



COMUNE DI CASOLE D'ELSA

REGOLAMENTO URBANISTICO VARIANTE GENERALE

SINDACO

Piero Pii

ASSESSORE ALL'URBANISTICA

Andrea Pieragnoli

RESPONSABILE DEL PROCEDIMENTO

Responsabile Servizio Urbanistica Edilizia Privata

Arch. Valeria Capitani

COORDINAMENTO URBANISTICO

Arch. Alessandra Sara Blanco

Collaborazione

Rita Schirò

Giada Ticolini

VALUTAZIONE AMBIENTALE STRATEGICA

Ing. Simone Pagni

INDAGINI GEOLOGICHE

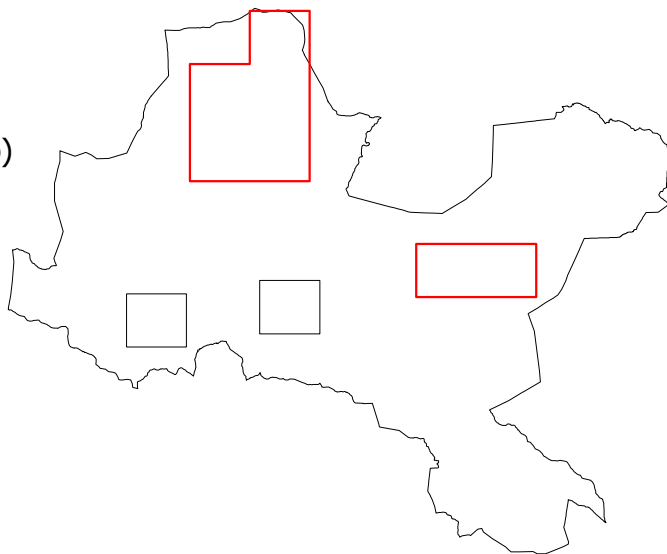
Geologo Mauro Cartocci

Collaborazione

Ing. Alessio Gabbrielli (Studio Idraulico)

Dott. Emanuele Capotorti

Dott. Alessandro Ciali



STUDIO IDRAULICO

ALLEGATO IDRAULICO 1 - RISULTATI DELLA
MODELLAZIONE DEL FIUME ELSA ED AFFLUENTI IN LOC.
CAPANNINO DELLA SUVERA - PIEVESCOLA

Luglio 2013

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River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fosso Pievescola	pievescola	5	200_3h	3.62	229.61	230.62	230.61	230.86	0.032795	2.14	1.69	3.43	0.98
Fosso Pievescola	pievescola	5	200_2.5h	4.08	229.61	230.66	230.68	230.92	0.036456	2.27	1.80	3.67	1.03
Fosso Pievescola	pievescola	5	200_2h	4.74	229.61	230.71	230.73	230.99	0.039376	2.38	1.99	4.07	1.09
Fosso Pievescola	pievescola	5	200_1.5h	5.74	229.61	230.75	230.76	230.90	0.021849	1.85	3.46	11.09	0.82
Fosso Pievescola	pievescola	5	200_1h	7.50	229.61	230.80	230.81	230.99	0.023492	2.02	4.04	11.14	0.86
Fosso Pievescola	pievescola	5	200_0.5h	11.01	229.61	230.91	230.91	231.14	0.022289	2.17	5.25	11.25	0.86
Fosso Pievescola	pievescola	5	100_3h	3.15	229.61	230.59		230.79	0.028235	1.99	1.58	3.19	0.90
Fosso Pievescola	pievescola	5	100_2.5h	3.56	229.61	230.62	230.60	230.85	0.032309	2.13	1.67	3.39	0.97
Fosso Pievescola	pievescola	5	100_2h	4.13	229.61	230.66	230.68	230.92	0.036751	2.28	1.81	3.69	1.04
Fosso Pievescola	pievescola	5	100_1.5h	5.00	229.61	230.73	230.73	230.86	0.020419	1.74	3.23	11.07	0.79
Fosso Pievescola	pievescola	5	100_1h	6.53	229.61	230.78	230.78	230.94	0.022764	1.93	3.73	11.12	0.84
Fosso Pievescola	pievescola	5	100_0.5h	9.52	229.61	230.87	230.87	231.08	0.022379	2.10	4.78	11.21	0.85
Fosso Pievescola	pievescola	5	30_3h	2.48	229.61	230.52		230.69	0.022895	1.81	1.37	2.62	0.80
Fosso Pievescola	pievescola	5	30_2.5h	2.80	229.61	230.57		230.75	0.024111	1.84	1.52	3.03	0.83
Fosso Pievescola	pievescola	5	30_2h	3.22	229.61	230.60		230.80	0.028507	2.00	1.61	3.25	0.91
Fosso Pievescola	pievescola	5	30_1.5h	3.93	229.61	230.65	230.66	230.90	0.035363	2.23	1.76	3.59	1.02
Fosso Pievescola	pievescola	5	30_1h	5.13	229.61	230.74	230.74	230.87	0.020385	1.75	3.29	11.08	0.79
Fosso Pievescola	pievescola	5	30_0.5h	7.36	229.61	230.80	230.81	230.98	0.023346	2.01	4.00	11.14	0.86
Fosso Pievescola	pievescola	4	200_3h	3.62	228.07	229.11		229.31	0.026525	1.98	1.83	3.82	0.91
Fosso Pievescola	pievescola	4	200_2.5h	4.08	228.07	229.16		229.36	0.026565	2.02	2.03	4.14	0.92
Fosso Pievescola	pievescola	4	200_2h	4.74	228.07	229.21	229.19	229.44	0.027569	2.10	2.26	4.50	0.95
Fosso Pievescola	pievescola	4	200_1.5h	5.74	228.07	229.26	229.31	229.53	0.031661	2.30	2.49	4.84	1.02
Fosso Pievescola	pievescola	4	200_1h	7.50	228.07	229.32	229.38	229.55	0.026987	2.24	3.69	12.96	0.96
Fosso Pievescola	pievescola	4	200_0.5h	10.97	228.07	229.39	229.48	229.68	0.028418	2.51	4.85	16.02	1.01
Fosso Pievescola	pievescola	4	100_3h	3.15	228.07	229.05		229.24	0.027032	1.96	1.61	3.41	0.91
Fosso Pievescola	pievescola	4	100_2.5h	3.56	228.07	229.10		229.30	0.026540	1.97	1.80	3.77	0.91
Fosso Pievescola	pievescola	4	100_2h	4.13	228.07	229.16		229.37	0.026575	2.02	2.04	4.17	0.92
Fosso Pievescola	pievescola	4	100_1.5h	5.00	228.07	229.23	229.21	229.46	0.028075	2.14	2.34	4.62	0.96
Fosso Pievescola	pievescola	4	100_1h	6.53	228.07	229.29	229.34	229.50	0.027068	2.16	3.32	11.63	0.95
Fosso Pievescola	pievescola	4	100_0.5h	9.48	228.07	229.36	229.44	229.63	0.028028	2.41	4.36	15.04	0.99
Fosso Pievescola	pievescola	4	30_3h	2.48	228.07	228.94		229.13	0.028098	1.93	1.29	2.80	0.91
Fosso Pievescola	pievescola	4	30_2.5h	2.82	228.07	229.00		229.19	0.027766	1.96	1.44	3.07	0.91
Fosso Pievescola	pievescola	4	30_2h	3.25	228.07	229.07		229.26	0.026330	1.94	1.67	3.53	0.90
Fosso Pievescola	pievescola	4	30_1.5h	3.94	228.07	229.14		229.35	0.026600	2.00	1.97	4.05	0.92
Fosso Pievescola	pievescola	4	30_1h	5.13	228.07	229.24	229.22	229.48	0.028242	2.15	2.38	4.69	0.96
Fosso Pievescola	pievescola	4	30_0.5h	7.32	228.07	229.31	229.37	229.54	0.027043	2.23	3.62	12.72	0.96
Fosso Pievescola	pievescola	3	200_3h	3.62	227.52	228.52	228.38	228.65	0.014428	1.58	2.32	10.74	0.71
Fosso Pievescola	pievescola	3	200_2.5h	4.08	227.52	228.54	228.43	228.68	0.015691	1.68	2.58	13.19	0.74
Fosso Pievescola	pievescola	3	200_2h	4.74	227.52	228.57	228.49	228.73	0.017442	1.82	2.92	15.80	0.79
Fosso Pievescola	pievescola	3	200_1.5h	5.74	227.52	228.60	228.66	228.78	0.019129	1.96	3.48	19.38	0.83
Fosso Pievescola	pievescola	3	200_1h	7.50	227.52	228.65	228.70	228.83	0.018903	2.04	4.56	21.97	0.83
Fosso Pievescola	pievescola	3	200_0.5h	10.95	227.52	228.73	228.76	228.90	0.018371	2.14	6.38	25.53	0.83
Fosso Pievescola	pievescola	3	100_3h	3.15	227.52	228.44		228.57	0.017020	1.63	1.93	4.08	0.76
Fosso Pievescola	pievescola	3	100_2.5h	3.56	227.52	228.52		228.64	0.014214	1.56	2.27	4.49	0.70
Fosso Pievescola	pievescola	3	100_2h	4.13	227.52	228.54	228.43	228.69	0.015805	1.69	2.61	13.39	0.74
Fosso Pievescola	pievescola	3	100_1.5h	5.00	227.52	228.57	228.63	228.74	0.018071	1.86	3.05	16.73	0.80
Fosso Pievescola	pievescola	3	100_1h	6.53	227.52	228.62	228.68	228.80	0.019414	2.02	3.95	20.64	0.84
Fosso Pievescola	pievescola	3	100_0.5h	9.47	227.52	228.70	228.74	228.87	0.018594	2.10	5.63	24.13	0.83
Fosso Pievescola	pievescola	3	30_3h	2.48	227.52	228.41		228.51	0.012049	1.35	1.83	3.95	0.63
Fosso Pievescola	pievescola	3	30_2.5h	2.82	227.52	228.42		228.54	0.014620	1.50	1.88	4.01	0.70
Fosso Pievescola	pievescola	3	30_2h	3.25	227.52	228.50		228.61	0.012877	1.48	2.20	4.41	0.67
Fosso Pievescola	pievescola	3	30_1.5h	3.94	227.52	228.54	228.42	228.67	0.015390	1.66	2.49	12.39	0.73
Fosso Pievescola	pievescola	3	30_1h	5.13	227.52	228.58	228.64	228.75	0.018320	1.88	3.13	17.21	0.81
Fosso Pievescola	pievescola	3	30_0.5h	7.31	227.52	228.64	228.70	228.82	0.019078	2.04	4.43	21.70	0.84
Fosso Pievescola	pievescola	2	200_3h	3.62	227.20	228.46		228.48	0.002073	0.74	6.93	37.85	0.27
Fosso Pievescola	pievescola	2	200_2.5h	4.08	227.20	228.47		228.49	0.002212	0.78	7.44	38.15	0.28
Fosso Pievescola	pievescola	2	200_2h	4.74	227.20	228.49		228.51	0.002338	0.81	8.16	38.57	0.28
Fosso Pievescola	pievescola	2	200_1.5h	5.74	227.20	228.52		228.54	0.002415	0.83	9.29	39.21	0.29
Fosso Pievescola	pievescola	2	200_1h	7.50	227.20	228.57		228.59	0.002461	0.86	11.14	40.25	0.29
Fosso Pievescola	pievescola	2	200_0.5h	10.95	227.20	228.65		228.68	0.002437	0.90	14.45	42.03	0.30
Fosso Pievescola	pievescola	2	100_3h	3.15	227.20	228.44		228.46	0.001970	0.72	6.31	37.48	0.26
Fosso Pievescola	pievescola	2	100_2.5h	3.56	227.20	228.46		228.48	0.002054	0.74	6.86	37.81	0.26
Fosso Pievescola	pievescola	2	100_2h	4.13	227.20	228.48		228.50	0.002215	0.78	7.49	38.18	0.28
Fosso Pievescola	pievescola	2	100_1.5h	5.00	227.20	228.50		228.52	0.002368	0.81	8.45	38.74	0.29
Fosso Pievescola	pievescola	2	100_1h	6.53	227.20	228.54		228.57	0.002460	0.85	10.11	39.68	0.29
Fosso Pievescola	pievescola	2	100_0.5h	9.46	227.20	228.62		228.65	0.002401	0.88	13.17	41.35	0.29
Fosso Pievescola	pievescola	2	30_3h	2.48	227.20	228.42		228.46	0.003298	0.92	2.71	3.53	0.33
Fosso Pievescola	pievescola	2	30_2.5h	2.81	227.20	228.43		228.45	0.001860	0.69	5.85	37.21	0.25
Fosso Pievescola	pievescola	2	30_2h	3.25	227.20	228.45		228.47	0.001997	0.72	6.43	37.56	0.26
Fosso Pievescola	pievescola	2	30_1.5h	3.94	227.20	228.47		228.49	0.002174	0.77	7.27	38.05	0.27
Fosso Pievescola	pievescola	2	30_1h	5.13	227.20	228.50		228.53	0.002377	0.82	8.61	38.82	0.29
Fosso Pievescola	pievescola	2	30_0.5h	7.30	227.20	228.56		228.59	0.002464	0.86	10.93	40.13	0.29
Fosso Pievescola	pievescola	1.5		Culvert									
Fosso Pievescola	pievescola	1.1	200_3h	1.37	221.39	225.71		225.71	0.000001	0.03	50.33	40.78	0.01
Fosso Pievescola	pievescola	1.1	200_2.5h	1.57	221.39	225.63		225.63	0.000001	0.03	47.40	34.36	0.01
Fosso Pievescola	pievescola	1.1	200_2h	1.00	221.39	225.72		225.72	0.000000	0.02	50.89	41.89	0.00
Fosso Pievescola	pievescola	1.1	200_1.5h	1.00	221.39	225.69		225.69	0.000000	0.02	49.66	39.40	0.00
Fosso Pievescola	pievescola	1.1	200_1h	1.00	221.39	225.58		225.58	0.000000	0.02	45.81	33.93	0.00
Fosso Pievescola	pievescola	1.1	200_0.5h	1.00	221.39	225.27		225.27	0.000001	0.03	36.58	21.38	0.01
Fosso Pievescola	pievescola	1.1	100_3h	1.15	221.39	225.56		225.56	0.000001	0.03	45.10	33.79	0.01
Fosso Pievescola	pievescola	1.1	100_2.5h	1.02	221.39	225.58		225.58	0.000000	0.02	45.63	33.89	0.01
Fosso Pievescola	pievescola	1.1	100_2h	1.00	221.39	225.57		225.57	0.000000	0.02	45.39	33.85	0.00
Fosso Pievescola	pievescola	1.1	100_1.5h	1.00	221.39	225.51		225.51	0.000000	0.02	43.20	33.42	0.01
Fosso Pievescola	pievescola	1.1	100_1h	1.00	221.39	225.39		225.39	0.000001	0.03	39.38	28.46	0.01
Fosso Pievescola	pievescola	1.1	100_0.5h	1.00	221.39	225.09		225.09	0.000001	0.03	33.07	18.55	0.01
Fosso Pievescola	pievescola	1.1	30_3h	1.10	221.39	225.26		225.26	0.000001	0.03	36.26	21.03	0.01
Fosso Pievescola	pievescola	1.1	30_2.5h	1.02	221.39	225.26		225.26	0.000001	0.03	36.34	21.12	0.01
Fosso Pievescola	pievescola	1.1	30_2h	1.00	221.39	225.25		225.25	0.000001	0.03			

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fosso Pievescola	pievescola	1	200_1h	1.00	221.39	225.58		225.58	0.000000	0.02	45.81	33.93	0.00
Fosso Pievescola	pievescola	1	200_0.5h	1.00	221.39	225.27		225.27	0.000000	0.03	36.58	21.38	0.01
Fosso Pievescola	pievescola	1	100_3h	1.15	221.39	225.56		225.56	0.000000	0.03	45.10	33.79	0.01
Fosso Pievescola	pievescola	1	100_2.5h	1.02	221.39	225.58		225.58	0.000000	0.02	45.63	33.89	0.01
Fosso Pievescola	pievescola	1	100_2h	1.00	221.39	225.57		225.57	0.000000	0.02	45.39	33.85	0.01
Fosso Pievescola	pievescola	1	100_1.5h	1.00	221.39	225.51		225.51	0.000000	0.02	43.20	33.42	0.01
Fosso Pievescola	pievescola	1	100_1h	1.00	221.39	225.39		225.39	0.000000	0.03	39.38	28.46	0.01
Fosso Pievescola	pievescola	1	100_0.5h	1.00	221.39	225.09		225.09	0.000001	0.03	33.07	18.55	0.01
Fosso Pievescola	pievescola	1	30_3h	1.10	221.39	225.26		225.26	0.000001	0.03	36.26	21.03	0.01
Fosso Pievescola	pievescola	1	30_2.5h	1.02	221.39	225.26		225.26	0.000000	0.03	36.34	21.12	0.01
Fosso Pievescola	pievescola	1	30_2h	1.00	221.39	225.25		225.25	0.000000	0.03	36.07	20.82	0.01
Fosso Pievescola	pievescola	1	30_1.5h	1.00	221.39	225.18		225.18	0.000001	0.03	34.69	19.18	0.01
Fosso Pievescola	pievescola	1	30_1h	1.00	221.39	225.05		225.05	0.000001	0.03	32.31	18.34	0.01
Fosso Pievescola	pievescola	1	30_0.5h	1.00	221.39	224.70		224.70	0.000001	0.04	26.11	16.67	0.01
Fiume Elsa	monte	17	200_3h	74.85	228.68	231.99		232.11	0.002827	1.90	55.40	69.73	0.39
Fiume Elsa	monte	17	200_2.5h	53.96	228.68	231.75		231.89	0.003374	1.93	39.85	62.03	0.42
Fiume Elsa	monte	17	200_2h	77.04	228.68	232.01		232.13	0.002791	1.90	56.91	70.43	0.39
Fiume Elsa	monte	17	200_1.5h	73.51	228.68	231.97		232.09	0.002895	1.91	54.15	69.14	0.40
Fiume Elsa	monte	17	200_1h	64.52	228.68	231.88		232.00	0.003032	1.91	48.06	66.21	0.40
Fiume Elsa	monte	17	200_0.5h	47.28	228.68	231.66		231.80	0.003714	1.97	33.97	57.29	0.44
Fiume Elsa	monte	17	100_3h	63.53	228.68	231.87		231.99	0.003078	1.91	47.20	65.78	0.41
Fiume Elsa	monte	17	100_2.5h	64.88	228.68	231.89		232.01	0.003033	1.91	48.26	66.31	0.40
Fiume Elsa	monte	17	100_2h	64.36	228.68	231.88		232.00	0.003049	1.91	47.86	66.11	0.40
Fiume Elsa	monte	17	100_1.5h	60.86	228.68	231.84		231.96	0.003172	1.92	45.07	64.72	0.41
Fiume Elsa	monte	17	100_1h	52.73	228.68	231.74		231.87	0.003428	1.94	38.84	61.49	0.42
Fiume Elsa	monte	17	100_0.5h	37.42	228.68	231.49		231.65	0.004220	1.98	25.28	45.82	0.46
Fiume Elsa	monte	17	30_3h	46.79	228.68	231.65		231.79	0.003738	1.97	33.54	56.77	0.44
Fiume Elsa	monte	17	30_2.5h	47.14	228.68	231.65		231.80	0.003725	1.97	33.84	57.13	0.44
Fiume Elsa	monte	17	30_2h	45.91	228.68	231.64		231.78	0.003773	1.97	32.78	55.86	0.44
Fiume Elsa	monte	17	30_1.5h	42.34	228.68	231.58		231.73	0.003933	1.97	29.70	51.96	0.45
Fiume Elsa	monte	17	30_1h	35.36	228.68	231.45		231.61	0.004269	1.97	23.68	43.37	0.46
Fiume Elsa	monte	17	30_0.5h	23.21	228.68	231.15		231.32	0.004926	1.87	13.55	22.39	0.48
Fiume Elsa	monte	16	200_3h	74.32	227.95	231.35		231.56	0.005018	2.35	39.58	43.19	0.51
Fiume Elsa	monte	16	200_2.5h	54.08	227.95	231.09		231.30	0.005283	2.25	29.33	34.59	0.52
Fiume Elsa	monte	16	200_2h	76.53	227.95	231.39		231.60	0.004865	2.33	41.13	44.34	0.50
Fiume Elsa	monte	16	200_1.5h	73.44	227.95	231.36		231.56	0.004821	2.30	39.86	43.40	0.50
Fiume Elsa	monte	16	200_1h	64.72	227.95	231.24		231.45	0.005060	2.29	35.00	39.58	0.51
Fiume Elsa	monte	16	200_0.5h	47.28	227.95	230.99		231.19	0.005173	2.16	26.25	31.56	0.51
Fiume Elsa	monte	16	100_3h	63.37	227.95	231.22		231.43	0.005108	2.29	34.22	38.93	0.51
Fiume Elsa	monte	16	100_2.5h	64.86	227.95	231.24		231.45	0.005085	2.30	34.99	39.57	0.51
Fiume Elsa	monte	16	100_2h	64.35	227.95	231.23		231.44	0.005066	2.29	34.81	39.42	0.51
Fiume Elsa	monte	16	100_1.5h	60.79	227.95	231.19		231.40	0.005090	2.27	33.05	37.94	0.51
Fiume Elsa	monte	16	100_1h	52.71	227.95	231.07		231.28	0.005230	2.22	28.79	34.08	0.51
Fiume Elsa	monte	16	100_0.5h	37.41	227.95	230.82		231.00	0.005173	2.05	21.15	25.62	0.51
Fiume Elsa	monte	16	30_3h	46.77	227.95	230.99		231.18	0.005158	2.16	26.03	31.33	0.51
Fiume Elsa	monte	16	30_2.5h	47.11	227.95	230.99		231.19	0.005171	2.16	26.17	31.48	0.51
Fiume Elsa	monte	16	30_2h	45.86	227.95	230.97		231.17	0.005137	2.14	25.62	30.90	0.51
Fiume Elsa	monte	16	30_1.5h	42.30	227.95	230.92		231.11	0.005077	2.09	23.94	29.07	0.50
Fiume Elsa	monte	16	30_1h	35.33	227.95	230.75		230.95	0.005379	2.07	19.59	23.38	0.51
Fiume Elsa	monte	16	30_0.5h	23.18	227.95	230.29		230.51	0.006925	2.10	11.54	12.44	0.56
Fiume Elsa	monte	15.9	200_3h	74.31	227.95	231.22		231.56	0.007418	2.57	28.93	20.35	0.69
Fiume Elsa	monte	15.9	200_2.5h	54.08	227.95	231.05		231.28	0.005716	2.12	25.52	20.35	0.60
Fiume Elsa	monte	15.9	200_2h	75.03	227.95	231.25		231.58	0.007143	2.54	29.49	20.35	0.67
Fiume Elsa	monte	15.9	200_1.5h	73.41	227.95	231.23		231.55	0.007065	2.52	29.17	20.35	0.67
Fiume Elsa	monte	15.9	200_1h	64.71	227.95	231.16		231.44	0.006418	2.34	27.69	20.35	0.64
Fiume Elsa	monte	15.9	200_0.5h	47.28	227.95	230.98		231.18	0.005201	1.97	24.05	20.35	0.58
Fiume Elsa	monte	15.9	100_3h	63.36	227.95	231.15		231.42	0.006347	2.31	27.41	20.35	0.64
Fiume Elsa	monte	15.9	100_2.5h	64.85	227.95	231.16		231.44	0.006449	2.34	27.69	20.35	0.64
Fiume Elsa	monte	15.9	100_2h	64.34	227.95	231.16		231.43	0.006384	2.33	27.64	20.35	0.64
Fiume Elsa	monte	15.9	100_1.5h	60.69	227.95	231.12		231.38	0.006096	2.25	26.99	20.35	0.62
Fiume Elsa	monte	15.9	100_1h	52.71	227.95	231.04		231.26	0.005557	2.08	25.32	20.35	0.60
Fiume Elsa	monte	15.9	100_0.5h	37.41	227.95	230.83		230.99	0.004832	1.79	20.92	20.26	0.56
Fiume Elsa	monte	15.9	30_3h	46.77	227.95	230.97		231.17	0.005163	1.95	23.94	20.35	0.58
Fiume Elsa	monte	15.9	30_2.5h	47.11	227.95	230.98		231.17	0.005188	1.96	24.02	20.35	0.58
Fiume Elsa	monte	15.9	30_2h	45.86	227.95	230.96		231.15	0.005099	1.93	23.72	20.35	0.57
Fiume Elsa	monte	15.9	30_1.5h	42.30	227.95	230.92		231.09	0.004866	1.86	22.79	20.35	0.56
Fiume Elsa	monte	15.9	30_1h	35.33	227.95	230.77		230.93	0.004979	1.79	19.77	20.11	0.58
Fiume Elsa	monte	15.9	30_0.5h	23.18	227.95	230.29		230.50	0.006795	1.99	11.64	12.58	0.66
Fiume Elsa	monte	15.89		Lat Struct									
Fiume Elsa	monte	15.88		Lat Struct									
Fiume Elsa	monte	15	200_3h	53.42	227.40	230.43		230.85	0.009029	2.86	18.68	9.32	0.64
Fiume Elsa	monte	15	200_2.5h	45.65	227.40	230.21		230.60	0.009093	2.74	16.67	9.15	0.65
Fiume Elsa	monte	15	200_2h	54.07	227.40	230.45		230.87	0.009024	2.87	18.84	9.32	0.64
Fiume Elsa	monte	15	200_1.5h	53.27	227.40	230.35		230.80	0.010045	2.97	17.96	9.29	0.68
Fiume Elsa	monte	15	200_1h	50.87	227.40	230.29		230.72	0.010124	2.94	17.33	9.22	0.68
Fiume Elsa	monte	15	200_0.5h	42.77	227.40	230.15		230.51	0.008828	2.66	16.08	9.08	0.64
Fiume Elsa	monte	15	100_3h	49.55	227.40	230.29		230.70	0.009599	2.86	17.33	9.22	0.67
Fiume Elsa	monte	15	100_2.5h	49.92	227.40	230.29		230.71	0.009680	2.87	17.37	9.23	0.67
Fiume Elsa	monte	15	100_2h	50.03	227.40	230.29		230.71	0.009767	2.88	17.34	9.22	0.67
Fiume Elsa	monte	15	100_1.5h	49.42	227.40	230.25		230.68	0.010019	2.90	17.04	9.19	0.68
Fiume Elsa	monte	15	100_1h	45.36	227.40	230.20		230.58	0.009171	2.74	16.54	9.13	0.65
Fiume Elsa	monte	15	100_0.5h	36.89	227.40	230.01		230.33	0.008200	2.48	14.85	8.91	0.61
Fiume Elsa	monte	15	30_3h	42.51	227.40	230.14		230.50	0.008825	2.65	16.01	9.07	0.64
Fiume Elsa	monte	15	30_2.5h	42.67	227.40	230.15		230.51	0.008833	2.66	16.05	9.08	0.64
Fiume Elsa	monte	15	30_2h	42.07	227.40	230.13		230.49	0.008798	2.64	15.91	9.06	0.64
Fiume Elsa	monte	15	30_1.5h	40.16	227.40	230.09		230.43	0.008557	2.58	15.55	9.02	0.63
Fiume Elsa	monte	15	30_1h	35.10	227.40	229.98		230.28	0.007811	2.41	14.57	8.82	0.60
Fiume Elsa	monte	15	30_0.5h	23.14	227.40	229.59		229.80	0.006561	2.04	11.35	7.76	0.54
Fiume Elsa	monte	14	200_3h	47.89	226.88	230.52		230.66	0.003401	1.65	28.94	17.13	0.41
Fiume Elsa	monte	14	200_2.5h	43.66	226.88								

