



COMUNE DI PISCINAS

COMMITTENTE

**Amministrazione Comunale di
PISCINAS**

SINDACO

ASS.RE PIAN. TERRITORIALE

Mariano Cogotti

Eleonora Atzei

ANALISI DI DETTAGLIO DELLE AREE A PERICOLOSITA' IDRAULICA (Art. 8 NTA del P.A.I.)

RESPONSABILE DEL PROCEDIMENTO

Geom. Giampiero Secci

PROGETTISTA INCARICATO

Dott. Ing. Alessandro Salis

Via Palomba 53, 09128 Cagliari
tel. 3466759914 e-mail salisa@tiscali.it

Dott.Geol. Samuele Todde

Via Cixerri 112, 09010 Siliqua
tel. 3923145722 e-mail samtodde@tiscali.it

Elaborato

ALLEGATI HECRAS

Allegato

02

Scala

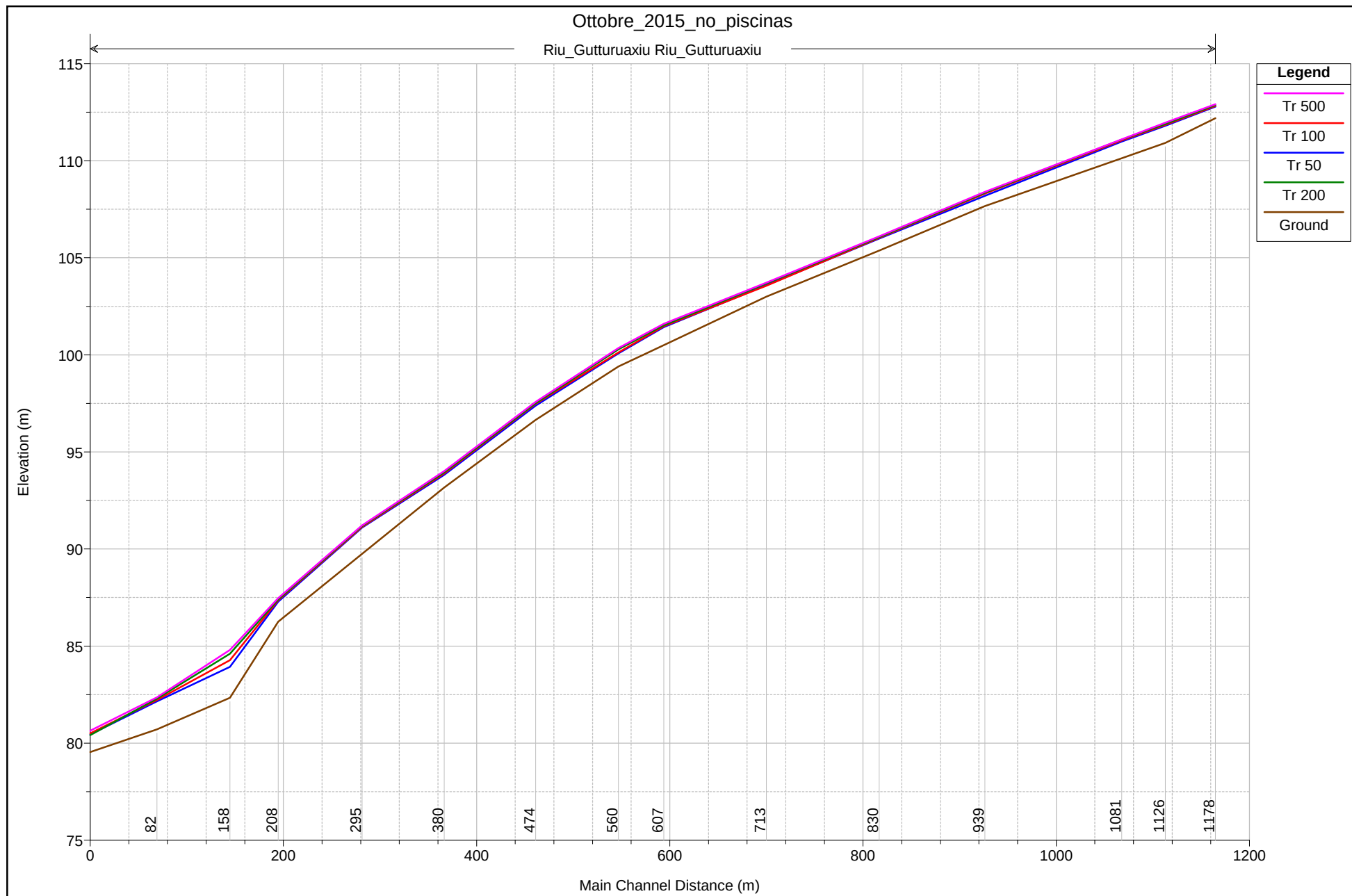
Data

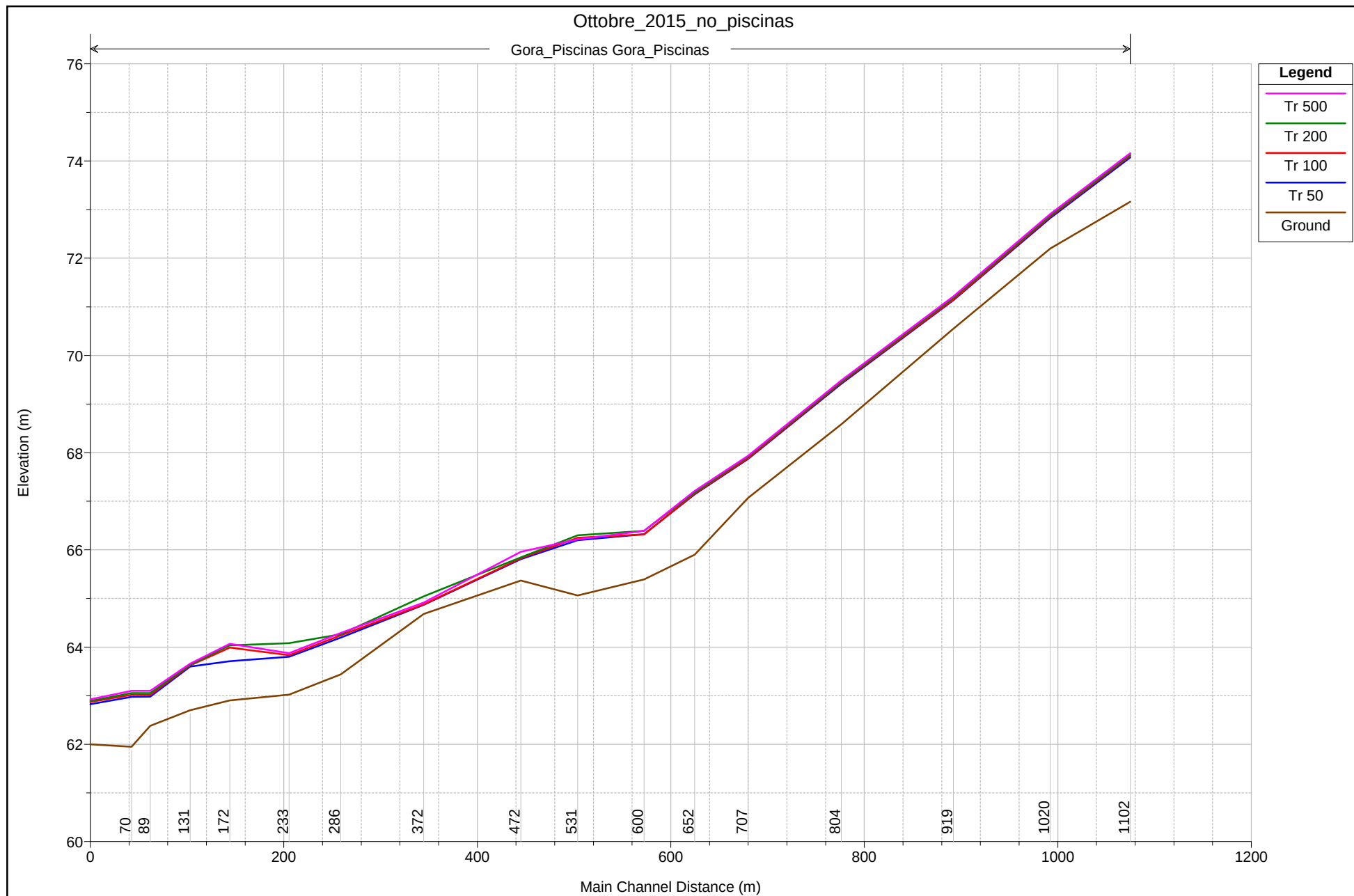
MAGGIO 2016

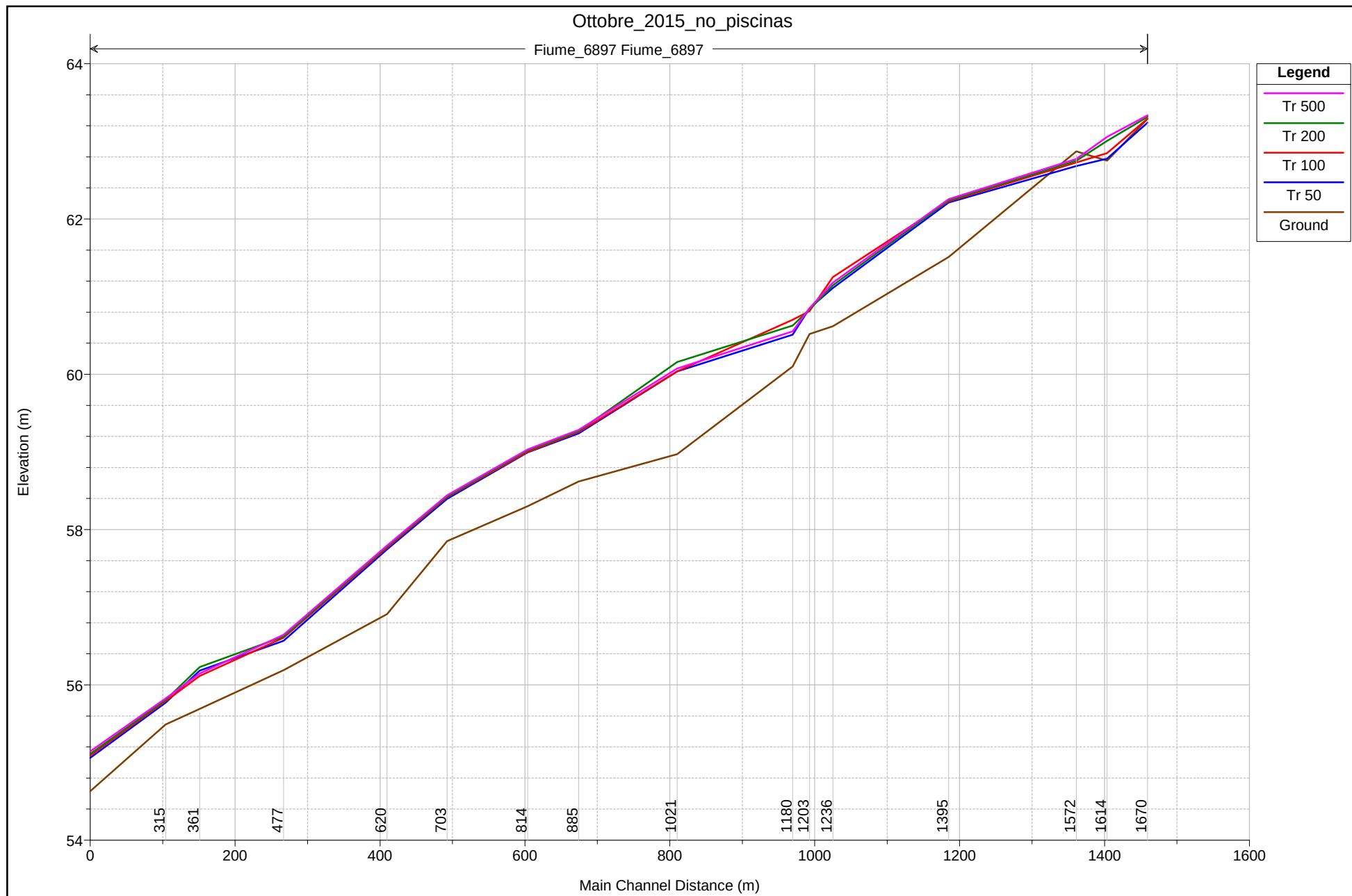
Rev.

