



Comune di Fucecchio

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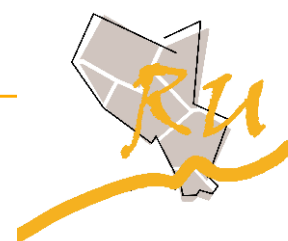
Valutazione Ambientale Strategica e Studio di Incidenza
Società D.R.E.A.M. Italia Soc. Coop.
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Aspetti socioeconomici
Alfamark - comunicazione e marketing
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Verifiche idrauliche

C.6

ADOZIONE con Del.C.C. n.16 del 07/04/2014
APPROVAZIONE con Del.C.C. n.22 del 14/05/2015



VERIFICHE IDRAULICHE

STATO ATTUALE

Comune di Fucecchio

- **Scenario A1:** Tempo di pioggia critico Rio Fucecchio e Canale Maestro
- **Scenario A2:** Tempo di pioggia critico Rio Vallebuia
- **Scenario A3:** Tempo di pioggia critico Rio Macone
- **Scenario B:** Tempo di pioggia critico torrente Vincio
- **Scenario C:** Tempo di pioggia 24 h
- **Scenario D:** Tempo di pioggia 36 h

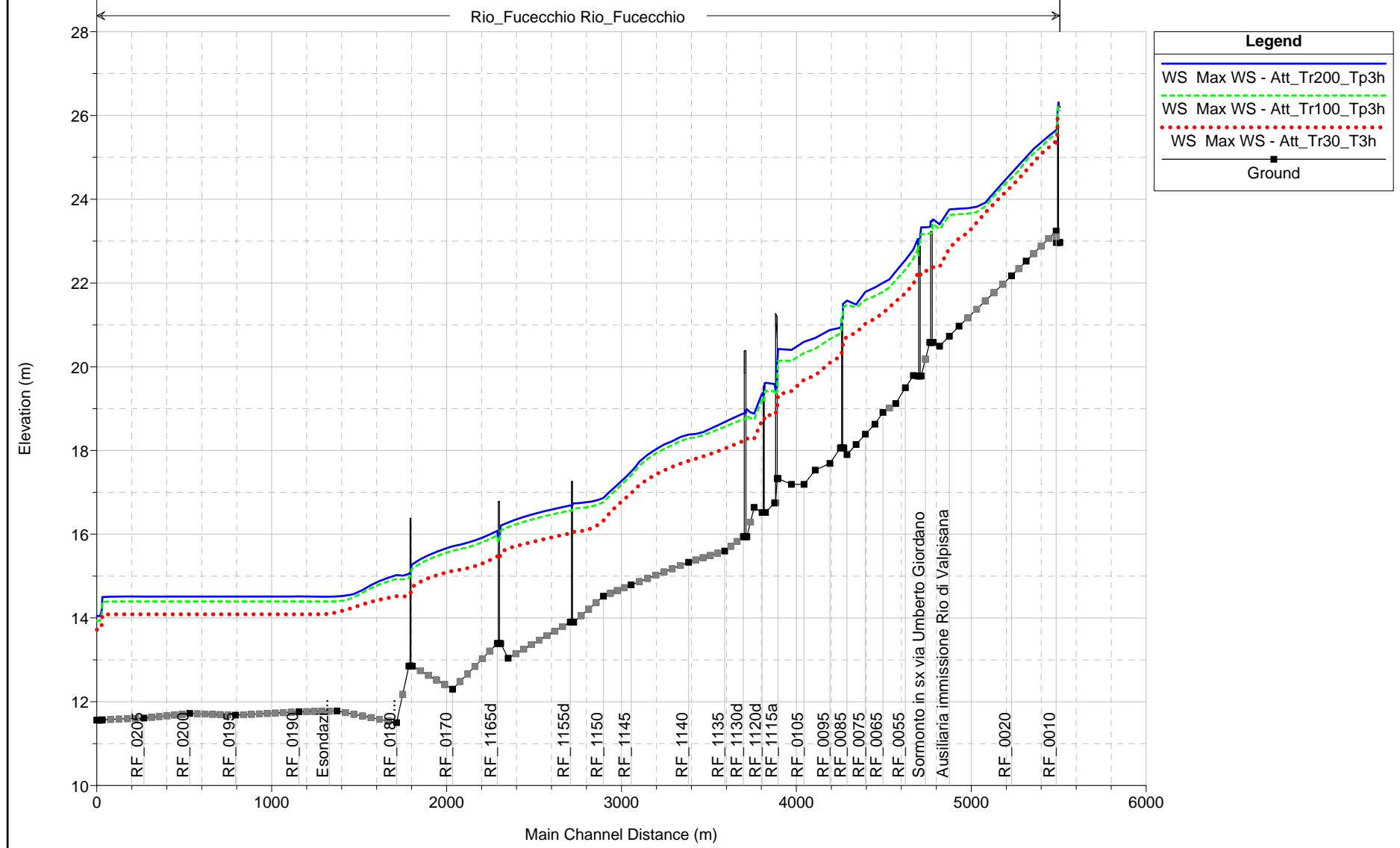
Scenario A1

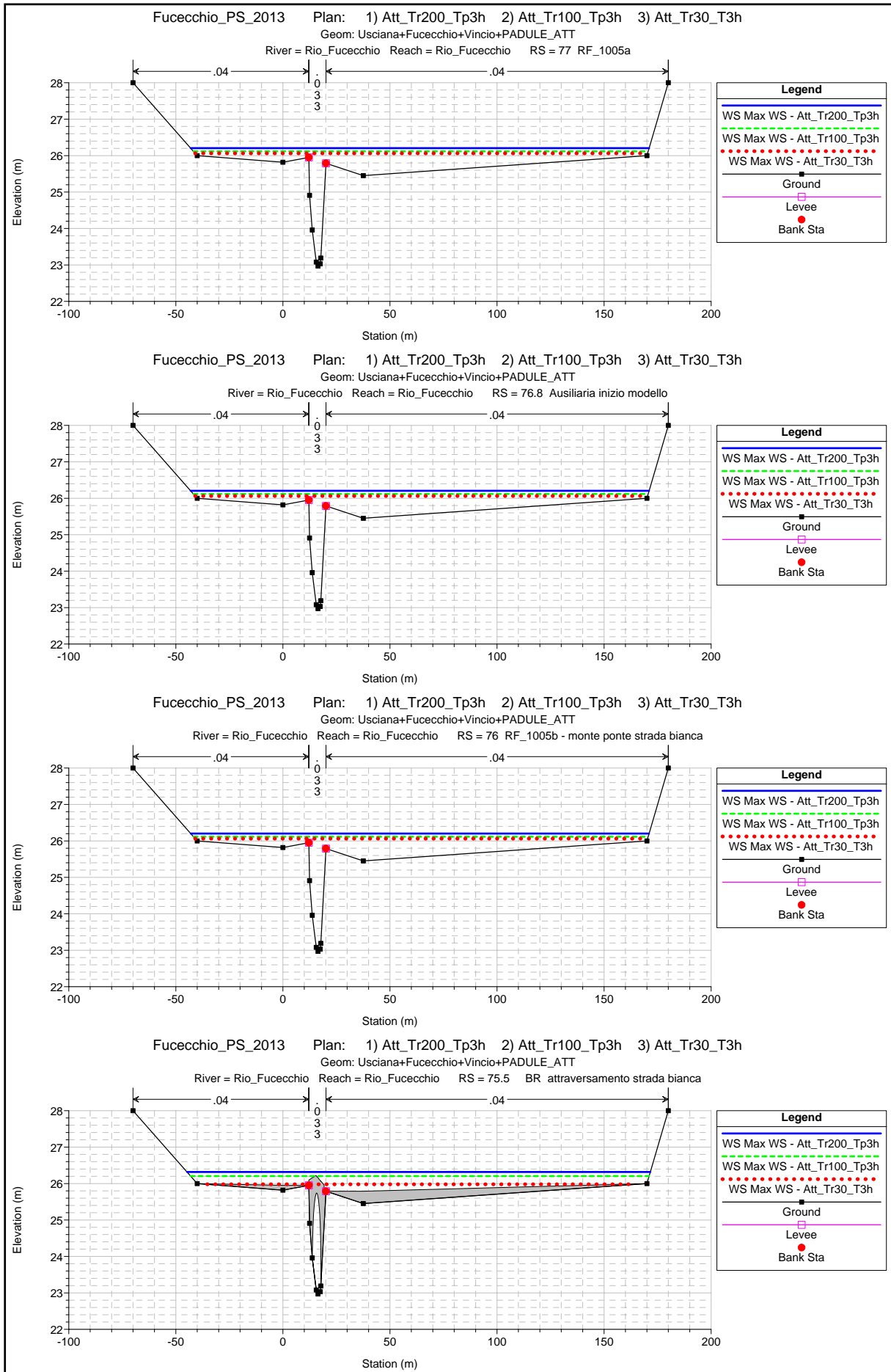
Tr 200, 100 e 30 anni

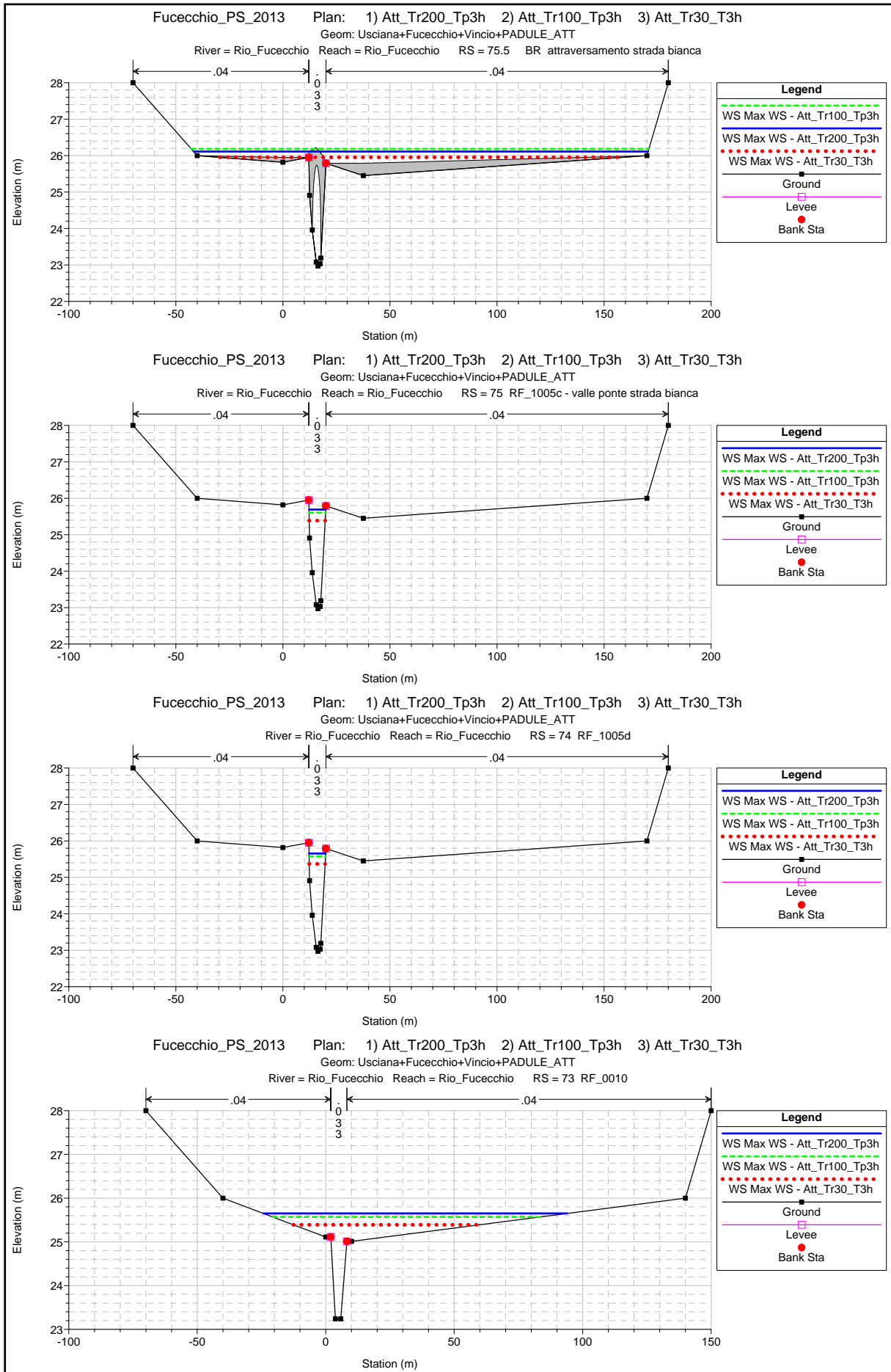
RIO DI FUCECCHIO

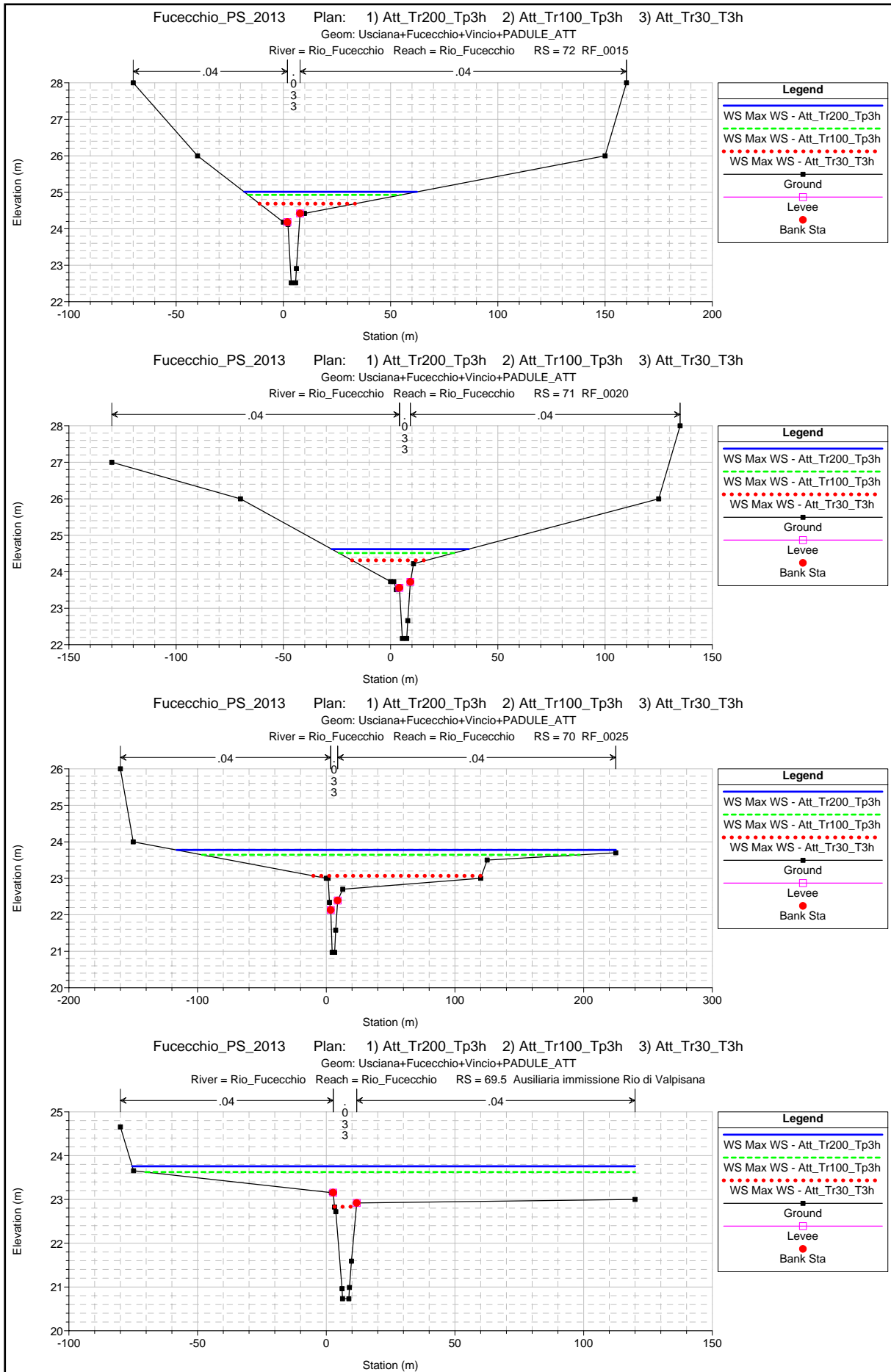
- **Profili**
- **Sezioni**
- **Tabelle di Output**

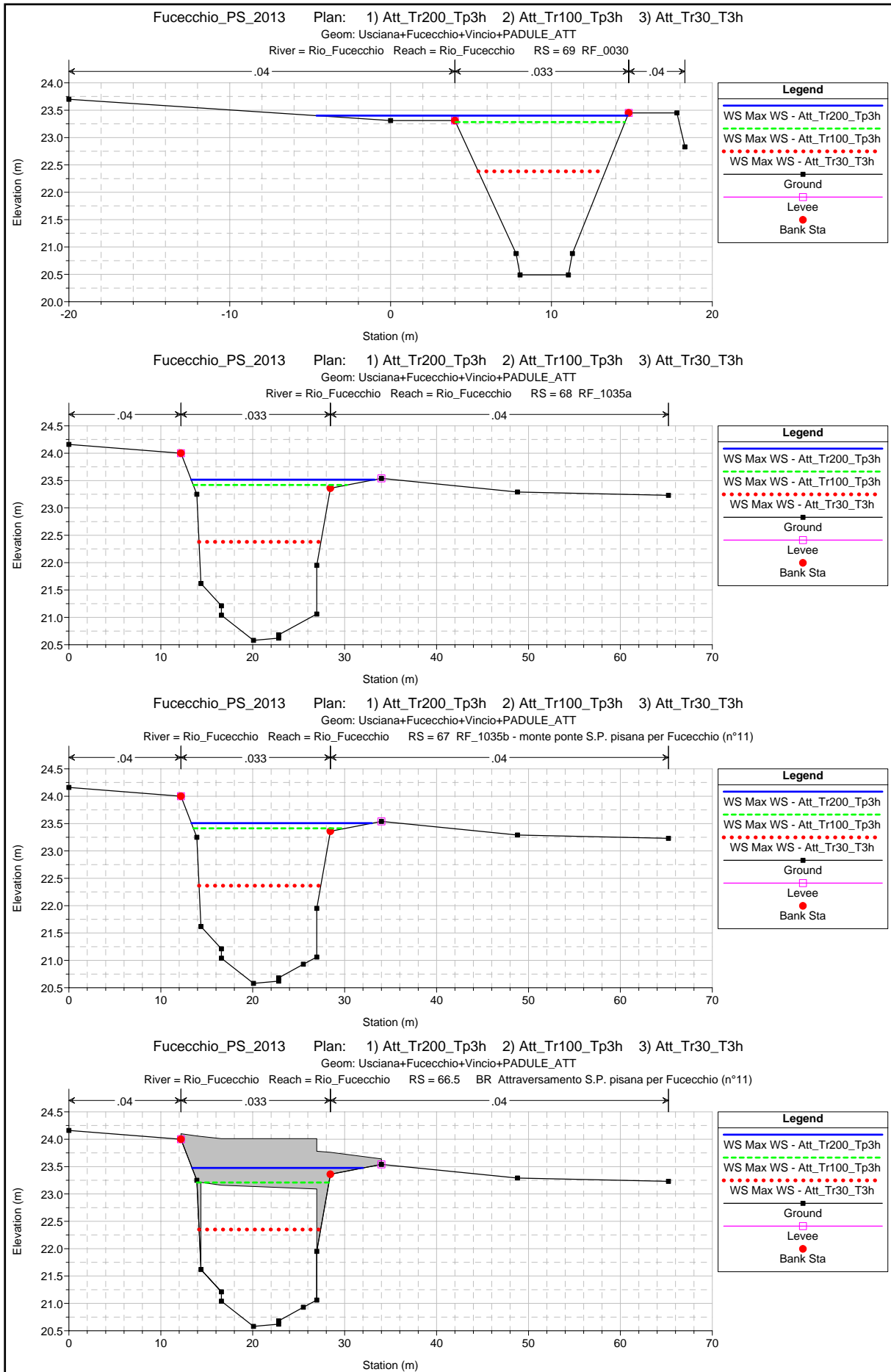
Fucecchio_PS_2013 Plan: 1) Att_Tr200_Tp3h 2) Att_Tr100_Tp3h 3) Att_Tr30_T3h
 Geom: Usciana+Fucecchio+Vincio+PADULE_ATT

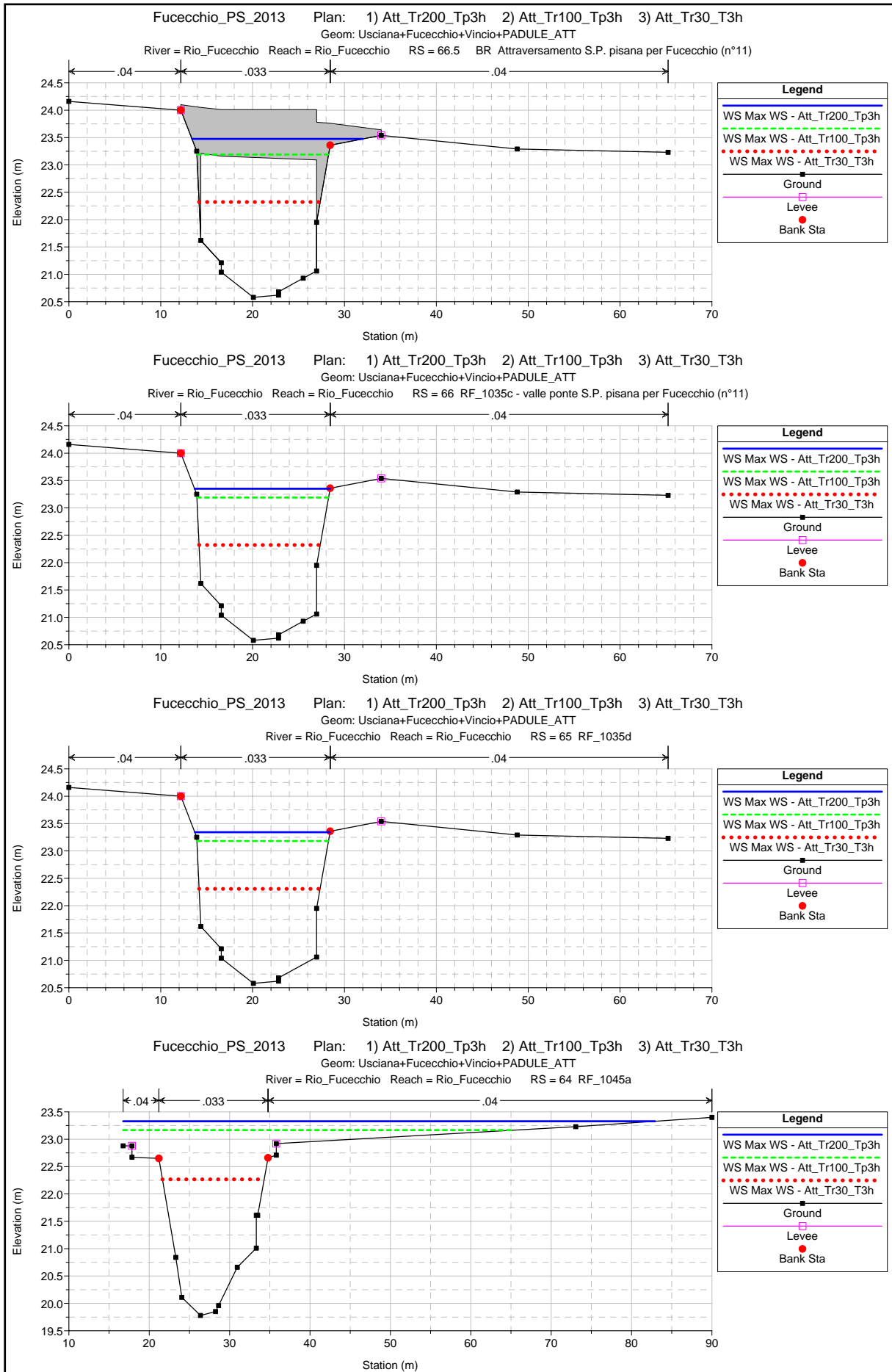


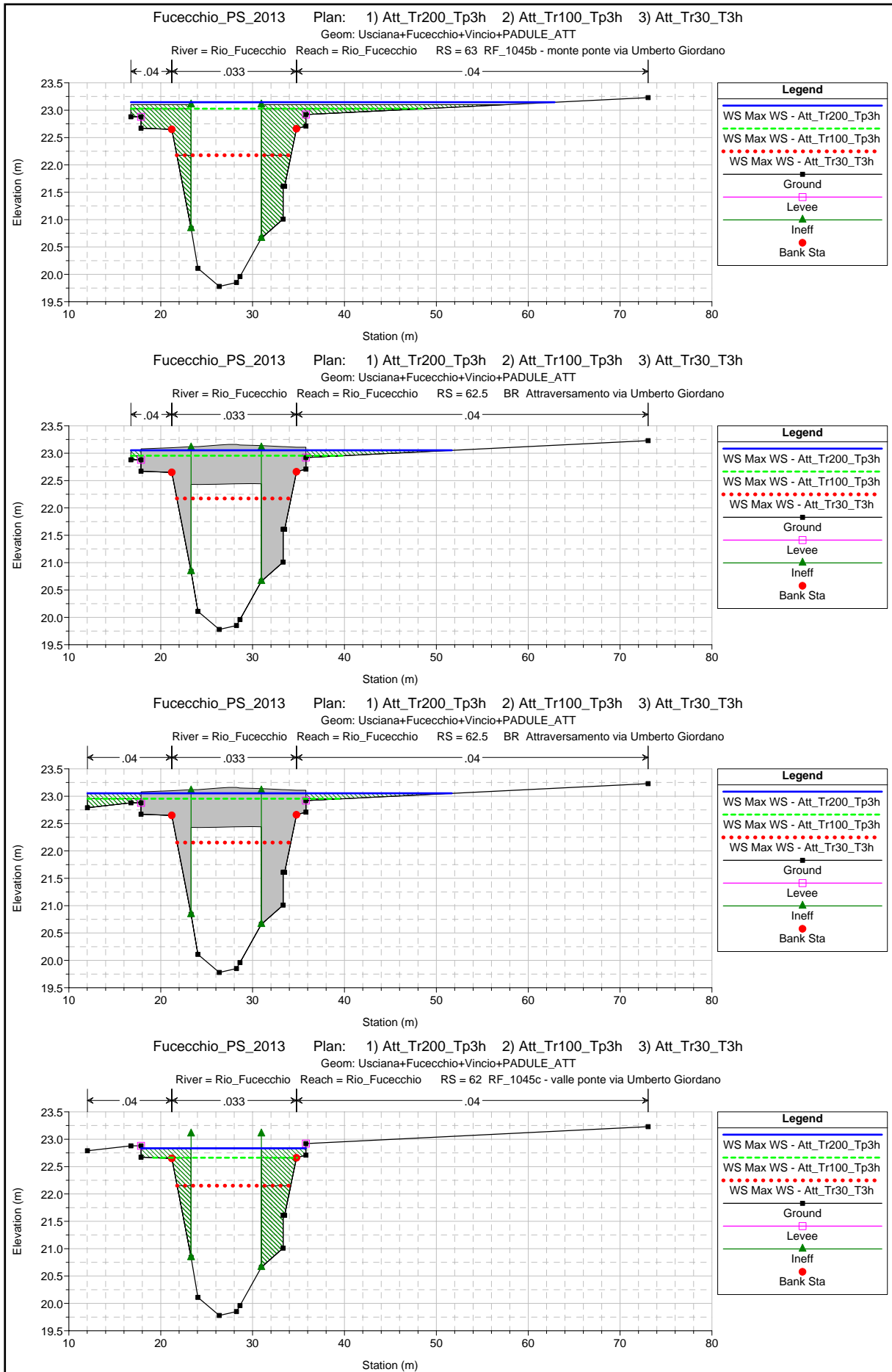


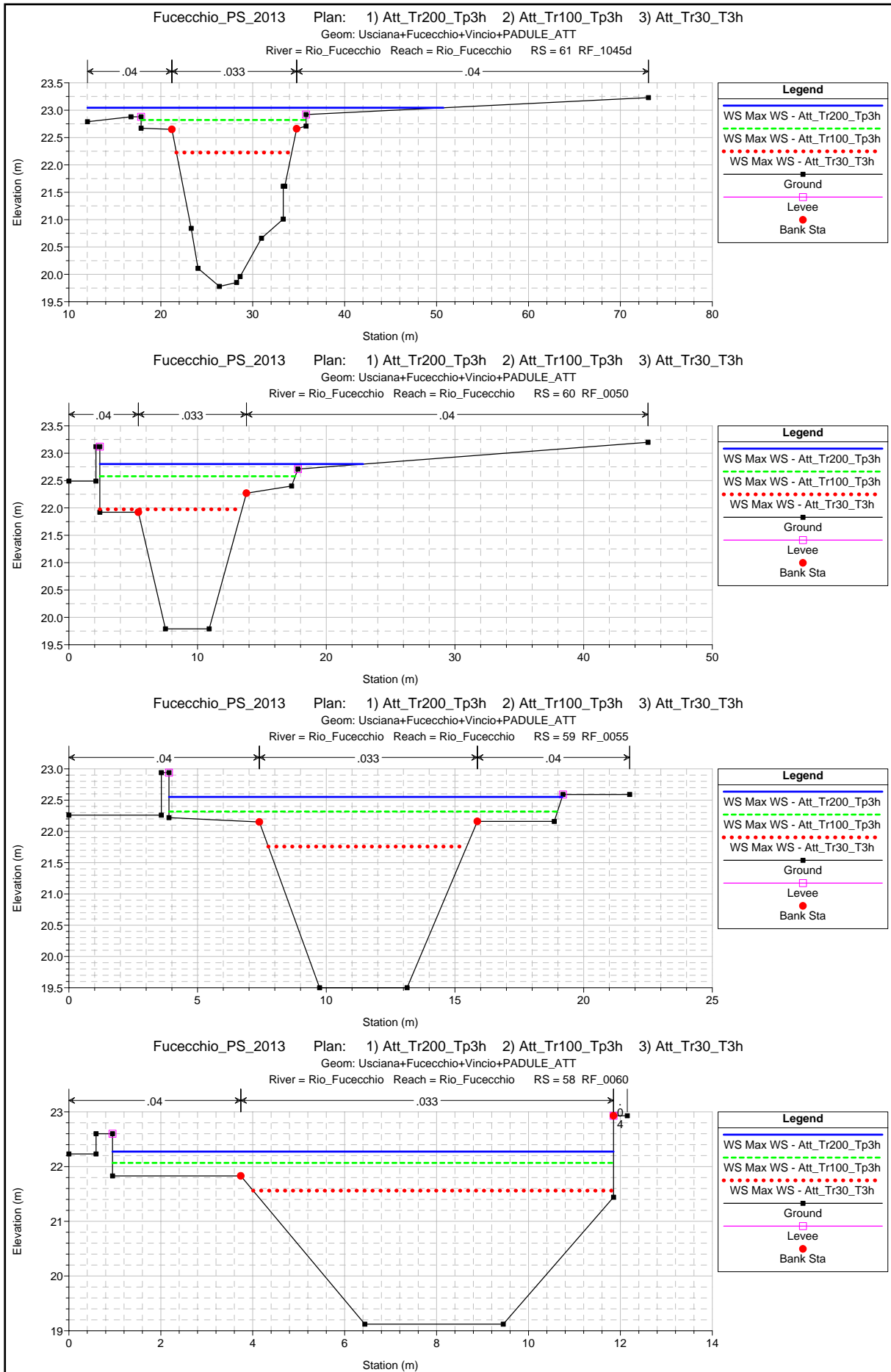


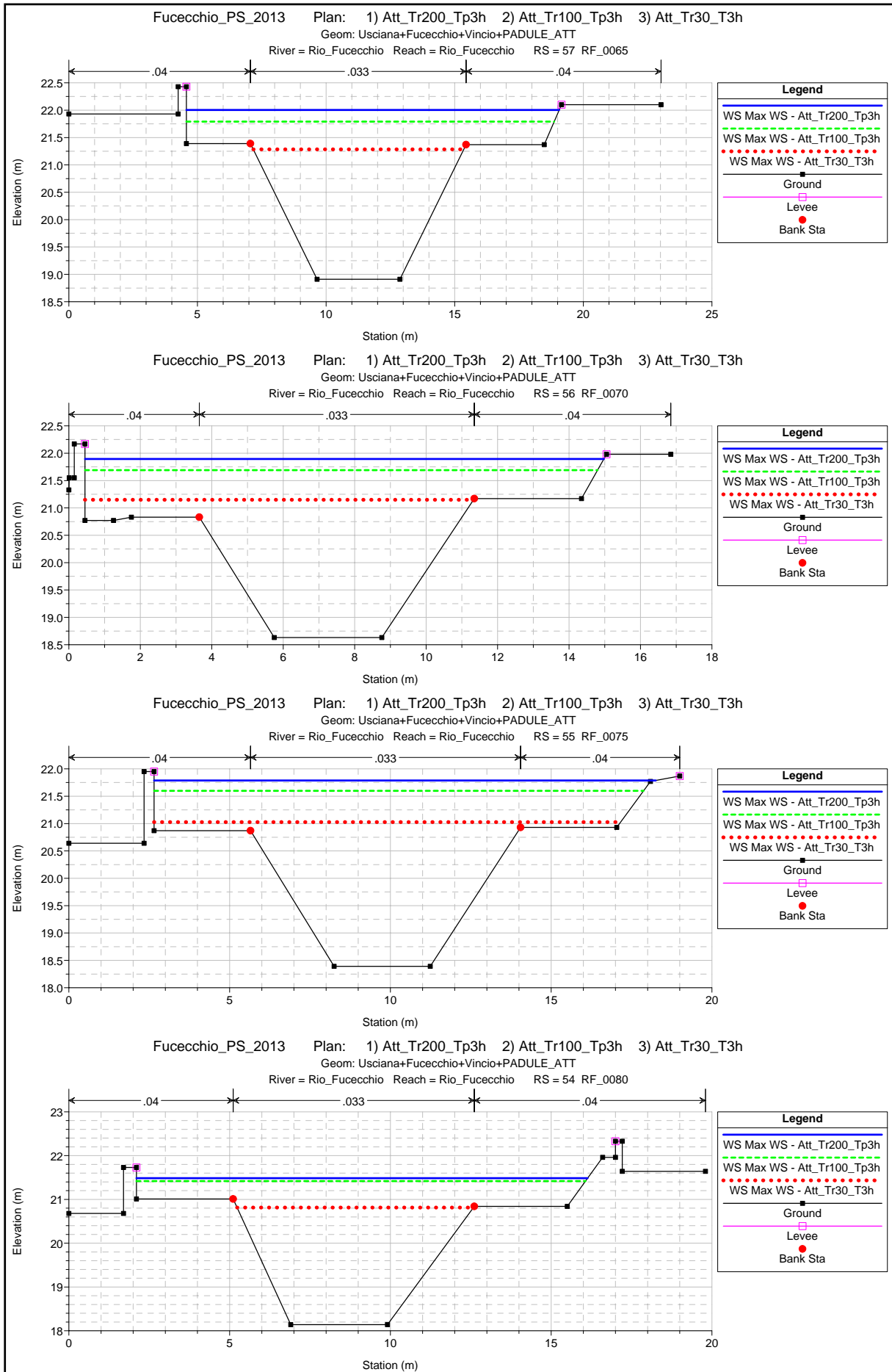


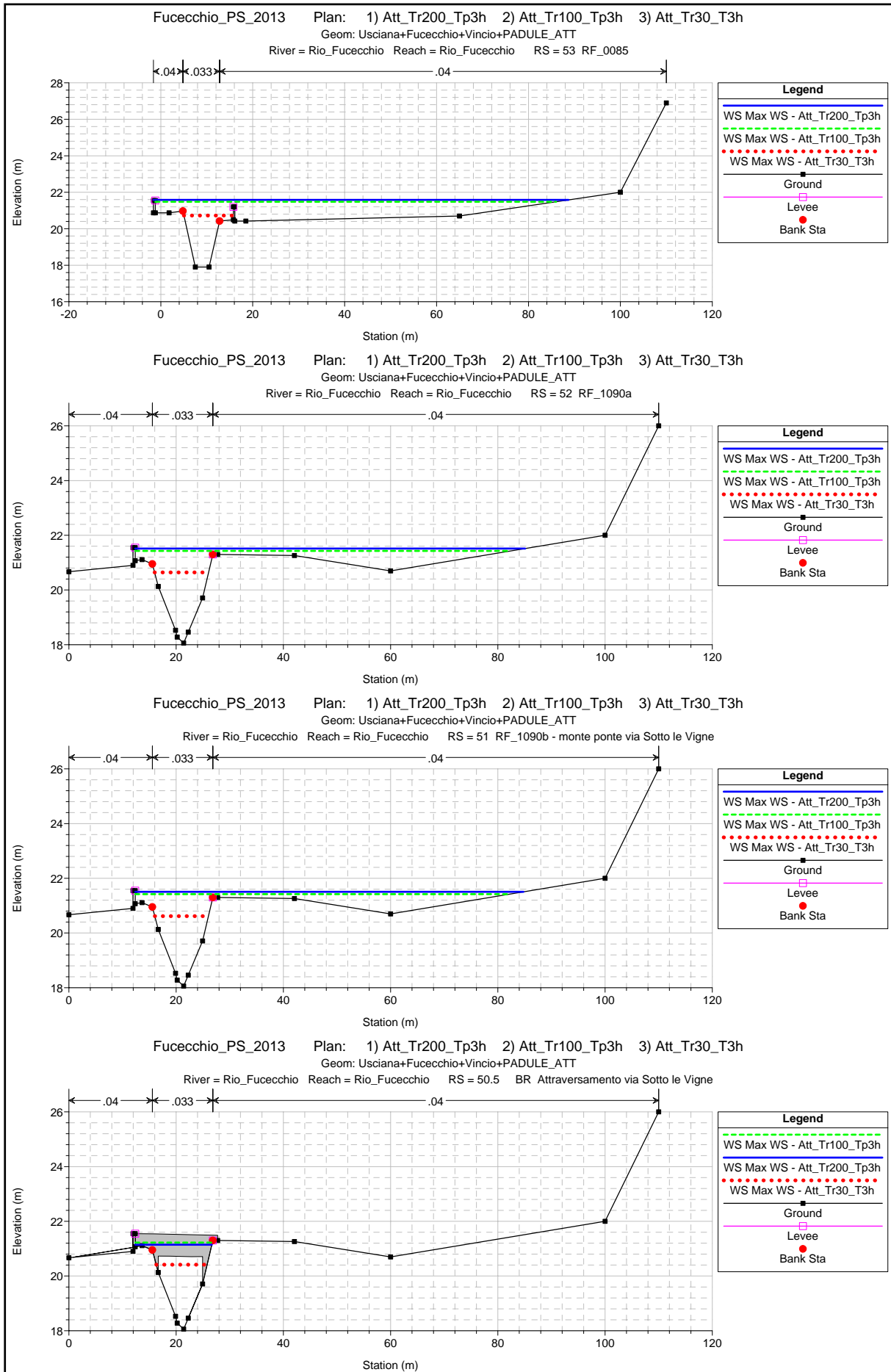


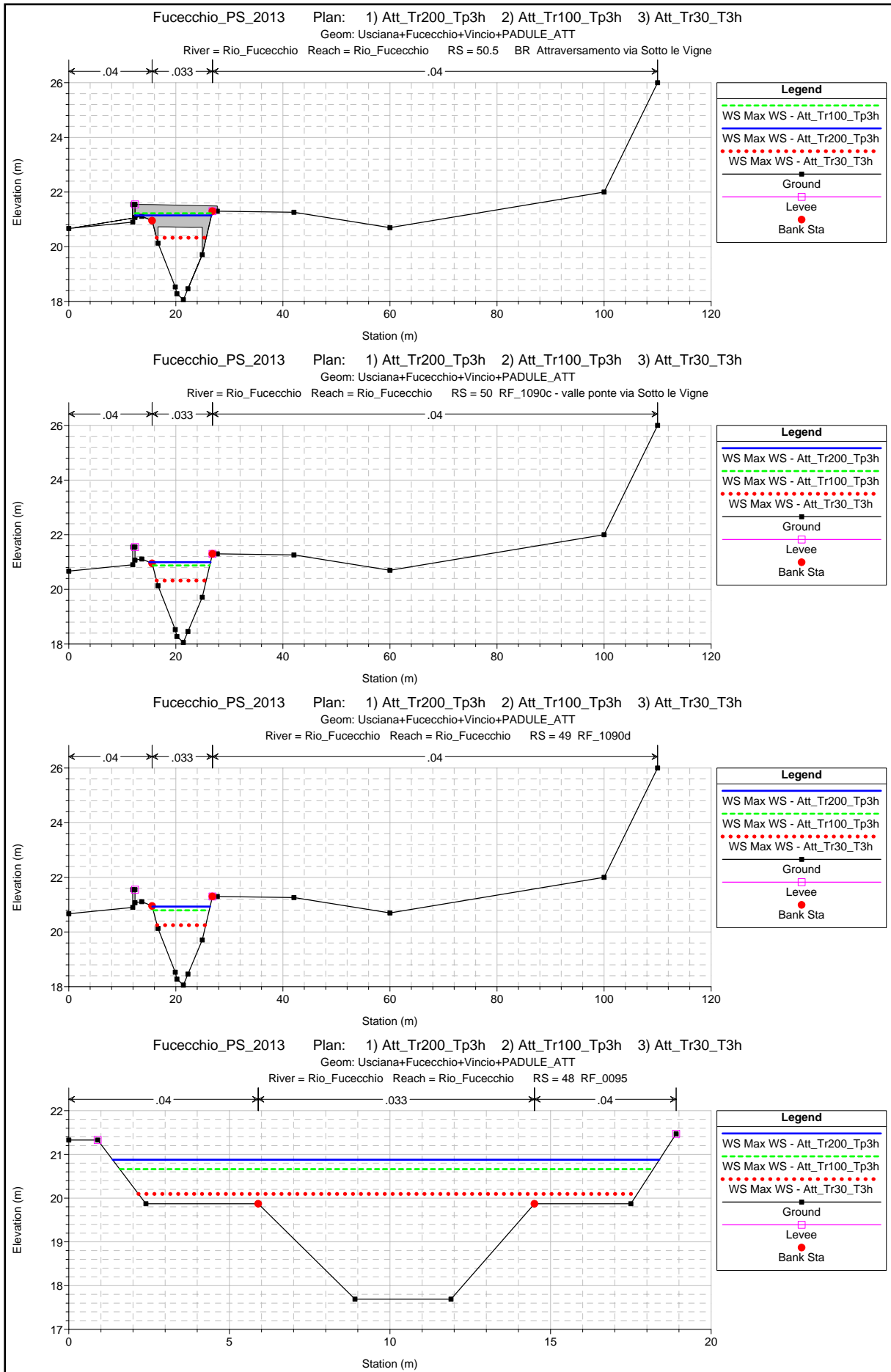


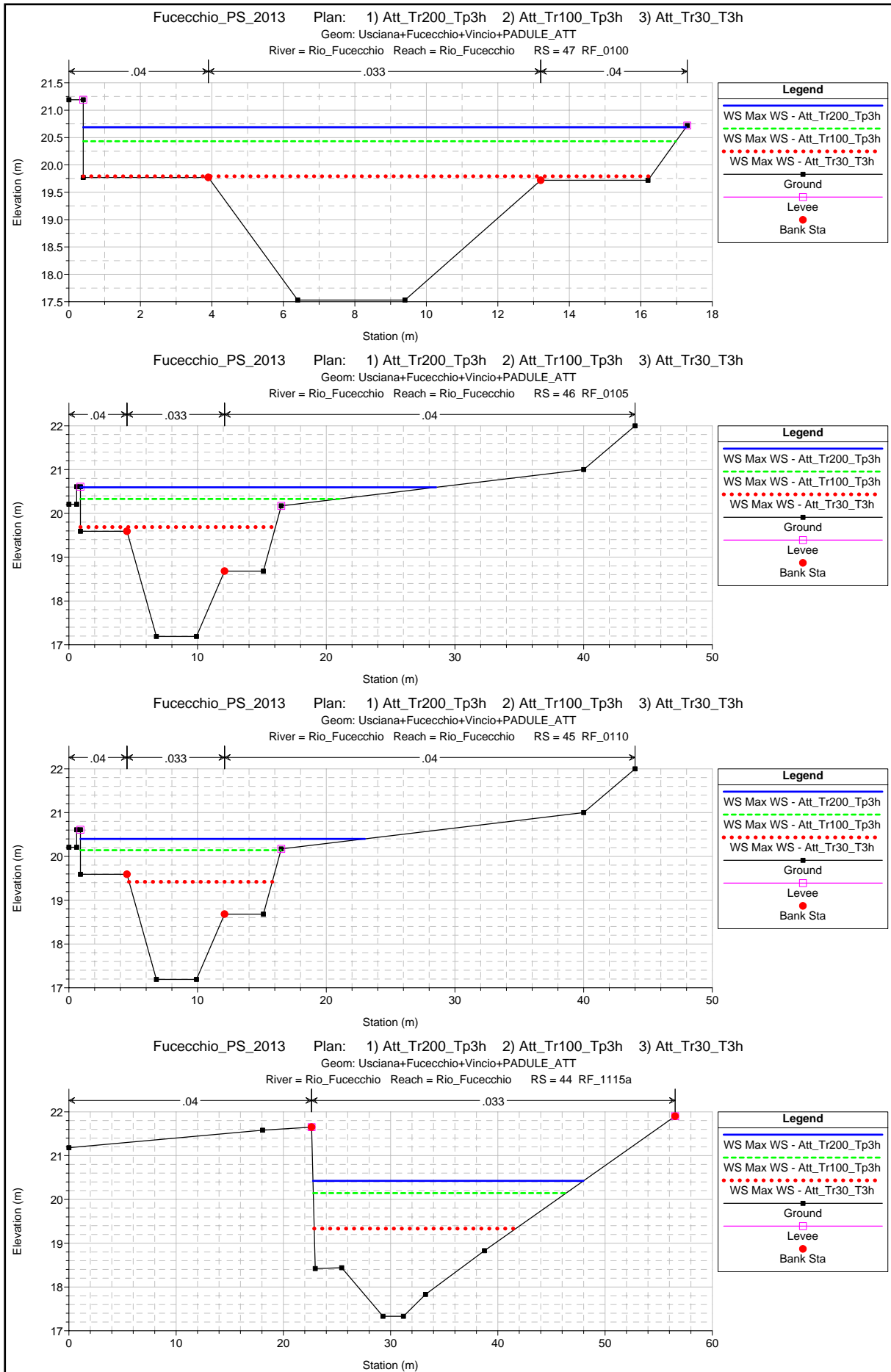


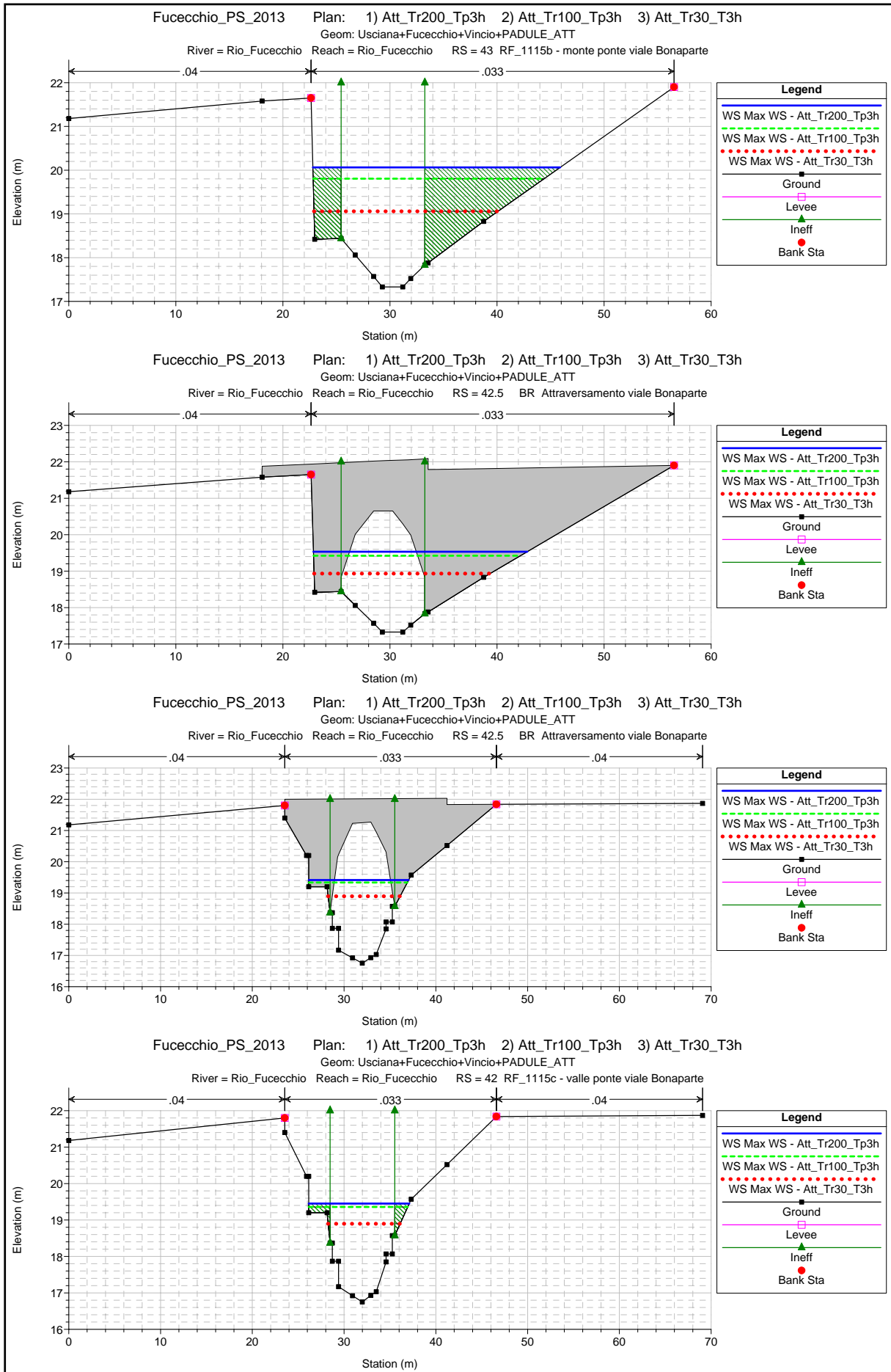


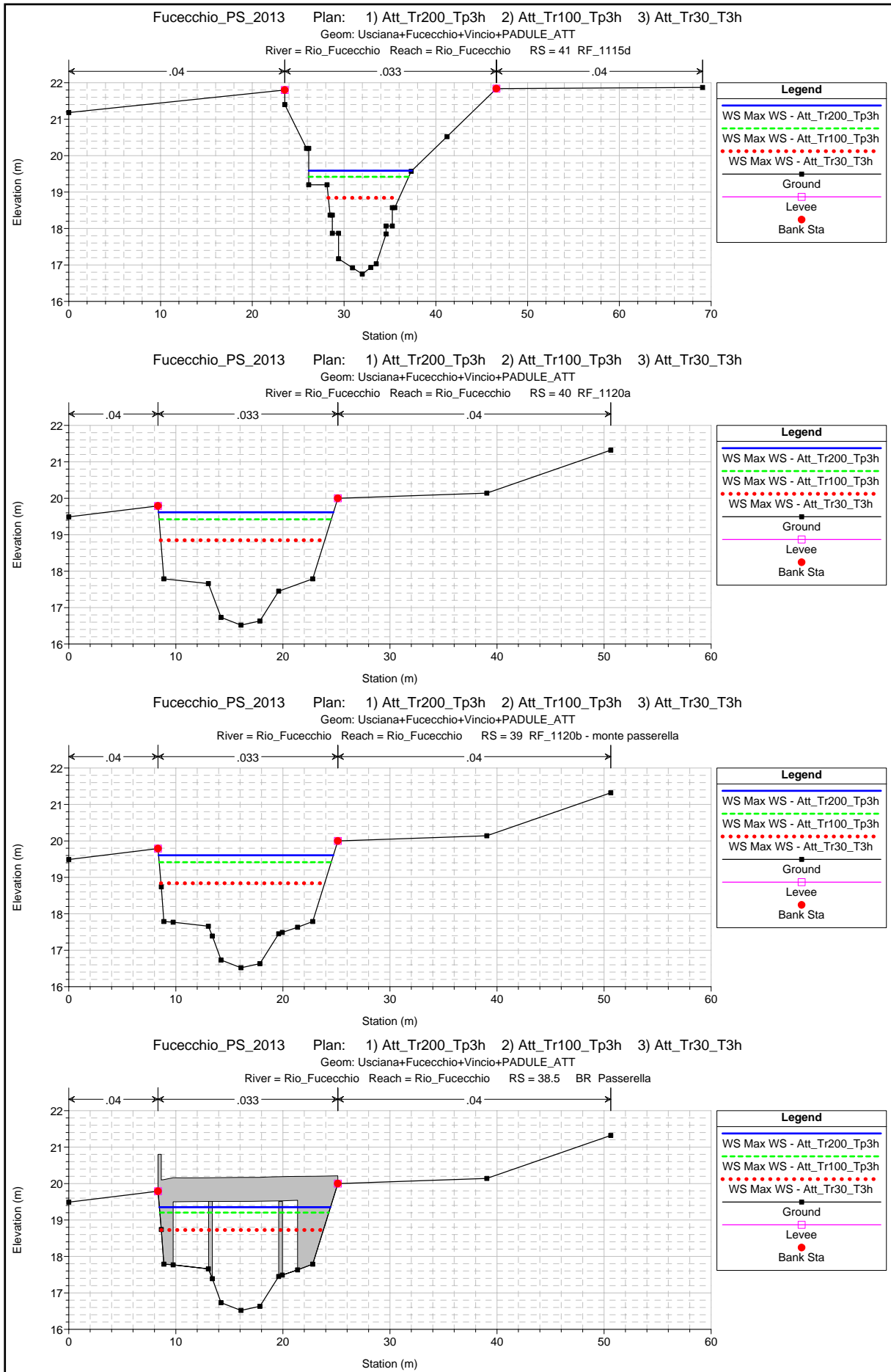


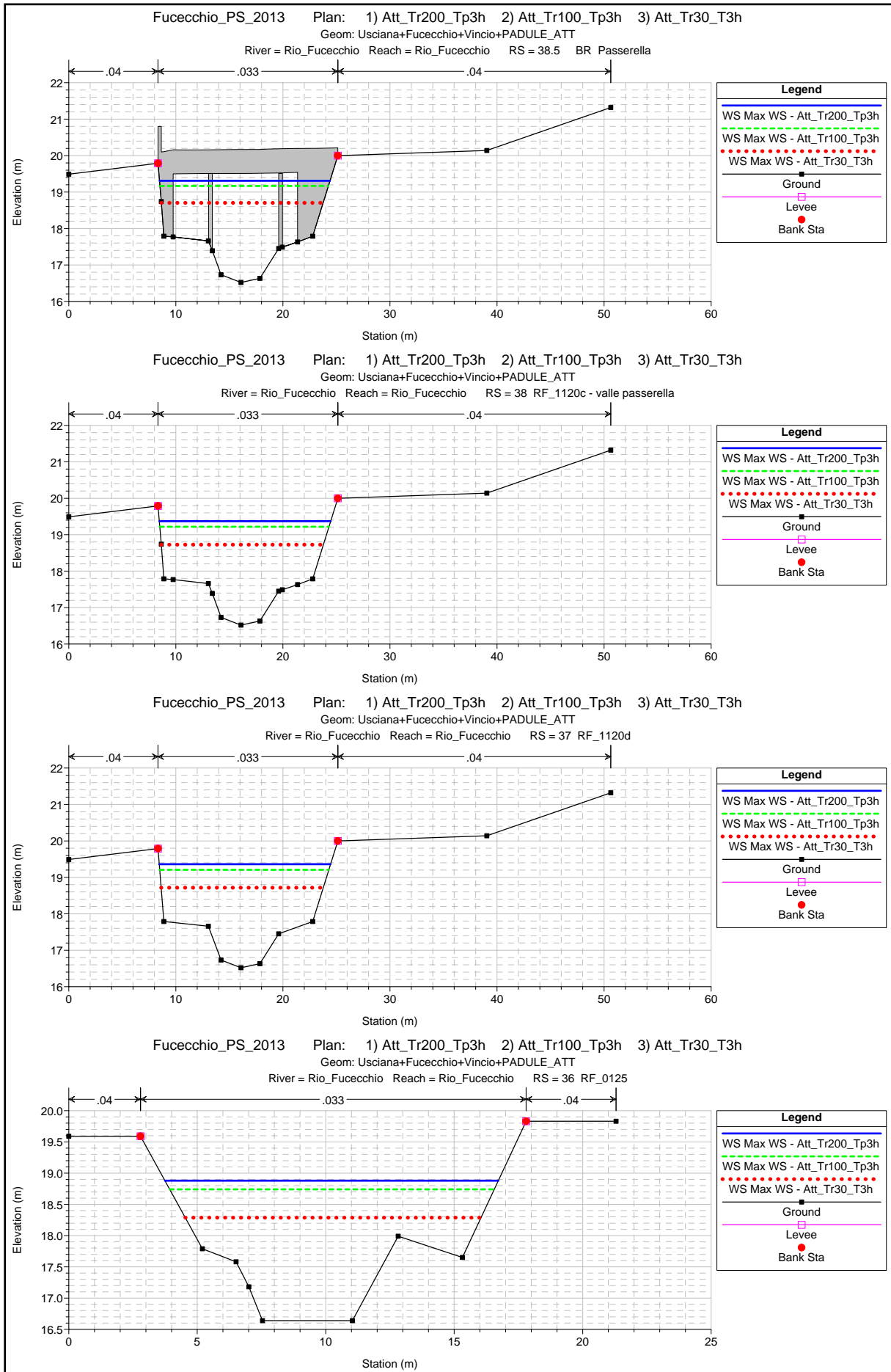


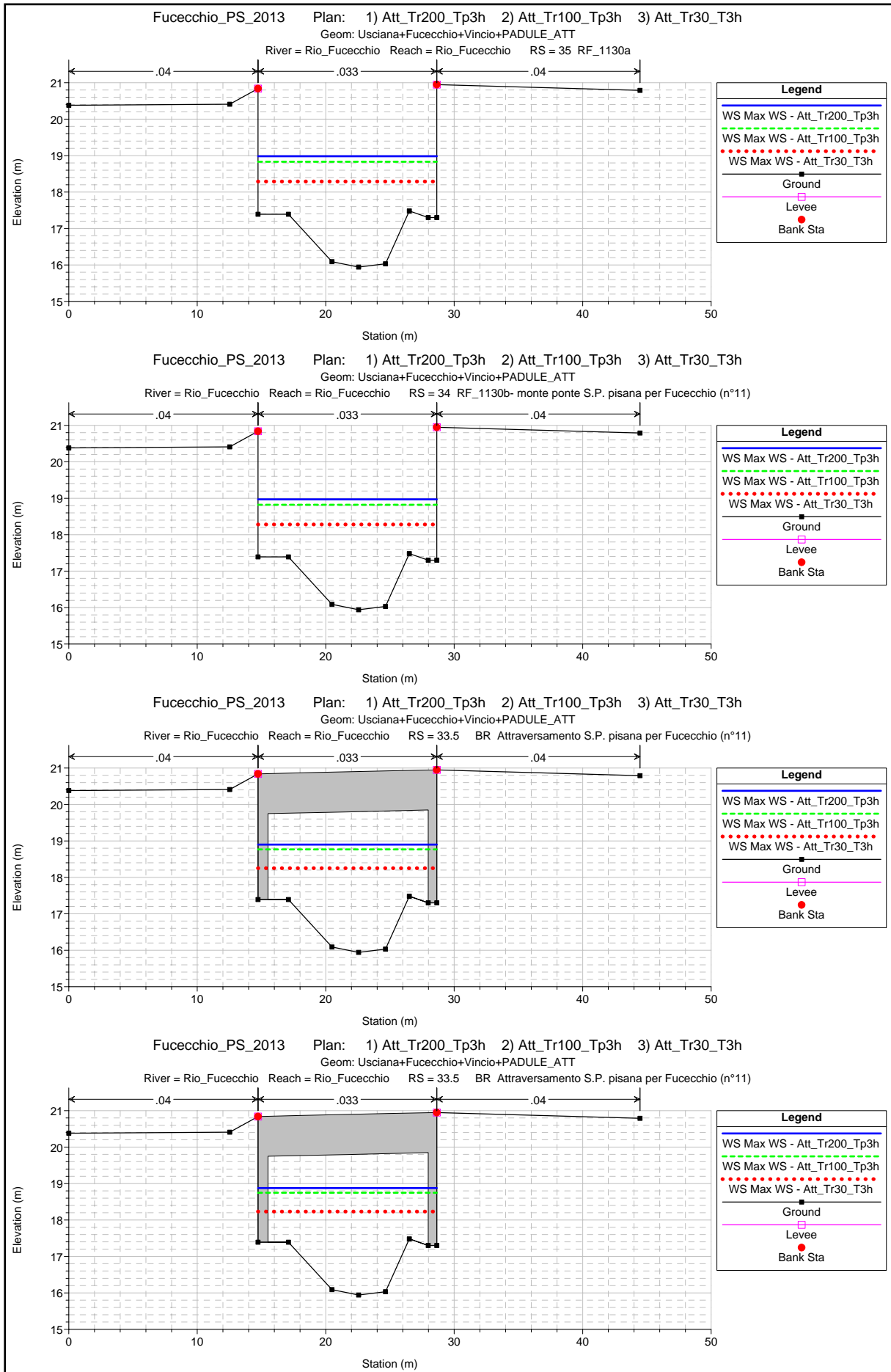


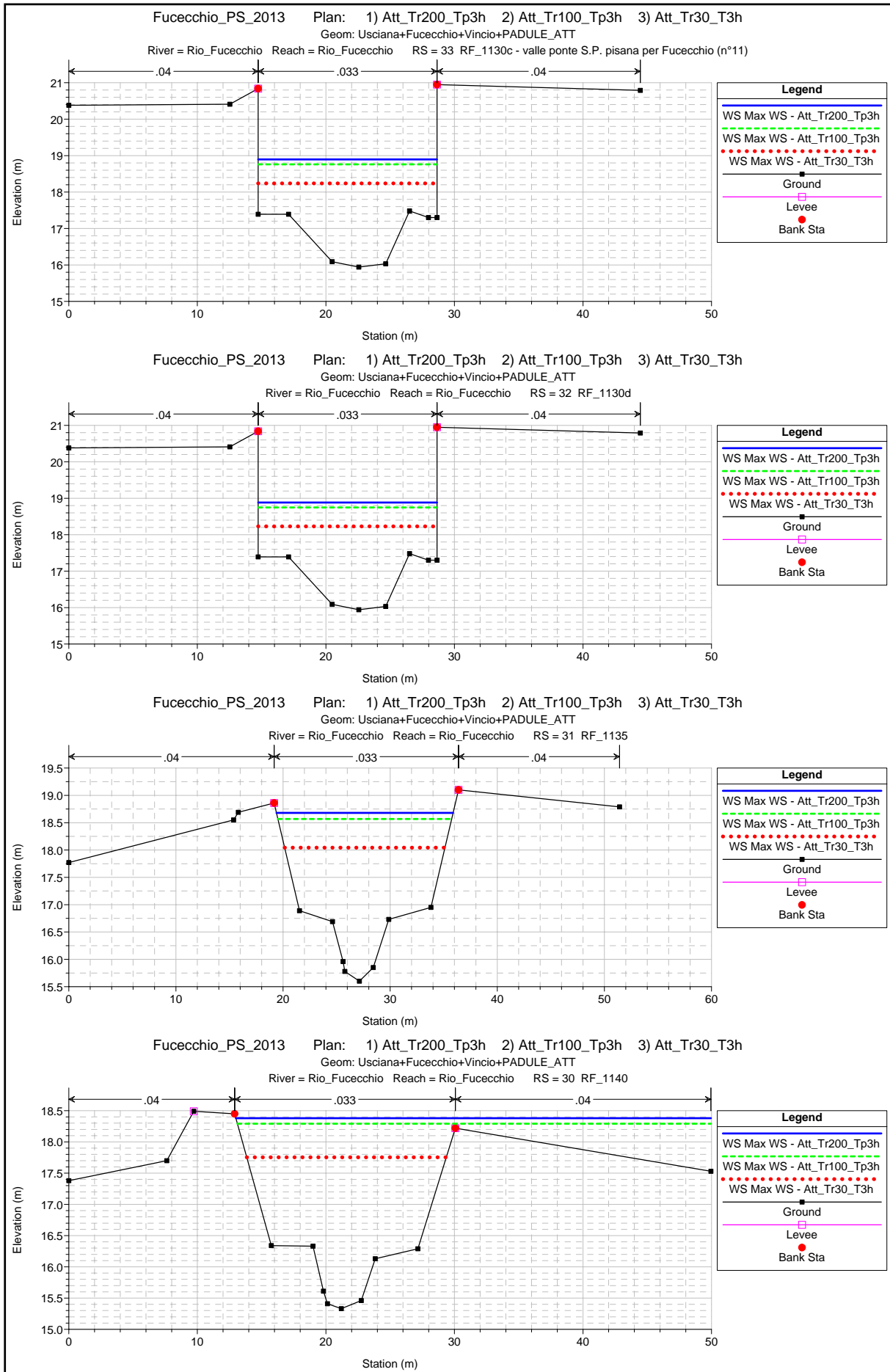


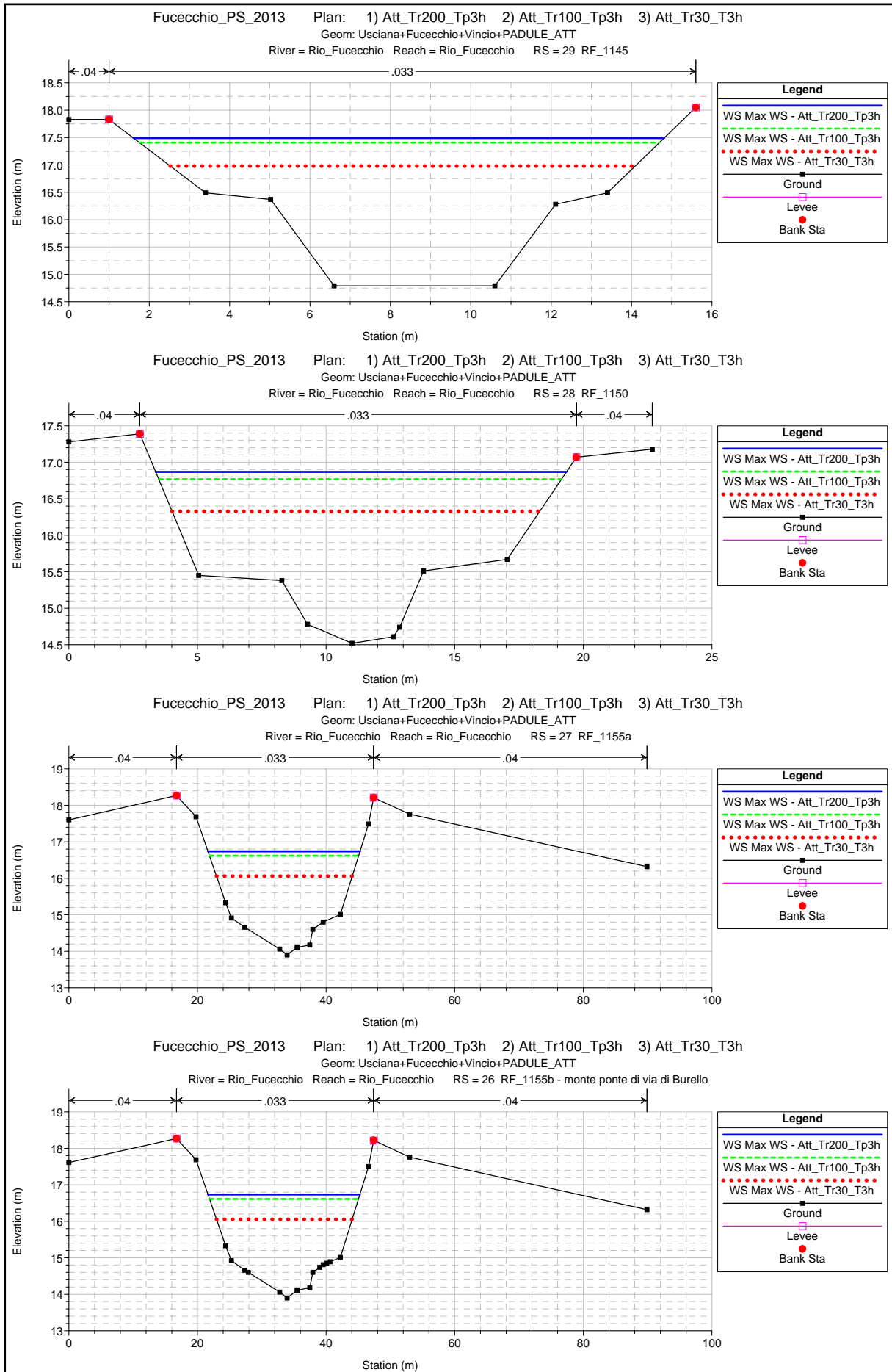


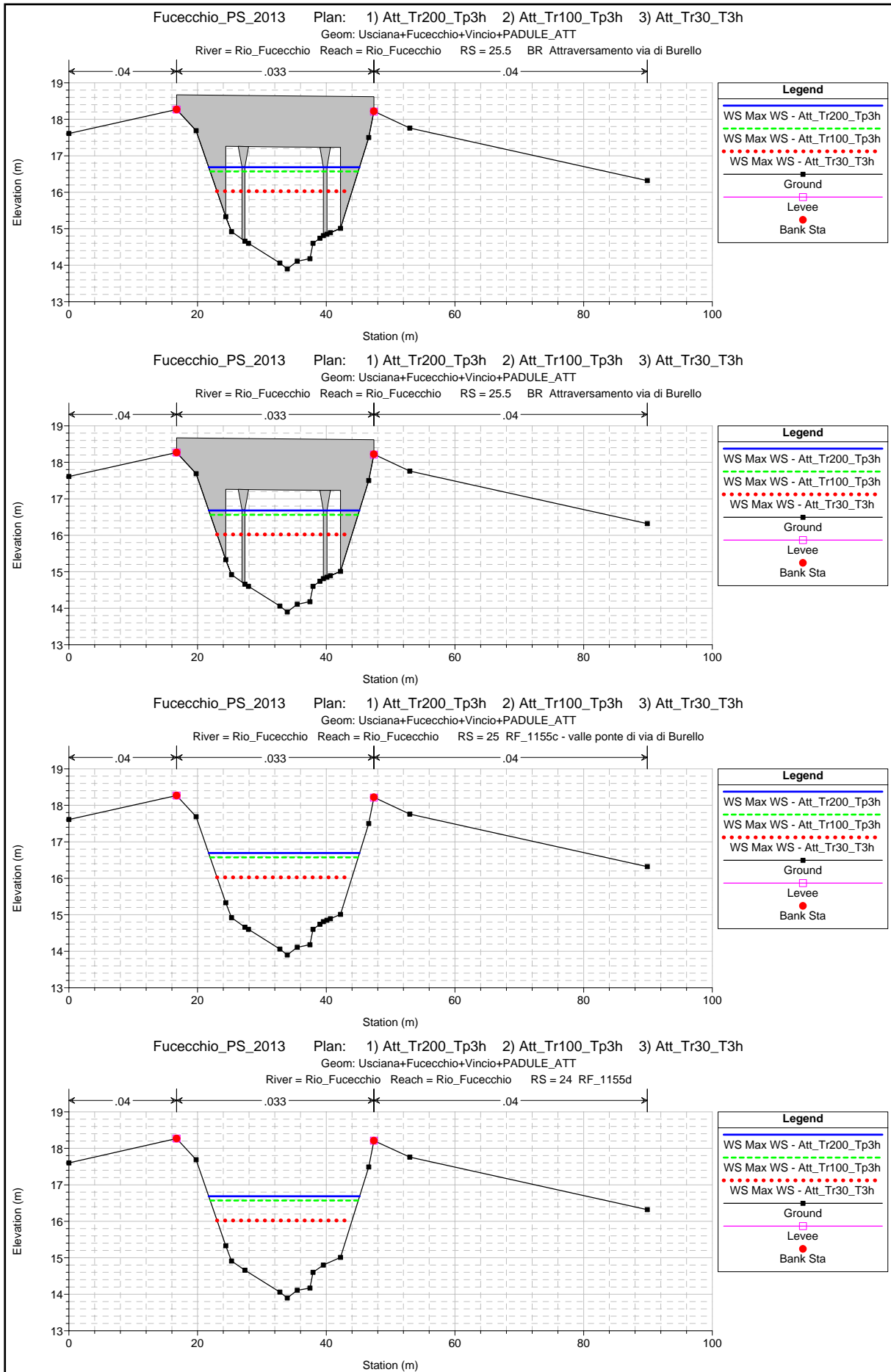


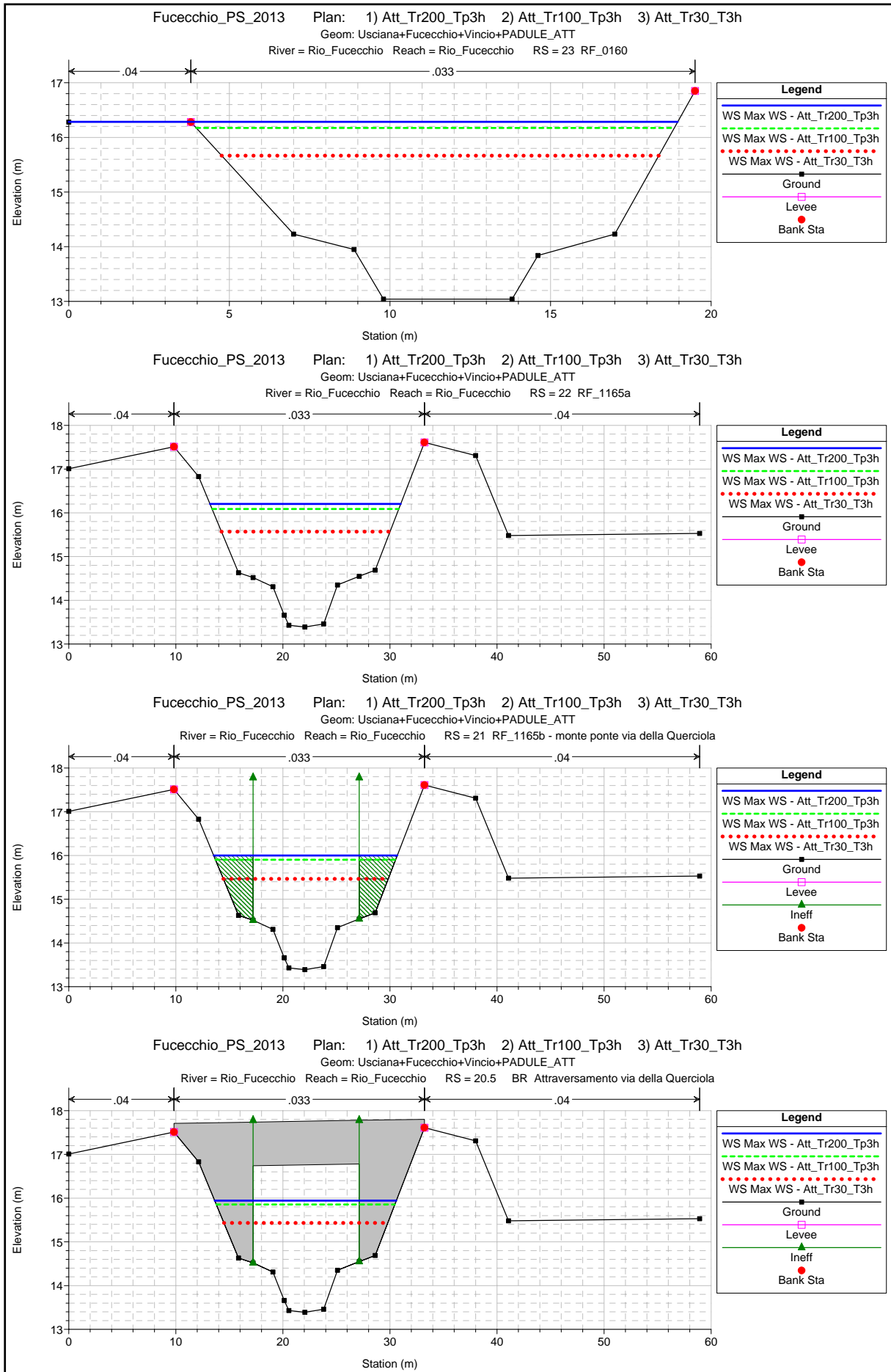


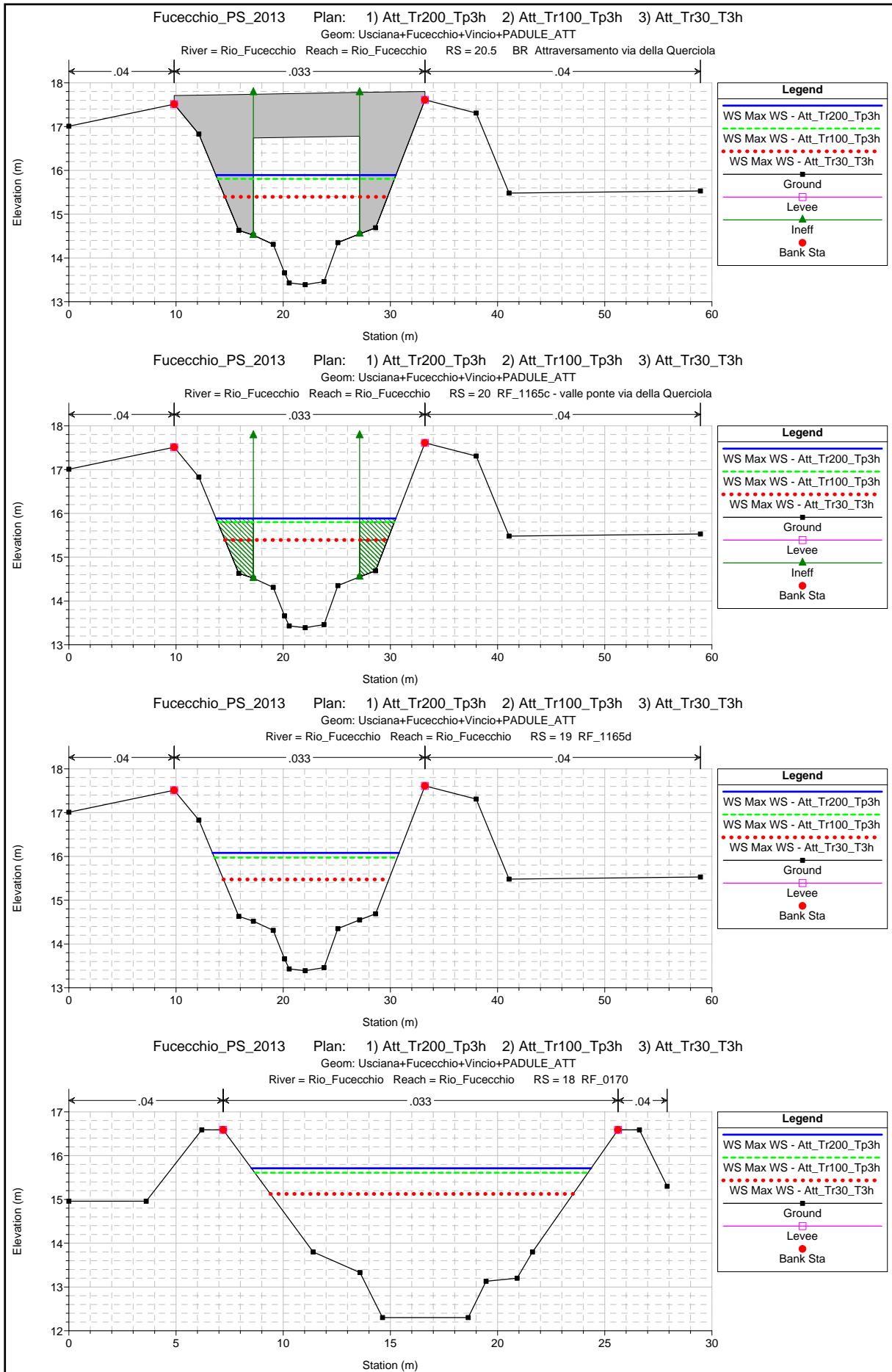


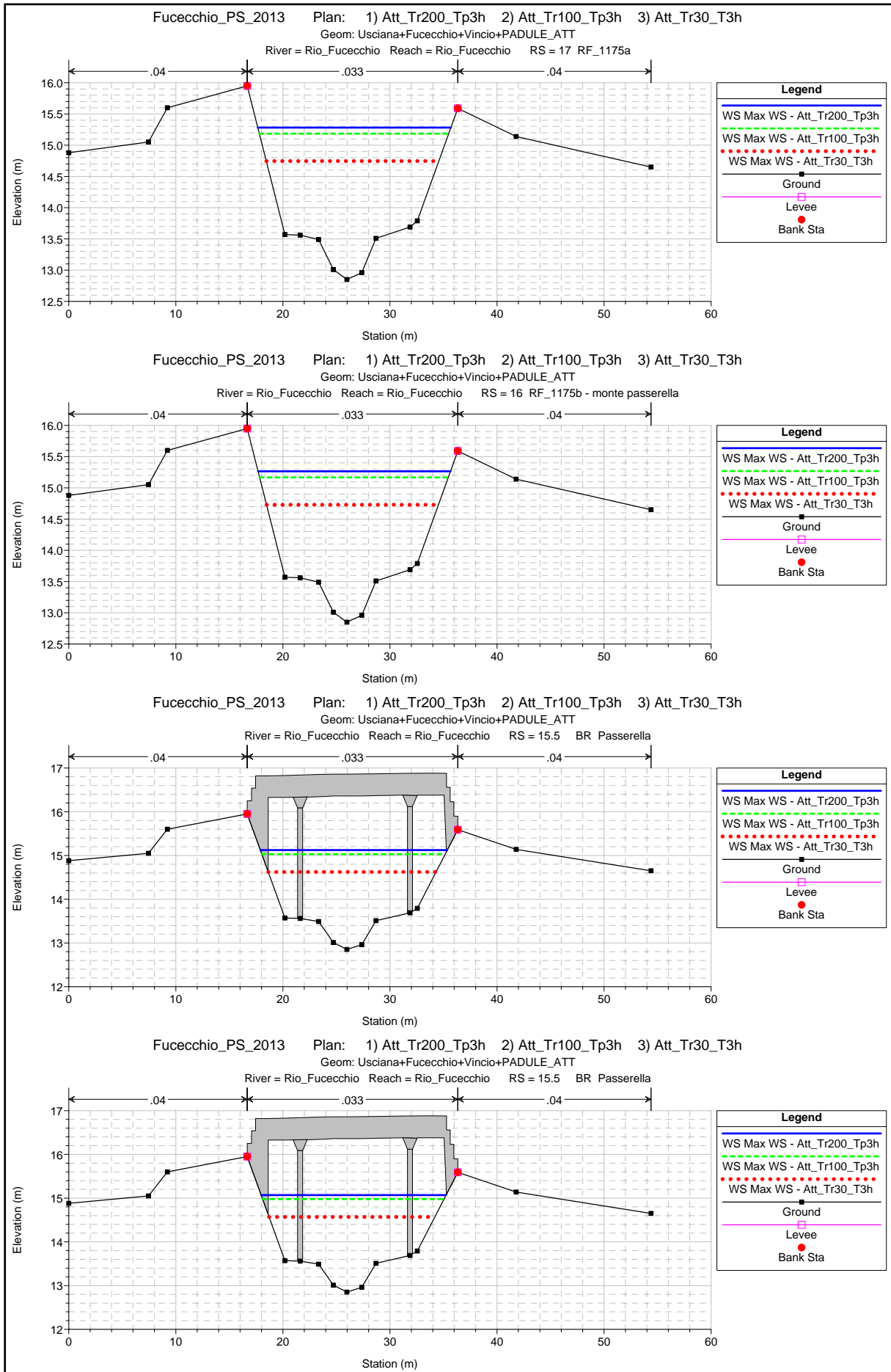


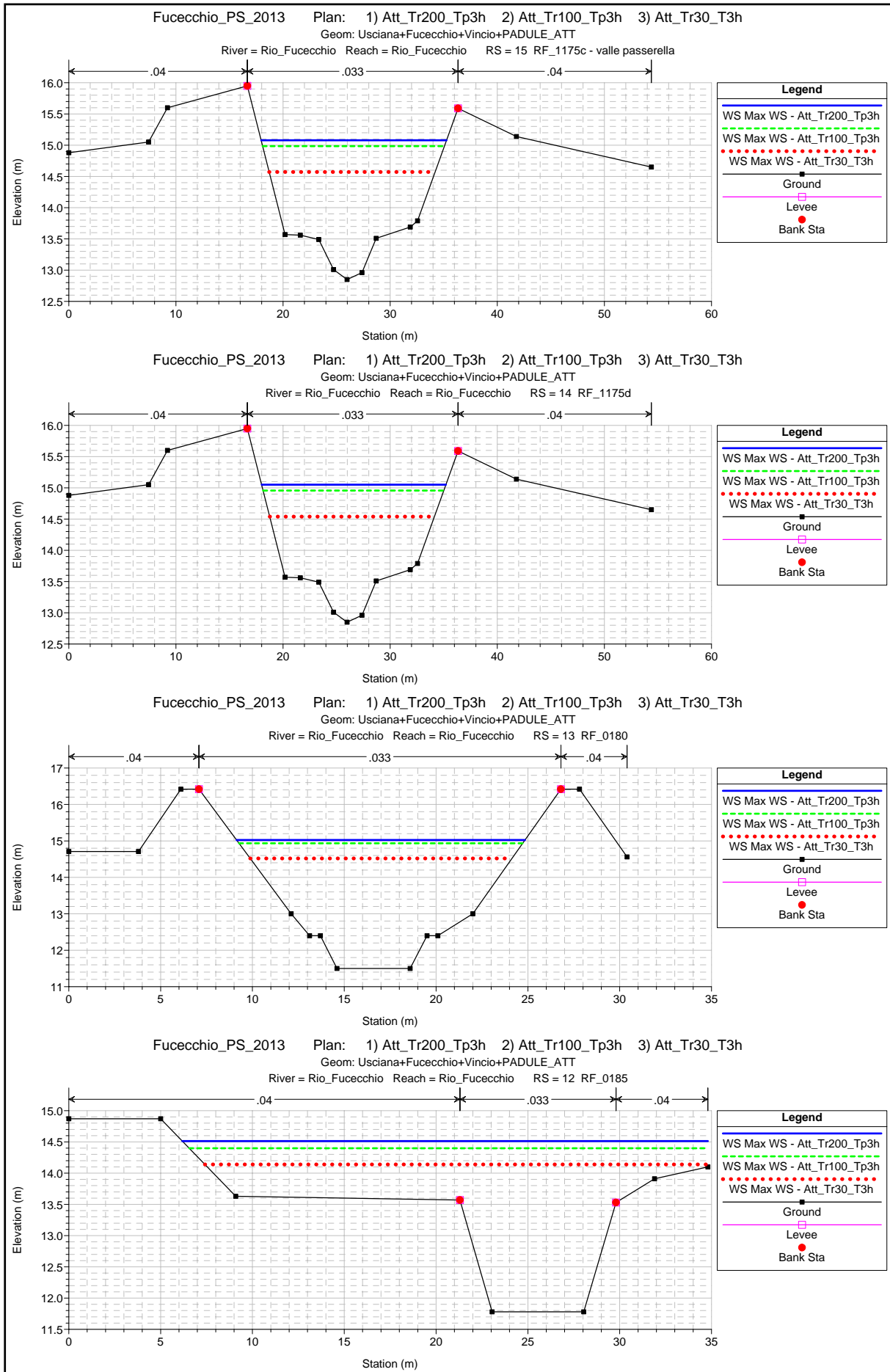


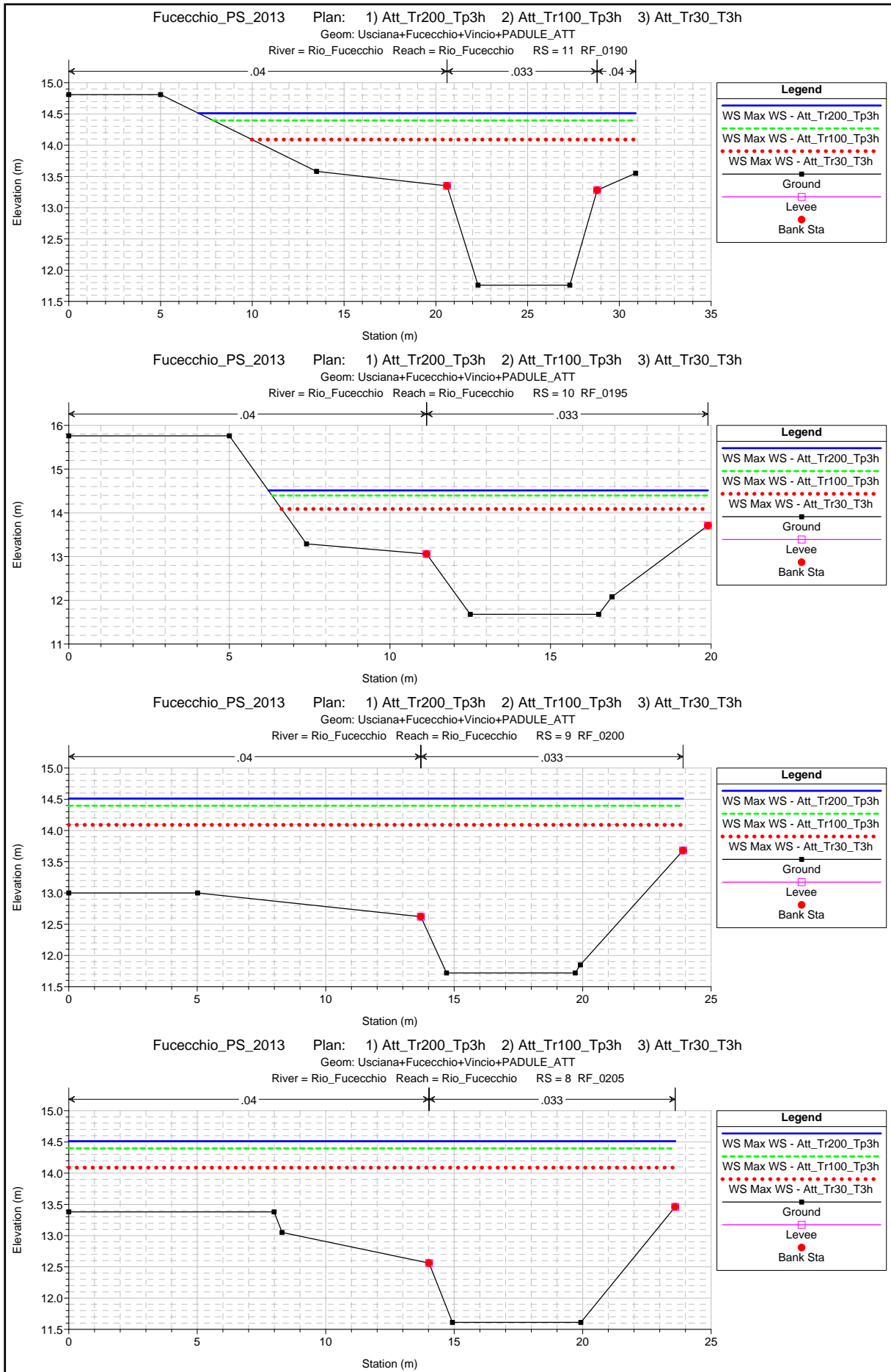


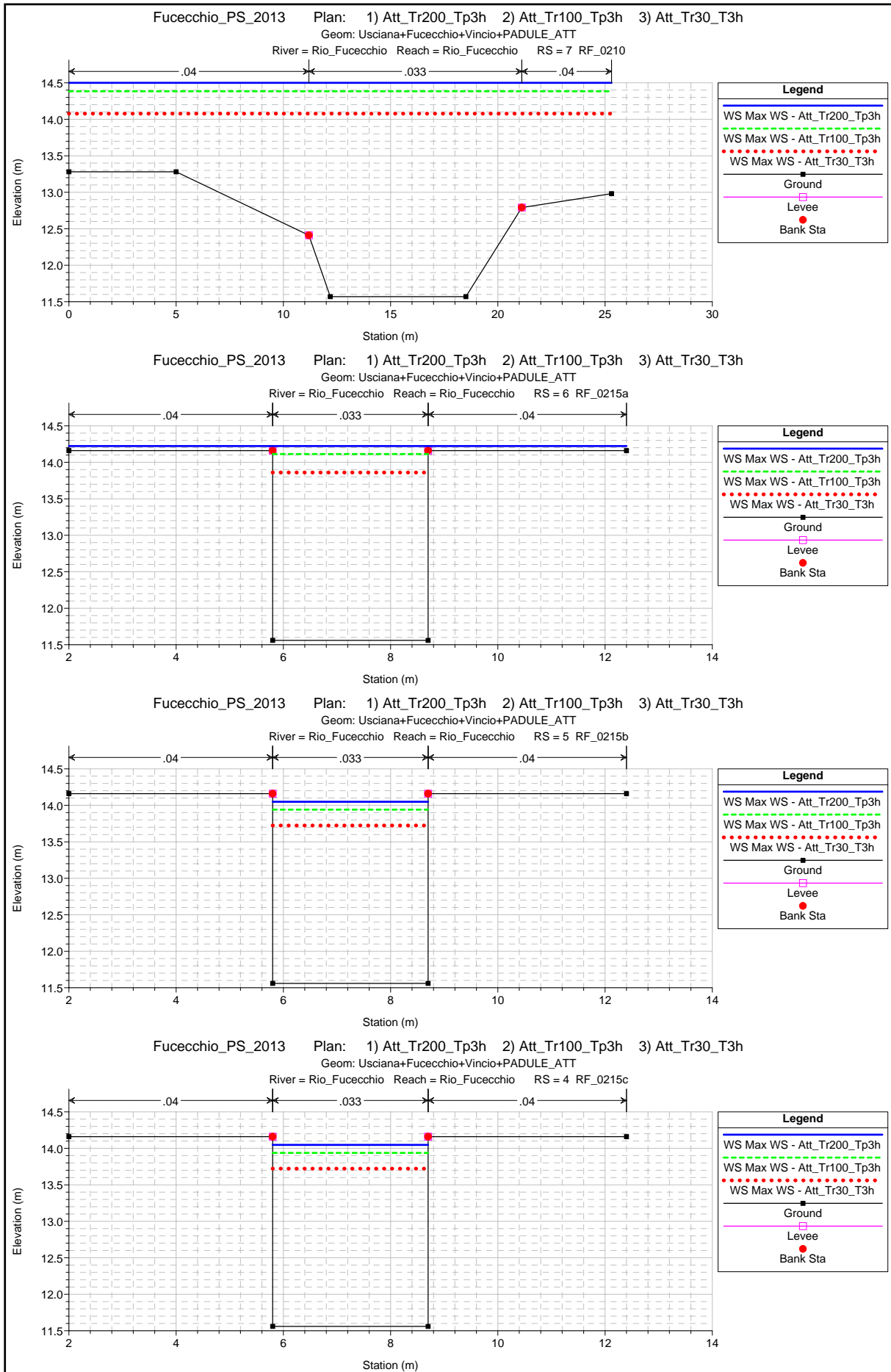


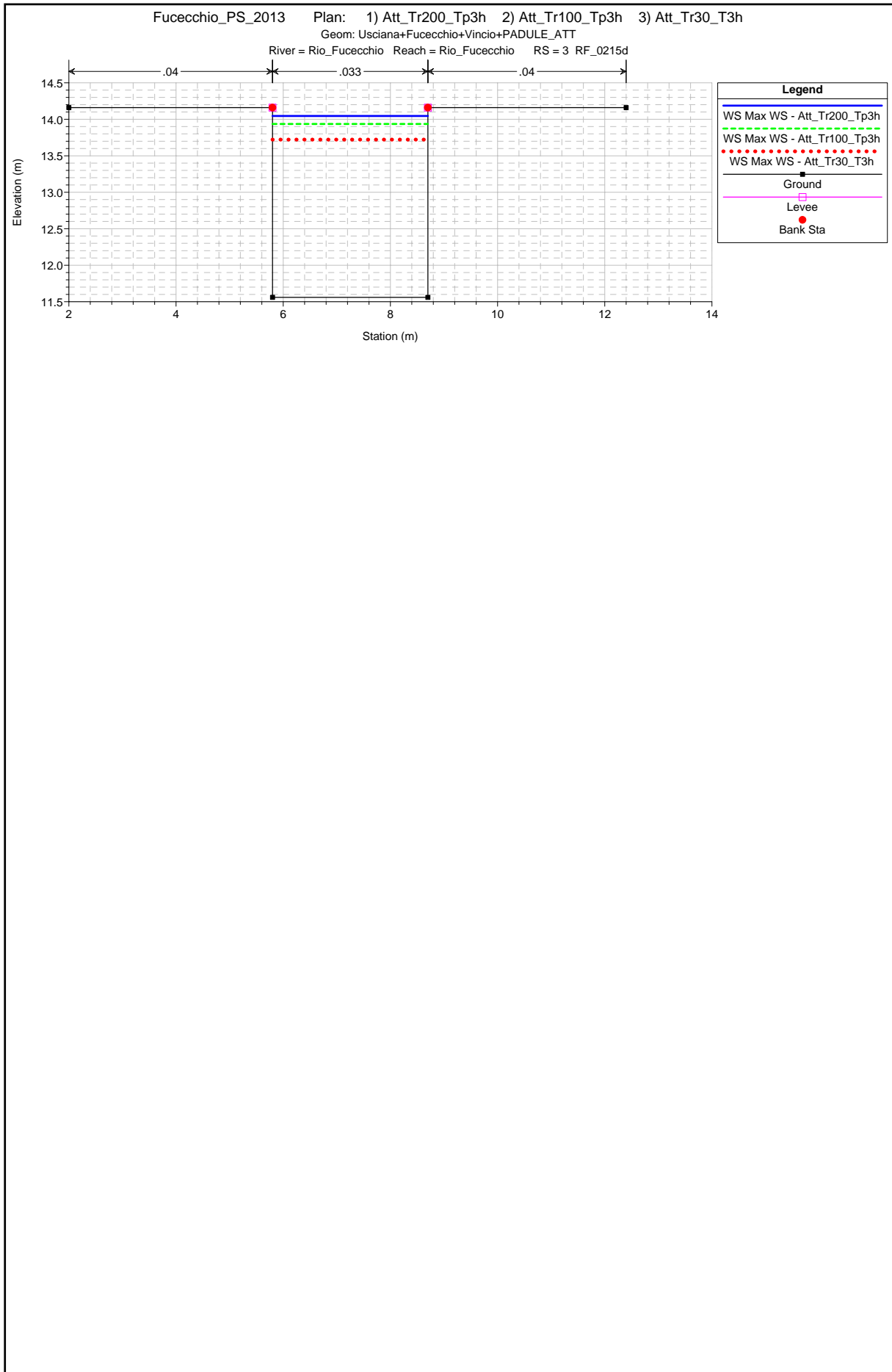












HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS

Reach	River Sta	Profile	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_Fucecchio	77	Max WS	Att_Tr200_Tp3h	50.62	22.97	26.21		26.23	0.000559	1.04	108.52	214.12	0.22
Rio_Fucecchio	77	Max WS	Att_Tr100_Tp3h	41.18	22.97	26.12		26.15	0.000588	1.04	90.00	212.38	0.22
Rio_Fucecchio	77	Max WS	Att_Tr30_T3h	27.41	22.97	26.06		26.08	0.000357	0.80	78.50	211.30	0.17
Rio_Fucecchio	76.8	Max WS	Att_Tr200_Tp3h	50.62	22.97	26.20		26.23	0.000562	1.05	108.26	214.10	0.22
Rio_Fucecchio	76.8	Max WS	Att_Tr100_Tp3h	41.18	22.97	26.12		26.15	0.000593	1.05	89.74	212.36	0.23
Rio_Fucecchio	76.8	Max WS	Att_Tr30_T3h	27.36	22.97	26.06		26.08	0.000357	0.80	78.31	211.28	0.17
Rio_Fucecchio	76	Max WS	Att_Tr200_Tp3h	46.11	22.97	26.20	25.86	26.22	0.000470	0.96	107.93	214.07	0.20
Rio_Fucecchio	76	Max WS	Att_Tr100_Tp3h	41.18	22.97	26.12	25.22	26.14	0.000599	1.05	89.35	212.32	0.23
Rio_Fucecchio	76	Max WS	Att_Tr30_T3h	27.29	22.97	26.06	24.82	26.08	0.000357	0.80	78.12	211.26	0.17
Rio_Fucecchio	75.5			Bridge									
Rio_Fucecchio	75	Max WS	Att_Tr200_Tp3h	50.62	22.97	25.69		26.33	0.008537	3.54	14.30	7.85	0.84
Rio_Fucecchio	75	Max WS	Att_Tr100_Tp3h	41.18	22.97	25.61		26.07	0.006435	3.02	13.64	7.74	0.73
Rio_Fucecchio	75	Max WS	Att_Tr30_T3h	23.25	22.97	25.39		25.58	0.002938	1.94	11.98	7.46	0.49
Rio_Fucecchio	74	Max WS	Att_Tr200_Tp3h	50.62	22.97	25.66		26.32	0.008996	3.61	14.03	7.80	0.86
Rio_Fucecchio	74	Max WS	Att_Tr100_Tp3h	41.18	22.97	25.57		26.06	0.006758	3.07	13.40	7.70	0.74
Rio_Fucecchio	74	Max WS	Att_Tr30_T3h	23.25	22.97	25.37		25.56	0.003040	1.97	11.83	7.44	0.50
Rio_Fucecchio	73	Max WS	Att_Tr200_Tp3h	50.62	23.24	25.65		25.80	0.003447	2.31	46.95	118.24	0.55
Rio_Fucecchio	73	Max WS	Att_Tr100_Tp3h	41.18	23.24	25.57		25.73	0.003428	2.24	37.97	104.01	0.54
Rio_Fucecchio	73	Max WS	Att_Tr30_T3h	28.67	23.24	25.39		25.60	0.004096	2.27	22.19	72.48	0.58
Rio_Fucecchio	72	Max WS	Att_Tr200_Tp3h	50.62	22.52	25.01		25.23	0.004380	2.64	36.92	80.57	0.62
Rio_Fucecchio	72	Max WS	Att_Tr100_Tp3h	41.18	22.52	24.93		25.14	0.004123	2.48	30.62	71.39	0.59
Rio_Fucecchio	72	Max WS	Att_Tr30_T3h	27.63	22.52	24.69		24.96	0.005129	2.51	16.56	44.53	0.65
Rio_Fucecchio	71	Max WS	Att_Tr200_Tp3h	50.62	22.17	24.62		24.88	0.004629	2.85	32.58	63.85	0.64
Rio_Fucecchio	71	Max WS	Att_Tr100_Tp3h	41.18	22.17	24.51		24.77	0.004510	2.71	26.34	53.77	0.63
Rio_Fucecchio	71	Max WS	Att_Tr30_T3h	27.63	22.17	24.31		24.54	0.004130	2.41	17.48	34.74	0.59
Rio_Fucecchio	70	Max WS	Att_Tr200_Tp3h	50.60	20.97	23.78		23.78	0.000218	0.71	185.79	341.31	0.15
Rio_Fucecchio	70	Max WS	Att_Tr100_Tp3h	41.16	20.97	23.64		23.65	0.000265	0.76	143.04	293.55	0.16
Rio_Fucecchio	70	Max WS	Att_Tr30_T3h	23.62	20.97	23.07		23.14	0.001629	1.54	35.98	130.83	0.38
Rio_Fucecchio	69.5	Max WS	Att_Tr200_Tp3h	50.59	20.73	23.76		23.77	0.000275	0.74	133.06	195.41	0.16

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	69.5	Max WS	Att_Tr100_Tp3h	41.16	20.73	23.63		23.64	0.000320	0.77	107.21	190.29	0.17
Rio_Fucecchio	69.5	Max WS	Att_Tr30_T3h	27.63	20.73	22.83		23.17	0.006366	2.56	10.79	8.49	0.73
Rio_Fucecchio	69	Max WS	Att_Tr200_Tp3h	61.46	20.49	23.40		23.91	0.006215	3.17	19.73	14.73	0.75
Rio_Fucecchio	69	Max WS	Att_Tr100_Tp3h	50.35	20.49	23.28		23.68	0.005102	2.78	18.11	10.53	0.68
Rio_Fucecchio	69	Max WS	Att_Tr30_T3h	30.94	20.49	22.38		22.89	0.009959	3.15	9.83	7.90	0.90
Rio_Fucecchio	68.98			Lat Struct									
Rio_Fucecchio	68	Max WS	Att_Tr200_Tp3h	60.61	20.58	23.52		23.67	0.001376	1.73	35.29	19.95	0.36
Rio_Fucecchio	68	Max WS	Att_Tr100_Tp3h	50.30	20.58	23.42		23.53	0.001076	1.50	33.50	16.72	0.32
Rio_Fucecchio	68	Max WS	Att_Tr30_T3h	30.94	20.58	22.38		22.52	0.002177	1.64	18.92	13.26	0.44
Rio_Fucecchio	67	Max WS	Att_Tr200_Tp3h	60.61	20.58	23.51	22.23	23.66	0.001394	1.74	35.09	19.64	0.37
Rio_Fucecchio	67	Max WS	Att_Tr100_Tp3h	50.30	20.58	23.41	22.07	23.53	0.001085	1.51	33.39	16.52	0.32
Rio_Fucecchio	67	Max WS	Att_Tr30_T3h	30.94	20.58	22.37	21.74	22.50	0.002246	1.65	18.73	13.24	0.44
Rio_Fucecchio	66.5			Bridge									
Rio_Fucecchio	66	Max WS	Att_Tr200_Tp3h	60.61	20.58	23.35		23.53	0.001705	1.87	32.45	14.76	0.40
Rio_Fucecchio	66	Max WS	Att_Tr100_Tp3h	50.32	20.58	23.19		23.33	0.001446	1.67	30.11	14.33	0.37
Rio_Fucecchio	66	Max WS	Att_Tr30_T3h	30.94	20.58	22.32		22.47	0.002462	1.70	18.17	13.18	0.46
Rio_Fucecchio	65	Max WS	Att_Tr200_Tp3h	60.61	20.58	23.34		23.52	0.001725	1.88	32.31	14.72	0.40
Rio_Fucecchio	65	Max WS	Att_Tr100_Tp3h	50.32	20.58	23.18		23.33	0.001462	1.68	29.99	14.32	0.37
Rio_Fucecchio	65	Max WS	Att_Tr30_T3h	30.94	20.58	22.31		22.46	0.002547	1.72	17.97	13.16	0.47
Rio_Fucecchio	64.9			Lat Struct									
Rio_Fucecchio	64	Max WS	Att_Tr200_Tp3h	59.57	19.78	23.33		23.44	0.000850	1.54	48.82	56.29	0.30
Rio_Fucecchio	64	Max WS	Att_Tr100_Tp3h	50.02	19.78	23.17		23.27	0.000809	1.44	39.89	48.60	0.29
Rio_Fucecchio	64	Max WS	Att_Tr30_T3h	30.94	19.78	22.27		22.37	0.001284	1.42	21.73	12.65	0.35
Rio_Fucecchio	63	Max WS	Att_Tr200_Tp3h	59.57	19.78	23.15	21.91	23.46	0.003903	2.50	25.11	46.11	0.60
Rio_Fucecchio	63	Max WS	Att_Tr100_Tp3h	50.02	19.78	23.03	21.71	23.28	0.001357	2.21	22.60	32.04	0.41
Rio_Fucecchio	63	Max WS	Att_Tr30_T3h	30.94	19.78	22.18	21.26	22.37	0.001611	1.92	16.09	12.44	0.42
Rio_Fucecchio	62.5			Bridge									

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	62	Max WS	Att_Tr200_Tp3h	59.57	19.78	22.84		23.24	0.002411	2.82	21.12	17.95	0.54
Rio_Fucecchio	62	Max WS	Att_Tr100_Tp3h	50.02	19.78	22.66		22.99	0.002109	2.53	19.79	15.65	0.50
Rio_Fucecchio	62	Max WS	Att_Tr30_T3h	30.94	19.78	22.15		22.34	0.001678	1.95	15.89	12.38	0.43
Rio_Fucecchio	61	Max WS	Att_Tr200_Tp3h	59.57	19.78	23.04		23.21	0.001389	1.82	35.86	38.72	0.38
Rio_Fucecchio	61	Max WS	Att_Tr100_Tp3h	50.02	19.78	22.82		22.97	0.001407	1.71	29.74	17.95	0.37
Rio_Fucecchio	61	Max WS	Att_Tr30_T3h	30.94	19.78	22.23		22.34	0.001375	1.46	21.22	12.56	0.36
Rio_Fucecchio	60	Max WS	Att_Tr200_Tp3h	59.57	19.79	22.80		23.18	0.003675	2.82	23.86	15.40	0.59
Rio_Fucecchio	60	Max WS	Att_Tr100_Tp3h	50.02	19.79	22.58		22.93	0.003843	2.70	20.44	15.19	0.60
Rio_Fucecchio	60	Max WS	Att_Tr30_T3h	30.93	19.79	21.97		22.28	0.004689	2.46	12.74	11.06	0.63
Rio_Fucecchio	59	Max WS	Att_Tr200_Tp3h	59.57	19.50	22.55		23.00	0.004573	3.01	21.63	15.28	0.64
Rio_Fucecchio	59	Max WS	Att_Tr100_Tp3h	50.02	19.50	22.32		22.74	0.004892	2.89	18.08	15.10	0.65
Rio_Fucecchio	59	Max WS	Att_Tr30_T3h	30.93	19.50	21.76		22.07	0.004667	2.47	12.54	7.71	0.62
Rio_Fucecchio	58	Max WS	Att_Tr200_Tp3h	59.56	19.12	22.27		22.74	0.004864	3.05	20.36	10.90	0.63
Rio_Fucecchio	58	Max WS	Att_Tr100_Tp3h	50.00	19.12	22.07		22.48	0.004624	2.84	18.13	10.90	0.62
Rio_Fucecchio	58	Max WS	Att_Tr30_T3h	30.93	19.12	21.56		21.83	0.003902	2.31	13.38	7.84	0.56
Rio_Fucecchio	57	Max WS	Att_Tr200_Tp3h	59.55	18.91	22.00		22.40	0.003820	2.86	23.19	14.49	0.60
Rio_Fucecchio	57	Max WS	Att_Tr100_Tp3h	49.94	18.91	21.79		22.15	0.003883	2.71	20.13	14.30	0.59
Rio_Fucecchio	57	Max WS	Att_Tr30_T3h	30.93	18.91	21.28		21.55	0.003847	2.29	13.53	8.18	0.57
Rio_Fucecchio	56	Max WS	Att_Tr200_Tp3h	59.55	18.63	21.89		22.23	0.003136	2.71	25.41	14.53	0.54
Rio_Fucecchio	56	Max WS	Att_Tr100_Tp3h	48.01	18.63	21.69		21.97	0.002839	2.44	22.45	14.35	0.51
Rio_Fucecchio	56	Max WS	Att_Tr30_T3h	30.93	18.63	21.15		21.39	0.003249	2.19	14.88	10.88	0.52
Rio_Fucecchio	55	Max WS	Att_Tr200_Tp3h	59.54	18.39	21.79		22.08	0.002494	2.48	27.53	15.60	0.49
Rio_Fucecchio	55	Max WS	Att_Tr100_Tp3h	47.06	18.39	21.60		21.82	0.002097	2.16	24.61	15.22	0.45
Rio_Fucecchio	55	Max WS	Att_Tr30_T3h	30.93	18.39	21.03		21.23	0.002579	2.00	16.11	14.51	0.47
Rio_Fucecchio	54	Max WS	Att_Tr200_Tp3h	59.54	18.14	21.49		21.91	0.004219	2.97	22.39	14.03	0.60
Rio_Fucecchio	54	Max WS	Att_Tr100_Tp3h	44.50	18.14	21.42		21.68	0.002627	2.30	21.44	13.97	0.47
Rio_Fucecchio	54	Max WS	Att_Tr30_T3h	30.93	18.14	20.81		21.07	0.003489	2.23	13.85	7.35	0.52
Rio_Fucecchio	53	Max WS	Att_Tr200_Tp3h	59.54	17.90	21.58		21.62	0.000530	1.16	90.71	90.33	0.22
Rio_Fucecchio	53	Max WS	Att_Tr100_Tp3h	43.96	17.90	21.48		21.51	0.000372	0.94	81.78	87.21	0.18
Rio_Fucecchio	53	Max WS	Att_Tr30_T3h	30.93	17.90	20.72		20.92	0.002387	1.97	16.34	10.77	0.44

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	52.9			Lat Struct									
Rio_Fucecchio	52	Max WS	Att_Tr200_Tp3h	59.52	18.06	21.52		21.66	0.001662	1.88	49.22	72.74	0.41
Rio_Fucecchio	52	Max WS	Att_Tr100_Tp3h	43.54	18.06	21.43		21.52	0.001159	1.53	42.87	70.00	0.34
Rio_Fucecchio	52	Max WS	Att_Tr30_T3h	30.93	18.06	20.64		20.86	0.003374	2.09	14.79	10.07	0.55
Rio_Fucecchio	51	Max WS	Att_Tr200_Tp3h	59.52	18.06	21.51	20.71	21.65	0.001712	1.90	48.49	72.43	0.41
Rio_Fucecchio	51	Max WS	Att_Tr100_Tp3h	43.38	18.06	21.42	20.37	21.52	0.001173	1.53	42.44	69.81	0.34
Rio_Fucecchio	51	Max WS	Att_Tr30_T3h	30.93	18.06	20.62	20.06	20.85	0.003537	2.13	14.54	10.00	0.56
Rio_Fucecchio	50.5			Bridge									
Rio_Fucecchio	50	Max WS	Att_Tr200_Tp3h	59.51	18.06	20.99		21.52	0.006669	3.22	18.52	11.43	0.79
Rio_Fucecchio	50	Max WS	Att_Tr100_Tp3h	55.64	18.06	20.88		21.41	0.007164	3.23	17.22	10.66	0.81
Rio_Fucecchio	50	Max WS	Att_Tr30_T3h	30.93	18.06	20.32		20.68	0.006470	2.64	11.72	9.26	0.75
Rio_Fucecchio	49	Max WS	Att_Tr200_Tp3h	59.51	18.06	20.93		21.50	0.007455	3.34	17.82	10.80	0.83
Rio_Fucecchio	49	Max WS	Att_Tr100_Tp3h	56.05	18.06	20.79		21.39	0.008374	3.43	16.36	10.45	0.87
Rio_Fucecchio	49	Max WS	Att_Tr30_T3h	30.93	18.06	20.25		20.65	0.007627	2.80	11.05	9.08	0.81
Rio_Fucecchio	48.9			Lat Struct									
Rio_Fucecchio	48	Max WS	Att_Tr200_Tp3h	59.51	17.69	20.88		21.14	0.002365	2.42	28.80	17.02	0.49
Rio_Fucecchio	48	Max WS	Att_Tr100_Tp3h	54.35	17.69	20.66		20.95	0.002824	2.49	25.22	16.62	0.53
Rio_Fucecchio	48	Max WS	Att_Tr30_T3h	30.93	17.69	20.10		20.31	0.002868	2.07	16.09	15.53	0.51
Rio_Fucecchio	47	Max WS	Att_Tr200_Tp3h	59.51	17.53	20.69		20.95	0.002286	2.36	29.03	16.86	0.49
Rio_Fucecchio	47	Max WS	Att_Tr100_Tp3h	51.53	17.53	20.43		20.70	0.002646	2.36	24.77	16.58	0.51
Rio_Fucecchio	47	Max WS	Att_Tr30_T3h	30.93	17.53	19.79		20.04	0.003642	2.19	14.39	15.88	0.57
Rio_Fucecchio	46	Max WS	Att_Tr200_Tp3h	59.50	17.19	20.60		20.82	0.001793	2.28	35.04	27.63	0.43
Rio_Fucecchio	46	Max WS	Att_Tr100_Tp3h	51.51	17.19	20.33		20.55	0.001985	2.24	28.70	20.11	0.45
Rio_Fucecchio	46	Max WS	Att_Tr30_T3h	30.93	17.19	19.69		19.85	0.002045	1.88	18.45	15.15	0.43
Rio_Fucecchio	45	Max WS	Att_Tr200_Tp3h	59.50	17.19	20.40		20.68	0.002402	2.51	30.19	22.11	0.49
Rio_Fucecchio	45	Max WS	Att_Tr100_Tp3h	51.47	17.19	20.14		20.39	0.002477	2.38	25.39	15.57	0.49
Rio_Fucecchio	45	Max WS	Att_Tr30_T3h	30.93	17.19	19.42		19.66	0.003466	2.25	15.03	11.13	0.55

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	44	Max WS	Att_Tr200_Tp3h	59.50	17.33	20.42		20.51	0.000948	1.31	45.53	25.22	0.31
Rio_Fucecchio	44	Max WS	Att_Tr100_Tp3h	51.50	17.33	20.15		20.24	0.001106	1.33	38.73	23.58	0.33
Rio_Fucecchio	44	Max WS	Att_Tr30_T3h	30.93	17.33	19.33		19.44	0.002027	1.44	21.55	18.80	0.43
Rio_Fucecchio	43	Max WS	Att_Tr200_Tp3h	59.50	17.33	20.06	19.48	20.58	0.003565	3.18	18.72	23.10	0.66
Rio_Fucecchio	43	Max WS	Att_Tr100_Tp3h	51.48	17.33	19.81	19.31	20.29	0.003898	3.08	16.71	21.59	0.67
Rio_Fucecchio	43	Max WS	Att_Tr30_T3h	30.93	17.33	19.06	18.84	19.47	0.005905	2.85	10.86	17.18	0.77
Rio_Fucecchio	42.5			Bridge									
Rio_Fucecchio	42	Max WS	Att_Tr200_Tp3h	59.50	16.75	19.45		20.25	0.009056	3.97	15.01	10.96	0.87
Rio_Fucecchio	42	Max WS	Att_Tr100_Tp3h	50.81	16.75	19.36		20.00	0.007668	3.54	14.35	10.79	0.79
Rio_Fucecchio	42	Max WS	Att_Tr30_T3h	30.93	16.75	18.90		19.29	0.006677	2.79	11.10	7.85	0.71
Rio_Fucecchio	41	Max WS	Att_Tr200_Tp3h	59.50	16.75	19.59		20.15	0.009212	3.32	17.93	11.24	0.84
Rio_Fucecchio	41	Max WS	Att_Tr100_Tp3h	51.45	16.75	19.42		19.94	0.009425	3.20	16.07	10.90	0.84
Rio_Fucecchio	41	Max WS	Att_Tr30_T3h	30.93	16.75	18.84		19.26	0.008428	2.86	10.81	7.73	0.77
Rio_Fucecchio	40	Max WS	Att_Tr200_Tp3h	59.50	16.52	19.62		19.76	0.001425	1.71	34.77	16.35	0.37
Rio_Fucecchio	40	Max WS	Att_Tr100_Tp3h	51.42	16.52	19.42		19.56	0.001407	1.62	31.65	16.09	0.37
Rio_Fucecchio	40	Max WS	Att_Tr30_T3h	30.93	16.52	18.85		18.94	0.001400	1.37	22.62	15.32	0.36
Rio_Fucecchio	39	Max WS	Att_Tr200_Tp3h	59.50	16.52	19.61	18.51	19.76	0.001448	1.72	34.59	16.33	0.38
Rio_Fucecchio	39	Max WS	Att_Tr100_Tp3h	51.41	16.52	19.41	18.40	19.55	0.001431	1.63	31.47	16.07	0.37
Rio_Fucecchio	39	Max WS	Att_Tr30_T3h	30.93	16.52	18.84	18.08	18.94	0.001432	1.38	22.46	15.29	0.36
Rio_Fucecchio	38.5			Bridge									
Rio_Fucecchio	38	Max WS	Att_Tr200_Tp3h	59.50	16.52	19.37		19.56	0.002047	1.93	30.78	16.01	0.44
Rio_Fucecchio	38	Max WS	Att_Tr100_Tp3h	51.41	16.52	19.22		19.39	0.001956	1.81	28.35	15.80	0.43
Rio_Fucecchio	38	Max WS	Att_Tr30_T3h	30.93	16.52	18.73		18.84	0.001825	1.49	20.74	15.14	0.41
Rio_Fucecchio	37	Max WS	Att_Tr200_Tp3h	59.50	16.52	19.36		19.55	0.002078	1.94	30.63	16.00	0.45
Rio_Fucecchio	37	Max WS	Att_Tr100_Tp3h	51.41	16.52	19.21		19.38	0.001986	1.82	28.20	15.80	0.44
Rio_Fucecchio	37	Max WS	Att_Tr30_T3h	30.93	16.52	18.72		18.83	0.001861	1.50	20.61	15.15	0.41
Rio_Fucecchio	36	Max WS	Att_Tr200_Tp3h	59.50	16.64	18.88		19.42	0.008574	3.25	18.30	12.98	0.87
Rio_Fucecchio	36	Max WS	Att_Tr100_Tp3h	51.35	16.64	18.74		19.23	0.008641	3.11	16.51	12.63	0.87
Rio_Fucecchio	36	Max WS	Att_Tr30_T3h	30.93	16.64	18.29		18.69	0.010410	2.80	11.03	11.51	0.91

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	35	Max WS	Att_Tr200_Tp3h	59.50	15.94	18.98		19.16	0.001859	1.90	31.38	13.92	0.40
Rio_Fucecchio	35	Max WS	Att_Tr100_Tp3h	51.32	15.94	18.83		18.99	0.001698	1.75	29.31	13.92	0.39
Rio_Fucecchio	35	Max WS	Att_Tr30_T3h	30.93	15.94	18.29		18.39	0.001532	1.42	21.75	13.92	0.36
Rio_Fucecchio	34	Max WS	Att_Tr200_Tp3h	59.50	15.94	18.97	17.96	19.16	0.001886	1.91	31.23	13.92	0.41
Rio_Fucecchio	34	Max WS	Att_Tr100_Tp3h	51.32	15.94	18.82	17.84	18.98	0.001723	1.76	29.17	13.92	0.39
Rio_Fucecchio	34	Max WS	Att_Tr30_T3h	30.93	15.94	18.28	17.52	18.38	0.001560	1.43	21.62	13.92	0.37
Rio_Fucecchio	33.5			Bridge									
Rio_Fucecchio	33	Max WS	Att_Tr200_Tp3h	59.50	15.94	18.90		19.09	0.002091	1.97	30.18	13.92	0.43
Rio_Fucecchio	33	Max WS	Att_Tr100_Tp3h	51.32	15.94	18.76		18.93	0.001886	1.81	28.31	13.92	0.41
Rio_Fucecchio	33	Max WS	Att_Tr30_T3h	30.92	15.94	18.24		18.35	0.001693	1.47	21.05	13.92	0.38
Rio_Fucecchio	32.9			Lat Struct									
Rio_Fucecchio	32.8			Lat Struct									
Rio_Fucecchio	32	Max WS	Att_Tr200_Tp3h	59.50	15.94	18.88		19.08	0.002129	1.98	30.00	13.92	0.43
Rio_Fucecchio	32	Max WS	Att_Tr100_Tp3h	51.32	15.94	18.75		18.92	0.001919	1.82	28.15	13.92	0.41
Rio_Fucecchio	32	Max WS	Att_Tr30_T3h	30.92	15.94	18.23		18.34	0.001729	1.48	20.91	13.92	0.39
Rio_Fucecchio	31	Max WS	Att_Tr200_Tp3h	59.50	15.60	18.68		18.87	0.002018	1.93	30.91	16.49	0.45
Rio_Fucecchio	31	Max WS	Att_Tr100_Tp3h	51.27	15.60	18.57		18.73	0.001794	1.76	29.06	16.22	0.42
Rio_Fucecchio	31	Max WS	Att_Tr30_T3h	30.92	15.60	18.04		18.16	0.001721	1.48	20.91	14.96	0.40
Rio_Fucecchio	30	Max WS	Att_Tr200_Tp3h	58.35	15.33	18.38		18.50	0.001265	1.58	43.49	36.95	0.36
Rio_Fucecchio	30	Max WS	Att_Tr100_Tp3h	50.59	15.33	18.29		18.39	0.001142	1.46	40.26	36.84	0.34
Rio_Fucecchio	30	Max WS	Att_Tr30_T3h	30.92	15.33	17.75		17.84	0.001273	1.33	23.21	15.53	0.35
Rio_Fucecchio	29	Max WS	Att_Tr200_Tp3h	54.00	14.79	17.49		17.81	0.004264	2.51	21.52	13.20	0.63
Rio_Fucecchio	29	Max WS	Att_Tr100_Tp3h	49.83	14.79	17.41		17.71	0.004204	2.44	20.42	12.93	0.62
Rio_Fucecchio	29	Max WS	Att_Tr30_T3h	30.92	14.79	16.98		17.19	0.003715	2.04	15.19	11.57	0.57
Rio_Fucecchio	28	Max WS	Att_Tr200_Tp3h	54.00	14.52	16.87		17.15	0.004155	2.36	22.91	15.97	0.63
Rio_Fucecchio	28	Max WS	Att_Tr100_Tp3h	49.70	14.52	16.77		17.05	0.004349	2.33	21.32	15.66	0.64
Rio_Fucecchio	28	Max WS	Att_Tr30_T3h	30.92	14.52	16.33		16.55	0.005060	2.10	14.71	14.29	0.66

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	27	Max WS	Att_Tr200_Tp3h	54.00	13.90	16.74		16.81	0.000716	1.20	44.85	23.64	0.28
Rio_Fucecchio	27	Max WS	Att_Tr100_Tp3h	49.65	13.90	16.62		16.69	0.000732	1.18	42.01	23.19	0.28
Rio_Fucecchio	27	Max WS	Att_Tr30_T3h	30.91	13.90	16.06		16.11	0.000796	1.04	29.60	21.11	0.28
Rio_Fucecchio	26	Max WS	Att_Tr200_Tp3h	54.00	13.90	16.74	15.47	16.81	0.000723	1.21	44.70	23.62	0.28
Rio_Fucecchio	26	Max WS	Att_Tr100_Tp3h	49.64	13.90	16.61	15.41	16.69	0.000740	1.19	41.86	23.17	0.28
Rio_Fucecchio	26	Max WS	Att_Tr30_T3h	30.91	13.90	16.05	15.15	16.11	0.000807	1.05	29.45	21.08	0.28
Rio_Fucecchio	25.5			Bridge									
Rio_Fucecchio	25	Max WS	Att_Tr200_Tp3h	54.00	13.90	16.69		16.77	0.000773	1.24	43.67	23.45	0.29
Rio_Fucecchio	25	Max WS	Att_Tr100_Tp3h	49.59	13.90	16.57		16.65	0.000788	1.21	40.93	23.02	0.29
Rio_Fucecchio	25	Max WS	Att_Tr30_T3h	30.91	13.90	16.03		16.08	0.000855	1.07	28.89	20.98	0.29
Rio_Fucecchio	24.9			Lat Struct									
Rio_Fucecchio	24.8			Lat Struct									
Rio_Fucecchio	24	Max WS	Att_Tr200_Tp3h	54.00	13.90	16.69		16.77	0.000776	1.24	43.63	23.45	0.29
Rio_Fucecchio	24	Max WS	Att_Tr100_Tp3h	49.59	13.90	16.57		16.64	0.000790	1.21	40.89	23.01	0.29
Rio_Fucecchio	24	Max WS	Att_Tr30_T3h	30.91	13.90	16.02		16.08	0.000859	1.07	28.85	20.97	0.29
Rio_Fucecchio	23	Max WS	Att_Tr200_Tp3h	53.99	13.04	16.28		16.42	0.001286	1.65	32.67	18.96	0.36
Rio_Fucecchio	23	Max WS	Att_Tr100_Tp3h	49.51	13.04	16.17		16.30	0.001253	1.60	30.98	14.89	0.35
Rio_Fucecchio	23	Max WS	Att_Tr30_T3h	30.91	13.04	15.67		15.75	0.001034	1.30	23.76	13.61	0.31
Rio_Fucecchio	22	Max WS	Att_Tr200_Tp3h	53.99	13.39	16.20		16.36	0.001774	1.75	30.87	17.81	0.42
Rio_Fucecchio	22	Max WS	Att_Tr100_Tp3h	49.51	13.39	16.09		16.24	0.001811	1.72	28.85	17.44	0.43
Rio_Fucecchio	22	Max WS	Att_Tr30_T3h	30.91	13.39	15.57		15.69	0.001981	1.53	20.25	15.75	0.43
Rio_Fucecchio	21	Max WS	Att_Tr200_Tp3h	53.99	13.39	16.00	15.39	16.36	0.003148	2.65	20.37	17.14	0.59
Rio_Fucecchio	21	Max WS	Att_Tr100_Tp3h	49.51	13.39	15.90	15.31	16.23	0.003100	2.55	19.42	16.83	0.58
Rio_Fucecchio	21	Max WS	Att_Tr30_T3h	30.91	13.39	15.46	14.94	15.68	0.002812	2.05	15.08	15.40	0.53
Rio_Fucecchio	20.5			Bridge									
Rio_Fucecchio	20	Max WS	Att_Tr200_Tp3h	53.99	13.39	15.88		16.29	0.003804	2.81	19.24	16.77	0.64
Rio_Fucecchio	20	Max WS	Att_Tr100_Tp3h	49.49	13.39	15.80		16.17	0.003712	2.69	18.40	16.50	0.63
Rio_Fucecchio	20	Max WS	Att_Tr30_T3h	30.91	13.39	15.39		15.63	0.003316	2.15	14.35	15.16	0.57

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	19.9			Lat Struct									
Rio_Fucecchio	19.8			Lat Struct									
Rio_Fucecchio	19	Max WS	Att_Tr200_Tp3h	53.99	13.39	16.08		16.26	0.002189	1.88	28.69	17.41	0.47
Rio_Fucecchio	19	Max WS	Att_Tr100_Tp3h	49.51	13.39	15.97		16.15	0.002233	1.85	26.83	17.06	0.47
Rio_Fucecchio	19	Max WS	Att_Tr30_T3h	30.91	13.39	15.47		15.61	0.002492	1.65	18.73	15.43	0.48
Rio_Fucecchio	18	Max WS	Att_Tr200_Tp3h	53.99	12.30	15.71		15.84	0.001125	1.56	34.50	15.84	0.34
Rio_Fucecchio	18	Max WS	Att_Tr100_Tp3h	49.48	12.30	15.61		15.72	0.001079	1.51	32.88	15.54	0.33
Rio_Fucecchio	18	Max WS	Att_Tr30_T3h	30.90	12.30	15.13		15.20	0.000833	1.20	25.72	14.12	0.28
Rio_Fucecchio	17	Max WS	Att_Tr200_Tp3h	53.99	12.85	15.28		15.47	0.002388	1.92	28.16	18.03	0.49
Rio_Fucecchio	17	Max WS	Att_Tr100_Tp3h	49.46	12.85	15.18		15.36	0.002415	1.87	26.40	17.68	0.49
Rio_Fucecchio	17	Max WS	Att_Tr30_T3h	30.90	12.85	14.75		14.88	0.002459	1.63	19.01	16.11	0.48
Rio_Fucecchio	16	Max WS	Att_Tr200_Tp3h	53.99	12.85	15.27	14.60	15.46	0.002460	1.94	27.87	17.98	0.50
Rio_Fucecchio	16	Max WS	Att_Tr100_Tp3h	49.46	12.85	15.17	14.53	15.35	0.002491	1.89	26.12	17.62	0.50
Rio_Fucecchio	16	Max WS	Att_Tr30_T3h	30.90	12.85	14.73	14.23	14.87	0.002561	1.65	18.75	16.06	0.49
Rio_Fucecchio	15.5			Bridge									
Rio_Fucecchio	15	Max WS	Att_Tr200_Tp3h	53.98	12.85	15.08		15.32	0.003545	2.20	24.57	17.30	0.59
Rio_Fucecchio	15	Max WS	Att_Tr100_Tp3h	49.46	12.85	14.99		15.22	0.003618	2.15	22.97	16.97	0.59
Rio_Fucecchio	15	Max WS	Att_Tr30_T3h	30.88	12.85	14.57		14.76	0.003913	1.90	16.25	15.49	0.59
Rio_Fucecchio	14	Max WS	Att_Tr200_Tp3h	53.98	12.85	15.05		15.31	0.003758	2.24	24.08	17.20	0.60
Rio_Fucecchio	14	Max WS	Att_Tr100_Tp3h	49.46	12.85	14.96		15.20	0.003853	2.20	22.48	16.87	0.61
Rio_Fucecchio	14	Max WS	Att_Tr30_T3h	30.88	12.85	14.54		14.73	0.004288	1.96	15.76	15.37	0.62
Rio_Fucecchio	13.9			Lat Struct									
Rio_Fucecchio	13.8			Lat Struct									
Rio_Fucecchio	13	Max WS	Att_Tr200_Tp3h	53.98	11.50	15.03		15.14	0.001026	1.52	35.40	15.71	0.32
Rio_Fucecchio	13	Max WS	Att_Tr100_Tp3h	49.46	11.50	14.93		15.04	0.000964	1.46	33.98	15.44	0.31
Rio_Fucecchio	13	Max WS	Att_Tr30_T3h	30.88	11.50	14.52		14.58	0.000653	1.11	27.81	14.25	0.25

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	12	Max WS	Att_Tr200_Tp3h	27.21	11.78	14.51		14.55	0.000439	1.01	35.69	28.62	0.21
Rio_Fucecchio	12	Max WS	Att_Tr100_Tp3h	25.09	11.78	14.40		14.44	0.000475	1.02	32.43	28.24	0.22
Rio_Fucecchio	12	Max WS	Att_Tr30_T3h	29.89	11.78	14.14		14.24	0.001226	1.51	25.21	27.39	0.34
Rio_Fucecchio	11.8			Lat Struct									
Rio_Fucecchio	11	Max WS	Att_Tr200_Tp3h	13.88	11.76	14.51		14.52	0.000120	0.55	32.77	23.83	0.11
Rio_Fucecchio	11	Max WS	Att_Tr100_Tp3h	12.49	11.76	14.40		14.41	0.000120	0.53	30.08	23.03	0.11
Rio_Fucecchio	11	Max WS	Att_Tr30_T3h	11.04	11.76	14.09		14.10	0.000173	0.58	23.33	20.91	0.13
Rio_Fucecchio	10	Max WS	Att_Tr200_Tp3h	5.61	11.68	14.51		14.51	0.000027	0.24	25.87	13.69	0.05
Rio_Fucecchio	10	Max WS	Att_Tr100_Tp3h	4.73	11.68	14.40		14.40	0.000023	0.22	24.30	13.58	0.05
Rio_Fucecchio	10	Max WS	Att_Tr30_T3h	3.57	11.68	14.09		14.09	0.000022	0.19	20.18	13.28	0.05
Rio_Fucecchio	9	Max WS	Att_Tr200_Tp3h	-1.55	11.72	14.51		14.51	0.000001	-0.04	46.23	23.91	0.01
Rio_Fucecchio	9	Max WS	Att_Tr100_Tp3h	-1.82	11.72	14.40		14.40	0.000001	-0.05	43.48	23.91	0.01
Rio_Fucecchio	9	Max WS	Att_Tr30_T3h	-1.84	11.72	14.09		14.09	0.000002	-0.06	36.12	23.91	0.01
Rio_Fucecchio	8	Max WS	Att_Tr200_Tp3h	-11.68	11.61	14.51		14.52	0.000045	-0.33	43.17	23.60	0.07
Rio_Fucecchio	8	Max WS	Att_Tr100_Tp3h	-10.72	11.61	14.40		14.40	0.000046	-0.33	40.45	23.60	0.07
Rio_Fucecchio	8	Max WS	Att_Tr30_T3h	-8.07	11.61	14.09		14.09	0.000045	-0.30	33.20	23.60	0.07
Rio_Fucecchio	7	Max WS	Att_Tr200_Tp3h	24.47	11.57	14.50		14.52	0.000121	0.63	50.17	25.30	0.12
Rio_Fucecchio	7	Max WS	Att_Tr100_Tp3h	22.87	11.57	14.38		14.40	0.000126	0.62	47.26	25.30	0.12
Rio_Fucecchio	7	Max WS	Att_Tr30_T3h	18.58	11.57	14.08		14.09	0.000140	0.60	39.50	25.30	0.13
Rio_Fucecchio	6	Max WS	Att_Tr200_Tp3h	25.66	11.56	14.22	13.56	14.77	0.018278	3.30	8.19	10.40	0.64
Rio_Fucecchio	6	Max WS	Att_Tr100_Tp3h	24.30	11.56	14.11		14.66	0.013019	3.28	7.40	2.90	0.66
Rio_Fucecchio	6	Max WS	Att_Tr30_T3h	19.66	11.56	13.86		14.30	0.011062	2.95	6.67	2.90	0.62
Rio_Fucecchio	5	Max WS	Att_Tr200_Tp3h	2.72	11.56	14.05		14.06	0.000174	0.38	7.22	2.90	0.08
Rio_Fucecchio	5	Max WS	Att_Tr100_Tp3h	2.86	11.56	13.94		13.95	0.000215	0.41	6.90	2.90	0.09
Rio_Fucecchio	5	Max WS	Att_Tr30_T3h	1.02	11.56	13.72		13.72	0.000035	0.16	6.27	2.90	0.04
Rio_Fucecchio	4	Max WS	Att_Tr200_Tp3h	2.69	11.56	14.05		14.05	0.000170	0.37	7.21	2.90	0.08
Rio_Fucecchio	4	Max WS	Att_Tr100_Tp3h	2.80	11.56	13.94		13.95	0.000207	0.41	6.90	2.90	0.08
Rio_Fucecchio	4	Max WS	Att_Tr30_T3h	1.02	11.56	13.72		13.72	0.000035	0.16	6.27	2.90	0.04
Rio_Fucecchio	3	Max WS	Att_Tr200_Tp3h	2.66	11.56	14.05		14.05	0.000167	0.37	7.21	2.90	0.07