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fiume Elsa	monte	14	100_3h	46.52	226.88	230.25		230.44	0.005456	1.90	24.42	17.13	0.51
Fiume Elsa	monte	14	100_2.5h	46.84	226.88	230.27		230.45	0.005322	1.89	24.73	17.13	0.50
Fiume Elsa	monte	14	100_2h	47.03	226.88	230.25		230.44	0.005618	1.93	24.36	17.13	0.52
Fiume Elsa	monte	14	100_1.5h	46.95	226.88	230.15		230.37	0.007047	2.07	22.65	17.13	0.58
Fiume Elsa	monte	14	100_1h	44.64	226.88	230.02		230.26	0.008765	2.18	20.45	17.02	0.64
Fiume Elsa	monte	14	100_0.5h	36.46	226.88	229.80		230.03	0.008051	2.15	16.99	13.33	0.61
Fiume Elsa	monte	14	30_3h	42.31	226.88	229.92		230.18	0.009474	2.26	18.72	15.61	0.66
Fiume Elsa	monte	14	30_2.5h	42.46	226.88	229.92		230.18	0.009462	2.26	18.82	15.73	0.66
Fiume Elsa	monte	14	30_2h	41.90	226.88	229.90		230.16	0.009463	2.26	18.51	15.34	0.66
Fiume Elsa	monte	14	30_1.5h	40.08	226.88	229.87		230.12	0.009063	2.23	17.94	14.63	0.64
Fiume Elsa	monte	14	30_1h	34.46	226.88	229.78		229.99	0.007305	2.06	16.75	12.99	0.58
Fiume Elsa	monte	14	30_0.5h	23.12	226.88	229.42		229.59	0.005515	1.79	12.89	9.68	0.50
Fiume Elsa	monte	13	200_3h	20.78	226.16	230.41		230.43	0.000248	0.56	37.17	13.71	0.11
Fiume Elsa	monte	13	200_2.5h	22.68	226.16	229.77		229.80	0.000665	0.80	28.30	13.71	0.18
Fiume Elsa	monte	13	200_2h	20.50	226.16	230.44		230.45	0.000236	0.55	37.49	13.71	0.11
Fiume Elsa	monte	13	200_1.5h	22.04	226.16	230.27		230.29	0.000328	0.63	35.19	13.71	0.12
Fiume Elsa	monte	13	200_1h	21.93	226.16	229.99		230.01	0.000458	0.70	31.33	13.71	0.15
Fiume Elsa	monte	13	200_0.5h	25.23	226.16	229.35		229.41	0.001640	1.12	22.56	13.71	0.28
Fiume Elsa	monte	13	100_3h	23.04	226.16	230.01		230.03	0.000494	0.73	31.59	13.71	0.15
Fiume Elsa	monte	13	100_2.5h	22.32	226.16	230.04		230.06	0.000445	0.70	32.03	13.71	0.15
Fiume Elsa	monte	13	100_2h	23.09	226.16	230.00		230.03	0.000498	0.73	31.56	13.71	0.15
Fiume Elsa	monte	13	100_1.5h	24.22	226.16	229.79		229.83	0.000728	0.84	28.70	13.71	0.19
Fiume Elsa	monte	13	100_1h	23.69	226.16	229.56		229.60	0.000996	0.93	25.49	13.71	0.22
Fiume Elsa	monte	13	100_0.5h	29.87	226.16	228.94		229.10	0.005156	1.76	17.00	12.90	0.49
Fiume Elsa	monte	13	30_3h	25.48	226.16	229.33		229.39	0.001739	1.14	22.28	13.71	0.29
Fiume Elsa	monte	13	30_2.5h	25.30	226.16	229.34		229.40	0.001673	1.13	22.45	13.71	0.28
Fiume Elsa	monte	13	30_2h	25.83	226.16	229.30		229.37	0.001889	1.18	21.88	13.71	0.30
Fiume Elsa	monte	13	30_1.5h	28.24	226.16	229.16		229.26	0.003003	1.42	19.95	13.71	0.37
Fiume Elsa	monte	13	30_1h	30.56	226.16	228.84		229.03	0.006056	1.94	15.74	11.52	0.53
Fiume Elsa	monte	13	30_0.5h	22.65	226.16	228.38		228.58	0.007376	2.02	11.21	9.09	0.58
Fiume Elsa	monte	12	200_3h	80.40	225.70	230.03	228.56	230.19	0.002025	1.77	45.87	17.46	0.34
Fiume Elsa	monte	12	200_2.5h	58.43	225.70	229.46	228.27	229.60	0.002212	1.62	36.11	16.66	0.35
Fiume Elsa	monte	12	200_2h	81.21	225.70	230.06	228.58	230.22	0.002011	1.77	46.29	17.50	0.34
Fiume Elsa	monte	12	200_1.5h	75.78	225.70	229.90	228.51	230.05	0.002109	1.76	43.50	17.27	0.34
Fiume Elsa	monte	12	200_1h	64.75	225.70	229.66	228.36	229.80	0.002074	1.65	39.43	16.94	0.34
Fiume Elsa	monte	12	200_0.5h	46.92	225.70	229.10	228.09	229.23	0.002484	1.55	30.23	16.15	0.36
Fiume Elsa	monte	12	100_3h	65.40	225.70	229.68	228.37	229.82	0.002069	1.66	39.73	16.96	0.34
Fiume Elsa	monte	12	100_2.5h	65.86	225.70	229.71	228.37	229.84	0.002017	1.65	40.24	17.00	0.33
Fiume Elsa	monte	12	100_2h	65.56	225.70	229.68	228.37	229.82	0.002063	1.66	39.82	16.97	0.34
Fiume Elsa	monte	12	100_1.5h	59.43	225.70	229.47	228.28	229.61	0.002254	1.64	36.29	16.67	0.35
Fiume Elsa	monte	12	100_1h	52.75	225.70	229.28	228.18	229.41	0.002371	1.60	33.06	16.40	0.35
Fiume Elsa	monte	12	100_0.5h	37.05	225.70	228.83	227.91	228.93	0.002507	1.43	25.87	15.82	0.36
Fiume Elsa	monte	12	30_3h	46.56	225.70	229.09	228.08	229.21	0.002515	1.55	29.97	16.13	0.36
Fiume Elsa	monte	12	30_2.5h	46.84	225.70	229.10	228.08	229.22	0.002503	1.56	30.13	16.14	0.36
Fiume Elsa	monte	12	30_2h	45.69	225.70	229.07	228.06	229.19	0.002506	1.54	29.65	16.10	0.36
Fiume Elsa	monte	12	30_1.5h	42.09	225.70	228.97	228.00	229.09	0.002502	1.49	28.17	15.97	0.36
Fiume Elsa	monte	12	30_1h	34.72	225.70	228.77	227.87	228.87	0.002472	1.39	24.90	15.76	0.35
Fiume Elsa	monte	12	30_0.5h	22.67	225.70	228.37	227.60	228.44	0.002485	1.21	18.69	14.94	0.35
Fiume Elsa	monte	11.5		Bridge									
Fiume Elsa	monte	11.01	200_3h	78.54	225.71	229.22		229.49	0.004520	2.42	35.25	22.73	0.51
Fiume Elsa	monte	11.01	200_2.5h	57.95	225.71	229.09		229.27	0.003098	1.93	32.47	21.87	0.42
Fiume Elsa	monte	11.01	200_2h	78.20	225.71	229.25		229.51	0.004199	2.36	36.08	22.99	0.50
Fiume Elsa	monte	11.01	200_1.5h	70.22	225.71	229.22		229.44	0.003585	2.16	35.35	22.76	0.46
Fiume Elsa	monte	11.01	200_1h	59.95	225.71	229.10		229.28	0.003264	1.98	32.65	21.92	0.43
Fiume Elsa	monte	11.01	200_0.5h	43.46	225.71	228.83		228.97	0.002911	1.71	27.05	20.07	0.40
Fiume Elsa	monte	11.01	100_3h	63.46	225.71	229.04		229.26	0.004130	2.19	31.27	21.48	0.48
Fiume Elsa	monte	11.01	100_2.5h	64.18	225.71	229.06		229.29	0.003997	2.17	31.89	21.68	0.48
Fiume Elsa	monte	11.01	100_2h	60.84	225.71	229.06		229.26	0.003609	2.06	31.84	21.66	0.45
Fiume Elsa	monte	11.01	100_1.5h	54.78	225.71	229.03		229.20	0.003135	1.90	31.06	21.41	0.42
Fiume Elsa	monte	11.01	100_1h	48.95	225.71	228.92		229.08	0.003086	1.82	28.84	20.68	0.41
Fiume Elsa	monte	11.01	100_0.5h	34.43	225.71	228.63		228.75	0.002857	1.57	23.10	18.65	0.39
Fiume Elsa	monte	11.01	30_3h	45.80	225.71	228.77		228.94	0.003711	1.89	25.77	19.62	0.45
Fiume Elsa	monte	11.01	30_2.5h	45.49	225.71	228.78		228.95	0.003524	1.85	26.11	19.74	0.44
Fiume Elsa	monte	11.01	30_2h	43.99	225.71	228.78		228.93	0.003340	1.80	25.99	19.70	0.43
Fiume Elsa	monte	11.01	30_1.5h	39.96	225.71	228.72		228.86	0.003099	1.70	24.93	19.32	0.41
Fiume Elsa	monte	11.01	30_1h	33.00	225.71	228.58		228.70	0.002934	1.56	22.21	18.31	0.39
Fiume Elsa	monte	11.01	30_0.5h	21.19	225.71	228.25		228.34	0.002784	1.31	16.80	16.04	0.37
Fiume Elsa	monte	11	200_3h	78.54	225.71	229.22		229.49	0.004520	2.42	35.25	22.73	0.51
Fiume Elsa	monte	11	200_2.5h	57.95	225.71	229.09		229.27	0.003098	1.93	32.47	21.87	0.42
Fiume Elsa	monte	11	200_2h	78.20	225.71	229.25		229.51	0.004201	2.36	36.07	22.98	0.50
Fiume Elsa	monte	11	200_1.5h	70.22	225.71	229.22		229.44	0.003585	2.16	35.35	22.76	0.46
Fiume Elsa	monte	11	200_1h	59.95	225.71	229.10		229.28	0.003266	1.98	32.65	21.92	0.43
Fiume Elsa	monte	11	200_0.5h	43.54	225.71	228.83		228.97	0.002922	1.72	27.05	20.07	0.40
Fiume Elsa	monte	11	100_3h	63.46	225.71	229.03		229.26	0.004132	2.19	31.26	21.48	0.48
Fiume Elsa	monte	11	100_2.5h	64.18	225.71	229.06		229.29	0.003997	2.17	31.89	21.68	0.48
Fiume Elsa	monte	11	100_2h	60.84	225.71	229.06		229.26	0.003609	2.06	31.84	21.66	0.45
Fiume Elsa	monte	11	100_1.5h	54.78	225.71	229.03		229.20	0.003135	1.90	31.06	21.41	0.42
Fiume Elsa	monte	11	100_1h	48.95	225.71	228.92		229.08	0.003086	1.82	28.84	20.68	0.41
Fiume Elsa	monte	11	100_0.5h	34.43	225.71	228.63		228.75	0.002857	1.57	23.10	18.65	0.39
Fiume Elsa	monte	11	30_3h	45.82	225.71	228.77		228.94	0.003714	1.89	25.77	19.62	0.45
Fiume Elsa	monte	11	30_2.5h	45.49	225.71	228.78		228.95	0.003524	1.85	26.11	19.74	0.44
Fiume Elsa	monte	11	30_2h	43.99	225.71	228.78		228.93	0.003340	1.80	25.99	19.70	0.43
Fiume Elsa	monte	11	30_1.5h	39.96	225.71	228.72		228.86	0.003101	1.70	24.93	19.32	0.41
Fiume Elsa	monte	11	30_1h	32.94	225.71	228.58		228.70	0.002924	1.56	22.21	18.31	0.39
Fiume Elsa	monte	11	30_0.5h	21.19	225.71	228.25		228.34	0.002787	1.31	16.59	16.04	0.37
Fiume Elsa	confluenze	10	200_3h	103.00	225.71	229.22		229.52	0.004666	2.55	42.38	20.54	0.49
Fiume Elsa	confluenze	10	200_2.5h	91.38	225.71	229.09		229.37	0.004415	2.42	39.82	20.42	0.48
Fiume Elsa	confluenze	10	200_2h	105.75	225.71	229.25		229.56	0.004672	2.57	43.1		

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fiume Elsa	confluence	10	100_1h	81.38	225.71	228.92		229.19	0.004579	2.37	36.34	20.27	0.48
Fiume Elsa	confluence	10	100_0.5h	62.91	225.71	228.63		228.86	0.004541	2.20	30.47	20.00	0.48
Fiume Elsa	confluence	10	30_3h	69.70	225.71	228.77		229.00	0.004342	2.23	33.26	20.13	0.47
Fiume Elsa	confluence	10	30_2.5h	71.46	225.71	228.78		229.03	0.004426	2.26	33.62	20.15	0.47
Fiume Elsa	confluence	10	30_2h	71.46	225.71	228.78		229.02	0.004472	2.27	33.50	20.14	0.48
Fiume Elsa	confluence	10	30_1.5h	68.46	225.71	228.72		228.96	0.004516	2.25	32.40	20.09	0.48
Fiume Elsa	confluence	10	30_1h	60.33	225.71	228.58		228.81	0.004569	2.18	29.51	19.96	0.48
Fiume Elsa	confluence	10	30_0.5h	42.19	225.71	228.25		228.44	0.004323	1.93	23.03	19.66	0.46
Fiume Elsa	confluence	9.9	200_3h	103.00	225.71	229.21		229.52	0.004672	2.55	42.36	20.54	0.49
Fiume Elsa	confluence	9.9	200_2.5h	91.38	225.71	229.09		229.37	0.004419	2.42	39.81	20.42	0.48
Fiume Elsa	confluence	9.9	200_2h	105.74	225.71	229.25		229.56	0.004676	2.57	43.10	20.57	0.49
Fiume Elsa	confluence	9.9	200_1.5h	103.50	225.71	229.22		229.53	0.004689	2.56	42.44	20.54	0.49
Fiume Elsa	confluence	9.9	200_1h	94.12	225.71	229.10		229.39	0.004632	2.48	39.97	20.43	0.49
Fiume Elsa	confluence	9.9	200_0.5h	75.71	225.71	228.83		229.09	0.004588	2.33	34.56	20.19	0.48
Fiume Elsa	confluence	9.9	100_3h	88.34	225.71	229.03		229.31	0.004498	2.41	38.67	20.37	0.48
Fiume Elsa	confluence	9.9	100_2.5h	90.63	225.71	229.06		229.34	0.004527	2.44	39.26	20.40	0.48
Fiume Elsa	confluence	9.9	100_2h	91.31	225.71	229.06		229.35	0.004615	2.46	39.21	20.40	0.49
Fiume Elsa	confluence	9.9	100_1.5h	89.21	225.71	229.02		229.31	0.004654	2.45	38.48	20.36	0.49
Fiume Elsa	confluence	9.9	100_1h	81.38	225.71	228.92		229.19	0.004583	2.37	36.33	20.27	0.48
Fiume Elsa	confluence	9.9	100_0.5h	62.91	225.71	228.63		228.86	0.004549	2.20	30.45	20.00	0.48
Fiume Elsa	confluence	9.9	30_3h	69.70	225.71	228.77		229.00	0.004347	2.23	33.25	20.13	0.47
Fiume Elsa	confluence	9.9	30_2.5h	71.46	225.71	228.78		229.03	0.004431	2.26	33.61	20.15	0.47
Fiume Elsa	confluence	9.9	30_2h	71.46	225.71	228.78		229.02	0.004479	2.27	33.48	20.14	0.48
Fiume Elsa	confluence	9.9	30_1.5h	68.46	225.71	228.72		228.96	0.004521	2.25	32.39	20.09	0.48
Fiume Elsa	confluence	9.9	30_1h	60.30	225.71	228.58		228.81	0.004573	2.18	29.49	19.96	0.48
Fiume Elsa	confluence	9.9	30_0.5h	42.18	225.71	228.25		228.44	0.004324	1.93	23.02	19.66	0.46
Fiume Elsa	confluence	9.89		Lat Struct									
Fiume Elsa	confluence	9	200_3h	92.48	225.52	229.13		229.48	0.006333	2.61	35.13	16.72	0.55
Fiume Elsa	confluence	9	200_2.5h	82.12	225.52	229.02		229.33	0.005897	2.45	33.30	16.72	0.53
Fiume Elsa	confluence	9	200_2h	94.56	225.52	229.17		229.52	0.006277	2.62	35.74	16.72	0.55
Fiume Elsa	confluence	9	200_1.5h	91.83	225.52	229.14		229.48	0.006198	2.59	35.22	16.72	0.54
Fiume Elsa	confluence	9	200_1h	84.03	225.52	229.02		229.35	0.006146	2.50	33.35	16.72	0.54
Fiume Elsa	confluence	9	200_0.5h	68.49	225.52	228.76		229.05	0.006337	2.36	28.96	16.72	0.54
Fiume Elsa	confluence	9	100_3h	79.32	225.52	228.96		229.27	0.006013	2.44	32.36	16.72	0.53
Fiume Elsa	confluence	9	100_2.5h	81.34	225.52	228.99		229.31	0.006058	2.46	32.81	16.72	0.54
Fiume Elsa	confluence	9	100_2h	81.15	225.52	228.98		229.30	0.006097	2.47	32.69	16.72	0.54
Fiume Elsa	confluence	9	100_1.5h	80.43	225.52	228.95		229.27	0.006348	2.49	32.08	16.72	0.55
Fiume Elsa	confluence	9	100_1h	73.46	225.52	228.85		229.15	0.006262	2.41	30.40	16.72	0.54
Fiume Elsa	confluence	9	100_0.5h	57.07	225.52	228.56		228.81	0.006502	2.24	25.56	16.72	0.55
Fiume Elsa	confluence	9	30_3h	63.00	225.52	228.71		228.96	0.005915	2.24	28.06	16.72	0.52
Fiume Elsa	confluence	9	30_2.5h	64.60	225.52	228.72		228.99	0.006056	2.28	28.30	16.72	0.53
Fiume Elsa	confluence	9	30_2h	64.68	225.52	228.71		228.98	0.006162	2.29	28.17	16.72	0.54
Fiume Elsa	confluence	9	30_1.5h	61.42	225.52	228.66		228.92	0.006130	2.25	27.30	16.72	0.53
Fiume Elsa	confluence	9	30_1h	55.04	225.52	228.51		228.76	0.006734	2.24	24.71	16.72	0.55
Fiume Elsa	confluence	9	30_0.5h	39.39	225.52	228.17		228.39	0.007899	2.12	19.00	16.72	0.59
Fiume Elsa	confluence	8	200_3h	77.87	225.43	229.04		229.28	0.003901	2.22	35.78	15.83	0.46
Fiume Elsa	confluence	8	200_2.5h	68.86	225.43	228.96		229.17	0.003389	2.03	34.57	15.83	0.42
Fiume Elsa	confluence	8	200_2h	78.71	225.43	229.07		229.31	0.003812	2.21	36.30	15.83	0.45
Fiume Elsa	confluence	8	200_1.5h	76.90	225.43	229.05		229.28	0.003757	2.18	35.93	15.83	0.45
Fiume Elsa	confluence	8	200_1h	70.44	225.43	228.96		229.17	0.003582	2.09	34.45	15.83	0.44
Fiume Elsa	confluence	8	200_0.5h	57.87	225.43	228.70		228.88	0.003570	1.95	30.35	15.83	0.43
Fiume Elsa	confluence	8	100_3h	66.26	225.43	228.90		229.10	0.003434	2.01	33.56	15.83	0.43
Fiume Elsa	confluence	8	100_2.5h	67.88	225.43	228.92		229.13	0.003487	2.04	33.93	15.83	0.43
Fiume Elsa	confluence	8	100_2h	67.94	225.43	228.92		229.13	0.003506	2.05	33.89	15.83	0.43
Fiume Elsa	confluence	8	100_1.5h	67.33	225.43	228.88		229.09	0.003638	2.06	33.28	15.83	0.44
Fiume Elsa	confluence	8	100_1h	62.83	225.43	228.78		228.98	0.003703	2.03	31.63	15.83	0.44
Fiume Elsa	confluence	8	100_0.5h	49.30	225.43	228.50		228.67	0.003622	1.85	27.22	15.83	0.43
Fiume Elsa	confluence	8	30_3h	53.74	225.43	228.66		228.83	0.003257	1.84	29.80	15.83	0.41
Fiume Elsa	confluence	8	30_2.5h	55.17	225.43	228.67		228.84	0.003385	1.88	29.93	15.83	0.42
Fiume Elsa	confluence	8	30_2h	55.49	225.43	228.66		228.84	0.003484	1.90	29.76	15.83	0.43
Fiume Elsa	confluence	8	30_1.5h	52.71	225.43	228.61		228.78	0.003390	1.85	29.04	15.83	0.42
Fiume Elsa	confluence	8	30_1h	47.69	225.43	228.44		228.61	0.003742	1.85	26.37	15.83	0.44
Fiume Elsa	confluence	8	30_0.5h	37.06	225.43	228.02		228.21	0.005567	1.93	19.71	15.83	0.52
Fiume Elsa	valle	7	200_3h	136.19	225.33	229.04		229.47	0.005883	3.03	47.54	23.25	0.58
Fiume Elsa	valle	7	200_2.5h	126.12	225.33	228.96		229.35	0.005310	2.83	45.84	21.36	0.55
Fiume Elsa	valle	7	200_2h	135.10	225.33	229.07		229.48	0.005646	2.99	48.33	24.15	0.57
Fiume Elsa	valle	7	200_1.5h	128.96	225.33	229.05		229.43	0.005240	2.86	47.76	23.51	0.55
Fiume Elsa	valle	7	200_1h	115.68	225.33	228.96		229.28	0.004512	2.61	45.69	21.34	0.51
Fiume Elsa	valle	7	200_0.5h	93.02	225.33	228.70		228.97	0.004215	2.39	40.25	20.59	0.49
Fiume Elsa	valle	7	100_3h	117.38	225.33	228.90		229.26	0.005015	2.72	44.49	21.18	0.53
Fiume Elsa	valle	7	100_2.5h	118.46	225.33	228.92		229.28	0.004950	2.71	44.98	21.24	0.53
Fiume Elsa	valle	7	100_2h	117.41	225.33	228.92		229.27	0.004879	2.69	44.93	21.23	0.53
Fiume Elsa	valle	7	100_1.5h	111.78	225.33	228.88		229.21	0.004660	2.61	44.12	21.12	0.51
Fiume Elsa	valle	7	100_1h	99.60	225.33	228.78		229.07	0.004288	2.45	41.93	20.82	0.49
Fiume Elsa	valle	7	100_0.5h	74.90	225.33	228.50		228.72	0.003710	2.14	36.24	20.01	0.45
Fiume Elsa	valle	7	30_3h	91.89	225.33	228.66		228.94	0.004333	2.40	39.53	20.49	0.49
Fiume Elsa	valle	7	30_2.5h	91.81	225.33	228.67		228.94	0.004270	2.39	39.71	20.51	0.49
Fiume Elsa	valle	7	30_2h	89.35	225.33	228.66		228.92	0.004110	2.34	39.49	20.48	0.48
Fiume Elsa	valle	7	30_1.5h	82.52	225.33	228.61		228.85	0.003757	2.21	38.56	20.35	0.46
Fiume Elsa	valle	7	30_1h	71.56	225.33	228.44		228.66	0.003701	2.11	35.16	19.86	0.45
Fiume Elsa	valle	7	30_0.5h	51.34	225.33	228.02		228.21	0.004120	1.97	27.07	18.64	0.47
Fiume Elsa	valle	6.9	200_3h	136.18	225.33	229.04		229.47	0.005885	3.03	47.53	23.23	0.58
Fiume Elsa	valle	6.9	200_2.5h	126.16	225.33	228.96		229.35	0.005318	2.84	45.83	21.36	0.55
Fiume Elsa	valle	6.9	200_2h	135.09	225.33	229.07		229.48	0.005650	2.99	48.31	24.12	0.57
Fiume Elsa	valle	6.9	200_1.5h	128.96	225.33	229.05		229.43	0.005241	2.86	47.75	23.49	0.55
Fiume Elsa	valle	6.9	200_1h	115.67	225.33	228.95		229.28	0.004515	2.61	45.67	21.34	0.51
Fiume Elsa	valle	6.9	200_0.5h	93.02	225.33	228.70		228.97	0.004218	2.39	40.24	20.58	0.49
Fiume Elsa	valle	6.9	100_3h	117.37	225.33	228.90		229.26	0.005019	2.72	44.48	21.17	0.53
Fiume Elsa	valle	6.9	100_2.5h	118.45	225.33	228.92		229.28	0.004954	2.72	44.96	21.24	0.53
Fiume Elsa	valle	6.9											

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fiume Elsa	valle	6.9	30_2h	89.35	225.33	228.66		228.92	0.004114	2.34	39.48	20.48	0.48
Fiume Elsa	valle	6.9	30_1.5h	82.52	225.33	228.61		228.85	0.003760	2.21	38.55	20.35	0.46
Fiume Elsa	valle	6.9	30_1h	71.56	225.33	228.44		228.66	0.003705	2.11	35.15	19.86	0.45
Fiume Elsa	valle	6.9	30_0.5h	51.34	225.33	228.02		228.21	0.004125	1.97	27.06	18.64	0.47
Fiume Elsa	valle	6.89		Lat Struct									
Fiume Elsa	valle	6	200_3h	137.14	225.07	228.84		229.26	0.006932	2.87	48.28	26.25	0.63
Fiume Elsa	valle	6	200_2.5h	127.88	225.07	228.74		229.15	0.007010	2.81	45.86	25.30	0.63
Fiume Elsa	valle	6	200_2h	138.59	225.07	228.86		229.28	0.006821	2.87	48.91	26.55	0.63
Fiume Elsa	valle	6	200_1.5h	133.93	225.07	228.82		229.23	0.006759	2.83	47.91	26.07	0.62
Fiume Elsa	valle	6	200_1h	122.32	225.07	228.70		229.09	0.006864	2.75	44.82	24.96	0.62
Fiume Elsa	valle	6	200_0.5h	97.86	225.07	228.34		228.71	0.008459	2.70	36.23	22.32	0.68
Fiume Elsa	valle	6	100_3h	122.34	225.07	228.67		229.07	0.007212	2.79	44.10	24.71	0.64
Fiume Elsa	valle	6	100_2.5h	124.25	225.07	228.69		229.09	0.007195	2.80	44.59	24.88	0.64
Fiume Elsa	valle	6	100_2h	122.69	225.07	228.69		229.08	0.007102	2.78	44.40	24.82	0.63
Fiume Elsa	valle	6	100_1.5h	115.84	225.07	228.63		229.00	0.006928	2.70	43.10	24.37	0.62
Fiume Elsa	valle	6	100_1h	105.06	225.07	228.45		228.82	0.007921	2.71	38.77	22.84	0.66
Fiume Elsa	valle	6	100_0.5h	81.42	225.07	228.04		228.42	0.010654	2.74	29.70	21.57	0.75
Fiume Elsa	valle	6	30_3h	96.43	225.07	228.29		228.67	0.008988	2.74	35.16	22.20	0.70
Fiume Elsa	valle	6	30_2.5h	96.67	225.07	228.30		228.68	0.008836	2.73	35.42	22.23	0.69
Fiume Elsa	valle	6	30_2h	95.14	225.07	228.26		228.65	0.009166	2.75	34.62	22.14	0.70
Fiume Elsa	valle	6	30_1.5h	89.43	225.07	228.19		228.57	0.009301	2.71	33.06	21.96	0.70
Fiume Elsa	valle	6	30_1h	77.55	225.07	227.99		228.36	0.010713	2.70	28.71	21.45	0.75
Fiume Elsa	valle	6	30_0.5h	53.85	225.07	227.51		227.90	0.013819	2.75	19.57	17.15	0.82
Fiume Elsa	valle	5	200_3h	181.58	223.78	227.96		228.38	0.007333	3.11	64.24	43.06	0.65
Fiume Elsa	valle	5	200_2.5h	167.00	223.78	227.84		228.26	0.007827	3.15	59.41	42.83	0.66
Fiume Elsa	valle	5	200_2h	184.82	223.78	227.98		228.40	0.007279	3.12	65.14	43.06	0.64
Fiume Elsa	valle	5	200_1.5h	178.45	223.78	227.93		228.35	0.007396	3.11	63.35	43.06	0.65
Fiume Elsa	valle	5	200_1h	159.13	223.78	227.76		228.20	0.008379	3.25	55.88	42.37	0.69
Fiume Elsa	valle	5	200_0.5h	118.56	223.78	227.20		227.78	0.010284	3.62	36.28	24.68	0.76
Fiume Elsa	valle	5	100_3h	155.50	223.78	227.72		228.18	0.008518	3.31	54.25	41.91	0.69
Fiume Elsa	valle	5	100_2.5h	158.20	223.78	227.75		228.20	0.008405	3.26	55.50	42.26	0.69
Fiume Elsa	valle	5	100_2h	157.23	223.78	227.74		228.19	0.008486	3.29	54.93	42.10	0.69
Fiume Elsa	valle	5	100_1.5h	149.28	223.78	227.65		228.14	0.008826	3.45	51.14	41.00	0.71
Fiume Elsa	valle	5	100_1h	130.89	223.78	227.41		227.97	0.009600	3.64	42.08	32.61	0.74
Fiume Elsa	valle	5	100_0.5h	93.25	223.78	226.85		227.40	0.010560	3.41	28.98	18.92	0.75
Fiume Elsa	valle	5	30_3h	115.28	223.78	227.16		227.74	0.010258	3.59	35.33	23.70	0.75
Fiume Elsa	valle	5	30_2.5h	116.07	223.78	227.17		227.75	0.010260	3.60	35.57	23.95	0.75
Fiume Elsa	valle	5	30_2h	113.57	223.78	227.14		227.71	0.010262	3.57	34.80	23.13	0.75
Fiume Elsa	valle	5	30_1.5h	105.47	223.78	227.05		227.59	0.009859	3.44	32.86	20.94	0.74
Fiume Elsa	valle	5	30_1h	87.85	223.78	226.78		227.31	0.010529	3.35	27.69	18.26	0.75
Fiume Elsa	valle	5	30_0.5h	56.56	223.78	226.29		226.73	0.011332	3.03	19.59	15.43	0.76
Fiume Elsa	valle	4.89		Lat Struct									
Fiume Elsa	valle	4	200_3h	179.88	222.68	227.68		227.92	0.002848	2.20	83.68	44.47	0.46
Fiume Elsa	valle	4	200_2.5h	166.56	222.68	227.54		227.78	0.002902	2.17	77.94	42.55	0.47
Fiume Elsa	valle	4	200_2h	182.64	222.68	227.70		227.95	0.002840	2.21	84.81	44.47	0.46
Fiume Elsa	valle	4	200_1.5h	177.13	222.68	227.65		227.89	0.002853	2.19	82.58	44.32	0.46
Fiume Elsa	valle	4	200_1h	158.70	222.68	227.45		227.69	0.002967	2.16	74.34	35.93	0.44
Fiume Elsa	valle	4	200_0.5h	118.39	222.68	226.85		227.07	0.003512	2.07	57.21	26.02	0.45
Fiume Elsa	valle	4	100_3h	155.07	222.68	227.41		227.64	0.003011	2.15	72.73	32.66	0.42
Fiume Elsa	valle	4	100_2.5h	157.84	222.68	227.44		227.68	0.002979	2.15	73.94	35.08	0.44
Fiume Elsa	valle	4	100_2h	156.58	222.68	227.43		227.66	0.002993	2.15	73.38	33.87	0.43
Fiume Elsa	valle	4	100_1.5h	148.83	222.68	227.32		227.55	0.003076	2.13	70.03	30.99	0.43
Fiume Elsa	valle	4	100_1h	130.78	222.68	227.05		227.27	0.003325	2.10	62.38	26.67	0.44
Fiume Elsa	valle	4	100_0.5h	93.22	222.68	226.49		226.68	0.003659	1.94	48.04	24.89	0.45
Fiume Elsa	valle	4	30_3h	115.25	222.68	226.80		227.02	0.003562	2.06	55.91	25.86	0.45
Fiume Elsa	valle	4	30_2.5h	116.03	222.68	226.82		227.03	0.003545	2.06	56.26	25.90	0.45
Fiume Elsa	valle	4	30_2h	113.52	222.68	226.77		226.99	0.003613	2.06	55.08	25.76	0.45
Fiume Elsa	valle	4	30_1.5h	105.36	222.68	226.68		226.88	0.003547	2.00	52.70	25.47	0.44
Fiume Elsa	valle	4	30_1h	86.88	222.68	226.43		226.61	0.003516	1.87	46.45	24.69	0.44
Fiume Elsa	valle	4	30_0.5h	56.55	222.68	225.84		225.99	0.004385	1.74	32.44	22.77	0.47
Fiume Elsa	valle	3	200_3h	174.61	221.77	226.50		227.01	0.008437	3.29	58.23	40.93	0.69
Fiume Elsa	valle	3	200_2.5h	164.79	221.77	226.39		226.93	0.009216	3.34	53.84	40.93	0.71
Fiume Elsa	valle	3	200_2h	176.53	221.77	226.52		227.03	0.008269	3.28	59.15	40.93	0.68
Fiume Elsa	valle	3	200_1.5h	172.75	221.77	226.48		227.00	0.008605	3.30	57.33	40.93	0.69
Fiume Elsa	valle	3	200_1h	158.08	221.77	226.33		226.88	0.009623	3.36	51.18	40.93	0.73
Fiume Elsa	valle	3	200_0.5h	118.18	221.77	225.93		226.46	0.009926	3.22	37.22	23.19	0.73
Fiume Elsa	valle	3	100_3h	154.72	221.77	226.30	225.94	226.85	0.009820	3.36	49.87	40.93	0.73
Fiume Elsa	valle	3	100_2.5h	157.32	221.77	226.32		226.87	0.009682	3.36	50.86	40.93	0.73
Fiume Elsa	valle	3	100_2h	156.13	221.77	226.31	225.94	226.86	0.009737	3.36	50.42	40.93	0.73
Fiume Elsa	valle	3	100_1.5h	148.70	221.77	226.25	225.76	226.80	0.010065	3.35	47.73	40.93	0.74
Fiume Elsa	valle	3	100_1h	130.74	221.77	226.06		226.61	0.010588	3.31	40.69	30.18	0.75
Fiume Elsa	valle	3	100_0.5h	89.78	221.77	225.65		226.06	0.007901	2.82	31.86	16.23	0.64
Fiume Elsa	valle	3	30_3h	115.25	221.77	225.89		226.41	0.009760	3.21	36.32	21.95	0.72
Fiume Elsa	valle	3	30_2.5h	116.01	221.77	225.90		226.43	0.009805	3.21	36.55	22.28	0.72
Fiume Elsa	valle	3	30_2h	113.49	221.77	225.86		226.39	0.009665	3.20	35.74	21.12	0.72
Fiume Elsa	valle	3	30_1.5h	105.33	221.77	225.74		226.25	0.009522	3.16	33.36	17.96	0.71
Fiume Elsa	valle	3	30_1h	86.62	221.77	225.61		226.00	0.007863	2.79	31.10	16.01	0.64
Fiume Elsa	valle	3	30_0.5h	56.54	221.77	225.05		225.37	0.008095	2.48	22.77	14.29	0.63
Fiume Elsa	valle	2.1	200_3h	183.26	221.39	225.71	225.63	226.46	0.014672	3.91	50.33	40.78	0.82
Fiume Elsa	valle	2.1	200_2.5h	168.66	221.39	225.63	225.60	226.33	0.014068	3.76	47.40	34.36	0.80
Fiume Elsa	valle	2.1	200_2h	187.17	221.39	225.72	225.85	226.49	0.014972	3.96	50.89	41.89	0.83
Fiume Elsa	valle	2.1	200_1.5h	180.47	221.39	225.69	225.63	226.44	0.014623	3.89	49.66	39.40	0.82
Fiume Elsa	valle	2.1	200_1h	160.85	221.39	225.58	225.37	226.26	0.013886	3.69	45.81	33.93	0.80
Fiume Elsa	valle	2.1	200_0.5h	118.94	221.39	225.27		225.81	0.012940	3.26	36.58	21.38	0.75
Fiume Elsa	valle	2.1	100_3h	156.95	221.39	225.56	225.29	226.23	0.013721	3.65	45.10	33.79	0.79
Fiume Elsa	valle	2.1	100_2.5h	159.84	221.39	225.58	225.32	226.25	0.013846	3.68	45.63	33.89	0.79
Fiume Elsa	valle	2.1	100_2h	158.62	221.39	225.57	225.30	226.24	0.013804	3.66	45.39	33.85	0.79
Fiume Elsa	valle	2.1	100_1.5h	150.71	221.39	225.51	225.22	226.17	0.013985	3.62	43.20	33.42	0.80
Fiume Elsa	valle	2.1	100_1h	131.95	221.39	225.39		225.98	0.013164	3.40	39.38	28.46	0.