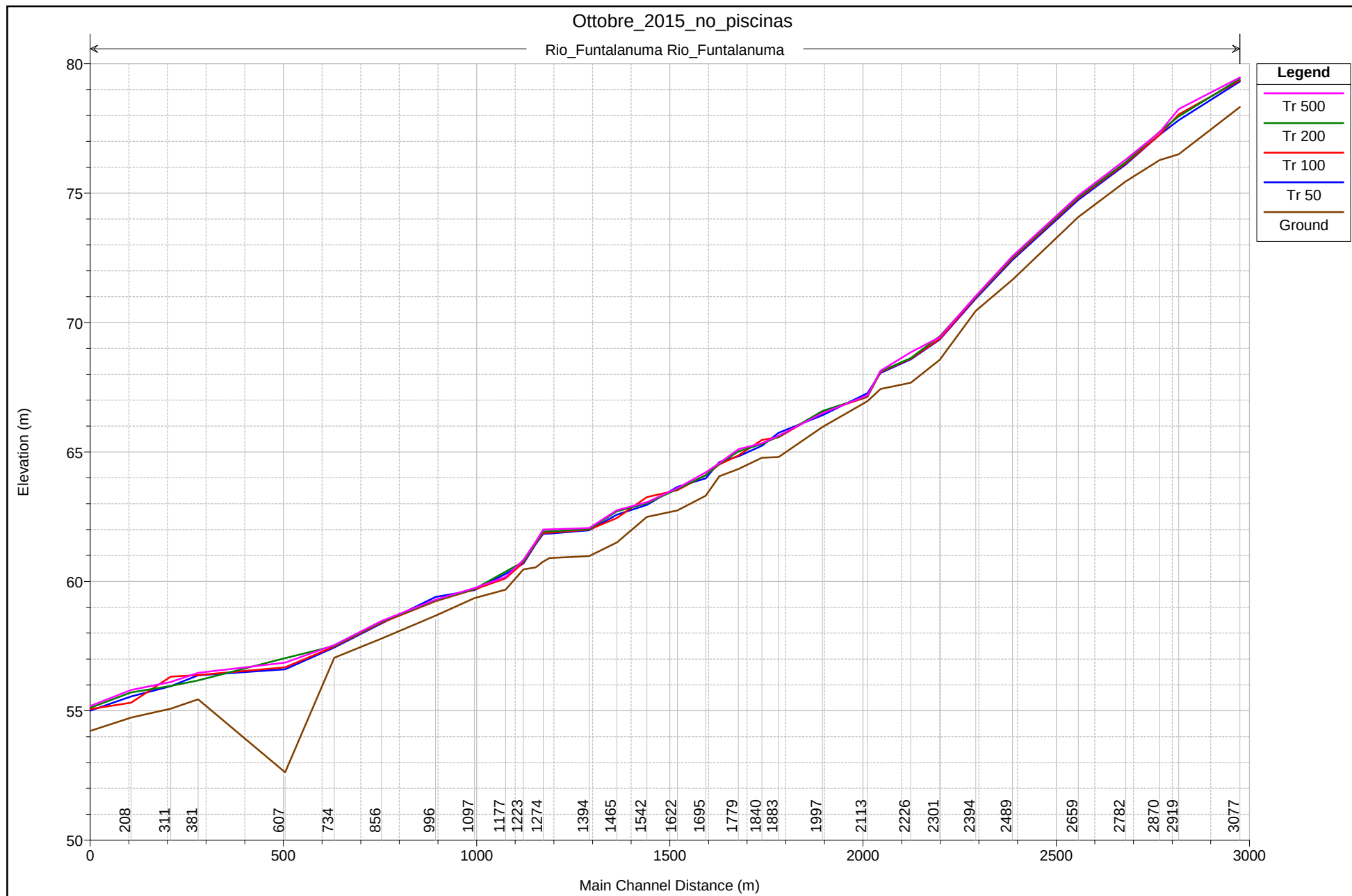
01

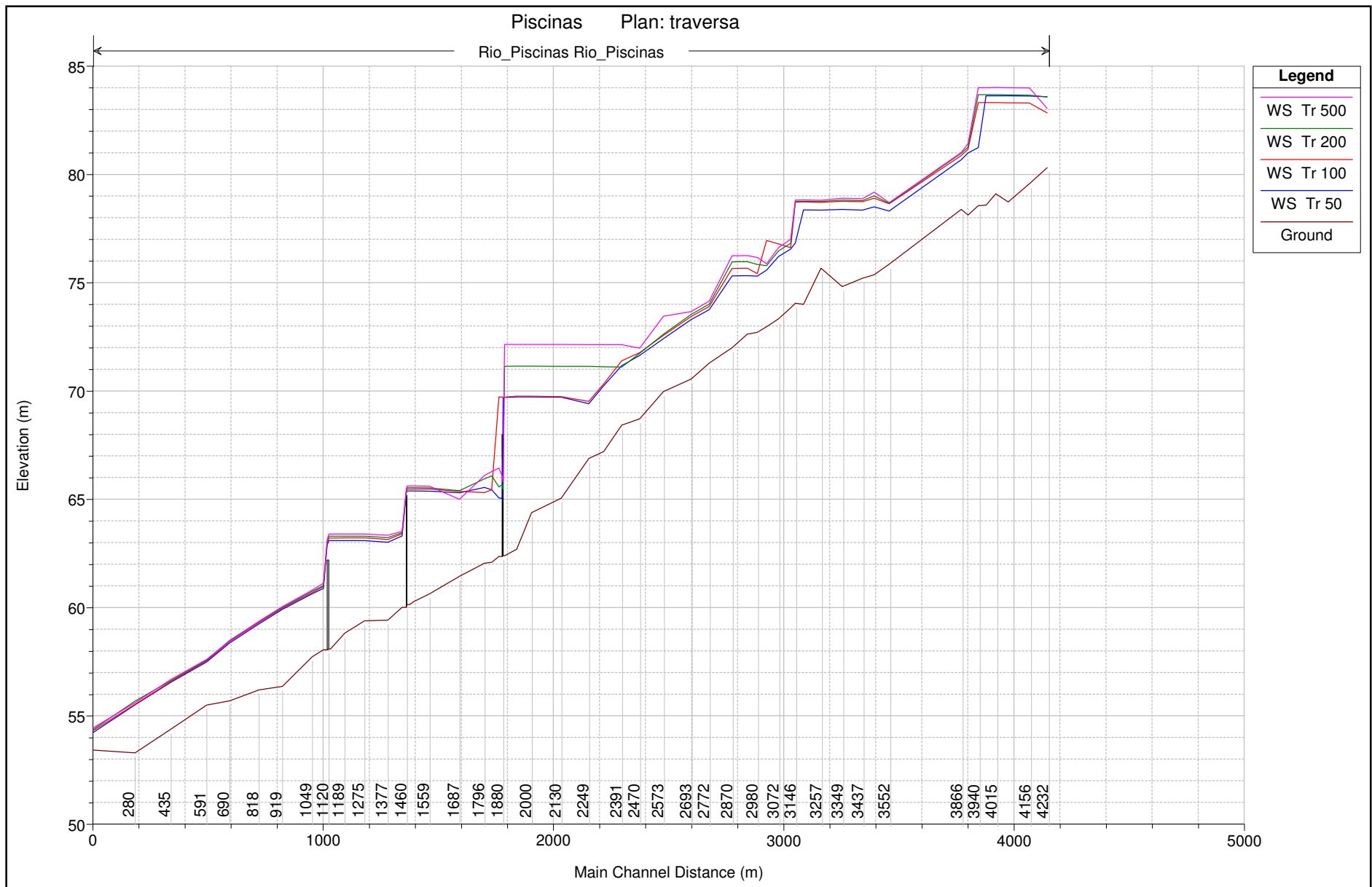
PROFILI



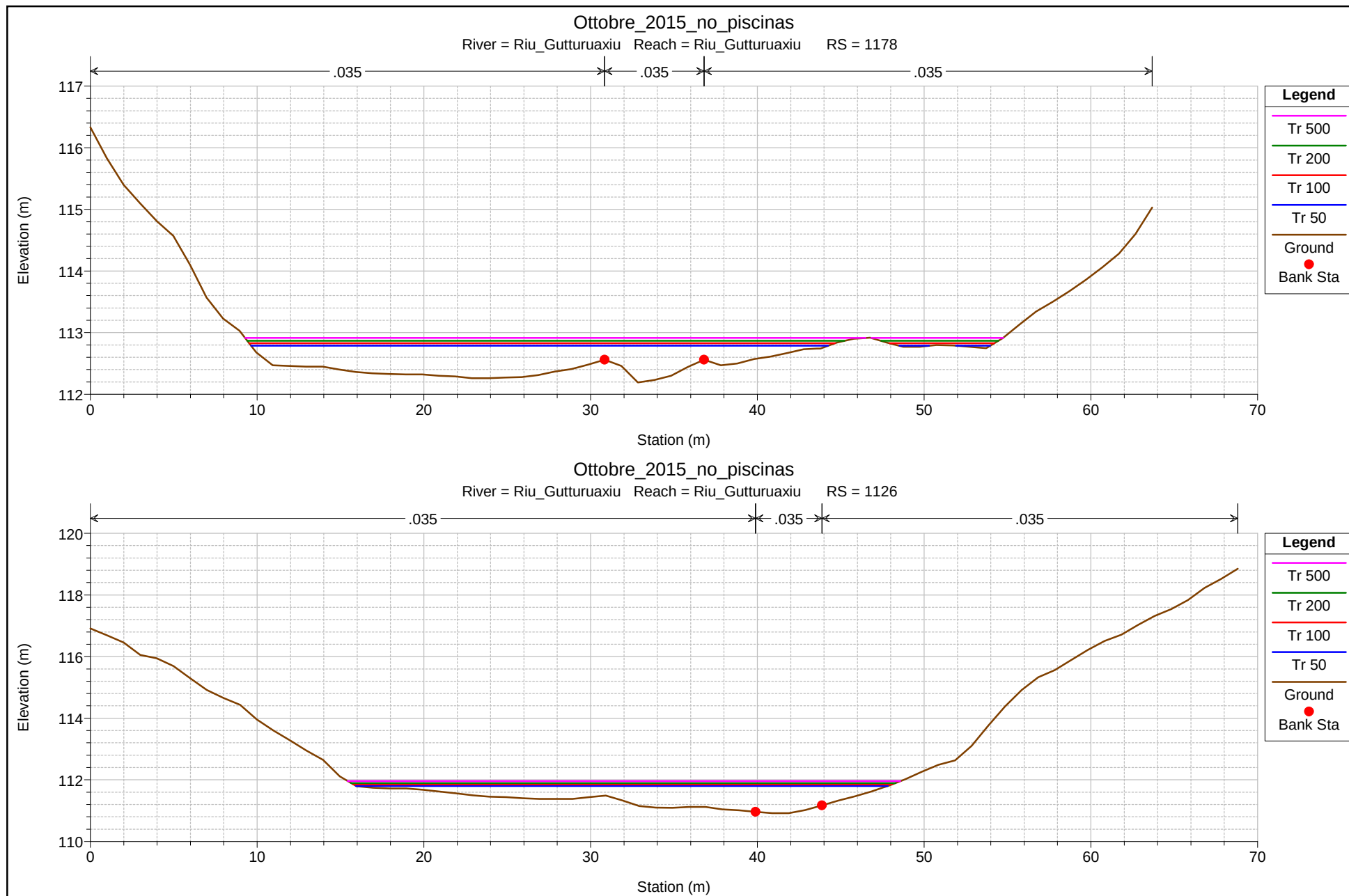


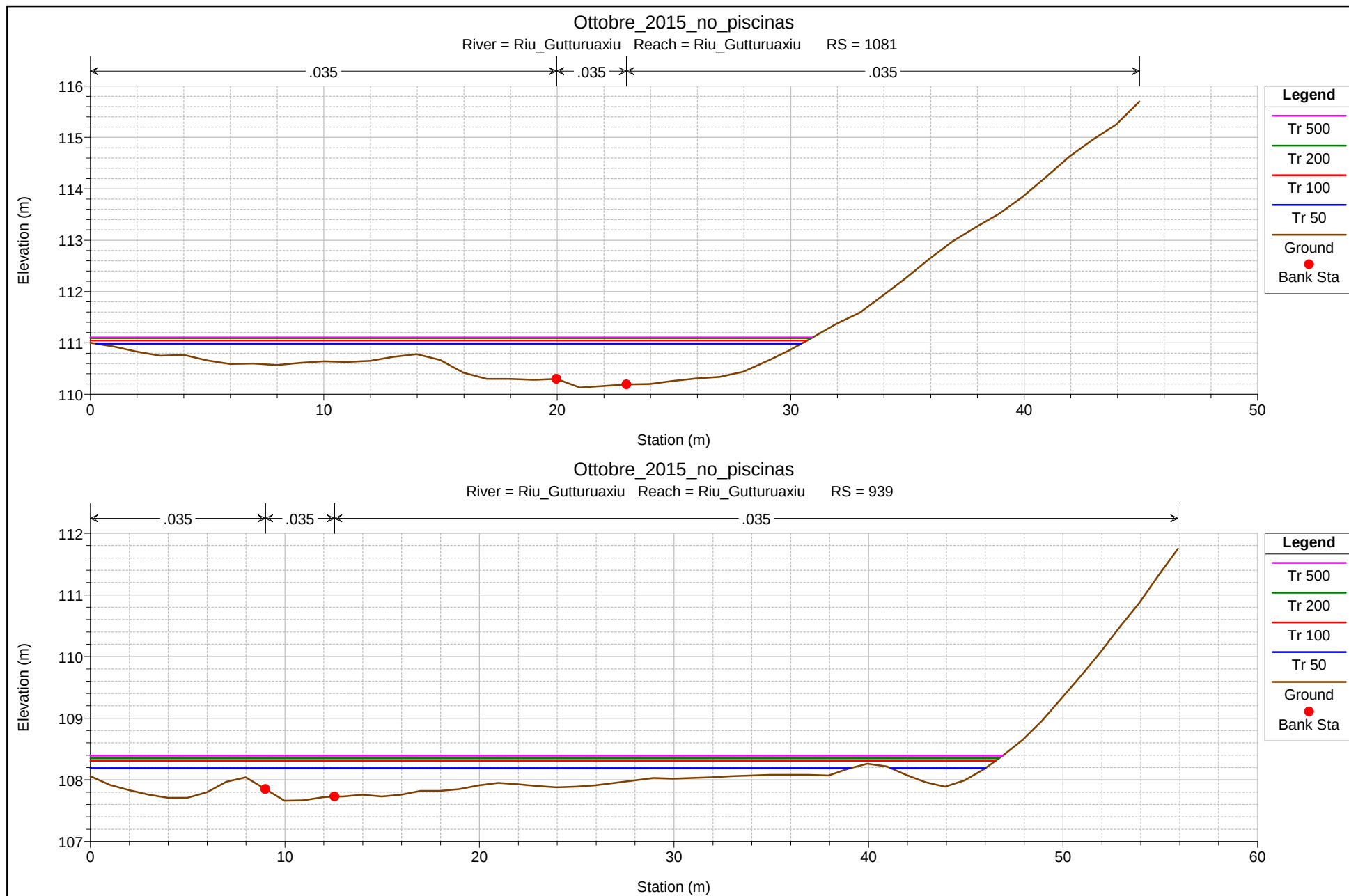


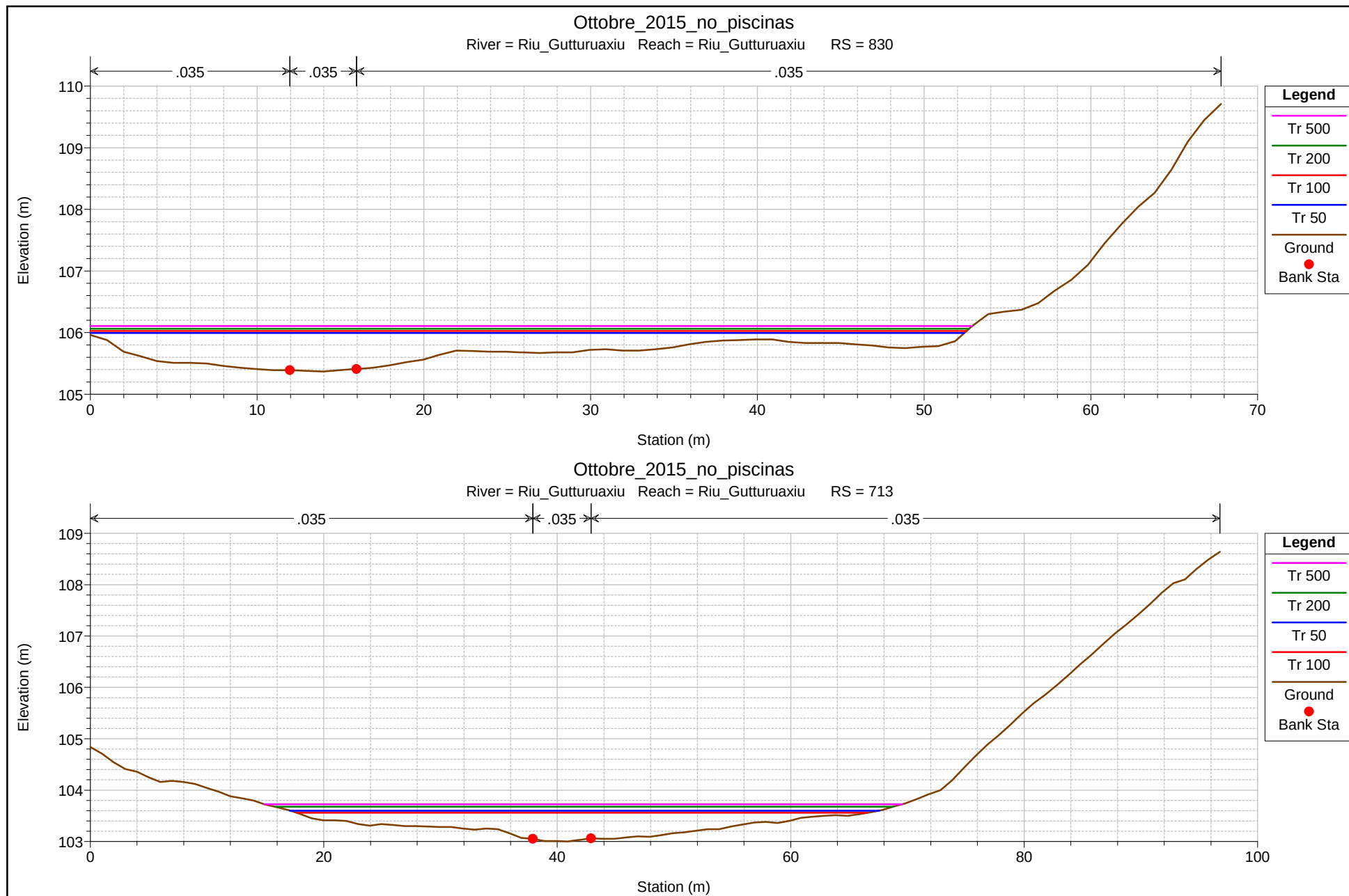


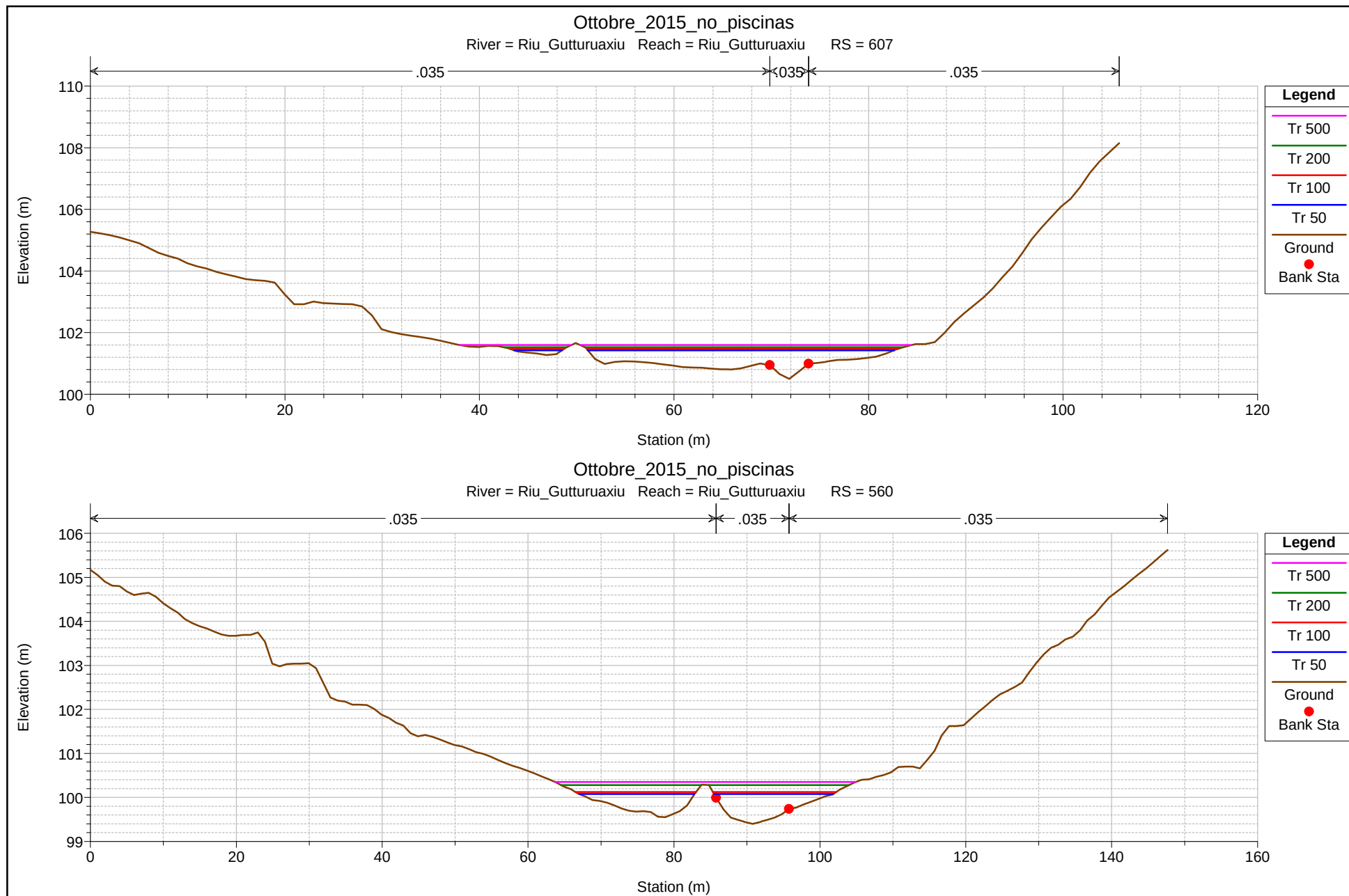


