191.58	191.24	190.59	190.41
F.sso Mulinello	Mulinello 1	14.71	Max WS	SC 200 2h	9.73	-0.49	4.99	-0.49	187.80	0.18	0.13	198.33	198.79	198.68	198.44	198.44
F.sso Mulinello	Mulinello 1	14.71	Max WS	SC 200 5h	15.53	-5.98	8.44	-5.98	187.80	0.28	0.21	198.33	198.96	198.74	198.50	198.49
F.sso Mulinello	Mulinello 1	14.7	Max WS	SC 200 2h	9.73	6.72	4.99	6.72	187.80	0.16	0.10	198.28	198.79	198.68	198.44	198.44
F.sso Mulinello	Mulinello 1	14.7	Max WS	SC 200 5h	15.53	14.61	8.44	14.61	187.80	0.21	0.17	198.28	198.96	198.74	198.50	198.49
F.sso Mulinello	Mulinello 1	12.91	Max WS	SC 200 2h	4.90	-0.73	7.65	0.00				198.27	198.08	198.02	196.91	196.78
F.sso Mulinello	Mulinello 1	12.91	Max WS	SC 200 5h	8.44	-2.99	8.54	-2.15	132.49	0.08	0.06	198.27	198.26	198.12	197.02	196.86
F.sso Mulinello	Mulinello 1	12.9	Max WS	SC 200 2h	4.90	0.82	1.55	0.82	51.97	0.11	0.05	197.76	198.08	198.02	197.33	197.31
F.sso Mulinello	Mulinello 1	12.9	Max WS	SC 200 5h	8.44	5.43	4.59	5.43	99.35	0.21	0.13	197.76	198.26	198.12	197.46	197.33
F.sso Mulinello	Mulinello 1	10.9	Max WS	SC 200 2h	7.68	-0.74	7.23	-0.74	20.17	0.19	0.09	193.13	194.31	194.21	193.27	193.23
F.sso Mulinello	Mulinello 1	10.9	Max WS	SC 200 5h	8.55	-4.13	8.67	-4.13	49.17	0.42	0.20	193.13	194.33	194.23	193.47	193.47
F.sso Mulinello	Mulinello 1	7.9	Max WS	SC 200 2h	6.38	-1.25	8.18	-1.25	49.66	0.15	0.07	191.18	191.49	191.46	191.11	190.92
F.sso Mulinello	Mulinello 1	7.9	Max WS	SC 200 5h	11.74	-0.15	12.57	-0.15	9.60	0.07	0.06	191.18	191.59	191.55	191.36	190.93
F. sso del Busso	Busso	10.4	Max WS	SC 200 2h	6.22	-2.05	7.97	-2.05	14.54	0.44	0.22	199.71	200.96	200.56	200.01	199.94
F. sso del Busso	Busso	10.4	Max WS	SC 200 5h	4.58	-1.29	5.69	-1.29	12.08	0.37	0.18	199.71	200.77	200.43	199.54	199.48
F. sso del Busso	Doccino	6.9	Max WS	SC 200 2h	3.08	3.28	1.03	3.28	81.45	0.16	0.06	205.77	214.10	213.78	205.99	205.53

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q US (m3/s)	Q Leaving Total (m3/s)	Q DS (m3/s)	Q Weir (m3/s)	Wr Top Width (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. DS (m)	W.S. DS (m)
F. sso del Busso	Doccino	6.9	Max WS	SC 200 5h	2.12	2.09	1.03	2.09	64.20	0.16	0.05	205.77	213.82	213.57	205.99	205.53
F. sso del Busso	Busso 2	7.59	Max WS	SC 200 2h	8.97	0.00	9.34	0.00				197.21	198.66	198.37	197.00	196.67
F. sso del Busso	Busso 2	7.59	Max WS	SC 200 5h	6.70	0.00	6.91	0.00				197.21	198.40	198.15	196.80	196.57
F. sso del Busso	Busso 2	7.2	Max WS	SC 200 2h	9.37	0.58	8.51	0.58	49.84	0.06	0.05	195.80	197.84	197.37	196.06	195.77
F. sso del Busso	Busso 2	7.2	Max WS	SC 200 5h	6.99	0.00	6.91	0.00				195.80	197.60	197.19	195.91	195.67
F. sso del Busso	Busso 2	4.9	Max WS	SC 200 2h	8.37	0.86	7.46	0.86	55.28	0.12	0.05	191.91	194.98	194.73	192.04	191.92
F. sso del Busso	Busso 2	4.9	Max WS	SC 200 5h	6.91	0.22	6.69	0.22	25.10	0.07	0.04	191.91	194.85	194.60	191.94	191.82
F.sso Canale	Canale	3.9	Max WS	SC 200 2h	7.20	0.00	7.19	0.00				189.80	194.88	194.65	189.64	189.60
F.sso Canale	Canale	3.9	Max WS	SC 200 5h	4.91	0.00	2.00	0.00				189.80	194.69	194.50	189.75	189.75

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Inflow (m3/s)	Outflow (m3/s)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
A1	Max WS	SC 200 2h	200.10	200.00	0.00	0.00	0.00	0.01	0.00
A1	Max WS	SC 200 5h	201.63	200.00	0.14	0.00	0.14	0.86	0.29
A2	Max WS	SC 200 2h	199.72	198.30	0.17	0.00	0.17	0.36	0.30
A2	Max WS	SC 200 5h	201.50	198.30	7.99	7.98	0.01	2.69	2.38
A3	Max WS	SC 200 2h	200.02	198.25	0.23	0.23	0.00	1.66	0.19
A3	Max WS	SC 200 5h	200.21	198.25	7.98	7.99	-0.01	1.66	0.51
B1	Max WS	SC 200 2h	202.65	202.55	0.00	0.00	0.00	0.01	0.00
B1	Max WS	SC 200 5h	202.65	202.55	0.00	0.00	0.00	0.01	0.00
B2	Max WS	SC 200 2h	201.40	201.30	0.00	0.00	0.00	0.04	0.00
B2	Max WS	SC 200 5h	201.40	201.30	0.00	0.00	0.00	0.04	0.00
B3	Max WS	SC 200 2h	199.57	199.77	0.23	0.23	0.00	0.01	0.00
B3	Max WS	SC 200 5h	199.75	199.77	2.33	2.32	0.00	0.01	0.00
B4	Max WS	SC 200 2h	198.95	198.25	0.11	0.11	0.00	0.11	0.03
B4	Max WS	SC 200 5h	199.07	198.25	1.00	1.01	0.00	0.35	0.06
B5	Max WS	SC 200 2h	198.24	197.90	0.11	0.11	0.00	0.59	0.10
B5	Max WS	SC 200 5h	198.29	197.90	0.68	0.68	0.00	0.90	0.14
B6	Max WS	SC 200 2h	198.20	198.14	0.00	0.00	0.00	0.01	0.00
B6	Max WS	SC 200 5h	198.20	198.14	0.00	0.00	0.00	0.01	0.00
D1	Max WS	SC 200 2h	203.48	203.45	0.00	0.00	0.00	0.00	0.00
D1	Max WS	SC 200 5h	203.48	203.45	0.00	0.00	0.00	0.00	0.00
D2	Max WS	SC 200 2h	202.60	202.50	0.00	0.00	0.00	0.02	0.00
D2	Max WS	SC 200 5h	202.60	202.50	0.00	0.00	0.00	0.02	0.00
D3	Max WS	SC 200 2h	199.23	199.00	0.12	0.12	0.00	0.03	0.01
D3	Max WS	SC 200 5h	199.35	199.00	1.32	1.32	0.00	0.97	0.10
D4	Max WS	SC 200 2h	198.35	197.75	0.12	0.12	0.00	0.91	0.12
D4	Max WS	SC 200 5h	198.49	197.75	1.64	1.64	0.00	0.91	0.25
D5	Max WS	SC 200 2h	196.06	195.75	0.23	0.23	0.00	0.32	0.03
D5	Max WS	SC 200 5h	196.32	195.75	2.32	2.32	0.00	1.98	0.28
D6	Max WS	SC 200 2h	194.84	194.50	0.23	0.20	0.03	1.97	0.22
D6	Max WS	SC 200 5h	194.95	194.50	2.32	2.30	0.02	3.85	0.51
D7	Max WS	SC 200 2h	50.06	50.00	0.20	0.00	0.20	100.00	5.73
D7	Max WS	SC 200 5h	50.19	50.00	2.30	0.00	2.30	100.00	18.65
D8	Max WS	SC 200 2h	198.05	198.01	0.00	0.00	0.00	0.06	0.00
D8	Max WS	SC 200 5h	198.05	198.01	0.00	0.00	0.00	0.06	0.00
E1	Max WS	SC 200 2h	199.92	199.25	6.21	6.20	0.01	0.52	0.17
E1	Max WS	SC 200 5h	200.17	199.25	16.40	16.39	0.01	1.54	0.47
E2	Max WS	SC 200 2h	198.89	196.80	11.24	11.16	0.08	7.24	1.87
E2	Max WS	SC 200 5h	199.13	196.80	25.98	25.94	0.04	13.95	4.48
E3	Max WS	SC 200 2h	197.61	195.50	6.72	6.71	0.01	3.23	0.89

HEC-RAS Profile: Max WS (Continued)

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Inflow (m3/s)	Outflow (m3/s)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
E3	Max WS	SC 200 5h	197.89	195.50	15.92	15.54	0.37	5.44	2.10
E4	Max WS	SC 200 2h	198.50	197.75	1.42	1.40	0.02	6.44	0.75
E4	Max WS	SC 200 5h	198.61	197.75	9.10	9.05	0.05	6.44	1.44
F1	Max WS	SC 200 2h	198.19	197.00	0.91	0.73	0.18	2.23	0.35
F1	Max WS	SC 200 5h	198.35	197.00	3.07	3.01	0.06	3.51	0.84
F2	Max WS	SC 200 2h	198.10	198.00	0.00	0.00	0.00	0.01	0.00
F2	Max WS	SC 200 5h	198.35	198.00	0.02	0.00	0.02	0.05	0.01
F3	Max WS	SC 200 2h	198.35	198.35	0.00	0.00	0.00	0.02	0.00
F3	Max WS	SC 200 5h	198.40	198.35	0.00	0.00	0.00	0.02	0.00
G1	Max WS	SC 200 2h	194.23	194.00	0.82	0.80	0.02	0.07	0.02
G1	Max WS	SC 200 5h	194.38	194.00	5.43	5.41	0.02	0.84	0.13
G2	Max WS	SC 200 2h	193.32	191.50	0.80	0.74	0.06	3.81	0.72
G2	Max WS	SC 200 5h	193.55	191.50	5.41	4.13	1.28	9.98	1.91
H1	Max WS	SC 200 2h	194.06	193.97	0.58	0.54	0.03	0.15	0.01
H1	Max WS	SC 200 5h	193.97	193.97	0.00	0.00	0.00	0.15	0.00
H2	Max WS	SC 200 2h	191.33	191.18	1.41	1.25	0.15	6.88	0.73
H2	Max WS	SC 200 5h	191.25	191.18	0.22	0.15	0.07	6.88	0.21
I1	Max WS	SC 200 2h	201.81	201.43	3.28	2.06	1.22	0.03	0.01
I1	Max WS	SC 200 5h	201.78	201.43	2.09	1.33	0.76	0.03	0.01
I2	Max WS	SC 200 2h	200.15	199.71	2.06	2.05	0.01	0.59	0.26
I2	Max WS	SC 200 5h	200.08	199.71	1.33	1.29	0.04	0.59	0.22
I3	Max WS	SC 200 2h	197.00	197.00	0.00	0.00	0.00	0.03	0.00
I3	Max WS	SC 200 5h	197.00	197.00	0.00	0.00	0.00	0.03	0.00
L	Max WS	SC 200 2h	50.05	50.00	0.00	0.00	0.00	1000.00	49.98
L	Max WS	SC 200 5h	50.10	50.00	9.11	0.00	9.11	1000.00	102.71

HEC-RAS Profile: Max WS

Connection	Profile	Plan	Q Total (m3/s)	W.S. Elev (m)	Min El Weir Flow (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Weir Flow Area (m2)	Wr Top Wdth (m)
A1-A2	Max WS	SC 200 2h	0.00	200.10	201.85				
A1-A2	Max WS	SC 200 5h	0.00	201.63	201.85				
A1-B1	Max WS	SC 200 2h	0.00	202.65	202.70				
A1-B1	Max WS	SC 200 5h	0.00	202.65	202.70				
A2-A3	Max WS	SC 200 2h	0.00	200.02	201.14				
A2-A3	Max WS	SC 200 5h	7.98	201.50	201.14	0.36	0.23	10.04	44.24
A2-B2	Max WS	SC 200 2h	0.00	201.40	201.90				
A2-B2	Max WS	SC 200 5h	0.00	201.50	201.90				
A3-B3	Max WS	SC 200 2h	0.23	200.02	199.89	0.13	0.06	0.55	8.76
A3-B3	Max WS	SC 200 5h	2.33	200.21	199.89	0.32	0.16	3.51	22.08
B1-B2	Max WS	SC 200 2h	0.00	202.65	202.69				
B1-B2	Max WS	SC 200 5h	0.00	202.65	202.69				
B1-D1	Max WS	SC 200 2h	0.00	203.48	203.50				
B1-D1	Max WS	SC 200 5h	0.00	203.48	203.50				
B1-D2	Max WS	SC 200 2h	0.00	202.65	202.66				
B1-D2	Max WS	SC 200 5h	0.00	202.65	202.66				
B2-B3	Max WS	SC 200 2h	0.00	201.40	201.40				
B2-B3	Max WS	SC 200 5h	0.00	201.40	201.40				
B3-B4	Max WS	SC 200 2h	0.11	199.57	199.45	0.12	0.06	0.26	4.45
B3-B4	Max WS	SC 200 5h	1.00	199.75	199.45	0.30	0.22	1.30	6.00
B3-D3	Max WS	SC 200 2h	0.12	199.57	199.45	0.12	0.06	0.31	5.16
B3-D3	Max WS	SC 200 5h	1.32	199.75	199.45	0.30	0.14	1.93	13.54
B4-B5	Max WS	SC 200 2h	0.11	198.95	198.85	0.10	0.05	0.29	5.89
B4-B5	Max WS	SC 200 5h	0.68	199.07	198.85	0.22	0.17	1.01	6.00
B4-D4	Max WS	SC 200 2h	0.00	198.95	198.95				
B4-D4	Max WS	SC 200 5h	0.32	199.07	198.95	0.12	0.06	0.80	13.54
B5-B6	Max WS	SC 200 2h	0.00	198.24	198.50				
B5-B6	Max WS	SC 200 5h	0.00	198.29	198.50				
B5D5	Max WS	SC 200 2h	0.11	198.24	198.20	0.04	0.02	0.43	19.49
B5D5	Max WS	SC 200 5h	0.68	198.29	198.20	0.09	0.05	1.91	41.01
D3-D4	Max WS	SC 200 2h	0.12	199.23	199.15	0.08	0.04	0.37	8.97
D3-D4	Max WS	SC 200 5h	1.32	199.35	199.15	0.20	0.10	2.43	24.12
D4-D5	Max WS	SC 200 2h	0.12	198.35	198.30	0.05	0.04	0.35	8.27
D4-D5	Max WS	SC 200 5h	1.64	198.49	198.30	0.19	0.12	2.78	24.07
D4-D8	Max WS	SC 200 2h	0.00	198.35	198.55				
D4-D8	Max WS	SC 200 5h	0.00	198.49	198.55				
D5-D6	Max WS	SC 200 2h	0.23	196.06	195.80	0.26	0.14	0.32	2.30
D5-D6	Max WS	SC 200 5h	2.32	196.32	195.80	0.52	0.13	3.38	26.96
D6-D7	Max WS	SC 200 2h	0.20	194.84	194.65	0.19	0.03	0.54	19.66
D6-D7	Max WS	SC 200 5h	2.30	194.95	194.65	0.30	0.10	4.08	39.24
E1-E2	Max WS	SC 200 2h	6.20	199.92	199.41	0.51	0.26	7.36	28.61
E1-E2	Max WS	SC 200 5h	16.39	200.17	199.41	0.76	0.38	16.01	42.20
E2-E3	Max WS	SC 200 2h	0.00	198.89	199.00				
E2-E3	Max WS	SC 200 5h	1.31	199.13	199.00	0.13	0.09	2.62	30.06
E2-E4	Max WS	SC 200 2h	1.42	198.89	198.65	0.24	0.11	2.26	20.16
E2-E4	Max WS	SC 200 5h	9.10	199.13	198.65	0.48	0.26	10.06	38.68
E3-G1	Max WS	SC 200 2h	0.00	197.61	198.28				
E3-G1	Max WS	SC 200 5h	0.00	197.89	198.28				
E4-F1	Max WS	SC 200 2h	0.91	198.50	198.35	0.15	0.08	1.68	20.32
E4-F1	Max WS	SC 200 5h	3.07	198.61	198.35	0.26	0.15	4.34	28.49
F1-F2	Max WS	SC 200 2h	0.00	198.19	198.20				

HEC-RAS Profile: Max WS (Continued)

Connection	Profile	Plan	Q Total (m3/s)	W.S. Elev (m)	Min El Weir Flow (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Weir Flow Area (m2)	Wr Top Wdth (m)
F1-F2	Max WS	SC 200 5h	0.02	198.35	198.20	0.15	0.10	0.09	0.95
F2-F3	Max WS	SC 200 2h	0.00	198.35	200.00				
F2-F3	Max WS	SC 200 5h	0.00	198.40	200.00				
G1-G2	Max WS	SC 200 2h	0.80	194.23	194.17	0.07	0.06	1.92	32.41
G1-G2	Max WS	SC 200 5h	5.41	194.38	194.17	0.22	0.15	7.92	51.15
H1-H2	Max WS	SC 200 2h	0.54	194.06	193.97	0.09	0.06	1.33	22.91
H1-H2	Max WS	SC 200 5h	0.00	193.97	193.97				
I1-I2	Max WS	SC 200 2h	2.06	201.81	201.44	0.37	0.11	3.57	33.24
I1-I2	Max WS	SC 200 5h	1.33	201.78	201.44	0.34	0.08	2.57	31.19
I1-I3	Max WS	SC 200 2h	0.00	201.81	202.21				
I1-I3	Max WS	SC 200 5h	0.00	201.78	202.21				
I2-I3	Max WS	SC 200 2h	0.00	200.15	200.33				
I2-I3	Max WS	SC 200 5h	0.00	200.08	200.33				

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
T. Rosia	Rosia	4.8			Lat Struct													
T. Rosia	Rosia	4	Max WS	SC 30 2h	43.60		43.60		187.05	189.26	188.24	189.40	0.002261	1.67	26.15	13.41	0.38	0.38
T. Rosia	Rosia	4	Max WS	SC 30 6h	61.82		61.82		187.05	189.88	188.55	190.04	0.001989	1.78	34.76	14.26	0.36	0.36
T. Rosia	Rosia	3	Max WS	SC 30 2h	43.58		43.58		186.75	188.84	188.00	189.01	0.002987	1.84	23.73	13.15	0.44	0.44
T. Rosia	Rosia	3	Max WS	SC 30 6h	61.82		61.82		186.75	189.55	188.30	189.72	0.002214	1.85	33.48	14.21	0.38	0.38
T. Rosia	Rosia	2	Max WS	SC 30 2h	43.56		43.56		186.30	188.58	187.61	188.74	0.002458	1.73	25.22	13.13	0.40	0.40
T. Rosia	Rosia	2	Max WS	SC 30 6h	61.82		61.82		186.30	189.38	187.92	189.53	0.001760	1.71	36.09	14.25	0.34	0.34
T. Rosia	Rosia	1.8 BR U	Max WS	SC 30 2h	43.56		43.56		186.30	188.42	187.68	188.68	0.003177	2.25	19.38	9.60	0.49	0.49
T. Rosia	Rosia	1.8 BR U	Max WS	SC 30 6h	61.82		61.82		186.30	189.07	188.02	189.56	0.008668	2.41	25.63		0.46	0.46
T. Rosia	Rosia	1.8 BR D	Max WS	SC 30 2h	43.56		43.56		186.25	188.40	187.63	188.65	0.003000	2.21	19.71	9.60	0.48	0.48
T. Rosia	Rosia	1.8 BR D	Max WS	SC 30 6h	61.82		61.82		186.25	188.94	187.96	189.15	0.002772	2.48	24.90	9.60	0.48	0.48
T. Rosia	Rosia	1.5	Max WS	SC 30 2h	43.52		43.52		186.25	188.43	187.56	188.60	0.002875	1.82	23.88	12.98	0.43	0.43
T. Rosia	Rosia	1.5	Max WS	SC 30 6h	61.78		61.78		186.25	188.94	187.87	189.15	0.002786	2.01	30.73	13.71	0.43	0.43
T. Rosia	Rosia	1	Max WS	SC 30 2h	43.47		43.47		186.04	188.23	187.32	188.40	0.002905	1.84	23.61	12.28	0.42	0.42
T. Rosia	Rosia	1	Max WS	SC 30 6h	61.74		61.74		186.04	188.74	187.64	188.96	0.002918	2.06	30.02	12.86	0.43	0.43
T. Rosia	Rosia	0.5	Max WS	SC 30 2h	43.39		43.39		185.04	187.38	186.77	187.69	0.005704	2.46	17.64	89.31	0.59	0.59
T. Rosia	Rosia	0.5	Max WS	SC 30 6h	61.71		61.71		185.04	187.87	187.16	188.24	0.005714	2.71	22.76	92.07	0.60	0.60
F.sso Mulinello	Mulinello 1	15	Max WS	SC 30 2h	0.59		0.59		196.80	198.38	197.15	198.38	0.000061	0.15	3.79	27.43	0.05	0.05
F.sso Mulinello	Mulinello 1	15	Max WS	SC 30 6h	2.39		2.39		196.80	198.55	197.51	198.57	0.000625	0.52	4.55	52.23	0.17	0.17
F.sso Mulinello	Mulinello 1	14.71			Lat Struct													
F.sso Mulinello	Mulinello 1	14.7			Lat Struct													
F.sso Mulinello	Mulinello 1	14	Max WS	SC 30 2h	1.33	0.12	1.22	0.00	196.82	198.33		198.33	0.000108	0.16	12.44	127.95	0.16	0.07
F.sso Mulinello	Mulinello 1	14	Max WS	SC 30 6h	2.35	0.42	1.90	0.02	196.82	198.37		198.38	0.000205	0.24	17.68	131.03	0.18	0.10
F.sso Mulinello	Mulinello 1	13.5			Culvert													
F.sso Mulinello	Mulinello 1	13	Max WS	SC 30 2h	1.32		1.32		196.76	197.39	197.10	197.42	0.002917	0.78	1.70	89.29	0.35	0.35
F.sso Mulinello	Mulinello 1	13	Max WS	SC 30 6h	2.26		2.26		196.76	197.61	197.23	197.65	0.002980	0.92	2.47	89.93	0.36	0.36
F.sso Mulinello	Mulinello 1	12.91			Lat Struct													
F.sso Mulinello	Mulinello 1	12.9			Lat Struct													
F.sso Mulinello	Mulinello 1	12	Max WS	SC 30 2h	0.82		0.82		196.17	196.97	196.53	196.98	0.001264	0.52	1.58	130.62	0.23	0.23
F.sso Mulinello	Mulinello 1	12	Max WS	SC 30 6h	1.07		1.07		196.17	196.85	196.59	196.89	0.004313	0.87	1.23	130.15	0.41	0.41
F.sso Mulinello	Mulinello 1	11	Max WS	SC 30 2h	4.14		3.52	0.62	193.00	194.07	194.02	194.17	0.007774	1.49	4.36	24.20	1.04	0.59

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Mulinello	Mulinello 1	11	Max WS	SC 30 6h	3.43		3.19	0.24	193.00	194.01	193.83	194.12	0.008416	1.48	3.11	17.97	1.10	0.61
F.sso Mulinello	Mulinello 1	10.9			Lat Struct													
F.sso Mulinello	Mulinello 1	10	Max WS	SC 30 2h	4.13	0.01	3.77	0.35	191.57	192.91		192.96	0.005169	1.05	5.78	54.10	0.98	0.47
F.sso Mulinello	Mulinello 1	10	Max WS	SC 30 6h	3.43	0.01	3.20	0.22	191.57	192.90		192.94	0.003845	0.91	5.24	45.54	0.83	0.41
F.sso Mulinello	Mulinello 1	9.75			Culvert													
F.sso Mulinello	Mulinello 1	9.5	Max WS	SC 30 2h	4.13		4.13		191.44	192.67	192.35	192.77	0.006999	1.40	2.95	4.52	0.55	0.55
F.sso Mulinello	Mulinello 1	9.5	Max WS	SC 30 6h	3.43		3.43		191.44	192.53	192.27	192.64	0.007415	1.42	2.42	3.75	0.56	0.56
F.sso Mulinello	Mulinello 1	9	Max WS	SC 30 2h	4.12	0.03	4.08	0.00	190.57	191.77	191.39	191.85	0.004651	1.30	3.33	7.34	0.61	0.46
F.sso Mulinello	Mulinello 1	9	Max WS	SC 30 6h	3.43	0.00	3.43		190.57	191.68	191.31	191.75	0.004751	1.23	2.80	4.70	0.51	0.46
F.sso Mulinello	Mulinello 1	8.5	Max WS	SC 30 2h	4.10		4.10		190.26	191.43	190.93	191.49	0.003273	1.12	3.65	4.25	0.39	0.39
F.sso Mulinello	Mulinello 1	8.5	Max WS	SC 30 6h	3.43		3.43		190.26	191.32	190.86	191.38	0.003272	1.07	3.20	4.04	0.38	0.38
F.sso Mulinello	Mulinello 1	8	Max WS	SC 30 2h	4.10		4.10	0.00	189.96	191.22	190.52	191.26	0.001572	0.85	4.92	11.98	0.42	0.27
F.sso Mulinello	Mulinello 1	8	Max WS	SC 30 6h	3.43		3.43		189.96	191.11	190.46	191.15	0.001513	0.80	4.30	4.57	0.26	0.26
F.sso Mulinello	Mulinello 1	7.9			Lat Struct													
F.sso Mulinello	Mulinello 1	7.5	Max WS	SC 30 2h	4.06		4.06		189.84	190.82	190.40	190.88	0.003529	1.12	3.63	4.66	0.41	0.41
F.sso Mulinello	Mulinello 1	7.5	Max WS	SC 30 6h	3.42		3.42		189.84	190.76	190.35	190.82	0.003043	1.01	3.39	4.56	0.37	0.37
F.sso Mulinello	Mulinello 1	7	Max WS	SC 30 2h	4.00		4.00		189.83	190.77	190.39	190.84	0.003881	1.15	3.47	4.60	0.42	0.42
F.sso Mulinello	Mulinello 1	7	Max WS	SC 30 6h	3.42		3.42		189.83	190.73	190.34	190.78	0.003359	1.05	3.27	4.52	0.39	0.39
F.sso Mulinello	Mulinello 2	6.9	Max WS	SC 30 2h	8.83	0.33	6.65	1.85	189.25	190.77	190.75	190.87	0.005391	1.61	10.52	66.18	1.13	0.49
F.sso Mulinello	Mulinello 2	6.9	Max WS	SC 30 6h	7.25	0.03	6.02	1.21	189.25	190.73	190.37	190.83	0.005077	1.52	7.77	50.56	1.13	0.48
F.sso Mulinello	Mulinello 2	6	Max WS	SC 30 2h	8.76	2.21	4.33	2.22	188.78	190.27	190.20	190.31	0.003297	1.23	17.71	80.64	0.61	0.38
F.sso Mulinello	Mulinello 2	6	Max WS	SC 30 6h	7.09	1.50	3.97	1.62	188.78	190.24	189.94	190.28	0.003068	1.17	15.06	79.02	0.65	0.36
F.sso Mulinello	Mulinello 2	5	Max WS	SC 30 2h	9.06	0.75	4.52	3.79	188.15	189.77	189.60	189.80	0.002213	1.05	18.28	66.32	0.48	0.32
F.sso Mulinello	Mulinello 2	5	Max WS	SC 30 6h	8.40	0.32	4.92	3.15	188.15	189.71	189.60	189.75	0.003114	1.22	14.18	61.14	0.64	0.37
F.sso Mulinello	Mulinello 2	4.5	Max WS	SC 30 2h	8.83		8.83		187.52	189.47		189.53	0.001715	1.09	8.12	5.32	0.28	0.28
F.sso Mulinello	Mulinello 2	4.5	Max WS	SC 30 6h	8.38		8.38		187.52	189.33		189.39	0.002019	1.14	7.36	5.15	0.30	0.30
F.sso Mulinello	Mulinello 2	4.25			Culvert													
F.sso Mulinello	Mulinello 2	4	Max WS	SC 30 2h	8.81		8.81		187.52	189.47	188.42	189.53	0.001718	1.09	8.10	5.32	0.28	0.28
F.sso Mulinello	Mulinello 2	4	Max WS	SC 30 6h	8.38		8.38		187.52	189.32	188.39	189.39	0.002035	1.14	7.33	5.14	0.31	0.31
F.sso Mulinello	Mulinello 2	3	Max WS	SC 30 2h	8.69	0.62	7.89	0.18	187.17	189.33	188.03	189.35	0.000454	0.63	20.86	74.97	0.36	0.16
F.sso Mulinello	Mulinello 2	3	Max WS	SC 30 6h	8.37		8.37		187.17	189.14	188.01	189.17	0.000783	0.76	10.98	8.36	0.21	0.21
F.sso Mulinello	Mulinello 2	2	Max WS	SC 30 2h	8.67	0.43	8.20	0.04	187.20	189.31	187.95	189.32	0.000312	0.55	19.65	38.35	0.24	0.14

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Mulinello	Mulinello 2	2	Max WS	SC 30 6h	8.37	0.11	8.25		187.20	189.11	187.93	189.13	0.000499	0.64	14.19	19.36	0.24	0.18
F.sso Mulinello	Mulinello 3	1.85	Max WS	SC 30 2h	12.60	0.63	11.92	0.05	187.20	189.31	188.13	189.34	0.000659	0.80	19.65	38.35	0.35	0.21
F.sso Mulinello	Mulinello 3	1.85	Max WS	SC 30 6h	10.87	0.15	10.72		187.20	189.11	188.06	189.14	0.000842	0.83	14.19	19.36	0.31	0.23
F.sso Mulinello	Mulinello 3	1.8	Max WS	SC 30 2h	12.60	0.65	11.88	0.06	187.19	189.31		189.34	0.000641	0.79	20.03	39.51	0.34	0.20
F.sso Mulinello	Mulinello 3	1.8	Max WS	SC 30 6h	10.87	0.16	10.71		187.19	189.10		189.14	0.000822	0.82	14.37	19.73	0.30	0.23
F.sso Mulinello	Mulinello 3	1.65			Culvert													
F.sso Mulinello	Mulinello 3	1.5	Max WS	SC 30 2h	12.60		12.60		186.20	187.59	187.17	187.75	0.005615	1.77	7.12	6.68	0.55	0.55
F.sso Mulinello	Mulinello 3	1.5	Max WS	SC 30 6h	10.87		10.87		186.20	187.52	187.09	187.66	0.005023	1.63	6.66	6.53	0.52	0.52
F.sso Mulinello	Mulinello 3	1	Max WS	SC 30 2h	12.58		8.92	3.67	185.50	187.11	186.83	187.20	0.004275	1.51	17.70	83.13	0.89	0.47
F.sso Mulinello	Mulinello 3	1	Max WS	SC 30 6h	10.86		8.41	2.45	185.50	187.07	186.73	187.16	0.004299	1.48	14.40	72.60	0.94	0.47
F.sso Mulinello	Mulinello 3	0.5	Max WS	SC 30 2h	12.57		8.66	3.91	184.59	186.46	186.36	186.54	0.003869	1.50	17.33	66.93	0.79	0.44
F.sso Mulinello	Mulinello 3	0.5	Max WS	SC 30 6h	10.85		8.04	2.82	184.59	186.42	186.00	186.50	0.003677	1.44	14.79	60.21	0.81	0.42
F. sso del Busso	Busso	16	Max WS	SC 30 2h	2.43		2.43		240.11	240.61	240.71	240.94	0.084912	2.55	0.95	3.05	1.46	1.46
F. sso del Busso	Busso	16	Max WS	SC 30 6h	1.66		1.66		240.11	240.53	240.61	240.80	0.082838	2.29	0.72	2.70	1.41	1.41
F. sso del Busso	Busso	15	Max WS	SC 30 2h	2.42		2.42		224.76	225.27	225.43	225.78	0.121960	3.17	0.77	2.15	1.69	1.69
F. sso del Busso	Busso	15	Max WS	SC 30 6h	2.17		2.17		224.76	225.25	225.39	225.71	0.117951	3.03	0.72	2.10	1.66	1.66
F. sso del Busso	Busso	14	Max WS	SC 30 2h	2.42		2.42		217.67	218.42	218.14	218.51	0.010420	1.26	1.92	2.71	0.48	0.48
F. sso del Busso	Busso	14	Max WS	SC 30 6h	1.90		1.90		217.67	218.32	218.07	218.39	0.009957	1.16	1.64	2.67	0.47	0.47
F. sso del Busso	Busso	13.5 BR U	Max WS	SC 30 2h	2.42		2.42		217.67	218.15	218.15	218.38	0.031304	2.14	1.13	2.40	0.99	0.99
F. sso del Busso	Busso	13.5 BR U	Max WS	SC 30 6h	1.90		1.90		217.67	218.08	218.08	218.27	0.032449	1.96	0.97	2.40	0.98	0.98
F. sso del Busso	Busso	13.5 BR D	Max WS	SC 30 2h	2.42		2.42		217.37	217.94	217.89	218.13	0.022978	1.95	1.24	2.40	0.83	0.83
F. sso del Busso	Busso	13.5 BR D	Max WS	SC 30 6h	1.90		1.90		217.37	217.88	217.82	218.03	0.021148	1.73	1.10	2.40	0.77	0.77
F. sso del Busso	Busso	13	Max WS	SC 30 2h	2.42		2.42		217.37	217.91	217.88	218.08	0.031975	1.84	1.32	15.09	0.89	0.89
F. sso del Busso	Busso	13	Max WS	SC 30 6h	1.86		1.86		217.37	217.84	217.81	217.98	0.031028	1.67	1.11	11.93	0.87	0.87
F. sso del Busso	Busso	12	Max WS	SC 30 2h	2.40		2.40		207.23	207.95	207.93	208.14	0.034471	1.93	1.24	47.36	0.95	0.95
F. sso del Busso	Busso	12	Max WS	SC 30 6h	1.68		1.68		207.23	207.86	207.83	208.01	0.032635	1.72	0.98	46.33	0.91	0.91
F. sso del Busso	Busso	11	Max WS	SC 30 2h	3.23		3.23		200.17	200.99	201.01	201.24	0.046095	2.25	1.44	3.23	1.08	1.08
F. sso del Busso	Busso	11	Max WS	SC 30 6h	2.99		2.99		200.17	200.96	200.99	201.21	0.046962	2.22	1.35	3.12	1.08	1.08
F. sso del Busso	Busso	10.5	Max WS	SC 30 2h	3.23		3.23		199.53	200.35	200.32	200.57	0.034670	2.10	1.54	2.98	0.94	0.94
F. sso del Busso	Busso	10.5	Max WS	SC 30 6h	2.99		2.99		199.53	200.32	200.28	200.54	0.033770	2.04	1.46	2.91	0.92	0.92
F. sso del Busso	Busso	10.4			Lat Struct													
F. sso del Busso	Busso	10	Max WS	SC 30 2h	3.23		3.23		198.90	199.60	199.63	199.89	0.047913	2.40	1.35	2.67	1.08	1.08
F. sso del Busso	Busso	10	Max WS	SC 30 6h	2.99		2.99		198.90	199.57	199.60	199.85	0.049165	2.37	1.26	2.61	1.09	1.09

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F. sso del Busso	Busso	9	Max WS	SC 30 2h	3.57		3.57		197.63	198.99	198.33	199.04	0.004141	1.00	3.56	3.17	0.30	0.30
F. sso del Busso	Busso	9	Max WS	SC 30 6h	3.03		3.03		197.63	198.90	198.27	198.94	0.003740	0.93	3.28	3.13	0.29	0.29
F. sso del Busso	Busso	8.5 BR U	Max WS	SC 30 2h	3.57		3.57		197.66	198.78	198.45	198.94	0.006193	1.76	2.03	2.00	0.53	0.53
F. sso del Busso	Busso	8.5 BR U	Max WS	SC 30 6h	3.03		3.03		197.66	198.76	198.38	198.88	0.004699	1.52	2.00	2.00	0.46	0.46
F. sso del Busso	Busso	8.5 BR D	Max WS	SC 30 2h	3.57		3.57		197.75	198.67	198.45	198.87	0.008883	1.97	1.82	2.00	0.65	0.65
F. sso del Busso	Busso	8.5 BR D	Max WS	SC 30 6h	3.03		3.03		197.75	198.70	198.38	198.84	0.005768	1.62	1.88	2.00	0.53	0.53
F. sso del Busso	Busso	8	Max WS	SC 30 2h	3.57		3.57		197.75	198.70	198.43	198.83	0.017027	1.60	2.23	3.16	0.61	0.61
F. sso del Busso	Busso	8	Max WS	SC 30 6h	3.03		3.03		197.75	198.72	198.35	198.81	0.011320	1.32	2.30	3.17	0.49	0.49
F. sso del Busso	Busso	7.9	Max WS	SC 30 2h	3.57		3.57		197.66	198.23	198.33	198.68	0.081413	2.97	1.20	2.26	1.30	1.30
F. sso del Busso	Busso	7.9	Max WS	SC 30 6h	2.72		2.72		197.66	198.13	198.23	198.53	0.088478	2.81	0.97	2.23	1.36	1.36
F. sso del Busso	Doccino	7.9	Max WS	SC 30 2h	1.60		1.60		216.34	216.91	216.93	217.21	0.107692	2.41	0.66	1.22	1.04	1.04
F. sso del Busso	Doccino	7.9	Max WS	SC 30 6h	1.05		1.05		216.34	216.76	216.78	217.00	0.115437	2.20	0.48	1.20	1.12	1.12
F. sso del Busso	Doccino	7	Max WS	SC 30 2h	1.60		1.60		212.77	213.42	213.35	213.64	0.072537	2.08	0.77	1.23	0.84	0.84
F. sso del Busso	Doccino	7	Max WS	SC 30 6h	1.05		1.05		212.77	213.25	213.20	213.42	0.072656	1.86	0.56	1.21	0.87	0.87
F. sso del Busso	Doccino	6.9			Lat Struct													
F. sso del Busso	Doccino	6	Max WS	SC 30 2h	1.39		1.39		211.42	212.05	211.96	212.24	0.064249	1.92	0.73	1.21	0.79	0.79
F. sso del Busso	Doccino	6	Max WS	SC 30 6h	1.05		1.05		211.42	211.96	211.87	212.11	0.056176	1.69	0.62	1.20	0.75	0.75
F. sso del Busso	Doccino	5	Max WS	SC 30 2h	1.59		1.59		208.50	209.36	209.08	209.49	0.037639	1.60	1.00	1.18	0.56	0.56
F. sso del Busso	Doccino	5	Max WS	SC 30 6h	1.05		1.05		208.50	209.13	208.94	209.23	0.037157	1.45	0.73	1.17	0.59	0.59
F. sso del Busso	Doccino	4	Max WS	SC 30 2h	1.37		1.37		207.10	207.83	207.70	208.00	0.056448	1.83	0.75	1.15	0.72	0.72
F. sso del Busso	Doccino	4	Max WS	SC 30 6h	1.05		1.05		207.10	207.72	207.60	207.86	0.054843	1.70	0.62	1.11	0.73	0.73
F. sso del Busso	Doccino	3	Max WS	SC 30 2h	1.26		1.26	0.00	206.28	207.01	206.96	207.24	0.082310	2.11	0.61	18.22	1.00	0.86
F. sso del Busso	Doccino	3	Max WS	SC 30 6h	1.03		1.03		206.28	206.94	206.88	207.13	0.080193	1.95	0.53	0.97	0.84	0.84
F. sso del Busso	Doccino	1.8	Max WS	SC 30 2h	1.01		1.01		203.16	204.17		204.21	0.009807	0.85	1.18	1.17	0.27	0.27
F. sso del Busso	Doccino	1.8	Max WS	SC 30 6h	0.93		0.93		203.16	204.09		204.13	0.010243	0.85	1.09	1.17	0.28	0.28
F. sso del Busso	Doccino	1.5			Culvert													
F. sso del Busso	Doccino	1	Max WS	SC 30 2h	0.86		0.86		197.90	198.51	198.28	198.59	0.026063	1.20	0.72	1.17	0.49	0.49
F. sso del Busso	Doccino	1	Max WS	SC 30 6h	0.86		0.86		197.90	198.49	198.28	198.57	0.027884	1.23	0.70	1.17	0.51	0.51
F. sso del Busso	Doccino	0.5	Max WS	SC 30 2h	1.01		1.01		197.54	198.23	197.96	198.31	0.025968	1.25	0.81	1.17	0.48	0.48
F. sso del Busso	Doccino	0.5	Max WS	SC 30 6h	0.93		0.93		197.54	198.13	197.94	198.22	0.033874	1.35	0.69	1.17	0.56	0.56
F. sso del Busso	Busso 2	7.75	Max WS	SC 30 2h	4.58		4.58		197.34	198.23	198.18	198.49	0.028851	2.27	2.02	3.05	0.89	0.89
F. sso del Busso	Busso 2	7.75	Max WS	SC 30 6h	3.65		3.65		197.34	198.13	198.08	198.36	0.030012	2.14	1.70	2.98	0.91	0.91

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F. sso del Busso	Busso 2	7.59			Lat Struct													
F. sso del Busso	Busso 2	7.2			Lat Struct													
F. sso del Busso	Busso 2	7	Max WS	SC 30 2h	4.90		4.90		195.29	196.36	196.23	196.57	0.017789	2.02	2.42	10.84	0.78	0.78
F. sso del Busso	Busso 2	7	Max WS	SC 30 6h	3.84		3.84		195.29	196.24	196.12	196.43	0.018255	1.92	2.00	10.11	0.78	0.78
F. sso del Busso	Busso 2	6	Max WS	SC 30 2h	4.89		4.89		194.05	195.32	195.05	195.49	0.012289	1.79	2.74	7.40	0.63	0.63
F. sso del Busso	Busso 2	6	Max WS	SC 30 6h	3.84		3.84		194.05	195.26	194.93	195.38	0.009333	1.52	2.53	6.54	0.55	0.55
F. sso del Busso	Busso 2	5.6	Max WS	SC 30 2h	4.89		4.37	0.53	193.76	195.26	194.79	195.33	0.005266	1.24	4.74	9.65	0.54	0.42
F. sso del Busso	Busso 2	5.6	Max WS	SC 30 6h	3.84		3.84		193.76	195.20	194.66	195.27	0.004748	1.17	3.29	3.79	0.40	0.40
F. sso del Busso	Busso 2	5.5 BR U	Max WS	SC 30 2h	4.89		3.52	1.37	193.76	195.28	194.87	195.34		1.79		8.37	0.43	0.43
F. sso del Busso	Busso 2	5.5 BR U	Max WS	SC 30 6h	3.84		3.84		193.76	195.17	194.71	195.24	0.045970	2.30	1.67		0.62	0.62
F. sso del Busso	Busso 2	5.5 BR D	Max WS	SC 30 2h	4.89		3.52	1.37	193.47	195.06	194.59	195.12		1.09		9.49	0.42	0.42
F. sso del Busso	Busso 2	5.5 BR D	Max WS	SC 30 6h	3.84		3.36	0.48	193.47	194.97	194.43	194.97	0.042253	2.02	2.24	5.58	0.50	0.50
F. sso del Busso	Busso 2	5.3	Max WS	SC 30 2h	4.89		4.89		193.47	194.62	194.51	194.86	0.021020	2.17	2.25	3.15	0.82	0.82
F. sso del Busso	Busso 2	5.3	Max WS	SC 30 6h	3.84		3.84		193.47	194.49	194.39	194.71	0.021065	2.05	1.87	2.88	0.81	0.81
F. sso del Busso	Busso 2	5	Max WS	SC 30 2h	4.89		4.89		193.19	194.38	194.24	194.60	0.018245	2.05	2.39	3.29	0.77	0.77
F. sso del Busso	Busso 2	5	Max WS	SC 30 6h	3.84		3.84		193.19	194.25	194.12	194.44	0.018980	1.96	1.96	3.00	0.77	0.77
F. sso del Busso	Busso 2	4.9			Lat Struct													
F. sso del Busso	Busso 2	4	Max WS	SC 30 2h	4.89		4.89		192.30	193.54	193.34	193.74	0.016118	1.98	2.47	3.13	0.71	0.71
F. sso del Busso	Busso 2	4	Max WS	SC 30 6h	3.84		3.84		192.30	193.41	193.21	193.59	0.015362	1.84	2.08	2.82	0.69	0.69
F. sso del Busso	Busso 2	3	Max WS	SC 30 2h	4.89		4.89		192.10	193.35	193.05	193.48	0.009446	1.57	3.12	4.16	0.58	0.58
F. sso del Busso	Busso 2	3	Max WS	SC 30 6h	3.84		3.84		192.10	193.22	192.94	193.33	0.009496	1.48	2.59	3.77	0.57	0.57
F. sso del Busso	Busso 2	2	Max WS	SC 30 2h	4.89		4.89		191.19	192.43	192.29	192.61	0.017180	1.86	2.63	4.45	0.77	0.77
F. sso del Busso	Busso 2	2	Max WS	SC 30 6h	3.84		3.84		191.19	192.32	192.18	192.48	0.015602	1.75	2.20	3.73	0.73	0.73
F. sso del Busso	Busso 2	1	Max WS	SC 30 2h	4.89		4.89		190.28	191.63	191.31	191.74	0.008445	1.45	3.37	4.79	0.55	0.55
F. sso del Busso	Busso 2	1	Max WS	SC 30 6h	3.59		3.59		190.28	191.53	191.17	191.61	0.007044	1.25	2.87	4.48	0.50	0.50
F. sso del Busso	Busso 2	0.9	Max WS	SC 30 2h	4.83		4.83		189.99	190.77	191.02	191.52	0.103070	3.82	1.26	2.71	1.79	1.79
F. sso del Busso	Busso 2	0.9	Max WS	SC 30 6h	3.83		3.83		189.99	190.73	190.91	191.30	0.083774	3.34	1.15	2.59	1.60	1.60
F.sso Canale	Canale	11	Max WS	SC 30 2h	4.01		4.01		210.42	211.00	210.98	211.22	0.023071	2.11	1.90	3.85	0.96	0.96
F.sso Canale	Canale	11	Max WS	SC 30 6h	2.54		2.54		210.42	210.82	210.85	211.04	0.035655	2.07	1.23	3.73	1.15	1.15
F.sso Canale	Canale	10	Max WS	SC 30 2h	4.01		4.01		209.71	210.16	210.25	210.50	0.044048	2.60	1.54	3.93	1.33	1.33
F.sso Canale	Canale	10	Max WS	SC 30 6h	2.54		2.54		209.71	210.08	210.11	210.29	0.033247	2.03	1.25	3.83	1.13	1.13
F.sso Canale	Canale	9	Max WS	SC 30 2h	4.01		4.01		208.22	208.63	208.71	208.95	0.042491	2.50	1.60	4.37	1.32	1.32
F.sso Canale	Canale	9	Max WS	SC 30 6h	2.54		2.54		208.22	208.52	208.58	208.78	0.049720	2.25	1.13	4.12	1.38	1.38

HEC-RAS Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (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 # XS	Froude # Chl
F.sso Canale	Canale	8	Max WS	SC 30 2h	4.01		4.01		207.15	208.16	207.82	208.21	0.003172	1.01	3.96	5.97	0.40	0.40
F.sso Canale	Canale	8	Max WS	SC 30 6h	2.54		2.54		207.15	207.93	207.69	207.98	0.004265	0.96	2.63	5.52	0.45	0.45
F.sso Canale	Canale	7.5 BR U	Max WS	SC 30 2h	4.01		4.01		207.15	207.99	207.88	208.19	0.010805	1.97	2.04	3.00	0.69	0.69
F.sso Canale	Canale	7.5 BR U	Max WS	SC 30 6h	2.54		2.54		207.15	207.76	207.73	207.94	0.017793	1.90	1.33	3.00	0.78	0.78
F.sso Canale	Canale	7.5 BR D	Max WS	SC 30 2h	4.01		4.01		206.78	208.00	207.58	208.09	0.003493	1.35	2.96	3.00	0.39	0.39
F.sso Canale	Canale	7.5 BR D	Max WS	SC 30 6h	2.54		2.54		206.78	207.76	207.43	207.83	0.003477	1.13	2.26	3.00	0.36	0.36
F.sso Canale	Canale	7	Max WS	SC 30 2h	4.01		4.01		206.78	207.42	207.58	207.95	0.069817	3.24	1.24	3.17	1.65	1.65
F.sso Canale	Canale	7	Max WS	SC 30 6h	2.54		2.54		206.78	207.30	207.44	207.72	0.066382	2.86	0.89	2.62	1.57	1.57
F.sso Canale	Canale	6	Max WS	SC 30 2h	4.00		4.00		201.21	201.77	201.72	201.92	0.015739	1.71	2.34	5.55	0.84	0.84
F.sso Canale	Canale	6	Max WS	SC 30 6h	2.54		2.54		201.21	201.64	201.61	201.76	0.018236	1.55	1.64	5.10	0.87	0.87
F.sso Canale	Canale	5	Max WS	SC 30 2h	4.00		4.00		197.39	197.95	198.06	198.35	0.043771	2.79	1.43	3.24	1.34	1.34
F.sso Canale	Canale	5	Max WS	SC 30 6h	2.54		2.54		197.39	197.83	197.90	198.13	0.043125	2.42	1.05	2.97	1.30	1.30
F.sso Canale	Canale	4	Max WS	SC 30 2h	4.00		4.00		193.94	194.44	194.40	194.60	0.017237	1.78	2.24	5.25	0.87	0.87
F.sso Canale	Canale	4	Max WS	SC 30 6h	2.54		2.54		193.94	194.32	194.29	194.45	0.017913	1.55	1.64	4.95	0.86	0.86
F.sso Canale	Canale	3.9			Lat Struct													
F.sso Canale	Canale	3	Max WS	SC 30 2h	4.00		4.00		191.75	192.53	192.43	192.70	0.013673	1.83	2.18	3.87	0.78	0.78
F.sso Canale	Canale	3	Max WS	SC 30 6h	2.54		2.54		191.75	192.36	192.27	192.49	0.014114	1.63	1.56	3.44	0.77	0.77
F.sso Canale	Canale	2	Max WS	SC 30 2h	3.99		3.99		189.85	190.74	190.68	190.98	0.019775	2.20	1.82	2.93	0.89	0.89
F.sso Canale	Canale	2	Max WS	SC 30 6h	2.54		2.54		189.85	190.54	190.50	190.74	0.020136	1.96	1.30	2.57	0.88	0.88
F.sso Canale	Canale	1	Max WS	SC 30 2h	3.93		3.93		187.76	189.31	188.62	189.35	0.002816	0.87	4.50	7.39	0.36	0.36
F.sso Canale	Canale	1	Max WS	SC 30 6h	2.50		2.50		187.76	189.11	188.45	189.13	0.001426	0.72	3.49	4.35	0.26	0.26

HEC-RAS Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Q Culv Group (m3/s)	Q Weir (m3/s)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. US. (m)	E.G. IC (m)	E.G. OC (m)	Culv Vel US (m/s)
F.sso Mulinello	Mulinello 1	13.5	Max WS	SC 30 2h	1.33	1.12	0.19	198.30	198.32	198.33	198.32	198.28	198.32	2.23
F.sso Mulinello	Mulinello 1	13.5	Max WS	SC 30 6h	2.35	1.10	1.21	198.30	198.38	198.37	198.38	198.37	198.38	2.19
F.sso Mulinello	Mulinello 1	9.75	Max WS	SC 30 2h	4.13	1.96	2.17	192.80	192.95	192.91	192.95	192.93	192.95	1.80
F.sso Mulinello	Mulinello 1	9.75	Max WS	SC 30 6h	3.43	2.09	1.34	192.80	192.91	192.90	192.91	192.92	192.91	2.18
F.sso Mulinello	Mulinello 2	4.25	Max WS	SC 30 2h	8.83	0.36	7.76	188.74	189.53	189.47	189.53	187.87	189.53	0.39
F.sso Mulinello	Mulinello 2	4.25	Max WS	SC 30 6h	8.38	0.41	7.14	188.74	189.40	189.33	189.40	187.90	189.40	0.45
F.sso Mulinello	Mulinello 3	1.65	Max WS	SC 30 2h	12.60	12.60		189.35	189.34	189.31	189.34	189.24	189.34	2.68
F.sso Mulinello	Mulinello 3	1.65	Max WS	SC 30 6h	10.87	10.87		189.35	189.14	189.10	189.14	189.03	189.14	2.48
F. sso del Busso	Doccino	1.5	Max WS	SC 30 2h	1.01	1.01		205.24	204.21	204.17	204.21	204.21	204.14	2.44
F. sso del Busso	Doccino	1.5	Max WS	SC 30 6h	0.93	0.93		205.24	204.13	204.09	204.13	204.13	204.09	2.35

HEC-RAS Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q US (m3/s)	Q Leaving Total (m3/s)	Q DS (m3/s)	Q Weir (m3/s)	Wr Top Wdth (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. DS (m)	W.S. DS (m)
T. Rosia	Rosia	17.65	Max WS	SC 30 2h	44.40	0.00	44.38	0.00				203.00	202.59	202.47	201.73	201.62
T. Rosia	Rosia	17.65	Max WS	SC 30 6h	63.48	0.00	63.42	0.00				203.00	202.91	202.74	202.31	202.20
T. Rosia	Rosia	17.49	Max WS	SC 30 2h	44.38	0.00	44.37	0.00				201.69	201.73	201.62	200.66	200.46
T. Rosia	Rosia	17.49	Max WS	SC 30 6h	63.42	0.00	63.40	0.00				201.69	202.31	202.20	201.18	201.00
T. Rosia	Rosia	16.51	Max WS	SC 30 2h	44.38	0.00	44.37	0.00				200.32	201.39	200.92	200.06	199.70
T. Rosia	Rosia	16.51	Max WS	SC 30 6h	63.41	0.00	63.39	0.00				200.32	201.98	201.49	200.50	199.98
T. Rosia	Rosia	16.4	Max WS	SC 30 2h	44.37	0.00	43.69	0.00				199.89	200.66	200.46	199.27	199.07
T. Rosia	Rosia	16.4	Max WS	SC 30 6h	63.40	0.00	60.99	0.00				199.89	201.18	201.00	199.53	199.30
T. Rosia	Rosia	15.75	Max WS	SC 30 2h	44.37	0.68	43.69	0.68	8.38	0.26	0.17	198.82	200.06	199.70	199.26	199.07
T. Rosia	Rosia	15.75	Max WS	SC 30 6h	63.39	2.40	60.99	2.40	8.92	0.49	0.39	198.82	200.50	199.98	199.53	199.30
T. Rosia	Rosia	15.35	Max WS	SC 30 2h	43.69	0.00	43.69	0.00				198.46	197.90	197.69	196.80	196.51
T. Rosia	Rosia	15.35	Max WS	SC 30 6h	60.99	0.00	60.97	0.00				198.46	198.22	197.98	197.33	196.98
T. Rosia	Rosia	14.6	Max WS	SC 30 2h	43.69	-0.20	43.68	-0.20	14.56	0.10	0.05	197.21	196.80	196.51	195.78	195.53
T. Rosia	Rosia	14.6	Max WS	SC 30 6h	60.97	-1.00	61.94	-1.00	27.89	0.19	0.09	197.21	197.33	196.98	196.36	196.07
T. Rosia	Rosia	4.9	Max WS	SC 30 2h	43.62	0.00	43.56	0.00				190.32	189.81	189.63	188.74	188.58
T. Rosia	Rosia	4.9	Max WS	SC 30 6h	61.84	0.00	61.82	0.00				190.32	190.41	190.20	189.53	189.38
T. Rosia	Rosia	4.8	Max WS	SC 30 2h	43.62	0.00	43.56	0.00				190.32	189.81	189.63	188.74	188.58
T. Rosia	Rosia	4.8	Max WS	SC 30 6h	61.84	0.00	61.82	0.00				190.32	190.41	190.20	189.53	189.38
F.sso Mulinello	Mulinello 1	14.71	Max WS	SC 30 2h	0.58	0.00	1.33	0.00	3.85	0.00	0.00	198.33	198.38	198.38	198.33	198.33
F.sso Mulinello	Mulinello 1	14.71	Max WS	SC 30 6h	2.38	0.02	2.35	0.02	187.80	0.05	0.02	198.33	198.54	198.53	198.38	198.37
F.sso Mulinello	Mulinello 1	14.7	Max WS	SC 30 2h	0.58	0.20	1.33	0.20	37.17	0.05	0.03	198.28	198.38	198.38	198.33	198.33
F.sso Mulinello	Mulinello 1	14.7	Max WS	SC 30 6h	2.38	1.00	2.35	1.00	89.34	0.09	0.04	198.28	198.54	198.53	198.38	198.37
F.sso Mulinello	Mulinello 1	12.91	Max WS	SC 30 2h	1.32	0.00	4.16	0.00				198.27	197.42	197.39	196.48	196.35
F.sso Mulinello	Mulinello 1	12.91	Max WS	SC 30 6h	2.26	-0.03	3.44	0.00				198.27	197.65	197.61	196.38	196.24
F.sso Mulinello	Mulinello 1	12.9	Max WS	SC 30 2h	1.32	0.00	0.82	0.00				197.76	197.42	197.39	196.98	196.97
F.sso Mulinello	Mulinello 1	12.9	Max WS	SC 30 6h	2.26	0.00	1.07	0.00				197.76	197.65	197.61	196.89	196.85
F.sso Mulinello	Mulinello 1	10.9	Max WS	SC 30 2h	4.14	0.00	4.13	0.00				193.13	194.17	194.07	193.13	193.04
F.sso Mulinello	Mulinello 1	10.9	Max WS	SC 30 6h	3.43	0.00	3.43	0.00				193.13	194.12	194.01	193.08	193.01
F.sso Mulinello	Mulinello 1	7.9	Max WS	SC 30 2h	4.10	0.00	4.00	0.00				191.18	191.26	191.22	190.84	190.77
F.sso Mulinello	Mulinello 1	7.9	Max WS	SC 30 6h	3.43	0.00	3.42	0.00				191.18	191.15	191.11	190.78	190.73
F.sso Canale	Canale	3.9	Max WS	SC 30 2h	4.00	0.00	3.93	0.00				189.80	194.60	194.44	189.35	189.31
F.sso Canale	Canale	3.9	Max WS	SC 30 6h	2.54	0.00	2.50	0.00				189.80	194.45	194.32	189.13	189.11
F. sso del Busso	Busso	10.4	Max WS	SC 30 2h	3.23	-0.55	3.57	-0.55	8.62	0.26	0.13	199.71	200.57	200.35	199.04	198.99

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q US (m3/s)	Q Leaving Total (m3/s)	Q DS (m3/s)	Q Weir (m3/s)	Wr Top Wdth (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. DS (m)	W.S. DS (m)
F. sso del Busso	Busso	10.4	Max WS	SC 30 6h	2.99	-0.55	3.03	-0.55	8.62	0.26	0.13	199.71	200.54	200.32	198.94	198.90
F. sso del Busso	Doccino	6.9	Max WS	SC 30 2h	1.60	0.46	1.01	0.46	36.21	0.15	0.03	205.77	213.64	213.42	205.98	205.53
F. sso del Busso	Doccino	6.9	Max WS	SC 30 6h	1.05	0.09	0.93	0.09	2.39	0.12	0.06	205.77	213.42	213.25	205.92	205.52
F. sso del Busso	Busso 2	7.59	Max WS	SC 30 2h	4.56	0.00	4.90	0.00				197.21	198.13	197.93	196.57	196.36
F. sso del Busso	Busso 2	7.59	Max WS	SC 30 6h	3.64	0.00	3.84	0.00				197.21	197.98	197.80	196.43	196.24
F. sso del Busso	Busso 2	7.2	Max WS	SC 30 2h	4.90	0.00	4.89	0.00				195.80	197.34	197.01	195.68	195.50
F. sso del Busso	Busso 2	7.2	Max WS	SC 30 6h	3.84	0.00	3.84	0.00				195.80	197.19	196.91	195.56	195.41
F. sso del Busso	Busso 2	4.9	Max WS	SC 30 2h	4.89	0.00	4.89	0.00				191.91	194.60	194.38	191.74	191.63
F. sso del Busso	Busso 2	4.9	Max WS	SC 30 6h	3.84	0.00	3.59	0.00				191.91	194.44	194.25	191.61	191.53

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Inflow (m3/s)	Outflow (m3/s)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
A1	Max WS	SC 30 2h	200.10	200.00	0.00	0.00	0.00	0.01	0.00
A1	Max WS	SC 30 6h	200.10	200.00	0.00	0.00	0.00	0.01	0.00
A2	Max WS	SC 30 2h	198.45	198.30	0.00	0.00	0.00	0.01	0.00
A2	Max WS	SC 30 6h	198.45	198.30	0.00	0.00	0.00	0.01	0.00
A3	Max WS	SC 30 2h	198.60	198.25	0.00	0.00	0.00	0.00	0.00
A3	Max WS	SC 30 6h	198.60	198.25	0.00	0.00	0.00	0.00	0.00
B1	Max WS	SC 30 2h	202.65	202.55	0.00	0.00	0.00	0.01	0.00
B1	Max WS	SC 30 6h	202.65	202.55	0.00	0.00	0.00	0.01	0.00
B2	Max WS	SC 30 2h	201.40	201.30	0.00	0.00	0.00	0.04	0.00
B2	Max WS	SC 30 6h	201.40	201.30	0.00	0.00	0.00	0.04	0.00
B3	Max WS	SC 30 2h	199.54	199.77	0.00	0.13	-0.13	0.01	0.00
B3	Max WS	SC 30 6h	199.54	199.77	0.00	0.13	-0.13	0.01	0.00
B4	Max WS	SC 30 2h	198.65	198.25	0.06	0.00	0.06	0.01	0.00
B4	Max WS	SC 30 6h	198.65	198.25	0.06	0.00	0.06	0.01	0.00
B5	Max WS	SC 30 2h	198.00	197.90	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SC 30 6h	198.00	197.90	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SC 30 2h	198.20	198.14	0.00	0.00	0.00	0.01	0.00
B6	Max WS	SC 30 6h	198.20	198.14	0.00	0.00	0.00	0.01	0.00
D1	Max WS	SC 30 2h	203.48	203.45	0.00	0.00	0.00	0.00	0.00
D1	Max WS	SC 30 6h	203.48	203.45	0.00	0.00	0.00	0.00	0.00
D2	Max WS	SC 30 2h	202.60	202.50	0.00	0.00	0.00	0.02	0.00
D2	Max WS	SC 30 6h	202.60	202.50	0.00	0.00	0.00	0.02	0.00
D3	Max WS	SC 30 2h	199.22	199.00	0.07	0.10	-0.03	0.03	0.01
D3	Max WS	SC 30 6h	199.22	199.00	0.07	0.10	-0.03	0.03	0.01
D4	Max WS	SC 30 2h	198.09	197.75	0.10	0.00	0.10	0.07	0.01
D4	Max WS	SC 30 6h	198.09	197.75	0.10	0.00	0.10	0.07	0.01
D5	Max WS	SC 30 2h	195.79	195.75	0.00	0.00	0.00	0.03	0.00
D5	Max WS	SC 30 6h	195.79	195.75	0.00	0.00	0.00	0.03	0.00
D6	Max WS	SC 30 2h	194.55	194.50	0.00	0.00	0.00	0.03	0.00
D6	Max WS	SC 30 6h	194.55	194.50	0.00	0.00	0.00	0.03	0.00
D7	Max WS	SC 30 2h	50.05	50.00	0.00	0.00	0.00	100.00	5.00
D7	Max WS	SC 30 6h	50.05	50.00	0.00	0.00	0.00	100.00	5.00
D8	Max WS	SC 30 2h	198.05	198.01	0.00	0.00	0.00	0.06	0.00
D8	Max WS	SC 30 6h	198.05	198.01	0.00	0.00	0.00	0.06	0.00
E1	Max WS	SC 30 2h	199.40	199.25	0.00	0.00	0.00	0.03	0.00
E1	Max WS	SC 30 6h	199.40	199.25	0.00	0.00	0.00	0.03	0.00
E2	Max WS	SC 30 2h	198.38	196.80	0.68	0.59	0.09	0.74	0.27
E2	Max WS	SC 30 6h	198.55	196.80	2.40	2.39	0.02	2.06	0.47
E3	Max WS	SC 30 2h	197.31	195.50	0.20	0.20	0.00	0.81	0.37

