



DOC.QI.001b

**Allegati di modellazione idraulica
– Torrente Pesa**

Montelupo Fiorentino

Luglio 2023

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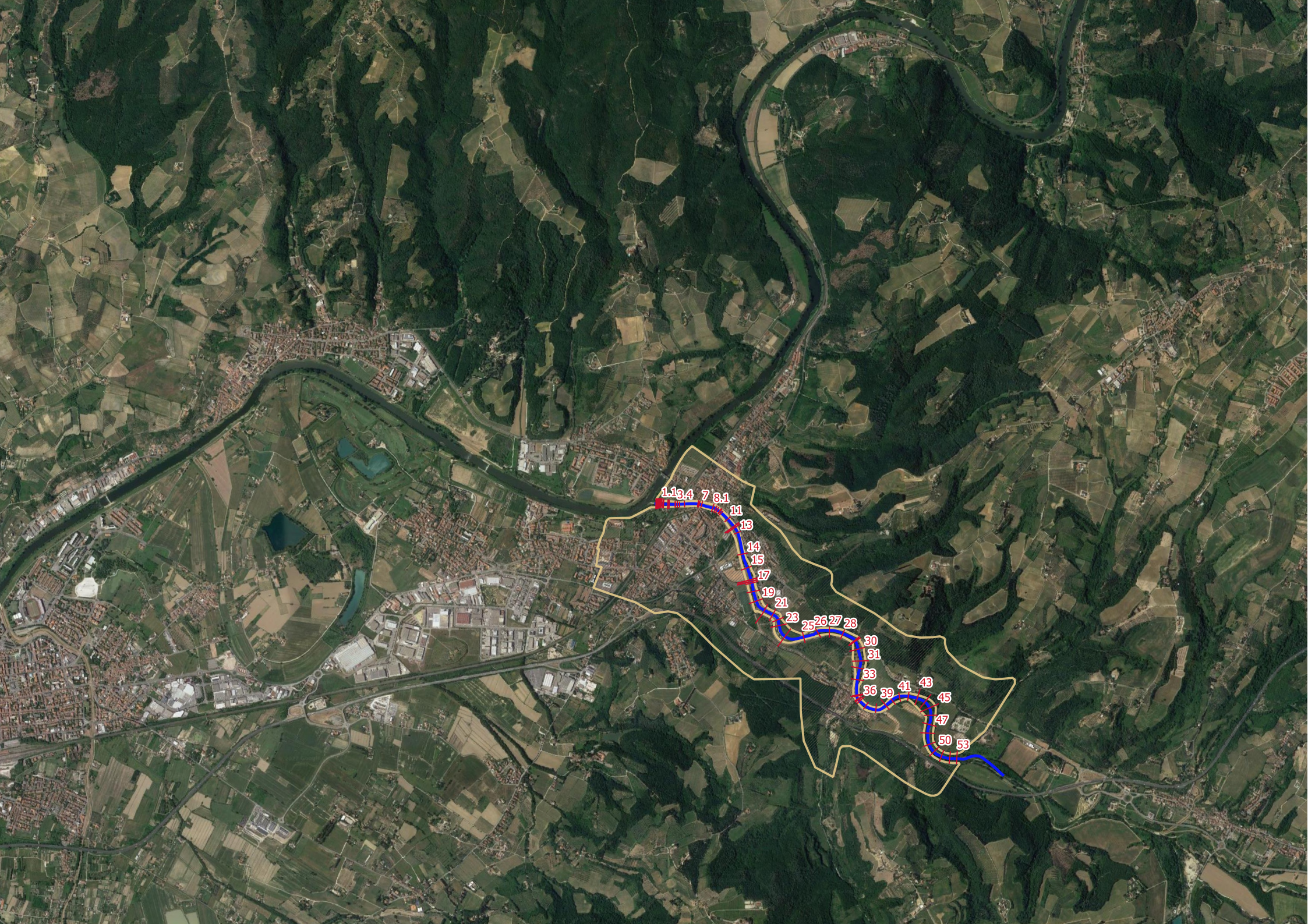
Chiara Balducci

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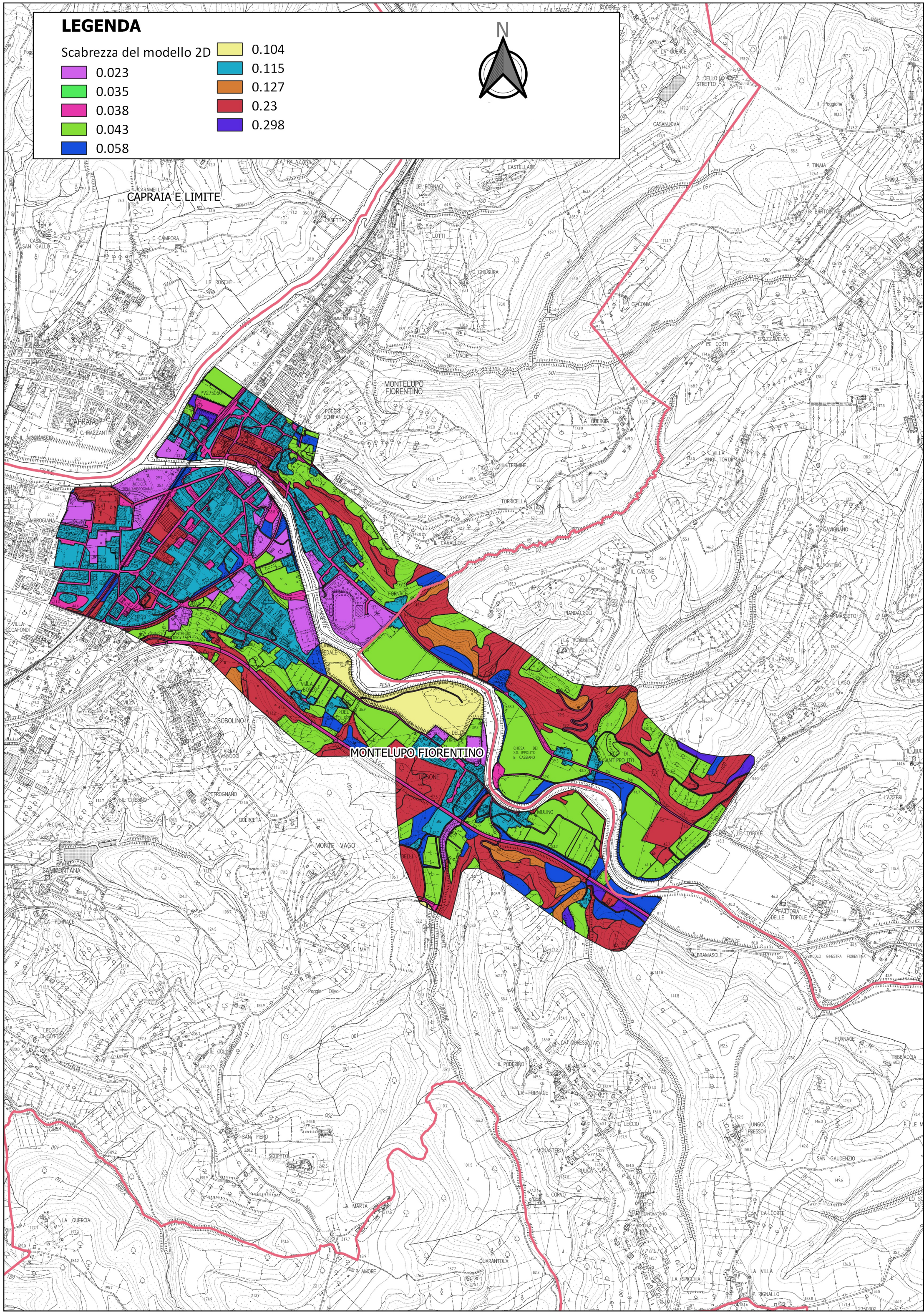
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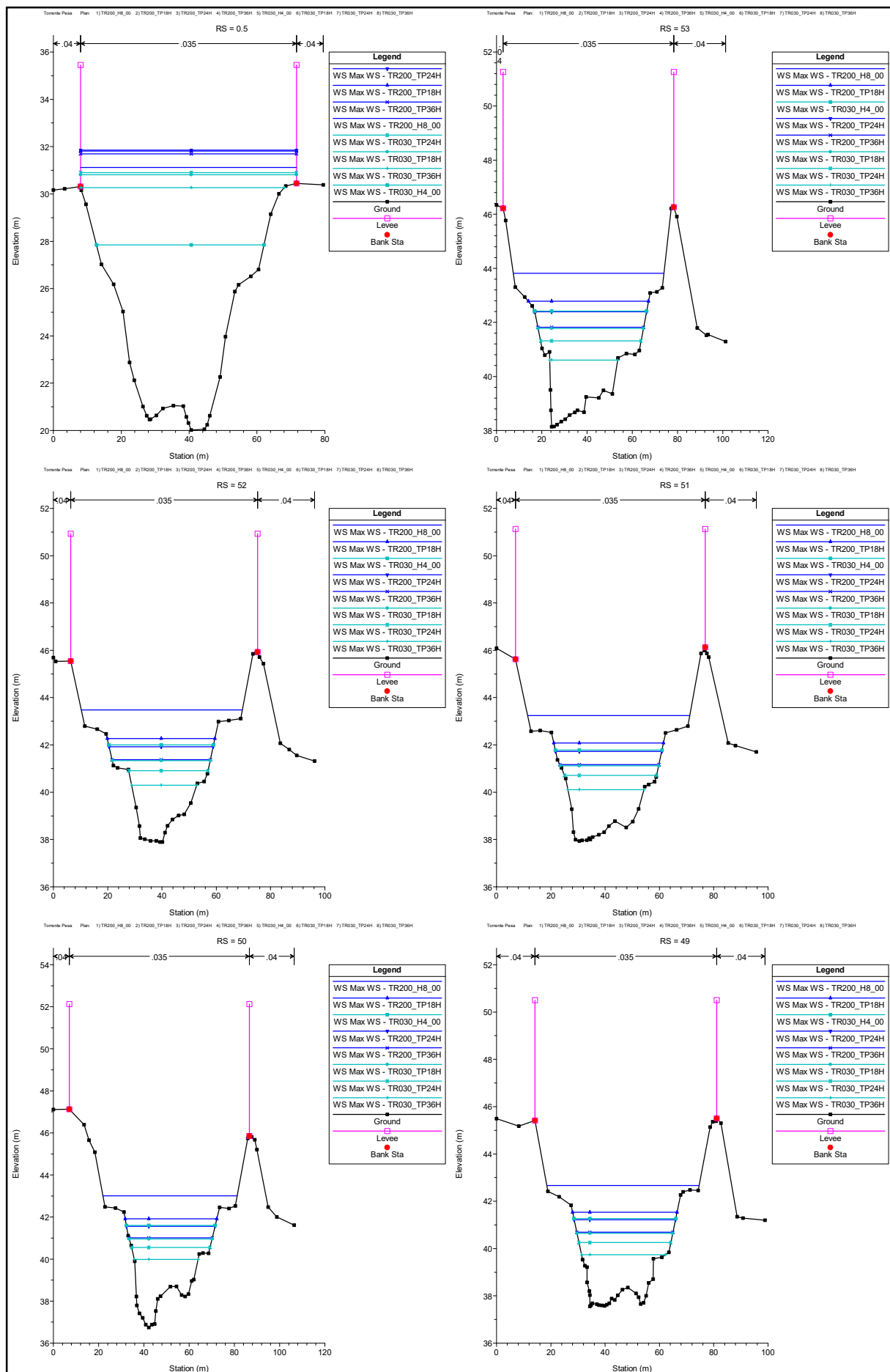
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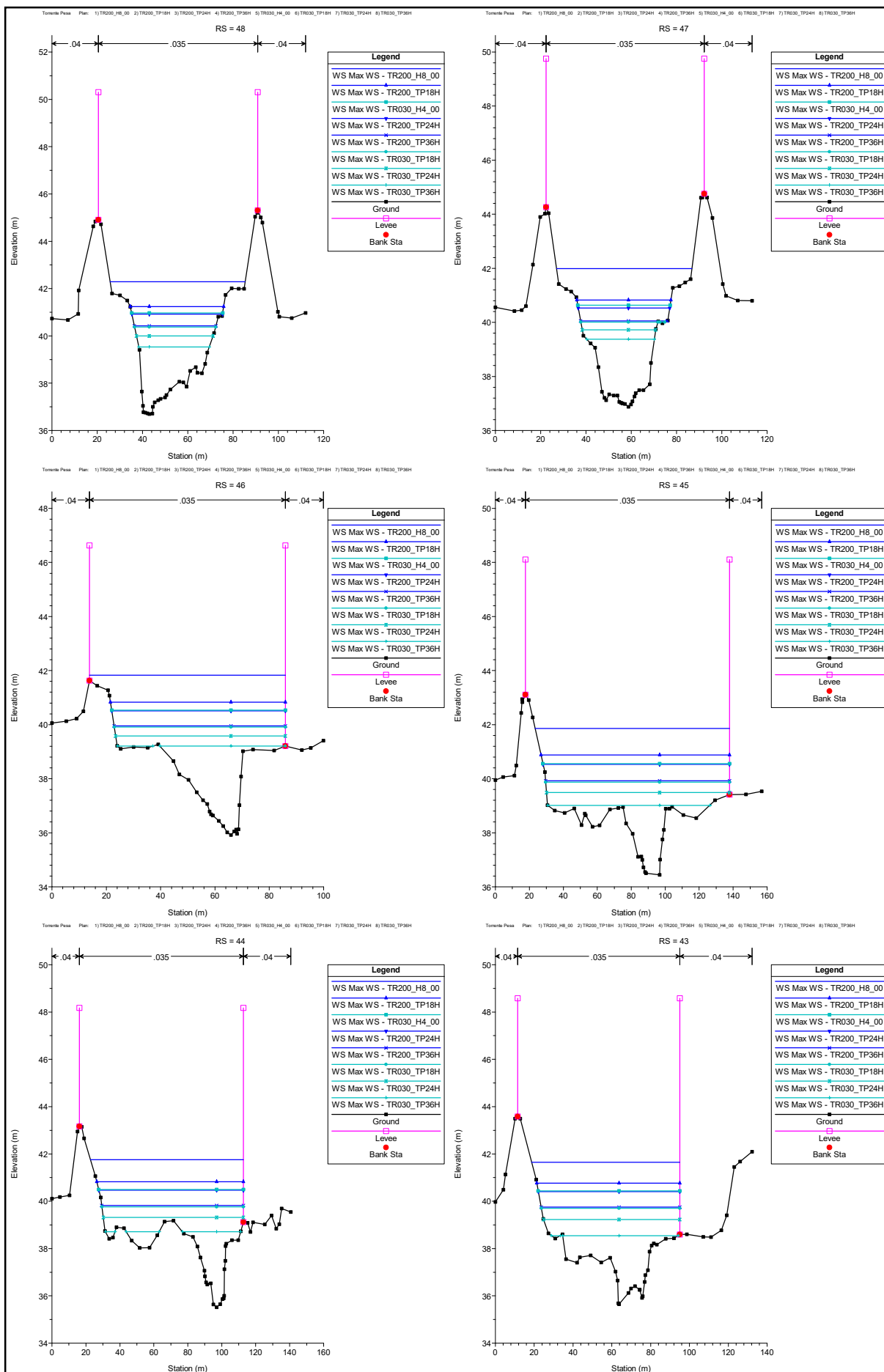
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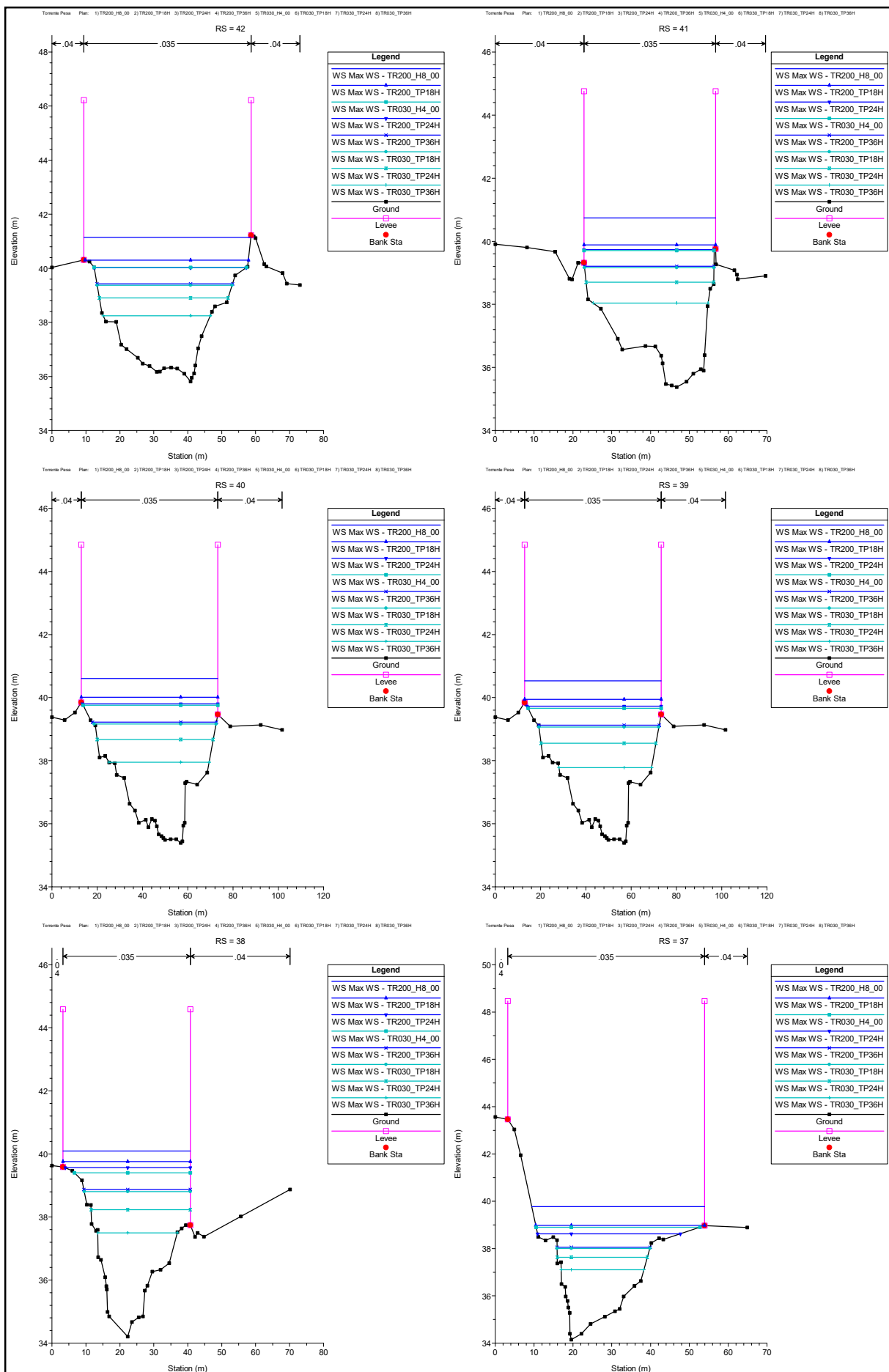
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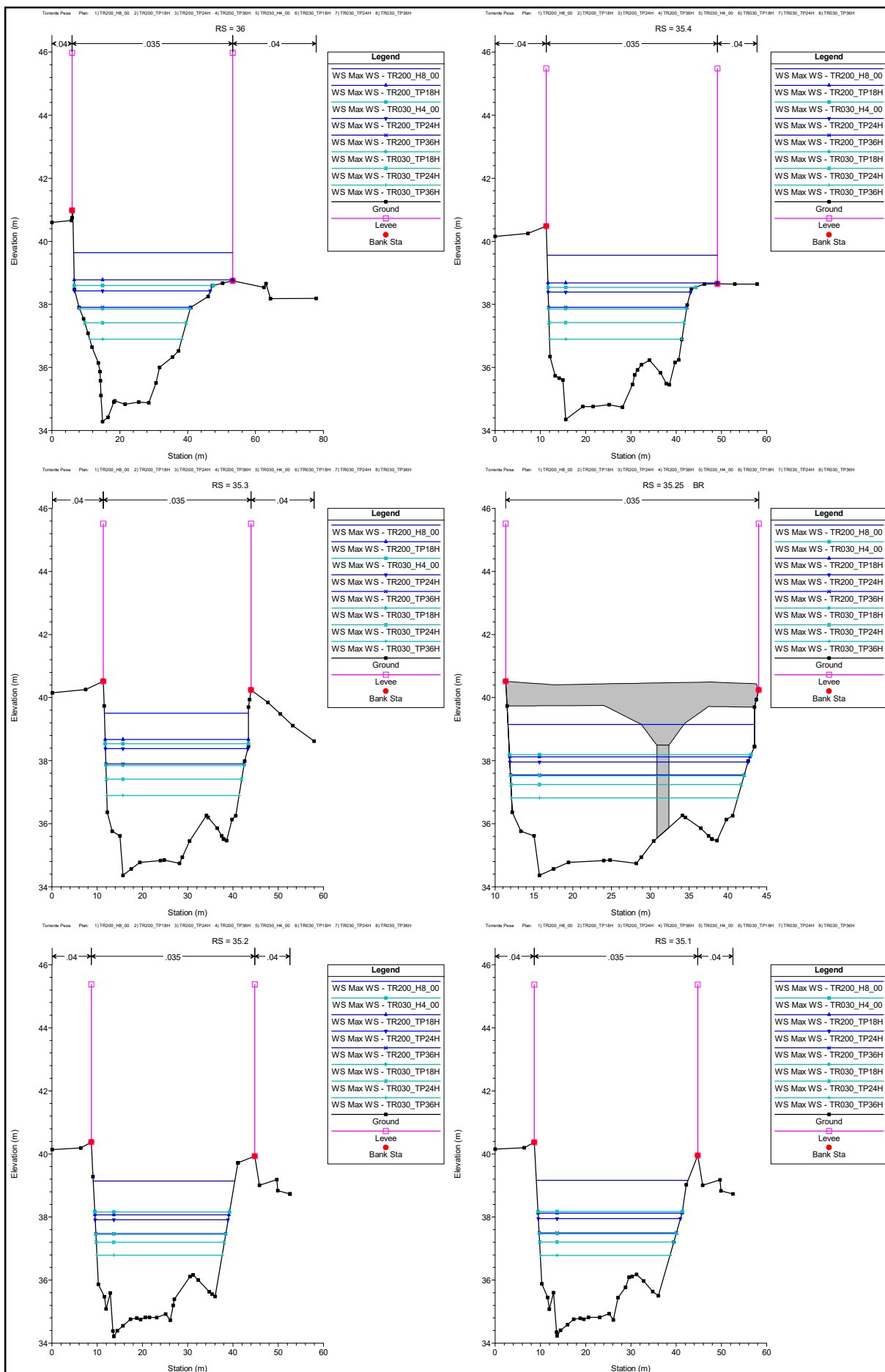
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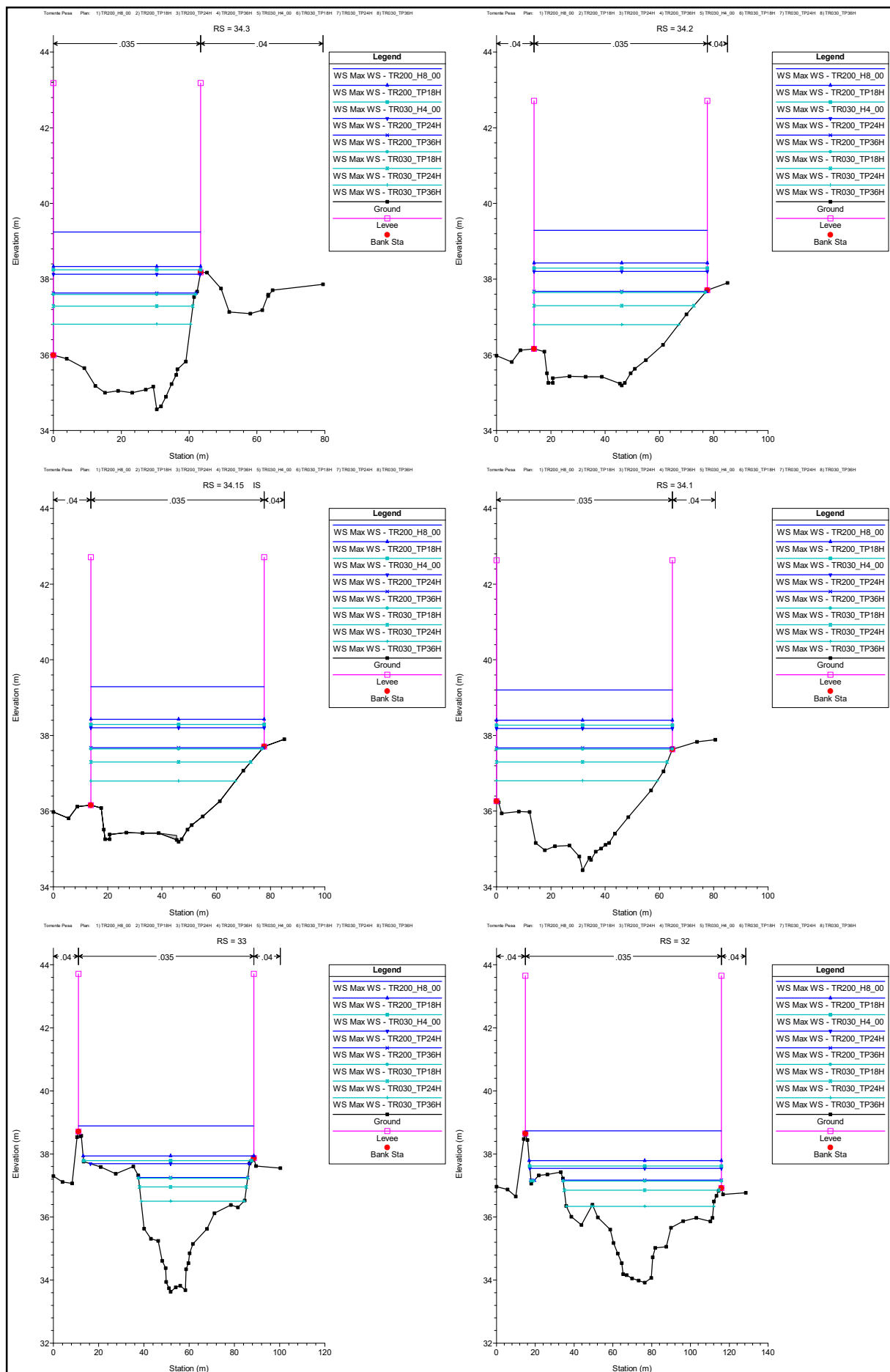