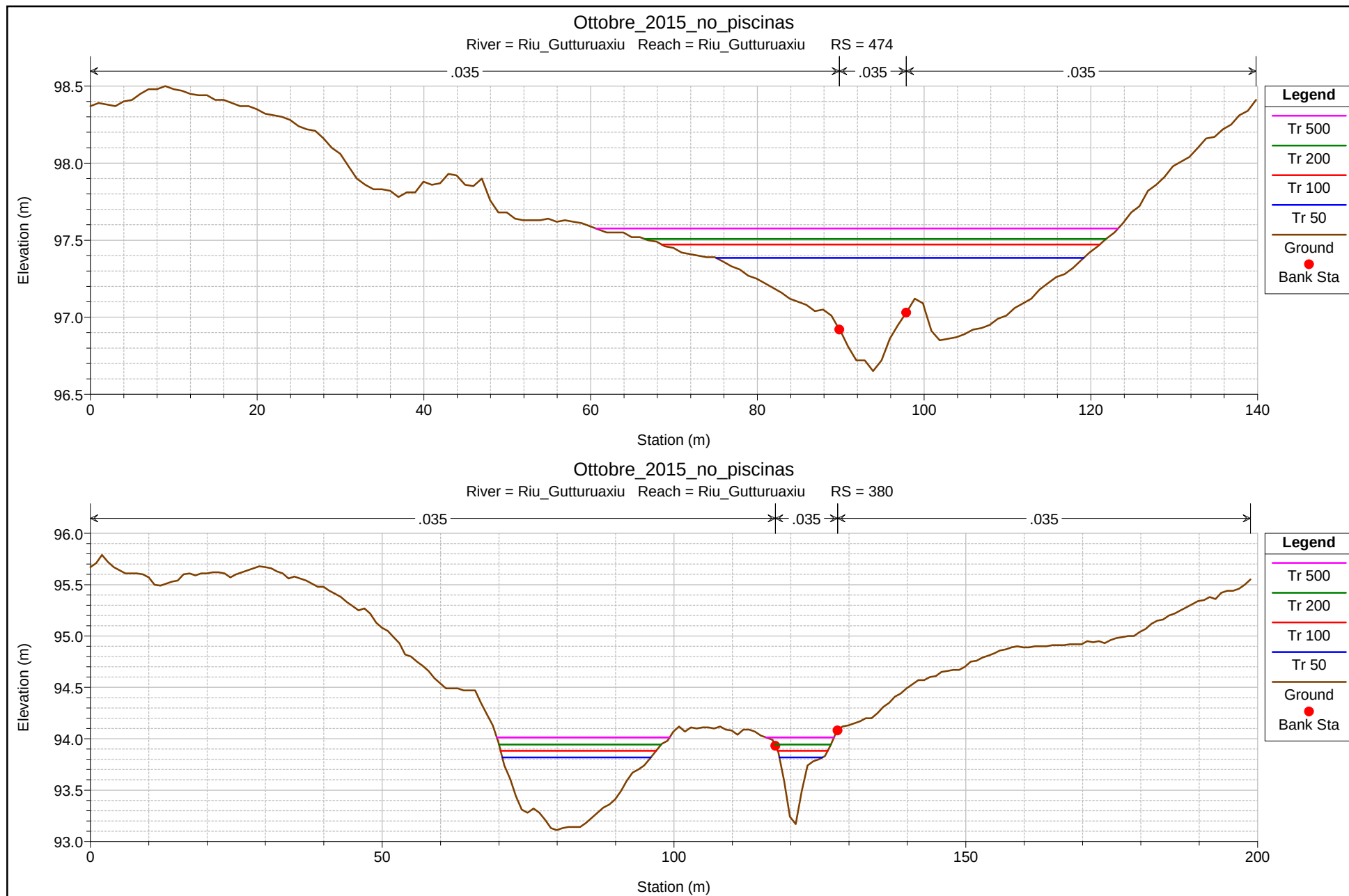
SEZIONI

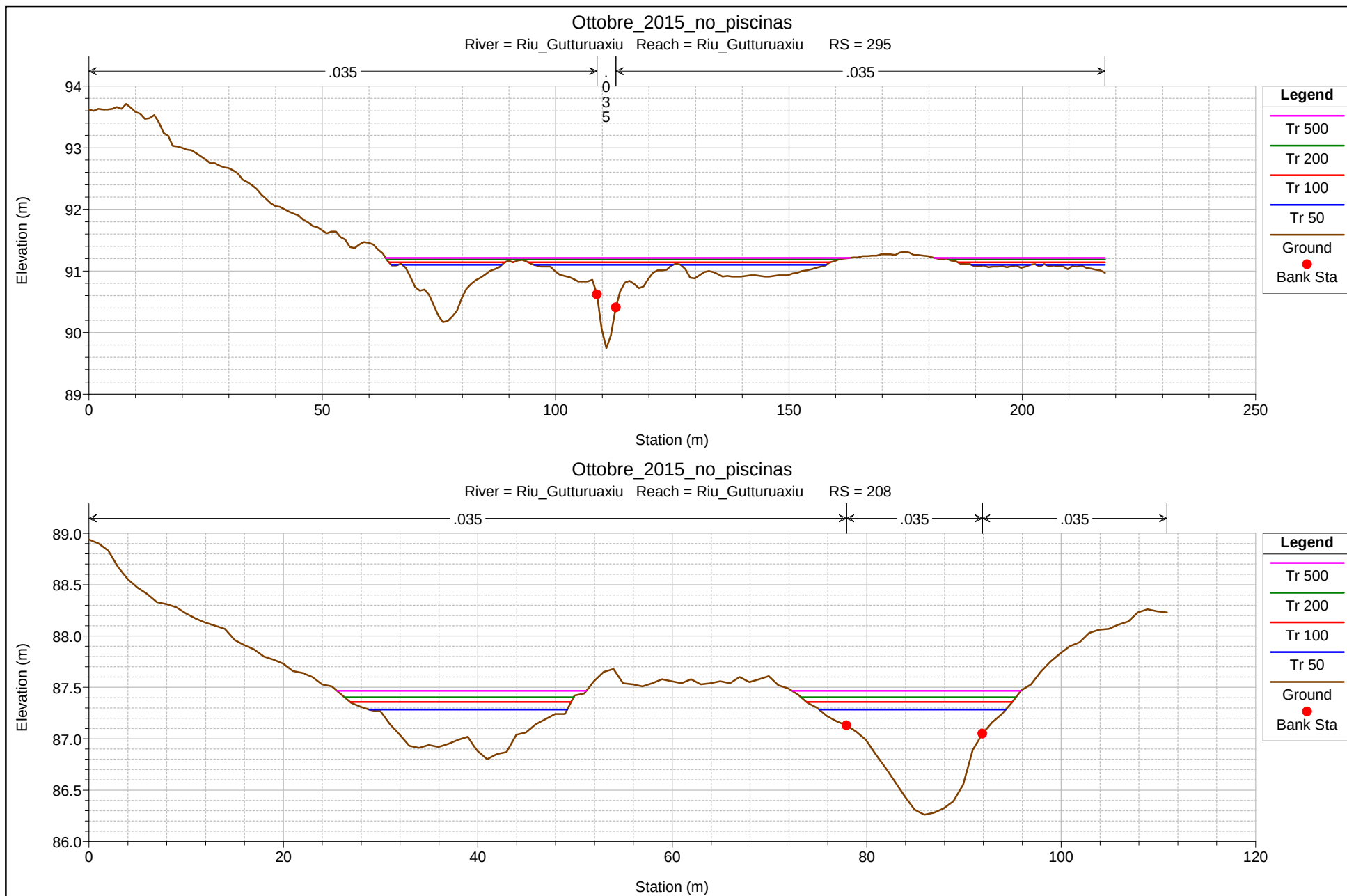


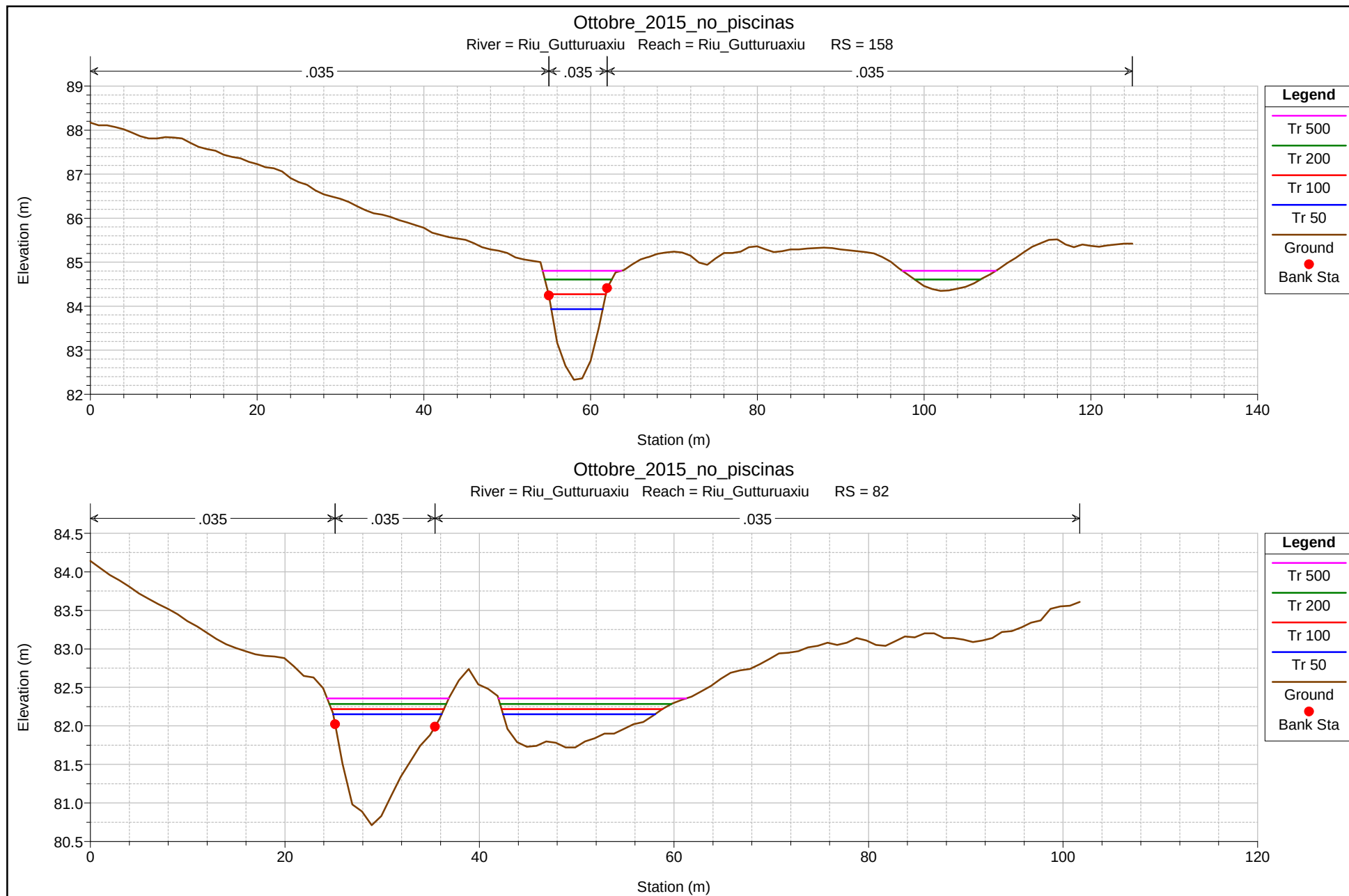


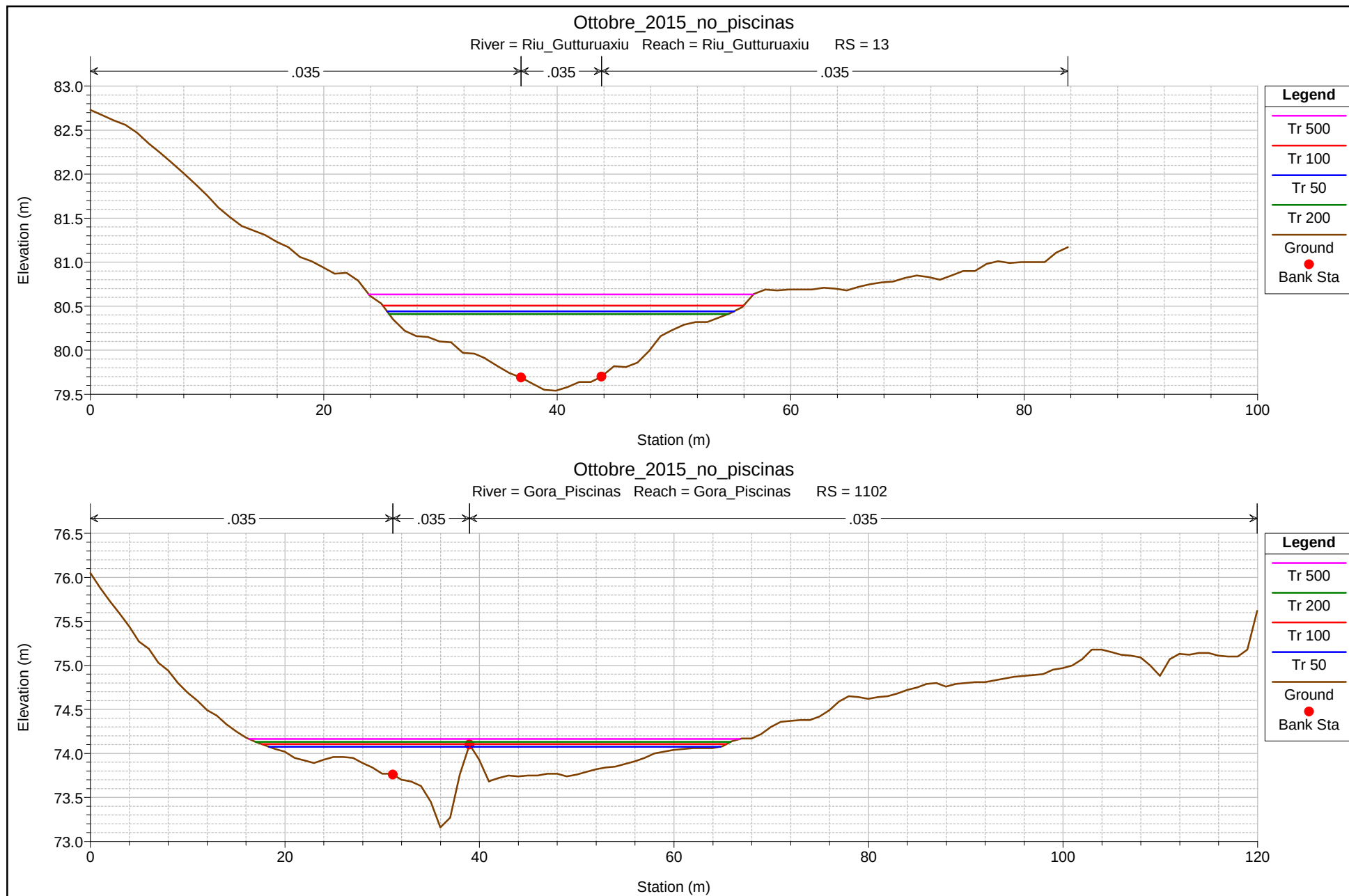


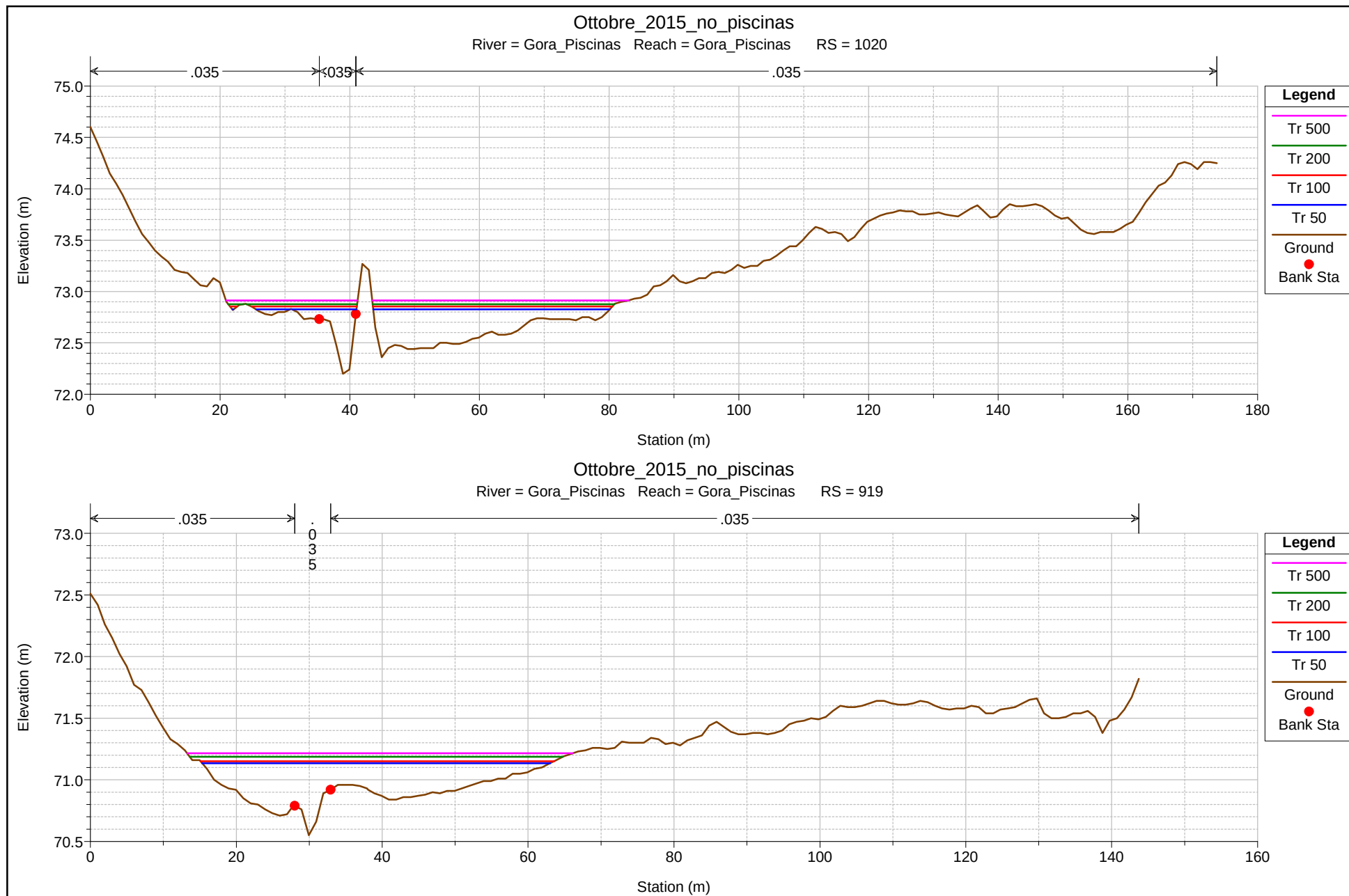


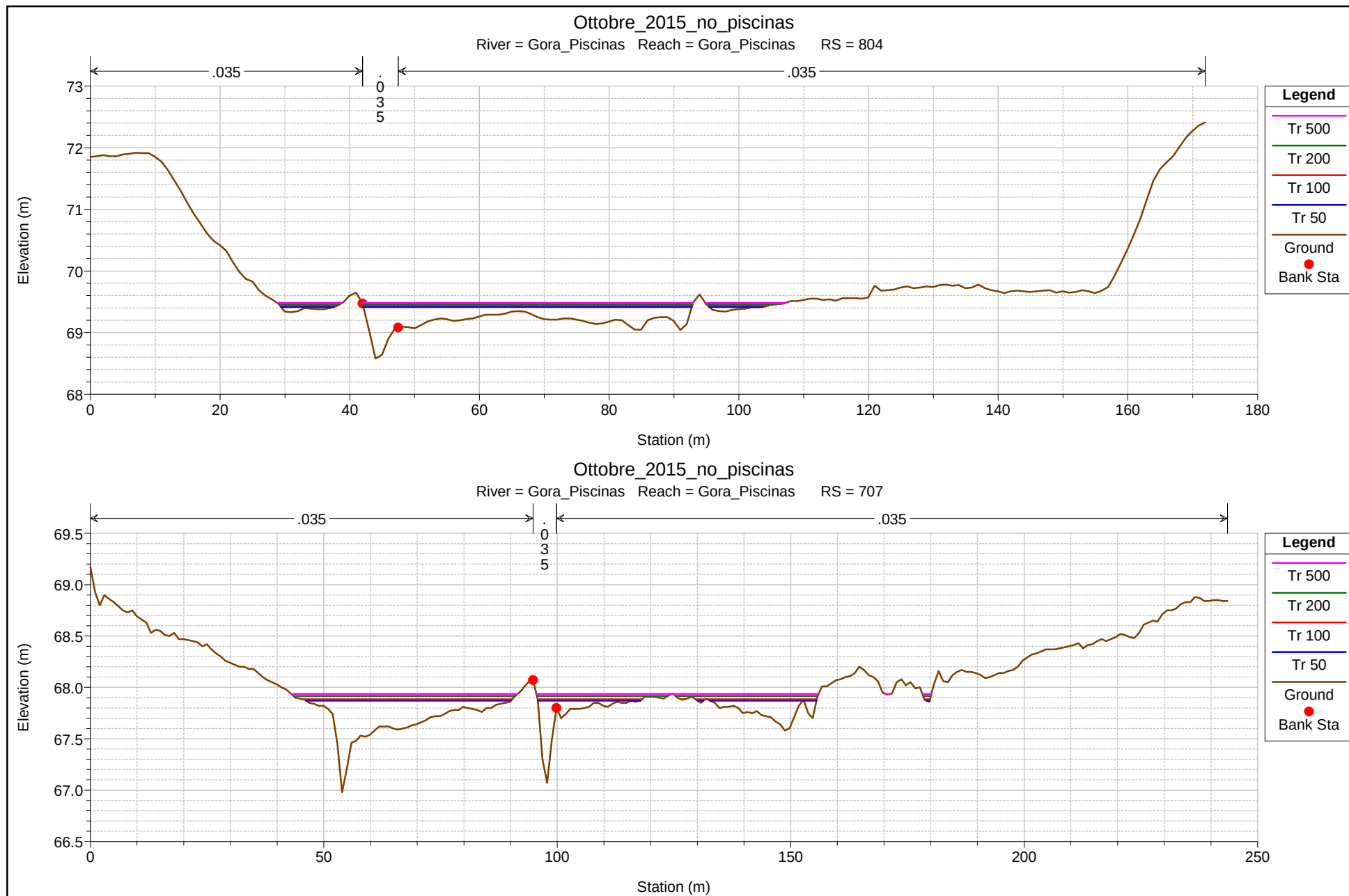