HEC-RAS Profile: Max WS (Continued)

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Inflow (m3/s)	Outflow (m3/s)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
E3	Max WS	SC 30 6h	197.40	195.50	1.00	1.00	0.00	0.81	0.44
E4	Max WS	SC 30 2h	198.00	197.75	0.00	0.00	0.00	0.20	0.00
E4	Max WS	SC 30 6h	198.38	197.75	0.02	0.02	-0.01	2.68	0.40
F1	Max WS	SC 30 2h	197.36	197.00	0.00	0.00	0.00	0.01	0.01
F1	Max WS	SC 30 6h	197.58	197.00	0.02	0.03	0.00	0.01	0.01
F2	Max WS	SC 30 2h	198.10	198.00	0.00	0.00	0.00	0.01	0.00
F2	Max WS	SC 30 6h	198.10	198.00	0.00	0.00	0.00	0.01	0.00
F3	Max WS	SC 30 2h	198.40	198.35	0.00	0.00	0.00	0.02	0.00
F3	Max WS	SC 30 6h	198.40	198.35	0.00	0.00	0.00	0.02	0.00
G1	Max WS	SC 30 2h	194.16	194.00	0.00	0.00	0.00	0.07	0.01
G1	Max WS	SC 30 6h	194.16	194.00	0.00	0.00	0.00	0.07	0.01
G2	Max WS	SC 30 2h	191.80	191.50	0.00	0.00	0.00	0.07	0.01
G2	Max WS	SC 30 6h	191.80	191.50	0.00	0.00	0.00	0.07	0.01
H1	Max WS	SC 30 2h	193.97	193.97	0.00	0.00	0.00	0.15	0.00
H1	Max WS	SC 30 6h	193.97	193.97	0.00	0.00	0.00	0.15	0.00
H2	Max WS	SC 30 2h	191.18	191.18	0.00	0.00	0.00	2.85	0.00
H2	Max WS	SC 30 6h	191.18	191.18	0.00	0.00	0.00	2.85	0.00
I1	Max WS	SC 30 2h	201.72	201.43	0.46	0.43	0.03	0.03	0.01
I1	Max WS	SC 30 6h	201.64	201.43	0.09	0.09	0.00	0.03	0.01
I2	Max WS	SC 30 2h	199.97	199.71	0.43	0.55	-0.13	0.59	0.16
I2	Max WS	SC 30 6h	199.97	199.71	0.09	0.55	-0.46	0.59	0.16
I3	Max WS	SC 30 2h	197.00	197.00	0.00	0.00	0.00	0.03	0.00
I3	Max WS	SC 30 6h	197.00	197.00	0.00	0.00	0.00	0.03	0.00
L	Max WS	SC 30 2h	50.05	50.00	0.00	0.00	0.00	1000.00	49.98
L	Max WS	SC 30 6h	50.05	50.00	0.00	0.00	0.00	1000.00	49.98

HEC-RAS Profile: Max WS

Connection	Profile	Plan	Q Total (m3/s)	W.S. Elev (m)	Min El Weir Flow (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Weir Flow Area (m2)	Wr Top Wdth (m)
A1-A2	Max WS	SC 30 2h	0.00	200.10	201.85				
A1-A2	Max WS	SC 30 6h	0.00	200.10	201.85				
A1-B1	Max WS	SC 30 2h	0.00	202.65	202.70				
A1-B1	Max WS	SC 30 6h	0.00	202.65	202.70				
A2-A3	Max WS	SC 30 2h	0.00	198.60	201.14				
A2-A3	Max WS	SC 30 6h	0.00	198.60	201.14				
A2-B2	Max WS	SC 30 2h	0.00	201.40	201.90				
A2-B2	Max WS	SC 30 6h	0.00	201.40	201.90				
A3-B3	Max WS	SC 30 2h	0.00	199.54	199.89				
A3-B3	Max WS	SC 30 6h	0.00	199.54	199.89				
B1-B2	Max WS	SC 30 2h	0.00	202.65	202.69				
B1-B2	Max WS	SC 30 6h	0.00	202.65	202.69				
B1-D1	Max WS	SC 30 2h	0.00	203.48	203.50				
B1-D1	Max WS	SC 30 6h	0.00	203.48	203.50				
B1-D2	Max WS	SC 30 2h	0.00	202.65	202.66				
B1-D2	Max WS	SC 30 6h	0.00	202.65	202.66				
B2-B3	Max WS	SC 30 2h	0.00	201.40	201.40				
B2-B3	Max WS	SC 30 6h	0.00	201.40	201.40				
B3-B4	Max WS	SC 30 2h	0.06	199.54	199.45	0.09	0.05	0.16	3.52
B3-B4	Max WS	SC 30 6h	0.06	199.54	199.45	0.09	0.05	0.16	3.52
B3-D3	Max WS	SC 30 2h	0.07	199.54	199.45	0.09	0.05	0.19	4.07
B3-D3	Max WS	SC 30 6h	0.07	199.54	199.45	0.09	0.05	0.19	4.07
B4-B5	Max WS	SC 30 2h	0.00	198.65	198.85				
B4-B5	Max WS	SC 30 6h	0.00	198.65	198.85				
B4-D4	Max WS	SC 30 2h	0.00	198.65	198.95				
B4-D4	Max WS	SC 30 6h	0.00	198.65	198.95				
B5-B6	Max WS	SC 30 2h	0.00	198.20	198.50				
B5-B6	Max WS	SC 30 6h	0.00	198.20	198.50				
B5D5	Max WS	SC 30 2h	0.00	198.00	198.20				
B5D5	Max WS	SC 30 6h	0.00	198.00	198.20				
D3-D4	Max WS	SC 30 2h	0.10	199.22	199.15	0.07	0.04	0.30	8.17
D3-D4	Max WS	SC 30 6h	0.10	199.22	199.15	0.07	0.04	0.30	8.17
D4-D5	Max WS	SC 30 2h	0.00	198.09	198.30				
D4-D5	Max WS	SC 30 6h	0.00	198.09	198.30				
D4-D8	Max WS	SC 30 2h	0.00	198.09	198.55				
D4-D8	Max WS	SC 30 6h	0.00	198.09	198.55				
D5-D6	Max WS	SC 30 2h	0.00	195.79	195.80				
D5-D6	Max WS	SC 30 6h	0.00	195.79	195.80				
D6-D7	Max WS	SC 30 2h	0.00	194.55	194.65				
D6-D7	Max WS	SC 30 6h	0.00	194.55	194.65				
E1-E2	Max WS	SC 30 2h	0.00	199.40	199.41				
E1-E2	Max WS	SC 30 6h	0.00	199.40	199.41				
E2-E3	Max WS	SC 30 2h	0.00	198.38	199.00				
E2-E3	Max WS	SC 30 6h	0.00	198.55	199.00				
E2-E4	Max WS	SC 30 2h	0.00	198.38	198.65				
E2-E4	Max WS	SC 30 6h	0.00	198.55	198.65				
E3-G1	Max WS	SC 30 2h	0.00	197.31	198.28				
E3-G1	Max WS	SC 30 6h	0.00	197.40	198.28				
E4-F1	Max WS	SC 30 2h	0.00	198.00	198.35				
E4-F1	Max WS	SC 30 6h	0.02	198.38	198.35	0.03	0.02	0.10	6.40
F1-F2	Max WS	SC 30 2h	0.00	198.10	198.20				

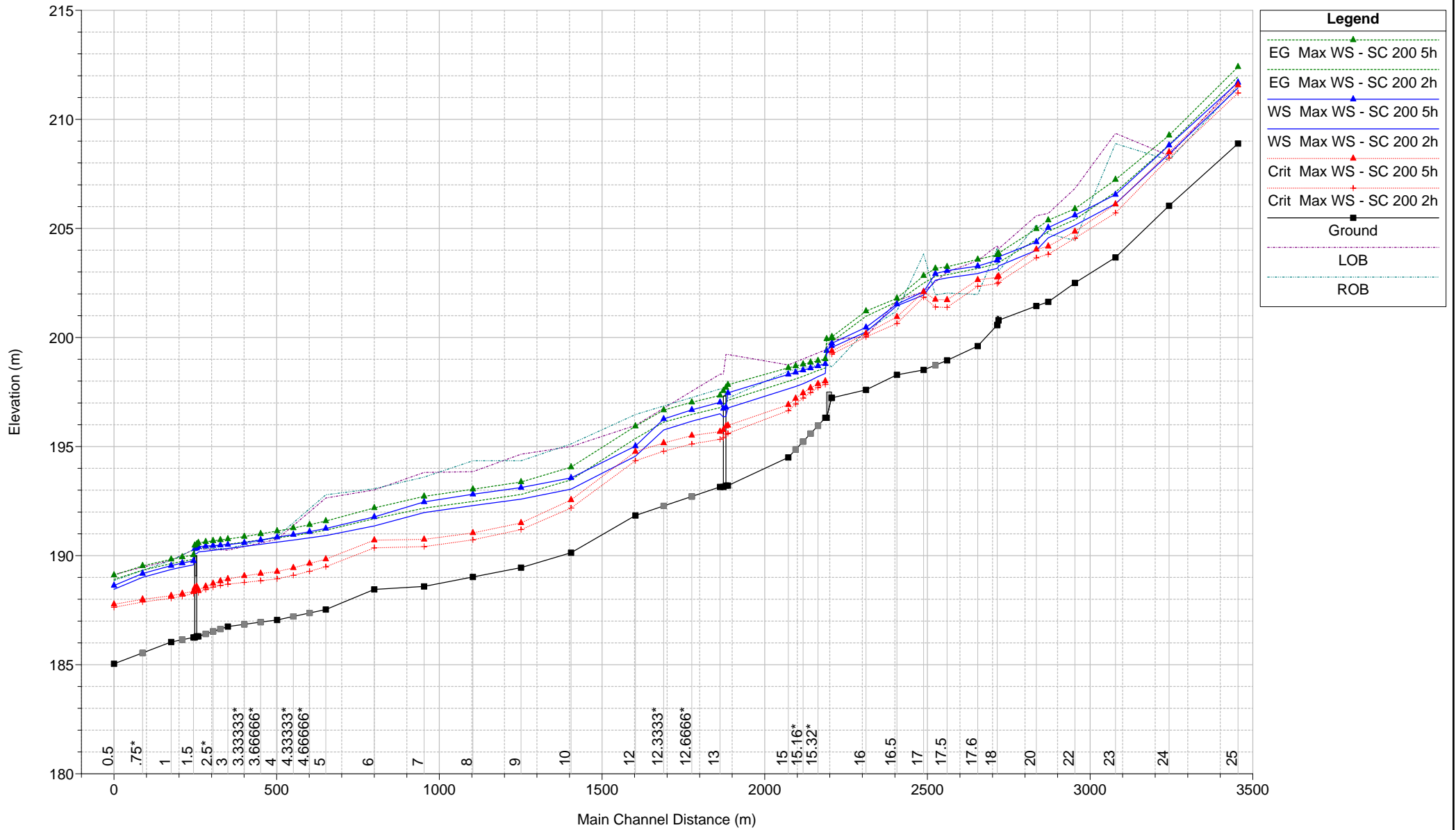
HEC-RAS Profile: Max WS (Continued)

Connection	Profile	Plan	Q Total (m3/s)	W.S. Elev (m)	Min El Weir Flow (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Weir Flow Area (m2)	Wr Top Wdth (m)
F1-F2	Max WS	SC 30 6h	0.00	198.10	198.20				
F2-F3	Max WS	SC 30 2h	0.00	198.40	200.00				
F2-F3	Max WS	SC 30 6h	0.00	198.40	200.00				
G1-G2	Max WS	SC 30 2h	0.00	194.16	194.17				
G1-G2	Max WS	SC 30 6h	0.00	194.16	194.17				
H1-H2	Max WS	SC 30 2h	0.00	193.97	193.97				
H1-H2	Max WS	SC 30 6h	0.00	193.97	193.97				
I1-I2	Max WS	SC 30 2h	0.43	201.72	201.44	0.28	0.05	0.95	20.23
I1-I2	Max WS	SC 30 6h	0.09	201.64	201.44	0.21	0.06	0.15	2.67
I1-I3	Max WS	SC 30 2h	0.00	201.72	202.21				
I1-I3	Max WS	SC 30 6h	0.00	201.64	202.21				
I2-I3	Max WS	SC 30 2h	0.00	199.97	200.33				
I2-I3	Max WS	SC 30 6h	0.00	199.97	200.33				

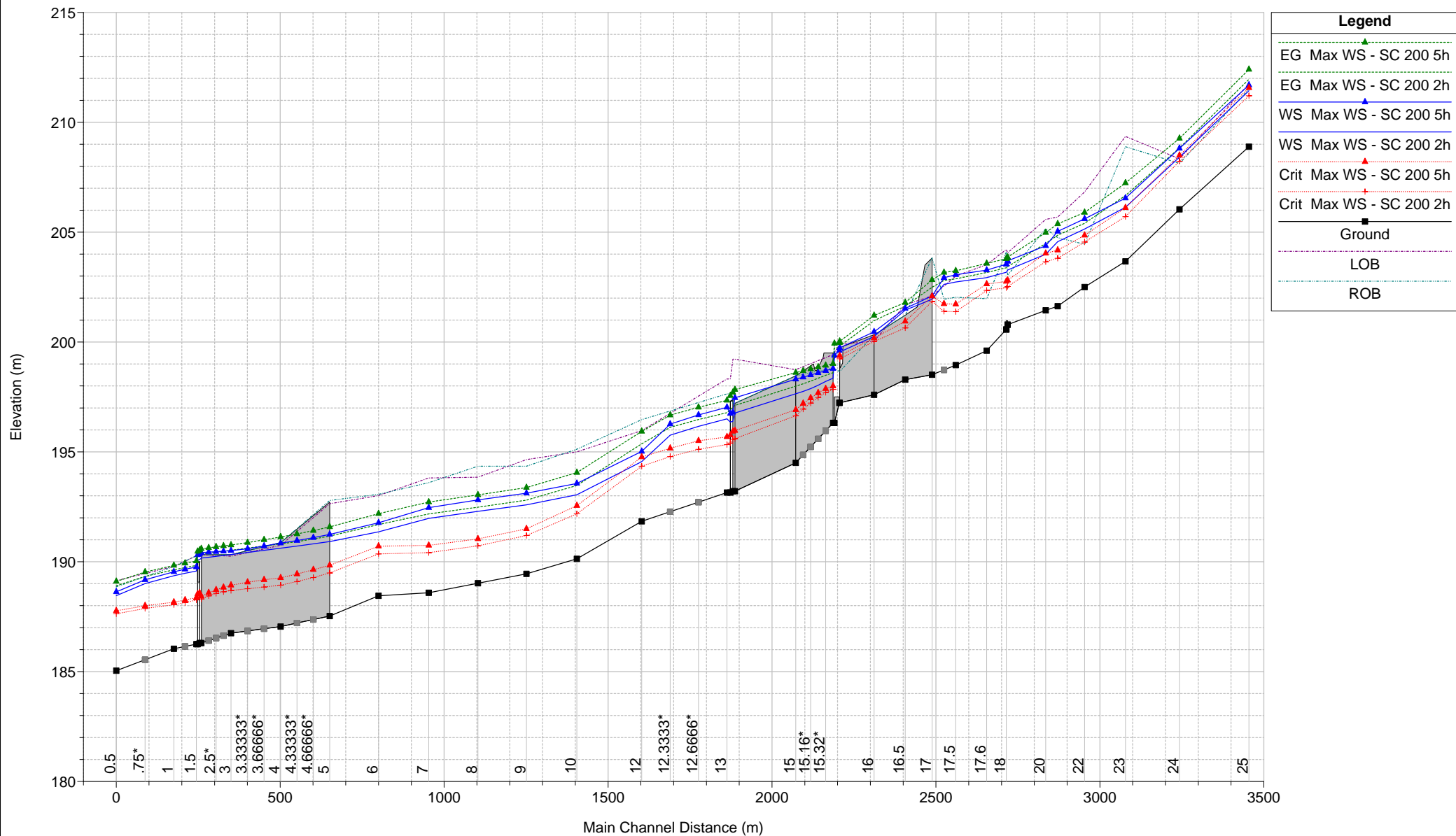
ALLEGATI DI CALCOLO APPLICATIVO HEC RAS

Profili longitudinali con livelli idraulici per tempi di ritorno 200 e 30 anni

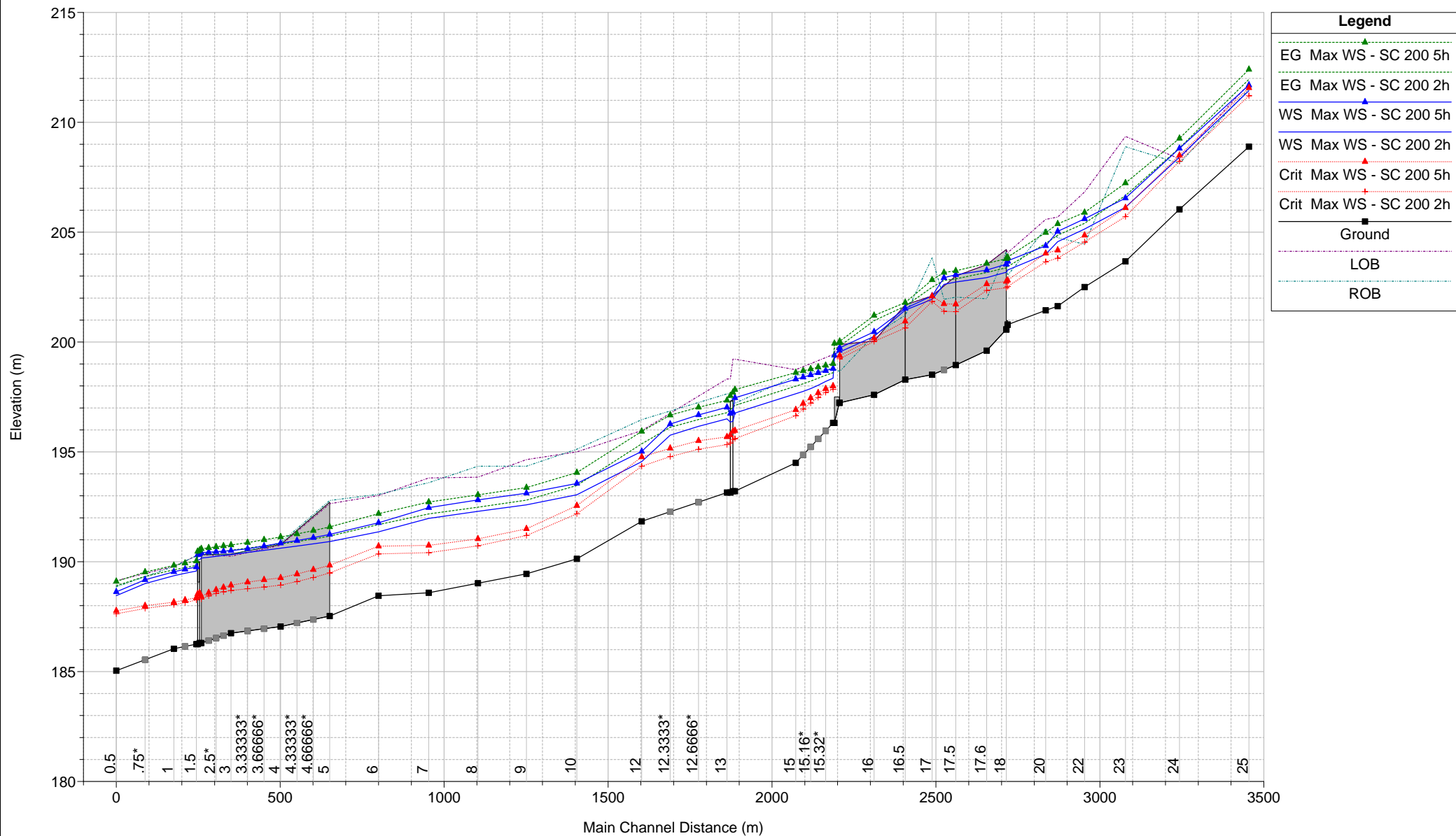
1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico T. Rosia



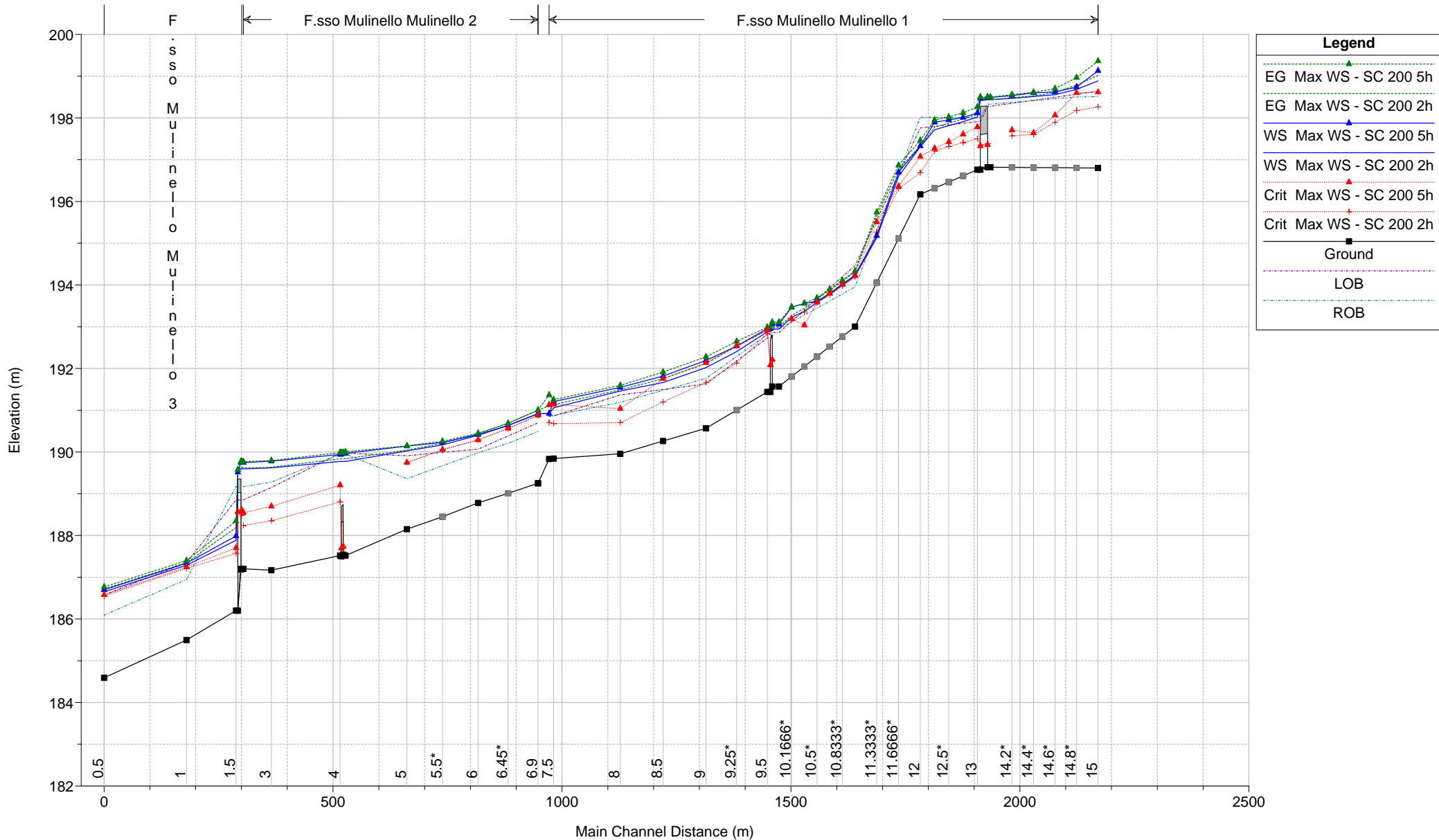
1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico T. Rosia - lateral DX

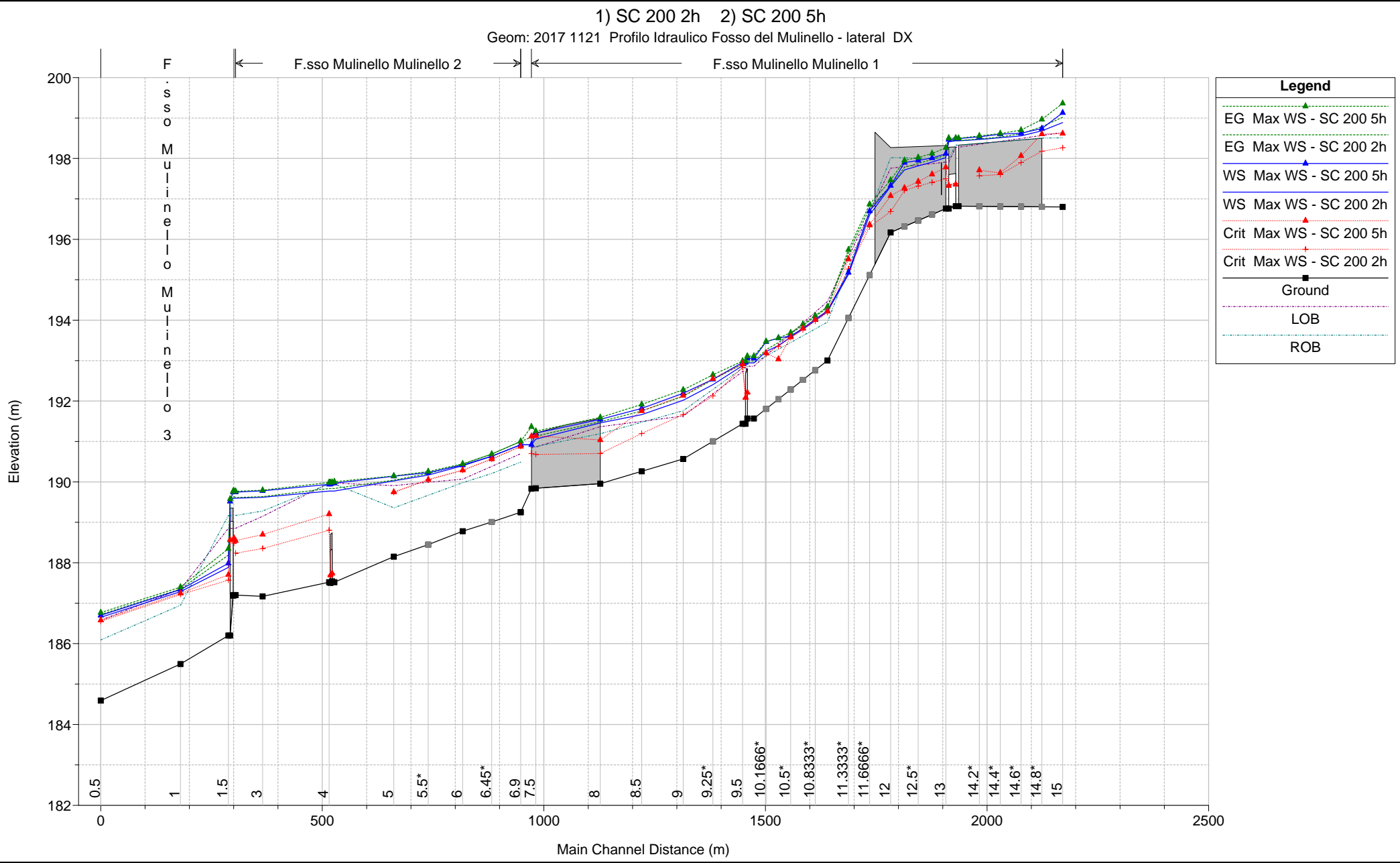


1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico T. Rosia - lateral SX



1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Mulinello





0.5

1

1.5

3

500

4

5

5.5*

6

6.45*

6.9

7.5

1000

8

8.5

9

9.25*

9.5

10.1666*

10.5

10.8333*

11

11.3333*

11.5

11.6666*

12

12.5*

13

14.2*

14.4*

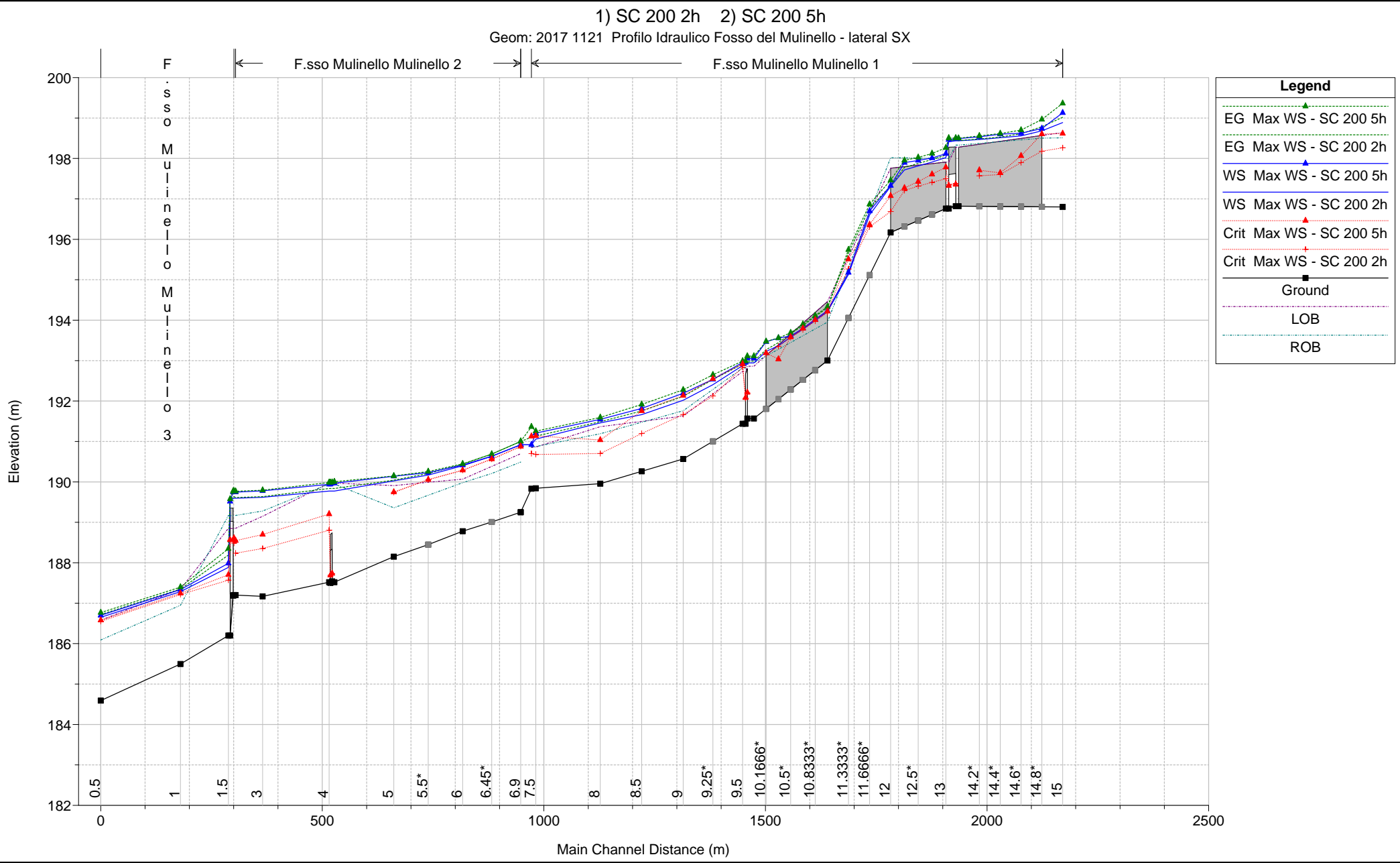
14.6*

14.8*

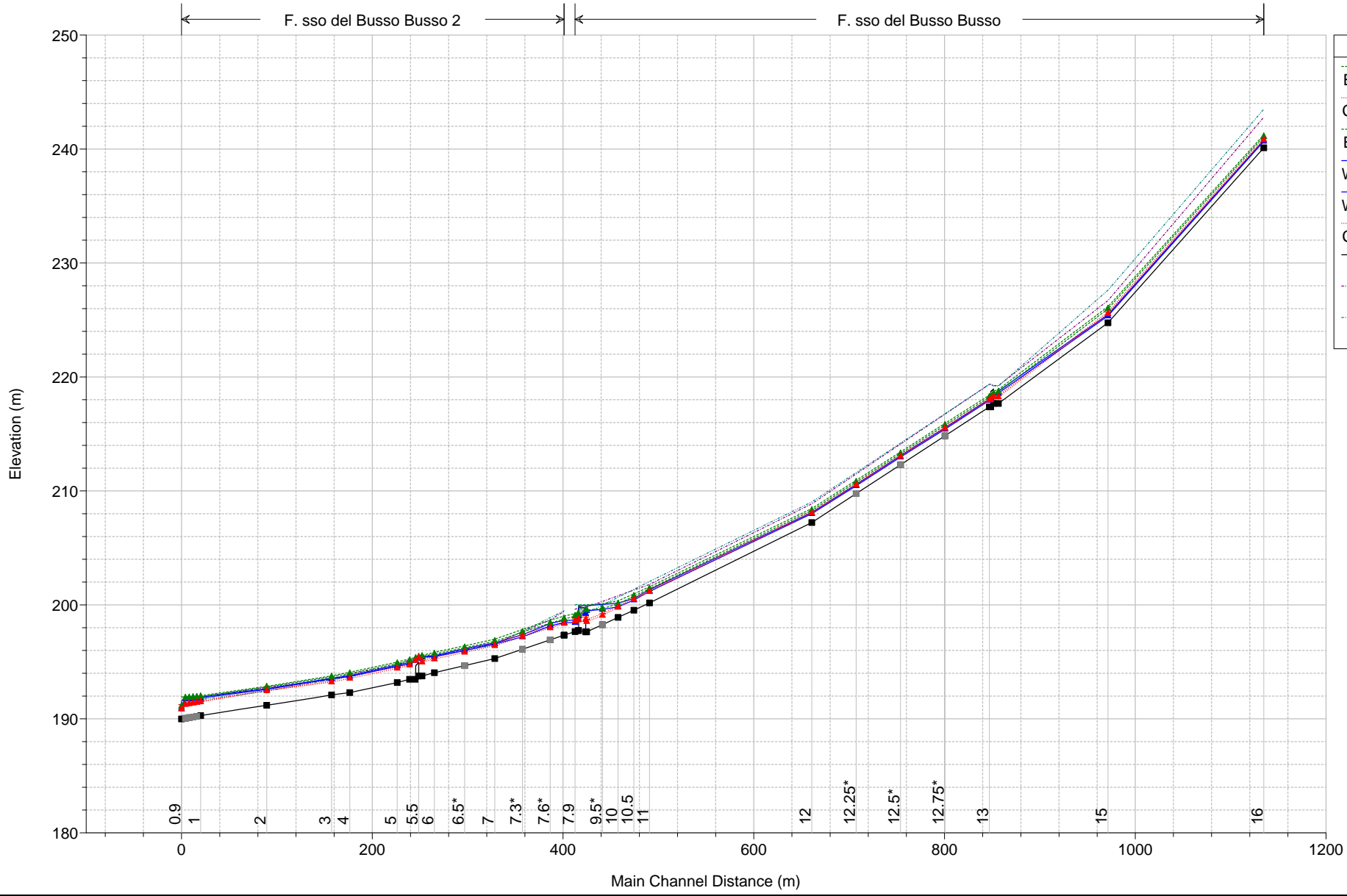
15

2000

2500

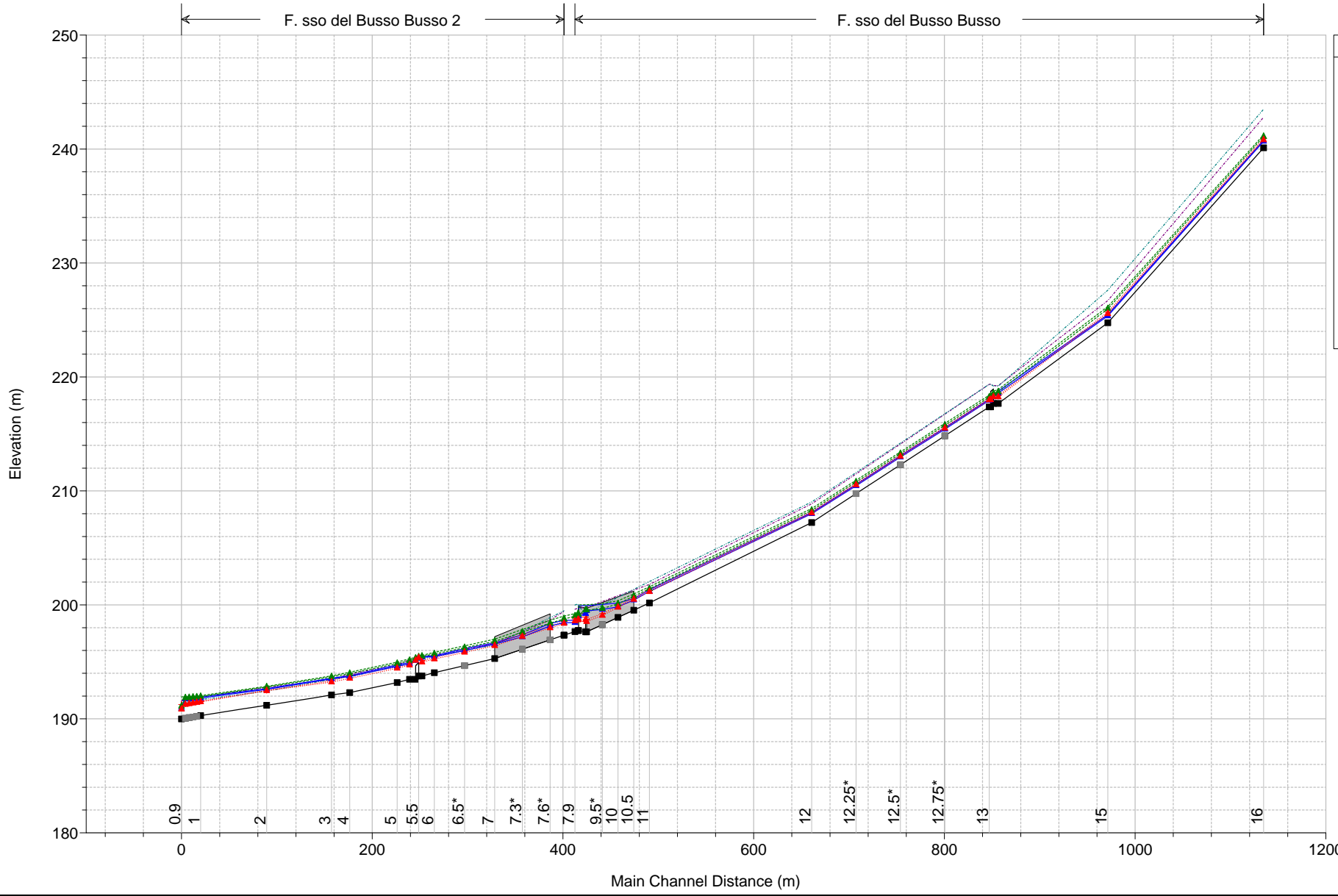


1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso



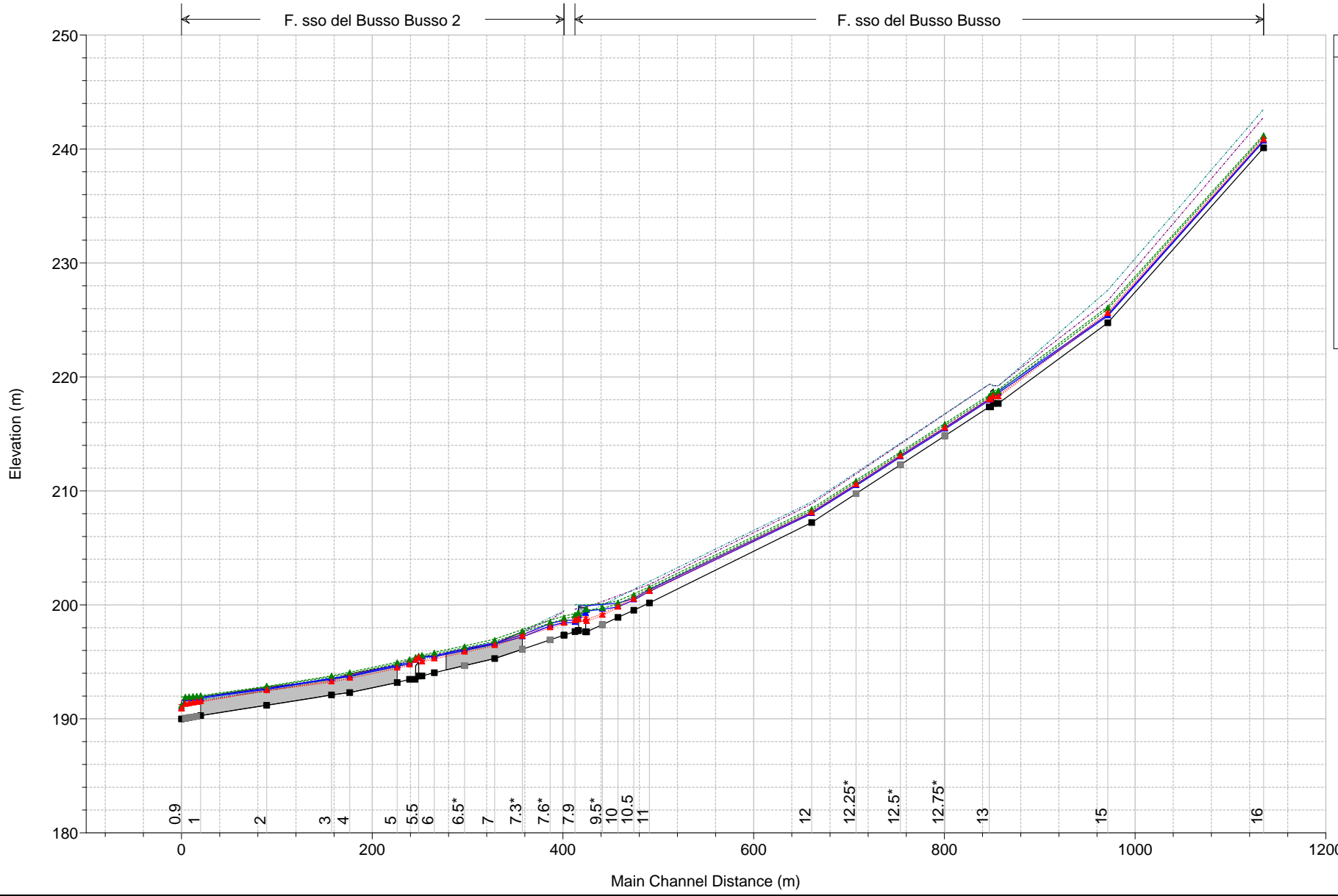
Legend	
EG Max WS - SC 200 2h	(Dotted green line with triangle marker)
Crit Max WS - SC 200 2h	(Dotted red line with triangle marker)
EG Max WS - SC 200 5h	(Dotted green line with triangle marker)
WS Max WS - SC 200 5h	(Solid purple line with triangle marker)
WS Max WS - SC 200 2h	(Solid blue line with triangle marker)
Crit Max WS - SC 200 5h	(Dotted red line with triangle marker)
Ground	(Solid black line with square marker)
LOB	(Dashed cyan line)
ROB	(Dashed cyan line)

1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso - laterale DX



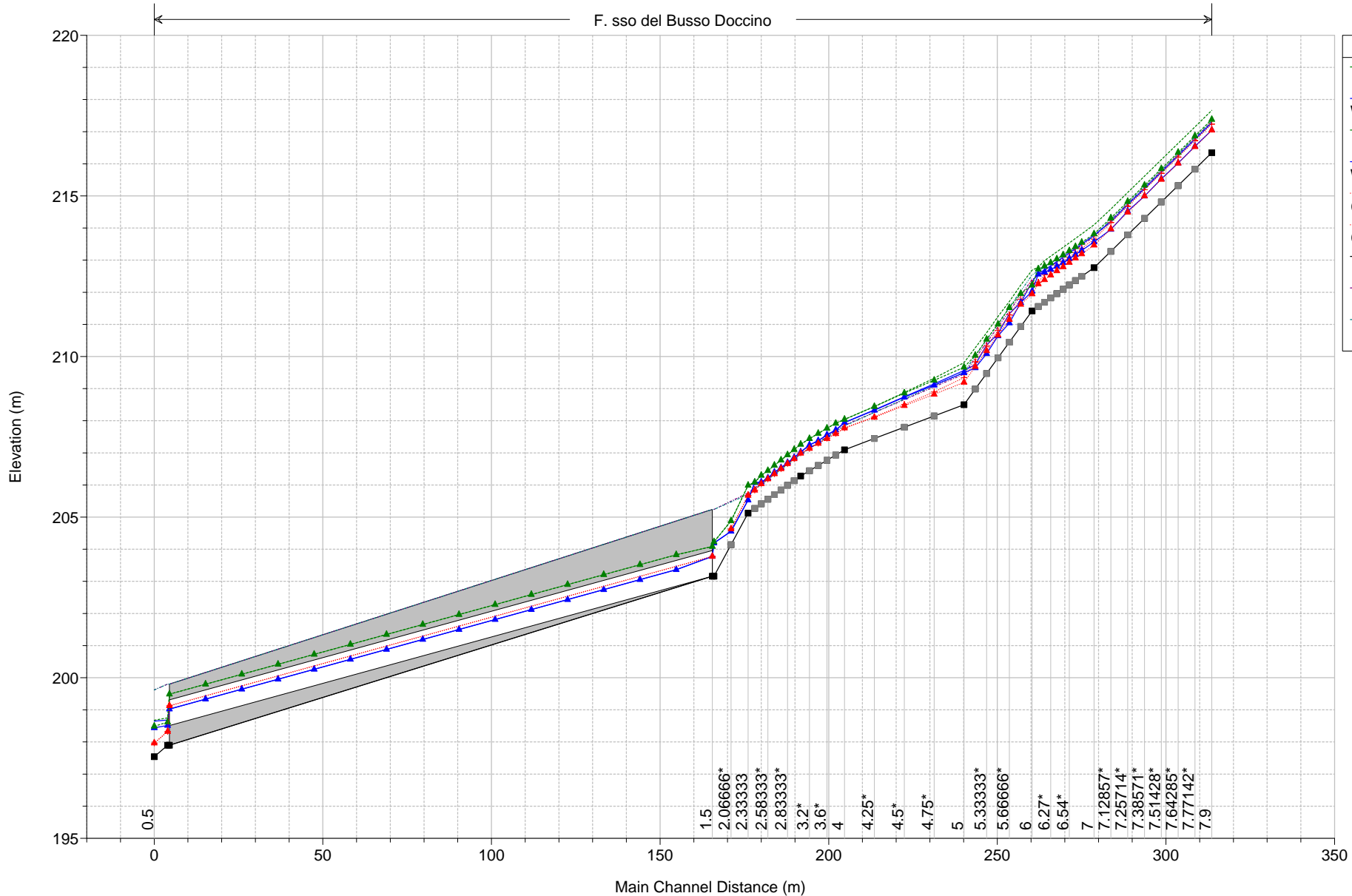
Legend	
EG Max WS - SC 200 2h	(Green dashed line with upward triangles)
Crit Max WS - SC 200 2h	(Red dotted line with upward triangles)
EG Max WS - SC 200 5h	(Green dashed line with upward triangles)
WS Max WS - SC 200 5h	(Blue solid line with upward triangles)
WS Max WS - SC 200 2h	(Blue solid line with upward triangles)
Crit Max WS - SC 200 5h	(Red dotted line with upward triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso - laterale SX



Legend	
EG Max WS - SC 200 2h	(Dotted green line with triangle)
Crit Max WS - SC 200 2h	(Dotted red line with triangle)
EG Max WS - SC 200 5h	(Dotted green line with triangle)
WS Max WS - SC 200 5h	(Solid purple line with triangle)
WS Max WS - SC 200 2h	(Solid blue line with triangle)
Crit Max WS - SC 200 5h	(Dotted red line with triangle)
Ground	(Solid black line with square)
LOB	(Dashed magenta line)
ROB	(Dashed cyan line)

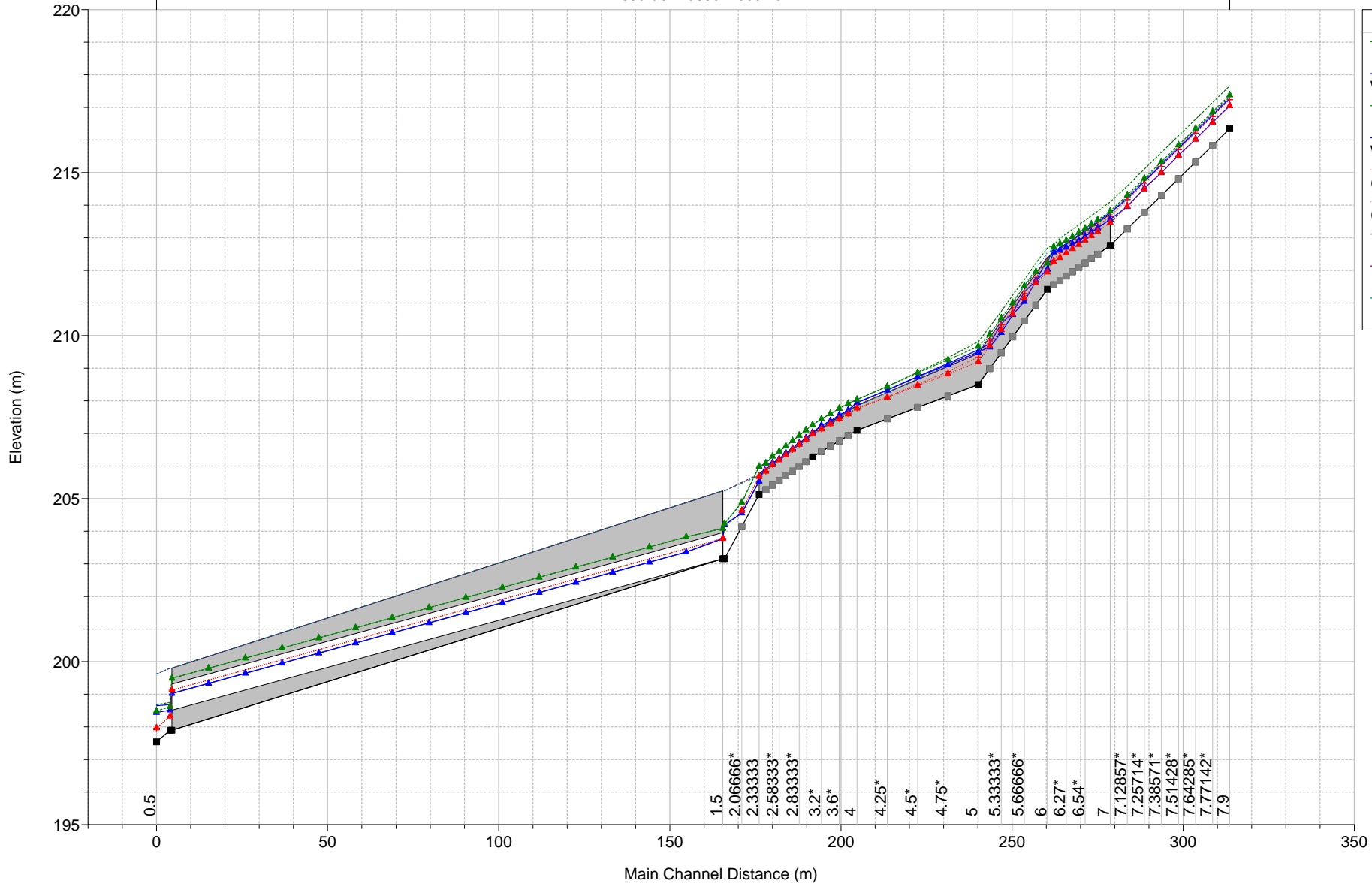
1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Doccino
 F. sso del Busso Doccino



Legend	
EG Max WS - SC 200 2h	(Green dashed line with triangles)
WS Max WS - SC 200 2h	(Blue solid line with triangles)
EG Max WS - SC 200 5h	(Green dashed line with triangles)
WS Max WS - SC 200 5h	(Red solid line with triangles)
Crit Max WS - SC 200 5h	(Red dotted line with triangles)
Crit Max WS - SC 200 2h	(Blue dotted line with triangles)
Ground	(Black solid line with squares)
LOB	(Black dashed line)
ROB	(Black dotted line)

1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso del Doccino - lateral SX

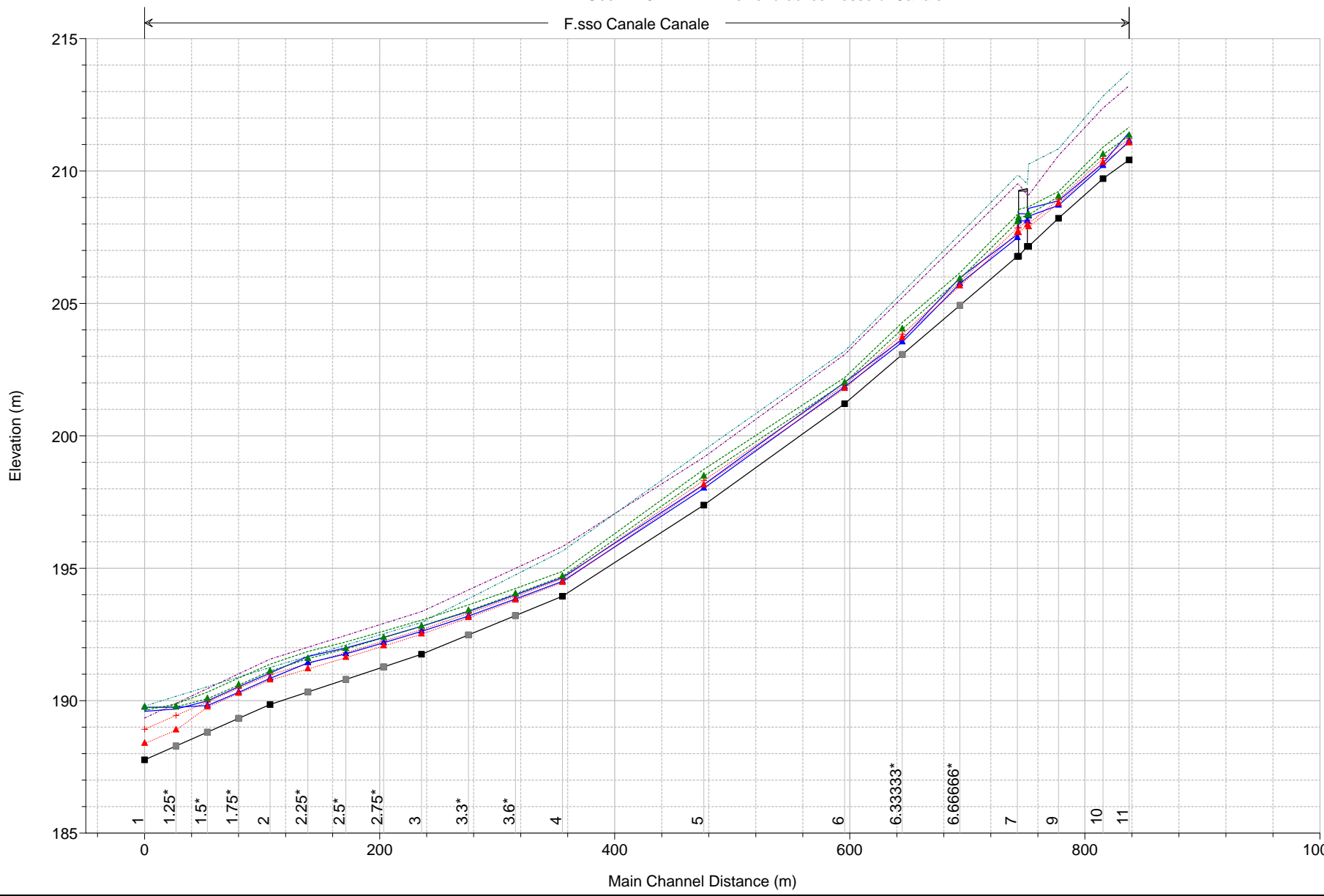
F. sso del Busso Doccino



Legend	
EG Max WS - SC 200 2h	(Green dashed line with triangles)
WS Max WS - SC 200 2h	(Blue solid line with triangles)
EG Max WS - SC 200 5h	(Green dashed line with triangles)
WS Max WS - SC 200 5h	(Blue solid line with triangles)
Crit Max WS - SC 200 5h	(Red dotted line with triangles)
Crit Max WS - SC 200 2h	(Red dotted line with triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso di Canale

F.sso Canale Canale



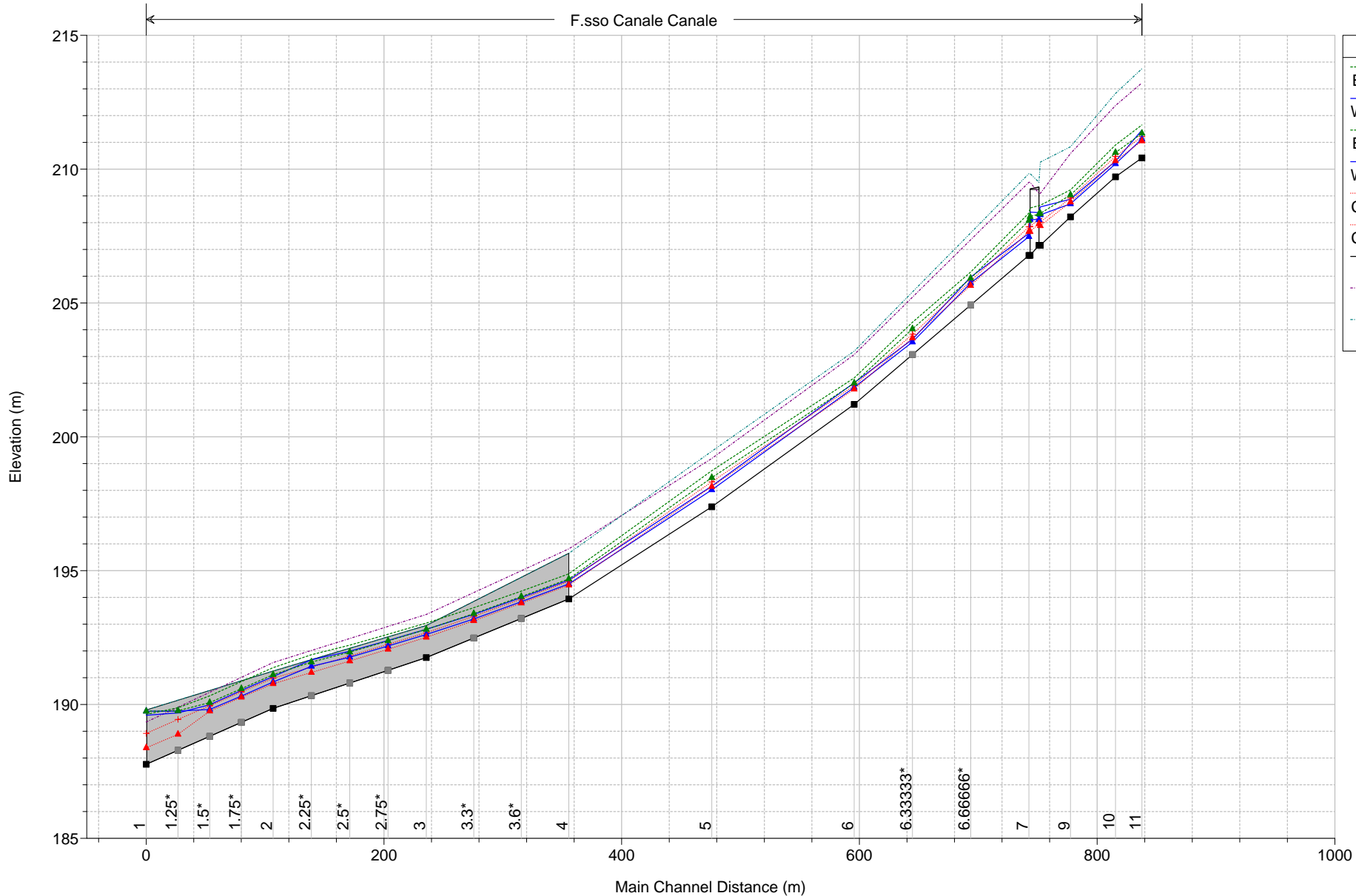
Legend	
EG Max WS - SC 200 5h	
WS Max WS - SC 200 5h	
EG Max WS - SC 200 2h	
WS Max WS - SC 200 2h	
Crit Max WS - SC 200 2h	
Crit Max WS - SC 200 5h	
Ground	
LOB	
ROB	

1 1.25* 1.5* 1.75* 2 2.25* 2.5* 2.75* 3 3.3* 3.6* 4 5 6 6.33333* 6.66666* 7 9 10 11

Main Channel Distance (m)

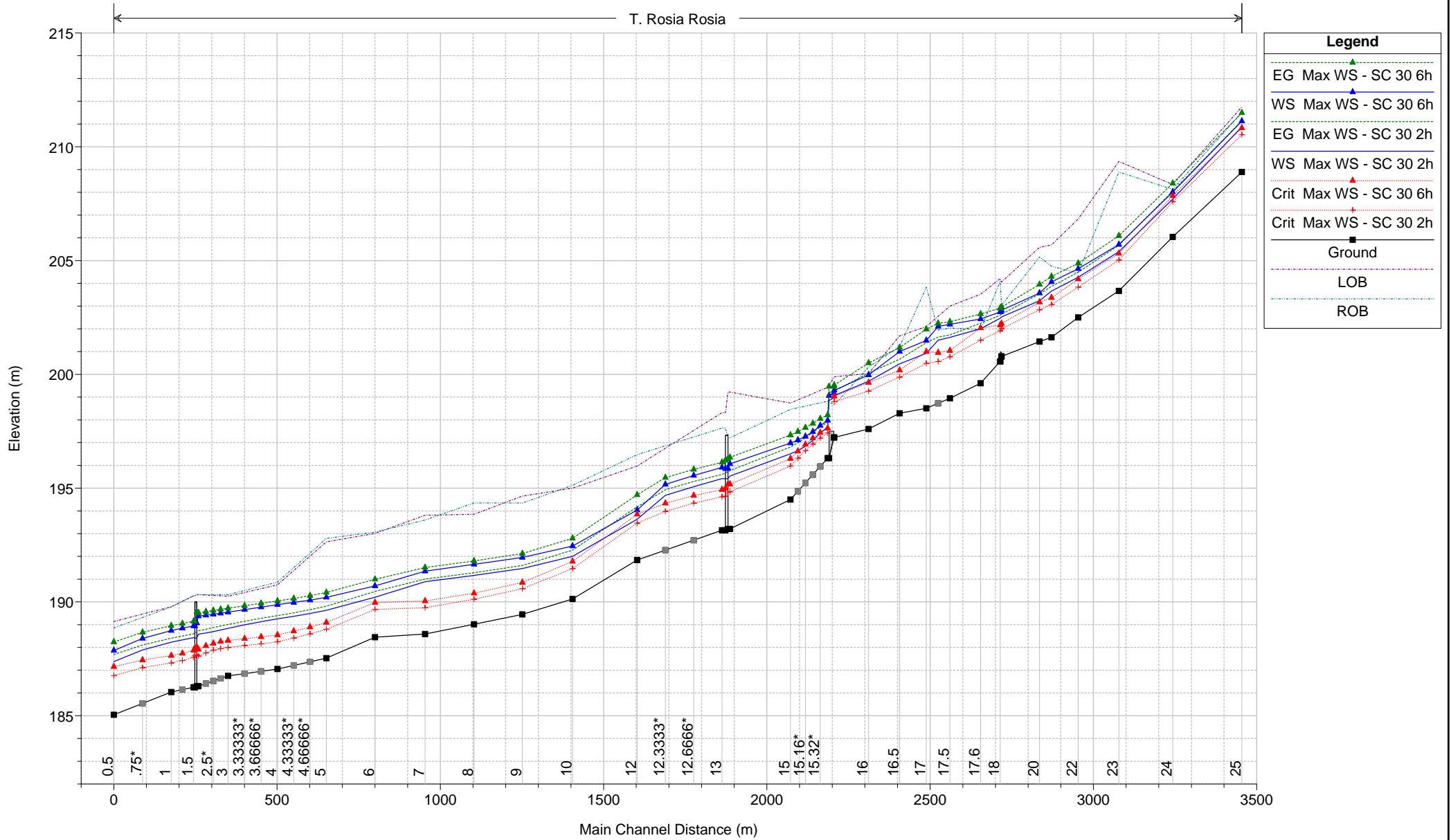
1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico Fosso di Canale - lateral DX