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	3	Max WS	Att_Tr100_Tp3h	2.74	11.56	13.94		13.94	0.000198	0.40	6.89	2.90	0.08
Rio_Fucecchio	3	Max WS	Att_Tr30_T3h	1.02	11.56	13.72		13.72	0.000035	0.16	6.27	2.90	0.04

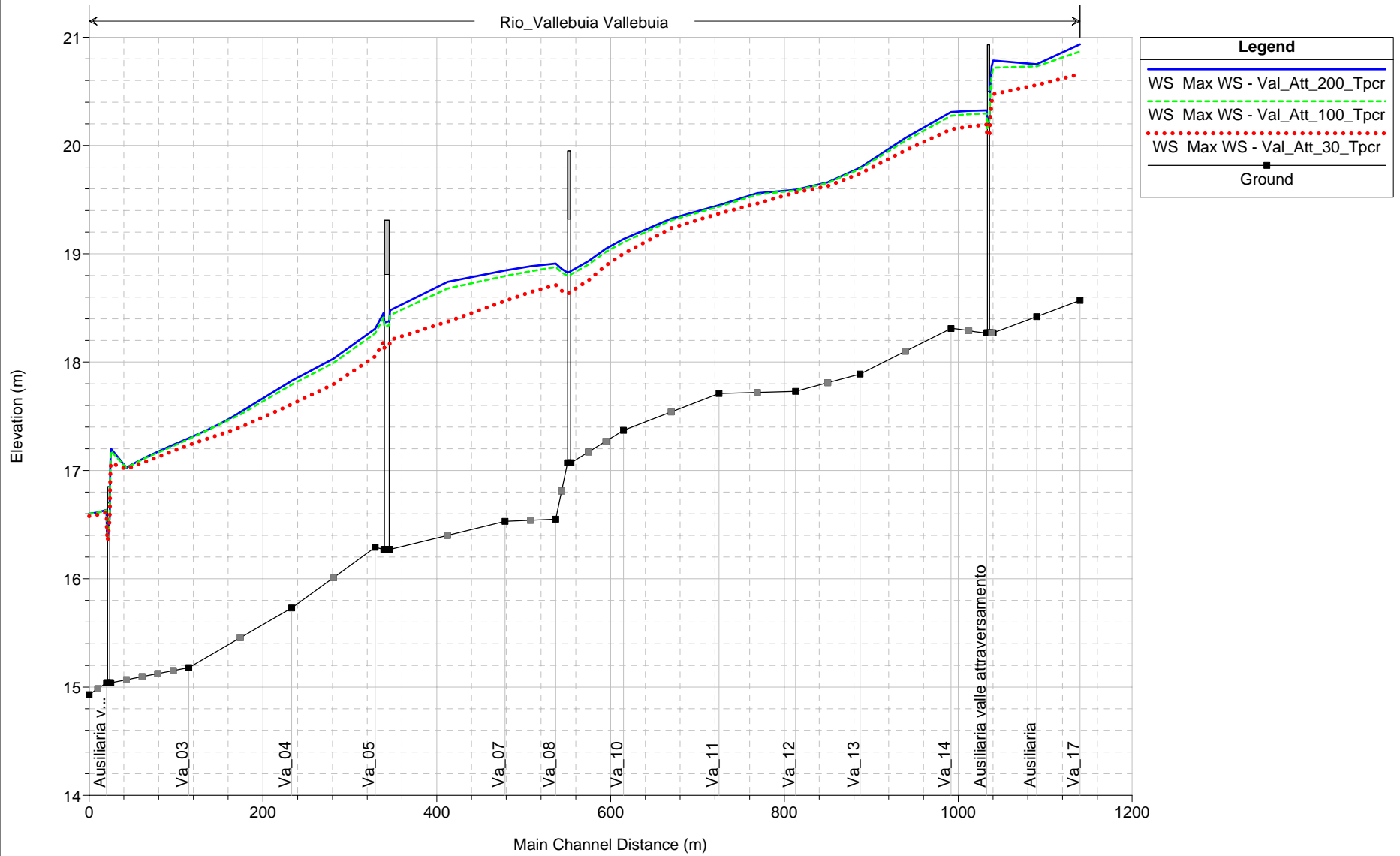
Scenario A2

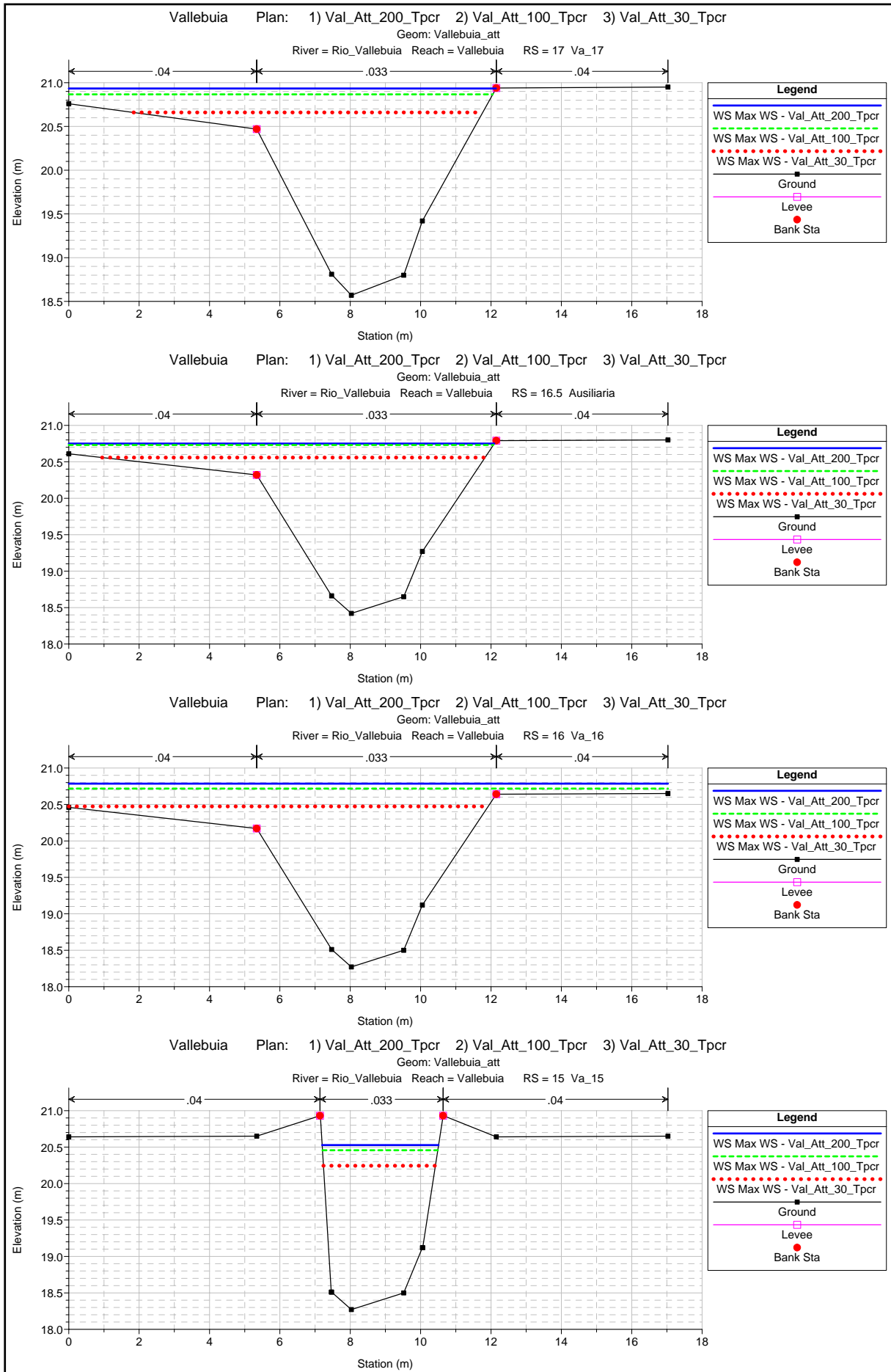
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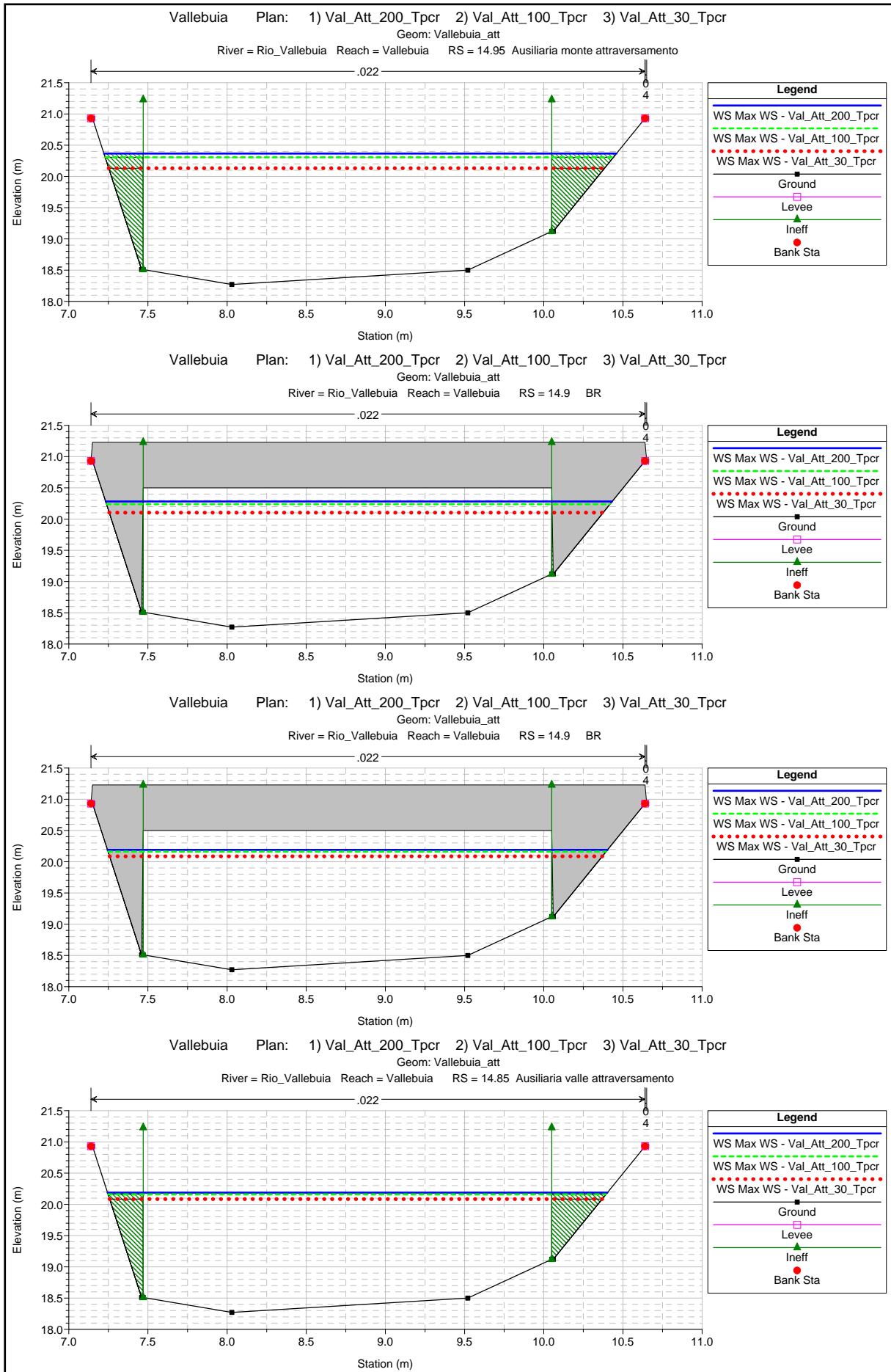
RIO DI VALLEBUIA

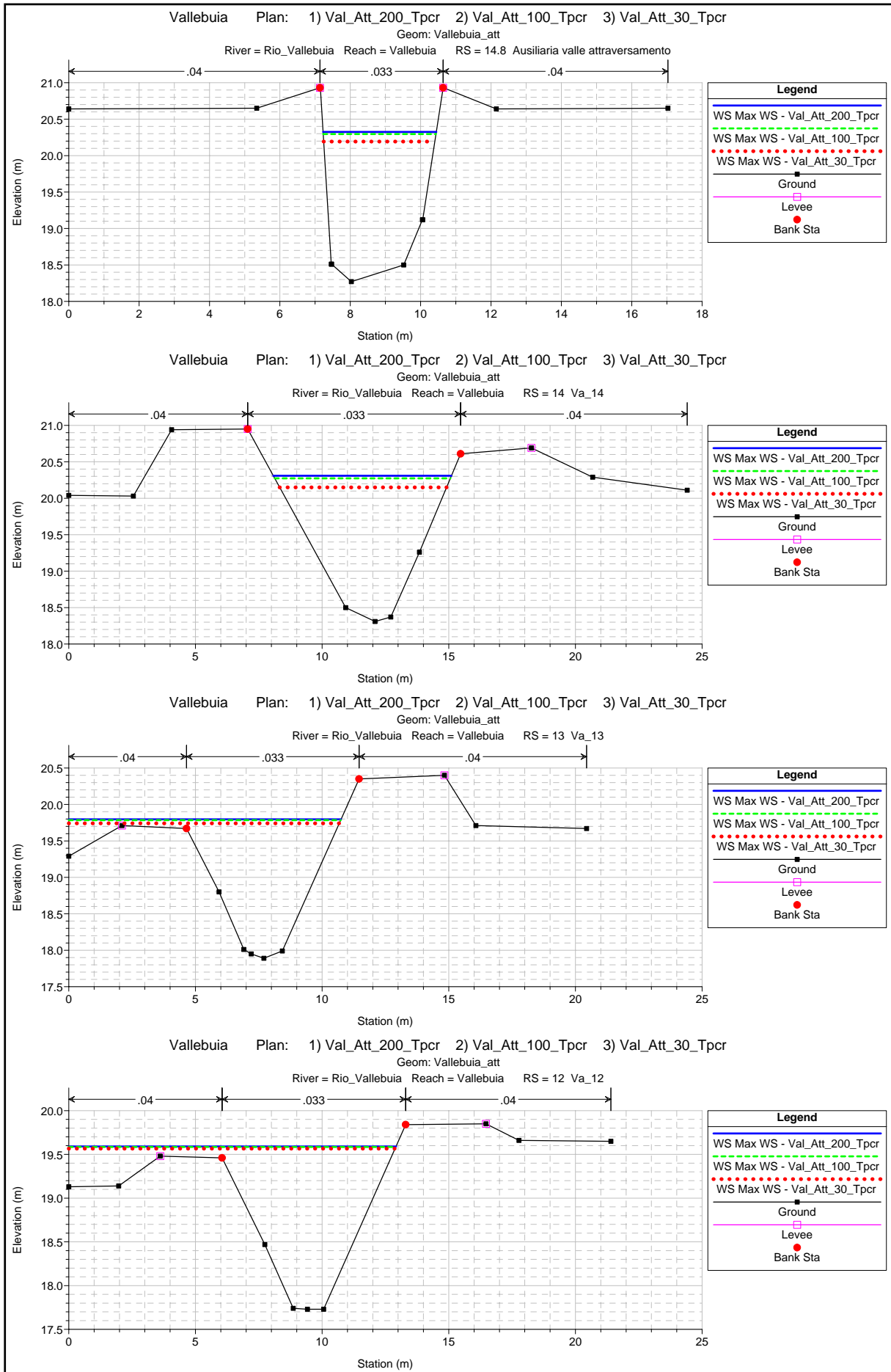
- **Profili**
- **Sezioni**
- **Tabelle di Output**

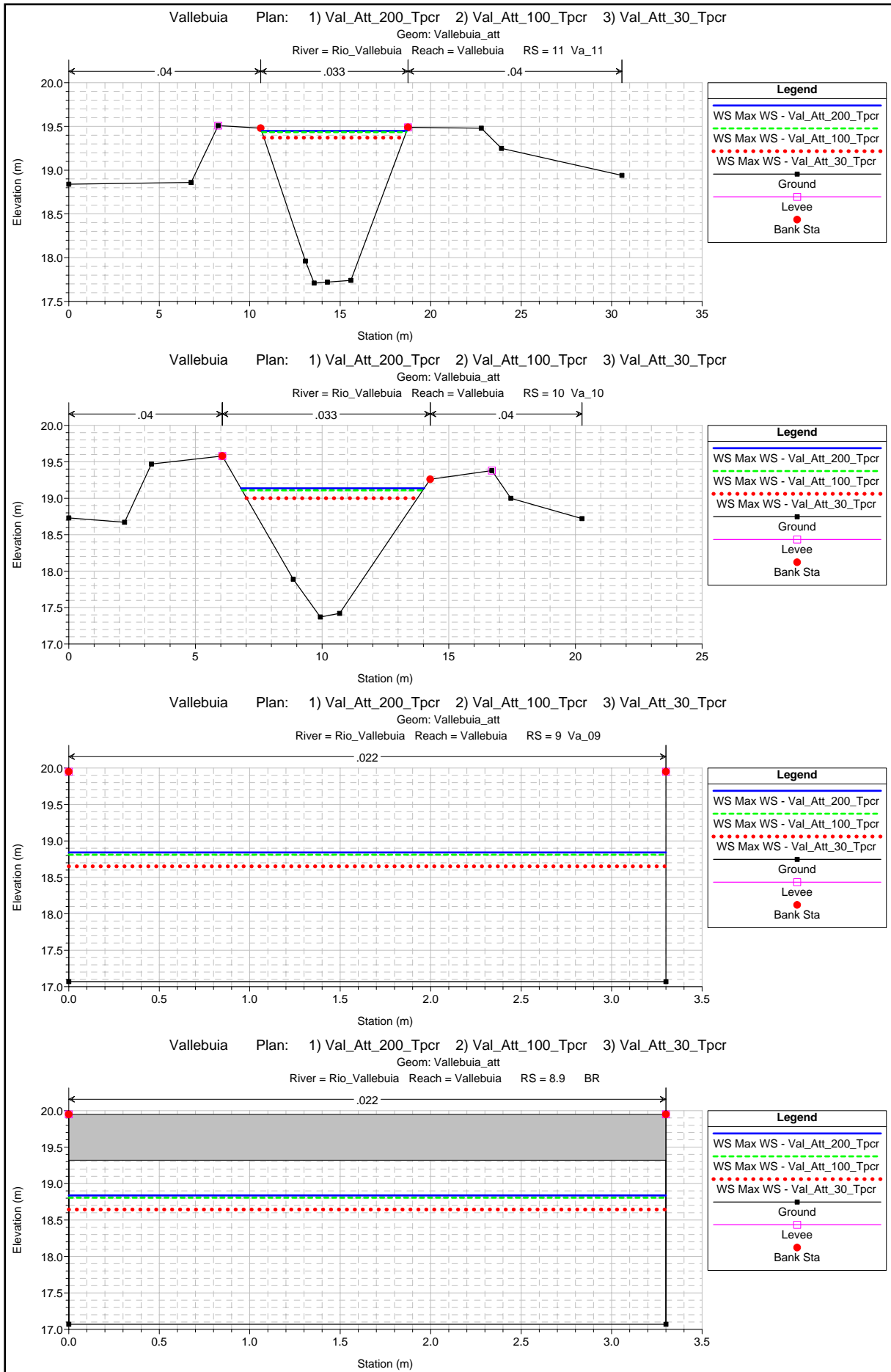
Vallebuia Plan: 1) Val_Att_200_Tpcr 2) Val_Att_100_Tpcr 3) Val_Att_30_Tpcr
 Geom: Vallebuia_att

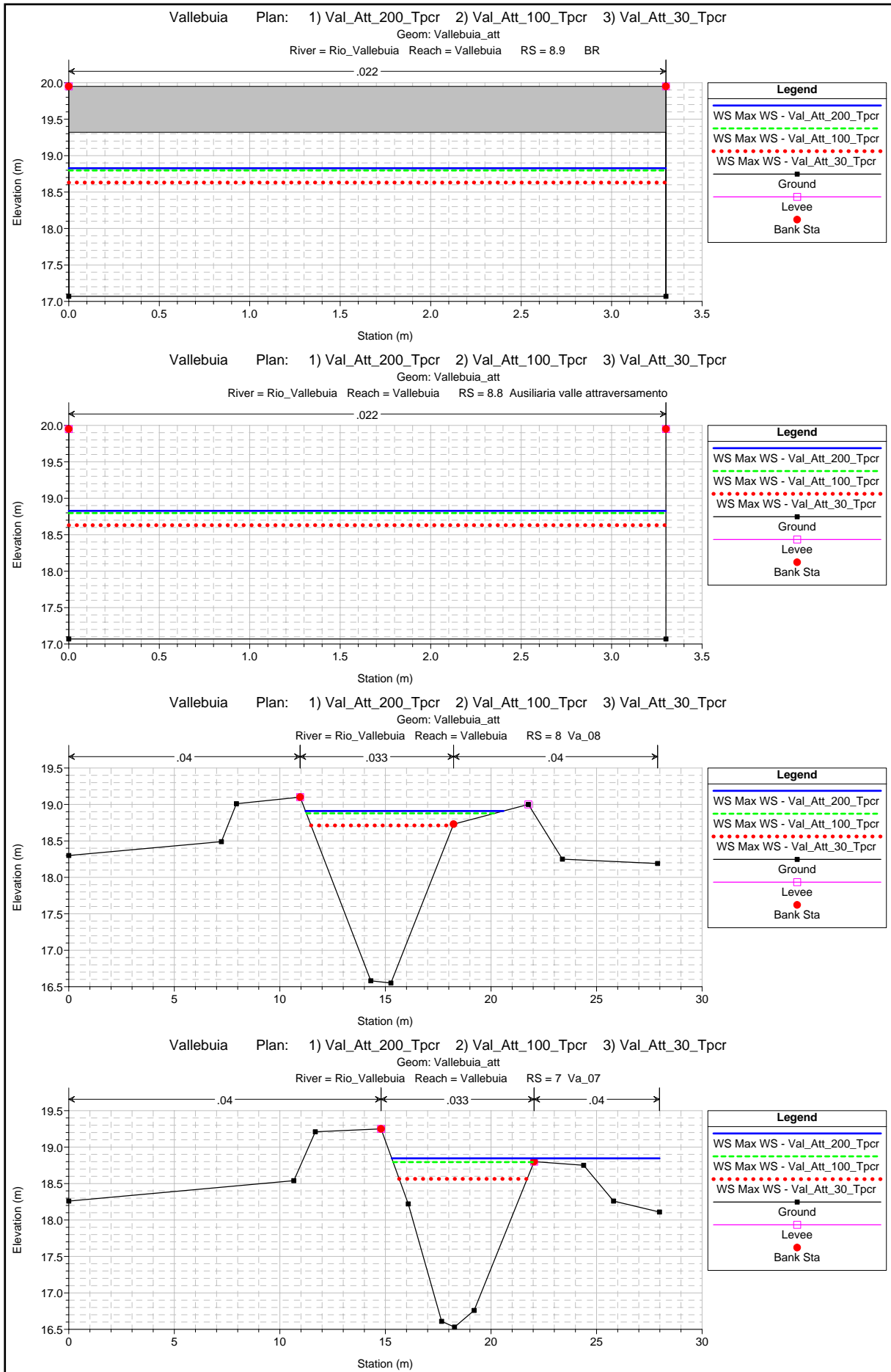


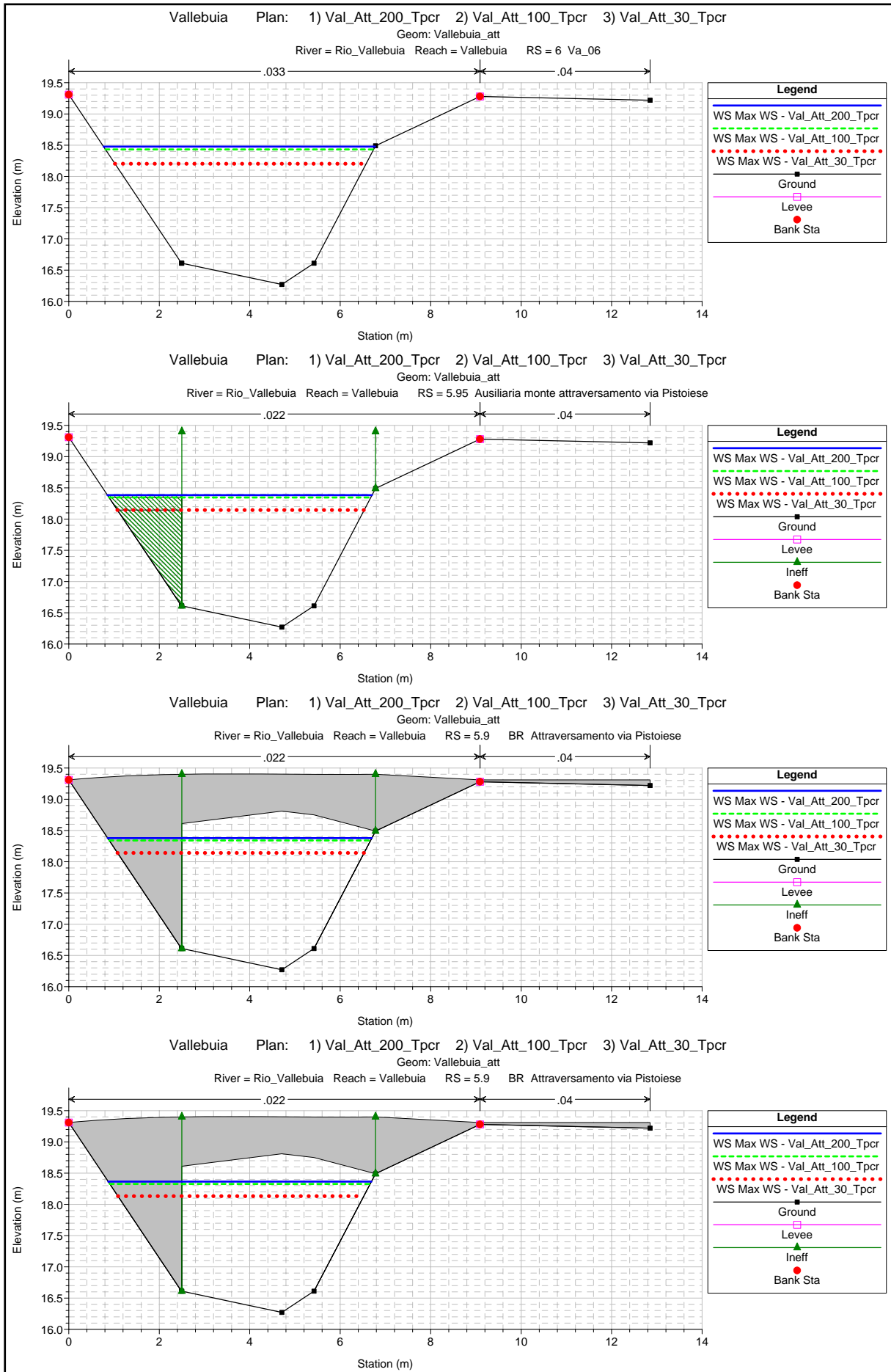


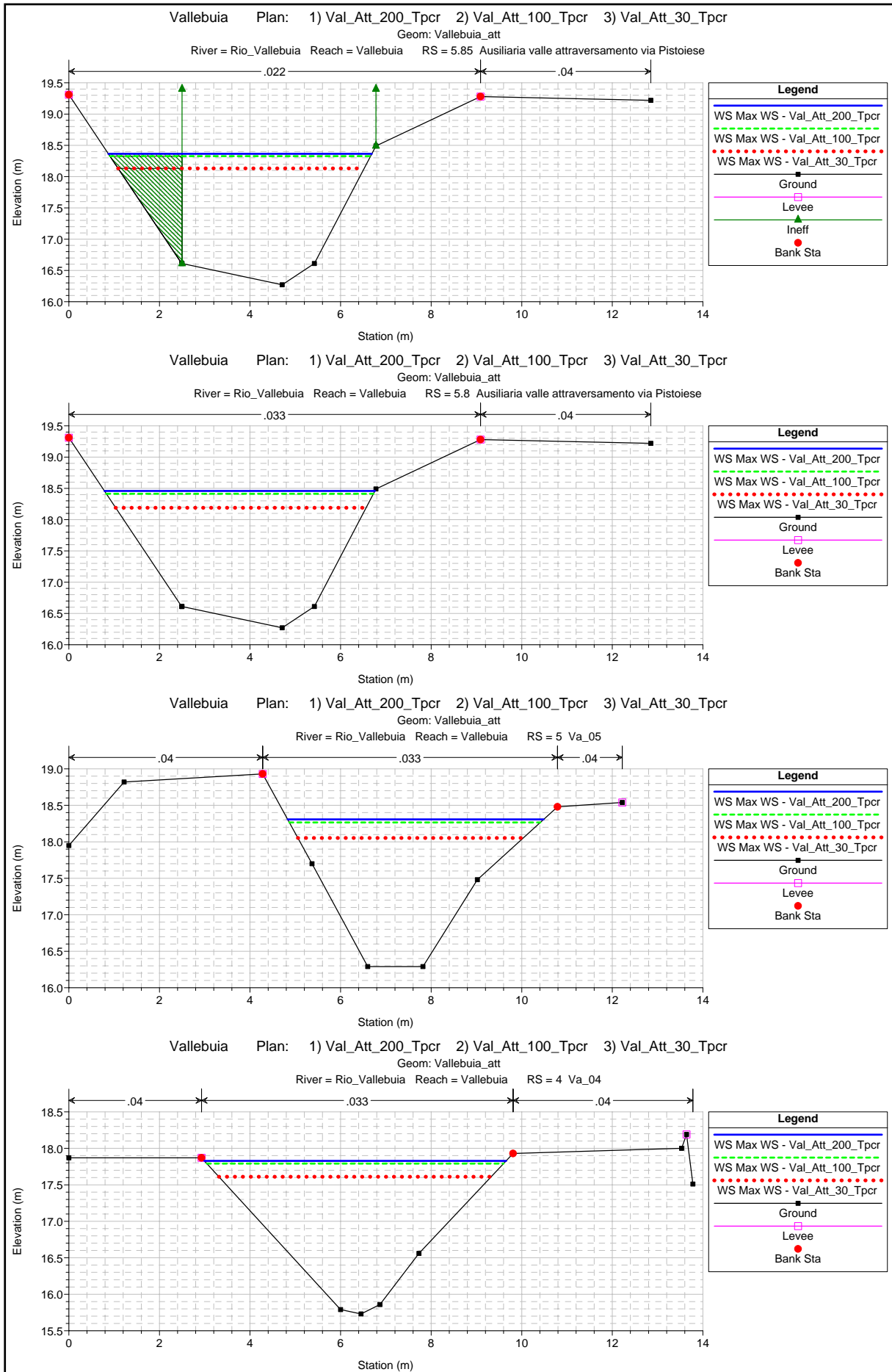


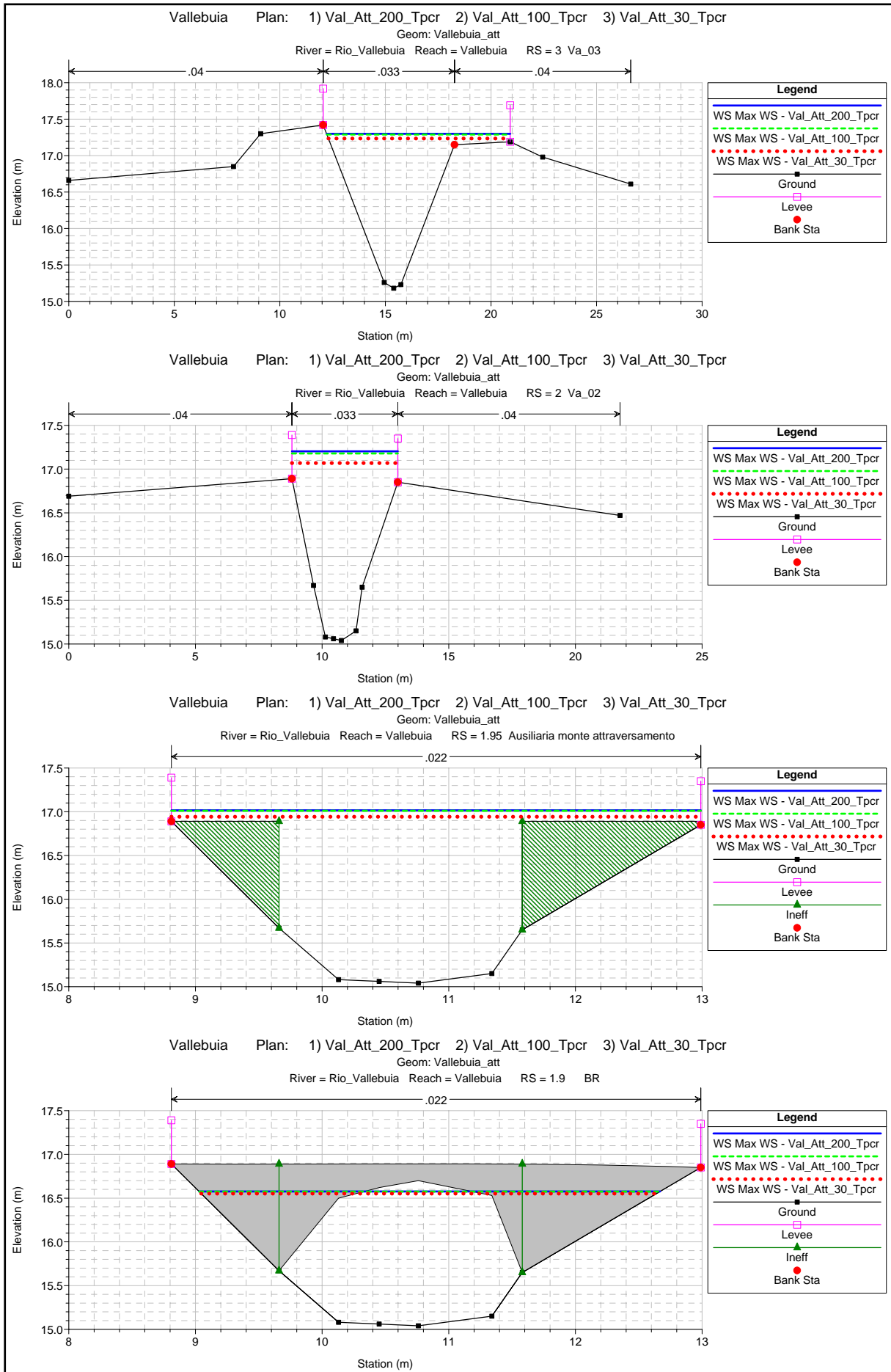


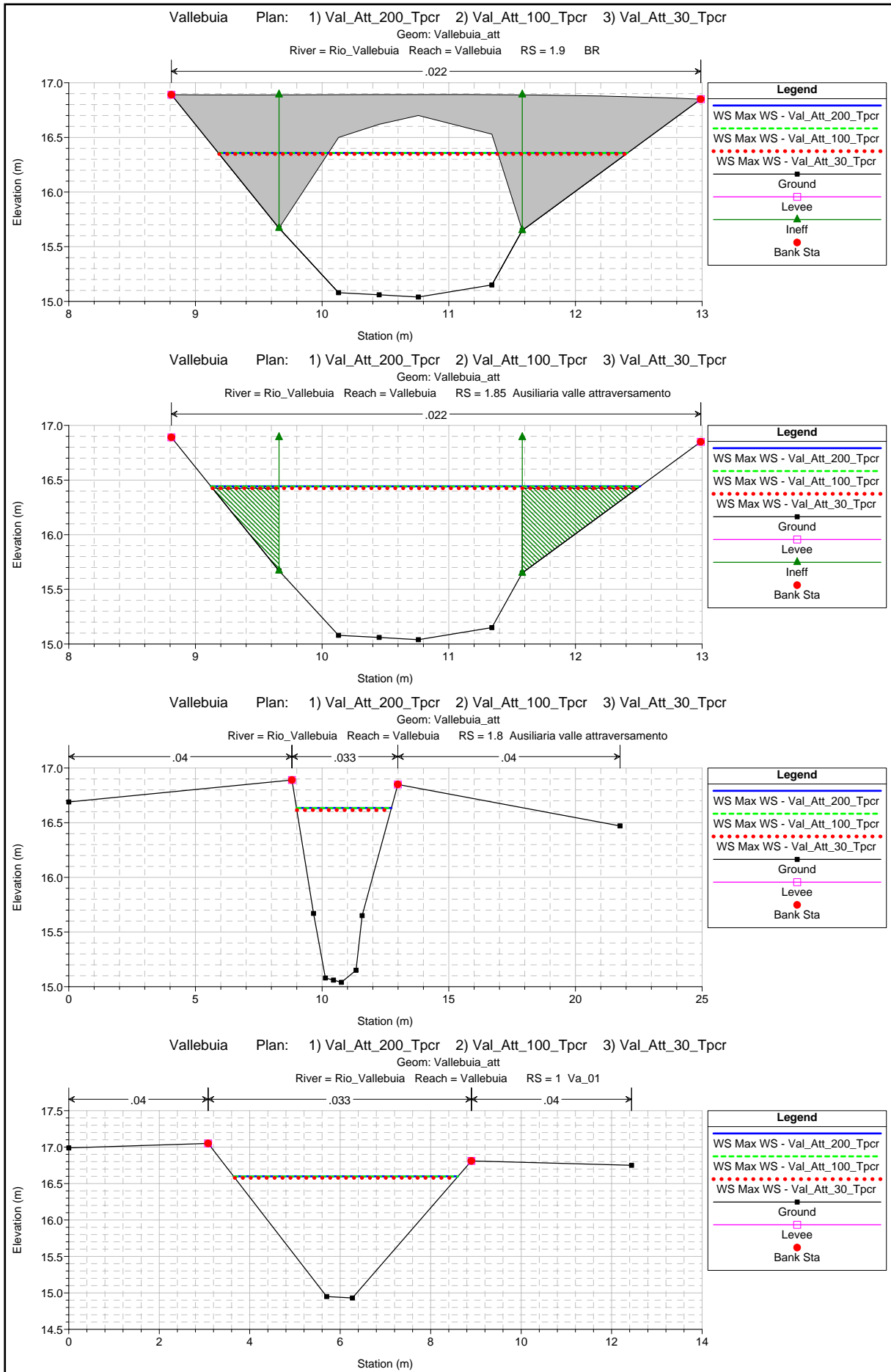












HEC-RAS River: Rio_Vallebuia Reach: Vallebuia Profile: Max WS

Reach	River Sta	Profile	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
Vallebuia	17	Max WS	Val_Att_200_Tpcr	20.61	18.57	20.93		21.12	0.003275	1.97	11.62	12.14	0.52
Vallebuia	17	Max WS	Val_Att_100_Tpcr	17.70	18.57	20.87		21.03	0.002852	1.80	10.81	12.05	0.48
Vallebuia	17	Max WS	Val_Att_30_Tpcr	12.46	18.57	20.66		20.78	0.002395	1.53	8.43	9.92	0.43
Vallebuia	16.5	Max WS	Val_Att_200_Tpcr	20.60	18.42	20.75		20.95	0.003556	2.03	11.21	12.10	0.54
Vallebuia	16.5	Max WS	Val_Att_100_Tpcr	17.70	18.42	20.73		20.88	0.002757	1.77	10.97	12.07	0.47
Vallebuia	16.5	Max WS	Val_Att_30_Tpcr	12.46	18.42	20.56		20.67	0.002118	1.46	8.94	10.88	0.41
Vallebuia	16.49			Lat Struct									
Vallebuia	16.48			Lat Struct									
Vallebuia	16	Max WS	Val_Att_200_Tpcr	16.04	18.27	20.79		20.87	0.001316	1.33	14.14	17.03	0.33
Vallebuia	16	Max WS	Val_Att_100_Tpcr	15.10	18.27	20.72		20.80	0.001400	1.33	13.00	17.03	0.34
Vallebuia	16	Max WS	Val_Att_30_Tpcr	12.45	18.27	20.47		20.57	0.001794	1.38	9.69	11.92	0.38
Vallebuia	15	Max WS	Val_Att_200_Tpcr	15.82	18.27	20.53		20.89	0.008777	2.68	5.91	3.31	0.64
Vallebuia	15	Max WS	Val_Att_100_Tpcr	15.04	18.27	20.46		20.81	0.008803	2.65	5.68	3.28	0.64
Vallebuia	15	Max WS	Val_Att_30_Tpcr	12.45	18.27	20.24		20.56	0.008432	2.49	4.99	3.18	0.64
Vallebuia	14.95	Max WS	Val_Att_200_Tpcr	15.82	18.27	20.37	20.04	20.90	0.002572	3.24	4.88	3.24	0.75
Vallebuia	14.95	Max WS	Val_Att_100_Tpcr	15.04	18.27	20.31	19.99	20.82	0.002590	3.18	4.73	3.21	0.75
Vallebuia	14.95	Max WS	Val_Att_30_Tpcr	12.45	18.27	20.13	19.81	20.56	0.002477	2.91	4.28	3.13	0.72
Vallebuia	14.9			Bridge									
Vallebuia	14.85	Max WS	Val_Att_200_Tpcr	15.82	18.27	20.19		20.84	0.003576	3.58	4.42	3.16	0.87
Vallebuia	14.85	Max WS	Val_Att_100_Tpcr	15.04	18.27	20.16		20.77	0.003423	3.46	4.35	3.14	0.85
Vallebuia	14.85	Max WS	Val_Att_30_Tpcr	12.45	18.27	20.09		20.54	0.002724	2.99	4.16	3.11	0.75
Vallebuia	14.8	Max WS	Val_Att_200_Tpcr	15.82	18.27	20.32		20.79	0.011948	3.01	5.25	3.22	0.75
Vallebuia	14.8	Max WS	Val_Att_100_Tpcr	15.04	18.27	20.30		20.73	0.011307	2.92	5.16	3.21	0.73
Vallebuia	14.8	Max WS	Val_Att_30_Tpcr	12.45	18.27	20.19		20.53	0.009190	2.58	4.83	3.16	0.67
Vallebuia	14.79			Lat Struct									
Vallebuia	14.78			Lat Struct									
Vallebuia	14	Max WS	Val_Att_200_Tpcr	15.82	18.31	20.31		20.49	0.003834	1.89	8.36	7.03	0.55
Vallebuia	14	Max WS	Val_Att_100_Tpcr	15.04	18.31	20.27		20.45	0.003747	1.85	8.12	6.94	0.55

HEC-RAS River: Rio_Vallebuia Reach: Vallebuia Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Vallebuia	14	Max WS	Val_Att_30_Tpcr	12.45	18.31	20.15		20.30	0.003442	1.71	7.28	6.59	0.52
Vallebuia	13	Max WS	Val_Att_200_Tpcr	15.58	17.89	19.80		20.03	0.005351	2.16	7.88	10.75	0.64
Vallebuia	13	Max WS	Val_Att_100_Tpcr	14.87	17.89	19.78		20.00	0.005045	2.08	7.76	10.73	0.62
Vallebuia	13	Max WS	Val_Att_30_Tpcr	12.41	17.89	19.74		19.91	0.004015	1.82	7.30	10.68	0.55
Vallebuia	12	Max WS	Val_Att_200_Tpcr	13.66	17.73	19.59		19.72	0.003203	1.67	9.27	12.92	0.51
Vallebuia	12	Max WS	Val_Att_100_Tpcr	13.23	17.73	19.59		19.71	0.003059	1.63	9.19	12.91	0.50
Vallebuia	12	Max WS	Val_Att_30_Tpcr	11.60	17.73	19.57		19.67	0.002511	1.46	8.94	12.88	0.45
Vallebuia	11	Max WS	Val_Att_200_Tpcr	12.02	17.71	19.45		19.55	0.002144	1.38	8.71	8.01	0.42
Vallebuia	11	Max WS	Val_Att_100_Tpcr	11.87	17.71	19.44		19.53	0.002162	1.38	8.60	7.97	0.42
Vallebuia	11	Max WS	Val_Att_30_Tpcr	11.04	17.71	19.37		19.47	0.002198	1.36	8.11	7.75	0.43
Vallebuia	10	Max WS	Val_Att_200_Tpcr	11.34	17.37	19.14		19.27	0.003334	1.60	7.09	7.24	0.52
Vallebuia	10	Max WS	Val_Att_100_Tpcr	11.37	17.37	19.11		19.25	0.003626	1.65	6.89	7.13	0.54
Vallebuia	10	Max WS	Val_Att_30_Tpcr	10.64	17.37	19.00		19.15	0.004303	1.73	6.15	6.75	0.58
Vallebuia	9	Max WS	Val_Att_200_Tpcr	11.19	17.07	18.84	18.12	19.03	0.002190	1.92	5.85	3.30	0.46
Vallebuia	9	Max WS	Val_Att_100_Tpcr	11.01	17.07	18.81	18.11	19.00	0.002215	1.92	5.75	3.30	0.46
Vallebuia	9	Max WS	Val_Att_30_Tpcr	10.54	17.07	18.65	18.08	18.86	0.002624	2.02	5.22	3.30	0.51
Vallebuia	8.9			Bridge									
Vallebuia	8.8	Max WS	Val_Att_200_Tpcr	11.16	17.07	18.83		19.02	0.002227	1.93	5.80	3.30	0.46
Vallebuia	8.8	Max WS	Val_Att_100_Tpcr	10.96	17.07	18.80		18.98	0.002250	1.92	5.70	3.30	0.47
Vallebuia	8.8	Max WS	Val_Att_30_Tpcr	10.54	17.07	18.63		18.84	0.002721	2.05	5.15	3.30	0.52
Vallebuia	8.79			Lat Struct									
Vallebuia	8.78			Lat Struct									
Vallebuia	8	Max WS	Val_Att_200_Tpcr	11.24	16.55	18.91		18.98	0.001258	1.17	9.83	9.39	0.32
Vallebuia	8	Max WS	Val_Att_100_Tpcr	11.03	16.55	18.88		18.95	0.001305	1.17	9.53	8.92	0.32
Vallebuia	8	Max WS	Val_Att_30_Tpcr	10.54	16.55	18.71		18.80	0.001748	1.28	8.25	6.73	0.37
Vallebuia	7	Max WS	Val_Att_200_Tpcr	11.18	16.53	18.85		18.91	0.001306	1.15	11.05	12.68	0.32
Vallebuia	7	Max WS	Val_Att_100_Tpcr	11.00	16.53	18.79		18.88	0.001667	1.28	8.62	6.67	0.36
Vallebuia	7	Max WS	Val_Att_30_Tpcr	10.53	16.53	18.56		18.67	0.002501	1.47	7.15	6.06	0.43

HEC-RAS River: Rio_Vallebuia Reach: Vallebuia Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Vallebuia	6	Max WS	Val_Att_200_Tpcr	14.60	16.27	18.48		18.62	0.002547	1.65	8.84	6.00	0.43
Vallebuia	6	Max WS	Val_Att_100_Tpcr	13.87	16.27	18.43		18.57	0.002500	1.62	8.57	5.93	0.43
Vallebuia	6	Max WS	Val_Att_30_Tpcr	10.53	16.27	18.20		18.31	0.002255	1.45	7.26	5.55	0.41
Vallebuia	5.95	Max WS	Val_Att_200_Tpcr	14.60	16.27	18.38	17.76	18.62	0.001554	2.14	6.81	5.85	0.54
Vallebuia	5.95	Max WS	Val_Att_100_Tpcr	13.87	16.27	18.35	17.72	18.57	0.001501	2.08	6.65	5.79	0.53
Vallebuia	5.95	Max WS	Val_Att_30_Tpcr	10.53	16.27	18.14	17.51	18.31	0.001258	1.81	5.83	5.46	0.48
Vallebuia	5.9			Bridge									
Vallebuia	5.85	Max WS	Val_Att_200_Tpcr	14.60	16.27	18.36		18.60	0.001609	2.17	6.73	5.82	0.55
Vallebuia	5.85	Max WS	Val_Att_100_Tpcr	13.87	16.27	18.33		18.55	0.001552	2.11	6.58	5.75	0.54
Vallebuia	5.85	Max WS	Val_Att_30_Tpcr	10.53	16.27	18.13		18.30	0.001290	1.82	5.78	5.43	0.49
Vallebuia	5.8	Max WS	Val_Att_200_Tpcr	14.60	16.27	18.46		18.60	0.002642	1.67	8.72	5.97	0.44
Vallebuia	5.8	Max WS	Val_Att_100_Tpcr	13.87	16.27	18.41		18.55	0.002589	1.64	8.46	5.90	0.44
Vallebuia	5.8	Max WS	Val_Att_30_Tpcr	10.53	16.27	18.19		18.30	0.002322	1.47	7.18	5.53	0.41
Vallebuia	5	Max WS	Val_Att_200_Tpcr	14.60	16.29	18.31		18.56	0.006217	2.23	6.55	5.65	0.66
Vallebuia	5	Max WS	Val_Att_100_Tpcr	13.87	16.29	18.27		18.51	0.006172	2.20	6.32	5.54	0.66
Vallebuia	5	Max WS	Val_Att_30_Tpcr	10.53	16.29	18.05		18.26	0.005913	2.02	5.20	4.98	0.63
Vallebuia	4.99			Lat Struct									
Vallebuia	4.98			Lat Struct									
Vallebuia	4	Max WS	Val_Att_200_Tpcr	14.60	15.73	17.83		18.02	0.004532	1.96	7.46	6.66	0.59
Vallebuia	4	Max WS	Val_Att_100_Tpcr	13.87	15.73	17.79		17.98	0.004461	1.92	7.22	6.55	0.58
Vallebuia	4	Max WS	Val_Att_30_Tpcr	10.52	15.73	17.61		17.76	0.004052	1.73	6.08	6.01	0.55
Vallebuia	3	Max WS	Val_Att_200_Tpcr	14.21	15.18	17.30		17.49	0.004213	1.94	7.59	8.70	0.57
Vallebuia	3	Max WS	Val_Att_100_Tpcr	13.57	15.18	17.29		17.47	0.003951	1.87	7.50	8.68	0.55
Vallebuia	3	Max WS	Val_Att_30_Tpcr	10.49	15.18	17.23		17.35	0.002743	1.52	7.03	8.61	0.45
Vallebuia	2	Max WS	Val_Att_200_Tpcr	7.31	15.04	17.20		17.28	0.001821	1.22	5.99	4.18	0.33
Vallebuia	2	Max WS	Val_Att_100_Tpcr	7.30	15.04	17.18		17.26	0.001897	1.24	5.90	4.18	0.33
Vallebuia	2	Max WS	Val_Att_30_Tpcr	7.09	15.04	17.07		17.16	0.002243	1.30	5.43	4.18	0.37
Vallebuia	1.95	Max WS	Val_Att_200_Tpcr	7.31	15.04	17.02	16.33	17.21	0.003440	1.93	3.79	4.18	0.65
Vallebuia	1.95	Max WS	Val_Att_100_Tpcr	7.30	15.04	17.01	16.33	17.20	0.003478	1.93	3.77	4.18	0.65

HEC-RAS River: Rio_Vallebuia Reach: Vallebuia Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Vallebuia	1.95	Max WS	Val_Att_30_Tpcr	7.09	15.04	16.94	16.31	17.15	0.004147	2.03	3.48	4.18	0.71
Vallebuia	1.9			Bridge									
Vallebuia	1.85	Max WS	Val_Att_200_Tpcr	7.31	15.04	16.44		16.91	0.004792	3.04	2.40	3.39	0.87
Vallebuia	1.85	Max WS	Val_Att_100_Tpcr	7.30	15.04	16.44		16.91	0.004789	3.04	2.40	3.39	0.87
Vallebuia	1.85	Max WS	Val_Att_30_Tpcr	7.09	15.04	16.43		16.88	0.004715	2.99	2.37	3.36	0.86
Vallebuia	1.8	Max WS	Val_Att_200_Tpcr	7.31	15.04	16.64		16.84	0.006939	1.99	3.67	3.75	0.64
Vallebuia	1.8	Max WS	Val_Att_100_Tpcr	7.30	15.04	16.63		16.84	0.006935	1.99	3.66	3.75	0.64
Vallebuia	1.8	Max WS	Val_Att_30_Tpcr	7.09	15.04	16.61		16.81	0.006878	1.97	3.59	3.71	0.64
Vallebuia	1	Max WS	Val_Att_200_Tpcr	7.31	14.93	16.60	16.18	16.73	0.004011	1.59	4.59	4.96	0.53
Vallebuia	1	Max WS	Val_Att_100_Tpcr	7.30	14.93	16.60	16.18	16.73	0.004014	1.59	4.59	4.96	0.53
Vallebuia	1	Max WS	Val_Att_30_Tpcr	7.09	14.93	16.58	16.17	16.70	0.004011	1.58	4.49	4.91	0.53

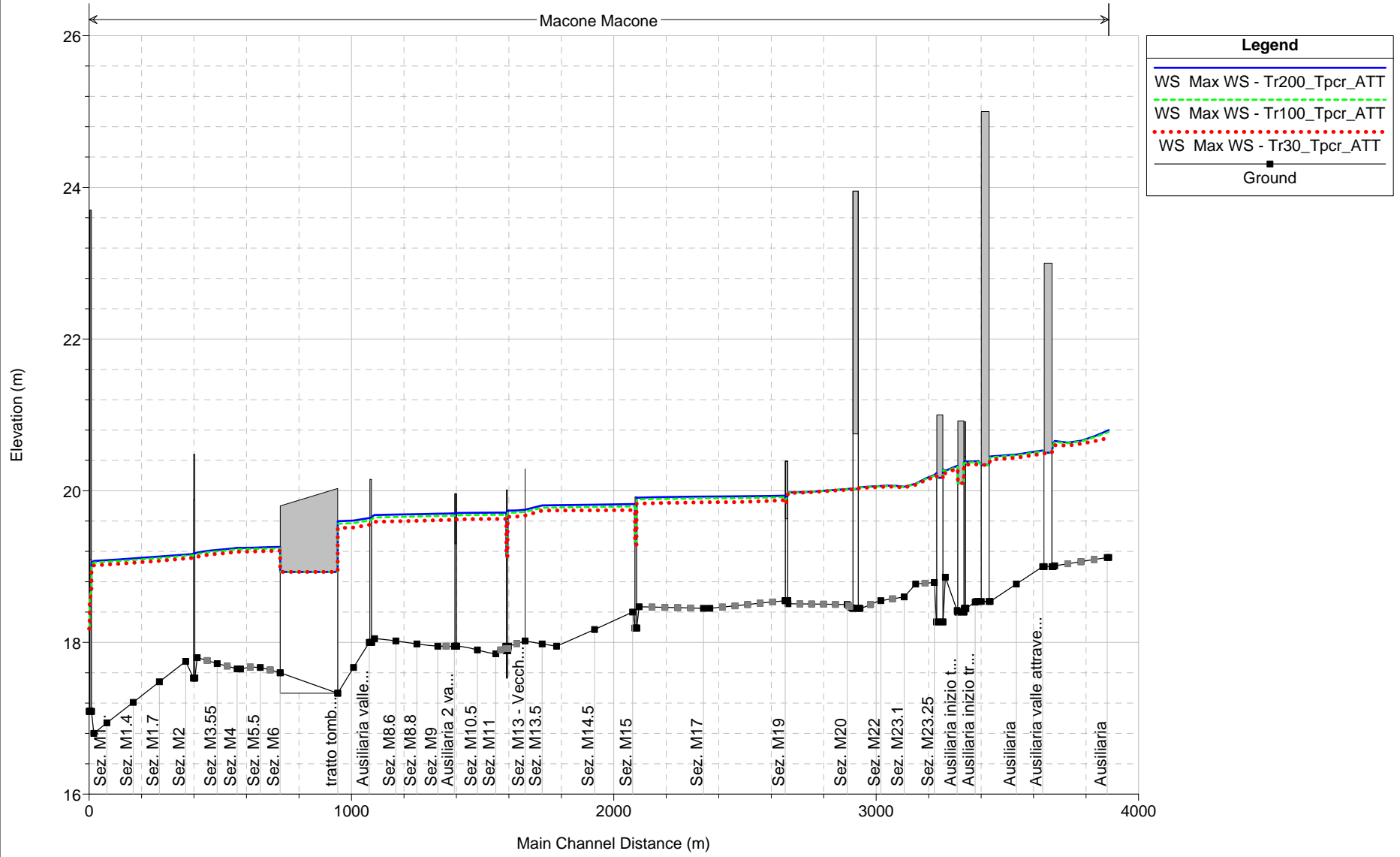
Scenario A3

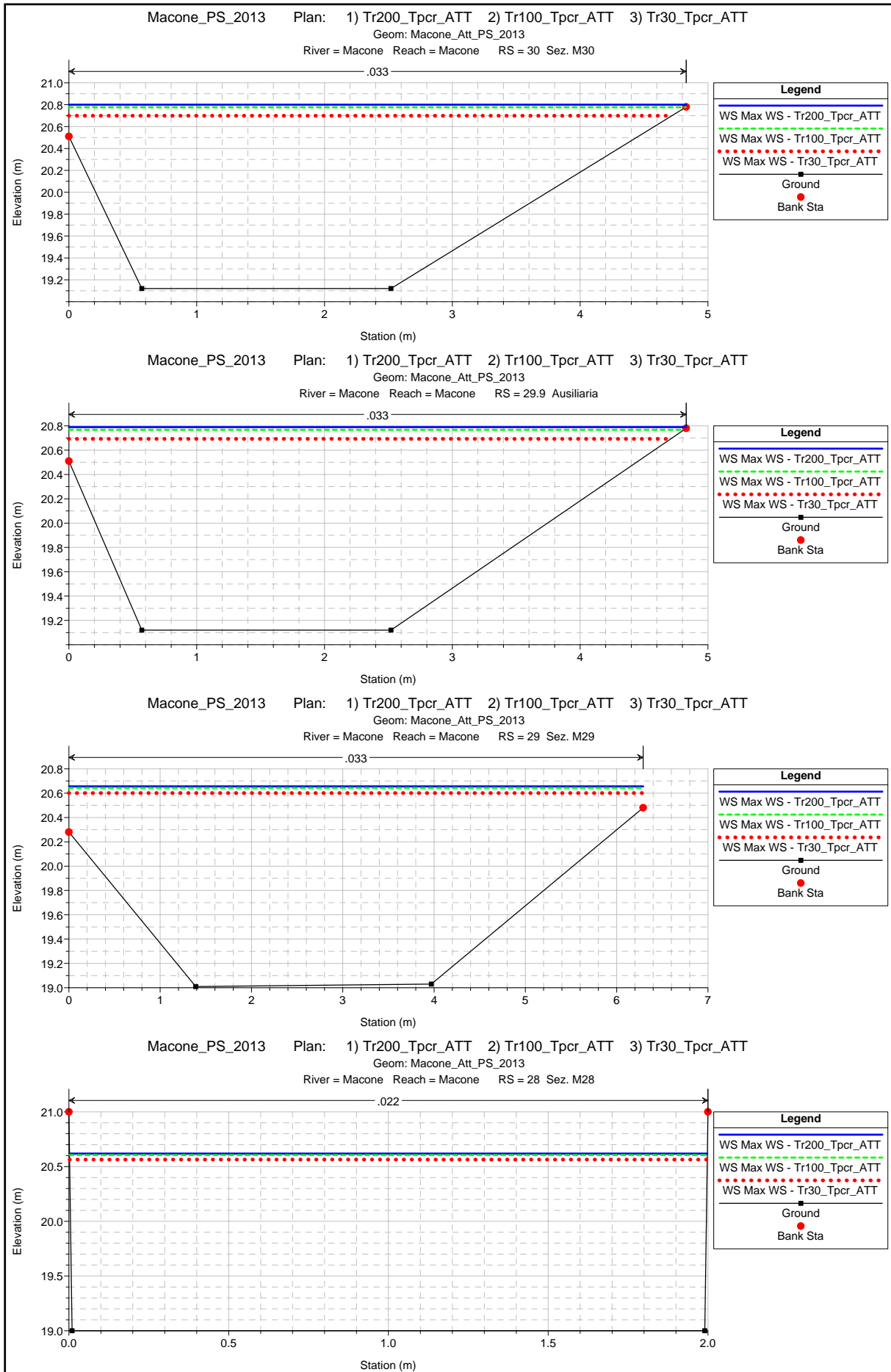
Tr 200, 100 e 30 anni

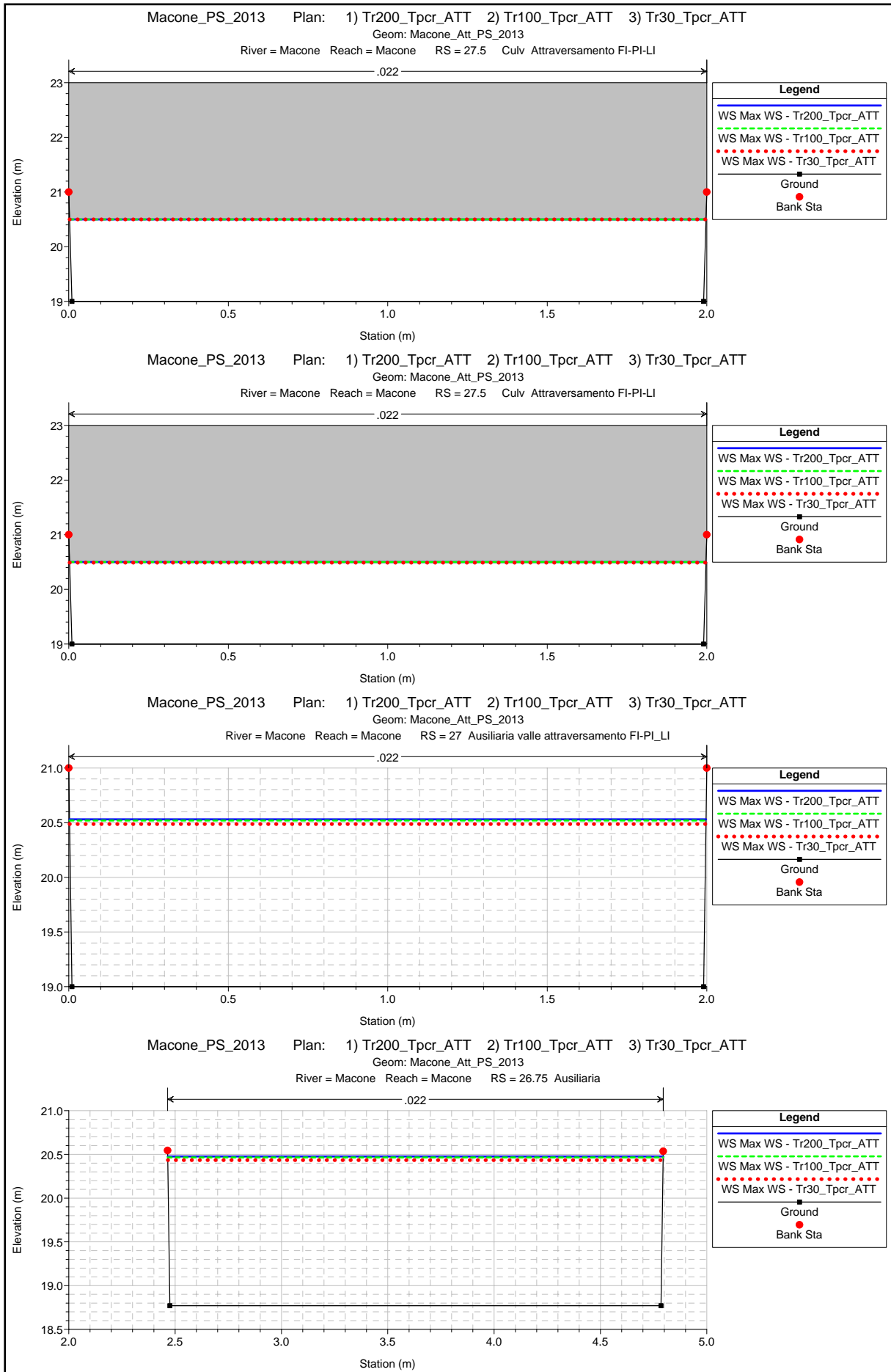
RIO MACONE

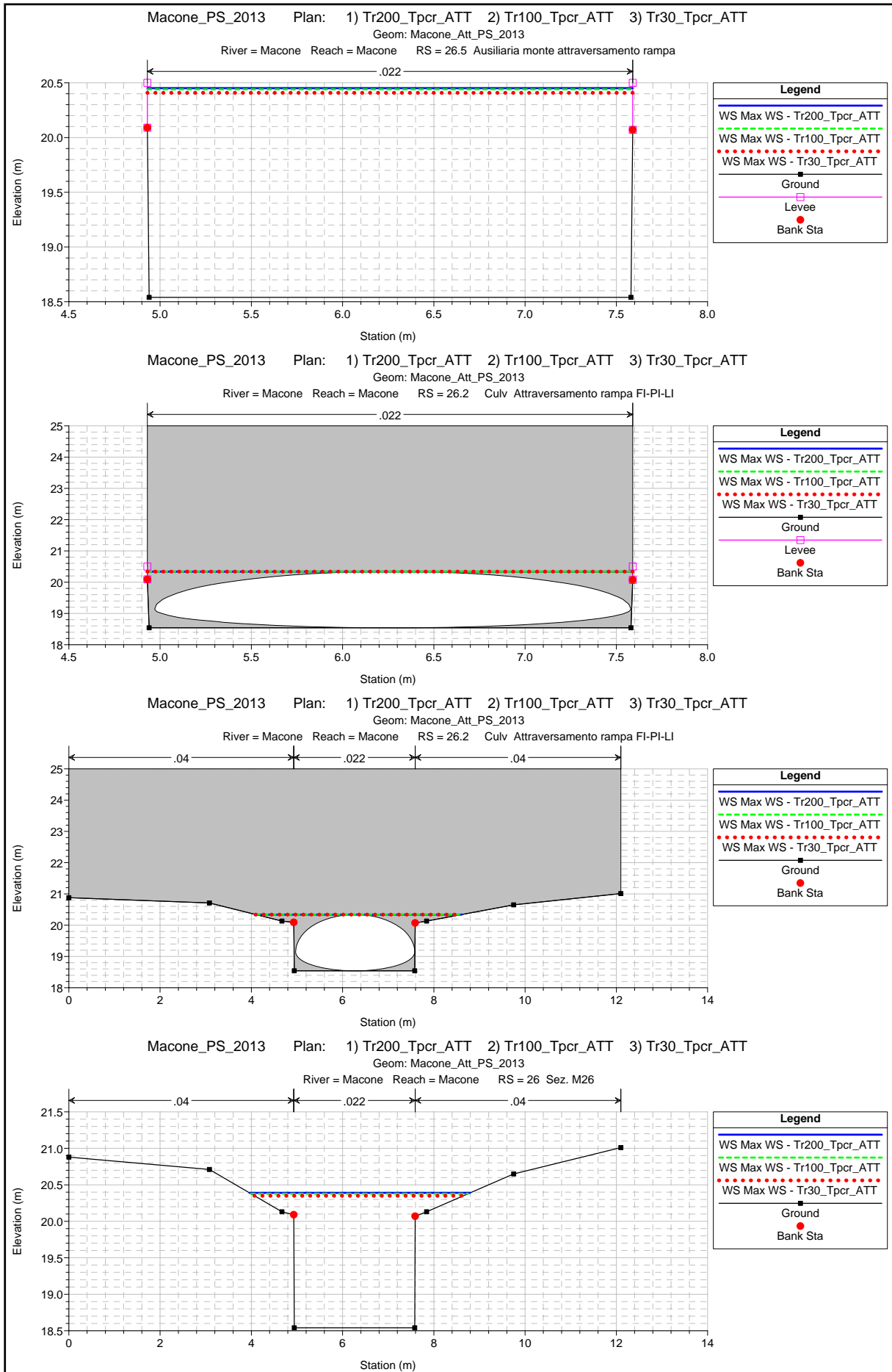
- **Profili**
- **Sezioni**
- **Tabelle di Output**

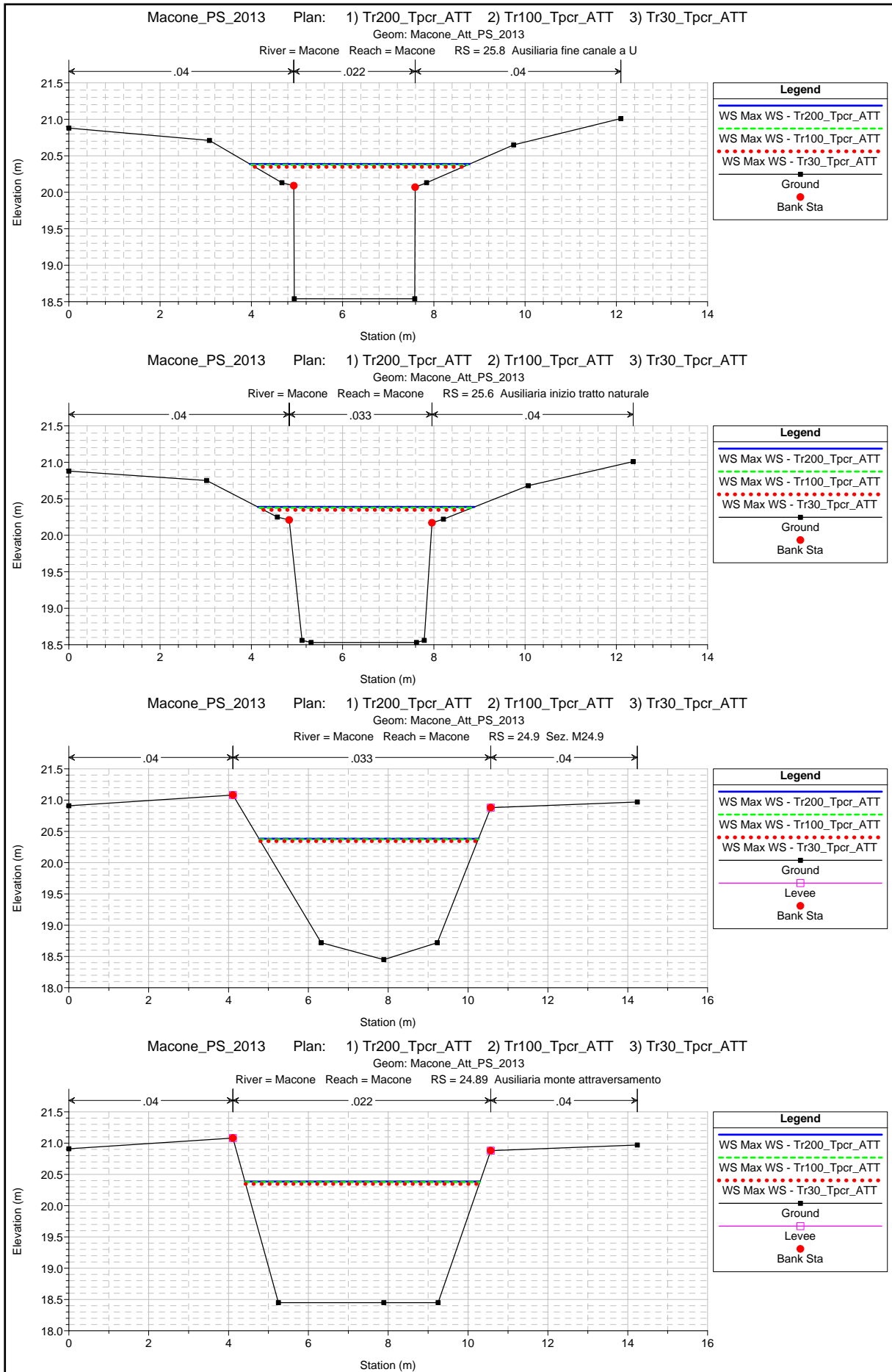
Macone_PS_2013 Plan: 1) Tr200_Tpcr_ATT 2) Tr100_Tpcr_ATT 3) Tr30_Tpcr_ATT
 Geom: Macone_Att_PS_2013

