

COMUNE DI SOVICILLE (SI)

INTERVENTI DI MITIGAZIONE DEL RISCHIO IDRAULICO DEL FOSSO SERPENNA E DEL TORRENTE RIGO IN LOCALITA' PIAN DEI MORI

STUDIO DI FATTIBILITA'

d.02.2 ALLEGATI DI CALCOLO INTERVENTI SUL FOSSO SERPENNA

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Il tecnico incaricato

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Allegati di calcolo applicativo HEC RAS (Tr 200 anni)

Scenario interventi sul Fosso Serpenna

Tabelle di output

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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 2H S	19.78	10.27	9.51		218.94	220.57	220.54	220.71	0.013162	0.91	2.27	21.74	52.79	0.81	0.77
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 3H S	17.63	8.49	9.14		218.94	220.52	220.52	220.67	0.014066	0.92	2.30	19.26	52.19	0.89	0.79
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 4H S	15.54	6.83	8.70		218.94	220.48	220.50	220.64	0.014702	0.92	2.31	16.96	51.55	0.98	0.81
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 5H S	13.85	5.69	8.16		218.94	220.44	220.45	220.60	0.014529	0.92	2.26	15.12	49.73	1.02	0.80
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 6H S	12.52	4.81	7.71		218.94	220.41	220.40	220.57	0.014565	0.93	2.23	13.48	46.42	1.05	0.80
Fosso Serpenna	Tratto 1	43	Max WS	SP Q200 7H S	11.47	4.12	7.35		218.94	220.38	220.39	220.54	0.014588	0.94	2.20	12.19	44.07	1.08	0.80
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 2H S	19.76	6.46	13.25	0.05	217.45	219.56	219.51	219.69	0.006180	0.78	1.93	25.43	70.45	0.85	0.56
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 3H S	17.61	5.11	12.47	0.02	217.45	219.52	219.45	219.65	0.006015	0.77	1.88	22.76	68.79	0.88	0.55
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 4H S	15.53	3.74	11.79	0.01	217.45	219.48	219.29	219.61	0.006044	0.79	1.84	19.58	66.75	0.95	0.55
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 5H S	13.84	3.06	10.78	0.00	217.45	219.44	219.25	219.56	0.005560	0.80	1.74	17.35	56.25	0.89	0.52
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 6H S	12.52	2.28	10.24		217.45	219.40	219.20	219.52	0.005553	0.82	1.71	15.21	53.69	0.93	0.52
Fosso Serpenna	Tratto 1	42	Max WS	SP Q200 7H S	11.47	1.98	9.49		217.45	219.37	219.12	219.48	0.005200	0.85	1.64	13.44	46.42	0.89	0.50
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 2H S	19.75	9.59	10.16	0.00	217.23	218.70	218.59	218.81	0.011327	0.83	1.97	23.86	64.38	0.76	0.76
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 3H S	17.60	8.29	9.31	0.00	217.23	218.66	218.55	218.77	0.011433	0.82	1.91	21.58	60.49	0.76	0.75
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 4H S	15.52	6.82	8.70		217.23	218.61	218.55	218.72	0.012662	0.84	1.94	18.40	55.53	0.83	0.79
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 5H S	13.84	5.87	7.97		217.23	218.56	218.52	218.67	0.012859	0.86	1.91	16.02	49.65	0.84	0.79
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 6H S	12.52	5.02	7.50		217.23	218.53	218.50	218.64	0.013256	0.87	1.91	14.36	45.55	0.86	0.79
Fosso Serpenna	Tratto 1	41	Max WS	SP Q200 7H S	11.47	4.31	7.15		217.23	218.50	218.49	218.62	0.013308	0.87	1.91	13.11	43.45	0.89	0.79
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 2H S	19.74	13.26	6.15	0.33	216.51	217.91	217.61	217.95	0.004587	0.55	1.40	35.94	77.61	0.41	0.49
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 3H S	17.60	11.78	5.61	0.21	216.51	217.88	217.59	217.92	0.004263	0.52	1.32	33.80	76.38	0.39	0.47
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 4H S	15.52	10.56	4.85	0.11	216.51	217.85	217.57	217.87	0.003699	0.50	1.19	31.15	72.60	0.36	0.43
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 5H S	13.83	9.38	4.41	0.05	216.51	217.81	217.52	217.84	0.003549	0.48	1.14	28.77	65.48	0.34	0.42
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 6H S	9.97	6.72	3.22	0.02	216.51	217.79	217.46	217.80	0.002127	0.37	0.86	27.16	60.18	0.26	0.32
Fosso Serpenna	Tratto 1	40	Max WS	SP Q200 7H S	9.71	6.58	3.11	0.01	216.51	217.78	217.45	217.79	0.002058	0.36	0.84	26.71	58.54	0.25	0.32
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 2H S	12.83	5.94	2.77	4.11	215.36	217.78	217.02	217.78	0.000271	0.16	0.43	81.71	109.54	0.09	0.12
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 3H S	11.48	5.31	2.55	3.61	215.36	217.75	216.98	217.75	0.000249	0.15	0.40	77.91	108.69	0.08	0.11
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 4H S	10.62	4.92	2.41	3.29	215.36	217.72	216.97	217.72	0.000237	0.14	0.39	75.20	108.08	0.08	0.11
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 5H S	10.11	4.68	2.33	3.10	215.36	217.70	216.95	217.71	0.000233	0.14	0.38	73.13	107.61	0.08	0.11
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 6H S	9.79	4.53	2.28	2.97	215.36	217.69	216.94	217.69	0.000230	0.14	0.38	71.83	107.31	0.08	0.11
Fosso Serpenna	Tratto 1	39	Max WS	SP Q200 7H S	9.60	4.45	2.25	2.90	215.36	217.68	216.94	217.69	0.000228	0.14	0.37	71.07	107.14	0.08	0.10
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 2H S	35.92	7.15	18.72	10.05	214.23	216.37	216.41	216.58	0.014121	0.84	2.75	42.96	149.89	1.20	0.84
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 3H S	32.00	5.73	17.97	8.30	214.23	216.34	216.40	216.55	0.014241	0.84	2.73	38.13	146.04	1.29	0.84
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 4H S	28.17	4.27	17.41	6.49	214.23	216.30	216.36	216.54	0.014928	0.87	2.74	32.48	141.40	1.45	0.86
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 5H S	25.11	3.07	17.05	4.99	214.23	216.26	216.33	216.53	0.015925	0.92	2.78	27.35	137.05	1.65	0.88
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 6H S	22.73	2.24	16.59	3.90	214.23	216.23	216.32	216.52	0.016369	0.96	2.78	23.59	133.77	1.81	0.89
Fosso Serpenna	Tratto 1	38	Max WS	SP Q200 7H S	20.86	1.61	16.20	3.05	214.23	216.21	216.31	216.52	0.016777	1.02	2.79	20.45	130.97	1.99	0.90
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 2H S	35.89	22.38	11.88	1.64	213.10	215.20	214.94	215.28	0.007013	0.69	1.94	51.66	107.71	0.55	0.57
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 3H S	31.99	19.91	10.95	1.13	213.10	215.16	214.93	215.23	0.006887	0.69	1.87	46.54	99.14	0.55	0.56
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 4H S	28.17	17.43	9.99	0.74	213.10	215.11	214.85	215.18	0.006596	0.67	1.78	42.15	92.19	0.54	0.55
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 5H S	25.11	15.40	9.20	0.50	213.10	215.07	214.75	215.13	0.006323	0.65	1.70	38.71	86.86	0.53	0.53
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 6H S	22.72	13.81	8.59	0.33	213.10	215.04	214.74	215.09	0.006192	0.64	1.64	35.70	81.91	0.52	0.53
Fosso Serpenna	Tratto 1	37	Max WS	SP Q200 7H S	20.86	12.52	8.13	0.21	213.10	215.00	214.72	215.06	0.006282	0.64	1.61	32.82	76.89	0.52	0.53
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 2H S	35.89	27.27	8.55	0.06	212.01	213.74	213.56	213.84	0.011989	0.97	2.33	37.07	56.06	0.53	0.72
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 3H S	32.01	24.03	7.94	0.04	212.01	213.69	213.53	213.78	0.012116	0.93	2.27	34.28	55.64	0.54	0.72
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 4H S	28.17	20.85	7.31	0.02	212.01	213.64	213.50	213.73	0.012198	0.90	2.20	31.46	55.22	0.55	0.72
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 5H S	25.10	18.30	6.79	0.01	212.01	213.60	213.47	213.68	0.012282	0.86	2.14	29.08	54.77	0.56	0.71
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 6H S	22.72	16.25	6.47	0.00	212.01	213.55	213.42	213.64	0.013227	0.86	2.15	26.55	54.29	0.59	0.73
Fosso Serpenna	Tratto 1	36	Max WS	SP Q200 7H S	20.86	14.65	6.21	0.00	212.01	213.52	213.39	213.60	0.014048	0.85	2.15	24.57	53.91	0.62	0.75
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 2H S	35.66	19.48	11.33	4.85	209.87	212.48	211.67	212.52	0.001762	0.48	1.33	74.43	84.33	0.28	0.32
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 3H S	31.90	17.17	10.54	4.19	209.87	212.42	211.61	212.46	0.001712	0.46	1.28	69.35	83.21	0.28	0.31
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 4H S	28.13	15.34	9.40	3.39	209.87	212.35	211.56	212.38	0.001577	0.44	1.20	63.54	76.36	0.26	0.30
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 5H S	25.08	13.49	8.73	2.86	209.87	212.29	211.53	212.32	0.001536	0.42	1.15	59.07	75.66	0.26	0.29
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 6H S	22.71	12.06	8.18	2.47	209.87	212.25	211.49	212.27	0.001489	0.41	1.11	55.58	75.11	0.26	0.29
Fosso Serpenna	Tratto 1	35	Max WS	SP Q200 7H S	20.85	10.95	7.72	2.17	209.87	212.21	211.46	212.24	0.001440	0.39	1.08	52.86	74.68	0.26	0.28

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 2H S	35.55	21.98	10.63	2.94	209.96	211.97	211.68	212.03	0.004449	0.63	1.86	56.05	96.54	0.46	0.49	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 3H S	31.84	19.57	10.07	2.20	209.96	211.92	211.64	211.98	0.004549	0.62	1.83	50.97	89.05	0.47	0.50	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 4H S	28.09	17.08	9.58	1.43	209.96	211.85	211.60	211.92	0.004867	0.62	1.83	44.97	87.60	0.51	0.51	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 5H S	25.06	15.04	9.13	0.90	209.96	211.79	211.57	211.86	0.005103	0.62	1.82	40.17	86.42	0.55	0.52	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 6H S	22.70	13.67	8.49	0.53	209.96	211.75	211.53	211.82	0.004954	0.62	1.76	36.53	83.93	0.55	0.51	
Fosso Serpenna	Tratto 1	34	Max WS	SP Q200 7H S	20.84	12.42	8.08	0.33	209.96	211.72	211.51	211.78	0.004933	0.62	1.72	33.74	78.60	0.55	0.50	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 2H S	35.42	15.65	13.27	6.51	209.07	211.38	211.18	211.47	0.004555	0.67	2.01	52.78	88.57	0.53	0.50	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 3H S	31.79	13.77	12.62	5.40	209.07	211.32	211.10	211.41	0.004660	0.67	1.99	47.73	84.14	0.55	0.51	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 4H S	28.07	11.79	11.97	4.31	209.07	211.26	211.04	211.35	0.004857	0.66	1.97	42.23	79.03	0.58	0.51	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 5H S	25.05	10.18	11.39	3.48	209.07	211.20	210.98	211.29	0.004988	0.66	1.94	37.94	74.81	0.61	0.52	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 6H S	22.69	8.93	10.89	2.87	209.07	211.16	210.92	211.25	0.005053	0.65	1.92	34.69	73.32	0.63	0.52	
Fosso Serpenna	Tratto 1	33	Max WS	SP Q200 7H S	20.83	8.15	10.28	2.40	209.07	211.12	210.87	211.21	0.004885	0.65	1.85	32.27	71.86	0.64	0.51	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 2H S	35.34	2.19	13.48	19.68	208.40	210.80	210.57	210.88	0.004690	0.65	1.89	54.25	105.08	0.55	0.48	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 3H S	31.76	1.51	12.87	17.39	208.40	210.74	210.53	210.82	0.004823	0.65	1.87	48.54	97.34	0.56	0.48	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 4H S	28.06	0.94	12.11	15.01	208.40	210.69	210.48	210.77	0.004842	0.65	1.83	43.14	91.91	0.58	0.48	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 5H S	25.04	0.58	11.38	13.08	208.40	210.64	210.45	210.72	0.004747	0.64	1.77	39.07	87.58	0.59	0.47	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 6H S	22.68	0.34	10.78	11.55	208.40	210.60	210.43	210.68	0.004665	0.63	1.72	35.77	83.92	0.60	0.47	
Fosso Serpenna	Tratto 1	32	Max WS	SP Q200 7H S	20.82	0.19	10.33	10.31	208.40	210.57	210.40	210.64	0.004658	0.63	1.69	32.86	80.60	0.61	0.46	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 2H S	35.28	0.24	13.99	21.06	207.70	210.01	209.83	210.09	0.006098	0.69	1.77	50.92	96.60	0.52	0.54	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 3H S	31.73	0.15	13.14	18.45	207.70	209.97	209.81	210.04	0.006076	0.68	1.73	46.94	94.28	0.53	0.53	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 4H S	28.04	0.08	12.26	15.71	207.70	209.92	209.77	209.99	0.006138	0.66	1.69	42.40	91.58	0.55	0.53	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 5H S	25.04	0.03	11.53	13.47	207.70	209.88	209.75	209.95	0.006201	0.65	1.66	38.57	89.21	0.57	0.53	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 6H S	22.68	0.01	10.86	11.80	207.70	209.85	209.73	209.92	0.006075	0.63	1.61	35.91	87.52	0.57	0.53	
Fosso Serpenna	Tratto 1	29	Max WS	SP Q200 7H S	20.82	0.01	10.22	10.60	207.70	209.83	209.72	209.90	0.005703	0.61	1.54	34.37	86.53	0.56	0.51	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 2H S	35.27	1.78	13.12	20.36	207.25	209.81	209.44	209.86	0.002343	0.47	1.48	75.07	131.79	0.40	0.35	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 3H S	31.73	1.37	12.31	18.05	207.25	209.78	209.44	209.82	0.002208	0.45	1.42	70.29	129.44	0.40	0.34	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 4H S	28.04	0.95	11.48	15.61	207.25	209.73	209.39	209.77	0.002083	0.43	1.35	64.67	126.62	0.40	0.33	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 5H S	25.03	0.71	10.75	13.58	207.25	209.69	209.36	209.73	0.001976	0.42	1.30	59.63	122.39	0.40	0.32	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 6H S	22.67	0.56	10.03	12.08	207.25	209.67	209.36	209.71	0.001803	0.40	1.23	56.77	118.85	0.39	0.30	
Fosso Serpenna	Tratto 1	28	Max WS	SP Q200 7H S	20.82	0.50	9.26	11.06	207.25	209.67	209.24	209.70	0.001548	0.37	1.14	56.30	118.35	0.36	0.28	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 2H S	35.27	6.00	20.87	8.40	207.01	209.77	209.29	209.84	0.001806	0.54	1.55	65.82	108.46	0.49	0.33	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 3H S	31.73	5.29	19.30	7.13	207.01	209.74	209.23	209.80	0.001621	0.51	1.45	62.44	107.01	0.48	0.32	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 4H S	28.04	4.56	17.66	5.82	207.01	209.70	209.28	209.76	0.001443	0.48	1.35	58.30	105.21	0.46	0.30	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 5H S	25.03	4.01	16.27	4.76	207.01	209.66	209.24	209.72	0.001298	0.46	1.27	54.49	103.05	0.45	0.28	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 6H S	19.39	3.08	12.81	3.50	207.01	209.64	208.55	209.68	0.000831	0.37	1.01	52.49	101.67	0.37	0.22	
Fosso Serpenna	Tratto 1	27	Max WS	SP Q200 7H S	19.39	3.08	12.81	3.50	207.01	209.64	208.55	209.68	0.000831	0.37	1.01	52.49	101.67	0.37	0.22	
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 2H S	35.27	7.32	16.95	10.84	207.01	209.78	209.89	209.85		1.17	2.67	30.05	90.32	0.49	0.49
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 3H S	31.73	6.07	16.77	8.87	207.01	209.75	209.86	209.81		1.19	2.74	26.64	87.30	0.50	0.50
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 4H S	28.04	4.73	16.54	6.79	207.01	209.72	209.84	209.77		1.23	2.82	22.86	83.52	0.52	0.52
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 5H S	25.03	3.62	16.34	5.11	207.01	209.68	209.81	209.73		1.28	2.90	19.55	79.81	0.55	0.55
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 6H S	19.39	1.55	15.58	2.10	207.01	209.61	208.41	209.65		1.53	3.05	12.64	70.01	0.63	0.63
Fosso Serpenna	Tratto 1	26.1	BR U	Max WS	SP Q200 7H S	19.39	1.49	15.76	2.02	207.01	209.61	208.42	209.65		1.56	3.10	12.41	69.63	0.64	0.64
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 2H S	35.27	7.32	16.95	10.84	206.87	209.78	208.55	209.85		0.00	1.92		111.51	0.84	0.84
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 3H S	31.73	6.07	16.77	8.87	206.87	209.75	208.53	209.81		0.00	2.01		107.39	0.80	0.80
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 4H S	28.04	4.73	16.54	6.79	206.87	209.72	208.50	209.77		0.00	2.12		102.23	0.76	0.76
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 5H S	25.03	3.62	16.34	5.11	206.87	209.68	208.47	209.73		0.00	2.25		97.29	0.72	0.72
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 6H S	19.39	1.55	15.58	2.10	206.87	209.61	208.35	209.65		0.00	2.56		85.66	0.67	0.67
Fosso Serpenna	Tratto 1	26.1	BR D	Max WS	SP Q200 7H S	19.39	1.49	15.76	2.02	206.87	209.61	208.35	209.65		0.00	2.60		85.10	0.68	0.68
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 2H S	35.27		35.27		206.87	208.93	208.86	209.31	0.013558	2.70	2.70	13.06	119.28	0.88	0.88	
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 3H S	31.73		31.73		206.87	208.90	208.80	209.22	0.012245	2.51	2.51	12.63	116.59	0.84	0.84	
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 4H S	28.04		28.04		206.87	208.87	208.74	209.14	0.010765	2.30	2.30	12.19	113.75	0.78	0.78	
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 5H S	25.03		25.03		206.87	208.84	208.68	209.07	0.009618	2.12	2.12	11.78	111.10	0.73	0.73	
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 6H S	22.68		22.68		206.87	208.82	208.64	209.02	0.008680	1.98	1.98	11.45	108.96	0.69	0.69	
Fosso Serpenna	Tratto 1	25	Max WS	SP Q200 7H S	20.82		20.82		206.87	208.79	208.60	208.97	0.008039	1.87	1.87	11.13	106.91	0.66	0.66	

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Serpenna	Tratto 1	24.95			Lat Struct														
Fosso Serpenna	Tratto 1	24.9			Lat Struct														
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 2H S	27.07		27.07		206.72	208.78	208.60	209.19	0.013048	2.82	2.82	9.59	150.48	0.85	0.85
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 3H S	24.68		24.68		206.72	208.75	208.51	209.11	0.011669	2.63	2.63	9.38	149.74	0.80	0.80
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 4H S	22.20		22.20		206.72	208.72	208.43	209.03	0.010427	2.44	2.44	9.10	146.83	0.76	0.76
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 5H S	20.13		20.13		206.72	208.70	208.35	208.96	0.009237	2.26	2.26	8.90	139.68	0.71	0.71
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 6H S	18.61		18.61		206.72	208.67	208.29	208.90	0.008156	2.15	2.15	8.65	134.78	0.67	0.67
Fosso Serpenna	Tratto 1	24	Max WS	SP Q200 7H S	17.41		17.41		206.72	208.65	208.24	208.86	0.007298	2.06	2.06	8.47	131.56	0.63	0.63
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 2H S	18.93		18.93		206.30	208.19	207.82	208.40	0.006582	2.03	2.03	9.34	207.77	0.61	0.61
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 3H S	18.23		18.23		206.30	208.18	207.79	208.38	0.006290	1.97	1.97	9.26	207.06	0.60	0.60
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 4H S	17.41		17.41		206.30	208.16	207.76	208.35	0.005966	1.90	1.90	9.15	204.30	0.58	0.58
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 5H S	16.81		16.81		206.30	208.15	207.73	208.33	0.005735	1.85	1.85	9.07	200.94	0.57	0.57
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 6H S	16.13		16.13		206.30	208.14	207.71	208.31	0.005467	1.80	1.80	8.97	196.60	0.56	0.56
Fosso Serpenna	Tratto 1	22	Max WS	SP Q200 7H S	15.63		15.63		206.30	208.13	207.69	208.29	0.005270	1.76	1.76	8.89	195.15	0.55	0.55
Fosso Serpenna	Tratto 1	21.95			Lat Struct														
Fosso Serpenna	Tratto 1	21.9			Lat Struct														
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 2H S	15.64		15.64		206.06	207.96	207.48	208.13	0.007582	1.82	1.82	8.59	153.02	0.63	0.63
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 3H S	15.36		15.36		206.06	207.96	207.47	208.12	0.007020	1.81	1.81	8.50	151.07	0.61	0.61
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 4H S	14.93		14.93		206.06	207.94	207.45	208.10	0.006220	1.78	1.78	8.39	148.47	0.58	0.58
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 5H S	14.61		14.61		206.06	207.93	207.44	208.09	0.005624	1.76	1.76	8.31	146.52	0.55	0.55
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 6H S	14.24		14.24		206.06	207.92	207.42	208.08	0.004942	1.73	1.73	8.23	144.18	0.52	0.52
Fosso Serpenna	Tratto 1	21	Max WS	SP Q200 7H S	13.97		13.97		206.06	207.91	207.40	208.06	0.004693	1.71	1.71	8.17	142.65	0.51	0.51
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 2H S	13.24		13.24		205.57	207.20	206.89	207.42	0.008178	2.06	2.06	6.42	169.73	0.66	0.66
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 3H S	13.14		13.14		205.57	207.19	206.89	207.41	0.008262	2.07	2.07	6.36	167.07	0.66	0.66
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 4H S	13.01		13.01		205.57	207.18	206.88	207.40	0.008229	2.06	2.06	6.32	165.36	0.66	0.66
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 5H S	12.94		12.94		205.57	207.18	206.88	207.39	0.008225	2.05	2.05	6.30	164.24	0.66	0.66
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 6H S	12.83		12.83		205.57	207.18	206.87	207.39	0.008178	2.05	2.05	6.27	163.13	0.66	0.66
Fosso Serpenna	Tratto 1	19	Max WS	SP Q200 7H S	12.75		12.75		205.57	207.17	206.86	207.38	0.008149	2.04	2.04	6.25	162.09	0.65	0.65
Fosso Serpenna	Tratto 1	18.95			Lat Struct														
Fosso Serpenna	Tratto 1	18.9			Lat Struct														
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 2H S	9.67		9.67		205.02	206.65	206.14	206.76	0.004172	1.48	1.48	6.56	253.17	0.47	0.47
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 3H S	9.73		9.73		205.02	206.65	206.15	206.76	0.004191	1.48	1.48	6.58	253.40	0.47	0.47
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 4H S	9.78		9.78		205.02	206.65	206.15	206.76	0.004255	1.49	1.49	6.56	253.25	0.48	0.48
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 5H S	9.79		9.79		205.02	206.65	206.15	206.76	0.004306	1.50	1.50	6.54	252.94	0.48	0.48
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 6H S	9.77		9.77		205.02	206.64	206.14	206.76	0.004334	1.50	1.50	6.51	252.61	0.48	0.48
Fosso Serpenna	Tratto 1	17	Max WS	SP Q200 7H S	9.73		9.73		205.02	206.64	206.14	206.75	0.004329	1.50	1.50	6.49	252.36	0.48	0.48
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 2H S	9.54		9.54		204.55	206.22	205.67	206.33	0.003705	1.42	1.42	6.74	151.55	0.44	0.44
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 3H S	9.73		9.73		204.55	206.23	205.68	206.34	0.003777	1.43	1.43	6.79	152.70	0.45	0.45
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 4H S	9.88		9.88		204.55	206.22	205.69	206.33	0.004083	1.48	1.48	6.68	149.95	0.47	0.47
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 5H S	9.88		9.88		204.55	206.20	205.69	206.32	0.004237	1.50	1.50	6.60	147.90	0.47	0.47
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 6H S	9.85		9.85		204.55	206.19	205.69	206.30	0.004399	1.52	1.52	6.49	137.57	0.48	0.48
Fosso Serpenna	Tratto 1	15	Max WS	SP Q200 7H S	9.82		9.82		204.55	206.16	205.69	206.29	0.004635	1.55	1.55	6.35	133.68	0.49	0.49
Fosso Serpenna	Tratto 1	14.95			Lat Struct														
Fosso Serpenna	Tratto 1	14.9			Lat Struct														
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 2H S	11.18		11.18		204.05	205.74	205.25	205.87	0.004769	1.61	1.61	6.95	136.41	0.51	0.51
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 3H S	11.44		11.44		204.05	205.76	205.27	205.89	0.004684	1.61	1.61	7.10	141.39	0.50	0.50
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 4H S	11.32		11.32		204.05	205.76	205.26	205.89	0.004631	1.60	1.60	7.08	141.34	0.50	0.50
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 5H S	11.16		11.16		204.05	205.75	205.26	205.88	0.004602	1.59	1.59	7.03	141.24	0.50	0.50
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 6H S	10.95		10.95		204.05	205.74	205.24	205.86	0.004596	1.58	1.58	6.94	136.36	0.50	0.50

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Serpenna	Tratto 1	14	Max WS	SP Q200 7H S	10.66		10.66		204.05	205.72	205.23	205.84	0.004590	1.57	1.57	6.80	135.74	0.49	0.49
Fosso Serpenna	Tratto 1	13.9			Lat Struct														
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 2H S	10.76		10.76		203.62	205.23	204.81	205.38	0.005661	1.70	1.70	6.31	124.45	0.55	0.55
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 3H S	11.15		11.15		203.62	205.26	204.83	205.41	0.005647	1.72	1.72	6.49	126.05	0.55	0.55
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 4H S	11.16		11.16		203.62	205.26	204.83	205.41	0.005599	1.71	1.71	6.51	126.26	0.54	0.54
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 5H S	11.08		11.08		203.62	205.26	204.83	205.41	0.005569	1.71	1.71	6.49	126.09	0.54	0.54
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 6H S	10.92		10.92		203.62	205.25	204.82	205.39	0.005548	1.70	1.70	6.43	125.51	0.54	0.54
Fosso Serpenna	Tratto 1	12	Max WS	SP Q200 7H S	10.65		10.65		203.62	205.23	204.80	205.37	0.005529	1.68	1.68	6.32	124.52	0.54	0.54
Fosso Serpenna	Tratto 1	11.95			Lat Struct														
Fosso Serpenna	Tratto 1	11.9			Lat Struct														
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 2H S	10.60		10.60		203.32	204.95	204.50	205.08	0.005209	1.65	1.65	6.44	125.01	0.52	0.52
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 3H S	11.02		11.02		203.32	204.98	204.52	205.12	0.005224	1.66	1.66	6.63	125.74	0.53	0.53
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 4H S	11.08		11.08		203.32	204.98	204.53	205.12	0.005203	1.66	1.66	6.66	125.88	0.53	0.53
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 5H S	11.04		11.04		203.32	204.98	204.52	205.12	0.005186	1.66	1.66	6.65	125.83	0.52	0.52
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 6H S	10.89		10.89		203.32	204.97	204.51	205.11	0.005178	1.65	1.65	6.59	125.59	0.52	0.52
Fosso Serpenna	Tratto 1	11	Max WS	SP Q200 7H S	10.64		10.64		203.32	204.95	204.50	205.09	0.005159	1.64	1.64	6.48	125.17	0.52	0.52
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 2H S	10.51		10.51		202.84	204.35	204.01	204.52	0.006924	1.82	1.82	5.76	118.68	0.60	0.60
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 3H S	10.93		10.93		202.84	204.38	204.04	204.56	0.006912	1.84	1.84	5.94	120.50	0.60	0.60
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 4H S	11.02		11.02		202.84	204.39	204.04	204.56	0.006912	1.85	1.85	5.97	120.87	0.60	0.60
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 5H S	11.00		11.00		202.84	204.39	204.04	204.56	0.006910	1.84	1.84	5.96	120.77	0.60	0.60
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 6H S	10.87		10.87		202.84	204.38	204.03	204.55	0.006914	1.84	1.84	5.91	120.22	0.60	0.60
Fosso Serpenna	Tratto 1	9	Max WS	SP Q200 7H S	10.63		10.63		202.84	204.36	204.02	204.53	0.006921	1.83	1.83	5.81	119.20	0.60	0.60
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 2H S	10.51		10.51		202.32	203.83	203.49	204.00	0.007133	1.85	1.85	5.69	29.16	0.61	0.61
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 3H S	10.93		10.93		202.32	203.86	203.52	204.03	0.007142	1.87	1.87	5.86	30.15	0.61	0.61
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 4H S	11.02		11.02		202.32	203.86	203.52	204.04	0.007153	1.87	1.87	5.89	30.34	0.61	0.61
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 5H S	11.00		11.00		202.32	203.86	203.53	204.04	0.007153	1.87	1.87	5.88	30.28	0.61	0.61
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 6H S	10.86		10.86		202.32	203.85	203.51	204.03	0.007139	1.86	1.86	5.83	30.00	0.61	0.61
Fosso Serpenna	Tratto 1	7	Max WS	SP Q200 7H S	10.63		10.63		202.32	203.84	203.50	204.01	0.007130	1.85	1.85	5.74	29.46	0.61	0.61
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 2H S	10.51		10.51		202.29	203.85	203.03	203.94	0.001060	1.28	1.28	8.18	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 3H S	10.93		10.93		202.29	203.88	203.05	203.97	0.001091	1.31	1.31	8.33	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 4H S	11.02		11.02		202.29	203.89	203.05	203.97	0.001097	1.32	1.32	8.36	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 5H S	11.00		11.00		202.29	203.88	203.06	203.97	0.001095	1.32	1.32	8.36	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 6H S	10.86		10.86		202.29	203.88	203.05	203.96	0.001086	1.31	1.31	8.31	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR U	Max WS	SP Q200 7H S	10.63		10.63		202.29	203.86	203.04	203.95	0.001068	1.29	1.29	8.23	5.24	0.33	0.33
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 2H S	10.51		10.51		202.25	203.85	202.99	203.93	0.000994	1.25	1.25	8.37	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 3H S	10.93		10.93		202.25	203.88	203.01	203.96	0.001024	1.28	1.28	8.52	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 4H S	11.02		11.02		202.25	203.88	203.02	203.97	0.001030	1.29	1.29	8.55	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 5H S	11.00		11.00		202.25	203.88	203.02	203.97	0.001028	1.29	1.29	8.54	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 6H S	10.86		10.86		202.25	203.87	203.01	203.96	0.001019	1.28	1.28	8.50	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.5 BR D	Max WS	SP Q200 7H S	10.63		10.63		202.25	203.86	203.00	203.94	0.001002	1.26	1.26	8.42	5.24	0.32	0.32
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 2H S	10.50		10.50		202.21	203.70	203.39	203.88	0.007622	1.90	1.90	5.54	9.85	0.63	0.63
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 3H S	10.93		10.93		202.21	203.73	203.41	203.92	0.007628	1.92	1.92	5.71	10.23	0.63	0.63
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 4H S	11.02		11.02		202.21	203.74	203.42	203.92	0.007627	1.92	1.92	5.74	10.31	0.63	0.63
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 5H S	11.00		11.00		202.21	203.73	203.42	203.92	0.007626	1.92	1.92	5.73	10.29	0.63	0.63
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 6H S	10.86		10.86		202.21	203.73	203.41	203.91	0.007626	1.91	1.91	5.68	10.17	0.63	0.63
Fosso Serpenna	Tratto 1	6.3	Max WS	SP Q200 7H S	10.63		10.63		202.21	203.71	203.40	203.89	0.007619	1.90	1.90	5.59	9.97	0.63	0.63
Fosso Serpenna	Tratto 1	5.05			Lat Struct														
Fosso Serpenna	Tratto 1	5.01			Lat Struct														
Fosso Serpenna	Tratto 1	5	Max WS	SP Q200 2H S	10.50		10.50		201.56	203.05	202.72	203.22	0.007012	1.82	1.82	5.76	24.54	0.60	0.60
Fosso Serpenna	Tratto 1	5	Max WS	SP Q200 3H S	10.93		10.93		201.56	203.08	202.75	203.26	0.007001	1.84	1.84	5.93	26.41	0.61	0.61

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 2H S	8.04		8.04		197.58	199.38	198.61	199.43	0.001975	1.07	1.07	7.52	6.87	0.33	0.33
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 3H S	10.05		10.05		197.58	199.46	198.73	199.54	0.002539	1.24	1.24	8.09	7.12	0.37	0.37
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 4H S	10.20		10.20		197.58	199.47	198.74	199.55	0.002521	1.24	1.24	8.20	7.16	0.37	0.37
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 5H S	10.24		10.24		197.58	199.46	198.74	199.54	0.002597	1.26	1.26	8.13	7.14	0.38	0.38
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 6H S	10.49		10.49		197.58	199.45	198.76	199.53	0.002839	1.31	1.31	8.01	7.09	0.39	0.39
Fosso Serpenna	Tratto 1	4.4	Max WS	SP Q200 7H S	10.19		10.19		197.58	199.39	198.74	199.48	0.003081	1.34	1.34	7.60	6.91	0.41	0.41
Fosso Serpenna	Tratto 1	4.37																	
Fosso Serpenna	Tratto 1	4.35																	
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 2H S	25.44	2.86	20.98	1.60	196.41	198.80		198.94	0.003172	1.10	1.87	23.06	34.04	0.60	0.45
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 3H S	27.14	3.26	22.06	1.82	196.41	198.84		199.00	0.003211	1.11	1.92	24.41	34.61	0.60	0.45
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 4H S	27.53	3.35	22.30	1.88	196.41	198.85		199.01	0.003220	1.11	1.93	24.70	34.73	0.60	0.46
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 5H S	27.11	3.25	22.05	1.82	196.41	198.84		199.00	0.003218	1.11	1.92	24.35	34.59	0.60	0.45
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 6H S	26.38	3.06	21.62	1.71	196.41	198.82		198.97	0.003242	1.12	1.91	23.63	34.29	0.61	0.46
Fosso Serpenna	Tratto 1	4.3	Max WS	SP Q200 7H S	24.22	2.62	20.14	1.46	196.41	198.77		198.91	0.003079	1.09	1.83	22.30	33.66	0.60	0.44
Fosso Serpenna	Tratto 1	4.25																	
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 2H S	25.44	2.25	22.28	0.91	196.38	198.72	198.23	198.91	0.003799	1.27	2.05	19.96	27.53	0.72	0.49
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 3H S	27.14	2.58	23.49	1.07	196.38	198.76	198.30	198.96	0.003910	1.29	2.11	21.11	28.38	0.73	0.50
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 4H S	27.52	2.65	23.76	1.11	196.38	198.77	198.31	198.97	0.003941	1.29	2.13	21.34	28.55	0.73	0.50
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 5H S	27.11	2.57	23.48	1.07	196.38	198.76	198.29	198.96	0.003919	1.29	2.12	21.05	28.34	0.73	0.50
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 6H S	26.38	2.42	22.96	1.00	196.38	198.74	198.27	198.94	0.003879	1.28	2.09	20.54	27.96	0.73	0.50
Fosso Serpenna	Tratto 1	4.2	Max WS	SP Q200 7H S	24.22	2.01	21.41	0.80	196.38	198.69	198.18	198.87	0.003741	1.27	2.01	19.04	26.84	0.72	0.49
Fosso Serpenna	Tratto 1	4.19																	
Fosso Serpenna	Tratto 1	4.18																	
Fosso Serpenna	Tratto 1	4.167																	
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 2H S	18.02	1.90	16.05	0.08	195.53	198.37		198.42	0.000852	0.66	1.01	27.43	45.64	0.34	0.23
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 3H S	19.12	2.08	16.96	0.09	195.53	198.39		198.44	0.000928	0.69	1.06	27.90	45.64	0.35	0.24
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 4H S	19.39	2.11	17.19	0.09	195.53	198.39		198.44	0.000954	0.69	1.07	27.91	45.64	0.36	0.25
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 5H S	19.17	2.06	17.02	0.09	195.53	198.38		198.43	0.000943	0.69	1.06	27.75	45.64	0.36	0.25
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 6H S	18.79	1.97	16.73	0.08	195.53	198.37		198.42	0.000927	0.69	1.05	27.41	45.64	0.35	0.24
Fosso Serpenna	Tratto 1	4.1	Max WS	SP Q200 7H S	17.51	1.73	15.71	0.07	195.53	198.35		198.39	0.000854	0.66	1.00	26.58	45.64	0.34	0.23
Fosso Serpenna	Tratto 1	4.05																	
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 2H S	17.89		17.89		195.46	197.51	197.00	197.70	0.005421	1.91	1.91	9.38	7.65	0.55	0.55
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 3H S	18.96		18.96		195.46	197.65	197.04	197.82	0.004534	1.81	1.81	10.47	8.07	0.51	0.51
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 4H S	19.31	0.00	19.31		195.46	197.70	197.05	197.86	0.004200	1.77	1.77	10.91	8.84	0.51	0.49
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 5H S	19.14	0.00	19.14		195.46	197.72	197.05	197.87	0.004012	1.74	1.74	11.03	9.30	0.51	0.48
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 6H S	18.75	0.00	18.75		195.46	197.71	197.03	197.86	0.003912	1.71	1.71	10.96	9.05	0.50	0.47
Fosso Serpenna	Tratto 1	4	Max WS	SP Q200 7H S	16.25		16.25		195.46	197.63	196.92	197.76	0.003450	1.57	1.57	10.33	8.01	0.44	0.44
Fosso Serpenna	Tratto 1	3.96																	
Fosso Serpenna	Tratto 1	3.95																	
Fosso Serpenna	Tratto 1	3.94																	
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 2H S	19.38		19.38		193.42	197.02	195.02	197.06	0.000471	0.78	0.78	24.90	12.31	0.17	0.17
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 3H S	21.32		21.32		193.42	197.26	195.09	197.29	0.000424	0.77	0.77	27.83	19.57	0.17	0.17
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 4H S	21.43	0.00	21.43		193.42	197.34	195.10	197.37	0.000384	0.74	0.74	28.94	31.98	0.16	0.16
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 5H S	20.69	0.00	20.69		193.42	197.37	195.07	197.39	0.000344	0.71	0.71	29.33	35.53	0.15	0.15
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 6H S	19.97	0.00	19.96		193.42	197.37	195.04	197.39	0.000319	0.68	0.68	29.35	35.63	0.15	0.15
Fosso Serpenna	Tratto 1	3.9	Max WS	SP Q200 7H S	18.32	0.00	18.32		193.42	197.34	194.97	197.36	0.000281	0.63	0.63	28.92	31.60	0.14	0.14

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Serpenna	Tratto 1	3.82			Lat Struct														
Fosso Serpenna	Tratto 1	3.81			Lat Struct														
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 2H S	18.79	0.35	18.44		192.73	196.99	194.32	197.00	0.000167	0.37	0.41	51.05	48.47	0.13	0.10
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 3H S	21.70	0.80	20.90		192.73	197.22	194.42	197.23	0.000135	0.35	0.40	62.87	50.63	0.11	0.10
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 4H S	19.92	0.88	19.04		192.73	197.31	194.36	197.32	0.000095	0.29	0.35	67.53	50.63	0.09	0.08
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 5H S	17.11	0.80	16.31		192.73	197.35	194.24	197.35	0.000066	0.25	0.29	69.19	50.63	0.08	0.07
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 6H S	18.37	0.86	17.50		192.73	197.35	194.29	197.35	0.000076	0.27	0.31	69.30	50.63	0.08	0.07
Fosso Serpenna	Tratto 1	3.8	Max WS	SP Q200 7H S	19.37	0.86	18.51		192.73	197.31	194.33	197.32	0.000090	0.29	0.34	67.56	50.63	0.09	0.08
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 2H S	30.23	0.94	29.29		192.53	196.96	194.53	196.97	0.000300	0.51	0.58	59.51	50.63	0.17	0.14
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 3H S	52.78	2.43	50.35		192.53	197.14	195.12	197.18	0.000638	0.77	0.91	68.73	50.63	0.24	0.21
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 4H S	62.53	3.18	59.35		192.53	197.20	195.33	197.25	0.000796	0.87	1.04	71.94	50.63	0.27	0.24
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 5H S	59.95	3.27	56.68		192.53	197.25	195.28	197.30	0.000670	0.81	0.97	74.44	50.63	0.25	0.22
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 6H S	61.93	3.34	58.59		192.53	197.24	195.31	197.29	0.000725	0.84	1.00	74.04	50.63	0.26	0.23
Fosso Serpenna	Tratto 1	3.79	Max WS	SP Q200 7H S	61.46	3.15	58.31		192.53	197.21	195.31	197.26	0.000763	0.85	1.02	72.18	50.63	0.26	0.23
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 2H S	127.93	0.74	92.39	34.80	192.48	196.73	196.54	196.95	0.003301	0.97	2.47	131.35	193.32	0.81	0.49
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 3H S	165.71	1.92	104.19	59.61	192.48	196.95	196.72	197.16	0.003210	0.95	2.57	175.28	204.02	0.71	0.49
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 4H S	182.23	2.56	109.56	70.11	192.48	197.02	196.78	197.24	0.003257	0.96	2.63	190.50	205.44	0.68	0.49
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 5H S	188.34	2.80	111.54	74.00	192.48	197.05	196.79	197.26	0.003279	0.96	2.65	195.77	205.86	0.68	0.49
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 6H S	188.88	2.82	111.71	74.36	192.48	197.05	196.80	197.27	0.003280	0.96	2.65	196.27	205.90	0.68	0.49
Fosso Serpenna	Tratto 2	3.7	Max WS	SP Q200 7H S	182.78	2.58	109.75	70.45	192.48	197.02	196.79	197.24	0.003260	0.96	2.63	190.94	205.47	0.68	0.49
Fosso Serpenna	Tratto 2	3.68			Lat Struct														
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 2H S	127.87		121.42	6.45	191.48	196.12	195.04	196.49	0.004061	1.84	2.76	69.47	118.56	1.12	0.54
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 3H S	160.80	0.08	140.14	20.58	191.48	196.38	195.47	196.75	0.004126	1.52	2.91	105.97	161.77	1.07	0.55
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 4H S	172.77	0.23	145.55	26.99	191.48	196.45	195.62	196.83	0.004064	1.45	2.94	119.08	170.28	1.03	0.55
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 5H S	177.03	0.32	147.32	29.39	191.48	196.48	195.68	196.85	0.004034	1.43	2.95	123.90	173.31	1.02	0.55
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 6H S	177.41	0.33	147.46	29.62	191.48	196.49	196.29	196.85	0.004029	1.43	2.95	124.38	173.60	1.02	0.55
Fosso Serpenna	Tratto 2	3.6	Max WS	SP Q200 7H S	173.17	0.24	145.72	27.22	191.48	196.46	195.63	196.83	0.004061	1.45	2.94	119.55	170.58	1.03	0.55
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 2H S	55.21		55.21		207.11	211.17	210.13	211.54	0.014461	2.68	2.68	20.61	7.96	0.53	0.53
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 3H S	54.05		54.05		207.11	211.14	210.10	211.50	0.014417	2.66	2.66	20.31	7.92	0.53	0.53
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 4H S	50.47		50.47		207.11	211.02	210.01	211.37	0.014202	2.60	2.60	19.42	7.80	0.53	0.53
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 5H S	46.75		46.75		207.11	210.89	209.91	211.22	0.014198	2.55	2.55	18.36	7.66	0.53	0.53
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 6H S	43.45		43.45		207.11	210.76	209.82	211.08	0.014151	2.49	2.49	17.42	7.53	0.52	0.52
Fosso Rigo	Tratto 1	280	Max WS	SP Q200 7H S	43.03		43.03		207.11	210.74	209.81	211.06	0.014167	2.49	2.49	17.29	7.51	0.52	0.52
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 2H S	55.19		55.19	0.00	205.87	209.89	208.47	210.08	0.007481	1.93	1.93	28.53	15.54	0.46	0.45
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 3H S	54.04		54.04		205.87	209.85	208.44	210.04	0.007718	1.94	1.94	27.80	15.22	0.46	0.46
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 4H S	50.44		50.44		205.87	209.70	208.35	209.90	0.008013	1.97	1.97	25.64	14.02	0.46	0.46
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 5H S	46.74		46.74		205.87	209.53	208.26	209.73	0.008305	2.00	2.00	23.40	12.65	0.47	0.47
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 6H S	43.44		43.44		205.87	209.38	208.17	209.58	0.008571	2.02	2.02	21.55	11.63	0.47	0.47
Fosso Rigo	Tratto 1	270	Max WS	SP Q200 7H S	43.03		43.03		205.87	209.36	208.16	209.56	0.008604	2.02	2.02	21.32	11.50	0.47	0.47
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 2H S	55.17		55.17		205.11	209.31	207.35	209.48	0.004626	1.85	1.85	29.87	9.40	0.33	0.33
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 3H S	54.03		54.03		205.11	209.26	207.32	209.43	0.004642	1.84	1.84	29.36	9.35	0.33	0.33
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 4H S	50.44		50.44		205.11	209.09	207.24	209.25	0.004683	1.81	1.81	27.79	9.19	0.33	0.33
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 5H S	46.74		46.74		205.11	208.91	207.15	209.07	0.004723	1.79	1.79	26.16	9.01	0.33	0.33
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 6H S	43.44		43.44		205.11	208.75	207.06	208.90	0.004745	1.76	1.76	24.73	8.86	0.34	0.34
Fosso Rigo	Tratto 1	260	Max WS	SP Q200 7H S	43.02		43.02		205.11	208.73	207.05	208.88	0.004744	1.75	1.75	24.55	8.84	0.34	0.34
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 2H S	55.17		55.17		205.11	208.71	207.63	209.35	0.031267	3.54	3.54	15.58	3.47	0.60	0.60
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 3H S	54.03		54.03		205.11	208.68	207.60	209.30	0.030498	3.49	3.49	15.46	3.51	0.59	0.59
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 4H S	50.44		50.44		205.11	208.57	207.49	209.14	0.028177	3.35	3.35	15.06	3.64	0.58	0.58
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 5H S	46.74		46.74		205.11	208.44	207.37	208.96	0.025951	3.20	3.20	14.60	3.78	0.56	0.56
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 6H S	43.44		43.44		205.11	208.33	207.27	208.81	0.024055	3.07	3.07	14.16	3.91	0.55	0.55
Fosso Rigo	Tratto 1	255 BR U	Max WS	SP Q200 7H S	43.02		43.02		205.11	208.31	207.25	208.79	0.023819	3.05	3.05	14.10	3.93	0.54	0.54
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 2H S	55.17		55.17		205.00	208.26	207.59	209.04	0.038588	3.92	3.92	14.08	3.98	0.69	0.69

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 3H S	54.03		54.03		205.00	208.24	207.56	209.00	0.037464	3.86	3.86	14.00	4.00	0.68	0.68
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 4H S	50.44		50.44		205.00	208.18	207.45	208.86	0.034178	3.67	3.67	13.73	4.08	0.66	0.66
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 5H S	46.74		46.74		205.00	208.09	207.33	208.71	0.031185	3.49	3.49	13.39	4.18	0.63	0.63
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 6H S	43.44		43.44		205.00	208.01	207.23	208.58	0.028683	3.33	3.33	13.04	4.27	0.61	0.61
Fosso Rigo	Tratto 1	255 BR D	Max WS	SP Q200 7H S	43.02		43.02		205.00	208.00	207.21	208.56	0.028374	3.31	3.31	13.00	4.28	0.61	0.61
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 2H S	55.17		55.17		205.00	208.62	207.09	208.78	0.004545	1.79	1.79	30.87	12.45	0.36	0.36
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 3H S	54.02		54.02		205.00	208.59	207.06	208.75	0.004519	1.77	1.77	30.46	12.39	0.36	0.36
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 4H S	50.44		50.44		205.00	208.48	206.99	208.63	0.004446	1.73	1.73	29.13	12.16	0.36	0.36
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 5H S	46.74		46.74		205.00	208.35	206.90	208.50	0.004398	1.69	1.69	27.64	11.91	0.35	0.35
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 6H S	43.44		43.44		205.00	208.24	206.83	208.38	0.004350	1.65	1.65	26.30	11.67	0.35	0.35
Fosso Rigo	Tratto 1	250	Max WS	SP Q200 7H S	43.02		43.02		205.00	208.23	206.82	208.36	0.004344	1.65	1.65	26.13	11.64	0.35	0.35
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 2H S	55.14		55.14		204.13	208.08	206.74	208.26	0.005496	1.89	1.89	29.15	12.88	0.40	0.40
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 3H S	54.01		54.01		204.13	208.05	206.72	208.23	0.005460	1.88	1.88	28.77	12.80	0.40	0.40
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 4H S	50.43		50.43		204.13	207.95	206.64	208.12	0.005372	1.83	1.83	27.51	12.54	0.40	0.40
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 5H S	46.73		46.73		204.13	207.83	206.56	207.99	0.005354	1.80	1.80	26.03	12.23	0.39	0.39
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 6H S	43.44		43.44		204.13	207.72	206.48	207.88	0.005332	1.76	1.76	24.69	11.95	0.39	0.39
Fosso Rigo	Tratto 1	240	Max WS	SP Q200 7H S	43.02		43.02		204.13	207.70	206.47	207.86	0.005332	1.75	1.75	24.52	11.91	0.39	0.39
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 2H S	55.09	0.08	55.01		203.39	207.05	205.93	207.28	0.007565	2.10	2.15	26.18	26.34	0.65	0.47
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 3H S	53.98	0.04	53.94		203.39	207.02	205.91	207.25	0.007528	2.11	2.13	25.63	23.16	0.61	0.46
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 4H S	50.43		50.43		203.39	206.94	205.83	207.16	0.007427	2.08	2.08	24.26	12.52	0.46	0.46
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 5H S	46.73		46.73		203.39	206.83	205.74	207.04	0.007267	2.02	2.02	23.10	11.32	0.45	0.45
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 6H S	43.43		43.43		203.39	206.74	205.66	206.94	0.007128	1.97	1.97	22.03	11.06	0.45	0.45
Fosso Rigo	Tratto 1	230	Max WS	SP Q200 7H S	43.02		43.02		203.39	206.73	205.65	206.92	0.007111	1.96	1.96	21.89	11.03	0.45	0.45
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 2H S	55.06		55.06		203.44	206.29	205.25	206.46	0.006046	1.83	1.83	30.10	16.16	0.43	0.43
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 3H S	53.96		53.96		203.44	206.26	205.23	206.43	0.006002	1.81	1.81	29.74	16.07	0.43	0.43
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 4H S	50.42		50.42		203.44	206.18	205.16	206.34	0.005882	1.77	1.77	28.50	15.76	0.42	0.42
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 5H S	46.72		46.72		203.44	206.10	205.09	206.25	0.005777	1.72	1.72	27.12	15.41	0.41	0.41
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 6H S	43.42		43.42		203.44	206.01	205.02	206.15	0.005721	1.68	1.68	25.79	15.06	0.41	0.41
Fosso Rigo	Tratto 1	220	Max WS	SP Q200 7H S	43.01		43.01		203.44	206.00	205.01	206.14	0.005718	1.68	1.68	25.61	15.02	0.41	0.41
Fosso Rigo	Tratto 1	219			Lat Struct														
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 2H S	52.86		52.86		201.65	205.30	204.47	205.62	0.007833	2.49	2.49	21.23	76.81	0.55	0.55
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 3H S	52.10		52.10		201.65	205.30	204.44	205.60	0.007690	2.46	2.46	21.16	76.78	0.55	0.55
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 4H S	49.43		49.43		201.65	205.27	204.38	205.55	0.007194	2.37	2.37	20.88	76.69	0.53	0.53
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 5H S	46.35		46.35		201.65	205.24	204.30	205.50	0.006635	2.26	2.26	20.55	76.57	0.51	0.51
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 6H S	43.33		43.33		201.65	205.20	204.22	205.44	0.006112	2.15	2.15	20.19	76.45	0.49	0.49
Fosso Rigo	Tratto 1	210	Max WS	SP Q200 7H S	42.94		42.94		201.65	205.20	204.21	205.43	0.006048	2.13	2.13	20.14	76.43	0.48	0.48
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 2H S	31.74		31.74		200.84	204.00	202.99	204.18	0.004962	1.89	1.89	16.82	56.91	0.44	0.44
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 3H S	31.61		31.61		200.84	203.99	202.99	204.17	0.004940	1.88	1.88	16.79	56.91	0.43	0.43
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 4H S	31.14		31.14		200.84	203.98	202.98	204.16	0.004875	1.86	1.86	16.70	56.87	0.43	0.43
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 5H S	30.59		30.59		200.84	203.97	202.95	204.14	0.004802	1.84	1.84	16.59	56.84	0.43	0.43
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 6H S	30.04		30.04		200.84	203.96	202.94	204.13	0.004729	1.82	1.82	16.47	56.80	0.42	0.42
Fosso Rigo	Tratto 1	200	Max WS	SP Q200 7H S	29.97		29.97		200.84	203.96	202.94	204.12	0.004720	1.82	1.82	16.45	56.79	0.42	0.42
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 2H S	28.79		28.79		200.36	203.69	202.55	203.83	0.004271	1.69	1.69	16.99	84.91	0.40	0.40
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 3H S	28.72		28.72		200.36	203.69	202.55	203.83	0.004263	1.69	1.69	16.97	84.84	0.40	0.40
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 4H S	28.46		28.46		200.36	203.67	202.53	203.82	0.004252	1.69	1.69	16.87	84.39	0.40	0.40
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 5H S	28.14		28.14		200.36	203.66	202.52	203.80	0.004240	1.68	1.68	16.74	83.84	0.40	0.40
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 6H S	27.81		27.81		200.36	203.65	202.52	203.79	0.004231	1.67	1.67	16.61	83.26	0.39	0.39
Fosso Rigo	Tratto 1	190	Max WS	SP Q200 7H S	27.77		27.77		200.36	203.64	202.51	203.79	0.004231	1.67	1.67	16.59	83.17	0.39	0.39
Fosso Rigo	Tratto 1	189.5			Lat Struct														
Fosso Rigo	Tratto 1	189			Lat Struct														
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 2H S	28.74		28.74		199.95	202.96	202.22	203.20	0.008212	2.18	2.18	13.21	60.04	0.53	0.53
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 3H S	28.71		28.71		199.95	202.96	202.21	203.20	0.008187	2.17	2.17	13.21	60.04	0.53	0.53

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 4H S	28.44		28.44		199.95	202.96	202.21	203.19	0.008124	2.16	2.16	13.15	60.00	0.53	0.53
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 5H S	28.13		28.13		199.95	202.95	202.19	203.18	0.008071	2.15	2.15	13.08	59.94	0.53	0.53
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 6H S	27.80		27.80		199.95	202.94	202.18	203.17	0.008018	2.14	2.14	13.00	59.88	0.53	0.53
Fosso Rigo	Tratto 1	181.764	Max WS	SP Q200 7H S	27.76		27.76		199.95	202.93	202.17	203.17	0.008016	2.14	2.14	12.98	59.87	0.53	0.53
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 2H S	22.41		22.41		199.90	202.96	201.18	202.96	0.000108	0.27	0.27	81.82	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 3H S	22.37		22.37		199.90	202.96	201.18	202.96	0.000107	0.27	0.27	81.83	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 4H S	22.19		22.19		199.90	202.95	201.18	202.96	0.000107	0.27	0.27	81.46	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 5H S	22.01		22.01		199.90	202.94	201.17	202.95	0.000107	0.27	0.27	80.95	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 6H S	21.82		21.82		199.90	202.93	201.17	202.94	0.000108	0.27	0.27	80.35	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.5	Max WS	SP Q200 7H S	21.79		21.79		199.90	202.93	201.17	202.93	0.000108	0.27	0.27	80.27	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181.4			Inl Struct														
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 2H S	22.41		22.41		199.90	202.96	201.18	202.96	0.000108	0.27	0.27	81.62	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 3H S	22.37		22.37		199.90	202.96	201.18	202.96	0.000108	0.27	0.27	81.64	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 4H S	22.20		22.20		199.90	202.95	201.18	202.95	0.000108	0.27	0.27	81.27	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 5H S	22.01		22.01		199.90	202.94	201.17	202.94	0.000108	0.27	0.27	80.75	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 6H S	21.82		21.82		199.90	202.93	201.17	202.93	0.000109	0.27	0.27	80.17	65.56	0.07	0.07
Fosso Rigo	Tratto 1	181	Max WS	SP Q200 7H S	21.79		21.79		199.90	202.93	201.17	202.93	0.000109	0.27	0.27	80.07	65.56	0.07	0.07
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 2H S	22.40		22.40		199.85	202.86	201.88	203.01	0.005171	1.72	1.72	13.03	56.73	0.42	0.42
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 3H S	22.36		22.36		199.85	202.86	201.86	203.01	0.005148	1.72	1.72	13.03	56.76	0.42	0.42
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 4H S	22.18		22.18		199.85	202.85	201.86	203.00	0.005116	1.71	1.71	12.98	56.58	0.42	0.42
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 5H S	22.01		22.01		199.85	202.84	201.86	202.99	0.005110	1.70	1.70	12.91	56.32	0.42	0.42
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 6H S	21.82		21.82		199.85	202.83	201.85	202.98	0.005107	1.70	1.70	12.83	56.03	0.42	0.42
Fosso Rigo	Tratto 1	180.588	Max WS	SP Q200 7H S	21.79		21.79		199.85	202.83	201.85	202.98	0.005110	1.70	1.70	12.82	55.98	0.42	0.42
Fosso Rigo	Tratto 1	179.9			Lat Struct														
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 2H S	22.28		22.28		198.68	201.90	200.74	202.04	0.004667	1.64	1.64	13.57	33.20	0.39	0.39
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 3H S	22.16		22.16		198.68	201.92	200.73	202.05	0.004480	1.61	1.61	13.73	33.34	0.38	0.38
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 4H S	22.12		22.12		198.68	201.92	200.73	202.06	0.004447	1.61	1.61	13.75	33.36	0.38	0.38
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 5H S	21.96		21.96		198.68	201.92	200.72	202.05	0.004424	1.60	1.60	13.70	33.32	0.38	0.38
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 6H S	21.79		21.79		198.68	201.91	200.71	202.04	0.004409	1.60	1.60	13.64	33.26	0.38	0.38
Fosso Rigo	Tratto 1	170	Max WS	SP Q200 7H S	21.77		21.77		198.68	201.91	200.71	202.04	0.004431	1.60	1.60	13.60	33.23	0.38	0.38
Fosso Rigo	Tratto 1	165			Lat Struct														
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 2H S	21.43		21.43		197.94	201.28	199.80	201.38	0.003986	1.44	1.44	14.90	25.36	0.35	0.35
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 3H S	22.00		22.00		197.94	201.32	199.83	201.43	0.003918	1.44	1.44	15.29	25.63	0.35	0.35
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 4H S	21.99		21.99		197.94	201.33	199.83	201.44	0.003857	1.43	1.43	15.37	25.69	0.35	0.35
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 5H S	21.87		21.87		197.94	201.33	199.83	201.43	0.003821	1.42	1.42	15.36	25.68	0.35	0.35
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 6H S	21.73		21.73		197.94	201.32	199.82	201.43	0.003815	1.42	1.42	15.30	25.64	0.34	0.34
Fosso Rigo	Tratto 1	160	Max WS	SP Q200 7H S	21.72		21.72		197.94	201.31	199.82	201.42	0.003886	1.43	1.43	15.19	25.57	0.35	0.35
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 2H S	21.20		21.20		197.09	200.83	198.80	200.89	0.001866	1.15	1.15	18.50	62.62	0.24	0.24
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 3H S	21.89		21.89		197.09	200.87	198.83	200.94	0.001882	1.16	1.16	18.89	63.27	0.25	0.25
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 4H S	21.90		21.90		197.09	200.89	198.83	200.96	0.001847	1.15	1.15	19.04	63.51	0.24	0.24
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 5H S	21.80		21.80		197.09	200.89	198.83	200.96	0.001823	1.14	1.14	19.07	63.56	0.24	0.24
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 6H S	21.68		21.68		197.09	200.89	198.82	200.95	0.001813	1.14	1.14	19.03	63.49	0.24	0.24
Fosso Rigo	Tratto 1	150	Max WS	SP Q200 7H S	21.58		21.58		197.09	200.87	198.82	200.93	0.001840	1.14	1.14	18.86	63.21	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 2H S	21.20		21.20		197.06	200.81	198.77	200.88	0.001863	1.14	1.14	18.52	18.57	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 3H S	21.88		21.88		197.06	200.86	198.80	200.93	0.001879	1.16	1.16	18.90	18.87	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 4H S	21.89		21.89		197.06	200.88	198.80	200.95	0.001843	1.15	1.15	19.05	18.98	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 5H S	21.80		21.80		197.06	200.88	198.80	200.95	0.001819	1.14	1.14	19.09	19.01	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 6H S	21.68		21.68		197.06	200.88	198.79	200.94	0.001810	1.14	1.14	19.04	18.98	0.24	0.24
Fosso Rigo	Tratto 1	140	Max WS	SP Q200 7H S	21.58		21.58		197.06	200.86	198.78	200.92	0.001836	1.14	1.14	18.87	18.84	0.24	0.24
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 2H S	21.20		21.20		197.06	200.74	198.75	200.86	0.002058	1.53	1.53	13.88	4.25	0.25	0.25
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 3H S	21.88		21.88		197.06	200.78	198.78	200.91	0.002099	1.56	1.56	14.06	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 4H S	21.89		21.89		197.06	200.80	198.79	200.92	0.002064	1.55	1.55	14.13	4.25	0.26	0.26

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 5H S	21.80		21.80		197.06	200.81	198.78	200.93	0.002037	1.54	1.54	14.16	4.25	0.25	0.25
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 6H S	21.68		21.68		197.06	200.80	198.77	200.92	0.002022	1.53	1.53	14.14	4.25	0.25	0.25
Fosso Rigo	Tratto 1	135 BR U	Max WS	SP Q200 7H S	21.58		21.58		197.06	200.78	198.77	200.90	0.002044	1.54	1.54	14.05	4.25	0.25	0.25
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 2H S	21.20		21.20		197.02	200.72	198.90	200.85	0.002115	1.57	1.57	13.54	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 3H S	21.88		21.88		197.02	200.76	198.93	200.89	0.002156	1.59	1.59	13.72	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 4H S	21.89		21.89		197.02	200.78	198.93	200.91	0.002119	1.59	1.59	13.80	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 5H S	21.80		21.80		197.02	200.79	198.92	200.92	0.002090	1.58	1.58	13.82	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 6H S	21.68		21.68		197.02	200.78	198.92	200.91	0.002074	1.57	1.57	13.81	4.25	0.26	0.26
Fosso Rigo	Tratto 1	135 BR D	Max WS	SP Q200 7H S	21.58		21.58		197.02	200.76	198.92	200.89	0.002098	1.57	1.57	13.72	4.25	0.26	0.26
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 2H S	21.17		21.17		197.02	200.75	198.93	200.82	0.001997	1.17	1.17	18.08	15.29	0.26	0.26
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 3H S	21.86		21.86		197.02	200.79	198.96	200.86	0.002017	1.18	1.18	18.45	15.43	0.26	0.26
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 4H S	21.89		21.89		197.02	200.81	198.97	200.88	0.001976	1.18	1.18	18.61	15.50	0.26	0.26
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 5H S	21.79		21.79		197.02	200.81	198.96	200.88	0.001946	1.17	1.17	18.66	15.52	0.26	0.26
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 6H S	21.67		21.67		197.02	200.81	198.96	200.88	0.001934	1.16	1.16	18.62	15.50	0.25	0.25
Fosso Rigo	Tratto 1	130	Max WS	SP Q200 7H S	21.51		21.51		197.02	200.79	198.94	200.86	0.001956	1.17	1.17	18.44	15.43	0.26	0.26
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 2H S	21.14		21.14		196.93	200.71	198.84	200.78	0.001900	1.15	1.15	18.41	65.72	0.25	0.25
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 3H S	21.85		21.85		196.93	200.75	198.88	200.82	0.001924	1.16	1.16	18.79	66.22	0.25	0.25
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 4H S	21.88		21.88		196.93	200.77	198.88	200.84	0.001884	1.15	1.15	18.96	66.43	0.25	0.25
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 5H S	21.79		21.79		196.93	200.78	198.88	200.84	0.001855	1.15	1.15	19.01	66.50	0.25	0.25
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 6H S	21.67		21.67		196.93	200.77	198.87	200.84	0.001844	1.14	1.14	18.97	66.45	0.25	0.25
Fosso Rigo	Tratto 1	120	Max WS	SP Q200 7H S	21.50		21.50		196.93	200.75	198.86	200.82	0.001862	1.14	1.14	18.79	66.22	0.25	0.25
Fosso Rigo	Tratto 1	119			Lat Struct														
Fosso Rigo	Tratto 1	118.5			Lat Struct														
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 2H S	21.28		21.28		196.34	200.34	198.88	200.46	0.004135	1.51	1.51	14.07	177.50	0.31	0.31
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 3H S	21.40		21.40		196.34	200.40	198.88	200.51	0.003868	1.49	1.49	14.40	194.41	0.30	0.30
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 4H S	21.51		21.51		196.34	200.43	198.89	200.54	0.003778	1.48	1.48	14.55	195.54	0.30	0.30
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 5H S	21.56		21.56		196.34	200.44	198.88	200.55	0.003751	1.48	1.48	14.60	195.93	0.30	0.30
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 6H S	21.47		21.47		196.34	200.43	198.89	200.54	0.003734	1.47	1.47	14.58	195.82	0.30	0.30
Fosso Rigo	Tratto 1	110	Max WS	SP Q200 7H S	21.05		21.05		196.34	200.42	198.87	200.52	0.003667	1.45	1.45	14.49	195.08	0.29	0.29
Fosso Rigo	Tratto 1	109.9			Lat Struct														
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 2H S	17.55		17.55		195.77	200.22	197.85	200.25	0.000786	0.71	0.71	24.88	42.72	0.17	0.17
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 3H S	13.34		13.34		195.77	200.33	197.57	200.34	0.000380	0.51	0.51	26.38	46.33	0.12	0.12
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 4H S	12.07		12.07		195.77	200.36	197.47	200.37	0.000293	0.45	0.45	26.89	46.51	0.10	0.10
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 5H S	11.73		11.73		195.77	200.37	197.45	200.38	0.000272	0.43	0.43	27.04	46.55	0.10	0.10
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 6H S	11.69		11.69		195.77	200.37	197.44	200.38	0.000271	0.43	0.43	27.01	46.54	0.10	0.10
Fosso Rigo	Tratto 1	108	Max WS	SP Q200 7H S	11.61		11.61		195.77	200.36	197.43	200.37	0.000274	0.43	0.43	26.81	46.49	0.10	0.10
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 2H S	41.82		41.82		195.60	200.19	198.00	200.24	0.001239	1.06	1.06	39.59	34.94	0.23	0.23
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 3H S	47.15		47.15		195.60	200.27	198.13	200.34	0.001533	1.14	1.14	41.20	37.22	0.26	0.26
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 4H S	49.02		49.02		195.60	200.30	198.18	200.37	0.001581	1.17	1.17	41.79	37.22	0.26	0.26
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 5H S	49.55		49.55		195.60	200.31	198.19	200.38	0.001592	1.18	1.18	41.97	37.22	0.26	0.26
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 6H S	49.11		49.11		195.60	200.31	198.18	200.38	0.001566	1.17	1.17	41.95	37.22	0.26	0.26
Fosso Rigo	Tratto 2	105	Max WS	SP Q200 7H S	46.75		46.75		195.60	200.30	198.12	200.36	0.001436	1.12	1.12	41.80	37.22	0.25	0.25
Fosso Rigo	Tratto 2	104			Lat Struct														
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 2H S	31.02		31.02		195.30	200.19	197.38	200.21	0.000472	0.68	0.68	45.63	37.22	0.15	0.15
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 3H S	31.51		31.51		195.30	200.28	197.41	200.30	0.000425	0.66	0.66	47.52	37.22	0.14	0.14
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 4H S	31.64		31.64		195.30	200.31	197.41	200.33	0.000409	0.66	0.66	48.20	37.22	0.14	0.14
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 5H S	31.65		31.65		195.30	200.32	197.41	200.34	0.000404	0.65	0.65	48.40	37.22	0.14	0.14
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 6H S	31.56		31.56		195.30	200.32	197.41	200.34	0.000402	0.65	0.65	48.37	37.22	0.14	0.14
Fosso Rigo	Tratto 2	100	Max WS	SP Q200 7H S	31.46		31.46		195.30	200.31	197.40	200.33	0.000407	0.65	0.65	48.10	37.22	0.14	0.14
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 2H S	76.96		76.96		195.21	200.08	197.77	200.17	0.001215	1.31	1.31	58.91	69.94	0.25	0.25
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 3H S	80.94		80.94		195.21	200.17	197.83	200.26	0.001216	1.33	1.33	60.71	69.94	0.25	0.25

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 4H S	82.40		82.40		195.21	200.20	197.85	200.30	0.001216	1.34	1.34	61.35	69.94	0.25	0.25
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 5H S	82.89		82.89		195.21	200.21	197.86	200.31	0.001218	1.35	1.35	61.55	69.94	0.25	0.25
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 6H S	82.78		82.78		195.21	200.21	197.86	200.30	0.001217	1.35	1.35	61.52	69.94	0.25	0.25
Fosso Rigo	Tratto 3	90	Max WS	SP Q200 7H S	82.10		82.10		195.21	200.20	197.85	200.29	0.001213	1.34	1.34	61.27	69.94	0.25	0.25
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 2H S	76.96	1.05	75.38	0.53	195.17	200.07	197.75	200.15	0.001185	1.13	1.28	67.92	47.62	0.34	0.24
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 3H S	80.95	1.39	78.70	0.86	195.17	200.16	197.81	200.24	0.001168	1.12	1.30	72.13	47.62	0.33	0.24
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 4H S	82.40	1.52	79.88	0.99	195.17	200.19	197.84	200.28	0.001162	1.12	1.31	73.63	47.62	0.33	0.24
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 5H S	82.89	1.56	80.29	1.04	195.17	200.20	197.84	200.29	0.001162	1.12	1.31	74.06	47.62	0.33	0.24
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 6H S	82.78	1.56	80.19	1.03	195.17	200.20	197.83	200.28	0.001161	1.12	1.31	74.00	47.62	0.33	0.24
Fosso Rigo	Tratto 3	80	Max WS	SP Q200 7H S	82.10	1.50	79.62	0.98	195.17	200.19	197.83	200.27	0.001160	1.12	1.30	73.42	47.62	0.33	0.24
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 2H S	76.96	2.54	71.18	3.20	195.17	200.02	197.66	200.11		2.55	3.15	30.12	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 3H S	80.95	3.68	72.46	4.74	195.17	200.11	197.71	200.20		2.51	3.20	32.30	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 4H S	82.40	4.09	72.92	5.30	195.17	200.14	197.73	200.23		2.50	3.22	33.03	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 5H S	82.89	4.22	73.12	5.47	195.17	200.15	197.74	200.23		2.49	3.23	33.25	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 6H S	82.78	4.19	73.08	5.43	195.17	200.14	197.74	200.23		2.49	3.23	33.20	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR U	Max WS	SP Q200 7H S	82.10	4.03	72.77	5.22	195.17	200.13	197.73	200.22		2.49	3.22	32.93	25.12	0.46	0.46
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 2H S	76.96	2.54	71.18	3.20	195.11	200.02	197.45	200.11		2.54	2.83	30.28	22.53	0.43	0.43
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 3H S	80.95	3.68	72.46	4.74	195.11	200.11	197.50	200.20		2.51	2.89	32.24	22.53	0.44	0.44
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 4H S	82.40	4.09	72.92	5.30	195.11	200.14	197.52	200.23		2.51	2.90	32.89	22.53	0.44	0.44
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 5H S	82.89	4.22	73.12	5.47	195.11	200.15	197.52	200.23		2.50	2.91	33.09	22.53	0.44	0.44
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 6H S	82.78	4.19	73.08	5.43	195.11	200.14	197.53	200.23		2.50	2.91	33.05	22.53	0.44	0.44
Fosso Rigo	Tratto 3	75 BR D	Max WS	SP Q200 7H S	82.10	4.03	72.77	5.22	195.11	200.13	197.52	200.22		2.50	2.90	32.80	22.53	0.44	0.44
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 2H S	76.65		76.65		195.11	199.32	197.53	199.46	0.002237	1.64	1.64	46.84	17.57	0.32	0.32
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 3H S	80.67		80.67		195.11	199.38	197.59	199.53	0.002339	1.69	1.69	47.86	17.75	0.33	0.33
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 4H S	82.38		82.38		195.11	199.40	197.61	199.55	0.002392	1.71	1.71	48.20	17.81	0.33	0.33
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 5H S	82.87		82.87		195.11	199.41	197.62	199.56	0.002410	1.72	1.72	48.29	17.83	0.33	0.33
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 6H S	82.77		82.77		195.11	199.41	197.62	199.56	0.002404	1.71	1.71	48.29	17.83	0.33	0.33
Fosso Rigo	Tratto 3	70	Max WS	SP Q200 7H S	82.09		82.09		195.11	199.40	197.61	199.55	0.002376	1.70	1.70	48.20	17.81	0.33	0.33
Fosso Rigo	Tratto 3	69			Lat Struct														
Fosso Rigo	Tratto 3	68			Lat Struct														
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 2H S	76.24		75.65	0.60	194.96	199.28	197.42	199.39	0.001793	1.44	1.52	52.85	47.32	0.34	0.29
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 3H S	80.03		79.24	0.79	194.96	199.34	197.47	199.46	0.001847	1.47	1.56	54.41	47.96	0.35	0.30
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 4H S	81.65		80.79	0.86	194.96	199.35	197.50	199.48	0.001882	1.49	1.58	54.91	48.27	0.35	0.30
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 5H S	82.13		81.25	0.88	194.96	199.36	197.50	199.48	0.001894	1.49	1.58	55.04	48.34	0.35	0.30
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 6H S	82.03		81.15	0.88	194.96	199.36	197.50	199.48	0.001889	1.49	1.58	55.05	48.35	0.35	0.30
Fosso Rigo	Tratto 3	60	Max WS	SP Q200 7H S	81.36		80.50	0.86	194.96	199.35	197.49	199.48	0.001868	1.48	1.57	54.91	48.27	0.35	0.30
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 2H S	72.98		72.98		194.25	198.94	197.05	199.09	0.002427	1.70	1.70	42.87	54.15	0.33	0.33
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 3H S	74.07		74.07		194.25	199.04	197.07	199.18	0.002268	1.67	1.67	44.31	59.55	0.32	0.32
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 4H S	74.51		74.51		194.25	199.06	197.08	199.21	0.002225	1.66	1.66	44.77	60.78	0.32	0.32
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 5H S	74.46		74.46		194.25	199.07	197.07	199.21	0.002199	1.66	1.66	44.93	61.22	0.31	0.31
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 6H S	74.33		74.33		194.25	199.08	197.07	199.22	0.002185	1.65	1.65	44.97	61.32	0.31	0.31
Fosso Rigo	Tratto 3	50	Max WS	SP Q200 7H S	73.97		73.97		194.25	199.07	197.07	199.21	0.002175	1.65	1.65	44.89	61.13	0.31	0.31
Fosso Rigo	Tratto 3	48			Lat Struct														
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 2H S	72.85		72.85		194.06	198.80	197.07	198.98	0.003175	1.89	1.89	38.56	16.32	0.37	0.37
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 3H S	73.76		73.76		194.06	198.90	197.09	199.07	0.002939	1.84	1.84	40.05	18.80	0.35	0.35
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 4H S	73.82		73.82		194.06	198.94	197.09	199.11	0.002844	1.82	1.82	40.56	19.66	0.35	0.35
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 5H S	73.67		73.67		194.06	198.95	197.09	199.12	0.002791	1.81	1.81	40.76	20.30	0.34	0.34
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 6H S	73.53		73.53		194.06	198.95	197.08	199.12	0.002770	1.80	1.80	40.82	20.72	0.34	0.34
Fosso Rigo	Tratto 3	40	Max WS	SP Q200 7H S	73.23		73.23		194.06	198.95	197.08	199.11	0.002761	1.80	1.80	40.75	20.19	0.34	0.34
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 2H S	72.69		72.69		193.43	198.46	196.41	198.61	0.002389	1.71	1.71	42.39	24.05	0.32	0.32
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 3H S	73.59		73.59		193.43	198.59	196.43	198.73	0.002159	1.66	1.66	44.33	26.01	0.30	0.30
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 4H S	73.36		73.36		193.43	198.64	196.42	198.78	0.002042	1.63	1.63	45.06	26.06	0.30	0.30