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fiume Elsa	valle	2.1	30_1h	87.85	221.39	225.05		225.43	0.010005	2.72	32.31	18.34	0.65
Fiume Elsa	valle	2.1	30_0.5h	56.53	221.39	224.70		224.94	0.007445	2.17	26.11	16.67	0.55
Fiume Elsa	fine	2	200_3h	184.63	221.39	225.71	225.63	226.46	0.014820	3.88	50.33	40.78	0.86
Fiume Elsa	fine	2	200_2.5h	170.23	221.39	225.63	225.59	226.33	0.014304	3.74	47.40	34.36	0.85
Fiume Elsa	fine	2	200_2h	188.17	221.39	225.72	225.83	226.49	0.015052	3.92	50.89	41.89	0.87
Fiume Elsa	fine	2	200_1.5h	181.47	221.39	225.69	225.63	226.43	0.014723	3.85	49.66	39.40	0.86
Fiume Elsa	fine	2	200_1h	161.85	221.39	225.58	225.51	226.26	0.014033	3.66	45.81	33.93	0.84
Fiume Elsa	fine	2	200_0.5h	119.94	221.39	225.27		225.82	0.013158	3.28	36.58	21.38	0.80
Fiume Elsa	fine	2	100_3h	158.10	221.39	225.56	225.40	226.22	0.013897	3.62	45.10	33.79	0.83
Fiume Elsa	fine	2	100_2.5h	160.86	221.39	225.58	225.51	226.25	0.013997	3.65	45.63	33.89	0.84
Fiume Elsa	fine	2	100_2h	159.62	221.39	225.57	225.48	226.24	0.013953	3.64	45.39	33.85	0.83
Fiume Elsa	fine	2	100_1.5h	151.71	221.39	225.51	225.31	226.16	0.014143	3.60	43.20	33.42	0.84
Fiume Elsa	fine	2	100_1h	132.95	221.39	225.39		225.98	0.013346	3.40	39.38	28.46	0.81
Fiume Elsa	fine	2	100_0.5h	94.21	221.39	225.09		225.51	0.010814	2.85	33.07	18.55	0.68
Fiume Elsa	fine	2	30_3h	116.99	221.39	225.26		225.79	0.012846	3.23	36.26	21.03	0.78
Fiume Elsa	fine	2	30_2.5h	117.75	221.39	225.26		225.80	0.012925	3.24	36.34	21.12	0.79
Fiume Elsa	fine	2	30_2h	115.13	221.39	225.25		225.77	0.012634	3.19	36.07	20.82	0.77
Fiume Elsa	fine	2	30_1.5h	106.67	221.39	225.18		225.66	0.012160	3.07	34.69	19.18	0.73
Fiume Elsa	fine	2	30_1h	88.85	221.39	225.05		225.44	0.010235	2.75	32.31	18.34	0.66
Fiume Elsa	fine	2	30_0.5h	57.53	221.39	224.70		224.95	0.007711	2.20	26.11	16.67	0.56
Fiume Elsa	fine	1.9	200_3h	184.63	221.39	225.71	225.63	226.46	0.014851	3.88	50.28	40.68	0.86
Fiume Elsa	fine	1.9	200_2.5h	170.23	221.39	225.63	225.59	226.33	0.014332	3.74	47.36	34.26	0.85
Fiume Elsa	fine	1.9	200_2h	188.17	221.39	225.72	225.83	226.49	0.015082	3.92	50.84	41.79	0.87
Fiume Elsa	fine	1.9	200_1.5h	181.47	221.39	225.69	225.63	226.43	0.014760	3.85	49.60	39.28	0.86
Fiume Elsa	fine	1.9	200_1h	161.85	221.39	225.58	225.51	226.26	0.014063	3.66	45.77	33.92	0.84
Fiume Elsa	fine	1.9	200_0.5h	119.94	221.39	225.27		225.82	0.013219	3.28	36.53	21.31	0.80
Fiume Elsa	fine	1.9	100_3h	158.10	221.39	225.56	225.40	226.22	0.013935	3.63	45.05	33.78	0.83
Fiume Elsa	fine	1.9	100_2.5h	160.86	221.39	225.58	225.51	226.25	0.014034	3.65	45.58	33.88	0.84
Fiume Elsa	fine	1.9	100_2h	159.62	221.39	225.57	225.48	226.24	0.013990	3.64	45.34	33.84	0.84
Fiume Elsa	fine	1.9	100_1.5h	151.71	221.39	225.51	225.31	226.16	0.014181	3.61	43.14	33.41	0.84
Fiume Elsa	fine	1.9	100_1h	132.95	221.39	225.39		225.97	0.013380	3.40	39.34	28.34	0.82
Fiume Elsa	fine	1.9	100_0.5h	94.20	221.39	225.09		225.51	0.010848	2.85	33.03	18.54	0.68
Fiume Elsa	fine	1.9	30_3h	116.99	221.39	225.26		225.79	0.012906	3.23	36.20	20.97	0.78
Fiume Elsa	fine	1.9	30_2.5h	117.75	221.39	225.26		225.80	0.012985	3.24	36.29	21.06	0.79
Fiume Elsa	fine	1.9	30_2h	115.13	221.39	225.25		225.77	0.012686	3.20	36.02	20.76	0.77
Fiume Elsa	fine	1.9	30_1.5h	106.67	221.39	225.18		225.66	0.012211	3.08	34.64	19.12	0.73
Fiume Elsa	fine	1.9	30_1h	88.85	221.39	225.05		225.44	0.010263	2.75	32.28	18.33	0.66
Fiume Elsa	fine	1.9	30_0.5h	57.53	221.39	224.70		224.94	0.007724	2.20	26.09	16.67	0.56
Fiume Elsa	fine	1	200_3h	184.86	220.38	224.38		224.70	0.011730	2.96	76.82	100.38	0.63
Fiume Elsa	fine	1	200_2.5h	170.21	220.38	224.32	224.33	224.65	0.012064	2.97	71.41	97.75	0.64
Fiume Elsa	fine	1	200_2h	188.13	220.38	224.39		224.71	0.011768	2.97	77.73	100.82	0.63
Fiume Elsa	fine	1	200_1.5h	181.43	220.38	224.36		224.69	0.011995	2.98	75.11	99.56	0.64
Fiume Elsa	fine	1	200_1h	161.82	220.38	224.30	224.30	224.62	0.012055	2.96	68.75	96.44	0.64
Fiume Elsa	fine	1	200_0.5h	119.86	220.38	224.15	224.18	224.45	0.011954	2.84	54.62	89.29	0.63
Fiume Elsa	fine	1	100_3h	158.05	220.38	224.29	224.30	224.60	0.012047	2.95	67.55	95.85	0.64
Fiume Elsa	fine	1	100_2.5h	160.83	220.38	224.29	224.30	224.61	0.012056	2.95	68.42	96.28	0.64
Fiume Elsa	fine	1	100_2h	159.58	220.38	224.29	224.30	224.61	0.012045	2.95	68.04	96.10	0.64
Fiume Elsa	fine	1	100_1.5h	151.70	220.38	224.26	224.28	224.58	0.011999	2.93	65.57	94.88	0.63
Fiume Elsa	fine	1	100_1h	132.94	220.38	224.20	224.22	224.50	0.012032	2.88	59.15	91.64	0.63
Fiume Elsa	fine	1	100_0.5h	87.88	220.38	224.06		224.29	0.009268	2.45	46.94	85.15	0.55
Fiume Elsa	fine	1	30_3h	117.02	220.38	224.13	224.17	224.43	0.011915	2.83	53.65	88.78	0.63
Fiume Elsa	fine	1	30_2.5h	117.78	220.38	224.14	224.17	224.44	0.011920	2.83	53.92	88.92	0.63
Fiume Elsa	fine	1	30_2h	115.15	220.38	224.13	224.16	224.43	0.011887	2.82	53.00	88.43	0.63
Fiume Elsa	fine	1	30_1.5h	106.64	220.38	224.08	224.13	224.39	0.012218	2.83	49.19	86.38	0.63
Fiume Elsa	fine	1	30_1h	84.79	220.38	224.04		224.27	0.009146	2.42	45.78	84.51	0.55
Fiume Elsa	fine	1	30_0.5h	57.52	220.38	223.74		224.15	0.014210	2.81	20.46	11.32	0.67
Fiume Elsa	fine	0.6	200_3h	184.85	219.20	223.30		223.53	0.006848	2.48	94.10	135.62	0.50
Fiume Elsa	fine	0.6	200_2.5h	170.19	219.20	223.26		223.48	0.006797	2.44	88.16	129.70	0.50
Fiume Elsa	fine	0.6	200_2h	188.08	219.20	223.31		223.54	0.006844	2.49	95.47	136.95	0.50
Fiume Elsa	fine	0.6	200_1.5h	181.39	219.20	223.29		223.52	0.006838	2.47	92.70	134.25	0.50
Fiume Elsa	fine	0.6	200_1h	161.78	219.20	223.23		223.45	0.006816	2.42	84.42	125.84	0.49
Fiume Elsa	fine	0.6	200_0.5h	94.87	219.20	223.19		223.28	0.002692	1.51	79.64	120.72	0.31
Fiume Elsa	fine	0.6	100_3h	158.02	219.20	223.22		223.43	0.006814	2.42	82.78	124.10	0.49
Fiume Elsa	fine	0.6	100_2.5h	160.82	219.20	223.23		223.44	0.006816	2.42	83.99	125.39	0.49
Fiume Elsa	fine	0.6	100_2h	159.53	219.20	223.22		223.44	0.006810	2.42	83.46	124.83	0.49
Fiume Elsa	fine	0.6	100_1.5h	151.67	219.20	223.20		223.41	0.006792	2.40	80.09	121.21	0.49
Fiume Elsa	fine	0.6	100_1h	95.84	219.20	223.20		223.28	0.002706	1.51	80.16	121.29	0.31
Fiume Elsa	fine	0.6	100_0.5h	90.18	219.20	223.18		223.26	0.002556	1.46	78.00	118.91	0.30
Fiume Elsa	fine	0.6	30_3h	89.64	219.20	223.18		223.26	0.002545	1.46	77.75	118.63	0.30
Fiume Elsa	fine	0.6	30_2.5h	90.60	219.20	223.18		223.26	0.002558	1.47	78.29	119.24	0.30
Fiume Elsa	fine	0.6	30_2h	91.85	219.20	223.19		223.27	0.002580	1.47	78.91	119.92	0.30
Fiume Elsa	fine	0.6	30_1.5h	91.63	219.20	223.18		223.26	0.002604	1.48	78.44	119.40	0.30
Fiume Elsa	fine	0.6	30_1h	88.28	219.20	223.17		223.25	0.002510	1.45	77.21	118.03	0.30
Fiume Elsa	fine	0.6	30_0.5h	57.25	219.20	222.75		222.89	0.004739	1.75	39.16	68.64	0.40
Fiume Elsa	fine	0.5	200_3h	184.85	217.32	221.04	221.20	221.58	0.013168	3.76	62.58	90.72	0.84
Fiume Elsa	fine	0.5	200_2.5h	170.18	217.32	221.00	221.14	221.52	0.012995	3.68	58.84	88.47	0.83
Fiume Elsa	fine	0.5	200_2h	188.06	217.32	221.05	221.20	221.59	0.013188	3.77	63.41	91.22	0.84
Fiume Elsa	fine	0.5	200_1.5h	181.37	217.32	221.04	221.17	221.57	0.013131	3.74	61.70	90.20	0.84
Fiume Elsa	fine	0.5	200_1h	161.75	217.32	220.97	221.11	221.49	0.013084	3.66	56.27	86.89	0.83
Fiume Elsa	fine	0.5	200_0.5h	119.79	217.32	220.82	220.97	221.31	0.012763	3.42	43.80	78.76	0.81
Fiume Elsa	fine	0.5	100_3h	158.01	217.32	220.96	221.10	221.48	0.013097	3.64	55.16	86.20	0.83
Fiume Elsa	fine	0.5	100_2.5h	160.78	217.32	220.97	221.11	221.49	0.013090	3.65	55.98	86.71	0.83
Fiume Elsa	fine	0.5	100_2h	159.49	217.32	220.97	221.11	221.48	0.013103	3.65	55.58	86.46	0.83
Fiume Elsa	fine	0.5	100_1.5h	151.67	217.32	220.94	221.08	221.45	0.013105	3.62	53.28	85.01	0.83
Fiume Elsa	fine	0.5	100_1h	132.88	217.32	220.87	221.02	221.37	0.012879	3.50	47.90	81.52	0.82
Fiume Elsa	fine	0.5	100_0.5h	110.14	217.32	220.75	220.92	221.32	0.014768	3.61	35.24	42.99	0.87
Fiume Elsa	fine	0.5	30_3h	117.02	217.32								

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Fiume Elsa	fine	0.4	200_1.5h	181.33	217.09	220.24		220.35	0.002660	1.63	139.58	242.85	0.40
Fiume Elsa	fine	0.4	200_1h	161.66	217.09	220.19		220.30	0.002515	1.55	128.15	225.75	0.39
Fiume Elsa	fine	0.4	200_0.5h	119.48	217.09	220.07		220.15	0.002121	1.35	102.62	181.83	0.35
Fiume Elsa	fine	0.4	100_3h	157.99	217.09	220.18		220.29	0.002486	1.54	125.97	222.33	0.38
Fiume Elsa	fine	0.4	100_2.5h	160.76	217.09	220.19		220.29	0.002508	1.55	127.60	224.90	0.38
Fiume Elsa	fine	0.4	100_2h	159.43	217.09	220.18		220.29	0.002499	1.54	126.78	223.61	0.38
Fiume Elsa	fine	0.4	100_1.5h	151.66	217.09	220.17		220.27	0.002414	1.51	122.69	217.10	0.38
Fiume Elsa	fine	0.4	100_1h	132.65	217.09	220.13		220.21	0.002121	1.39	114.36	203.20	0.35
Fiume Elsa	fine	0.4	100_0.5h	100.07	217.09	219.93		220.02	0.002291	1.32	81.86	135.24	0.36
Fiume Elsa	fine	0.4	30_3h	116.96	217.09	220.05		220.14	0.002143	1.35	99.79	176.27	0.35
Fiume Elsa	fine	0.4	30_2.5h	117.66	217.09	220.05		220.14	0.002132	1.35	100.71	178.09	0.35
Fiume Elsa	fine	0.4	30_2h	115.00	217.09	220.04		220.12	0.002167	1.35	97.45	171.57	0.35
Fiume Elsa	fine	0.4	30_1.5h	106.43	217.09	219.98		220.06	0.002257	1.34	87.83	150.62	0.36
Fiume Elsa	fine	0.4	30_1h	98.80	217.09	219.92		220.01	0.002297	1.32	80.33	132.03	0.36
Fiume Elsa	fine	0.4	30_0.5h	57.26	217.09	219.53		219.59	0.001793	1.06	53.88	45.42	0.31
Fiume Elsa	fine	0.3	200_3h	184.82	215.44	219.04	219.15	219.43	0.010720	3.43	78.90	160.72	0.76
Fiume Elsa	fine	0.3	200_2.5h	170.13	215.44	219.01	219.11	219.39	0.010459	3.35	74.12	156.23	0.75
Fiume Elsa	fine	0.3	200_2h	187.99	215.44	219.04	219.16	219.43	0.010752	3.44	79.98	161.72	0.76
Fiume Elsa	fine	0.3	200_1.5h	181.29	215.44	219.03	219.14	219.42	0.010672	3.41	77.73	159.63	0.75
Fiume Elsa	fine	0.3	200_1h	161.62	215.44	218.99	219.10	219.60	0.014641	3.95	51.21	70.22	0.88
Fiume Elsa	fine	0.3	200_0.5h	119.43	215.44	218.87	219.00	219.35	0.011592	3.40	43.31	61.66	0.78
Fiume Elsa	fine	0.3	100_3h	157.99	215.44	218.98	219.09	219.58	0.014312	3.89	50.69	69.70	0.87
Fiume Elsa	fine	0.3	100_2.5h	160.74	215.44	218.99	219.09	219.60	0.014564	3.93	51.08	70.09	0.88
Fiume Elsa	fine	0.3	100_2h	159.42	215.44	218.99	219.09	219.59	0.014448	3.92	50.89	69.89	0.88
Fiume Elsa	fine	0.3	100_1.5h	151.65	215.44	218.97	219.07	219.54	0.013732	3.80	49.79	68.76	0.85
Fiume Elsa	fine	0.3	100_1h	133.00	215.44	218.93	219.03	219.42	0.011943	3.51	47.12	65.93	0.79
Fiume Elsa	fine	0.3	100_0.5h	99.34	215.44	218.76	218.86	219.22	0.011456	3.28	36.65	53.39	0.77
Fiume Elsa	fine	0.3	30_3h	116.93	215.44	218.86	218.97	219.33	0.011605	3.39	42.45	60.66	0.78
Fiume Elsa	fine	0.3	30_2.5h	117.64	215.44	218.86	219.00	219.33	0.011603	3.40	42.69	60.94	0.78
Fiume Elsa	fine	0.3	30_2h	114.96	215.44	218.85	218.96	219.32	0.011606	3.38	41.79	59.88	0.78
Fiume Elsa	fine	0.3	30_1.5h	106.39	215.44	218.80	218.91	219.26	0.011553	3.33	38.95	56.39	0.77
Fiume Elsa	fine	0.3	30_1h	98.00	215.44	218.75	218.85	219.21	0.011422	3.27	36.22	52.82	0.77
Fiume Elsa	fine	0.3	30_0.5h	56.25	215.44	218.41	218.08	218.77	0.009882	2.74	22.41	30.14	0.70
Fiume Elsa	fine	0.2	200_3h	184.77	213.74	217.25		217.45	0.006289	2.66	105.85	212.42	0.58
Fiume Elsa	fine	0.2	200_2.5h	170.10	213.74	217.22		217.42	0.006171	2.61	99.54	205.69	0.57
Fiume Elsa	fine	0.2	200_2h	187.96	213.74	217.25		217.46	0.006319	2.67	107.15	213.78	0.58
Fiume Elsa	fine	0.2	200_1.5h	181.24	213.74	217.24		217.44	0.006258	2.65	104.36	210.86	0.57
Fiume Elsa	fine	0.2	200_1h	161.53	213.74	217.20		217.39	0.006116	2.58	95.63	201.42	0.57
Fiume Elsa	fine	0.2	200_0.5h	119.34	213.74	217.10		217.28	0.005464	2.37	77.16	179.82	0.53
Fiume Elsa	fine	0.2	100_3h	157.96	213.74	217.19		217.39	0.006093	2.57	93.98	199.58	0.56
Fiume Elsa	fine	0.2	100_2.5h	160.69	213.74	217.20		217.39	0.006108	2.58	95.27	201.01	0.57
Fiume Elsa	fine	0.2	100_2h	159.37	213.74	217.19		217.39	0.006100	2.58	94.65	200.33	0.56
Fiume Elsa	fine	0.2	100_1.5h	151.61	213.74	217.18		217.37	0.005984	2.54	91.45	196.73	0.56
Fiume Elsa	fine	0.2	100_1h	132.89	213.74	217.14		217.32	0.005689	2.44	83.37	187.36	0.54
Fiume Elsa	fine	0.2	100_0.5h	97.94	213.74	217.05	217.03	217.36	0.007975	2.81	43.56	62.86	0.64
Fiume Elsa	fine	0.2	30_3h	116.89	213.74	217.10		217.27	0.005411	2.35	76.06	178.46	0.53
Fiume Elsa	fine	0.2	30_2.5h	117.59	213.74	217.10		217.27	0.005432	2.36	76.34	178.80	0.53
Fiume Elsa	fine	0.2	30_2h	114.90	213.74	217.09		217.26	0.005371	2.34	75.14	177.30	0.53
Fiume Elsa	fine	0.2	30_1.5h	106.32	213.74	217.07		217.23	0.005160	2.28	71.31	172.41	0.51
Fiume Elsa	fine	0.2	30_1h	96.41	213.74	217.04	217.02	217.35	0.007832	2.78	43.29	62.55	0.63
Fiume Elsa	fine	0.2	30_0.5h	56.96	213.74	216.89		217.06	0.004376	2.00	34.73	51.61	0.47
Fiume Elsa	fine	0.1	200_3h	184.74	212.57	216.08	215.96	216.26	0.005181	2.42	107.85	195.26	0.51
Fiume Elsa	fine	0.1	200_2.5h	170.06	212.57	216.06	215.95	216.23	0.004700	2.30	104.51	190.05	0.49
Fiume Elsa	fine	0.1	200_2h	187.92	212.57	216.08	215.97	216.27	0.005278	2.45	108.63	196.45	0.52
Fiume Elsa	fine	0.1	200_1.5h	181.19	212.57	216.08	215.95	216.25	0.005068	2.39	107.02	193.98	0.51
Fiume Elsa	fine	0.1	200_1h	161.46	212.57	216.05	215.95	216.21	0.004411	2.22	102.55	186.94	0.47
Fiume Elsa	fine	0.1	200_0.5h	119.30	212.57	216.00	215.95	216.10	0.002928	1.78	93.53	171.85	0.38
Fiume Elsa	fine	0.1	100_3h	157.93	212.57	216.05	215.95	216.20	0.004291	2.18	101.76	185.66	0.47
Fiume Elsa	fine	0.1	100_2.5h	160.64	212.57	216.05	215.95	216.20	0.004382	2.21	102.38	186.66	0.47
Fiume Elsa	fine	0.1	100_2h	159.33	212.57	216.05	215.95	216.20	0.004337	2.20	102.10	186.21	0.47
Fiume Elsa	fine	0.1	100_1.5h	151.56	212.57	216.04	215.95	216.18	0.004071	2.12	100.35	183.37	0.45
Fiume Elsa	fine	0.1	100_1h	132.85	212.57	216.02	215.95	216.14	0.003411	1.93	96.35	176.69	0.41
Fiume Elsa	fine	0.1	100_0.5h	97.53	212.57	215.98	215.77	216.05	0.002163	1.52	89.18	164.07	0.33
Fiume Elsa	fine	0.1	30_3h	116.86	212.57	216.00	215.95	216.10	0.002843	1.75	93.01	170.93	0.38
Fiume Elsa	fine	0.1	30_2.5h	117.56	212.57	216.00	215.95	216.10	0.002867	1.76	93.16	171.21	0.38
Fiume Elsa	fine	0.1	30_2h	114.88	212.57	216.00	215.95	216.09	0.002770	1.73	92.64	170.29	0.37
Fiume Elsa	fine	0.1	30_1.5h	106.30	212.57	215.99	215.95	216.07	0.002469	1.63	90.89	167.18	0.35
Fiume Elsa	fine	0.1	30_1h	95.96	212.57	215.98	215.75	216.05	0.002109	1.50	88.88	163.53	0.33
Fiume Elsa	fine	0.1	30_0.5h	56.93	212.57	215.82	215.02	216.15	0.006451	2.53	22.51	11.02	0.56
Borro Foci	pievescola	15	200_3h	48.68	233.16	235.05		235.37	0.013817	2.53	19.22	19.29	0.81
Borro Foci	pievescola	15	200_2.5h	54.10	233.16	235.12		235.47	0.013517	2.61	20.72	19.51	0.81
Borro Foci	pievescola	15	200_2h	59.92	233.16	235.19		235.57	0.013889	2.73	21.94	19.68	0.83
Borro Foci	pievescola	15	200_1.5h	64.33	233.16	235.24		235.64	0.013768	2.79	23.05	19.83	0.83
Borro Foci	pievescola	15	200_1h	62.77	233.16	235.23		235.62	0.013520	2.75	22.82	19.80	0.82
Borro Foci	pievescola	15	200_0.5h	48.26	233.16	235.04		235.37	0.013773	2.52	19.13	19.28	0.81
Borro Foci	pievescola	15	100_3h	42.31	233.16	234.95		235.25	0.013909	2.42	17.47	18.88	0.80
Borro Foci	pievescola	15	100_2.5h	46.87	233.16	235.02		235.34	0.013855	2.50	18.73	19.20	0.81
Borro Foci	pievescola	15	100_2h	51.40	233.16	235.09		235.42	0.013683	2.57	19.97	19.40	0.81
Borro Foci	pievescola	15	100_1.5h	54.41	233.16	235.13		235.48	0.013480	2.61	20.81	19.52	0.81
Borro Foci	pievescola	15	100_1h	51.78	233.16	235.09		235.43	0.013660	2.58	20.07	19.41	0.81
Borro Foci	pievescola	15	100_0.5h	37.93	233.16	234.89		235.17	0.013964	2.34	16.22	18.56	0.80
Borro Foci	pievescola	15	30_3h	33.08	233.16	234.80		235.06	0.014811	2.28	14.52	18.11	0.81
Borro Foci	pievescola	15	30_2.5h	36.26	233.16	234.86		235.13	0.014246	2.32	15.64	18.41	0.80
Borro Foci	pievescola	15	30_2h	38.84	233.16	234.90		235.19	0.013917	2.35	16.49	18.63	0.80
Borro Foci	pievescola	15	30_1.5h	39.48	233.16	234.91		235.20	0.013832	2.36	16.71	18.69	0.80
Borro Foci	pievescola	15	30_1h	35.33	233.16	234.84		235.11	0.01438				

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Borro Foci	pievescola	14	100_1.5h	54.30	230.29	232.69		233.05	0.014522	2.63	20.62	20.21	0.83
Borro Foci	pievescola	14	100_1h	51.63	230.29	232.66		233.00	0.014715	2.60	19.88	20.11	0.83
Borro Foci	pievescola	14	100_0.5h	37.87	230.29	232.46		232.74	0.014062	2.35	16.10	18.27	0.80
Borro Foci	pievescola	14	30_3h	33.08	230.29	232.39		232.64	0.013484	2.23	14.84	17.66	0.78
Borro Foci	pievescola	14	30_2.5h	36.23	230.29	232.44		232.71	0.013780	2.31	15.71	18.09	0.79
Borro Foci	pievescola	14	30_2h	38.84	230.29	232.47		232.76	0.014185	2.38	16.35	18.39	0.80
Borro Foci	pievescola	14	30_1.5h	39.42	230.29	232.48		232.77	0.014271	2.39	16.49	18.47	0.81
Borro Foci	pievescola	14	30_1h	35.27	230.29	232.43		232.69	0.013706	2.28	15.45	17.96	0.79
Borro Foci	pievescola	14	30_0.5h	23.15	230.29	232.25		232.43	0.010906	1.87	12.41	16.43	0.69
Borro Foci	pievescola	13	200_3h	48.67	230.27	232.59		232.71	0.003723	1.65	33.26	37.60	0.43
Borro Foci	pievescola	13	200_2.5h	54.09	230.27	232.69		232.80	0.003411	1.64	36.74	38.14	0.41
Borro Foci	pievescola	13	200_2h	59.82	230.27	232.78		232.90	0.003106	1.62	40.51	38.71	0.40
Borro Foci	pievescola	13	200_1.5h	64.14	230.27	232.83		232.95	0.003097	1.64	42.45	39.01	0.40
Borro Foci	pievescola	13	200_1h	62.50	230.27	232.80		232.92	0.003250	1.66	41.08	38.80	0.41
Borro Foci	pievescola	13	200_0.5h	48.10	230.27	232.58		232.70	0.003769	1.66	32.86	37.54	0.43
Borro Foci	pievescola	13	100_3h	42.30	230.27	232.49		232.60	0.004115	1.67	29.25	36.97	0.45
Borro Foci	pievescola	13	100_2.5h	46.85	230.27	232.56		232.68	0.003848	1.66	32.06	37.41	0.44
Borro Foci	pievescola	13	100_2h	51.33	230.27	232.64		232.75	0.003548	1.64	35.02	37.87	0.42
Borro Foci	pievescola	13	100_1.5h	54.28	230.27	232.69		232.80	0.003410	1.64	36.83	38.15	0.41
Borro Foci	pievescola	13	100_1h	51.58	230.27	232.64		232.76	0.003536	1.64	35.17	37.90	0.42
Borro Foci	pievescola	13	100_0.5h	37.86	230.27	232.41		232.52	0.004482	1.68	26.32	36.50	0.46
Borro Foci	pievescola	13	30_3h	33.08	230.27	232.32		232.44	0.004921	1.69	23.15	35.99	0.48
Borro Foci	pievescola	13	30_2.5h	36.23	230.27	232.38		232.49	0.004614	1.68	25.26	36.33	0.47
Borro Foci	pievescola	13	30_2h	38.84	230.27	232.42		232.54	0.004398	1.68	26.96	36.61	0.46
Borro Foci	pievescola	13	30_1.5h	39.42	230.27	232.43		232.55	0.004350	1.68	27.34	36.67	0.46
Borro Foci	pievescola	13	30_1h	35.27	230.27	232.36		232.48	0.004710	1.69	24.61	36.23	0.47
Borro Foci	pievescola	13	30_0.5h	23.14	230.27	232.12		232.25	0.006298	1.73	15.95	34.80	0.53
Borro Foci	pievescola	12	200_3h	48.67	230.06	232.01		232.39	0.015481	2.71	17.97	17.86	0.86
Borro Foci	pievescola	12	200_2.5h	54.08	230.06	232.12		232.50	0.014258	2.71	19.95	18.61	0.84
Borro Foci	pievescola	12	200_2h	59.77	230.06	232.25		232.61	0.012474	2.66	22.48	19.52	0.79
Borro Foci	pievescola	12	200_1.5h	64.08	230.06	232.39		232.72	0.010381	2.54	25.55	26.28	0.73
Borro Foci	pievescola	12	200_1h	62.42	230.06	232.35		232.68	0.010926	2.57	24.33	20.16	0.75
Borro Foci	pievescola	12	200_0.5h	48.06	230.06	232.00		232.37	0.015620	2.71	17.75	17.78	0.86
Borro Foci	pievescola	12	100_3h	42.30	230.06	231.90		232.26	0.016371	2.65	15.95	17.07	0.88
Borro Foci	pievescola	12	100_2.5h	46.84	230.06	231.98		232.35	0.015833	2.70	17.35	17.62	0.87
Borro Foci	pievescola	12	100_2h	51.32	230.06	232.06		232.44	0.014940	2.72	18.90	18.22	0.85
Borro Foci	pievescola	12	100_1.5h	54.23	230.06	232.12		232.50	0.014235	2.71	20.00	18.63	0.84
Borro Foci	pievescola	12	100_1h	51.56	230.06	232.07		232.44	0.014906	2.72	18.98	18.25	0.85
Borro Foci	pievescola	12	100_0.5h	37.85	230.06	231.81		232.16	0.016849	2.60	14.57	16.45	0.88
Borro Foci	pievescola	12	30_3h	33.07	230.06	231.73		232.05	0.016963	2.51	13.16	15.70	0.88
Borro Foci	pievescola	12	30_2.5h	36.22	230.06	231.79		232.12	0.016878	2.57	14.10	16.20	0.88
Borro Foci	pievescola	12	30_2h	38.83	230.06	231.83		232.18	0.016778	2.61	14.87	16.60	0.88
Borro Foci	pievescola	12	30_1.5h	39.41	230.06	231.84		232.19	0.016732	2.62	15.05	16.69	0.88
Borro Foci	pievescola	12	30_1h	35.26	230.06	231.77		232.10	0.016923	2.55	13.81	16.05	0.88
Borro Foci	pievescola	12	30_0.5h	23.13	230.06	231.52		231.79	0.017542	2.29	10.11	14.23	0.87
Borro Foci	pievescola	11	200_3h	48.67	229.36	231.74		231.94	0.006181	1.98	24.58	19.31	0.56
Borro Foci	pievescola	11	200_2.5h	54.07	229.36	231.90		232.10	0.005278	1.95	27.77	19.82	0.52
Borro Foci	pievescola	11	200_2h	59.76	229.36	232.10		232.28	0.004374	1.89	31.62	20.42	0.48
Borro Foci	pievescola	11	200_1.5h	64.05	229.36	232.26		232.43	0.003706	1.83	35.03	20.94	0.45
Borro Foci	pievescola	11	200_1h	62.39	229.36	232.20		232.37	0.003930	1.85	33.74	20.74	0.46
Borro Foci	pievescola	11	200_0.5h	48.04	229.36	231.72		231.92	0.006290	1.98	24.22	19.25	0.56
Borro Foci	pievescola	11	100_3h	42.30	229.36	231.57		231.77	0.007160	1.98	21.35	18.78	0.59
Borro Foci	pievescola	11	100_2.5h	46.83	229.36	231.69		231.89	0.006510	1.99	23.55	19.14	0.57
Borro Foci	pievescola	11	100_2h	51.31	229.36	231.82		232.01	0.005766	1.97	26.04	19.54	0.54
Borro Foci	pievescola	11	100_1.5h	54.20	229.36	231.91		232.10	0.005260	1.95	27.85	19.83	0.52
Borro Foci	pievescola	11	100_1h	51.52	229.36	231.82		232.02	0.005738	1.97	26.16	19.56	0.54
Borro Foci	pievescola	11	100_0.5h	37.85	229.36	231.47		231.66	0.007670	1.95	19.41	18.47	0.61
Borro Foci	pievescola	11	30_3h	33.07	229.36	231.36		231.54	0.008112	1.89	17.47	18.15	0.62
Borro Foci	pievescola	11	30_2.5h	36.21	229.36	231.44		231.63	0.007657	1.92	18.87	18.38	0.60
Borro Foci	pievescola	11	30_2h	38.82	229.36	231.49		231.68	0.007581	1.96	19.81	18.53	0.60
Borro Foci	pievescola	11	30_1.5h	39.40	229.36	231.50		231.70	0.007520	1.96	20.06	18.57	0.60
Borro Foci	pievescola	11	30_1h	35.25	229.36	231.41		231.60	0.007790	1.91	18.44	18.31	0.61
Borro Foci	pievescola	11	30_0.5h	23.13	229.36	231.11		231.27	0.008860	1.76	13.11	16.20	0.63
Borro Foci	pievescola	10	200_3h	48.67	228.87	231.57		231.78	0.005018	2.07	23.61	18.02	0.57
Borro Foci	pievescola	10	200_2.5h	54.07	228.87	231.76		231.97	0.004108	1.99	27.29	19.08	0.53
Borro Foci	pievescola	10	200_2h	59.76	228.87	231.99		232.17	0.003292	1.90	31.80	21.30	0.48
Borro Foci	pievescola	10	200_1.5h	64.05	228.87	232.18		232.34	0.002678	1.81	35.98	22.94	0.44
Borro Foci	pievescola	10	200_1h	62.40	228.87	232.11		232.28	0.002908	1.84	34.39	22.52	0.45
Borro Foci	pievescola	10	200_0.5h	48.04	228.87	231.54		231.76	0.005140	2.08	23.20	17.90	0.58
Borro Foci	pievescola	10	100_3h	42.30	228.87	231.35		231.58	0.006380	2.14	19.81	17.11	0.63
Borro Foci	pievescola	10	100_2.5h	46.83	228.87	231.50		231.72	0.005386	2.09	22.42	17.67	0.59
Borro Foci	pievescola	10	100_2h	51.31	228.87	231.66		231.87	0.004577	2.03	25.31	18.52	0.55
Borro Foci	pievescola	10	100_1.5h	54.20	228.87	231.77		231.97	0.004088	1.99	27.38	19.11	0.52
Borro Foci	pievescola	10	100_1h	51.52	228.87	231.67		231.88	0.004545	2.03	25.44	18.56	0.55
Borro Foci	pievescola	10	100_0.5h	37.01	228.87	231.21		231.44	0.007102	2.11	17.54	16.63	0.65
Borro Foci	pievescola	10	30_3h	33.07	228.87	231.08		231.32	0.008611	2.16	15.30	16.09	0.71
Borro Foci	pievescola	10	30_2.5h	36.21	228.87	231.19		231.42	0.007333	2.12	17.11	16.55	0.66
Borro Foci	pievescola	10	30_2h	38.82	228.87	231.24		231.48	0.007232	2.16	17.98	16.73	0.66
Borro Foci	pievescola	10	30_1.5h	39.40	228.87	231.26		231.50	0.007096	2.16	18.27	16.79	0.66
Borro Foci	pievescola	10	30_1h	35.25	228.87	231.15		231.39	0.007735	2.13	16.53	16.42	0.68
Borro Foci	pievescola	10	30_0.5h	23.12	228.87	230.73		230.99	0.012120	2.25	10.28	13.08	0.81
Borro Foci	pievescola	9	200_3h	48.67	227.96	231.65	230.25	231.77	0.001209	1.51	33.45	18.49	0.33
Borro Foci	pievescola	9	200_2.5h	54.07	227.96	231.83	230.39	231.95	0.001121	1.53	36.92	19.74	0.32
Borro Foci	pievescola	9	200_2h	59.76	227.96	232.04	230.53	232.16	0.001007	1.54	41.27	21.89	0.31
Borro Foci	pievescola	9	200_1.5h	64.04	227.96	232.22	230.61	232.33	0.000899	1.52	45.27	23.20	0.29
Borro Foci	pievescola	9	200_1h	62.40	227.96	232.15	230.58	232.27	0.000937	1.53	43.76	22.82	0.30
Borro Foci	pievescola	9	200_0.5h	48.04	227.96	231.63	230.24	231.74	0.001219	1.51	33.06	18.38	0.33
Borro Foci	pievescola	9	100_3h	42.30	227.96	231.45	230.09	231.56	0.001282	1.46	2		