F.sso Canale Canale

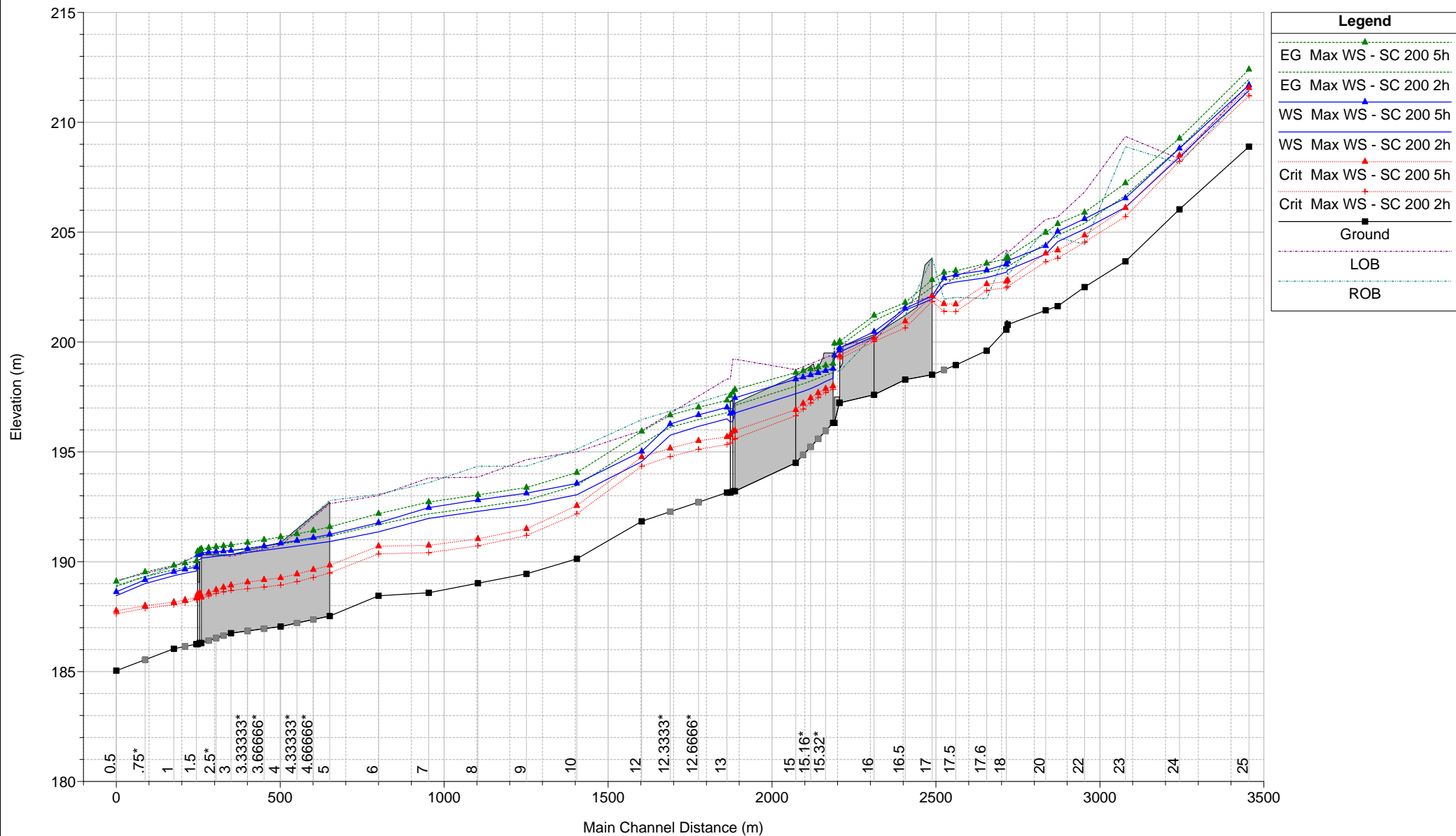


Legend	
EG Max WS - SC 200 5h	
WS Max WS - SC 200 5h	
EG Max WS - SC 200 2h	
WS Max WS - SC 200 2h	
Crit Max WS - SC 200 2h	
Crit Max WS - SC 200 5h	
Ground	
LOB	
ROB	

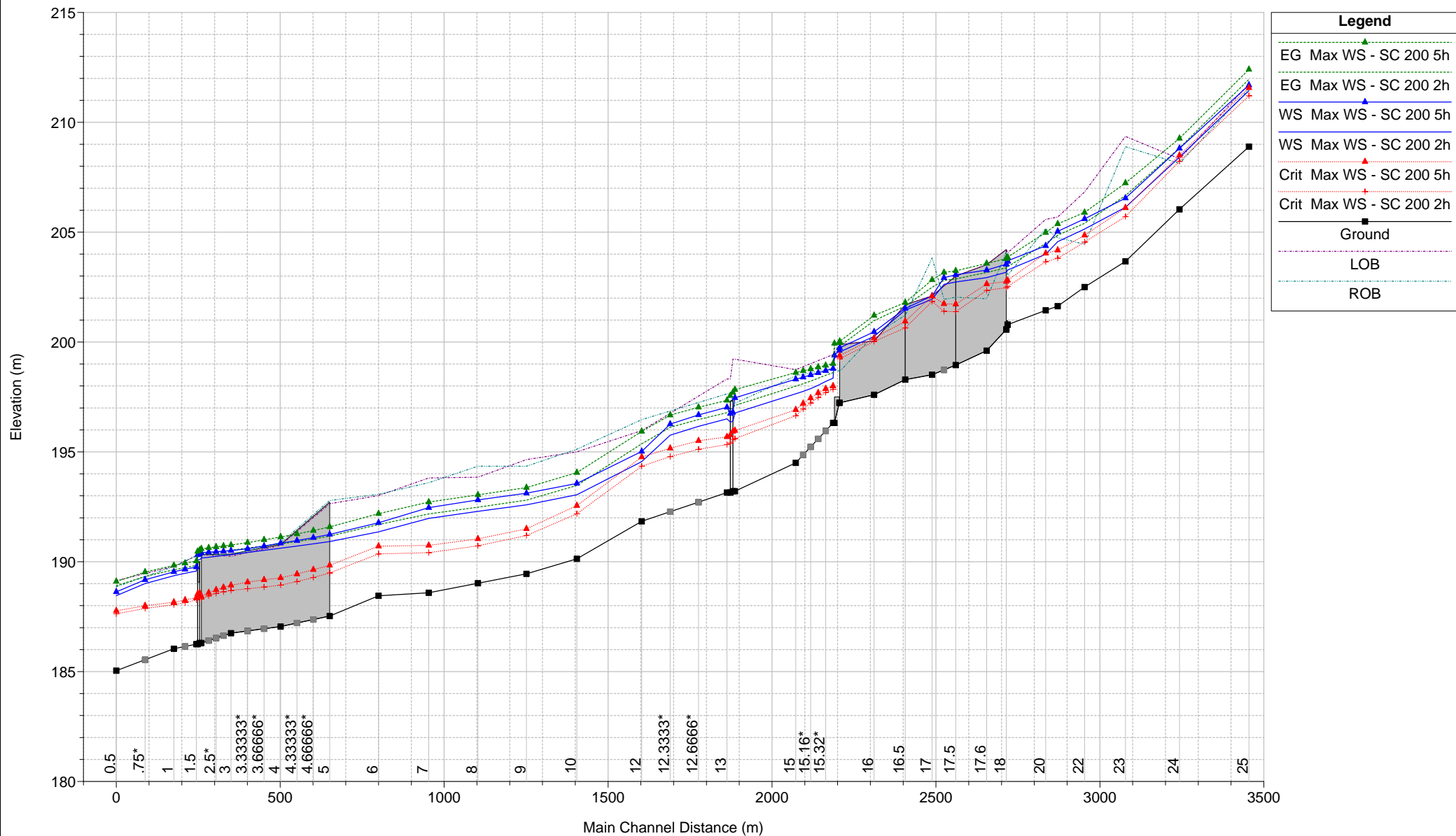
1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico T. Rosia
 T. Rosia Rosia



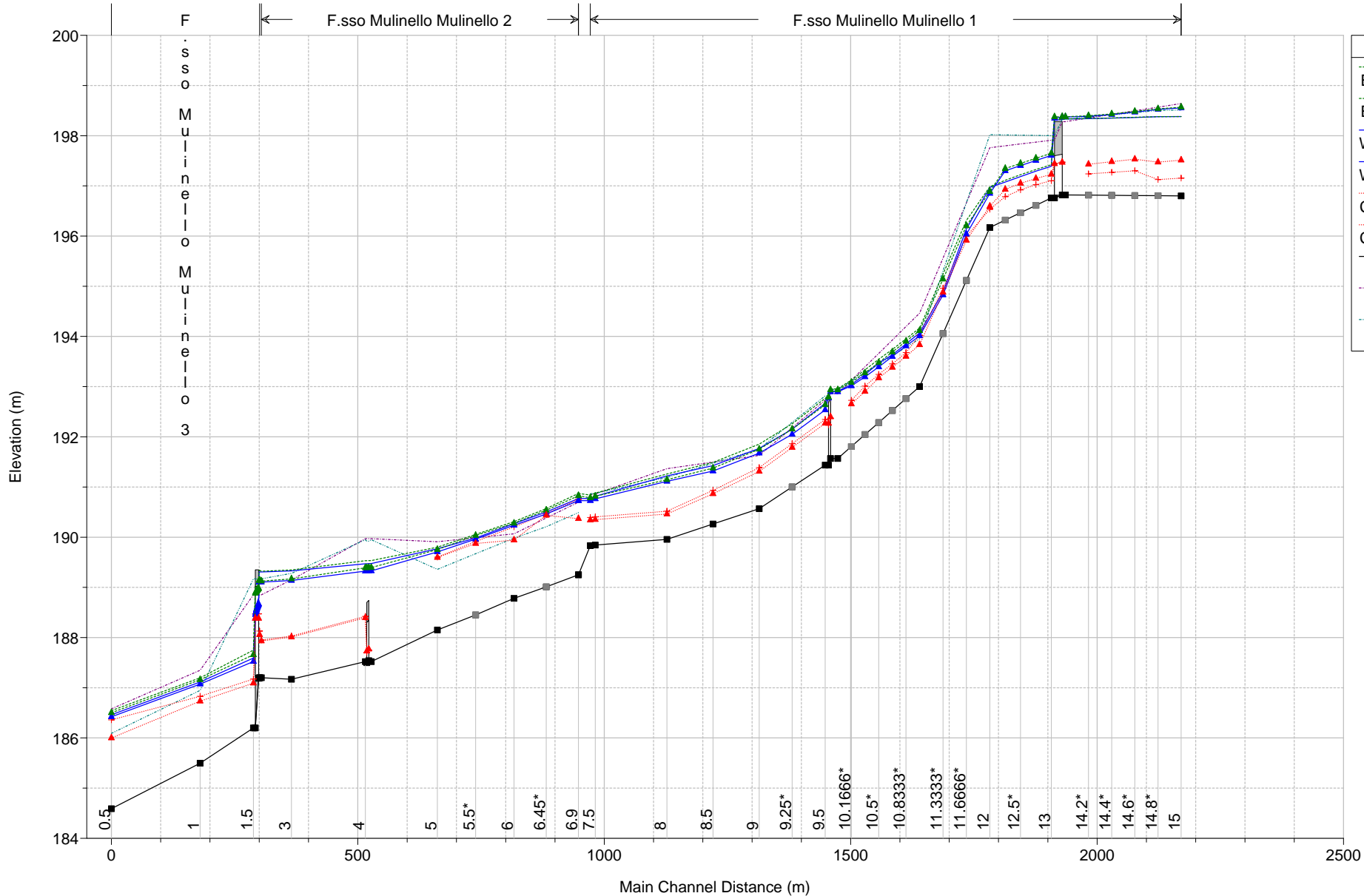
1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico T. Rosia - lateral DX



1) SC 200 2h 2) SC 200 5h
 Geom: 2017 1121 Profilo Idraulico T. Rosia - lateral SX



1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Mulinello



Legend	
EG Max WS - SC 30 2h	(Green dashed line with triangles)
EG Max WS - SC 30 6h	(Blue solid line with triangles)
WS Max WS - SC 30 2h	(Red dotted line with triangles)
WS Max WS - SC 30 6h	(Blue solid line with triangles)
Crit Max WS - SC 30 2h	(Red dotted line with triangles)
Crit Max WS - SC 30 6h	(Red dotted line with triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

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M
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3

F.sso Mulinello Mulinello 2

F.sso Mulinello Mulinello 1

0.5

1

1.5

3

4

5

5.5*

6

6.45*

6.9

7.5

8

8.5

9

9.25*

9.5

10.1666*

10.5

10.8333*

1075 825 1095 845" data-label="Text">

11.3333*

1125 825 1145 845" data-label="Text">

11.6666*

12

1225 825 1245 845" data-label="Text">

12.5*

1275 825 1295 845" data-label="Text">

13

14.2*

14.4*

14.6*

14.8*

15

500

1000

1500

2000

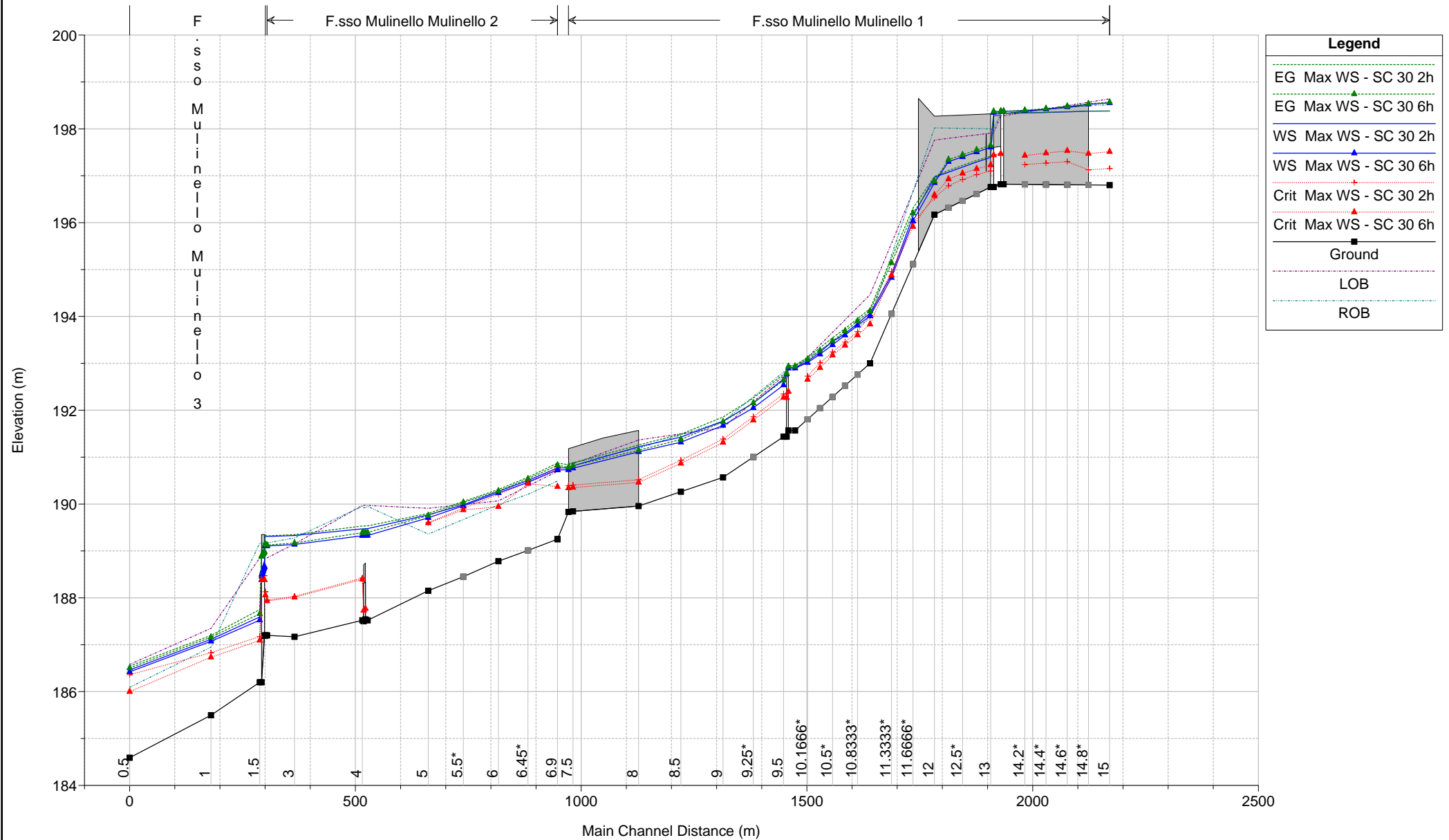
2500

Main Channel Distance (m)

Elevation (m)

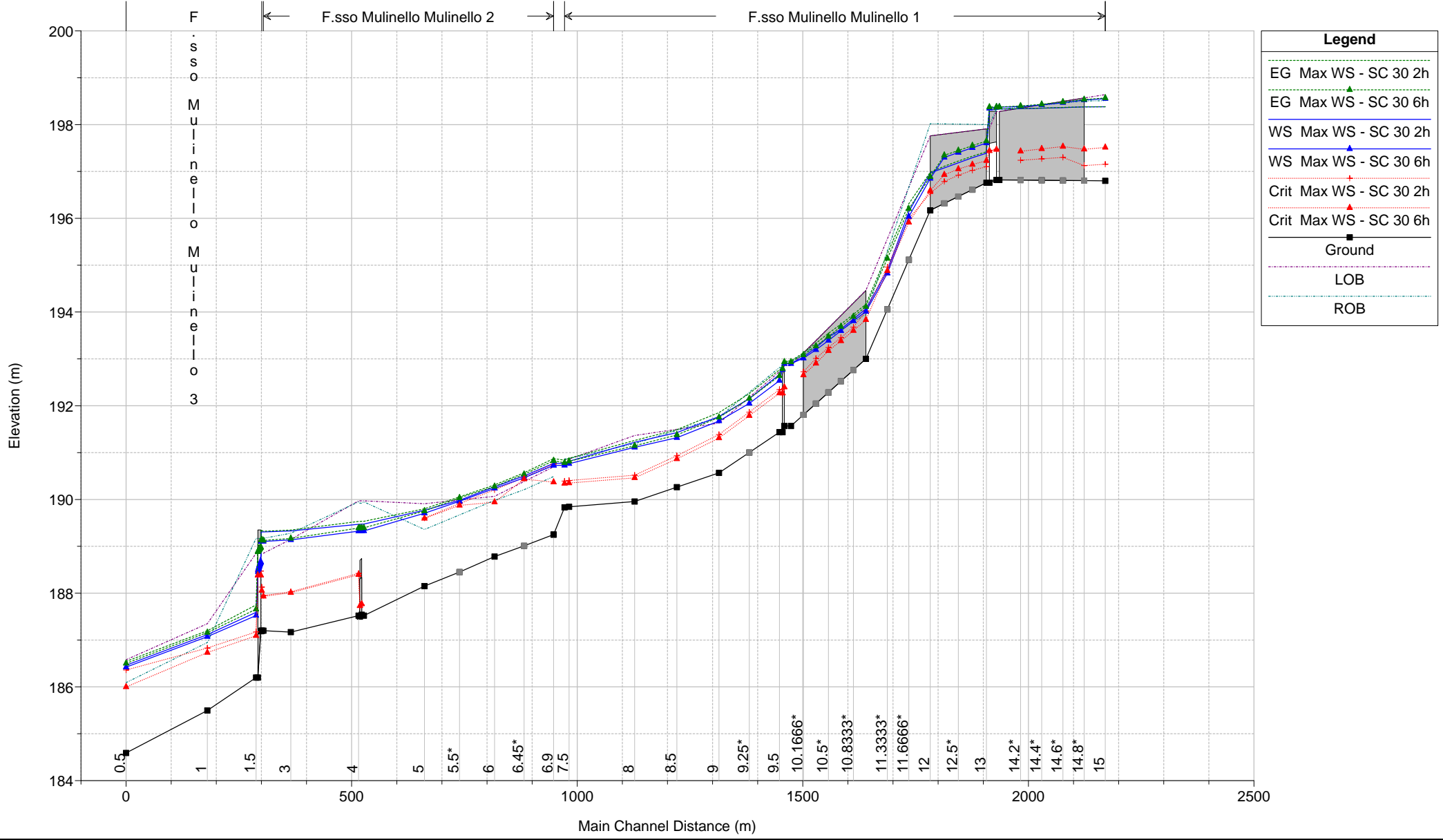
1) SC 30 2h 2) SC 30 6h

Geom: 2017 1121 Profilo Idraulico Fosso del Mulinello - lateral DX

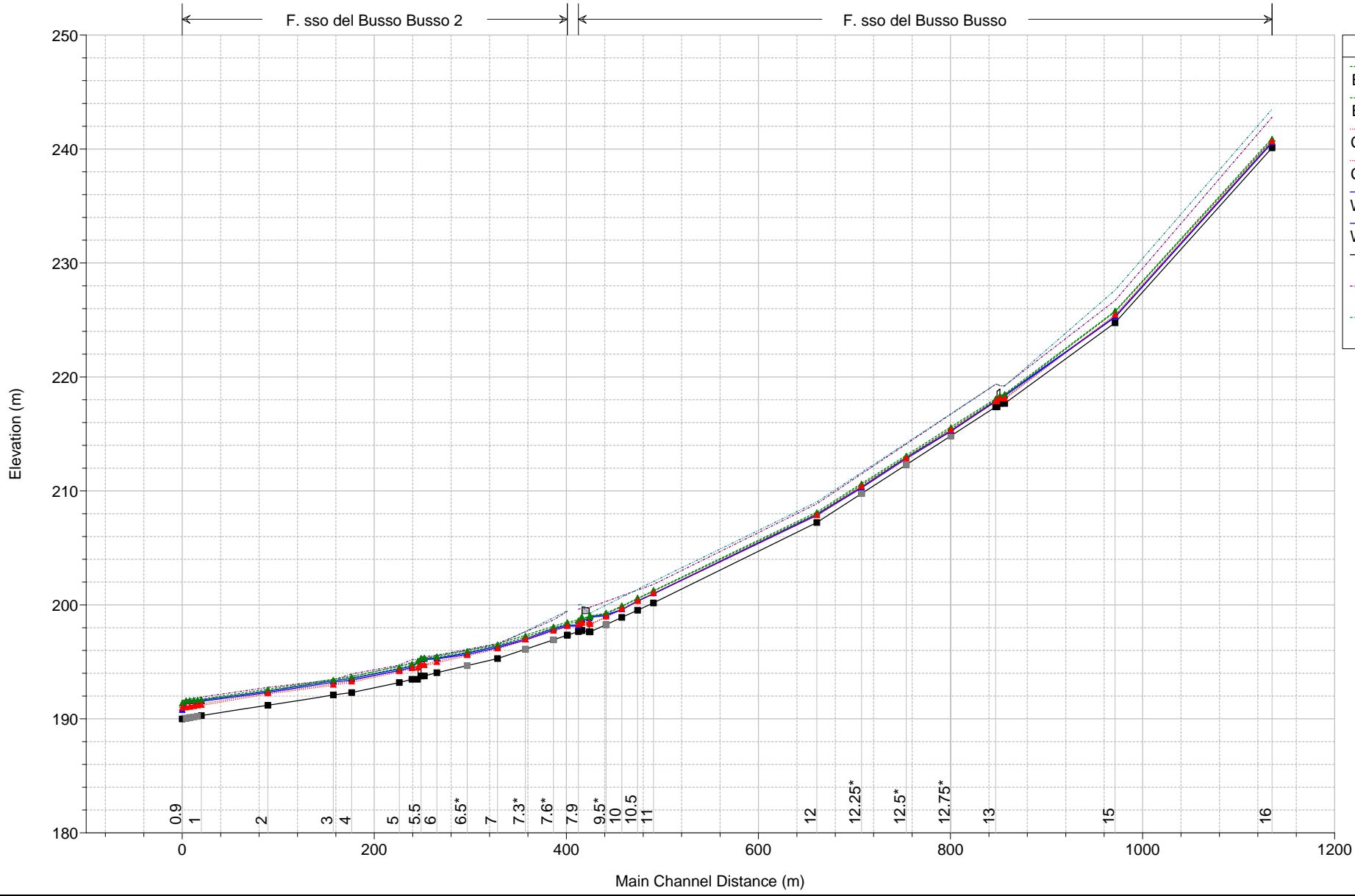


1) SC 30 2h 2) SC 30 6h

Geom: 2017 1121 Profilo Idraulico Fosso del Mulinello - lateral SX

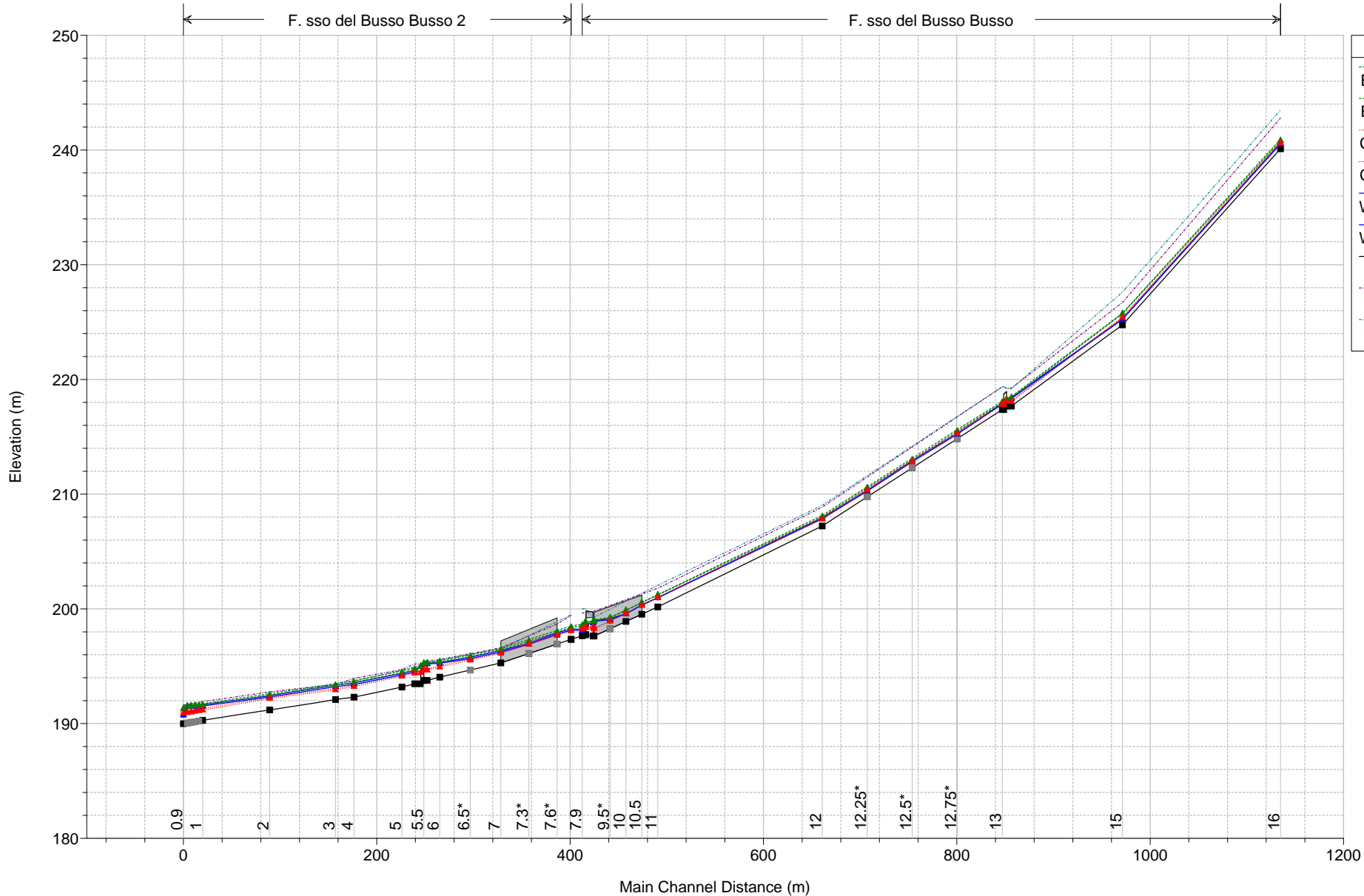


1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso



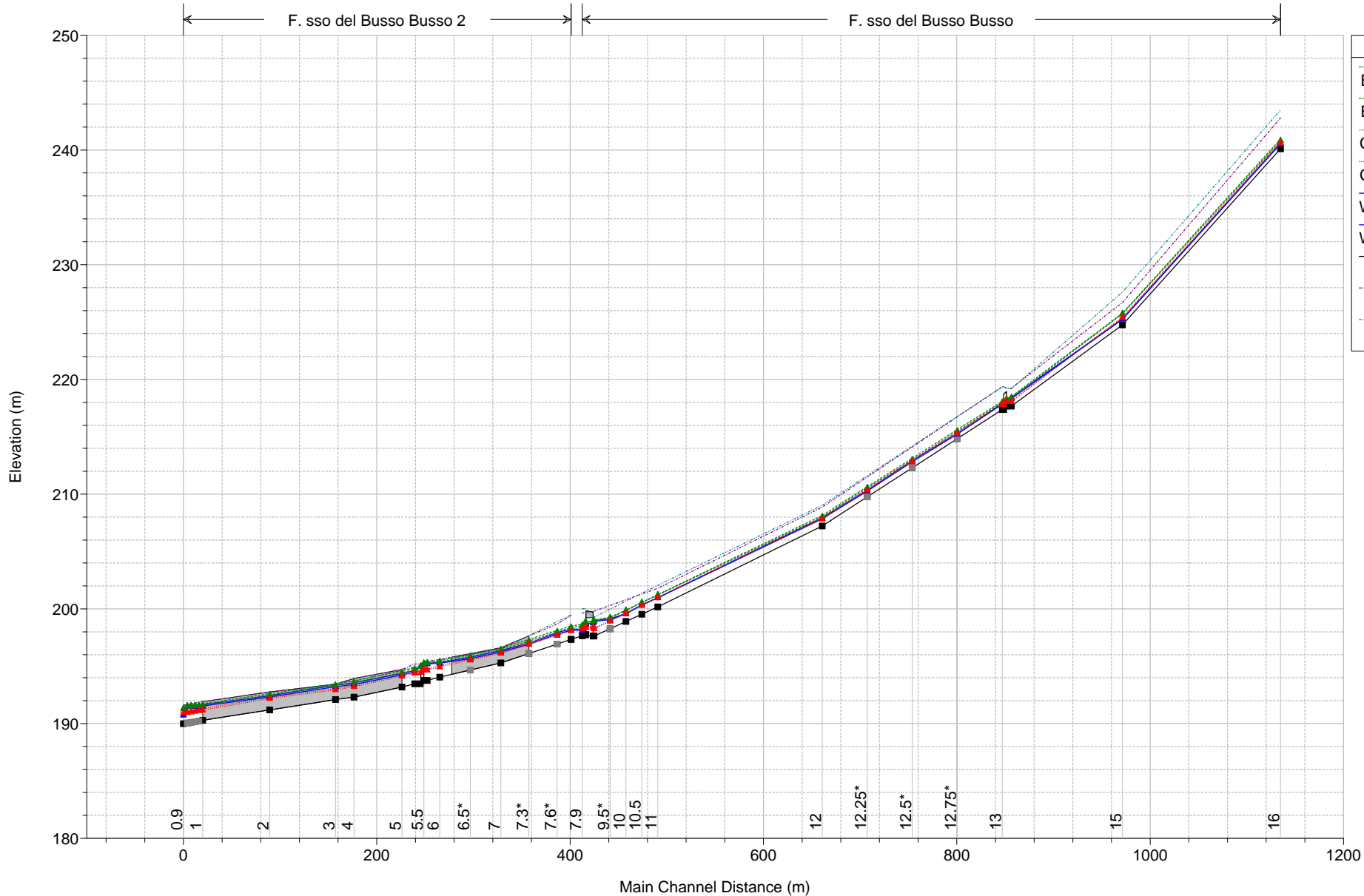
Legend	
EG Max WS - SC 30 2h	Green dashed line with upward triangles
EG Max WS - SC 30 6h	Red dashed line with upward triangles
Crit Max WS - SC 30 2h	Green dotted line with crosses
Crit Max WS - SC 30 6h	Red dotted line with crosses
WS Max WS - SC 30 2h	Blue solid line with upward triangles
WS Max WS - SC 30 6h	Red solid line with upward triangles
Ground	Black solid line with squares
LOB	Purple dashed line
ROB	Cyan dashed line

1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso - lateral DX



Legend	
EG Max WS - SC 30 2h	Green dashed line with upward triangle
EG Max WS - SC 30 6h	Red dashed line with upward triangle
Crit Max WS - SC 30 2h	Blue dashed line with upward triangle
Crit Max WS - SC 30 6h	Magenta dashed line with upward triangle
WS Max WS - SC 30 2h	Green solid line with upward triangle
WS Max WS - SC 30 6h	Red solid line with upward triangle
Ground	Black solid line with square
LOB	Purple dashed line
ROB	Cyan dashed line

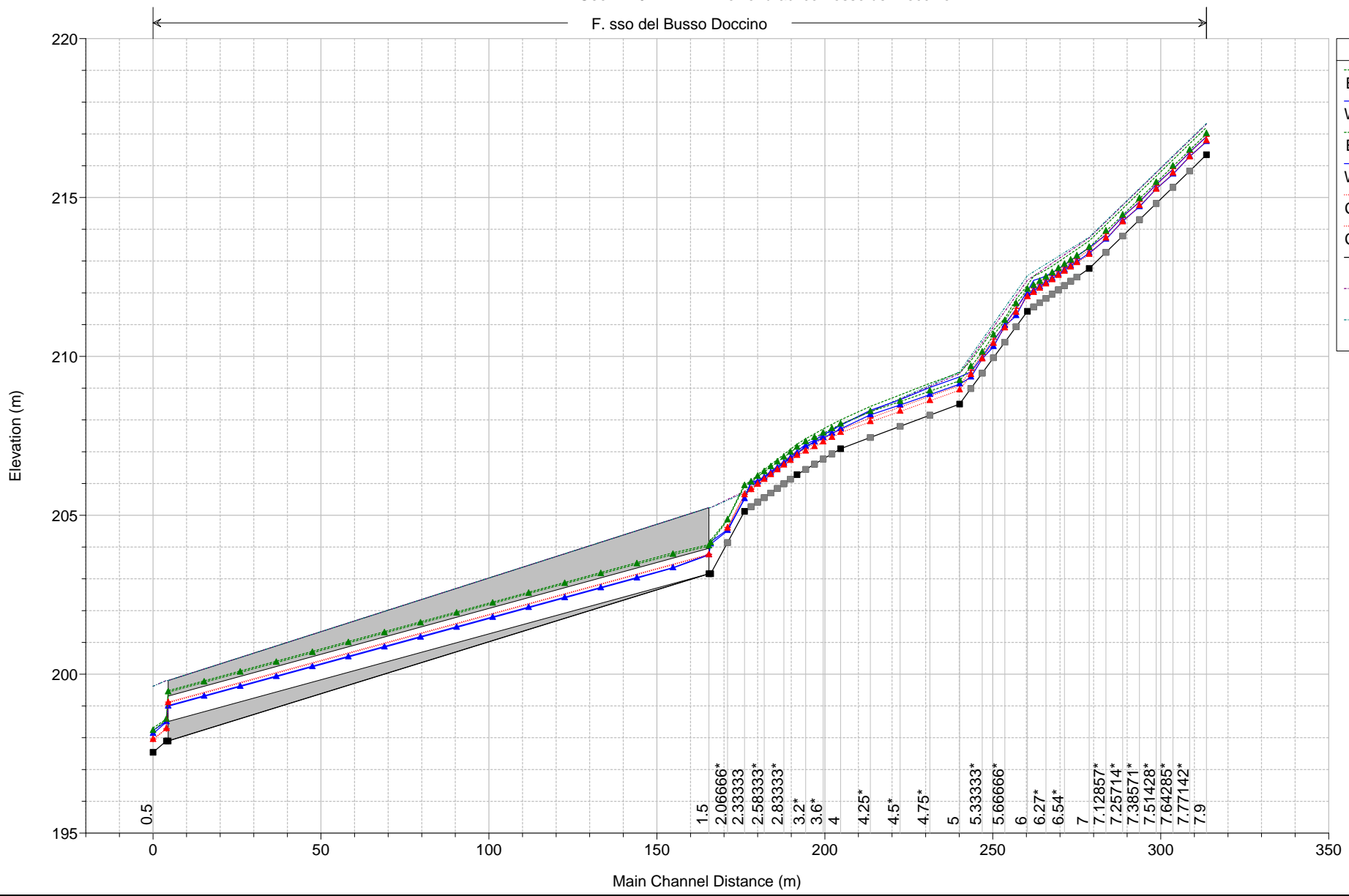
1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Busso - lateral SX



Legend	
EG Max WS - SC 30 2h	Green dashed line with upward triangles
EG Max WS - SC 30 6h	Red dashed line with upward triangles
Crit Max WS - SC 30 2h	Green dotted line with crosses
Crit Max WS - SC 30 6h	Red dotted line with crosses
WS Max WS - SC 30 2h	Blue solid line with upward triangles
WS Max WS - SC 30 6h	Red solid line with upward triangles
Ground	Black solid line with squares
LOB	Purple dashed line
ROB	Cyan dashed line

1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Doccino

F. sso del Busso Doccino



Legend	
EG Max WS - SC 30 2h	(Green dashed line with triangles)
WS Max WS - SC 30 2h	(Blue solid line with triangles)
EG Max WS - SC 30 6h	(Green dotted line with triangles)
WS Max WS - SC 30 6h	(Blue solid line with triangles)
Crit Max WS - SC 30 2h	(Red dotted line with triangles)
Crit Max WS - SC 30 6h	(Red solid line with triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

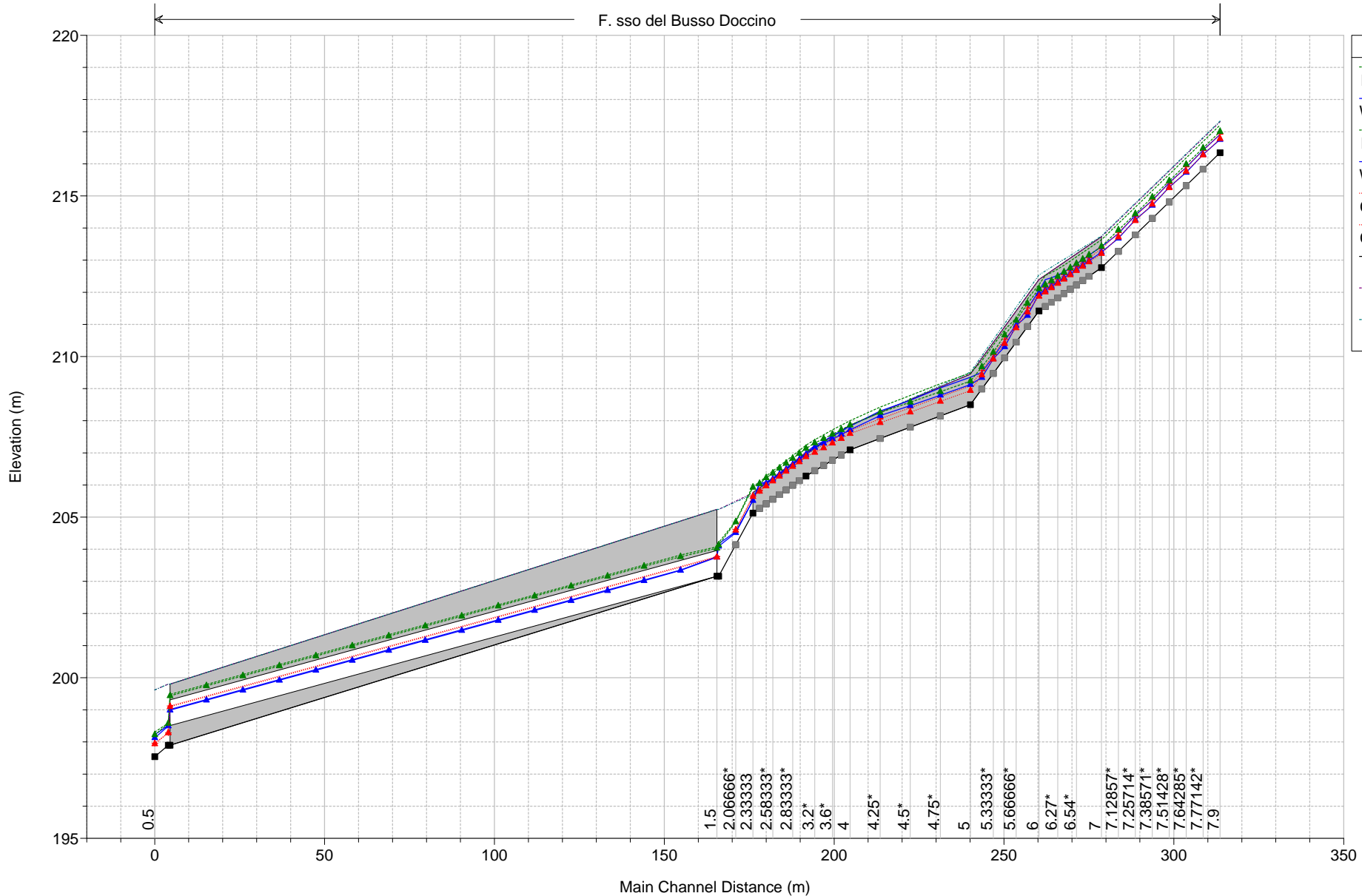
0.5

- 1.5
- 2.06666*
- 2.33333
- 2.58333*
- 2.83333*
- 3.2*
- 3.6*
- 4
- 4.25*
- 4.5*
- 4.75*
- 5
- 5.33333*
- 5.66666*
- 6
- 6.27*
- 6.54*
- 7
- 7.12857*
- 7.25714*
- 7.38571*
- 7.51428*
- 7.64285*
- 7.77142*
- 7.9

Main Channel Distance (m)

1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso del Doccino - lateral SX

F. sso del Busso Doccino



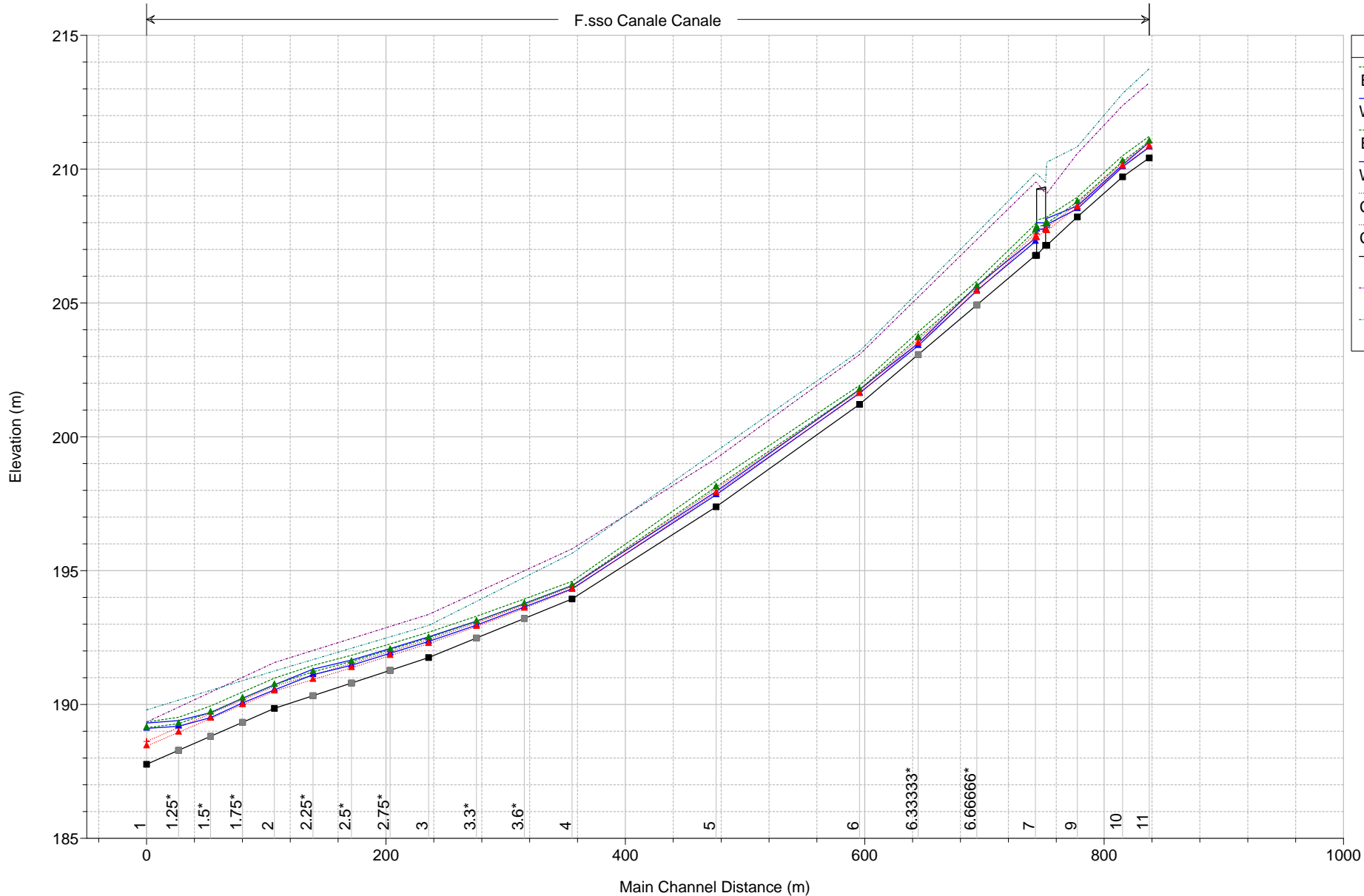
Legend	
EG Max WS - SC 30 2h	(Green dashed line with triangles)
WS Max WS - SC 30 2h	(Blue solid line with triangles)
EG Max WS - SC 30 6h	(Green dashed line with triangles)
WS Max WS - SC 30 6h	(Blue solid line with triangles)
Crit Max WS - SC 30 2h	(Red dotted line with triangles)
Crit Max WS - SC 30 6h	(Red dotted line with triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

0.5

- 1.5
- 2.06666*
- 2.33333
- 2.58333*
- 2.83333*
- 3.2*
- 3.6*
- 4
- 4.25*
- 4.5*
- 4.75*
- 5
- 5.33333*
- 5.66666*
- 6
- 6.27*
- 6.54*
- 7
- 7.12857*
- 7.25714*
- 7.38571*
- 7.51428*
- 7.64285*
- 7.77142*
- 7.9

1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso di Canale

F.sso Canale Canale



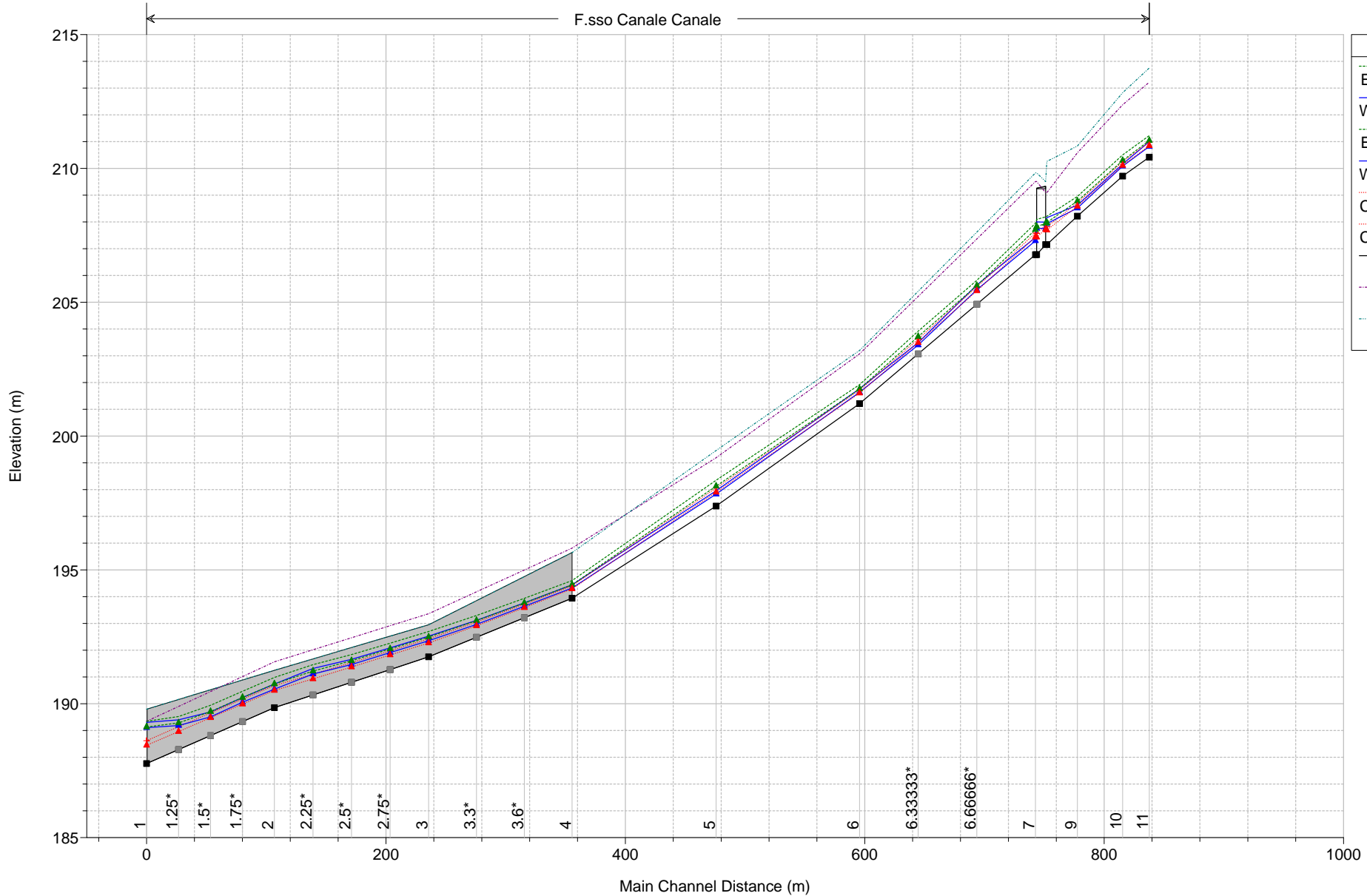
Legend	
EG Max WS - SC 30 2h	(Green dashed line with triangle marker)
WS Max WS - SC 30 2h	(Blue solid line with triangle marker)
EG Max WS - SC 30 6h	(Green solid line with triangle marker)
WS Max WS - SC 30 6h	(Blue solid line with triangle marker)
Crit Max WS - SC 30 2h	(Red dotted line with triangle marker)
Crit Max WS - SC 30 6h	(Purple dotted line with triangle marker)
Ground	(Black solid line with square marker)
LOB	(Pink dashed line)
ROB	(Cyan dashed line)

1 1.25* 1.5* 1.75* 2 2.25* 2.5* 2.75* 3 3.3* 3.6* 4 5 6 6.33333* 6.66666* 7 9 10 11

Main Channel Distance (m)

1) SC 30 2h 2) SC 30 6h
 Geom: 2017 1121 Profilo Idraulico Fosso di Canale - lateral DX

F.sso Canale Canale



Legend	
EG Max WS - SC 30 2h	(Green dashed line with triangles)
WS Max WS - SC 30 2h	(Blue solid line with triangles)
EG Max WS - SC 30 6h	(Green dashed line with triangles)
WS Max WS - SC 30 6h	(Blue solid line with triangles)
Crit Max WS - SC 30 2h	(Red dotted line with triangles)
Crit Max WS - SC 30 6h	(Red dotted line with triangles)
Ground	(Black solid line with squares)
LOB	(Purple dashed line)
ROB	(Cyan dashed line)

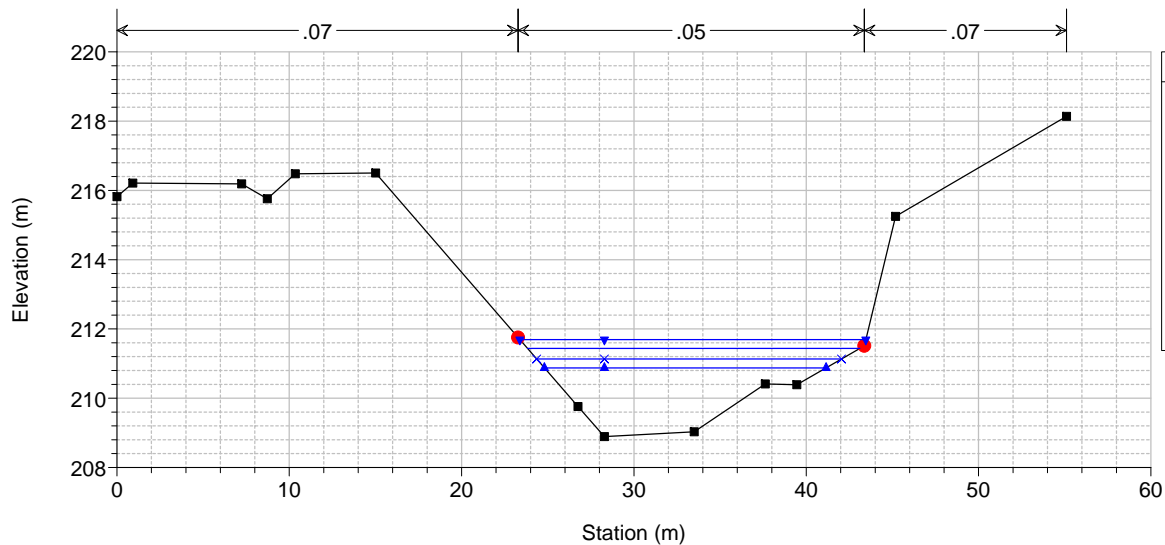
ALLEGATI DI CALCOLO APPLICATIVO HEC RAS

Sezioni idrauliche con livelli idraulici per tempi di ritorno 200 e 30 anni

1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

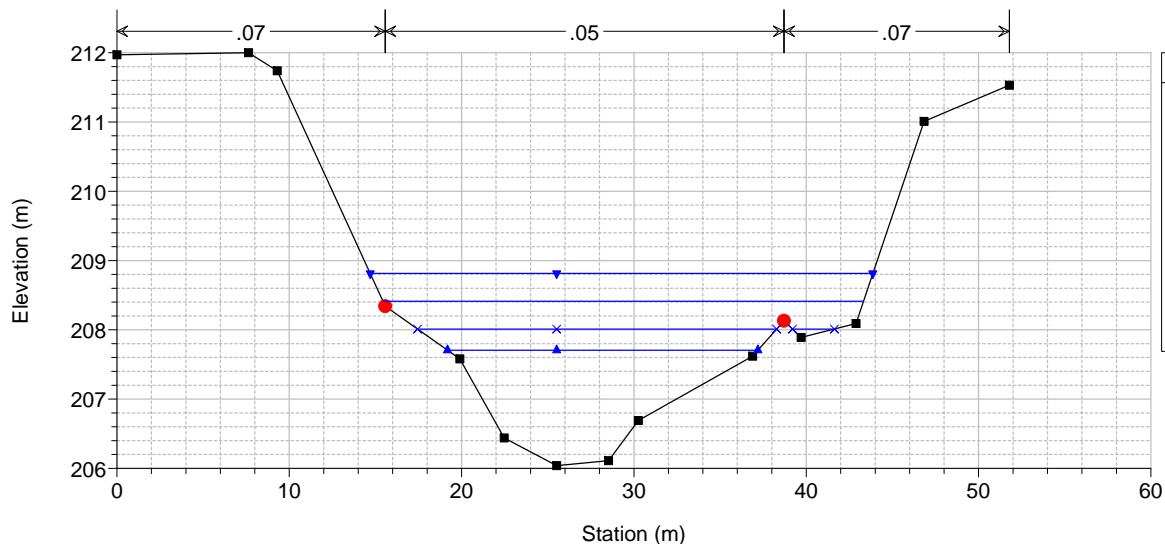
River = T. Rosia Reach = Rosia RS = 25



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

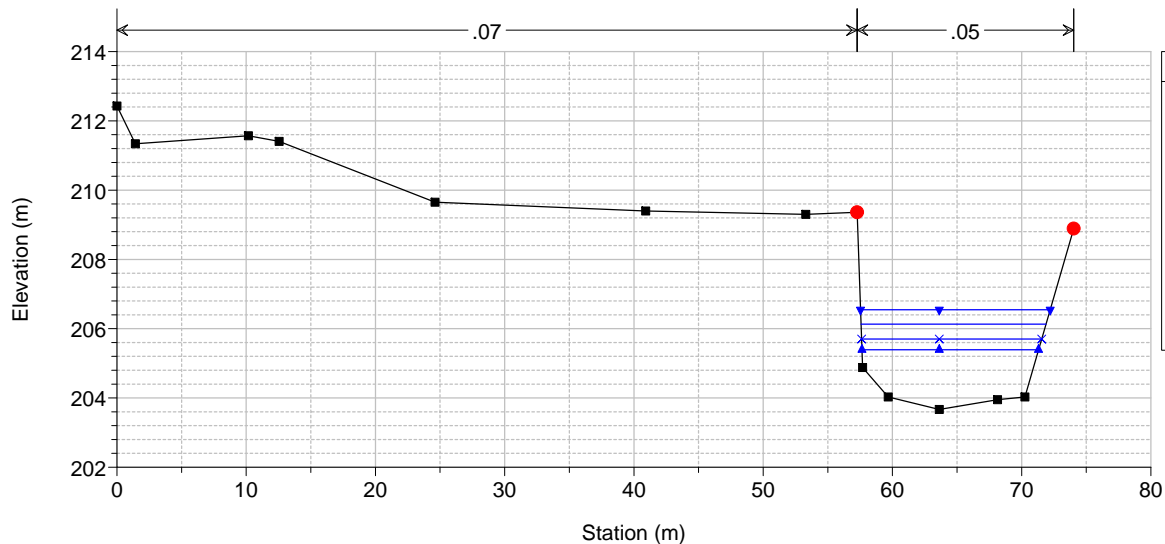
River = T. Rosia Reach = Rosia RS = 24

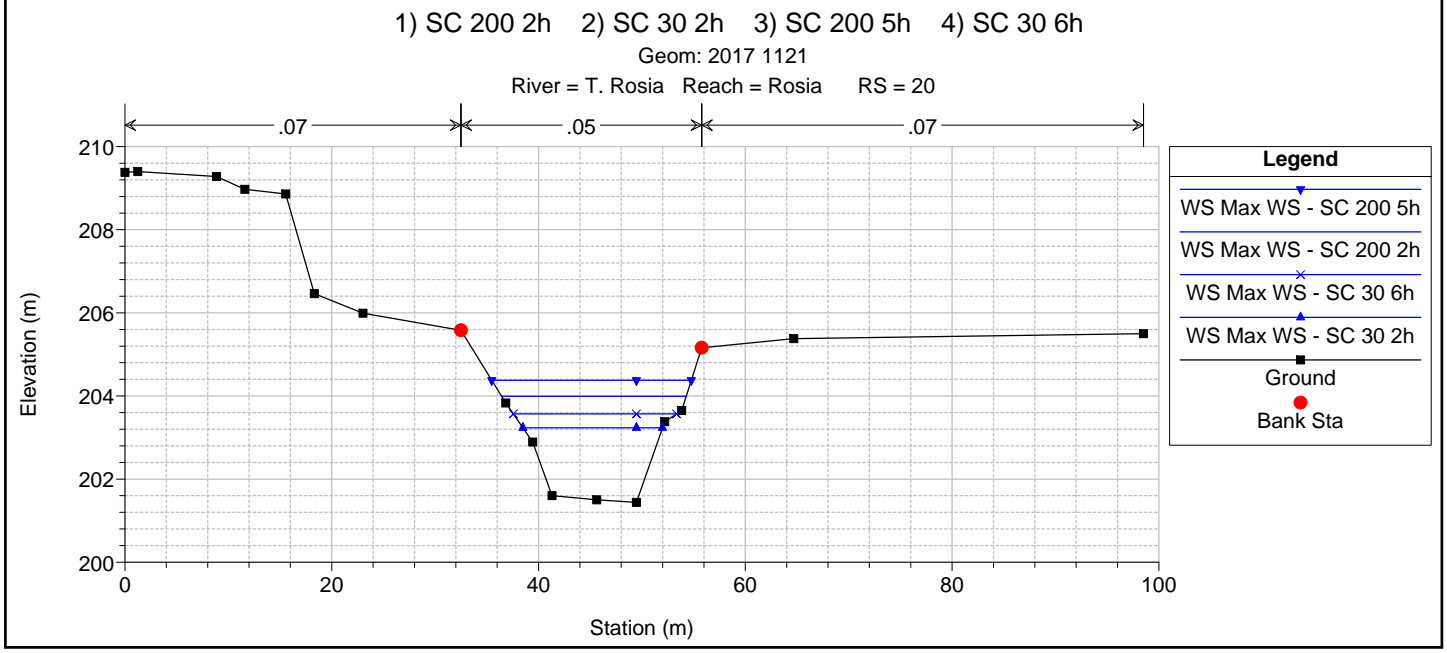
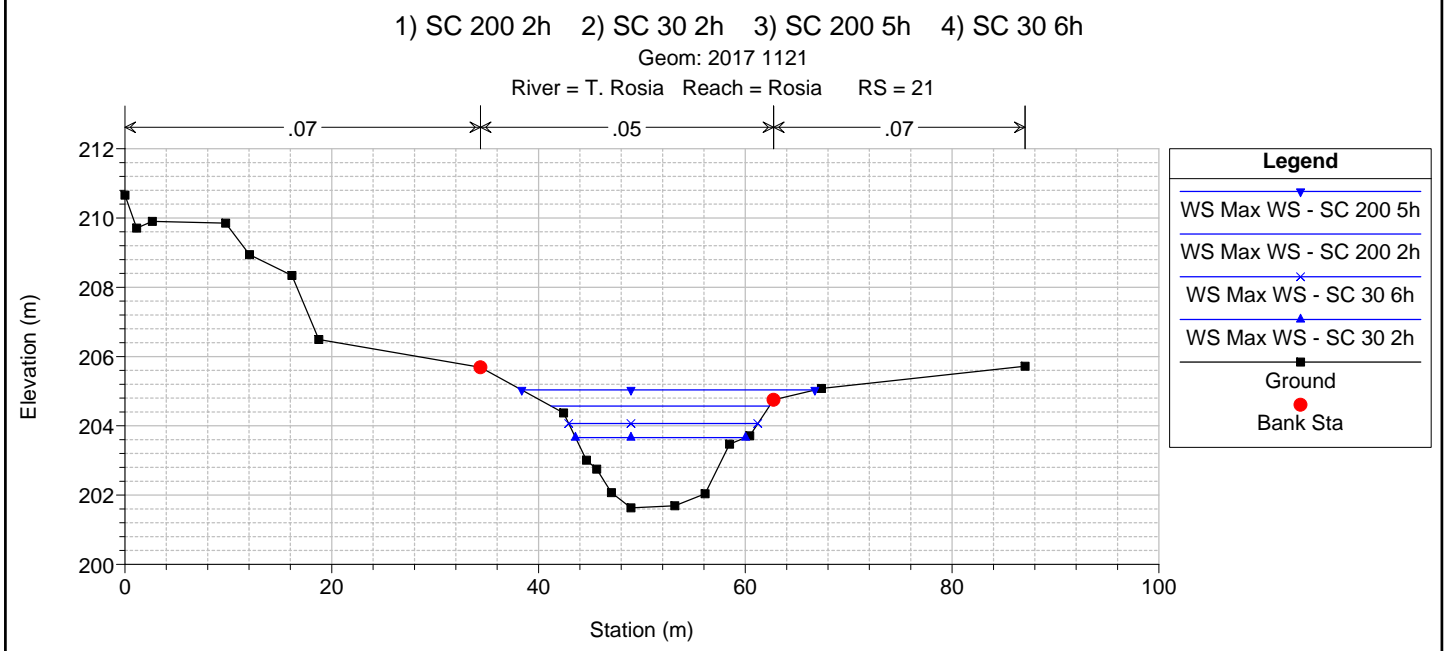
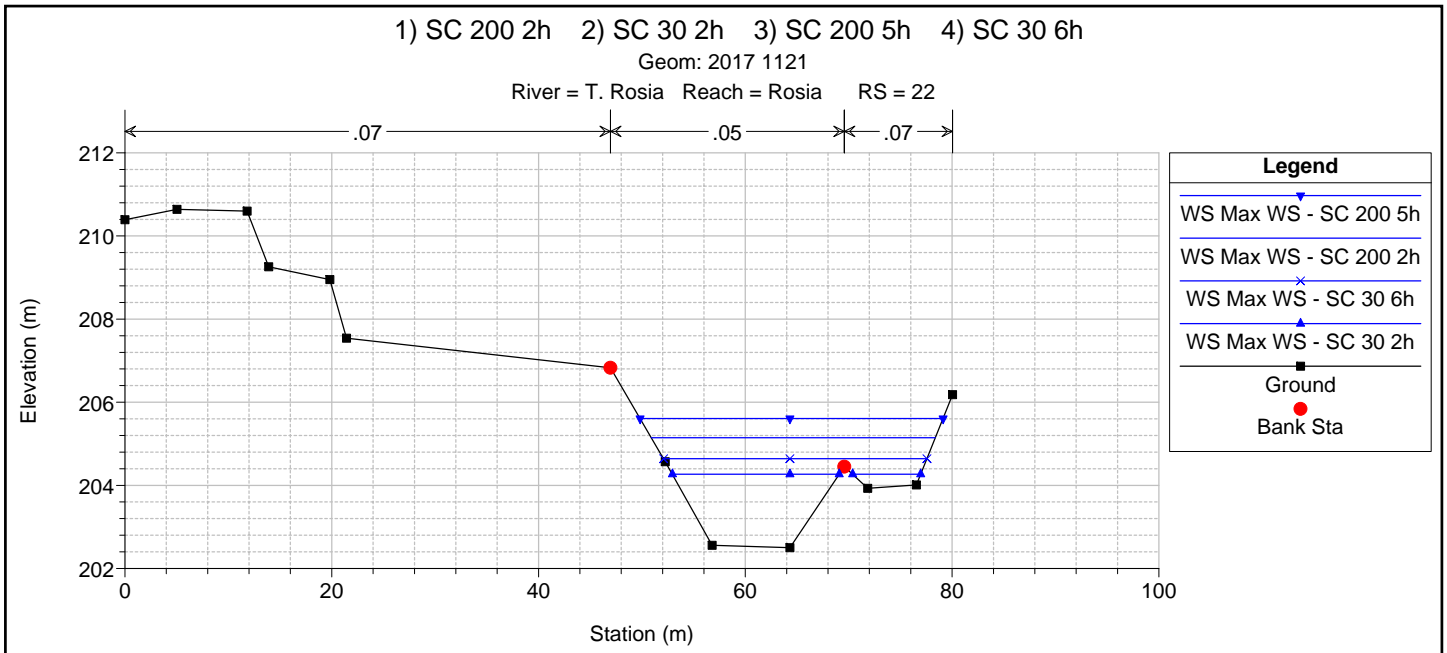