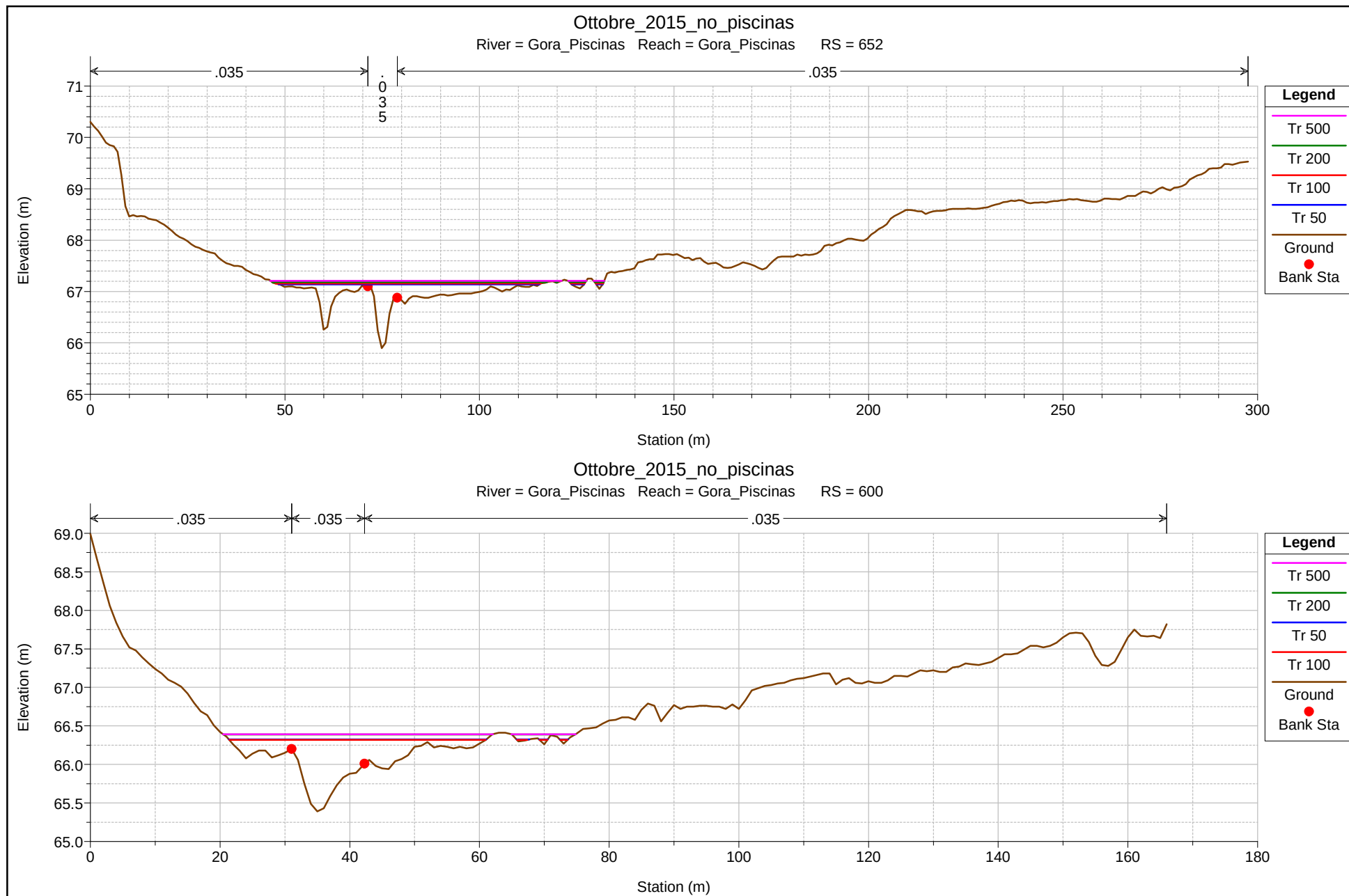


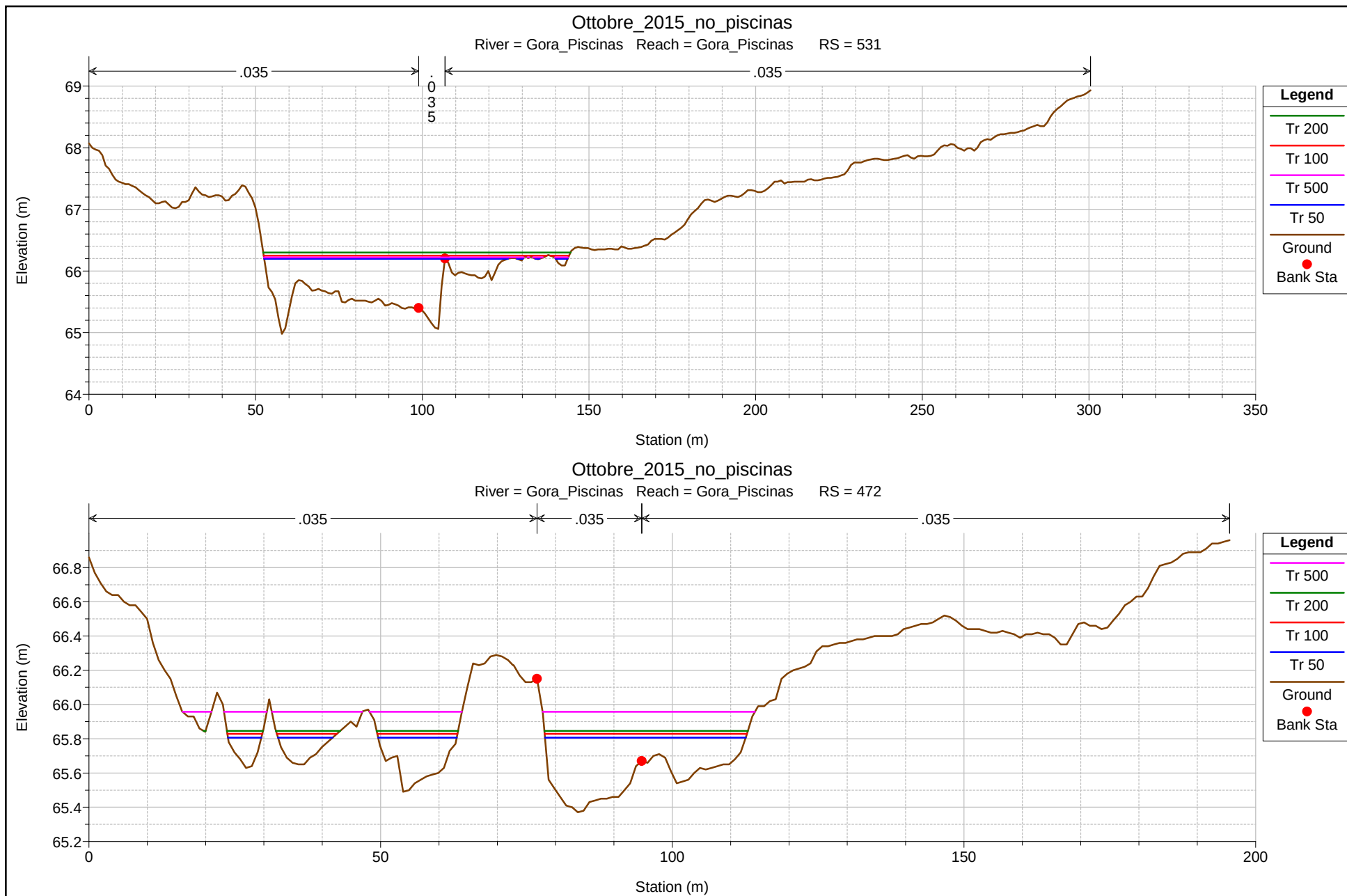


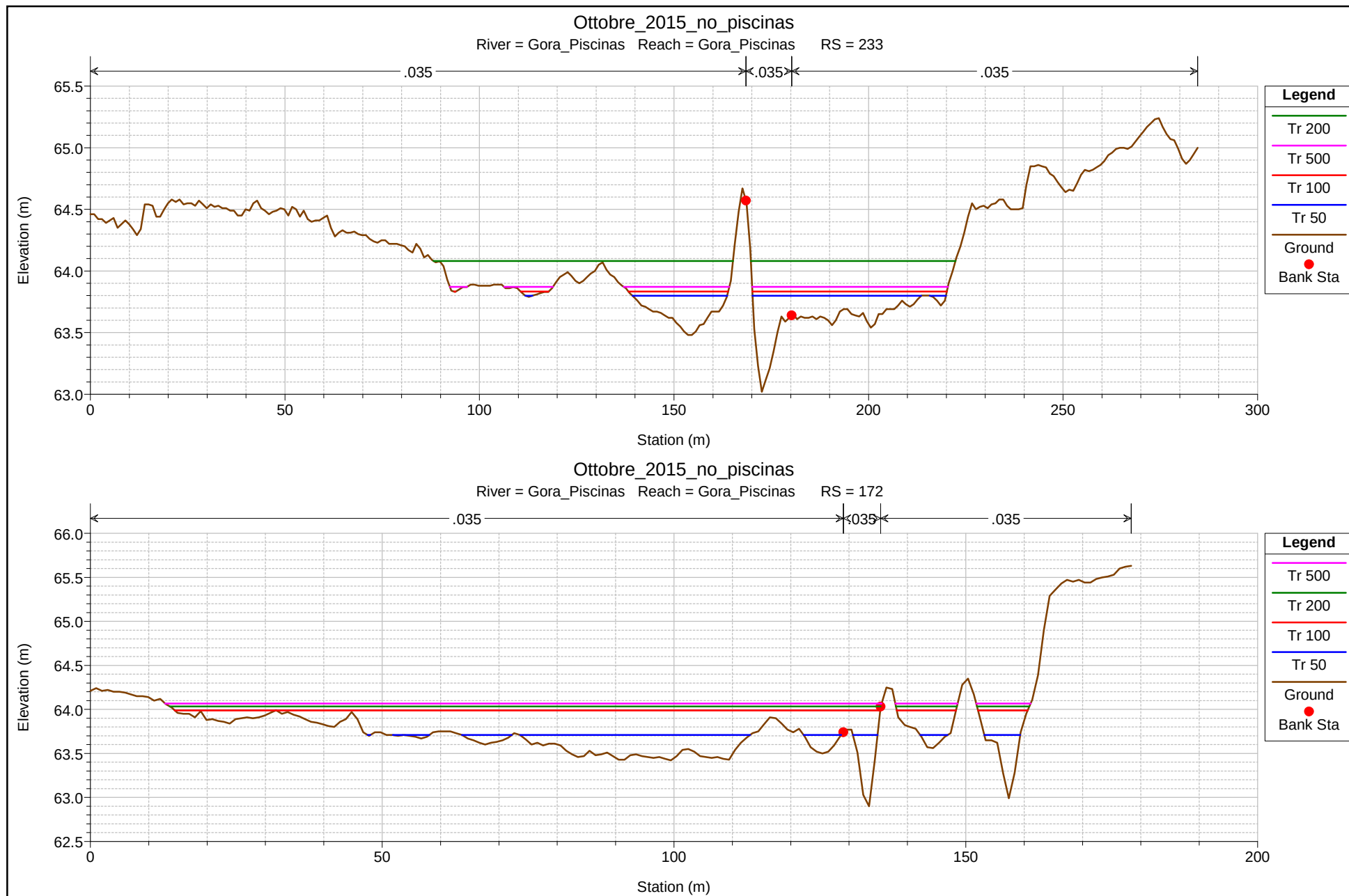


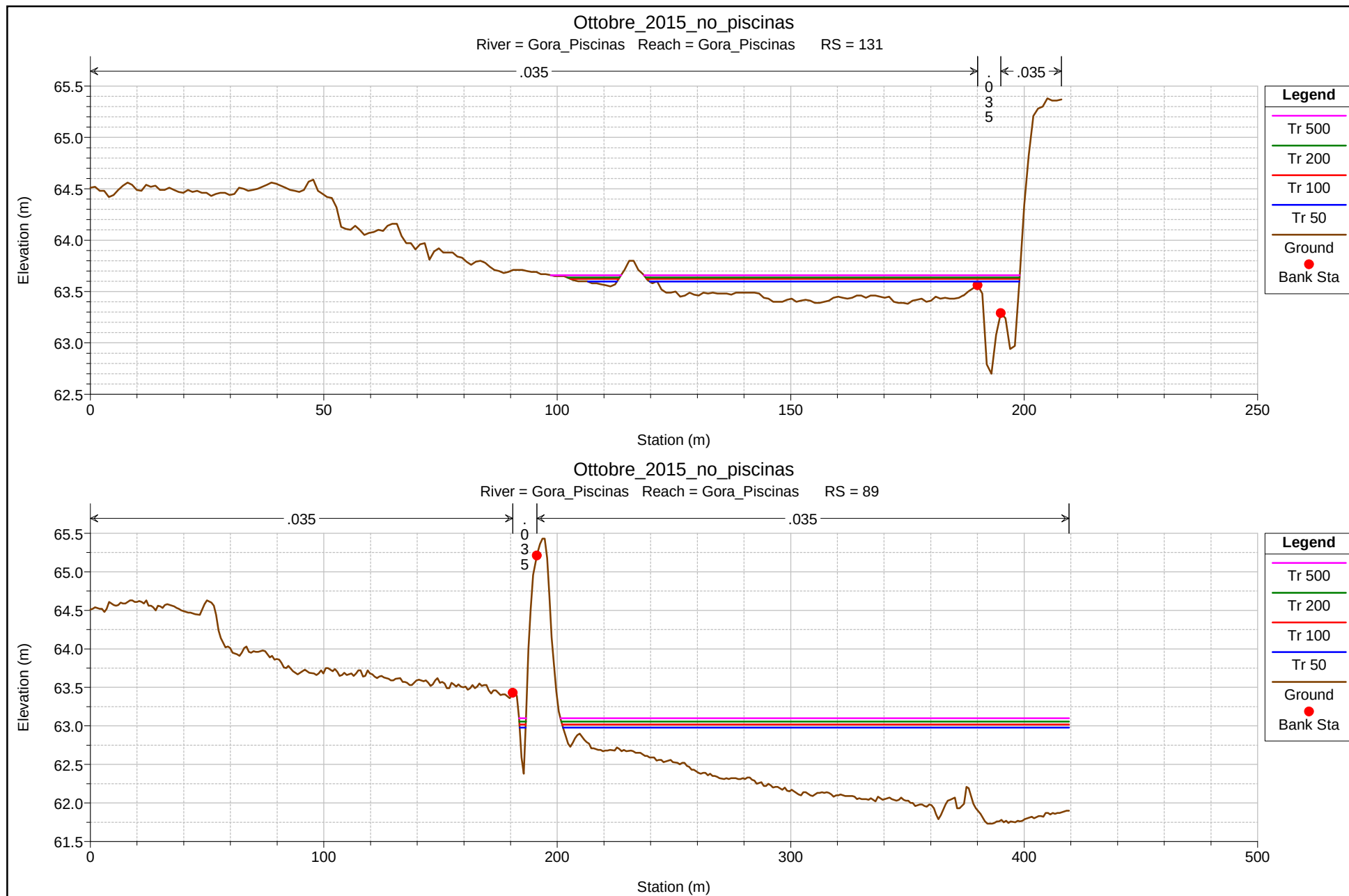


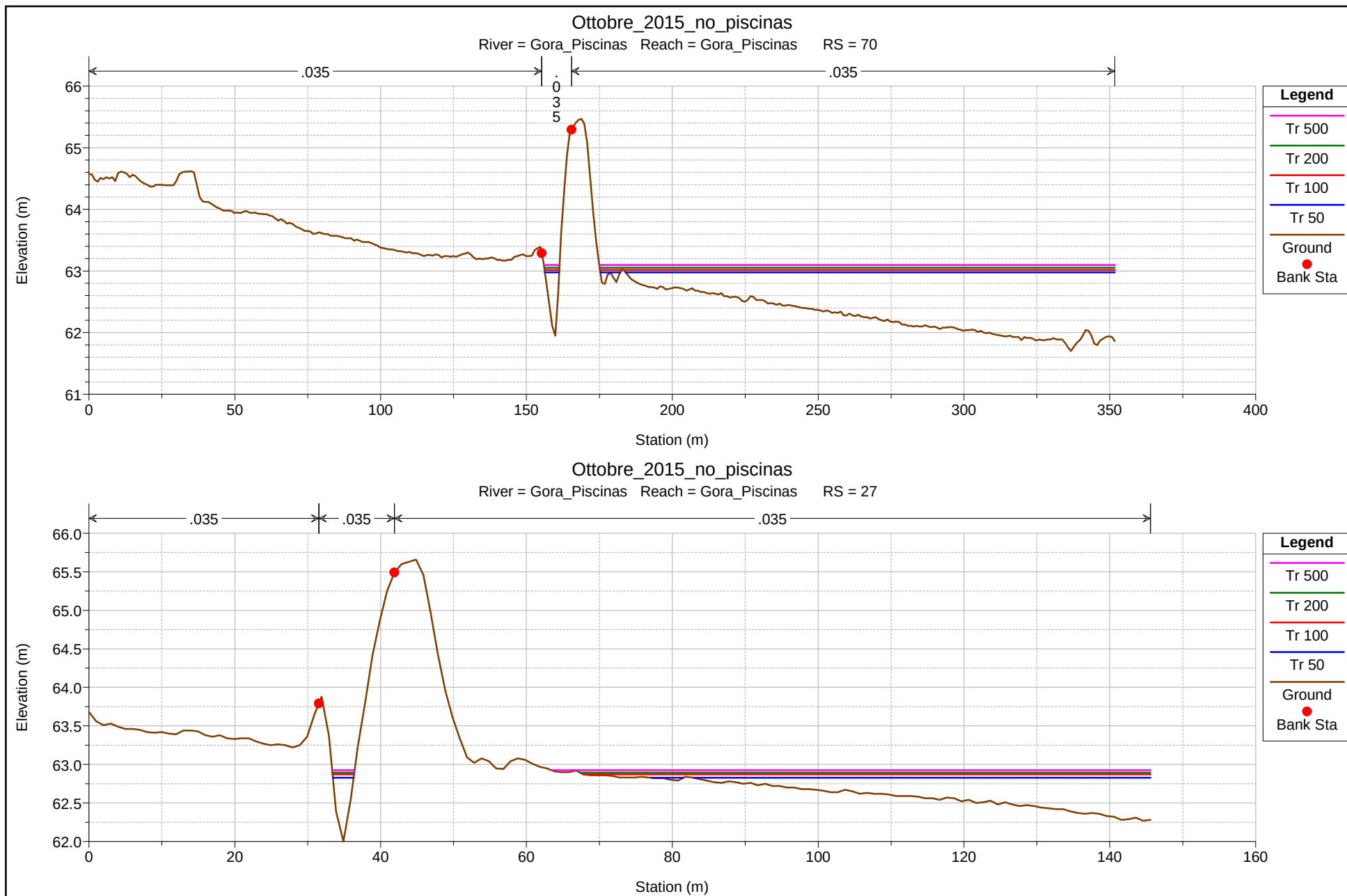


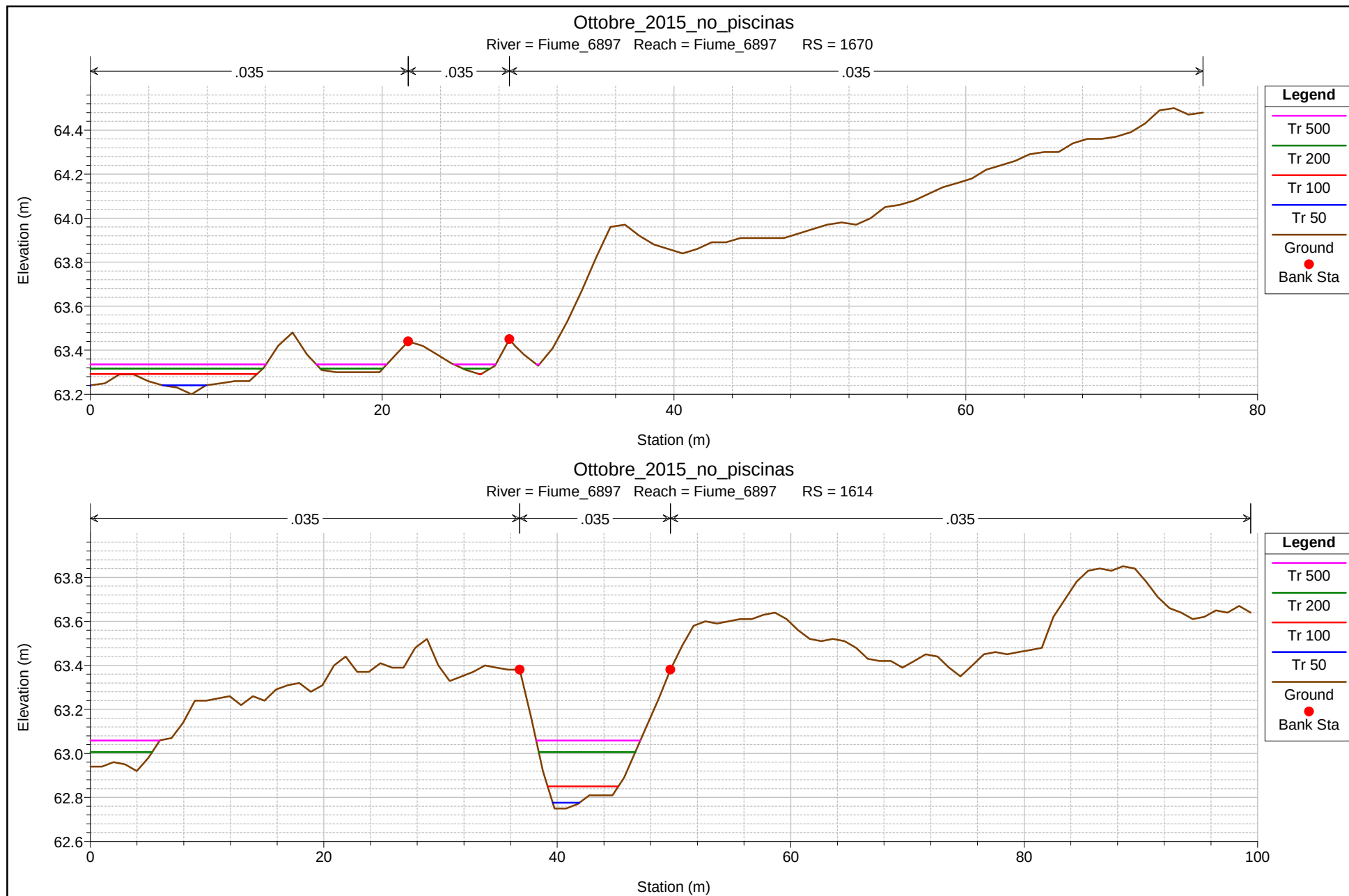