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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 5H S	72.98		72.98		193.43	198.66	196.42	198.80	0.001979	1.61	1.61	45.37	26.27	0.29	0.29
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 6H S	72.83		72.83		193.43	198.67	196.42	198.80	0.001959	1.60	1.60	45.46	26.51	0.29	0.29
Fosso Rigo	Tratto 3	35	Max WS	SP Q200 7H S	72.58		72.58		193.43	198.67	196.41	198.80	0.001952	1.60	1.60	45.42	26.38	0.29	0.29
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 2H S	100.76		69.26	31.51	193.10	197.87	196.72	197.99	0.003787	0.90	1.81	112.40	148.58	0.55	0.39
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 3H S	122.03		77.11	44.92	193.10	198.01	197.65	198.13	0.003900	0.92	1.89	132.87	158.22	0.52	0.40
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 4H S	130.79		80.07	50.72	193.10	198.06	197.69	198.18	0.003936	0.93	1.92	141.05	162.06	0.51	0.41
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 5H S	134.75		81.50	53.24	193.10	198.08	197.71	198.20	0.003974	0.93	1.93	144.29	163.57	0.51	0.41
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 6H S	135.96		81.99	53.97	193.10	198.09	197.71	198.21	0.003996	0.94	1.94	145.09	163.94	0.51	0.41
Fosso Rigo	Tratto 4	30	Max WS	SP Q200 7H S	135.45		81.96	53.49	193.10	198.08	197.71	198.20	0.004021	0.94	1.94	144.19	163.53	0.51	0.41
Fosso Rigo	Tratto 4	29			Lat Struct														
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 2H S	99.54		55.51	44.03	192.86	197.46	196.09	197.52	0.002381	0.64	1.38	155.29	204.18	0.37	0.31
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 3H S	120.62		62.46	58.16	192.86	197.58	196.42	197.64	0.002533	0.68	1.47	176.91	214.47	0.36	0.32
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 4H S	128.88		64.85	64.03	192.86	197.63	197.14	197.69	0.002530	0.69	1.49	186.37	215.72	0.36	0.32
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 5H S	132.10		65.85	66.25	192.86	197.65	197.14	197.71	0.002544	0.70	1.51	189.56	216.14	0.36	0.32
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 6H S	132.77		66.07	66.70	192.86	197.65	197.14	197.71	0.002549	0.70	1.51	190.14	216.21	0.36	0.32
Fosso Rigo	Tratto 4	20	Max WS	SP Q200 7H S	131.95		65.99	65.97	192.86	197.64	197.14	197.70	0.002577	0.70	1.51	188.46	215.99	0.36	0.32
Fosso Rigo	Tratto 4	19			Lat Struct														
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 2H S	97.83		67.47	30.36	192.61	197.12	195.88	197.24	0.002810	0.77	1.83	126.96	208.44	0.60	0.34
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 3H S	112.90		71.72	41.18	192.61	197.23	196.11	197.34	0.002804	0.76	1.88	148.14	215.12	0.56	0.35
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 4H S	119.72		72.28	47.44	192.61	197.29	196.24	197.40	0.002643	0.74	1.85	161.54	217.60	0.52	0.34
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 5H S	117.60		69.81	47.80	192.61	197.32	196.19	197.41	0.002407	0.71	1.77	165.99	218.02	0.49	0.32
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 6H S	123.03		73.11	49.92	192.61	197.32	196.92	197.42	0.002644	0.74	1.86	165.69	217.99	0.51	0.34
Fosso Rigo	Tratto 4	10	Max WS	SP Q200 7H S	121.32		73.00	48.32	192.61	197.30	196.29	197.41	0.002684	0.75	1.87	162.40	217.68	0.52	0.34
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 2H S	93.02		89.81	3.21	192.58	196.56	195.77	197.00	0.009179	2.19	2.98	42.40	128.19	1.63	0.61
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 3H S	112.69		87.46	25.23	192.58	196.92	196.08	197.17	0.005711	1.17	2.52	96.26	177.00	0.94	0.49
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 4H S	119.71		84.91	34.80	192.58	197.04	196.21	197.24	0.004722	1.02	2.35	117.35	205.00	0.80	0.45
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 5H S	119.50		83.91	35.59	192.58	197.07	196.20	197.26	0.004458	0.97	2.30	122.82	208.10	0.77	0.43
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 6H S	123.03		86.57	36.47	192.58	197.06	196.89	197.27	0.004758	1.01	2.37	122.36	208.07	0.80	0.45
Fosso Rigo	Tratto 4	5	Max WS	SP Q200 7H S	121.32		86.75	34.57	192.58	197.03	196.26	197.24	0.004994	1.05	2.41	115.30	203.56	0.83	0.46
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 2H S	27.24	13.51	1.48	12.26	198.69	200.61	200.12	200.61	0.000165	0.08	0.19	341.17	723.91	0.04	0.06
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 3H S	19.74	9.92	0.95	8.87	198.69	200.71	200.08	200.71	0.000048	0.05	0.11	413.14	742.86	0.02	0.03
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 4H S	21.00	10.60	0.96	9.43	198.69	200.75	200.09	200.75	0.000042	0.05	0.10	447.53	751.87	0.02	0.03
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 5H S	21.46	10.84	0.97	9.65	198.69	200.77	200.09	200.77	0.000041	0.05	0.10	458.10	755.68	0.02	0.03
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 6H S	21.33	10.77	0.97	9.59	198.69	200.76	200.09	200.76	0.000042	0.05	0.10	454.42	754.36	0.02	0.03
Fosso Canale	Fosso di Canale	80	Max WS	SP Q200 7H S	23.79	11.99	1.11	10.69	198.69	200.73	200.11	200.73	0.000061	0.06	0.12	430.41	747.34	0.02	0.04
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 2H S	23.51	6.09	3.20	14.22	198.22	200.58		200.58	0.000124	0.07	0.25	318.32	668.59	0.05	0.06
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 3H S	30.68	8.29	3.37	19.02	198.22	200.69		200.69	0.000113	0.08	0.25	393.07	712.53	0.05	0.06
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 4H S	33.45	8.65	3.46	21.34	198.22	200.74		200.74	0.000110	0.08	0.25	427.38	731.21	0.04	0.06
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 5H S	34.08	8.89	3.44	21.76	198.22	200.76		200.76	0.000106	0.08	0.24	437.64	732.90	0.04	0.05
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 6H S	32.89	8.56	3.34	20.99	198.22	200.75		200.75	0.000101	0.08	0.24	434.52	732.39	0.04	0.05
Fosso Canale	Fosso di Canale	75	Max WS	SP Q200 7H S	29.90	7.61	3.23	19.06	198.22	200.72		200.72	0.000099	0.07	0.23	410.02	728.35	0.04	0.05
Fosso Canale	Fosso di Canale	72			Culvert														
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 2H S	23.67	6.13	3.22	14.31	198.22	200.58	199.76	200.58	0.000125	0.07	0.25	318.32	668.59	0.05	0.06
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 3H S	30.68	8.29	3.37	19.02	198.22	200.69	200.11	200.69	0.000113	0.08	0.25	393.07	712.53	0.05	0.06
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 4H S	33.32	8.62	3.44	21.26	198.22	200.74	200.11	200.74	0.000109	0.08	0.25	427.38	731.21	0.04	0.06
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 5H S	33.99	8.86	3.43	21.69	198.22	200.76	200.11	200.76	0.000105	0.08	0.24	437.64	732.90	0.04	0.05
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 6H S	32.81	8.54	3.33	20.94	198.22	200.75	200.11	200.75	0.000100	0.08	0.24	434.52	732.39	0.04	0.05
Fosso Canale	Fosso di Canale	70	Max WS	SP Q200 7H S	29.90	7.61	3.23	19.06	198.22	200.72	200.11	200.72	0.000099	0.07	0.23	410.02	728.35	0.04	0.05
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 2H S	26.86	13.57	1.97	11.32	198.29	200.57	199.90	200.57	0.000062	0.06	0.11	443.33	695.12	0.03	0.04
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 3H S	35.47	17.57	2.47	15.44	198.29	200.68	199.90	200.68	0.000065	0.07	0.13	520.00	703.16	0.03	0.04
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 4H S	39.32	19.33	2.68	17.30	198.29	200.73	199.92	200.73	0.000065	0.07	0.13	553.48	705.11	0.03	0.04
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 5H S	40.30	19.78	2.73	17.79	198.29	200.75	199.93	200.75	0.000065	0.07	0.13	563.58	705.69	0.03	0.04

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl	
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 6H S	39.61	19.45	2.69	17.47	198.29	200.74	199.93	200.74	0.000064	0.07	0.13	560.58	705.52	0.03	0.04	
Fosso Canale	Fosso di Canale	60	Max WS	SP Q200 7H S	36.04	17.78	2.48	15.78	198.29	200.71	199.91	200.71	0.000061	0.07	0.12	537.16	704.16	0.03	0.04	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 2H S	30.58	7.03	4.88	18.67	197.95	200.56	199.92	200.56	0.000116	0.09	0.19	353.58	561.15	0.04	0.06	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 3H S	43.56	10.83	6.32	26.40	197.95	200.67	199.97	200.67	0.000144	0.11	0.22	413.58	564.96	0.05	0.06	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 4H S	49.38	12.61	6.92	29.85	197.95	200.72	199.99	200.72	0.000152	0.11	0.23	439.98	567.03	0.05	0.07	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 5H S	51.23	13.20	7.10	30.93	197.95	200.73	200.00	200.73	0.000155	0.11	0.24	448.10	567.06	0.05	0.07	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 6H S	50.62	13.00	7.04	30.57	197.95	200.73	199.99	200.73	0.000154	0.11	0.24	445.68	567.05	0.05	0.07	
Fosso Canale	Fosso di Canale	50	Max WS	SP Q200 7H S	46.43	11.70	6.62	28.12	197.95	200.69	199.98	200.69	0.000148	0.11	0.23	427.36	566.53	0.05	0.06	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 2H S	30.58	8.02	2.72	19.84	197.95	200.56	199.91	200.56	0.000132	0.09	0.15	349.81	561.12	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 3H S	43.56	12.08	3.69	27.78	197.95	200.67	199.94	200.67	0.000161	0.11	0.17	409.56	564.80	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 4H S	49.38	13.95	4.11	31.31	197.95	200.71	199.95	200.71	0.000169	0.11	0.19	436.04	567.03	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 5H S	51.23	14.57	4.24	32.42	197.95	200.73	199.95	200.73	0.000171	0.12	0.19	444.04	567.05	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 6H S	50.62	14.37	4.20	32.05	197.95	200.72	199.95	200.72	0.000170	0.11	0.19	441.77	567.05	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR U	Max WS	SP Q200 7H S	46.43	13.00	3.90	29.53	197.95	200.69	199.94	200.69	0.000164	0.11	0.18	423.39	566.38	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 2H S	30.58	7.01	1.34	22.24	197.93	200.56	199.95	200.56	0.000183	0.10	0.16	297.97	460.22	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 3H S	43.56	10.41	1.77	31.37	197.93	200.67	199.98	200.67	0.000225	0.13	0.19	346.83	461.49	0.02	0.02	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 4H S	49.38	11.98	1.95	35.45	197.93	200.71	199.99	200.71	0.000237	0.13	0.20	368.41	462.18	0.03	0.03	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 5H S	51.23	12.48	2.01	36.74	197.93	200.73	200.00	200.73	0.000241	0.14	0.20	374.91	462.39	0.03	0.03	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 6H S	50.62	12.31	1.99	36.31	197.93	200.72	199.99	200.72	0.000239	0.14	0.20	373.07	462.33	0.03	0.03	
Fosso Canale	Fosso di Canale	45 BR D	Max WS	SP Q200 7H S	46.43	11.19	1.86	33.38	197.93	200.69	199.99	200.69	0.000230	0.13	0.19	358.11	461.85	0.03	0.03	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 2H S	30.58	6.64	2.85	21.09	197.93	200.56	199.99	200.56	0.000165	0.10	0.24	301.09	460.20	0.05	0.06	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 3H S	43.59	9.96	3.61	30.02	197.93	200.66	200.03	200.66	0.000207	0.12	0.28	349.82	461.47	0.05	0.07	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 4H S	49.33	11.47	3.91	33.95	197.93	200.71	200.05	200.71	0.000219	0.13	0.29	371.36	462.16	0.05	0.08	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 5H S	51.13	11.94	4.01	35.18	197.93	200.72	200.05	200.73	0.000223	0.14	0.30	377.85	462.36	0.05	0.08	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 6H S	50.62	11.81	3.98	34.83	197.93	200.72	200.05	200.72	0.000222	0.13	0.29	376.01	462.31	0.05	0.08	
Fosso Canale	Fosso di Canale	40	Max WS	SP Q200 7H S	46.40	10.70	3.76	31.95	197.93	200.69	200.04	200.69	0.000212	0.13	0.28	361.08	461.83	0.05	0.07	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 2H S	30.43	5.57	3.57	21.29	197.75	200.54	199.92	200.54	0.000173	0.12	0.30	256.89	327.14	0.05	0.07	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 3H S	43.39	8.07	4.58	30.73	197.75	200.64	199.97	200.64	0.000241	0.15	0.36	289.15	328.22	0.06	0.08	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 4H S	49.14	9.20	4.98	34.97	197.75	200.68	199.99	200.68	0.000265	0.16	0.38	303.77	328.70	0.06	0.08	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 5H S	51.00	9.56	5.10	36.34	197.75	200.69	199.99	200.70	0.000272	0.17	0.39	308.18	328.85	0.06	0.09	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 6H S	50.48	9.46	5.07	35.95	197.75	200.69	199.99	200.69	0.000271	0.16	0.39	306.87	328.80	0.06	0.09	
Fosso Canale	Fosso di Canale	30	Max WS	SP Q200 7H S	46.38	8.66	4.79	32.93	197.75	200.66	199.98	200.66	0.000254	0.16	0.37	296.75	328.47	0.06	0.08	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 2H S	30.39	7.28	9.92	13.19	197.66	200.52		200.52	0.000225	0.15	0.28	203.46	256.44	0.07	0.08	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 3H S	43.36	10.65	13.41	19.30	197.66	200.61		200.61	0.000328	0.19	0.35	226.72	257.71	0.08	0.10	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 4H S	49.08	12.16	14.85	22.07	197.66	200.65		200.66	0.000365	0.21	0.38	237.50	258.52	0.08	0.10	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 5H S	50.94	12.65	15.32	22.97	197.66	200.67		200.67	0.000377	0.21	0.39	240.74	258.77	0.09	0.10	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 6H S	50.44	12.52	15.20	22.72	197.66	200.66		200.67	0.000375	0.21	0.39	239.79	258.70	0.09	0.10	
Fosso Canale	Fosso di Canale	20	Max WS	SP Q200 7H S	46.36	11.44	14.18	20.75	197.66	200.63		200.64	0.000349	0.20	0.37	232.31	258.13	0.08	0.10	
Fosso Canale	Fosso di Canale	19			Culvert															
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 2H S	30.39	7.26	9.96	13.17	197.66	200.51	199.47	200.52	0.000230	0.15	0.28	201.97	256.38	0.07	0.08	
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 3H S	43.35	10.63	13.45	19.27	197.66	200.61	199.83	200.61	0.000335	0.19	0.36	225.23	257.60	0.08	0.10	
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 4H S	49.08	12.14	14.89	22.04	197.66	200.65	199.86	200.65	0.000372	0.21	0.38	236.16	258.42	0.09	0.10	
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 5H S	50.94	12.64	15.35	22.94	197.66	200.66	199.87	200.66	0.000383	0.21	0.39	239.55	258.68	0.09	0.10	
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 6H S	50.43	12.50	15.23	22.70	197.66	200.66	199.87	200.66	0.000380	0.21	0.39	238.60	258.61	0.09	0.10	
Fosso Canale	Fosso di Canale	18	Max WS	SP Q200 7H S	46.36	11.42	14.22	20.72	197.66	200.63	199.85	200.63	0.000356	0.20	0.37	230.81	258.02	0.08	0.10	
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 2H S	26.03	0.82	15.23	9.98	196.94	200.42		198.83	200.44	0.001053	0.37	0.81	69.85	104.32	0.25	0.17
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 3H S	37.56	1.20	21.82	14.54	196.94	200.43		199.24	200.47	0.002140	0.53	1.16	70.58	104.47	0.35	0.24
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 4H S	41.43	1.35	23.73	16.35	196.94	200.44		199.36	200.49	0.002481	0.57	1.25	72.11	104.78	0.37	0.26
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 5H S	42.51	1.39	24.21	16.91	196.94	200.45		199.39	200.50	0.002562	0.58	1.28	72.75	104.92	0.38	0.26
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 6H S	42.17	1.38	24.06	16.73	196.94	200.45		199.38	200.49	0.002536	0.58	1.27	72.56	104.88	0.38	0.26
Fosso Canale	Fosso di Canale	15	Max WS	SP Q200 7H S	39.53	1.27	22.80	15.45	196.94	200.43		199.30	200.48	0.002314	0.55	1.21	71.35	104.63	0.36	0.25
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 2H S	26.03	0.41	7.02	18.60	196.94	200.29		199.08	200.31	0.009659	0.61	1.01	42.99	98.21	0.12	0.12
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 3H S	37.56	0.95	7.74	28.87	196.94	200.40		200.21	200.43	0.010597	0.69	1.00	54.20	103.87	0.13	0.13

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 4H S	41.43	1.16	8.19	32.08	196.94	200.43	200.23	200.46	0.010608	0.72	1.02	57.73	104.60	0.13	0.13
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 5H S	42.51	1.22	8.31	32.98	196.94	200.44	200.18	200.47	0.010571	0.72	1.03	58.77	104.82	0.13	0.13
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 6H S	42.17	1.20	8.26	32.71	196.94	200.44	200.18	200.47	0.010538	0.72	1.02	58.52	104.77	0.13	0.13
Fosso Canale	Fosso di Canale	12.5 BR U	Max WS	SP Q200 7H S	39.53	1.08	7.91	30.55	196.94	200.42	200.17	200.45	0.010216	0.70	0.99	56.69	104.39	0.13	0.13
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 2H S	26.03	0.25	9.09	16.70	196.94	200.23	199.08	200.28	0.011725	0.69	1.34	37.76	89.63	0.16	0.16
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 3H S	37.56	0.80	8.29	28.47	196.94	200.35	200.21	200.38	0.014496	0.77	1.13	48.97	102.77	0.14	0.14
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 4H S	41.43	1.00	8.72	31.71	196.94	200.38	200.23	200.42	0.014211	0.79	1.14	52.52	103.52	0.14	0.14
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 5H S	42.51	1.06	8.82	32.63	196.94	200.39	200.18	200.43	0.014060	0.79	1.14	53.59	103.74	0.14	0.14
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 6H S	42.17	1.04	8.78	32.35	196.94	200.39	200.18	200.43	0.014015	0.79	1.14	53.37	103.70	0.14	0.14
Fosso Canale	Fosso di Canale	12.5 BR D	Max WS	SP Q200 7H S	39.53	0.93	8.40	30.20	196.94	200.37	200.17	200.41	0.013546	0.76	1.11	51.75	103.36	0.14	0.14
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 2H S	26.27	0.62	18.79	6.87	196.94	200.22	198.84	200.27	0.002126	0.53	1.09	49.97	100.54	0.42	0.23
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 3H S	37.47	1.02	24.58	11.87	196.94	200.30	199.24	200.37	0.003230	0.65	1.38	58.07	101.84	0.48	0.29
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 4H S	41.39	1.18	26.35	13.87	196.94	200.33	199.36	200.41	0.003556	0.68	1.46	61.06	102.47	0.49	0.31
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 5H S	42.51	1.22	26.80	14.48	196.94	200.34	199.39	200.42	0.003633	0.69	1.47	62.00	102.67	0.49	0.31
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 6H S	42.17	1.21	26.63	14.33	196.94	200.34	199.38	200.41	0.003594	0.68	1.47	61.84	102.64	0.49	0.31
Fosso Canale	Fosso di Canale	10	Max WS	SP Q200 7H S	39.51	1.12	25.22	13.17	196.94	200.33	199.30	200.40	0.003274	0.65	1.40	60.75	102.41	0.47	0.29
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 2H S	24.25	0.63	16.58	7.04	196.89	200.22	198.71	200.25	0.001558	0.45	0.94	54.05	100.98	0.34	0.20
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 3H S	33.79	0.97	21.34	11.48	196.89	200.29	199.06	200.34	0.002307	0.55	1.17	61.84	102.64	0.39	0.25
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 4H S	36.95	1.10	22.67	13.18	196.89	200.32	199.17	200.37	0.002499	0.57	1.23	64.79	103.26	0.40	0.26
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 5H S	37.81	1.14	22.99	13.69	196.89	200.33	199.20	200.38	0.002537	0.58	1.25	65.74	103.46	0.40	0.26
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 6H S	37.49	1.13	22.82	13.54	196.89	200.33	199.19	200.38	0.002504	0.57	1.24	65.61	103.43	0.39	0.26
Fosso Canale	Fosso di Canale	5	Max WS	SP Q200 7H S	35.15	1.04	21.60	12.51	196.89	200.32	199.10	200.36	0.002274	0.54	1.18	64.63	103.23	0.38	0.25
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 2H S	16.55		16.55		203.63	205.51	204.94	205.66	0.007031	1.75	1.75	9.45	51.62	0.50	0.50
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 3H S	18.96		18.96		203.63	205.64	205.04	205.81	0.006930	1.80	1.80	10.52	52.48	0.50	0.50
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 4H S	19.24		19.24		203.63	205.66	205.05	205.82	0.006906	1.81	1.81	10.64	52.58	0.50	0.50
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 5H S	18.82		18.82		203.63	205.64	205.03	205.80	0.006896	1.80	1.80	10.48	52.45	0.50	0.50
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 6H S	18.15		18.15		203.63	205.60	205.00	205.76	0.006893	1.78	1.78	10.20	52.23	0.50	0.50
F delle Macchie	F delle Macchie	100	Max WS	SP Q200 7H S	17.49		17.49		203.63	205.57	204.98	205.73	0.006875	1.76	1.76	9.93	52.01	0.50	0.50
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 2H S	16.02		16.02		201.98	203.94	203.30	204.07	0.005974	1.63	1.63	9.83	42.55	0.47	0.47
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 3H S	18.55		18.55		201.98	204.08	203.40	204.23	0.005893	1.68	1.68	11.02	43.40	0.47	0.47
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 4H S	18.96		18.96		201.98	204.11	203.42	204.26	0.005824	1.69	1.69	11.25	43.55	0.46	0.46
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 5H S	18.64		18.64		201.98	204.10	203.41	204.24	0.005825	1.68	1.68	11.11	43.46	0.46	0.46
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 6H S	18.00		18.00		201.98	204.06	203.38	204.20	0.005840	1.66	1.66	10.81	43.25	0.46	0.46
F delle Macchie	F delle Macchie	90	Max WS	SP Q200 7H S	17.39		17.39		201.98	204.02	203.36	204.16	0.005865	1.65	1.65	10.52	43.05	0.46	0.46
F delle Macchie	F delle Macchie	89			Lat Struct														
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 2H S	15.59		15.59		201.16	203.09	202.41	203.20	0.005021	1.50	1.50	10.40	50.07	0.43	0.43
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 3H S	18.21		18.21		201.16	203.25	202.51	203.37	0.005353	1.53	1.53	11.93	52.28	0.45	0.45
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 4H S	18.65		18.65		201.16	203.27	202.53	203.39	0.005385	1.54	1.54	12.14	52.45	0.45	0.45
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 5H S	18.42		18.42		201.16	203.27	202.52	203.38	0.005340	1.53	1.53	12.06	52.38	0.45	0.45
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 6H S	17.87		17.87		201.16	203.24	202.50	203.36	0.005288	1.51	1.51	11.81	52.19	0.44	0.44
F delle Macchie	F delle Macchie	80	Max WS	SP Q200 7H S	17.30		17.30		201.16	203.21	202.48	203.32	0.005305	1.51	1.51	11.49	51.90	0.44	0.44
F delle Macchie	F delle Macchie	79			Lat Struct														
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 2H S	15.18		15.18		200.25	202.11	201.56	202.26	0.006942	1.70	1.70	8.93	55.98	0.50	0.50
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 3H S	17.35		17.35		200.25	202.26	201.65	202.41	0.006550	1.72	1.72	10.07	57.49	0.49	0.49
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 4H S	18.18		18.18		200.25	202.29	201.68	202.45	0.006743	1.76	1.76	10.31	58.14	0.50	0.50
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 5H S	18.08		18.08		200.25	202.29	201.68	202.45	0.006727	1.76	1.76	10.28	58.05	0.50	0.50
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 6H S	17.71		17.71		200.25	202.27	201.67	202.42	0.006748	1.75	1.75	10.11	57.60	0.50	0.50
F delle Macchie	F delle Macchie	70	Max WS	SP Q200 7H S	17.21		17.21		200.25	202.24	201.65	202.39	0.006758	1.74	1.74	9.89	57.01	0.50	0.50
F delle Macchie	F delle Macchie	69			Lat Struct														
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 2H S	14.79		14.79		199.34	201.18	200.58	201.30	0.005685	1.54	1.54	9.60	50.62	0.46	0.46
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 3H S	16.65		16.65		199.34	201.41	200.65	201.52	0.004488	1.43	1.43	11.66	52.59	0.41	0.41
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 4H S	17.99		17.99		199.34	201.42	200.70	201.54	0.005146	1.53	1.53	11.76	52.71	0.44	0.44

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 5H S	17.93		17.93		199.34	201.41	200.71	201.53	0.005232	1.54	1.54	11.63	52.55	0.44	0.44
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 6H S	17.58		17.58		199.34	201.38	200.69	201.50	0.005292	1.55	1.55	11.34	52.21	0.44	0.44
F delle Macchie	F delle Macchie	60	Max WS	SP Q200 7H S	17.10		17.10		199.34	201.34	200.67	201.47	0.005319	1.55	1.55	11.00	51.80	0.45	0.45
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 2H S	14.69		14.69		198.14	200.09	199.52	200.23	0.006835	1.67	1.67	8.77	22.81	0.49	0.49
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 3H S	16.65		16.65		198.14	200.15	199.60	200.31	0.007782	1.81	1.81	9.18	23.08	0.53	0.53
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 4H S	17.94		17.94		198.14	200.15	199.66	200.34	0.008969	1.95	1.95	9.20	23.10	0.57	0.57
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 5H S	17.87		17.87		198.14	200.17	199.66	200.36	0.008481	1.91	1.91	9.37	23.21	0.55	0.55
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 6H S	17.56		17.56		198.14	200.17	199.65	200.35	0.008125	1.87	1.87	9.39	23.23	0.54	0.54
F delle Macchie	F delle Macchie	50	Max WS	SP Q200 7H S	17.09		17.09		198.14	200.16	199.62	200.33	0.007939	1.84	1.84	9.29	23.16	0.53	0.53
F delle Macchie	F delle Macchie	49			Lat Struct														
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 2H S	10.65		6.83	3.81	196.51	199.00	198.18	199.05	0.002127	0.60	1.20	17.85	62.99	0.52	0.31
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 3H S	15.86		6.68	9.19	196.51	199.27	198.60	199.30	0.001249	0.49	0.99	32.71	73.08	0.30	0.25
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 4H S	15.40		5.46	9.94	196.51	199.42	198.55	199.44	0.000622	0.37	0.74	42.01	77.72	0.20	0.18
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 5H S	10.97		3.63	7.34	196.51	199.49	198.21	199.49	0.000243	0.24	0.47	46.34	79.30	0.12	0.11
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 6H S	9.44		3.04	6.40	196.51	199.52	198.07	199.52	0.000162	0.20	0.39	48.19	79.97	0.10	0.09
F delle Macchie	F delle Macchie	40	Max WS	SP Q200 7H S	9.93		3.18	6.75	196.51	199.52	198.12	199.52	0.000177	0.21	0.41	48.46	80.06	0.10	0.10
F delle Macchie	F delle Macchie	39			Lat Struct														
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 2H S	23.59		22.76	0.83	195.93	198.71	197.73	198.78	0.001160	1.01	1.20	23.44	39.78	0.49	0.31
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 3H S	31.35		29.96	1.39	195.93	198.76	197.94	198.88	0.001804	1.22	1.53	25.79	46.97	0.64	0.39
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 4H S	31.32		29.91	1.40	195.93	198.77	197.94	198.88	0.001795	1.21	1.52	25.83	47.00	0.64	0.39
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 5H S	27.65		26.48	1.18	195.93	198.75	197.85	198.84	0.001462	1.11	1.37	24.93	44.78	0.57	0.35
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 6H S	27.55		26.37	1.18	195.93	198.75	197.85	198.84	0.001445	1.10	1.36	25.01	45.03	0.57	0.35
F delle Macchie	F delle Macchie	30	Max WS	SP Q200 7H S	27.64		26.46	1.18	195.93	198.75	197.85	198.84	0.001455	1.11	1.36	25.00	44.99	0.57	0.35
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 2H S	23.59	13.23	4.48	5.40	195.93	198.63	198.54	198.71		0.53	0.73	44.70	140.25	0.16	0.16
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 3H S	31.35	11.49	4.44	7.67	195.93	198.84	198.58	198.93		0.37	0.49	83.86	179.79	0.10	0.10
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 4H S	31.32	15.24	4.34	10.30	195.93	198.89	198.58	198.93		0.34	0.45	92.19	190.37	0.09	0.09
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 5H S	27.65	17.44	5.09	5.13	195.93	198.92	198.56	198.98	0.001099	0.34	0.57	81.64	196.83	0.07	0.07
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 6H S	27.55	17.27	4.98	5.31	195.93	198.95	198.56	199.01	0.000934	0.32	0.54	86.50	201.77	0.07	0.07
F delle Macchie	F delle Macchie	25 BR U	Max WS	SP Q200 7H S	27.64	17.32	4.99	5.34	195.93	198.95	198.56	199.01	0.000931	0.32	0.54	86.79	202.06	0.07	0.07
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 2H S	23.59	13.23	4.48	5.40	196.10	198.60	198.60	198.68		0.59	1.03	40.07	127.72	0.25	0.25
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 3H S	31.35	11.49	4.44	7.67	196.10	198.69	198.63	198.82		0.40	0.77	77.92	145.20	0.20	0.20
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 4H S	31.32	15.24	4.34	10.30	196.10	198.75	198.63	198.84		0.36	0.72	86.00	156.31	0.15	0.15
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 5H S	27.65	18.69	4.74	4.22	196.10	198.78	198.62	198.83	0.004446	0.55	1.00	49.83	161.11	0.12	0.12
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 6H S	27.55	18.61	4.64	4.31	196.10	198.79	198.61	198.84	0.004089	0.54	0.96	51.26	162.84	0.12	0.12
F delle Macchie	F delle Macchie	25 BR D	Max WS	SP Q200 7H S	27.64	18.67	4.66	4.32	196.10	198.78	198.62	198.84	0.004147	0.54	0.97	51.11	162.65	0.12	0.12
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 2H S	25.62	3.36	22.21	0.05	196.10	198.47	198.43	198.71	0.005303	1.47	2.33	17.46	45.40	1.12	0.61
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 3H S	42.65	12.42	28.89	1.35	196.10	198.69	198.75	198.93	0.005635	1.02	2.64	41.63	163.85	1.38	0.65
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 4H S	50.45	17.63	30.31	2.51	196.10	198.75	198.78	198.97	0.005524	0.97	2.67	51.79	182.25	1.26	0.64
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 5H S	53.49	19.82	30.47	3.20	196.10	198.78	198.83	198.99	0.005316	0.94	2.65	56.76	201.38	1.22	0.63
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 6H S	54.66	19.71	31.39	3.56	196.10	198.79	198.84	199.01	0.005548	0.93	2.71	58.56	205.83	1.25	0.65
F delle Macchie	F delle Macchie	20	Max WS	SP Q200 7H S	54.80	19.73	31.53	3.55	196.10	198.78	198.84	199.01	0.005608	0.94	2.73	58.37	205.52	1.25	0.65
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 2H S	28.31	2.24	11.65	14.42	194.95	198.08	197.80	198.10	0.000849	0.40	1.08	71.03	149.71	0.34	0.24
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 3H S	48.52	5.45	15.41	27.66	194.95	198.25	197.95	198.28	0.001133	0.49	1.32	98.47	164.25	0.33	0.28
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 4H S	57.42	7.02	16.78	33.62	194.95	198.32	197.99	198.35	0.001218	0.52	1.39	109.63	171.22	0.33	0.29
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 5H S	61.81	7.82	17.53	36.46	194.95	198.35	198.01	198.38	0.001275	0.54	1.44	114.77	176.64	0.34	0.30
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 6H S	63.14	8.06	17.76	37.32	194.95	198.36	198.01	198.39	0.001293	0.54	1.45	116.23	178.19	0.34	0.30
F delle Macchie	F delle Macchie	10	Max WS	SP Q200 7H S	62.90	8.00	17.76	37.14	194.95	198.35	198.01	198.39	0.001301	0.54	1.46	115.53	177.44	0.34	0.30
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 2H S	28.32	0.25	15.56	12.51	194.00	197.99	196.50	198.00	0.000265	0.29	0.56	97.46	151.64	0.17	0.15
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 3H S	48.50	0.75	24.14	23.61	194.00	198.12	197.04	198.14	0.000482	0.41	0.79	117.44	154.82	0.22	0.20
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 4H S	57.36	1.06	27.60	28.70	194.00	198.17	197.56	198.19	0.000570	0.46	0.88	125.16	156.31	0.23	0.22
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 5H S	61.68	1.17	29.32	31.18	194.00	198.19	197.59	198.21	0.000618	0.48	0.92	128.27	157.89	0.24	0.23
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 6H S	63.09	1.21	29.90	31.98	194.00	198.19	197.62	198.22	0.000637	0.49	0.94	129.04	158.19	0.24	0.23
F delle Macchie	F delle Macchie	5	Max WS	SP Q200 7H S	62.88	1.20	29.89	31.79	194.00	198.19	197.62	198.21	0.000643	0.49	0.94	128.27	157.89	0.25	0.23

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl
Amano	Fosso Amano	340	Max WS	SP Q200 2H S	59.76		59.76		201.87	205.49	204.07	205.76	0.003505	2.30	2.30	25.96	59.88	0.43	0.43
Amano	Fosso Amano	340	Max WS	SP Q200 3H S	75.00		75.00		201.87	205.69	204.39	206.06	0.004452	2.71	2.71	27.71	59.90	0.49	0.49
Amano	Fosso Amano	340	Max WS	SP Q200 4H S	82.68		82.68		201.87	205.77	204.54	206.20	0.004944	2.90	2.90	28.47	59.90	0.52	0.52
Amano	Fosso Amano	340	Max WS	SP Q200 5H S	85.76		85.76		201.87	205.80	204.60	206.26	0.005142	2.98	2.98	28.76	59.90	0.53	0.53
Amano	Fosso Amano	340	Max WS	SP Q200 6H S	86.13		86.13		201.87	205.81	204.60	206.26	0.005165	2.99	2.99	28.79	59.90	0.53	0.53
Amano	Fosso Amano	340	Max WS	SP Q200 7H S	85.04		85.04		201.87	205.80	204.58	206.24	0.005094	2.96	2.96	28.69	59.90	0.53	0.53
Amano	Fosso Amano	339	Max WS	SP Q200 2H S	59.76		59.76		201.82	205.41	204.02	205.69	0.003606	2.32	2.32	25.72	59.82	0.44	0.44
Amano	Fosso Amano	339	Max WS	SP Q200 3H S	74.99		74.99		201.82	205.57	204.34	205.96	0.004774	2.76	2.76	27.13	59.90	0.51	0.51
Amano	Fosso Amano	339	Max WS	SP Q200 4H S	82.69		82.69		201.82	205.63	204.49	206.09	0.005427	2.99	2.99	27.68	59.90	0.54	0.54
Amano	Fosso Amano	339	Max WS	SP Q200 5H S	85.76		85.76		201.82	205.66	204.55	206.14	0.005701	3.08	3.08	27.88	59.90	0.56	0.56
Amano	Fosso Amano	339	Max WS	SP Q200 6H S	86.13		86.13		201.82	205.66	204.55	206.14	0.005734	3.09	3.09	27.90	59.90	0.56	0.56
Amano	Fosso Amano	339	Max WS	SP Q200 7H S	85.04		85.04		201.82	205.65	204.54	206.13	0.005636	3.06	3.06	27.83	59.90	0.55	0.55
Amano	Fosso Amano	332			Lat Struct														
Amano	Fosso Amano	331			Lat Struct														
Amano	Fosso Amano	330	Max WS	SP Q200 2H S	53.94		53.94		201.78	205.12	204.43	205.60	0.008631	3.08	3.08	17.50	58.17	0.67	0.67
Amano	Fosso Amano	330	Max WS	SP Q200 3H S	65.41		65.41		201.78	205.28	204.75	205.89	0.010343	3.48	3.48	18.80	58.99	0.73	0.73
Amano	Fosso Amano	330	Max WS	SP Q200 4H S	71.29		71.29		201.78	205.32	204.90	206.03	0.011938	3.72	3.72	19.18	59.40	0.79	0.79
Amano	Fosso Amano	330	Max WS	SP Q200 5H S	73.61		73.61		201.78	205.34	204.95	206.08	0.012647	3.81	3.81	19.34	59.61	0.82	0.82
Amano	Fosso Amano	330	Max WS	SP Q200 6H S	73.90		73.90		201.78	205.34	204.96	206.08	0.012734	3.82	3.82	19.36	59.64	0.82	0.82
Amano	Fosso Amano	330	Max WS	SP Q200 7H S	73.07		73.07		201.78	205.34	204.94	206.07	0.012480	3.79	3.79	19.31	59.56	0.81	0.81
Amano	Fosso Amano	320	Max WS	SP Q200 2H S	53.15		53.15		200.81	203.96	203.08	204.30	0.005138	2.58	2.58	20.60	72.75	0.55	0.55
Amano	Fosso Amano	320	Max WS	SP Q200 3H S	61.88		61.88		200.81	204.00	203.29	204.44	0.006570	2.95	2.95	20.96	72.75	0.62	0.62
Amano	Fosso Amano	320	Max WS	SP Q200 4H S	65.31		65.31		200.81	204.01	203.36	204.50	0.007174	3.10	3.10	21.09	72.75	0.65	0.65
Amano	Fosso Amano	320	Max WS	SP Q200 5H S	66.59		66.59		200.81	204.02	203.39	204.52	0.007403	3.15	3.15	21.14	72.75	0.66	0.66
Amano	Fosso Amano	320	Max WS	SP Q200 6H S	66.74		66.74		200.81	204.02	203.40	204.53	0.007430	3.16	3.16	21.14	72.75	0.66	0.66
Amano	Fosso Amano	320	Max WS	SP Q200 7H S	66.29		66.29		200.81	204.02	203.38	204.52	0.007350	3.14	3.14	21.12	72.75	0.66	0.66
Amano	Fosso Amano	319			Lat Struct														
Amano	Fosso Amano	318.6			Lat Struct														
Amano	Fosso Amano	311	Max WS	SP Q200 2H S	44.39		44.39		200.42	203.49	202.47	203.75	0.004676	2.25	2.25	19.73	50.88	0.51	0.51
Amano	Fosso Amano	311	Max WS	SP Q200 3H S	47.83		47.83		200.42	203.54	202.56	203.82	0.005064	2.37	2.37	20.15	50.88	0.53	0.53
Amano	Fosso Amano	311	Max WS	SP Q200 4H S	49.27		49.27		200.42	203.55	202.60	203.85	0.005268	2.43	2.43	20.27	50.88	0.54	0.54
Amano	Fosso Amano	311	Max WS	SP Q200 5H S	49.82		49.82		200.42	203.55	202.62	203.86	0.005345	2.45	2.45	20.31	50.88	0.55	0.55
Amano	Fosso Amano	311	Max WS	SP Q200 6H S	49.88		49.88		200.42	203.55	202.62	203.86	0.005357	2.46	2.46	20.32	50.88	0.55	0.55
Amano	Fosso Amano	311	Max WS	SP Q200 7H S	49.69		49.69		200.42	203.55	202.62	203.86	0.005329	2.45	2.45	20.30	50.88	0.55	0.55
Amano	Fosso Amano	309			Lat Struct														
Amano	Fosso Amano	300	Max WS	SP Q200 2H S	44.19		44.19		199.58	202.42	201.58	202.72	0.005316	2.41	2.41	18.34	35.67	0.55	0.55
Amano	Fosso Amano	300	Max WS	SP Q200 3H S	45.90		45.90		199.58	202.48	201.62	202.78	0.005365	2.43	2.43	18.88	36.18	0.55	0.55
Amano	Fosso Amano	300	Max WS	SP Q200 4H S	46.42		46.42		199.58	202.50	201.63	202.80	0.005379	2.44	2.44	19.04	36.34	0.56	0.56
Amano	Fosso Amano	300	Max WS	SP Q200 5H S	46.60		46.60		199.58	202.50	201.64	202.81	0.005382	2.44	2.44	19.10	36.39	0.56	0.56
Amano	Fosso Amano	300	Max WS	SP Q200 6H S	46.62		46.62		199.58	202.50	201.64	202.81	0.005383	2.44	2.44	19.10	36.40	0.56	0.56
Amano	Fosso Amano	300	Max WS	SP Q200 7H S	46.55		46.55		199.58	202.50	201.64	202.80	0.005377	2.44	2.44	19.09	36.38	0.56	0.56
Amano	Fosso Amano	299			Lat Struct														
Amano	Fosso Amano	298			Lat Struct														
Amano	Fosso Amano	290	Max WS	SP Q200 2H S	44.19		44.19		198.51	201.04	200.59	201.48	0.009422	2.97	2.97	14.90	26.45	0.72	0.72
Amano	Fosso Amano	290	Max WS	SP Q200 3H S	45.89		45.89		198.51	201.10	200.64	201.55	0.009240	2.97	2.97	15.44	26.85	0.71	0.71
Amano	Fosso Amano	290	Max WS	SP Q200 4H S	46.41		46.41		198.51	201.12	200.66	201.57	0.009151	2.97	2.97	15.63	26.98	0.71	0.71
Amano	Fosso Amano	290	Max WS	SP Q200 5H S	46.59		46.59		198.51	201.13	200.66	201.58	0.009132	2.97	2.97	15.69	27.03	0.71	0.71
Amano	Fosso Amano	290	Max WS	SP Q200 6H S	46.62		46.62		198.51	201.13	200.66	201.58	0.009141	2.97	2.97	15.69	27.03	0.71	0.71
Amano	Fosso Amano	290	Max WS	SP Q200 7H S	46.49		46.49		198.51	201.12	200.66	201.57	0.009190	2.98	2.98	15.62	26.98	0.71	0.71

HEC-RAS 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 Total (m/s)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # XS	Froude # Chl	
Amano	Fosso Amano	289			Lat Struct															
Amano	Fosso Amano	288			Lat Struct															
Amano	Fosso Amano	285	Max WS	SP Q200 2H S	44.13		44.13		197.31	200.32	199.29	200.57	0.004567	2.24	2.24	19.73	74.68	0.51	0.51	
Amano	Fosso Amano	285	Max WS	SP Q200 3H S	45.85		45.85		197.31	200.41	199.34	200.66	0.004394	2.22	2.22	20.63	75.30	0.50	0.50	
Amano	Fosso Amano	285	Max WS	SP Q200 4H S	46.38		46.38		197.31	200.44	199.36	200.69	0.004312	2.21	2.21	20.97	75.52	0.50	0.50	
Amano	Fosso Amano	285	Max WS	SP Q200 5H S	46.58		46.58		197.31	200.45	199.37	200.70	0.004290	2.21	2.21	21.07	75.60	0.50	0.50	
Amano	Fosso Amano	285	Max WS	SP Q200 6H S	46.59		46.59		197.31	200.45	199.37	200.70	0.004300	2.21	2.21	21.06	75.59	0.50	0.50	
Amano	Fosso Amano	285	Max WS	SP Q200 7H S	46.35		46.35		197.31	200.44	199.36	200.69	0.004327	2.21	2.21	20.93	75.50	0.50	0.50	
Amano	Fosso Amano	284.6			Lat Struct															
Amano	Fosso Amano	284.5			Lat Struct															
Amano	Fosso Amano	280	Max WS	SP Q200 2H S	45.79		45.79		195.90	200.07	198.16	200.18	0.001772	1.47	1.47	31.20	42.46	0.33	0.33	
Amano	Fosso Amano	280	Max WS	SP Q200 3H S	49.35		49.35		195.90	200.15	198.25	200.27	0.001812	1.51	1.51	32.58	42.90	0.34	0.34	
Amano	Fosso Amano	280	Max WS	SP Q200 4H S	50.72		50.72		195.90	200.18	198.29	200.30	0.001831	1.53	1.53	33.07	43.06	0.34	0.34	
Amano	Fosso Amano	280	Max WS	SP Q200 5H S	51.19		51.19		195.90	200.19	198.30	200.31	0.001842	1.54	1.54	33.22	43.10	0.34	0.34	
Amano	Fosso Amano	280	Max WS	SP Q200 6H S	51.20		51.20		195.90	200.19	198.30	200.31	0.001847	1.54	1.54	33.19	43.09	0.34	0.34	
Amano	Fosso Amano	280	Max WS	SP Q200 7H S	50.59		50.59		195.90	200.18	198.29	200.30	0.001834	1.53	1.53	33.00	43.03	0.34	0.34	

HEC-RAS Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q Total	Q Culv Group	Q Weir	Culv Inv El Up	Min El Weir Flow	W.S. US.	E.G. US.	E.G. IC	E.G. OC	Culv Vel US	
					(m3/s)	(m3/s)	(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m/s)	
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 2H S	25.44	0.67	24.77	196.70	197.70	198.80	198.93	198.92	198.93	0.67
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 3H S	27.14	0.71	26.43	196.70	197.70	198.84	198.98	198.97	198.98	0.71
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 4H S	27.53	0.39	27.14	196.70	197.70	198.85	198.98	198.98	198.98	0.39
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 5H S	27.11	0.49	26.63	196.70	197.70	198.84	198.97	198.97	198.97	0.48
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 6H S	26.38	0.70	25.68	196.70	197.70	198.82	198.96	198.95	198.96	0.70
Fosso Serpenna	Tratto 1	4.25	Culvert #1	Max WS	SP Q200 7H S	24.22	0.90	23.31	196.70	197.70	198.77	198.90	198.88	198.90	0.90
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 2H S	18.02	4.74	13.29	195.56	197.69	198.37	198.33	198.20	198.33	1.51
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 3H S	19.12	4.36	14.76	195.56	197.69	198.39	198.35	198.22	198.35	1.39
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 4H S	19.39	4.26	15.13	195.56	197.69	198.39	198.37	198.23	198.37	1.36
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 5H S	19.17	4.18	14.99	195.56	197.69	198.38	198.36	198.23	198.36	1.33
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 6H S	18.79	4.20	14.59	195.56	197.69	198.37	198.35	198.22	198.35	1.34
Fosso Serpenna	Tratto 1	4.05	Culvert #1	Max WS	SP Q200 7H S	17.51	4.44	13.07	195.56	197.69	198.35	198.31	198.18	198.31	1.41
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 2H S	-23.51	-0.06	23.17	198.50	199.76	200.58	200.58	200.58	200.59	-0.10
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 3H S	30.68	0.06	30.21	198.50	199.76	200.69	200.70	200.70	200.70	0.11
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 4H S	33.45	0.06	32.89	198.50	199.76	200.74	200.74	200.74	200.74	0.11
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 5H S	34.08	0.06	33.42	198.50	199.76	200.76	200.76	200.76	200.76	0.11
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 6H S	32.89	0.06	32.29	198.50	199.76	200.75	200.75	200.75	200.75	0.11
Fosso Canale	Fosso di Canale	72	Culvert #1	Max WS	SP Q200 7H S	29.90	0.06	30.14	198.50	199.76	200.72	200.72	200.72	200.72	0.10
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 2H S	30.39	0.04	29.68	199.25	199.51	200.52	200.52	199.38	200.52	0.14
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 2H S	30.39	0.67	29.68	197.75	199.51	200.52	200.52	198.14	200.52	0.19
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 3H S	43.36	0.00	43.28	199.25	199.51	200.61	200.61	199.29	200.61	0.02
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 3H S	43.36	0.07	43.28	197.75	199.51	200.61	200.61	197.88	200.61	0.02
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 4H S	49.08	0.02	48.79	199.25	199.51	200.65	200.65	199.33	200.65	0.06
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 4H S	49.08	0.27	48.79	197.75	199.51	200.65	200.65	198.00	200.65	0.08
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 5H S	50.94	0.02	50.50	199.25	199.51	200.67	200.66	199.35	200.67	0.09
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 5H S	50.94	0.42	50.50	197.75	199.51	200.67	200.66	198.06	200.66	0.12
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 6H S	50.44	0.07	49.10	199.25	199.51	200.66	200.67	199.43	200.67	0.28
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 6H S	50.44	1.27	49.10	197.75	199.51	200.66	200.67	198.30	200.67	0.36
Fosso Canale	Fosso di Canale	19	Culvert #2	Max WS	SP Q200 7H S	46.36	0.06	45.19	199.25	199.51	200.63	200.64	199.42	200.64	0.24
Fosso Canale	Fosso di Canale	19	Culvert #1	Max WS	SP Q200 7H S	46.36	1.11	45.19	197.75	199.51	200.63	200.64	198.26	200.64	0.31

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)
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 2H S	35.27	12.29	18.93	12.29	122.15	0.50	0.19	208.05	209.31	208.93	208.40	208.19
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 3H S	31.73	10.57	18.23	10.57	122.15	0.47	0.18	208.05	209.22	208.90	208.38	208.18
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 4H S	28.04	8.79	17.41	8.79	122.15	0.44	0.15	208.05	209.14	208.87	208.35	208.16
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 5H S	25.03	6.94	16.81	6.94	122.15	0.41	0.13	208.05	209.07	208.84	208.33	208.15
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 6H S	22.68	5.58	16.13	5.58	122.15	0.39	0.11	208.05	209.02	208.82	208.31	208.14
Fosso Serpenna	Tratto 1	24.95	Max WS	SP Q200 7H S	20.82	4.47	15.63	4.47	122.15	0.36	0.09	208.05	208.97	208.79	208.29	208.13
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 2H S	35.27	4.00	18.93	4.00	122.15	0.33	0.08	208.16	209.31	208.93	208.40	208.19
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 3H S	31.73	2.92	18.23	2.92	122.15	0.30	0.06	208.16	209.22	208.90	208.38	208.18
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 4H S	28.04	1.83	17.41	1.83	122.15	0.27	0.04	208.16	209.14	208.87	208.35	208.16
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 5H S	25.03	1.27	16.81	1.27	24.35	0.24	0.12	208.16	209.07	208.84	208.33	208.15
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 6H S	22.68	0.95	16.13	0.95	21.43	0.22	0.11	208.16	209.02	208.82	208.31	208.14
Fosso Serpenna	Tratto 1	24.9	Max WS	SP Q200 7H S	20.82	0.72	15.63	0.72	19.17	0.19	0.10	208.16	208.97	208.79	208.29	208.13
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 2H S	18.93	5.51	13.24	5.51	129.57	0.16	0.11	207.24	208.40	208.19	207.42	207.20
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 3H S	18.23	4.89	13.14	4.89	124.94	0.16	0.10	207.24	208.38	208.18	207.41	207.19
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 4H S	17.41	4.20	13.01	4.20	121.09	0.14	0.09	207.24	208.35	208.16	207.40	207.18
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 5H S	16.81	3.70	12.94	3.70	118.27	0.13	0.09	207.24	208.33	208.15	207.39	207.18
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 6H S	16.13	3.15	12.83	3.15	114.95	0.12	0.08	207.24	208.31	208.14	207.39	207.18
Fosso Serpenna	Tratto 1	21.95	Max WS	SP Q200 7H S	15.63	2.73	12.75	2.73	111.92	0.11	0.08	207.24	208.29	208.13	207.38	207.17
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 2H S	18.93	0.24	13.24	0.24	23.72	0.31	0.03	207.40	208.40	208.19	207.42	207.20
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 3H S	18.23	0.20	13.14	0.20	16.09	0.31	0.03	207.40	208.38	208.18	207.41	207.19
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 4H S	17.41	0.17	13.01	0.17	6.04	0.29	0.06	207.40	208.35	208.16	207.40	207.18
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 5H S	16.81	0.16	12.94	0.16	2.36	0.29	0.14	207.40	208.33	208.15	207.39	207.18
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 6H S	16.13	0.15	12.83	0.15	2.29	0.28	0.14	207.40	208.31	208.14	207.39	207.18
Fosso Serpenna	Tratto 1	21.9	Max WS	SP Q200 7H S	15.63	0.14	12.75	0.14	2.23	0.27	0.14	207.40	208.29	208.13	207.38	207.17
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 2H S	13.24	3.20	9.54	3.20	56.42	0.37	0.10	206.20	207.42	207.20	206.33	206.22
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 3H S	13.14	3.24	9.73	3.24	64.45	0.37	0.09	206.20	207.41	207.19	206.34	206.23
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 4H S	13.01	3.10	9.88	3.10	45.55	0.37	0.11	206.20	207.40	207.18	206.33	206.22
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 5H S	12.94	3.03	9.88	3.03	22.72	0.36	0.21	206.20	207.39	207.18	206.32	206.20
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 6H S	12.83	2.97	9.85	2.97	16.41	0.36	0.29	206.20	207.39	207.18	206.30	206.19
Fosso Serpenna	Tratto 1	18.95	Max WS	SP Q200 7H S	12.75	2.92	9.82	2.92	16.35	0.36	0.29	206.20	207.38	207.17	206.29	206.16
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 2H S	13.24	0.00	9.54	0.00				206.35	207.42	207.20	206.33	206.22
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 3H S	13.14	0.00	9.73	0.00				206.35	207.41	207.19	206.34	206.23
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 4H S	13.01	0.00	9.88	0.00				206.35	207.40	207.18	206.33	206.22
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 5H S	12.94	0.00	9.88	0.00				206.35	207.39	207.18	206.32	206.20
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 6H S	12.83	0.00	9.85	0.00				206.35	207.39	207.18	206.30	206.19
Fosso Serpenna	Tratto 1	18.9	Max WS	SP Q200 7H S	12.75	0.00	9.82	0.00				206.35	207.38	207.17	206.29	206.16
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 2H S	9.54	0.15	10.76	0.15	88.94	0.03	0.01	205.29	206.33	206.22	205.38	205.23
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 3H S	9.73	0.49	11.15	0.49	129.49	0.03	0.02	205.29	206.34	206.23	205.41	205.26
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 4H S	9.88	0.23	11.16	0.23	128.22	0.02	0.01	205.29	206.33	206.22	205.41	205.26
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 5H S	9.88	0.02	11.08	0.02	115.30	0.01	0.01	205.29	206.32	206.20	205.41	205.26
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 6H S	9.85	0.00	10.92	0.00				205.29	206.30	206.19	205.39	205.25
Fosso Serpenna	Tratto 1	14.95	Max WS	SP Q200 7H S	9.82	0.00	10.65	0.00				205.29	206.29	206.16	205.37	205.23
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 2H S	9.54	-1.57	11.18	-1.57	3.08	1.38	1.03	204.40	206.33	206.22	205.87	205.74
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 3H S	9.73	-1.95	11.44	-1.95	3.11	1.41	1.05	204.40	206.34	206.23	205.89	205.76
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 4H S	9.88	-1.62	11.32	-1.62	3.10	1.40	1.04	204.40	206.33	206.22	205.89	205.76
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 5H S	9.88	-1.23	11.16	-1.23	3.08	1.39	1.03	204.40	206.32	206.20	205.88	205.75
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 6H S	9.85	-1.05	10.95	-1.05	3.07	1.37	1.02	204.40	206.30	206.19	205.86	205.74
Fosso Serpenna	Tratto 1	14.9	Max WS	SP Q200 7H S	9.82	-0.81	10.66	-0.81	3.04	1.35	1.01	204.40	206.29	206.16	205.84	205.72
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 2H S	11.18	0.00	10.76	0.00				206.30	205.87	205.74	205.38	205.23
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 3H S	11.44	0.00	11.15	0.00				206.30	205.89	205.76	205.41	205.26

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)
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 4H S	11.32	0.00	11.16	0.00				206.30	205.89	205.76	205.41	205.26
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 5H S	11.16	0.00	11.08	0.00				206.30	205.88	205.75	205.41	205.26
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 6H S	10.95	0.00	10.92	0.00				206.30	205.86	205.74	205.39	205.25
Fosso Serpenna	Tratto 1	13.9	Max WS	SP Q200 7H S	10.66	0.00	10.65	0.00				206.30	205.84	205.72	205.37	205.23
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 2H S	10.76	0.00	10.51	0.00				204.65	205.38	205.23	204.00	203.83
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 3H S	11.15	0.00	10.93	0.00				204.65	205.41	205.26	204.03	203.86
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 4H S	11.16	0.00	11.02	0.00				204.65	205.41	205.26	204.04	203.86
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 5H S	11.08	0.00	11.00	0.00				204.65	205.41	205.26	204.04	203.86
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 6H S	10.92	0.00	10.86	0.00				204.65	205.39	205.25	204.03	203.85
Fosso Serpenna	Tratto 1	11.95	Max WS	SP Q200 7H S	10.65	0.00	10.63	0.00				204.65	205.37	205.23	204.01	203.84
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 2H S	10.76	0.00	10.51	0.00				204.95	205.38	205.23	204.00	203.83
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 3H S	11.15	0.00	10.93	0.00				204.95	205.41	205.26	204.03	203.86
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 4H S	11.16	0.00	11.02	0.00				204.95	205.41	205.26	204.04	203.86
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 5H S	11.08	0.00	11.00	0.00				204.95	205.41	205.26	204.04	203.86
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 6H S	10.92	0.00	10.86	0.00				204.95	205.39	205.25	204.03	203.85
Fosso Serpenna	Tratto 1	11.9	Max WS	SP Q200 7H S	10.65	0.00	10.63	0.00				204.95	205.37	205.23	204.01	203.84
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 2H S	10.50	0.00	9.66	0.00				202.15	203.88	203.70	201.34	201.24
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 3H S	10.93	0.00	10.93	0.00				202.15	203.92	203.73	201.38	201.25
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 4H S	11.02	0.00	11.02	0.00				202.15	203.92	203.74	201.39	201.26
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 5H S	11.00	0.00	10.99	0.00				202.15	203.92	203.73	201.38	201.26
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 6H S	10.86	0.00	10.86	0.00				202.15	203.91	203.73	201.37	201.25
Fosso Serpenna	Tratto 1	5.05	Max WS	SP Q200 7H S	10.63	0.00	9.60	0.00				202.15	203.89	203.71	201.34	201.24
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 2H S	10.50	0.00	10.50	0.00				203.45	203.88	203.70	202.49	202.36
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 3H S	10.93	0.00	10.93	0.00				203.45	203.92	203.73	202.53	202.39
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 4H S	11.02	0.00	11.02	0.00				203.45	203.92	203.74	202.53	202.39
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 5H S	11.00	0.00	10.99	0.00				203.45	203.92	203.73	202.53	202.39
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 6H S	10.86	0.00	10.86	0.00				203.45	203.91	203.73	202.52	202.38
Fosso Serpenna	Tratto 1	5.01	Max WS	SP Q200 7H S	10.63	0.00	10.63	0.00				203.45	203.89	203.71	202.50	202.36
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 2H S	10.50	0.00	9.66	0.00				202.25	202.49	202.36	201.34	201.24
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 3H S	10.93	0.00	10.93	0.00				202.25	202.53	202.39	201.38	201.25
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 4H S	11.02	0.00	11.02	0.00				202.25	202.53	202.39	201.39	201.26
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 5H S	10.99	0.00	10.99	0.00				202.25	202.53	202.39	201.38	201.26
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 6H S	10.86	0.00	10.86	0.00				202.25	202.52	202.38	201.37	201.25
Fosso Serpenna	Tratto 1	4.87	Max WS	SP Q200 7H S	10.63	0.00	9.60	0.00				202.25	202.50	202.36	201.34	201.24
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 2H S	10.50	0.00	10.45	0.00				200.75	201.09	200.85	200.01	199.92
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 3H S	10.91	0.00	10.72	0.00				200.75	201.12	200.87	200.03	199.94
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 4H S	11.02	0.00	10.94	0.00				200.75	201.12	200.88	200.03	199.94
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 5H S	10.99	0.00	10.89	0.00				200.75	201.12	200.88	200.03	199.93
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 6H S	10.86	0.00	10.75	0.00				200.75	201.11	200.87	200.02	199.92
Fosso Serpenna	Tratto 1	4.57	Max WS	SP Q200 7H S	10.63	0.00	10.33	0.00				200.75	201.09	200.86	200.00	199.91
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 2H S	10.50	0.00	10.45	0.00				201.00	201.09	200.85	200.01	199.92
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 3H S	10.91	0.00	10.72	0.00				201.00	201.12	200.87	200.03	199.94
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 4H S	11.02	0.00	10.94	0.00				201.00	201.12	200.88	200.03	199.94
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 5H S	10.99	0.00	10.89	0.00				201.00	201.12	200.88	200.03	199.93
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 6H S	10.86	0.00	10.75	0.00				201.00	201.11	200.87	200.02	199.92
Fosso Serpenna	Tratto 1	4.56	Max WS	SP Q200 7H S	10.63	0.00	10.33	0.00				201.00	201.09	200.86	200.00	199.91
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 2H S	10.45	0.00	8.04	0.00				200.50	199.99	199.90	199.43	199.38
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 3H S	10.72	0.00	10.05	0.00				200.50	200.01	199.92	199.54	199.46
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 4H S	10.94	0.00	10.20	0.00				200.50	200.02	199.92	199.55	199.47
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 5H S	10.89	0.00	10.24	0.00				200.50	200.01	199.92	199.54	199.46

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q US	Q Leaving Total	Q DS	Q Weir	Wr Top Wdth	Weir Max Depth	Weir Avg Depth	Min El Weir Flow	E.G. US.	W.S. US.	E.G. DS	W.S. DS
					(m3/s)	(m3/s)	(m3/s)	(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 6H S	10.75	0.00	10.49	0.00				200.50	200.00	199.91	199.53	199.45
Fosso Serpenna	Tratto 1	4.49	Max WS	SP Q200 7H S	10.31	0.00	10.19	0.00				200.50	199.98	199.89	199.48	199.39
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 2H S	10.45	0.00	8.04	0.00				199.87	199.99	199.90	199.43	199.38
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 3H S	10.72	0.00	10.05	0.00				199.87	200.01	199.92	199.54	199.46
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 4H S	10.94	0.00	10.20	0.00				199.87	200.02	199.92	199.55	199.47
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 5H S	10.89	0.00	10.24	0.00				199.87	200.01	199.92	199.54	199.46
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 6H S	10.75	0.00	10.49	0.00				199.87	200.00	199.91	199.53	199.45
Fosso Serpenna	Tratto 1	4.47	Max WS	SP Q200 7H S	10.31	0.00	10.19	0.00				199.87	199.98	199.89	199.48	199.39
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 2H S	8.04	-19.17	25.44	-19.17	37.05	2.29	0.40	197.05	199.43	199.38	198.94	198.80
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 3H S	10.05	-19.18	27.14	-19.18	37.29	2.29	0.40	197.05	199.54	199.46	199.00	198.84
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 4H S	10.20	-18.30	27.53	-18.30	30.98	2.26	0.45	197.05	199.55	199.47	199.01	198.85
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 5H S	10.24	-17.14	27.11	-17.14	20.79	2.20	0.61	197.05	199.54	199.46	199.00	198.84
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 6H S	10.49	-16.01	26.38	-16.01	9.98	2.14	1.17	197.05	199.53	199.45	198.97	198.82
Fosso Serpenna	Tratto 1	4.37	Max WS	SP Q200 7H S	10.19	-14.28	24.22	-14.28	8.76	2.04	1.22	197.05	199.48	199.39	198.91	198.77
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 2H S	8.04	0.01	25.44	0.01	3.48	0.03	0.01	198.77	199.43	199.38	198.94	198.80
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 3H S	10.05	0.09	27.14	0.09	10.18	0.07	0.04	198.77	199.54	199.46	199.00	198.84
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 4H S	10.20	0.12	27.53	0.12	11.68	0.08	0.04	198.77	199.55	199.47	199.01	198.85
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 5H S	10.24	0.08	27.11	0.08	10.01	0.07	0.04	198.77	199.54	199.46	199.00	198.84
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 6H S	10.49	0.03	26.38	0.03	6.52	0.05	0.02	198.77	199.53	199.45	198.97	198.82
Fosso Serpenna	Tratto 1	4.35	Max WS	SP Q200 7H S	10.19	0.00	24.22	0.00				198.77	199.48	199.39	198.91	198.77
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 2H S	25.44	6.28	18.02	6.28	21.51	1.27	0.31	197.10	198.91	198.72	198.42	198.37
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 3H S	27.14	6.54	19.12	6.54	23.04	1.29	0.30	197.10	198.96	198.76	198.44	198.39
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 4H S	27.52	6.56	19.39	6.56	23.11	1.29	0.30	197.10	198.97	198.77	198.44	198.39
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 5H S	27.11	6.48	19.17	6.48	22.59	1.28	0.30	197.10	198.96	198.76	198.43	198.38
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 6H S	26.38	6.32	18.79	6.32	21.56	1.27	0.31	197.10	198.94	198.74	198.42	198.37
Fosso Serpenna	Tratto 1	4.19	Max WS	SP Q200 7H S	24.22	5.92	17.51	5.92	18.89	1.25	0.33	197.10	198.87	198.69	198.39	198.35
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 2H S	25.44	0.00	25.44	0.00				198.58	198.91	198.72	198.68	198.51
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 3H S	27.14	0.00	27.13	0.00				198.58	198.96	198.76	198.72	198.54
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 4H S	27.52	0.00	27.50	0.00				198.58	198.97	198.77	198.73	198.54
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 5H S	27.11	0.00	27.11	0.00				198.58	198.96	198.76	198.72	198.53
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 6H S	26.38	0.00	26.38	0.00				198.58	198.94	198.74	198.70	198.52
Fosso Serpenna	Tratto 1	4.18	Max WS	SP Q200 7H S	24.22	0.00	24.19	0.00				198.58	198.87	198.69	198.65	198.48
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 2H S	25.44	1.12	18.02	1.12	48.75	0.14	0.07	198.23	198.68	198.51	198.42	198.37
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 3H S	27.14	1.42	19.12	1.42	55.67	0.16	0.07	198.23	198.72	198.54	198.44	198.39
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 4H S	27.50	1.44	19.39	1.44	56.46	0.16	0.07	198.23	198.73	198.54	198.44	198.39
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 5H S	27.11	1.33	19.17	1.33	54.09	0.15	0.07	198.23	198.72	198.53	198.43	198.38
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 6H S	26.38	1.13	18.79	1.13	49.92	0.14	0.07	198.23	198.70	198.52	198.42	198.37
Fosso Serpenna	Tratto 1	4.167	Max WS	SP Q200 7H S	24.20	0.71	17.51	0.71	39.85	0.12	0.06	198.23	198.65	198.48	198.39	198.35
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 2H S	17.89	0.00	19.38	0.00				198.09	197.70	197.51	197.57	197.42
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 3H S	18.96	0.00	21.32	0.00				198.09	197.82	197.65	197.71	197.57
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 4H S	19.31	0.00	21.43	0.00				198.09	197.86	197.70	197.77	197.63
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 5H S	19.14	0.00	20.69	0.00				198.09	197.87	197.72	197.78	197.65
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 6H S	18.75	0.00	19.97	0.00				198.09	197.86	197.71	197.77	197.64
Fosso Serpenna	Tratto 1	3.96	Max WS	SP Q200 7H S	16.25	0.00	18.32	0.00				198.09	197.76	197.63	197.68	197.58
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 2H S	17.89	-5.13	19.38	-5.13	2.56	2.03	1.41	195.40	197.70	197.51	197.06	197.02
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 3H S	18.96	-4.65	21.32	-4.65	2.57	2.04	1.42	195.40	197.82	197.65	197.29	197.26
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 4H S	19.31	-3.24	21.43	-3.24	2.55	2.02	1.40	195.40	197.86	197.70	197.37	197.34
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 5H S	19.14	-2.09	20.69	-2.09	2.55	2.02	1.40	195.40	197.87	197.72	197.39	197.37
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 6H S	18.75	-1.74	19.97	-1.74	2.55	2.01	1.40	195.40	197.86	197.71	197.39	197.37
Fosso Serpenna	Tratto 1	3.95	Max WS	SP Q200 7H S	16.25	-2.22	18.32	-2.22	2.53	1.99	1.39	195.40	197.76	197.63	197.36	197.34

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)
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 2H S	17.89	0.00	19.38	0.00				197.56	197.57	197.42	197.06	197.02
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 3H S	18.96	0.00	21.32	0.00				197.56	197.71	197.57	197.29	197.26
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 4H S	19.31	0.00	21.43	0.00				197.56	197.77	197.63	197.37	197.34
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 5H S	19.14	0.00	20.69	0.00				197.56	197.78	197.65	197.39	197.37
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 6H S	18.75	0.00	19.97	0.00				197.56	197.77	197.64	197.39	197.37
Fosso Serpenna	Tratto 1	3.94	Max WS	SP Q200 7H S	16.25	0.00	18.32	0.00				197.56	197.68	197.58	197.36	197.34
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 2H S	19.38	-10.21	30.23	-10.21	110.76	0.56	0.30	196.43	197.06	197.02	196.97	196.96
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 3H S	21.32	-27.31	52.78	-27.31	152.32	0.81	0.42	196.43	197.29	197.26	197.18	197.14
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 4H S	21.43	-36.71	62.53	-36.71	166.64	0.90	0.48	196.43	197.37	197.34	197.25	197.20
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 5H S	20.69	-36.33	59.95	-36.33	171.92	0.93	0.49	196.43	197.39	197.37	197.30	197.25
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 6H S	19.97	-41.28	61.93	-41.28	172.34	0.93	0.49	196.43	197.39	197.37	197.29	197.24
Fosso Serpenna	Tratto 1	3.82	Max WS	SP Q200 7H S	18.32	-39.39	61.46	-39.39	166.64	0.90	0.48	196.43	197.36	197.34	197.26	197.21
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 2H S	19.38	0.45	30.23	0.45	29.50	0.11	0.05	196.85	197.06	197.02	196.97	196.96
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 3H S	21.32	-1.80	52.78	-1.80	121.85	0.34	0.14	196.85	197.29	197.26	197.18	197.14
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 4H S	21.43	-3.08	62.53	-3.08	159.64	0.44	0.19	196.85	197.37	197.34	197.25	197.20
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 5H S	20.69	-3.20	59.95	-3.20	172.36	0.49	0.21	196.85	197.39	197.37	197.30	197.25
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 6H S	19.97	-3.53	61.93	-3.53	173.06	0.49	0.22	196.85	197.39	197.37	197.29	197.24
Fosso Serpenna	Tratto 1	3.81	Max WS	SP Q200 7H S	18.32	-2.80	61.46	-2.80	159.25	0.44	0.19	196.85	197.36	197.34	197.26	197.21
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 2H S	127.94	0.00	127.87	0.00				196.29	196.90	196.65	196.58	196.22
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 3H S	165.67	4.84	160.80	4.84	94.29	0.18	0.13	196.29	197.11	196.87	196.82	196.47
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 4H S	182.21	9.41	172.78	9.41	94.29	0.26	0.20	196.29	197.19	196.95	196.89	196.55
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 5H S	188.33	11.29	177.03	11.29	94.29	0.29	0.23	196.29	197.22	196.97	196.92	196.58
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 6H S	188.88	11.46	177.41	11.46	94.29	0.29	0.23	196.29	197.22	196.97	196.92	196.58
Fosso Serpenna	Tratto 2	3.68	Max WS	SP Q200 7H S	182.77	9.59	173.18	9.59	94.29	0.26	0.20	196.29	197.19	196.95	196.89	196.55
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 2H S	55.06	26.13	28.79	26.13	299.36	0.40	0.18	203.60	206.46	206.29	203.83	203.69
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 3H S	53.96	25.17	28.72	25.17	295.53	0.39	0.17	203.60	206.43	206.26	203.83	203.69
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 4H S	50.42	21.91	28.46	21.91	283.23	0.38	0.16	203.60	206.34	206.18	203.82	203.67
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 5H S	46.72	18.55	28.14	18.55	263.56	0.37	0.15	203.60	206.25	206.10	203.80	203.66
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 6H S	43.42	15.59	27.81	15.59	246.14	0.36	0.14	203.60	206.15	206.01	203.79	203.65
Fosso Rigo	Tratto 1	219	Max WS	SP Q200 7H S	43.01	15.21	27.77	15.21	244.11	0.36	0.14	203.60	206.14	206.00	203.79	203.64
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 2H S	28.79	5.95	22.41	5.95	5.65	0.99	0.97	201.97	203.83	203.69	202.96	202.96
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 3H S	28.72	5.95	22.37	5.95	5.65	0.99	0.97	201.97	203.83	203.69	202.96	202.96
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 4H S	28.46	5.89	22.19	5.89	5.65	0.98	0.96	201.97	203.82	203.67	202.96	202.95
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 5H S	28.14	5.80	22.01	5.80	5.65	0.97	0.95	201.97	203.80	203.66	202.95	202.94
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 6H S	27.81	5.70	21.82	5.70	5.65	0.96	0.94	201.97	203.79	203.65	202.94	202.93
Fosso Rigo	Tratto 1	189.5	Max WS	SP Q200 7H S	27.77	5.68	21.79	5.68	5.65	0.96	0.94	201.97	203.79	203.64	202.93	202.93
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 2H S	28.79	0.38	22.41	0.38	5.51	0.16	0.16	202.80	203.83	203.69	202.96	202.96
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 3H S	28.72	0.38	22.37	0.38	5.51	0.16	0.16	202.80	203.83	203.69	202.96	202.96
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 4H S	28.46	0.36	22.19	0.36	5.51	0.15	0.15	202.80	203.82	203.67	202.96	202.95
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 5H S	28.14	0.33	22.01	0.33	5.50	0.14	0.14	202.80	203.80	203.66	202.95	202.94
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 6H S	27.81	0.29	21.82	0.29	5.49	0.13	0.13	202.80	203.79	203.65	202.94	202.93
Fosso Rigo	Tratto 1	189	Max WS	SP Q200 7H S	27.77	0.28	21.79	0.28	5.49	0.13	0.13	202.80	203.79	203.64	202.93	202.93
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 2H S	22.40	0.00	21.43	0.00				202.19	203.01	202.86	201.71	201.59
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 3H S	22.36	0.00	22.00	0.00				202.19	203.01	202.86	201.74	201.62
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 4H S	22.18	0.00	21.99	0.00				202.19	203.00	202.85	201.74	201.62
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 5H S	22.01	0.00	21.87	0.00				202.19	202.99	202.84	201.74	201.62
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 6H S	21.82	0.00	21.73	0.00				202.19	202.98	202.83	201.73	201.61
Fosso Rigo	Tratto 1	179.9	Max WS	SP Q200 7H S	21.79	0.00	21.72	0.00				202.19	202.98	202.83	201.72	201.60
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 2H S	22.28	0.00	21.20	0.00				201.31	201.71	201.59	200.89	200.83