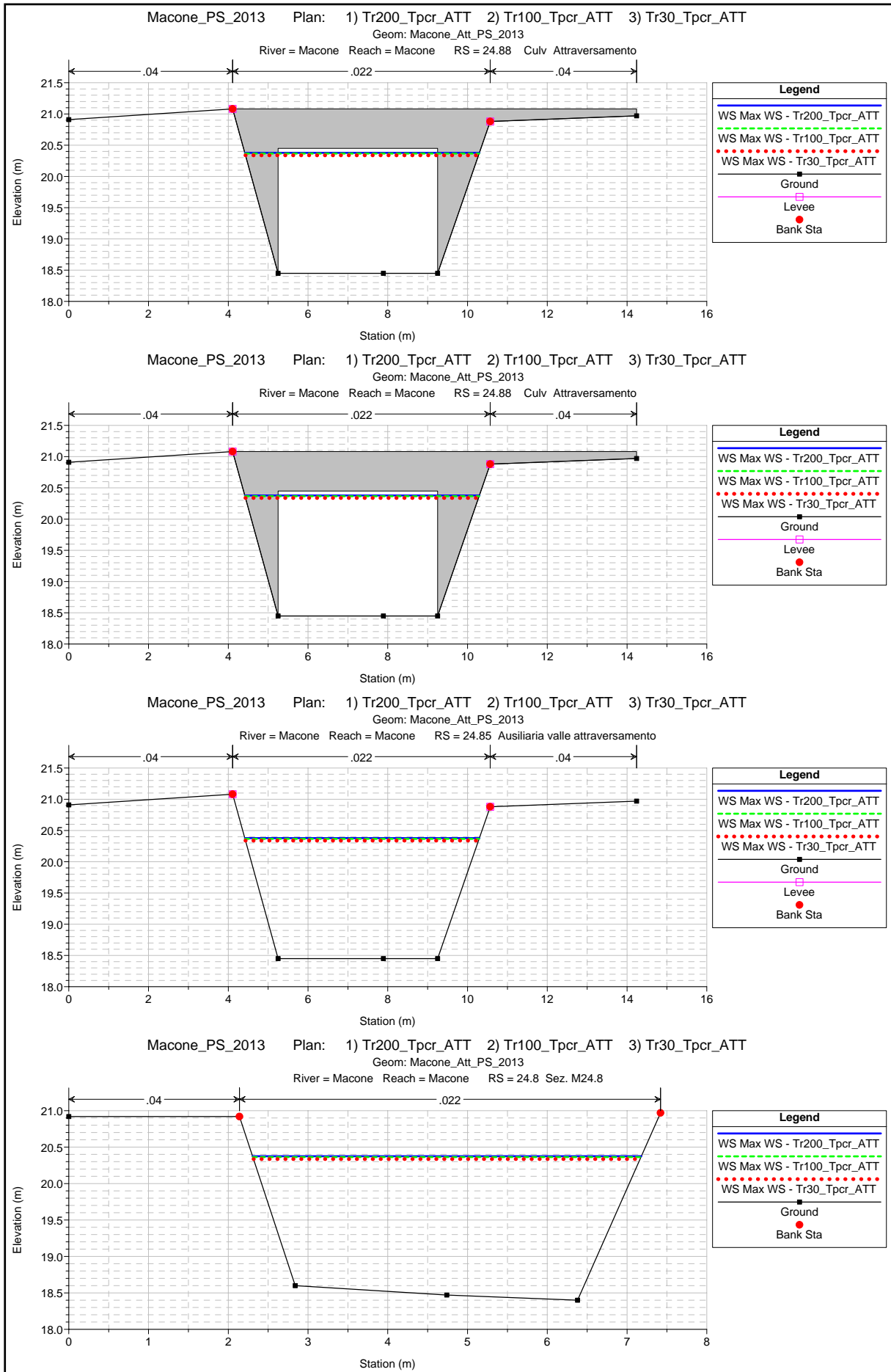


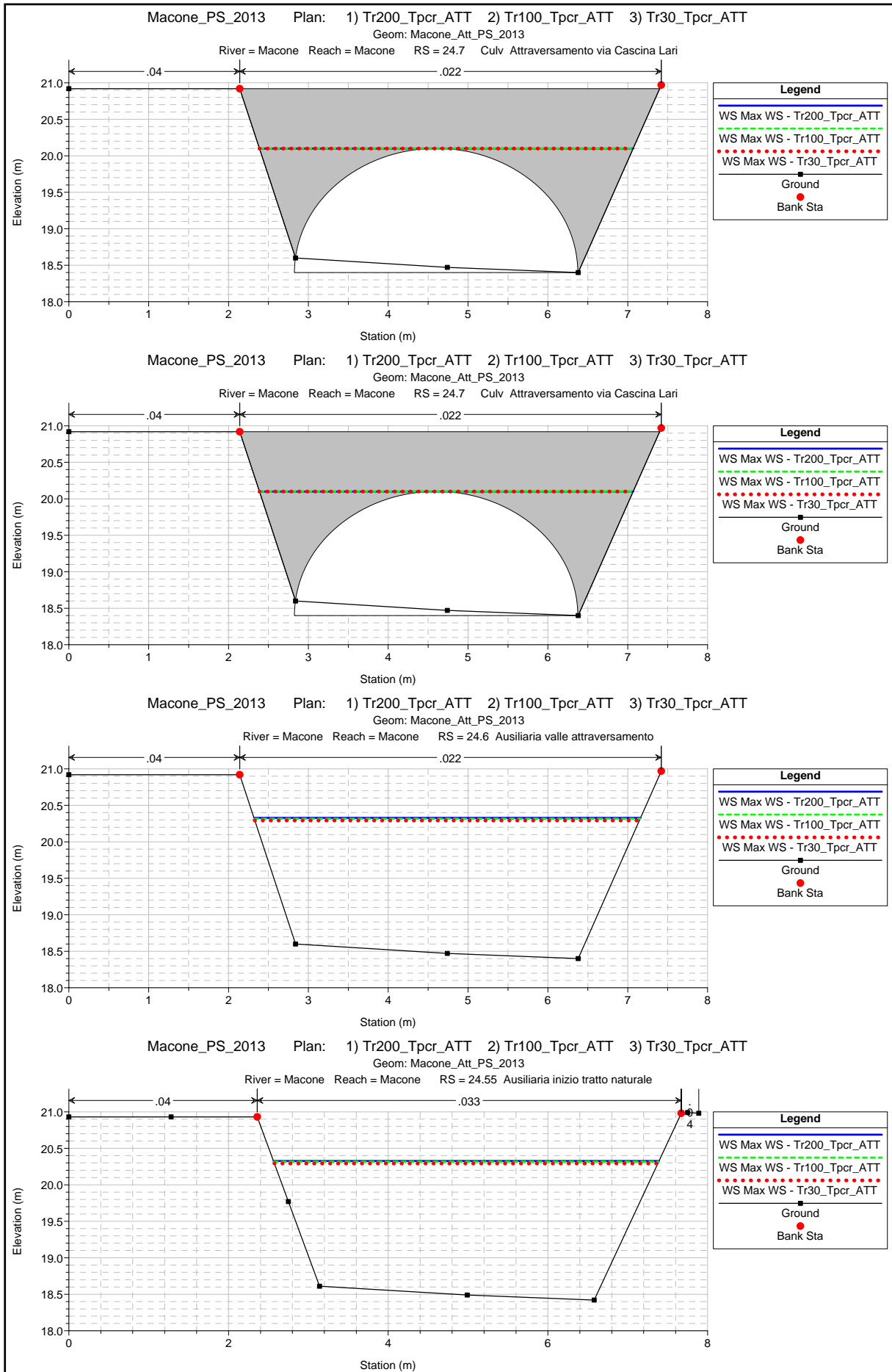


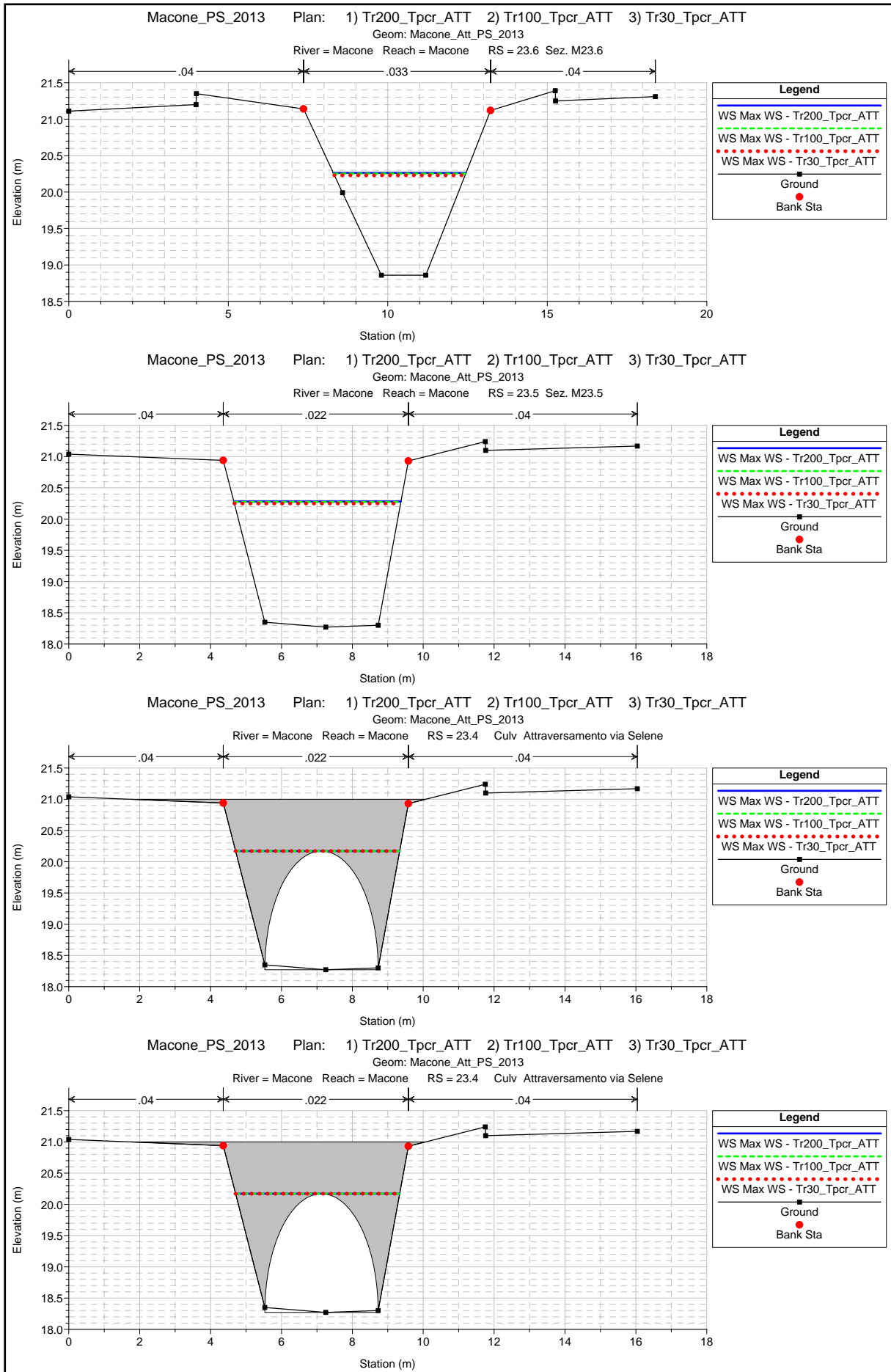


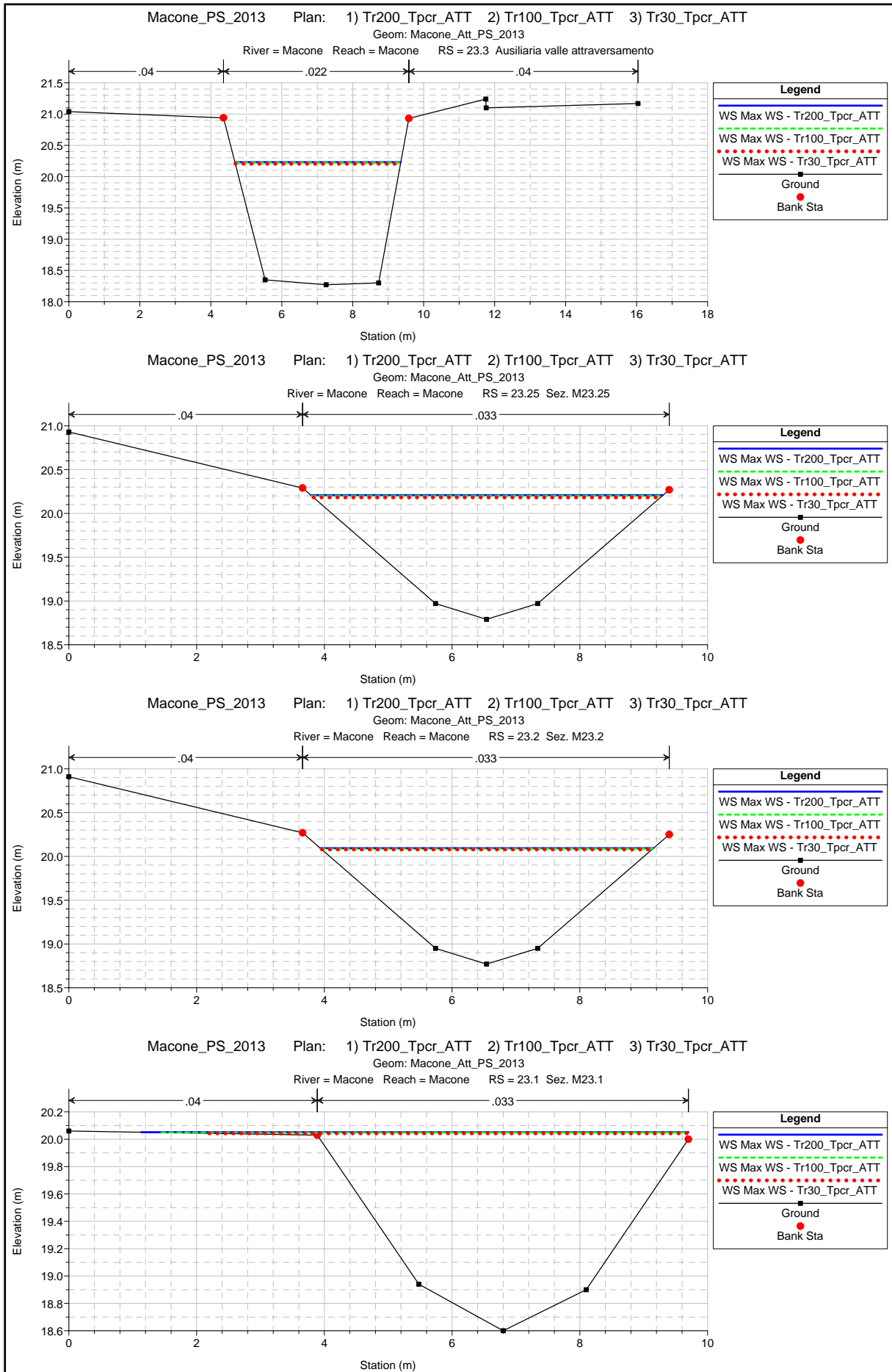


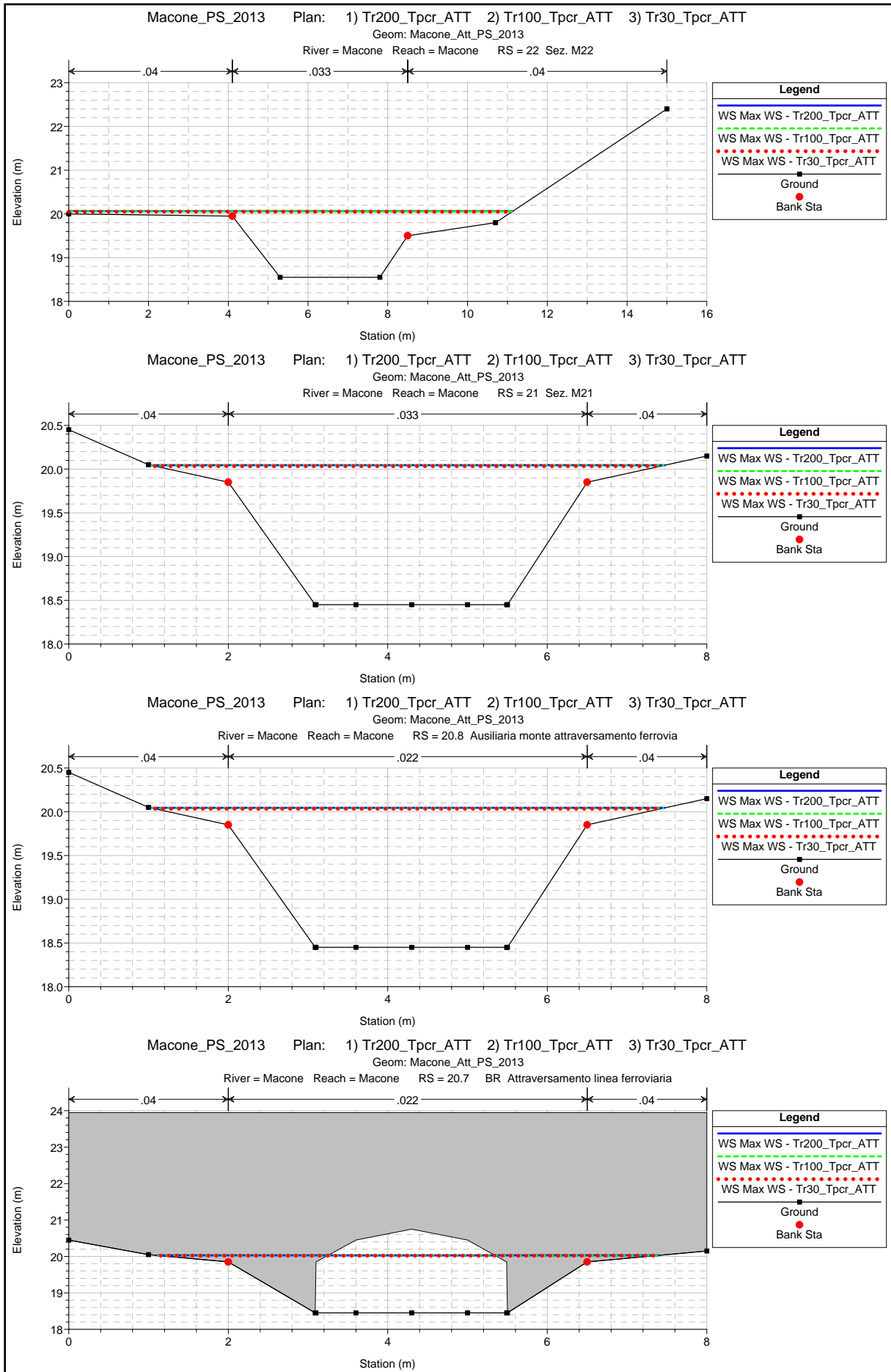


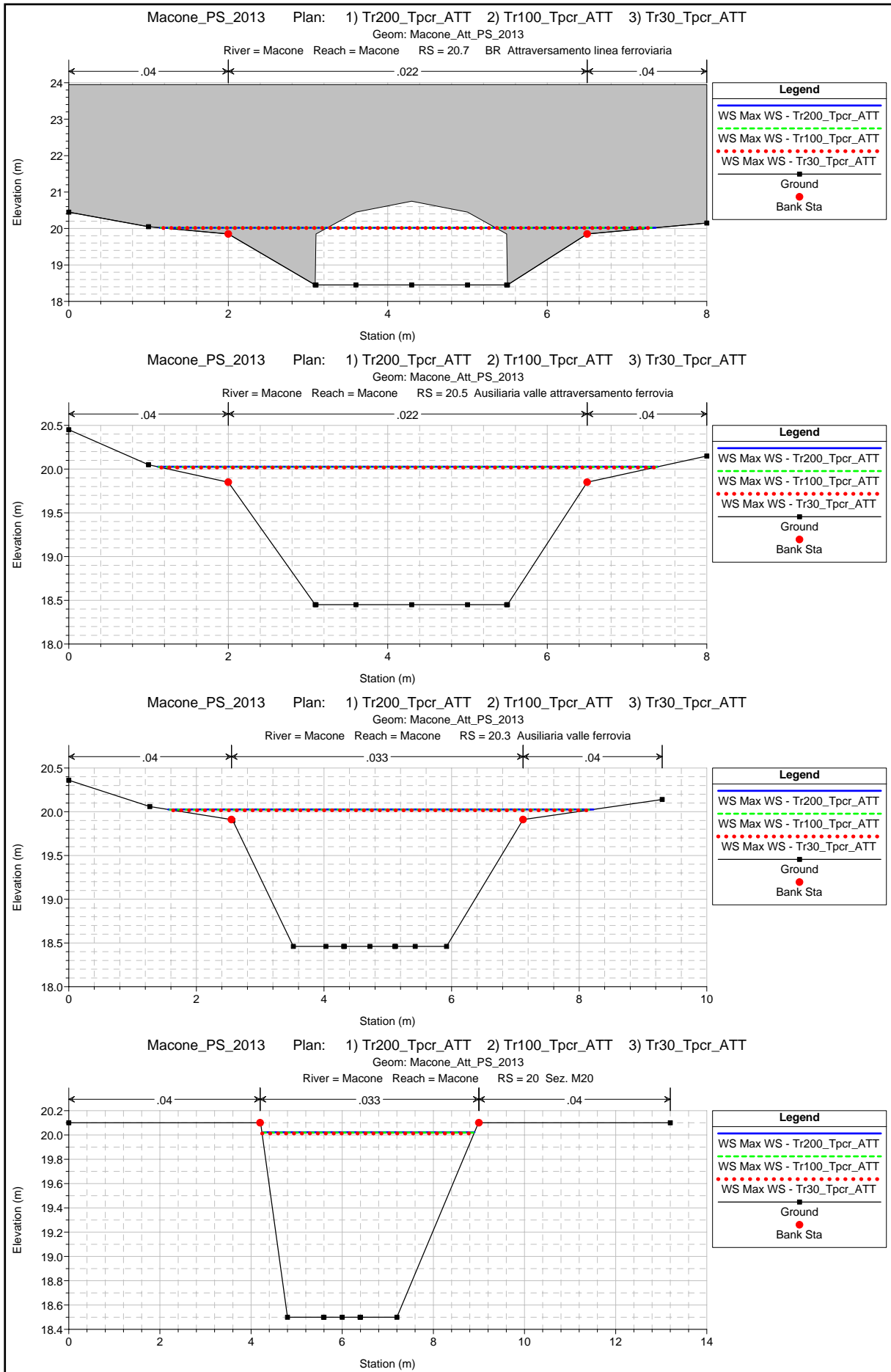


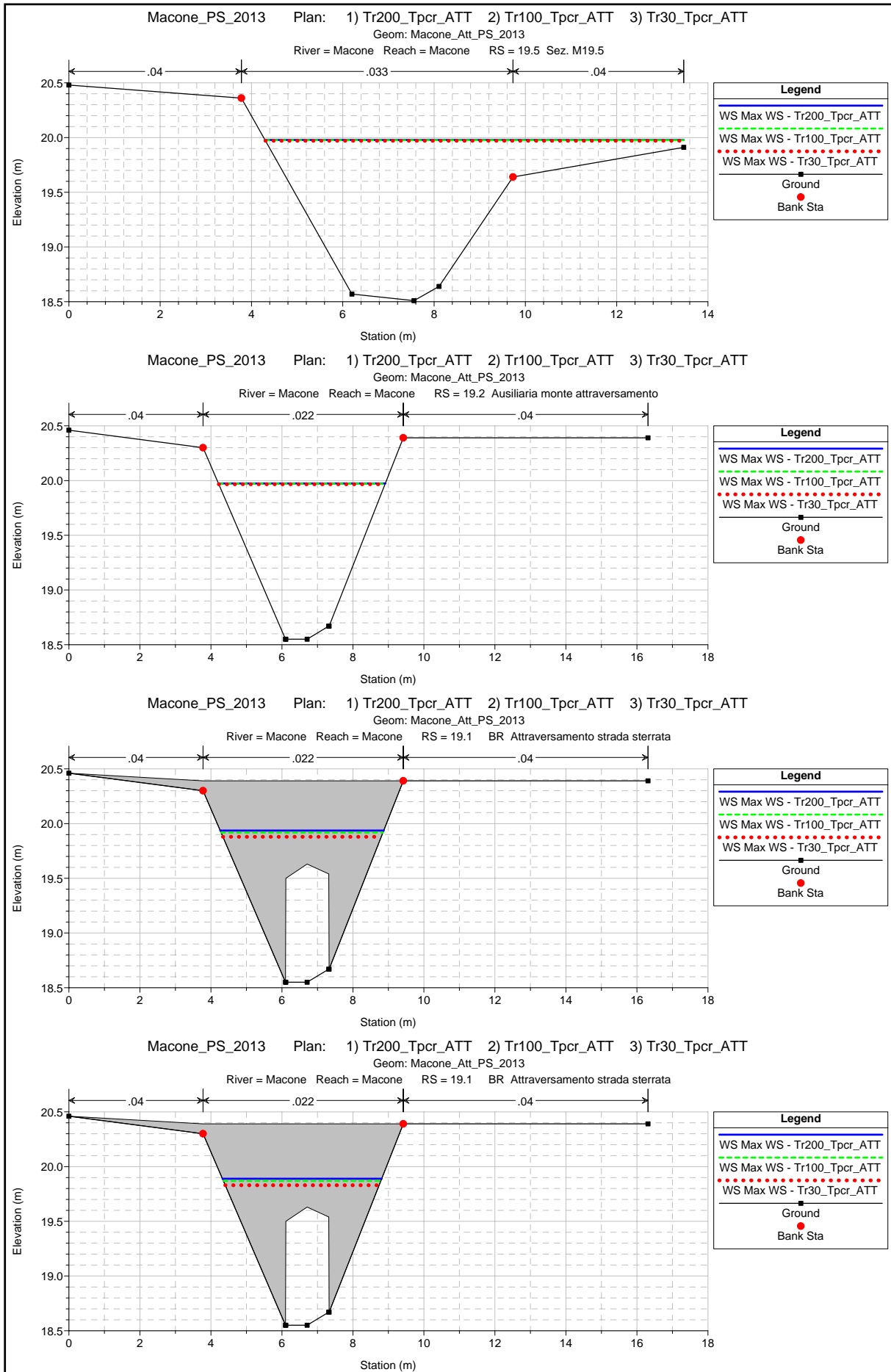


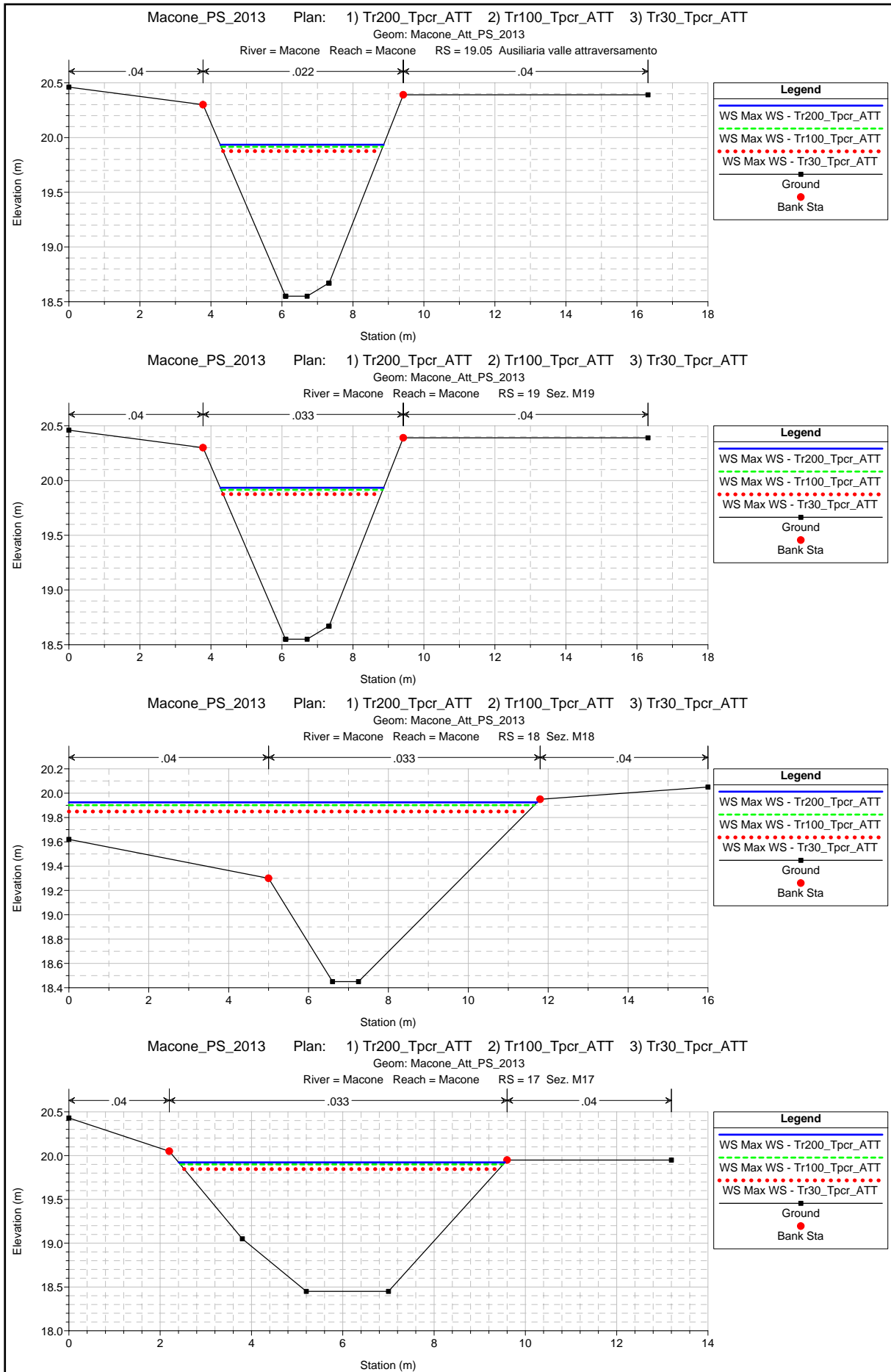


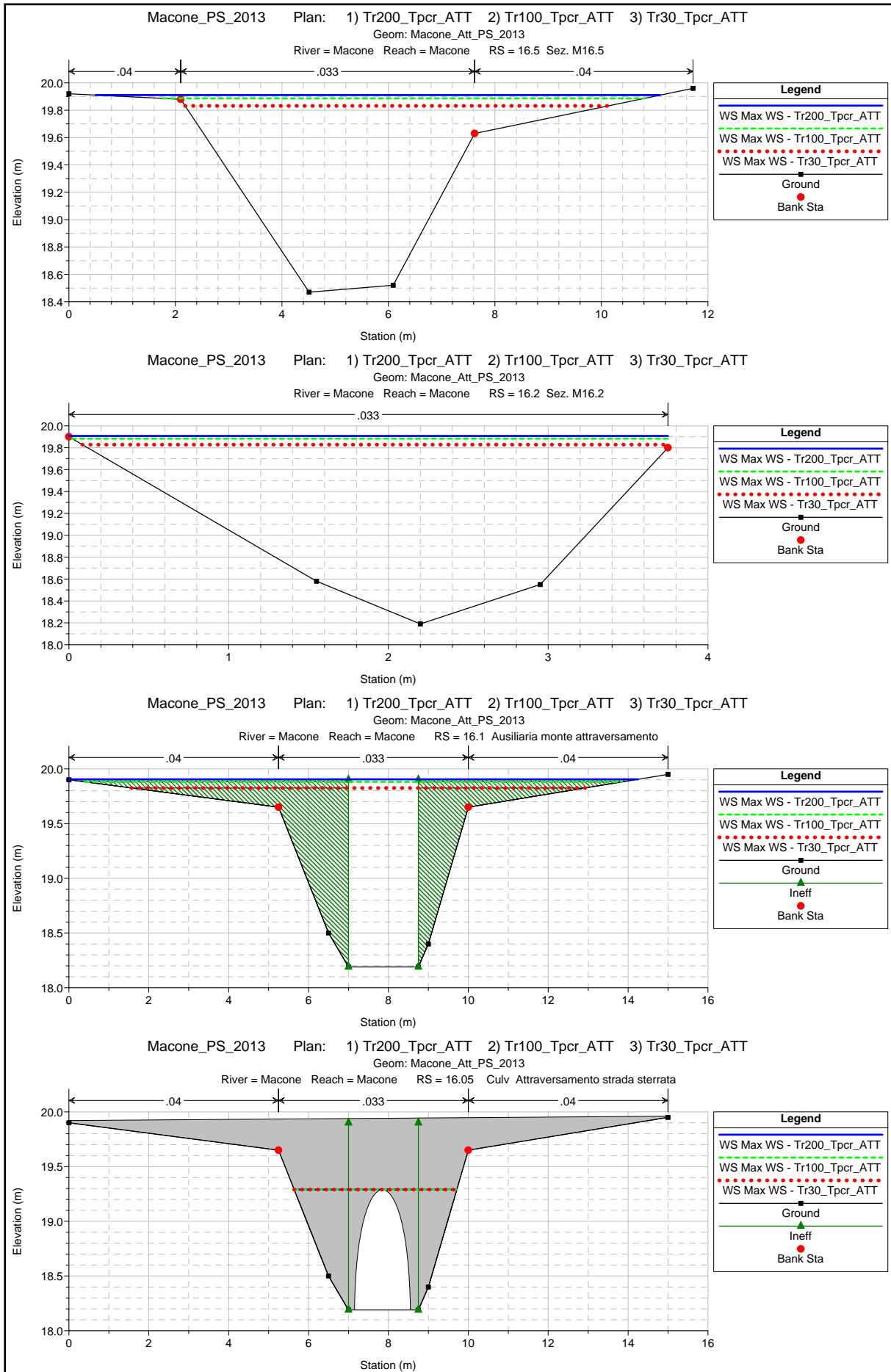


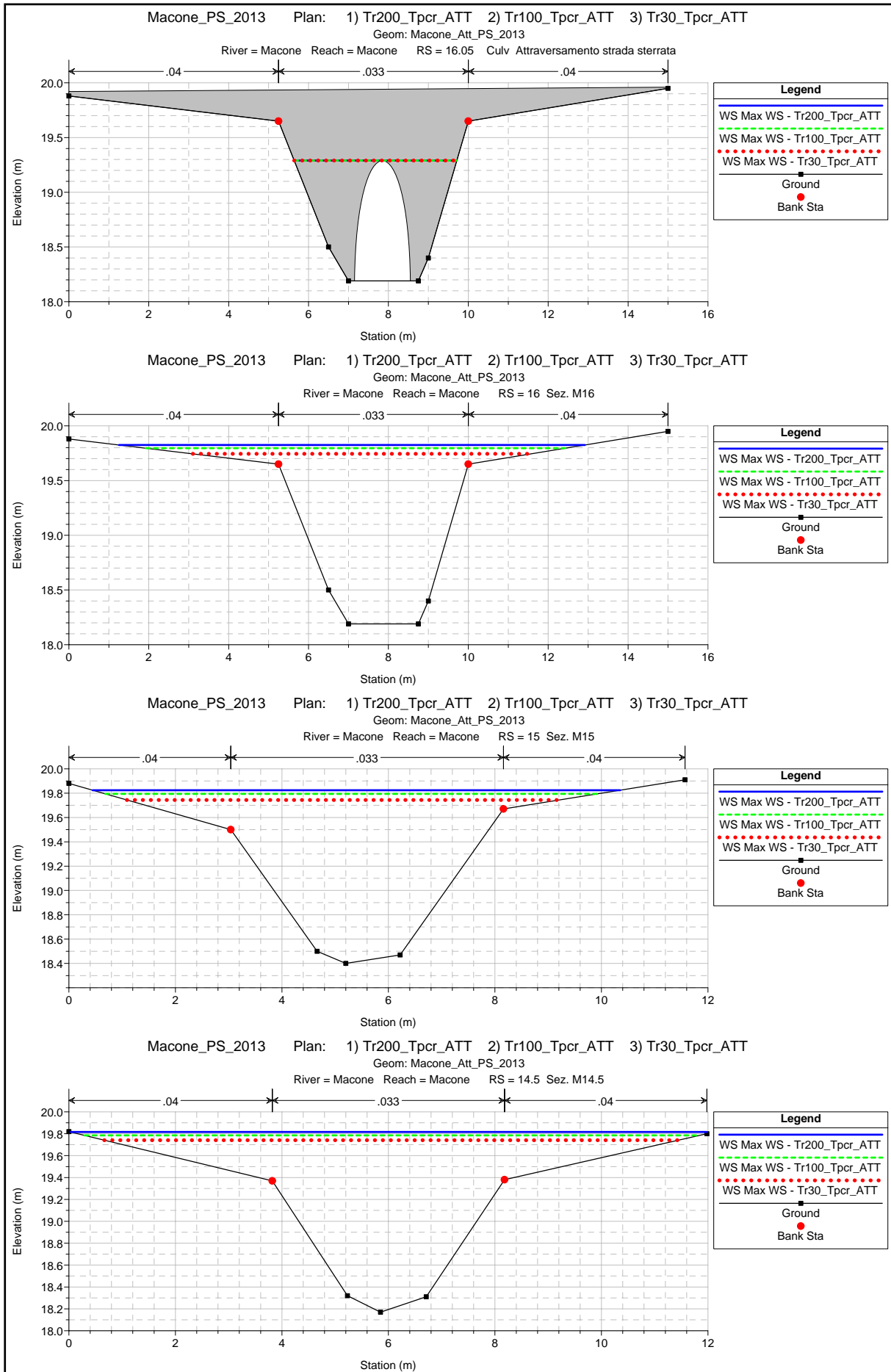


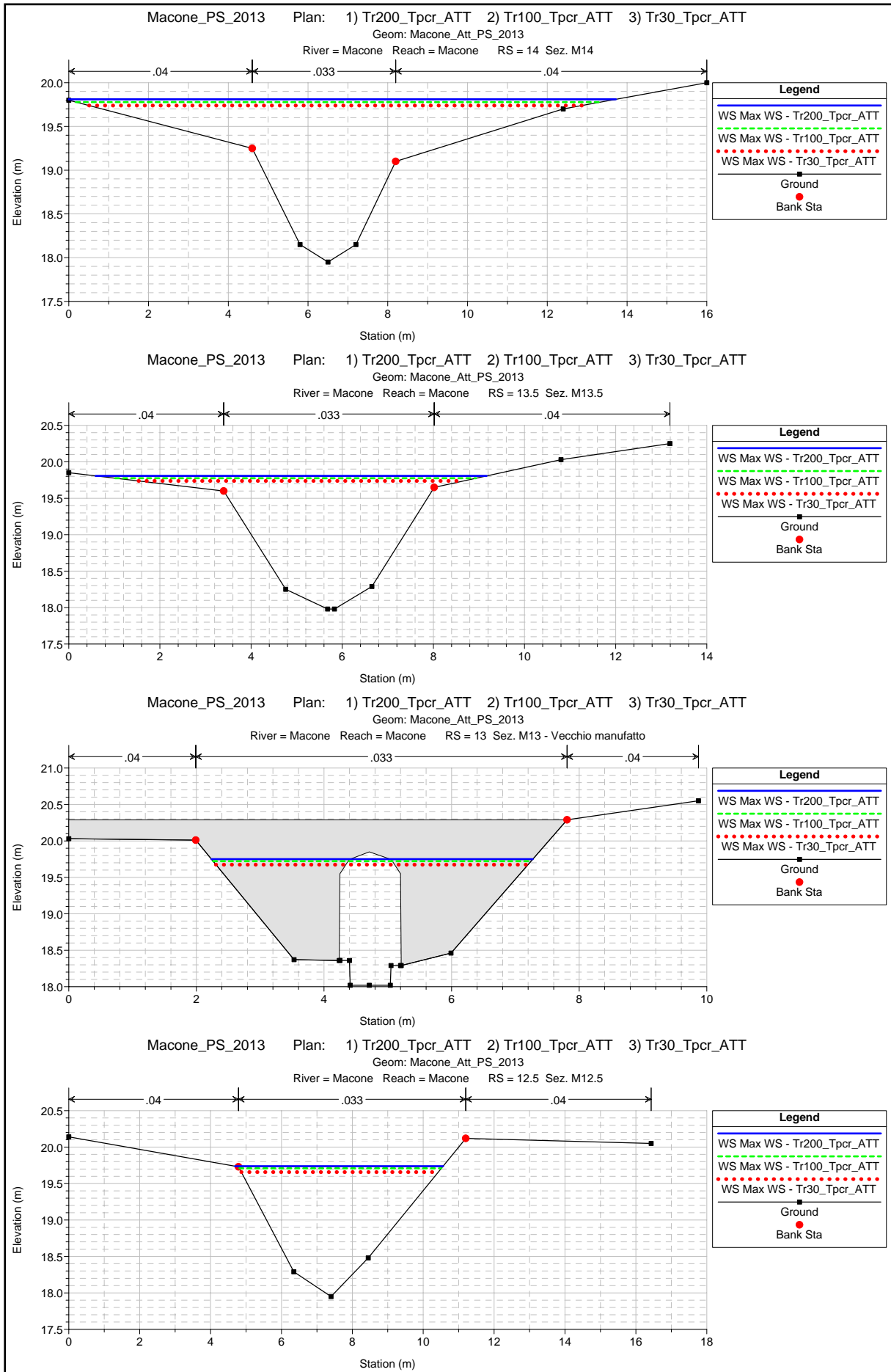


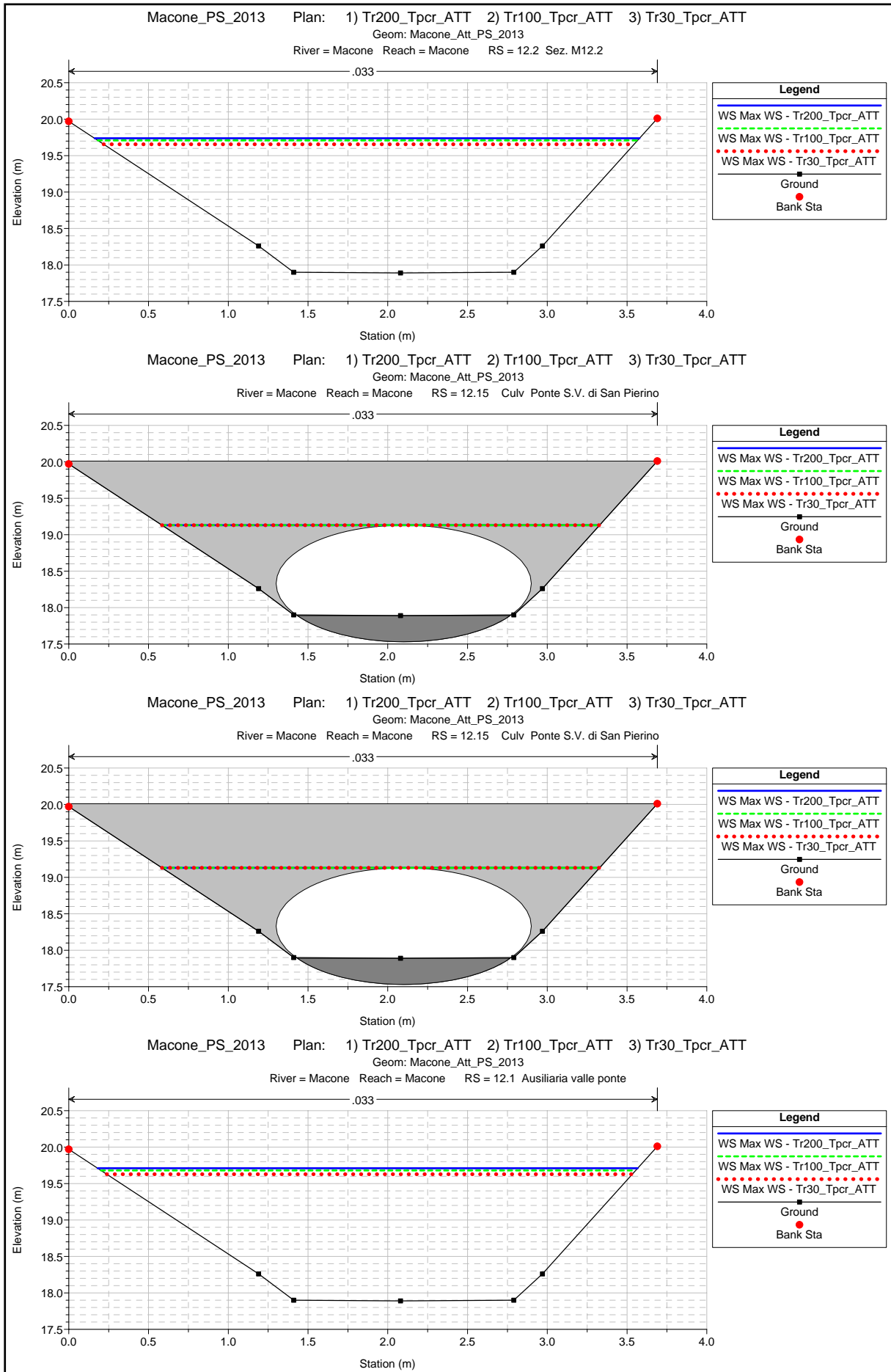


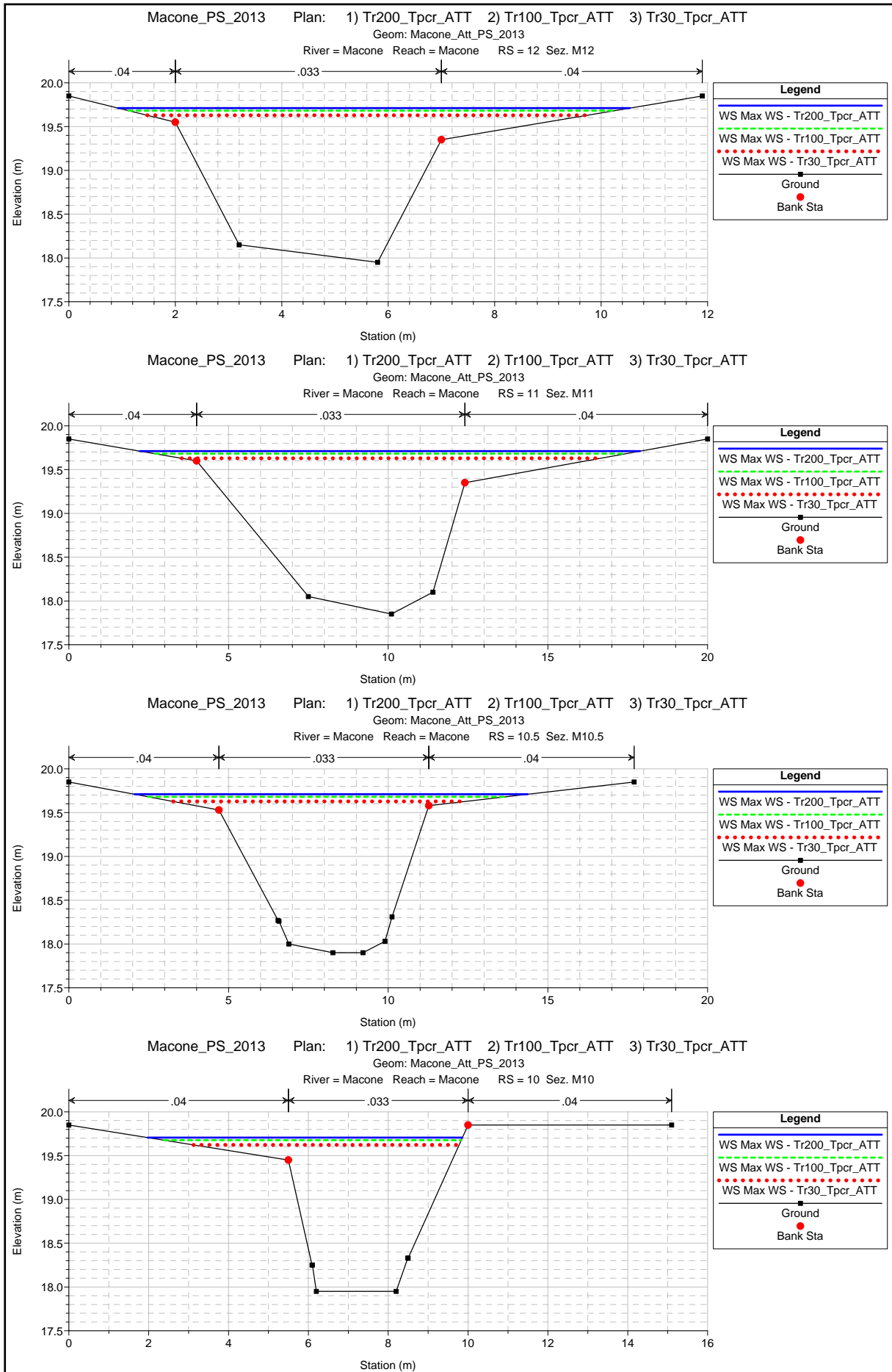


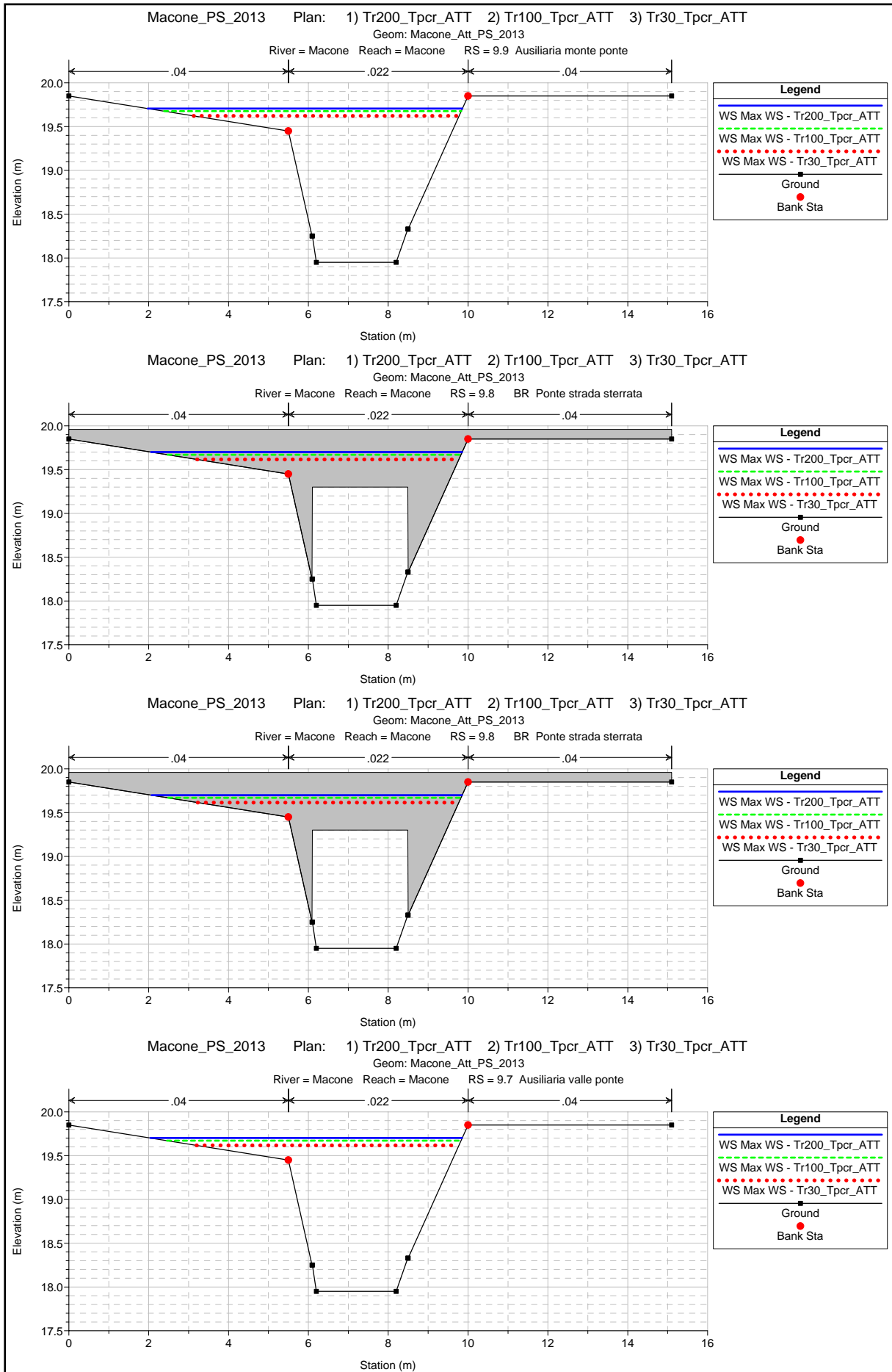


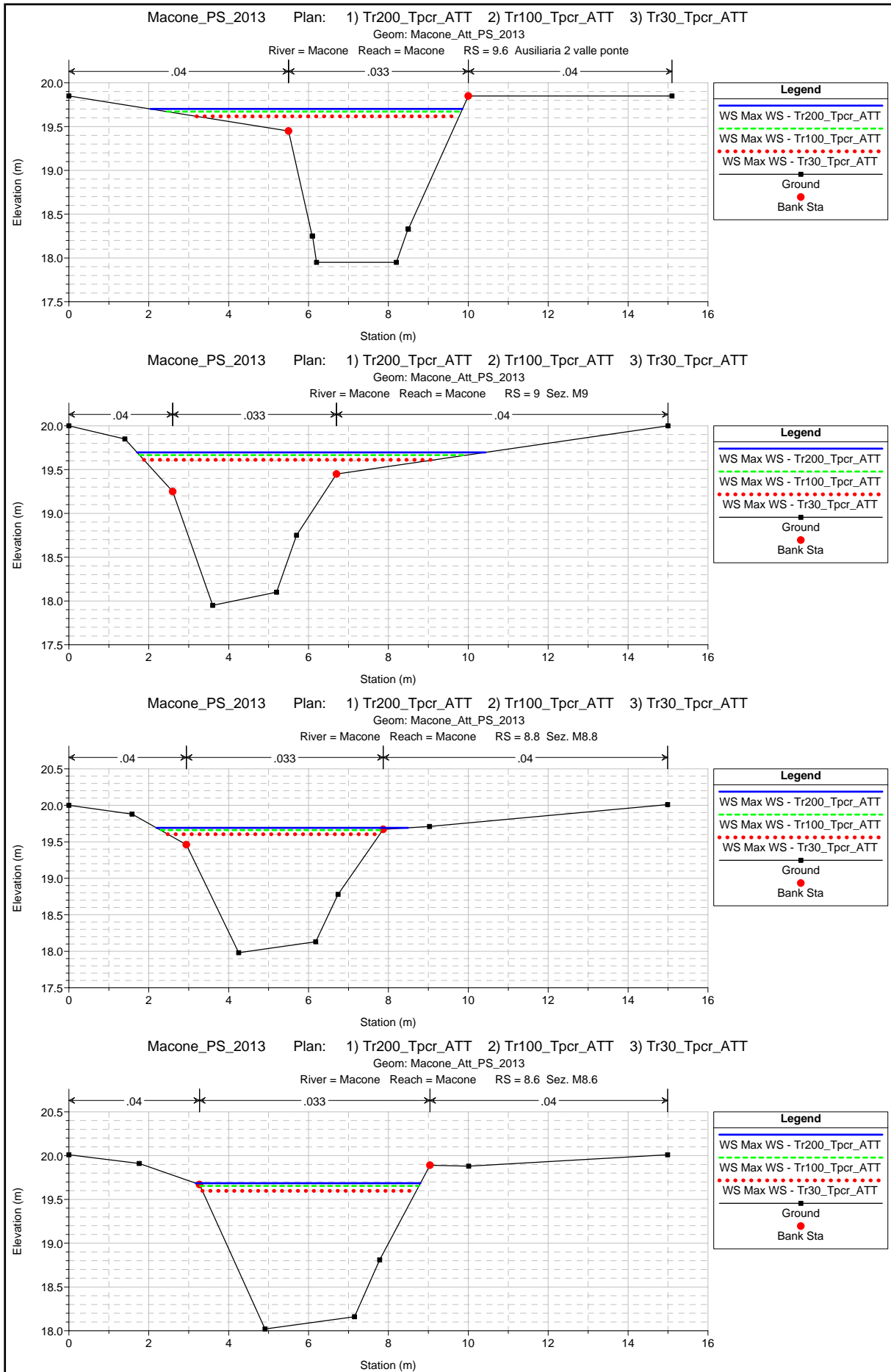


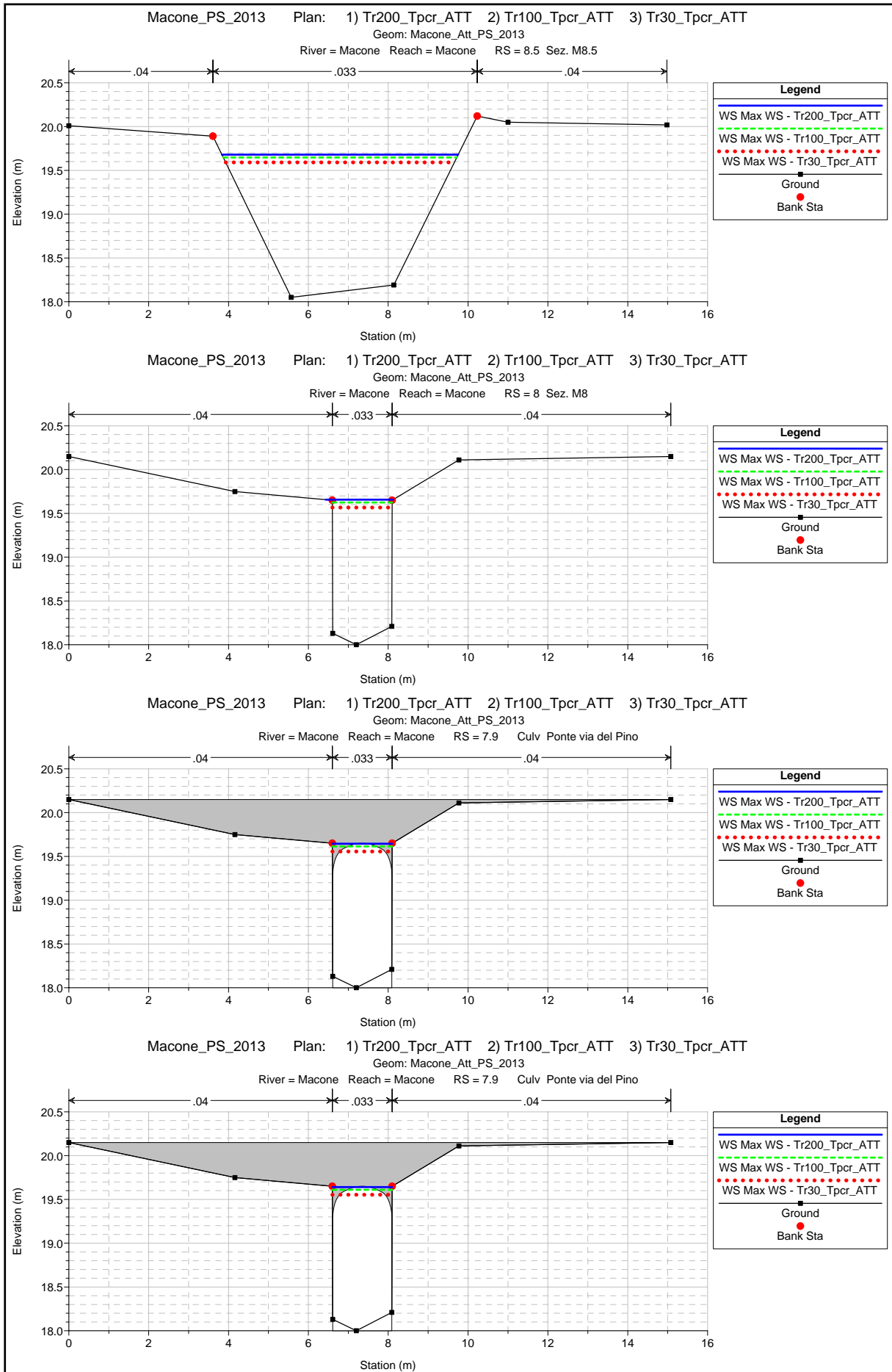


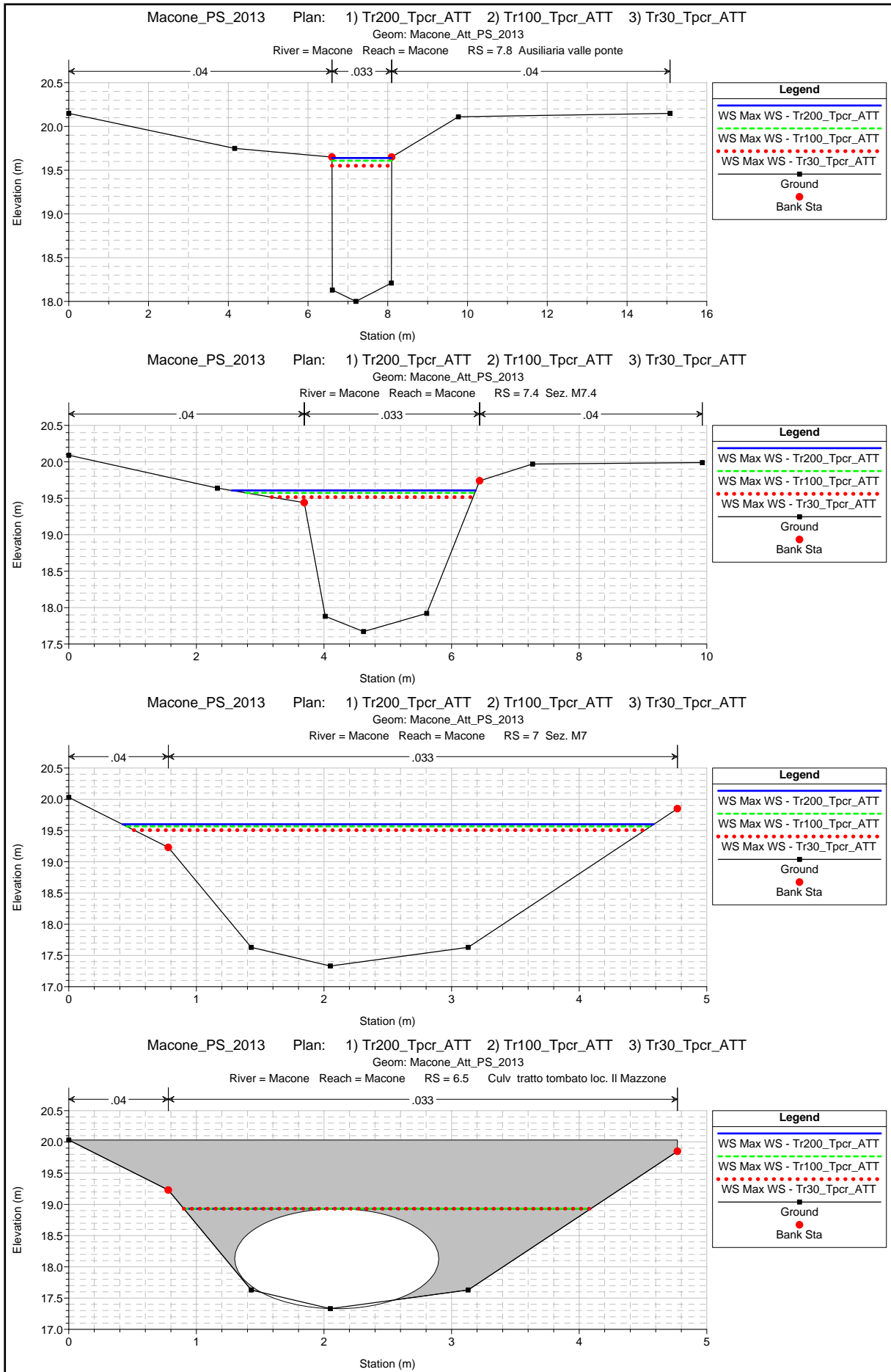


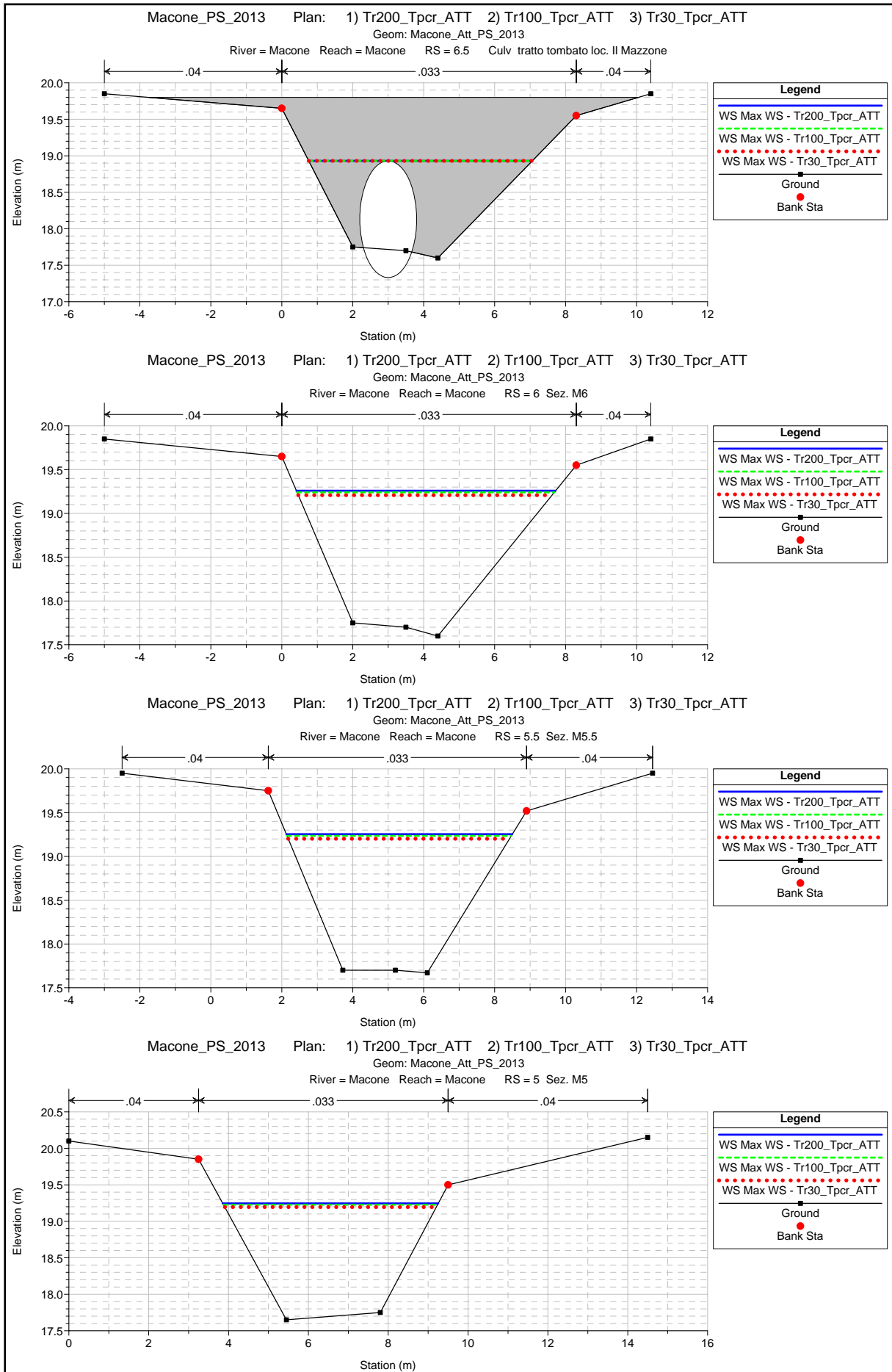


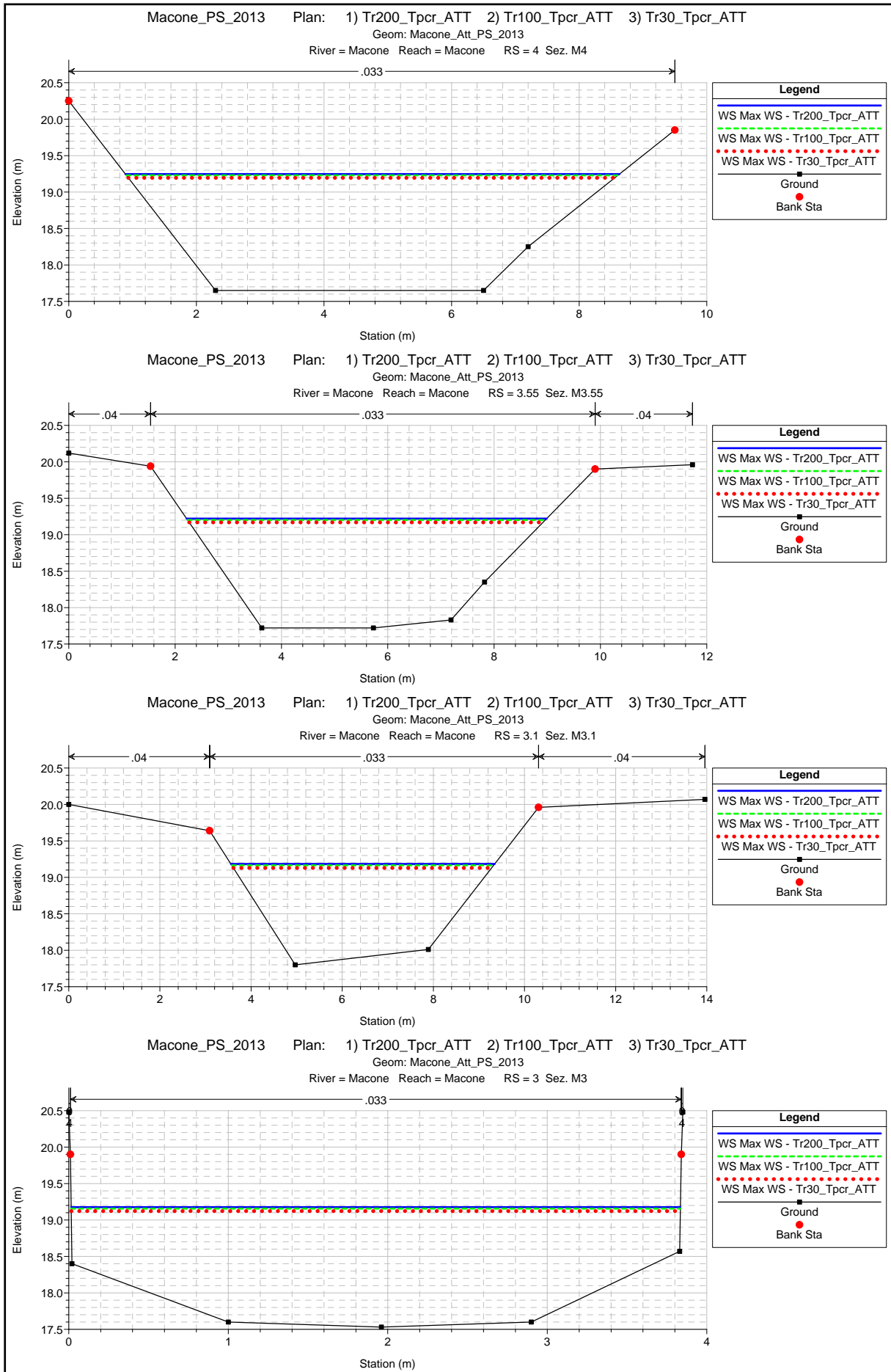


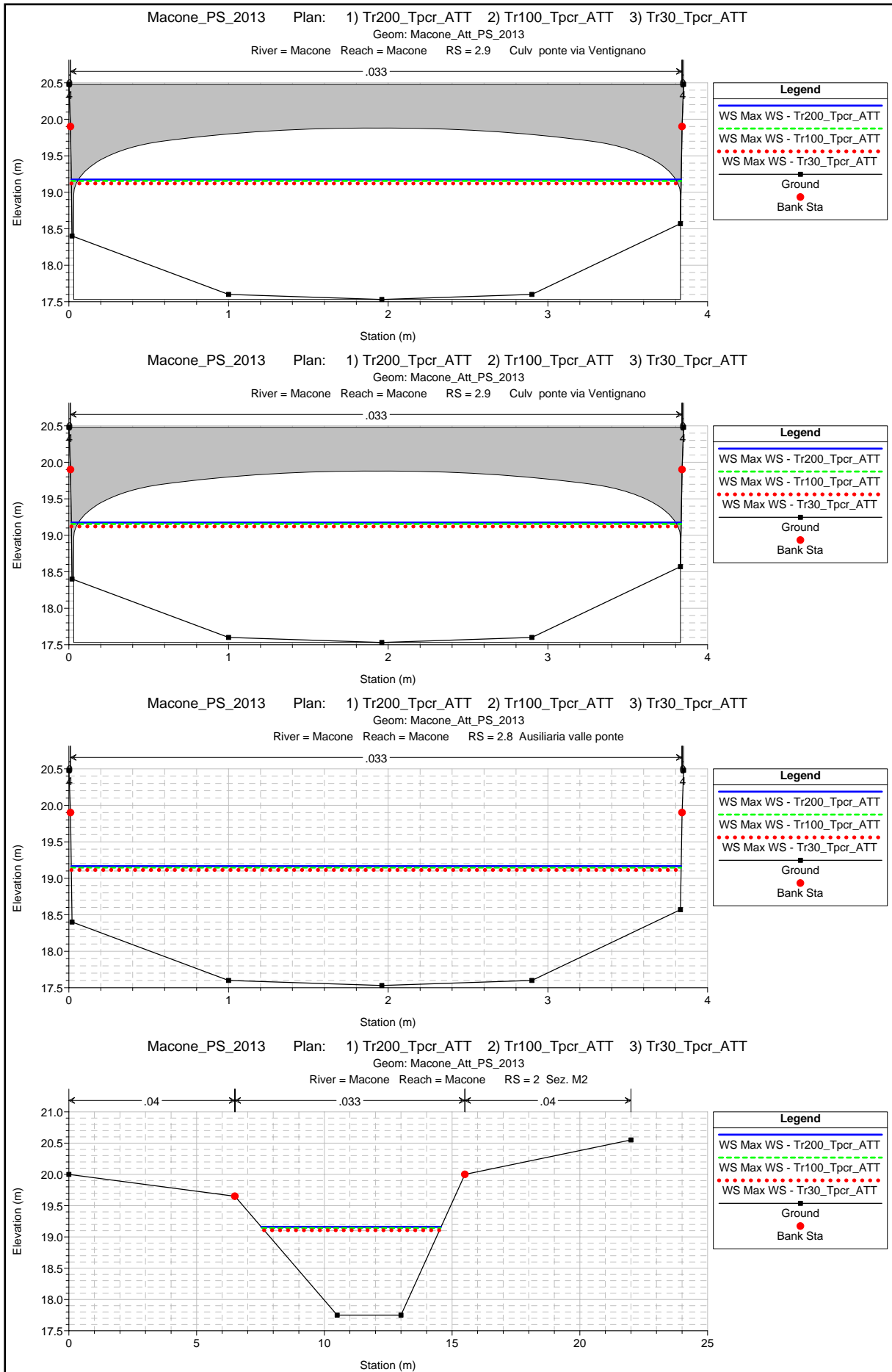


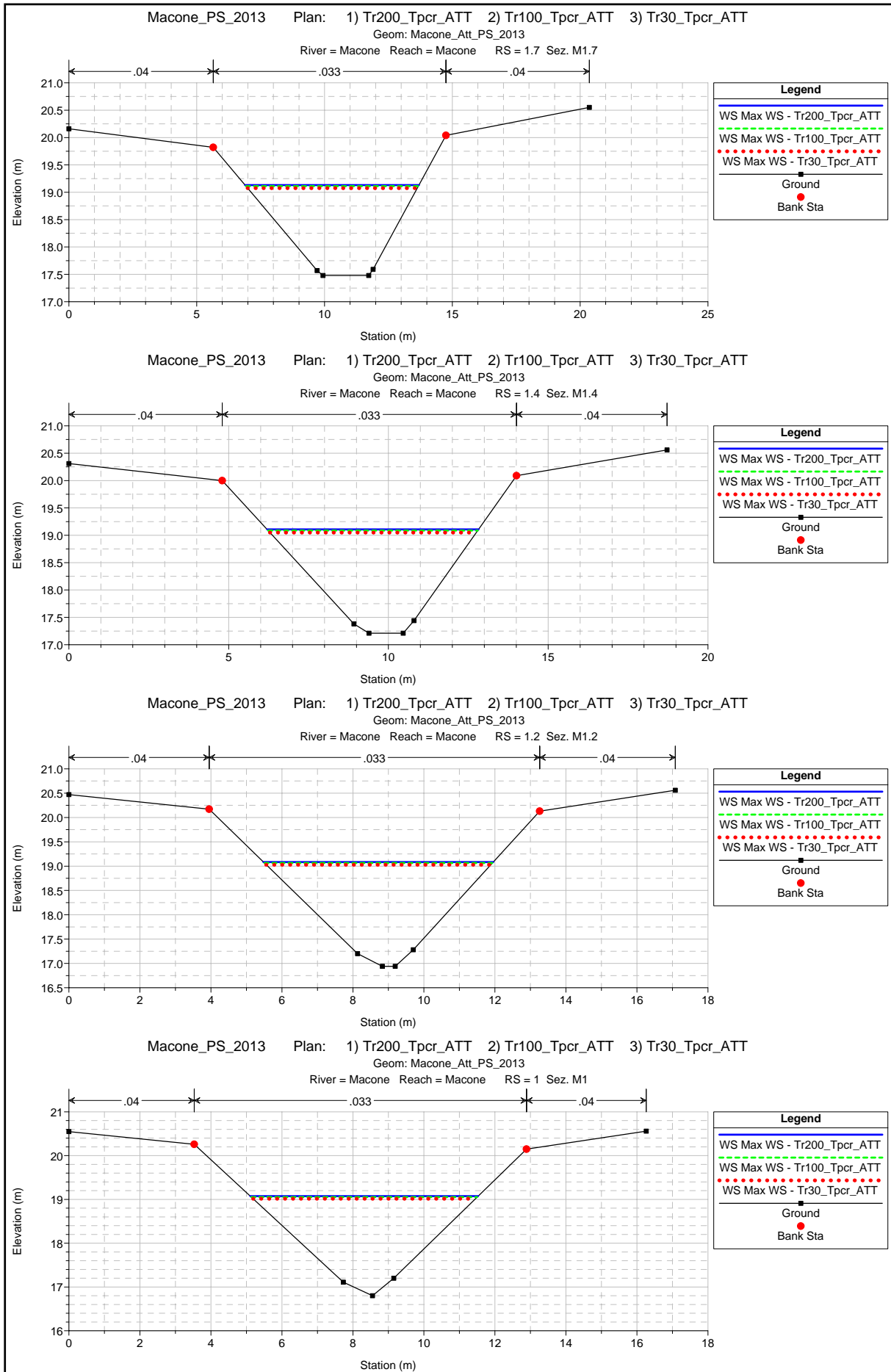


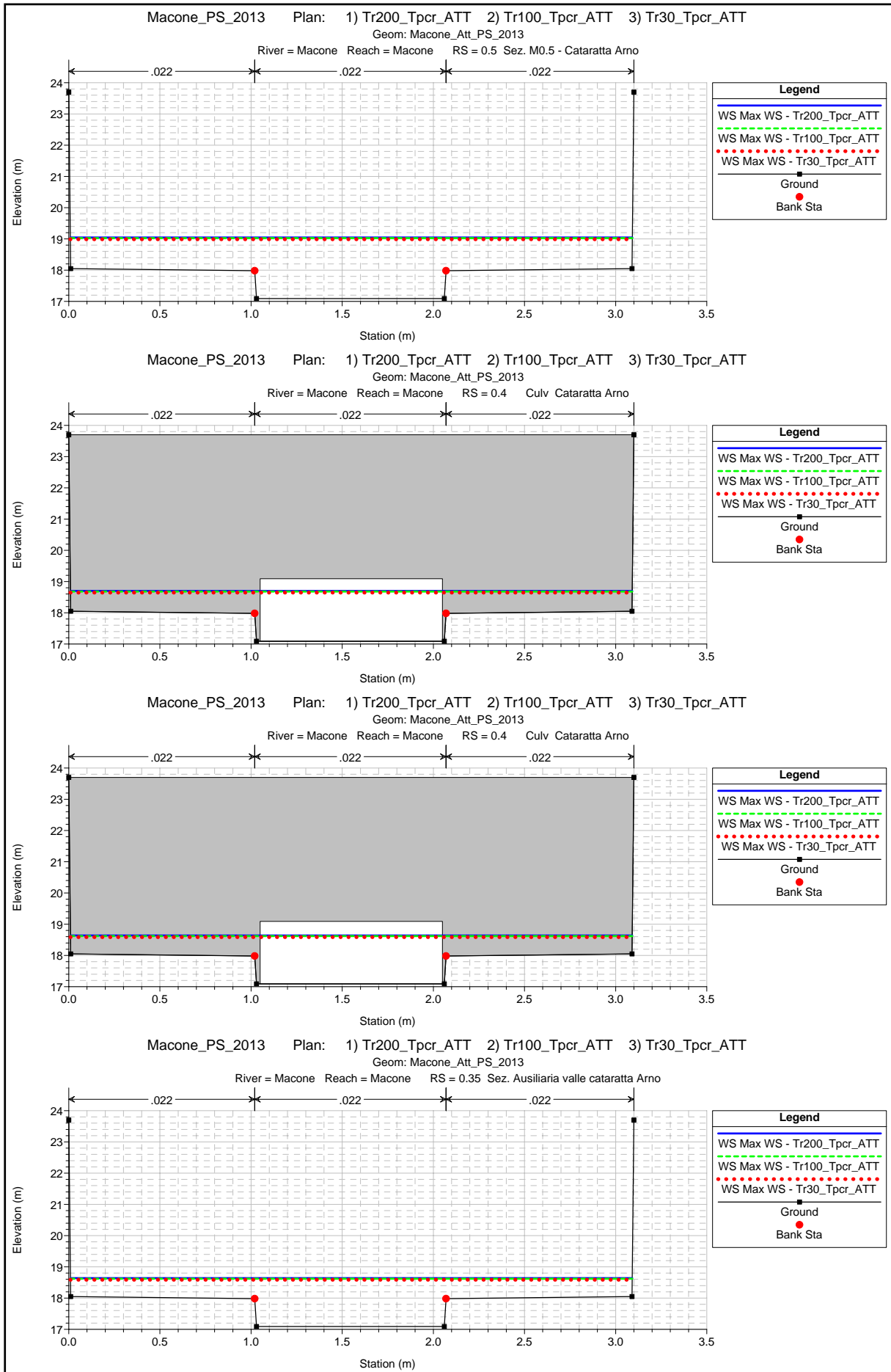


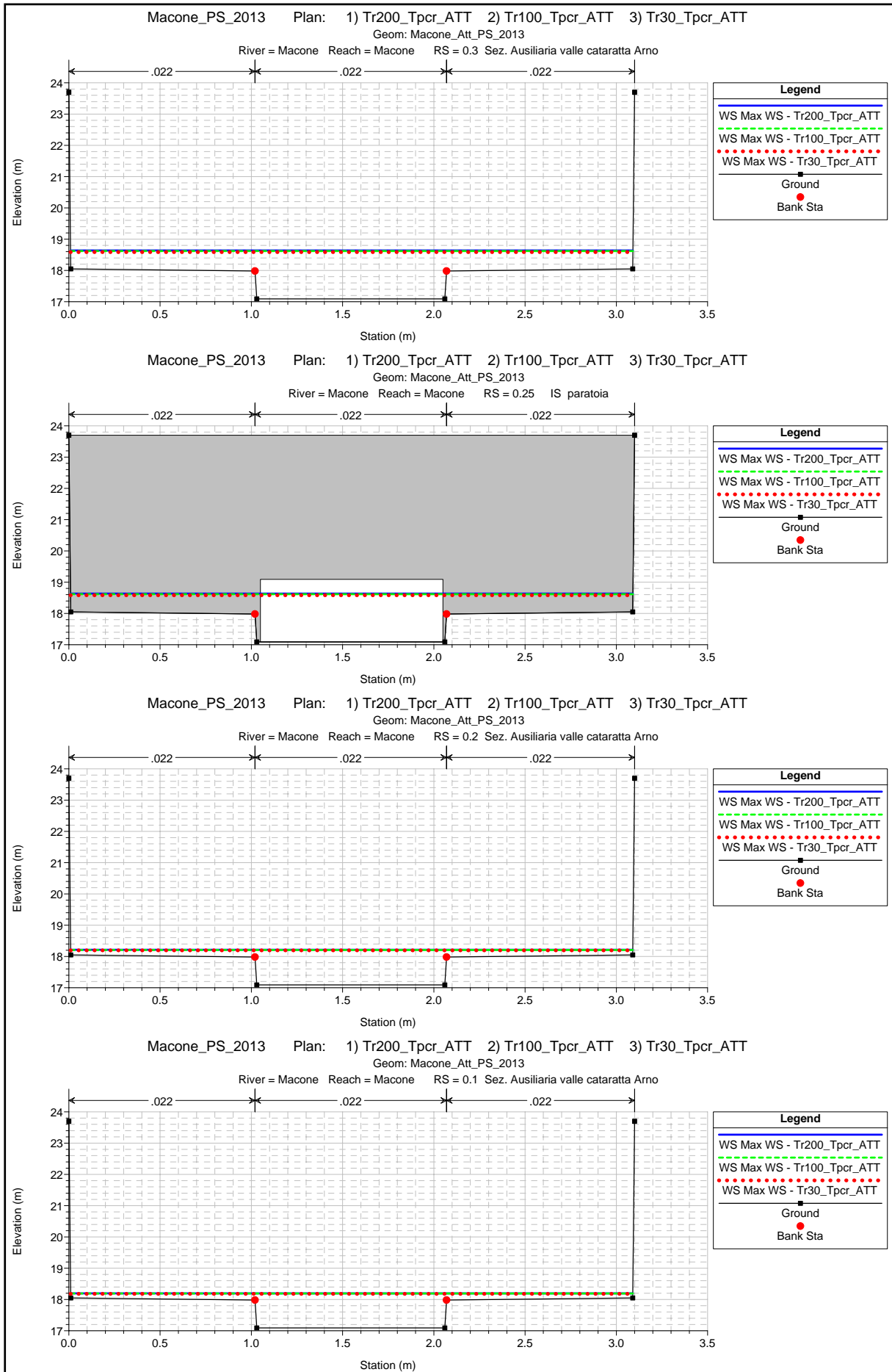












HEC-RAS River: Macone Reach: Macone Profile: Max WS

Reach	River Sta	Profile	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
Macone	30	Max WS	Tr200_Tpcr_ATT	6.60	19.12	20.80		20.87	0.001675	1.14	5.80	4.83	0.33
Macone	30	Max WS	Tr100_Tpcr_ATT	6.00	19.12	20.78		20.83	0.001464	1.05	5.69	4.83	0.31
Macone	30	Max WS	Tr30_Tpcr_ATT	4.50	19.12	20.70		20.74	0.000987	0.85	5.32	4.72	0.25
Macone	29.9	Max WS	Tr200_Tpcr_ATT	6.60	19.12	20.79		20.86	0.001721	1.15	5.75	4.83	0.34
Macone	29.9	Max WS	Tr100_Tpcr_ATT	6.00	19.12	20.77		20.82	0.001497	1.06	5.64	4.81	0.31
Macone	29.9	Max WS	Tr30_Tpcr_ATT	4.50	19.12	20.69		20.73	0.001002	0.85	5.29	4.71	0.26
Macone	29.88			Lat Struct									
Macone	29	Max WS	Tr200_Tpcr_ATT	3.15	19.01	20.66		20.66	0.000183	0.41	7.71	6.29	0.12
Macone	29	Max WS	Tr100_Tpcr_ATT	3.14	19.01	20.64		20.65	0.000187	0.41	7.64	6.29	0.12
Macone	29	Max WS	Tr30_Tpcr_ATT	3.05	19.01	20.60		20.61	0.000196	0.41	7.37	6.29	0.12
Macone	28	Max WS	Tr200_Tpcr_ATT	3.15	19.00	20.62		20.67	0.000884	0.98	3.22	2.00	0.25
Macone	28	Max WS	Tr100_Tpcr_ATT	3.14	19.00	20.61		20.66	0.000893	0.98	3.19	2.00	0.25
Macone	28	Max WS	Tr30_Tpcr_ATT	3.05	19.00	20.56		20.61	0.000903	0.98	3.11	2.00	0.25
Macone	27.5			Culvert									
Macone	27	Max WS	Tr200_Tpcr_ATT	3.15	19.00	20.53		20.58	0.001018	1.04	3.04	2.00	0.27
Macone	27	Max WS	Tr100_Tpcr_ATT	3.13	19.00	20.52		20.57	0.001025	1.04	3.02	2.00	0.27
Macone	27	Max WS	Tr30_Tpcr_ATT	3.05	19.00	20.49		20.54	0.001023	1.03	2.96	1.99	0.27
Macone	26.75	Max WS	Tr200_Tpcr_ATT	3.14	18.77	20.48		20.51	0.000498	0.79	3.96	2.33	0.19
Macone	26.75	Max WS	Tr100_Tpcr_ATT	3.13	18.77	20.47		20.50	0.000502	0.80	3.93	2.33	0.20
Macone	26.75	Max WS	Tr30_Tpcr_ATT	3.04	18.77	20.43		20.47	0.000499	0.79	3.86	2.33	0.20
Macone	26.5	Max WS	Tr200_Tpcr_ATT	3.14	18.54	20.45		20.47	0.000257	0.62	5.07	2.66	0.14
Macone	26.5	Max WS	Tr100_Tpcr_ATT	3.13	18.54	20.44		20.46	0.000259	0.62	5.04	2.66	0.14
Macone	26.5	Max WS	Tr30_Tpcr_ATT	3.04	18.54	20.41		20.43	0.000255	0.61	4.96	2.66	0.14
Macone	26.2			Culvert									
Macone	26	Max WS	Tr200_Tpcr_ATT	3.09	18.54	20.39		20.41	0.000230	0.62	5.26	4.83	0.15
Macone	26	Max WS	Tr100_Tpcr_ATT	3.11	18.54	20.38		20.40	0.000239	0.63	5.21	4.76	0.15
Macone	26	Max WS	Tr30_Tpcr_ATT	3.04	18.54	20.35		20.37	0.000240	0.63	5.08	4.58	0.15

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	25.99			Lat Struct									
Macone	25.98			Lat Struct									
Macone	25.8	Max WS	Tr200_Tpcr_ATT	3.12	18.54	20.39		20.41	0.000236	0.63	5.25	4.82	0.15
Macone	25.8	Max WS	Tr100_Tpcr_ATT	3.14	18.54	20.38		20.40	0.000244	0.64	5.20	4.75	0.15
Macone	25.8	Max WS	Tr30_Tpcr_ATT	3.06	18.54	20.35		20.37	0.000245	0.63	5.07	4.56	0.15
Macone	25.6	Max WS	Tr200_Tpcr_ATT	3.15	18.53	20.39		20.40	0.000411	0.58	5.60	4.75	0.14
Macone	25.6	Max WS	Tr100_Tpcr_ATT	3.16	18.53	20.38		20.39	0.000424	0.58	5.55	4.67	0.14
Macone	25.6	Max WS	Tr30_Tpcr_ATT	3.07	18.53	20.35		20.37	0.000426	0.58	5.42	4.46	0.14
Macone	24.9	Max WS	Tr200_Tpcr_ATT	3.30	18.45	20.38		20.39	0.000210	0.45	7.38	5.50	0.12
Macone	24.9	Max WS	Tr100_Tpcr_ATT	3.29	18.45	20.37		20.38	0.000214	0.45	7.32	5.48	0.12
Macone	24.9	Max WS	Tr30_Tpcr_ATT	3.18	18.45	20.34		20.35	0.000211	0.44	7.17	5.44	0.12
Macone	24.89	Max WS	Tr200_Tpcr_ATT	3.30	18.45	20.39		20.39	0.000048	0.34	9.58	5.89	0.09
Macone	24.89	Max WS	Tr100_Tpcr_ATT	3.29	18.45	20.38		20.38	0.000048	0.35	9.51	5.88	0.09
Macone	24.89	Max WS	Tr30_Tpcr_ATT	3.18	18.45	20.35		20.35	0.000047	0.34	9.35	5.85	0.09
Macone	24.88			Culvert									
Macone	24.85	Max WS	Tr200_Tpcr_ATT	3.30	18.45	20.38		20.38	0.000048	0.35	9.52	5.88	0.09
Macone	24.85	Max WS	Tr100_Tpcr_ATT	3.29	18.45	20.37		20.37	0.000049	0.35	9.46	5.87	0.09
Macone	24.85	Max WS	Tr30_Tpcr_ATT	3.18	18.45	20.34		20.34	0.000048	0.34	9.30	5.84	0.09
Macone	24.8	Max WS	Tr200_Tpcr_ATT	3.30	18.40	20.37		20.38	0.000078	0.42	7.94	4.87	0.10
Macone	24.8	Max WS	Tr100_Tpcr_ATT	3.30	18.40	20.36		20.37	0.000079	0.42	7.89	4.87	0.10
Macone	24.8	Max WS	Tr30_Tpcr_ATT	3.18	18.40	20.34		20.34	0.000077	0.41	7.75	4.85	0.10
Macone	24.7			Culvert									
Macone	24.6	Max WS	Tr200_Tpcr_ATT	3.30	18.40	20.33		20.34	0.000084	0.43	7.71	4.84	0.11
Macone	24.6	Max WS	Tr100_Tpcr_ATT	3.26	18.40	20.32		20.33	0.000084	0.43	7.66	4.83	0.11
Macone	24.6	Max WS	Tr30_Tpcr_ATT	3.18	18.40	20.29		20.30	0.000083	0.42	7.54	4.82	0.11
Macone	24.55	Max WS	Tr200_Tpcr_ATT	3.30	18.42	20.33		20.34	0.000202	0.44	7.53	4.83	0.11
Macone	24.55	Max WS	Tr100_Tpcr_ATT	3.27	18.42	20.32		20.33	0.000201	0.44	7.49	4.82	0.11

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	24.55	Max WS	Tr30_Tpcr_ATT	3.19	18.42	20.29		20.30	0.000200	0.43	7.37	4.80	0.11
Macone	24.54			Lat Struct									
Macone	24.53			Lat Struct									
Macone	23.6	Max WS	Tr200_Tpcr_ATT	3.50	18.86	20.26		20.30	0.001339	0.90	3.89	4.16	0.30
Macone	23.6	Max WS	Tr100_Tpcr_ATT	3.45	18.86	20.25		20.29	0.001336	0.89	3.85	4.14	0.30
Macone	23.6	Max WS	Tr30_Tpcr_ATT	3.30	18.86	20.23		20.27	0.001308	0.88	3.76	4.09	0.29
Macone	23.5	Max WS	Tr200_Tpcr_ATT	3.54	18.27	20.28		20.29	0.000092	0.45	7.83	4.71	0.11
Macone	23.5	Max WS	Tr100_Tpcr_ATT	3.48	18.27	20.27		20.28	0.000090	0.45	7.78	4.71	0.11
Macone	23.5	Max WS	Tr30_Tpcr_ATT	3.34	18.27	20.25		20.26	0.000086	0.44	7.67	4.69	0.11
Macone	23.4			Culvert									
Macone	23.3	Max WS	Tr200_Tpcr_ATT	3.54	18.27	20.23		20.24	0.000100	0.47	7.59	4.67	0.12
Macone	23.3	Max WS	Tr100_Tpcr_ATT	3.48	18.27	20.22		20.23	0.000098	0.46	7.55	4.67	0.12
Macone	23.3	Max WS	Tr30_Tpcr_ATT	3.33	18.27	20.20		20.21	0.000092	0.45	7.46	4.65	0.11
Macone	23.29			Lat Struct									
Macone	23.28			Lat Struct									
Macone	23.25	Max WS	Tr200_Tpcr_ATT	3.55	18.79	20.21		20.24	0.001021	0.78	4.54	5.51	0.27
Macone	23.25	Max WS	Tr100_Tpcr_ATT	3.51	18.79	20.20		20.23	0.001023	0.78	4.50	5.49	0.27
Macone	23.25	Max WS	Tr30_Tpcr_ATT	3.35	18.79	20.18		20.21	0.000989	0.76	4.40	5.43	0.27
Macone	23.2	Max WS	Tr200_Tpcr_ATT	3.82	18.77	20.09		20.14	0.001625	0.95	4.04	5.21	0.34
Macone	23.2	Max WS	Tr100_Tpcr_ATT	3.74	18.77	20.09		20.13	0.001581	0.93	4.01	5.20	0.34
Macone	23.2	Max WS	Tr30_Tpcr_ATT	3.56	18.77	20.08		20.12	0.001482	0.90	3.96	5.17	0.33
Macone	23.1	Max WS	Tr200_Tpcr_ATT	3.90	18.60	20.05		20.08	0.000822	0.74	5.27	8.56	0.25
Macone	23.1	Max WS	Tr100_Tpcr_ATT	3.84	18.60	20.05		20.08	0.000804	0.73	5.25	8.25	0.25
Macone	23.1	Max WS	Tr30_Tpcr_ATT	3.64	18.60	20.04		20.07	0.000736	0.70	5.21	7.50	0.24
Macone	22	Max WS	Tr200_Tpcr_ATT	2.01	18.55	20.06		20.07	0.000125	0.34	6.81	11.14	0.10
Macone	22	Max WS	Tr100_Tpcr_ATT	2.01	18.55	20.06		20.06	0.000127	0.34	6.77	11.13	0.10

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	22	Max WS	Tr30_Tpcr_ATT	2.01	18.55	20.05		20.06	0.000131	0.34	6.67	11.11	0.10
Macone	21	Max WS	Tr200_Tpcr_ATT	2.38	18.45	20.05		20.05	0.000195	0.41	5.91	6.45	0.12
Macone	21	Max WS	Tr100_Tpcr_ATT	2.34	18.45	20.04		20.05	0.000190	0.41	5.88	6.42	0.12
Macone	21	Max WS	Tr30_Tpcr_ATT	2.26	18.45	20.03		20.04	0.000181	0.40	5.84	6.34	0.11
Macone	20.8	Max WS	Tr200_Tpcr_ATT	2.38	18.45	20.04	18.89	20.05	0.000087	0.41	5.90	6.45	0.12
Macone	20.8	Max WS	Tr100_Tpcr_ATT	2.34	18.45	20.04	18.89	20.05	0.000085	0.41	5.88	6.41	0.12
Macone	20.8	Max WS	Tr30_Tpcr_ATT	2.26	18.45	20.03	18.88	20.04	0.000081	0.40	5.83	6.34	0.11
Macone	20.7			Bridge									
Macone	20.5	Max WS	Tr200_Tpcr_ATT	2.38	18.45	20.03		20.04	0.000091	0.42	5.79	6.27	0.12
Macone	20.5	Max WS	Tr100_Tpcr_ATT	2.34	18.45	20.02		20.03	0.000089	0.42	5.77	6.24	0.12
Macone	20.5	Max WS	Tr30_Tpcr_ATT	2.26	18.45	20.02		20.03	0.000084	0.40	5.73	6.18	0.12
Macone	20.3	Max WS	Tr200_Tpcr_ATT	2.38	18.46	20.03		20.04	0.000219	0.43	5.70	6.66	0.12
Macone	20.3	Max WS	Tr100_Tpcr_ATT	2.34	18.46	20.02		20.03	0.000214	0.42	5.68	6.61	0.12
Macone	20.3	Max WS	Tr30_Tpcr_ATT	2.26	18.46	20.02		20.03	0.000203	0.41	5.64	6.50	0.12
Macone	20.29			Lat Struct									
Macone	20.28			Lat Struct									
Macone	20	Max WS	Tr200_Tpcr_ATT	2.38	18.50	20.02		20.03	0.000264	0.44	5.37	4.66	0.13
Macone	20	Max WS	Tr100_Tpcr_ATT	2.34	18.50	20.02		20.03	0.000257	0.44	5.36	4.66	0.13
Macone	20	Max WS	Tr30_Tpcr_ATT	2.26	18.50	20.01		20.02	0.000243	0.42	5.33	4.65	0.13
Macone	19.5	Max WS	Tr200_Tpcr_ATT	1.71	18.51	19.98		19.98	0.000118	0.30	6.19	9.17	0.10
Macone	19.5	Max WS	Tr100_Tpcr_ATT	1.72	18.51	19.98		19.98	0.000122	0.31	6.16	9.17	0.10
Macone	19.5	Max WS	Tr30_Tpcr_ATT	1.74	18.51	19.97		19.98	0.000127	0.31	6.12	9.16	0.10
Macone	19.2	Max WS	Tr200_Tpcr_ATT	1.71	18.55	19.97	19.08	19.98	0.000130	0.42	4.09	4.70	0.14
Macone	19.2	Max WS	Tr100_Tpcr_ATT	1.72	18.55	19.97	19.08	19.98	0.000133	0.42	4.08	4.70	0.14
Macone	19.2	Max WS	Tr30_Tpcr_ATT	1.74	18.55	19.97	19.08	19.98	0.000139	0.43	4.05	4.68	0.15
Macone	19.1			Bridge									

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	19.05	Max WS	Tr200_Tpcr_ATT	0.83	18.55	19.93		19.94	0.000035	0.21	3.91	4.60	0.07
Macone	19.05	Max WS	Tr100_Tpcr_ATT	0.96	18.55	19.92		19.92	0.000050	0.25	3.82	4.55	0.09
Macone	19.05	Max WS	Tr30_Tpcr_ATT	1.18	18.55	19.88		19.88	0.000085	0.33	3.64	4.45	0.11
Macone	19	Max WS	Tr200_Tpcr_ATT	0.83	18.55	19.93		19.94	0.000079	0.21	3.91	4.60	0.07
Macone	19	Max WS	Tr100_Tpcr_ATT	0.96	18.55	19.92		19.92	0.000112	0.25	3.82	4.55	0.09
Macone	19	Max WS	Tr30_Tpcr_ATT	1.18	18.55	19.88		19.88	0.000192	0.33	3.64	4.45	0.11
Macone	18.99			Lat Struct									
Macone	18.98			Lat Struct									
Macone	18	Max WS	Tr200_Tpcr_ATT	0.46	18.45	19.92		19.92	0.000006	0.06	8.26	11.72	0.02
Macone	18	Max WS	Tr100_Tpcr_ATT	0.54	18.45	19.90		19.90	0.000009	0.08	7.99	11.65	0.03
Macone	18	Max WS	Tr30_Tpcr_ATT	0.68	18.45	19.85		19.85	0.000017	0.11	7.38	11.49	0.04
Macone	17	Max WS	Tr200_Tpcr_ATT	1.04	18.45	19.92		19.92	0.000032	0.15	6.78	7.15	0.05
Macone	17	Max WS	Tr100_Tpcr_ATT	1.05	18.45	19.90		19.90	0.000034	0.16	6.61	7.07	0.05
Macone	17	Max WS	Tr30_Tpcr_ATT	1.06	18.45	19.85		19.85	0.000041	0.17	6.25	6.90	0.06
Macone	16.99			Lat Struct									
Macone	16.5	Max WS	Tr200_Tpcr_ATT	1.13	18.47	19.91		19.91	0.000060	0.21	5.80	10.61	0.07
Macone	16.5	Max WS	Tr100_Tpcr_ATT	1.12	18.47	19.89		19.89	0.000064	0.21	5.56	9.04	0.07
Macone	16.5	Max WS	Tr30_Tpcr_ATT	1.11	18.47	19.83		19.83	0.000077	0.23	5.11	7.94	0.08
Macone	16.2	Max WS	Tr200_Tpcr_ATT	1.13	18.19	19.91		19.91	0.000153	0.30	3.76	3.75	0.10
Macone	16.2	Max WS	Tr100_Tpcr_ATT	1.12	18.19	19.88		19.89	0.000161	0.31	3.67	3.73	0.10
Macone	16.2	Max WS	Tr30_Tpcr_ATT	1.12	18.19	19.83		19.83	0.000185	0.32	3.47	3.67	0.11
Macone	16.1	Max WS	Tr200_Tpcr_ATT	1.13	18.19	19.90		19.91	0.000382	0.38	3.06	14.24	0.15
Macone	16.1	Max WS	Tr100_Tpcr_ATT	1.12	18.19	19.88		19.89	0.000078	0.38	2.96	13.43	0.09
Macone	16.1	Max WS	Tr30_Tpcr_ATT	1.12	18.19	19.83		19.83	0.000086	0.39	2.86	11.35	0.10
Macone	16.05			Culvert									
Macone	16	Max WS	Tr200_Tpcr_ATT	1.13	18.19	19.83		19.83	0.000044	0.19	6.33	11.66	0.06
Macone	16	Max WS	Tr100_Tpcr_ATT	1.12	18.19	19.80		19.80	0.000047	0.20	6.00	10.50	0.06

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	16	Max WS	Tr30_Tpcr_ATT	0.38	18.19	19.74		19.74	0.000007	0.07	5.51	8.46	0.02
Macone	15	Max WS	Tr200_Tpcr_ATT	1.14	18.40	19.82		19.83	0.000066	0.22	5.55	9.90	0.07
Macone	15	Max WS	Tr100_Tpcr_ATT	1.13	18.40	19.79		19.80	0.000073	0.23	5.26	9.24	0.08
Macone	15	Max WS	Tr30_Tpcr_ATT	0.39	18.40	19.74		19.74	0.000011	0.09	4.82	8.12	0.03
Macone	14.99			Lat Struct									
Macone	14.98			Lat Struct									
Macone	14.5	Max WS	Tr200_Tpcr_ATT	1.19	18.17	19.82		19.82	0.000048	0.21	6.83	11.95	0.06
Macone	14.5	Max WS	Tr100_Tpcr_ATT	1.17	18.17	19.79		19.79	0.000052	0.22	6.47	11.56	0.06
Macone	14.5	Max WS	Tr30_Tpcr_ATT	0.56	18.17	19.74		19.74	0.000014	0.11	5.98	10.79	0.03
Macone	14	Max WS	Tr200_Tpcr_ATT	1.22	17.95	19.81		19.81	0.000038	0.20	8.09	13.72	0.05
Macone	14	Max WS	Tr100_Tpcr_ATT	1.22	17.95	19.78		19.78	0.000042	0.21	7.67	13.17	0.06
Macone	14	Max WS	Tr30_Tpcr_ATT	0.73	17.95	19.74		19.74	0.000017	0.13	7.16	12.36	0.04
Macone	13.5	Max WS	Tr200_Tpcr_ATT	1.24	17.98	19.81		19.81	0.000057	0.22	5.93	8.58	0.06
Macone	13.5	Max WS	Tr100_Tpcr_ATT	1.23	17.98	19.78		19.78	0.000062	0.23	5.67	7.92	0.07
Macone	13.5	Max WS	Tr30_Tpcr_ATT	0.79	17.98	19.74		19.74	0.000029	0.15	5.38	7.13	0.05
Macone	13	Max WS	Tr200_Tpcr_ATT	0.71	18.02	19.75	18.50	19.76	0.000994	0.46	1.53	0.65	0.11
Macone	13	Max WS	Tr100_Tpcr_ATT	0.77	18.02	19.72	18.52	19.74	0.001197	0.51	1.51	0.69	0.13
Macone	13	Max WS	Tr30_Tpcr_ATT	0.86	18.02	19.67	18.56	19.69	0.001560	0.59	1.48	0.76	0.15
Macone	12.5	Max WS	Tr200_Tpcr_ATT	0.81	17.95	19.74		19.74	0.000027	0.14	5.76	5.87	0.04
Macone	12.5	Max WS	Tr100_Tpcr_ATT	0.86	17.95	19.71		19.71	0.000033	0.15	5.60	5.70	0.05
Macone	12.5	Max WS	Tr30_Tpcr_ATT	0.93	17.95	19.66		19.66	0.000045	0.18	5.30	5.56	0.06
Macone	12.2	Max WS	Tr200_Tpcr_ATT	0.81	17.89	19.74		19.74	0.000050	0.18	4.41	3.42	0.05
Macone	12.2	Max WS	Tr100_Tpcr_ATT	0.86	17.89	19.71		19.71	0.000061	0.20	4.32	3.38	0.06
Macone	12.2	Max WS	Tr30_Tpcr_ATT	0.94	17.89	19.66		19.66	0.000080	0.23	4.14	3.33	0.06
Macone	12.15			Culvert									
Macone	12.1	Max WS	Tr200_Tpcr_ATT	0.81	17.89	19.71		19.71	0.000053	0.19	4.32	3.39	0.05
Macone	12.1	Max WS	Tr100_Tpcr_ATT	0.86	17.89	19.68		19.68	0.000064	0.20	4.22	3.35	0.06

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	12.1	Max WS	Tr30_Tpcr_ATT	0.94	17.89	19.63		19.63	0.000085	0.23	4.05	3.29	0.07
Macone	12	Max WS	Tr200_Tpcr_ATT	0.81	17.95	19.71		19.71	0.000015	0.12	7.35	9.62	0.03
Macone	12	Max WS	Tr100_Tpcr_ATT	0.87	17.95	19.68		19.68	0.000018	0.13	7.08	9.13	0.04
Macone	12	Max WS	Tr30_Tpcr_ATT	0.94	17.95	19.63		19.63	0.000025	0.15	6.62	8.26	0.04
Macone	11.99			Lat Struct									
Macone	11.98			Lat Struct									
Macone	11	Max WS	Tr200_Tpcr_ATT	0.87	17.85	19.71		19.71	0.000005	0.08	12.01	15.67	0.02
Macone	11	Max WS	Tr100_Tpcr_ATT	0.92	17.85	19.68		19.68	0.000007	0.08	11.57	14.75	0.02
Macone	11	Max WS	Tr30_Tpcr_ATT	0.98	17.85	19.63		19.63	0.000009	0.09	10.83	13.11	0.03
Macone	10.5	Max WS	Tr200_Tpcr_ATT	0.98	17.90	19.71		19.71	0.000012	0.11	9.03	12.31	0.03
Macone	10.5	Max WS	Tr100_Tpcr_ATT	1.01	17.90	19.68		19.68	0.000014	0.12	8.68	11.18	0.03
Macone	10.5	Max WS	Tr30_Tpcr_ATT	1.06	17.90	19.63		19.63	0.000018	0.13	8.14	9.13	0.04
Macone	10	Max WS	Tr200_Tpcr_ATT	1.09	17.95	19.71		19.71	0.000045	0.19	6.05	7.89	0.05
Macone	10	Max WS	Tr100_Tpcr_ATT	1.12	17.95	19.68		19.68	0.000051	0.20	5.82	7.45	0.06
Macone	10	Max WS	Tr30_Tpcr_ATT	1.15	17.95	19.62		19.63	0.000062	0.22	5.44	6.66	0.06
Macone	9.9	Max WS	Tr200_Tpcr_ATT	1.09	17.95	19.71	18.25	19.71	0.000020	0.19	6.05	7.89	0.05
Macone	9.9	Max WS	Tr100_Tpcr_ATT	1.12	17.95	19.68	18.26	19.68	0.000023	0.20	5.82	7.45	0.06
Macone	9.9	Max WS	Tr30_Tpcr_ATT	1.15	17.95	19.62	18.26	19.63	0.000028	0.22	5.44	6.65	0.06
Macone	9.8			Bridge									
Macone	9.7	Max WS	Tr200_Tpcr_ATT	1.09	17.95	19.70		19.70	0.000020	0.19	6.01	7.81	0.05
Macone	9.7	Max WS	Tr100_Tpcr_ATT	1.12	17.95	19.67		19.67	0.000023	0.20	5.78	7.36	0.06
Macone	9.7	Max WS	Tr30_Tpcr_ATT	1.15	17.95	19.62		19.62	0.000028	0.22	5.40	6.57	0.06
Macone	9.6	Max WS	Tr200_Tpcr_ATT	1.10	17.95	19.70		19.70	0.000046	0.19	6.01	7.81	0.05
Macone	9.6	Max WS	Tr100_Tpcr_ATT	1.12	17.95	19.67		19.67	0.000052	0.20	5.78	7.36	0.06
Macone	9.6	Max WS	Tr30_Tpcr_ATT	1.15	17.95	19.62		19.62	0.000063	0.22	5.40	6.57	0.06
Macone	9.59			Lat Struct									

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	9.58			Lat Struct									
Macone	9	Max WS	Tr200_Tpcr_ATT	1.19	17.95	19.70		19.70	0.000063	0.23	5.67	8.72	0.07
Macone	9	Max WS	Tr100_Tpcr_ATT	1.21	17.95	19.67		19.67	0.000071	0.24	5.41	8.20	0.07
Macone	9	Max WS	Tr30_Tpcr_ATT	1.23	17.95	19.61		19.61	0.000087	0.26	4.98	7.26	0.08
Macone	8.8	Max WS	Tr200_Tpcr_ATT	1.31	17.98	19.69		19.69	0.000066	0.23	5.74	6.30	0.07
Macone	8.8	Max WS	Tr100_Tpcr_ATT	1.32	17.98	19.66		19.66	0.000073	0.24	5.56	5.56	0.07
Macone	8.8	Max WS	Tr30_Tpcr_ATT	1.32	17.98	19.60		19.61	0.000085	0.25	5.26	5.31	0.08
Macone	8.6	Max WS	Tr200_Tpcr_ATT	1.43	18.02	19.69		19.69	0.000068	0.23	6.16	5.63	0.07
Macone	8.6	Max WS	Tr100_Tpcr_ATT	1.43	18.02	19.65		19.66	0.000073	0.24	5.98	5.48	0.07
Macone	8.6	Max WS	Tr30_Tpcr_ATT	1.41	18.02	19.60		19.60	0.000081	0.25	5.67	5.36	0.08
Macone	8.5	Max WS	Tr200_Tpcr_ATT	1.55	18.05	19.68		19.68	0.000066	0.23	6.62	5.92	0.07
Macone	8.5	Max WS	Tr100_Tpcr_ATT	1.54	18.05	19.65		19.65	0.000070	0.24	6.44	5.85	0.07
Macone	8.5	Max WS	Tr30_Tpcr_ATT	1.50	18.05	19.59		19.59	0.000077	0.25	6.11	5.73	0.08
Macone	8	Max WS	Tr200_Tpcr_ATT	1.57	18.00	19.66		19.68	0.001174	0.67	2.34	1.69	0.17
Macone	8	Max WS	Tr100_Tpcr_ATT	1.55	18.00	19.62		19.65	0.001210	0.68	2.29	1.50	0.18
Macone	8	Max WS	Tr30_Tpcr_ATT	1.51	18.00	19.57		19.59	0.001257	0.69	2.20	1.50	0.18
Macone	7.9			Culvert									
Macone	7.8	Max WS	Tr200_Tpcr_ATT	1.57	18.00	19.64		19.66	0.001210	0.68	2.31	1.50	0.17
Macone	7.8	Max WS	Tr100_Tpcr_ATT	1.55	18.00	19.61		19.63	0.001242	0.69	2.26	1.50	0.18
Macone	7.8	Max WS	Tr30_Tpcr_ATT	1.51	18.00	19.55		19.58	0.001290	0.69	2.18	1.50	0.18
Macone	7.79			Lat Struct									
Macone	7.78			Lat Struct									
Macone	7.4	Max WS	Tr200_Tpcr_ATT	1.66	17.67	19.61		19.62	0.000291	0.43	3.95	3.82	0.11
Macone	7.4	Max WS	Tr100_Tpcr_ATT	1.63	17.67	19.57		19.58	0.000302	0.43	3.83	3.58	0.12
Macone	7.4	Max WS	Tr30_Tpcr_ATT	1.58	17.67	19.51		19.52	0.000321	0.44	3.63	3.16	0.12
Macone	7	Max WS	Tr200_Tpcr_ATT	1.75	17.33	19.60		19.60	0.000103	0.30	5.86	4.16	0.08
Macone	7	Max WS	Tr100_Tpcr_ATT	1.71	17.33	19.57		19.57	0.000106	0.30	5.72	4.11	0.08

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	7	Max WS	Tr30_Tpcr_ATT	1.64	17.33	19.51		19.51	0.000109	0.30	5.48	4.01	0.08
Macone	6.5			Culvert									
Macone	6	Max WS	Tr200_Tpcr_ATT	1.73	17.60	19.26		19.26	0.000061	0.23	7.70	7.31	0.07
Macone	6	Max WS	Tr100_Tpcr_ATT	1.70	17.60	19.24		19.24	0.000062	0.22	7.57	7.25	0.07
Macone	6	Max WS	Tr30_Tpcr_ATT	1.63	17.60	19.21		19.21	0.000062	0.22	7.33	7.15	0.07
Macone	5.99			Lat Struct									
Macone	5.98			Lat Struct									
Macone	5.5	Max WS	Tr200_Tpcr_ATT	1.73	17.67	19.25		19.26	0.000079	0.25	6.84	6.37	0.08
Macone	5.5	Max WS	Tr100_Tpcr_ATT	1.70	17.67	19.23		19.24	0.000079	0.25	6.72	6.32	0.08
Macone	5.5	Max WS	Tr30_Tpcr_ATT	1.63	17.67	19.20		19.20	0.000079	0.25	6.52	6.24	0.08
Macone	5	Max WS	Tr200_Tpcr_ATT	1.73	17.65	19.25		19.25	0.000106	0.29	5.99	5.40	0.09
Macone	5	Max WS	Tr100_Tpcr_ATT	1.70	17.65	19.23		19.23	0.000106	0.29	5.89	5.36	0.09
Macone	5	Max WS	Tr30_Tpcr_ATT	1.63	17.65	19.19		19.20	0.000106	0.28	5.72	5.30	0.09
Macone	4	Max WS	Tr200_Tpcr_ATT	1.73	17.65	19.25		19.25	0.000034	0.18	9.45	7.74	0.05
Macone	4	Max WS	Tr100_Tpcr_ATT	1.70	17.65	19.23		19.23	0.000034	0.18	9.31	7.70	0.05
Macone	4	Max WS	Tr30_Tpcr_ATT	1.63	17.65	19.20		19.20	0.000034	0.18	9.06	7.63	0.05
Macone	3.55	Max WS	Tr200_Tpcr_ATT	3.44	17.72	19.22		19.23	0.000241	0.46	7.54	6.77	0.14
Macone	3.55	Max WS	Tr100_Tpcr_ATT	3.39	17.72	19.20		19.21	0.000245	0.46	7.41	6.73	0.14
Macone	3.55	Max WS	Tr30_Tpcr_ATT	3.29	17.72	19.17		19.18	0.000251	0.46	7.19	6.65	0.14
Macone	3.1	Max WS	Tr200_Tpcr_ATT	3.44	17.80	19.18		19.20	0.000541	0.62	5.56	5.79	0.20
Macone	3.1	Max WS	Tr100_Tpcr_ATT	3.39	17.80	19.16		19.18	0.000555	0.62	5.45	5.74	0.20
Macone	3.1	Max WS	Tr30_Tpcr_ATT	3.29	17.80	19.13		19.15	0.000578	0.63	5.26	5.67	0.21
Macone	3	Max WS	Tr200_Tpcr_ATT	3.44	17.53	19.18		19.20	0.000553	0.66	5.23	3.82	0.18
Macone	3	Max WS	Tr100_Tpcr_ATT	3.38	17.53	19.16		19.18	0.000556	0.66	5.16	3.82	0.18
Macone	3	Max WS	Tr30_Tpcr_ATT	3.29	17.53	19.12		19.14	0.000561	0.65	5.03	3.82	0.18
Macone	2.9			Culvert									

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	2.8	Max WS	Tr200_Tpcr_ATT	3.44	17.53	19.17		19.19	0.000563	0.66	5.19	3.82	0.18
Macone	2.8	Max WS	Tr100_Tpcr_ATT	3.38	17.53	19.15		19.17	0.000566	0.66	5.12	3.82	0.18
Macone	2.8	Max WS	Tr30_Tpcr_ATT	3.28	17.53	19.11		19.14	0.000572	0.66	4.99	3.82	0.18
Macone	2	Max WS	Tr200_Tpcr_ATT	3.44	17.75	19.16		19.17	0.000352	0.51	6.73	7.04	0.17
Macone	2	Max WS	Tr100_Tpcr_ATT	3.38	17.75	19.14		19.16	0.000360	0.51	6.60	6.98	0.17
Macone	2	Max WS	Tr30_Tpcr_ATT	3.28	17.75	19.11		19.12	0.000375	0.52	6.36	6.87	0.17
Macone	1.99			Lat Struct									
Macone	1.98			Lat Struct									
Macone	1.7	Max WS	Tr200_Tpcr_ATT	3.44	17.48	19.13		19.14	0.000280	0.48	7.18	6.80	0.15
Macone	1.7	Max WS	Tr100_Tpcr_ATT	3.38	17.48	19.11		19.12	0.000286	0.48	7.04	6.74	0.15
Macone	1.7	Max WS	Tr30_Tpcr_ATT	3.28	17.48	19.08		19.09	0.000295	0.48	6.81	6.64	0.15
Macone	1.4	Max WS	Tr200_Tpcr_ATT	3.44	17.21	19.11		19.12	0.000240	0.46	7.51	6.61	0.14
Macone	1.4	Max WS	Tr100_Tpcr_ATT	3.38	17.21	19.09		19.10	0.000244	0.46	7.38	6.56	0.14
Macone	1.4	Max WS	Tr30_Tpcr_ATT	3.28	17.21	19.05		19.06	0.000251	0.46	7.14	6.46	0.14
Macone	1.2	Max WS	Tr200_Tpcr_ATT	3.44	16.94	19.08		19.09	0.000221	0.45	7.72	6.48	0.13
Macone	1.2	Max WS	Tr100_Tpcr_ATT	3.38	16.94	19.06		19.07	0.000224	0.45	7.59	6.42	0.13
Macone	1.2	Max WS	Tr30_Tpcr_ATT	3.28	16.94	19.03		19.04	0.000230	0.45	7.35	6.32	0.13
Macone	1	Max WS	Tr200_Tpcr_ATT	3.44	16.80	19.07		19.08	0.000217	0.44	7.78	6.41	0.13
Macone	1	Max WS	Tr100_Tpcr_ATT	3.38	16.80	19.05		19.06	0.000220	0.44	7.64	6.36	0.13
Macone	1	Max WS	Tr30_Tpcr_ATT	3.28	16.80	19.02		19.03	0.000225	0.44	7.41	6.26	0.13
Macone	0.5	Max WS	Tr200_Tpcr_ATT	3.44	17.09	19.05		19.08	0.000631	0.92	4.14	3.08	0.21
Macone	0.5	Max WS	Tr100_Tpcr_ATT	3.38	17.09	19.03		19.06	0.000639	0.92	4.08	3.08	0.21
Macone	0.5	Max WS	Tr30_Tpcr_ATT	3.28	17.09	18.99		19.02	0.000652	0.92	3.96	3.08	0.21
Macone	0.4			Culvert									
Macone	0.35	Max WS	Tr200_Tpcr_ATT	3.44	17.09	18.64		18.71	0.001769	1.32	2.88	3.08	0.34
Macone	0.35	Max WS	Tr100_Tpcr_ATT	3.38	17.09	18.62		18.70	0.001810	1.33	2.83	3.08	0.34
Macone	0.35	Max WS	Tr30_Tpcr_ATT	3.28	17.09	18.59		18.67	0.001889	1.34	2.73	3.08	0.35

HEC-RAS River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Macone	0.3	Max WS	Tr200_Tpcr_ATT	3.44	17.09	18.64	18.23	18.71	0.001771	1.32	2.88	3.08	0.34
Macone	0.3	Max WS	Tr100_Tpcr_ATT	3.38	17.09	18.62	18.23	18.70	0.001811	1.33	2.83	3.08	0.34
Macone	0.3	Max WS	Tr30_Tpcr_ATT	3.28	17.09	18.59	18.22	18.66	0.001892	1.34	2.73	3.08	0.35
Macone	0.25			Inl Struct									
Macone	0.2	Max WS	Tr200_Tpcr_ATT	3.44	17.09	18.21	18.23	18.49	0.009509	2.47	1.57	3.08	0.75
Macone	0.2	Max WS	Tr100_Tpcr_ATT	3.38	17.09	18.21	18.23	18.48	0.009466	2.46	1.55	3.08	0.75
Macone	0.2	Max WS	Tr30_Tpcr_ATT	3.28	17.09	18.20	18.22	18.47	0.009384	2.43	1.52	3.08	0.74
Macone	0.1	Max WS	Tr200_Tpcr_ATT	3.44	17.09	18.20	18.23	18.49	0.010366	2.55	1.52	3.08	0.78
Macone	0.1	Max WS	Tr100_Tpcr_ATT	3.38	17.09	18.19	18.23	18.49	0.010324	2.54	1.50	3.08	0.78
Macone	0.1	Max WS	Tr30_Tpcr_ATT	3.28	17.09	18.18	18.22	18.47	0.010242	2.51	1.47	3.08	0.77

Scenario B

- **Rio di Fucecchio**
- **Torrente Vincio**

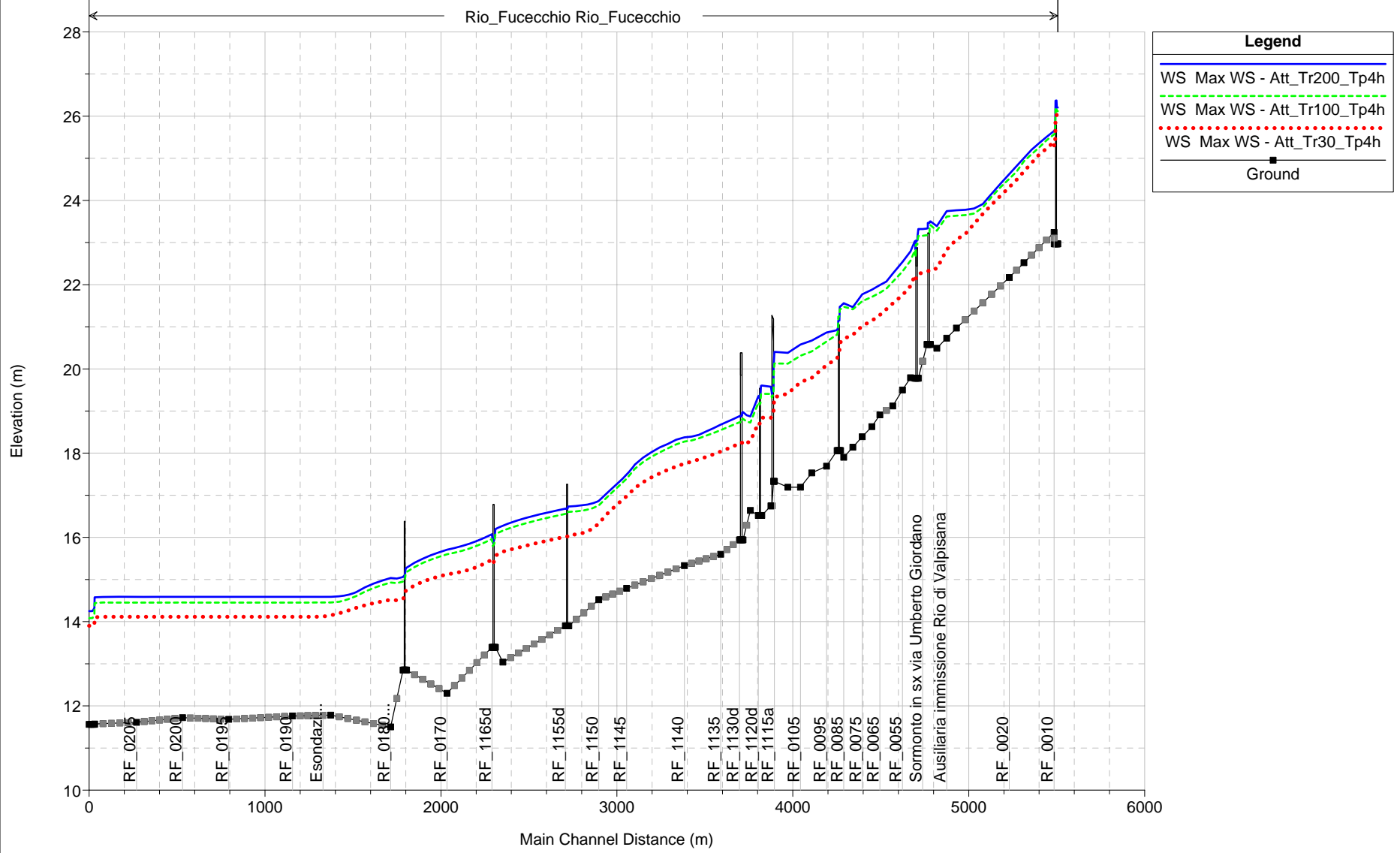
Scenario B

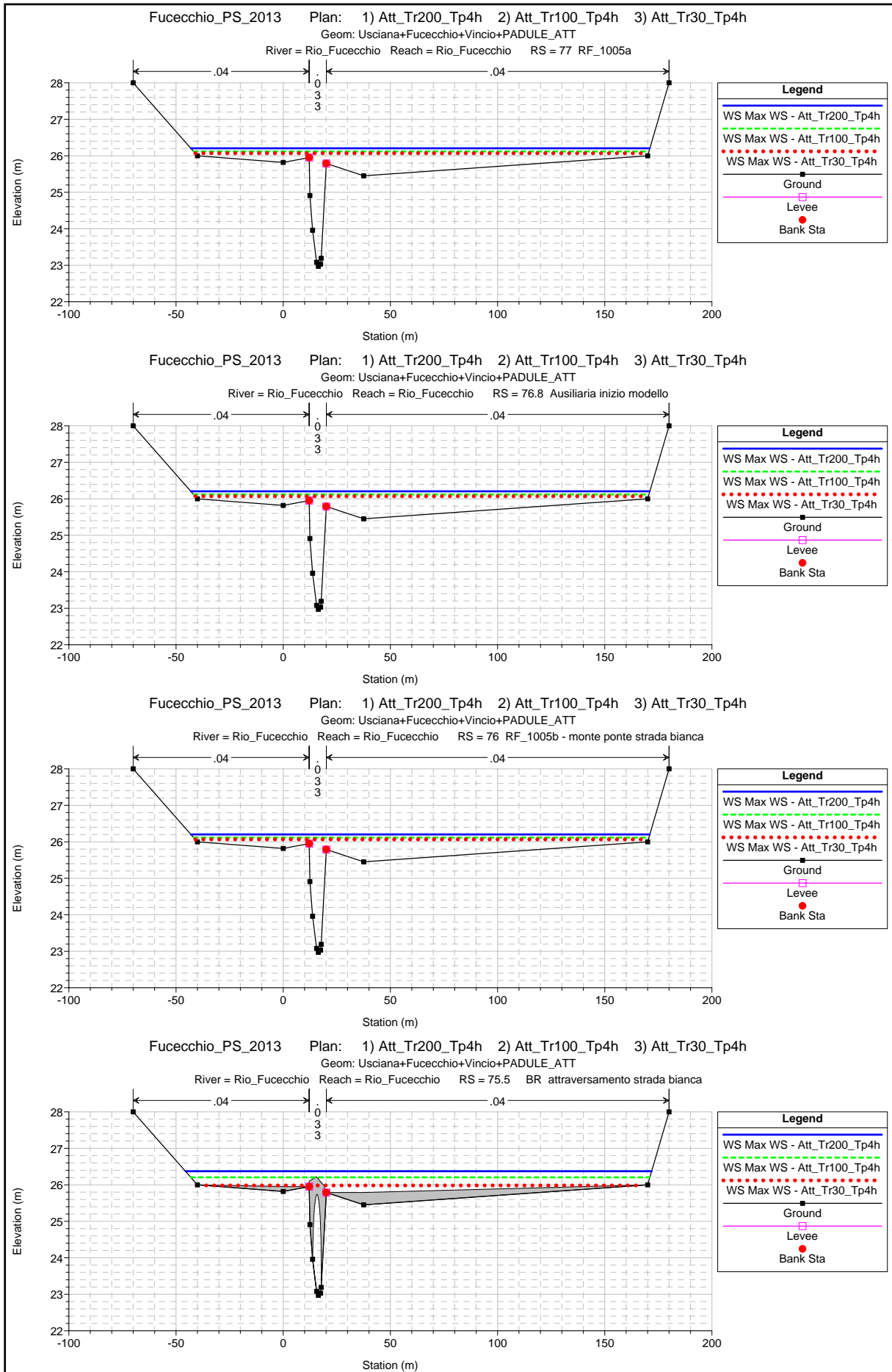
Tr 200, 100 e 30 anni

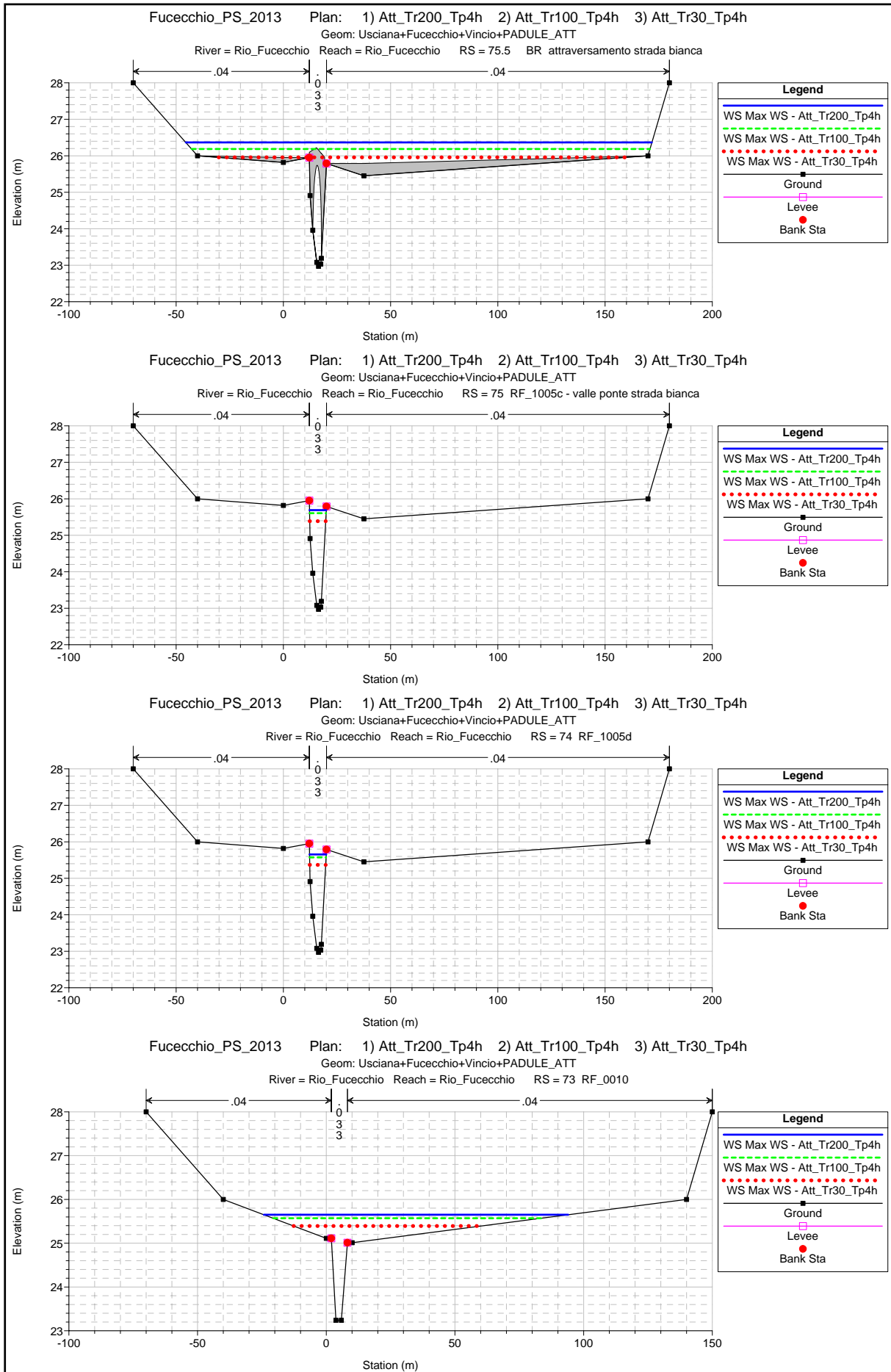
RIO DI FUCECCHIO

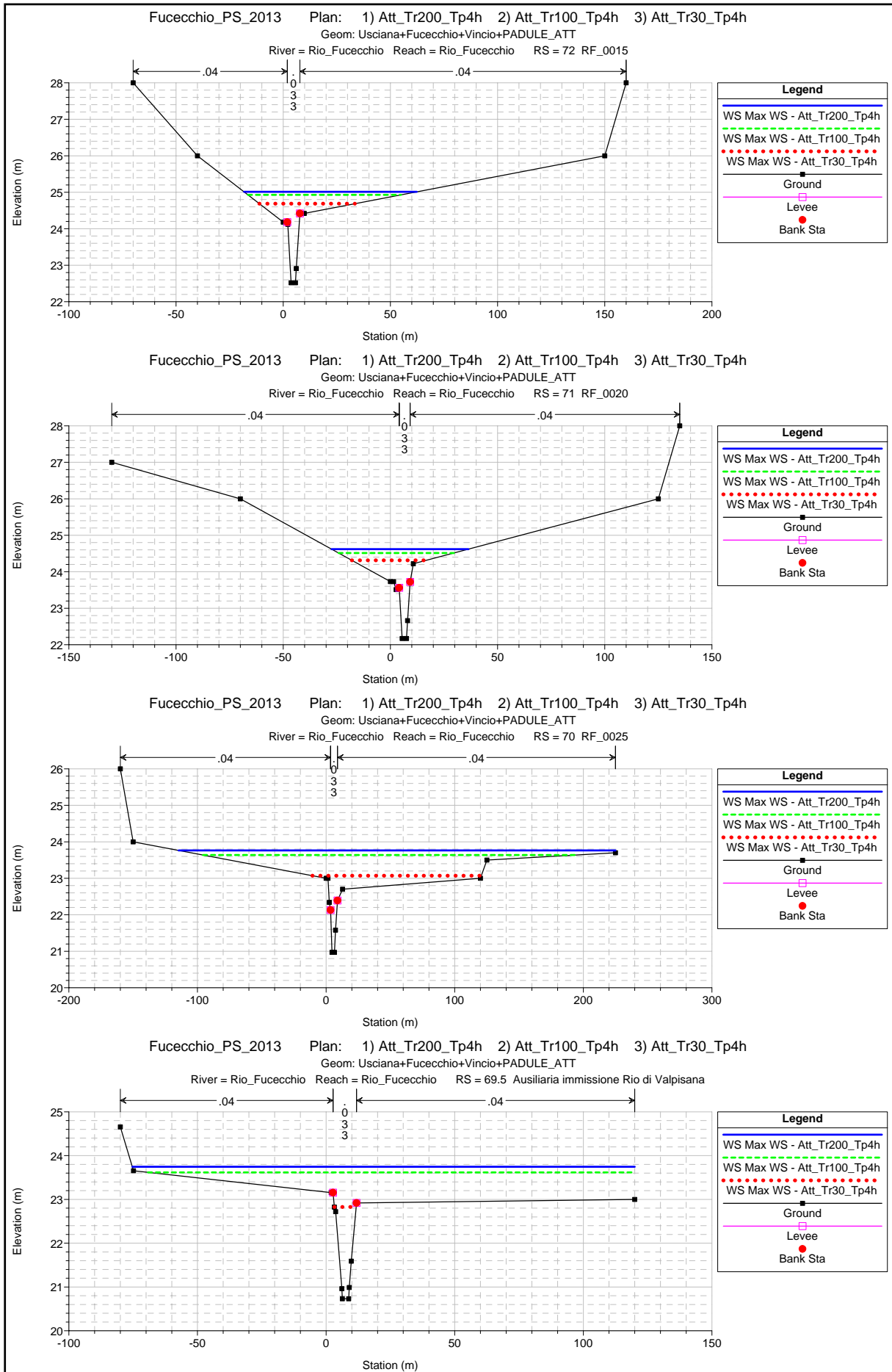
- **Profili**
- **Sezioni**
- **Tabelle di Output**

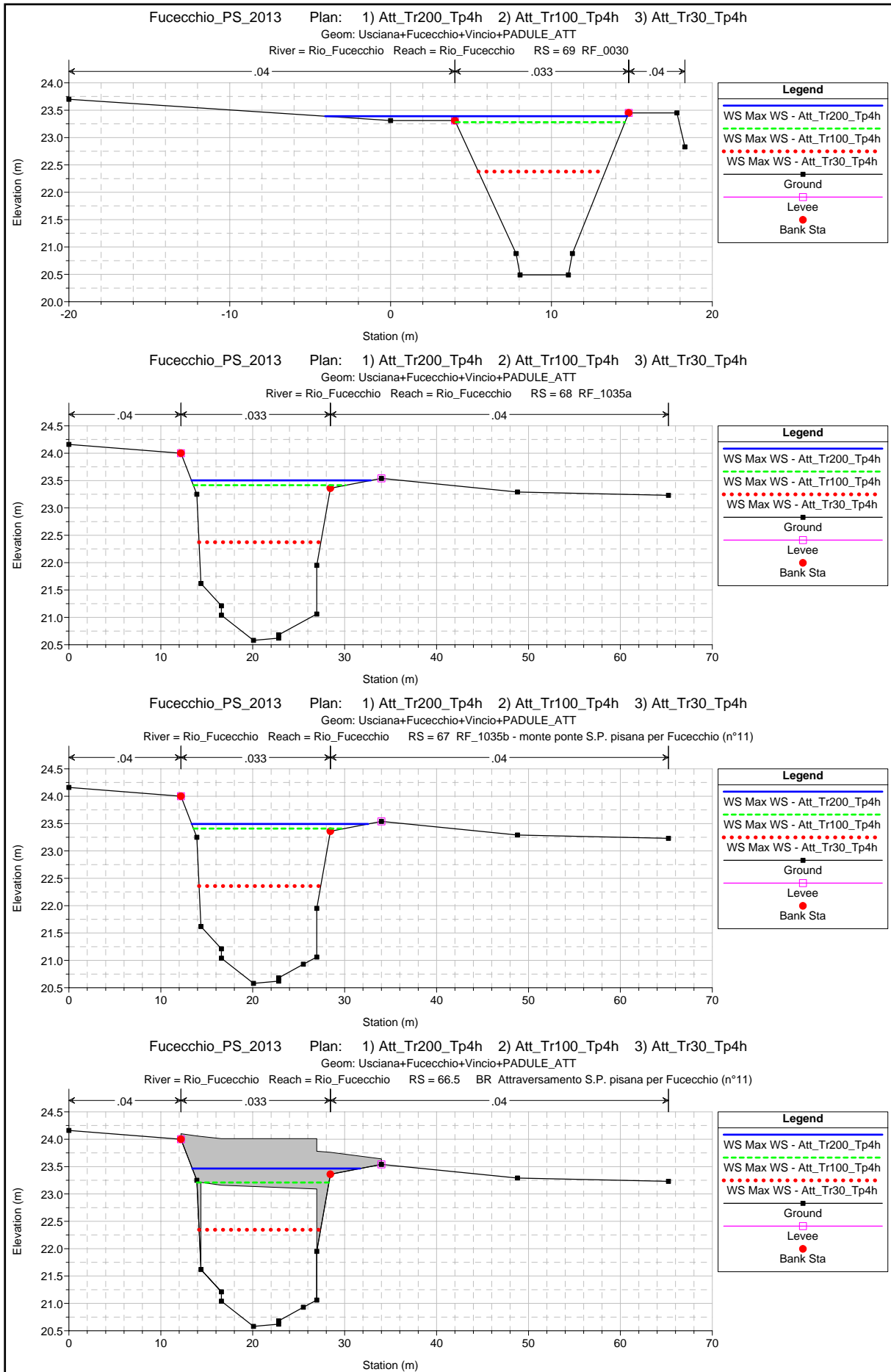
Fucecchio_PS_2013 Plan: 1) Att_Tr200_Tp4h 2) Att_Tr100_Tp4h 3) Att_Tr30_Tp4h
 Geom: Usciana+Fucecchio+Vincio+PADULE_ATT