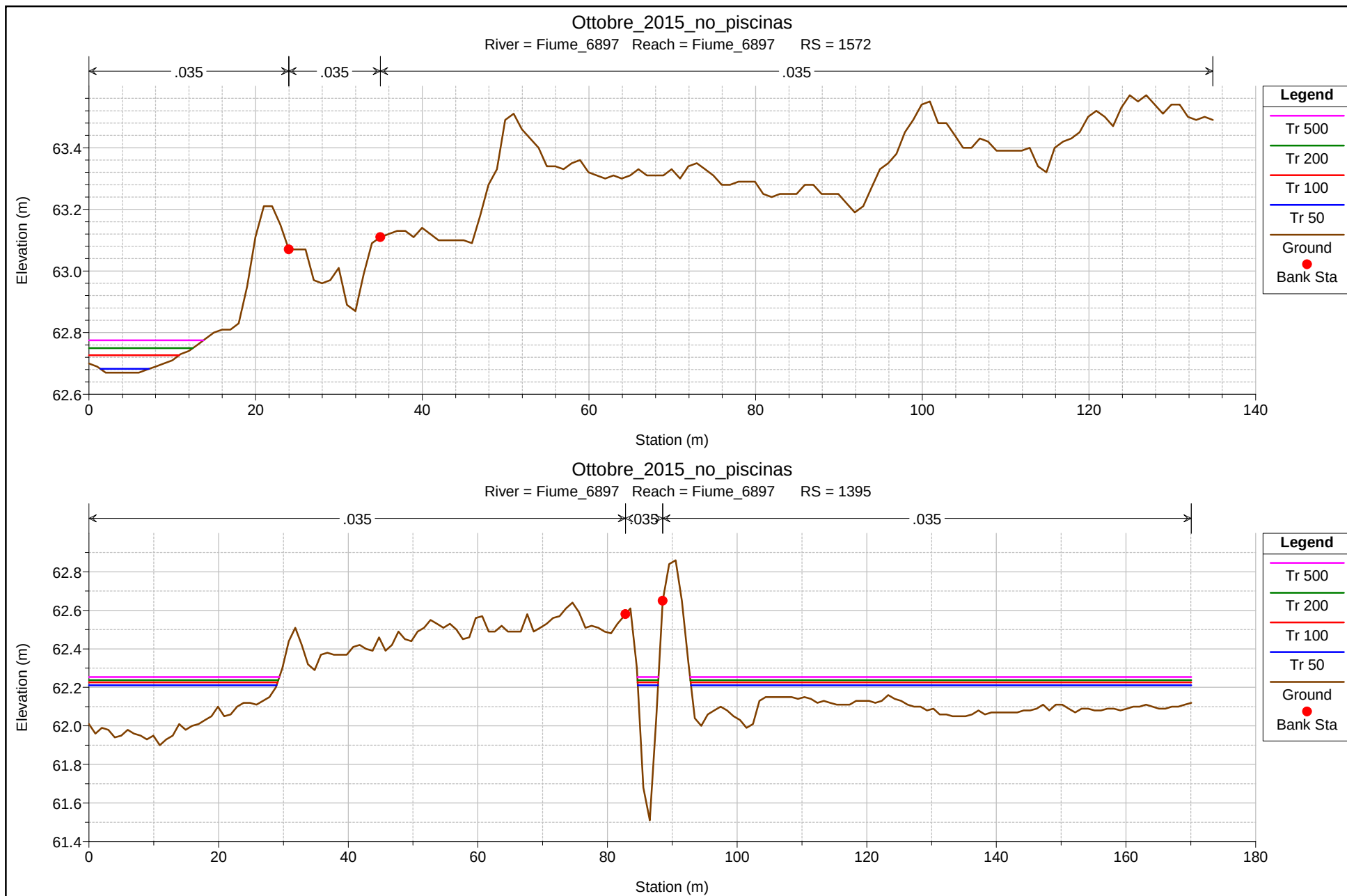


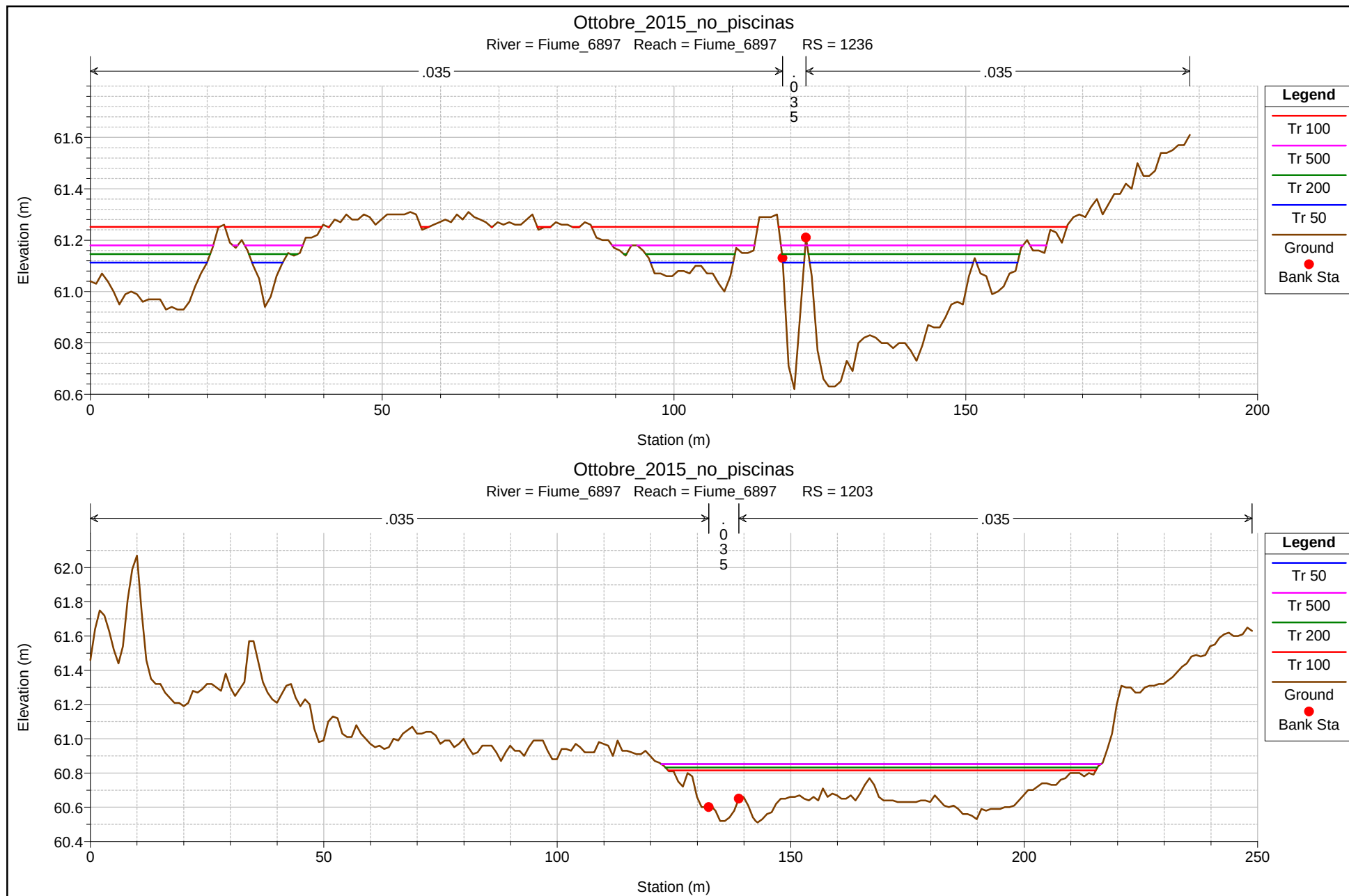


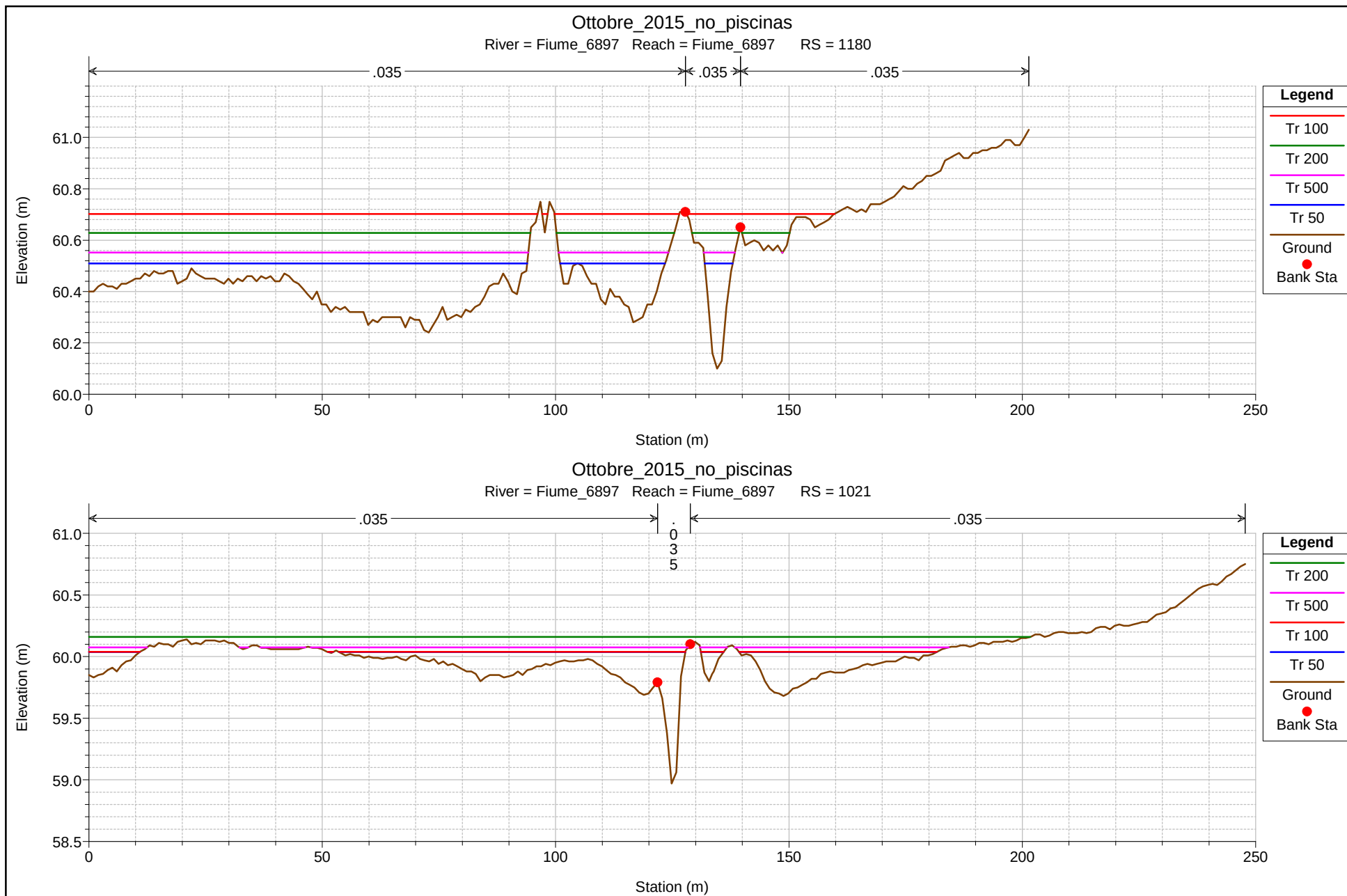


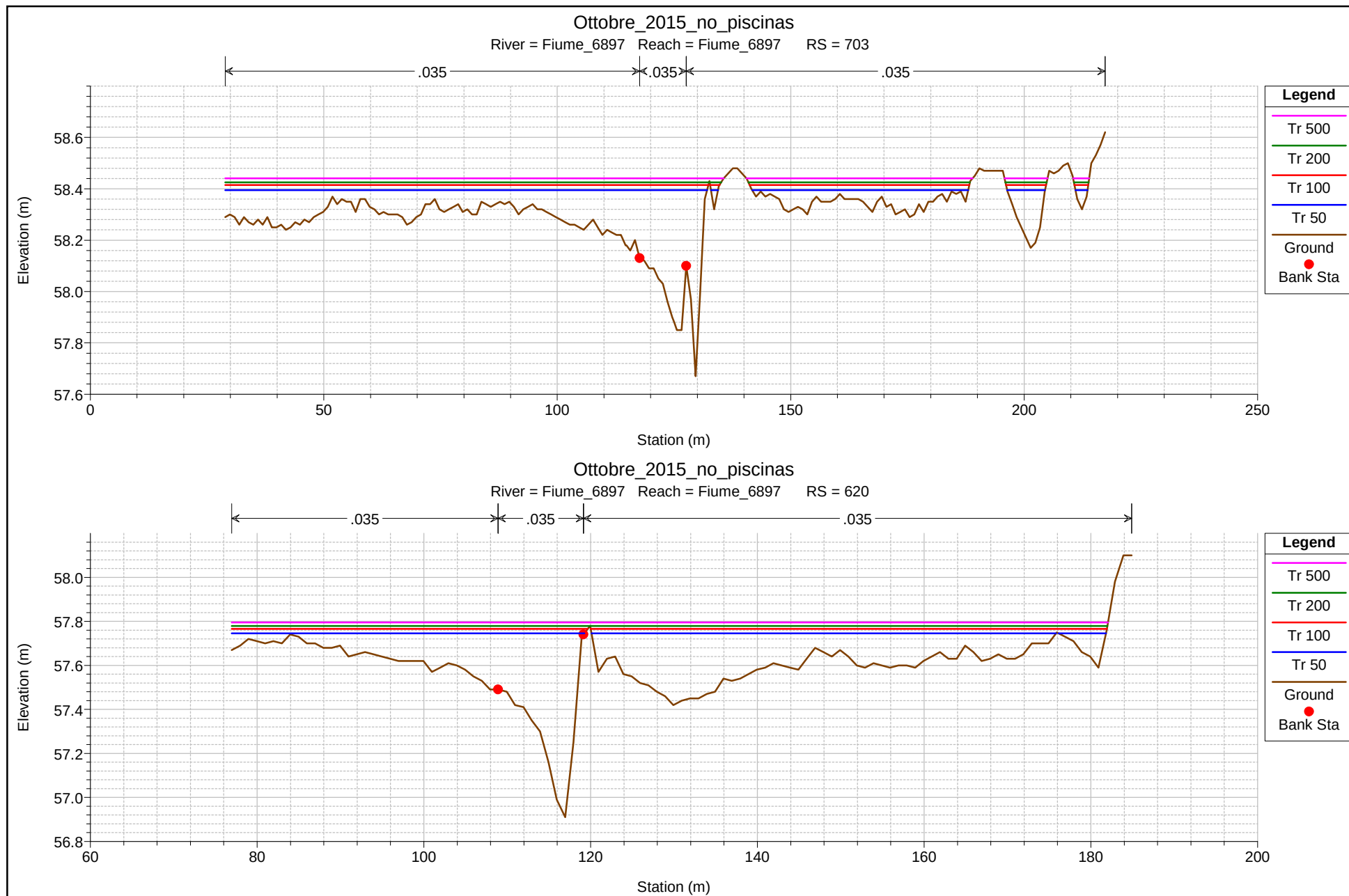


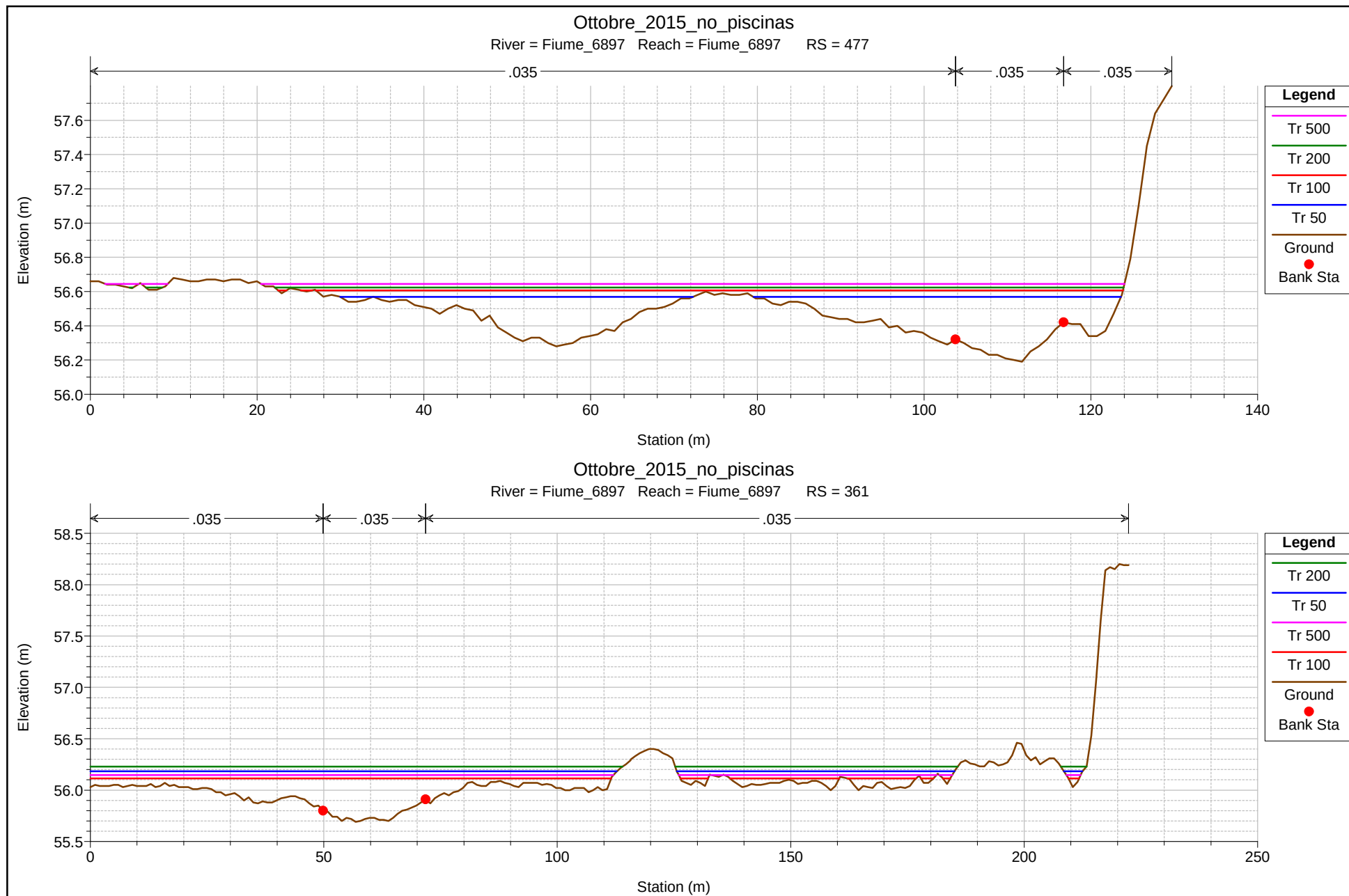


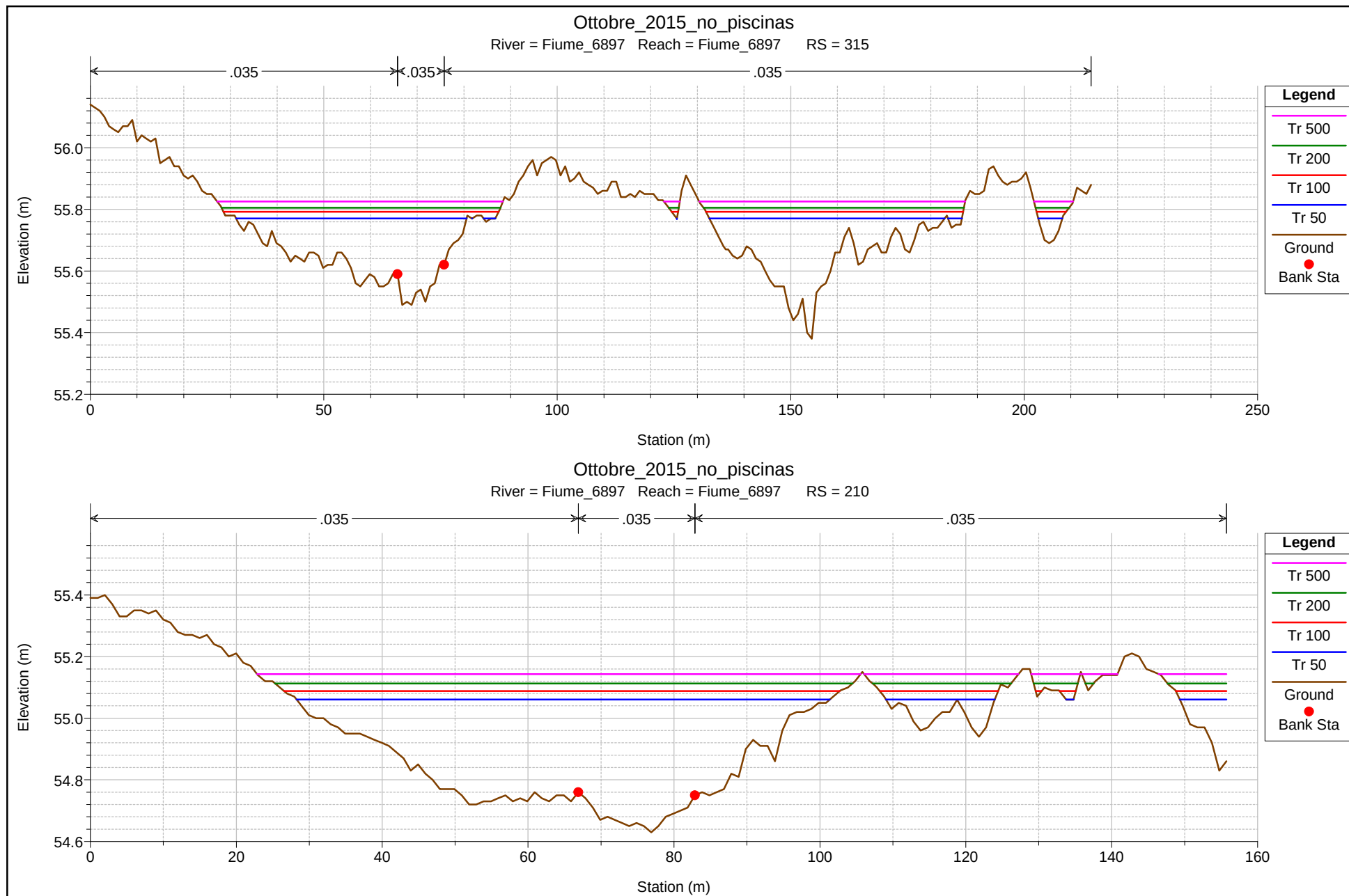


