

COMUNE DI EMPOLI

Città Metropolitana di Firenze

RELAZIONE IDRAULICA DI FATTIBILITA' A SUPPORTO DELLA REALIZZAZIONE DEL PIANO ATTUATIVO 12.13 IN COMUNE DI EMPOLI (FI)

FATTIBILITA' IDRAULICA

Committente:
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Progettazione:



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Ordine degli Ingegneri della Provincia di Firenze n.4325

Dott. Ing. PAOLO PUCCI

Ordine degli Ingegneri della Provincia di Firenze n.4824

Collaboratori:
Ing. Elia Degli Innocenti

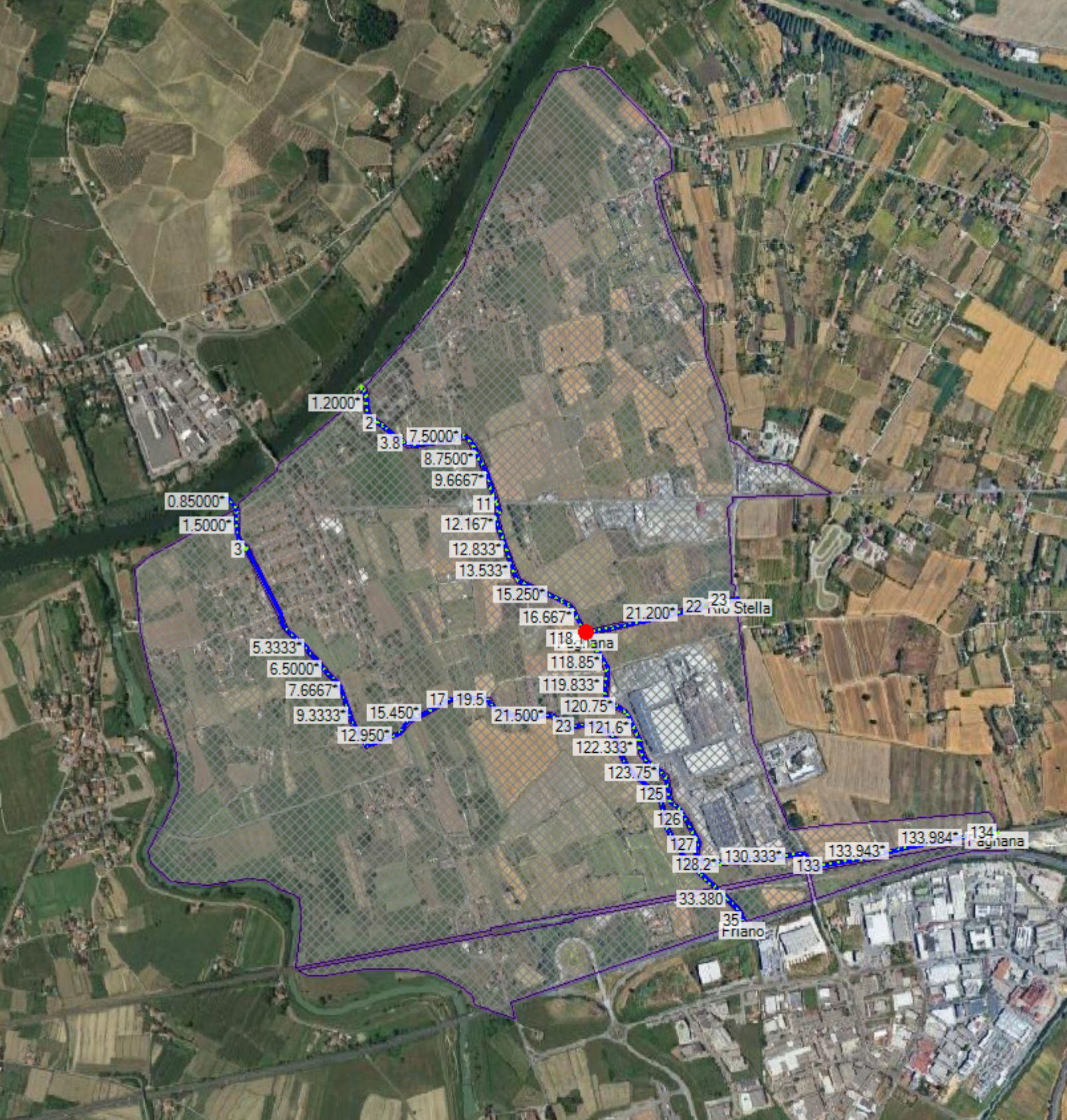
CODICE elaborato	ANNO	PROG	COMMITTENTE	LIVELLO	TIPO	NUMERO	REV
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OGGETTO	Allegati alla relazione sulla fattibilità idraulica						

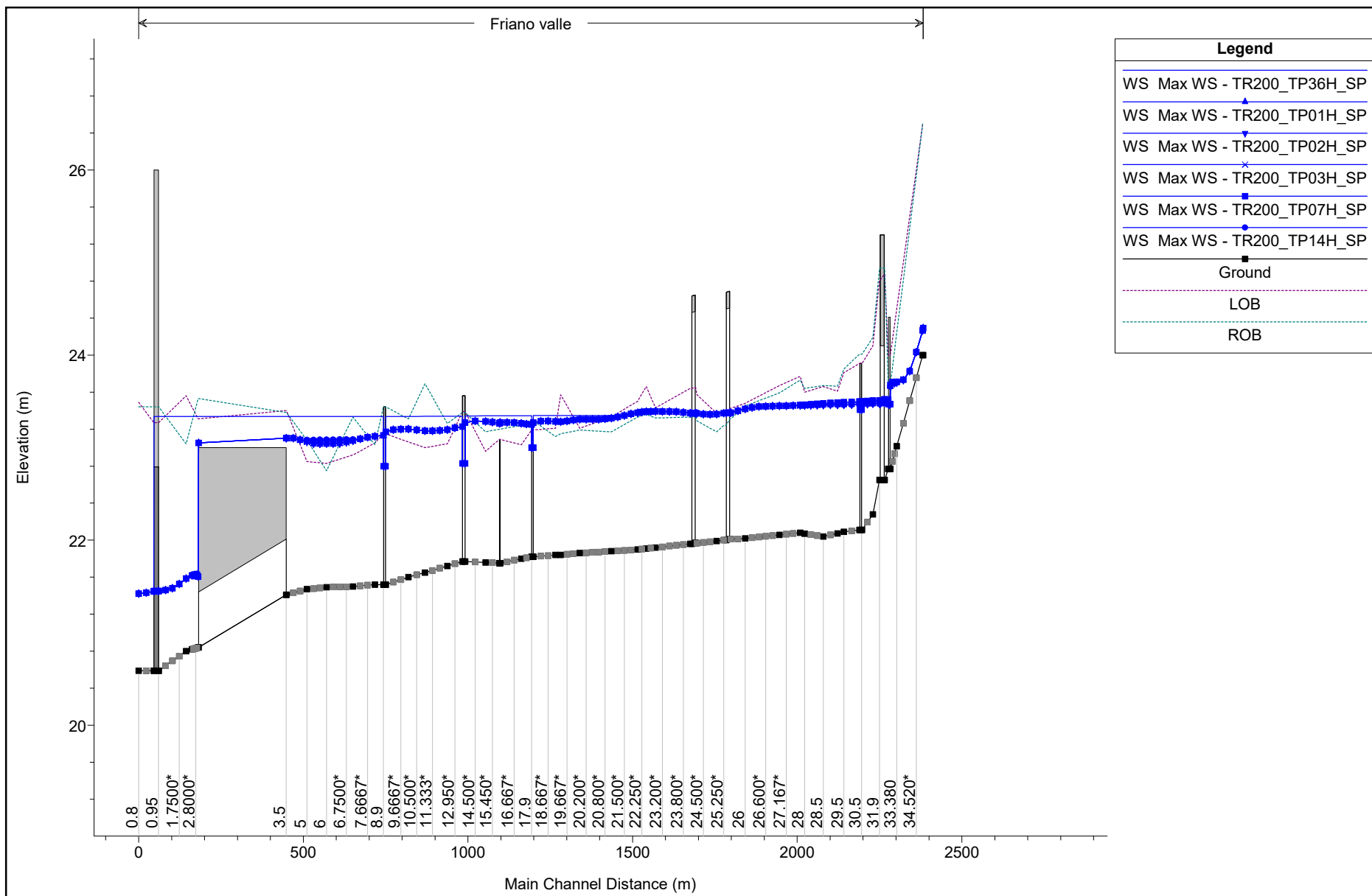
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Data emissione	Febbraio 2024
Data emissione revisione	-

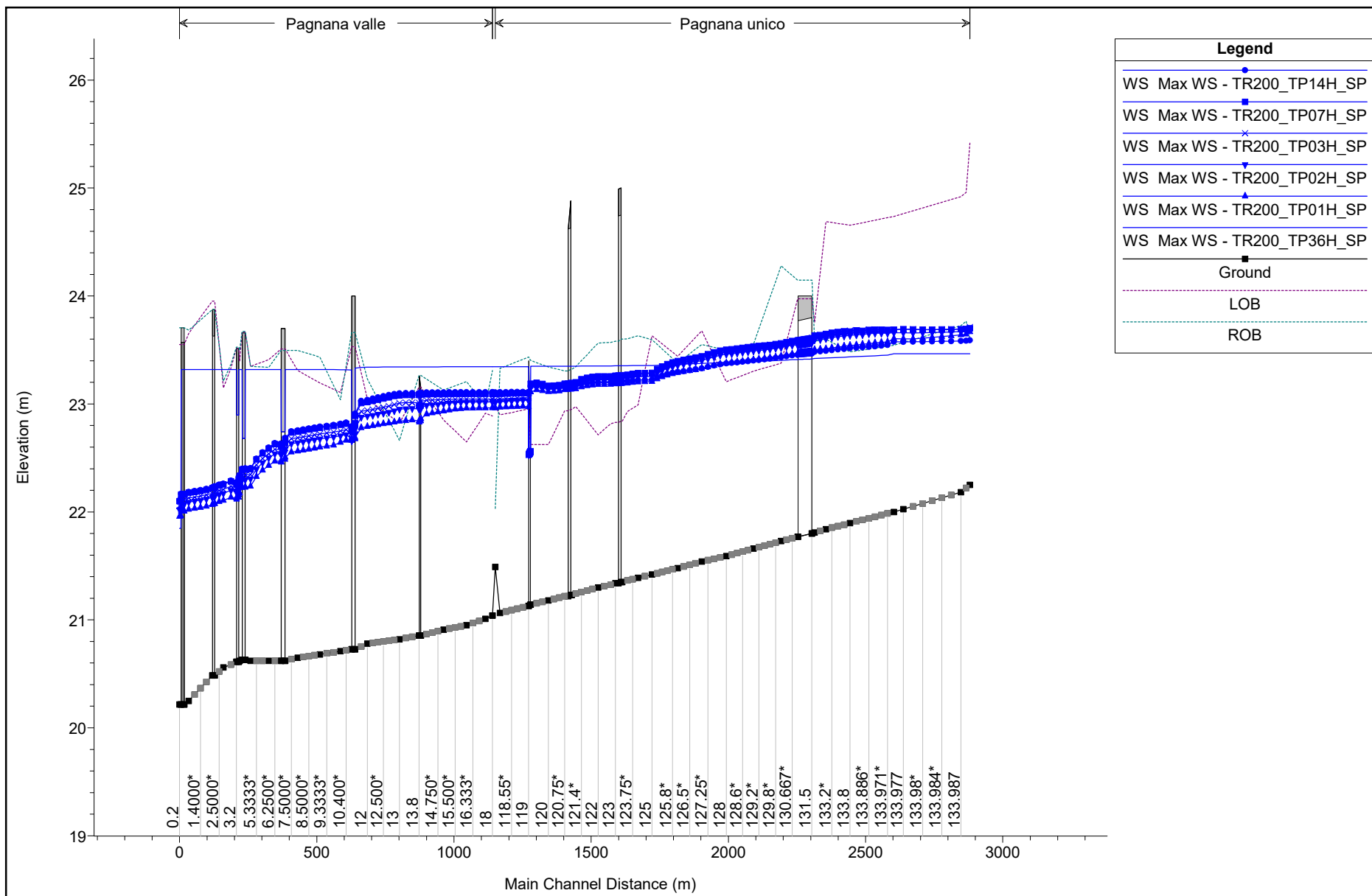
04					
03					
02					
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00	Prima emissione elaborato	EDI	SP	SP	Febbraio 2024
REVISIONE	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO	DATA

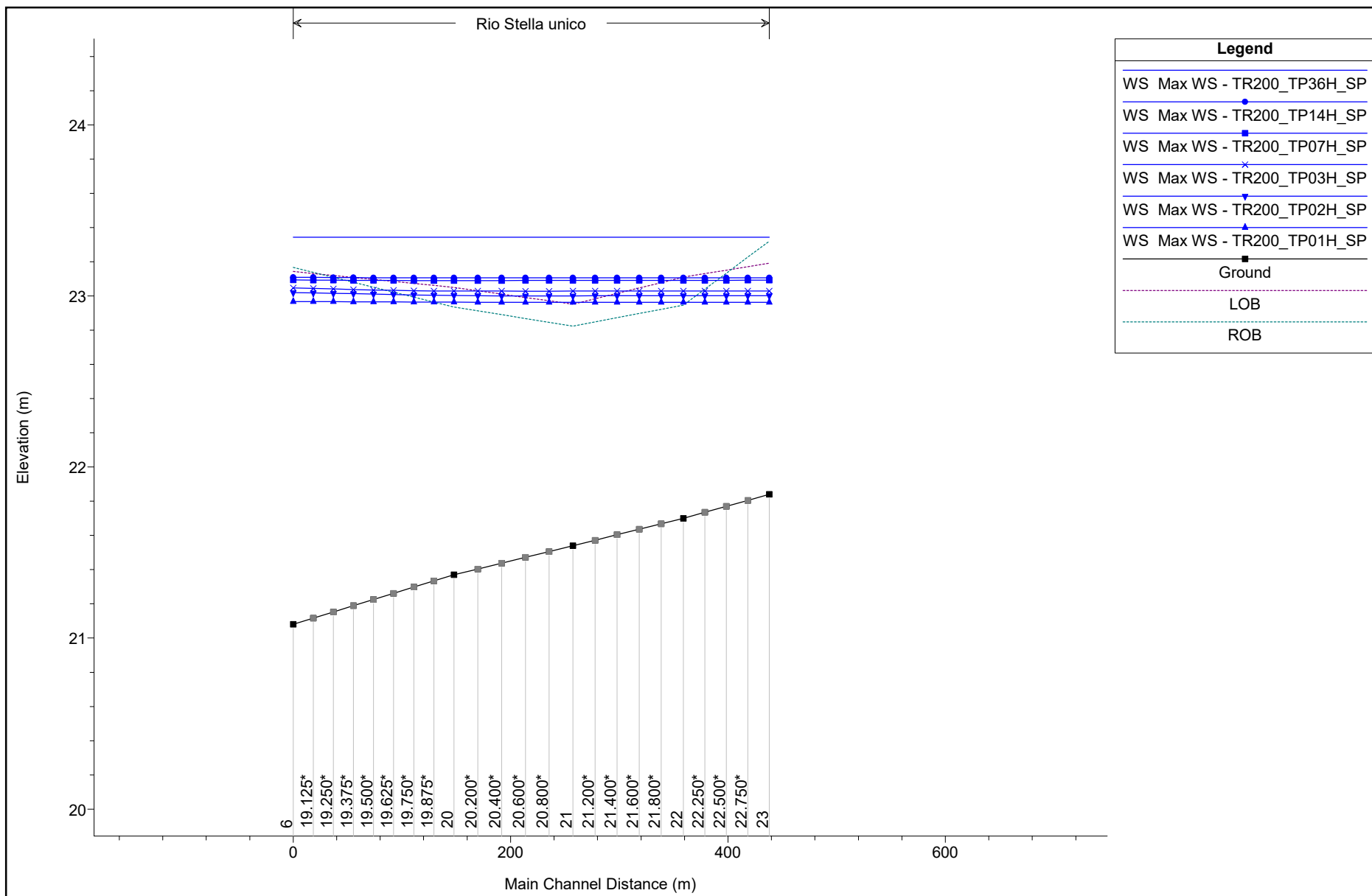
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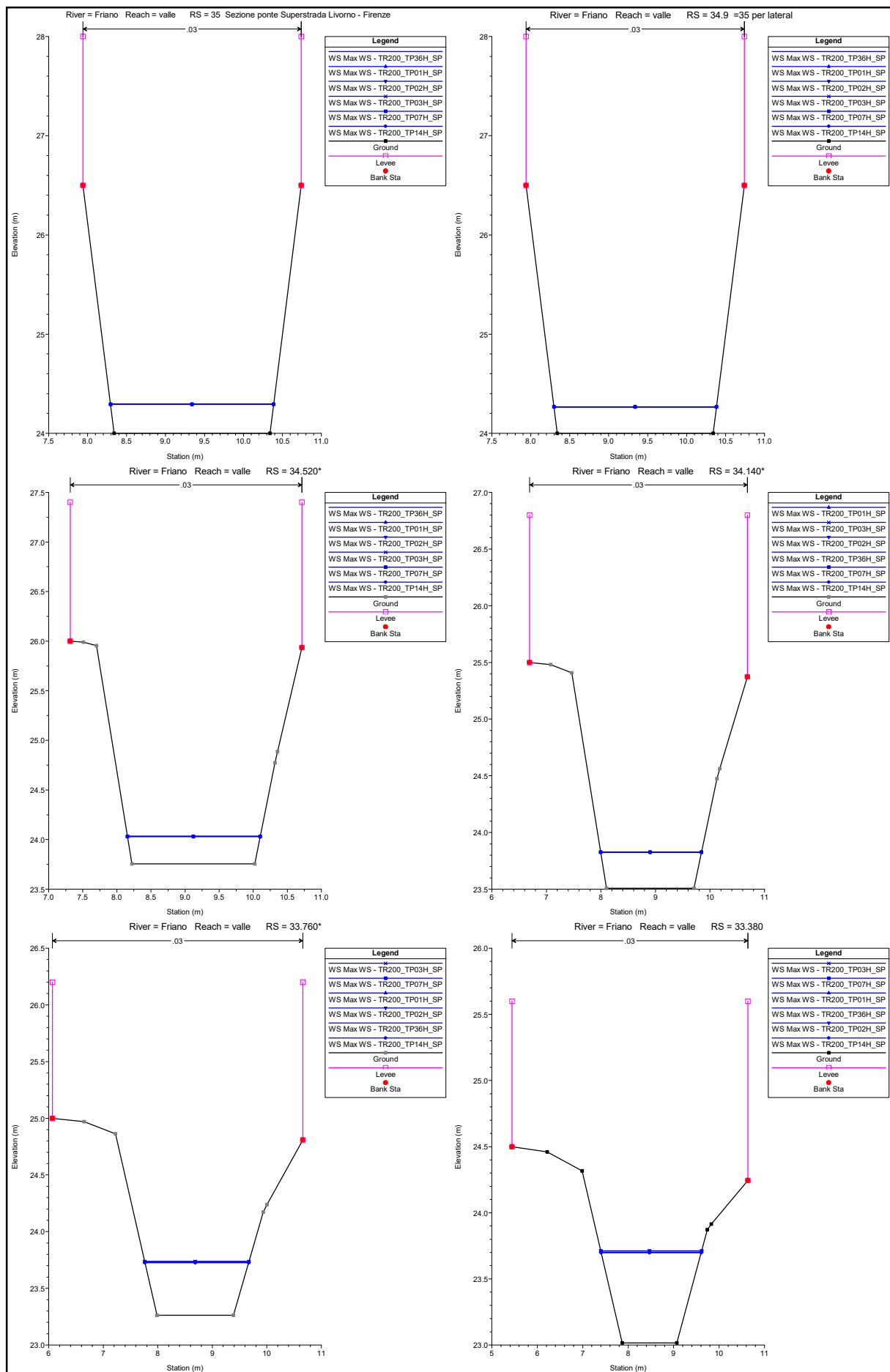
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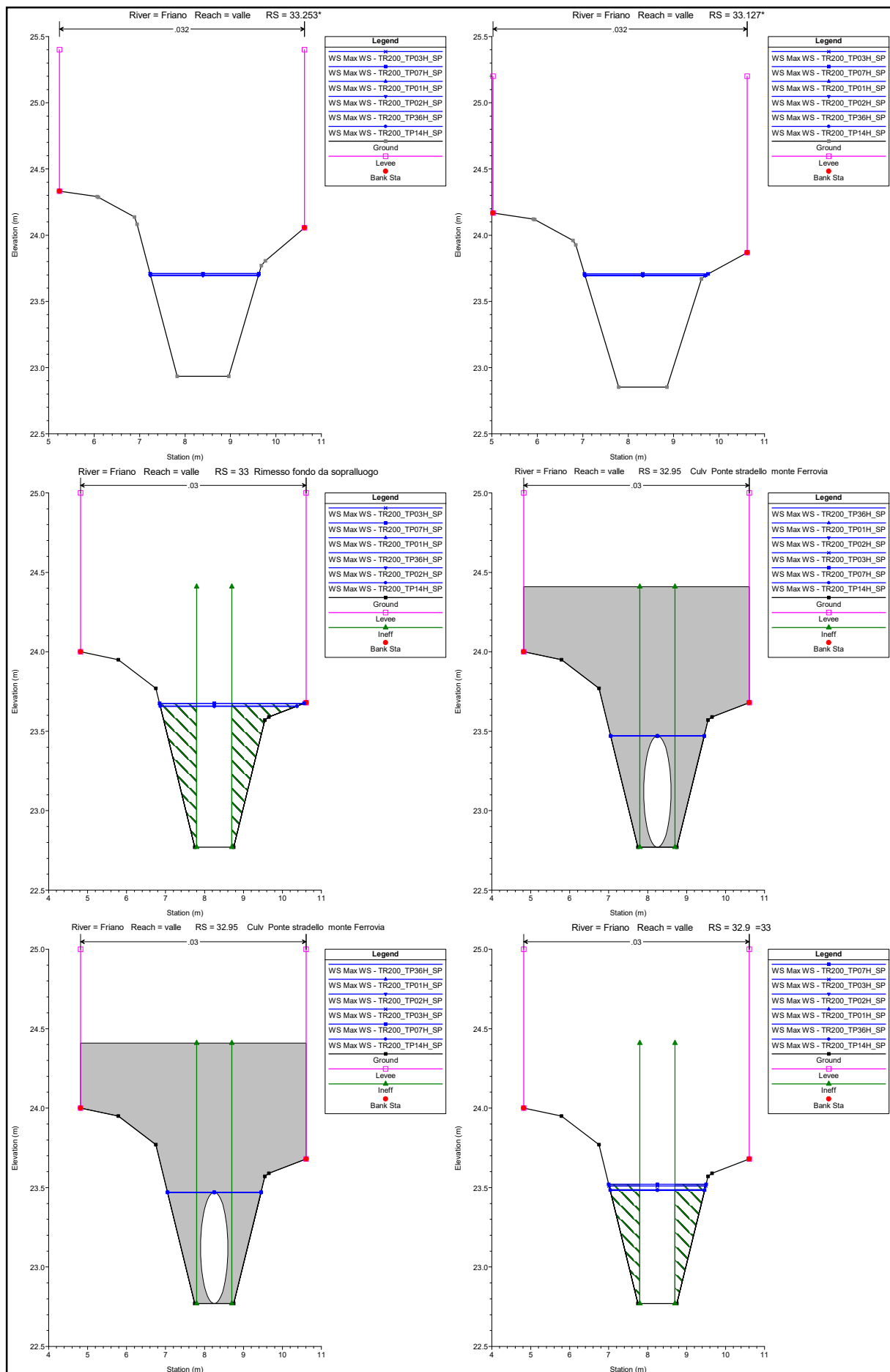