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)
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 3H S	22.16	0.00	21.89	0.00				201.31	201.74	201.62	200.94	200.87
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 4H S	22.12	0.00	21.90	0.00				201.31	201.74	201.62	200.96	200.89
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 5H S	21.96	0.00	21.80	0.00				201.31	201.74	201.62	200.96	200.89
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 6H S	21.79	0.00	21.68	0.00				201.31	201.73	201.61	200.95	200.89
Fosso Rigo	Tratto 1	165	Max WS	SP Q200 7H S	21.77	0.00	21.58	0.00				201.31	201.72	201.60	200.93	200.87
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 2H S	21.14	-3.76	19.10	-3.76	90.47	0.22	0.10	200.25	200.78	200.71	200.27	200.24
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 3H S	21.85	-5.76	16.80	-5.76	113.54	0.27	0.13	200.25	200.82	200.75	200.35	200.33
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 4H S	21.88	-7.57	16.29	-7.57	126.91	0.29	0.14	200.25	200.84	200.77	200.38	200.36
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 5H S	21.79	-8.35	16.19	-8.35	131.59	0.30	0.14	200.25	200.84	200.78	200.39	200.37
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 6H S	21.67	-8.18	16.10	-8.18	130.16	0.30	0.14	200.25	200.84	200.77	200.39	200.37
Fosso Rigo	Tratto 1	119	Max WS	SP Q200 7H S	21.50	-6.77	15.70	-6.77	119.60	0.28	0.13	200.25	200.82	200.75	200.37	200.35
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 2H S	21.14	1.06	21.28	1.06	33.31	0.16	0.09	200.18	200.78	200.71	200.46	200.34
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 3H S	21.85	2.02	21.40	2.02	40.02	0.22	0.12	200.18	200.82	200.75	200.51	200.40
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 4H S	21.88	2.61	21.51	2.61	43.98	0.25	0.13	200.18	200.84	200.77	200.54	200.43
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 5H S	21.79	2.83	21.56	2.83	45.50	0.26	0.14	200.18	200.84	200.78	200.55	200.44
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 6H S	21.67	2.76	21.47	2.76	45.05	0.25	0.14	200.18	200.84	200.77	200.54	200.43
Fosso Rigo	Tratto 1	118.5	Max WS	SP Q200 7H S	21.50	2.30	21.05	2.30	41.69	0.24	0.13	200.18	200.82	200.75	200.52	200.42
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 2H S	21.28	6.15	17.55	6.15	113.00	0.16	0.13	200.08	200.46	200.34	200.25	200.22
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 3H S	21.40	12.17	13.34	12.17	113.00	0.25	0.21	200.08	200.51	200.40	200.34	200.33
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 4H S	21.51	14.77	12.07	14.77	113.00	0.28	0.24	200.08	200.54	200.43	200.37	200.36
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 5H S	21.56	15.61	11.73	15.61	113.00	0.29	0.25	200.08	200.55	200.44	200.38	200.37
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 6H S	21.47	15.43	11.69	15.43	113.00	0.29	0.25	200.08	200.54	200.43	200.38	200.37
Fosso Rigo	Tratto 1	109.9	Max WS	SP Q200 7H S	21.05	14.17	11.61	14.17	113.00	0.28	0.23	200.08	200.52	200.42	200.37	200.36
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 2H S	41.81	11.79	31.02	11.79	34.00	0.73	0.62	199.46	200.23	200.18	200.21	200.19
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 3H S	47.11	16.60	31.51	16.60	34.00	0.82	0.71	199.46	200.32	200.26	200.31	200.28
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 4H S	49.01	18.39	31.64	18.39	34.00	0.86	0.74	199.46	200.35	200.29	200.34	200.32
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 5H S	49.55	18.93	31.66	18.93	34.00	0.87	0.75	199.46	200.36	200.29	200.35	200.33
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 6H S	49.09	18.96	31.55	18.96	34.00	0.87	0.75	199.46	200.36	200.29	200.35	200.32
Fosso Rigo	Tratto 2	104	Max WS	SP Q200 7H S	46.76	18.79	31.47	18.79	34.00	0.85	0.74	199.46	200.35	200.29	200.33	200.31
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 2H S	76.65	2.98	72.69	2.98	77.50	0.20	0.10	198.54	199.46	199.32	198.61	198.46
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 3H S	80.67	6.13	73.59	6.13	98.39	0.26	0.14	198.54	199.53	199.38	198.73	198.59
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 4H S	82.38	7.90	73.36	7.90	137.17	0.27	0.13	198.54	199.55	199.40	198.78	198.64
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 5H S	82.87	8.45	72.98	8.45	144.10	0.28	0.13	198.54	199.56	199.41	198.80	198.66
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 6H S	82.77	8.57	72.83	8.57	145.97	0.28	0.13	198.54	199.56	199.41	198.80	198.67
Fosso Rigo	Tratto 3	69	Max WS	SP Q200 7H S	82.09	8.19	72.58	8.19	143.39	0.27	0.13	198.54	199.55	199.40	198.80	198.67
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 2H S	76.65	0.03	72.98	0.03	1.17	0.13	0.07	198.96	199.46	199.32	199.09	198.94
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 3H S	80.67	0.19	74.07	0.19	14.31	0.21	0.05	198.96	199.53	199.38	199.18	199.04
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 4H S	82.38	0.36	74.51	0.36	19.12	0.24	0.06	198.96	199.55	199.40	199.21	199.06
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 5H S	82.87	0.43	74.46	0.43	20.65	0.24	0.06	198.96	199.56	199.41	199.21	199.07
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 6H S	82.77	0.44	74.33	0.44	21.00	0.24	0.06	198.96	199.56	199.41	199.22	199.08
Fosso Rigo	Tratto 3	68	Max WS	SP Q200 7H S	82.09	0.41	73.97	0.41	20.19	0.24	0.06	198.96	199.55	199.40	199.21	199.07
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 2H S	72.98	0.00	72.69	0.00				198.86	199.09	198.94	198.61	198.46
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 3H S	74.07	0.23	73.59	0.23	25.76	0.08	0.04	198.86	199.18	199.04	198.73	198.59
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 4H S	74.51	0.56	73.36	0.56	37.91	0.10	0.05	198.86	199.21	199.06	198.78	198.64
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 5H S	74.46	0.73	72.98	0.73	44.61	0.11	0.06	198.86	199.21	199.07	198.80	198.66
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 6H S	74.33	0.78	72.83	0.78	46.59	0.12	0.06	198.86	199.22	199.08	198.80	198.67
Fosso Rigo	Tratto 3	48	Max WS	SP Q200 7H S	73.97	0.70	72.58	0.70	44.24	0.11	0.05	198.86	199.21	199.07	198.80	198.67
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 2H S	100.76	0.95	99.54	0.95	16.58	0.57	0.13	197.00	197.95	197.83	197.52	197.46
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 3H S	122.02	1.07	120.62	1.07	33.21	0.69	0.14	197.00	198.09	197.97	197.64	197.58
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 4H S	130.77	1.54	128.88	1.54	39.74	0.74	0.15	197.00	198.14	198.02	197.69	197.63

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)
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 5H S	134.69	2.56	132.10	2.56	48.05	0.76	0.14	197.00	198.16	198.04	197.71	197.65
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 6H S	135.94	3.12	132.77	3.12	49.15	0.76	0.14	197.00	198.17	198.05	197.71	197.65
Fosso Rigo	Tratto 4	29	Max WS	SP Q200 7H S	135.45	3.38	131.95	3.38	46.80	0.75	0.14	197.00	198.16	198.04	197.70	197.64
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 2H S	99.54	1.22	97.83	1.22	108.14	0.08	0.04	197.04	197.52	197.46	197.24	197.12
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 3H S	120.62	7.66	112.90	7.66	126.00	0.19	0.15	197.04	197.64	197.58	197.35	197.23
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 4H S	128.88	9.09	119.72	9.09	126.00	0.29	0.20	197.04	197.69	197.63	197.41	197.30
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 5H S	132.10	9.67	117.60	9.67	126.00	0.32	0.22	197.04	197.71	197.65	197.42	197.32
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 6H S	132.77	9.69	123.03	9.69	126.00	0.32	0.23	197.04	197.71	197.65	197.43	197.32
Fosso Rigo	Tratto 4	19	Max WS	SP Q200 7H S	131.95	10.57	121.32	10.57	126.00	0.29	0.21	197.04	197.70	197.64	197.41	197.30
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 2H S	16.02	0.00	15.59	0.00				203.21	204.07	203.94	203.20	203.09
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 3H S	18.55	0.08	18.21	0.08	20.42	0.04	0.02	203.21	204.23	204.08	203.37	203.25
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 4H S	18.96	0.22	18.65	0.22	31.42	0.06	0.03	203.21	204.26	204.11	203.39	203.27
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 5H S	18.64	0.15	18.42	0.15	26.50	0.06	0.03	203.21	204.24	204.10	203.38	203.27
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 6H S	18.00	0.03	17.87	0.03	13.96	0.03	0.02	203.21	204.20	204.06	203.36	203.24
F delle Macchie	F delle Macchie	89	Max WS	SP Q200 7H S	17.39	0.00	17.30	0.00				203.21	204.16	204.02	203.32	203.21
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 2H S	15.59	0.00	15.18	0.00				202.56	203.20	203.09	202.26	202.11
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 3H S	18.21	0.10	17.35	0.10	24.29	0.04	0.02	202.56	203.37	203.25	202.41	202.26
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 4H S	18.65	0.25	18.18	0.25	35.83	0.06	0.03	202.56	203.39	203.27	202.45	202.29
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 5H S	18.42	0.18	18.08	0.18	31.91	0.06	0.03	202.56	203.38	203.27	202.45	202.29
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 6H S	17.87	0.05	17.71	0.05	18.51	0.03	0.02	202.56	203.36	203.24	202.42	202.27
F delle Macchie	F delle Macchie	79	Max WS	SP Q200 7H S	17.30	0.00	17.21	0.00				202.56	203.32	203.21	202.39	202.24
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 2H S	15.18	0.00	14.69	0.00				200.25	202.26	202.11	200.23	200.09
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 3H S	17.35	0.00	16.65	0.00				200.25	202.41	202.26	200.31	200.15
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 4H S	18.18	0.00	17.94	0.00				200.25	202.45	202.29	200.34	200.15
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 5H S	18.08	0.00	17.87	0.00				200.25	202.45	202.29	200.36	200.17
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 6H S	17.71	0.00	17.56	0.00				200.25	202.42	202.27	200.35	200.17
F delle Macchie	F delle Macchie	69	Max WS	SP Q200 7H S	17.21	0.00	17.09	0.00				200.25	202.39	202.24	200.33	200.16
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 2H S	14.69	0.00	10.65	0.00				199.24	200.23	200.09	199.05	199.00
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 3H S	16.65	0.00	15.86	0.00				199.24	200.31	200.15	199.30	199.27
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 4H S	17.94	3.77	15.40	3.77	110.02	0.18	0.09	199.24	200.34	200.15	199.44	199.42
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 5H S	17.87	7.08	10.97	7.08	129.73	0.25	0.12	199.24	200.36	200.17	199.49	199.49
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 6H S	17.56	8.60	9.44	8.60	134.23	0.28	0.14	199.24	200.35	200.17	199.52	199.52
F delle Macchie	F delle Macchie	49	Max WS	SP Q200 7H S	17.09	8.48	9.93	8.48	129.55	0.28	0.14	199.24	200.33	200.16	199.52	199.52
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 2H S	10.65	-14.50	23.59	-14.50	102.40	0.36	0.25	199.02	199.05	199.00	198.78	198.71
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 3H S	15.86	-26.74	31.35	-26.74	102.40	0.49	0.38	199.02	199.30	199.27	198.88	198.76
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 4H S	15.40	-35.17	31.32	-35.17	102.40	0.57	0.46	199.02	199.44	199.42	198.88	198.77
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 5H S	10.97	-41.79	27.65	-41.79	102.40	0.62	0.51	199.02	199.49	199.49	198.84	198.75
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 6H S	9.44	-44.17	27.55	-44.17	102.40	0.64	0.53	199.02	199.52	199.52	198.84	198.75
F delle Macchie	F delle Macchie	39	Max WS	SP Q200 7H S	9.93	-43.05	27.64	-43.05	102.40	0.64	0.53	199.02	199.52	199.52	198.84	198.75
Arnano	Fosso Arnano	332	Max WS	SP Q200 2H S	59.76	0.38	53.15	0.38	15.61	0.15	0.07	203.81	205.69	205.41	204.30	203.96
Arnano	Fosso Arnano	332	Max WS	SP Q200 3H S	74.99	0.90	61.88	0.90	34.60	0.19	0.07	203.81	205.96	205.57	204.44	204.00
Arnano	Fosso Arnano	332	Max WS	SP Q200 4H S	82.69	1.40	65.31	1.40	43.14	0.20	0.09	203.81	206.09	205.63	204.50	204.01
Arnano	Fosso Arnano	332	Max WS	SP Q200 5H S	85.76	1.63	66.59	1.63	47.29	0.21	0.09	203.81	206.14	205.66	204.52	204.02
Arnano	Fosso Arnano	332	Max WS	SP Q200 6H S	86.13	1.66	66.74	1.66	48.01	0.21	0.09	203.81	206.14	205.66	204.53	204.02
Arnano	Fosso Arnano	332	Max WS	SP Q200 7H S	85.04	1.58	66.29	1.58	46.07	0.21	0.09	203.81	206.13	205.65	204.52	204.02
Arnano	Fosso Arnano	331	Max WS	SP Q200 2H S	59.76	6.17	53.15	6.17	39.92	0.65	0.22	203.82	205.69	205.41	204.30	203.96
Arnano	Fosso Arnano	331	Max WS	SP Q200 3H S	74.99	12.20	61.88	12.20	160.00	0.81	0.12	203.82	205.96	205.57	204.44	204.00
Arnano	Fosso Arnano	331	Max WS	SP Q200 4H S	82.69	15.97	65.31	15.97	160.00	0.87	0.16	203.82	206.09	205.63	204.50	204.01
Arnano	Fosso Arnano	331	Max WS	SP Q200 5H S	85.76	17.52	66.59	17.52	160.00	0.89	0.18	203.82	206.14	205.66	204.52	204.02
Arnano	Fosso Arnano	331	Max WS	SP Q200 6H S	86.13	17.72	66.74	17.72	160.00	0.89	0.18	203.82	206.14	205.66	204.53	204.02

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)
Arnano	Fosso Arnano	331	Max WS	SP Q200 7H S	85.04	17.16	66.29	17.16	160.00	0.89	0.17	203.82	206.13	205.65	204.52	204.02
Arnano	Fosso Arnano	319	Max WS	SP Q200 2H S	53.15	3.81	44.39	3.81	131.00	0.14	0.08	203.49	204.30	203.96	203.75	203.49
Arnano	Fosso Arnano	319	Max WS	SP Q200 3H S	61.88	6.34	47.83	6.34	131.00	0.18	0.12	203.49	204.44	204.00	203.82	203.54
Arnano	Fosso Arnano	319	Max WS	SP Q200 4H S	65.31	7.29	49.27	7.29	131.00	0.19	0.13	203.49	204.50	204.01	203.85	203.55
Arnano	Fosso Arnano	319	Max WS	SP Q200 5H S	66.59	7.65	49.82	7.65	131.00	0.20	0.14	203.49	204.52	204.02	203.86	203.55
Arnano	Fosso Arnano	319	Max WS	SP Q200 6H S	66.74	7.69	49.88	7.69	131.00	0.20	0.14	203.49	204.53	204.02	203.86	203.55
Arnano	Fosso Arnano	319	Max WS	SP Q200 7H S	66.29	7.56	49.69	7.56	131.00	0.20	0.14	203.49	204.52	204.02	203.86	203.55
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 2H S	53.15	5.08	44.19	5.08	185.66	0.15	0.08	202.56	204.30	203.96	202.72	202.42
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 3H S	61.88	9.15	45.90	9.15	257.25	0.19	0.09	202.56	204.44	204.00	202.78	202.48
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 4H S	65.31	10.79	46.42	10.79	276.05	0.20	0.10	202.56	204.50	204.01	202.80	202.50
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 5H S	66.59	11.41	46.60	11.41	281.88	0.21	0.10	202.56	204.52	204.02	202.81	202.50
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 6H S	66.74	11.47	46.62	11.47	282.46	0.21	0.10	202.56	204.53	204.02	202.81	202.50
Arnano	Fosso Arnano	318.6	Max WS	SP Q200 7H S	66.29	11.26	46.55	11.26	280.76	0.21	0.10	202.56	204.52	204.02	202.80	202.50
Arnano	Fosso Arnano	309	Max WS	SP Q200 2H S	44.39	0.00	44.19	0.00	6.85	0.00	0.00	202.59	203.75	203.49	202.72	202.42
Arnano	Fosso Arnano	309	Max WS	SP Q200 3H S	47.83	0.47	45.90	0.47	90.57	0.05	0.03	202.59	203.82	203.54	202.78	202.48
Arnano	Fosso Arnano	309	Max WS	SP Q200 4H S	49.27	0.80	46.42	0.80	108.74	0.06	0.03	202.59	203.85	203.55	202.80	202.50
Arnano	Fosso Arnano	309	Max WS	SP Q200 5H S	49.82	0.94	46.60	0.94	115.74	0.06	0.04	202.59	203.86	203.55	202.81	202.50
Arnano	Fosso Arnano	309	Max WS	SP Q200 6H S	49.88	0.95	46.62	0.95	116.44	0.06	0.04	202.59	203.86	203.55	202.81	202.50
Arnano	Fosso Arnano	309	Max WS	SP Q200 7H S	49.69	0.91	46.55	0.91	114.19	0.06	0.04	202.59	203.86	203.55	202.80	202.50
Arnano	Fosso Arnano	299	Max WS	SP Q200 2H S	44.19	0.00	44.19	0.00				201.67	202.72	202.42	201.48	201.04
Arnano	Fosso Arnano	299	Max WS	SP Q200 3H S	45.90	0.00	45.89	0.00				201.67	202.78	202.48	201.55	201.10
Arnano	Fosso Arnano	299	Max WS	SP Q200 4H S	46.42	0.00	46.41	0.00				201.67	202.80	202.50	201.57	201.12
Arnano	Fosso Arnano	299	Max WS	SP Q200 5H S	46.60	0.00	46.59	0.00				201.67	202.81	202.50	201.58	201.13
Arnano	Fosso Arnano	299	Max WS	SP Q200 6H S	46.62	0.00	46.62	0.00				201.67	202.81	202.50	201.58	201.13
Arnano	Fosso Arnano	299	Max WS	SP Q200 7H S	46.55	0.00	46.49	0.00				201.67	202.80	202.50	201.57	201.12
Arnano	Fosso Arnano	298	Max WS	SP Q200 2H S	44.19	0.00	44.19	0.00				201.67	202.72	202.42	201.48	201.04
Arnano	Fosso Arnano	298	Max WS	SP Q200 3H S	45.90	0.00	45.89	0.00				201.67	202.78	202.48	201.55	201.10
Arnano	Fosso Arnano	298	Max WS	SP Q200 4H S	46.42	0.00	46.41	0.00				201.67	202.80	202.50	201.57	201.12
Arnano	Fosso Arnano	298	Max WS	SP Q200 5H S	46.60	0.00	46.59	0.00				201.67	202.81	202.50	201.58	201.13
Arnano	Fosso Arnano	298	Max WS	SP Q200 6H S	46.62	0.00	46.62	0.00				201.67	202.81	202.50	201.58	201.13
Arnano	Fosso Arnano	298	Max WS	SP Q200 7H S	46.55	0.00	46.49	0.00				201.67	202.80	202.50	201.57	201.12
Arnano	Fosso Arnano	289	Max WS	SP Q200 2H S	44.19	0.00	44.13	0.00				200.61	201.48	201.04	200.57	200.32
Arnano	Fosso Arnano	289	Max WS	SP Q200 3H S	45.89	0.00	45.85	0.00				200.61	201.55	201.10	200.66	200.41
Arnano	Fosso Arnano	289	Max WS	SP Q200 4H S	46.41	0.00	46.38	0.00				200.61	201.57	201.12	200.69	200.44
Arnano	Fosso Arnano	289	Max WS	SP Q200 5H S	46.59	0.00	46.58	0.00				200.61	201.58	201.13	200.70	200.45
Arnano	Fosso Arnano	289	Max WS	SP Q200 6H S	46.62	0.00	46.59	0.00				200.61	201.58	201.13	200.70	200.45
Arnano	Fosso Arnano	289	Max WS	SP Q200 7H S	46.49	0.00	46.35	0.00				200.61	201.57	201.12	200.69	200.44
Arnano	Fosso Arnano	288	Max WS	SP Q200 2H S	44.19	0.00	44.13	0.00				201.07	201.48	201.04	200.57	200.32
Arnano	Fosso Arnano	288	Max WS	SP Q200 3H S	45.89	0.00	45.85	0.00				201.07	201.55	201.10	200.66	200.41
Arnano	Fosso Arnano	288	Max WS	SP Q200 4H S	46.41	0.00	46.38	0.00				201.07	201.57	201.12	200.69	200.44
Arnano	Fosso Arnano	288	Max WS	SP Q200 5H S	46.59	0.00	46.58	0.00				201.07	201.58	201.13	200.70	200.45
Arnano	Fosso Arnano	288	Max WS	SP Q200 6H S	46.62	0.00	46.59	0.00				201.07	201.58	201.13	200.70	200.45
Arnano	Fosso Arnano	288	Max WS	SP Q200 7H S	46.49	0.00	46.35	0.00				201.07	201.57	201.12	200.69	200.44
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 2H S	44.13	0.00	45.79	0.00				200.52	200.57	200.32	200.18	200.07
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 3H S	45.85	0.00	49.35	0.00				200.52	200.66	200.41	200.27	200.15
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 4H S	46.38	0.00	50.72	0.00				200.52	200.69	200.44	200.30	200.19
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 5H S	46.58	0.00	51.19	0.00				200.52	200.70	200.45	200.31	200.19
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 6H S	46.59	0.00	51.20	0.00				200.52	200.70	200.45	200.31	200.19
Arnano	Fosso Arnano	284.6	Max WS	SP Q200 7H S	46.35	0.00	50.59	0.00				200.52	200.69	200.44	200.30	200.18

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)
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 2H S	44.13	-1.97	45.79	-1.97	30.20	0.28	0.14	199.94	200.57	200.32	200.18	200.07
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 3H S	45.85	-3.64	49.35	-3.64	38.64	0.36	0.18	199.94	200.66	200.41	200.27	200.15
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 4H S	46.38	-4.42	50.72	-4.42	41.76	0.39	0.19	199.94	200.69	200.44	200.30	200.19
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 5H S	46.58	-4.69	51.19	-4.69	42.75	0.40	0.20	199.94	200.70	200.45	200.31	200.19
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 6H S	46.59	-4.65	51.20	-4.65	42.60	0.40	0.20	199.94	200.70	200.45	200.31	200.19
Arnano	Fosso Arnano	284.5	Max WS	SP Q200 7H S	46.35	-4.36	50.59	-4.36	41.52	0.38	0.19	199.94	200.69	200.44	200.30	200.18

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	SP Q200 2H S	207.94	207.00	12.29	12.25	0.03	3.83	1.52
A1	Max WS	SP Q200 3H S	207.91	207.00	10.57	10.53	0.04	3.83	1.41
A1	Max WS	SP Q200 4H S	207.88	207.00	8.79	8.78	0.01	3.83	1.28
A1	Max WS	SP Q200 5H S	207.84	207.00	6.94	6.94	0.00	3.83	1.14
A1	Max WS	SP Q200 6H S	207.81	207.00	5.58	5.57	0.01	3.83	1.03
A1	Max WS	SP Q200 7H S	207.79	207.00	4.47	4.47	0.00	3.83	0.92
A10	Max WS	SP Q200 2H S	196.93	196.15	5.21	0.00	5.21	12.20	3.36
A10	Max WS	SP Q200 3H S	197.19	196.15	5.01	1.80	3.21	24.03	8.79
A10	Max WS	SP Q200 4H S	197.29	196.15	4.27	3.08	1.18	24.03	11.31
A10	Max WS	SP Q200 5H S	197.34	196.15	4.23	9.31	-5.08	24.03	12.40
A10	Max WS	SP Q200 6H S	197.34	196.15	4.09	3.53	0.56	24.03	12.46
A10	Max WS	SP Q200 7H S	197.29	196.15	3.10	2.80	0.29	24.03	11.29
A11	Max WS	SP Q200 2H S	196.93	195.50	0.00	0.00	0.00	18.12	8.57
A11	Max WS	SP Q200 3H S	197.19	195.50	0.00	0.00	0.00	19.40	13.56
A11	Max WS	SP Q200 4H S	197.29	195.50	0.00	0.00	0.00	19.40	15.59
A11	Max WS	SP Q200 5H S	197.34	195.50	6.11	0.00	6.11	19.40	16.46
A11	Max WS	SP Q200 6H S	197.34	195.50	0.00	0.00	0.00	19.40	16.52
A11	Max WS	SP Q200 7H S	197.29	195.50	0.00	0.00	0.00	19.40	15.58
A2	Max WS	SP Q200 2H S	207.48	206.50	17.76	17.62	0.14	7.20	3.05
A2	Max WS	SP Q200 3H S	207.46	206.50	15.42	15.42	0.00	7.20	2.88
A2	Max WS	SP Q200 4H S	207.43	206.50	12.98	12.96	0.02	7.20	2.68
A2	Max WS	SP Q200 5H S	207.40	206.50	10.64	10.62	0.02	7.20	2.48
A2	Max WS	SP Q200 6H S	207.37	206.50	8.72	8.71	0.01	7.20	2.30
A2	Max WS	SP Q200 7H S	207.35	206.50	7.20	7.20	0.00	7.20	2.14
A3	Max WS	SP Q200 2H S	205.30	204.50	20.82	21.19	-0.37	3.66	1.66
A3	Max WS	SP Q200 3H S	205.28	204.50	18.66	19.60	-0.94	3.66	1.59
A3	Max WS	SP Q200 4H S	205.25	204.50	16.07	17.29	-1.23	3.66	1.48
A3	Max WS	SP Q200 5H S	205.21	204.50	13.65	14.90	-1.25	3.66	1.34
A3	Max WS	SP Q200 6H S	205.18	204.50	11.68	12.95	-1.27	3.66	1.22
A3	Max WS	SP Q200 7H S	205.14	204.50	10.13	10.86	-0.73	3.66	1.08
A4	Max WS	SP Q200 2H S	204.81	203.80	21.34	21.11	0.23	11.41	5.33
A4	Max WS	SP Q200 3H S	204.80	203.80	20.10	19.60	0.50	11.41	5.17
A4	Max WS	SP Q200 4H S	204.78	203.80	17.52	17.28	0.24	11.41	4.91
A4	Max WS	SP Q200 5H S	204.75	203.80	14.92	14.90	0.02	11.41	4.63
A4	Max WS	SP Q200 6H S	204.73	203.80	12.95	12.96	-0.01	9.04	4.43
A4	Max WS	SP Q200 7H S	204.71	203.80	10.86	10.86	0.00	9.04	4.19
A5	Max WS	SP Q200 2H S	204.53	203.07	21.11	20.61	0.50	37.67	24.61
A5	Max WS	SP Q200 3H S	204.53	203.07	19.60	19.55	0.06	37.67	24.32
A5	Max WS	SP Q200 4H S	204.51	203.07	17.28	17.37	-0.09	37.67	23.71
A5	Max WS	SP Q200 5H S	204.49	203.07	14.90	14.85	0.06	32.61	23.01
A5	Max WS	SP Q200 6H S	204.47	203.07	12.96	12.87	0.09	32.61	22.46
A5	Max WS	SP Q200 7H S	204.45	203.07	10.86	10.78	0.08	32.61	21.81
A6	Max WS	SP Q200 2H S	201.89	200.50	20.61	22.90	-2.28	2.18	1.04
A6	Max WS	SP Q200 3H S	201.89	200.50	19.55	22.98	-3.43	2.18	1.05
A6	Max WS	SP Q200 4H S	201.87	200.50	17.37	21.16	-3.79	2.18	1.00
A6	Max WS	SP Q200 5H S	201.84	200.50	14.85	18.89	-4.04	2.18	0.94
A6	Max WS	SP Q200 6H S	201.82	200.50	12.87	16.98	-4.11	2.18	0.89
A6	Max WS	SP Q200 7H S	201.80	200.50	10.78	15.26	-4.48	2.18	0.84
A7	Max WS	SP Q200 2H S	199.34	197.50	22.90	22.90	0.00	0.97	0.94
A7	Max WS	SP Q200 3H S	199.34	197.50	22.98	22.95	0.03	0.97	0.94
A7	Max WS	SP Q200 4H S	199.31	197.50	21.16	21.06	0.11	0.97	0.91
A7	Max WS	SP Q200 5H S	199.25	197.50	18.89	18.57	0.31	0.97	0.86
A7	Max WS	SP Q200 6H S	199.19	197.50	16.98	16.39	0.59	0.97	0.80
A7	Max WS	SP Q200 7H S	199.09	197.50	15.26	14.28	0.97	0.97	0.70
A8	Max WS	SP Q200 2H S	198.18	197.25	10.01	9.94	0.07	1.38	0.38
A8	Max WS	SP Q200 3H S	198.18	197.25	10.31	10.20	0.11	1.38	0.39

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)
A8	Max WS	SP Q200 4H S	198.17	197.25	9.32	9.26	0.06	1.38	0.37
A8	Max WS	SP Q200 5H S	198.15	197.25	7.91	7.90	0.01	1.38	0.34
A8	Max WS	SP Q200 6H S	198.13	197.25	6.69	6.68	0.01	1.38	0.31
A8	Max WS	SP Q200 7H S	198.11	197.25	5.92	5.91	0.00	1.38	0.29
A9	Max WS	SP Q200 2H S	197.43	195.50	9.94	9.89	0.04	0.99	0.56
A9	Max WS	SP Q200 3H S	197.44	195.50	10.20	9.66	0.54	0.99	0.56
A9	Max WS	SP Q200 4H S	197.42	195.50	9.26	7.50	1.76	0.99	0.54
A9	Max WS	SP Q200 5H S	197.42	195.50	7.90	6.32	1.58	0.99	0.54
A9	Max WS	SP Q200 6H S	197.41	195.50	6.68	5.83	0.85	0.99	0.54
A9	Max WS	SP Q200 7H S	197.39	195.50	5.91	5.32	0.60	0.99	0.51
B1	Max WS	SP Q200 2H S	207.55	207.06	4.00	3.98	0.02	1.96	0.25
B1	Max WS	SP Q200 3H S	207.51	207.06	2.92	2.89	0.02	1.96	0.18
B1	Max WS	SP Q200 4H S	207.46	207.06	1.83	1.83	0.00	0.55	0.14
B1	Max WS	SP Q200 5H S	207.43	207.06	1.27	1.27	0.00	0.55	0.12
B1	Max WS	SP Q200 6H S	207.41	207.06	0.95	0.95	0.00	0.55	0.11
B1	Max WS	SP Q200 7H S	207.40	207.06	0.72	0.72	0.00	0.55	0.10
B10	Max WS	SP Q200 2H S	199.55	199.30	0.45	0.45	0.00	0.53	0.03
B10	Max WS	SP Q200 3H S	199.60	199.30	1.46	1.46	0.00	0.53	0.06
B10	Max WS	SP Q200 4H S	199.62	199.30	2.02	2.01	0.00	0.53	0.07
B10	Max WS	SP Q200 5H S	199.63	199.30	2.22	2.22	0.00	0.53	0.08
B10	Max WS	SP Q200 6H S	199.63	199.30	2.18	2.18	0.00	0.53	0.08
B10	Max WS	SP Q200 7H S	199.62	199.30	1.95	1.95	0.00	0.53	0.07
B11	Max WS	SP Q200 2H S	198.48	197.75	10.92	10.87	0.05	2.08	0.62
B11	Max WS	SP Q200 3H S	198.60	197.75	21.37	21.26	0.11	5.68	1.22
B11	Max WS	SP Q200 4H S	198.64	197.75	25.89	25.89	0.00	5.68	1.44
B11	Max WS	SP Q200 5H S	198.65	197.75	27.39	27.34	0.05	5.68	1.50
B11	Max WS	SP Q200 6H S	198.65	197.75	27.14	27.09	0.05	5.68	1.49
B11	Max WS	SP Q200 7H S	198.63	197.75	25.36	25.34	0.02	5.68	1.41
B12	Max WS	SP Q200 2H S	198.10	197.60	10.87	10.85	0.03	5.76	0.86
B12	Max WS	SP Q200 3H S	198.22	197.60	21.49	21.45	0.04	5.76	1.55
B12	Max WS	SP Q200 4H S	198.26	197.60	26.45	26.42	0.03	13.20	1.85
B12	Max WS	SP Q200 5H S	198.27	197.60	28.07	28.01	0.06	13.20	2.00
B12	Max WS	SP Q200 6H S	198.27	197.60	27.87	27.88	-0.01	13.20	1.99
B12	Max WS	SP Q200 7H S	198.26	197.60	26.04	26.05	-0.01	13.20	1.81
B13	Max WS	SP Q200 2H S	197.55	197.00	12.92	10.76	2.16	9.28	1.06
B13	Max WS	SP Q200 3H S	197.65	197.00	23.94	23.33	0.61	9.28	1.99
B13	Max WS	SP Q200 4H S	197.68	197.00	29.40	28.77	0.63	9.28	2.30
B13	Max WS	SP Q200 5H S	197.70	197.00	31.90	31.33	0.56	9.28	2.44
B13	Max WS	SP Q200 6H S	197.70	197.00	32.13	31.65	0.48	9.28	2.46
B13	Max WS	SP Q200 7H S	197.69	197.00	30.15	29.44	0.71	9.28	2.34
B14	Max WS	SP Q200 2H S	196.99	196.10	11.98	10.21	1.78	3.60	1.19
B14	Max WS	SP Q200 3H S	197.24	196.10	30.99	27.31	3.68	13.06	4.33
B14	Max WS	SP Q200 4H S	197.33	196.10	37.85	36.71	1.14	13.06	5.49
B14	Max WS	SP Q200 5H S	197.36	196.10	41.00	36.33	4.67	13.06	5.89
B14	Max WS	SP Q200 6H S	197.36	196.10	41.34	41.28	0.06	13.06	5.93
B14	Max WS	SP Q200 7H S	197.33	196.10	40.00	39.39	0.61	13.06	5.49
B2	Max WS	SP Q200 2H S	206.85	206.25	4.22	4.17	0.05	6.72	1.46
B2	Max WS	SP Q200 3H S	206.82	206.25	3.09	3.08	0.01	6.72	1.24
B2	Max WS	SP Q200 4H S	206.78	206.25	2.00	1.98	0.02	6.72	0.95
B2	Max WS	SP Q200 5H S	206.75	206.25	1.43	1.43	0.00	2.68	0.76
B2	Max WS	SP Q200 6H S	206.73	206.25	1.10	1.10	0.00	2.68	0.71
B2	Max WS	SP Q200 7H S	206.71	206.25	0.86	0.86	0.00	2.68	0.67
B3	Max WS	SP Q200 2H S	205.80	204.60	4.17	2.65	1.51	11.09	2.33
B3	Max WS	SP Q200 3H S	205.82	204.60	3.08	2.26	0.82	11.09	2.56
B3	Max WS	SP Q200 4H S	205.81	204.60	1.98	1.77	0.21	11.09	2.38
B3	Max WS	SP Q200 5H S	205.79	204.60	1.43	1.28	0.15	11.09	2.22

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)
B3	Max WS	SP Q200 6H S	205.78	204.60	1.10	1.05	0.05	11.09	2.05
B3	Max WS	SP Q200 7H S	205.75	204.60	0.86	0.74	0.12	11.09	1.80
B3b	Max WS	SP Q200 2H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B3b	Max WS	SP Q200 3H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B3b	Max WS	SP Q200 4H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B3b	Max WS	SP Q200 5H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B3b	Max WS	SP Q200 6H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B3b	Max WS	SP Q200 7H S	204.90	204.90	0.00	0.00	0.00	0.02	0.00
B4	Max WS	SP Q200 2H S	205.78	204.30	2.65	1.57	1.09	2.23	0.98
B4	Max WS	SP Q200 3H S	205.81	204.30	2.26	1.95	0.32	2.23	1.04
B4	Max WS	SP Q200 4H S	205.80	204.30	1.77	1.62	0.15	2.23	1.02
B4	Max WS	SP Q200 5H S	205.79	204.30	1.28	1.23	0.04	2.23	0.99
B4	Max WS	SP Q200 6H S	205.77	204.30	1.05	1.05	0.01	2.23	0.96
B4	Max WS	SP Q200 7H S	205.75	204.30	0.74	0.81	-0.08	2.23	0.91
B4b	Max WS	SP Q200 2H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B4b	Max WS	SP Q200 3H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B4b	Max WS	SP Q200 4H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B4b	Max WS	SP Q200 5H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B4b	Max WS	SP Q200 6H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B4b	Max WS	SP Q200 7H S	204.60	204.60	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 2H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 3H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 4H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 5H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 6H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B5	Max WS	SP Q200 7H S	201.73	201.73	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 2H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 3H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 4H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 5H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 6H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B6	Max WS	SP Q200 7H S	200.50	200.50	0.00	0.00	0.00	0.02	0.00
B7	Max WS	SP Q200 2H S	200.13	200.00	0.02	0.00	0.02	0.02	0.00
B7	Max WS	SP Q200 3H S	200.19	200.00	0.00	0.00	0.00	0.11	0.01
B7	Max WS	SP Q200 4H S	200.21	200.00	0.00	0.00	0.00	0.11	0.01
B7	Max WS	SP Q200 5H S	200.22	200.00	0.00	0.00	0.00	0.11	0.01
B7	Max WS	SP Q200 6H S	200.22	200.00	0.00	0.00	0.00	0.11	0.01
B7	Max WS	SP Q200 7H S	200.21	200.00	0.00	0.00	0.00	0.11	0.01
B8	Max WS	SP Q200 2H S	200.13	199.50	0.52	0.47	0.04	5.08	0.94
B8	Max WS	SP Q200 3H S	200.19	199.50	1.42	1.46	-0.03	5.08	1.25
B8	Max WS	SP Q200 4H S	200.21	199.50	1.68	2.02	-0.34	5.08	1.35
B8	Max WS	SP Q200 5H S	200.22	199.50	1.84	2.22	-0.38	5.08	1.39
B8	Max WS	SP Q200 6H S	200.22	199.50	2.51	2.18	0.33	5.08	1.38
B8	Max WS	SP Q200 7H S	200.21	199.50	2.32	1.95	0.38	5.08	1.34
B9	Max WS	SP Q200 2H S	200.13	199.00	19.11	19.15	-0.04	9.32	2.79
B9	Max WS	SP Q200 3H S	200.19	199.00	30.87	30.83	0.04	9.32	3.35
B9	Max WS	SP Q200 4H S	200.21	199.00	35.64	35.26	0.38	9.32	3.55
B9	Max WS	SP Q200 5H S	200.22	199.00	37.15	36.80	0.35	9.32	3.61
B9	Max WS	SP Q200 6H S	200.22	199.00	36.90	37.28	-0.38	9.32	3.60
B9	Max WS	SP Q200 7H S	200.21	199.00	35.16	35.50	-0.34	9.32	3.53
C1	Max WS	SP Q200 2H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00
C1	Max WS	SP Q200 3H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00
C1	Max WS	SP Q200 4H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00
C1	Max WS	SP Q200 5H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00
C1	Max WS	SP Q200 6H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00
C1	Max WS	SP Q200 7H S	204.50	204.50	0.00	0.00	0.00	15.00	0.00

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)
C10	Max WS	SP Q200 2H S	200.16	199.50	19.12	19.11	0.01	6.20	1.87
C10	Max WS	SP Q200 3H S	200.24	199.50	30.92	30.87	0.06	6.20	2.32
C10	Max WS	SP Q200 4H S	200.26	199.50	35.67	35.64	0.03	8.00	2.50
C10	Max WS	SP Q200 5H S	200.27	199.50	37.24	37.15	0.09	8.00	2.56
C10	Max WS	SP Q200 6H S	200.27	199.50	37.04	36.90	0.14	8.00	2.55
C10	Max WS	SP Q200 7H S	200.26	199.50	35.13	35.16	-0.03	8.00	2.48
C2	Max WS	SP Q200 2H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C2	Max WS	SP Q200 3H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C2	Max WS	SP Q200 4H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C2	Max WS	SP Q200 5H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C2	Max WS	SP Q200 6H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C2	Max WS	SP Q200 7H S	204.30	204.30	0.00	0.00	0.00	0.01	0.00
C3	Max WS	SP Q200 2H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C3	Max WS	SP Q200 3H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C3	Max WS	SP Q200 4H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C3	Max WS	SP Q200 5H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C3	Max WS	SP Q200 6H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C3	Max WS	SP Q200 7H S	203.00	203.00	0.00	0.00	0.00	0.02	0.00
C4	Max WS	SP Q200 2H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C4	Max WS	SP Q200 3H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C4	Max WS	SP Q200 4H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C4	Max WS	SP Q200 5H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C4	Max WS	SP Q200 6H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C4	Max WS	SP Q200 7H S	204.10	204.10	0.00	0.00	0.00	0.01	0.00
C5	Max WS	SP Q200 2H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C5	Max WS	SP Q200 3H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C5	Max WS	SP Q200 4H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C5	Max WS	SP Q200 5H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C5	Max WS	SP Q200 6H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C5	Max WS	SP Q200 7H S	202.00	202.00	0.00	0.00	0.00	0.02	0.00
C6	Max WS	SP Q200 2H S	202.15	201.70	0.38	0.35	0.03	3.40	0.58
C6	Max WS	SP Q200 3H S	202.16	201.70	0.38	0.38	0.01	3.40	0.59
C6	Max WS	SP Q200 4H S	202.15	201.70	0.36	0.36	0.00	3.40	0.58
C6	Max WS	SP Q200 5H S	202.15	201.70	0.33	0.32	0.00	3.40	0.57
C6	Max WS	SP Q200 6H S	202.15	201.70	0.29	0.29	0.00	3.40	0.55
C6	Max WS	SP Q200 7H S	202.15	201.70	0.28	0.28	0.00	3.40	0.55
C7	Max WS	SP Q200 2H S	201.05	200.60	0.35	0.35	0.00	0.07	0.01
C7	Max WS	SP Q200 3H S	201.06	200.60	0.38	0.38	0.00	0.07	0.01
C7	Max WS	SP Q200 4H S	201.05	200.60	0.36	0.36	0.00	0.07	0.01
C7	Max WS	SP Q200 5H S	201.03	200.60	0.32	0.32	0.00	0.07	0.01
C7	Max WS	SP Q200 6H S	201.01	200.60	0.29	0.29	0.00	0.07	0.01
C7	Max WS	SP Q200 7H S	201.01	200.60	0.28	0.28	0.00	0.07	0.01
C8	Max WS	SP Q200 2H S	200.17	199.20	0.35	0.73	-0.38	3.36	0.79
C8	Max WS	SP Q200 3H S	200.25	199.20	0.38	0.70	-0.32	3.36	1.04
C8	Max WS	SP Q200 4H S	200.27	199.20	0.36	0.75	-0.40	3.36	1.12
C8	Max WS	SP Q200 5H S	200.28	199.20	0.32	0.00	0.32	3.36	1.15
C8	Max WS	SP Q200 6H S	200.28	199.20	0.29	0.00	0.29	3.36	1.15
C8	Max WS	SP Q200 7H S	200.27	199.20	0.28	0.00	0.28	3.36	1.11
C9	Max WS	SP Q200 2H S	200.17	199.50	1.80	1.18	0.62	4.36	1.10
C9	Max WS	SP Q200 3H S	200.25	199.50	2.73	2.27	0.46	4.36	1.42
C9	Max WS	SP Q200 4H S	200.27	199.50	3.36	2.84	0.52	9.68	1.64
C9	Max WS	SP Q200 5H S	200.28	199.50	2.83	3.12	-0.29	9.68	1.72
C9	Max WS	SP Q200 6H S	200.28	199.50	2.76	3.05	-0.29	9.68	1.71
C9	Max WS	SP Q200 7H S	200.27	199.50	2.30	2.45	-0.15	9.68	1.59
D1	Max WS	SP Q200 2H S	200.05	199.00	6.17	6.14	0.03	3.27	0.38

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)
D1	Max WS	SP Q200 3H S	200.16	199.00	12.28	12.19	0.09	3.27	0.76
D1	Max WS	SP Q200 4H S	200.21	199.00	16.19	15.95	0.24	3.27	0.92
D1	Max WS	SP Q200 5H S	200.23	199.00	17.68	17.52	0.16	3.27	0.97
D1	Max WS	SP Q200 6H S	200.23	199.00	17.75	17.71	0.04	3.27	0.98
D1	Max WS	SP Q200 7H S	200.23	199.00	17.16	17.15	0.01	3.27	0.96
D2	Max WS	SP Q200 2H S	199.38	198.50	9.95	7.25	2.70	0.76	0.23
D2	Max WS	SP Q200 3H S	199.52	198.50	18.62	16.61	2.01	2.32	0.36
D2	Max WS	SP Q200 4H S	199.60	198.50	23.50	22.80	0.70	2.32	0.54
D2	Max WS	SP Q200 5H S	199.65	198.50	25.36	23.90	1.45	2.32	0.67
D2	Max WS	SP Q200 6H S	199.67	198.50	25.44	24.37	1.08	2.32	0.72
D2	Max WS	SP Q200 7H S	199.66	198.50	24.71	24.60	0.11	2.32	0.69
D3	Max WS	SP Q200 2H S	199.38	198.00	7.25	9.78	-2.52	32.68	11.86
D3	Max WS	SP Q200 3H S	199.51	198.00	17.07	16.92	0.15	57.38	16.45
D3	Max WS	SP Q200 4H S	199.59	198.00	23.60	24.10	-0.50	57.38	20.93
D3	Max WS	SP Q200 5H S	199.65	198.00	24.84	25.63	-0.79	57.38	24.18
D3	Max WS	SP Q200 6H S	199.67	198.00	25.32	26.02	-0.71	57.38	25.32
D3	Max WS	SP Q200 7H S	199.66	198.00	25.51	25.84	-0.33	57.38	24.78
D4	Max WS	SP Q200 2H S	199.38	197.30	9.78	5.31	4.47	26.63	16.94
D4	Max WS	SP Q200 3H S	199.51	197.30	16.92	17.70	-0.78	30.19	20.46
D4	Max WS	SP Q200 4H S	199.59	197.30	27.87	24.92	2.96	30.19	22.80
D4	Max WS	SP Q200 5H S	199.65	197.30	32.72	31.90	0.82	30.19	24.52
D4	Max WS	SP Q200 6H S	199.67	197.30	34.63	38.50	-3.87	30.19	25.11
D4	Max WS	SP Q200 7H S	199.66	197.30	34.32	32.07	2.25	30.19	24.83
D5	Max WS	SP Q200 2H S	199.38	197.00	13.50	14.50	-1.00	13.46	10.88
D5	Max WS	SP Q200 3H S	199.51	197.00	27.59	26.74	0.85	14.14	12.64
D5	Max WS	SP Q200 4H S	199.59	197.00	35.43	35.17	0.26	14.14	13.73
D5	Max WS	SP Q200 5H S	199.64	197.00	42.61	41.79	0.82	14.14	14.53
D5	Max WS	SP Q200 6H S	199.66	197.00	49.19	44.17	5.01	14.14	14.80
D5	Max WS	SP Q200 7H S	199.66	197.00	42.52	43.05	-0.53	14.14	14.67

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	SP Q200 2H S	12.25	207.94	207.45	0.49	0.29	13.11	44.48
A1-A2	Max WS	SP Q200 3H S	10.53	207.91	207.45	0.46	0.27	11.78	44.37
A1-A2	Max WS	SP Q200 4H S	8.78	207.88	207.45	0.43	0.23	10.35	44.25
A1-A2	Max WS	SP Q200 5H S	6.94	207.84	207.45	0.39	0.20	8.72	44.11
A1-A2	Max WS	SP Q200 6H S	5.57	207.81	207.45	0.36	0.17	7.39	43.99
A1-A2	Max WS	SP Q200 7H S	4.47	207.79	207.45	0.34	0.14	6.21	43.89
A10-A11	Max WS	SP Q200 2H S	0.00	196.93	196.20	0.73	0.27	51.33	188.06
A10-A11	Max WS	SP Q200 3H S	0.00	197.19	196.20	0.99	0.48	107.31	224.89
A10-A11	Max WS	SP Q200 4H S	0.00	197.29	196.20	1.09	0.58	131.05	227.82
A10-A11	Max WS	SP Q200 5H S	6.11	197.34	196.20	1.14	0.62	141.35	229.08
A10-A11	Max WS	SP Q200 6H S	0.00	197.34	196.20	1.14	0.62	141.98	229.16
A10-A11	Max WS	SP Q200 7H S	0.00	197.29	196.20	1.09	0.57	130.83	227.80
A2-A3	Max WS	SP Q200 2H S	17.62	207.48	207.07	0.41	0.26	20.08	76.58
A2-A3	Max WS	SP Q200 3H S	15.42	207.46	207.07	0.39	0.24	18.29	76.07
A2-A3	Max WS	SP Q200 4H S	12.96	207.43	207.07	0.36	0.21	16.19	75.46
A2-A3	Max WS	SP Q200 5H S	10.62	207.40	207.07	0.33	0.19	14.06	74.84
A2-A3	Max WS	SP Q200 6H S	8.71	207.37	207.07	0.30	0.16	12.20	74.29
A2-A3	Max WS	SP Q200 7H S	7.20	207.35	207.07	0.28	0.14	10.62	73.83
A3-A4	Max WS	SP Q200 2H S	21.19	205.30	204.52	0.78	0.32	20.65	64.42
A3-A4	Max WS	SP Q200 3H S	19.60	205.28	204.52	0.76	0.31	19.43	63.16
A3-A4	Max WS	SP Q200 4H S	17.29	205.25	204.52	0.73	0.29	17.54	60.47
A3-A4	Max WS	SP Q200 5H S	14.90	205.21	204.52	0.69	0.28	15.43	55.99
A3-A4	Max WS	SP Q200 6H S	12.95	205.18	204.52	0.66	0.26	13.67	51.97
A3-A4	Max WS	SP Q200 7H S	10.86	205.14	204.52	0.62	0.25	11.73	47.16
A4-A5	Max WS	SP Q200 2H S	21.11	204.81	204.10	0.71	0.25	23.02	91.90
A4-A5	Max WS	SP Q200 3H S	19.60	204.80	204.10	0.70	0.24	21.74	91.03
A4-A5	Max WS	SP Q200 4H S	17.28	204.78	204.10	0.68	0.22	19.70	89.64
A4-A5	Max WS	SP Q200 5H S	14.90	204.75	204.10	0.65	0.20	17.51	88.11
A4-A5	Max WS	SP Q200 6H S	12.96	204.73	204.10	0.63	0.18	15.62	86.77
A4-A5	Max WS	SP Q200 7H S	10.86	204.71	204.10	0.61	0.16	13.42	85.19
A7-A8	Max WS	SP Q200 2H S	3.73	199.34	199.10	0.24	0.14	5.57	38.58
A7-A8	Max WS	SP Q200 3H S	3.77	199.34	199.10	0.24	0.15	5.62	38.70
A7-A8	Max WS	SP Q200 4H S	2.76	199.31	199.10	0.21	0.12	4.44	35.54
A7-A8	Max WS	SP Q200 5H S	1.44	199.25	199.10	0.15	0.09	2.75	30.42
A7-A8	Max WS	SP Q200 6H S	0.37	199.19	199.10	0.09	0.05	1.05	22.94
A7-A8	Max WS	SP Q200 7H S	0.00	199.09	199.10				
A8-A9	Max WS	SP Q200 2H S	9.94	198.18	197.90	0.28	0.18	13.12	74.68
A8-A9	Max WS	SP Q200 3H S	10.20	198.18	197.90	0.28	0.18	13.40	75.07
A8-A9	Max WS	SP Q200 4H S	9.26	198.17	197.90	0.27	0.17	12.42	73.65
A8-A9	Max WS	SP Q200 5H S	7.90	198.15	197.90	0.25	0.15	10.96	71.46
A8-A9	Max WS	SP Q200 6H S	6.68	198.13	197.90	0.23	0.14	9.57	69.31
A8-A9	Max WS	SP Q200 7H S	5.91	198.11	197.90	0.21	0.14	8.65	62.74
A9-A10	Max WS	SP Q200 2H S	4.76	197.43	197.20	0.23	0.17	6.81	41.17
A9-A10	Max WS	SP Q200 3H S	5.01	197.44	197.20	0.24	0.17	7.06	41.33
A9-A10	Max WS	SP Q200 4H S	4.27	197.42	197.20	0.22	0.15	6.30	40.84
A9-A10	Max WS	SP Q200 5H S	4.23	197.42	197.20	0.22	0.15	6.26	40.81
A9-A10	Max WS	SP Q200 6H S	4.09	197.41	197.20	0.21	0.15	6.11	40.72
A9-A10	Max WS	SP Q200 7H S	3.10	197.39	197.20	0.19	0.13	4.97	38.52
B1-B2	Max WS	SP Q200 2H S	3.98	207.55	207.26	0.29	0.17	5.47	32.72
B1-B2	Max WS	SP Q200 3H S	2.89	207.51	207.26	0.25	0.14	4.28	29.56
B1-B2	Max WS	SP Q200 4H S	1.83	207.46	207.26	0.20	0.12	3.03	25.82
B1-B2	Max WS	SP Q200 5H S	1.27	207.43	207.26	0.17	0.10	2.30	23.36
B1-B2	Max WS	SP Q200 6H S	0.95	207.41	207.26	0.15	0.09	1.88	21.79
B1-B2	Max WS	SP Q200 7H S	0.72	207.40	207.26	0.14	0.08	1.54	20.45
B10-B11	Max WS	SP Q200 2H S	0.45	199.55	199.47	0.08	0.05	1.22	26.39
B10-B11	Max WS	SP Q200 3H S	1.46	199.60	199.47	0.13	0.09	2.85	32.41
B10-B11	Max WS	SP Q200 4H S	2.01	199.62	199.47	0.15	0.10	3.62	34.90
B10-B11	Max WS	SP Q200 5H S	2.22	199.63	199.47	0.16	0.11	3.89	35.72
B10-B11	Max WS	SP Q200 6H S	2.18	199.63	199.47	0.16	0.11	3.85	35.59
B10-B11	Max WS	SP Q200 7H S	1.95	199.62	199.47	0.15	0.10	3.54	34.63
B10-B8	Max WS	SP Q200 2H S	-0.45	200.13	200.00	0.13	0.04	1.00	23.11
B10-B8	Max WS	SP Q200 3H S	-1.46	200.19	200.00	0.19	0.07	2.93	41.47
B10-B8	Max WS	SP Q200 4H S	-2.02	200.21	200.00	0.21	0.08	3.87	47.94
B10-B8	Max WS	SP Q200 5H S	-2.22	200.22	200.00	0.22	0.08	4.20	50.00
B10-B8	Max WS	SP Q200 6H S	-2.18	200.22	200.00	0.22	0.08	4.14	49.62
B10-B8	Max WS	SP Q200 7H S	-1.95	200.21	200.00	0.21	0.08	3.75	47.19
B11-B12	Max WS	SP Q200 2H S	10.87	198.48	197.80	0.68	0.19	13.08	67.21
B11-B12	Max WS	SP Q200 3H S	21.26	198.60	197.80	0.80	0.22	23.59	106.80
B11-B12	Max WS	SP Q200 4H S	25.89	198.64	197.80	0.84	0.25	27.69	111.79
B11-B12	Max WS	SP Q200 5H S	27.34	198.65	197.80	0.85	0.26	28.92	113.22
B11-B12	Max WS	SP Q200 6H S	27.09	198.65	197.80	0.85	0.25	28.71	112.98
B11-B12	Max WS	SP Q200 7H S	25.34	198.63	197.80	0.83	0.24	27.21	111.24
B12-B13	Max WS	SP Q200 2H S	10.85	198.10	197.70	0.40	0.19	12.99	69.05
B12-B13	Max WS	SP Q200 3H S	21.45	198.22	197.70	0.52	0.22	23.58	107.75
B12-B13	Max WS	SP Q200 4H S	26.42	198.26	197.70	0.56	0.23	28.28	120.83

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 Width (m)
B12-B13	Max WS	SP Q200 5H S	28.01	198.27	197.70	0.57	0.24	29.70	124.27
B12-B13	Max WS	SP Q200 6H S	27.88	198.27	197.70	0.57	0.24	29.59	124.00
B12-B13	Max WS	SP Q200 7H S	26.05	198.26	197.70	0.56	0.23	27.95	120.02
B13-B14	Max WS	SP Q200 2H S	10.76	197.55	197.10	0.45	0.11	14.58	132.50
B13-B14	Max WS	SP Q200 3H S	23.33	197.65	197.10	0.55	0.20	28.50	142.81
B13-B14	Max WS	SP Q200 4H S	28.77	197.68	197.10	0.58	0.23	33.41	147.35
B13-B14	Max WS	SP Q200 5H S	31.33	197.70	197.10	0.60	0.24	35.62	149.45
B13-B14	Max WS	SP Q200 6H S	31.65	197.70	197.10	0.60	0.24	35.90	149.70
B13-B14	Max WS	SP Q200 7H S	29.44	197.69	197.10	0.58	0.23	33.99	147.91
B2-B3	Max WS	SP Q200 2H S	4.17	206.85	206.55	0.30	0.14	6.52	47.54
B2-B3	Max WS	SP Q200 3H S	3.08	206.82	206.55	0.27	0.13	5.07	39.42
B2-B3	Max WS	SP Q200 4H S	1.98	206.78	206.55	0.23	0.11	3.55	31.33
B2-B3	Max WS	SP Q200 5H S	1.43	206.75	206.55	0.20	0.10	2.72	27.45
B2-B3	Max WS	SP Q200 6H S	1.10	206.73	206.55	0.18	0.09	2.21	24.75
B2-B3	Max WS	SP Q200 7H S	0.86	206.71	206.55	0.16	0.08	1.81	22.39
B3-B3b	Max WS	SP Q200 2H S	0.00	205.80	207.30				
B3-B3b	Max WS	SP Q200 3H S	0.00	205.82	207.30				
B3-B3b	Max WS	SP Q200 4H S	0.00	205.81	207.30				
B3-B3b	Max WS	SP Q200 5H S	0.00	205.79	207.30				
B3-B3b	Max WS	SP Q200 6H S	0.00	205.78	207.30				
B3-B3b	Max WS	SP Q200 7H S	0.00	205.75	207.30				
B3-B4	Max WS	SP Q200 2H S	2.65	205.80	204.60	1.20	0.85	2.91	3.44
B3-B4	Max WS	SP Q200 3H S	2.26	205.82	204.60	1.22	0.69	2.99	4.31
B3-B4	Max WS	SP Q200 4H S	1.77	205.81	204.60	1.21	0.81	2.92	3.61
B3-B4	Max WS	SP Q200 5H S	1.28	205.79	204.60	1.19	0.87	2.88	3.32
B3-B4	Max WS	SP Q200 6H S	1.05	205.78	204.60	1.18	0.86	2.83	3.30
B3-B4	Max WS	SP Q200 7H S	0.74	205.75	204.60	1.15	0.84	2.75	3.27
B3b-B4b	Max WS	SP Q200 2H S	0.00	204.90	205.30				
B3b-B4b	Max WS	SP Q200 3H S	0.00	204.90	205.30				
B3b-B4b	Max WS	SP Q200 4H S	0.00	204.90	205.30				
B3b-B4b	Max WS	SP Q200 5H S	0.00	204.90	205.30				
B3b-B4b	Max WS	SP Q200 6H S	0.00	204.90	205.30				
B3b-B4b	Max WS	SP Q200 7H S	0.00	204.90	205.30				
B4-B4b	Max WS	SP Q200 2H S	0.00	205.78	206.80				
B4-B4b	Max WS	SP Q200 3H S	0.00	205.81	206.80				
B4-B4b	Max WS	SP Q200 4H S	0.00	205.80	206.80				
B4-B4b	Max WS	SP Q200 5H S	0.00	205.79	206.80				
B4-B4b	Max WS	SP Q200 6H S	0.00	205.77	206.80				
B4-B4b	Max WS	SP Q200 7H S	0.00	205.75	206.80				
B4-B5	Max WS	SP Q200 2H S	0.00	204.60	204.70				
B4-B5	Max WS	SP Q200 3H S	0.00	204.60	204.70				
B4-B5	Max WS	SP Q200 4H S	0.00	204.60	204.70				
B4-B5	Max WS	SP Q200 5H S	0.00	204.60	204.70				
B4-B5	Max WS	SP Q200 6H S	0.00	204.60	204.70				
B4-B5	Max WS	SP Q200 7H S	0.00	204.60	204.70				
B4-C1	Max WS	SP Q200 2H S	0.00	204.60	204.80				
B4-C1	Max WS	SP Q200 3H S	0.00	204.60	204.80				
B4-C1	Max WS	SP Q200 4H S	0.00	204.60	204.80				
B4-C1	Max WS	SP Q200 5H S	0.00	204.60	204.80				
B4-C1	Max WS	SP Q200 6H S	0.00	204.60	204.80				
B4-C1	Max WS	SP Q200 7H S	0.00	204.60	204.80				
B4b-B5	Max WS	SP Q200 2H S	0.00	204.60	204.70				
B4b-B5	Max WS	SP Q200 3H S	0.00	204.60	204.70				
B4b-B5	Max WS	SP Q200 4H S	0.00	204.60	204.70				
B4b-B5	Max WS	SP Q200 5H S	0.00	204.60	204.70				
B4b-B5	Max WS	SP Q200 6H S	0.00	204.60	204.70				
B4b-B5	Max WS	SP Q200 7H S	0.00	204.60	204.70				
B4b-C1	Max WS	SP Q200 2H S	0.00	204.60	204.80				
B4b-C1	Max WS	SP Q200 3H S	0.00	204.60	204.80				
B4b-C1	Max WS	SP Q200 4H S	0.00	204.60	204.80				
B4b-C1	Max WS	SP Q200 5H S	0.00	204.60	204.80				
B4b-C1	Max WS	SP Q200 6H S	0.00	204.60	204.80				
B4b-C1	Max WS	SP Q200 7H S	0.00	204.60	204.80				
B5-B6	Max WS	SP Q200 2H S	0.00	201.73	202.00				
B5-B6	Max WS	SP Q200 3H S	0.00	201.73	202.00				
B5-B6	Max WS	SP Q200 4H S	0.00	201.73	202.00				
B5-B6	Max WS	SP Q200 5H S	0.00	201.73	202.00				
B5-B6	Max WS	SP Q200 6H S	0.00	201.73	202.00				
B5-B6	Max WS	SP Q200 7H S	0.00	201.73	202.00				
B5-C6	Max WS	SP Q200 2H S	0.00	202.15	202.30				
B5-C6	Max WS	SP Q200 3H S	0.00	202.16	202.30				
B5-C6	Max WS	SP Q200 4H S	0.00	202.15	202.30				
B5-C6	Max WS	SP Q200 5H S	0.00	202.15	202.30				
B5-C6	Max WS	SP Q200 6H S	0.00	202.15	202.30				
B5-C6	Max WS	SP Q200 7H S	0.00	202.15	202.30				

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 Width (m)
B6-B7	Max WS	SP Q200 2H S	0.00	200.50	201.55				
B6-B7	Max WS	SP Q200 3H S	0.00	200.50	201.55				
B6-B7	Max WS	SP Q200 4H S	0.00	200.50	201.55				
B6-B7	Max WS	SP Q200 5H S	0.00	200.50	201.55				
B6-B7	Max WS	SP Q200 6H S	0.00	200.50	201.55				
B6-B7	Max WS	SP Q200 7H S	0.00	200.50	201.55				
B6-C7	Max WS	SP Q200 2H S	0.00	201.05	201.70				
B6-C7	Max WS	SP Q200 3H S	0.00	201.06	201.70				
B6-C7	Max WS	SP Q200 4H S	0.00	201.05	201.70				
B6-C7	Max WS	SP Q200 5H S	0.00	201.03	201.70				
B6-C7	Max WS	SP Q200 6H S	0.00	201.01	201.70				
B6-C7	Max WS	SP Q200 7H S	0.00	201.01	201.70				
B7-B10	Max WS	SP Q200 2H S	0.00	200.13	200.25				
B7-B10	Max WS	SP Q200 3H S	0.00	200.19	200.25				
B7-B10	Max WS	SP Q200 4H S	0.00	200.21	200.25				
B7-B10	Max WS	SP Q200 5H S	0.00	200.22	200.25				
B7-B10	Max WS	SP Q200 6H S	0.00	200.22	200.25				
B7-B10	Max WS	SP Q200 7H S	0.00	200.21	200.25				
B7-B8	Max WS	SP Q200 2H S	-0.02	200.13	200.00	0.13	0.11	0.11	1.01
B7-B8	Max WS	SP Q200 3H S	0.00	200.19	200.00	0.19	0.15	0.18	1.14
B7-B8	Max WS	SP Q200 4H S	0.00	200.21	200.00	0.21	0.17	0.20	1.19
B7-B8	Max WS	SP Q200 5H S	0.00	200.22	200.00	0.22	0.17	0.21	1.21
B7-B8	Max WS	SP Q200 6H S	0.00	200.22	200.00	0.22	0.17	0.21	1.21
B7-B8	Max WS	SP Q200 7H S	0.00	200.21	200.00	0.21	0.17	0.20	1.19
B7-C8	Max WS	SP Q200 2H S	0.00	200.17	200.35				
B7-C8	Max WS	SP Q200 3H S	0.00	200.25	200.35				
B7-C8	Max WS	SP Q200 4H S	0.00	200.27	200.35				
B7-C8	Max WS	SP Q200 5H S	0.00	200.28	200.35				
B7-C8	Max WS	SP Q200 6H S	0.00	200.28	200.35				
B7-C8	Max WS	SP Q200 7H S	0.00	200.27	200.35				
B8-B9	Max WS	SP Q200 2H S	-0.52	200.13	199.85	0.28	0.19	6.65	34.41
B8-B9	Max WS	SP Q200 3H S	-1.31	200.19	199.85	0.34	0.23	8.86	38.99
B8-B9	Max WS	SP Q200 4H S	-1.35	200.21	199.85	0.36	0.24	9.69	40.59
B8-B9	Max WS	SP Q200 5H S	-1.42	200.22	199.85	0.37	0.24	9.97	41.10
B8-B9	Max WS	SP Q200 6H S	-2.11	200.22	199.85	0.37	0.24	9.93	41.03
B8-B9	Max WS	SP Q200 7H S	-2.05	200.21	199.85	0.36	0.24	9.61	40.43
B8-C9	Max WS	SP Q200 2H S	0.00	200.17	200.20				
B8-C9	Max WS	SP Q200 3H S	-0.12	200.25	200.20	0.05	0.02	0.43	17.72
B8-C9	Max WS	SP Q200 4H S	-0.33	200.27	200.20	0.07	0.04	0.93	21.38
B8-C9	Max WS	SP Q200 5H S	-0.42	200.28	200.20	0.08	0.05	1.11	22.38
B8-C9	Max WS	SP Q200 6H S	-0.40	200.28	200.20	0.08	0.05	1.08	22.19
B8-C9	Max WS	SP Q200 7H S	-0.28	200.27	200.20	0.07	0.04	0.82	20.75
B9-B11	Max WS	SP Q200 2H S	10.45	200.13	199.95	0.18	0.11	18.06	164.18
B9-B11	Max WS	SP Q200 3H S	19.63	200.19	199.95	0.24	0.16	28.37	179.20
B9-B11	Max WS	SP Q200 4H S	23.40	200.21	199.95	0.26	0.17	32.19	184.46
B9-B11	Max WS	SP Q200 5H S	24.66	200.22	199.95	0.27	0.18	33.43	186.14
B9-B11	Max WS	SP Q200 6H S	24.49	200.22	199.95	0.27	0.18	33.26	185.91
B9-B11	Max WS	SP Q200 7H S	23.00	200.21	199.95	0.26	0.17	31.80	183.93
B9-D5	Max WS	SP Q200 2H S	8.19	200.13	199.31	0.82	0.43	7.29	16.80
B9-D5	Max WS	SP Q200 3H S	9.89	200.19	199.31	0.88	0.49	8.30	16.80
B9-D5	Max WS	SP Q200 4H S	10.51	200.21	199.31	0.90	0.52	8.66	16.80
B9-D5	Max WS	SP Q200 5H S	10.71	200.22	199.31	0.91	0.52	8.77	16.80
B9-D5	Max WS	SP Q200 6H S	10.69	200.22	199.31	0.91	0.52	8.75	16.80
B9-D5	Max WS	SP Q200 7H S	10.45	200.21	199.31	0.90	0.51	8.62	16.80
C1-C2	Max WS	SP Q200 2H S	0.00	204.50	204.70				
C1-C2	Max WS	SP Q200 3H S	0.00	204.50	204.70				
C1-C2	Max WS	SP Q200 4H S	0.00	204.50	204.70				
C1-C2	Max WS	SP Q200 5H S	0.00	204.50	204.70				
C1-C2	Max WS	SP Q200 6H S	0.00	204.50	204.70				
C1-C2	Max WS	SP Q200 7H S	0.00	204.50	204.70				
C1-C3	Max WS	SP Q200 2H S	0.00	204.50	204.50				
C1-C3	Max WS	SP Q200 3H S	0.00	204.50	204.50				
C1-C3	Max WS	SP Q200 4H S	0.00	204.50	204.50				
C1-C3	Max WS	SP Q200 5H S	0.00	204.50	204.50				
C1-C3	Max WS	SP Q200 6H S	0.00	204.50	204.50				
C1-C3	Max WS	SP Q200 7H S	0.00	204.50	204.50				
C1-C4	Max WS	SP Q200 2H S	0.00	204.50	204.70				
C1-C4	Max WS	SP Q200 3H S	0.00	204.50	204.70				
C1-C4	Max WS	SP Q200 4H S	0.00	204.50	204.70				
C1-C4	Max WS	SP Q200 5H S	0.00	204.50	204.70				
C1-C4	Max WS	SP Q200 6H S	0.00	204.50	204.70				
C1-C4	Max WS	SP Q200 7H S	0.00	204.50	204.70				
C10-B9	Max WS	SP Q200 2H S	19.11	200.16	199.85	0.31	0.18	25.73	144.85
C10-B9	Max WS	SP Q200 3H S	30.87	200.24	199.85	0.39	0.23	36.94	164.01

HEC-RAS Profile: Max WS (Continued)

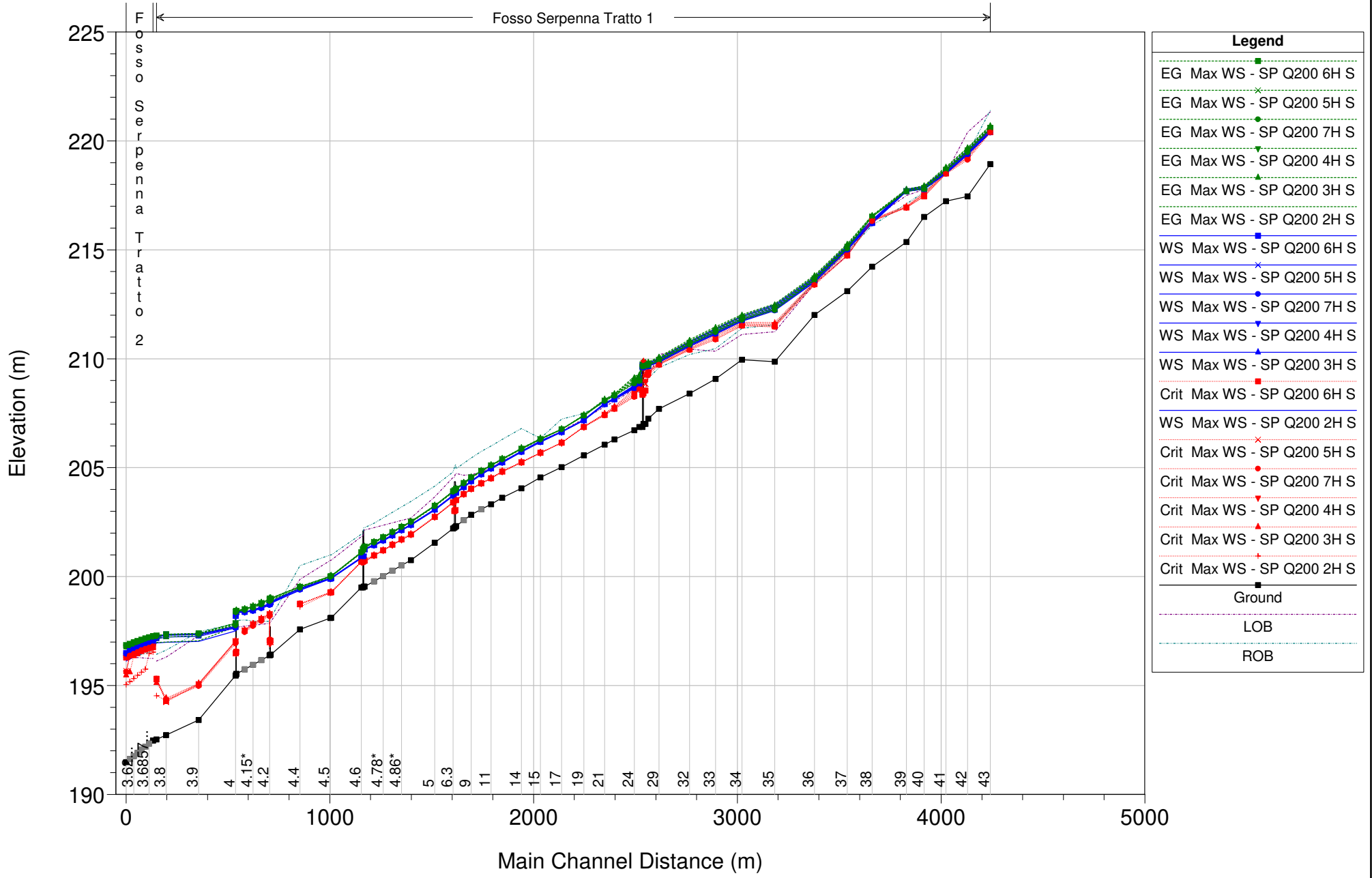
Connection	Profile	Plan	Q Total (m3/s)	W.S. Elev (m)	Min El Weir Flow (m)	Weir Max Depth (m)	Weir Avg Depth (m)	Weir Flow Area (m2)	Wr Top Width (m)
C10-B9	Max WS	SP Q200 4H S	35.64	200.26	199.85	0.41	0.24	41.09	168.76
C10-B9	Max WS	SP Q200 5H S	37.15	200.27	199.85	0.42	0.25	42.39	170.21
C10-B9	Max WS	SP Q200 6H S	36.90	200.27	199.85	0.42	0.25	42.18	169.98
C10-B9	Max WS	SP Q200 7H S	35.16	200.26	199.85	0.41	0.24	40.68	168.30
C2-C3	Max WS	SP Q200 2H S	0.00	204.30	204.80				
C2-C3	Max WS	SP Q200 3H S	0.00	204.30	204.80				
C2-C3	Max WS	SP Q200 4H S	0.00	204.30	204.80				
C2-C3	Max WS	SP Q200 5H S	0.00	204.30	204.80				
C2-C3	Max WS	SP Q200 6H S	0.00	204.30	204.80				
C2-C3	Max WS	SP Q200 7H S	0.00	204.30	204.80				
C3-C4	Max WS	SP Q200 2H S	0.00	204.10	204.50				
C3-C4	Max WS	SP Q200 3H S	0.00	204.10	204.50				
C3-C4	Max WS	SP Q200 4H S	0.00	204.10	204.50				
C3-C4	Max WS	SP Q200 5H S	0.00	204.10	204.50				
C3-C4	Max WS	SP Q200 6H S	0.00	204.10	204.50				
C3-C4	Max WS	SP Q200 7H S	0.00	204.10	204.50				
C4-C5	Max WS	SP Q200 2H S	0.00	204.10	204.35				
C4-C5	Max WS	SP Q200 3H S	0.00	204.10	204.35				
C4-C5	Max WS	SP Q200 4H S	0.00	204.10	204.35				
C4-C5	Max WS	SP Q200 5H S	0.00	204.10	204.35				
C4-C5	Max WS	SP Q200 6H S	0.00	204.10	204.35				
C4-C5	Max WS	SP Q200 7H S	0.00	204.10	204.35				
C5-C6	Max WS	SP Q200 2H S	0.00	202.15	202.90				
C5-C6	Max WS	SP Q200 3H S	0.00	202.16	202.90				
C5-C6	Max WS	SP Q200 4H S	0.00	202.15	202.90				
C5-C6	Max WS	SP Q200 5H S	0.00	202.15	202.90				
C5-C6	Max WS	SP Q200 6H S	0.00	202.15	202.90				
C5-C6	Max WS	SP Q200 7H S	0.00	202.15	202.90				
C6-C7	Max WS	SP Q200 2H S	0.35	202.15	201.95	0.20	0.04	1.38	37.76
C6-C7	Max WS	SP Q200 3H S	0.38	202.16	201.95	0.21	0.04	1.48	39.10
C6-C7	Max WS	SP Q200 4H S	0.36	202.15	201.95	0.20	0.04	1.39	37.92
C6-C7	Max WS	SP Q200 5H S	0.32	202.15	201.95	0.20	0.04	1.27	36.09
C6-C7	Max WS	SP Q200 6H S	0.29	202.15	201.95	0.20	0.03	1.13	33.91
C6-C7	Max WS	SP Q200 7H S	0.28	202.15	201.95	0.20	0.03	1.11	33.57
C7-C8	Max WS	SP Q200 2H S	0.35	201.05	200.60	0.45	0.23	0.68	3.01
C7-C8	Max WS	SP Q200 3H S	0.38	201.06	200.60	0.46	0.23	0.72	3.10
C7-C8	Max WS	SP Q200 4H S	0.36	201.05	200.60	0.45	0.23	0.68	3.02
C7-C8	Max WS	SP Q200 5H S	0.32	201.03	200.60	0.43	0.22	0.63	2.90
C7-C8	Max WS	SP Q200 6H S	0.29	201.01	200.60	0.41	0.21	0.57	2.77
C7-C8	Max WS	SP Q200 7H S	0.28	201.01	200.60	0.41	0.21	0.56	2.74
C8-C9	Max WS	SP Q200 2H S	0.73	200.17	200.00	0.17	0.09	6.19	69.91
C8-C9	Max WS	SP Q200 3H S	0.70	200.25	200.00	0.25	0.15	11.55	78.79
C8-C9	Max WS	SP Q200 4H S	0.75	200.27	200.00	0.27	0.13	13.84	106.86
C8-C9	Max WS	SP Q200 5H S	0.00	200.28	200.00	0.28	0.13	14.72	116.20
C8-C9	Max WS	SP Q200 6H S	0.00	200.28	200.00	0.28	0.13	14.54	114.40
C8-C9	Max WS	SP Q200 7H S	0.00	200.27	200.00	0.27	0.13	13.27	99.96
C9-C10	Max WS	SP Q200 2H S	1.18	200.17	200.00	0.17	0.13	3.61	28.89
C9-C10	Max WS	SP Q200 3H S	2.15	200.25	200.00	0.25	0.17	5.93	35.55
C9-C10	Max WS	SP Q200 4H S	2.52	200.27	200.00	0.27	0.18	6.86	38.39
C9-C10	Max WS	SP Q200 5H S	2.70	200.28	200.00	0.28	0.18	7.18	39.32
C9-C10	Max WS	SP Q200 6H S	2.65	200.28	200.00	0.28	0.18	7.12	39.14
C9-C10	Max WS	SP Q200 7H S	2.17	200.27	200.00	0.27	0.18	6.66	37.80
D1-D2	Max WS	SP Q200 2H S	6.14	200.05	199.39	0.66	0.17	6.68	39.13
D1-D2	Max WS	SP Q200 3H S	12.19	200.16	199.39	0.78	0.19	13.88	72.18
D1-D2	Max WS	SP Q200 4H S	15.95	200.21	199.39	0.83	0.23	17.45	75.34
D1-D2	Max WS	SP Q200 5H S	17.52	200.23	199.39	0.85	0.25	18.84	76.39
D1-D2	Max WS	SP Q200 6H S	17.71	200.23	199.39	0.85	0.25	19.00	76.52
D1-D2	Max WS	SP Q200 7H S	17.15	200.23	199.39	0.84	0.24	18.51	76.15
D2-D3	Max WS	SP Q200 2H S	7.25	199.38	198.45	0.93	0.26	23.55	92.32
D2-D3	Max WS	SP Q200 3H S	16.61	199.52	198.45	1.07	0.33	37.02	111.10
D2-D3	Max WS	SP Q200 4H S	22.80	199.60	198.45	1.15	0.38	46.28	122.89
D2-D3	Max WS	SP Q200 5H S	23.90	199.65	198.45	1.20	0.37	53.60	145.50
D2-D3	Max WS	SP Q200 6H S	24.37	199.67	198.45	1.22	0.37	56.52	152.13
D2-D3	Max WS	SP Q200 7H S	24.60	199.66	198.45	1.21	0.37	55.14	150.46
D3-D4	Max WS	SP Q200 2H S	9.78	199.38	198.44	0.94	0.42	90.94	218.94
D3-D4	Max WS	SP Q200 3H S	16.92	199.51	198.44	1.07	0.54	119.62	219.69
D3-D4	Max WS	SP Q200 4H S	24.10	199.59	198.44	1.15	0.62	136.77	220.06
D3-D4	Max WS	SP Q200 5H S	25.63	199.65	198.44	1.21	0.68	149.26	220.29
D3-D4	Max WS	SP Q200 6H S	26.02	199.67	198.44	1.23	0.70	153.62	220.37
D3-D4	Max WS	SP Q200 7H S	25.84	199.66	198.44	1.22	0.69	151.54	220.34
D4-D5	Max WS	SP Q200 2H S	5.31	199.38	197.27	2.11	0.74	133.93	180.04
D4-D5	Max WS	SP Q200 3H S	17.70	199.51	197.27	2.24	0.87	157.44	180.28
D4-D5	Max WS	SP Q200 4H S	24.92	199.59	197.27	2.32	0.95	171.45	180.42
D4-D5	Max WS	SP Q200 5H S	31.90	199.65	197.27	2.38	1.01	181.68	180.52
D4-D5	Max WS	SP Q200 6H S	38.50	199.67	197.27	2.40	1.03	185.26	180.56