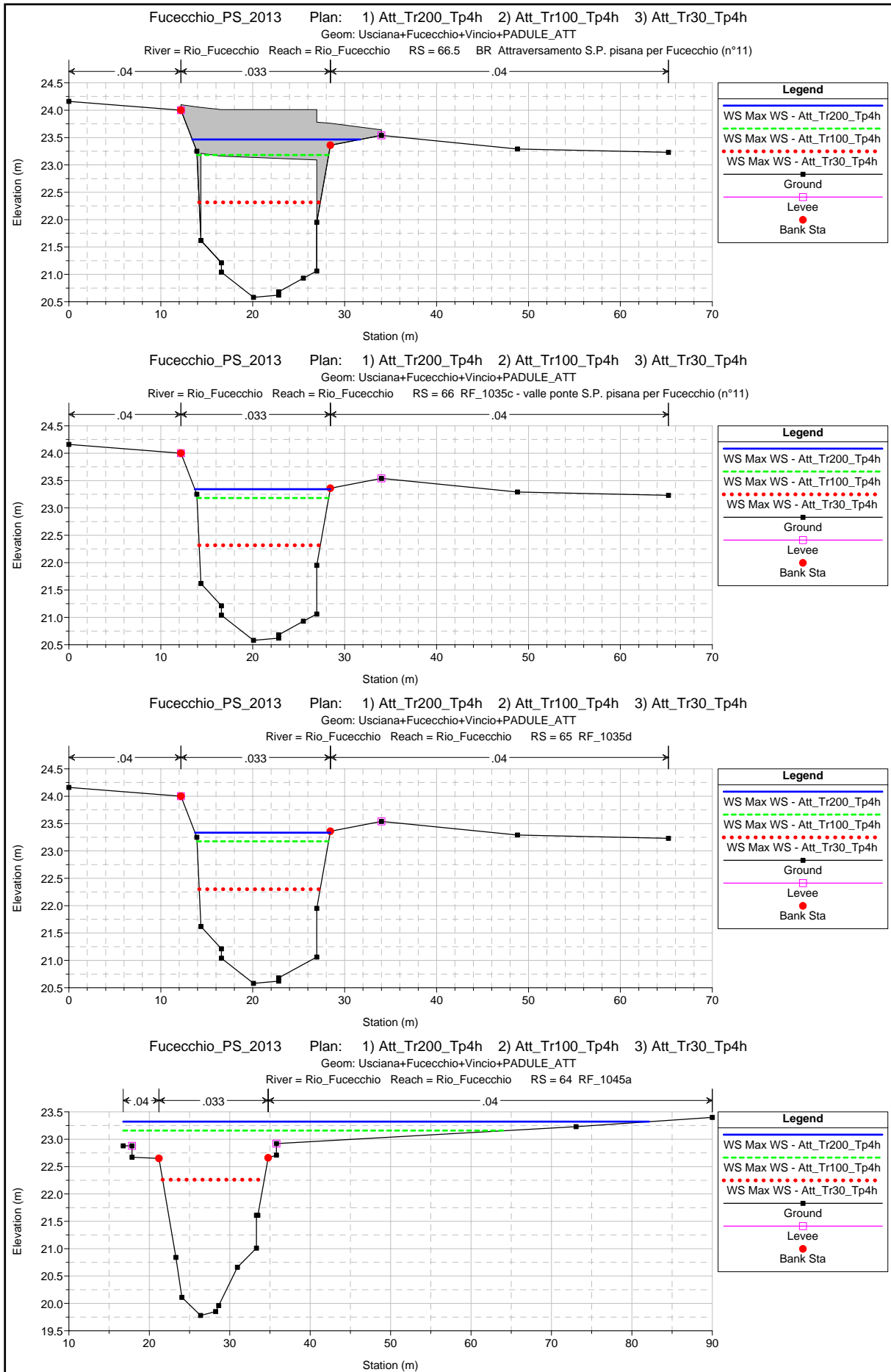


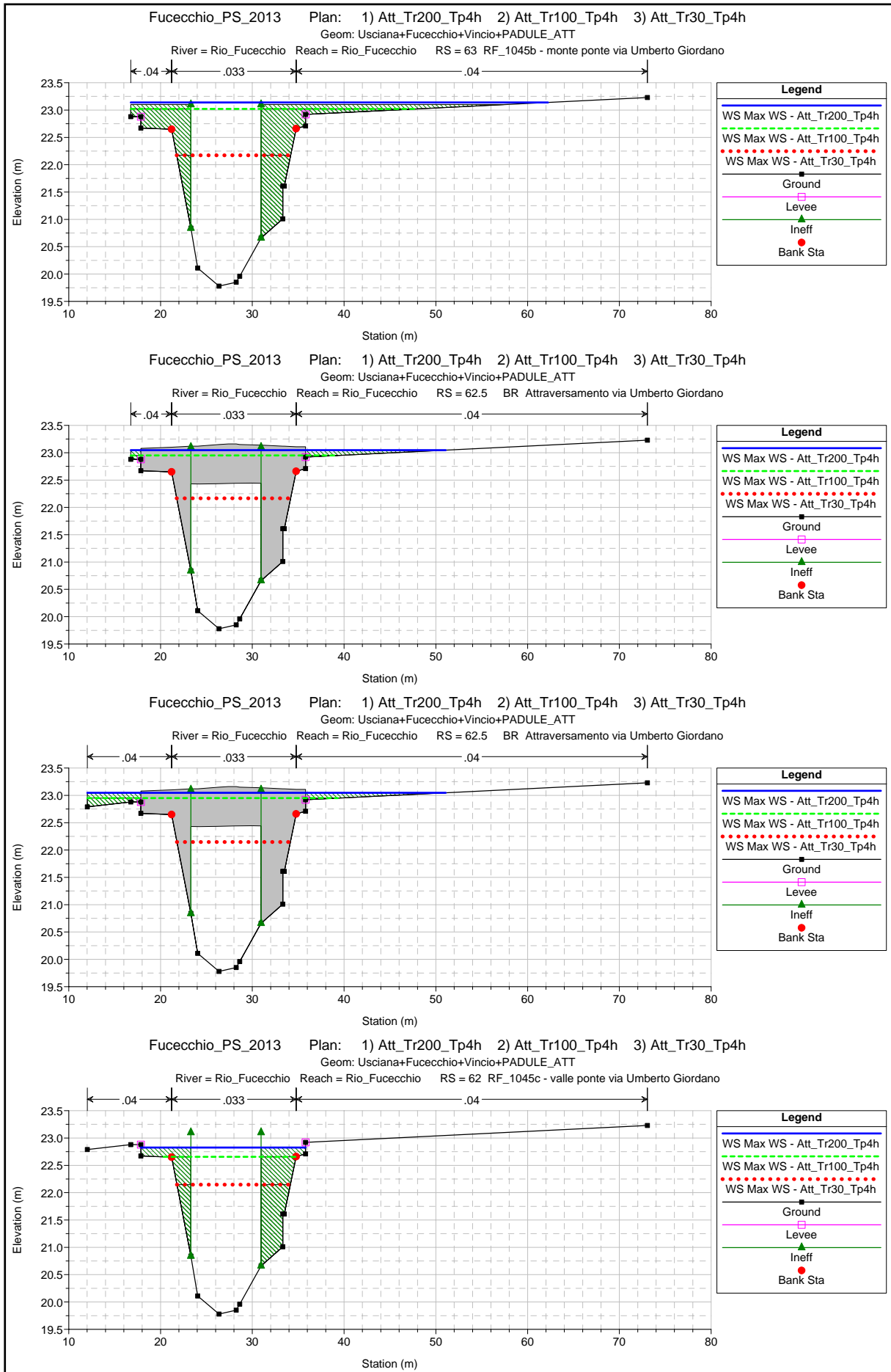


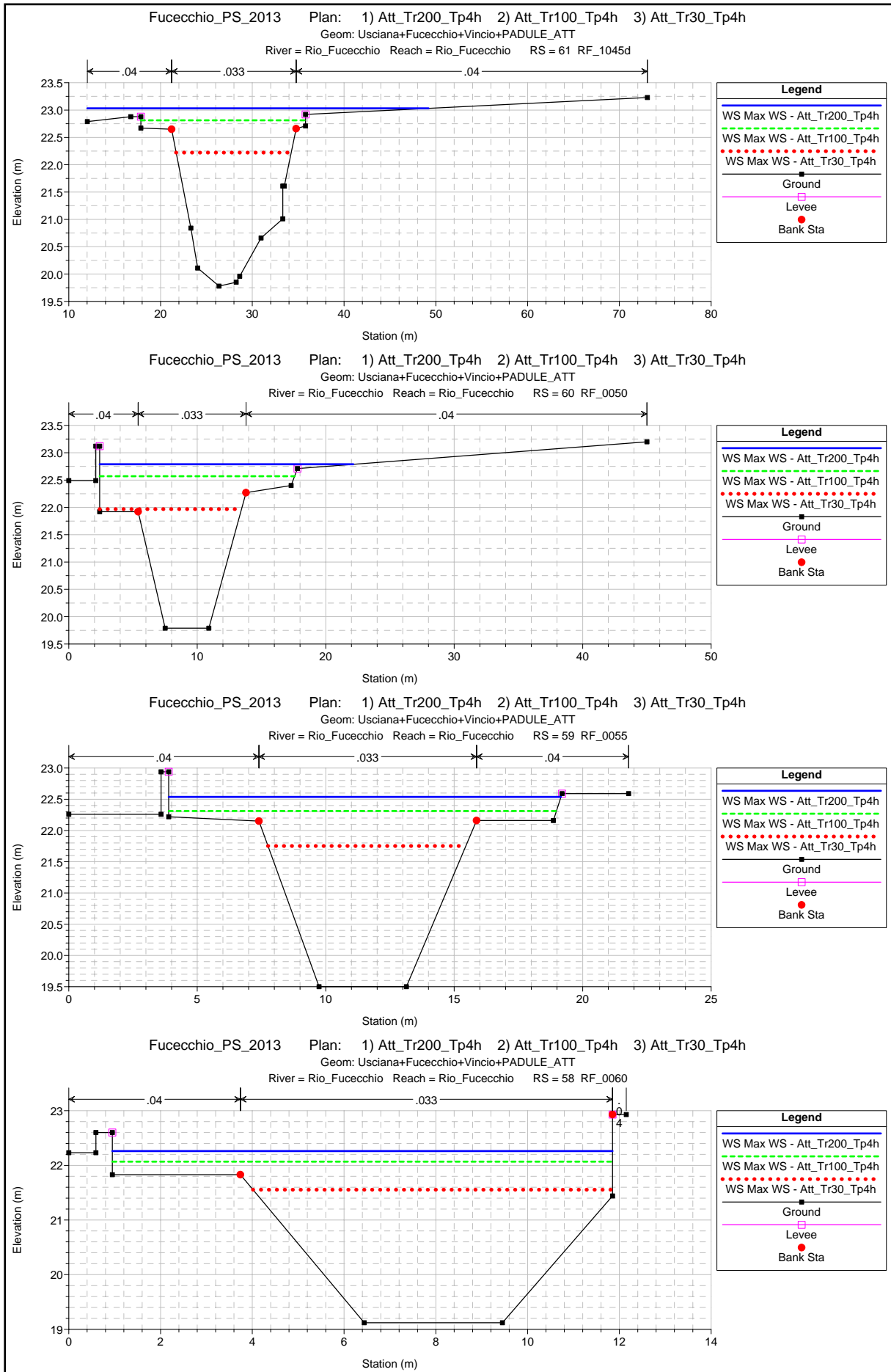


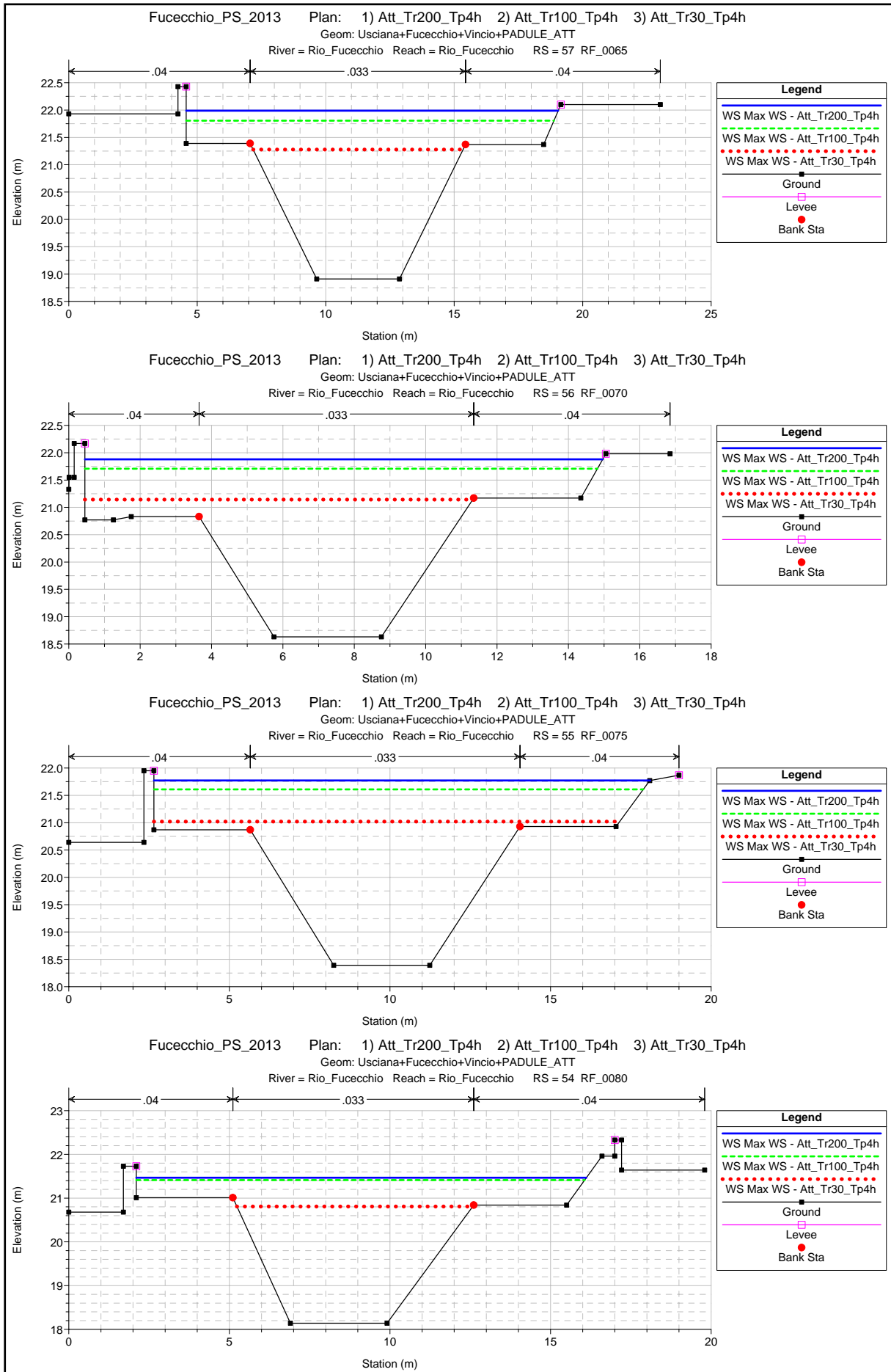


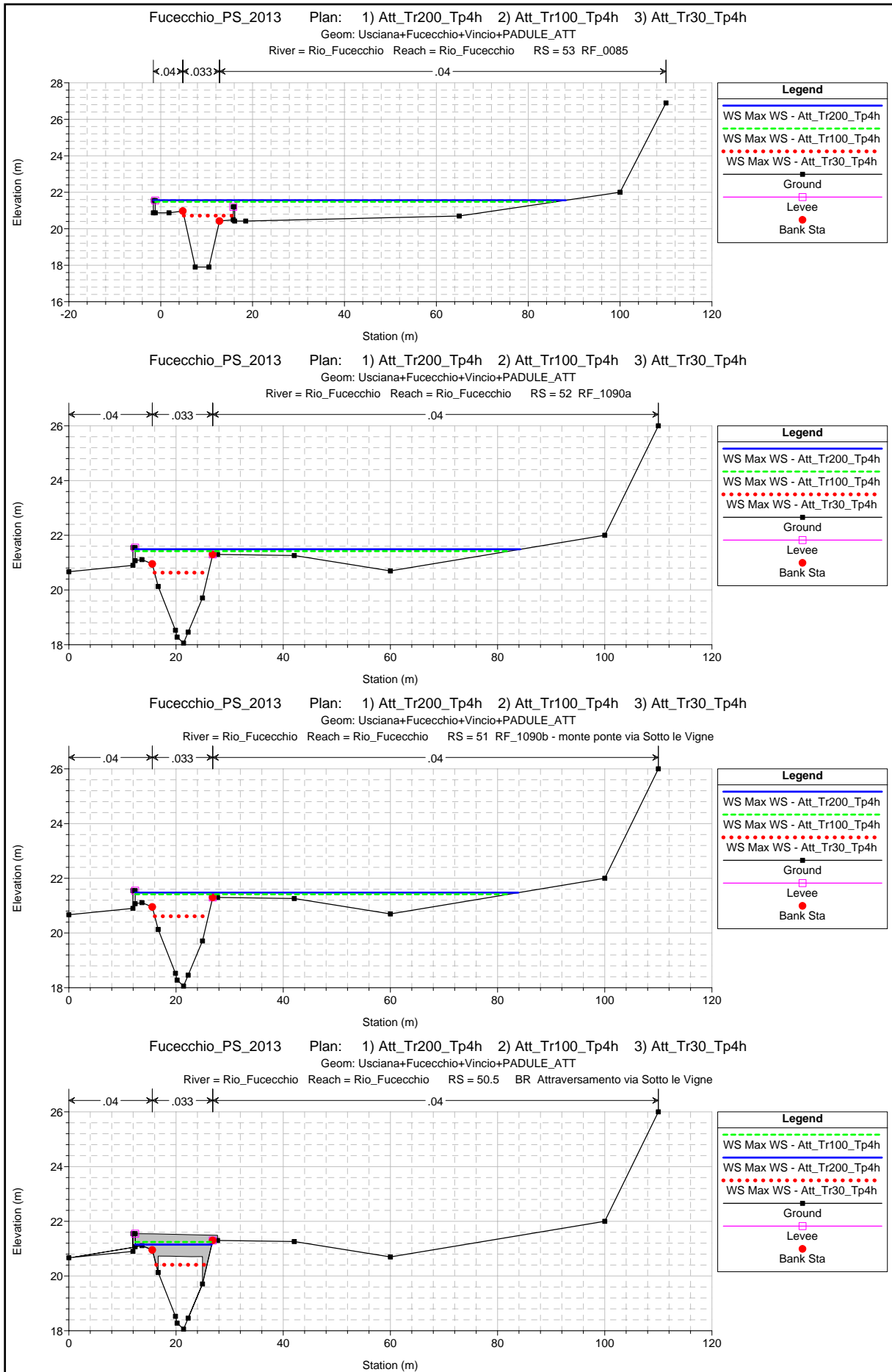


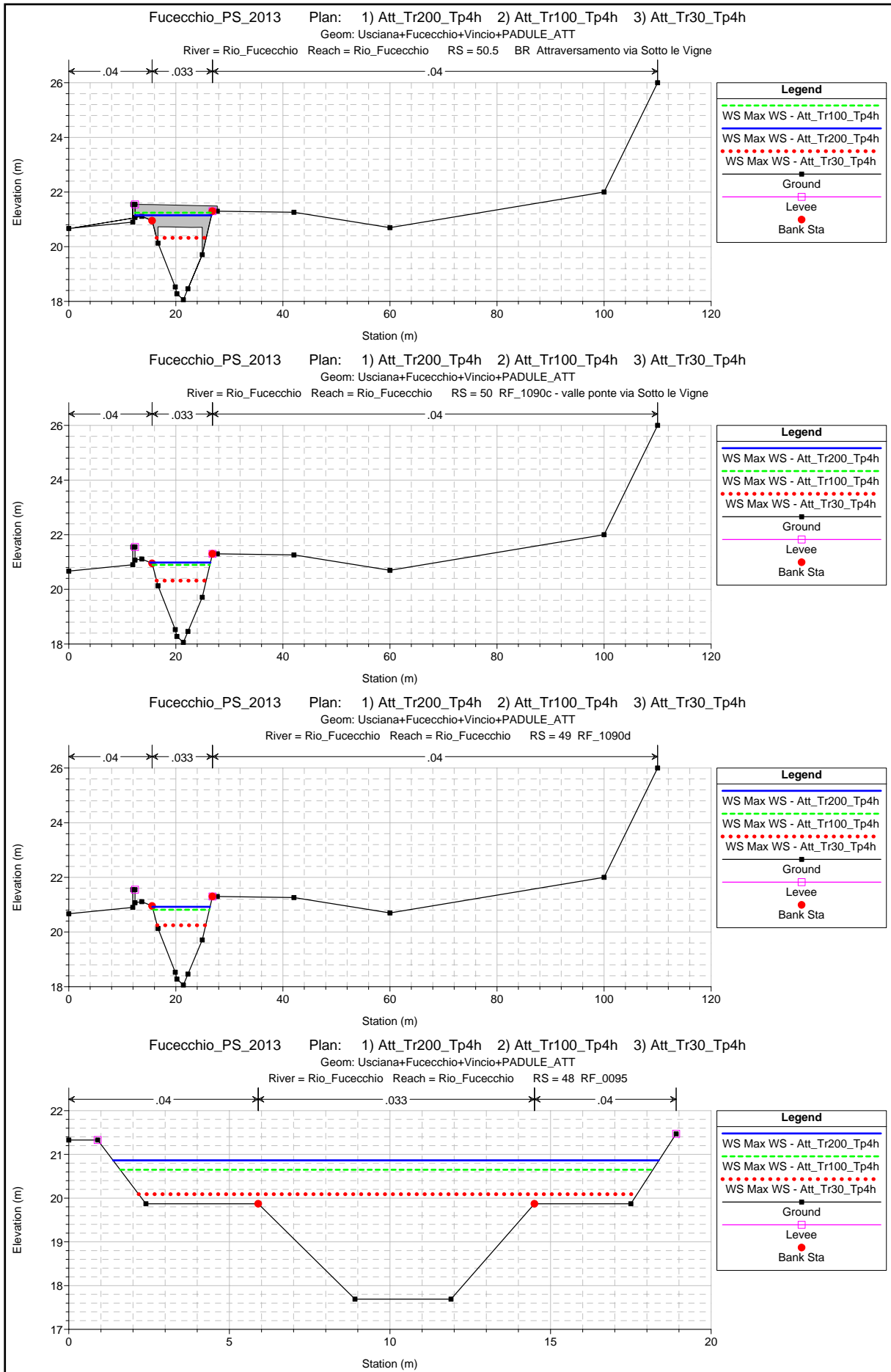


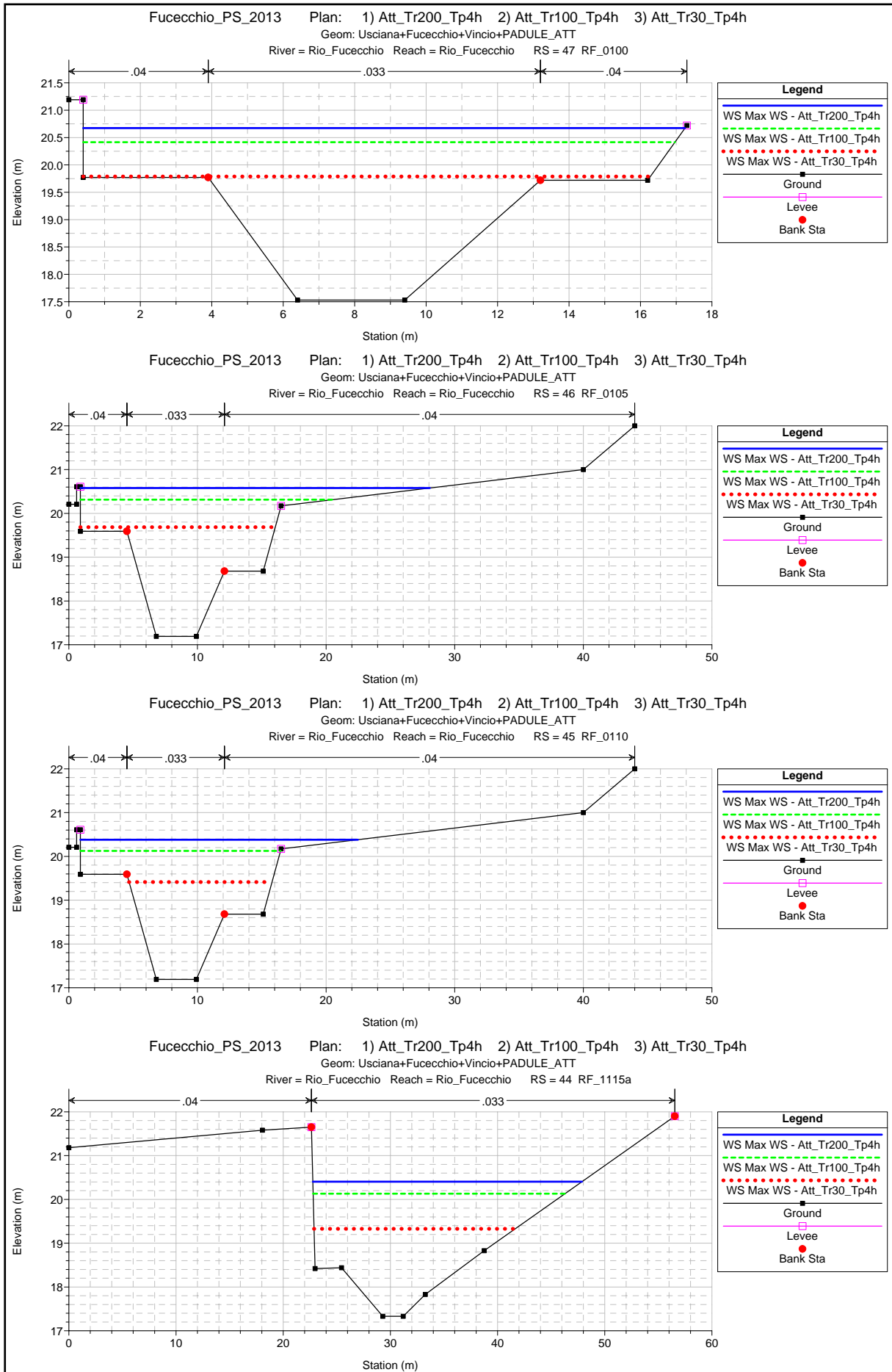


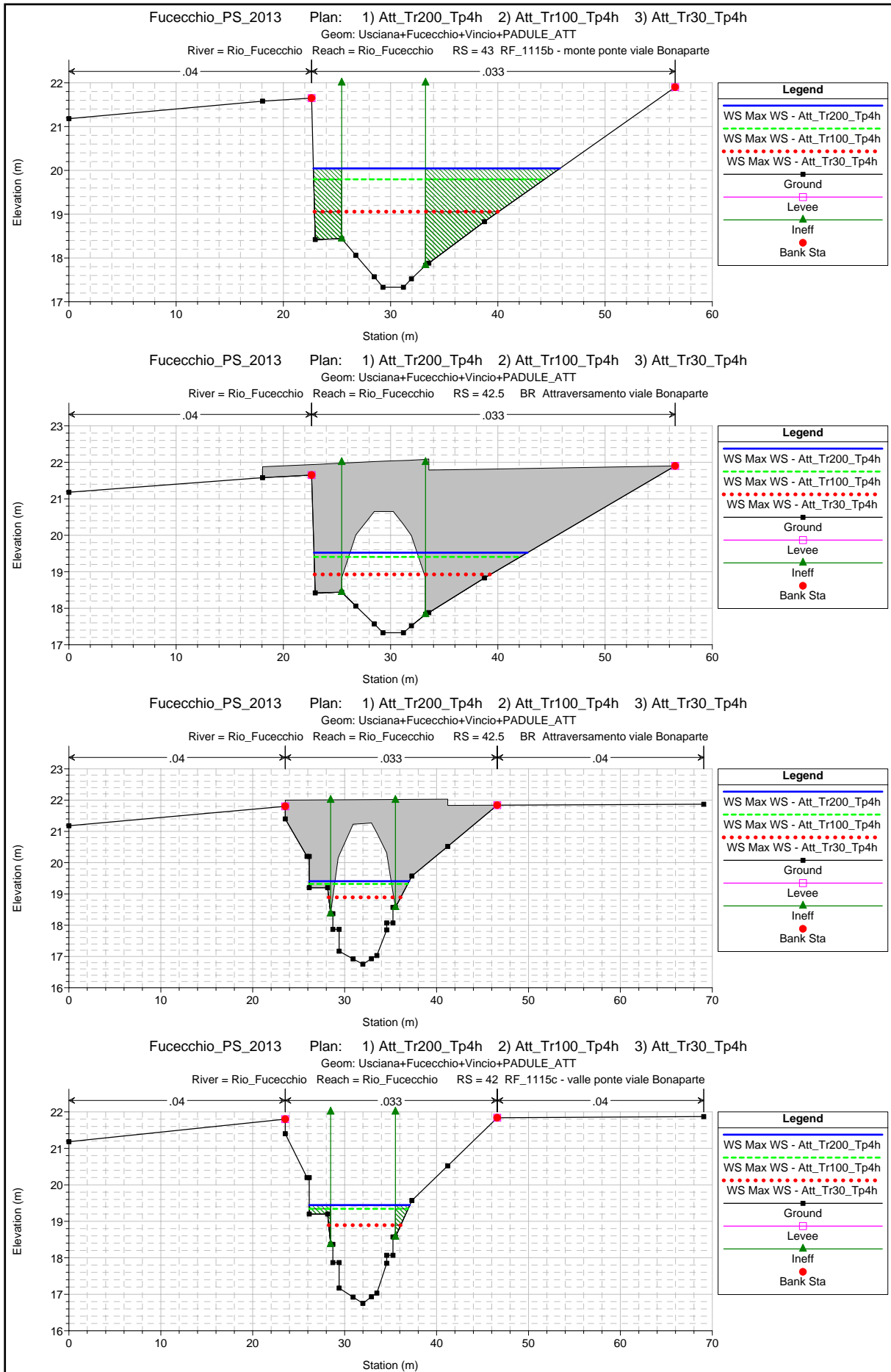


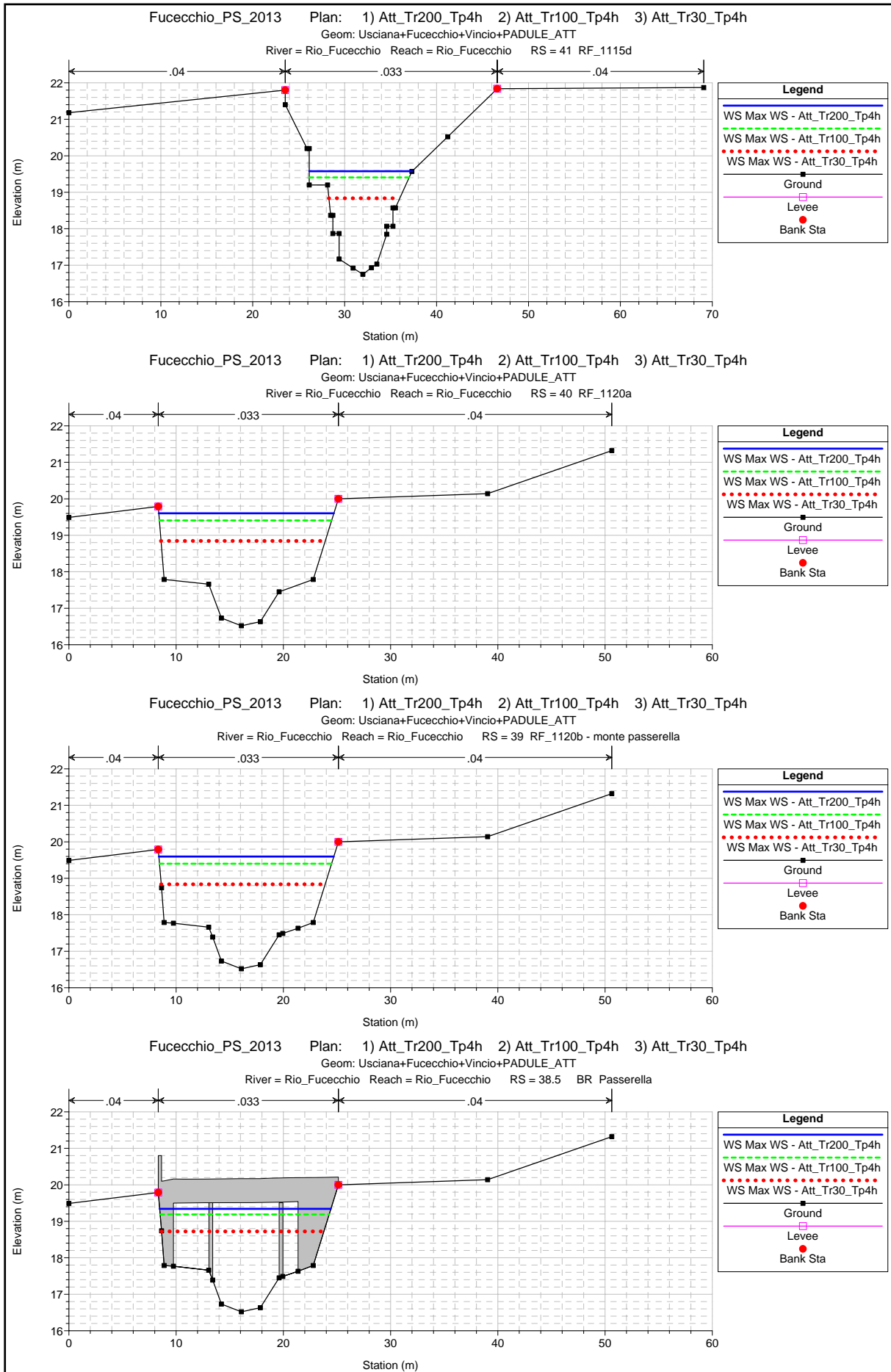


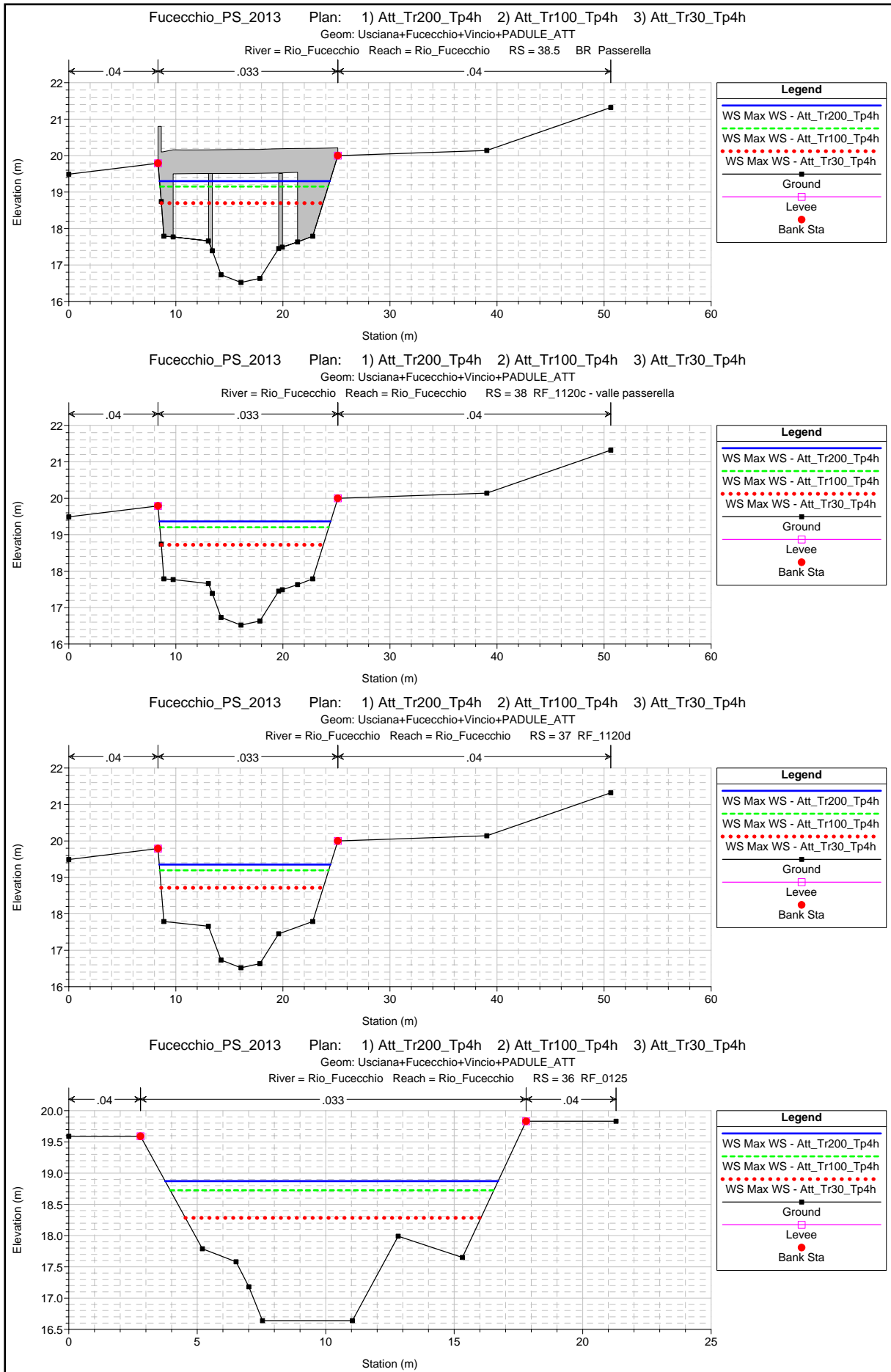


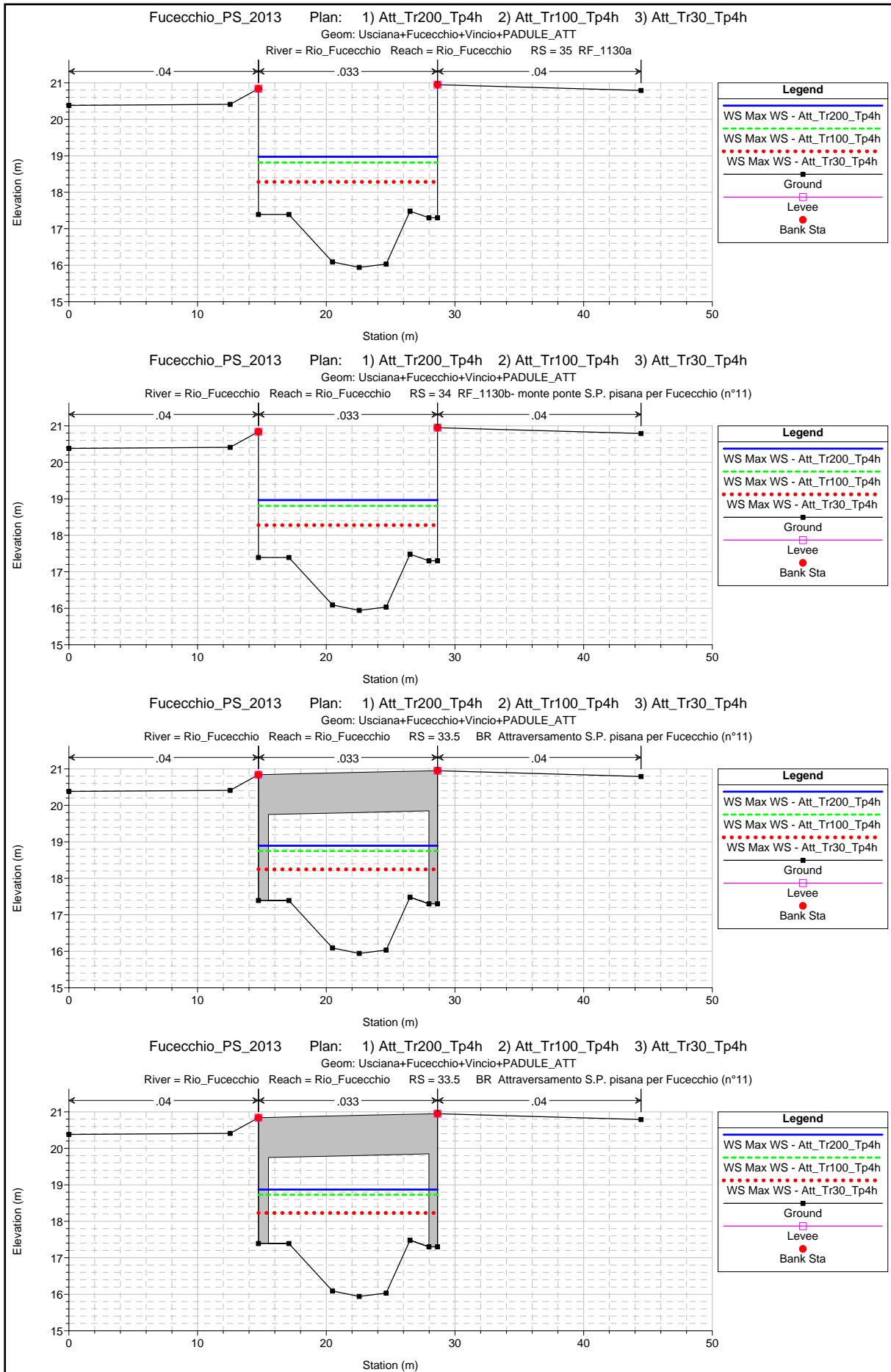


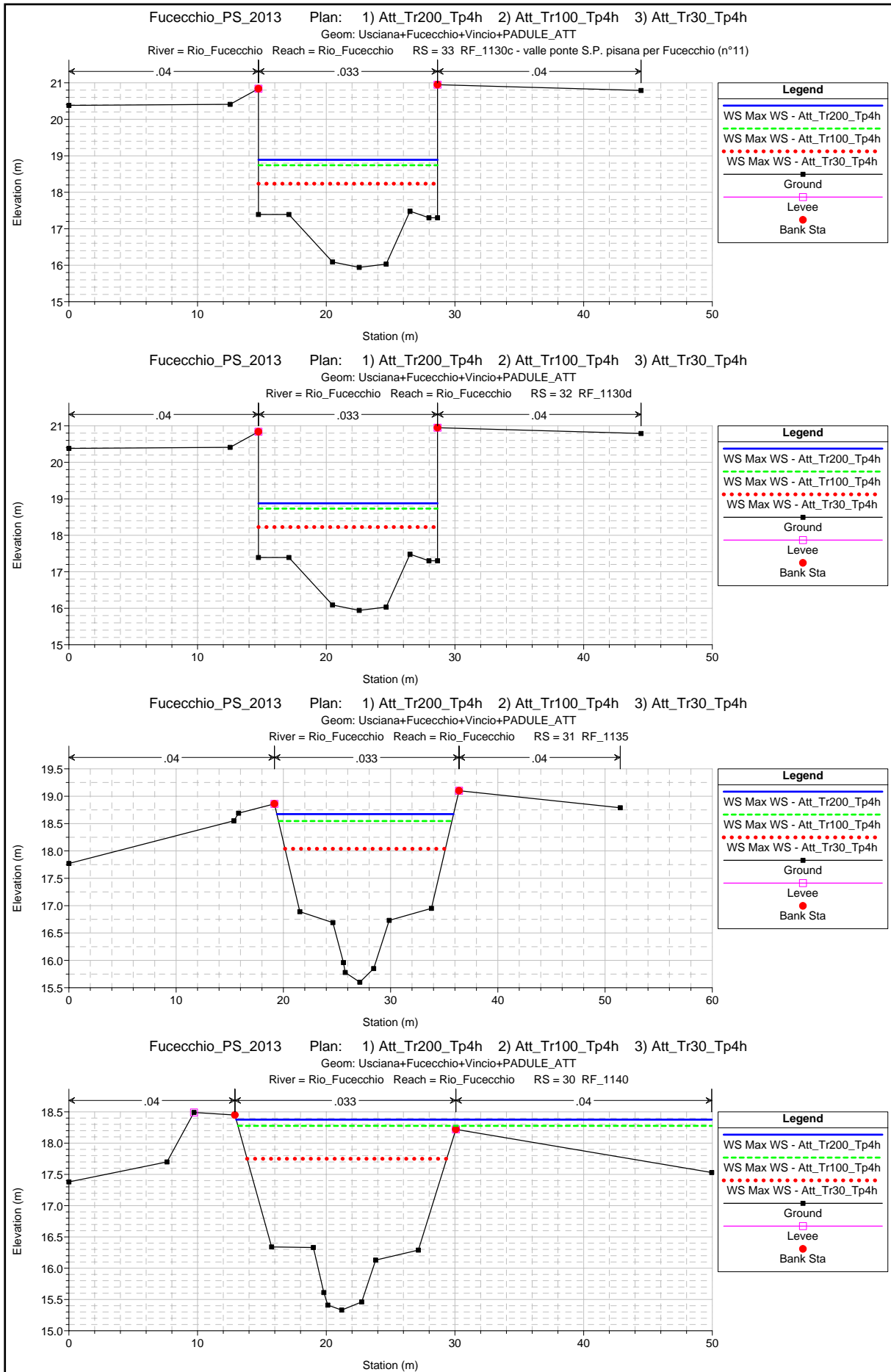


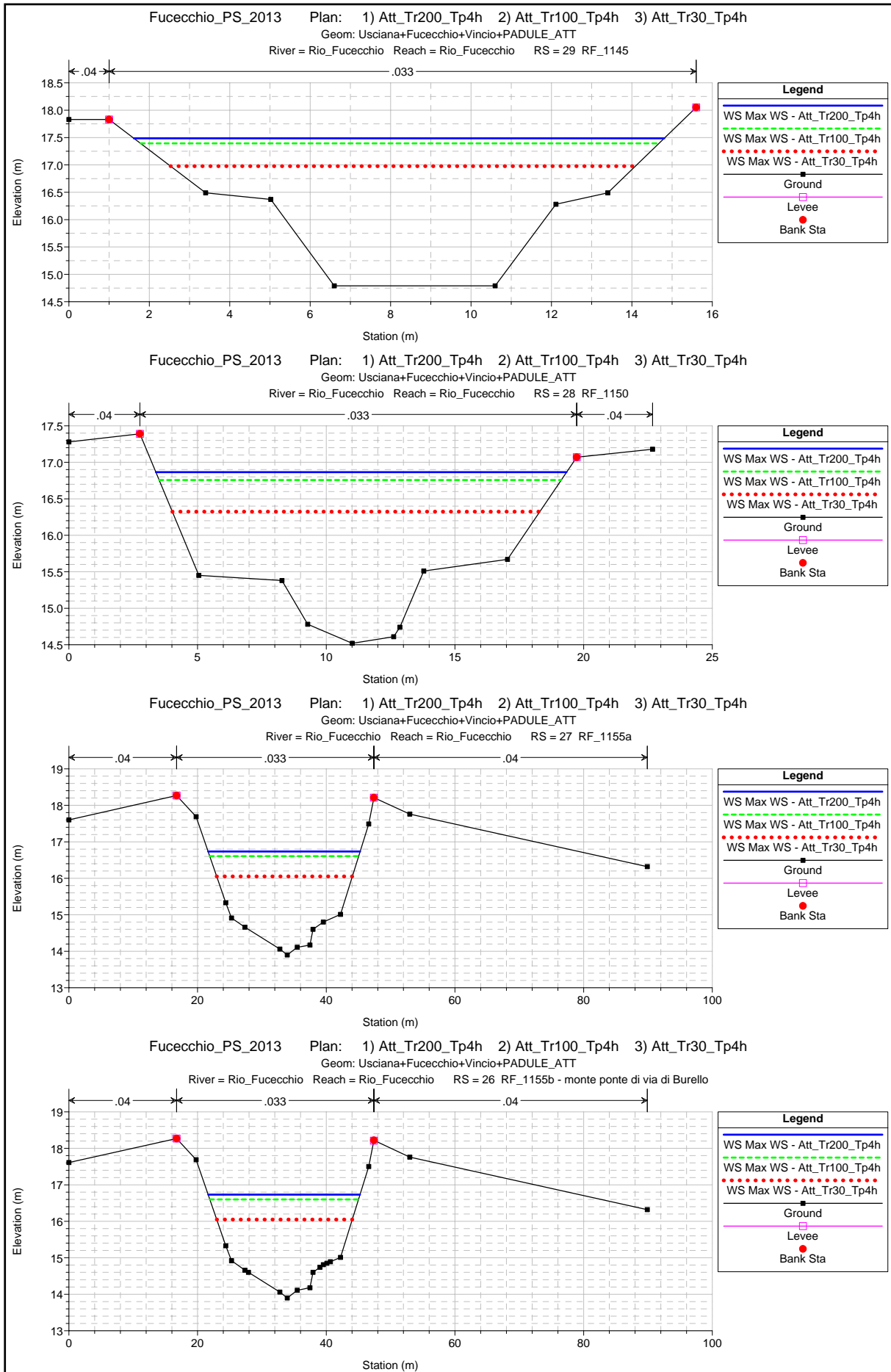


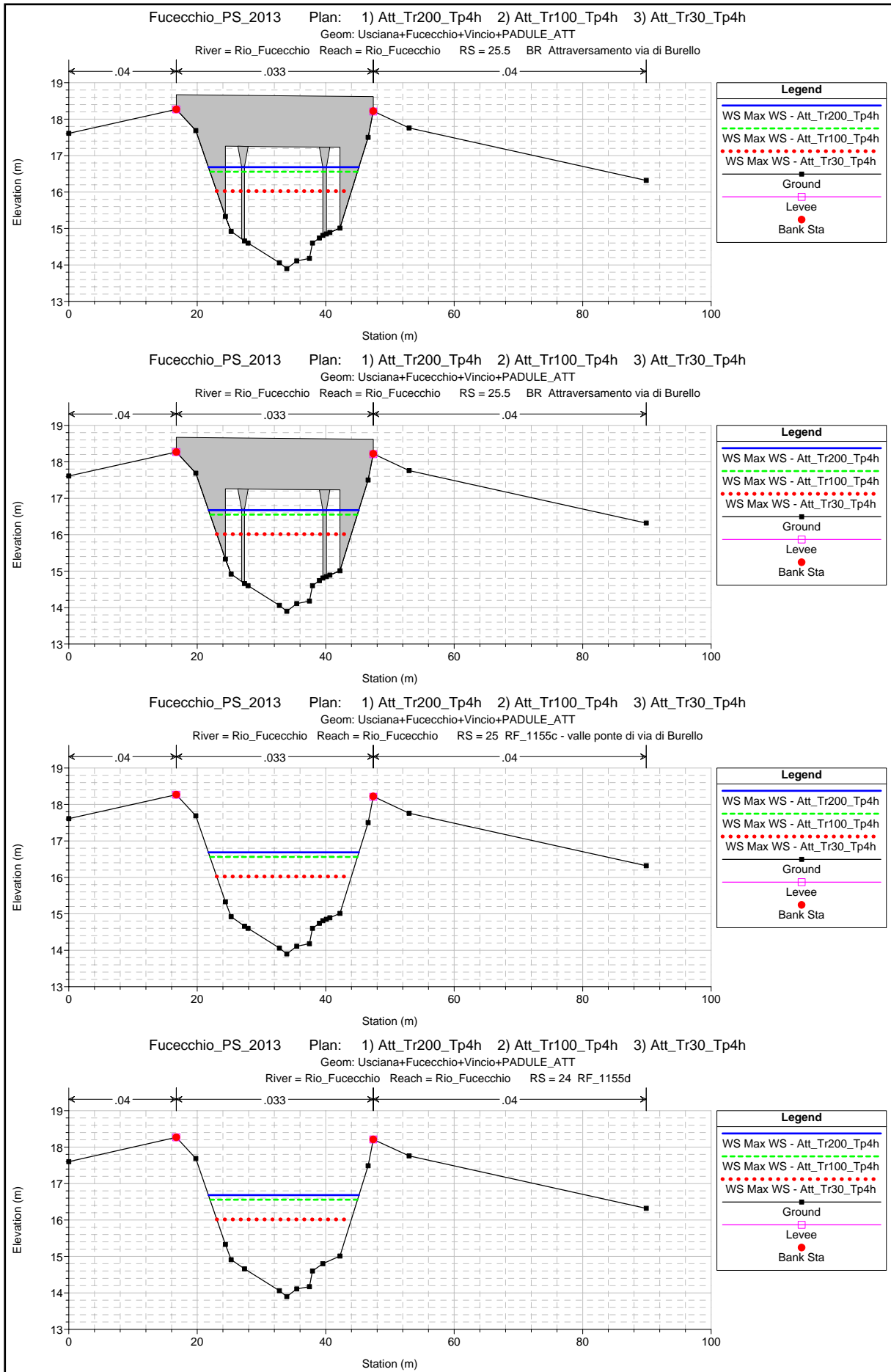


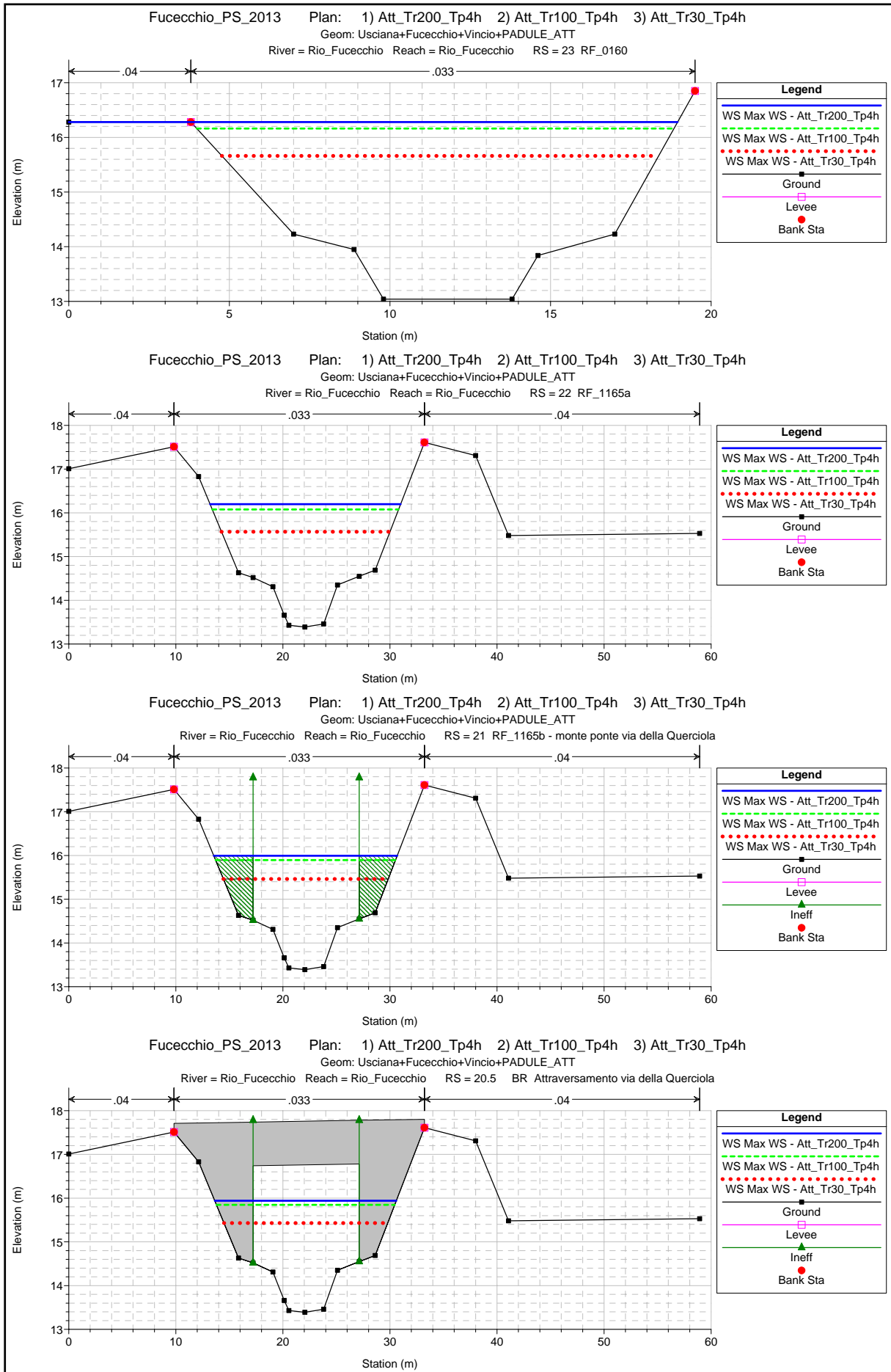


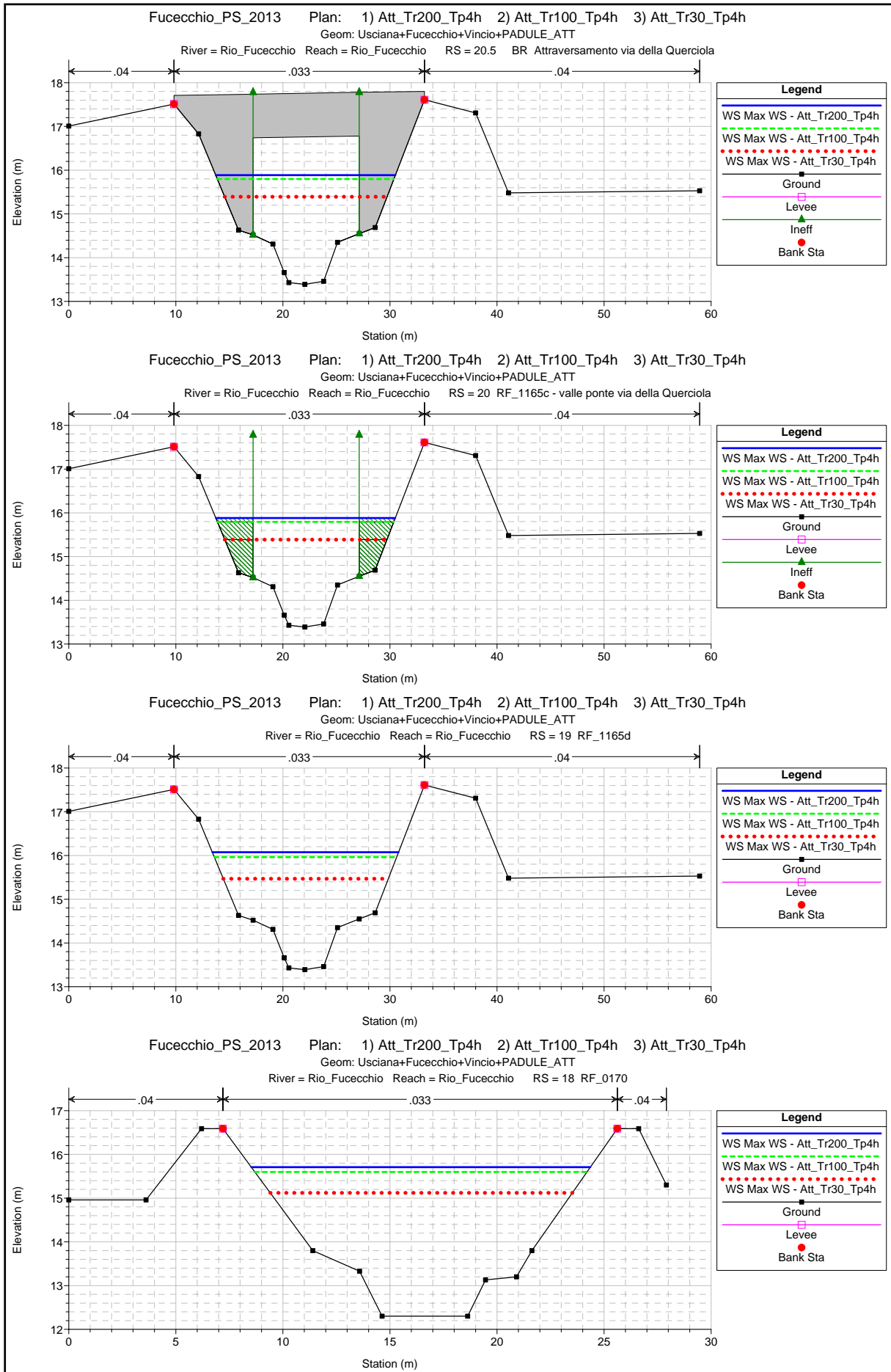


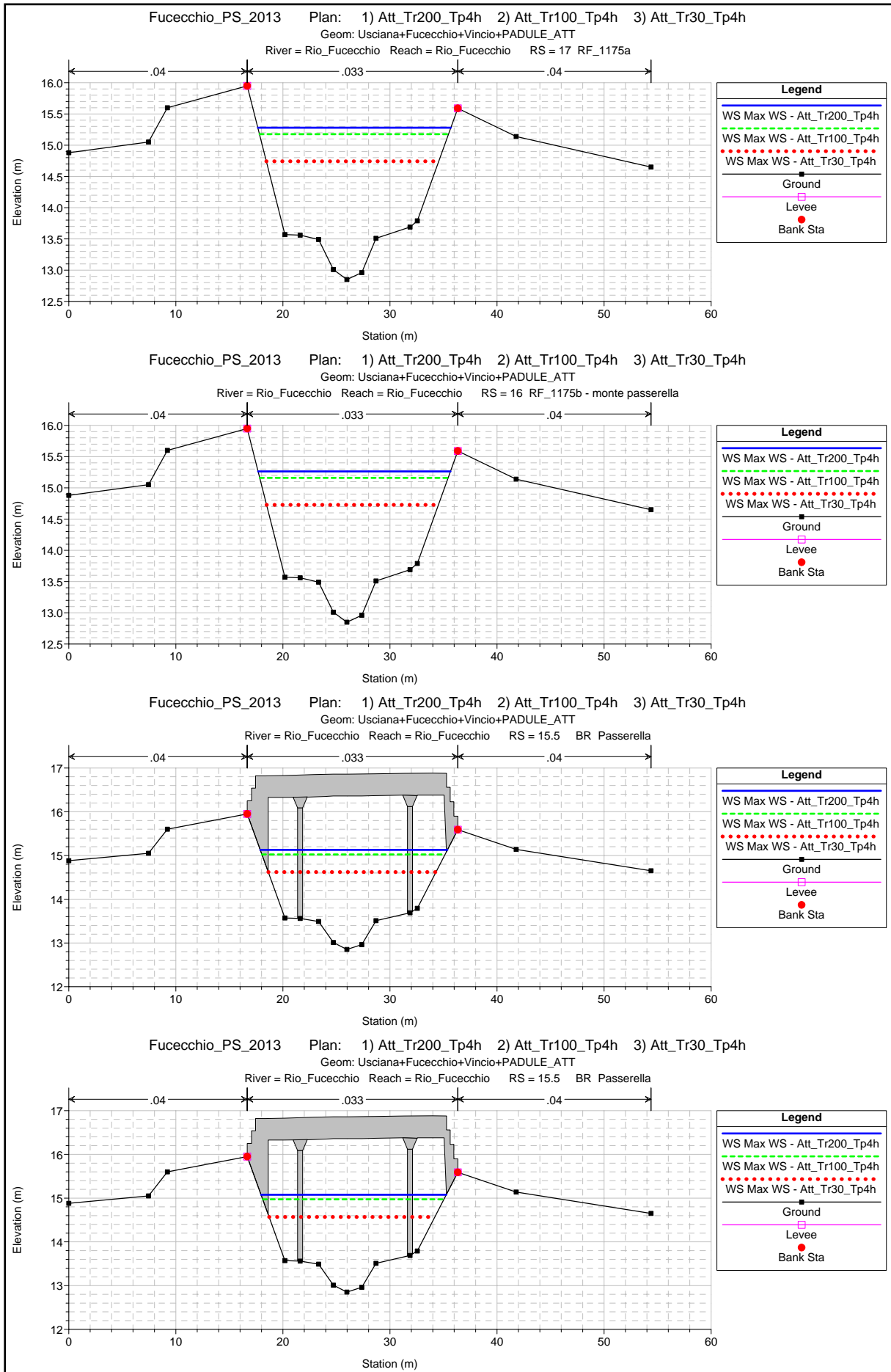


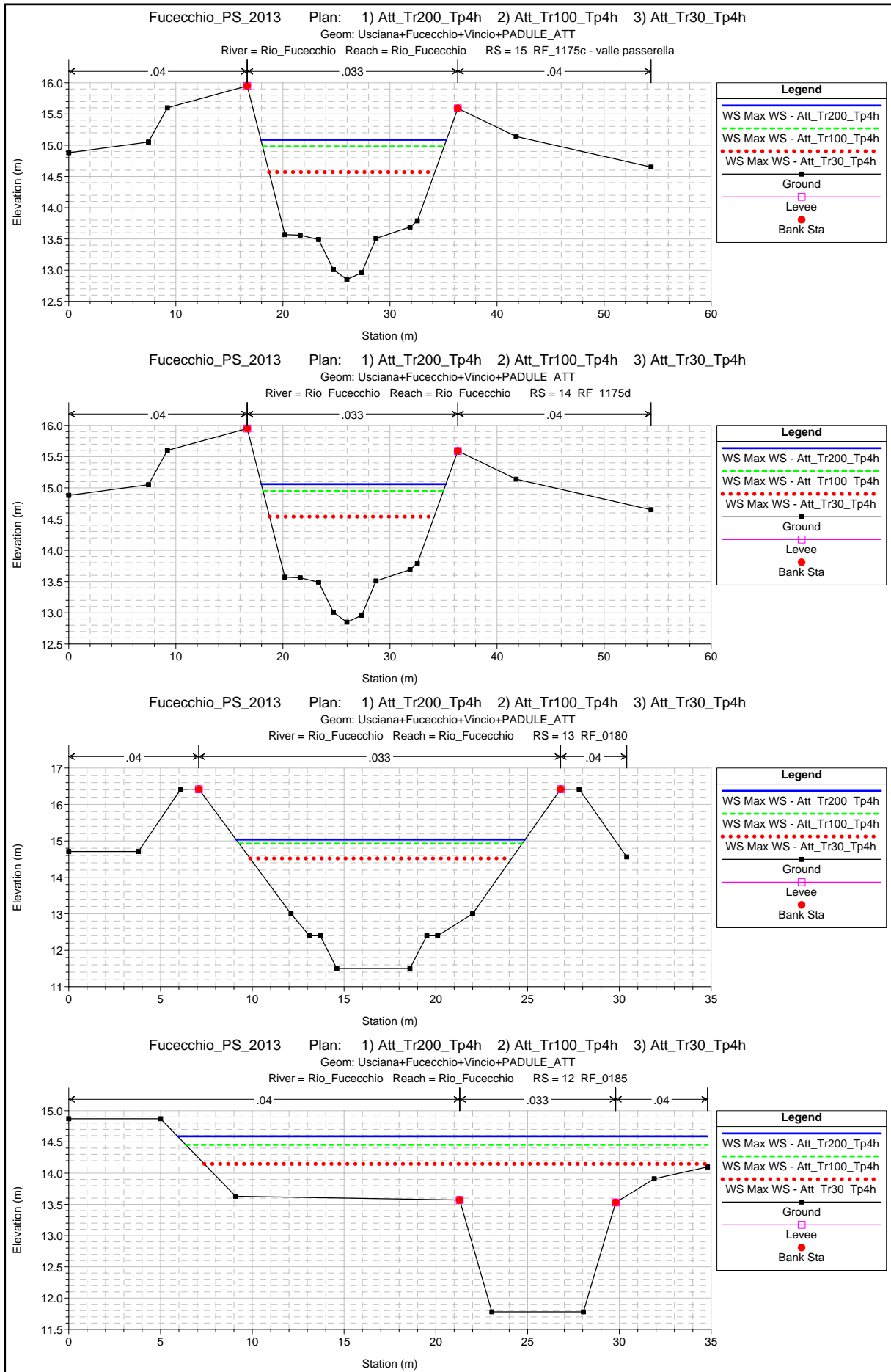


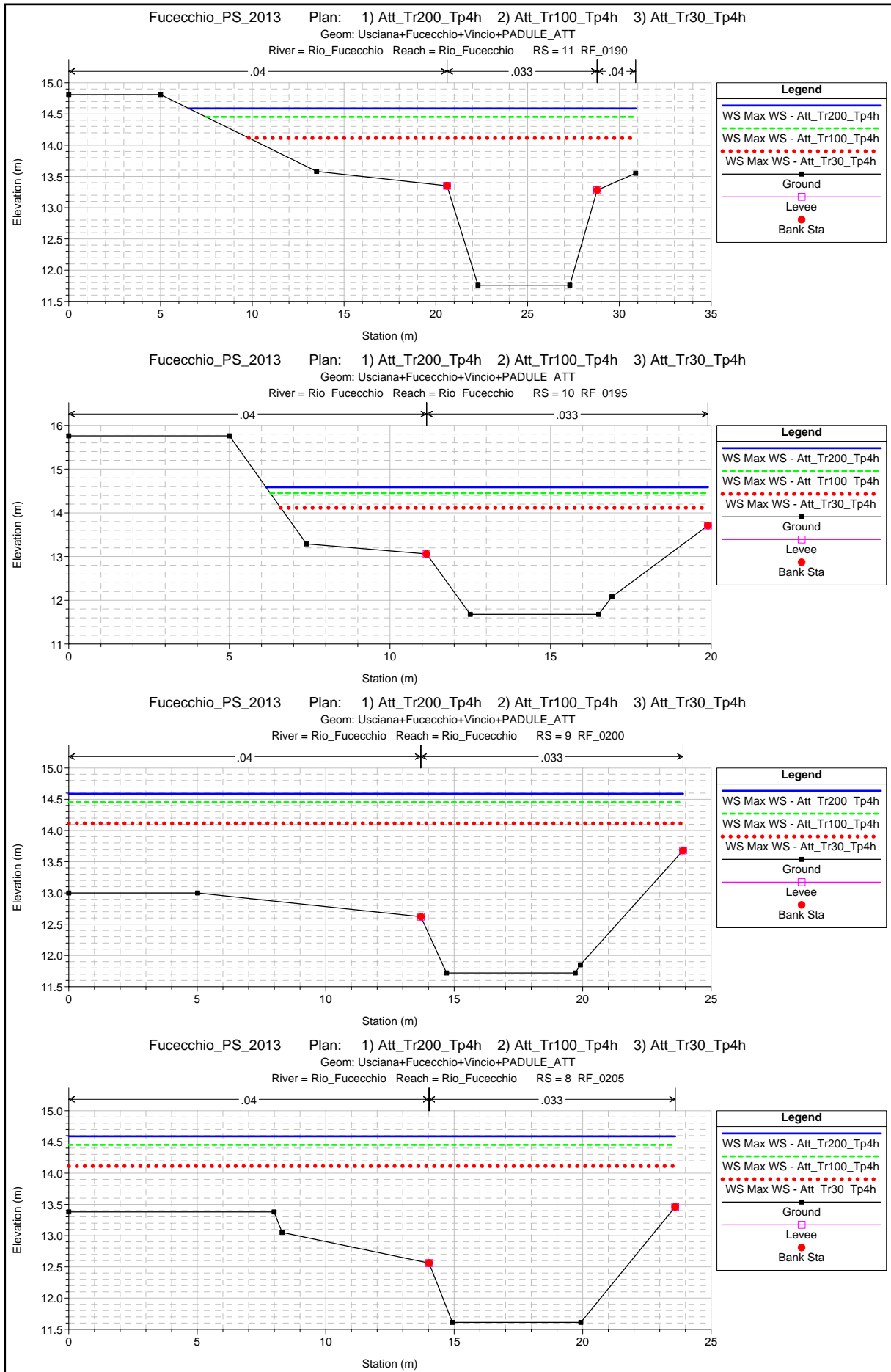


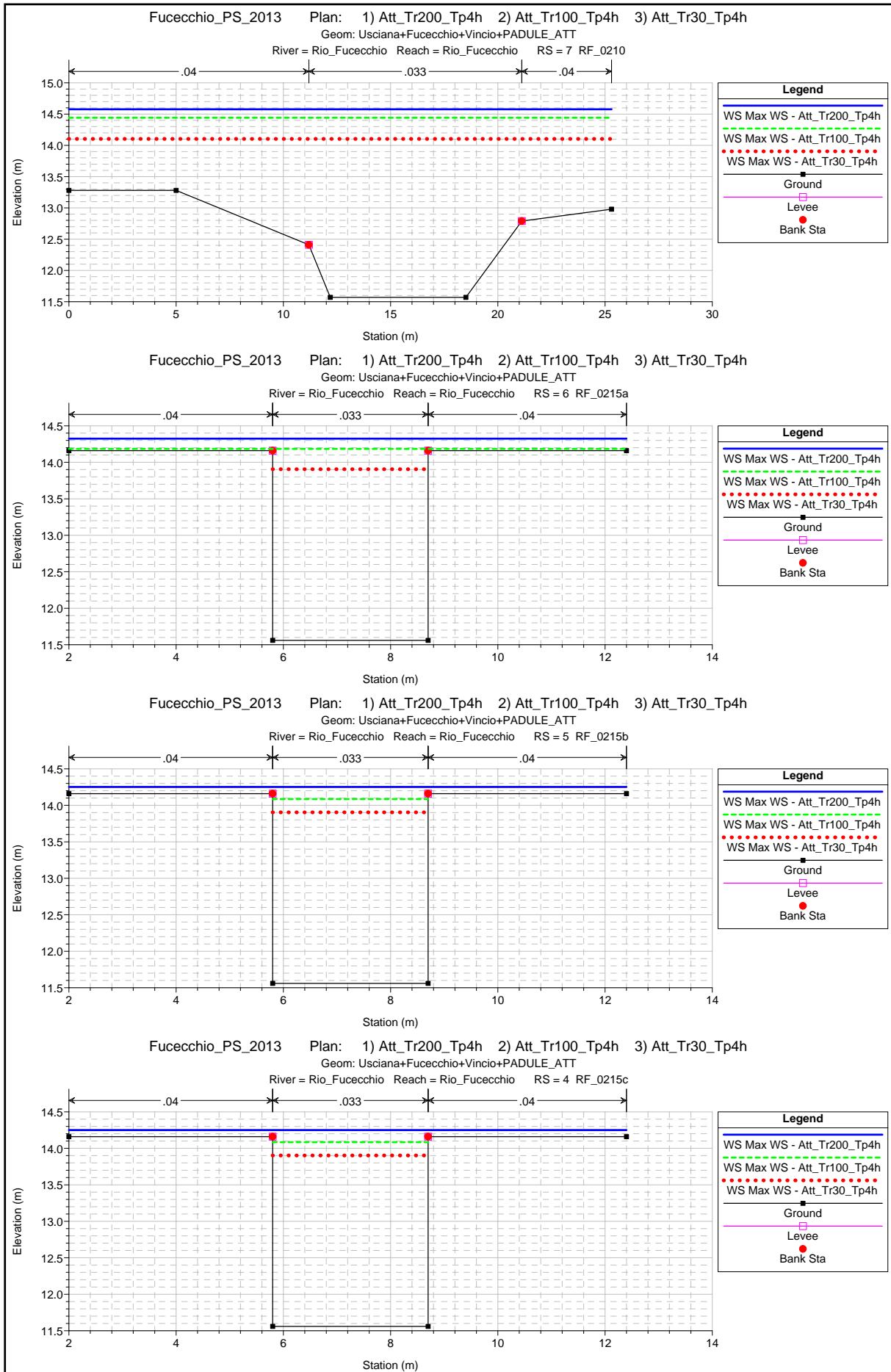


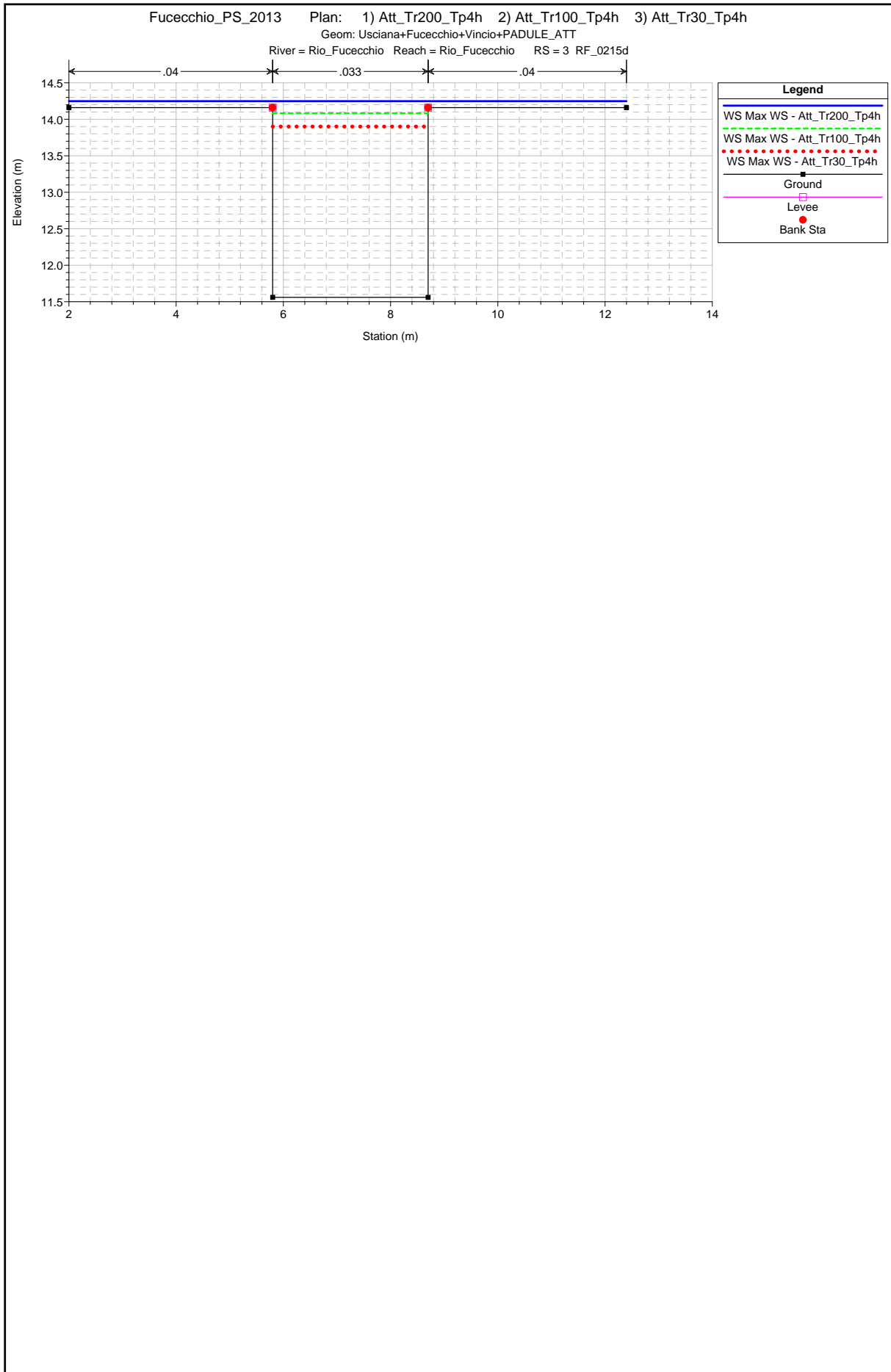












HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS

Reach	River Sta	Profile	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_Fucecchio	77	Max WS	Att_Tr200_Tp4h	50.62	22.97	26.21		26.23	0.000559	1.04	108.52	214.12	0.22
Rio_Fucecchio	77	Max WS	Att_Tr100_Tp4h	41.18	22.97	26.12		26.15	0.000588	1.04	90.00	212.38	0.22
Rio_Fucecchio	77	Max WS	Att_Tr30_Tp4h	27.54	22.97	26.07		26.09	0.000352	0.80	79.34	211.38	0.17
Rio_Fucecchio	76.8	Max WS	Att_Tr200_Tp4h	50.62	22.97	26.20		26.23	0.000562	1.05	108.26	214.10	0.22
Rio_Fucecchio	76.8	Max WS	Att_Tr100_Tp4h	41.18	22.97	26.12		26.15	0.000593	1.05	89.74	212.36	0.23
Rio_Fucecchio	76.8	Max WS	Att_Tr30_Tp4h	27.50	22.97	26.07		26.09	0.000352	0.80	79.21	211.37	0.17
Rio_Fucecchio	76	Max WS	Att_Tr200_Tp4h	46.07	22.97	26.20	25.86	26.22	0.000469	0.96	107.93	214.07	0.20
Rio_Fucecchio	76	Max WS	Att_Tr100_Tp4h	41.18	22.97	26.12	25.22	26.14	0.000599	1.05	89.35	212.32	0.23
Rio_Fucecchio	76	Max WS	Att_Tr30_Tp4h	27.45	22.97	26.07	24.83	26.08	0.000353	0.80	78.95	211.34	0.17
Rio_Fucecchio	75.5			Bridge									
Rio_Fucecchio	75	Max WS	Att_Tr200_Tp4h	50.62	22.97	25.69		26.33	0.008537	3.54	14.30	7.85	0.84
Rio_Fucecchio	75	Max WS	Att_Tr100_Tp4h	41.18	22.97	25.61		26.07	0.006435	3.02	13.64	7.74	0.73
Rio_Fucecchio	75	Max WS	Att_Tr30_Tp4h	22.86	22.97	25.39		25.57	0.002841	1.91	11.98	7.46	0.48
Rio_Fucecchio	74	Max WS	Att_Tr200_Tp4h	50.62	22.97	25.66		26.32	0.008996	3.61	14.03	7.80	0.86
Rio_Fucecchio	74	Max WS	Att_Tr100_Tp4h	41.18	22.97	25.57		26.06	0.006758	3.07	13.40	7.70	0.74
Rio_Fucecchio	74	Max WS	Att_Tr30_Tp4h	22.86	22.97	25.37		25.56	0.002934	1.93	11.84	7.44	0.49
Rio_Fucecchio	73	Max WS	Att_Tr200_Tp4h	50.62	23.24	25.65		25.80	0.003447	2.31	46.95	118.24	0.55
Rio_Fucecchio	73	Max WS	Att_Tr100_Tp4h	41.18	23.24	25.57		25.73	0.003428	2.24	37.97	104.01	0.54
Rio_Fucecchio	73	Max WS	Att_Tr30_Tp4h	28.72	23.24	25.39		25.60	0.004052	2.26	22.41	73.02	0.58
Rio_Fucecchio	72	Max WS	Att_Tr200_Tp4h	50.62	22.52	25.01		25.23	0.004380	2.64	36.92	80.57	0.62
Rio_Fucecchio	72	Max WS	Att_Tr100_Tp4h	41.18	22.52	24.93		25.14	0.004123	2.48	30.62	71.39	0.59
Rio_Fucecchio	72	Max WS	Att_Tr30_Tp4h	27.63	22.52	24.69		24.96	0.005129	2.51	16.56	44.53	0.65
Rio_Fucecchio	71	Max WS	Att_Tr200_Tp4h	50.62	22.17	24.62		24.88	0.004629	2.85	32.58	63.85	0.64
Rio_Fucecchio	71	Max WS	Att_Tr100_Tp4h	41.18	22.17	24.51		24.77	0.004510	2.71	26.34	53.77	0.63
Rio_Fucecchio	71	Max WS	Att_Tr30_Tp4h	27.63	22.17	24.31		24.54	0.004130	2.41	17.48	34.74	0.59
Rio_Fucecchio	70	Max WS	Att_Tr200_Tp4h	50.62	20.97	23.76		23.77	0.000230	0.73	182.06	339.66	0.15
Rio_Fucecchio	70	Max WS	Att_Tr100_Tp4h	41.17	20.97	23.64		23.65	0.000271	0.76	141.26	289.59	0.16
Rio_Fucecchio	70	Max WS	Att_Tr30_Tp4h	23.01	20.97	23.07		23.14	0.001509	1.48	36.42	131.36	0.37
Rio_Fucecchio	69.5	Max WS	Att_Tr200_Tp4h	50.61	20.73	23.75		23.76	0.000288	0.76	130.80	195.35	0.17

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	69.5	Max WS	Att_Tr100_Tp4h	41.17	20.73	23.62		23.63	0.000330	0.78	105.94	189.26	0.18
Rio_Fucecchio	69.5	Max WS	Att_Tr30_Tp4h	27.63	20.73	22.83		23.16	0.006413	2.57	10.76	8.48	0.73
Rio_Fucecchio	69	Max WS	Att_Tr200_Tp4h	60.81	20.49	23.39		23.89	0.006196	3.15	19.58	14.72	0.75
Rio_Fucecchio	69	Max WS	Att_Tr100_Tp4h	49.86	20.49	23.28		23.67	0.005018	2.76	18.09	10.52	0.67
Rio_Fucecchio	69	Max WS	Att_Tr30_Tp4h	30.78	20.49	22.38		22.88	0.009963	3.14	9.79	7.88	0.90
Rio_Fucecchio	68.98			Lat Struct									
Rio_Fucecchio	68	Max WS	Att_Tr200_Tp4h	60.09	20.58	23.50		23.66	0.001376	1.73	35.03	19.52	0.36
Rio_Fucecchio	68	Max WS	Att_Tr100_Tp4h	49.82	20.58	23.41		23.53	0.001061	1.49	33.43	16.58	0.32
Rio_Fucecchio	68	Max WS	Att_Tr30_Tp4h	30.78	20.58	22.37		22.51	0.002184	1.63	18.84	13.25	0.44
Rio_Fucecchio	67	Max WS	Att_Tr200_Tp4h	60.09	20.58	23.49	22.22	23.65	0.001394	1.74	34.83	19.19	0.37
Rio_Fucecchio	67	Max WS	Att_Tr100_Tp4h	49.82	20.58	23.41	22.06	23.52	0.001070	1.50	33.32	16.38	0.32
Rio_Fucecchio	67	Max WS	Att_Tr30_Tp4h	30.78	20.58	22.36	21.74	22.50	0.002251	1.65	18.65	13.23	0.44
Rio_Fucecchio	66.5			Bridge									
Rio_Fucecchio	66	Max WS	Att_Tr200_Tp4h	60.09	20.58	23.34		23.52	0.001694	1.86	32.32	14.73	0.40
Rio_Fucecchio	66	Max WS	Att_Tr100_Tp4h	49.82	20.58	23.18		23.32	0.001434	1.66	29.99	14.32	0.37
Rio_Fucecchio	66	Max WS	Att_Tr30_Tp4h	30.78	20.58	22.32		22.46	0.002470	1.70	18.09	13.18	0.46
Rio_Fucecchio	65	Max WS	Att_Tr200_Tp4h	60.09	20.58	23.33		23.51	0.001714	1.87	32.18	14.69	0.40
Rio_Fucecchio	65	Max WS	Att_Tr100_Tp4h	49.82	20.58	23.17		23.32	0.001450	1.67	29.87	14.31	0.37
Rio_Fucecchio	65	Max WS	Att_Tr30_Tp4h	30.78	20.58	22.30		22.45	0.002555	1.72	17.89	13.15	0.47
Rio_Fucecchio	64.9			Lat Struct									
Rio_Fucecchio	64	Max WS	Att_Tr200_Tp4h	59.03	19.78	23.32		23.43	0.000848	1.53	48.37	56.29	0.30
Rio_Fucecchio	64	Max WS	Att_Tr100_Tp4h	49.56	19.78	23.16		23.26	0.000806	1.43	39.47	47.57	0.29
Rio_Fucecchio	64	Max WS	Att_Tr30_Tp4h	30.78	19.78	22.26		22.36	0.001285	1.42	21.65	12.64	0.35
Rio_Fucecchio	63	Max WS	Att_Tr200_Tp4h	59.03	19.78	23.14	21.90	23.45	0.003880	2.48	24.86	45.45	0.60
Rio_Fucecchio	63	Max WS	Att_Tr100_Tp4h	49.56	19.78	23.02	21.70	23.27	0.001341	2.20	22.55	31.27	0.41
Rio_Fucecchio	63	Max WS	Att_Tr30_Tp4h	30.78	19.78	22.17	21.26	22.36	0.001609	1.92	16.04	12.42	0.42
Rio_Fucecchio	62.5			Bridge									

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	62	Max WS	Att_Tr200_Tp4h	59.03	19.78	22.83		23.23	0.002396	2.81	21.04	17.95	0.54
Rio_Fucecchio	62	Max WS	Att_Tr100_Tp4h	49.55	19.78	22.66		22.98	0.002089	2.51	19.74	14.44	0.50
Rio_Fucecchio	62	Max WS	Att_Tr30_Tp4h	30.78	19.78	22.15		22.34	0.001677	1.94	15.85	12.36	0.43
Rio_Fucecchio	61	Max WS	Att_Tr200_Tp4h	59.03	19.78	23.03		23.20	0.001394	1.82	35.37	37.19	0.38
Rio_Fucecchio	61	Max WS	Att_Tr100_Tp4h	49.56	19.78	22.81		22.96	0.001403	1.71	29.58	17.95	0.37
Rio_Fucecchio	61	Max WS	Att_Tr30_Tp4h	30.78	19.78	22.22		22.33	0.001375	1.46	21.14	12.54	0.36
Rio_Fucecchio	60	Max WS	Att_Tr200_Tp4h	59.03	19.79	22.79		23.17	0.003688	2.82	23.66	15.40	0.59
Rio_Fucecchio	60	Max WS	Att_Tr100_Tp4h	49.55	19.79	22.57		22.92	0.003829	2.69	20.31	15.18	0.59
Rio_Fucecchio	60	Max WS	Att_Tr30_Tp4h	30.78	19.79	21.97		22.28	0.004699	2.46	12.67	11.05	0.63
Rio_Fucecchio	59	Max WS	Att_Tr200_Tp4h	59.03	19.50	22.54		22.98	0.004595	3.00	21.42	15.27	0.64
Rio_Fucecchio	59	Max WS	Att_Tr100_Tp4h	49.55	19.50	22.31		22.73	0.004853	2.88	18.00	15.09	0.65
Rio_Fucecchio	59	Max WS	Att_Tr30_Tp4h	30.78	19.50	21.75		22.06	0.004665	2.46	12.50	7.70	0.62
Rio_Fucecchio	58	Max WS	Att_Tr200_Tp4h	59.03	19.12	22.26		22.73	0.004857	3.04	20.23	10.90	0.63
Rio_Fucecchio	58	Max WS	Att_Tr100_Tp4h	49.55	19.12	22.07		22.47	0.004539	2.81	18.14	10.90	0.61
Rio_Fucecchio	58	Max WS	Att_Tr30_Tp4h	30.78	19.12	21.55		21.83	0.003898	2.31	13.34	7.84	0.56
Rio_Fucecchio	57	Max WS	Att_Tr200_Tp4h	59.03	18.91	21.99		22.38	0.003841	2.86	22.99	14.48	0.60
Rio_Fucecchio	57	Max WS	Att_Tr100_Tp4h	49.55	18.91	21.81		22.15	0.003715	2.66	20.36	14.31	0.58
Rio_Fucecchio	57	Max WS	Att_Tr30_Tp4h	30.78	18.91	21.28		21.54	0.003842	2.28	13.49	8.17	0.57
Rio_Fucecchio	56	Max WS	Att_Tr200_Tp4h	59.03	18.63	21.88		22.22	0.003150	2.71	25.20	14.51	0.54
Rio_Fucecchio	56	Max WS	Att_Tr100_Tp4h	49.55	18.63	21.71		22.00	0.002934	2.49	22.71	14.36	0.52
Rio_Fucecchio	56	Max WS	Att_Tr30_Tp4h	30.78	18.63	21.14		21.38	0.003251	2.19	14.81	10.87	0.52
Rio_Fucecchio	55	Max WS	Att_Tr200_Tp4h	59.03	18.39	21.77		22.06	0.002508	2.48	27.28	15.45	0.49
Rio_Fucecchio	55	Max WS	Att_Tr100_Tp4h	49.55	18.39	21.61		21.85	0.002284	2.26	24.77	15.24	0.47
Rio_Fucecchio	55	Max WS	Att_Tr30_Tp4h	30.78	18.39	21.02		21.22	0.002585	2.00	16.03	14.50	0.47
Rio_Fucecchio	54	Max WS	Att_Tr200_Tp4h	59.02	18.14	21.47		21.89	0.004279	2.97	22.11	14.02	0.60
Rio_Fucecchio	54	Max WS	Att_Tr100_Tp4h	45.94	18.14	21.41		21.69	0.002819	2.38	21.38	13.96	0.49
Rio_Fucecchio	54	Max WS	Att_Tr30_Tp4h	30.78	18.14	20.81		21.06	0.003481	2.23	13.81	7.34	0.52
Rio_Fucecchio	53	Max WS	Att_Tr200_Tp4h	59.02	17.90	21.56		21.60	0.000548	1.17	88.87	89.78	0.22
Rio_Fucecchio	53	Max WS	Att_Tr100_Tp4h	45.85	17.90	21.48		21.50	0.000409	0.99	81.44	87.10	0.19
Rio_Fucecchio	53	Max WS	Att_Tr30_Tp4h	30.78	17.90	20.72		20.91	0.002385	1.96	16.28	10.77	0.44

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	52.9			Lat Struct									
Rio_Fucecchio	52	Max WS	Att_Tr200_Tp4h	59.02	18.06	21.49		21.64	0.001775	1.92	47.19	71.87	0.42
Rio_Fucecchio	52	Max WS	Att_Tr100_Tp4h	43.38	18.06	21.42		21.52	0.001174	1.53	42.42	69.80	0.34
Rio_Fucecchio	52	Max WS	Att_Tr30_Tp4h	30.78	18.06	20.64		20.86	0.003376	2.09	14.74	10.05	0.55
Rio_Fucecchio	51	Max WS	Att_Tr200_Tp4h	59.02	18.06	21.48	20.70	21.63	0.001839	1.95	46.34	71.51	0.43
Rio_Fucecchio	51	Max WS	Att_Tr100_Tp4h	43.21	18.06	21.41	20.37	21.51	0.001187	1.54	41.97	69.60	0.34
Rio_Fucecchio	51	Max WS	Att_Tr30_Tp4h	30.78	18.06	20.61	20.06	20.84	0.003539	2.12	14.49	9.99	0.56
Rio_Fucecchio	50.5			Bridge									
Rio_Fucecchio	50	Max WS	Att_Tr200_Tp4h	59.02	18.06	20.98		21.51	0.006712	3.21	18.37	11.26	0.79
Rio_Fucecchio	50	Max WS	Att_Tr100_Tp4h	57.34	18.06	20.90		21.45	0.007333	3.29	17.45	10.71	0.82
Rio_Fucecchio	50	Max WS	Att_Tr30_Tp4h	30.78	18.06	20.32		20.67	0.006467	2.64	11.68	9.25	0.75
Rio_Fucecchio	49	Max WS	Att_Tr200_Tp4h	59.02	18.06	20.92		21.49	0.007467	3.33	17.70	10.77	0.83
Rio_Fucecchio	49	Max WS	Att_Tr100_Tp4h	57.16	18.06	20.82		21.42	0.008381	3.45	16.59	10.51	0.88
Rio_Fucecchio	49	Max WS	Att_Tr30_Tp4h	30.78	18.06	20.25		20.64	0.007627	2.79	11.01	9.07	0.81
Rio_Fucecchio	48.9			Lat Struct									
Rio_Fucecchio	48	Max WS	Att_Tr200_Tp4h	59.02	17.69	20.86		21.13	0.002377	2.42	28.57	17.00	0.49
Rio_Fucecchio	48	Max WS	Att_Tr100_Tp4h	54.77	17.69	20.65		20.95	0.002942	2.53	24.99	16.59	0.54
Rio_Fucecchio	48	Max WS	Att_Tr30_Tp4h	30.78	17.69	20.09		20.30	0.002873	2.07	16.01	15.52	0.51
Rio_Fucecchio	47	Max WS	Att_Tr200_Tp4h	59.01	17.53	20.67		20.93	0.002303	2.36	28.77	16.85	0.49
Rio_Fucecchio	47	Max WS	Att_Tr100_Tp4h	51.03	17.53	20.41		20.68	0.002683	2.36	24.47	16.56	0.52
Rio_Fucecchio	47	Max WS	Att_Tr30_Tp4h	30.78	17.53	19.79		20.03	0.003645	2.19	14.32	15.88	0.57
Rio_Fucecchio	46	Max WS	Att_Tr200_Tp4h	59.01	17.19	20.58		20.80	0.001809	2.28	34.59	27.16	0.43
Rio_Fucecchio	46	Max WS	Att_Tr100_Tp4h	51.01	17.19	20.31		20.54	0.001987	2.24	28.39	19.67	0.45
Rio_Fucecchio	46	Max WS	Att_Tr30_Tp4h	30.78	17.19	19.68		19.85	0.002045	1.88	18.38	15.15	0.43
Rio_Fucecchio	45	Max WS	Att_Tr200_Tp4h	59.01	17.19	20.38		20.66	0.002427	2.51	29.77	21.57	0.50
Rio_Fucecchio	45	Max WS	Att_Tr100_Tp4h	50.95	17.19	20.13		20.38	0.002489	2.38	25.16	15.56	0.49
Rio_Fucecchio	45	Max WS	Att_Tr30_Tp4h	30.78	17.19	19.41		19.66	0.003464	2.25	14.98	11.12	0.55

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	44	Max WS	Att_Tr200_Tp4h	59.01	17.33	20.40		20.49	0.000961	1.31	45.04	25.11	0.31
Rio_Fucecchio	44	Max WS	Att_Tr100_Tp4h	50.99	17.33	20.13		20.22	0.001112	1.33	38.37	23.49	0.33
Rio_Fucecchio	44	Max WS	Att_Tr30_Tp4h	30.78	17.33	19.33		19.43	0.002034	1.44	21.45	18.77	0.43
Rio_Fucecchio	43	Max WS	Att_Tr200_Tp4h	59.01	17.33	20.05	19.47	20.56	0.003602	3.18	18.57	22.99	0.66
Rio_Fucecchio	43	Max WS	Att_Tr100_Tp4h	50.97	17.33	19.79	19.30	20.27	0.003896	3.07	16.61	21.51	0.67
Rio_Fucecchio	43	Max WS	Att_Tr30_Tp4h	30.78	17.33	19.06	18.83	19.47	0.005912	2.84	10.83	17.16	0.77
Rio_Fucecchio	42.5			Bridge									
Rio_Fucecchio	42	Max WS	Att_Tr200_Tp4h	59.01	16.75	19.44		20.24	0.009023	3.95	14.95	10.94	0.87
Rio_Fucecchio	42	Max WS	Att_Tr100_Tp4h	50.97	16.75	19.34		20.00	0.007930	3.58	14.23	10.76	0.80
Rio_Fucecchio	42	Max WS	Att_Tr30_Tp4h	30.78	16.75	18.89		19.29	0.006668	2.78	11.08	7.85	0.71
Rio_Fucecchio	41	Max WS	Att_Tr200_Tp4h	59.01	16.75	19.58		20.14	0.009209	3.31	17.81	11.20	0.84
Rio_Fucecchio	41	Max WS	Att_Tr100_Tp4h	50.93	16.75	19.41		19.93	0.009478	3.20	15.93	10.88	0.84
Rio_Fucecchio	41	Max WS	Att_Tr30_Tp4h	30.78	16.75	18.84		19.25	0.008412	2.85	10.78	7.72	0.77
Rio_Fucecchio	40	Max WS	Att_Tr200_Tp4h	59.01	16.52	19.60		19.75	0.001425	1.71	34.58	16.33	0.37
Rio_Fucecchio	40	Max WS	Att_Tr100_Tp4h	50.89	16.52	19.41		19.54	0.001412	1.62	31.39	16.07	0.37
Rio_Fucecchio	40	Max WS	Att_Tr30_Tp4h	30.78	16.52	18.84		18.94	0.001400	1.36	22.55	15.32	0.36
Rio_Fucecchio	39	Max WS	Att_Tr200_Tp4h	59.01	16.52	19.60	18.50	19.75	0.001447	1.72	34.40	16.31	0.38
Rio_Fucecchio	39	Max WS	Att_Tr100_Tp4h	50.88	16.52	19.40	18.39	19.53	0.001436	1.63	31.21	16.05	0.37
Rio_Fucecchio	39	Max WS	Att_Tr30_Tp4h	30.78	16.52	18.84	18.07	18.93	0.001431	1.37	22.39	15.29	0.36
Rio_Fucecchio	38.5			Bridge									
Rio_Fucecchio	38	Max WS	Att_Tr200_Tp4h	59.01	16.52	19.36		19.55	0.002041	1.93	30.65	16.00	0.44
Rio_Fucecchio	38	Max WS	Att_Tr100_Tp4h	50.88	16.52	19.20		19.37	0.001965	1.81	28.11	15.78	0.43
Rio_Fucecchio	38	Max WS	Att_Tr30_Tp4h	30.78	16.52	18.72		18.84	0.001823	1.49	20.68	15.13	0.41
Rio_Fucecchio	37	Max WS	Att_Tr200_Tp4h	59.01	16.52	19.35		19.54	0.002071	1.94	30.49	15.99	0.45
Rio_Fucecchio	37	Max WS	Att_Tr100_Tp4h	50.87	16.52	19.19		19.36	0.001995	1.82	27.96	15.78	0.44
Rio_Fucecchio	37	Max WS	Att_Tr30_Tp4h	30.78	16.52	18.71		18.83	0.001859	1.50	20.55	15.14	0.41
Rio_Fucecchio	36	Max WS	Att_Tr200_Tp4h	59.01	16.64	18.87		19.41	0.008573	3.24	18.20	12.96	0.87
Rio_Fucecchio	36	Max WS	Att_Tr100_Tp4h	50.82	16.64	18.73		19.22	0.008752	3.11	16.32	12.60	0.87
Rio_Fucecchio	36	Max WS	Att_Tr30_Tp4h	30.78	16.64	18.28		18.68	0.010429	2.80	10.99	11.50	0.91

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	35	Max WS	Att_Tr200_Tp4h	59.01	15.94	18.97		19.15	0.001848	1.89	31.27	13.92	0.40
Rio_Fucecchio	35	Max WS	Att_Tr100_Tp4h	50.75	15.94	18.81		18.97	0.001705	1.75	29.05	13.92	0.39
Rio_Fucecchio	35	Max WS	Att_Tr30_Tp4h	30.78	15.94	18.28		18.39	0.001531	1.42	21.68	13.92	0.36
Rio_Fucecchio	34	Max WS	Att_Tr200_Tp4h	59.01	15.94	18.96	17.95	19.15	0.001876	1.90	31.12	13.92	0.40
Rio_Fucecchio	34	Max WS	Att_Tr100_Tp4h	50.74	15.94	18.80	17.83	18.96	0.001730	1.75	28.91	13.92	0.39
Rio_Fucecchio	34	Max WS	Att_Tr30_Tp4h	30.78	15.94	18.28	17.52	18.38	0.001559	1.43	21.56	13.92	0.37
Rio_Fucecchio	33.5			Bridge									
Rio_Fucecchio	33	Max WS	Att_Tr200_Tp4h	59.01	15.94	18.89		19.08	0.002077	1.96	30.08	13.92	0.43
Rio_Fucecchio	33	Max WS	Att_Tr100_Tp4h	50.74	15.94	18.74		18.91	0.001896	1.81	28.05	13.92	0.41
Rio_Fucecchio	33	Max WS	Att_Tr30_Tp4h	30.78	15.94	18.23		18.34	0.001693	1.47	20.99	13.92	0.38
Rio_Fucecchio	32.9			Lat Struct									
Rio_Fucecchio	32.8			Lat Struct									
Rio_Fucecchio	32	Max WS	Att_Tr200_Tp4h	59.01	15.94	18.88		19.07	0.002115	1.97	29.90	13.92	0.43
Rio_Fucecchio	32	Max WS	Att_Tr100_Tp4h	50.73	15.94	18.73		18.90	0.001928	1.82	27.89	13.92	0.41
Rio_Fucecchio	32	Max WS	Att_Tr30_Tp4h	30.78	15.94	18.23		18.34	0.001727	1.48	20.85	13.92	0.38
Rio_Fucecchio	31	Max WS	Att_Tr200_Tp4h	59.01	15.60	18.67		18.86	0.002004	1.92	30.80	16.47	0.45
Rio_Fucecchio	31	Max WS	Att_Tr100_Tp4h	50.53	15.60	18.55		18.70	0.001802	1.76	28.72	16.17	0.42
Rio_Fucecchio	31	Max WS	Att_Tr30_Tp4h	30.78	15.60	18.04		18.15	0.001722	1.48	20.84	14.95	0.40
Rio_Fucecchio	30	Max WS	Att_Tr200_Tp4h	57.92	15.33	18.38		18.49	0.001256	1.57	43.36	36.95	0.36
Rio_Fucecchio	30	Max WS	Att_Tr100_Tp4h	49.44	15.33	18.28		18.38	0.001129	1.45	39.66	36.81	0.34
Rio_Fucecchio	30	Max WS	Att_Tr30_Tp4h	30.77	15.33	17.75		17.84	0.001272	1.33	23.14	15.51	0.35
Rio_Fucecchio	29	Max WS	Att_Tr200_Tp4h	53.81	14.79	17.49		17.81	0.004260	2.51	21.47	13.19	0.63
Rio_Fucecchio	29	Max WS	Att_Tr100_Tp4h	49.10	14.79	17.39		17.69	0.004181	2.43	20.24	12.89	0.62
Rio_Fucecchio	29	Max WS	Att_Tr30_Tp4h	30.77	14.79	16.98		17.19	0.003709	2.03	15.15	11.56	0.57
Rio_Fucecchio	28	Max WS	Att_Tr200_Tp4h	53.81	14.52	16.87		17.15	0.004160	2.36	22.85	15.96	0.63
Rio_Fucecchio	28	Max WS	Att_Tr100_Tp4h	49.09	14.52	16.76		17.03	0.004344	2.32	21.14	15.62	0.64
Rio_Fucecchio	28	Max WS	Att_Tr30_Tp4h	30.77	14.52	16.32		16.55	0.005062	2.10	14.66	14.28	0.66

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	27	Max WS	Att_Tr200_Tp4h	53.81	13.90	16.73		16.81	0.000716	1.20	44.74	23.63	0.28
Rio_Fucecchio	27	Max WS	Att_Tr100_Tp4h	49.09	13.90	16.61		16.68	0.000730	1.18	41.72	23.15	0.28
Rio_Fucecchio	27	Max WS	Att_Tr30_Tp4h	30.77	13.90	16.05		16.11	0.000797	1.04	29.49	21.09	0.28
Rio_Fucecchio	26	Max WS	Att_Tr200_Tp4h	53.81	13.90	16.73	15.47	16.80	0.000723	1.21	44.59	23.60	0.28
Rio_Fucecchio	26	Max WS	Att_Tr100_Tp4h	49.09	13.90	16.60	15.41	16.67	0.000738	1.18	41.57	23.12	0.28
Rio_Fucecchio	26	Max WS	Att_Tr30_Tp4h	30.77	13.90	16.05	15.15	16.10	0.000808	1.05	29.35	21.06	0.28
Rio_Fucecchio	25.5			Bridge									
Rio_Fucecchio	25	Max WS	Att_Tr200_Tp4h	53.81	13.90	16.69		16.76	0.000774	1.24	43.56	23.44	0.29
Rio_Fucecchio	25	Max WS	Att_Tr100_Tp4h	49.09	13.90	16.56		16.64	0.000787	1.21	40.65	22.97	0.29
Rio_Fucecchio	25	Max WS	Att_Tr30_Tp4h	30.77	13.90	16.02		16.08	0.000856	1.07	28.79	20.96	0.29
Rio_Fucecchio	24.9			Lat Struct									
Rio_Fucecchio	24.8			Lat Struct									
Rio_Fucecchio	24	Max WS	Att_Tr200_Tp4h	53.81	13.90	16.68		16.76	0.000776	1.24	43.52	23.43	0.29
Rio_Fucecchio	24	Max WS	Att_Tr100_Tp4h	49.09	13.90	16.56		16.63	0.000790	1.21	40.62	22.97	0.29
Rio_Fucecchio	24	Max WS	Att_Tr30_Tp4h	30.77	13.90	16.02		16.08	0.000859	1.07	28.75	20.96	0.29
Rio_Fucecchio	23	Max WS	Att_Tr200_Tp4h	53.81	13.04	16.28		16.42	0.001284	1.65	32.60	18.96	0.36
Rio_Fucecchio	23	Max WS	Att_Tr100_Tp4h	49.08	13.04	16.16		16.29	0.001250	1.59	30.82	14.86	0.35
Rio_Fucecchio	23	Max WS	Att_Tr30_Tp4h	30.77	13.04	15.66		15.75	0.001032	1.30	23.70	13.60	0.31
Rio_Fucecchio	22	Max WS	Att_Tr200_Tp4h	53.81	13.39	16.20		16.35	0.001774	1.75	30.79	17.80	0.42
Rio_Fucecchio	22	Max WS	Att_Tr100_Tp4h	49.08	13.39	16.08		16.23	0.001816	1.71	28.65	17.40	0.43
Rio_Fucecchio	22	Max WS	Att_Tr30_Tp4h	30.77	13.39	15.57		15.68	0.001982	1.52	20.18	15.73	0.43
Rio_Fucecchio	21	Max WS	Att_Tr200_Tp4h	53.81	13.39	15.99	15.39	16.35	0.003143	2.65	20.33	17.13	0.59
Rio_Fucecchio	21	Max WS	Att_Tr100_Tp4h	49.08	13.39	15.89	15.30	16.22	0.003098	2.54	19.33	16.80	0.58
Rio_Fucecchio	21	Max WS	Att_Tr30_Tp4h	30.77	13.39	15.46	14.94	15.67	0.002809	2.05	15.04	15.39	0.53
Rio_Fucecchio	20.5			Bridge									
Rio_Fucecchio	20	Max WS	Att_Tr200_Tp4h	53.80	13.39	15.88		16.28	0.003799	2.80	19.21	16.76	0.64
Rio_Fucecchio	20	Max WS	Att_Tr100_Tp4h	49.08	13.39	15.79		16.16	0.003699	2.68	18.33	16.47	0.63
Rio_Fucecchio	20	Max WS	Att_Tr30_Tp4h	30.77	13.39	15.39		15.62	0.003312	2.15	14.31	15.15	0.57

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	19.9			Lat Struct									
Rio_Fucecchio	19.8			Lat Struct									
Rio_Fucecchio	19	Max WS	Att_Tr200_Tp4h	53.81	13.39	16.08		16.26	0.002190	1.88	28.62	17.40	0.47
Rio_Fucecchio	19	Max WS	Att_Tr100_Tp4h	49.08	13.39	15.96		16.13	0.002234	1.84	26.67	17.03	0.47
Rio_Fucecchio	19	Max WS	Att_Tr30_Tp4h	30.77	13.39	15.47		15.61	0.002493	1.65	18.67	15.42	0.48
Rio_Fucecchio	18	Max WS	Att_Tr200_Tp4h	53.80	12.30	15.71		15.83	0.001122	1.56	34.44	15.83	0.34
Rio_Fucecchio	18	Max WS	Att_Tr100_Tp4h	49.08	12.30	15.60		15.71	0.001074	1.50	32.74	15.51	0.33
Rio_Fucecchio	18	Max WS	Att_Tr30_Tp4h	30.77	12.30	15.12		15.19	0.000831	1.20	25.66	14.11	0.28
Rio_Fucecchio	17	Max WS	Att_Tr200_Tp4h	53.74	12.85	15.28		15.47	0.002377	1.91	28.11	18.02	0.49
Rio_Fucecchio	17	Max WS	Att_Tr100_Tp4h	49.08	12.85	15.18		15.35	0.002412	1.87	26.27	17.65	0.49
Rio_Fucecchio	17	Max WS	Att_Tr30_Tp4h	30.76	12.85	14.74		14.88	0.002456	1.62	18.97	16.10	0.48
Rio_Fucecchio	16	Max WS	Att_Tr200_Tp4h	53.73	12.85	15.26	14.59	15.45	0.002447	1.93	27.83	17.97	0.50
Rio_Fucecchio	16	Max WS	Att_Tr100_Tp4h	49.08	12.85	15.16	14.53	15.34	0.002489	1.89	25.99	17.60	0.50
Rio_Fucecchio	16	Max WS	Att_Tr30_Tp4h	30.76	12.85	14.73	14.23	14.86	0.002558	1.64	18.71	16.04	0.49
Rio_Fucecchio	15.5			Bridge									
Rio_Fucecchio	15	Max WS	Att_Tr200_Tp4h	53.34	12.85	15.09		15.32	0.003408	2.16	24.70	17.33	0.58
Rio_Fucecchio	15	Max WS	Att_Tr100_Tp4h	49.06	12.85	14.98		15.21	0.003611	2.15	22.86	16.95	0.59
Rio_Fucecchio	15	Max WS	Att_Tr30_Tp4h	30.72	12.85	14.57		14.75	0.003882	1.89	16.24	15.48	0.59
Rio_Fucecchio	14	Max WS	Att_Tr200_Tp4h	53.31	12.85	15.06		15.31	0.003597	2.20	24.23	17.24	0.59
Rio_Fucecchio	14	Max WS	Att_Tr100_Tp4h	49.05	12.85	14.95		15.19	0.003843	2.19	22.37	16.84	0.61
Rio_Fucecchio	14	Max WS	Att_Tr30_Tp4h	30.71	12.85	14.54		14.73	0.004251	1.95	15.75	15.37	0.62
Rio_Fucecchio	13.9			Lat Struct									
Rio_Fucecchio	13.8			Lat Struct									
Rio_Fucecchio	13	Max WS	Att_Tr200_Tp4h	53.16	11.50	15.04		15.15	0.000982	1.49	35.57	15.74	0.32
Rio_Fucecchio	13	Max WS	Att_Tr100_Tp4h	49.03	11.50	14.93		15.03	0.000955	1.45	33.88	15.43	0.31
Rio_Fucecchio	13	Max WS	Att_Tr30_Tp4h	30.71	11.50	14.52		14.58	0.000646	1.10	27.81	14.25	0.25

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	12	Max WS	Att_Tr200_Tp4h	26.65	11.78	14.59		14.62	0.000361	0.94	37.88	28.87	0.19
Rio_Fucecchio	12	Max WS	Att_Tr100_Tp4h	25.39	11.78	14.45		14.49	0.000432	0.99	34.01	28.43	0.21
Rio_Fucecchio	12	Max WS	Att_Tr30_Tp4h	29.65	11.78	14.15		14.25	0.001178	1.49	25.48	27.42	0.34
Rio_Fucecchio	11.8			Lat Struct									
Rio_Fucecchio	11	Max WS	Att_Tr200_Tp4h	13.83	11.76	14.59		14.60	0.000104	0.52	34.62	24.36	0.10
Rio_Fucecchio	11	Max WS	Att_Tr100_Tp4h	12.69	11.76	14.45		14.46	0.000112	0.52	31.38	23.42	0.11
Rio_Fucecchio	11	Max WS	Att_Tr30_Tp4h	10.80	11.76	14.11		14.13	0.000157	0.56	23.87	21.09	0.12
Rio_Fucecchio	10	Max WS	Att_Tr200_Tp4h	5.70	11.68	14.59		14.59	0.000025	0.23	26.92	13.76	0.05
Rio_Fucecchio	10	Max WS	Att_Tr100_Tp4h	4.89	11.68	14.45		14.45	0.000023	0.22	25.06	13.63	0.05
Rio_Fucecchio	10	Max WS	Att_Tr30_Tp4h	3.56	11.68	14.11		14.12	0.000021	0.19	20.52	13.30	0.04
Rio_Fucecchio	9	Max WS	Att_Tr200_Tp4h	-1.03	11.72	14.59		14.59	0.000000	-0.03	48.05	23.91	0.01
Rio_Fucecchio	9	Max WS	Att_Tr100_Tp4h	-1.89	11.72	14.45		14.45	0.000001	-0.05	44.82	23.91	0.01
Rio_Fucecchio	9	Max WS	Att_Tr30_Tp4h	-1.96	11.72	14.11		14.11	0.000002	-0.06	36.73	23.91	0.01
Rio_Fucecchio	8	Max WS	Att_Tr200_Tp4h	-11.31	11.61	14.59		14.59	0.000037	-0.31	44.97	23.60	0.06
Rio_Fucecchio	8	Max WS	Att_Tr100_Tp4h	-10.78	11.61	14.45		14.46	0.000042	-0.32	41.78	23.60	0.06
Rio_Fucecchio	8	Max WS	Att_Tr30_Tp4h	-8.20	11.61	14.11		14.12	0.000044	-0.30	33.81	23.60	0.07
Rio_Fucecchio	7	Max WS	Att_Tr200_Tp4h	23.60	11.57	14.58		14.59	0.000101	0.58	52.12	25.30	0.11
Rio_Fucecchio	7	Max WS	Att_Tr100_Tp4h	22.82	11.57	14.44		14.46	0.000115	0.60	48.69	25.30	0.12
Rio_Fucecchio	7	Max WS	Att_Tr30_Tp4h	18.74	11.57	14.10		14.12	0.000136	0.60	40.14	25.30	0.13
Rio_Fucecchio	6	Max WS	Att_Tr200_Tp4h	24.51	11.56	14.32		14.75	0.013886	2.95	9.24	10.40	0.57
Rio_Fucecchio	6	Max WS	Att_Tr100_Tp4h	24.30	11.56	14.18	13.49	14.70	0.017431	3.19	7.79	10.40	0.63
Rio_Fucecchio	6	Max WS	Att_Tr30_Tp4h	2.20	11.56	13.90		13.91	0.000132	0.32	6.80	2.90	0.07
Rio_Fucecchio	5	Max WS	Att_Tr200_Tp4h	2.68	11.56	14.25		14.26	0.000190	0.34	8.49	10.40	0.07
Rio_Fucecchio	5	Max WS	Att_Tr100_Tp4h	2.73	11.56	14.09		14.09	0.000168	0.37	7.32	2.90	0.07
Rio_Fucecchio	5	Max WS	Att_Tr30_Tp4h	2.19	11.56	13.90		13.91	0.000132	0.32	6.80	2.90	0.07
Rio_Fucecchio	4	Max WS	Att_Tr200_Tp4h	2.67	11.56	14.25		14.26	0.000189	0.34	8.47	10.40	0.07
Rio_Fucecchio	4	Max WS	Att_Tr100_Tp4h	2.69	11.56	14.08		14.09	0.000165	0.37	7.32	2.90	0.07
Rio_Fucecchio	4	Max WS	Att_Tr30_Tp4h	2.19	11.56	13.90		13.91	0.000132	0.32	6.79	2.90	0.07
Rio_Fucecchio	3	Max WS	Att_Tr200_Tp4h	2.67	11.56	14.25		14.25	0.000189	0.34	8.46	10.40	0.07

HEC-RAS River: Rio_Fucecchio Reach: Rio_Fucecchio Profile: Max WS (Continued)

Reach	River Sta	Profile	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_Fucecchio	3	Max WS	Att_Tr100_Tp4h	2.66	11.56	14.08		14.09	0.000161	0.36	7.31	2.90	0.07
Rio_Fucecchio	3	Max WS	Att_Tr30_Tp4h	2.19	11.56	13.90		13.91	0.000132	0.32	6.79	2.90	0.07

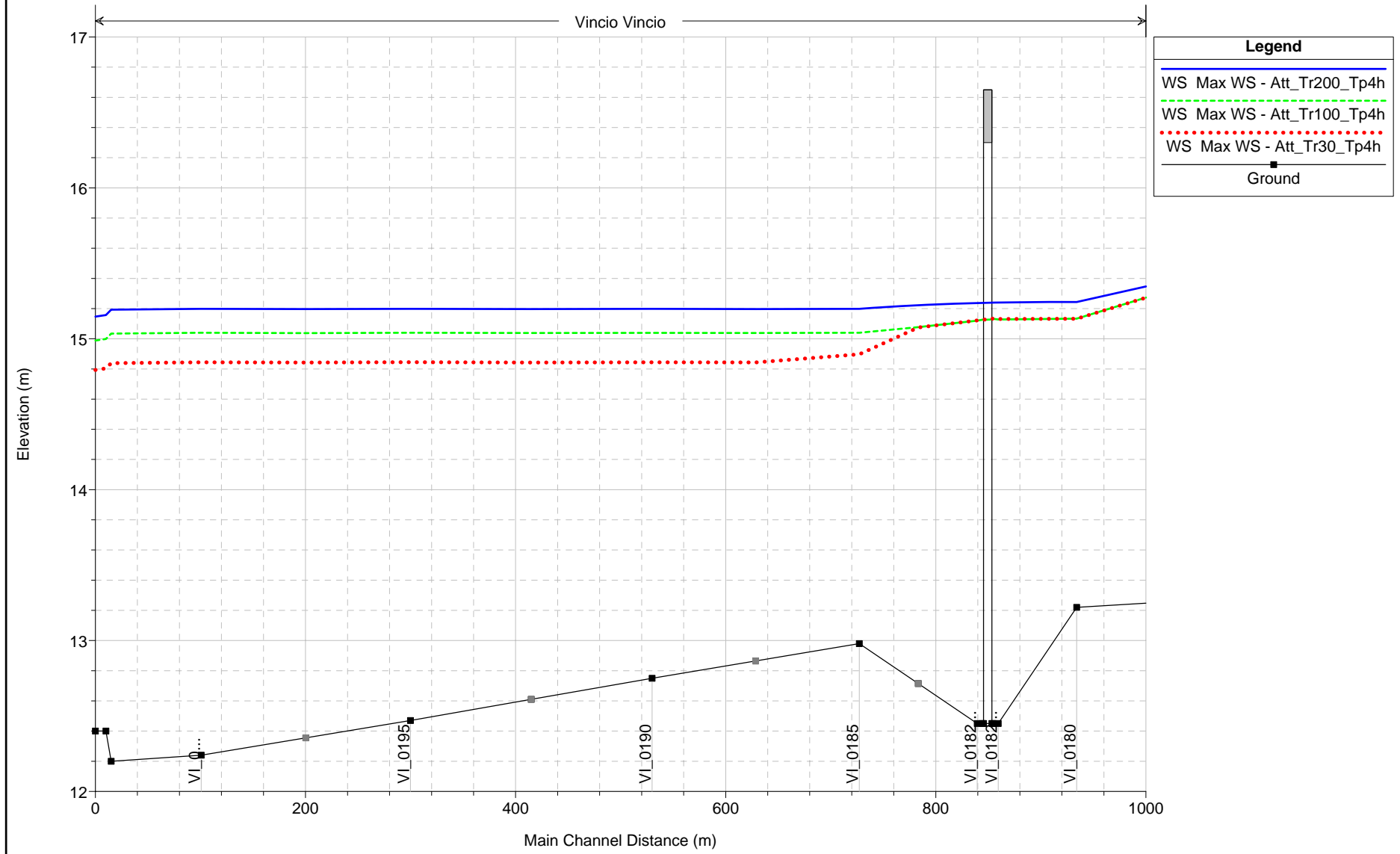
Scenario B

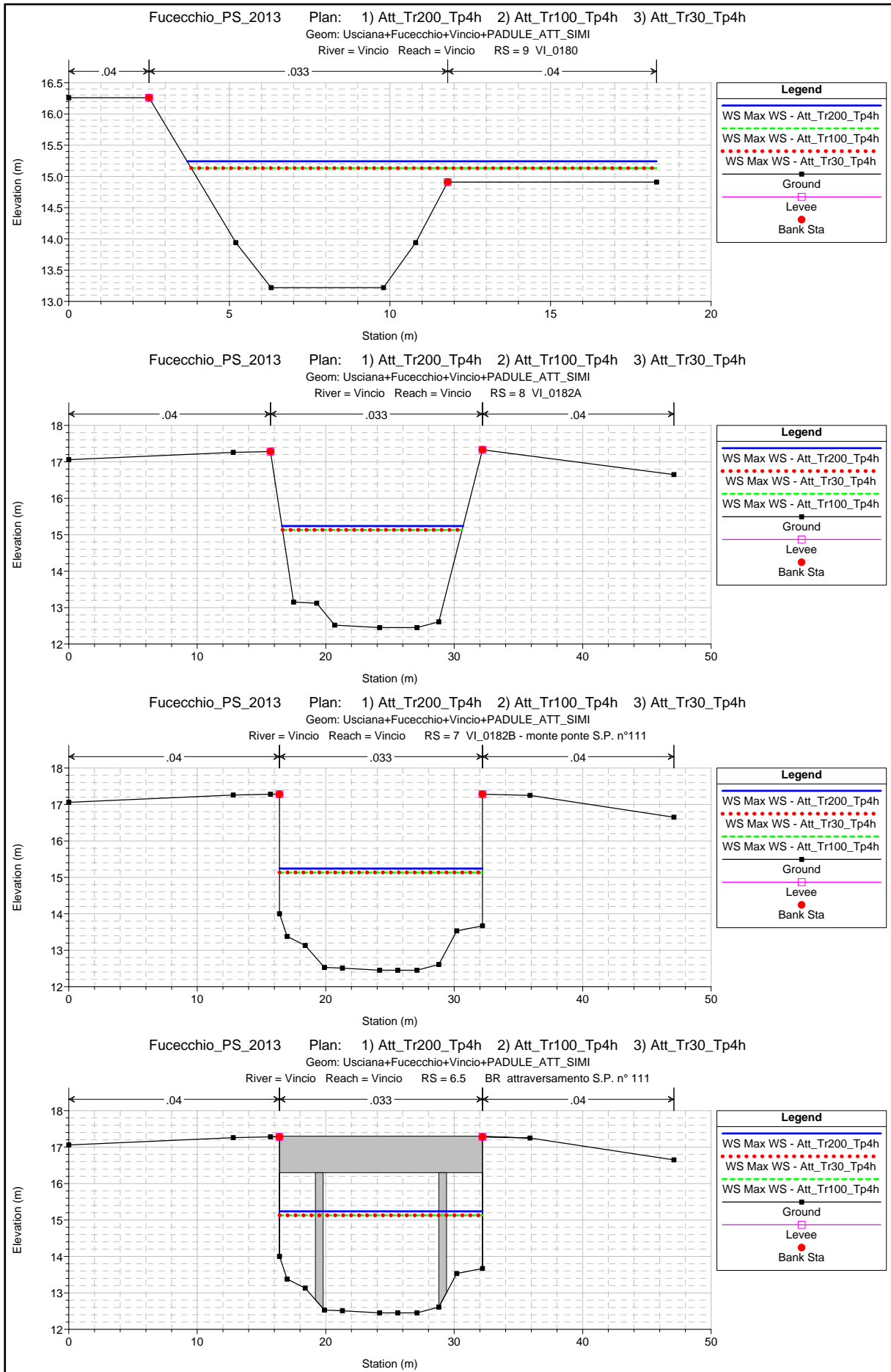
Tr 200, 100 e 30 anni

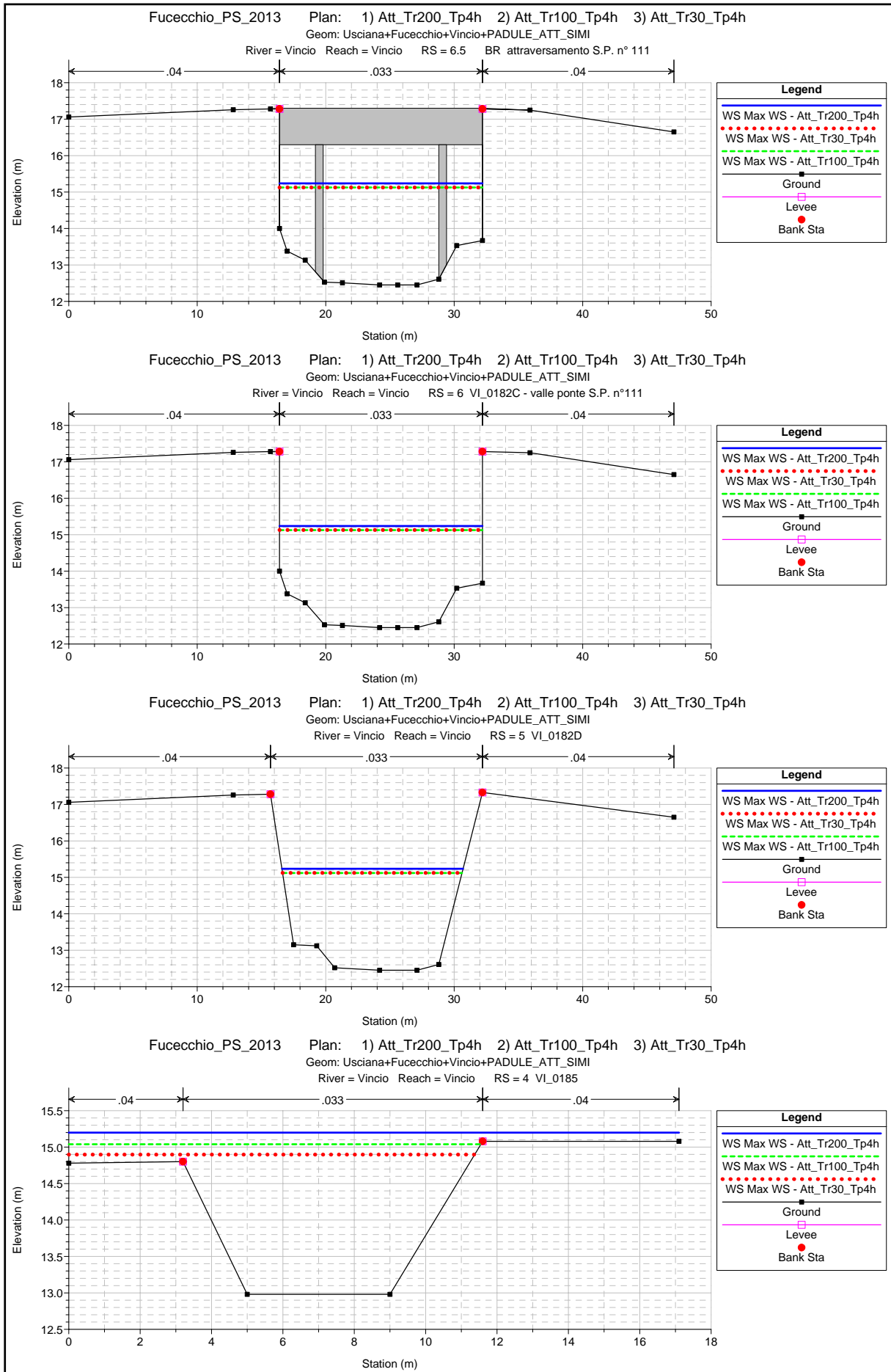
TORRENTE VINCIO

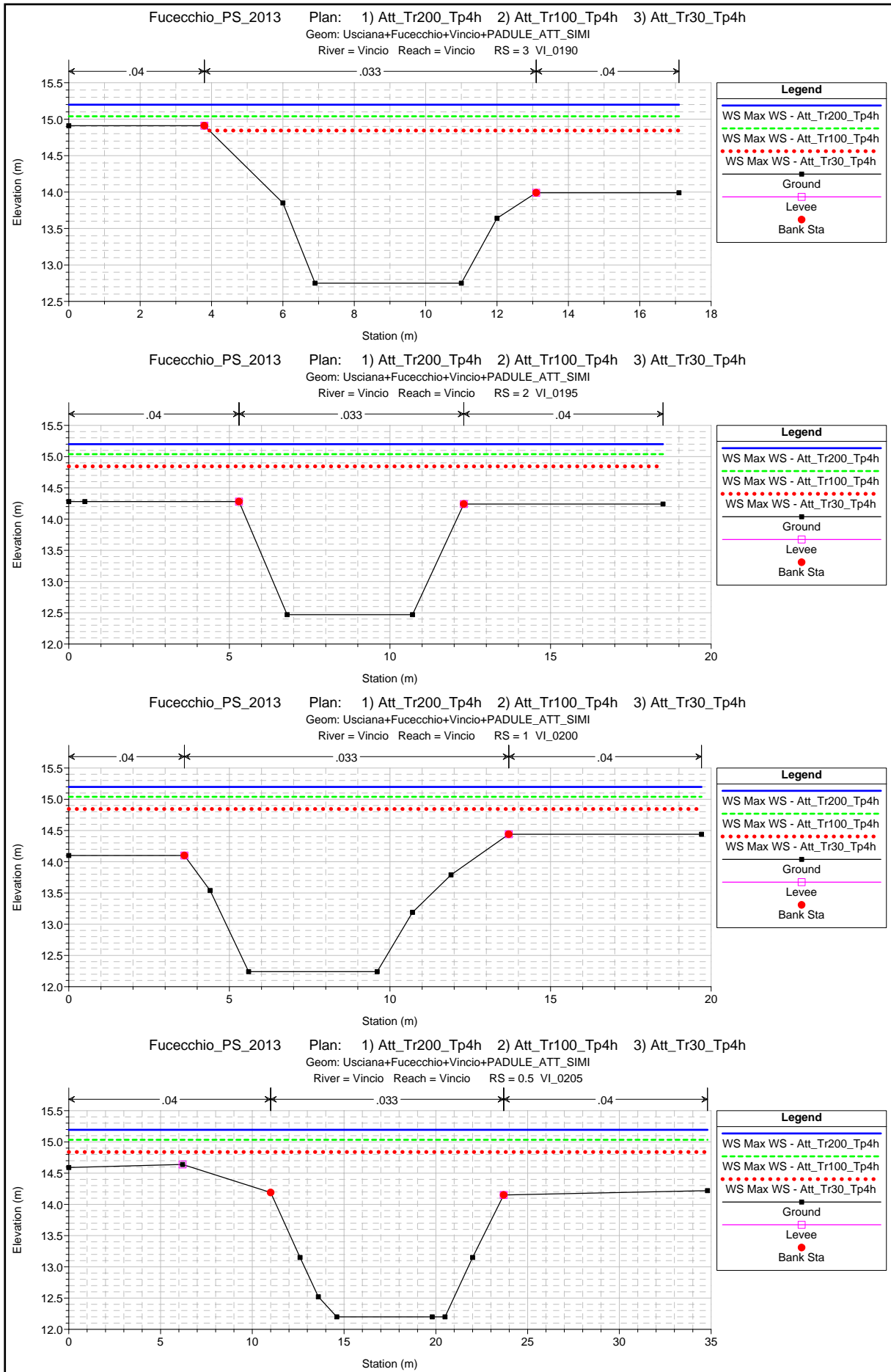
- **Profili**
- **Sezioni**
- **Tabelle di Output**

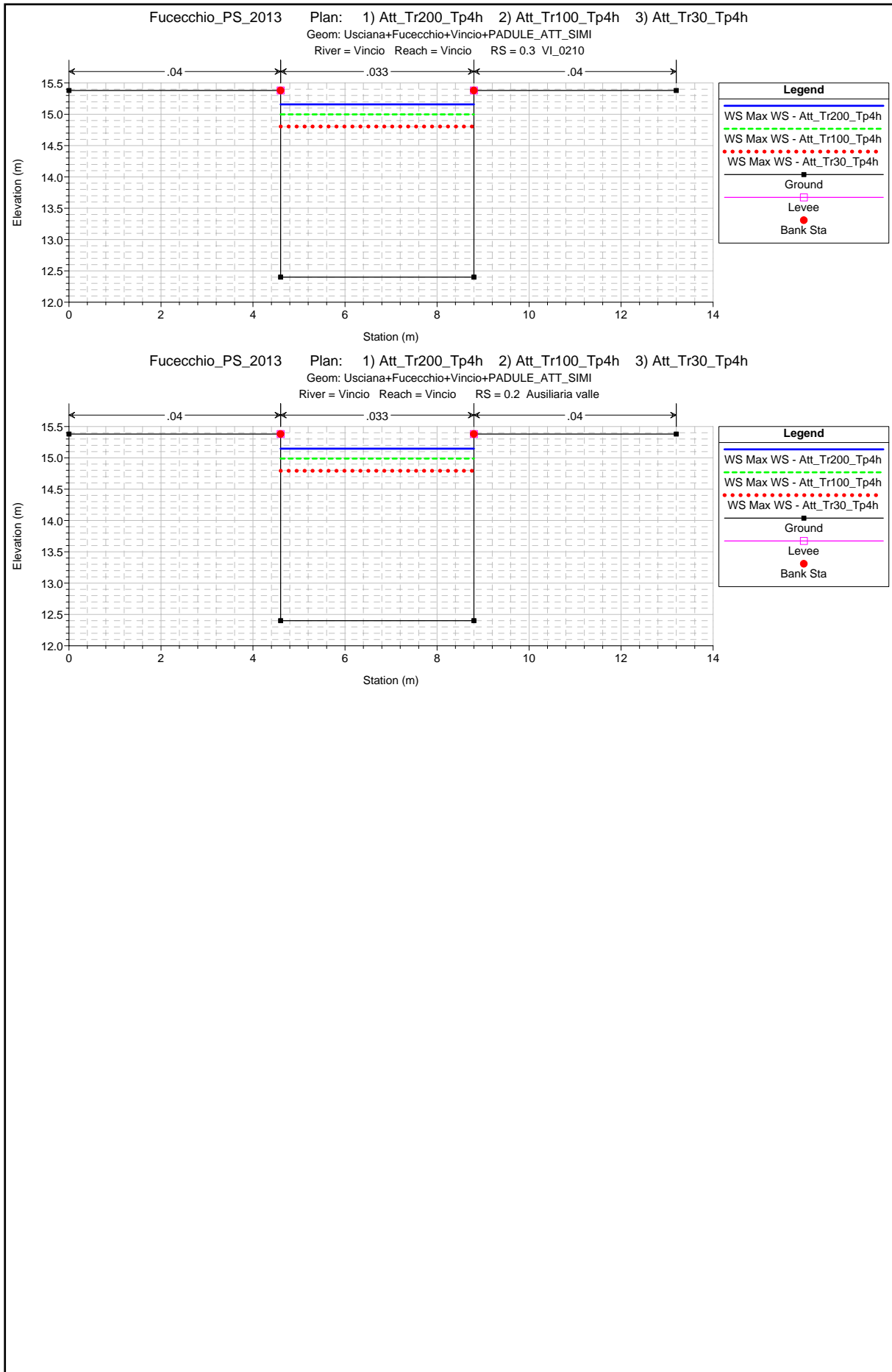
Fucecchio_PS_2013 Plan: 1) Att_Tr200_Tp4h 2) Att_Tr100_Tp4h 3) Att_Tr30_Tp4h
 Geom: Usciana+Fucecchio+Vincio+PADULE_ATT











HEC-RAS River: Vincio Reach: Vincio Profile: Max WS

Reach	River Sta	Profile	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
Vincio	10	Max WS	Att_Tr200_Tp4h	145.23	13.37	16.96	17.16	18.28	0.011504	5.31	30.54	16.50	1.04
Vincio	10	Max WS	Att_Tr100_Tp4h	115.46	13.37	16.74	16.80	17.78	0.009938	4.69	27.12	13.90	0.96
Vincio	10	Max WS	Att_Tr30_Tp4h	84.64	13.37	16.43		17.22	0.008376	4.04	22.87	13.57	0.87
Vincio	9.8	Max WS	Att_Tr200_Tp4h	145.23	13.37	16.95	17.16	18.29	0.011789	5.35	30.26	16.50	1.06
Vincio	9.8	Max WS	Att_Tr100_Tp4h	115.45	13.37	16.73	16.80	17.78	0.010129	4.72	26.93	13.88	0.97
Vincio	9.8	Max WS	Att_Tr30_Tp4h	84.61	13.37	16.42		17.22	0.008555	4.07	22.68	13.56	0.88
Vincio	9.79			Lat Struct									
Vincio	9.78			Lat Struct									
Vincio	9	Max WS	Att_Tr200_Tp4h	11.30	13.22	15.24		15.28	0.000566	0.86	14.55	14.62	0.22
Vincio	9	Max WS	Att_Tr100_Tp4h	21.26	13.22	15.13		15.29	0.002622	1.79	12.95	14.49	0.48
Vincio	9	Max WS	Att_Tr30_Tp4h	21.03	13.22	15.13		15.29	0.002570	1.77	12.94	14.49	0.47
Vincio	8	Max WS	Att_Tr200_Tp4h	12.54	12.45	15.24		15.25	0.000065	0.38	32.95	14.10	0.08
Vincio	8	Max WS	Att_Tr100_Tp4h	20.42	12.45	15.13		15.15	0.000198	0.65	31.39	13.98	0.14
Vincio	8	Max WS	Att_Tr30_Tp4h	20.56	12.45	15.13		15.15	0.000201	0.65	31.42	13.98	0.14
Vincio	7	Max WS	Att_Tr200_Tp4h	12.54	12.45	15.24	13.06	15.25	0.000047	0.33	38.16	15.80	0.07
Vincio	7	Max WS	Att_Tr100_Tp4h	20.41	12.45	15.13	13.27	15.15	0.000144	0.56	36.46	15.80	0.12
Vincio	7	Max WS	Att_Tr30_Tp4h	20.54	12.45	15.14	13.27	15.15	0.000145	0.56	36.50	15.80	0.12
Vincio	6.5			Bridge									
Vincio	6	Max WS	Att_Tr200_Tp4h	12.53	12.45	15.24		15.24	0.000047	0.33	38.13	15.80	0.07
Vincio	6	Max WS	Att_Tr100_Tp4h	20.39	12.45	15.13		15.14	0.000145	0.56	36.36	15.80	0.12
Vincio	6	Max WS	Att_Tr30_Tp4h	20.54	12.45	15.13		15.14	0.000147	0.56	36.38	15.80	0.12
Vincio	5	Max WS	Att_Tr200_Tp4h	12.53	12.45	15.24		15.24	0.000065	0.38	32.91	14.10	0.08
Vincio	5	Max WS	Att_Tr100_Tp4h	20.39	12.45	15.12		15.14	0.000200	0.65	31.28	13.97	0.14
Vincio	5	Max WS	Att_Tr30_Tp4h	20.53	12.45	15.12		15.14	0.000203	0.66	31.29	13.97	0.14
Vincio	4.99			Lat Struct									
Vincio	4.98			Lat Struct									
Vincio	4	Max WS	Att_Tr200_Tp4h	11.12	12.98	15.20		15.23	0.000378	0.75	16.22	17.10	0.18

HEC-RAS River: Vincio Reach: Vincio Profile: Max WS (Continued)

Reach	River Sta	Profile	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
Vincio	4	Max WS	Att_Tr100_Tp4h	11.08	12.98	15.04		15.08	0.000538	0.84	13.73	11.55	0.22
Vincio	4	Max WS	Att_Tr30_Tp4h	20.34	12.98	14.90		15.05	0.002466	1.72	12.10	11.37	0.46
Vincio	3	Max WS	Att_Tr200_Tp4h	5.65	12.75	15.20		15.20	0.000045	0.28	22.99	17.10	0.07
Vincio	3	Max WS	Att_Tr100_Tp4h	5.41	12.75	15.04		15.04	0.000058	0.30	20.28	17.10	0.07
Vincio	3	Max WS	Att_Tr30_Tp4h	5.08	12.75	14.84		14.85	0.000078	0.33	17.20	13.16	0.08
Vincio	2	Max WS	Att_Tr200_Tp4h	-2.29	12.47	15.20		15.20	0.000005	-0.11	27.14	18.50	0.02
Vincio	2	Max WS	Att_Tr100_Tp4h	-2.10	12.47	15.04		15.04	0.000006	-0.11	24.20	18.50	0.02
Vincio	2	Max WS	Att_Tr30_Tp4h	-1.77	12.47	14.84		14.85	0.000007	-0.11	20.59	18.50	0.02
Vincio	1	Max WS	Att_Tr200_Tp4h	-6.89	12.24	15.20		15.20	0.000031	-0.26	30.94	19.70	0.06
Vincio	1	Max WS	Att_Tr100_Tp4h	-6.42	12.24	15.04		15.04	0.000036	-0.27	27.81	19.70	0.06
Vincio	1	Max WS	Att_Tr30_Tp4h	-5.80	12.24	14.84		14.85	0.000044	-0.28	23.97	19.70	0.07
Vincio	0.5	Max WS	Att_Tr200_Tp4h	12.42	12.20	15.19		15.20	0.000036	0.32	50.20	34.80	0.06
Vincio	0.5	Max WS	Att_Tr100_Tp4h	11.50	12.20	15.03		15.04	0.000041	0.33	44.66	34.80	0.07
Vincio	0.5	Max WS	Att_Tr30_Tp4h	10.38	12.20	14.84		14.84	0.000050	0.34	37.86	34.80	0.07
Vincio	0.3	Max WS	Att_Tr200_Tp4h	12.42	12.40	15.16		15.22	0.000990	1.07	11.58	4.20	0.21
Vincio	0.3	Max WS	Att_Tr100_Tp4h	11.50	12.40	15.00		15.06	0.000990	1.05	10.91	4.20	0.21
Vincio	0.3	Max WS	Att_Tr30_Tp4h	10.38	12.40	14.80		14.86	0.000989	1.03	10.10	4.20	0.21
Vincio	0.2	Max WS	Att_Tr200_Tp4h	12.42	12.40	15.15	13.36	15.21	0.001000	1.08	11.54	4.20	0.21
Vincio	0.2	Max WS	Att_Tr100_Tp4h	11.50	12.40	14.99	13.31	15.05	0.001000	1.06	10.87	4.20	0.21
Vincio	0.2	Max WS	Att_Tr30_Tp4h	10.38	12.40	14.79	13.25	14.85	0.001000	1.03	10.05	4.20	0.21

Scenario C

- **Rio di Fucecchio (tratto a valle della sez. RF_1150)**
- **Torrente Vincio**
- **Canale Usciana**
- **Rio Macone (solo Tr=30 anni)**

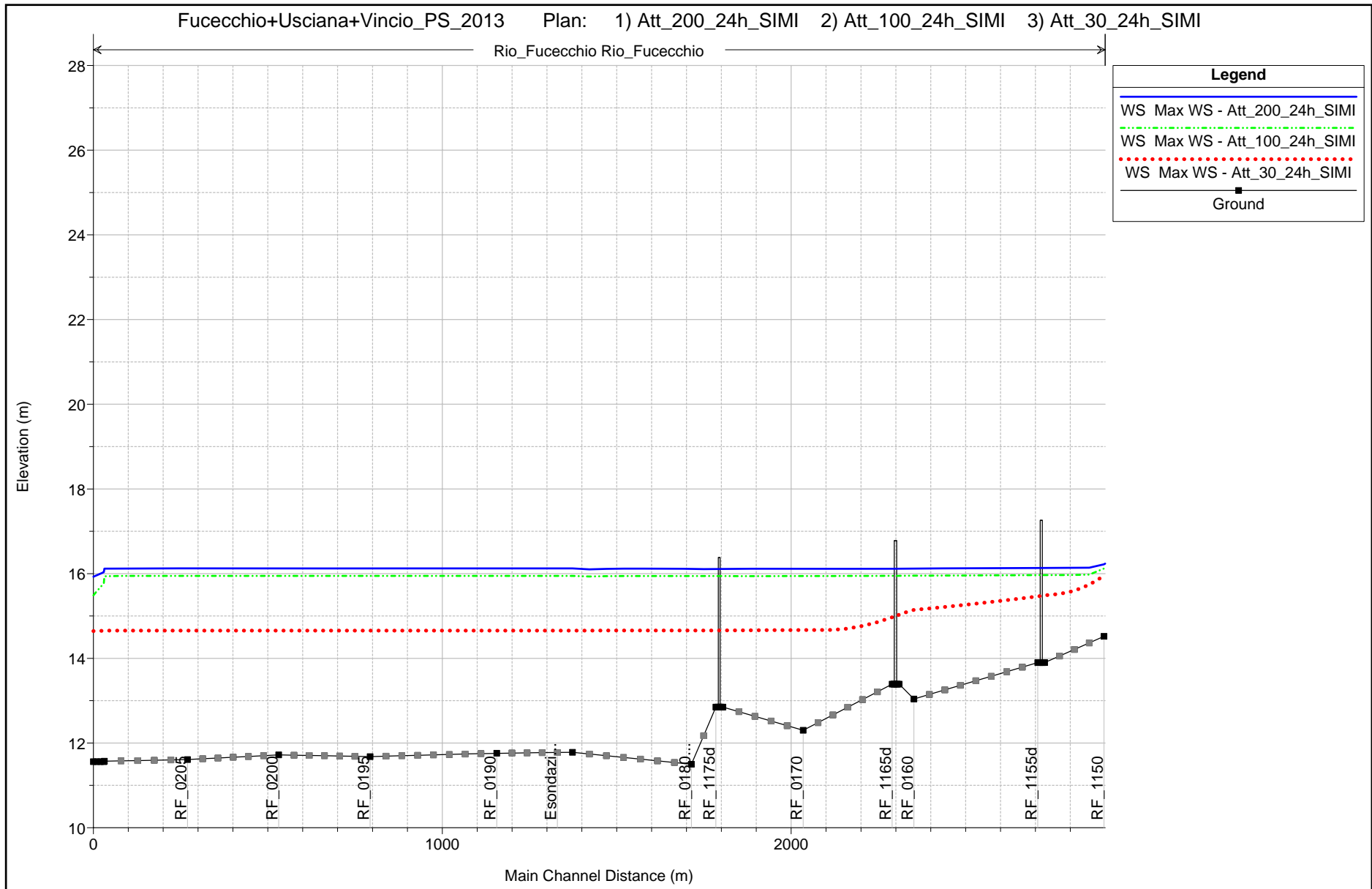
Scenario C

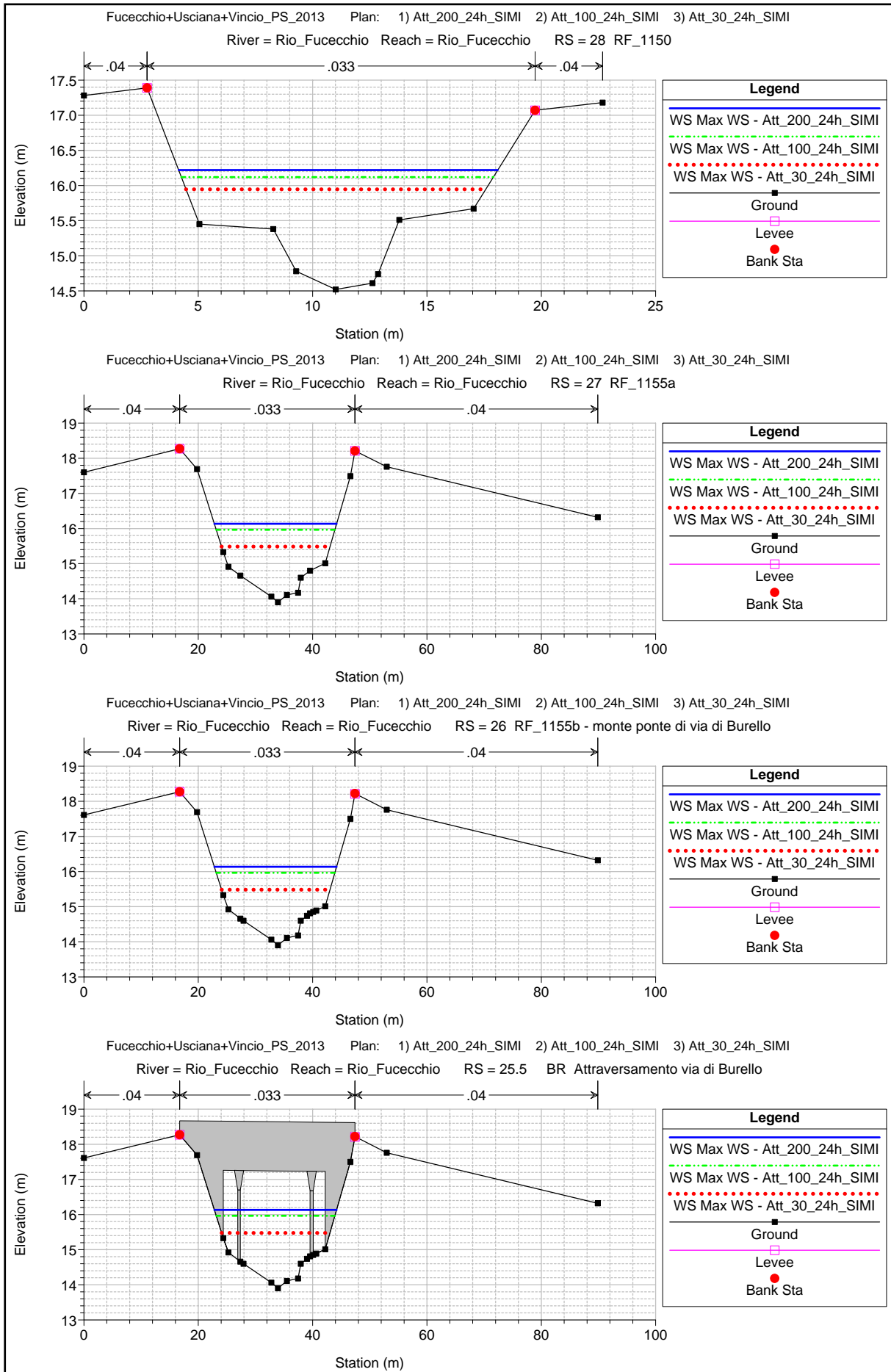
Tr 200, 100 e 30 anni

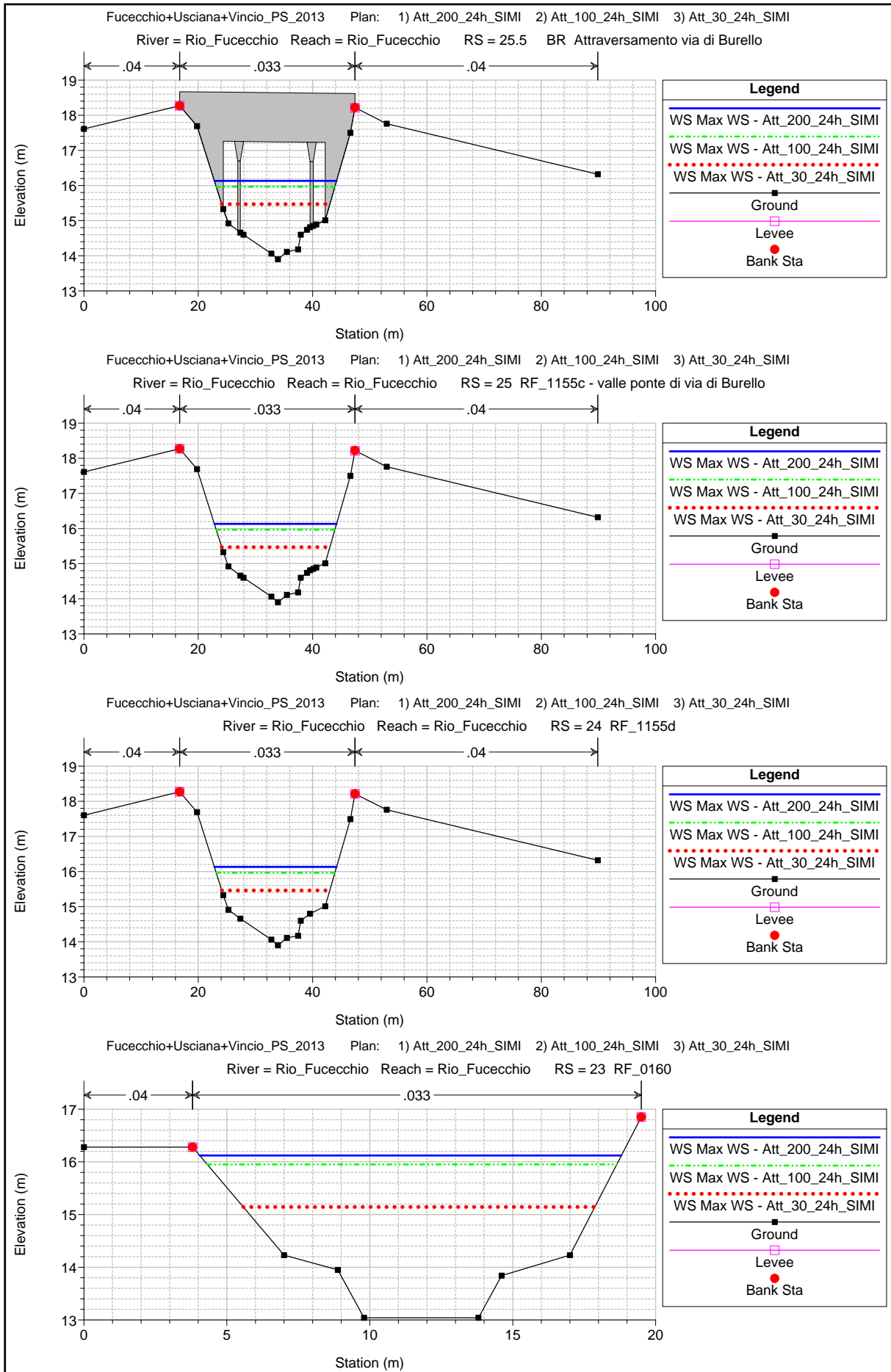
RIO DI FUCECCHIO

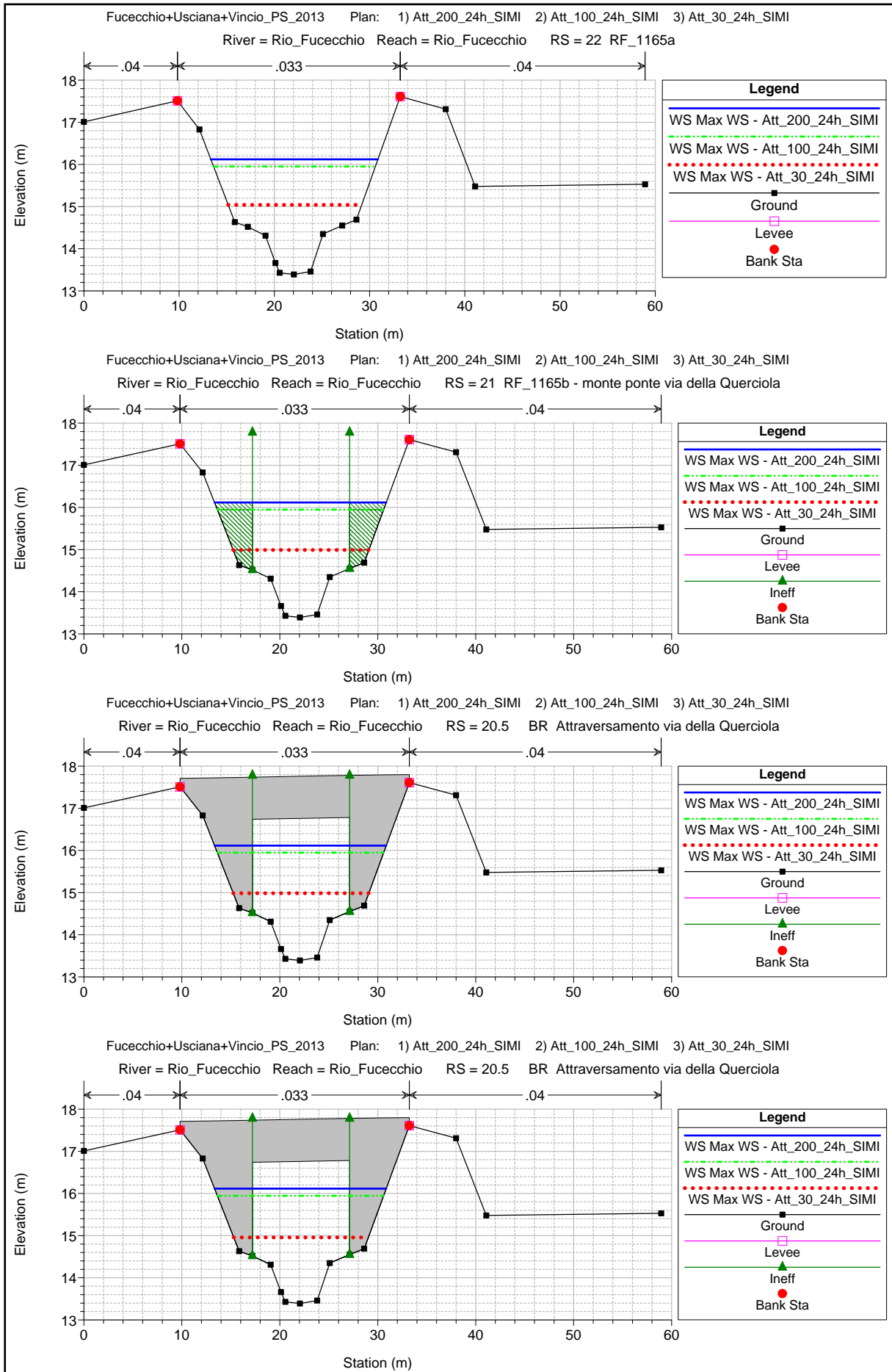
Tratto a valle della sez. RF_1150

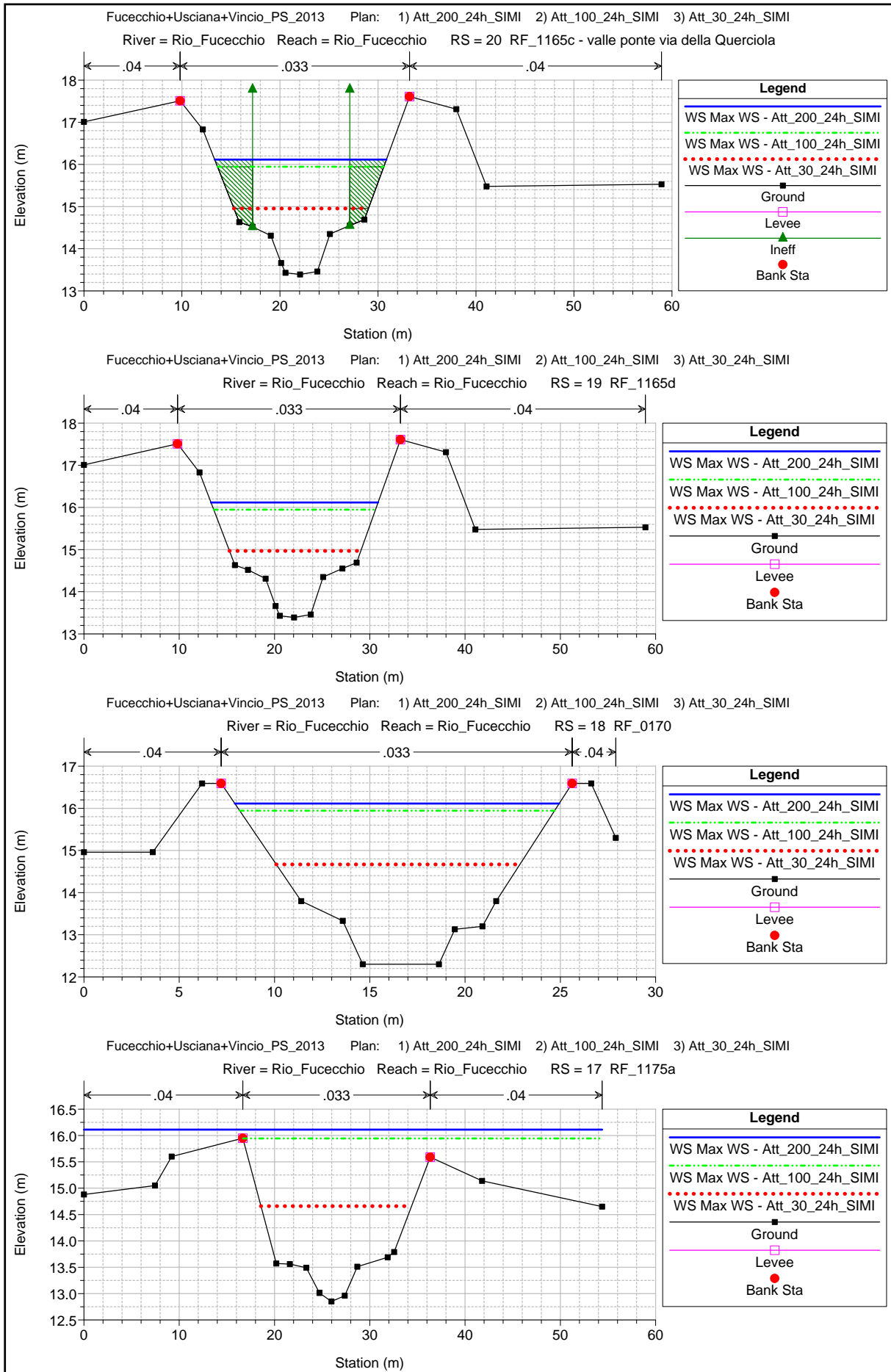
- **Profili**
- **Sezioni**
- **Tablelle di Output**

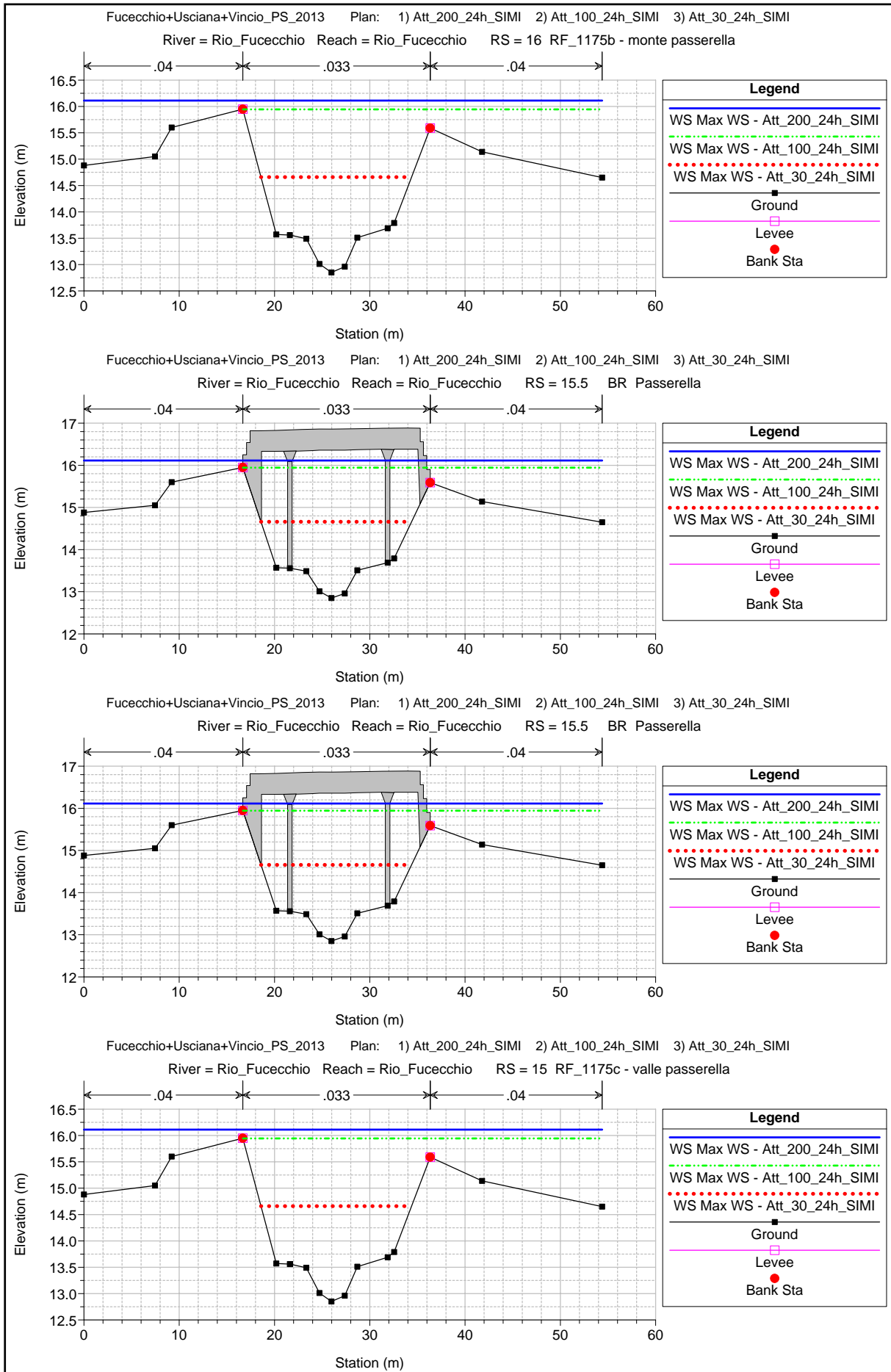


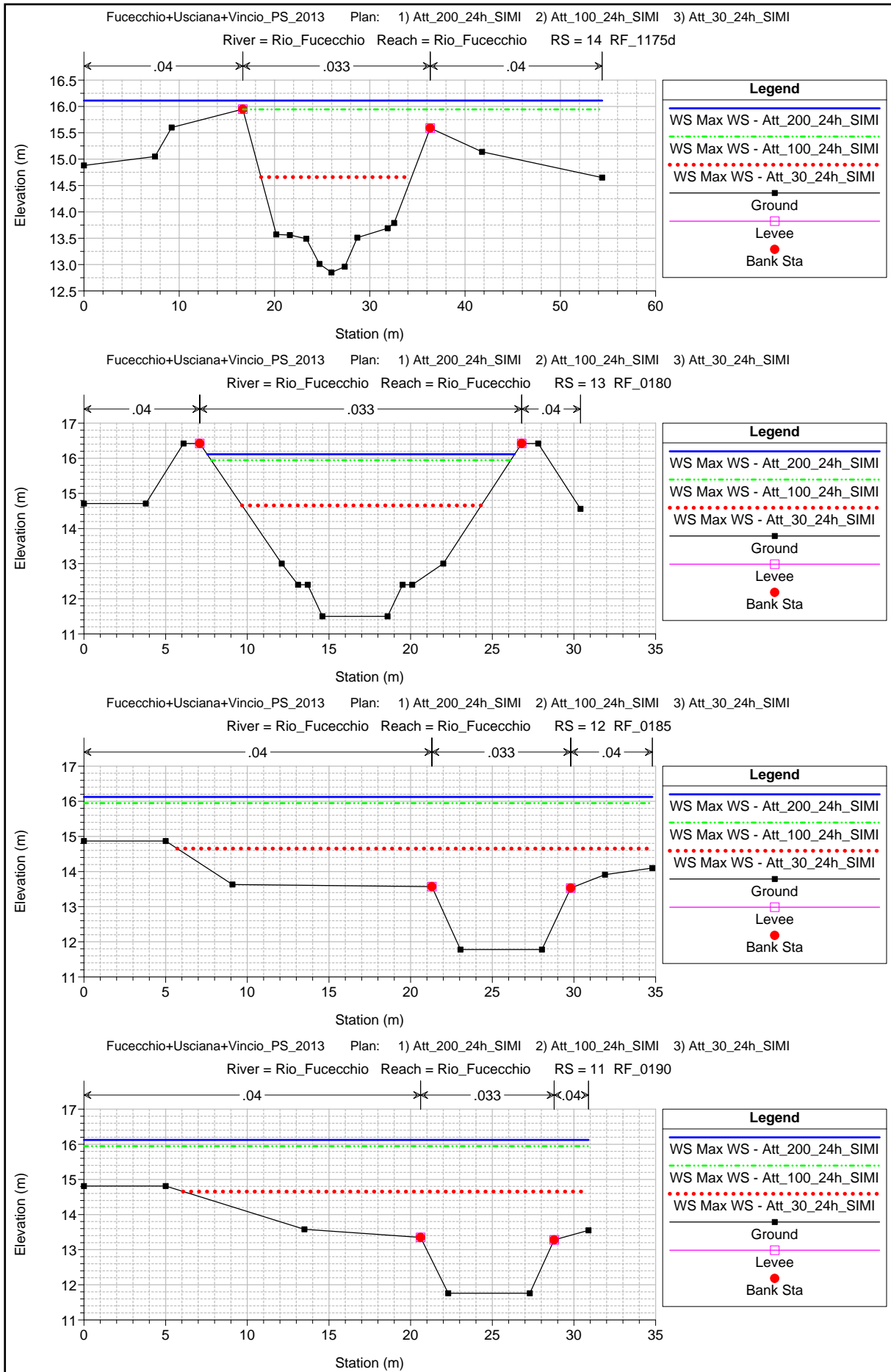


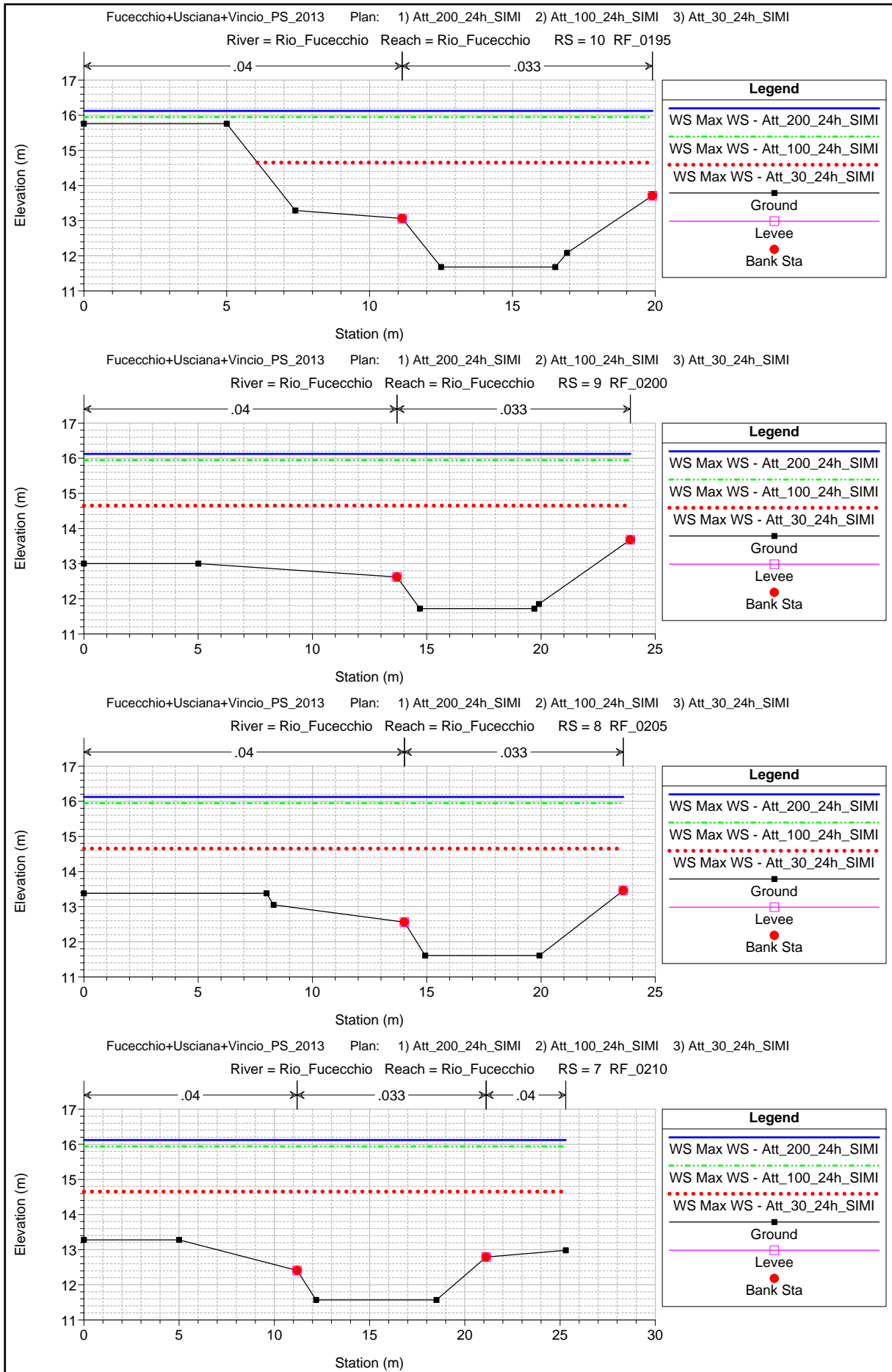


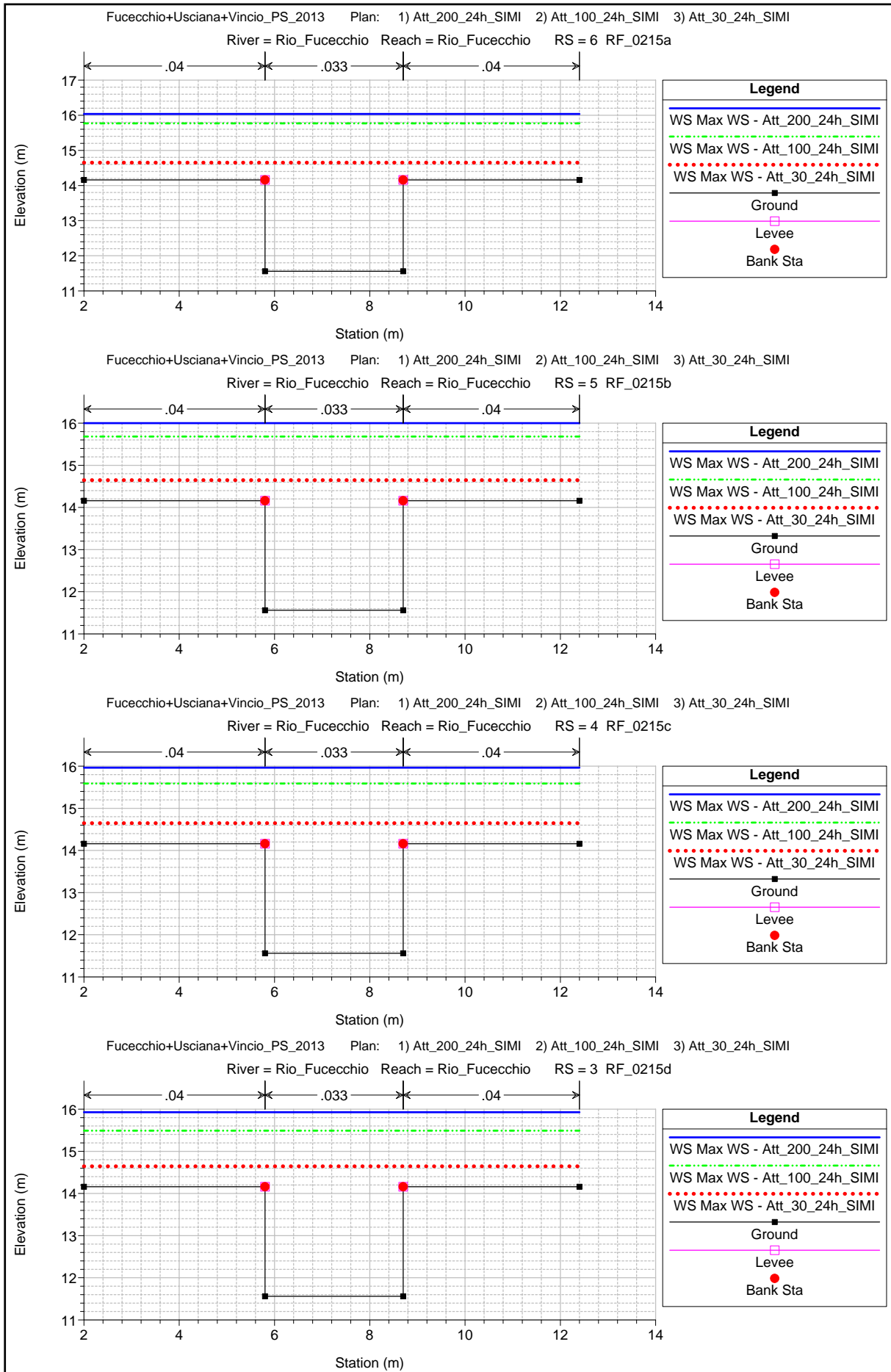












HEC-RAS Locations: User Defined Profile: Max WS

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_Fucecchio	Rio_Fucecchio	28	Att_200_24h_SIMI	26.65	14.52	16.22		16.43	0.005220	2.02	13.19	13.95	0.66
Rio_Fucecchio	Rio_Fucecchio	28	Att_100_24h_SIMI	22.73	14.52	16.12		16.31	0.005294	1.92	11.82	13.65	0.66
Rio_Fucecchio	Rio_Fucecchio	28	Att_30_24h_SIMI	16.14	14.52	15.95		16.09	0.005233	1.70	9.48	13.10	0.64
Rio_Fucecchio	Rio_Fucecchio	27	Att_200_24h_SIMI	7.63	13.90	16.13		16.14	0.000041	0.24	31.24	21.39	0.06
Rio_Fucecchio	Rio_Fucecchio	27	Att_100_24h_SIMI	6.95	13.90	15.97		15.97	0.000049	0.25	27.69	20.77	0.07
Rio_Fucecchio	Rio_Fucecchio	27	Att_30_24h_SIMI	16.14	13.90	15.49		15.53	0.000943	0.89	18.18	18.98	0.29
Rio_Fucecchio	Rio_Fucecchio	26	Att_200_24h_SIMI	7.63	13.90	16.13	14.59	16.14	0.000041	0.24	31.18	21.38	0.06
Rio_Fucecchio	Rio_Fucecchio	26	Att_100_24h_SIMI	6.95	13.90	15.97	14.57	15.97	0.000049	0.25	27.64	20.76	0.07
Rio_Fucecchio	Rio_Fucecchio	26	Att_30_24h_SIMI	16.14	13.90	15.48	14.88	15.52	0.000968	0.90	18.03	18.96	0.29
Rio_Fucecchio	Rio_Fucecchio	25.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	25	Att_200_24h_SIMI	7.63	13.90	16.13		16.14	0.000042	0.24	31.17	21.38	0.06
Rio_Fucecchio	Rio_Fucecchio	25	Att_100_24h_SIMI	6.94	13.90	15.97		15.97	0.000049	0.25	27.63	20.76	0.07
Rio_Fucecchio	Rio_Fucecchio	25	Att_30_24h_SIMI	16.14	13.90	15.47		15.51	0.001009	0.91	17.78	18.91	0.30
Rio_Fucecchio	Rio_Fucecchio	24.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	24.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	24	Att_200_24h_SIMI	7.63	13.90	16.13		16.14	0.000041	0.24	31.22	21.39	0.06
Rio_Fucecchio	Rio_Fucecchio	24	Att_100_24h_SIMI	6.94	13.90	15.97		15.97	0.000049	0.25	27.67	20.76	0.07
Rio_Fucecchio	Rio_Fucecchio	24	Att_30_24h_SIMI	16.14	13.90	15.46		15.51	0.001018	0.91	17.73	18.90	0.30
Rio_Fucecchio	Rio_Fucecchio	23	Att_200_24h_SIMI	7.62	13.04	16.12		16.12	0.000032	0.25	30.21	14.76	0.06
Rio_Fucecchio	Rio_Fucecchio	23	Att_100_24h_SIMI	6.93	13.04	15.95		15.95	0.000034	0.25	27.75	14.33	0.06
Rio_Fucecchio	Rio_Fucecchio	23	Att_30_24h_SIMI	16.14	13.04	15.14		15.19	0.000736	0.95	17.01	12.30	0.26
Rio_Fucecchio	Rio_Fucecchio	22	Att_200_24h_SIMI	7.62	13.39	16.12		16.12	0.000041	0.26	29.39	17.54	0.06
Rio_Fucecchio	Rio_Fucecchio	22	Att_100_24h_SIMI	6.93	13.39	15.95		15.95	0.000046	0.26	26.45	16.98	0.07
Rio_Fucecchio	Rio_Fucecchio	22	Att_30_24h_SIMI	16.14	13.39	15.04		15.13	0.002355	1.31	12.36	14.02	0.44
Rio_Fucecchio	Rio_Fucecchio	21	Att_200_24h_SIMI	7.62	13.39	16.12	14.15	16.12	0.000052	0.35	21.54	17.53	0.08
Rio_Fucecchio	Rio_Fucecchio	21	Att_100_24h_SIMI	6.93	13.39	15.95	14.11	15.95	0.000056	0.35	19.85	16.98	0.08
Rio_Fucecchio	Rio_Fucecchio	21	Att_30_24h_SIMI	16.14	13.39	14.99	14.59	15.11	0.002657	1.55	10.38	13.86	0.48
Rio_Fucecchio	Rio_Fucecchio	20.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	20	Att_200_24h_SIMI	7.62	13.39	16.12		16.12	0.000052	0.35	21.53	17.53	0.08
Rio_Fucecchio	Rio_Fucecchio	20	Att_100_24h_SIMI	6.92	13.39	15.95		15.95	0.000056	0.35	19.85	16.97	0.08
Rio_Fucecchio	Rio_Fucecchio	20	Att_30_24h_SIMI	16.14	13.39	14.95		15.09	0.003000	1.61	10.01	13.73	0.51

HEC-RAS Locations: User Defined 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_Fucecchio	Rio_Fucecchio	19.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	19.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	19	Att_200_24h_SIMI	7.62	13.39	16.12		16.12	0.000041	0.26	29.37	17.54	0.06
Rio_Fucecchio	Rio_Fucecchio	19	Att_100_24h_SIMI	6.93	13.39	15.95		15.95	0.000046	0.26	26.44	16.98	0.07
Rio_Fucecchio	Rio_Fucecchio	19	Att_30_24h_SIMI	16.14	13.39	14.97		15.07	0.003036	1.42	11.37	13.78	0.50
Rio_Fucecchio	Rio_Fucecchio	18	Att_200_24h_SIMI	7.56	12.30	16.11		16.12	0.000014	0.18	41.11	17.02	0.04
Rio_Fucecchio	Rio_Fucecchio	18	Att_100_24h_SIMI	6.92	12.30	15.94		15.95	0.000014	0.18	38.25	16.52	0.04
Rio_Fucecchio	Rio_Fucecchio	18	Att_30_24h_SIMI	3.79	12.30	14.67		14.67	0.000027	0.19	19.57	12.78	0.05
Rio_Fucecchio	Rio_Fucecchio	17	Att_200_24h_SIMI	-10.42	12.85	16.11		16.11	0.000013	-0.18	75.91	54.39	0.04
Rio_Fucecchio	Rio_Fucecchio	17	Att_100_24h_SIMI	-0.56	12.85	15.94		15.94	0.000000	-0.01	57.11	37.71	0.00
Rio_Fucecchio	Rio_Fucecchio	17	Att_30_24h_SIMI	3.75	12.85	14.66		14.66	0.000045	0.21	17.63	15.80	0.06
Rio_Fucecchio	Rio_Fucecchio	16	Att_200_24h_SIMI	-10.42	12.85	16.11		16.11	0.000013	-0.18	75.91	54.39	0.04
Rio_Fucecchio	Rio_Fucecchio	16	Att_100_24h_SIMI	-0.56	12.85	15.94		15.94	0.000000	-0.01	57.11	37.71	0.00
Rio_Fucecchio	Rio_Fucecchio	16	Att_30_24h_SIMI	3.75	12.85	14.66	13.44	14.66	0.000045	0.21	17.63	15.80	0.06
Rio_Fucecchio	Rio_Fucecchio	15.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	15	Att_200_24h_SIMI	-10.42	12.85	16.11		16.11	0.000013	-0.18	75.93	54.39	0.04
Rio_Fucecchio	Rio_Fucecchio	15	Att_100_24h_SIMI	-0.56	12.85	15.94		15.94	0.000000	-0.01	57.11	37.71	0.00
Rio_Fucecchio	Rio_Fucecchio	15	Att_30_24h_SIMI	3.75	12.85	14.66		14.66	0.000045	0.21	17.62	15.80	0.06
Rio_Fucecchio	Rio_Fucecchio	14	Att_200_24h_SIMI	-10.42	12.85	16.11		16.11	0.000013	-0.18	75.93	54.39	0.04
Rio_Fucecchio	Rio_Fucecchio	14	Att_100_24h_SIMI	-0.55	12.85	15.94		15.94	0.000000	-0.01	57.11	37.71	0.00
Rio_Fucecchio	Rio_Fucecchio	14	Att_30_24h_SIMI	3.75	12.85	14.66		14.66	0.000045	0.21	17.61	15.80	0.06
Rio_Fucecchio	Rio_Fucecchio	13.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	13.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	13	Att_200_24h_SIMI	-12.77	11.50	16.11		16.12	0.000018	-0.24	54.16	18.83	0.04
Rio_Fucecchio	Rio_Fucecchio	13	Att_100_24h_SIMI	-3.31	11.50	15.94		15.94	0.000001	-0.06	51.02	18.34	0.01
Rio_Fucecchio	Rio_Fucecchio	13	Att_30_24h_SIMI	3.75	11.50	14.66		14.66	0.000008	0.13	29.82	14.65	0.03
Rio_Fucecchio	Rio_Fucecchio	12	Att_200_24h_SIMI	-3.73	11.78	16.12		16.12	0.000001	-0.06	89.74	34.80	0.01
Rio_Fucecchio	Rio_Fucecchio	12	Att_100_24h_SIMI	-3.25	11.78	15.95		15.95	0.000001	-0.05	83.56	34.80	0.01
Rio_Fucecchio	Rio_Fucecchio	12	Att_30_24h_SIMI	3.71	11.78	14.66		14.66	0.000006	0.12	39.81	29.09	0.03

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

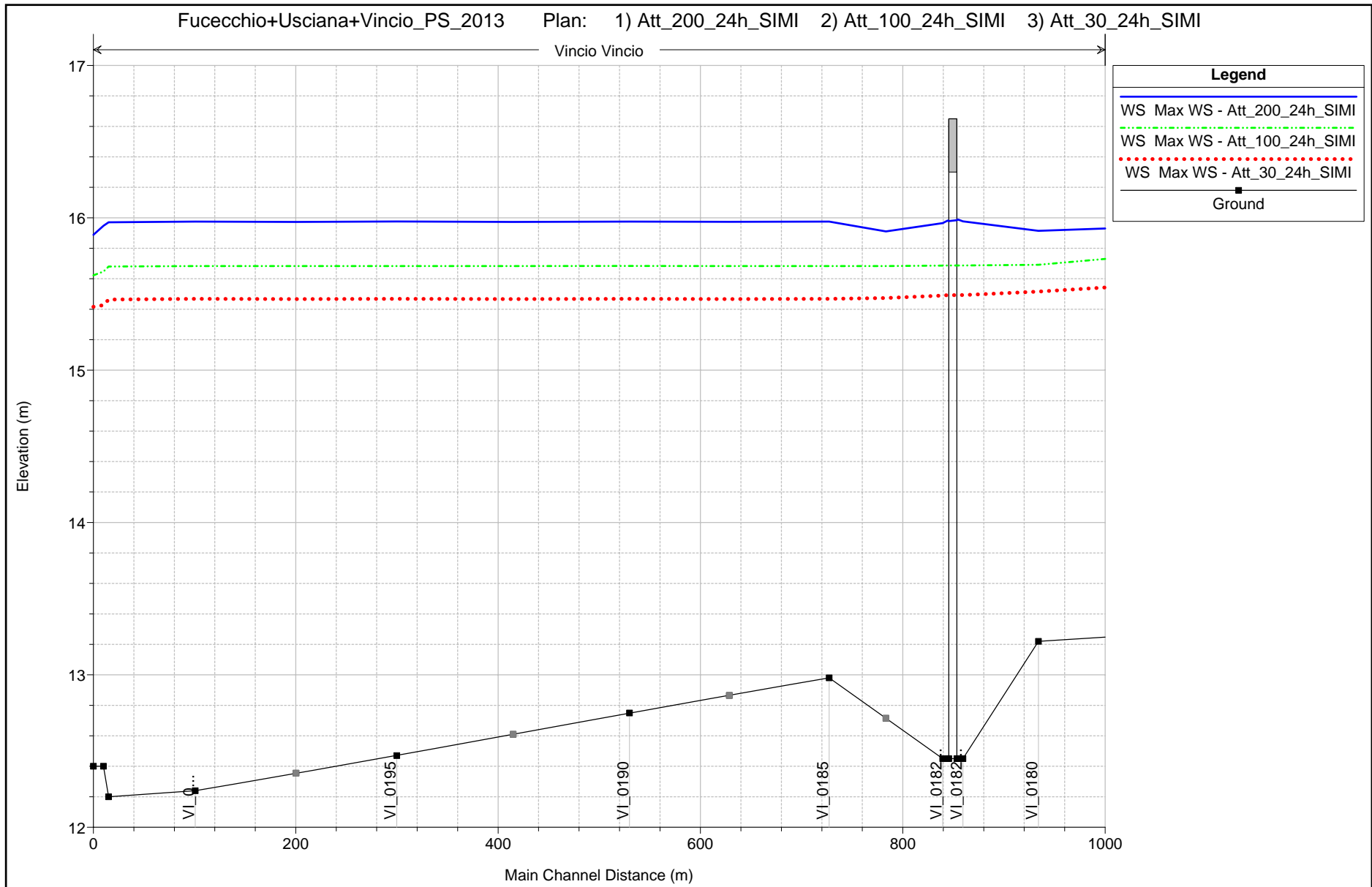
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio_Fucecchio	Rio_Fucecchio	11.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	11	Att_200_24h_SIMI	-1.97	11.76	16.12		16.12	0.000000	-0.03	80.77	30.89	0.01
Rio_Fucecchio	Rio_Fucecchio	11	Att_100_24h_SIMI	-2.04	11.76	15.95		15.95	0.000000	-0.04	75.28	30.89	0.01
Rio_Fucecchio	Rio_Fucecchio	11	Att_30_24h_SIMI	2.01	11.76	14.66		14.66	0.000002	0.07	36.28	24.82	0.01
Rio_Fucecchio	Rio_Fucecchio	10	Att_200_24h_SIMI	-2.09	11.68	16.12		16.12	0.000001	-0.05	50.96	19.90	0.01
Rio_Fucecchio	Rio_Fucecchio	10	Att_100_24h_SIMI	-2.51	11.68	15.95		15.95	0.000001	-0.06	47.42	19.90	0.01
Rio_Fucecchio	Rio_Fucecchio	10	Att_30_24h_SIMI	0.78	11.68	14.66		14.66	0.000000	0.03	27.86	13.83	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_200_24h_SIMI	-3.06	11.72	16.12		16.12	0.000000	-0.04	84.77	23.91	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_100_24h_SIMI	-4.85	11.72	15.95		15.95	0.000001	-0.07	80.52	23.91	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_30_24h_SIMI	0.46	11.72	14.66		14.66	0.000000	0.01	49.67	23.91	0.00
Rio_Fucecchio	Rio_Fucecchio	8	Att_200_24h_SIMI	-6.89	11.61	16.12		16.12	0.000002	-0.10	81.22	23.60	0.02
Rio_Fucecchio	Rio_Fucecchio	8	Att_100_24h_SIMI	-11.51	11.61	15.95		15.95	0.000008	-0.18	77.03	23.60	0.03
Rio_Fucecchio	Rio_Fucecchio	8	Att_30_24h_SIMI	0.45	11.61	14.66		14.66	0.000000	0.01	46.57	23.60	0.00
Rio_Fucecchio	Rio_Fucecchio	7	Att_200_24h_SIMI	17.07	11.57	16.12		16.12	0.000010	0.24	91.15	25.30	0.04
Rio_Fucecchio	Rio_Fucecchio	7	Att_100_24h_SIMI	24.46	11.57	15.94		15.94	0.000024	0.37	86.57	25.30	0.06
Rio_Fucecchio	Rio_Fucecchio	7	Att_30_24h_SIMI	3.06	11.57	14.65		14.65	0.000002	0.07	54.09	25.30	0.01
Rio_Fucecchio	Rio_Fucecchio	6	Att_200_24h_SIMI	23.71	11.56	16.04		16.08	0.000857	1.01	27.04	10.40	0.15
Rio_Fucecchio	Rio_Fucecchio	6	Att_100_24h_SIMI	32.18	11.56	15.77		15.87	0.002160	1.54	24.26	10.40	0.24
Rio_Fucecchio	Rio_Fucecchio	6	Att_30_24h_SIMI	3.70	11.56	14.65		14.66	0.000167	0.35	12.64	10.40	0.06
Rio_Fucecchio	Rio_Fucecchio	5	Att_200_24h_SIMI	23.71	11.56	16.00		16.04	0.000893	1.02	26.66	10.40	0.16
Rio_Fucecchio	Rio_Fucecchio	5	Att_100_24h_SIMI	32.13	11.56	15.68		15.79	0.002403	1.60	23.36	10.40	0.25
Rio_Fucecchio	Rio_Fucecchio	5	Att_30_24h_SIMI	3.70	11.56	14.65		14.65	0.000167	0.35	12.62	10.40	0.06
Rio_Fucecchio	Rio_Fucecchio	4	Att_200_24h_SIMI	23.16	11.56	15.96		16.01	0.000887	1.02	26.29	10.40	0.15
Rio_Fucecchio	Rio_Fucecchio	4	Att_100_24h_SIMI	32.13	11.56	15.59		15.70	0.002713	1.67	22.39	10.40	0.27
Rio_Fucecchio	Rio_Fucecchio	4	Att_30_24h_SIMI	3.70	11.56	14.65		14.65	0.000168	0.35	12.60	10.40	0.06
Rio_Fucecchio	Rio_Fucecchio	3	Att_200_24h_SIMI	23.15	11.56	15.93		15.97	0.000924	1.03	25.91	10.40	0.16
Rio_Fucecchio	Rio_Fucecchio	3	Att_100_24h_SIMI	32.11	11.56	15.49		15.62	0.003103	1.76	21.35	10.40	0.28
Rio_Fucecchio	Rio_Fucecchio	3	Att_30_24h_SIMI	3.70	11.56	14.64		14.65	0.000168	0.35	12.58	10.40	0.06