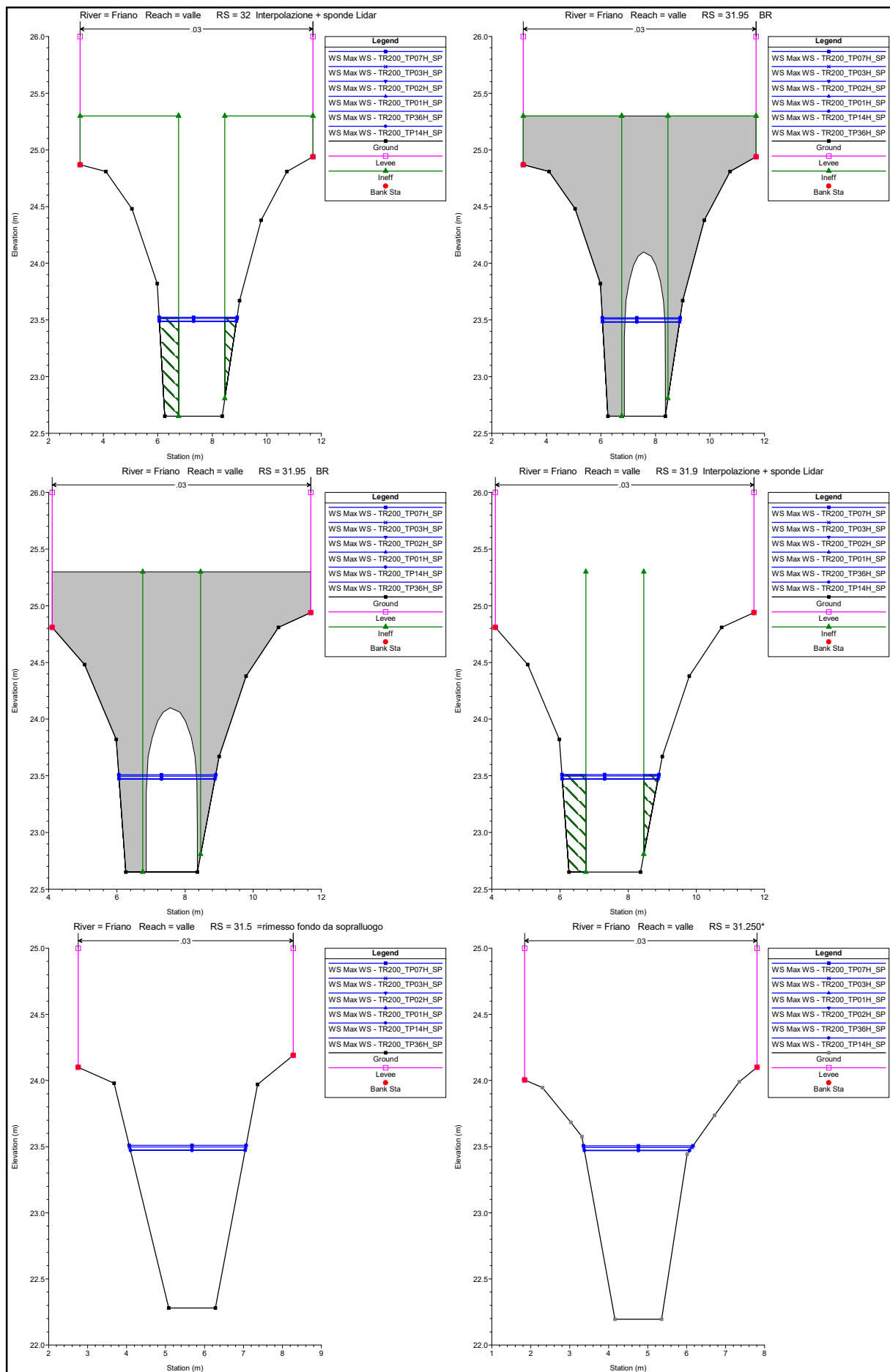


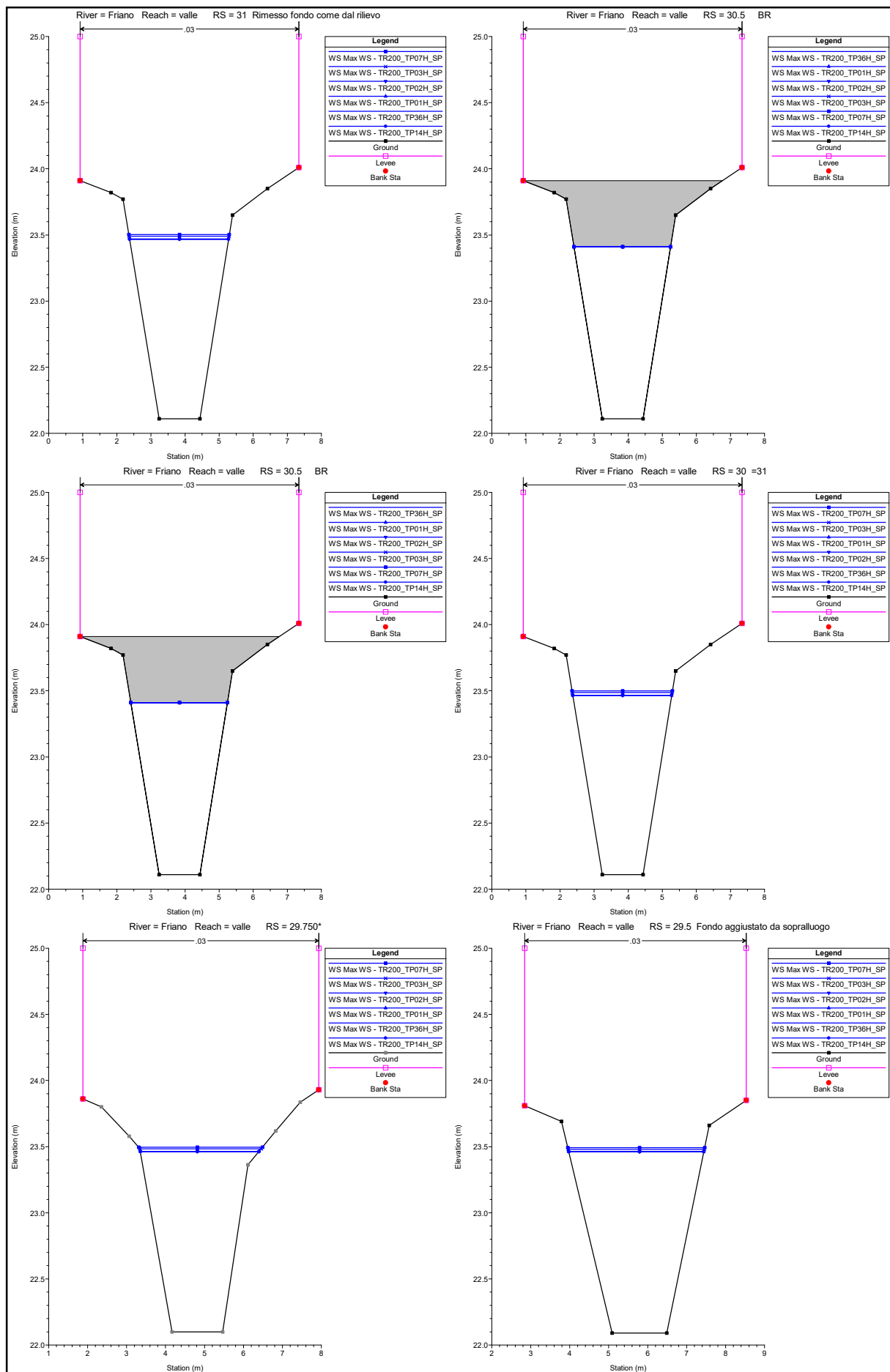


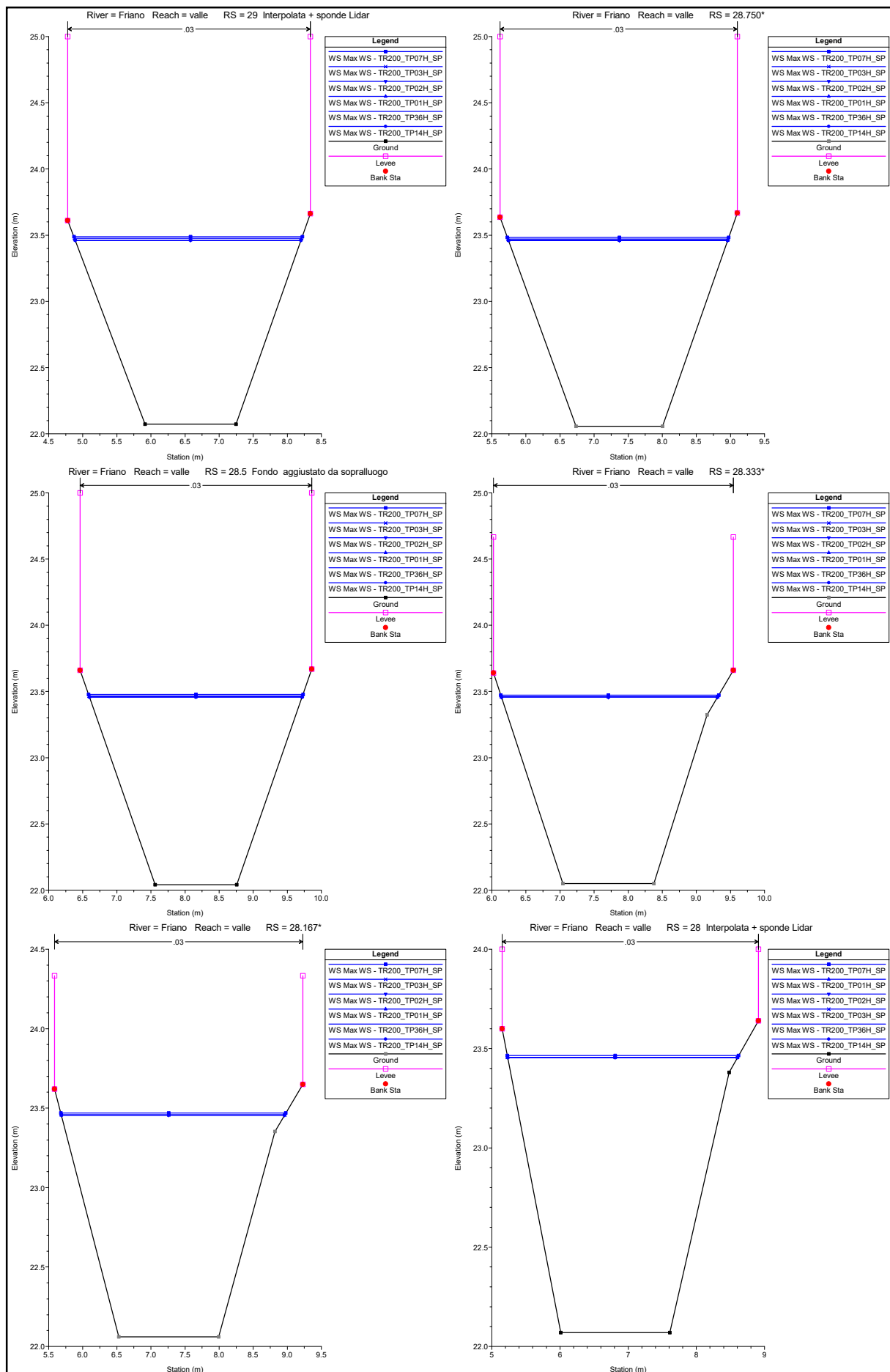


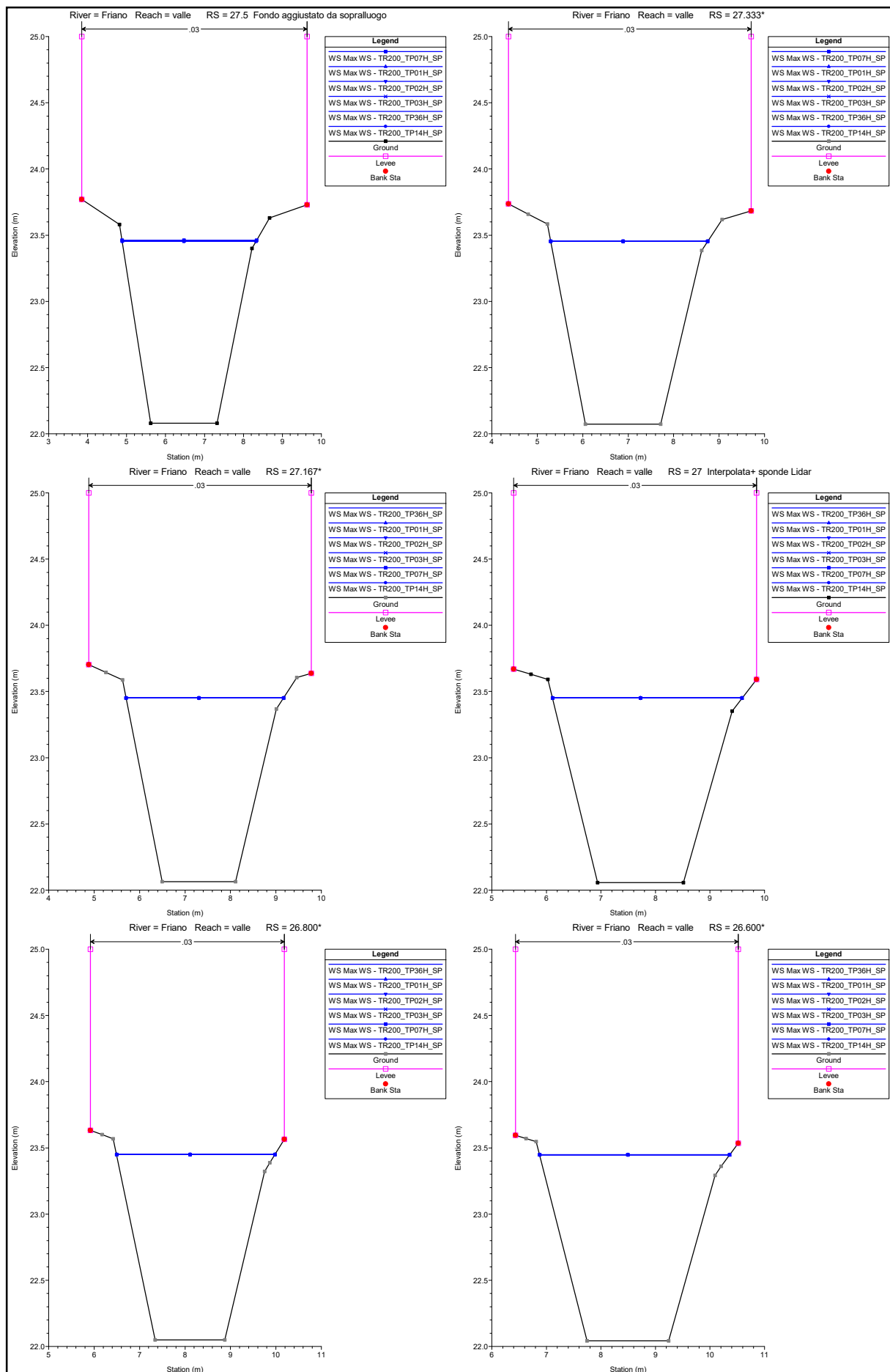


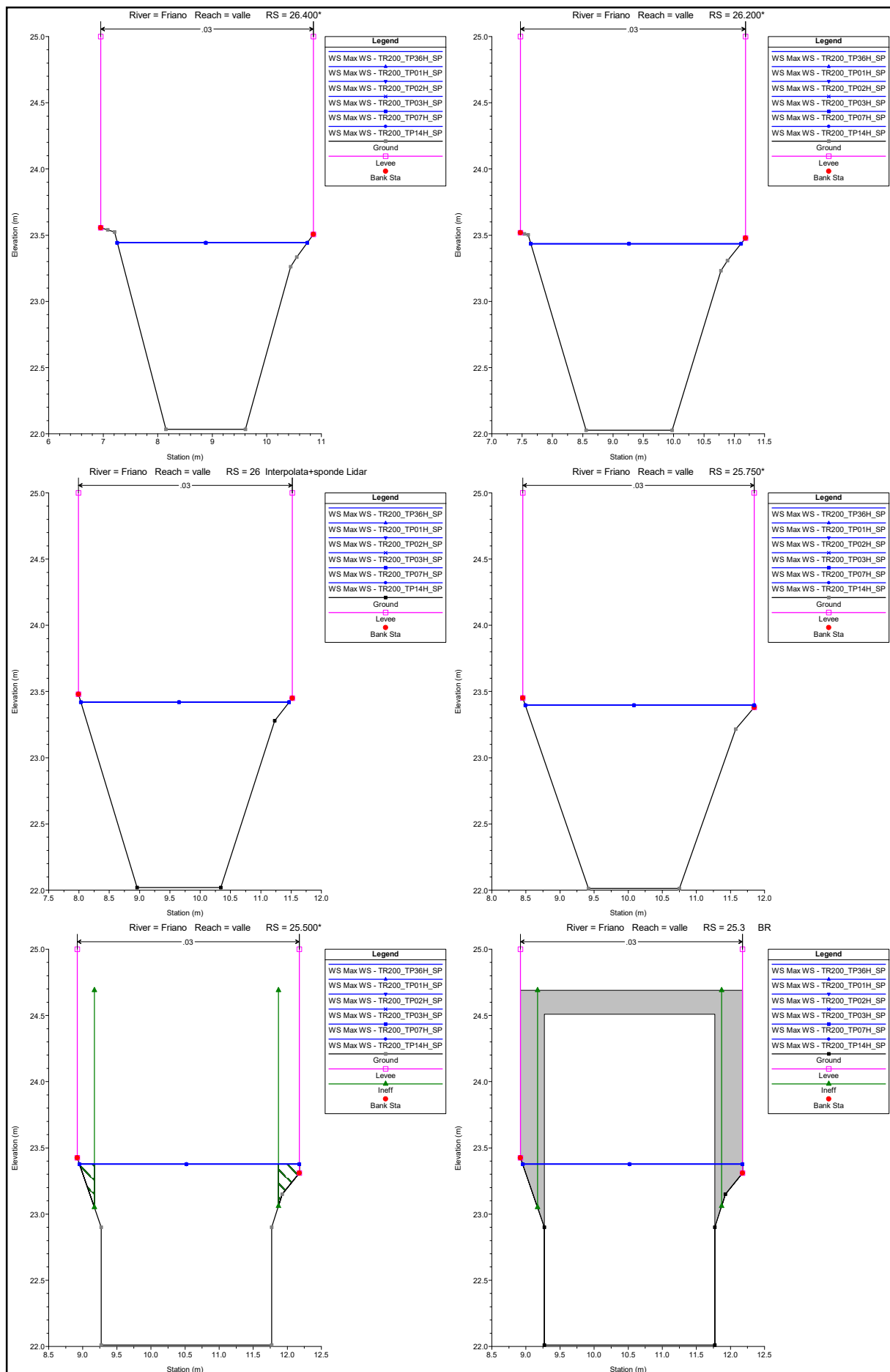


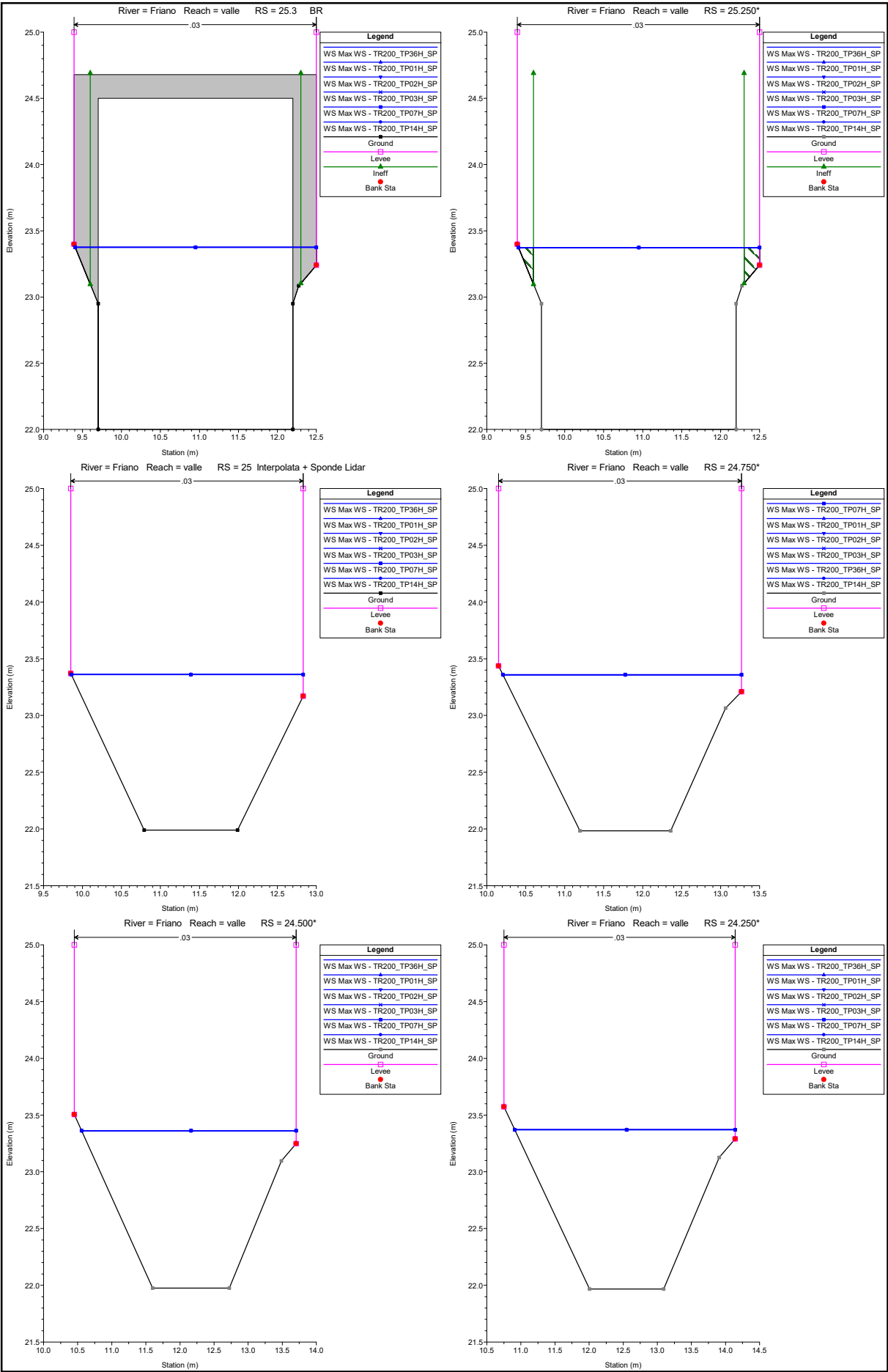


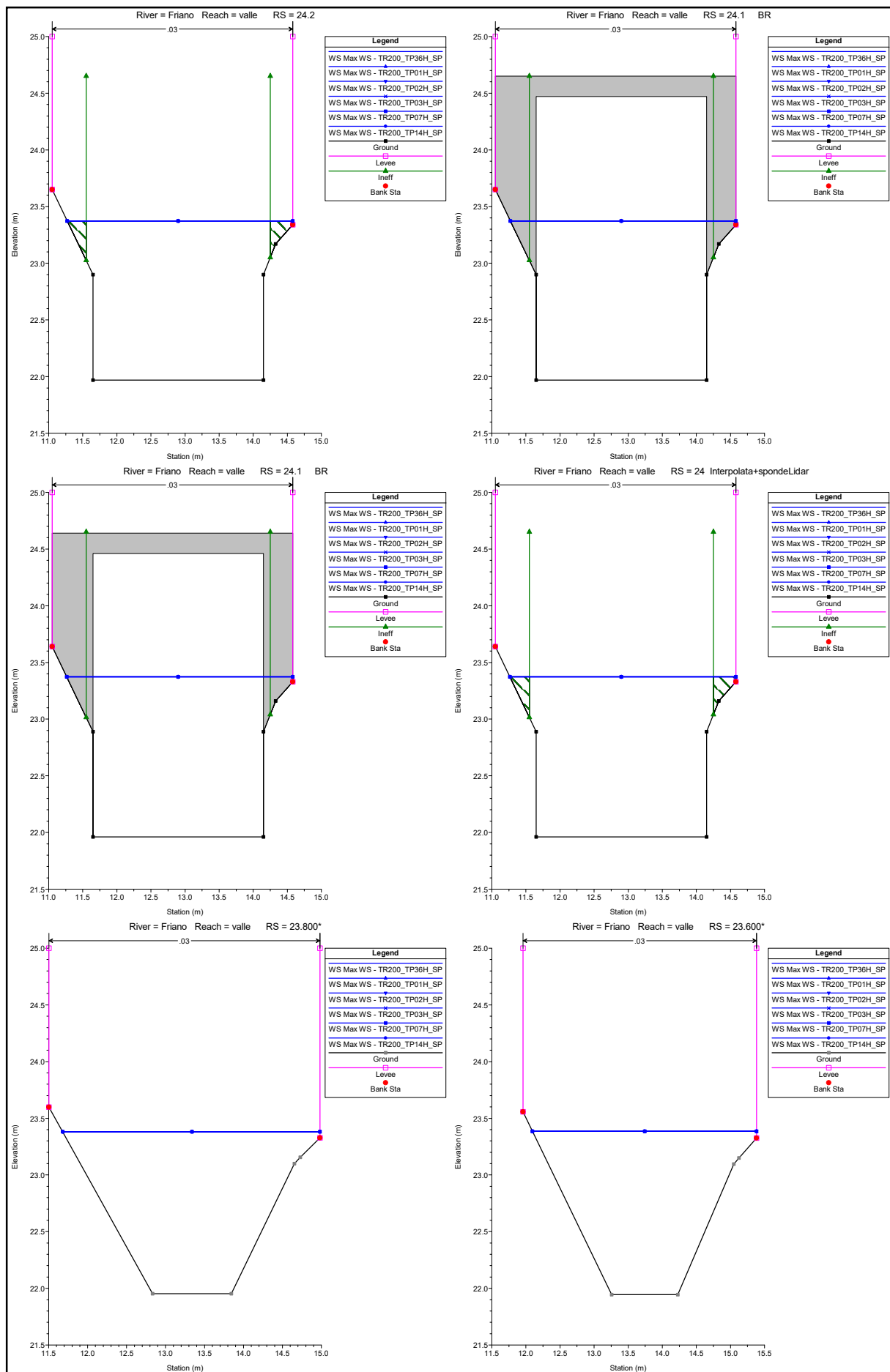


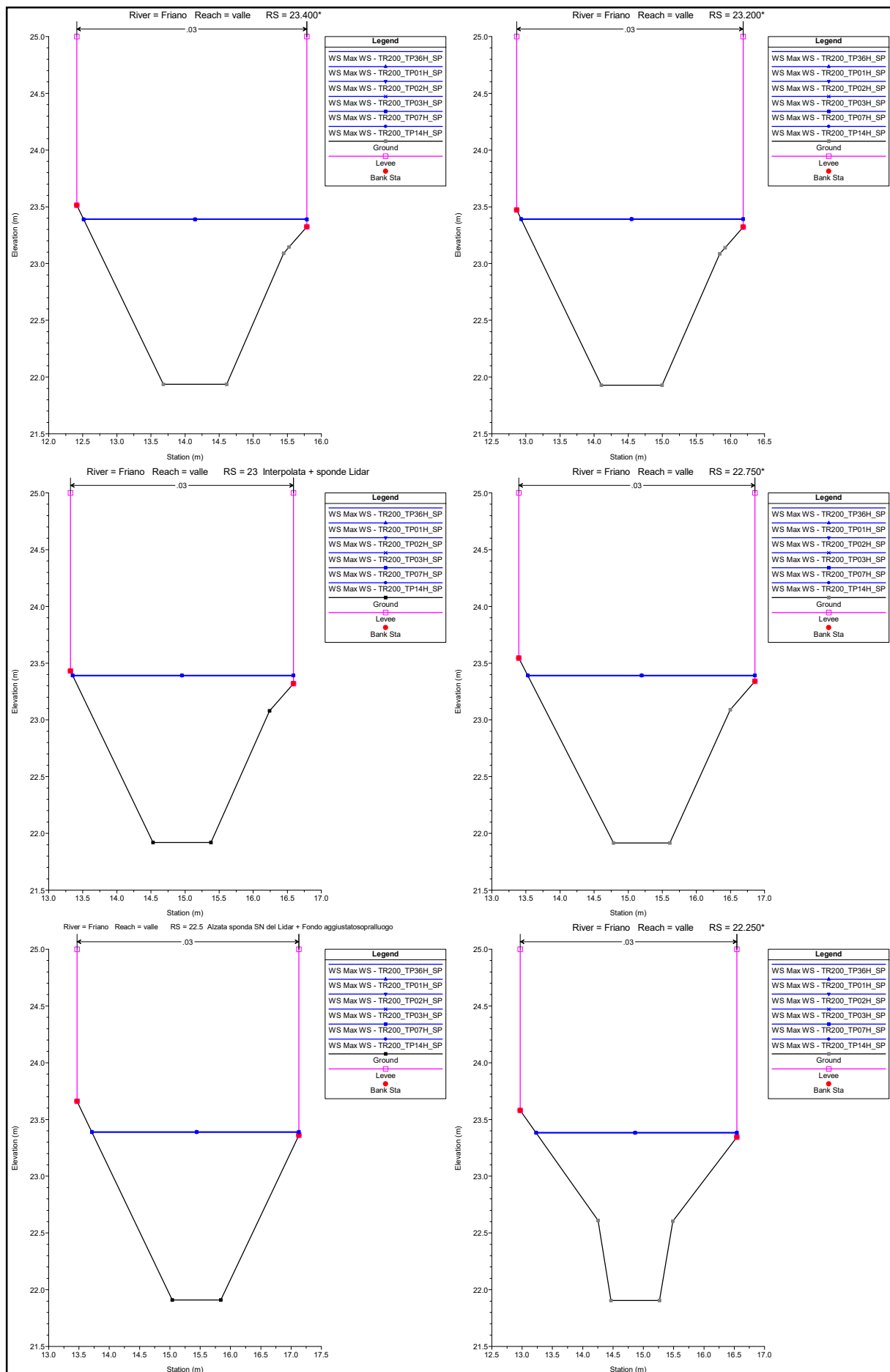


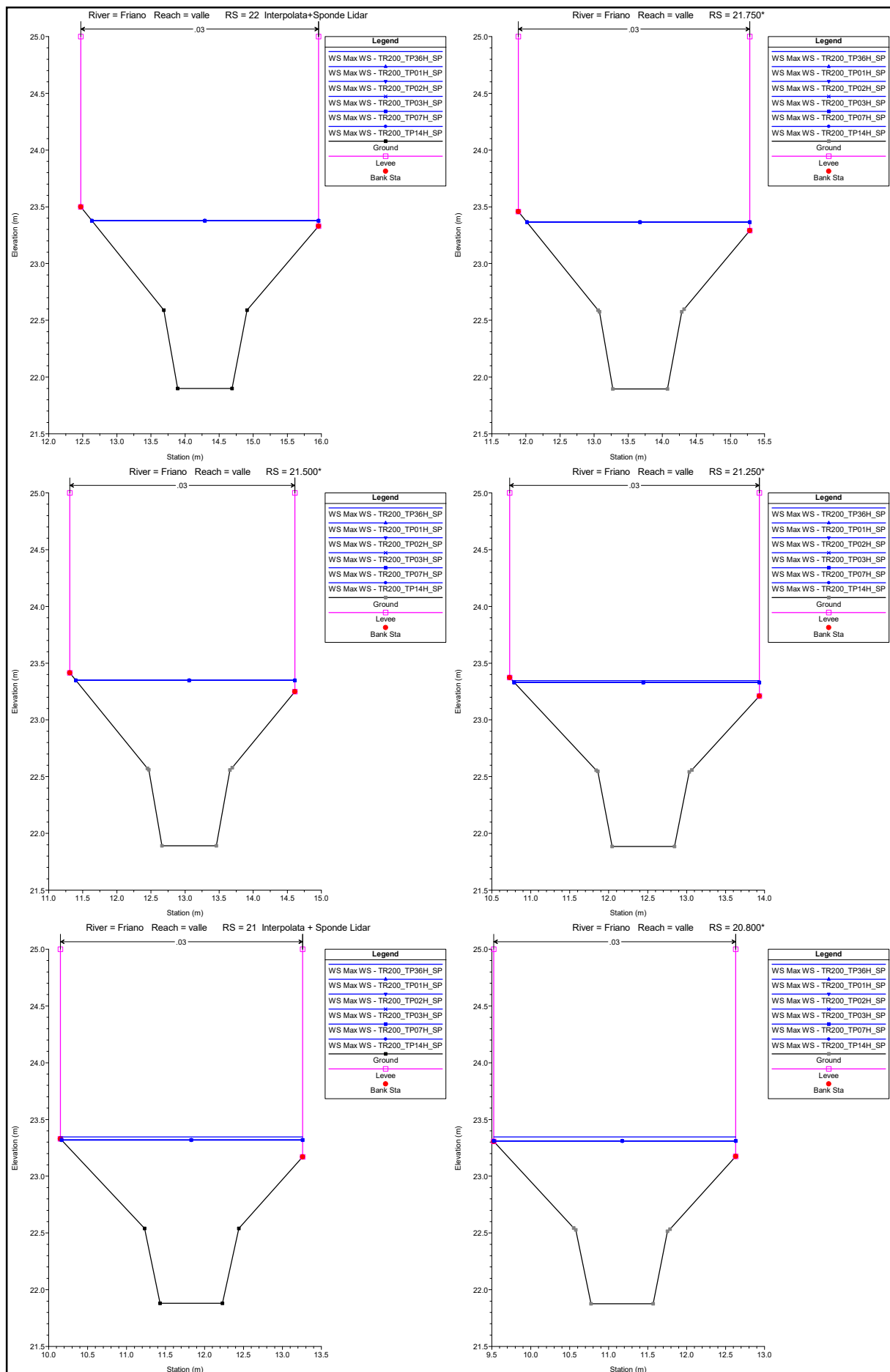


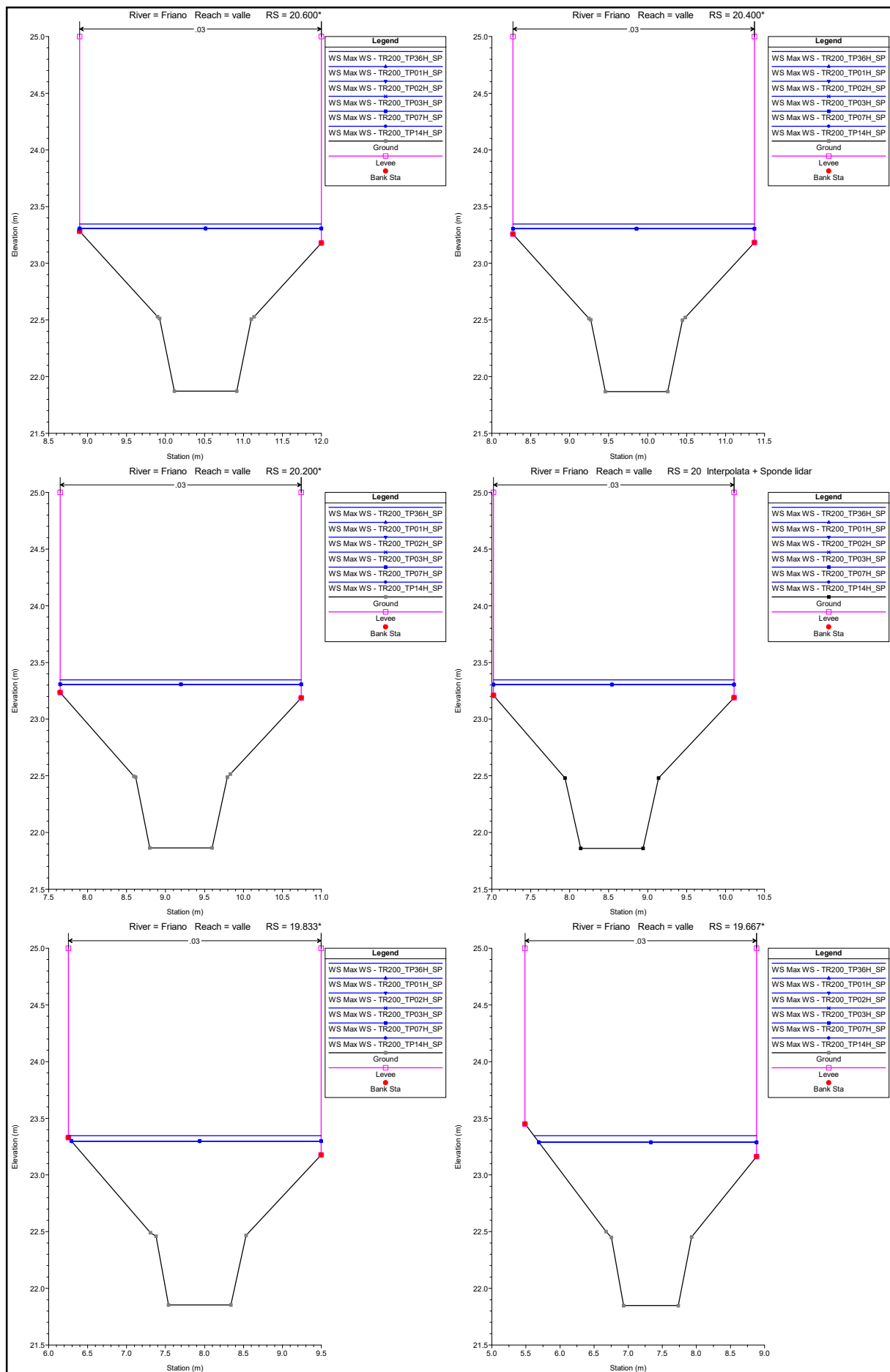


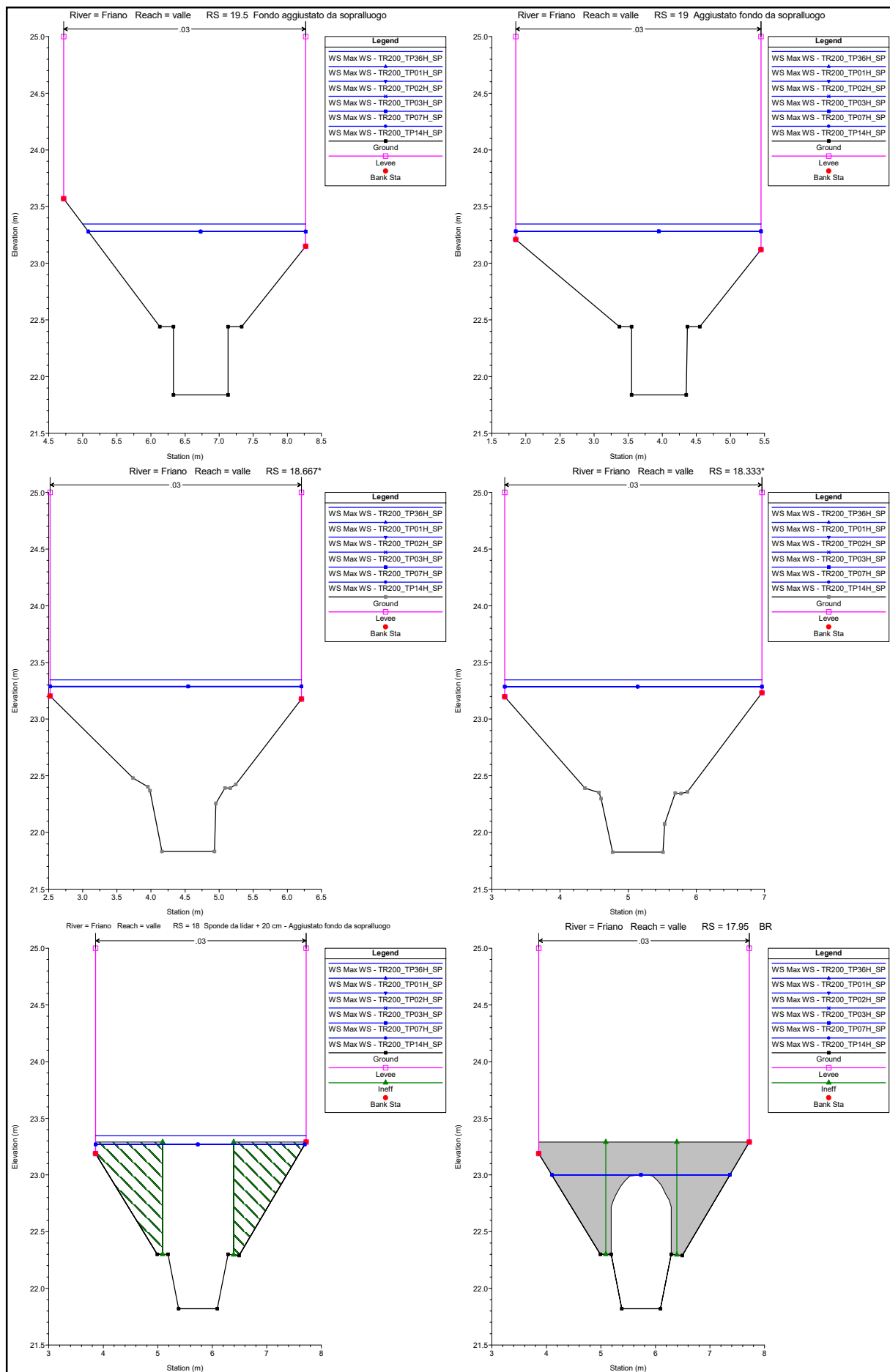


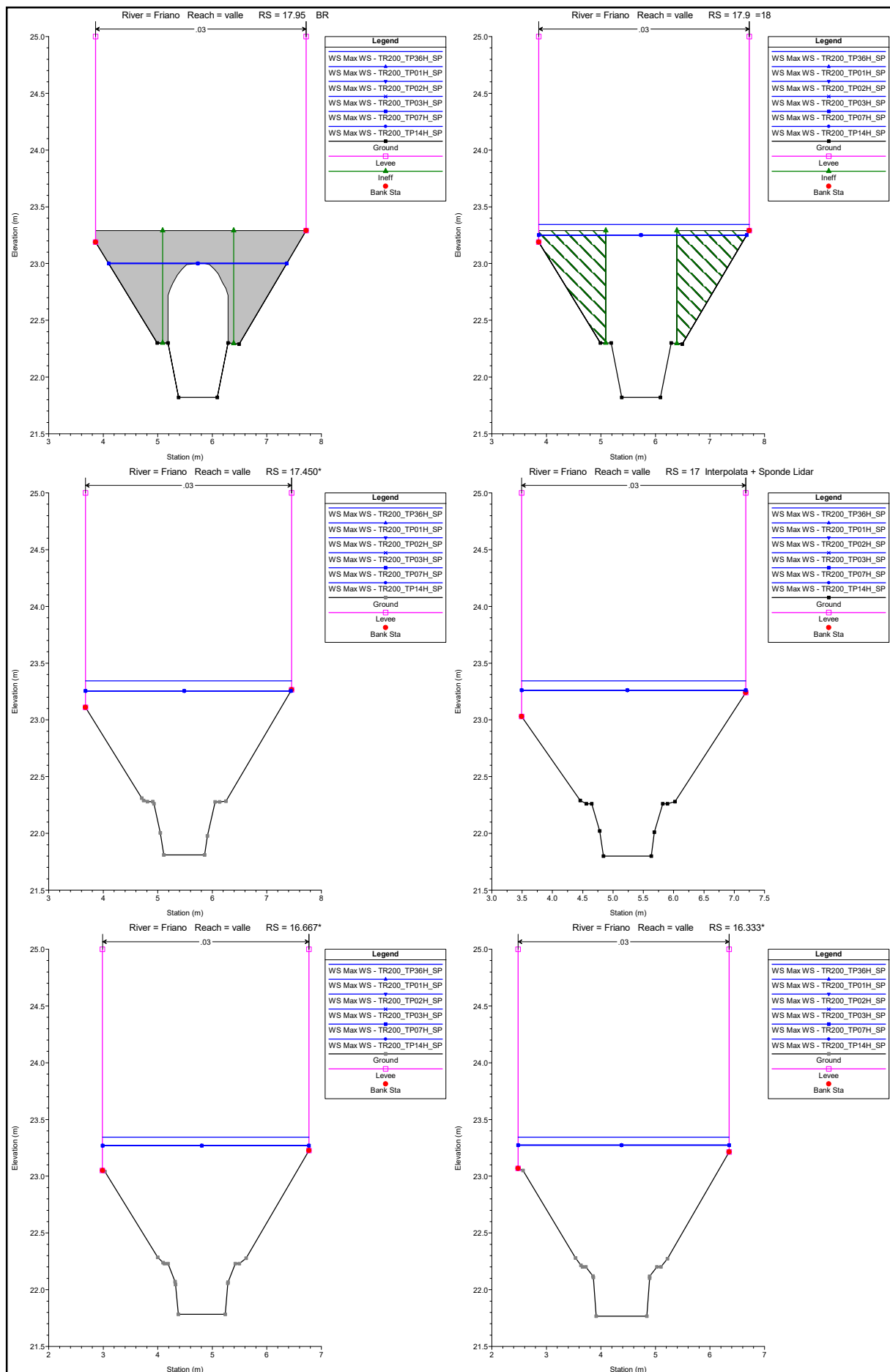


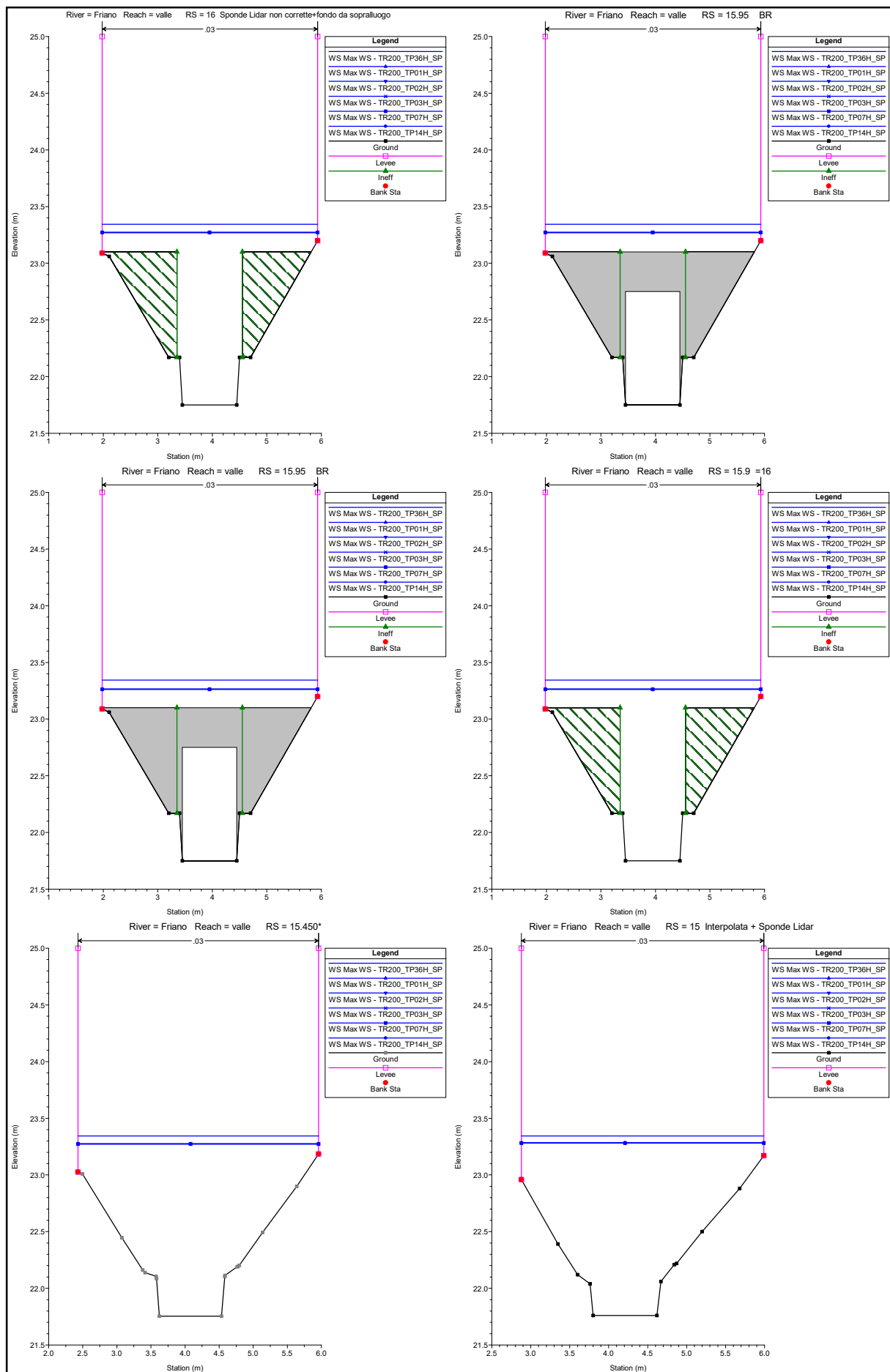


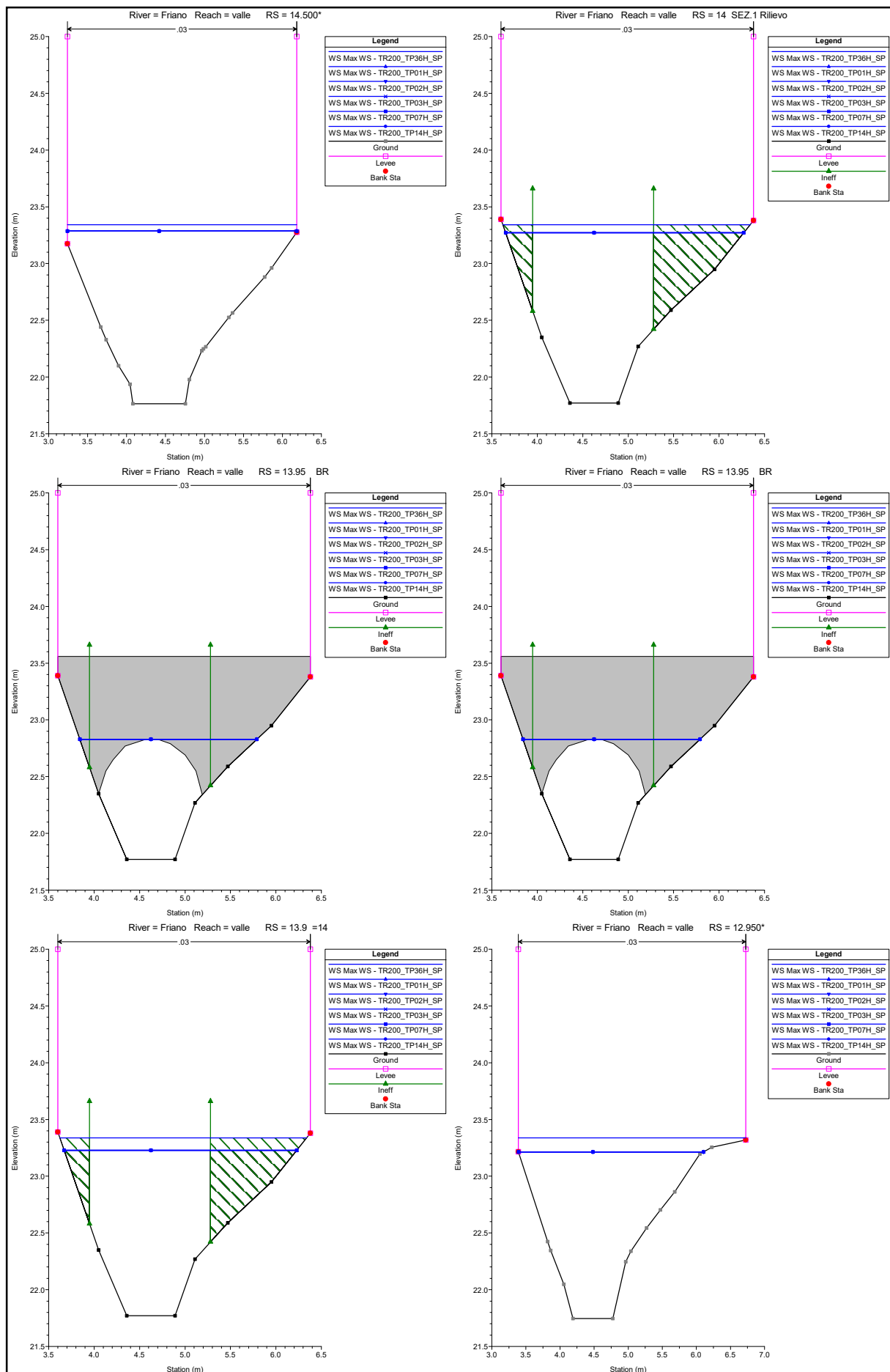


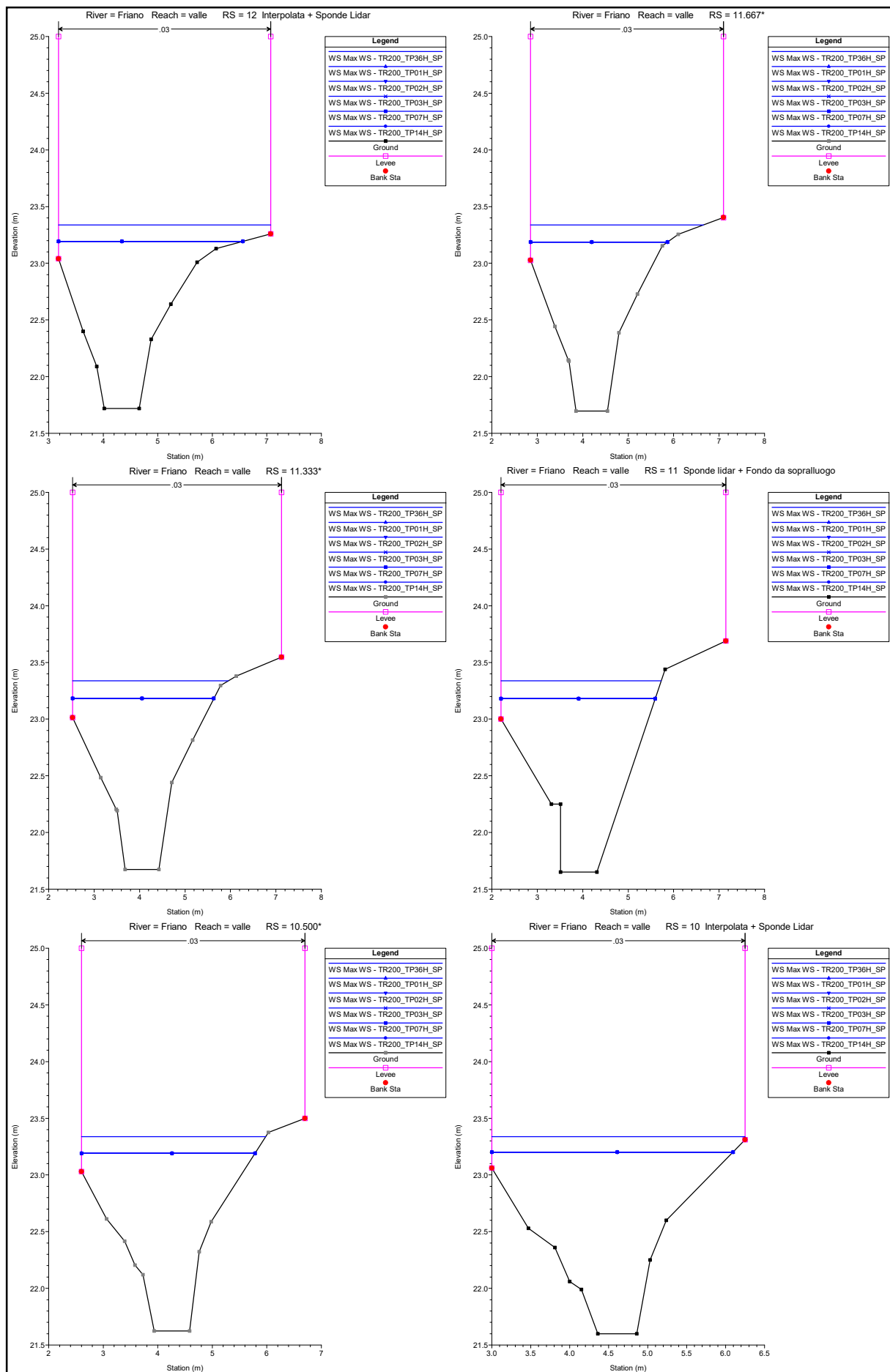


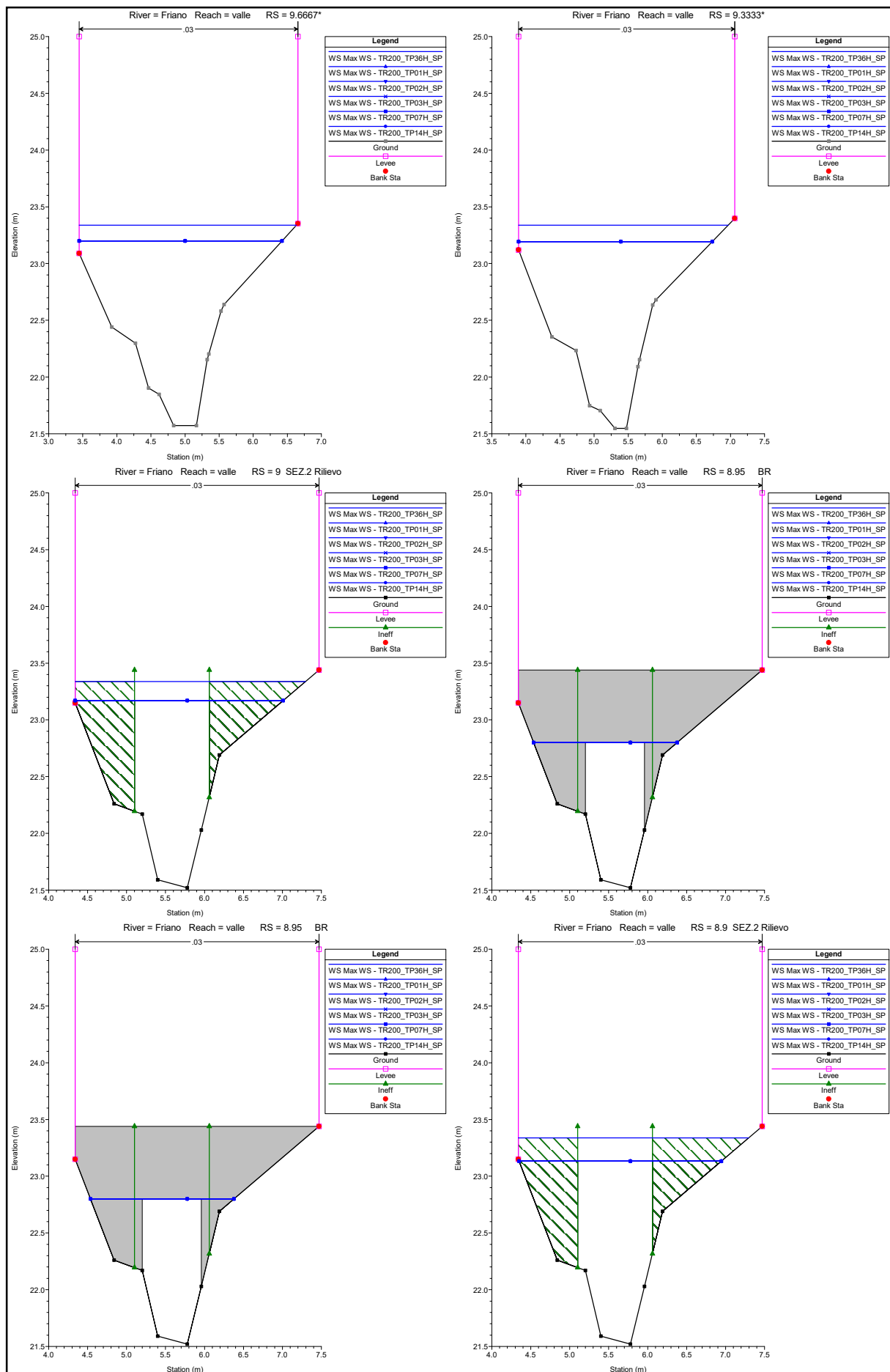


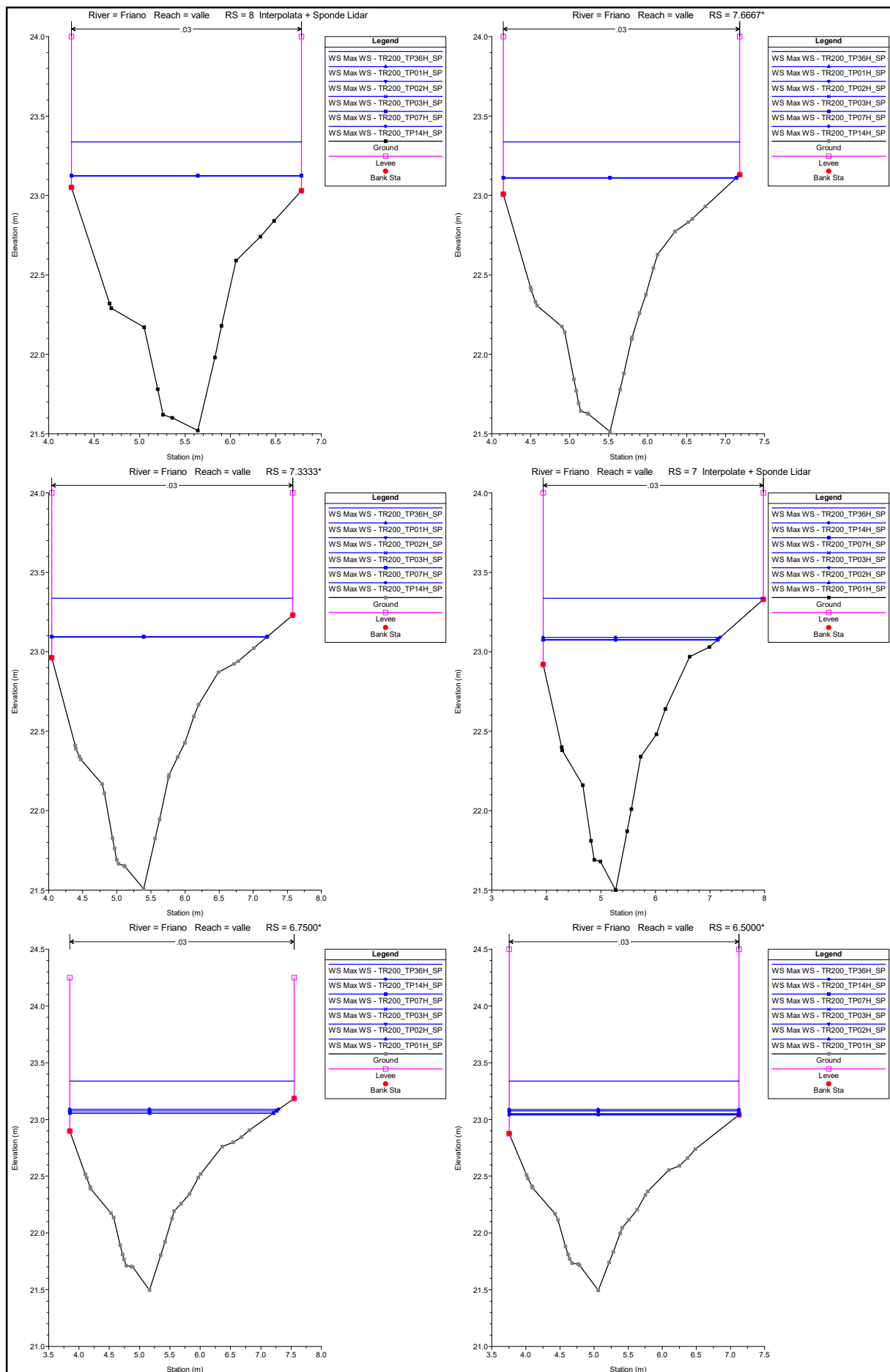


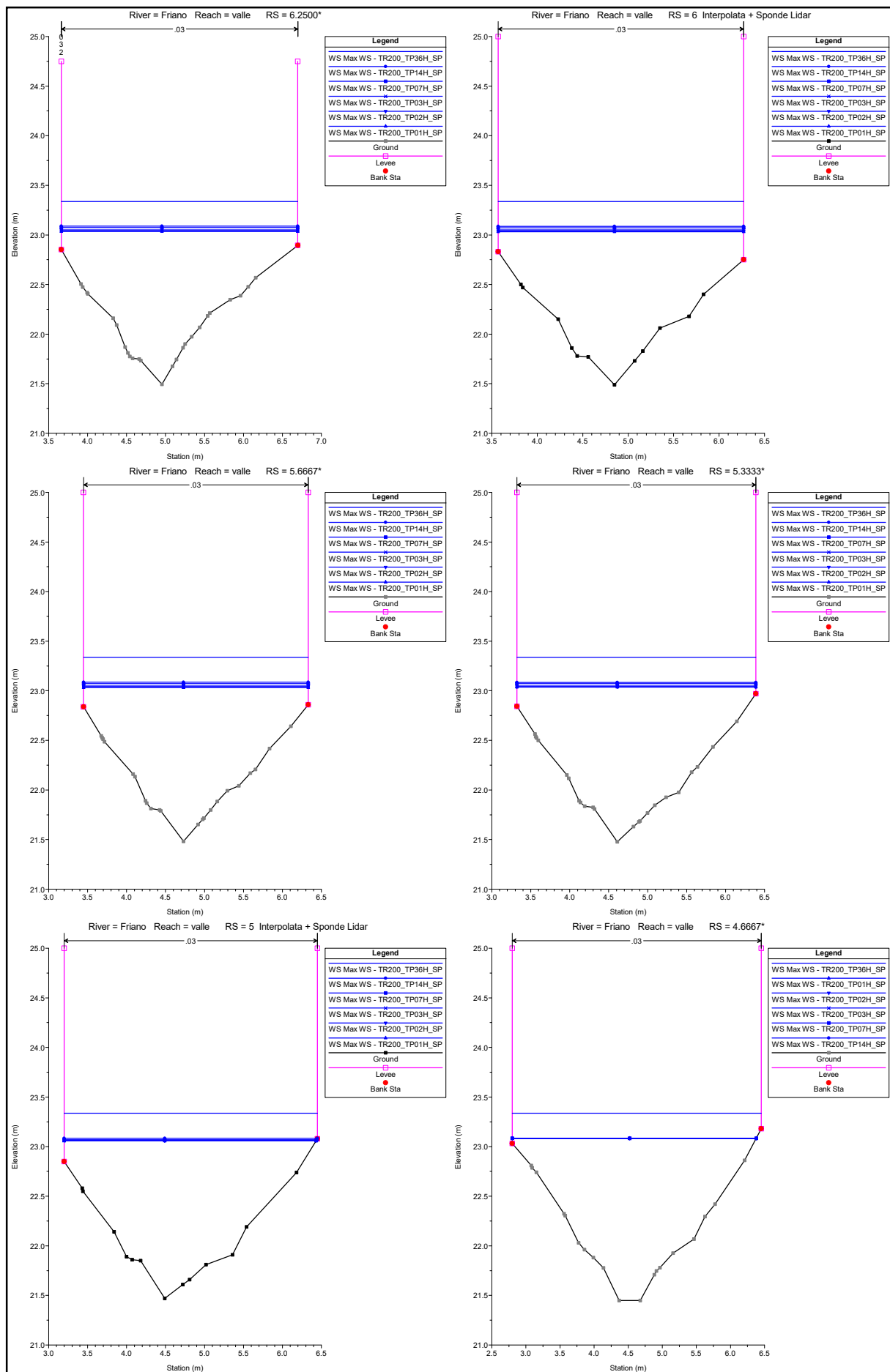


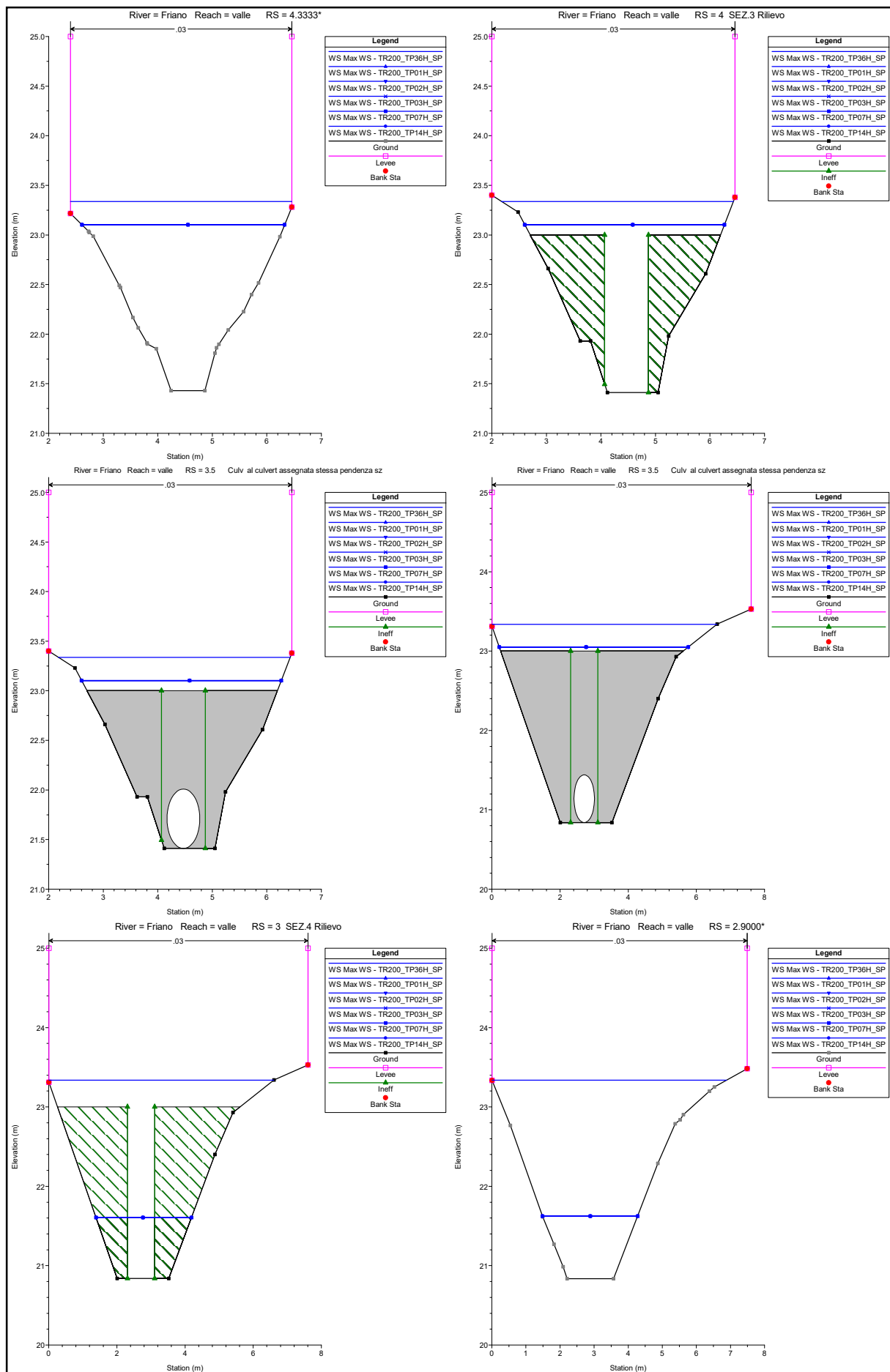


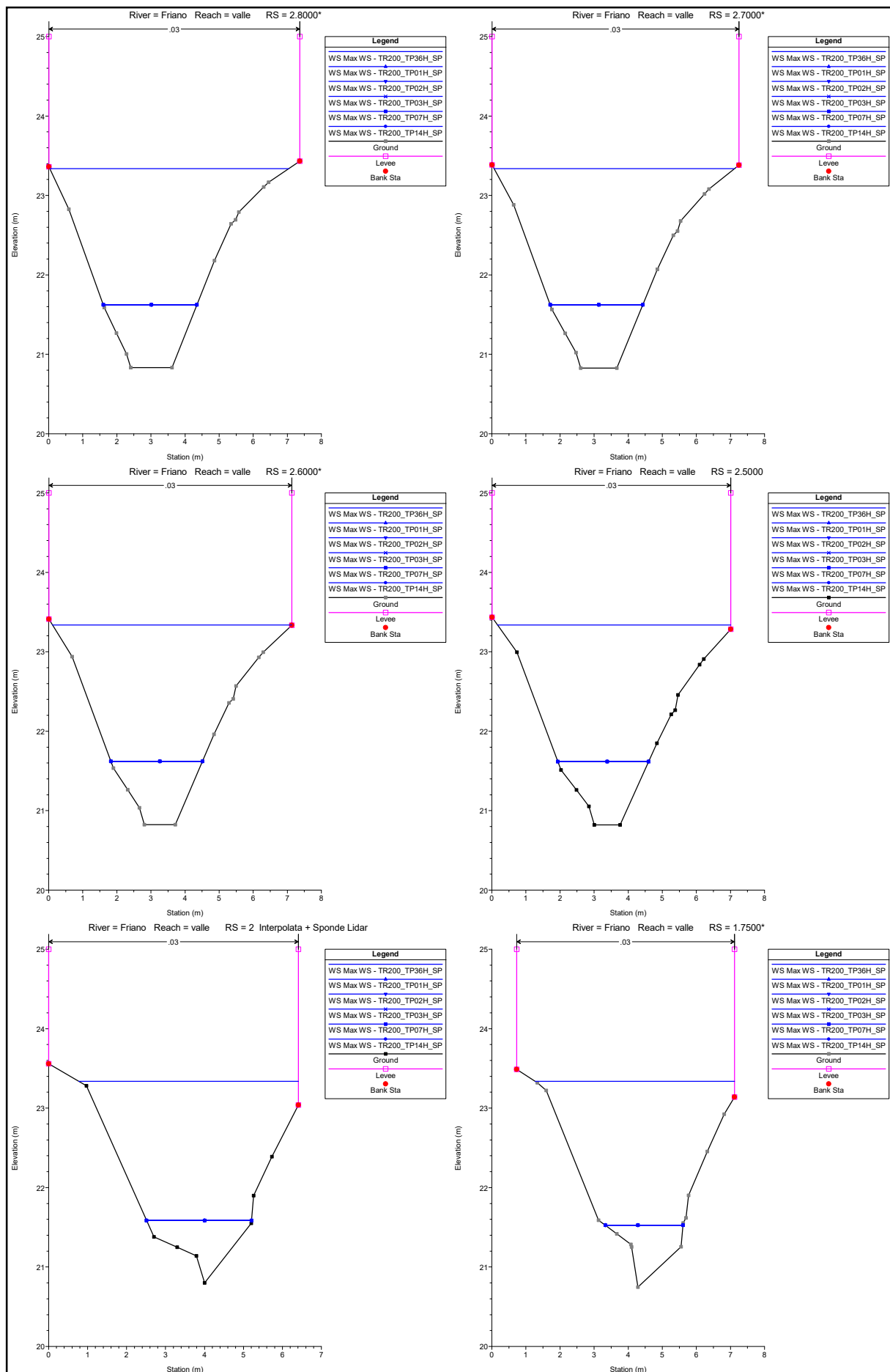


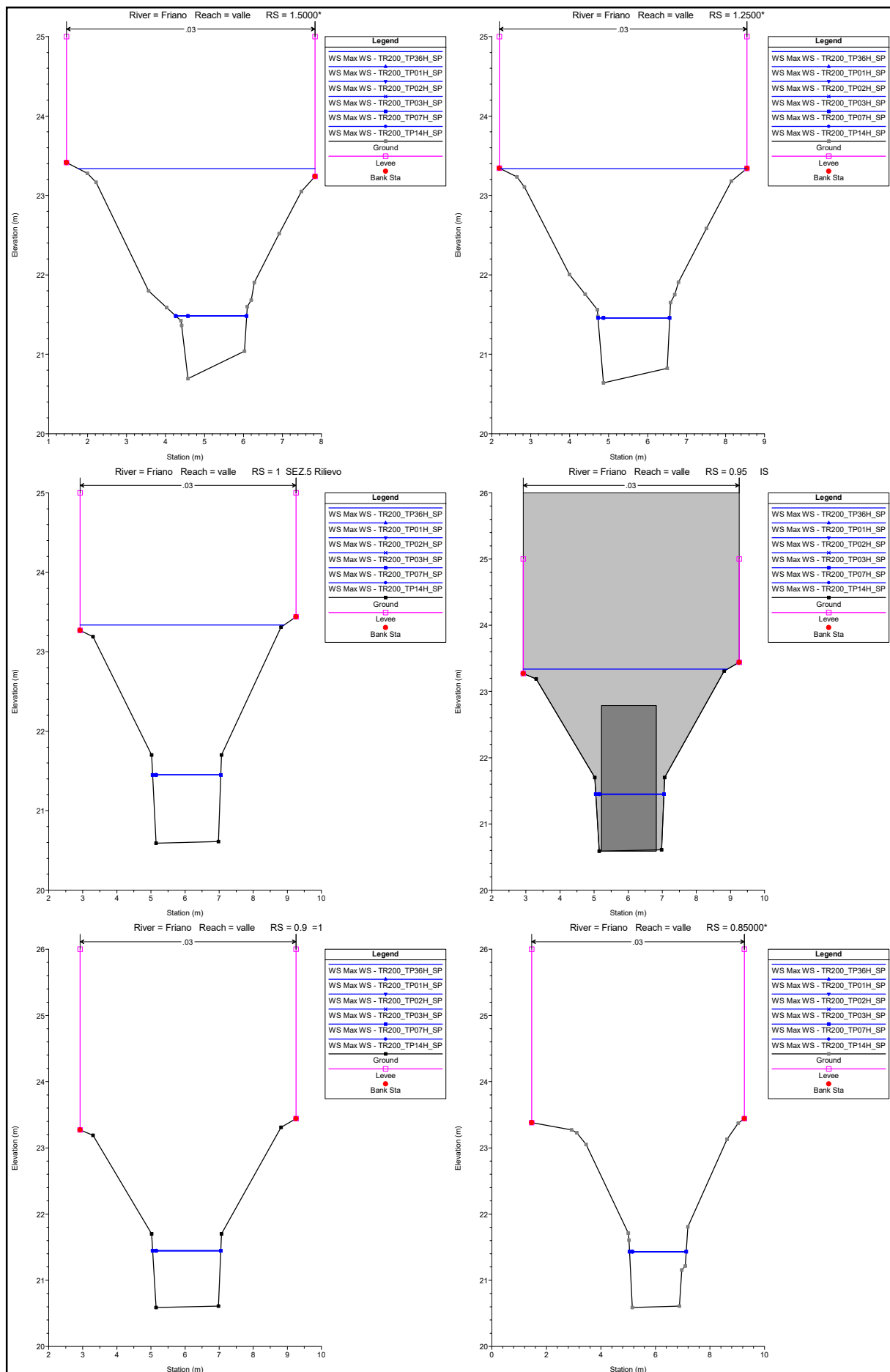


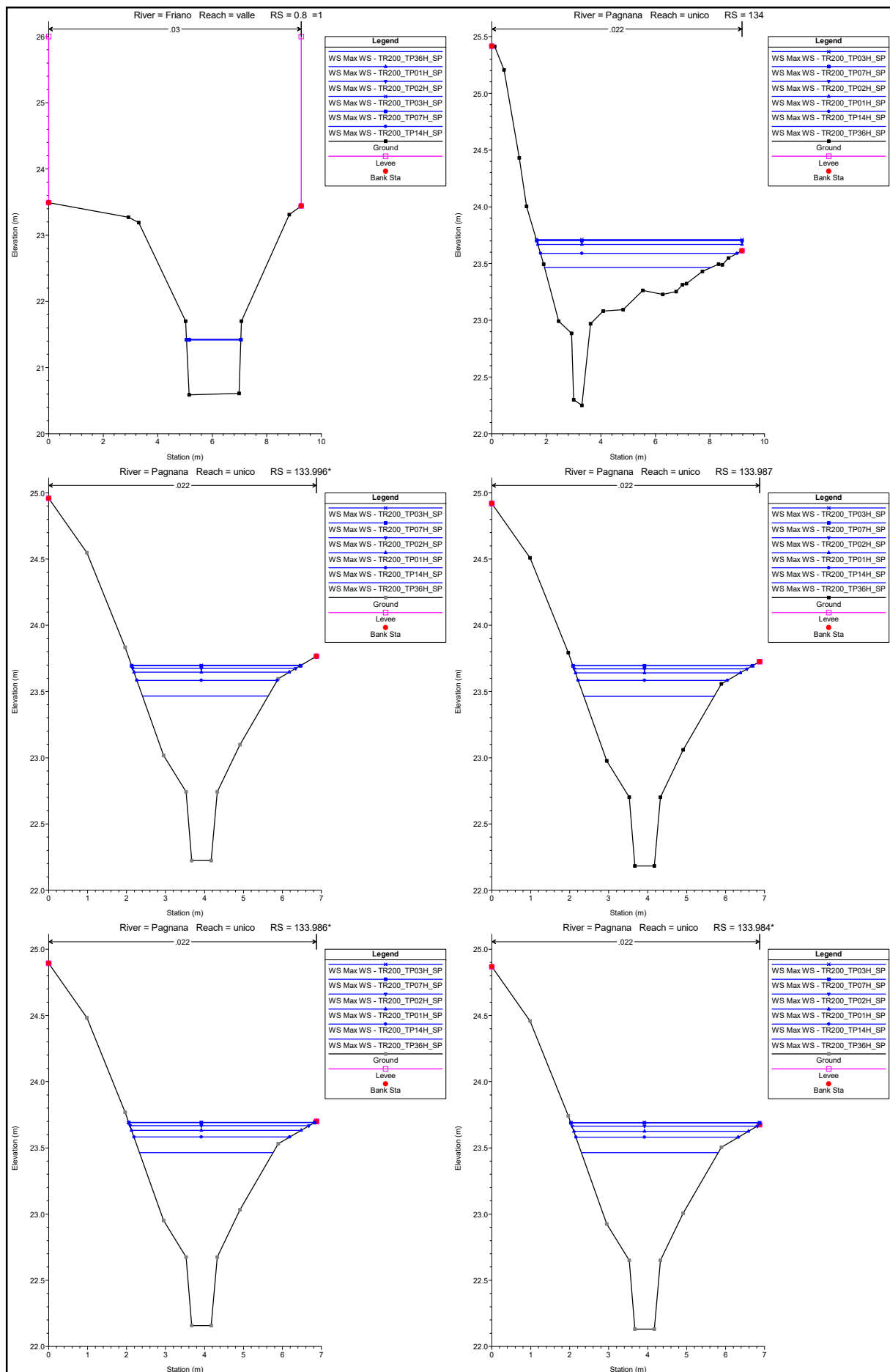


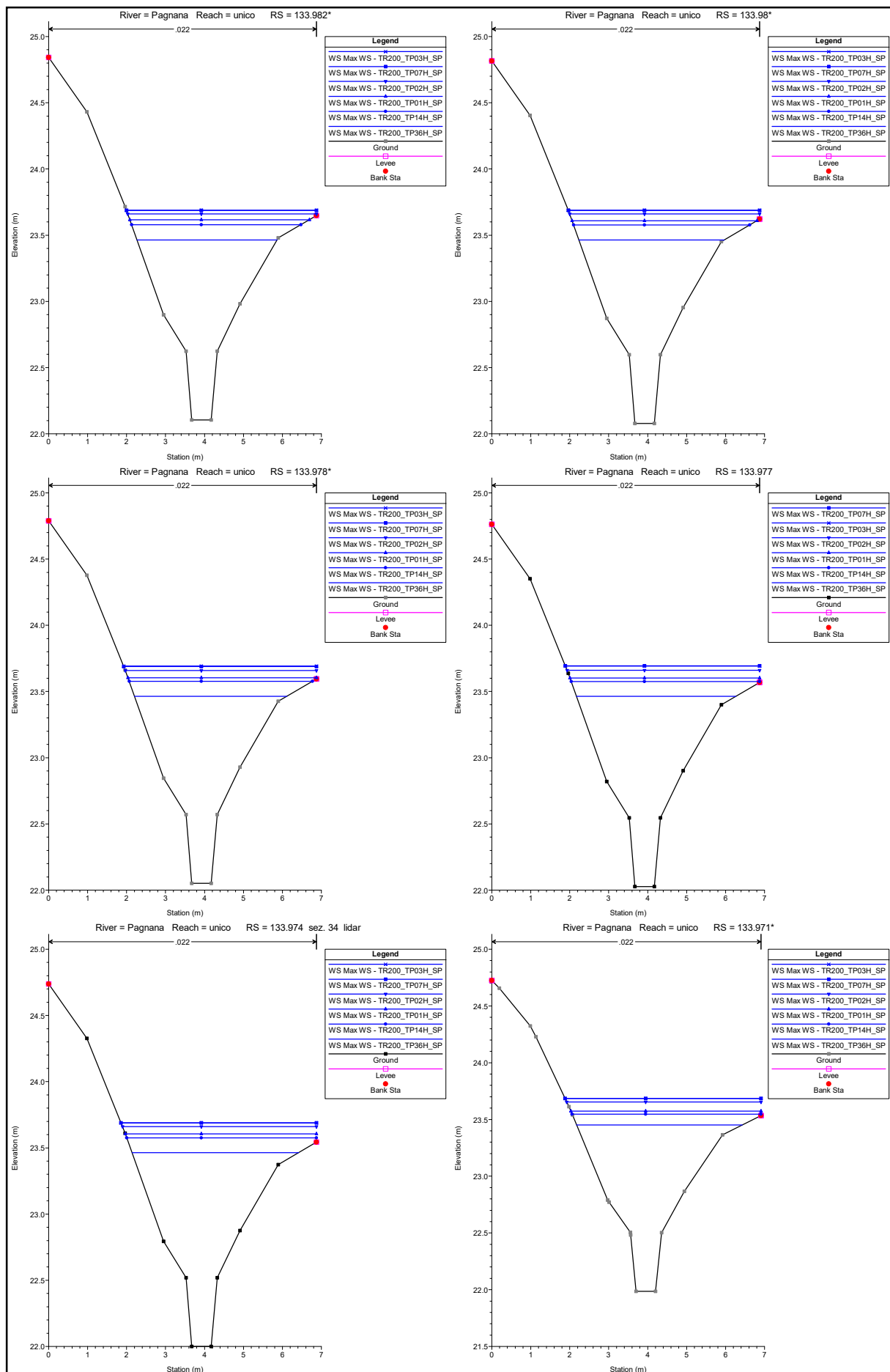


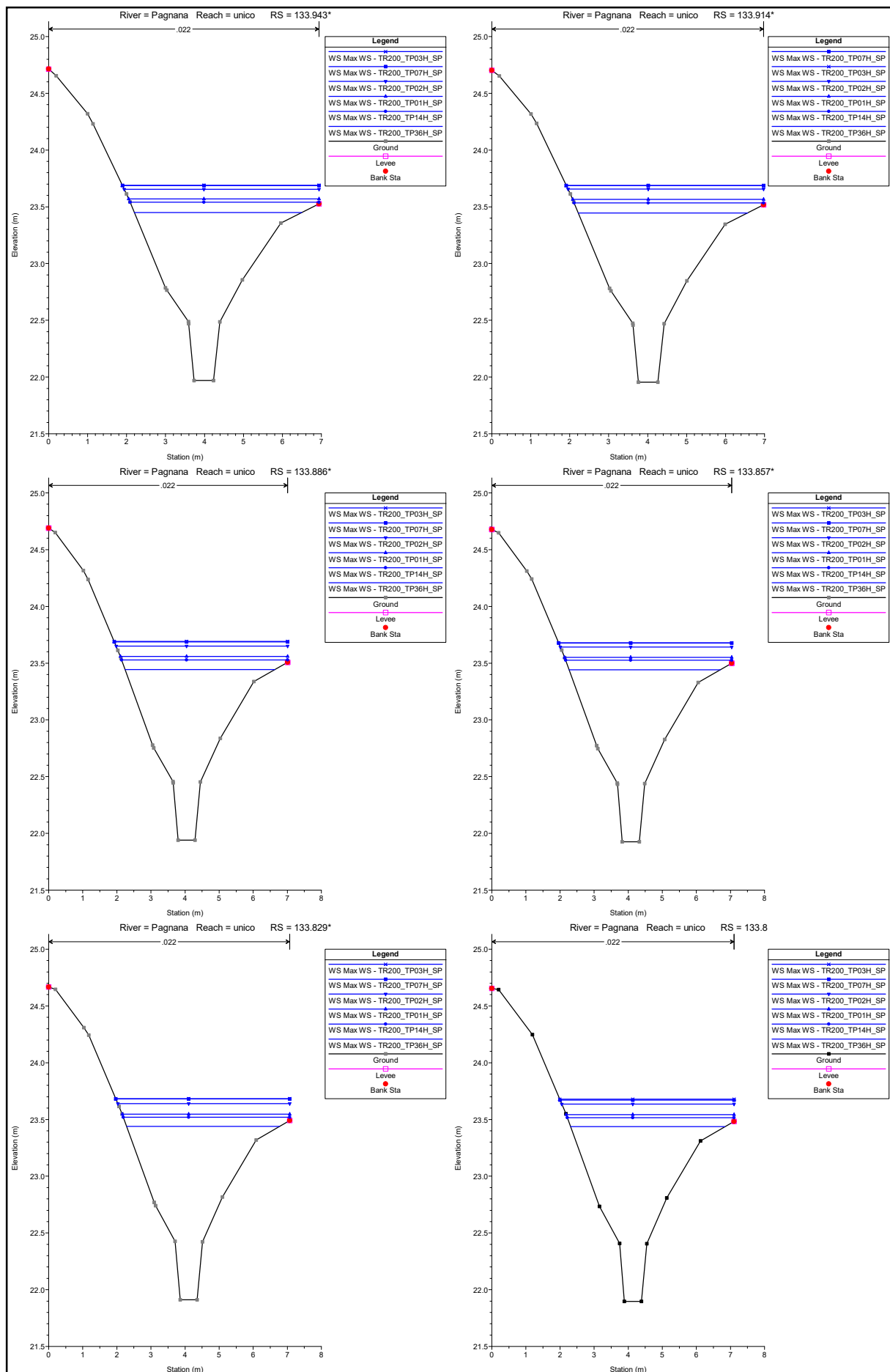


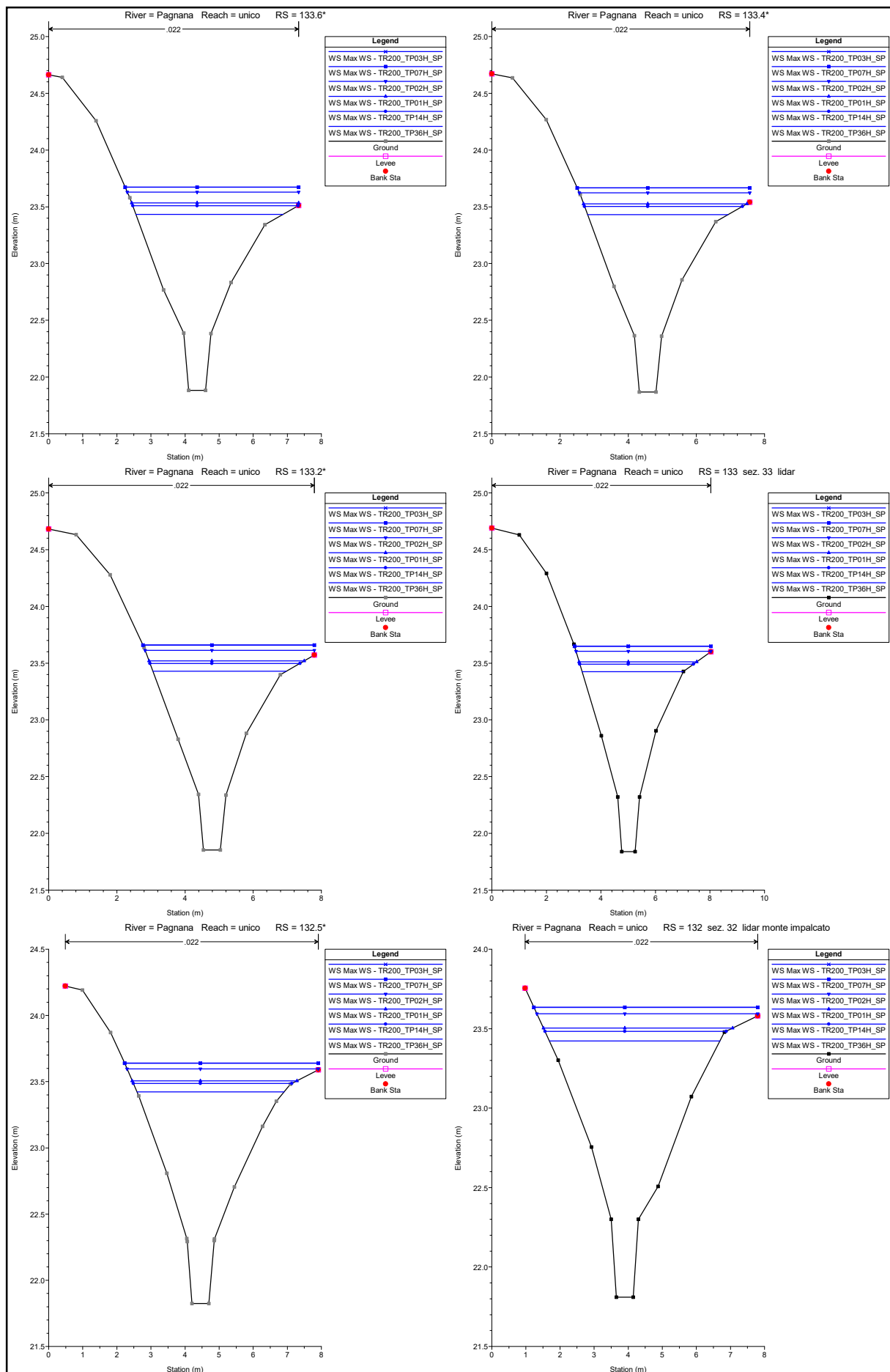


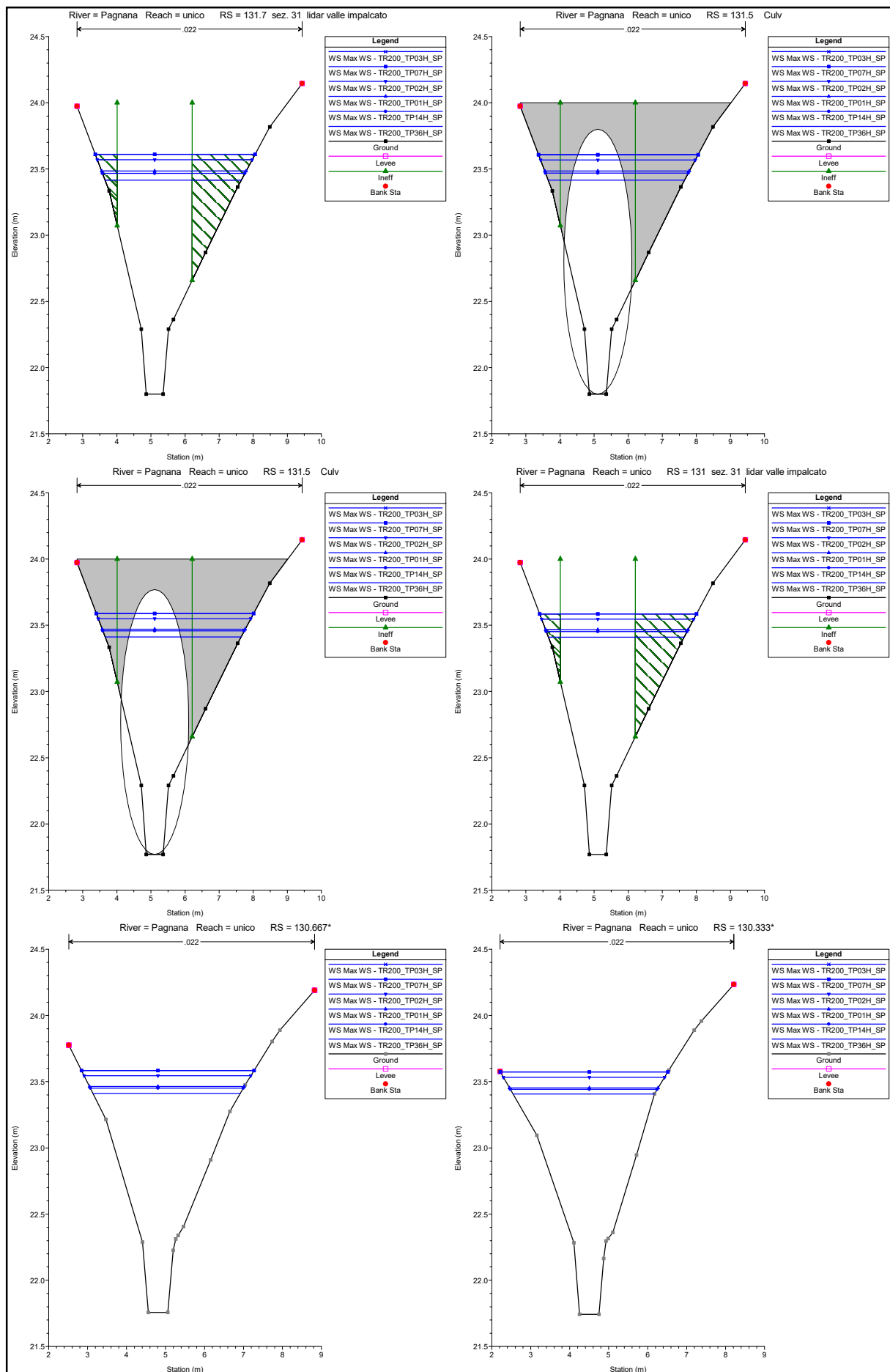


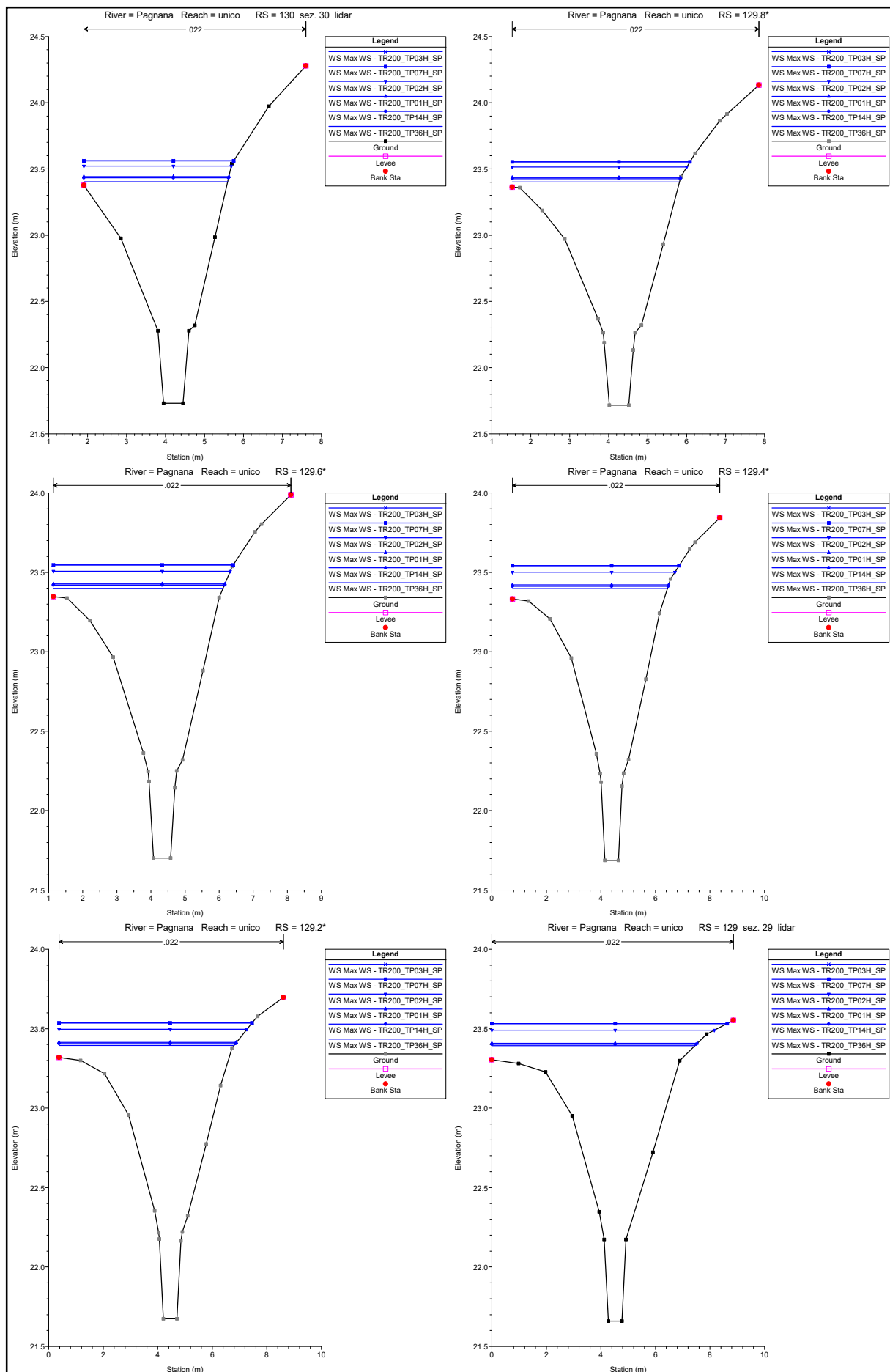


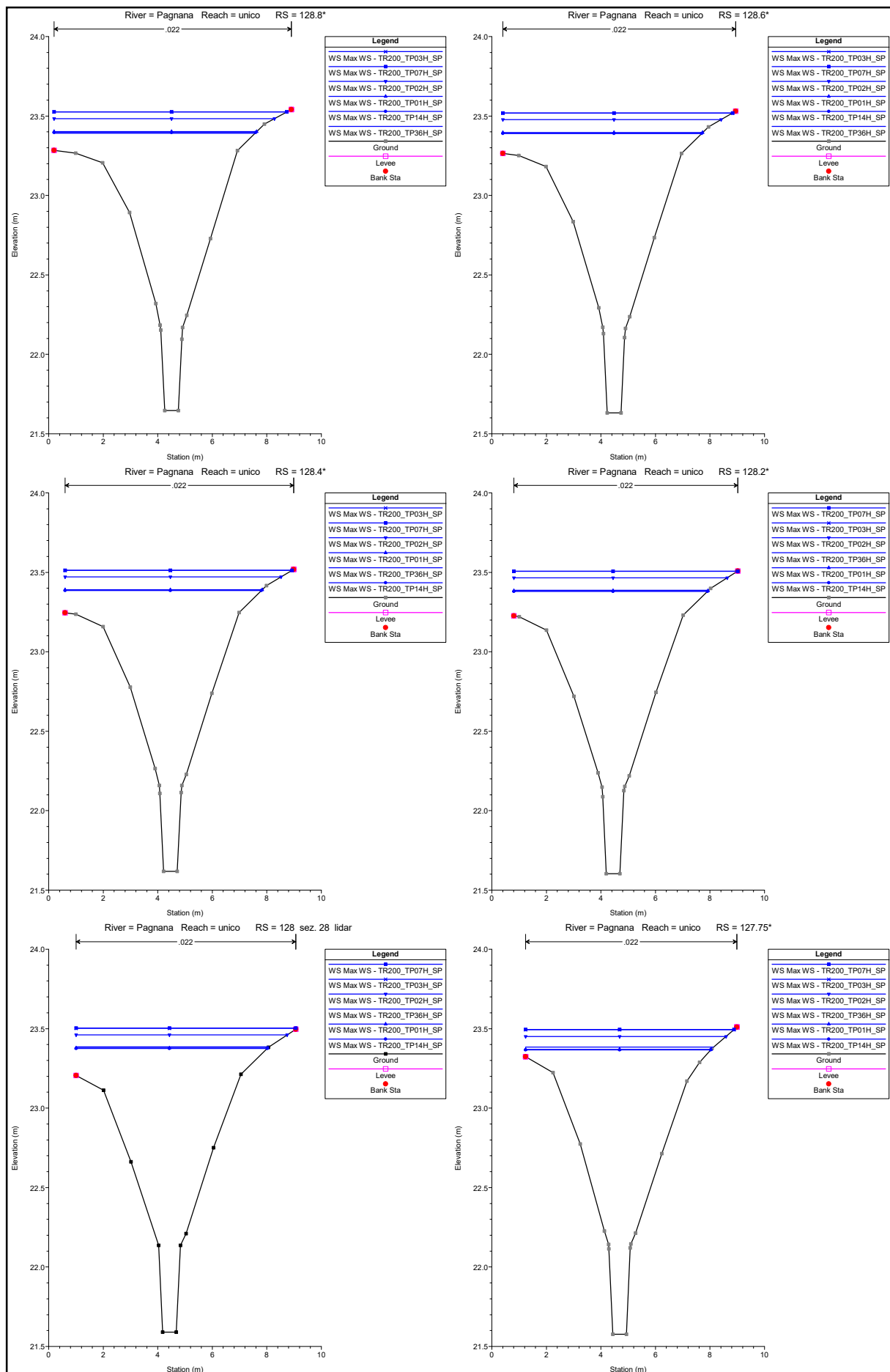


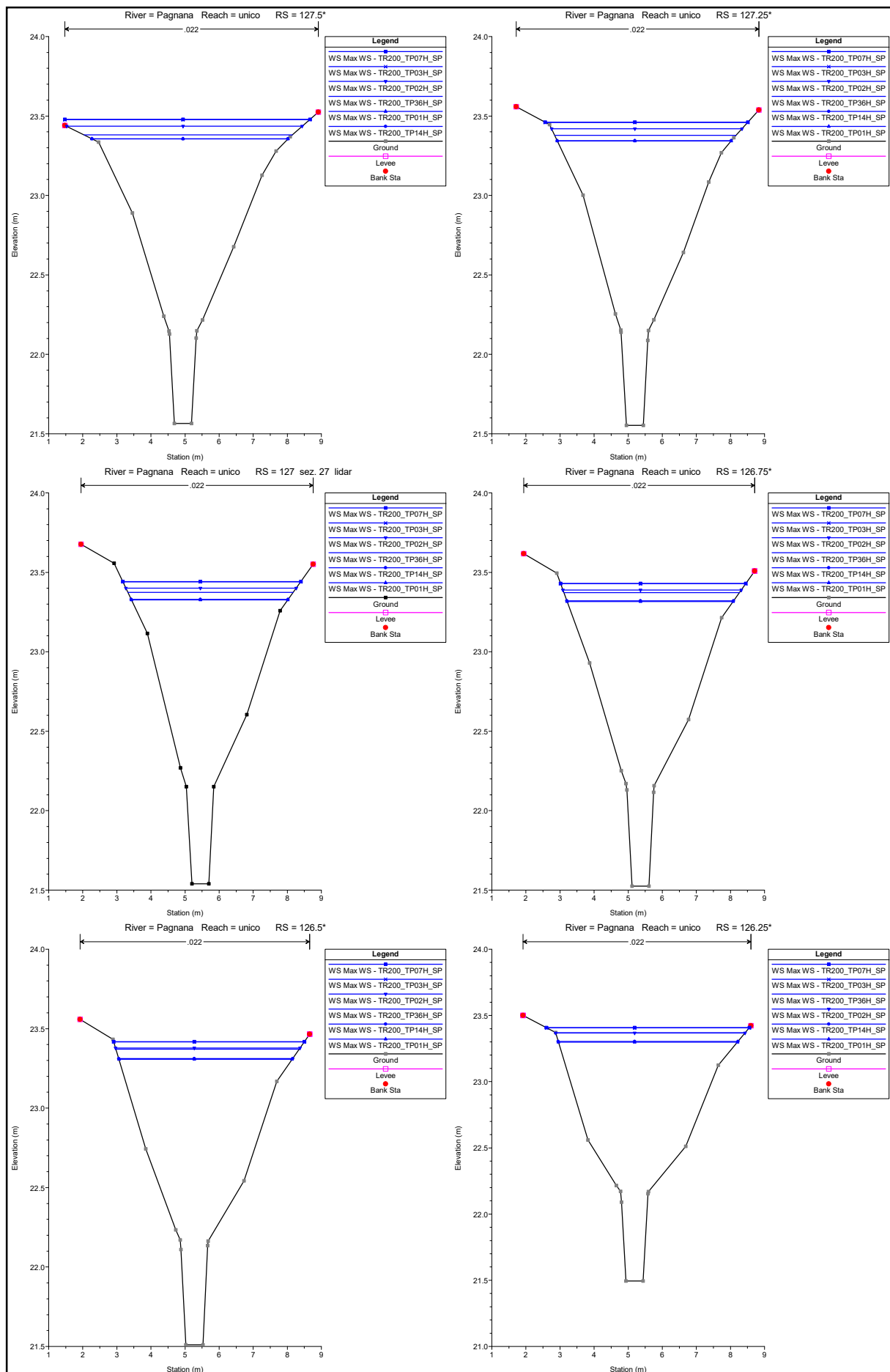


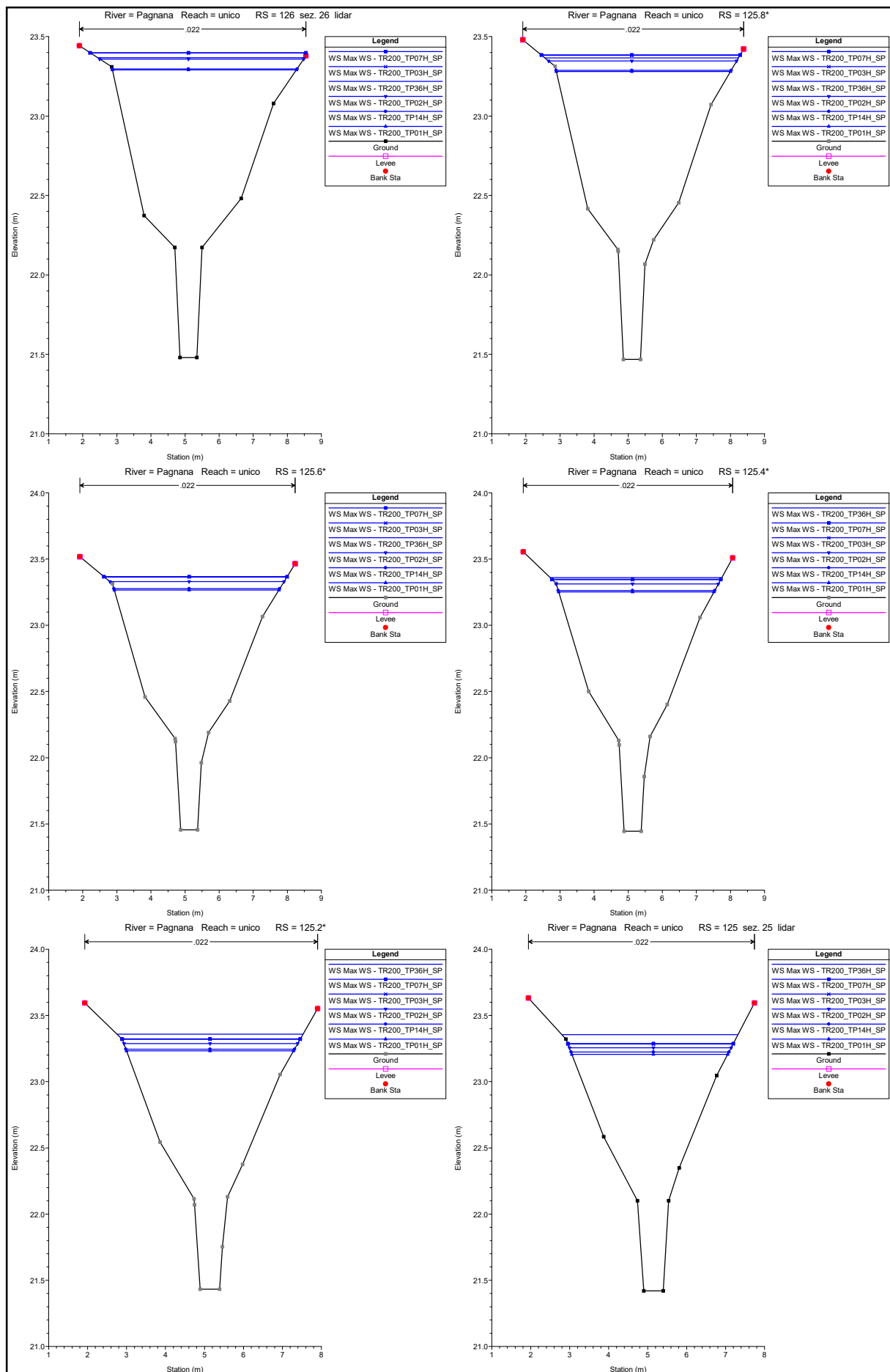


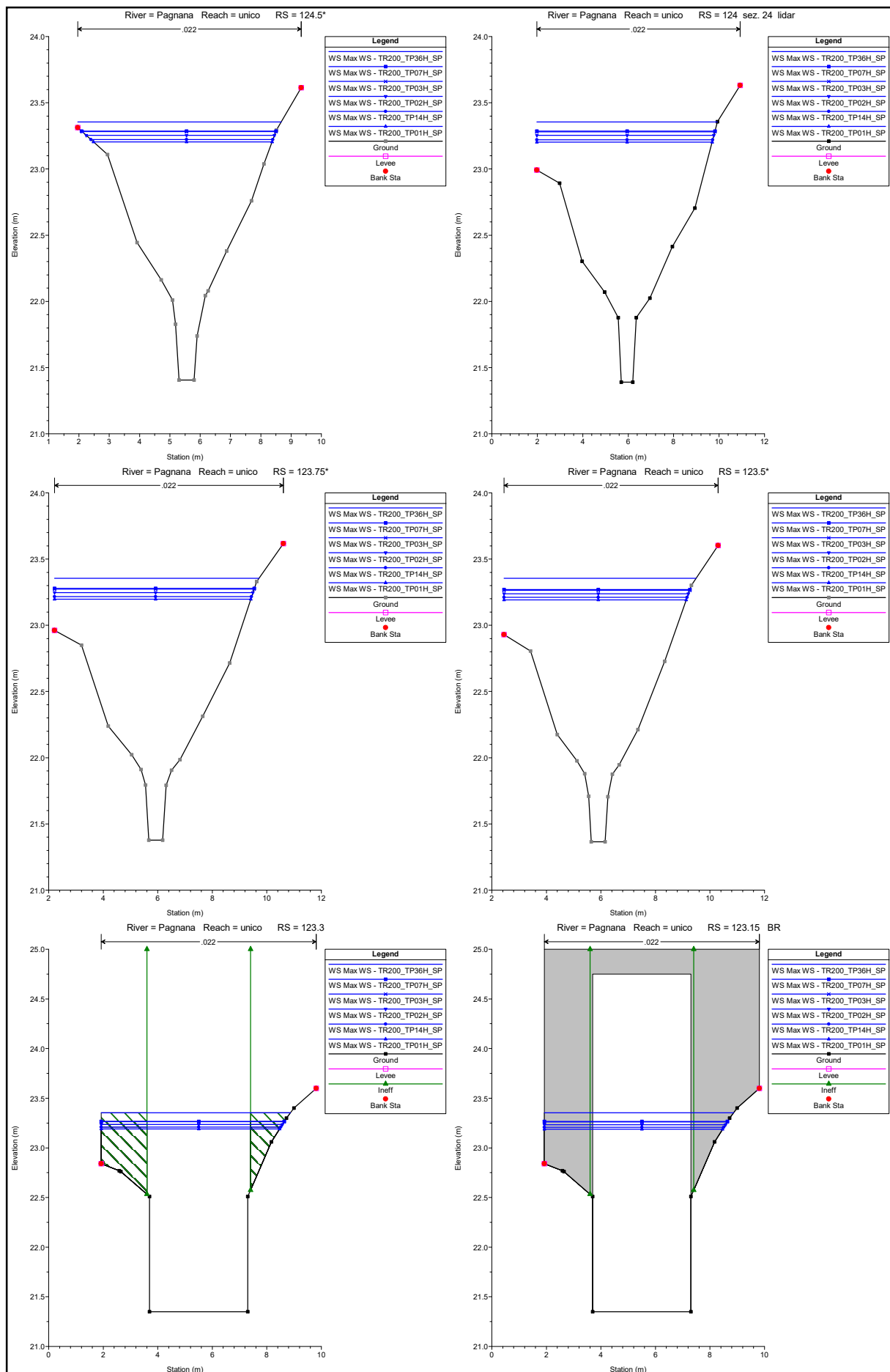


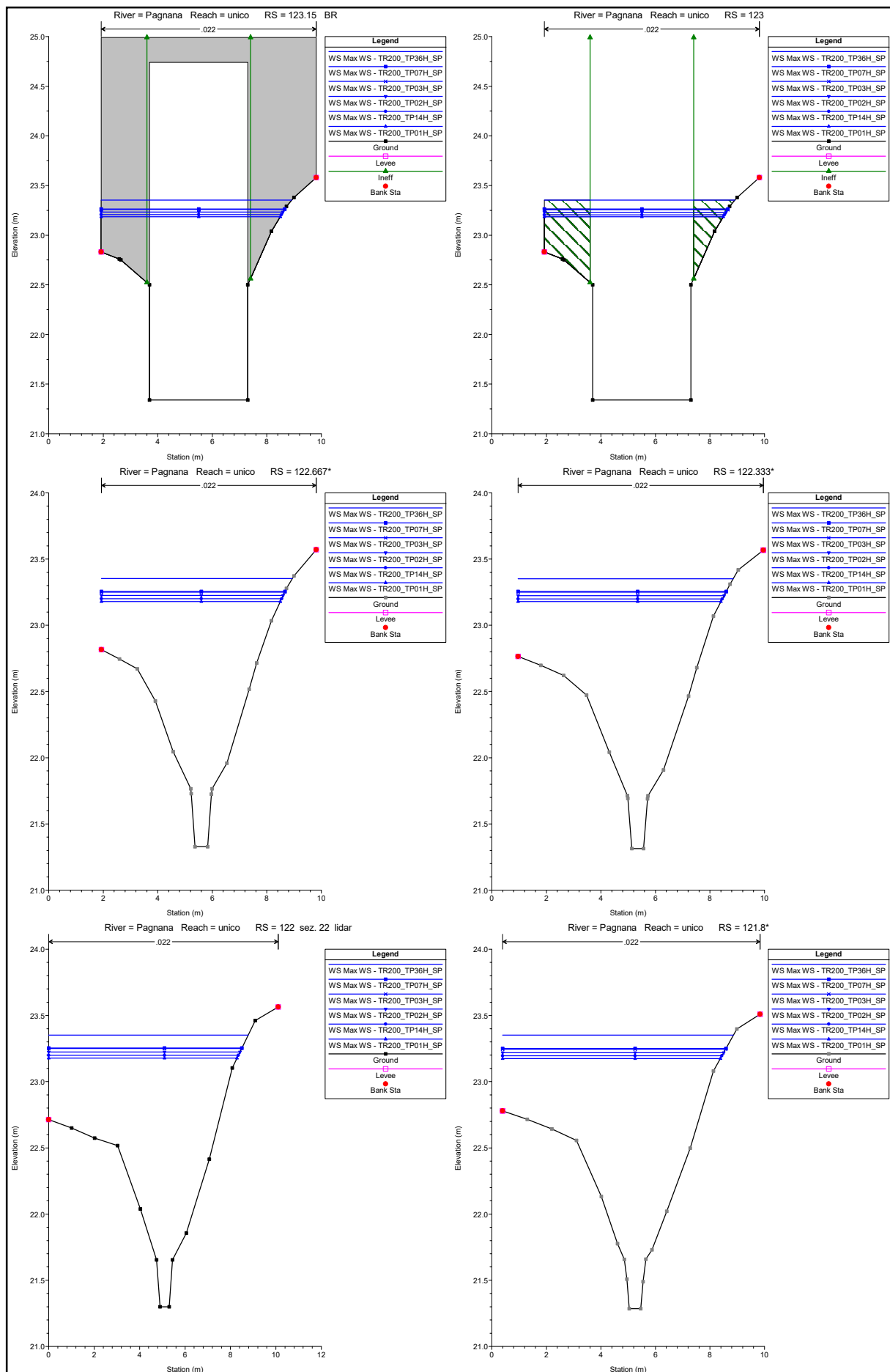


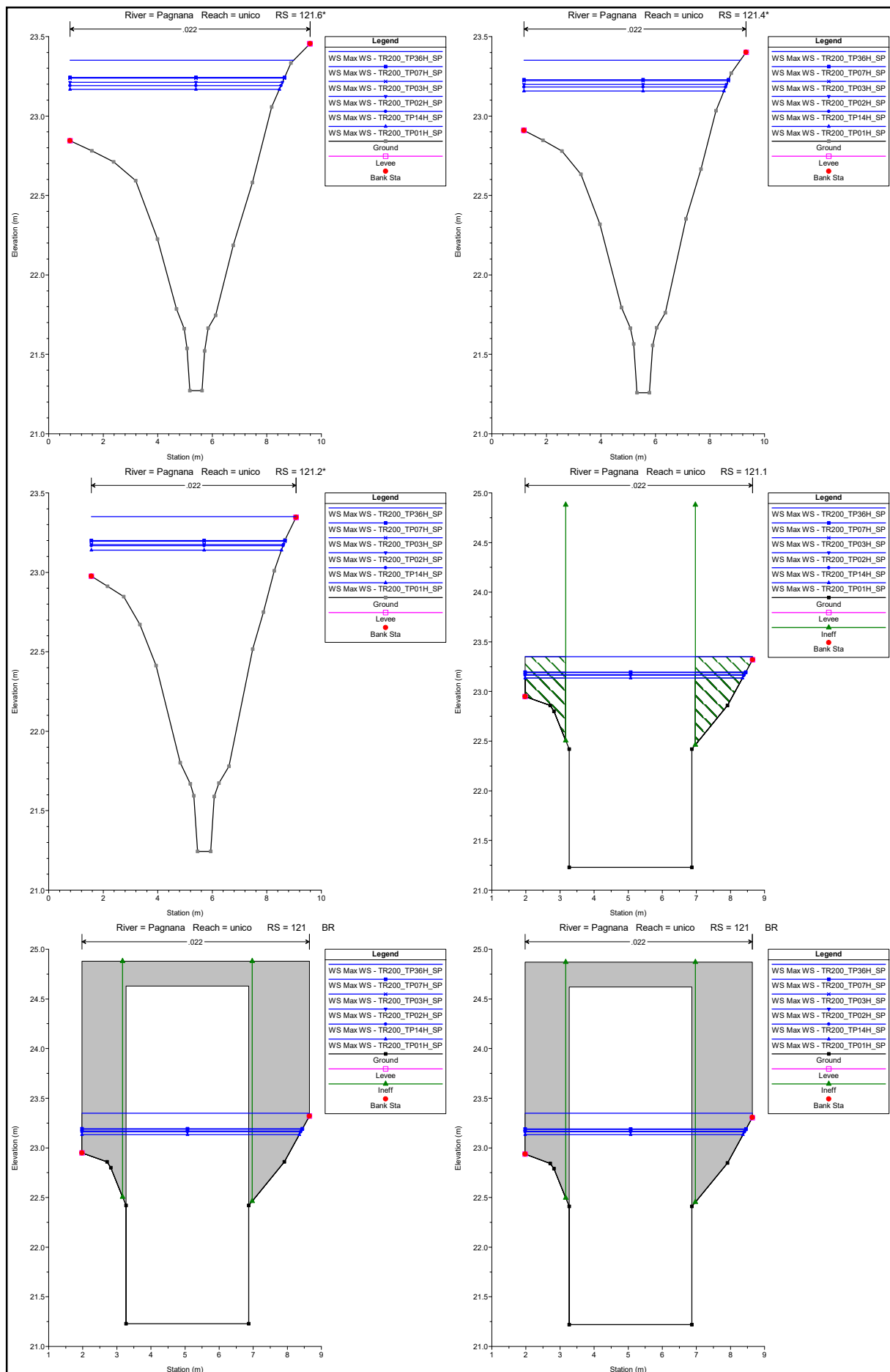


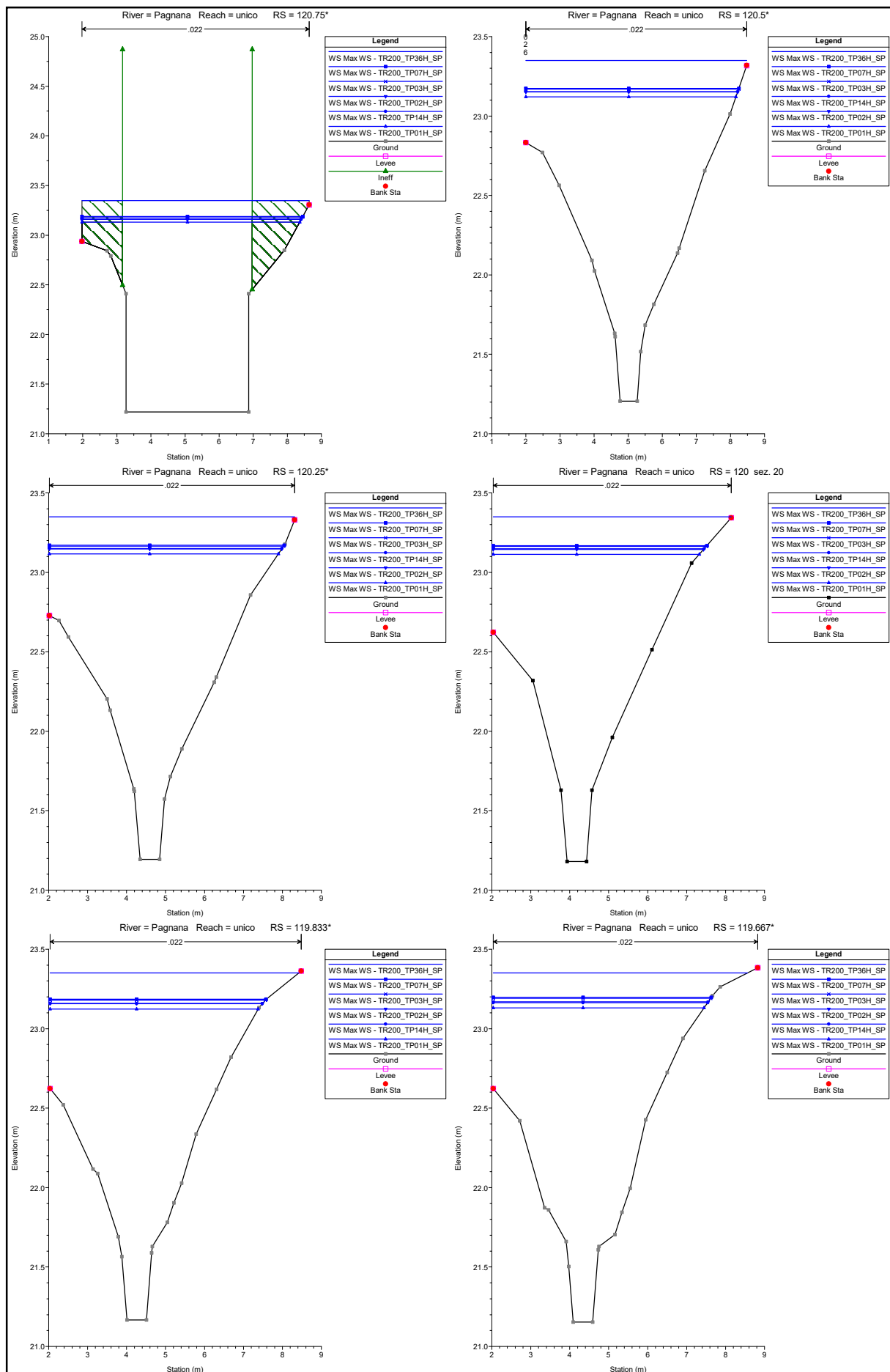


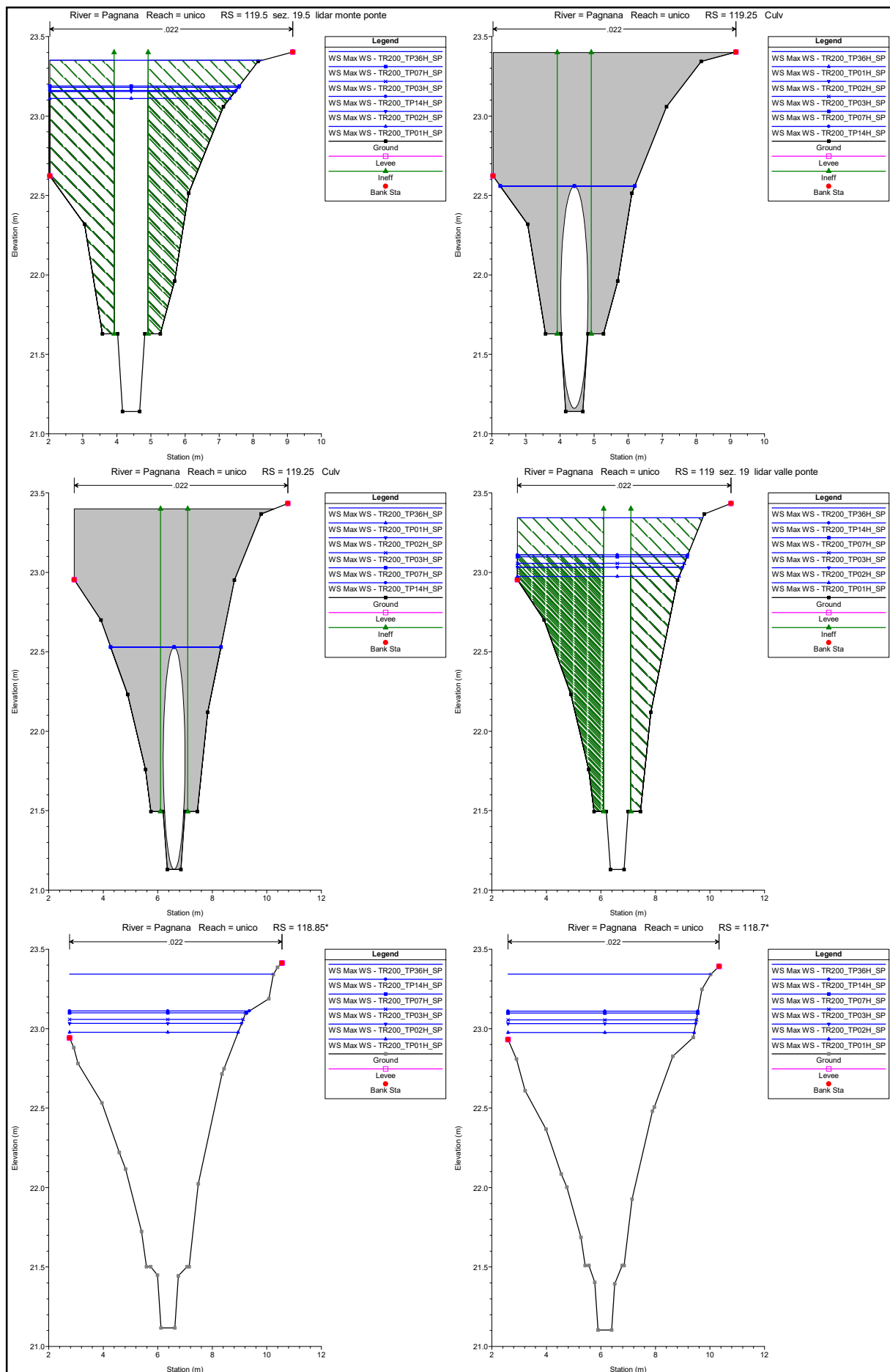


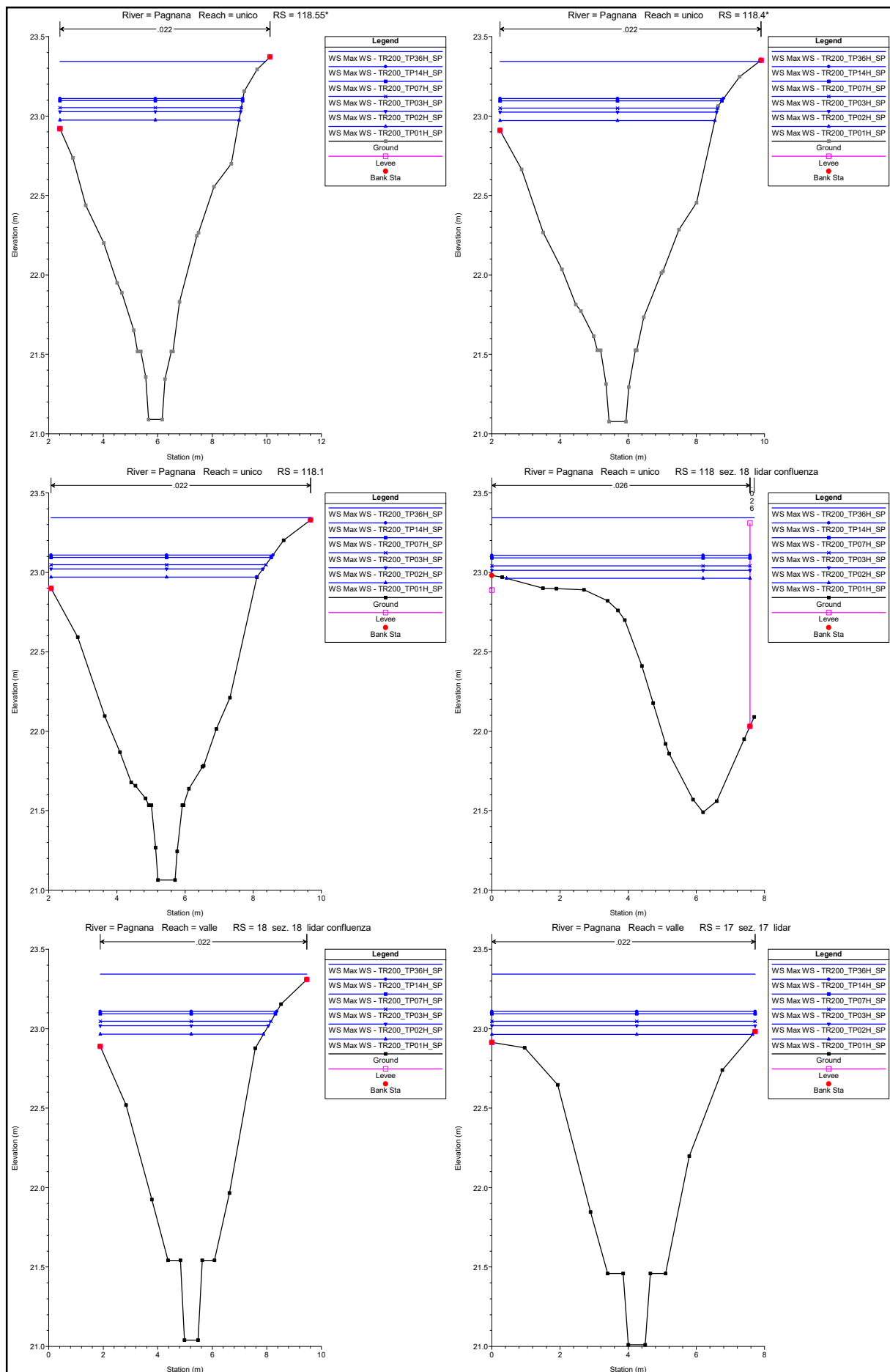


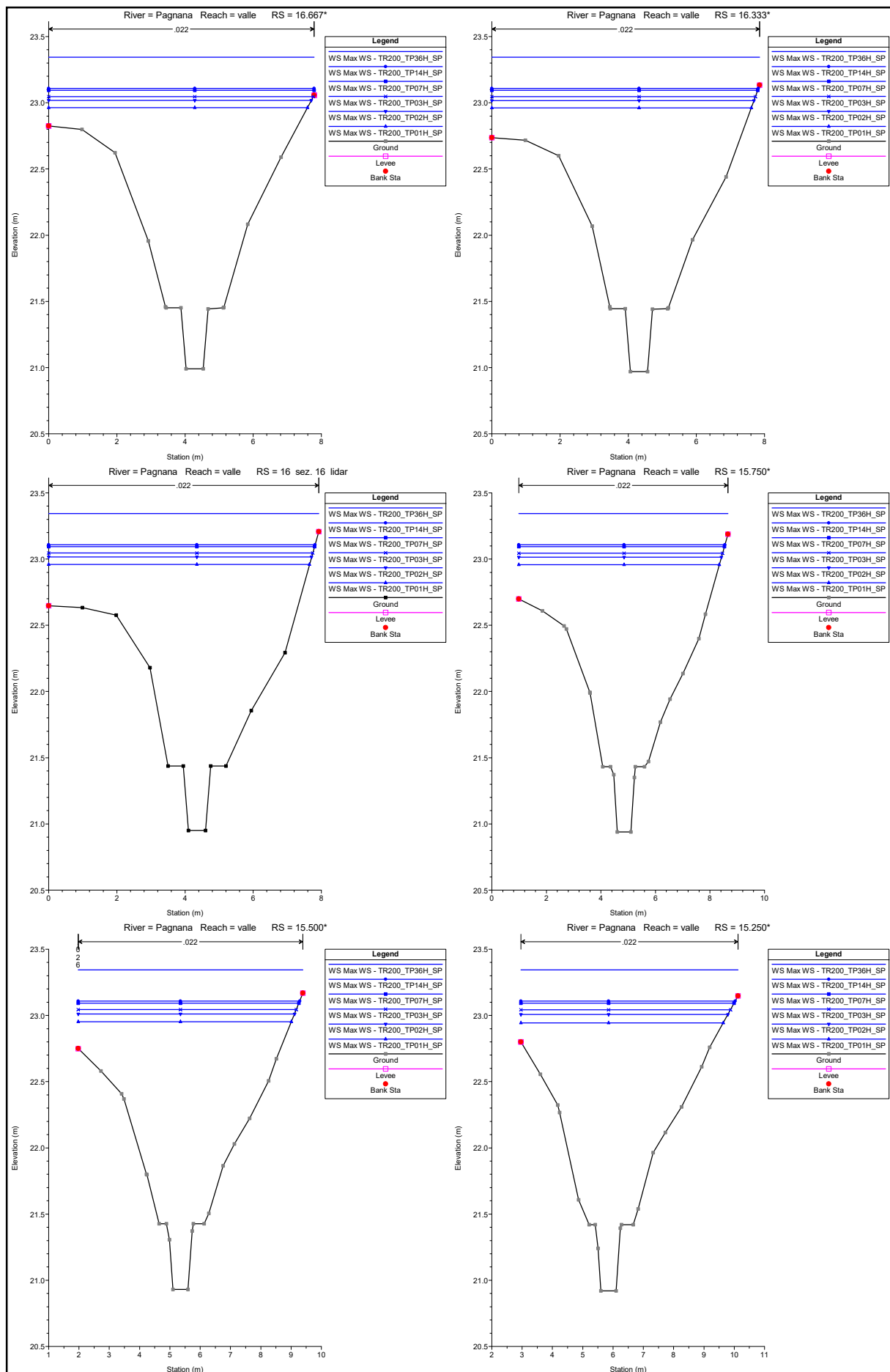


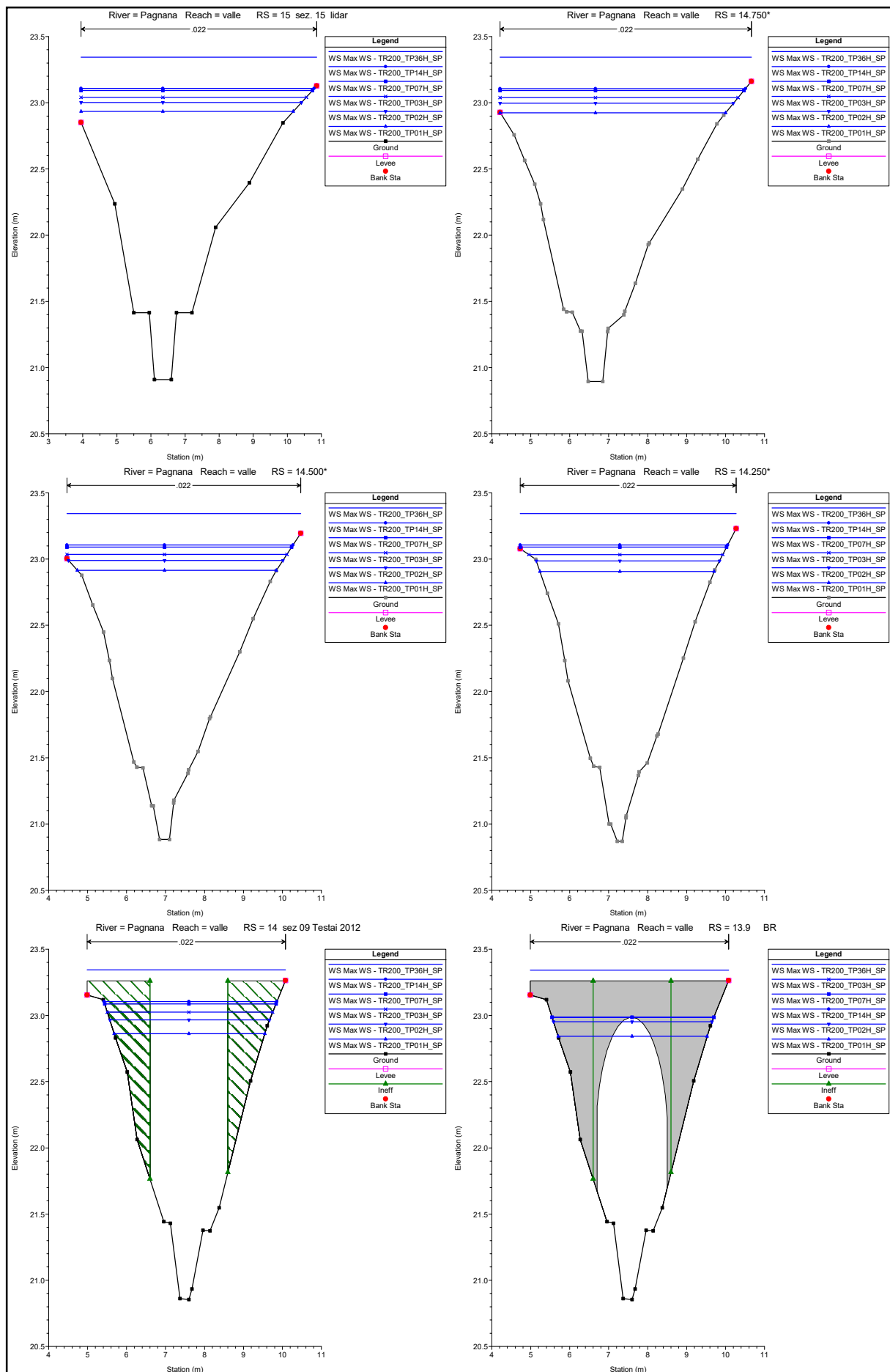


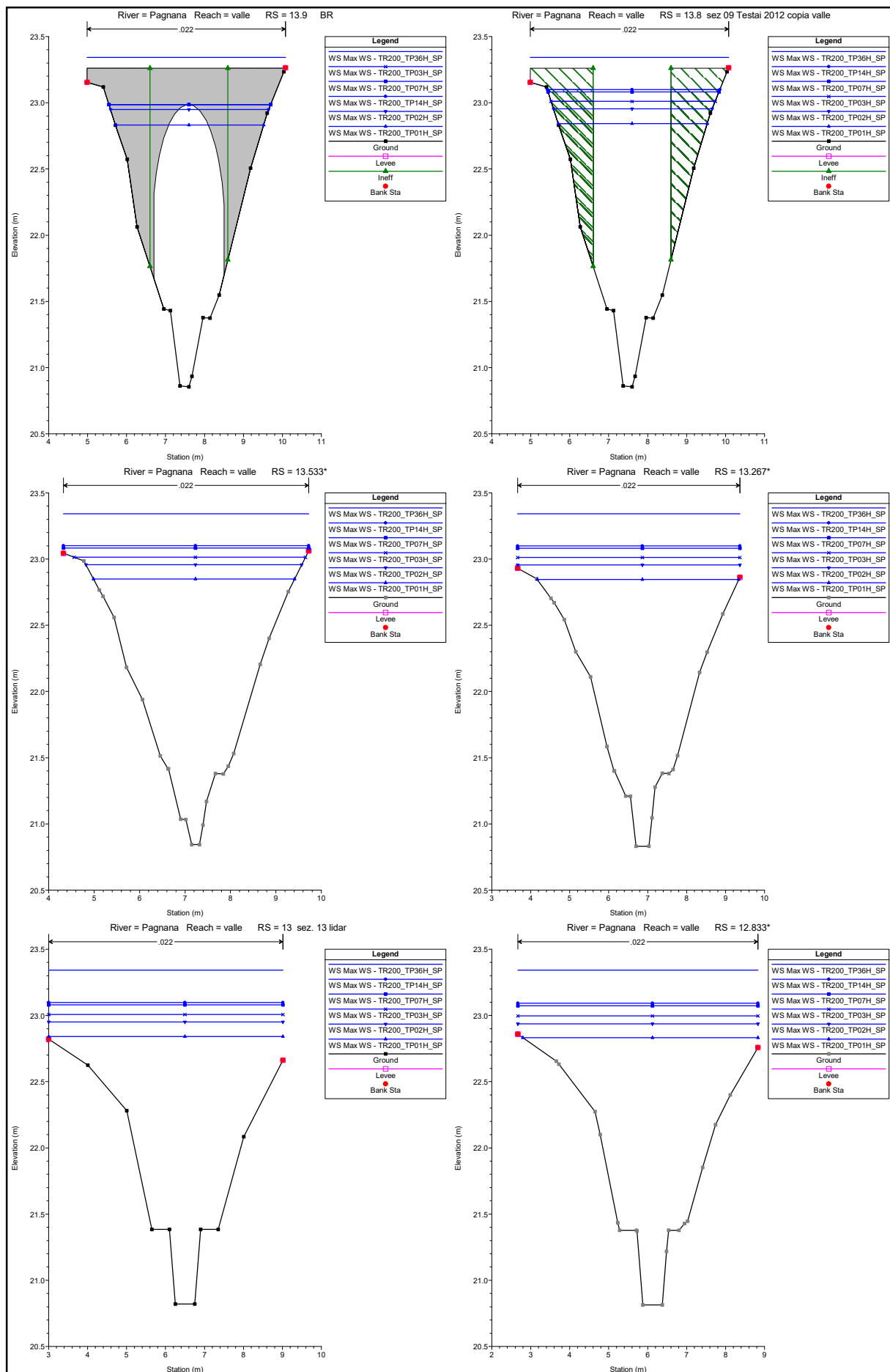


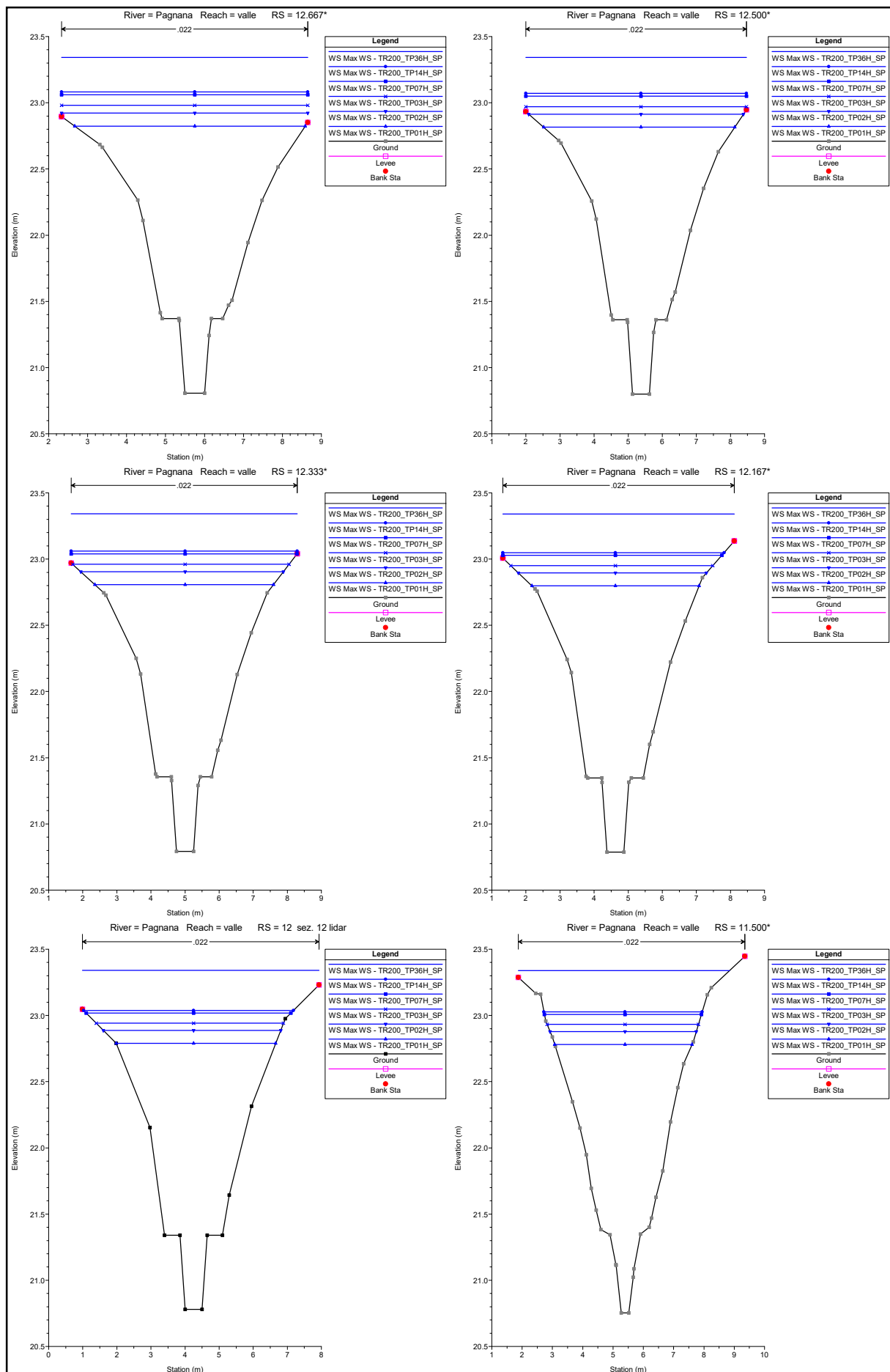


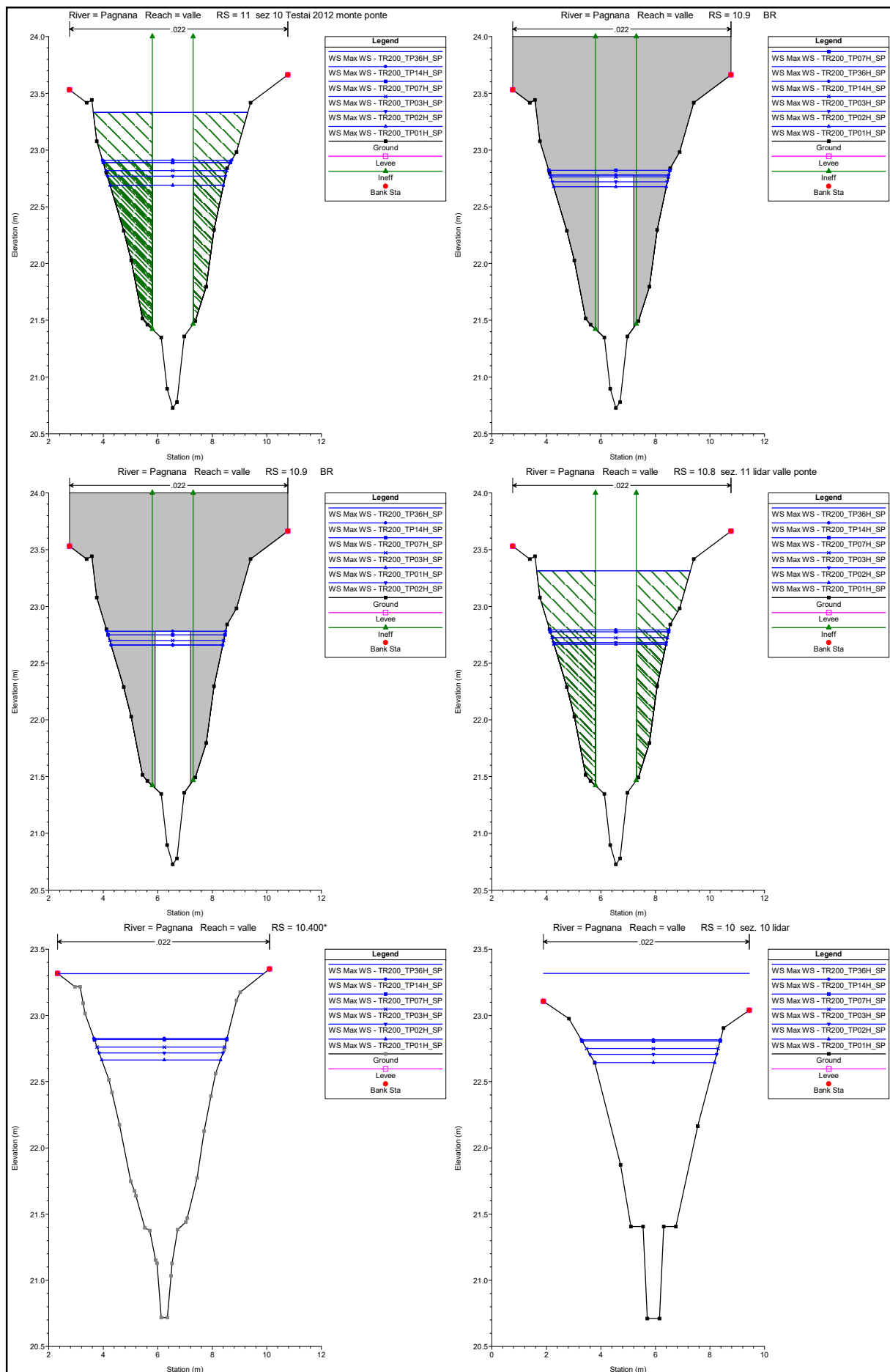


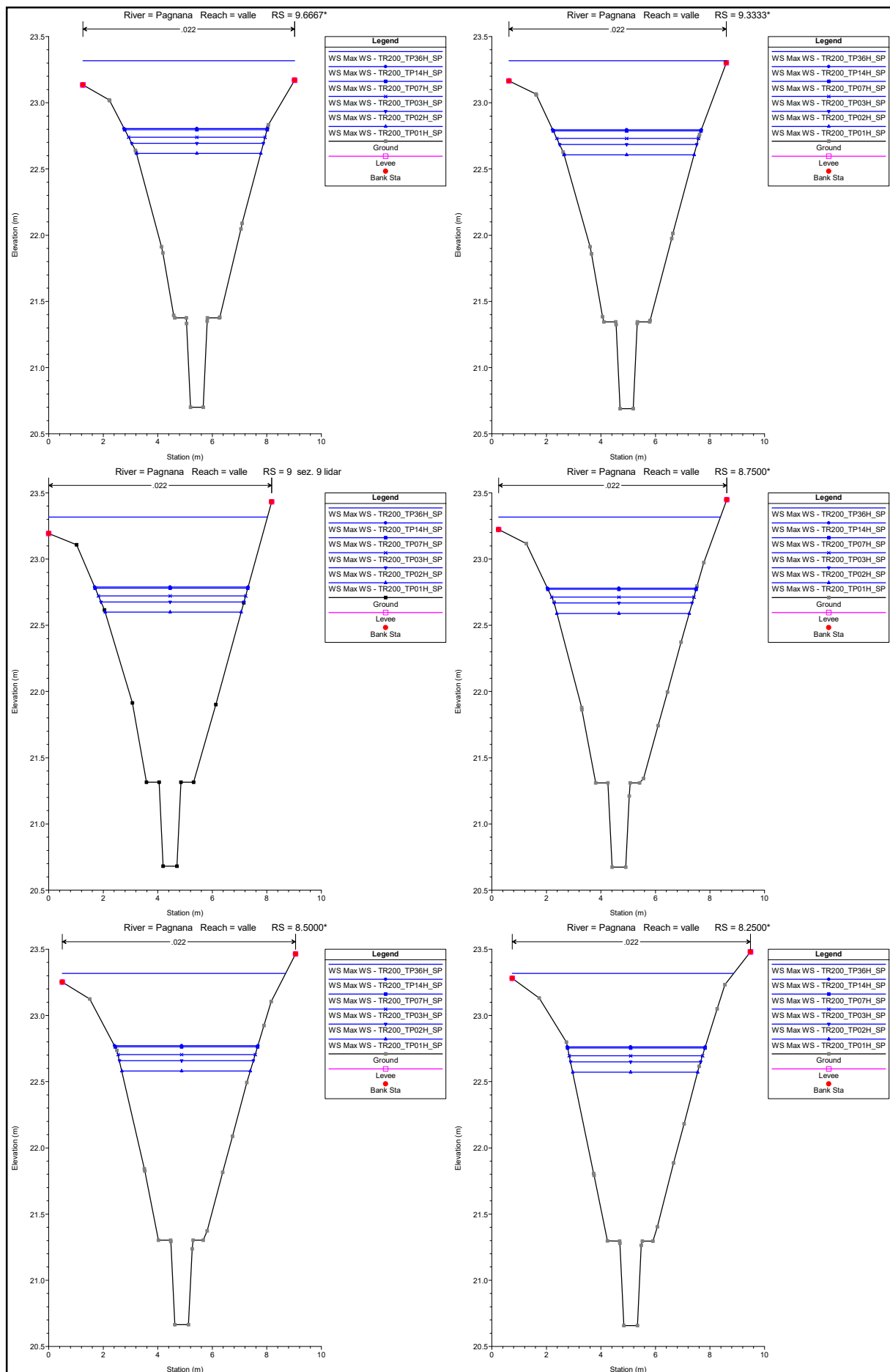


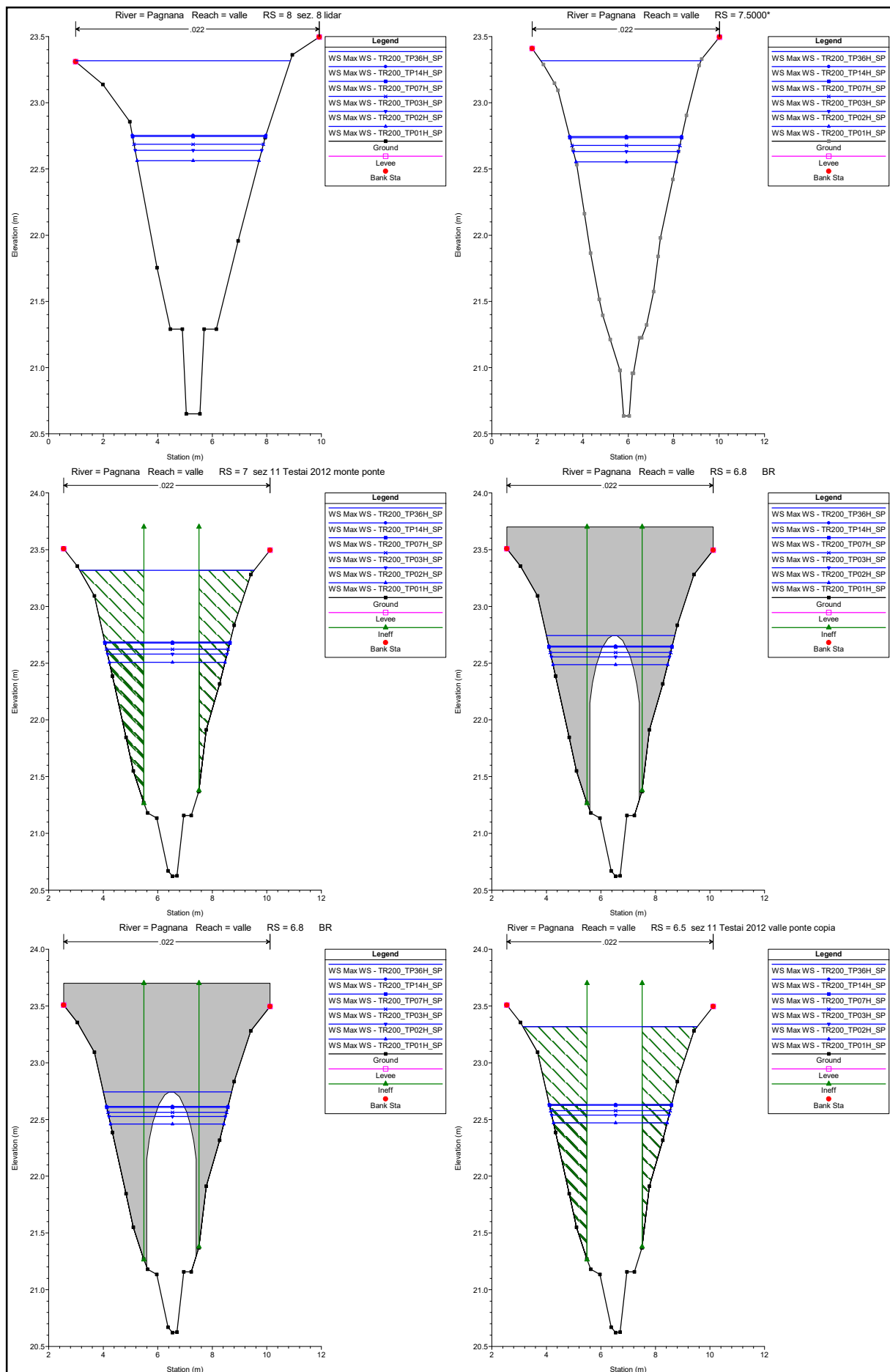


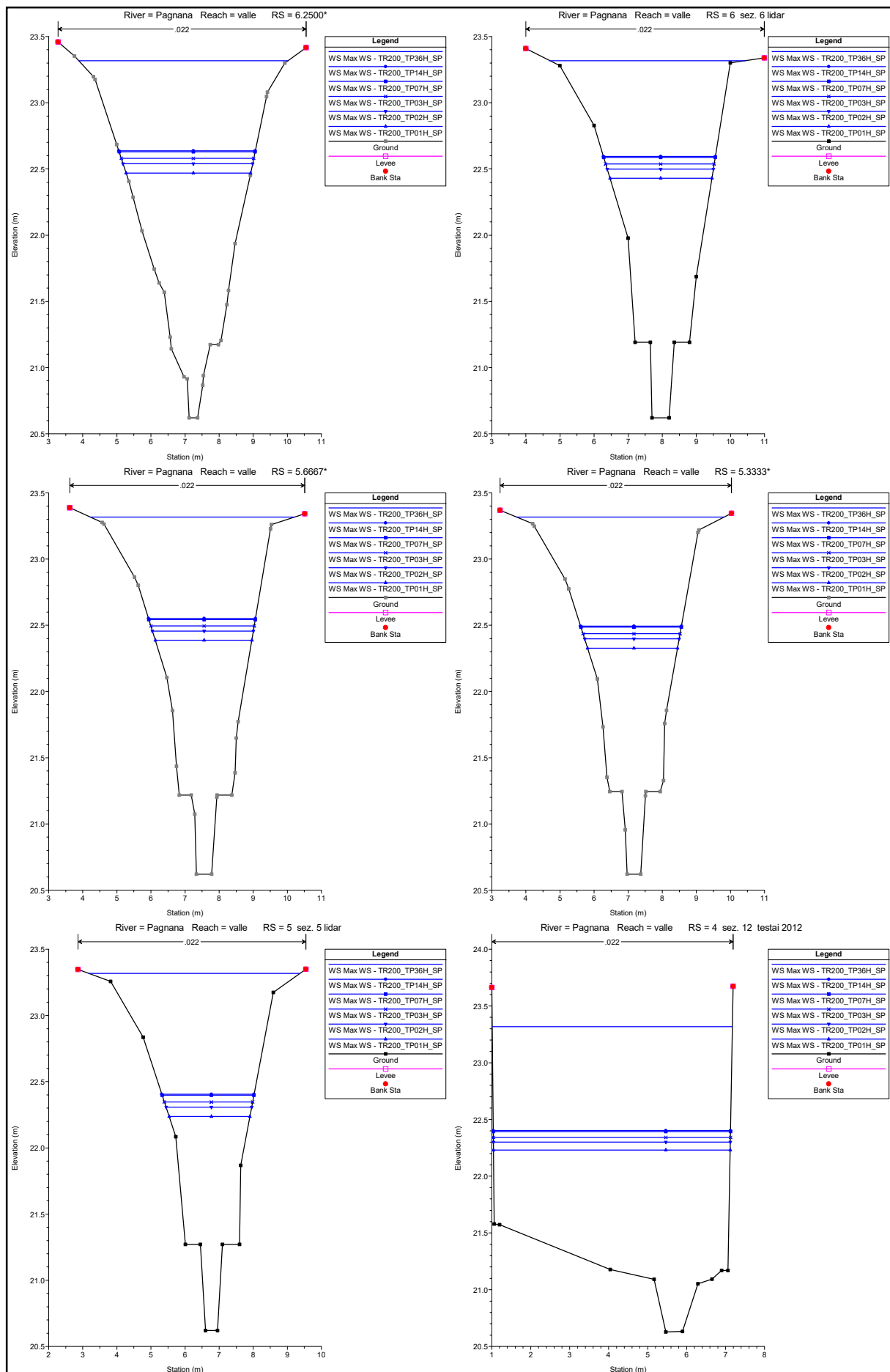


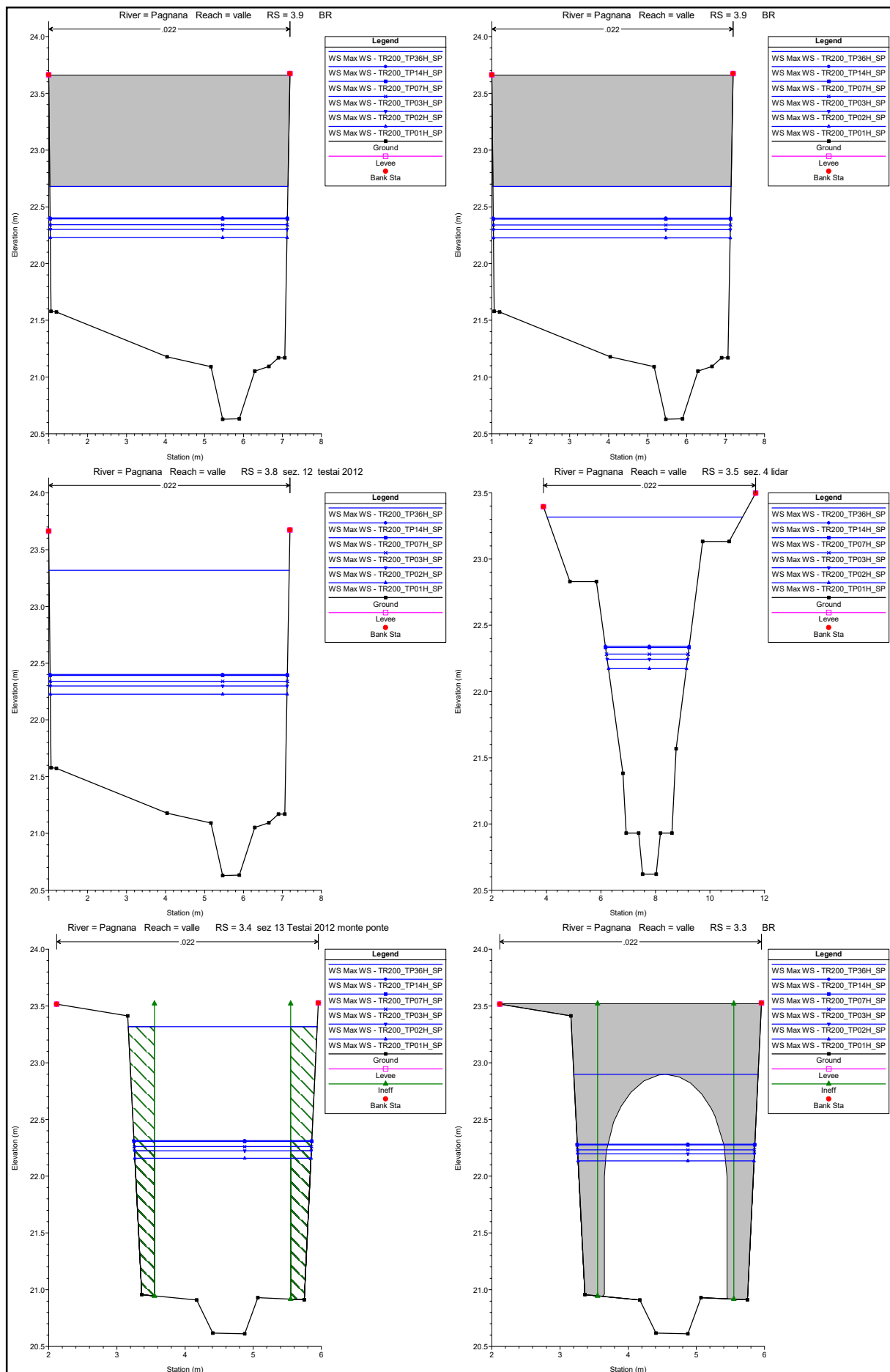


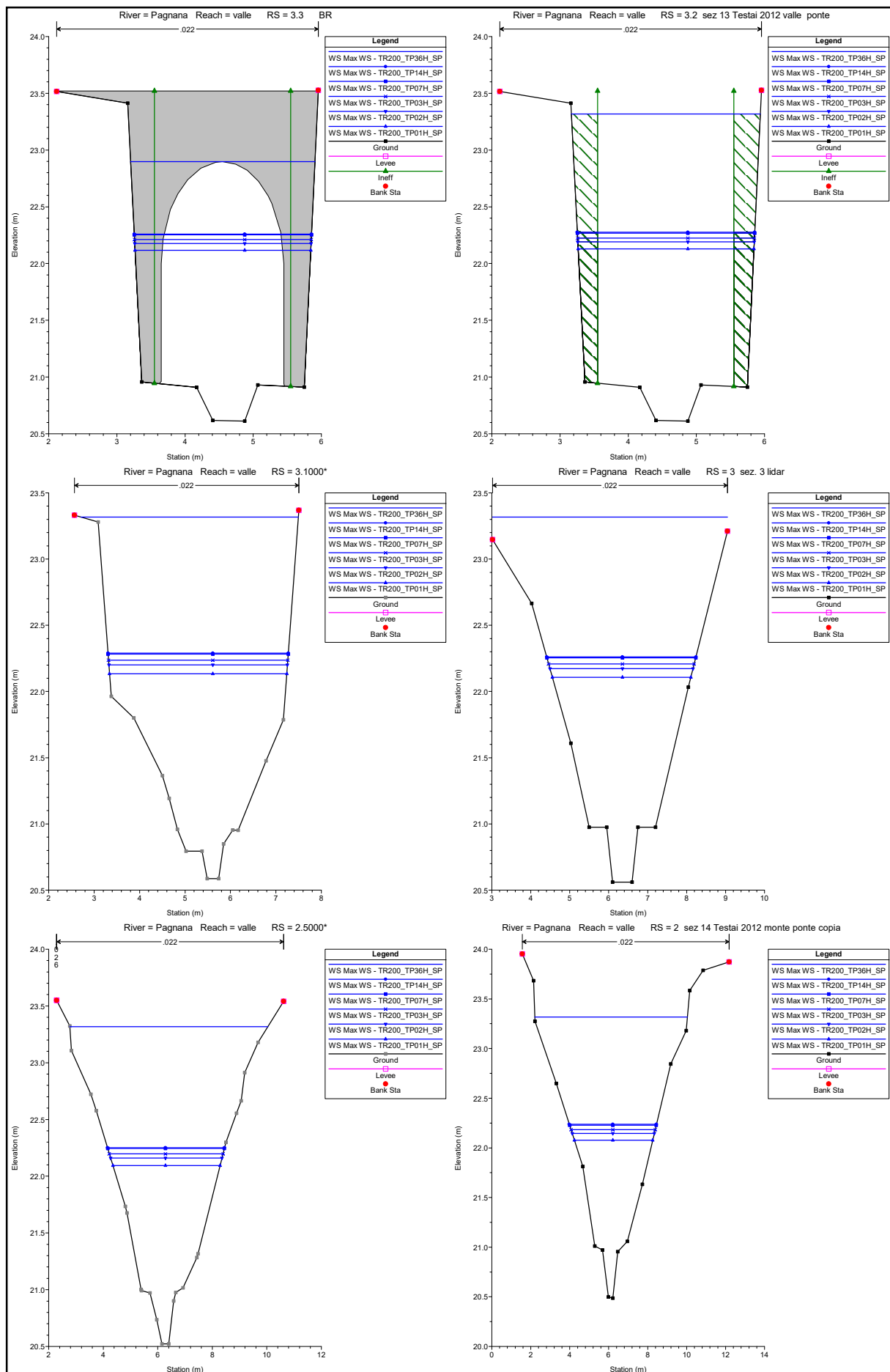


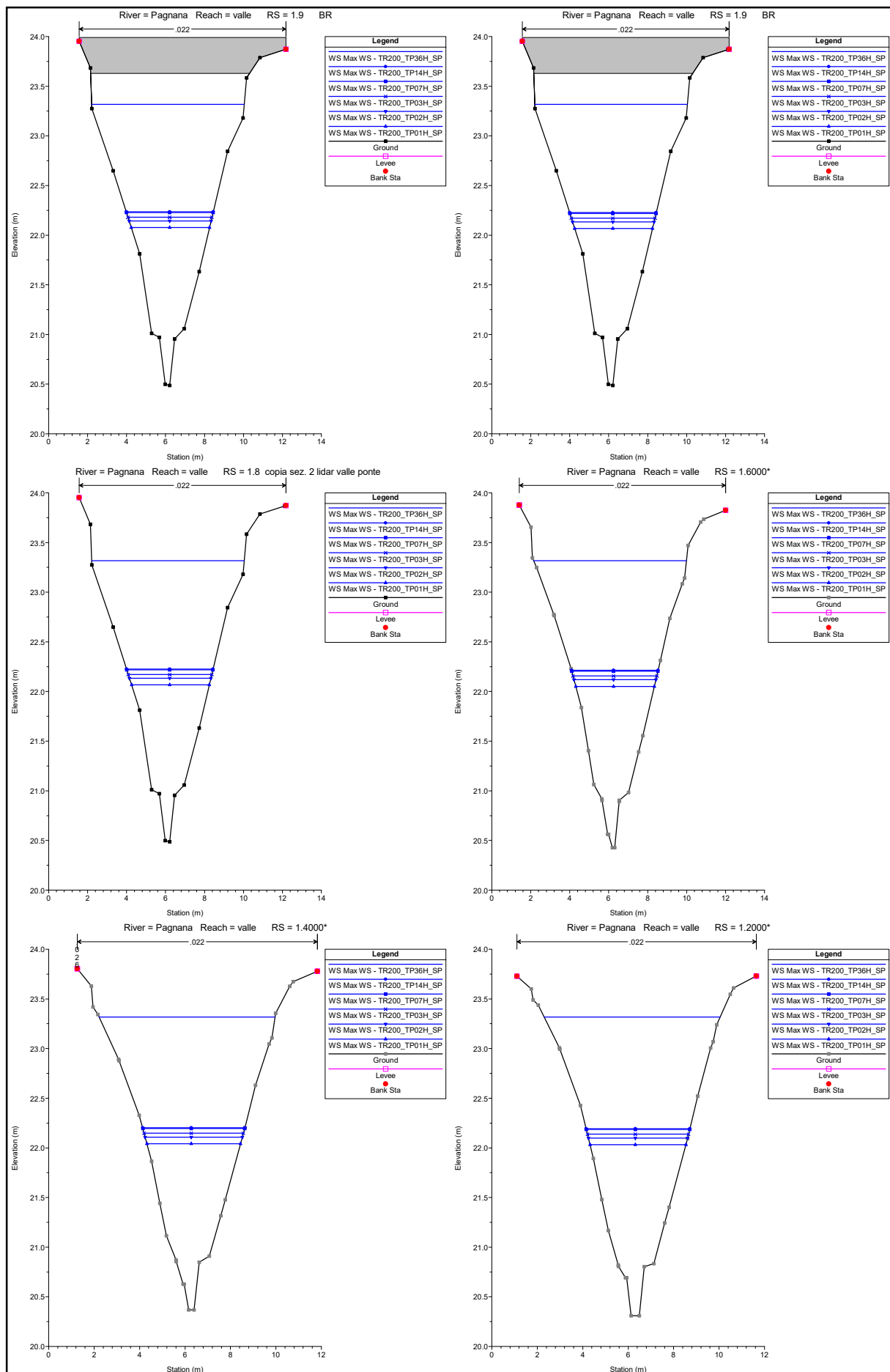


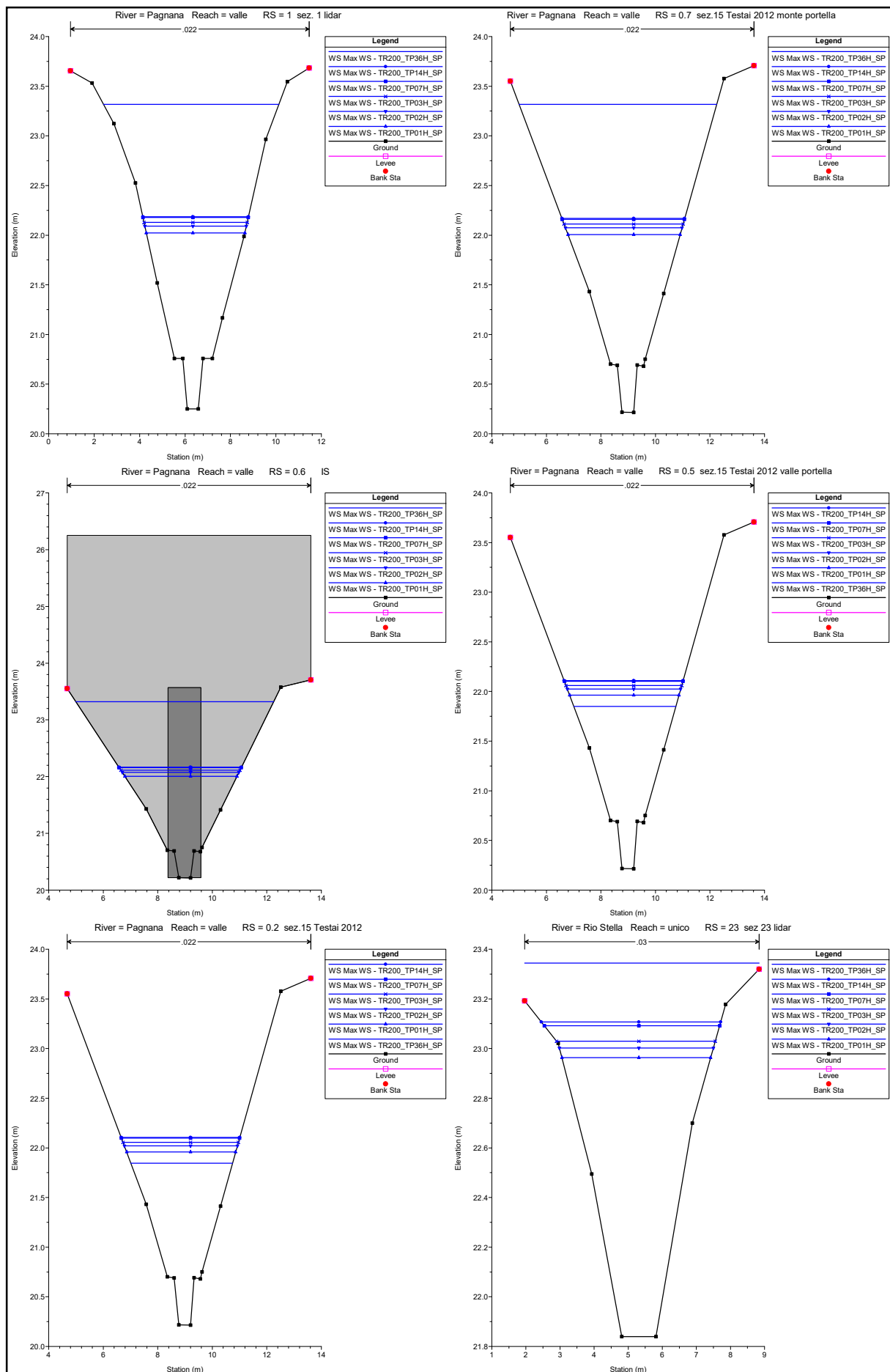


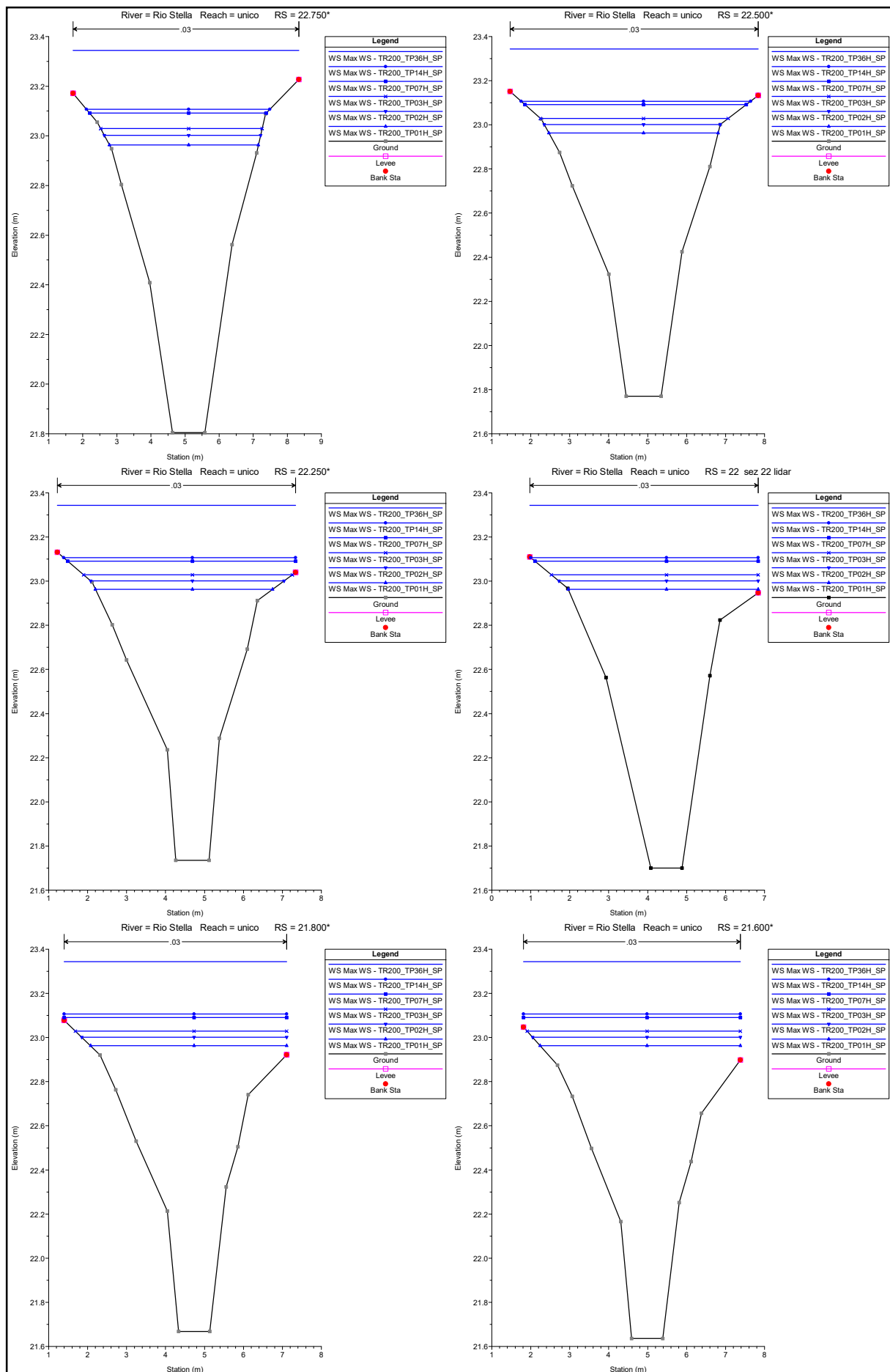


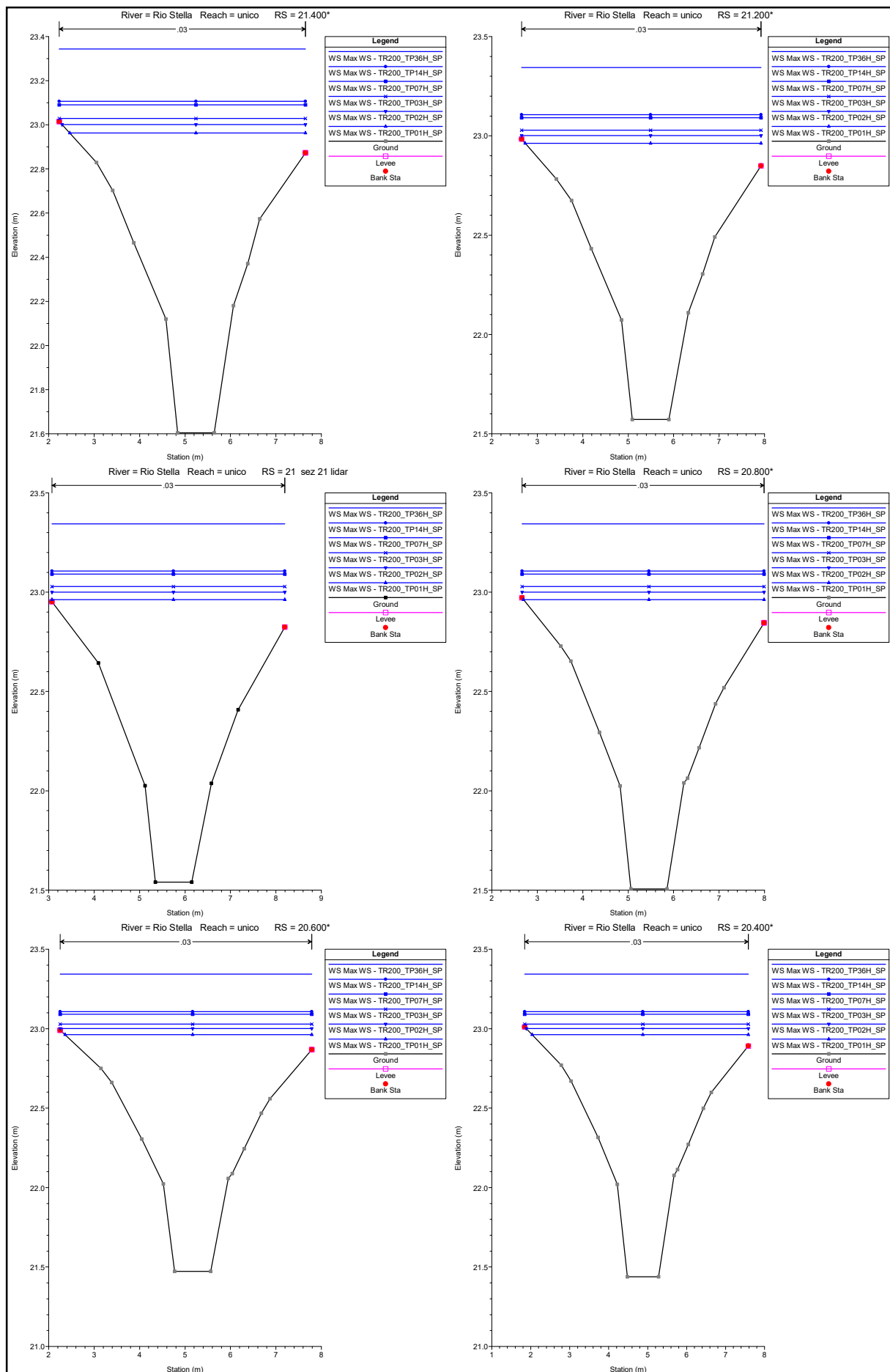


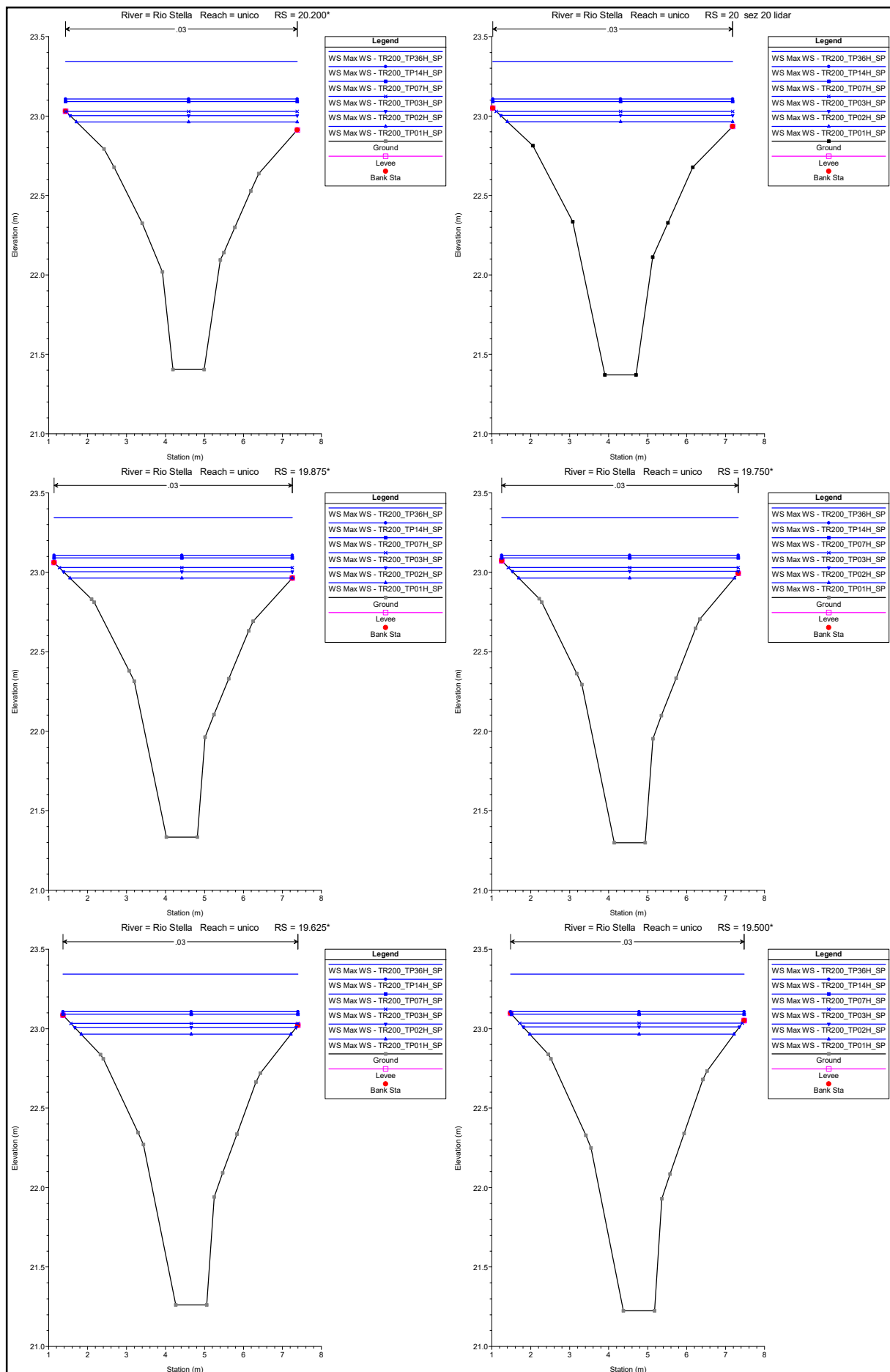


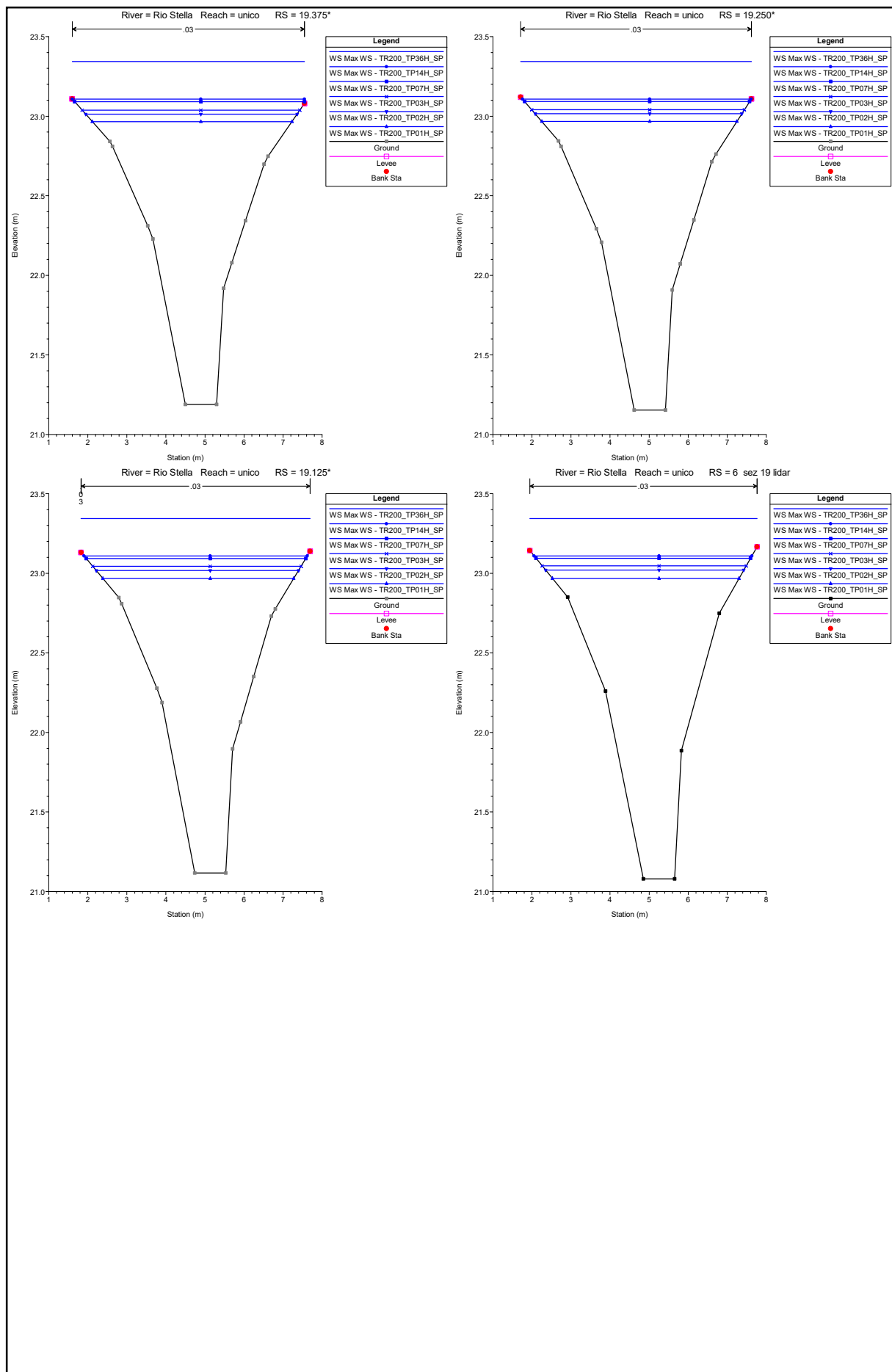












HEC-RAS Profile: Max WS

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
Rio Stella	unico	23	TR200_TP36H_SP	0.10	21.84	23.34		23.34	0.000001	0.02	4.99	6.88	0.01
Rio Stella	unico	23	TR200_TP01H_SP	0.14	21.84	22.96		22.96	0.000005	0.05	2.84	4.36	0.02
Rio Stella	unico	23	TR200_TP02H_SP	0.19	21.84	23.00		23.00	0.000007	0.06	3.01	4.51	0.02
Rio Stella	unico	23	TR200_TP03H_SP	0.22	21.84	23.03		23.03	0.000009	0.07	3.14	4.66	0.03
Rio Stella	unico	23	TR200_TP07H_SP	0.33	21.84	23.09		23.09	0.000017	0.09	3.45	5.15	0.04
Rio Stella	unico	23	TR200_TP14H_SP	0.23	21.84	23.11		23.11	0.000008	0.06	3.52	5.26	0.03
Rio Stella	unico	22.99		Lat Struct									
Rio Stella	unico	22.98		Lat Struct									
Rio Stella	unico	22.750*	TR200_TP36H_SP	0.09	21.81	23.34		23.34	0.000001	0.02	4.97	6.62	0.01
Rio Stella	unico	22.750*	TR200_TP01H_SP	0.14	21.81	22.96		22.96	0.000005	0.05	2.77	4.37	0.02
Rio Stella	unico	22.750*	TR200_TP02H_SP	0.19	21.81	23.00		23.00	0.000008	0.06	2.94	4.58	0.03
Rio Stella	unico	22.750*	TR200_TP03H_SP	0.22	21.81	23.03		23.03	0.000010	0.07	3.07	4.74	0.03
Rio Stella	unico	22.750*	TR200_TP07H_SP	0.33	21.81	23.09		23.09	0.000018	0.10	3.38	5.18	0.04