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Borro Foci	pievescola	9	30_1.5h	39.40	227.96	231.37	230.03	231.47	0.001299	1.42	28.35	17.17	0.33
Borro Foci	pievescola	9	30_1h	35.25	227.96	231.26	229.93	231.35	0.001266	1.35	26.59	16.81	0.32
Borro Foci	pievescola	9	30_0.5h	23.12	227.96	230.85	229.61	230.92	0.001151	1.16	20.15	14.14	0.30
Borro Foci	pievescola	8.5	Bridge										
Borro Foci	pievescola	8	200_3h	48.67	228.44	231.07		231.44	0.004677	2.72	18.34	11.00	0.61
Borro Foci	pievescola	8	200_2.5h	54.06	228.44	231.13		231.56	0.005237	2.93	18.97	11.10	0.65
Borro Foci	pievescola	8	200_2h	54.29	228.44	231.13		231.56	0.005273	2.94	18.98	11.10	0.65
Borro Foci	pievescola	8	200_1.5h	54.24	228.44	231.12		231.56	0.005273	2.94	18.97	11.10	0.65
Borro Foci	pievescola	8	200_1h	54.26	228.44	231.12		231.56	0.005290	2.94	18.95	11.10	0.65
Borro Foci	pievescola	8	200_0.5h	48.03	228.44	231.06		231.43	0.004600	2.69	18.28	10.99	0.60
Borro Foci	pievescola	8	100_3h	42.30	228.44	231.01		231.31	0.003888	2.43	17.74	10.90	0.55
Borro Foci	pievescola	8	100_2.5h	46.82	228.44	231.05		231.40	0.004446	2.63	18.17	10.97	0.59
Borro Foci	pievescola	8	100_2h	51.31	228.44	231.09		231.49	0.005006	2.83	18.58	11.04	0.63
Borro Foci	pievescola	8	100_1.5h	54.19	228.44	231.13		231.56	0.005259	2.93	18.97	11.10	0.65
Borro Foci	pievescola	8	100_1h	51.51	228.44	231.09		231.50	0.005031	2.84	18.60	11.04	0.63
Borro Foci	pievescola	8	100_0.5h	36.99	228.44	231.00		231.23	0.003054	2.14	17.57	10.88	0.49
Borro Foci	pievescola	8	30_3h	33.07	228.44	230.93		231.13	0.002780	1.99	16.79	10.75	0.46
Borro Foci	pievescola	8	30_2.5h	36.21	228.44	230.99		231.21	0.002989	2.11	17.44	10.86	0.48
Borro Foci	pievescola	8	30_2h	37.04	228.44	231.00		231.23	0.003052	2.14	17.59	10.88	0.49
Borro Foci	pievescola	8	30_1.5h	37.06	228.44	231.00		231.23	0.003064	2.15	17.58	10.88	0.49
Borro Foci	pievescola	8	30_1h	35.25	228.44	230.97		231.19	0.002925	2.08	17.25	10.83	0.48
Borro Foci	pievescola	8	30_0.5h	23.12	228.44	230.71		230.84	0.002016	1.58	14.69	8.80	0.39
Borro Foci	pievescola	7	200_3h	48.67	228.52	231.24		231.40	0.002457	1.79	29.41	23.15	0.42
Borro Foci	pievescola	7	200_2.5h	54.07	228.52	231.33		231.50	0.002527	1.87	31.53	24.16	0.43
Borro Foci	pievescola	7	200_2h	54.28	228.52	231.33		231.50	0.002538	1.87	31.58	24.18	0.43
Borro Foci	pievescola	7	200_1.5h	64.04	228.52	231.37		231.59	0.003293	2.16	32.44	24.58	0.49
Borro Foci	pievescola	7	200_1h	62.39	228.52	231.35		231.57	0.003245	2.13	31.98	24.37	0.48
Borro Foci	pievescola	7	200_0.5h	48.04	228.52	231.23		231.39	0.002441	1.77	29.20	23.04	0.41
Borro Foci	pievescola	7	100_3h	42.30	228.52	231.15		231.28	0.002270	1.66	27.25	22.06	0.40
Borro Foci	pievescola	7	100_2.5h	46.83	228.52	231.21		231.36	0.002409	1.75	28.78	22.84	0.41
Borro Foci	pievescola	7	100_2h	51.31	228.52	231.28		231.44	0.002521	1.83	30.33	23.59	0.42
Borro Foci	pievescola	7	100_1.5h	54.19	228.52	231.33		231.50	0.002533	1.87	31.56	24.18	0.43
Borro Foci	pievescola	7	100_1h	51.51	228.52	231.28		231.45	0.002526	1.84	30.40	23.62	0.42
Borro Foci	pievescola	7	100_0.5h	36.96	228.52	231.10		231.21	0.001932	1.50	26.16	21.49	0.36
Borro Foci	pievescola	7	30_3h	33.07	228.52	231.00		231.11	0.001896	1.43	24.23	20.45	0.36
Borro Foci	pievescola	7	30_2.5h	36.21	228.52	231.08		231.19	0.001919	1.49	25.82	21.31	0.36
Borro Foci	pievescola	7	30_2h	37.02	228.52	231.10		231.21	0.001930	1.50	26.20	21.52	0.36
Borro Foci	pievescola	7	30_1.5h	39.39	228.52	231.10		231.23	0.002170	1.59	26.27	21.55	0.39
Borro Foci	pievescola	7	30_1h	35.24	228.52	231.06		231.16	0.001914	1.47	25.32	21.05	0.36
Borro Foci	pievescola	7	30_0.5h	23.12	228.52	230.75		230.82	0.001714	1.22	19.33	17.53	0.33
Borro Foci	pievescola	6	200_3h	48.67	228.62	231.07	231.06	231.51	0.008962	3.13	18.37	20.45	0.78
Borro Foci	pievescola	6	200_2.5h	54.06	228.62	231.15	231.14	231.61	0.009035	3.24	19.91	21.29	0.79
Borro Foci	pievescola	6	200_2h	59.76	228.62	231.21	231.22	231.70	0.009432	3.38	21.18	21.96	0.81
Borro Foci	pievescola	6	200_1.5h	64.04	228.62	231.25	231.28	231.77	0.009642	3.48	22.18	22.47	0.82
Borro Foci	pievescola	6	200_1h	62.39	228.62	231.23	231.25	231.74	0.009564	3.44	21.80	22.28	0.82
Borro Foci	pievescola	6	200_0.5h	48.04	228.62	231.07	231.05	231.50	0.008934	3.12	18.20	20.35	0.78
Borro Foci	pievescola	6	100_3h	42.30	228.62	230.99	230.95	231.39	0.008574	2.96	16.70	19.50	0.76
Borro Foci	pievescola	6	100_2.5h	46.83	228.62	231.05	231.03	231.48	0.008868	3.08	17.88	20.18	0.77
Borro Foci	pievescola	6	100_2h	51.31	228.62	231.11	231.10	231.56	0.009071	3.19	19.07	20.83	0.79
Borro Foci	pievescola	6	100_1.5h	54.20	228.62	231.15	231.14	231.61	0.009049	3.24	19.93	21.30	0.79
Borro Foci	pievescola	6	100_1h	51.52	228.62	231.11	231.10	231.56	0.009084	3.20	19.12	20.86	0.79
Borro Foci	pievescola	6	100_0.5h	37.84	228.62	230.93	230.87	231.29	0.008206	2.82	15.54	18.80	0.73
Borro Foci	pievescola	6	30_3h	33.07	228.62	230.84	230.77	231.18	0.008293	2.71	13.85	17.75	0.73
Borro Foci	pievescola	6	30_2.5h	36.21	228.62	230.90	230.84	231.26	0.008260	2.79	14.95	18.44	0.73
Borro Foci	pievescola	6	30_2h	38.82	228.62	230.94	230.89	231.32	0.008297	2.85	15.79	18.96	0.74
Borro Foci	pievescola	6	30_1.5h	39.40	228.62	230.95	230.90	231.33	0.008342	2.87	15.95	19.05	0.74
Borro Foci	pievescola	6	30_1h	35.24	228.62	230.88	230.82	231.24	0.008280	2.77	14.61	18.23	0.73
Borro Foci	pievescola	6	30_0.5h	23.12	228.62	230.60		230.90	0.008584	2.45	10.05	13.90	0.72
Borro Foci	pievescola	5	200_3h	48.67	228.54	230.83	230.84	231.23	0.013411	2.90	18.60	23.75	0.79
Borro Foci	pievescola	5	200_2.5h	54.06	228.54	230.91	230.91	231.31	0.013006	2.95	20.47	24.61	0.78
Borro Foci	pievescola	5	200_2h	59.76	228.54	230.97	230.98	231.39	0.013085	3.03	22.08	25.34	0.79
Borro Foci	pievescola	5	200_1.5h	64.04	228.54	231.02	231.02	231.45	0.013230	3.10	23.18	25.82	0.79
Borro Foci	pievescola	5	200_1h	62.39	228.54	231.00	231.01	231.43	0.013164	3.08	22.77	25.64	0.79
Borro Foci	pievescola	5	200_0.5h	48.04	228.54	230.82	230.83	231.22	0.013386	2.89	18.42	23.66	0.79
Borro Foci	pievescola	5	100_3h	42.30	228.54	230.75	230.74	231.12	0.013127	2.77	16.74	22.85	0.77
Borro Foci	pievescola	5	100_2.5h	46.83	228.54	230.81	230.81	231.20	0.013330	2.86	18.08	23.50	0.78
Borro Foci	pievescola	5	100_2h	51.31	228.54	230.86	230.87	231.27	0.013486	2.95	19.36	24.10	0.79
Borro Foci	pievescola	5	100_1.5h	54.19	228.54	230.91	230.91	231.31	0.013007	2.95	20.51	24.63	0.78
Borro Foci	pievescola	5	100_1h	51.51	228.54	230.87	230.88	231.27	0.013491	2.95	19.42	24.13	0.79
Borro Foci	pievescola	5	100_0.5h	37.84	228.54	230.69	230.57	231.04	0.012946	2.67	15.32	22.14	0.76
Borro Foci	pievescola	5	30_3h	33.07	228.54	230.60	230.44	230.93	0.013482	2.60	13.30	19.66	0.77
Borro Foci	pievescola	5	30_2.5h	36.21	228.54	230.65	230.53	231.00	0.013520	2.68	14.46	21.69	0.78
Borro Foci	pievescola	5	30_2h	38.82	228.54	230.70	230.58	231.06	0.013000	2.69	15.63	22.29	0.77
Borro Foci	pievescola	5	30_1.5h	39.39	228.54	230.71	230.58	231.07	0.013043	2.71	15.81	22.38	0.77
Borro Foci	pievescola	5	30_1h	35.24	228.54	230.63	230.51	230.98	0.013538	2.66	14.10	21.51	0.78
Borro Foci	pievescola	5	30_0.5h	23.12	228.54	230.36		230.63	0.014133	2.32	10.03	12.15	0.77
Borro Foci	pievescola	4	200_3h	48.67	228.22	230.59		230.87	0.014866	2.35	20.68	24.66	0.82
Borro Foci	pievescola	4	200_2.5h	54.06	228.22	230.66		230.95	0.014923	2.40	22.52	26.54	0.83
Borro Foci	pievescola	4	200_2h	59.76	228.22	230.74		231.04	0.014323	2.43	24.65	29.09	0.82
Borro Foci	pievescola	4	200_1.5h	64.03	228.22	230.79		231.10	0.013997	2.46	26.23	30.84	0.81
Borro Foci	pievescola	4	200_1h	62.38	228.22	230.77		231.07	0.014107	2.45	25.62	30.18	0.81
Borro Foci	pievescola	4	200_0.5h	48.03	228.22	230.58		230.86	0.014794	2.35	20.48	24.42	0.82
Borro Foci	pievescola	4	100_3h	42.30	228.22	230.50		230.76	0.013806	2.26	18.70	22.29	0.79
Borro Foci	pievescola	4	100_2.5h	46.83	228.22	230.56		230.84	0.014625	2.33	20.09	23.98	0.81
Borro Foci	pievescola	4	100_2h	51.31	228.22	230.62		230.91	0.015094	2.38	21.57	25.61	0.83
Borro Foci	pievescola	4	100_1.5h	54.19	228.22	230.66		230.96	0.014920	2.40	22.56	26.59	0.83
Borro Foci	pievescola	4	100_1h	51.51	228.22	230.63		230.91	0.015099	2.38	21.63	25.65	0.83
Borro Foci	pievescola	4	100_0.										

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Borro Foci	pievescola	3	200_3h	48.65	227.37	230.02		230.38	0.017170	2.66	18.27	18.84	0.86
Borro Foci	pievescola	3	200_2.5h	54.06	227.37	230.09		230.48	0.017311	2.77	19.50	19.04	0.87
Borro Foci	pievescola	3	200_2h	59.75	227.37	230.16		230.57	0.017250	2.87	20.83	19.25	0.88
Borro Foci	pievescola	3	200_1.5h	64.02	227.37	230.21		230.64	0.017124	2.94	21.82	20.50	0.88
Borro Foci	pievescola	3	200_1h	62.38	227.37	230.19		230.62	0.017202	2.91	21.43	19.84	0.88
Borro Foci	pievescola	3	200_0.5h	48.03	227.37	230.01		230.37	0.017150	2.65	18.12	18.81	0.86
Borro Foci	pievescola	3	100_3h	42.30	227.37	229.93		230.26	0.017336	2.55	16.61	18.44	0.86
Borro Foci	pievescola	3	100_2.5h	46.82	227.37	230.00		230.35	0.017107	2.62	17.84	18.77	0.86
Borro Foci	pievescola	3	100_2h	51.31	227.37	230.05		230.43	0.017278	2.72	18.87	18.93	0.87
Borro Foci	pievescola	3	100_1.5h	54.18	227.37	230.09		230.48	0.017311	2.77	19.53	19.04	0.87
Borro Foci	pievescola	3	100_1h	51.51	227.37	230.06		230.43	0.017266	2.72	18.92	18.94	0.87
Borro Foci	pievescola	3	100_0.5h	37.83	227.37	229.86		230.17	0.017532	2.46	15.36	18.09	0.85
Borro Foci	pievescola	3	30_3h	33.07	227.37	229.79		230.07	0.017681	2.36	14.02	17.70	0.85
Borro Foci	pievescola	3	30_2.5h	36.20	227.37	229.84		230.14	0.017681	2.43	14.88	17.95	0.85
Borro Foci	pievescola	3	30_2h	38.81	227.37	229.88		230.19	0.017577	2.49	15.61	18.16	0.86
Borro Foci	pievescola	3	30_1.5h	39.39	227.37	229.89		230.20	0.017478	2.49	15.80	18.21	0.85
Borro Foci	pievescola	3	30_1h	35.24	227.37	229.82		230.12	0.017718	2.41	14.61	17.87	0.85
Borro Foci	pievescola	3	30_0.5h	23.11	227.37	229.60		229.83	0.019592	2.16	10.72	16.72	0.86
Borro Foci	pievescola	2	200_3h	48.62	227.69	229.70		230.09	0.017507	2.77	17.55	18.38	0.90
Borro Foci	pievescola	2	200_2.5h	54.06	227.69	229.76		230.19	0.018372	2.90	18.61	18.82	0.93
Borro Foci	pievescola	2	200_2h	59.72	227.69	229.83		230.29	0.018231	2.99	19.97	19.17	0.94
Borro Foci	pievescola	2	200_1.5h	64.02	227.69	229.88		230.36	0.018200	3.06	20.90	19.30	0.94
Borro Foci	pievescola	2	200_1h	62.38	227.69	229.86		230.33	0.018284	3.04	20.52	19.25	0.94
Borro Foci	pievescola	2	200_0.5h	47.92	227.69	229.70		230.08	0.017236	2.74	17.47	18.34	0.90
Borro Foci	pievescola	2	100_3h	42.28	227.69	229.61		229.97	0.017684	2.67	15.83	17.63	0.90
Borro Foci	pievescola	2	100_2.5h	46.81	227.69	229.67		230.06	0.017794	2.76	16.99	18.14	0.91
Borro Foci	pievescola	2	100_2h	51.31	227.69	229.73		230.14	0.018256	2.86	17.97	18.56	0.93
Borro Foci	pievescola	2	100_1.5h	54.18	227.69	229.76		230.19	0.018391	2.91	18.64	18.83	0.93
Borro Foci	pievescola	2	100_1h	51.47	227.69	229.73		230.14	0.017991	2.84	18.11	18.61	0.92
Borro Foci	pievescola	2	100_0.5h	37.60	227.69	229.57		229.88	0.015599	2.47	15.23	17.36	0.84
Borro Foci	pievescola	2	30_3h	33.07	227.69	229.46		229.77	0.017489	2.48	13.35	16.50	0.88
Borro Foci	pievescola	2	30_2.5h	36.20	227.69	229.51		229.84	0.017734	2.56	14.16	16.88	0.89
Borro Foci	pievescola	2	30_2h	38.73	227.69	229.55		229.90	0.017695	2.60	14.87	17.20	0.89
Borro Foci	pievescola	2	30_1.5h	39.33	227.69	229.57		229.91	0.017152	2.59	15.20	17.35	0.88
Borro Foci	pievescola	2	30_1h	35.12	227.69	229.53		229.83	0.015701	2.43	14.47	17.02	0.84
Borro Foci	pievescola	2	30_0.5h	23.08	227.69	229.30		229.53	0.015473	2.13	10.82	15.26	0.81
Borro Foci	pievescola	1.89		Lat Struct									
Borro Foci	pievescola	1.1	200_3h	24.47	225.97	229.22		229.29	0.001527	1.21	21.04	12.58	0.26
Borro Foci	pievescola	1.1	200_2.5h	33.43	225.97	229.09		229.25	0.003515	1.77	19.50	12.14	0.40
Borro Foci	pievescola	1.1	200_2h	27.55	225.97	229.25		229.34	0.001826	1.33	21.50	12.71	0.29
Borro Foci	pievescola	1.1	200_1.5h	33.29	225.97	229.22		229.35	0.002806	1.64	21.10	12.59	0.36
Borro Foci	pievescola	1.1	200_1h	34.17	225.97	229.10		229.26	0.003621	1.80	19.60	12.17	0.41
Borro Foci	pievescola	1.1	200_0.5h	32.25	225.97	228.83		229.03	0.005235	2.00	16.49	11.22	0.48
Borro Foci	pievescola	1.1	100_3h	25.31	225.97	229.04		229.13	0.002221	1.38	18.83	11.94	0.32
Borro Foci	pievescola	1.1	100_2.5h	26.45	225.97	229.06		229.16	0.002305	1.42	19.18	12.04	0.32
Borro Foci	pievescola	1.1	100_2h	30.47	225.97	229.06		229.20	0.003072	1.64	19.15	12.03	0.37
Borro Foci	pievescola	1.1	100_1.5h	34.51	225.97	229.03		229.21	0.004197	1.90	18.72	11.91	0.44
Borro Foci	pievescola	1.1	100_1h	32.43	225.97	228.92		229.10	0.004486	1.90	17.48	11.53	0.45
Borro Foci	pievescola	1.1	100_0.5h	28.48	225.97	228.63		228.83	0.006174	2.02	14.27	10.49	0.52
Borro Foci	pievescola	1.1	30_3h	23.91	225.97	228.77		228.89	0.003269	1.54	15.76	10.99	0.38
Borro Foci	pievescola	1.1	30_2.5h	25.98	225.97	228.79		228.92	0.003725	1.66	15.96	11.05	0.41
Borro Foci	pievescola	1.1	30_2h	27.46	225.97	228.78		228.93	0.004214	1.76	15.89	11.03	0.43
Borro Foci	pievescola	1.1	30_1.5h	28.50	225.97	228.73		228.91	0.005055	1.89	15.30	10.84	0.47
Borro Foci	pievescola	1.1	30_1h	27.39	225.97	228.58		228.78	0.006335	2.01	13.77	10.32	0.53
Borro Foci	pievescola	1.1	30_0.5h	20.95	225.97	228.25		228.45	0.008236	1.98	10.59	9.16	0.59
Borro Foci	pievescola	1	200_3h	24.47	225.97	229.22		229.29	0.001527	1.20	21.04	12.58	0.26
Borro Foci	pievescola	1	200_2.5h	33.43	225.97	229.09		229.25	0.003517	1.77	19.50	12.14	0.40
Borro Foci	pievescola	1	200_2h	27.55	225.97	229.25		229.34	0.001825	1.33	21.50	12.71	0.29
Borro Foci	pievescola	1	200_1.5h	33.29	225.97	229.22		229.35	0.002808	1.64	21.09	12.59	0.36
Borro Foci	pievescola	1	200_1h	34.17	225.97	229.10		229.26	0.003625	1.80	19.60	12.16	0.41
Borro Foci	pievescola	1	200_0.5h	32.16	225.97	228.83		229.03	0.005210	1.99	16.48	11.22	0.48
Borro Foci	pievescola	1	100_3h	25.00	225.97	229.03		229.13	0.002169	1.37	18.83	11.94	0.31
Borro Foci	pievescola	1	100_2.5h	26.45	225.97	229.06		229.16	0.002306	1.42	19.18	12.04	0.32
Borro Foci	pievescola	1	100_2h	30.47	225.97	229.06		229.19	0.003074	1.64	19.15	12.03	0.37
Borro Foci	pievescola	1	100_1.5h	34.43	225.97	229.03		229.20	0.004181	1.89	18.72	11.90	0.44
Borro Foci	pievescola	1	100_1h	32.43	225.97	228.92		229.10	0.004491	1.90	17.48	11.53	0.45
Borro Foci	pievescola	1	100_0.5h	28.48	225.97	228.63		228.83	0.006182	2.02	14.27	10.49	0.52
Borro Foci	pievescola	1	30_3h	23.88	225.97	228.77		228.89	0.003263	1.54	15.76	10.99	0.38
Borro Foci	pievescola	1	30_2.5h	25.98	225.97	228.78		228.92	0.003727	1.66	15.96	11.05	0.41
Borro Foci	pievescola	1	30_2h	27.46	225.97	228.78		228.93	0.004216	1.76	15.89	11.03	0.43
Borro Foci	pievescola	1	30_1.5h	28.50	225.97	228.72		228.91	0.005065	1.89	15.29	10.83	0.47
Borro Foci	pievescola	1	30_1h	27.39	225.97	228.58		228.78	0.006343	2.01	13.76	10.32	0.53
Borro Foci	pievescola	1	30_0.5h	21.00	225.97	228.25		228.45	0.008303	1.98	10.58	9.16	0.59
Borro di Mezzo	pievescola	8	200_3h	67.10	228.28	231.14		231.21	0.001404	0.92	57.90	45.13	0.23
Borro di Mezzo	pievescola	8	200_2.5h	67.36	228.28	231.14		231.21	0.001403	0.92	58.14	45.34	0.23
Borro di Mezzo	pievescola	8	200_2h	65.63	228.28	231.11		231.18	0.001406	0.92	56.54	43.97	0.23
Borro di Mezzo	pievescola	8	200_1.5h	61.03	228.28	231.01		231.08	0.001509	0.92	52.30	42.45	0.23
Borro di Mezzo	pievescola	8	200_1h	52.33	228.28	230.82		230.89	0.001759	0.95	44.44	39.69	0.25
Borro di Mezzo	pievescola	8	200_0.5h	36.97	228.28	230.35		230.44	0.003463	1.16	27.55	32.97	0.33
Borro di Mezzo	pievescola	8	100_3h	56.00	228.28	230.90		230.97	0.001629	0.93	47.89	40.93	0.24
Borro di Mezzo	pievescola	8	100_2.5h	55.81	228.28	230.90		230.97	0.001635	0.94	47.72	40.86	0.24
Borro di Mezzo	pievescola	8	100_2h	53.90	228.28	230.85		230.93	0.001697	0.94	45.95	40.23	0.24
Borro di Mezzo	pievescola	8	100_1.5h	49.61	228.28	230.75		230.82	0.001896	0.97	41.70	38.68	0.25
Borro di Mezzo	pievescola	8	100_1h	41.78	228.28	230.51		230.59	0.002660	1.07	32.85	35.22	0.30
Borro di Mezzo	pievescola	8	100_0.5h	28.44	228.28	230.18		230.27	0.003869	1.15	22.20	30.65	0.35
Borro di Mezzo	pievescola	8	30_3h	39.66	228.28	230.43		230.52	0.003033	1.12	30.28	34.15	0.31
Borro di Mezzo	pievescola	8	30_2.5h	38.83	228.28	230.41		230.50	0.003158	1.13	29.43	33.78	0.32
Borro di Mezzo	pievescola	8	30_2h	36.79	228.28	230.35		230.44	0.003500	1.17	27.36	32.89	0.33
Borro di Mezzo	pievescola	8	30_1.5h	32.94	228.28	230.26		230.36	0.003763	1.18			