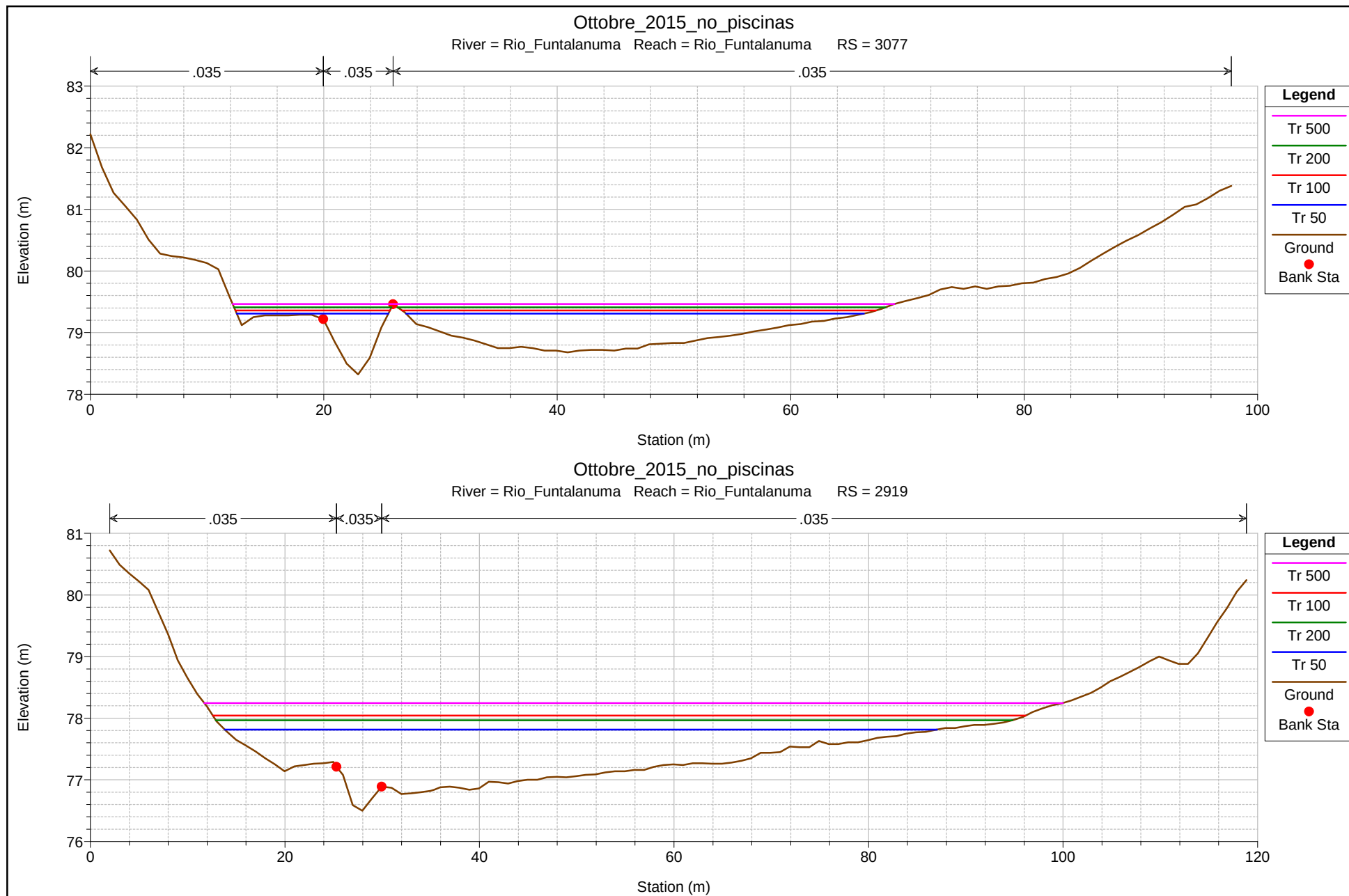


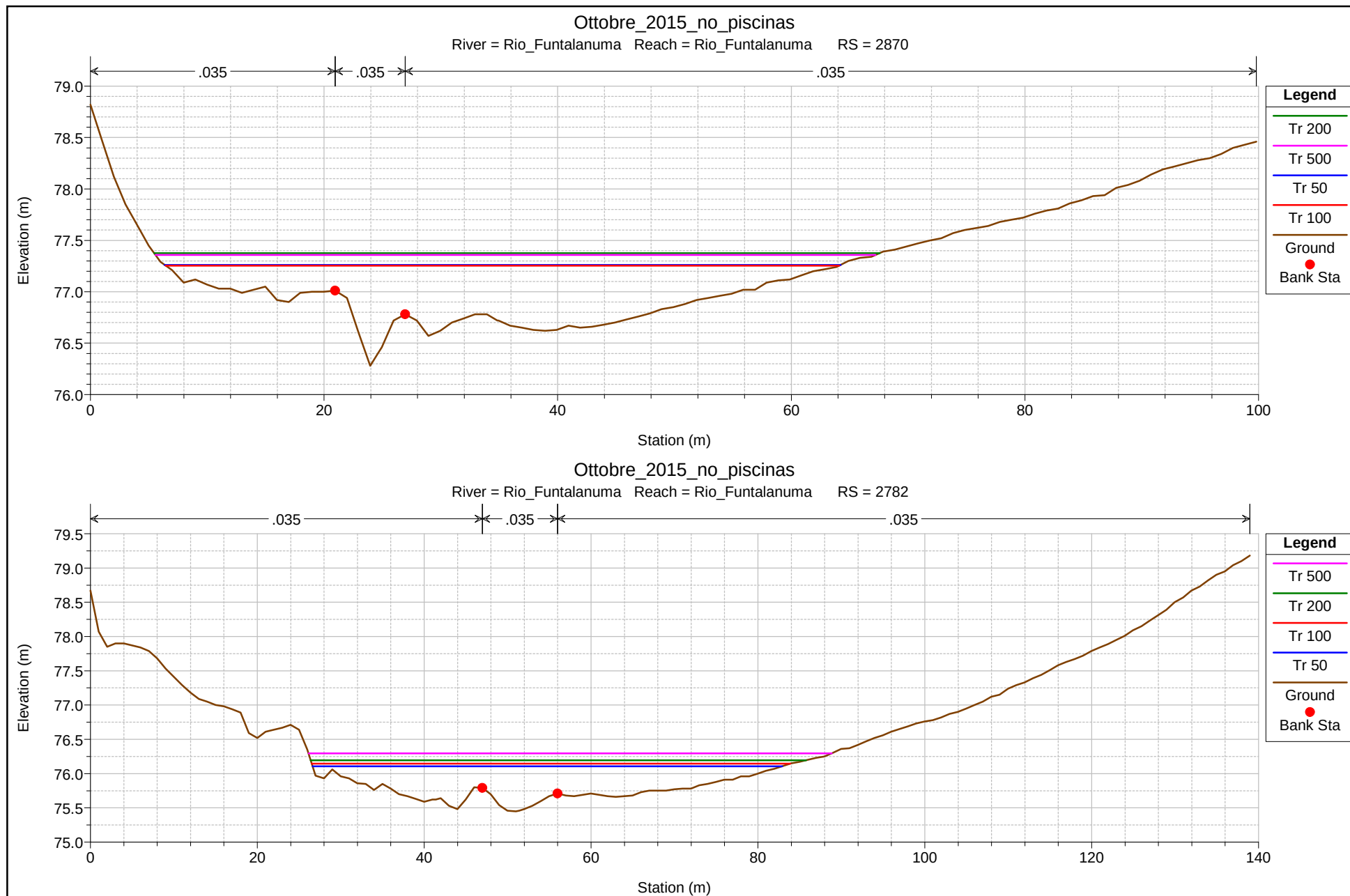


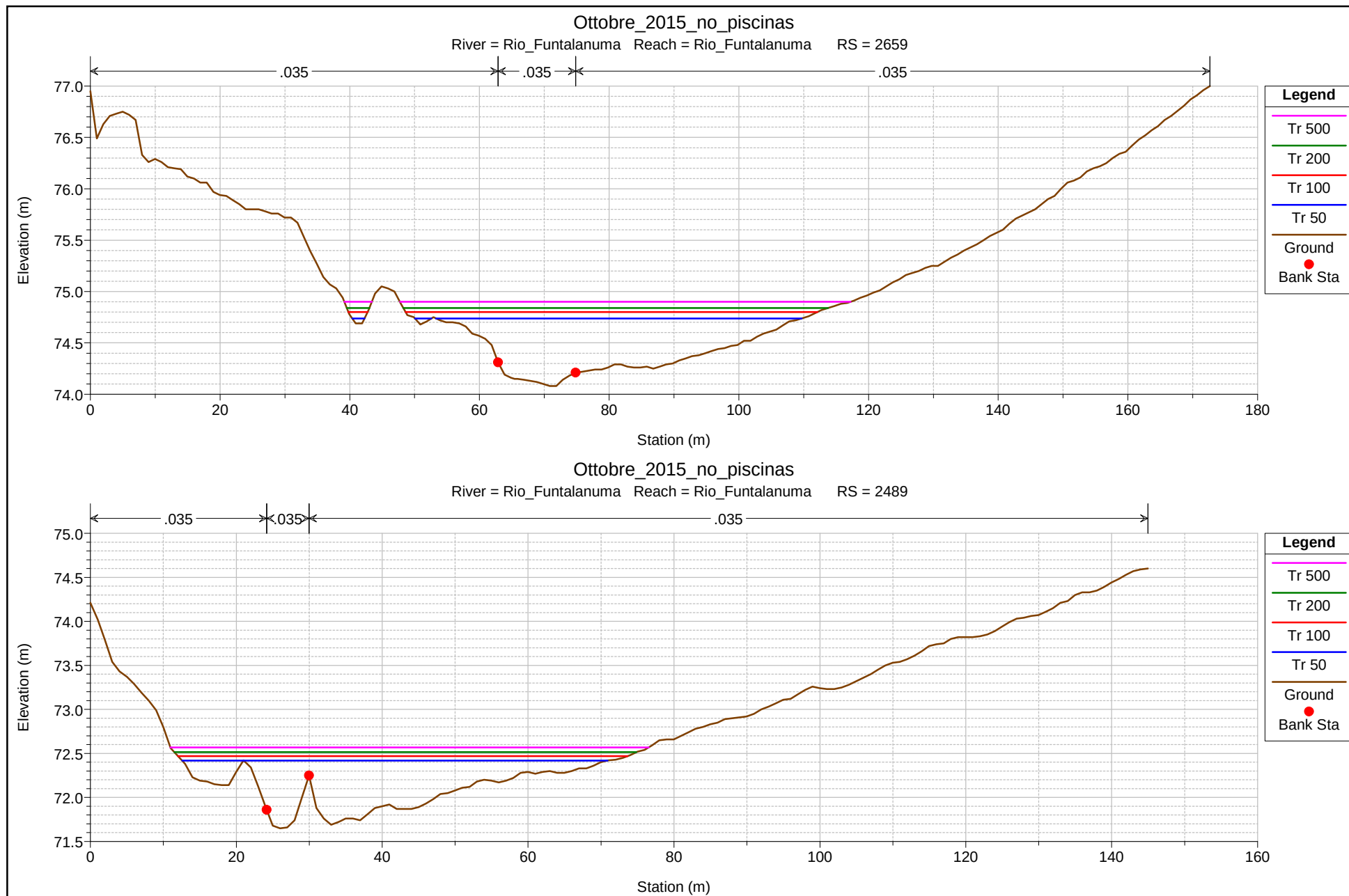


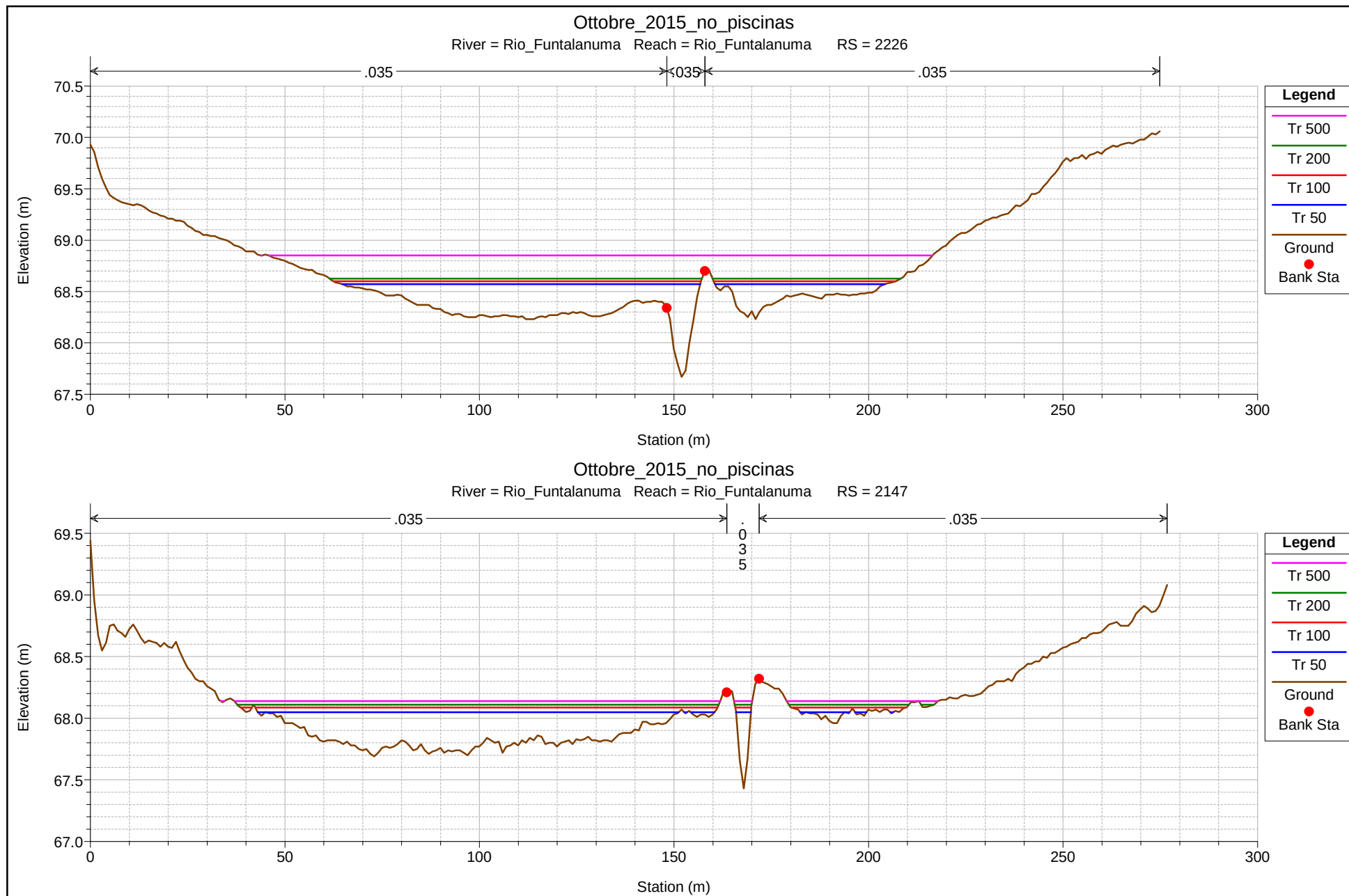


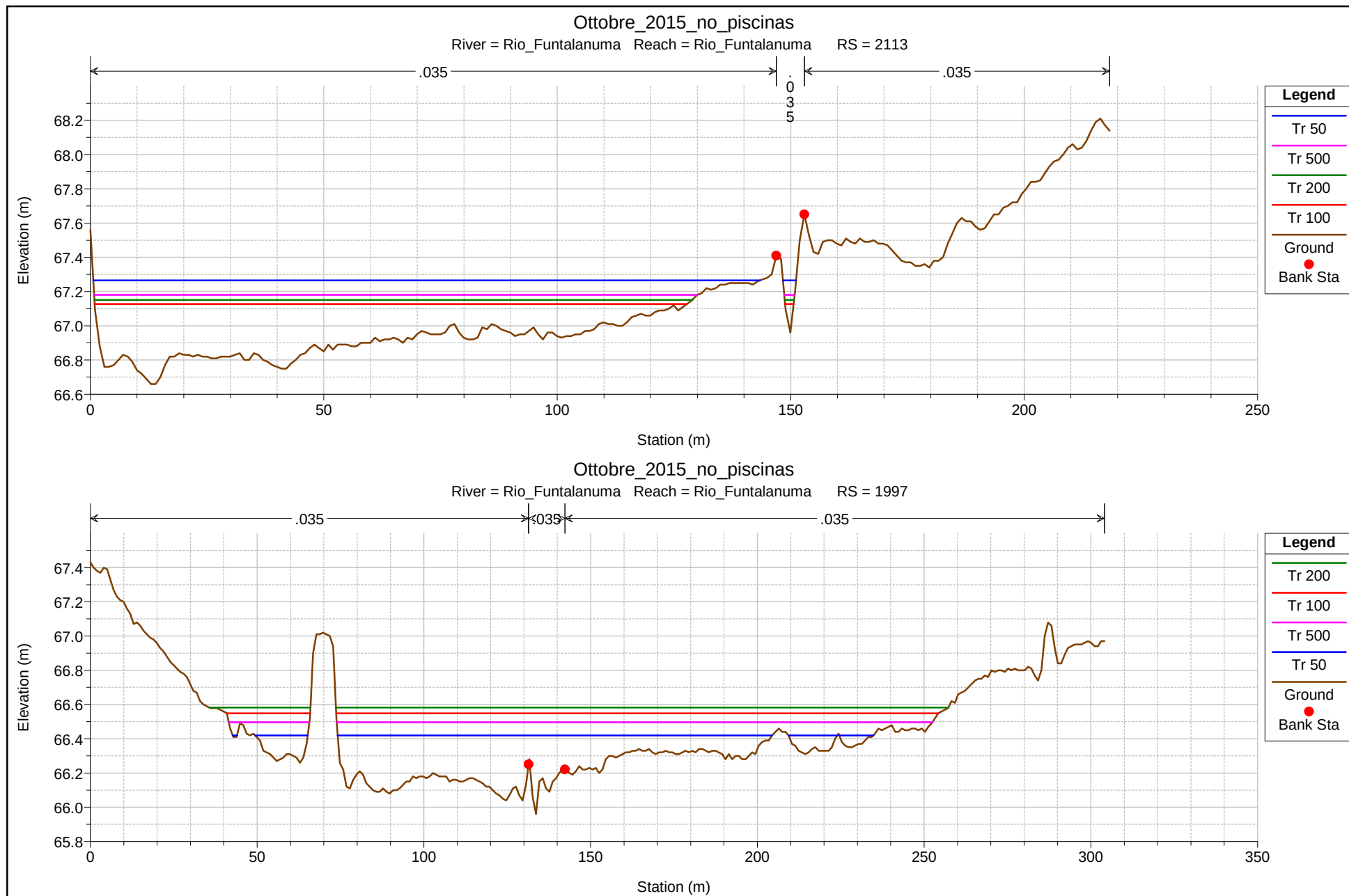


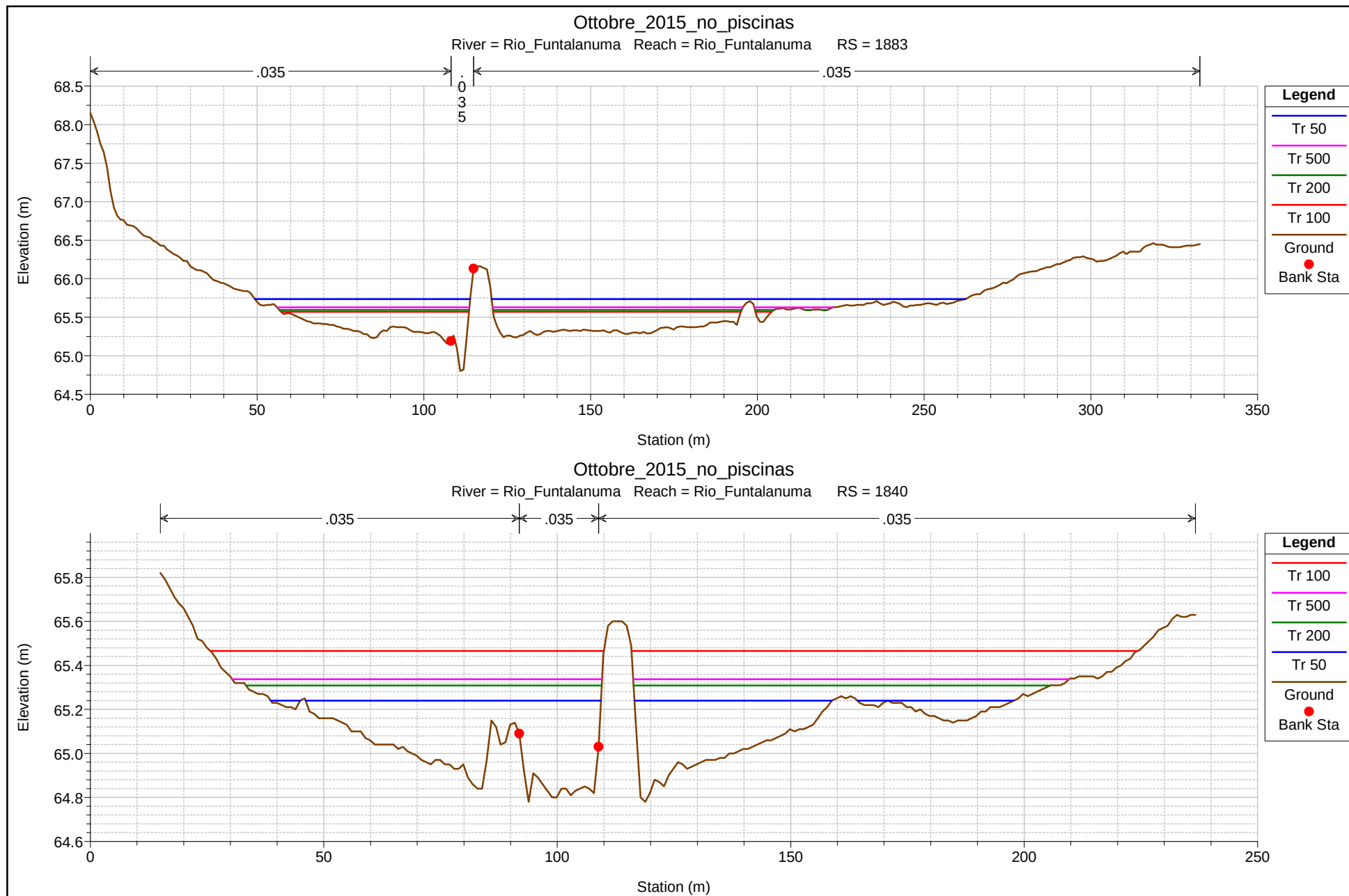