Rio Stella	unico	22.750*	TR200_TP14H_SP	0.22	21.81	23.11		23.11	0.000008	0.06	3.46	5.38	0.03
Rio Stella	unico	22.500*	TR200_TP36H_SP	0.08	21.77	23.34		23.34	0.000000	0.02	4.90	6.37	0.01
Rio Stella	unico	22.500*	TR200_TP01H_SP	0.14	21.77	22.96		22.96	0.000006	0.05	2.68	4.34	0.02
Rio Stella	unico	22.500*	TR200_TP02H_SP	0.19	21.77	23.00		23.00	0.000009	0.07	2.85	4.52	0.03
Rio Stella	unico	22.500*	TR200_TP03H_SP	0.22	21.77	23.03		23.03	0.000011	0.07	2.98	4.82	0.03
Rio Stella	unico	22.500*	TR200_TP07H_SP	0.33	21.77	23.09		23.09	0.000022	0.10	3.31	5.68	0.04
Rio Stella	unico	22.500*	TR200_TP14H_SP	0.22	21.77	23.11		23.11	0.000010	0.07	3.40	5.89	0.03
Rio Stella	unico	22.250*	TR200_TP36H_SP	0.07	21.73	23.34		23.34	0.000000	0.01	4.79	6.11	0.01
Rio Stella	unico	22.250*	TR200_TP01H_SP	0.14	21.73	22.96		22.96	0.000007	0.05	2.57	4.55	0.02
Rio Stella	unico	22.250*	TR200_TP02H_SP	0.19	21.73	23.00		23.00	0.000012	0.07	2.76	4.97	0.03
Rio Stella	unico	22.250*	TR200_TP03H_SP	0.22	21.73	23.03		23.03	0.000014	0.07	2.90	5.36	0.03
Rio Stella	unico	22.250*	TR200_TP07H_SP	0.32	21.73	23.09		23.09	0.000024	0.10	3.25	5.85	0.04
Rio Stella	unico	22.250*	TR200_TP14H_SP	0.21	21.73	23.11		23.11	0.000009	0.06	3.34	5.95	0.03
Rio Stella	unico	22	TR200_TP36H_SP	0.06	21.70	23.34		23.34	0.000000	0.01	5.06	5.86	0.00
Rio Stella	unico	22	TR200_TP01H_SP	0.14	21.70	22.96		22.96	0.000005	0.05	2.90	4.87	0.02
Rio Stella	unico	22	TR200_TP02H_SP	0.18	21.70	23.00		23.00	0.000008	0.06	3.09	5.12	0.02
Rio Stella	unico	22	TR200_TP03H_SP	0.20	21.70	23.03		23.03	0.000008	0.06	3.24	5.31	0.03
Rio Stella	unico	22	TR200_TP07H_SP	0.28	21.70	23.09		23.09	0.000013	0.08	3.58	5.73	0.03
Rio Stella	unico	22	TR200_TP14H_SP	0.17	21.70	23.11		23.11	0.000005	0.05	3.67	5.84	0.02
Rio Stella	unico	21.800*	TR200_TP36H_SP	0.06	21.67	23.34		23.34	0.000000	0.01	4.96	5.71	0.00
Rio Stella	unico	21.800*	TR200_TP01H_SP	0.13	21.67	22.96		22.96	0.000006	0.05	2.82	5.03	0.02
Rio Stella	unico	21.800*	TR200_TP02H_SP	0.14	21.67	23.00		23.00	0.000005	0.05	3.01	5.26	0.02
Rio Stella	unico	21.800*	TR200_TP03H_SP	0.15	21.67	23.03		23.03	0.000006	0.05	3.16	5.42	0.02
Rio Stella	unico	21.800*	TR200_TP07H_SP	0.23	21.67	23.09		23.09	0.000009	0.07	3.51	5.71	0.03
Rio Stella	unico	21.800*	TR200_TP14H_SP	0.13	21.67	23.11		23.11	0.000003	0.04	3.60	5.71	0.01
Rio Stella	unico	21.600*	TR200_TP36H_SP	0.05	21.64	23.34		23.34	0.000000	0.01	5.10	5.56	0.00
Rio Stella	unico	21.600*	TR200_TP01H_SP	0.07	21.64	22.96		22.96	0.000001	0.02	3.00	5.14	0.01
Rio Stella	unico	21.600*	TR200_TP02H_SP	0.05	21.64	23.00		23.00	0.000001	0.02	3.20	5.33	0.01
Rio Stella	unico	21.600*	TR200_TP03H_SP	0.09	21.64	23.03		23.03	0.000002	0.03	3.35	5.47	0.01
Rio Stella	unico	21.600*	TR200_TP07H_SP	0.17	21.64	23.09		23.09	0.000004	0.05	3.69	5.56	0.02
Rio Stella	unico	21.600*	TR200_TP14H_SP	0.08	21.64	23.11		23.11	0.000001	0.02	3.78	5.56	0.01
Rio Stella	unico	21.400*	TR200_TP36H_SP	0.05	21.60	23.34		23.34	0.000000	0.01	5.23	5.42	0.00
Rio Stella	unico	21.400*	TR200_TP01H_SP	0.00	21.60	22.96		22.96	0.000000	0.00	3.17	5.19	0.00
Rio Stella	unico	21.400*	TR200_TP02H_SP	-0.06	21.60	23.00		23.00	0.000001	-0.02	3.38	5.36	0.01
Rio Stella	unico	21.400*	TR200_TP03H_SP	0.02	21.60	23.03		23.03	0.000000	0.01	3.53	5.42	0.00
Rio Stella	unico	21.400*	TR200_TP07H_SP	0.11	21.60	23.09		23.09	0.000001	0.03	3.86	5.42	0.01
Rio Stella	unico	21.400*	TR200_TP14H_SP	0.03	21.60	23.11		23.11	0.000000	0.01	3.95	5.42	0.00