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Borro di Mezzo	pievescola	7.5*	200_1h	52.33	227.97	230.78		230.83	0.001488	1.01	50.33	49.81	0.31
Borro di Mezzo	pievescola	7.5*	200_0.5h	36.97	227.97	230.20		230.31	0.004590	1.51	25.63	33.11	0.46
Borro di Mezzo	pievescola	7.5*	100_3h	56.00	227.97	230.87		230.92	0.001368	0.99	55.01	53.39	0.30
Borro di Mezzo	pievescola	7.5*	100_2.5h	55.81	227.97	230.86		230.92	0.001372	0.99	54.78	53.17	0.30
Borro di Mezzo	pievescola	7.5*	100_2h	53.90	227.97	230.82		230.87	0.001427	1.00	52.36	50.86	0.30
Borro di Mezzo	pievescola	7.5*	100_1.5h	49.60	227.97	230.70		230.76	0.001646	1.04	46.58	48.27	0.32
Borro di Mezzo	pievescola	7.5*	100_1h	41.77	227.97	230.42		230.50	0.002756	1.25	33.85	41.74	0.42
Borro di Mezzo	pievescola	7.5*	100_0.5h	28.44	227.97	229.91		230.06	0.008634	1.82	17.07	27.21	0.57
Borro di Mezzo	pievescola	7.5*	30_3h	39.65	227.97	230.32		230.41	0.003463	1.37	29.88	38.06	0.44
Borro di Mezzo	pievescola	7.5*	30_2.5h	38.82	227.97	230.28		230.38	0.003778	1.41	28.50	36.42	0.45
Borro di Mezzo	pievescola	7.5*	30_2h	36.76	227.97	230.19		230.30	0.004688	1.52	25.34	32.79	0.46
Borro di Mezzo	pievescola	7.5*	30_1.5h	32.93	227.97	230.06		230.18	0.006186	1.65	21.29	29.46	0.49
Borro di Mezzo	pievescola	7.5*	30_1h	26.57	227.97	229.85		230.01	0.010015	1.90	15.48	26.68	0.61
Borro di Mezzo	pievescola	7.5*	30_0.5h	15.31	227.97	229.59	229.60	229.77	0.015181	2.01	8.70	24.22	0.72
Borro di Mezzo	pievescola	7.49		Lat Struct									
Borro di Mezzo	pievescola	7	200_3h	61.36	227.65	231.12		231.14	0.000263	0.65	101.64	63.44	0.15
Borro di Mezzo	pievescola	7	200_2.5h	61.53	227.65	231.13		231.15	0.000262	0.65	102.01	63.50	0.15
Borro di Mezzo	pievescola	7	200_2h	60.45	227.65	231.09		231.11	0.000271	0.66	99.62	63.07	0.15
Borro di Mezzo	pievescola	7	200_1.5h	57.49	227.65	230.99		231.01	0.000299	0.67	93.08	61.88	0.16
Borro di Mezzo	pievescola	7	200_1h	51.16	227.65	230.78		230.80	0.000363	0.69	80.43	59.51	0.17
Borro di Mezzo	pievescola	7	200_0.5h	36.97	227.65	230.17		230.21	0.000906	0.85	46.62	51.27	0.26
Borro di Mezzo	pievescola	7	100_3h	53.94	227.65	230.87		230.89	0.000331	0.68	86.05	60.58	0.16
Borro di Mezzo	pievescola	7	100_2.5h	53.80	227.65	230.87		230.89	0.000333	0.68	85.77	60.52	0.16
Borro di Mezzo	pievescola	7	100_2h	52.37	227.65	230.82		230.84	0.000349	0.68	82.89	59.98	0.17
Borro di Mezzo	pievescola	7	100_1.5h	48.95	227.65	230.70		230.72	0.000396	0.70	75.77	58.61	0.18
Borro di Mezzo	pievescola	7	100_1h	41.77	227.65	230.41		230.44	0.000592	0.76	59.24	55.30	0.21
Borro di Mezzo	pievescola	7	100_0.5h	28.44	227.65	229.82		229.87	0.001746	1.01	29.77	42.48	0.35
Borro di Mezzo	pievescola	7	30_3h	39.64	227.65	230.30		230.33	0.000710	0.80	53.52	53.51	0.23
Borro di Mezzo	pievescola	7	30_2.5h	38.82	227.65	230.26		230.29	0.000763	0.81	51.36	52.82	0.24
Borro di Mezzo	pievescola	7	30_2h	36.76	227.65	230.16		230.20	0.000924	0.86	46.10	51.09	0.26
Borro di Mezzo	pievescola	7	30_1.5h	32.93	227.65	230.01		230.05	0.001214	0.92	38.45	48.08	0.30
Borro di Mezzo	pievescola	7	30_1h	26.57	227.65	229.73		229.79	0.002075	1.07	26.27	39.53	0.38
Borro di Mezzo	pievescola	7	30_0.5h	15.34	227.65	229.32		229.39	0.003489	1.17	13.27	22.12	0.46
Borro di Mezzo	pievescola	6	200_3h	59.64	227.35	231.10	229.60	231.14	0.000559	0.96	64.22	35.58	0.22
Borro di Mezzo	pievescola	6	200_2.5h	59.77	227.35	231.10	229.60	231.15	0.000556	0.95	64.43	35.60	0.22
Borro di Mezzo	pievescola	6	200_2h	58.89	227.35	231.06	229.59	231.11	0.000575	0.96	63.06	35.48	0.22
Borro di Mezzo	pievescola	6	200_1.5h	56.41	227.35	230.96	229.53	231.00	0.000633	0.98	59.32	35.16	0.23
Borro di Mezzo	pievescola	6	200_1h	50.80	227.35	230.75	229.37	230.80	0.000747	1.00	51.97	33.95	0.25
Borro di Mezzo	pievescola	6	200_0.5h	36.96	227.35	230.13	229.11	230.20	0.001373	1.15	32.75	28.49	0.34
Borro di Mezzo	pievescola	6	100_3h	53.32	227.35	230.84	229.44	230.89	0.000696	0.99	55.23	34.80	0.24
Borro di Mezzo	pievescola	6	100_2.5h	53.20	227.35	230.84	229.44	230.88	0.000699	0.99	55.07	34.77	0.24
Borro di Mezzo	pievescola	6	100_2h	51.91	227.35	230.79	229.41	230.84	0.000724	1.00	53.40	34.33	0.25
Borro di Mezzo	pievescola	6	100_1.5h	48.75	227.35	230.67	229.32	230.72	0.000795	1.01	49.29	33.23	0.26
Borro di Mezzo	pievescola	6	100_1h	41.77	227.35	230.37	229.20	230.43	0.001035	1.07	39.90	30.55	0.29
Borro di Mezzo	pievescola	6	100_0.5h	28.44	227.35	229.77	228.93	229.85	0.001950	1.26	23.07	24.27	0.41
Borro di Mezzo	pievescola	6	30_3h	39.64	227.35	230.26	229.16	230.32	0.001169	1.10	36.67	29.62	0.31
Borro di Mezzo	pievescola	6	30_2.5h	38.82	227.35	230.22	229.15	230.28	0.001227	1.12	35.45	29.27	0.32
Borro di Mezzo	pievescola	6	30_2h	36.76	227.35	230.12	229.10	230.19	0.001389	1.16	32.46	28.40	0.34
Borro di Mezzo	pievescola	6	30_1.5h	32.93	227.35	229.96	229.03	230.03	0.001616	1.20	28.13	27.10	0.37
Borro di Mezzo	pievescola	6	30_1h	26.57	227.35	229.69	228.89	229.77	0.002086	1.29	21.13	21.89	0.41
Borro di Mezzo	pievescola	6	30_0.5h	15.33	227.35	229.31	228.61	229.36	0.001750	1.07	14.69	13.38	0.31
Borro di Mezzo	pievescola	5.5		Bridge									
Borro di Mezzo	pievescola	5	200_3h	59.36	227.39	229.84		230.42	0.014689	3.37	17.70	11.56	0.85
Borro di Mezzo	pievescola	5	200_2.5h	58.57	227.39	229.88		230.41	0.013125	3.24	18.19	11.77	0.81
Borro di Mezzo	pievescola	5	200_2h	58.50	227.39	229.83		230.40	0.014540	3.35	17.59	11.54	0.84
Borro di Mezzo	pievescola	5	200_1.5h	56.13	227.39	229.80		230.34	0.014155	3.27	17.27	11.50	0.83
Borro di Mezzo	pievescola	5	200_1h	50.30	227.39	229.73		230.21	0.013186	3.07	16.45	11.40	0.80
Borro di Mezzo	pievescola	5	200_0.5h	33.52	227.39	229.38		229.74	0.013566	2.66	12.59	10.91	0.79
Borro di Mezzo	pievescola	5	100_3h	53.16	227.39	229.76		230.27	0.013666	3.17	16.86	11.45	0.82
Borro di Mezzo	pievescola	5	100_2.5h	53.16	227.39	229.76		230.27	0.013731	3.17	16.83	11.45	0.82
Borro di Mezzo	pievescola	5	100_2h	51.40	227.39	229.74		230.23	0.013374	3.11	16.61	11.42	0.81
Borro di Mezzo	pievescola	5	100_1.5h	48.63	227.39	229.69		230.16	0.013318	3.04	16.05	11.35	0.80
Borro di Mezzo	pievescola	5	100_1h	41.77	227.39	229.46		229.95	0.017036	3.11	13.45	11.02	0.89
Borro di Mezzo	pievescola	5	100_0.5h	28.44	227.39	229.19		229.56	0.016035	2.69	10.57	10.34	0.85
Borro di Mezzo	pievescola	5	30_3h	39.64	227.39	229.42		229.89	0.016921	3.04	13.05	10.97	0.89
Borro di Mezzo	pievescola	5	30_2.5h	38.82	227.39	229.41		229.87	0.016863	3.01	12.89	10.95	0.88
Borro di Mezzo	pievescola	5	30_2h	36.76	227.39	229.37		229.81	0.016790	2.95	12.47	10.89	0.88
Borro di Mezzo	pievescola	5	30_1.5h	32.90	227.39	229.29		229.70	0.016512	2.83	11.61	10.66	0.87
Borro di Mezzo	pievescola	5	30_1h	26.57	227.39	229.15		229.50	0.015684	2.62	10.15	10.21	0.84
Borro di Mezzo	pievescola	5	30_0.5h	17.10	227.39	228.90		229.15	0.014367	2.23	7.88	9.41	0.79
Borro di Mezzo	pievescola	4	200_3h	58.11	226.77	229.92		230.08	0.003021	2.01	33.31	24.84	0.40
Borro di Mezzo	pievescola	4	200_2.5h	54.61	226.77	230.00		230.13	0.002191	1.75	35.52	24.88	0.34
Borro di Mezzo	pievescola	4	200_2h	57.27	226.77	229.91		230.07	0.002973	1.99	33.14	24.77	0.40
Borro di Mezzo	pievescola	4	200_1.5h	54.88	226.77	229.89		230.04	0.002847	1.94	32.63	24.58	0.39
Borro di Mezzo	pievescola	4	200_1h	48.92	226.77	229.81		229.94	0.002671	1.84	30.66	23.81	0.38
Borro di Mezzo	pievescola	4	200_0.5h	33.48	226.77	229.40		229.52	0.003176	1.77	21.67	19.95	0.40
Borro di Mezzo	pievescola	4	100_3h	52.72	226.77	229.85		229.99	0.002853	1.92	31.64	24.20	0.39
Borro di Mezzo	pievescola	4	100_2.5h	51.02	226.77	229.84		229.98	0.002688	1.86	31.57	24.17	0.38
Borro di Mezzo	pievescola	4	100_2h	49.75	226.77	229.82		229.96	0.002674	1.85	31.04	23.96	0.38
Borro di Mezzo	pievescola	4	100_1.5h	47.70	226.77	229.77		229.91	0.002747	1.84	29.78	23.46	0.38
Borro di Mezzo	pievescola	4	100_1h	41.77	226.77	229.41		229.60	0.004816	2.19	21.88	20.05	0.49
Borro di Mezzo	pievescola	4	100_0.5h	28.44	226.77	229.13		229.28	0.004616	1.95	16.71	17.46	0.47
Borro di Mezzo	pievescola	4	30_3h	39.64	226.77	229.37		229.56	0.004754	2.15	21.15	19.71	0.48
Borro di Mezzo	pievescola	4	30_2.5h	38.82	226.77	229.36		229.54	0.004726	2.13	20.86	19.57	0.48
Borro di Mezzo	pievescola	4	30_2h	31.08	226.77	229.34		229.46	0.003176	1.74	20.50	19.40	0.39
Borro di Mezzo	pievescola	4	30_1.5h	32.88	226.77	229.23		229.40	0.004645	2.03	18.57	18.44	0.47
Borro di Mezzo	pievescola	4	30_1h	26.57	226.77	229.09		229.24	0.004526	1.90	16.00	17.08	0.46
Borro di Mezzo	pievescola	4	30_0.5h	16.69	226.77	228.82		228.93	0.004308	1.65			

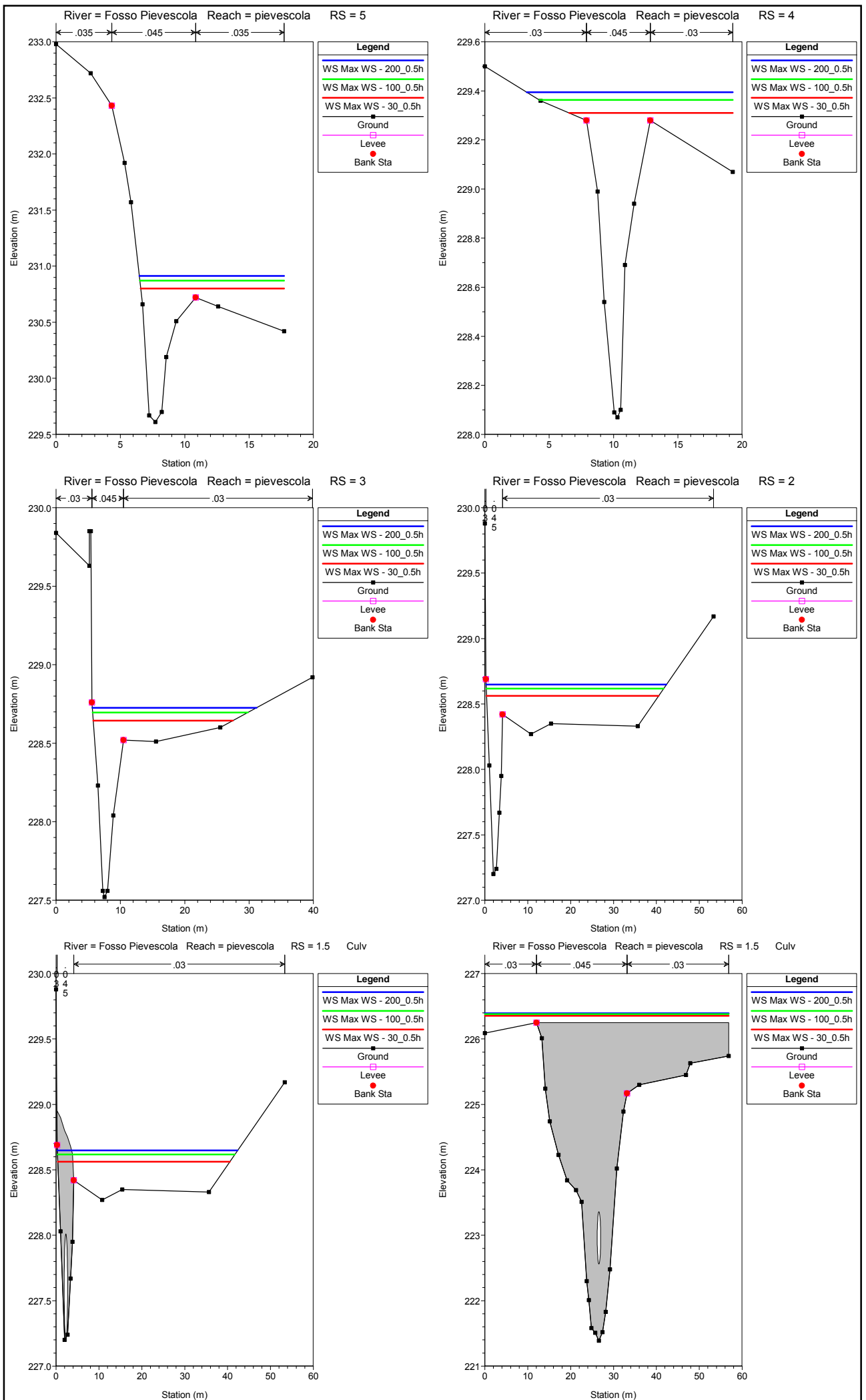
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Borro di Mezzo	pievescola	3	200_1h	49.86	226.74	229.01		229.34	0.012326	2.64	19.88	21.82	0.76
Borro di Mezzo	pievescola	3	200_0.5h	35.82	226.74	228.77		229.08	0.015266	2.55	14.71	20.15	0.81
Borro di Mezzo	pievescola	3	100_3h	53.33	226.74	229.03		229.39	0.013186	2.76	20.12	21.96	0.79
Borro di Mezzo	pievescola	3	100_2.5h	52.28	226.74	229.05		229.38	0.011974	2.66	20.52	22.13	0.75
Borro di Mezzo	pievescola	3	100_2h	50.97	226.74	229.02		229.36	0.012437	2.67	19.91	21.89	0.76
Borro di Mezzo	pievescola	3	100_1.5h	47.64	226.74	228.97		229.30	0.012967	2.65	18.76	21.52	0.77
Borro di Mezzo	pievescola	3	100_1h	40.26	226.74	228.84		229.16	0.014692	2.62	16.09	20.63	0.81
Borro di Mezzo	pievescola	3	100_0.5h	27.02	226.74	228.62	228.60	228.89	0.017560	2.45	11.66	19.06	0.85
Borro di Mezzo	pievescola	3	30_3h	39.61	226.74	228.80	228.78	229.15	0.016489	2.71	15.32	20.37	0.85
Borro di Mezzo	pievescola	3	30_2.5h	38.82	226.74	228.79	228.77	229.13	0.016432	2.69	15.14	20.30	0.85
Borro di Mezzo	pievescola	3	30_2h	36.72	226.74	228.77	228.74	229.09	0.016397	2.64	14.60	20.12	0.84
Borro di Mezzo	pievescola	3	30_1.5h	32.72	226.74	228.70	228.69	229.01	0.017233	2.58	13.31	19.66	0.85
Borro di Mezzo	pievescola	3	30_1h	25.11	226.74	228.57	228.57	228.85	0.018925	2.45	10.84	18.76	0.87
Borro di Mezzo	pievescola	3	30_0.5h	16.69	226.74	228.30	228.42	228.86	0.060284	3.39	5.07	11.17	1.46
Borro di Mezzo	pievescola	2	200_3h	59.67	226.15	229.23		229.43	0.003002	2.18	31.42	22.10	0.43
Borro di Mezzo	pievescola	2	200_2.5h	58.12	226.15	229.14		229.36	0.003337	2.25	29.57	21.28	0.45
Borro di Mezzo	pievescola	2	200_2h	57.43	226.15	229.25		229.43	0.002687	2.07	31.82	22.11	0.41
Borro di Mezzo	pievescola	2	200_1.5h	54.94	226.15	229.21		229.39	0.002659	2.04	30.89	21.87	0.41
Borro di Mezzo	pievescola	2	200_1h	46.56	226.15	229.06		229.22	0.002505	1.91	27.85	20.50	0.39
Borro di Mezzo	pievescola	2	200_0.5h	35.37	226.15	228.77		228.90	0.002436	1.73	22.80	16.06	0.38
Borro di Mezzo	pievescola	2	100_3h	52.44	226.15	229.05		229.26	0.003230	2.16	27.67	20.42	0.44
Borro di Mezzo	pievescola	2	100_2.5h	52.23	226.15	229.07		229.27	0.003091	2.12	28.05	20.59	0.43
Borro di Mezzo	pievescola	2	100_2h	50.75	226.15	229.05		229.24	0.003023	2.09	27.68	20.42	0.43
Borro di Mezzo	pievescola	2	100_1.5h	47.44	226.15	228.99		229.16	0.002821	1.98	26.45	18.07	0.41
Borro di Mezzo	pievescola	2	100_1h	38.32	226.15	228.85		228.98	0.002416	1.76	24.12	16.23	0.38
Borro di Mezzo	pievescola	2	100_0.5h	25.94	226.15	228.53		228.63	0.002241	1.53	19.06	15.56	0.35
Borro di Mezzo	pievescola	2	30_3h	38.74	226.15	228.74		228.90	0.003090	1.93	22.38	16.00	0.42
Borro di Mezzo	pievescola	2	30_2.5h	37.29	226.15	228.74		228.89	0.002855	1.85	22.40	16.00	0.41
Borro di Mezzo	pievescola	2	30_2h	33.60	226.15	228.72		228.84	0.002433	1.70	22.04	15.96	0.37
Borro di Mezzo	pievescola	2	30_1.5h	30.12	226.15	228.66		228.77	0.002247	1.60	21.04	15.82	0.36
Borro di Mezzo	pievescola	2	30_1h	23.94	226.15	228.47		228.57	0.002213	1.49	18.13	15.43	0.35
Borro di Mezzo	pievescola	2	30_0.5h	16.58	226.15	228.02		228.14	0.004145	1.69	11.35	14.60	0.46
Borro di Mezzo	pievescola	1	200_3h	58.32	225.51	229.04		229.25	0.003097	1.90	28.87	11.96	0.36
Borro di Mezzo	pievescola	1	200_2.5h	57.26	225.51	228.96		229.18	0.003286	1.93	27.95	11.96	0.37
Borro di Mezzo	pievescola	1	200_2h	56.40	225.51	229.07		229.26	0.002781	1.81	29.26	11.96	0.34
Borro di Mezzo	pievescola	1	200_1.5h	52.06	225.51	229.05		229.22	0.002439	1.69	28.98	11.96	0.32
Borro di Mezzo	pievescola	1	200_1h	45.24	225.51	228.96		229.09	0.002071	1.53	27.86	11.96	0.30
Borro di Mezzo	pievescola	1	200_0.5h	35.15	225.51	228.70		228.80	0.001781	1.35	24.76	11.96	0.28
Borro di Mezzo	pievescola	1	100_3h	51.12	225.51	228.90		229.08	0.002844	1.77	27.19	11.96	0.35
Borro di Mezzo	pievescola	1	100_2.5h	50.58	225.51	228.92		229.10	0.002702	1.74	27.47	11.96	0.34
Borro di Mezzo	pievescola	1	100_2h	49.47	225.51	228.92		229.09	0.002593	1.70	27.44	11.96	0.33
Borro di Mezzo	pievescola	1	100_1.5h	44.44	225.51	228.88		229.02	0.002200	1.56	26.98	11.96	0.31
Borro di Mezzo	pievescola	1	100_1h	36.76	225.51	228.78		228.88	0.001735	1.36	25.73	11.96	0.27
Borro di Mezzo	pievescola	1	100_0.5h	25.59	225.51	228.50		228.57	0.001278	1.10	22.40	11.96	0.24
Borro di Mezzo	pievescola	1	30_3h	38.15	225.51	228.66		228.79	0.002208	1.50	24.34	11.96	0.31
Borro di Mezzo	pievescola	1	30_2.5h	36.63	225.51	228.67		228.79	0.002011	1.43	24.45	11.96	0.29
Borro di Mezzo	pievescola	1	30_2h	33.86	225.51	228.66		228.76	0.001745	1.33	24.32	11.96	0.27
Borro di Mezzo	pievescola	1	30_1.5h	29.81	225.51	228.61		228.69	0.001448	1.20	23.78	11.96	0.25
Borro di Mezzo	pievescola	1	30_1h	23.86	225.51	228.44		228.51	0.001215	1.06	21.75	11.96	0.23
Borro di Mezzo	pievescola	1	30_0.5h	14.28	225.51	228.02		228.06	0.000973	0.85	16.73	11.96	0.21

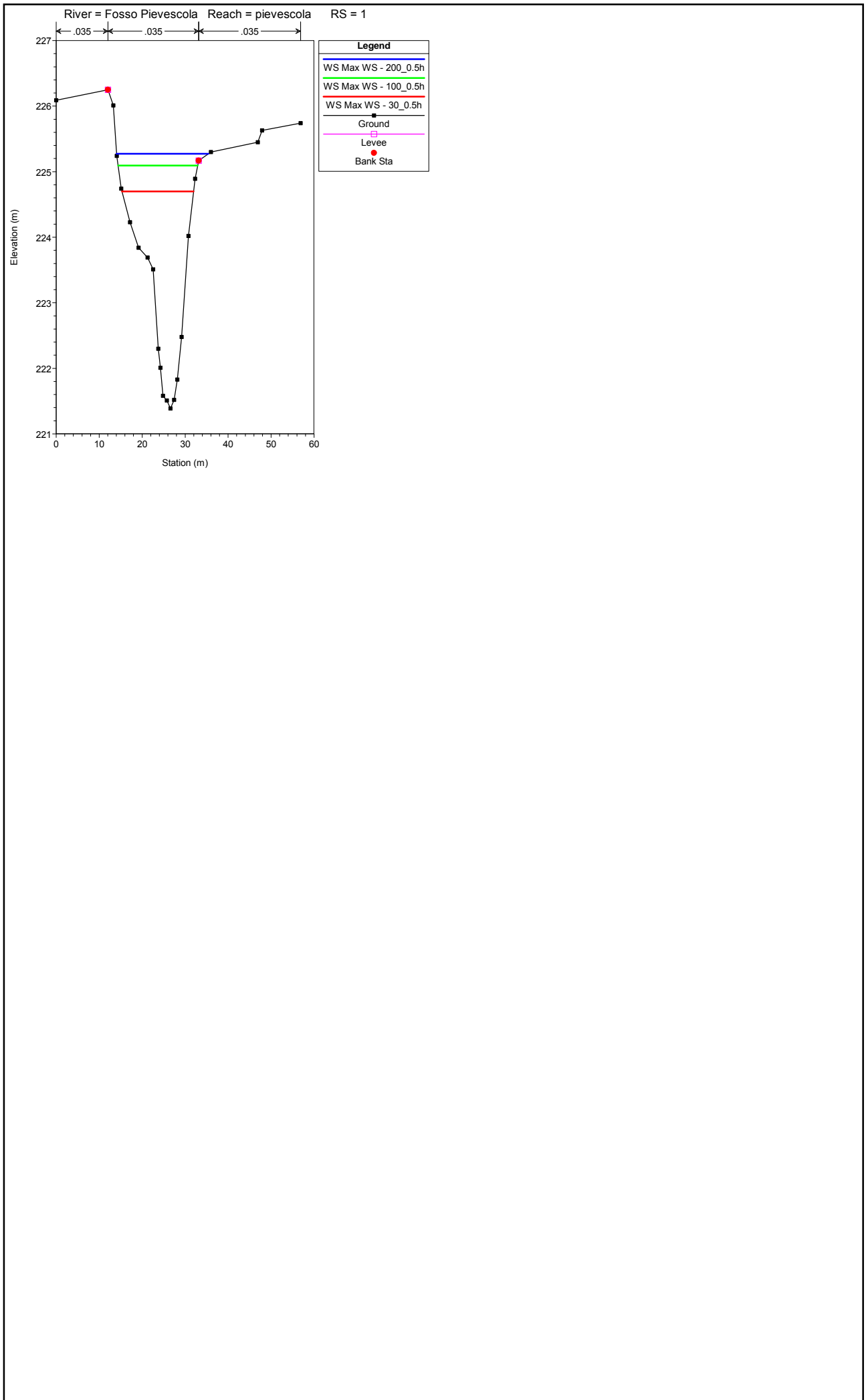
HEC-RAS Profile: Max WS

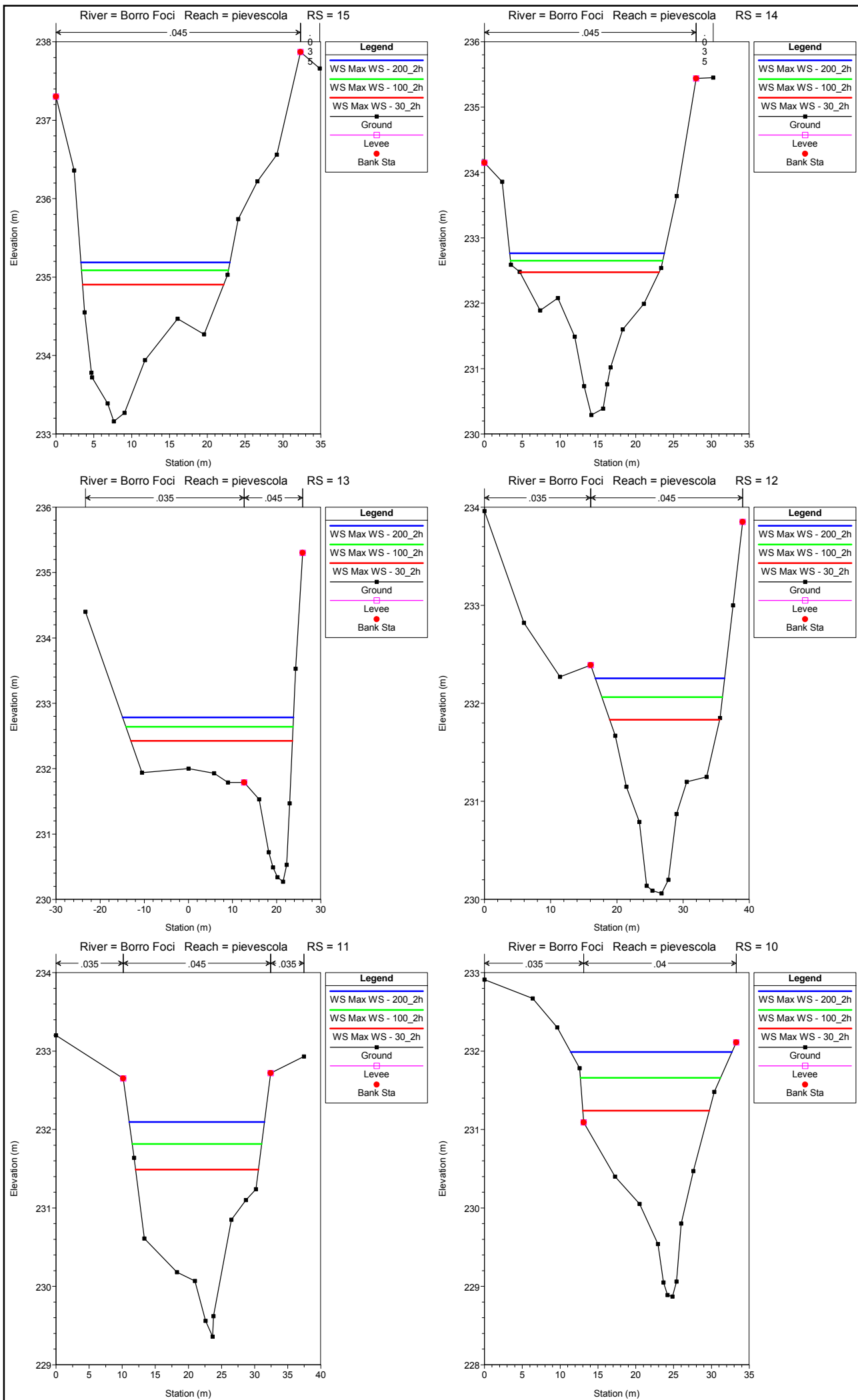
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
ELSA 1	200_3h	230.44	228.90	36.20	21.73	12.39
ELSA 1	200_2.5h	229.92	228.90	8.40	13.28	3.21
ELSA 1	200_2h	230.47	228.90	28.48	21.73	12.99
ELSA 1	200_1.5h	230.32	228.90	28.21	19.51	9.96
ELSA 1	200_1h	230.08	228.90	22.68	13.28	5.35
ELSA 1	200_0.5h	229.57	228.90	0.28	4.05	0.67
ELSA 1	100_3h	230.10	228.90	23.56	13.28	5.56
ELSA 1	100_2.5h	230.13	228.90	20.16	19.51	6.25
ELSA 1	100_2h	230.09	228.90	24.15	13.28	5.51
ELSA 1	100_1.5h	229.95	228.90	13.63	13.28	3.62
ELSA 1	100_1h	229.77	228.90	5.63	4.05	1.48
ELSA 1	100_0.5h	228.90	228.90	0.00	0.20	0.00
ELSA 1	30_3h	229.55	228.90	0.09	4.05	0.57
ELSA 1	30_2.5h	229.56	228.90	0.15	4.05	0.63
ELSA 1	30_2h	229.51	228.90	0.15	4.05	0.40
ELSA 1	30_1.5h	229.24	228.90	0.07	1.06	0.10
ELSA 1	30_1h	228.90	228.90	0.00	0.20	0.00
ELSA 1	30_0.5h	228.90	228.90	0.00	0.20	0.00
ELSA 2	200_3h	230.46	228.40	15.61	7.10	5.53
ELSA 2	200_2.5h	229.92	228.40	15.66	4.70	2.31
ELSA 2	200_2h	230.47	228.40	34.61	7.10	5.58
ELSA 2	200_1.5h	230.32	228.40	28.48	6.42	4.61
ELSA 2	200_1h	230.09	228.40	18.29	4.70	3.14
ELSA 2	200_0.5h	229.57	228.40	0.34	2.53	1.19
ELSA 2	100_3h	230.12	228.40	11.56	6.42	3.30
ELSA 2	100_2.5h	230.14	228.40	20.05	6.42	3.41
ELSA 2	100_2h	230.11	228.40	16.81	6.42	3.25
ELSA 2	100_1.5h	229.96	228.40	8.43	4.70	2.52
ELSA 2	100_1h	229.75	228.40	4.53	2.53	1.65
ELSA 2	100_0.5h	229.13	228.40	0.10	1.06	0.44
ELSA 2	30_3h	229.55	228.40	0.09	2.53	1.14
ELSA 2	30_2.5h	229.56	228.40	0.22	2.53	1.17
ELSA 2	30_2h	229.52	228.40	0.57	2.53	1.06
ELSA 2	30_1.5h	229.39	228.40	0.79	1.64	0.83
ELSA 2	30_1h	228.94	228.40	0.14	1.06	0.25
ELSA 2	30_0.5h	228.40	228.40	0.00	0.16	0.00
ELSA 3	200_3h	228.92	227.00	9.82	5.23	3.12
ELSA 3	200_2.5h	228.85	227.00	5.38	3.92	2.81
ELSA 3	200_2h	228.94	227.00	14.31	5.23	3.23
ELSA 3	200_1.5h	228.93	227.00	9.69	5.23	3.16
ELSA 3	200_1h	228.82	227.00	10.15	3.92	2.71
ELSA 3	200_0.5h	228.52	227.00	2.77	2.82	1.63
ELSA 3	100_3h	228.77	227.00	8.45	3.92	2.51
ELSA 3	100_2.5h	228.79	227.00	10.06	3.92	2.58
ELSA 3	100_2h	228.79	227.00	7.21	3.92	2.61
ELSA 3	100_1.5h	228.76	227.00	0.53	3.92	2.46
ELSA 3	100_1h	228.62	227.00	3.58	3.92	1.90
ELSA 3	100_0.5h	228.34	227.00	0.76	2.82	1.10
ELSA 3	30_3h	228.48	227.00	0.45	2.82	1.51
ELSA 3	30_2.5h	228.49	227.00	1.02	2.82	1.54
ELSA 3	30_2h	228.47	227.00	0.89	2.82	1.49
ELSA 3	30_1.5h	228.42	227.00	1.60	2.82	1.34
ELSA 3	30_1h	228.30	227.00	0.59	2.82	1.01
ELSA 3	30_0.5h	228.08	227.00	0.21	1.81	0.60
ELSA 4	200_3h	226.71	225.70	0.30	7.63	3.28
ELSA 4	200_2.5h	226.51	225.70	0.22	7.63	1.75
ELSA 4	200_2h	226.76	225.70	0.36	7.63	3.65
ELSA 4	200_1.5h	226.66	225.70	0.62	7.63	2.88
ELSA 4	200_1h	226.44	225.70	0.21	4.25	1.45