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = T. Rosia Reach = Rosia RS = 23

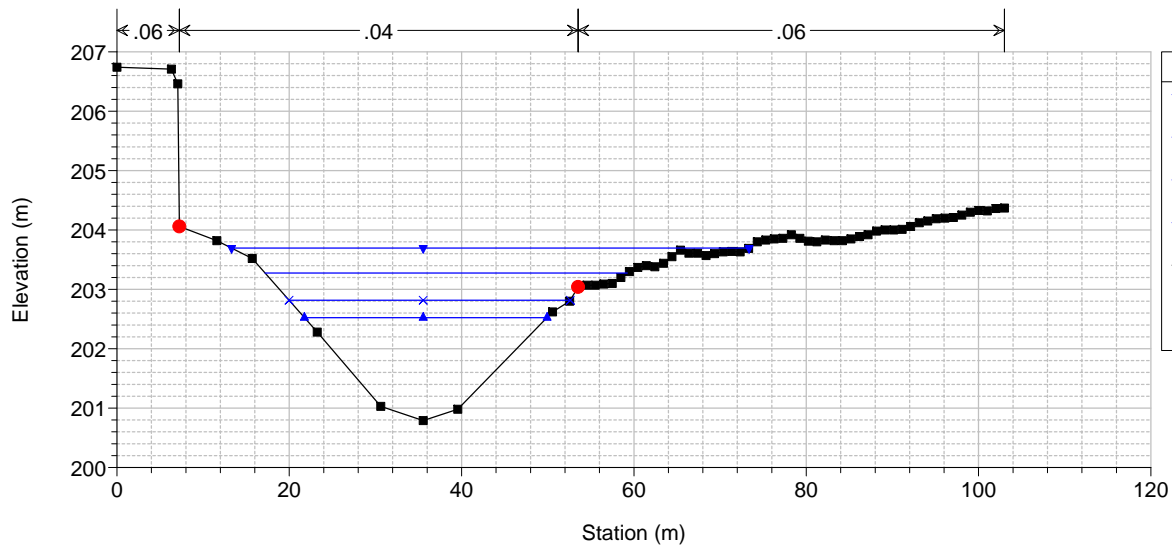




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

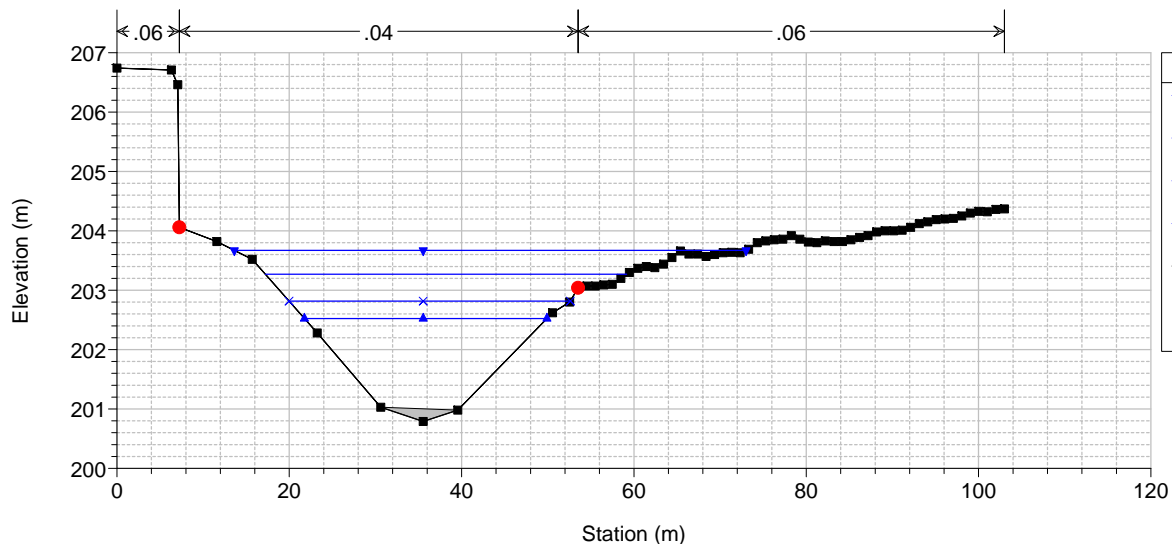
River = T. Rosia Reach = Rosia RS = 19



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

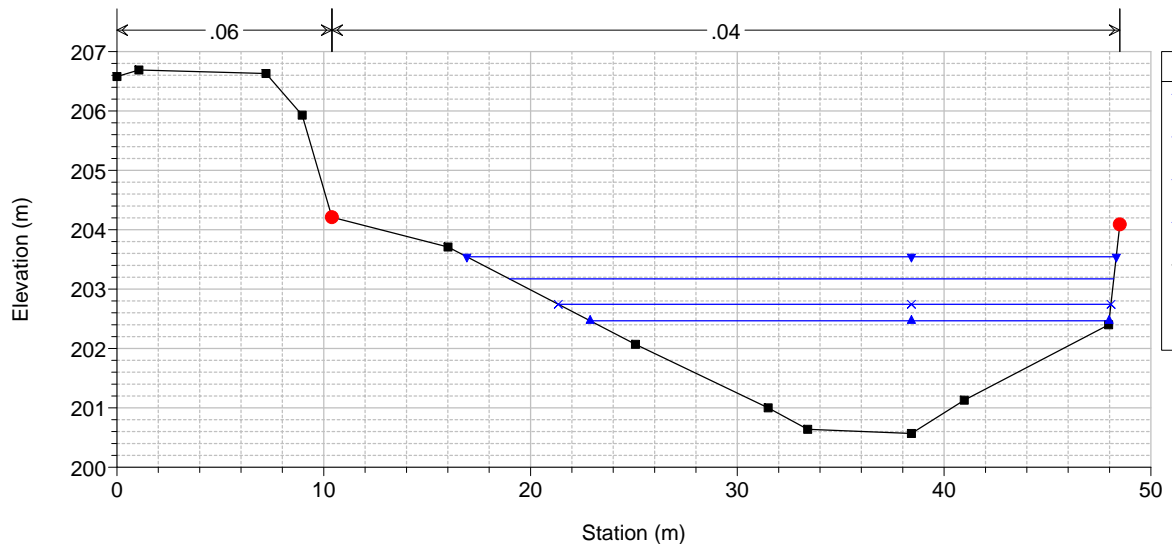
River = T. Rosia Reach = Rosia RS = 18.5 IS



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

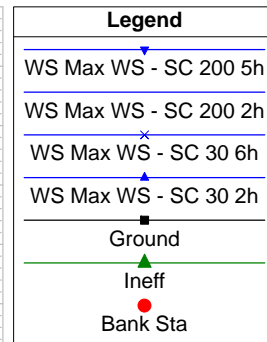
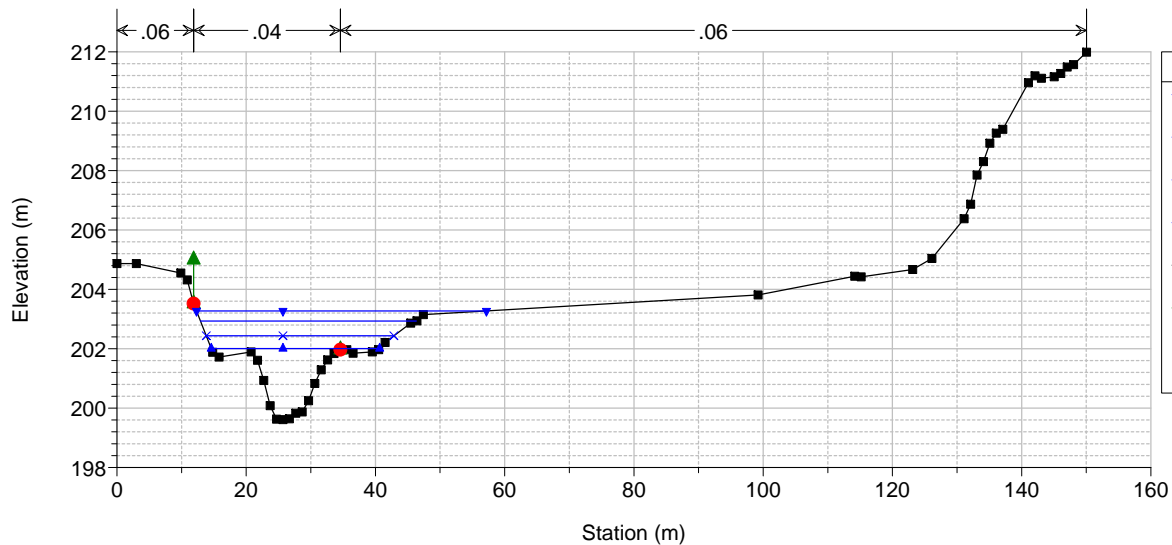
River = T. Rosia Reach = Rosia RS = 18



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

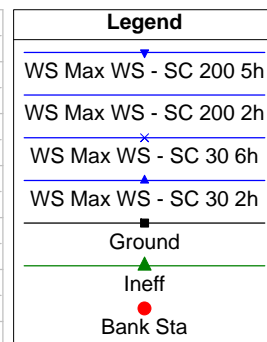
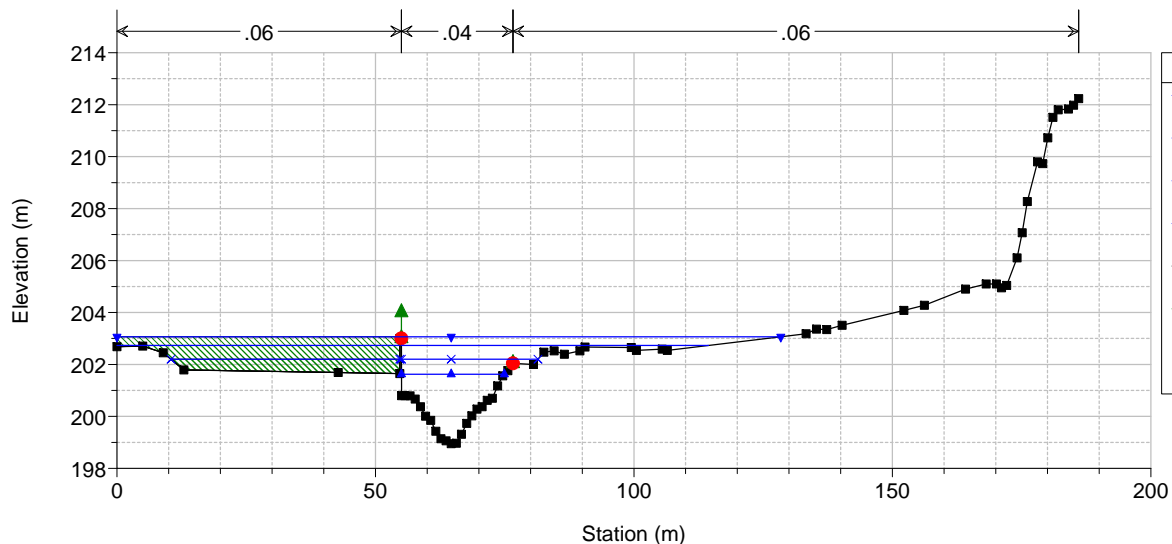
River = T. Rosia Reach = Rosia RS = 17.6



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

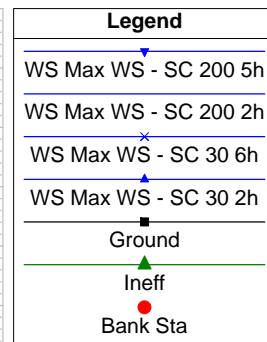
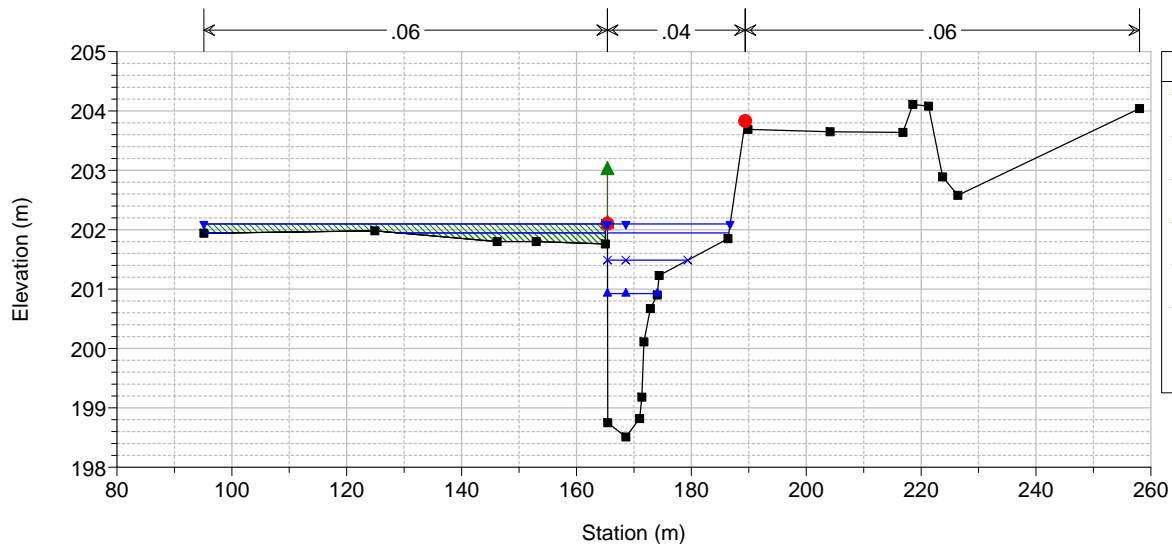
River = T. Rosia Reach = Rosia RS = 17.5

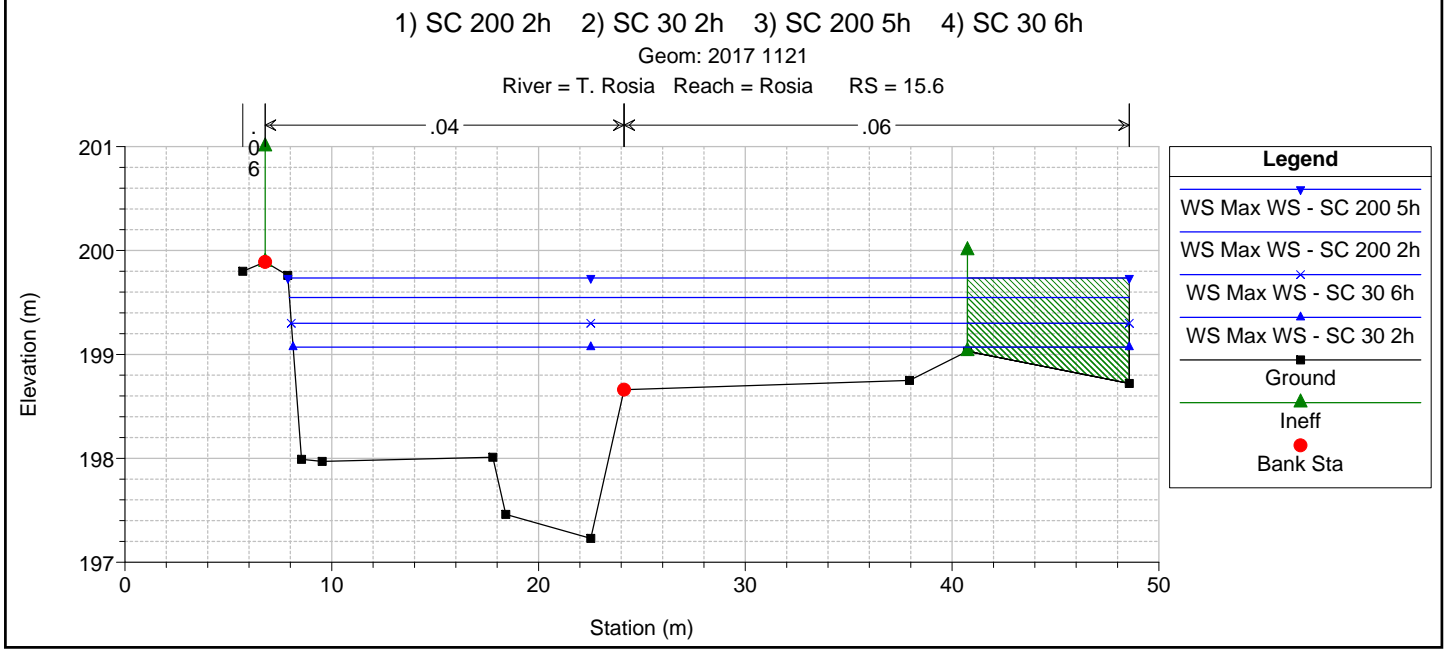
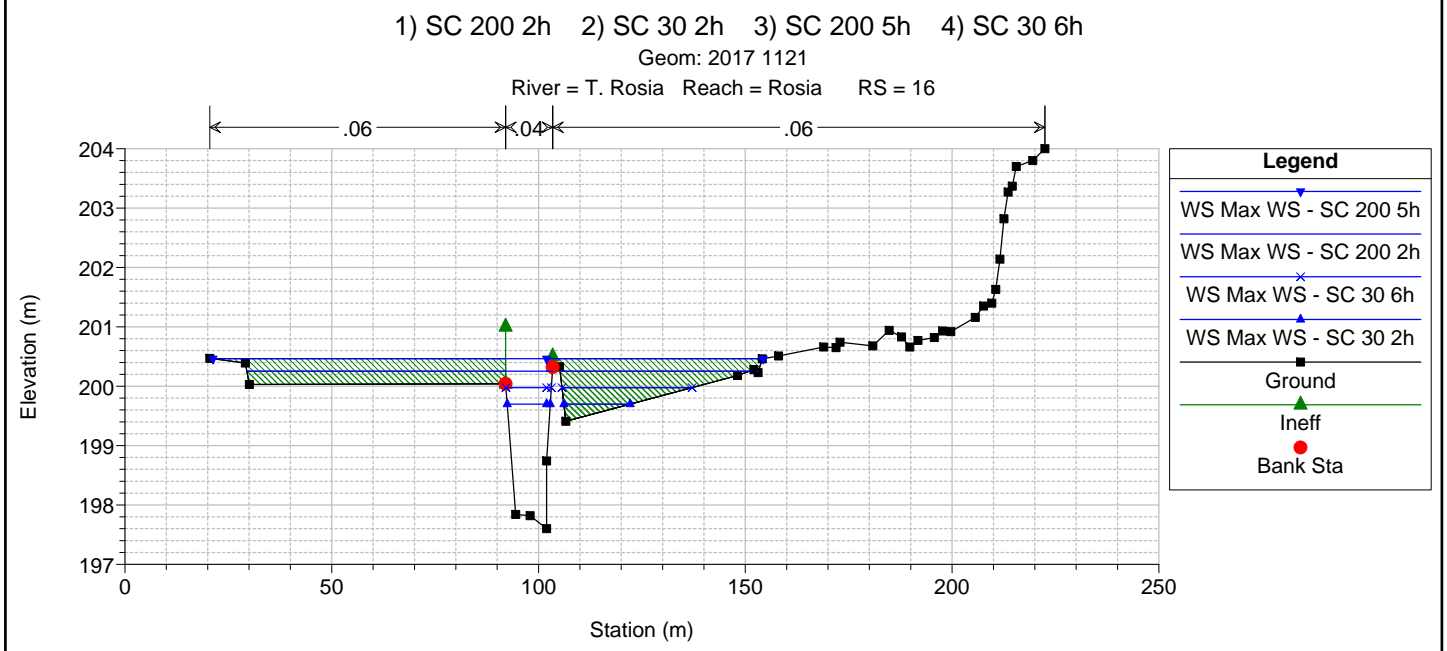
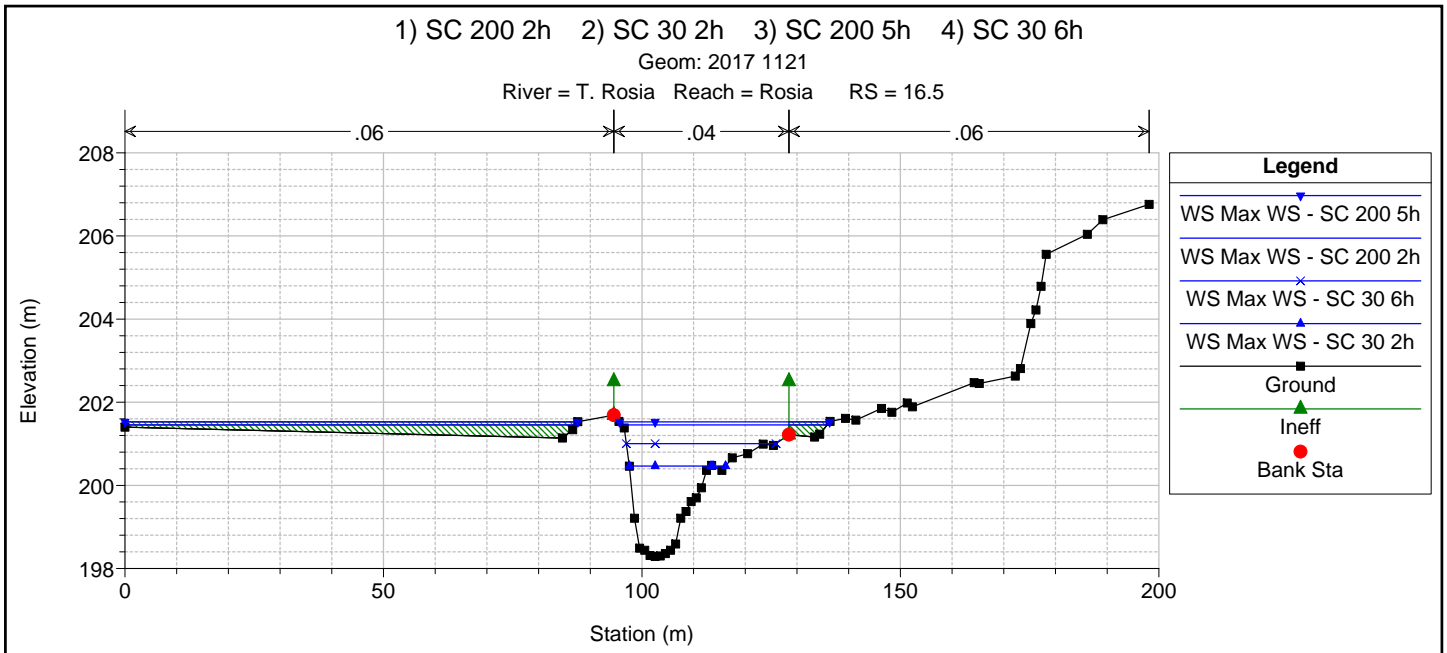


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = T. Rosia Reach = Rosia RS = 17

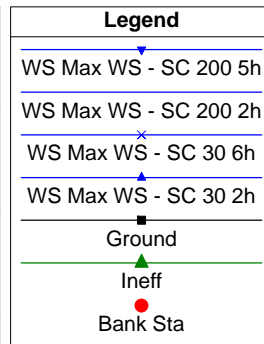
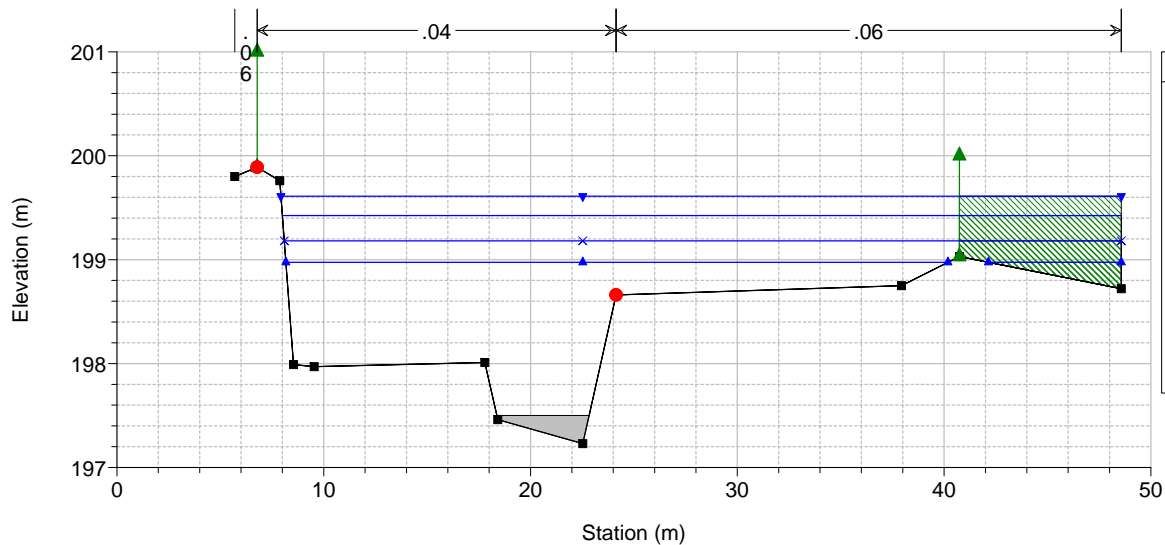




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

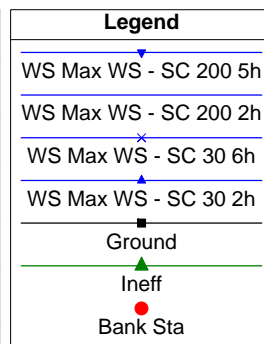
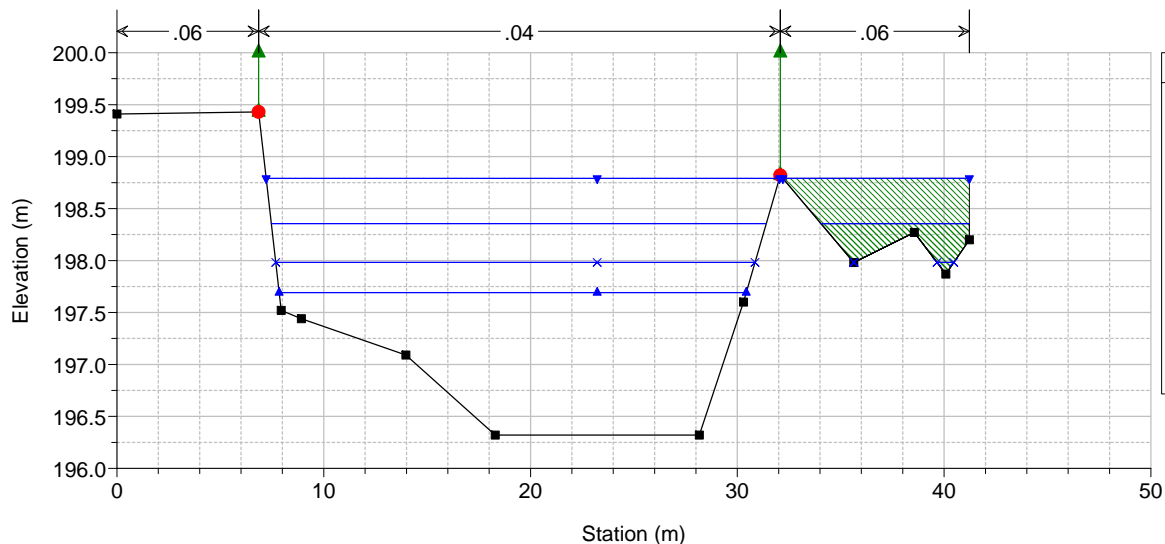
River = T. Rosia Reach = Rosia RS = 15.5 IS



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

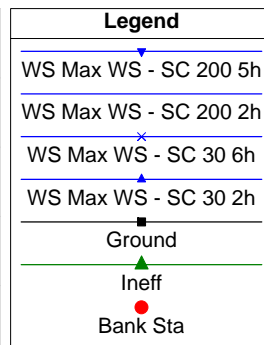
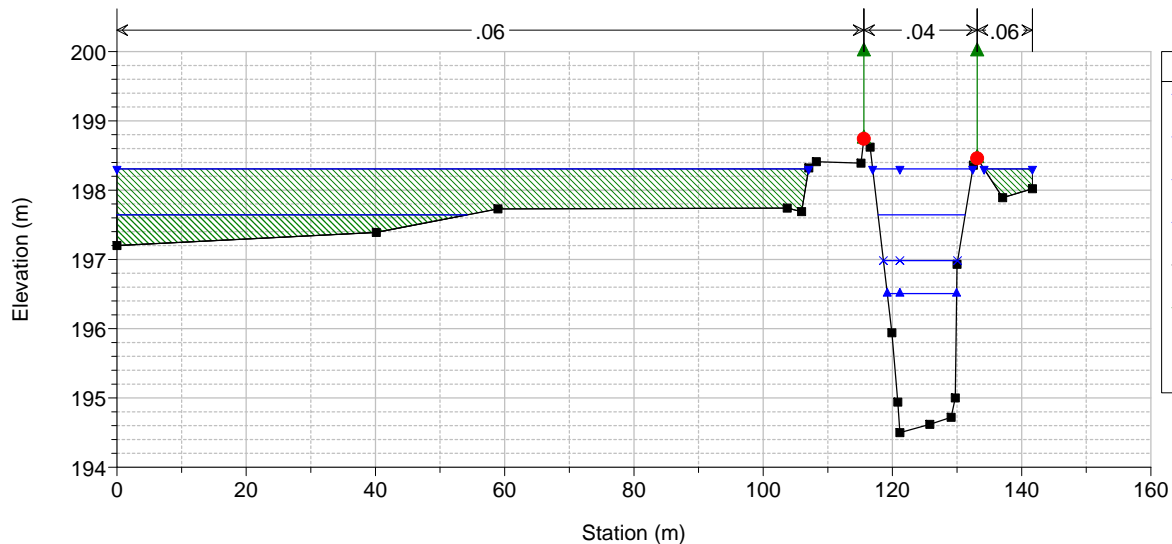
River = T. Rosia Reach = Rosia RS = 15.4



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

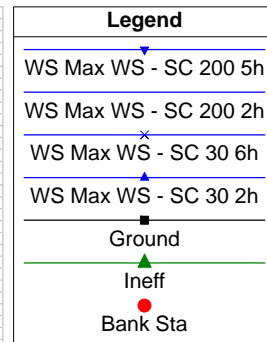
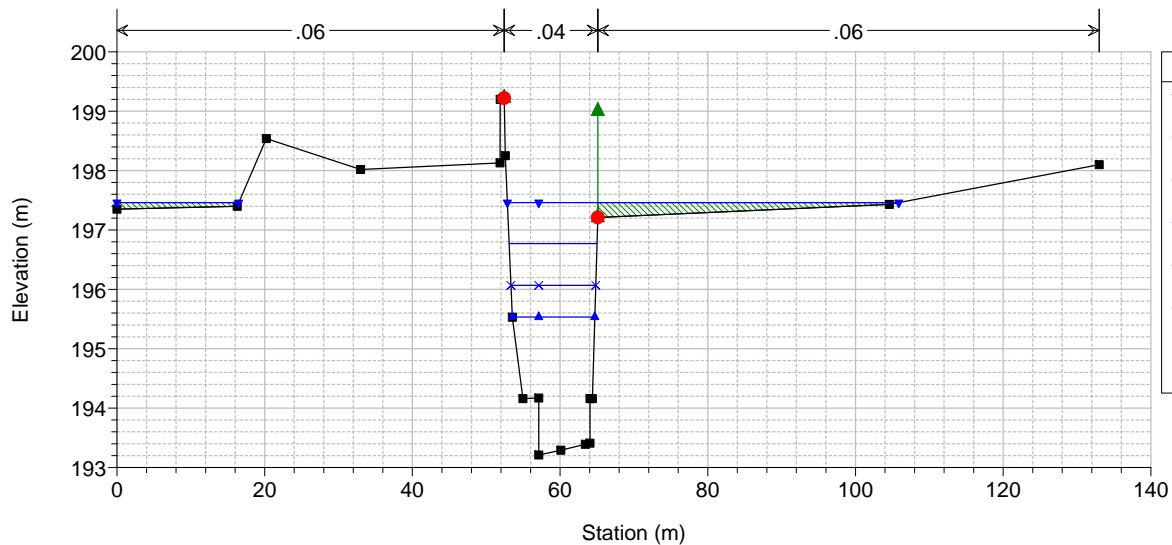
River = T. Rosia Reach = Rosia RS = 15



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

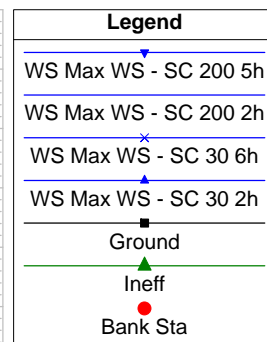
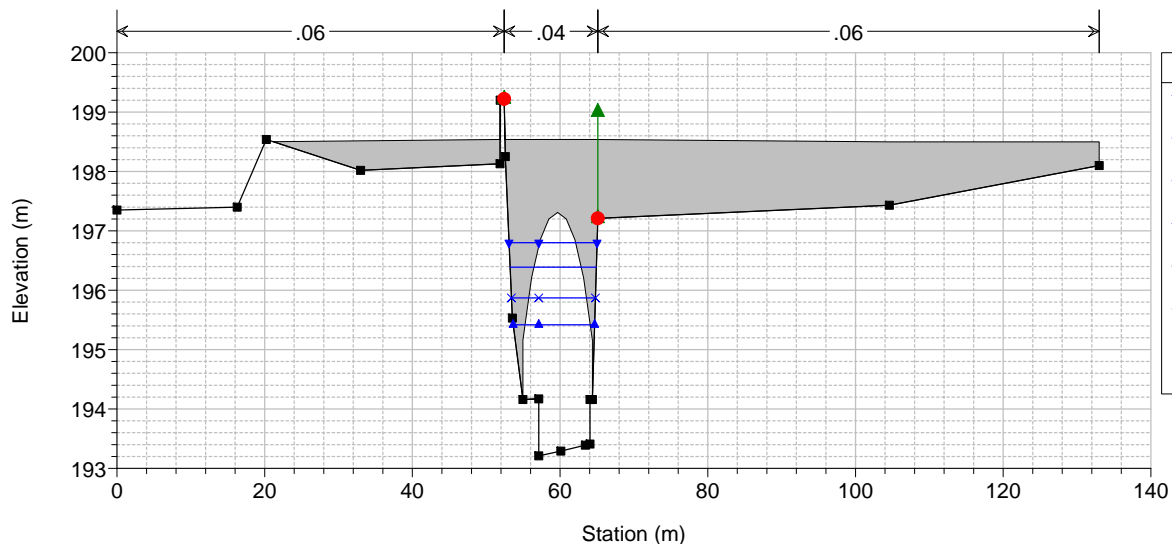
River = T. Rosia Reach = Rosia RS = 14



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

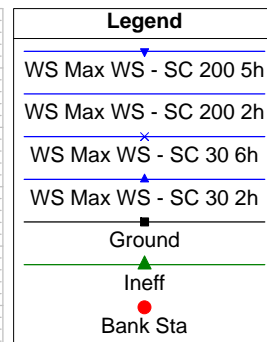
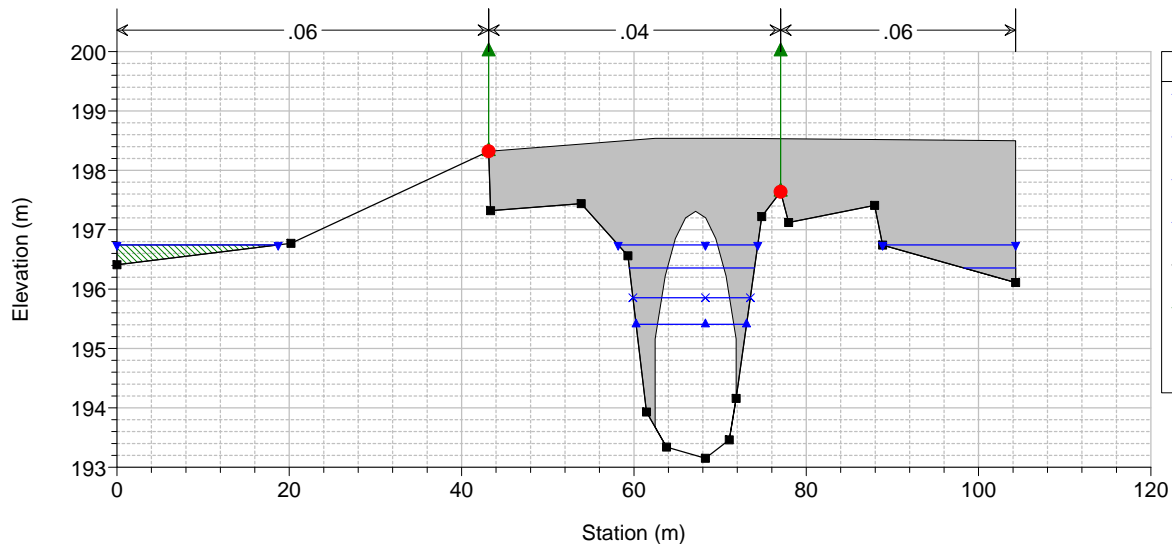
River = T. Rosia Reach = Rosia RS = 13.5 BR

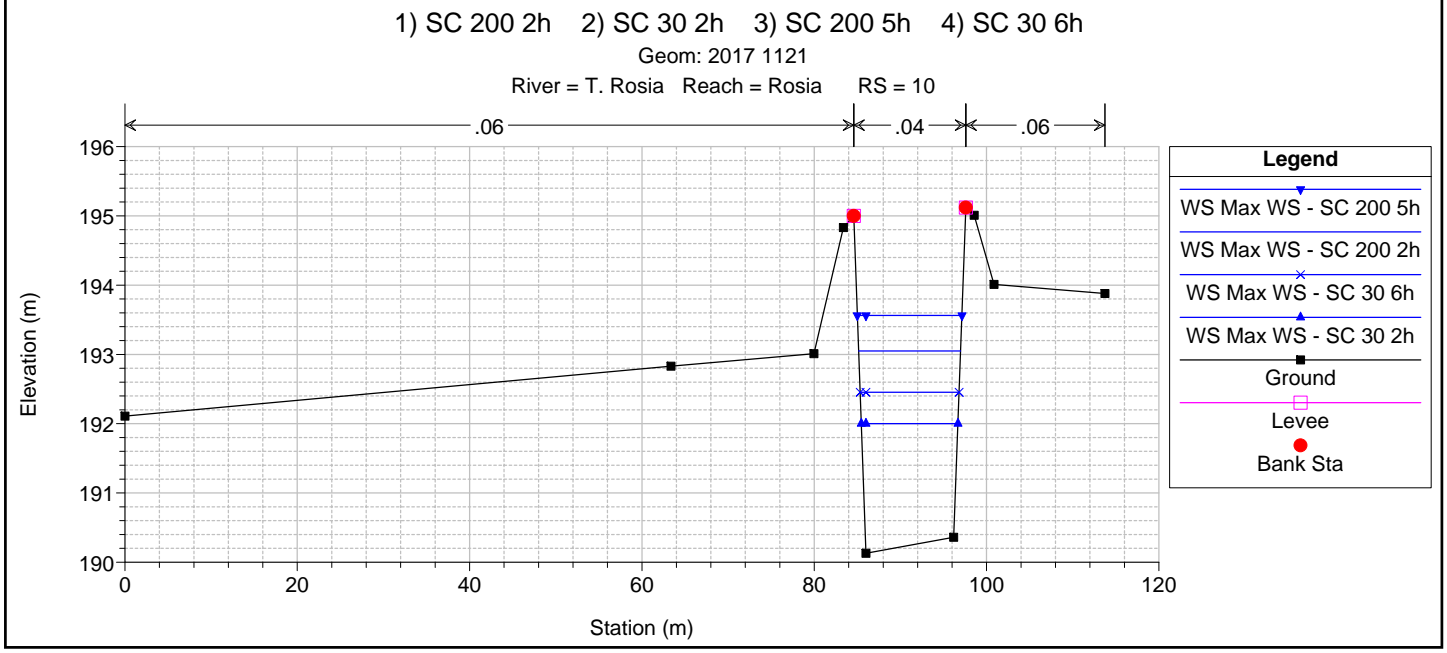
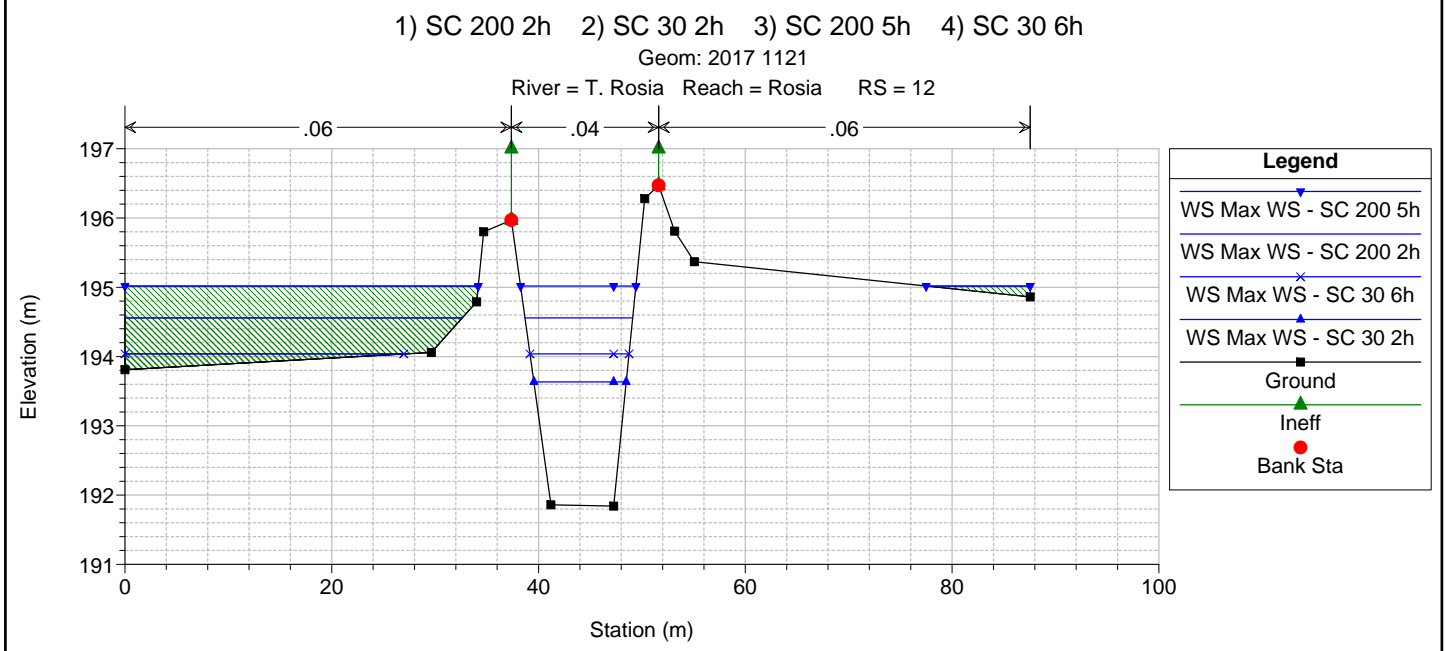
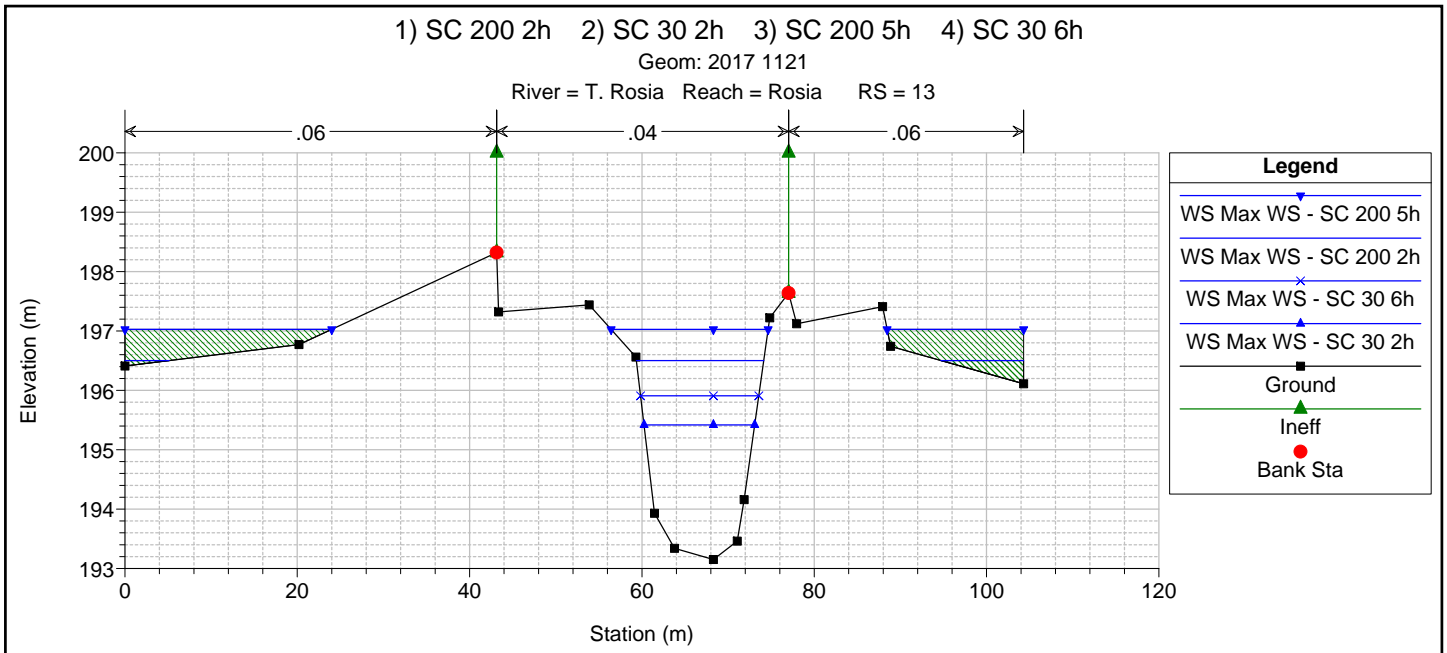


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = T. Rosia Reach = Rosia RS = 13.5 BR

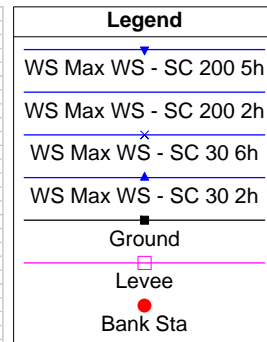
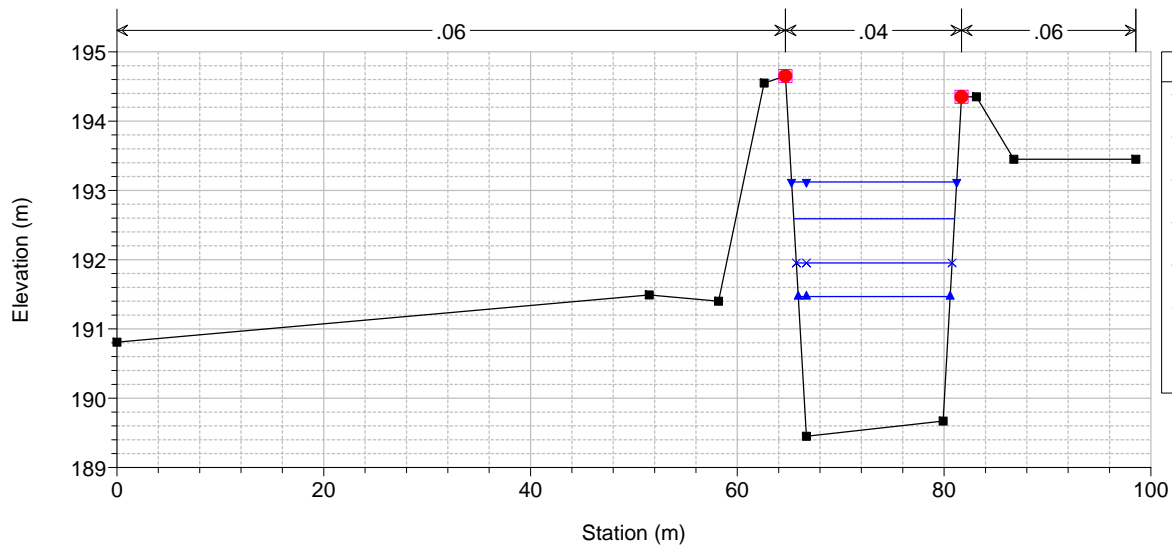




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

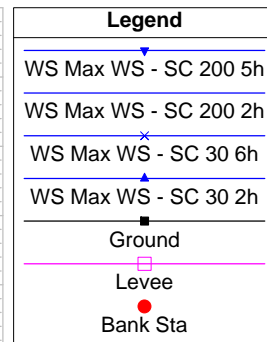
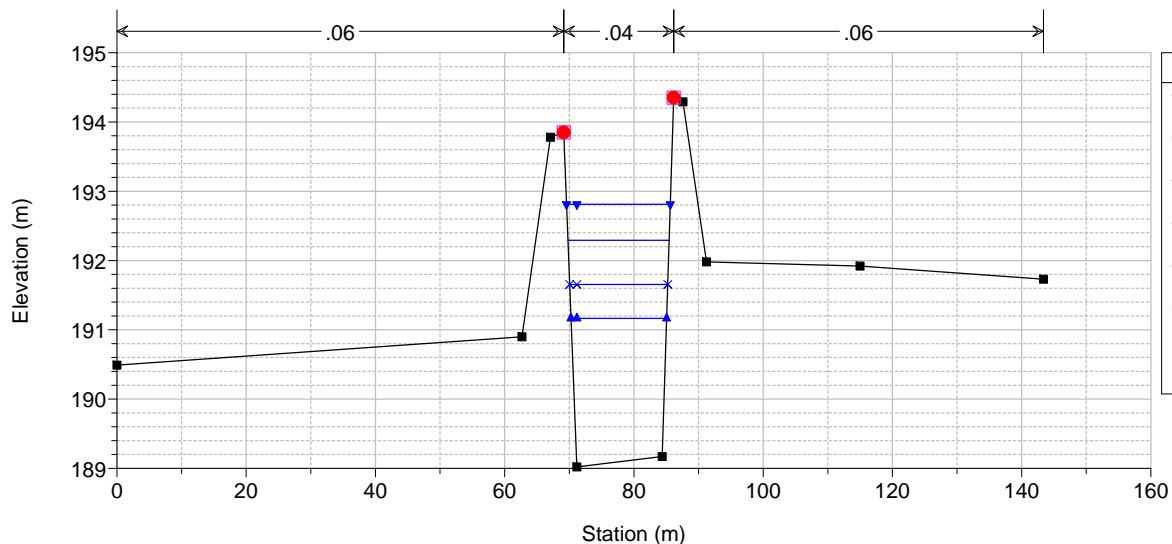
River = T. Rosia Reach = Rosia RS = 9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

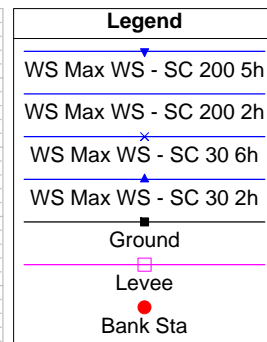
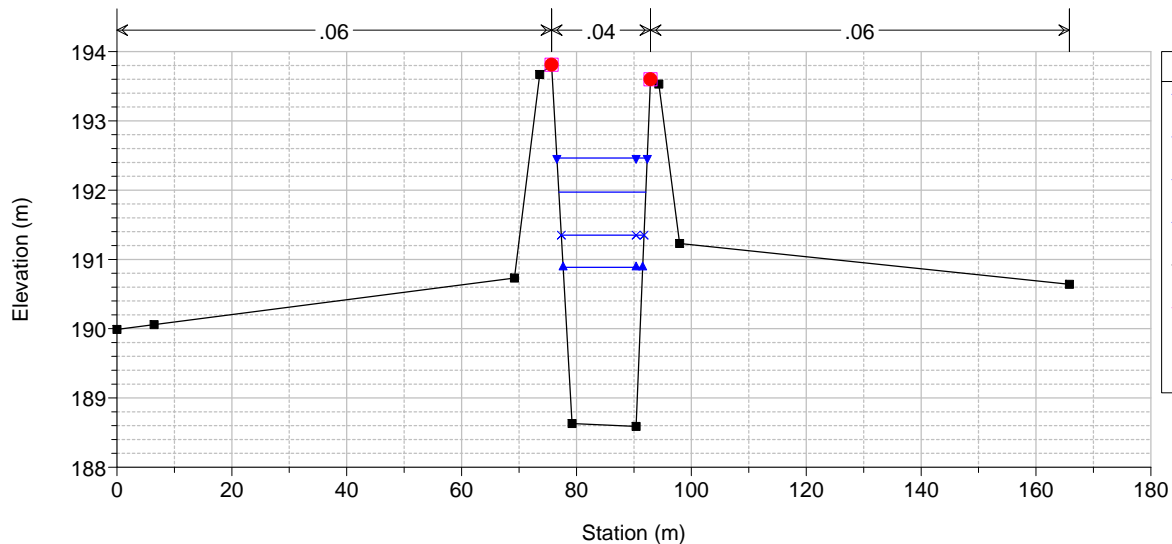
River = T. Rosia Reach = Rosia RS = 8



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

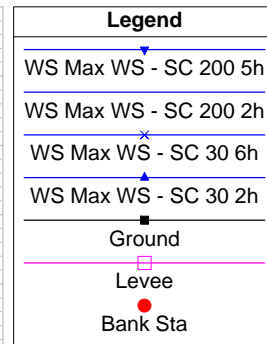
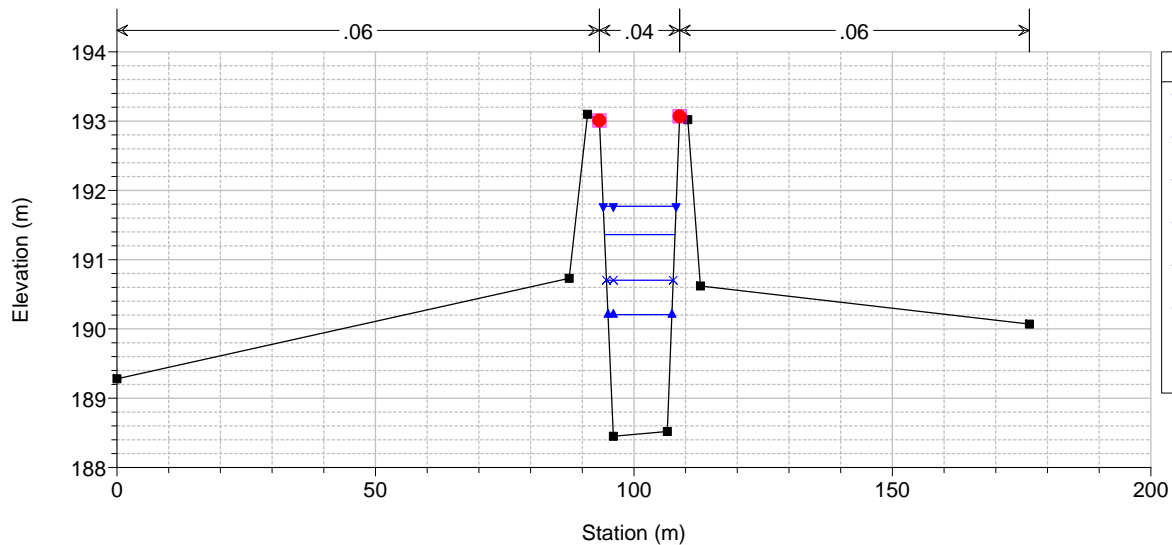
River = T. Rosia Reach = Rosia RS = 7



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

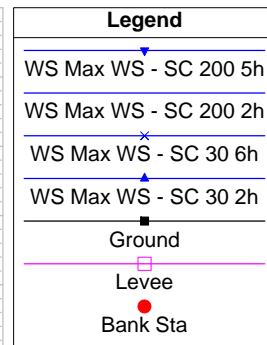
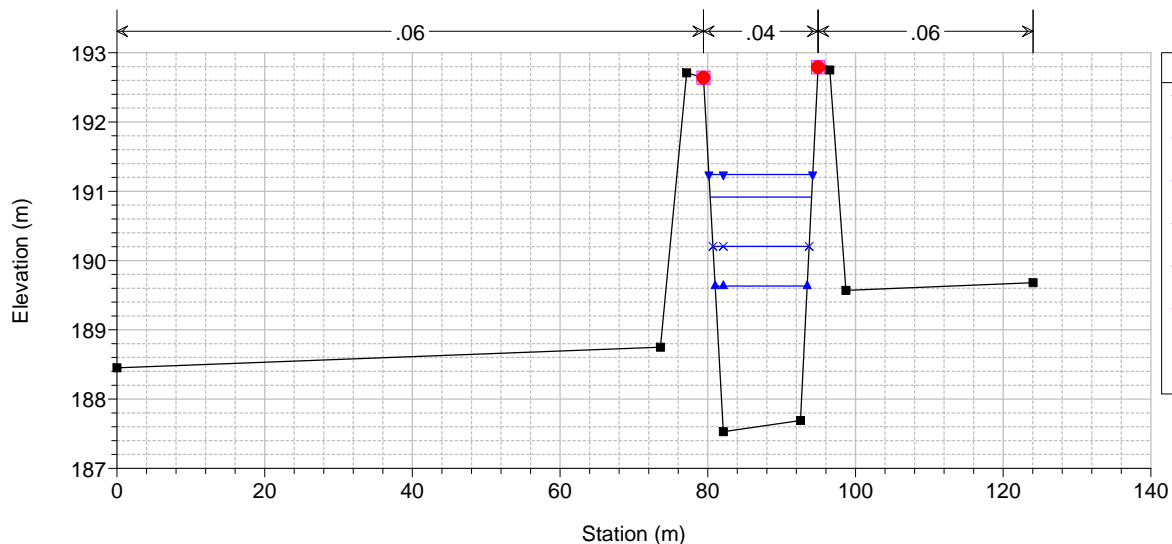
River = T. Rosia Reach = Rosia RS = 6



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

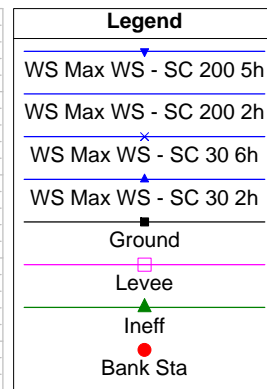
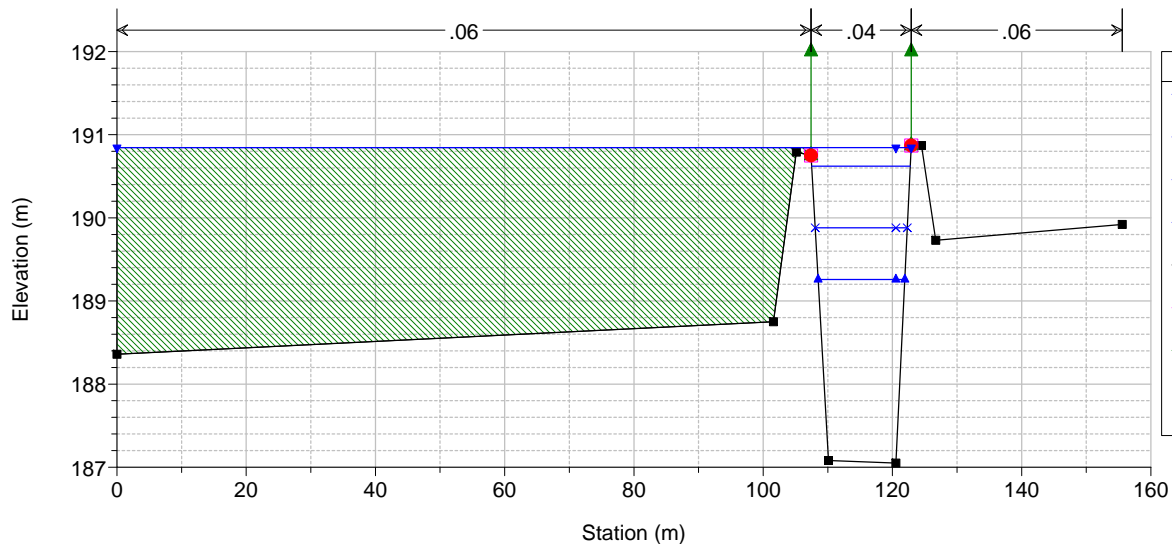
River = T. Rosia Reach = Rosia RS = 5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

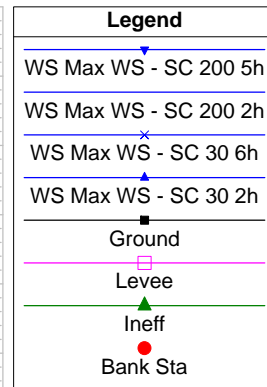
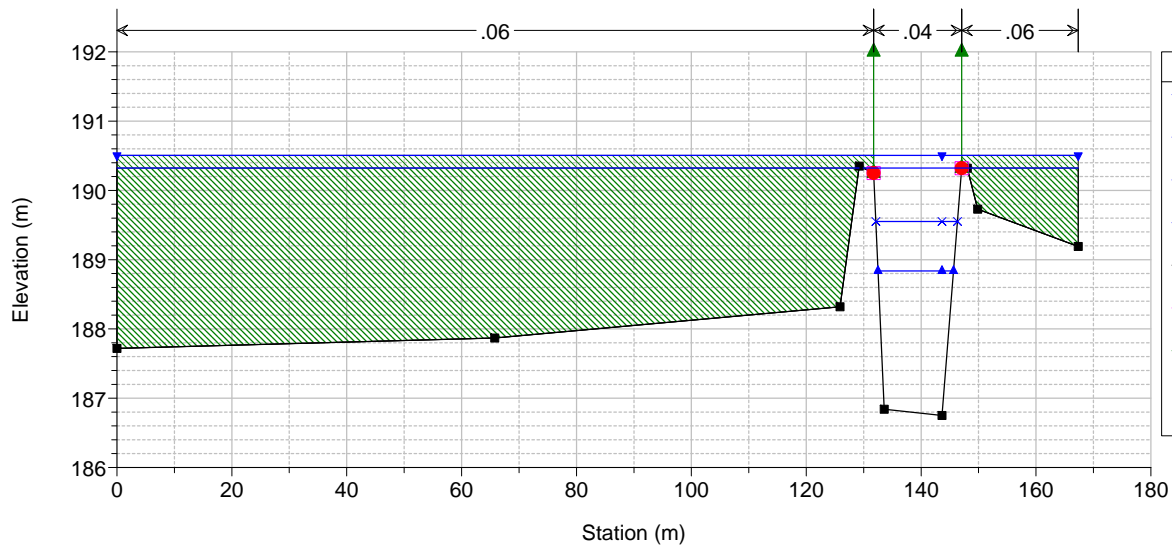
River = T. Rosia Reach = Rosia RS = 4