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 Width (m)
D4-D5	Max WS	SP Q200 7H S	32.07	199.66	197.27	2.39	1.02	183.55	180.54

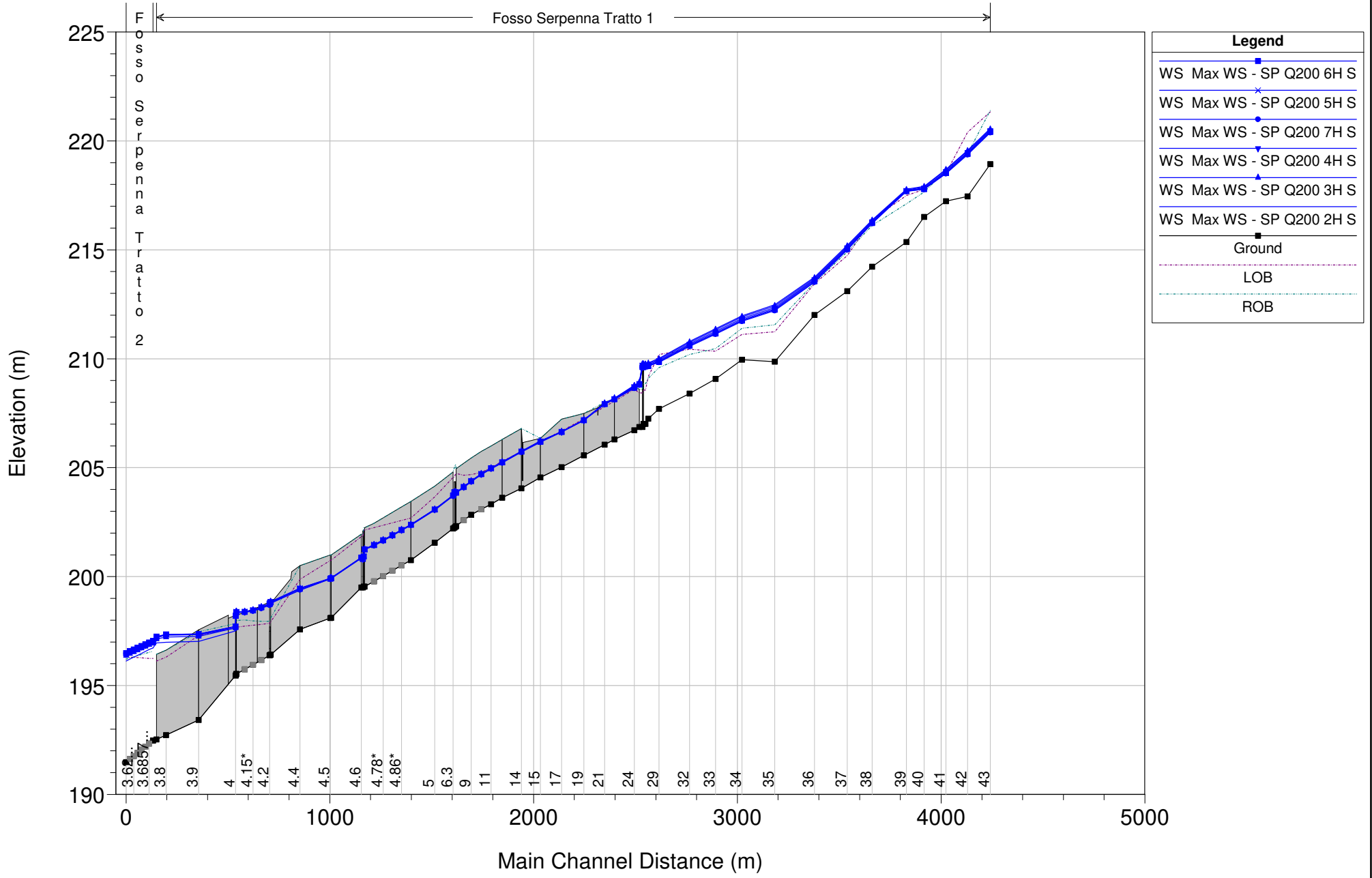
Profili longitudinali

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Serpenna

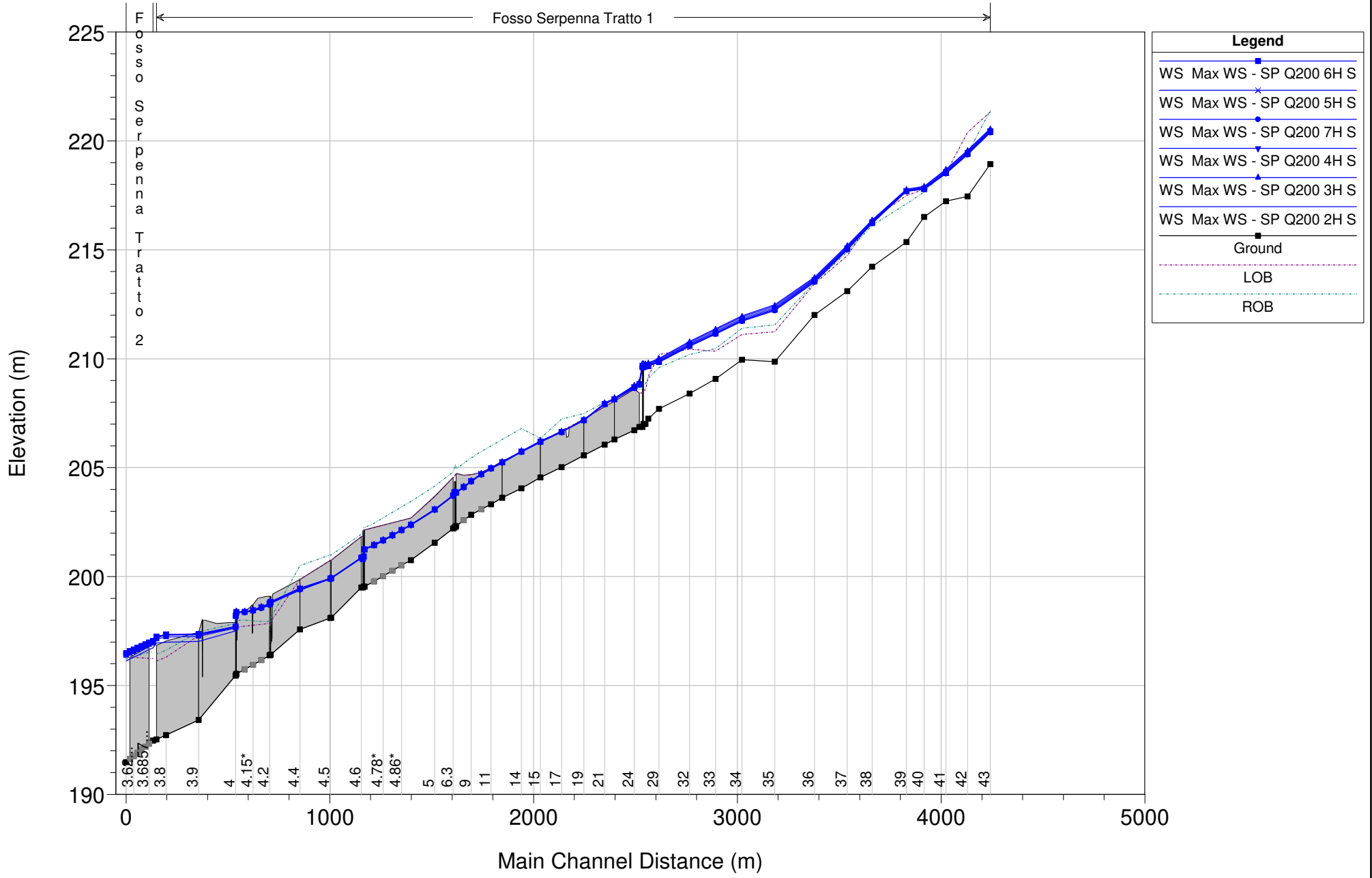


Legend	
EG Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 5H S	×
EG Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 4H S	▼
EG Max WS - SP Q200 3H S	▲
EG Max WS - SP Q200 2H S	■
WS Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 5H S	×
WS Max WS - SP Q200 7H S	●
WS Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 2H S	■
Crit Max WS - SP Q200 5H S	×
Crit Max WS - SP Q200 7H S	●
Crit Max WS - SP Q200 4H S	▼
Crit Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 2H S	■
Ground	■
LOB	- - -
ROB	- · - · -

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Serpenna - lateral DX



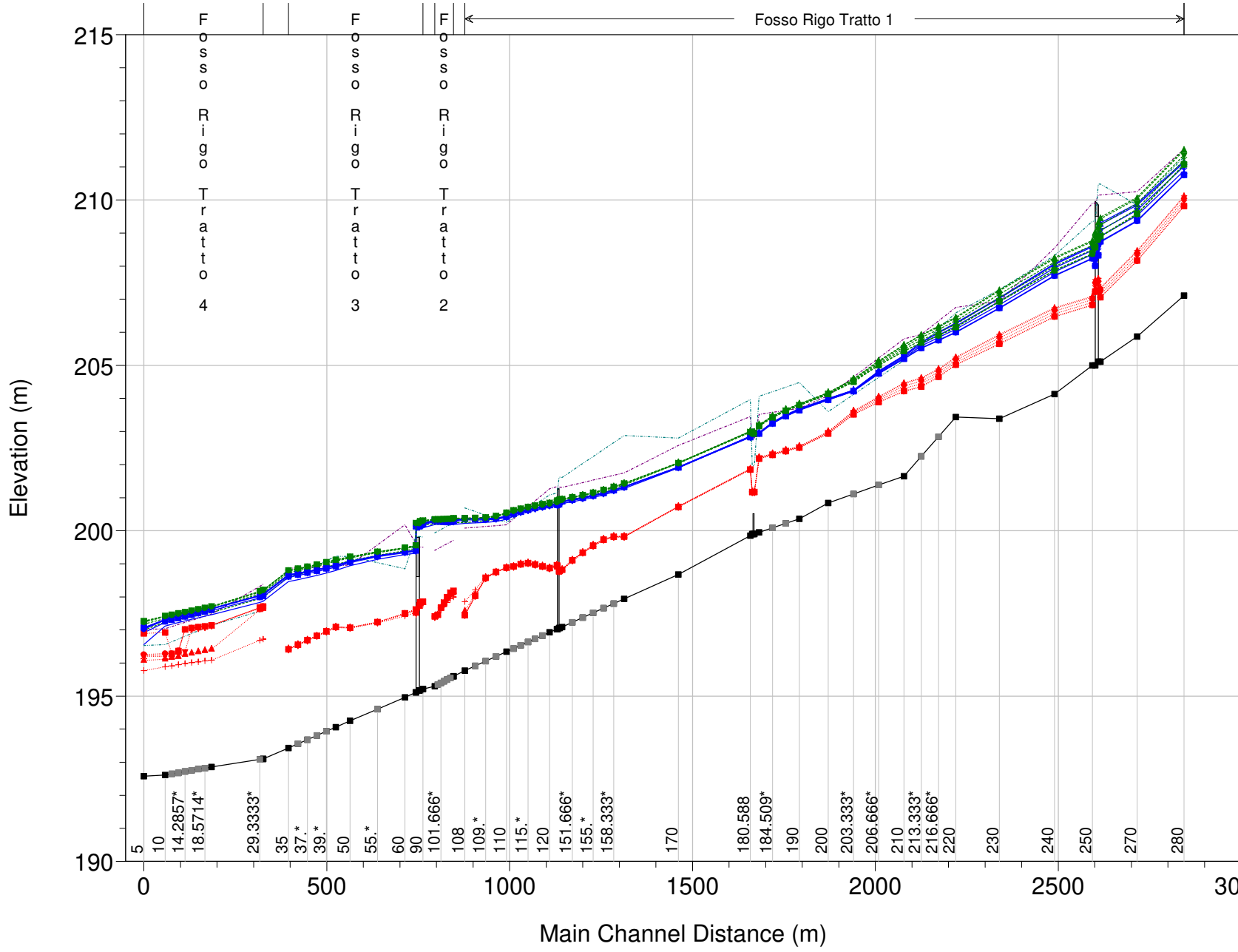
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Serpenna - lateral SX



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

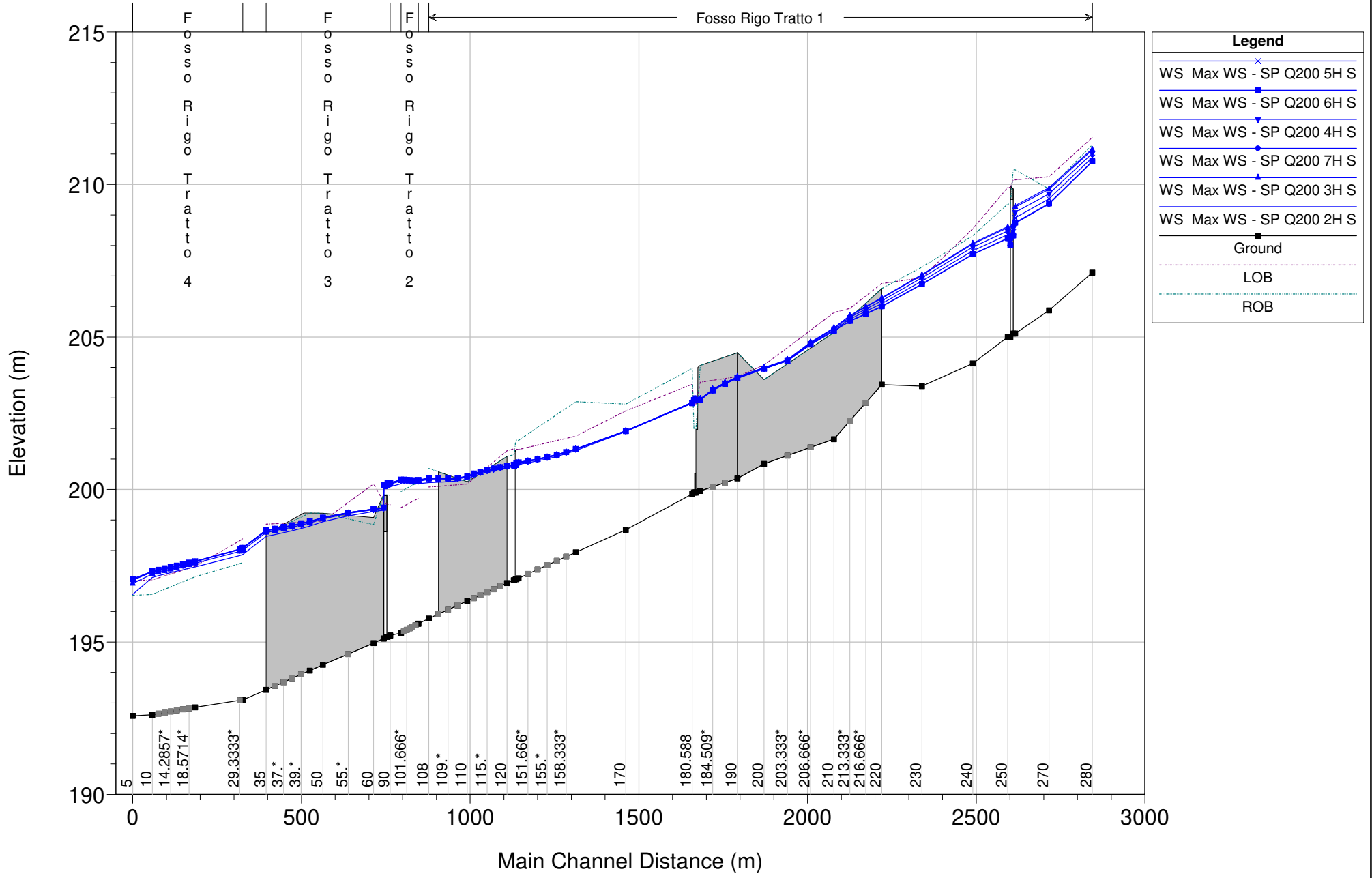
Profilo Torrente Rigo

Fosso Rigo Tratto 1



Legend	
EG Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 5H S	×
EG Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 4H S	▼
EG Max WS - SP Q200 3H S	▲
WS Max WS - SP Q200 5H S	×
WS Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 2H S	▲
WS Max WS - SP Q200 3H S	▼
Crit Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 2H S	●
Crit Max WS - SP Q200 7H S	●
Crit Max WS - SP Q200 4H S	▼
Crit Max WS - SP Q200 5H S	×
Crit Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 2H S	+
Ground	■
LOB	---
ROB	---

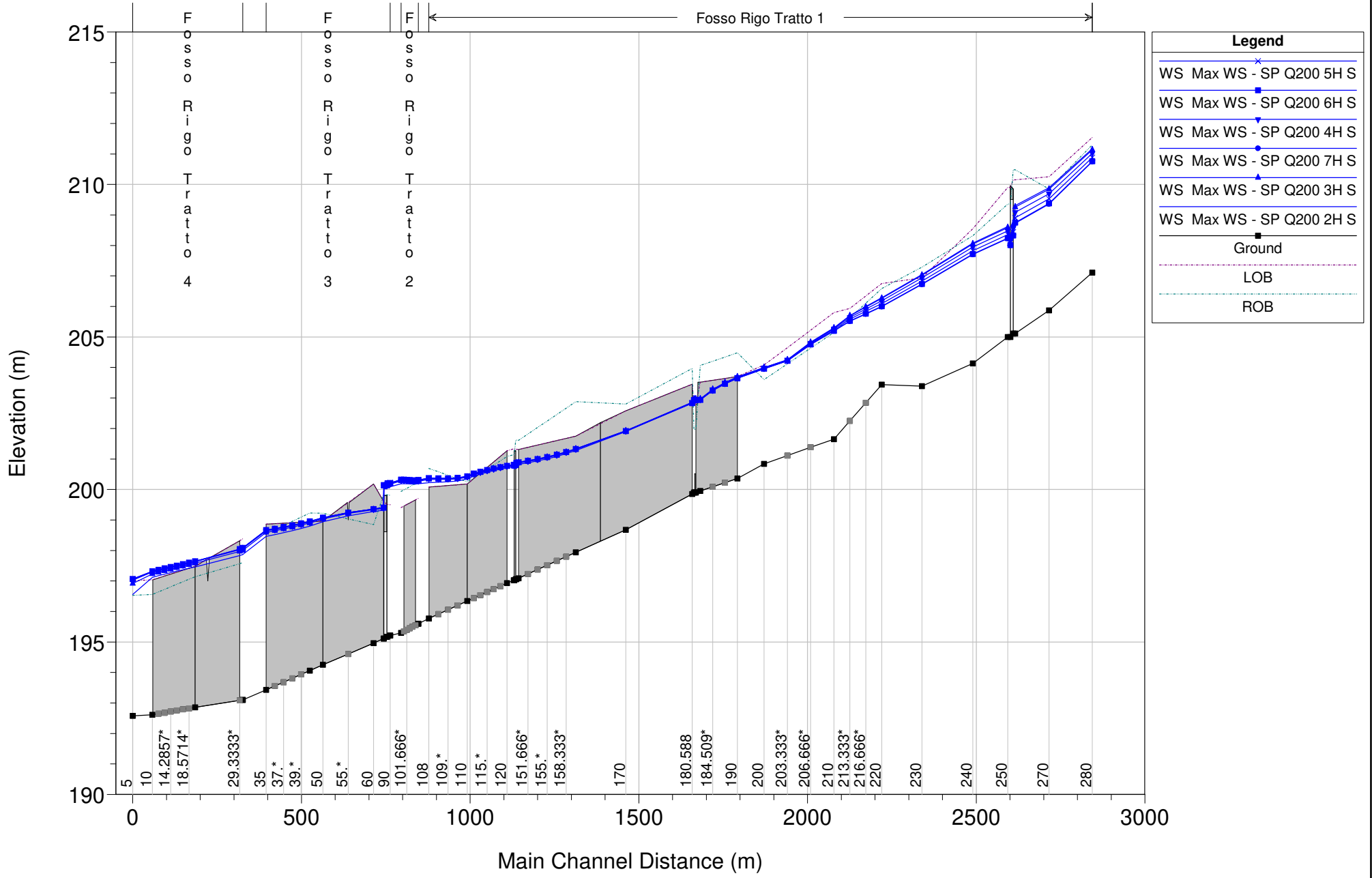
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Torrente Rigo - Lateral DX



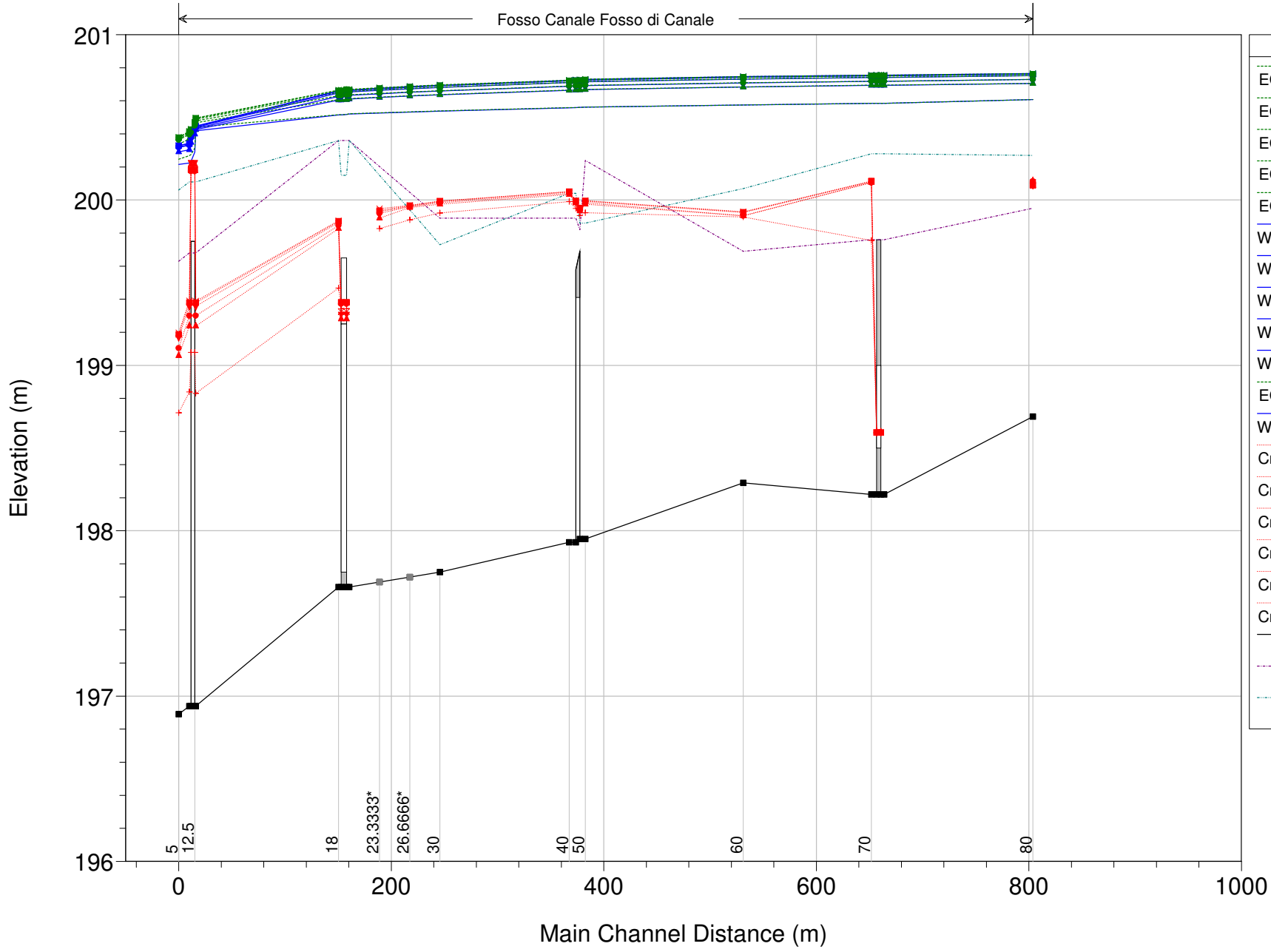
Legend

- WS Max WS - SP Q200 5H S
- WS Max WS - SP Q200 6H S
- WS Max WS - SP Q200 4H S
- WS Max WS - SP Q200 7H S
- WS Max WS - SP Q200 3H S
- WS Max WS - SP Q200 2H S
- Ground
- LOB
- ROB

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Torrente Rigo - Lateral SX



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso di Canale

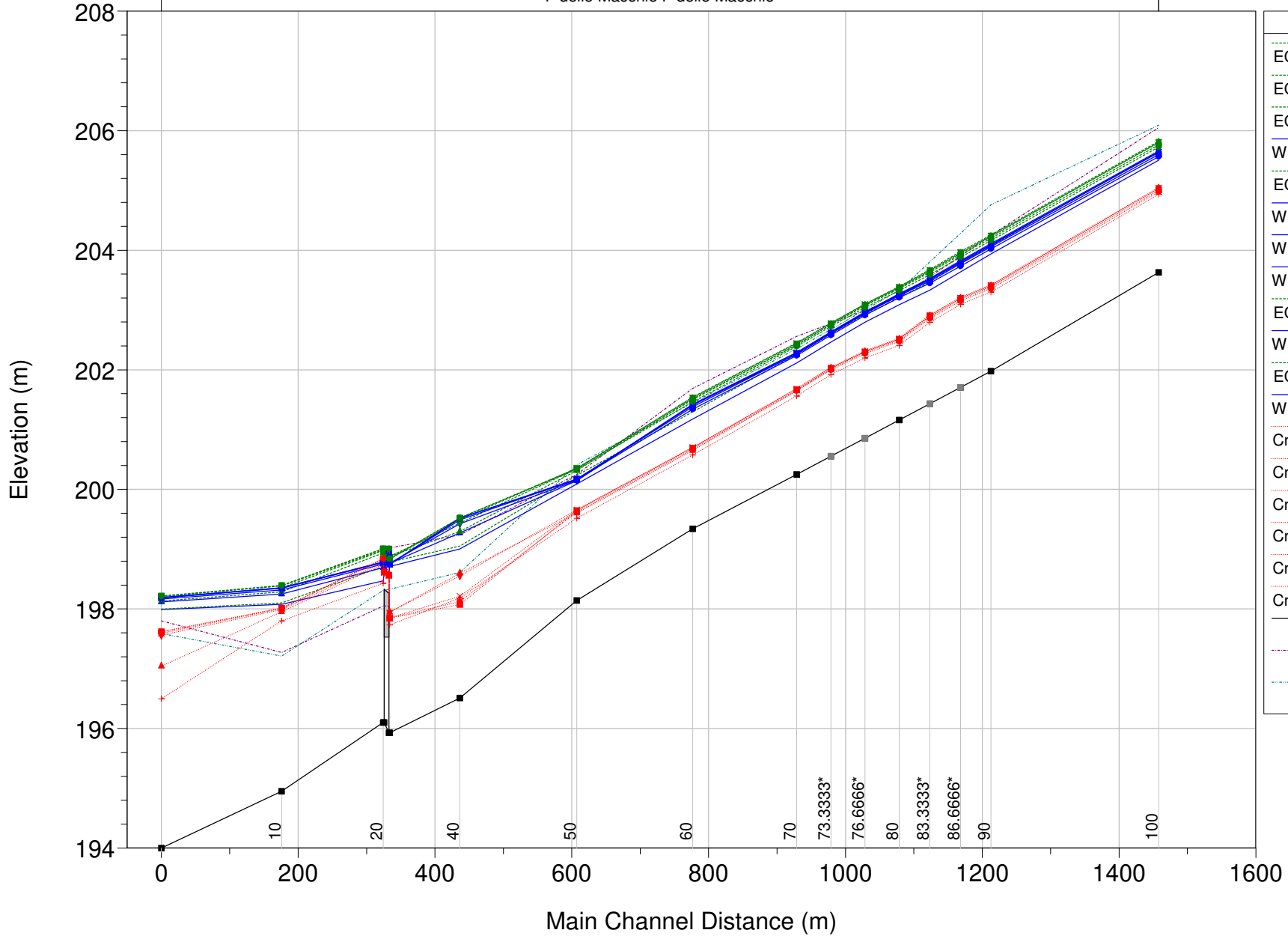


Legend	
EG Max WS - SP Q200 5H S	✕
EG Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 4H S	▼
EG Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 3H S	▲
WS Max WS - SP Q200 5H S	✕
WS Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 7H S	●
WS Max WS - SP Q200 3H S	▲
EG Max WS - SP Q200 2H S	✕
WS Max WS - SP Q200 2H S	■
Crit Max WS - SP Q200 5H S	✕
Crit Max WS - SP Q200 6H S	■
Crit Max WS - SP Q200 4H S	▼
Crit Max WS - SP Q200 7H S	●
Crit Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 2H S	+
Ground	■
LOB	---
ROB	---

5 12.5 18 23.3333* 26.6666* 30 40 50 60 70 80

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso delle Macchie

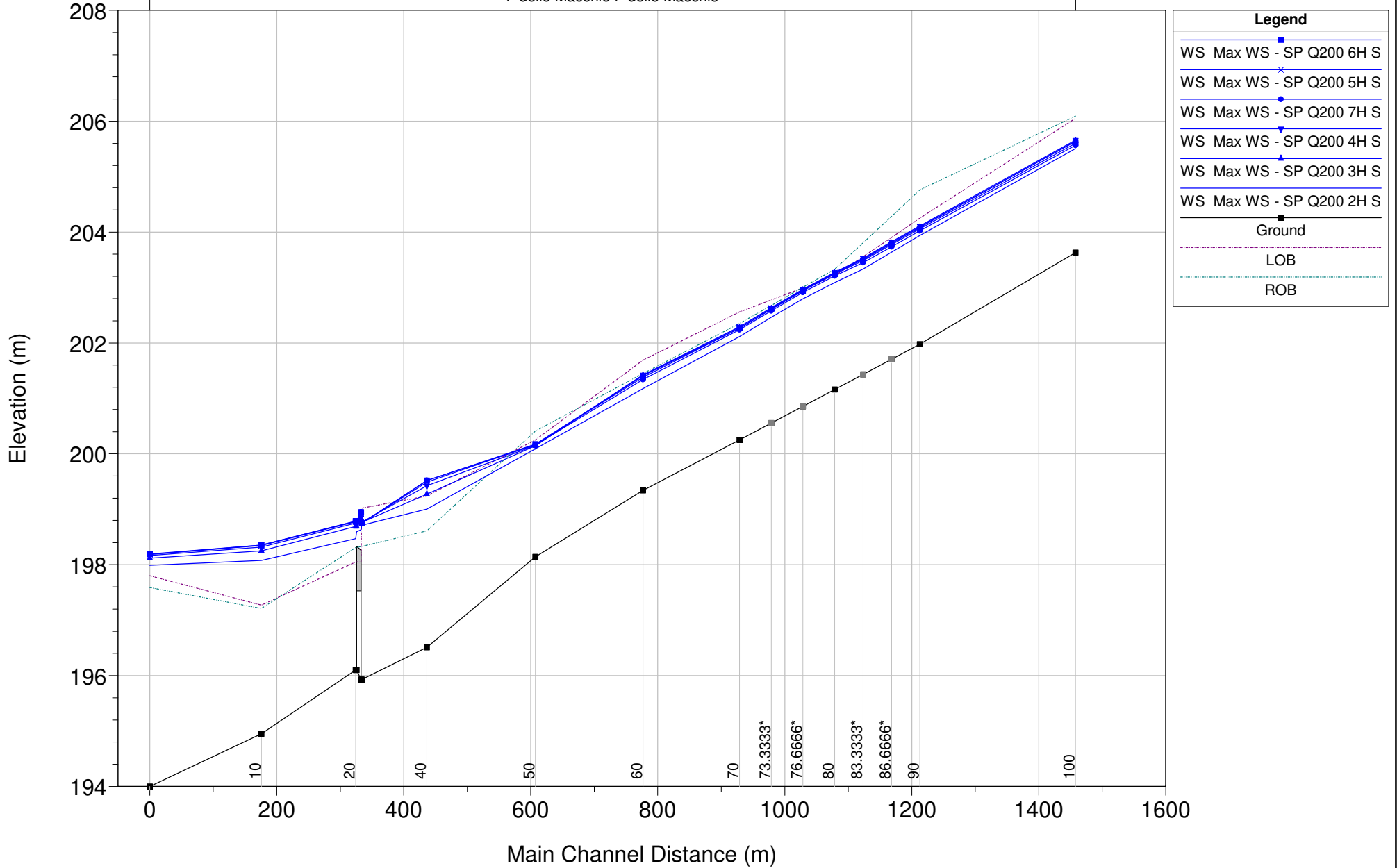
F delle Macchie F delle Macchie



Legend	
EG Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 5H S	×
WS Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 5H S	×
WS Max WS - SP Q200 7H S	●
WS Max WS - SP Q200 4H S	▼
EG Max WS - SP Q200 3H S	▲
WS Max WS - SP Q200 3H S	▲
EG Max WS - SP Q200 2H S	■
WS Max WS - SP Q200 2H S	■
Crit Max WS - SP Q200 6H S	■
Crit Max WS - SP Q200 7H S	●
Crit Max WS - SP Q200 5H S	×
Crit Max WS - SP Q200 4H S	▼
Crit Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 2H S	+
Ground	■
LOB	---
ROB	---

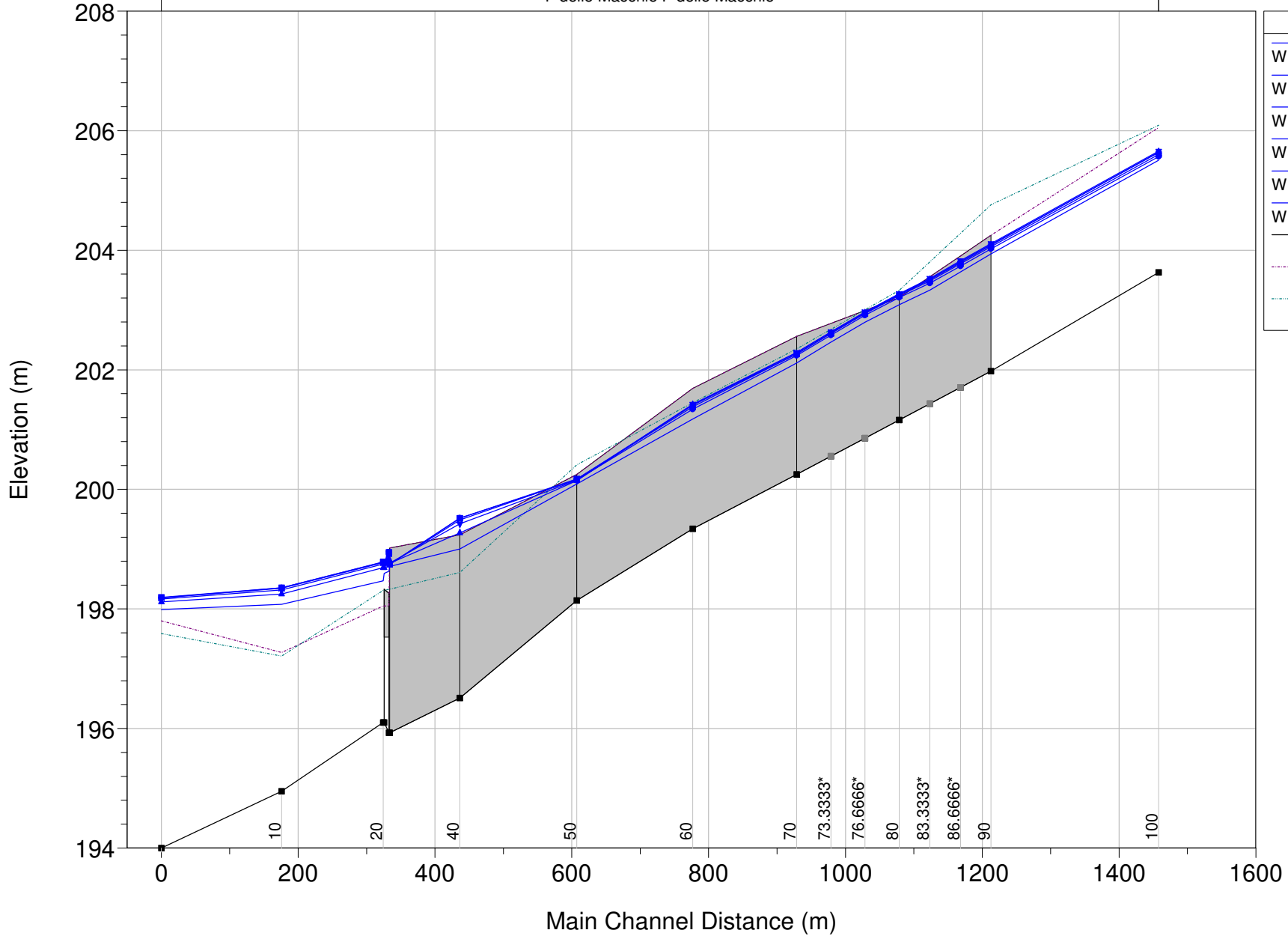
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso delle Macchie - lateral DX

F delle Macchie F delle Macchie



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso delle Macchie - lateral SX

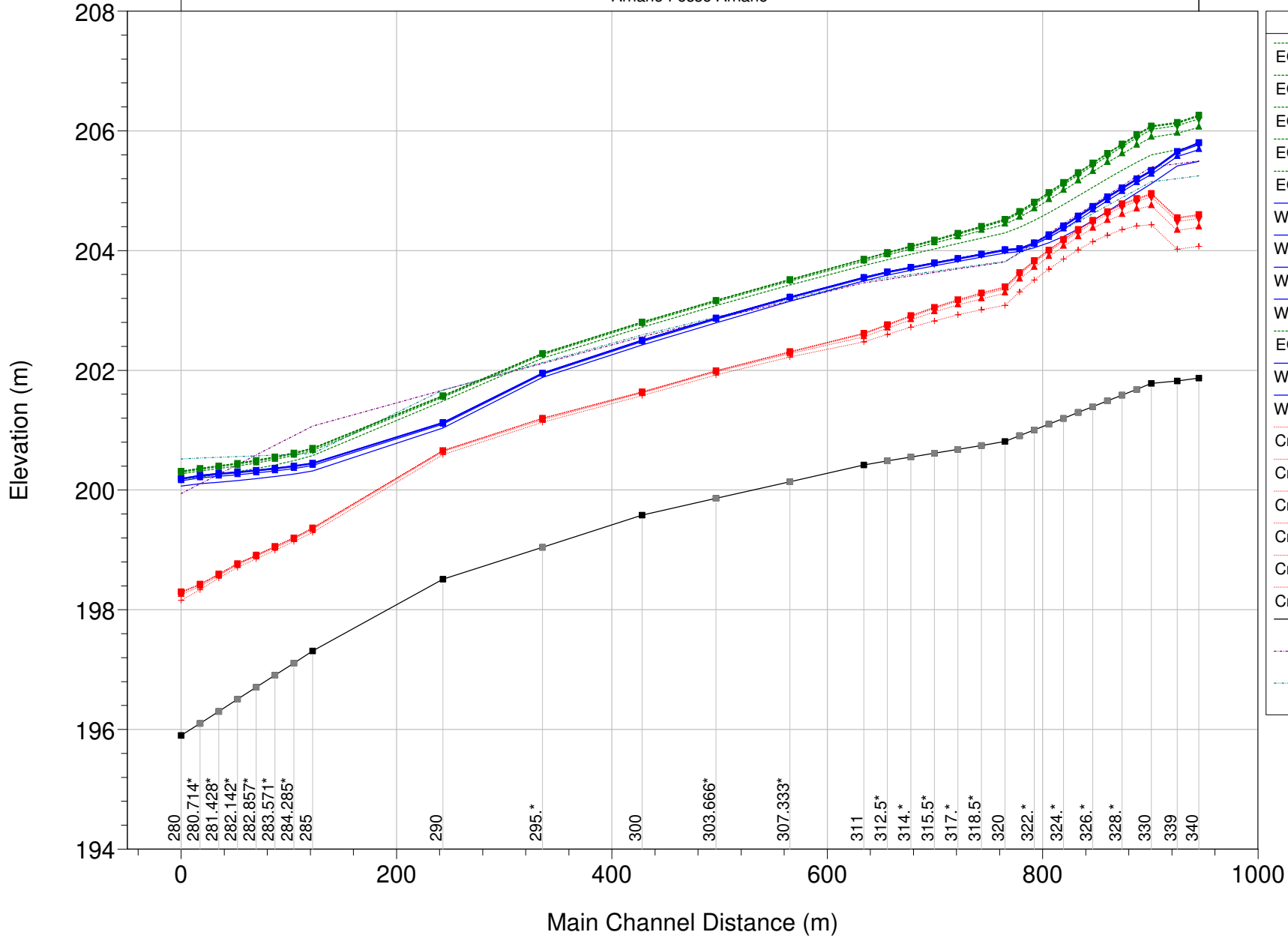
F delle Macchie F delle Macchie



Legend	
WS Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 5H S	×
WS Max WS - SP Q200 7H S	●
WS Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 3H S	▲
WS Max WS - SP Q200 2H S	■
Ground	■
LOB	---
ROB	...

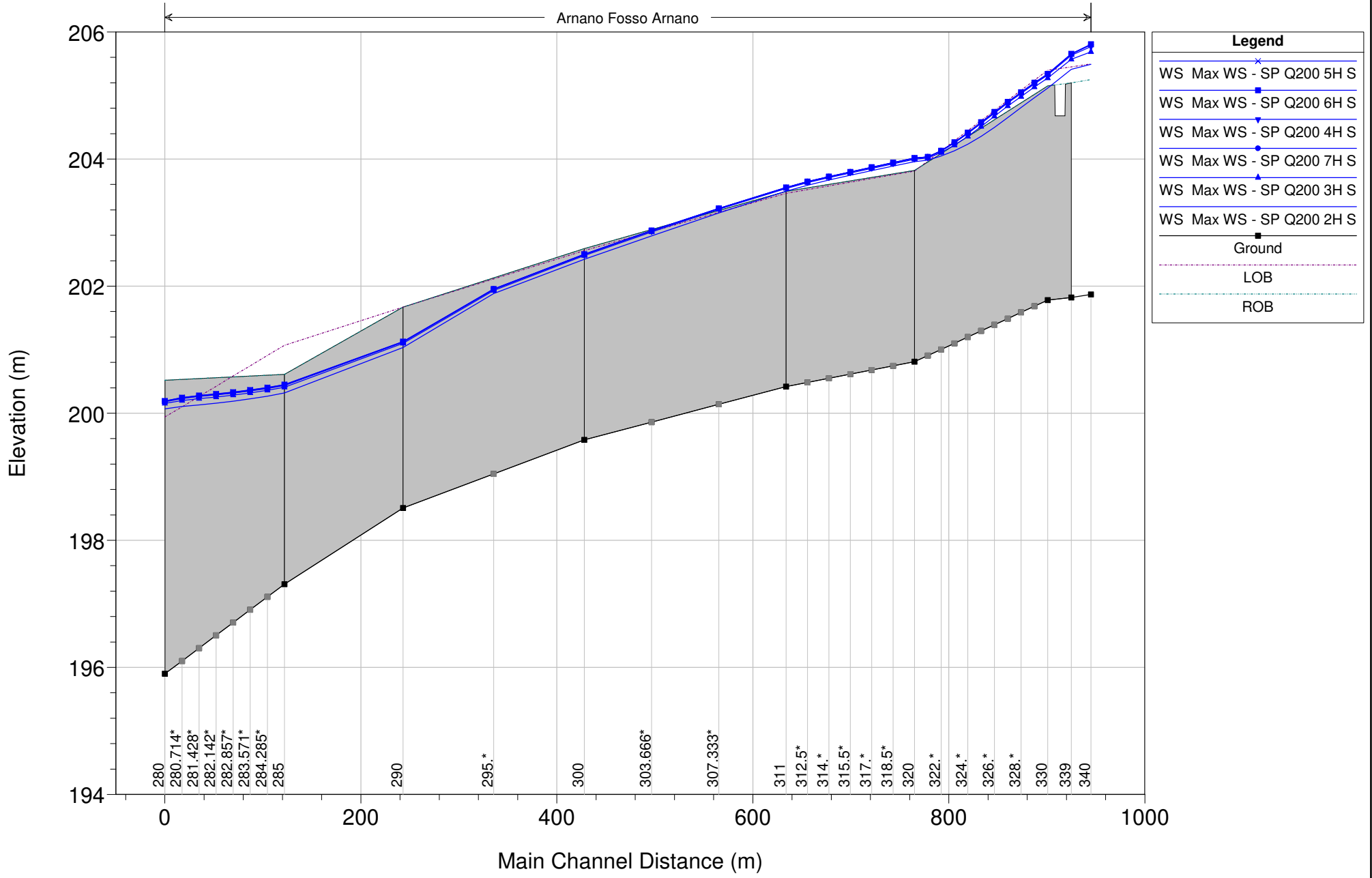
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Arnano

Arnano Fosso Arnano

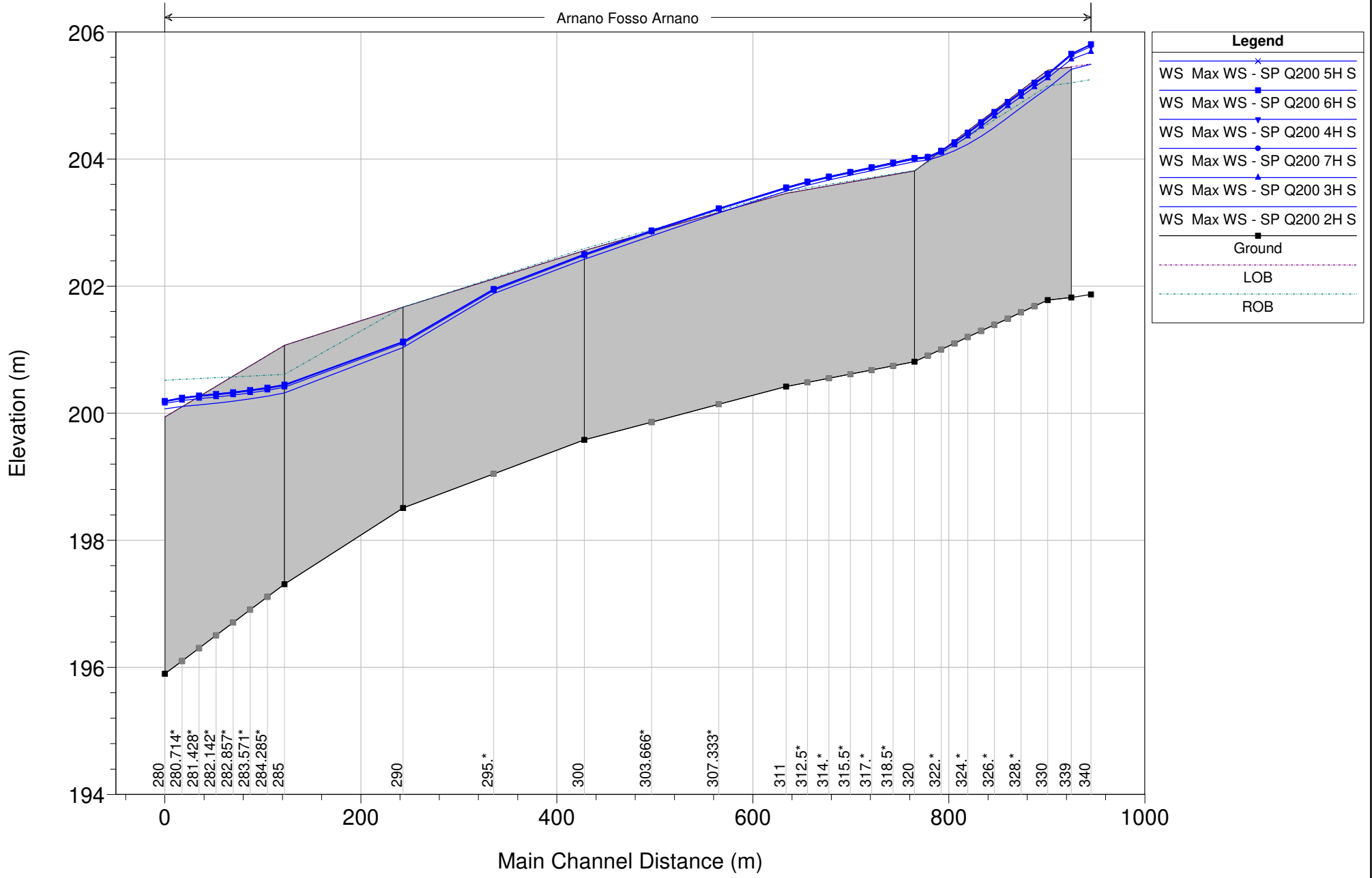


Legend	
EG Max WS - SP Q200 5H S	✕
EG Max WS - SP Q200 6H S	■
EG Max WS - SP Q200 4H S	▼
EG Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 3H S	▲
WS Max WS - SP Q200 5H S	✕
WS Max WS - SP Q200 6H S	■
WS Max WS - SP Q200 4H S	▼
WS Max WS - SP Q200 7H S	●
EG Max WS - SP Q200 2H S	▲
WS Max WS - SP Q200 3H S	■
WS Max WS - SP Q200 2H S	■
Crit Max WS - SP Q200 6H S	■
Crit Max WS - SP Q200 5H S	✕
Crit Max WS - SP Q200 4H S	▼
Crit Max WS - SP Q200 7H S	●
Crit Max WS - SP Q200 3H S	▲
Crit Max WS - SP Q200 2H S	+
Ground	■
LOB	- - - - -
ROB	- · - · - · -

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Arnano - lateral DX



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S
 Profilo Fosso Arnano - lateral SX

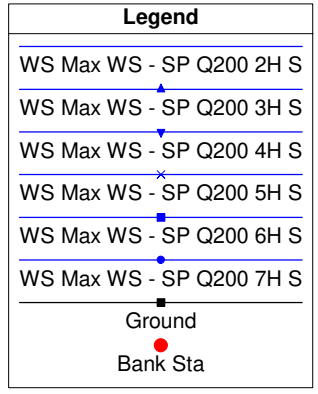
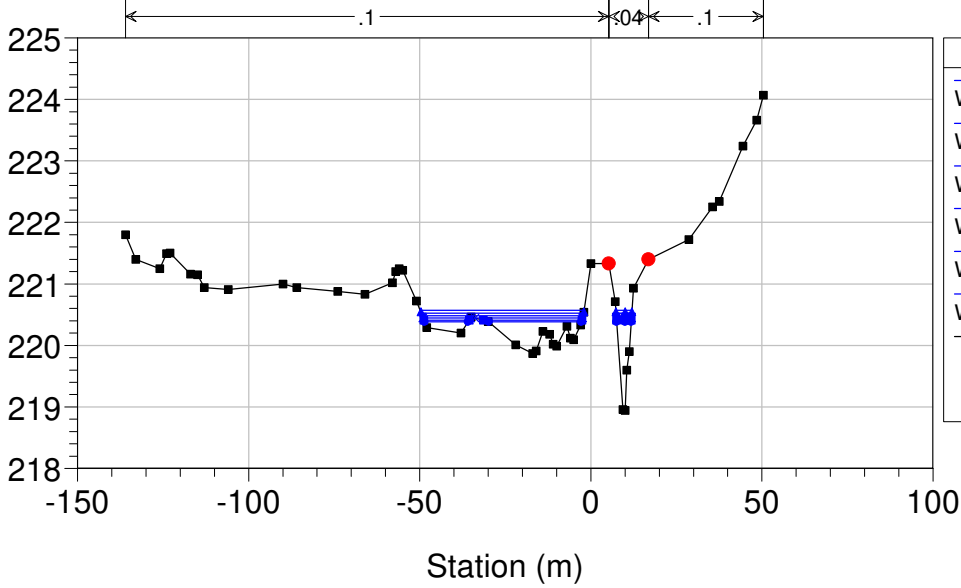


Sezioni idrauliche

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 43

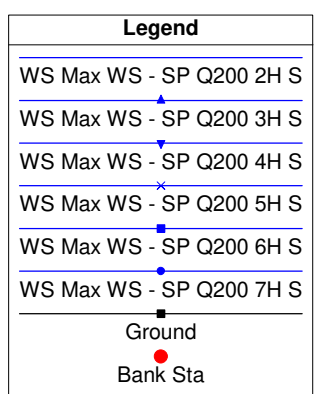
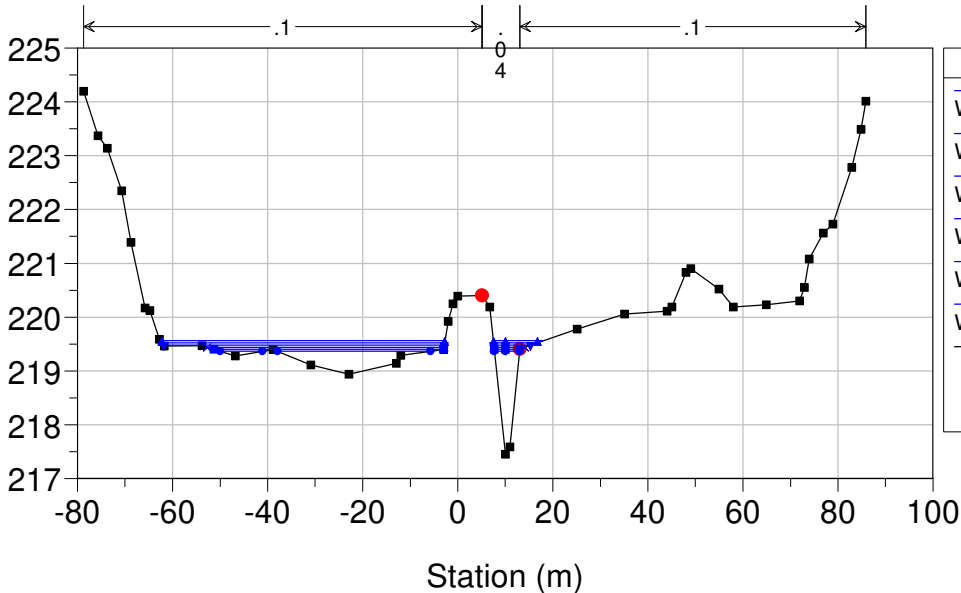
Elevation (m)



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 42

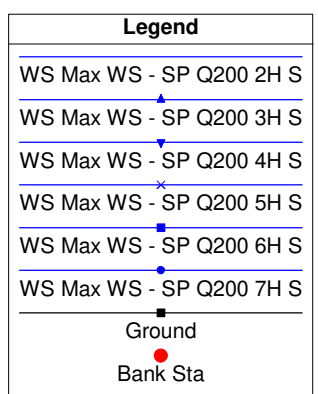
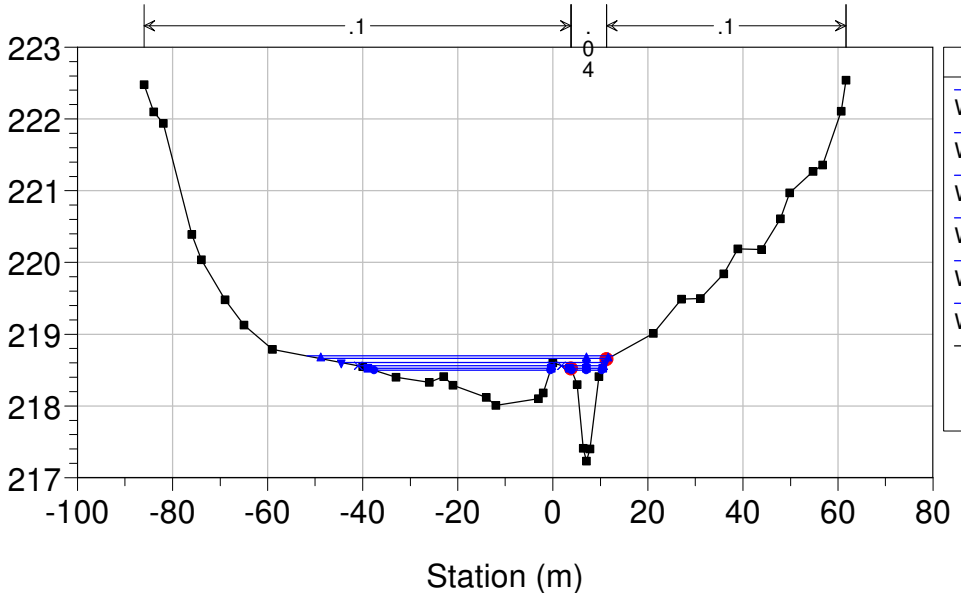
Elevation (m)



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

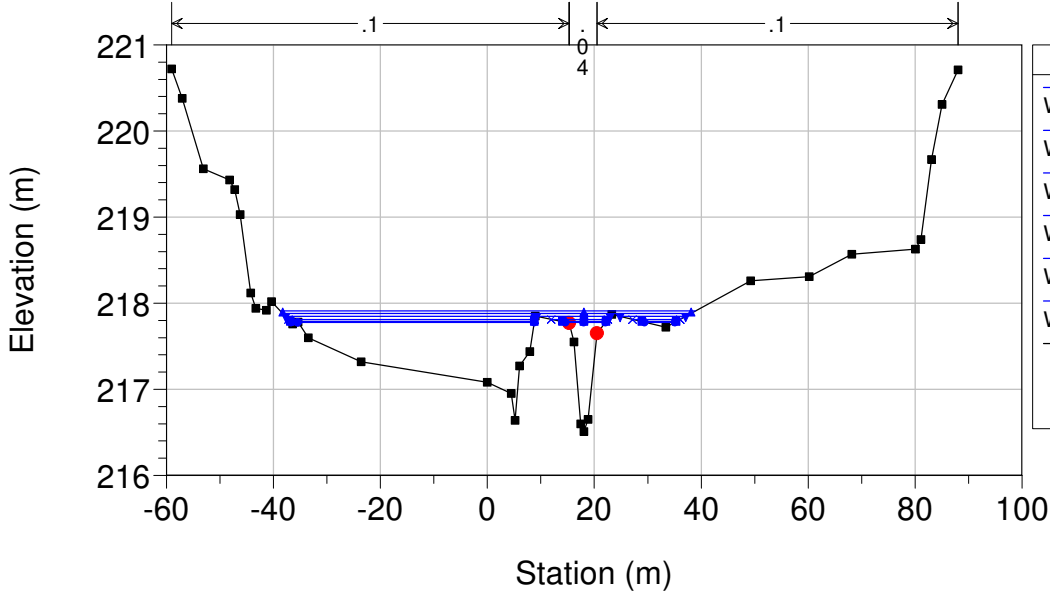
River = Fosso Serpenna Reach = Tratto 1 RS = 41

Elevation (m)



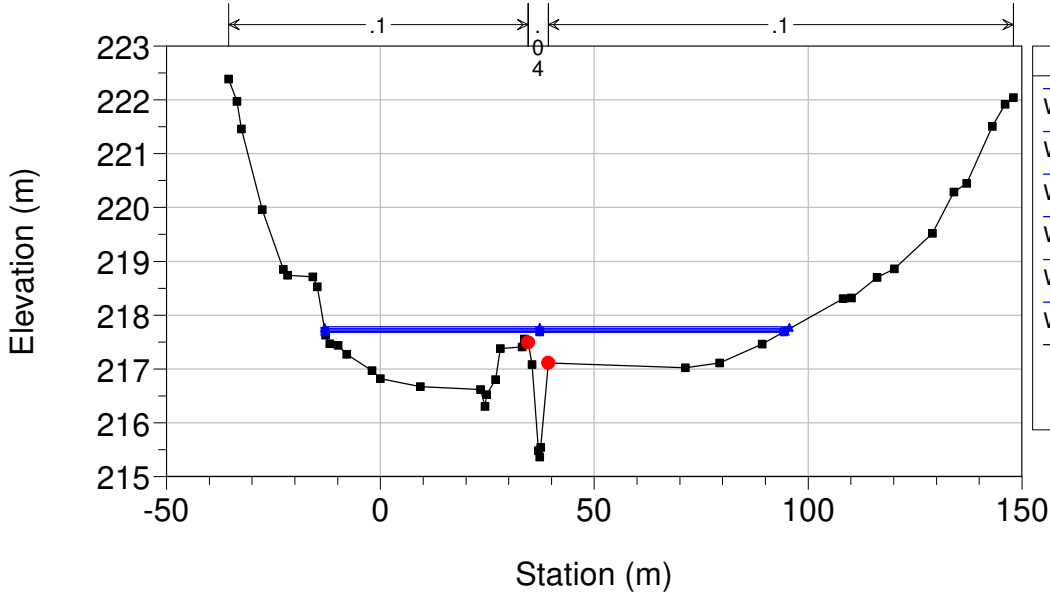
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 40



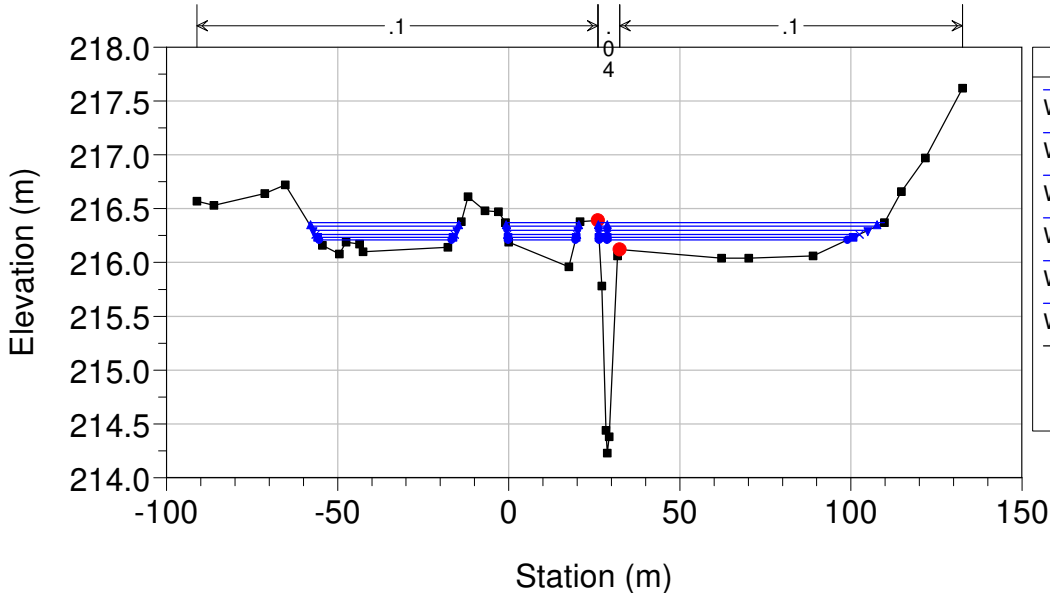
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 39



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

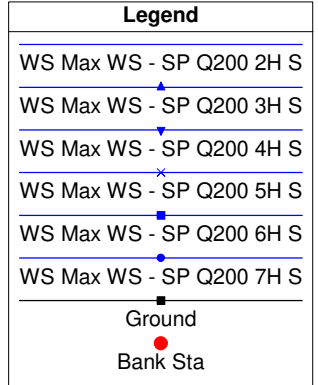
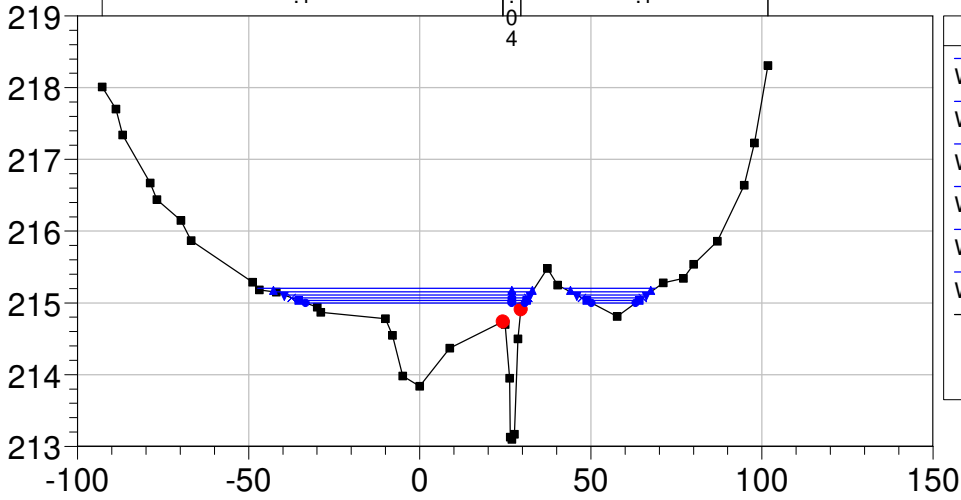
River = Fosso Serpenna Reach = Tratto 1 RS = 38



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 37

Elevation (m)

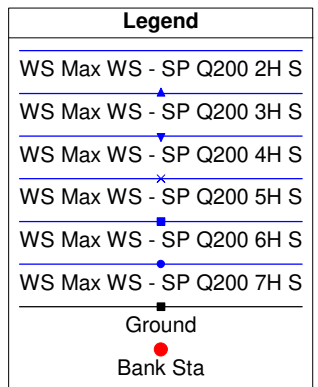
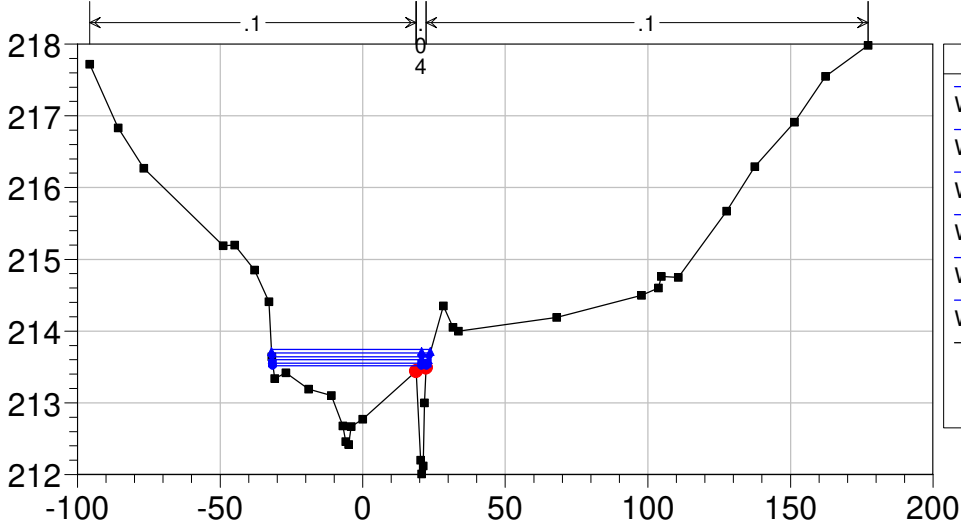


Station (m)

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 36

Elevation (m)

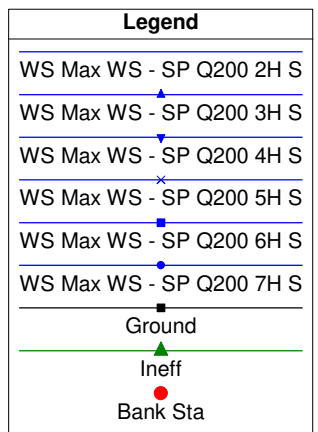
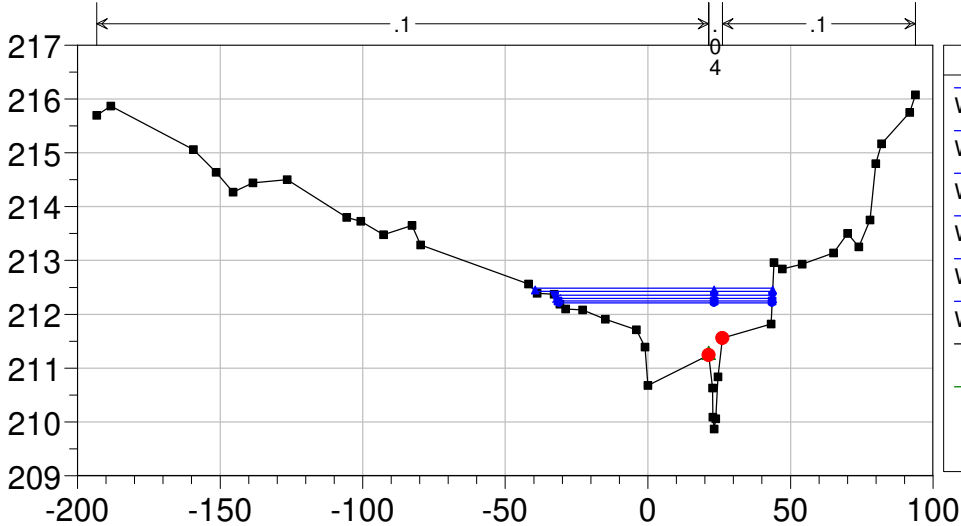


Station (m)

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 35

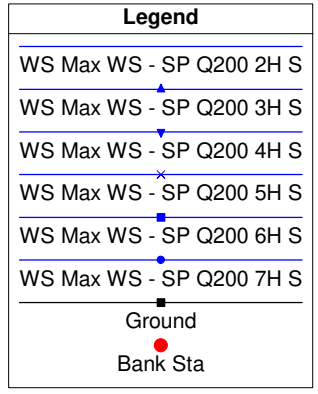
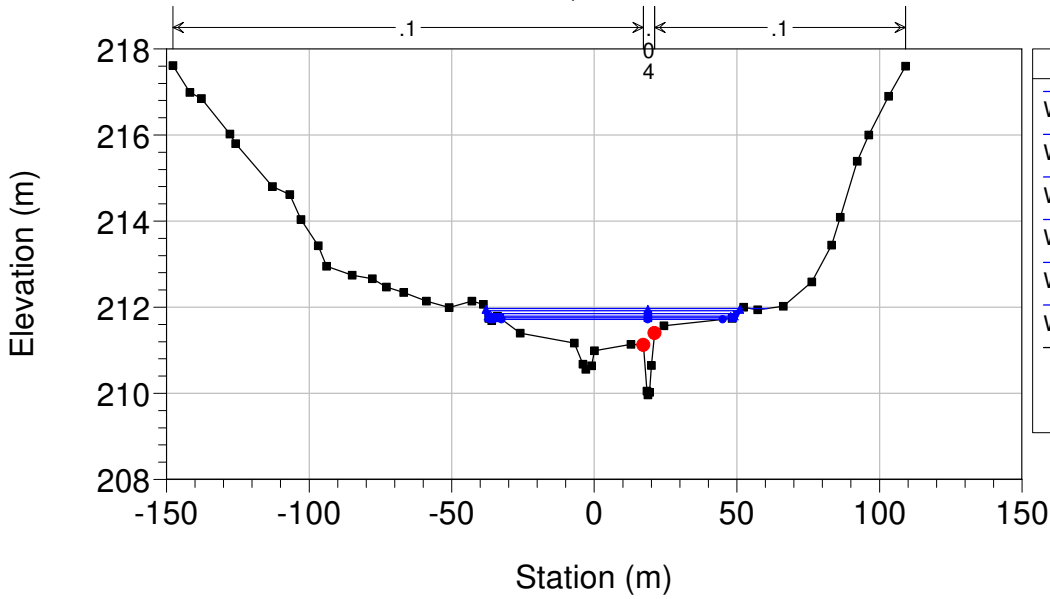
Elevation (m)



Station (m)