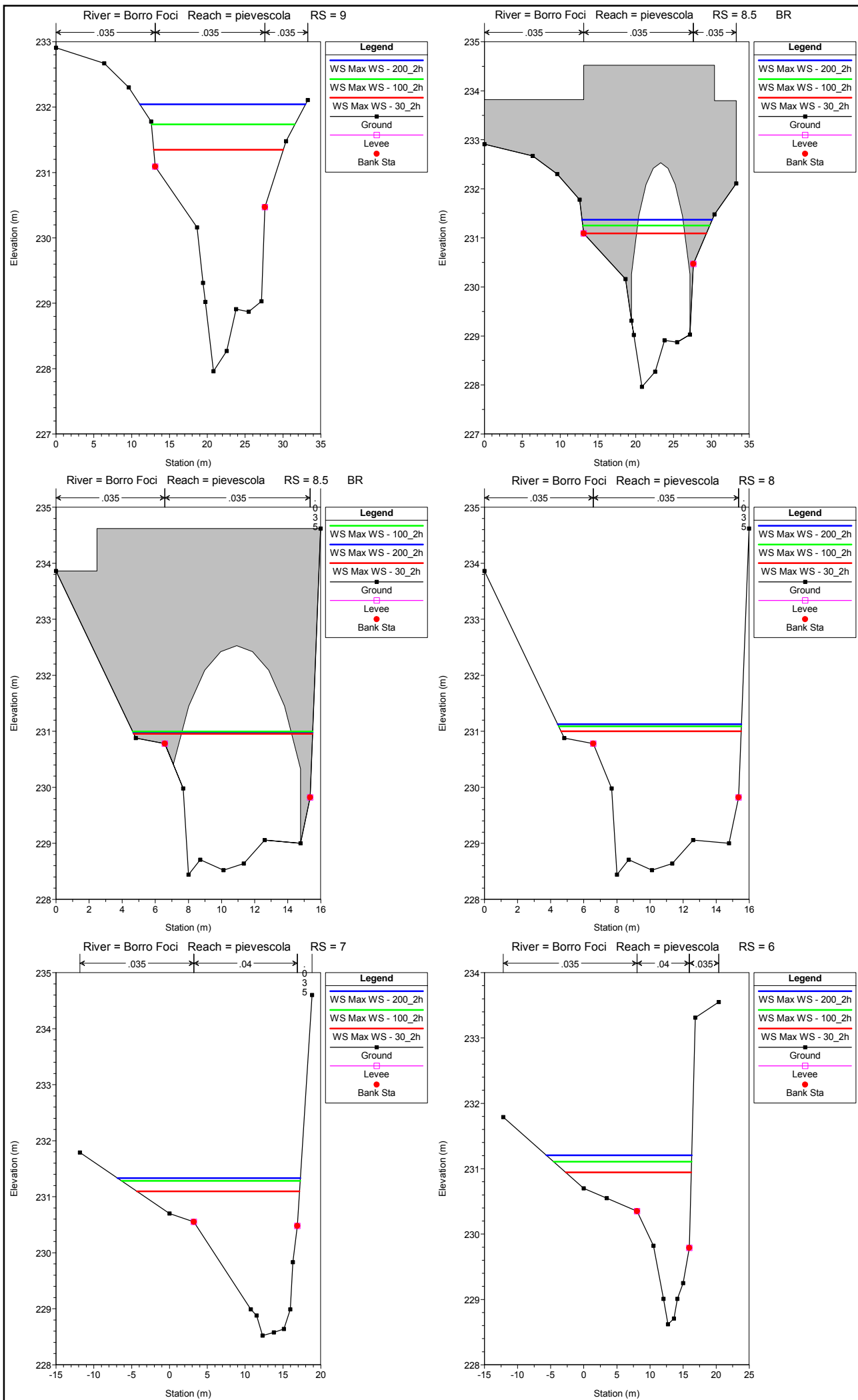
HEC-RAS Profile: Max WS (Continued)

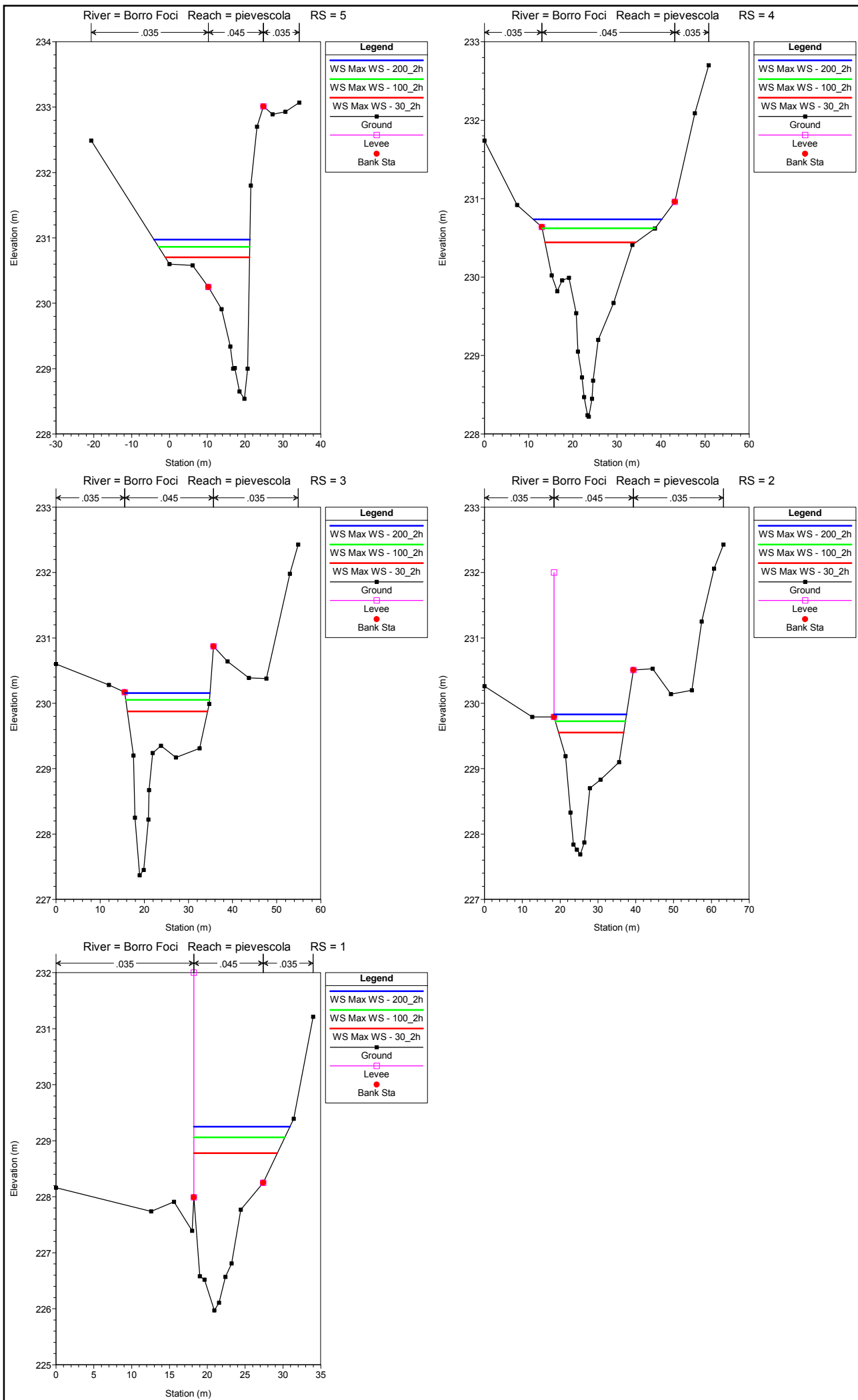
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
ELSA 4	200_0.5h	226.33	225.70	0.12	4.25	0.94
ELSA 4	100_3h	226.42	225.70	0.12	4.25	1.33
ELSA 4	100_2.5h	226.43	225.70	0.13	4.25	1.40
ELSA 4	100_2h	226.43	225.70	0.15	4.25	1.39
ELSA 4	100_1.5h	226.40	225.70	0.07	4.25	1.28
ELSA 4	100_1h	226.36	225.70	0.07	4.25	1.08
ELSA 4	100_0.5h	226.26	225.70	0.18	4.25	0.68
ELSA 4	30_3h	226.32	225.70	0.03	4.25	0.92
ELSA 4	30_2.5h	226.32	225.70	0.04	4.25	0.93
ELSA 4	30_2h	226.31	225.70	0.08	4.25	0.90
ELSA 4	30_1.5h	226.29	225.70	0.13	4.25	0.80
ELSA 4	30_1h	226.25	225.70	0.18	4.25	0.63
ELSA 4	30_0.5h	225.94	225.70	0.04	1.33	0.07