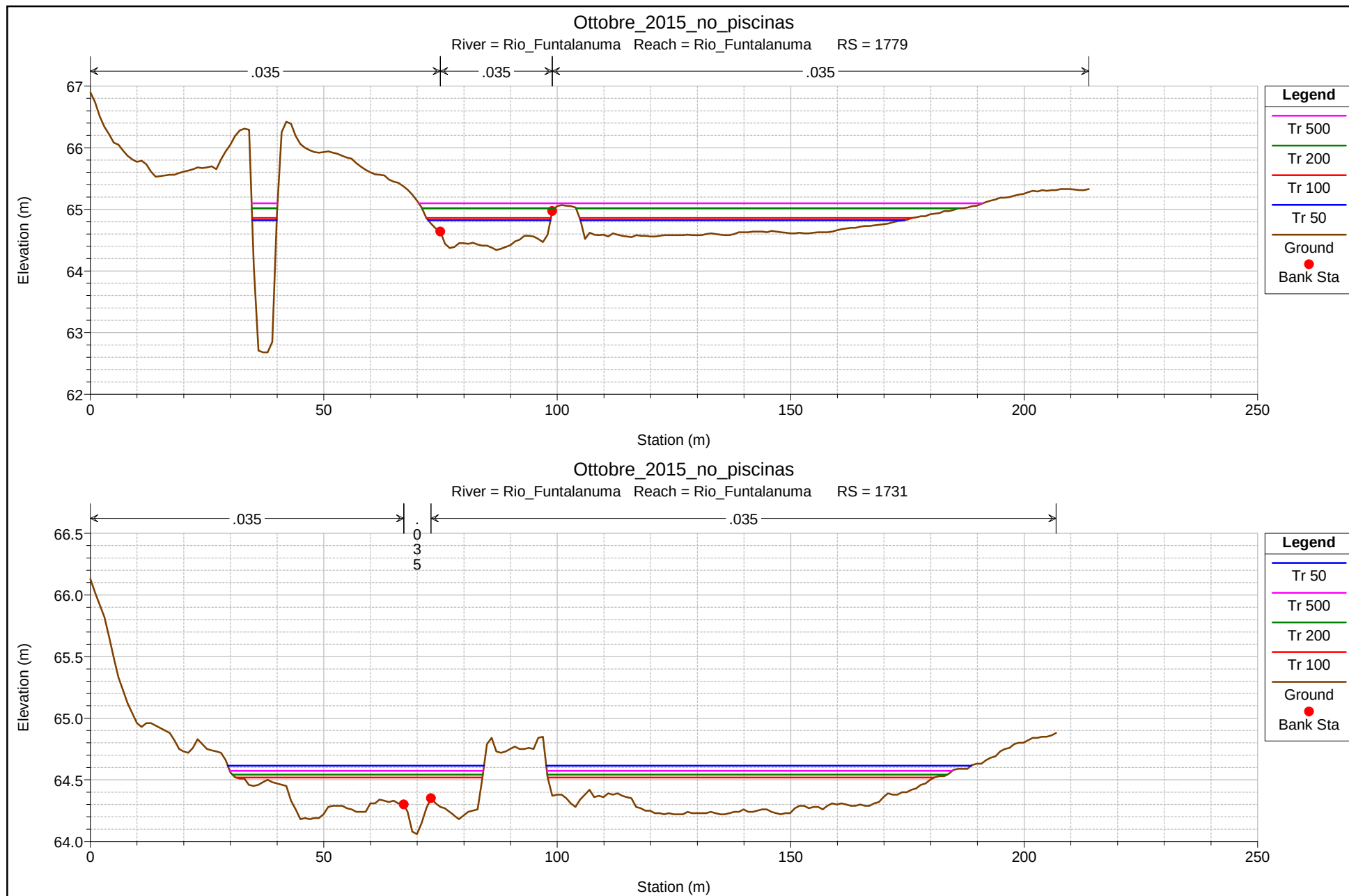


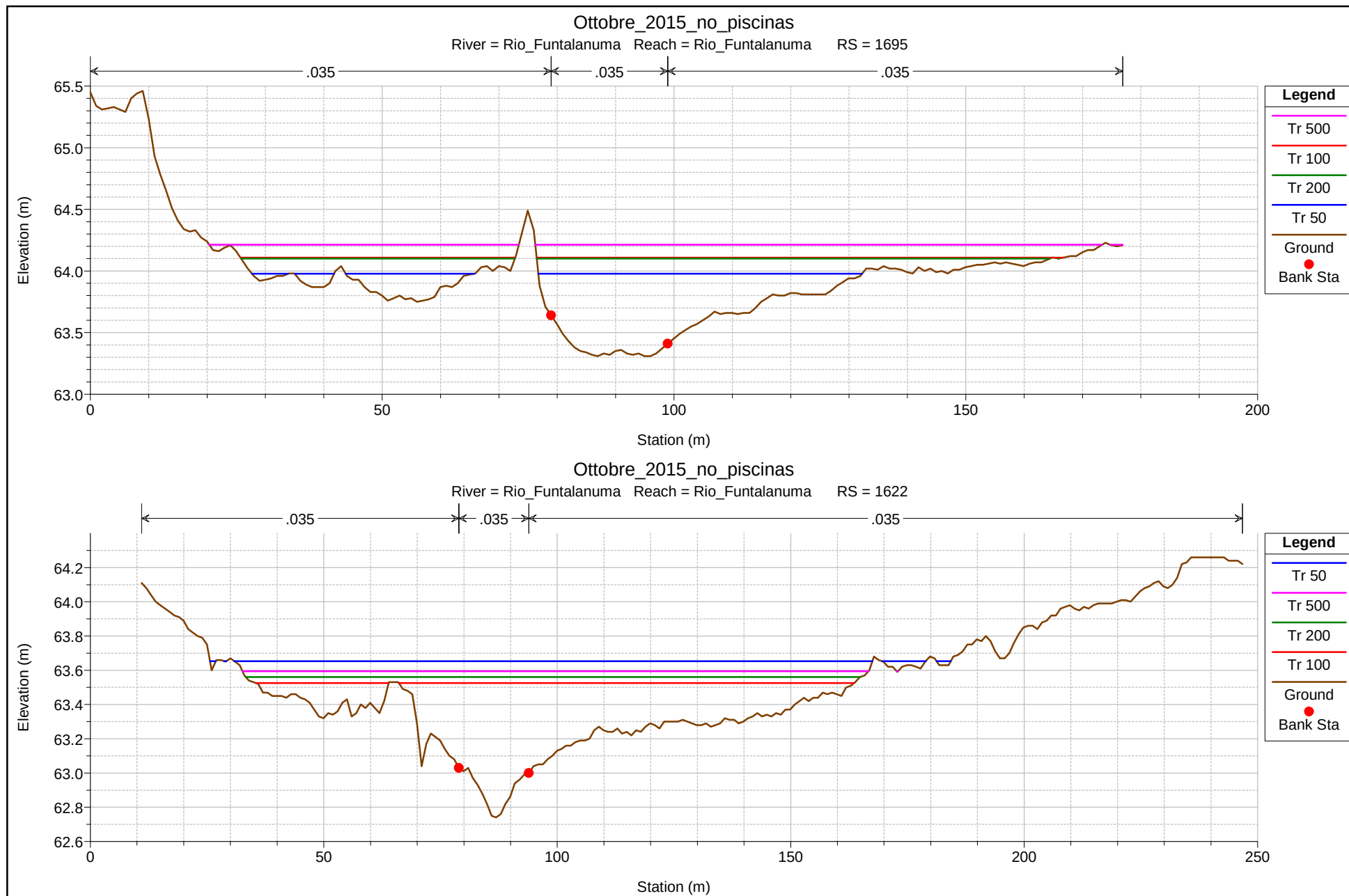


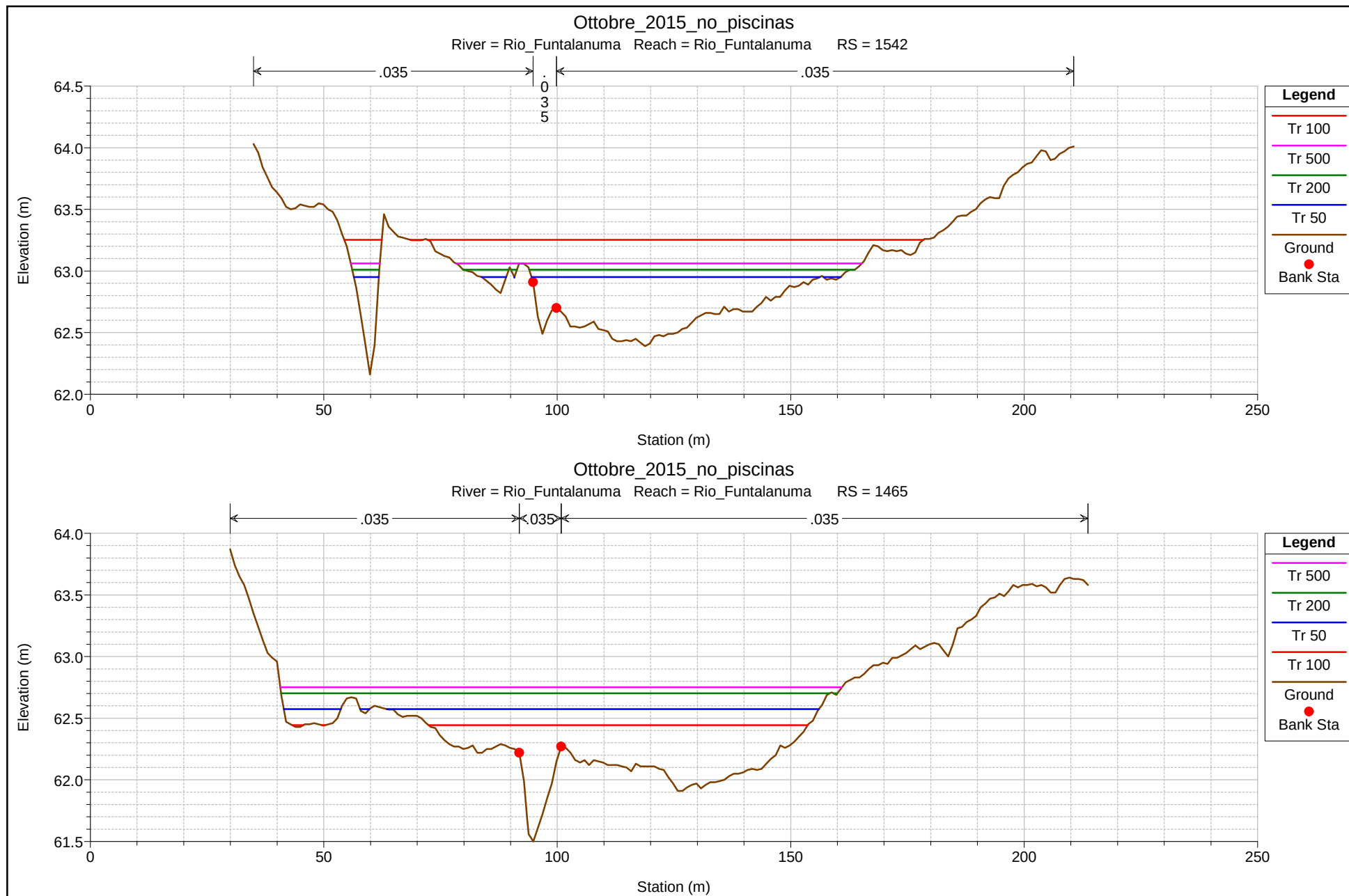


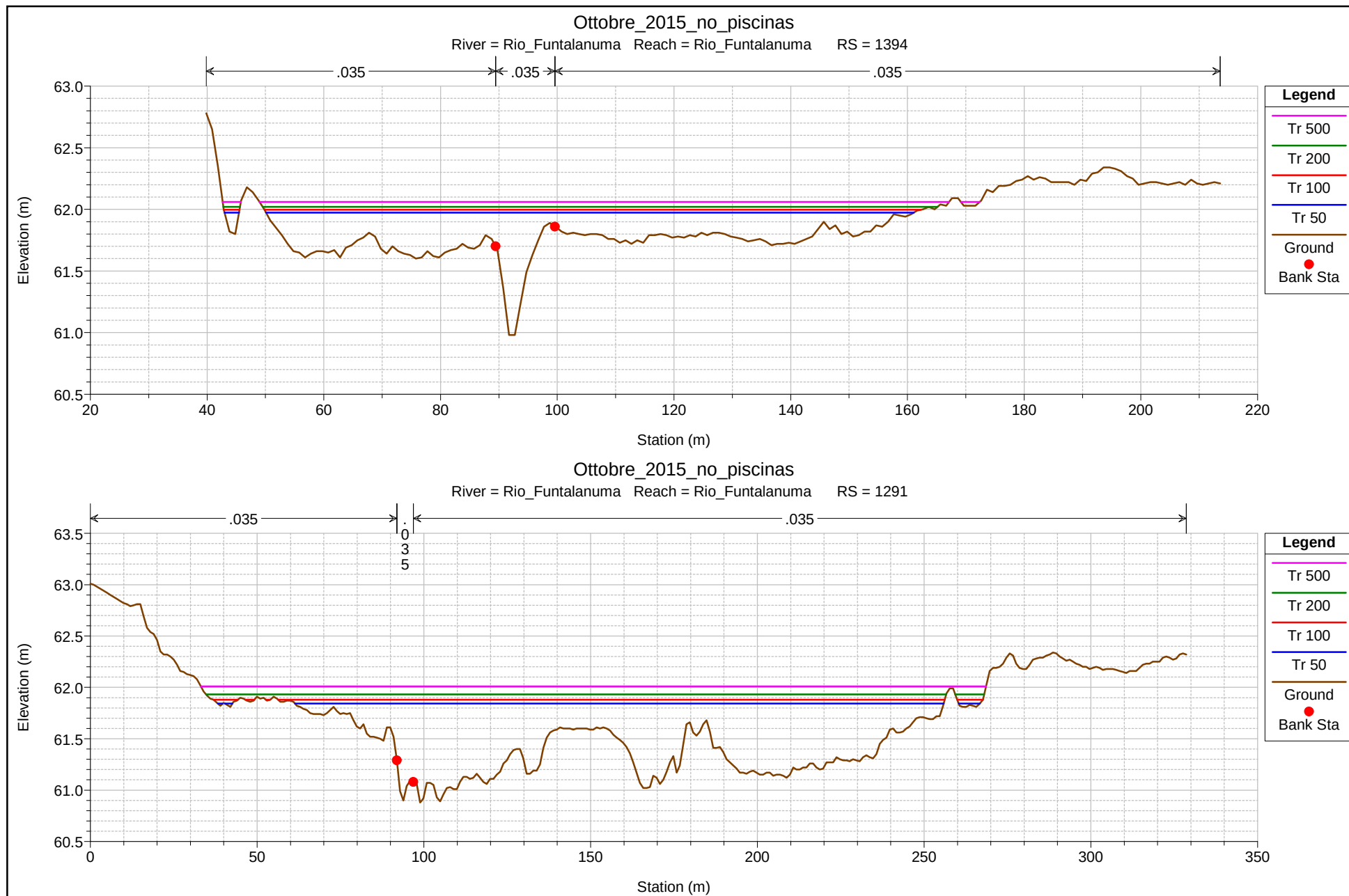


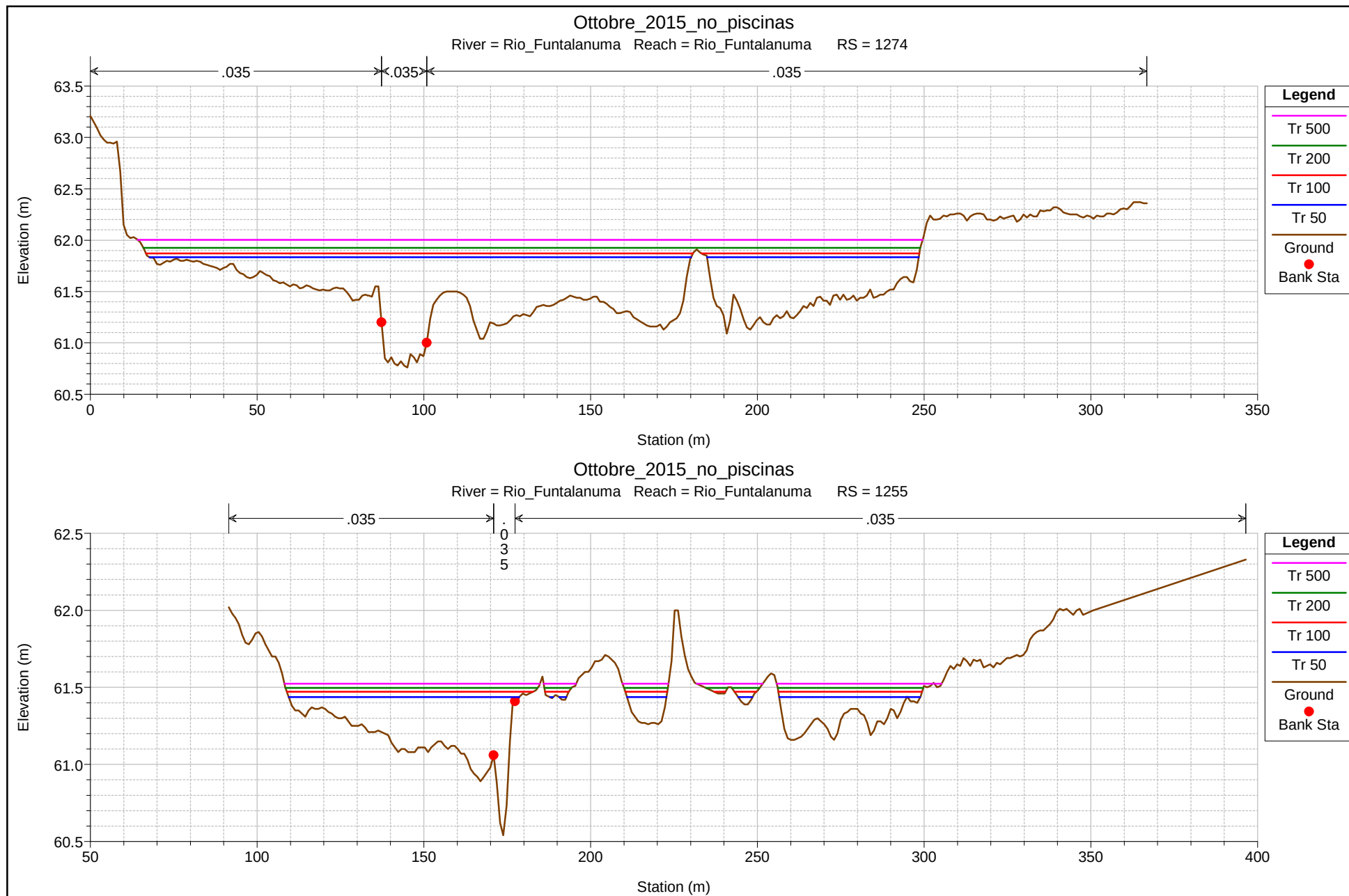


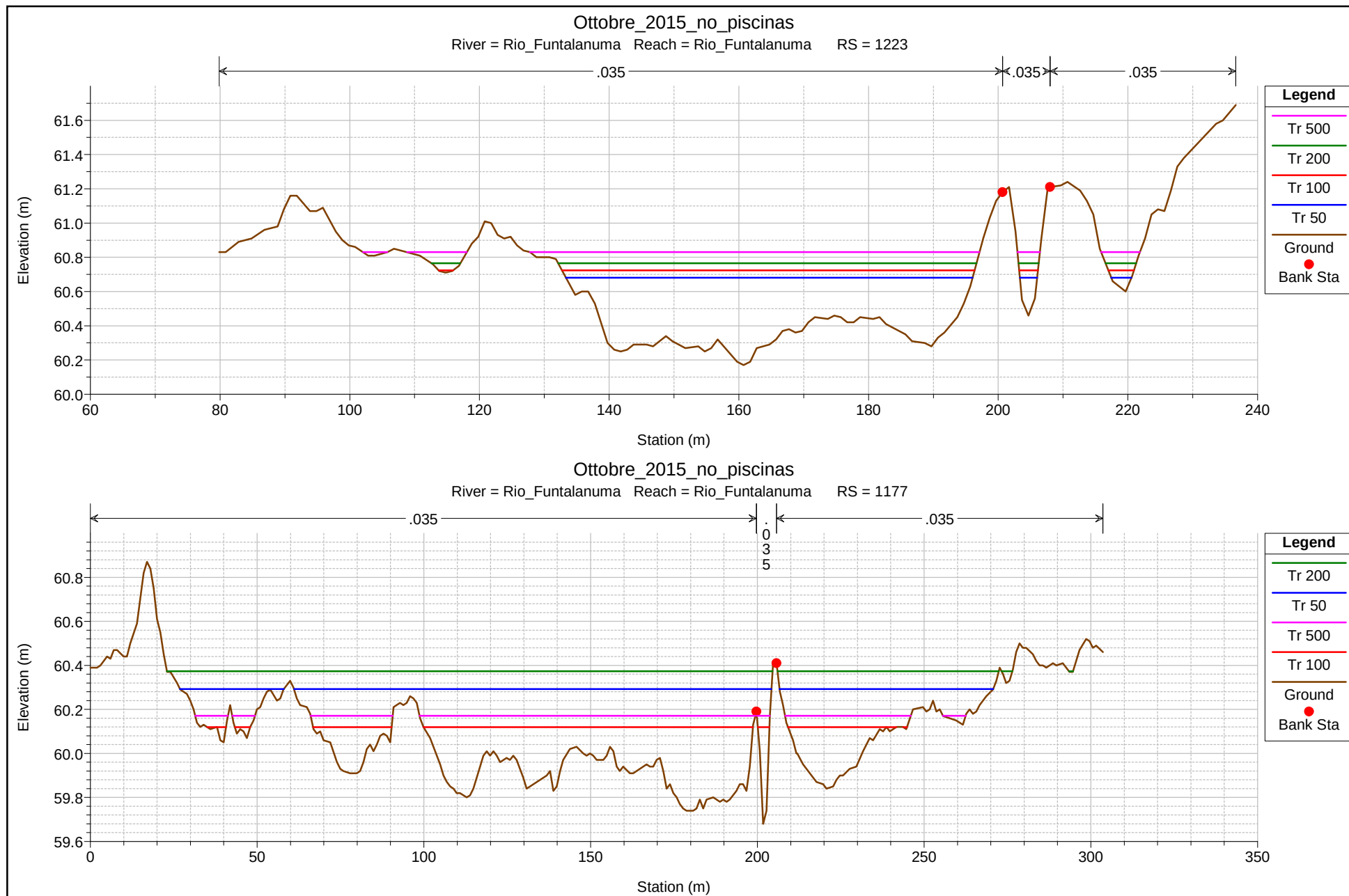