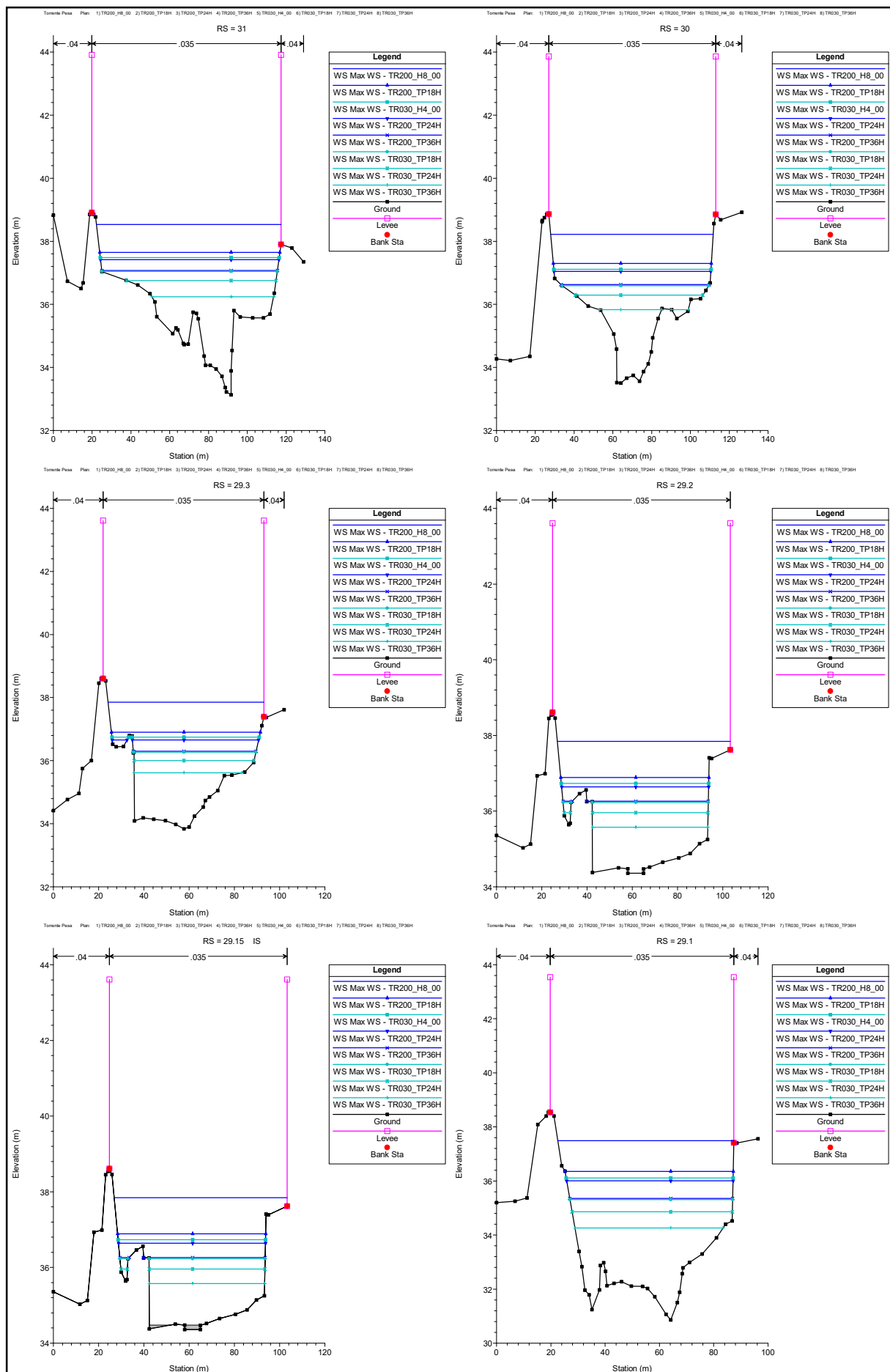


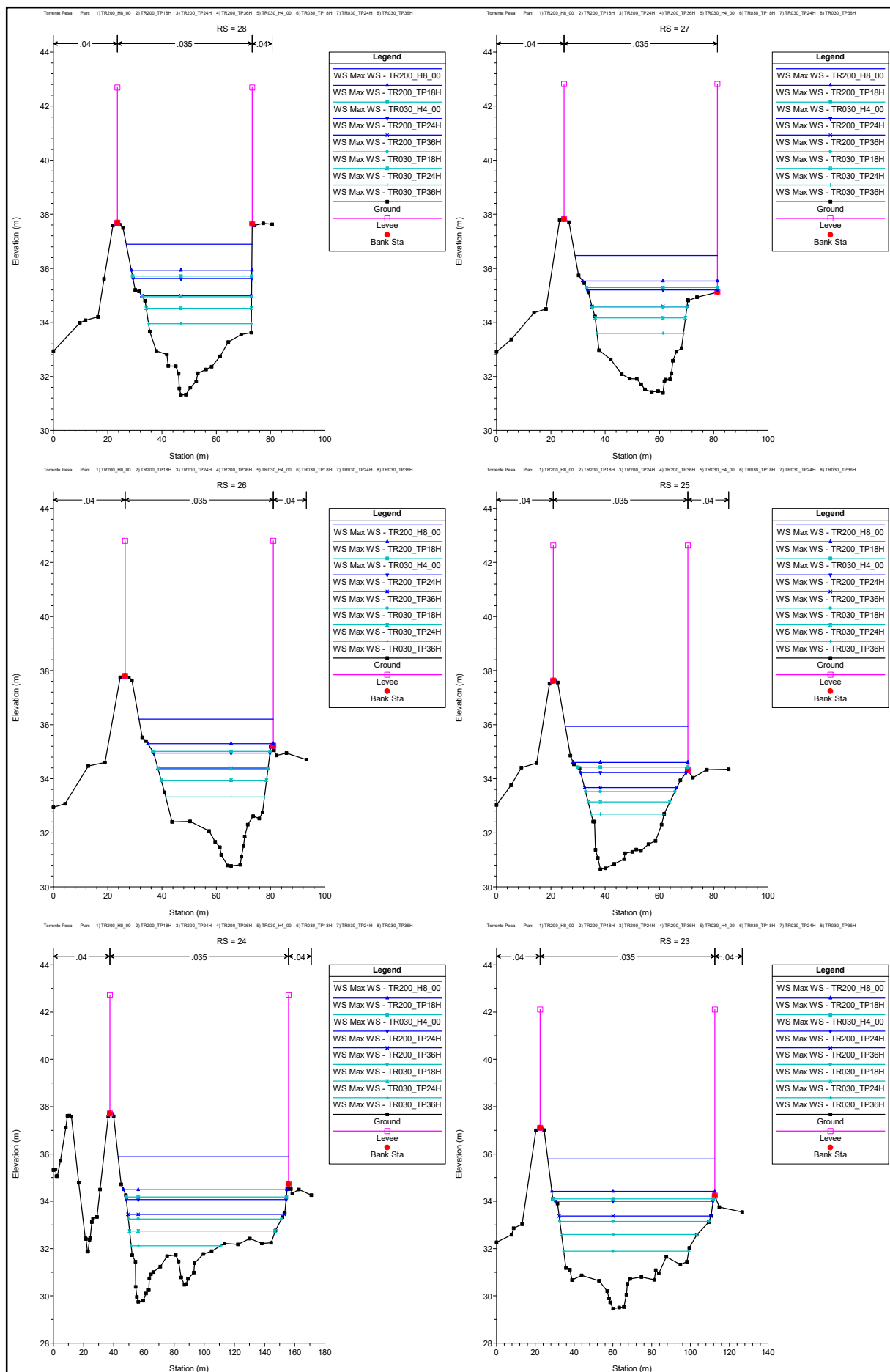


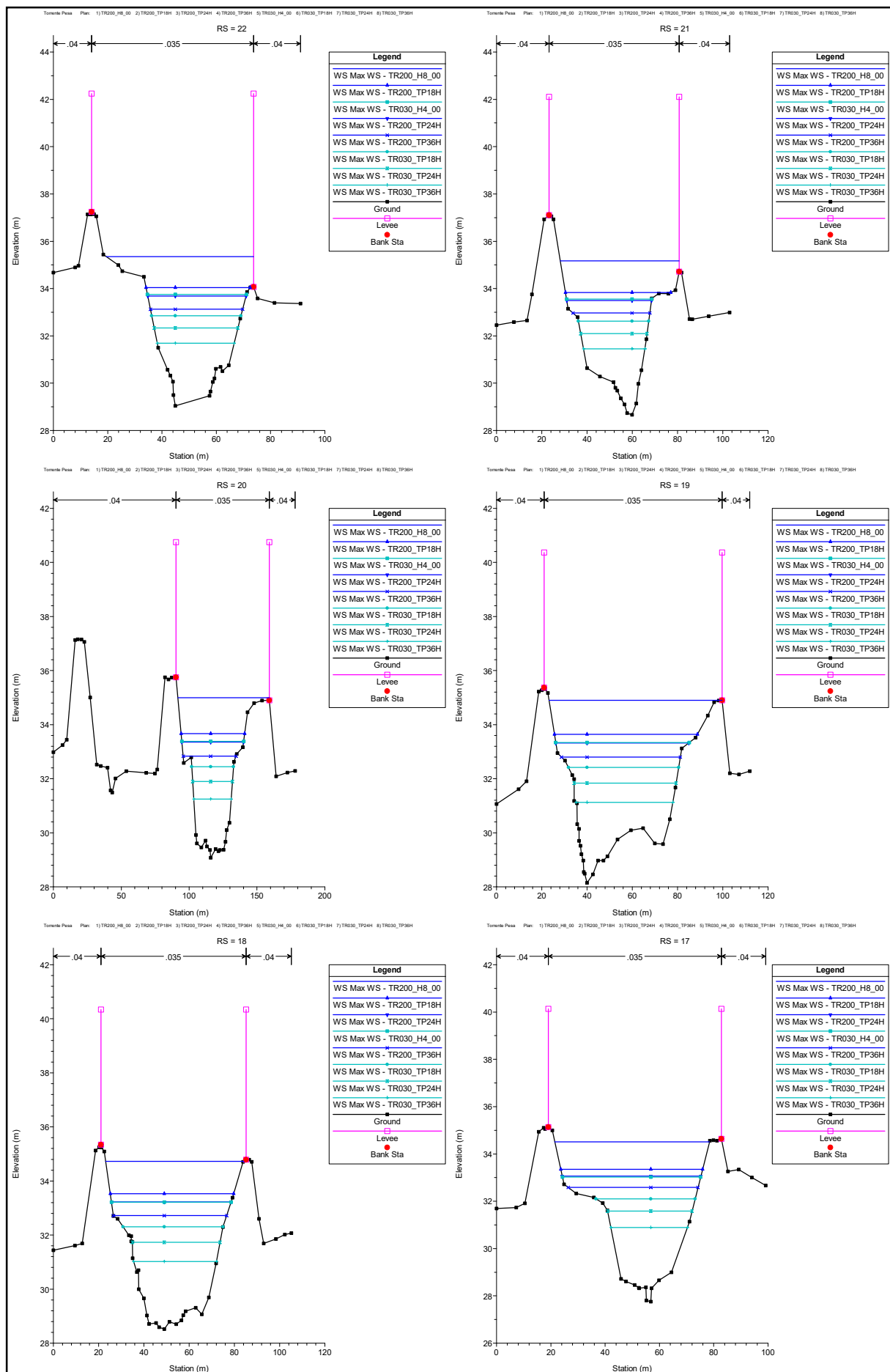


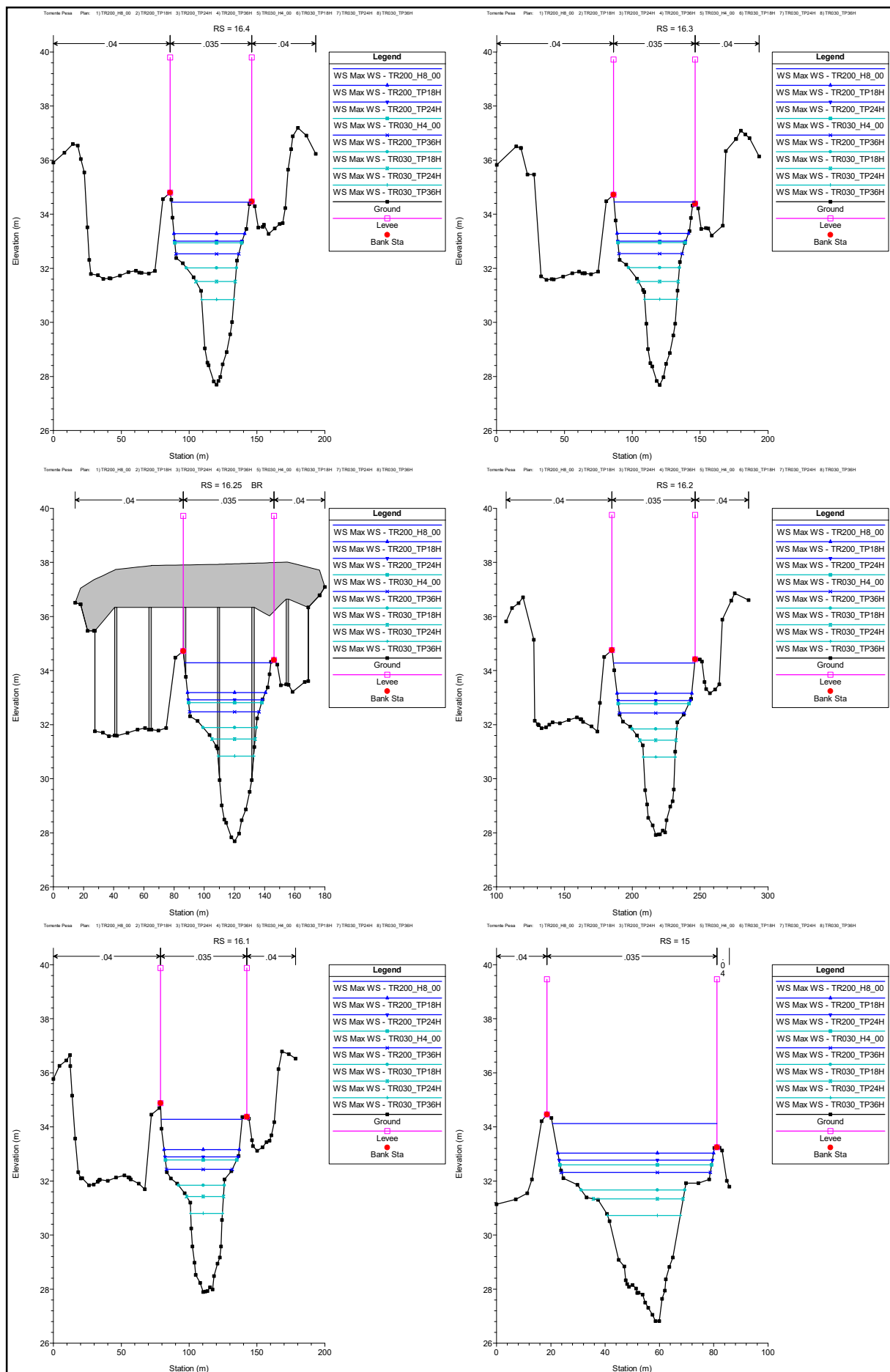


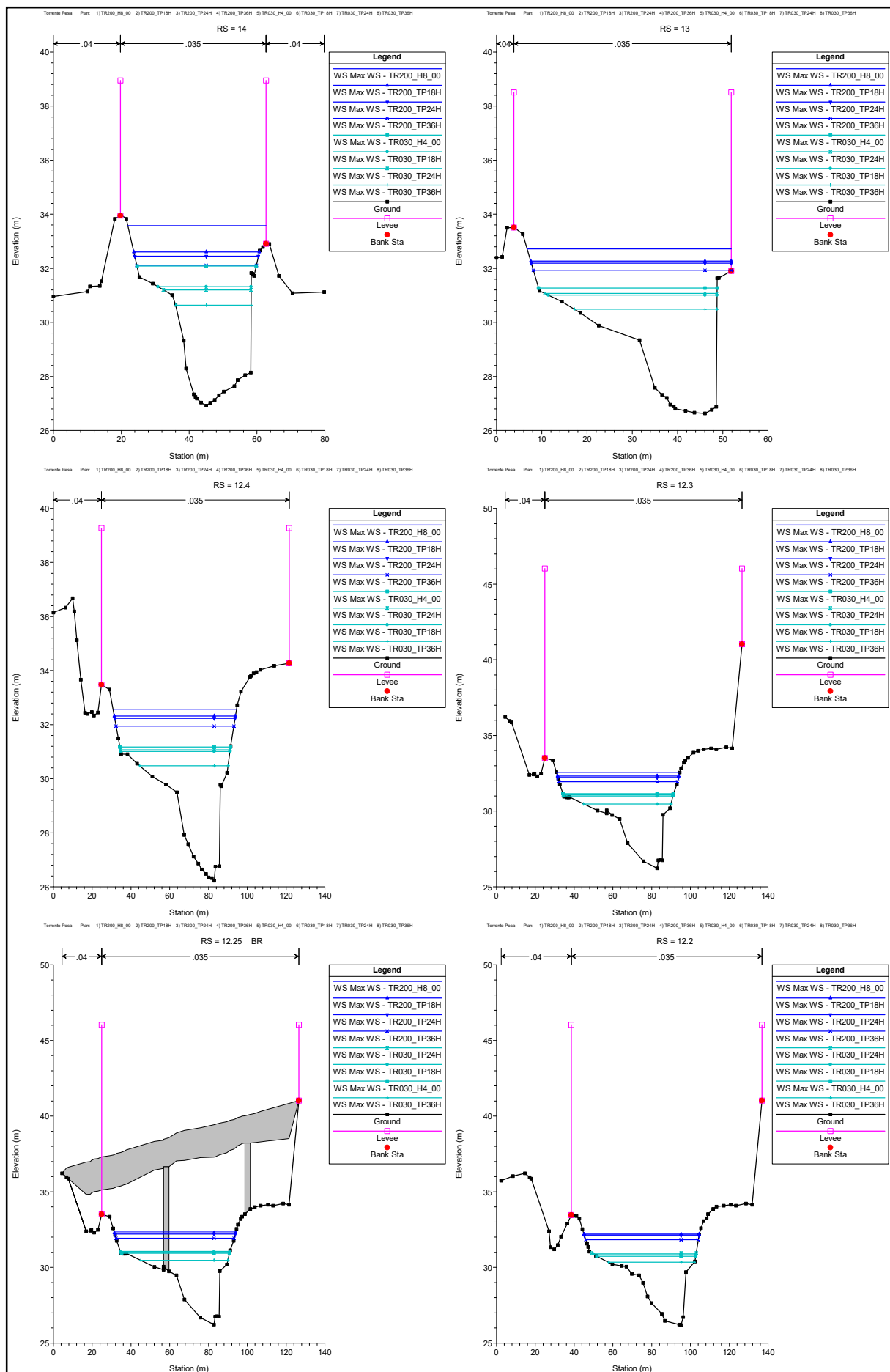


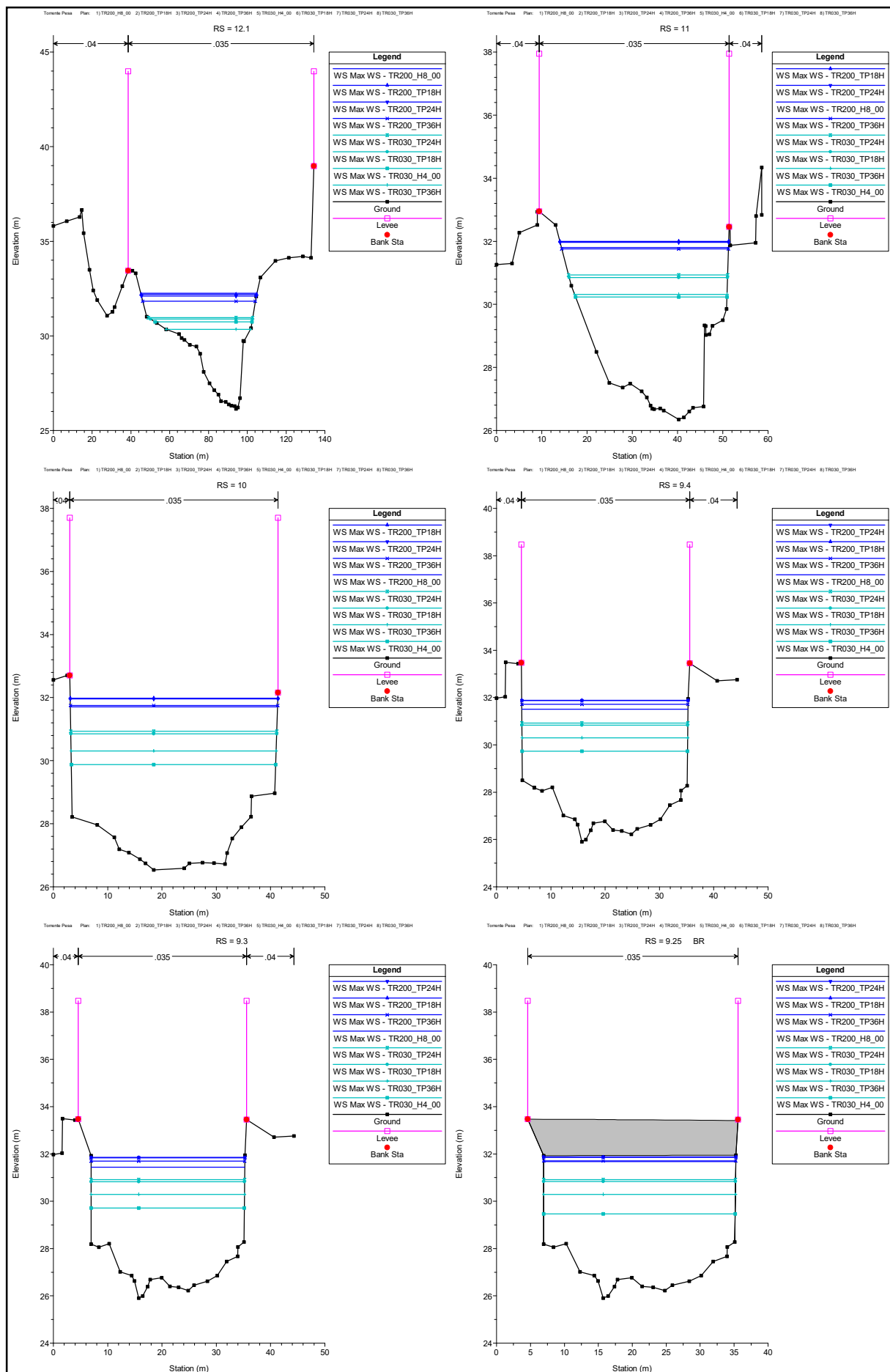


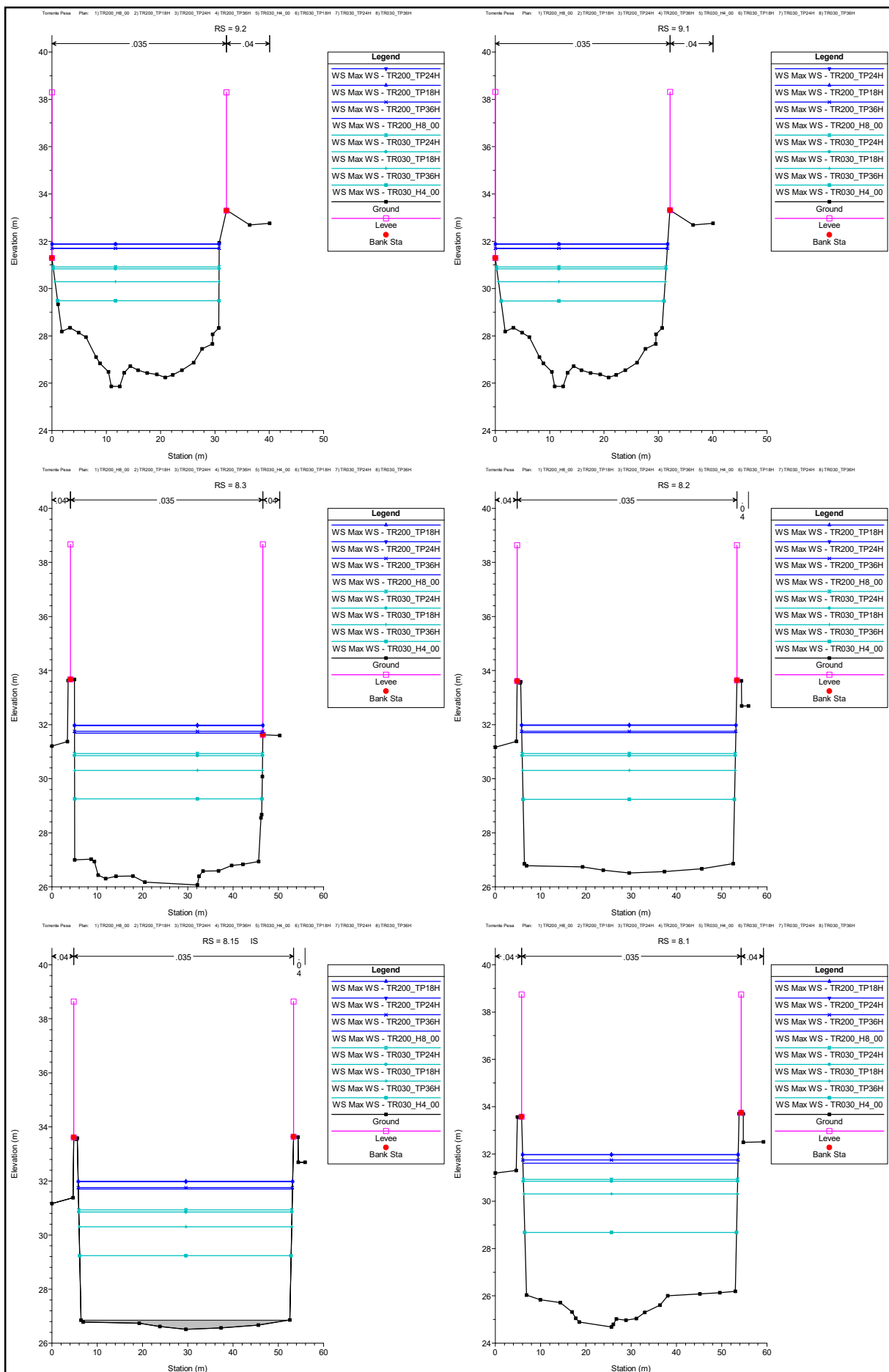


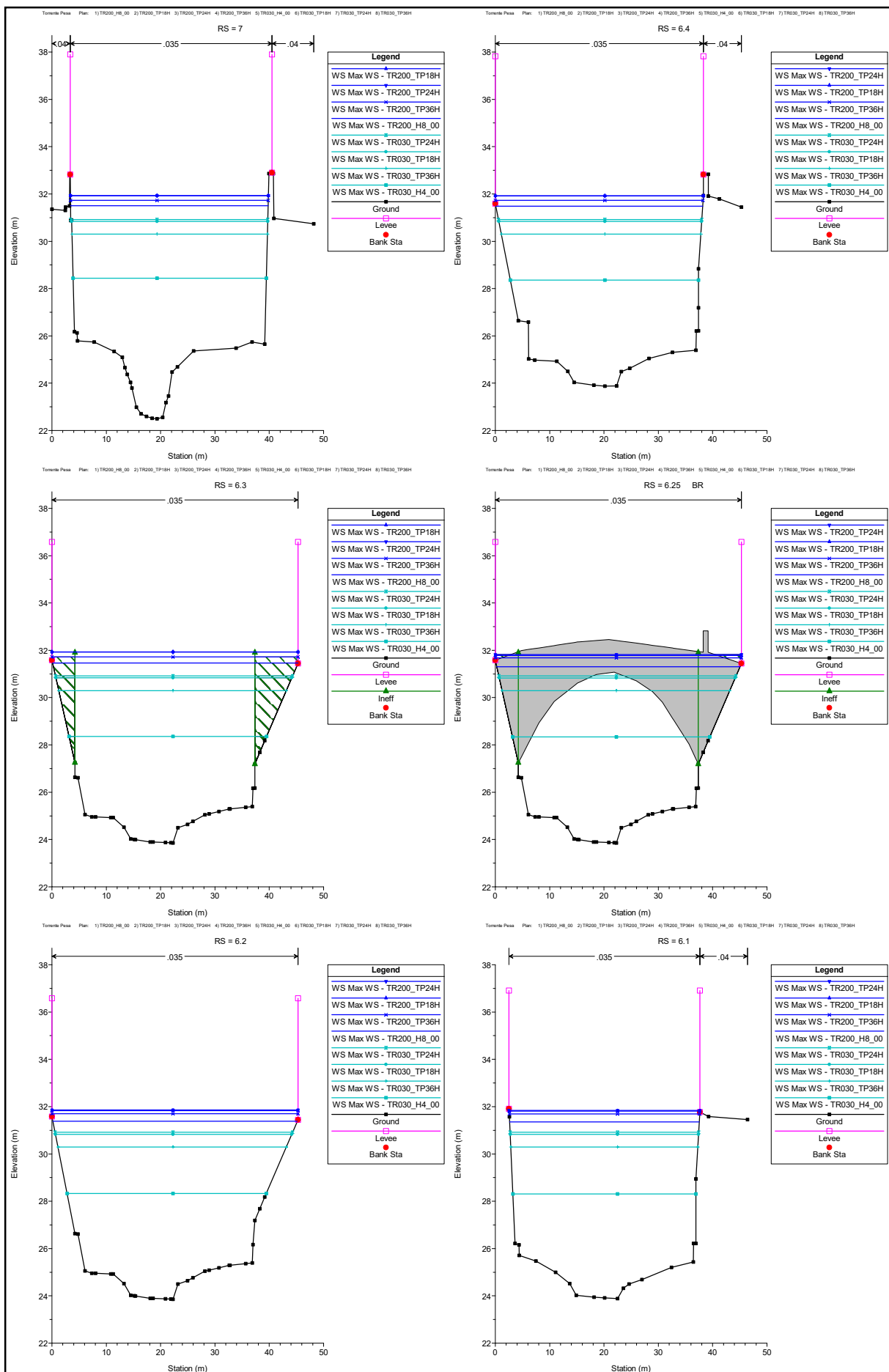


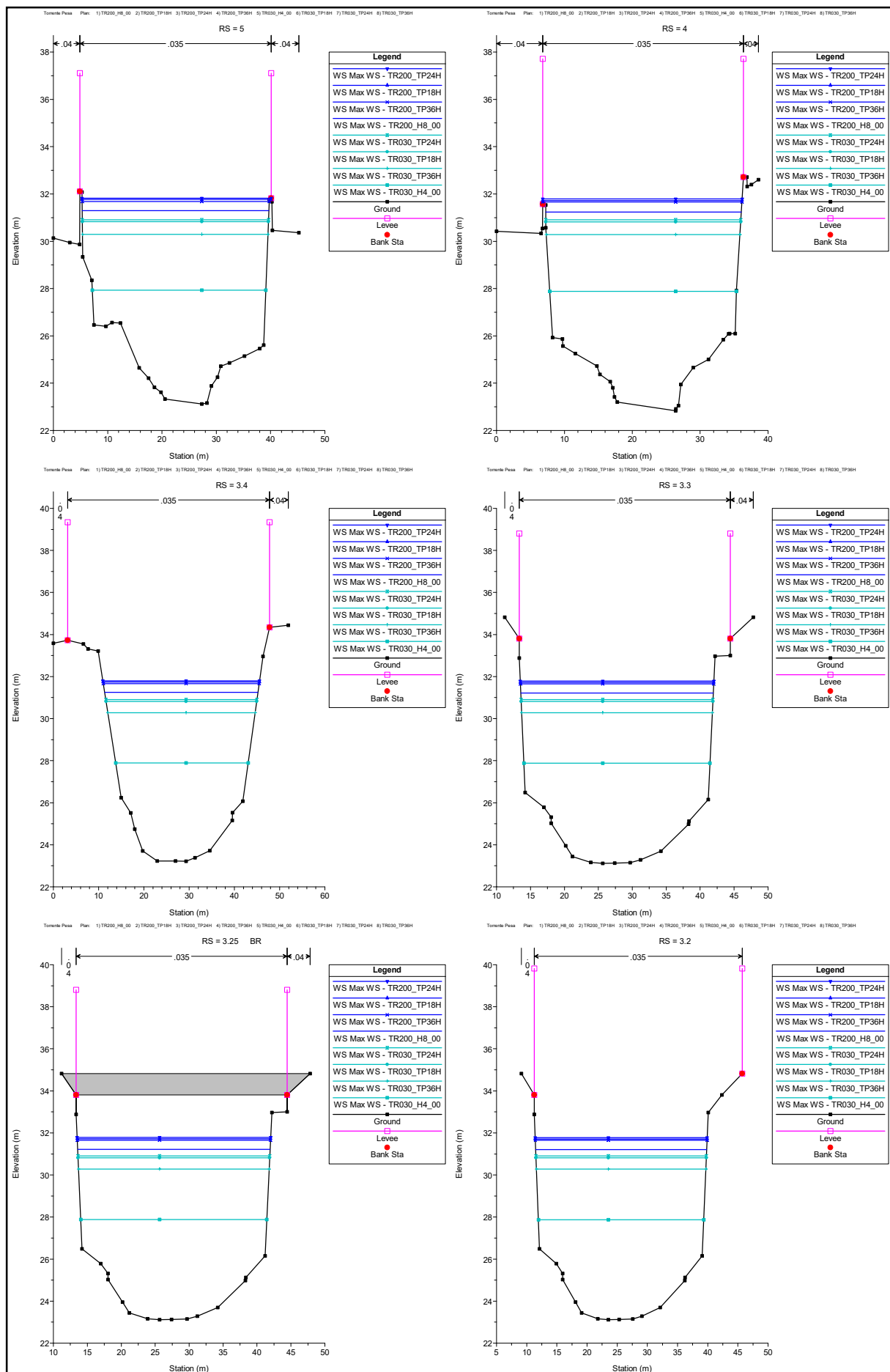


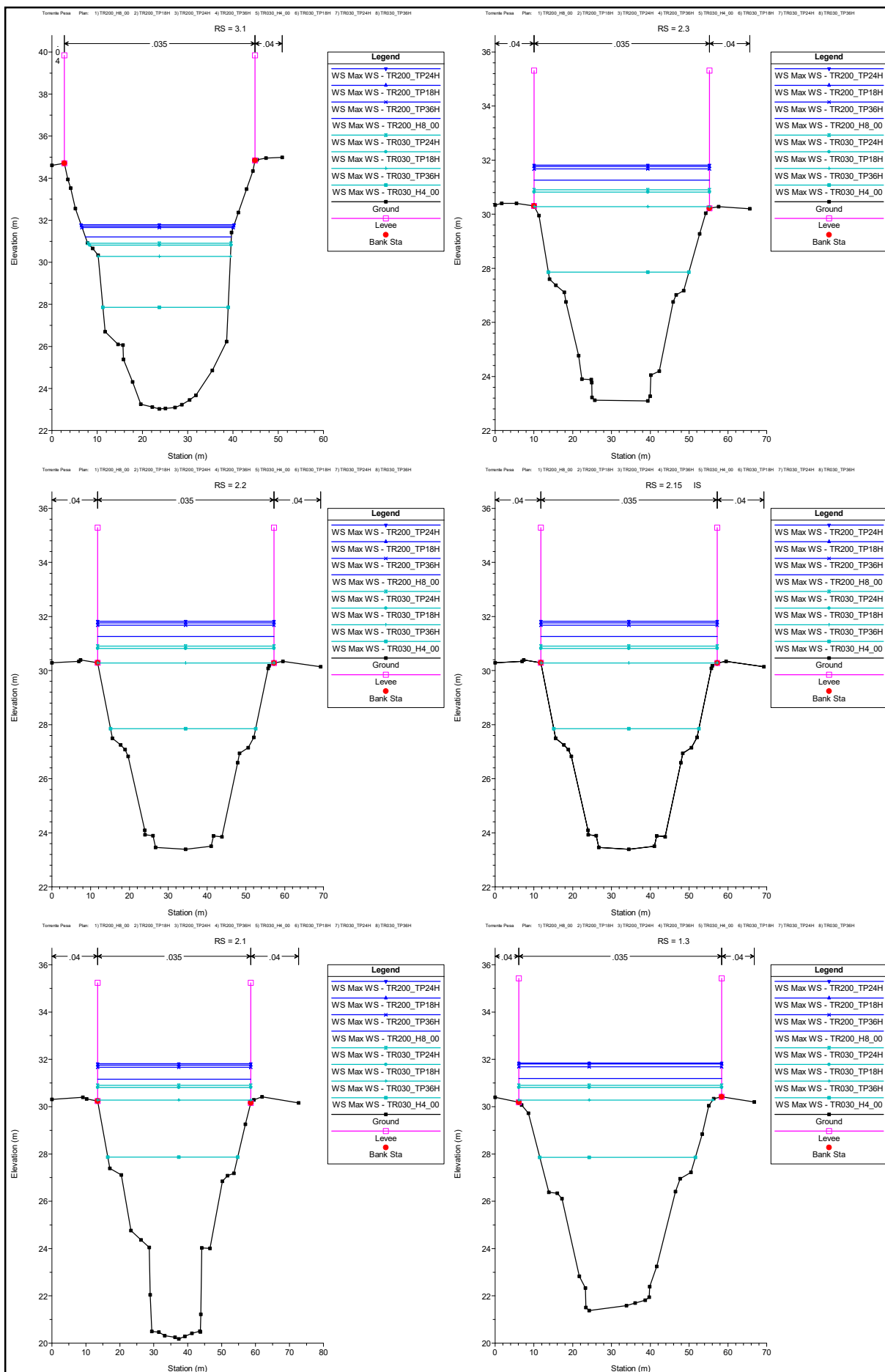


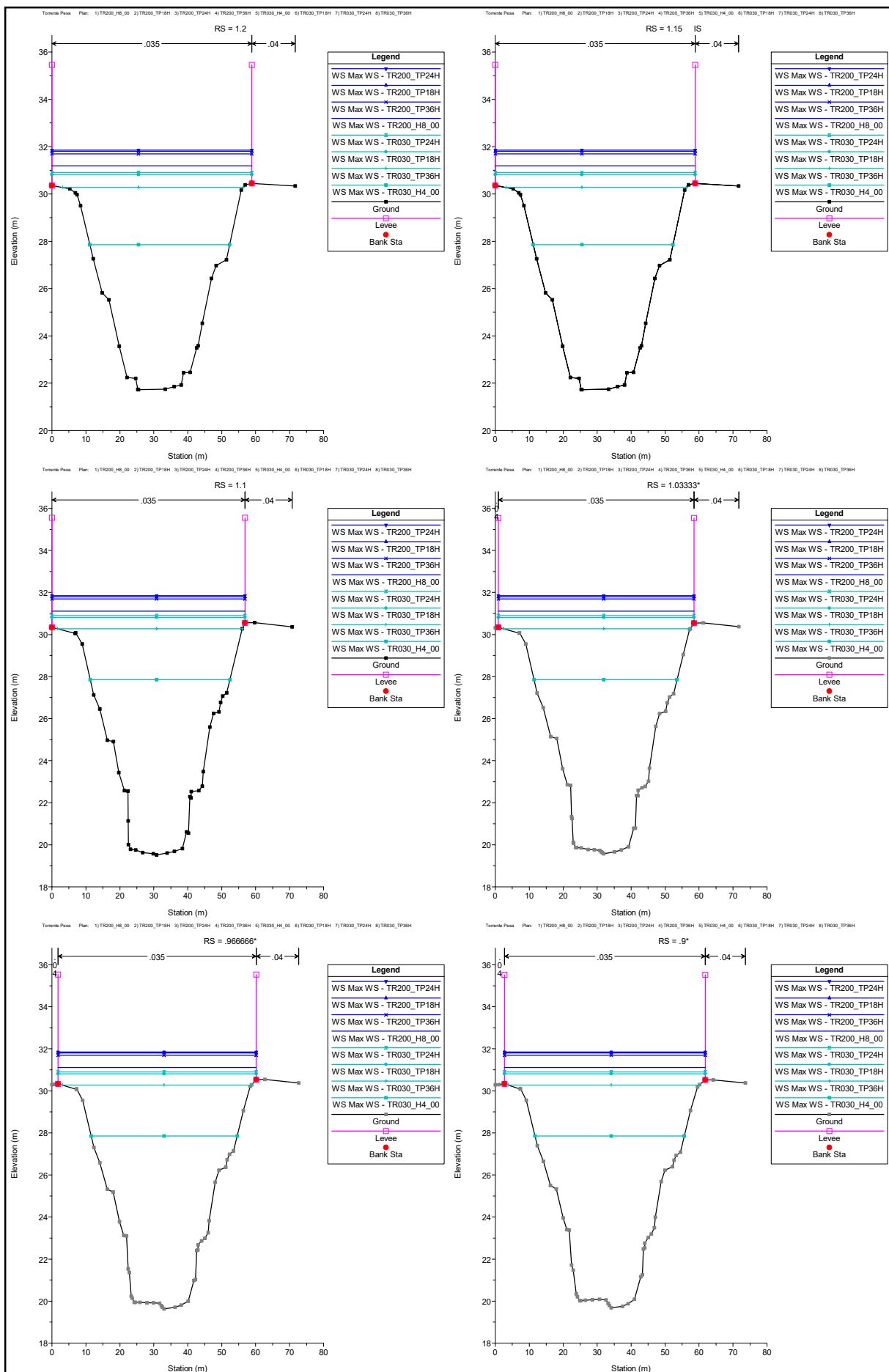


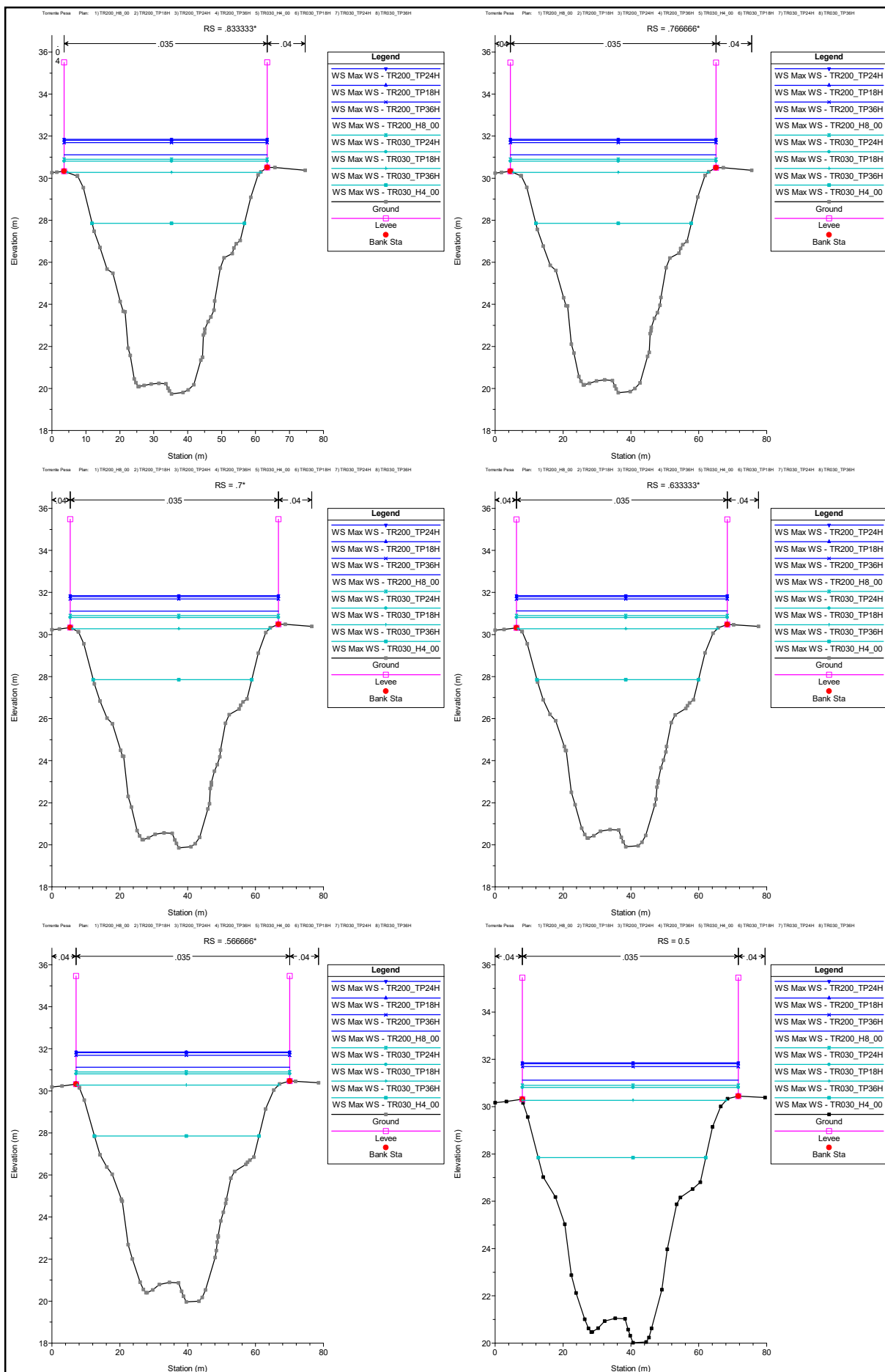












HEC-RAS Locations: User Defined Profile: Max WS

River	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
Torrente Pesa	Pesa	53 PE1053	Max WS	TR200_H8_00	566.51	38.14	43.82		44.18	0.002010	2.67	211.83	66.60	0.48
Torrente Pesa	Pesa	53 PE1053	Max WS	TR200_TP18H	362.66	38.14	42.78		43.09	0.002034	2.45	147.87	53.11	0.47
Torrente Pesa	Pesa	53 PE1053	Max WS	TR200_TP24H	297.41	38.14	42.40		42.67	0.002006	2.32	128.19	49.41	0.46
Torrente Pesa	Pesa	53 PE1053	Max WS	TR200_TP36H	210.10	38.14	41.82		42.04	0.002096	2.09	100.41	46.76	0.46
Torrente Pesa	Pesa	53 PE1053	Max WS	TR030_H4_00	302.23	38.14	42.42		42.70	0.002024	2.34	129.23	49.55	0.46
Torrente Pesa	Pesa	53 PE1053	Max WS	TR030_TP18H	204.00	38.14	41.77		41.99	0.002108	2.08	98.30	46.56	0.46
Torrente Pesa	Pesa	53 PE1053	Max WS	TR030_TP24H	151.10	38.14	41.31		41.51	0.002412	1.95	77.36	44.45	0.47
Torrente Pesa	Pesa	53 PE1053	Max WS	TR030_TP36H	89.40	38.14	40.60		40.77	0.002251	1.80	49.58	30.08	0.45
Torrente Pesa	Pesa	52.96		Lat Struct										
Torrente Pesa	Pesa	52.94		Lat Struct										
Torrente Pesa	Pesa	52 PE1052	Max WS	TR200_H8_00	575.41	37.89	43.48		44.10	0.004068	3.50	164.41	59.29	0.67
Torrente Pesa	Pesa	52 PE1052	Max WS	TR200_TP18H	362.63	37.89	42.27		42.88	0.004359	3.48	104.20	39.61	0.69
Torrente Pesa	Pesa	52 PE1052	Max WS	TR200_TP24H	297.41	37.89	41.92		42.47	0.004448	3.28	90.62	38.29	0.68
Torrente Pesa	Pesa	52 PE1052	Max WS	TR200_TP36H	210.10	37.89	41.38		41.83	0.004740	2.98	70.47	36.24	0.68
Torrente Pesa	Pesa	52 PE1052	Max WS	TR030_H4_00	308.33	37.89	42.00		42.55	0.004320	3.29	93.74	38.60	0.67
Torrente Pesa	Pesa	52 PE1052	Max WS	TR030_TP18H	204.00	37.89	41.33		41.78	0.004794	2.96	88.86	36.07	0.68
Torrente Pesa	Pesa	52 PE1052	Max WS	TR030_TP24H	151.10	37.89	40.91		41.30	0.004388	2.78	54.40	29.27	0.65
Torrente Pesa	Pesa	52 PE1052	Max WS	TR030_TP36H	89.40	37.89	40.29		40.58	0.004032	2.38	37.63	24.02	0.61
Torrente Pesa	Pesa	51 PE1051	Max WS	TR200_H8_00	575.39	37.93	43.24		43.81	0.003522	3.34	172.14	59.74	0.63
Torrente Pesa	Pesa	51 PE1051	Max WS	TR200_TP18H	362.64	37.93	42.08		42.60	0.003368	3.20	113.43	40.44	0.61
Torrente Pesa	Pesa	51 PE1051	Max WS	TR200_TP24H	297.41	37.93	41.72		42.18	0.003363	3.00	99.30	39.10	0.60
Torrente Pesa	Pesa	51 PE1051	Max WS	TR200_TP36H	210.10	37.93	41.17		41.54	0.003384	2.69	78.15	36.49	0.59
Torrente Pesa	Pesa	51 PE1051	Max WS	TR030_H4_00	308.29	37.93	41.78		42.25	0.003386	3.04	101.49	39.31	0.60
Torrente Pesa	Pesa	51 PE1051	Max WS	TR030_TP18H	204.00	37.93	41.12		41.48	0.003396	2.67	76.44	36.19	0.59