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

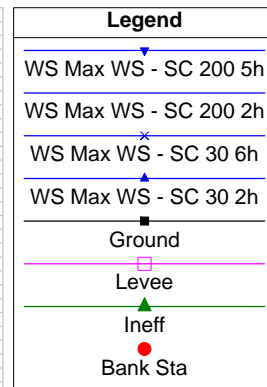
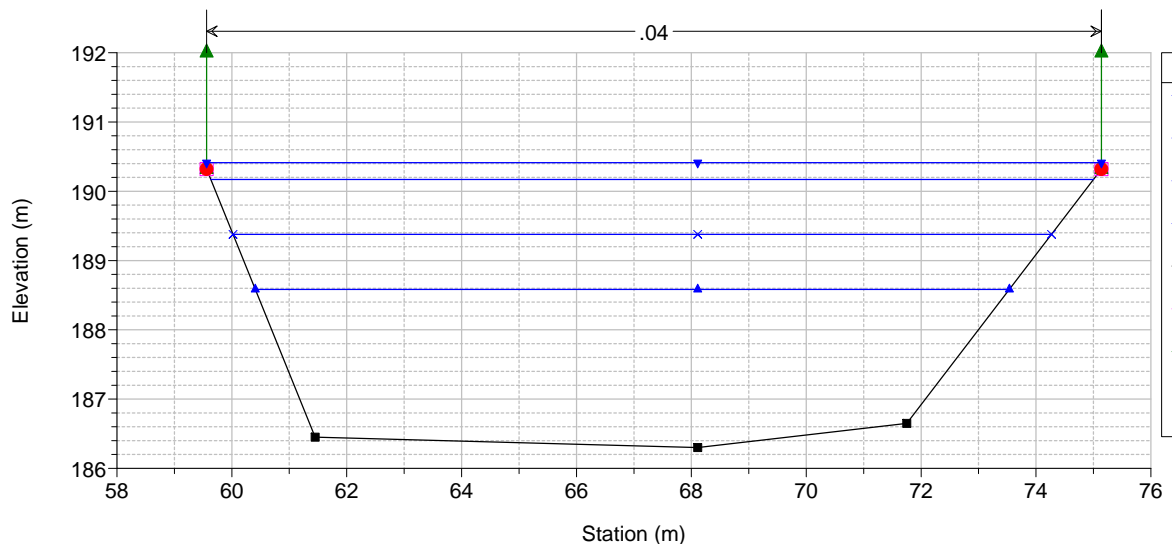
River = T. Rosia Reach = Rosia RS = 3



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

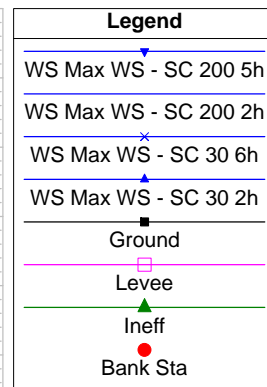
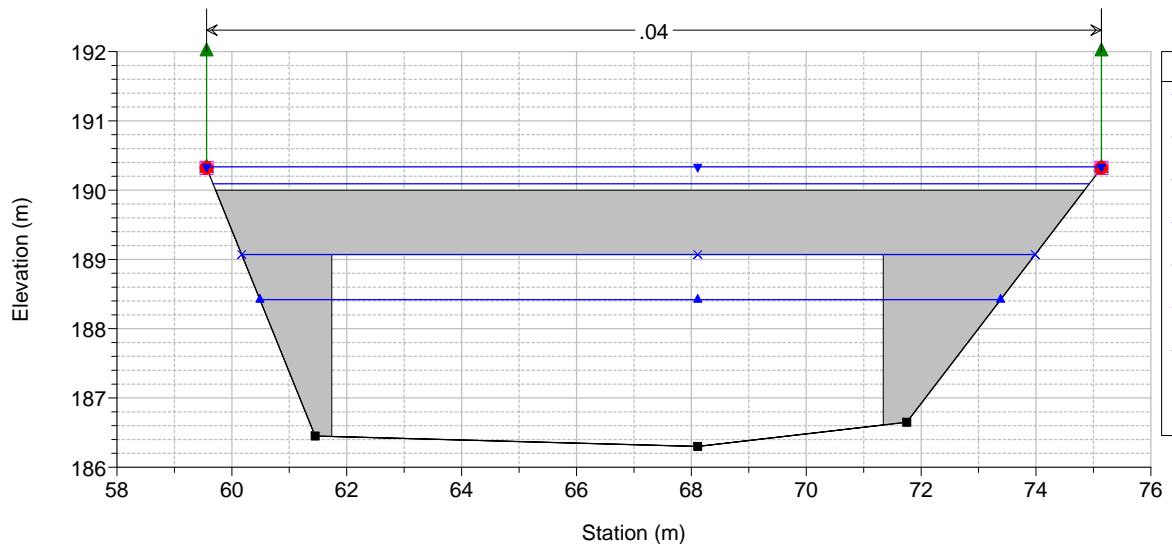
River = T. Rosia Reach = Rosia RS = 2



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

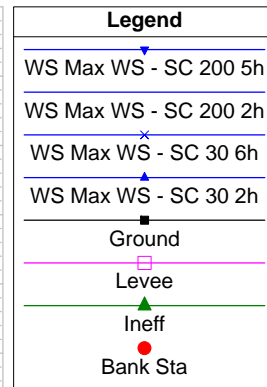
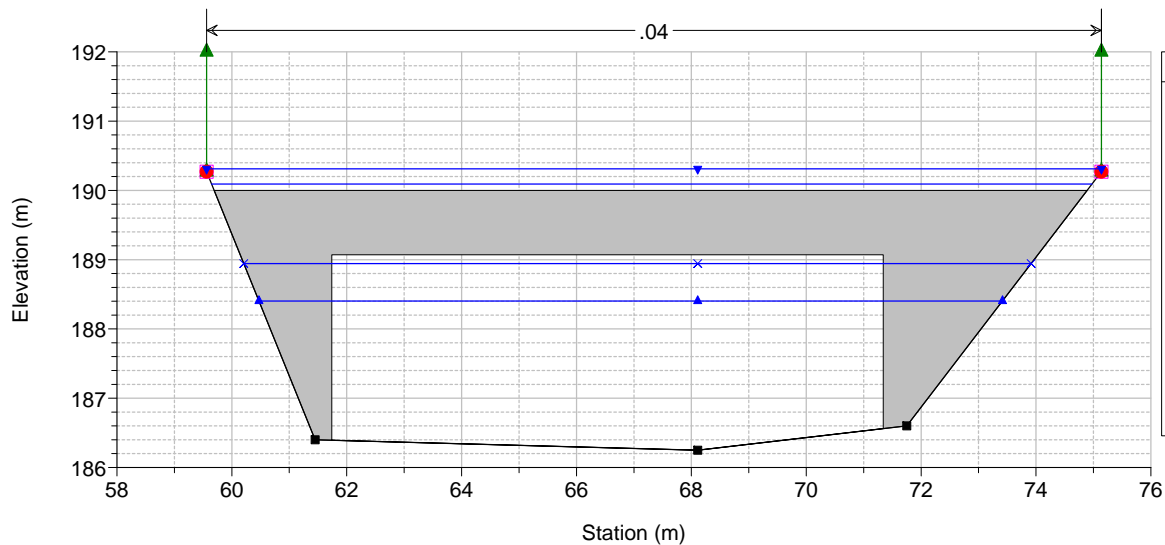
River = T. Rosia Reach = Rosia RS = 1.8 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

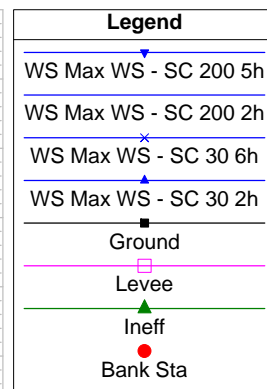
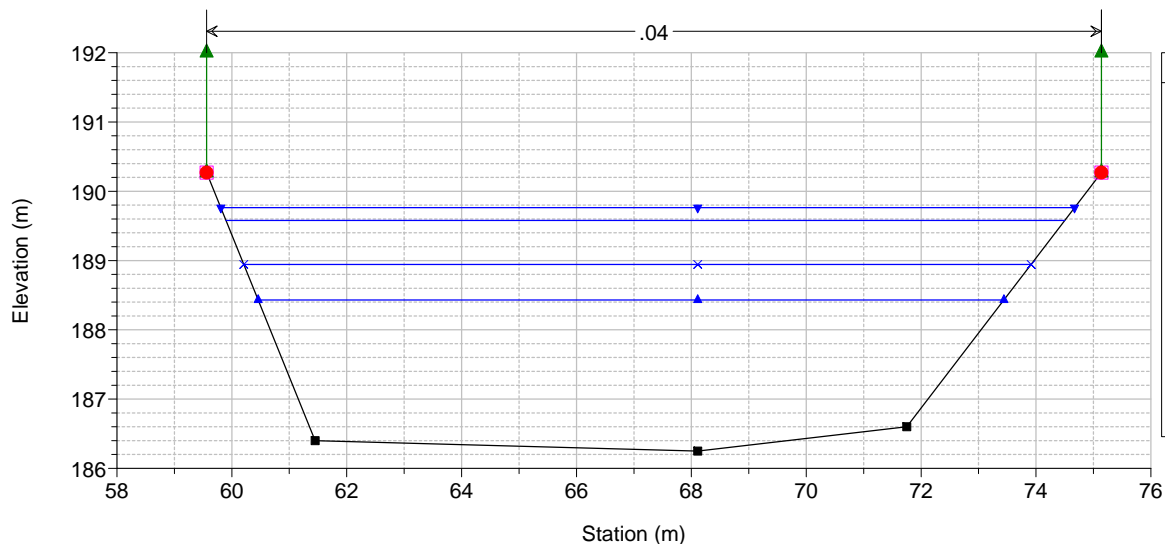
River = T. Rosia Reach = Rosia RS = 1.8 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

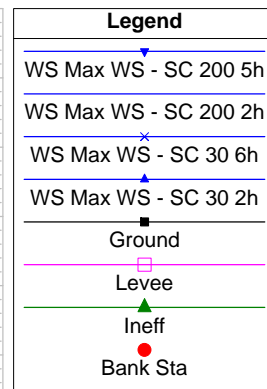
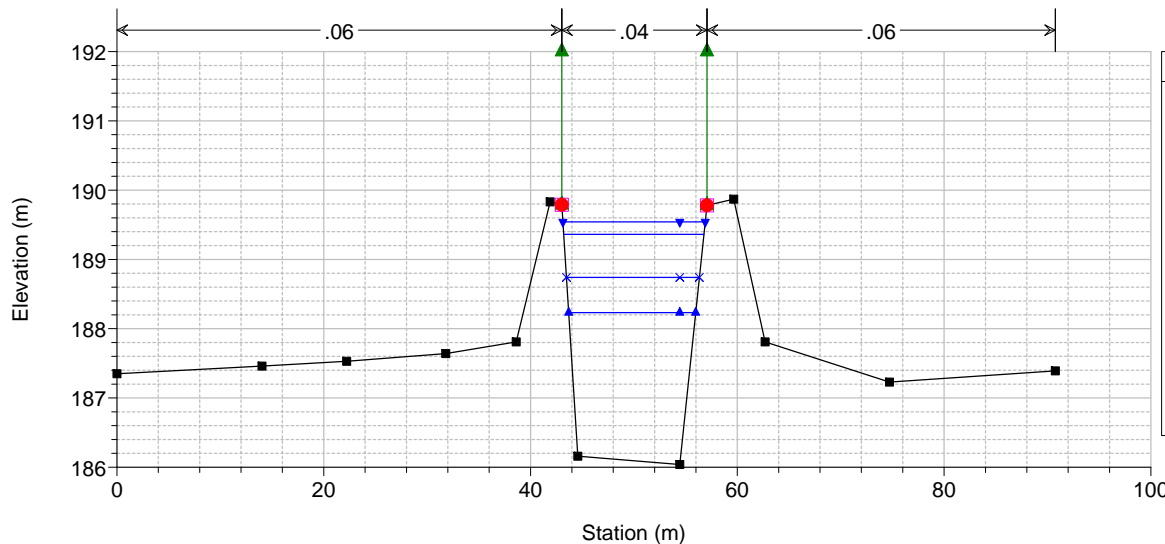
River = T. Rosia Reach = Rosia RS = 1.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

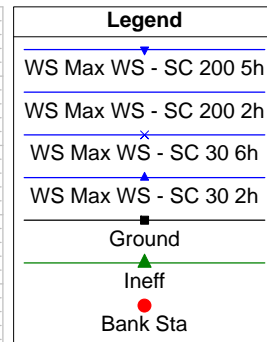
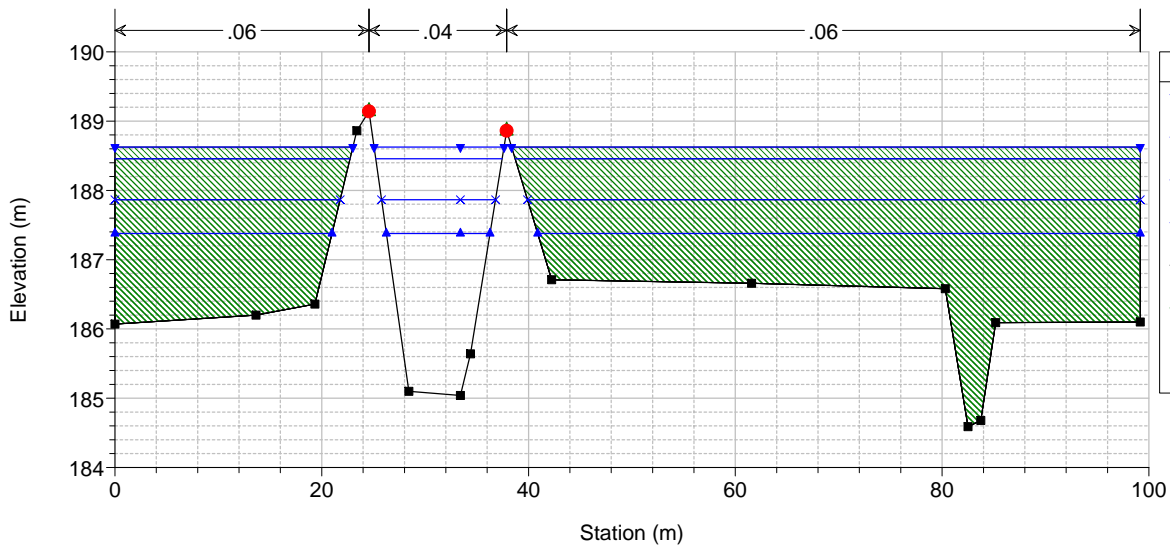
River = T. Rosia Reach = Rosia RS = 1



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

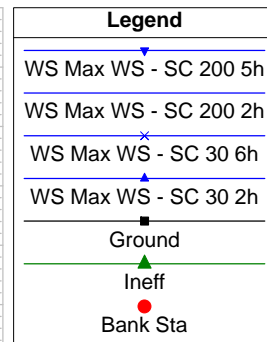
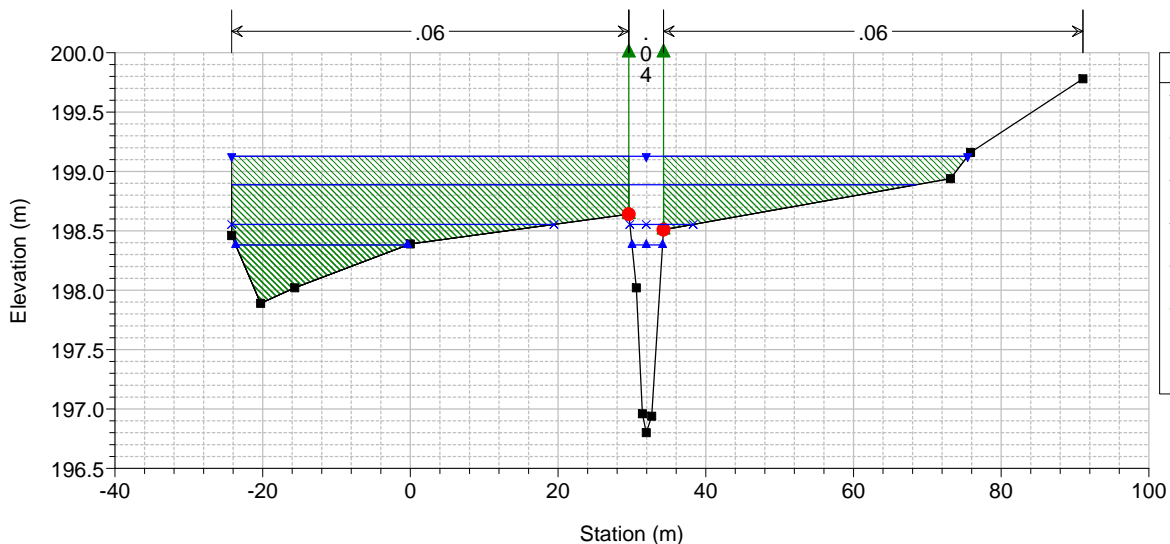
River = T. Rosia Reach = Rosia RS = 0.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

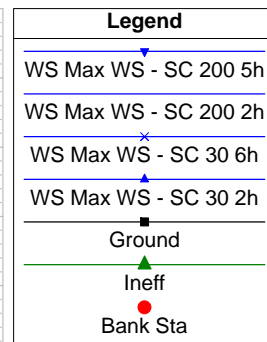
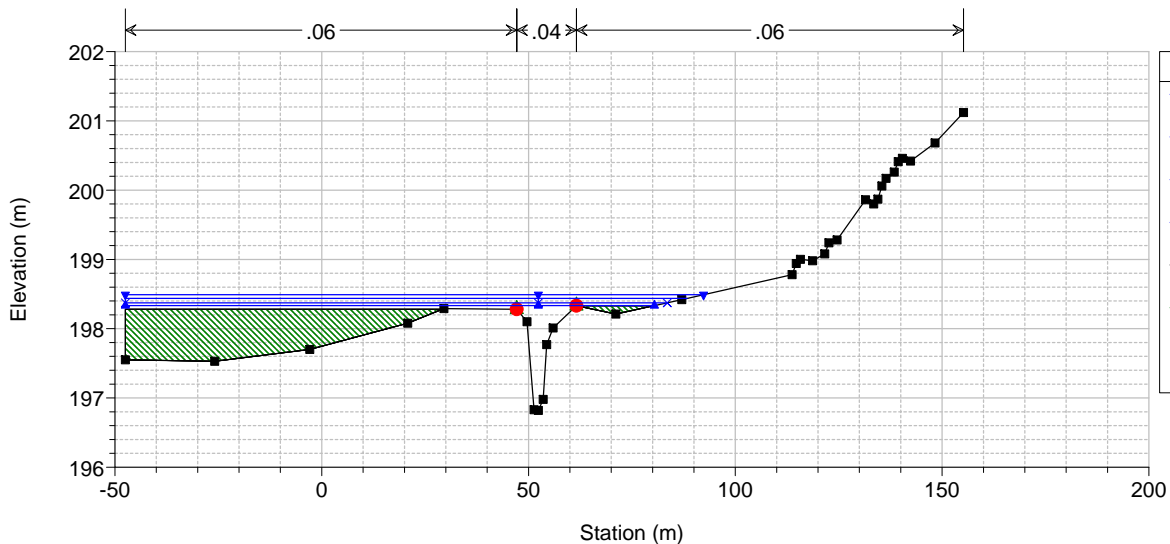
River = F.sso Mulinello Reach = Mulinello 1 RS = 15

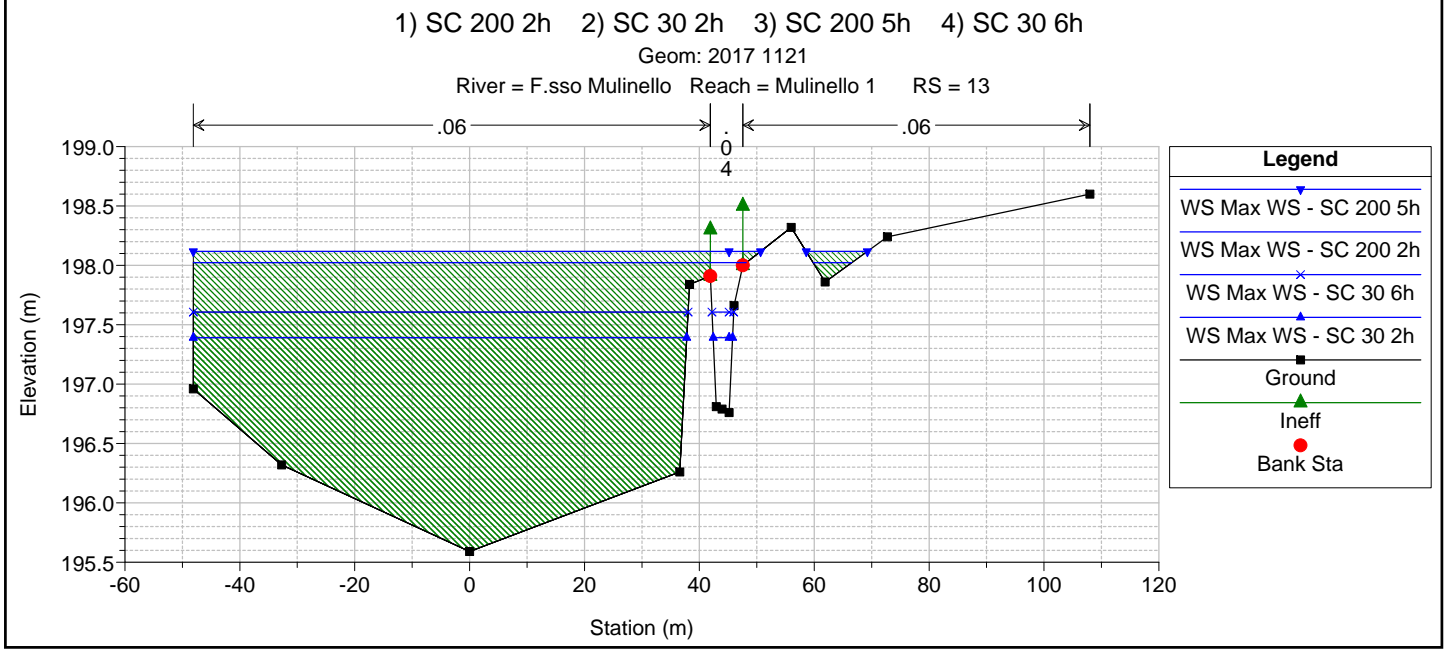
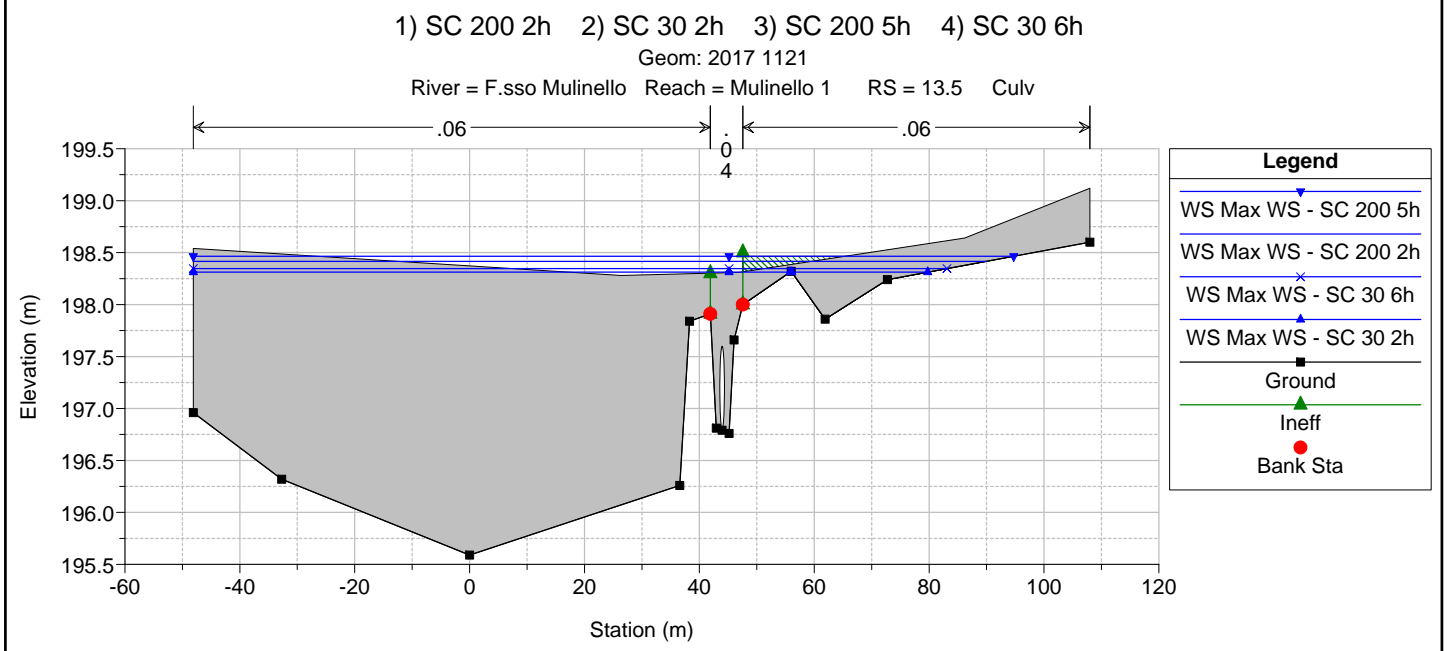
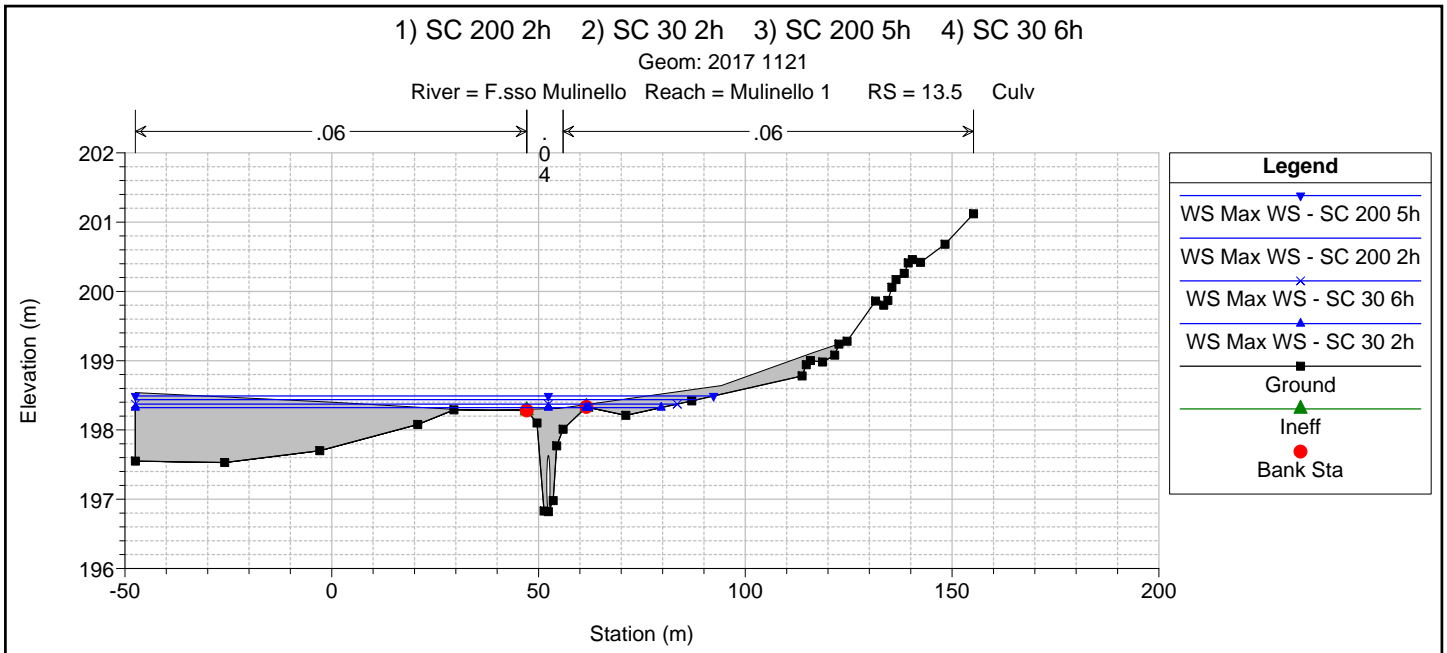


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F.sso Mulinello Reach = Mulinello 1 RS = 14

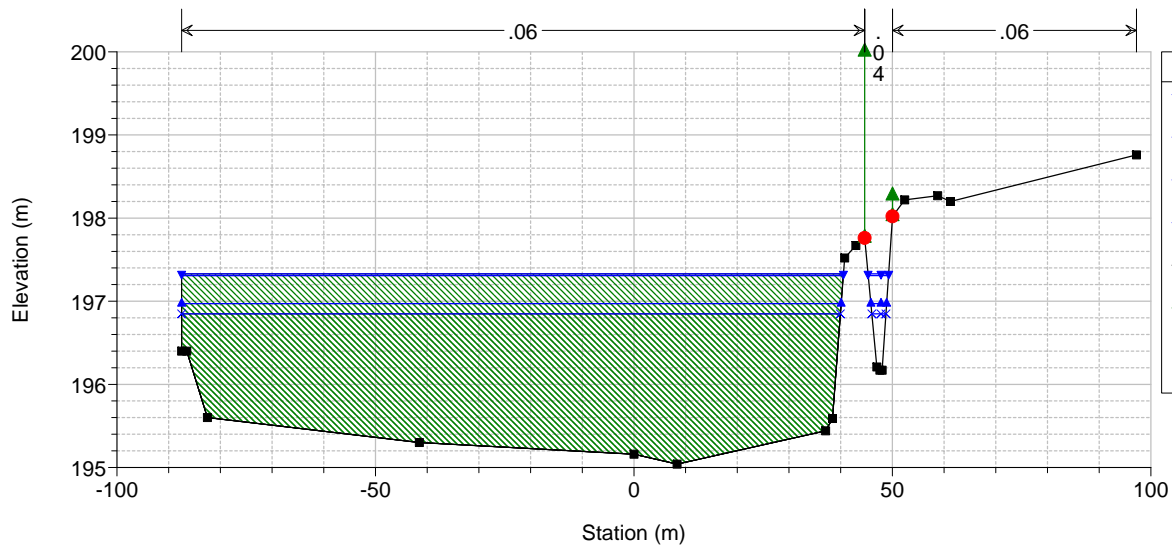




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

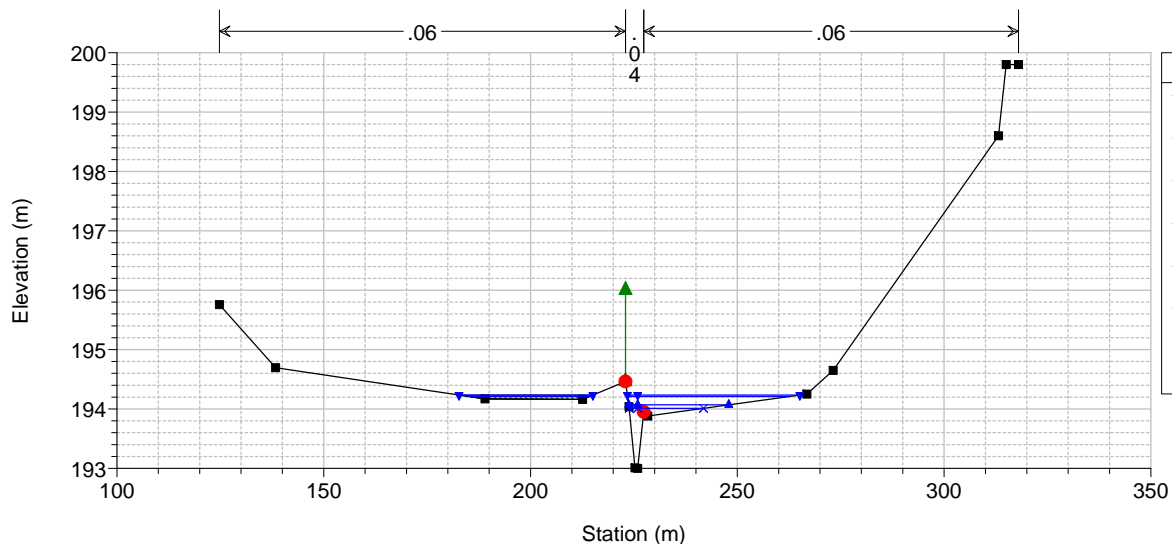
River = F.sso Mulinello Reach = Mulinello 1 RS = 12



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

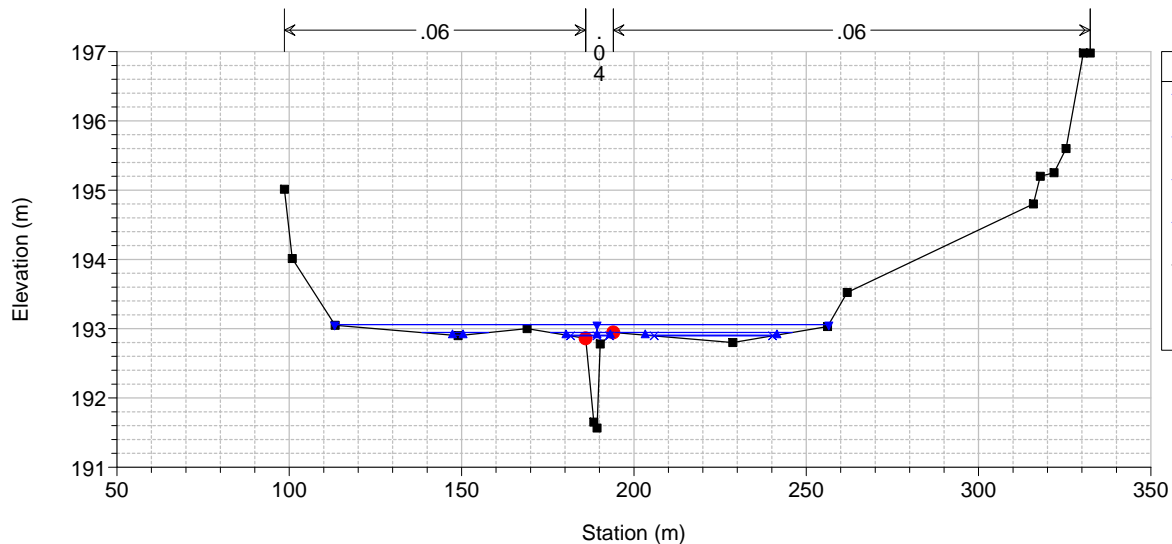
River = F.sso Mulinello Reach = Mulinello 1 RS = 11

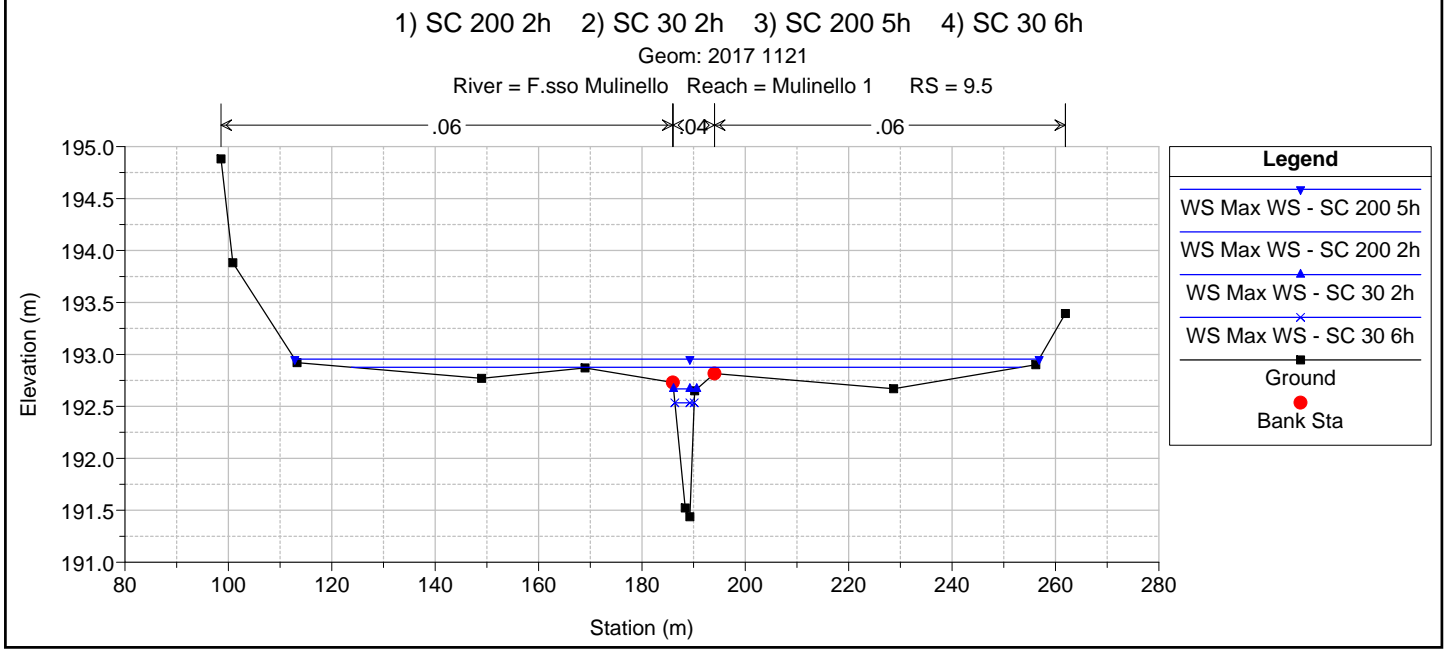
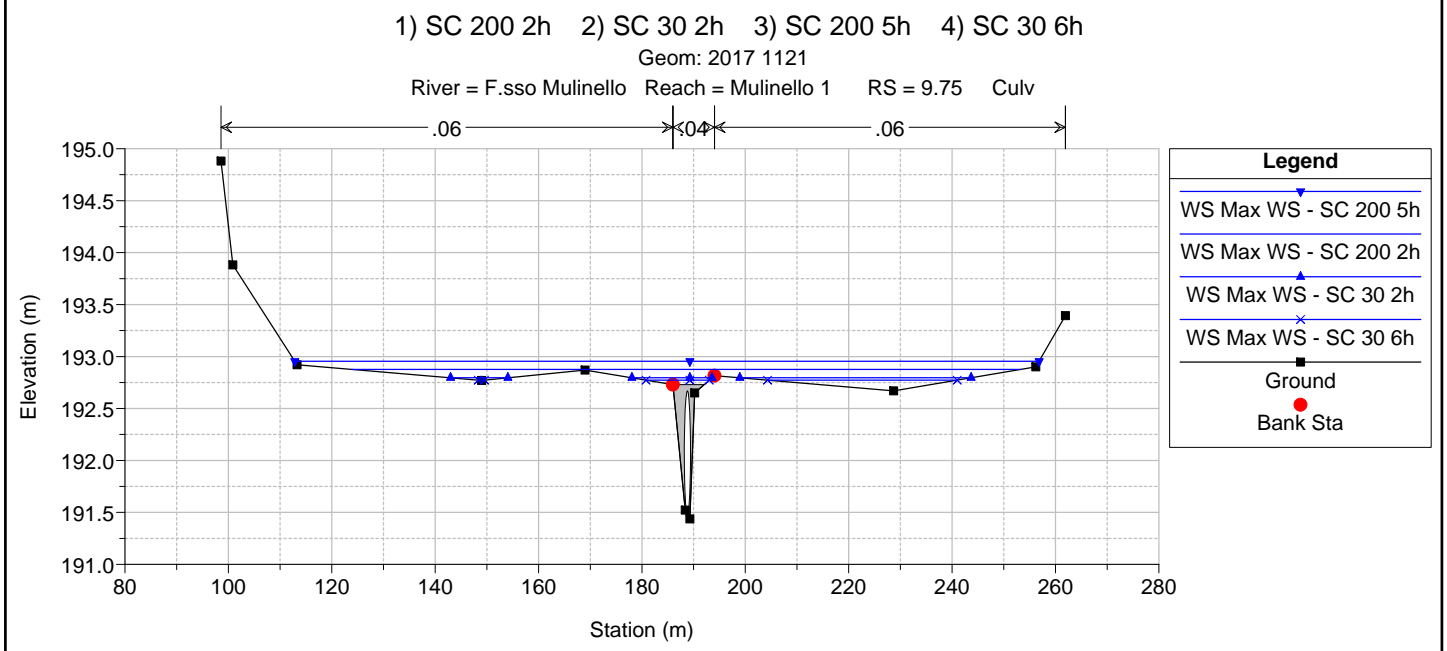
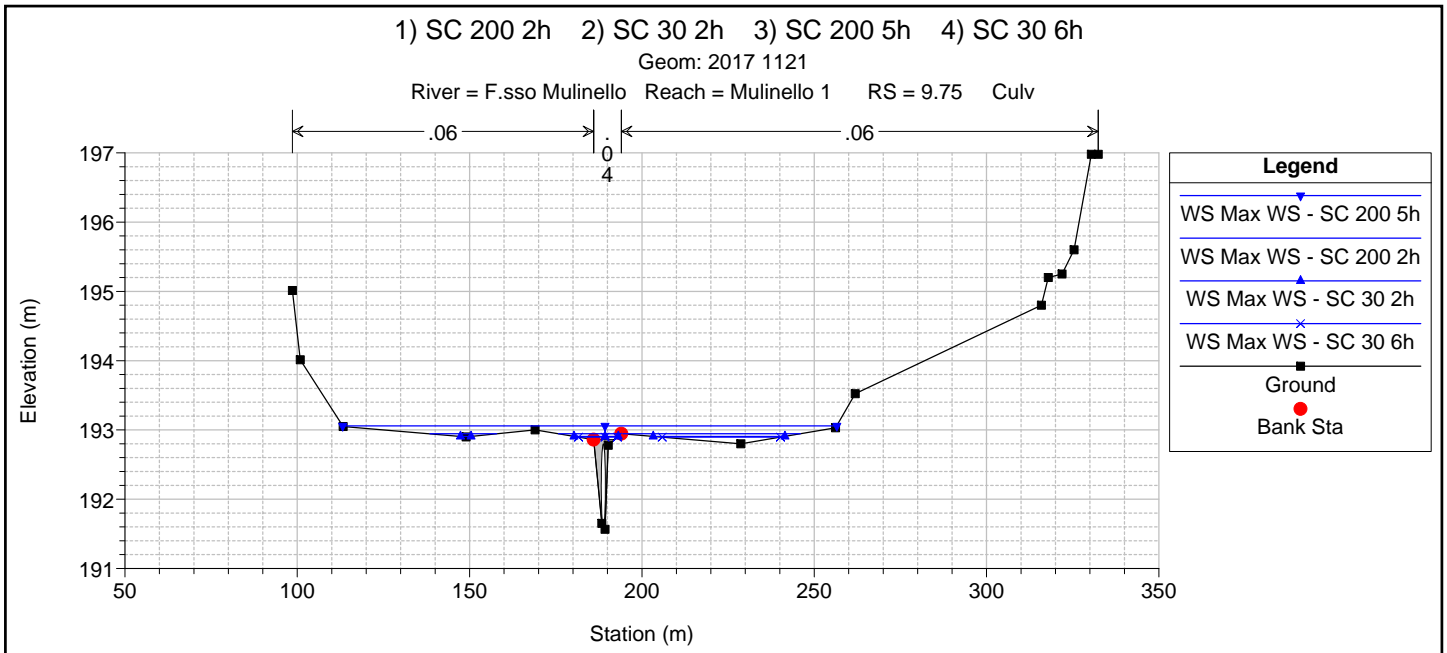


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F.sso Mulinello Reach = Mulinello 1 RS = 10

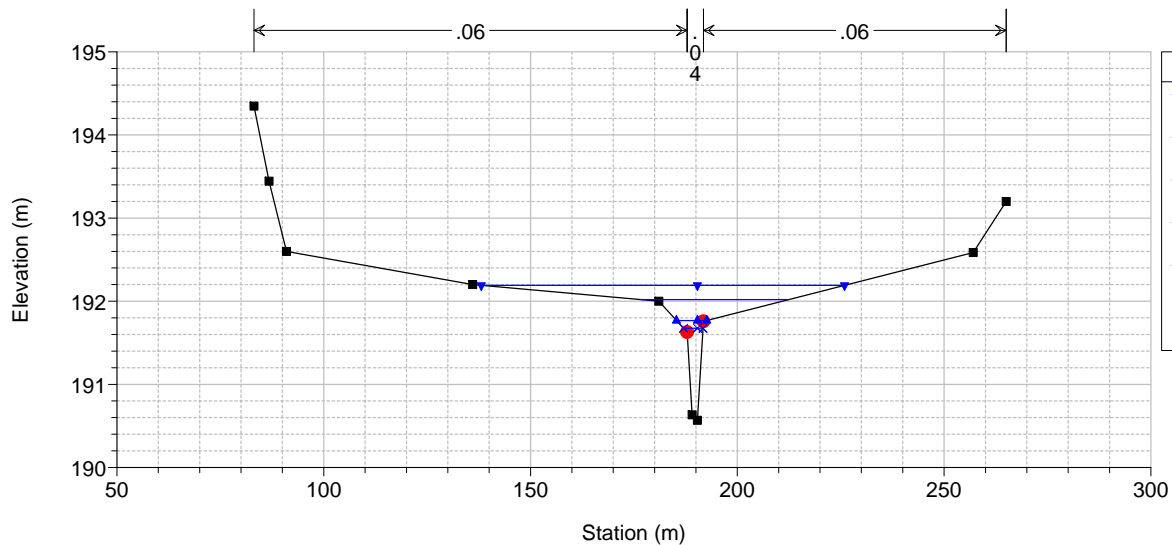




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

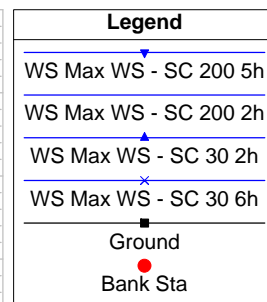
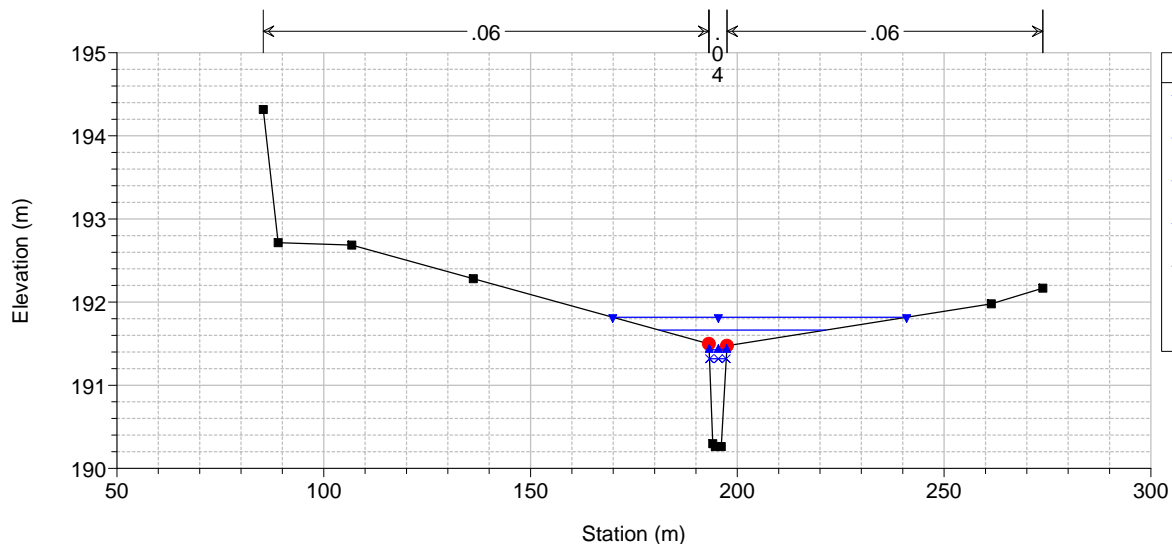
River = F.sso Mulinello Reach = Mulinello 1 RS = 9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

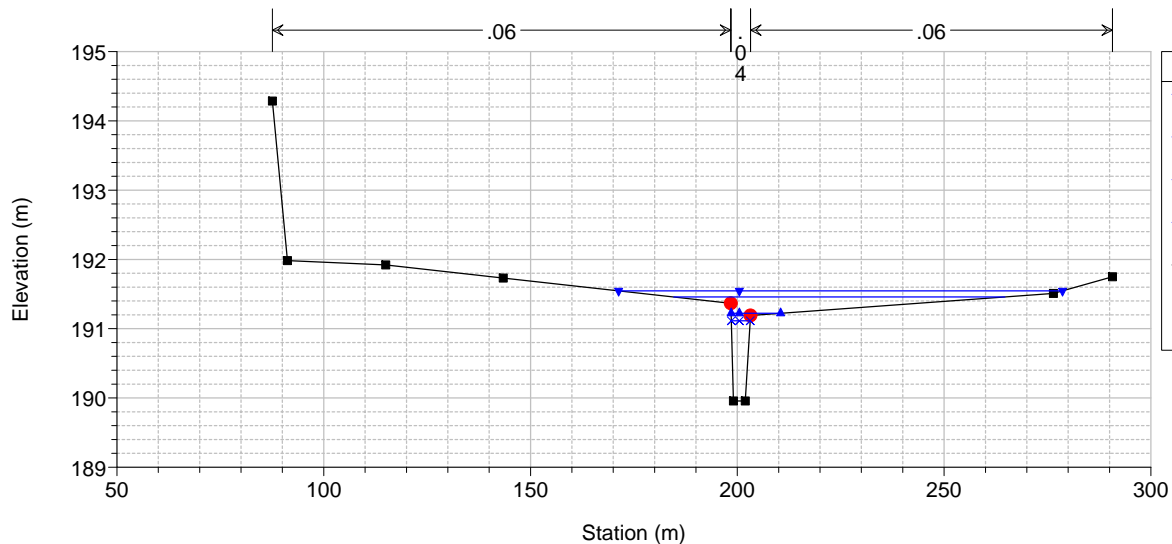
River = F.sso Mulinello Reach = Mulinello 1 RS = 8.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

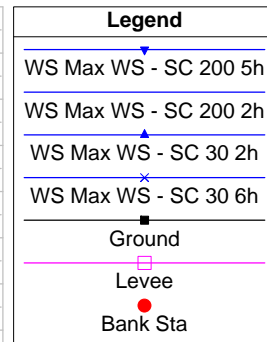
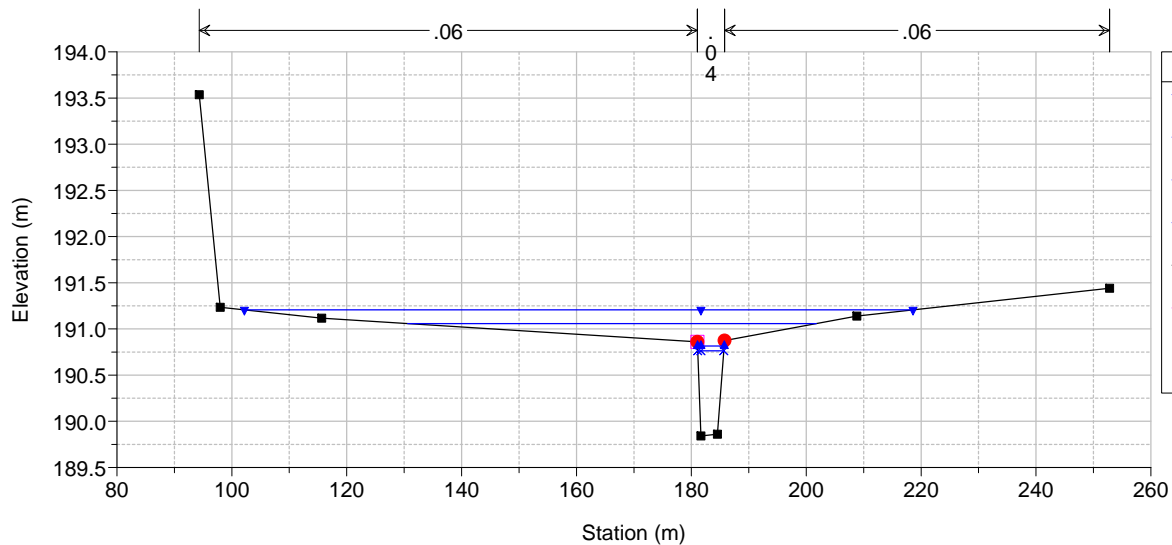
River = F.sso Mulinello Reach = Mulinello 1 RS = 8



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

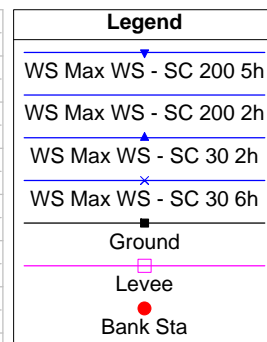
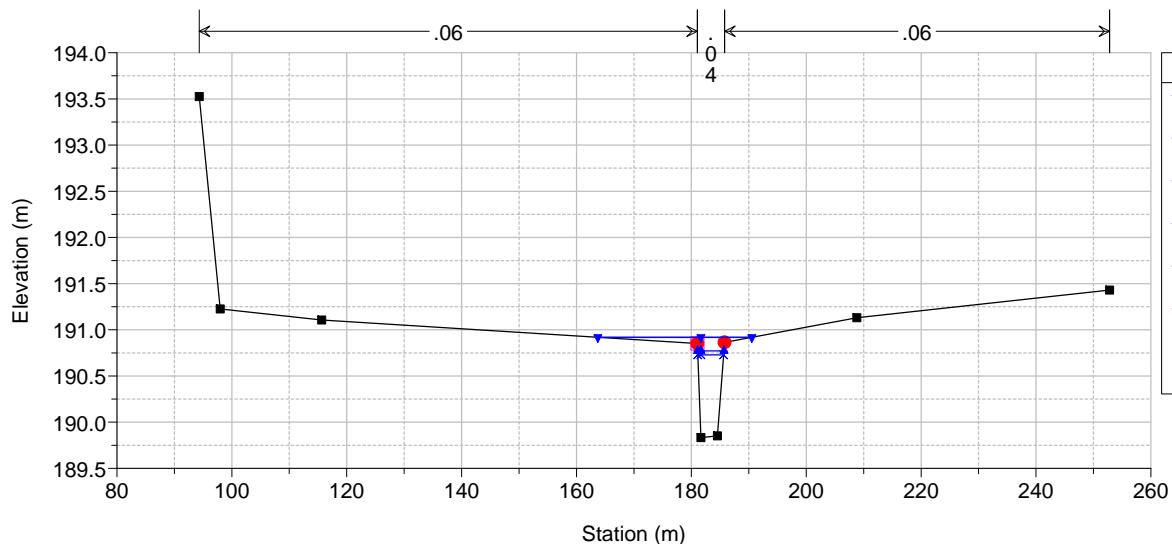
River = F.sso Mulinello Reach = Mulinello 1 RS = 7.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

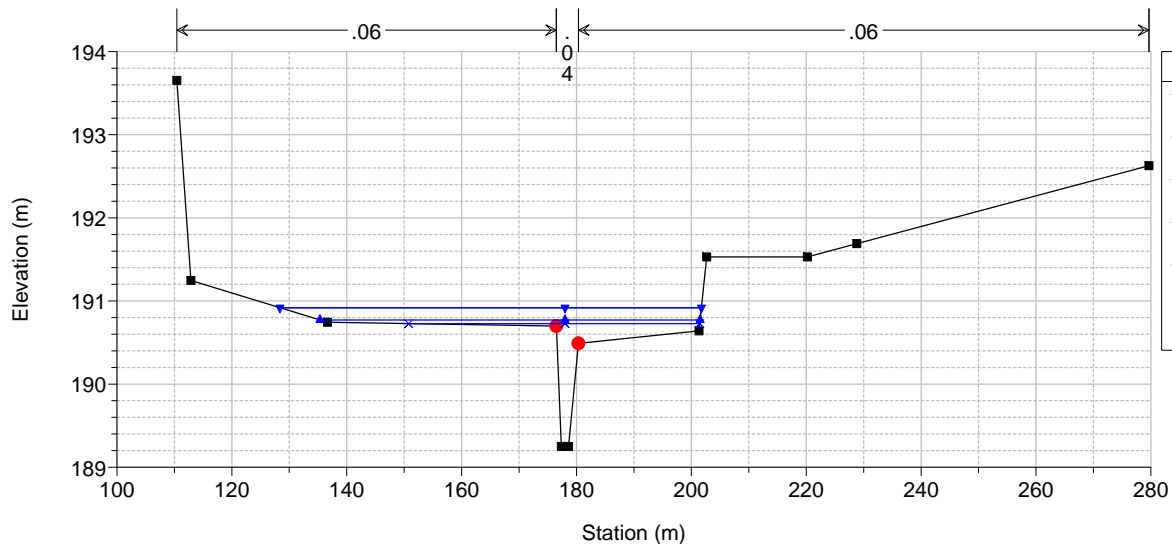
River = F.sso Mulinello Reach = Mulinello 1 RS = 7



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

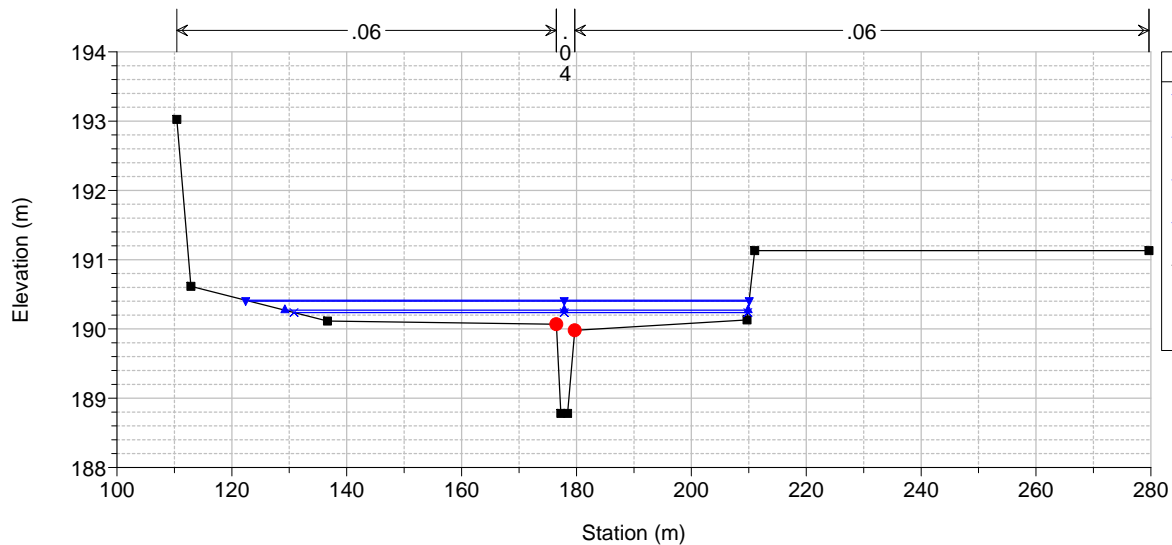
River = F.sso Mulinello Reach = Mulinello 2 RS = 6.9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

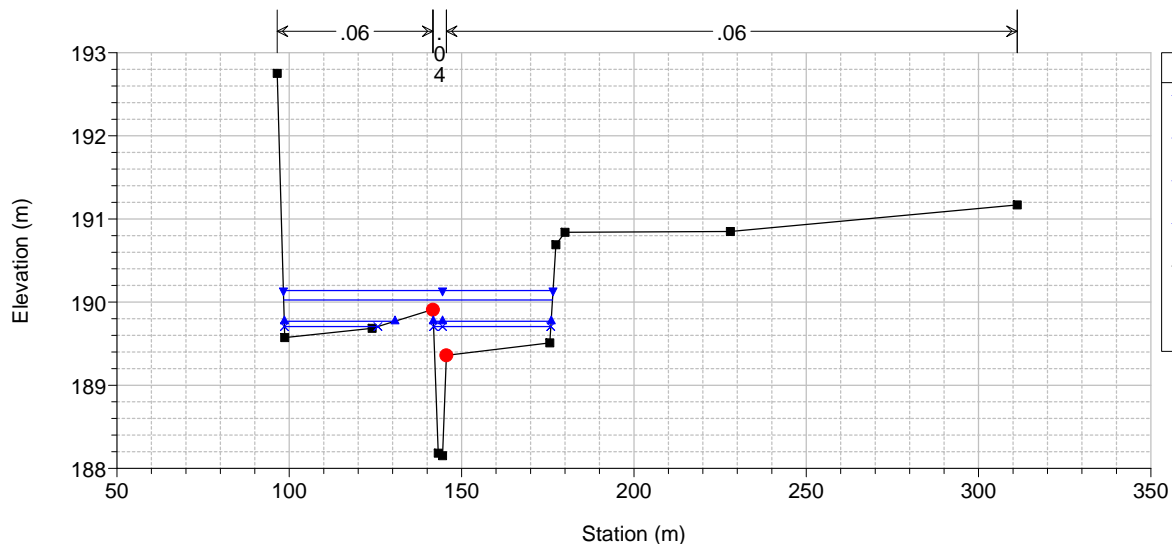
River = F.sso Mulinello Reach = Mulinello 2 RS = 6



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

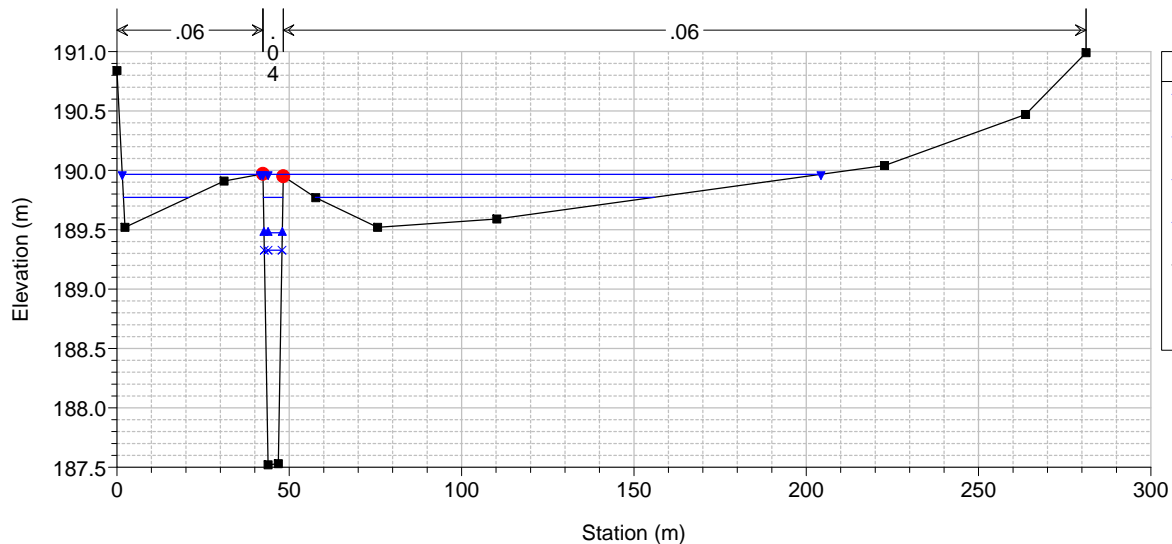
River = F.sso Mulinello Reach = Mulinello 2 RS = 5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