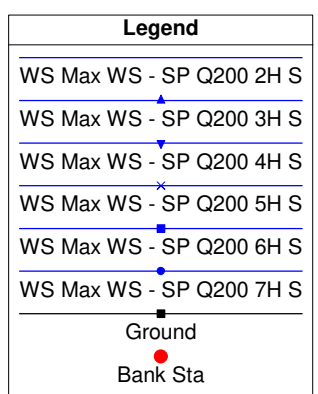
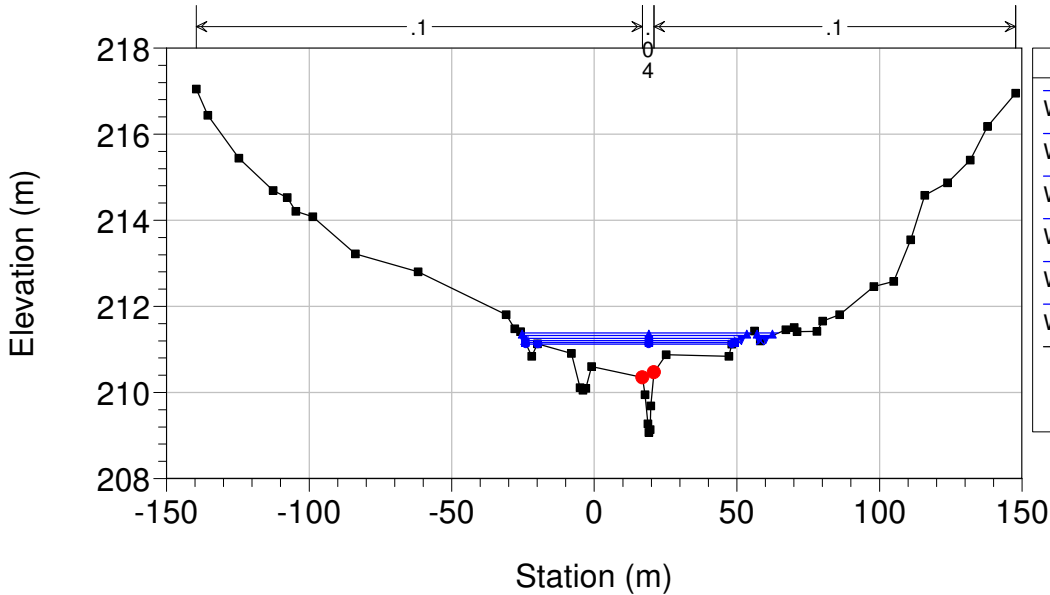
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 34



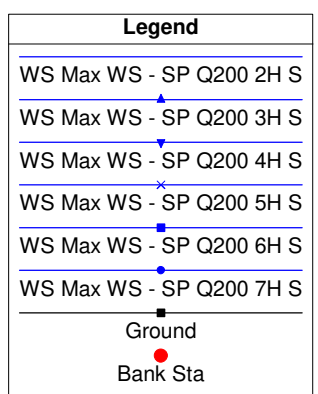
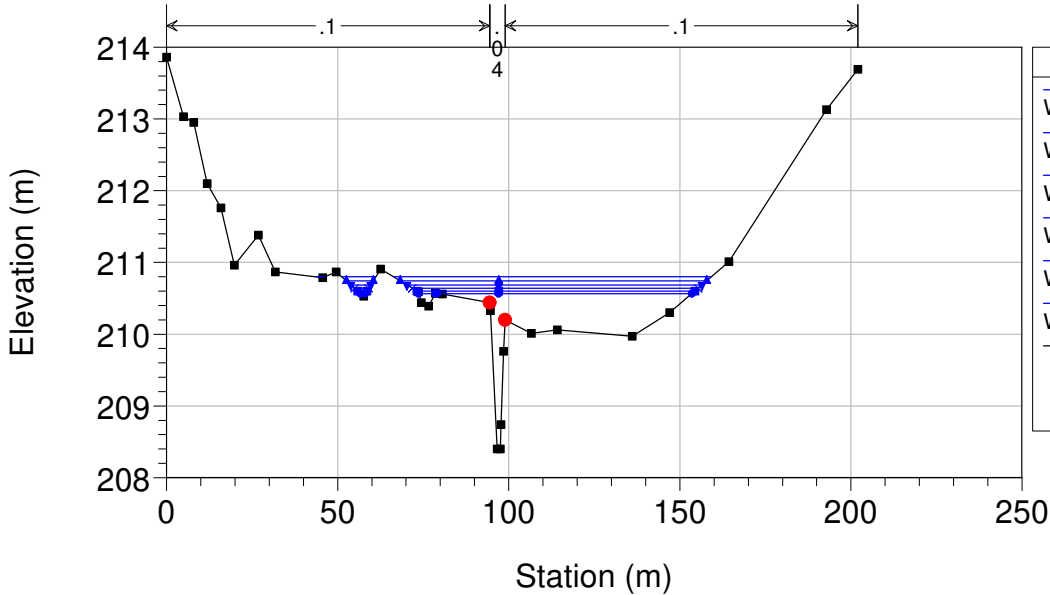
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 33



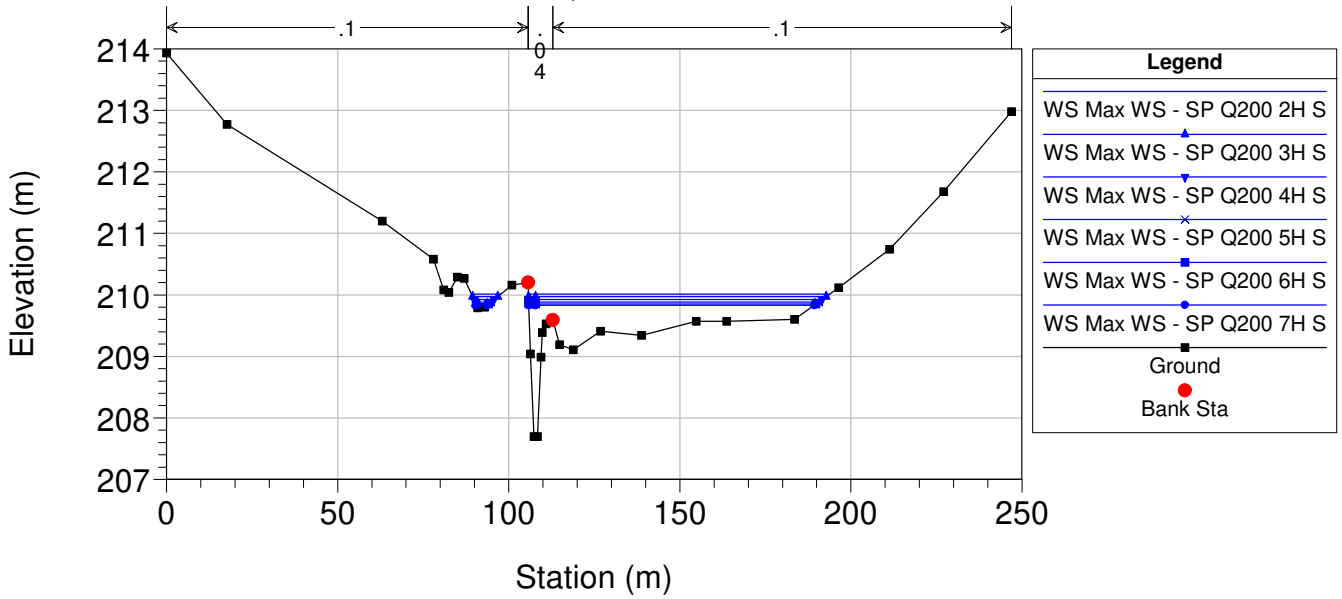
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 32



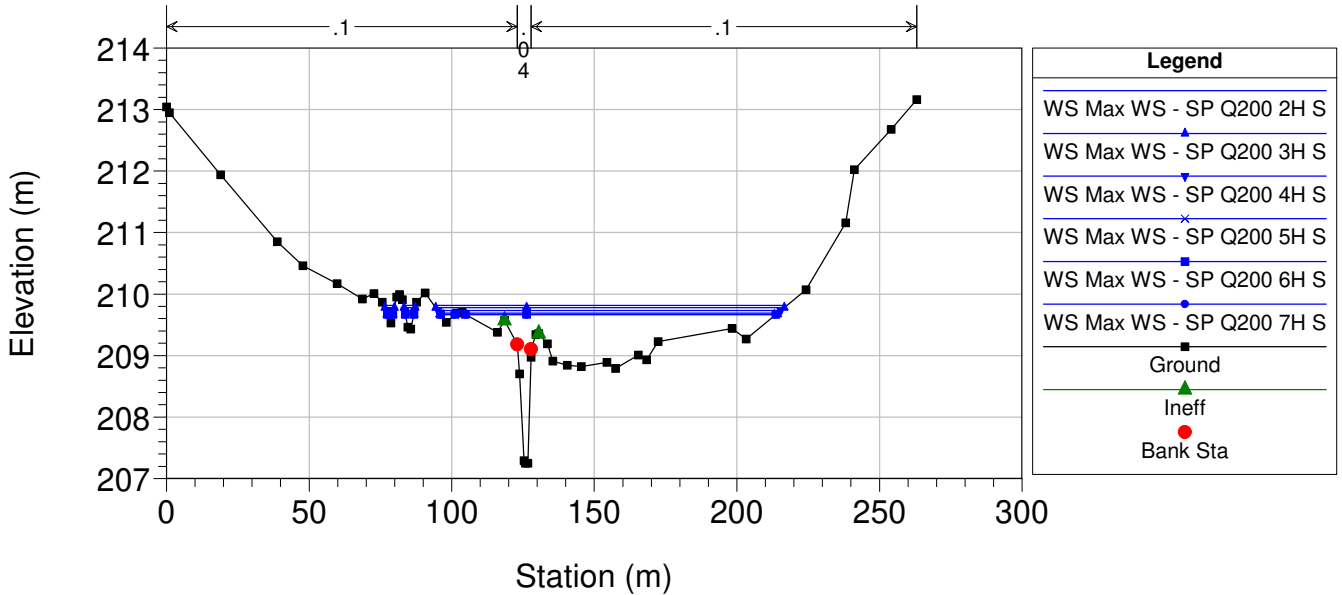
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 29



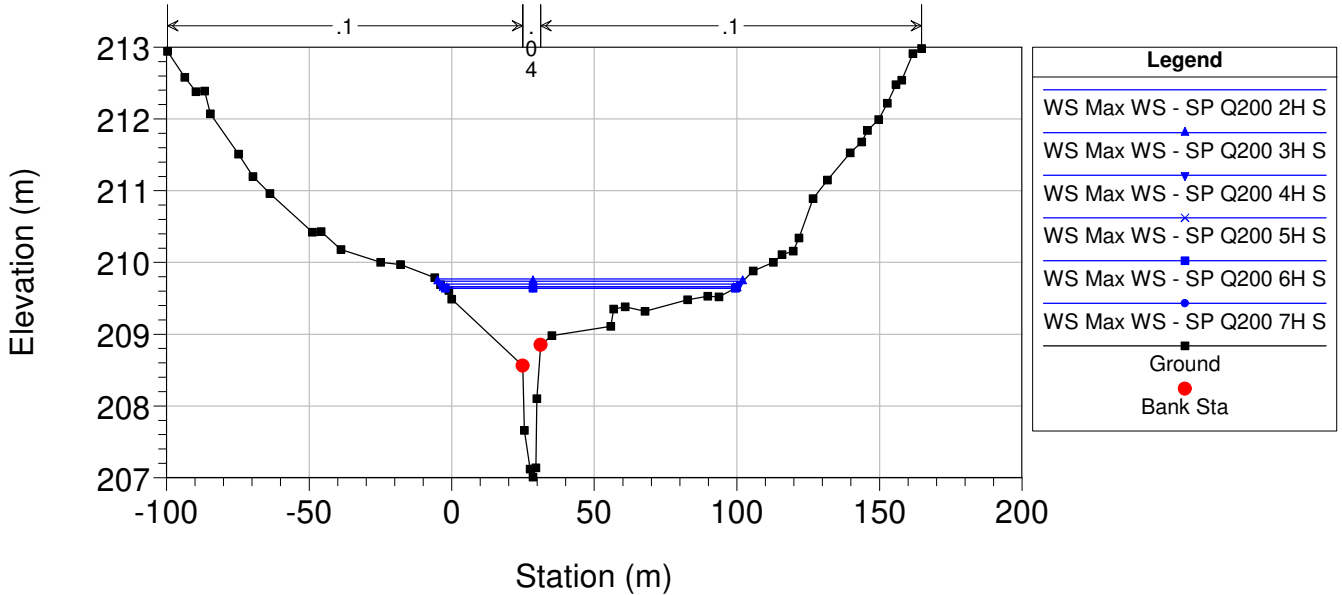
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 28



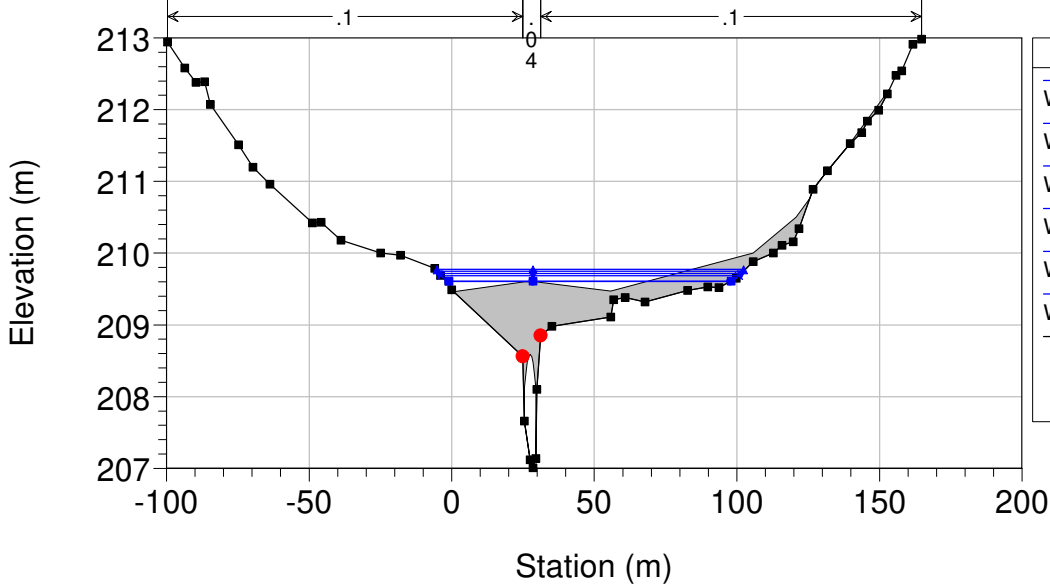
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 27



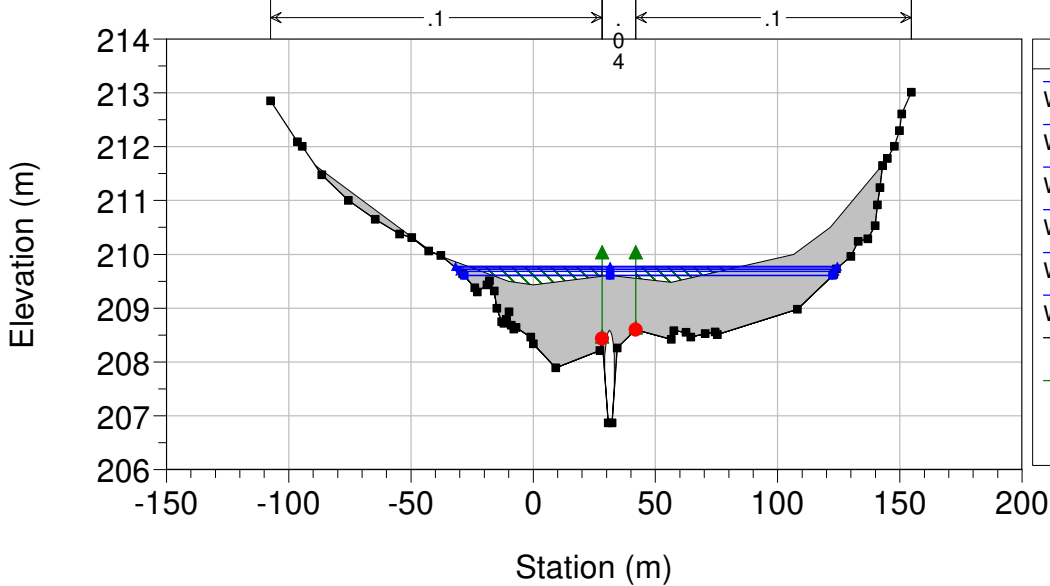
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 26.1 BR



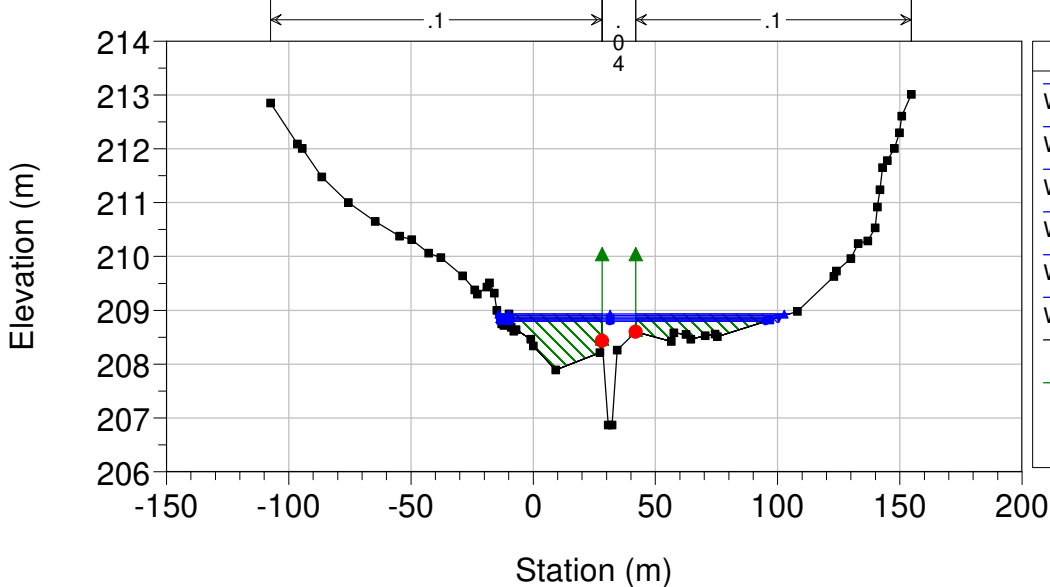
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 26.1 BR



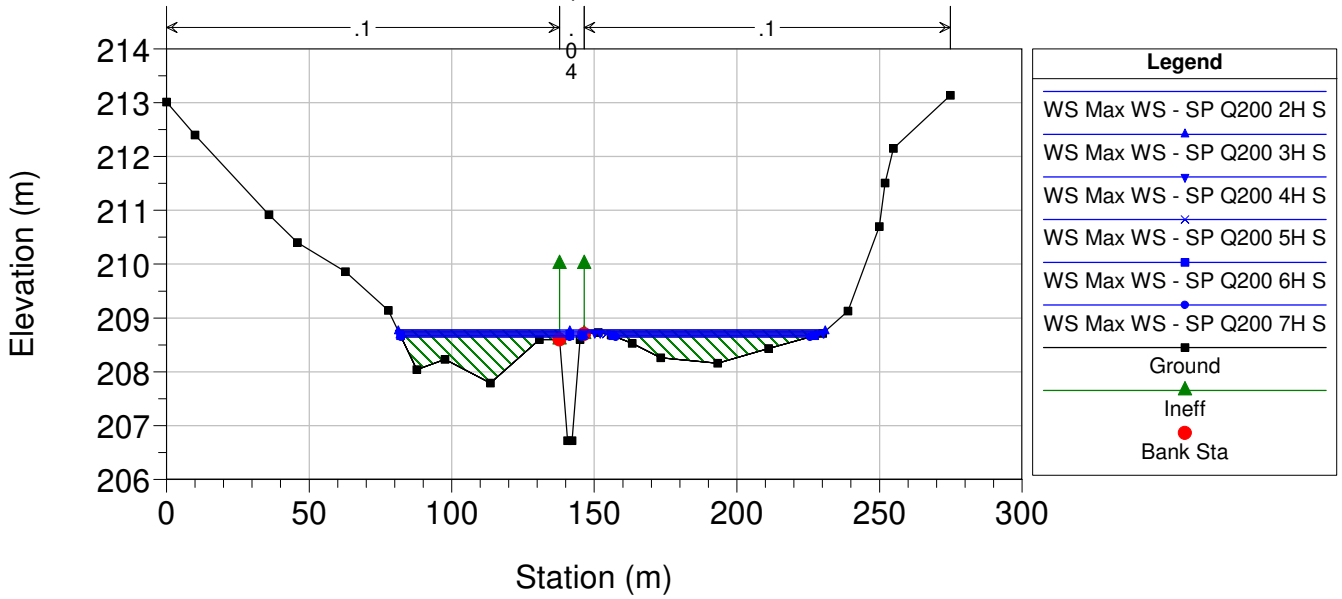
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 25



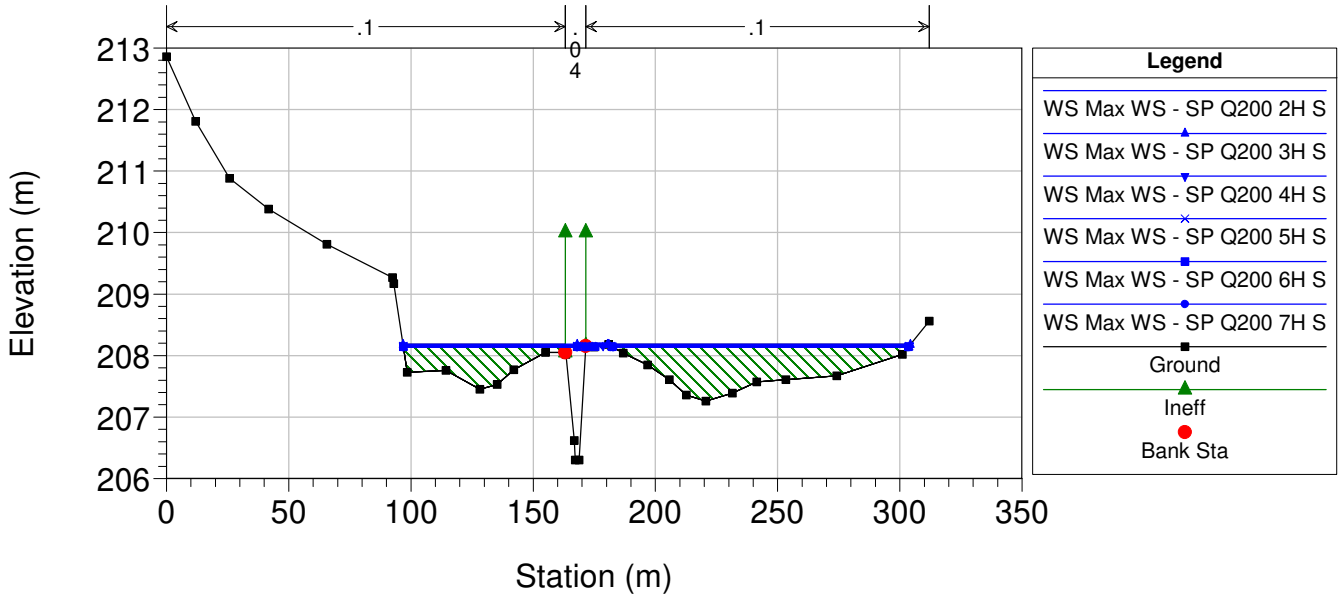
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 24



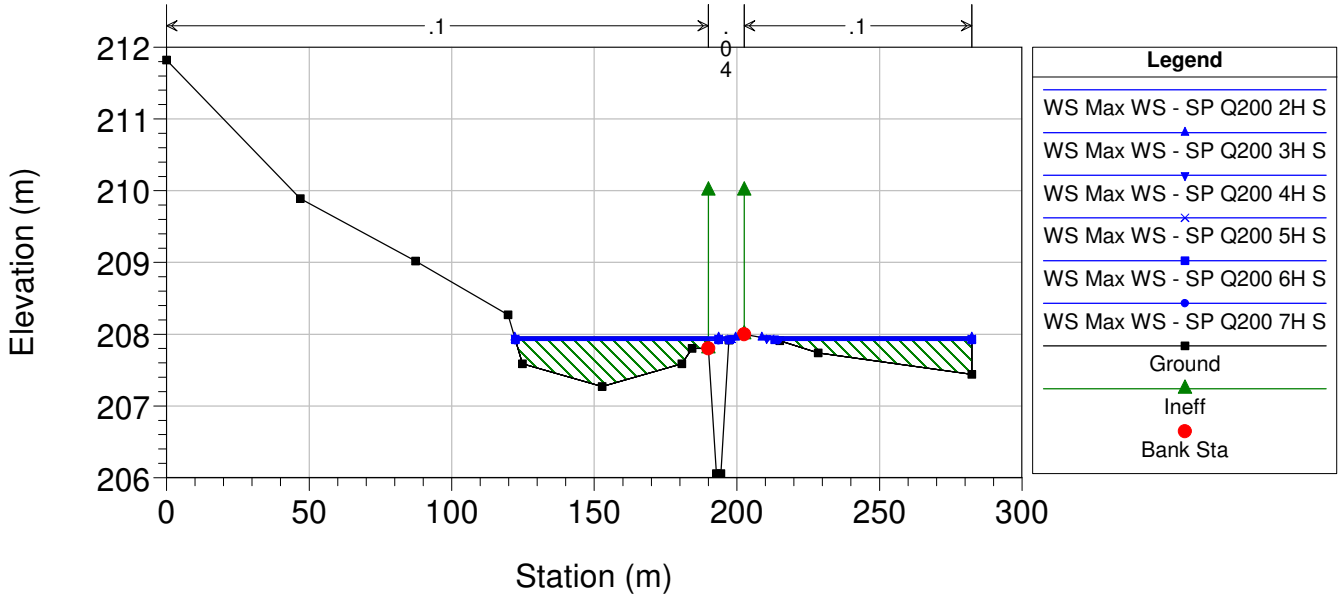
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 22



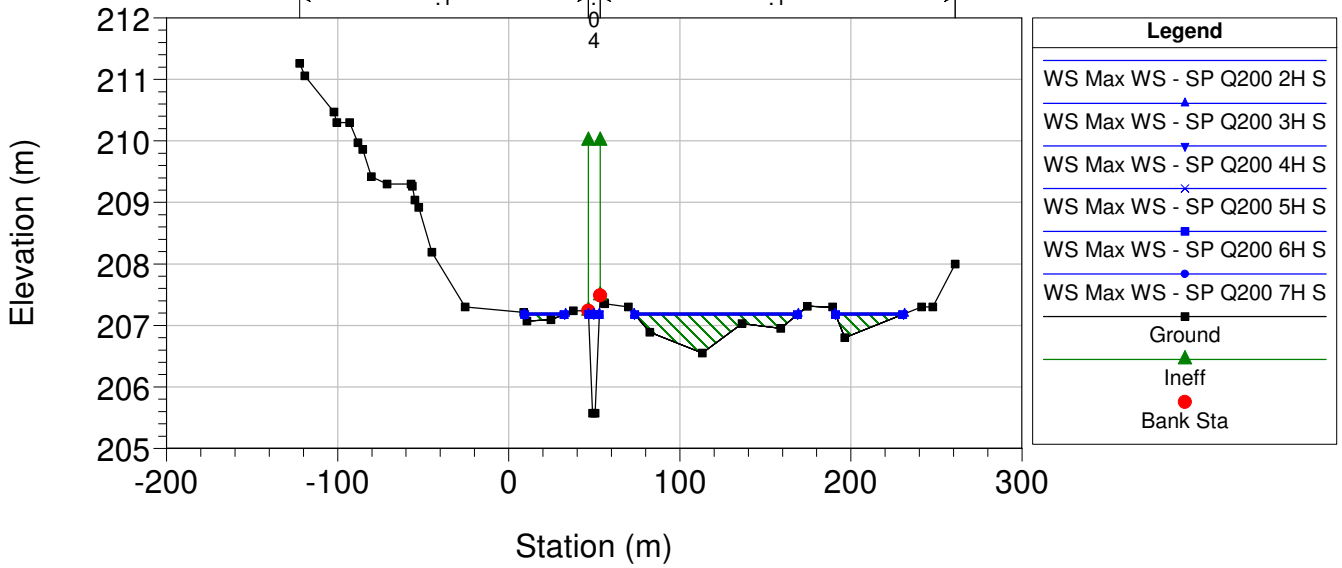
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 21



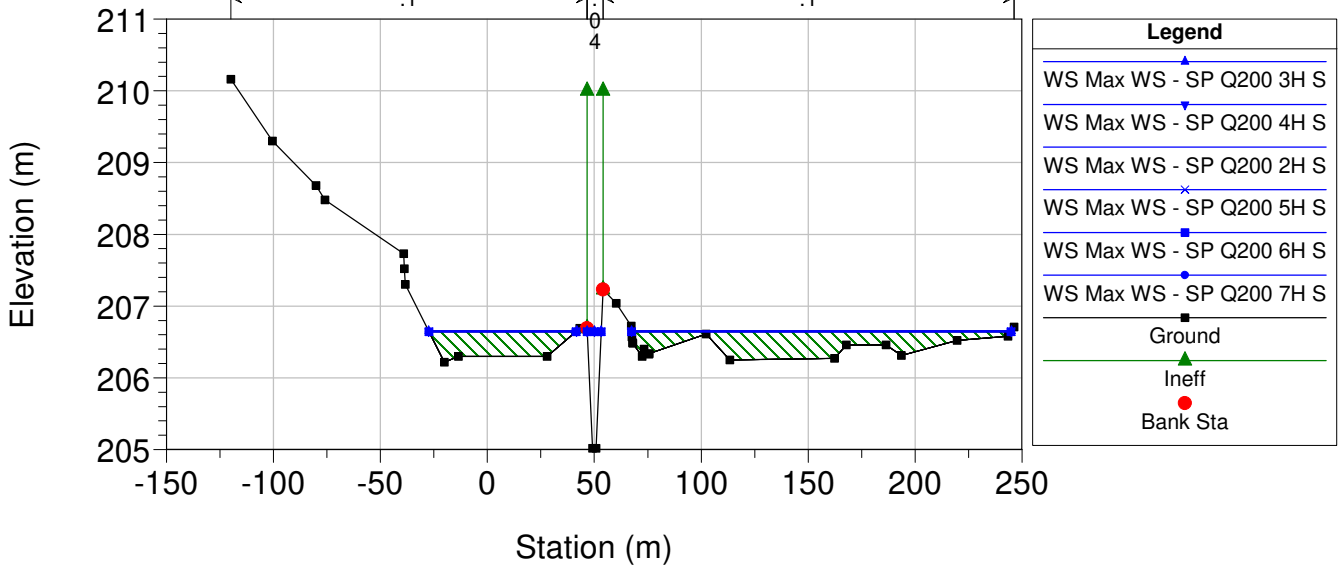
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 19



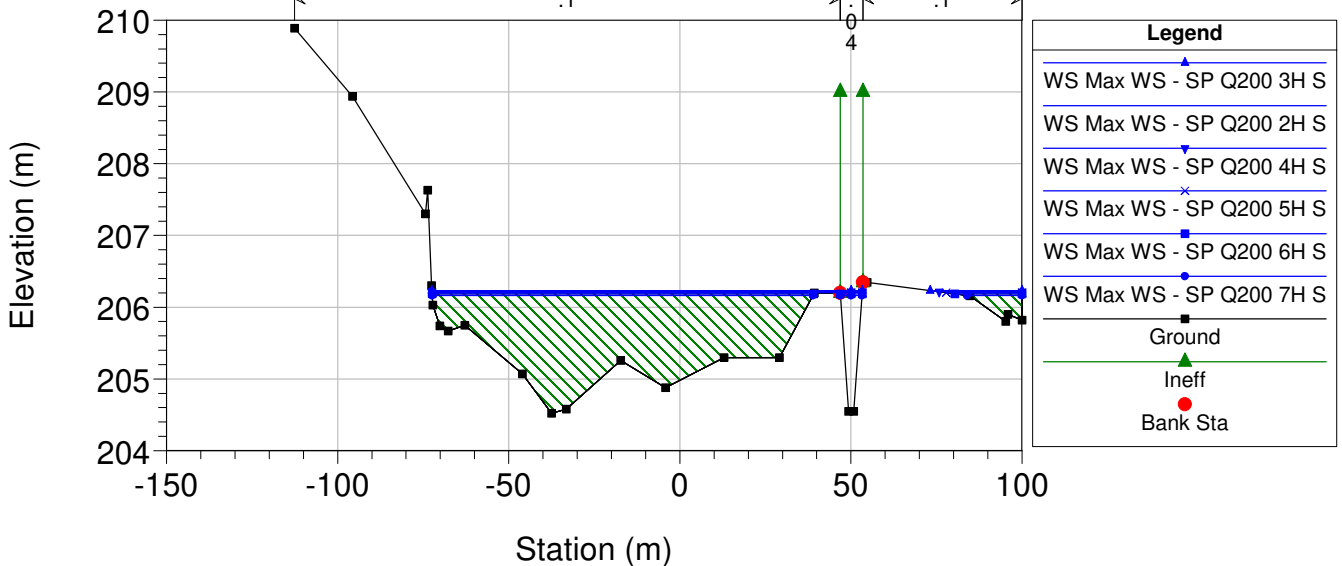
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 17



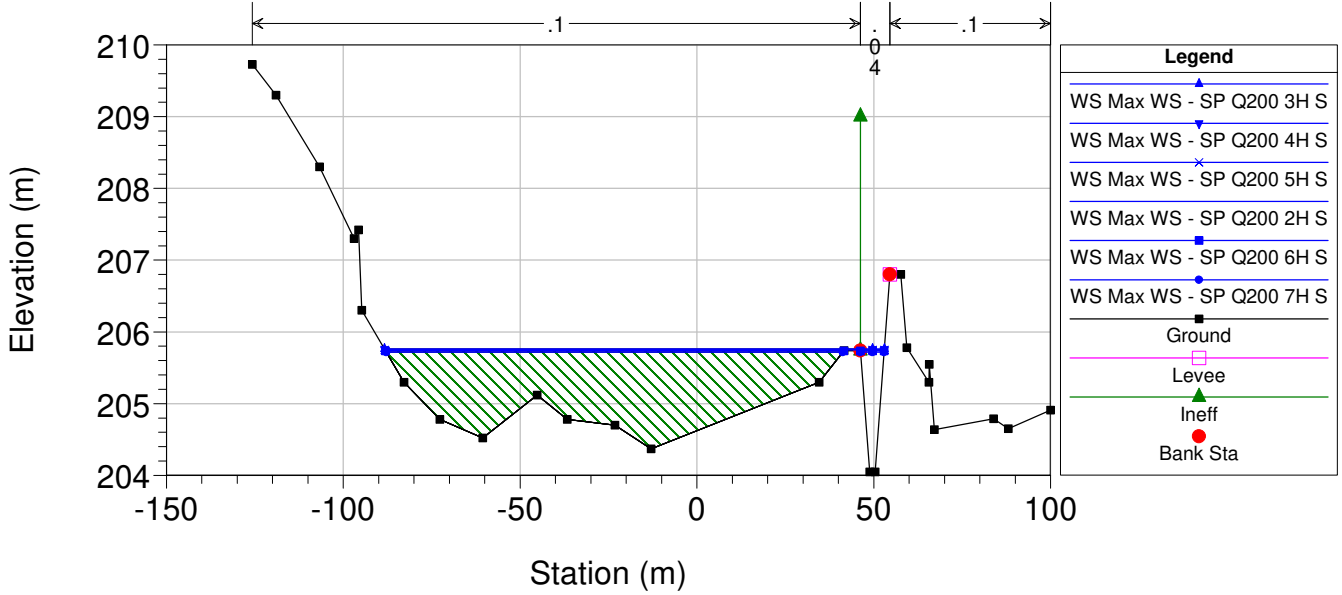
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 15



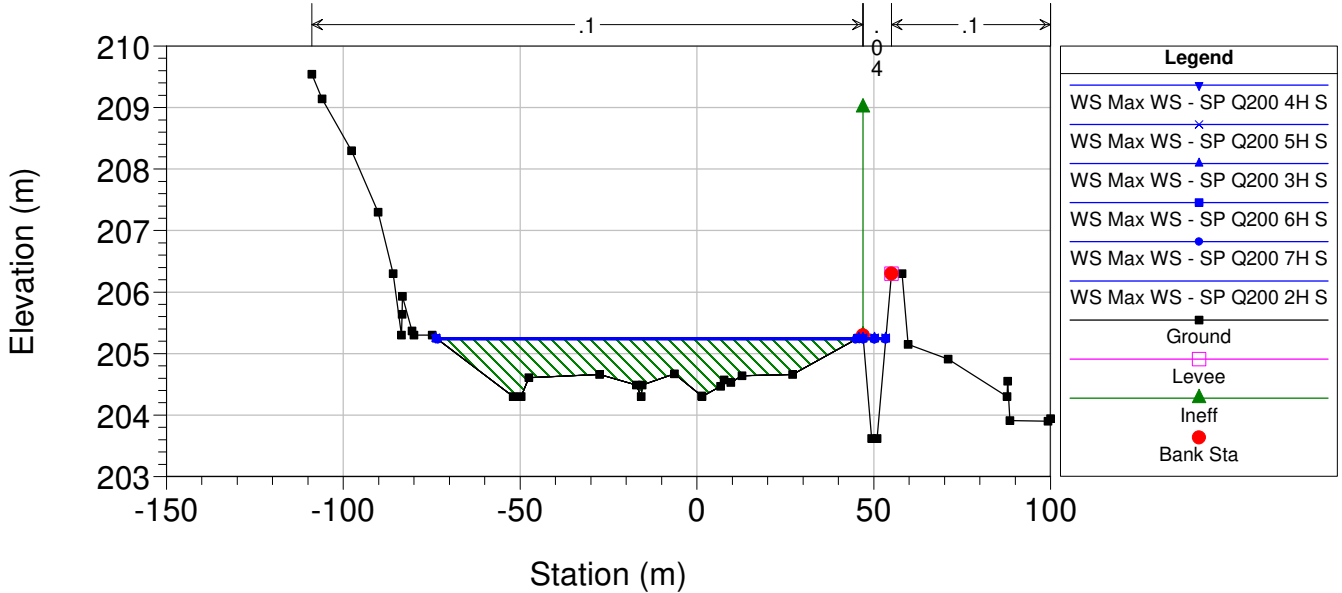
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 14



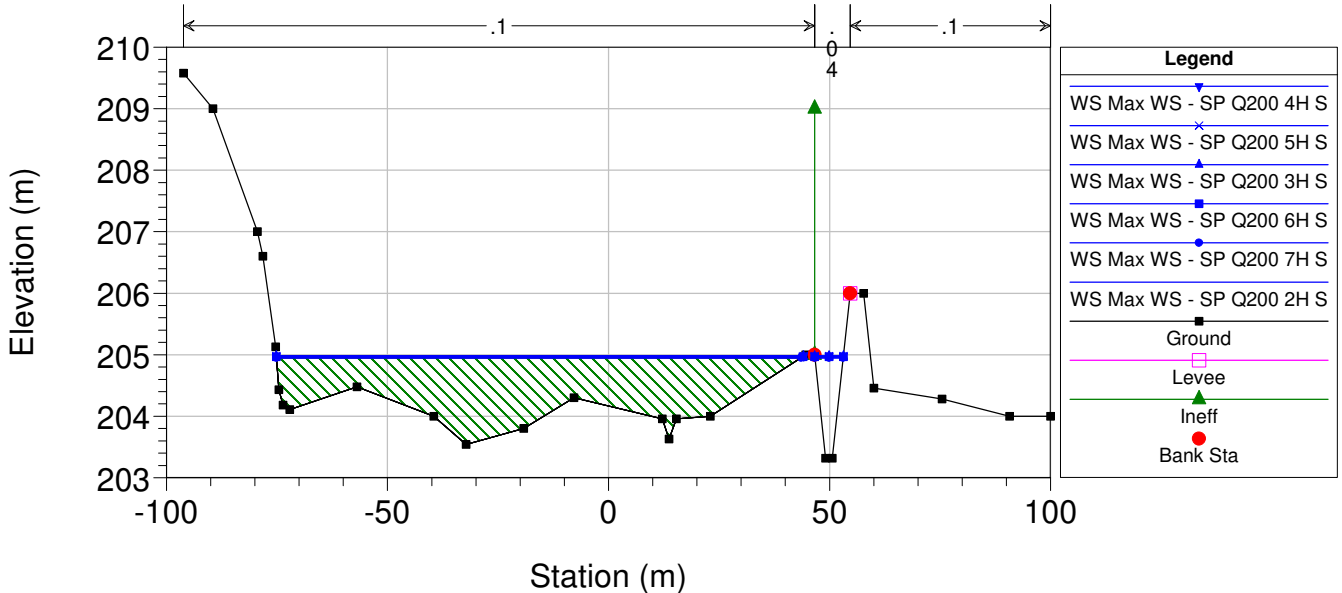
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 12



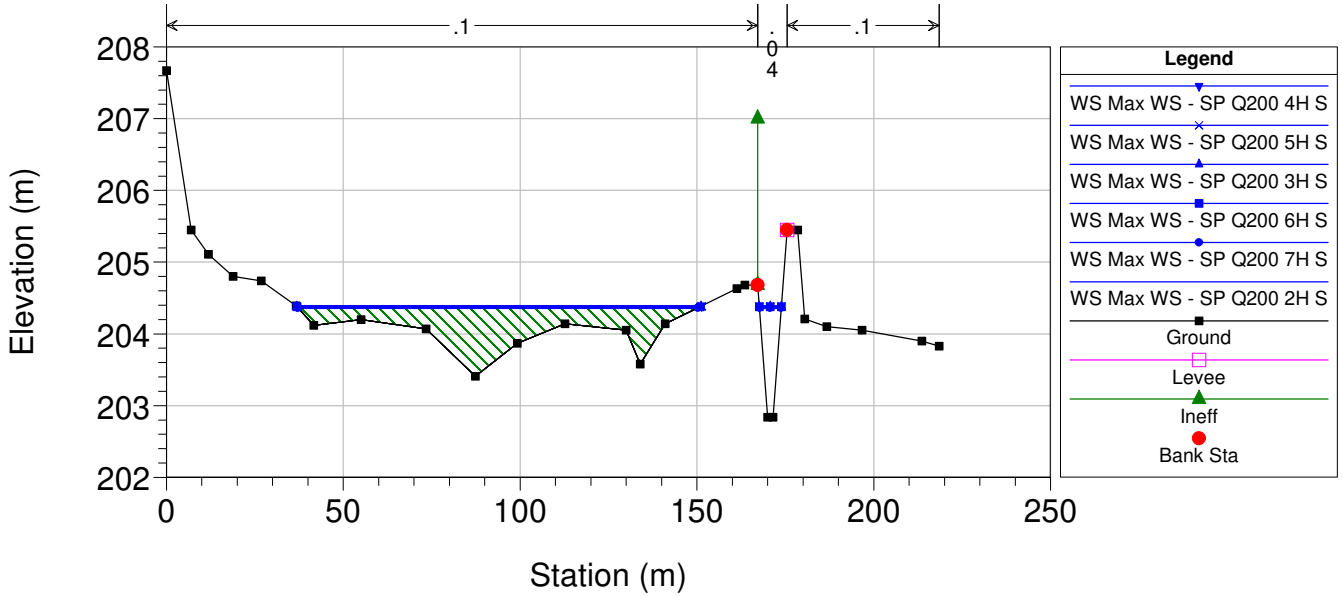
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 11



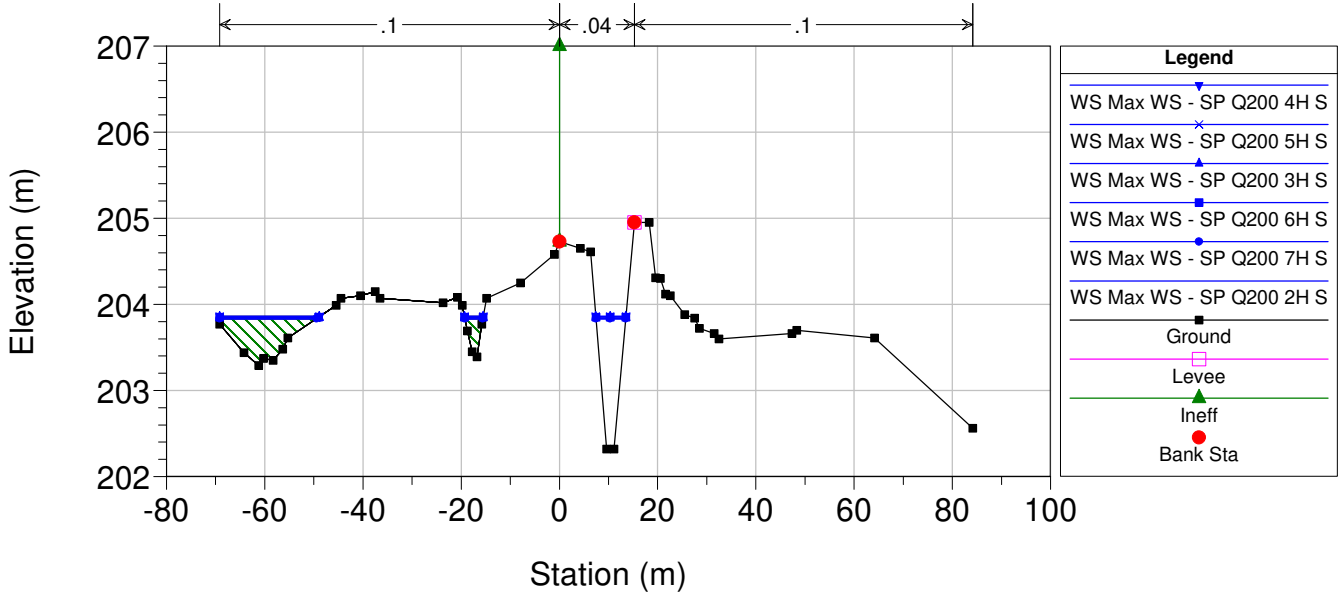
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 9



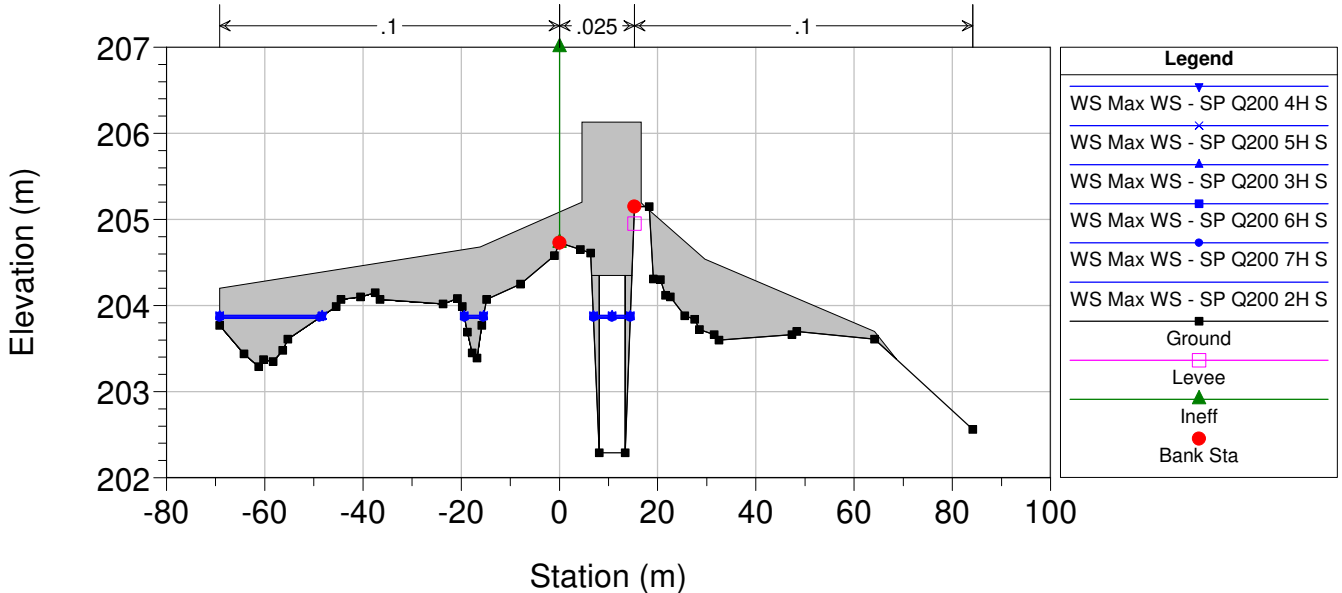
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 7



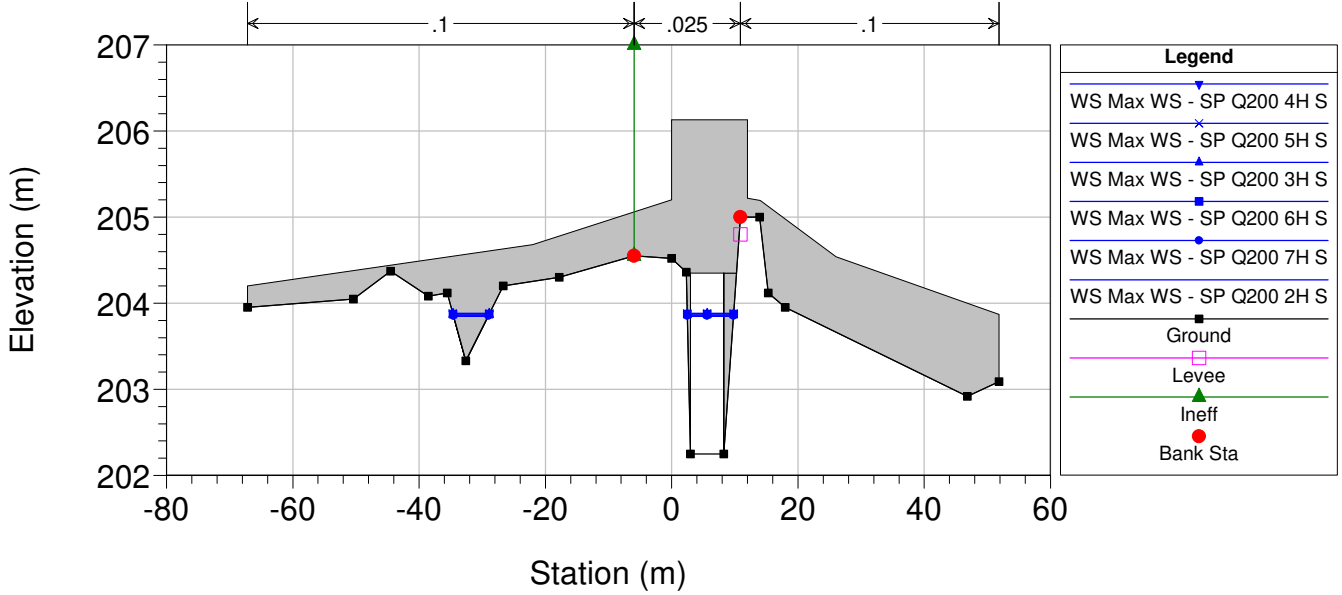
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 6.5 BR



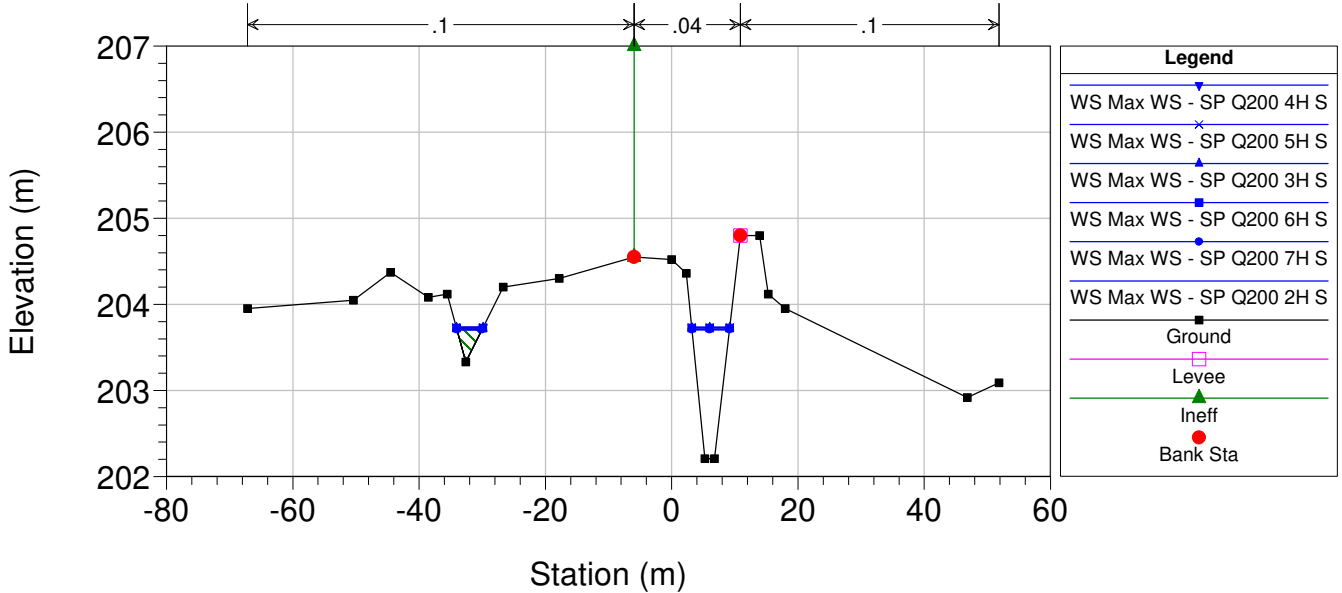
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 6.5 BR



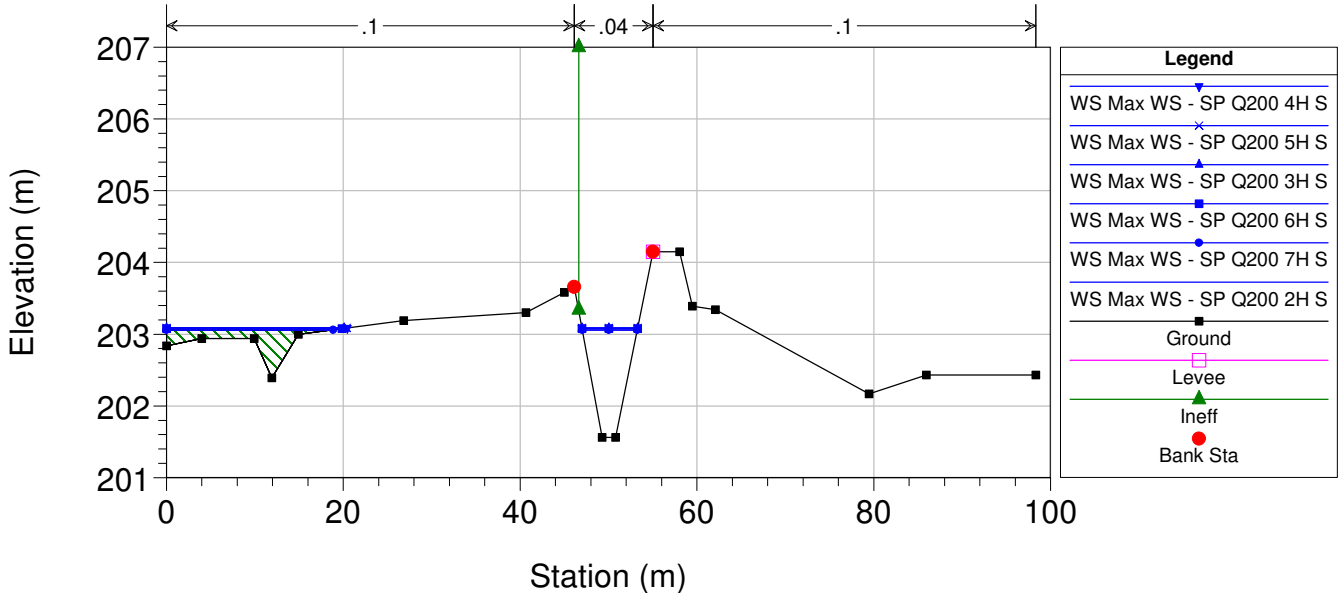
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 6.3



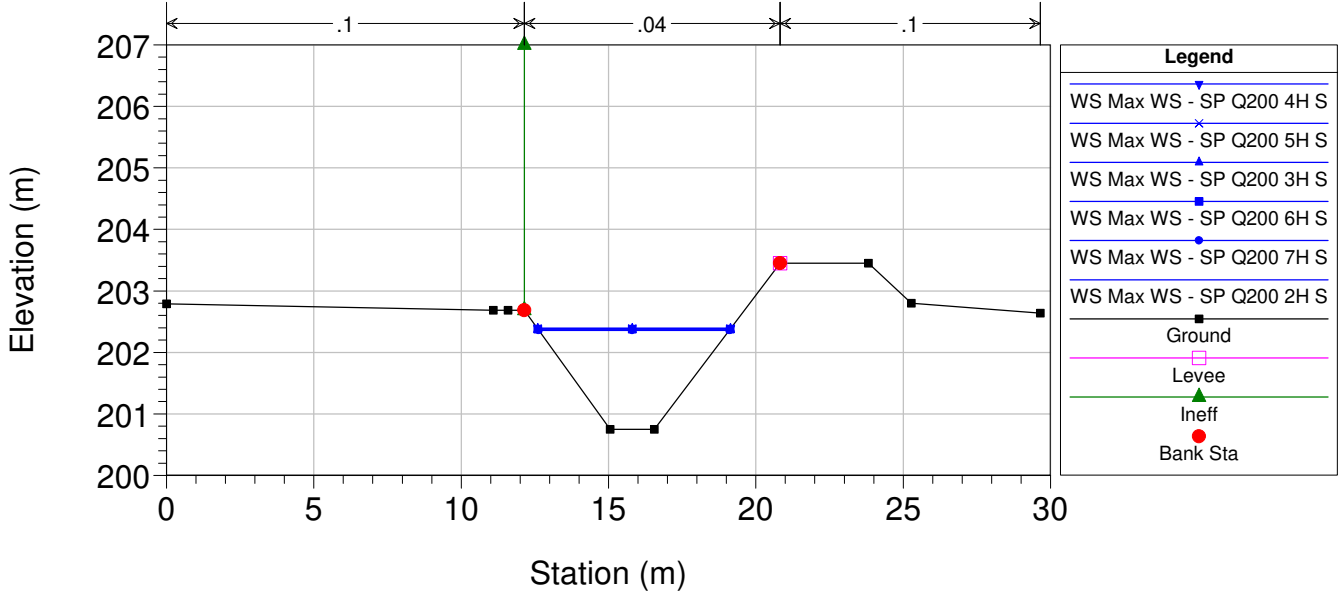
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 5



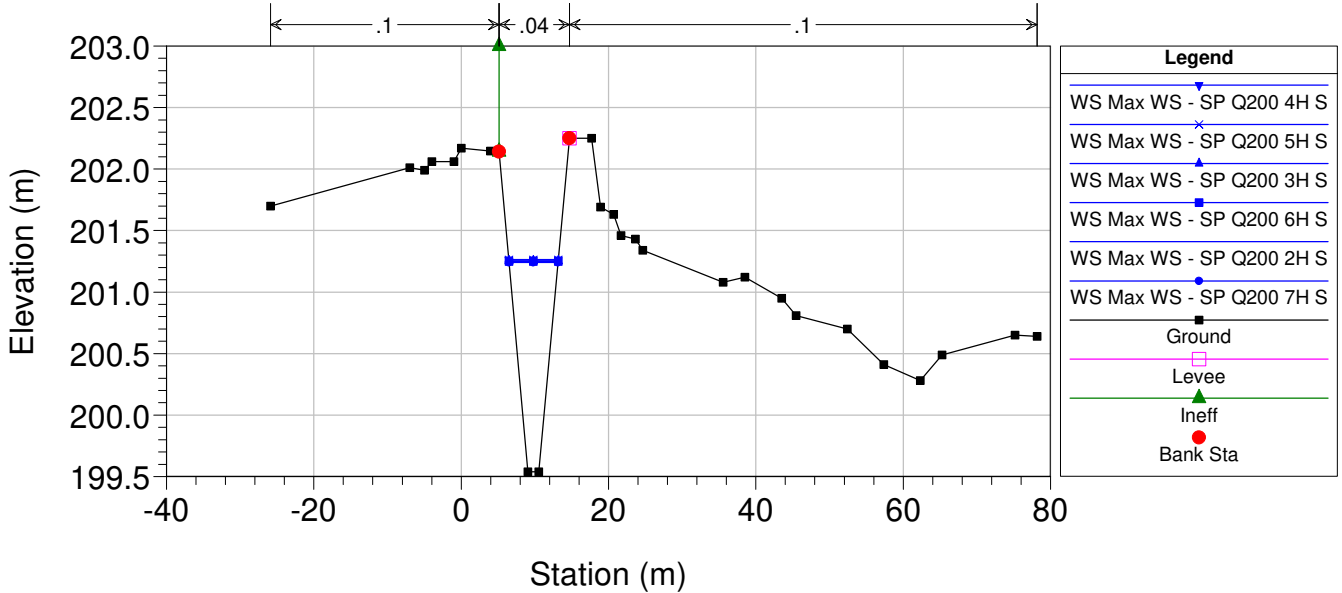
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.9



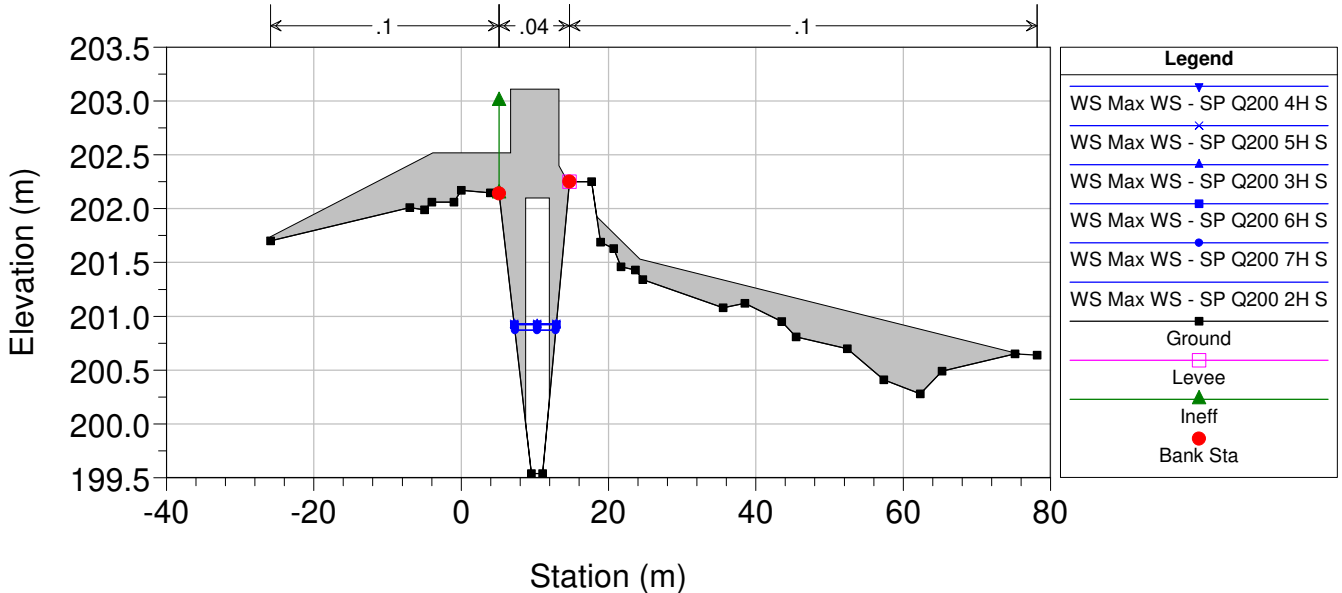
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.7



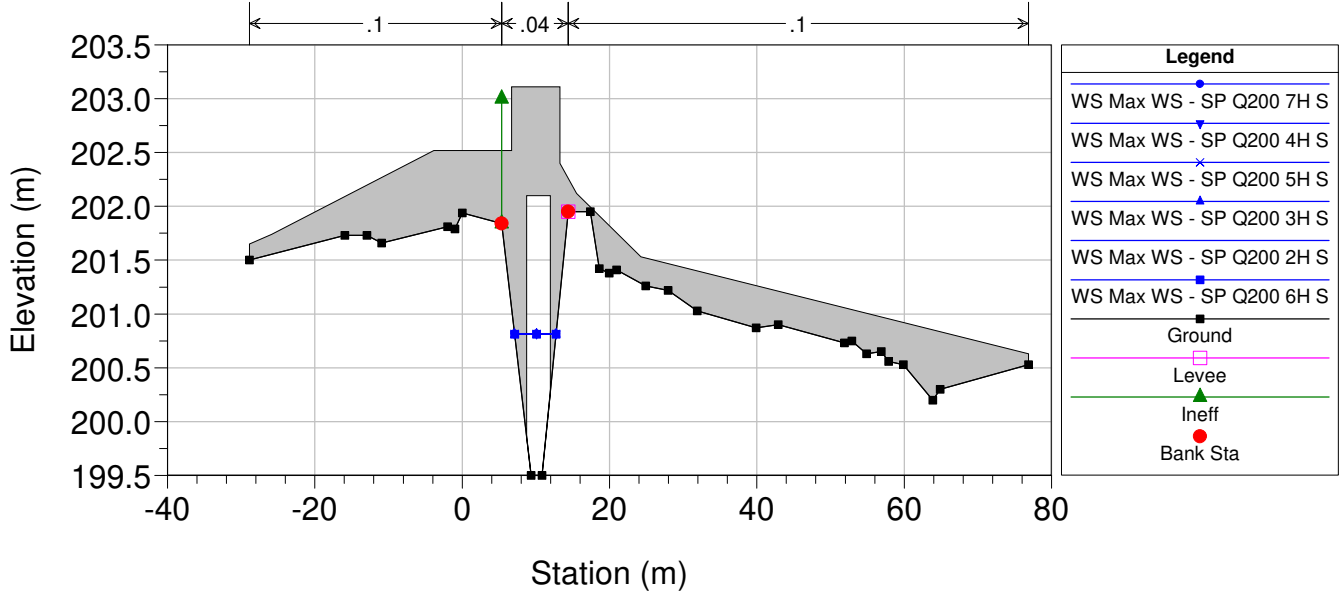
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.65 BR



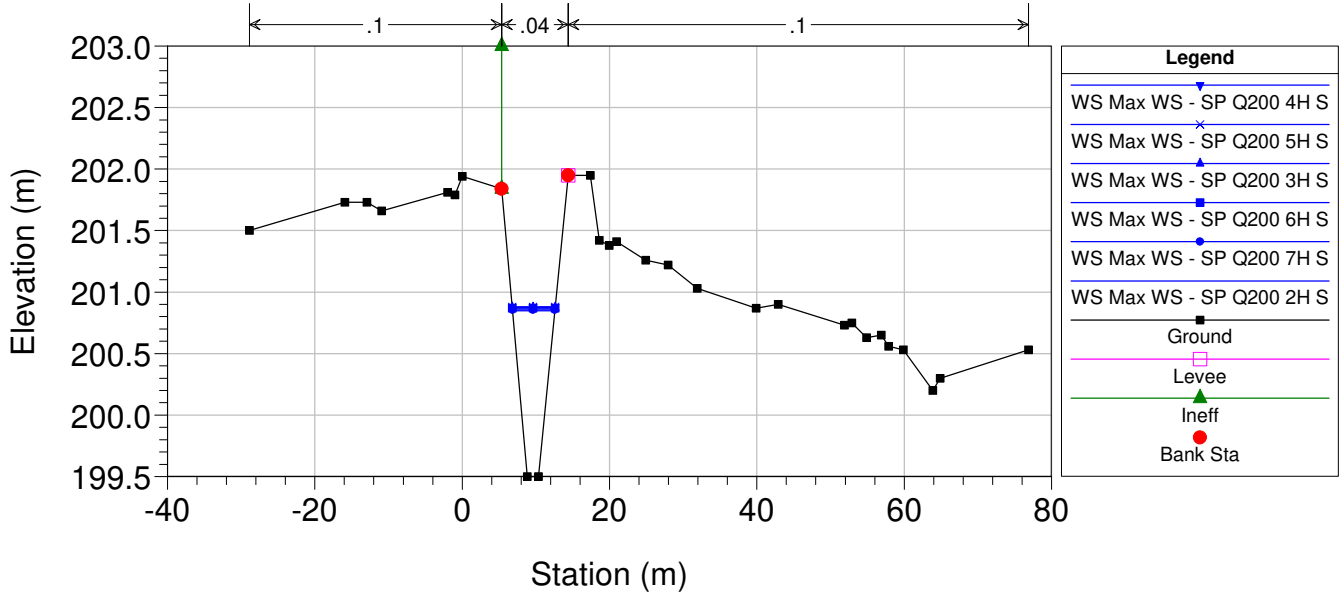
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.65 BR



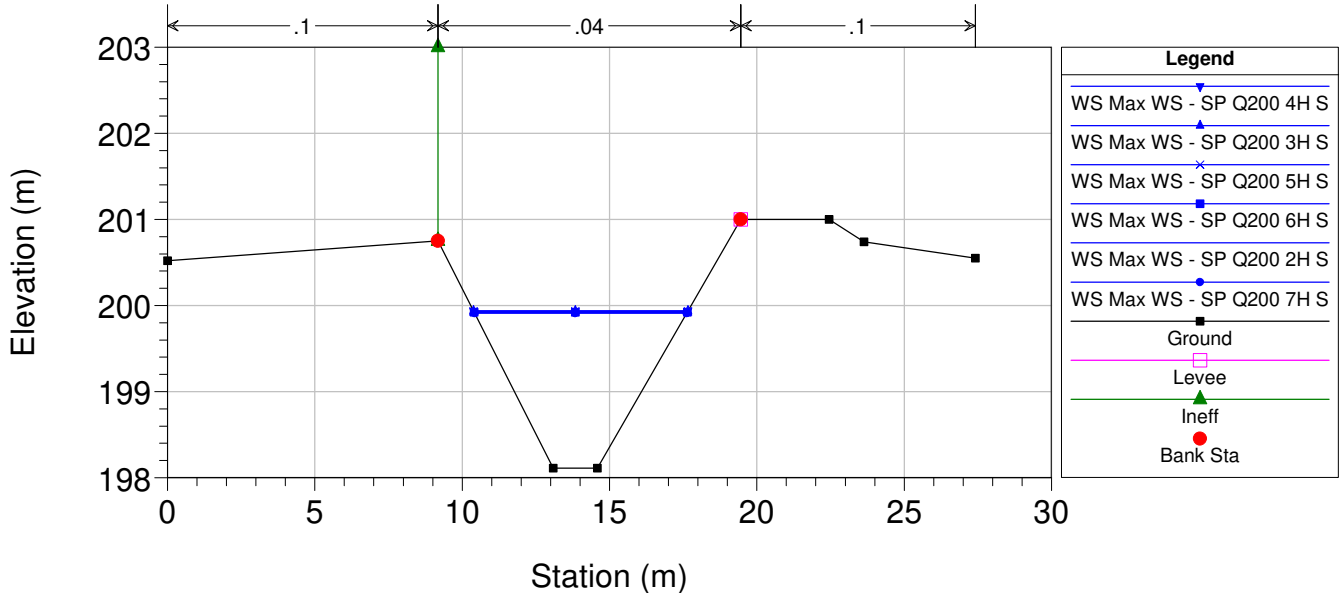
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.6



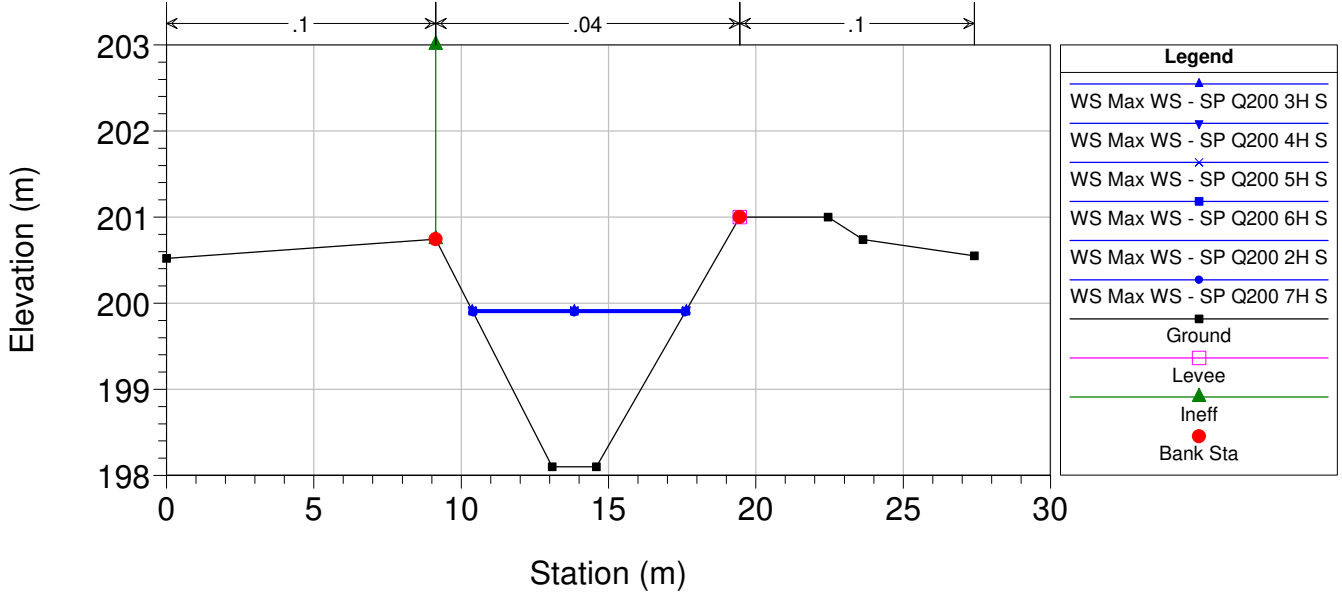
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.55



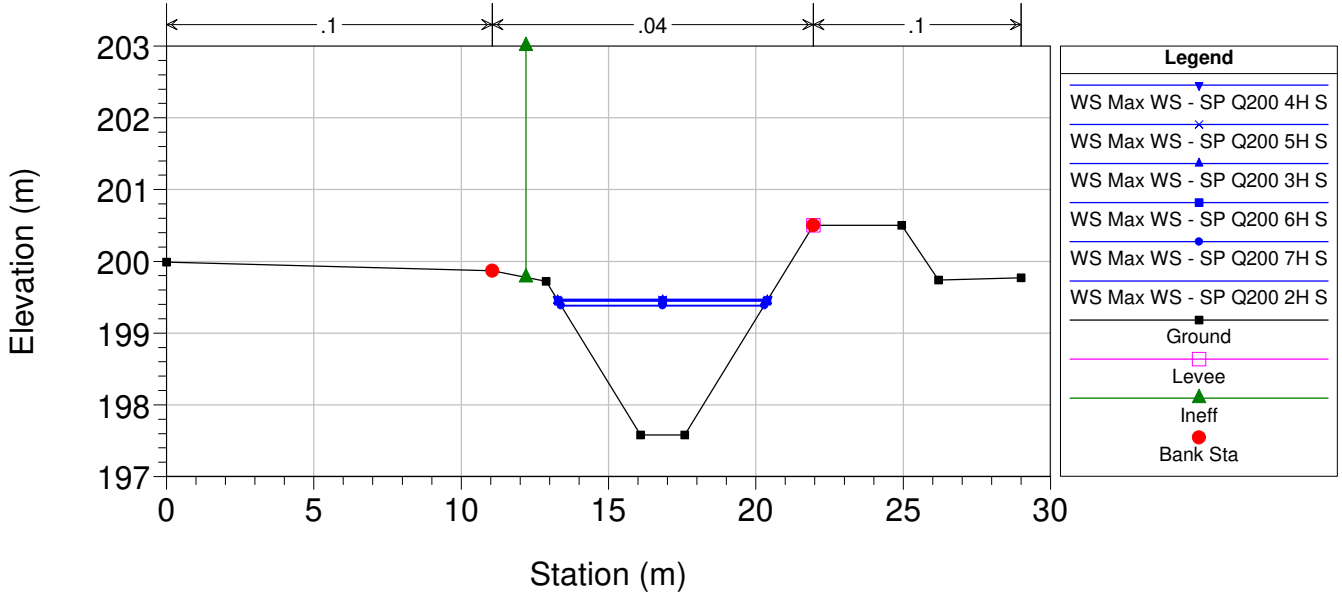
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.5