Torrente Pesa	Pesa	51 PE1051	Max WS	TR030_TP24H	151.09	37.93	40.71		41.01	0.003392	2.43	62.22	33.96	0.57
Torrente Pesa	Pesa	51 PE1051	Max WS	TR030_TP36H	89.40	37.93	40.11		40.32	0.003097	2.07	43.21	28.01	0.53
Torrente Pesa	Pesa	50 PE1050	Max WS	TR200_H8_00	575.36	36.75	43.01		43.55	0.003314	3.26	176.33	59.36	0.60
Torrente Pesa	Pesa	50 PE1050	Max WS	TR200_TP18H	362.63	36.75	41.91		42.37	0.002829	3.00	121.06	40.49	0.55
Torrente Pesa	Pesa	50 PE1050	Max WS	TR200_TP24H	297.41	36.75	41.56		41.95	0.002733	2.78	107.07	39.13	0.54
Torrente Pesa	Pesa	50 PE1050	Max WS	TR200_TP36H	210.10	36.75	41.01		41.31	0.002605	2.44	86.02	36.86	0.51
Torrente Pesa	Pesa	50 PE1050	Max WS	TR030_H4_00	308.27	36.75	41.60		42.01	0.002801	2.83	108.79	39.30	0.54
Torrente Pesa	Pesa	50 PE1050	Max WS	TR030_TP18H	204.00	36.75	40.96		41.26	0.002605	2.42	84.29	36.61	0.51
Torrente Pesa	Pesa	50 PE1050	Max WS	TR030_TP24H	151.09	36.75	40.56		40.80	0.002464	2.16	69.98	34.61	0.48
Torrente Pesa	Pesa	50 PE1050	Max WS	TR030_TP36H	89.40	36.75	39.99		40.14	0.001772	1.72	52.10	28.19	0.40
Torrente Pesa	Pesa	49 PE1049	Max WS	TR200_H8_00	575.35	37.56	42.66		43.34	0.004439	3.64	158.10	56.08	0.69
Torrente Pesa	Pesa	49 PE1049	Max WS	TR200_TP18H	362.63	37.56	41.53		42.12	0.003982	3.38	107.31	38.51	0.65
Torrente Pesa	Pesa	49 PE1049	Max WS	TR200_TP24H	297.40	37.56	41.21		41.71	0.003831	3.13	95.14	37.34	0.63
Torrente Pesa	Pesa	49 PE1049	Max WS	TR200_TP36H	210.10	37.56	40.69		41.08	0.003736	2.76	76.12	35.43	0.60
Torrente Pesa	Pesa	49 PE1049	Max WS	TR030_H4_00	308.22	37.56	41.27		41.78	0.003842	3.17	97.35	37.55	0.63
Torrente Pesa	Pesa	49 PE1049	Max WS	TR030_TP18H	203.99	37.56	40.64		41.02	0.003778	2.74	74.38	35.25	0.60
Torrente Pesa	Pesa	49 PE1049	Max WS	TR030_TP24H	151.09	37.56	40.25		40.57	0.003782	2.48	61.03	33.84	0.59
Torrente Pesa	Pesa	49 PE1049	Max WS	TR030_TP36H	89.40	37.56	39.74		39.95	0.003477	2.03	44.03	30.88	0.54
Torrente Pesa	Pesa	48.96		Lat Struct										
Torrente Pesa	Pesa	48 PE1048	Max WS	TR200_H8_00	575.25	36.69	42.29		42.90	0.004062	3.48	165.51	59.63	0.67
Torrente Pesa	Pesa	48 PE1048	Max WS	TR200_TP18H	362.59	36.69	41.24		41.76	0.003564	3.20	113.18	41.24	0.62
Torrente Pesa	Pesa	48 PE1048	Max WS	TR200_TP24H	297.40	36.69	40.92		41.37	0.003420	2.96	100.45	40.01	0.60
Torrente Pesa	Pesa	48 PE1048	Max WS	TR200_TP36H	210.10	36.69	40.43		40.76	0.002952	2.57	81.79	36.04	0.54
Torrente Pesa	Pesa	48 PE1048	Max WS	TR030_H4_00	308.10	36.69	40.97		41.43	0.003471	3.01	102.35	40.19	0.60
Torrente Pesa	Pesa	48 PE1048	Max WS	TR030_TP18H	203.99	36.69	40.37		40.71	0.002981	2.55	79.88	35.77	0.55
Torrente Pesa	Pesa	48 PE1048	Max WS	TR030_TP24H	151.08	36.69	40.00		40.26	0.002749	2.26	66.81	33.80	0.51
Torrente Pesa	Pesa	48 PE1048	Max WS	TR030_TP36H	89.40	36.69	39.53		39.68	0.002037	1.73	51.62	31.12	0.43
Torrente Pesa	Pesa	47 PE1047	Max WS	TR200_H8_00	575.14	36.88	41.99		42.62	0.004165	3.52	163.51	59.73	0.68
Torrente Pesa	Pesa	47 PE1047	Max WS	TR200_TP18H	362.49	36.88	40.82		41.46	0.004803	3.52	102.93	41.51	0.71
Torrente Pesa	Pesa	47 PE1047	Max WS	TR200_TP24H	297.40	36.88	40.53		41.08	0.004677	3.27	91.04	40.37	0.69