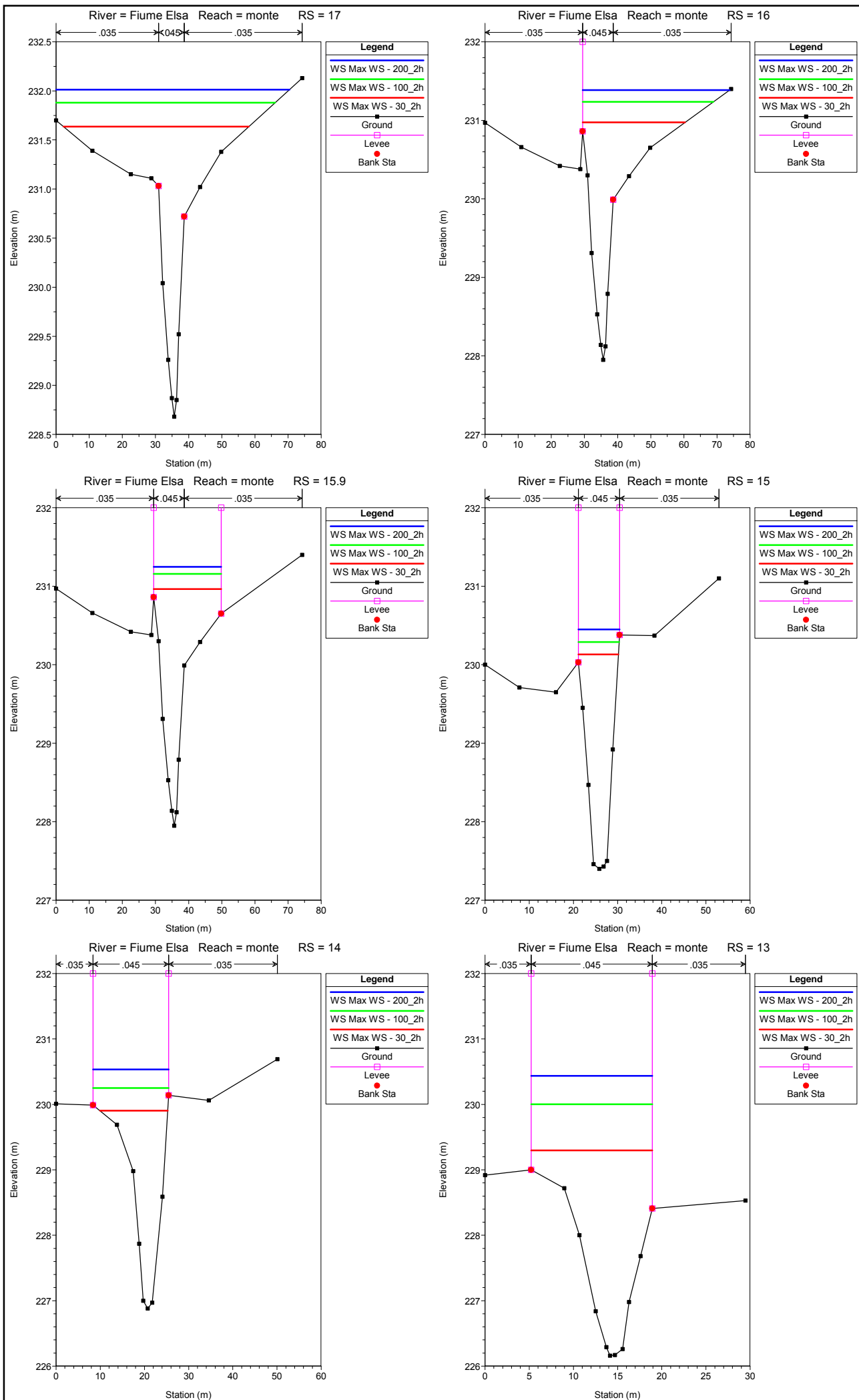


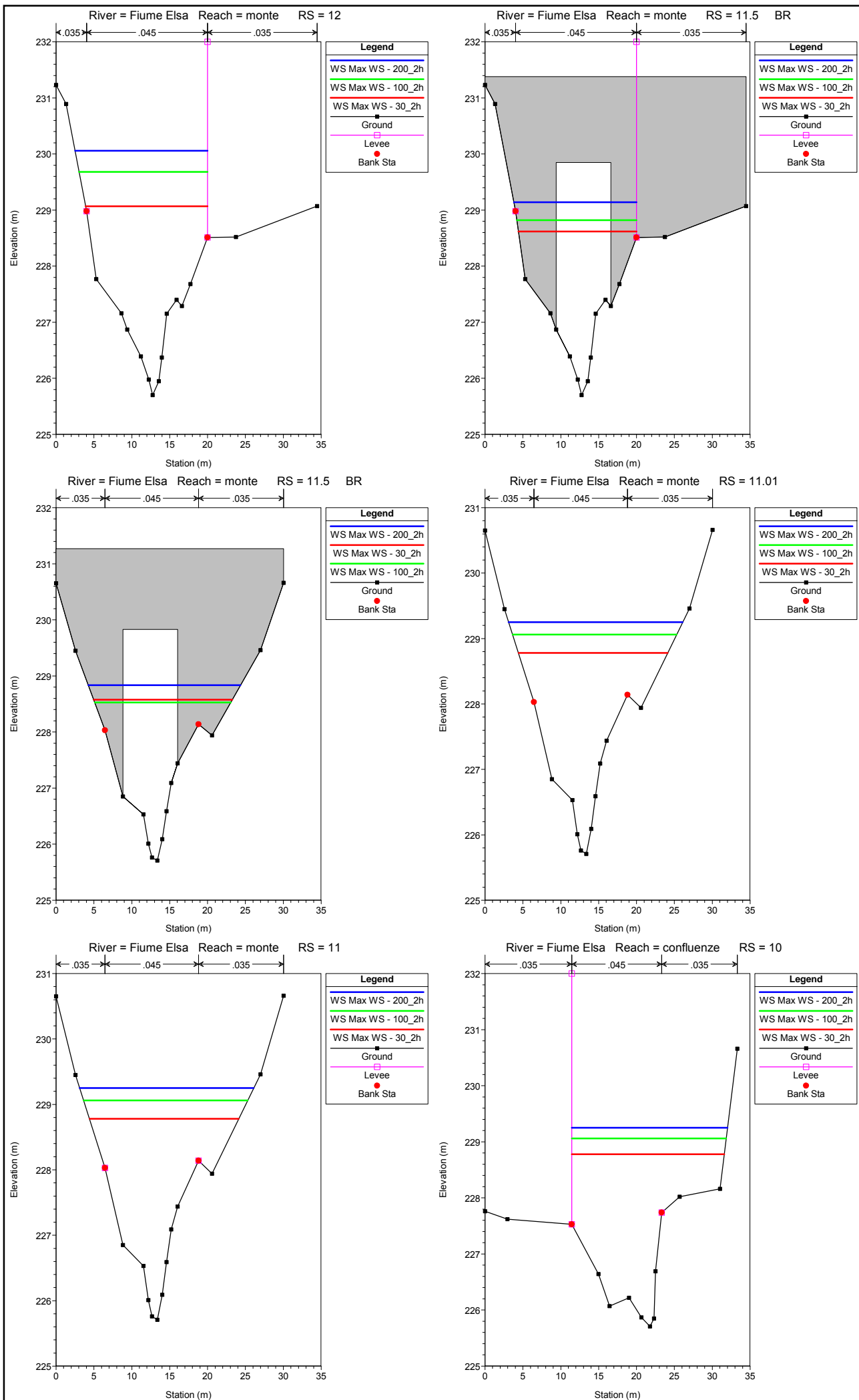


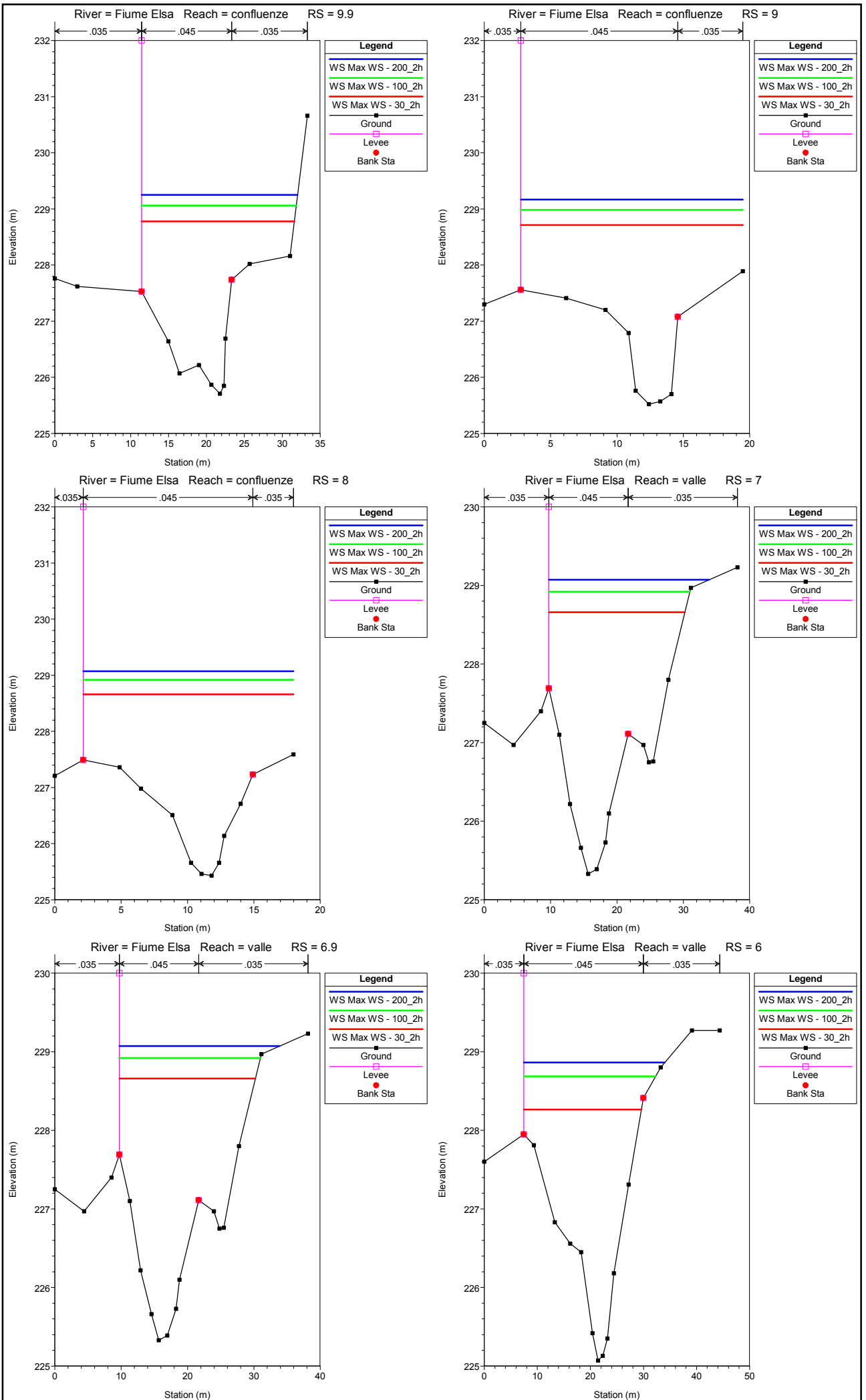


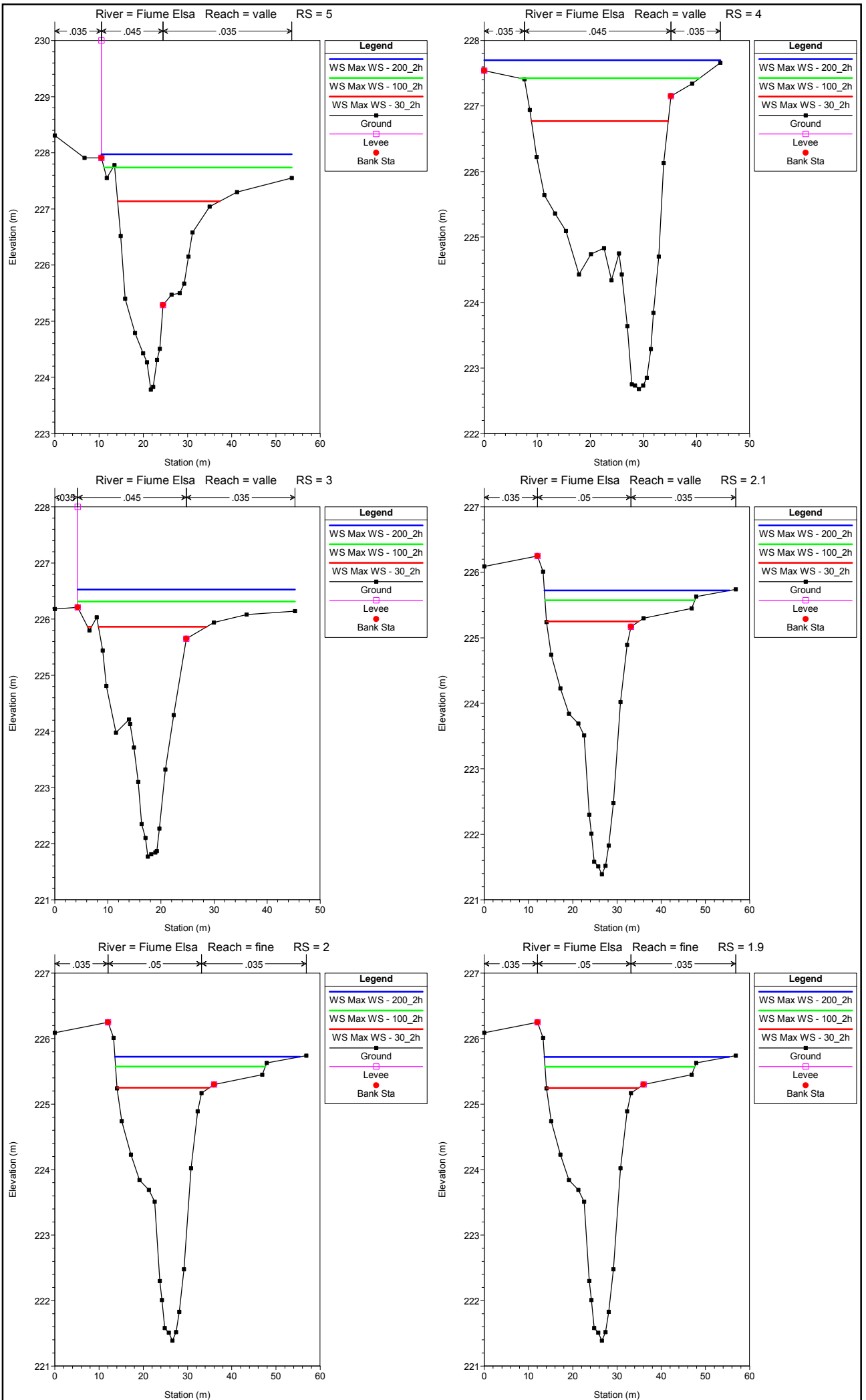


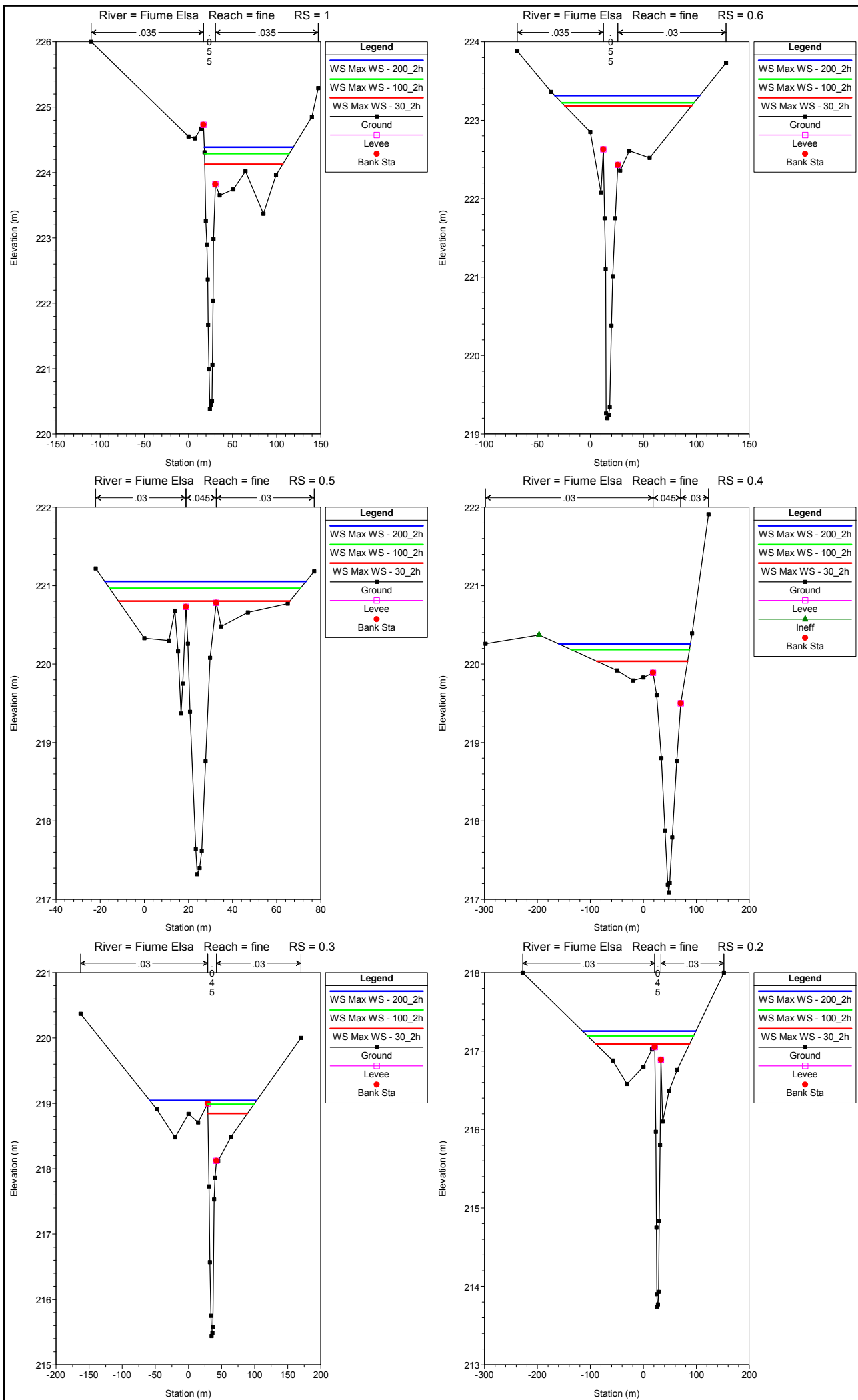


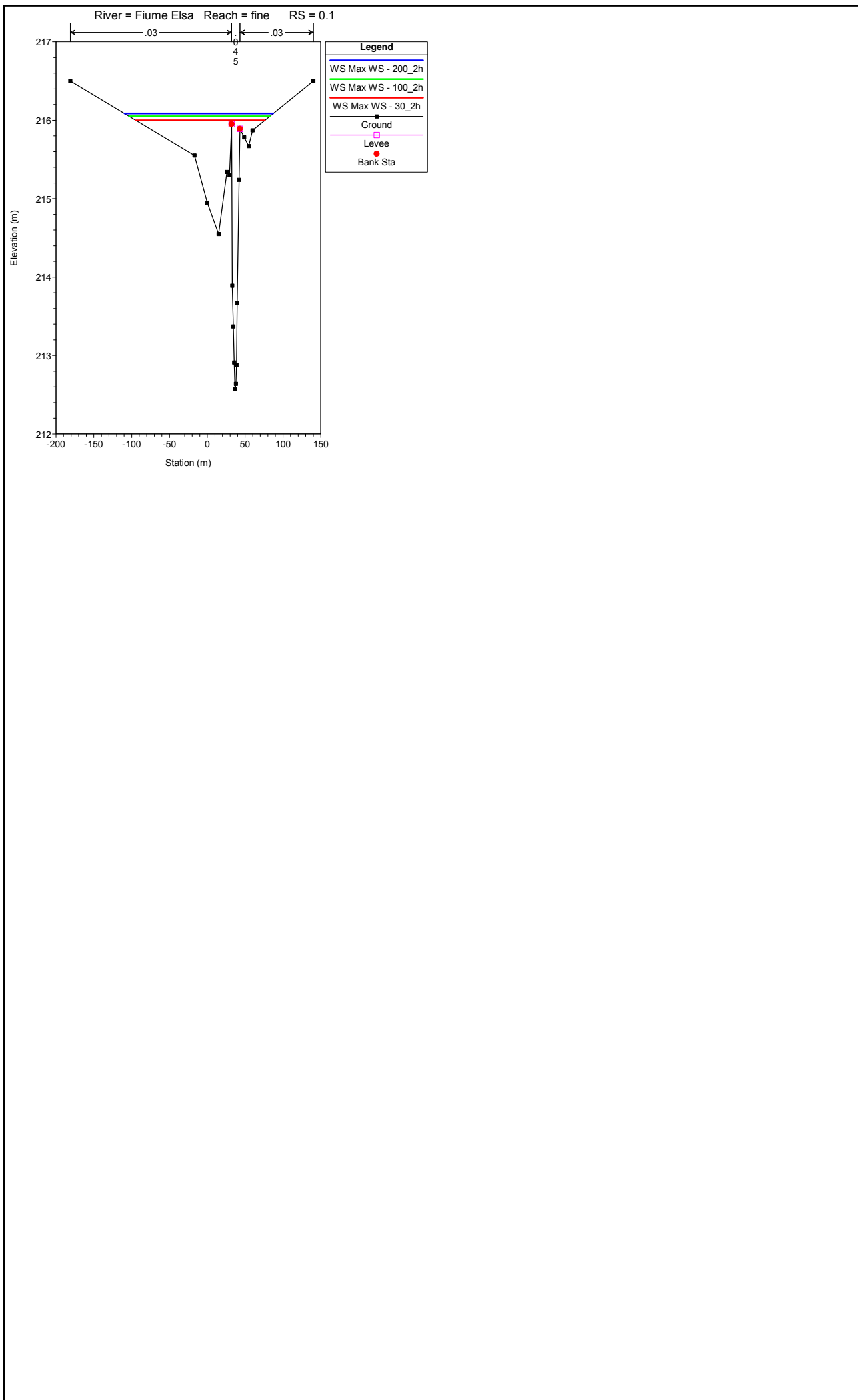


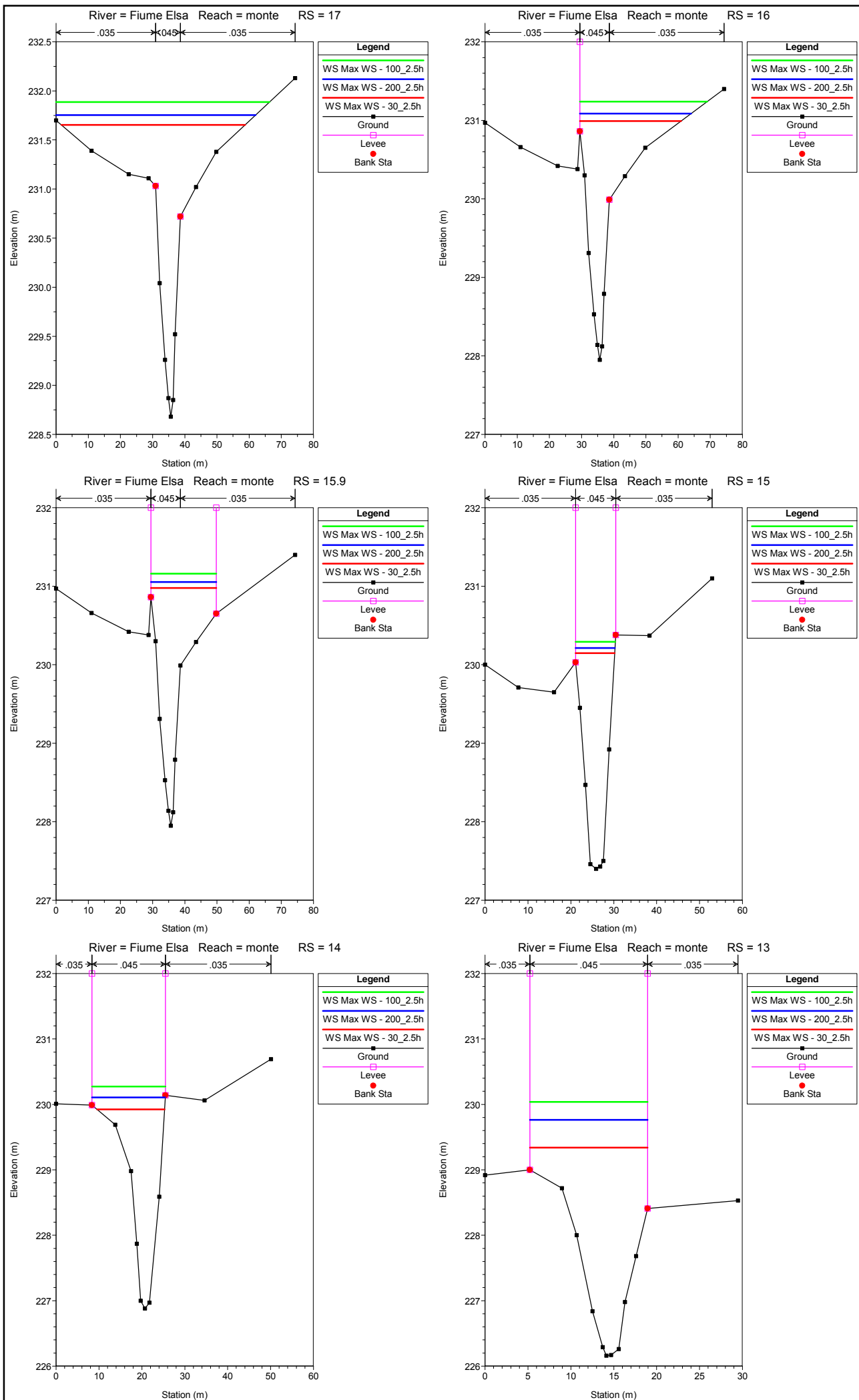


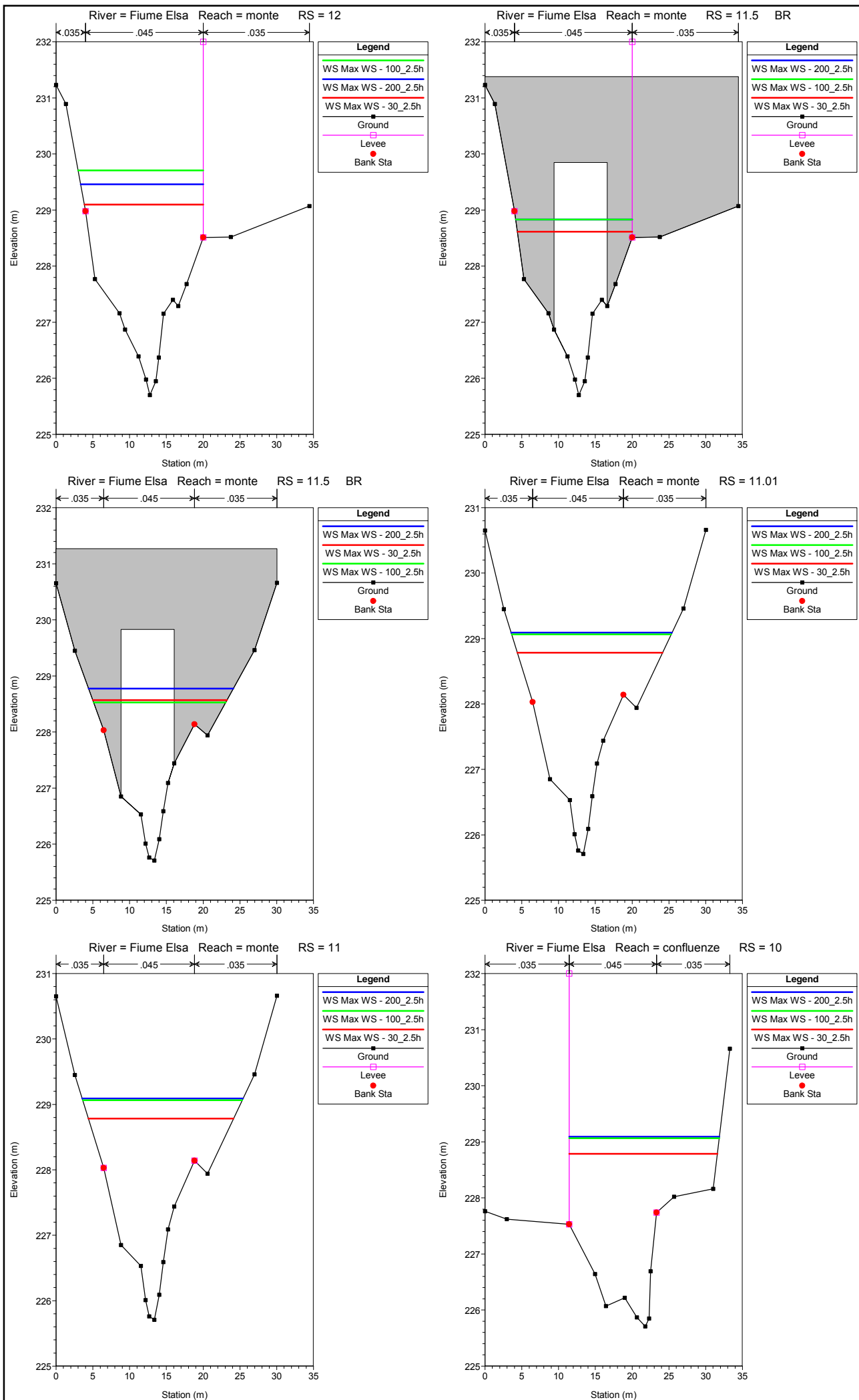


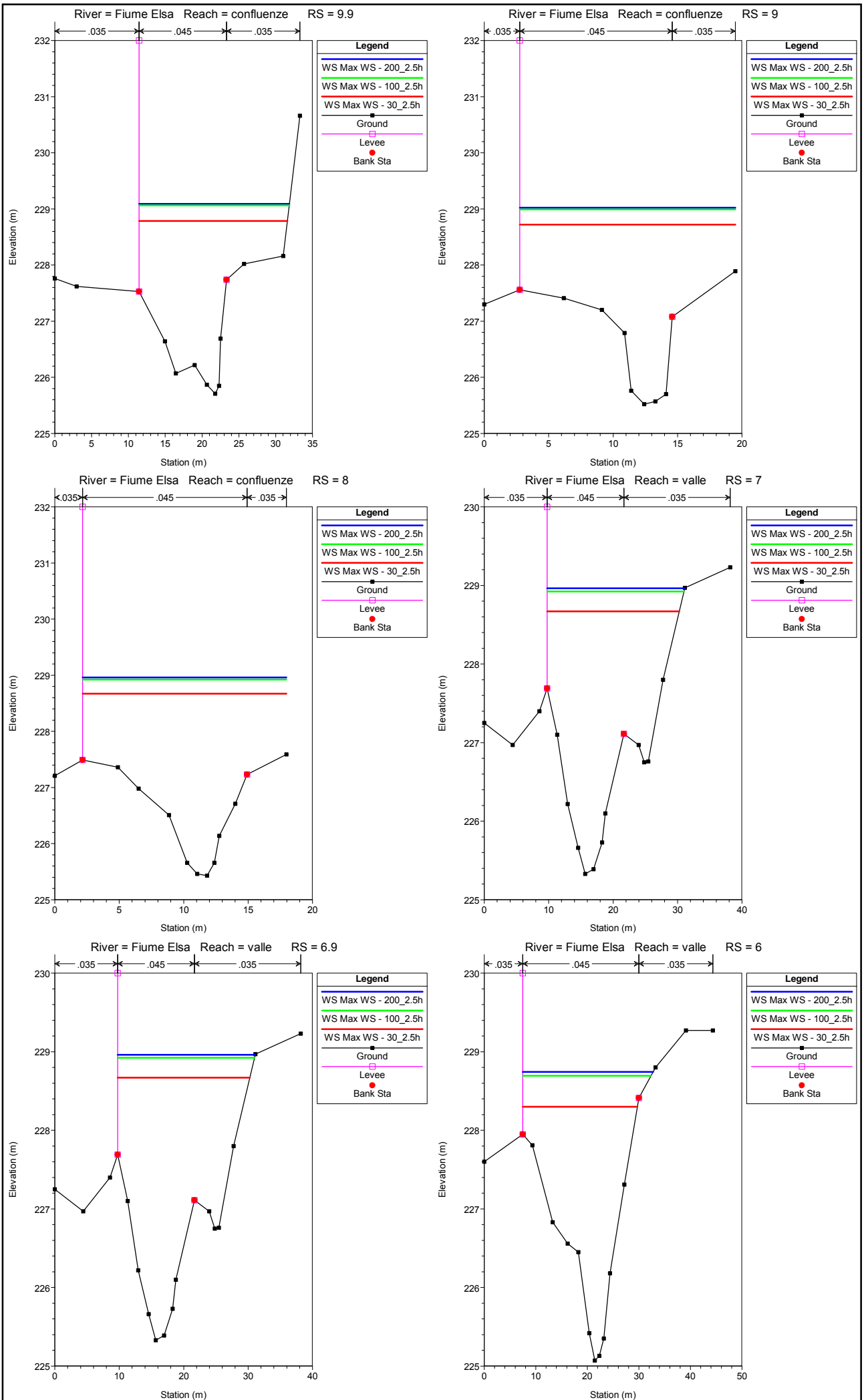


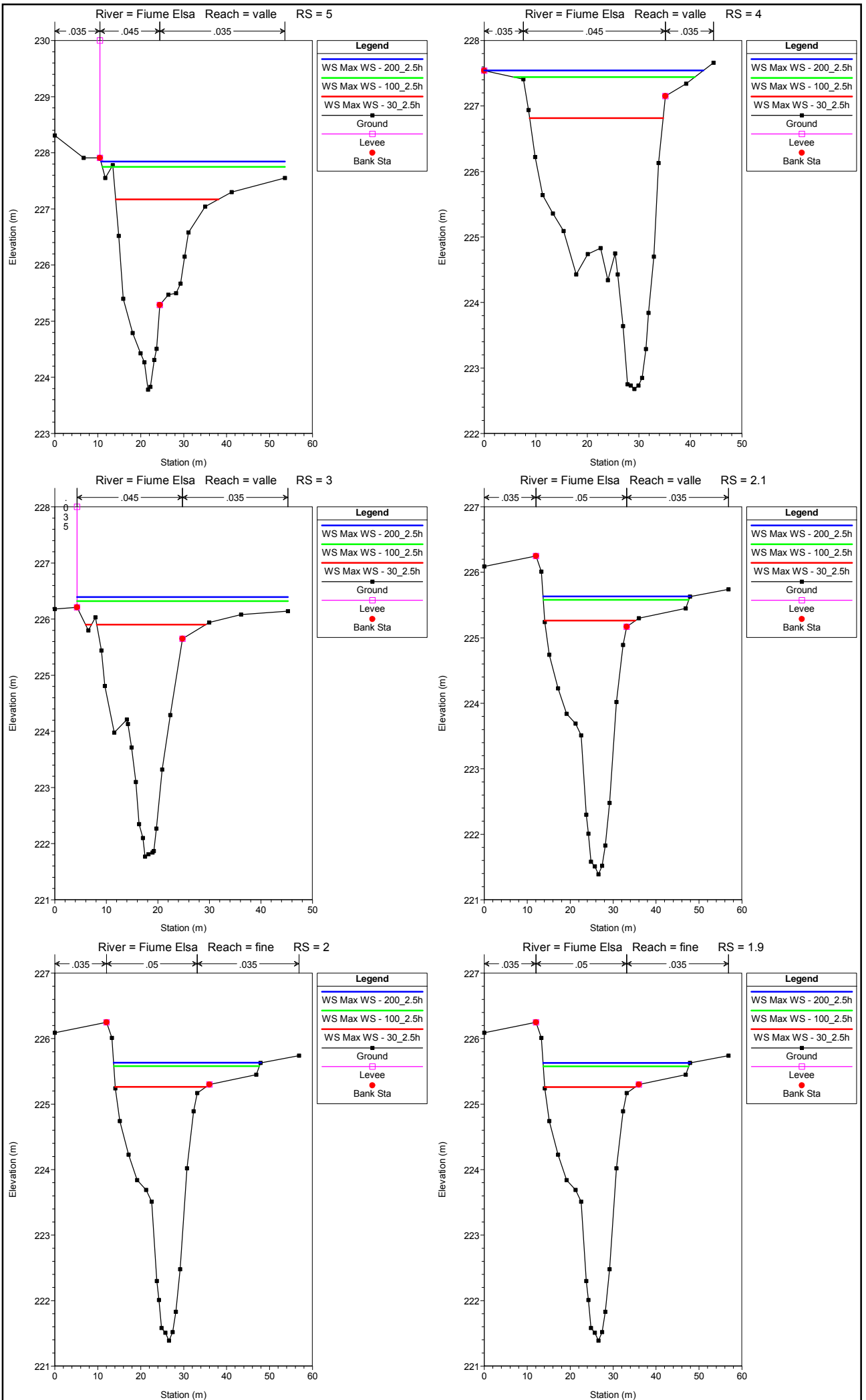


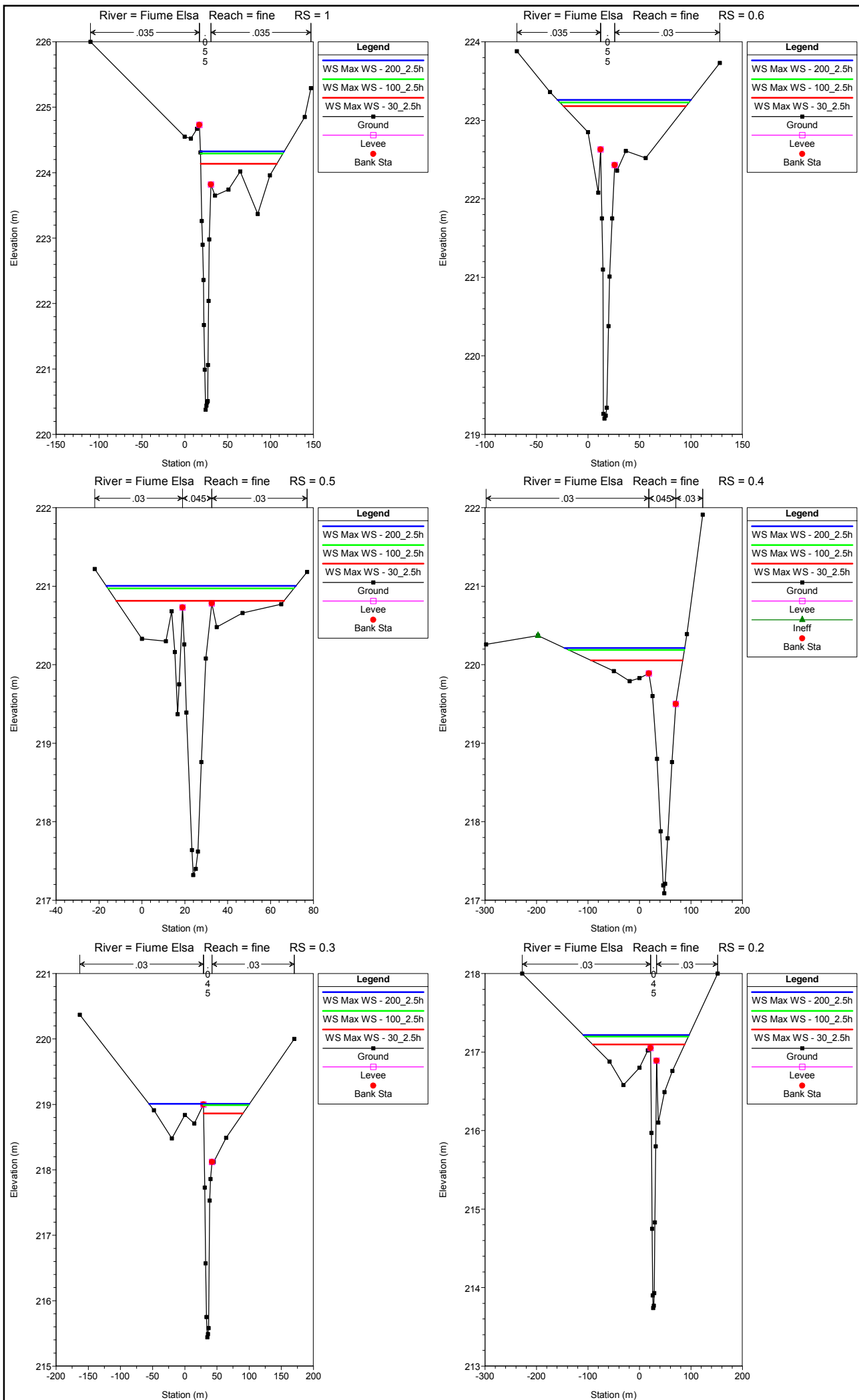


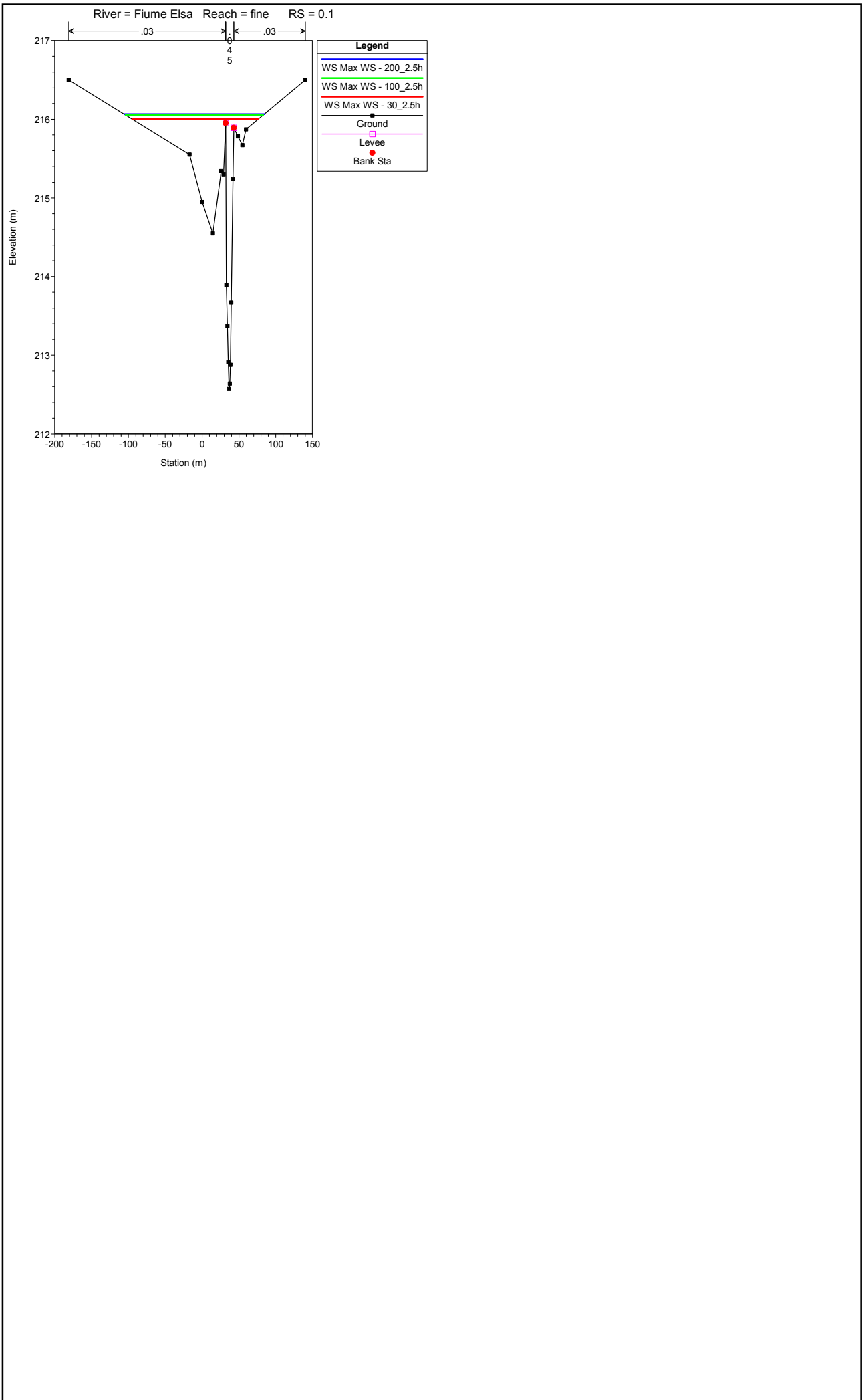


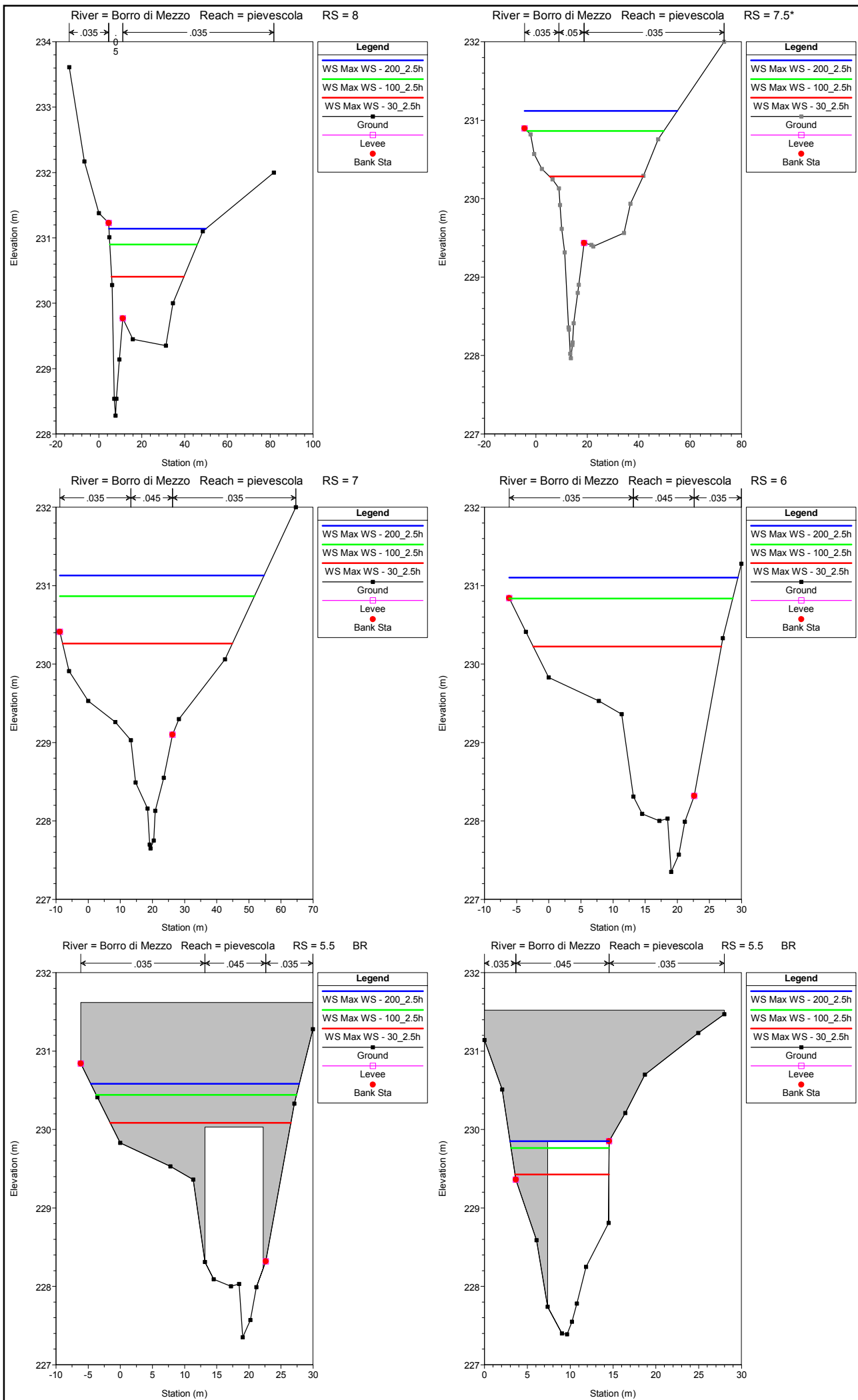


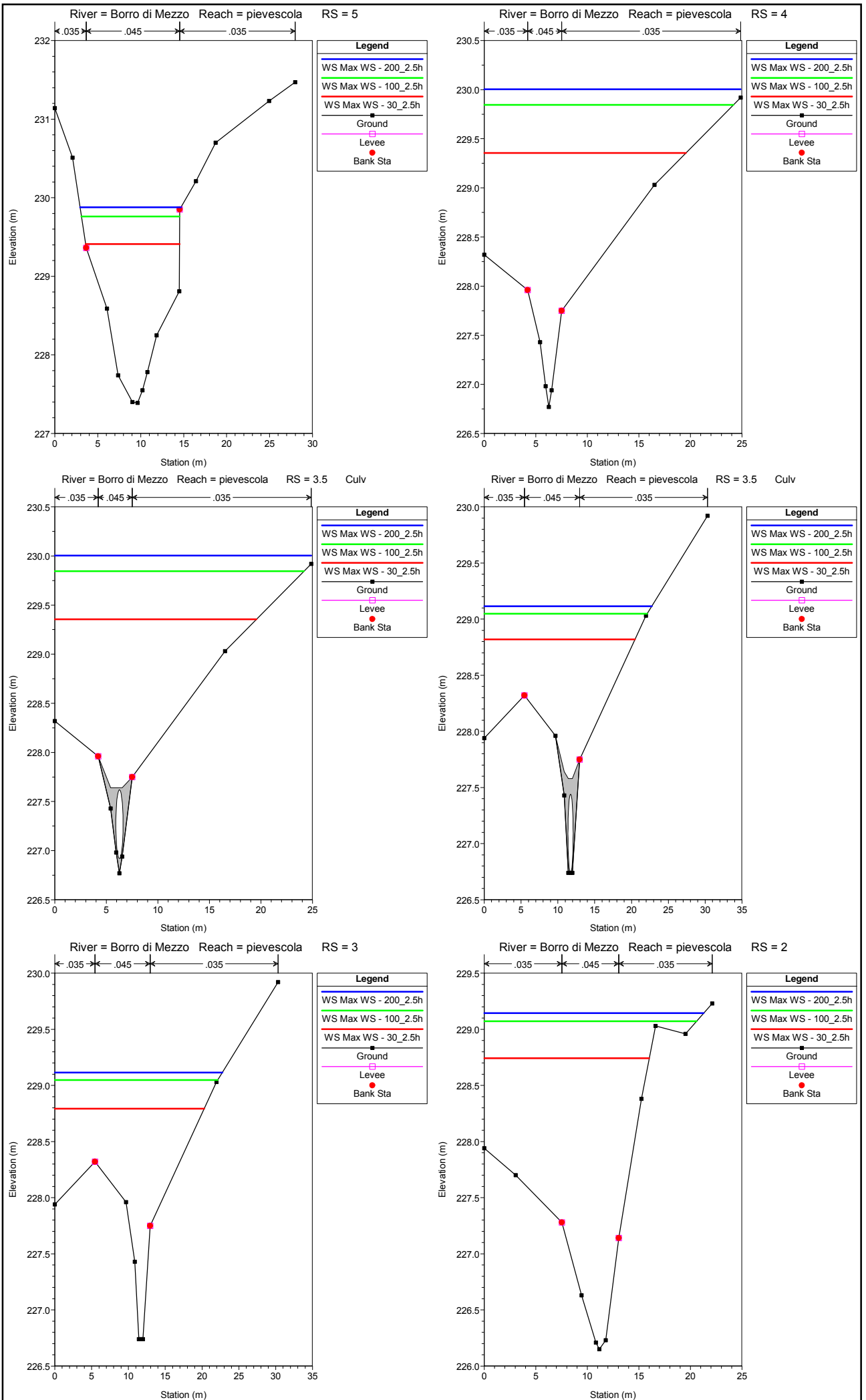