Rio Stella	unico	21.200*	TR200_TP36H_SP	0.05	21.57	23.34		23.34	0.000000	0.01	5.36	5.27	0.00
Rio Stella	unico	21.200*	TR200_TP01H_SP	-0.10	21.57	22.96		22.96	0.000002	-0.03	3.35	5.19	0.01
Rio Stella	unico	21.200*	TR200_TP02H_SP	-0.18	21.57	23.00		23.00	0.000005	-0.05	3.55	5.27	0.02
Rio Stella	unico	21.200*	TR200_TP03H_SP	-0.08	21.57	23.03		23.03	0.000001	-0.02	3.70	5.27	0.01
Rio Stella	unico	21.200*	TR200_TP07H_SP	0.04	21.57	23.09		23.09	0.000000	0.01	4.02	5.27	0.00
Rio Stella	unico	21.200*	TR200_TP14H_SP	-0.03	21.57	23.11		23.11	0.000000	-0.01	4.10	5.27	0.00
Rio Stella	unico	21	TR200_TP36H_SP	0.05	21.54	23.34		23.34	0.000000	0.01	5.47	5.12	0.00
Rio Stella	unico	21	TR200_TP01H_SP	-0.19	21.54	22.96		22.96	0.000005	-0.05	3.51	5.12	0.02
Rio Stella	unico	21	TR200_TP02H_SP	-0.33	21.54	23.00		23.00	0.000014	-0.09	3.71	5.12	0.03
Rio Stella	unico	21	TR200_TP03H_SP	-0.22	21.54	23.03		23.03	0.000006	-0.06	3.85	5.12	0.02
Rio Stella	unico	21	TR200_TP07H_SP	-0.03	21.54	23.09		23.09	0.000000	-0.01	4.17	5.12	0.00
Rio Stella	unico	21	TR200_TP14H_SP	-0.08	21.54	23.11		23.11	0.000001	-0.02	4.25	5.12	0.01
Rio Stella	unico	20.800*	TR200_TP36H_SP	0.04	21.51	23.34		23.34	0.000000	0.01	5.60	5.33	0.00
Rio Stella	unico	20.800*	TR200_TP01H_SP	-0.29	21.51	22.96		22.96	0.000013	-0.08	3.56	5.29	0.03
Rio Stella	unico	20.800*	TR200_TP02H_SP	-0.50	21.51	23.00		23.00	0.000033	-0.13	3.77	5.33	0.05
Rio Stella	unico	20.800*	TR200_TP03H_SP	-0.38	21.51	23.03		23.03	0.000017	-0.10	3.91	5.33	0.04
Rio Stella	unico	20.800*	TR200_TP07H_SP	-0.10	21.51	23.09		23.09	0.000001	-0.02	4.25	5.33	0.01
Rio Stella	unico	20.800*	TR200_TP14H_SP	-0.14	21.51	23.11		23.11	0.000002	-0.03	4.33	5.33	0.01
Rio Stella	unico	20.600*	TR200_TP36H_SP	0.04	21.47	23.34		23.34	0.000000	0.01	5.73	5.53	0.00
Rio Stella	unico	20.600*	TR200_TP01H_SP	-0.36	21.47	22.96		22.96	0.000020	-0.10	3.62	5.43	0.04
Rio Stella	unico	20.600*	TR200_TP02H_SP	-0.63	21.47	23.00		23.00	0.000052	-0.17	3.83	5.53	0.06
Rio Stella	unico	20.600*	TR200_TP03H_SP	-0.49	21.47	23.03		23.03	0.000027	-0.12	3.98	5.53	0.05
Rio Stella	unico	20.600*	TR200_TP07H_SP	-0.17	21.47	23.09		23.09	0.000003	-0.04	4.33	5.53	0.01
Rio Stella	unico	20.600*	TR200_TP14H_SP	-0.20	21.47	23.11		23.11	0.000003	-0.05	4.42	5.53	0.02
Rio Stella	unico	20.400*	TR200_TP36H_SP	0.04	21.44	23.34		23.34	0.000000	0.01	5.86	5.74	0.00
Rio Stella	unico	20.400*	TR200_TP01H_SP	-0.41	21.44	22.96		22.96	0.000025	-0.11	3.67	5.55	0.04
Rio Stella	unico	20.400*	TR200_TP02H_SP	-0.76	21.44	23.00		23.00	0.000074	-0.20	3.89	5.70	0.08
Rio Stella	unico	20.400*	TR200_TP03H_SP	-0.58	21.44	23.03		23.03	0.000039	-0.14	4.05	5.74	0.05
Rio Stella	unico	20.400*	TR200_TP07H_SP	-0.23	21.44	23.09		23.09	0.000005	-0.05	4.40	5.74	0.02
Rio Stella	unico	20.400*	TR200_TP14H_SP	-0.26	21.44	23.11		23.11	0.000005	-0.06	4.50	5.74	0.02
Rio Stella	unico	20.200*	TR200_TP36H_SP	0.03	21.40	23.34		23.34	0.000000	0.01	5.98	5.95	0.00
Rio Stella	unico	20.200*	TR200_TP01H_SP	-0.42	21.40	22.96		22.96	0.000026	-0.11	3.73	5.67	0.04
Rio Stella	unico	20.200*	TR200_TP02H_SP	-0.85	21.40	23.00		23.00	0.000090	-0.21	3.95	5.83	0.08
Rio Stella	unico	20.200*	TR200_TP03H_SP	-0.69	21.40	23.03		23.03	0.000054	-0.17	4.11	5.94	0.06
Rio Stella	unico	20.200*	TR200_TP07H_SP	-0.30	21.40	23.09		23.09	0.000008	-0.07	4.47	5.95	0.02
Rio Stella	unico	20.200*	TR200_TP14H_SP	-0.31	21.40	23.11		23.11	0.000008	-0.07	4.57	5.95	0.03