Torrente Pesa	Pesa	47 PE1047	Max WS	TR200_TP36H	210.10	36.88	40.06		40.49	0.004665	2.91	72.24	38.19	0.68
Torrente Pesa	Pesa	47 PE1047	Max WS	TR030_H4_00	307.96	36.88	40.63		41.17	0.004389	3.24	95.16	40.77	0.68
Torrente Pesa	Pesa	47 PE1047	Max WS	TR030_TP18H	203.98	36.88	40.01		40.44	0.004431	2.89	70.57	36.16	0.66
Torrente Pesa	Pesa	47 PE1047	Max WS	TR030_TP24H	151.08	36.88	39.72		40.04	0.003421	2.48	61.01	32.42	0.58
Torrente Pesa	Pesa	47 PE1047	Max WS	TR030_TP36H	89.40	36.88	39.37		39.54	0.002082	1.79	49.97	29.84	0.44
Torrente Pesa	Pesa	46 PE1046	Max WS	TR200_H8_00	589.81	35.92	41.83		42.17	0.001965	2.59	227.38	72.10	0.47
Torrente Pesa	Pesa	46 PE1046	Max WS	TR200_TP18H	366.63	35.92	40.83		41.10	0.002083	2.29	159.85	64.35	0.46
Torrente Pesa	Pesa	46 PE1046	Max WS	TR200_TP24H	298.83	35.92	40.51		40.74	0.002162	2.15	139.08	63.86	0.46
Torrente Pesa	Pesa	46 PE1046	Max WS	TR200_TP36H	209.80	35.92	39.95		40.16	0.002735	2.02	103.85	63.02	0.50
Torrente Pesa	Pesa	46 PE1046	Max WS	TR030_H4_00	307.68	35.92	40.54		40.78	0.002194	2.18	140.99	63.91	0.47
Torrente Pesa	Pesa	46 PE1046	Max WS	TR030_TP18H	203.77	35.92	39.91		40.12	0.002804	2.01	101.22	62.96	0.51
Torrente Pesa	Pesa	46 PE1046	Max WS	TR030_TP24H	151.07	35.92	39.58		39.76	0.003245	1.88	80.50	62.46	0.53
Torrente Pesa	Pesa	46 PE1046	Max WS	TR030_TP36H	89.40	35.92	39.21		39.33	0.003230	1.56	57.44	59.15	0.50
Torrente Pesa	Pesa	45 PE1045	Max WS	TR200_H8_00	615.05	36.44	41.86		42.00	0.000706	1.64	376.11	114.59	0.29
Torrente Pesa	Pesa	45 PE1045	Max WS	TR200_TP18H	359.81	36.44	40.88		40.97	0.000734	1.36	265.32	111.11	0.28
Torrente Pesa	Pesa	45 PE1045	Max WS	TR200_TP24H	295.27	36.44	40.53		40.62	0.000819	1.30	226.73	109.87	0.29
Torrente Pesa	Pesa	45 PE1045	Max WS	TR200_TP36H	210.10	36.44	39.92		40.01	0.001284	1.31	160.23	108.43	0.34
Torrente Pesa	Pesa	45 PE1045	Max WS	TR030_H4_00	304.83	36.44	40.56		40.65	0.000834	1.33	229.91	109.97	0.29
Torrente Pesa	Pesa	45 PE1045	Max WS	TR030_TP18H	203.97	36.44	39.87		39.96	0.001346	1.31	155.14	108.37	0.35
Torrente Pesa	Pesa	45 PE1045	Max WS	TR030_TP24H	151.06	36.44	39.49		39.58	0.002074	1.33	113.39	107.87	0.41
Torrente Pesa	Pesa	45 PE1045	Max WS	TR030_TP36H	89.40	36.44	39.01		39.11	0.003890	1.37	65.25	95.47	0.53
Torrente Pesa	Pesa	44 PE1044	Max WS	TR200_H8_00	596.64	35.52	41.76		41.95	0.000990	1.95	306.09	90.08	0.34
Torrente Pesa	Pesa	44 PE1044	Max WS	TR200_TP18H	338.93	35.52	40.82		40.94	0.000856	1.52	223.12	86.35	0.30
Torrente Pesa	Pesa	44 PE1044	Max WS	TR200_TP24H	281.03	35.52	40.46		40.57	0.000936	1.46	192.66	85.06	0.31
Torrente Pesa	Pesa	44 PE1044	Max WS	TR200_TP36H	204.77	35.52	39.82		39.93	0.001443	1.48	138.37	83.37	0.37
Torrente Pesa	Pesa	44 PE1044	Max WS	TR030_H4_00	288.90	35.52	40.49		40.61	0.000950	1.48	195.15	85.17	0.31
Torrente Pesa	Pesa	44 PE1044	Max WS	TR030_TP18H	199.27	35.52	39.77		39.88	0.001516	1.49	134.03	83.27	0.37
Torrente Pesa	Pesa	44 PE1044	Max WS	TR030_TP24H	150.24	35.52	39.32		39.44	0.002498	1.55	96.79	82.49	0.46
Torrente Pesa	Pesa	44 PE1044	Max WS	TR030_TP36H	89.40	35.52	38.71		38.86	0.004399	1.70	52.61	59.54	0.58
Torrente Pesa	Pesa	43 PE1043	Max WS	TR200_H8_00	617.66	35.65	41.64		41.87	0.00				