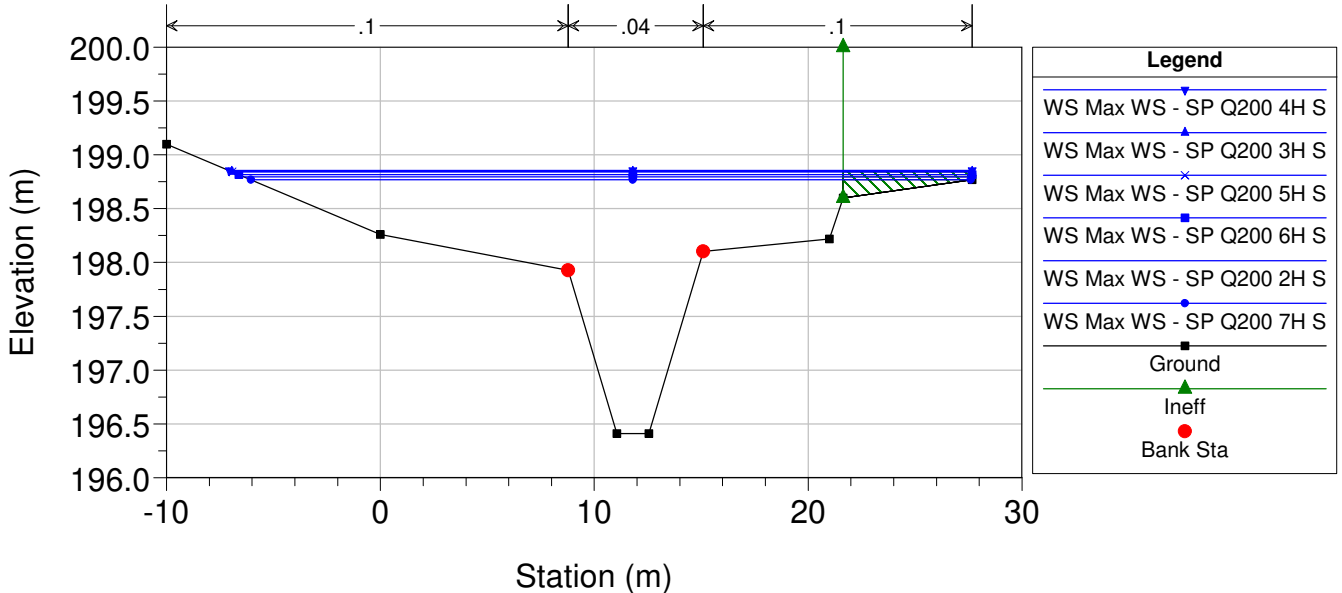
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.4



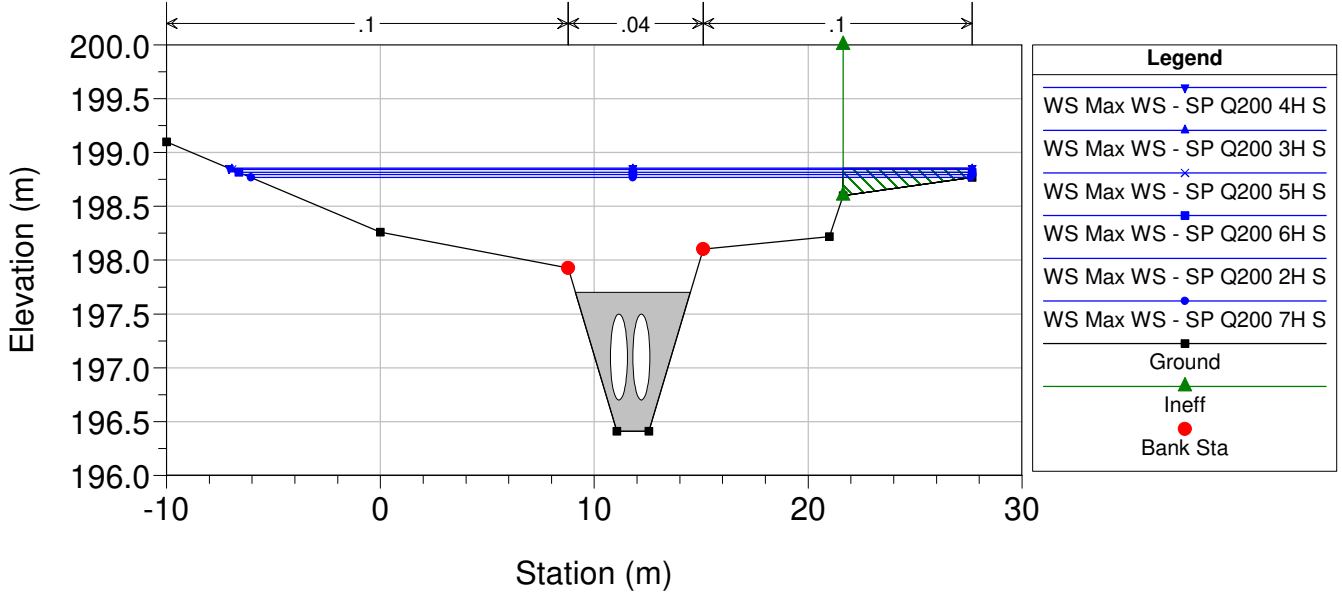
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.3



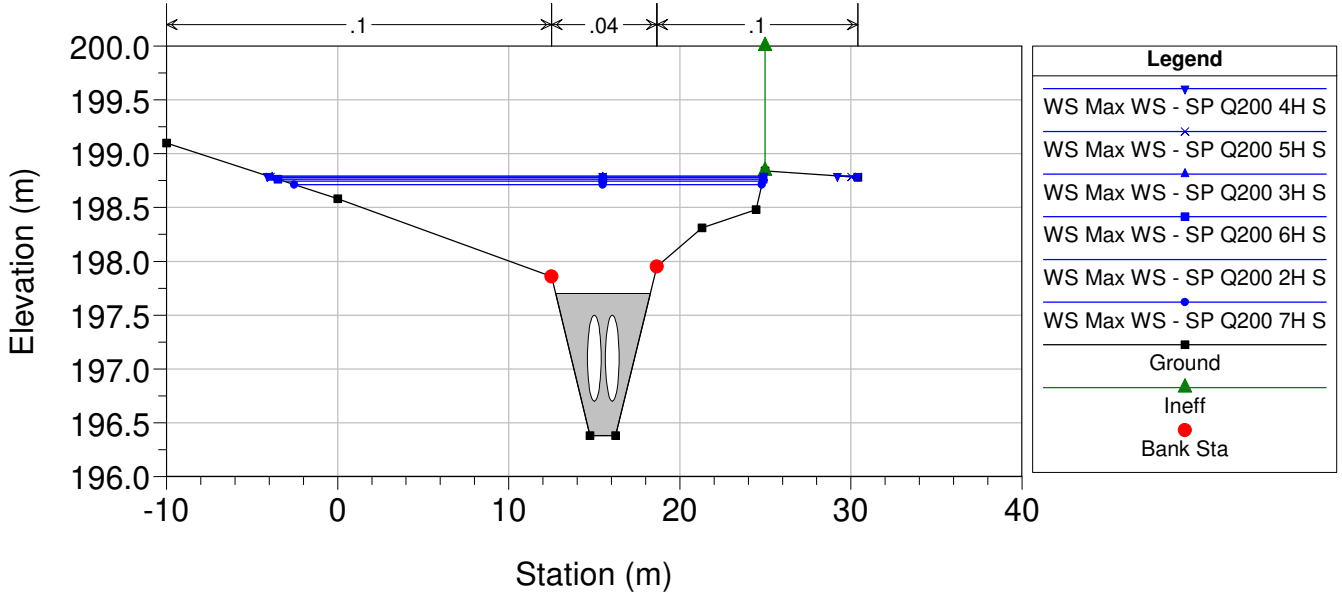
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.25 Culv



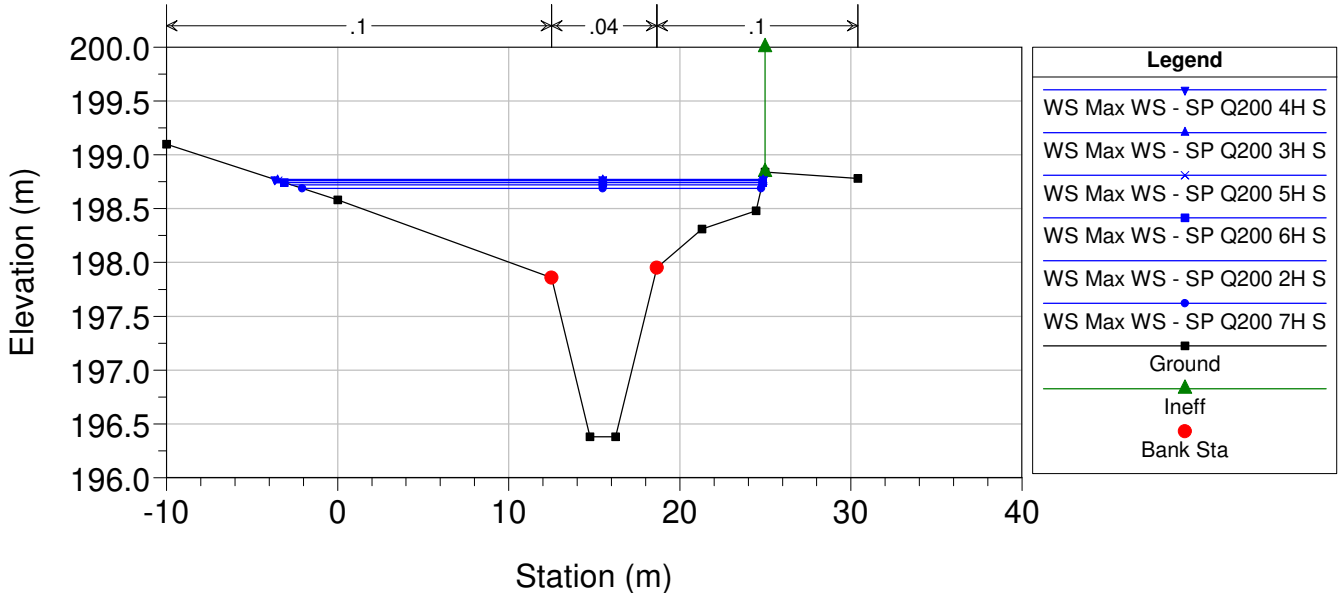
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.25 Culv



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

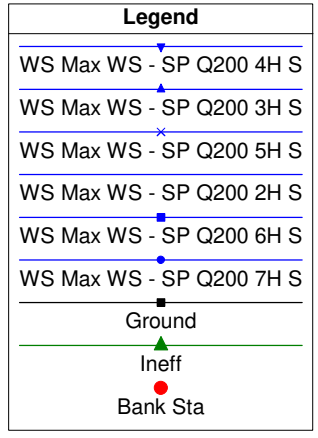
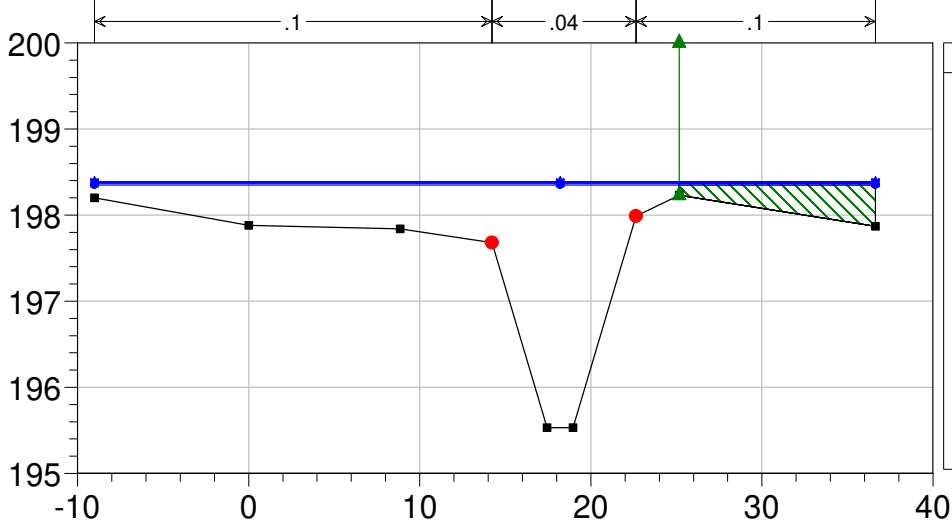
River = Fosso Serpenna Reach = Tratto 1 RS = 4.2



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.1

Elevation (m)

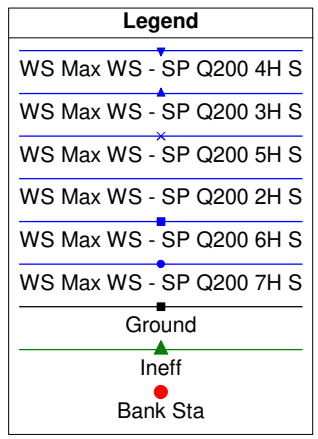
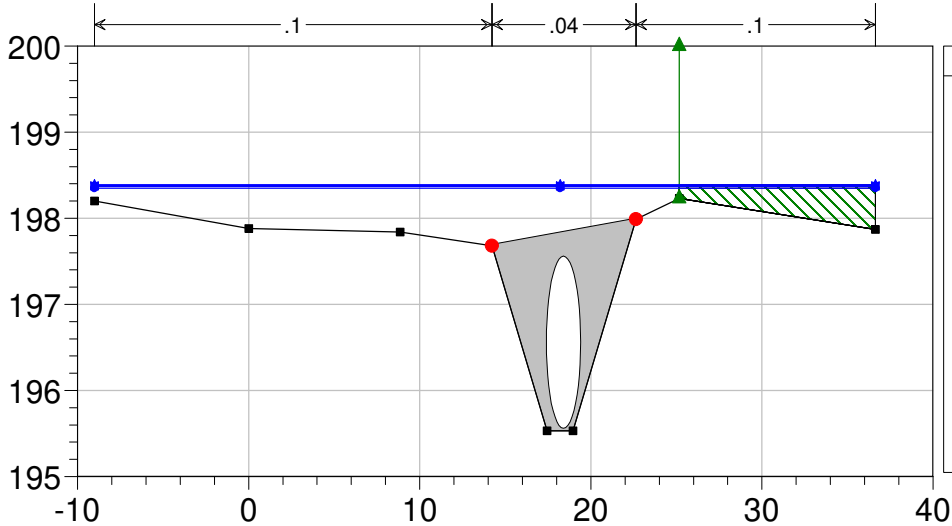


Station (m)

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.05 Culv

Elevation (m)

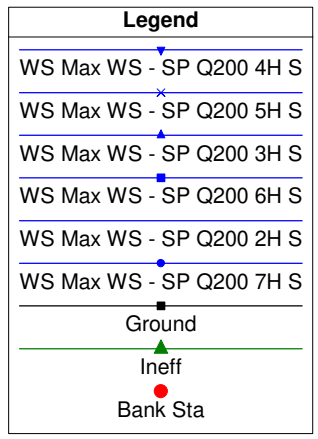
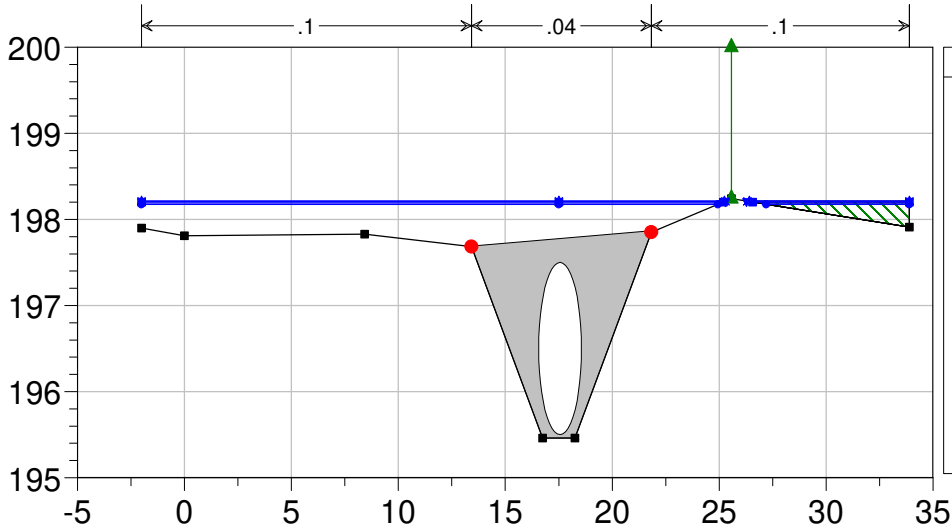


Station (m)

1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4.05 Culv

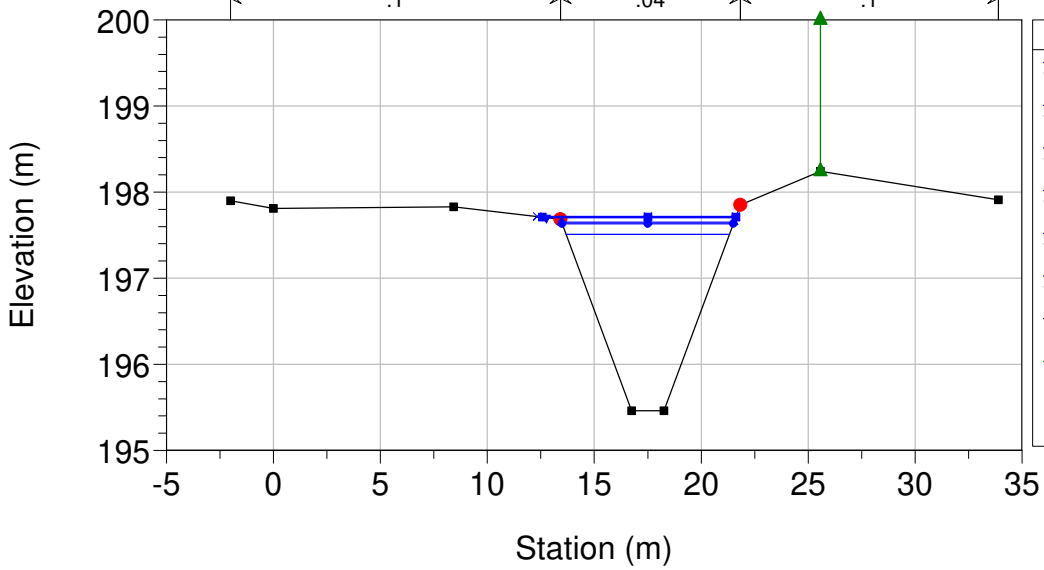
Elevation (m)



Station (m)

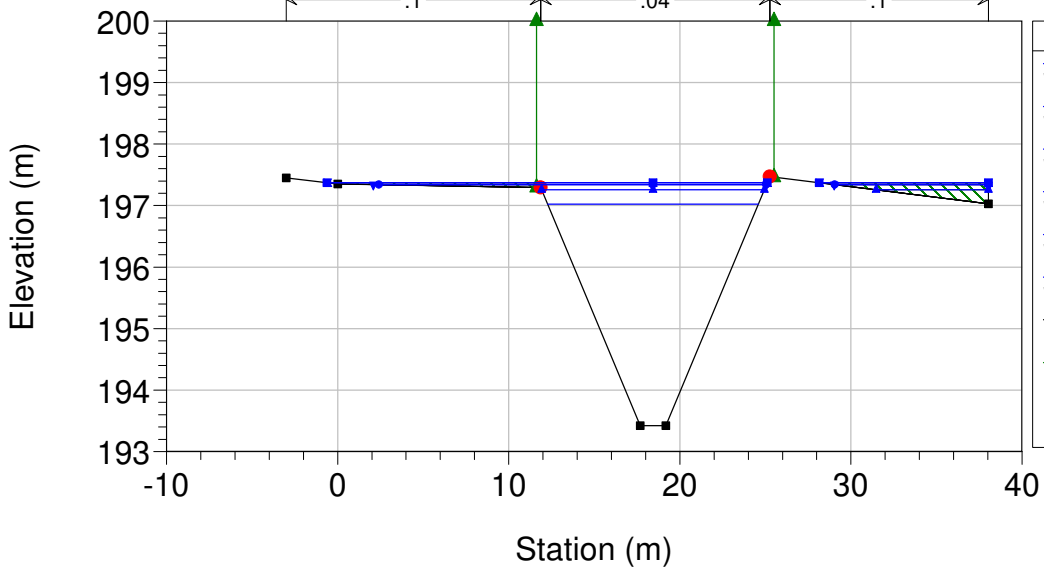
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 4



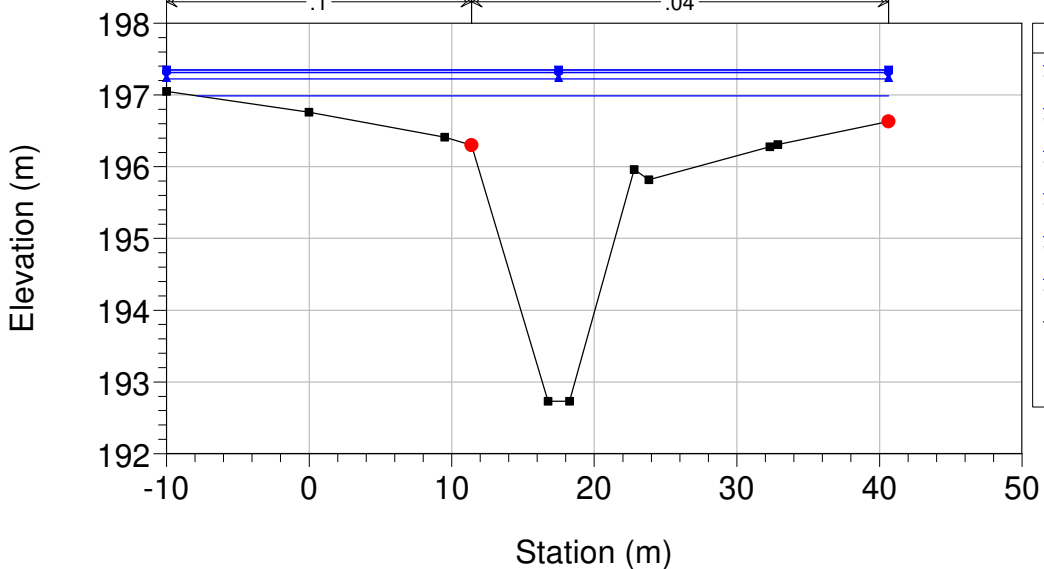
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 3.9



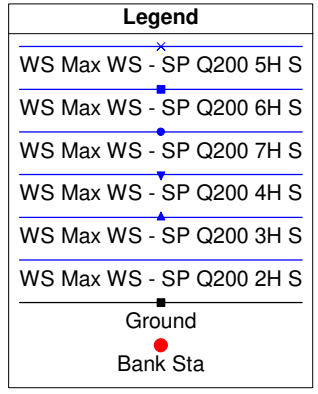
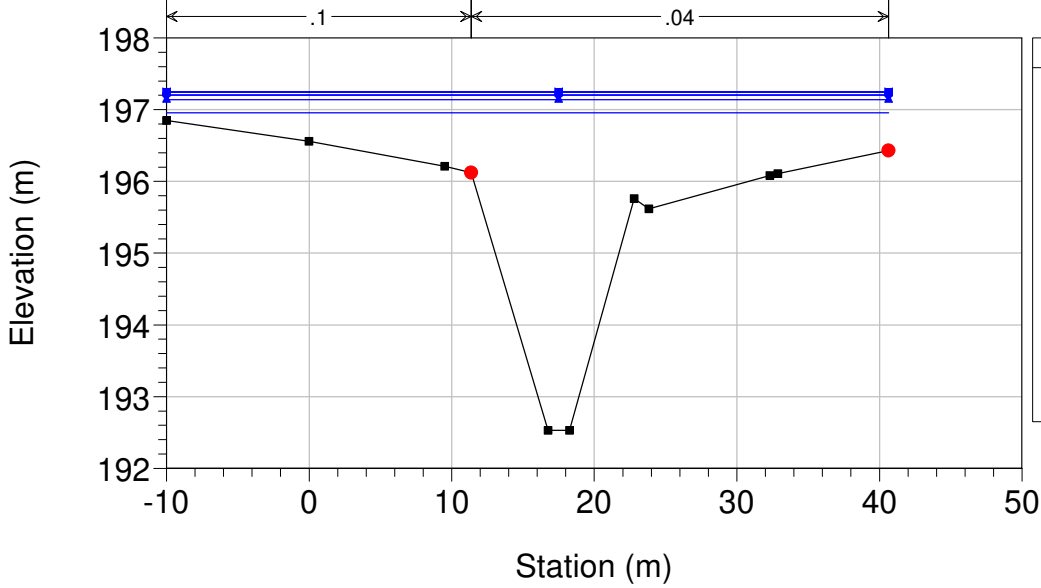
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 3.8



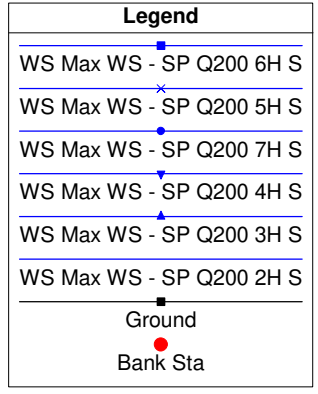
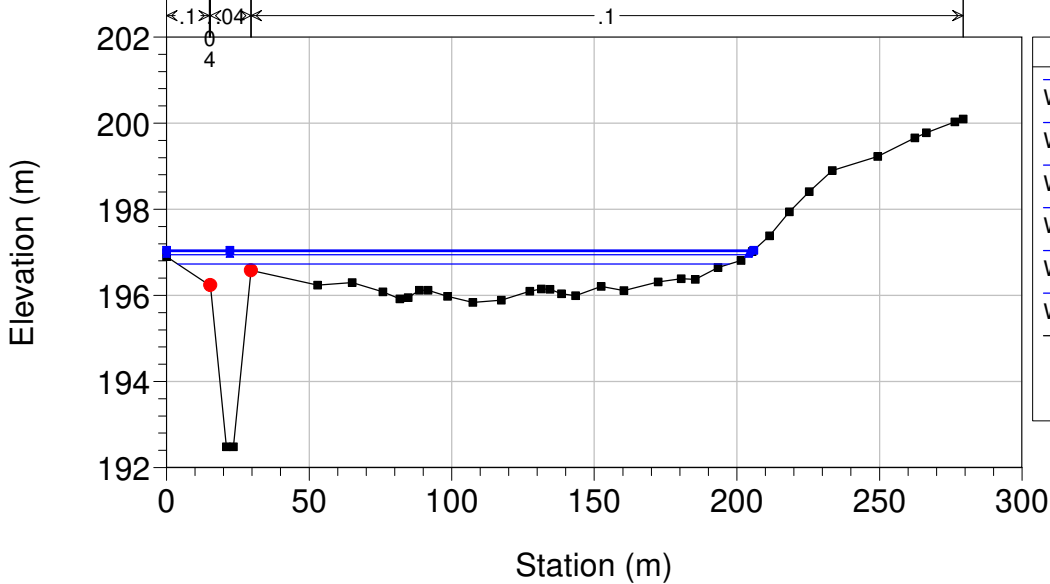
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 1 RS = 3.79



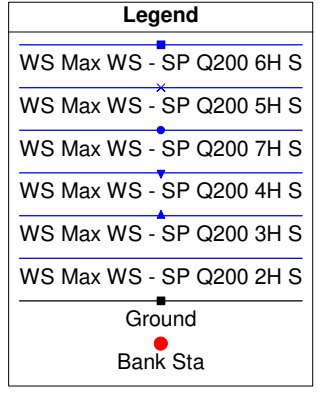
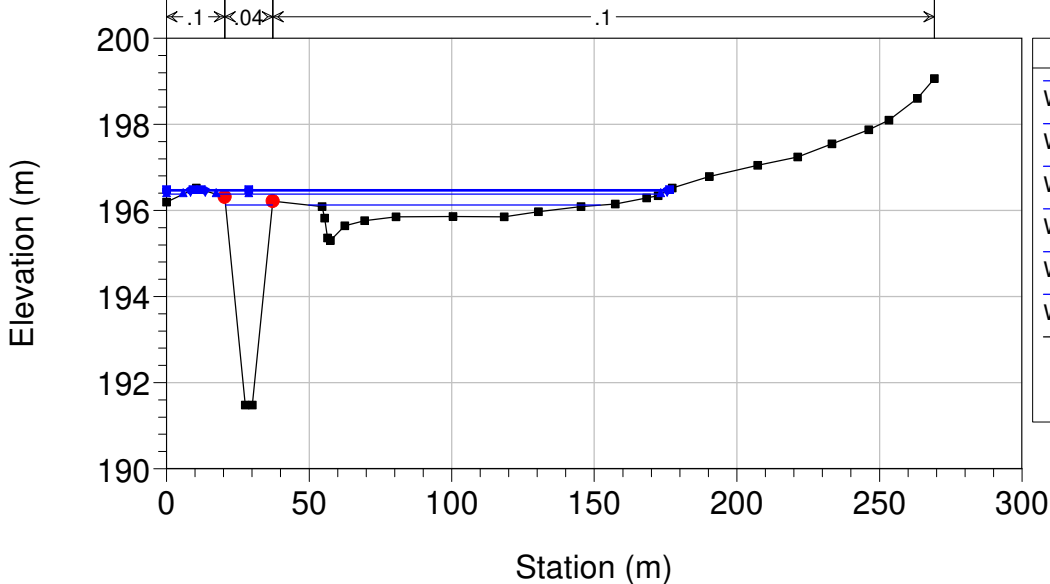
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 2 RS = 3.7



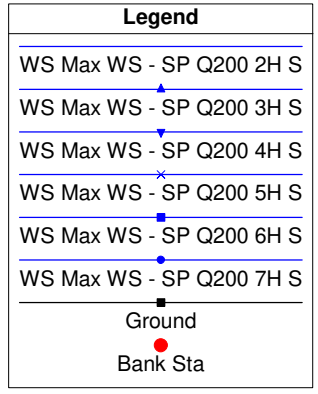
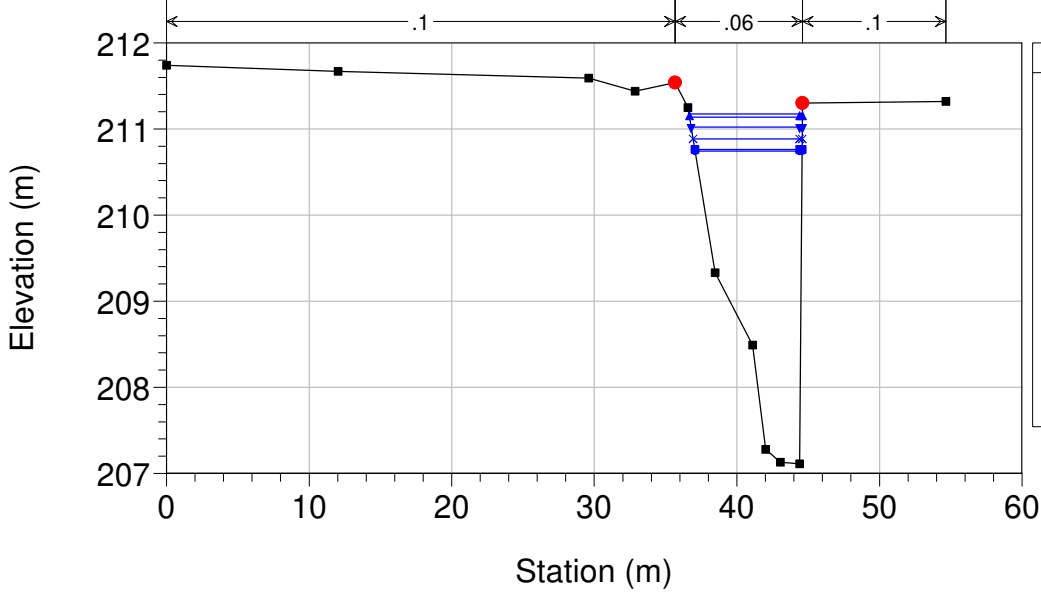
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Serpenna Reach = Tratto 2 RS = 3.6



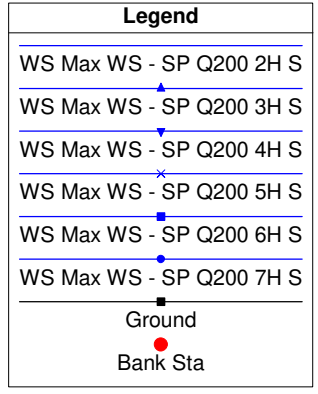
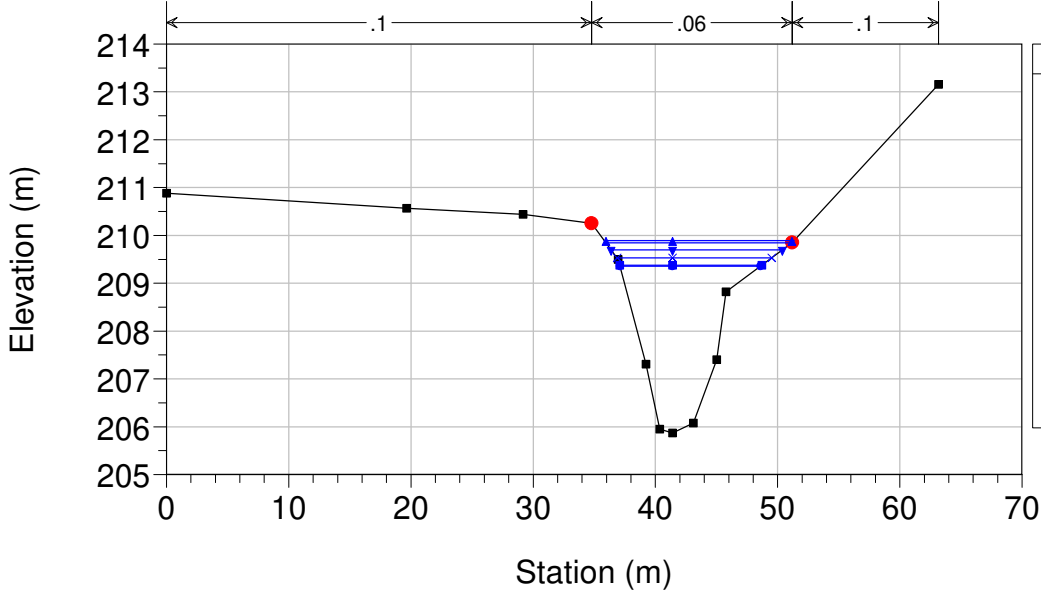
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 280



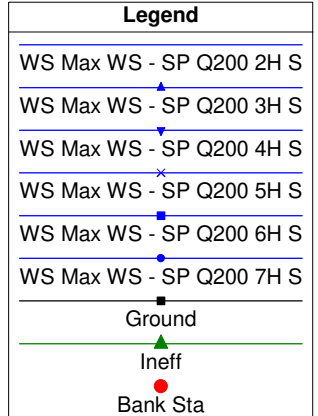
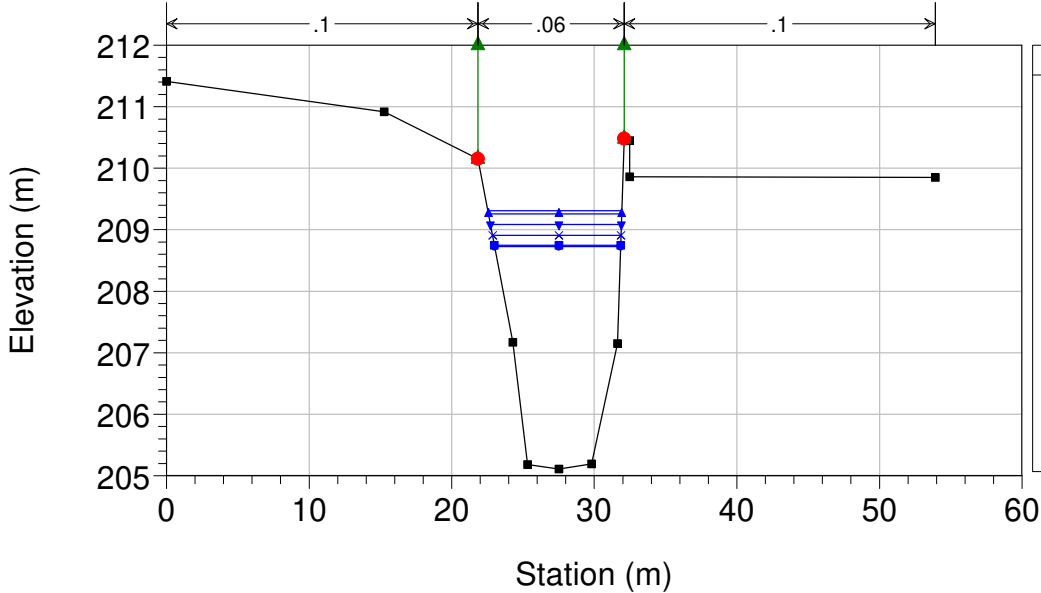
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 270



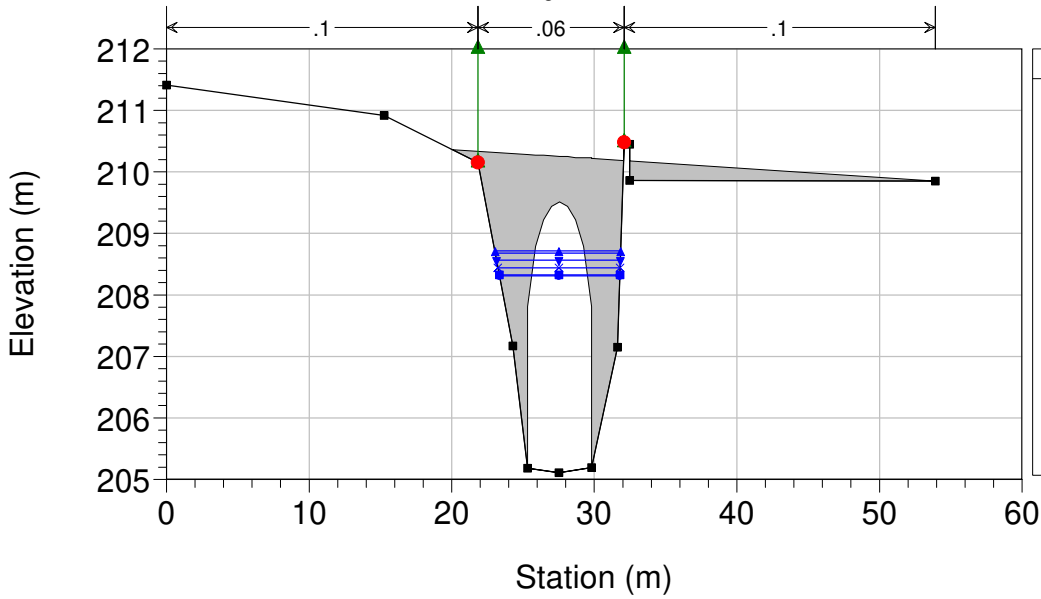
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 260



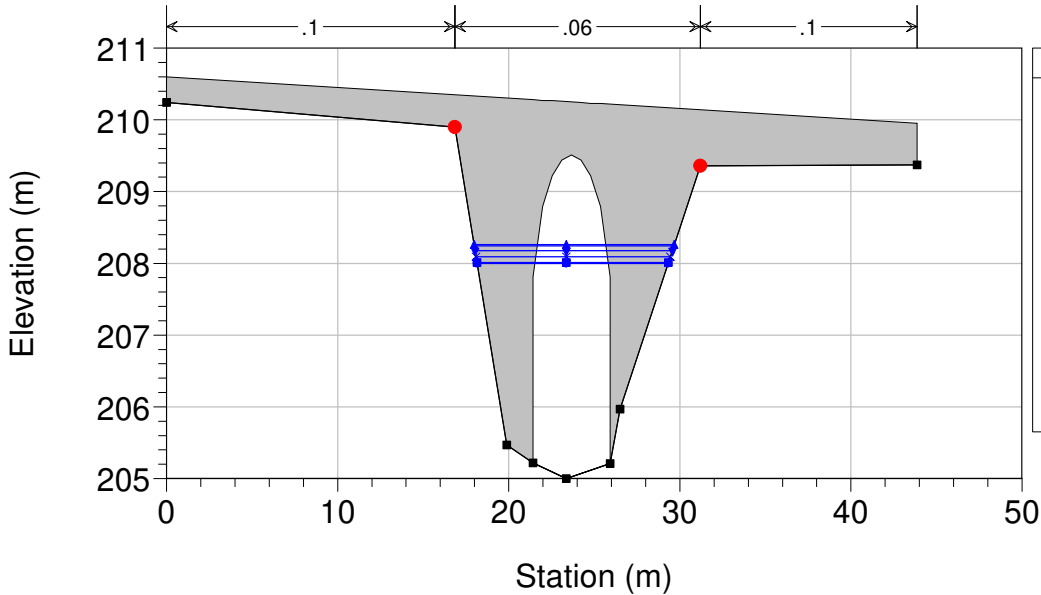
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 255 BR



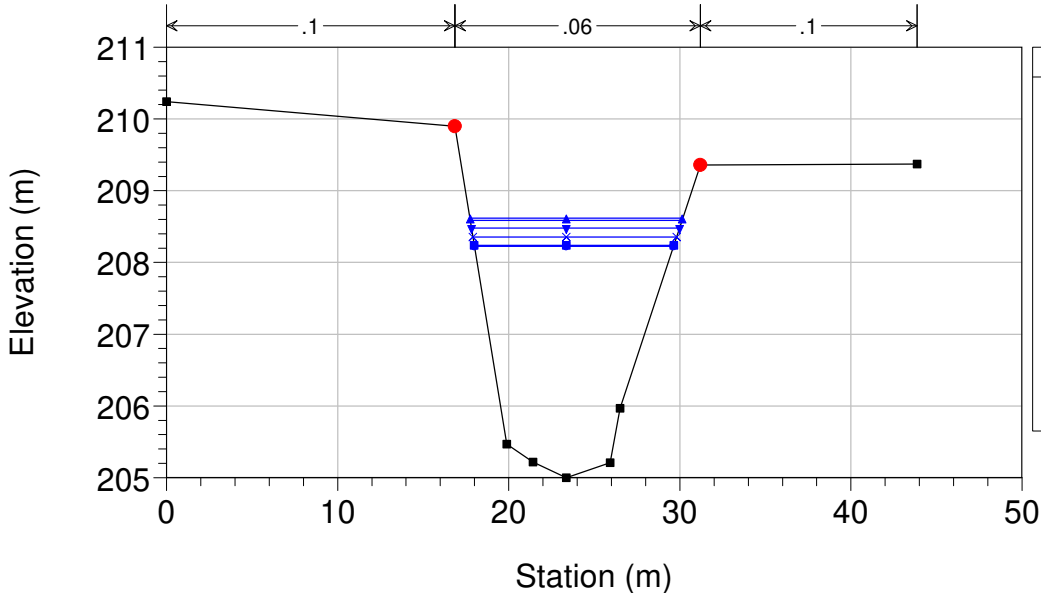
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 255 BR



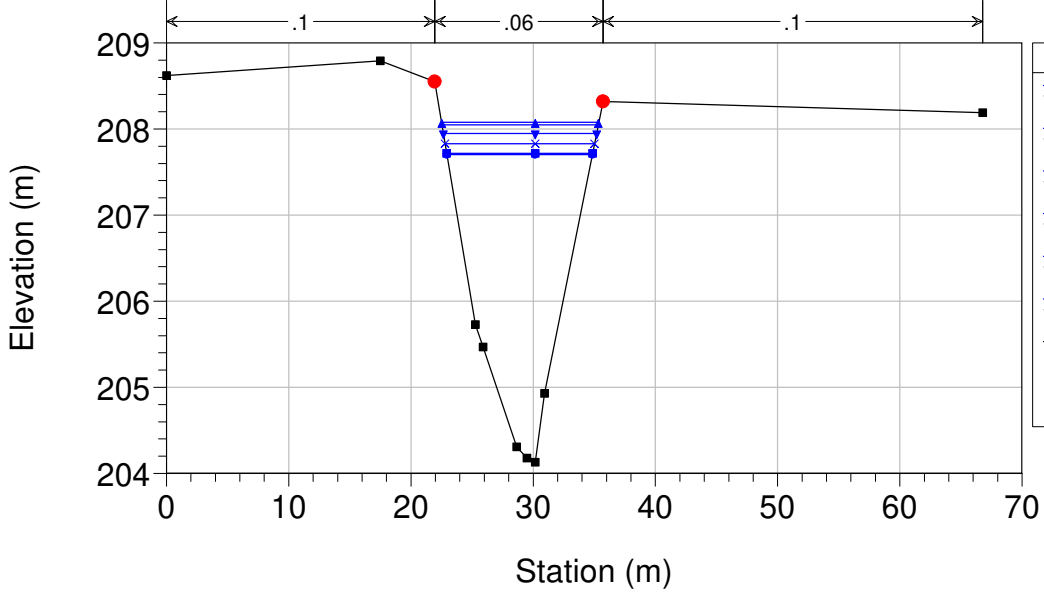
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 250



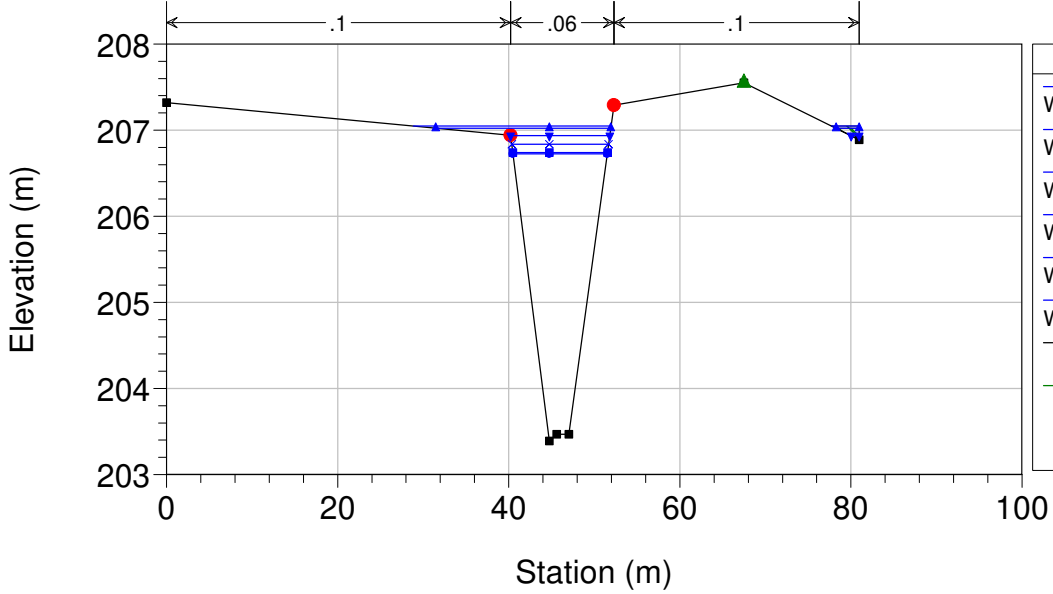
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 240



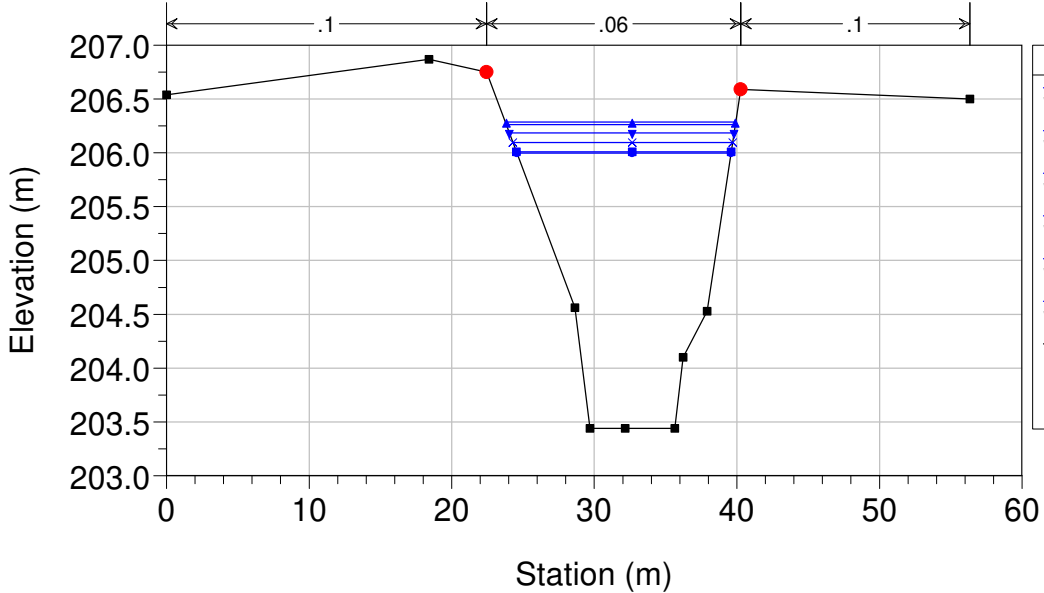
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 230



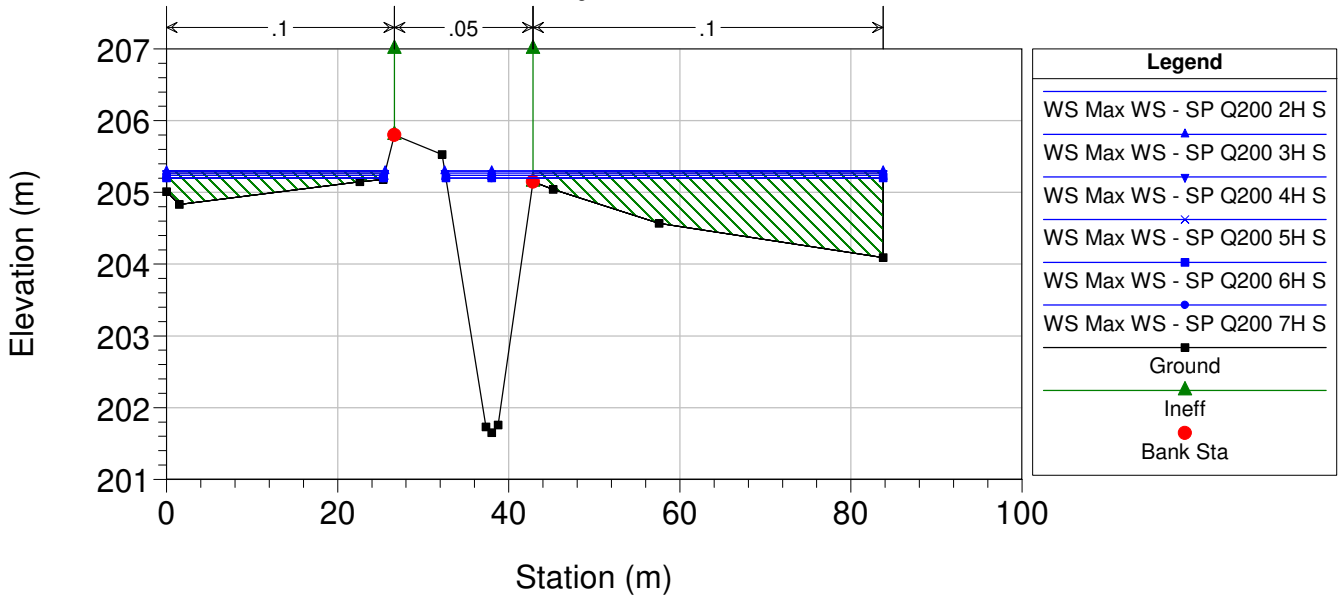
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 220



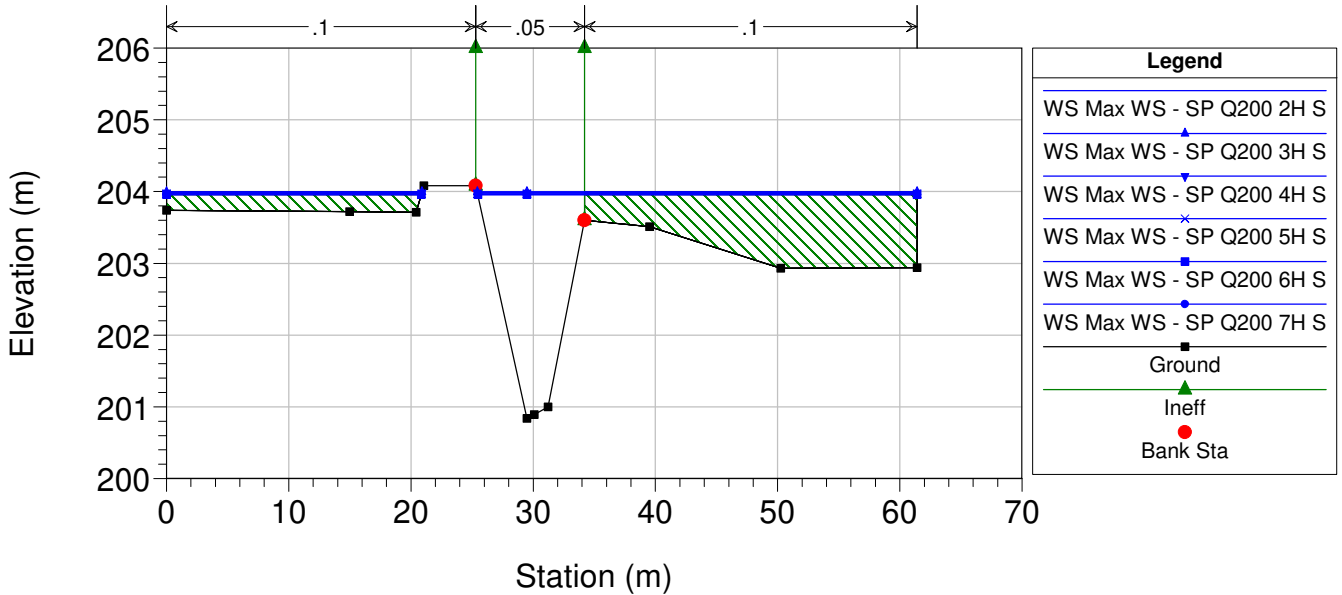
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 210



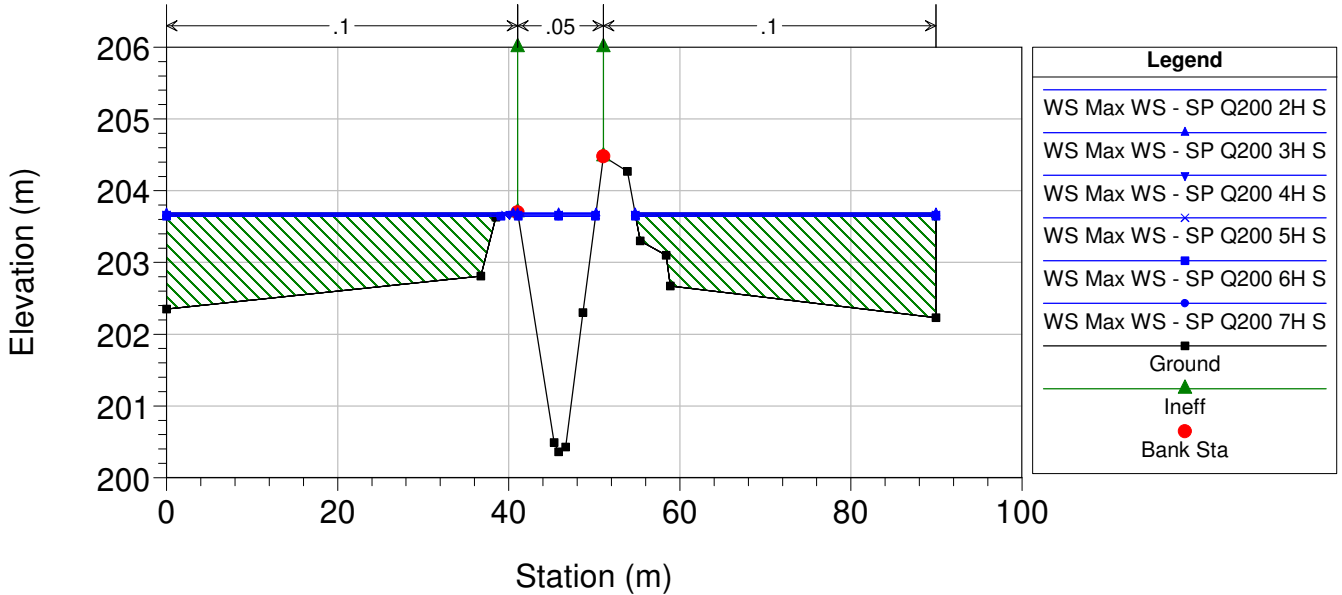
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 200



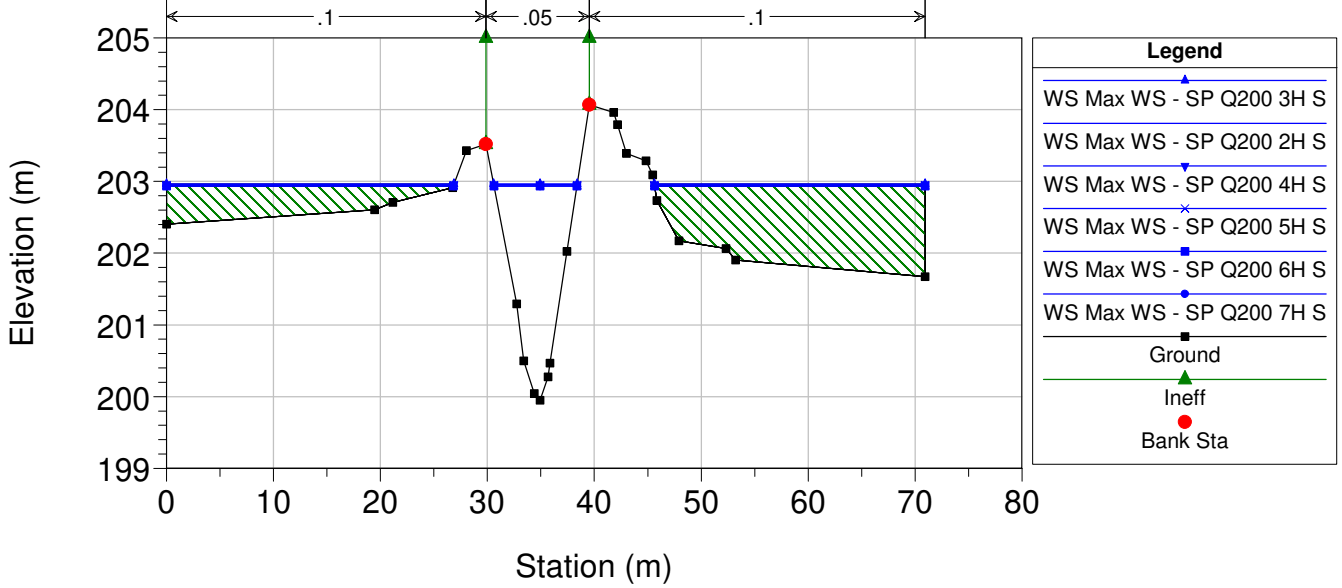
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 190



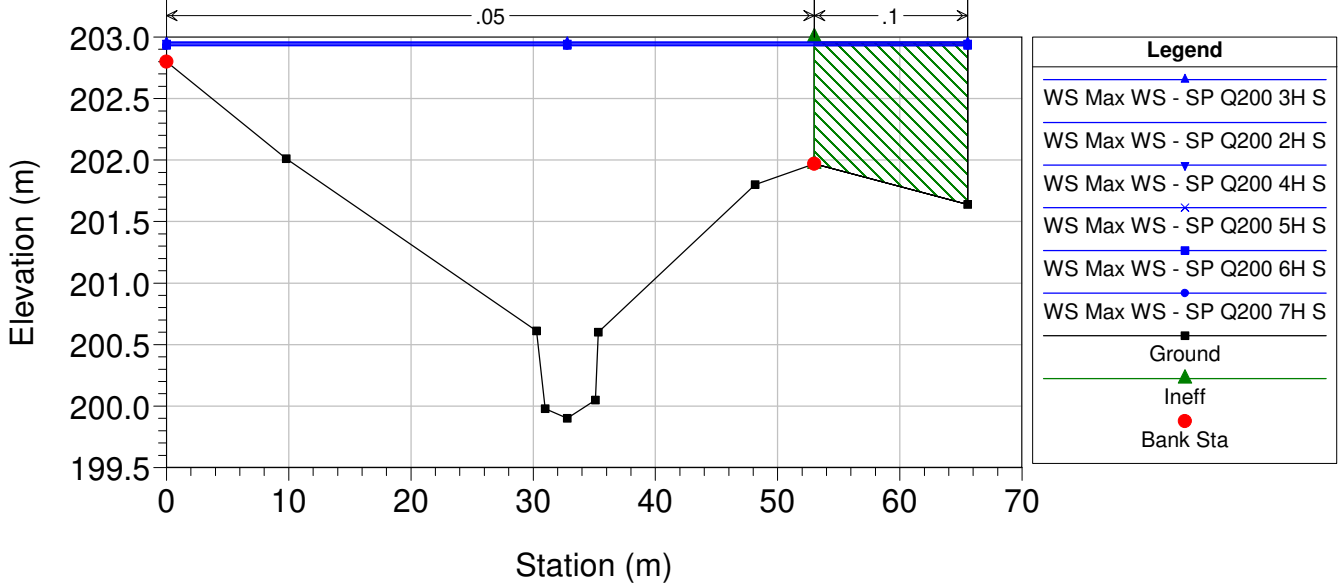
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 181.764



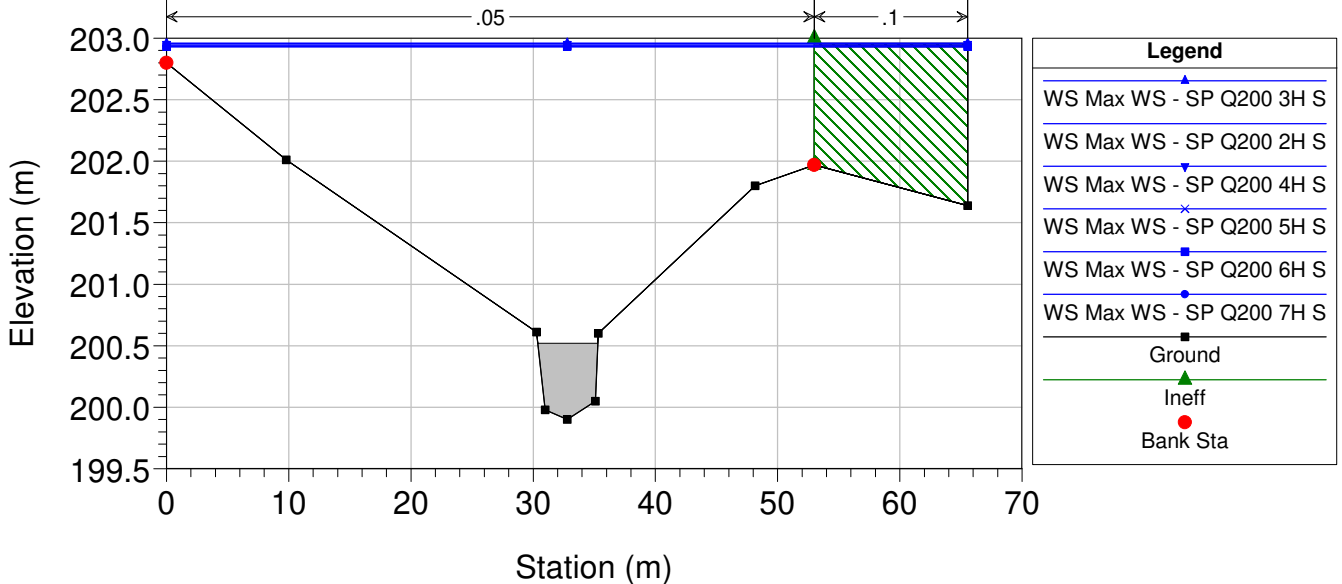
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 181.5



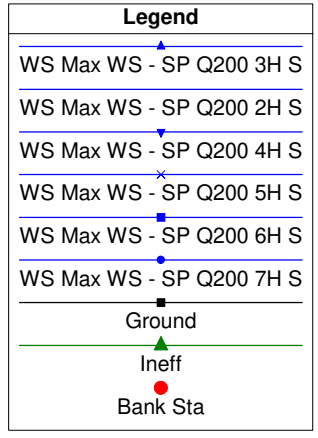
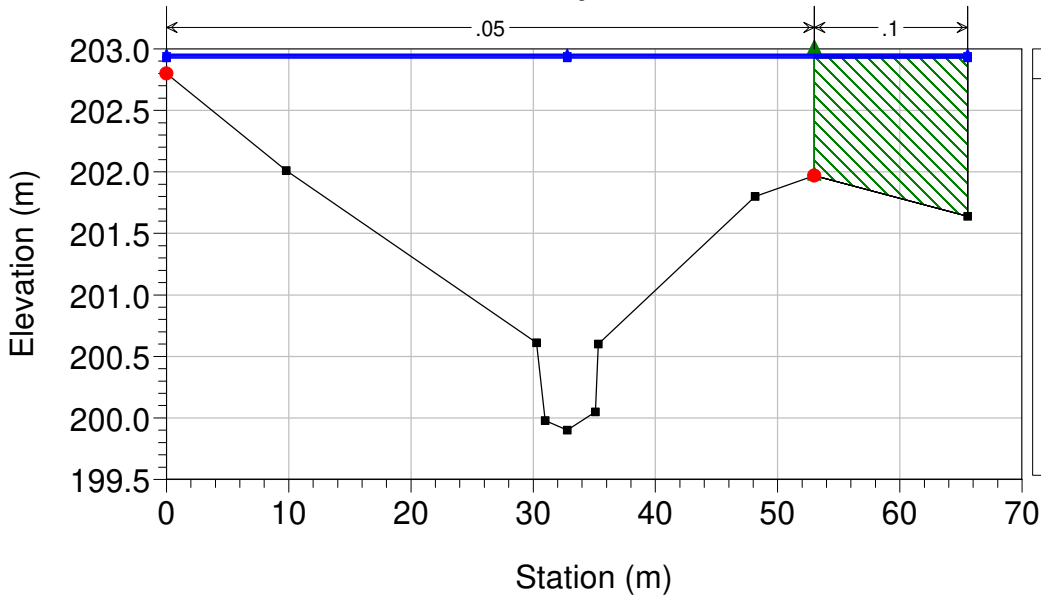
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 181.4 IS



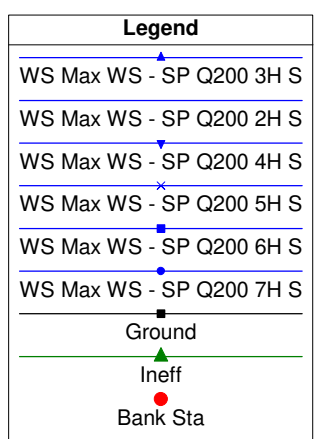
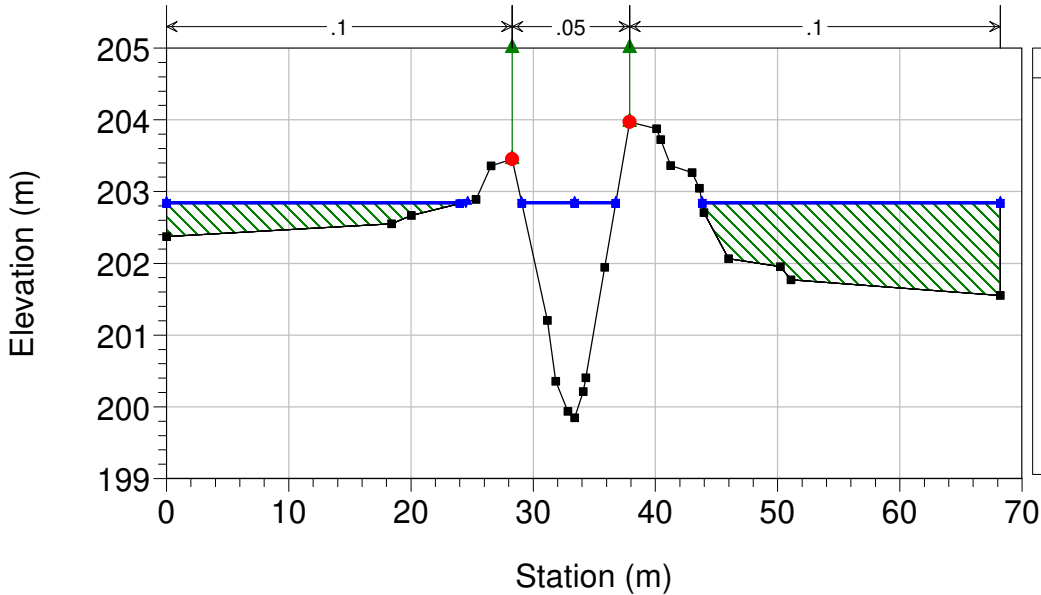
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 181



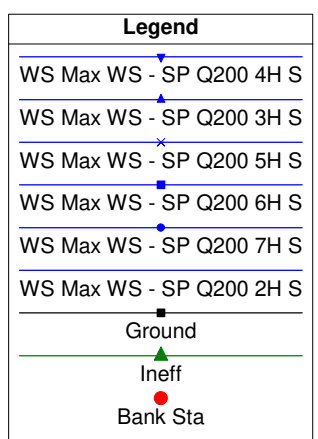
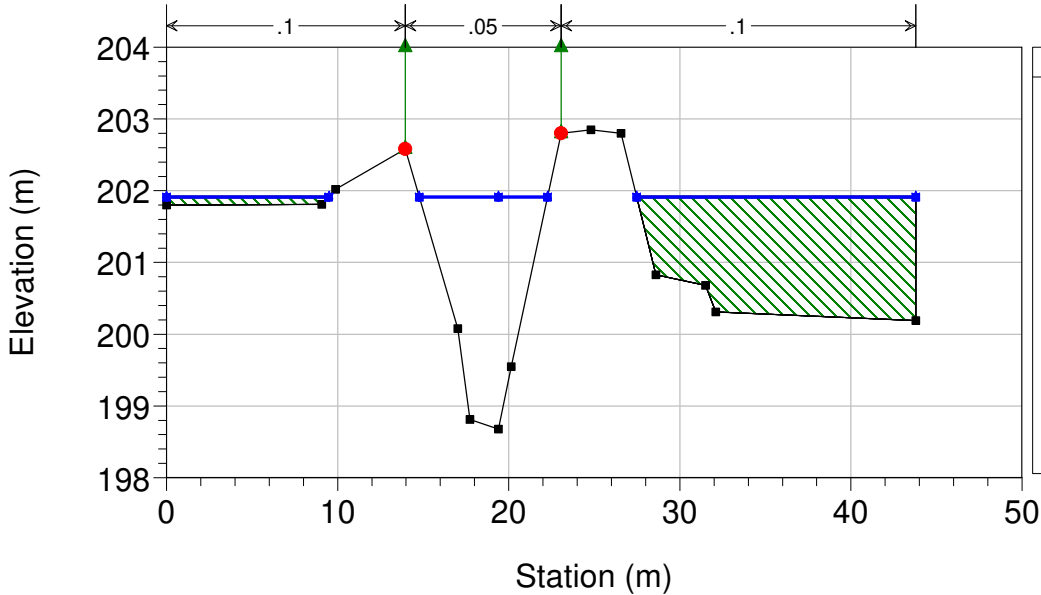
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 180.588



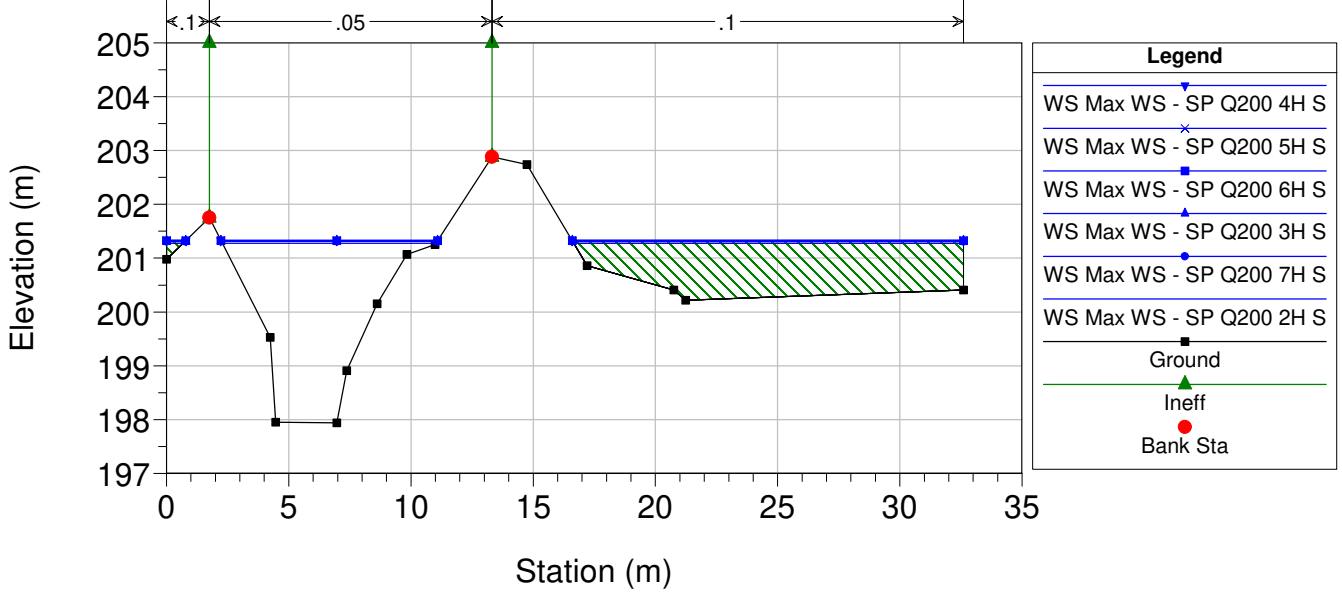
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 170



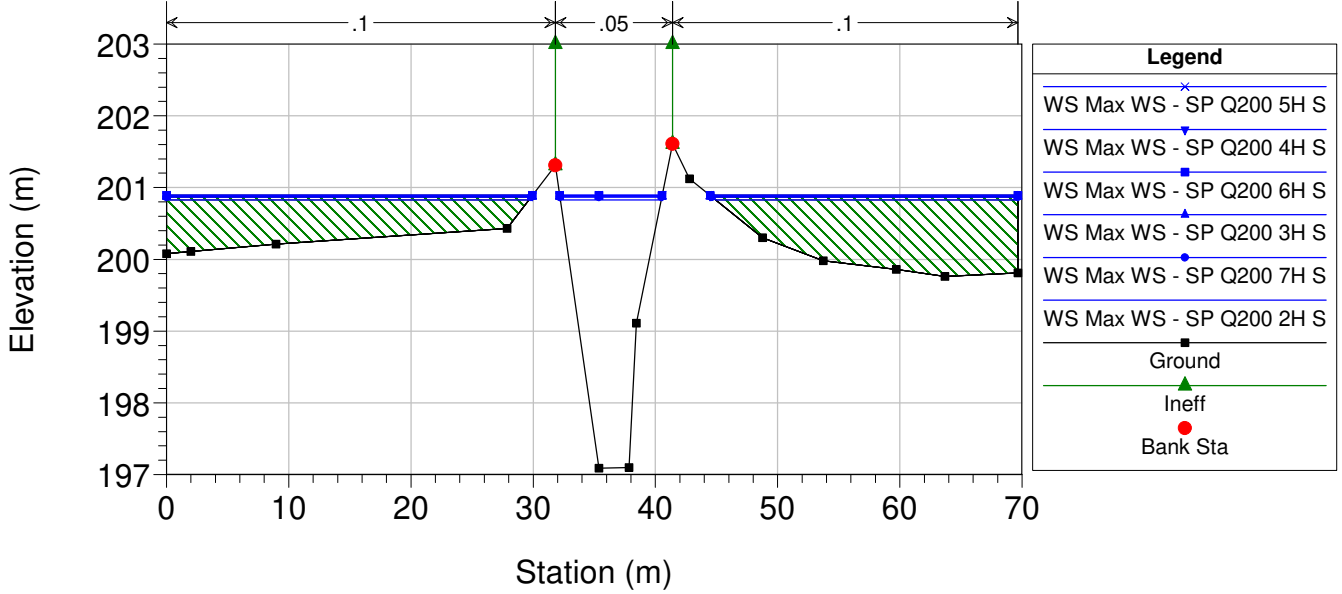
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 160