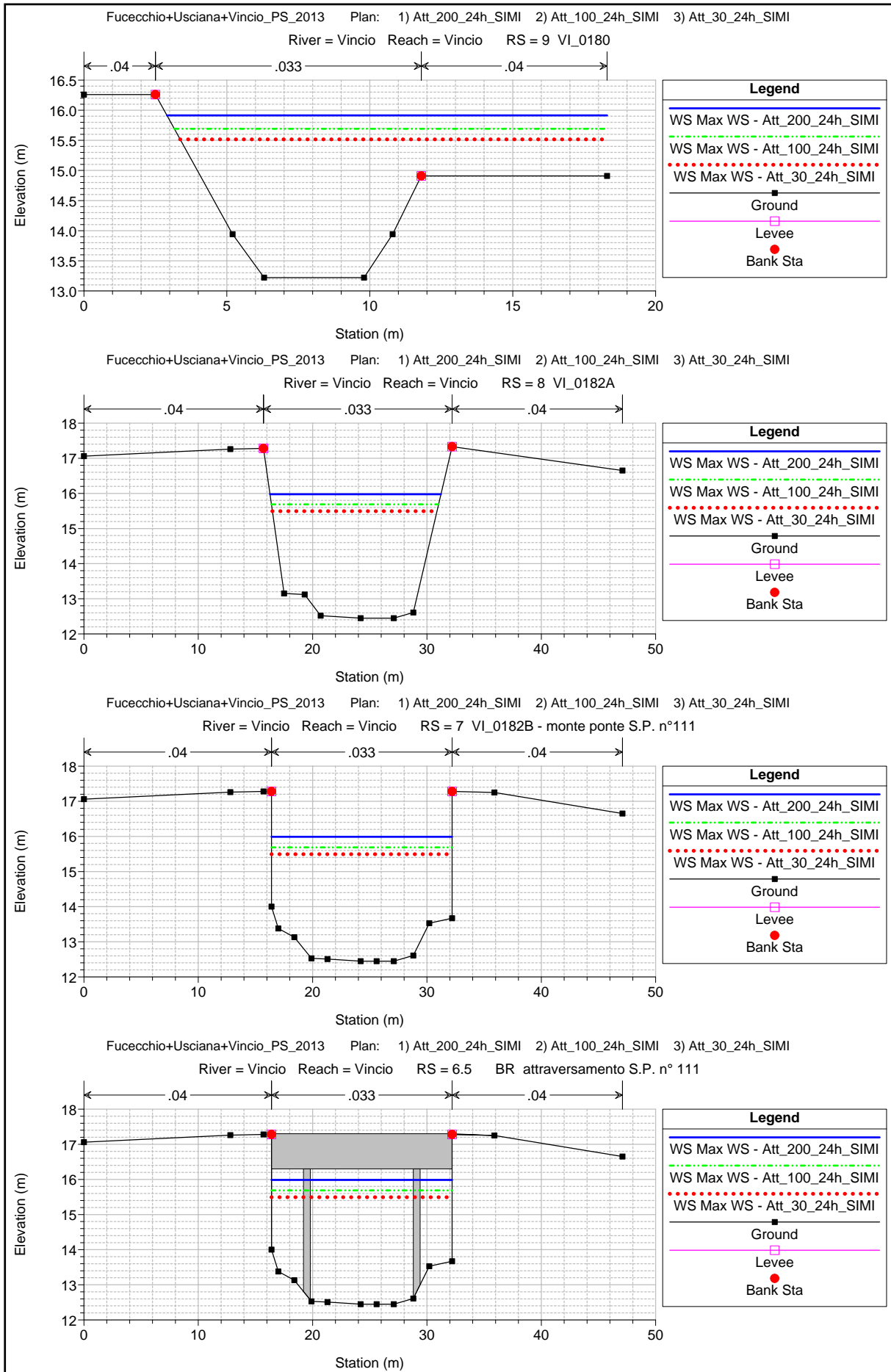
Scenario C

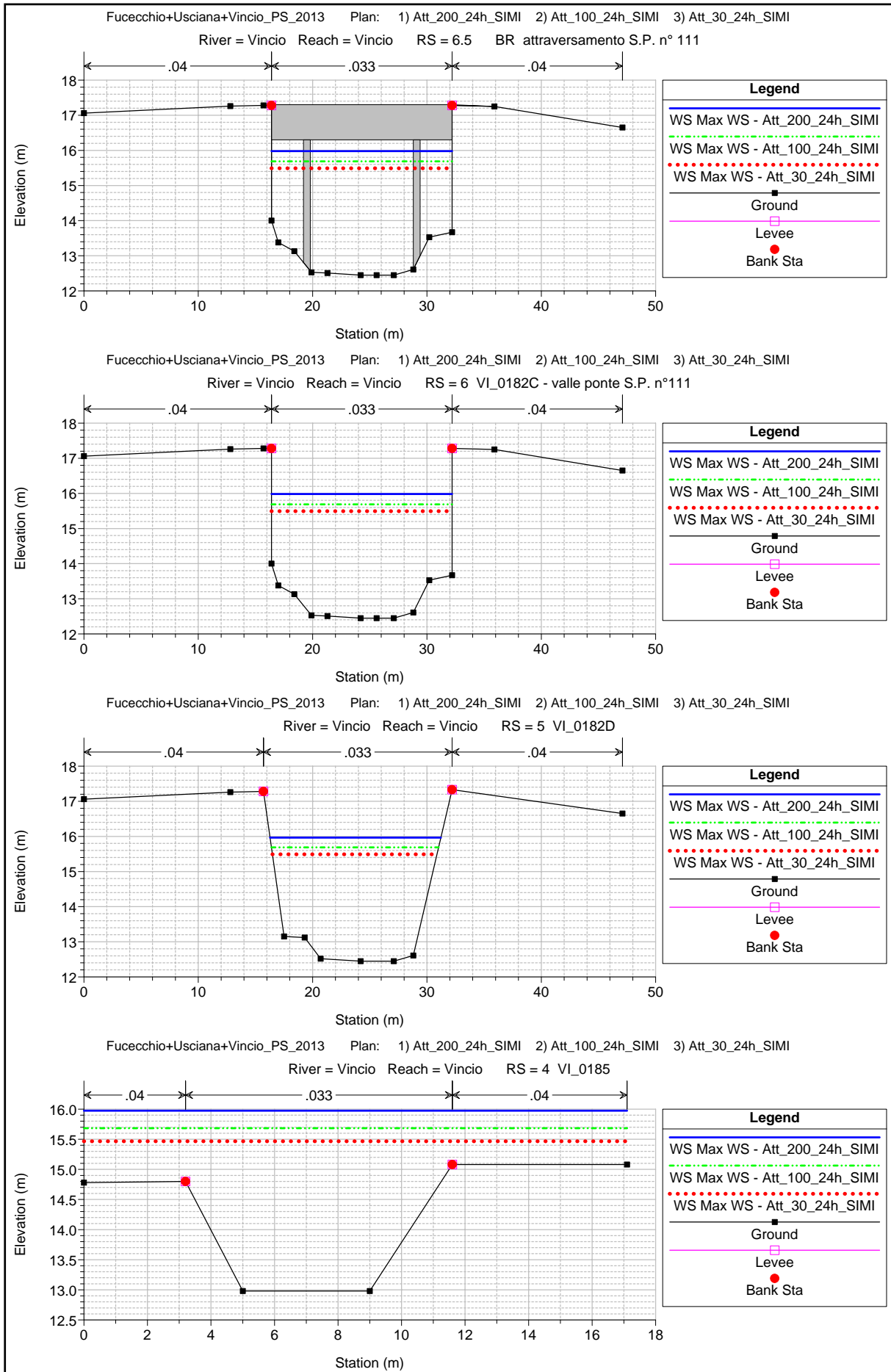
Tr 200, 100 e 30 anni

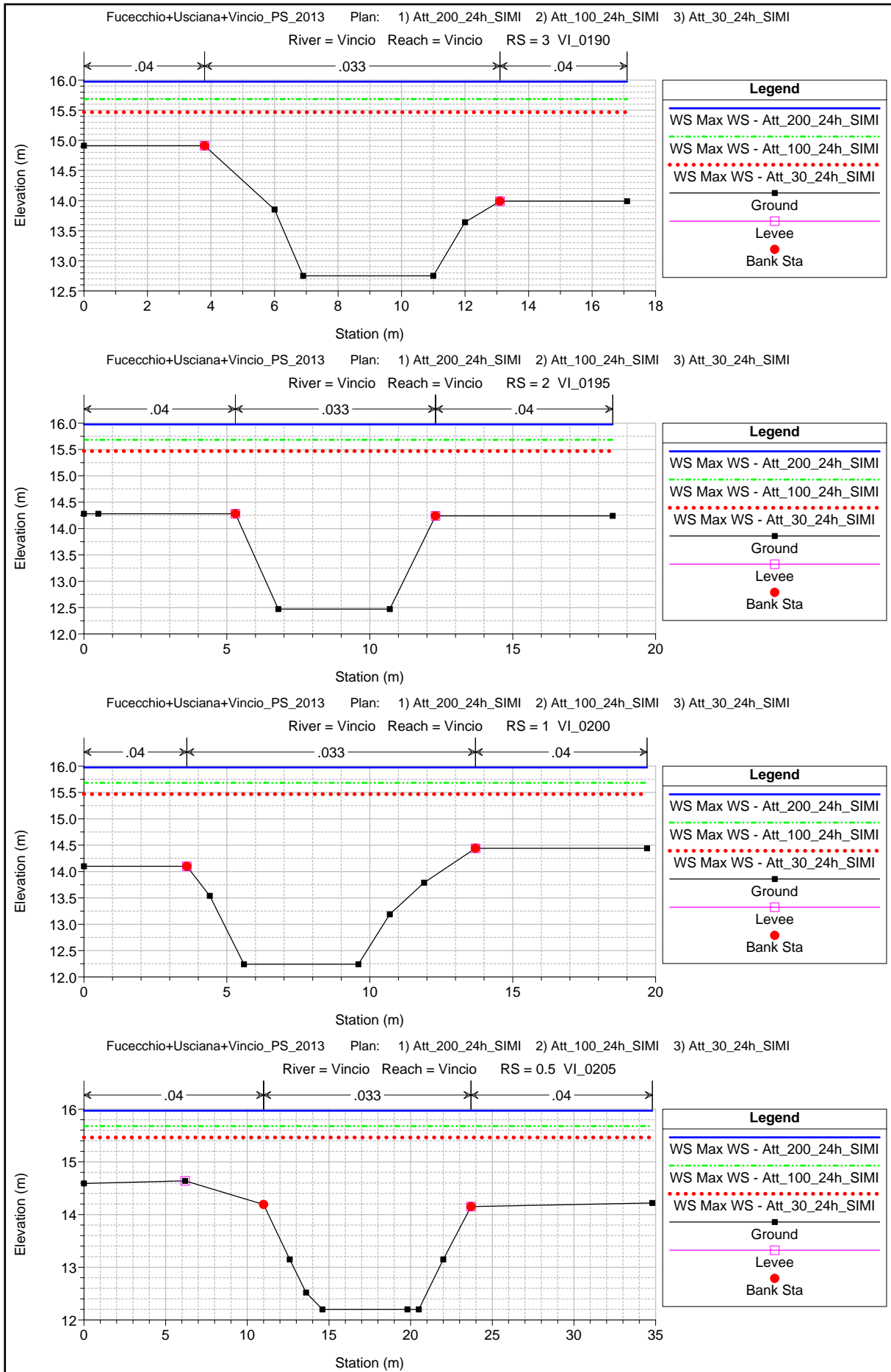
TORRENTE VINCIO

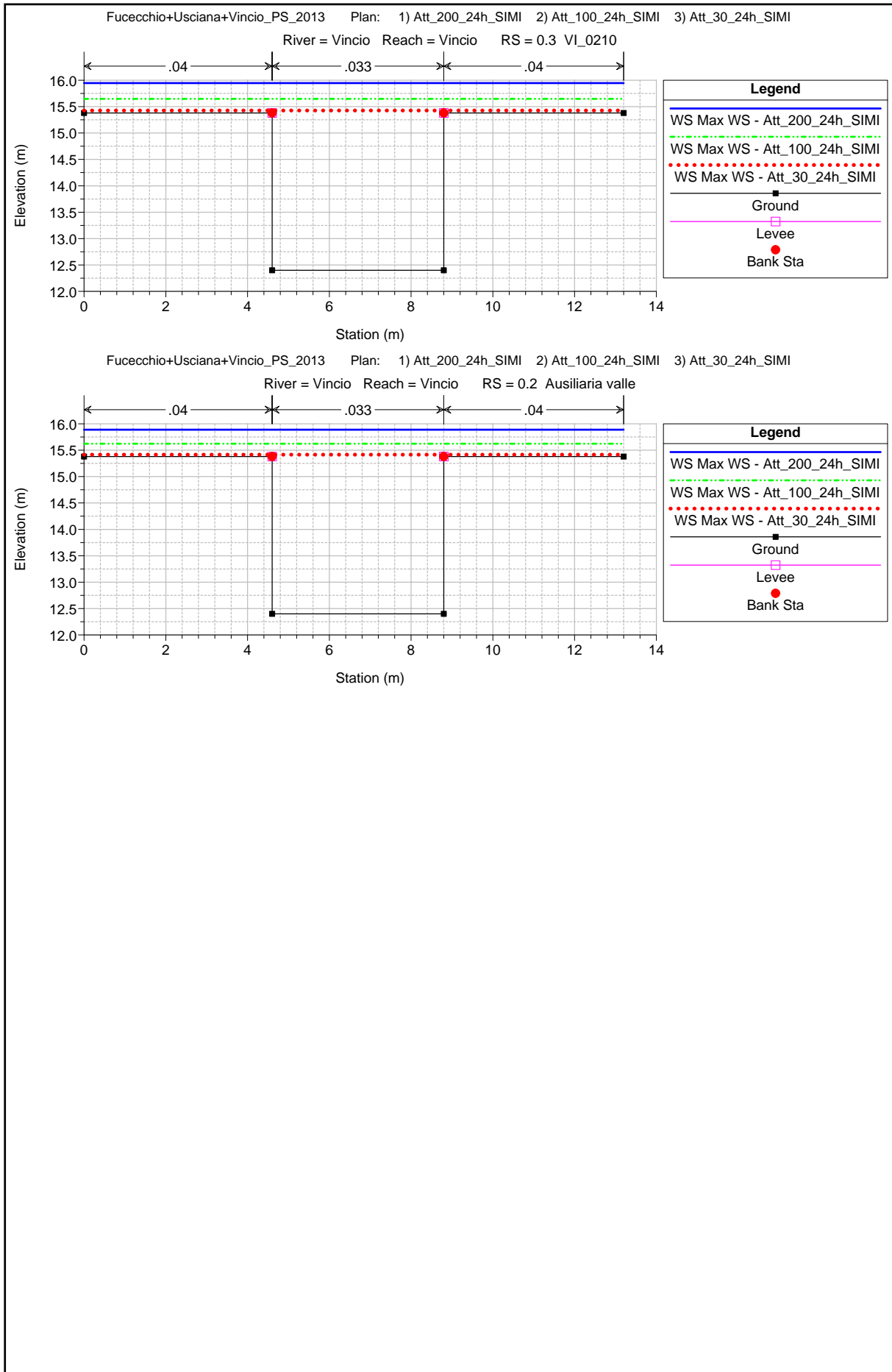
- **Profili**
- **Sezioni**
- **Tabelle di Output**











HEC-RAS Locations: User Defined 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
Vincio	Vincio	9	Att_200_24h_SIMI	27.68	13.22	15.91		15.99	0.000871	1.29	24.62	15.40	0.29
Vincio	Vincio	9	Att_100_24h_SIMI	5.50	13.22	15.69		15.70	0.000051	0.30	21.22	15.14	0.07
Vincio	Vincio	9	Att_30_24h_SIMI	12.65	13.22	15.52		15.54	0.000386	0.78	18.57	14.93	0.19
Vincio	Vincio	8	Att_200_24h_SIMI	48.34	12.45	15.98		16.04	0.000430	1.11	43.66	14.96	0.21
Vincio	Vincio	8	Att_100_24h_SIMI	7.81	12.45	15.69		15.69	0.000015	0.20	39.38	14.62	0.04
Vincio	Vincio	8	Att_30_24h_SIMI	16.08	12.45	15.49		15.50	0.000079	0.44	36.56	14.40	0.09
Vincio	Vincio	7	Att_200_24h_SIMI	48.34	12.45	15.99	13.80	16.04	0.000316	0.97	49.99	15.80	0.17
Vincio	Vincio	7	Att_100_24h_SIMI	8.03	12.45	15.69	12.92	15.69	0.000012	0.18	45.22	15.80	0.03
Vincio	Vincio	7	Att_30_24h_SIMI	16.06	12.45	15.49	13.16	15.50	0.000058	0.38	42.17	15.80	0.07
Vincio	Vincio	6.5		Bridge									
Vincio	Vincio	6	Att_200_24h_SIMI	48.34	12.45	15.98		16.03	0.000318	0.97	49.87	15.80	0.17
Vincio	Vincio	6	Att_100_24h_SIMI	7.81	12.45	15.69		15.69	0.000011	0.17	45.22	15.80	0.03
Vincio	Vincio	6	Att_30_24h_SIMI	16.03	12.45	15.49		15.50	0.000058	0.38	42.14	15.80	0.07
Vincio	Vincio	5	Att_200_24h_SIMI	48.34	12.45	15.97		16.03	0.000435	1.11	43.49	14.94	0.21
Vincio	Vincio	5	Att_100_24h_SIMI	7.81	12.45	15.69		15.69	0.000015	0.20	39.38	14.62	0.04
Vincio	Vincio	5	Att_30_24h_SIMI	16.02	12.45	15.49		15.50	0.000079	0.44	36.51	14.39	0.09
Vincio	Vincio	4.99		Lat Struct									
Vincio	Vincio	4.98		Lat Struct									
Vincio	Vincio	4	Att_200_24h_SIMI	11.65	12.98	15.98		15.99	0.000091	0.47	29.51	17.10	0.10
Vincio	Vincio	4	Att_100_24h_SIMI	4.51	12.98	15.68		15.69	0.000023	0.22	24.52	17.10	0.05
Vincio	Vincio	4	Att_30_24h_SIMI	11.36	12.98	15.47		15.49	0.000218	0.63	20.84	17.10	0.14
Vincio	Vincio	3	Att_200_24h_SIMI	6.13	12.75	15.98		15.98	0.000014	0.20	36.29	17.10	0.04
Vincio	Vincio	3	Att_100_24h_SIMI	-0.10	12.75	15.68		15.68	0.000000	0.00	31.30	17.10	0.00
Vincio	Vincio	3	Att_30_24h_SIMI	6.06	12.75	15.47		15.47	0.000031	0.26	27.61	17.10	0.06
Vincio	Vincio	2	Att_200_24h_SIMI	-0.92	12.47	15.98		15.98	0.000000	-0.03	41.52	18.50	0.01
Vincio	Vincio	2	Att_100_24h_SIMI	-3.18	12.47	15.68		15.68	0.000005	-0.11	36.11	18.50	0.02
Vincio	Vincio	2	Att_30_24h_SIMI	-2.70	12.47	15.47		15.47	0.000005	-0.11	32.13	18.50	0.02

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

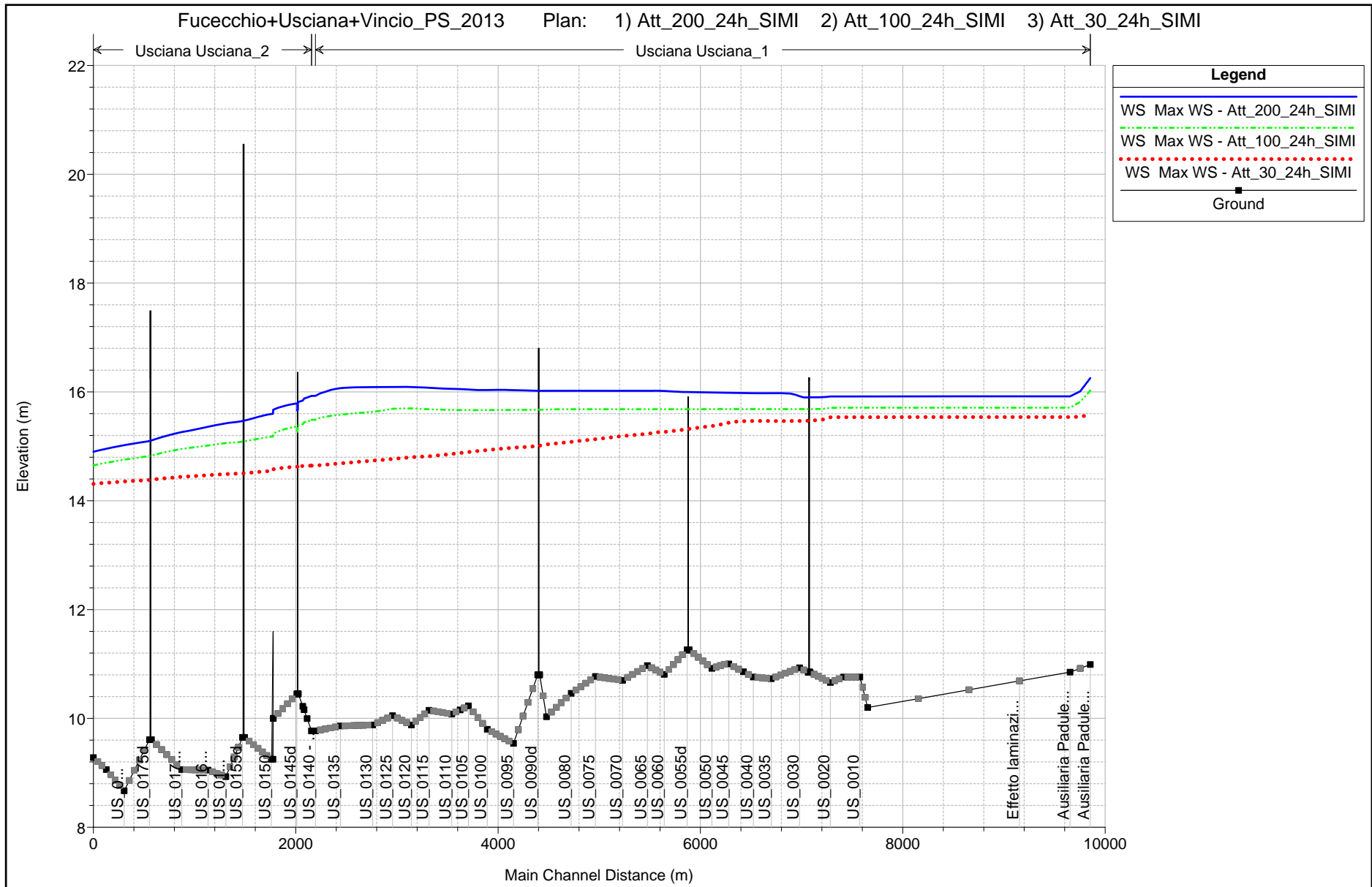
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Vincio	Vincio	1	Att_200_24h_SIMI	-5.56	12.24	15.98		15.98	0.000006	-0.15	46.25	19.70	0.03
Vincio	Vincio	1	Att_100_24h_SIMI	-8.24	12.24	15.68		15.69	0.000020	-0.24	40.50	19.70	0.05
Vincio	Vincio	1	Att_30_24h_SIMI	-7.69	12.24	15.47		15.47	0.000025	-0.25	36.26	19.70	0.05
Vincio	Vincio	0.5	Att_200_24h_SIMI	13.27	12.20	15.97		15.97	0.000012	0.22	77.25	34.80	0.04
Vincio	Vincio	0.5	Att_100_24h_SIMI	14.35	12.20	15.68		15.68	0.000022	0.28	67.14	34.80	0.05
Vincio	Vincio	0.5	Att_30_24h_SIMI	13.99	12.20	15.46		15.47	0.000029	0.30	59.59	34.80	0.06
Vincio	Vincio	0.3	Att_200_24h_SIMI	13.27	12.40	15.95		15.98	0.000560	0.78	20.01	13.20	0.13
Vincio	Vincio	0.3	Att_100_24h_SIMI	14.35	12.40	15.65		15.70	0.001043	1.00	16.04	13.20	0.18
Vincio	Vincio	0.3	Att_30_24h_SIMI	13.99	12.40	15.43		15.49	0.001371	1.10	13.13	13.20	0.20
Vincio	Vincio	0.2	Att_200_24h_SIMI	16.77	12.40	15.89	13.58	15.94	0.000977	1.02	19.23	13.20	0.17
Vincio	Vincio	0.2	Att_100_24h_SIMI	15.21	12.40	15.62	13.50	15.68	0.001216	1.08	15.72	13.20	0.19
Vincio	Vincio	0.2	Att_30_24h_SIMI	13.99	12.40	15.42	13.44	15.48	0.001390	1.10	12.99	13.20	0.20

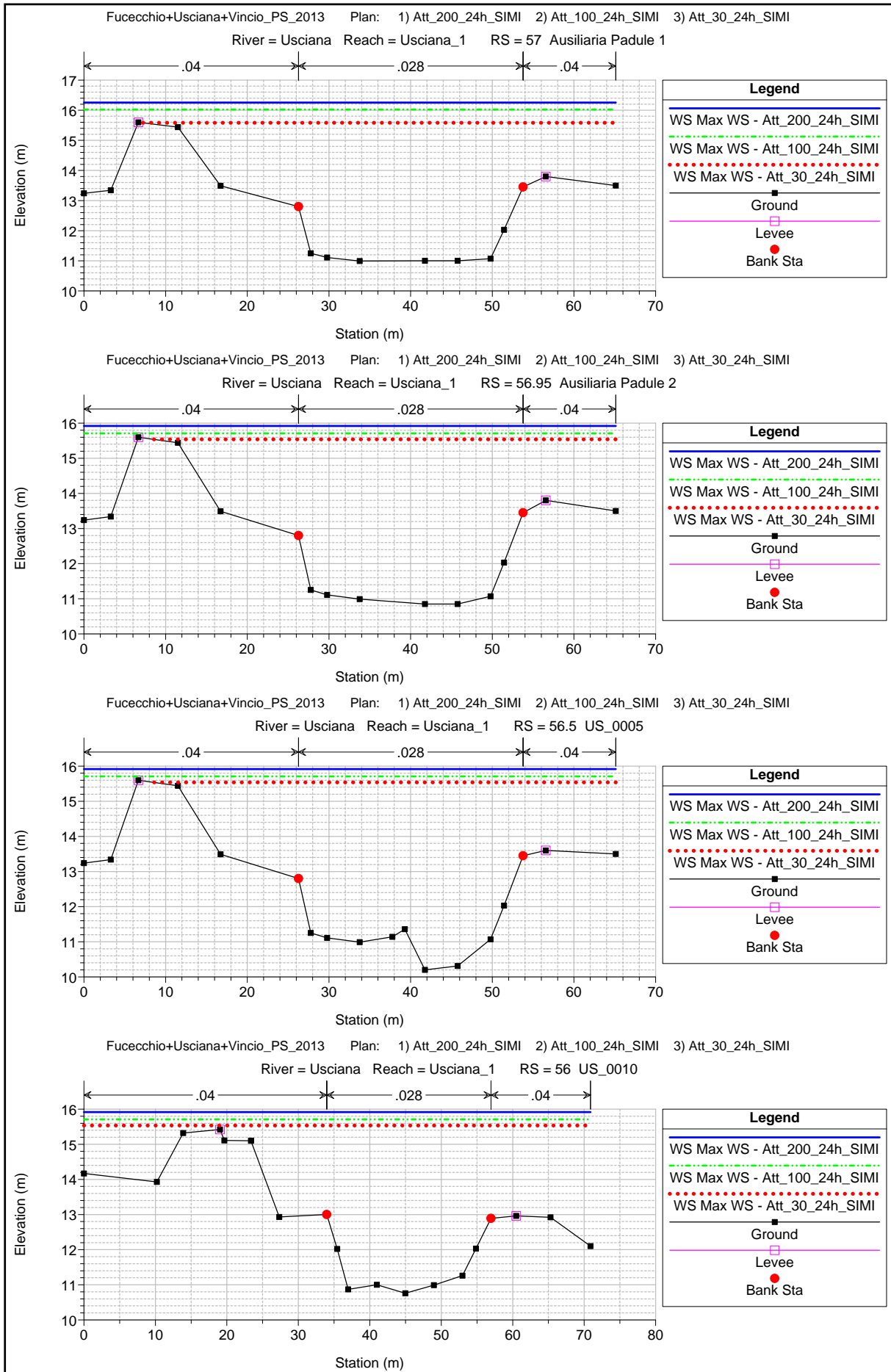
Scenario C

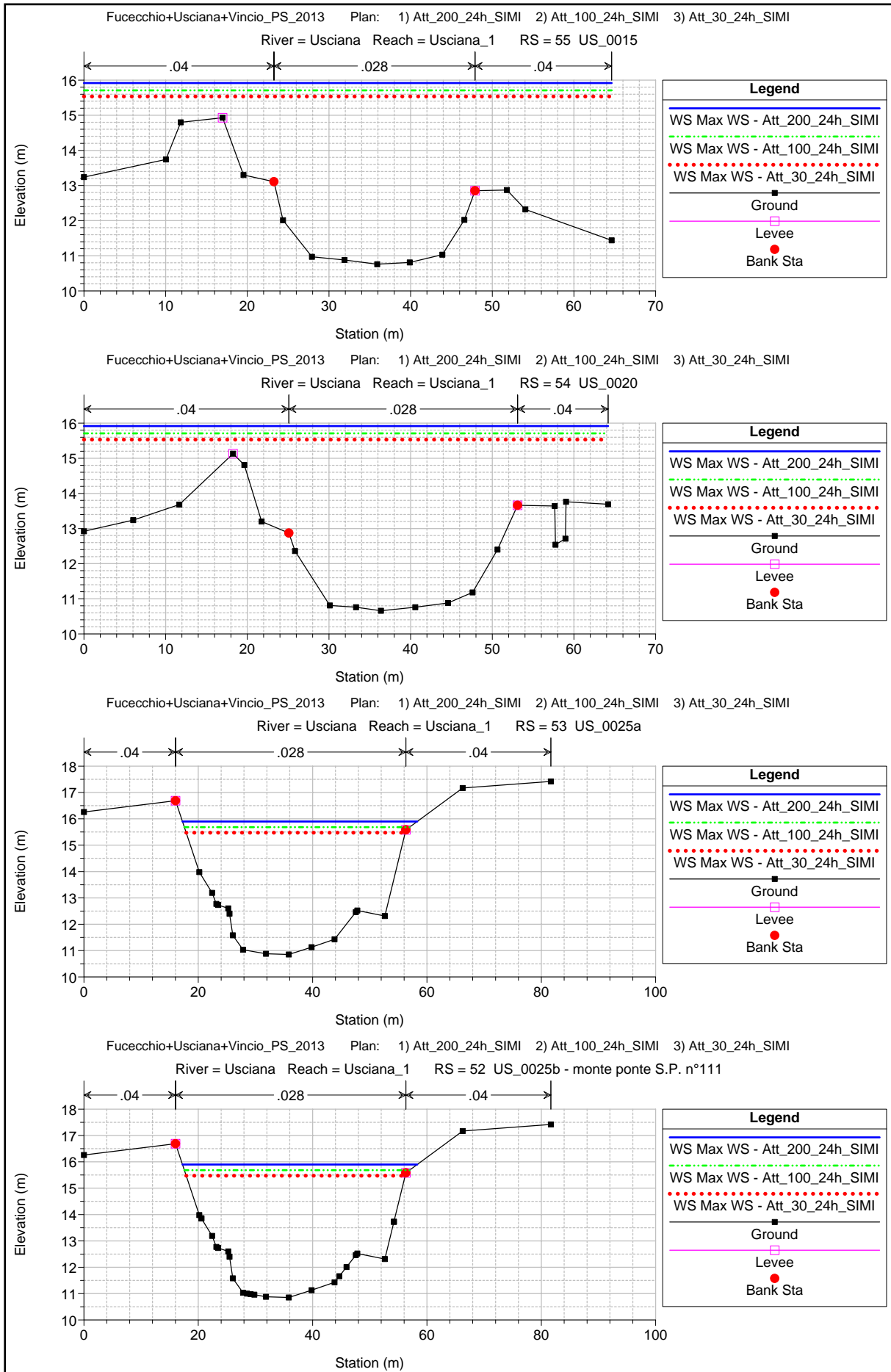
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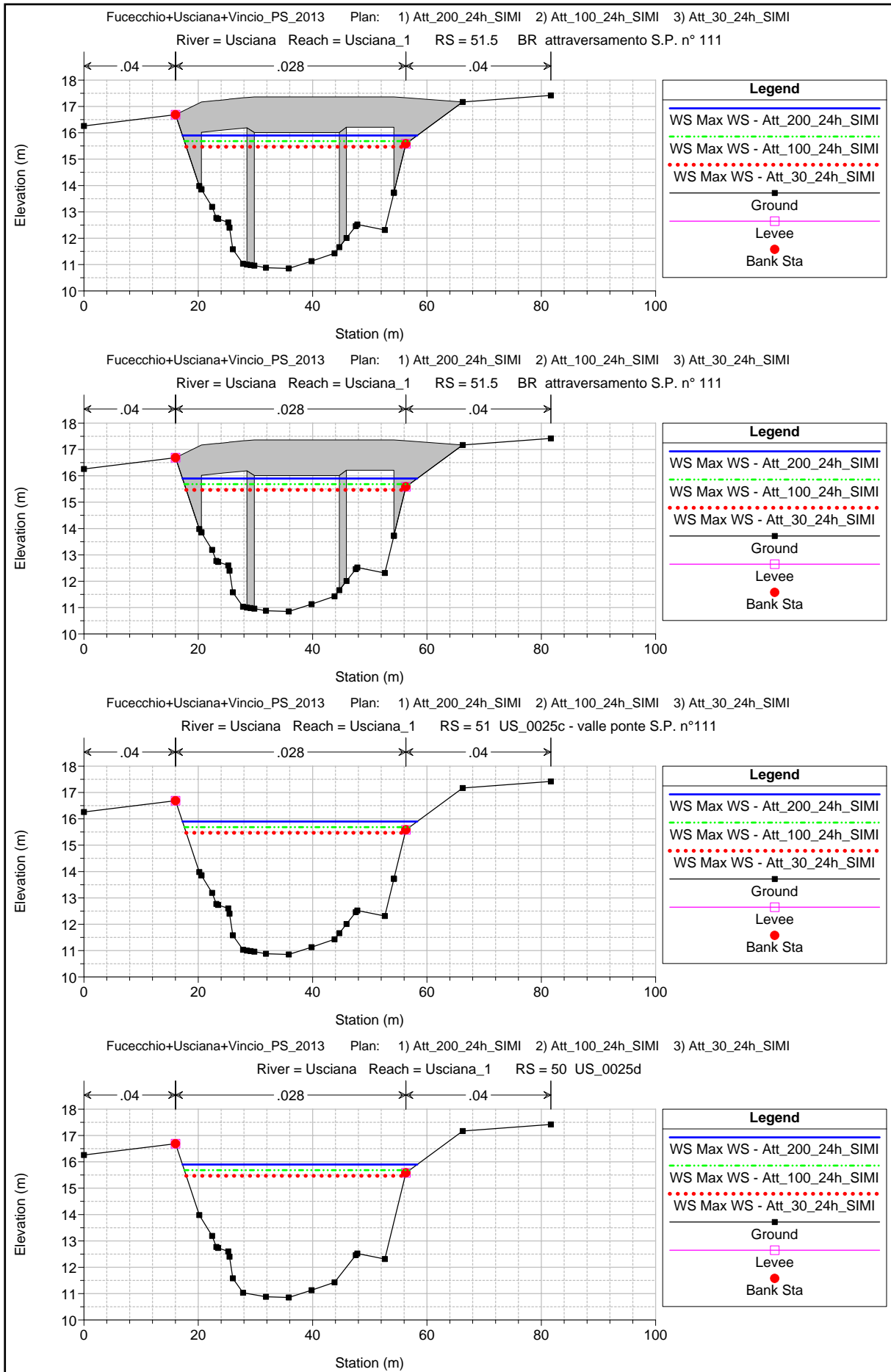
CANALE USCIANA

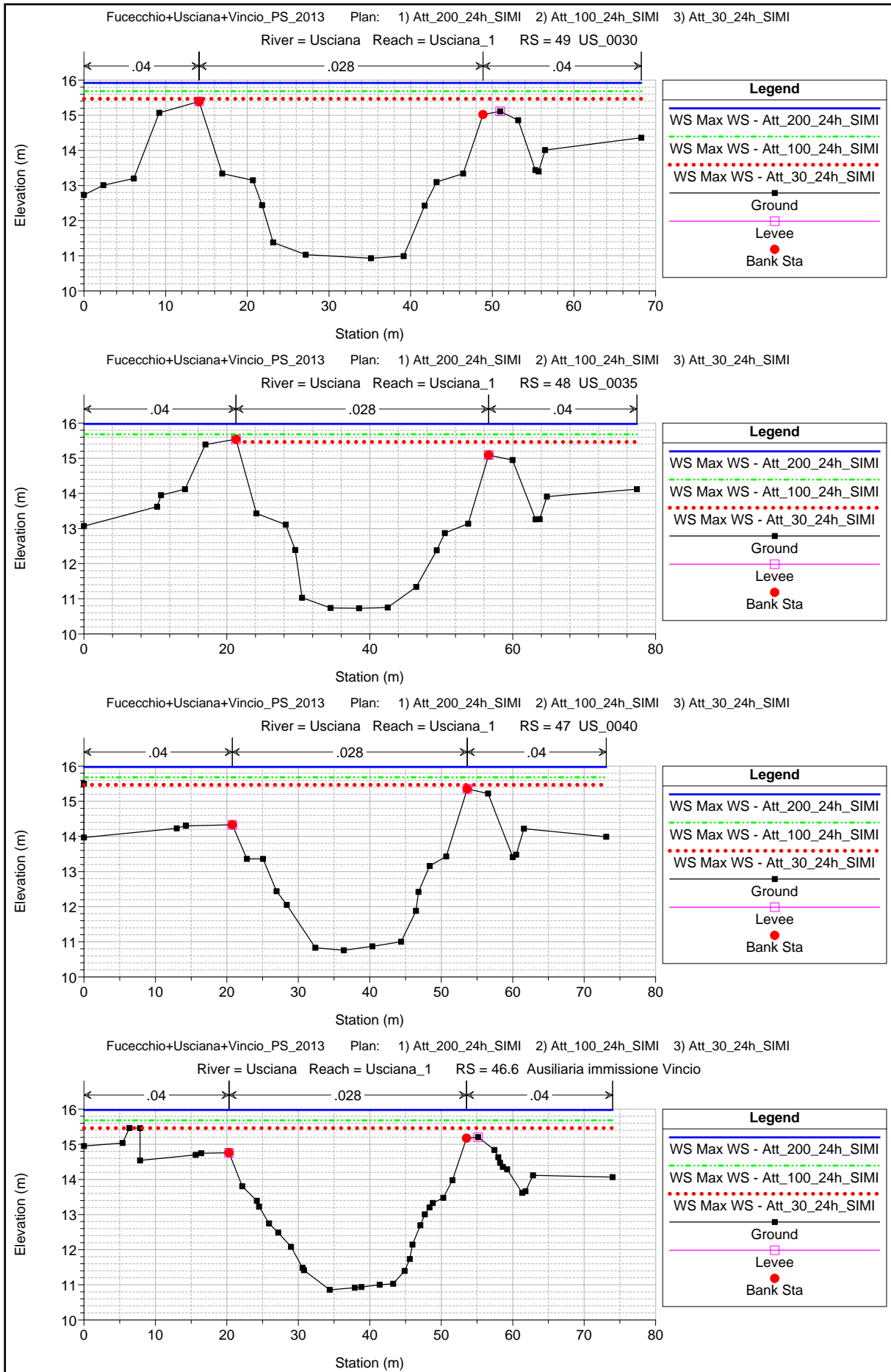
- **Profili**
- **Sezioni**
- **Tabelle di Output**

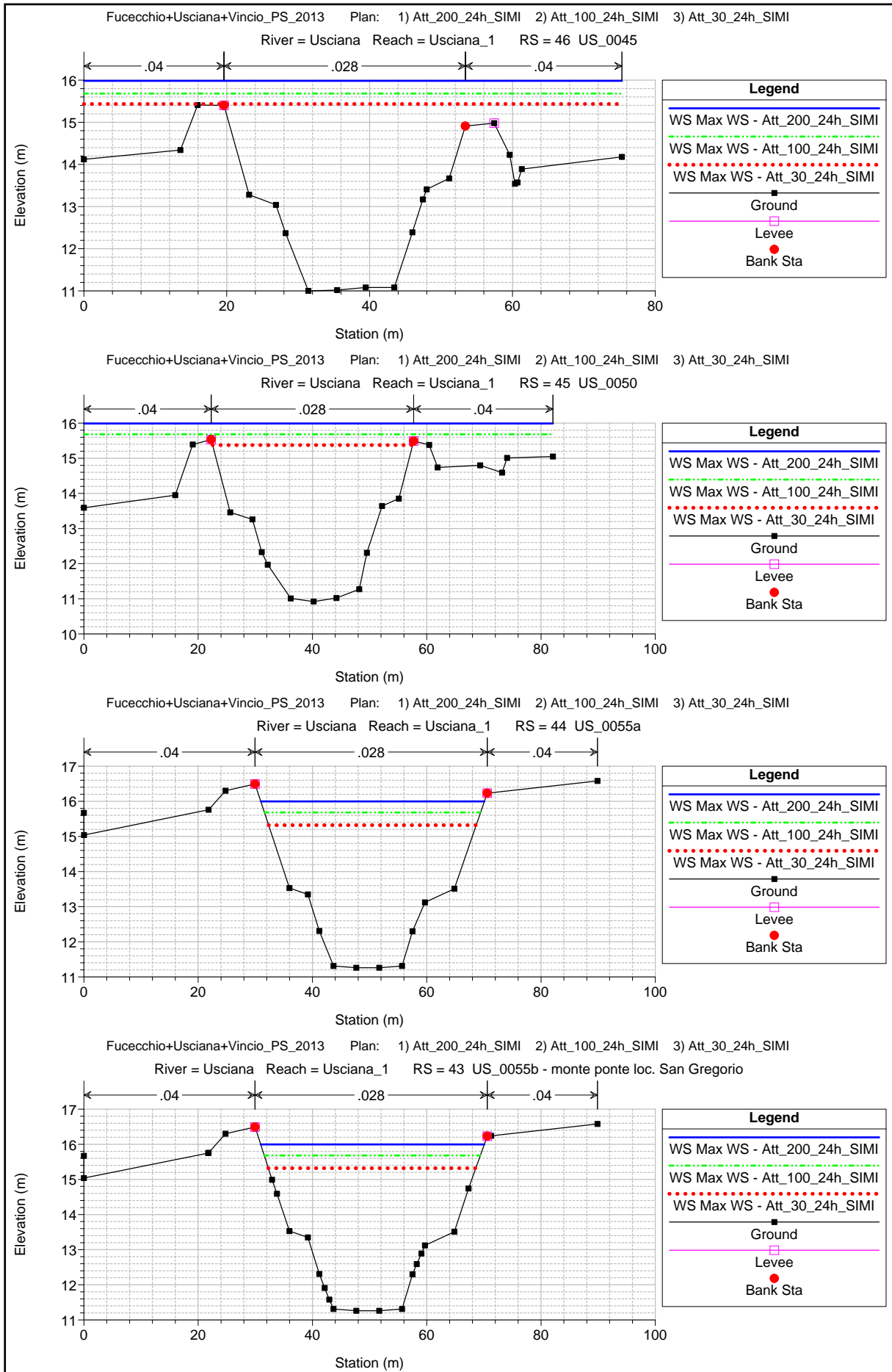


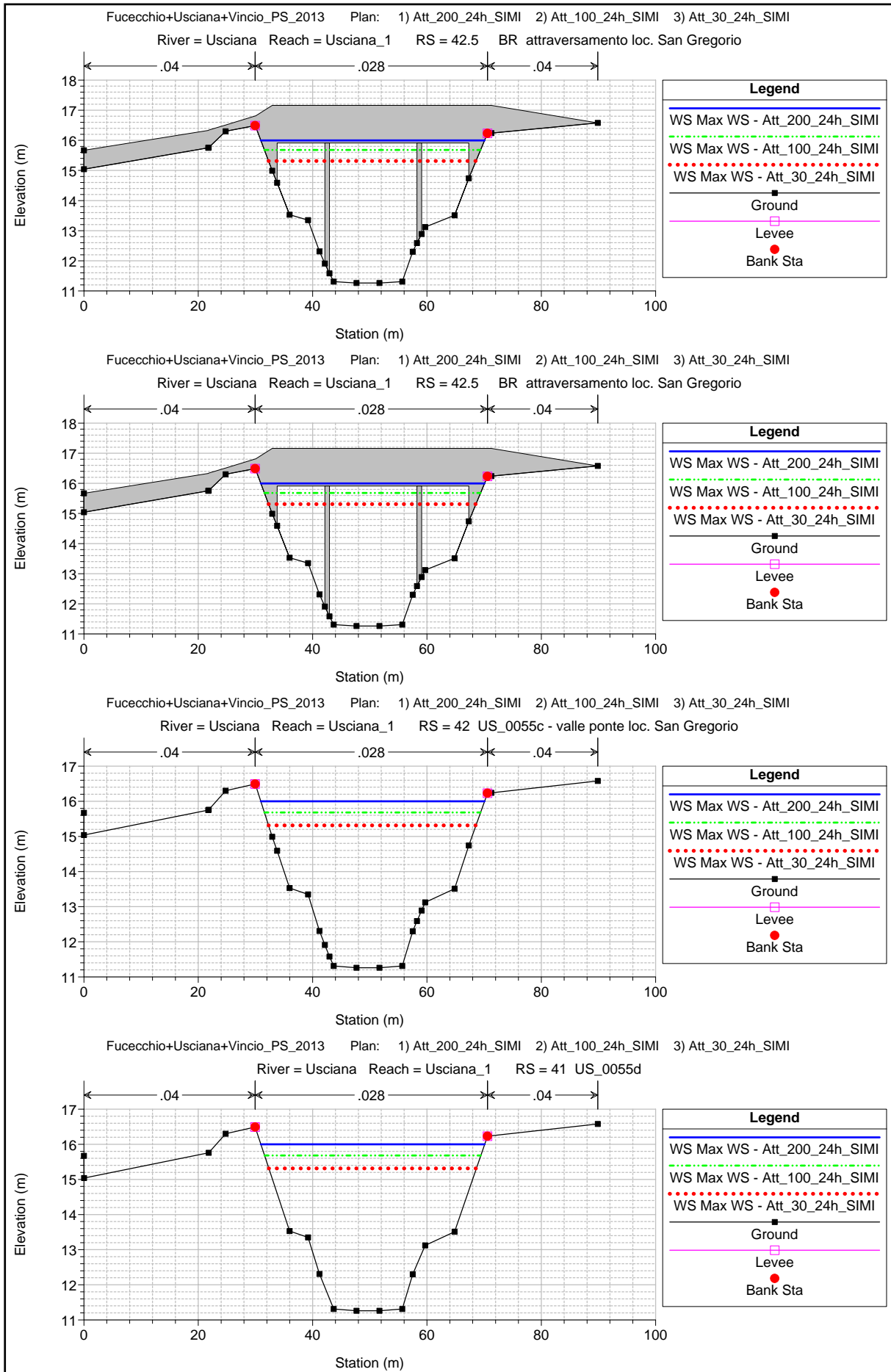


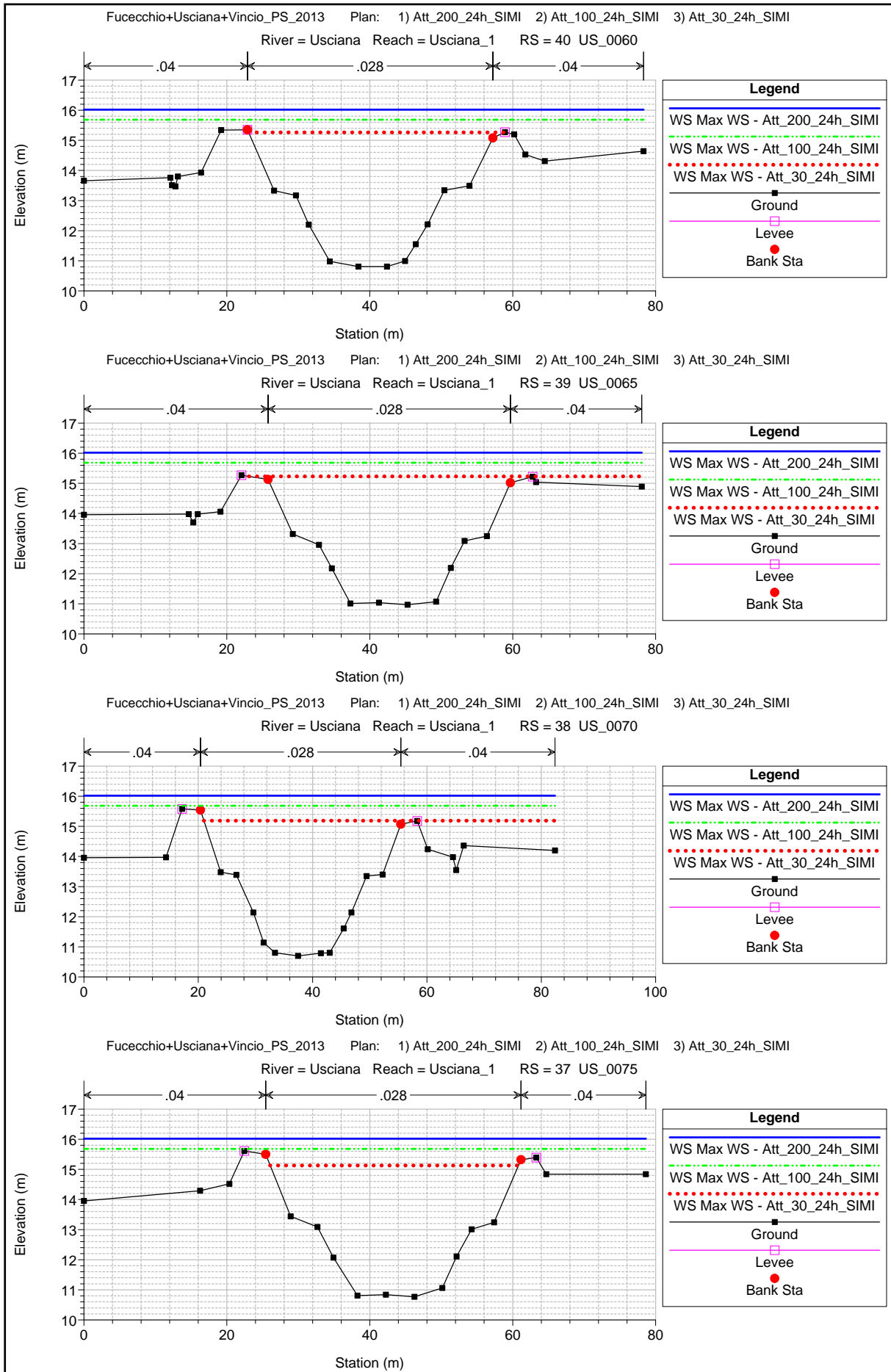


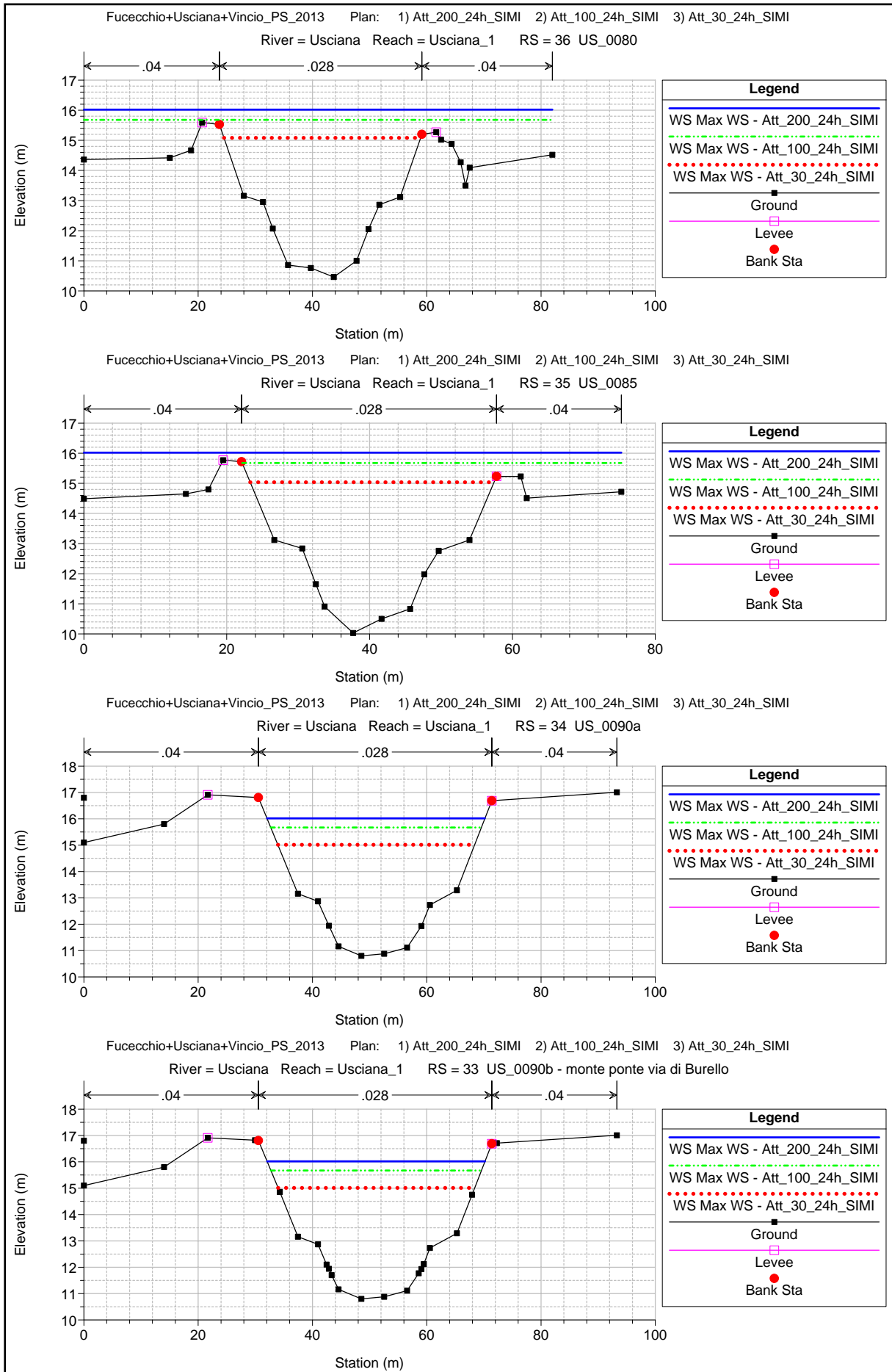


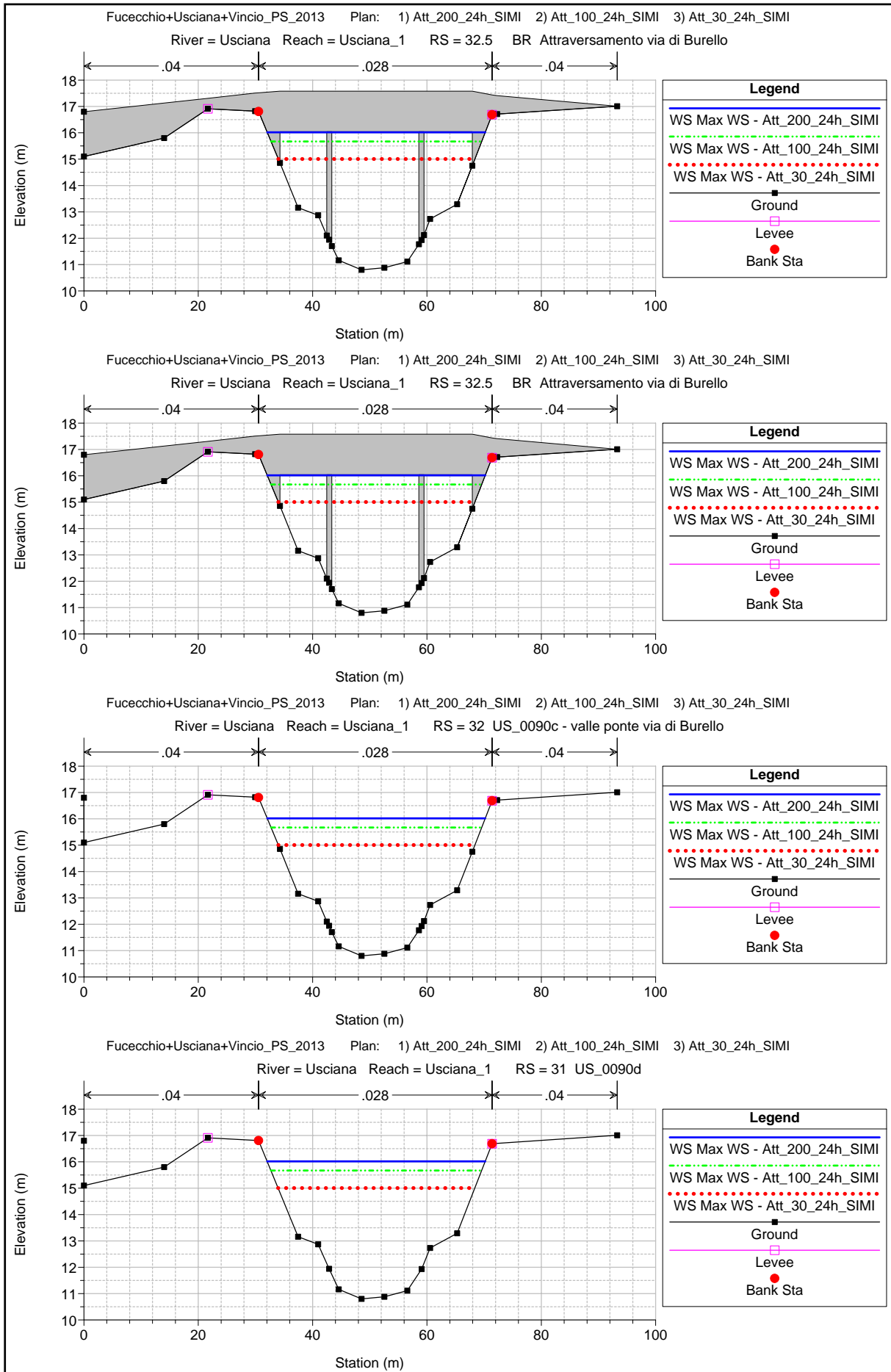


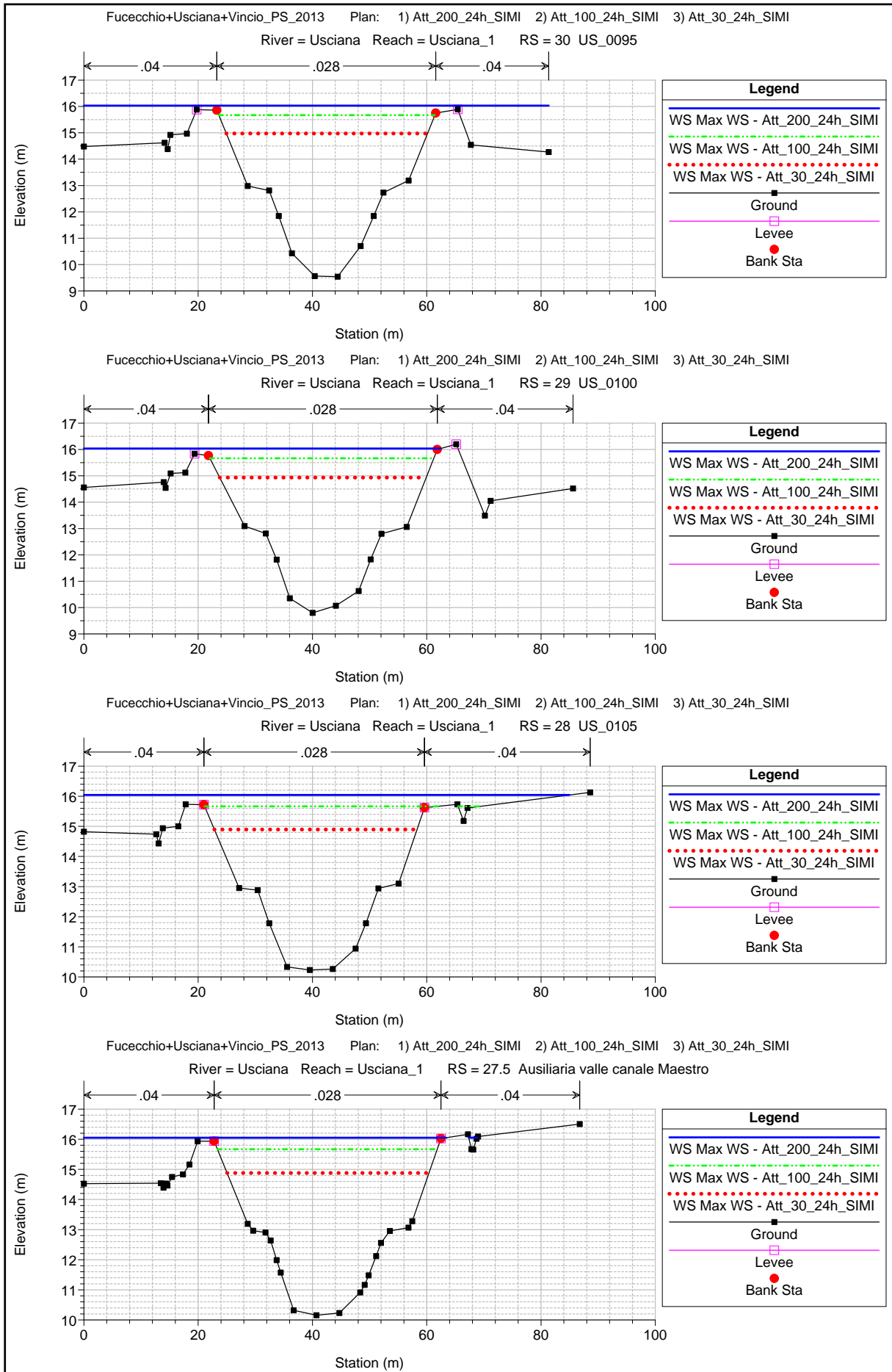


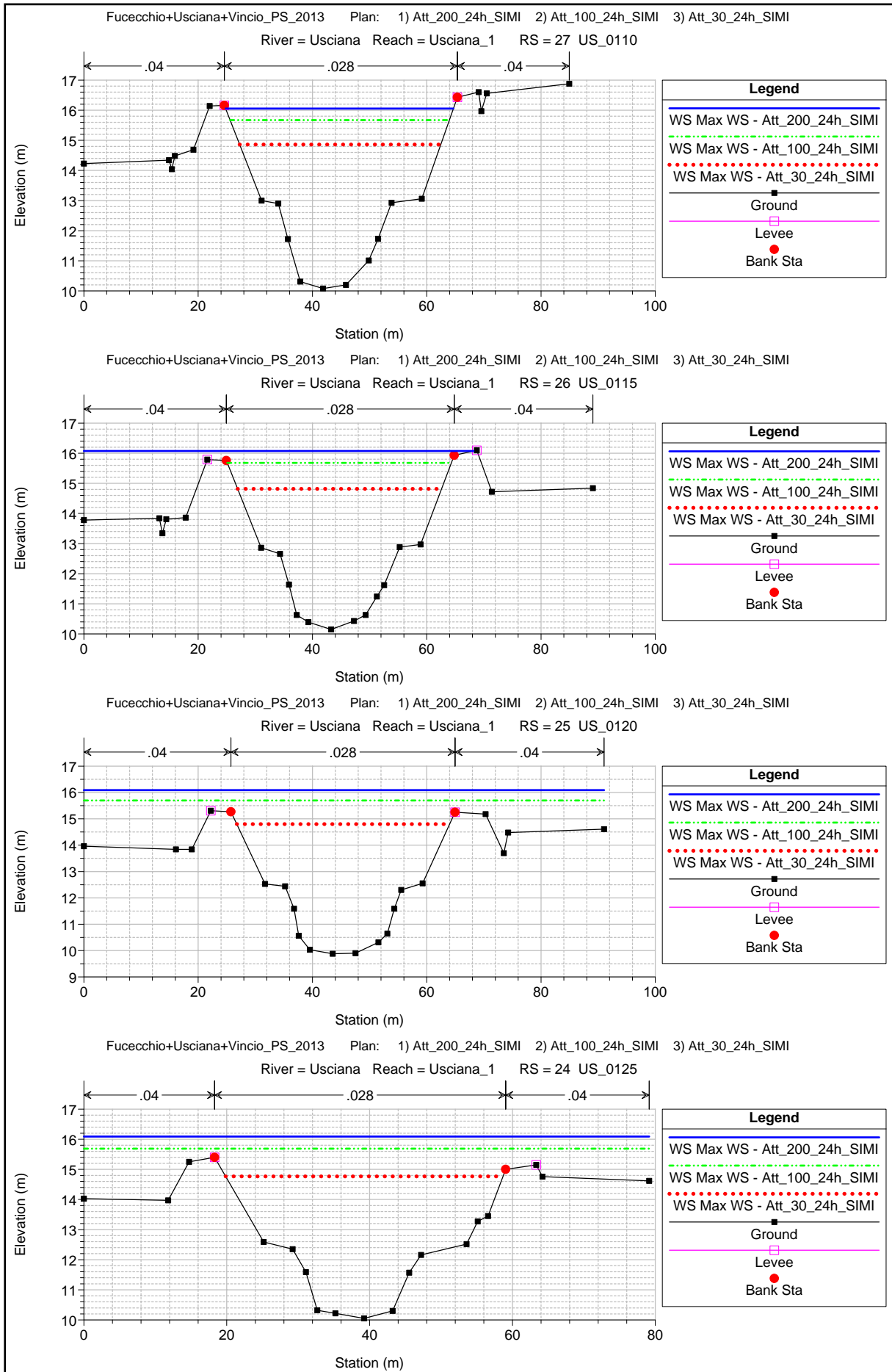


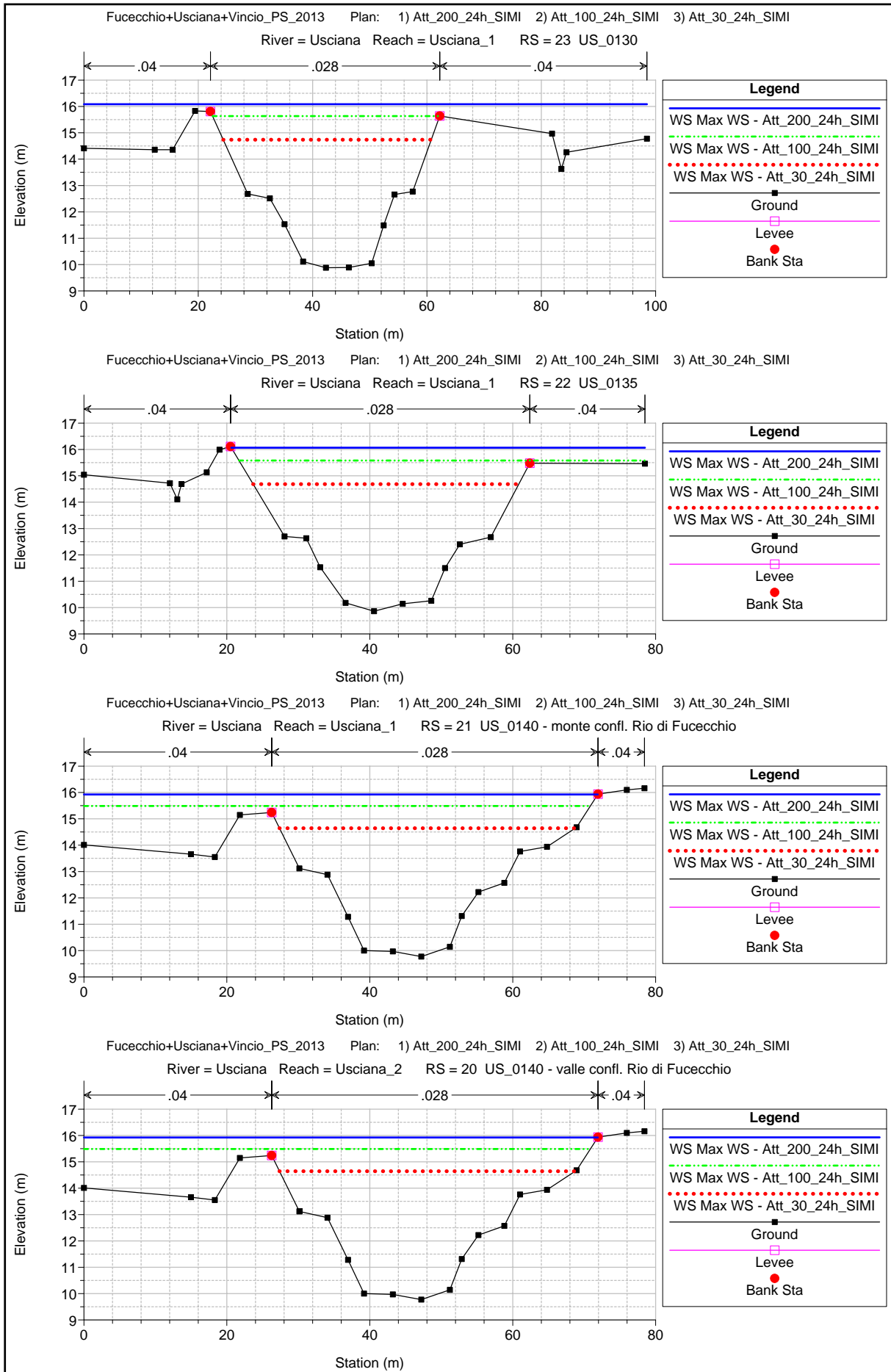


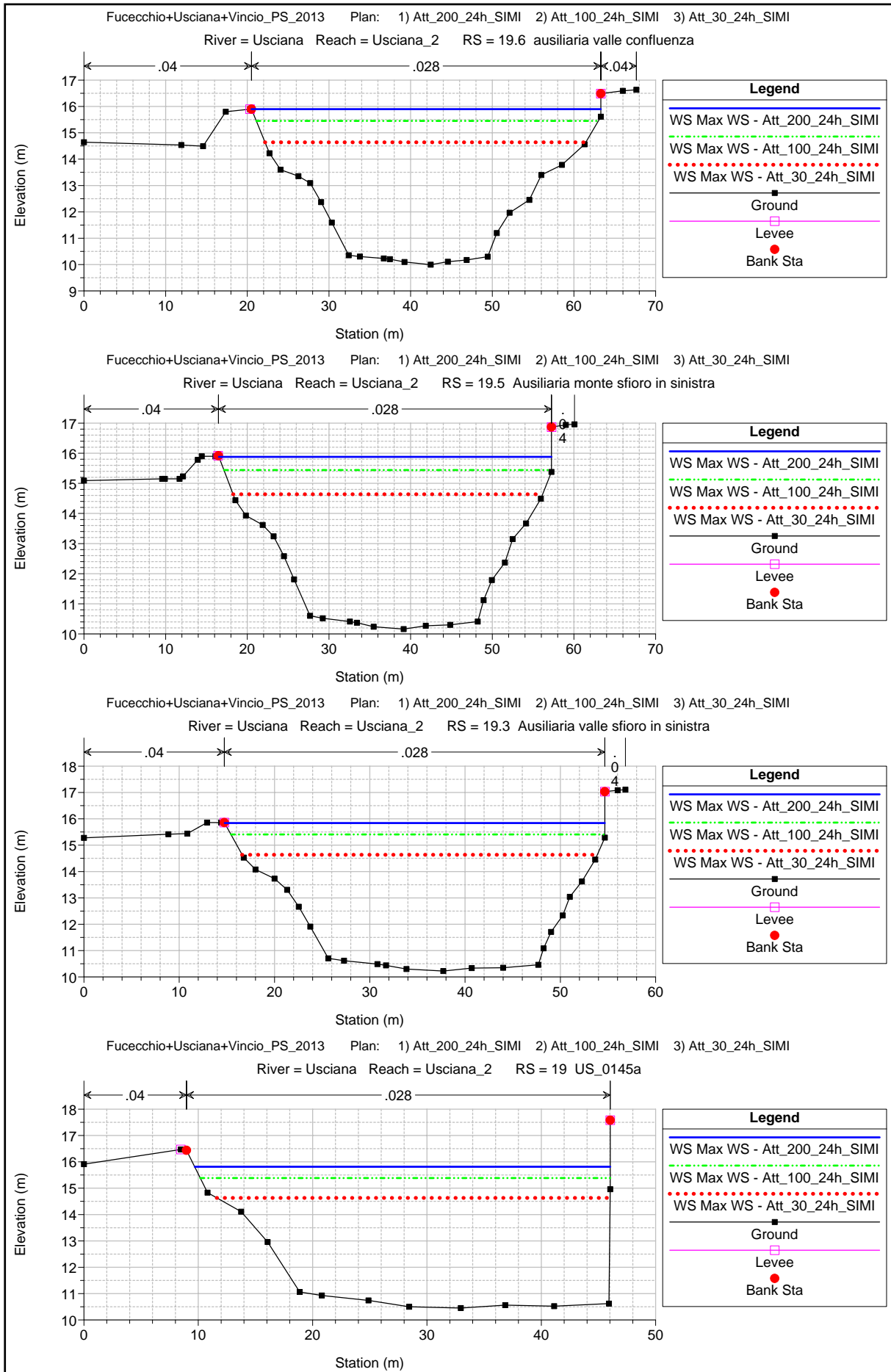


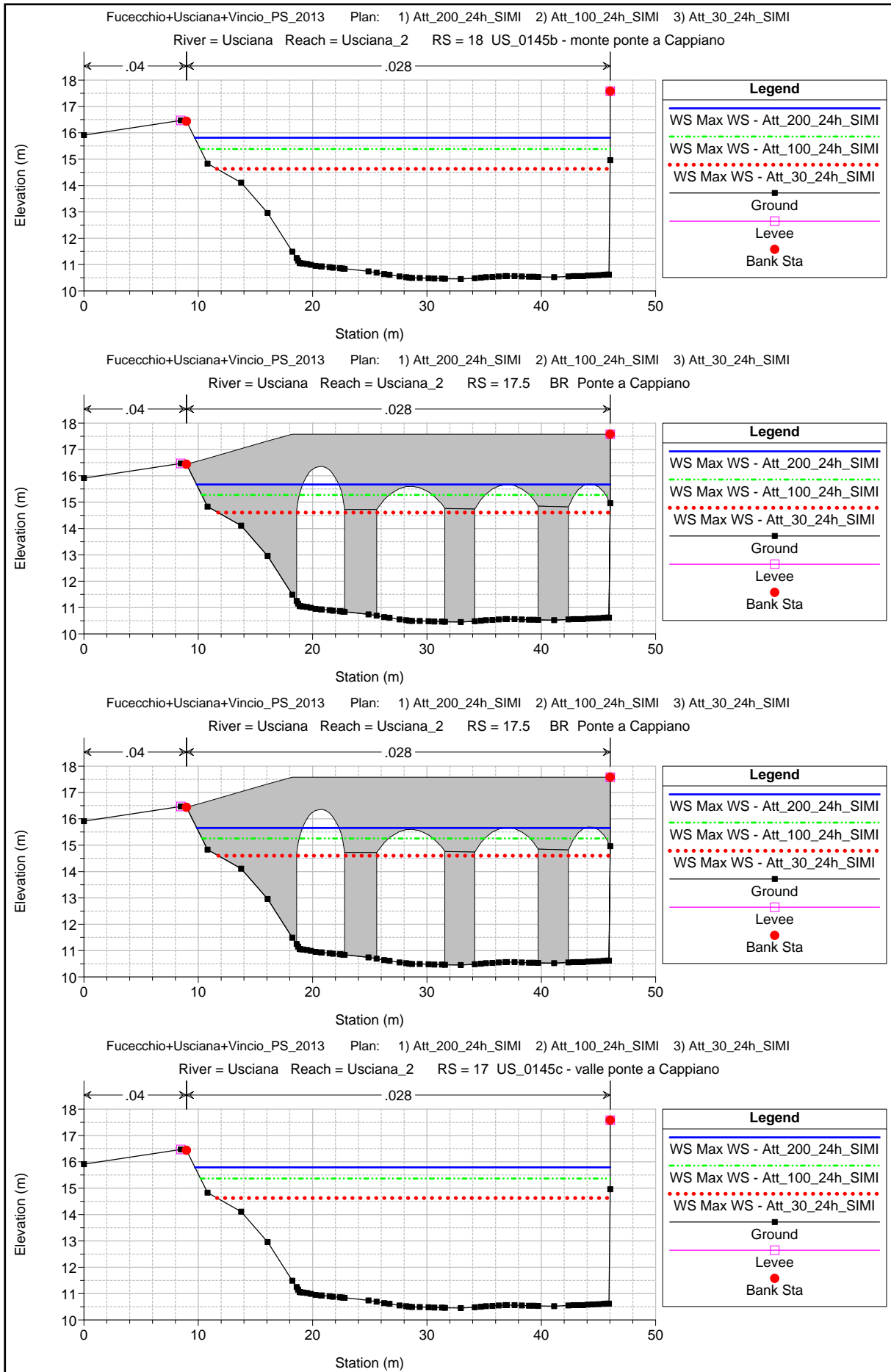


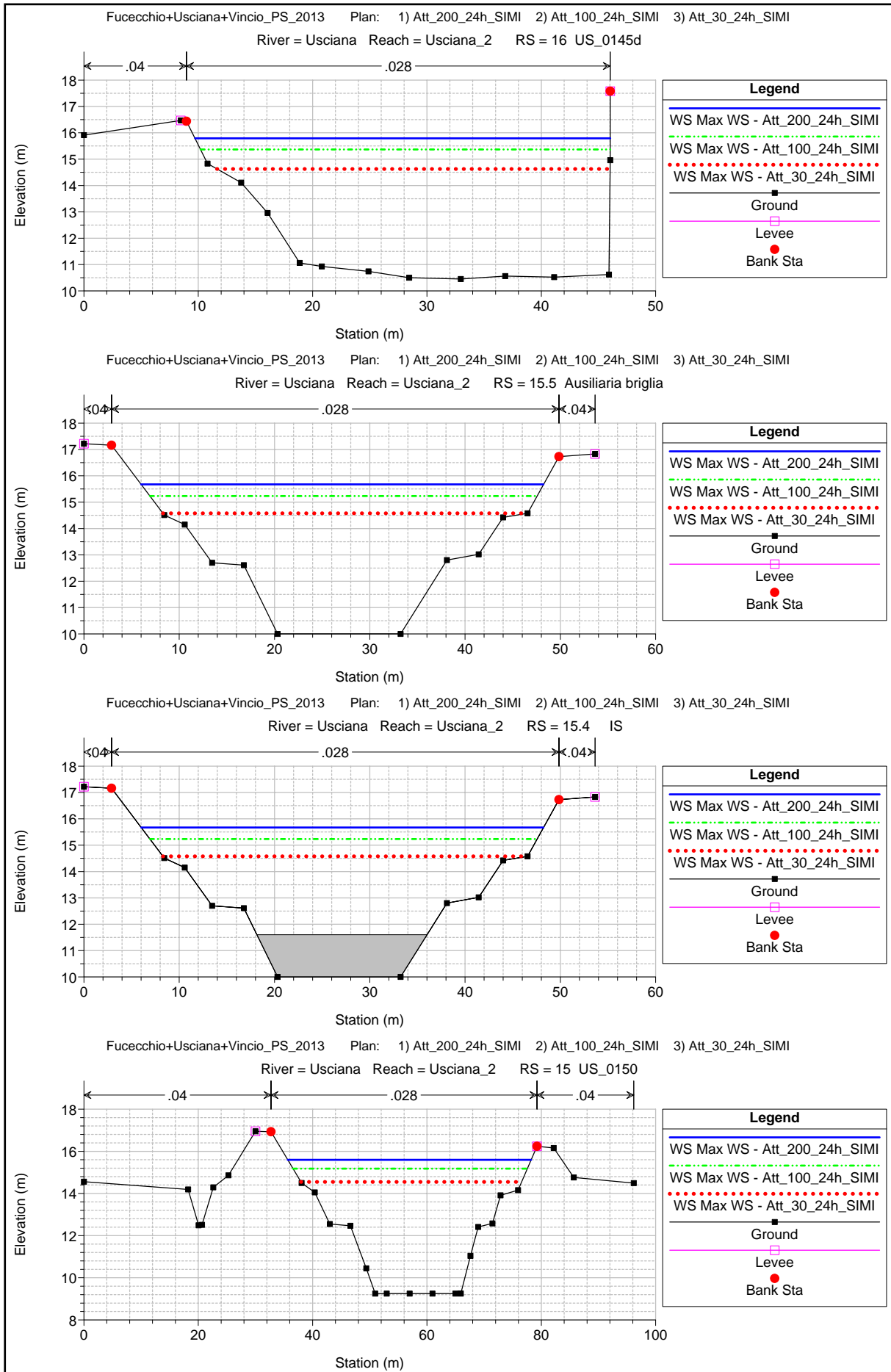


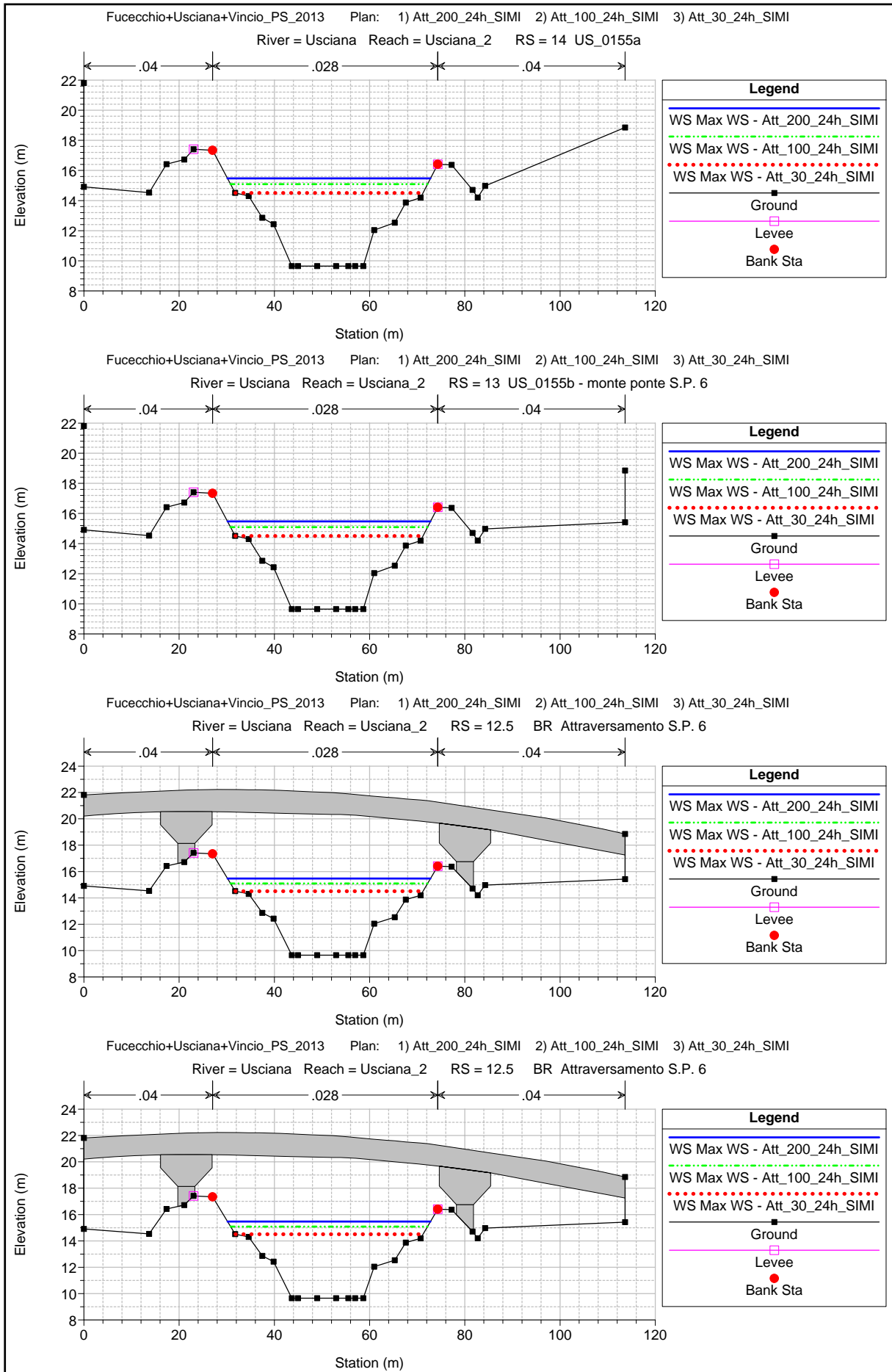


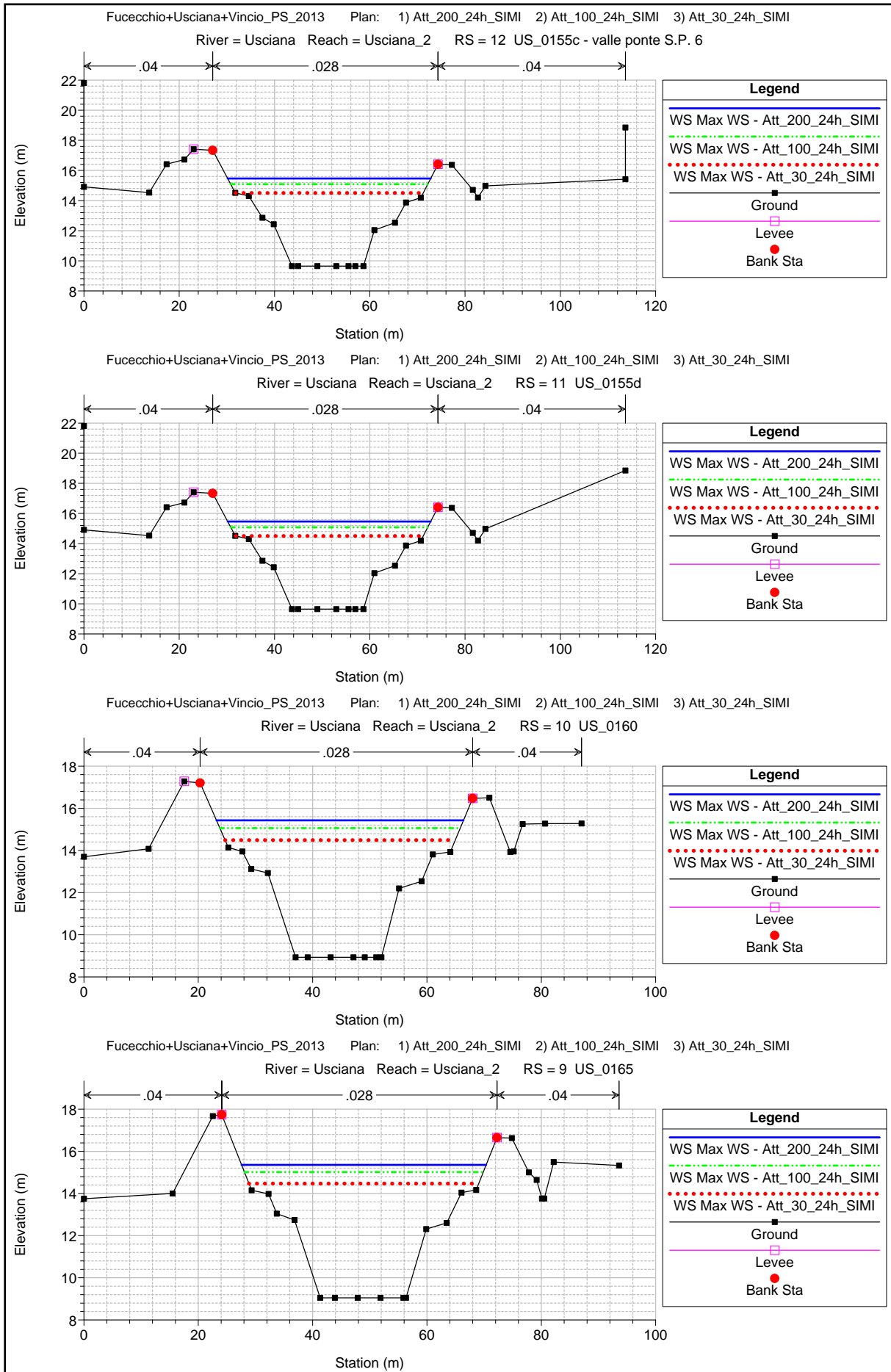


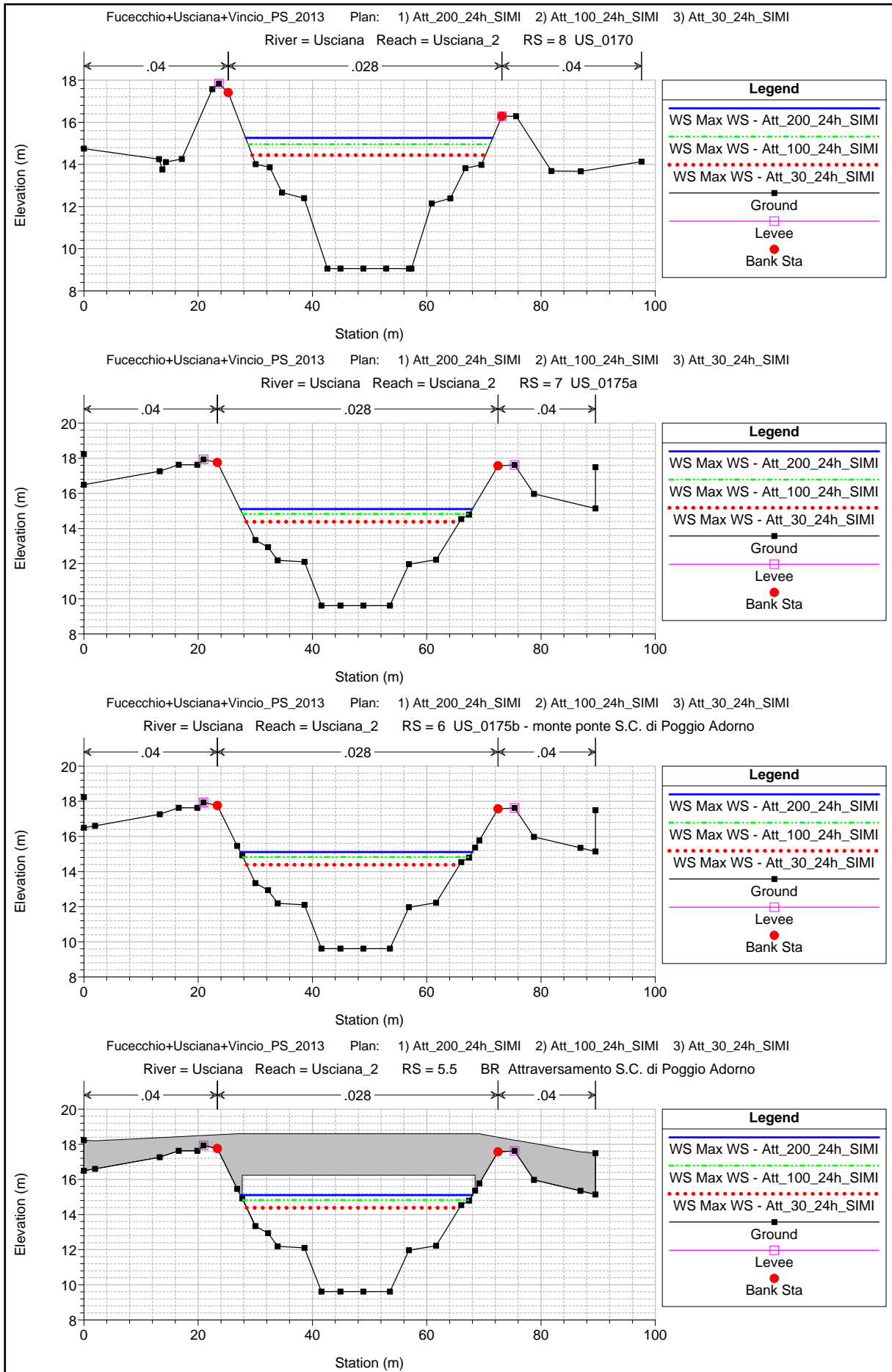


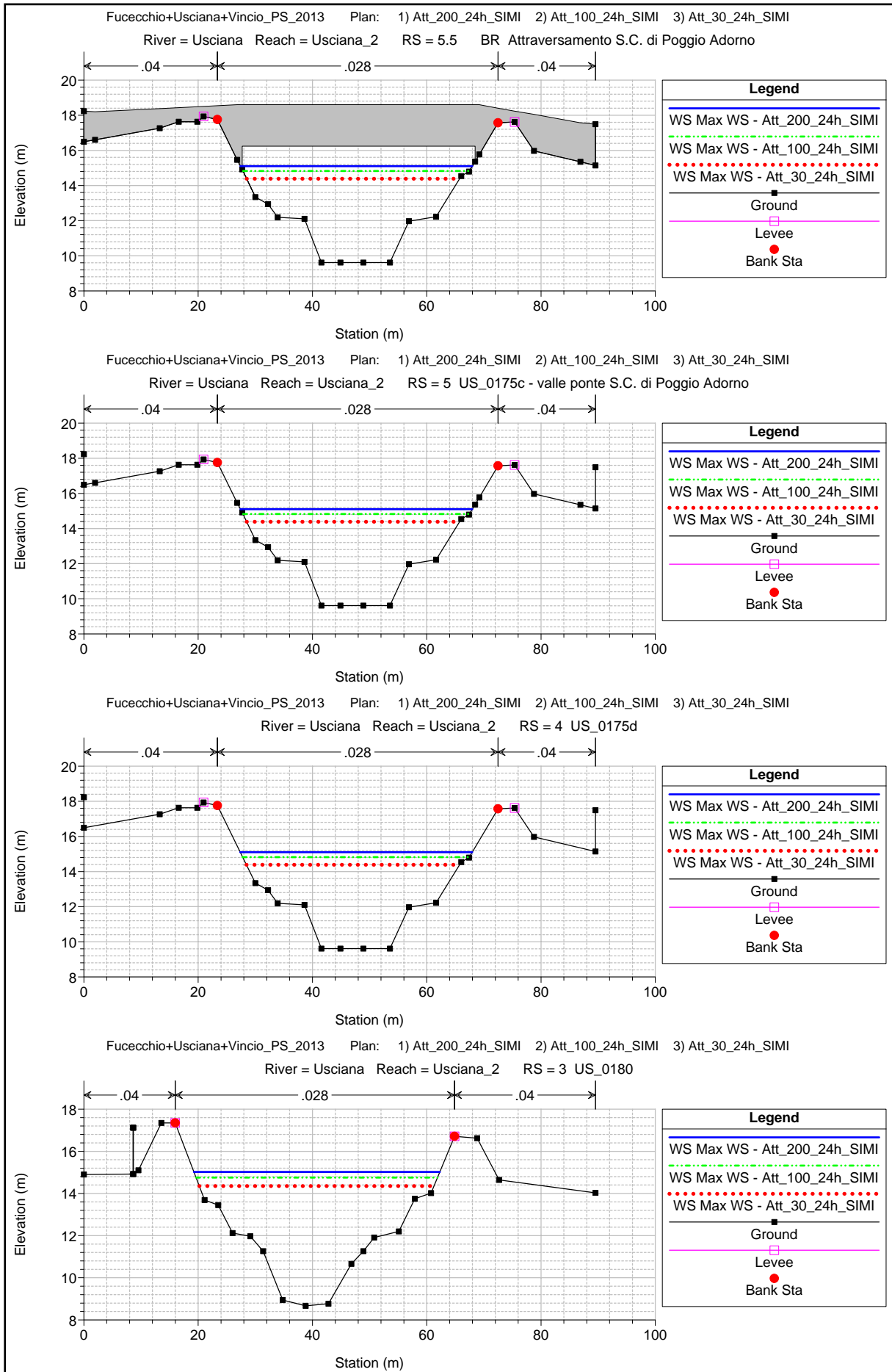


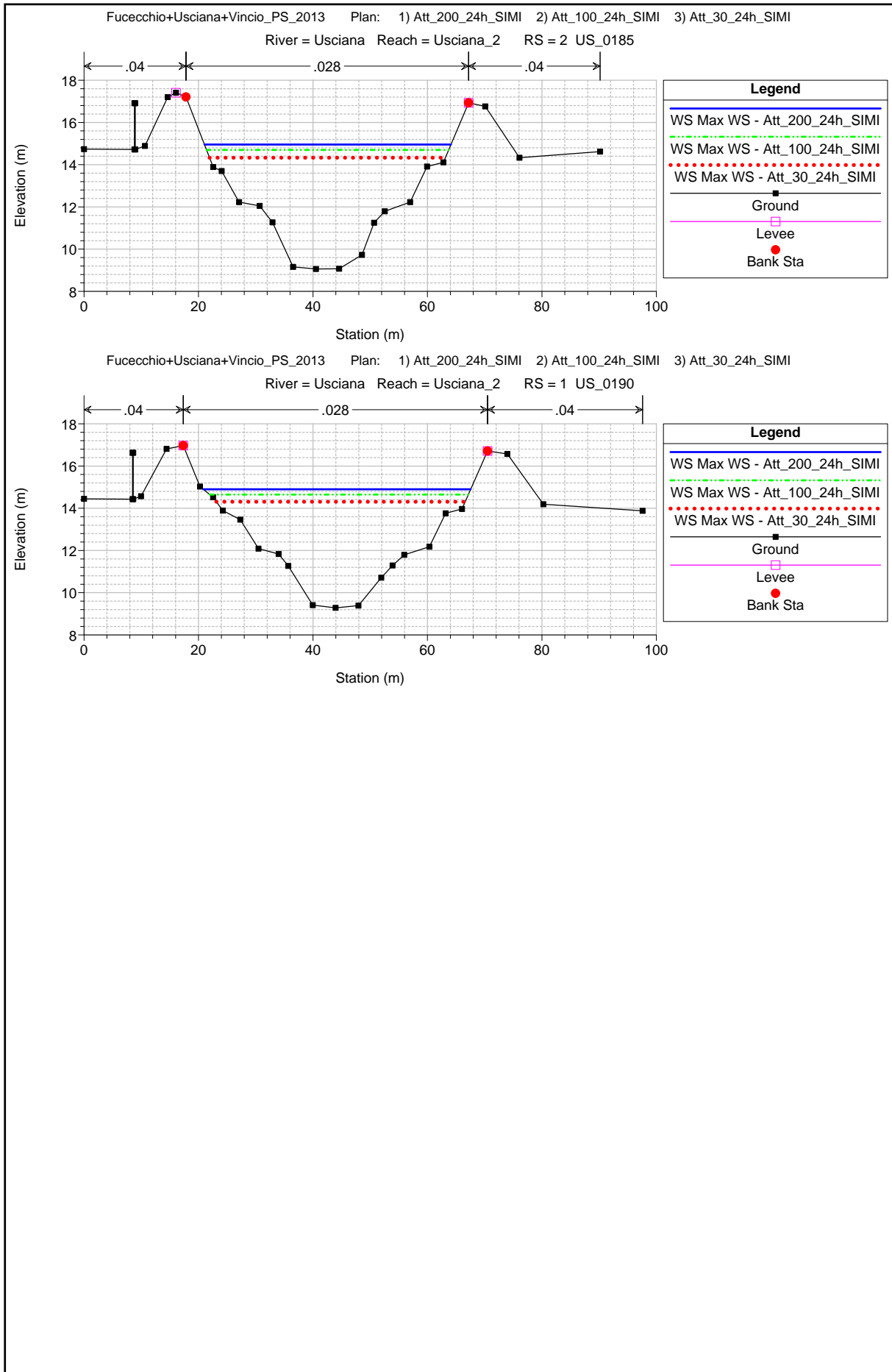












HEC-RAS Profile: Max WS

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
Usciana_1	57	Att_200_24h_SIMI	690.88	10.99	16.25		16.94	0.001584	4.03	225.31	65.12	0.57
Usciana_1	57	Att_100_24h_SIMI	590.32	10.99	16.02		16.60	0.001400	3.67	210.28	65.12	0.54
Usciana_1	57	Att_30_24h_SIMI	454.77	10.99	15.58		16.07	0.001295	3.30	170.17	57.88	0.51
Usciana_1	56.95	Att_200_24h_SIMI	124.93	10.85	15.92		15.95	0.000067	0.79	204.90	65.12	0.12
Usciana_1	56.95	Att_100_24h_SIMI	103.80	10.85	15.71		15.73	0.000055	0.70	191.34	65.12	0.11
Usciana_1	56.95	Att_30_24h_SIMI	105.27	10.85	15.54		15.56	0.000069	0.76	169.16	56.55	0.12
Usciana_1	56.94		Lat Struct									
Usciana_1	56.5	Att_200_24h_SIMI	32.08	10.20	15.92		15.92	0.000004	0.20	208.70	65.12	0.03
Usciana_1	56.5	Att_100_24h_SIMI	25.89	10.20	15.71		15.71	0.000003	0.17	195.17	65.12	0.03
Usciana_1	56.5	Att_30_24h_SIMI	23.06	10.20	15.54		15.54	0.000003	0.16	172.99	56.53	0.02
Usciana_1	56.4		Lat Struct									
Usciana_1	56.39		Lat Struct									
Usciana_1	56	Att_200_24h_SIMI	29.30	10.76	15.92		15.92	0.000004	0.20	207.68	70.88	0.03
Usciana_1	56	Att_100_24h_SIMI	24.23	10.76	15.71		15.71	0.000004	0.18	192.94	70.88	0.03
Usciana_1	56	Att_30_24h_SIMI	22.21	10.76	15.54		15.54	0.000004	0.17	180.67	70.88	0.03
Usciana_1	55	Att_200_24h_SIMI	27.74	10.76	15.92		15.92	0.000003	0.17	226.08	64.62	0.02
Usciana_1	55	Att_100_24h_SIMI	23.23	10.76	15.71		15.71	0.000002	0.15	212.65	64.62	0.02
Usciana_1	55	Att_30_24h_SIMI	21.30	10.76	15.54		15.54	0.000002	0.14	201.46	64.62	0.02
Usciana_1	54	Att_200_24h_SIMI	29.13	10.66	15.92		15.92	0.000003	0.18	211.96	64.18	0.03
Usciana_1	54	Att_100_24h_SIMI	27.47	10.66	15.71		15.71	0.000004	0.18	198.59	64.18	0.03
Usciana_1	54	Att_30_24h_SIMI	37.63	10.66	15.53		15.54	0.000008	0.26	187.33	64.18	0.04
Usciana_1	53	Att_200_24h_SIMI	-5.54	10.85	15.90		15.90	0.000000	-0.04	146.10	41.09	0.01
Usciana_1	53	Att_100_24h_SIMI	28.52	10.85	15.68		15.69	0.000007	0.21	137.40	39.41	0.04
Usciana_1	53	Att_30_24h_SIMI	99.72	10.85	15.47		15.50	0.000101	0.77	129.27	38.32	0.13
Usciana_1	52	Att_200_24h_SIMI	-5.54	10.85	15.90		15.90	0.000000	-0.04	146.07	41.09	0.01
Usciana_1	52	Att_100_24h_SIMI	28.52	10.85	15.68	11.70	15.69	0.000007	0.21	137.36	39.41	0.04
Usciana_1	52	Att_30_24h_SIMI	99.72	10.85	15.47	12.57	15.50	0.000101	0.77	129.22	38.31	0.13

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	51.5		Bridge									
Usciana_1	51	Att_200_24h_SIMI	-5.54	10.85	15.90		15.90	0.000000	-0.04	146.06	41.09	0.01
Usciana_1	51	Att_100_24h_SIMI	27.86	10.85	15.68		15.69	0.000007	0.20	137.36	39.41	0.03
Usciana_1	51	Att_30_24h_SIMI	99.72	10.85	15.47		15.50	0.000101	0.77	129.14	38.31	0.13
Usciana_1	50.9		Lat Struct									
Usciana_1	50.8		Lat Struct									
Usciana_1	50	Att_200_24h_SIMI	-5.54	10.85	15.90		15.90	0.000000	-0.04	146.09	41.09	0.01
Usciana_1	50	Att_100_24h_SIMI	27.86	10.85	15.68		15.69	0.000007	0.20	137.39	39.41	0.03
Usciana_1	50	Att_30_24h_SIMI	99.72	10.85	15.47		15.50	0.000101	0.77	129.15	38.31	0.13
Usciana_1	49	Att_200_24h_SIMI	-135.62	10.93	15.92		15.96	0.000116	-0.89	187.49	68.24	0.15
Usciana_1	49	Att_100_24h_SIMI	28.15	10.93	15.68		15.69	0.000006	0.20	171.30	68.24	0.03
Usciana_1	49	Att_30_24h_SIMI	99.02	10.93	15.47		15.49	0.000103	0.77	156.54	68.24	0.14
Usciana_1	48	Att_200_24h_SIMI	-53.58	10.73	15.98		15.98	0.000014	-0.32	214.52	77.39	0.05
Usciana_1	48	Att_100_24h_SIMI	16.34	10.73	15.68		15.68	0.000002	0.11	191.86	77.39	0.02
Usciana_1	48	Att_30_24h_SIMI	72.68	10.73	15.47		15.48	0.000055	0.57	145.52	56.02	0.10
Usciana_1	47	Att_200_24h_SIMI	-66.39	10.76	15.98		15.99	0.000025	-0.43	198.00	73.09	0.07
Usciana_1	47	Att_100_24h_SIMI	12.05	10.76	15.68		15.68	0.000001	0.09	176.50	73.09	0.01
Usciana_1	47	Att_30_24h_SIMI	59.64	10.76	15.47		15.48	0.000036	0.46	160.64	73.09	0.08
Usciana_1	46.6	Att_200_24h_SIMI	-67.27	10.86	15.98		15.99	0.000031	-0.46	182.34	73.98	0.08
Usciana_1	46.6	Att_100_24h_SIMI	7.59	10.86	15.68		15.68	0.000001	0.06	160.55	73.98	0.01
Usciana_1	46.6	Att_30_24h_SIMI	57.64	10.86	15.46		15.47	0.000041	0.48	144.21	73.30	0.09
Usciana_1	46.59		Lat Struct									
Usciana_1	46.57		Lat Struct									
Usciana_1	46	Att_200_24h_SIMI	-59.53	11.00	15.98		15.99	0.000024	-0.40	189.13	75.32	0.07
Usciana_1	46	Att_100_24h_SIMI	6.79	11.00	15.68		15.68	0.000000	0.05	166.48	75.32	0.01

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	46	Att_30_24h_SIMI	78.61	11.00	15.44		15.45	0.000083	0.66	147.79	75.32	0.12
Usciana_1	45	Att_200_24h_SIMI	-55.47	10.92	15.99		16.00	0.000021	-0.37	192.75	82.09	0.06
Usciana_1	45	Att_100_24h_SIMI	9.50	10.92	15.68		15.68	0.000001	0.07	167.45	82.09	0.01
Usciana_1	45	Att_30_24h_SIMI	100.30	10.92	15.38		15.42	0.000185	0.96	103.97	35.00	0.18
Usciana_1	44	Att_200_24h_SIMI	-52.55	11.26	16.00		16.01	0.000033	-0.43	122.97	39.14	0.08
Usciana_1	44	Att_100_24h_SIMI	9.96	11.26	15.68		15.68	0.000002	0.09	110.87	37.84	0.02
Usciana_1	44	Att_30_24h_SIMI	100.30	11.26	15.32		15.37	0.000237	1.03	97.41	36.33	0.20
Usciana_1	43	Att_200_24h_SIMI	-52.55	11.26	16.00		16.01	0.000033	-0.43	122.93	39.13	0.08
Usciana_1	43	Att_100_24h_SIMI	9.96	11.26	15.68	11.68	15.68	0.000002	0.09	110.83	37.83	0.02
Usciana_1	43	Att_30_24h_SIMI	100.30	11.26	15.32	13.01	15.37	0.000238	1.03	97.33	36.31	0.20
Usciana_1	42.5		Bridge									
Usciana_1	42	Att_200_24h_SIMI	-52.63	11.26	16.00		16.01	0.000033	-0.43	122.97	39.14	0.08
Usciana_1	42	Att_100_24h_SIMI	9.96	11.26	15.68		15.68	0.000002	0.09	110.83	37.83	0.02
Usciana_1	42	Att_30_24h_SIMI	100.30	11.26	15.31		15.37	0.000239	1.03	97.19	36.30	0.20
Usciana_1	41.9		Lat Struct									
Usciana_1	41.8		Lat Struct									
Usciana_1	41	Att_200_24h_SIMI	-52.63	11.26	16.00		16.01	0.000033	-0.43	123.02	39.15	0.08
Usciana_1	41	Att_100_24h_SIMI	10.04	11.26	15.68		15.68	0.000002	0.09	110.87	37.84	0.02
Usciana_1	41	Att_30_24h_SIMI	100.30	11.26	15.31		15.37	0.000239	1.03	97.19	36.31	0.20
Usciana_1	40	Att_200_24h_SIMI	-20.31	10.81	16.02		16.02	0.000003	-0.13	198.29	78.30	0.02
Usciana_1	40	Att_100_24h_SIMI	10.24	10.81	15.68		15.68	0.000001	0.08	171.90	78.30	0.01
Usciana_1	40	Att_30_24h_SIMI	100.30	10.81	15.26		15.32	0.000212	1.02	98.67	35.83	0.19
Usciana_1	39	Att_200_24h_SIMI	-23.66	10.97	16.02		16.02	0.000004	-0.16	190.17	78.06	0.03
Usciana_1	39	Att_100_24h_SIMI	10.08	10.97	15.68		15.68	0.000001	0.08	163.86	78.06	0.01
Usciana_1	39	Att_30_24h_SIMI	100.18	10.97	15.23		15.28	0.000208	1.01	102.82	54.96	0.19
Usciana_1	38	Att_200_24h_SIMI	-35.22	10.70	16.02		16.02	0.000007	-0.22	209.33	82.39	0.04

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	38	Att_100_24h_SIMI	12.50	10.70	15.68		15.68	0.000001	0.09	181.48	82.39	0.02
Usciana_1	38	Att_30_24h_SIMI	99.92	10.70	15.19		15.23	0.000174	0.93	123.30	61.41	0.17
Usciana_1	37	Att_200_24h_SIMI	-40.07	10.77	16.02		16.02	0.000010	-0.26	192.09	78.63	0.04
Usciana_1	37	Att_100_24h_SIMI	11.27	10.77	15.68		15.68	0.000001	0.08	165.54	78.63	0.01
Usciana_1	37	Att_30_24h_SIMI	99.92	10.77	15.13		15.18	0.000202	0.99	100.47	34.77	0.19
Usciana_1	36	Att_200_24h_SIMI	-57.13	10.46	16.02		16.03	0.000019	-0.36	201.64	81.99	0.06
Usciana_1	36	Att_100_24h_SIMI	13.76	10.46	15.68		15.68	0.000002	0.10	173.82	81.99	0.02
Usciana_1	36	Att_30_24h_SIMI	99.92	10.46	15.08		15.13	0.000202	1.00	100.16	34.43	0.19
Usciana_1	35	Att_200_24h_SIMI	-69.33	10.03	16.02		16.03	0.000030	-0.46	184.85	75.25	0.07
Usciana_1	35	Att_100_24h_SIMI	33.26	10.03	15.68		15.68	0.000011	0.26	139.43	53.09	0.04
Usciana_1	35	Att_30_24h_SIMI	99.92	10.03	15.03		15.08	0.000198	0.99	100.77	34.14	0.18
Usciana_1	34	Att_200_24h_SIMI	-68.07	10.80	16.02		16.03	0.000044	-0.52	131.34	38.14	0.09
Usciana_1	34	Att_100_24h_SIMI	34.14	10.80	15.67		15.68	0.000015	0.29	118.36	36.86	0.05
Usciana_1	34	Att_30_24h_SIMI	99.92	10.80	15.01		15.07	0.000240	1.05	94.86	34.43	0.20
Usciana_1	33	Att_200_24h_SIMI	-68.07	10.80	16.02		16.03	0.000044	-0.52	131.42	38.14	0.09
Usciana_1	33	Att_100_24h_SIMI	34.14	10.80	15.67	11.85	15.68	0.000015	0.29	118.43	36.86	0.05
Usciana_1	33	Att_30_24h_SIMI	99.92	10.80	15.01	12.68	15.07	0.000240	1.05	94.90	34.42	0.20
Usciana_1	32.5		Bridge									
Usciana_1	32	Att_200_24h_SIMI	-68.70	10.80	16.02		16.03	0.000044	-0.52	131.47	38.14	0.09
Usciana_1	32	Att_100_24h_SIMI	34.14	10.80	15.67		15.68	0.000015	0.29	118.42	36.85	0.05
Usciana_1	32	Att_30_24h_SIMI	99.92	10.80	15.01		15.06	0.000241	1.05	94.74	34.40	0.20
Usciana_1	31.9		Lat Struct									
Usciana_1	31.8		Lat Struct									
Usciana_1	31	Att_200_24h_SIMI	-68.70	10.80	16.02		16.03	0.000044	-0.52	131.40	38.14	0.09
Usciana_1	31	Att_100_24h_SIMI	34.14	10.80	15.67		15.68	0.000015	0.29	118.34	36.86	0.05
Usciana_1	31	Att_30_24h_SIMI	99.92	10.80	15.01		15.06	0.000242	1.06	94.62	34.41	0.20

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	30	Att_200_24h_SIMI	-72.31	9.54	16.03		16.04	0.000026	-0.43	202.20	81.34	0.07
Usciana_1	30	Att_100_24h_SIMI	33.54	9.54	15.67		15.67	0.000009	0.25	136.27	37.80	0.04
Usciana_1	30	Att_30_24h_SIMI	99.92	9.54	14.98		15.02	0.000150	0.90	110.92	35.21	0.16
Usciana_1	29	Att_200_24h_SIMI	-86.36	9.80	16.04		16.05	0.000044	-0.55	174.93	62.44	0.09
Usciana_1	29	Att_100_24h_SIMI	33.15	9.80	15.67		15.67	0.000010	0.24	135.63	39.19	0.04
Usciana_1	29	Att_30_24h_SIMI	99.92	9.80	14.93		14.98	0.000169	0.93	107.97	36.12	0.17
Usciana_1	28	Att_200_24h_SIMI	-89.59	10.23	16.04		16.06	0.000048	-0.58	175.98	84.98	0.10
Usciana_1	28	Att_100_24h_SIMI	-58.64	10.23	15.67		15.68	0.000032	-0.44	132.57	44.85	0.08
Usciana_1	28	Att_30_24h_SIMI	99.91	10.23	14.89		14.94	0.000189	0.97	103.49	35.46	0.18
Usciana_1	27.9		Lat Struct									
Usciana_1	27.5	Att_200_24h_SIMI	-83.44	10.16	16.05		16.07	0.000043	-0.54	174.83	64.90	0.09
Usciana_1	27.5	Att_100_24h_SIMI	-58.54	10.16	15.67		15.68	0.000033	-0.45	131.30	38.46	0.08
Usciana_1	27.5	Att_30_24h_SIMI	99.91	10.16	14.88		14.93	0.000196	0.98	102.17	35.32	0.18
Usciana_1	27.49		Lat Struct									
Usciana_1	27	Att_200_24h_SIMI	-81.80	10.08	16.06		16.07	0.000048	-0.56	145.68	39.87	0.09
Usciana_1	27	Att_100_24h_SIMI	-58.50	10.08	15.67		15.68	0.000034	-0.45	130.63	38.37	0.08
Usciana_1	27	Att_30_24h_SIMI	99.91	10.08	14.86		14.91	0.000205	0.99	100.83	35.20	0.19
Usciana_1	26	Att_200_24h_SIMI	-67.92	10.15	16.08		16.08	0.000023	-0.40	197.55	68.19	0.07
Usciana_1	26	Att_100_24h_SIMI	-55.96	10.15	15.68		15.69	0.000028	-0.41	135.37	39.23	0.07
Usciana_1	26	Att_30_24h_SIMI	99.91	10.15	14.82		14.87	0.000193	0.97	103.01	35.70	0.18
Usciana_1	25	Att_200_24h_SIMI	-15.49	9.88	16.09		16.09	0.000001	-0.08	253.61	91.03	0.01
Usciana_1	25	Att_100_24h_SIMI	-13.85	9.88	15.70		15.70	0.000001	-0.08	217.74	91.03	0.01
Usciana_1	25	Att_30_24h_SIMI	99.91	9.88	14.80		14.84	0.000136	0.86	116.62	37.24	0.15
Usciana_1	24	Att_200_24h_SIMI	13.42	10.05	16.09		16.09	0.000001	0.07	221.68	79.15	0.01
Usciana_1	24	Att_100_24h_SIMI	40.86	10.05	15.69		15.69	0.000010	0.25	189.96	79.15	0.04
Usciana_1	24	Att_30_24h_SIMI	99.91	10.05	14.77		14.81	0.000172	0.91	110.26	38.85	0.17
Usciana_1	23	Att_200_24h_SIMI	31.39	9.88	16.09		16.09	0.000004	0.17	238.39	98.48	0.03

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	23	Att_100_24h_SIMI	109.58	9.88	15.63		15.66	0.000083	0.75	146.85	39.72	0.12
Usciana_1	23	Att_30_24h_SIMI	99.91	9.88	14.74		14.78	0.000148	0.89	112.77	36.38	0.16
Usciana_1	22	Att_200_24h_SIMI	76.89	9.86	16.07		16.08	0.000028	0.46	175.44	57.90	0.07
Usciana_1	22	Att_100_24h_SIMI	129.28	9.86	15.58		15.62	0.000122	0.89	147.38	56.82	0.15
Usciana_1	22	Att_30_24h_SIMI	99.91	9.86	14.69		14.73	0.000160	0.90	110.78	37.18	0.17
Usciana_1	21	Att_200_24h_SIMI	223.87	9.77	15.93		15.99	0.000213	1.19	214.63	71.90	0.20
Usciana_1	21	Att_100_24h_SIMI	185.84	9.77	15.49		15.55	0.000228	1.15	183.34	70.86	0.20
Usciana_1	21	Att_30_24h_SIMI	99.90	9.77	14.64		14.69	0.000185	0.90	110.55	41.39	0.18
Usciana_2	20	Att_200_24h_SIMI	247.02	9.77	15.93		16.01	0.000260	1.32	214.63	71.90	0.22
Usciana_2	20	Att_100_24h_SIMI	217.95	9.77	15.49		15.57	0.000314	1.35	183.34	70.86	0.24
Usciana_2	20	Att_30_24h_SIMI	103.60	9.77	14.64		14.69	0.000198	0.94	110.55	41.39	0.18
Usciana_2	19.6	Att_200_24h_SIMI	247.02	10.00	15.90		16.01	0.000295	1.46	168.72	42.78	0.24
Usciana_2	19.6	Att_100_24h_SIMI	217.90	10.00	15.45		15.56	0.000328	1.45	149.83	41.89	0.25
Usciana_2	19.6	Att_30_24h_SIMI	103.60	10.00	14.64		14.68	0.000154	0.89	116.97	39.28	0.16
Usciana_2	19.5	Att_200_24h_SIMI	247.02	10.16	15.88		15.99	0.000282	1.47	168.37	40.72	0.23
Usciana_2	19.5	Att_100_24h_SIMI	217.90	10.16	15.44		15.55	0.000306	1.45	150.77	40.11	0.24
Usciana_2	19.5	Att_30_24h_SIMI	103.60	10.16	14.64		14.68	0.000138	0.87	119.37	37.90	0.16
Usciana_2	19.49		Lat Struct									
Usciana_2	19.3	Att_200_24h_SIMI	264.83	10.22	15.84		15.97	0.000329	1.59	166.54	39.89	0.25
Usciana_2	19.3	Att_100_24h_SIMI	232.02	10.22	15.41		15.53	0.000349	1.55	149.43	39.24	0.25
Usciana_2	19.3	Att_30_24h_SIMI	103.60	10.22	14.64		14.68	0.000133	0.86	119.92	37.29	0.15
Usciana_2	19	Att_200_24h_SIMI	264.83	10.45	15.81		15.95	0.000359	1.64	161.39	36.35	0.25
Usciana_2	19	Att_100_24h_SIMI	231.99	10.45	15.39		15.51	0.000373	1.59	145.92	35.86	0.25
Usciana_2	19	Att_30_24h_SIMI	103.60	10.45	14.63		14.67	0.000134	0.87	119.24	34.40	0.15
Usciana_2	18	Att_200_24h_SIMI	264.83	10.45	15.81	12.74	15.95	0.000359	1.64	161.35	36.34	0.25
Usciana_2	18	Att_100_24h_SIMI	231.99	10.45	15.38	12.56	15.51	0.000373	1.59	145.89	35.85	0.25
Usciana_2	18	Att_30_24h_SIMI	103.60	10.45	14.63	11.76	14.67	0.000134	0.87	119.26	34.40	0.15

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	17.5		Bridge									
Usciana_2	17	Att_200_24h_SIMI	264.83	10.45	15.79		15.93	0.000365	1.65	160.58	36.32	0.25
Usciana_2	17	Att_100_24h_SIMI	231.99	10.45	15.37		15.50	0.000378	1.60	145.30	35.83	0.25
Usciana_2	17	Att_30_24h_SIMI	103.60	10.45	14.63		14.67	0.000135	0.87	119.12	34.38	0.15
Usciana_2	16	Att_200_24h_SIMI	264.83	10.45	15.79		15.93	0.000365	1.65	160.48	36.32	0.25
Usciana_2	16	Att_100_24h_SIMI	231.99	10.45	15.37		15.50	0.000378	1.60	145.18	35.83	0.25
Usciana_2	16	Att_30_24h_SIMI	103.60	10.45	14.63		14.66	0.000135	0.87	119.06	34.38	0.15
Usciana_2	15.5	Att_200_24h_SIMI	264.80	10.00	15.67	13.18	15.84	0.000510	1.78	148.48	42.23	0.30
Usciana_2	15.5	Att_100_24h_SIMI	231.72	10.00	15.23	12.98	15.40	0.000572	1.78	130.30	40.64	0.32
Usciana_2	15.5	Att_30_24h_SIMI	103.60	10.00	14.58	11.74	14.63	0.000219	0.99	104.40	38.24	0.19
Usciana_2	15.4		Inl Struct									
Usciana_2	15	Att_200_24h_SIMI	264.79	9.25	15.60		15.72	0.000345	1.57	169.02	42.57	0.25
Usciana_2	15	Att_100_24h_SIMI	189.73	9.25	15.18		15.26	0.000242	1.25	151.47	40.98	0.21
Usciana_2	15	Att_30_24h_SIMI	103.60	9.25	14.55		14.58	0.000122	0.82	126.43	38.59	0.14
Usciana_2	14	Att_200_24h_SIMI	264.73	9.65	15.47		15.62	0.000445	1.70	155.76	42.64	0.28
Usciana_2	14	Att_100_24h_SIMI	189.60	9.65	15.09		15.19	0.000314	1.36	139.75	41.39	0.24
Usciana_2	14	Att_30_24h_SIMI	103.60	9.65	14.51		14.55	0.000162	0.89	116.05	39.40	0.17
Usciana_2	13	Att_200_24h_SIMI	264.73	9.65	15.47	12.68	15.62	0.000446	1.70	155.66	42.64	0.28
Usciana_2	13	Att_100_24h_SIMI	189.60	9.65	15.09	12.03	15.18	0.000314	1.36	139.69	41.38	0.24
Usciana_2	13	Att_30_24h_SIMI	103.60	9.65	14.51	11.27	14.55	0.000162	0.89	116.02	39.39	0.17
Usciana_2	12.5		Bridge									
Usciana_2	12	Att_200_24h_SIMI	264.73	9.65	15.47		15.61	0.000448	1.70	155.45	42.62	0.28
Usciana_2	12	Att_100_24h_SIMI	189.60	9.65	15.09		15.18	0.000315	1.36	139.55	41.37	0.24
Usciana_2	12	Att_30_24h_SIMI	103.60	9.65	14.50		14.54	0.000162	0.89	115.96	39.37	0.17
Usciana_2	11	Att_200_24h_SIMI	264.73	9.65	15.46		15.61	0.000449	1.70	155.35	42.61	0.28
Usciana_2	11	Att_100_24h_SIMI	189.60	9.65	15.09		15.18	0.000316	1.36	139.48	41.37	0.24
Usciana_2	11	Att_30_24h_SIMI	103.60	9.65	14.50		14.54	0.000163	0.89	115.93	39.36	0.17

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	10	Att_200_24h_SIMI	264.69	8.93	15.43		15.55	0.000334	1.54	171.96	43.21	0.25
Usciana_2	10	Att_100_24h_SIMI	189.70	8.93	15.06		15.14	0.000226	1.21	156.37	42.05	0.20
Usciana_2	10	Att_30_24h_SIMI	103.60	8.93	14.49		14.52	0.000109	0.78	132.88	40.25	0.14
Usciana_2	9	Att_200_24h_SIMI	264.65	9.05	15.36		15.49	0.000366	1.59	166.36	42.79	0.26
Usciana_2	9	Att_100_24h_SIMI	189.68	9.05	15.02		15.09	0.000246	1.25	151.90	41.79	0.21
Usciana_2	9	Att_30_24h_SIMI	103.60	9.05	14.47		14.50	0.000118	0.80	129.49	40.19	0.14
Usciana_2	8	Att_200_24h_SIMI	237.94	9.06	15.26		15.37	0.000300	1.43	166.01	43.25	0.23
Usciana_2	8	Att_100_24h_SIMI	189.67	9.06	14.95		15.03	0.000244	1.24	152.78	42.33	0.21
Usciana_2	8	Att_30_24h_SIMI	103.60	9.06	14.44		14.47	0.000114	0.79	131.44	40.80	0.14
Usciana_2	7	Att_200_24h_SIMI	237.51	9.61	15.11		15.25	0.000473	1.69	140.47	40.63	0.29
Usciana_2	7	Att_100_24h_SIMI	189.69	9.61	14.83		14.94	0.000384	1.47	129.31	39.71	0.26
Usciana_2	7	Att_30_24h_SIMI	103.60	9.61	14.39		14.43	0.000169	0.92	112.24	37.32	0.17
Usciana_2	6	Att_200_24h_SIMI	229.29	9.61	15.11	12.68	15.24	0.000442	1.63	140.30	40.60	0.28
Usciana_2	6	Att_100_24h_SIMI	189.69	9.61	14.83	12.44	14.94	0.000385	1.47	129.18	39.64	0.26
Usciana_2	6	Att_30_24h_SIMI	103.60	9.61	14.39	11.44	14.43	0.000169	0.92	112.19	37.27	0.17
Usciana_2	5.5		Bridge									
Usciana_2	5	Att_200_24h_SIMI	229.29	9.61	15.10		15.24	0.000443	1.64	140.12	40.58	0.28
Usciana_2	5	Att_100_24h_SIMI	189.69	9.61	14.82		14.93	0.000386	1.47	129.01	39.62	0.26
Usciana_2	5	Att_30_24h_SIMI	103.60	9.61	14.38		14.43	0.000169	0.92	112.12	37.26	0.17
Usciana_2	4	Att_200_24h_SIMI	229.16	9.61	15.10		15.24	0.000444	1.64	140.08	40.60	0.28
Usciana_2	4	Att_100_24h_SIMI	189.69	9.61	14.82		14.93	0.000387	1.47	128.98	39.68	0.26
Usciana_2	4	Att_30_24h_SIMI	103.60	9.61	14.38		14.43	0.000169	0.92	112.12	37.31	0.17
Usciana_2	3	Att_200_24h_SIMI	229.16	8.67	15.02		15.14	0.000354	1.50	153.06	43.04	0.25
Usciana_2	3	Att_100_24h_SIMI	189.68	8.67	14.76		14.85	0.000305	1.34	141.69	42.25	0.23
Usciana_2	3	Att_30_24h_SIMI	103.60	8.67	14.35		14.39	0.000132	0.83	124.95	41.07	0.15
Usciana_2	2	Att_200_24h_SIMI	229.15	9.06	14.95		15.07	0.000374	1.52	150.29	43.07	0.26
Usciana_2	2	Att_100_24h_SIMI	189.68	9.06	14.70		14.79	0.000321	1.36	139.33	42.30	0.24

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	2	Att_30_24h_SIMI	103.60	9.06	14.33		14.37	0.000136	0.84	123.97	41.20	0.15
Usciana_2	1	Att_200_24h_SIMI	229.21	9.28	14.90	12.50	15.02	0.000430	1.55	147.76	46.72	0.28
Usciana_2	1	Att_100_24h_SIMI	189.45	9.28	14.65	12.27	14.75	0.000368	1.39	136.26	45.18	0.26
Usciana_2	1	Att_30_24h_SIMI	95.90	9.28	14.31	11.33	14.34	0.000132	0.79	121.22	43.48	0.15