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

River	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
Torrente Pesa	Pesa	42 PE1042	Max WS	TR200_TP24H	297.36	35.81	40.02		40.37	0.002597	2.63	112.97	44.75	0.53
Torrente Pesa	Pesa	42 PE1042	Max WS	TR200_TP36H	210.10	35.81	39.42		39.71	0.002545	2.39	88.08	39.91	0.51
Torrente Pesa	Pesa	42 PE1042	Max WS	TR030_H4_00	307.70	35.81	40.03		40.41	0.002748	2.71	113.57	44.95	0.54
Torrente Pesa	Pesa	42 PE1042	Max WS	TR030_TP18H	203.94	35.81	39.37		39.66	0.002580	2.37	85.98	39.72	0.51
Torrente Pesa	Pesa	42 PE1042	Max WS	TR030_TP24H	151.03	35.81	38.91		39.16	0.002904	2.22	67.93	37.96	0.53
Torrente Pesa	Pesa	42 PE1042	Max WS	TR030_TP36H	89.39	35.81	38.24		38.44	0.003130	1.99	44.98	31.54	0.53
Torrente Pesa	Pesa	41.94		Lat Struct										
Torrente Pesa	Pesa	41 PE1041	Max WS	TR200_H8_00	617.57	35.38	40.74		41.80	0.004976	4.56	135.55	33.94	0.73
Torrente Pesa	Pesa	41 PE1041	Max WS	TR200_TP18H	362.02	35.38	39.89		40.47	0.003596	3.40	106.57	33.94	0.61
Torrente Pesa	Pesa	41 PE1041	Max WS	TR200_TP24H	297.37	35.38	39.74		40.18	0.002778	2.93	101.59	33.54	0.54
Torrente Pesa	Pesa	41 PE1041	Max WS	TR200_TP36H	210.10	35.38	39.21		39.53	0.002521	2.50	83.91	33.39	0.50
Torrente Pesa	Pesa	41 PE1041	Max WS	TR030_H4_00	309.73	35.38	39.71		40.19	0.003108	3.08	100.59	33.54	0.57
Torrente Pesa	Pesa	41 PE1041	Max WS	TR030_TP18H	203.94	35.38	39.16		39.47	0.002534	2.48	82.20	33.34	0.50
Torrente Pesa	Pesa	41 PE1041	Max WS	TR030_TP24H	151.03	35.38	38.70		38.96	0.002632	2.25	67.05	32.89	0.50
Torrente Pesa	Pesa	41 PE1041	Max WS	TR030_TP36H	89.39	35.38	38.04		38.23	0.002753	1.94	46.17	29.62	0.50
Torrente Pesa	Pesa	40 PE1040	Max WS	TR200_H8_00	566.20	35.39	40.61		40.99	0.001936	2.73	207.09	60.27	0.47
Torrente Pesa	Pesa	40 PE1040	Max WS	TR200_TP18H	353.46	35.39	40.01		40.23	0.001390	2.07	171.13	60.27	0.39
Torrente Pesa	Pesa	40 PE1040	Max WS	TR200_TP24H	294.33	35.39	39.81		39.98	0.001215	1.85	158.79	59.81	0.36
Torrente Pesa	Pesa	40 PE1040	Max WS	TR200_TP36H	210.10	35.39	39.22		39.36	0.001217	1.68	124.96	54.74	0.36
Torrente Pesa	Pesa	40 PE1040	Max WS	TR030_H4_00	307.50	35.39	39.76		39.96	0.001396	1.97	155.96	59.43	0.39
Torrente Pesa	Pesa	40 PE1040	Max WS	TR030_TP18H	203.93	35.39	39.16		39.31	0.001219	1.67	121.97	53.89	0.35
Torrente Pesa	Pesa	40 PE1040	Max WS	TR030_TP24H	151.03	35.39	38.67		38.80	0.001381	1.57	96.07	51.24	0.37
Torrente Pesa	Pesa	40 PE1040	Max WS	TR030_TP36H	89.39	35.39	37.95		38.06	0.001808	1.46	61.03	44.29	0.40
Torrente Pesa	Pesa	39 PE1039	Max WS	TR200_H8_00	539.60	35.39	40.53		40.89	0.001894	2.67	202.34	60.27	0.46
Torrente Pesa	Pesa	39 PE1039	Max WS	TR200_TP18H	340.34	35.39	39.94		40.15	0.001394	2.04	166.99	60.27	0.39
Torrente Pesa	Pesa	39 PE1039	Max WS	TR200_TP24H	289.10	35.39	39.73		39.91	0.001276	1.88	154.15	59.22	0.37
Torrente Pesa	Pesa	39 PE1039	Max WS	TR200_TP36H	210.10	35.39	39.12		39.28	0.001354	1.75	119.75	53.25	0.37
Torrente Pesa	Pesa	39 PE1039	Max WS	TR030_H4_00	303.70	35.39	39.66		39.87	0.001523	2.02	150.01	58.74	0.40
Torrente Pesa	Pesa	39 PE1039	Max WS	TR030_TP18H	203.93	35.39	39.07		39.22	0.001377	1.75	116.77	52.97	0.38
Torrente Pesa	Pesa	39 PE1039	Max WS	TR030_TP24H	151.03	35.39	38.55		38.69	0.001688	1.68	90.07	50.73	0.40
Torrente Pesa	Pesa	39 PE1039	Max WS	TR030_TP36H	89.39	35.39	37.78		37.92	0.002456	1.66	53.98	40.93	0.46
Torrente Pesa	Pesa	38 PE1038	Max WS	TR200_H8_00	480.10	34.21	40.09		40.82	0.004145	3.77	127.40	37.49	0.65
Torrente Pesa	Pesa	38 PE1038	Max WS	TR200_TP18H	287.22	34.21	39.76		40.08	0.002050	2.50	114.91	37.49	0.46
Torrente Pesa	Pesa	38 PE1038	Max WS	TR200_TP24H	246.27	34.21	39.56		39.83	0.001819	2.29	107.57	36.85	0.43
Torrente Pesa	Pesa	38 PE1038	Max WS	TR200_TP36H	195.82	34.21	38.87		39.15	0.002040	2.31	84.89	31.38	0.45
Torrente Pesa	Pesa	38 PE1038	Max WS	TR030_H4_00	267.28	34.21	39.40		39.75	0.002334	2.62	101.87	34.11	0.48
Torrente Pesa	Pesa	38 PE1038	Max WS	TR030_TP18H	191.46	34.21	38.81		39.08	0.002100	2.31	82.84	31.25	0.45
Torrente Pesa	Pesa	38 PE1038	Max WS	TR030_TP24H	148.98	34.21	38.24		38.50	0.002507	2.28	65.41	29.26	0.49
Torrente Pesa	Pesa	38 PE1038	Max WS	TR030_TP36H	89.39	34.21	37.50		37.70	0.002331	2.00	44.80	23.39	0.46
Torrente Pesa	Pesa	37 PE1037	Max WS	TR200_H8_00	442.91	34.15	39.78		40.43	0.004633	3.57	123.93	44.54	0.68
Torrente Pesa	Pesa	37 PE1037	Max WS	TR200_TP18H	311.04	34.15	38.98		39.60	0.006559	3.50	88.77	43.50	0.78
Torrente Pesa	Pesa	37 PE1037	Max WS	TR200_TP24H	273.46	34.15	38.63		39.31	0.007388	3.67	74.54	36.82	0.82
Torrente Pesa	Pesa	37 PE1037	Max WS	TR200_TP36H	209.98	34.15	38.06		38.72	0.005844	3.60	58.37	24.01	0.74
Torrente Pesa	Pesa	37 PE1037	Max WS	TR030_H4_00	292.26	34.15	38.90		39.50	0.006310	3.42	85.54	42.20	0.77
Torrente Pesa	Pesa	37 PE1037	Max WS	TR030_TP18H	203.86	34.15	38.01		38.66	0.005833	3.56	57.26	23.93	0.73
Torrente Pesa	Pesa	37 PE1037	Max WS	TR030_TP24H	151.02	34.15	37.63		38.13	0.005375	3.13	48.19	23.24	0.69
Torrente Pesa	Pesa	37 PE1037	Max WS	TR030_TP36H	89.39	34.15	37.10		37.41	0.004126	2.45	36.54	21.32	0.60
Torrente Pesa	Pesa	36 PE1036	Max WS	TR200_H8_00	419.54	34.28	39.64		40.07	0.002539	2.89	144.92	46.87	0.53
Torrente Pesa	Pesa	36 PE1036	Max WS	TR200_TP18H	313.06	34.28	38.78		39.23	0.004001	2.99	104.60	46.72	0.64
Torrente Pesa	Pesa	36 PE1036	Max WS	TR200_TP24H	274.26	34.28	38.43		38.90	0.004141	3.05	89.85	39.95	0.65
Torrente Pesa	Pesa	36 PE1036	Max WS	TR200_TP36H	209.98	34.28	37.91		38.36	0.004265	2.98	70.43	32.96	0.65
Torrente Pesa	Pesa	36 PE1036	Max WS	TR030_H4_00	292.88	34.28	38.60		39.07	0.003840	3.03	96.61	40.94	0.63
Torrente Pesa	Pesa	36 PE1036	Max WS	TR030_TP18H	203.86	34.28	37.85		38.30	0.004314	2.97	68.61	32.55	0.65
Torrente Pesa	Pesa	36 PE1036	Max WS	TR030_TP24H	151.02	34.28	37.41		37.80	0.004435	2.75	54.96	29.93	0.65
Torrente Pesa	Pesa	36 PE1036	Max WS	TR030_TP36H	89.39	34.28	36.90		37.15	0.003856	2.22	40.23	27.13	0.58
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR200_H8_00	413.73	34.35	39.56		40.05	0.002627	3.10	133.62	37.66	0.52
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR200_TP18H	313.48	34.35	38.68		39.18	0.003658	3.11	100.73	37.47	0.61
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR200_TP24H	274.37	34.35	38.39		38.85	0.003166	3.02	90.96	31.48	0.57
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR200_TP36H	209.98	34.35	37.90		38.29	0.003187	2.76	76.03	30.55	0.56
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR030_H4_00	292.90	34.35	38.54		39.02	0.003184	3.06	95.84	32.65	0.57
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR030_TP18H	203.86	34.35	37.85		38.23	0.003213	2.74	74.39	30.47	0.56
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR030_TP24H	151.02	34.35	37.42		37.73	0.003203	2.46	61.39	29.91	0.55
Torrente Pesa	Pesa	35.4 PE1035_A	Max WS	TR030_TP36H	89.39	34.35	36.90		37.09	0.002803	1.95	45.88	29.21	0.50
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR200_H8_00	413.69	34.36	39.50	38.08	40.05	0.002599	3.27	126.50	31.85	0.52
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR200_TP18H	313.48	34.36	38.67	37.61	39.17	0.003066	3.13	100.09	31.68	0.56
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR200_TP24H	274.37	34.36	38.38	37.41	38.85	0.003146	3.01	91.00	31.49	0.57
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR200_TP36H	209.98	34.36	37.90	37.07	38.29	0.003173	2.76	76.05	30.59	0.56
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR030_H4_00	292.90	34.36	38.54	37.51	39.01	0.003061	3.06	95.84	31.65	0.56
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR030_TP18H	203.86	34.36	37.85	37.03	38.23	0.003199	2.74	74.41	30.52	0.56
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR030_TP24H	151.02	34.36	37.42	36.72	37.73	0.003191	2.46	61.38	29.94	0.55
Torrente Pesa	Pesa	35.3 PE1035_C	Max WS	TR030_TP36H	89.39	34.36	36.89	36.29	37.09	0.002792	1.95	45.87	29.23	0.50
Torrente Pesa	Pesa	35.25		Bridge										
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR200_H8_00	413.11	34.22	39.14		39.84	0.003799	3.71	111.46	31.27	0.63
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR200_TP18H	313.44	34.22	38.07		38.88	0.006229	3.97	78.87	29.62	0.78
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR200_TP24H	274.34	34.22	37.91		38.61	0.005766	3.70	74.15	29.38	0.74
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR200_TP36H	209.98	34.22	37.48		38.07	0.006008	3.41	61.53	28.71	0.74
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR030_H4_00	292.89	34.22	38.16		38.82	0.004920	3.59	81.51	29.76	0.69
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR030_TP18H	203.85	34.22	37.45		38.02	0.005870	3.35	60.82	28.68	0.73
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR030_TP24H	151.02	34.22	37.20		37.60	0.004749	2.81	53.69	28.29	0.65
Torrente Pesa	Pesa	35.2 PE1035_d	Max WS	TR030_TP36H	89.39	34.22	36.79		37.02	0.003562	2.12	42.14	27.66	0.55
Torrente Pesa	Pesa	35.1 PE1035_E	Max WS	TR200_H8_00	412.61	34.23	39.16		39.80	0.003500	3.54	116.53	33.51	0.61
Torrente Pesa	Pesa	35.1 PE1035_E	Max WS	TR200_TP18H	313.44	34.23	38.12		38.86	0.005742	3.79	82		

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

River	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
Torrente Pesa	Pesa	34.3 PE1034_A	Max WS	TR030_TP24H	151.02	34.56	37.28		37.47	0.001994	1.91	79.10	41.12	0.44
Torrente Pesa	Pesa	34.3 PE1034_A	Max WS	TR030_TP36H	89.39	34.56	36.81		36.92	0.001705	1.50	59.78	40.44	0.39
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR200_H8_00	438.03	35.19	39.29	37.62	39.50	0.001140	2.05	213.60	63.79	0.36
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR200_TP18H	313.63	35.19	38.43	37.23	38.63	0.001519	1.98	158.75	63.79	0.40
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR200_TP24H	274.37	35.19	38.20	37.09	38.39	0.001581	1.90	144.38	63.79	0.40
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR200_TP36H	209.98	35.19	37.68	36.85	37.86	0.002164	1.89	110.98	63.42	0.46
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR030_H4_00	304.83	35.19	38.29	37.20	38.50	0.001721	2.03	150.10	63.79	0.42
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR030_TP18H	203.86	35.19	37.64	36.82	37.82	0.002166	1.88	108.69	62.98	0.46
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR030_TP24H	151.02	35.19	37.30	36.59	37.45	0.002199	1.72	87.83	58.89	0.45
Torrente Pesa	Pesa	34.2 PE1034_B	Max WS	TR030_TP36H	89.39	35.19	36.80	36.29	36.91	0.002407	1.50	59.77	53.21	0.45
Torrente Pesa	Pesa	34.15		Ini Struct										
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR200_H8_00	438.04	34.44	39.20		39.39	0.000902	1.90	230.23	64.76	0.32
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR200_TP18H	313.63	34.44	38.40		38.58	0.001046	1.76	178.55	64.76	0.34
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR200_TP24H	274.37	34.44	38.18		38.32	0.001048	1.67	164.24	64.76	0.33
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR200_TP36H	209.98	34.44	37.67		37.80	0.001273	1.60	131.18	64.76	0.36
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR030_H4_00	304.83	34.44	38.27		38.44	0.001158	1.79	169.98	64.76	0.35
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR030_TP18H	203.86	34.44	37.64		37.76	0.001271	1.58	128.87	64.76	0.36
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR030_TP24H	151.02	34.44	37.30		37.40	0.001223	1.41	107.40	62.88	0.34
Torrente Pesa	Pesa	34.1 PE1034_C	Max WS	TR030_TP36H	89.39	34.44	36.80		36.87	0.001185	1.16	77.06	59.23	0.32
Torrente Pesa	Pesa	34.096		Lat Struct										
Torrente Pesa	Pesa	34.094		Lat Struct										
Torrente Pesa	Pesa	33 PE1033	Max WS	TR200_H8_00	485.70	33.63	38.89		39.17	0.001956	2.36	206.16	77.50	0.46
Torrente Pesa	Pesa	33 PE1033	Max WS	TR200_TP18H	328.48	33.63	37.94		38.25	0.003579	2.46	133.68	75.47	0.59
Torrente Pesa	Pesa	33 PE1033	Max WS	TR200_TP24H	282.50	33.63	37.69		38.00	0.003929	2.45	115.40	70.26	0.61
Torrente Pesa	Pesa	33 PE1033	Max WS	TR200_TP36H	210.08	33.63	37.26		37.53	0.003011	2.32	90.40	48.30	0.54
Torrente Pesa	Pesa	33 PE1033	Max WS	TR030_H4_00	309.49	33.63	37.79		38.11	0.004184	2.53	122.23	74.26	0.63
Torrente Pesa	Pesa	33 PE1033	Max WS	TR030_TP18H	203.90	33.63	37.23		37.49	0.002972	2.29	89.06	48.21	0.54
Torrente Pesa	Pesa	33 PE1033	Max WS	TR030_TP24H	151.01	33.63	36.95		37.15	0.002698	1.99	75.91	47.28	0.50
Torrente Pesa	Pesa	33 PE1033	Max WS	TR030_TP36H	89.39	33.63	36.50		36.63	0.002642	1.63	54.83	45.50	0.47
Torrente Pesa	Pesa	32 PE1032	Max WS	TR200_H8_00	572.19	33.92	38.73		38.93	0.001187	1.96	292.68	101.08	0.37
Torrente Pesa	Pesa	32 PE1032	Max WS	TR200_TP18H	348.77	33.92	37.79		37.95	0.001546	1.76	198.33	99.05	0.40
Torrente Pesa	Pesa	32 PE1032	Max WS	TR200_TP24H	291.43	33.92	37.54		37.69	0.001655	1.67	174.01	98.71	0.40
Torrente Pesa	Pesa	32 PE1032	Max WS	TR200_TP36H	209.79	33.92	37.17		37.29	0.001408	1.50	140.03	83.39	0.37
Torrente Pesa	Pesa	32 PE1032	Max WS	TR030_H4_00	314.13	33.92	37.61		37.77	0.001687	1.73	181.12	98.81	0.41
Torrente Pesa	Pesa	32 PE1032	Max WS	TR030_TP18H	203.65	33.92	37.14		37.25	0.001393	1.48	137.60	82.86	0.37
Torrente Pesa	Pesa	32 PE1032	Max WS	TR030_TP24H	151.01	33.92	36.85		36.94	0.001373	1.33	113.64	79.83	0.36
Torrente Pesa	Pesa	32 PE1032	Max WS	TR030_TP36H	89.39	33.92	36.34		36.41	0.001830	1.20	74.22	75.10	0.39
Torrente Pesa	Pesa	31 PE1031	Max WS	TR200_H8_00	630.56	33.13	38.53		38.80	0.001698	2.31	272.61	95.15	0.44
Torrente Pesa	Pesa	31 PE1031	Max WS	TR200_TP18H	361.64	33.13	37.65		37.83	0.001797	1.91	189.54	92.92	0.43
Torrente Pesa	Pesa	31 PE1031	Max WS	TR200_TP24H	297.08	33.13	37.42		37.58	0.001772	1.76	168.43	91.98	0.42
Torrente Pesa	Pesa	31 PE1031	Max WS	TR200_TP36H	210.10	33.13	37.07		37.19	0.001732	1.54	136.83	90.56	0.40
Torrente Pesa	Pesa	31 PE1031	Max WS	TR030_H4_00	320.05	33.13	37.48		37.66	0.001833	1.83	174.56	92.26	0.43
Torrente Pesa	Pesa	31 PE1031	Max WS	TR030_TP18H	203.88	33.13	37.04		37.16	0.001735	1.52	134.24	90.44	0.40
Torrente Pesa	Pesa	31 PE1031	Max WS	TR030_TP24H	151.01	33.13	36.76		36.85	0.001500	1.37	110.15	77.25	0.37
Torrente Pesa	Pesa	31 PE1031	Max WS	TR030_TP36H	89.39	33.13	36.24		36.32	0.001456	1.19	74.89	62.87	0.35
Torrente Pesa	Pesa	30.396		Lat Struct										
Torrente Pesa	Pesa	30 PE1030	Max WS	TR200_H8_00	622.59	33.50	38.22		38.61	0.002613	2.77	225.00	83.78	0.54
Torrente Pesa	Pesa	30 PE1030	Max WS	TR200_TP18H	354.92	33.50	37.30		37.59	0.003231	2.39	148.61	81.50	0.56
Torrente Pesa	Pesa	30 PE1030	Max WS	TR200_TP24H	294.05	33.50	37.04		37.31	0.003617	2.30	127.82	80.86	0.58
Torrente Pesa	Pesa	30 PE1030	Max WS	TR200_TP36H	209.86	33.50	36.63		36.88	0.004603	2.21	94.86	76.39	0.63
Torrente Pesa	Pesa	30 PE1030	Max WS	TR030_H4_00	316.06	33.50	37.11		37.40	0.003633	2.37	133.45	81.04	0.59
Torrente Pesa	Pesa	30 PE1030	Max WS	TR030_TP18H	203.74	33.50	36.59		36.84	0.004676	2.21	92.34	75.52	0.64
Torrente Pesa	Pesa	30 PE1030	Max WS	TR030_TP24H	151.01	33.50	36.29		36.52	0.005142	2.13	71.02	65.78	0.65
Torrente Pesa	Pesa	30 PE1030	Max WS	TR030_TP36H	89.39	33.50	35.83		36.03	0.004302	1.97	45.44	40.91	0.60
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR200_H8_00	645.81	33.84	37.85		38.45	0.003987	3.42	188.85	68.95	0.66
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR200_TP18H	355.24	33.84	36.90		37.32	0.004465	2.85	124.70	65.81	0.66
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR200_TP24H	294.05	33.84	36.66		37.03	0.004459	2.70	108.95	62.31	0.65
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR200_TP36H	209.86	33.84	36.30		36.59	0.003866	2.39	87.95	54.33	0.60
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR030_H4_00	316.06	33.84	36.75		37.14	0.004473	2.76	114.52	63.47	0.66
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR030_TP18H	203.74	33.84	36.27		36.55	0.003844	2.36	86.40	54.11	0.60
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR030_TP24H	151.01	33.84	36.00		36.22	0.003769	2.10	71.88	53.00	0.58
Torrente Pesa	Pesa	29.3 PE1029_A	Max WS	TR030_TP36H	89.39	33.84	35.62		35.77	0.003266	1.71	52.42	47.64	0.52
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR200_H8_00	645.81	34.36	37.84	37.14	38.42	0.004476	3.38	190.96	76.37	0.68
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR200_TP18H	355.24	34.36	36.89	36.38	37.30	0.004552	2.85	124.64	65.44	0.66
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR200_TP24H	294.05	34.36	36.64	36.14	37.02	0.004903	2.71	108.37	64.96	0.67
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR200_TP36H	209.86	34.36	36.26	35.84	36.57	0.004774	2.47	85.10	57.85	0.65
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR030_H4_00	316.06	34.36	36.73	36.21	37.12	0.004756	2.76	114.37	65.14	0.67
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR030_TP18H	203.74	34.36	36.23	35.82	36.54	0.004476	2.44	83.49	54.83	0.63
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR030_TP24H	151.01	34.36	35.96	35.59	36.21	0.004569	2.20	68.62	54.03	0.62
Torrente Pesa	Pesa	29.2 PE1029_B	Max WS	TR030_TP36H	89.39	34.36	35.58	35.31	35.75	0.004688	1.85	48.33	51.02	0.61
Torrente Pesa	Pesa	29.15		Ini Struct										
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR200_H8_00	645.79	30.86	37.49		37.73	0.000833	2.16	299.16	64.84	0.32
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR200_TP18H	355.23	30.86	36.36		36.48	0.000584	1.56	227.04	61.99	0.26
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR200_TP24H	294.05	30.86	36.01		36.11	0.000546	1.43	205.49	61.30	0.25
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR200_TP36H	209.86	30.86	35.36		35.44	0.000543	1.26	166.09	60.02	0.24
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR030_H4_00	316.00	30.86	36.11		36.23	0.000572	1.49	212.02	61.51	0.26
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR030_TP18H	203.73	30.86	35.31		35.39	0.000541	1.25	163.22	59.93	0.24
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR030_TP24H	151.01	30.86	34.86		34.92	0.000523	1.11	136.53	59.05	0.23
Torrente Pesa	Pesa	29.1 PE1029_C	Max WS	TR030_TP36H	89.39	30.86	34.26		34.30	0.000435	0.88	101.88	54.55	0.21
Torrente Pesa	Pesa	28.96		Lat Struct										
Torrente Pesa	Pesa	28.94		Lat Struct										
Torrente Pesa	Pesa	28.84		Lat Struct										
Torrente Pesa	Pesa	28 PE1028	Max WS	TR200_H8_00	665.29	31.32	36.89		37.64	0.003482	3.82	174.02	46.34	0.63
Torrente Pesa	Pesa	28 PE1028	Max											