HEC-RAS Profile: Max WS (Continued)

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
Rio Stella	unico	20	TR200_TP36H_SP	0.03	21.37	23.34		23.34	0.000000	0.00	6.23	6.16	0.00
Rio Stella	unico	20	TR200_TP01H_SP	-0.45	21.37	22.96		22.96	0.000026	-0.12	3.91	5.78	0.05
Rio Stella	unico	20	TR200_TP02H_SP	-0.96	21.37	23.00		23.01	0.000102	-0.23	4.14	5.95	0.09
Rio Stella	unico	20	TR200_TP03H_SP	-0.82	21.37	23.03		23.03	0.000068	-0.19	4.29	6.07	0.07
Rio Stella	unico	20	TR200_TP07H_SP	-0.38	21.37	23.09		23.09	0.000011	-0.08	4.67	6.16	0.03
Rio Stella	unico	20	TR200_TP14H_SP	-0.37	21.37	23.11		23.11	0.000010	-0.08	4.77	6.16	0.03
Rio Stella	unico	19.875*	TR200_TP36H_SP	0.03	21.33	23.34		23.34	0.000000	0.00	6.17	6.11	0.00
Rio Stella	unico	19.875*	TR200_TP01H_SP	-0.47	21.33	22.96		22.96	0.000029	-0.12	3.87	5.71	0.05
Rio Stella	unico	19.875*	TR200_TP02H_SP	-1.04	21.33	23.00		23.01	0.000123	-0.25	4.10	5.87	0.10
Rio Stella	unico	19.875*	TR200_TP03H_SP	-0.95	21.33	23.03		23.03	0.000093	-0.22	4.25	5.98	0.08
Rio Stella	unico	19.875*	TR200_TP07H_SP	-0.45	21.33	23.09		23.09	0.000016	-0.10	4.62	6.11	0.04
Rio Stella	unico	19.875*	TR200_TP14H_SP	-0.43	21.33	23.11		23.11	0.000014	-0.09	4.72	6.11	0.03
Rio Stella	unico	19.750*	TR200_TP36H_SP	0.02	21.30	23.34		23.34	0.000000	0.00	6.17	6.07	0.00
Rio Stella	unico	19.750*	TR200_TP01H_SP	-0.47	21.30	22.96		22.97	0.000028	-0.12	3.90	5.54	0.05
Rio Stella	unico	19.750*	TR200_TP02H_SP	-1.08	21.30	23.01		23.01	0.000129	-0.26	4.13	5.80	0.10
Rio Stella	unico	19.750*	TR200_TP03H_SP	-1.07	21.30	23.03		23.03	0.000115	-0.25	4.28	5.90	0.09
Rio Stella	unico	19.750*	TR200_TP07H_SP	-0.51	21.30	23.09		23.09	0.000021	-0.11	4.63	6.07	0.04
Rio Stella	unico	19.750*	TR200_TP14H_SP	-0.48	21.30	23.11		23.11	0.000017	-0.10	4.73	6.07	0.04
Rio Stella	unico	19.625*	TR200_TP36H_SP	0.02	21.26	23.34		23.34	0.000000	0.00	6.18	6.03	0.00
Rio Stella	unico	19.625*	TR200_TP01H_SP	-0.47	21.26	22.97		22.97	0.000027	-0.12	3.92	5.38	0.05
Rio Stella	unico	19.625*	TR200_TP02H_SP	-1.09	21.26	23.01		23.01	0.000126	-0.26	4.17	5.69	0.10
Rio Stella	unico	19.625*	TR200_TP03H_SP	-1.15	21.26	23.03		23.04	0.000129	-0.27	4.31	5.83	0.10
Rio Stella	unico	19.625*	TR200_TP07H_SP	-0.57	21.26	23.09		23.09	0.000026	-0.12	4.65	6.03	0.04
Rio Stella	unico	19.625*	TR200_TP14H_SP	-0.53	21.26	23.11		23.11	0.000021	-0.11	4.75	6.03	0.04
Rio Stella	unico	19.500*	TR200_TP36H_SP	0.02	21.23	23.34		23.34	0.000000	0.00	6.18	5.99	0.00
Rio Stella	unico	19.500*	TR200_TP01H_SP	-0.47	21.23	22.97		22.97	0.000026	-0.12	3.95	5.24	0.04
Rio Stella	unico	19.500*	TR200_TP02H_SP	-1.09	21.23	23.01		23.01	0.000121	-0.26	4.20	5.55	0.10
Rio Stella	unico	19.500*	TR200_TP03H_SP	-1.25	21.23	23.04		23.04	0.000148	-0.29	4.34	5.71	0.11
Rio Stella	unico	19.500*	TR200_TP07H_SP	-0.63	21.23	23.09		23.09	0.000031	-0.14	4.66	5.97	0.05
Rio Stella	unico	19.500*	TR200_TP14H_SP	-0.58	21.23	23.11		23.11	0.000025	-0.12	4.76	5.99	0.04
Rio Stella	unico	19.375*	TR200_TP36H_SP	0.01	21.19	23.34		23.34	0.000000	0.00	6.18	5.95	0.00
Rio Stella	unico	19.375*	TR200_TP01H_SP	-0.47	21.19	22.97		22.97	0.000025	-0.12	3.99	5.11	0.04
Rio Stella	unico	19.375*	TR200_TP02H_SP	-1.09	21.19	23.01		23.02	0.000117	-0.26	4.24	5.42	0.09
Rio Stella	unico	19.375*	TR200_TP03H_SP	-1.31	21.19	23.04		23.04	0.000155	-0.30	4.37	5.58	0.11
Rio Stella	unico	19.375*	TR200_TP07H_SP	-0.71	21.19	23.09		23.09	0.000038	-0.15	4.68	5.89	0.05
Rio Stella	unico	19.375*	TR200_TP14H_SP	-0.62	21.19	23.11		23.11	0.000028	-0.13	4.77	5.94	0.05
Rio Stella	unico	19.250*	TR200_TP36H_SP	0.01	21.15	23.34		23.34	0.000000	0.00	6.18	5.91	0.00
Rio Stella	unico	19.250*	TR200_TP01H_SP	-0.47	21.15	22.97		22.97	0.000024	-0.12	4.02	4.99	0.04
Rio Stella	unico	19.250*	TR200_TP02H_SP	-1.09	21.15	23.02		23.02	0.000112	-0.26	4.27	5.29	0.09
Rio Stella	unico	19.250*	TR200_TP03H_SP	-1.33	21.15	23.04		23.05	0.000155	-0.30	4.41	5.45	0.11
Rio Stella	unico	19.250*	TR200_TP07H_SP	-0.76	21.15	23.09		23.09	0.000043	-0.16	4.70	5.76	0.06
Rio Stella	unico	19.250*	TR200_TP14H_SP	-0.64	21.15	23.11		23.11	0.000030	-0.13	4.79	5.86	0.05
Rio Stella	unico	19.125*	TR200_TP36H_SP	0.00	21.12	23.34		23.34	0.000000	0.00	6.19	5.87	0.00
Rio Stella	unico	19.125*	TR200_TP01H_SP	-0.47	21.12	22.97		22.97	0.000023	-0.12	4.06	4.89	0.04
Rio Stella	unico	19.125*	TR200_TP02H_SP	-1.09	21.12	23.02		23.02	0.000108	-0.25	4.32	5.18	0.09
Rio Stella	unico	19.125*	TR200_TP03H_SP	-1.35	21.12	23.04		23.05	0.000152	-0.30	4.46	5.34	0.11
Rio Stella	unico	19.125*	TR200_TP07H_SP	-0.88	21.12	23.09		23.09	0.000057	-0.19	4.72	5.62	0.07
Rio Stella	unico	19.125*	TR200_TP14H_SP	-0.65	21.12	23.11		23.11	0.000030	-0.14	4.81	5.72	0.05
Rio Stella	unico	6	TR200_TP36H_SP	-0.01	21.08	23.34		23.34	0.000000	0.00	6.23	5.82	0.00
Rio Stella	unico	6	TR200_TP01H_SP	-0.47	21.08	22.97		22.97	0.000022	-0.11	4.13	4.78	0.04
Rio Stella	unico	6	TR200_TP02H_SP	-1.09	21.08	23.02		23.02	0.000101	-0.25	4.39	5.07	0.09
Rio Stella	unico	6	TR200_TP03H_SP	-1.36	21.08	23.05		23.05	0.000145	-0.30	4.53	5.23	0.10
Rio Stella	unico	6	TR200_TP07H_SP	-1.03	21.08	23.09		23.10	0.000074	-0.22	4.78	5.49	0.07
Rio Stella	unico	6	TR200_TP14H_SP	-0.66	21.08	23.11		23.11	0.000029	-0.13	4.87	5.58	0.05
Pagnana	unico	134	TR200_TP36H_SP	0.05	22.25	23.46		23.46	0.000001	0.02	2.15	6.11	0.01
Pagnana	unico	134	TR200_TP01H_SP	0.05	22.25	23.67		23.67	0.000000	0.01	3.56	7.49	0.01
Pagnana	unico	134	TR200_TP02H_SP	0.05	22.25	23.70		23.70	0.000000	0.01	3.82	7.53	0.01
Pagnana	unico	134	TR200_TP03H_SP	0.05	22.25	23.71		23.71	0.000000	0.01	3.90	7.54	0.01
Pagnana	unico	134	TR200_TP07H_SP	0.05	22.25	23.70		23.70	0.000000	0.01	3.82	7.53	0.01
Pagnana	unico	134	TR200_TP14H_SP	0.05	22.25	23.59		23.59	0.000001	0.02	2.98	7.21	0.01
Pagnana	unico	133.999		Lat Struct									
Pagnana	unico	133.998		Lat Struct									
Pagnana	unico	133.996*	TR200_TP36H_SP	0.08	22.22	23.46		23.46	0.000003	0.04	1.83	3.22	0.02
Pagnana	unico	133.996*	TR200_TP01H_SP	1.18	22.22	23.65		23.66	0.000306	0.48	2.46	3.98	0.19
Pagnana	unico	133.996*	TR200_TP02H_SP	1.05	22.22	23.67		23.68	0.000220	0.41	2.58	4.19	0.17
Pagnana	unico	133.996*	TR200_TP03H_SP	0.82	22.22	23.70		23.70	0.000124	0.31	2.68	4.35	0.13
Pagnana	unico	133.996*	TR200_TP07H_SP	0.71	22.22	23.69		23.70	0.000093	0.27	2.67	4.33	0.11
Pagnana	unico	133.996*	TR200_TP14H_SP	0.47	22.22	23.58		23.59	0.000061	0.21	2.23	3.60	0.09
Pagnana	unico	133.987	TR200_TP36H_SP	0.08	22.18	23.46		23.46	0.000002	0.04	1.96	3.35	0.02
Pagnana	unico	133.987	TR200_TP01H_SP	1.18	22.18	23.64		23.65	0.000270	0.45	2.61	4.23	0.18
Pagnana	unico	133.987	TR200_TP02H_SP	1.05	22.18	23.67		23.68	0.000192	0.38	2.74	4.44	0.16
Pagnana	unico	133.987	TR200_TP03H_SP	0.78	22.18	23.70		23.70	0.000096	0.27	2.85	4.62	0.11
Pagnana	unico	133.987	TR200_TP07H_SP	0.72	22.18	23.69		23.70	0.000083	0.25	2.84	4.60	0.10
Pagnana	unico	133.987	TR200_TP14H_SP	0.47	22.18	23.58		23.59	0.000053	0.20	2.38	3.83	0.08
Pagnana	unico	133.986*	TR200_TP36H_SP	0.08	22.16	23.46		23.46	0.000002	0.04	2.04	3.43	0.02
Pagnana	unico	133.986*	TR200_TP01H_SP	1.18	22.16	23.63		23.64	0.000253	0.44	2.68	4.35	0.18
Pagnana	unico	133.986*	TR200_TP02H_SP	0.87	22.16	23.67		23.67	0.000120	0.30	2.84	4.60	0.12
Pagnana	unico	133.986*	TR200_TP03H_SP	0.78	22.16	23.69		23.70	0.000088	0.26	2.96	4.78	0.11
Pagnana	unico	133.986*	TR200_TP07H_SP	0.68	22.16	23.69		23.69	0.000068	0.23	2.95	4.77	0.09
Pagnana	unico	133.986*	TR200_TP14H_SP	0.47	22.16	23.58		23.58	0.000048	0.19	2.47	4.00	0.08
Pagnana	unico	133.984*	TR200_TP36H_SP	0.08	22.13	23.46		23.46	0.000002	0.04	2.13	3.51	0.01
Pagnana	unico	133.984*	TR200_TP01H_SP	1.18	22.13	23.62		23.63	0.000237	0.43	2.76	4.48	0.17
Pagnana	unico	133.984*	TR200_TP02H_SP	0.79	22.13	23.66		23.67	0.000092	0.27	2.95	4.76	0.11
Pagnana	unico	133.984*	TR200_TP03H_SP	0.71	22.13	23.69		23.69	0.000065	0.23	3.08	4.85	0.09
Pagnana	unico	133.984*	TR200_TP07H_SP	0.68	22.13	23.69		23.69	0.000061	0.22	3.07	4.85	0.09

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	133.984*	TR200_TP14H_SP	0.47	22.13	23.58		23.58	0.000044	0.18	2.57	4.17	0.07
Pagnana	unico	133.982*	TR200_TP36H_SP	0.08	22.11	23.46		23.46	0.000002	0.03	2.23	3.60	0.01
Pagnana	unico	133.982*	TR200_TP01H_SP	1.18	22.11	23.62		23.63	0.000221	0.41	2.85	4.61	0.17
Pagnana	unico	133.982*	TR200_TP02H_SP	0.72	22.11	23.66		23.66	0.000068	0.23	3.06	4.85	0.09
Pagnana	unico	133.982*	TR200_TP03H_SP	0.70	22.11	23.69		23.69	0.000058	0.22	3.19	4.88	0.09
Pagnana	unico	133.982*	TR200_TP07H_SP	0.68	22.11	23.69		23.69	0.000054	0.21	3.19	4.88	0.08
Pagnana	unico	133.982*	TR200_TP14H_SP	0.47	22.11	23.58		23.58	0.000041	0.18	2.68	4.35	0.07
Pagnana	unico	133.98*	TR200_TP36H_SP	0.08	22.08	23.46		23.46	0.000001	0.03	2.33	3.73	0.01
Pagnana	unico	133.98*	TR200_TP01H_SP	1.18	22.08	23.61		23.62	0.000204	0.40	2.94	4.75	0.16
Pagnana	unico	133.98*	TR200_TP02H_SP	0.69	22.08	23.66		23.66	0.000057	0.22	3.18	4.88	0.09
Pagnana	unico	133.98*	TR200_TP03H_SP	0.62	22.08	23.69		23.69	0.000040	0.19	3.32	4.91	0.07
Pagnana	unico	133.98*	TR200_TP07H_SP	0.59	22.08	23.69		23.69	0.000036	0.18	3.32	4.91	0.07
Pagnana	unico	133.98*	TR200_TP14H_SP	0.47	22.08	23.58		23.58	0.000037	0.17	2.79	4.52	0.07
Pagnana	unico	133.978*	TR200_TP36H_SP	0.08	22.05	23.46		23.46	0.000001	0.03	2.42	3.91	0.01
Pagnana	unico	133.978*	TR200_TP01H_SP	1.16	22.05	23.60		23.61	0.000183	0.38	3.03	4.84	0.15
Pagnana	unico	133.978*	TR200_TP02H_SP	0.68	22.05	23.66		23.66	0.000049	0.21	3.30	4.91	0.08
Pagnana	unico	133.978*	TR200_TP03H_SP	0.64	22.05	23.69		23.69	0.000038	0.18	3.47	4.95	0.07
Pagnana	unico	133.978*	TR200_TP07H_SP	0.60	22.05	23.69		23.69	0.000033	0.17	3.46	4.95	0.07
Pagnana	unico	133.978*	TR200_TP14H_SP	0.47	22.05	23.58		23.58	0.000034	0.16	2.91	4.70	0.07
Pagnana	unico	133.977	TR200_TP36H_SP	0.08	22.03	23.46		23.46	0.000001	0.03	2.53	4.09	0.01
Pagnana	unico	133.977	TR200_TP01H_SP	0.98	22.03	23.60		23.61	0.000116	0.31	3.15	4.87	0.12
Pagnana	unico	133.977	TR200_TP02H_SP	0.42	22.03	23.66		23.66	0.000016	0.12	3.44	4.94	0.05
Pagnana	unico	133.977	TR200_TP03H_SP	0.48	22.03	23.69		23.69	0.000019	0.13	3.60	4.99	0.05
Pagnana	unico	133.977	TR200_TP07H_SP	0.41	22.03	23.69		23.69	0.000014	0.11	3.61	4.99	0.04
Pagnana	unico	133.977	TR200_TP14H_SP	0.47	22.03	23.58		23.58	0.000030	0.15	3.03	4.84	0.06
Pagnana	unico	133.974	TR200_TP36H_SP	0.08	22.00	23.46		23.46	0.000001	0.03	2.64	4.28	0.01
Pagnana	unico	133.974	TR200_TP01H_SP	0.50	22.00	23.61		23.61	0.000026	0.15	3.30	4.91	0.06
Pagnana	unico	133.974	TR200_TP02H_SP	-0.10	22.00	23.66		23.66	0.000001	-0.03	3.57	4.98	0.01
Pagnana	unico	133.974	TR200_TP03H_SP	-0.14	22.00	23.69		23.69	0.000002	-0.04	3.71	5.02	0.01
Pagnana	unico	133.974	TR200_TP07H_SP	-0.08	22.00	23.69		23.69	0.000000	-0.02	3.71	5.02	0.01
Pagnana	unico	133.974	TR200_TP14H_SP	0.34	22.00	23.58		23.58	0.000014	0.11	3.15	4.87	0.04
Pagnana	unico	133.972		Lat Struct									
Pagnana	unico	133.971*	TR200_TP36H_SP	0.84	21.98	23.45		23.46	0.000133	0.32	2.63	4.26	0.13
Pagnana	unico	133.971*	TR200_TP01H_SP	1.44	21.98	23.57		23.58	0.000242	0.45	3.20	4.88	0.18
Pagnana	unico	133.971*	TR200_TP02H_SP	0.87	21.98	23.65		23.66	0.000062	0.24	3.60	4.99	0.09
Pagnana	unico	133.971*	TR200_TP03H_SP	0.81	21.98	23.69		23.69	0.000048	0.22	3.75	5.03	0.08
Pagnana	unico	133.971*	TR200_TP07H_SP	0.82	21.98	23.69		23.69	0.000049	0.22	3.75	5.03	0.08
Pagnana	unico	133.971*	TR200_TP14H_SP	1.53	21.98	23.55		23.56	0.000307	0.50	3.07	4.85	0.20
Pagnana	unico	133.943*	TR200_TP36H_SP	0.84	21.97	23.45		23.45	0.000129	0.31	2.67	4.30	0.13
Pagnana	unico	133.943*	TR200_TP01H_SP	1.37	21.97	23.57		23.58	0.000212	0.42	3.23	4.89	0.17
Pagnana	unico	133.943*	TR200_TP02H_SP	0.87	21.97	23.65		23.66	0.000060	0.24	3.65	5.00	0.09
Pagnana	unico	133.943*	TR200_TP03H_SP	0.85	21.97	23.69		23.69	0.000049	0.22	3.83	5.05	0.08
Pagnana	unico	133.943*	TR200_TP07H_SP	0.83	21.97	23.69		23.69	0.000048	0.22	3.82	5.05	0.08
Pagnana	unico	133.943*	TR200_TP14H_SP	1.53	21.97	23.54		23.55	0.000301	0.49	3.09	4.85	0.20
Pagnana	unico	133.914*	TR200_TP36H_SP	0.84	21.96	23.45		23.45	0.000124	0.31	2.71	4.34	0.13
Pagnana	unico	133.914*	TR200_TP01H_SP	1.38	21.96	23.57		23.57	0.000208	0.42	3.27	4.90	0.17
Pagnana	unico	133.914*	TR200_TP02H_SP	0.89	21.96	23.66		23.66	0.000059	0.24	3.71	5.02	0.09
Pagnana	unico	133.914*	TR200_TP03H_SP	0.87	21.96	23.69		23.69	0.000050	0.22	3.87	5.06	0.08
Pagnana	unico	133.914*	TR200_TP07H_SP	0.81	21.96	23.69		23.69	0.000043	0.21	3.88	5.07	0.08
Pagnana	unico	133.914*	TR200_TP14H_SP	1.52	21.96	23.53		23.55	0.000291	0.49	3.11	4.86	0.19
Pagnana	unico	133.886*	TR200_TP36H_SP	0.84	21.94	23.44		23.45	0.000120	0.31	2.74	4.39	0.12
Pagnana	unico	133.886*	TR200_TP01H_SP	1.45	21.94	23.56		23.57	0.000226	0.44	3.29	4.90	0.17
Pagnana	unico	133.886*	TR200_TP02H_SP	0.98	21.94	23.65		23.65	0.000072	0.26	3.74	5.03	0.10
Pagnana	unico	133.886*	TR200_TP03H_SP	0.86	21.94	23.69		23.69	0.000047	0.22	3.95	5.09	0.08
Pagnana	unico	133.886*	TR200_TP07H_SP	0.83	21.94	23.69		23.69	0.000044	0.21	3.92	5.08	0.08
Pagnana	unico	133.886*	TR200_TP14H_SP	1.47	21.94	23.53		23.54	0.000265	0.47	3.14	4.87	0.19
Pagnana	unico	133.857*	TR200_TP36H_SP	0.84	21.93	23.44		23.45	0.000116	0.30	2.78	4.44	0.12
Pagnana	unico	133.857*	TR200_TP01H_SP	1.53	21.93	23.55		23.56	0.000247	0.46	3.31	4.91	0.18
Pagnana	unico	133.857*	TR200_TP02H_SP	1.32	21.93	23.64		23.65	0.000127	0.35	3.76	5.03	0.13
Pagnana	unico	133.857*	TR200_TP03H_SP	1.07	21.93	23.68		23.68	0.000072	0.27	3.94	5.08	0.10
Pagnana	unico	133.857*	TR200_TP07H_SP	1.02	21.93	23.68		23.68	0.000066	0.26	3.93	5.08	0.09
Pagnana	unico	133.857*	TR200_TP14H_SP	1.41	21.93	23.53		23.54	0.000236	0.44	3.18	4.88	0.18
Pagnana	unico	133.829*	TR200_TP36H_SP	0.84	21.91	23.44		23.44	0.000112	0.30	2.82	4.48	0.12
Pagnana	unico	133.829*	TR200_TP01H_SP	1.50	21.91	23.55		23.56	0.000230	0.45	3.34	4.92	0.17
Pagnana	unico	133.829*	TR200_TP02H_SP	1.36	21.91	23.64		23.65	0.000129	0.36	3.80	5.04	0.13
Pagnana	unico	133.829*	TR200_TP03H_SP	1.09	21.91	23.68		23.69	0.000071	0.27	4.02	5.10	0.10
Pagnana	unico	133.829*	TR200_TP07H_SP	1.10	21.91	23.68		23.68	0.000072	0.27	4.01	5.10	0.10
Pagnana	unico	133.829*	TR200_TP14H_SP	1.39	21.91	23.52		23.53	0.000224	0.43	3.21	4.88	0.17
Pagnana	unico	133.8	TR200_TP36H_SP	0.84	21.90	23.44		23.44	0.000109	0.29	2.86	4.53	0.12
Pagnana	unico	133.8	TR200_TP01H_SP	1.49	21.90	23.54		23.55	0.000220	0.44	3.37	4.92	0.17
Pagnana	unico	133.8	TR200_TP02H_SP	1.38	21.90	23.64		23.64	0.000131	0.36	3.84	5.05	0.13
Pagnana	unico	133.8	TR200_TP03H_SP	1.16	21.90	23.68		23.68	0.000078	0.29	4.05	5.11	0.10
Pagnana	unico	133.8	TR200_TP07H_SP	1.09	21.90	23.67		23.67	0.000071	0.27	4.01	5.10	0.10
Pagnana	unico	133.8	TR200_TP14H_SP	1.38	21.90	23.52		23.52	0.000215	0.43	3.24	4.89	0.17
Pagnana	unico	133.6*	TR200_TP36H_SP	0.84	21.88	23.43		23.44	0.000112	0.30	2.80	4.32	0.12
Pagnana	unico	133.6*	TR200_TP01H_SP	1.55	21.88	23.53		23.55	0.000264	0.47	3.27	4.90	0.19
Pagnana	unico	133.6*	TR200_TP02H_SP	1.41	21.88	23.63		23.64	0.000147	0.38	3.74	5.03	0.14
Pagnana	unico	133.6*	TR200_TP03H_SP	1.19	21.88	23.67		23.68	0.000089	0.30	3.96	5.09	0.11
Pagnana	unico	133.6*	TR200_TP07H_SP	1.21	21.88	23.67		23.68	0.000091	0.30	3.96	5.09	0.11
Pagnana	unico	133.6*	TR200_TP14H_SP	1.40	21.88	23.51		23.52	0.000239	0.44	3.15	4.85	0.18
Pagnana	unico	133.4*	TR200_TP36H_SP	0.84	21.87	23.43		23.44	0.000115	0.31	2.74	4.12	0.12
Pagnana	unico	133.4*	TR200_TP01H_SP	1.57	21.87	23.53		23.54	0.000292	0.49	3.17	4.79	0.19
Pagnana	unico	133.4*	TR200_TP02H_SP	1.45	21.87	23.62		23.63	0.000166	0.40	3.65	5.00	0.15
Pagnana	unico	133.4*	TR200_TP03H_SP	1.12	21.87	23.67		23.67	0.000084	0.29	3.87	5.07	0.11
Pagnana	unico	133.4*	TR200_TP07H_SP	1.13	21.87	23.67		23.67	0.000087	0.29	3.86	5.06	0.11
Pagnana	unico	133.4*	TR200_TP14H_SP	1.40	21.87	23.50		23.51	0.000251	0.46	3.06	4.63	0.18

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	133.2*	TR200_TP36H_SP	0.84	21.85	23.43		23.43	0.000117	0.31	2.69	3.91	0.12
Pagnana	unico	133.2*	TR200_TP01H_SP	1.57	21.85	23.52		23.53	0.000308	0.51	3.08	4.55	0.20
Pagnana	unico	133.2*	TR200_TP02H_SP	1.64	21.85	23.61		23.62	0.000235	0.46	3.53	4.97	0.18
Pagnana	unico	133.2*	TR200_TP03H_SP	1.36	21.85	23.66		23.67	0.000134	0.36	3.77	5.03	0.13
Pagnana	unico	133.2*	TR200_TP07H_SP	1.37	21.85	23.66		23.67	0.000138	0.36	3.76	5.03	0.13
Pagnana	unico	133.2*	TR200_TP14H_SP	1.40	21.85	23.50		23.51	0.000262	0.47	2.98	4.40	0.18
Pagnana	unico	133	TR200_TP36H_SP	0.84	21.84	23.43		23.43	0.000119	0.32	2.65	3.71	0.12
Pagnana	unico	133	TR200_TP01H_SP	1.57	21.84	23.51		23.53	0.000322	0.52	2.99	4.31	0.20
Pagnana	unico	133	TR200_TP02H_SP	1.74	21.84	23.60		23.62	0.000294	0.51	3.42	4.94	0.20
Pagnana	unico	133	TR200_TP03H_SP	1.62	21.84	23.65		23.66	0.000211	0.44	3.65	5.00	0.17
Pagnana	unico	133	TR200_TP07H_SP	1.62	21.84	23.65		23.66	0.000213	0.45	3.64	4.99	0.17
Pagnana	unico	133	TR200_TP14H_SP	1.40	21.84	23.49		23.50	0.000272	0.48	2.91	4.16	0.18
Pagnana	unico	132.5*	TR200_TP36H_SP	0.86	21.82	23.42		23.43	0.000093	0.29	3.00	4.32	0.11
Pagnana	unico	132.5*	TR200_TP01H_SP	1.62	21.82	23.51		23.52	0.000251	0.48	3.38	4.83	0.18
Pagnana	unico	132.5*	TR200_TP02H_SP	1.89	21.82	23.60		23.61	0.000261	0.49	3.85	5.61	0.19
Pagnana	unico	132.5*	TR200_TP03H_SP	1.91	21.82	23.64		23.65	0.000222	0.47	4.10	5.69	0.17
Pagnana	unico	132.5*	TR200_TP07H_SP	1.89	21.82	23.64		23.65	0.000220	0.46	4.09	5.68	0.17
Pagnana	unico	132.5*	TR200_TP14H_SP	1.44	21.82	23.49		23.50	0.000212	0.44	3.28	4.65	0.17
Pagnana	unico	132	TR200_TP36H_SP	0.88	21.81	23.42		23.43	0.000069	0.25	3.48	5.00	0.10
Pagnana	unico	132	TR200_TP01H_SP	1.66	21.81	23.50		23.51	0.000188	0.43	3.90	5.55	0.16
Pagnana	unico	132	TR200_TP02H_SP	1.95	21.81	23.59		23.60	0.000198	0.44	4.45	6.48	0.17
Pagnana	unico	132	TR200_TP03H_SP	2.04	21.81	23.64		23.65	0.000183	0.43	4.73	6.57	0.16
Pagnana	unico	132	TR200_TP07H_SP	2.02	21.81	23.63		23.64	0.000180	0.43	4.72	6.57	0.16
Pagnana	unico	132	TR200_TP14H_SP	1.49	21.81	23.48		23.49	0.000159	0.39	3.79	5.32	0.15
Pagnana	unico	131.7	TR200_TP36H_SP	0.89	21.80	23.42		23.42	0.000105	0.37	2.39	4.00	0.11
Pagnana	unico	131.7	TR200_TP01H_SP	1.68	21.80	23.48		23.51	0.000308	0.66	2.54	4.24	0.20
Pagnana	unico	131.7	TR200_TP02H_SP	1.97	21.80	23.57		23.60	0.000332	0.72	2.73	4.55	0.21
Pagnana	unico	131.7	TR200_TP03H_SP	2.07	21.80	23.61		23.64	0.000329	0.73	2.82	4.69	0.21
Pagnana	unico	131.7	TR200_TP07H_SP	2.05	21.80	23.61		23.64	0.000323	0.73	2.82	4.69	0.20
Pagnana	unico	131.7	TR200_TP14H_SP	1.51	21.80	23.47		23.49	0.000262	0.60	2.51	4.18	0.18
Pagnana	unico	131.5		Culvert									
Pagnana	unico	131	TR200_TP36H_SP	0.89	21.77	23.41		23.42	0.000107	0.37	2.40	3.98	0.11
Pagnana	unico	131	TR200_TP01H_SP	1.68	21.77	23.47		23.49	0.000323	0.67	2.52	4.18	0.20
Pagnana	unico	131	TR200_TP02H_SP	1.96	21.77	23.55		23.57	0.000350	0.73	2.70	4.46	0.21
Pagnana	unico	131	TR200_TP03H_SP	2.06	21.77	23.59		23.61	0.000348	0.74	2.79	4.60	0.21
Pagnana	unico	131	TR200_TP07H_SP	2.04	21.77	23.59		23.61	0.000342	0.73	2.78	4.60	0.21
Pagnana	unico	131	TR200_TP14H_SP	1.51	21.77	23.45		23.47	0.000272	0.61	2.49	4.13	0.18
Pagnana	unico	130.99		Lat Struct									
Pagnana	unico	130.98		Lat Struct									
Pagnana	unico	130.667*	TR200_TP36H_SP	0.91	21.76	23.41		23.41	0.000112	0.32	2.87	3.78	0.12
Pagnana	unico	130.667*	TR200_TP01H_SP	1.73	21.76	23.46		23.48	0.000339	0.56	3.07	3.97	0.20
Pagnana	unico	130.667*	TR200_TP02H_SP	2.02	21.76	23.54		23.56	0.000353	0.59	3.41	4.28	0.21
Pagnana	unico	130.667*	TR200_TP03H_SP	2.13	21.76	23.58		23.60	0.000346	0.59	3.58	4.43	0.21
Pagnana	unico	130.667*	TR200_TP07H_SP	2.11	21.76	23.58		23.60	0.000340	0.59	3.58	4.43	0.21
Pagnana	unico	130.667*	TR200_TP14H_SP	1.56	21.76	23.45		23.46	0.000288	0.52	3.02	3.93	0.19
Pagnana	unico	130.333*	TR200_TP36H_SP	0.93	21.74	23.41		23.41	0.000123	0.33	2.81	3.63	0.12
Pagnana	unico	130.333*	TR200_TP01H_SP	1.77	21.74	23.45		23.47	0.000385	0.60	2.98	3.82	0.22
Pagnana	unico	130.333*	TR200_TP02H_SP	2.07	21.74	23.53		23.55	0.000407	0.63	3.30	4.14	0.22
Pagnana	unico	130.333*	TR200_TP03H_SP	2.19	21.74	23.57		23.59	0.000400	0.63	3.47	4.30	0.22
Pagnana	unico	130.333*	TR200_TP07H_SP	2.17	21.74	23.57		23.59	0.000394	0.63	3.47	4.30	0.22
Pagnana	unico	130.333*	TR200_TP14H_SP	1.61	21.74	23.44		23.46	0.000328	0.55	2.94	3.77	0.20
Pagnana	unico	130	TR200_TP36H_SP	0.95	21.73	23.40		23.41	0.000129	0.34	2.83	3.69	0.12
Pagnana	unico	130	TR200_TP01H_SP	1.82	21.73	23.44		23.46	0.000409	0.61	2.98	3.73	0.22
Pagnana	unico	130	TR200_TP02H_SP	2.13	21.73	23.52		23.54	0.000424	0.65	3.28	3.79	0.22
Pagnana	unico	130	TR200_TP03H_SP	2.25	21.73	23.56		23.58	0.000418	0.66	3.43	3.85	0.22
Pagnana	unico	130	TR200_TP07H_SP	2.23	21.73	23.56		23.58	0.000411	0.65	3.43	3.85	0.22
Pagnana	unico	130	TR200_TP14H_SP	1.66	21.73	23.43		23.45	0.000351	0.56	2.94	3.72	0.20
Pagnana	unico	129.8*	TR200_TP36H_SP	0.97	21.72	23.40		23.41	0.000121	0.32	3.04	4.30	0.12
Pagnana	unico	129.8*	TR200_TP01H_SP	1.87	21.72	23.43		23.45	0.000389	0.59	3.18	4.33	0.22
Pagnana	unico	129.8*	TR200_TP02H_SP	2.18	21.72	23.51		23.53	0.000396	0.62	3.53	4.48	0.22
Pagnana	unico	129.8*	TR200_TP03H_SP	2.31	21.72	23.55		23.57	0.000386	0.62	3.71	4.56	0.22
Pagnana	unico	129.8*	TR200_TP07H_SP	2.29	21.72	23.55		23.57	0.000380	0.62	3.71	4.56	0.22
Pagnana	unico	129.8*	TR200_TP14H_SP	1.70	21.72	23.43		23.44	0.000336	0.54	3.14	4.32	0.20
Pagnana	unico	129.6*	TR200_TP36H_SP	0.99	21.70	23.40		23.40	0.000114	0.30	3.26	4.97	0.12
Pagnana	unico	129.6*	TR200_TP01H_SP	1.91	21.70	23.43		23.44	0.000372	0.56	3.40	5.03	0.22
Pagnana	unico	129.6*	TR200_TP02H_SP	2.23	21.70	23.51		23.52	0.000366	0.59	3.81	5.18	0.22
Pagnana	unico	129.6*	TR200_TP03H_SP	2.36	21.70	23.55		23.56	0.000351	0.59	4.02	5.27	0.21
Pagnana	unico	129.6*	TR200_TP07H_SP	2.34	21.70	23.55		23.56	0.000346	0.58	4.02	5.27	0.21
Pagnana	unico	129.6*	TR200_TP14H_SP	1.75	21.70	23.42		23.43	0.000324	0.52	3.36	5.01	0.20
Pagnana	unico	129.4*	TR200_TP36H_SP	1.01	21.69	23.40		23.40	0.000105	0.29	3.52	5.68	0.12
Pagnana	unico	129.4*	TR200_TP01H_SP	1.96	21.69	23.42		23.44	0.000350	0.54	3.65	5.72	0.21
Pagnana	unico	129.4*	TR200_TP02H_SP	2.27	21.69	23.50		23.52	0.000333	0.55	4.12	5.95	0.21
Pagnana	unico	129.4*	TR200_TP03H_SP	2.38	21.69	23.54		23.56	0.000312	0.55	4.36	6.10	0.21
Pagnana	unico	129.4*	TR200_TP07H_SP	2.36	21.69	23.54		23.56	0.000307	0.54	4.36	6.10	0.20
Pagnana	unico	129.4*	TR200_TP14H_SP	1.80	21.69	23.41		23.43	0.000306	0.50	3.60	5.71	0.20
Pagnana	unico	129.2*	TR200_TP36H_SP	1.04	21.67	23.40		23.40	0.000096	0.27	3.79	6.42	0.11
Pagnana	unico	129.2*	TR200_TP01H_SP	2.00	21.67	23.41		23.43	0.000329	0.51	3.91	6.50	0.21
Pagnana	unico	129.2*	TR200_TP02H_SP	2.29	21.67	23.50		23.51	0.000300	0.51	4.46	6.88	0.20
Pagnana	unico	129.2*	TR200_TP03H_SP	2.41	21.67	23.54		23.55	0.000279	0.51	4.75	7.08	0.20
Pagnana	unico	129.2*	TR200_TP07H_SP	2.39	21.67	23.54		23.55	0.000275	0.50	4.75	7.08	0.20
Pagnana	unico	129.2*	TR200_TP14H_SP	1.85	21.67	23.41		23.42	0.000288	0.48	3.87	6.47	0.20
Pagnana	unico	129	TR200_TP36H_SP	1.05	21.66	23.39		23.40	0.000089	0.26	4.12	7.45	0.11
Pagnana	unico	129	TR200_TP01H_SP	2.04	21.66	23.41		23.42	0.000310	0.48	4.23	7.54	0.21
Pagnana	unico	129	TR200_TP02H_SP	2.35	21.66	23.49		23.50	0.000282	0.48	4.87	8.16	0.20

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	129	TR200_TP03H_SP	2.48	21.66	23.53		23.54	0.000267	0.47	5.22	8.63	0.19
Pagnana	unico	129	TR200_TP07H_SP	2.46	21.66	23.53		23.54	0.000263	0.47	5.22	8.63	0.19
Pagnana	unico	129	TR200_TP14H_SP	1.89	21.66	23.40		23.41	0.000273	0.45	4.18	7.50	0.19
Pagnana	unico	128.8*	TR200_TP36H_SP	1.08	21.65	23.39		23.39	0.000082	0.25	4.25	7.37	0.11
Pagnana	unico	128.8*	TR200_TP01H_SP	2.09	21.65	23.40		23.41	0.000294	0.48	4.33	7.43	0.20
Pagnana	unico	128.8*	TR200_TP02H_SP	2.43	21.65	23.48		23.50	0.000282	0.49	4.96	8.08	0.20
Pagnana	unico	128.8*	TR200_TP03H_SP	2.58	21.65	23.53		23.54	0.000270	0.49	5.31	8.53	0.20
Pagnana	unico	128.8*	TR200_TP07H_SP	2.55	21.65	23.53		23.54	0.000265	0.48	5.31	8.53	0.19
Pagnana	unico	128.8*	TR200_TP14H_SP	1.93	21.65	23.40		23.41	0.000259	0.45	4.29	7.39	0.19
Pagnana	unico	128.6*	TR200_TP36H_SP	1.09	21.63	23.39		23.39	0.000075	0.25	4.38	7.29	0.10
Pagnana	unico	128.6*	TR200_TP01H_SP	2.12	21.63	23.40		23.41	0.000279	0.48	4.42	7.33	0.20
Pagnana	unico	128.6*	TR200_TP02H_SP	2.50	21.63	23.48		23.49	0.000277	0.49	5.05	8.00	0.20
Pagnana	unico	128.6*	TR200_TP03H_SP	2.65	21.63	23.52		23.53	0.000268	0.49	5.39	8.43	0.20
Pagnana	unico	128.6*	TR200_TP07H_SP	2.63	21.63	23.52		23.53	0.000263	0.49	5.39	8.43	0.19
Pagnana	unico	128.6*	TR200_TP14H_SP	1.97	21.63	23.39		23.40	0.000246	0.45	4.39	7.30	0.19
Pagnana	unico	128.4*	TR200_TP36H_SP	1.11	21.62	23.39		23.39	0.000070	0.25	4.51	7.22	0.10
Pagnana	unico	128.4*	TR200_TP01H_SP	2.17	21.62	23.39		23.40	0.000268	0.48	4.52	7.22	0.19
Pagnana	unico	128.4*	TR200_TP02H_SP	2.55	21.62	23.47		23.48	0.000271	0.50	5.13	7.91	0.20
Pagnana	unico	128.4*	TR200_TP03H_SP	2.72	21.62	23.51		23.53	0.000264	0.50	5.47	8.32	0.20
Pagnana	unico	128.4*	TR200_TP07H_SP	2.69	21.62	23.51		23.53	0.000260	0.49	5.47	8.32	0.19
Pagnana	unico	128.4*	TR200_TP14H_SP	2.02	21.62	23.39		23.40	0.000236	0.45	4.48	7.20	0.18
Pagnana	unico	128.2*	TR200_TP36H_SP	1.13	21.60	23.39		23.39	0.000066	0.24	4.63	7.15	0.10
Pagnana	unico	128.2*	TR200_TP01H_SP	2.21	21.60	23.38		23.40	0.000257	0.48	4.60	7.13	0.19
Pagnana	unico	128.2*	TR200_TP02H_SP	2.60	21.60	23.47		23.48	0.000264	0.50	5.21	7.83	0.20
Pagnana	unico	128.2*	TR200_TP03H_SP	2.77	21.60	23.51		23.52	0.000258	0.50	5.54	8.21	0.19
Pagnana	unico	128.2*	TR200_TP07H_SP	2.74	21.60	23.51		23.52	0.000253	0.49	5.55	8.21	0.19
Pagnana	unico	128.2*	TR200_TP14H_SP	2.06	21.60	23.38		23.39	0.000227	0.45	4.57	7.10	0.18
Pagnana	unico	128	TR200_TP36H_SP	1.14	21.59	23.39		23.39	0.000062	0.24	4.74	7.08	0.09
Pagnana	unico	128	TR200_TP01H_SP	2.24	21.59	23.38		23.39	0.000245	0.48	4.69	7.03	0.19
Pagnana	unico	128	TR200_TP02H_SP	2.60	21.59	23.46		23.47	0.000248	0.49	5.29	7.73	0.19
Pagnana	unico	128	TR200_TP03H_SP	2.75	21.59	23.50		23.52	0.000239	0.49	5.63	8.06	0.19
Pagnana	unico	128	TR200_TP07H_SP	2.73	21.59	23.50		23.52	0.000235	0.48	5.63	8.06	0.19
Pagnana	unico	128	TR200_TP14H_SP	2.09	21.59	23.38		23.39	0.000217	0.45	4.66	7.01	0.18
Pagnana	unico	127.75*	TR200_TP36H_SP	1.16	21.58	23.38		23.39	0.000077	0.26	4.44	6.88	0.10
Pagnana	unico	127.75*	TR200_TP01H_SP	2.30	21.58	23.37		23.38	0.000319	0.53	4.34	6.79	0.21
Pagnana	unico	127.75*	TR200_TP02H_SP	2.63	21.58	23.45		23.47	0.000305	0.54	4.92	7.34	0.21
Pagnana	unico	127.75*	TR200_TP03H_SP	2.78	21.58	23.49		23.51	0.000290	0.53	5.24	7.64	0.20
Pagnana	unico	127.75*	TR200_TP07H_SP	2.76	21.58	23.49		23.51	0.000284	0.53	5.25	7.64	0.20
Pagnana	unico	127.75*	TR200_TP14H_SP	2.15	21.58	23.37		23.38	0.000283	0.50	4.32	6.78	0.20
Pagnana	unico	127.5*	TR200_TP36H_SP	1.20	21.56	23.38		23.39	0.000090	0.29	4.15	6.11	0.11
Pagnana	unico	127.5*	TR200_TP01H_SP	2.36	21.56	23.36		23.37	0.000373	0.59	4.00	5.76	0.23
Pagnana	unico	127.5*	TR200_TP02H_SP	2.80	21.56	23.44		23.46	0.000431	0.62	4.50	6.91	0.25
Pagnana	unico	127.5*	TR200_TP03H_SP	3.00	21.56	23.48		23.50	0.000419	0.62	4.80	7.19	0.24
Pagnana	unico	127.5*	TR200_TP07H_SP	2.97	21.56	23.48		23.50	0.000409	0.62	4.80	7.19	0.24
Pagnana	unico	127.5*	TR200_TP14H_SP	2.22	21.56	23.36		23.37	0.000329	0.55	4.00	5.75	0.21
Pagnana	unico	127.25*	TR200_TP36H_SP	1.22	21.55	23.38		23.38	0.000098	0.31	3.93	5.32	0.12
Pagnana	unico	127.25*	TR200_TP01H_SP	2.41	21.55	23.34		23.36	0.000432	0.64	3.75	5.10	0.24
Pagnana	unico	127.25*	TR200_TP02H_SP	2.86	21.55	23.42		23.44	0.000476	0.69	4.16	5.59	0.25
Pagnana	unico	127.25*	TR200_TP03H_SP	3.09	21.55	23.46		23.49	0.000493	0.70	4.39	5.94	0.26
Pagnana	unico	127.25*	TR200_TP07H_SP	3.06	21.55	23.46		23.49	0.000482	0.69	4.40	5.95	0.26
Pagnana	unico	127.25*	TR200_TP14H_SP	2.27	21.55	23.34		23.36	0.000381	0.60	3.75	5.10	0.23
Pagnana	unico	127	TR200_TP36H_SP	1.24	21.54	23.37		23.38	0.000112	0.33	3.74	4.85	0.12
Pagnana	unico	127	TR200_TP01H_SP	2.46	21.54	23.33		23.35	0.000512	0.70	3.52	4.59	0.26
Pagnana	unico	127	TR200_TP02H_SP	2.93	21.54	23.40		23.43	0.000574	0.76	3.87	5.00	0.27
Pagnana	unico	127	TR200_TP03H_SP	3.16	21.54	23.44		23.47	0.000591	0.78	4.07	5.22	0.28
Pagnana	unico	127	TR200_TP07H_SP	3.12	21.54	23.44		23.47	0.000574	0.76	4.08	5.23	0.28
Pagnana	unico	127	TR200_TP14H_SP	2.32	21.54	23.33		23.35	0.000451	0.66	3.53	4.60	0.24
Pagnana	unico	126.75*	TR200_TP36H_SP	1.26	21.52	23.37		23.38	0.000098	0.32	3.99	5.15	0.11
Pagnana	unico	126.75*	TR200_TP01H_SP	2.52	21.52	23.32		23.34	0.000469	0.68	3.71	4.87	0.25
Pagnana	unico	126.75*	TR200_TP02H_SP	2.99	21.52	23.39		23.42	0.000524	0.73	4.08	5.23	0.27
Pagnana	unico	126.75*	TR200_TP03H_SP	3.23	21.52	23.43		23.46	0.000540	0.75	4.29	5.43	0.27
Pagnana	unico	126.75*	TR200_TP07H_SP	3.19	21.52	23.43		23.46	0.000524	0.74	4.30	5.44	0.27
Pagnana	unico	126.75*	TR200_TP14H_SP	2.37	21.52	23.32		23.34	0.000413	0.64	3.73	4.89	0.23
Pagnana	unico	126.5*	TR200_TP36H_SP	1.28	21.51	23.37		23.38	0.000086	0.30	4.25	5.38	0.11
Pagnana	unico	126.5*	TR200_TP01H_SP	2.57	21.51	23.31		23.33	0.000425	0.65	3.92	5.08	0.24
Pagnana	unico	126.5*	TR200_TP02H_SP	3.05	21.51	23.38		23.40	0.000476	0.71	4.29	5.41	0.25
Pagnana	unico	126.5*	TR200_TP03H_SP	3.30	21.51	23.42		23.44	0.000492	0.73	4.51	5.59	0.26
Pagnana	unico	126.5*	TR200_TP07H_SP	3.26	21.51	23.42		23.45	0.000478	0.72	4.52	5.60	0.26
Pagnana	unico	126.5*	TR200_TP14H_SP	2.43	21.51	23.31		23.33	0.000374	0.61	3.95	5.10	0.22
Pagnana	unico	126.25*	TR200_TP36H_SP	1.30	21.50	23.37		23.37	0.000075	0.29	4.51	5.56	0.10
Pagnana	unico	126.25*	TR200_TP01H_SP	2.62	21.50	23.30		23.32	0.000386	0.63	4.13	5.25	0.23
Pagnana	unico	126.25*	TR200_TP02H_SP	3.11	21.50	23.37		23.39	0.000436	0.69	4.51	5.56	0.24
Pagnana	unico	126.25*	TR200_TP03H_SP	3.37	21.50	23.41		23.43	0.000468	0.71	4.73	5.94	0.26
Pagnana	unico	126.25*	TR200_TP07H_SP	3.33	21.50	23.41		23.43	0.000456	0.70	4.74	5.96	0.25
Pagnana	unico	126.25*	TR200_TP14H_SP	2.48	21.50	23.30		23.32	0.000340	0.60	4.16	5.28	0.21
Pagnana	unico	126	TR200_TP36H_SP	1.31	21.48	23.37		23.37	0.000070	0.27	4.79	6.08	0.10
Pagnana	unico	126	TR200_TP01H_SP	2.67	21.48	23.29		23.31	0.000354	0.61	4.35	5.40	0.22
Pagnana	unico	126	TR200_TP02H_SP	3.18	21.48	23.36		23.38	0.000421	0.67	4.74	5.99	0.24
Pagnana	unico	126	TR200_TP03H_SP	3.44	21.48	23.40		23.42	0.000448	0.69	4.97	6.32	0.25
Pagnana	unico	126	TR200_TP07H_SP	3.41	21.48	23.40		23.42	0.000436	0.68	4.98	6.34	0.25
Pagnana	unico	126	TR200_TP14H_SP	2.53	21.48	23.30		23.31	0.000311	0.58	4.39	5.43	0.20
Pagnana	unico	125.8*	TR200_TP36H_SP	1.32	21.47	23.37		23.37	0.000076	0.29	4.60	5.68	0.10
Pagnana	unico	125.8*	TR200_TP01H_SP	2.71	21.47	23.28		23.30	0.000402	0.65	4.14	5.10	0.23
Pagnana	unico	125.8*	TR200_TP02H_SP	3.23	21.47	23.35		23.37	0.000473	0.72	4.49	5.51	0.25
Pagnana	unico	125.8*	TR200_TP03H_SP	3.50	21.47	23.38		23.41	0.000507	0.74	4.70	5.82	0.26
Pagnana	unico	125.8*	TR200_TP07H_SP	3.47	21.47	23.38		23.41	0.000494	0.74	4.71	5.84	0.26
Pagnana	unico	125.8*	TR200_TP14H_SP	2.57	21.47	23.29		23.31	0.000353	0.61	4.18	5.13	0.22