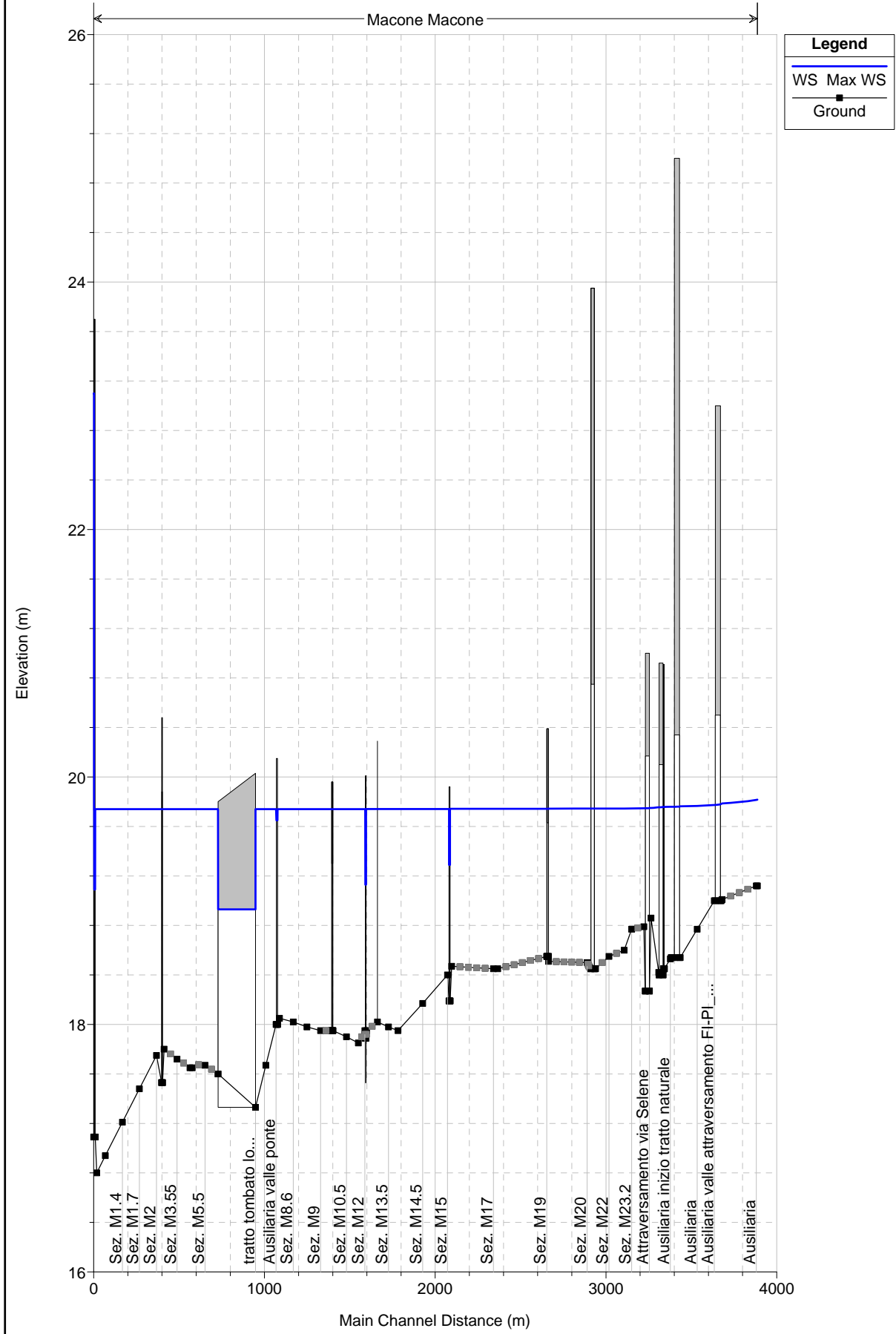
Scenario C

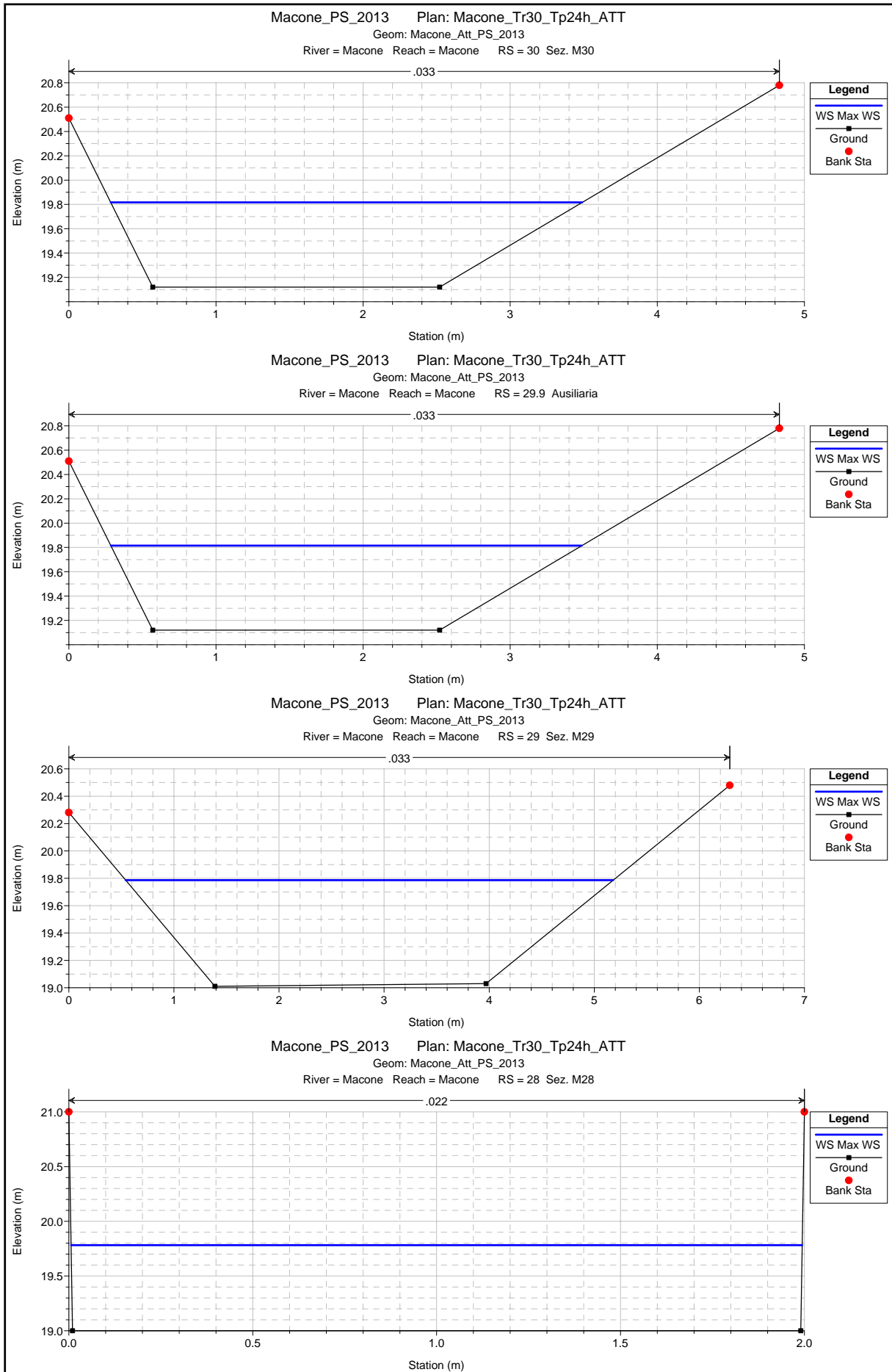
Tr 30 anni

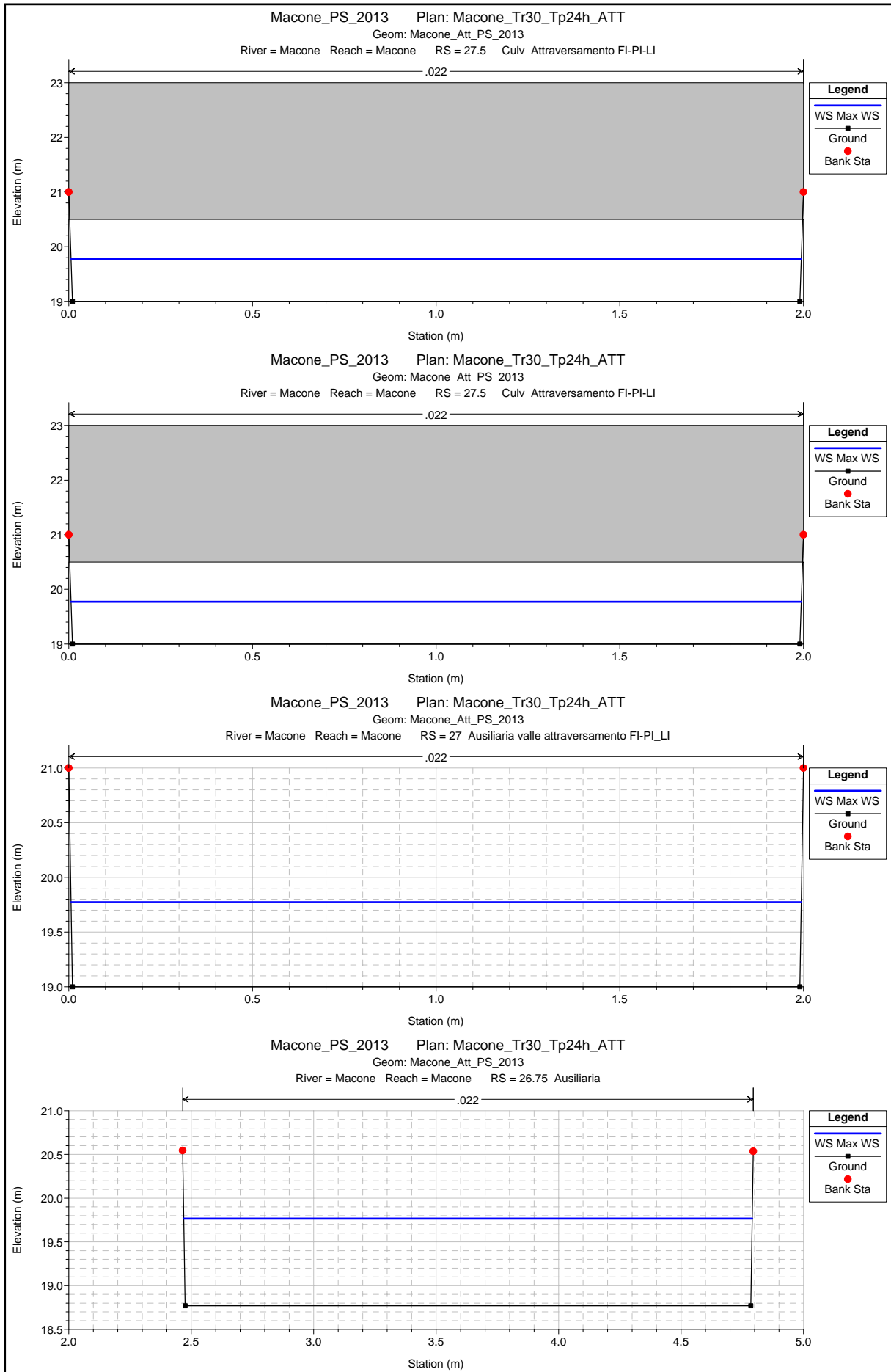
RIO MACONE

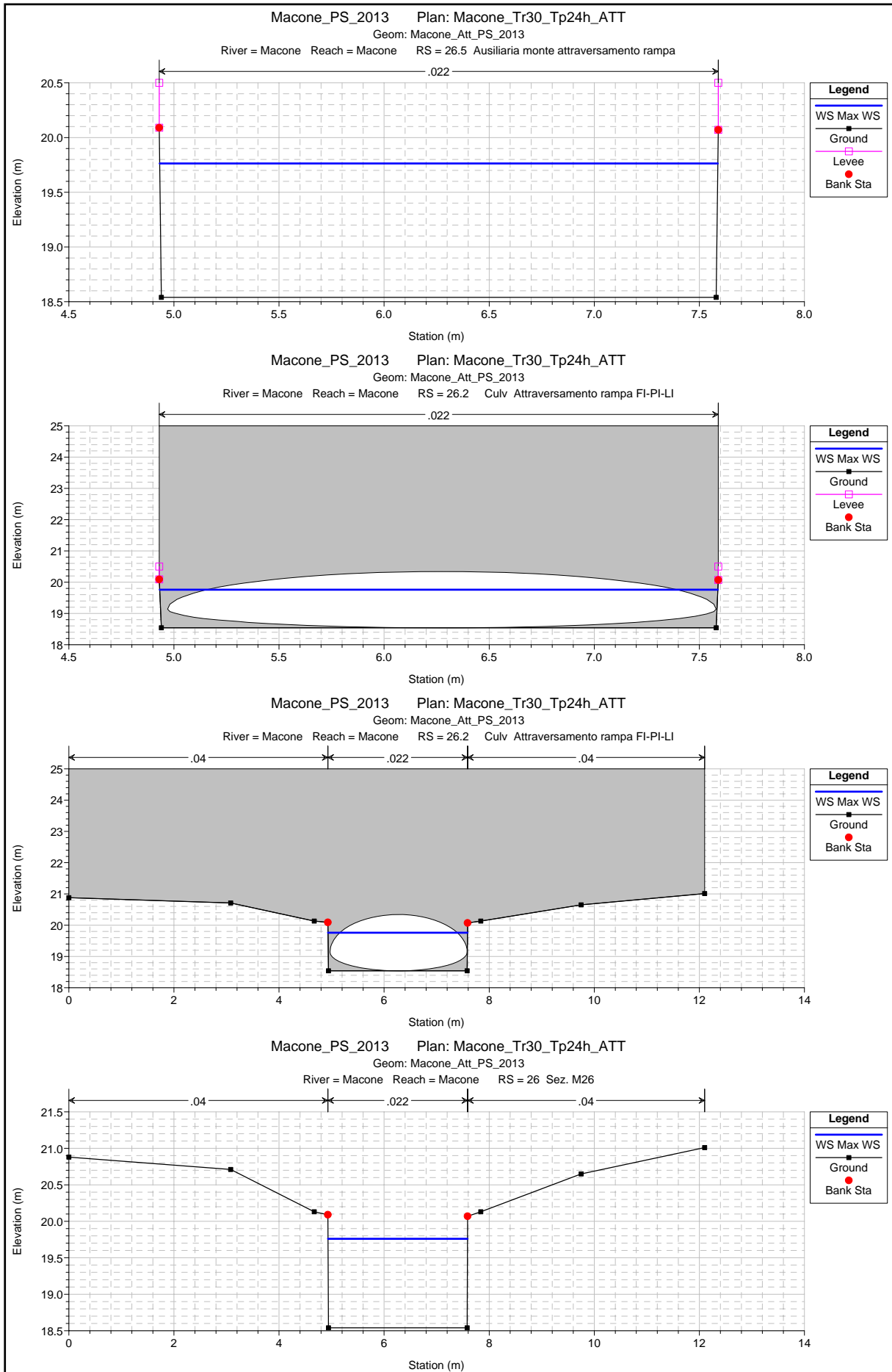
- **Profili**
- **Sezioni**
- **Tabelle di Output**

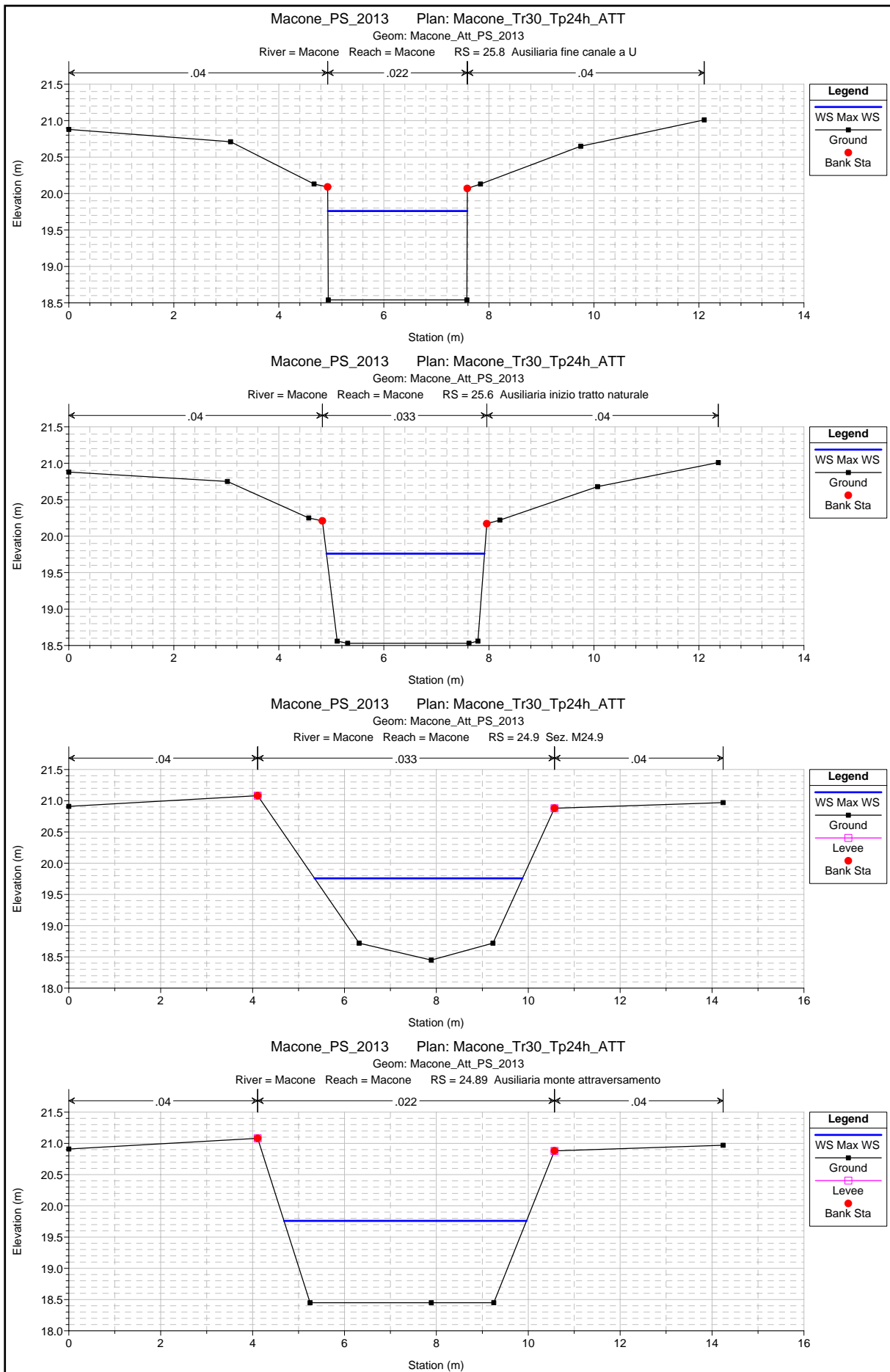
Macone_PS_2013 Plan: Macone_Tr30_Tp24h_ATT
 Geom: Macone_Att_PS_2013

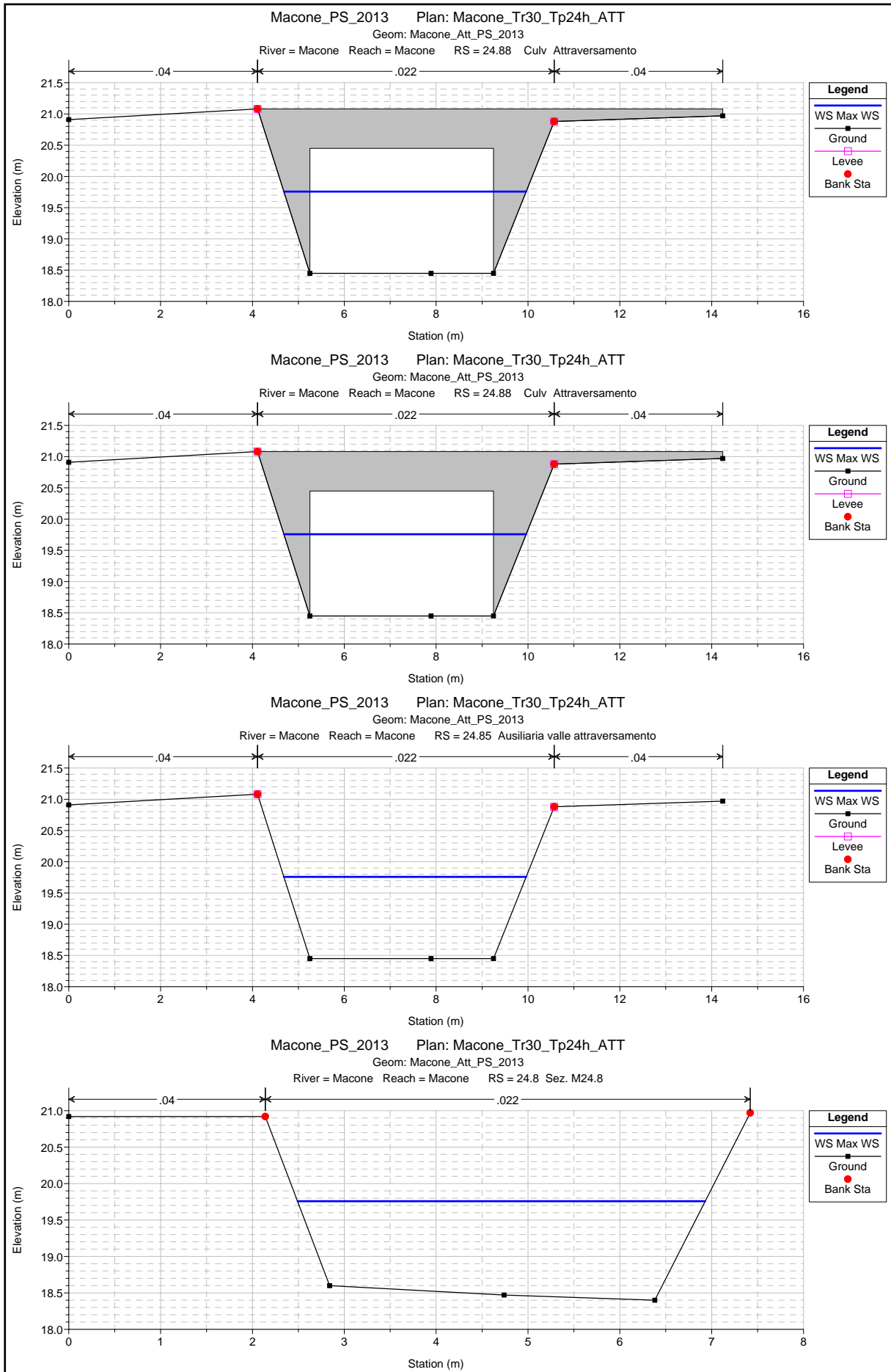


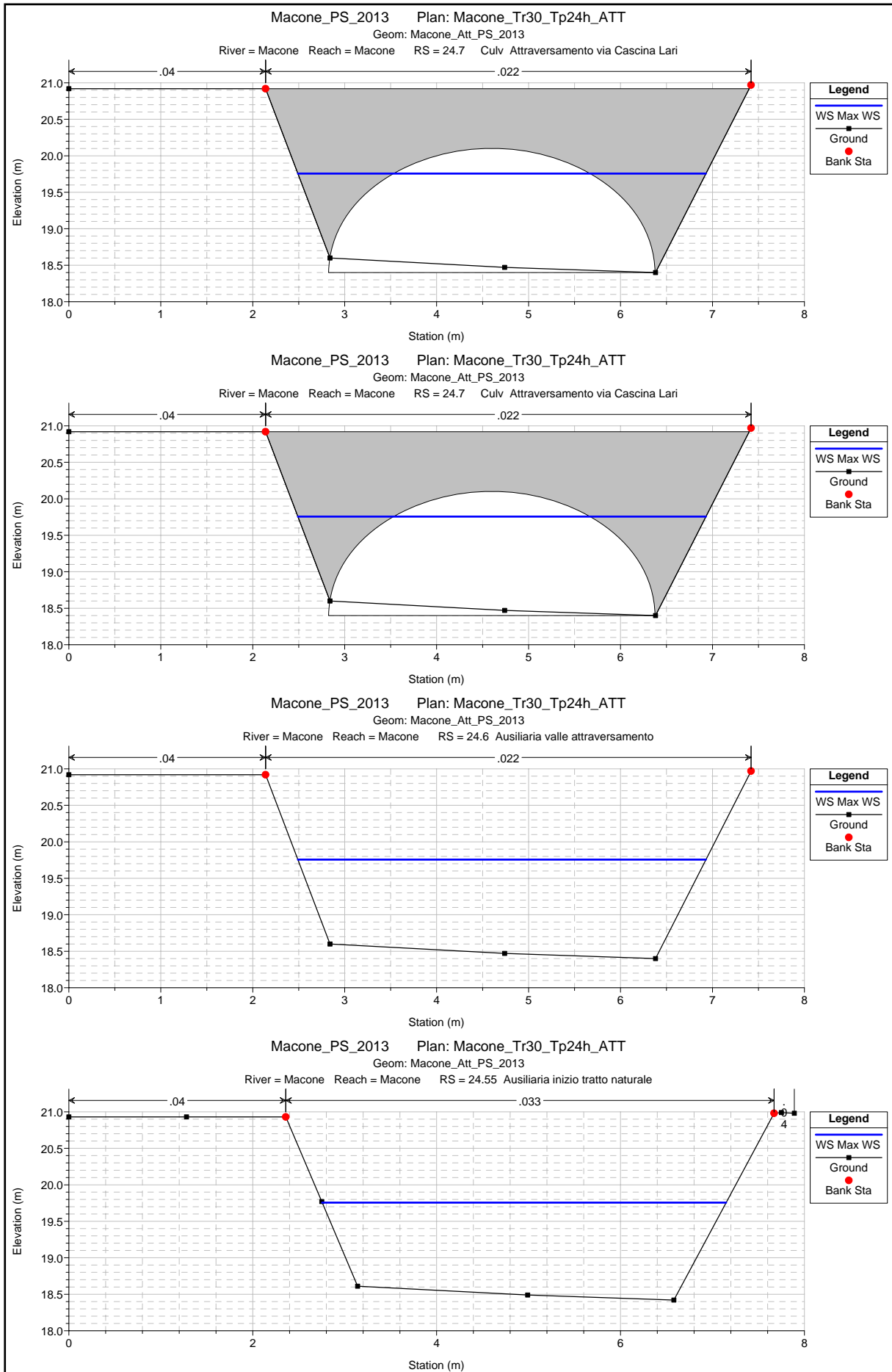


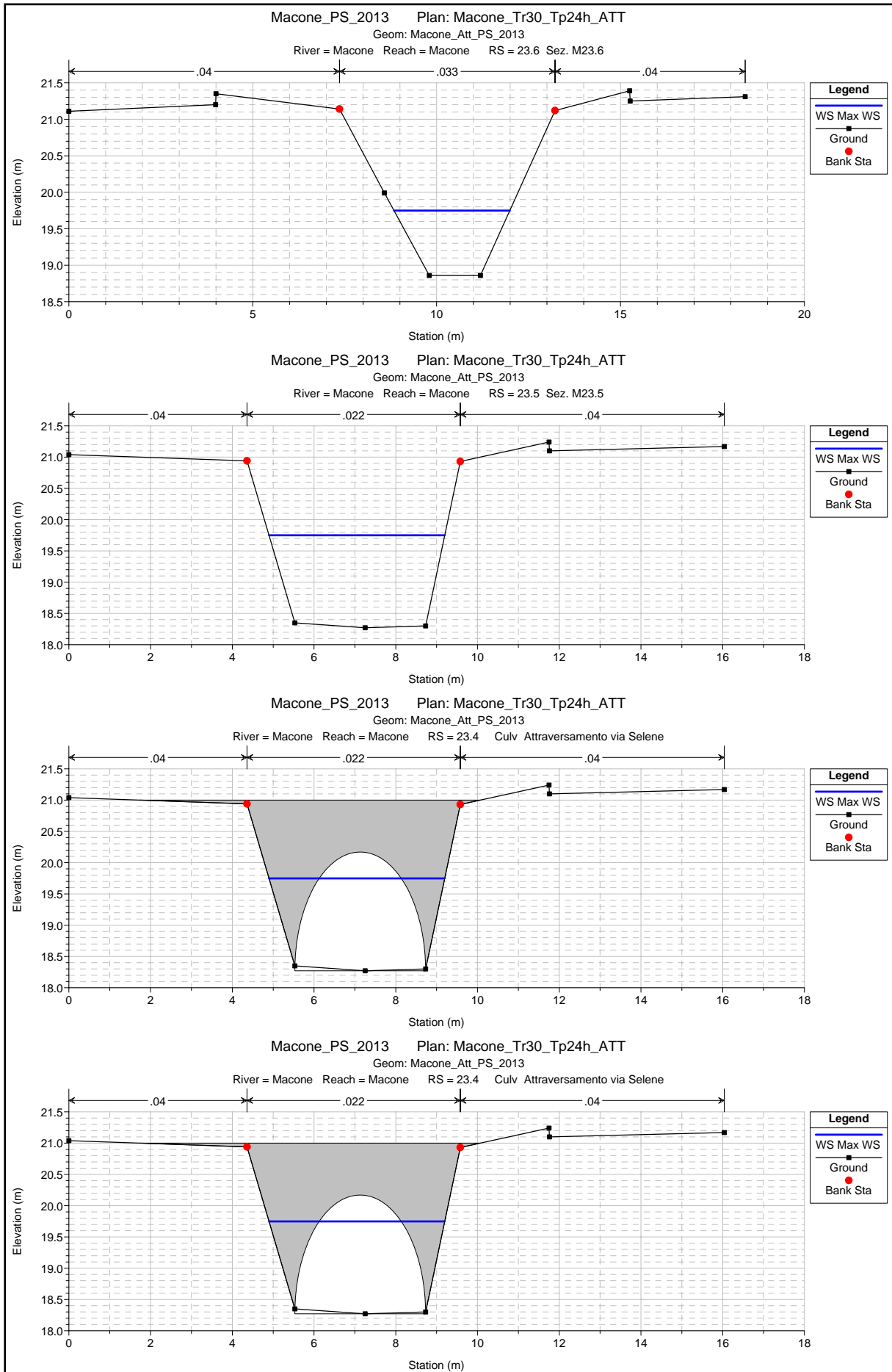


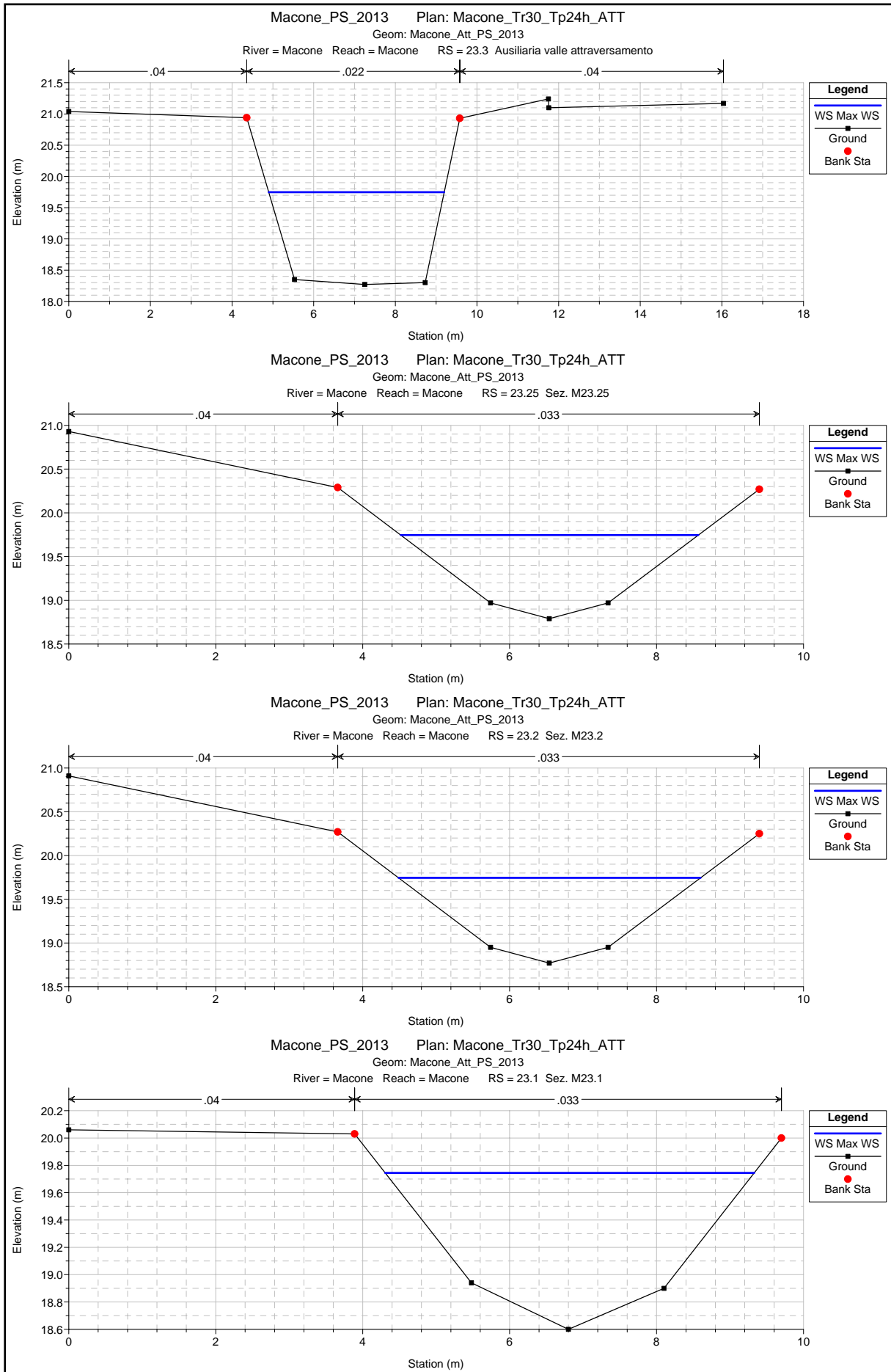


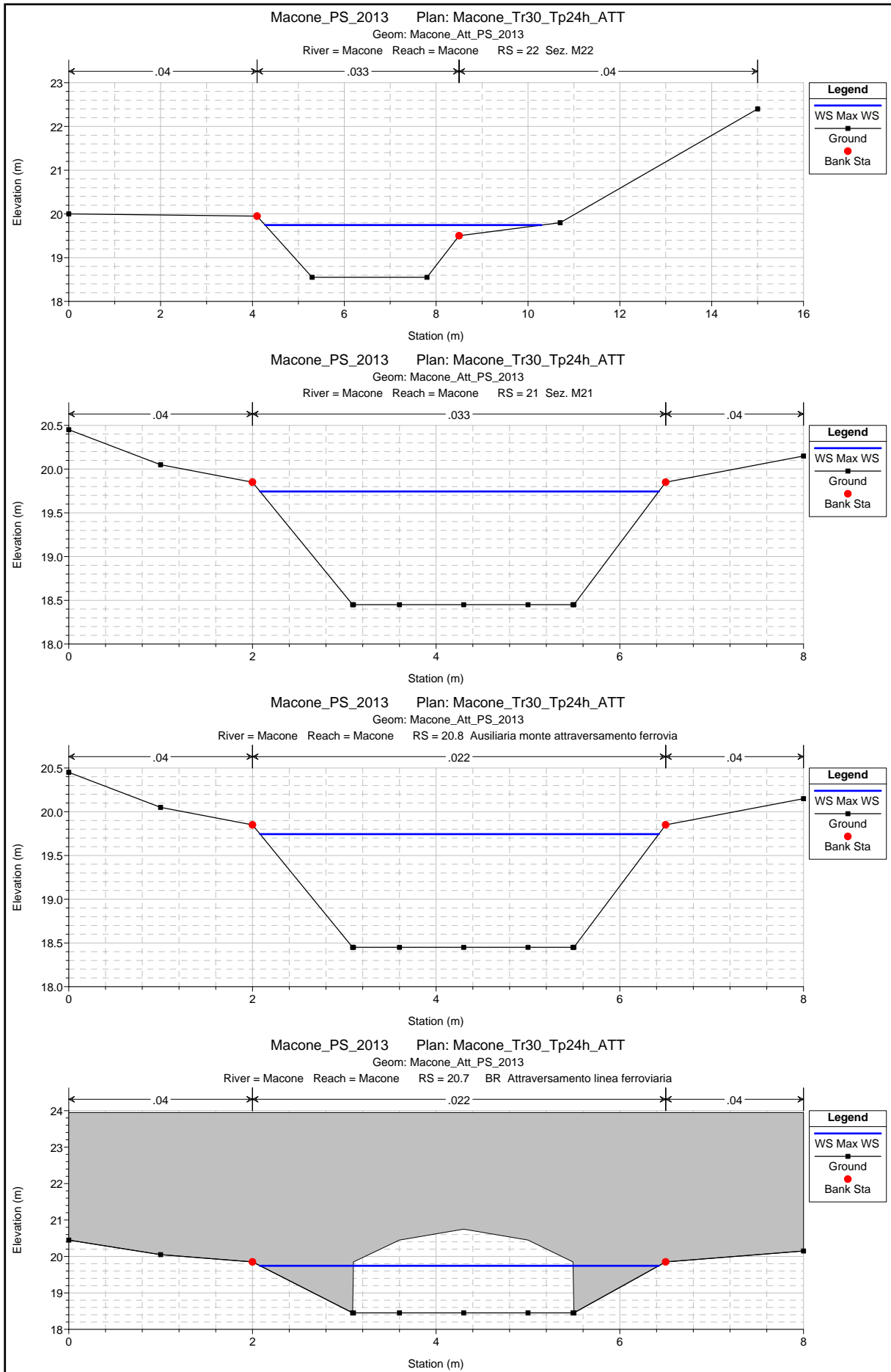


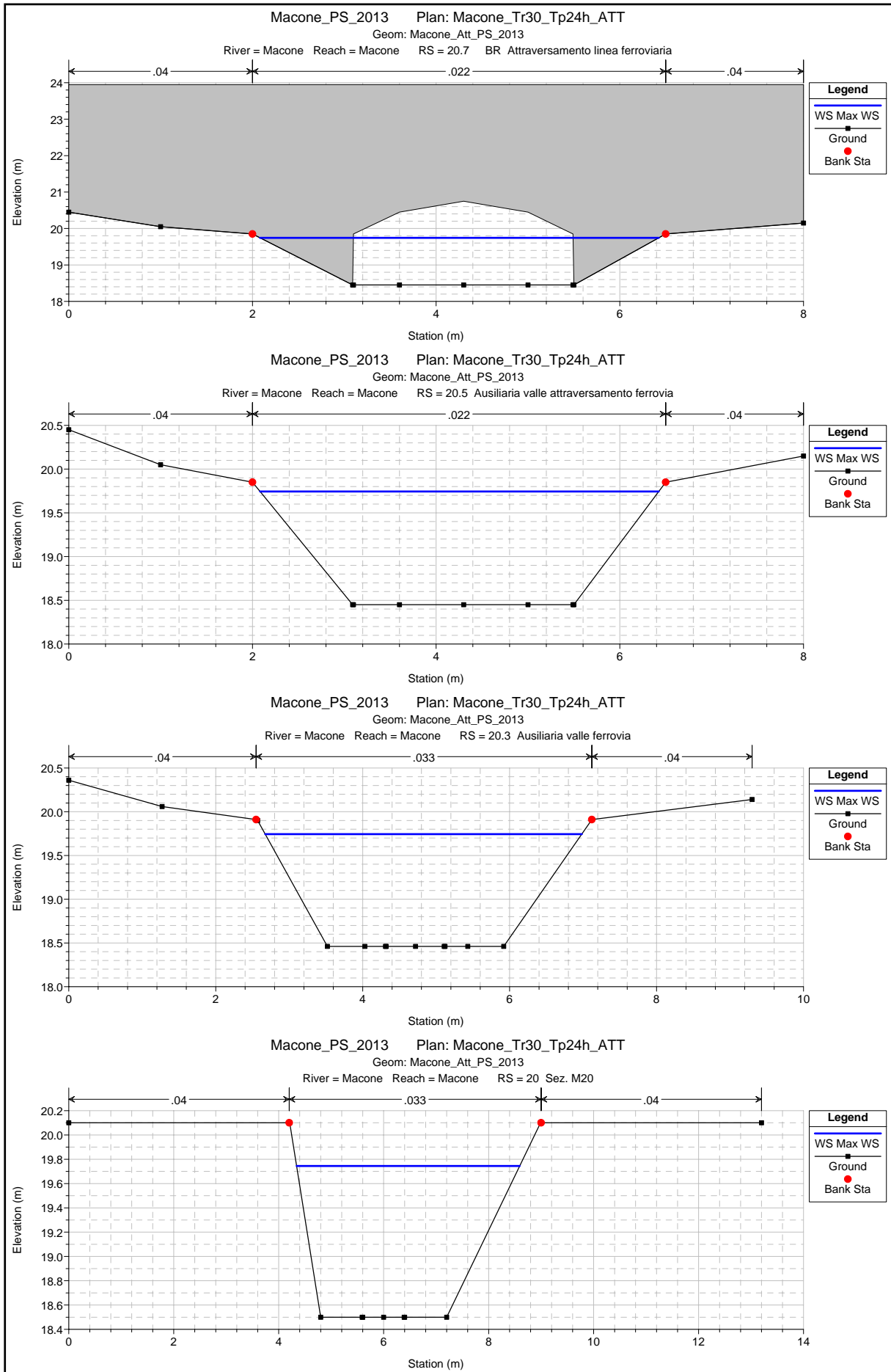


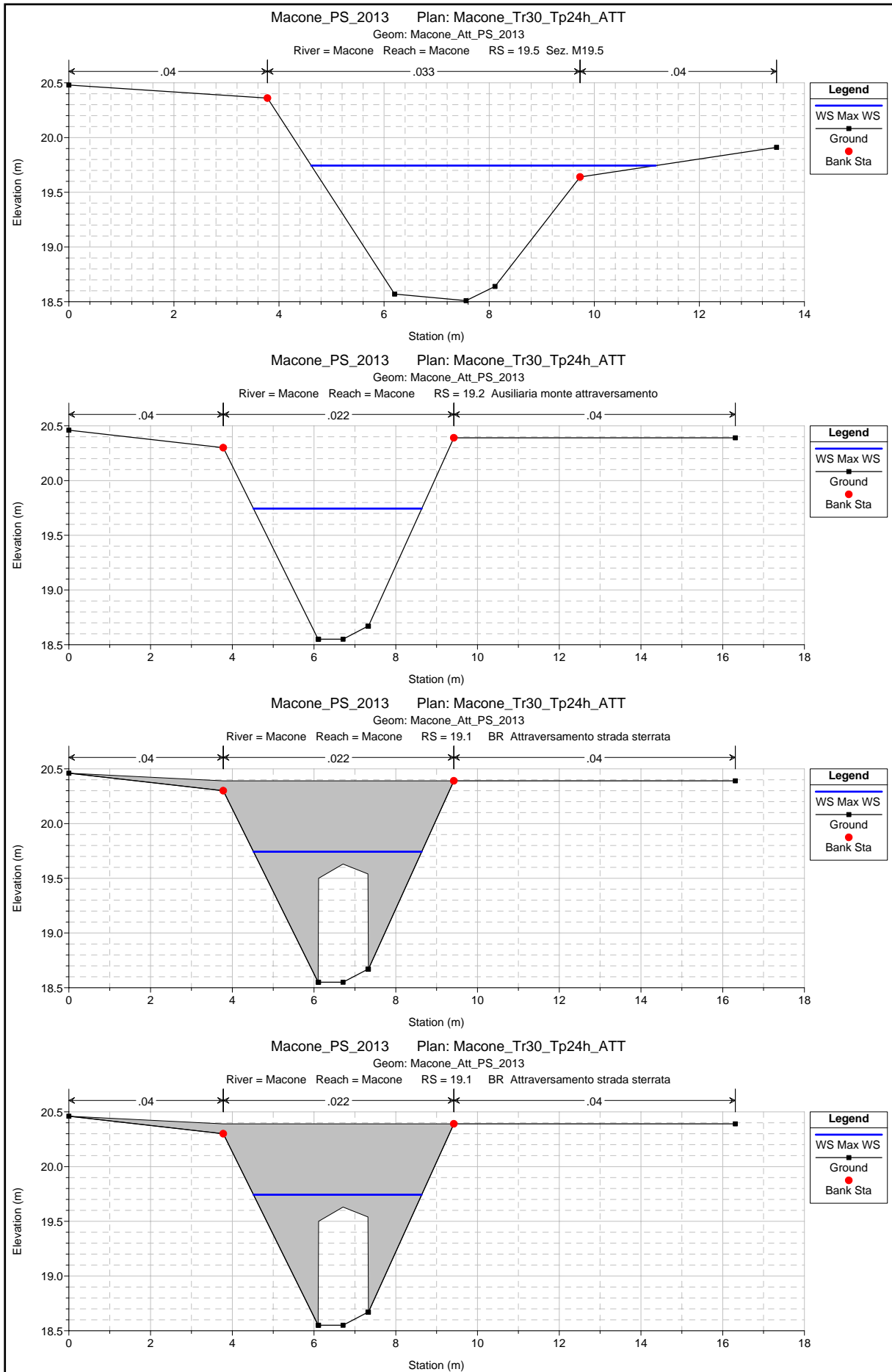


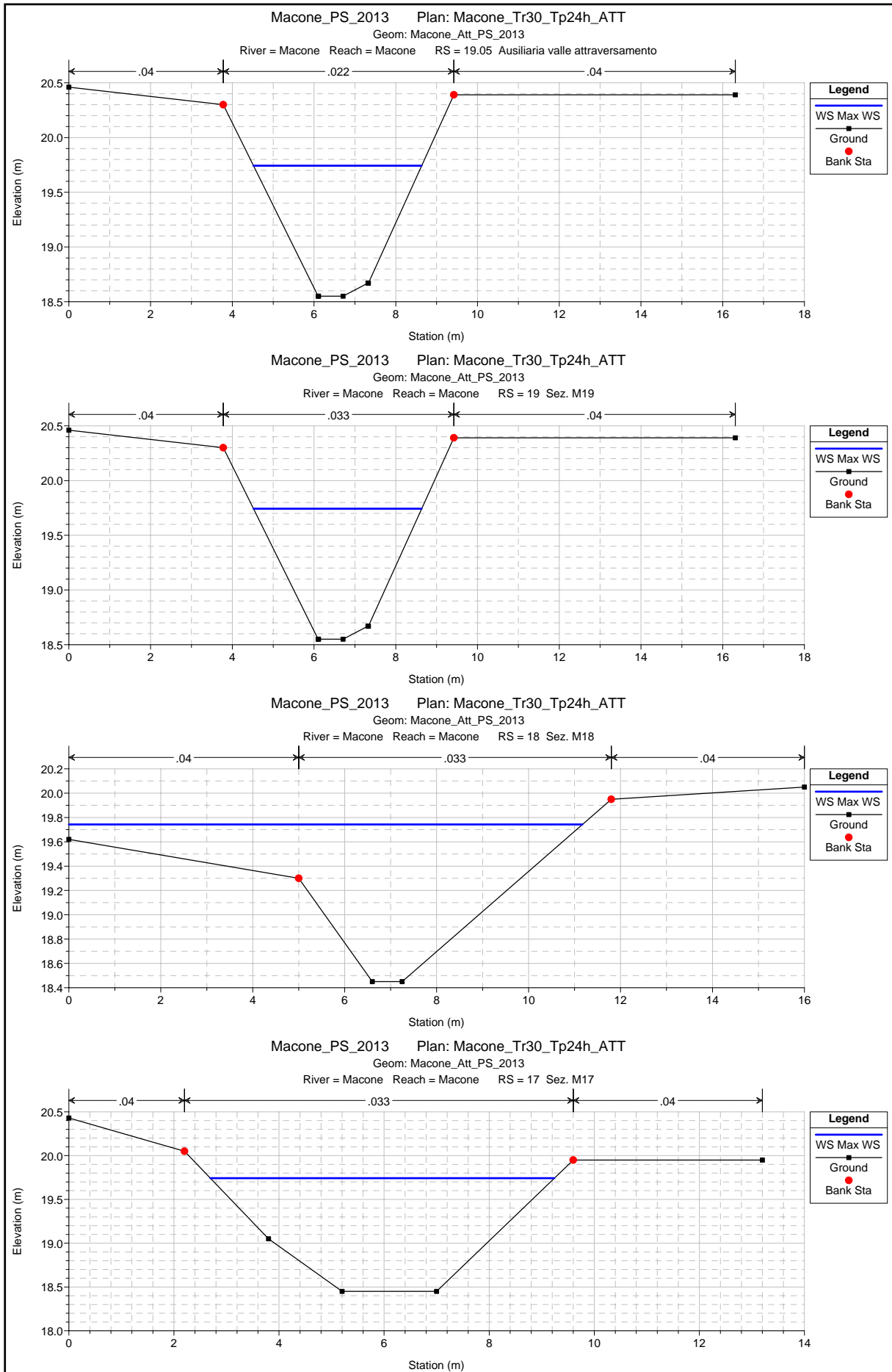


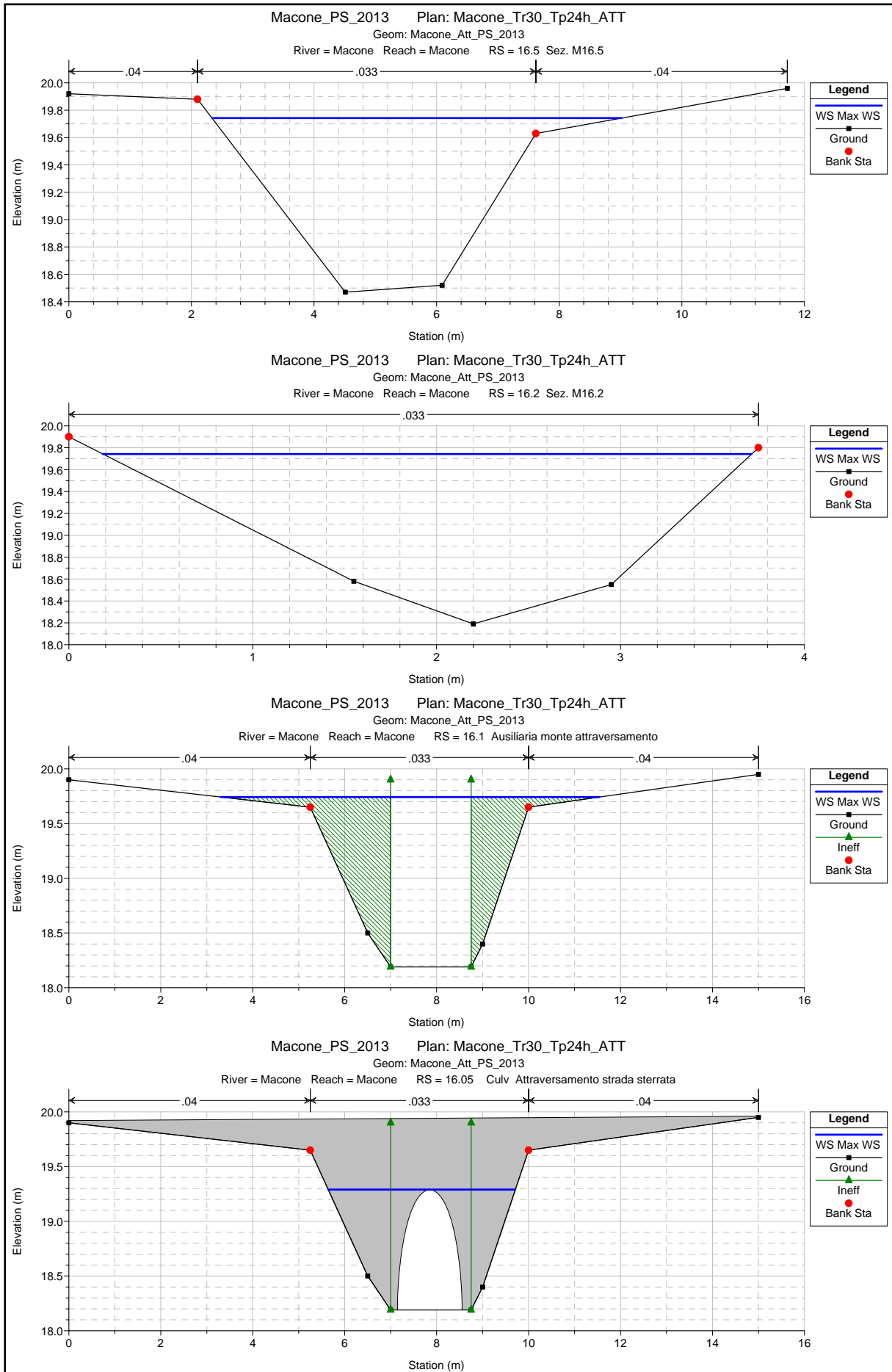


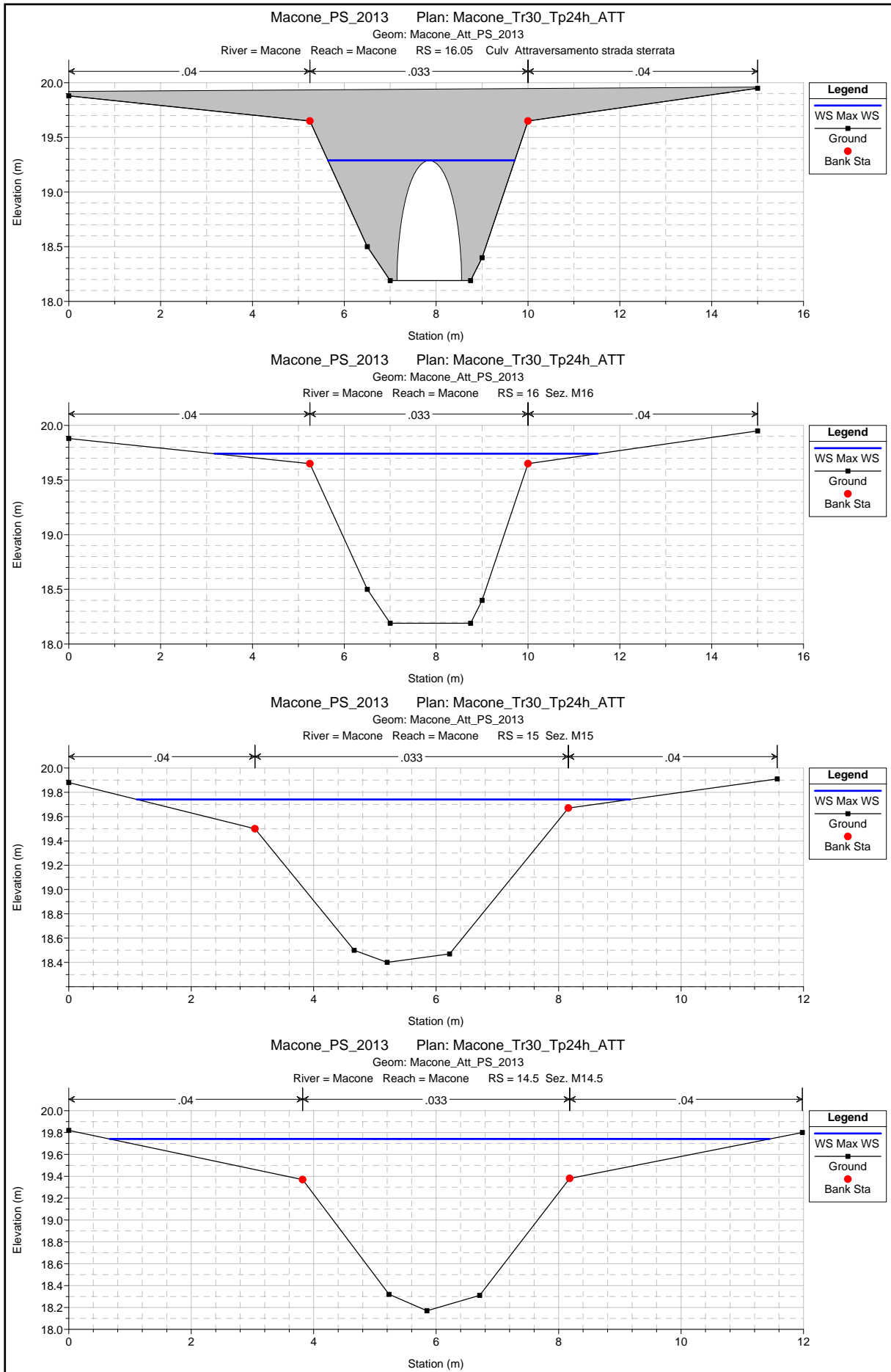


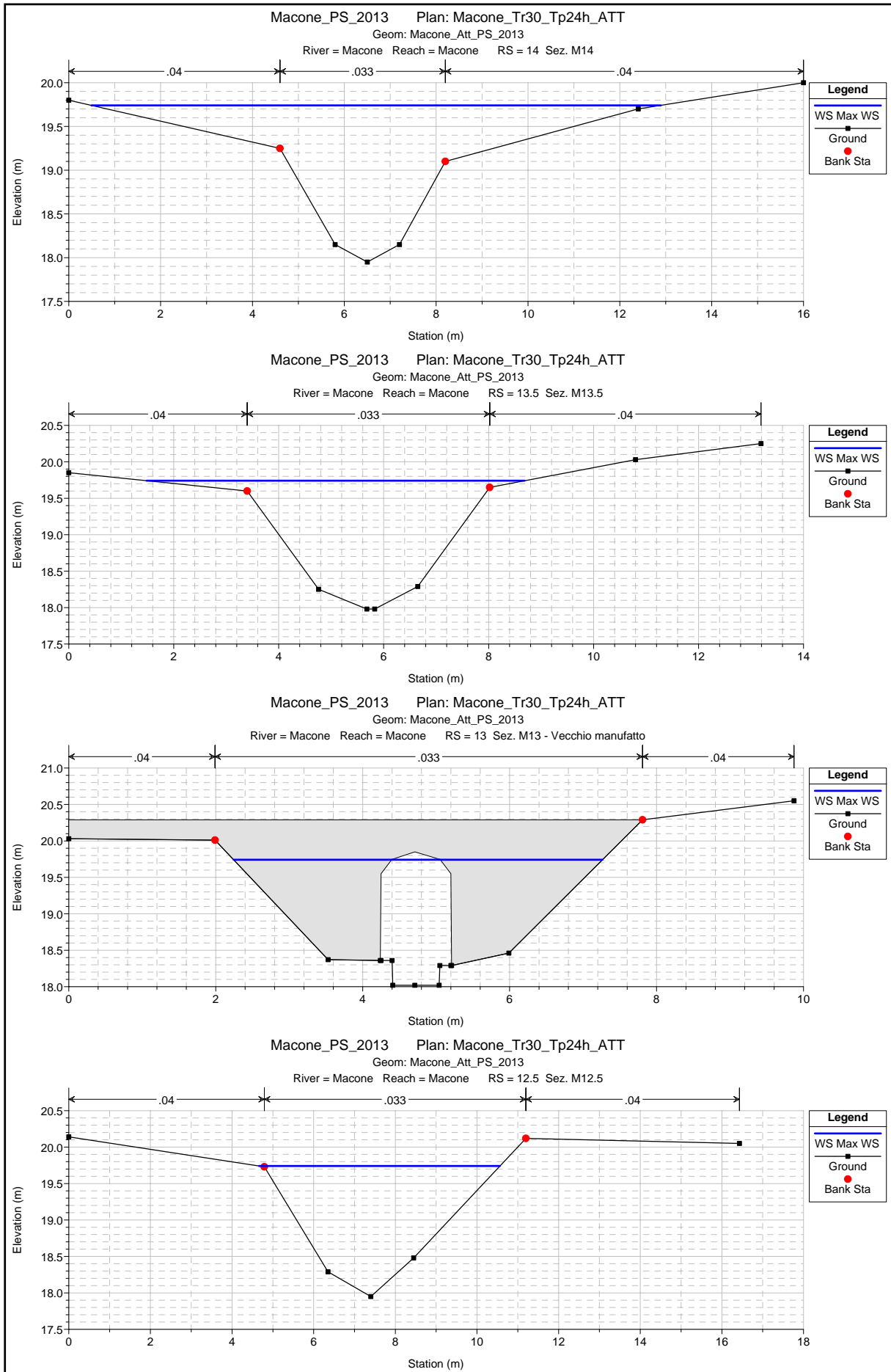


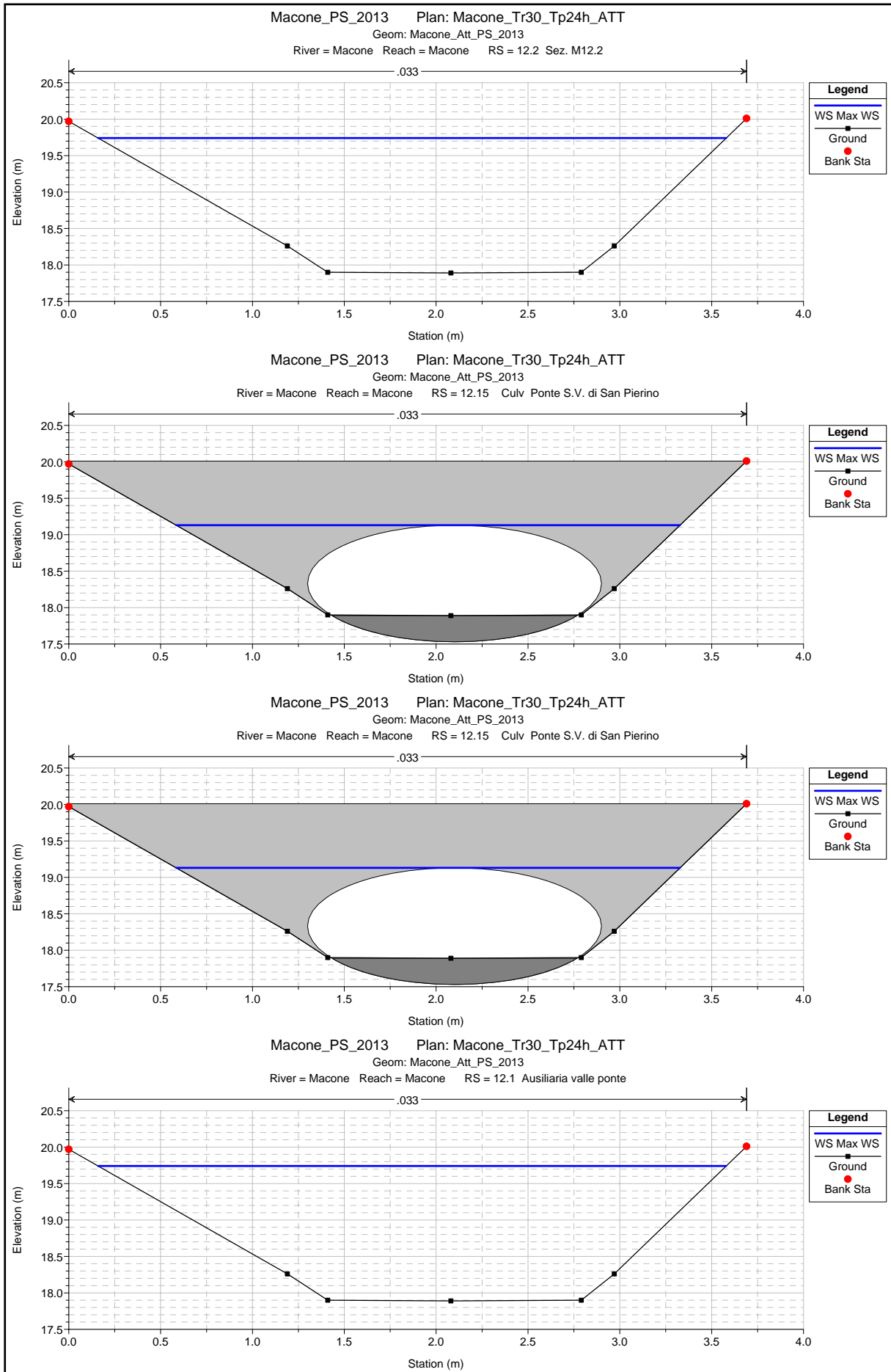


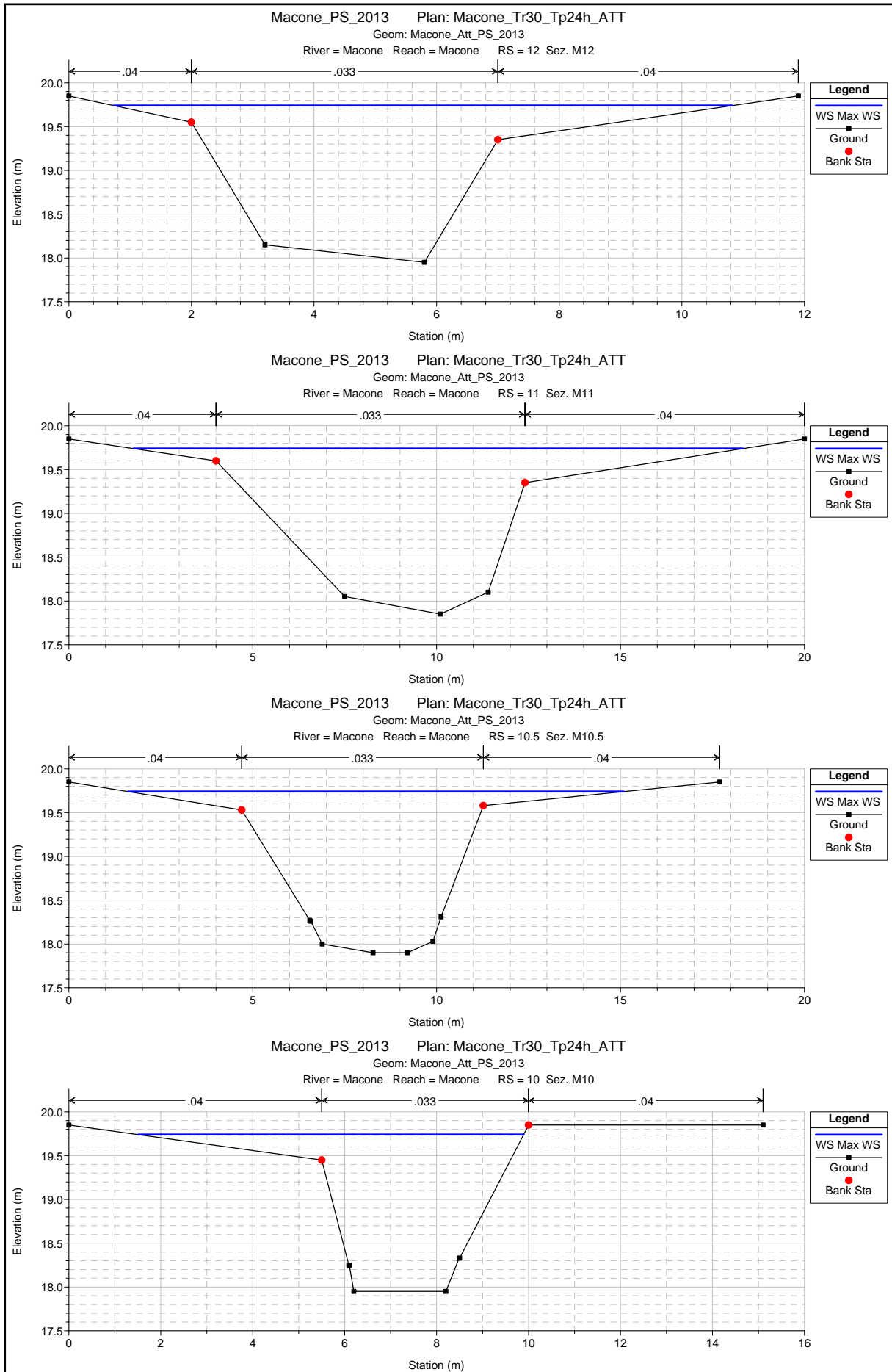


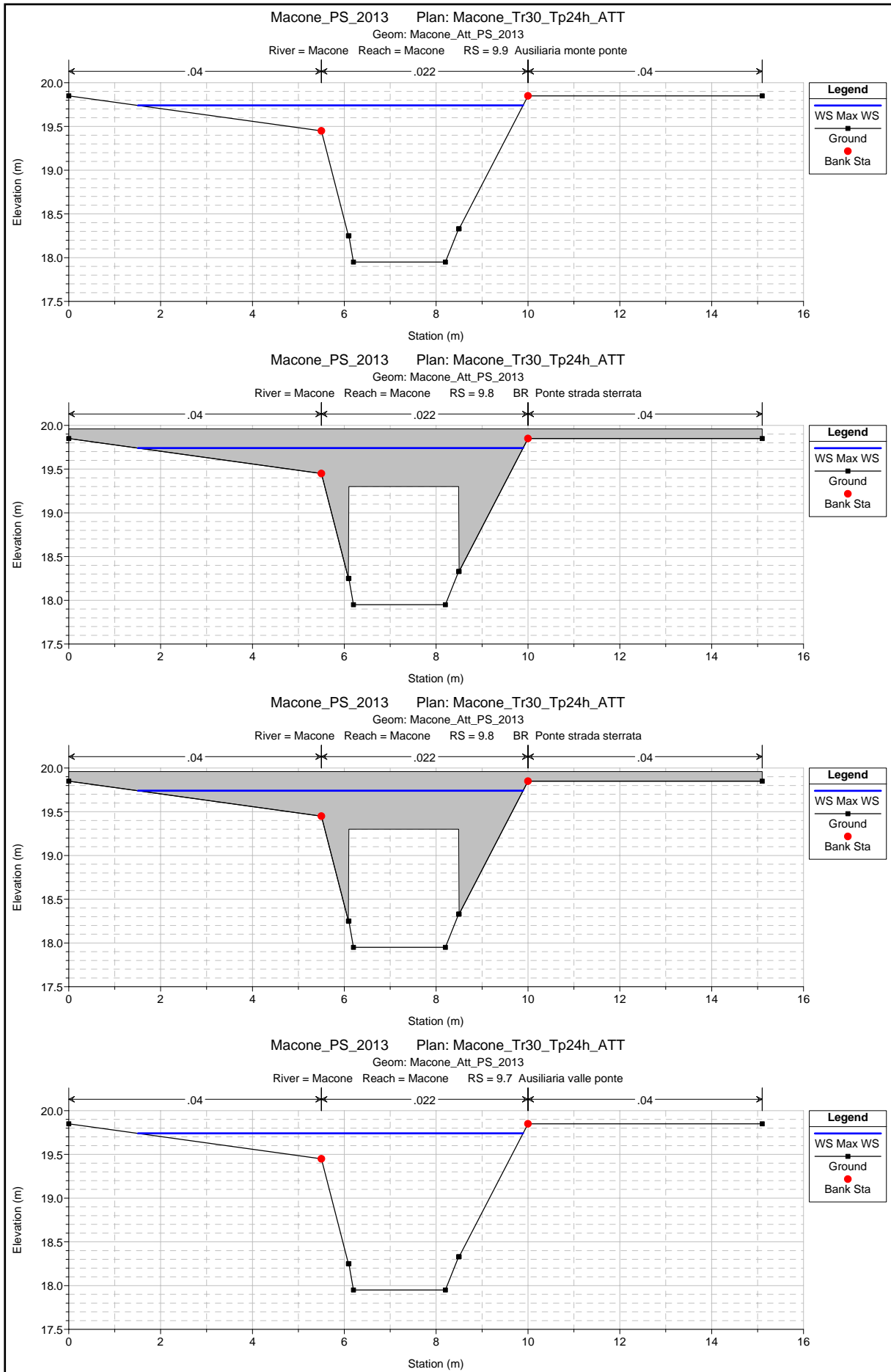


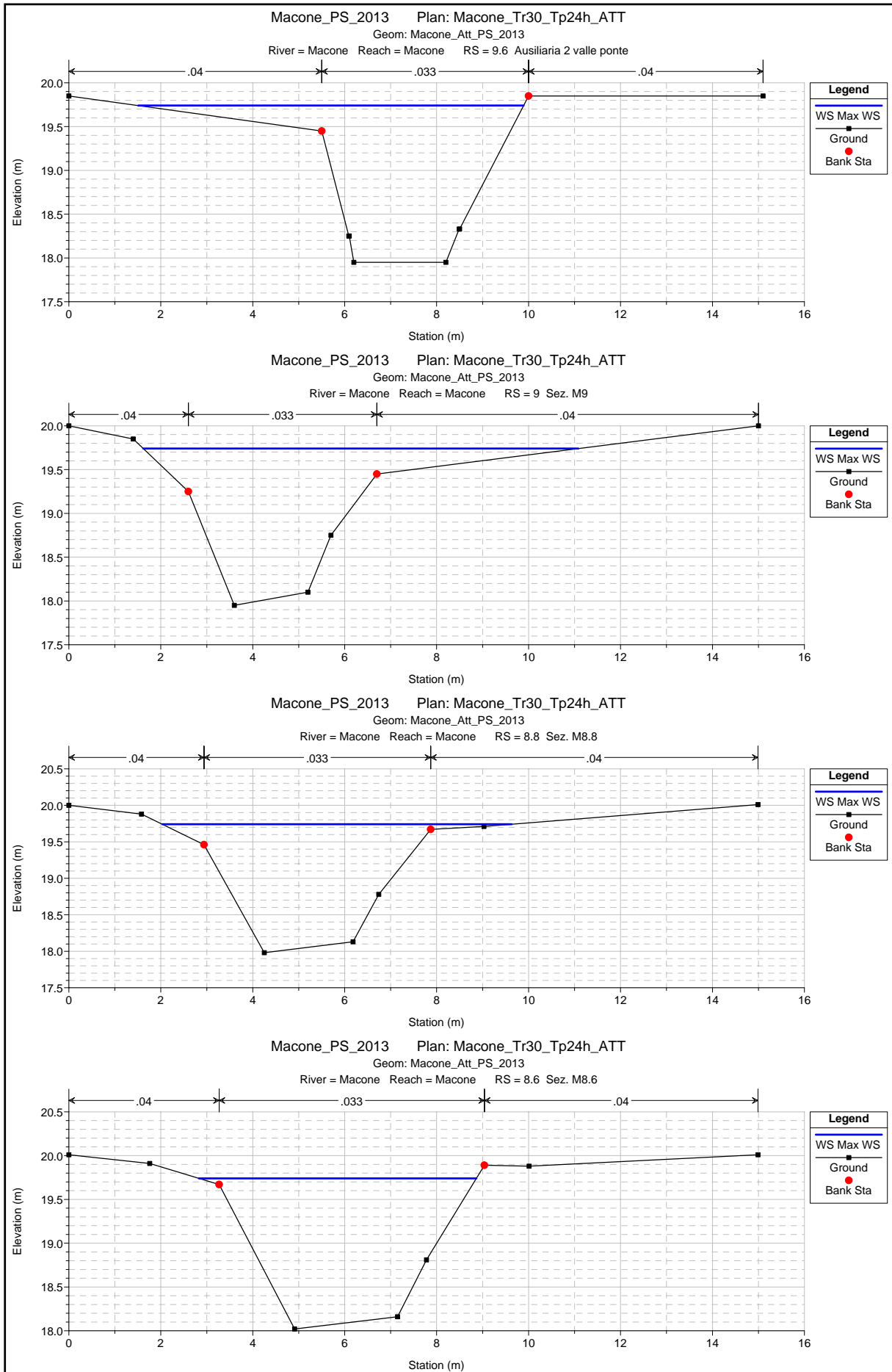


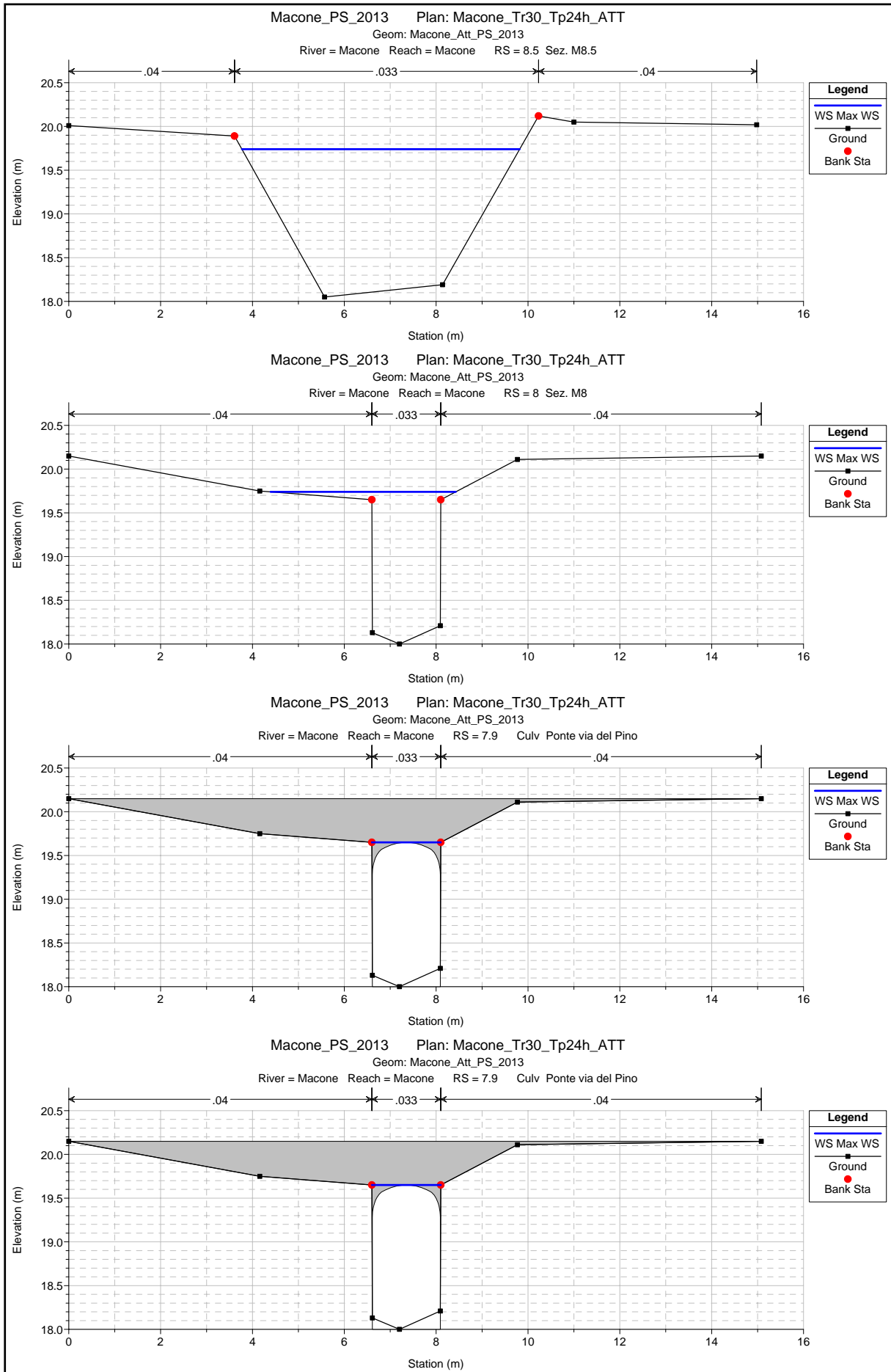


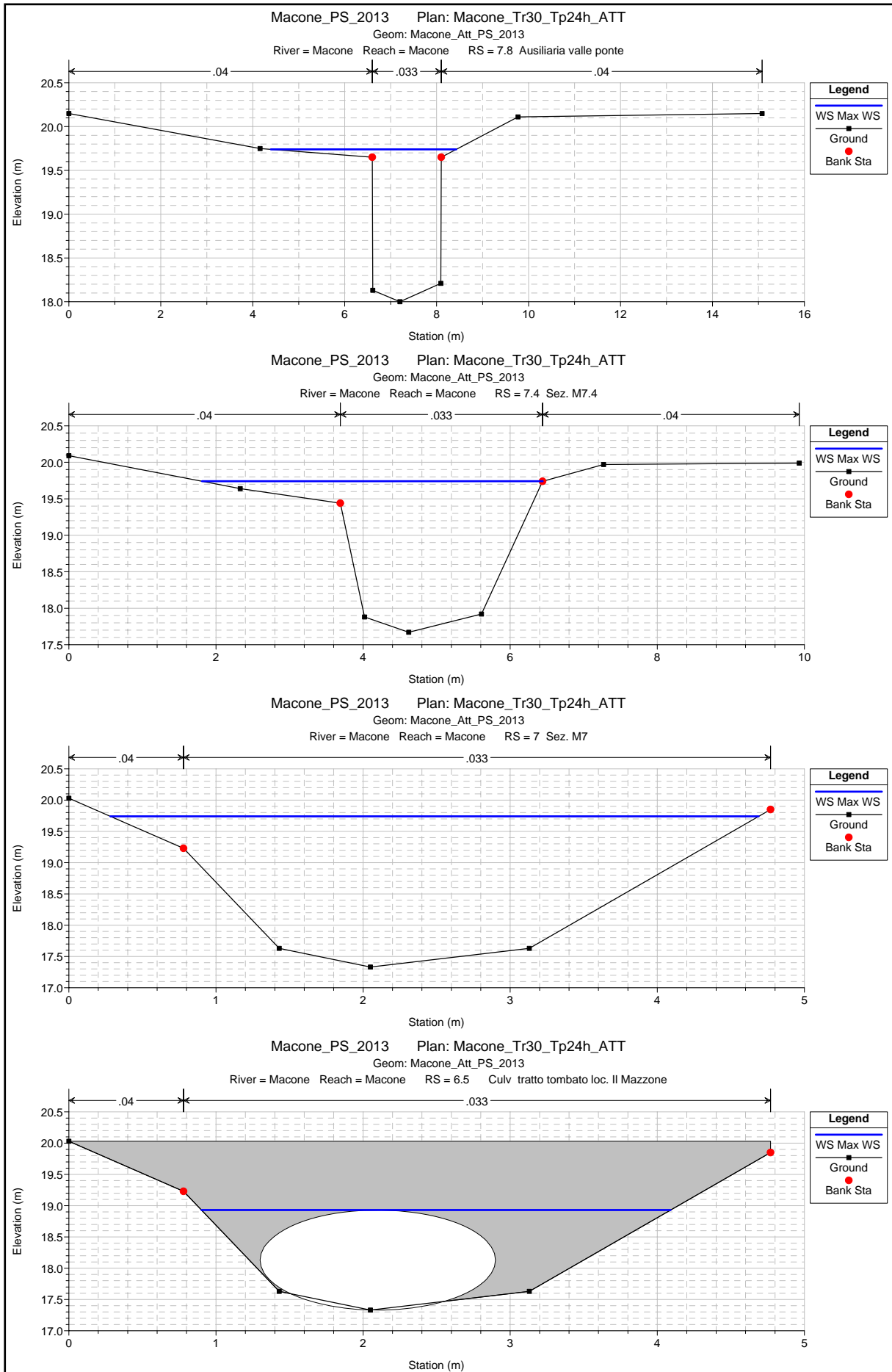


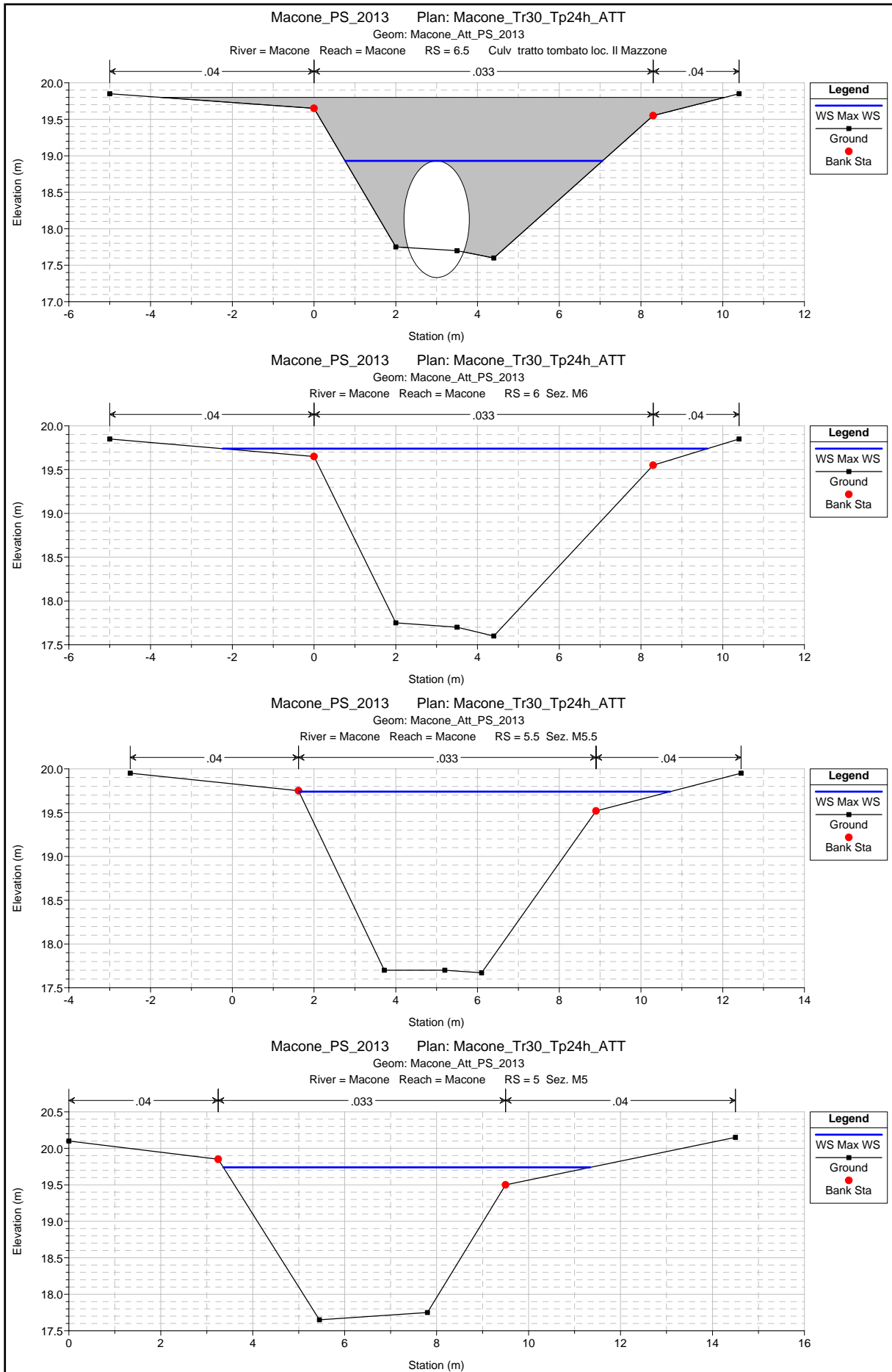


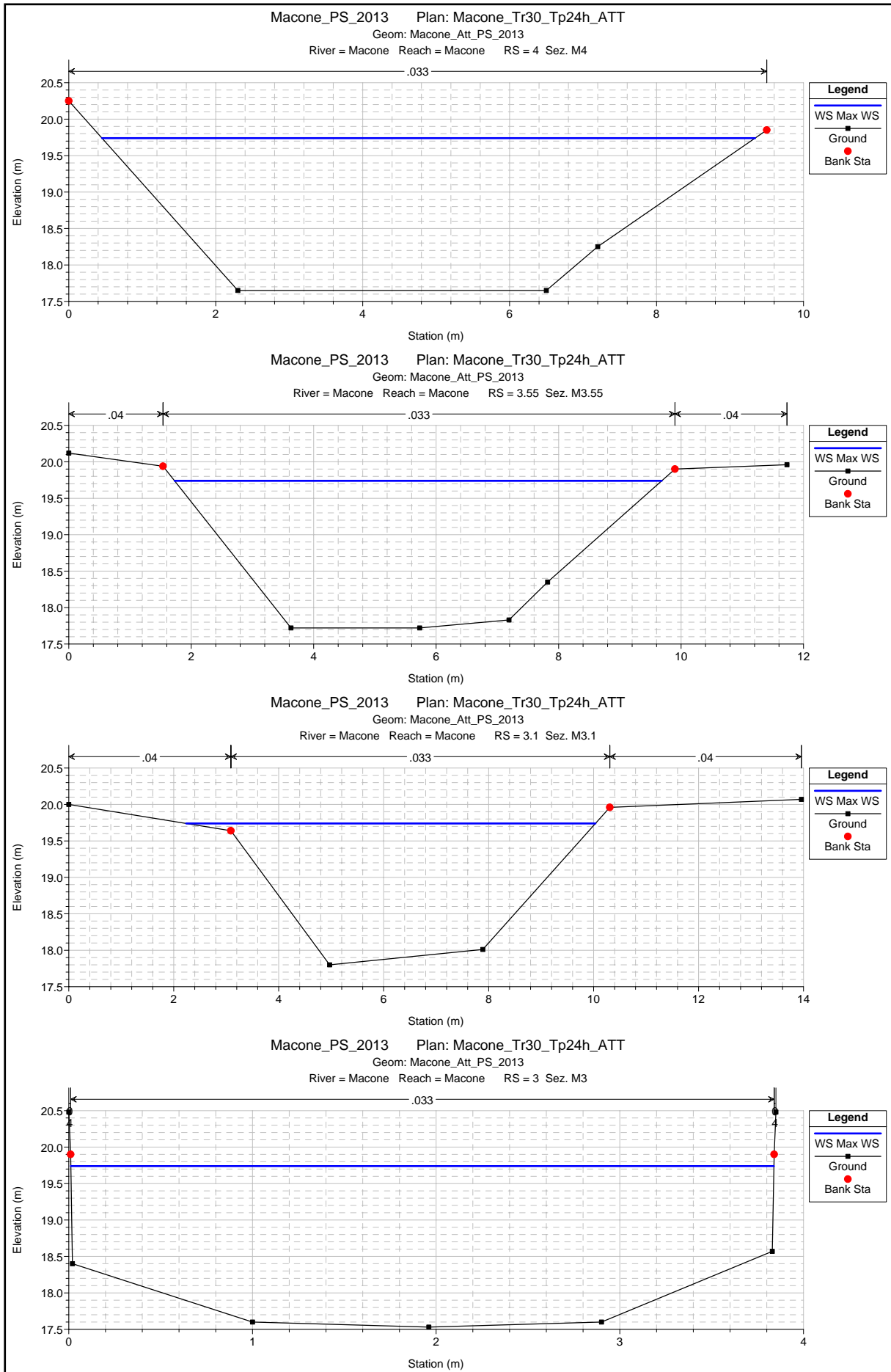


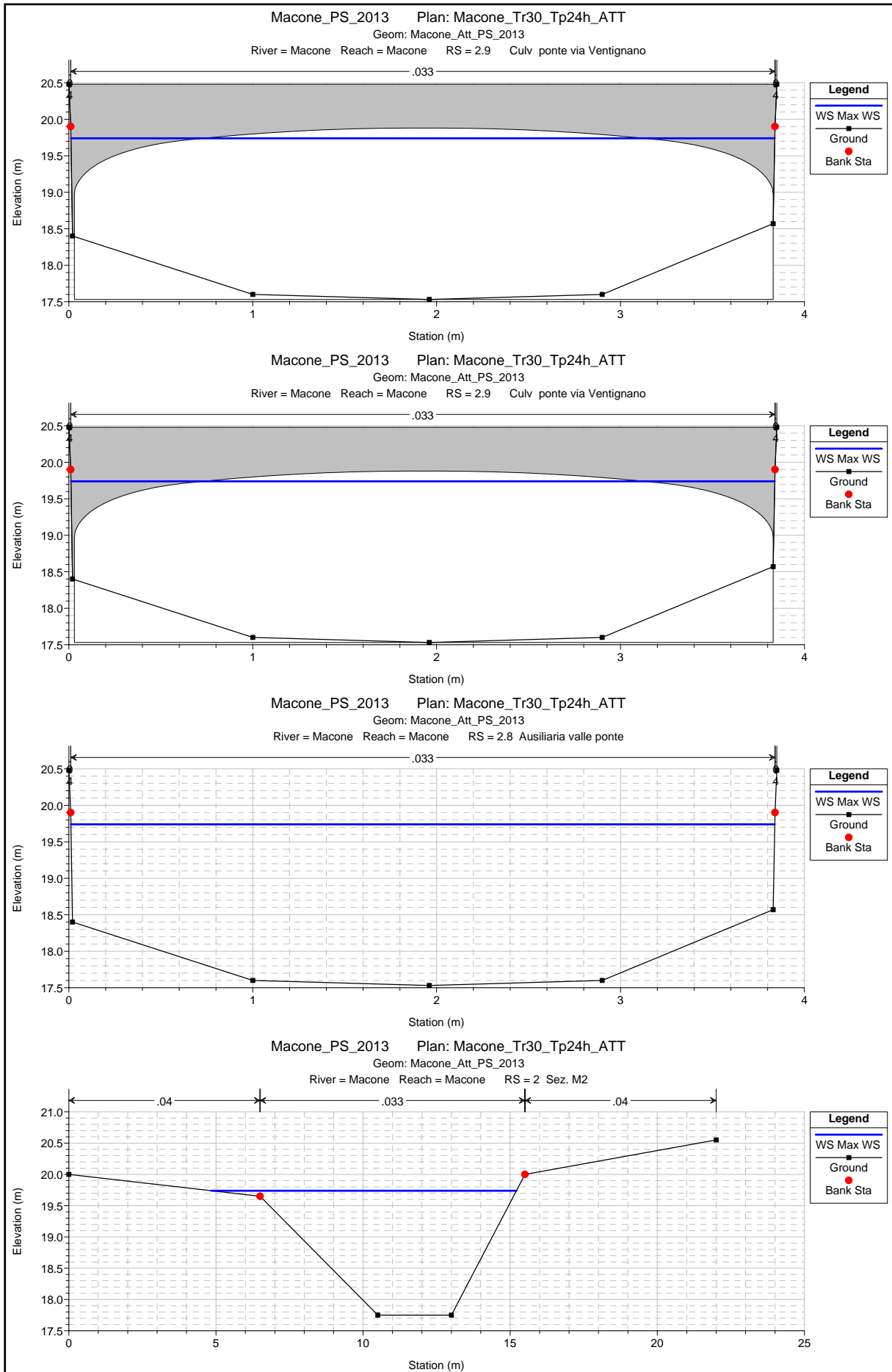


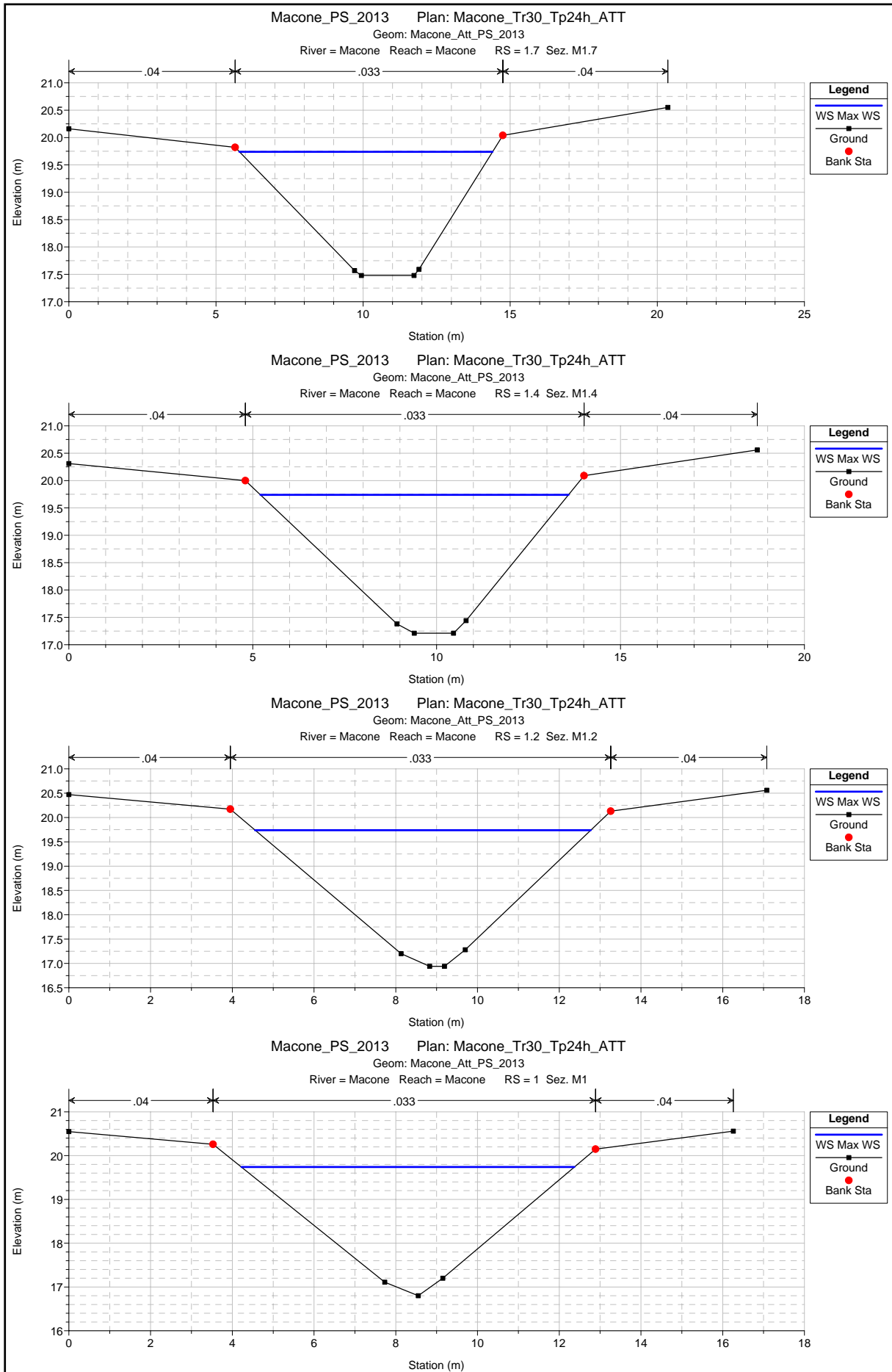


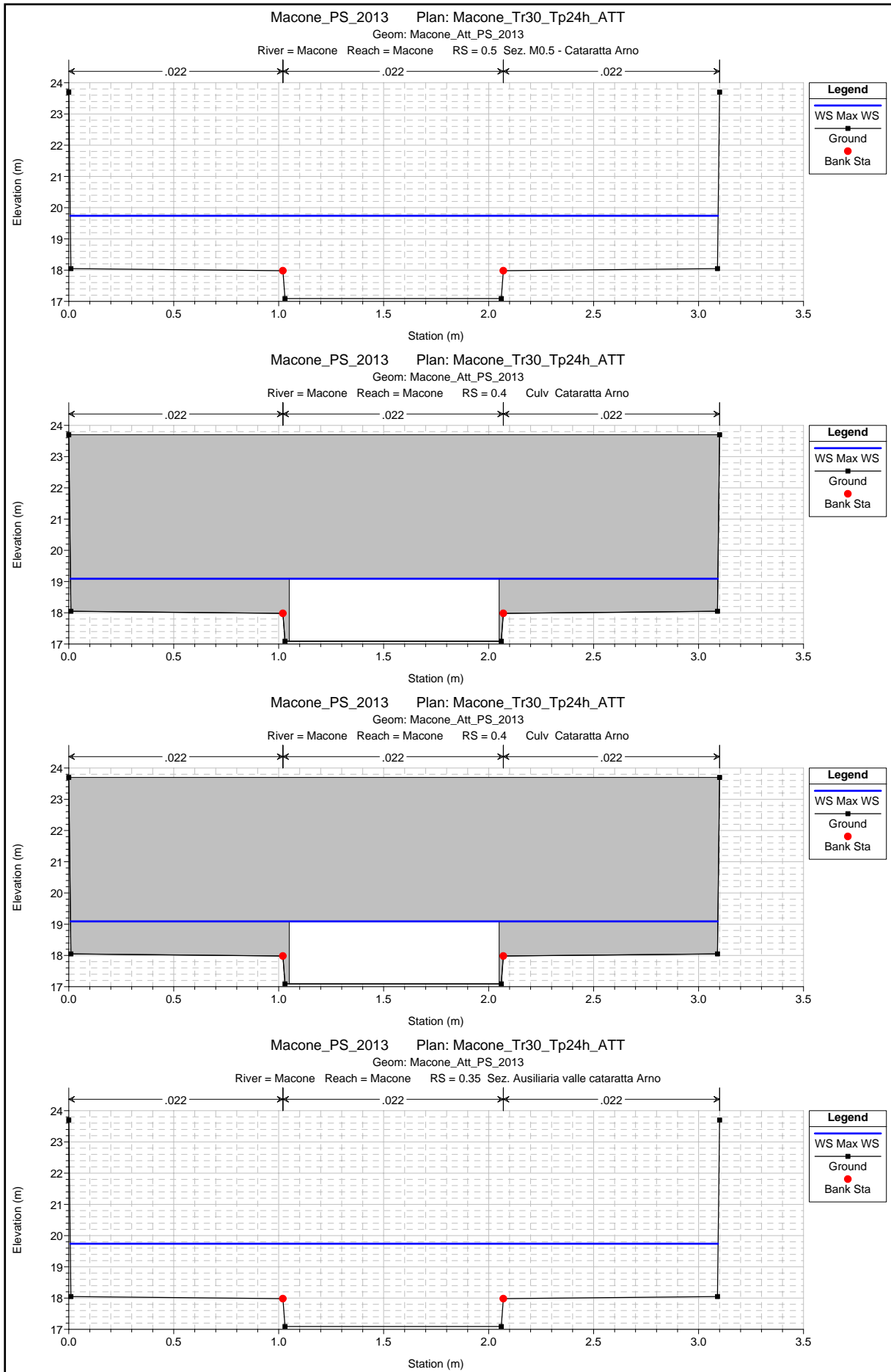


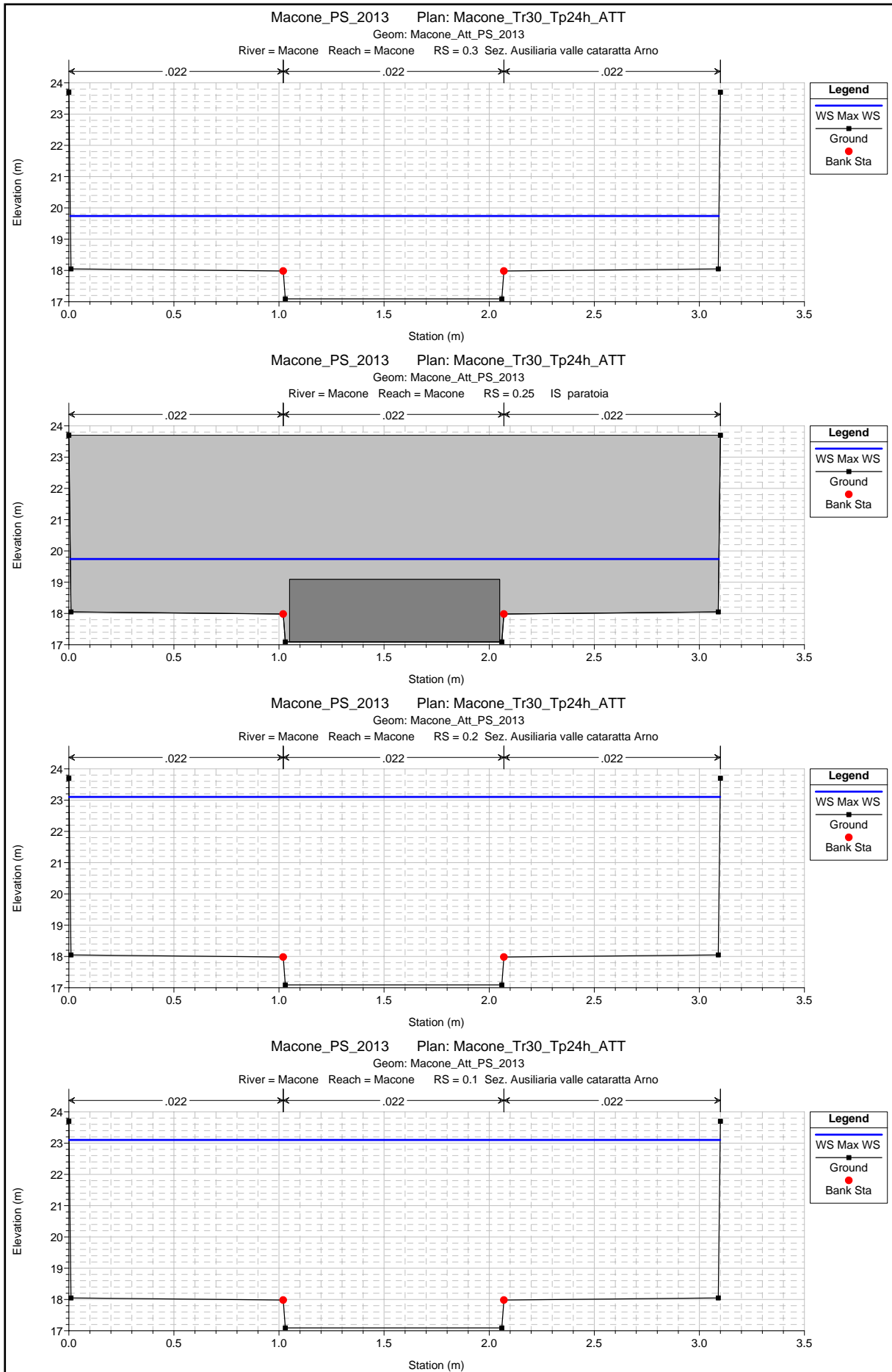












HEC-RAS Plan: Tr30_Tp24h_ATT River: Macone Reach: Macone Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	30	Max WS	0.52	19.12	19.82		19.82	0.000257	0.29	1.80	3.20	0.12
Macone	29.9	Max WS	0.52	19.12	19.82		19.82	0.000259	0.29	1.79	3.20	0.12
Macone	29.88		Lat Struct									
Macone	29	Max WS	0.52	19.01	19.79		19.79	0.000087	0.19	2.77	4.64	0.08
Macone	28	Max WS	0.52	19.00	19.78		19.79	0.000161	0.33	1.55	1.99	0.12
Macone	27.5		Culvert									
Macone	27	Max WS	0.52	19.00	19.77		19.78	0.000166	0.34	1.53	1.99	0.12
Macone	26.75	Max WS	0.51	18.77	19.77		19.77	0.000055	0.22	2.31	2.32	0.07
Macone	26.5	Max WS	0.51	18.54	19.76		19.76	0.000022	0.16	3.24	2.66	0.05
Macone	26.2		Culvert									
Macone	26	Max WS	0.51	18.54	19.76		19.76	0.000022	0.16	3.23	2.66	0.05
Macone	25.99		Lat Struct									
Macone	25.98		Lat Struct									
Macone	25.8	Max WS	0.51	18.54	19.76		19.76	0.000022	0.16	3.23	2.66	0.05
Macone	25.6	Max WS	0.51	18.53	19.76		19.76	0.000039	0.15	3.49	3.01	0.04
Macone	24.9	Max WS	0.51	18.45	19.76		19.76	0.000023	0.12	4.25	4.53	0.04
Macone	24.89	Max WS	0.51	18.45	19.76		19.76	0.000004	0.08	6.07	5.28	0.03
Macone	24.88		Culvert									
Macone	24.85	Max WS	0.51	18.45	19.76		19.76	0.000004	0.08	6.07	5.28	0.03
Macone	24.8	Max WS	0.51	18.40	19.76		19.76	0.000007	0.10	5.07	4.44	0.03
Macone	24.7		Culvert									
Macone	24.6	Max WS	0.51	18.40	19.76		19.76	0.000007	0.10	5.06	4.44	0.03
Macone	24.55	Max WS	0.51	18.42	19.76		19.76	0.000016	0.10	4.90	4.39	0.03
Macone	24.54		Lat Struct									
Macone	24.53		Lat Struct									
Macone	23.6	Max WS	0.51	18.86	19.75		19.75	0.000168	0.25	2.02	3.15	0.10
Macone	23.5	Max WS	0.51	18.27	19.75		19.75	0.000005	0.09	5.43	4.30	0.03
Macone	23.4		Culvert									
Macone	23.3	Max WS	0.51	18.27	19.75		19.75	0.000005	0.09	5.42	4.30	0.03
Macone	23.29		Lat Struct									
Macone	23.28		Lat Struct									
Macone	23.25	Max WS	0.51	18.79	19.75		19.75	0.000127	0.22	2.33	4.05	0.09
Macone	23.2	Max WS	0.10	18.77	19.74		19.74	0.000004	0.04	2.41	4.11	0.02
Macone	23.1	Max WS	0.10	18.60	19.74		19.74	0.000002	0.03	3.57	5.02	0.01
Macone	22	Max WS	0.10	18.55	19.74		19.74	0.000001	0.02	4.32	6.02	0.01

HEC-RAS Plan: Tr30_Tp24h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	21	Max WS	0.10	18.45	19.74		19.74	0.000001	0.02	4.37	4.34	0.01
Macone	20.8	Max WS	0.10	18.45	19.74	18.50	19.74	0.000000	0.02	4.37	4.34	0.01
Macone	20.7		Bridge									
Macone	20.5	Max WS	0.10	18.45	19.74		19.74	0.000000	0.02	4.37	4.34	0.01
Macone	20.3	Max WS	0.10	18.46	19.74		19.74	0.000001	0.02	4.31	4.31	0.01
Macone	20.29		Lat Struct									
Macone	20.28		Lat Struct									
Macone	20	Max WS	0.10	18.50	19.74		19.74	0.000001	0.02	4.14	4.25	0.01
Macone	19.5	Max WS	0.10	18.51	19.74		19.74	0.000001	0.02	4.27	6.56	0.01
Macone	19.2	Max WS	0.10	18.55	19.74	18.66	19.74	0.000001	0.03	3.08	4.12	0.01
Macone	19.1		Bridge									
Macone	19.05	Max WS	0.10	18.55	19.74		19.74	0.000001	0.03	3.07	4.12	0.01
Macone	19	Max WS	0.10	18.55	19.74		19.74	0.000002	0.03	3.07	4.12	0.01
Macone	18.99		Lat Struct									
Macone	18.98		Lat Struct									
Macone	18	Max WS	0.03	18.45	19.74		19.74	0.000000	0.01	6.18	11.17	0.00
Macone	17	Max WS	0.02	18.45	19.74		19.74	0.000000	0.00	5.55	6.55	0.00
Macone	16.99		Lat Struct									
Macone	16.5	Max WS	0.02	18.47	19.74		19.74	0.000000	0.00	4.45	6.68	0.00
Macone	16.2	Max WS	0.02	18.19	19.74		19.74	0.000000	0.01	3.16	3.53	0.00
Macone	16.1	Max WS	0.02	18.19	19.74		19.74	0.000000	0.01	2.72	8.23	0.00
Macone	16.05		Culvert									
Macone	16	Max WS	0.02	18.19	19.74		19.74	0.000000	0.00	5.49	8.34	0.00
Macone	15	Max WS	0.02	18.40	19.74		19.74	0.000000	0.00	4.80	8.06	0.00
Macone	14.99		Lat Struct									
Macone	14.98		Lat Struct									
Macone	14.5	Max WS	0.02	18.17	19.74		19.74	0.000000	0.00	5.97	10.77	0.00
Macone	14	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	7.18	12.40	0.00
Macone	13.5	Max WS	0.01	17.98	19.74		19.74	0.000000	0.00	5.41	7.20	0.00
Macone	13	Max WS	0.01	18.02	19.74	18.05	19.74	0.000000	0.01	1.52	0.66	0.00
Macone	12.5	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	5.78	5.90	0.00
Macone	12.2	Max WS	0.01	17.89	19.74		19.74	0.000000	0.00	4.43	3.42	0.00
Macone	12.15		Culvert									
Macone	12.1	Max WS	0.01	17.89	19.74		19.74	0.000000	0.00	4.42	3.42	0.00
Macone	12	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	7.64	10.09	0.00

HEC-RAS Plan: Tr30_Tp24h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	11.99		Lat Struct									
Macone	11.98		Lat Struct									
Macone	11	Max WS	0.01	17.85	19.74		19.74	0.000000	0.00	12.49	16.58	0.00
Macone	10.5	Max WS	0.01	17.90	19.74		19.74	0.000000	0.00	9.41	13.48	0.00
Macone	10	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	6.32	8.38	0.00
Macone	9.9	Max WS	0.01	17.95	19.74	17.97	19.74	0.000000	0.00	6.32	8.38	0.00
Macone	9.8		Bridge									
Macone	9.7	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	6.32	8.38	0.00
Macone	9.6	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	6.32	8.38	0.00
Macone	9.59		Lat Struct									
Macone	9.58		Lat Struct									
Macone	9	Max WS	0.01	17.95	19.74		19.74	0.000000	0.00	6.06	9.46	0.00
Macone	8.8	Max WS	0.01	17.98	19.74		19.74	0.000000	0.00	6.09	7.60	0.00
Macone	8.6	Max WS	0.01	18.02	19.74		19.74	0.000000	0.00	6.48	6.04	0.00
Macone	8.5	Max WS	0.01	18.05	19.74		19.74	0.000000	0.00	6.99	6.05	0.00
Macone	8	Max WS	0.01	18.00	19.74		19.74	0.000000	0.00	2.57	4.03	0.00
Macone	7.9		Culvert									
Macone	7.8	Max WS	0.01	18.00	19.74		19.74	0.000000	0.00	2.57	4.03	0.00
Macone	7.79		Lat Struct									
Macone	7.78		Lat Struct									
Macone	7.4	Max WS	0.01	17.67	19.74		19.74	0.000000	0.00	4.52	4.63	0.00
Macone	7	Max WS	0.01	17.33	19.74		19.74	0.000000	0.00	6.47	4.41	0.00
Macone	6.5		Culvert									
Macone	6	Max WS	0.01	17.60	19.74		19.74	0.000000	0.00	11.75	11.86	0.00
Macone	5.99		Lat Struct									
Macone	5.98		Lat Struct									
Macone	5.5	Max WS	0.01	17.67	19.74		19.74	0.000000	0.00	10.40	9.08	0.00
Macone	5	Max WS	0.01	17.65	19.74		19.74	0.000000	0.00	9.09	7.98	0.00
Macone	4	Max WS	0.01	17.65	19.74		19.74	0.000000	0.00	13.55	8.89	0.00
Macone	3.55	Max WS	0.00	17.72	19.74		19.74	0.000000	0.00	11.36	7.96	0.00
Macone	3.1	Max WS	0.00	17.80	19.74		19.74	0.000000	0.00	9.17	7.80	0.00
Macone	3	Max WS	0.00	17.53	19.74		19.74	0.000000	0.00	7.39	3.83	0.00
Macone	2.9		Culvert									
Macone	2.8	Max WS	0.00	17.53	19.74		19.74	0.000000	0.00	7.39	3.83	0.00
Macone	2	Max WS	0.00	17.75	19.74		19.74	0.000000	0.00	11.40	10.37	0.00

HEC-RAS Plan: Tr30_Tp24h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	1.99		Lat Struct									
Macone	1.98		Lat Struct									
Macone	1.7	Max WS	0.00	17.48	19.74		19.74	0.000000	0.00	11.86	8.61	0.00
Macone	1.4	Max WS	0.00	17.21	19.74		19.74	0.000000	0.00	12.26	8.38	0.00
Macone	1.2	Max WS	0.00	16.94	19.74		19.74	0.000000	0.00	12.53	8.22	0.00
Macone	1	Max WS	0.00	16.80	19.74		19.74	0.000000	0.00	12.62	8.15	0.00
Macone	0.5	Max WS	0.00	17.09	19.74		19.74	0.000000	0.00	6.28	3.09	0.00
Macone	0.4		Culvert									
Macone	0.35	Max WS	0.00	17.09	19.74		19.74	0.000000	0.00	6.28	3.09	0.00
Macone	0.3	Max WS	0.00	17.09	19.74	17.10	19.74	0.000000	0.00	6.28	3.09	0.00
Macone	0.25		Inl Struct									
Macone	0.2	Max WS	0.00	17.09	23.10		23.10	0.000000	0.00	16.67	3.10	0.00
Macone	0.1	Max WS	0.00	17.09	23.10	17.10	23.10	0.000000	0.00	16.67	3.10	0.00

Scenario D

- **Rio di Fucecchio (tratto a valle della sez. RF_1150)**
- **Torrente Vincio**
- **Canale Usciana**
- **Rio Macone (solo Tr=30 anni)**

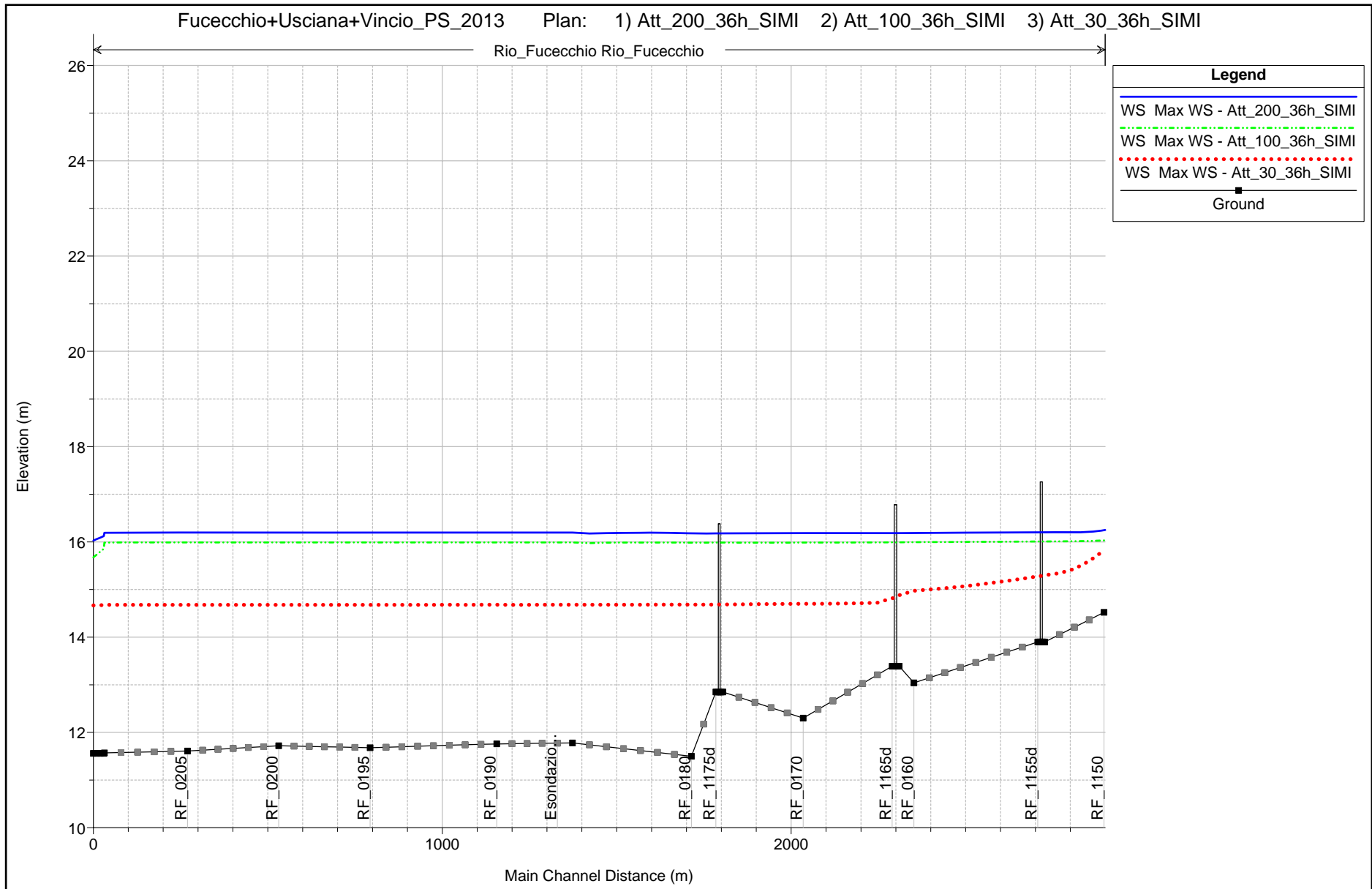
Scenario D

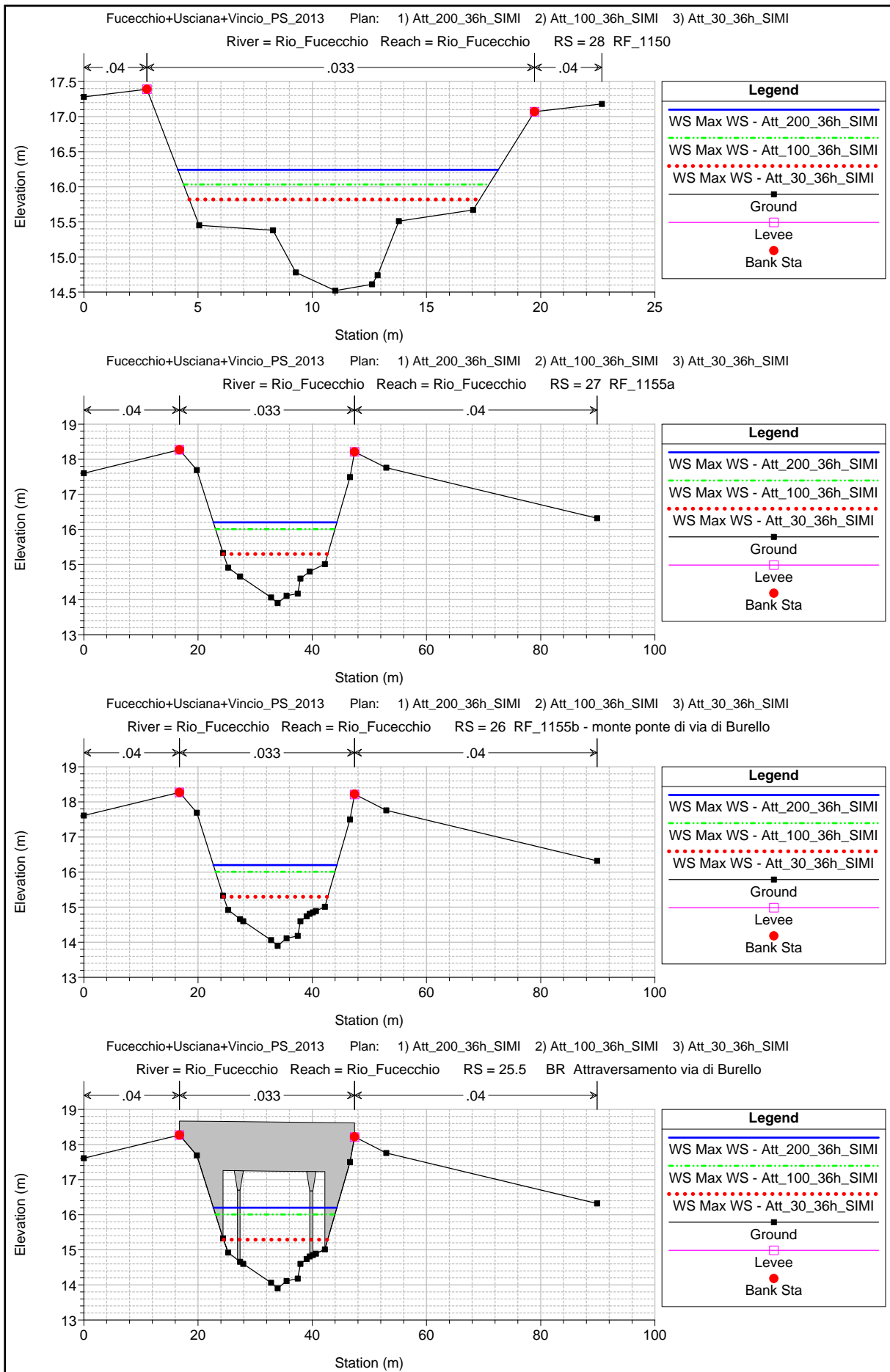
Tr 200, 100 e 30 anni

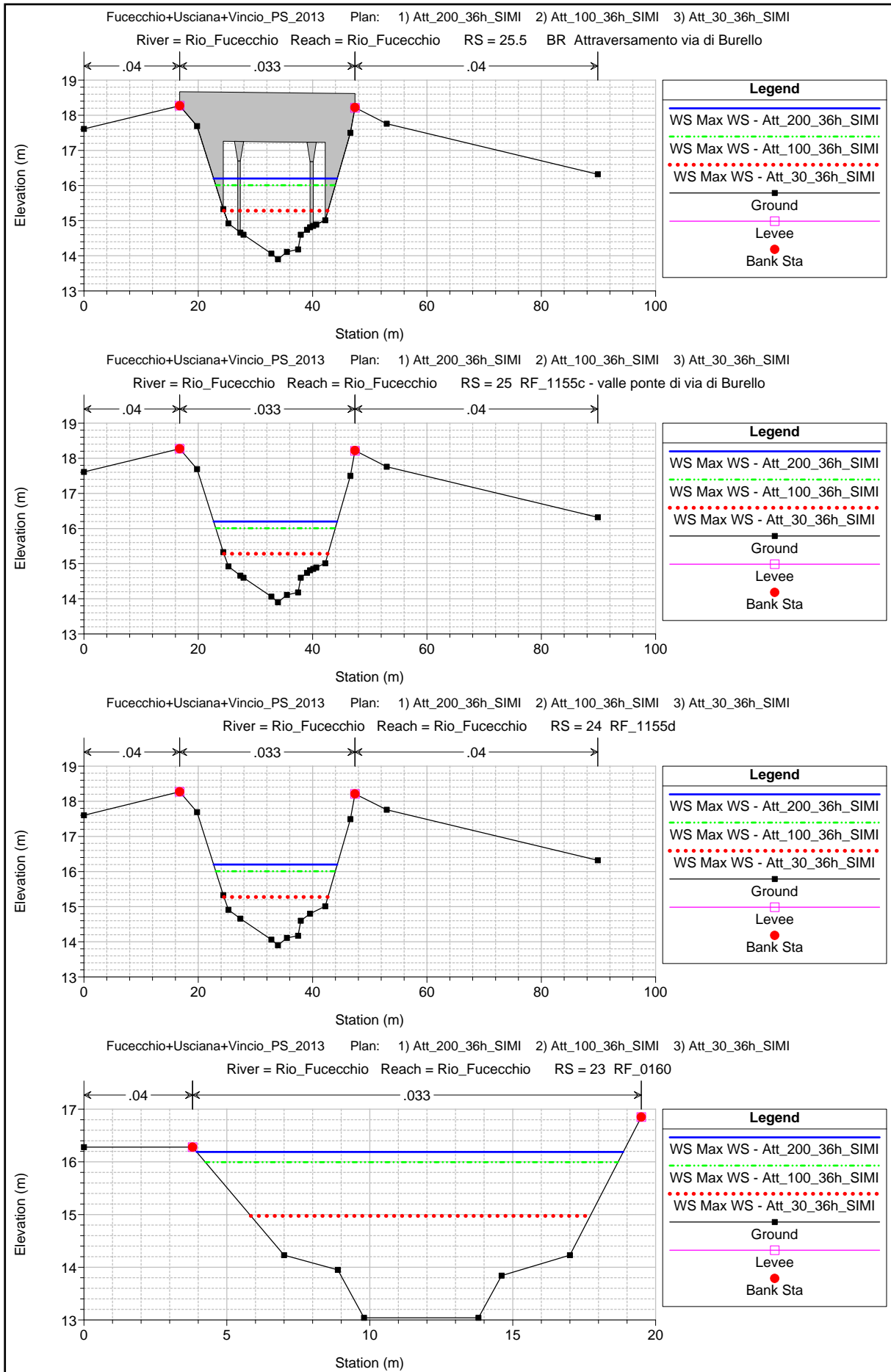
RIO DI FUCECCHIO

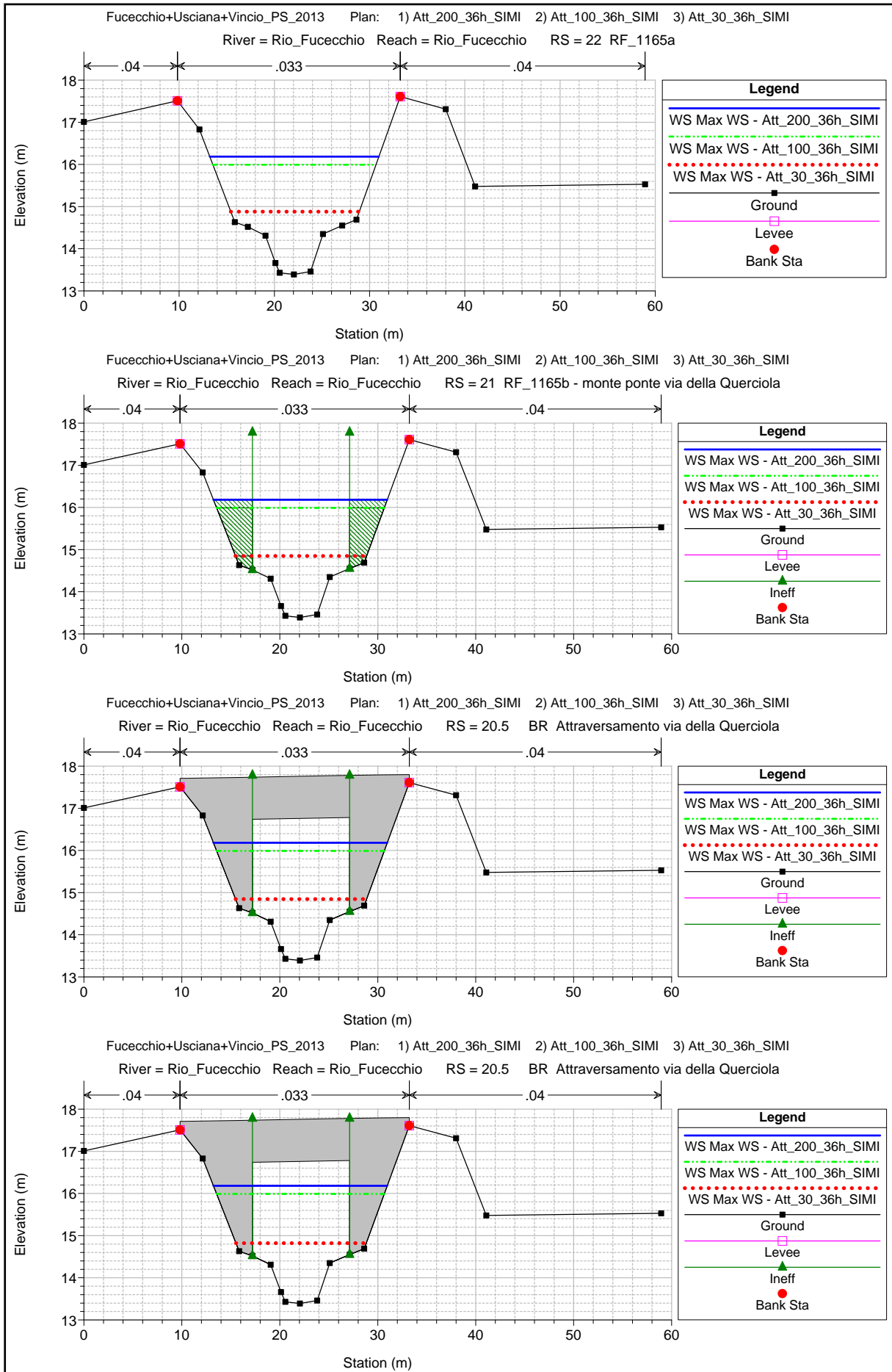
Tratto a valle della sez. RF_1150

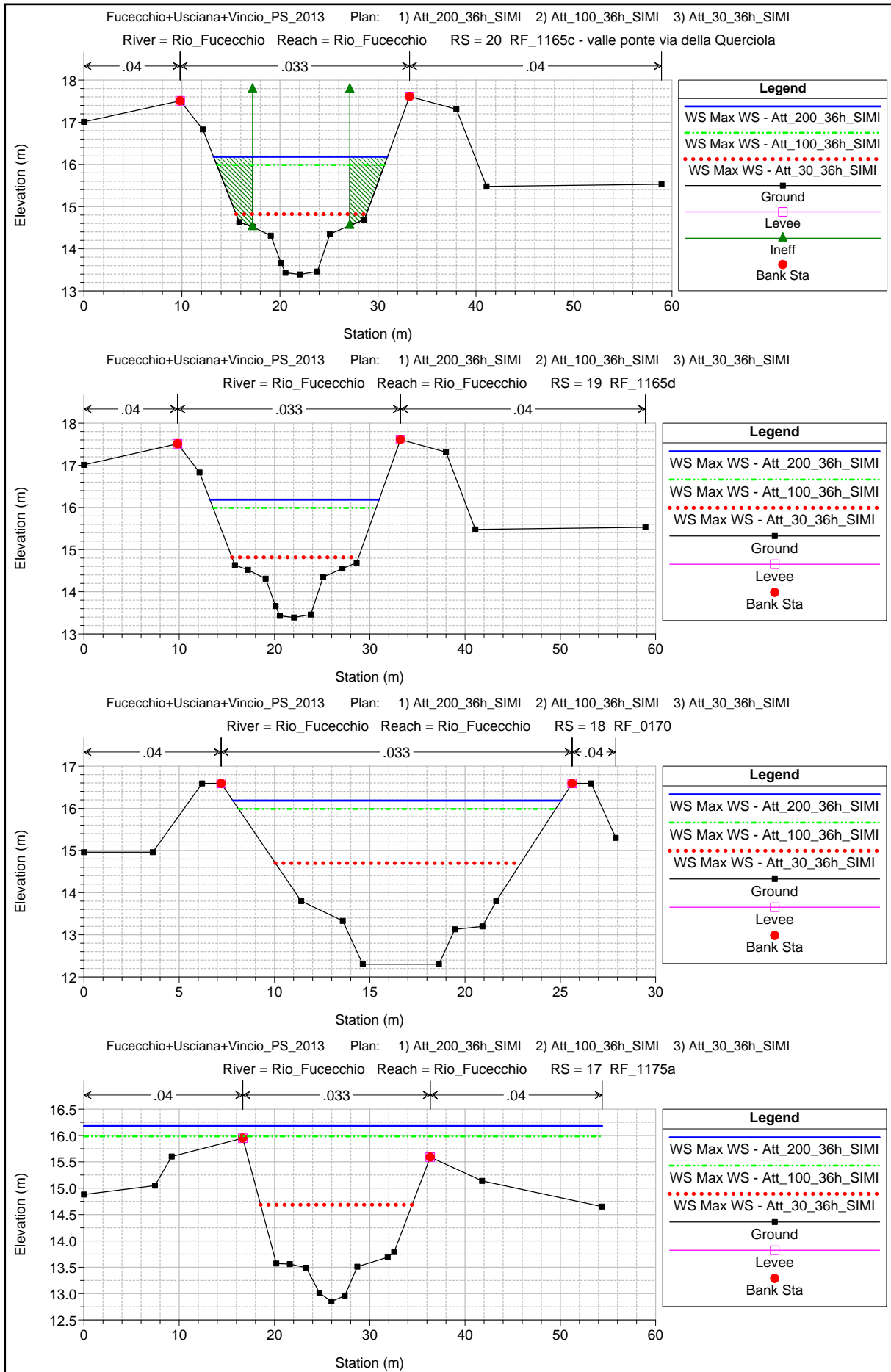
- **Profili**
- **Sezioni**
- **Tablelle di Output**