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

River	Reach	River Sta	Profile	Plan	Q Total (m ³ /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 (m ²)	Top Width (m)	Froude # Chl
Torrente Pesa	Pesa	27 PE1027	Max WS	TR200_H8_00	650.63	31.39	36.47		37.23	0.004204	3.87	168.26	52.44	0.69
Torrente Pesa	Pesa	27 PE1027	Max WS	TR200_TP18H	354.60	31.39	35.53		35.98	0.003516	2.96	119.77	49.63	0.61
Torrente Pesa	Pesa	27 PE1027	Max WS	TR200_TP24H	294.05	31.39	35.20		35.61	0.003722	2.84	103.50	47.90	0.62
Torrente Pesa	Pesa	27 PE1027	Max WS	TR200_TP36H	209.86	31.39	34.60		34.95	0.003018	2.64	79.64	35.04	0.56
Torrente Pesa	Pesa	27 PE1027	Max WS	TR030_H4_00	315.78	31.39	35.28		35.72	0.003799	2.93	107.80	48.31	0.63
Torrente Pesa	Pesa	27 PE1027	Max WS	TR030_TP18H	203.73	31.39	34.56		34.91	0.002983	2.60	78.36	34.89	0.55
Torrente Pesa	Pesa	27 PE1027	Max WS	TR030_TP24H	151.01	31.39	34.17		34.44	0.002881	2.33	64.80	33.26	0.53
Torrente Pesa	Pesa	27 PE1027	Max WS	TR030_TP36H	89.39	31.39	33.60		33.79	0.002887	1.93	46.28	31.87	0.51
Torrente Pesa	Pesa	26 PE1026	Max WS	TR200_H8_00	597.15	30.77	36.21		36.82	0.003023	3.47	172.34	49.48	0.59
Torrente Pesa	Pesa	26 PE1026	Max WS	TR200_TP18H	351.40	30.77	35.29		35.68	0.002512	2.75	128.01	46.19	0.53
Torrente Pesa	Pesa	26 PE1026	Max WS	TR200_TP24H	293.94	30.77	34.95		35.29	0.002428	2.61	112.67	42.83	0.51
Torrente Pesa	Pesa	26 PE1026	Max WS	TR200_TP36H	209.86	30.77	34.39		34.67	0.002470	2.34	89.49	40.62	0.50
Torrente Pesa	Pesa	26 PE1026	Max WS	TR030_H4_00	315.43	30.77	35.01		35.39	0.002619	2.73	115.35	43.22	0.53
Torrente Pesa	Pesa	26 PE1026	Max WS	TR030_TP18H	203.73	30.77	34.36		34.63	0.002443	2.31	88.07	40.48	0.50
Torrente Pesa	Pesa	26 PE1026	Max WS	TR030_TP24H	151.00	30.77	33.94		34.17	0.002510	2.11	71.68	38.83	0.50
Torrente Pesa	Pesa	26 PE1026	Max WS	TR030_TP36H	89.39	30.77	33.32		33.50	0.002955	1.85	48.44	36.40	0.51
Torrente Pesa	Pesa	25 PE1025	Max WS	TR200_H8_00	546.38	30.65	35.94		36.53	0.002921	3.41	160.11	45.12	0.58
Torrente Pesa	Pesa	25 PE1025	Max WS	TR200_TP18H	351.55	30.65	34.60		35.21	0.004873	3.47	101.36	42.26	0.72
Torrente Pesa	Pesa	25 PE1025	Max WS	TR200_TP24H	293.90	30.65	34.23		34.82	0.005172	3.41	86.29	38.82	0.73
Torrente Pesa	Pesa	25 PE1025	Max WS	TR200_TP36H	209.84	30.65	33.67		34.18	0.005371	3.17	66.13	33.99	0.73
Torrente Pesa	Pesa	25 PE1025	Max WS	TR030_H4_00	315.36	30.65	34.43		35.00	0.004691	3.34	94.30	40.45	0.70
Torrente Pesa	Pesa	25 PE1025	Max WS	TR030_TP18H	203.72	30.65	33.53		34.09	0.006235	3.32	61.35	32.94	0.78
Torrente Pesa	Pesa	25 PE1025	Max WS	TR030_TP24H	150.98	30.65	33.14		33.62	0.006343	3.07	49.19	30.09	0.77
Torrente Pesa	Pesa	25 PE1025	Max WS	TR030_TP36H	89.39	30.65	32.69		33.00	0.005201	2.46	36.39	26.80	0.67
Torrente Pesa	Pesa	24 PE1024	Max WS	TR200_H8_00	533.50	29.75	35.88		35.96	0.000298	1.20	444.83	112.99	0.19
Torrente Pesa	Pesa	24 PE1024	Max WS	TR200_TP18H	351.22	29.75	34.49		34.56	0.000506	1.21	289.24	108.41	0.24
Torrente Pesa	Pesa	24 PE1024	Max WS	TR200_TP24H	293.89	29.75	34.07		34.15	0.000596	1.20	245.06	105.92	0.25
Torrente Pesa	Pesa	24 PE1024	Max WS	TR200_TP36H	209.84	29.75	33.45		33.52	0.000829	1.17	179.52	103.61	0.28
Torrente Pesa	Pesa	24 PE1024	Max WS	TR030_H4_00	315.21	29.75	34.18		34.25	0.000596	1.23	255.86	106.23	0.25
Torrente Pesa	Pesa	24 PE1024	Max WS	TR030_TP18H	203.71	29.75	33.24		33.33	0.001154	1.29	158.34	101.45	0.33
Torrente Pesa	Pesa	24 PE1024	Max WS	TR030_TP24H	150.99	29.75	32.74		32.84	0.002100	1.39	108.30	96.53	0.42
Torrente Pesa	Pesa	24 PE1024	Max WS	TR030_TP36H	89.38	29.75	32.12		32.26	0.003836	1.64	54.56	59.34	0.55
Torrente Pesa	Pesa	23 PE1023	Max WS	TR200_H8_00	566.94	29.46	35.79		35.90	0.000400	1.49	379.96	86.10	0.23
Torrente Pesa	Pesa	23 PE1023	Max WS	TR200_TP18H	350.86	29.46	34.42		34.51	0.000491	1.33	263.34	83.99	0.24
Torrente Pesa	Pesa	23 PE1023	Max WS	TR200_TP24H	293.89	29.46	34.01		34.09	0.000526	1.28	228.83	81.42	0.24
Torrente Pesa	Pesa	23 PE1023	Max WS	TR200_TP36H	209.84	29.46	33.38		33.45	0.000574	1.17	178.98	78.26	0.25
Torrente Pesa	Pesa	23 PE1023	Max WS	TR030_H4_00	315.20	29.46	34.10		34.19	0.000550	1.33	236.88	82.74	0.25
Torrente Pesa	Pesa	23 PE1023	Max WS	TR030_TP18H	203.70	29.46	33.15		33.23	0.000748	1.26	161.19	76.91	0.28
Torrente Pesa	Pesa	23 PE1023	Max WS	TR030_TP24H	150.86	29.46	32.60		32.68	0.000946	1.25	120.70	69.84	0.30
Torrente Pesa	Pesa	23 PE1023	Max WS	TR030_TP36H	89.36	29.46	31.89		31.97	0.001543	1.21	73.60	64.38	0.36
Torrente Pesa	Pesa	22 PE1022	Max WS	TR200_H8_00	616.58	29.04	35.35		35.91	0.002897	3.33	185.10	54.22	0.58
Torrente Pesa	Pesa	22 PE1022	Max WS	TR200_TP18H	353.71	29.04	34.04		34.45	0.002181	2.82	125.33	38.34	0.50
Torrente Pesa	Pesa	22 PE1022	Max WS	TR200_TP24H	293.85	29.04	33.68		34.03	0.002036	2.63	111.84	36.19	0.48
Torrente Pesa	Pesa	22 PE1022	Max WS	TR200_TP36H	209.84	29.04	33.13		33.39	0.001793	2.27	92.46	33.99	0.44
Torrente Pesa	Pesa	22 PE1022	Max WS	TR030_H4_00	315.18	29.04	33.75		34.14	0.002191	2.75	114.49	36.47	0.50
Torrente Pesa	Pesa	22 PE1022	Max WS	TR030_TP18H	203.70	29.04	32.85		33.16	0.002292	2.45	83.21	32.89	0.49
Torrente Pesa	Pesa	22 PE1022	Max WS	TR030_TP24H	149.66	29.04	32.34		32.59	0.002359	2.24	66.73	30.87	0.49
Torrente Pesa	Pesa	22 PE1022	Max WS	TR030_TP36H	89.35	29.04	31.69		31.87	0.002291	1.88	47.64	28.37	0.46
Torrente Pesa	Pesa	21.94		Lat Struct										
Torrente Pesa	Pesa	21 PE1021	Max WS	TR200_H8_00	623.75	28.66	35.17		35.74	0.002733	3.34	186.75	52.54	0.57
Torrente Pesa	Pesa	21 PE1021	Max WS	TR200_TP18H	353.73	28.66	33.83		34.28	0.003302	2.97	118.98	46.50	0.59
Torrente Pesa	Pesa	21 PE1021	Max WS	TR200_TP24H	293.79	28.66	33.50		33.89	0.002563	2.78	105.64	37.43	0.53
Torrente Pesa	Pesa	21 PE1021	Max WS	TR200_TP36H	209.84	28.66	32.97		33.27	0.002242	2.43	86.38	33.97	0.49
Torrente Pesa	Pesa	21 PE1021	Max WS	TR030_H4_00	315.17	28.66	33.55		33.99	0.002781	2.92	107.76	37.61	0.55
Torrente Pesa	Pesa	21 PE1021	Max WS	TR030_TP18H	203.70	28.66	32.62		32.99	0.002976	2.71	75.26	31.12	0.56
Torrente Pesa	Pesa	21 PE1021	Max WS	TR030_TP24H	149.33	28.66	32.09		32.42	0.003245	2.52	59.32	29.37	0.57
Torrente Pesa	Pesa	21 PE1021	Max WS	TR030_TP36H	89.24	28.66	31.45		31.69	0.003474	2.17	41.21	27.13	0.56
Torrente Pesa	Pesa	20 PE1020	Max WS	TR200_H8_00	619.70	29.08	34.99		35.49	0.003038	3.14	197.66	67.29	0.58
Torrente Pesa	Pesa	20 PE1020	Max WS	TR200_TP18H	353.67	29.08	33.67		34.05	0.002558	2.74	128.93	46.81	0.53
Torrente Pesa	Pesa	20 PE1020	Max WS	TR200_TP24H	293.71	29.08	33.35		33.69	0.002509	2.56	114.55	45.41	0.52
Torrente Pesa	Pesa	20 PE1020	Max WS	TR200_TP36H	209.84	29.08	32.83		33.10	0.002161	2.28	92.18	38.90	0.47
Torrente Pesa	Pesa	20 PE1020	Max WS	TR030_H4_00	316.28	29.08	33.38		33.76	0.002811	2.73	115.88	45.55	0.55
Torrente Pesa	Pesa	20 PE1020	Max WS	TR030_TP18H	203.69	29.08	32.44		32.78	0.002495	2.58	79.09	30.72	0.51
Torrente Pesa	Pesa	20 PE1020	Max WS	TR030_TP24H	148.88	29.08	31.90		32.19	0.002667	2.37	62.79	29.27	0.52
Torrente Pesa	Pesa	20 PE1020	Max WS	TR030_TP36H	88.38	29.08	31.25		31.45	0.002744	2.00	44.21	27.53	0.50
Torrente Pesa	Pesa	19.96		Lat Struct										
Torrente Pesa	Pesa	19 PE1019	Max WS	TR200_H8_00	619.45	28.15	34.90		35.15	0.001156	2.22	278.49	76.51	0.37
Torrente Pesa	Pesa	19 PE1019	Max WS	TR200_TP18H	353.65	28.15	33.65		33.82	0.001007	1.84	192.42	63.20	0.34
Torrente Pesa	Pesa	19 PE1019	Max WS	TR200_TP24H	293.70	28.15	33.32		33.47	0.000908	1.70	172.63	58.75	0.32
Torrente Pesa	Pesa	19 PE1019	Max WS	TR200_TP36H	209.84	28.15	32.80		32.91	0.000739	1.46	143.71	52.57	0.28
Torrente Pesa	Pesa	19 PE1019	Max WS	TR030_H4_00	316.27	28.15	33.34		33.51	0.001040	1.82	173.53	59.02	0.34
Torrente Pesa	Pesa	19 PE1019	Max WS	TR030_TP18H	203.69	28.15	32.42		32.55	0.001024	1.64	124.32	48.74	0.33
Torrente Pesa	Pesa	19 PE1019	Max WS	TR030_TP24H	148.66	28.15	31.83		31.95	0.001115	1.53	97.19	45.12	0.33
Torrente Pesa	Pesa	19 PE1019	Max WS	TR030_TP36H	88.38	28.15	31.12		31.22	0.001328	1.34	65.74	42.81	0.35
Torrente Pesa	Pesa	18 PE1018	Max WS	TR200_H8_00	621.29	28.52	34.73		35.05	0.001295	2.52	246.43	61.08	0.40
Torrente Pesa	Pesa	18 PE1018	Max WS	TR200_TP18H	353.60	28.52	33.53		33.73	0.001079	2.00	177.15	54.51	0.35
Torrente Pesa	Pesa	18 PE1018	Max WS	TR200_TP24H	293.63	28.52	33.22		33.39	0.000986	1.83	160.72	52.85	0.33
Torrente Pesa	Pesa	18 PE1018	Max WS	TR200_TP36H	209.84	28.52	32.72		32.85	0.000838	1.56	134.94	50.06	0.30
Torrente Pesa	Pesa	18 PE1018	Max WS	TR030_H4_00	316.41	28.52	33.22		33.42	0.001149	1.97	160.55	52.83	0.36
Torrente Pesa	Pesa	18 PE1018	Max WS	TR030_TP18H	203.69	28.52	32.71		32.46	0.001129	1.76	115.48	44.16	0.35
Torrente Pesa	Pesa	18 PE1018	Max WS	TR030_TP24H	142.17	28.52	31.34		31.86	0.000988	1.55	91.97	38.82	0.32
Torrente Pesa	Pesa	18 PE1018	Max WS	TR030_TP36H	88.38	28.52	31.02		31.12	0.001104	1.36	65.01	36.68	0.33
Torrente Pesa	Pesa	17 PE1017	Max WS	TR200_H8_00	625.36	27.76	34.51		34.94	0.001900	2.91	214.80	56.99	0.48
Torrente P														