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	125.6*	TR200_TP36H_SP	1.32	21.46	23.36		23.37	0.000082	0.30	4.41	5.34	0.11
Pagnana	unico	125.6*	TR200_TP01H_SP	2.75	21.46	23.27		23.29	0.000470	0.70	3.92	4.83	0.25
Pagnana	unico	125.6*	TR200_TP02H_SP	3.28	21.46	23.33		23.36	0.000550	0.77	4.24	5.11	0.27
Pagnana	unico	125.6*	TR200_TP03H_SP	3.56	21.46	23.37		23.40	0.000591	0.81	4.42	5.36	0.28
Pagnana	unico	125.6*	TR200_TP07H_SP	3.52	21.46	23.37		23.40	0.000574	0.79	4.43	5.38	0.28
Pagnana	unico	125.6*	TR200_TP14H_SP	2.62	21.46	23.28		23.30	0.000412	0.66	3.97	4.86	0.23
Pagnana	unico	125.4*	TR200_TP36H_SP	1.31	21.44	23.36		23.37	0.000089	0.31	4.20	5.04	0.11
Pagnana	unico	125.4*	TR200_TP01H_SP	2.79	21.44	23.25		23.28	0.000570	0.76	3.68	4.56	0.27
Pagnana	unico	125.4*	TR200_TP02H_SP	3.33	21.44	23.31		23.35	0.000666	0.84	3.96	4.76	0.30
Pagnana	unico	125.4*	TR200_TP03H_SP	3.62	21.44	23.34		23.38	0.000717	0.88	4.12	4.95	0.31
Pagnana	unico	125.4*	TR200_TP07H_SP	3.58	21.44	23.35		23.39	0.000696	0.87	4.13	4.96	0.30
Pagnana	unico	125.4*	TR200_TP14H_SP	2.66	21.44	23.26		23.29	0.000497	0.71	3.73	4.59	0.25
Pagnana	unico	125.2*	TR200_TP36H_SP	1.27	21.43	23.36		23.36	0.000097	0.32	3.98	4.78	0.11
Pagnana	unico	125.2*	TR200_TP01H_SP	2.84	21.43	23.23		23.27	0.000717	0.83	3.41	4.29	0.30
Pagnana	unico	125.2*	TR200_TP02H_SP	3.38	21.43	23.29		23.33	0.000848	0.93	3.65	4.46	0.33
Pagnana	unico	125.2*	TR200_TP03H_SP	3.68	21.43	23.32		23.37	0.000905	0.97	3.79	4.56	0.34
Pagnana	unico	125.2*	TR200_TP07H_SP	3.63	21.43	23.32		23.37	0.000874	0.95	3.81	4.58	0.33
Pagnana	unico	125.2*	TR200_TP14H_SP	2.70	21.43	23.25		23.28	0.000622	0.78	3.47	4.33	0.28
Pagnana	unico	125	TR200_TP36H_SP	1.16	21.42	23.36		23.36	0.000096	0.31	3.74	4.52	0.11
Pagnana	unico	125	TR200_TP01H_SP	2.88	21.42	23.21		23.25	0.000952	0.93	3.11	4.00	0.34
Pagnana	unico	125	TR200_TP02H_SP	3.44	21.42	23.26		23.31	0.001145	1.04	3.31	4.16	0.37
Pagnana	unico	125	TR200_TP03H_SP	3.73	21.42	23.28		23.34	0.001233	1.09	3.43	4.24	0.39
Pagnana	unico	125	TR200_TP07H_SP	3.66	21.42	23.29		23.35	0.001169	1.06	3.45	4.26	0.38
Pagnana	unico	125	TR200_TP14H_SP	2.75	21.42	23.22		23.26	0.000816	0.86	3.18	4.06	0.31
Pagnana	unico	124.5*	TR200_TP36H_SP	1.23	21.40	23.36		23.36	0.000038	0.22	5.63	6.71	0.08
Pagnana	unico	124.5*	TR200_TP01H_SP	2.94	21.40	23.20		23.22	0.000348	0.63	4.67	5.89	0.23
Pagnana	unico	124.5*	TR200_TP02H_SP	3.51	21.40	23.25		23.28	0.000427	0.71	4.97	6.21	0.25
Pagnana	unico	124.5*	TR200_TP03H_SP	3.81	21.40	23.28		23.31	0.000466	0.74	5.14	6.39	0.26
Pagnana	unico	124.5*	TR200_TP07H_SP	3.76	21.40	23.29		23.31	0.000446	0.73	5.17	6.42	0.26
Pagnana	unico	124.5*	TR200_TP14H_SP	2.80	21.40	23.22		23.24	0.000301	0.59	4.77	6.00	0.21
Pagnana	unico	124	TR200_TP36H_SP	1.24	21.39	23.36		23.36	0.000017	0.16	7.72	7.94	0.05
Pagnana	unico	124	TR200_TP01H_SP	3.00	21.39	23.20		23.21	0.000160	0.46	6.53	7.71	0.16
Pagnana	unico	124	TR200_TP02H_SP	3.57	21.39	23.25		23.27	0.000191	0.52	6.91	7.79	0.17
Pagnana	unico	124	TR200_TP03H_SP	3.86	21.39	23.28		23.30	0.000204	0.54	7.13	7.83	0.18
Pagnana	unico	124	TR200_TP07H_SP	3.82	21.39	23.29		23.30	0.000196	0.53	7.17	7.84	0.18
Pagnana	unico	124	TR200_TP14H_SP	2.86	21.39	23.22		23.23	0.000137	0.43	6.67	7.74	0.15
Pagnana	unico	123.75*	TR200_TP36H_SP	1.19	21.38	23.36		23.36	0.000017	0.16	7.36	7.50	0.05
Pagnana	unico	123.75*	TR200_TP01H_SP	3.04	21.38	23.20		23.21	0.000180	0.49	6.21	7.20	0.17
Pagnana	unico	123.75*	TR200_TP02H_SP	3.62	21.38	23.25		23.26	0.000217	0.55	6.56	7.28	0.19
Pagnana	unico	123.75*	TR200_TP03H_SP	3.91	21.38	23.27		23.29	0.000232	0.58	6.76	7.32	0.19
Pagnana	unico	123.75*	TR200_TP07H_SP	3.86	21.38	23.28		23.30	0.000223	0.57	6.79	7.33	0.19
Pagnana	unico	123.75*	TR200_TP14H_SP	2.91	21.38	23.22		23.23	0.000155	0.46	6.34	7.23	0.16
Pagnana	unico	123.5*	TR200_TP36H_SP	1.17	21.36	23.35		23.36	0.000019	0.17	6.94	7.04	0.05
Pagnana	unico	123.5*	TR200_TP01H_SP	3.08	21.36	23.19		23.21	0.000212	0.53	5.83	6.68	0.18
Pagnana	unico	123.5*	TR200_TP02H_SP	3.68	21.36	23.24		23.26	0.000259	0.60	6.14	6.76	0.20
Pagnana	unico	123.5*	TR200_TP03H_SP	3.97	21.36	23.27		23.29	0.000277	0.63	6.32	6.81	0.21
Pagnana	unico	123.5*	TR200_TP07H_SP	3.92	21.36	23.27		23.29	0.000267	0.62	6.36	6.82	0.20
Pagnana	unico	123.5*	TR200_TP14H_SP	2.95	21.36	23.21		23.22	0.000182	0.49	5.96	6.72	0.17
Pagnana	unico	123.3	TR200_TP36H_SP	1.18	21.35	23.35	21.57	23.36	0.000010	0.16	7.38	6.94	0.04
Pagnana	unico	123.3	TR200_TP01H_SP	3.12	21.35	23.19	21.78	23.20	0.000091	0.46	6.75	6.54	0.11
Pagnana	unico	123.3	TR200_TP02H_SP	3.73	21.35	23.24	21.83	23.25	0.000119	0.54	6.93	6.64	0.13
Pagnana	unico	123.3	TR200_TP03H_SP	4.03	21.35	23.26	21.85	23.28	0.000133	0.57	7.03	6.70	0.13
Pagnana	unico	123.3	TR200_TP07H_SP	3.99	21.35	23.27	21.85	23.28	0.000129	0.57	7.05	6.71	0.13
Pagnana	unico	123.3	TR200_TP14H_SP	2.99	21.35	23.21	21.76	23.22	0.000081	0.44	6.83	6.58	0.10
Pagnana	unico	123.15		Bridge									
Pagnana	unico	123	TR200_TP36H_SP	1.16	21.34	23.35		23.35	0.000009	0.16	7.41	6.98	0.04
Pagnana	unico	123	TR200_TP01H_SP	3.12	21.34	23.19		23.20	0.000090	0.46	6.78	6.56	0.11
Pagnana	unico	123	TR200_TP02H_SP	3.72	21.34	23.23		23.25	0.000118	0.54	6.95	6.66	0.13
Pagnana	unico	123	TR200_TP03H_SP	4.03	21.34	23.26		23.27	0.000131	0.57	7.05	6.72	0.13
Pagnana	unico	123	TR200_TP07H_SP	3.99	21.34	23.26		23.28	0.000128	0.56	7.07	6.73	0.13
Pagnana	unico	123	TR200_TP14H_SP	2.99	21.34	23.21		23.22	0.000080	0.44	6.85	6.60	0.10
Pagnana	unico	122.667*	TR200_TP36H_SP	1.12	21.33	23.35		23.35	0.000018	0.16	6.80	7.00	0.05
Pagnana	unico	122.667*	TR200_TP01H_SP	2.99	21.33	23.18		23.19	0.000222	0.53	5.63	6.56	0.18
Pagnana	unico	122.667*	TR200_TP02H_SP	3.56	21.33	23.23		23.24	0.000273	0.60	5.93	6.66	0.20
Pagnana	unico	122.667*	TR200_TP03H_SP	3.86	21.33	23.25		23.27	0.000296	0.63	6.11	6.72	0.21
Pagnana	unico	122.667*	TR200_TP07H_SP	3.82	21.33	23.26		23.28	0.000285	0.62	6.14	6.73	0.21
Pagnana	unico	122.667*	TR200_TP14H_SP	2.87	21.33	23.20		23.21	0.000191	0.50	5.77	6.61	0.17
Pagnana	unico	122.333*	TR200_TP36H_SP	1.13	21.31	23.35		23.35	0.000014	0.15	7.71	7.89	0.05
Pagnana	unico	122.333*	TR200_TP01H_SP	2.91	21.31	23.18		23.19	0.000158	0.46	6.39	7.44	0.16
Pagnana	unico	122.333*	TR200_TP02H_SP	3.45	21.31	23.22		23.24	0.000192	0.51	6.73	7.55	0.17
Pagnana	unico	122.333*	TR200_TP03H_SP	3.73	21.31	23.25		23.27	0.000207	0.54	6.92	7.62	0.18
Pagnana	unico	122.333*	TR200_TP07H_SP	3.70	21.31	23.26		23.27	0.000200	0.53	6.96	7.63	0.18
Pagnana	unico	122.333*	TR200_TP14H_SP	2.79	21.31	23.20		23.21	0.000136	0.43	6.54	7.49	0.15
Pagnana	unico	122	TR200_TP36H_SP	1.14	21.30	23.35		23.35	0.000011	0.13	8.67	8.78	0.04
Pagnana	unico	122	TR200_TP01H_SP	2.85	21.30	23.18		23.19	0.000116	0.40	7.18	8.29	0.14
Pagnana	unico	122	TR200_TP02H_SP	3.36	21.30	23.22		23.23	0.000139	0.44	7.56	8.42	0.15
Pagnana	unico	122	TR200_TP03H_SP	3.62	21.30	23.25		23.26	0.000149	0.47	7.78	8.49	0.16
Pagnana	unico	122	TR200_TP07H_SP	3.60	21.30	23.25		23.27	0.000145	0.46	7.82	8.51	0.15
Pagnana	unico	122	TR200_TP14H_SP	2.74	21.30	23.20		23.21	0.000100	0.37	7.36	8.35	0.13
Pagnana	unico	121.8*	TR200_TP36H_SP	1.12	21.29	23.35		23.35	0.000012	0.14	8.24	8.47	0.04
Pagnana	unico	121.8*	TR200_TP01H_SP	2.86	21.29	23.17		23.18	0.000135	0.42	6.77	7.99	0.15
Pagnana	unico	121.8*	TR200_TP02H_SP	3.34	21.29	23.22		23.23	0.000159	0.47	7.14	8.11	0.16
Pagnana	unico	121.8*	TR200_TP03H_SP	3.59	21.29	23.25		23.26	0.000169	0.49	7.35	8.18	0.16
Pagnana	unico	121.8*	TR200_TP07H_SP	3.58	21.29	23.25		23.26	0.000165	0.48	7.39	8.19	0.16
Pagnana	unico	121.8*	TR200_TP14H_SP	2.75	21.29	23.20		23.20	0.000116	0.40	6.95	8.05	0.14

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	121.6*	TR200_TP36H_SP	1.11	21.27	23.35		23.35	0.00013	0.14	7.87	8.20	0.05
Pagnana	unico	121.6*	TR200_TP01H_SP	2.99	21.27	23.17		23.18	0.000168	0.47	6.42	7.68	0.16
Pagnana	unico	121.6*	TR200_TP02H_SP	3.46	21.27	23.21		23.23	0.000195	0.51	6.76	7.79	0.18
Pagnana	unico	121.6*	TR200_TP03H_SP	3.72	21.27	23.24		23.25	0.000206	0.53	6.96	7.85	0.18
Pagnana	unico	121.6*	TR200_TP07H_SP	3.71	21.27	23.24		23.26	0.000201	0.53	7.00	7.87	0.18
Pagnana	unico	121.6*	TR200_TP14H_SP	2.85	21.27	23.19		23.20	0.000141	0.43	6.59	7.73	0.15
Pagnana	unico	121.4*	TR200_TP36H_SP	1.06	21.26	23.35		23.35	0.000013	0.14	7.57	7.94	0.05
Pagnana	unico	121.4*	TR200_TP01H_SP	3.31	21.26	23.16		23.17	0.000232	0.54	6.10	7.34	0.19
Pagnana	unico	121.4*	TR200_TP02H_SP	3.86	21.26	23.20		23.22	0.000273	0.60	6.40	7.44	0.21
Pagnana	unico	121.4*	TR200_TP03H_SP	4.14	21.26	23.22		23.24	0.000290	0.63	6.59	7.49	0.21
Pagnana	unico	121.4*	TR200_TP07H_SP	4.15	21.26	23.23		23.25	0.000287	0.63	6.62	7.50	0.21
Pagnana	unico	121.4*	TR200_TP14H_SP	3.12	21.26	23.18		23.19	0.000189	0.50	6.28	7.40	0.17
Pagnana	unico	121.2*	TR200_TP36H_SP	1.09	21.24	23.35		23.35	0.000014	0.15	7.33	7.50	0.05
Pagnana	unico	121.2*	TR200_TP01H_SP	3.75	21.24	23.14		23.16	0.000331	0.65	5.81	6.97	0.23
Pagnana	unico	121.2*	TR200_TP02H_SP	4.45	21.24	23.18		23.20	0.000412	0.73	6.05	7.05	0.25
Pagnana	unico	121.2*	TR200_TP03H_SP	4.83	21.24	23.20		23.23	0.000453	0.78	6.20	7.09	0.27
Pagnana	unico	121.2*	TR200_TP07H_SP	4.86	21.24	23.20		23.23	0.000452	0.78	6.23	7.10	0.27
Pagnana	unico	121.2*	TR200_TP14H_SP	3.55	21.24	23.17		23.19	0.000270	0.59	6.00	7.03	0.20
Pagnana	unico	121.1	TR200_TP36H_SP	1.07	21.23	23.35	21.44	23.35	0.000007	0.14	7.81	6.67	0.03
Pagnana	unico	121.1	TR200_TP01H_SP	3.94	21.23	23.14	21.73	23.15	0.000131	0.56	7.00	6.37	0.13
Pagnana	unico	121.1	TR200_TP02H_SP	4.71	21.23	23.17	21.79	23.19	0.000176	0.66	7.13	6.43	0.15
Pagnana	unico	121.1	TR200_TP03H_SP	5.13	21.23	23.19	21.82	23.22	0.000202	0.71	7.20	6.46	0.17
Pagnana	unico	121.1	TR200_TP07H_SP	5.17	21.23	23.19	21.82	23.22	0.000203	0.72	7.22	6.47	0.17
Pagnana	unico	121.1	TR200_TP14H_SP	3.72	21.23	23.16	21.71	23.18	0.000111	0.52	7.11	6.42	0.12
Pagnana	unico	121		Bridge									
Pagnana	unico	120.75*	TR200_TP36H_SP	1.03	21.22	23.35		23.35	0.000006	0.13	7.85	6.67	0.03
Pagnana	unico	120.75*	TR200_TP01H_SP	3.94	21.22	23.13		23.15	0.000130	0.56	7.02	6.39	0.13
Pagnana	unico	120.75*	TR200_TP02H_SP	4.71	21.22	23.16		23.19	0.000175	0.66	7.14	6.44	0.15
Pagnana	unico	120.75*	TR200_TP03H_SP	5.13	21.22	23.18		23.21	0.000201	0.71	7.21	6.47	0.16
Pagnana	unico	120.75*	TR200_TP07H_SP	5.16	21.22	23.19		23.21	0.000202	0.71	7.23	6.48	0.17
Pagnana	unico	120.75*	TR200_TP14H_SP	3.72	21.22	23.16		23.17	0.000110	0.52	7.13	6.43	0.12
Pagnana	unico	120.5*	TR200_TP36H_SP	0.93	21.20	23.35		23.35	0.000010	0.13	6.99	6.48	0.04
Pagnana	unico	120.5*	TR200_TP01H_SP	3.74	21.20	23.12		23.14	0.000327	0.68	5.54	6.17	0.23
Pagnana	unico	120.5*	TR200_TP02H_SP	4.44	21.20	23.15		23.18	0.000415	0.77	5.73	6.21	0.26
Pagnana	unico	120.5*	TR200_TP03H_SP	4.83	21.20	23.17		23.20	0.000463	0.83	5.84	6.24	0.27
Pagnana	unico	120.5*	TR200_TP07H_SP	4.85	21.20	23.17		23.21	0.000460	0.83	5.87	6.25	0.27
Pagnana	unico	120.5*	TR200_TP14H_SP	3.47	21.20	23.15		23.17	0.000253	0.61	5.74	6.22	0.20
Pagnana	unico	120.25*	TR200_TP36H_SP	0.83	21.19	23.35		23.35	0.000010	0.12	6.68	6.30	0.04
Pagnana	unico	120.25*	TR200_TP01H_SP	3.56	21.19	23.12		23.14	0.000361	0.68	5.25	5.88	0.23
Pagnana	unico	120.25*	TR200_TP02H_SP	4.16	21.19	23.15		23.18	0.000450	0.77	5.43	5.97	0.26
Pagnana	unico	120.25*	TR200_TP03H_SP	4.51	21.19	23.17		23.20	0.000501	0.81	5.54	6.02	0.27
Pagnana	unico	120.25*	TR200_TP07H_SP	4.51	21.19	23.17		23.20	0.000494	0.81	5.57	6.03	0.27
Pagnana	unico	120.25*	TR200_TP14H_SP	3.22	21.19	23.15		23.17	0.000267	0.59	5.45	5.97	0.20
Pagnana	unico	120	TR200_TP36H_SP	0.69	21.18	23.35		23.35	0.000009	0.11	6.22	6.11	0.03
Pagnana	unico	120	TR200_TP01H_SP	3.28	21.18	23.11		23.14	0.000365	0.67	4.87	5.29	0.22
Pagnana	unico	120	TR200_TP02H_SP	3.78	21.18	23.14		23.17	0.000447	0.75	5.03	5.40	0.25
Pagnana	unico	120	TR200_TP03H_SP	4.07	21.18	23.16		23.20	0.000493	0.79	5.13	5.47	0.26
Pagnana	unico	120	TR200_TP07H_SP	4.06	21.18	23.17		23.20	0.000483	0.79	5.16	5.49	0.26
Pagnana	unico	120	TR200_TP14H_SP	2.91	21.18	23.15		23.17	0.000261	0.57	5.06	5.42	0.19
Pagnana	unico	119.833*	TR200_TP36H_SP	0.52	21.17	23.35		23.35	0.000005	0.08	6.44	6.38	0.03
Pagnana	unico	119.833*	TR200_TP01H_SP	2.57	21.17	23.12		23.14	0.000192	0.50	5.11	5.34	0.16
Pagnana	unico	119.833*	TR200_TP02H_SP	2.89	21.17	23.16		23.17	0.000221	0.54	5.31	5.45	0.18
Pagnana	unico	119.833*	TR200_TP03H_SP	3.07	21.17	23.18		23.20	0.000237	0.57	5.42	5.52	0.18
Pagnana	unico	119.833*	TR200_TP07H_SP	3.07	21.17	23.18		23.20	0.000232	0.56	5.45	5.54	0.18
Pagnana	unico	119.833*	TR200_TP14H_SP	2.29	21.17	23.16		23.17	0.000139	0.43	5.30	5.44	0.14
Pagnana	unico	119.667*	TR200_TP36H_SP	0.35	21.15	23.35		23.35	0.000002	0.05	6.59	6.53	0.02
Pagnana	unico	119.667*	TR200_TP01H_SP	1.85	21.15	23.13		23.14	0.000090	0.35	5.31	5.41	0.11
Pagnana	unico	119.667*	TR200_TP02H_SP	1.99	21.15	23.17		23.18	0.000094	0.36	5.52	5.52	0.11
Pagnana	unico	119.667*	TR200_TP03H_SP	2.06	21.15	23.19		23.20	0.000096	0.37	5.65	5.58	0.12
Pagnana	unico	119.667*	TR200_TP07H_SP	2.04	21.15	23.20		23.20	0.000092	0.36	5.68	5.60	0.11
Pagnana	unico	119.667*	TR200_TP14H_SP	1.54	21.15	23.16		23.17	0.000057	0.28	5.49	5.50	0.09
Pagnana	unico	119.5	TR200_TP36H_SP	0.18	21.14	23.35		23.35	0.000003	0.09	2.04	6.23	0.02
Pagnana	unico	119.5	TR200_TP01H_SP	1.32	21.14	23.11		23.14	0.000247	0.74	1.80	5.28	0.18
Pagnana	unico	119.5	TR200_TP02H_SP	1.28	21.14	23.15		23.18	0.000212	0.69	1.84	5.44	0.16
Pagnana	unico	119.5	TR200_TP03H_SP	1.27	21.14	23.18		23.20	0.000200	0.68	1.87	5.53	0.16
Pagnana	unico	119.5	TR200_TP07H_SP	1.20	21.14	23.19		23.21	0.000176	0.64	1.88	5.55	0.15
Pagnana	unico	119.5	TR200_TP14H_SP	0.87	21.14	23.16		23.17	0.000098	0.47	1.85	5.46	0.11
Pagnana	unico	119.25		Culvert									
Pagnana	unico	119	TR200_TP36H_SP	0.14	21.13	23.34		23.34	0.000001	0.07	2.09	6.80	0.02
Pagnana	unico	119	TR200_TP01H_SP	1.07	21.13	22.97		22.99	0.000155	0.62	1.72	5.93	0.15
Pagnana	unico	119	TR200_TP02H_SP	1.12	21.13	23.03		23.05	0.000152	0.63	1.77	6.06	0.15
Pagnana	unico	119	TR200_TP03H_SP	1.02	21.13	23.06		23.07	0.000121	0.57	1.80	6.12	0.14
Pagnana	unico	119	TR200_TP07H_SP	0.81	21.13	23.10		23.11	0.000070	0.44	1.84	6.22	0.10
Pagnana	unico	119	TR200_TP14H_SP	0.62	21.13	23.11		23.12	0.000041	0.34	1.85	6.25	0.08
Pagnana	unico	118.85*	TR200_TP36H_SP	0.16	21.12	23.34		23.34	0.000000	0.02	7.87	7.48	0.01
Pagnana	unico	118.85*	TR200_TP01H_SP	1.23	21.12	22.98		22.98	0.000042	0.23	5.34	6.19	0.08
Pagnana	unico	118.85*	TR200_TP02H_SP	1.40	21.12	23.03		23.04	0.000045	0.25	5.69	6.31	0.08
Pagnana	unico	118.85*	TR200_TP03H_SP	1.33	21.12	23.06		23.06	0.000038	0.23	5.84	6.37	0.08
Pagnana	unico	118.85*	TR200_TP07H_SP	1.08	21.12	23.10		23.10	0.000022	0.18	6.11	6.49	0.06
Pagnana	unico	118.85*	TR200_TP14H_SP	0.81	21.12	23.11		23.11	0.000012	0.13	6.19	6.60	0.04
Pagnana	unico	118.7*	TR200_TP36H_SP	0.18	21.10	23.34		23.34	0.000000	0.02	8.14	7.45	0.01
Pagnana	unico	118.7*	TR200_TP01H_SP	1.36	21.10	22.98		22.98	0.000049	0.24	5.54	6.83	0.09
Pagnana	unico	118.7*	TR200_TP02H_SP	1.62	21.10	23.03		23.04	0.000057	0.27	5.92	6.89	0.09
Pagnana	unico	118.7*	TR200_TP03H_SP	1.53	21.10	23.06		23.06	0.000047	0.25	6.09	6.91	0.09
Pagnana	unico	118.7*	TR200_TP07H_SP	1.24	21.10	23.10		23.10	0.000027	0.19	6.39	6.96	0.06
Pagnana	unico	118.7*	TR200_TP14H_SP	0.91	21.10	23.11		23.11	0.000014	0.14	6.47	6.97	0.05

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	unico	118.55*	TR200_TP36H_SP	0.20	21.09	23.34		23.34	0.000000	0.02	8.30	7.53	0.01
Pagnana	unico	118.55*	TR200_TP01H_SP	1.48	21.09	22.97		22.98	0.000049	0.26	5.75	6.57	0.09
Pagnana	unico	118.55*	TR200_TP02H_SP	1.82	21.09	23.03		23.03	0.000062	0.30	6.11	6.62	0.10
Pagnana	unico	118.55*	TR200_TP03H_SP	1.69	21.09	23.05		23.06	0.000049	0.27	6.28	6.65	0.09
Pagnana	unico	118.55*	TR200_TP07H_SP	1.35	21.09	23.10		23.10	0.000028	0.21	6.57	6.70	0.07
Pagnana	unico	118.55*	TR200_TP14H_SP	0.99	21.09	23.11		23.11	0.000014	0.15	6.66	6.71	0.05
Pagnana	unico	118.4*	TR200_TP36H_SP	0.21	21.08	23.34		23.34	0.000000	0.03	8.36	7.62	0.01
Pagnana	unico	118.4*	TR200_TP01H_SP	1.62	21.08	22.97		22.98	0.000054	0.28	5.83	6.30	0.09
Pagnana	unico	118.4*	TR200_TP02H_SP	2.00	21.08	23.02		23.03	0.000070	0.32	6.17	6.36	0.11
Pagnana	unico	118.4*	TR200_TP03H_SP	1.83	21.08	23.05		23.05	0.000054	0.29	6.33	6.38	0.09
Pagnana	unico	118.4*	TR200_TP07H_SP	1.45	21.08	23.10		23.10	0.000030	0.22	6.62	6.51	0.07
Pagnana	unico	118.4*	TR200_TP14H_SP	1.06	21.08	23.11		23.11	0.000016	0.16	6.72	6.56	0.05
Pagnana	unico	118.1	TR200_TP36H_SP	0.23	21.06	23.34		23.34	0.000000	0.03	8.32	7.62	0.01
Pagnana	unico	118.1	TR200_TP01H_SP	1.68	21.06	22.97		22.97	0.000058	0.29	5.79	6.04	0.09
Pagnana	unico	118.1	TR200_TP02H_SP	2.03	21.06	23.02		23.03	0.000073	0.33	6.11	6.22	0.11
Pagnana	unico	118.1	TR200_TP03H_SP	1.85	21.06	23.05		23.05	0.000057	0.29	6.27	6.31	0.09
Pagnana	unico	118.1	TR200_TP07H_SP	1.45	21.06	23.09		23.10	0.000031	0.22	6.57	6.46	0.07
Pagnana	unico	118.1	TR200_TP14H_SP	1.11	21.06	23.11		23.11	0.000018	0.17	6.66	6.51	0.05
Pagnana	unico	118	TR200_TP36H_SP	0.23	21.49	23.34		23.34	0.000001	0.03	7.22	7.70	0.01
Pagnana	unico	118	TR200_TP01H_SP	1.67	21.49	22.96		22.97	0.000282	0.40	4.17	7.14	0.17
Pagnana	unico	118	TR200_TP02H_SP	1.87	21.49	23.01		23.02	0.000287	0.41	4.55	7.57	0.17
Pagnana	unico	118	TR200_TP03H_SP	1.70	21.49	23.04		23.05	0.000203	0.36	4.76	7.57	0.14
Pagnana	unico	118	TR200_TP07H_SP	1.19	21.49	23.09		23.09	0.000079	0.23	5.14	7.57	0.09
Pagnana	unico	118	TR200_TP14H_SP	1.12	21.49	23.11		23.11	0.000065	0.21	5.26	7.57	0.08
Pagnana	valle	18	TR200_TP36H_SP	0.22	21.04	23.34		23.34	0.000000	0.03	8.17	7.57	0.01
Pagnana	valle	18	TR200_TP01H_SP	1.21	21.04	22.96		22.97	0.000034	0.22	5.61	5.98	0.07
Pagnana	valle	18	TR200_TP02H_SP	0.90	21.04	23.02		23.02	0.000016	0.15	5.94	6.16	0.05
Pagnana	valle	18	TR200_TP03H_SP	0.51	21.04	23.05		23.05	0.000005	0.08	6.11	6.26	0.03
Pagnana	valle	18	TR200_TP07H_SP	0.43	21.04	23.09		23.09	0.000003	0.07	6.41	6.42	0.02
Pagnana	valle	18	TR200_TP14H_SP	0.49	21.04	23.11		23.11	0.000004	0.08	6.51	6.47	0.02
Pagnana	valle	17.99			Lat Struct								
Pagnana	valle	17.98			Lat Struct								
Pagnana	valle	17	TR200_TP36H_SP	0.23	21.01	23.34		23.34	0.000000	0.03	8.76	7.72	0.01
Pagnana	valle	17	TR200_TP01H_SP	1.28	21.01	22.96		22.97	0.000043	0.22	5.83	7.65	0.08
Pagnana	valle	17	TR200_TP02H_SP	0.95	21.01	23.02		23.02	0.000020	0.15	6.24	7.72	0.05
Pagnana	valle	17	TR200_TP03H_SP	0.53	21.01	23.05		23.05	0.000005	0.08	6.47	7.72	0.03
Pagnana	valle	17	TR200_TP07H_SP	0.38	21.01	23.09		23.09	0.000002	0.06	6.83	7.72	0.02
Pagnana	valle	17	TR200_TP14H_SP	0.45	21.01	23.11		23.11	0.000003	0.06	6.95	7.72	0.02
Pagnana	valle	16.667*	TR200_TP36H_SP	0.23	20.99	23.34		23.34	0.000000	0.02	9.13	7.79	0.01
Pagnana	valle	16.667*	TR200_TP01H_SP	1.32	20.99	22.96		22.97	0.000038	0.21	6.16	7.59	0.08
Pagnana	valle	16.667*	TR200_TP02H_SP	1.01	20.99	23.02		23.02	0.000018	0.15	6.58	7.71	0.05
Pagnana	valle	16.667*	TR200_TP03H_SP	0.55	20.99	23.05		23.05	0.000005	0.08	6.81	7.77	0.03
Pagnana	valle	16.667*	TR200_TP07H_SP	0.32	20.99	23.09		23.09	0.000001	0.04	7.18	7.79	0.01
Pagnana	valle	16.667*	TR200_TP14H_SP	0.40	20.99	23.11		23.11	0.000002	0.05	7.29	7.79	0.02
Pagnana	valle	16.333*	TR200_TP36H_SP	0.23	20.97	23.34		23.34	0.000000	0.02	9.49	7.86	0.01
Pagnana	valle	16.333*	TR200_TP01H_SP	1.41	20.97	22.96		22.96	0.000037	0.22	6.50	7.61	0.08
Pagnana	valle	16.333*	TR200_TP02H_SP	1.10	20.97	23.02		23.02	0.000019	0.16	6.92	7.69	0.05
Pagnana	valle	16.333*	TR200_TP03H_SP	0.64	20.97	23.05		23.05	0.000006	0.09	7.15	7.73	0.03
Pagnana	valle	16.333*	TR200_TP07H_SP	0.36	20.97	23.09		23.09	0.000002	0.05	7.52	7.80	0.02
Pagnana	valle	16.333*	TR200_TP14H_SP	0.41	20.97	23.11		23.11	0.000002	0.05	7.64	7.82	0.02
Pagnana	valle	16	TR200_TP36H_SP	0.22	20.95	23.34		23.34	0.000000	0.02	9.86	7.92	0.01
Pagnana	valle	16	TR200_TP01H_SP	1.56	20.95	22.96		22.96	0.000039	0.23	6.85	7.65	0.08
Pagnana	valle	16	TR200_TP02H_SP	1.22	20.95	23.02		23.02	0.000020	0.17	7.28	7.71	0.06
Pagnana	valle	16	TR200_TP03H_SP	0.72	20.95	23.05		23.05	0.000006	0.10	7.51	7.75	0.03
Pagnana	valle	16	TR200_TP07H_SP	0.41	20.95	23.09		23.09	0.000002	0.05	7.88	7.80	0.02
Pagnana	valle	16	TR200_TP14H_SP	0.45	20.95	23.11		23.11	0.000002	0.06	8.00	7.81	0.02
Pagnana	valle	15.750*	TR200_TP36H_SP	0.21	20.94	23.34		23.34	0.000000	0.02	9.66	7.67	0.01
Pagnana	valle	15.750*	TR200_TP01H_SP	1.79	20.94	22.96		22.96	0.000052	0.27	6.73	7.35	0.09
Pagnana	valle	15.750*	TR200_TP02H_SP	1.39	20.94	23.01		23.02	0.000026	0.19	7.15	7.43	0.06
Pagnana	valle	15.750*	TR200_TP03H_SP	0.83	20.94	23.05		23.05	0.000008	0.11	7.39	7.47	0.04
Pagnana	valle	15.750*	TR200_TP07H_SP	0.48	20.94	23.09		23.09	0.000002	0.06	7.75	7.54	0.02
Pagnana	valle	15.750*	TR200_TP14H_SP	0.48	20.94	23.11		23.11	0.000002	0.06	7.86	7.56	0.02
Pagnana	valle	15.500*	TR200_TP36H_SP	0.21	20.93	23.34		23.34	0.000000	0.02	9.38	7.42	0.01
Pagnana	valle	15.500*	TR200_TP01H_SP	2.15	20.93	22.95		22.96	0.000075	0.33	6.51	7.03	0.11
Pagnana	valle	15.500*	TR200_TP02H_SP	1.60	20.93	23.01		23.01	0.000034	0.23	6.94	7.14	0.07
Pagnana	valle	15.500*	TR200_TP03H_SP	0.96	20.93	23.04		23.05	0.000011	0.13	7.17	7.20	0.04
Pagnana	valle	15.500*	TR200_TP07H_SP	0.55	20.93	23.09		23.09	0.000003	0.07	7.52	7.28	0.02
Pagnana	valle	15.500*	TR200_TP14H_SP	0.51	20.93	23.11		23.11	0.000003	0.07	7.64	7.31	0.02
Pagnana	valle	15.250*	TR200_TP36H_SP	0.20	20.92	23.34		23.34	0.000000	0.02	9.01	7.16	0.01
Pagnana	valle	15.250*	TR200_TP01H_SP	2.55	20.92	22.94		22.95	0.000123	0.41	6.19	6.67	0.14
Pagnana	valle	15.250*	TR200_TP02H_SP	1.85	20.92	23.01		23.01	0.000054	0.28	6.62	6.83	0.09
Pagnana	valle	15.250*	TR200_TP03H_SP	1.12	20.92	23.04		23.04	0.000018	0.16	6.87	6.91	0.05
Pagnana	valle	15.250*	TR200_TP07H_SP	0.61	20.92	23.09		23.09	0.000005	0.08	7.21	7.03	0.03
Pagnana	valle	15.250*	TR200_TP14H_SP	0.56	20.92	23.11		23.11	0.000004	0.08	7.32	7.07	0.02
Pagnana	valle	15	TR200_TP36H_SP	0.20	20.91	23.34		23.34	0.000000	0.02	8.54	6.91	0.01
Pagnana	valle	15	TR200_TP01H_SP	2.86	20.91	22.93		22.95	0.000185	0.49	5.78	6.23	0.16
Pagnana	valle	15	TR200_TP02H_SP	2.12	20.91	23.00		23.01	0.000084	0.34	6.21	6.47	0.11
Pagnana	valle	15	TR200_TP03H_SP	1.29	20.91	23.04		23.04	0.000028	0.20	6.47	6.61	0.06
Pagnana	valle	15	TR200_TP07H_SP	0.68	20.91	23.09		23.09	0.000007	0.10	6.81	6.79	0.03
Pagnana	valle	15	TR200_TP14H_SP	0.60	20.91	23.11		23.11	0.000005	0.09	6.91	6.84	0.03
Pagnana	valle	14.750*	TR200_TP36H_SP	0.20	20.90	23.34		23.34	0.000000	0.02	8.04	6.46	0.01
Pagnana	valle	14.750*	TR200_TP01H_SP	3.01	20.90	22.92		22.94	0.000229	0.56	5.41	5.79	0.18
Pagnana	valle	14.750*	TR200_TP02H_SP	2.22	20.90	23.00		23.00	0.000102	0.38	5.83	5.99	0.12
Pagnana	valle	14.750*	TR200_TP03H_SP	1.43	20.90	23.04		23.04	0.000038	0.24	6.09	6.11	0.08
Pagnana	valle	14.750*	TR200_TP07H_SP	0.75	20.90	23.09		23.09	0.000009	0.12	6.42	6.26	0.04

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	valle	14.750*	TR200_TP14H_SP	0.65	20.90	23.11		23.11	0.000006	0.10	6.52	6.30	0.03
Pagnana	valle	14.500*	TR200_TP36H_SP	0.20	20.88	23.34		23.34	0.000000	0.03	7.49	6.00	0.01
Pagnana	valle	14.500*	TR200_TP01H_SP	3.05	20.88	22.92		22.93	0.000266	0.61	5.02	5.11	0.20
Pagnana	valle	14.500*	TR200_TP02H_SP	2.29	20.88	22.99		23.00	0.000126	0.42	5.41	5.51	0.14
Pagnana	valle	14.500*	TR200_TP03H_SP	1.57	20.88	23.04		23.04	0.000053	0.28	5.67	5.65	0.09
Pagnana	valle	14.500*	TR200_TP07H_SP	0.83	20.88	23.09		23.09	0.000013	0.14	5.99	5.77	0.04
Pagnana	valle	14.500*	TR200_TP14H_SP	0.69	20.88	23.11		23.11	0.000008	0.11	6.08	5.80	0.04
Pagnana	valle	14.250*	TR200_TP36H_SP	0.19	20.87	23.34		23.34	0.000000	0.03	6.88	5.55	0.01
Pagnana	valle	14.250*	TR200_TP01H_SP	3.05	20.87	22.91		22.93	0.000317	0.66	4.61	4.47	0.21
Pagnana	valle	14.250*	TR200_TP02H_SP	2.24	20.87	22.99		23.00	0.000140	0.45	4.97	4.70	0.14
Pagnana	valle	14.250*	TR200_TP03H_SP	1.58	20.87	23.03		23.04	0.000064	0.30	5.20	4.98	0.09
Pagnana	valle	14.250*	TR200_TP07H_SP	0.89	20.87	23.09		23.09	0.000018	0.16	5.50	5.30	0.05
Pagnana	valle	14.250*	TR200_TP14H_SP	0.74	20.87	23.11		23.11	0.000012	0.13	5.58	5.33	0.04
Pagnana	valle	14	TR200_TP36H_SP	0.20	20.86	23.34	21.17	23.34	0.000002	0.05	4.29	5.09	0.02
Pagnana	valle	14	TR200_TP01H_SP	3.05	20.86	22.86	21.95	22.91	0.000454	0.99	3.07	3.87	0.26
Pagnana	valle	14	TR200_TP02H_SP	2.08	20.86	22.97	21.81	22.99	0.000169	0.63	3.28	4.10	0.16
Pagnana	valle	14	TR200_TP03H_SP	1.48	20.86	23.02	21.69	23.03	0.000077	0.44	3.39	4.24	0.11
Pagnana	valle	14	TR200_TP07H_SP	0.88	20.86	23.09	21.55	23.09	0.000024	0.25	3.52	4.40	0.06
Pagnana	valle	14	TR200_TP14H_SP	0.77	20.86	23.10	21.51	23.11	0.000018	0.22	3.55	4.44	0.05
Pagnana	valle	13.9		Bridge									
Pagnana	valle	13.8	TR200_TP36H_SP	0.20	20.86	23.34		23.34	0.000002	0.05	4.28	5.09	0.02
Pagnana	valle	13.8	TR200_TP01H_SP	3.05	20.86	22.84		22.89	0.000473	1.01	3.03	3.83	0.26
Pagnana	valle	13.8	TR200_TP02H_SP	2.03	20.86	22.95		22.97	0.000166	0.62	3.25	4.07	0.16
Pagnana	valle	13.8	TR200_TP03H_SP	1.40	20.86	23.01		23.02	0.000070	0.41	3.37	4.21	0.10
Pagnana	valle	13.8	TR200_TP07H_SP	0.85	20.86	23.08		23.09	0.000023	0.24	3.51	4.39	0.06
Pagnana	valle	13.8	TR200_TP14H_SP	0.77	20.86	23.10		23.10	0.000018	0.22	3.54	4.43	0.05
Pagnana	valle	13.533*	TR200_TP36H_SP	0.26	20.84	23.34		23.34	0.000001	0.04	6.90	5.40	0.01
Pagnana	valle	13.533*	TR200_TP01H_SP	3.05	20.84	22.85		22.88	0.000374	0.70	4.37	4.42	0.22
Pagnana	valle	13.533*	TR200_TP02H_SP	2.05	20.84	22.96		22.97	0.000129	0.42	4.87	4.75	0.13
Pagnana	valle	13.533*	TR200_TP03H_SP	1.40	20.84	23.01		23.02	0.000054	0.27	5.13	5.09	0.09
Pagnana	valle	13.533*	TR200_TP07H_SP	0.85	20.84	23.08		23.08	0.000017	0.15	5.51	5.40	0.05
Pagnana	valle	13.533*	TR200_TP14H_SP	0.77	20.84	23.10		23.10	0.000013	0.14	5.60	5.40	0.04
Pagnana	valle	13.267*	TR200_TP36H_SP	0.33	20.83	23.34		23.34	0.000001	0.04	7.56	5.70	0.01
Pagnana	valle	13.267*	TR200_TP01H_SP	3.05	20.83	22.85		22.87	0.000327	0.64	4.75	5.17	0.21
Pagnana	valle	13.267*	TR200_TP02H_SP	2.06	20.83	22.96		22.96	0.000113	0.38	5.36	5.70	0.13
Pagnana	valle	13.267*	TR200_TP03H_SP	1.45	20.83	23.01		23.02	0.000047	0.25	5.68	5.70	0.08
Pagnana	valle	13.267*	TR200_TP07H_SP	0.99	20.83	23.08		23.08	0.000018	0.16	6.08	5.70	0.05
Pagnana	valle	13.267*	TR200_TP14H_SP	0.94	20.83	23.10		23.10	0.000015	0.15	6.18	5.70	0.05
Pagnana	valle	13	TR200_TP36H_SP	0.41	20.82	23.34		23.34	0.000001	0.05	8.21	6.01	0.01
Pagnana	valle	13	TR200_TP01H_SP	3.05	20.82	22.84		22.86	0.000300	0.59	5.19	6.01	0.20
Pagnana	valle	13	TR200_TP02H_SP	2.38	20.82	22.95		22.96	0.000126	0.41	5.86	6.01	0.13
Pagnana	valle	13	TR200_TP03H_SP	1.89	20.82	23.01		23.01	0.000067	0.30	6.20	6.01	0.10
Pagnana	valle	13	TR200_TP07H_SP	1.42	20.82	23.08		23.08	0.000031	0.21	6.63	6.01	0.07
Pagnana	valle	13	TR200_TP14H_SP	1.33	20.82	23.10		23.10	0.000026	0.20	6.74	6.01	0.06
Pagnana	valle	12.833*	TR200_TP36H_SP	0.48	20.81	23.34		23.34	0.000002	0.06	8.23	6.16	0.02
Pagnana	valle	12.833*	TR200_TP01H_SP	3.10	20.81	22.83		22.85	0.000329	0.61	5.09	6.04	0.21
Pagnana	valle	12.833*	TR200_TP02H_SP	2.97	20.81	22.94		22.95	0.000212	0.52	5.73	6.16	0.17
Pagnana	valle	12.833*	TR200_TP03H_SP	2.64	20.81	23.00		23.01	0.000139	0.43	6.09	6.16	0.14
Pagnana	valle	12.833*	TR200_TP07H_SP	2.04	20.81	23.07		23.08	0.000066	0.31	6.57	6.16	0.10
Pagnana	valle	12.833*	TR200_TP14H_SP	1.87	20.81	23.09		23.10	0.000053	0.28	6.69	6.16	0.09
Pagnana	valle	12.667*	TR200_TP36H_SP	0.56	20.81	23.34		23.34	0.000003	0.07	8.22	6.32	0.02
Pagnana	valle	12.667*	TR200_TP01H_SP	3.12	20.81	22.82		22.84	0.000352	0.63	4.96	5.92	0.22
Pagnana	valle	12.667*	TR200_TP02H_SP	3.35	20.81	22.92		22.94	0.000299	0.60	5.57	6.32	0.20
Pagnana	valle	12.667*	TR200_TP03H_SP	3.28	20.81	22.98		23.00	0.000237	0.55	5.93	6.32	0.18
Pagnana	valle	12.667*	TR200_TP07H_SP	2.82	20.81	23.06		23.07	0.000136	0.44	6.44	6.32	0.14
Pagnana	valle	12.667*	TR200_TP14H_SP	2.61	20.81	23.08		23.09	0.000110	0.40	6.58	6.32	0.12
Pagnana	valle	12.500*	TR200_TP36H_SP	0.66	20.80	23.34		23.34	0.000004	0.08	8.18	6.47	0.02
Pagnana	valle	12.500*	TR200_TP01H_SP	3.13	20.80	22.82		22.84	0.000370	0.65	4.83	5.61	0.22
Pagnana	valle	12.500*	TR200_TP02H_SP	3.42	20.80	22.91		22.93	0.000340	0.63	5.42	6.30	0.22
Pagnana	valle	12.500*	TR200_TP03H_SP	3.47	20.80	22.97		22.99	0.000292	0.60	5.78	6.47	0.20
Pagnana	valle	12.500*	TR200_TP07H_SP	3.28	20.80	23.05		23.06	0.000201	0.52	6.29	6.47	0.17
Pagnana	valle	12.500*	TR200_TP14H_SP	3.15	20.80	23.07		23.08	0.000173	0.49	6.43	6.47	0.16
Pagnana	valle	12.333*	TR200_TP36H_SP	0.78	20.79	23.34		23.34	0.000005	0.10	8.12	6.63	0.03
Pagnana	valle	12.333*	TR200_TP01H_SP	3.13	20.79	22.81		22.83	0.000379	0.67	4.71	5.24	0.22
Pagnana	valle	12.333*	TR200_TP02H_SP	3.45	20.79	22.90		22.93	0.000362	0.66	5.26	5.94	0.22
Pagnana	valle	12.333*	TR200_TP03H_SP	3.56	20.79	22.96		22.98	0.000334	0.64	5.60	6.35	0.22
Pagnana	valle	12.333*	TR200_TP07H_SP	3.55	20.79	23.04		23.06	0.000263	0.58	6.11	6.62	0.19
Pagnana	valle	12.333*	TR200_TP14H_SP	3.49	20.79	23.06		23.08	0.000238	0.56	6.25	6.63	0.18
Pagnana	valle	12.167*	TR200_TP36H_SP	0.90	20.79	23.34		23.34	0.000008	0.11	8.02	6.78	0.03
Pagnana	valle	12.167*	TR200_TP01H_SP	3.13	20.79	22.80		22.82	0.000384	0.68	4.62	4.90	0.22
Pagnana	valle	12.167*	TR200_TP02H_SP	3.47	20.79	22.90		22.92	0.000375	0.68	5.13	5.52	0.22
Pagnana	valle	12.167*	TR200_TP03H_SP	3.63	20.79	22.95		22.97	0.000361	0.67	5.44	5.92	0.22
Pagnana	valle	12.167*	TR200_TP07H_SP	3.74	20.79	23.03		23.05	0.000315	0.63	5.92	6.42	0.21
Pagnana	valle	12.167*	TR200_TP14H_SP	3.73	20.79	23.05		23.07	0.000295	0.62	6.06	6.49	0.20
Pagnana	valle	12	TR200_TP36H_SP	1.04	20.78	23.34		23.34	0.000011	0.13	7.90	6.94	0.04
Pagnana	valle	12	TR200_TP01H_SP	3.13	20.78	22.79		22.81	0.000395	0.69	4.54	4.68	0.22
Pagnana	valle	12	TR200_TP02H_SP	3.47	20.78	22.89		22.91	0.000385	0.69	5.03	5.20	0.22
Pagnana	valle	12	TR200_TP03H_SP	3.65	20.78	22.94		22.97	0.000374	0.69	5.31	5.49	0.22
Pagnana	valle	12	TR200_TP07H_SP	3.86	20.78	23.02		23.04	0.000351	0.67	5.75	6.00	0.22
Pagnana	valle	12	TR200_TP14H_SP	3.88	20.78	23.04		23.06	0.000340	0.66	5.87	6.16	0.22
Pagnana	valle	11.500*	TR200_TP36H_SP	1.18	20.75	23.34		23.34	0.000015	0.16	7.54	6.97	0.05
Pagnana	valle	11.500*	TR200_TP01H_SP	3.13	20.75	22.78		22.81	0.000378	0.70	4.47	4.53	0.23
Pagnana	valle	11.500*	TR200_TP02H_SP	3.47	20.75	22.88		22.90	0.000361	0.70	4.93	4.83	0.22
Pagnana	valle	11.500*	TR200_TP03H_SP	3.66	20.75	22.93		22.96	0.000349	0.70	5.20	4.99	0.22
Pagnana	valle	11.500*	TR200_TP07H_SP	3.89	20.75	23.01		23.03	0.000327	0.70	5.58	5.18	0.21
Pagnana	valle	11.500*	TR200_TP14H_SP	3.93	20.75	23.03		23.05	0.000317	0.69	5.69	5.22	0.21

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	valle	11	TR200_TP36H_SP	1.21	20.73	23.33	21.56	23.34	0.000040	0.37	3.27	5.67	0.08
Pagnana	valle	11	TR200_TP01H_SP	1.95	20.73	22.69	21.71	22.73	0.000334	0.84	2.30	4.15	0.22
Pagnana	valle	11	TR200_TP02H_SP	3.47	20.73	22.77	21.97	22.87	0.000896	1.43	2.43	4.33	0.36
Pagnana	valle	11	TR200_TP03H_SP	3.66	20.73	22.82	22.00	22.93	0.000898	1.46	2.50	4.43	0.36
Pagnana	valle	11	TR200_TP07H_SP	3.89	20.73	22.89	22.03	23.00	0.000886	1.49	2.61	4.66	0.36
Pagnana	valle	11	TR200_TP14H_SP	3.93	20.73	22.91	22.04	23.02	0.000870	1.49	2.64	4.74	0.36
Pagnana	valle	10.9		Bridge									
Pagnana	valle	10.8	TR200_TP36H_SP	1.21	20.73	23.31		23.32	0.000042	0.37	3.24	5.64	0.08
Pagnana	valle	10.8	TR200_TP01H_SP	1.92	20.73	22.67		22.70	0.000341	0.84	2.27	4.11	0.22
Pagnana	valle	10.8	TR200_TP02H_SP	3.47	20.73	22.68		22.80	0.001080	1.51	2.29	4.14	0.39
Pagnana	valle	10.8	TR200_TP03H_SP	3.65	20.73	22.72		22.85	0.001095	1.55	2.36	4.23	0.40
Pagnana	valle	10.8	TR200_TP07H_SP	3.89	20.73	22.78		22.91	0.001111	1.60	2.44	4.34	0.40
Pagnana	valle	10.8	TR200_TP14H_SP	3.62	20.73	22.79		22.90	0.000930	1.47	2.46	4.37	0.37
Pagnana	valle	10.400*	TR200_TP36H_SP	1.21	20.72	23.32		23.32	0.000017	0.16	7.61	7.56	0.05
Pagnana	valle	10.400*	TR200_TP01H_SP	2.33	20.72	22.66		22.68	0.000280	0.58	4.04	4.36	0.19
Pagnana	valle	10.400*	TR200_TP02H_SP	3.47	20.72	22.72		22.75	0.000538	0.81	4.27	4.54	0.27
Pagnana	valle	10.400*	TR200_TP03H_SP	3.66	20.72	22.76		22.79	0.000529	0.82	4.48	4.68	0.27
Pagnana	valle	10.400*	TR200_TP07H_SP	3.89	20.72	22.82		22.85	0.000514	0.82	4.75	4.85	0.26
Pagnana	valle	10.400*	TR200_TP14H_SP	3.93	20.72	22.83		22.86	0.000512	0.82	4.79	4.88	0.26
Pagnana	valle	10	TR200_TP36H_SP	0.93	20.71	23.32		23.32	0.000008	0.11	8.24	7.55	0.03
Pagnana	valle	10	TR200_TP01H_SP	2.72	20.71	22.64		22.67	0.000410	0.67	4.05	4.39	0.22
Pagnana	valle	10	TR200_TP02H_SP	3.47	20.71	22.71		22.74	0.000567	0.80	4.32	4.65	0.27
Pagnana	valle	10	TR200_TP03H_SP	3.66	20.71	22.75		22.78	0.000558	0.81	4.53	4.83	0.27
Pagnana	valle	10	TR200_TP07H_SP	3.89	20.71	22.81		22.84	0.000544	0.81	4.81	5.06	0.26
Pagnana	valle	10	TR200_TP14H_SP	3.93	20.71	22.82		22.85	0.000542	0.81	4.86	5.10	0.26
Pagnana	valle	9.6667*	TR200_TP36H_SP	0.28	20.70	23.32		23.32	0.000001	0.03	8.56	7.76	0.01
Pagnana	valle	9.6667*	TR200_TP01H_SP	3.18	20.70	22.62		22.65	0.000513	0.76	4.17	4.56	0.25
Pagnana	valle	9.6667*	TR200_TP02H_SP	3.47	20.70	22.69		22.72	0.000494	0.77	4.54	4.83	0.25
Pagnana	valle	9.6667*	TR200_TP03H_SP	3.66	20.70	22.74		22.77	0.000485	0.77	4.76	5.01	0.25
Pagnana	valle	9.6667*	TR200_TP07H_SP	3.89	20.70	22.80		22.83	0.000472	0.77	5.05	5.22	0.25
Pagnana	valle	9.6667*	TR200_TP14H_SP	3.93	20.70	22.81		22.84	0.000470	0.77	5.10	5.26	0.25
Pagnana	valle	9.3333*	TR200_TP36H_SP	0.06	20.69	23.32		23.32	0.000000	0.01	8.88	7.97	0.00
Pagnana	valle	9.3333*	TR200_TP01H_SP	3.18	20.69	22.61		22.63	0.000447	0.72	4.39	4.77	0.24
Pagnana	valle	9.3333*	TR200_TP02H_SP	3.47	20.69	22.69		22.71	0.000430	0.73	4.77	5.04	0.24
Pagnana	valle	9.3333*	TR200_TP03H_SP	3.66	20.69	22.73		22.76	0.000421	0.73	5.00	5.20	0.24
Pagnana	valle	9.3333*	TR200_TP07H_SP	3.89	20.69	22.79		22.81	0.000410	0.73	5.30	5.42	0.24
Pagnana	valle	9.3333*	TR200_TP14H_SP	3.93	20.69	22.80		22.82	0.000408	0.73	5.36	5.46	0.24
Pagnana	valle	9	TR200_TP36H_SP	0.05	20.68	23.32		23.32	0.000000	0.01	9.21	8.02	0.00
Pagnana	valle	9	TR200_TP01H_SP	3.18	20.68	22.60		22.62	0.000391	0.69	4.62	4.99	0.23
Pagnana	valle	9	TR200_TP02H_SP	3.47	20.68	22.68		22.70	0.000375	0.69	5.02	5.25	0.23
Pagnana	valle	9	TR200_TP03H_SP	3.65	20.68	22.72		22.75	0.000367	0.69	5.26	5.40	0.22
Pagnana	valle	9	TR200_TP07H_SP	3.89	20.68	22.78		22.80	0.000357	0.70	5.58	5.60	0.22
Pagnana	valle	9	TR200_TP14H_SP	3.93	20.68	22.79		22.81	0.000355	0.70	5.63	5.63	0.22
Pagnana	valle	8.7500*	TR200_TP36H_SP	0.04	20.67	23.32		23.32	0.000000	0.00	9.12	8.14	0.00
Pagnana	valle	8.7500*	TR200_TP01H_SP	3.17	20.67	22.59		22.61	0.000403	0.70	4.54	4.85	0.23
Pagnana	valle	8.7500*	TR200_TP02H_SP	3.47	20.67	22.67		22.69	0.000385	0.70	4.93	5.06	0.23
Pagnana	valle	8.7500*	TR200_TP03H_SP	3.66	20.67	22.71		22.74	0.000379	0.71	5.16	5.22	0.23
Pagnana	valle	8.7500*	TR200_TP07H_SP	3.89	20.67	22.77		22.80	0.000370	0.71	5.47	5.43	0.23
Pagnana	valle	8.7500*	TR200_TP14H_SP	3.93	20.67	22.78		22.81	0.000368	0.71	5.52	5.47	0.23
Pagnana	valle	8.5000*	TR200_TP36H_SP	0.02	20.67	23.32		23.32	0.000000	0.00	9.00	8.19	0.00
Pagnana	valle	8.5000*	TR200_TP01H_SP	3.17	20.67	22.58		22.61	0.000415	0.71	4.47	4.71	0.23
Pagnana	valle	8.5000*	TR200_TP02H_SP	3.47	20.67	22.66		22.69	0.000399	0.72	4.84	4.92	0.23
Pagnana	valle	8.5000*	TR200_TP03H_SP	3.65	20.67	22.71		22.73	0.000390	0.72	5.07	5.04	0.23
Pagnana	valle	8.5000*	TR200_TP07H_SP	3.89	20.67	22.76		22.79	0.000381	0.72	5.37	5.22	0.23
Pagnana	valle	8.5000*	TR200_TP14H_SP	3.93	20.67	22.77		22.80	0.000380	0.73	5.42	5.26	0.23
Pagnana	valle	8.2500*	TR200_TP36H_SP	0.01	20.66	23.32		23.32	0.000000	0.00	8.86	8.13	0.00
Pagnana	valle	8.2500*	TR200_TP01H_SP	3.17	20.66	22.57		22.60	0.000426	0.72	4.41	4.58	0.23
Pagnana	valle	8.2500*	TR200_TP02H_SP	3.47	20.66	22.65		22.68	0.000410	0.73	4.77	4.77	0.23
Pagnana	valle	8.2500*	TR200_TP03H_SP	3.65	20.66	22.70		22.72	0.000402	0.73	4.99	4.89	0.23
Pagnana	valle	8.2500*	TR200_TP07H_SP	3.89	20.66	22.75		22.78	0.000392	0.74	5.28	5.03	0.23
Pagnana	valle	8.2500*	TR200_TP14H_SP	3.93	20.66	22.76		22.79	0.000390	0.74	5.33	5.06	0.23
Pagnana	valle	8	TR200_TP36H_SP	0.00	20.65	23.32		23.32	0.000000	0.00	8.72	7.87	0.00
Pagnana	valle	8	TR200_TP01H_SP	3.17	20.65	22.56		22.59	0.000439	0.73	4.35	4.47	0.24
Pagnana	valle	8	TR200_TP02H_SP	3.47	20.65	22.64		22.67	0.000423	0.74	4.71	4.65	0.23
Pagnana	valle	8	TR200_TP03H_SP	3.65	20.65	22.69		22.71	0.000414	0.74	4.92	4.75	0.23
Pagnana	valle	8	TR200_TP07H_SP	3.89	20.65	22.74		22.77	0.000404	0.75	5.20	4.87	0.23
Pagnana	valle	8	TR200_TP14H_SP	3.93	20.65	22.75		22.78	0.000402	0.75	5.25	4.90	0.23
Pagnana	valle	7.5000*	TR200_TP36H_SP	0.00	20.63	23.32		23.32	0.000000	0.00	8.63	7.05	0.00
Pagnana	valle	7.5000*	TR200_TP01H_SP	3.17	20.63	22.55		22.58	0.000388	0.72	4.39	4.41	0.23
Pagnana	valle	7.5000*	TR200_TP02H_SP	3.47	20.63	22.63		22.66	0.000379	0.73	4.75	4.62	0.23
Pagnana	valle	7.5000*	TR200_TP03H_SP	3.65	20.63	22.68		22.71	0.000374	0.74	4.97	4.75	0.23
Pagnana	valle	7.5000*	TR200_TP07H_SP	3.89	20.63	22.74		22.76	0.000367	0.74	5.25	4.91	0.23
Pagnana	valle	7.5000*	TR200_TP14H_SP	3.93	20.63	22.75		22.77	0.000366	0.74	5.29	4.93	0.23
Pagnana	valle	7	TR200_TP36H_SP	0.00	20.62	23.32	20.63	23.32	0.000000	0.00	4.67	6.39	0.00
Pagnana	valle	7	TR200_TP01H_SP	3.17	20.62	22.51	21.64	22.56	0.000452	1.05	3.03	4.24	0.27
Pagnana	valle	7	TR200_TP02H_SP	3.47	20.62	22.58	21.68	22.64	0.000461	1.09	3.17	4.39	0.28
Pagnana	valle	7	TR200_TP03H_SP	3.65	20.62	22.62	21.70	22.69	0.000467	1.12	3.26	4.47	0.28
Pagnana	valle	7	TR200_TP07H_SP	3.89	20.62	22.68	21.73	22.74	0.000474	1.15	3.37	4.58	0.29
Pagnana	valle	7	TR200_TP14H_SP	3.93	20.62	22.69	21.74	22.75	0.000475	1.16	3.39	4.59	0.29
Pagnana	valle	6.8		Bridge									
Pagnana	valle	6.5	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	4.67	6.39	0.00
Pagnana	valle	6.5	TR200_TP01H_SP	3.17	20.62	22.47		22.53	0.000489	1.07	2.95	4.17	0.28
Pagnana	valle	6.5	TR200_TP02H_SP	3.47	20.62	22.54		22.60	0.000504	1.12	3.09	4.30	0.29
Pagnana	valle	6.5	TR200_TP03H_SP	3.65	20.62	22.58		22.64	0.000514	1.15	3.17	4.38	0.29
Pagnana	valle	6.5	TR200_TP07H_SP	3.89	20.62	22.62		22.70	0.000527	1.19	3.26	4.47	0.30