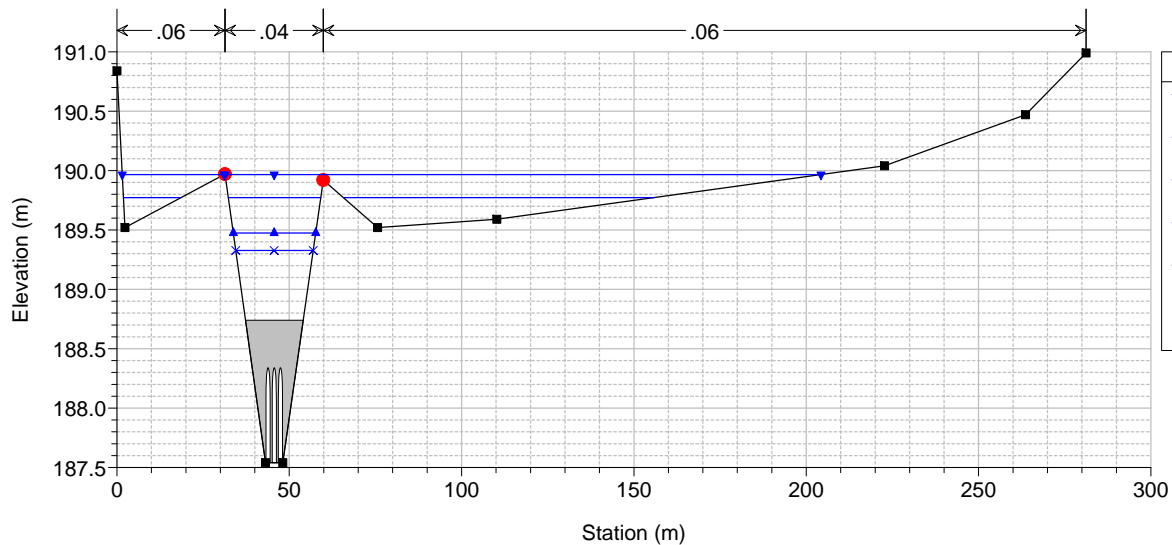
River = F.sso Mulinello Reach = Mulinello 2 RS = 4.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

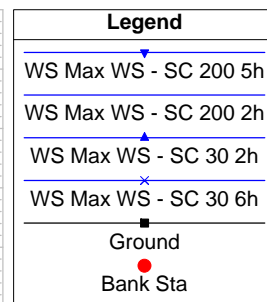
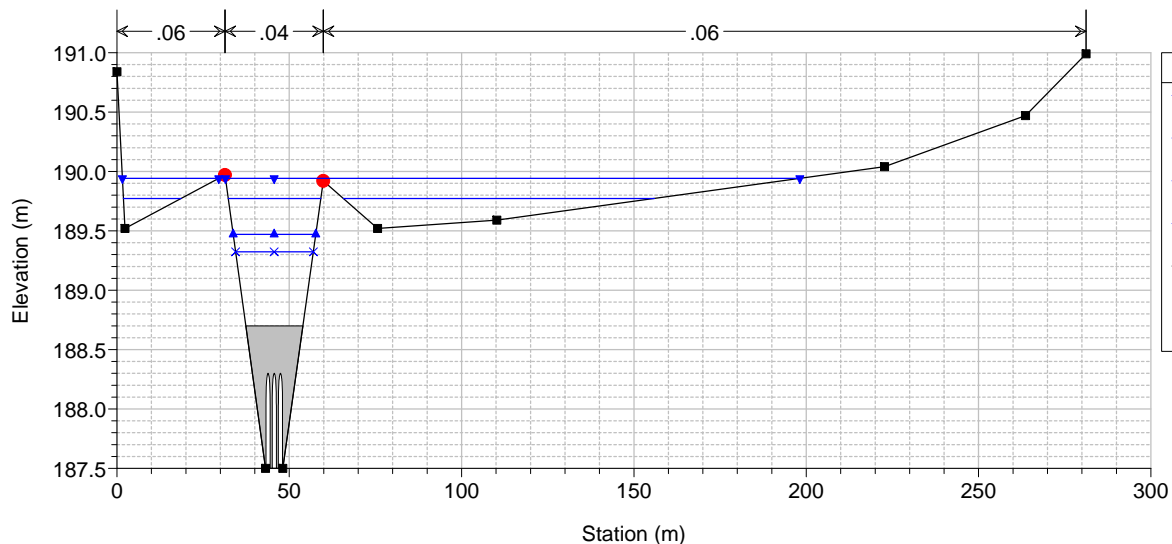
River = F.sso Mulinello Reach = Mulinello 2 RS = 4.25 Culv



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

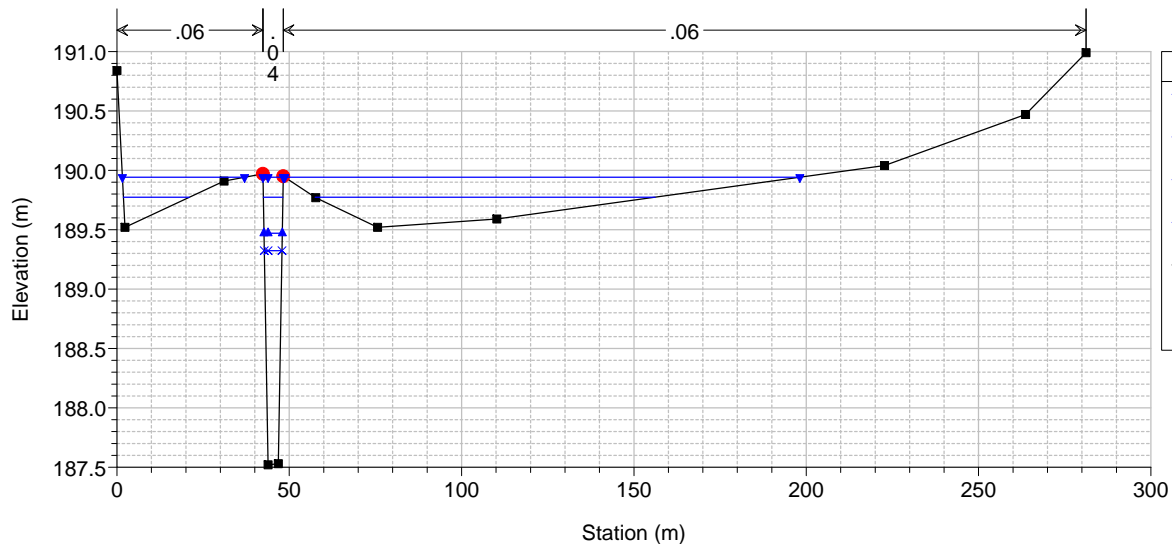
River = F.sso Mulinello Reach = Mulinello 2 RS = 4.25 Culv



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

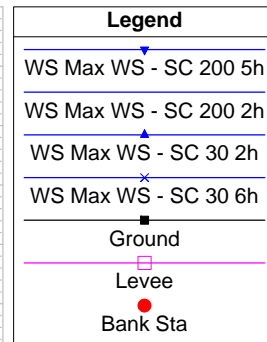
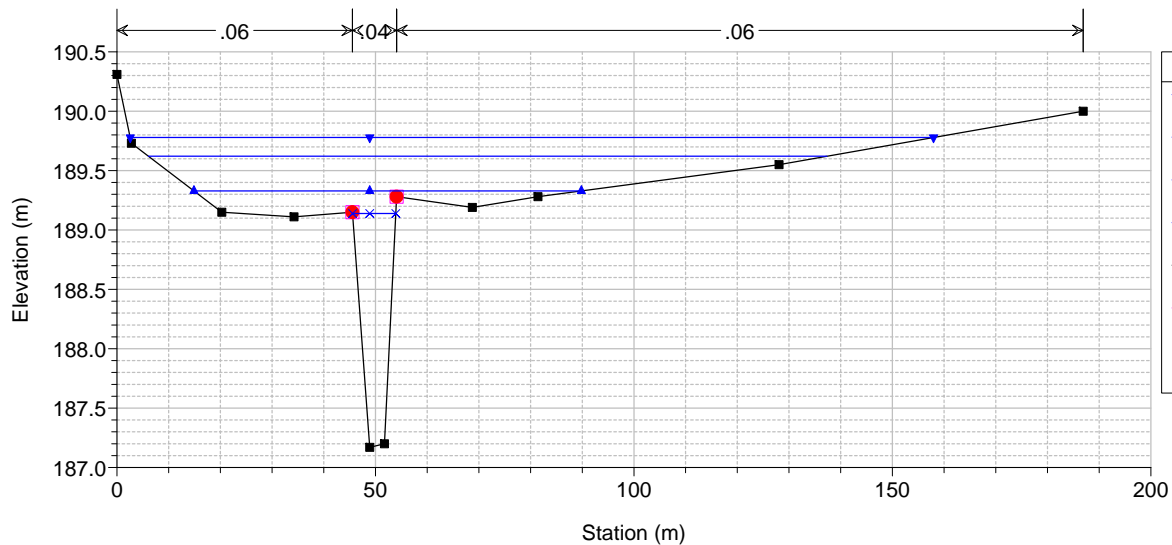
River = F.sso Mulinello Reach = Mulinello 2 RS = 4



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

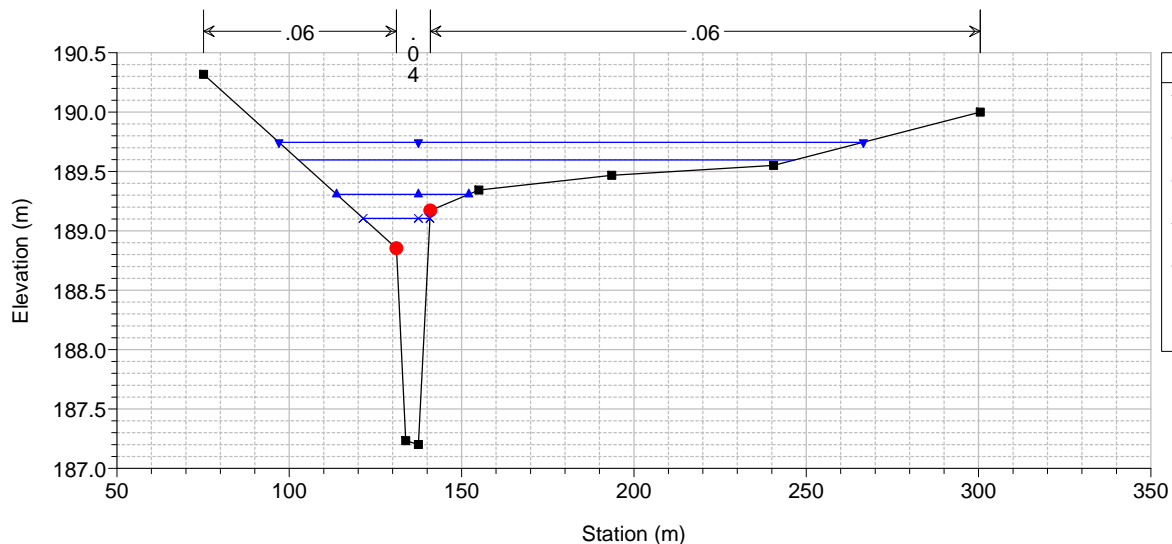
River = F.sso Mulinello Reach = Mulinello 2 RS = 3



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

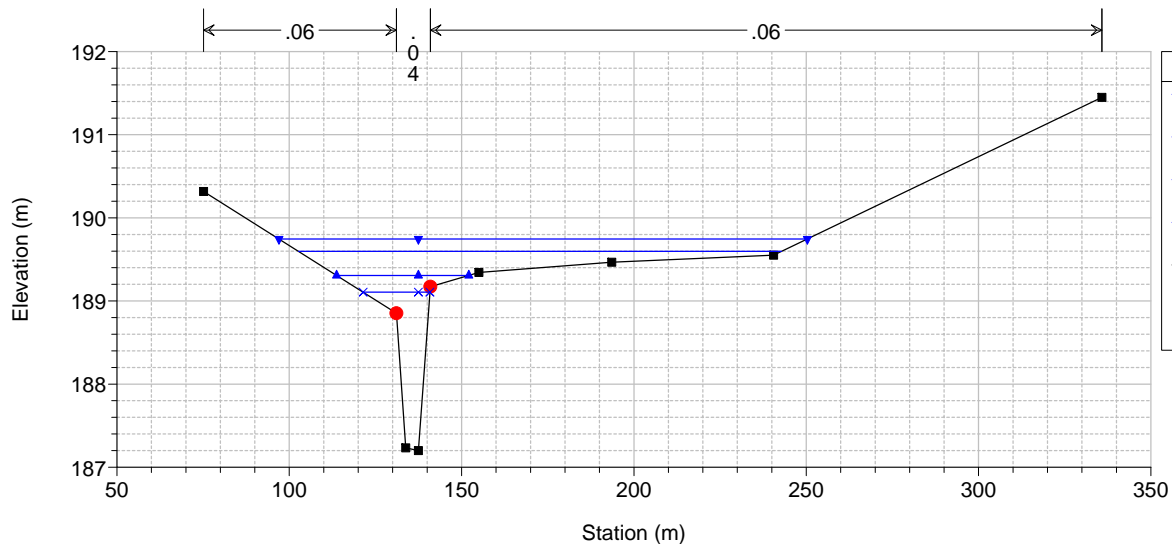
River = F.sso Mulinello Reach = Mulinello 2 RS = 2



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

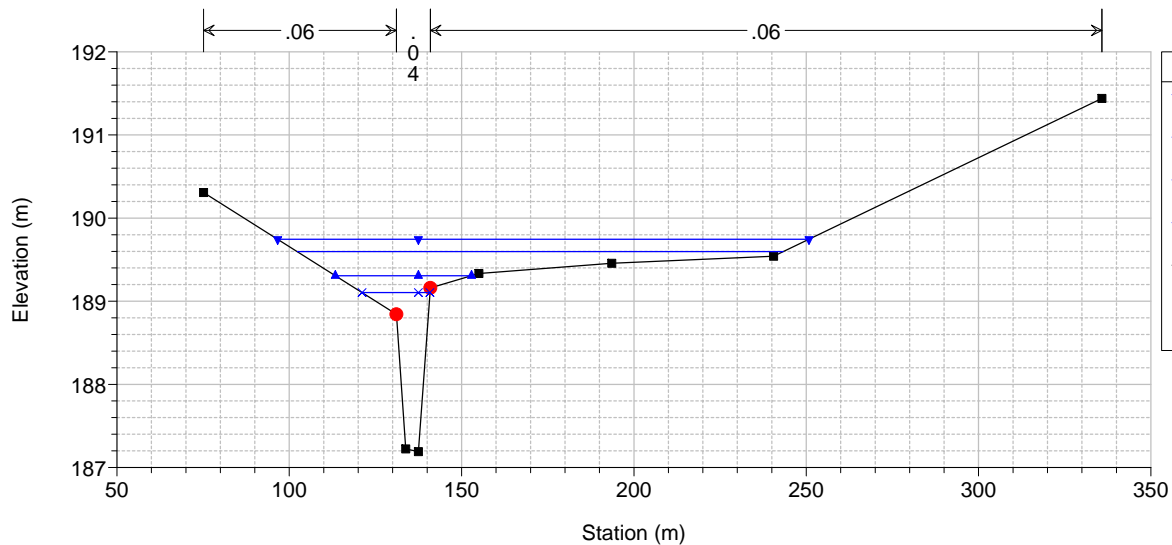
River = F.sso Mulinello Reach = Mulinello 3 RS = 1.85



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

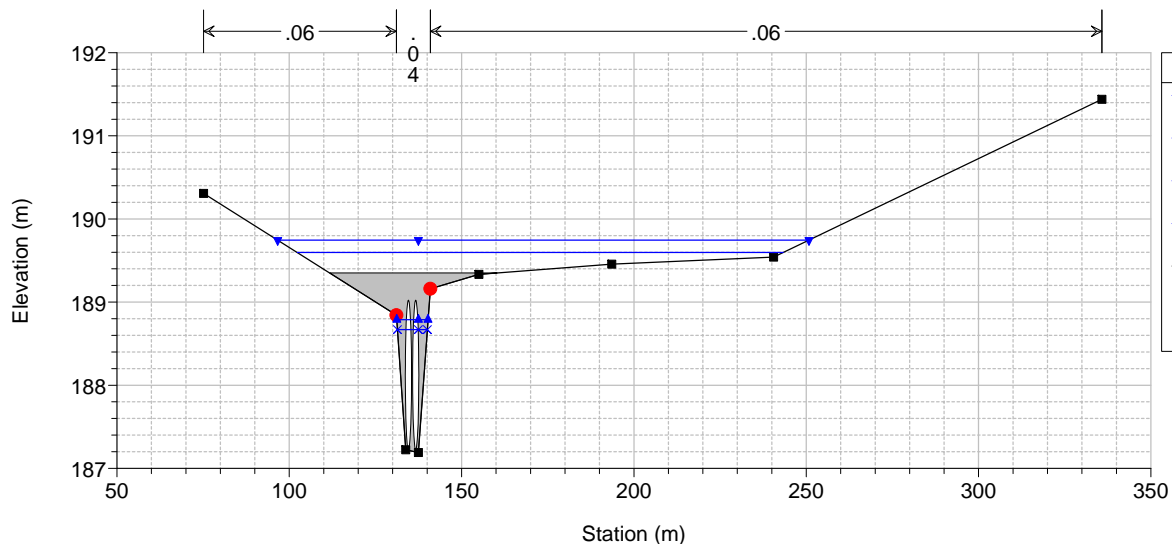
River = F.sso Mulinello Reach = Mulinello 3 RS = 1.8



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

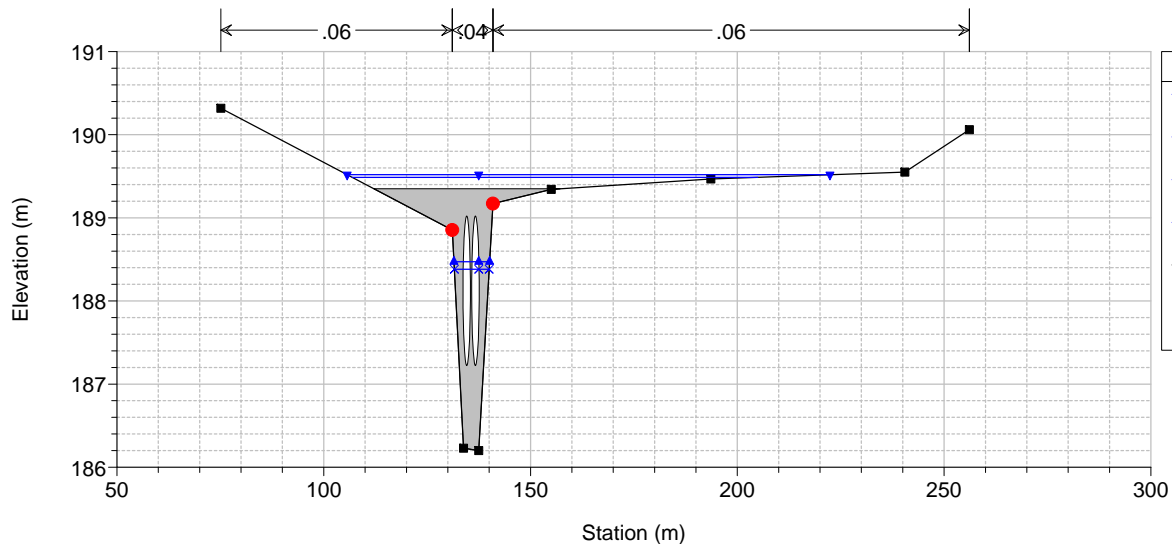
River = F.sso Mulinello Reach = Mulinello 3 RS = 1.65 Culv

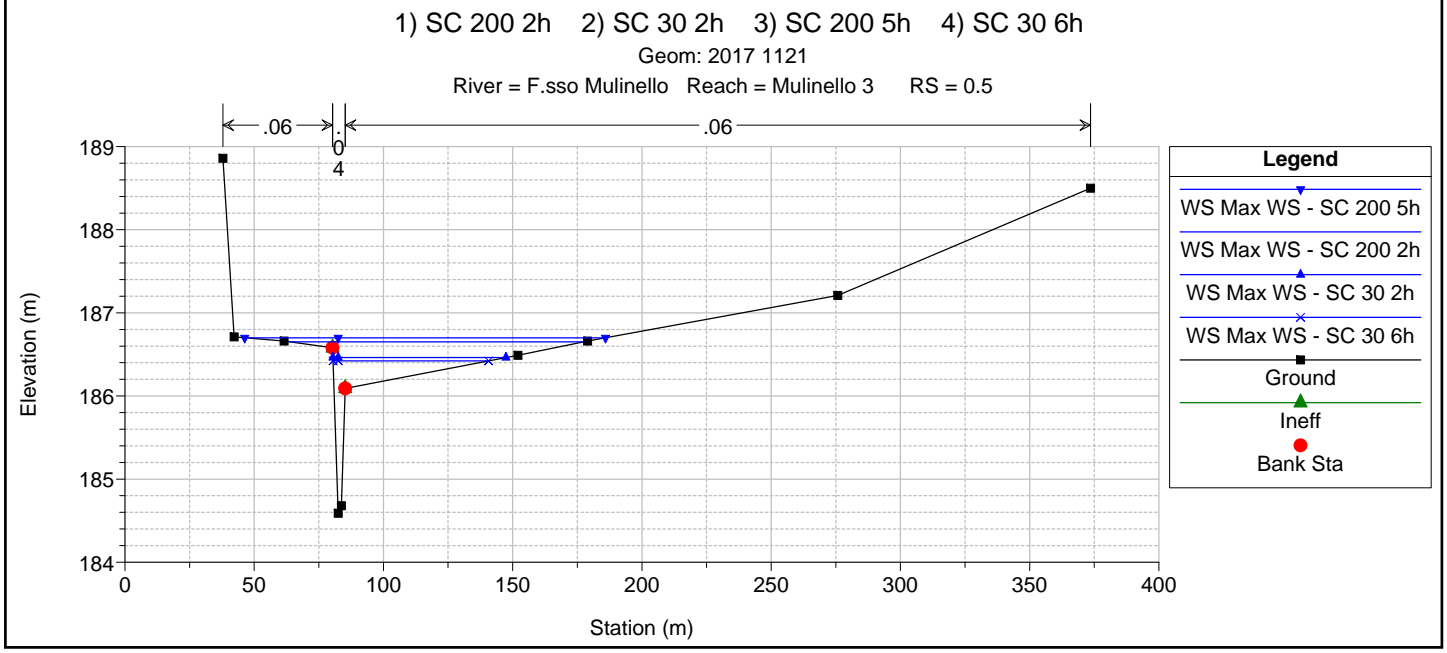
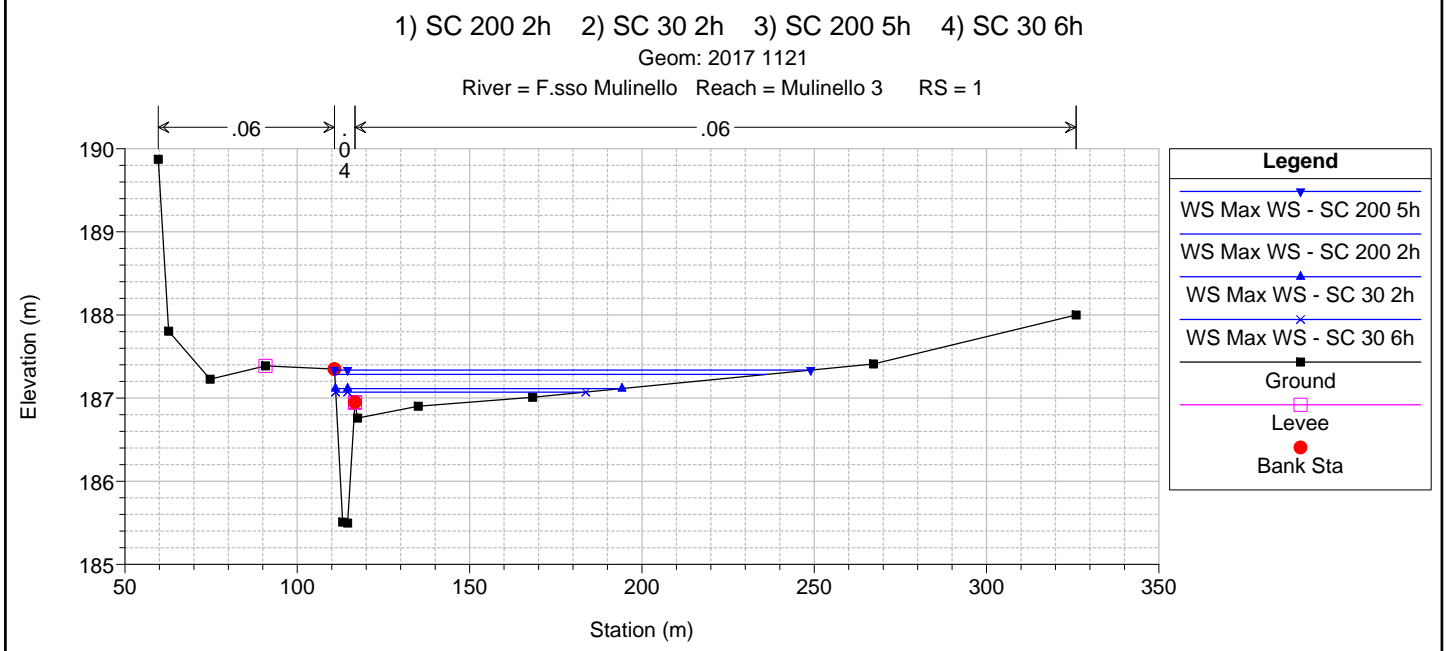
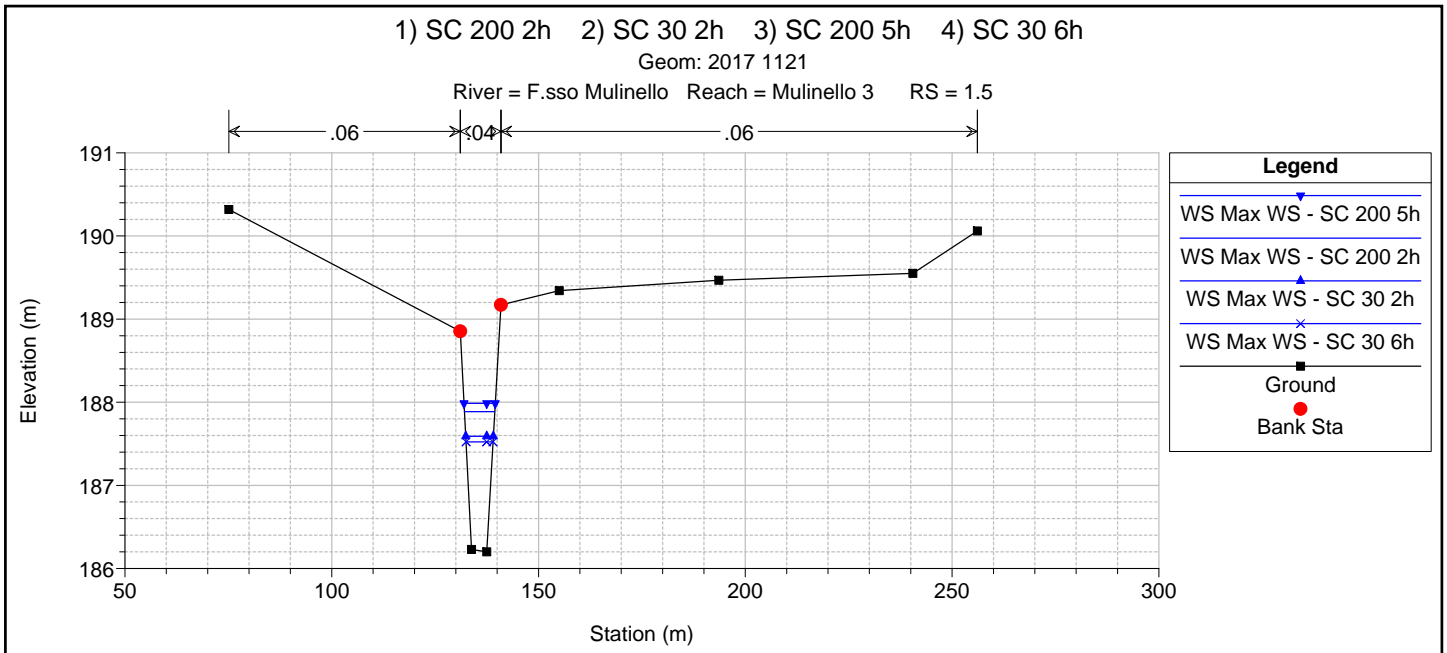


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F.sso Mulinello Reach = Mulinello 3 RS = 1.65 Culv

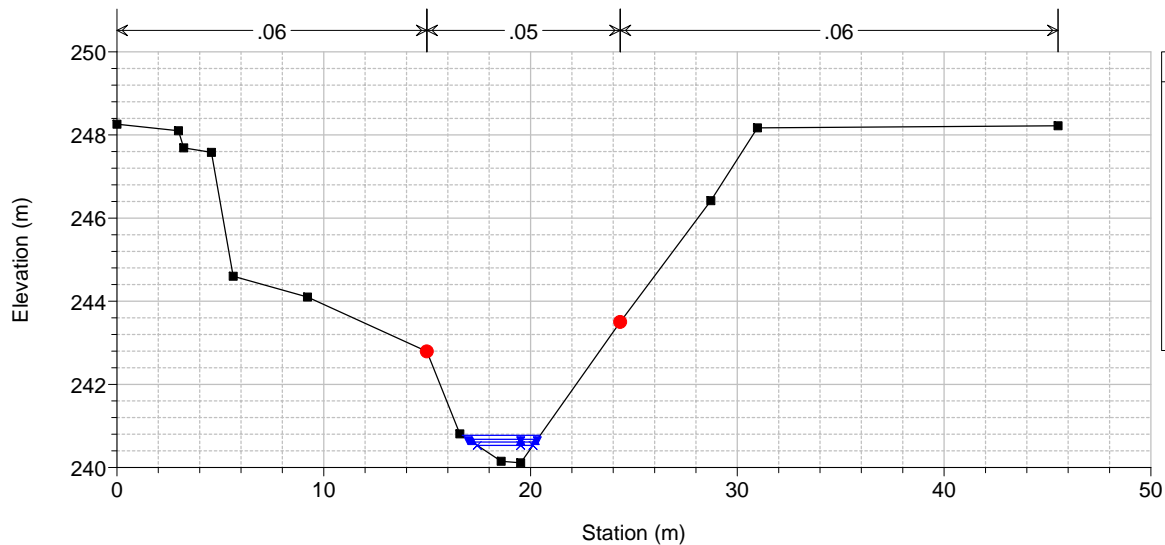




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

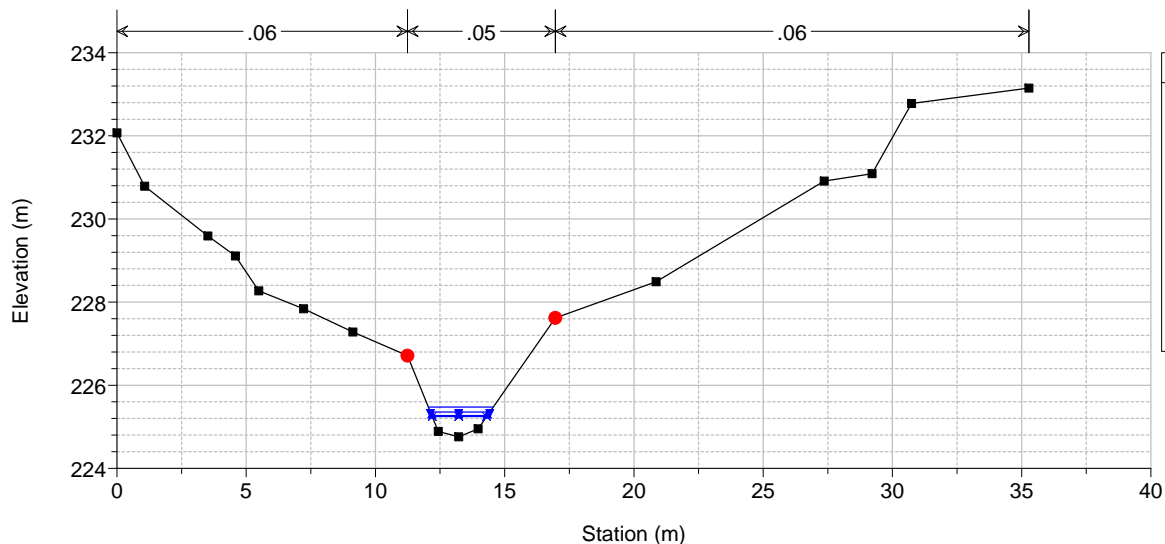
River = F. sso del Busso Reach = Busso RS = 16



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

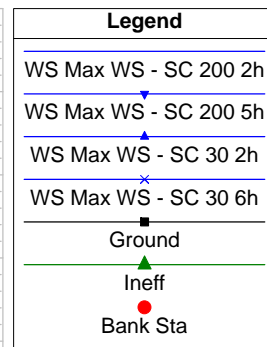
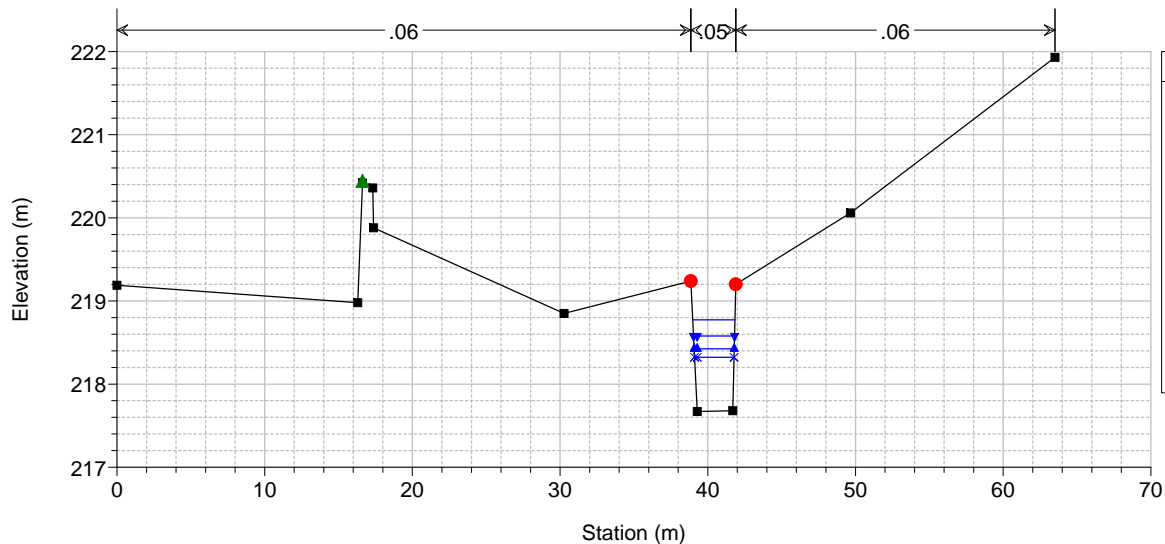
River = F. sso del Busso Reach = Busso RS = 15



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

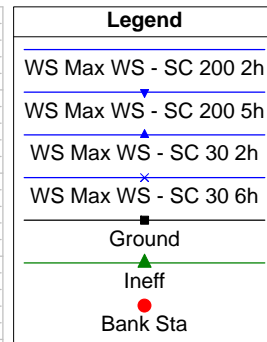
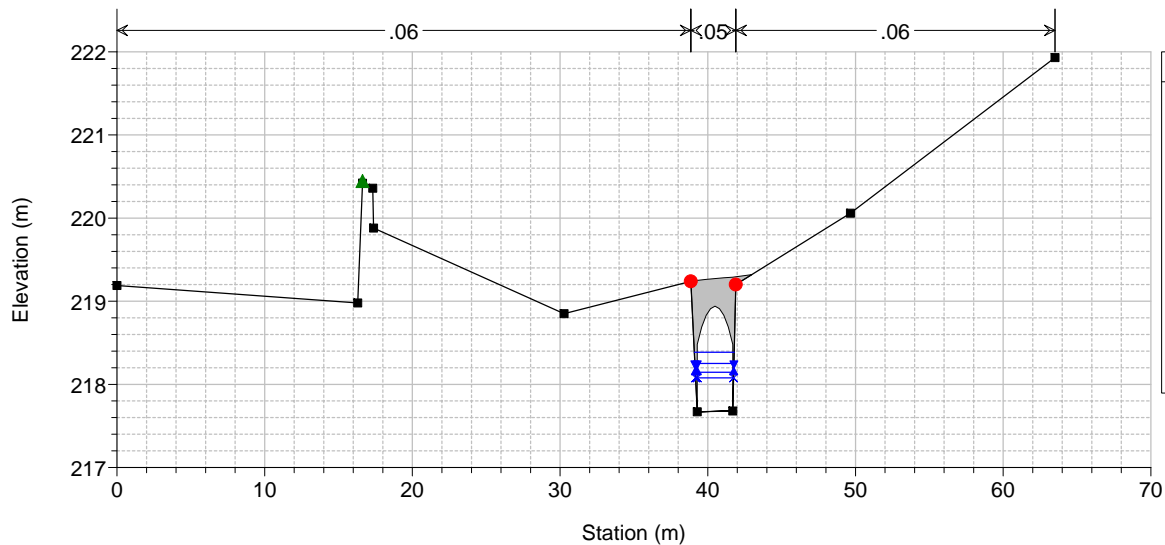
River = F. sso del Busso Reach = Busso RS = 14



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

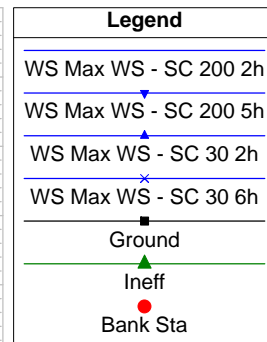
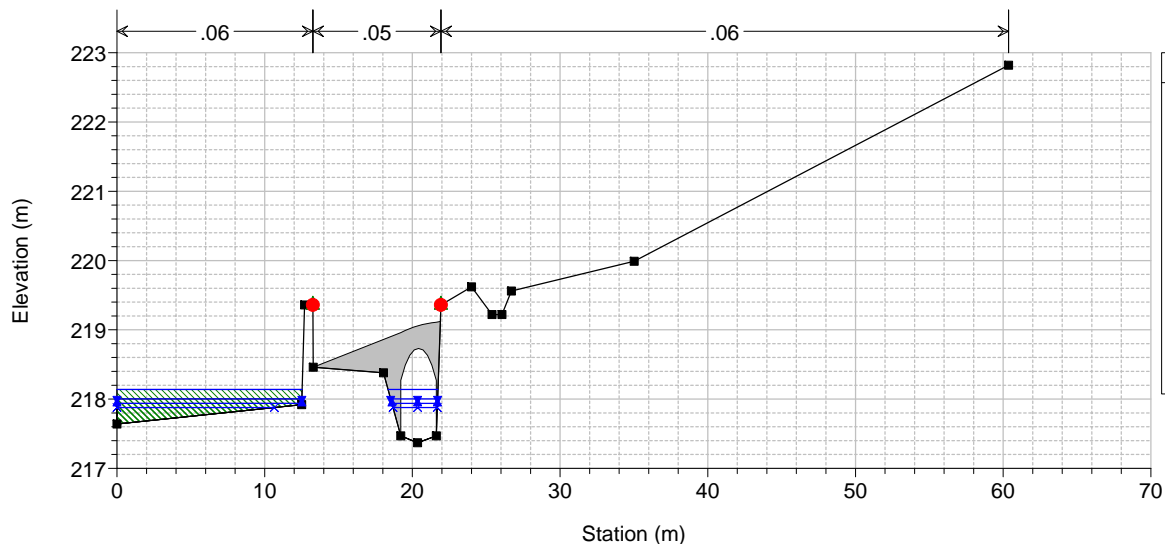
River = F. sso del Busso Reach = Busso RS = 13.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

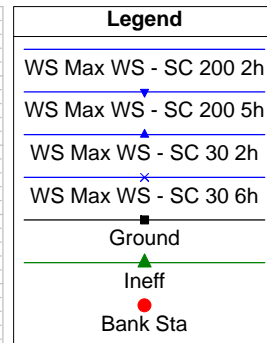
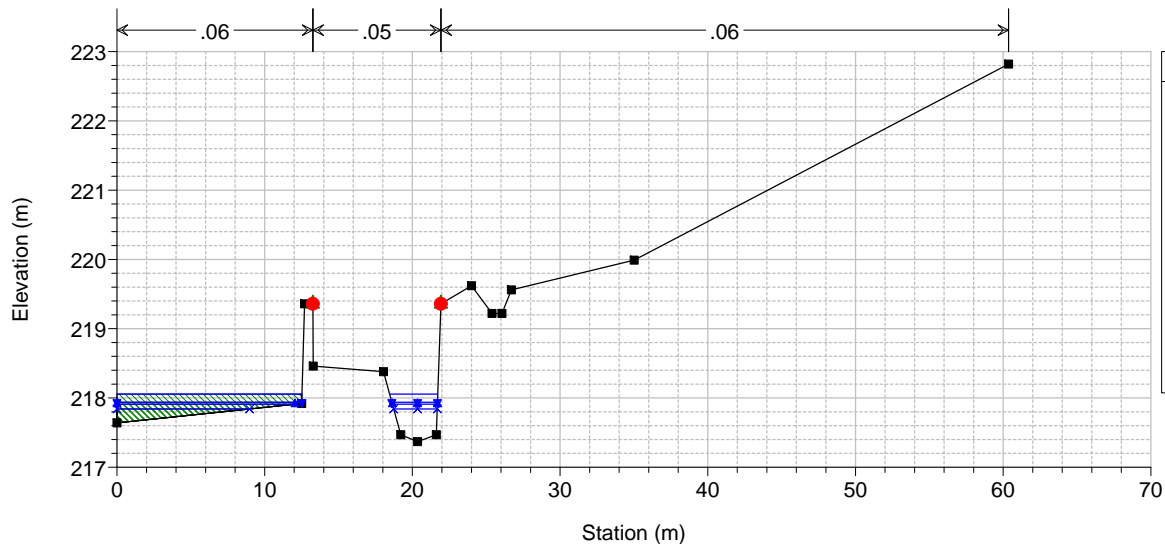
River = F. sso del Busso Reach = Busso RS = 13.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

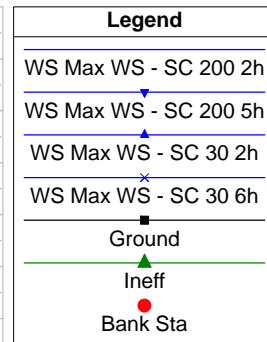
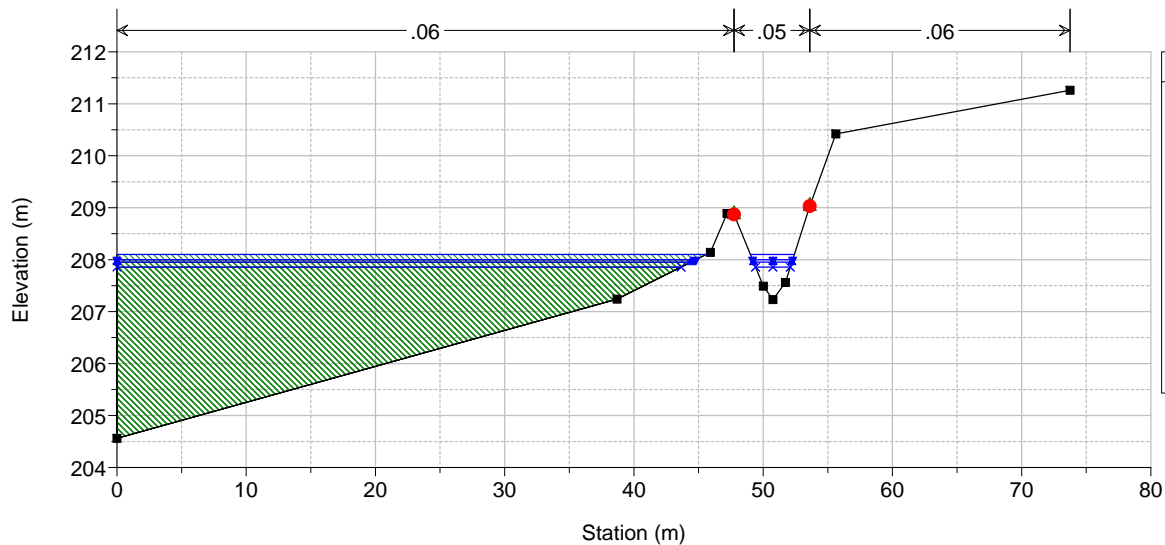
River = F. sso del Busso Reach = Busso RS = 13



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

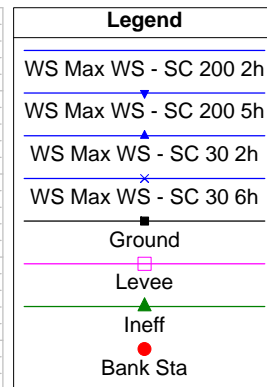
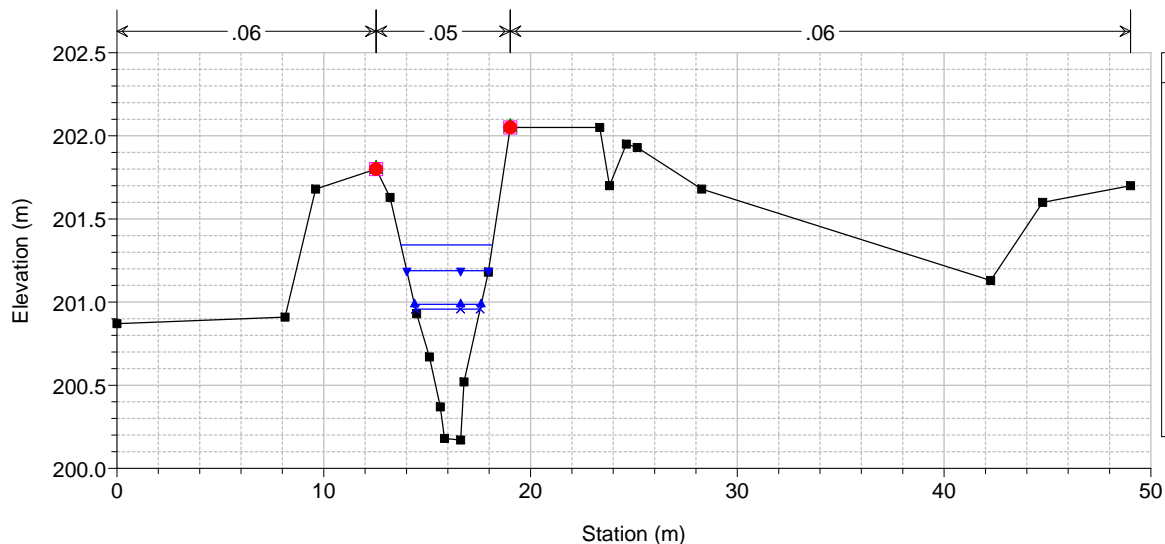
River = F. sso del Busso Reach = Busso RS = 12



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

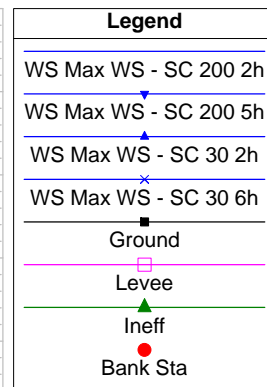
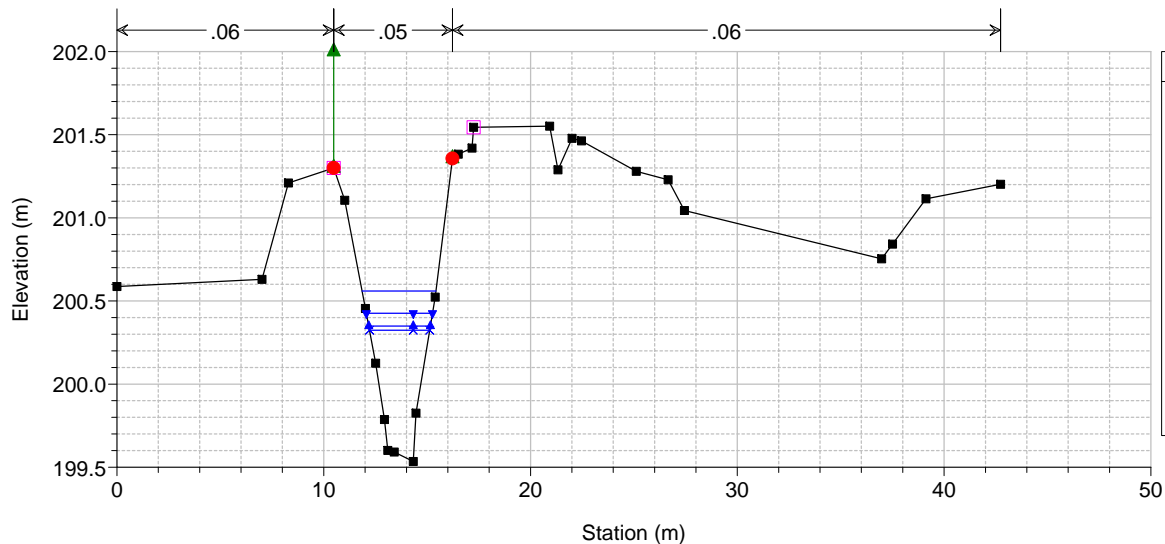
River = F. sso del Busso Reach = Busso RS = 11



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

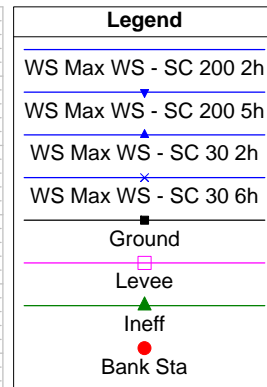
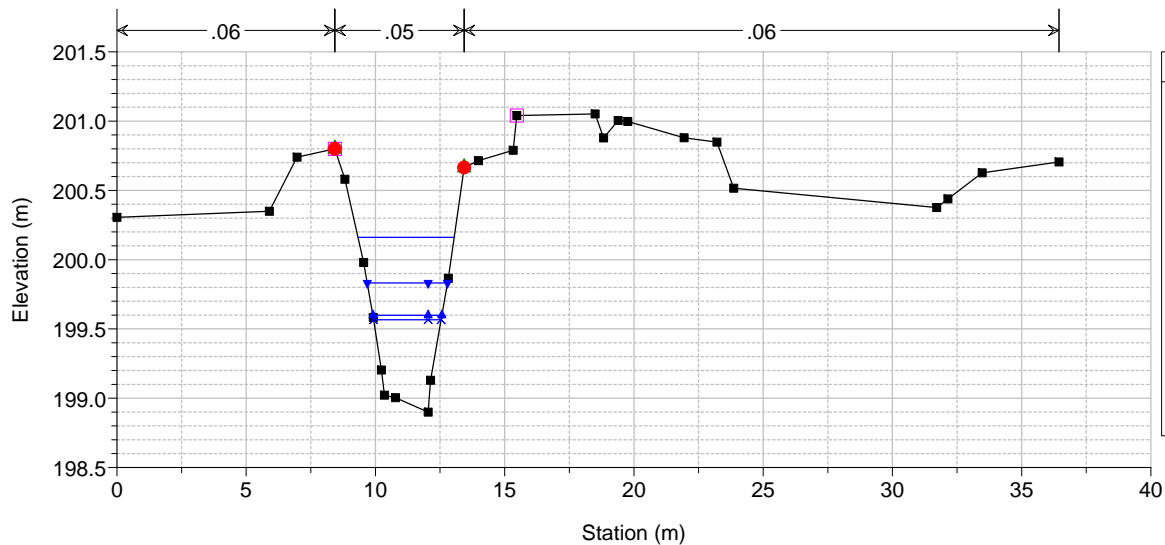
River = F. sso del Busso Reach = Busso RS = 10.5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

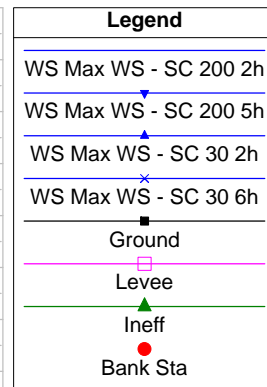
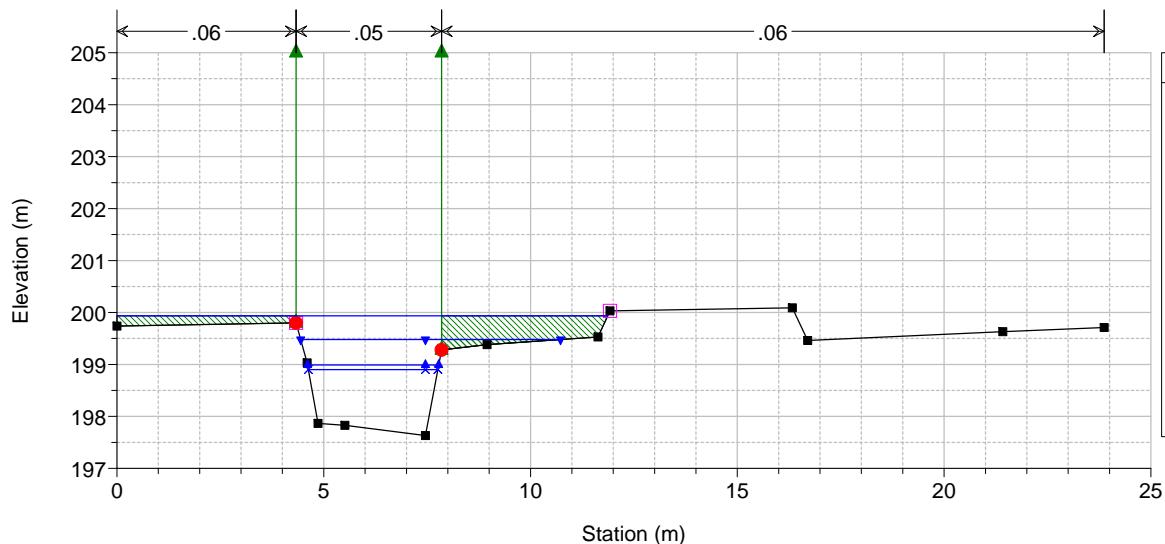
River = F. sso del Busso Reach = Busso RS = 10



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

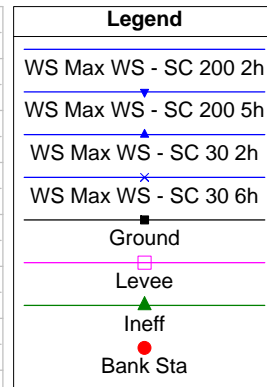
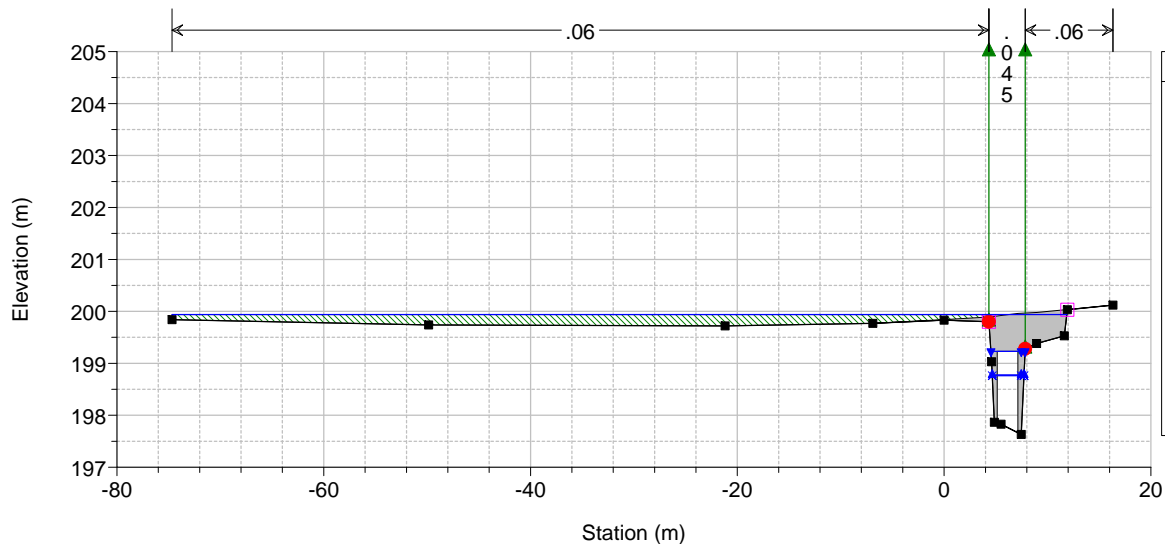
River = F. sso del Busso Reach = Busso RS = 9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

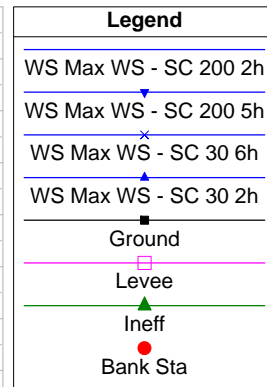
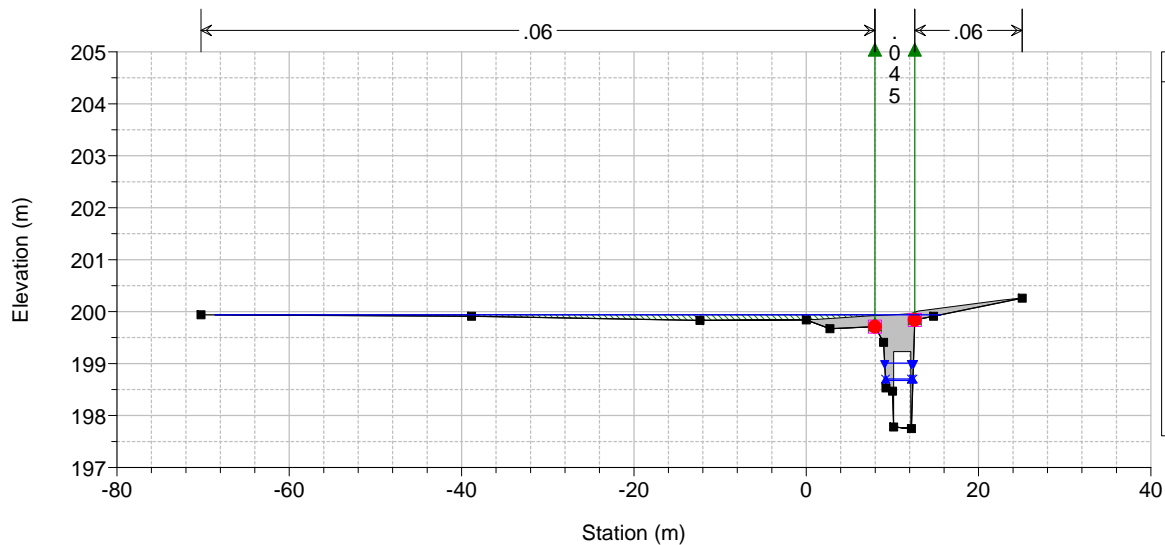
River = F. sso del Busso Reach = Busso RS = 8.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

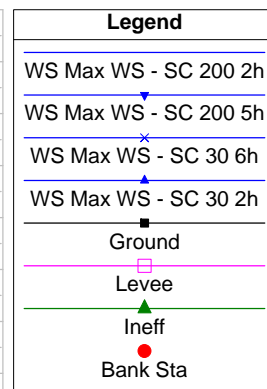
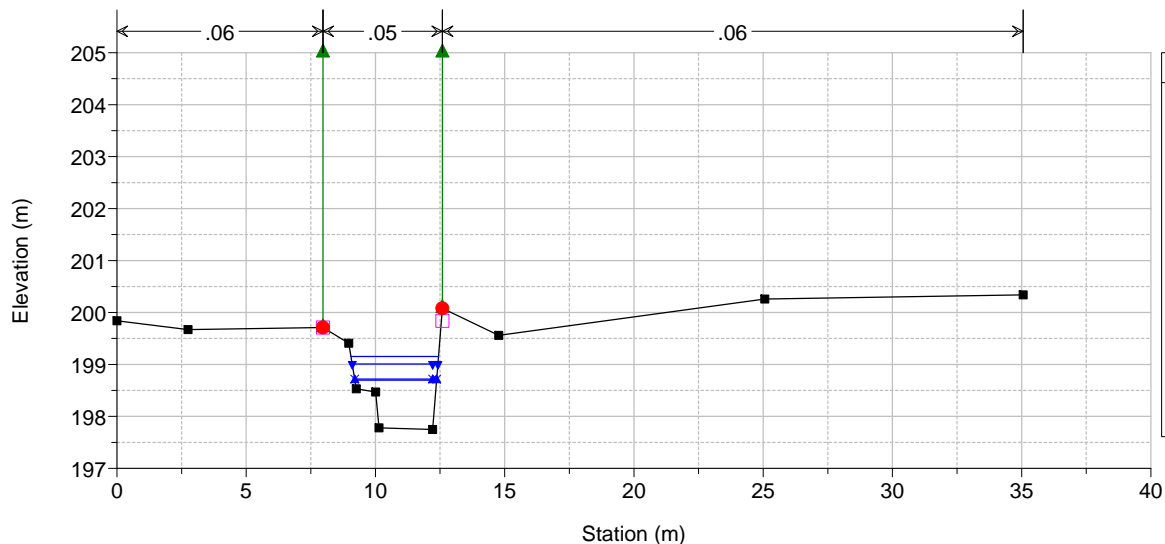
River = F. sso del Busso Reach = Busso RS = 8.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

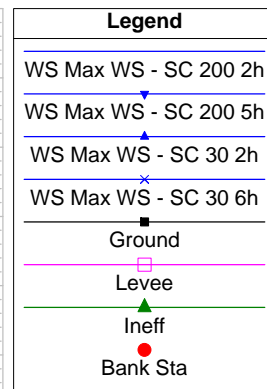
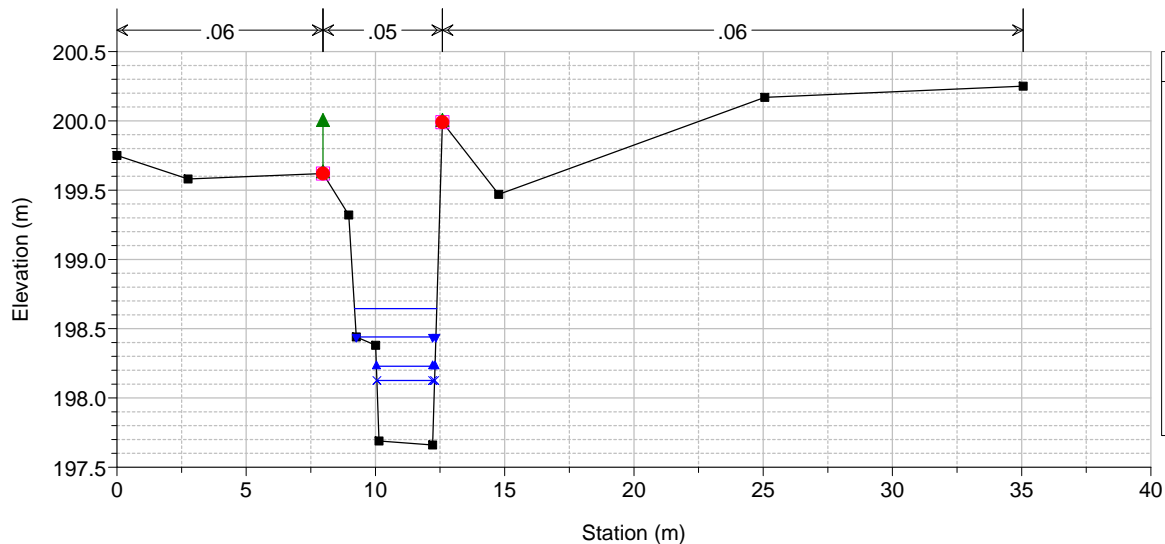
River = F. sso del Busso Reach = Busso RS = 8