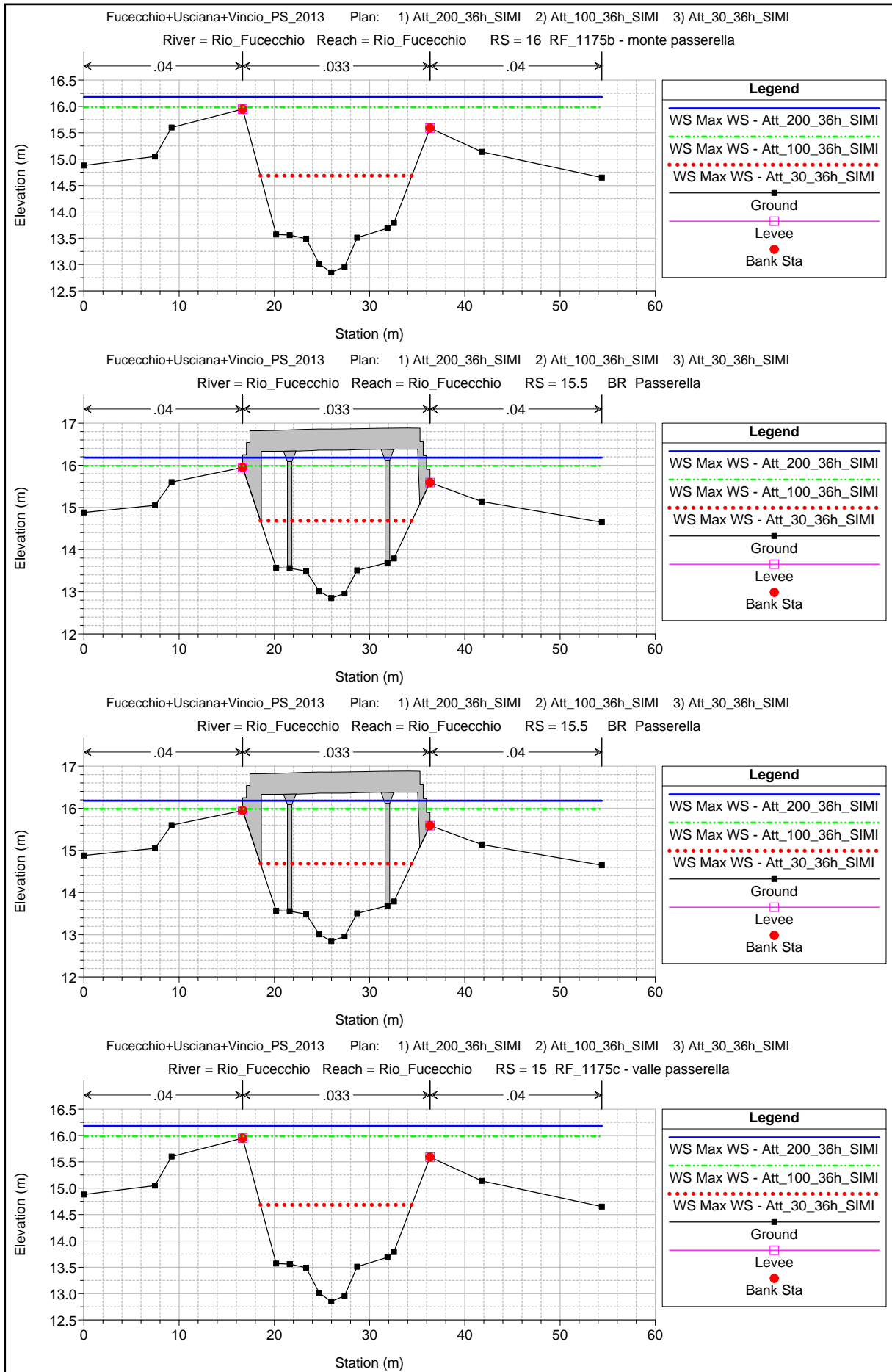


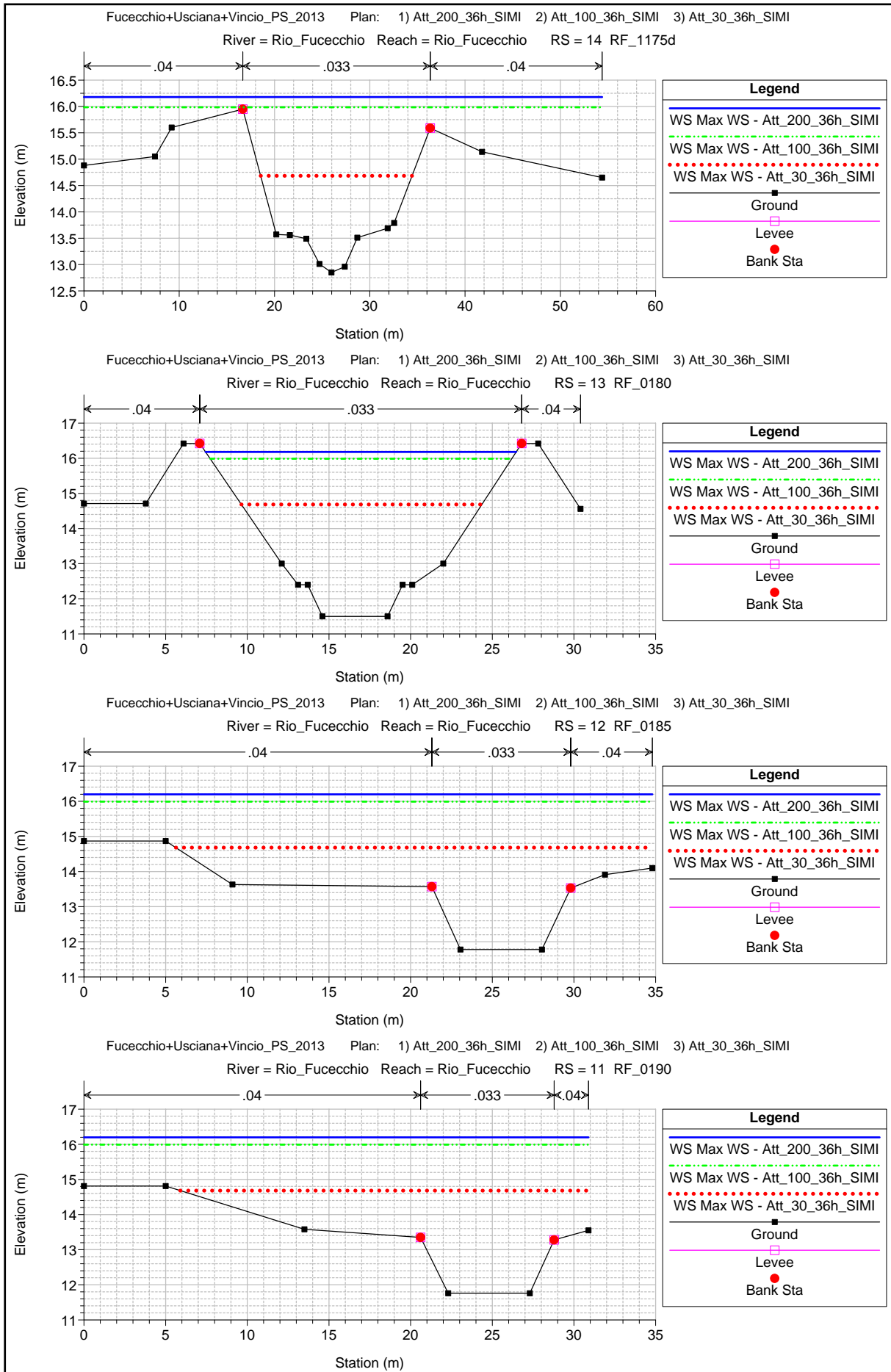


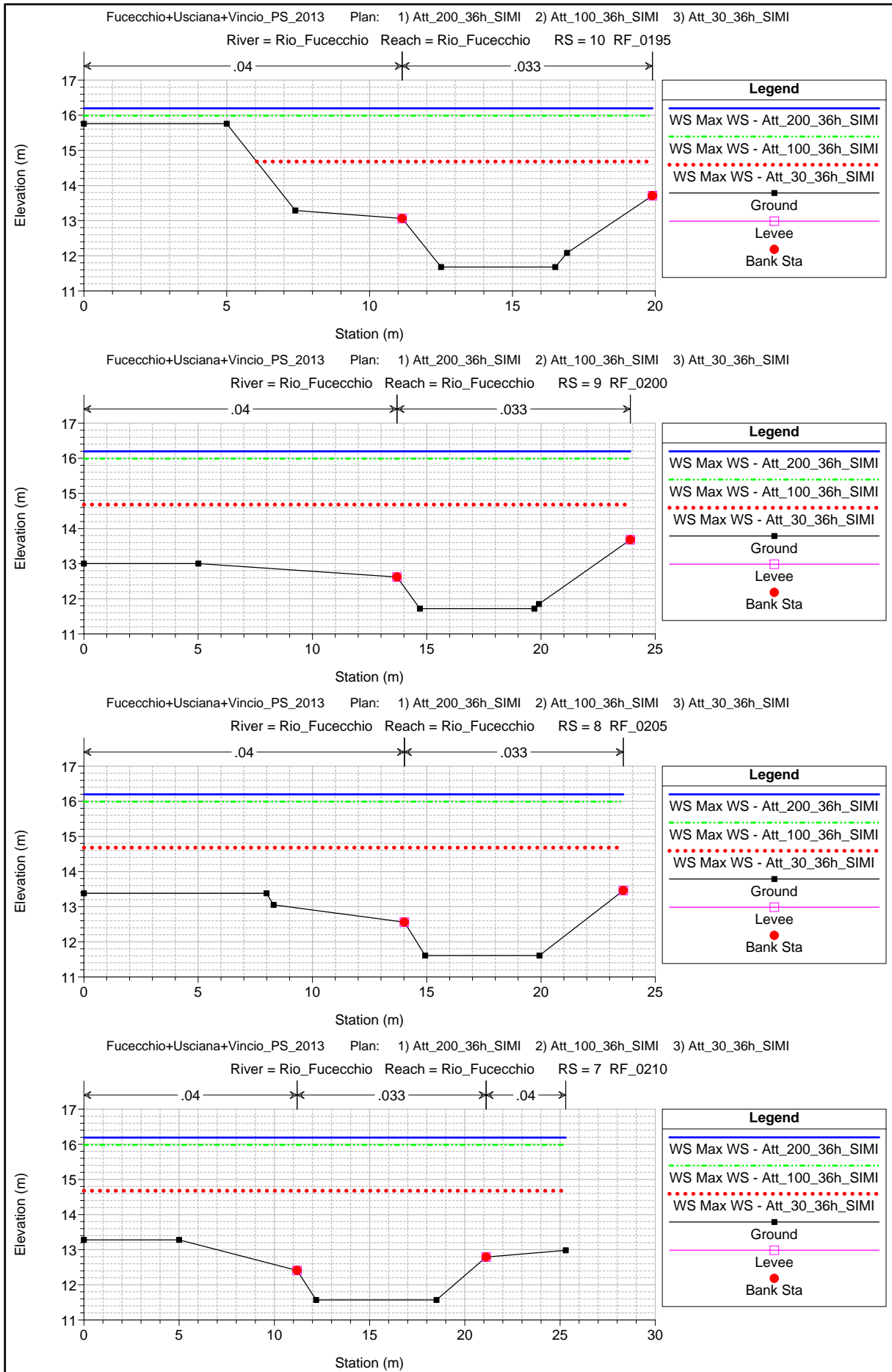


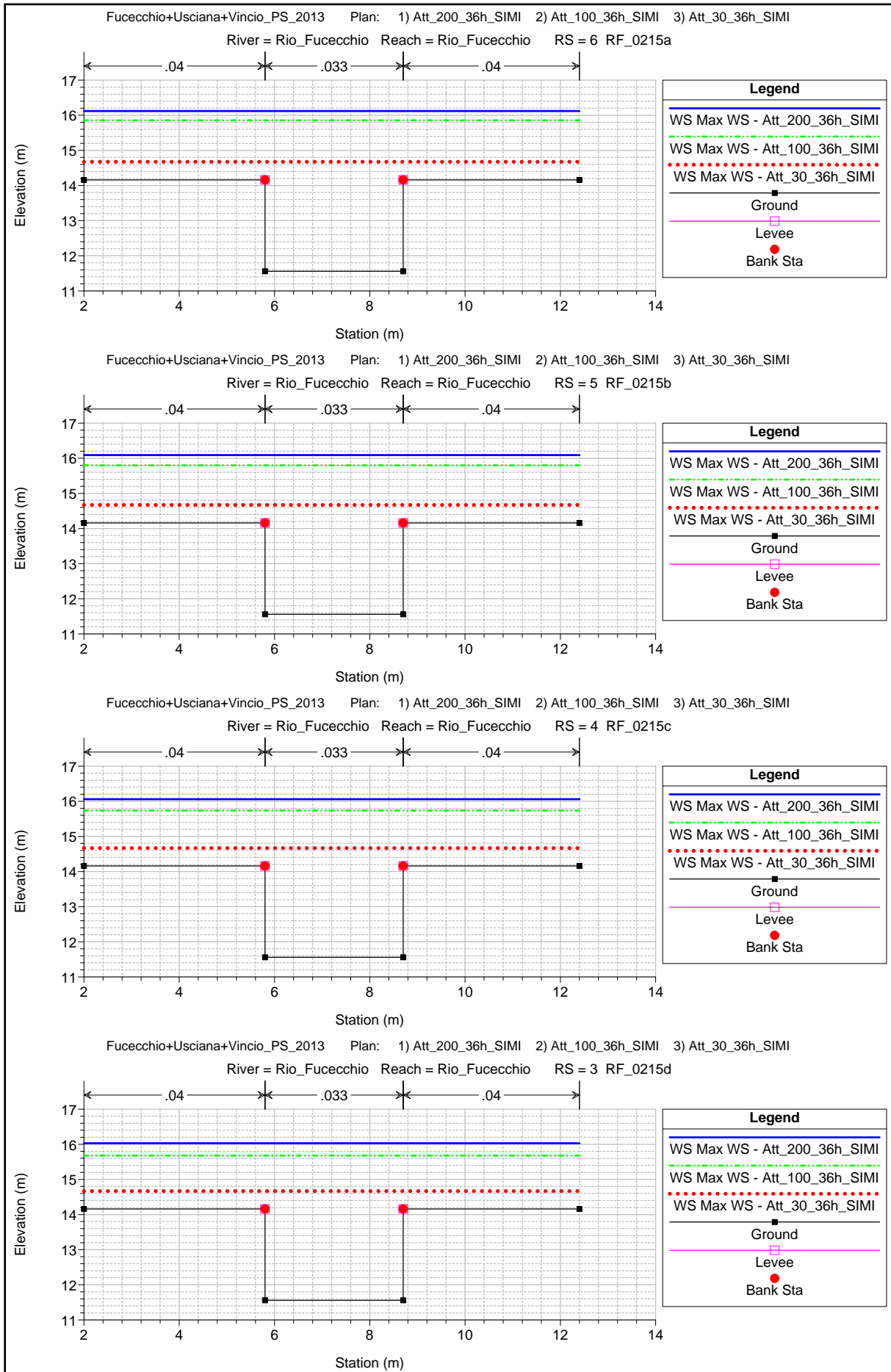












HEC-RAS Locations: User Defined Profile: Max WS

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_Fucecchio	Rio_Fucecchio	28	Att_200_36h_SIMI	18.89	14.52	16.24		16.34	0.002443	1.40	13.50	14.02	0.46
Rio_Fucecchio	Rio_Fucecchio	28	Att_100_36h_SIMI	7.45	14.52	16.03		16.06	0.000785	0.70	10.63	13.37	0.25
Rio_Fucecchio	Rio_Fucecchio	28	Att_30_36h_SIMI	12.02	14.52	15.82		15.94	0.005213	1.53	7.84	12.71	0.62
Rio_Fucecchio	Rio_Fucecchio	27	Att_200_36h_SIMI	8.08	13.90	16.20		16.20	0.000041	0.25	32.67	21.64	0.06
Rio_Fucecchio	Rio_Fucecchio	27	Att_100_36h_SIMI	7.32	13.90	16.01		16.01	0.000050	0.26	28.58	20.93	0.07
Rio_Fucecchio	Rio_Fucecchio	27	Att_30_36h_SIMI	12.02	13.90	15.30		15.33	0.001008	0.82	14.68	18.28	0.29
Rio_Fucecchio	Rio_Fucecchio	26	Att_200_36h_SIMI	8.08	13.90	16.20	14.61	16.20	0.000041	0.25	32.61	21.63	0.06
Rio_Fucecchio	Rio_Fucecchio	26	Att_100_36h_SIMI	7.32	13.90	16.01	14.58	16.01	0.000050	0.26	28.53	20.92	0.07
Rio_Fucecchio	Rio_Fucecchio	26	Att_30_36h_SIMI	12.02	13.90	15.29	14.75	15.33	0.001041	0.83	14.53	18.25	0.30
Rio_Fucecchio	Rio_Fucecchio	25.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	25	Att_200_36h_SIMI	8.06	13.90	16.20		16.20	0.000041	0.25	32.60	21.63	0.06
Rio_Fucecchio	Rio_Fucecchio	25	Att_100_36h_SIMI	7.32	13.90	16.01		16.01	0.000050	0.26	28.51	20.92	0.07
Rio_Fucecchio	Rio_Fucecchio	25	Att_30_36h_SIMI	12.02	13.90	15.28		15.32	0.001097	0.84	14.29	18.20	0.30
Rio_Fucecchio	Rio_Fucecchio	24.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	24.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	24	Att_200_36h_SIMI	8.07	13.90	16.20		16.20	0.000040	0.25	32.65	21.64	0.06
Rio_Fucecchio	Rio_Fucecchio	24	Att_100_36h_SIMI	7.32	13.90	16.01		16.01	0.000050	0.26	28.56	20.92	0.07
Rio_Fucecchio	Rio_Fucecchio	24	Att_30_36h_SIMI	12.02	13.90	15.28		15.31	0.001111	0.84	14.23	18.18	0.30
Rio_Fucecchio	Rio_Fucecchio	23	Att_200_36h_SIMI	8.03	13.04	16.19		16.19	0.000032	0.26	31.20	14.92	0.06
Rio_Fucecchio	Rio_Fucecchio	23	Att_100_36h_SIMI	7.29	13.04	15.99		16.00	0.000035	0.26	28.36	14.44	0.06
Rio_Fucecchio	Rio_Fucecchio	23	Att_30_36h_SIMI	11.77	13.04	14.97		15.01	0.000570	0.79	14.95	11.87	0.22
Rio_Fucecchio	Rio_Fucecchio	22	Att_200_36h_SIMI	8.03	13.39	16.19		16.19	0.000040	0.26	30.56	17.76	0.06
Rio_Fucecchio	Rio_Fucecchio	22	Att_100_36h_SIMI	7.29	13.39	15.99		16.00	0.000047	0.27	27.17	17.12	0.07
Rio_Fucecchio	Rio_Fucecchio	22	Att_30_36h_SIMI	11.75	13.39	14.88		14.95	0.002270	1.16	10.16	13.49	0.43
Rio_Fucecchio	Rio_Fucecchio	21	Att_200_36h_SIMI	8.03	13.39	16.18	14.17	16.19	0.000052	0.36	22.20	17.75	0.08
Rio_Fucecchio	Rio_Fucecchio	21	Att_100_36h_SIMI	7.28	13.39	15.99	14.13	16.00	0.000058	0.36	20.27	17.11	0.08
Rio_Fucecchio	Rio_Fucecchio	21	Att_30_36h_SIMI	11.74	13.39	14.85	14.40	14.94	0.002289	1.31	8.97	13.39	0.44
Rio_Fucecchio	Rio_Fucecchio	20.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	20	Att_200_36h_SIMI	8.03	13.39	16.18		16.19	0.000052	0.36	22.19	17.74	0.08
Rio_Fucecchio	Rio_Fucecchio	20	Att_100_36h_SIMI	7.28	13.39	15.99		15.99	0.000058	0.36	20.27	17.11	0.08
Rio_Fucecchio	Rio_Fucecchio	20	Att_30_36h_SIMI	11.72	13.39	14.82		14.91	0.002551	1.35	8.68	13.29	0.46

HEC-RAS Locations: User Defined 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_Fucecchio	Rio_Fucecchio	19.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	19.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	19	Att_200_36h_SIMI	8.03	13.39	16.18		16.19	0.000040	0.26	30.54	17.75	0.06
Rio_Fucecchio	Rio_Fucecchio	19	Att_100_36h_SIMI	7.29	13.39	15.99		15.99	0.000047	0.27	27.16	17.12	0.07
Rio_Fucecchio	Rio_Fucecchio	19	Att_30_36h_SIMI	11.72	13.39	14.82		14.90	0.002922	1.25	9.34	13.29	0.48
Rio_Fucecchio	Rio_Fucecchio	18	Att_200_36h_SIMI	7.26	12.30	16.18		16.18	0.000012	0.17	42.29	17.22	0.03
Rio_Fucecchio	Rio_Fucecchio	18	Att_100_36h_SIMI	7.28	12.30	15.99		15.99	0.000015	0.19	38.96	16.65	0.04
Rio_Fucecchio	Rio_Fucecchio	18	Att_30_36h_SIMI	4.92	12.30	14.70		14.70	0.000043	0.25	19.98	12.87	0.06
Rio_Fucecchio	Rio_Fucecchio	17	Att_200_36h_SIMI	-14.68	12.85	16.18		16.18	0.000022	-0.24	79.52	54.39	0.05
Rio_Fucecchio	Rio_Fucecchio	17	Att_100_36h_SIMI	-2.58	12.85	15.99		15.99	0.000001	-0.05	69.03	54.39	0.01
Rio_Fucecchio	Rio_Fucecchio	17	Att_30_36h_SIMI	4.83	12.85	14.69		14.69	0.000070	0.27	18.05	15.90	0.08
Rio_Fucecchio	Rio_Fucecchio	16	Att_200_36h_SIMI	-14.68	12.85	16.18		16.18	0.000022	-0.24	79.54	54.39	0.05
Rio_Fucecchio	Rio_Fucecchio	16	Att_100_36h_SIMI	-2.58	12.85	15.99		15.99	0.000001	-0.05	69.03	54.39	0.01
Rio_Fucecchio	Rio_Fucecchio	16	Att_30_36h_SIMI	4.83	12.85	14.69	13.58	14.69	0.000070	0.27	18.05	15.90	0.08
Rio_Fucecchio	Rio_Fucecchio	15.5		Bridge									
Rio_Fucecchio	Rio_Fucecchio	15	Att_200_36h_SIMI	-14.68	12.85	16.18		16.18	0.000022	-0.24	79.56	54.39	0.05
Rio_Fucecchio	Rio_Fucecchio	15	Att_100_36h_SIMI	-2.58	12.85	15.99		15.99	0.000001	-0.05	69.03	54.39	0.01
Rio_Fucecchio	Rio_Fucecchio	15	Att_30_36h_SIMI	4.82	12.85	14.68		14.69	0.000070	0.27	18.03	15.89	0.08
Rio_Fucecchio	Rio_Fucecchio	14	Att_200_36h_SIMI	-14.68	12.85	16.18		16.18	0.000022	-0.24	79.56	54.39	0.05
Rio_Fucecchio	Rio_Fucecchio	14	Att_100_36h_SIMI	-2.58	12.85	15.99		15.99	0.000001	-0.05	69.03	54.39	0.01
Rio_Fucecchio	Rio_Fucecchio	14	Att_30_36h_SIMI	4.82	12.85	14.68		14.69	0.000070	0.27	18.02	15.89	0.08
Rio_Fucecchio	Rio_Fucecchio	13.9		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	13.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	13	Att_200_36h_SIMI	-16.08	11.50	16.18		16.19	0.000027	-0.29	55.46	19.02	0.05
Rio_Fucecchio	Rio_Fucecchio	13	Att_100_36h_SIMI	-5.66	11.50	15.98		15.99	0.000004	-0.11	51.79	18.46	0.02
Rio_Fucecchio	Rio_Fucecchio	13	Att_30_36h_SIMI	4.81	11.50	14.68		14.69	0.000013	0.16	30.21	14.73	0.04
Rio_Fucecchio	Rio_Fucecchio	12	Att_200_36h_SIMI	-1.76	11.78	16.20		16.20	0.000000	-0.03	92.25	34.80	0.00
Rio_Fucecchio	Rio_Fucecchio	12	Att_100_36h_SIMI	-3.51	11.78	15.99		15.99	0.000001	-0.06	85.06	34.80	0.01
Rio_Fucecchio	Rio_Fucecchio	12	Att_30_36h_SIMI	4.78	11.78	14.68		14.68	0.000010	0.16	40.53	29.17	0.03

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

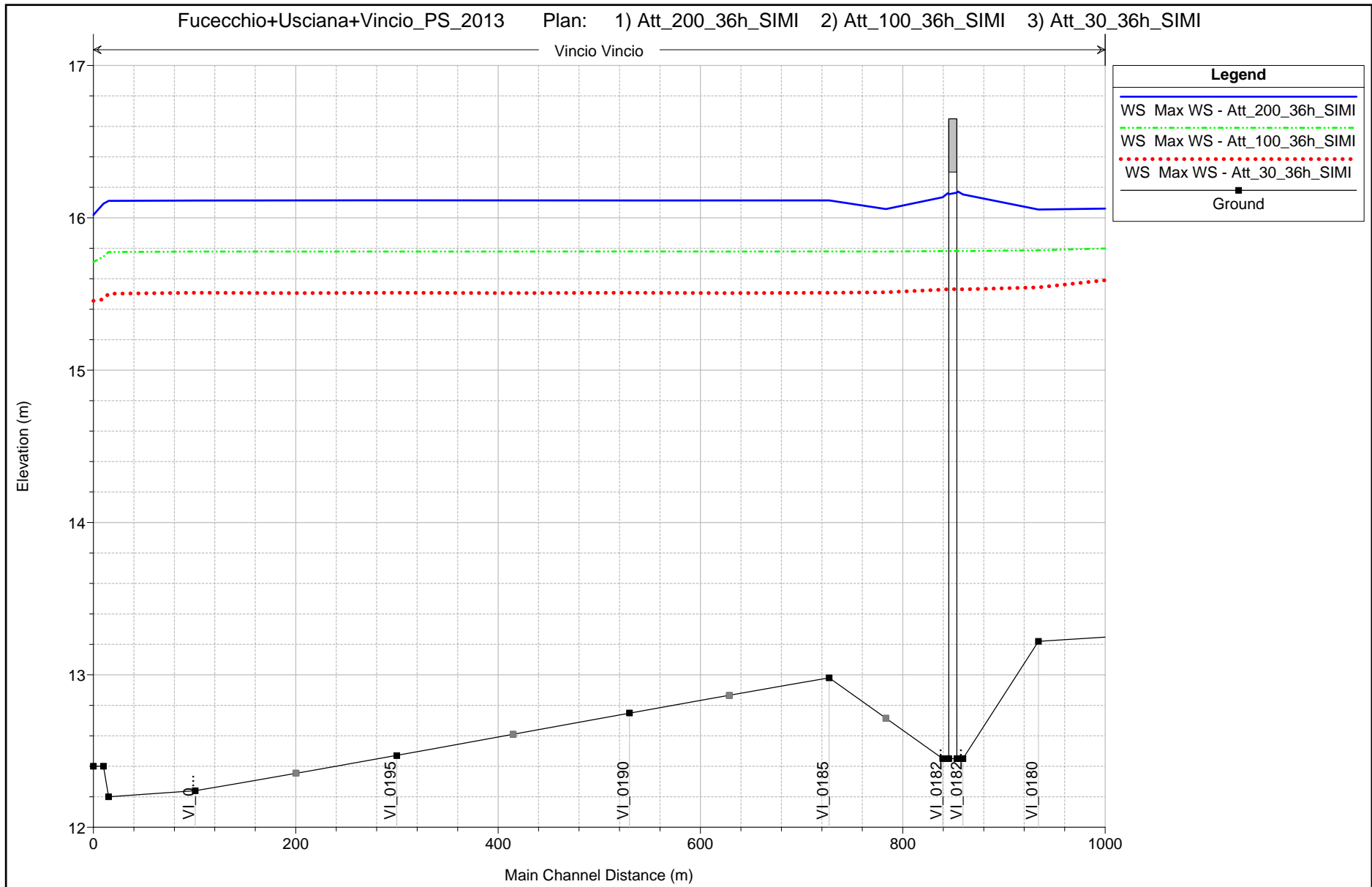
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio_Fucecchio	Rio_Fucecchio	11.8		Lat Struct									
Rio_Fucecchio	Rio_Fucecchio	11	Att_200_36h_SIMI	-1.91	11.76	16.20		16.20	0.000000	-0.03	82.99	30.89	0.00
Rio_Fucecchio	Rio_Fucecchio	11	Att_100_36h_SIMI	-1.96	11.76	15.99		15.99	0.000000	-0.04	76.62	30.89	0.01
Rio_Fucecchio	Rio_Fucecchio	11	Att_30_36h_SIMI	2.51	11.76	14.68		14.68	0.000003	0.09	36.89	24.99	0.02
Rio_Fucecchio	Rio_Fucecchio	10	Att_200_36h_SIMI	-2.00	11.68	16.20		16.20	0.000001	-0.05	52.39	19.90	0.01
Rio_Fucecchio	Rio_Fucecchio	10	Att_100_36h_SIMI	-2.24	11.68	15.99		15.99	0.000001	-0.06	48.28	19.90	0.01
Rio_Fucecchio	Rio_Fucecchio	10	Att_30_36h_SIMI	1.05	11.68	14.68		14.68	0.000001	0.04	28.19	13.85	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_200_36h_SIMI	-2.56	11.72	16.20		16.20	0.000000	-0.03	86.49	23.91	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_100_36h_SIMI	-3.85	11.72	15.99		15.99	0.000001	-0.05	81.56	23.91	0.01
Rio_Fucecchio	Rio_Fucecchio	9	Att_30_36h_SIMI	0.31	11.72	14.68		14.68	0.000000	0.01	50.24	23.91	0.00
Rio_Fucecchio	Rio_Fucecchio	8	Att_200_36h_SIMI	-5.95	11.61	16.20		16.20	0.000002	-0.08	82.92	23.60	0.01
Rio_Fucecchio	Rio_Fucecchio	8	Att_100_36h_SIMI	-9.17	11.61	15.99		15.99	0.000005	-0.14	78.05	23.60	0.02
Rio_Fucecchio	Rio_Fucecchio	8	Att_30_36h_SIMI	0.15	11.61	14.68		14.68	0.000000	0.00	47.14	23.60	0.00
Rio_Fucecchio	Rio_Fucecchio	7	Att_200_36h_SIMI	15.87	11.57	16.19		16.19	0.000008	0.22	92.97	25.30	0.03
Rio_Fucecchio	Rio_Fucecchio	7	Att_100_36h_SIMI	21.02	11.57	15.98		15.99	0.000017	0.31	87.70	25.30	0.05
Rio_Fucecchio	Rio_Fucecchio	7	Att_30_36h_SIMI	3.33	11.57	14.68		14.68	0.000002	0.08	54.71	25.30	0.01
Rio_Fucecchio	Rio_Fucecchio	6	Att_200_36h_SIMI	22.27	11.56	16.12		16.16	0.000688	0.92	27.93	10.40	0.14
Rio_Fucecchio	Rio_Fucecchio	6	Att_100_36h_SIMI	28.07	11.56	15.86		15.93	0.001475	1.29	25.19	10.40	0.20
Rio_Fucecchio	Rio_Fucecchio	6	Att_30_36h_SIMI	4.12	11.56	14.67		14.68	0.000198	0.38	12.88	10.40	0.07
Rio_Fucecchio	Rio_Fucecchio	5	Att_200_36h_SIMI	22.26	11.56	16.09		16.13	0.000711	0.93	27.61	10.40	0.14
Rio_Fucecchio	Rio_Fucecchio	5	Att_100_36h_SIMI	28.07	11.56	15.80		15.87	0.001584	1.32	24.57	10.40	0.21
Rio_Fucecchio	Rio_Fucecchio	5	Att_30_36h_SIMI	4.12	11.56	14.67		14.68	0.000198	0.38	12.86	10.40	0.07
Rio_Fucecchio	Rio_Fucecchio	4	Att_200_36h_SIMI	22.26	11.56	16.06		16.10	0.000735	0.94	27.29	10.40	0.14
Rio_Fucecchio	Rio_Fucecchio	4	Att_100_36h_SIMI	28.03	11.56	15.74		15.81	0.001705	1.36	23.93	10.40	0.21
Rio_Fucecchio	Rio_Fucecchio	4	Att_30_36h_SIMI	4.12	11.56	14.67		14.68	0.000199	0.38	12.83	10.40	0.07
Rio_Fucecchio	Rio_Fucecchio	3	Att_200_36h_SIMI	22.25	11.56	16.03		16.07	0.000761	0.95	26.96	10.40	0.14
Rio_Fucecchio	Rio_Fucecchio	3	Att_100_36h_SIMI	26.54	11.56	15.68		15.75	0.001647	1.32	23.32	10.40	0.21
Rio_Fucecchio	Rio_Fucecchio	3	Att_30_36h_SIMI	4.12	11.56	14.67		14.67	0.000200	0.38	12.80	10.40	0.07

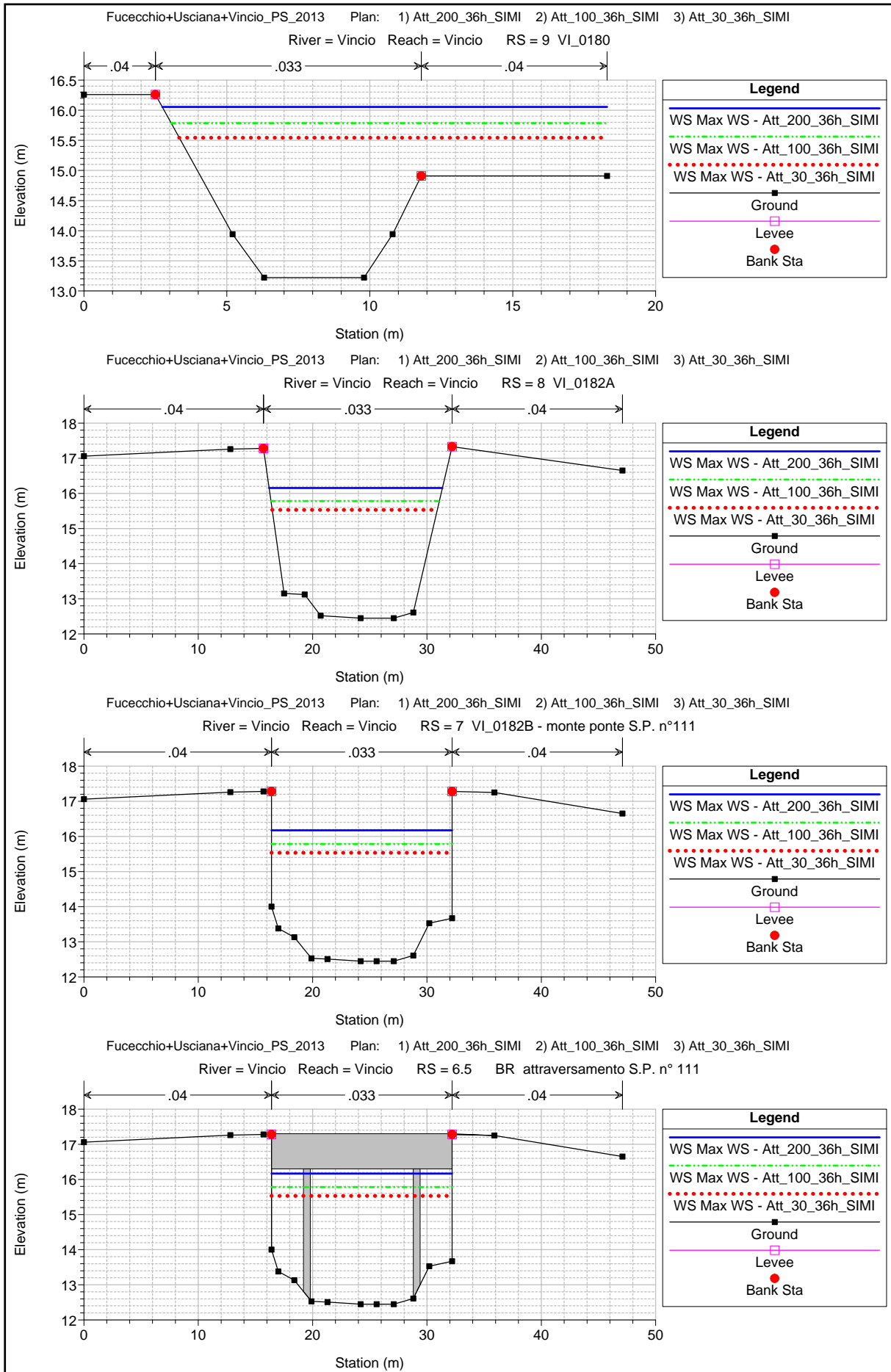
Scenario D

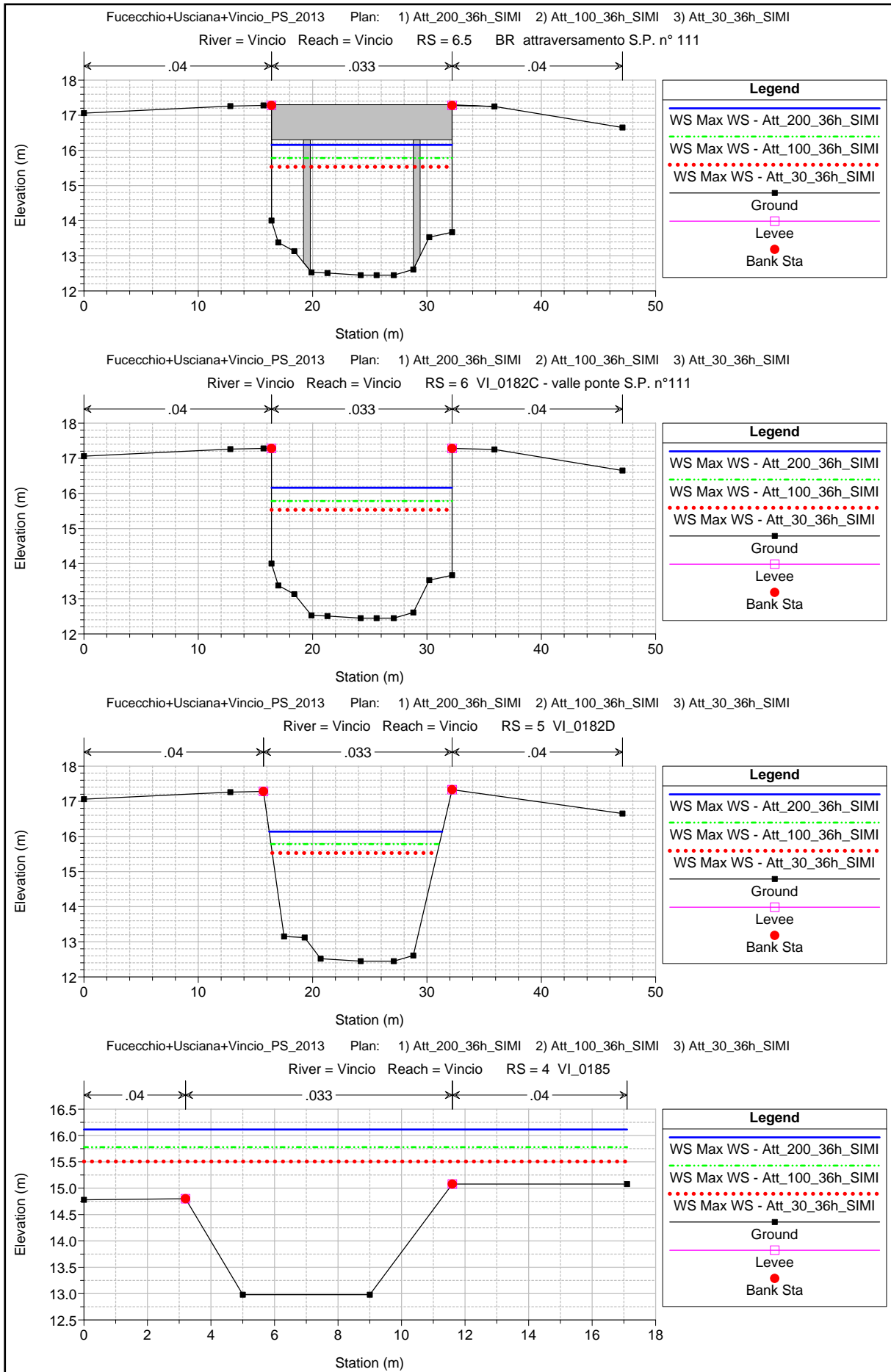
Tr 200, 100 e 30 anni

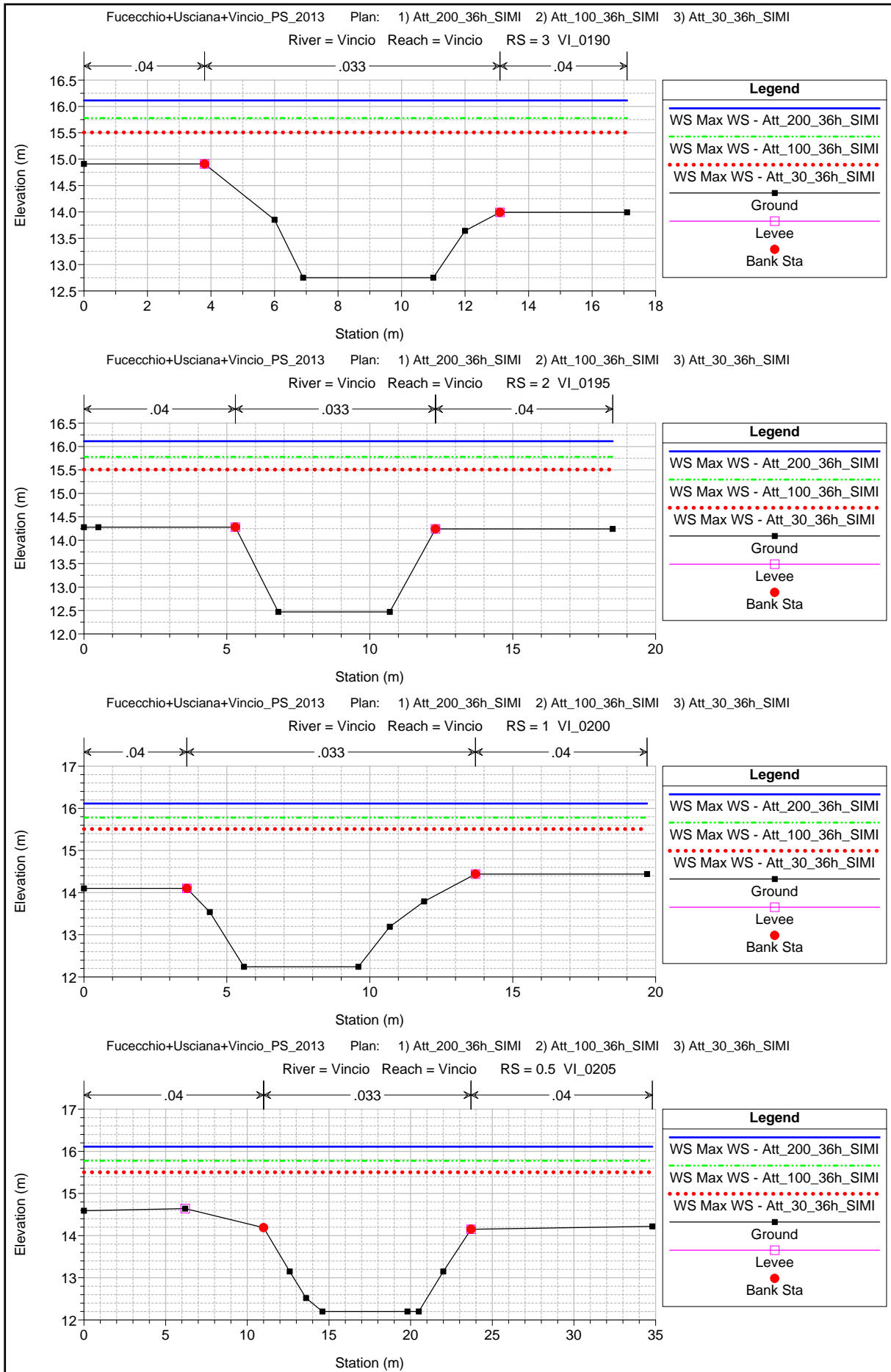
TORRENTE VINCIO

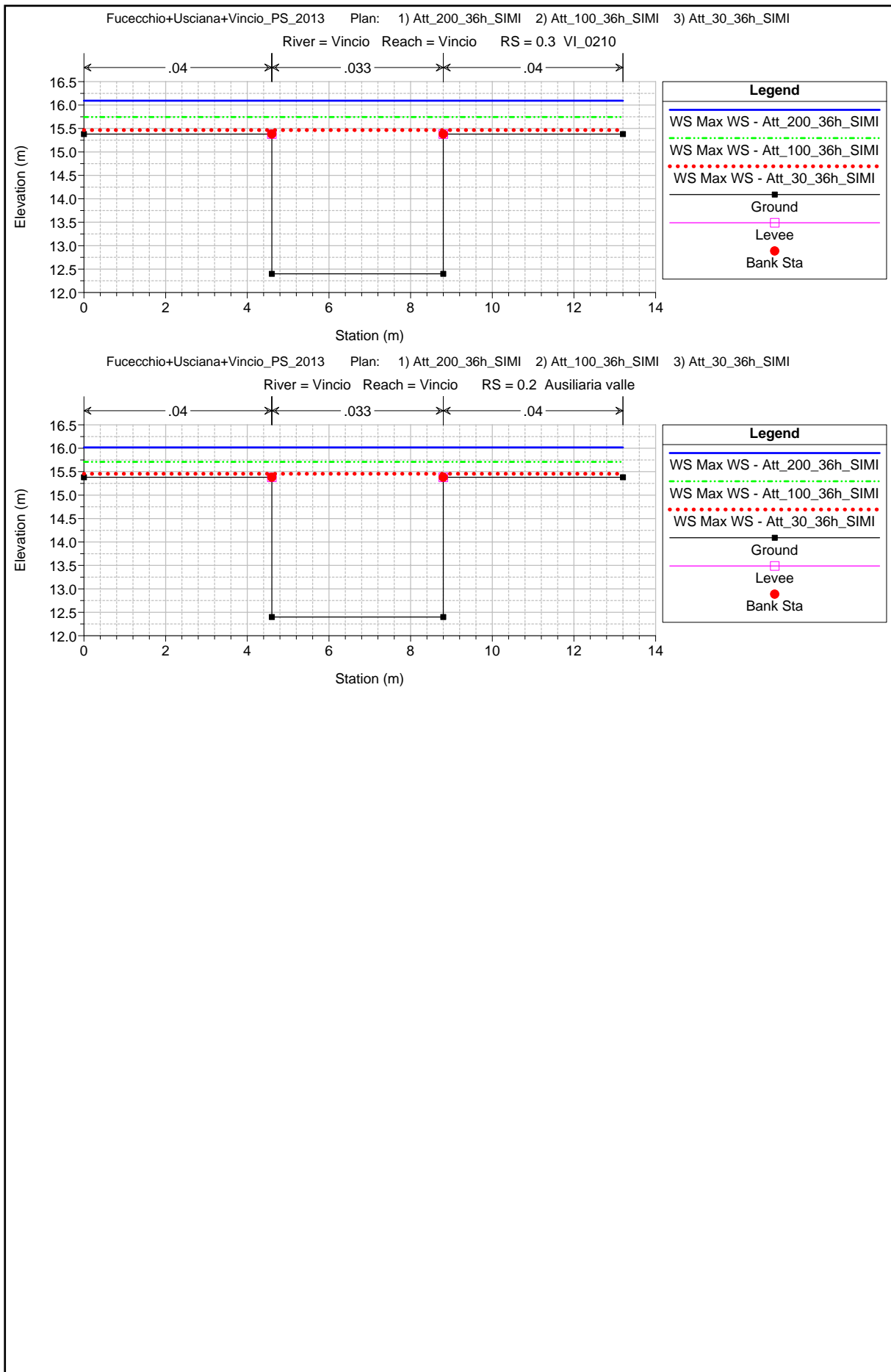
- **Profili**
- **Sezioni**
- **Tabelle di Output**











HEC-RAS Locations: User Defined 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
Vincio	Vincio	9	Att_200_36h_SIMI	6.38	13.22	16.05		16.06	0.000037	0.27	26.79	15.56	0.06
Vincio	Vincio	9	Att_100_36h_SIMI	6.21	13.22	15.79		15.79	0.000055	0.31	22.66	15.25	0.07
Vincio	Vincio	9	Att_30_36h_SIMI	11.42	13.22	15.54		15.57	0.000297	0.69	18.99	14.97	0.17
Vincio	Vincio	8	Att_200_36h_SIMI	63.78	12.45	16.15		16.25	0.000632	1.38	46.32	15.16	0.25
Vincio	Vincio	8	Att_100_36h_SIMI	7.49	12.45	15.78		15.78	0.000013	0.18	40.77	14.73	0.04
Vincio	Vincio	8	Att_30_36h_SIMI	16.19	12.45	15.53		15.54	0.000077	0.44	37.11	14.44	0.09
Vincio	Vincio	7	Att_200_36h_SIMI	63.82	12.45	16.17	14.01	16.25	0.000468	1.21	52.89	15.80	0.21
Vincio	Vincio	7	Att_100_36h_SIMI	7.62	12.45	15.78	12.90	15.78	0.000010	0.16	46.72	15.80	0.03
Vincio	Vincio	7	Att_30_36h_SIMI	16.19	12.45	15.53	13.16	15.54	0.000056	0.38	42.78	15.80	0.07
Vincio	Vincio	6.5		Bridge									
Vincio	Vincio	6	Att_200_36h_SIMI	63.82	12.45	16.16		16.24	0.000472	1.21	52.70	15.80	0.21
Vincio	Vincio	6	Att_100_36h_SIMI	7.49	12.45	15.78		15.78	0.000009	0.16	46.72	15.80	0.03
Vincio	Vincio	6	Att_30_36h_SIMI	16.19	12.45	15.53		15.54	0.000056	0.38	42.76	15.80	0.07
Vincio	Vincio	5	Att_200_36h_SIMI	63.78	12.45	16.13		16.23	0.000643	1.39	46.05	15.14	0.25
Vincio	Vincio	5	Att_100_36h_SIMI	7.43	12.45	15.78		15.78	0.000012	0.18	40.77	14.73	0.03
Vincio	Vincio	5	Att_30_36h_SIMI	16.19	12.45	15.53		15.54	0.000077	0.44	37.08	14.44	0.09
Vincio	Vincio	4.99		Lat Struct									
Vincio	Vincio	4.98		Lat Struct									
Vincio	Vincio	4	Att_200_36h_SIMI	18.96	12.98	16.11		16.14	0.000194	0.72	31.89	17.10	0.14
Vincio	Vincio	4	Att_100_36h_SIMI	3.40	12.98	15.78		15.78	0.000011	0.15	26.15	17.10	0.03
Vincio	Vincio	4	Att_30_36h_SIMI	12.04	12.98	15.51		15.53	0.000226	0.65	21.51	17.10	0.15
Vincio	Vincio	3	Att_200_36h_SIMI	11.20	12.75	16.11		16.12	0.000040	0.35	38.66	17.10	0.07
Vincio	Vincio	3	Att_100_36h_SIMI	1.48	12.75	15.78		15.78	0.000001	0.05	32.93	17.10	0.01
Vincio	Vincio	3	Att_30_36h_SIMI	6.35	12.75	15.51		15.51	0.000032	0.26	28.29	17.10	0.06
Vincio	Vincio	2	Att_200_36h_SIMI	4.27	12.47	16.11		16.11	0.000005	0.12	44.08	18.50	0.02
Vincio	Vincio	2	Att_100_36h_SIMI	-3.27	12.47	15.78		15.78	0.000004	-0.11	37.87	18.50	0.02
Vincio	Vincio	2	Att_30_36h_SIMI	-2.50	12.47	15.51		15.51	0.000004	-0.10	32.86	18.50	0.02

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

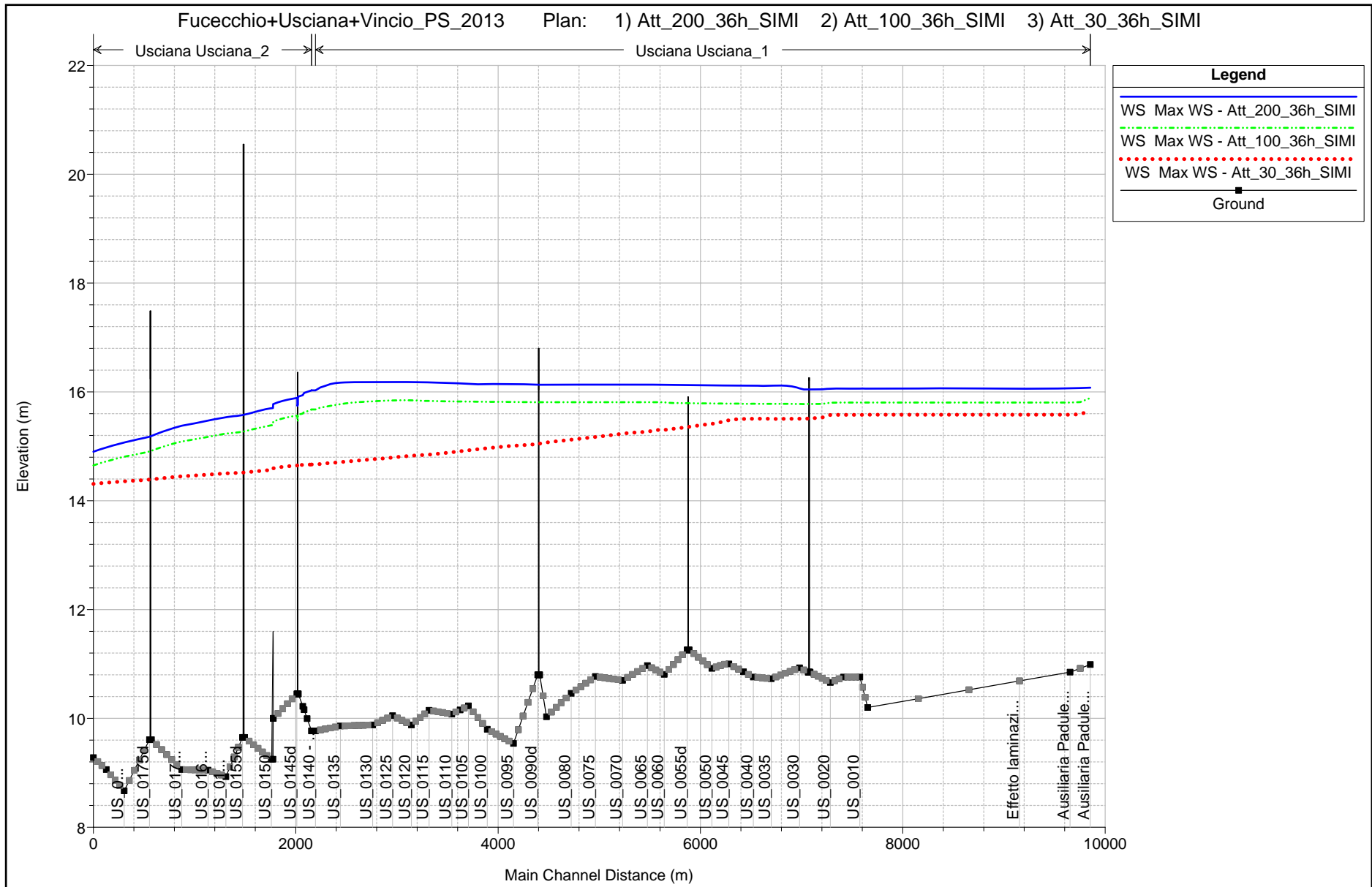
River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Vincio	Vincio	1	Att_200_36h_SIMI	-7.20	12.24	16.11		16.12	0.000009	-0.18	48.98	19.70	0.03
Vincio	Vincio	1	Att_100_36h_SIMI	-8.18	12.24	15.78		15.78	0.000018	-0.23	42.37	19.70	0.04
Vincio	Vincio	1	Att_30_36h_SIMI	-7.48	12.24	15.51		15.51	0.000022	-0.24	37.04	19.70	0.05
Vincio	Vincio	0.5	Att_200_36h_SIMI	12.65	12.20	16.11		16.11	0.000009	0.20	82.16	34.80	0.03
Vincio	Vincio	0.5	Att_100_36h_SIMI	14.09	12.20	15.78		15.78	0.000018	0.26	70.47	34.80	0.05
Vincio	Vincio	0.5	Att_30_36h_SIMI	14.22	12.20	15.50		15.51	0.000028	0.30	60.95	34.80	0.06
Vincio	Vincio	0.3	Att_200_36h_SIMI	12.65	12.40	16.09		16.11	0.000408	0.68	21.92	13.20	0.11
Vincio	Vincio	0.3	Att_100_36h_SIMI	14.09	12.40	15.75		15.79	0.000863	0.93	17.34	13.20	0.16
Vincio	Vincio	0.3	Att_30_36h_SIMI	14.22	12.40	15.47		15.53	0.001343	1.10	13.64	13.20	0.20
Vincio	Vincio	0.2	Att_200_36h_SIMI	17.53	12.40	16.02	13.61	16.06	0.000876	0.99	20.95	13.20	0.17
Vincio	Vincio	0.2	Att_100_36h_SIMI	15.72	12.40	15.71	13.53	15.76	0.001134	1.06	16.88	13.20	0.19
Vincio	Vincio	0.2	Att_30_36h_SIMI	14.22	12.40	15.45	13.45	15.52	0.001363	1.10	13.51	13.20	0.20

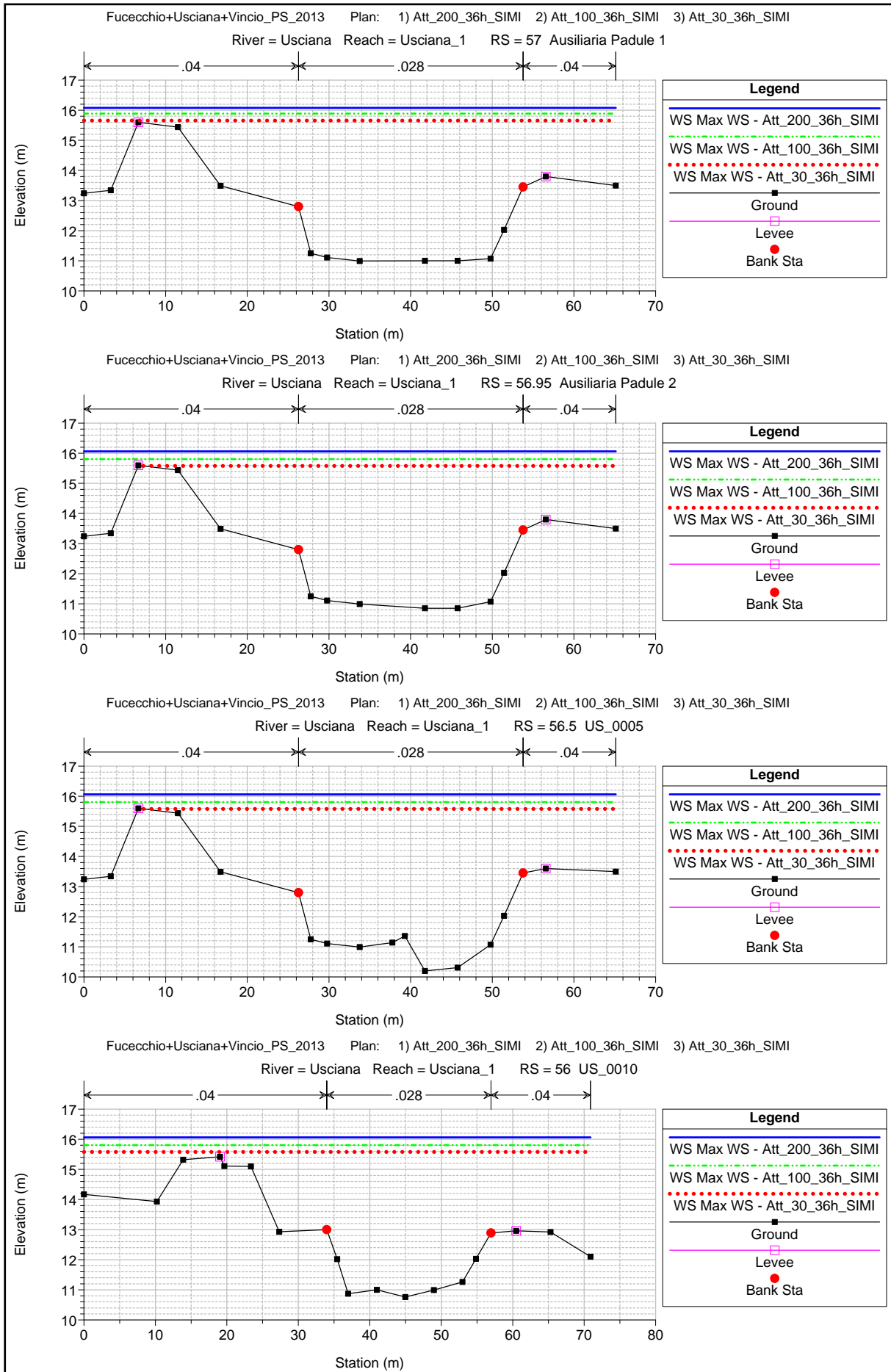
Scenario D

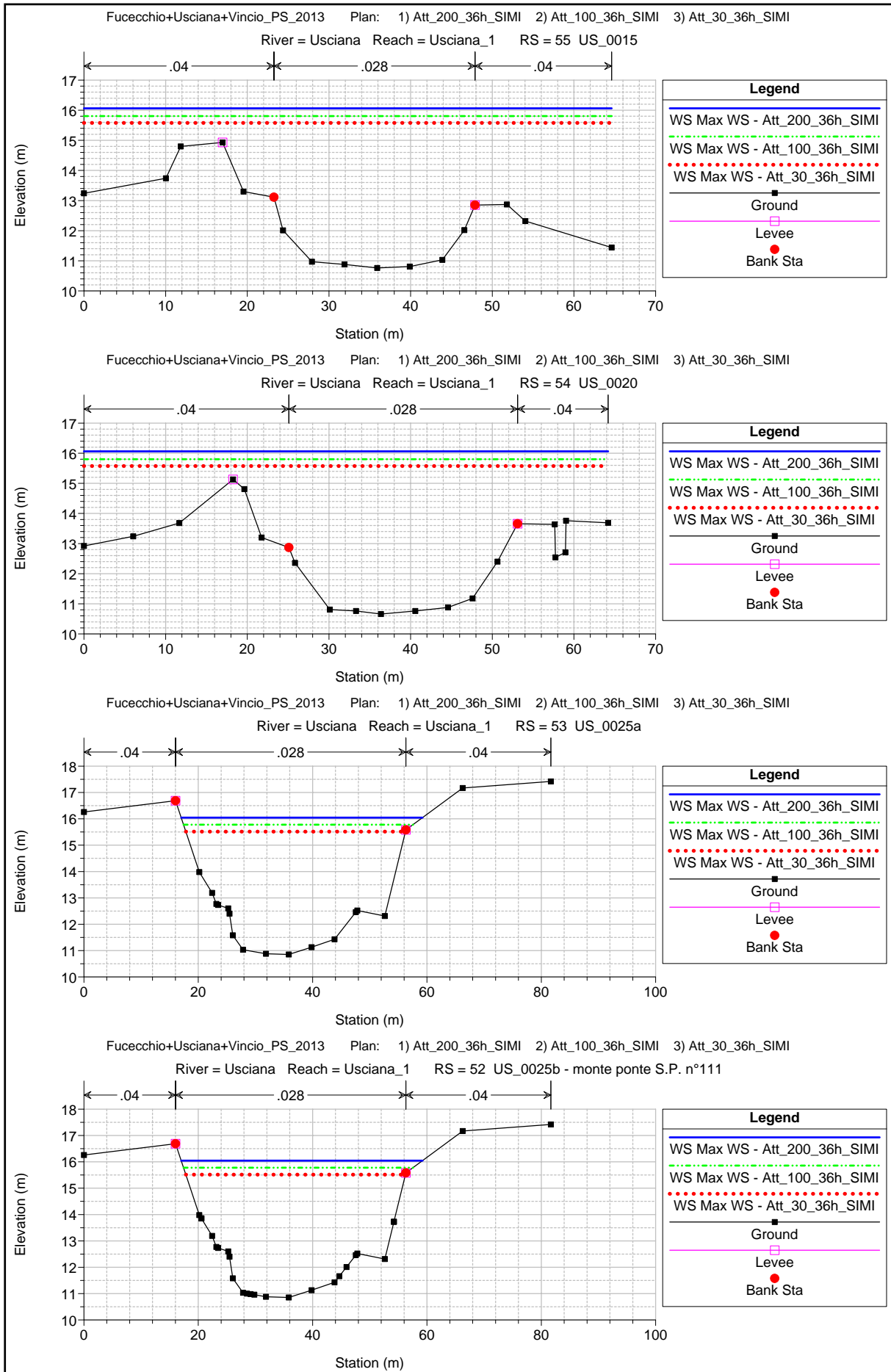
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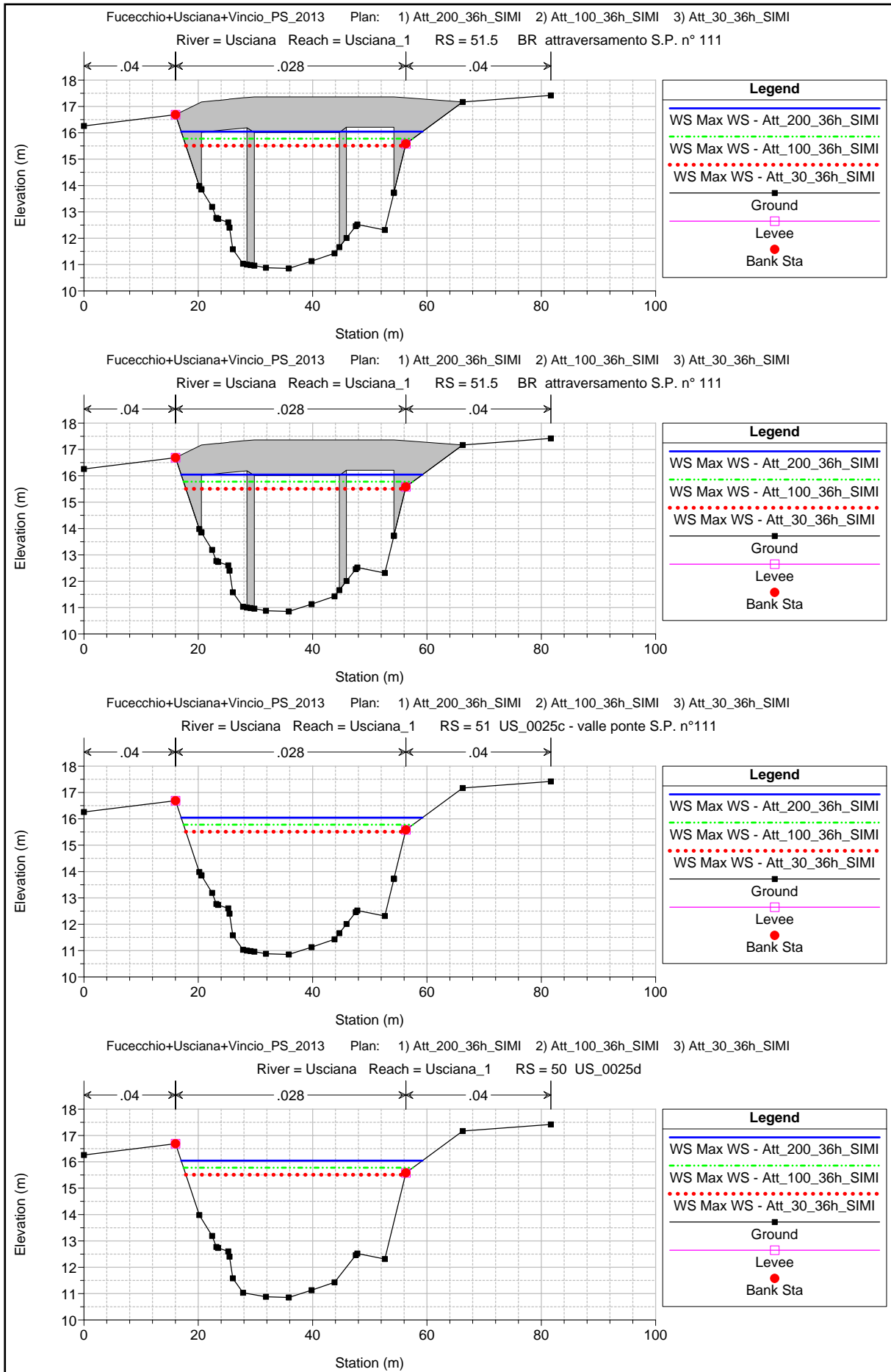
CANALE USCIANA

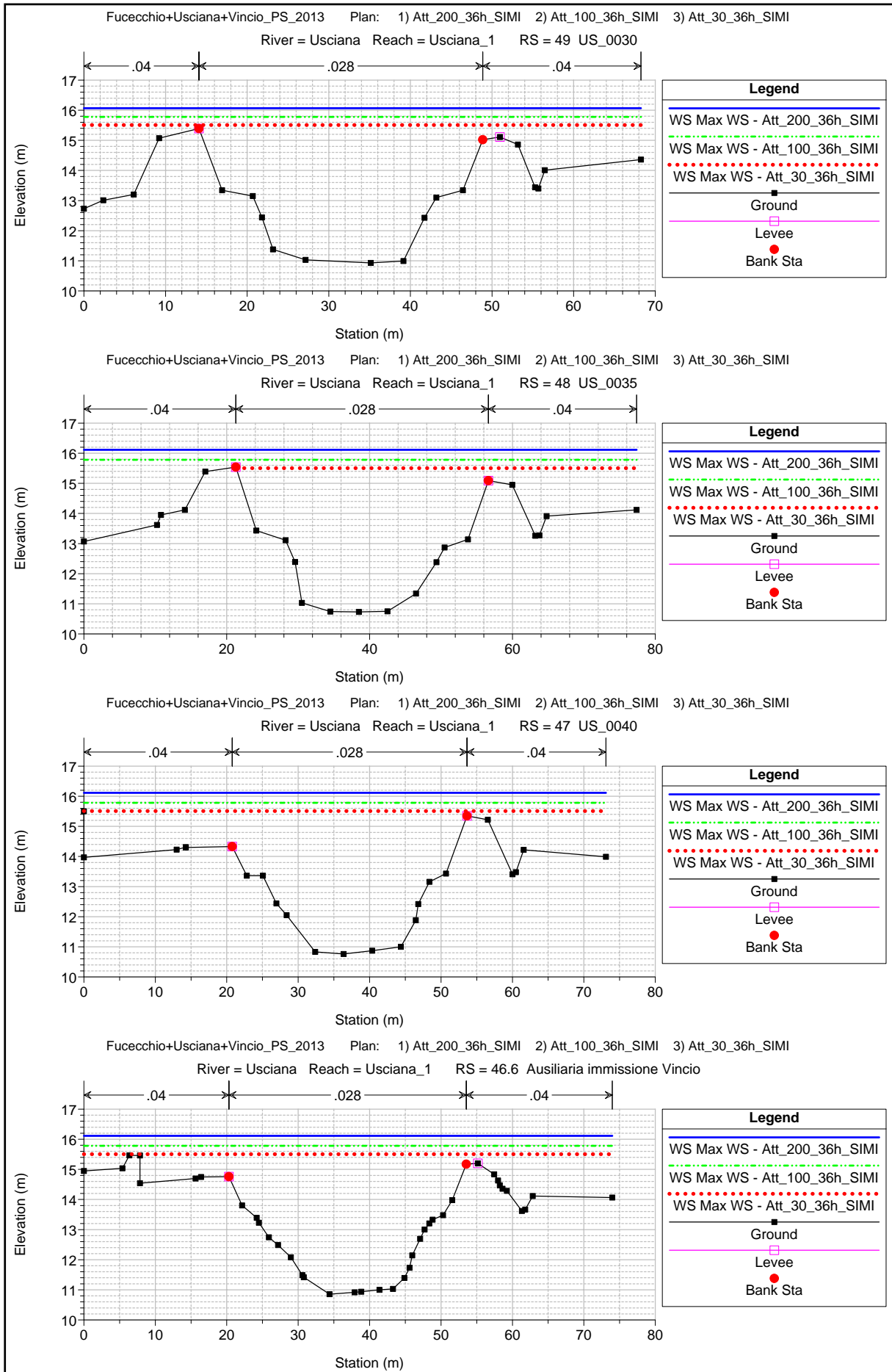
- **Profili**
- **Sezioni**
- **Tabelle di Output**

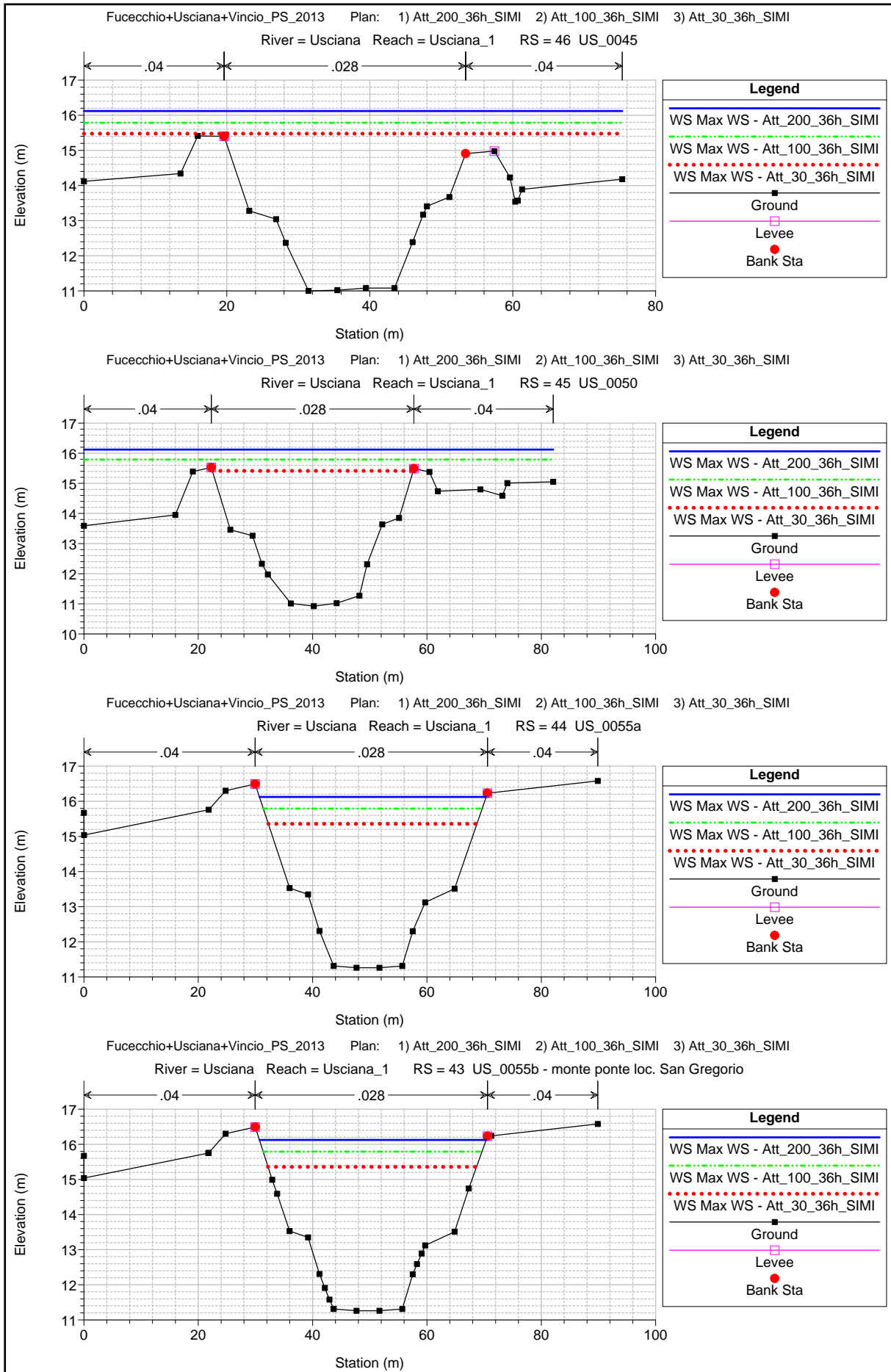


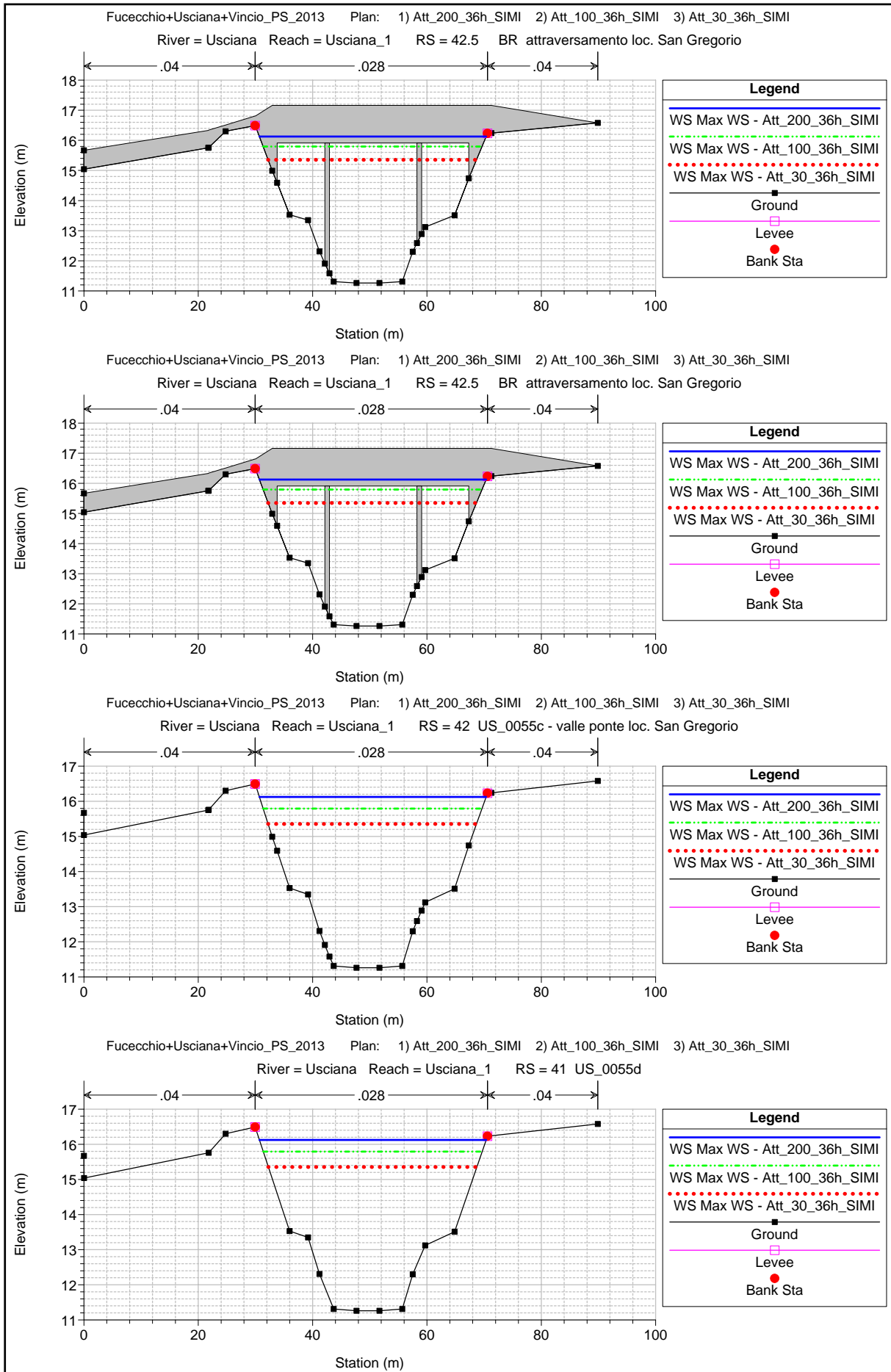


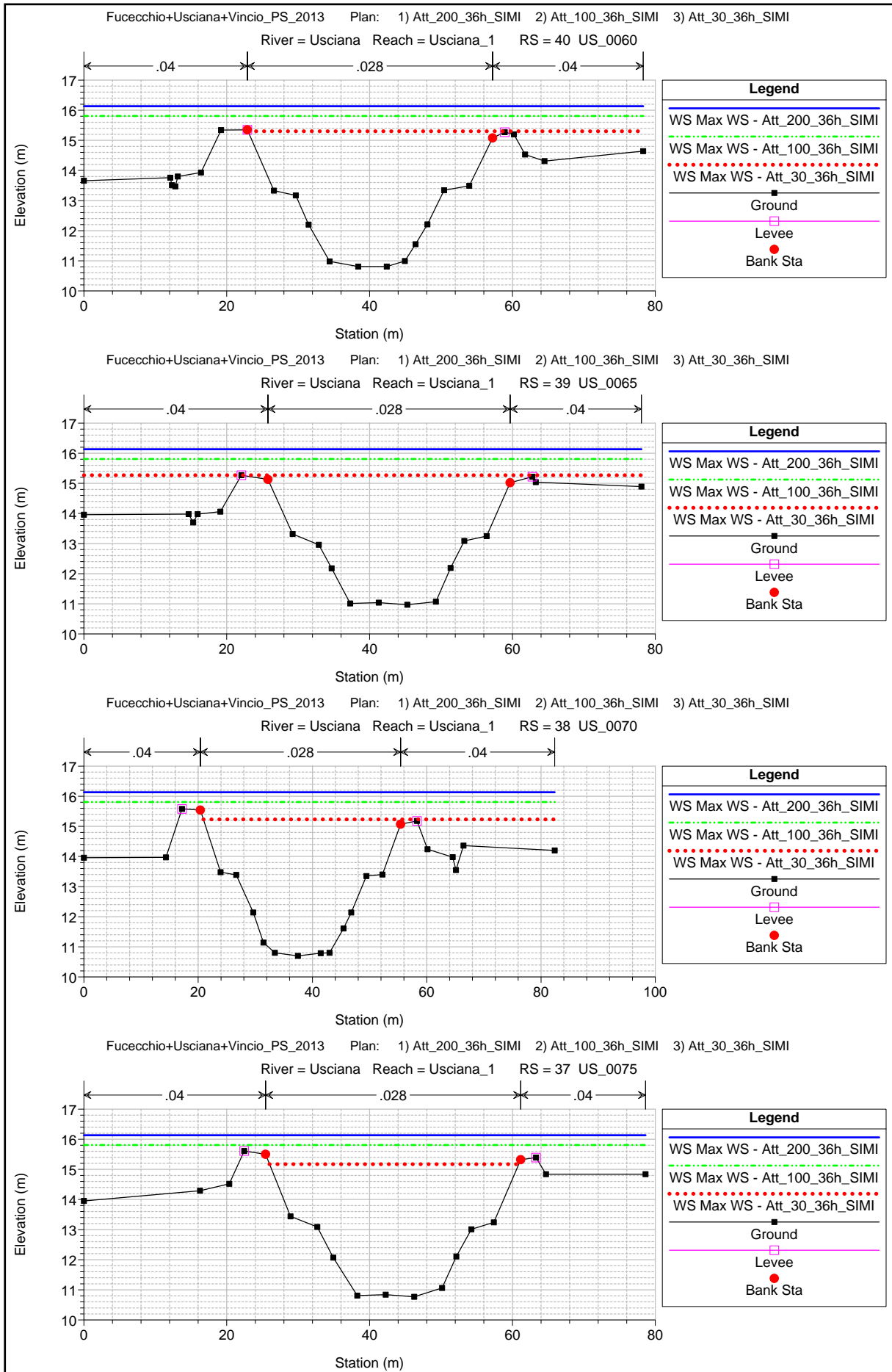


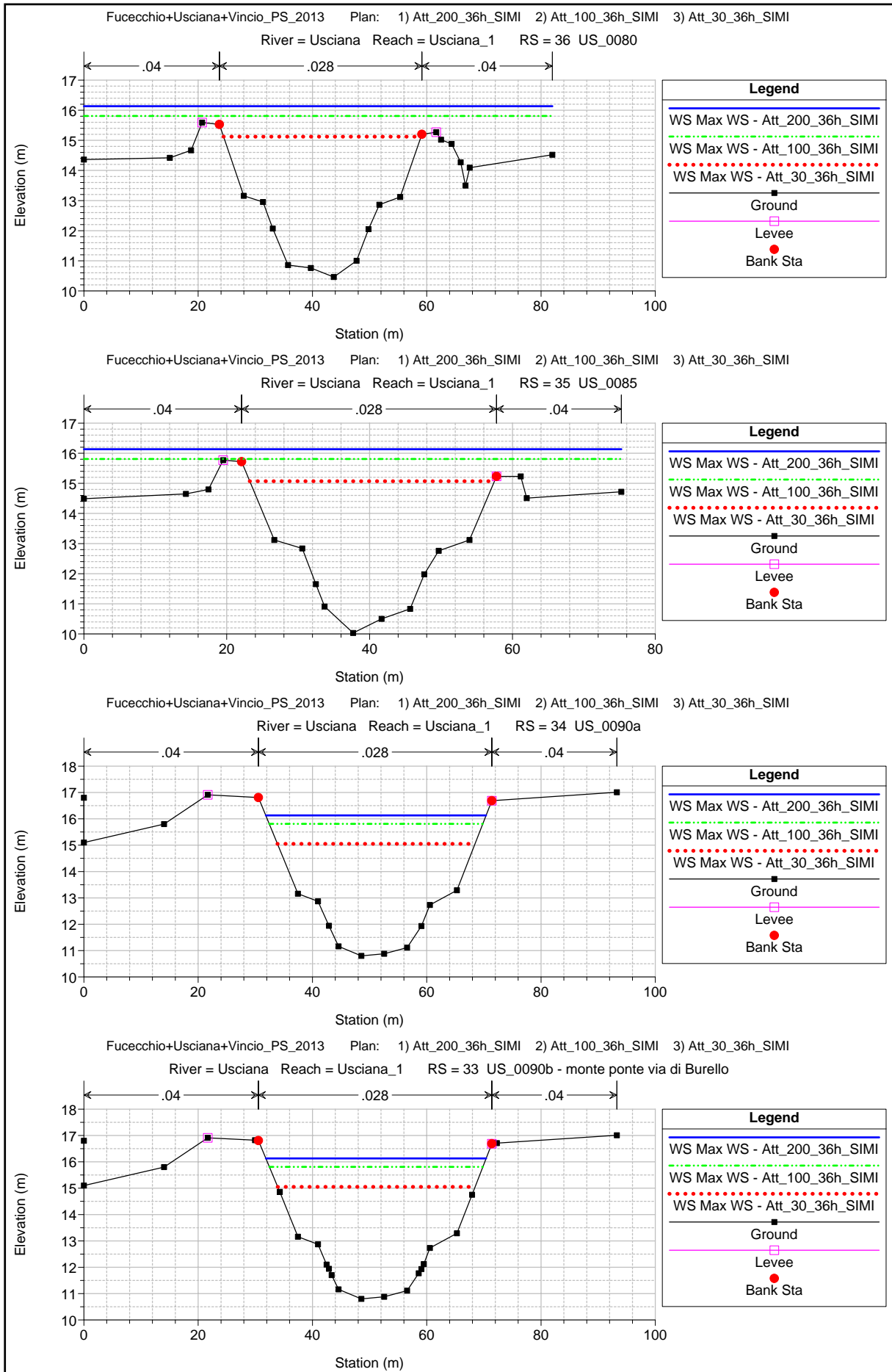


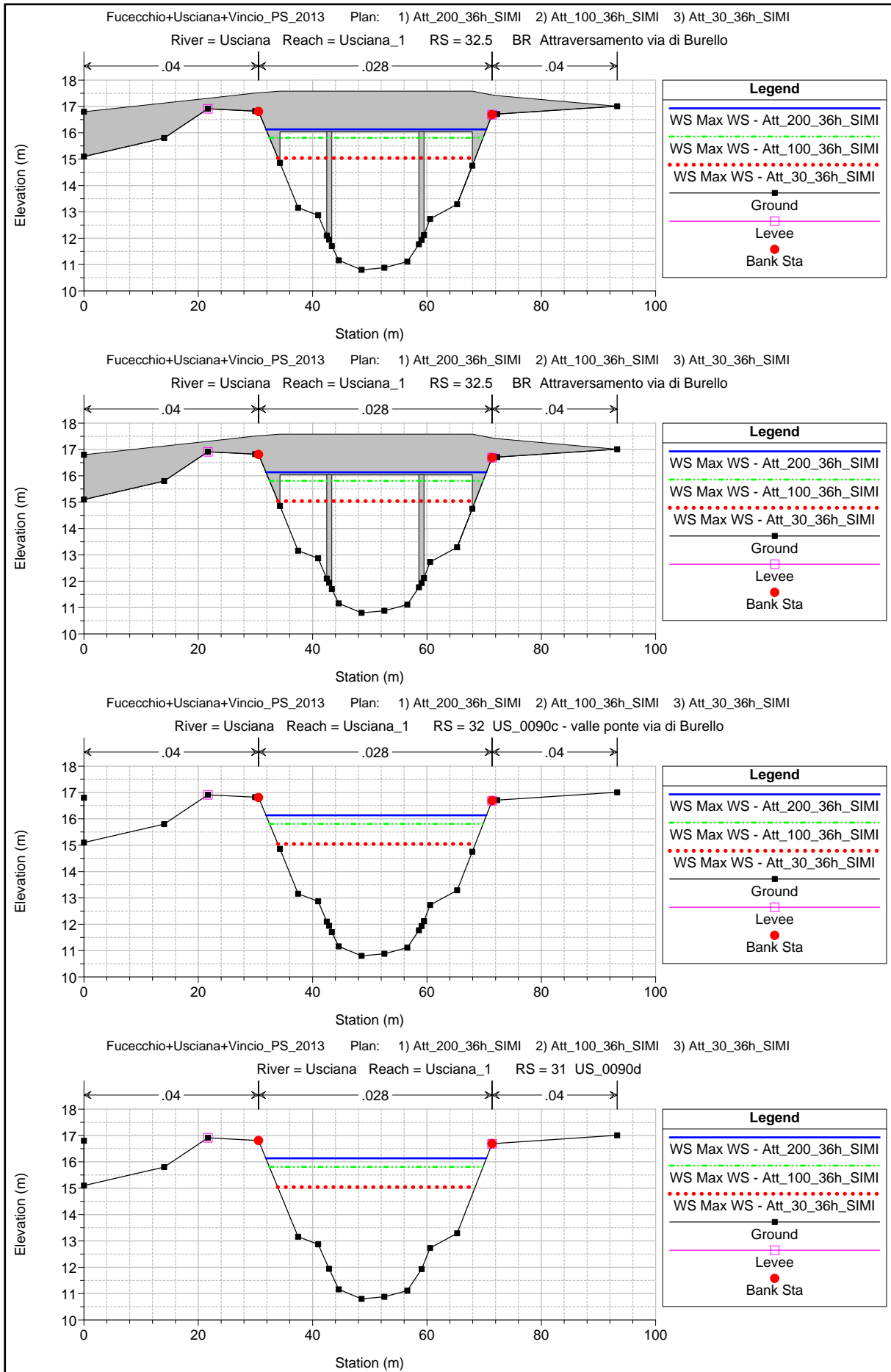


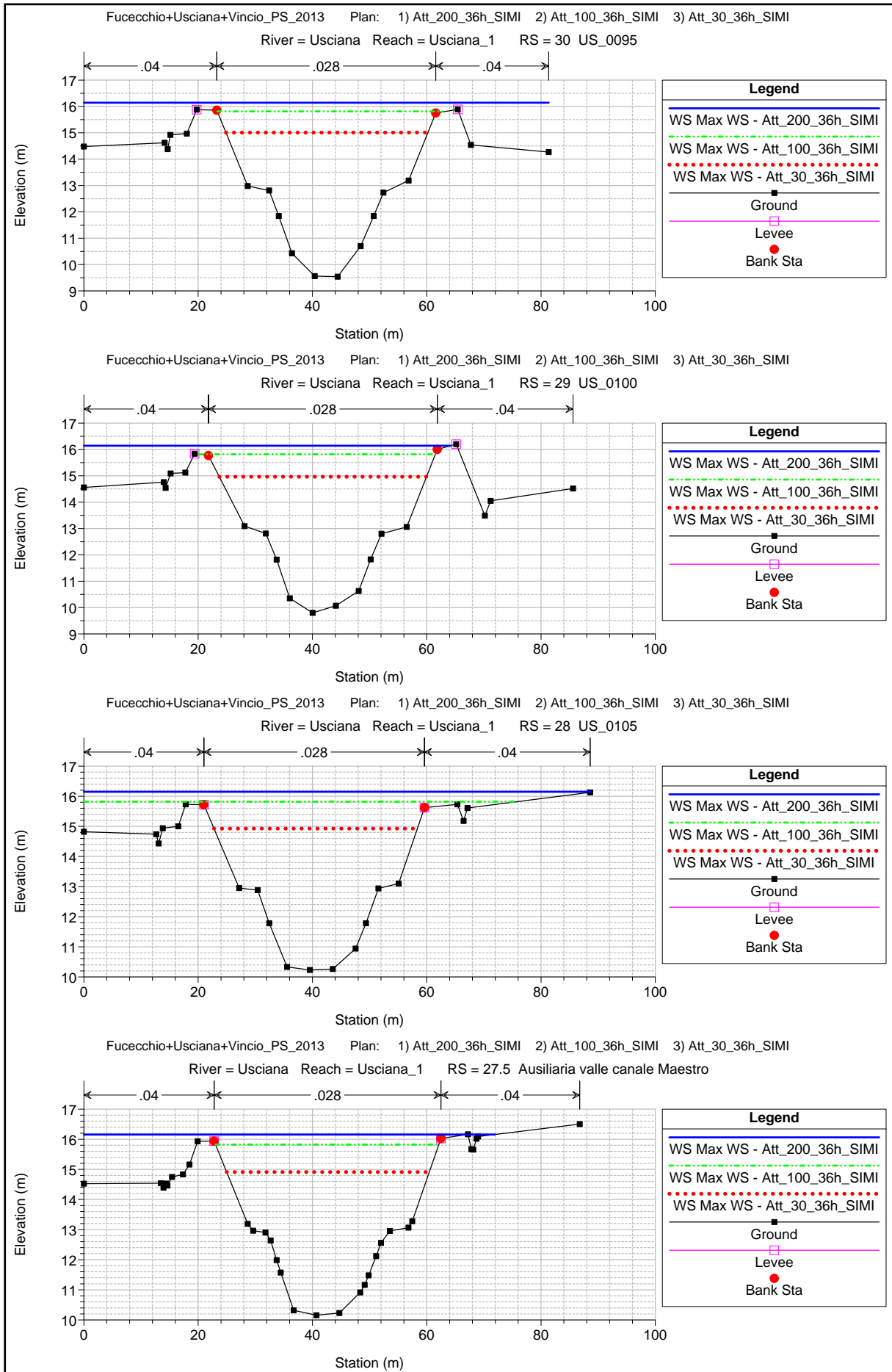


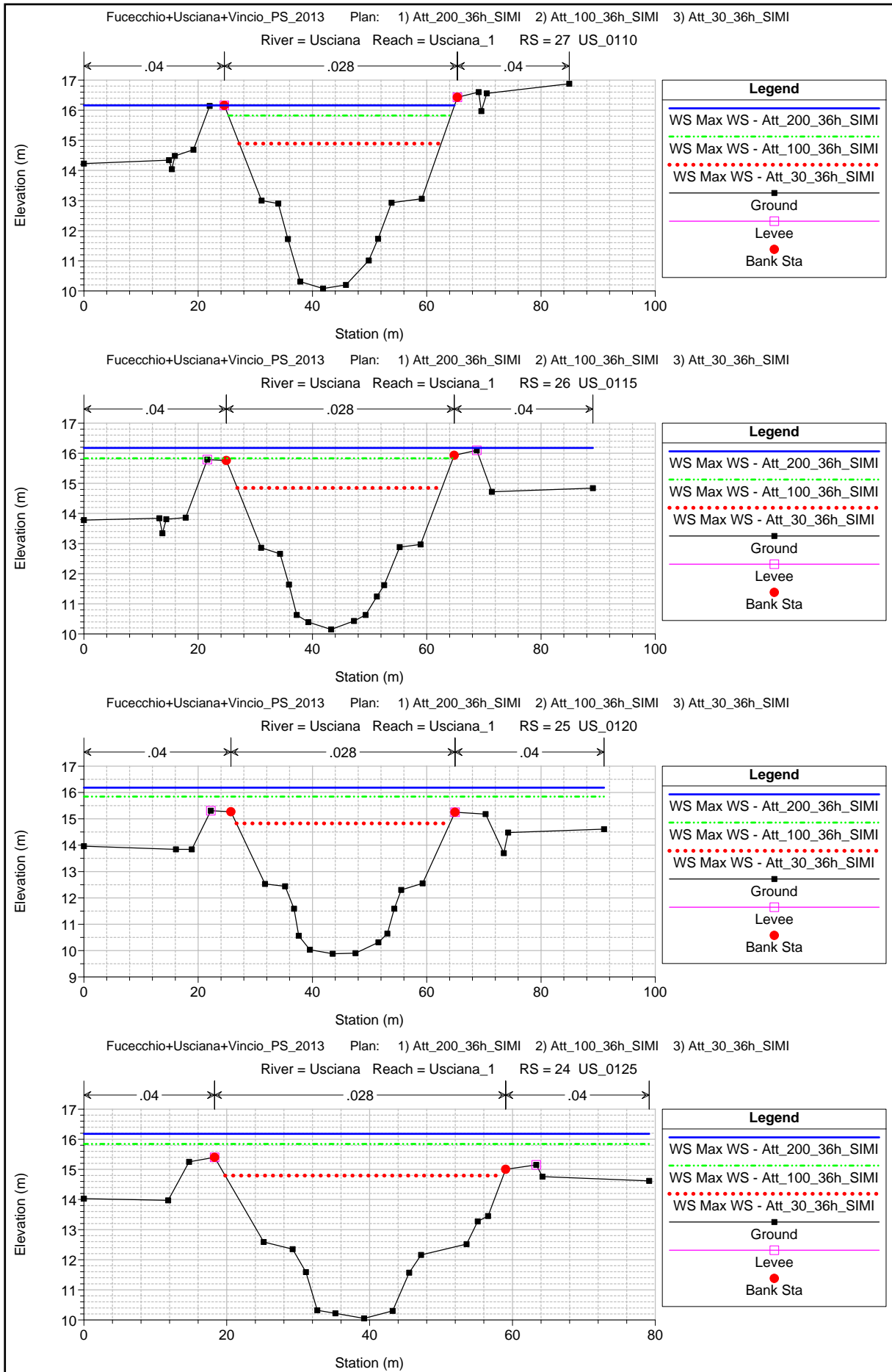


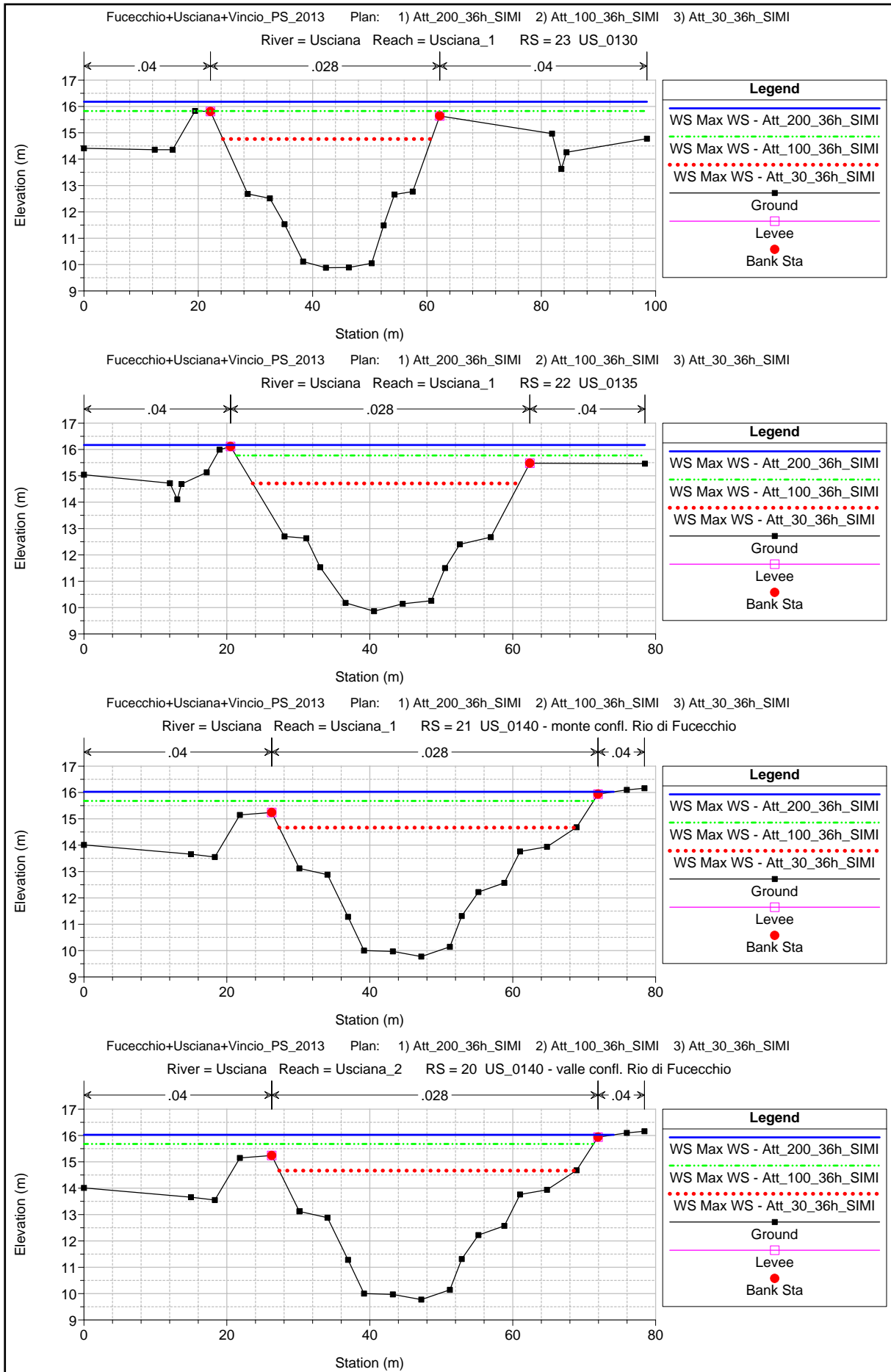


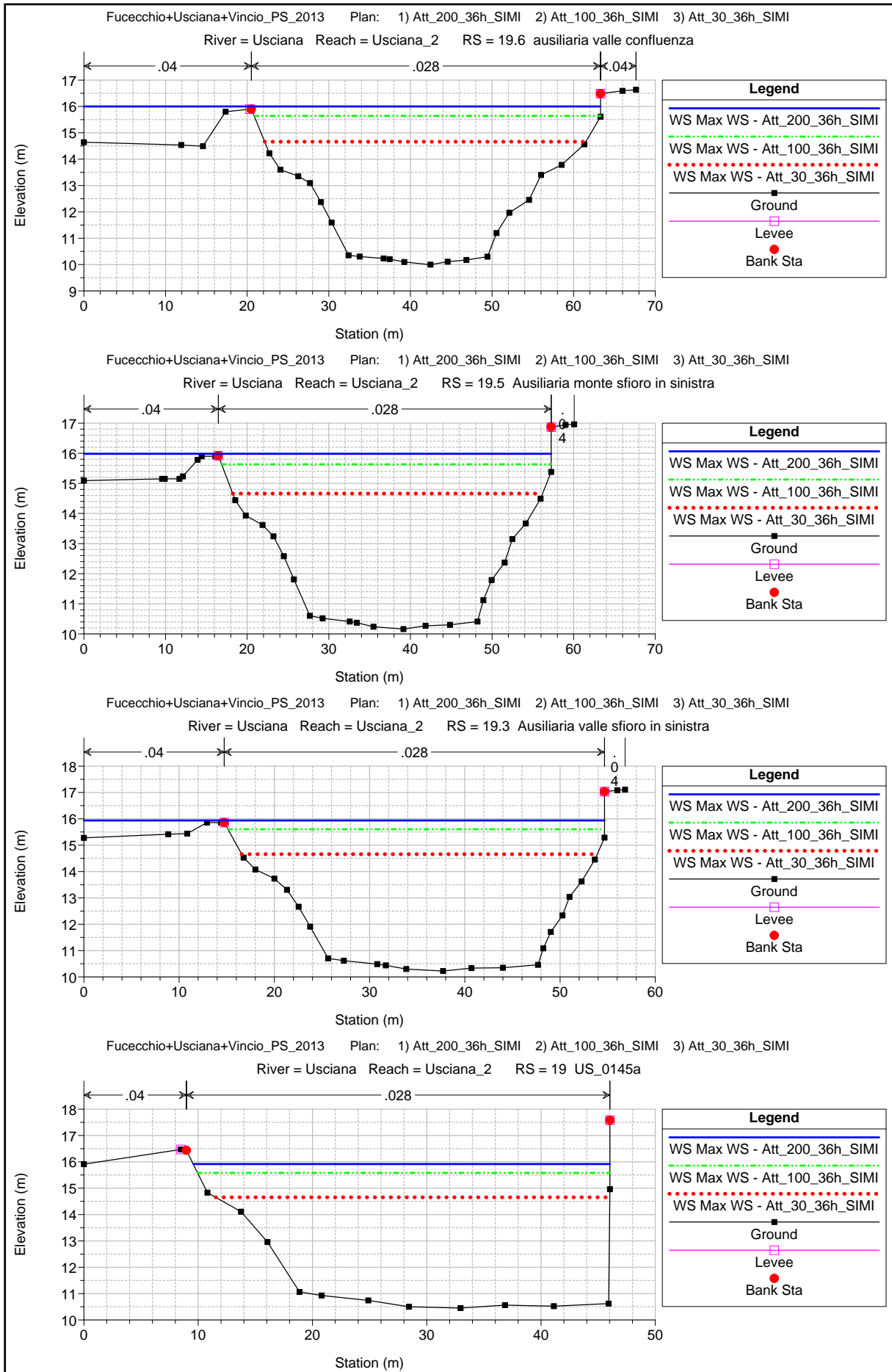


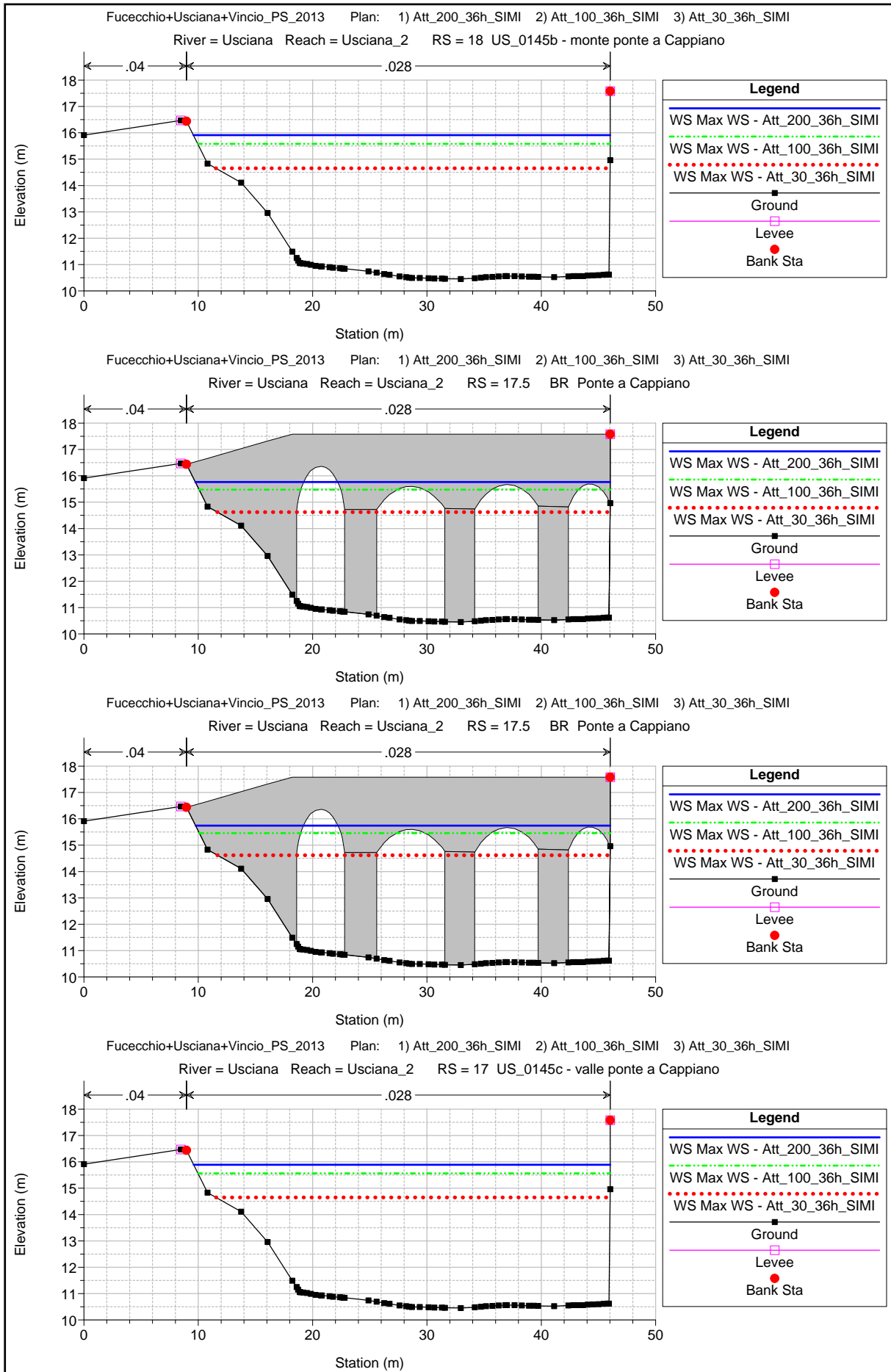


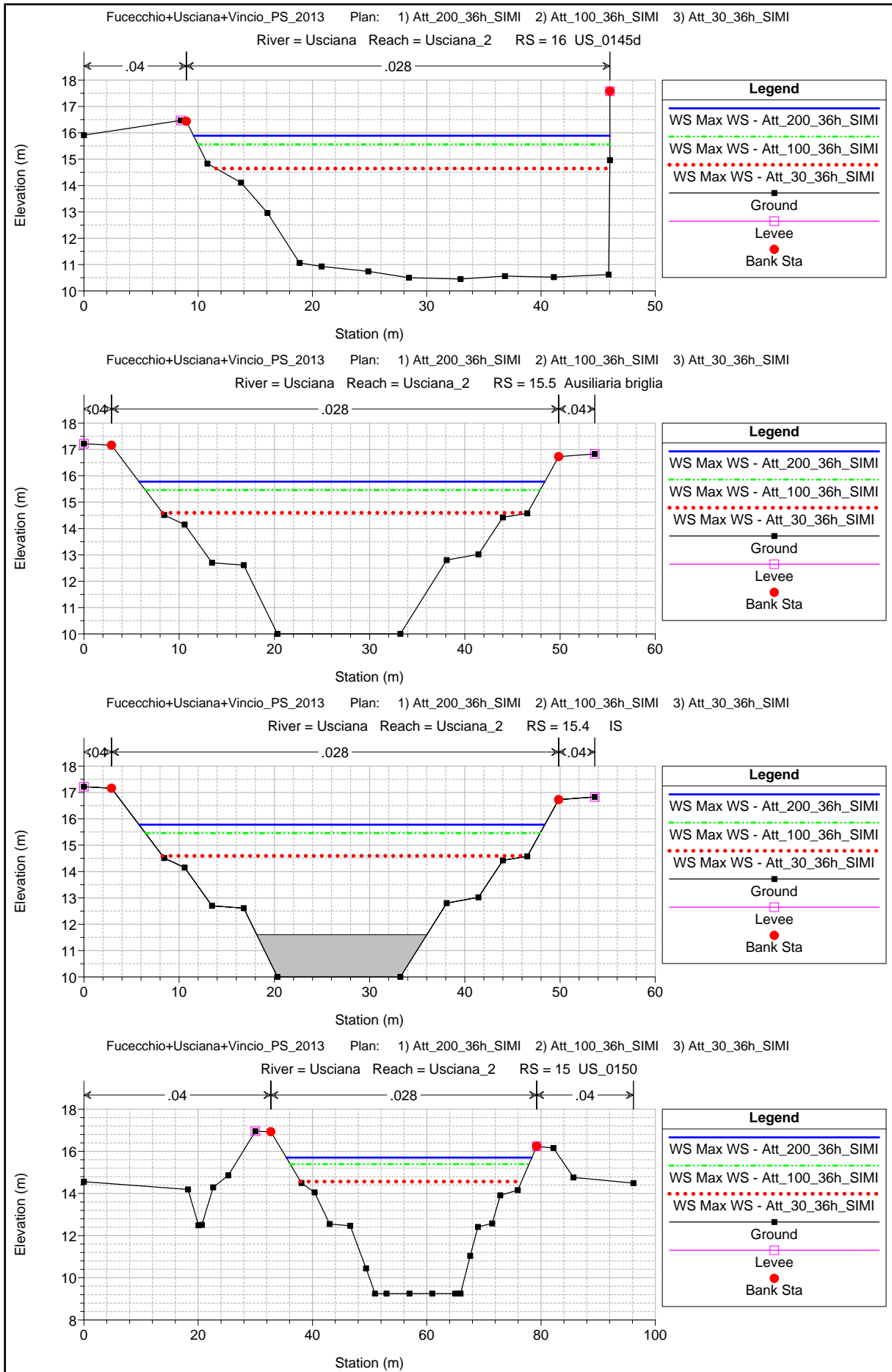


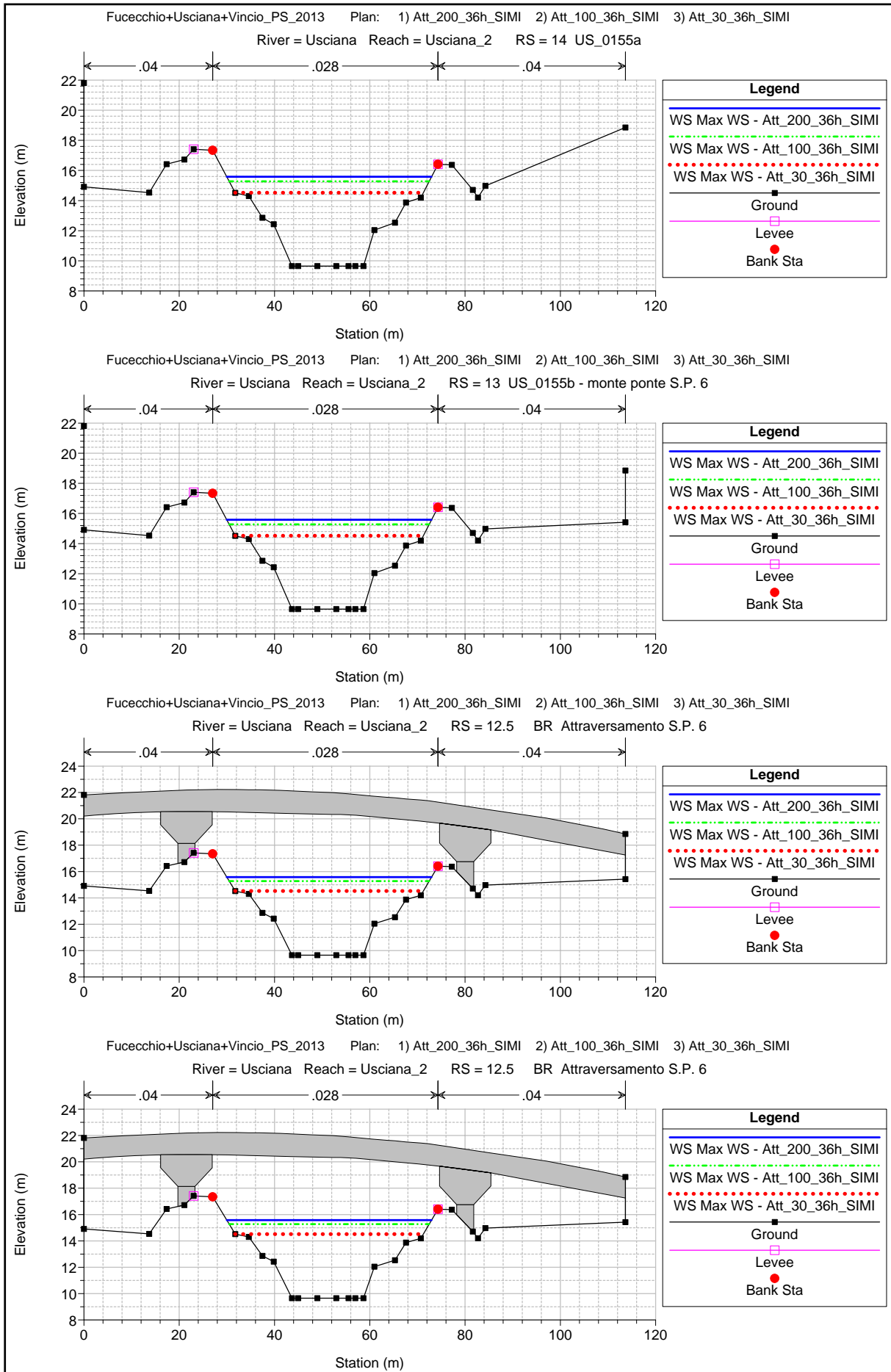


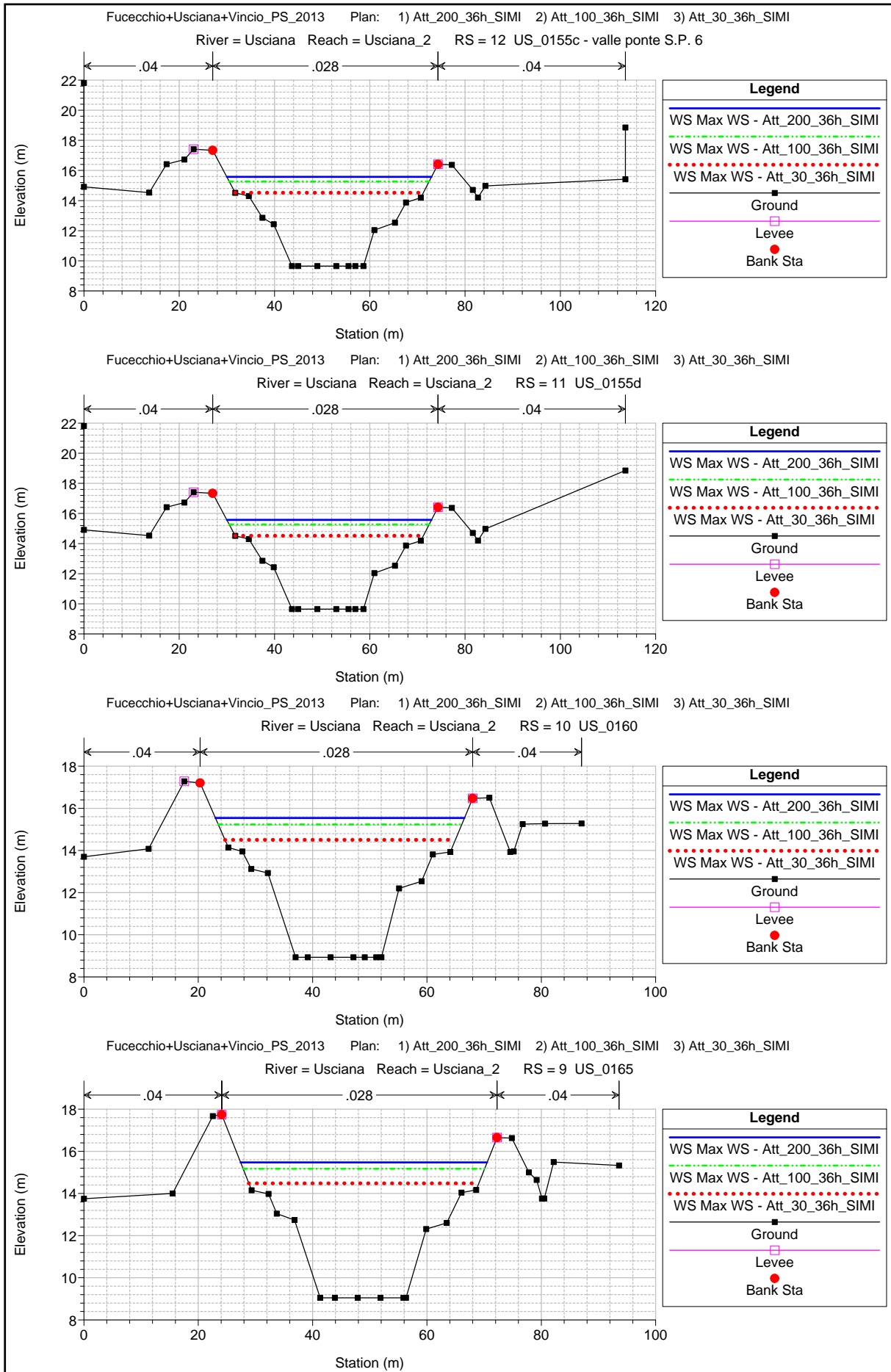


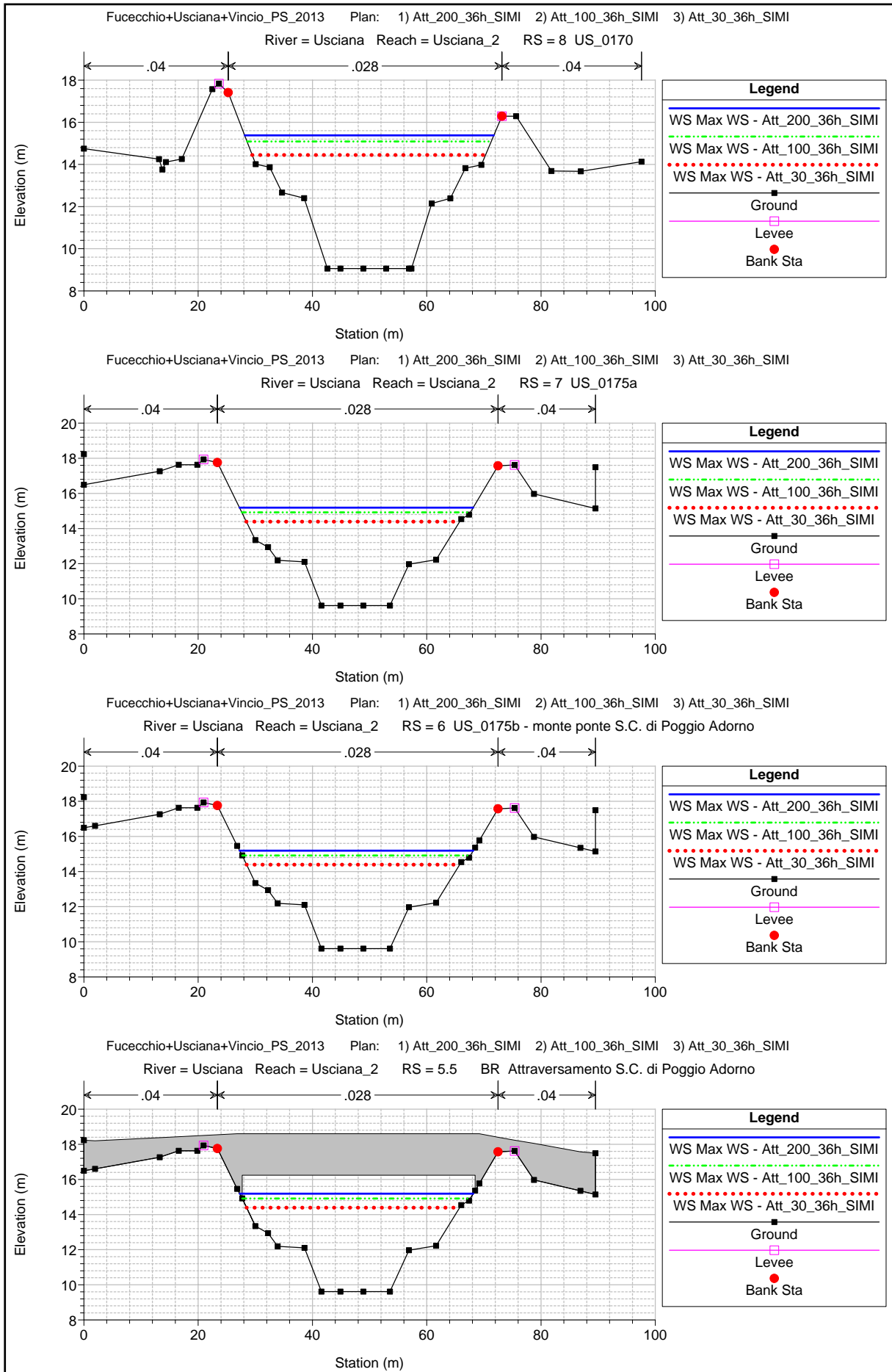


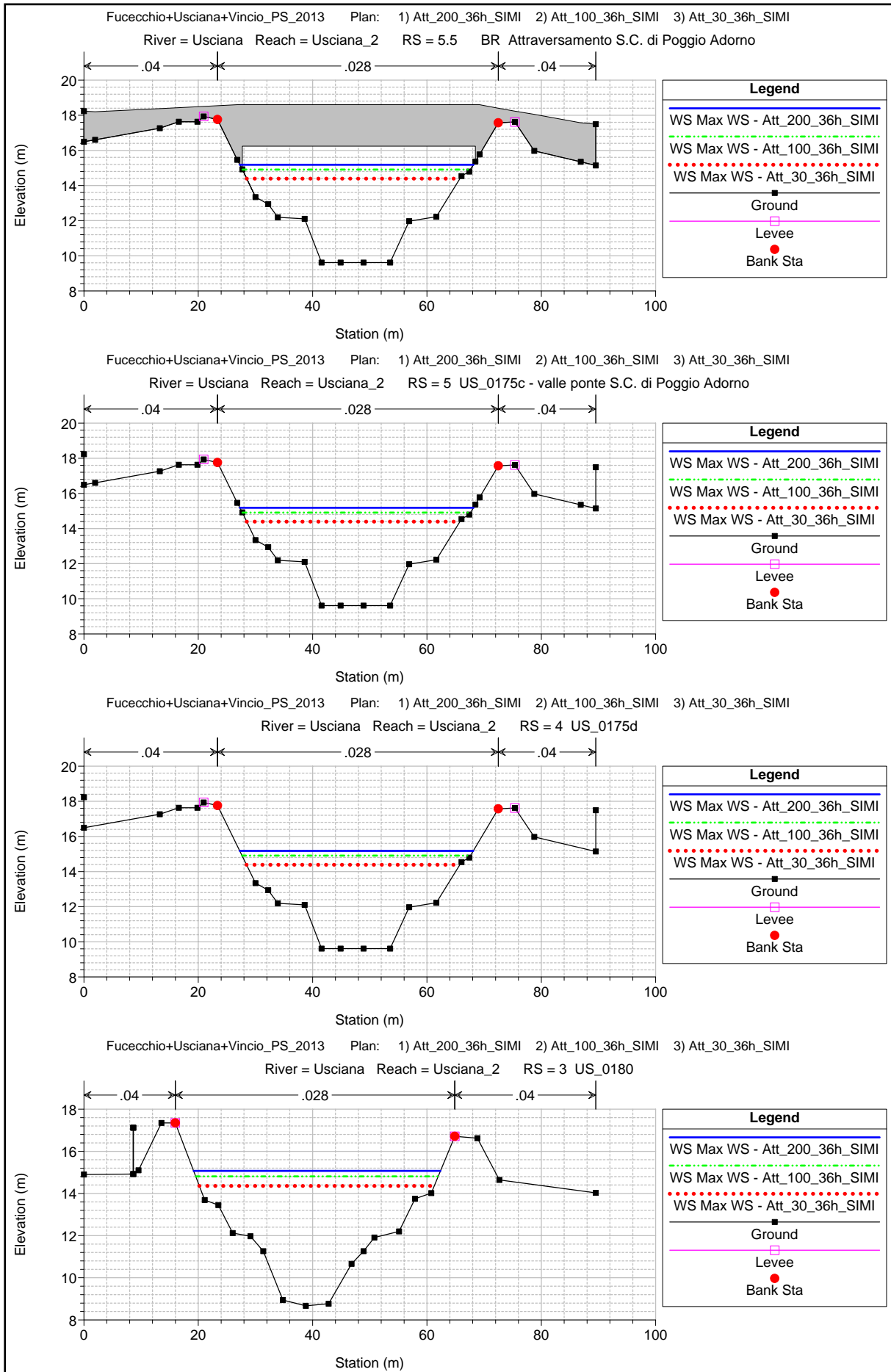


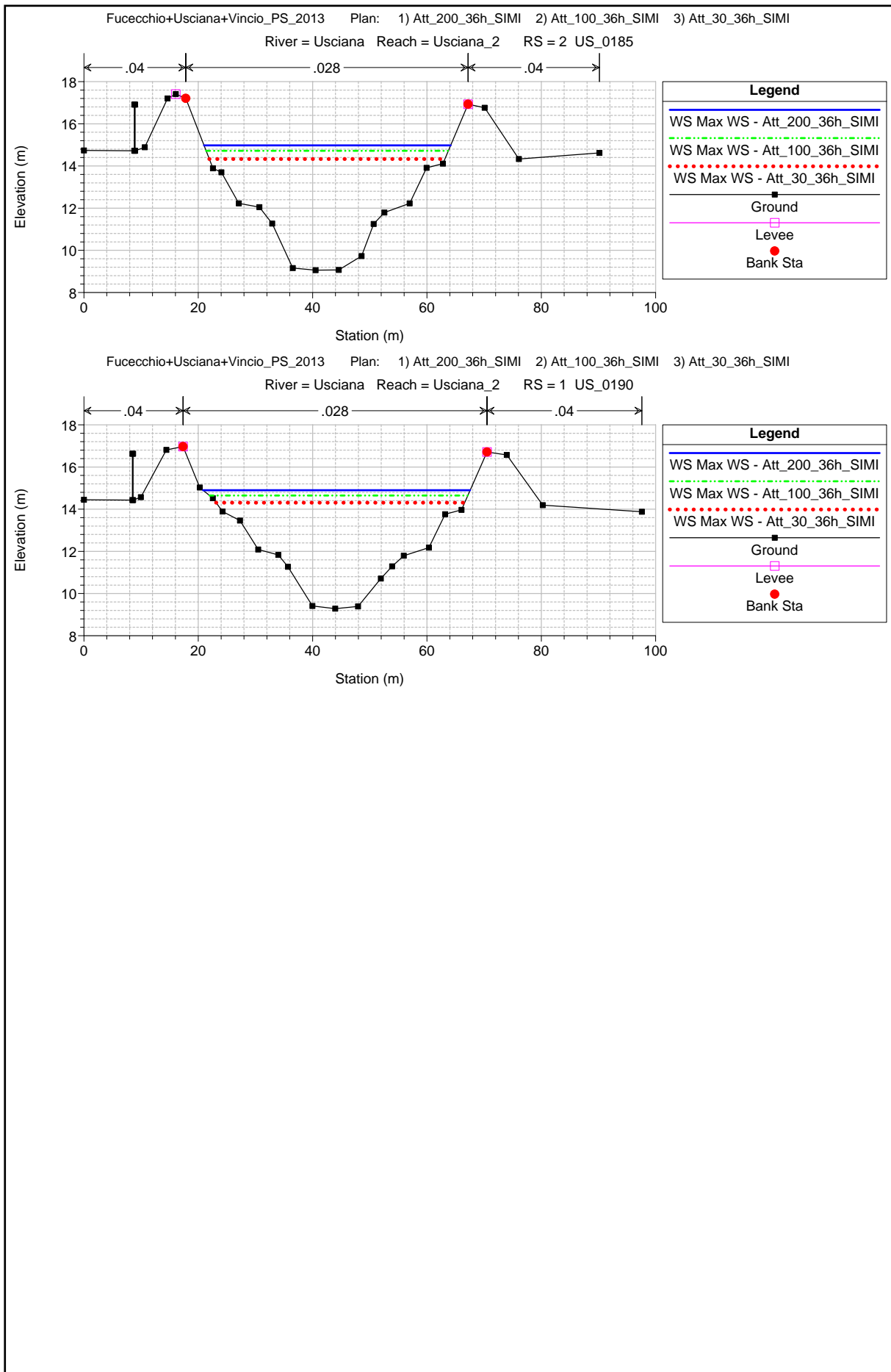












HEC-RAS Profile: Max WS

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
Usciana_1	57	Att_200_36h_SIMI	146.00	10.99	16.08		16.11	0.000082	0.89	213.86	65.12	0.13
Usciana_1	57	Att_100_36h_SIMI	464.61	10.99	15.89		16.28	0.000975	3.00	201.47	65.12	0.45
Usciana_1	57	Att_30_36h_SIMI	336.31	10.99	15.66		15.89	0.000631	2.33	186.37	65.12	0.36
Usciana_1	56.95	Att_200_36h_SIMI	135.20	10.85	16.06		16.09	0.000069	0.82	214.29	65.12	0.12
Usciana_1	56.95	Att_100_36h_SIMI	116.13	10.85	15.80		15.83	0.000064	0.76	197.49	65.12	0.11
Usciana_1	56.95	Att_30_36h_SIMI	109.14	10.85	15.58		15.61	0.000072	0.79	171.63	57.86	0.12
Usciana_1	56.94		Lat Struct									
Usciana_1	56.5	Att_200_36h_SIMI	36.35	10.20	16.06		16.06	0.000005	0.22	218.09	65.12	0.03
Usciana_1	56.5	Att_100_36h_SIMI	29.45	10.20	15.80		15.81	0.000004	0.19	201.32	65.12	0.03
Usciana_1	56.5	Att_30_36h_SIMI	24.67	10.20	15.58		15.58	0.000003	0.17	175.46	57.84	0.03
Usciana_1	56.4		Lat Struct									
Usciana_1	56.39		Lat Struct									
Usciana_1	56	Att_200_36h_SIMI	33.02	10.76	16.06		16.06	0.000005	0.21	217.90	70.88	0.03
Usciana_1	56	Att_100_36h_SIMI	26.50	10.76	15.80		15.80	0.000004	0.19	199.62	70.88	0.03
Usciana_1	56	Att_30_36h_SIMI	23.35	10.76	15.58		15.58	0.000004	0.18	183.74	70.88	0.03
Usciana_1	55	Att_200_36h_SIMI	31.42	10.76	16.06		16.06	0.000003	0.18	235.42	64.62	0.03
Usciana_1	55	Att_100_36h_SIMI	25.42	10.76	15.80		15.80	0.000003	0.16	218.75	64.62	0.02
Usciana_1	55	Att_30_36h_SIMI	22.49	10.76	15.58		15.58	0.000003	0.15	204.26	64.62	0.02
Usciana_1	54	Att_200_36h_SIMI	30.76	10.66	16.06		16.06	0.000003	0.18	221.23	64.18	0.03
Usciana_1	54	Att_100_36h_SIMI	28.42	10.66	15.80		15.80	0.000004	0.18	204.66	64.18	0.03
Usciana_1	54	Att_30_36h_SIMI	37.50	10.66	15.58		15.58	0.000008	0.26	190.12	64.18	0.04
Usciana_1	53	Att_200_36h_SIMI	-2.99	10.85	16.05		16.05	0.000000	-0.02	152.15	42.22	0.00
Usciana_1	53	Att_100_36h_SIMI	37.26	10.85	15.78		15.78	0.000011	0.26	141.16	40.14	0.04
Usciana_1	53	Att_30_36h_SIMI	104.00	10.85	15.51		15.55	0.000106	0.80	130.79	38.42	0.14
Usciana_1	52	Att_200_36h_SIMI	-2.99	10.85	16.05		16.05	0.000000	-0.02	152.12	42.22	0.00
Usciana_1	52	Att_100_36h_SIMI	37.26	10.85	15.78	11.82	15.78	0.000011	0.26	141.12	40.14	0.04
Usciana_1	52	Att_30_36h_SIMI	104.00	10.85	15.51	12.60	15.55	0.000106	0.80	130.75	38.42	0.14

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	51.5		Bridge									
Usciana_1	51	Att_200_36h_SIMI	-4.49	10.85	16.05		16.05	0.000000	-0.03	152.10	42.21	0.00
Usciana_1	51	Att_100_36h_SIMI	37.26	10.85	15.78		15.78	0.000011	0.26	141.12	40.14	0.04
Usciana_1	51	Att_30_36h_SIMI	104.00	10.85	15.51		15.54	0.000106	0.80	130.67	38.41	0.14
Usciana_1	50.9		Lat Struct									
Usciana_1	50.8		Lat Struct									
Usciana_1	50	Att_200_36h_SIMI	-4.49	10.85	16.05		16.05	0.000000	-0.03	152.13	42.21	0.00
Usciana_1	50	Att_100_36h_SIMI	37.26	10.85	15.78		15.78	0.000011	0.26	141.14	40.14	0.04
Usciana_1	50	Att_30_36h_SIMI	104.00	10.85	15.51		15.54	0.000106	0.80	130.67	38.41	0.14
Usciana_1	49	Att_200_36h_SIMI	-121.11	10.93	16.07		16.09	0.000080	-0.76	197.34	68.24	0.12
Usciana_1	49	Att_100_36h_SIMI	36.52	10.93	15.78		15.78	0.000010	0.25	177.75	68.24	0.04
Usciana_1	49	Att_30_36h_SIMI	103.20	10.93	15.51		15.54	0.000106	0.79	159.28	68.24	0.14
Usciana_1	48	Att_200_36h_SIMI	-38.81	10.73	16.11		16.12	0.000007	-0.22	225.21	77.39	0.04
Usciana_1	48	Att_100_36h_SIMI	-37.43	10.73	15.78		15.78	0.000009	-0.24	199.45	77.39	0.04
Usciana_1	48	Att_30_36h_SIMI	75.71	10.73	15.51		15.52	0.000057	0.58	147.76	56.07	0.10
Usciana_1	47	Att_200_36h_SIMI	-47.76	10.76	16.12		16.12	0.000011	-0.29	208.04	73.09	0.05
Usciana_1	47	Att_100_36h_SIMI	-44.92	10.76	15.78		15.79	0.000014	-0.31	183.72	73.09	0.05
Usciana_1	47	Att_30_36h_SIMI	61.16	10.76	15.51		15.52	0.000036	0.47	163.64	73.09	0.08
Usciana_1	46.6	Att_200_36h_SIMI	-48.53	10.86	16.12		16.12	0.000014	-0.32	192.51	73.98	0.05
Usciana_1	46.6	Att_100_36h_SIMI	-46.90	10.86	15.78		15.79	0.000019	-0.35	167.86	73.98	0.06
Usciana_1	46.6	Att_30_36h_SIMI	58.98	10.86	15.50		15.51	0.000041	0.49	147.23	73.98	0.09
Usciana_1	46.59		Lat Struct									
Usciana_1	46.57		Lat Struct									
Usciana_1	46	Att_200_36h_SIMI	-38.07	11.00	16.12		16.12	0.000009	-0.24	199.30	75.32	0.04
Usciana_1	46	Att_100_36h_SIMI	-42.01	11.00	15.79		15.79	0.000015	-0.30	174.17	75.32	0.05

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	46	Att_30_36h_SIMI	77.77	11.00	15.48		15.50	0.000076	0.64	151.09	75.32	0.12
Usciana_1	45	Att_200_36h_SIMI	-37.77	10.92	16.12		16.12	0.000008	-0.24	203.43	82.09	0.04
Usciana_1	45	Att_100_36h_SIMI	-43.19	10.92	15.79		15.79	0.000016	-0.31	176.11	82.09	0.05
Usciana_1	45	Att_30_36h_SIMI	103.32	10.92	15.42		15.47	0.000188	0.98	105.40	35.13	0.18
Usciana_1	44	Att_200_36h_SIMI	-35.13	11.26	16.12		16.13	0.000013	-0.27	127.98	39.67	0.05
Usciana_1	44	Att_100_36h_SIMI	-43.35	11.26	15.79		15.80	0.000027	-0.38	115.05	38.29	0.07
Usciana_1	44	Att_30_36h_SIMI	103.32	11.26	15.36		15.41	0.000241	1.05	98.82	36.49	0.20
Usciana_1	43	Att_200_36h_SIMI	-35.17	11.26	16.12		16.13	0.000013	-0.27	127.93	39.66	0.05
Usciana_1	43	Att_100_36h_SIMI	-43.47	11.26	15.79		15.80	0.000028	-0.38	115.02	38.28	0.07
Usciana_1	43	Att_30_36h_SIMI	103.32	11.26	15.36	13.04	15.41	0.000242	1.05	98.74	36.47	0.20
Usciana_1	42.5		Bridge									
Usciana_1	42	Att_200_36h_SIMI	-35.17	11.26	16.12		16.13	0.000013	-0.27	127.94	39.66	0.05
Usciana_1	42	Att_100_36h_SIMI	-43.47	11.26	15.79		15.80	0.000028	-0.38	115.03	38.28	0.07
Usciana_1	42	Att_30_36h_SIMI	103.32	11.26	15.35		15.41	0.000243	1.05	98.60	36.46	0.20
Usciana_1	41.9		Lat Struct									
Usciana_1	41.8		Lat Struct									
Usciana_1	41	Att_200_36h_SIMI	-35.21	11.26	16.12		16.13	0.000013	-0.28	127.99	39.67	0.05
Usciana_1	41	Att_100_36h_SIMI	-43.47	11.26	15.79		15.80	0.000028	-0.38	115.07	38.30	0.07
Usciana_1	41	Att_30_36h_SIMI	103.32	11.26	15.35		15.41	0.000243	1.05	98.60	36.47	0.20
Usciana_1	40	Att_200_36h_SIMI	-17.27	10.81	16.13		16.13	0.000002	-0.11	207.12	78.30	0.02
Usciana_1	40	Att_100_36h_SIMI	-27.67	10.81	15.81		15.81	0.000006	-0.19	181.68	78.30	0.03
Usciana_1	40	Att_30_36h_SIMI	103.30	10.81	15.30		15.35	0.000200	0.99	114.62	55.32	0.19
Usciana_1	39	Att_200_36h_SIMI	-20.22	10.97	16.13		16.13	0.000002	-0.13	198.98	78.06	0.02
Usciana_1	39	Att_100_36h_SIMI	-17.56	10.97	15.81		15.81	0.000003	-0.13	173.85	78.06	0.02
Usciana_1	39	Att_30_36h_SIMI	101.45	10.97	15.27		15.31	0.000170	0.92	131.76	78.06	0.17
Usciana_1	38	Att_200_36h_SIMI	-30.01	10.70	16.13		16.13	0.000004	-0.18	218.60	82.39	0.03