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	valle	6.5	TR200_TP14H_SP	3.93	20.62	22.63		22.71	0.000530	1.20	3.28	4.49	0.30
Pagnana	valle	6.2500*	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	7.41	6.14	0.00
Pagnana	valle	6.2500*	TR200_TP01H_SP	3.17	20.62	22.47		22.51	0.000736	0.91	3.49	3.65	0.30
Pagnana	valle	6.2500*	TR200_TP02H_SP	3.47	20.62	22.54		22.58	0.000727	0.92	3.75	3.80	0.30
Pagnana	valle	6.2500*	TR200_TP03H_SP	3.65	20.62	22.58		22.62	0.000724	0.94	3.91	3.88	0.30
Pagnana	valle	6.2500*	TR200_TP07H_SP	3.89	20.62	22.63		22.68	0.000720	0.95	4.10	3.99	0.30
Pagnana	valle	6.2500*	TR200_TP14H_SP	3.93	20.62	22.64		22.68	0.000719	0.95	4.14	4.00	0.30
Pagnana	valle	6	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	6.48	5.74	0.00
Pagnana	valle	6	TR200_TP01H_SP	3.17	20.62	22.43		22.49	0.001233	1.06	2.98	2.99	0.34
Pagnana	valle	6	TR200_TP02H_SP	3.47	20.62	22.50		22.56	0.001231	1.09	3.19	3.11	0.34
Pagnana	valle	6	TR200_TP03H_SP	3.65	20.62	22.54		22.60	0.001231	1.10	3.32	3.18	0.34
Pagnana	valle	6	TR200_TP07H_SP	3.89	20.62	22.59		22.65	0.001232	1.12	3.47	3.27	0.35
Pagnana	valle	6	TR200_TP14H_SP	3.93	20.62	22.60		22.66	0.001231	1.12	3.50	3.29	0.35
Pagnana	valle	5.6667*	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	6.32	6.00	0.00
Pagnana	valle	5.6667*	TR200_TP01H_SP	3.17	20.62	22.39		22.46	0.001552	1.16	2.73	2.83	0.38
Pagnana	valle	5.6667*	TR200_TP02H_SP	3.47	20.62	22.46		22.53	0.001541	1.19	2.93	2.96	0.38
Pagnana	valle	5.6667*	TR200_TP03H_SP	3.65	20.62	22.50		22.57	0.001537	1.20	3.05	3.04	0.38
Pagnana	valle	5.6667*	TR200_TP07H_SP	3.89	20.62	22.54		22.62	0.001532	1.22	3.20	3.13	0.38
Pagnana	valle	5.6667*	TR200_TP14H_SP	3.93	20.62	22.55		22.63	0.001531	1.22	3.22	3.14	0.38
Pagnana	valle	5.3333*	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	6.17	6.10	0.00
Pagnana	valle	5.3333*	TR200_TP01H_SP	3.17	20.62	22.33		22.41	0.002108	1.29	2.45	2.64	0.43
Pagnana	valle	5.3333*	TR200_TP02H_SP	3.47	20.62	22.40		22.49	0.002080	1.32	2.63	2.77	0.43
Pagnana	valle	5.3333*	TR200_TP03H_SP	3.65	20.62	22.44		22.53	0.002066	1.33	2.75	2.85	0.43
Pagnana	valle	5.3333*	TR200_TP07H_SP	3.89	20.62	22.49		22.58	0.002048	1.35	2.89	2.94	0.43
Pagnana	valle	5.3333*	TR200_TP14H_SP	3.93	20.62	22.49		22.59	0.002044	1.35	2.91	2.96	0.43
Pagnana	valle	5	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	6.02	6.20	0.00
Pagnana	valle	5	TR200_TP01H_SP	3.16	20.62	22.24		22.35	0.003258	1.50	2.11	2.37	0.51
Pagnana	valle	5	TR200_TP02H_SP	3.47	20.62	22.31		22.43	0.003185	1.52	2.28	2.51	0.51
Pagnana	valle	5	TR200_TP03H_SP	3.65	20.62	22.35		22.47	0.003145	1.53	2.38	2.59	0.51
Pagnana	valle	5	TR200_TP07H_SP	3.89	20.62	22.40		22.52	0.003088	1.55	2.51	2.69	0.51
Pagnana	valle	5	TR200_TP14H_SP	3.93	20.62	22.41		22.53	0.003079	1.55	2.54	2.71	0.51
Pagnana	valle	4	TR200_TP36H_SP	0.00	20.63	23.32	20.64	23.32	0.000000	0.00	12.95	6.17	0.00
Pagnana	valle	4	TR200_TP01H_SP	3.16	20.63	22.23	21.47	22.24	0.000174	0.50	6.29	6.08	0.16
Pagnana	valle	4	TR200_TP02H_SP	3.47	20.63	22.30	21.49	22.32	0.000171	0.52	6.73	6.08	0.16
Pagnana	valle	4	TR200_TP03H_SP	3.65	20.63	22.34	21.51	22.36	0.000170	0.52	6.98	6.09	0.16
Pagnana	valle	4	TR200_TP07H_SP	3.89	20.63	22.39	21.53	22.41	0.000170	0.53	7.29	6.09	0.16
Pagnana	valle	4	TR200_TP14H_SP	3.93	20.63	22.40	21.53	22.42	0.000169	0.54	7.34	6.09	0.16
Pagnana	valle	3.9		Bridge									
Pagnana	valle	3.8	TR200_TP36H_SP	0.00	20.63	23.32		23.32	0.000000	0.00	12.95	6.17	0.00
Pagnana	valle	3.8	TR200_TP01H_SP	3.16	20.63	22.23		22.24	0.000176	0.50	6.27	6.08	0.16
Pagnana	valle	3.8	TR200_TP02H_SP	3.47	20.63	22.30		22.31	0.000173	0.52	6.71	6.08	0.16
Pagnana	valle	3.8	TR200_TP03H_SP	3.65	20.63	22.34		22.35	0.000172	0.53	6.96	6.09	0.16
Pagnana	valle	3.8	TR200_TP07H_SP	3.89	20.63	22.39		22.41	0.000171	0.53	7.27	6.09	0.16
Pagnana	valle	3.8	TR200_TP14H_SP	3.93	20.63	22.40		22.41	0.000171	0.54	7.33	6.09	0.16
Pagnana	valle	3.5	TR200_TP36H_SP	0.00	20.62	23.32		23.32	0.000000	0.00	7.80	7.17	0.00
Pagnana	valle	3.5	TR200_TP01H_SP	3.16	20.62	22.17		22.24	0.001185	1.10	2.87	2.85	0.35
Pagnana	valle	3.5	TR200_TP02H_SP	3.47	20.62	22.24		22.31	0.001189	1.13	3.07	2.94	0.35
Pagnana	valle	3.5	TR200_TP03H_SP	3.65	20.62	22.28		22.35	0.001192	1.15	3.19	3.00	0.35
Pagnana	valle	3.5	TR200_TP07H_SP	3.89	20.62	22.33		22.40	0.001194	1.16	3.34	3.06	0.36
Pagnana	valle	3.5	TR200_TP14H_SP	3.93	20.62	22.34		22.41	0.001195	1.17	3.36	3.07	0.36
Pagnana	valle	3.4	TR200_TP36H_SP	0.00	20.61	23.32	20.62	23.32	0.000000	0.00	5.00	2.77	0.00
Pagnana	valle	3.4	TR200_TP01H_SP	3.16	20.61	22.16	21.45	22.23	0.000557	1.18	2.68	2.58	0.33
Pagnana	valle	3.4	TR200_TP02H_SP	3.47	20.61	22.22	21.49	22.30	0.000572	1.24	2.81	2.60	0.33
Pagnana	valle	3.4	TR200_TP03H_SP	3.65	20.61	22.26	21.52	22.34	0.000582	1.27	2.88	2.60	0.34
Pagnana	valle	3.4	TR200_TP07H_SP	3.89	20.61	22.31	21.55	22.39	0.000594	1.31	2.97	2.61	0.34
Pagnana	valle	3.4	TR200_TP14H_SP	3.93	20.61	22.31	21.55	22.40	0.000596	1.31	2.99	2.61	0.34
Pagnana	valle	3.3		Bridge									
Pagnana	valle	3.2	TR200_TP36H_SP	0.00	20.61	23.32		23.32	0.000000	0.00	5.00	2.77	0.00
Pagnana	valle	3.2	TR200_TP01H_SP	3.16	20.61	22.13		22.20	0.000600	1.21	2.62	2.58	0.34
Pagnana	valle	3.2	TR200_TP02H_SP	3.47	20.61	22.19		22.27	0.000620	1.27	2.74	2.59	0.35
Pagnana	valle	3.2	TR200_TP03H_SP	3.65	20.61	22.23		22.31	0.000633	1.30	2.81	2.60	0.35
Pagnana	valle	3.2	TR200_TP07H_SP	3.89	20.61	22.27		22.36	0.000648	1.34	2.90	2.60	0.36
Pagnana	valle	3.2	TR200_TP14H_SP	3.93	20.61	22.28		22.37	0.000651	1.35	2.91	2.60	0.36
Pagnana	valle	3.1000*	TR200_TP36H_SP	0.00	20.59	23.32		23.32	0.000000	0.00	8.30	4.78	0.00
Pagnana	valle	3.1000*	TR200_TP01H_SP	3.16	20.59	22.13		22.18	0.000788	0.94	3.37	3.90	0.32
Pagnana	valle	3.1000*	TR200_TP02H_SP	3.47	20.59	22.20		22.25	0.000769	0.96	3.63	3.93	0.32
Pagnana	valle	3.1000*	TR200_TP03H_SP	3.65	20.59	22.24		22.29	0.000761	0.97	3.78	3.95	0.32
Pagnana	valle	3.1000*	TR200_TP07H_SP	3.89	20.59	22.28		22.33	0.000755	0.98	3.96	3.97	0.31
Pagnana	valle	3.1000*	TR200_TP14H_SP	3.93	20.59	22.29		22.34	0.000754	0.99	3.99	3.97	0.31
Pagnana	valle	3	TR200_TP36H_SP	0.00	20.56	23.32		23.32	0.000000	0.00	9.04	6.03	0.00
Pagnana	valle	3	TR200_TP01H_SP	3.16	20.56	22.11		22.16	0.000898	0.99	3.21	3.55	0.33
Pagnana	valle	3	TR200_TP02H_SP	3.47	20.56	22.17		22.22	0.000893	1.01	3.44	3.67	0.33
Pagnana	valle	3	TR200_TP03H_SP	3.65	20.56	22.21		22.26	0.000891	1.02	3.58	3.74	0.33
Pagnana	valle	3	TR200_TP07H_SP	3.89	20.56	22.25		22.31	0.000889	1.04	3.75	3.82	0.33
Pagnana	valle	3	TR200_TP14H_SP	3.93	20.56	22.26		22.32	0.000888	1.04	3.78	3.83	0.33
Pagnana	valle	2.5000*	TR200_TP36H_SP	0.00	20.52	23.32		23.32	0.000000	0.00	10.07	7.26	0.00
Pagnana	valle	2.5000*	TR200_TP01H_SP	3.16	20.52	22.09		22.14	0.000832	0.96	3.30	3.93	0.33
Pagnana	valle	2.5000*	TR200_TP02H_SP	3.47	20.52	22.16		22.21	0.000815	0.97	3.56	4.09	0.33
Pagnana	valle	2.5000*	TR200_TP03H_SP	3.65	20.52	22.20		22.25	0.000806	0.98	3.72	4.17	0.33
Pagnana	valle	2.5000*	TR200_TP07H_SP	3.89	20.52	22.24		22.29	0.000797	0.99	3.91	4.28	0.33
Pagnana	valle	2.5000*	TR200_TP14H_SP	3.93	20.52	22.25		22.30	0.000795	1.00	3.94	4.30	0.33
Pagnana	valle	2	TR200_TP36H_SP	0.00	20.49	23.32	20.49	23.32	0.000000	0.00	10.52	7.83	0.00
Pagnana	valle	2	TR200_TP01H_SP	3.16	20.49	22.08	21.53	22.13	0.000931	0.98	3.22	4.02	0.35
Pagnana	valle	2	TR200_TP02H_SP	3.47	20.49	22.14	21.57	22.20	0.000904	0.99	3.49	4.21	0.35
Pagnana	valle	2	TR200_TP03H_SP	3.65	20.49	22.18	21.59	22.23	0.000889	1.00	3.65	4.32	0.35

HEC-RAS Profile: Max WS (Continued)

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
Pagnana	valle	2	TR200_TP07H_SP	3.89	20.49	22.23	21.61	22.28	0.000872	1.01	3.86	4.45	0.35
Pagnana	valle	2	TR200_TP14H_SP	3.93	20.49	22.24	21.62	22.29	0.000868	1.01	3.89	4.47	0.35
Pagnana	valle	1.9		Bridge									
Pagnana	valle	1.8	TR200_TP36H_SP	0.00	20.49	23.32		23.32	0.000000	0.00	10.52	7.83	0.00
Pagnana	valle	1.8	TR200_TP01H_SP	3.16	20.49	22.07		22.12	0.000966	1.00	3.17	3.99	0.36
Pagnana	valle	1.8	TR200_TP02H_SP	3.47	20.49	22.13		22.19	0.000936	1.01	3.45	4.18	0.35
Pagnana	valle	1.8	TR200_TP03H_SP	3.65	20.49	22.17		22.22	0.000919	1.01	3.61	4.29	0.35
Pagnana	valle	1.8	TR200_TP07H_SP	3.89	20.49	22.22		22.27	0.000900	1.02	3.81	4.42	0.35
Pagnana	valle	1.8	TR200_TP14H_SP	3.93	20.49	22.23		22.28	0.000896	1.02	3.85	4.44	0.35
Pagnana	valle	1.6000*	TR200_TP36H_SP	0.00	20.43	23.32		23.32	0.000000	0.00	10.80	7.85	0.00
Pagnana	valle	1.6000*	TR200_TP01H_SP	3.16	20.43	22.05		22.10	0.000785	0.93	3.38	4.03	0.33
Pagnana	valle	1.6000*	TR200_TP02H_SP	3.47	20.43	22.12		22.17	0.000768	0.95	3.66	4.21	0.32
Pagnana	valle	1.6000*	TR200_TP03H_SP	3.65	20.43	22.16		22.20	0.000758	0.96	3.82	4.30	0.32
Pagnana	valle	1.6000*	TR200_TP07H_SP	3.89	20.43	22.20		22.25	0.000747	0.97	4.03	4.42	0.32
Pagnana	valle	1.6000*	TR200_TP14H_SP	3.93	20.43	22.21		22.26	0.000745	0.97	4.06	4.44	0.32
Pagnana	valle	1.4000*	TR200_TP36H_SP	0.00	20.37	23.32		23.32	0.000000	0.00	11.07	7.74	0.00
Pagnana	valle	1.4000*	TR200_TP01H_SP	3.16	20.37	22.04		22.08	0.000648	0.87	3.62	4.12	0.30
Pagnana	valle	1.4000*	TR200_TP02H_SP	3.47	20.37	22.11		22.15	0.000639	0.89	3.90	4.28	0.30
Pagnana	valle	1.4000*	TR200_TP03H_SP	3.65	20.37	22.15		22.19	0.000634	0.90	4.07	4.37	0.30
Pagnana	valle	1.4000*	TR200_TP07H_SP	3.89	20.37	22.19		22.24	0.000628	0.91	4.28	4.48	0.30
Pagnana	valle	1.4000*	TR200_TP14H_SP	3.93	20.37	22.20		22.24	0.000627	0.91	4.31	4.50	0.30
Pagnana	valle	1.2000*	TR200_TP36H_SP	0.00	20.31	23.32		23.32	0.000000	0.00	11.34	7.75	0.00
Pagnana	valle	1.2000*	TR200_TP01H_SP	3.16	20.31	22.03		22.07	0.000545	0.82	3.87	4.22	0.27
Pagnana	valle	1.2000*	TR200_TP02H_SP	3.47	20.31	22.10		22.13	0.000541	0.83	4.17	4.37	0.27
Pagnana	valle	1.2000*	TR200_TP03H_SP	3.65	20.31	22.14		22.17	0.000538	0.84	4.33	4.45	0.27
Pagnana	valle	1.2000*	TR200_TP07H_SP	3.89	20.31	22.18		22.22	0.000535	0.86	4.55	4.55	0.27
Pagnana	valle	1.2000*	TR200_TP14H_SP	3.93	20.31	22.19		22.23	0.000535	0.86	4.58	4.57	0.27
Pagnana	valle	1	TR200_TP36H_SP	0.00	20.25	23.32		23.32	0.000000	0.00	11.63	7.72	0.00
Pagnana	valle	1	TR200_TP01H_SP	3.16	20.25	22.02		22.05	0.000465	0.76	4.14	4.34	0.25
Pagnana	valle	1	TR200_TP02H_SP	3.47	20.25	22.09		22.12	0.000463	0.78	4.44	4.47	0.25
Pagnana	valle	1	TR200_TP03H_SP	3.65	20.25	22.13		22.16	0.000463	0.79	4.62	4.54	0.25
Pagnana	valle	1	TR200_TP07H_SP	3.89	20.25	22.18		22.21	0.000462	0.80	4.83	4.63	0.25
Pagnana	valle	1	TR200_TP14H_SP	3.93	20.25	22.19		22.22	0.000462	0.81	4.87	4.65	0.25
Pagnana	valle	0.7	TR200_TP36H_SP	0.00	20.22	23.32	20.22	23.32	0.000000	0.00	11.15	7.25	0.00
Pagnana	valle	0.7	TR200_TP01H_SP	3.16	20.22	22.01	21.28	22.04	0.000648	0.85	3.70	4.11	0.29
Pagnana	valle	0.7	TR200_TP02H_SP	3.47	20.22	22.07	21.33	22.11	0.000641	0.87	3.98	4.27	0.29
Pagnana	valle	0.7	TR200_TP03H_SP	3.65	20.22	22.11	21.35	22.15	0.000636	0.88	4.15	4.37	0.29
Pagnana	valle	0.7	TR200_TP07H_SP	3.89	20.22	22.16	21.38	22.20	0.000631	0.89	4.36	4.48	0.29
Pagnana	valle	0.7	TR200_TP14H_SP	3.93	20.22	22.17	21.39	22.21	0.000631	0.89	4.39	4.50	0.29
Pagnana	valle	0.6		Ini Struct									
Pagnana	valle	0.5	TR200_TP36H_SP	2.65	20.22	21.85		21.89	0.000740	0.86	3.09	3.74	0.30
Pagnana	valle	0.5	TR200_TP01H_SP	3.16	20.22	21.96		22.00	0.000740	0.90	3.52	4.01	0.31
Pagnana	valle	0.5	TR200_TP02H_SP	3.47	20.22	22.02		22.07	0.000741	0.92	3.77	4.16	0.31
Pagnana	valle	0.5	TR200_TP03H_SP	3.65	20.22	22.06		22.10	0.000741	0.93	3.92	4.24	0.31
Pagnana	valle	0.5	TR200_TP07H_SP	3.89	20.22	22.10		22.15	0.000741	0.95	4.11	4.34	0.31
Pagnana	valle	0.5	TR200_TP14H_SP	3.93	20.22	22.11		22.16	0.000741	0.95	4.14	4.36	0.31
Pagnana	valle	0.2	TR200_TP36H_SP	2.65	20.22	21.85	21.21	21.88	0.000750	0.86	3.07	3.73	0.30
Pagnana	valle	0.2	TR200_TP01H_SP	3.16	20.22	21.96	21.28	22.00	0.000750	0.90	3.50	4.00	0.31
Pagnana	valle	0.2	TR200_TP02H_SP	3.47	20.22	22.02	21.33	22.06	0.000750	0.92	3.76	4.15	0.31
Pagnana	valle	0.2	TR200_TP03H_SP	3.65	20.22	22.06	21.35	22.10	0.000750	0.94	3.90	4.23	0.31
Pagnana	valle	0.2	TR200_TP07H_SP	3.89	20.22	22.10	21.38	22.14	0.000750	0.95	4.09	4.33	0.31
Pagnana	valle	0.2	TR200_TP14H_SP	3.93	20.22	22.11	21.39	22.15	0.000750	0.95	4.12	4.35	0.31
Friano	valle	35	TR200_TP36H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	35	TR200_TP01H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	35	TR200_TP02H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	35	TR200_TP03H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	35	TR200_TP07H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	35	TR200_TP14H_SP	0.69	24.00	24.29		24.36	0.008470	1.15	0.60	2.09	0.69
Friano	valle	34.999		Lat Struct									
Friano	valle	34.998		Lat Struct									
Friano	valle	34.9	TR200_TP36H_SP	0.69	24.00	24.27		24.35	0.011062	1.26	0.55	2.09	0.78
Friano	valle	34.9	TR200_TP01H_SP	0.69	24.00	24.27		24.35	0.011064	1.26	0.55	2.09	0.79
Friano	valle	34.9	TR200_TP02H_SP	0.69	24.00	24.27		24.35	0.011062	1.26	0.55	2.09	0.78
Friano	valle	34.9	TR200_TP03H_SP	0.69	24.00	24.27		24.35	0.011062	1.26	0.55	2.09	0.78
Friano	valle	34.9	TR200_TP07H_SP	0.69	24.00	24.27		24.35	0.011062	1.26	0.55	2.09	0.78
Friano	valle	34.9	TR200_TP14H_SP	0.69	24.00	24.27		24.35	0.011062	1.26	0.55	2.09	0.78
Friano	valle	34.520*	TR200_TP36H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.520*	TR200_TP01H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.520*	TR200_TP02H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.520*	TR200_TP03H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.520*	TR200_TP07H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.520*	TR200_TP14H_SP	0.69	23.75	24.03		24.12	0.011883	1.32	0.52	1.95	0.82
Friano	valle	34.140*	TR200_TP36H_SP	0.68	23.51	23.83		23.90	0.009301	1.24	0.55	1.85	0.73
Friano	valle	34.140*	TR200_TP01H_SP	0.68	23.51	23.83		23.91	0.009276	1.24	0.55	1.85	0.73
Friano	valle	34.140*	TR200_TP02H_SP	0.68	23.51	23.83		23.90	0.009294	1.24	0.55	1.85	0.73
Friano	valle	34.140*	TR200_TP03H_SP	0.68	23.51	23.83		23.90	0.008707	1.20	0.55	1.85	0.70
Friano	valle	34.140*	TR200_TP07H_SP	0.68	23.51	23.83		23.90	0.009301	1.24	0.55	1.85	0.73
Friano	valle	34.140*	TR200_TP14H_SP	0.68	23.51	23.83		23.90	0.009301	1.24	0.55	1.85	0.73
Friano	valle	33.760*	TR200_TP36H_SP	0.68	23.26	23.73		23.77	0.003323	0.89	0.77	1.90	0.44
Friano	valle	33.760*	TR200_TP01H_SP	0.68	23.26	23.73		23.77	0.003312	0.88	0.77	1.90	0.44
Friano	valle	33.760*	TR200_TP02H_SP	0.68	23.26	23.73		23.77	0.003315	0.88	0.77	1.90	0.44
Friano	valle	33.760*	TR200_TP03H_SP	0.66	23.26	23.74		23.77	0.002920	0.84	0.79	1.91	0.42
Friano	valle	33.760*	TR200_TP07H_SP	0.64	23.26	23.73		23.77	0.002817	0.82	0.78	1.91	0.41
Friano	valle	33.760*	TR200_TP14H_SP	0.68	23.26	23.73		23.77	0.003323	0.89	0.77	1.90	0.44

HEC-RAS Profile: Max WS (Continued)

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
Friano	valle	33.380	TR200_TP36H_SP	0.68	23.02	23.70		23.72	0.001040	0.59	1.16	2.20	0.26
Friano	valle	33.380	TR200_TP01H_SP	0.68	23.02	23.70		23.72	0.001039	0.59	1.16	2.20	0.26
Friano	valle	33.380	TR200_TP02H_SP	0.68	23.02	23.70		23.72	0.001040	0.59	1.16	2.20	0.26
Friano	valle	33.380	TR200_TP03H_SP	0.66	23.02	23.71		23.73	0.000914	0.55	1.19	2.22	0.24
Friano	valle	33.380	TR200_TP07H_SP	0.64	23.02	23.71		23.73	0.000872	0.54	1.19	2.22	0.24
Friano	valle	33.380	TR200_TP14H_SP	0.68	23.02	23.70		23.72	0.001040	0.59	1.16	2.20	0.26
Friano	valle	33.253*	TR200_TP36H_SP	0.68	22.93	23.70		23.71	0.000814	0.51	1.34	2.37	0.22
Friano	valle	33.253*	TR200_TP01H_SP	0.68	22.93	23.70		23.71	0.000812	0.51	1.34	2.37	0.22
Friano	valle	33.253*	TR200_TP02H_SP	0.68	22.93	23.70		23.71	0.000813	0.51	1.34	2.37	0.22
Friano	valle	33.253*	TR200_TP03H_SP	0.66	22.93	23.71		23.72	0.000717	0.48	1.37	2.40	0.20
Friano	valle	33.253*	TR200_TP07H_SP	0.64	22.93	23.71		23.72	0.000684	0.47	1.36	2.39	0.20
Friano	valle	33.253*	TR200_TP14H_SP	0.68	22.93	23.70		23.71	0.000814	0.51	1.34	2.37	0.22
Friano	valle	33.127*	TR200_TP36H_SP	0.68	22.85	23.69		23.70	0.000573	0.44	1.54	2.65	0.19
Friano	valle	33.127*	TR200_TP01H_SP	0.68	22.85	23.69		23.70	0.000571	0.44	1.54	2.65	0.18
Friano	valle	33.127*	TR200_TP02H_SP	0.68	22.85	23.69		23.70	0.000571	0.44	1.54	2.65	0.18
Friano	valle	33.127*	TR200_TP03H_SP	0.66	22.85	23.71		23.72	0.000515	0.42	1.58	2.73	0.18
Friano	valle	33.127*	TR200_TP07H_SP	0.64	22.85	23.71		23.71	0.000489	0.41	1.57	2.72	0.17
Friano	valle	33.127*	TR200_TP14H_SP	0.68	22.85	23.69		23.70	0.000572	0.44	1.54	2.65	0.18
Friano	valle	33	TR200_TP36H_SP	0.68	22.77	23.66		23.69	0.000762	0.85	0.80	3.51	0.29
Friano	valle	33	TR200_TP01H_SP	0.68	22.77	23.66		23.69	0.000760	0.85	0.80	3.51	0.29
Friano	valle	33	TR200_TP02H_SP	0.68	22.77	23.66		23.69	0.000761	0.85	0.80	3.51	0.29
Friano	valle	33	TR200_TP03H_SP	0.66	22.77	23.68		23.71	0.000676	0.81	0.81	3.71	0.27
Friano	valle	33	TR200_TP07H_SP	0.64	22.77	23.68		23.71	0.000637	0.79	0.81	3.71	0.26
Friano	valle	33	TR200_TP14H_SP	0.68	22.77	23.66		23.69	0.000762	0.85	0.80	3.51	0.29
Friano	valle	32.95		Culvert									
Friano	valle	32.9	TR200_TP36H_SP	0.68	22.77	23.48		23.54	0.001578	1.06	0.64	2.42	0.40
Friano	valle	32.9	TR200_TP01H_SP	0.68	22.77	23.48		23.54	0.001574	1.06	0.64	2.43	0.40
Friano	valle	32.9	TR200_TP02H_SP	0.64	22.77	23.49		23.54	0.001387	0.99	0.64	2.43	0.37
Friano	valle	32.9	TR200_TP03H_SP	0.66	22.77	23.51		23.56	0.001324	0.99	0.67	2.48	0.37
Friano	valle	32.9	TR200_TP07H_SP	0.64	22.77	23.52		23.57	0.001183	0.95	0.68	2.50	0.35
Friano	valle	32.9	TR200_TP14H_SP	0.68	22.77	23.48		23.54	0.001577	1.06	0.64	2.42	0.40
Friano	valle	32	TR200_TP36H_SP	0.68	22.65	23.49	22.91	23.50	0.000279	0.48	1.42	2.83	0.17
Friano	valle	32	TR200_TP01H_SP	0.68	22.65	23.49	22.91	23.50	0.000279	0.48	1.42	2.83	0.17
Friano	valle	32	TR200_TP02H_SP	0.66	22.65	23.49	22.90	23.50	0.000268	0.47	1.42	2.83	0.16
Friano	valle	32	TR200_TP03H_SP	0.69	22.65	23.51	22.91	23.52	0.000261	0.47	1.46	2.85	0.16
Friano	valle	32	TR200_TP07H_SP	0.67	22.65	23.52	22.90	23.53	0.000238	0.45	1.48	2.86	0.16
Friano	valle	32	TR200_TP14H_SP	0.68	22.65	23.49	22.91	23.50	0.000279	0.48	1.42	2.83	0.17
Friano	valle	31.95		Bridge									
Friano	valle	31.9	TR200_TP36H_SP	0.68	22.65	23.47		23.48	0.000299	0.49	1.39	2.81	0.17
Friano	valle	31.9	TR200_TP01H_SP	0.68	22.65	23.47		23.48	0.000299	0.49	1.39	2.82	0.17
Friano	valle	31.9	TR200_TP02H_SP	0.66	22.65	23.47		23.49	0.000285	0.48	1.39	2.82	0.17
Friano	valle	31.9	TR200_TP03H_SP	0.69	22.65	23.50		23.51	0.000277	0.48	1.43	2.84	0.17
Friano	valle	31.9	TR200_TP07H_SP	0.67	22.65	23.51		23.52	0.000250	0.46	1.45	2.85	0.16
Friano	valle	31.9	TR200_TP14H_SP	0.68	22.65	23.47		23.48	0.000299	0.49	1.39	2.81	0.17
Friano	valle	31.89		Lat Struct									
Friano	valle	31.88		Lat Struct									
Friano	valle	31.5	TR200_TP36H_SP	0.68	22.28	23.47		23.48	0.000135	0.27	2.47	2.94	0.10
Friano	valle	31.5	TR200_TP01H_SP	0.68	22.28	23.47		23.48	0.000135	0.27	2.47	2.94	0.10
Friano	valle	31.5	TR200_TP02H_SP	0.71	22.28	23.47		23.48	0.000148	0.29	2.47	2.94	0.10
Friano	valle	31.5	TR200_TP03H_SP	0.74	22.28	23.50		23.50	0.000148	0.29	2.54	2.98	0.10
Friano	valle	31.5	TR200_TP07H_SP	0.72	22.28	23.51		23.51	0.000138	0.28	2.58	3.00	0.10
Friano	valle	31.5	TR200_TP14H_SP	0.68	22.28	23.47		23.48	0.000135	0.27	2.47	2.94	0.10
Friano	valle	31.250*	TR200_TP36H_SP	0.67	22.19	23.47		23.47	0.000138	0.27	2.45	2.70	0.09
Friano	valle	31.250*	TR200_TP01H_SP	0.68	22.19	23.47		23.47	0.000138	0.28	2.46	2.70	0.09
Friano	valle	31.250*	TR200_TP02H_SP	0.68	22.19	23.47		23.47	0.000138	0.28	2.45	2.70	0.09
Friano	valle	31.250*	TR200_TP03H_SP	0.78	22.19	23.49		23.50	0.000173	0.31	2.52	2.77	0.10
Friano	valle	31.250*	TR200_TP07H_SP	0.77	22.19	23.51		23.51	0.000163	0.30	2.55	2.81	0.10
Friano	valle	31.250*	TR200_TP14H_SP	0.68	22.19	23.47		23.47	0.000138	0.28	2.45	2.70	0.09
Friano	valle	31	TR200_TP36H_SP	0.67	22.11	23.47	22.41	23.47	0.000097	0.24	2.79	2.91	0.08
Friano	valle	31	TR200_TP01H_SP	0.67	22.11	23.47	22.41	23.47	0.000097	0.24	2.79	2.91	0.08
Friano	valle	31	TR200_TP02H_SP	0.67	22.11	23.47	22.41	23.47	0.000097	0.24	2.79	2.91	0.08
Friano	valle	31	TR200_TP03H_SP	0.82	22.11	23.49	22.45	23.50	0.000134	0.29	2.85	2.93	0.09
Friano	valle	31	TR200_TP07H_SP	0.81	22.11	23.50	22.45	23.51	0.000128	0.28	2.89	2.95	0.09
Friano	valle	31	TR200_TP14H_SP	0.67	22.11	23.47	22.41	23.47	0.000097	0.24	2.79	2.91	0.08
Friano	valle	30.5		Bridge									
Friano	valle	30	TR200_TP36H_SP	0.67	22.11	23.47		23.47	0.000098	0.24	2.78	2.90	0.08
Friano	valle	30	TR200_TP01H_SP	0.67	22.11	23.47		23.47	0.000098	0.24	2.78	2.90	0.08
Friano	valle	30	TR200_TP02H_SP	0.67	22.11	23.47		23.47	0.000098	0.24	2.78	2.90	0.08
Friano	valle	30	TR200_TP03H_SP	0.82	22.11	23.49		23.49	0.000136	0.29	2.84	2.93	0.09
Friano	valle	30	TR200_TP07H_SP	0.81	22.11	23.50		23.50	0.000129	0.28	2.88	2.94	0.09
Friano	valle	30	TR200_TP14H_SP	0.67	22.11	23.47		23.47	0.000098	0.24	2.78	2.90	0.08
Friano	valle	29.750*	TR200_TP36H_SP	0.67	22.10	23.46		23.47	0.000099	0.24	2.82	3.05	0.08
Friano	valle	29.750*	TR200_TP01H_SP	0.67	22.10	23.46		23.47	0.000099	0.24	2.82	3.05	0.08
Friano	valle	29.750*	TR200_TP02H_SP	0.67	22.10	23.46		23.47	0.000099	0.24	2.82	3.05	0.08
Friano	valle	29.750*	TR200_TP03H_SP	0.88	22.10	23.48		23.49	0.000160	0.30	2.88	3.11	0.10
Friano	valle	29.750*	TR200_TP07H_SP	0.88	22.10	23.49		23.50	0.000156	0.30	2.92	3.18	0.10
Friano	valle	29.750*	TR200_TP14H_SP	0.67	22.10	23.46		23.47	0.000099	0.24	2.82	3.05	0.08
Friano	valle	29.5	TR200_TP36H_SP	0.67	22.09	23.46		23.46	0.000060	0.20	3.34	3.47	0.07
Friano	valle	29.5	TR200_TP01H_SP	0.67	22.09	23.46		23.46	0.000060	0.20	3.34	3.47	0.07
Friano	valle	29.5	TR200_TP02H_SP	0.67	22.09	23.46		23.46	0.000060	0.20	3.34	3.47	0.07
Friano	valle	29.5	TR200_TP03H_SP	0.94	22.09	23.48		23.48	0.000111	0.28	3.40	3.49	0.09
Friano	valle	29.5	TR200_TP07H_SP	0.94	22.09	23.49		23.50	0.000108	0.27	3.44	3.51	0.09
Friano	valle	29.5	TR200_TP14H_SP	0.67	22.09	23.46		23.46	0.000060	0.20	3.34	3.47	0.07

HEC-RAS Profile: Max WS (Continued)

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
Friano	valle	29	TR200_TP36H_SP	0.68	22.07	23.46		23.46	0.000068	0.21	3.22	3.31	0.07
Friano	valle	29	TR200_TP01H_SP	0.68	22.07	23.46		23.46	0.000068	0.21	3.22	3.31	0.07
Friano	valle	29	TR200_TP02H_SP	0.68	22.07	23.46		23.46	0.000068	0.21	3.22	3.31	0.07
Friano	valle	29	TR200_TP03H_SP	0.98	22.07	23.48		23.48	0.000135	0.30	3.27	3.33	0.10
Friano	valle	29	TR200_TP07H_SP	0.99	22.07	23.49		23.49	0.000133	0.30	3.31	3.35	0.10
Friano	valle	29	TR200_TP14H_SP	0.68	22.07	23.46		23.46	0.000068	0.21	3.22	3.31	0.07
Friano	valle	28.750*	TR200_TP36H_SP	0.69	22.06	23.46		23.46	0.000073	0.22	3.15	3.22	0.07
Friano	valle	28.750*	TR200_TP01H_SP	0.69	22.06	23.46		23.46	0.000073	0.22	3.15	3.22	0.07
Friano	valle	28.750*	TR200_TP02H_SP	0.69	22.06	23.46		23.46	0.000073	0.22	3.15	3.22	0.07
Friano	valle	28.750*	TR200_TP03H_SP	1.04	22.06	23.47		23.48	0.000161	0.33	3.18	3.23	0.10
Friano	valle	28.750*	TR200_TP07H_SP	1.05	22.06	23.48		23.49	0.000160	0.33	3.22	3.25	0.10
Friano	valle	28.750*	TR200_TP14H_SP	0.69	22.06	23.46		23.46	0.000073	0.22	3.15	3.22	0.07
Friano	valle	28.5	TR200_TP36H_SP	0.69	22.04	23.46		23.46	0.000079	0.23	3.06	3.12	0.07
Friano	valle	28.5	TR200_TP01H_SP	0.69	22.04	23.46		23.46	0.000079	0.23	3.06	3.12	0.07
Friano	valle	28.5	TR200_TP02H_SP	0.69	22.04	23.46		23.46	0.000079	0.23	3.06	3.12	0.07
Friano	valle	28.5	TR200_TP03H_SP	1.09	22.04	23.47		23.47	0.000193	0.35	3.09	3.13	0.11
Friano	valle	28.5	TR200_TP07H_SP	1.11	22.04	23.48		23.48	0.000193	0.35	3.13	3.15	0.11
Friano	valle	28.5	TR200_TP14H_SP	0.69	22.04	23.46		23.46	0.000079	0.23	3.06	3.12	0.07
Friano	valle	28.333*	TR200_TP36H_SP	0.69	22.05	23.46		23.46	0.000076	0.22	3.12	3.17	0.07
Friano	valle	28.333*	TR200_TP01H_SP	0.69	22.05	23.46		23.46	0.000076	0.22	3.12	3.17	0.07
Friano	valle	28.333*	TR200_TP02H_SP	0.69	22.05	23.46		23.46	0.000076	0.22	3.12	3.17	0.07
Friano	valle	28.333*	TR200_TP03H_SP	1.14	22.05	23.46		23.47	0.000203	0.36	3.14	3.18	0.12
Friano	valle	28.333*	TR200_TP07H_SP	1.16	22.05	23.47		23.48	0.000205	0.36	3.17	3.20	0.12
Friano	valle	28.333*	TR200_TP14H_SP	0.69	22.05	23.46		23.46	0.000076	0.22	3.12	3.17	0.07
Friano	valle	28.167*	TR200_TP36H_SP	0.69	22.06	23.46		23.46	0.000068	0.21	3.26	3.28	0.07
Friano	valle	28.167*	TR200_TP01H_SP	0.69	22.06	23.46		23.46	0.000068	0.21	3.26	3.28	0.07
Friano	valle	28.167*	TR200_TP02H_SP	0.69	22.06	23.46		23.46	0.000068	0.21	3.26	3.28	0.07
Friano	valle	28.167*	TR200_TP03H_SP	1.18	22.06	23.46		23.46	0.000198	0.36	3.26	3.28	0.12
Friano	valle	28.167*	TR200_TP07H_SP	1.21	22.06	23.47		23.48	0.000201	0.37	3.30	3.30	0.12
Friano	valle	28.167*	TR200_TP14H_SP	0.69	22.06	23.46		23.46	0.000068	0.21	3.26	3.28	0.07
Friano	valle	28	TR200_TP36H_SP	0.69	22.07	23.45		23.46	0.000061	0.20	3.39	3.37	0.06
Friano	valle	28	TR200_TP01H_SP	0.69	22.07	23.45		23.46	0.000061	0.20	3.39	3.37	0.06
Friano	valle	28	TR200_TP02H_SP	0.69	22.07	23.45		23.46	0.000061	0.20	3.39	3.37	0.06
Friano	valle	28	TR200_TP03H_SP	0.69	22.07	23.45		23.46	0.000061	0.20	3.39	3.37	0.06
Friano	valle	28	TR200_TP07H_SP	1.26	22.07	23.46		23.47	0.000198	0.37	3.43	3.39	0.12
Friano	valle	28	TR200_TP14H_SP	0.69	22.07	23.45		23.46	0.000061	0.20	3.39	3.37	0.06
Friano	valle	27.5	TR200_TP36H_SP	0.69	22.08	23.45		23.46	0.000057	0.20	3.49	3.44	0.06
Friano	valle	27.5	TR200_TP01H_SP	0.69	22.08	23.45		23.46	0.000057	0.20	3.49	3.44	0.06
Friano	valle	27.5	TR200_TP02H_SP	0.69	22.08	23.45		23.46	0.000057	0.20	3.49	3.44	0.06
Friano	valle	27.5	TR200_TP03H_SP	0.69	22.08	23.45		23.46	0.000057	0.20	3.49	3.44	0.06
Friano	valle	27.5	TR200_TP07H_SP	1.30	22.08	23.46		23.47	0.000197	0.37	3.51	3.46	0.12
Friano	valle	27.5	TR200_TP14H_SP	0.69	22.08	23.45		23.46	0.000057	0.20	3.49	3.44	0.06
Friano	valle	27.333*	TR200_TP36H_SP	0.69	22.07	23.45		23.46	0.000057	0.20	3.47	3.45	0.06
Friano	valle	27.333*	TR200_TP01H_SP	0.69	22.07	23.45		23.46	0.000057	0.20	3.47	3.45	0.06
Friano	valle	27.333*	TR200_TP02H_SP	0.69	22.07	23.45		23.46	0.000057	0.20	3.47	3.45	0.06
Friano	valle	27.333*	TR200_TP03H_SP	0.69	22.07	23.45		23.46	0.000057	0.20	3.47	3.45	0.06
Friano	valle	27.333*	TR200_TP07H_SP	1.35	22.07	23.46		23.46	0.000220	0.39	3.48	3.46	0.12
Friano	valle	27.333*	TR200_TP14H_SP	0.69	22.07	23.45		23.46	0.000057	0.20	3.47	3.45	0.06
Friano	valle	27.167*	TR200_TP36H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27.167*	TR200_TP01H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27.167*	TR200_TP02H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27.167*	TR200_TP03H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27.167*	TR200_TP07H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27.167*	TR200_TP14H_SP	0.69	22.06	23.45		23.45	0.000058	0.20	3.46	3.47	0.06
Friano	valle	27	TR200_TP36H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	27	TR200_TP01H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	27	TR200_TP02H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	27	TR200_TP03H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	27	TR200_TP07H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	27	TR200_TP14H_SP	0.69	22.06	23.45		23.45	0.000059	0.20	3.45	3.48	0.06
Friano	valle	26.800*	TR200_TP36H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.800*	TR200_TP01H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.800*	TR200_TP02H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.800*	TR200_TP03H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.800*	TR200_TP07H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.800*	TR200_TP14H_SP	0.69	22.05	23.45		23.45	0.000060	0.20	3.42	3.48	0.07
Friano	valle	26.600*	TR200_TP36H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.600*	TR200_TP01H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.600*	TR200_TP02H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.600*	TR200_TP03H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.600*	TR200_TP07H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.600*	TR200_TP14H_SP	0.70	22.04	23.45		23.45	0.000063	0.21	3.40	3.49	0.07
Friano	valle	26.400*	TR200_TP36H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.400*	TR200_TP01H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.400*	TR200_TP02H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.400*	TR200_TP03H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.400*	TR200_TP07H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.400*	TR200_TP14H_SP	0.73	22.03	23.44		23.45	0.000070	0.22	3.37	3.48	0.07
Friano	valle	26.200*	TR200_TP36H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26.200*	TR200_TP01H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26.200*	TR200_TP02H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26.200*	TR200_TP03H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26.200*	TR200_TP07H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26.200*	TR200_TP14H_SP	0.80	22.03	23.43		23.44	0.000087	0.24	3.32	3.47	0.08
Friano	valle	26	TR200_TP36H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09
Friano	valle	26	TR200_TP01H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09

HEC-RAS Profile: Max WS (Continued)

EC-RAS Profile: Max WS (Continued)													
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
Friano	valle	26	TR200_TP02H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09
Friano	valle	26	TR200_TP03H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09
Friano	valle	26	TR200_TP07H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09
Friano	valle	26	TR200_TP14H_SP	0.93	22.02	23.42		23.42	0.000122	0.28	3.28	3.44	0.09
Friano	valle	25.750*	TR200_TP36H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.750*	TR200_TP01H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.750*	TR200_TP02H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.750*	TR200_TP03H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.750*	TR200_TP07H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.750*	TR200_TP14H_SP	1.10	22.01	23.40		23.40	0.000191	0.35	3.16	3.35	0.11
Friano	valle	25.500*	TR200_TP36H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.500*	TR200_TP01H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.500*	TR200_TP02H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.500*	TR200_TP03H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.500*	TR200_TP07H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.500*	TR200_TP14H_SP	1.22	22.01	23.38	22.30	23.38	0.000159	0.35	3.50	3.22	0.10
Friano	valle	25.3		Bridge									
Friano	valle	25.250*	TR200_TP36H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25.250*	TR200_TP01H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25.250*	TR200_TP02H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25.250*	TR200_TP03H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25.250*	TR200_TP07H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25.250*	TR200_TP14H_SP	1.22	22.00	23.37		23.38	0.000164	0.35	3.50	3.09	0.10
Friano	valle	25	TR200_TP36H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	25	TR200_TP01H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	25	TR200_TP02H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	25	TR200_TP03H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	25	TR200_TP07H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	25	TR200_TP14H_SP	0.94	21.99	23.36		23.37	0.000161	0.32	2.94	2.97	0.10
Friano	valle	24.750*	TR200_TP36H_SP	0.61	21.98	23.36		23.36	0.000070	0.21	2.91	3.06	0.07
Friano	valle	24.750*	TR200_TP01H_SP	0.61	21.98	23.36		23.36	0.000070	0.21	2.91	3.06	0.07
Friano	valle	24.750*	TR200_TP02H_SP	0.61	21.98	23.36		23.36	0.000070	0.21	2.91	3.06	0.07
Friano	valle	24.750*	TR200_TP03H_SP	0.61	21.98	23.36		23.36	0.000070	0.21	2.91	3.06	0.07
Friano	valle	24.750*	TR200_TP07H_SP	1.14	21.98	23.36		23.37	0.000247	0.39	2.92	3.06	0.13
Friano	valle	24.750*	TR200_TP14H_SP	0.61	21.98	23.36		23.36	0.000070	0.21	2.91	3.06	0.07
Friano	valle	24.500*	TR200_TP36H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.500*	TR200_TP01H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.500*	TR200_TP02H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.500*	TR200_TP03H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.500*	TR200_TP07H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.500*	TR200_TP14H_SP	0.43	21.97	23.36		23.36	0.000034	0.14	2.96	3.15	0.05
Friano	valle	24.250*	TR200_TP36H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.250*	TR200_TP01H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.250*	TR200_TP02H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.250*	TR200_TP03H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.250*	TR200_TP07H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.250*	TR200_TP14H_SP	0.39	21.97	23.37		23.37	0.000028	0.13	3.01	3.23	0.04
Friano	valle	24.2	TR200_TP36H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.2	TR200_TP01H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.2	TR200_TP02H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.2	TR200_TP03H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.2	TR200_TP07H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.2	TR200_TP14H_SP	0.40	21.97	23.37	22.11	23.37	0.000016	0.11	3.59	3.31	0.03
Friano	valle	24.1		Bridge									
Friano	valle	24	TR200_TP36H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	24	TR200_TP01H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	24	TR200_TP02H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	24	TR200_TP03H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	24	TR200_TP07H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	24	TR200_TP14H_SP	0.40	21.96	23.37		23.37	0.000016	0.11	3.61	3.32	0.03
Friano	valle	23.800*	TR200_TP36H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.800*	TR200_TP01H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.800*	TR200_TP02H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.800*	TR200_TP03H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.800*	TR200_TP07H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.800*	TR200_TP14H_SP	0.52	21.95	23.38		23.38	0.000048	0.17	3.01	3.30	0.06
Friano	valle	23.600*	TR200_TP36H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.600*	TR200_TP01H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.600*	TR200_TP02H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.600*	TR200_TP03H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.600*	TR200_TP07H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.600*	TR200_TP14H_SP	0.61	21.94	23.39		23.39	0.000068	0.20	3.01	3.29	0.07
Friano	valle	23.400*	TR200_TP36H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.400*	TR200_TP01H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.400*	TR200_TP02H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.400*	TR200_TP03H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.400*	TR200_TP07H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.400*	TR200_TP14H_SP	0.65	21.94	23.39		23.39	0.000078	0.22	2.99	3.27	0.07
Friano	valle	23.200*	TR200_TP36H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23.200*	TR200_TP01H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23.200*	TR200_TP02H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23.200*	TR200_TP03H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23.200*	TR200_TP07H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23.200*	TR200_TP14H_SP	0.65	21.93	23.39		23.39	0.000080	0.22	2.98	3.26	0.07
Friano	valle	23	TR200_TP36H_SP</										

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (m3/s)	Mn 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
Friano	valle	23	TR200_TP01H_SP	0.63	21.92	23.39		23.39	0.000075	0.21	2.95	3.24	0.07
Friano	valle	23	TR200_TP02H_SP	0.63	21.92	23.39		23.39	0.000075	0.21	2.95	3.24	0.07
Friano	valle	23	TR200_TP03H_SP	0.63	21.92	23.39		23.39	0.000075	0.21	2.95	3.24	0.07
Friano	valle	23	TR200_TP07H_SP	0.63	21.92	23.39		23.39	0.000075	0.21	2.95	3.24	0.07
Friano	valle	23	TR200_TP14H_SP	0.63	21.92	23.39		23.39	0.000075	0.21	2.95	3.24	0.07
Friano	valle	22.750*	TR200_TP36H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.750*	TR200_TP01H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.750*	TR200_TP02H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.750*	TR200_TP03H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.750*	TR200_TP07H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.750*	TR200_TP14H_SP	0.63	21.92	23.39		23.39	0.000074	0.21	3.00	3.33	0.07
Friano	valle	22.5	TR200_TP36H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.5	TR200_TP01H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.5	TR200_TP02H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.5	TR200_TP03H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.5	TR200_TP07H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.5	TR200_TP14H_SP	0.69	21.91	23.39		23.39	0.000077	0.22	3.14	3.42	0.07
Friano	valle	22.250*	TR200_TP36H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22.250*	TR200_TP01H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22.250*	TR200_TP02H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22.250*	TR200_TP03H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22.250*	TR200_TP07H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22.250*	TR200_TP14H_SP	0.75	21.91	23.38		23.39	0.000199	0.30	2.50	3.32	0.11
Friano	valle	22	TR200_TP36H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	22	TR200_TP01H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	22	TR200_TP02H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	22	TR200_TP03H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	22	TR200_TP07H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	22	TR200_TP14H_SP	0.80	21.90	23.38		23.38	0.000220	0.32	2.51	3.33	0.12
Friano	valle	21.750*	TR200_TP36H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.750*	TR200_TP01H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.750*	TR200_TP02H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.750*	TR200_TP03H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.750*	TR200_TP07H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.750*	TR200_TP14H_SP	0.84	21.90	23.37		23.37	0.000248	0.34	2.49	3.27	0.12
Friano	valle	21.500*	TR200_TP36H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.500*	TR200_TP01H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.500*	TR200_TP02H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.500*	TR200_TP03H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.500*	TR200_TP07H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.500*	TR200_TP14H_SP	0.89	21.89	23.35		23.35	0.000291	0.36	2.45	3.21	0.13
Friano	valle	21.250*	TR200_TP36H_SP	0.93	21.88	23.33		23.35	0.000025	0.11	2.46	3.17	0.04
Friano	valle	21.250*	TR200_TP01H_SP	0.93	21.88	23.33		23.34	0.000328	0.38	2.41	3.15	0.14
Friano	valle	21.250*	TR200_TP02H_SP	0.93	21.88	23.33		23.34	0.000328	0.38	2.41	3.15	0.14
Friano	valle	21.250*	TR200_TP03H_SP	0.93	21.88	23.33		23.34	0.000328	0.38	2.41	3.15	0.14
Friano	valle	21.250*	TR200_TP07H_SP	0.93	21.88	23.33		23.34	0.000328	0.38	2.41	3.15	0.14
Friano	valle	21.250*	TR200_TP14H_SP	0.93	21.88	23.33		23.34	0.000328	0.38	2.41	3.15	0.14
Friano	valle	21	TR200_TP36H_SP	0.24	21.88	23.35		23.35	0.000020	0.10	2.49	3.11	0.03
Friano	valle	21	TR200_TP01H_SP	0.82	21.88	23.32		23.33	0.000257	0.34	2.40	3.09	0.12
Friano	valle	21	TR200_TP02H_SP	0.82	21.88	23.32		23.33	0.000257	0.34	2.40	3.09	0.12
Friano	valle	21	TR200_TP03H_SP	0.82	21.88	23.32		23.33	0.000257	0.34	2.40	3.09	0.12
Friano	valle	21	TR200_TP07H_SP	0.82	21.88	23.32		23.33	0.000257	0.34	2.40	3.09	0.12
Friano	valle	21	TR200_TP14H_SP	0.82	21.88	23.32		23.33	0.000257	0.34	2.40	3.09	0.12
Friano	valle	20.800*	TR200_TP36H_SP	0.22	21.88	23.35		23.35	0.000016	0.09	2.50	3.11	0.03
Friano	valle	20.800*	TR200_TP01H_SP	0.72	21.88	23.31		23.32	0.000201	0.30	2.40	3.11	0.11
Friano	valle	20.800*	TR200_TP02H_SP	0.72	21.88	23.31		23.32	0.000201	0.30	2.40	3.11	0.11
Friano	valle	20.800*	TR200_TP03H_SP	0.72	21.88	23.31		23.32	0.000201	0.30	2.40	3.11	0.11
Friano	valle	20.800*	TR200_TP07H_SP	0.72	21.88	23.31		23.32	0.000201	0.30	2.40	3.11	0.11
Friano	valle	20.800*	TR200_TP14H_SP	0.72	21.88	23.31		23.32	0.000201	0.30	2.40	3.11	0.11
Friano	valle	20.600*	TR200_TP36H_SP	0.20	21.87	23.35		23.35	0.000013	0.08	2.53	3.10	0.03
Friano	valle	20.600*	TR200_TP01H_SP	0.66	21.87	23.31		23.31	0.000167	0.28	2.41	3.10	0.10
Friano	valle	20.600*	TR200_TP02H_SP	0.66	21.87	23.31		23.31	0.000167	0.28	2.41	3.10	0.10
Friano	valle	20.600*	TR200_TP03H_SP	0.66	21.87	23.31		23.31	0.000167	0.28	2.41	3.10	0.10
Friano	valle	20.600*	TR200_TP07H_SP	0.66	21.87	23.31		23.31	0.000167	0.28	2.41	3.10	0.10
Friano	valle	20.600*	TR200_TP14H_SP	0.66	21.87	23.31		23.31	0.000167	0.28	2.41	3.10	0.10
Friano	valle	20.400*	TR200_TP36H_SP	0.18	21.87	23.35		23.35	0.000011	0.07	2.56	3.10	0.03
Friano	valle	20.400*	TR200_TP01H_SP	0.64	21.87	23.31		23.31	0.000147	0.26	2.43	3.10	0.09
Friano	valle	20.400*	TR200_TP02H_SP	0.64	21.87	23.31		23.31	0.000147	0.26	2.43	3.10	0.09
Friano	valle	20.400*	TR200_TP03H_SP	0.64	21.87	23.31		23.31	0.000147	0.26	2.43	3.10	0.09
Friano	valle	20.400*	TR200_TP07H_SP	0.64	21.87	23.31		23.31	0.000147	0.26	2.43	3.10	0.09
Friano	valle	20.400*	TR200_TP14H_SP	0.64	21.87	23.31		23.31	0.000147	0.26	2.43	3.10	0.09
Friano	valle	20.200*	TR200_TP36H_SP	0.17	21.86	23.35		23.35	0.000009	0.07	2.58	3.09	0.02
Friano	valle	20.200*	TR200_TP01H_SP	0.61	21.86	23.31		23.31	0.000133	0.25	2.46	3.09	0.09
Friano	valle	20.200*	TR200_TP02H_SP	0.61	21.86	23.31		23.31	0.000133	0.25	2.46	3.09	0.09
Friano	valle	20.200*	TR200_TP03H_SP	0.61	21.86	23.31		23.31	0.000133	0.25	2.46	3.09	0.09
Friano	valle	20.200*	TR200_TP07H_SP	0.61	21.86	23.31		23.31	0.000133	0.25	2.46	3.09	0.09
Friano	valle	20.200*	TR200_TP14H_SP	0.61	21.86	23.31		23.31	0.000133	0.25	2.46	3.09	0.09
Friano	valle	20	TR200_TP36H_SP	0.15	21.86	23.35		23.35	0.000007	0.06	2.61	3.09	0.02
Friano	valle	20	TR200_TP01H_SP	0.68	21.86	23.31		23.31	0.000158	0.28	2.49	3.09	0.10
Friano	valle	20	TR200_TP02H_SP	0.68	21.86	23.31		23.31	0.000158	0.28	2.49	3.09	0.10
Friano	valle	20	TR200_TP03H_SP	0.68	21.86	23.31		23.31	0.000158	0.28	2.49	3.09	0.10
Friano	valle	20	TR200_TP07H_SP	0.68	21.86	23.31		23.31	0.000158	0.28	2.49	3.09	0.10
Friano	valle	20	TR200_TP14H_SP	0.68	21.86	23.31		23.31	0.000158	0.28	2.49	3.09	0.10
Friano	valle	19.833*	TR200_TP36H_SP	0.14	21.85	23.35		23.35	0.000005	0.05	2.64	3.24	0.02
Friano	valle	19.833*	TR200_TP01H_SP	0.74	21.85	23.30		23.30	0.000190	0.30	2.49	3.20	0.11
Friano	valle	19.833*	TR200_TP02H_SP	0.74	21.85	23.30		23.30	0.000190	0.30	2.49	3.20	0.11
Friano	valle	19.833*	TR200_TP03H_SP	0.74	21.85	23.30		23.30	0.000190	0.30	2.49	3.20	0.11