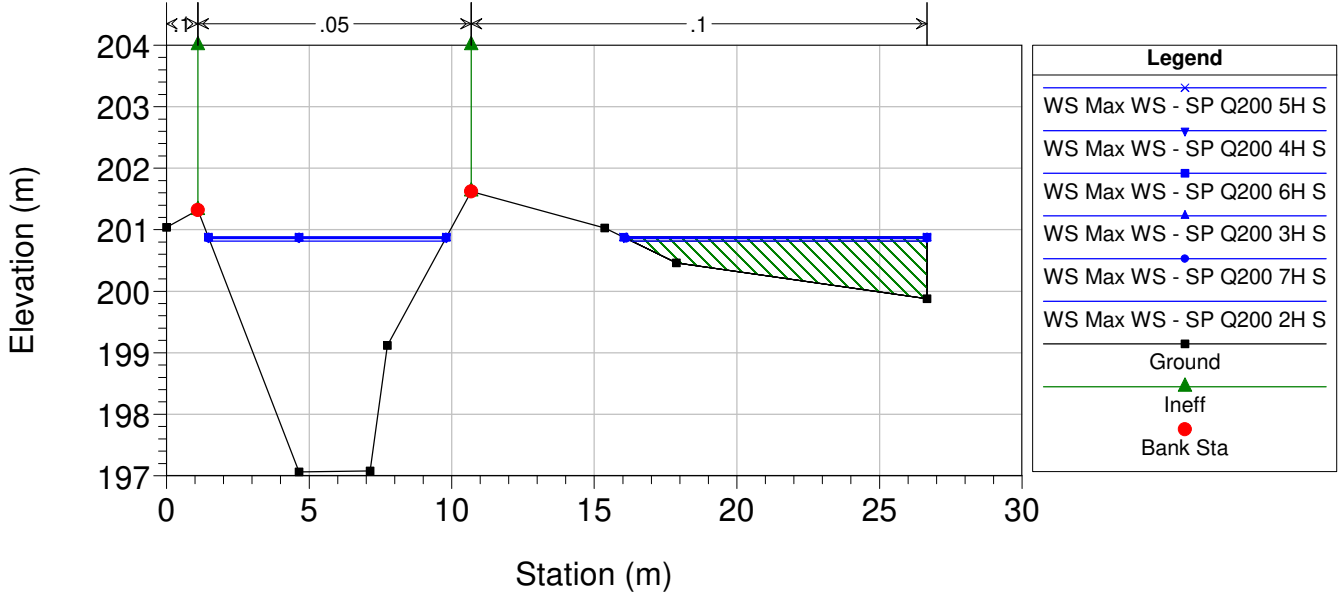
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 150



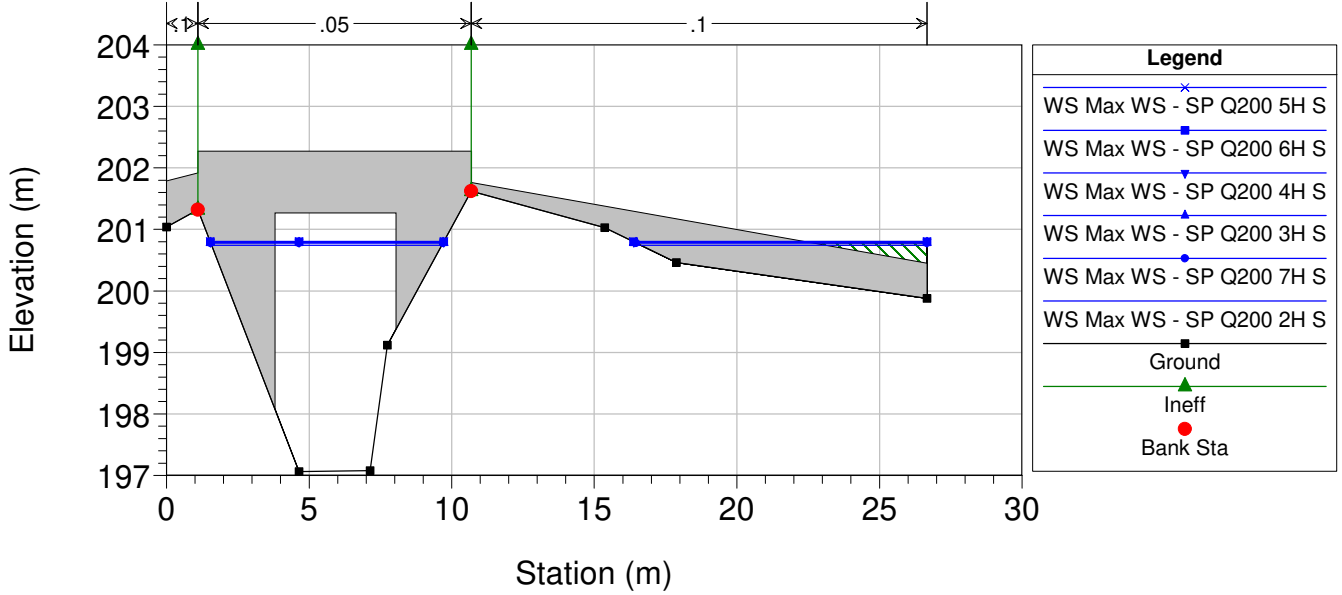
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 140



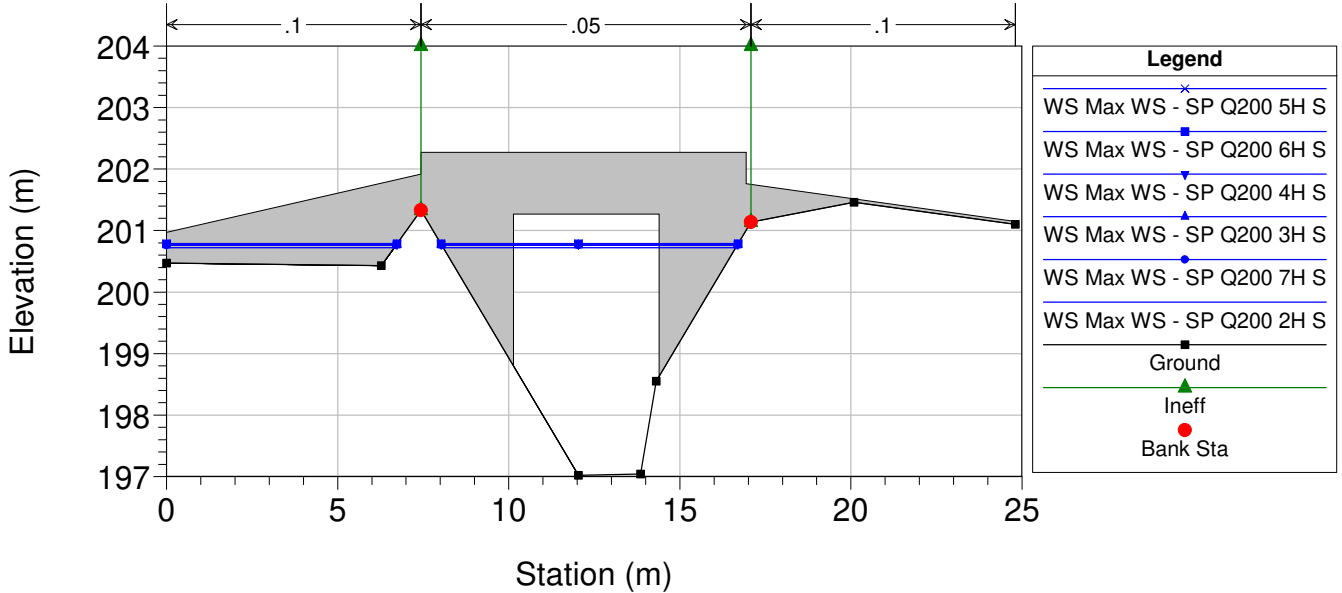
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 135 BR



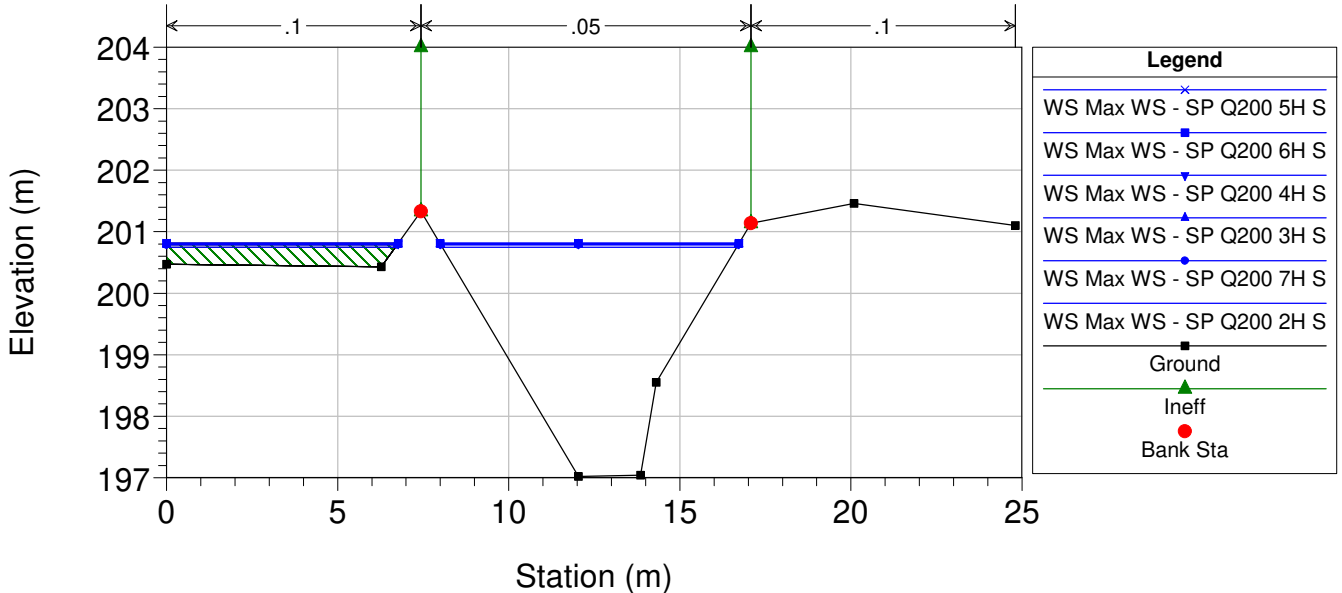
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 135 BR



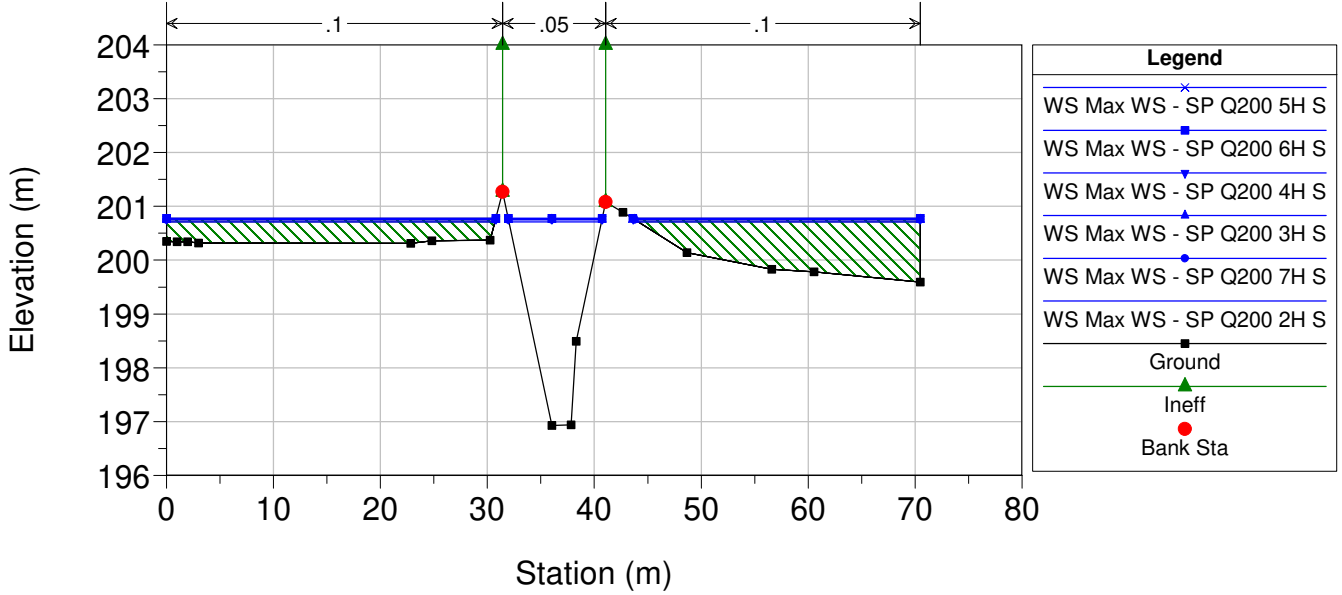
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 130



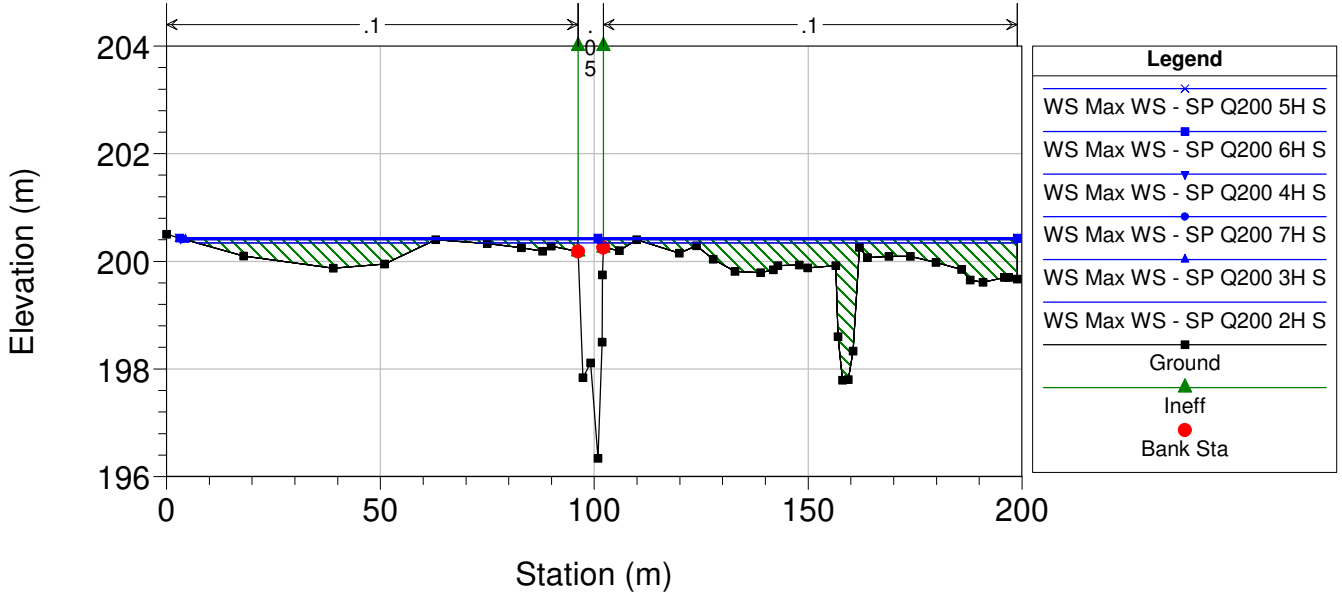
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 120



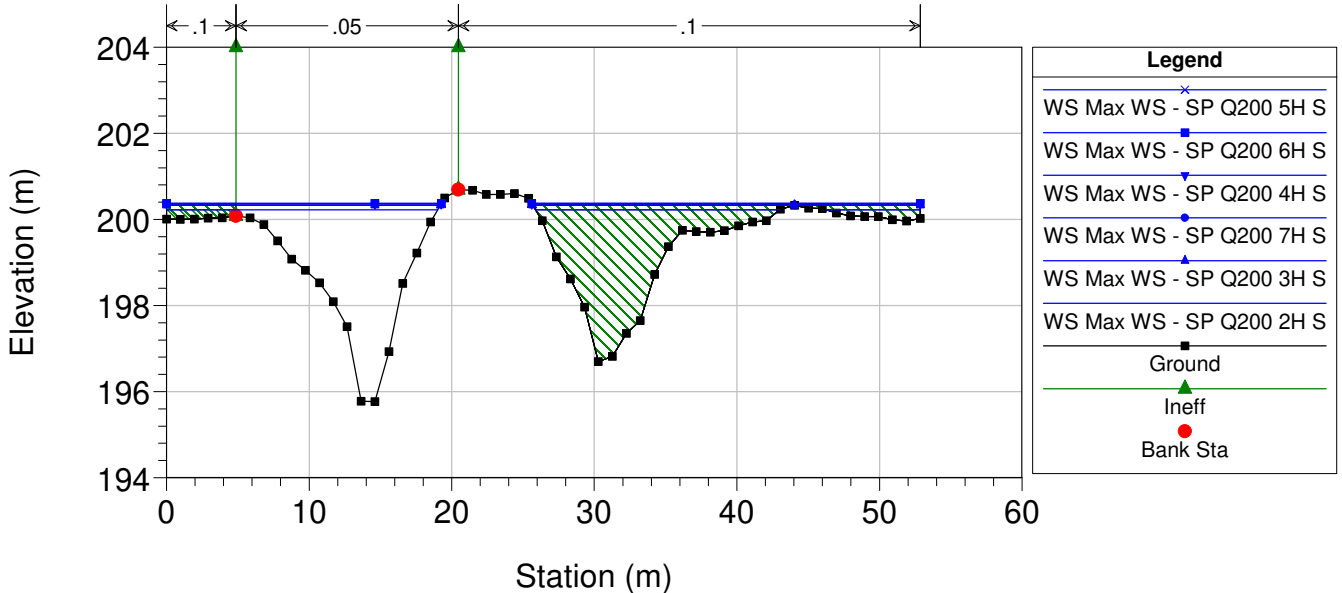
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 110



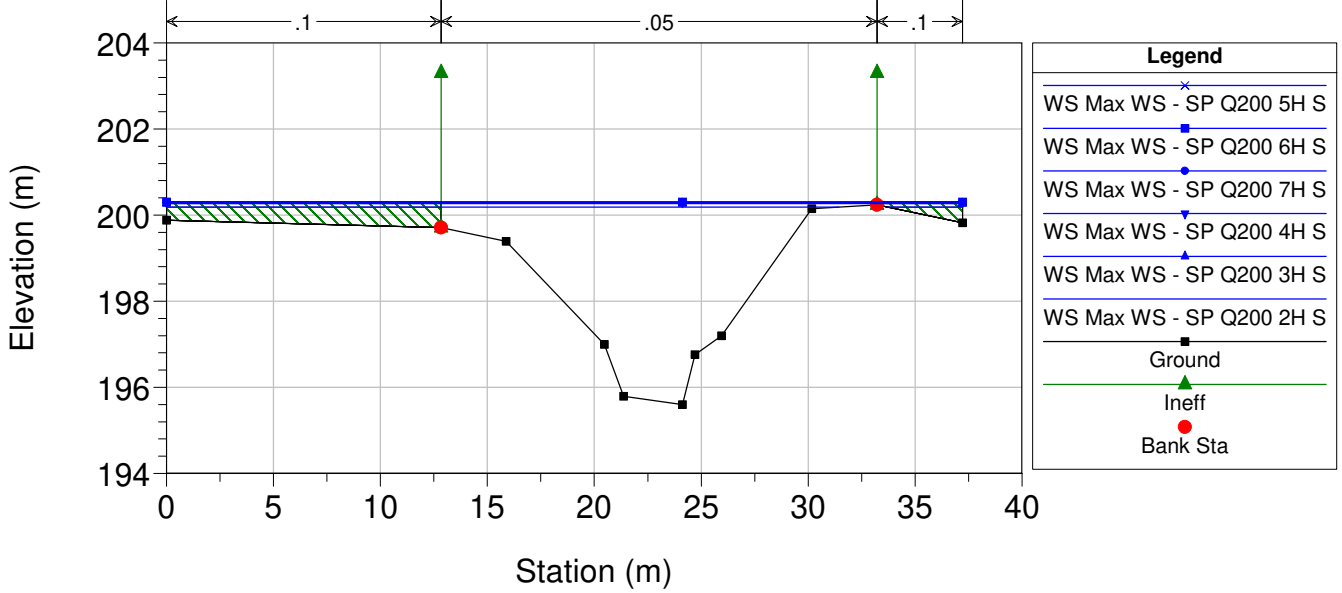
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 1 RS = 108



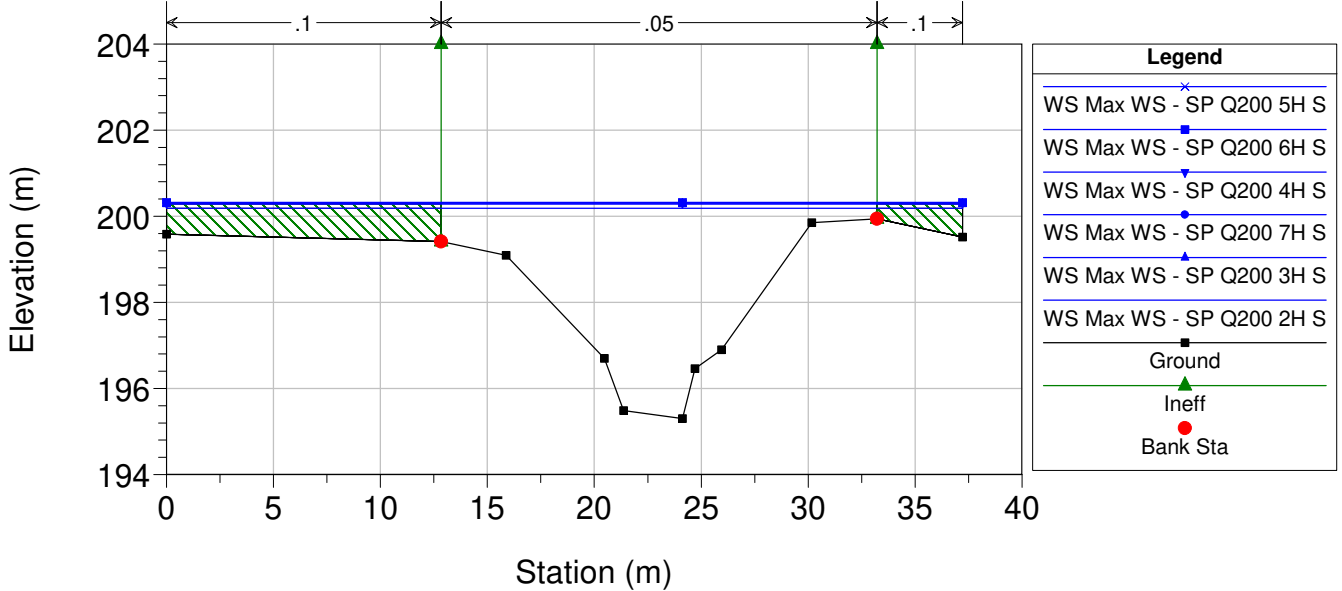
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 2 RS = 105



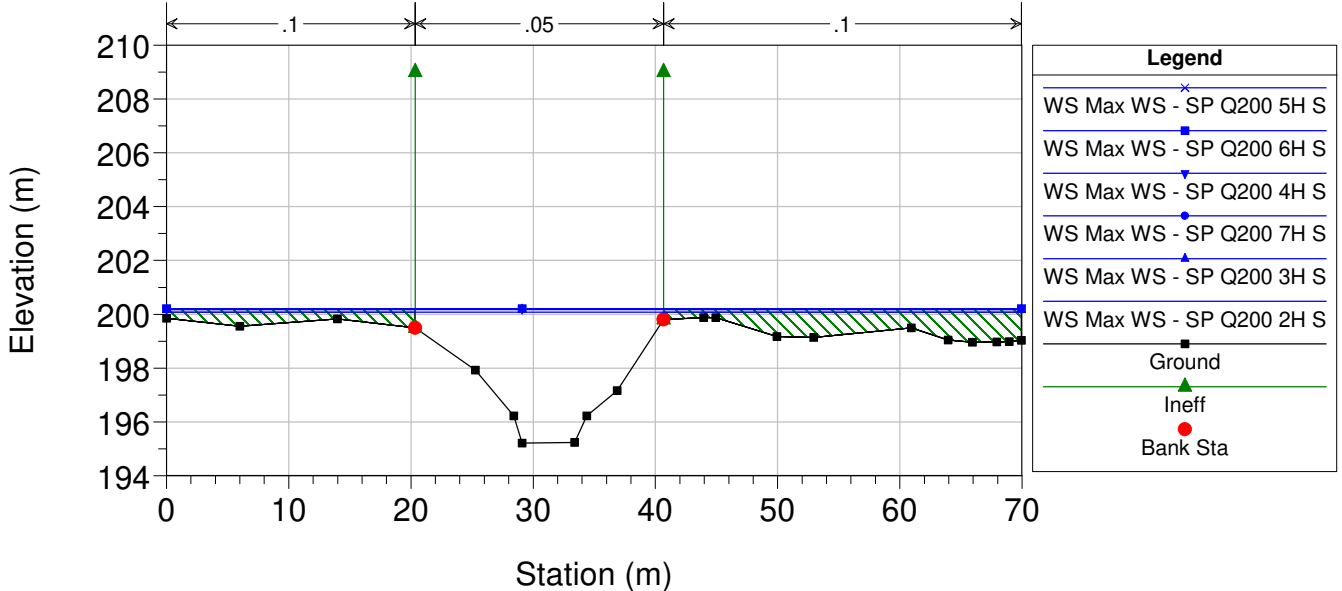
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 2 RS = 100



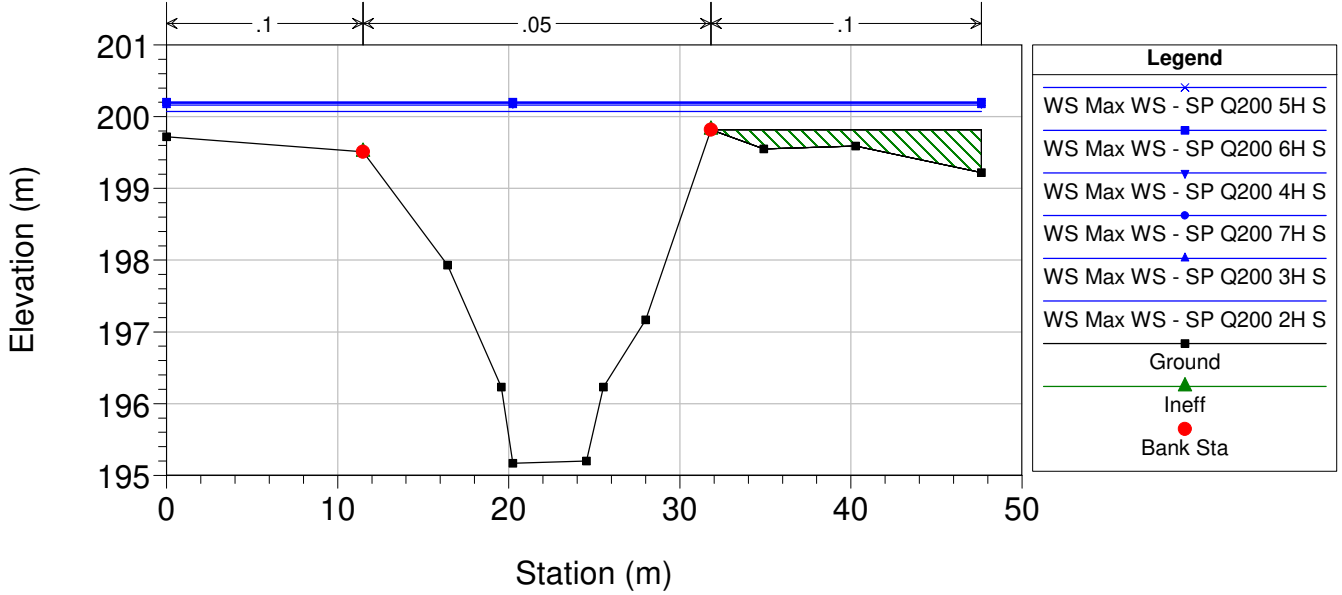
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 90



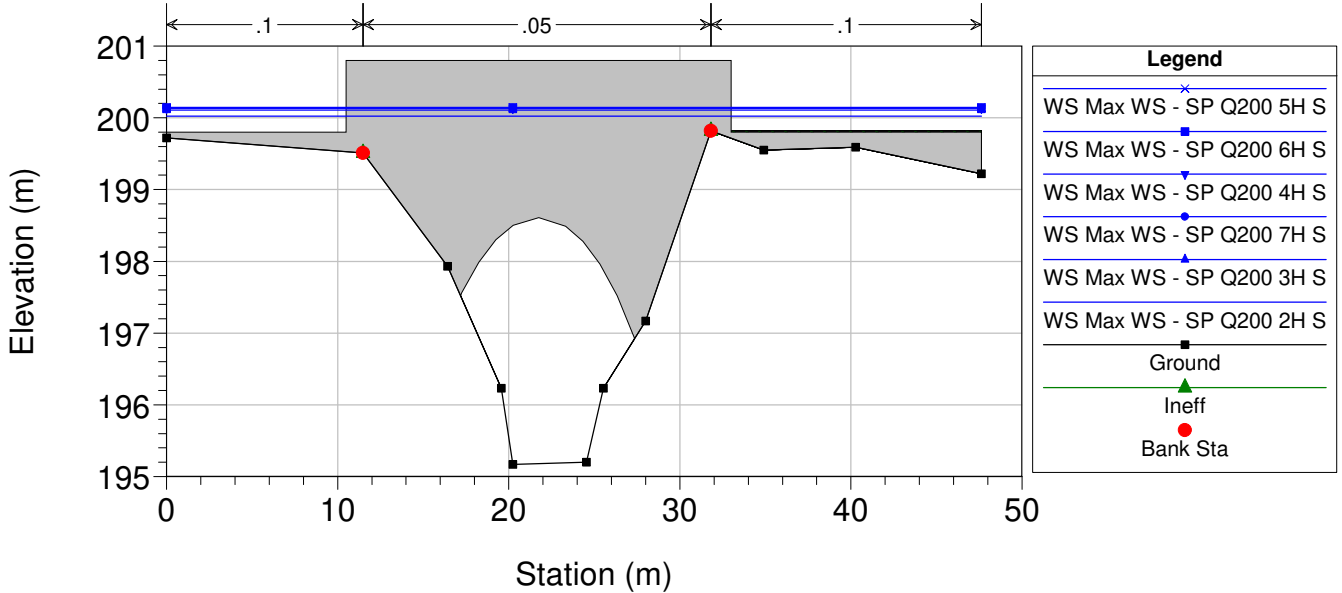
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 80



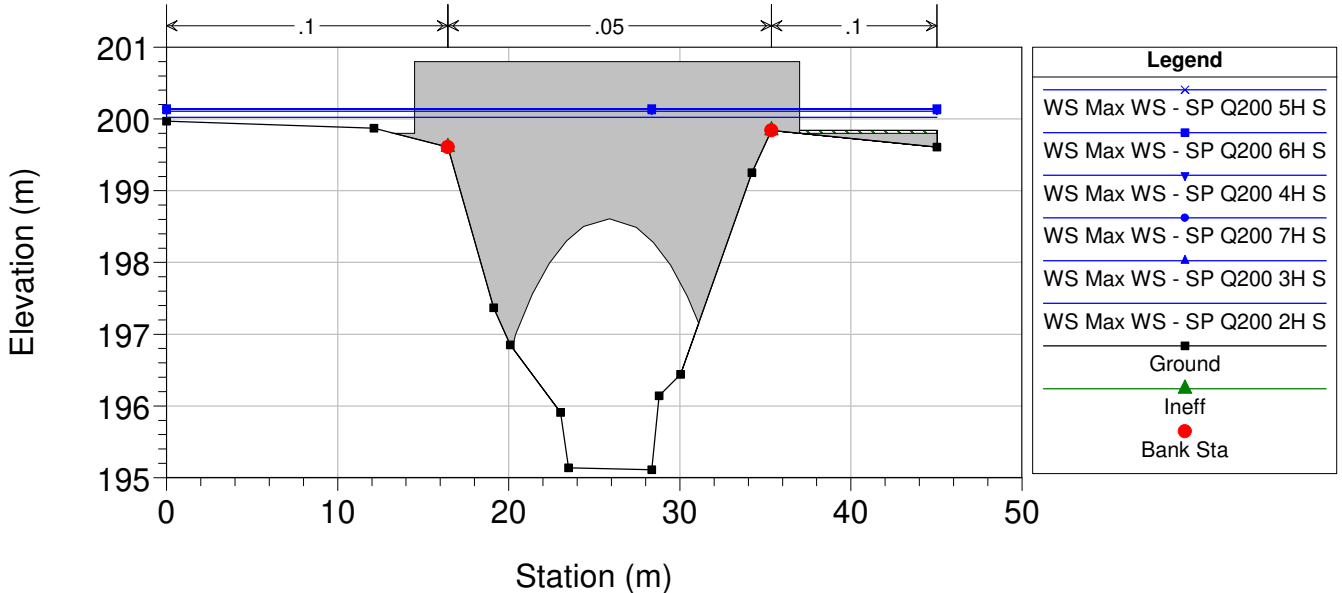
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 75 BR



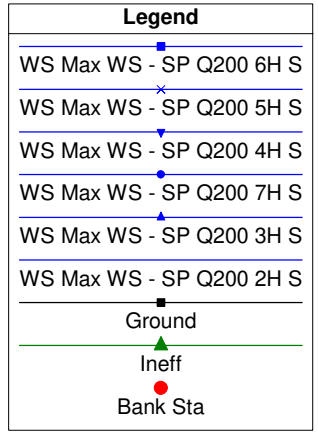
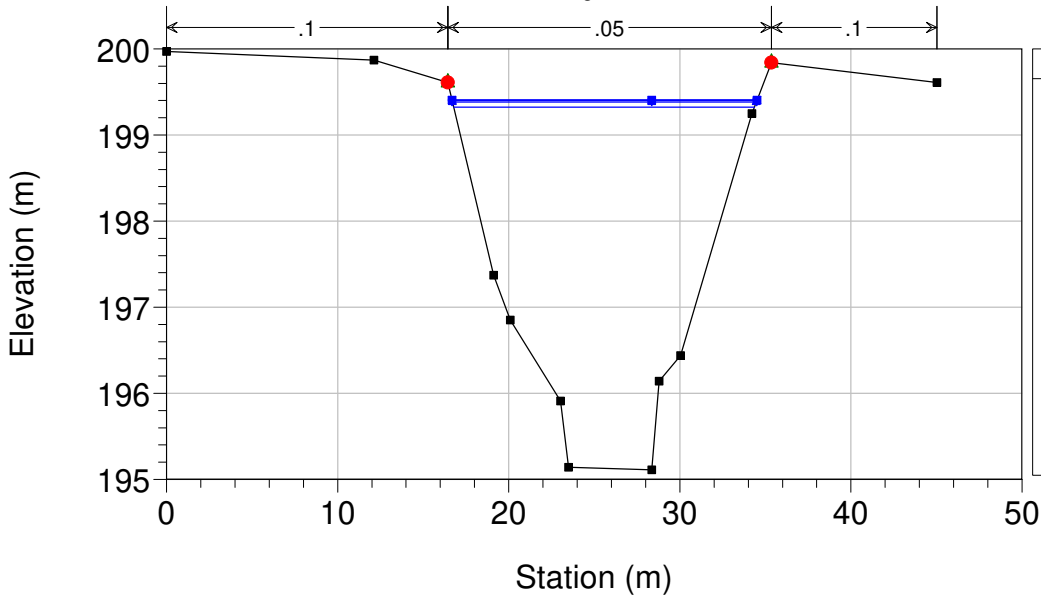
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 75 BR



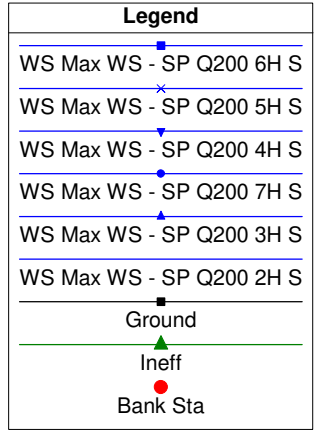
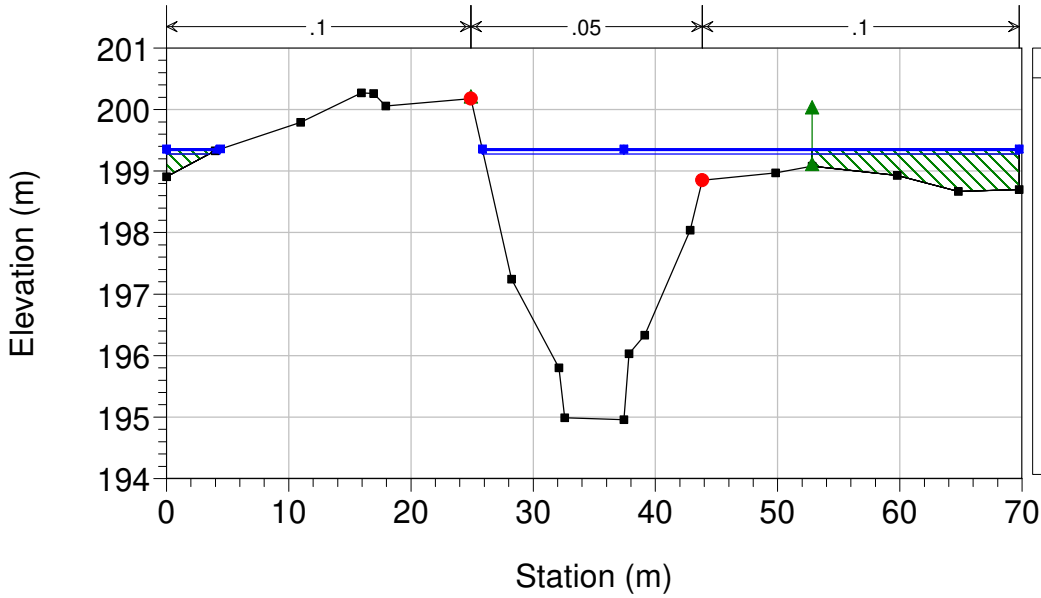
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 70



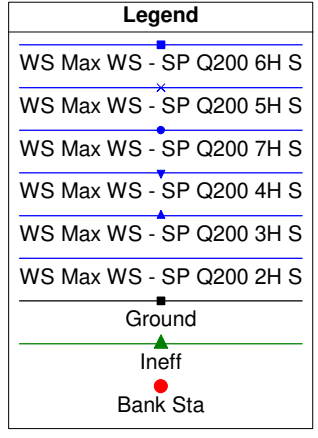
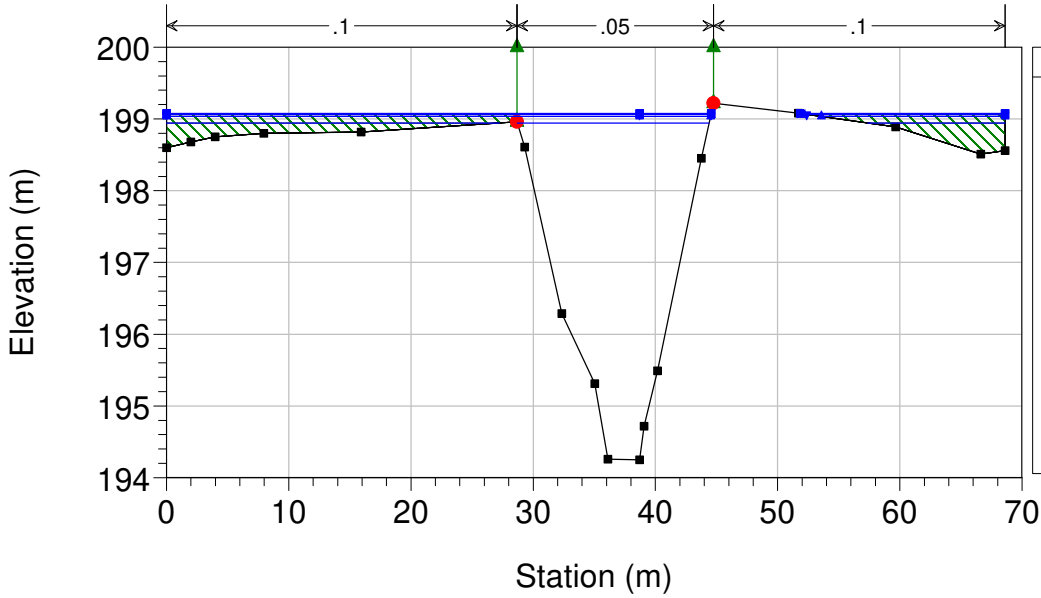
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 60



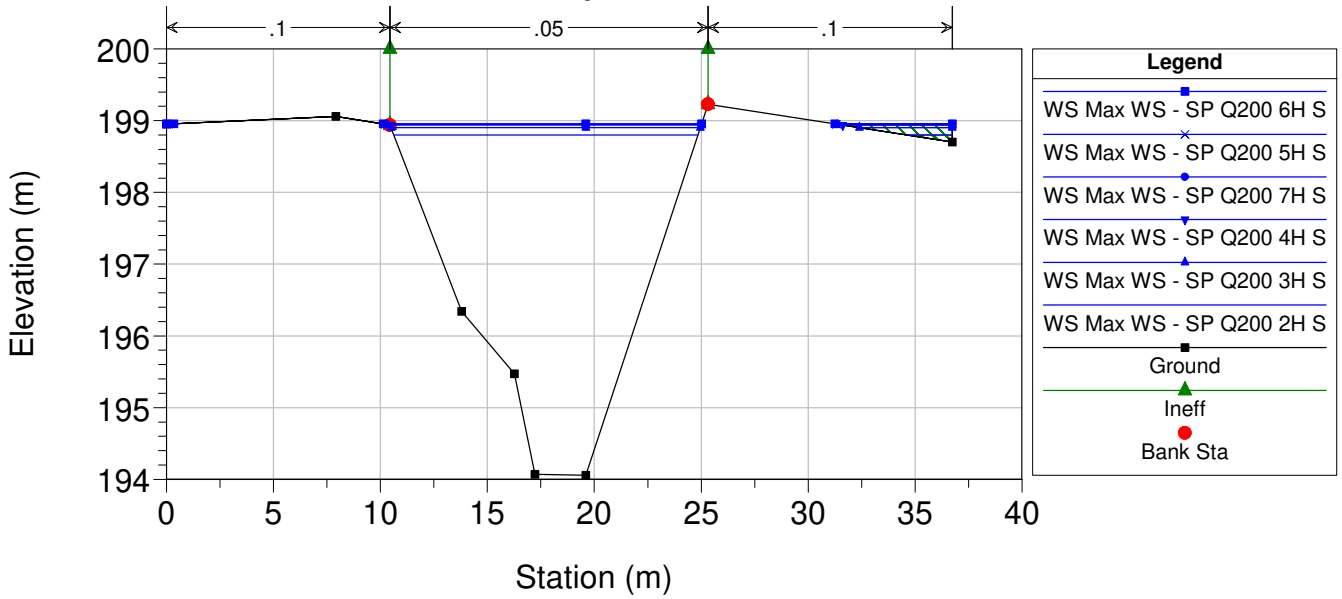
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 50



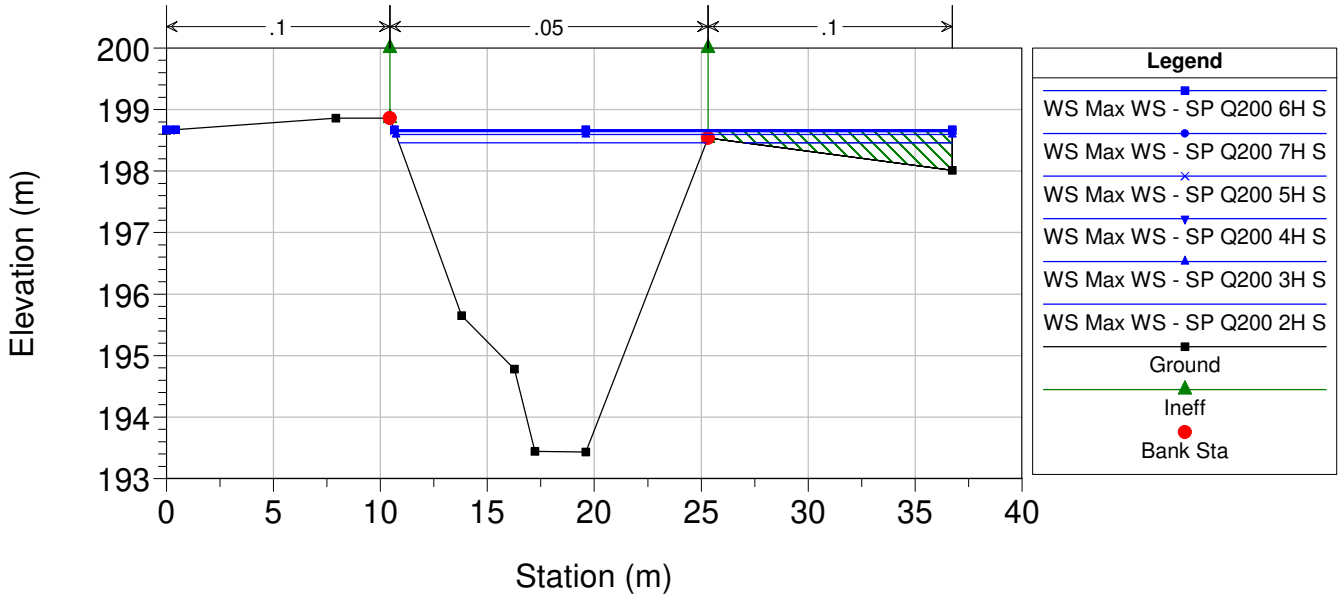
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 40



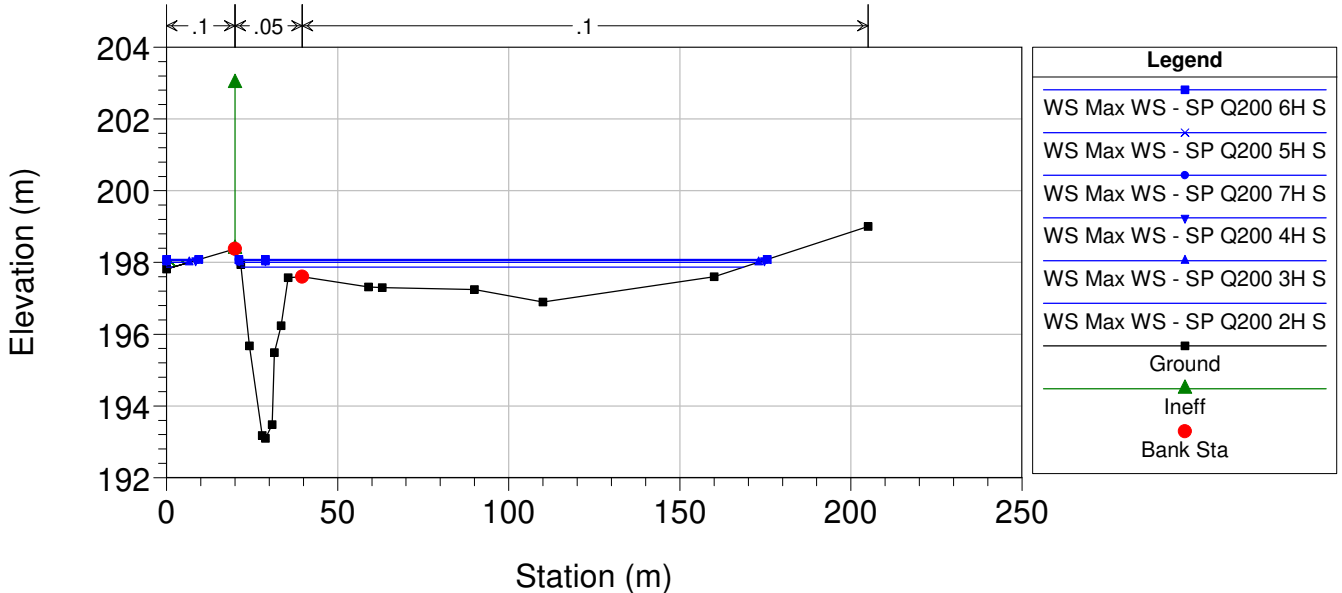
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 3 RS = 35



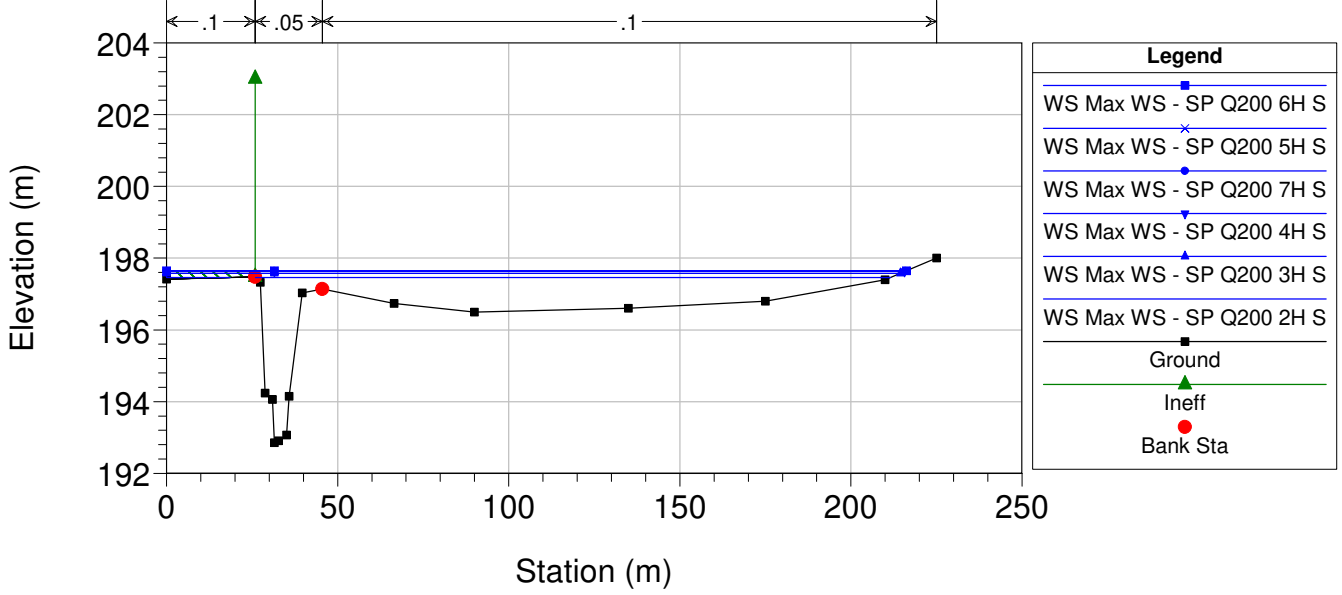
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 4 RS = 30



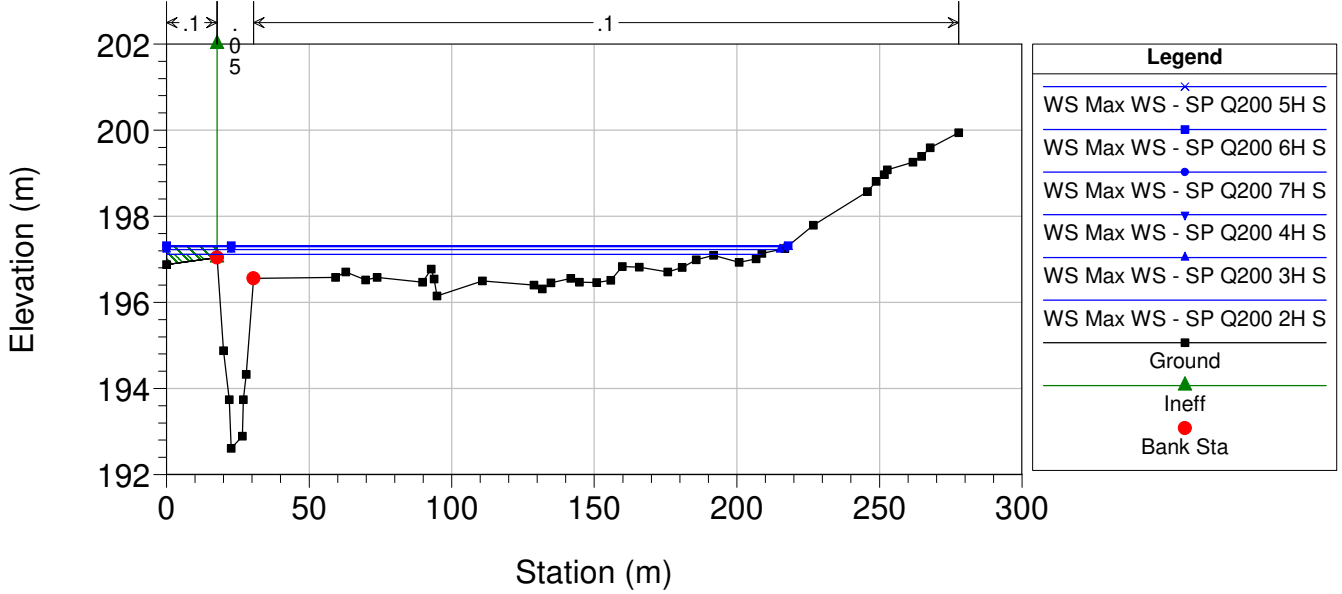
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 4 RS = 20



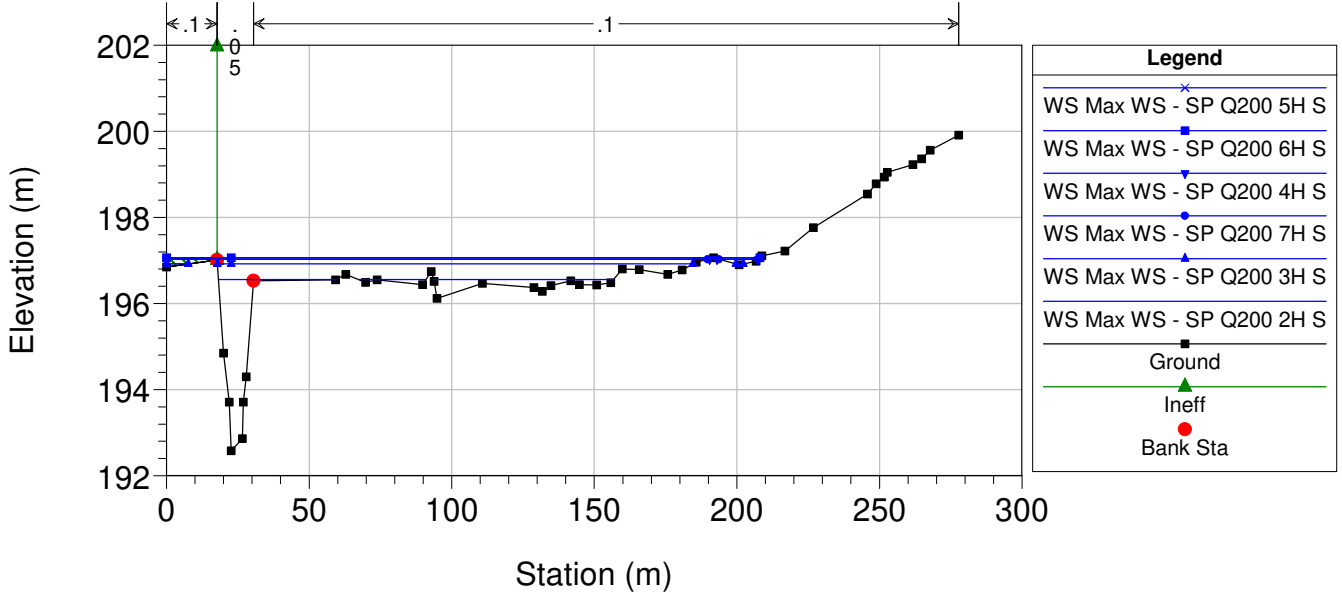
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 4 RS = 10



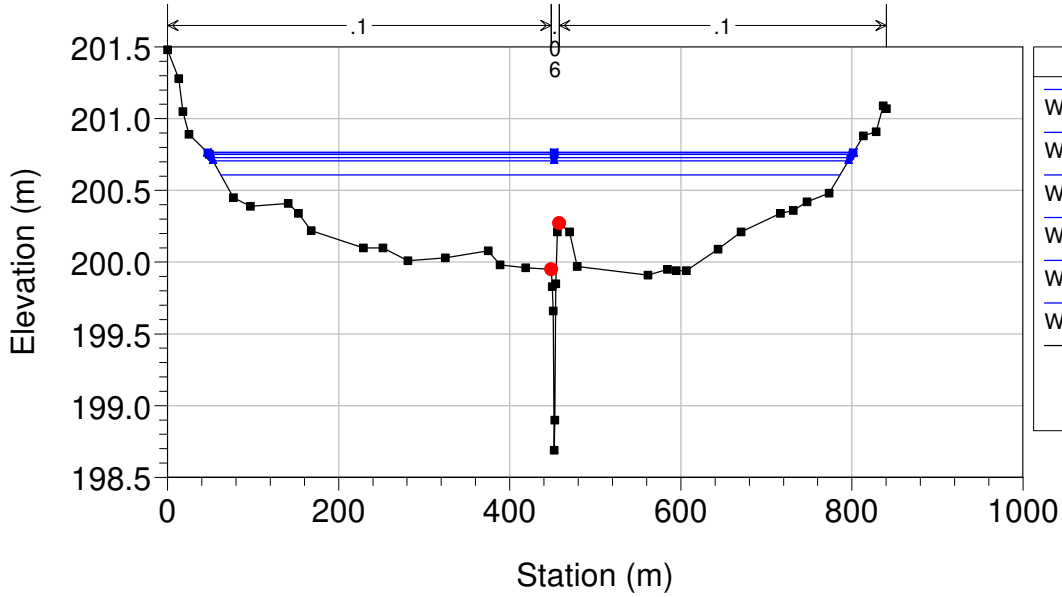
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Rigo Reach = Tratto 4 RS = 5



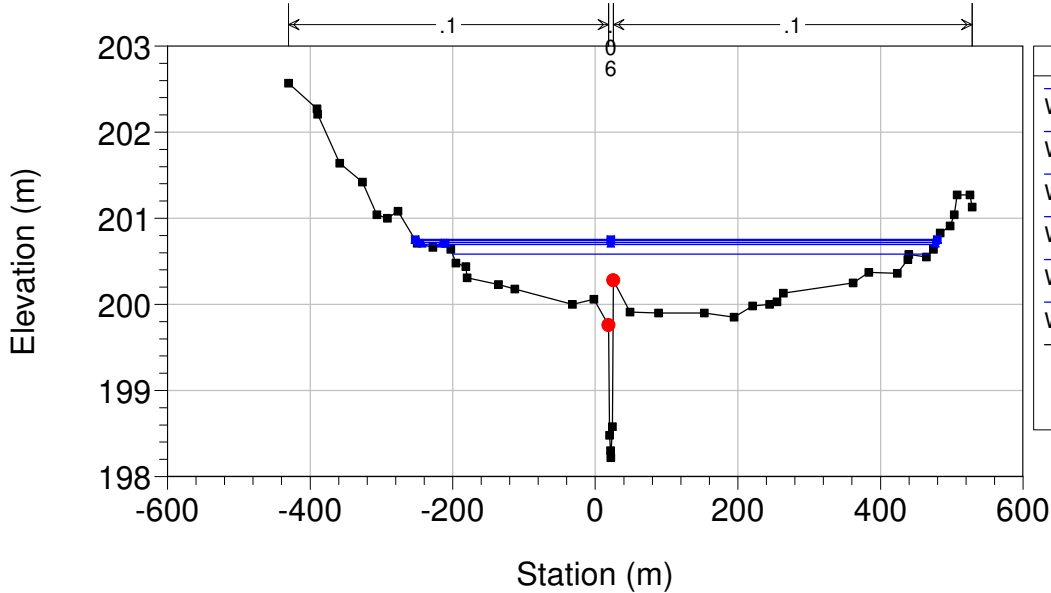
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 80



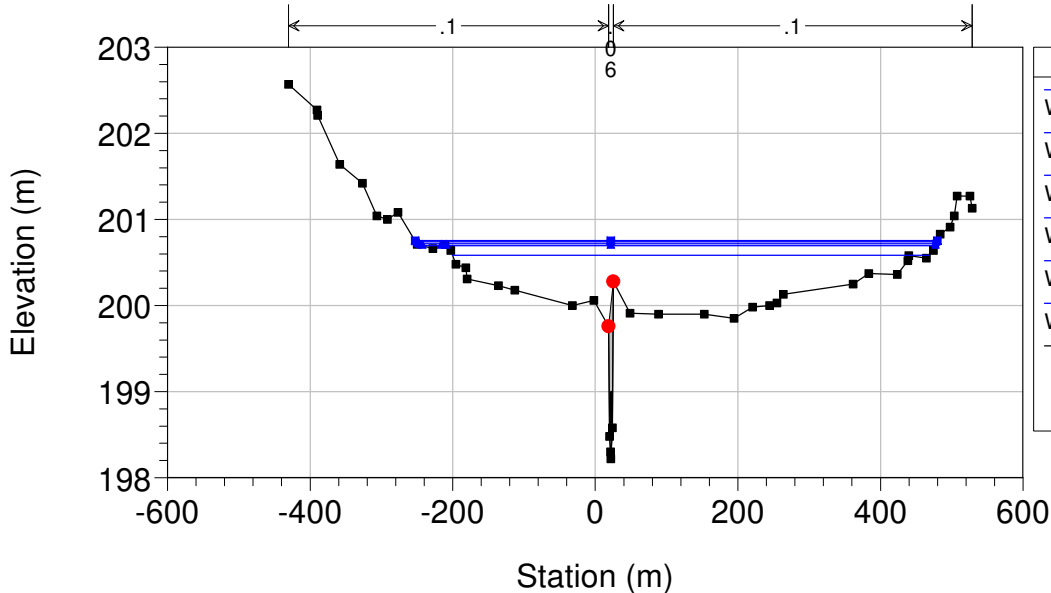
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 75



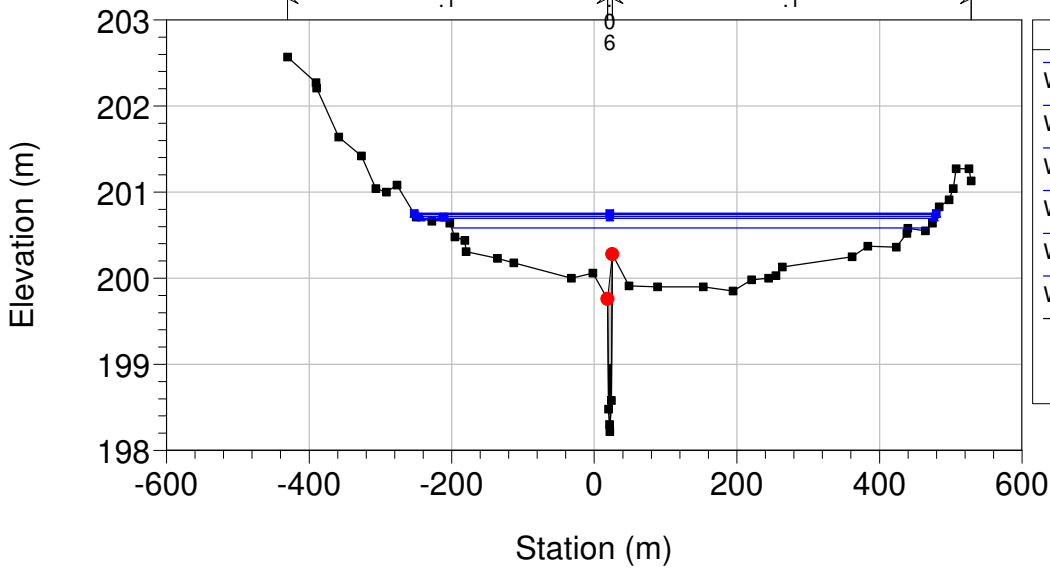
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 72 Culv



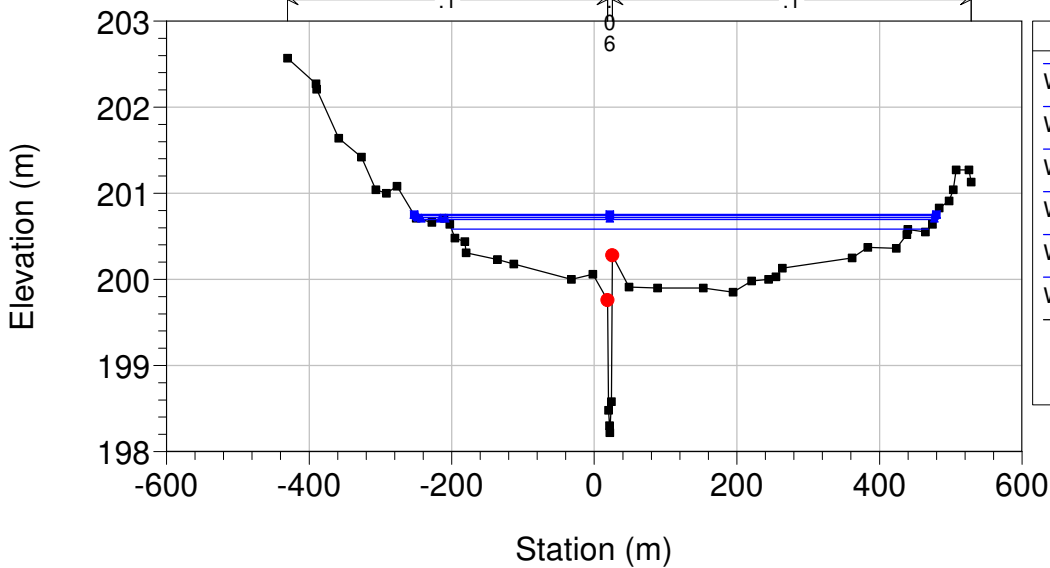
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 72 Culv



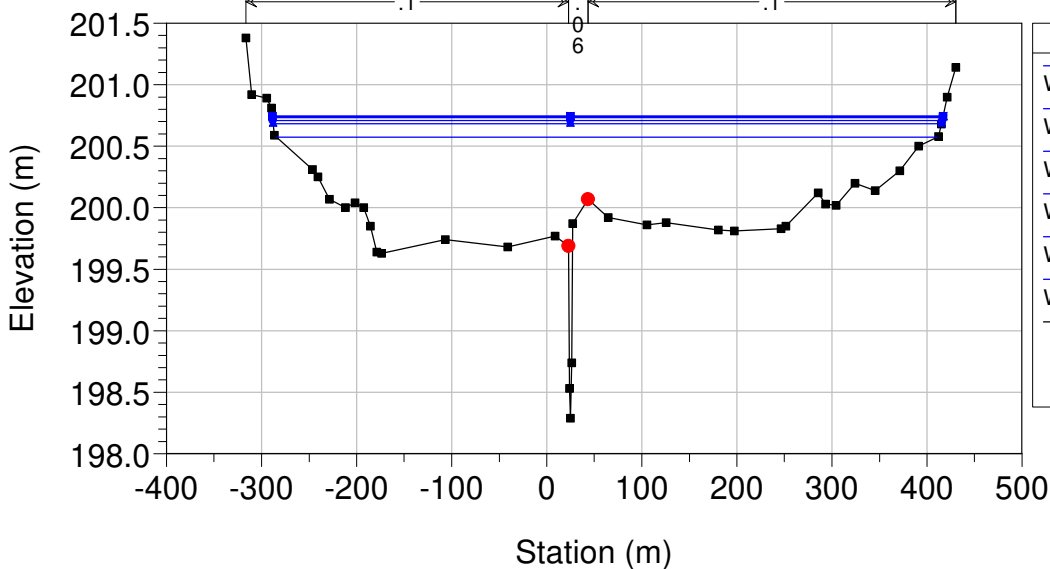
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 70



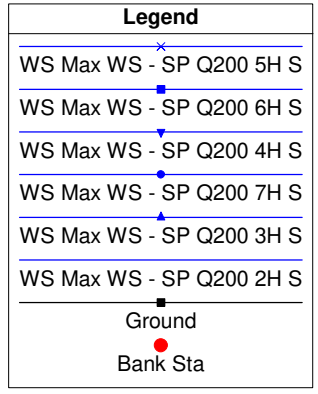
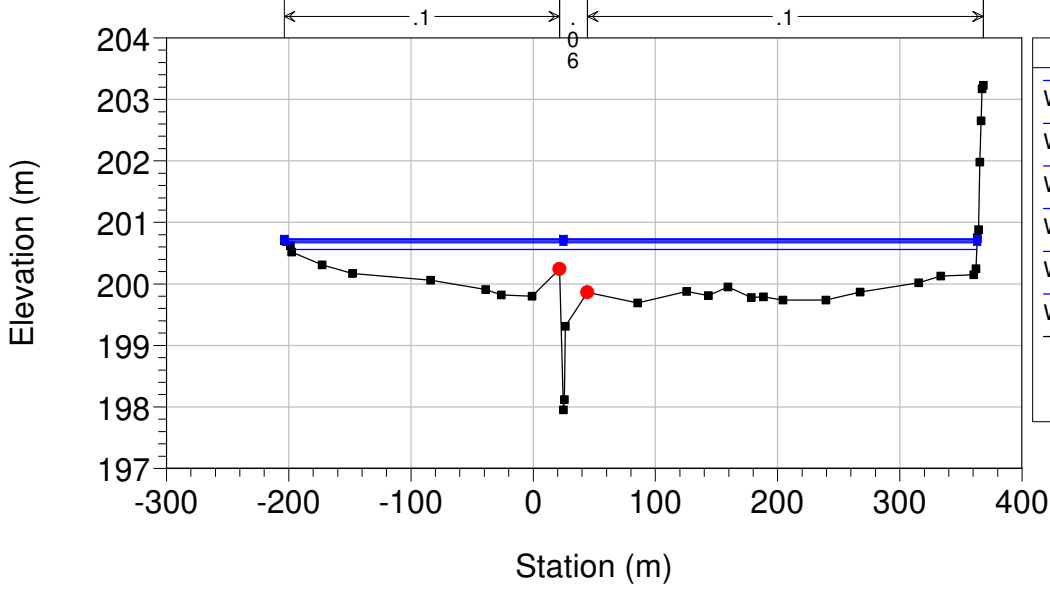
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 60



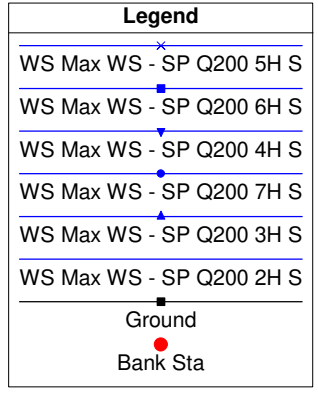
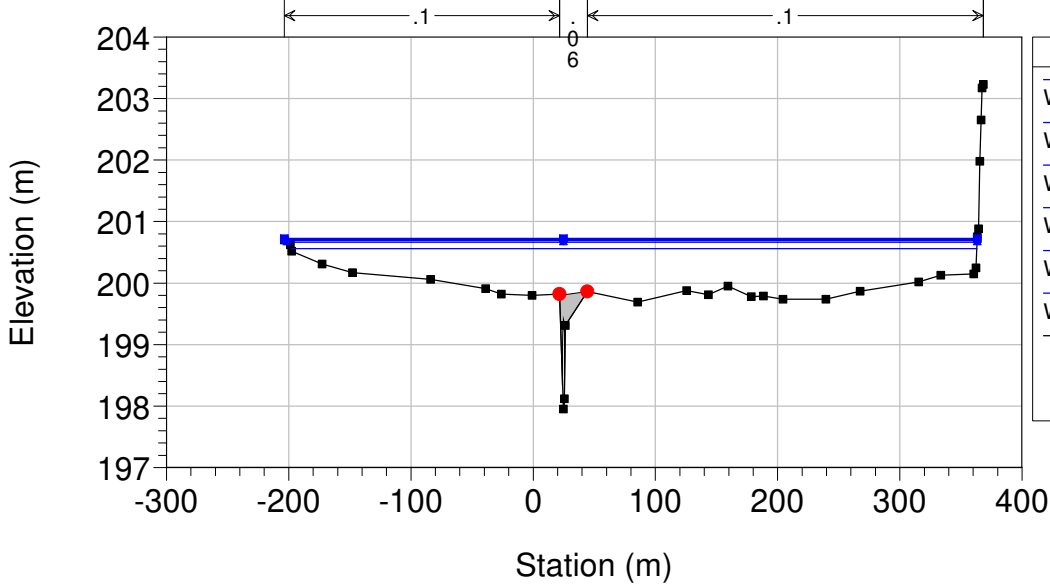
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 50



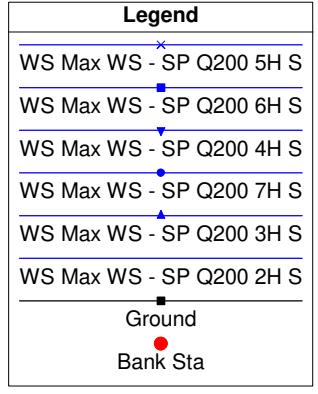
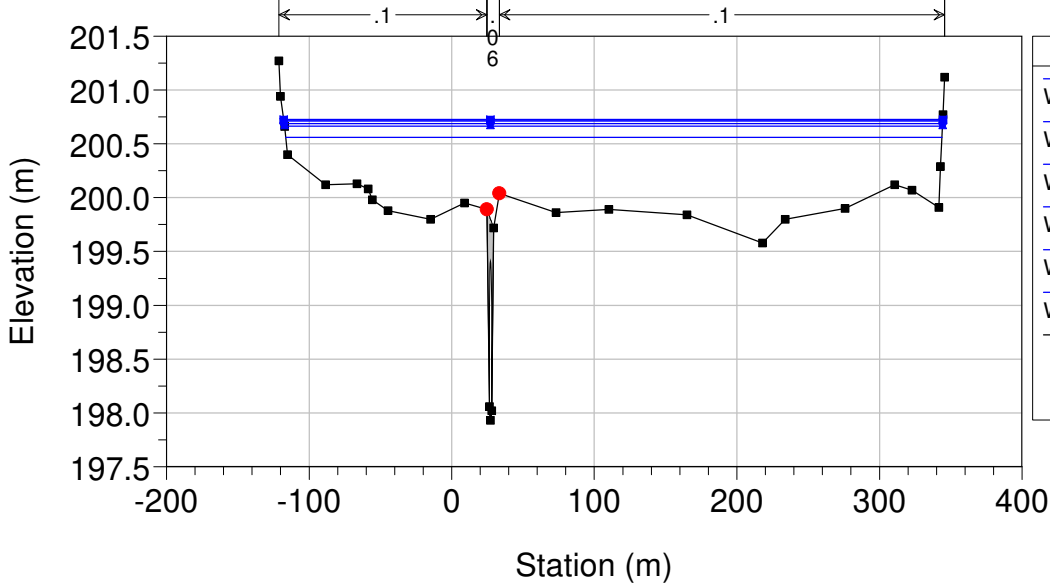
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 45 BR



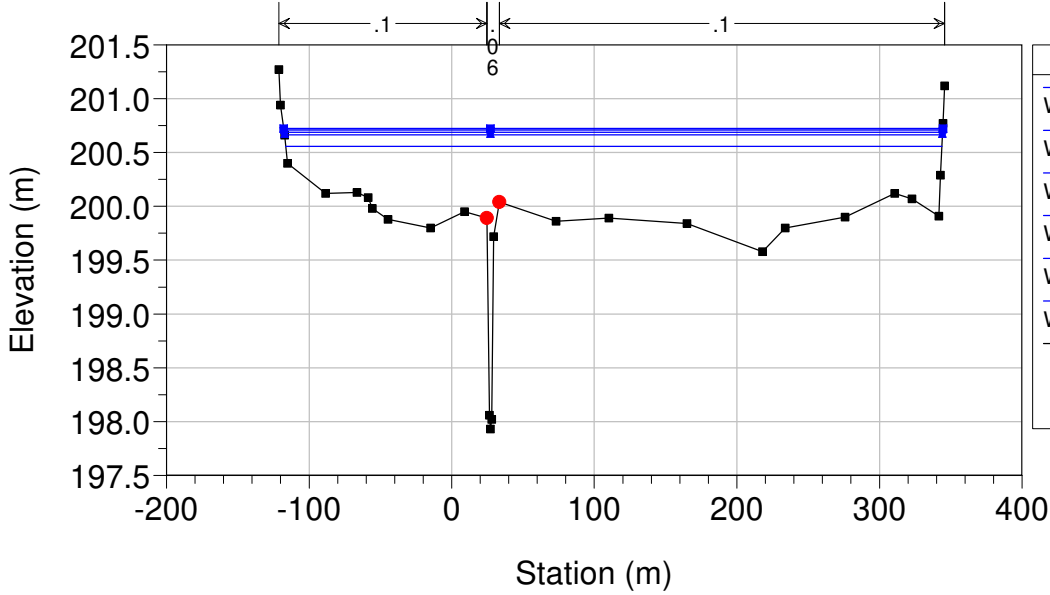
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 45 BR