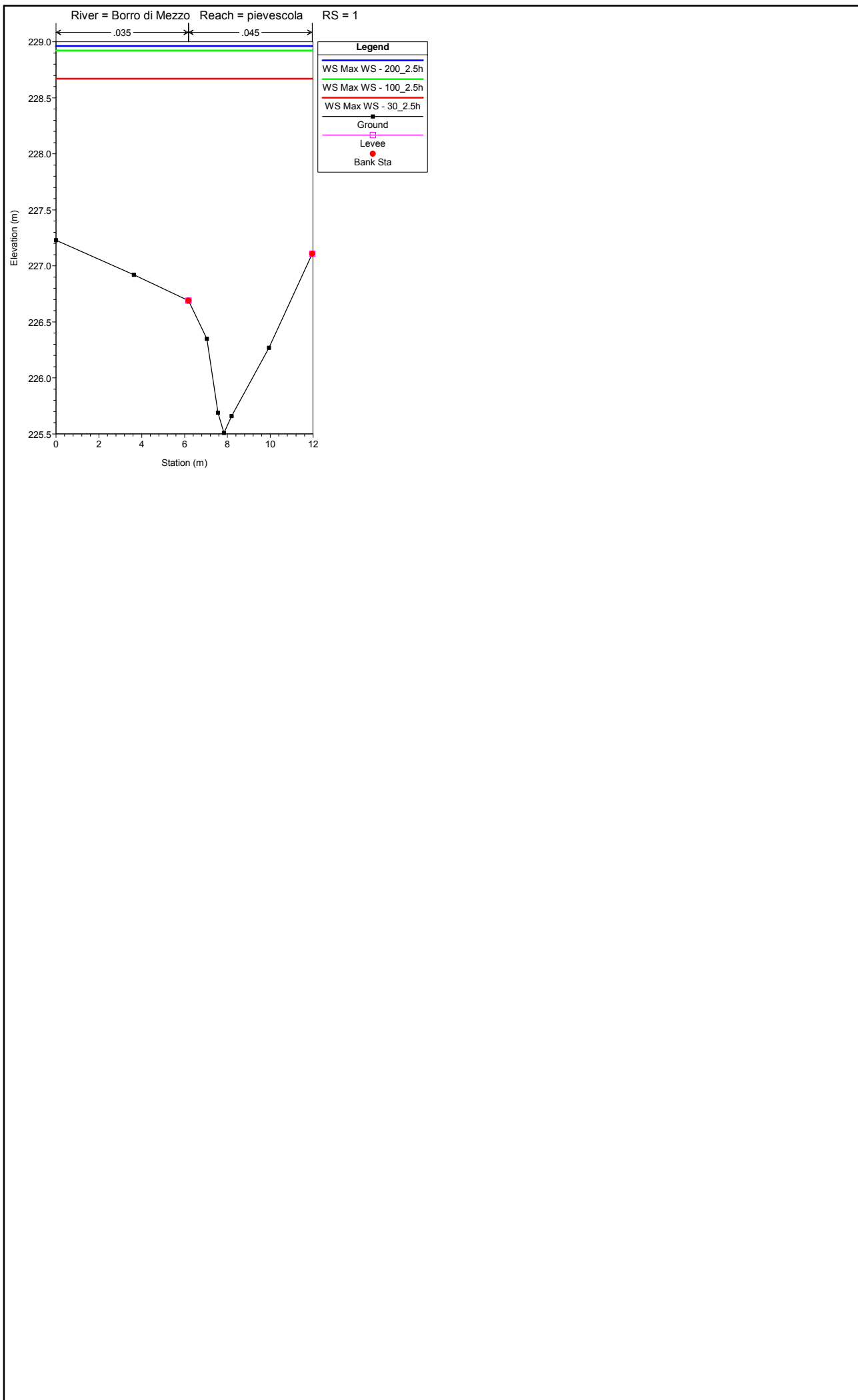


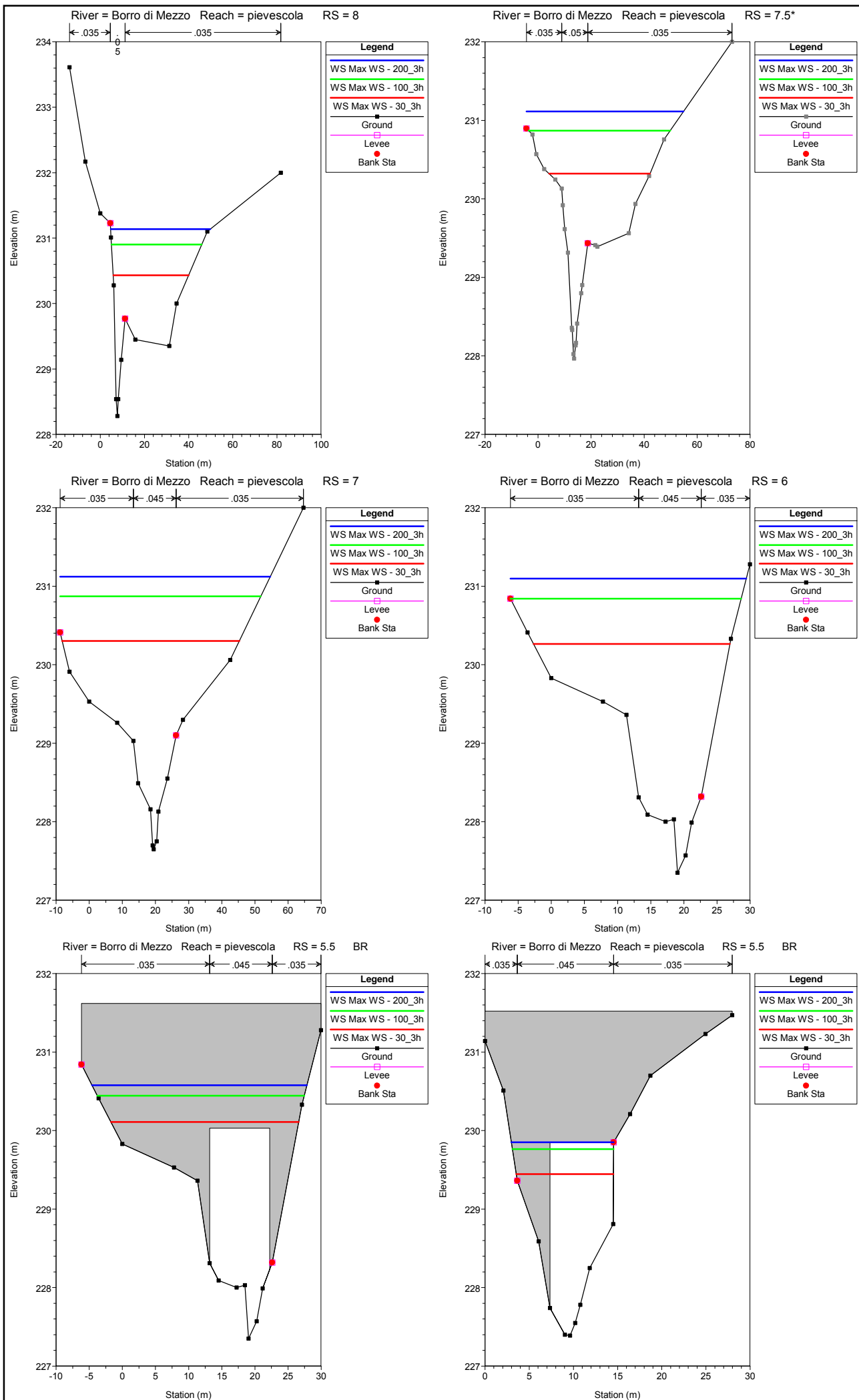


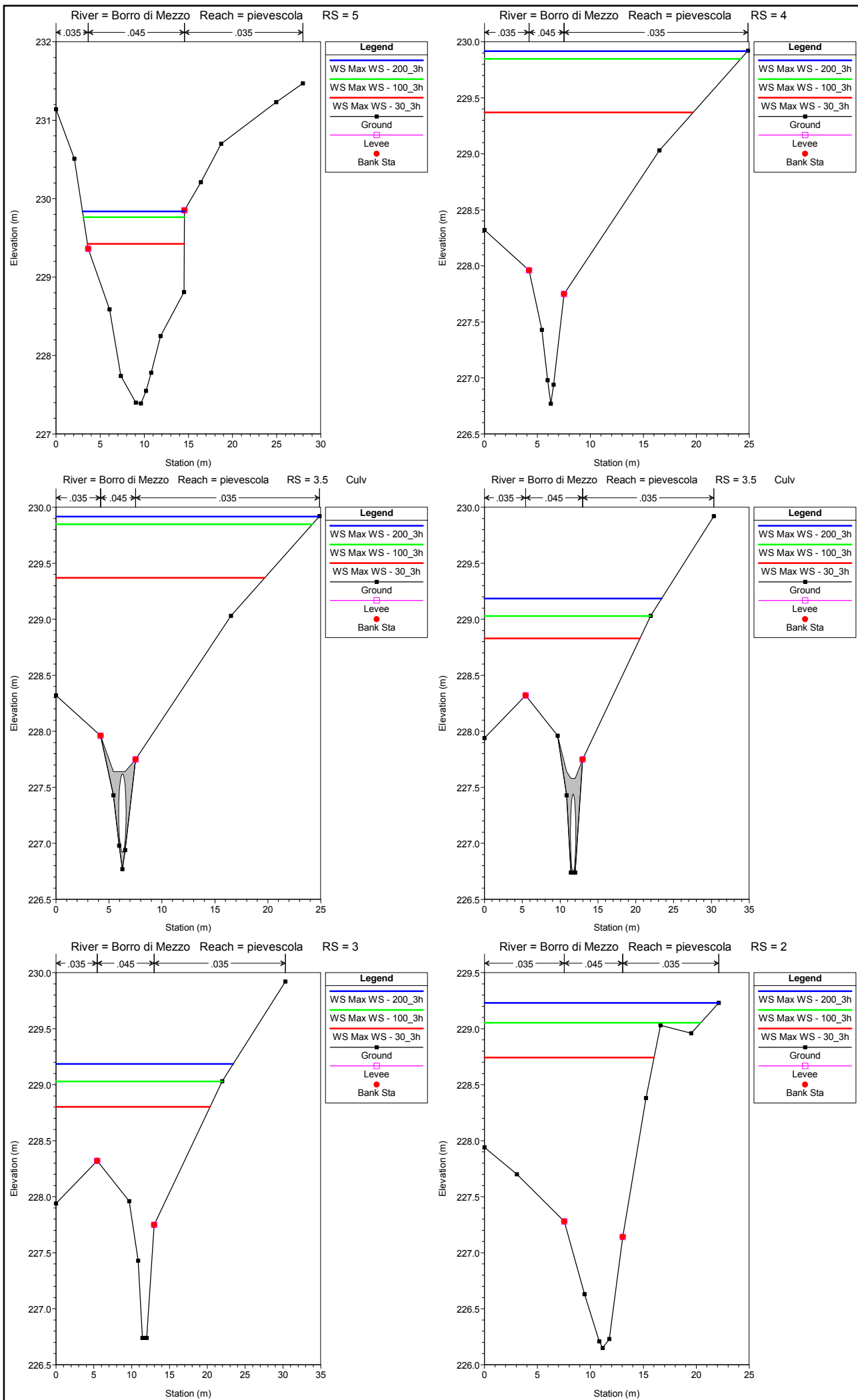


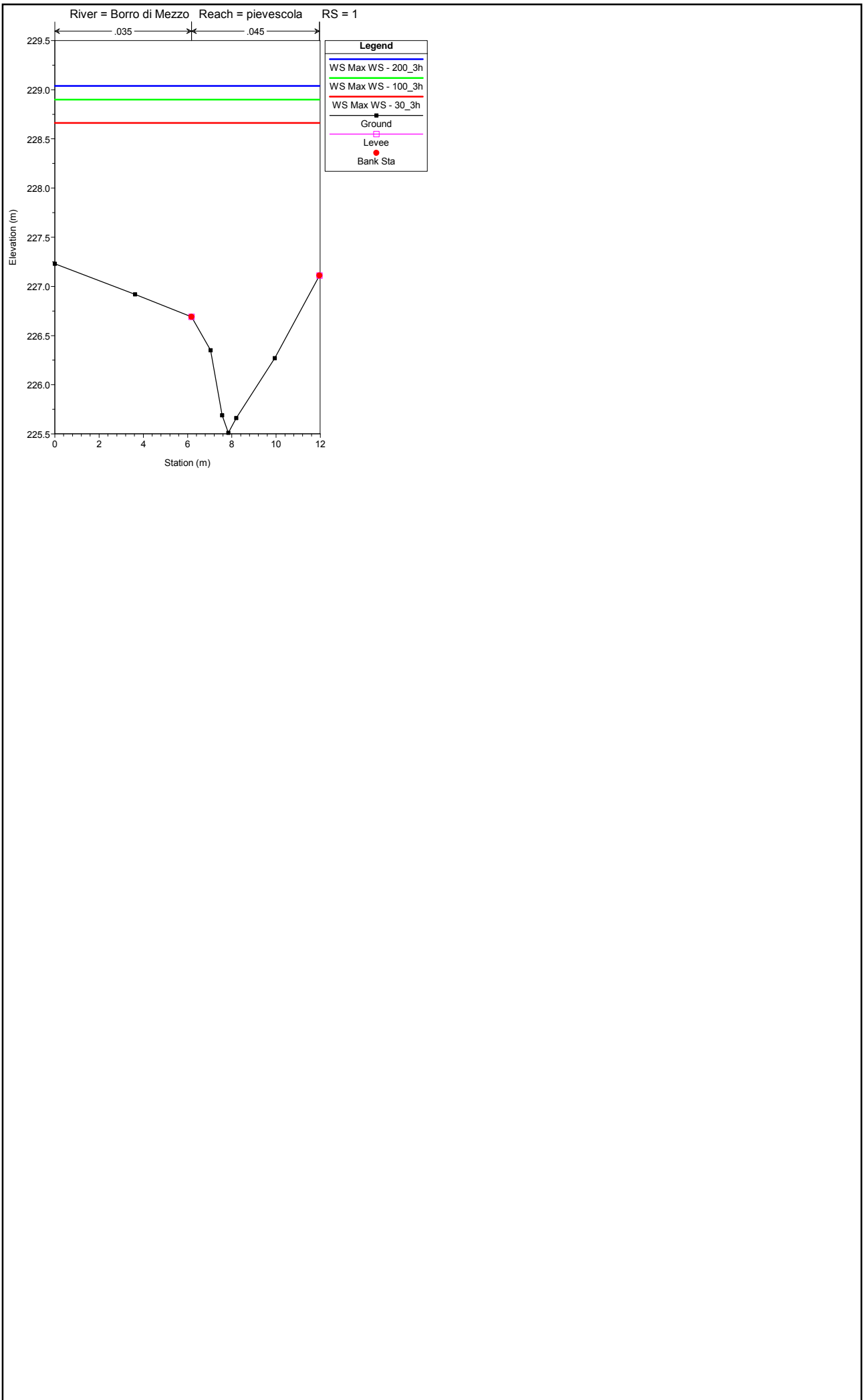




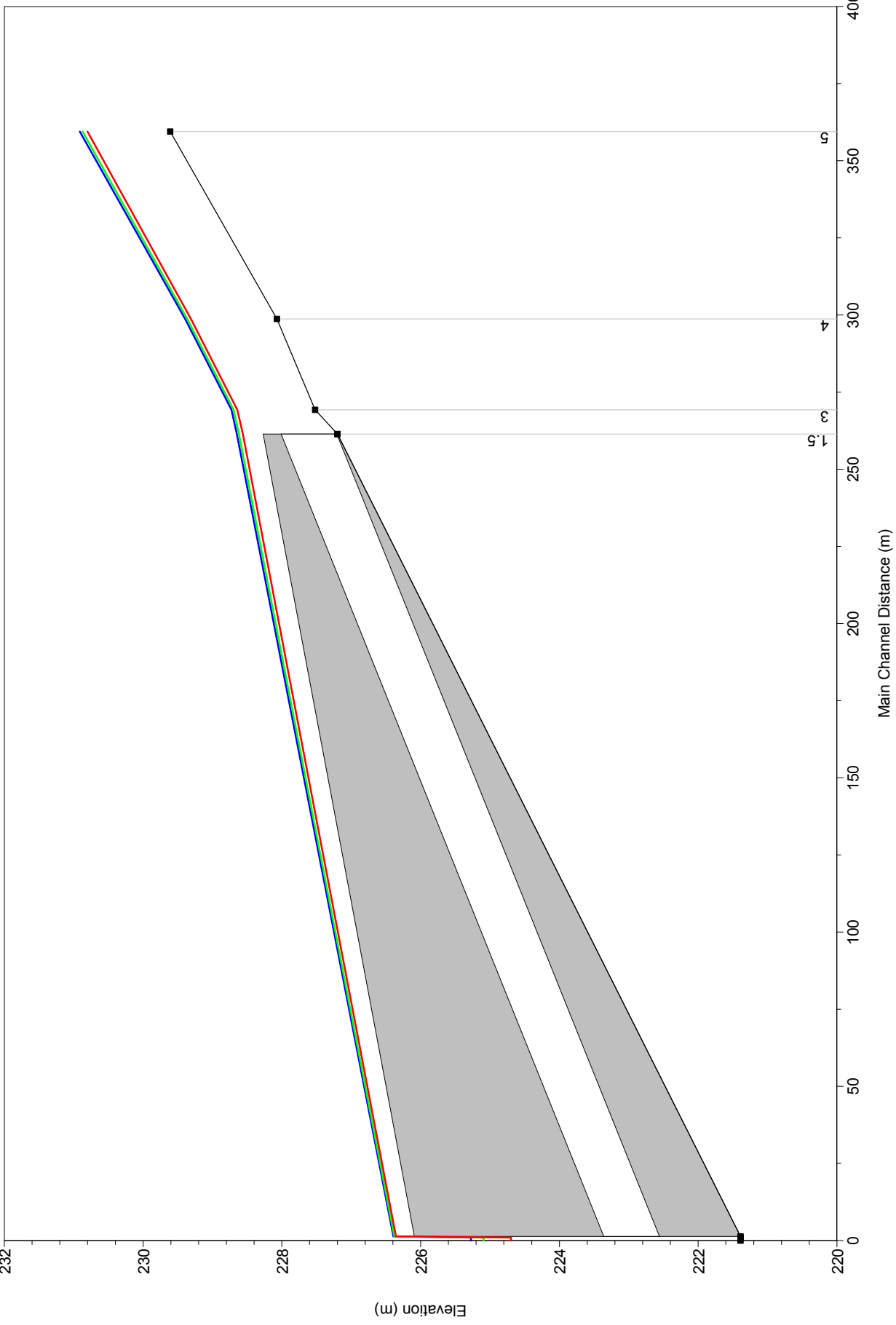
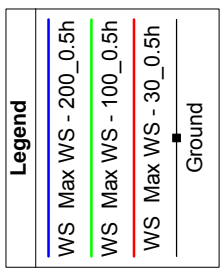




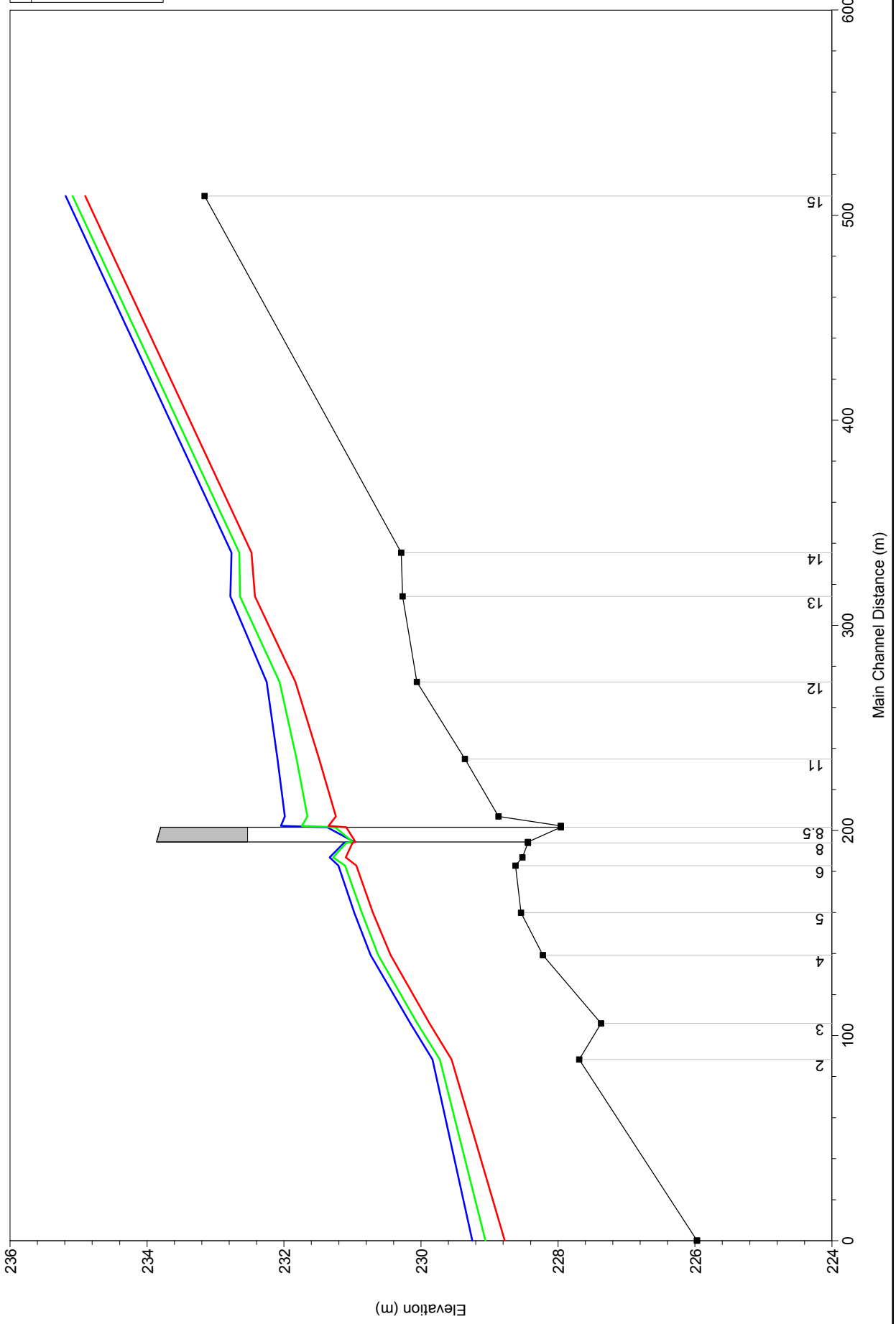
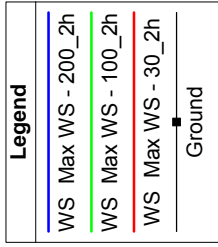




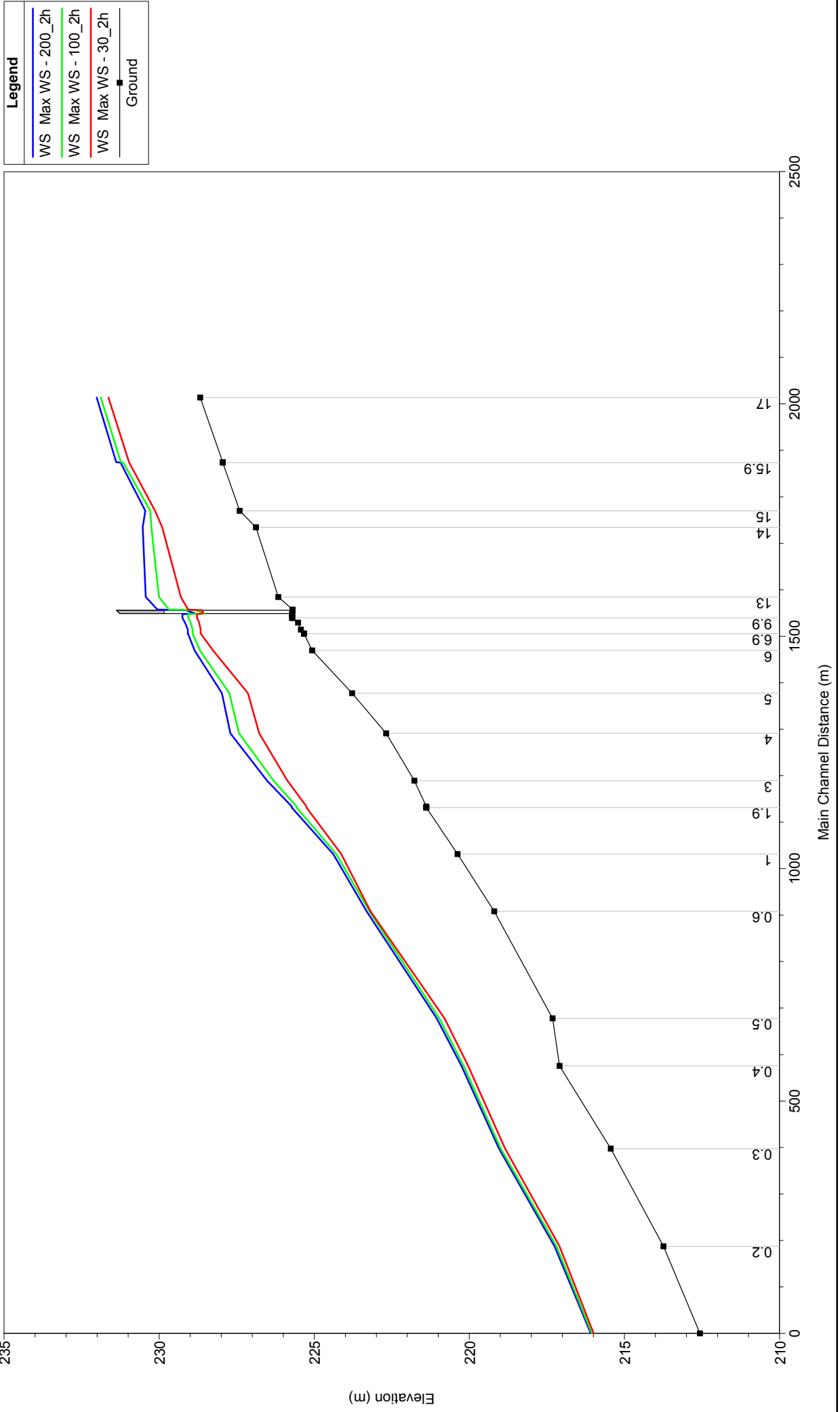
Fosso "Pievescola" d=0.5h



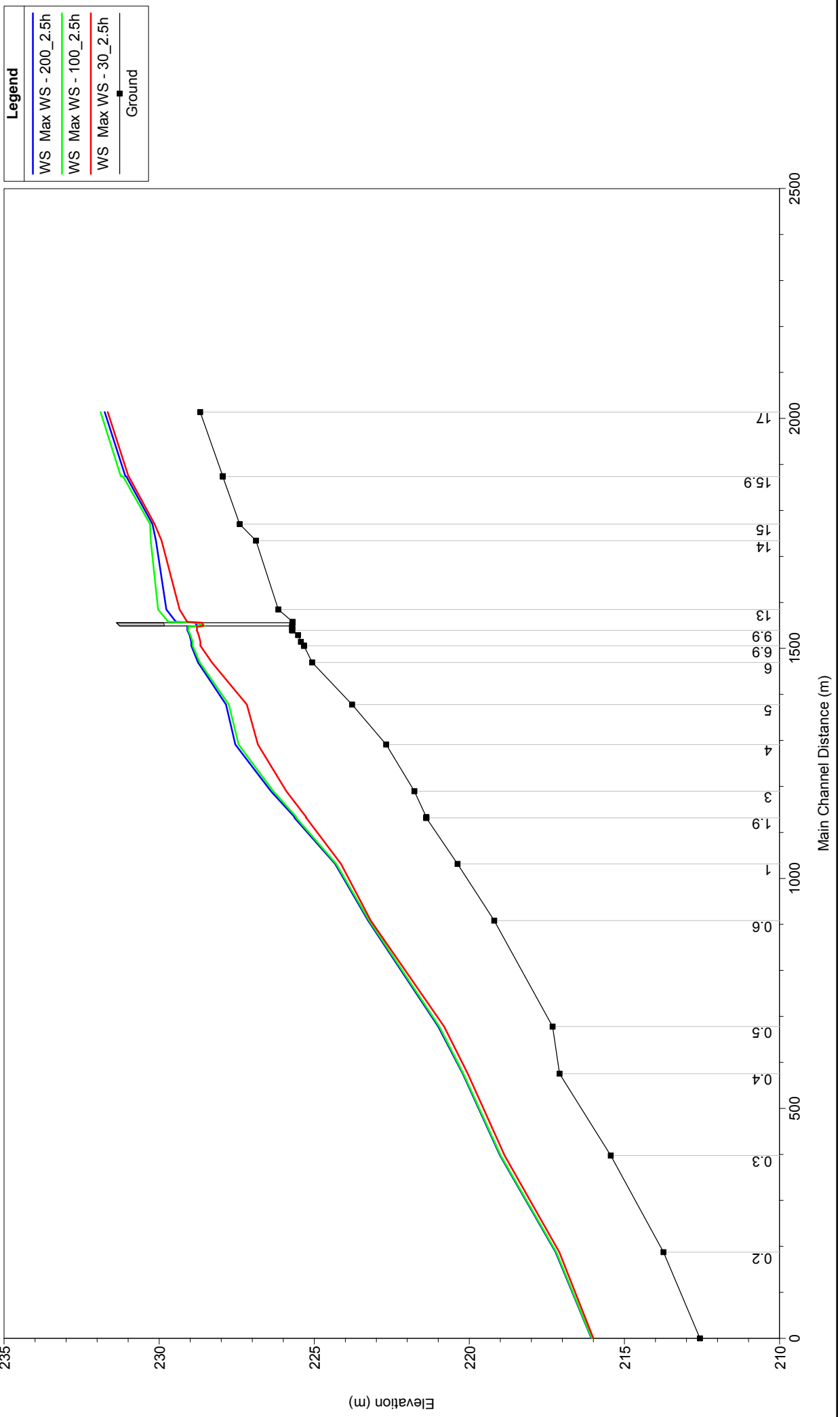
Borro Foci d=2h



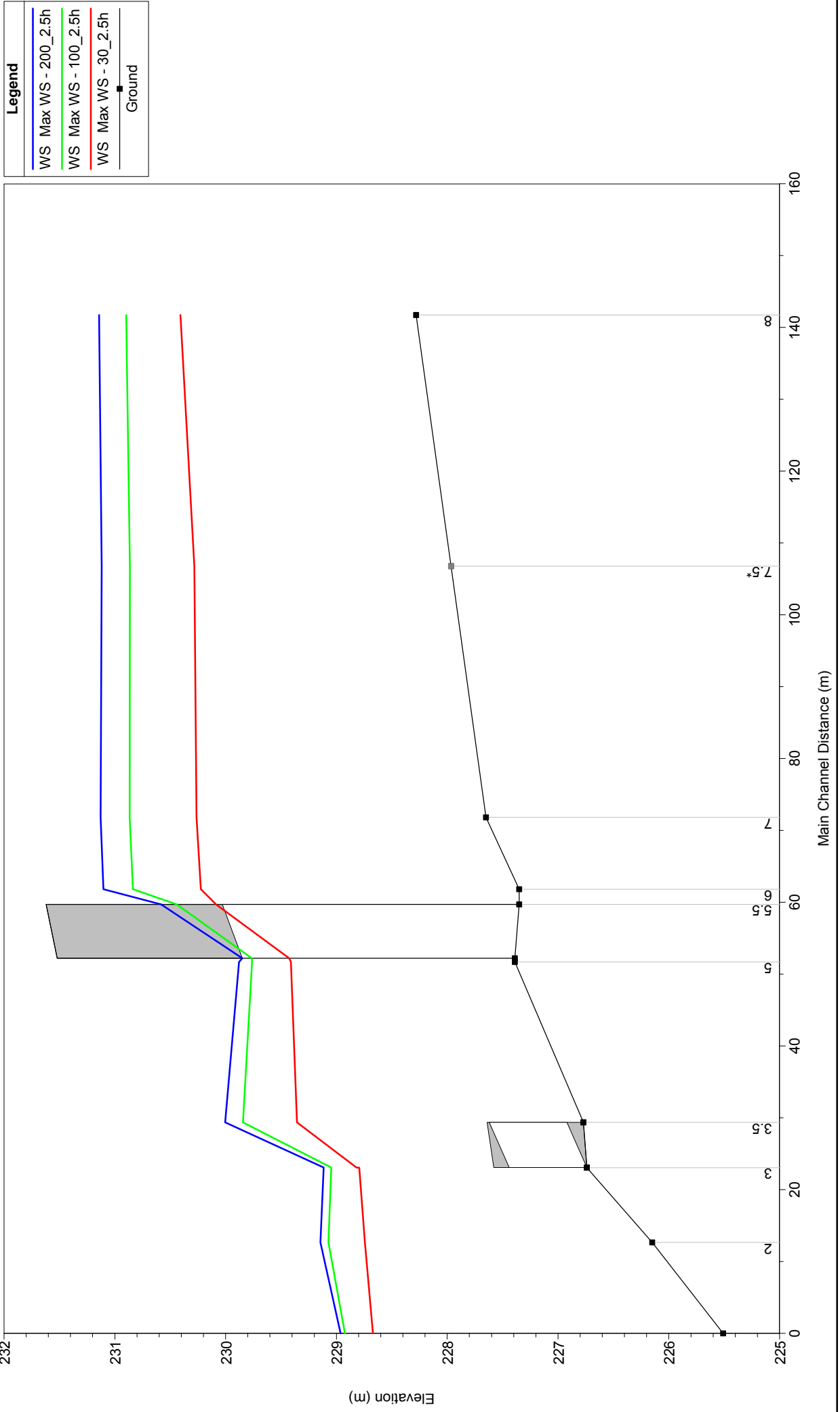
Fiume Elsa d=2h



Fiume Elsa d=2.5h



Borro di Mezzo d=2.5h



Borro di Mezzo d=3h