HEC-RAS Profile: Max WS (Continued)

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
Friano	valle	19.833*	TR200_TP07H_SP	0.74	21.85	23.30		23.30	0.000190	0.30	2.49	3.20	0.11
Friano	valle	19.833*	TR200_TP14H_SP	0.74	21.85	23.30		23.30	0.000190	0.30	2.49	3.20	0.11
Friano	valle	19.667*	TR200_TP36H_SP	0.13	21.85	23.35		23.35	0.000004	0.05	2.68	3.27	0.02
Friano	valle	19.667*	TR200_TP01H_SP	0.80	21.85	23.29		23.29	0.000220	0.32	2.49	3.19	0.12
Friano	valle	19.667*	TR200_TP02H_SP	0.80	21.85	23.29		23.29	0.000220	0.32	2.49	3.19	0.12
Friano	valle	19.667*	TR200_TP03H_SP	0.80	21.85	23.29		23.29	0.000220	0.32	2.49	3.19	0.12
Friano	valle	19.667*	TR200_TP07H_SP	0.80	21.85	23.29		23.29	0.000220	0.32	2.49	3.19	0.12
Friano	valle	19.667*	TR200_TP14H_SP	0.80	21.85	23.29		23.29	0.000220	0.32	2.49	3.19	0.12
Friano	valle	19.5	TR200_TP36H_SP	0.12	21.84	23.35		23.35	0.000005	0.05	2.60	3.27	0.02
Friano	valle	19.5	TR200_TP01H_SP	0.79	21.84	23.28		23.29	0.000269	0.33	2.39	3.19	0.12
Friano	valle	19.5	TR200_TP02H_SP	0.79	21.84	23.28		23.29	0.000269	0.33	2.39	3.19	0.12
Friano	valle	19.5	TR200_TP03H_SP	0.79	21.84	23.28		23.29	0.000269	0.33	2.39	3.19	0.12
Friano	valle	19.5	TR200_TP07H_SP	0.79	21.84	23.28		23.29	0.000269	0.33	2.39	3.19	0.12
Friano	valle	19.5	TR200_TP14H_SP	0.79	21.84	23.28		23.29	0.000269	0.33	2.39	3.19	0.12
Friano	valle	19	TR200_TP36H_SP	0.11	21.84	23.35		23.35	0.000003	0.04	2.85	3.60	0.01
Friano	valle	19	TR200_TP01H_SP	0.67	21.84	23.28		23.29	0.000152	0.25	2.63	3.60	0.09
Friano	valle	19	TR200_TP02H_SP	0.67	21.84	23.28		23.29	0.000152	0.25	2.63	3.60	0.09
Friano	valle	19	TR200_TP03H_SP	0.67	21.84	23.28		23.29	0.000152	0.25	2.63	3.60	0.09
Friano	valle	19	TR200_TP07H_SP	0.67	21.84	23.28		23.29	0.000152	0.25	2.63	3.60	0.09
Friano	valle	19	TR200_TP14H_SP	0.67	21.84	23.28		23.29	0.000152	0.25	2.63	3.60	0.09
Friano	valle	18.667*	TR200_TP36H_SP	0.09	21.83	23.35		23.35	0.000002	0.03	3.06	3.69	0.01
Friano	valle	18.667*	TR200_TP01H_SP	0.50	21.83	23.29		23.29	0.000063	0.18	2.85	3.69	0.06
Friano	valle	18.667*	TR200_TP02H_SP	0.50	21.83	23.29		23.29	0.000063	0.18	2.85	3.69	0.06
Friano	valle	18.667*	TR200_TP03H_SP	0.50	21.83	23.29		23.29	0.000063	0.18	2.85	3.69	0.06
Friano	valle	18.667*	TR200_TP07H_SP	0.50	21.83	23.29		23.29	0.000063	0.18	2.85	3.69	0.06
Friano	valle	18.667*	TR200_TP14H_SP	0.50	21.83	23.29		23.29	0.000063	0.18	2.85	3.69	0.06
Friano	valle	18.333*	TR200_TP36H_SP	0.07	21.83	23.35		23.35	0.000001	0.02	3.21	3.77	0.01
Friano	valle	18.333*	TR200_TP01H_SP	0.57	21.83	23.29		23.29	0.000068	0.19	2.98	3.77	0.07
Friano	valle	18.333*	TR200_TP02H_SP	0.57	21.83	23.29		23.29	0.000068	0.19	2.98	3.77	0.07
Friano	valle	18.333*	TR200_TP03H_SP	0.57	21.83	23.29		23.29	0.000068	0.19	2.98	3.77	0.07
Friano	valle	18.333*	TR200_TP07H_SP	0.57	21.83	23.29		23.29	0.000068	0.19	2.98	3.77	0.07
Friano	valle	18.333*	TR200_TP14H_SP	0.57	21.83	23.29		23.29	0.000068	0.19	2.98	3.77	0.07
Friano	valle	18	TR200_TP36H_SP	0.05	21.82	23.35	21.90	23.35	0.000003	0.03	1.94	3.86	0.01
Friano	valle	18	TR200_TP01H_SP	0.70	21.82	23.27	22.24	23.28	0.000183	0.41	1.70	3.84	0.11
Friano	valle	18	TR200_TP02H_SP	0.70	21.82	23.27	22.24	23.28	0.000183	0.41	1.70	3.84	0.11
Friano	valle	18	TR200_TP03H_SP	0.70	21.82	23.27	22.24	23.28	0.000183	0.41	1.70	3.84	0.11
Friano	valle	18	TR200_TP07H_SP	0.70	21.82	23.27	22.24	23.28	0.000183	0.41	1.70	3.84	0.11
Friano	valle	18	TR200_TP14H_SP	0.70	21.82	23.27	22.24	23.28	0.000183	0.41	1.70	3.84	0.11
Friano	valle	17.95		Bridge									
Friano	valle	17.9	TR200_TP36H_SP	0.05	21.82	23.34		23.34	0.000003	0.03	1.93	3.86	0.01
Friano	valle	17.9	TR200_TP01H_SP	0.70	21.82	23.25		23.26	0.000192	0.42	1.67	3.81	0.12
Friano	valle	17.9	TR200_TP02H_SP	0.70	21.82	23.25		23.26	0.000192	0.42	1.67	3.81	0.12
Friano	valle	17.9	TR200_TP03H_SP	0.70	21.82	23.25		23.26	0.000192	0.42	1.67	3.81	0.12
Friano	valle	17.9	TR200_TP07H_SP	0.70	21.82	23.25		23.26	0.000192	0.42	1.67	3.81	0.12
Friano	valle	17.9	TR200_TP14H_SP	0.70	21.82	23.25		23.26	0.000192	0.42	1.67	3.81	0.12
Friano	valle	17.450*	TR200_TP36H_SP	0.06	21.81	23.34		23.34	0.000001	0.02	3.42	3.78	0.01
Friano	valle	17.450*	TR200_TP01H_SP	0.73	21.81	23.26		23.26	0.000101	0.24	3.08	3.77	0.08
Friano	valle	17.450*	TR200_TP02H_SP	0.73	21.81	23.26		23.26	0.000101	0.24	3.08	3.77	0.08
Friano	valle	17.450*	TR200_TP03H_SP	0.73	21.81	23.26		23.26	0.000101	0.24	3.08	3.77	0.08
Friano	valle	17.450*	TR200_TP07H_SP	0.73	21.81	23.26		23.26	0.000101	0.24	3.08	3.77	0.08
Friano	valle	17.450*	TR200_TP14H_SP	0.73	21.81	23.26		23.26	0.000101	0.24	3.08	3.77	0.08
Friano	valle	17	TR200_TP36H_SP	0.07	21.80	23.34		23.34	0.000001	0.02	3.47	3.70	0.01
Friano	valle	17	TR200_TP01H_SP	0.64	21.80	23.26		23.26	0.000071	0.20	3.16	3.70	0.07
Friano	valle	17	TR200_TP02H_SP	0.64	21.80	23.26		23.26	0.000071	0.20	3.16	3.70	0.07
Friano	valle	17	TR200_TP03H_SP	0.64	21.80	23.26		23.26	0.000071	0.20	3.16	3.70	0.07
Friano	valle	17	TR200_TP07H_SP	0.64	21.80	23.26		23.26	0.000071	0.20	3.16	3.70	0.07
Friano	valle	17	TR200_TP14H_SP	0.64	21.80	23.26		23.26	0.000071	0.20	3.16	3.70	0.07
Friano	valle	16.667*	TR200_TP36H_SP	0.07	21.78	23.34		23.34	0.000001	0.02	3.60	3.78	0.01
Friano	valle	16.667*	TR200_TP01H_SP	0.41	21.78	23.27		23.27	0.000026	0.13	3.31	3.78	0.04
Friano	valle	16.667*	TR200_TP02H_SP	0.41	21.78	23.27		23.27	0.000026	0.13	3.31	3.78	0.04
Friano	valle	16.667*	TR200_TP03H_SP	0.41	21.78	23.27		23.27	0.000026	0.13	3.31	3.78	0.04
Friano	valle	16.667*	TR200_TP07H_SP	0.41	21.78	23.27		23.27	0.000026	0.13	3.31	3.78	0.04
Friano	valle	16.667*	TR200_TP14H_SP	0.41	21.78	23.27		23.27	0.000026	0.13	3.31	3.78	0.04
Friano	valle	16.333*	TR200_TP36H_SP	0.08	21.77	23.34		23.34	0.000001	0.02	3.72	3.87	0.01
Friano	valle	16.333*	TR200_TP01H_SP	0.38	21.77	23.27		23.27	0.000021	0.11	3.44	3.87	0.04
Friano	valle	16.333*	TR200_TP02H_SP	0.38	21.77	23.27		23.27	0.000021	0.11	3.44	3.87	0.04
Friano	valle	16.333*	TR200_TP03H_SP	0.38	21.77	23.27		23.27	0.000021	0.11	3.44	3.87	0.04
Friano	valle	16.333*	TR200_TP07H_SP	0.38	21.77	23.27		23.27	0.000021	0.11	3.44	3.87	0.04
Friano	valle	16.333*	TR200_TP14H_SP	0.38	21.77	23.27		23.27	0.000021	0.11	3.44	3.87	0.04
Friano	valle	16	TR200_TP36H_SP	0.09	21.75	23.34	21.84	23.34	0.000004	0.04	2.52	3.95	0.01
Friano	valle	16	TR200_TP01H_SP	0.65	21.75	23.27	22.10	23.28	0.000266	0.29	2.23	3.95	0.12
Friano	valle	16	TR200_TP02H_SP	0.65	21.75	23.27	22.10	23.28	0.000266	0.29	2.23	3.95	0.12
Friano	valle	16	TR200_TP03H_SP	0.65	21.75	23.27	22.10	23.28	0.000266	0.29	2.23	3.95	0.12
Friano	valle	16	TR200_TP07H_SP	0.65	21.75	23.27	22.10	23.28	0.000266	0.29	2.23	3.95	0.12
Friano	valle	16	TR200_TP14H_SP	0.65	21.75	23.27	22.10	23.28	0.000266	0.29	2.23	3.95	0.12
Friano	valle	15.95		Bridge									
Friano	valle	15.9	TR200_TP36H_SP	0.09	21.75	23.34		23.34	0.000004	0.04	2.51	3.95	0.01
Friano	valle	15.9	TR200_TP01H_SP	0.65	21.75	23.26		23.27	0.000279	0.30	2.19	3.95	0.13
Friano	valle	15.9	TR200_TP02H_SP	0.65	21.75	23.26		23.27	0.000279	0.30	2.19	3.95	0.13
Friano	valle	15.9	TR200_TP03H_SP	0.65	21.75	23.26		23.27	0.000279	0.30	2.19	3.95	0.13
Friano	valle	15.9	TR200_TP07H_SP	0.65	21.75	23.26		23.27	0.000279	0.30	2.19	3.95	0.13
Friano	valle	15.9	TR200_TP14H_SP	0.65	21.75	23.26		23.27	0.000279	0.30	2.19	3.95	0.13
Friano	valle	15.450*	TR200_TP36H_SP	0.14	21.76	23.34		23.34	0.000002	0.04	3.53	3.53	0.01
Friano	valle	15.450*	TR200_TP01H_SP	0.57	21.76	23.27		23.28	0.000050	0.17	3.29	3.53	0.06
Friano	valle	15.450*	TR200_TP02H_SP	0.57	21.76	23.27		23.28	0.000050	0.17	3.29	3.53	0.06

HEC-RAS Profile: Max WS (Continued)

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
Friano	valle	15.450*	TR200_TP03H_SP	0.57	21.76	23.27		23.28	0.000050	0.17	3.29	3.53	0.06
Friano	valle	15.450*	TR200_TP07H_SP	0.57	21.76	23.27		23.28	0.000050	0.17	3.29	3.53	0.06
Friano	valle	15.450*	TR200_TP14H_SP	0.57	21.76	23.27		23.28	0.000050	0.17	3.29	3.53	0.06
Friano	valle	15	TR200_TP36H_SP	0.19	21.76	23.34		23.34	0.000006	0.06	3.19	3.11	0.02
Friano	valle	15	TR200_TP01H_SP	0.45	21.76	23.28		23.28	0.000039	0.15	3.00	3.11	0.05
Friano	valle	15	TR200_TP02H_SP	0.45	21.76	23.28		23.28	0.000039	0.15	3.00	3.11	0.05
Friano	valle	15	TR200_TP03H_SP	0.45	21.76	23.28		23.28	0.000039	0.15	3.00	3.11	0.05
Friano	valle	15	TR200_TP07H_SP	0.45	21.76	23.28		23.28	0.000039	0.15	3.00	3.11	0.05
Friano	valle	15	TR200_TP14H_SP	0.45	21.76	23.28		23.28	0.000039	0.15	3.00	3.11	0.05
Friano	valle	14.500*	TR200_TP36H_SP	0.20	21.76	23.34		23.34	0.000009	0.07	2.80	2.94	0.02
Friano	valle	14.500*	TR200_TP01H_SP	0.54	21.76	23.29		23.29	0.000077	0.20	2.64	2.94	0.07
Friano	valle	14.500*	TR200_TP02H_SP	0.54	21.76	23.29		23.29	0.000077	0.20	2.64	2.94	0.07
Friano	valle	14.500*	TR200_TP03H_SP	0.54	21.76	23.29		23.29	0.000077	0.20	2.64	2.94	0.07
Friano	valle	14.500*	TR200_TP07H_SP	0.54	21.76	23.29		23.29	0.000077	0.20	2.64	2.94	0.07
Friano	valle	14.500*	TR200_TP14H_SP	0.54	21.76	23.29		23.29	0.000077	0.20	2.64	2.94	0.07
Friano	valle	14	TR200_TP36H_SP	0.18	21.77	23.34	21.99	23.34	0.000013	0.10	1.78	2.72	0.03
Friano	valle	14	TR200_TP01H_SP	0.72	21.77	23.27	22.26	23.28	0.000238	0.43	1.68	2.62	0.12
Friano	valle	14	TR200_TP02H_SP	0.72	21.77	23.27	22.26	23.28	0.000238	0.43	1.68	2.62	0.12
Friano	valle	14	TR200_TP03H_SP	0.72	21.77	23.27	22.26	23.28	0.000238	0.43	1.68	2.62	0.12
Friano	valle	14	TR200_TP07H_SP	0.72	21.77	23.27	22.26	23.28	0.000238	0.43	1.68	2.62	0.12
Friano	valle	14	TR200_TP14H_SP	0.72	21.77	23.27	22.26	23.28	0.000238	0.43	1.68	2.62	0.12
Friano	valle	13.95		Bridge									
Friano	valle	13.9	TR200_TP36H_SP	0.18	21.77	23.34		23.34	0.000012	0.10	1.77	2.72	0.03
Friano	valle	13.9	TR200_TP01H_SP	0.72	21.77	23.23		23.24	0.000267	0.44	1.63	2.56	0.13
Friano	valle	13.9	TR200_TP02H_SP	0.72	21.77	23.23		23.24	0.000267	0.44	1.63	2.56	0.13
Friano	valle	13.9	TR200_TP03H_SP	0.72	21.77	23.23		23.24	0.000267	0.44	1.63	2.56	0.13
Friano	valle	13.9	TR200_TP07H_SP	0.72	21.77	23.23		23.24	0.000267	0.44	1.63	2.56	0.13
Friano	valle	13.9	TR200_TP14H_SP	0.72	21.77	23.23		23.24	0.000267	0.44	1.63	2.56	0.13
Friano	valle	12.950*	TR200_TP36H_SP	0.17	21.75	23.34		23.34	0.000009	0.06	2.57	3.34	0.02
Friano	valle	12.950*	TR200_TP01H_SP	0.88	21.75	23.21		23.22	0.000358	0.40	2.19	2.71	0.14
Friano	valle	12.950*	TR200_TP02H_SP	0.88	21.75	23.21		23.22	0.000358	0.40	2.19	2.71	0.14
Friano	valle	12.950*	TR200_TP03H_SP	0.88	21.75	23.21		23.22	0.000358	0.40	2.19	2.71	0.14
Friano	valle	12.950*	TR200_TP07H_SP	0.88	21.75	23.21		23.22	0.000358	0.40	2.19	2.71	0.14
Friano	valle	12.950*	TR200_TP14H_SP	0.88	21.75	23.21		23.22	0.000358	0.40	2.19	2.71	0.14
Friano	valle	12	TR200_TP36H_SP	0.16	21.72	23.34		23.34	0.000007	0.06	2.87	3.89	0.02
Friano	valle	12	TR200_TP01H_SP	0.95	21.72	23.19		23.20	0.000418	0.41	2.32	3.38	0.16
Friano	valle	12	TR200_TP02H_SP	0.95	21.72	23.19		23.20	0.000418	0.41	2.32	3.38	0.16
Friano	valle	12	TR200_TP03H_SP	0.95	21.72	23.19		23.20	0.000418	0.41	2.32	3.38	0.16
Friano	valle	12	TR200_TP07H_SP	0.95	21.72	23.19		23.20	0.000418	0.41	2.32	3.38	0.16
Friano	valle	12	TR200_TP14H_SP	0.95	21.72	23.19		23.20	0.000418	0.41	2.32	3.38	0.16
Friano	valle	11.667*	TR200_TP36H_SP	0.15	21.70	23.34		23.34	0.000006	0.05	2.93	3.81	0.02
Friano	valle	11.667*	TR200_TP01H_SP	0.78	21.70	23.19		23.19	0.000218	0.32	2.43	3.01	0.11
Friano	valle	11.667*	TR200_TP02H_SP	0.78	21.70	23.19		23.19	0.000218	0.32	2.43	3.01	0.11
Friano	valle	11.667*	TR200_TP03H_SP	0.78	21.70	23.19		23.19	0.000218	0.32	2.43	3.01	0.11
Friano	valle	11.667*	TR200_TP07H_SP	0.78	21.70	23.19		23.19	0.000218	0.32	2.43	3.01	0.11
Friano	valle	11.667*	TR200_TP14H_SP	0.78	21.70	23.19		23.19	0.000218	0.32	2.43	3.01	0.11
Friano	valle	11.333*	TR200_TP36H_SP	0.13	21.67	23.34		23.34	0.000003	0.04	3.08	3.42	0.01
Friano	valle	11.333*	TR200_TP01H_SP	0.72	21.67	23.18		23.19	0.000160	0.28	2.57	3.11	0.10
Friano	valle	11.333*	TR200_TP02H_SP	0.72	21.67	23.18		23.19	0.000160	0.28	2.57	3.11	0.10
Friano	valle	11.333*	TR200_TP03H_SP	0.72	21.67	23.18		23.19	0.000160	0.28	2.57	3.11	0.10
Friano	valle	11.333*	TR200_TP07H_SP	0.72	21.67	23.18		23.19	0.000160	0.28	2.57	3.11	0.10
Friano	valle	11.333*	TR200_TP14H_SP	0.72	21.67	23.18		23.19	0.000160	0.28	2.57	3.11	0.10
Friano	valle	11	TR200_TP36H_SP	0.11	21.65	23.34		23.34	0.000002	0.03	3.55	3.52	0.01
Friano	valle	11	TR200_TP01H_SP	0.45	21.65	23.18		23.18	0.000041	0.15	3.01	3.39	0.05
Friano	valle	11	TR200_TP02H_SP	0.45	21.65	23.18		23.18	0.000041	0.15	3.01	3.39	0.05
Friano	valle	11	TR200_TP03H_SP	0.45	21.65	23.18		23.18	0.000041	0.15	3.01	3.39	0.05
Friano	valle	11	TR200_TP07H_SP	0.45	21.65	23.18		23.18	0.000041	0.15	3.01	3.39	0.05
Friano	valle	11	TR200_TP14H_SP	0.45	21.65	23.18		23.18	0.000041	0.15	3.01	3.39	0.05
Friano	valle	10.500*	TR200_TP36H_SP	0.09	21.62	23.34		23.34	0.000002	0.03	3.10	3.38	0.01
Friano	valle	10.500*	TR200_TP01H_SP	0.50	21.62	23.19		23.19	0.000074	0.19	2.62	3.18	0.07
Friano	valle	10.500*	TR200_TP02H_SP	0.50	21.62	23.19		23.19	0.000074	0.19	2.62	3.18	0.07
Friano	valle	10.500*	TR200_TP03H_SP	0.50	21.62	23.19		23.19	0.000074	0.19	2.62	3.18	0.07
Friano	valle	10.500*	TR200_TP07H_SP	0.50	21.62	23.19		23.19	0.000074	0.19	2.62	3.18	0.07
Friano	valle	10.500*	TR200_TP14H_SP	0.50	21.62	23.19		23.19	0.000074	0.19	2.62	3.18	0.07
Friano	valle	10	TR200_TP36H_SP	0.10	21.60	23.34		23.34	0.000002	0.03	2.98	3.25	0.01
Friano	valle	10	TR200_TP01H_SP	0.59	21.60	23.20		23.20	0.000115	0.23	2.55	3.10	0.08
Friano	valle	10	TR200_TP02H_SP	0.59	21.60	23.20		23.20	0.000115	0.23	2.55	3.10	0.08
Friano	valle	10	TR200_TP03H_SP	0.59	21.60	23.20		23.20	0.000115	0.23	2.55	3.10	0.08
Friano	valle	10	TR200_TP07H_SP	0.59	21.60	23.20		23.20	0.000115	0.23	2.55	3.10	0.08
Friano	valle	10	TR200_TP14H_SP	0.59	21.60	23.20		23.20	0.000115	0.23	2.55	3.10	0.08
Friano	valle	9.6667*	TR200_TP36H_SP	0.09	21.57	23.34		23.34	0.000002	0.03	2.84	3.19	0.01
Friano	valle	9.6667*	TR200_TP01H_SP	0.71	21.57	23.20		23.20	0.000191	0.29	2.42	2.98	0.10
Friano	valle	9.6667*	TR200_TP02H_SP	0.71	21.57	23.20		23.20	0.000191	0.29	2.42	2.98	0.10
Friano	valle	9.6667*	TR200_TP03H_SP	0.71	21.57	23.20		23.20	0.000191	0.29	2.42	2.98	0.10
Friano	valle	9.6667*	TR200_TP07H_SP	0.71	21.57	23.20		23.20	0.000191	0.29	2.42	2.98	0.10
Friano	valle	9.6667*	TR200_TP14H_SP	0.71	21.57	23.20		23.20	0.000191	0.29	2.42	2.98	0.10
Friano	valle	9.3333*	TR200_TP36H_SP	0.05	21.55	23.34		23.34	0.000001	0.02	2.70	3.07	0.01
Friano	valle	9.3333*	TR200_TP01H_SP	0.65	21.55	23.19		23.20	0.000195	0.29	2.27	2.84	0.10
Friano	valle	9.3333*	TR200_TP02H_SP	0.65	21.55	23.19		23.20	0.000195	0.29	2.27	2.84	0.10
Friano	valle	9.3333*	TR200_TP03H_SP	0.65	21.55	23.19		23.20	0.000195	0.29	2.27	2.84	0.10
Friano	valle	9.3333*	TR200_TP07H_SP	0.65	21.55	23.19		23.20	0.000195	0.29	2.27	2.84	0.10
Friano	valle	9.3333*	TR200_TP14H_SP	0.65	21.55	23.19		23.20	0.000195	0.29	2.27	2.84	0.10
Friano	valle	9	TR200_TP36H_SP	0.01	21.52	23.34	21.58	23.34	0.000000	0.00	1.48	2.96	0.00
Friano	valle	9	TR200_TP01H_SP	0.68	21.52	23.17	22.13	23.18	0.000402	0.52	1.32	2.67	0.14
Friano	valle	9	TR200_TP02H_SP	0.68	21.52	23.17	22.13	23.18	0.000402	0.52	1.32	2.67	0.14
Friano	valle	9	TR200_TP03H_SP	0.68	21.52	23.17	22.13	23.18	0.000402	0.52	1.32	2.67	0.14

HEC-RAS Profile: Max WS (Continued)

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
Friano	valle	9	TR200_TP07H_SP	0.68	21.52	23.17	22.13	23.18	0.000402	0.52	1.32	2.67	0.14
Friano	valle	9	TR200_TP14H_SP	0.68	21.52	23.17	22.13	23.18	0.000402	0.52	1.32	2.67	0.14
Friano	valle	8.95		Bridge									
Friano	valle	8.9	TR200_TP36H_SP	0.01	21.52	23.34		23.34	0.000000	0.00	1.48	2.96	0.00
Friano	valle	8.9	TR200_TP01H_SP	0.68	21.52	23.13		23.15	0.000442	0.53	1.29	2.60	0.15
Friano	valle	8.9	TR200_TP02H_SP	0.68	21.52	23.13		23.15	0.000442	0.53	1.29	2.60	0.15
Friano	valle	8.9	TR200_TP03H_SP	0.68	21.52	23.13		23.15	0.000442	0.53	1.29	2.60	0.15
Friano	valle	8.9	TR200_TP07H_SP	0.68	21.52	23.13		23.15	0.000442	0.53	1.29	2.60	0.15
Friano	valle	8.9	TR200_TP14H_SP	0.68	21.52	23.13		23.15	0.000442	0.53	1.29	2.60	0.15
Friano	valle	8	TR200_TP36H_SP	-0.01	21.52	23.34		23.34	0.000000	0.00	2.59	2.53	0.00
Friano	valle	8	TR200_TP01H_SP	0.75	21.52	23.12		23.13	0.000336	0.37	2.05	2.53	0.13
Friano	valle	8	TR200_TP02H_SP	0.75	21.52	23.12		23.13	0.000336	0.37	2.05	2.53	0.13
Friano	valle	8	TR200_TP03H_SP	0.75	21.52	23.12		23.13	0.000336	0.37	2.05	2.53	0.13
Friano	valle	8	TR200_TP07H_SP	0.75	21.52	23.12		23.13	0.000336	0.37	2.05	2.53	0.13
Friano	valle	8	TR200_TP14H_SP	0.75	21.52	23.12		23.13	0.000336	0.37	2.05	2.53	0.13
Friano	valle	7.6667*	TR200_TP36H_SP	-0.02	21.51	23.34		23.34	0.000000	-0.01	2.87	3.03	0.00
Friano	valle	7.6667*	TR200_TP01H_SP	0.78	21.51	23.11		23.12	0.000313	0.36	2.19	2.99	0.13
Friano	valle	7.6667*	TR200_TP02H_SP	0.78	21.51	23.11		23.12	0.000313	0.36	2.19	2.99	0.13
Friano	valle	7.6667*	TR200_TP03H_SP	0.78	21.51	23.11		23.12	0.000313	0.36	2.19	2.99	0.13
Friano	valle	7.6667*	TR200_TP07H_SP	0.78	21.51	23.11		23.12	0.000313	0.36	2.19	2.99	0.13
Friano	valle	7.6667*	TR200_TP14H_SP	0.78	21.51	23.11		23.12	0.000313	0.36	2.19	2.99	0.13
Friano	valle	7.3333*	TR200_TP36H_SP	-0.04	21.51	23.34		23.34	0.000000	-0.01	3.07	3.54	0.00
Friano	valle	7.3333*	TR200_TP01H_SP	0.82	21.51	23.10		23.10	0.000332	0.37	2.24	3.16	0.14
Friano	valle	7.3333*	TR200_TP02H_SP	0.82	21.51	23.10		23.10	0.000332	0.37	2.24	3.16	0.14
Friano	valle	7.3333*	TR200_TP03H_SP	0.82	21.51	23.10		23.10	0.000332	0.37	2.24	3.16	0.14
Friano	valle	7.3333*	TR200_TP07H_SP	0.82	21.51	23.10		23.10	0.000332	0.37	2.24	3.16	0.14
Friano	valle	7.3333*	TR200_TP14H_SP	0.82	21.51	23.10		23.10	0.000332	0.37	2.24	3.16	0.14
Friano	valle	7	TR200_TP36H_SP	-0.05	21.50	23.34		23.34	0.000000	-0.02	3.18	4.04	0.01
Friano	valle	7	TR200_TP01H_SP	0.85	21.50	23.07		23.08	0.000366	0.38	2.23	3.20	0.15
Friano	valle	7	TR200_TP02H_SP	0.85	21.50	23.07		23.08	0.000366	0.38	2.23	3.20	0.15
Friano	valle	7	TR200_TP03H_SP	0.85	21.50	23.07		23.08	0.000366	0.38	2.23	3.20	0.15
Friano	valle	7	TR200_TP07H_SP	0.44	21.50	23.08		23.08	0.000096	0.20	2.23	3.20	0.08
Friano	valle	7	TR200_TP14H_SP	0.43	21.50	23.09		23.09	0.000088	0.19	2.28	3.25	0.07
Friano	valle	6.7500*	TR200_TP36H_SP	-0.05	21.50	23.34		23.34	0.000000	-0.02	3.34	3.70	0.01
Friano	valle	6.7500*	TR200_TP01H_SP	0.89	21.50	23.06		23.06	0.000350	0.38	2.32	3.36	0.15
Friano	valle	6.7500*	TR200_TP02H_SP	0.89	21.50	23.06		23.06	0.000350	0.38	2.32	3.36	0.15
Friano	valle	6.7500*	TR200_TP03H_SP	0.89	21.50	23.06		23.06	0.000350	0.38	2.32	3.36	0.15
Friano	valle	6.7500*	TR200_TP07H_SP	0.41	21.50	23.08		23.08	0.000069	0.17	2.39	3.41	0.07
Friano	valle	6.7500*	TR200_TP14H_SP	0.40	21.50	23.09		23.09	0.000064	0.17	2.43	3.45	0.06
Friano	valle	6.5000*	TR200_TP36H_SP	-0.04	21.50	23.34		23.34	0.000000	-0.01	3.40	3.37	0.00
Friano	valle	6.5000*	TR200_TP01H_SP	0.91	21.50	23.04		23.05	0.000326	0.38	2.40	3.37	0.14
Friano	valle	6.5000*	TR200_TP02H_SP	0.34	21.50	23.04		23.04	0.000046	0.14	2.41	3.37	0.05
Friano	valle	6.5000*	TR200_TP03H_SP	0.36	21.50	23.05		23.05	0.000049	0.15	2.44	3.37	0.06
Friano	valle	6.5000*	TR200_TP07H_SP	0.38	21.50	23.07		23.08	0.000049	0.15	2.52	3.37	0.06
Friano	valle	6.5000*	TR200_TP14H_SP	0.38	21.50	23.09		23.09	0.000046	0.15	2.56	3.37	0.05
Friano	valle	6.2500*	TR200_TP36H_SP	-0.03	21.49	23.34		23.34	0.000000	-0.01	3.37	3.03	0.00
Friano	valle	6.2500*	TR200_TP01H_SP	0.33	21.49	23.03		23.03	0.000035	0.14	2.45	3.03	0.05
Friano	valle	6.2500*	TR200_TP02H_SP	0.34	21.49	23.04		23.04	0.000036	0.14	2.47	3.03	0.05
Friano	valle	6.2500*	TR200_TP03H_SP	0.35	21.49	23.05		23.05	0.000038	0.14	2.50	3.03	0.05
Friano	valle	6.2500*	TR200_TP07H_SP	0.37	21.49	23.07		23.08	0.000038	0.14	2.57	3.03	0.05
Friano	valle	6.2500*	TR200_TP14H_SP	0.37	21.49	23.09		23.09	0.000035	0.14	2.61	3.03	0.05
Friano	valle	6	TR200_TP36H_SP	-0.02	21.49	23.34		23.34	0.000000	-0.01	3.24	2.70	0.00
Friano	valle	6	TR200_TP01H_SP	0.33	21.49	23.03		23.03	0.000037	0.14	2.41	2.70	0.05
Friano	valle	6	TR200_TP02H_SP	0.34	21.49	23.04		23.04	0.000037	0.14	2.44	2.70	0.05
Friano	valle	6	TR200_TP03H_SP	0.35	21.49	23.05		23.05	0.000040	0.14	2.46	2.70	0.05
Friano	valle	6	TR200_TP07H_SP	0.37	21.49	23.07		23.07	0.000042	0.15	2.52	2.70	0.05
Friano	valle	6	TR200_TP14H_SP	0.37	21.49	23.09		23.09	0.000039	0.15	2.56	2.70	0.05
Friano	valle	5.6667*	TR200_TP36H_SP	-0.02	21.48	23.34		23.34	0.000000	0.00	3.44	2.88	0.00
Friano	valle	5.6667*	TR200_TP01H_SP	0.35	21.48	23.03		23.03	0.000034	0.13	2.56	2.88	0.05
Friano	valle	5.6667*	TR200_TP02H_SP	0.35	21.48	23.04		23.04	0.000034	0.14	2.59	2.88	0.05
Friano	valle	5.6667*	TR200_TP03H_SP	0.37	21.48	23.05		23.05	0.000037	0.14	2.61	2.88	0.05
Friano	valle	5.6667*	TR200_TP07H_SP	0.40	21.48	23.07		23.07	0.000040	0.15	2.68	2.88	0.05
Friano	valle	5.6667*	TR200_TP14H_SP	0.40	21.48	23.09		23.09	0.000039	0.15	2.72	2.88	0.05
Friano	valle	5.3333*	TR200_TP36H_SP	0.00	21.48	23.34		23.34	0.000000	0.00	3.65	3.07	0.00
Friano	valle	5.3333*	TR200_TP01H_SP	0.33	21.48	23.04		23.04	0.000026	0.12	2.73	3.07	0.04
Friano	valle	5.3333*	TR200_TP02H_SP	0.38	21.48	23.04		23.04	0.000033	0.14	2.74	3.07	0.05
Friano	valle	5.3333*	TR200_TP03H_SP	0.39	21.48	23.05		23.05	0.000036	0.14	2.76	3.07	0.05
Friano	valle	5.3333*	TR200_TP07H_SP	0.42	21.48	23.07		23.07	0.000038	0.15	2.83	3.07	0.05
Friano	valle	5.3333*	TR200_TP14H_SP	0.43	21.48	23.08		23.09	0.000038	0.15	2.88	3.07	0.05
Friano	valle	5	TR200_TP36H_SP	0.02	21.47	23.34		23.34	0.000000	0.00	3.86	3.25	0.00
Friano	valle	5	TR200_TP01H_SP	0.00	21.47	23.06		23.06	0.000000	0.00	2.96	3.23	0.00
Friano	valle	5	TR200_TP02H_SP	0.00	21.47	23.06		23.06	0.000000	0.00	2.96	3.23	0.00
Friano	valle	5	TR200_TP03H_SP	0.00	21.47	23.06		23.06	0.000000	0.00	2.96	3.23	0.00
Friano	valle	5	TR200_TP07H_SP	0.42	21.47	23.07		23.07	0.000033	0.14	2.99	3.24	0.05
Friano	valle	5	TR200_TP14H_SP	0.43	21.47	23.08		23.09	0.000034	0.14	3.03	3.25	0.05
Friano	valle	4.6667*	TR200_TP36H_SP	0.01	21.45	23.34		23.34	0.000000	0.00	4.14	3.65	0.00
Friano	valle	4.6667*	TR200_TP01H_SP	-0.03	21.45	23.08		23.08	0.000000	-0.01	3.21	3.58	0.00
Friano	valle	4.6667*	TR200_TP02H_SP	-0.03	21.45	23.08		23.08	0.000000	-0.01	3.21	3.58	0.00
Friano	valle	4.6667*	TR200_TP03H_SP	-0.03	21.45	23.08		23.08	0.000000	-0.01	3.21	3.58	0.00
Friano	valle	4.6667*	TR200_TP07H_SP	-0.03	21.45	23.08		23.08	0.000000	-0.01	3.21	3.58	0.00
Friano	valle	4.6667*	TR200_TP14H_SP	-0.03	21.45	23.08		23.08	0.000000	-0.01	3.21	3.58	0.00
Friano	valle	4.3333*	TR200_TP36H_SP	0.01	21.43	23.34		23.34	0.000000	0.00	4.40	4.06	0.00
Friano	valle	4.3333*	TR200_TP01H_SP	0.26	21.43	23.10		23.10	0.000009	0.08	3.46	3.72	0.02
Friano	valle	4.3333*	TR200_TP02H_SP	0.26	21.43	23.10		23.10	0.000009	0.08	3.46	3.72	0.02
Friano	valle	4.3333*	TR200_TP03H_SP	0.26	21.43	23.10		23.10	0.000009	0.08	3.46	3.72	0.02
Friano	valle	4.3333*	TR200_TP07H_SP	0.26	21.43	23.10		23.10	0.000009	0.08	3.46	3.72	0.02

HEC-RAS Profile: Max WS (Continued)

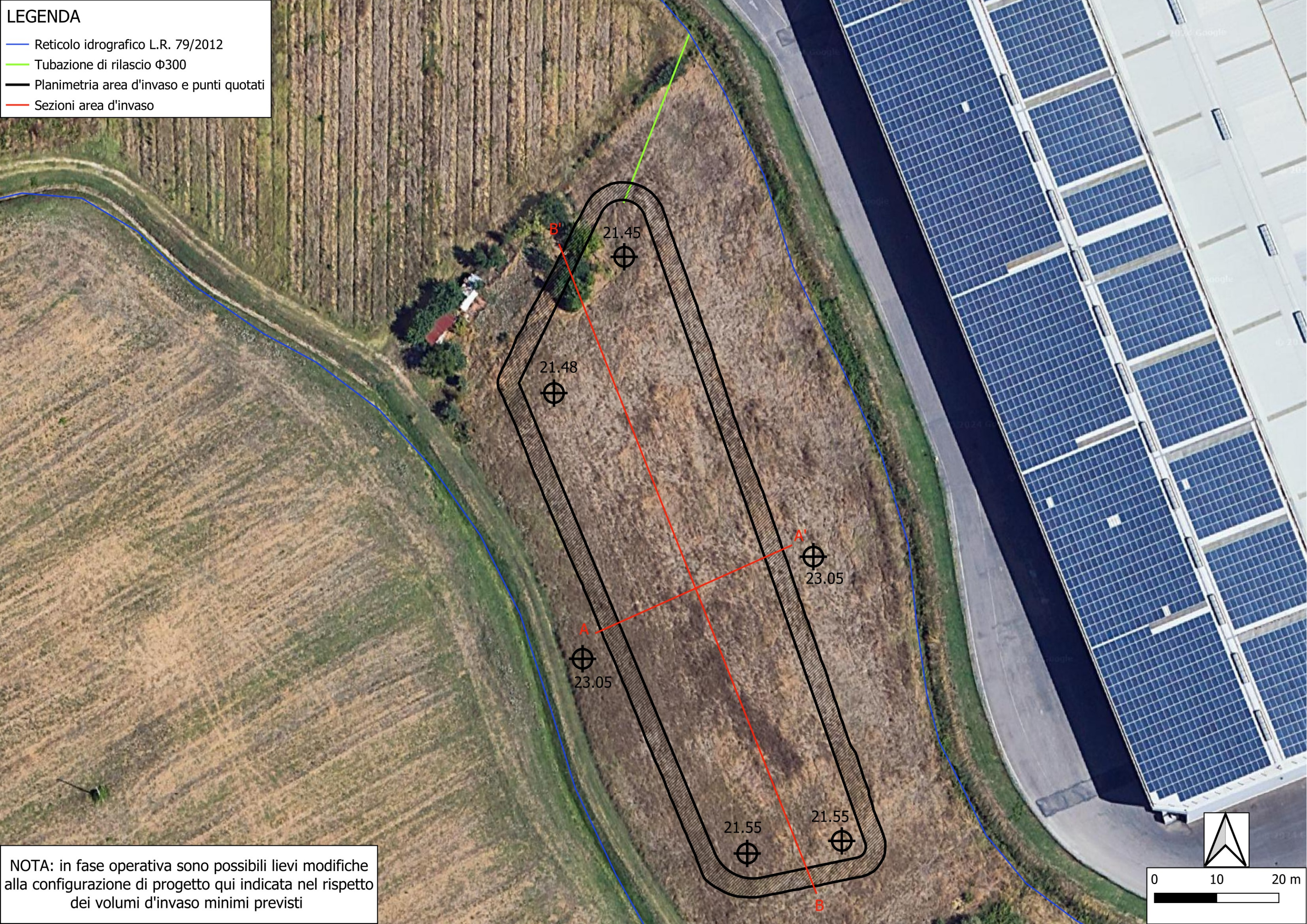
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Friano	valle	4.3333*	TR200_TP14H_SP	0.26	21.43	23.10		23.10	0.000009	0.08	3.46	3.72	0.02
Friano	valle	4	TR200_TP36H_SP	0.00	21.41	23.34		23.34	0.000000	0.00	2.55	4.25	0.00
Friano	valle	4	TR200_TP01H_SP	0.58	21.41	23.10		23.11	0.000563	0.36	1.64	3.66	0.17
Friano	valle	4	TR200_TP02H_SP	0.58	21.41	23.10		23.11	0.000563	0.36	1.64	3.66	0.17
Friano	valle	4	TR200_TP03H_SP	0.58	21.41	23.10		23.11	0.000563	0.36	1.64	3.66	0.17
Friano	valle	4	TR200_TP07H_SP	0.58	21.41	23.10		23.11	0.000563	0.36	1.64	3.66	0.17
Friano	valle	4	TR200_TP14H_SP	0.58	21.41	23.10		23.11	0.000563	0.36	1.64	3.66	0.17
Friano	valle	3.5		Culvert									
Friano	valle	3	TR200_TP36H_SP	0.00	20.84	23.34		23.34	0.000000	0.00	3.75	6.59	0.00
Friano	valle	3	TR200_TP01H_SP	0.58	20.84	21.61		21.65	0.001166	0.95	0.61	2.80	0.35
Friano	valle	3	TR200_TP02H_SP	0.58	20.84	21.61		21.65	0.001166	0.95	0.61	2.80	0.35
Friano	valle	3	TR200_TP03H_SP	0.58	20.84	21.61		21.65	0.001166	0.95	0.61	2.80	0.35
Friano	valle	3	TR200_TP07H_SP	0.58	20.84	21.61		21.65	0.001166	0.95	0.61	2.80	0.35
Friano	valle	3	TR200_TP14H_SP	0.58	20.84	21.61		21.65	0.001166	0.95	0.61	2.80	0.35
Friano	valle	2.99		Lat Struct									
Friano	valle	2.98		Lat Struct									
Friano	valle	2.9000*	TR200_TP36H_SP	0.00	20.84	23.34		23.34	0.000000	0.00	9.23	6.88	0.00
Friano	valle	2.9000*	TR200_TP01H_SP	0.59	20.84	21.62		21.63	0.000329	0.36	1.63	2.79	0.15
Friano	valle	2.9000*	TR200_TP02H_SP	0.59	20.84	21.62		21.63	0.000329	0.36	1.63	2.79	0.15
Friano	valle	2.9000*	TR200_TP03H_SP	0.59	20.84	21.62		21.63	0.000329	0.36	1.63	2.79	0.15
Friano	valle	2.9000*	TR200_TP07H_SP	0.59	20.84	21.62		21.63	0.000329	0.36	1.63	2.79	0.15
Friano	valle	2.9000*	TR200_TP14H_SP	0.59	20.84	21.62		21.63	0.000329	0.36	1.63	2.79	0.15
Friano	valle	2.8000*	TR200_TP36H_SP	0.00	20.83	23.34		23.34	0.000000	0.00	9.23	7.01	0.00
Friano	valle	2.8000*	TR200_TP01H_SP	0.61	20.83	21.62		21.63	0.000396	0.39	1.55	2.75	0.17
Friano	valle	2.8000*	TR200_TP02H_SP	0.61	20.83	21.62		21.63	0.000396	0.39	1.55	2.75	0.17
Friano	valle	2.8000*	TR200_TP03H_SP	0.61	20.83	21.62		21.63	0.000396	0.39	1.55	2.75	0.17
Friano	valle	2.8000*	TR200_TP07H_SP	0.61	20.83	21.62		21.63	0.000396	0.39	1.55	2.75	0.17
Friano	valle	2.8000*	TR200_TP14H_SP	0.61	20.83	21.62		21.63	0.000396	0.39	1.55	2.75	0.17
Friano	valle	2.7000*	TR200_TP36H_SP	0.00	20.83	23.34		23.34	0.000000	0.00	9.20	7.05	0.00
Friano	valle	2.7000*	TR200_TP01H_SP	0.62	20.83	21.62		21.63	0.000479	0.42	1.48	2.72	0.18
Friano	valle	2.7000*	TR200_TP02H_SP	0.62	20.83	21.62		21.63	0.000479	0.42	1.48	2.72	0.18
Friano	valle	2.7000*	TR200_TP03H_SP	0.62	20.83	21.62		21.63	0.000479	0.42	1.48	2.72	0.18
Friano	valle	2.7000*	TR200_TP07H_SP	0.62	20.83	21.62		21.63	0.000479	0.42	1.48	2.72	0.18
Friano	valle	2.7000*	TR200_TP14H_SP	0.62	20.83	21.62		21.63	0.000479	0.42	1.48	2.72	0.18
Friano	valle	2.6000*	TR200_TP36H_SP	0.00	20.82	23.34		23.34	0.000000	0.00	9.15	7.02	0.00
Friano	valle	2.6000*	TR200_TP01H_SP	0.63	20.82	21.62		21.63	0.000584	0.45	1.40	2.69	0.20
Friano	valle	2.6000*	TR200_TP02H_SP	0.63	20.82	21.62		21.63	0.000584	0.45	1.40	2.69	0.20
Friano	valle	2.6000*	TR200_TP03H_SP	0.63	20.82	21.62		21.63	0.000584	0.45	1.40	2.69	0.20
Friano	valle	2.6000*	TR200_TP07H_SP	0.63	20.82	21.62		21.63	0.000584	0.45	1.40	2.69	0.20
Friano	valle	2.6000*	TR200_TP14H_SP	0.63	20.82	21.62		21.63	0.000584	0.45	1.40	2.69	0.20
Friano	valle	2.5000	TR200_TP36H_SP	0.00	20.82	23.34		23.34	0.000000	0.00	9.07	6.84	0.00
Friano	valle	2.5000	TR200_TP01H_SP	0.65	20.82	21.62		21.63	0.000716	0.49	1.32	2.66	0.22
Friano	valle	2.5000	TR200_TP02H_SP	0.65	20.82	21.62		21.63	0.000716	0.49	1.32	2.66	0.22
Friano	valle	2.5000	TR200_TP03H_SP	0.65	20.82	21.62		21.63	0.000716	0.49	1.32	2.66	0.22
Friano	valle	2.5000	TR200_TP07H_SP	0.65	20.82	21.62		21.63	0.000716	0.49	1.32	2.66	0.22
Friano	valle	2.5000	TR200_TP14H_SP	0.65	20.82	21.62		21.63	0.000716	0.49	1.32	2.66	0.22
Friano	valle	2	TR200_TP36H_SP	0.00	20.80	23.34		23.34	0.000000	0.00	8.19	5.64	0.00
Friano	valle	2	TR200_TP01H_SP	0.68	20.80	21.59		21.61	0.002015	0.68	1.00	2.69	0.36
Friano	valle	2	TR200_TP02H_SP	0.68	20.80	21.59		21.61	0.002015	0.68	1.00	2.69	0.36
Friano	valle	2	TR200_TP03H_SP	0.68	20.80	21.59		21.61	0.002015	0.68	1.00	2.69	0.36
Friano	valle	2	TR200_TP07H_SP	0.68	20.80	21.59		21.61	0.002015	0.68	1.00	2.69	0.36
Friano	valle	2	TR200_TP14H_SP	0.68	20.80	21.59		21.61	0.002015	0.68	1.00	2.69	0.36
Friano	valle	1.7500*	TR200_TP36H_SP	0.00	20.75	23.34		23.34	0.000000	0.00	8.12	5.85	0.00
Friano	valle	1.7500*	TR200_TP01H_SP	0.69	20.75	21.53		21.56	0.002994	0.80	0.87	2.28	0.41
Friano	valle	1.7500*	TR200_TP02H_SP	0.69	20.75	21.53		21.56	0.002994	0.80	0.87	2.28	0.41
Friano	valle	1.7500*	TR200_TP03H_SP	0.69	20.75	21.53		21.56	0.002994	0.80	0.87	2.28	0.41
Friano	valle	1.7500*	TR200_TP07H_SP	0.69	20.75	21.53		21.56	0.002994	0.80	0.87	2.28	0.41
Friano	valle	1.7500*	TR200_TP14H_SP	0.69	20.75	21.53		21.56	0.002994	0.80	0.87	2.28	0.41
Friano	valle	1.5000*	TR200_TP36H_SP	0.00	20.70	23.34		23.34	0.000000	0.00	8.16	6.08	0.00
Friano	valle	1.5000*	TR200_TP01H_SP	0.69	20.70	21.48		21.51	0.001813	0.70	0.98	1.82	0.30
Friano	valle	1.5000*	TR200_TP02H_SP	0.69	20.70	21.48		21.51	0.001813	0.70	0.98	1.82	0.30
Friano	valle	1.5000*	TR200_TP03H_SP	0.69	20.70	21.48		21.51	0.001813	0.70	0.98	1.82	0.30
Friano	valle	1.5000*	TR200_TP07H_SP	0.69	20.70	21.48		21.51	0.001813	0.70	0.98	1.82	0.30
Friano	valle	1.5000*	TR200_TP14H_SP	0.69	20.70	21.48		21.51	0.001813	0.70	0.98	1.82	0.30
Friano	valle	1.2500*	TR200_TP36H_SP	0.00	20.64	23.34		23.34	0.000000	0.00	8.29	6.33	0.00
Friano	valle	1.2500*	TR200_TP01H_SP	0.69	20.64	21.46		21.48	0.000883	0.54	1.27	1.84	0.21
Friano	valle	1.2500*	TR200_TP02H_SP	0.69	20.64	21.46		21.48	0.000883	0.54	1.27	1.84	0.21
Friano	valle	1.2500*	TR200_TP03H_SP	0.69	20.64	21.46		21.48	0.000883	0.54	1.27	1.84	0.21
Friano	valle	1.2500*	TR200_TP07H_SP	0.69	20.64	21.46		21.48	0.000883	0.54	1.27	1.84	0.21
Friano	valle	1.2500*	TR200_TP14H_SP	0.69	20.64	21.46		21.48	0.000883	0.54	1.27	1.84	0.21
Friano	valle	1	TR200_TP36H_SP	0.00	20.59	23.34	20.60	23.34	0.000000	0.00	8.53	5.99	0.00
Friano	valle	1	TR200_TP01H_SP	0.69	20.59	21.45	20.84	21.46	0.000456	0.42	1.63	2.00	0.15
Friano	valle	1	TR200_TP02H_SP	0.69	20.59	21.45	20.84	21.46	0.000456	0.42	1.63	2.00	0.15
Friano	valle	1	TR200_TP03H_SP	0.69	20.59	21.45	20.84	21.46	0.000456	0.42	1.63	2.00	0.15
Friano	valle	1	TR200_TP07H_SP	0.69	20.59	21.45	20.84	21.46	0.000456	0.42	1.63	2.00	0.15
Friano	valle	1	TR200_TP14H_SP	0.69	20.59	21.45	20.84	21.46	0.000456	0.42	1.63	2.00	0.15
Friano	valle	0.95		Ini Struct									
Friano	valle	0.9	TR200_TP36H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15
Friano	valle	0.9	TR200_TP01H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15
Friano	valle	0.9	TR200_TP02H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15
Friano	valle	0.9	TR200_TP03H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15
Friano	valle	0.9	TR200_TP07H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15
Friano	valle	0.9	TR200_TP14H_SP	0.69	20.59	21.45		21.45	0.000462	0.43	1.62	2.00	0.15

HEC-RAS Profile: Max WS (Continued)

[illegible]

LEGENDA

- Reticolo idrografico L.R. 79/2012
- Tubazione di rilascio $\Phi 300$
- Planimetria area d'invaso e punti quotati
- Sezioni area d'invaso



NOTA: in fase operativa sono possibili lievi modifiche alla configurazione di progetto qui indicata nel rispetto dei volumi d'invaso minimi previsti