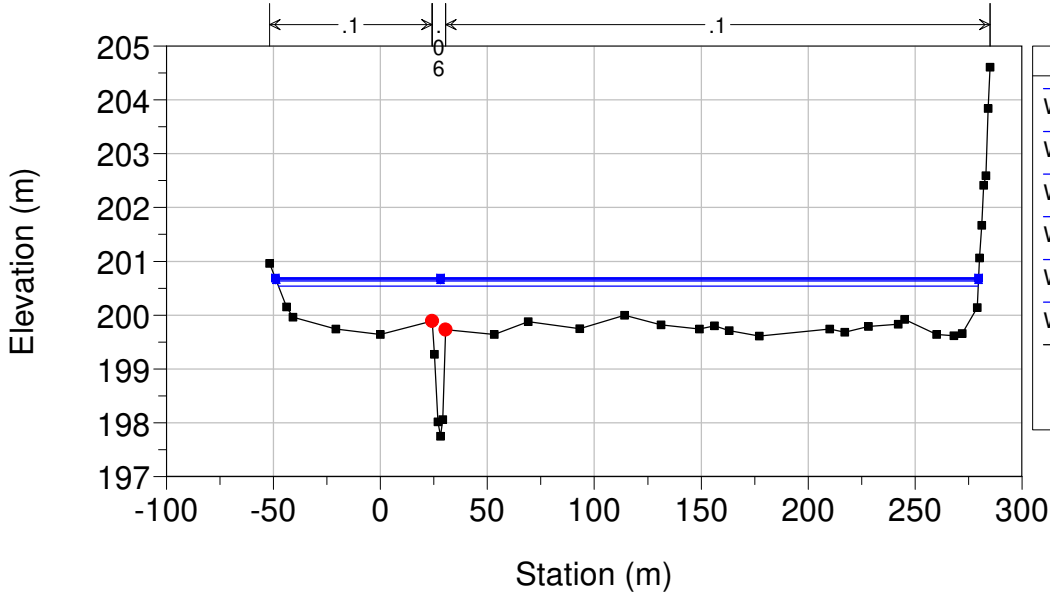
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 40



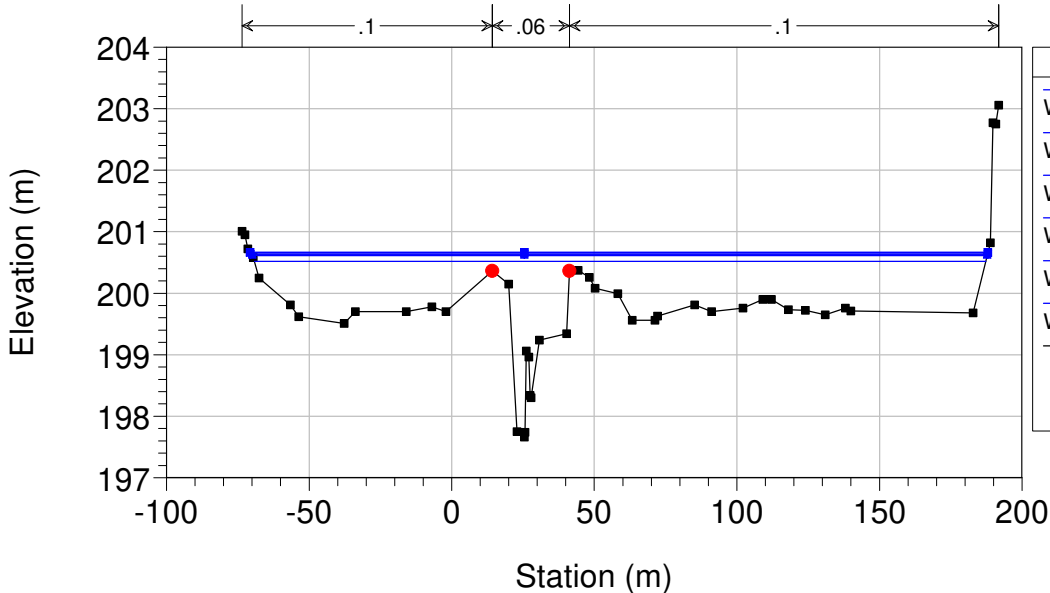
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 30



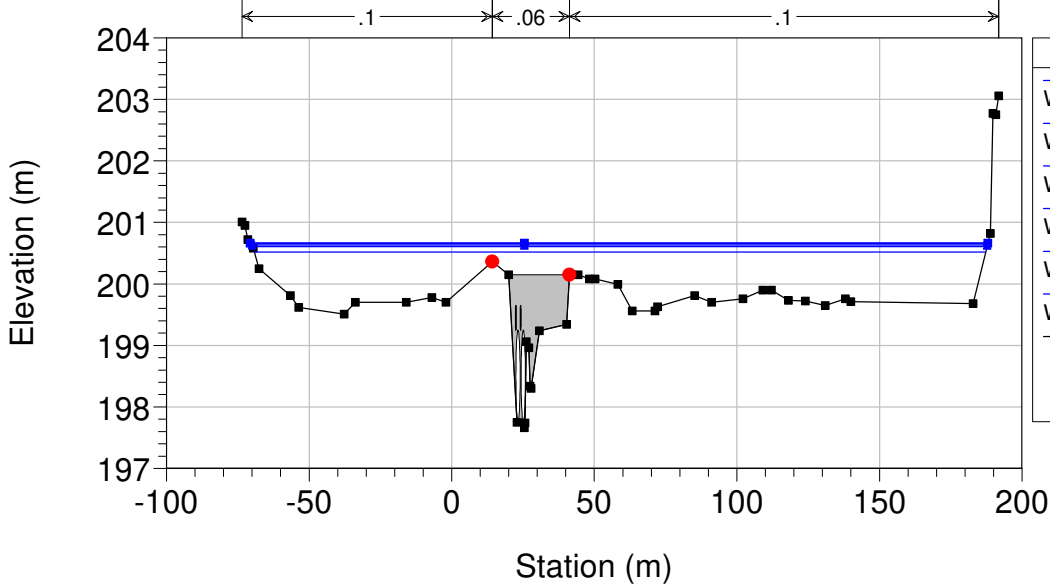
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River = Fosso Canale Reach = Fosso di Canale RS = 20



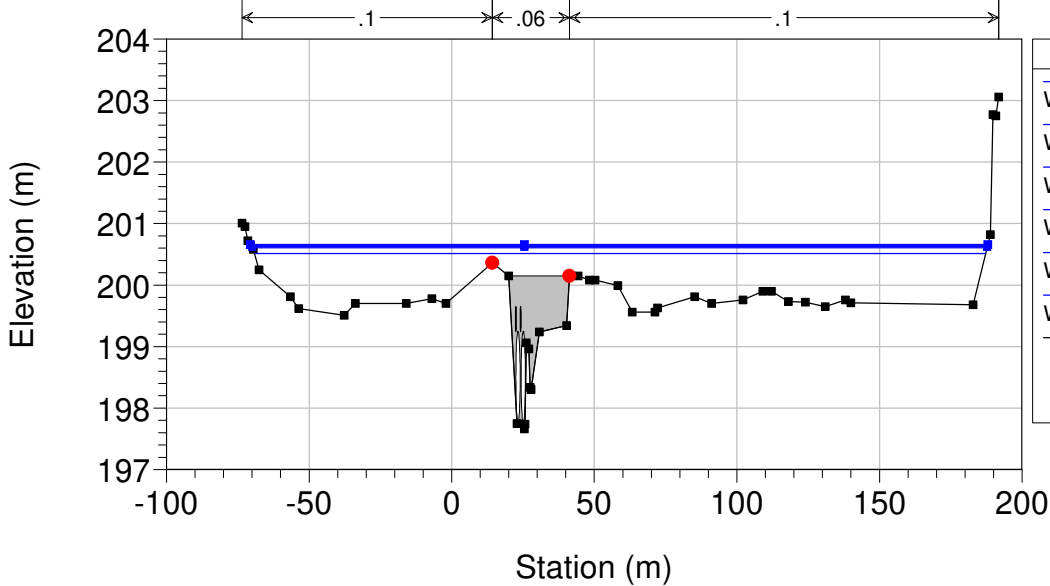
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 19 Culv



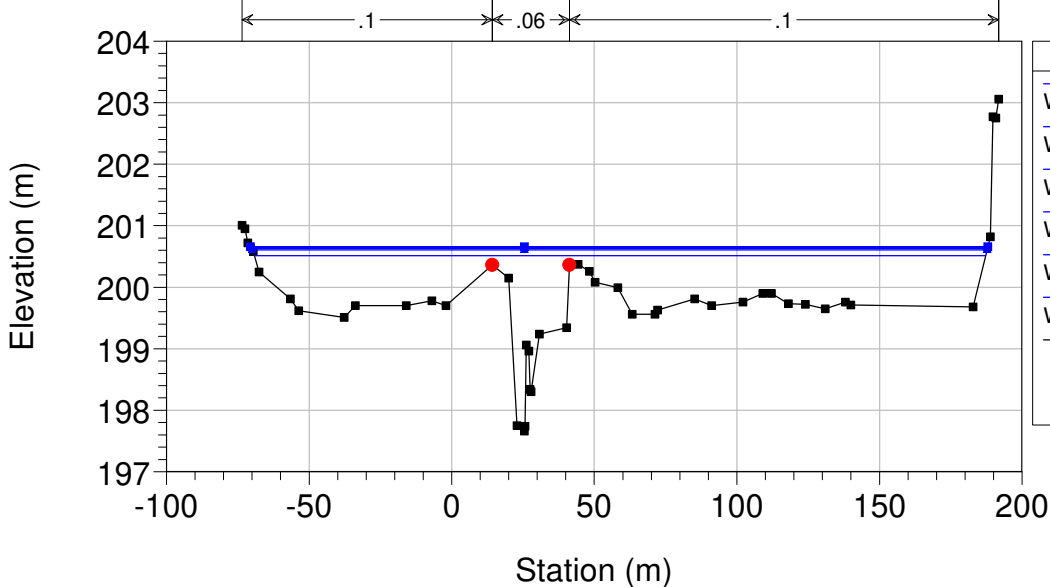
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 19 Culv



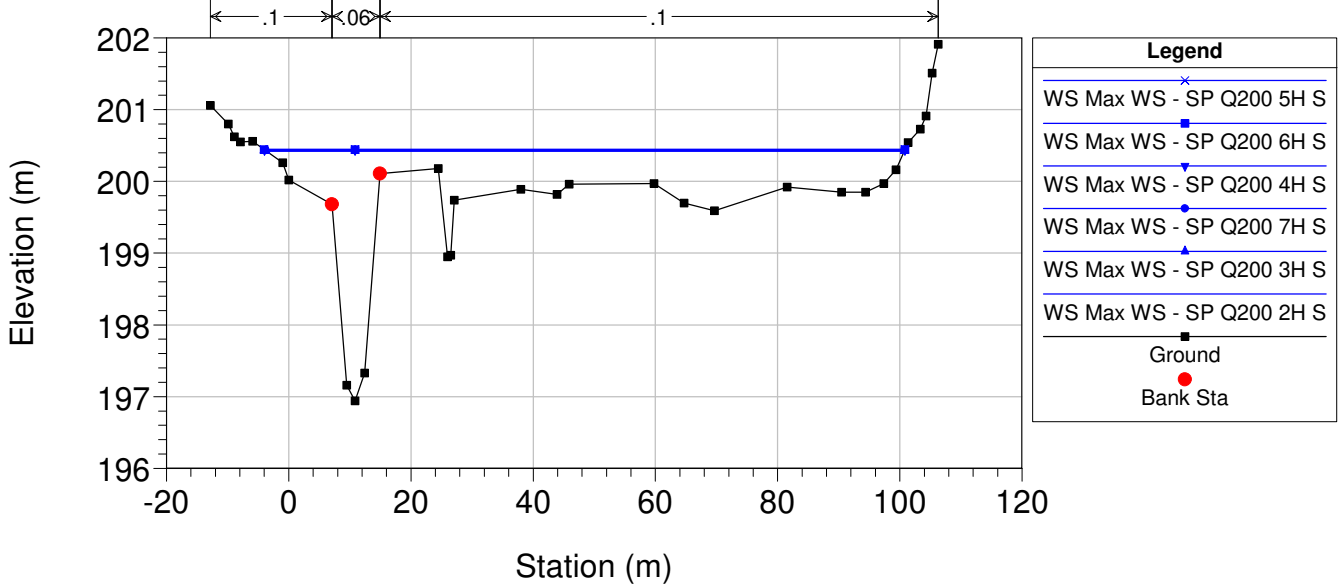
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 18



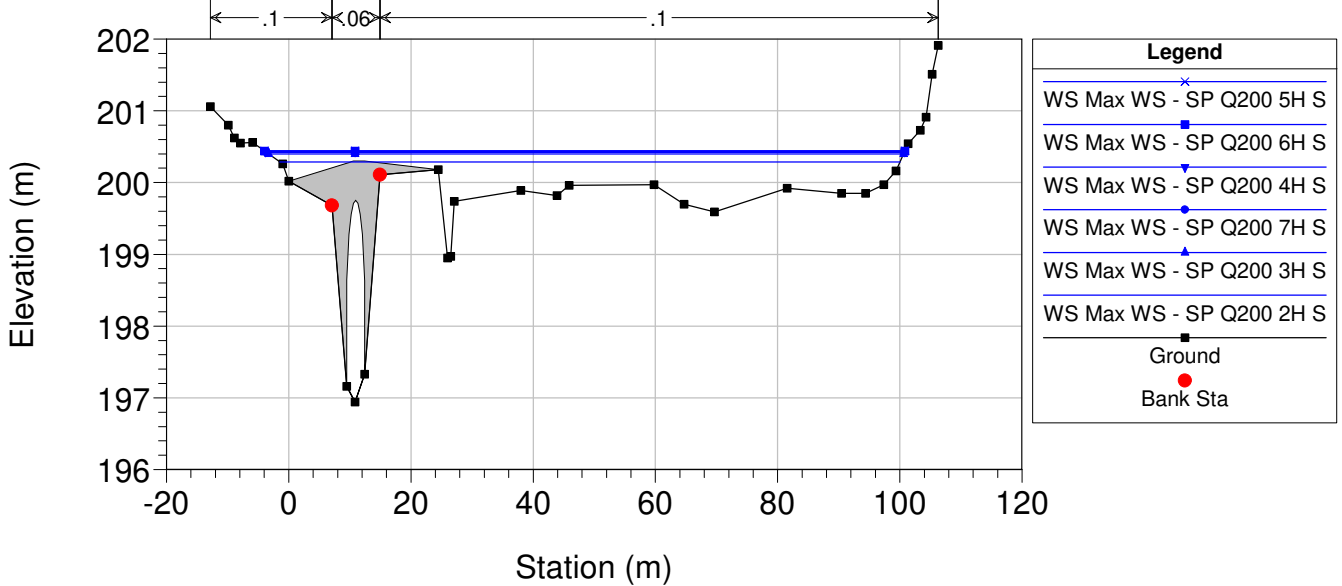
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 15



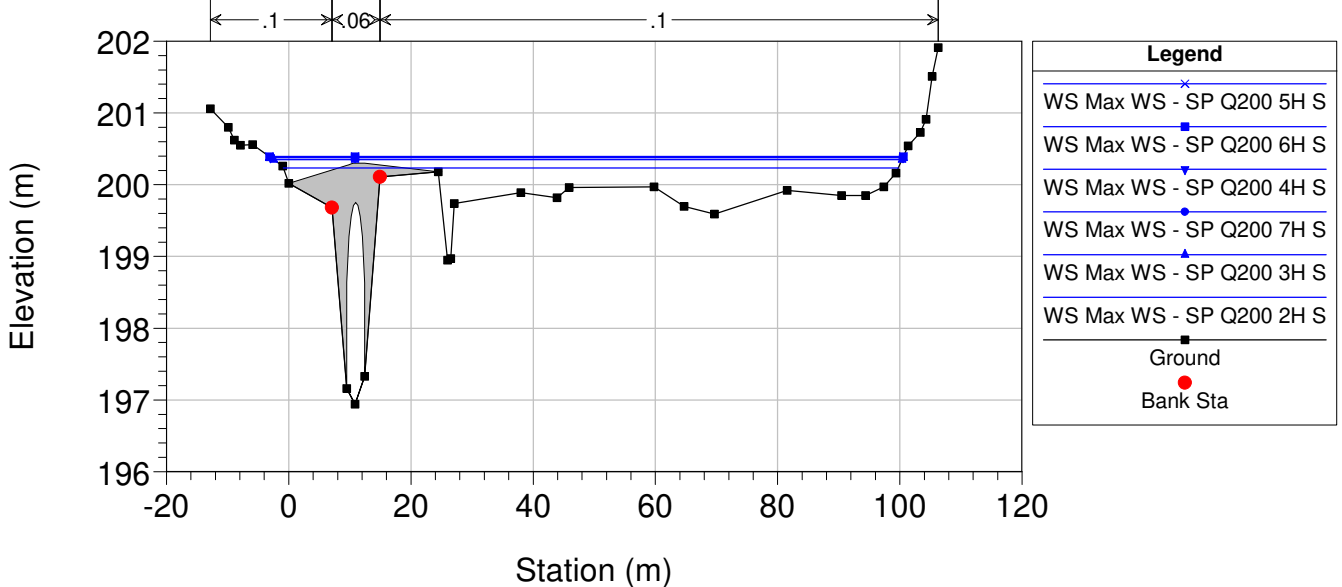
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 12.5 BR



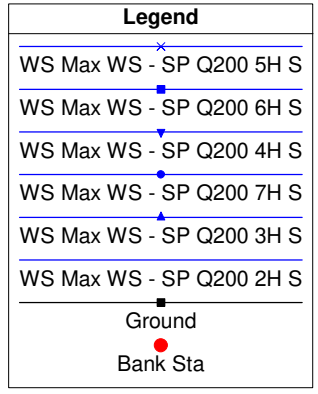
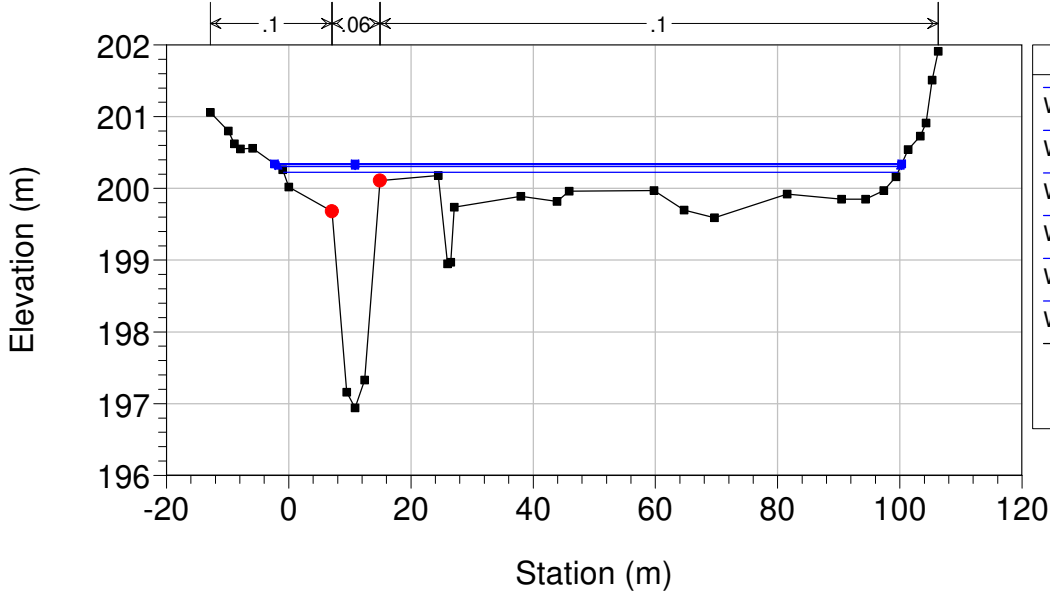
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 12.5 BR



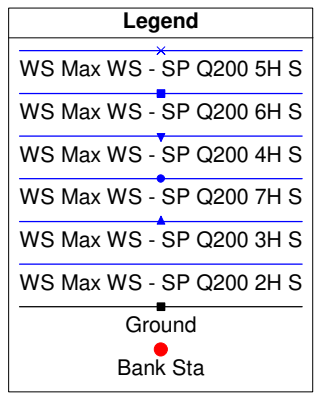
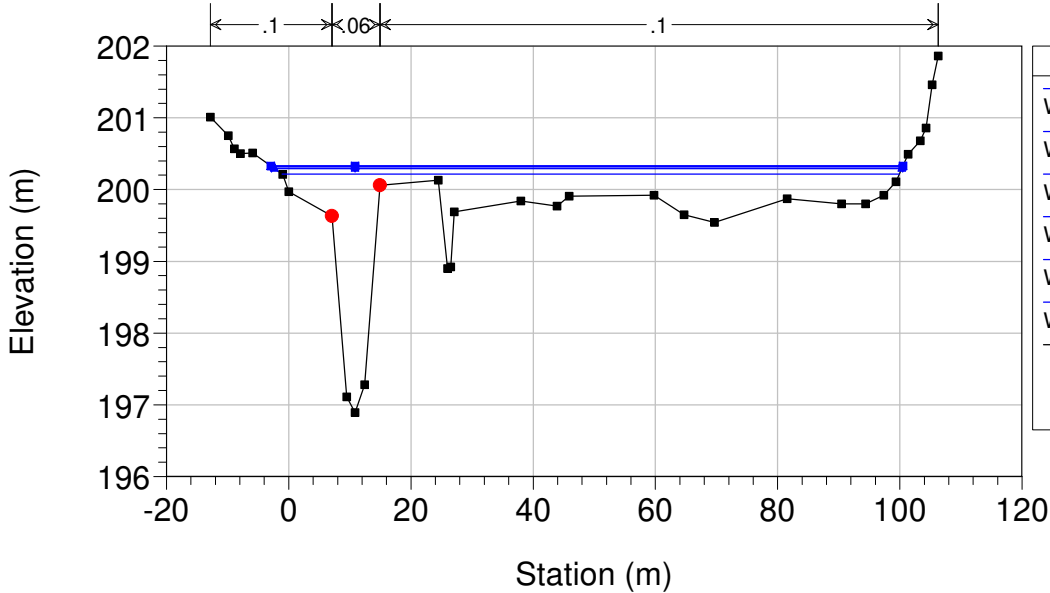
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Fosso Canale Reach = Fosso di Canale RS = 10



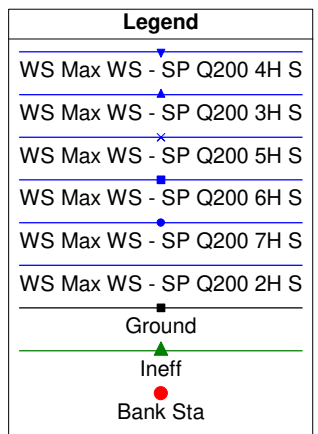
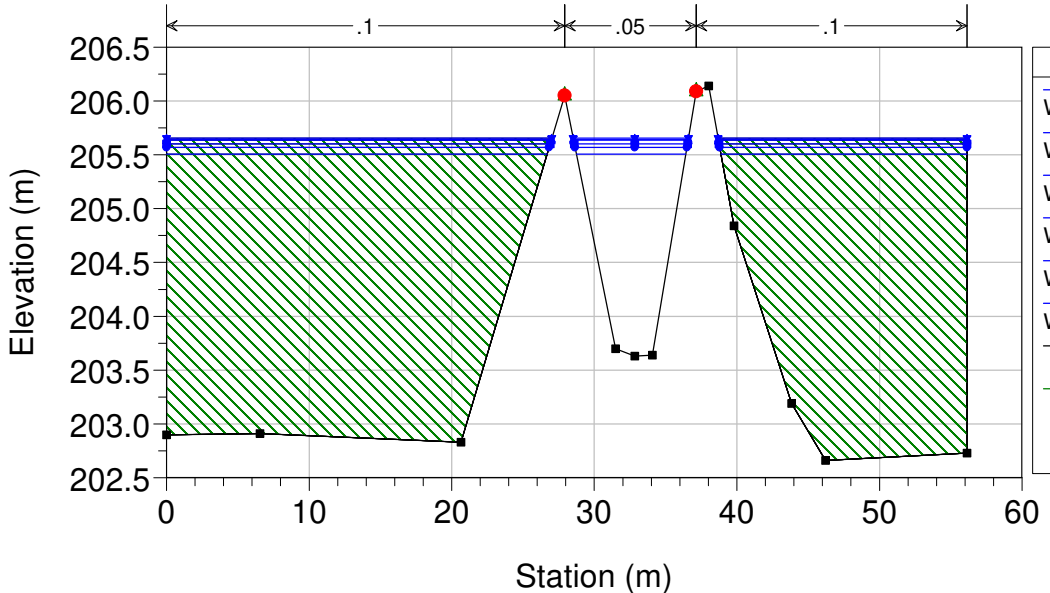
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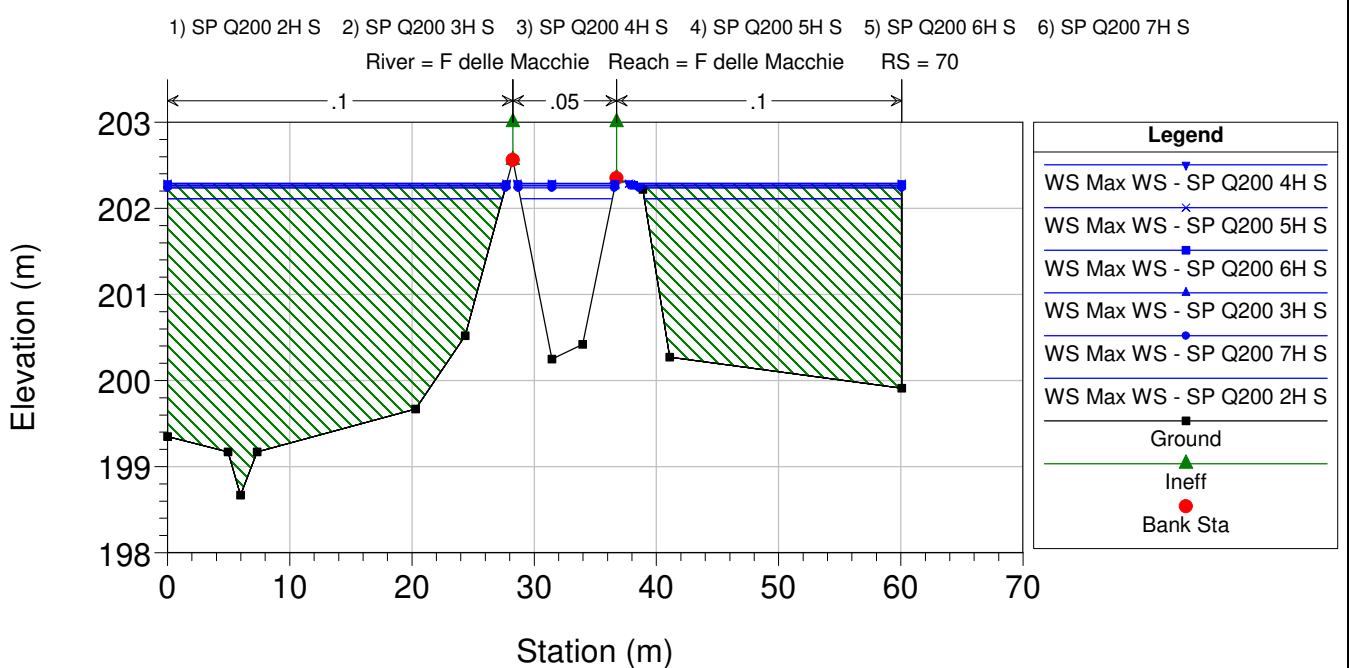
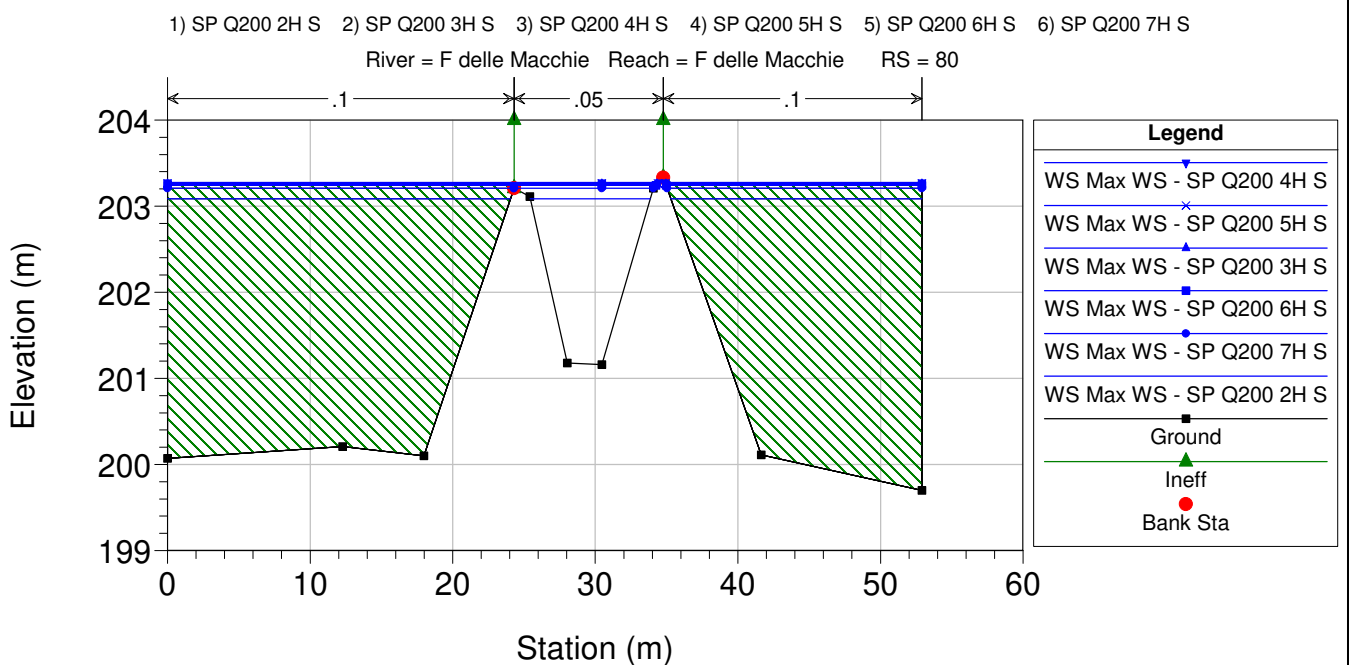
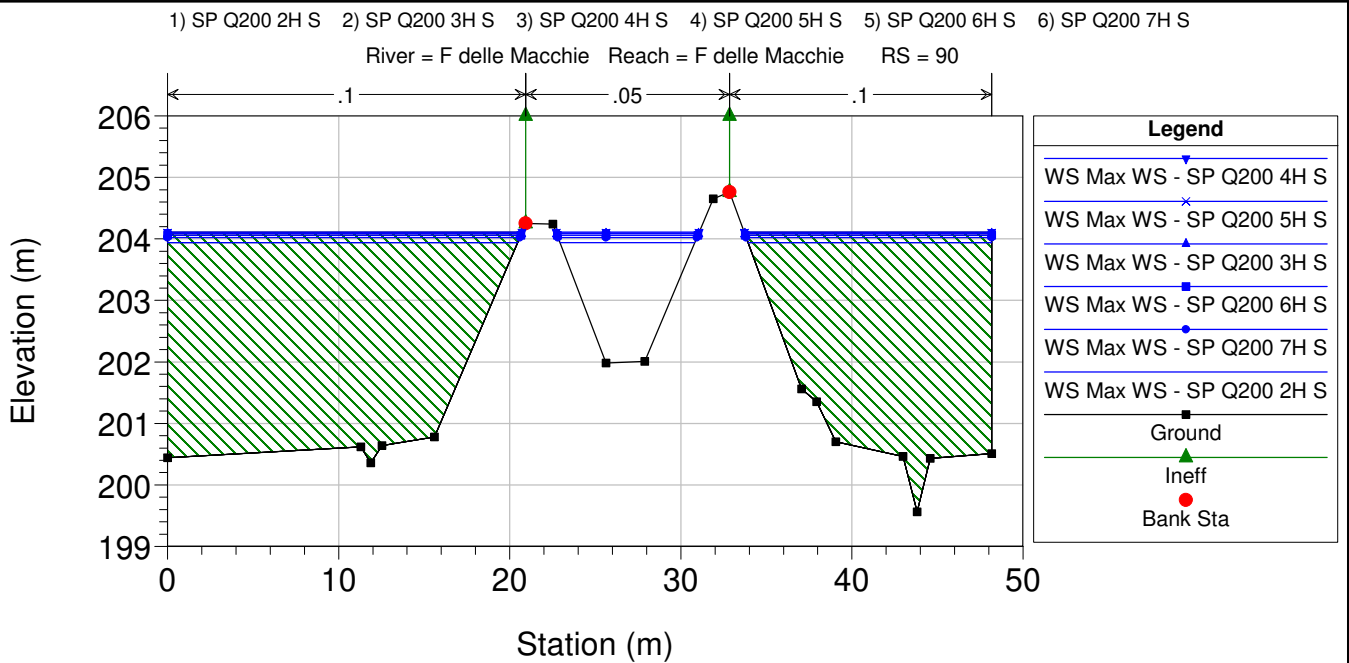
River = Fosso Canale Reach = Fosso di Canale RS = 5

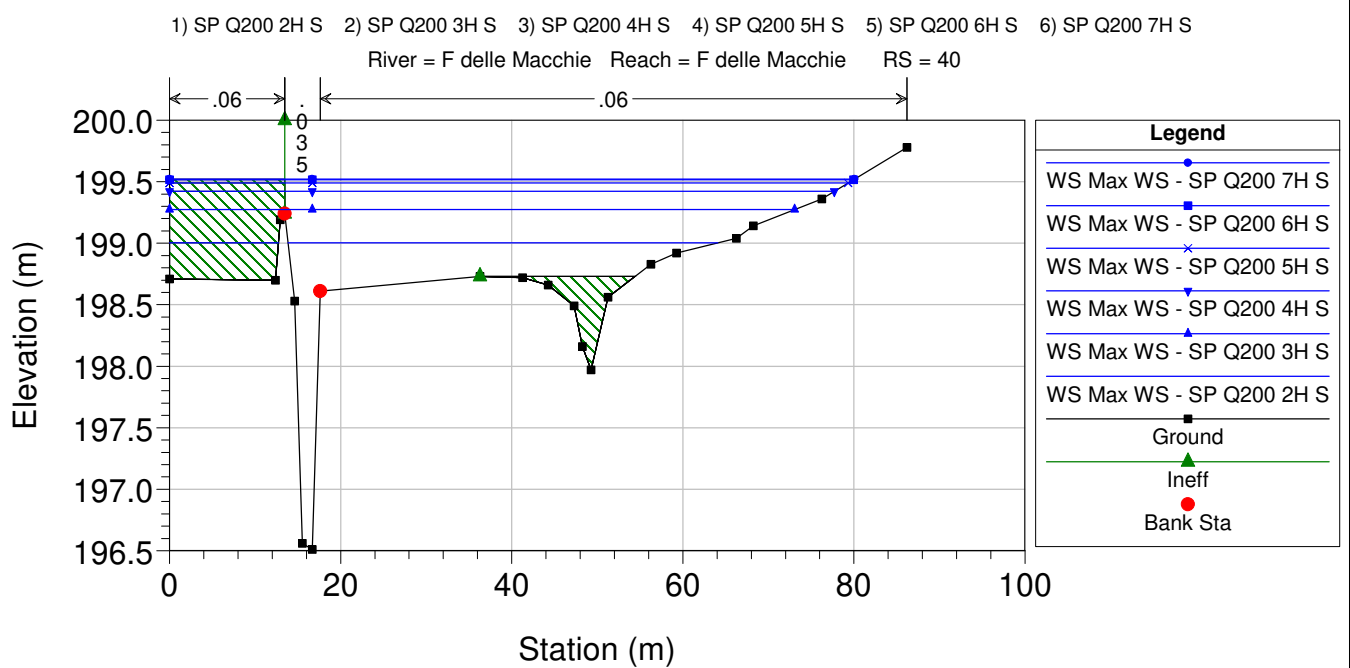
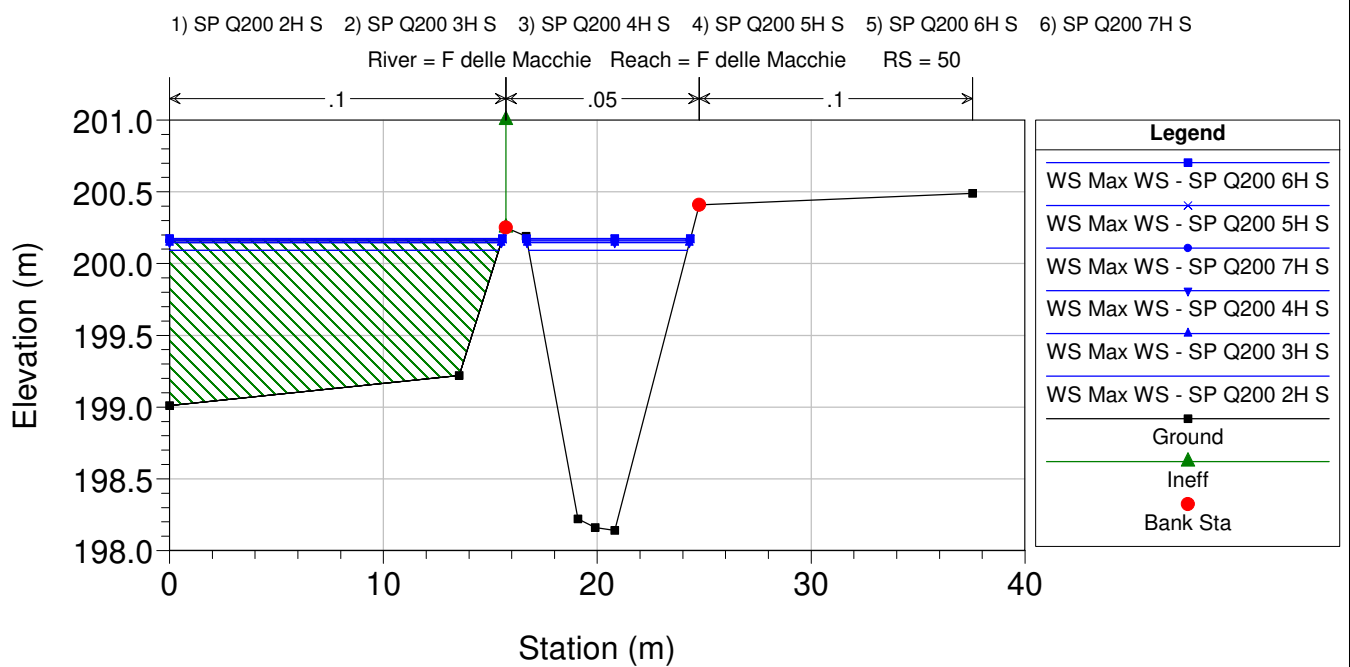
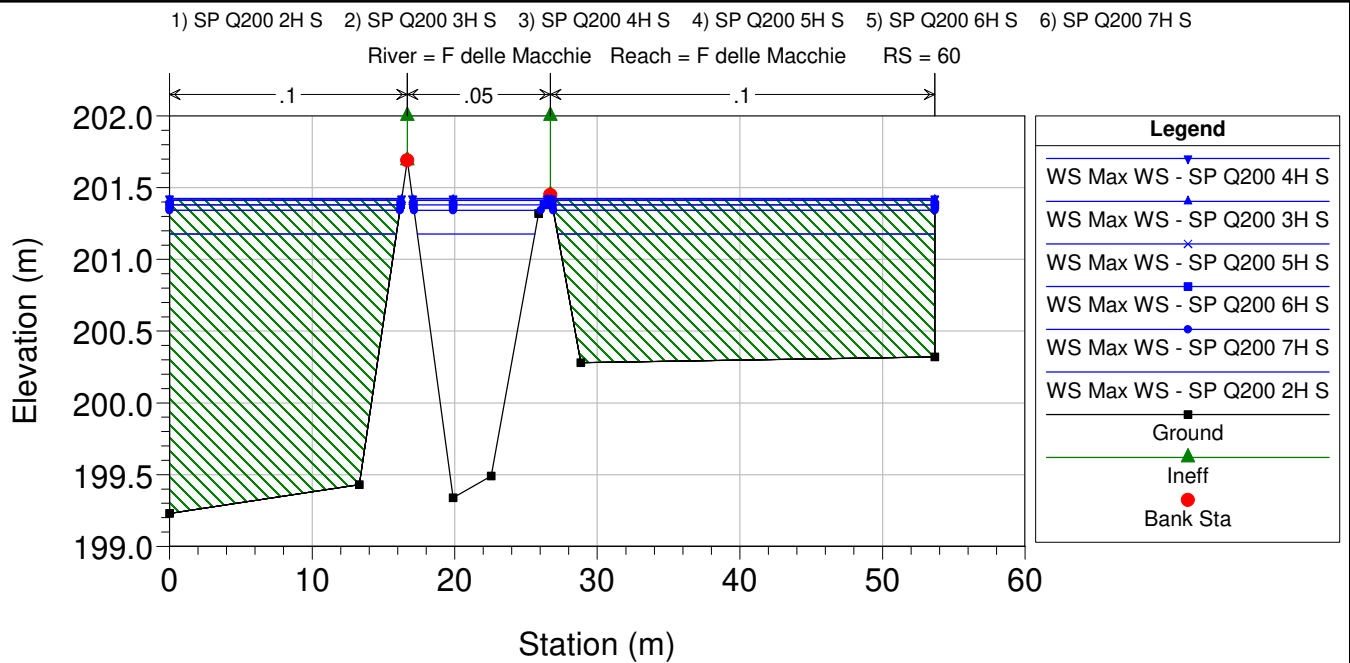


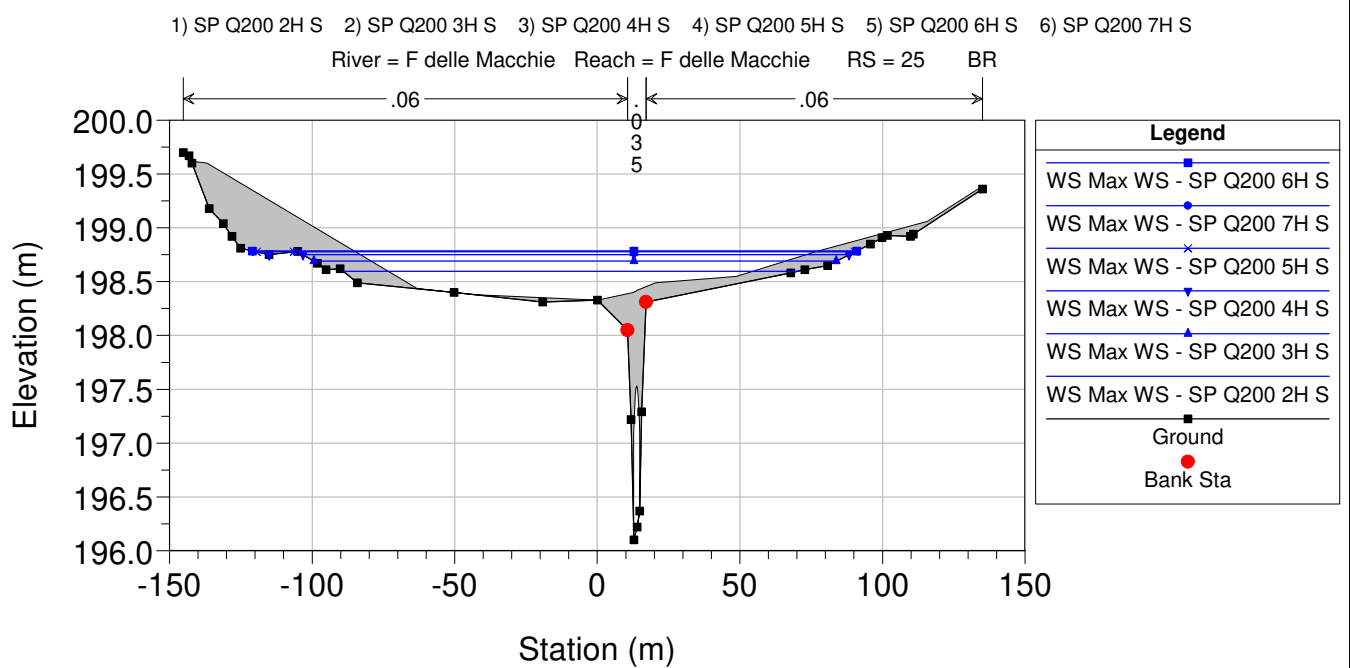
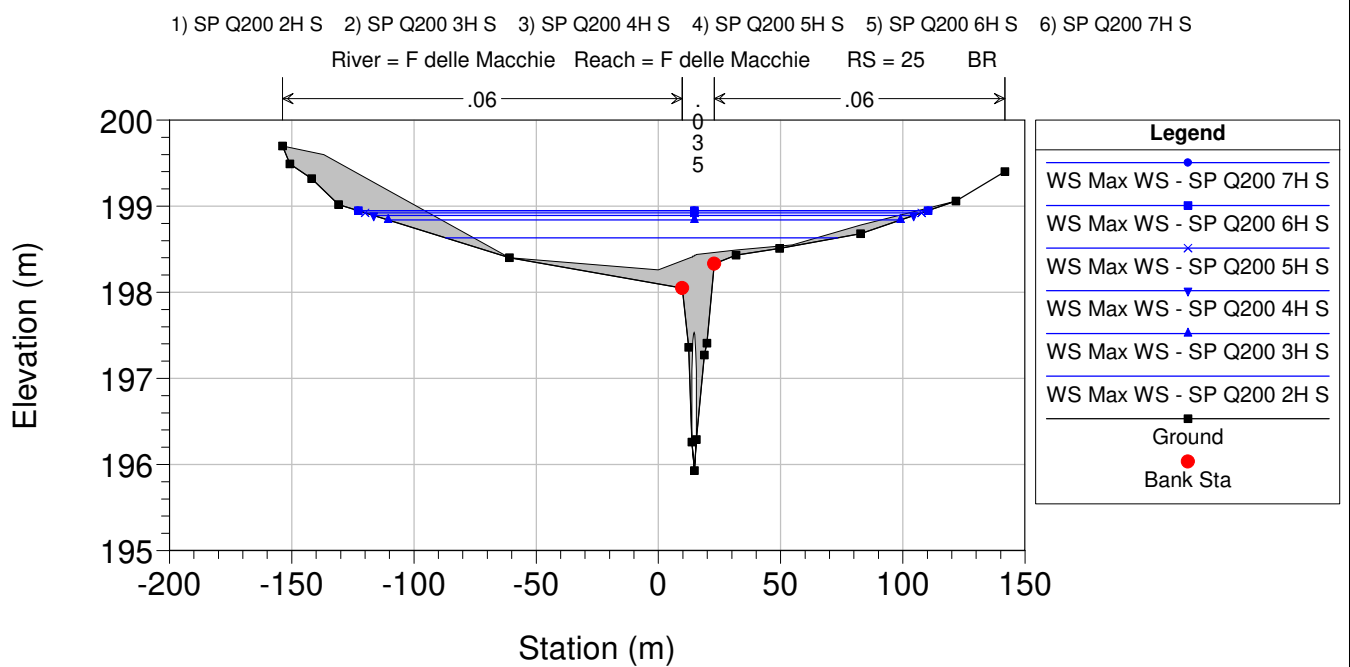
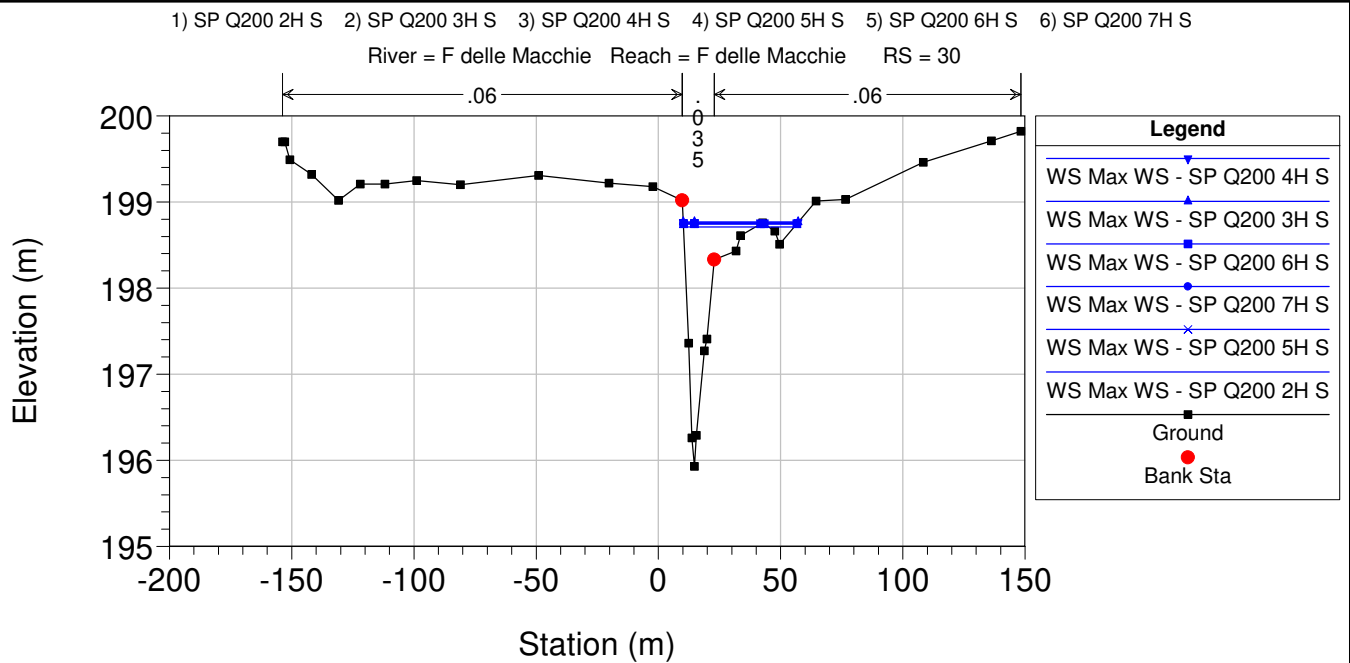
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = F delle Macchie Reach = F delle Macchie RS = 100



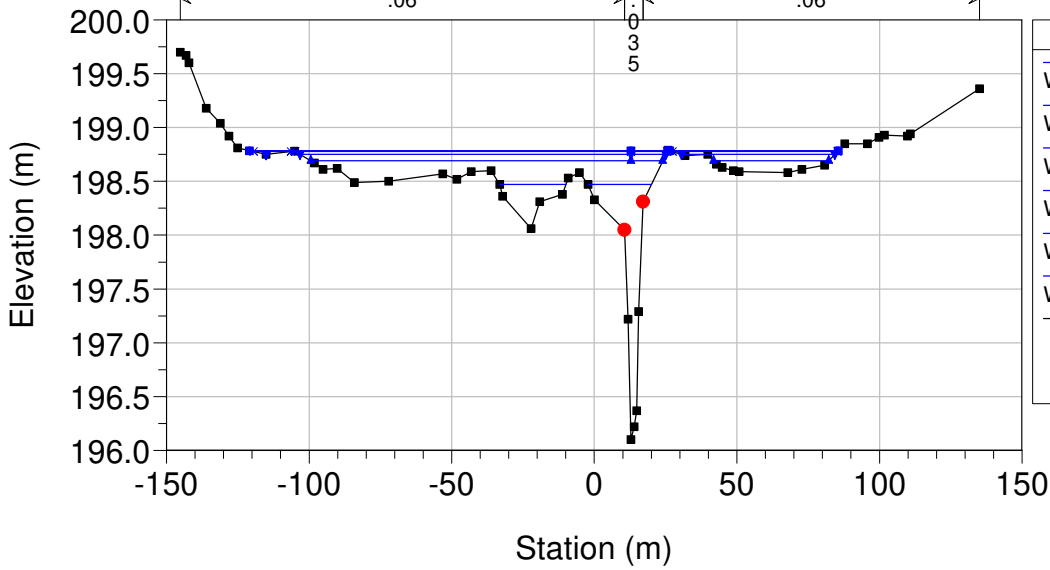






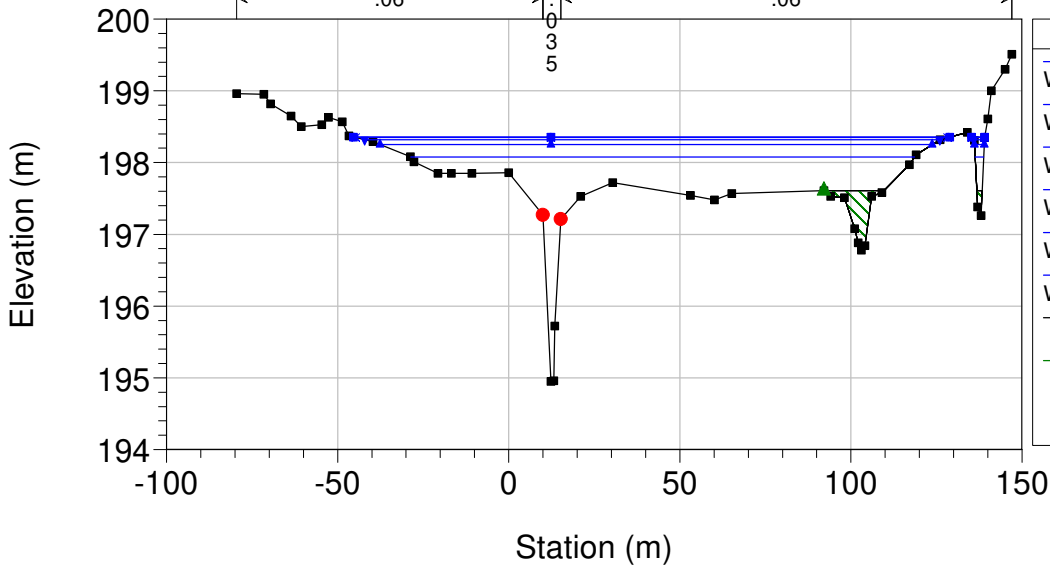
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = F delle Macchie Reach = F delle Macchie RS = 20



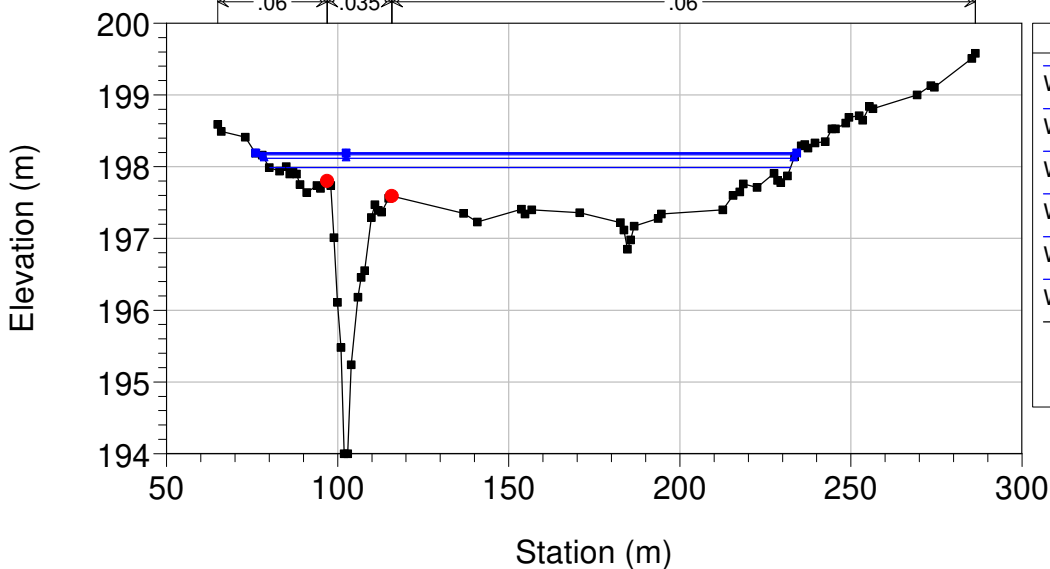
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = F delle Macchie Reach = F delle Macchie RS = 10



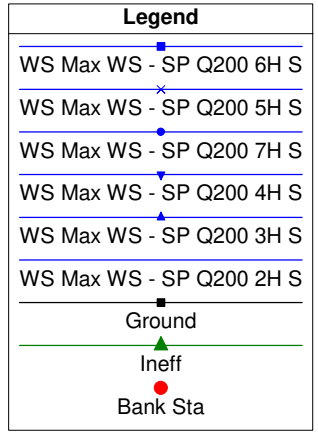
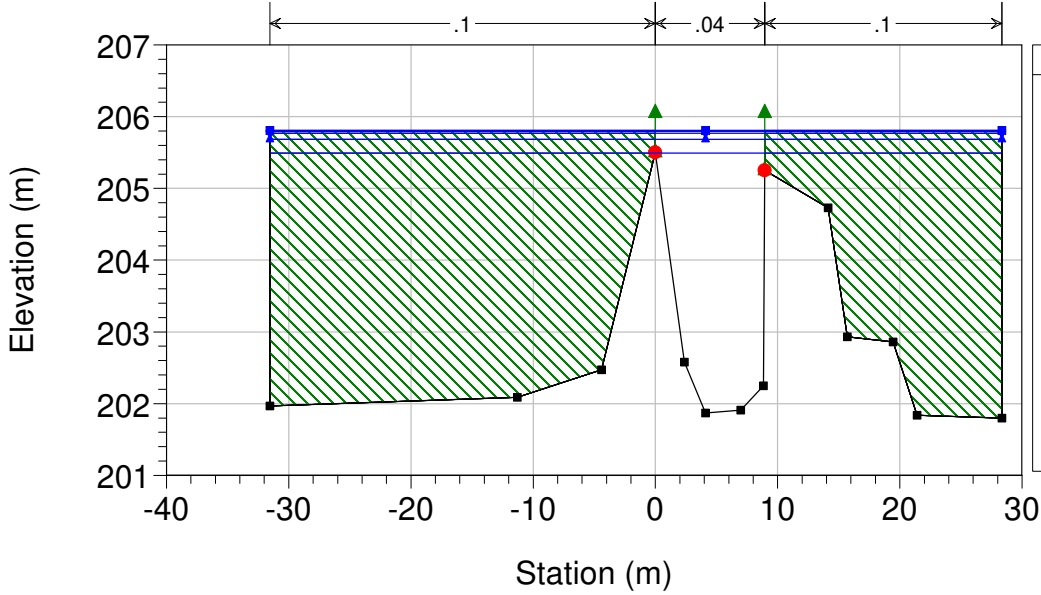
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = F delle Macchie Reach = F delle Macchie RS = 5



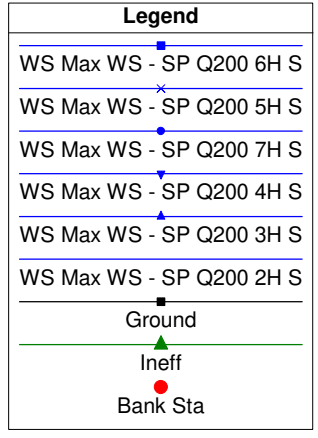
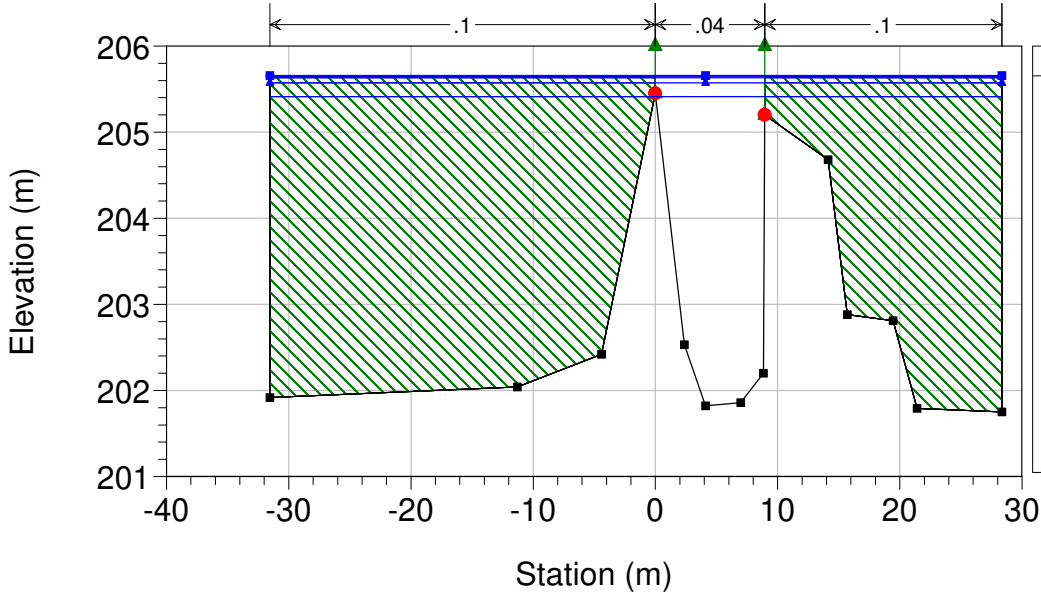
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Arnano Reach = Fosso Arnano RS = 340



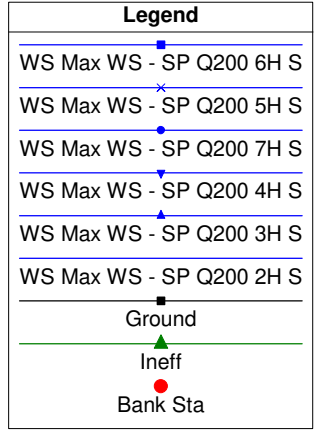
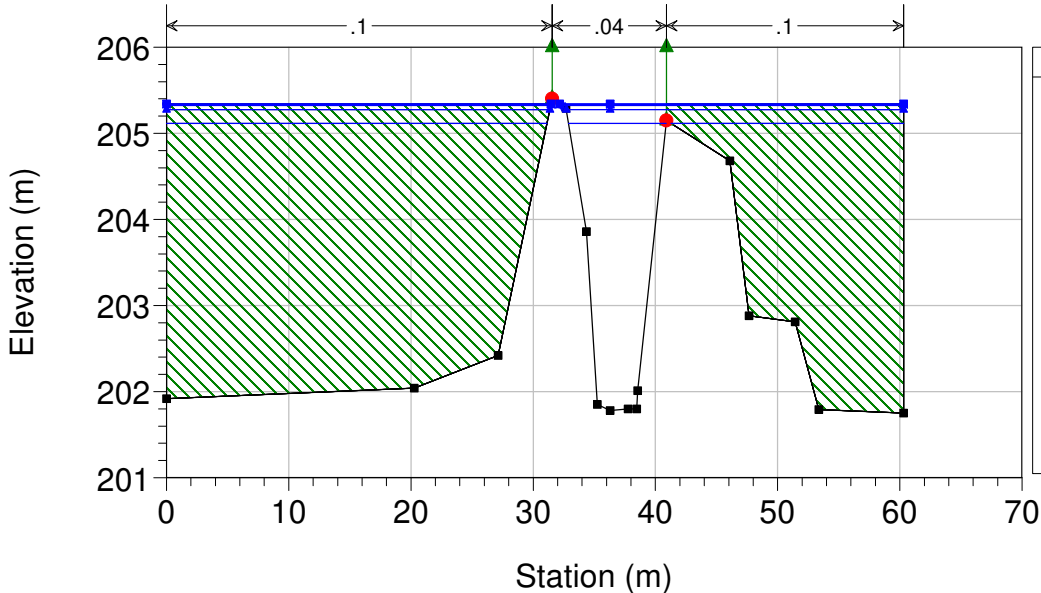
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River = Arnano Reach = Fosso Arnano RS = 339



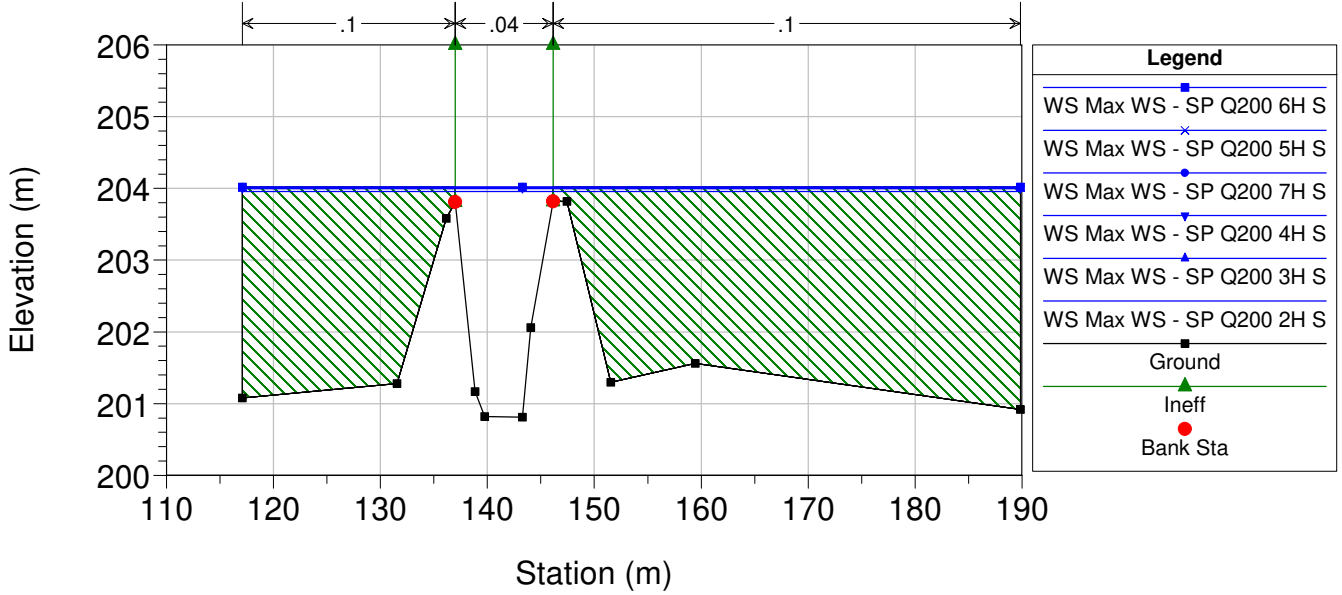
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River = Arnano Reach = Fosso Arnano RS = 330



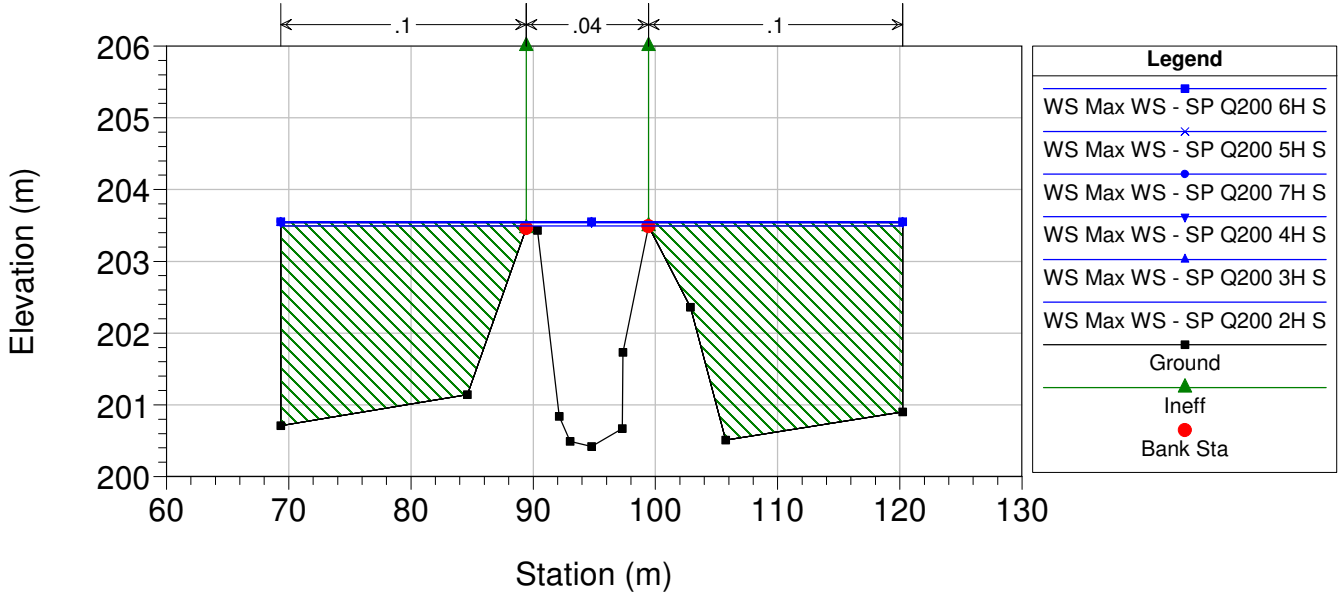
1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Arnano Reach = Fosso Arnano RS = 320



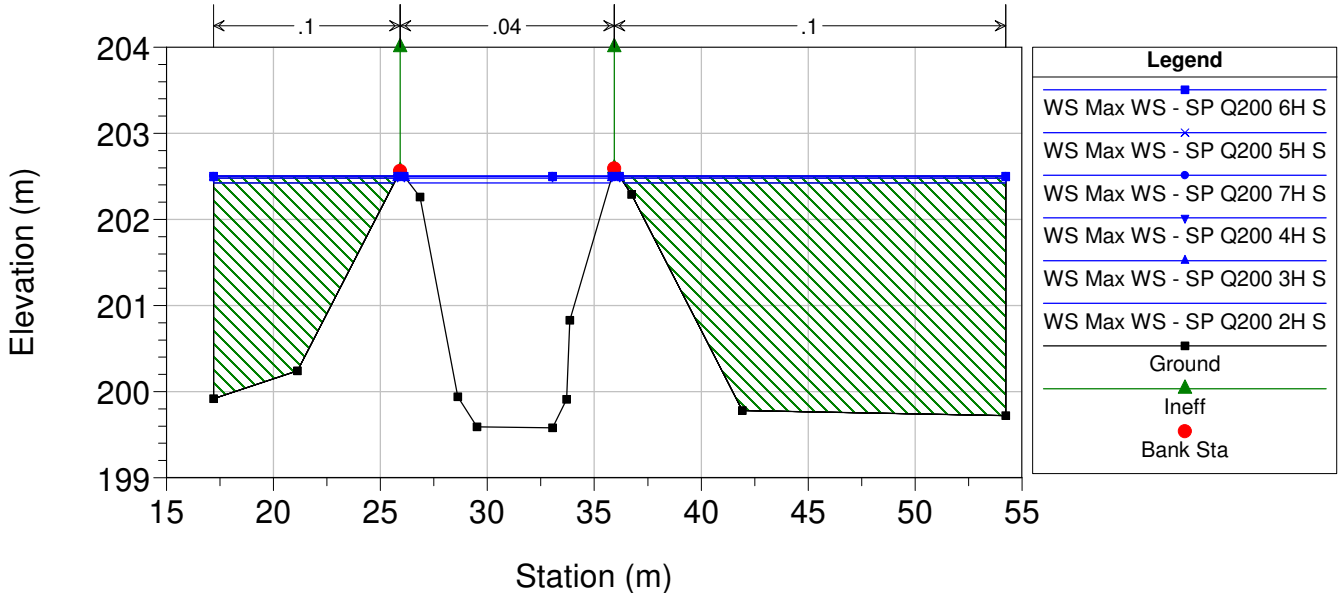
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River = Arnano Reach = Fosso Arnano RS = 311



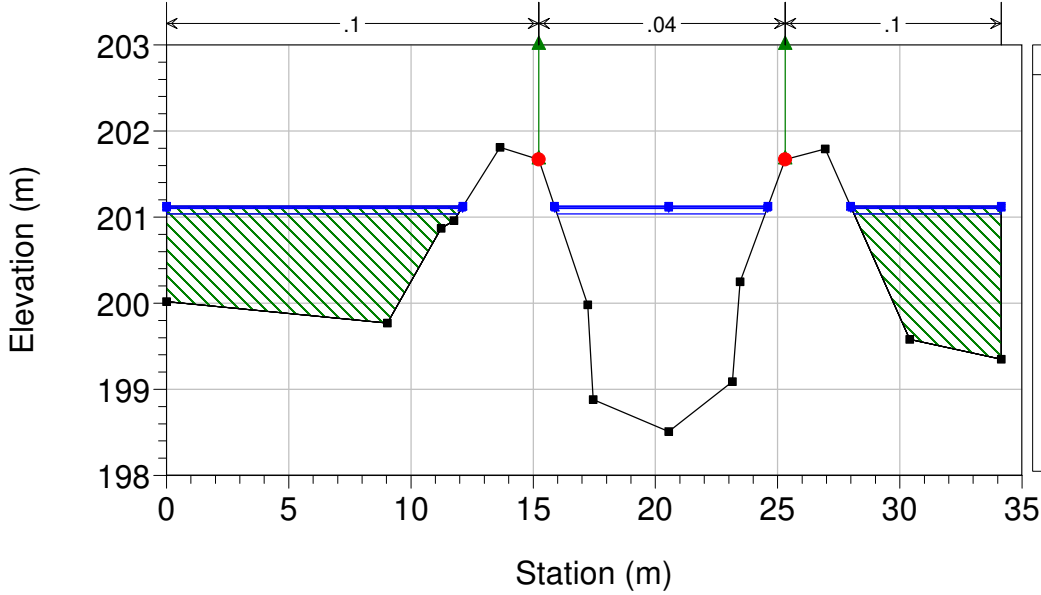
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River = Arnano Reach = Fosso Arnano RS = 300



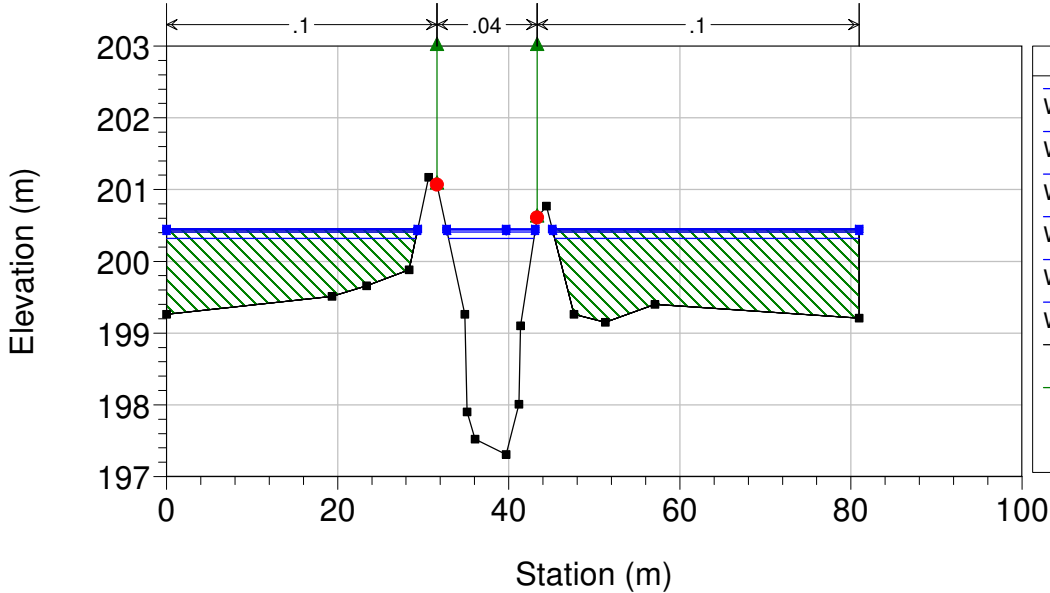
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River = Arnano Reach = Fosso Arnano RS = 290



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Arnano Reach = Fosso Arnano RS = 285



1) SP Q200 2H S 2) SP Q200 3H S 3) SP Q200 4H S 4) SP Q200 5H S 5) SP Q200 6H S 6) SP Q200 7H S

River = Arnano Reach = Fosso Arnano RS = 280