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	38	Att_100_36h_SIMI	-23.54	10.70	15.81		15.81	0.000004	-0.16	192.08	82.39	0.03
Usciana_1	38	Att_30_36h_SIMI	102.23	10.70	15.23		15.27	0.000173	0.93	126.00	61.48	0.17
Usciana_1	37	Att_200_36h_SIMI	-34.83	10.77	16.13		16.13	0.000007	-0.22	200.93	78.63	0.04
Usciana_1	37	Att_100_36h_SIMI	-26.31	10.77	15.81		15.81	0.000005	-0.18	175.63	78.63	0.03
Usciana_1	37	Att_30_36h_SIMI	103.07	10.77	15.17		15.22	0.000207	1.01	101.86	34.90	0.19
Usciana_1	36	Att_200_36h_SIMI	-50.22	10.46	16.13		16.14	0.000013	-0.30	210.86	81.99	0.05
Usciana_1	36	Att_100_36h_SIMI	-34.04	10.46	15.81		15.81	0.000008	-0.23	184.42	81.99	0.04
Usciana_1	36	Att_30_36h_SIMI	103.07	10.46	15.12		15.17	0.000207	1.02	101.51	34.57	0.19
Usciana_1	35	Att_200_36h_SIMI	-61.73	10.03	16.13		16.14	0.000021	-0.39	193.32	75.25	0.06
Usciana_1	35	Att_100_36h_SIMI	-38.85	10.03	15.81		15.81	0.000012	-0.28	169.05	75.25	0.05
Usciana_1	35	Att_30_36h_SIMI	103.31	10.03	15.07		15.12	0.000204	1.01	102.03	34.27	0.19
Usciana_1	34	Att_200_36h_SIMI	-61.12	10.80	16.13		16.14	0.000032	-0.45	135.66	38.55	0.08
Usciana_1	34	Att_100_36h_SIMI	-38.84	10.80	15.81		15.82	0.000017	-0.31	123.46	37.37	0.06
Usciana_1	34	Att_30_36h_SIMI	103.31	10.80	15.05		15.11	0.000247	1.07	96.12	34.57	0.21
Usciana_1	33	Att_200_36h_SIMI	-61.12	10.80	16.13		16.14	0.000032	-0.45	135.74	38.55	0.08
Usciana_1	33	Att_100_36h_SIMI	-38.84	10.80	15.81		15.82	0.000017	-0.31	123.53	37.36	0.06
Usciana_1	33	Att_30_36h_SIMI	103.31	10.80	15.05	12.72	15.11	0.000247	1.07	96.16	34.55	0.21
Usciana_1	32.5		Bridge									
Usciana_1	32	Att_200_36h_SIMI	-62.23	10.80	16.13		16.14	0.000033	-0.46	135.78	38.55	0.08
Usciana_1	32	Att_100_36h_SIMI	-38.84	10.80	15.81		15.82	0.000017	-0.31	123.54	37.36	0.06
Usciana_1	32	Att_30_36h_SIMI	103.31	10.80	15.04		15.10	0.000248	1.08	95.99	34.54	0.21
Usciana_1	31.9		Lat Struct									
Usciana_1	31.8		Lat Struct									
Usciana_1	31	Att_200_36h_SIMI	-62.23	10.80	16.13		16.14	0.000033	-0.46	135.71	38.56	0.08
Usciana_1	31	Att_100_36h_SIMI	-38.84	10.80	15.81		15.82	0.000017	-0.31	123.48	37.37	0.06
Usciana_1	31	Att_30_36h_SIMI	103.31	10.80	15.04		15.10	0.000249	1.08	95.87	34.54	0.21

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	30	Att_200_36h_SIMI	-62.29	9.54	16.14		16.15	0.000017	-0.36	211.08	81.34	0.06
Usciana_1	30	Att_100_36h_SIMI	-46.37	9.54	15.81		15.82	0.000016	-0.33	141.83	40.01	0.05
Usciana_1	30	Att_30_36h_SIMI	103.31	9.54	15.01		15.05	0.000156	0.92	112.16	35.34	0.17
Usciana_1	29	Att_200_36h_SIMI	-79.41	9.80	16.14		16.15	0.000033	-0.49	181.66	64.20	0.08
Usciana_1	29	Att_100_36h_SIMI	-50.27	9.80	15.82		15.82	0.000020	-0.35	141.67	41.39	0.06
Usciana_1	29	Att_30_36h_SIMI	103.31	9.80	14.97		15.01	0.000175	0.95	109.20	36.27	0.17
Usciana_1	28	Att_200_36h_SIMI	-81.82	10.23	16.15		16.16	0.000036	-0.51	185.21	88.60	0.08
Usciana_1	28	Att_100_36h_SIMI	-54.53	10.23	15.82		15.83	0.000023	-0.38	158.28	75.89	0.06
Usciana_1	28	Att_30_36h_SIMI	103.31	10.23	14.93		14.98	0.000195	0.99	104.64	35.59	0.18
Usciana_1	27.9		Lat Struct									
Usciana_1	27.5	Att_200_36h_SIMI	-71.08	10.16	16.16		16.17	0.000028	-0.44	181.96	71.67	0.07
Usciana_1	27.5	Att_100_36h_SIMI	-54.32	10.16	15.82		15.83	0.000025	-0.40	137.34	39.07	0.07
Usciana_1	27.5	Att_30_36h_SIMI	103.31	10.16	14.91		14.96	0.000203	1.00	103.28	35.45	0.19
Usciana_1	27.49		Lat Struct									
Usciana_1	27	Att_200_36h_SIMI	-65.37	10.08	16.16		16.17	0.000024	-0.40	187.16	64.86	0.07
Usciana_1	27	Att_100_36h_SIMI	-55.19	10.08	15.83		15.83	0.000026	-0.40	136.60	38.97	0.07
Usciana_1	27	Att_30_36h_SIMI	103.31	10.08	14.89		14.94	0.000213	1.01	101.91	35.32	0.19
Usciana_1	26	Att_200_36h_SIMI	-43.77	10.15	16.18		16.18	0.000008	-0.24	231.06	89.07	0.04
Usciana_1	26	Att_100_36h_SIMI	-54.64	10.15	15.83		15.84	0.000019	-0.35	181.65	64.62	0.06
Usciana_1	26	Att_30_36h_SIMI	103.31	10.15	14.85		14.90	0.000200	0.99	104.05	35.82	0.19
Usciana_1	25	Att_200_36h_SIMI	-9.26	9.88	16.18		16.18	0.000000	-0.05	261.85	91.03	0.01
Usciana_1	25	Att_100_36h_SIMI	-16.66	9.88	15.85		15.85	0.000001	-0.09	231.33	91.03	0.01
Usciana_1	25	Att_30_36h_SIMI	103.31	9.88	14.83		14.87	0.000142	0.88	117.69	37.36	0.16
Usciana_1	24	Att_200_36h_SIMI	9.74	10.05	16.18		16.18	0.000000	0.05	228.87	79.15	0.01
Usciana_1	24	Att_100_36h_SIMI	27.42	10.05	15.84		15.85	0.000004	0.16	202.14	79.15	0.03
Usciana_1	24	Att_30_36h_SIMI	103.31	10.05	14.79		14.84	0.000178	0.93	111.31	38.96	0.18
Usciana_1	23	Att_200_36h_SIMI	24.83	9.88	16.18		16.18	0.000002	0.13	247.46	98.48	0.02

HEC-RAS Profile: Max WS (Continued)

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
Usciana_1	23	Att_100_36h_SIMI	66.66	9.88	15.83		15.83	0.000021	0.39	212.70	97.98	0.06
Usciana_1	23	Att_30_36h_SIMI	103.31	9.88	14.76		14.80	0.000154	0.91	113.71	36.47	0.16
Usciana_1	22	Att_200_36h_SIMI	52.92	9.86	16.17		16.18	0.000011	0.29	205.51	78.51	0.05
Usciana_1	22	Att_100_36h_SIMI	118.20	9.86	15.77		15.80	0.000086	0.77	158.45	57.24	0.13
Usciana_1	22	Att_30_36h_SIMI	103.31	9.86	14.71		14.75	0.000167	0.93	111.66	37.27	0.17
Usciana_1	21	Att_200_36h_SIMI	229.31	9.77	16.03		16.09	0.000203	1.18	222.00	74.15	0.20
Usciana_1	21	Att_100_36h_SIMI	191.04	9.77	15.68		15.73	0.000198	1.11	196.77	71.31	0.19
Usciana_1	21	Att_30_36h_SIMI	103.31	9.77	14.67		14.71	0.000193	0.93	111.45	41.55	0.18
Usciana_2	20	Att_200_36h_SIMI	251.57	9.77	16.03		16.11	0.000244	1.30	222.00	74.15	0.21
Usciana_2	20	Att_100_36h_SIMI	217.59	9.77	15.68		15.75	0.000257	1.26	196.77	71.31	0.22
Usciana_2	20	Att_30_36h_SIMI	107.43	9.77	14.67		14.71	0.000209	0.96	111.45	41.55	0.19
Usciana_2	19.6	Att_200_36h_SIMI	251.57	10.00	16.00		16.10	0.000260	1.40	196.73	63.30	0.22
Usciana_2	19.6	Att_100_36h_SIMI	217.58	10.00	15.64		15.74	0.000280	1.38	157.89	42.45	0.23
Usciana_2	19.6	Att_30_36h_SIMI	107.43	10.00	14.66		14.71	0.000162	0.91	117.83	39.35	0.17
Usciana_2	19.5	Att_200_36h_SIMI	251.57	10.16	15.98		16.09	0.000263	1.44	184.04	57.25	0.22
Usciana_2	19.5	Att_100_36h_SIMI	217.58	10.16	15.63		15.73	0.000262	1.37	158.49	40.38	0.22
Usciana_2	19.5	Att_30_36h_SIMI	107.43	10.16	14.66		14.70	0.000145	0.89	120.18	37.96	0.16
Usciana_2	19.49		Lat Struct									
Usciana_2	19.3	Att_200_36h_SIMI	271.08	10.22	15.94		16.07	0.000316	1.58	177.60	54.66	0.24
Usciana_2	19.3	Att_100_36h_SIMI	232.09	10.22	15.60		15.71	0.000301	1.48	157.12	39.53	0.24
Usciana_2	19.3	Att_30_36h_SIMI	107.43	10.22	14.66		14.70	0.000141	0.89	120.72	37.34	0.16
Usciana_2	19	Att_200_36h_SIMI	271.08	10.45	15.91		16.05	0.000352	1.64	165.03	36.46	0.25
Usciana_2	19	Att_100_36h_SIMI	232.09	10.45	15.58		15.70	0.000324	1.52	153.01	36.08	0.24
Usciana_2	19	Att_30_36h_SIMI	107.43	10.45	14.65		14.69	0.000142	0.90	119.97	34.49	0.15
Usciana_2	18	Att_200_36h_SIMI	271.08	10.45	15.91	12.77	16.05	0.000352	1.64	164.99	36.46	0.25
Usciana_2	18	Att_100_36h_SIMI	232.09	10.45	15.58	12.56	15.70	0.000324	1.52	152.98	36.08	0.24
Usciana_2	18	Att_30_36h_SIMI	107.43	10.45	14.65	11.79	14.69	0.000142	0.90	119.98	34.48	0.15

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	17.5		Bridge									
Usciana_2	17	Att_200_36h_SIMI	271.08	10.45	15.89		16.03	0.000358	1.65	164.18	36.43	0.25
Usciana_2	17	Att_100_36h_SIMI	232.09	10.45	15.57		15.68	0.000327	1.52	152.41	36.06	0.24
Usciana_2	17	Att_30_36h_SIMI	107.43	10.45	14.65		14.69	0.000143	0.90	119.83	34.47	0.15
Usciana_2	16	Att_200_36h_SIMI	271.08	10.45	15.89		16.03	0.000358	1.65	164.07	36.43	0.25
Usciana_2	16	Att_100_36h_SIMI	232.09	10.45	15.56		15.68	0.000328	1.52	152.31	36.06	0.24
Usciana_2	16	Att_30_36h_SIMI	107.43	10.45	14.65		14.69	0.000143	0.90	119.77	34.46	0.15
Usciana_2	15.5	Att_200_36h_SIMI	271.08	10.00	15.78	13.22	15.94	0.000491	1.77	152.89	42.61	0.30
Usciana_2	15.5	Att_100_36h_SIMI	232.09	10.00	15.46	12.98	15.60	0.000471	1.66	139.40	41.45	0.29
Usciana_2	15.5	Att_30_36h_SIMI	107.43	10.00	14.60	11.78	14.65	0.000231	1.02	105.07	38.33	0.20
Usciana_2	15.4		Inl Struct									
Usciana_2	15	Att_200_36h_SIMI	271.08	9.25	15.70		15.83	0.000336	1.56	173.50	42.97	0.25
Usciana_2	15	Att_100_36h_SIMI	232.09	9.25	15.39		15.49	0.000310	1.45	160.13	41.77	0.24
Usciana_2	15	Att_30_36h_SIMI	107.43	9.25	14.57		14.60	0.000129	0.85	127.07	38.65	0.15
Usciana_2	14	Att_200_36h_SIMI	271.08	9.65	15.58		15.73	0.000428	1.69	160.43	43.00	0.28
Usciana_2	14	Att_100_36h_SIMI	232.09	9.65	15.28		15.40	0.000402	1.57	147.40	41.99	0.27
Usciana_2	14	Att_30_36h_SIMI	107.43	9.65	14.52		14.56	0.000172	0.92	116.59	39.50	0.17
Usciana_2	13	Att_200_36h_SIMI	271.08	9.65	15.58	12.72	15.73	0.000429	1.69	160.34	43.00	0.28
Usciana_2	13	Att_100_36h_SIMI	232.09	9.65	15.27	12.43	15.40	0.000403	1.58	147.31	41.99	0.27
Usciana_2	13	Att_30_36h_SIMI	107.43	9.65	14.52	11.31	14.56	0.000172	0.92	116.57	39.50	0.17
Usciana_2	12.5		Bridge									
Usciana_2	12	Att_200_36h_SIMI	271.08	9.65	15.58		15.72	0.000431	1.69	160.13	42.98	0.28
Usciana_2	12	Att_100_36h_SIMI	232.09	9.65	15.27		15.40	0.000404	1.58	147.12	41.97	0.27
Usciana_2	12	Att_30_36h_SIMI	107.43	9.65	14.52		14.56	0.000173	0.92	116.49	39.49	0.17
Usciana_2	11	Att_200_36h_SIMI	271.08	9.65	15.57		15.72	0.000431	1.69	160.04	42.97	0.28
Usciana_2	11	Att_100_36h_SIMI	232.09	9.65	15.27		15.39	0.000405	1.58	147.03	41.96	0.27
Usciana_2	11	Att_30_36h_SIMI	107.43	9.65	14.52		14.56	0.000173	0.92	116.46	39.49	0.17

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	10	Att_200_36h_SIMI	271.08	8.93	15.54		15.66	0.000323	1.53	176.77	43.56	0.24
Usciana_2	10	Att_100_36h_SIMI	232.08	8.93	15.23		15.34	0.000296	1.42	163.69	42.60	0.23
Usciana_2	10	Att_30_36h_SIMI	107.43	8.93	14.50		14.54	0.000116	0.81	133.39	40.29	0.14
Usciana_2	9	Att_200_36h_SIMI	271.08	9.05	15.47		15.60	0.000353	1.58	171.24	43.13	0.25
Usciana_2	9	Att_100_36h_SIMI	232.08	9.05	15.17		15.28	0.000324	1.46	158.53	42.25	0.24
Usciana_2	9	Att_30_36h_SIMI	107.43	9.05	14.48		14.52	0.000125	0.83	129.96	40.23	0.15
Usciana_2	8	Att_200_36h_SIMI	271.07	9.06	15.38		15.51	0.000357	1.58	171.06	43.60	0.26
Usciana_2	8	Att_100_36h_SIMI	232.09	9.06	15.09		15.20	0.000327	1.46	158.54	42.73	0.24
Usciana_2	8	Att_30_36h_SIMI	107.43	9.06	14.45		14.48	0.000121	0.81	131.82	40.83	0.14
Usciana_2	7	Att_200_36h_SIMI	271.07	9.61	15.19		15.37	0.000575	1.89	143.78	40.91	0.32
Usciana_2	7	Att_100_36h_SIMI	232.08	9.61	14.92		15.07	0.000532	1.75	132.76	40.00	0.31
Usciana_2	7	Att_30_36h_SIMI	107.43	9.61	14.39		14.44	0.000181	0.96	112.46	37.34	0.18
Usciana_2	6	Att_200_36h_SIMI	271.07	9.61	15.19	12.91	15.37	0.000577	1.89	143.58	40.88	0.32
Usciana_2	6	Att_100_36h_SIMI	232.08	9.61	14.91	12.69	15.07	0.000534	1.75	132.58	39.92	0.31
Usciana_2	6	Att_30_36h_SIMI	107.43	9.61	14.39	11.49	14.44	0.000181	0.96	112.40	37.29	0.18
Usciana_2	5.5		Bridge									
Usciana_2	5	Att_200_36h_SIMI	271.07	9.61	15.18		15.36	0.000581	1.89	143.32	40.86	0.32
Usciana_2	5	Att_100_36h_SIMI	232.08	9.61	14.91		15.06	0.000537	1.75	132.34	39.90	0.31
Usciana_2	5	Att_30_36h_SIMI	107.43	9.61	14.39		14.44	0.000181	0.96	112.32	37.28	0.18
Usciana_2	4	Att_200_36h_SIMI	271.07	9.61	15.18		15.36	0.000581	1.89	143.26	40.86	0.32
Usciana_2	4	Att_100_36h_SIMI	232.08	9.61	14.91		15.06	0.000538	1.75	132.29	39.96	0.31
Usciana_2	4	Att_30_36h_SIMI	107.43	9.61	14.39		14.43	0.000181	0.96	112.31	37.32	0.18
Usciana_2	3	Att_200_36h_SIMI	271.08	8.67	15.07		15.23	0.000474	1.75	155.24	43.19	0.29
Usciana_2	3	Att_100_36h_SIMI	232.08	8.67	14.81		14.94	0.000435	1.61	143.94	42.41	0.28
Usciana_2	3	Att_30_36h_SIMI	107.43	8.67	14.36		14.40	0.000142	0.86	125.09	41.08	0.16
Usciana_2	2	Att_200_36h_SIMI	271.07	9.06	14.98		15.14	0.000513	1.79	151.31	43.14	0.31
Usciana_2	2	Att_100_36h_SIMI	232.09	9.06	14.72		14.86	0.000470	1.65	140.38	42.38	0.29

HEC-RAS Profile: Max WS (Continued)

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
Usciana_2	2	Att_30_36h_SIMI	107.43	9.06	14.33		14.37	0.000146	0.87	124.03	41.21	0.16
Usciana_2	1	Att_200_36h_SIMI	270.17	9.28	14.90	12.72	15.07	0.000597	1.83	147.76	46.72	0.33
Usciana_2	1	Att_100_36h_SIMI	226.08	9.28	14.65	12.48	14.79	0.000523	1.66	136.26	45.18	0.30
Usciana_2	1	Att_30_36h_SIMI	99.17	9.28	14.31	11.37	14.34	0.000141	0.82	121.22	43.48	0.16

Scenario D

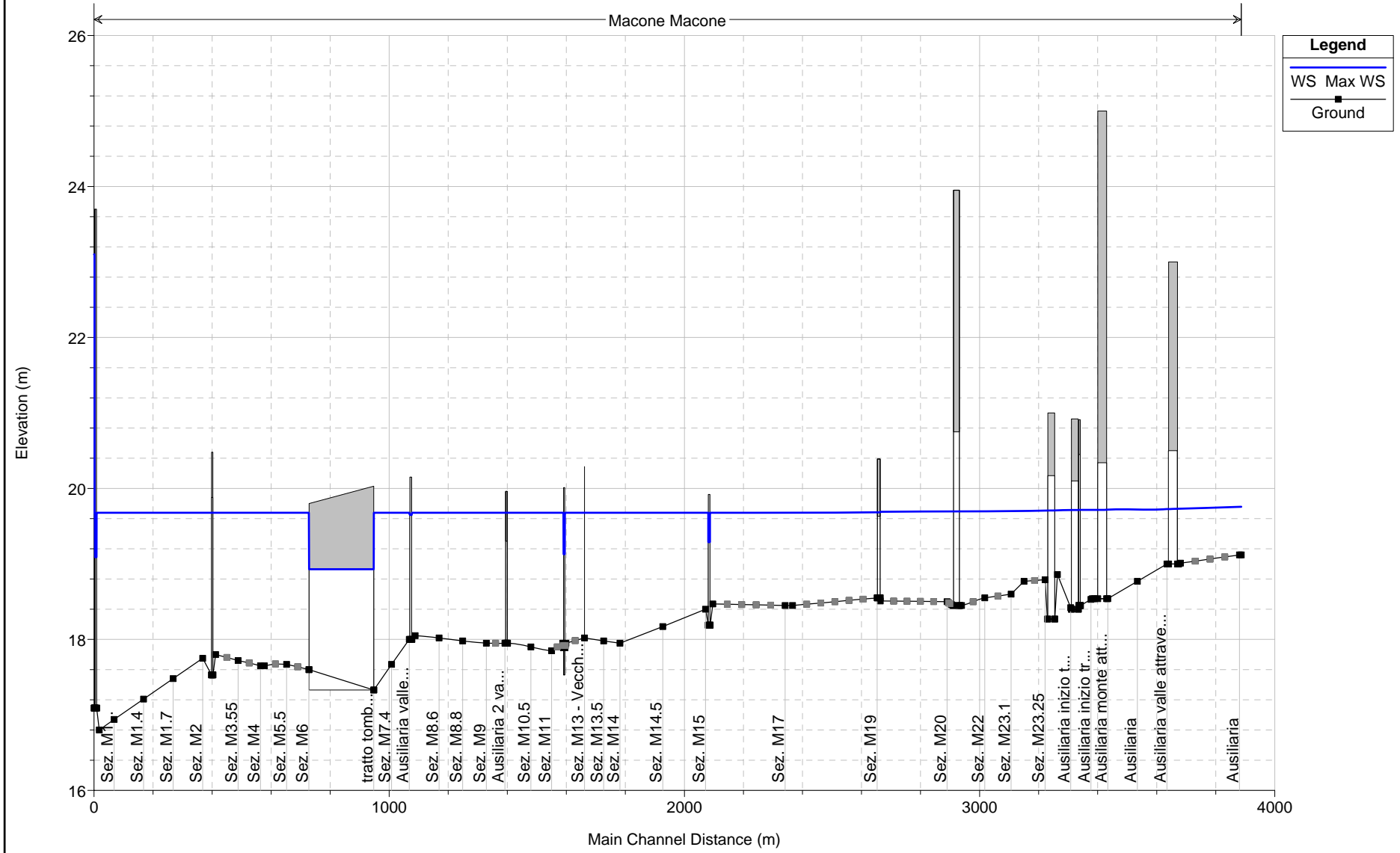
Tr 30 anni

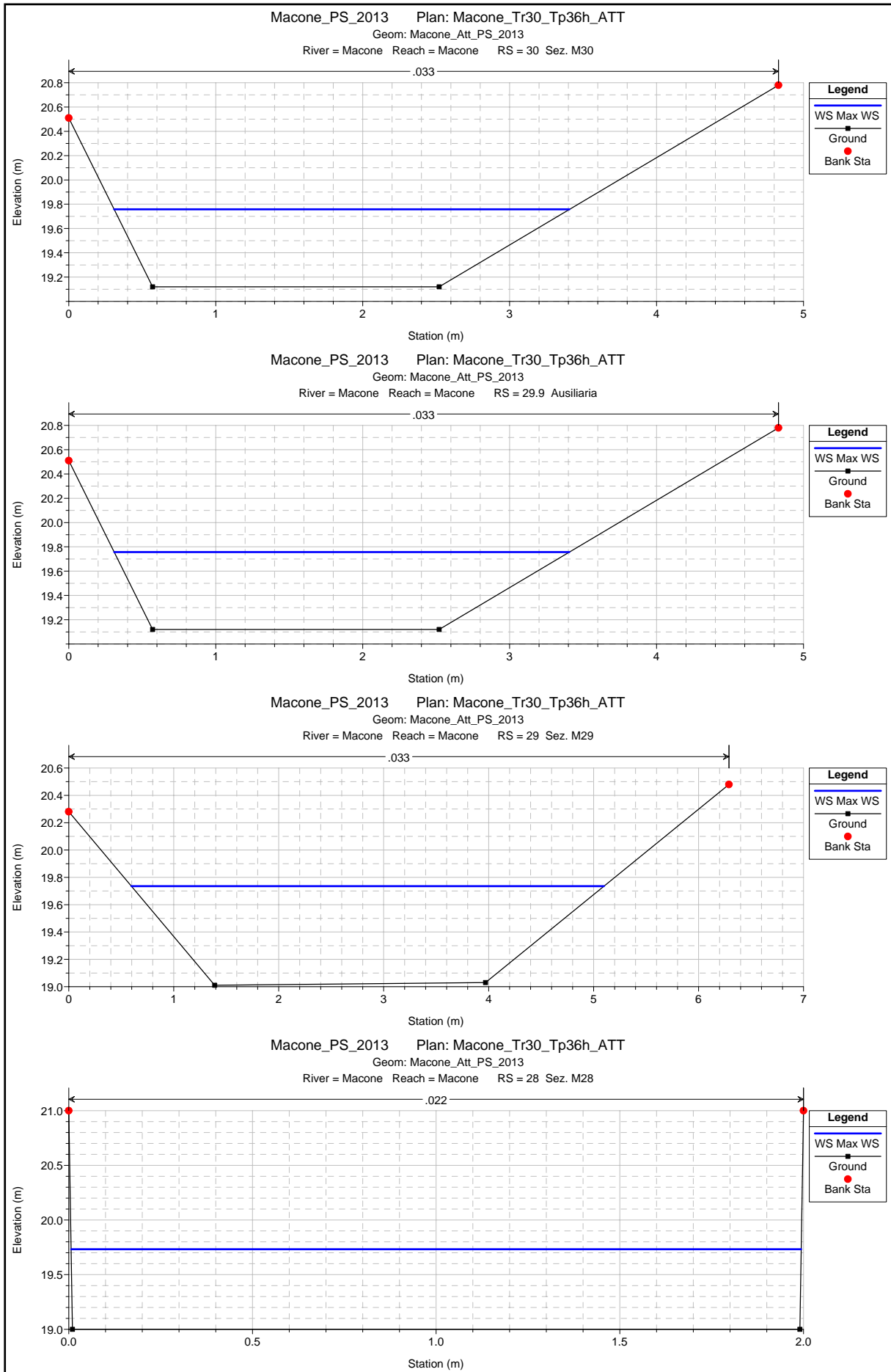
RIO MACONE

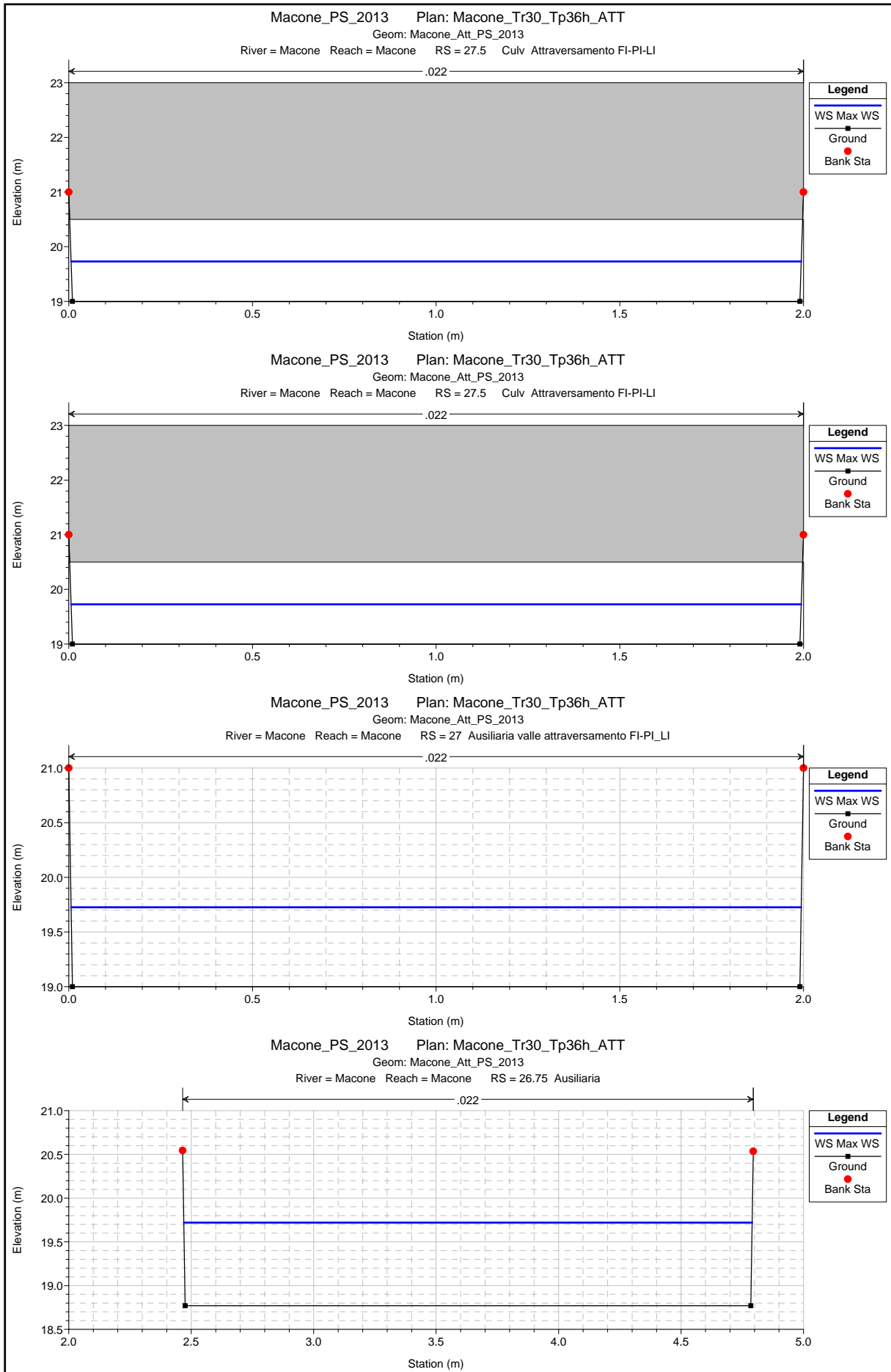
- **Profili**
- **Sezioni**
- **Tabelle di Output**

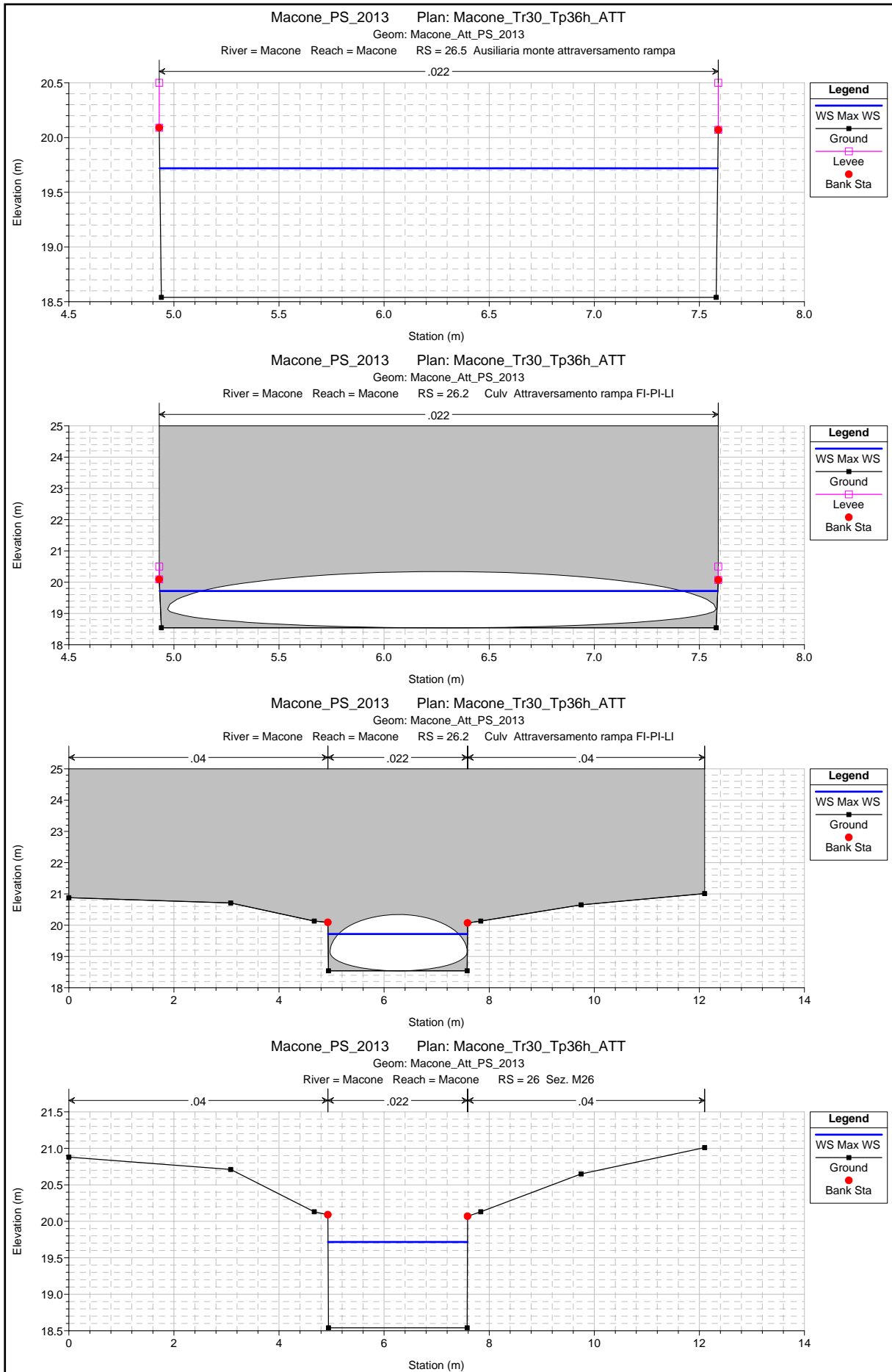
Macone_PS_2013 Plan: Macone_Tr30_Tp36h_ATT

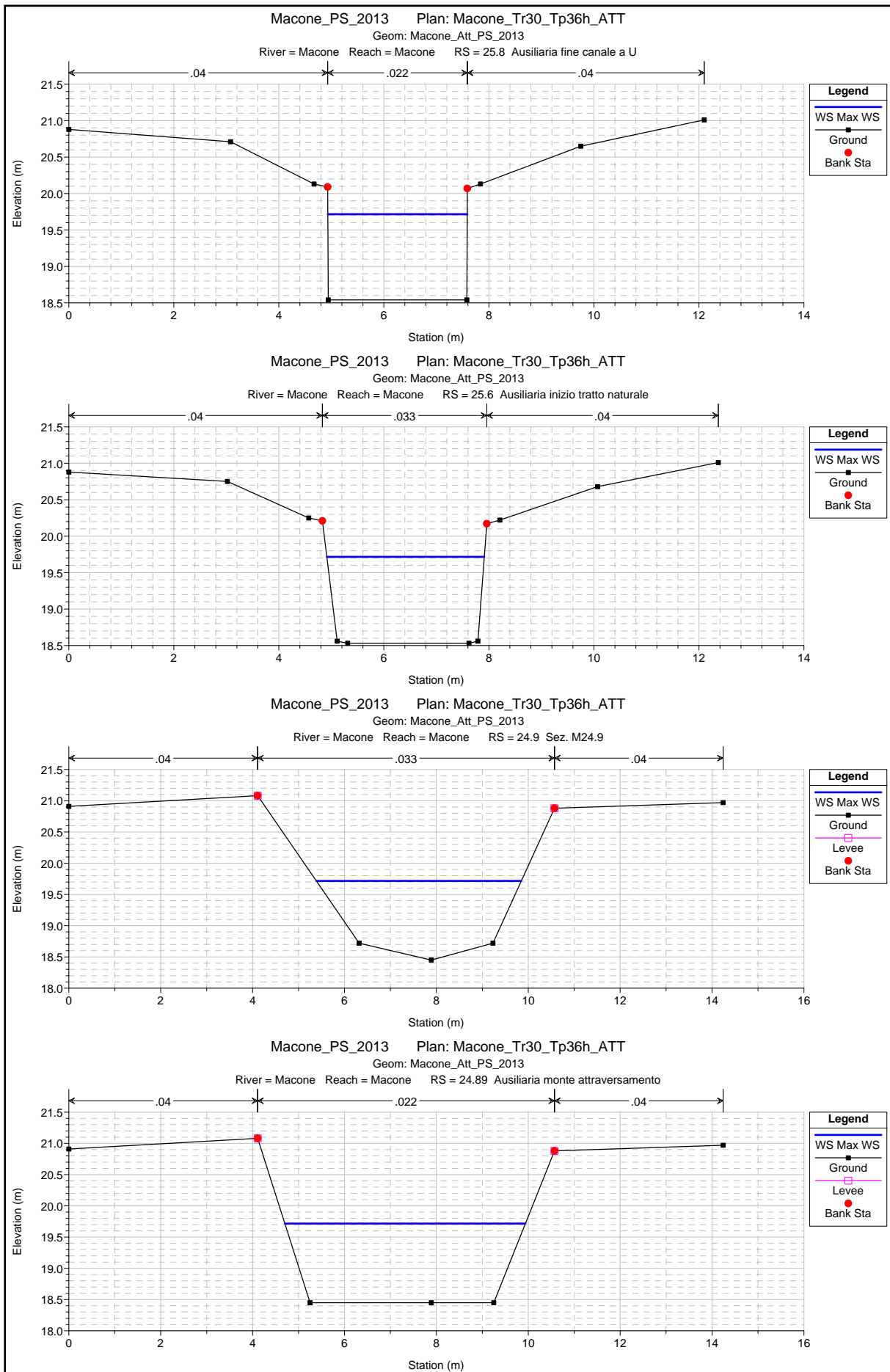
Geom: Macone_Att_PS_2013

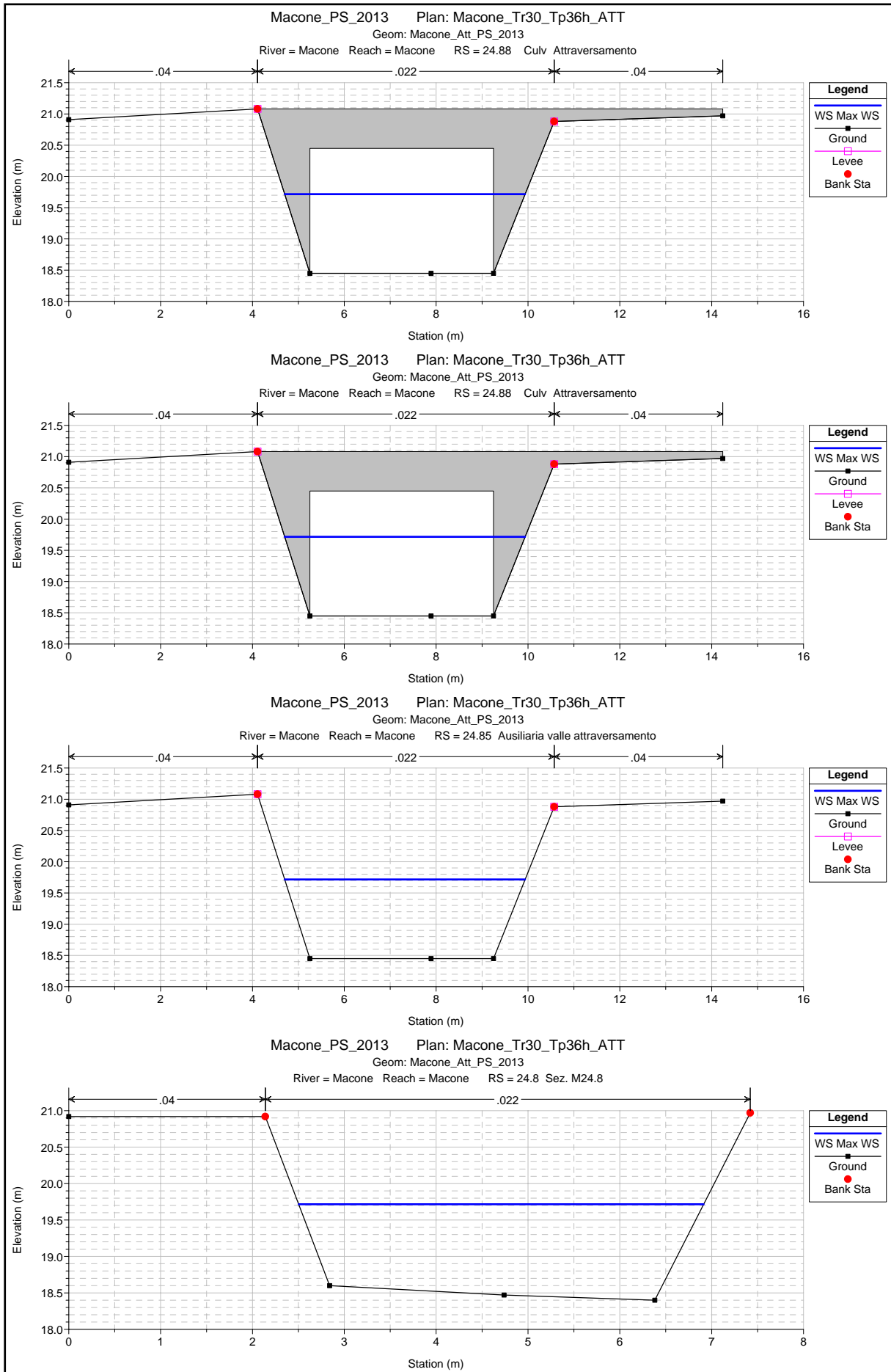


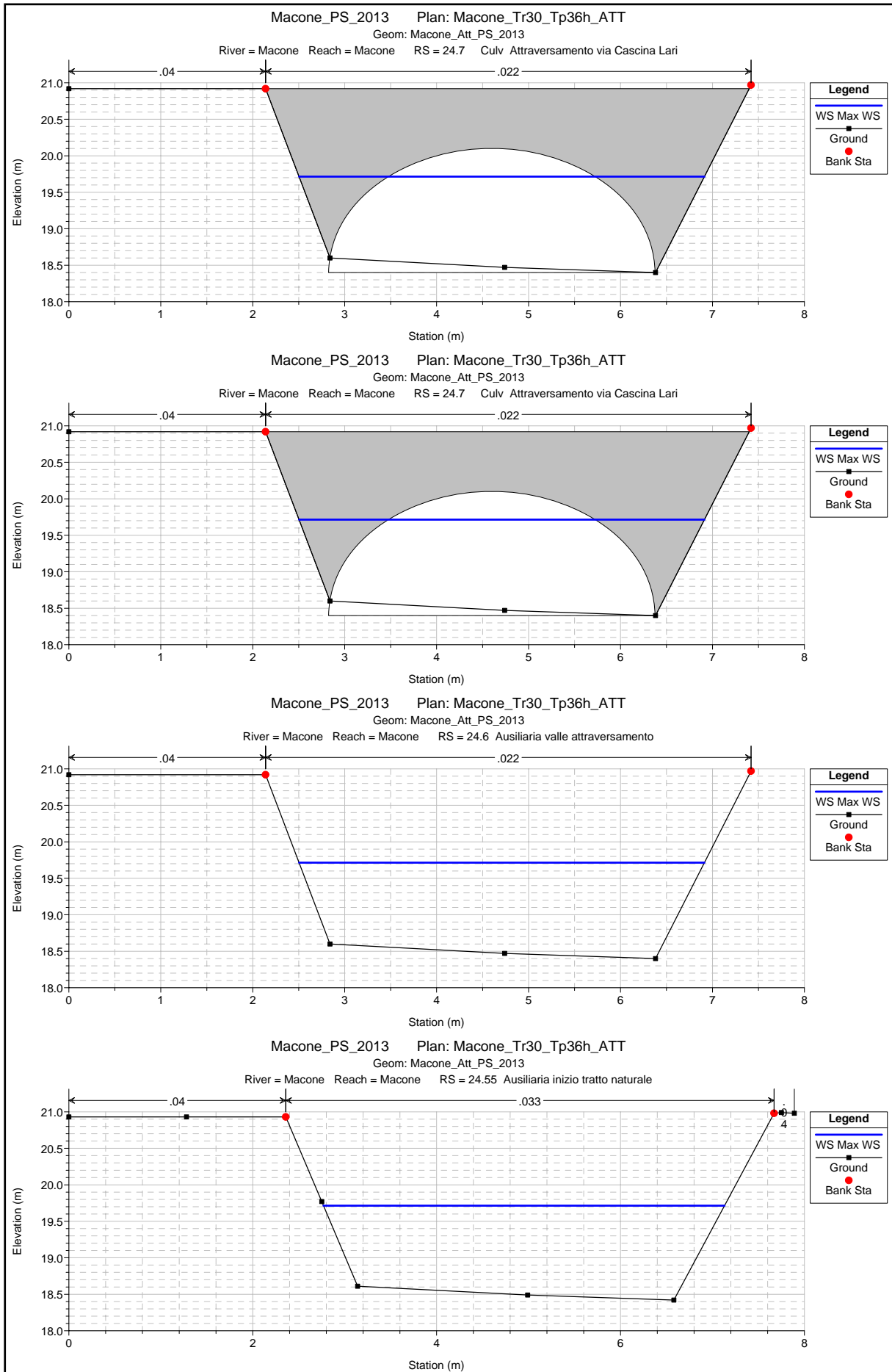


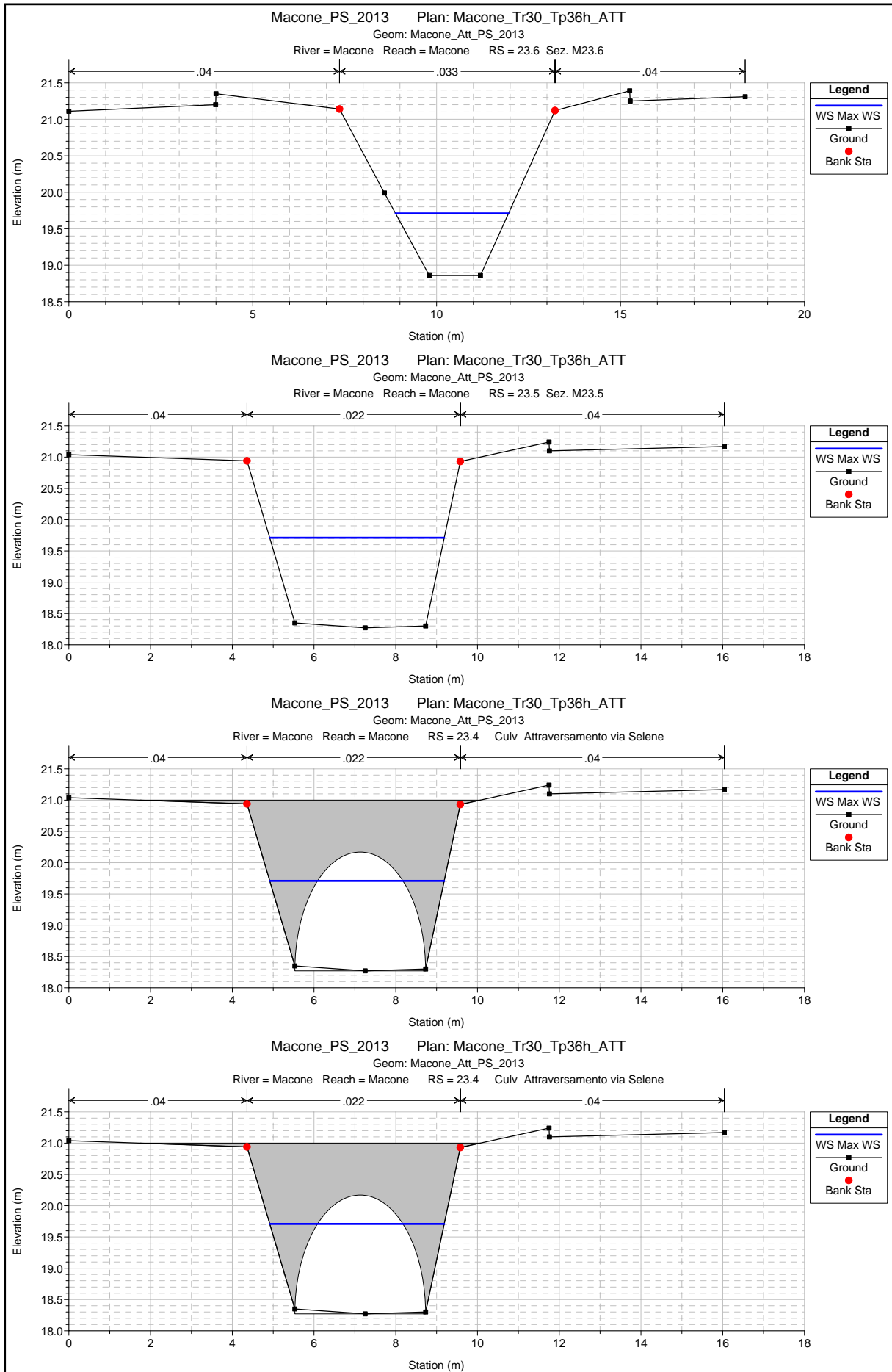


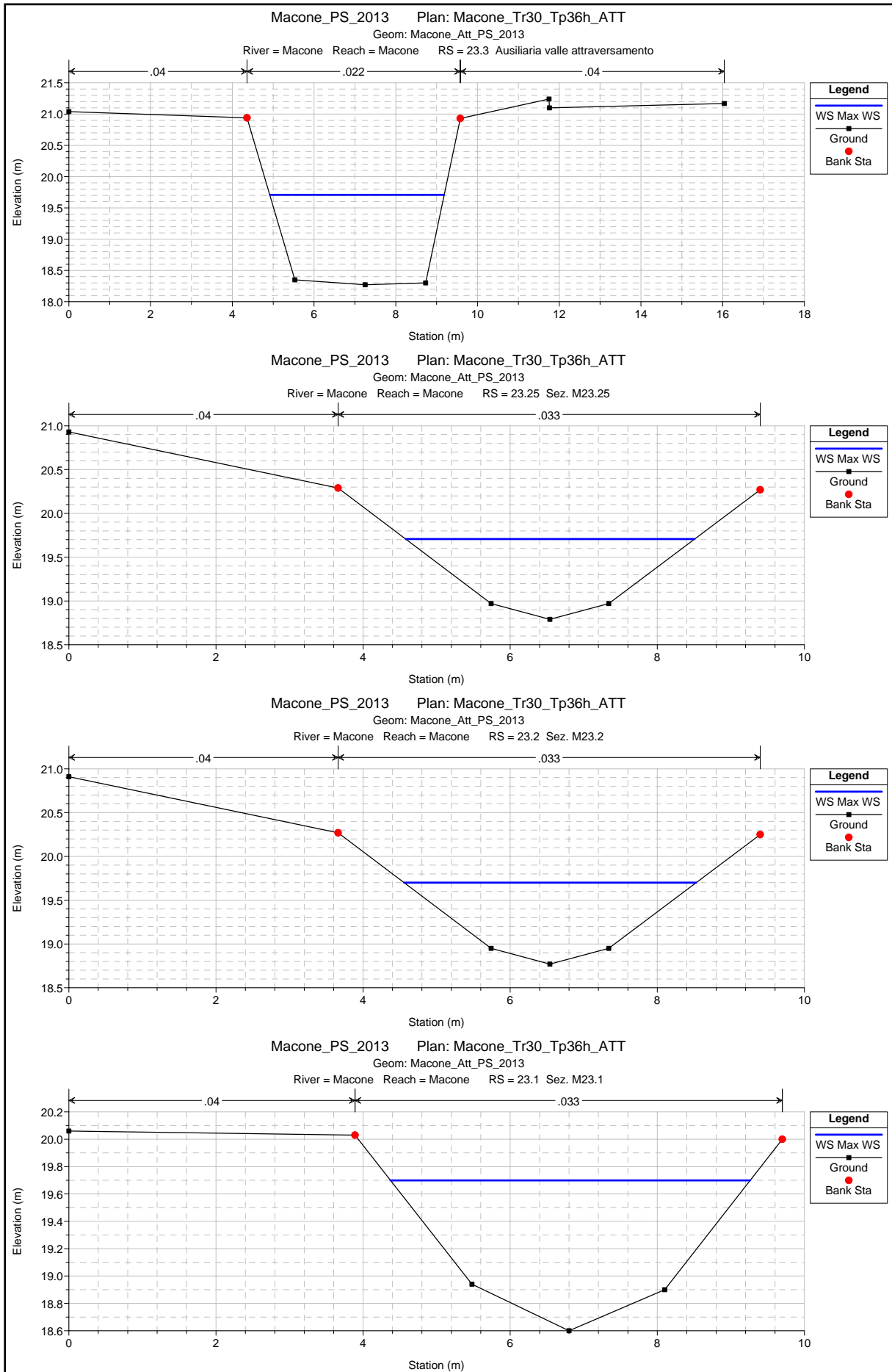


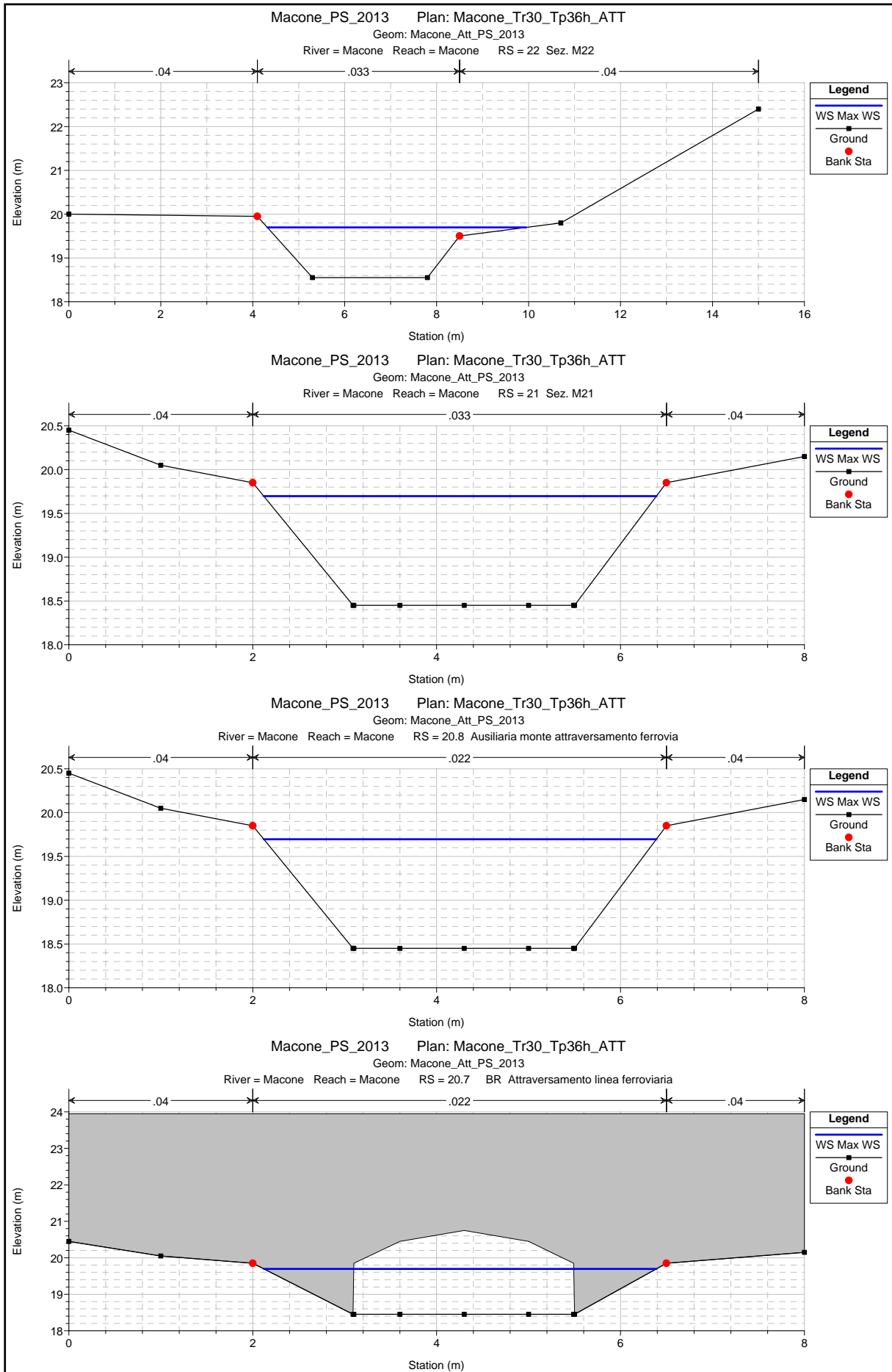


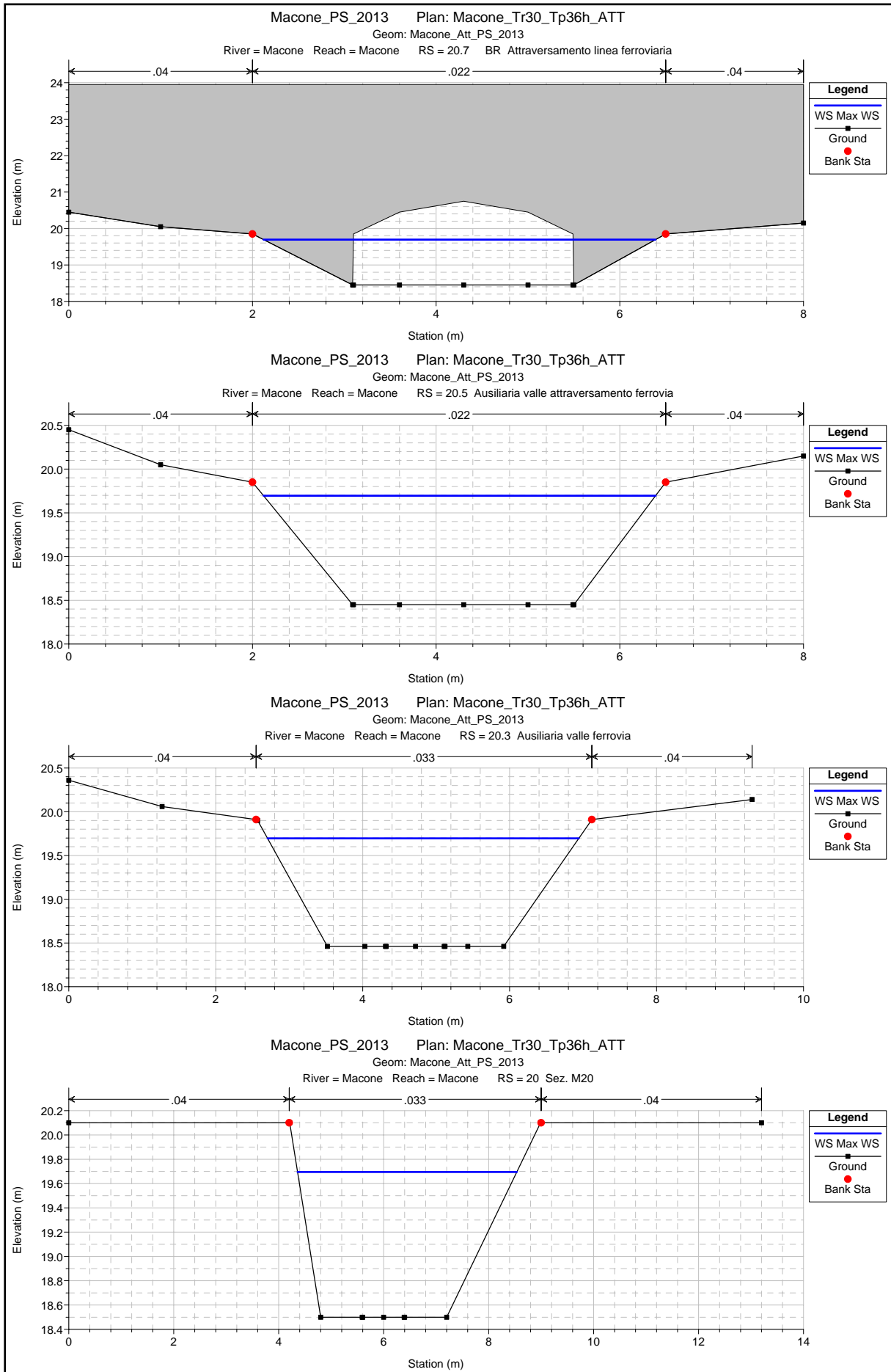


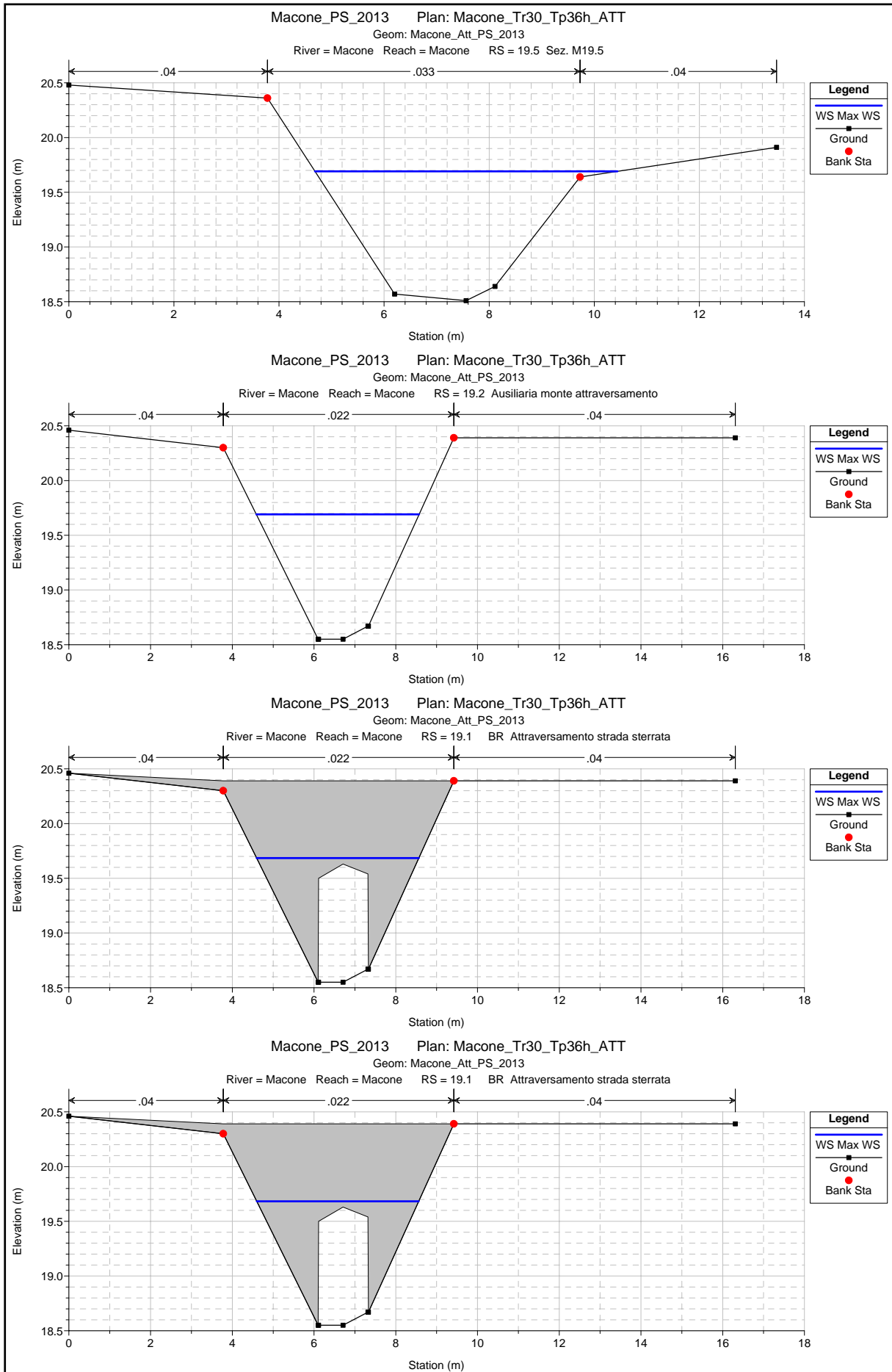


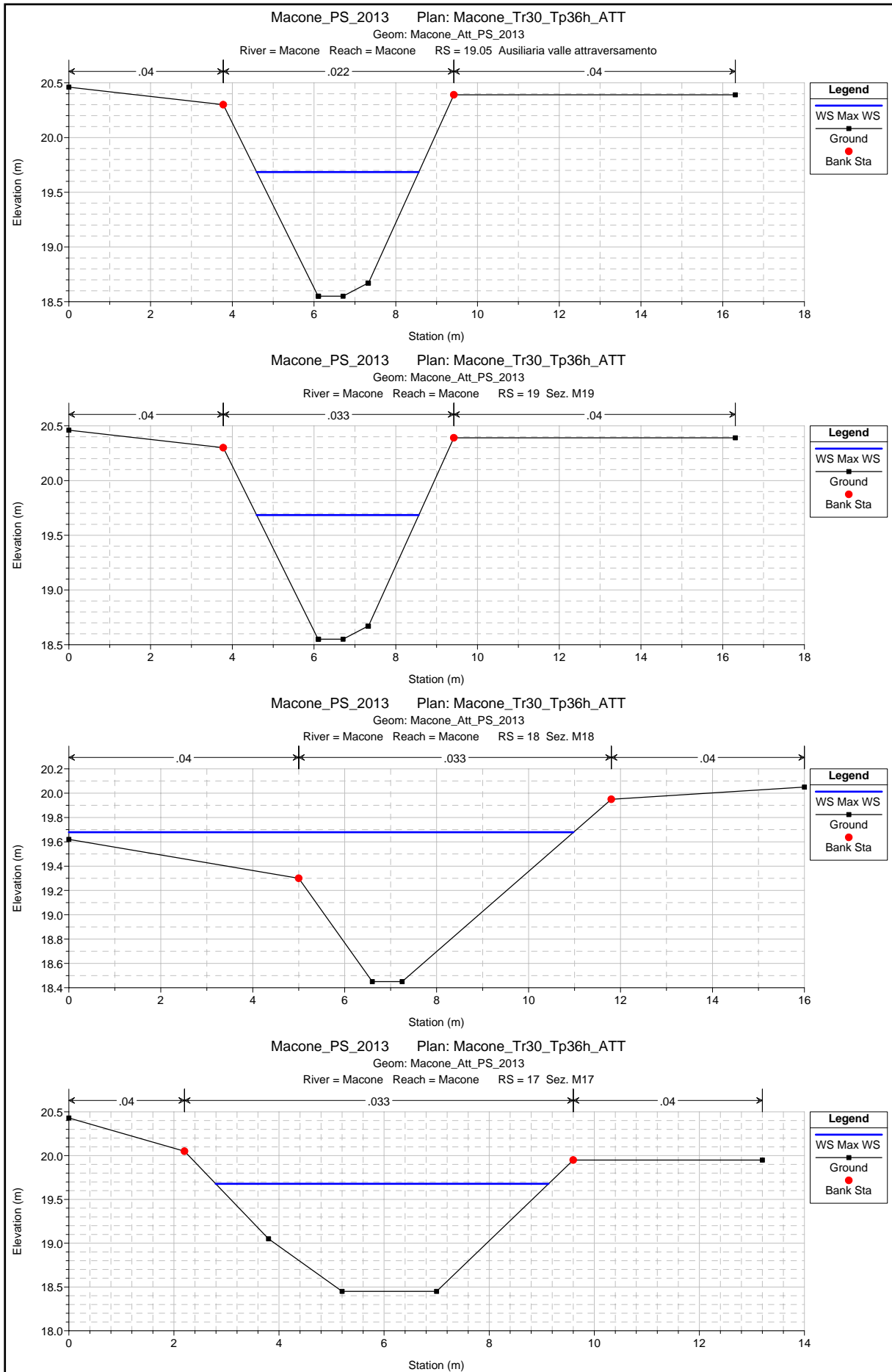


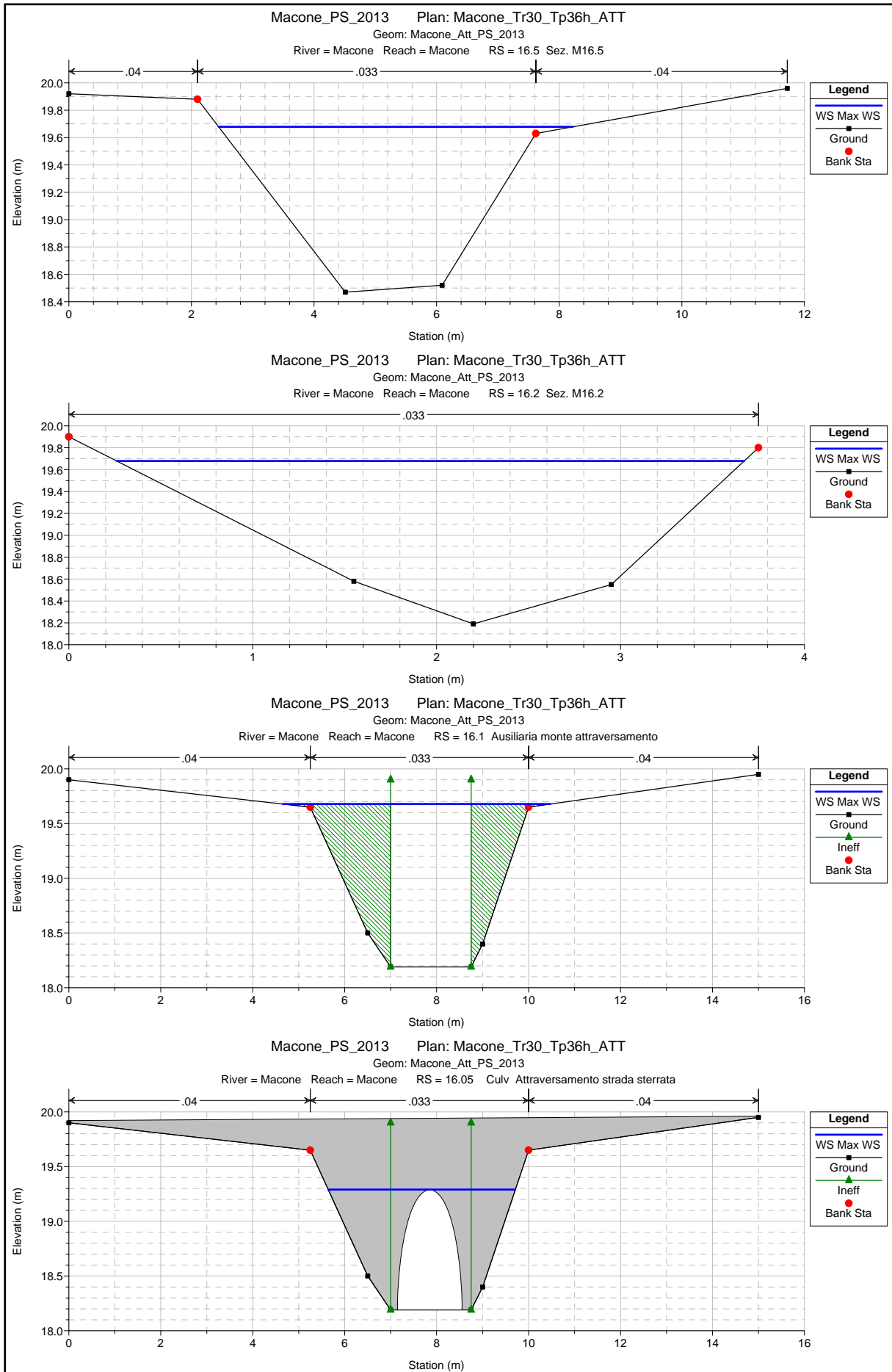


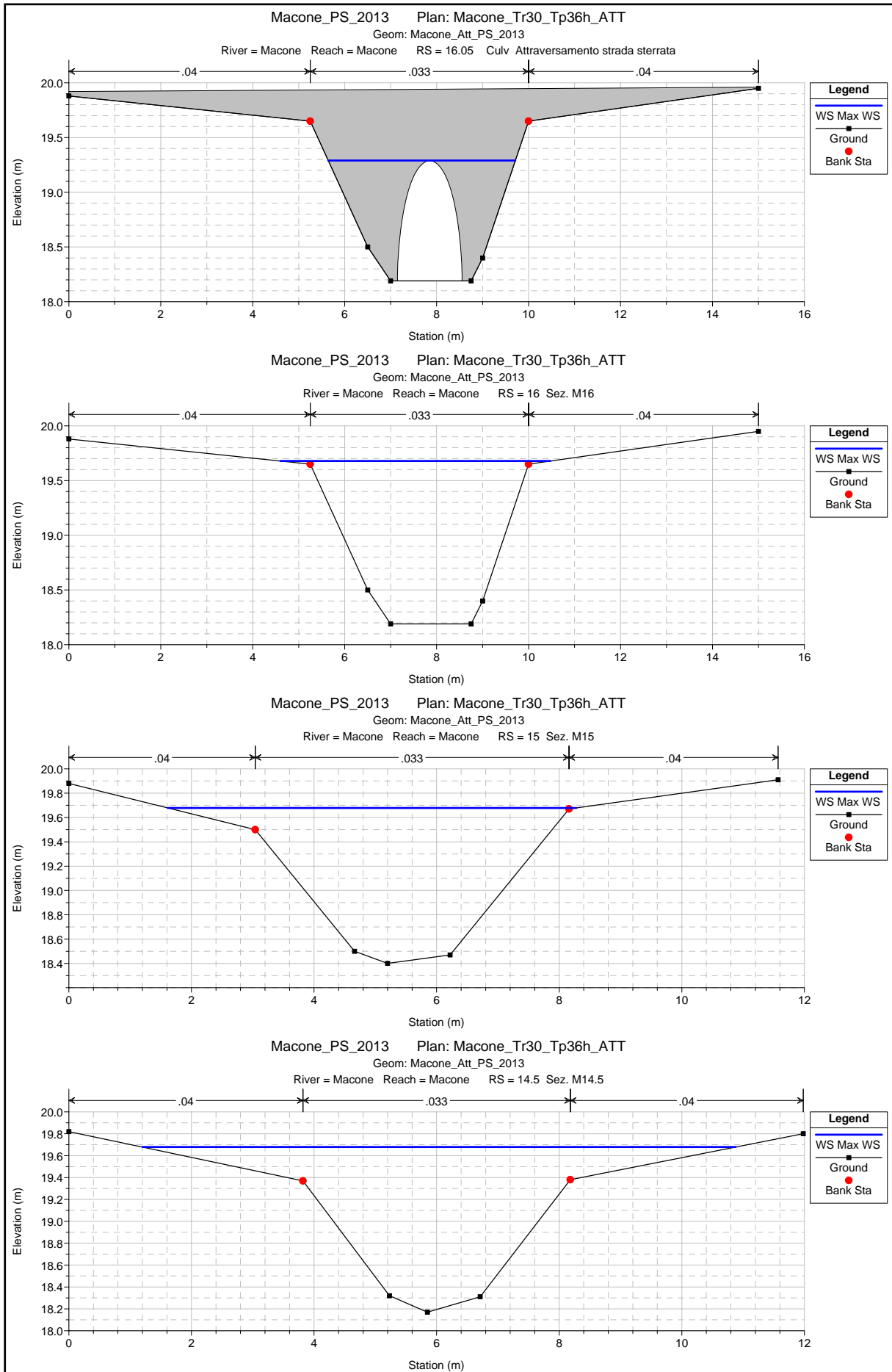


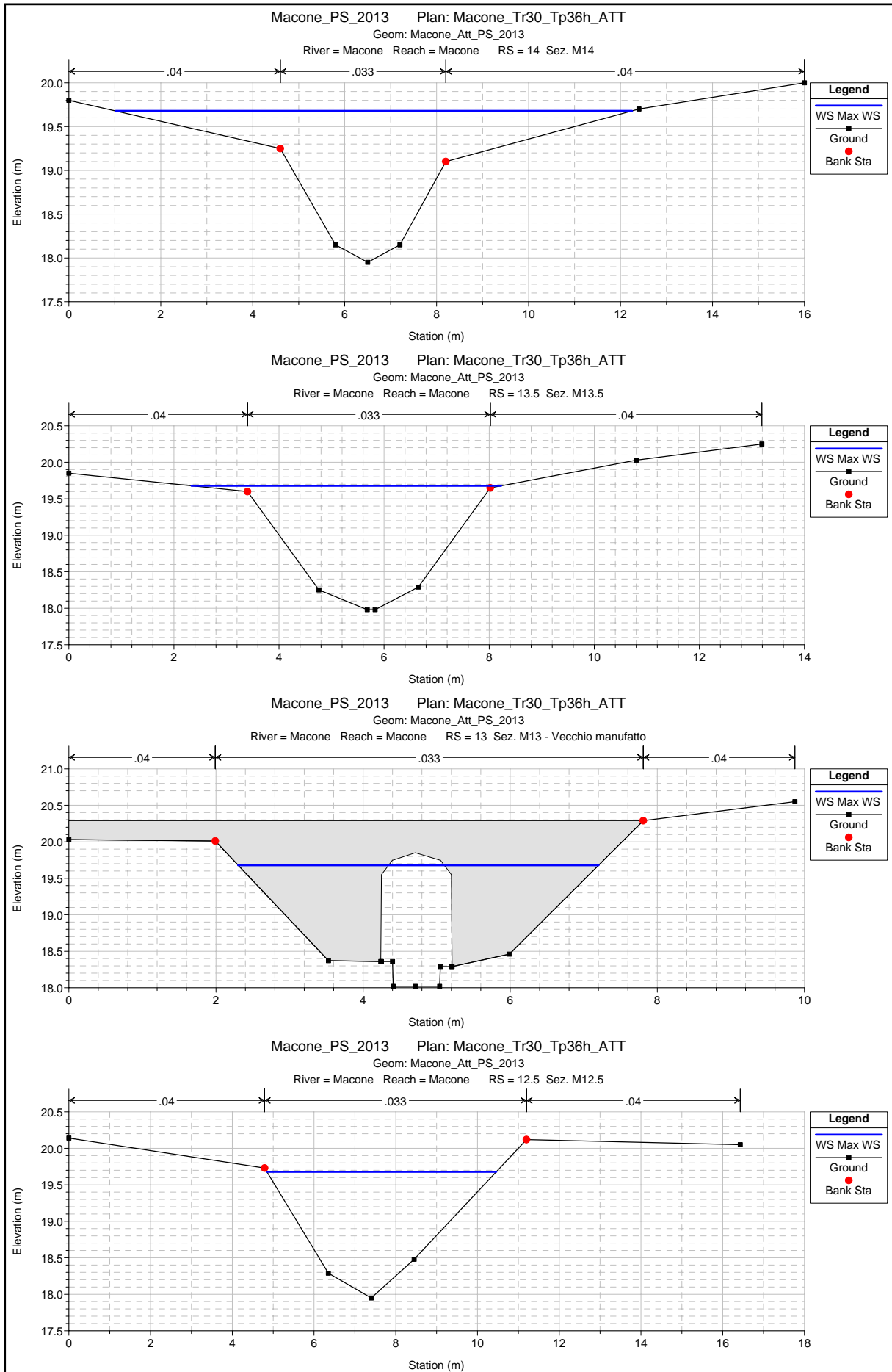


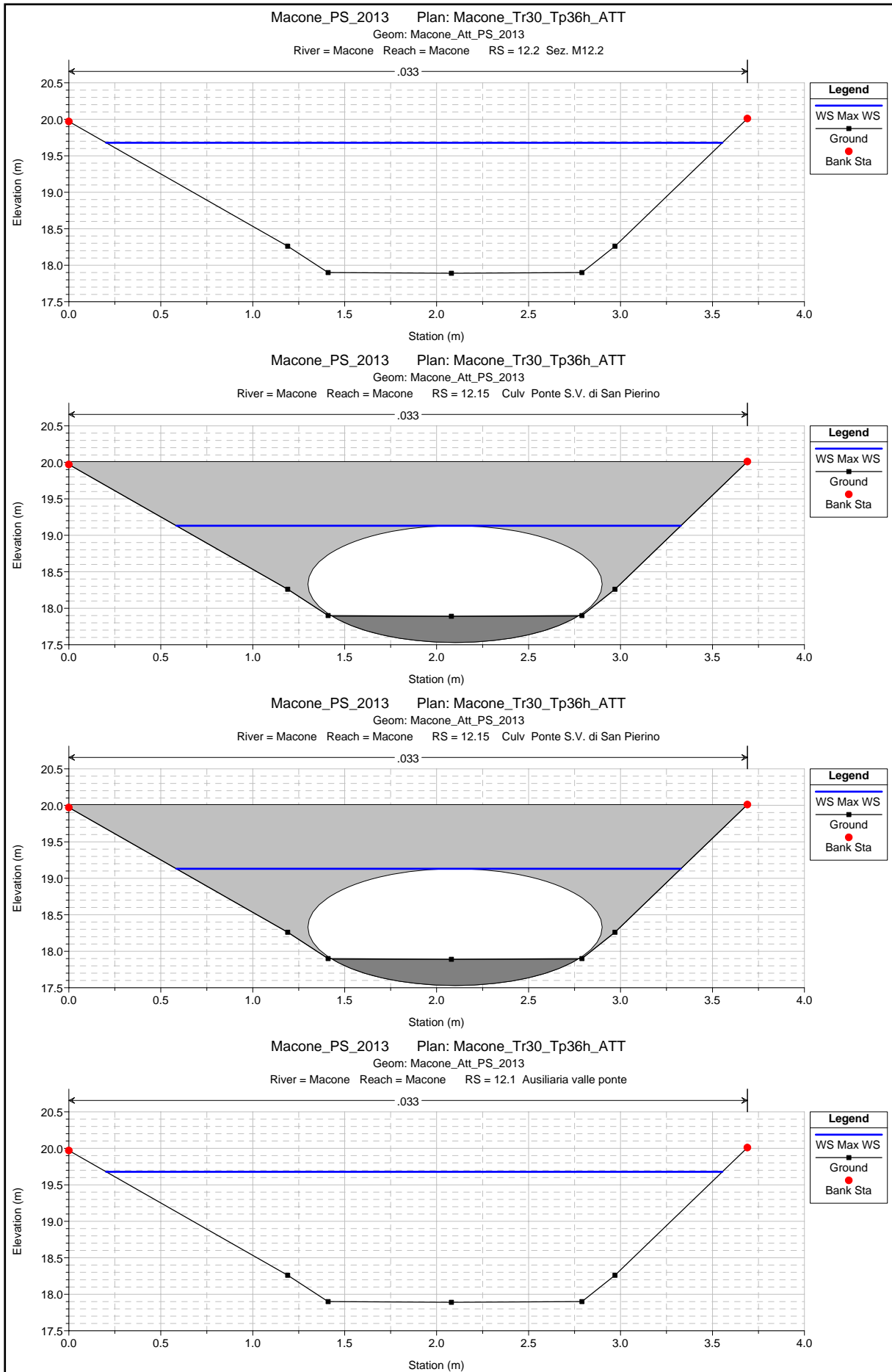


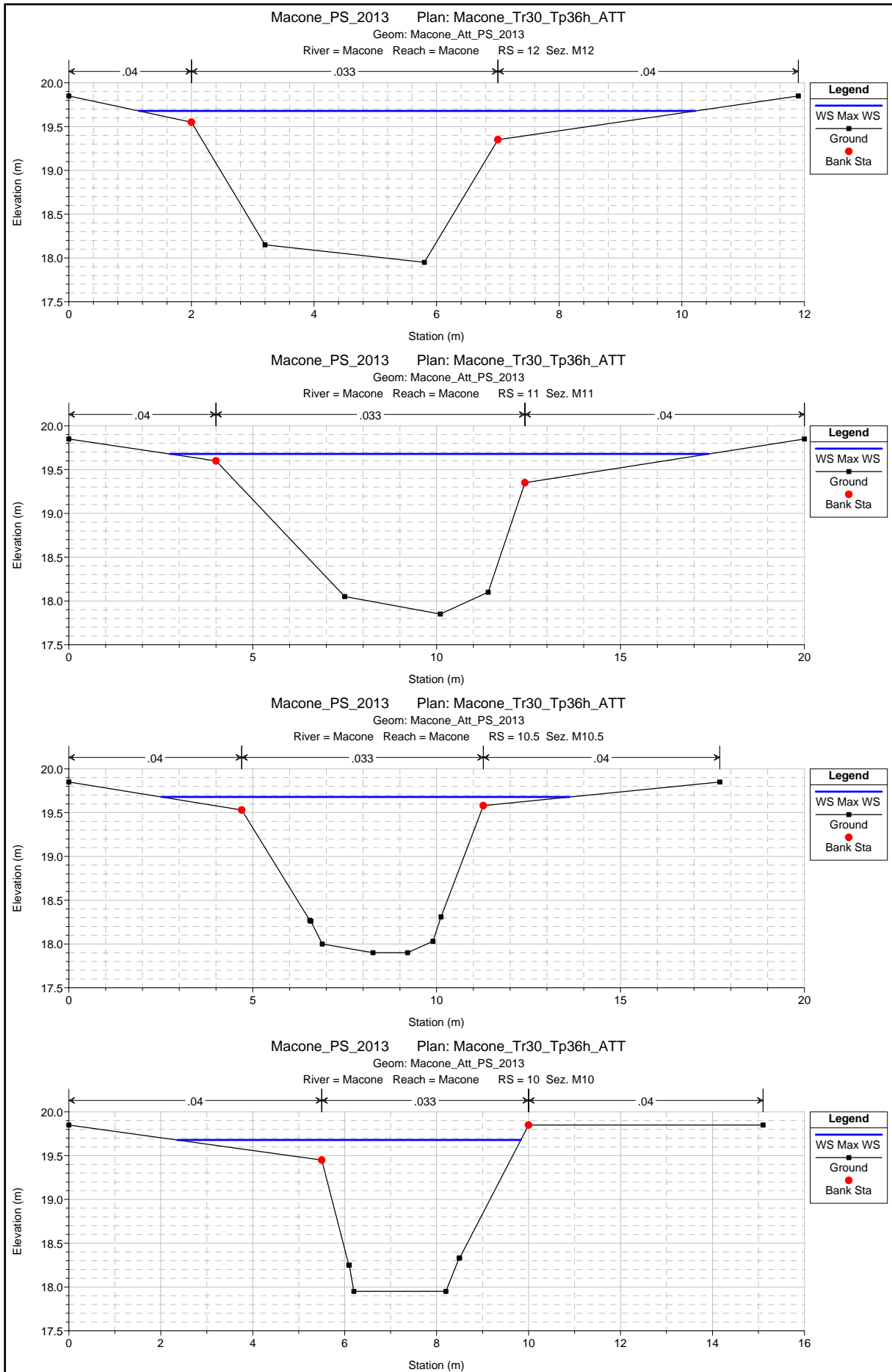


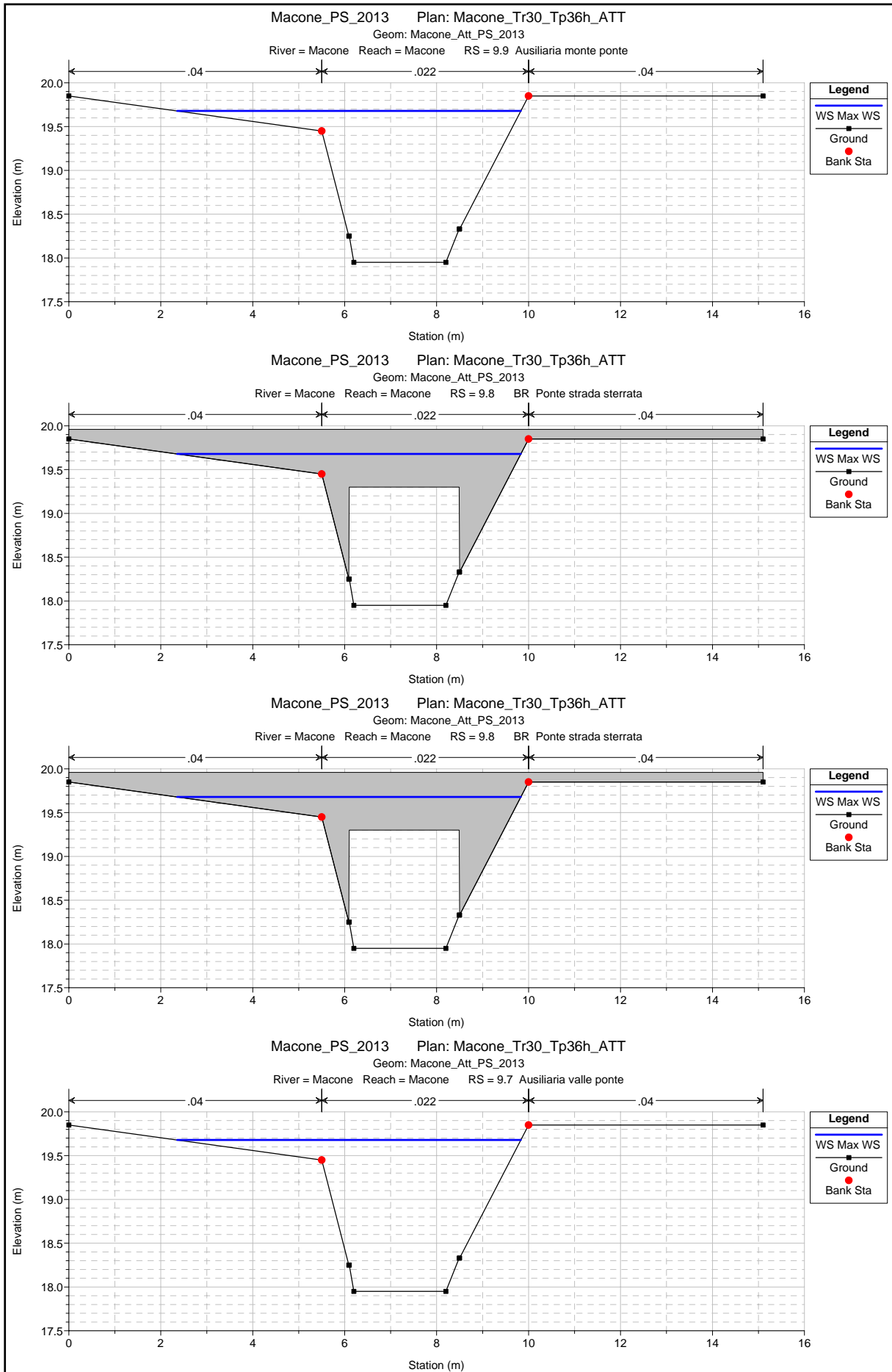


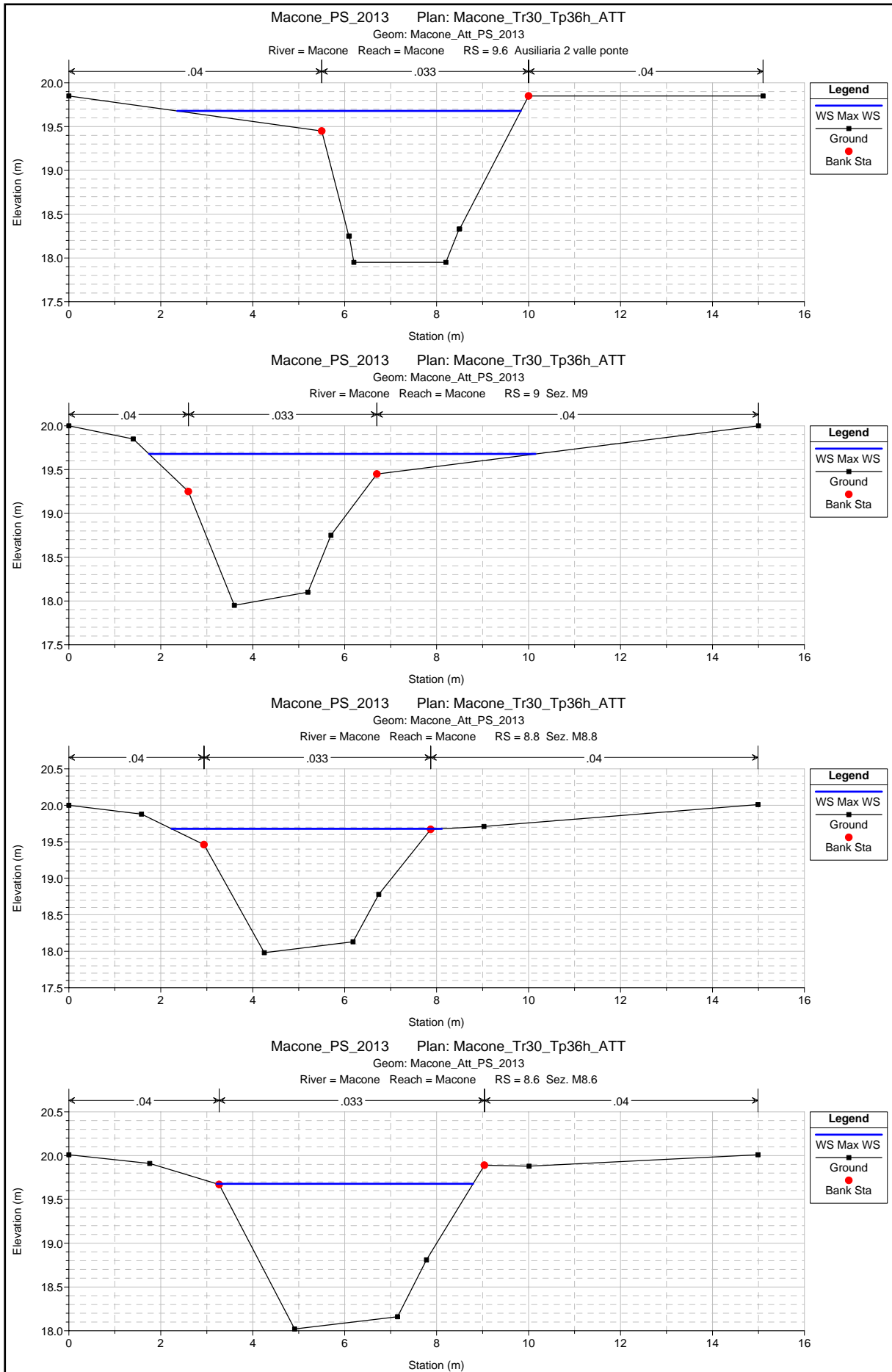


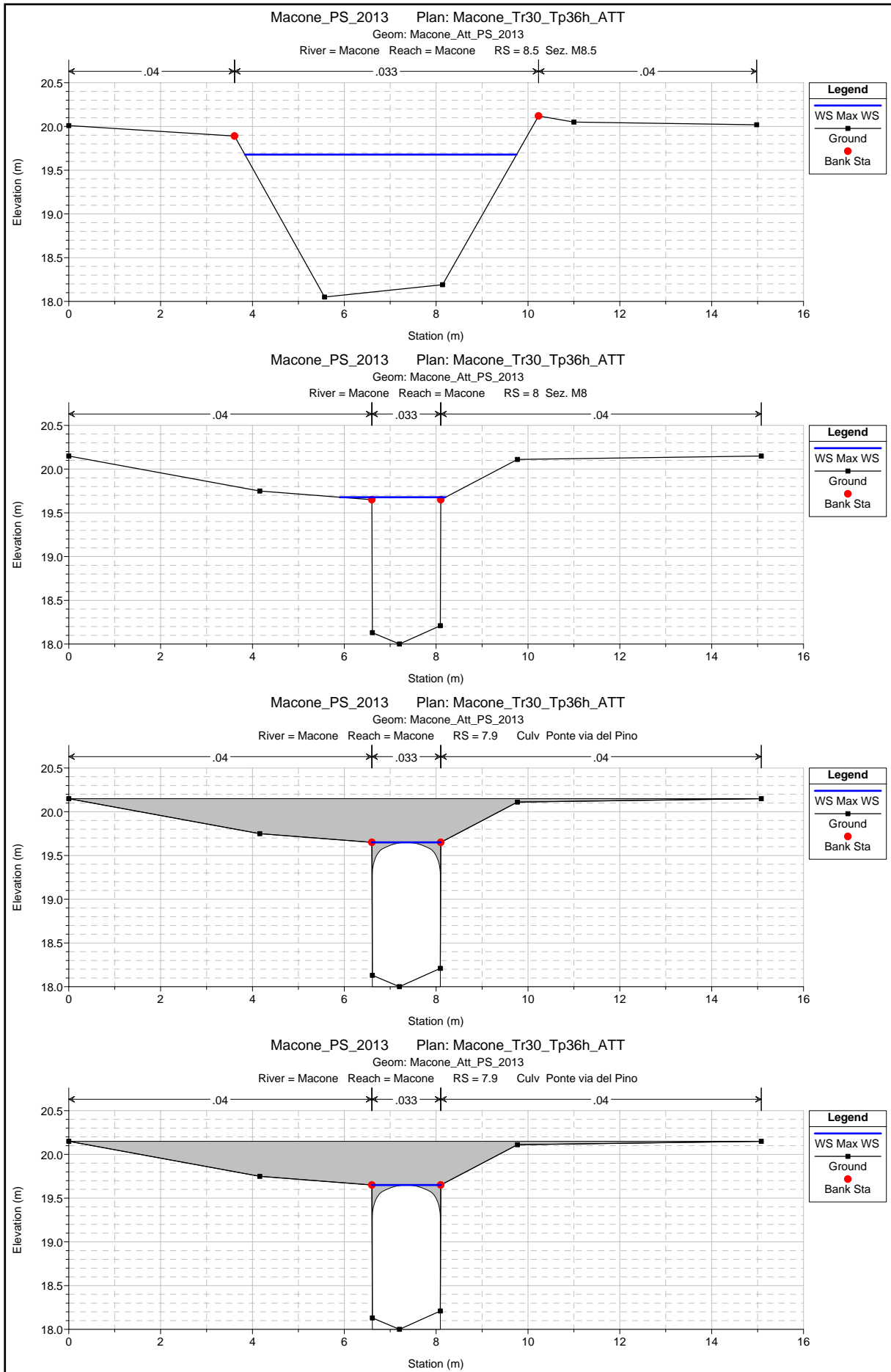


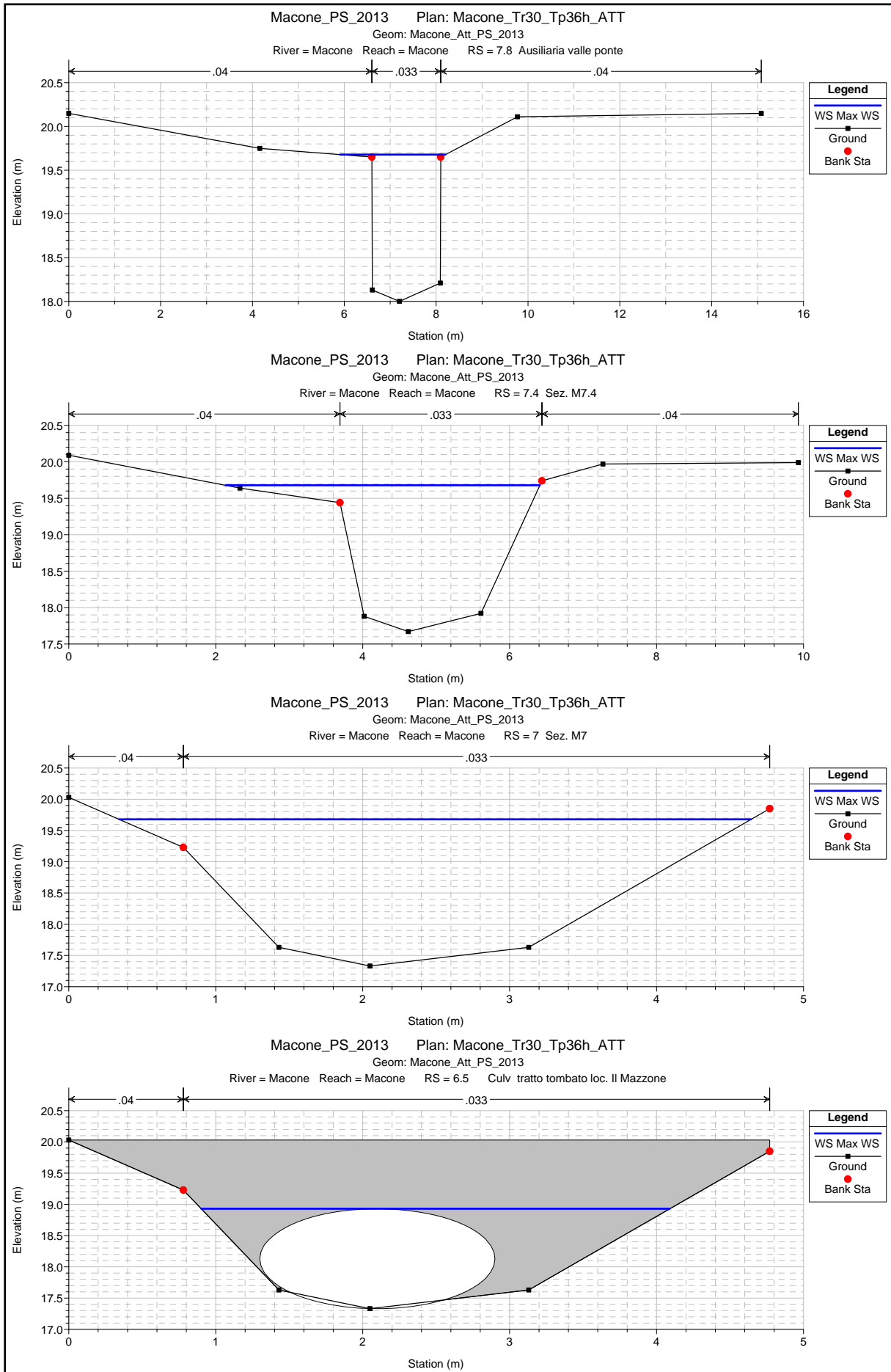


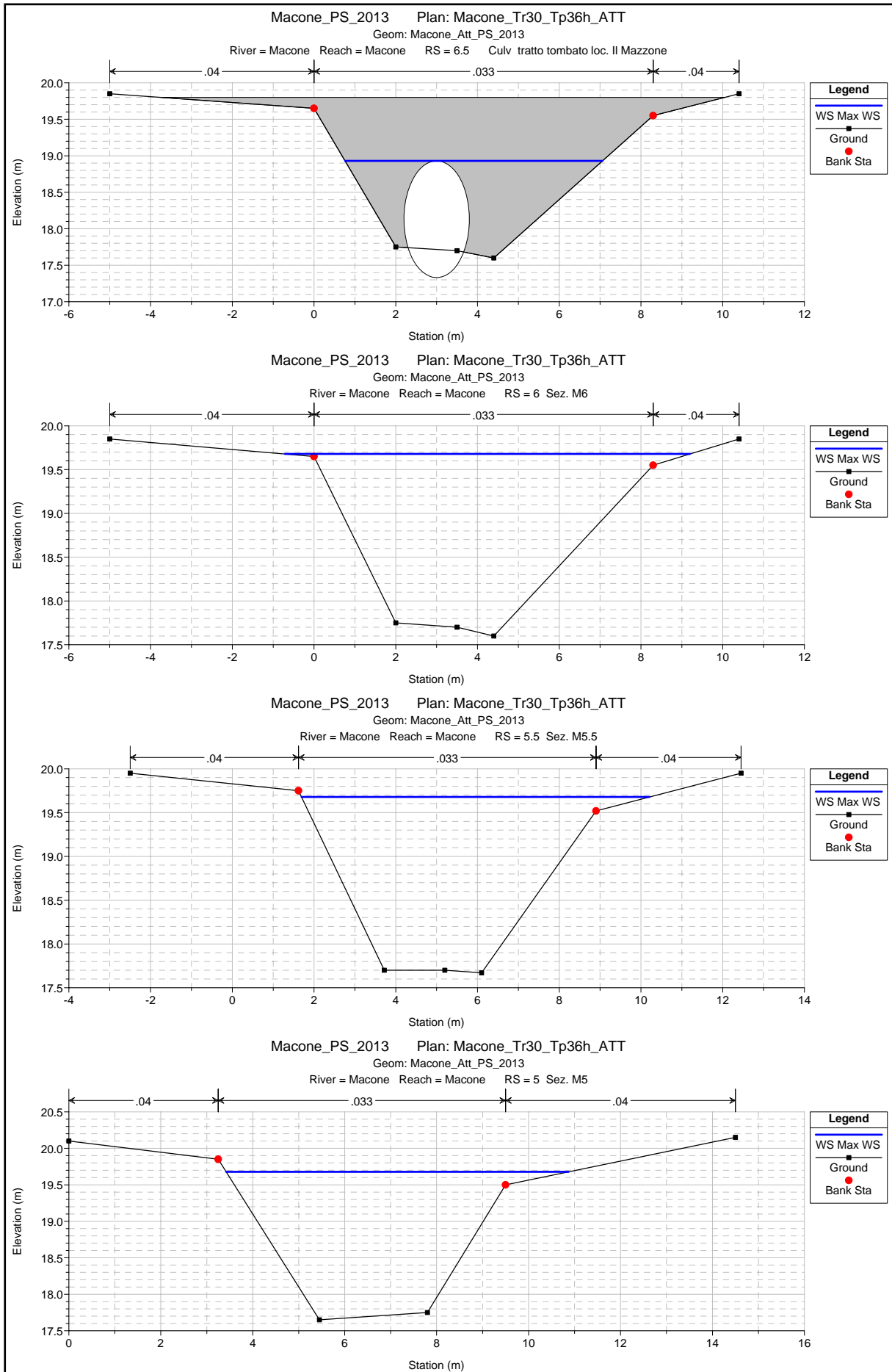


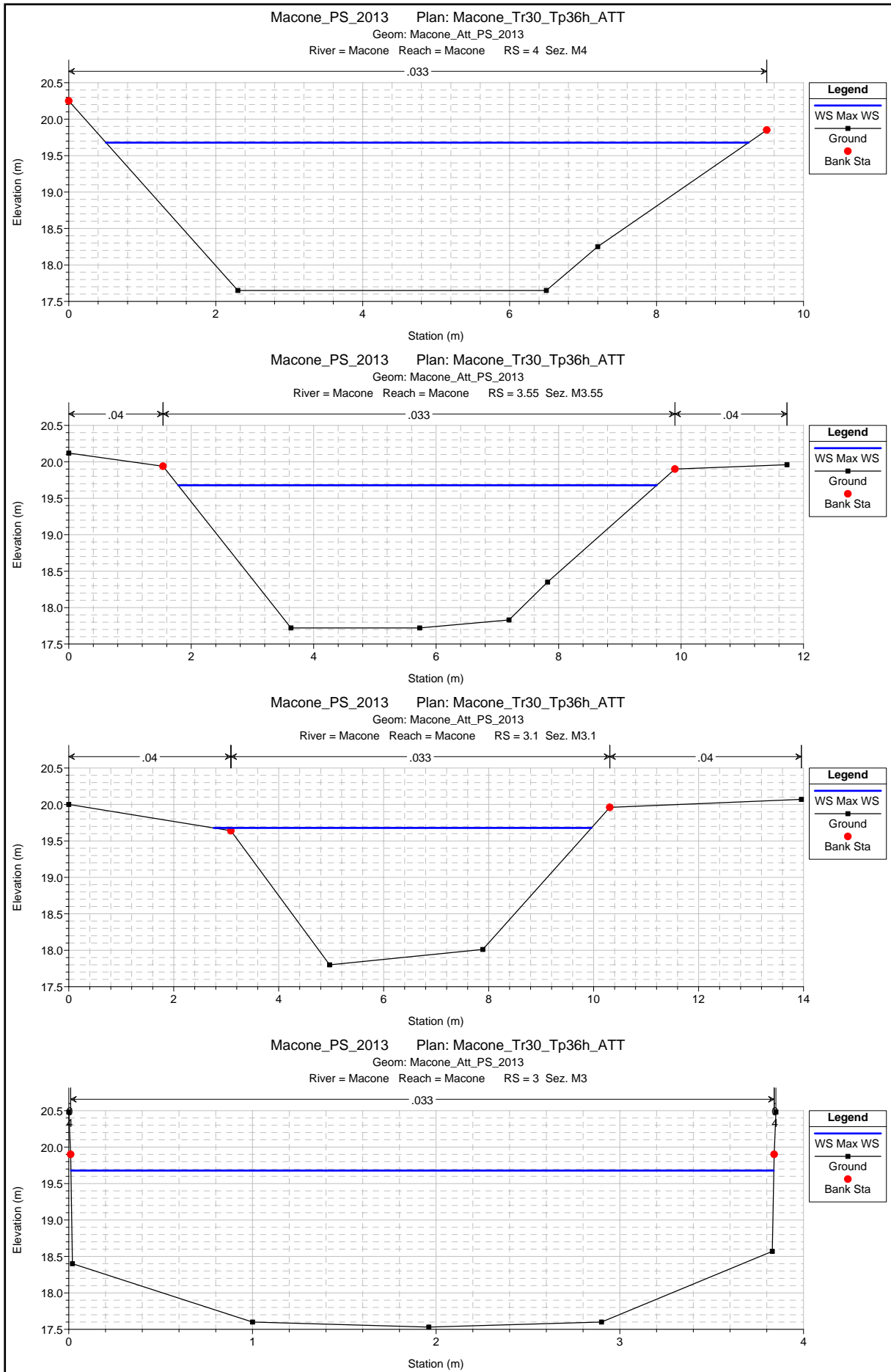


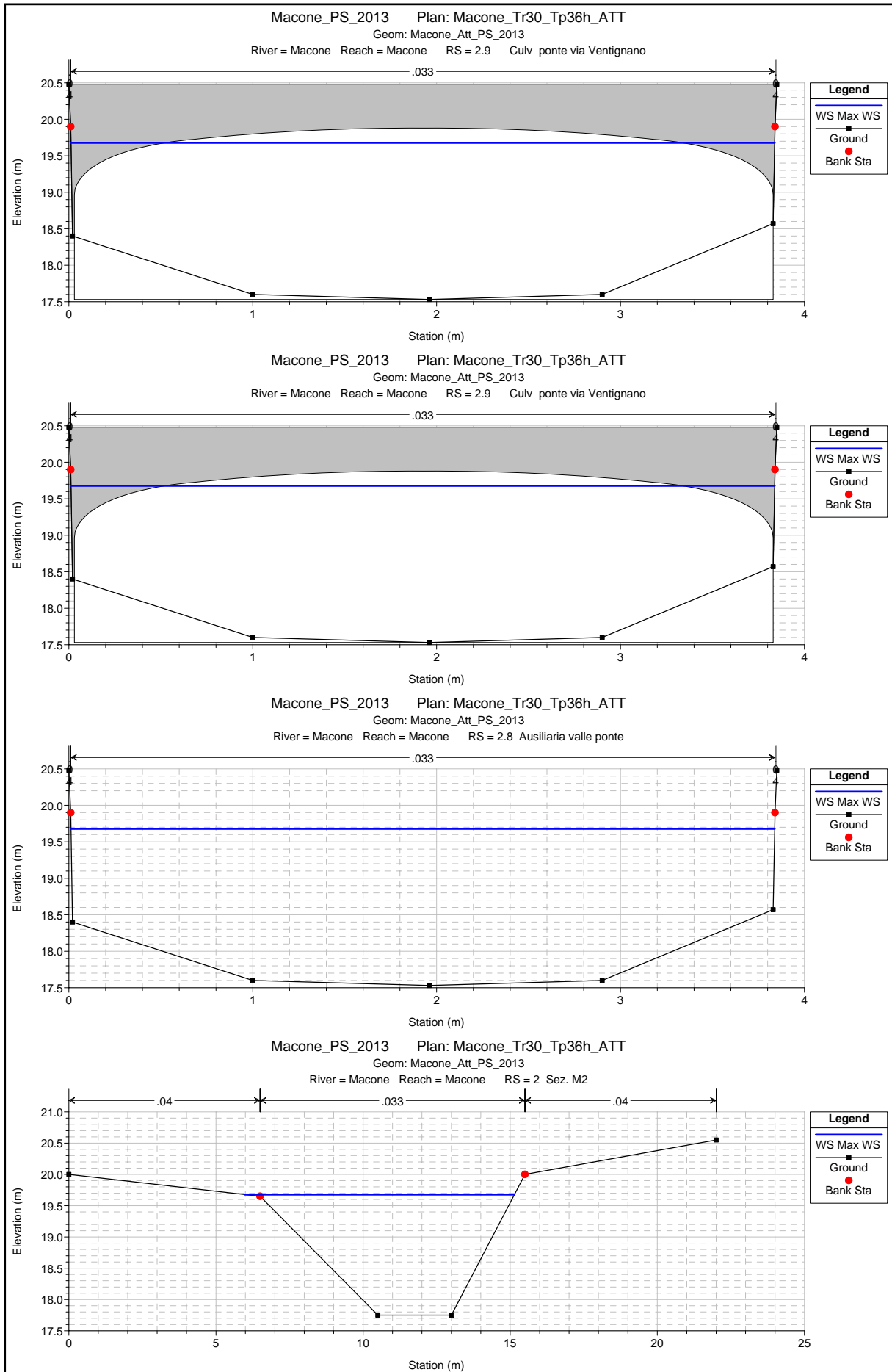


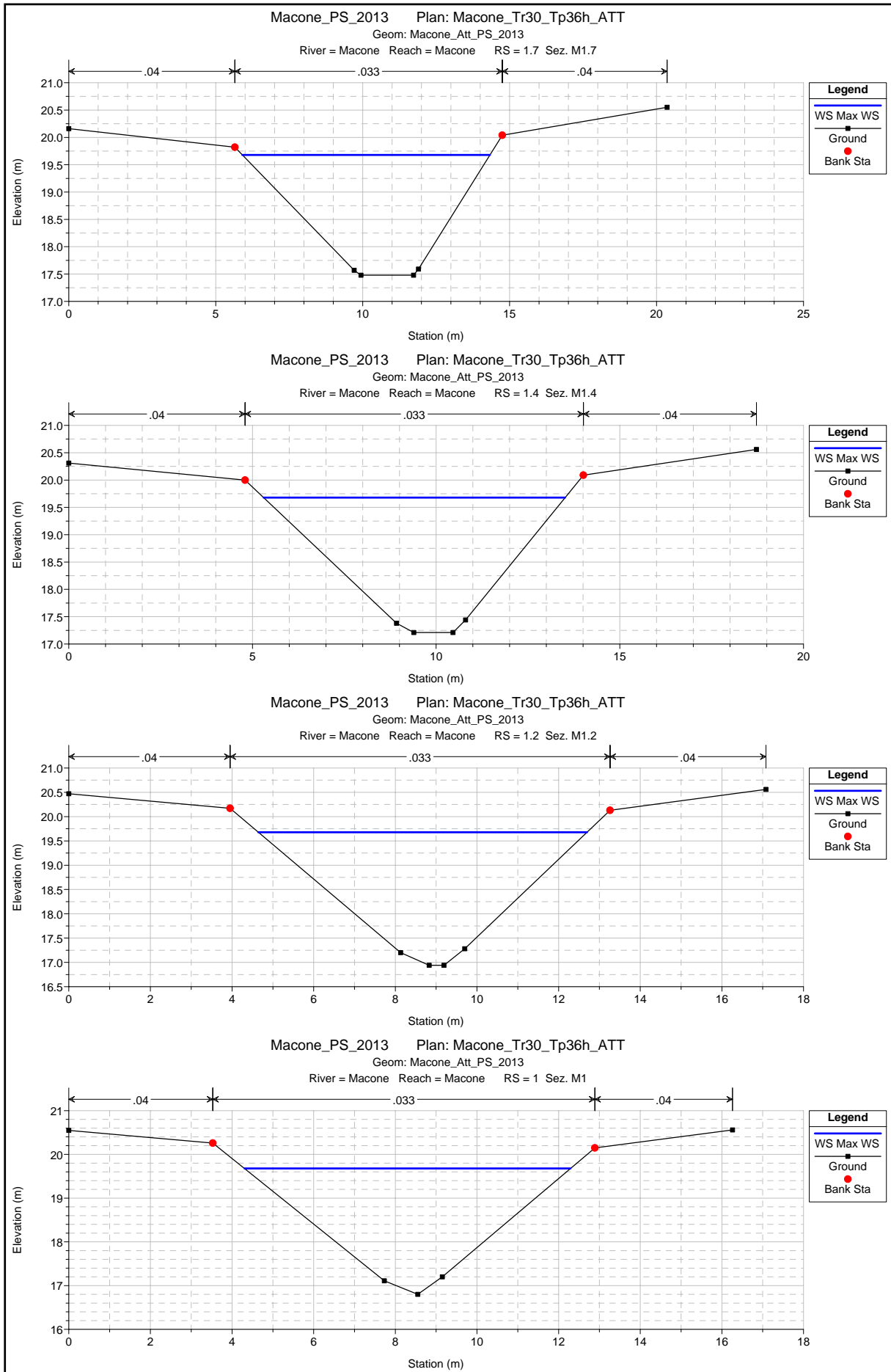


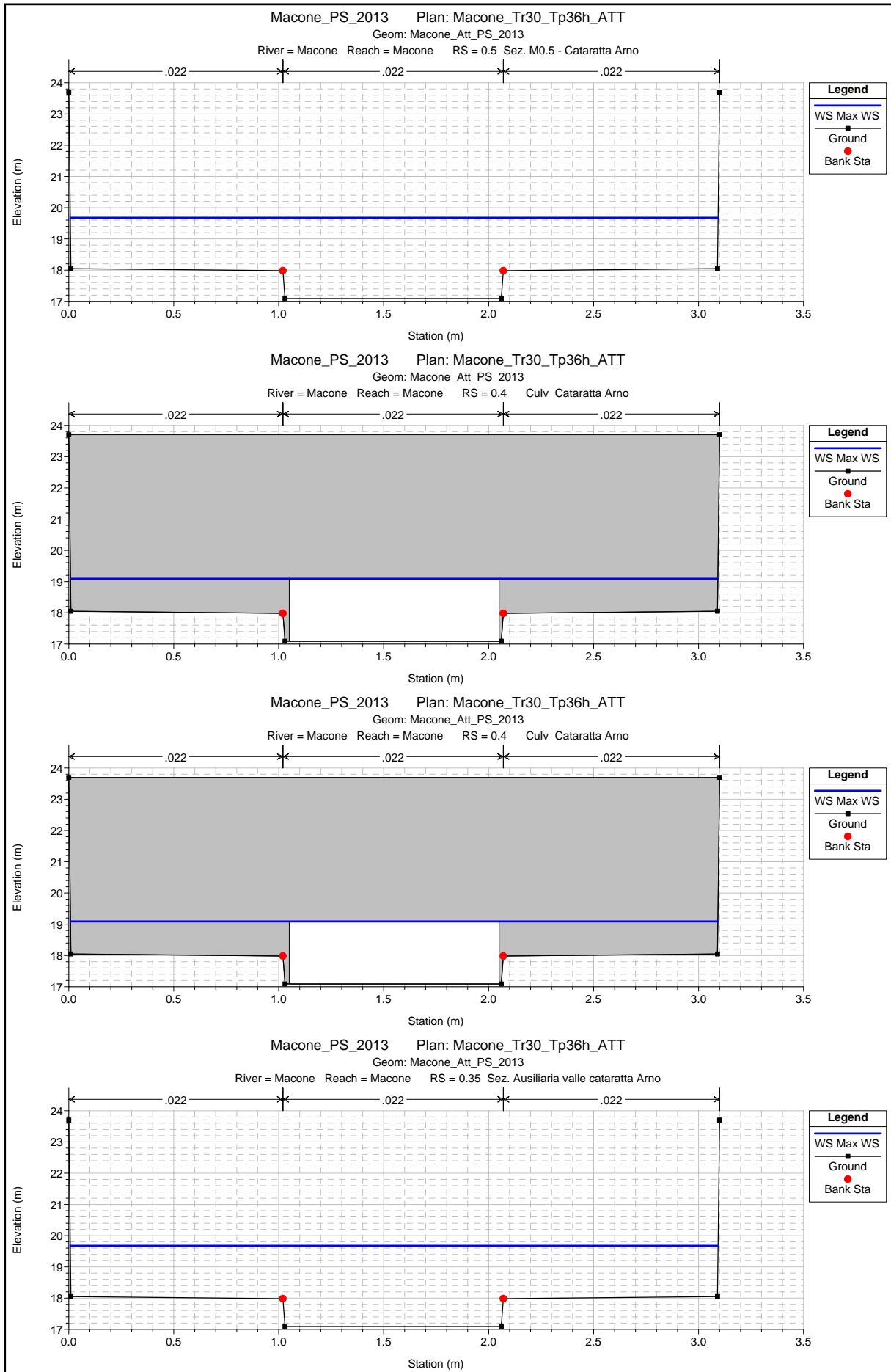


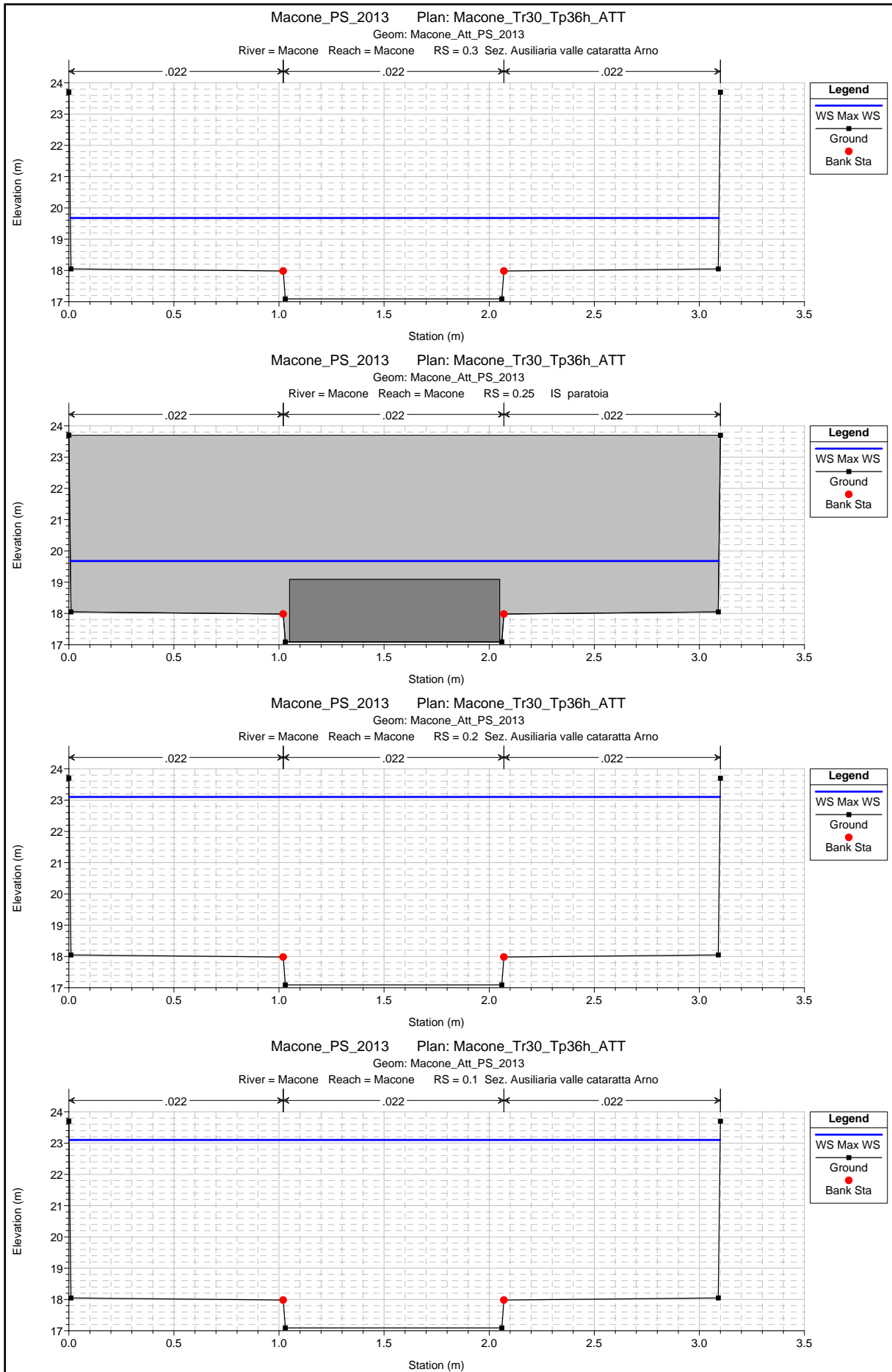












HEC-RAS Plan: Tr30_Tp36h_ATT River: Macone Reach: Macone Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	30	Max WS	0.39	19.12	19.76		19.76	0.000196	0.24	1.61	3.10	0.11
Macone	29.9	Max WS	0.39	19.12	19.76		19.76	0.000197	0.24	1.61	3.10	0.11
Macone	29.88		Lat Struct									
Macone	29	Max WS	0.39	19.01	19.74		19.74	0.000064	0.15	2.53	4.50	0.07
Macone	28	Max WS	0.39	19.00	19.73		19.74	0.000110	0.27	1.45	1.99	0.10
Macone	27.5		Culvert									
Macone	27	Max WS	0.39	19.00	19.73		19.73	0.000113	0.27	1.44	1.99	0.10
Macone	26.75	Max WS	0.39	18.77	19.72		19.72	0.000036	0.18	2.20	2.32	0.06
Macone	26.5	Max WS	0.39	18.54	19.72		19.72	0.000014	0.12	3.12	2.66	0.04
Macone	26.2		Culvert									
Macone	26	Max WS	0.39	18.54	19.72		19.72	0.000014	0.13	3.11	2.66	0.04
Macone	25.99		Lat Struct									
Macone	25.98		Lat Struct									
Macone	25.8	Max WS	0.39	18.54	19.72		19.72	0.000014	0.13	3.11	2.66	0.04
Macone	25.6	Max WS	0.39	18.53	19.72		19.72	0.000025	0.12	3.36	3.00	0.04
Macone	24.9	Max WS	0.39	18.45	19.72		19.72	0.000015	0.10	4.06	4.46	0.03
Macone	24.89	Max WS	0.39	18.45	19.72		19.72	0.000003	0.07	5.85	5.24	0.02
Macone	24.88		Culvert									
Macone	24.85	Max WS	0.39	18.45	19.72		19.72	0.000003	0.07	5.85	5.24	0.02
Macone	24.8	Max WS	0.39	18.40	19.72		19.72	0.000004	0.08	4.88	4.41	0.02
Macone	24.7		Culvert									
Macone	24.6	Max WS	0.39	18.40	19.71		19.71	0.000004	0.08	4.87	4.41	0.02
Macone	24.55	Max WS	0.39	18.42	19.71		19.71	0.000010	0.08	4.72	4.36	0.03
Macone	24.54		Lat Struct									
Macone	24.53		Lat Struct									
Macone	23.6	Max WS	0.39	18.86	19.71		19.71	0.000116	0.21	1.89	3.07	0.08
Macone	23.5	Max WS	0.39	18.27	19.71		19.71	0.000003	0.07	5.26	4.27	0.02
Macone	23.4		Culvert									
Macone	23.3	Max WS	0.39	18.27	19.71		19.71	0.000003	0.07	5.25	4.27	0.02
Macone	23.29		Lat Struct									
Macone	23.28		Lat Struct									
Macone	23.25	Max WS	0.39	18.79	19.71		19.71	0.000089	0.18	2.18	3.93	0.08
Macone	23.2	Max WS	0.39	18.77	19.70		19.70	0.000083	0.17	2.24	3.97	0.07
Macone	23.1	Max WS	0.39	18.60	19.70		19.70	0.000028	0.12	3.35	4.89	0.04
Macone	22	Max WS	0.39	18.55	19.70		19.70	0.000016	0.10	4.05	5.63	0.03

HEC-RAS Plan: Tr30_Tp36h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	21	Max WS	0.39	18.45	19.70		19.70	0.000014	0.09	4.16	4.27	0.03
Macone	20.8	Max WS	0.39	18.45	19.70	18.59	19.70	0.000006	0.09	4.16	4.27	0.03
Macone	20.7		Bridge									
Macone	20.5	Max WS	0.39	18.45	19.70		19.70	0.000006	0.09	4.16	4.27	0.03
Macone	20.3	Max WS	0.39	18.46	19.70		19.70	0.000015	0.10	4.10	4.24	0.03
Macone	20.29		Lat Struct									
Macone	20.28		Lat Struct									
Macone	20	Max WS	0.39	18.50	19.69		19.70	0.000017	0.10	3.93	4.18	0.03
Macone	19.5	Max WS	0.39	18.51	19.69		19.69	0.000018	0.10	3.94	5.76	0.04
Macone	19.2	Max WS	0.39	18.55	19.69	18.78	19.69	0.000018	0.14	2.86	3.98	0.05
Macone	19.1		Bridge									
Macone	19.05	Max WS	0.39	18.55	19.68		19.69	0.000018	0.14	2.84	3.97	0.05
Macone	19	Max WS	0.39	18.55	19.68		19.69	0.000041	0.14	2.84	3.97	0.05
Macone	18.99		Lat Struct									
Macone	18.98		Lat Struct									
Macone	18	Max WS	0.01	18.45	19.68		19.68	0.000000	0.00	5.47	10.98	0.00
Macone	17	Max WS	0.00	18.45	19.68		19.68	0.000000	0.00	5.14	6.33	0.00
Macone	16.99		Lat Struct									
Macone	16.5	Max WS	0.00	18.47	19.68		19.68	0.000000	0.00	4.06	5.78	0.00
Macone	16.2	Max WS	0.00	18.19	19.68		19.68	0.000000	0.00	2.94	3.41	0.00
Macone	16.1	Max WS	0.00	18.19	19.68		19.68	0.000000	0.00	2.60	5.82	0.00
Macone	16.05		Culvert									
Macone	16	Max WS	0.00	18.19	19.68		19.68	0.000000	0.00	5.04	5.87	0.00
Macone	15	Max WS	0.00	18.40	19.68		19.68	0.000000	0.00	4.34	6.67	0.00
Macone	14.99		Lat Struct									
Macone	14.98		Lat Struct									
Macone	14.5	Max WS	0.00	18.17	19.68		19.68	0.000000	0.00	5.33	9.68	0.00
Macone	14	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	6.45	11.23	0.00
Macone	13.5	Max WS	0.00	17.98	19.68		19.68	0.000000	0.00	5.00	5.90	0.00
Macone	13	Max WS	0.00	18.02	19.68	18.03	19.68	0.000000	0.00	1.48	0.76	0.00
Macone	12.5	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	5.42	5.61	0.00
Macone	12.2	Max WS	0.00	17.89	19.68		19.68	0.000000	0.00	4.21	3.35	0.00
Macone	12.15		Culvert									
Macone	12.1	Max WS	0.00	17.89	19.68		19.68	0.000000	0.00	4.21	3.35	0.00
Macone	12	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	7.05	9.08	0.00

HEC-RAS Plan: Tr30_Tp36h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	11.99		Lat Struct									
Macone	11.98		Lat Struct									
Macone	11	Max WS	0.00	17.85	19.68		19.68	0.000000	0.00	11.52	14.65	0.00
Macone	10.5	Max WS	0.00	17.90	19.68		19.68	0.000000	0.00	8.65	11.09	0.00
Macone	10	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	5.83	7.47	0.00
Macone	9.9	Max WS	0.00	17.95	19.68	17.96	19.68	0.000000	0.00	5.83	7.47	0.00
Macone	9.8		Bridge									
Macone	9.7	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	5.83	7.47	0.00
Macone	9.6	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	5.83	7.47	0.00
Macone	9.59		Lat Struct									
Macone	9.58		Lat Struct									
Macone	9	Max WS	0.00	17.95	19.68		19.68	0.000000	0.00	5.51	8.41	0.00
Macone	8.8	Max WS	0.00	17.98	19.68		19.68	0.000000	0.00	5.67	5.89	0.00
Macone	8.6	Max WS	0.00	18.02	19.68		19.68	0.000000	0.00	6.12	5.58	0.00
Macone	8.5	Max WS	0.00	18.05	19.68		19.68	0.000000	0.00	6.62	5.92	0.00
Macone	8	Max WS	0.00	18.00	19.68		19.68	0.000000	0.00	2.38	2.29	0.00
Macone	7.9		Culvert									
Macone	7.8	Max WS	0.00	18.00	19.68		19.68	0.000000	0.00	2.38	2.29	0.00
Macone	7.79		Lat Struct									
Macone	7.78		Lat Struct									
Macone	7.4	Max WS	0.00	17.67	19.68		19.68	0.000000	0.00	4.24	4.28	0.00
Macone	7	Max WS	0.00	17.33	19.68		19.68	0.000000	0.00	6.20	4.30	0.00
Macone	6.5		Culvert									
Macone	6	Max WS	0.00	17.60	19.68		19.68	0.000000	0.00	11.08	9.91	0.00
Macone	5.99		Lat Struct									
Macone	5.98		Lat Struct									
Macone	5.5	Max WS	0.00	17.67	19.68		19.68	0.000000	0.00	9.86	8.51	0.00
Macone	5	Max WS	0.00	17.65	19.68		19.68	0.000000	0.00	8.62	7.45	0.00
Macone	4	Max WS	0.00	17.65	19.68		19.68	0.000000	0.00	13.02	8.75	0.00
Macone	3.55	Max WS	0.00	17.72	19.68		19.68	0.000000	0.00	10.88	7.82	0.00
Macone	3.1	Max WS	0.00	17.80	19.68		19.68	0.000000	0.00	8.71	7.20	0.00
Macone	3	Max WS	0.00	17.53	19.68		19.68	0.000000	0.00	7.15	3.83	0.00
Macone	2.9		Culvert									
Macone	2.8	Max WS	0.00	17.53	19.68		19.68	0.000000	0.00	7.15	3.83	0.00
Macone	2	Max WS	0.00	17.75	19.68		19.68	0.000000	0.00	10.81	9.17	0.00

HEC-RAS Plan: Tr30_Tp36h_ATT River: Macone Reach: Macone Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Macone	1.99		Lat Struct									
Macone	1.98		Lat Struct									
Macone	1.7	Max WS	0.00	17.48	19.68		19.68	0.000000	0.00	11.34	8.42	0.00
Macone	1.4	Max WS	0.00	17.21	19.68		19.68	0.000000	0.00	11.75	8.21	0.00
Macone	1.2	Max WS	0.00	16.94	19.68		19.68	0.000000	0.00	12.04	8.05	0.00
Macone	1	Max WS	0.00	16.80	19.68		19.68	0.000000	0.00	12.13	7.99	0.00
Macone	0.5	Max WS	0.00	17.09	19.68		19.68	0.000000	0.00	6.09	3.09	0.00
Macone	0.4		Culvert									
Macone	0.35	Max WS	0.00	17.09	19.68		19.68	0.000000	0.00	6.09	3.09	0.00
Macone	0.3	Max WS	0.00	17.09	19.68	17.10	19.68	0.000000	0.00	6.09	3.09	0.00
Macone	0.25		Inl Struct									
Macone	0.2	Max WS	0.00	17.09	23.10		23.10	0.000000	0.00	16.67	3.10	0.00
Macone	0.1	Max WS	0.00	17.09	23.10	17.10	23.10	0.000000	0.00	16.67	3.10	0.00