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

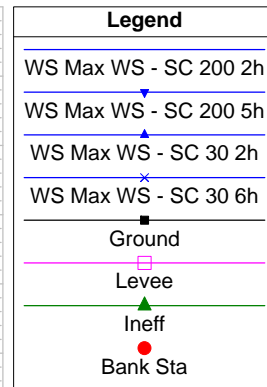
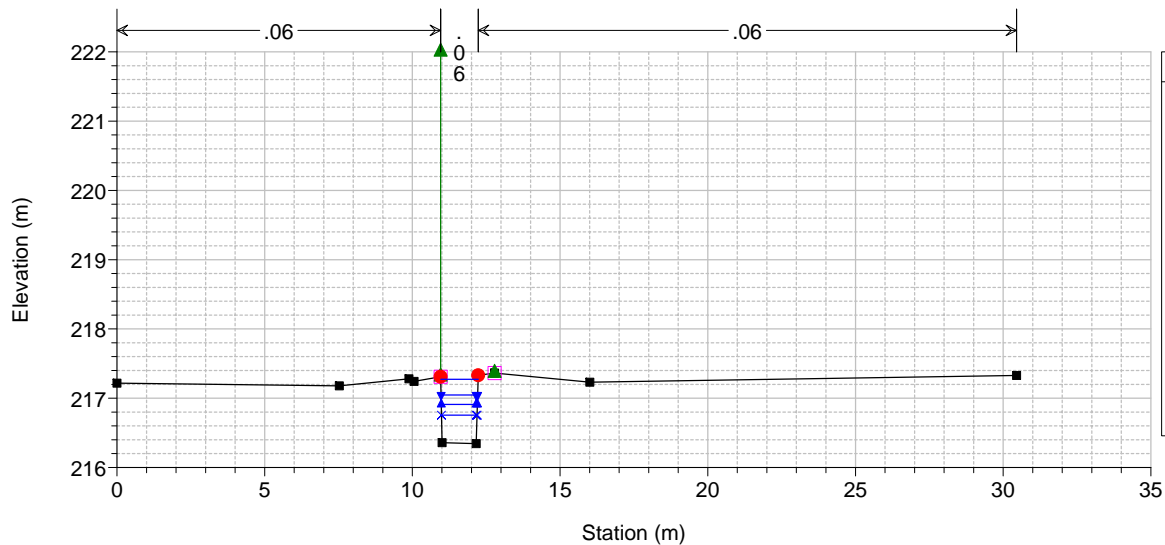
River = F. sso del Busso Reach = Busso RS = 7.9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

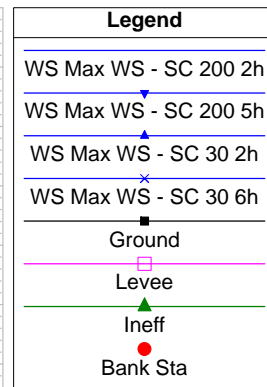
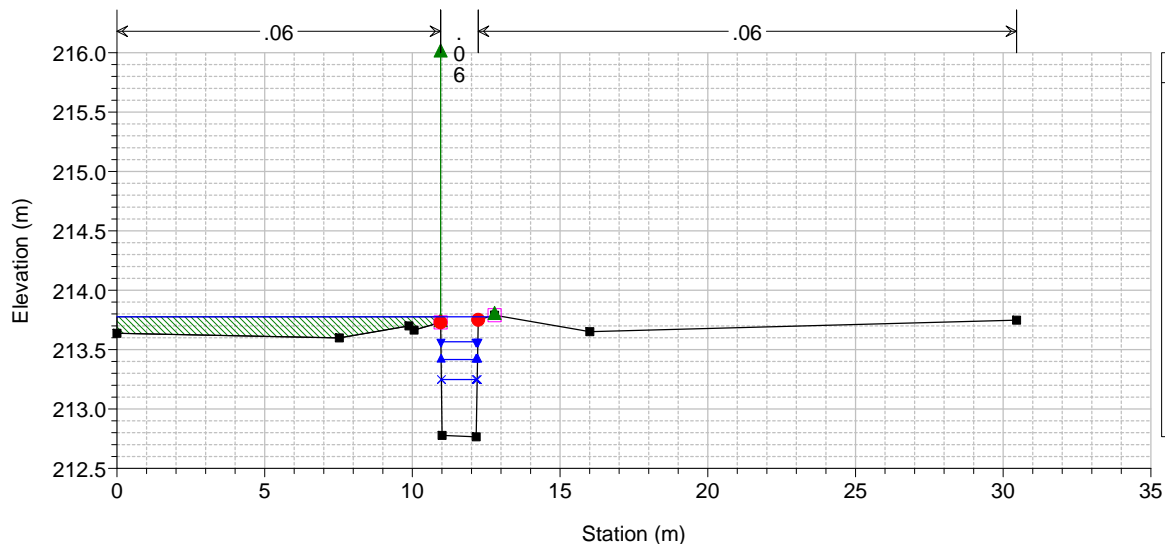
River = F. sso del Busso Reach = Doccino RS = 7.9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

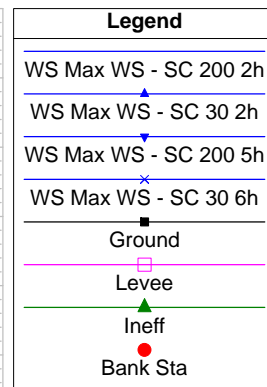
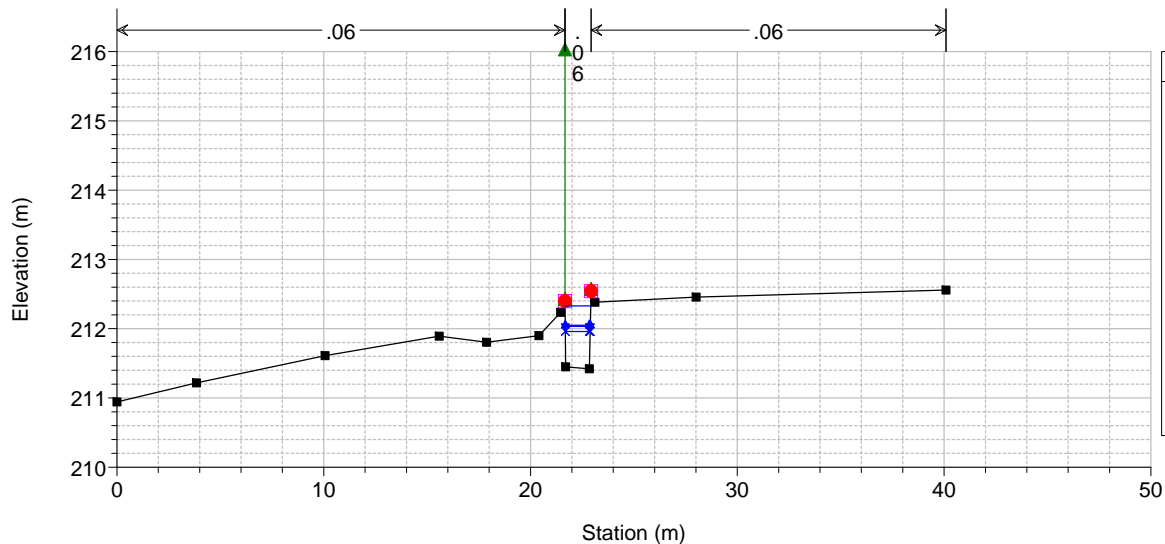
River = F. sso del Busso Reach = Doccino RS = 7



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

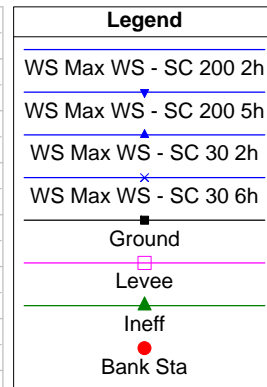
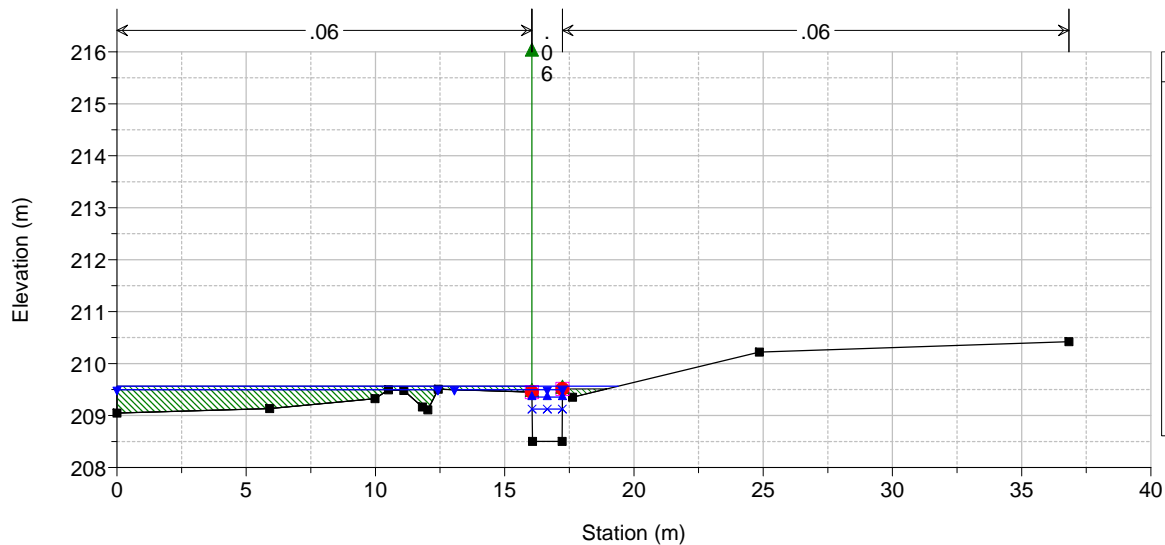
River = F. sso del Busso Reach = Doccino RS = 6



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

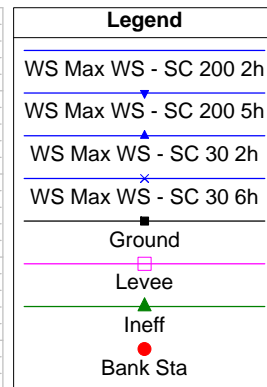
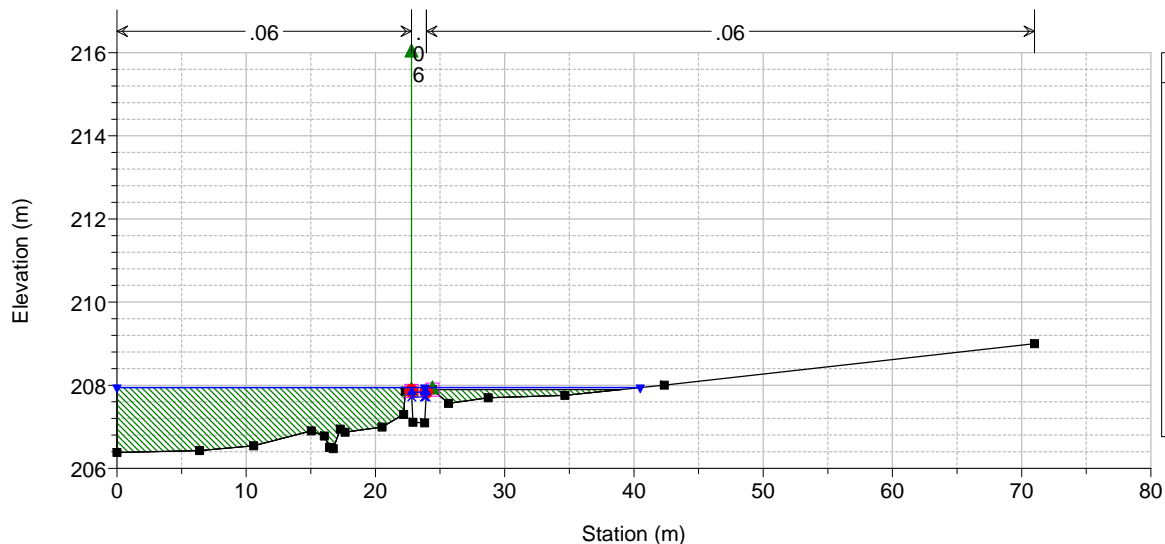
River = F. sso del Busso Reach = Doccino RS = 5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

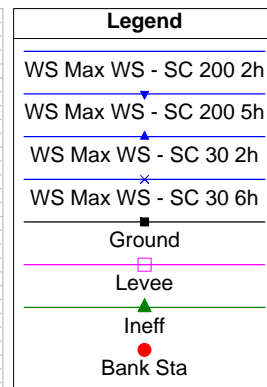
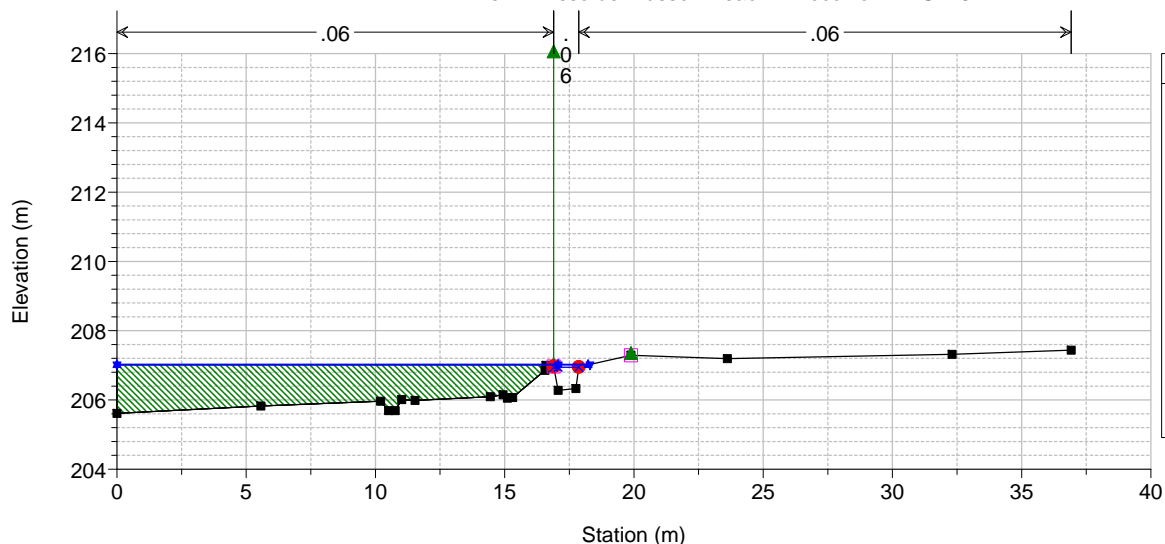
River = F. sso del Busso Reach = Doccino RS = 4

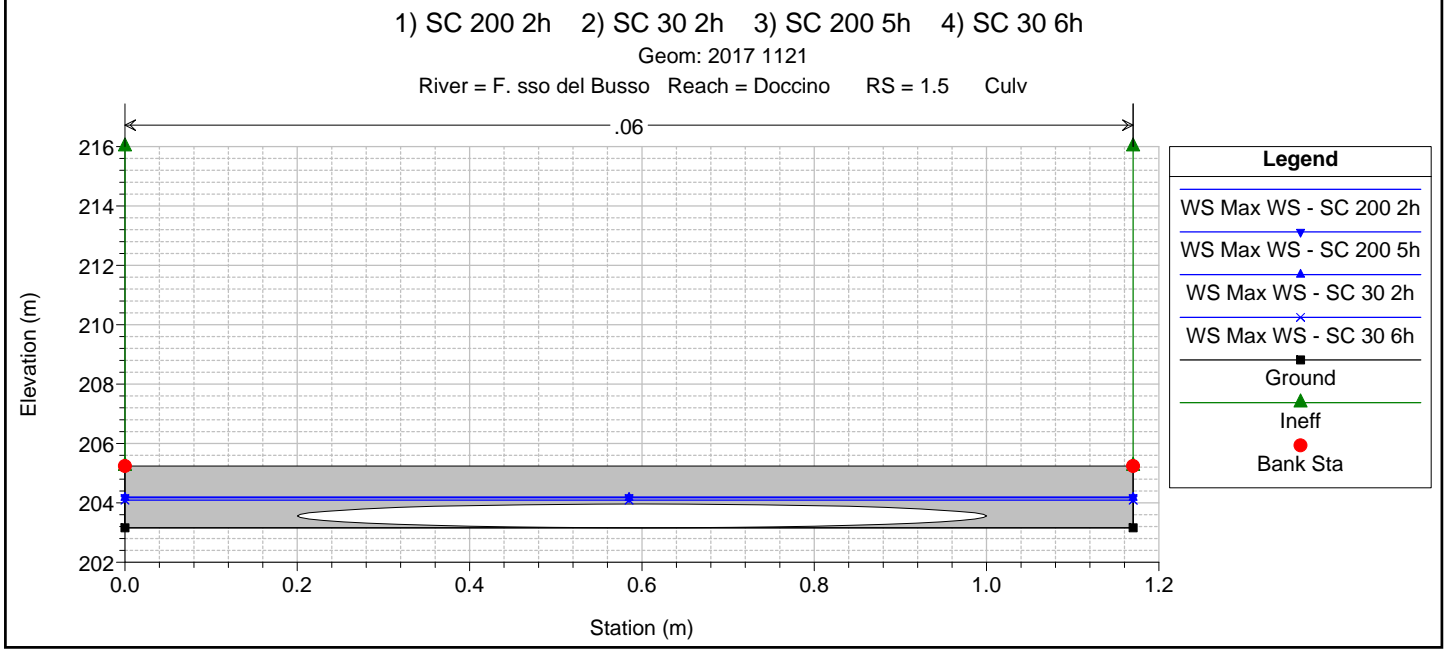
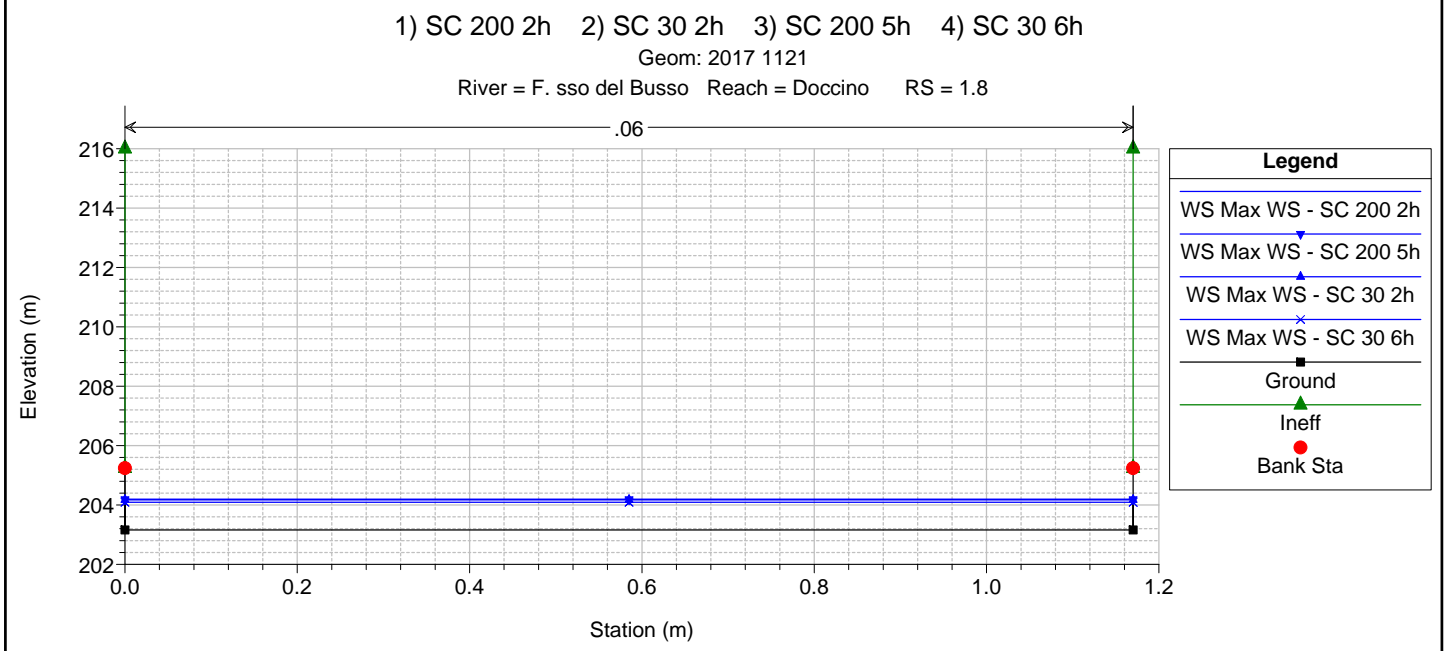
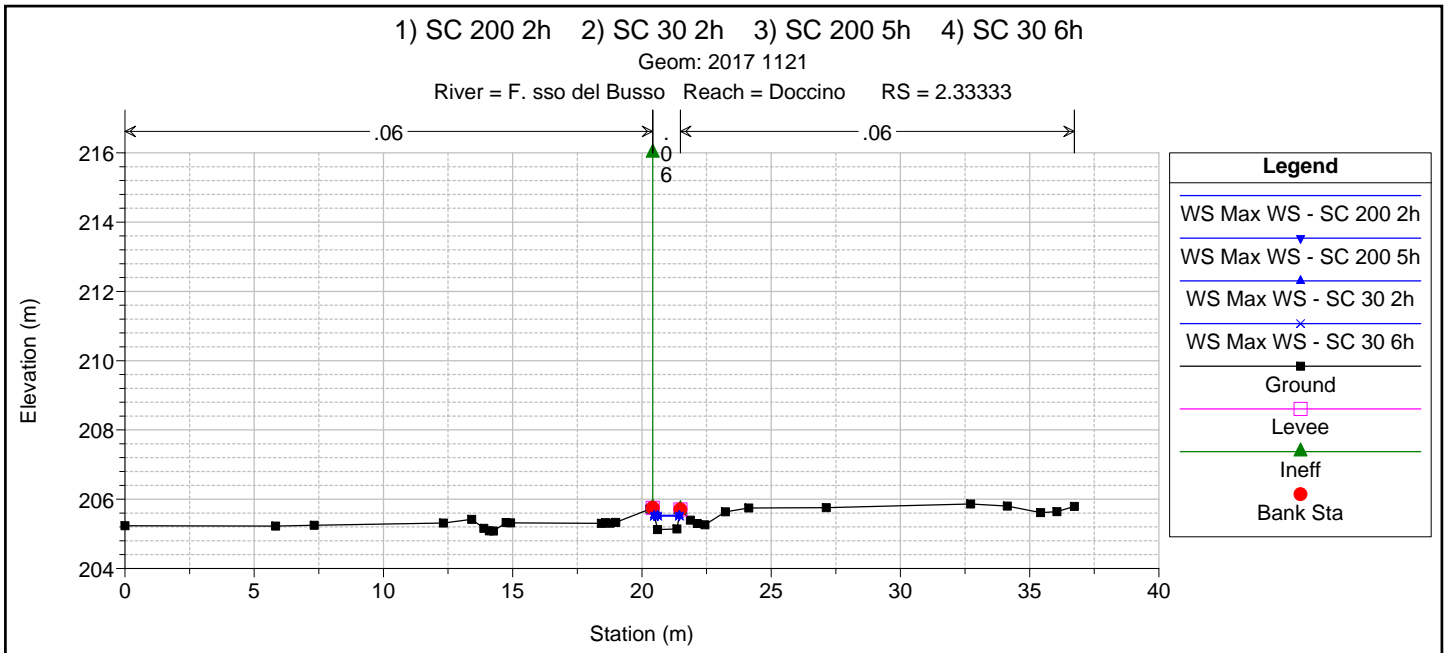


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F. sso del Busso Reach = Doccino RS = 3



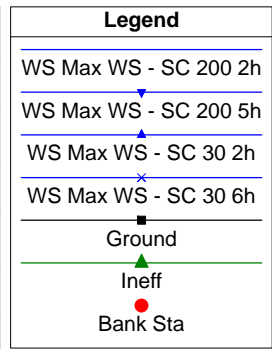
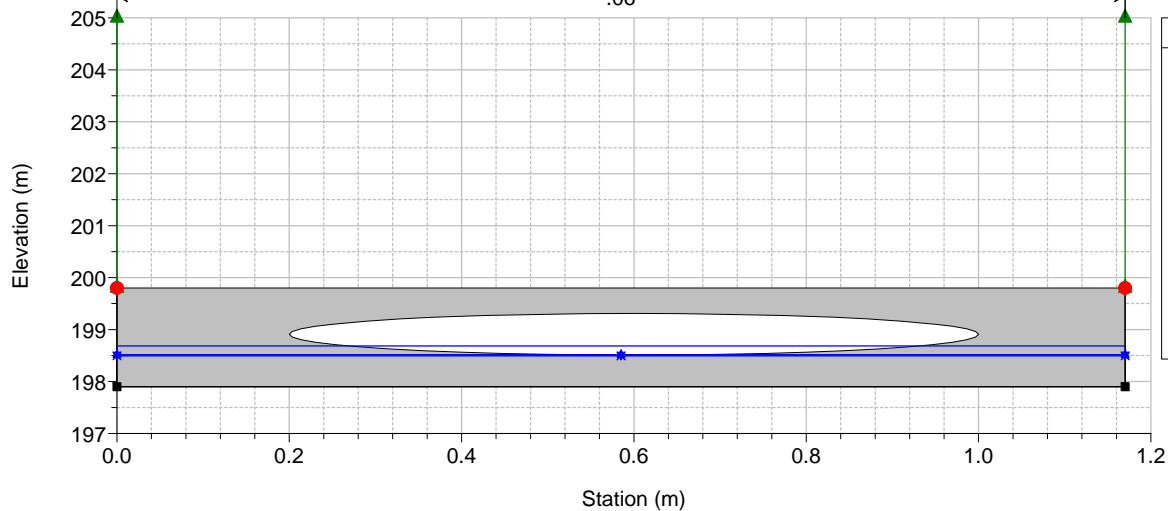


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F. sso del Busso Reach = Doccino RS = 1.5 Culv

.06

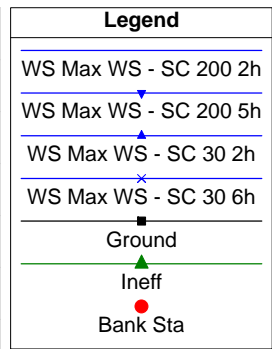
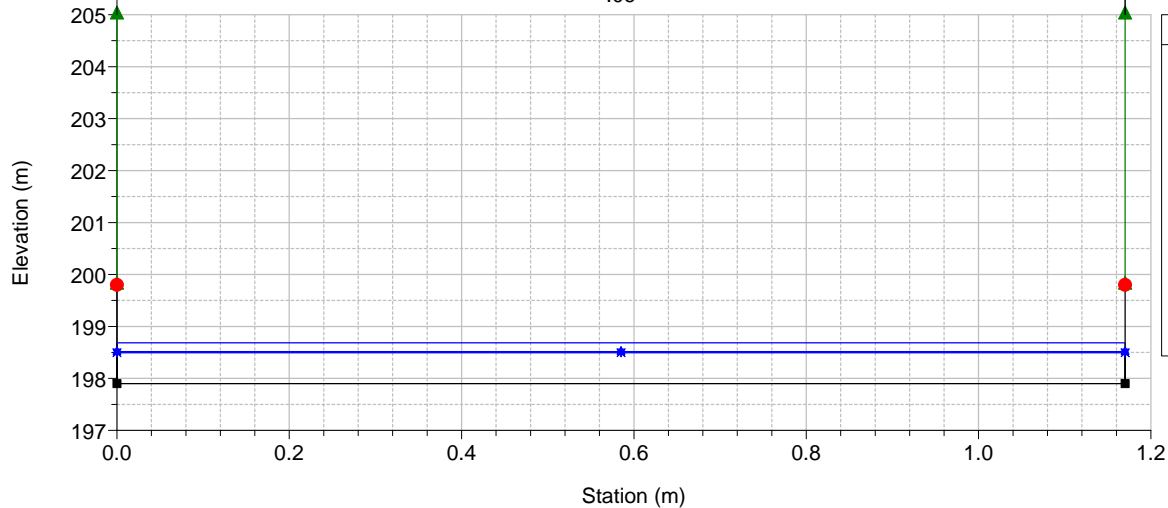


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F. sso del Busso Reach = Doccino RS = 1

.06

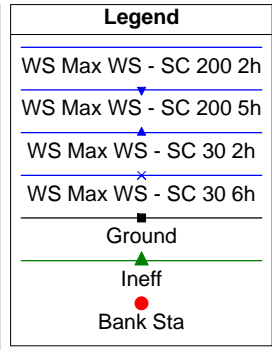
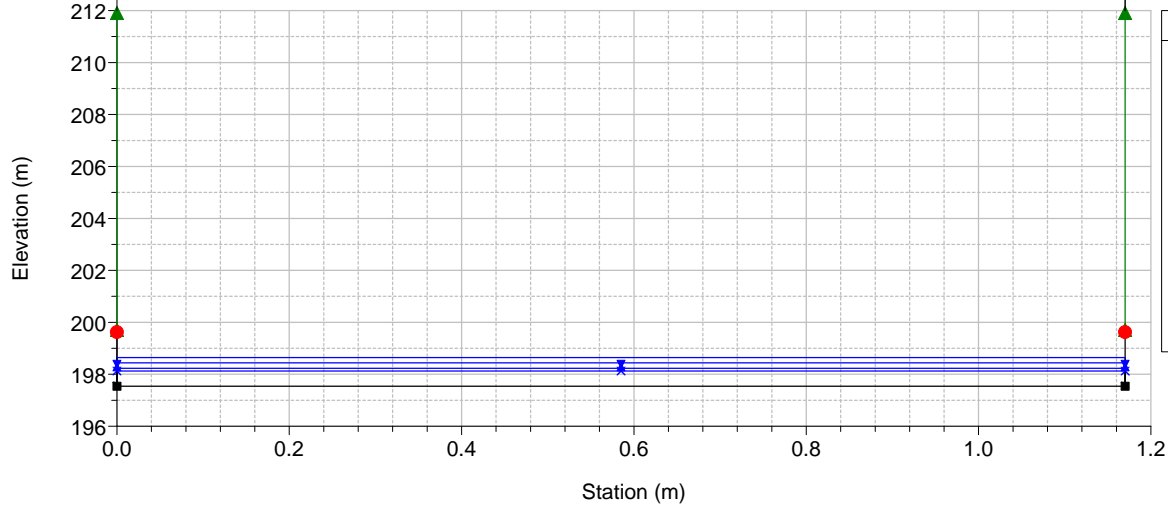


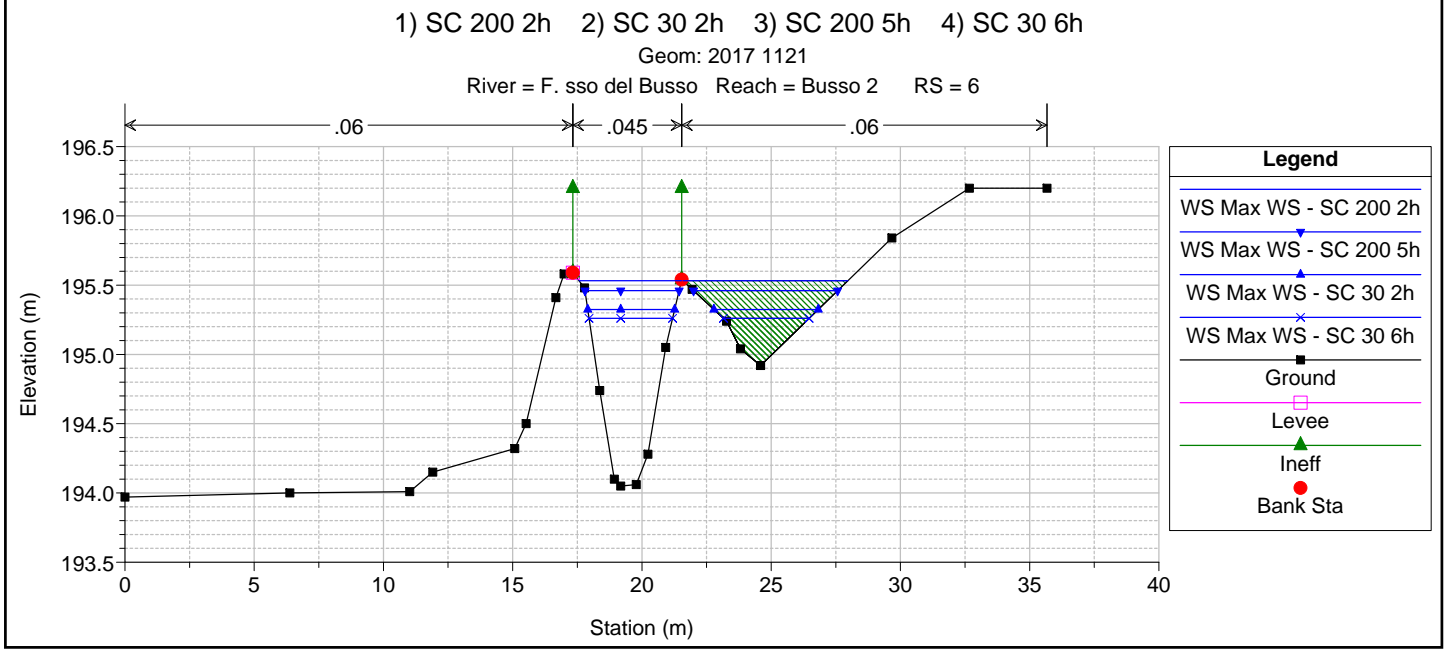
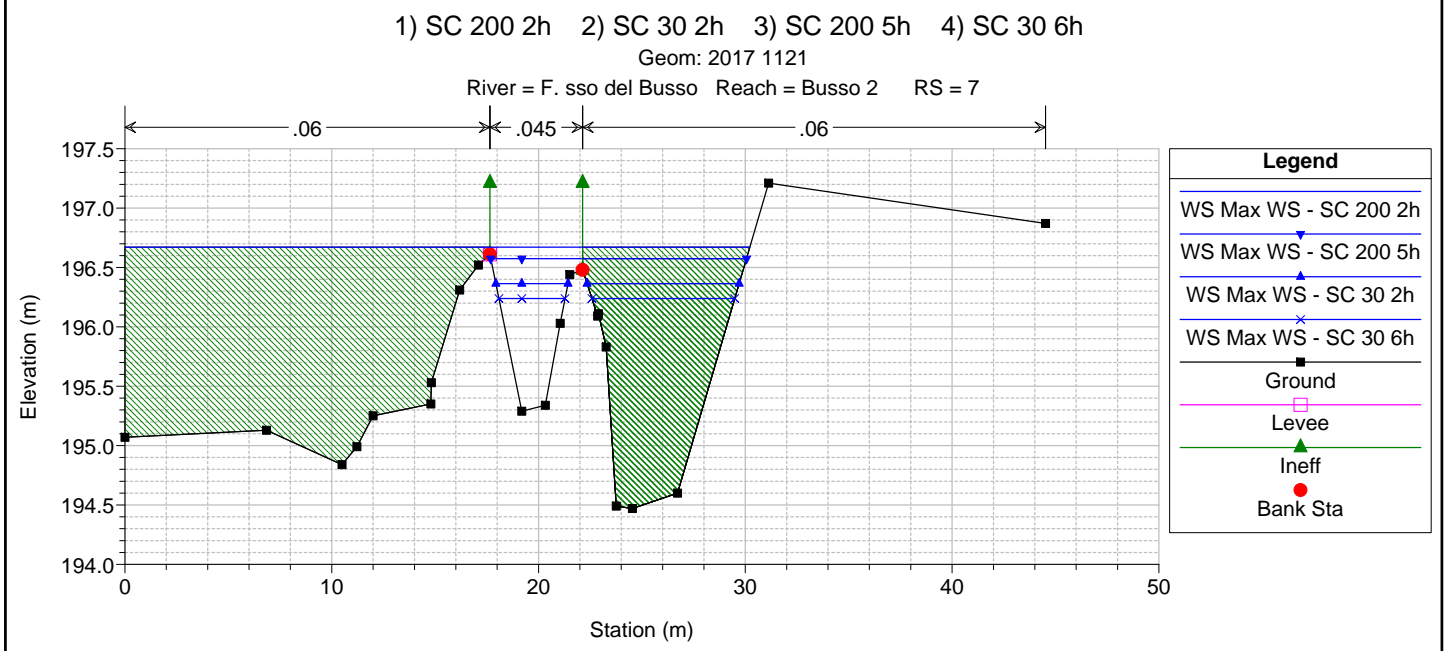
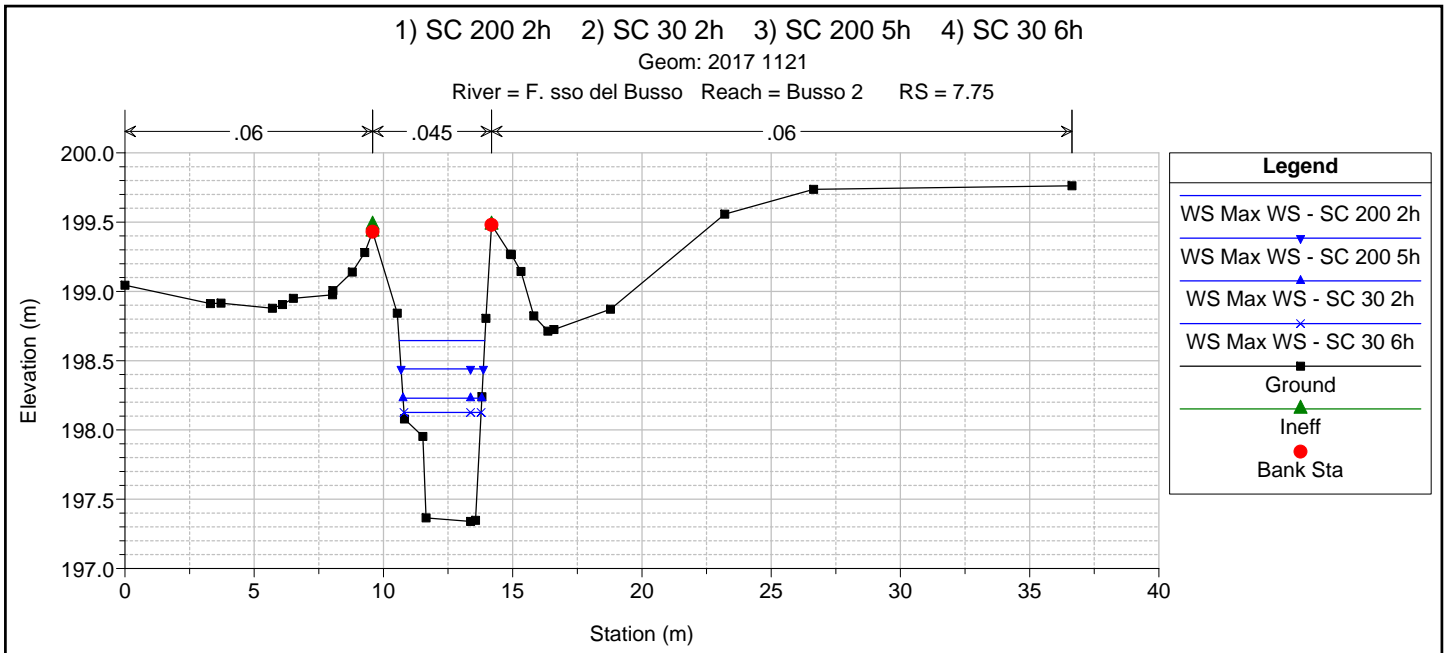
1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F. sso del Busso Reach = Doccino RS = 0.5

.06

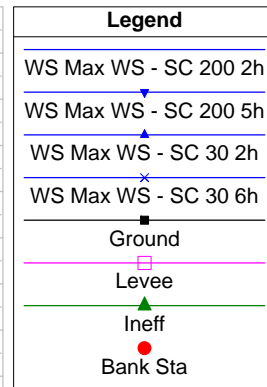
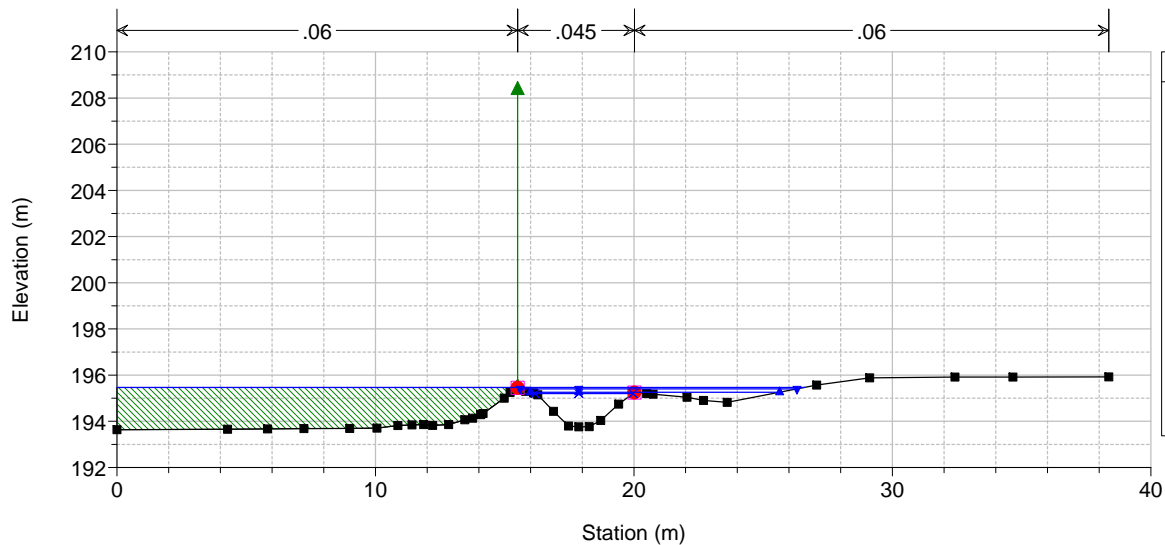




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

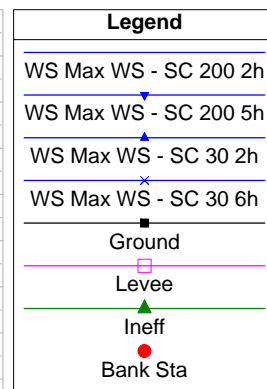
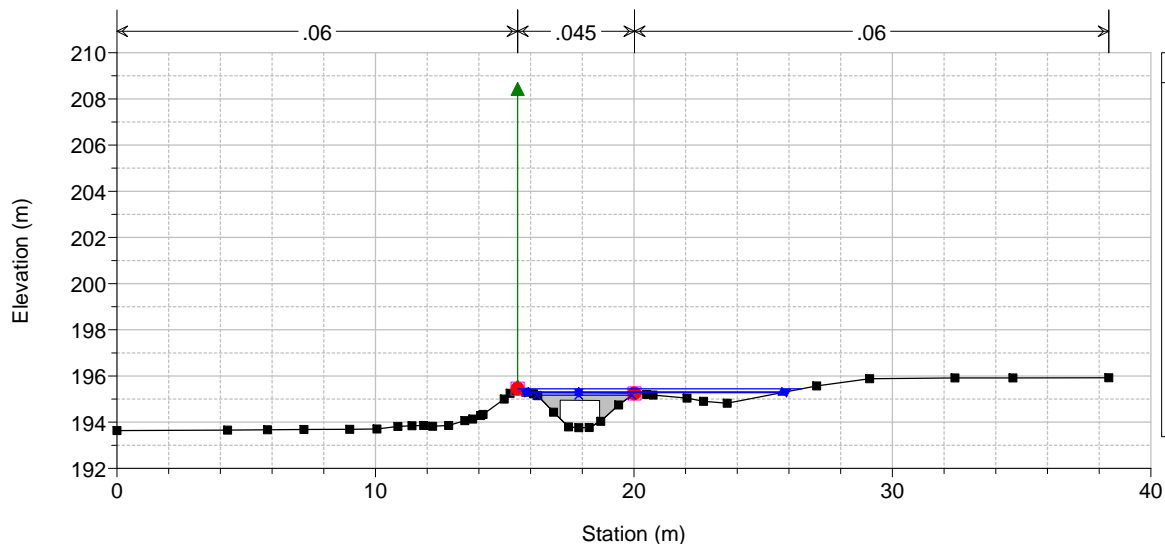
River = F. sso del Busso Reach = Busso 2 RS = 5.6



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

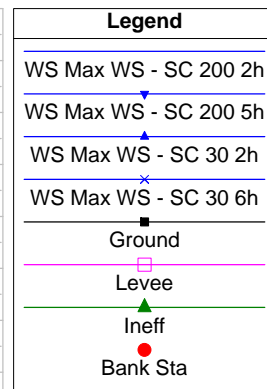
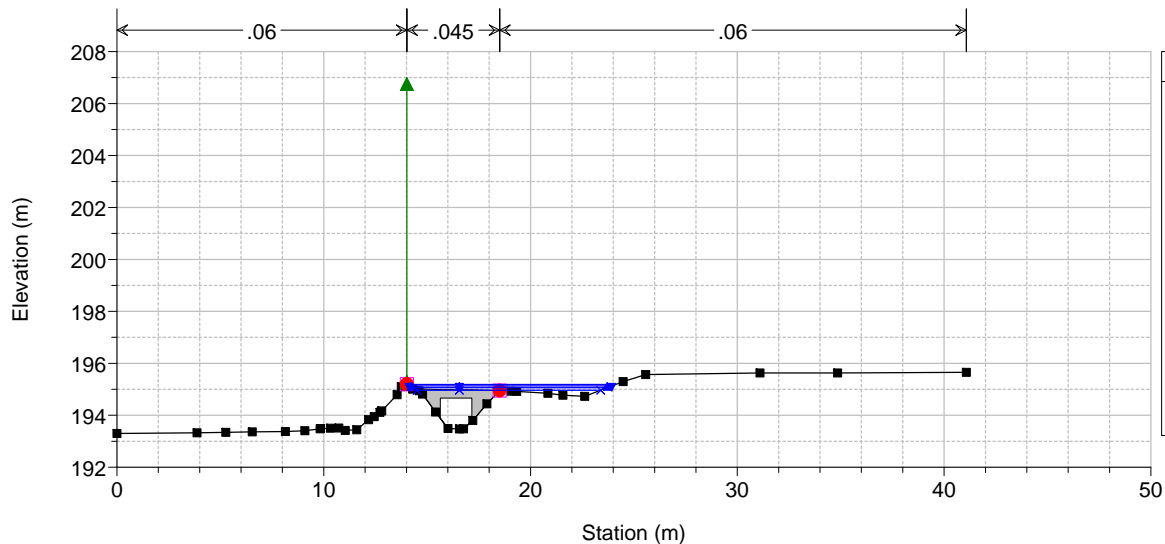
River = F. sso del Busso Reach = Busso 2 RS = 5.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

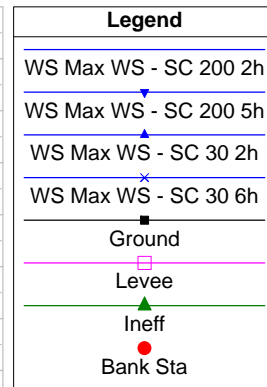
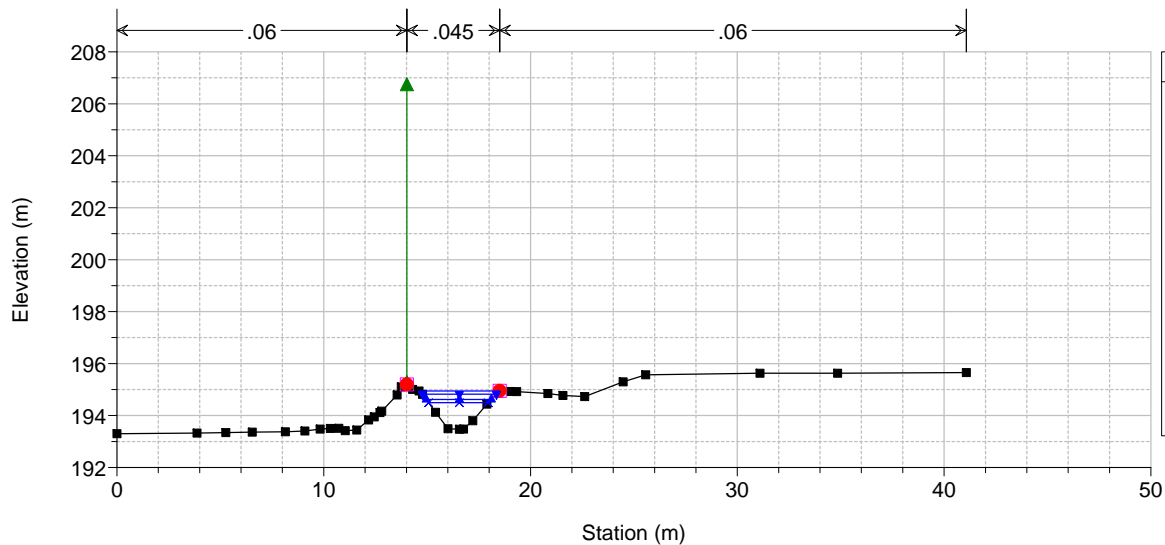
River = F. sso del Busso Reach = Busso 2 RS = 5.5 BR



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

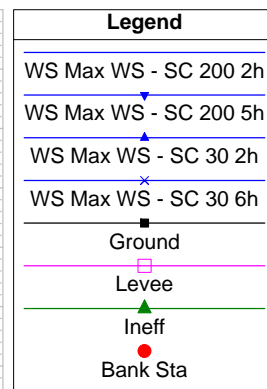
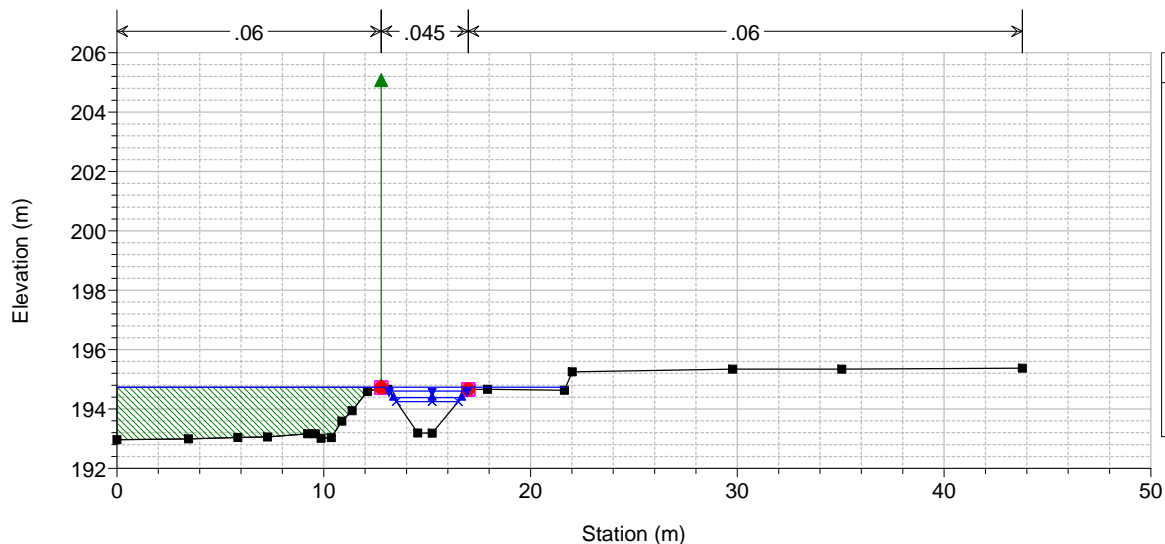
River = F. sso del Busso Reach = Busso 2 RS = 5.3



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

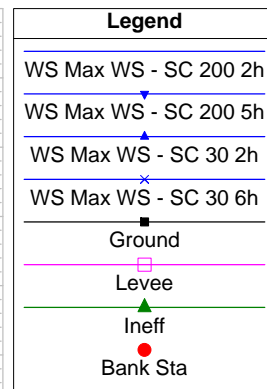
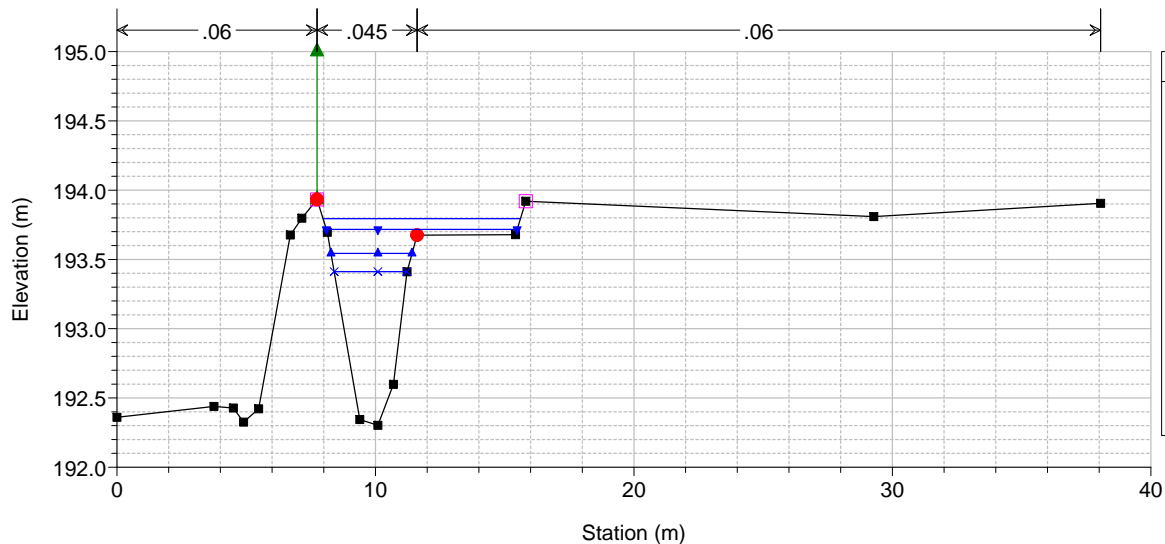
River = F. sso del Busso Reach = Busso 2 RS = 5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

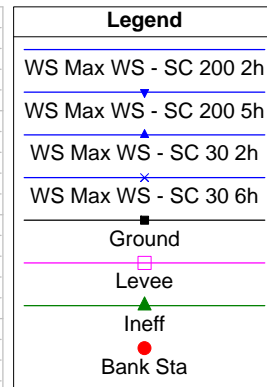
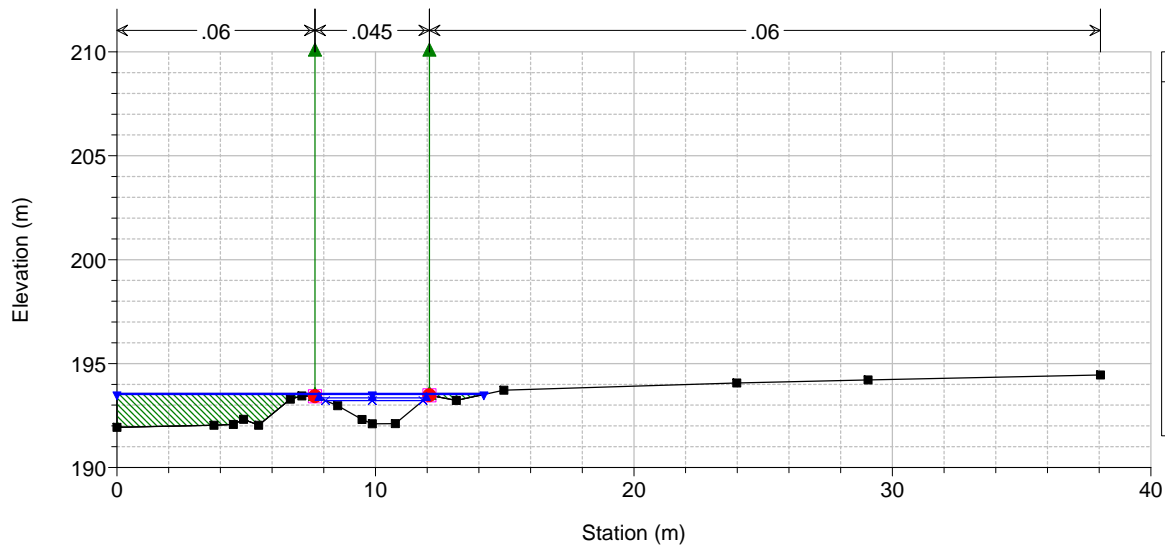
River = F. sso del Busso Reach = Busso 2 RS = 4



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

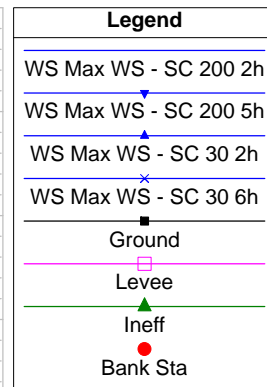
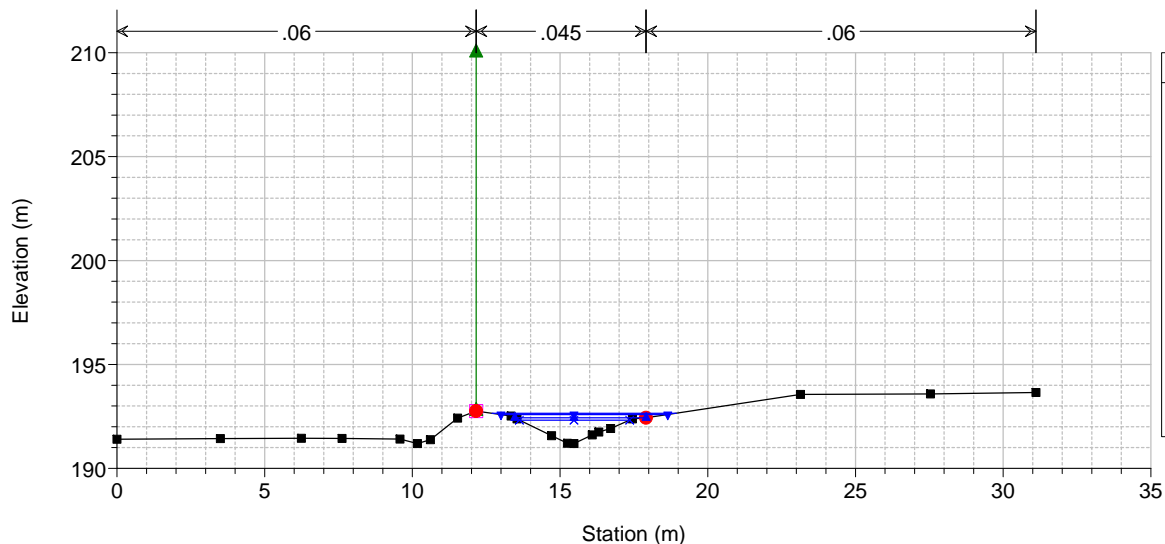
River = F. sso del Busso Reach = Busso 2 RS = 3



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

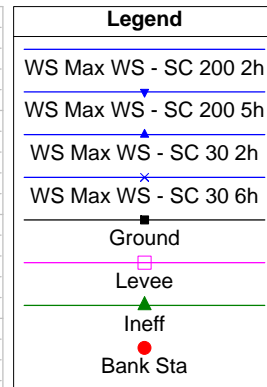
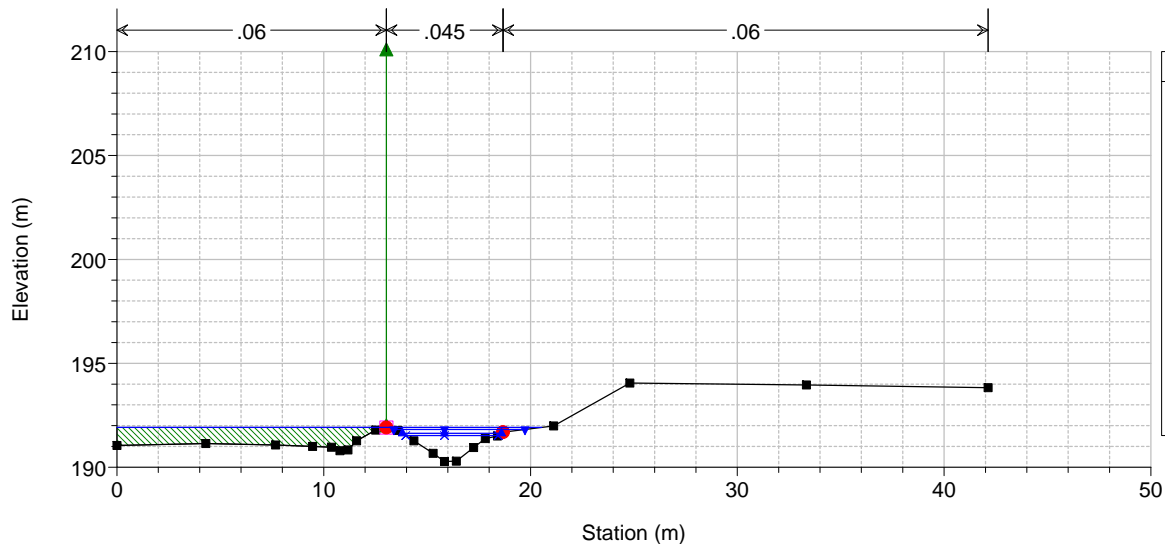
River = F. sso del Busso Reach = Busso 2 RS = 2