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

River	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
Torrente Pesa	Pesa	16.4 PE1016_A	Max WS	TR030_TP24H	140.75	27.69	31.51		31.74	0.001886	2.10	67.14	29.03	0.44
Torrente Pesa	Pesa	16.4 PE1016_A	Max WS	TR030_TP36H	88.37	27.69	30.85		31.00	0.001498	1.76	50.11	23.65	0.39
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR200_H8_00	626.88	27.68	34.45	32.92	34.91	0.002200	3.00	208.84	59.60	0.51
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR200_TP18H	353.49	27.68	33.29	31.73	33.60	0.002038	2.45	144.01	52.71	0.47
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR200_TP24H	292.96	27.68	33.01	31.28	33.27	0.001862	2.26	129.43	49.99	0.45
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR200_TP36H	209.84	27.68	32.54	30.69	32.74	0.001636	1.96	107.04	46.54	0.41
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR030_H4_00	316.40	27.68	32.95	31.46	33.27	0.002302	2.50	126.66	49.46	0.50
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR030_TP18H	203.69	27.68	32.02	30.64	32.31	0.002537	2.40	84.71	37.49	0.51
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR030_TP24H	140.75	27.68	31.52	30.17	31.73	0.001842	2.07	67.94	29.34	0.43
Torrente Pesa	Pesa	16.3 PE1016_C	Max WS	TR030_TP36H	88.37	27.68	30.85	29.68	31.00	0.001432	1.74	50.80	23.61	0.38
Torrente Pesa	Pesa	16.25		Bridge										
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR200_H8_00	626.88	27.92	34.28		34.75	0.002372	3.06	204.86	59.82	0.53
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR200_TP18H	353.39	27.92	33.16		33.48	0.002348	2.51	140.67	55.06	0.50
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR200_TP24H	291.43	27.92	32.89		33.16	0.002217	2.32	125.88	53.38	0.48
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR200_TP36H	209.78	27.92	32.43		32.65	0.001957	2.04	102.89	47.94	0.44
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR030_H4_00	316.38	27.92	32.78		33.13	0.002955	2.63	120.16	52.08	0.55
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR030_TP18H	203.68	27.92	31.84		32.18	0.002802	2.59	78.68	32.99	0.54
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR030_TP24H	131.41	27.92	31.42		31.62	0.001571	1.98	66.35	26.69	0.40
Torrente Pesa	Pesa	16.2 PE1016_D	Max WS	TR030_TP36H	88.37	27.92	30.80		30.95	0.001389	1.72	51.28	23.32	0.37
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR200_H8_00	626.88	27.89	34.28		34.75	0.002298	3.03	206.63	59.57	0.52
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR200_TP18H	353.41	27.89	33.16		33.48	0.002274	2.48	142.30	55.31	0.49
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR200_TP24H	291.43	27.89	32.89		33.16	0.002155	2.29	127.39	53.85	0.47
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR200_TP36H	209.79	27.89	32.44		32.64	0.001910	2.02	104.11	48.50	0.44
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR030_H4_00	316.38	27.89	32.78		33.13	0.002871	2.60	121.65	52.58	0.55
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR030_TP18H	203.69	27.89	31.84		32.18	0.002782	2.56	79.52	33.73	0.53
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR030_TP24H	131.41	27.89	31.42		31.62	0.001569	1.97	66.85	27.20	0.40
Torrente Pesa	Pesa	16.1 PE1016_E	Max WS	TR030_TP36H	88.37	27.89	30.80		30.95	0.001369	1.71	51.60	23.44	0.37
Torrente Pesa	Pesa	15.96		Lat Struct										
Torrente Pesa	Pesa	15.94		Lat Struct										
Torrente Pesa	Pesa	15 PE1014	Max WS	TR200_H8_00	629.22	26.82	34.13		34.52	0.001757	2.77	227.02	60.63	0.46
Torrente Pesa	Pesa	15 PE1014	Max WS	TR200_TP18H	353.31	26.82	33.03		33.28	0.001548	2.18	162.09	57.40	0.41
Torrente Pesa	Pesa	15 PE1014	Max WS	TR200_TP24H	291.44	26.82	32.77		32.97	0.001425	1.98	146.99	56.47	0.39
Torrente Pesa	Pesa	15 PE1014	Max WS	TR200_TP36H	209.76	26.82	32.32		32.47	0.001309	1.72	122.21	54.84	0.37
Torrente Pesa	Pesa	15 PE1014	Max WS	TR030_H4_00	316.38	26.82	32.60		32.87	0.002073	2.30	137.33	55.87	0.47
Torrente Pesa	Pesa	15 PE1014	Max WS	TR030_TP18H	203.69	26.82	31.67		31.92	0.002060	2.24	91.11	38.17	0.46
Torrente Pesa	Pesa	15 PE1014	Max WS	TR030_TP24H	129.70	26.82	31.34		31.47	0.001117	1.64	79.03	33.10	0.34
Torrente Pesa	Pesa	15 PE1014	Max WS	TR030_TP36H	88.36	26.82	30.72		30.83	0.000927	1.45	61.14	26.78	0.31
Torrente Pesa	Pesa	14 PE1013	Max WS	TR200_H8_00	615.17	26.92	33.58		34.32	0.003448	3.82	161.22	40.71	0.61
Torrente Pesa	Pesa	14 PE1013	Max WS	TR200_TP18H	352.09	26.92	32.61		33.03	0.002433	2.87	122.83	37.00	0.50
Torrente Pesa	Pesa	14 PE1013	Max WS	TR200_TP24H	291.44	26.92	32.45		32.76	0.001925	2.49	116.93	36.44	0.44
Torrente Pesa	Pesa	14 PE1013	Max WS	TR200_TP36H	209.73	26.92	32.11		32.31	0.001374	2.00	104.77	35.24	0.37
Torrente Pesa	Pesa	14 PE1013	Max WS	TR030_H4_00	316.37	26.92	32.08		32.56	0.003202	3.04	103.92	35.15	0.57
Torrente Pesa	Pesa	14 PE1013	Max WS	TR030_TP18H	203.69	26.92	31.32		31.66	0.002398	2.57	79.25	27.47	0.48
Torrente Pesa	Pesa	14 PE1013	Max WS	TR030_TP24H	129.65	26.92	31.20		31.35	0.001033	1.70	76.08	25.85	0.32
Torrente Pesa	Pesa	14 PE1013	Max WS	TR030_TP36H	88.35	26.92	30.63		30.73	0.000742	1.41	62.79	22.22	0.27
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR200_H8_00	664.31	26.63	32.72		33.65	0.005115	4.27	155.64	45.13	0.73
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR200_TP18H	342.31	26.63	32.27		32.59	0.002080	2.53	135.52	44.35	0.46
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR200_TP24H	291.41	26.63	32.19		32.44	0.001634	2.21	132.02	44.21	0.41
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR200_TP36H	209.67	26.63	31.93		32.08	0.001121	1.74	120.55	43.76	0.33
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR030_H4_00	316.36	26.63	31.27		31.85	0.005186	3.38	93.48	39.45	0.70
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR030_TP18H	109.16	26.63	31.01		31.09	0.000837	1.31	83.42	37.30	0.28
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR030_TP24H	95.68	26.63	31.07		31.14	0.000600	1.11	85.89	38.12	0.24
Torrente Pesa	Pesa	13 PE1012_A	Max WS	TR030_TP36H	88.29	26.63	30.49		30.58	0.000979	1.34	65.65	31.53	0.30
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR200_H8_00	665.15	26.23	32.57		33.10	0.002933	3.24	205.28	63.64	0.58
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR200_TP18H	342.36	26.23	32.32		32.49	0.000984	1.80	189.81	62.48	0.33
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR200_TP24H	291.40	26.23	32.23		32.36	0.000784	1.58	183.95	62.03	0.29
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR200_TP36H	209.67	26.23	31.95		32.03	0.000546	1.26	166.77	60.71	0.24
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR030_H4_00	316.36	26.23	31.18		31.52	0.003305	2.61	121.28	57.06	0.57
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR030_TP18H	109.22	26.23	31.01		31.05	0.000509	0.98	111.69	56.32	0.22
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR030_TP24H	95.74	26.23	31.07		31.11	0.000353	0.83	115.44	56.61	0.19
Torrente Pesa	Pesa	12.4 PE1012_C	Max WS	TR030_TP36H	88.26	26.23	30.48		30.53	0.000629	1.04	85.10	45.57	0.24
Torrente Pesa	Pesa	12.3	Max WS	TR200_H8_00	665.14	26.23	32.56	31.50	33.10	0.003030	3.27	203.57	63.61	0.58
Torrente Pesa	Pesa	12.3	Max WS	TR200_TP18H	342.37	26.23	32.32	30.41	32.49	0.001015	1.82	188.52	62.61	0.33
Torrente Pesa	Pesa	12.3	Max WS	TR200_TP24H	291.40	26.23	32.22	30.14	32.35	0.000809	1.60	182.68	62.22	0.30
Torrente Pesa	Pesa	12.3	Max WS	TR200_TP36H	209.67	26.23	31.95	29.28	32.03	0.000568	1.27	165.47	61.07	0.25
Torrente Pesa	Pesa	12.3	Max WS	TR030_H4_00	316.36	26.23	31.16	30.28	31.52	0.003551	2.66	118.84	56.99	0.59
Torrente Pesa	Pesa	12.3	Max WS	TR030_TP18H	109.23	26.23	31.00	28.45	31.05	0.000536	0.99	110.18	56.28	0.23
Torrente Pesa	Pesa	12.3	Max WS	TR030_TP24H	95.73	26.23	31.07	28.32	31.11	0.000370	0.84	113.96	56.58	0.19
Torrente Pesa	Pesa	12.3	Max WS	TR030_TP36H	88.26	26.23	30.48	28.24	30.53	0.000661	1.05	83.69	45.09	0.25
Torrente Pesa	Pesa	12.25		Bridge										
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR200_H8_00	564.03	26.20	32.25		32.72	0.002652	3.03	186.23	59.66	0.55
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR200_TP18H	342.35	26.20	32.19		32.37	0.001043	1.88	182.22	59.35	0.34
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR200_TP24H	291.40	26.20	32.11		32.24	0.000820	1.64	177.42	59.03	0.30
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR200_TP36H	209.66	26.20	31.84		31.92	0.000566	1.30	161.54	58.03	0.25
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR030_H4_00	316.36	26.20	30.74		31.24	0.005214	3.14	100.62	50.88	0.71
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR030_TP18H	109.21	26.20	30.89		30.94	0.000512	1.01	108.34	52.98	0.23
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR030_TP24H	95.73	26.20	30.96		31.00	0.000359	0.85	112.17	53.95	0.19
Torrente Pesa	Pesa	12.2 PE1012_d	Max WS	TR030_TP36H	88.26	26.20	30.35		30.41	0.000670	1.08	82.02	44.25	0.25
Torrente Pesa	Pesa	12.1 PE1012_E	Max WS	TR200_H8_00	564.05	26.14	32.25		32.72	0.002630	3.02	186.72	59.86	0.55
Torrente Pesa	Pesa	12.1 PE1012_E	Max WS	TR200_TP18H	342.35	26.14	32.19		32.37	0.001033	1.87	182.76	59.55	0.34
Torrente Pesa	Pesa	12.1 PE1012_E	Max WS	TR200_TP24H	291.40	26.14	32.11		32.24	0.000811	1.64	177.96	59.17	0.30
Torrente Pesa	Pesa	12.1 PE1012_E	Max WS	TR200_TP36H	209.66	26.14	31.84		31.92	0.000558	1.29	162.06	58.05	0.25
Torrente Pesa														

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

River	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
Torrente Pesa	Pesa	11 PE1011	Max WS	TR030_H4_00	316.36	26.35	30.23		30.95	0.005785	3.75	84.26	33.44	0.76
Torrente Pesa	Pesa	11 PE1011	Max WS	TR030_TP18H	109.26	26.35	30.85		30.91	0.000352	1.04	105.48	34.99	0.19
Torrente Pesa	Pesa	11 PE1011	Max WS	TR030_TP24H	95.78	26.35	30.93		30.97	0.000250	0.88	108.33	35.16	0.16
Torrente Pesa	Pesa	11 PE1011	Max WS	TR030_TP36H	88.20	26.35	30.31		30.37	0.000409	1.01	86.99	33.67	0.20
Torrente Pesa	Pesa	10 PE1010	Max WS	TR200_H8_00	469.93	26.53	31.70		32.13	0.001836	2.90	162.28	38.16	0.45
Torrente Pesa	Pesa	10 PE1010	Max WS	TR200_TP18H	342.42	26.53	31.98		32.18	0.000804	1.98	172.83	38.24	0.30
Torrente Pesa	Pesa	10 PE1010	Max WS	TR200_TP24H	291.37	26.53	31.96		32.10	0.000591	1.69	171.97	38.23	0.26
Torrente Pesa	Pesa	10 PE1010	Max WS	TR200_TP36H	209.58	26.53	31.75		31.83	0.000353	1.28	164.07	38.17	0.20
Torrente Pesa	Pesa	10 PE1010	Max WS	TR030_H4_00	316.36	26.53	29.88		30.47	0.004724	3.40	93.12	37.64	0.69
Torrente Pesa	Pesa	10 PE1010	Max WS	TR030_TP18H	109.31	26.53	30.85		30.88	0.000199	0.84	129.69	37.92	0.15
Torrente Pesa	Pesa	10 PE1010	Max WS	TR030_TP24H	95.82	26.53	30.93		30.96	0.000142	0.72	132.82	37.94	0.12
Torrente Pesa	Pesa	10 PE1010	Max WS	TR030_TP36H	88.17	26.53	30.31		30.34	0.000222	0.81	109.23	37.76	0.15
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR200_H8_00	445.33	25.90	31.51		32.07	0.002473	3.30	134.85	30.58	0.50
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR200_TP18H	342.41	25.90	31.88		32.16	0.001146	2.34	146.18	30.61	0.34
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR200_TP24H	291.36	25.90	31.89		32.09	0.000826	1.99	146.40	30.61	0.29
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR200_TP36H	209.56	25.90	31.71		31.83	0.000478	1.49	141.07	30.60	0.22
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR030_H4_00	316.85	25.90	29.73		30.52	0.006095	3.93	80.64	30.45	0.77
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR030_TP18H	109.31	25.90	30.83		30.88	0.000247	0.96	114.17	30.53	0.16
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR030_TP24H	95.83	25.90	30.92		30.95	0.000177	0.82	116.81	30.54	0.13
Torrente Pesa	Pesa	9.4 PE1009_A	Max WS	TR030_TP36H	88.15	25.90	30.29		30.34	0.000259	0.90	97.75	30.49	0.16
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR200_H8_00	371.17	25.90	31.44	29.59	31.88	0.002015	2.95	125.72	28.30	0.45
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR200_TP18H	342.41	25.90	31.84	29.45	32.15	0.001325	2.50	137.03	28.31	0.36
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR200_TP24H	291.36	25.90	31.86	29.20	32.09	0.000947	2.12	137.62	28.32	0.31
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR200_TP36H	209.56	25.90	31.70	28.76	31.82	0.000541	1.57	133.11	28.31	0.23
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR030_H4_00	316.85	25.90	29.72	29.33	30.58	0.006559	4.11	77.08	28.22	0.79
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR030_TP18H	109.31	25.90	30.83	28.05	30.88	0.000273	1.01	108.48	28.27	0.16
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR030_TP24H	95.83	25.90	30.92	27.94	30.95	0.000196	0.86	110.97	28.27	0.14
Torrente Pesa	Pesa	9.3 PE1009_C	Max WS	TR030_TP36H	88.16	25.90	30.29	27.87	30.34	0.000281	0.94	93.30	28.24	0.17
Torrente Pesa	Pesa	9.25		Bridge										
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR200_H8_00	718.05	25.86	31.70		33.03	0.005546	5.12	140.35	30.79	0.77
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR200_TP18H	342.41	25.86	31.87		32.15	0.001125	2.35	145.80	30.80	0.34
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR200_TP24H	291.36	25.86	31.88		32.08	0.000809	1.99	146.10	30.80	0.29
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR200_TP36H	209.56	25.86	31.71		31.82	0.000468	1.49	140.81	30.79	0.22
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR030_H4_00	316.85	25.86	29.49		30.44	0.007867	4.32	73.33	29.68	0.88
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR030_TP18H	109.32	25.86	30.83		30.88	0.000242	0.96	113.82	30.50	0.16
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR030_TP24H	95.83	25.86	30.92		30.95	0.000173	0.82	116.48	30.55	0.13
Torrente Pesa	Pesa	9.2 PE1009_d	Max WS	TR030_TP36H	88.15	25.86	30.29		30.33	0.000252	0.90	97.50	30.17	0.16
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR200_H8_00	717.87	25.86	31.69		33.00	0.005402	5.07	141.63	31.67	0.77
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR200_TP18H	342.41	25.86	31.88		32.15	0.001086	2.32	147.57	31.72	0.34
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR200_TP24H	291.36	25.86	31.88		32.08	0.000782	1.97	147.84	31.72	0.29
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR200_TP36H	209.56	25.86	31.71		31.82	0.000453	1.47	142.35	31.67	0.22
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR030_H4_00	316.85	25.86	29.48		30.43	0.007899	4.32	73.27	29.97	0.88
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR030_TP18H	109.32	25.86	30.83		30.88	0.000237	0.95	114.64	31.15	0.16
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR030_TP24H	95.83	25.86	30.92		30.95	0.000170	0.82	117.36	31.23	0.13
Torrente Pesa	Pesa	9.1 PE1009_E	Max WS	TR030_TP36H	88.15	25.86	30.29		30.33	0.000249	0.90	98.00	30.68	0.16
Torrente Pesa	Pesa	8.396		Lat Struct										
Torrente Pesa	Pesa	8.394		Lat Struct										
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR200_H8_00	453.52	26.07	31.68		31.91	0.000799	2.12	214.38	41.58	0.30
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR200_TP18H	341.62	26.07	31.98		32.10	0.000382	1.51	226.75	41.58	0.21
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR200_TP24H	290.49	26.07	31.96		32.04	0.000279	1.29	225.86	41.58	0.18
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR200_TP36H	209.17	26.07	31.75		31.80	0.000163	0.96	217.26	41.58	0.13
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR030_H4_00	316.85	26.07	29.25		29.65	0.002838	2.79	113.48	41.38	0.54
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR030_TP18H	109.32	26.07	30.85		30.87	0.000080	0.61	179.68	41.53	0.09
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR030_TP24H	95.85	26.07	30.93		30.95	0.000058	0.52	183.09	41.53	0.08
Torrente Pesa	Pesa	8.3 PE1008_A	Max WS	TR030_TP36H	88.16	26.07	30.31		30.32	0.000079	0.56	157.24	41.50	0.09
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR200_H8_00	454.70	26.51	31.70	28.81	31.89	0.000674	1.93	235.13	47.29	0.28
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR200_TP18H	341.40	26.51	31.99	28.44	32.09	0.000319	1.37	248.82	47.36	0.19
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR200_TP24H	290.32	26.51	31.97	28.26	32.04	0.000234	1.17	247.68	47.36	0.16
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR200_TP36H	209.14	26.51	31.76	27.94	31.80	0.000138	0.88	237.71	47.31	0.13
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR030_H4_00	316.85	26.51	29.24	28.35	29.60	0.002778	2.66	119.29	46.69	0.53
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR030_TP18H	109.33	26.51	30.85	27.50	30.87	0.000070	0.56	194.90	47.09	0.09
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR030_TP24H	95.85	26.51	30.93	27.43	30.94	0.000051	0.48	198.76	47.11	0.07
Torrente Pesa	Pesa	8.2 PE1008_B	Max WS	TR030_TP36H	88.15	26.51	30.31	27.39	30.32	0.000071	0.52	169.46	46.95	0.09
Torrente Pesa	Pesa	8.15		Ini Struct										
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR200_H8_00	453.96	24.68	31.61		31.74	0.000376	1.60	283.03	47.52	0.21
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR200_TP18H	341.40	24.68	31.98		32.04	0.000177	1.13	300.81	47.62	0.14
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR200_TP24H	290.30	24.68	31.96		32.01	0.000129	0.97	300.11	47.61	0.12
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR200_TP36H	209.15	24.68	31.75		31.78	0.000074	0.72	289.96	47.56	0.09
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR030_H4_00	316.83	24.68	28.68		28.92	0.001475	2.19	144.95	46.79	0.40
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR030_TP18H	109.33	24.68	30.84		30.85	0.000033	0.44	246.97	47.33	0.06
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR030_TP24H	95.86	24.68	30.93		30.93	0.000024	0.38	250.85	47.35	0.05
Torrente Pesa	Pesa	8.1 PE1008_C	Max WS	TR030_TP36H	88.15	24.68	30.31		30.31	0.000030	0.40	221.45	47.20	0.06
Torrente Pesa	Pesa	7.96		Lat Struct										
Torrente Pesa	Pesa	7.94		Lat Struct										
Torrente Pesa	Pesa	7 PE1007	Max WS	TR200_H8_00	445.84	22.50	31.50		31.68	0.000530	1.89	236.28	36.38	0.24
Torrente Pesa	Pesa	7 PE1007	Max WS	TR200_TP18H	341.40	22.50	31.93		32.02	0.000257	1.36	251.77	36.45	0.16
Torrente Pesa	Pesa	7 PE1007	Max WS	TR200_TP24H	290.28	22.50	31.93		32.00	0.000186	1.15	251.75	36.44	0.14
Torrente Pesa	Pesa	7 PE1007	Max WS	TR200_TP36H	209.15	22.50	31.73		31.77	0.000105	0.86	244.58	36.42	0.11
Torrente Pesa	Pesa	7 PE1007	Max WS	TR030_H4_00	316.83	22.50	28.44		28.76	0.001791	2.51	126.29	35.57	0.43
Torrente Pesa	Pesa	7 PE1007	Max WS	TR030_TP18H	109.34	22.50	30.84		30.85	0.000044	0.52	212.11	36.08	0.07
Torrente Pesa	Pesa	7 PE1007	Max WS	TR030_TP24H	95.88	22.50	30.92		30.93	0.000032	0.45	215.15	36.30	0.06
Torrente Pesa	Pesa	7 PE1007	Max WS	TR030_TP36H	88.21	22.50	30.30		30.31	0.000038	0.46	192.71	35.97	0.06
Torrente Pesa	Pesa	6.4 PE1006_A	Max WS	TR200_H8_00	445.79	23.87	31.49		31.67	0.000543	1.92	232.32	38.07	0.25
Torrente														