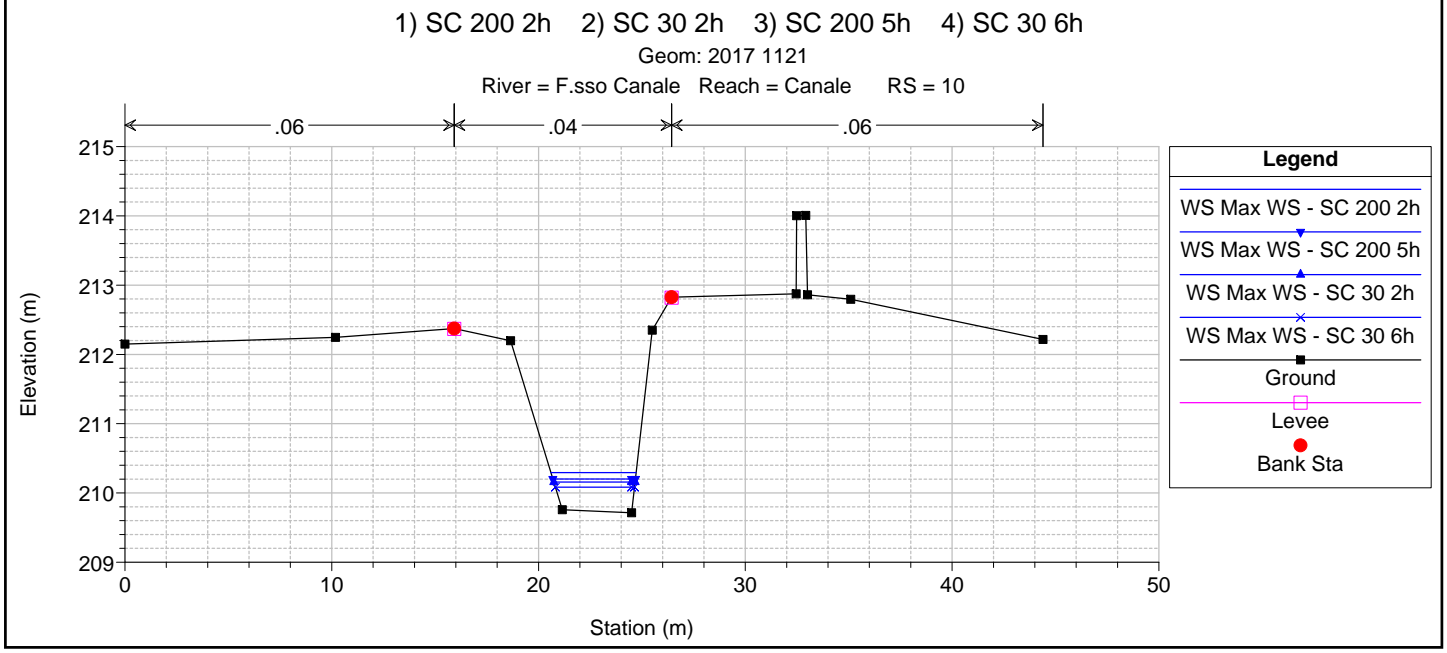
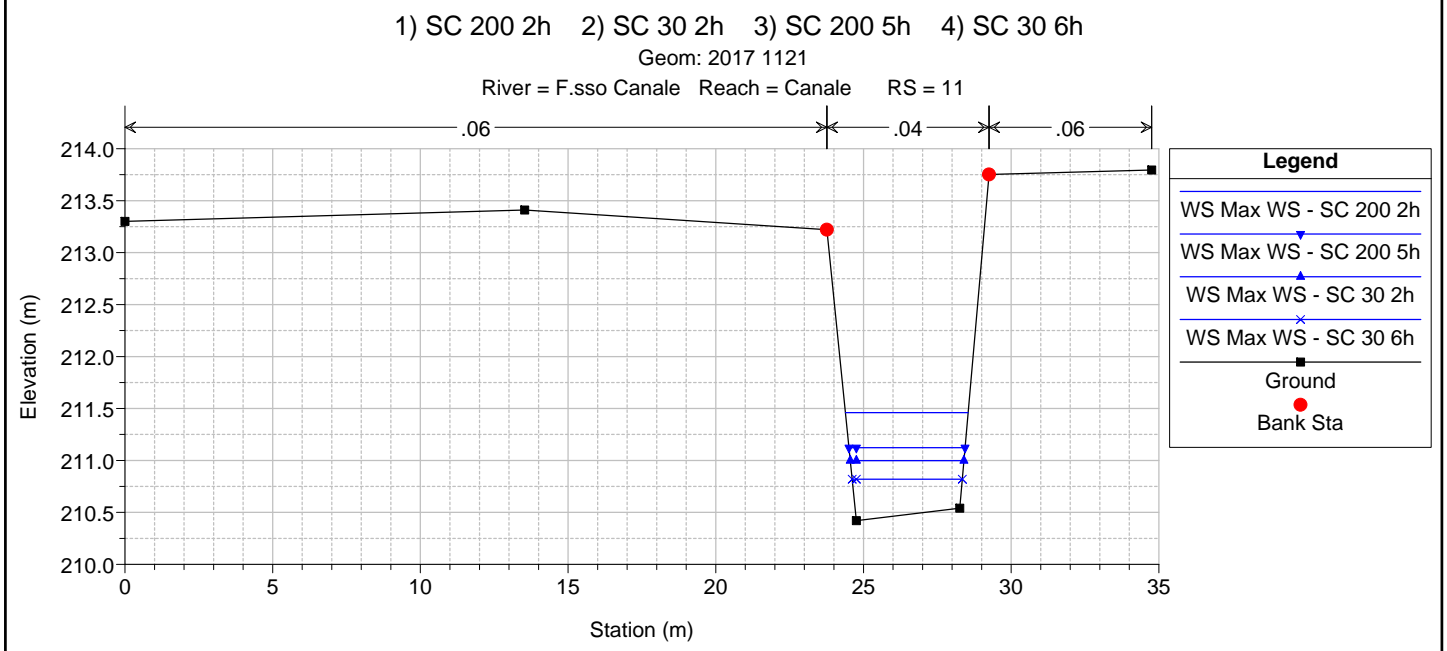
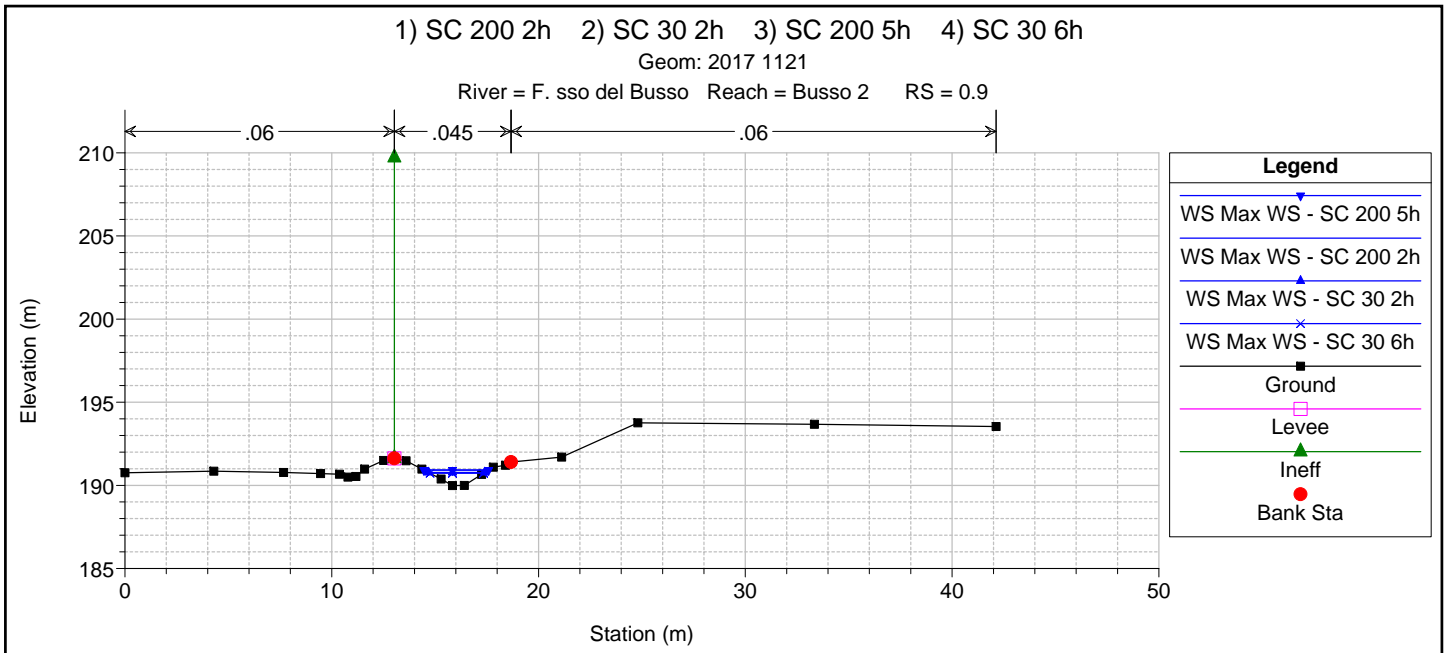


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F. sso del Busso Reach = Busso 2 RS = 1

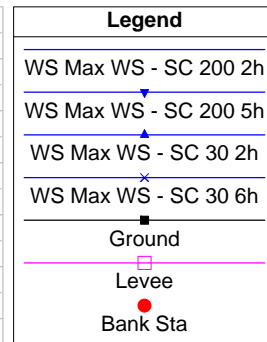
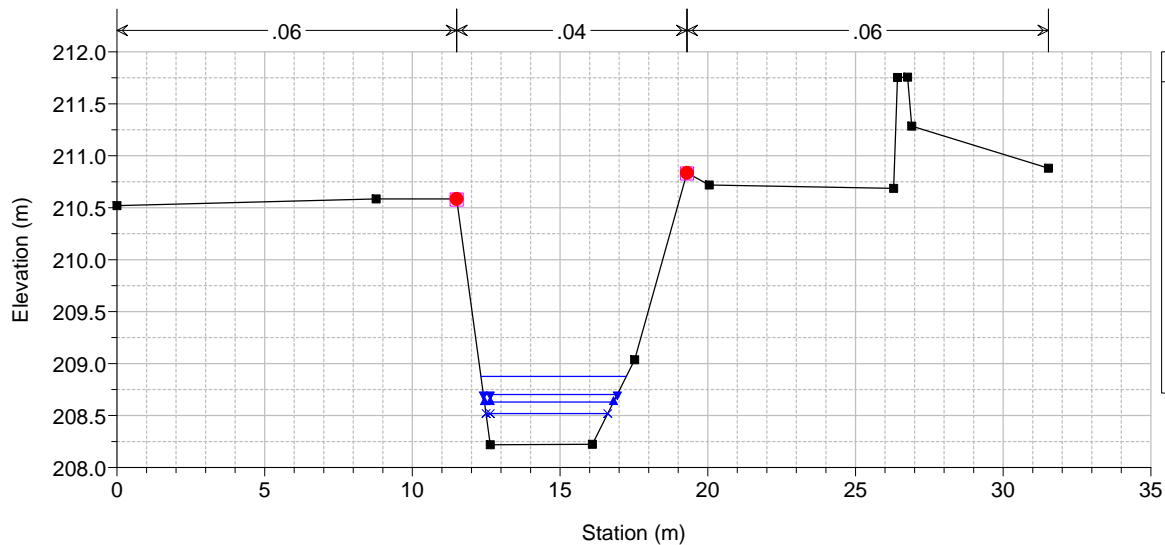




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

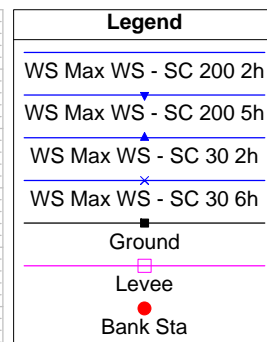
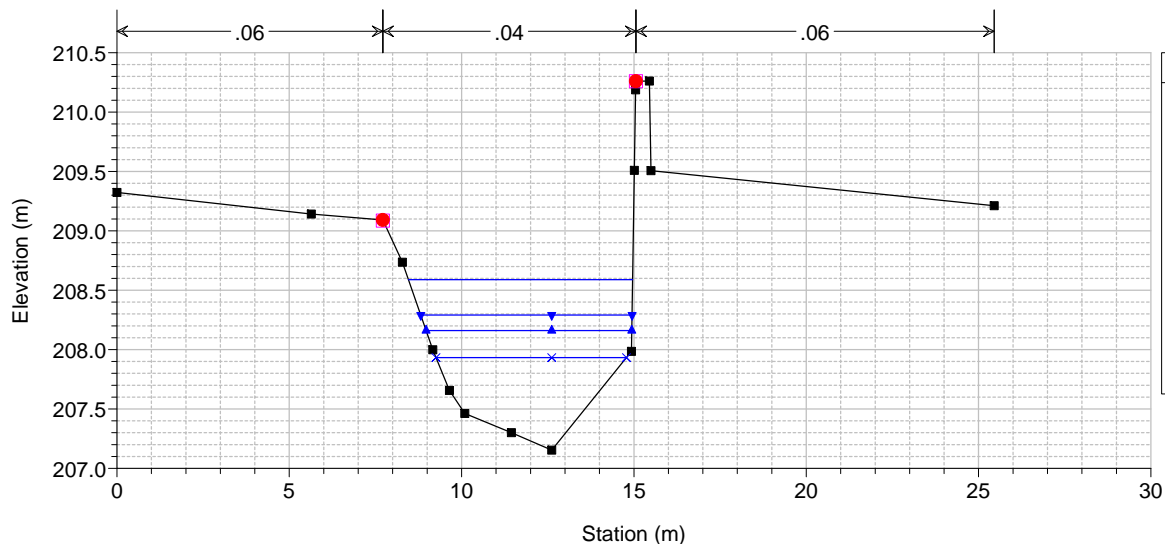
River = F.sso Canale Reach = Canale RS = 9



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

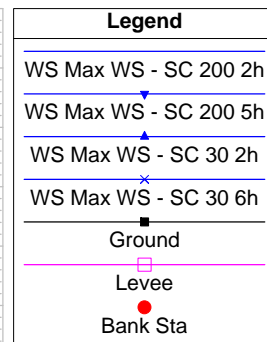
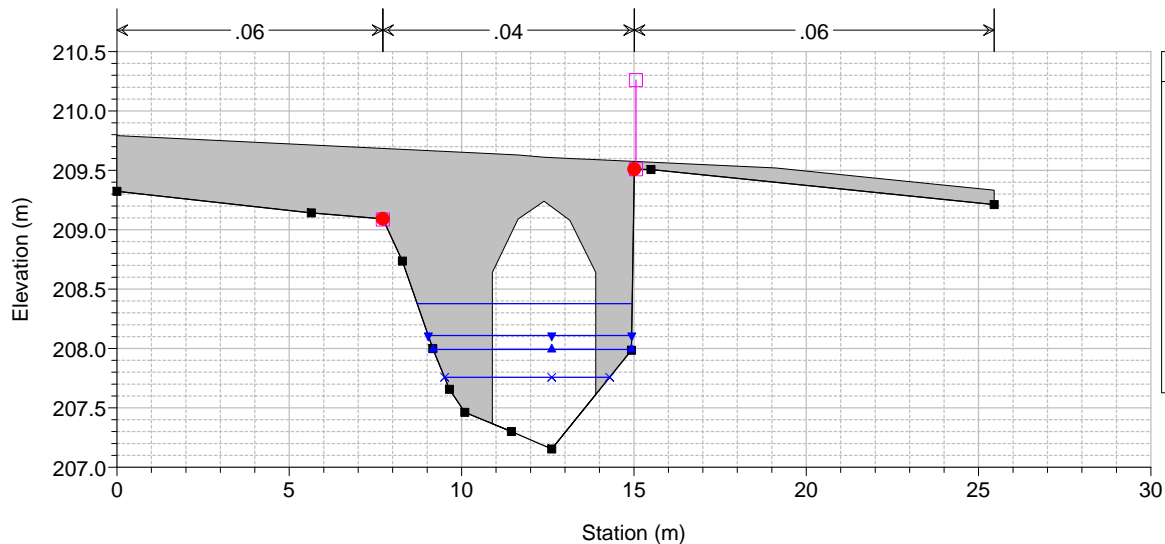
River = F.sso Canale Reach = Canale RS = 8

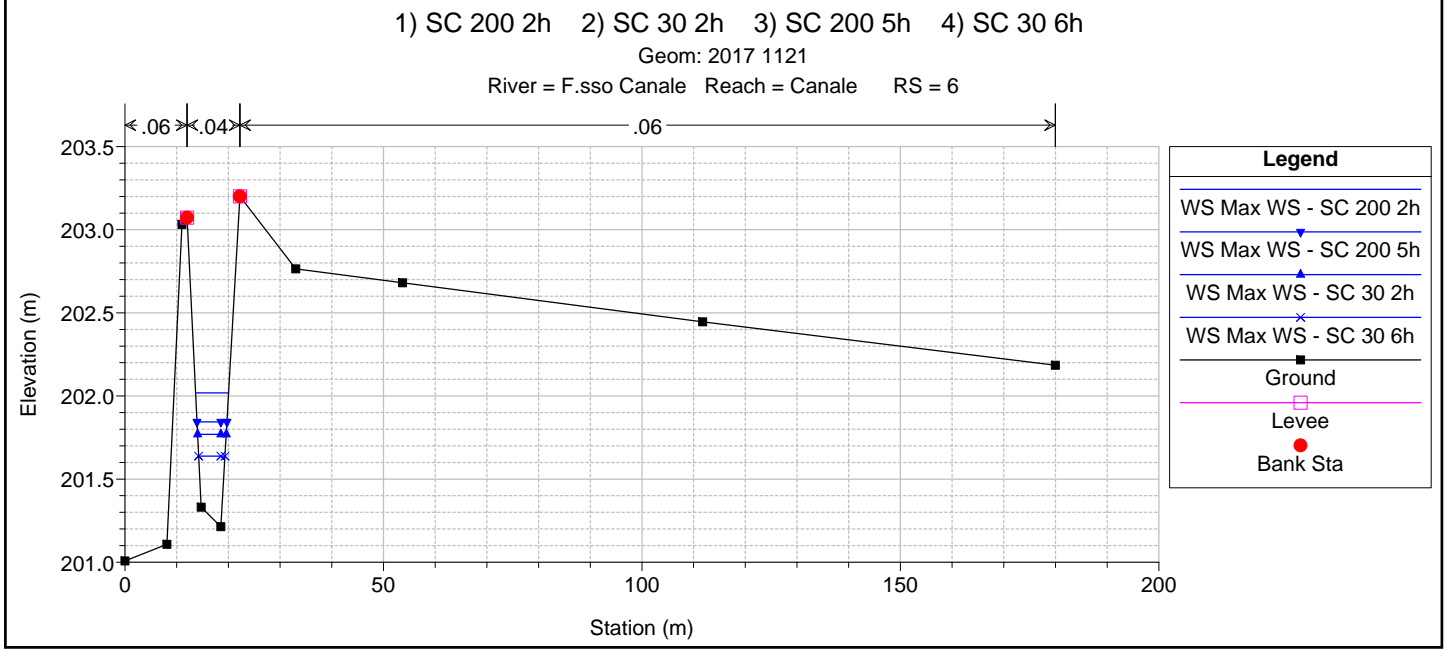
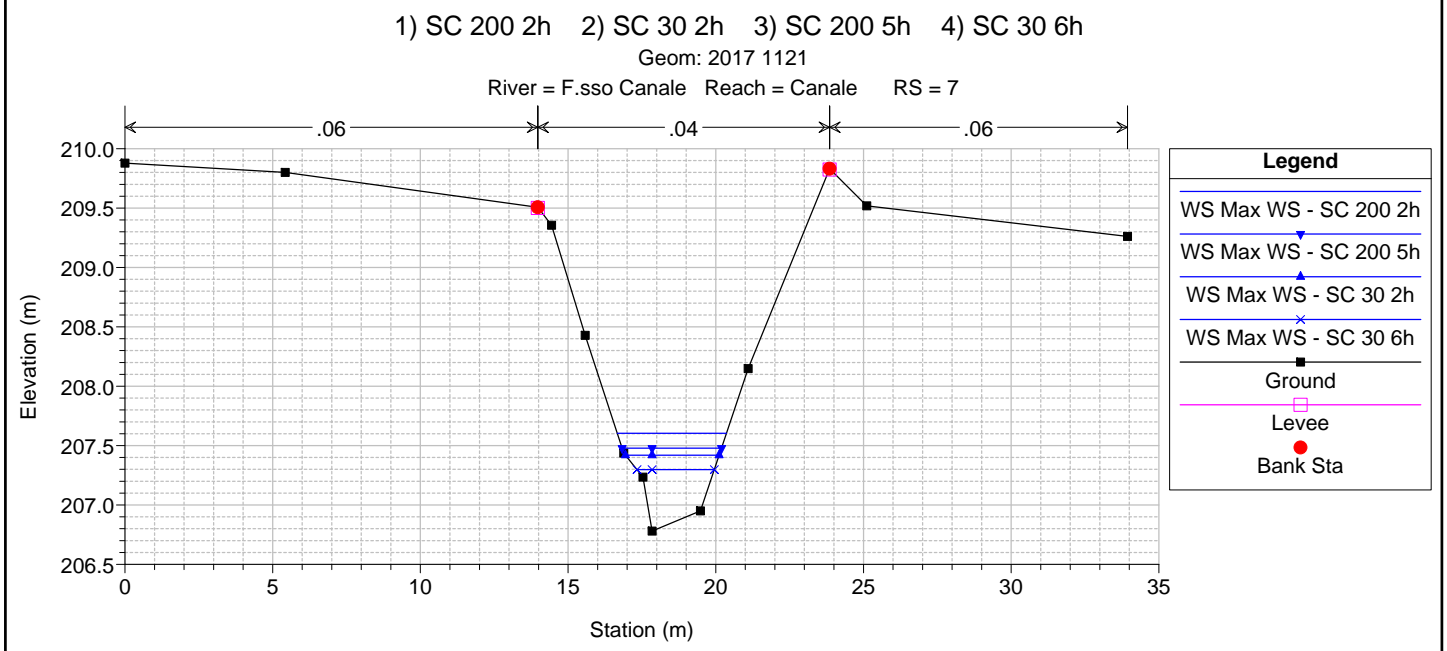
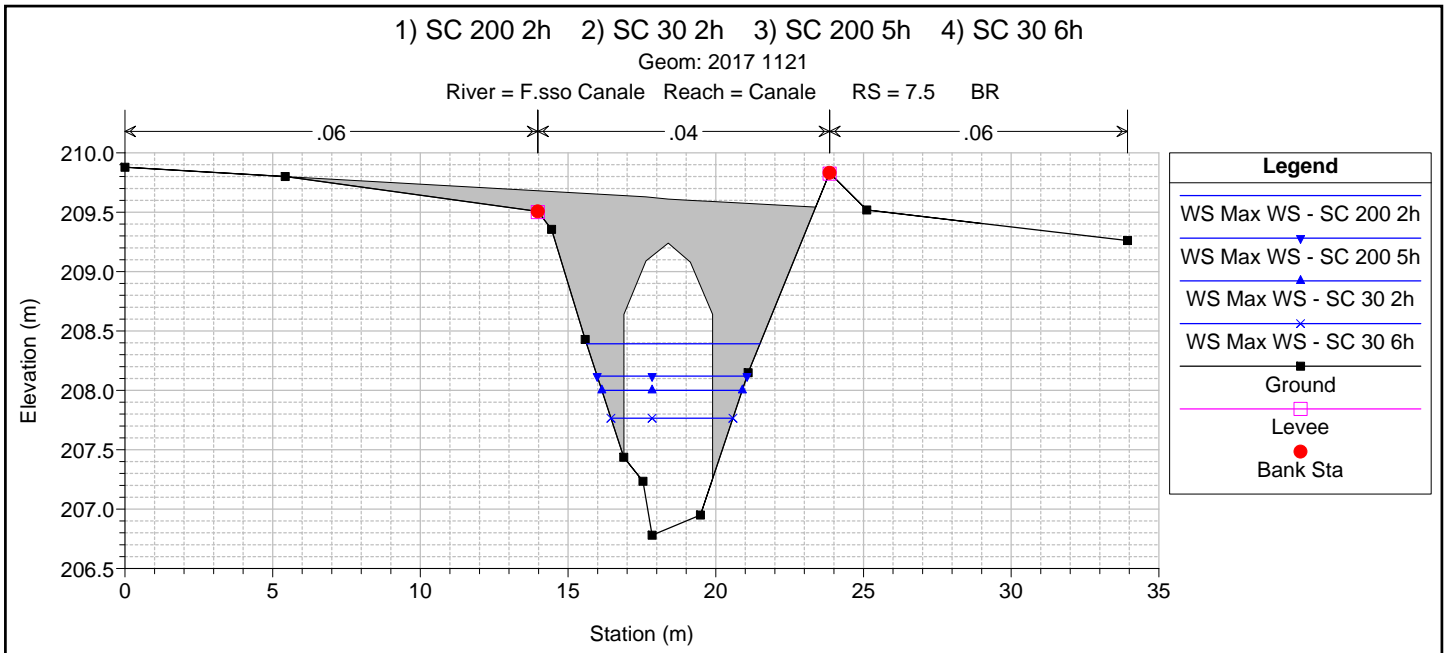


1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

River = F.sso Canale Reach = Canale RS = 7.5 BR

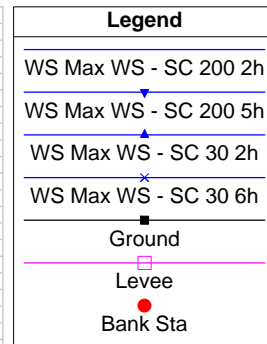
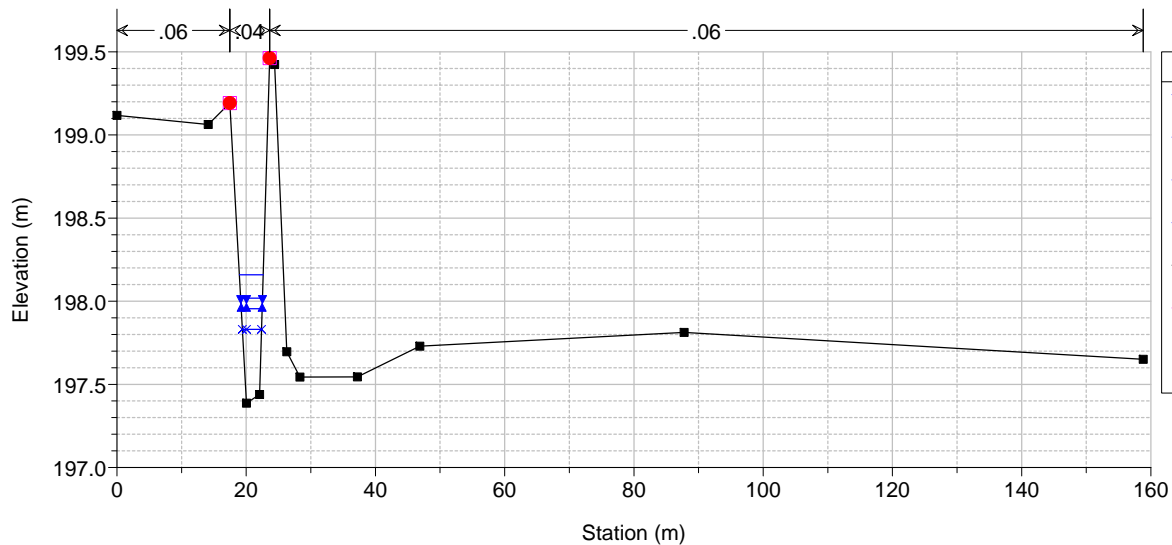




1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

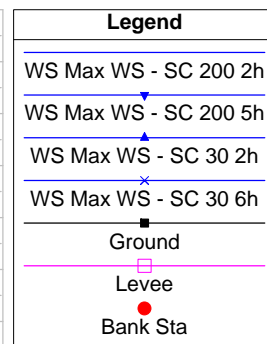
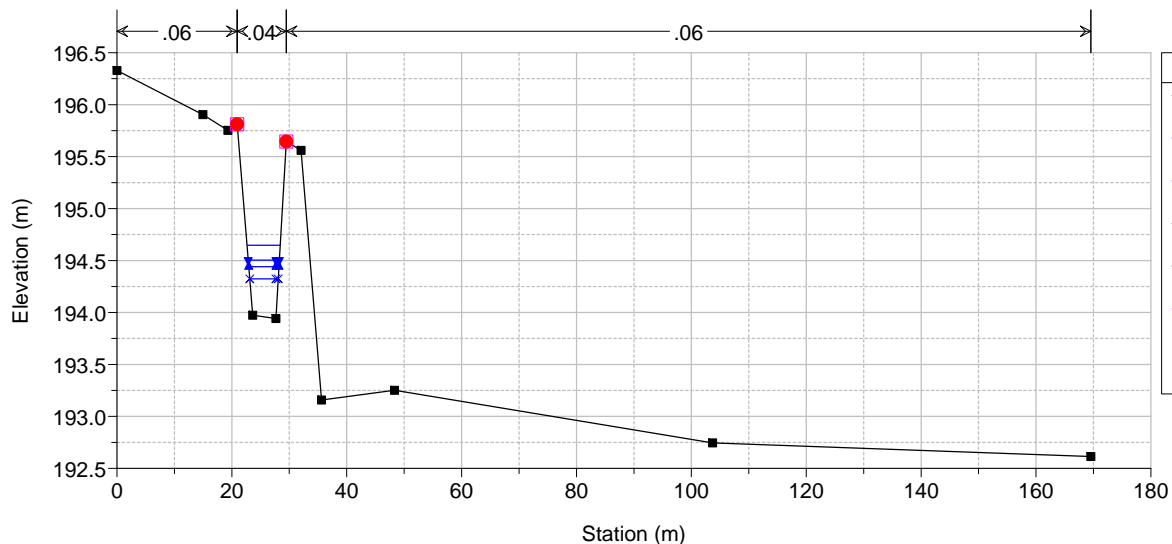
River = F.sso Canale Reach = Canale RS = 5



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

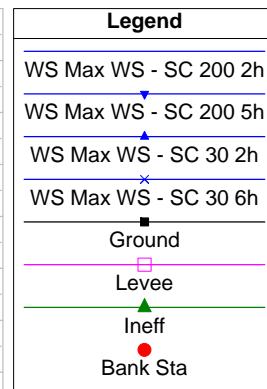
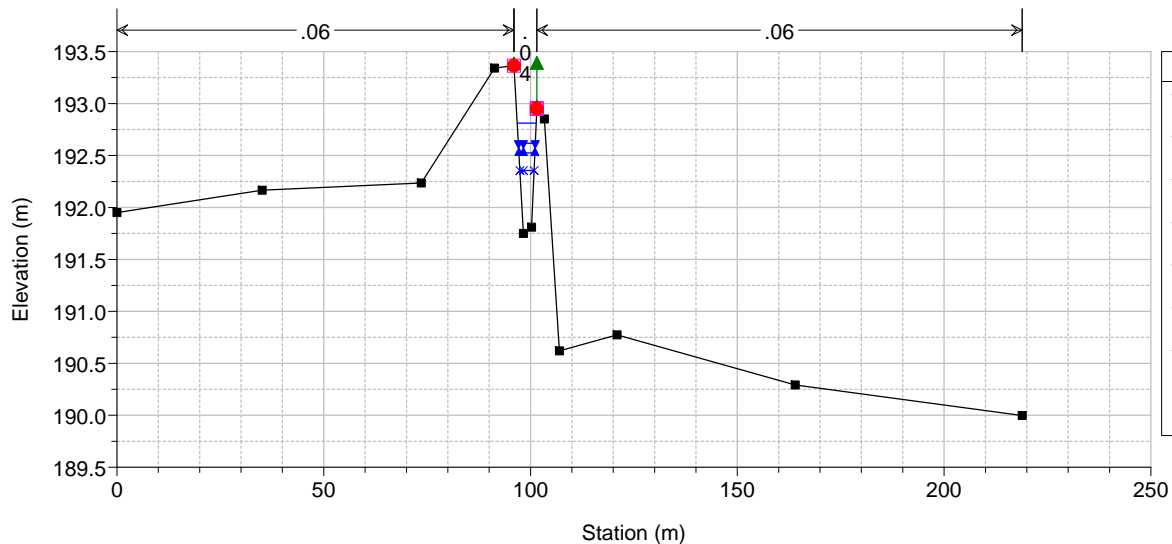
River = F.sso Canale Reach = Canale RS = 4



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

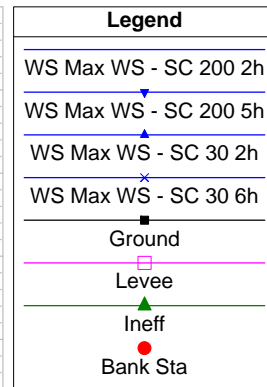
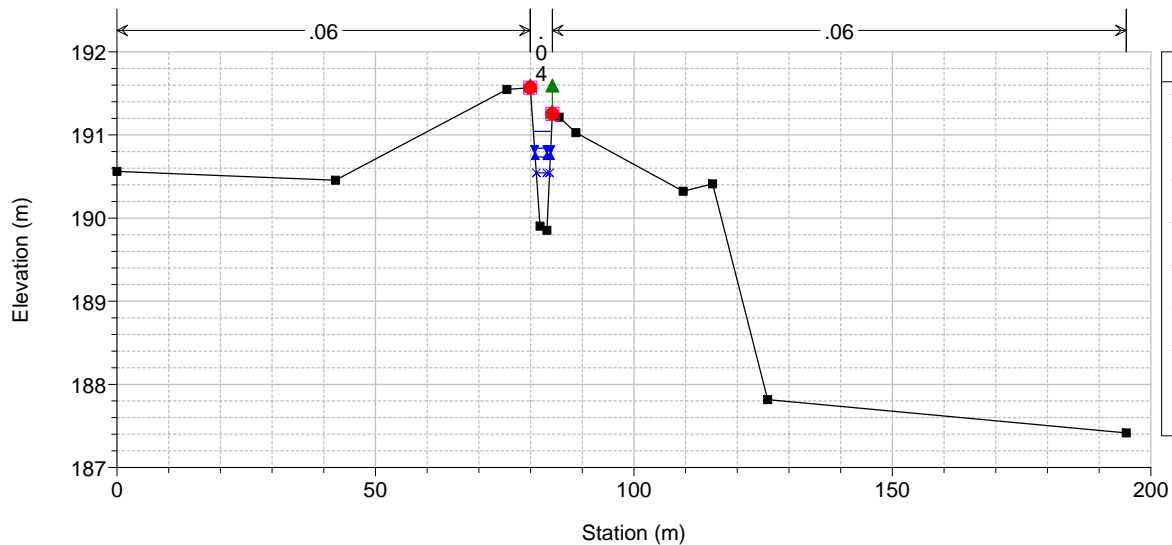
River = F.sso Canale Reach = Canale RS = 3



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

Geom: 2017 1121

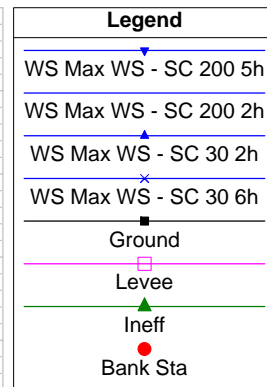
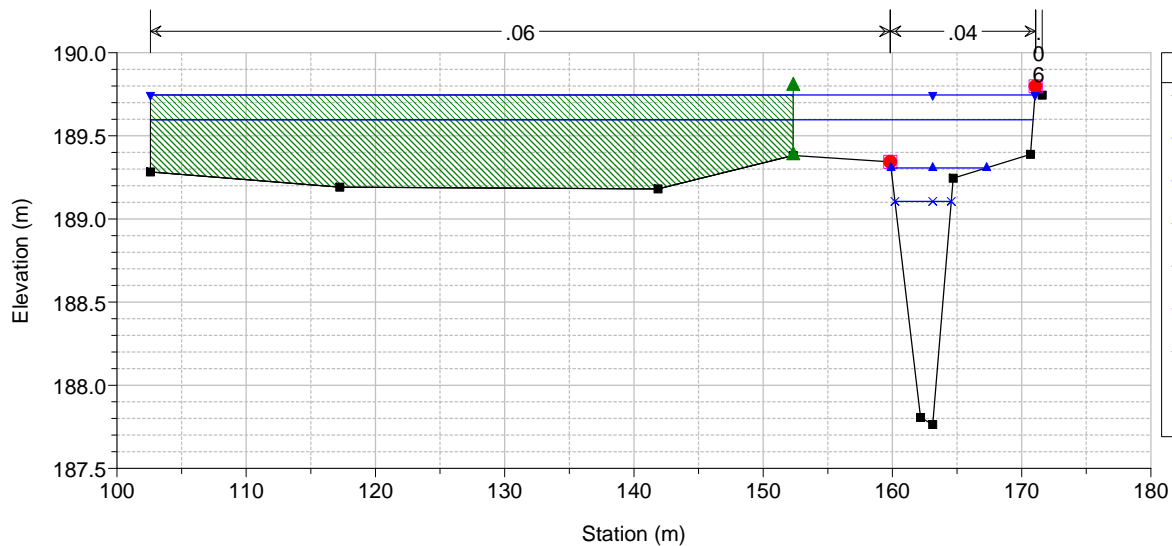
River = F.sso Canale Reach = Canale RS = 2



1) SC 200 2h 2) SC 30 2h 3) SC 200 5h 4) SC 30 6h

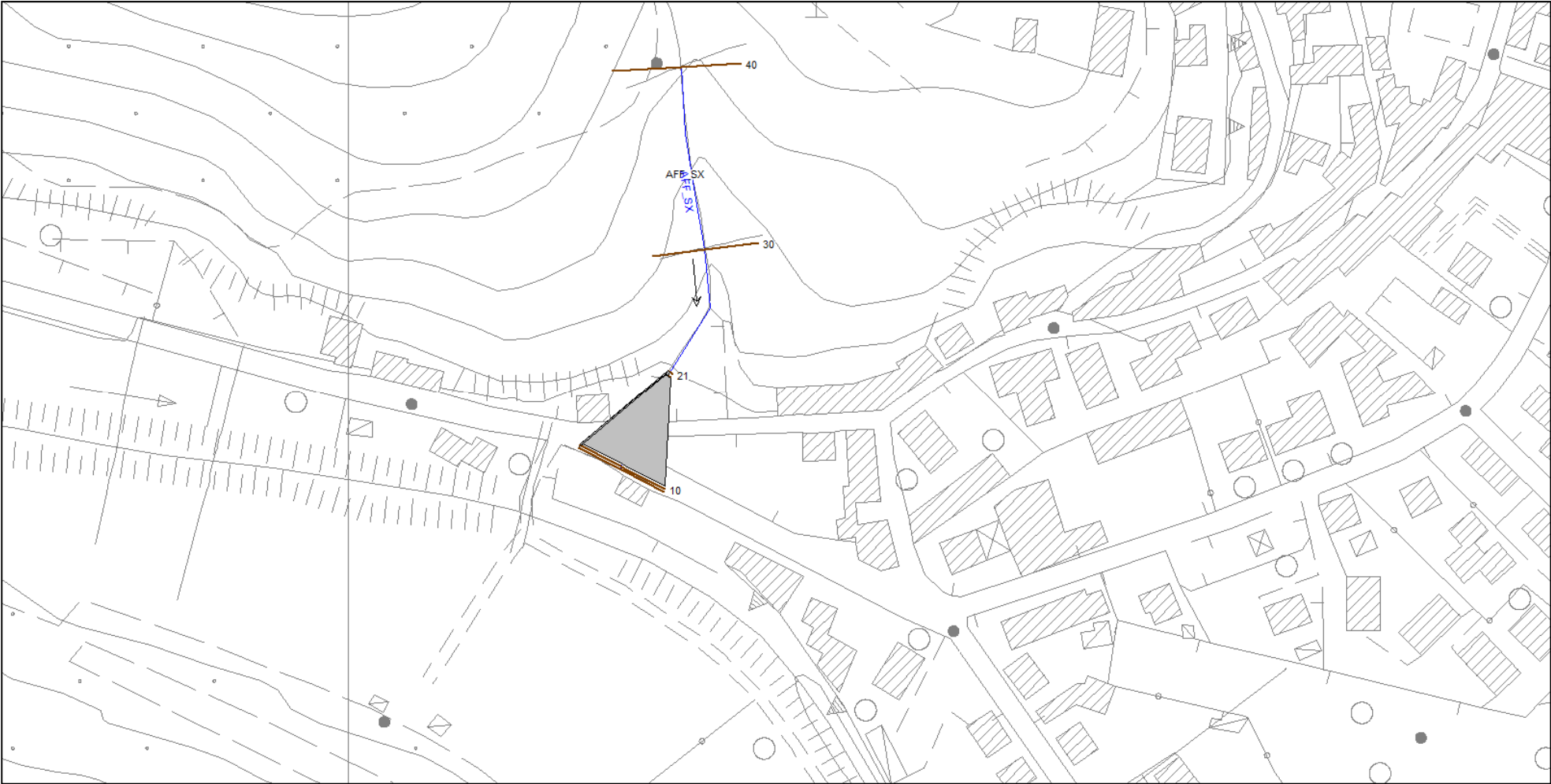
Geom: 2017 1121

River = F.sso Canale Reach = Canale RS = 1



ALLEGATI DI CALCOLO APPLICATIVO HEC RAS -

Affluente di Sinistra T. Rosia



HEC-RAS Plan: MP SA River: AFF_SX Reach: AFF_SX

Reach	River Sta	Profile	Q Total (m3/s)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
AFF_SX	40	TR30	0.41		0.41		239.68	239.88	239.95	240.11	0.270091	2.14	2.14	0.19	1.48	1.90	1.90
AFF_SX	40	TR200	0.92		0.92		239.68	239.97	240.09	240.34	0.270327	2.71	2.71	0.34	1.82	2.00	2.00
AFF_SX	30	TR30	0.41		0.41		221.14	221.33	221.40	221.53	0.274851	1.99	1.99	0.21	1.86	1.90	1.90
AFF_SX	30	TR200	0.92		0.92		221.14	221.41	221.51	221.72	0.275618	2.47	2.47	0.37	2.41	2.01	2.01
AFF_SX	21	TR30	0.41		0.41		206.00	206.61	206.26	206.62	0.009044	0.58	0.58	0.71	2.16	0.32	0.32
AFF_SX	21	TR200	0.92		0.92		206.00	206.93	206.43	206.95	0.005683	0.65	0.65	1.43	2.21	0.26	0.26
AFF_SX	20.5		Lat Struct														
AFF_SX	20	TR30	0.41		0.41		206.00	206.59	206.26	206.61	0.009998	0.61	0.61	0.67	2.05	0.34	0.34
AFF_SX	20	TR200	0.84		0.84		206.00	206.93	206.41	206.95	0.004907	0.60	0.60	1.41	2.21	0.24	0.24
AFF_SX	15		Culvert														
AFF_SX	10	TR30	0.41		0.41		204.12	204.35	204.35	204.46	0.034874	1.43	1.43	0.29	1.38	1.00	1.00
AFF_SX	10	TR200	0.84		0.84		204.12	204.54	204.48	204.66	0.022554	1.55	1.55	0.55	1.46	0.81	0.81
AFF_SX	9	TR30	0.41		0.41		204.07	204.28	204.30	204.41	0.050278	1.62	1.62	0.25	1.38	1.20	1.20
AFF_SX	9	TR200	0.92		0.92		204.07	204.47	204.46	204.63	0.030006	1.75	1.75	0.52	1.45	0.93	0.93

HEC-RAS Plan: MP SA River: AFF_SX Reach: AFF_SX

Reach	River Sta	Profile	Q Total (m3/s)	Q Culv Group (m3/s)	Q Weir (m3/s)	Culv Inv El Up (m)	Min El Weir Flow (m)	W.S. US. (m)	E.G. US. (m)	E.G. IC (m)	E.G. OC (m)	Culv Vel US (m/s)
AFF_SX	15	TR30	0.41	0.41		206.00	209.30	206.59	206.61	206.54	206.61	1.71
AFF_SX	15	TR200	0.84	0.84		206.00	209.30	206.93	206.95	206.89	206.95	2.24

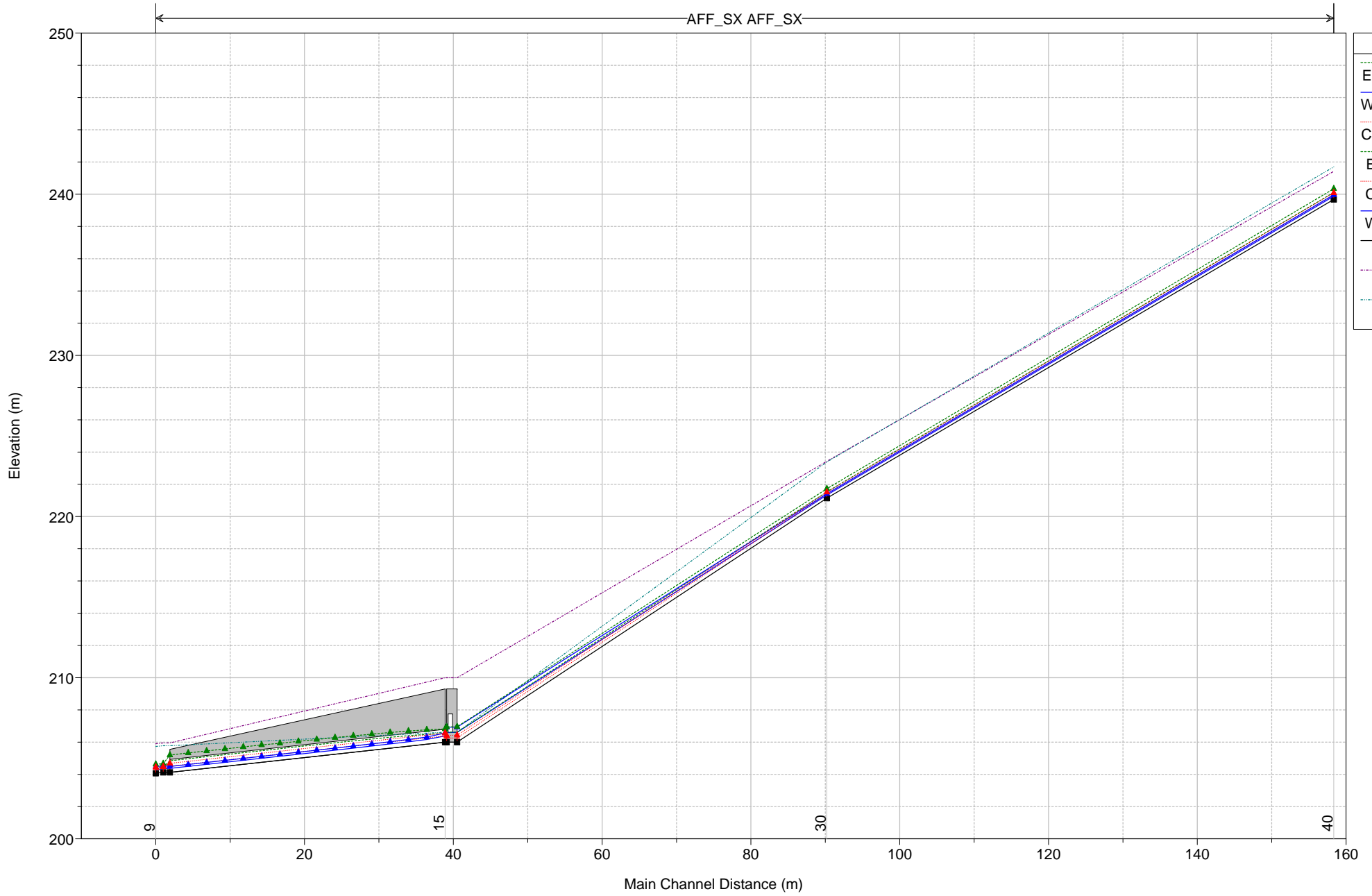
HEC-RAS Plan: MP SA River: AFF_SX Reach: AFF_SX

Reach	River Sta	Profile	Q US (m3/s)	Q Leaving Total (m3/s)	Q DS (m3/s)	Q Weir (m3/s)	Wr Top Width (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Min El Weir Flow (m)	E.G. US. (m)	W.S. US. (m)	E.G. DS (m)	W.S. DS (m)
AFF_SX	20.5	TR30	0.41	0.00	0.41	0.00				209.30	206.62	206.61	206.61	206.59
AFF_SX	20.5	TR200	0.92	0.08	0.84	0.00				209.30	206.95	206.93	206.95	206.93

MP SA

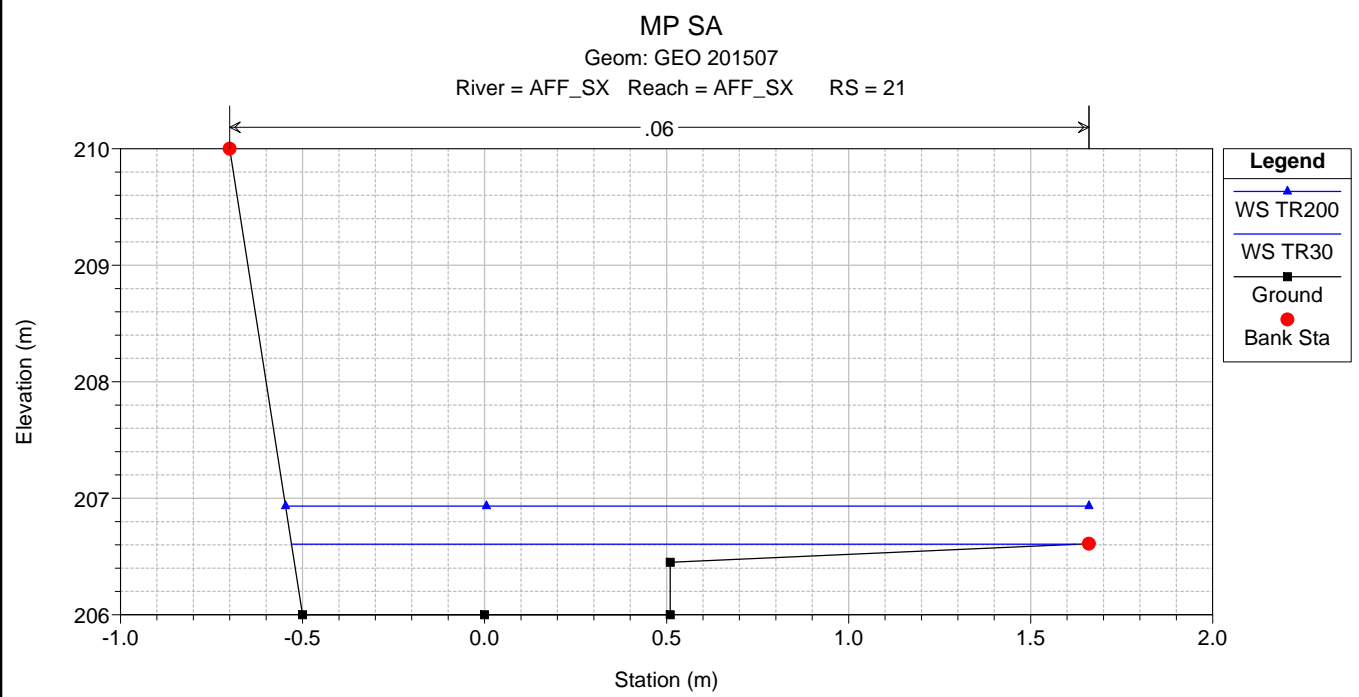
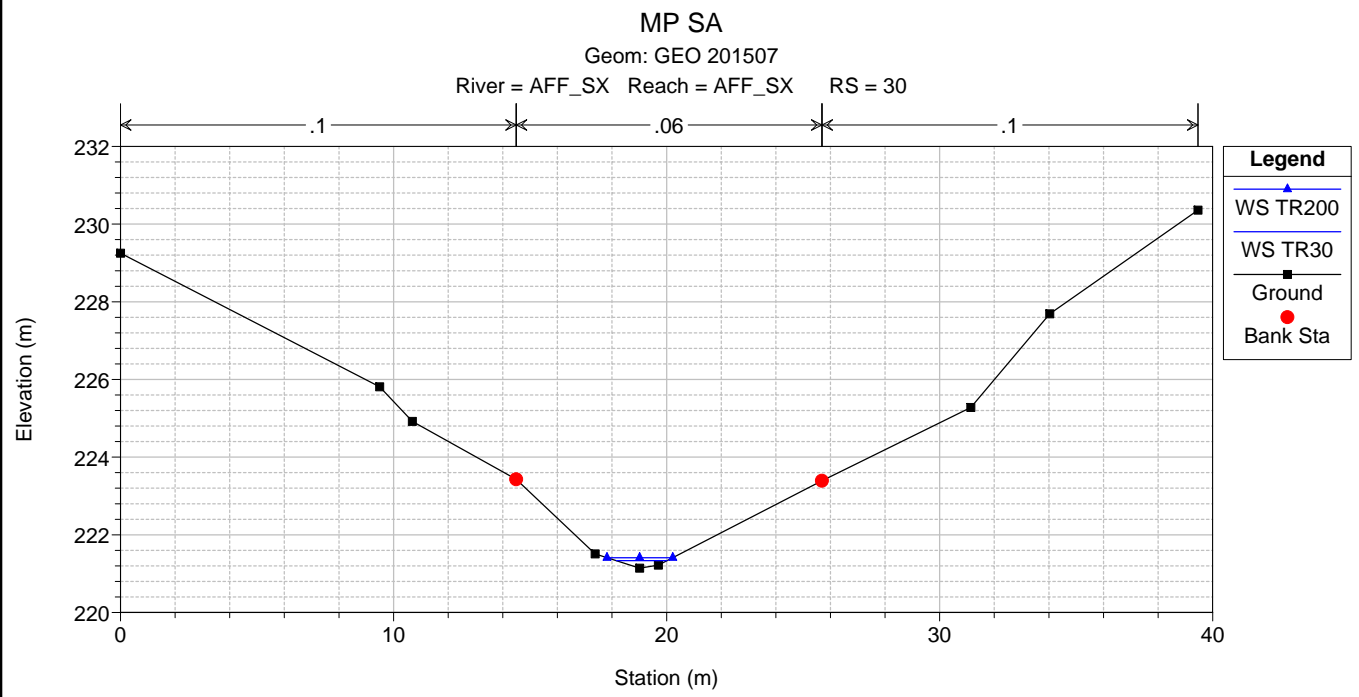
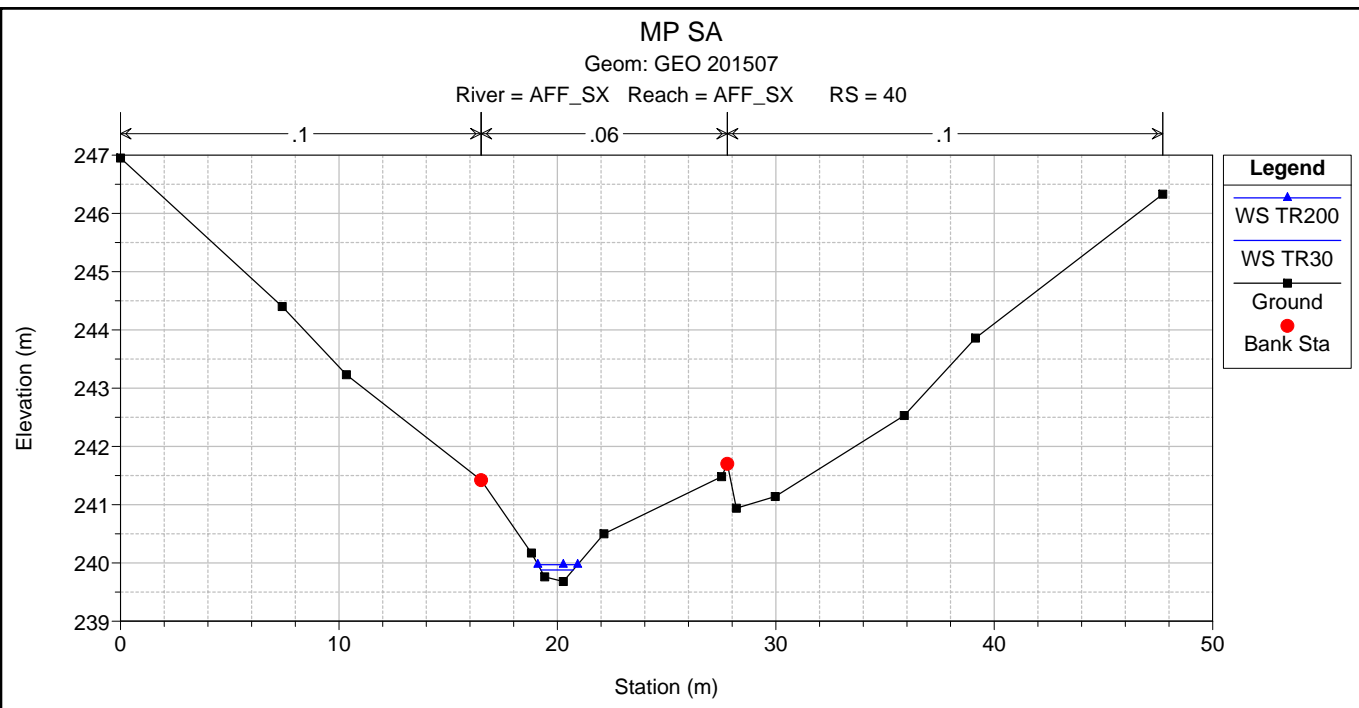
Geom: GEO 201507 Profilo Idraulico Affluente di Sinistra - laterale DX

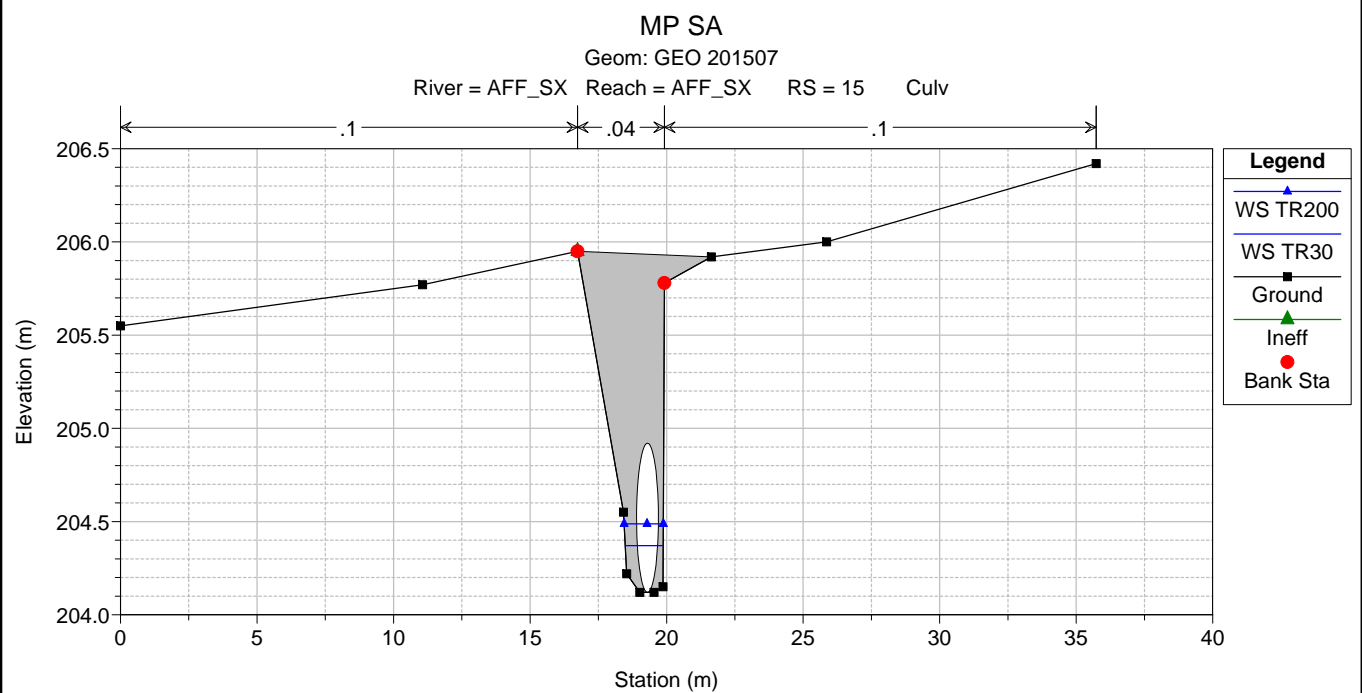
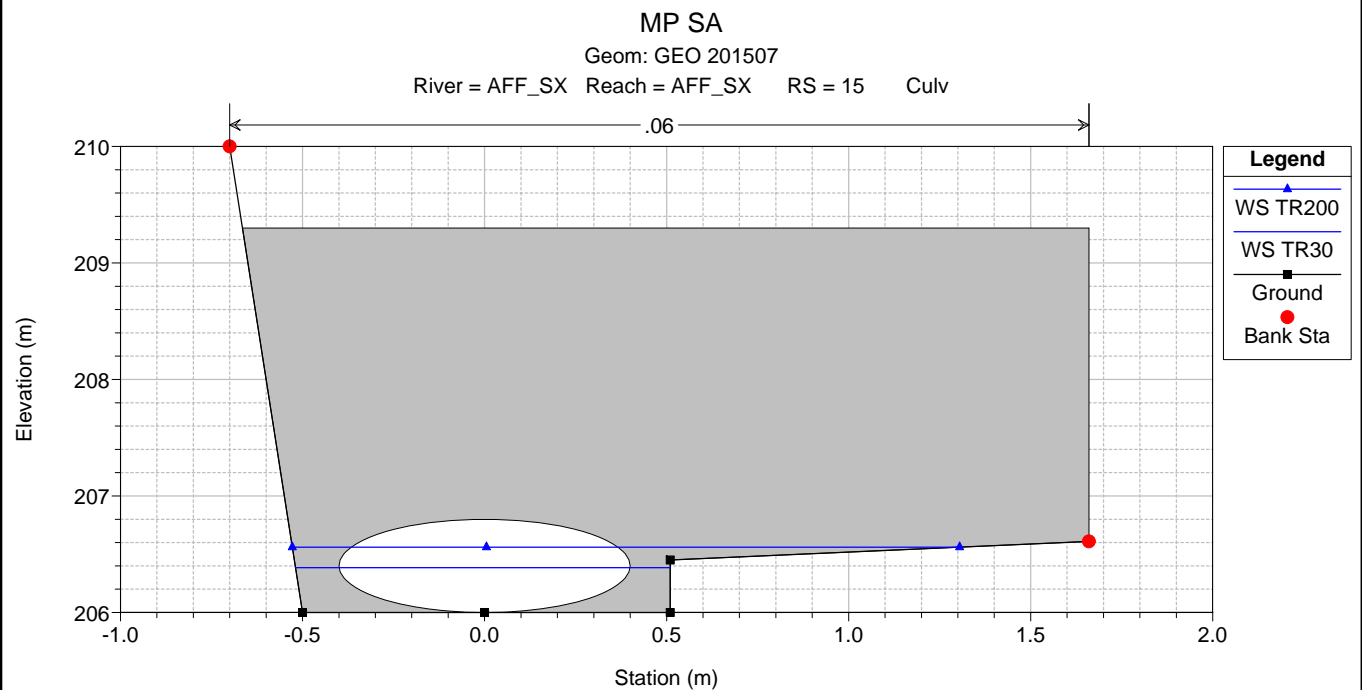
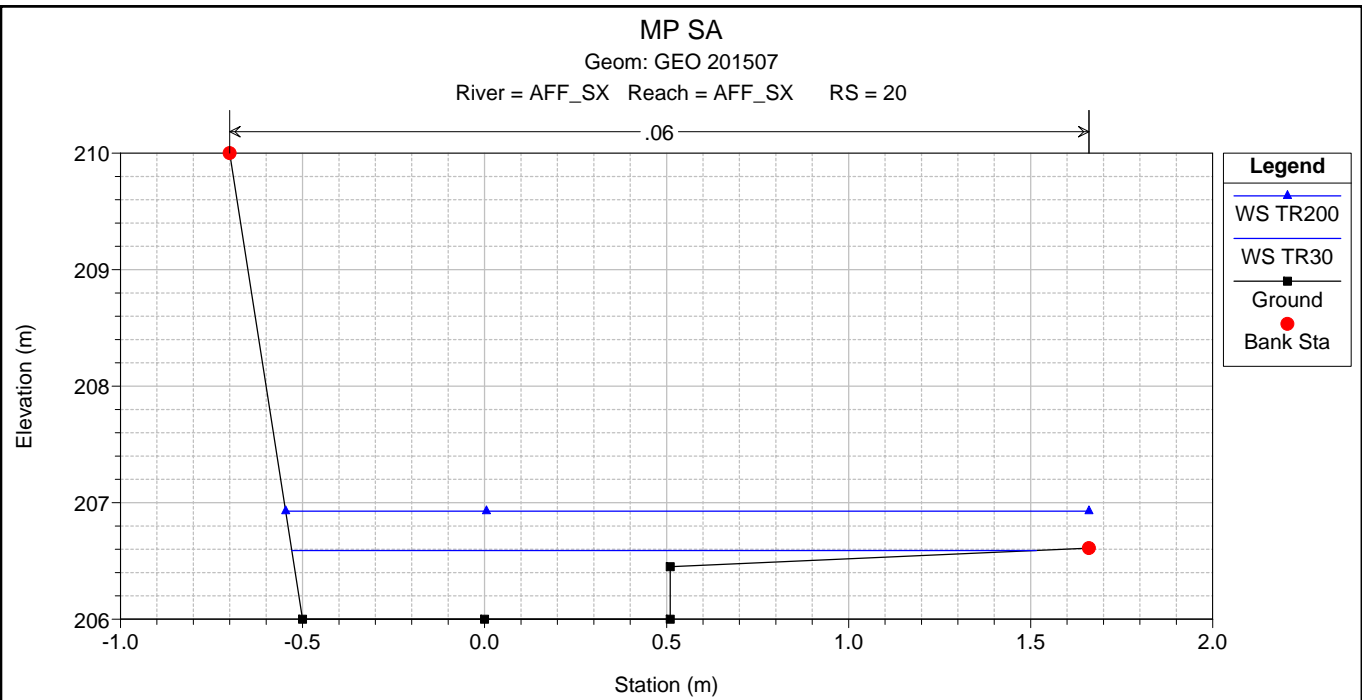
AFF_SX AFF_SX



Legend

- EG TR200
- WS TR200
- Crit TR200
- EG TR30
- Crit TR30
- WS TR30
- Ground
- LOB
- ROB

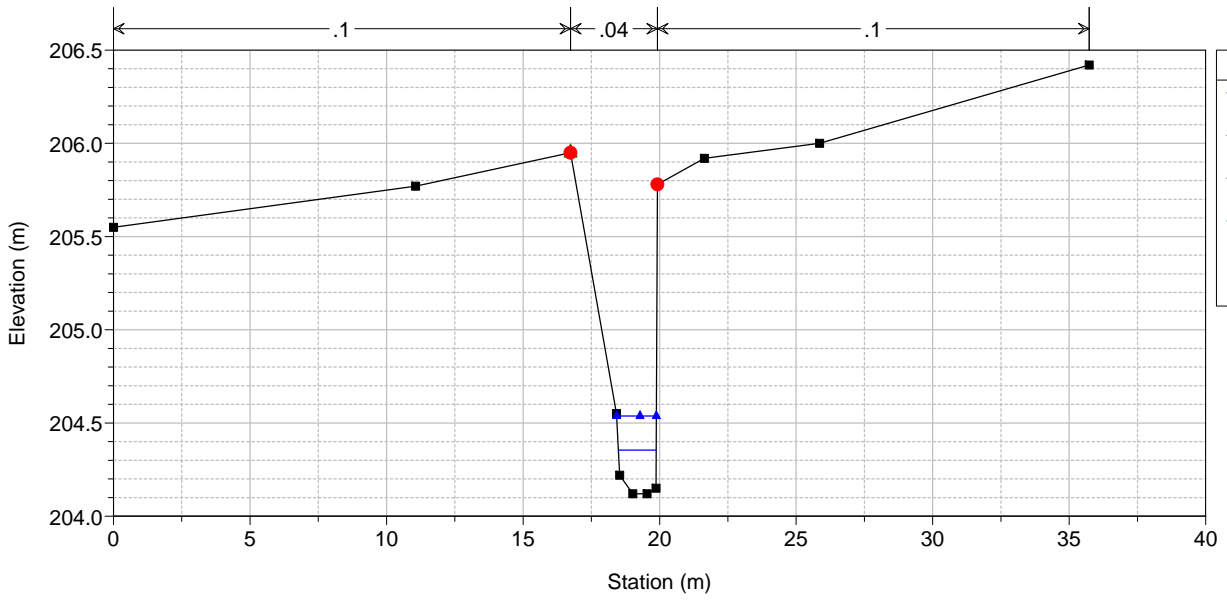




MP SA

Geom: GEO 201507

River = AFF_SX Reach = AFF_SX RS = 10



MP SA

Geom: GEO 201507

River = AFF_SX Reach = AFF_SX RS = 9