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

River	Reach	River Sta	Profile	Plan	Q Total (m ³ /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 (m ²)	Top Width (m)	Froude # Chl
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR200_TP24H	289.89	23.86	31.93	26.76	31.99	0.000162	1.08	268.07	45.27	0.14
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR200_TP36H	209.10	23.86	31.72	26.35	31.77	0.000087	0.91	230.02	45.27	0.11
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR030_H4_00	316.83	23.86	28.36	26.88	28.72	0.001815	2.67	118.62	36.37	0.45
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR030_TP18H	109.34	23.86	30.83	25.77	30.85	0.000038	0.55	200.60	43.40	0.07
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR030_TP24H	95.89	23.86	30.92	25.68	30.93	0.000028	0.47	203.41	43.64	0.06
Torrente Pesa	Pesa	6.3 PE1006_C	Max WS	TR030_TP36H	88.21	23.86	30.30	25.62	30.31	0.000033	0.48	182.79	41.87	0.07
Torrente Pesa	Pesa	6.25		Bridge										
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR200_H8_00	371.60	23.86	31.38		31.50	0.000348	1.52	244.45	44.97	0.21
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR200_TP18H	341.02	23.86	31.83		31.92	0.000230	1.29	264.87	45.27	0.17
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR200_TP24H	289.88	23.86	31.86		31.92	0.000164	1.09	266.15	45.27	0.14
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR200_TP36H	209.09	23.86	31.70		31.73	0.000093	0.81	258.95	45.27	0.11
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR030_H4_00	316.83	23.86	28.33		28.68	0.001999	2.64	119.82	36.67	0.47
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR030_TP18H	109.34	23.86	30.83		30.84	0.000041	0.50	220.23	43.48	0.07
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR030_TP24H	95.89	23.86	30.92		30.93	0.000030	0.43	223.91	43.71	0.06
Torrente Pesa	Pesa	6.2 PE1006_D	Max WS	TR030_TP36H	88.21	23.86	30.29		30.30	0.000036	0.45	197.25	42.02	0.07
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR200_H8_00	371.56	23.88	31.35		31.49	0.000413	1.68	221.73	34.88	0.21
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR200_TP18H	341.02	23.88	31.81		31.91	0.000284	1.43	237.72	35.10	0.18
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR200_TP24H	289.88	23.88	31.84		31.92	0.000202	1.21	238.94	35.11	0.15
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR200_TP36H	209.06	23.88	31.69		31.73	0.000112	0.89	233.62	35.04	0.11
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR030_H4_00	316.82	23.88	28.31		28.68	0.002041	2.69	117.64	33.70	0.46
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR030_TP18H	109.34	23.88	30.83		30.84	0.000046	0.54	203.58	34.65	0.07
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR030_TP24H	95.89	23.88	30.91		30.93	0.000034	0.46	206.53	34.68	0.06
Torrente Pesa	Pesa	6.1 PE1006_E	Max WS	TR030_TP36H	88.21	23.88	30.29		30.30	0.000040	0.48	185.06	34.41	0.07
Torrente Pesa	Pesa	5.96		Lat Struct										
Torrente Pesa	Pesa	5.94		Lat Struct										
Torrente Pesa	Pesa	5 PE1005	Max WS	TR200_H8_00	371.77	23.12	31.30		31.45	0.000435	1.72	216.17	34.37	0.22
Torrente Pesa	Pesa	5 PE1005	Max WS	TR200_TP18H	340.87	23.12	31.77		31.88	0.000297	1.47	232.47	34.69	0.18
Torrente Pesa	Pesa	5 PE1005	Max WS	TR200_TP24H	277.95	23.12	31.82		31.89	0.000194	1.19	234.15	34.82	0.15
Torrente Pesa	Pesa	5 PE1005	Max WS	TR200_TP36H	209.00	23.12	31.68		31.72	0.000116	0.91	229.21	34.46	0.11
Torrente Pesa	Pesa	5 PE1005	Max WS	TR030_H4_00	316.82	23.12	27.93		28.41	0.002878	3.07	103.09	31.94	0.55
Torrente Pesa	Pesa	5 PE1005	Max WS	TR030_TP18H	109.38	23.12	30.82		30.84	0.000047	0.55	199.88	34.27	0.07
Torrente Pesa	Pesa	5 PE1005	Max WS	TR030_TP24H	95.92	23.12	30.91		30.92	0.000035	0.47	202.84	34.29	0.06
Torrente Pesa	Pesa	5 PE1005	Max WS	TR030_TP36H	88.20	23.12	30.29		30.30	0.000041	0.49	181.53	34.15	0.07
Torrente Pesa	Pesa	4 PE1004	Max WS	TR200_H8_00	371.85	22.83	31.23		31.43	0.000569	1.95	190.73	28.82	0.24
Torrente Pesa	Pesa	4 PE1004	Max WS	TR200_TP18H	314.51	22.83	31.73		31.85	0.000335	1.53	205.05	29.38	0.19
Torrente Pesa	Pesa	4 PE1004	Max WS	TR200_TP24H	277.26	22.83	31.79		31.88	0.000253	1.34	206.95	29.39	0.16
Torrente Pesa	Pesa	4 PE1004	Max WS	TR200_TP36H	207.30	22.83	31.66		31.71	0.000150	1.02	203.12	29.36	0.12
Torrente Pesa	Pesa	4 PE1004	Max WS	TR030_H4_00	146.49	22.83	27.88		28.00	0.000668	1.52	96.27	27.50	0.28
Torrente Pesa	Pesa	4 PE1004	Max WS	TR030_TP18H	109.39	22.83	30.82		30.84	0.000059	0.61	178.79	28.72	0.08
Torrente Pesa	Pesa	4 PE1004	Max WS	TR030_TP24H	95.94	22.83	30.91		30.92	0.000044	0.53	181.32	28.74	0.07
Torrente Pesa	Pesa	4 PE1004	Max WS	TR030_TP36H	87.96	22.83	30.28		30.30	0.000050	0.54	163.47	28.54	0.07
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR200_H8_00	371.92	23.22	31.25		31.41	0.000426	1.77	210.51	33.87	0.23
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR200_TP18H	340.54	23.22	31.74		31.85	0.000288	1.50	227.21	34.54	0.19
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR200_TP24H	277.21	23.22	31.80		31.87	0.000186	1.21	229.30	34.62	0.15
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR200_TP36H	207.29	23.22	31.67		31.71	0.000110	0.92	224.65	34.44	0.12
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR030_H4_00	146.46	23.22	27.89		27.99	0.000509	1.40	104.31	29.27	0.24
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR030_TP18H	109.40	23.22	30.82		30.84	0.000045	0.56	196.00	33.28	0.07
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR030_TP24H	95.94	23.22	30.91		30.92	0.000033	0.48	198.92	33.40	0.06
Torrente Pesa	Pesa	3.4 PE1003_A	Max WS	TR030_TP36H	87.94	23.22	30.28		30.30	0.000038	0.49	178.38	32.55	0.07
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR200_H8_00	371.90	23.11	31.22	26.87	31.41	0.000523	1.92	193.27	28.35	0.24
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR200_TP18H	314.49	23.11	31.72	26.58	31.83	0.000306	1.52	207.43	28.49	0.18
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR200_TP24H	277.20	23.11	31.78	26.37	31.87	0.000231	1.32	209.34	28.51	0.16
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR200_TP36H	207.29	23.11	31.66	25.90	31.71	0.000136	1.01	205.71	28.47	0.12
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR030_H4_00	146.46	23.11	27.88	25.40	27.99	0.000560	1.46	100.16	27.40	0.24
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR030_TP18H	109.40	23.11	30.82	25.07	30.83	0.000054	0.60	181.89	28.23	0.08
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR030_TP24H	95.94	23.11	30.90	24.94	30.92	0.000040	0.52	184.39	28.26	0.07
Torrente Pesa	Pesa	3.3 PE1003_C	Max WS	TR030_TP36H	87.94	23.11	30.28	24.85	30.30	0.000045	0.53	166.85	28.08	0.07
Torrente Pesa	Pesa	3.25		Bridge										
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR200_H8_00	371.89	23.11	31.21		31.40	0.000525	1.93	192.97	28.34	0.24
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR200_TP18H	314.47	23.11	31.71		31.83	0.000306	1.52	207.28	28.49	0.18
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR200_TP24H	277.20	23.11	31.78		31.87	0.000232	1.32	209.21	28.51	0.16
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR200_TP36H	207.29	23.11	31.65		31.70	0.000136	1.01	205.61	28.47	0.12
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR030_H4_00	146.46	23.11	27.87		27.98	0.000565	1.47	99.86	27.40	0.25
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR030_TP18H	109.40	23.11	30.81		30.83	0.000054	0.60	181.83	28.23	0.08
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR030_TP24H	95.95	23.11	30.90		30.92	0.000040	0.52	184.35	28.26	0.07
Torrente Pesa	Pesa	3.2 PE1003_D	Max WS	TR030_TP36H	87.94	23.11	30.28		30.29	0.000045	0.53	166.80	28.08	0.07
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR200_H8_00	371.89	23.02	31.21		31.40	0.000548	1.91	195.14	32.26	0.25
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR200_TP18H	314.47	23.02	31.72		31.83	0.000316	1.49	211.71	33.60	0.19
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR200_TP24H	277.20	23.02	31.78		31.87	0.000239	1.30	213.97	33.82	0.16
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR200_TP36H	207.29	23.02	31.65		31.70	0.000141	0.99	209.66	33.40	0.13
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR030_H4_00	146.46	23.02	27.86		27.98	0.000610	1.50	97.59	27.68	0.26
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR030_TP18H	109.40	23.02	30.81		30.83	0.000056	0.60	182.51	31.24	0.08
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR030_TP24H	95.95	23.02	30.90		30.92	0.000042	0.52	185.30	31.65	0.07
Torrente Pesa	Pesa	3.1 PE1003_E	Max WS	TR030_TP36H	87.94	23.02	30.28		30.29	0.000045	0.53	166.42	29.23	0.07
Torrente Pesa	Pesa	2.396		Lat Struct										
Torrente Pesa	Pesa	2.394		Lat Struct										
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR200_H8_00	363.99	23.09	31.26		31.36	0.000299	1.43	255.17	45.26	0.19
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR200_TP18H	319.72	23.09	31.76		31.83	0.000178	1.15	277.85	45.26	0.15
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR200_TP24H	253.64	23.09	31.82		31.86	0.000109	0.90	280.47	45.26	0.12
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR200_TP36H	189.32	23.09	31.68		31.70	0.000065	0.69	273.99	45.26	0.09
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR030_H4_00	146.36	23.09	27.86		27.94	0.000497	1.29	113.67	36.20	0.23
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR030_TP18H	108.14	23.09	30.82		30.83	0.000034	0.46	235.20	45.26	0.06
Torrente Pesa	Pesa	2.3 PE1002_A	Max WS	TR030_TP24H	94.16	23.09	30.91		30.91	0.000024	0.39	239.18	45.26	0.05

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

River	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
Torrente Pesa	Pesa	2.15			Ini Struct									
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR200_H8_00	360.47	20.18	31.16	31.23	0.000187	1.19	302.54	45.08	0.15
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR200_TP18H	313.73	20.18	31.75	31.80	0.000110	0.95	329.27	45.08	0.11
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR200_TP24H	247.11	20.18	31.81	31.84	0.000066	0.74	331.84	45.08	0.09
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR200_TP36H	183.92	20.18	31.67	31.68	0.000039	0.57	325.36	45.08	0.07
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR030_H4_00	146.36	20.18	27.86	27.90	0.000190	0.90	161.79	38.27	0.14
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR030_TP18H	107.25	20.18	30.81	30.82	0.000019	0.37	286.77	45.08	0.05
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR030_TP24H	93.02	20.18	30.90	30.91	0.000014	0.32	290.75	45.08	0.04
Torrente Pesa	Pesa	2.1	PE1002_C	Max WS	TR030_TP36H	87.90	20.18	30.28	30.28	0.000017	0.33	262.61	45.08	0.04
Torrente Pesa	Pesa	1.396			Lat Struct									
Torrente Pesa	Pesa	1.394			Lat Struct									
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR200_H8_00	322.65	21.38	31.19	31.24	0.000137	1.02	316.52	52.26	0.13
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR200_TP18H	202.63	21.38	31.80	31.82	0.000040	0.58	348.65	52.26	0.07
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR200_TP24H	128.41	21.38	31.85	31.85	0.000016	0.37	351.07	52.26	0.05
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR200_TP36H	86.64	21.38	31.69	31.69	0.000008	0.25	342.85	52.26	0.03
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR030_H4_00	146.42	21.38	27.85	27.90	0.000177	0.90	161.96	40.11	0.14
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR030_TP18H	95.89	21.38	30.81	30.82	0.000015	0.32	297.09	52.26	0.04
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR030_TP24H	77.88	21.38	30.90	30.91	0.000009	0.26	301.74	52.26	0.03
Torrente Pesa	Pesa	1.3	PE1001_A	Max WS	TR030_TP36H	87.62	21.38	30.28	30.28	0.000016	0.33	269.18	49.97	0.04
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR200_H8_00	315.87	21.73	31.19	31.24	0.000130	0.96	328.94	58.87	0.13
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR200_TP18H	184.13	21.73	31.81	31.82	0.000032	0.50	365.13	58.87	0.06
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR200_TP24H	109.03	21.73	31.85	31.85	0.000011	0.30	367.70	58.87	0.04
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR200_TP36H	72.30	21.73	31.69	31.69	0.000005	0.20	358.36	58.87	0.03
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR030_H4_00	146.49	21.73	27.85	27.89	0.000165	0.88	166.05	41.16	0.14
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR030_TP18H	93.47	21.73	30.81	30.82	0.000014	0.30	306.72	58.87	0.04
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR030_TP24H	74.82	21.73	30.90	30.91	0.000009	0.24	311.96	58.87	0.03
Torrente Pesa	Pesa	1.2	PE1001_B	Max WS	TR030_TP36H	87.61	21.73	30.28	30.28	0.000015	0.32	275.46	53.18	0.04
Torrente Pesa	Pesa	1.15			Ini Struct									
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR200_H8_00	315.85	19.52	31.11	31.15	0.000093	0.85	369.50	56.86	0.11
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR200_TP18H	184.13	19.52	31.80	31.81	0.000023	0.45	408.61	56.86	0.05
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR200_TP24H	108.96	19.52	31.84	31.85	0.000008	0.26	411.32	56.86	0.03
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR200_TP36H	70.77	19.52	31.69	31.69	0.000004	0.18	402.43	56.86	0.02
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR030_H4_00	146.56	19.52	27.85	27.87	0.000082	0.69	212.83	41.15	0.10
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR030_TP18H	93.47	19.52	30.81	30.81	0.000009	0.27	352.44	56.86	0.03
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR030_TP24H	74.82	19.52	30.90	30.90	0.000006	0.21	357.56	56.86	0.03
Torrente Pesa	Pesa	1.1	PE1001_C	Max WS	TR030_TP36H	87.60	19.52	30.27	30.27	0.000010	0.27	321.99	54.40	0.04
Torrente Pesa	Pesa	1.03333*		Max WS	TR200_H8_00	315.86	19.58	31.11	31.15	0.000088	0.84	375.18	57.61	0.11
Torrente Pesa	Pesa	1.03333*		Max WS	TR200_TP18H	184.13	19.58	31.80	31.81	0.000022	0.44	414.80	57.61	0.05
Torrente Pesa	Pesa	1.03333*		Max WS	TR200_TP24H	108.98	19.58	31.84	31.85	0.000008	0.26	417.52	57.61	0.03
Torrente Pesa	Pesa	1.03333*		Max WS	TR200_TP36H	70.78	19.58	31.69	31.69	0.000003	0.17	408.51	57.61	0.02
Torrente Pesa	Pesa	1.03333*		Max WS	TR030_H4_00	147.16	19.58	27.85	27.87	0.000080	0.68	215.58	42.09	0.10
Torrente Pesa	Pesa	1.03333*		Max WS	TR030_TP18H	93.47	19.58	30.81	30.81	0.000009	0.26	357.87	57.61	0.03
Torrente Pesa	Pesa	1.03333*		Max WS	TR030_TP24H	74.82	19.58	30.90	30.90	0.000005	0.21	363.05	57.61	0.03
Torrente Pesa	Pesa	1.03333*		Max WS	TR030_TP36H	87.60	19.58	30.27	30.27	0.000010	0.27	327.04	54.98	0.04
Torrente Pesa	Pesa	0.9696			Lat Struct									
Torrente Pesa	Pesa	0.9694			Lat Struct									
Torrente Pesa	Pesa	.966666*		Max WS	TR200_H8_00	314.21	19.63	31.11	31.15	0.000083	0.83	380.73	58.36	0.10
Torrente Pesa	Pesa	.966666*		Max WS	TR200_TP18H	169.42	19.63	31.80	31.81	0.000018	0.40	420.95	58.36	0.05
Torrente Pesa	Pesa	.966666*		Max WS	TR200_TP24H	93.43	19.63	31.85	31.85	0.000005	0.22	423.66	58.36	0.03
Torrente Pesa	Pesa	.966666*		Max WS	TR200_TP36H	58.14	19.63	31.69	31.69	0.000002	0.14	414.48	58.36	0.02
Torrente Pesa	Pesa	.966666*		Max WS	TR030_H4_00	147.17	19.63	27.85	27.87	0.000077	0.67	218.14	43.02	0.10
Torrente Pesa	Pesa	.966666*		Max WS	TR030_TP18H	92.25	19.63	30.81	30.81	0.000008	0.25	363.14	58.36	0.03
Torrente Pesa	Pesa	.966666*		Max WS	TR030_TP24H	73.21	19.63	30.90	30.90	0.000005	0.20	368.39	58.36	0.03
Torrente Pesa	Pesa	.966666*		Max WS	TR030_TP36H	87.60	19.63	30.27	30.27	0.000009	0.26	331.91	55.57	0.03
Torrente Pesa	Pesa	.9*		Max WS	TR200_H8_00	312.48	19.69	31.11	31.14	0.000079	0.81	386.10	59.12	0.10
Torrente Pesa	Pesa	.9*		Max WS	TR200_TP18H	154.56	19.69	31.80	31.81	0.000014	0.36	426.93	59.12	0.04
Torrente Pesa	Pesa	.9*		Max WS	TR200_TP24H	77.78	19.69	31.85	31.85	0.000004	0.18	429.60	59.12	0.02
Torrente Pesa	Pesa	.9*		Max WS	TR200_TP36H	45.46	19.69	31.69	31.69	0.000001	0.11	420.27	59.12	0.01
Torrente Pesa	Pesa	.9*		Max WS	TR030_H4_00	147.17	19.69	27.85	27.87	0.000075	0.67	220.53	43.95	0.10
Torrente Pesa	Pesa	.9*		Max WS	TR030_TP18H	91.01	19.69	30.81	30.81	0.000008	0.25	368.23	59.12	0.03
Torrente Pesa	Pesa	.9*		Max WS	TR030_TP24H	71.58	19.69	30.90	30.90	0.000005	0.19	373.54	59.12	0.02
Torrente Pesa	Pesa	.9*		Max WS	TR030_TP36H	87.59	19.69	30.27	30.27	0.000009	0.26	336.62	56.18	0.03
Torrente Pesa	Pesa	.833333*		Max WS	TR200_H8_00	310.01	19.74	31.11	31.14	0.000075	0.79	391.33	59.87	0.10
Torrente Pesa	Pesa	.833333*		Max WS	TR200_TP18H	140.75	19.74	31.80	31.81	0.000011	0.33	432.73	59.87	0.04
Torrente Pesa	Pesa	.833333*		Max WS	TR200_TP24H	63.27	19.74	31.85	31.85	0.000002	0.15	435.38	59.87	0.02
Torrente Pesa	Pesa	.833333*		Max WS	TR200_TP36H	33.69	19.74	31.69	31.69	0.000001	0.08	425.87	59.87	0.01
Torrente Pesa	Pesa	.833333*		Max WS	TR030_H4_00	147.17	19.74	27.85	27.87	0.000074	0.66	222.76	44.87	0.09
Torrente Pesa	Pesa	.833333*		Max WS	TR030_TP18H	89.60	19.74	30.81	30.81	0.000007	0.24	373.17	59.87	0.03
Torrente Pesa	Pesa	.833333*		Max WS	TR030_TP24H	69.77	19.74	30.90	30.90	0.000004	0.18	378.56	59.87	0.02
Torrente Pesa	Pesa	.833333*		Max WS	TR030_TP36H	87.59	19.74	30.27	30.27	0.000009	0.26	341.17	56.79	0.03
Torrente Pesa	Pesa	.766666*		Max WS	TR200_H8_00	306.43	19.80	31.11	31.14	0.000069	0.77	396.42	60.62	0.10
Torrente Pesa	Pesa	.766666*		Max WS	TR200_TP18H	127.57	19.80	31.81	31.81	0.000009	0.29	438.34	60.62	0.03
Torrente Pesa	Pesa	.766666*		Max WS	TR200_TP24H	49.45	19.80	31.85	31.85	0.000001	0.11	440.95	60.62	0.01
Torrente Pesa	Pesa	.766666*		Max WS	TR200_TP36H	22.46	19.80	31.69	31.69	0.000000	0.05	431.30	60.62	0.01
Torrente Pesa	Pesa	.766666*		Max WS	TR030_H4_00	147.17	19.80	27.85	27.87	0.000073	0.65	224.78	45.78	0.09
Torrente Pesa	Pesa	.766666*		Max WS	TR030_TP18H	87.92	19.80	30.81	30.81	0.000007	0.23	377.94	60.62	0.03
Torrente Pesa	Pesa	.766666*		Max WS	TR030_TP24H	67.45	19.80	30.90	30.90	0.000004	0.18	383.39	60.62	0.02
Torrente Pesa	Pesa	.766666*		Max WS	TR030_TP36H	87.59	19.80	30.27	30.27	0.000008	0.25	345.55	57.39	0.03
Torrente Pesa	Pesa	.7*		Max WS	TR200_H8_00	302.24	19.85	31.12	31.14	0.000065	0.75	401.33	61.37	0.09
Torrente Pesa	Pesa	.7*		Max WS	TR200_TP18H	114.46	19.85	31.81	31.81	0.000007	0.26	443.78	61.37	0.03
Torrente Pesa	Pesa	.7*		Max WS	TR200_TP24H	35.71	19.85	31.85	31.85	0.000001	0.08	446.36	61.37	0.01
Torrente Pesa	Pesa	.7*		Max WS	TR200_TP36H	11.28	19.85	31.69	31.69	0.000000	0.03	436.58	61.37	0.00
Torrente Pesa	Pesa	.7*		Max WS	TR030_H4_00	147.17	19.85	27.85	27.87	0.000072	0.65	226.64	46.69	0.09
Torrente Pesa	Pesa	.7*		Max WS	TR030_TP18H	86.17	19.85	30.81	30.81	0.000006	0.23	382.53	61.37	

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

River	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
Torrente Pesa	Pesa	.633333*	Max WS	TR030_TP36H	87.57	19.91	30.27		30.27	0.000008	0.25	353.81	58.65	0.03
Torrente Pesa	Pesa	.566666*	Max WS	TR200_H8_00	291.58	19.96	31.12		31.15	0.000057	0.71	410.72	62.88	0.09
Torrente Pesa	Pesa	.566666*	Max WS	TR200_TP18H	85.19	19.96	31.81		31.81	0.000003	0.19	454.13	62.88	0.02
Torrente Pesa	Pesa	.566666*	Max WS	TR200_TP24H	16.45	19.96	31.85		31.85	0.000000	0.04	456.64	62.88	0.00
Torrente Pesa	Pesa	.566666*	Max WS	TR200_TP36H	-12.33	19.96	31.69		31.69	0.000000	-0.03	446.58	62.88	0.00
Torrente Pesa	Pesa	.566666*	Max WS	TR030_H4_00	147.16	19.96	27.85		27.87	0.000071	0.64	229.84	48.48	0.09
Torrente Pesa	Pesa	.566666*	Max WS	TR030_TP18H	81.53	19.96	30.81		30.81	0.000005	0.21	391.25	62.88	0.03
Torrente Pesa	Pesa	.566666*	Max WS	TR030_TP24H	58.77	19.96	30.90		30.90	0.000003	0.15	396.91	62.88	0.02
Torrente Pesa	Pesa	.566666*	Max WS	TR030_TP36H	87.56	19.96	30.27		30.27	0.000008	0.24	357.68	59.29	0.03
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR200_H8_00	291.60	20.02	31.12	23.20	31.15	0.000057	0.70	415.07	63.63	0.09
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR200_TP18H	85.19	20.02	31.81	21.81	31.81	0.000004	0.19	458.98	63.63	0.02
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR200_TP24H	16.43	20.02	31.85	20.94	31.85	0.000000	0.04	461.52	63.63	0.00
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR200_TP36H	-12.36	20.02	31.69	20.83	31.69	0.000000	-0.03	451.34	63.63	0.00
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR030_H4_00	147.17	20.02	27.85	22.32	27.87	0.000071	0.64	231.16	49.37	0.09
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR030_TP18H	81.53	20.02	30.81	21.78	30.81	0.000005	0.21	395.35	63.63	0.03
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR030_TP24H	58.77	20.02	30.90	21.55	30.90	0.000003	0.15	401.07	63.63	0.02
Torrente Pesa	Pesa	0.5 PE1000	Max WS	TR030_TP36H	87.55	20.02	30.27	21.84	30.27	0.000007	0.24	361.40	59.94	0.03