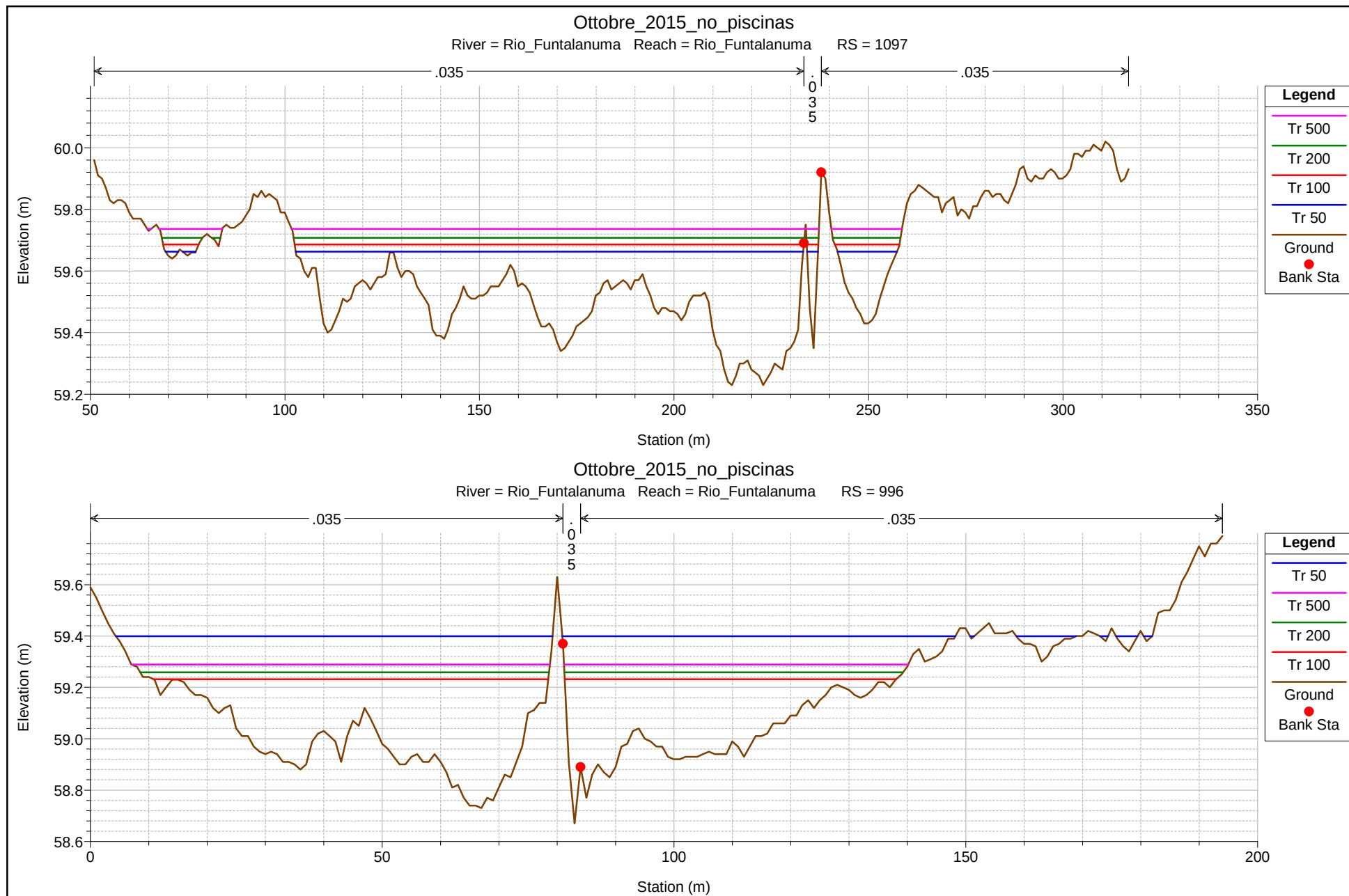


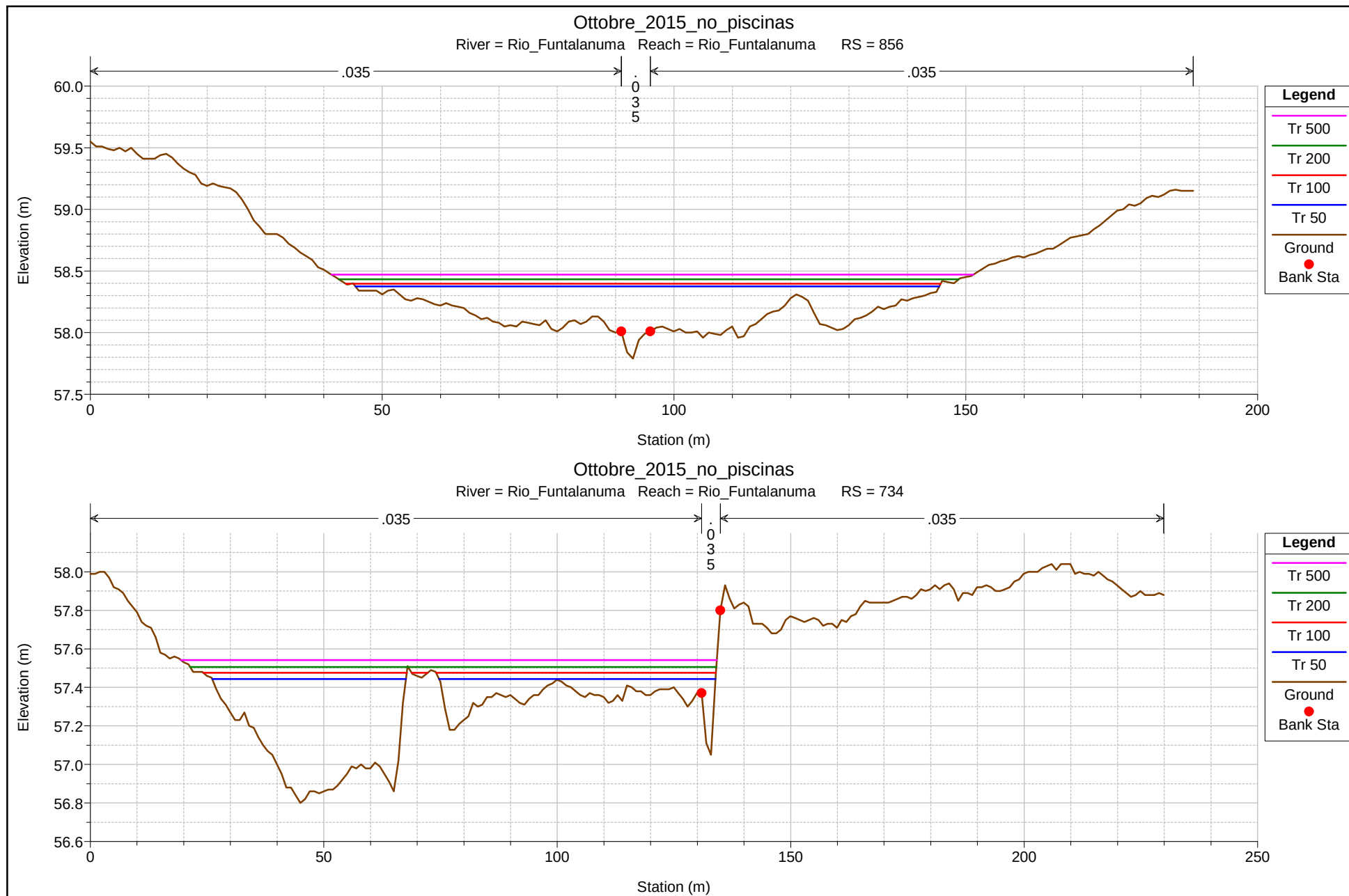


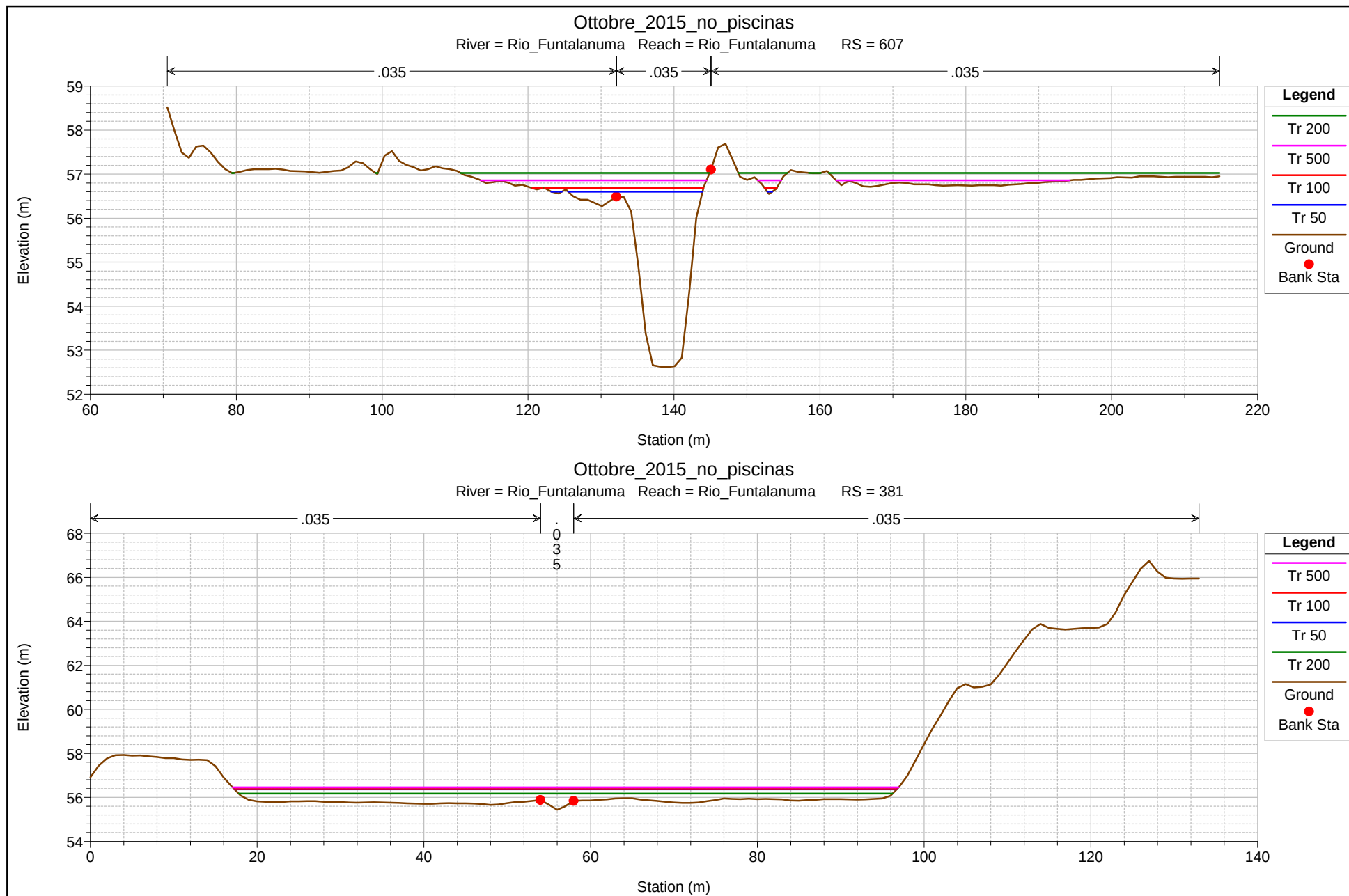


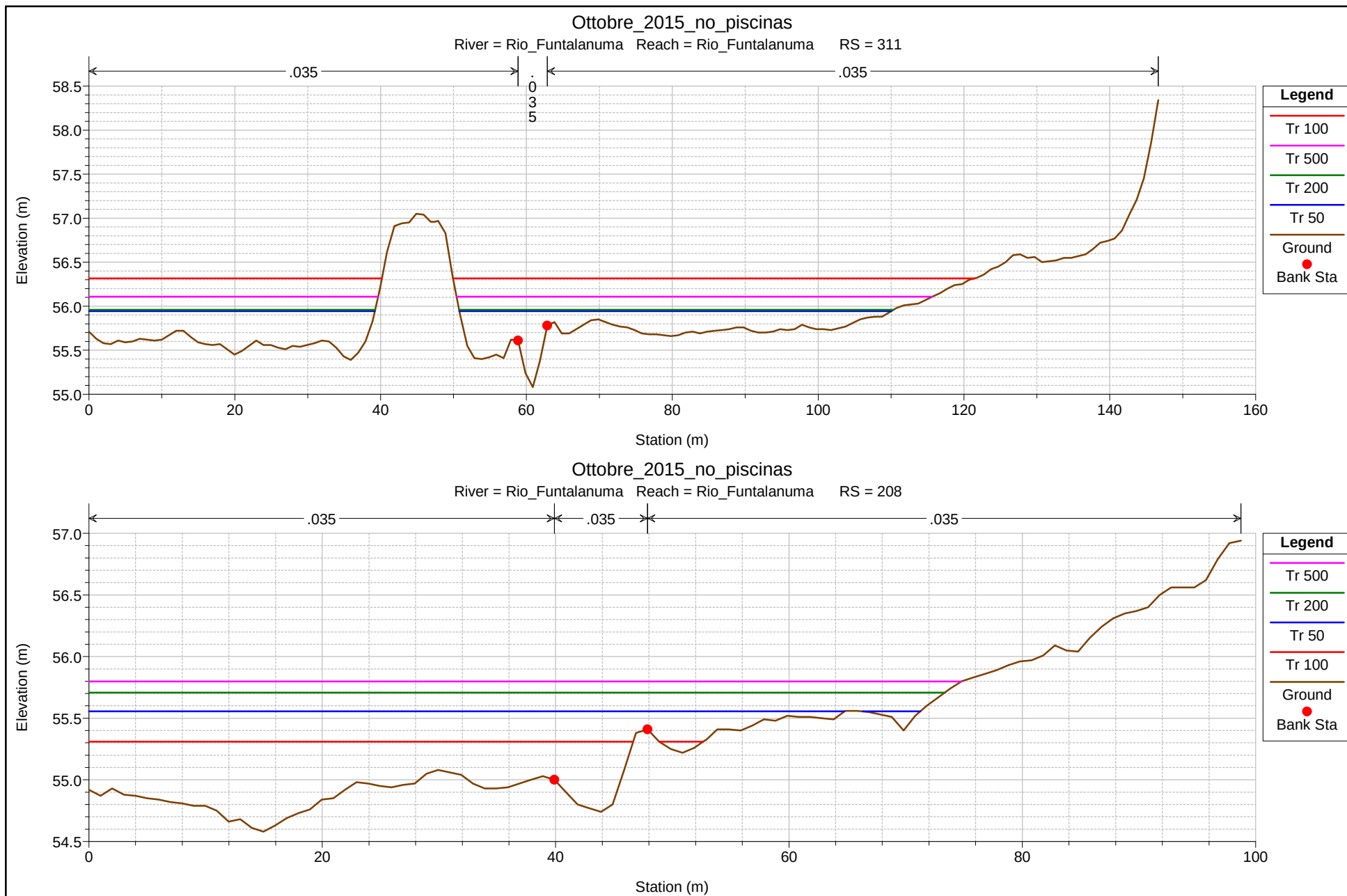


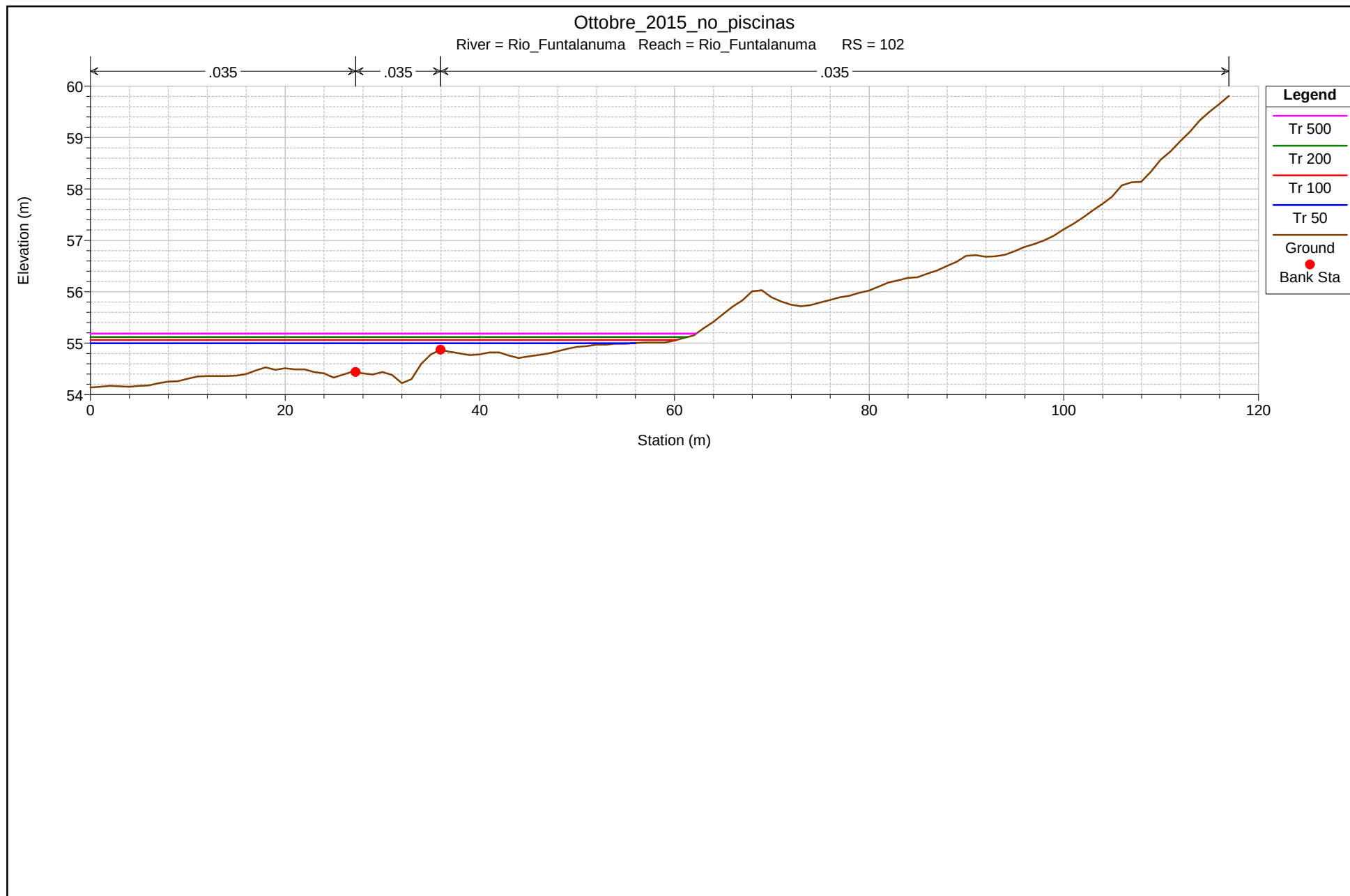


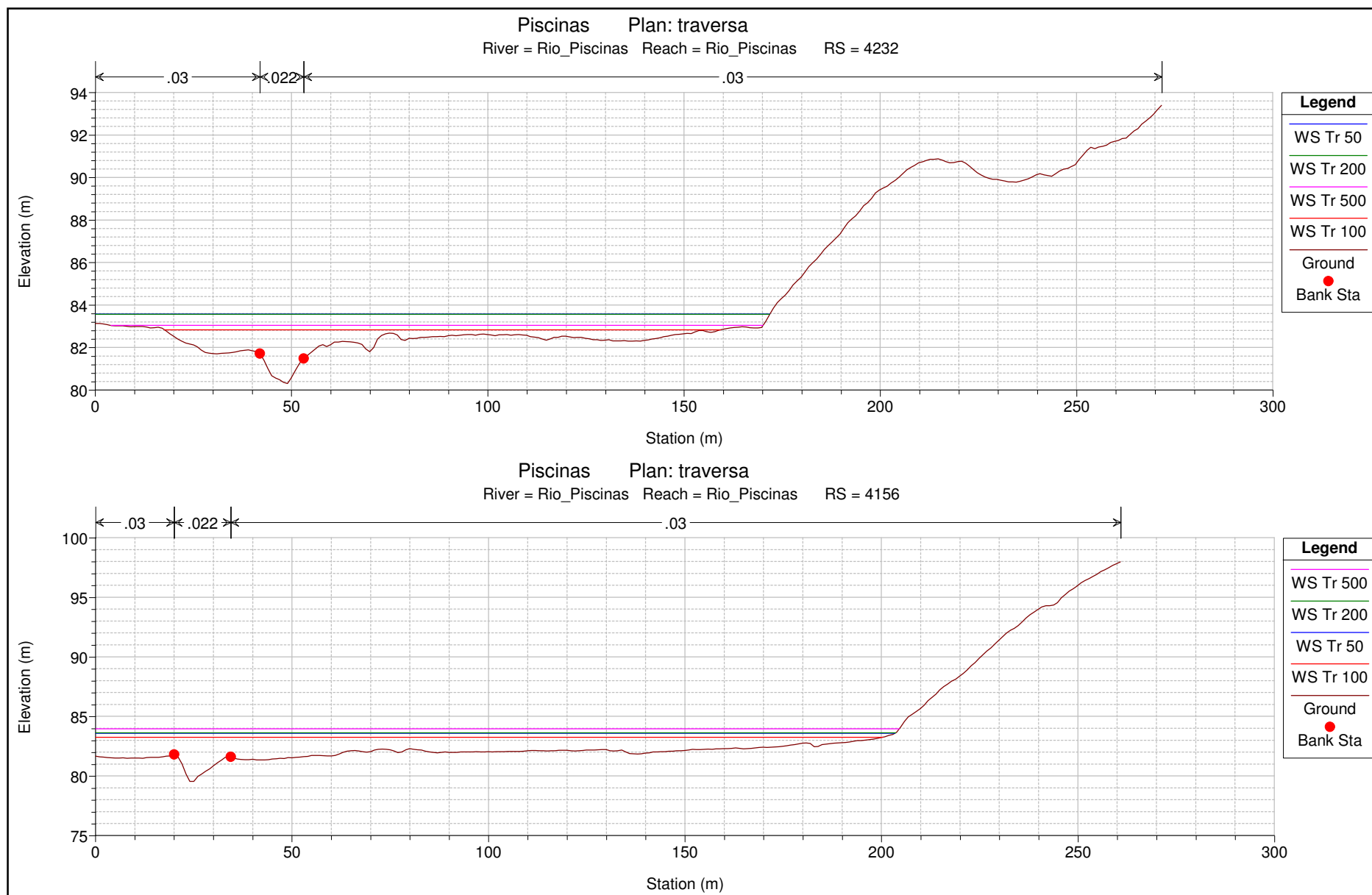


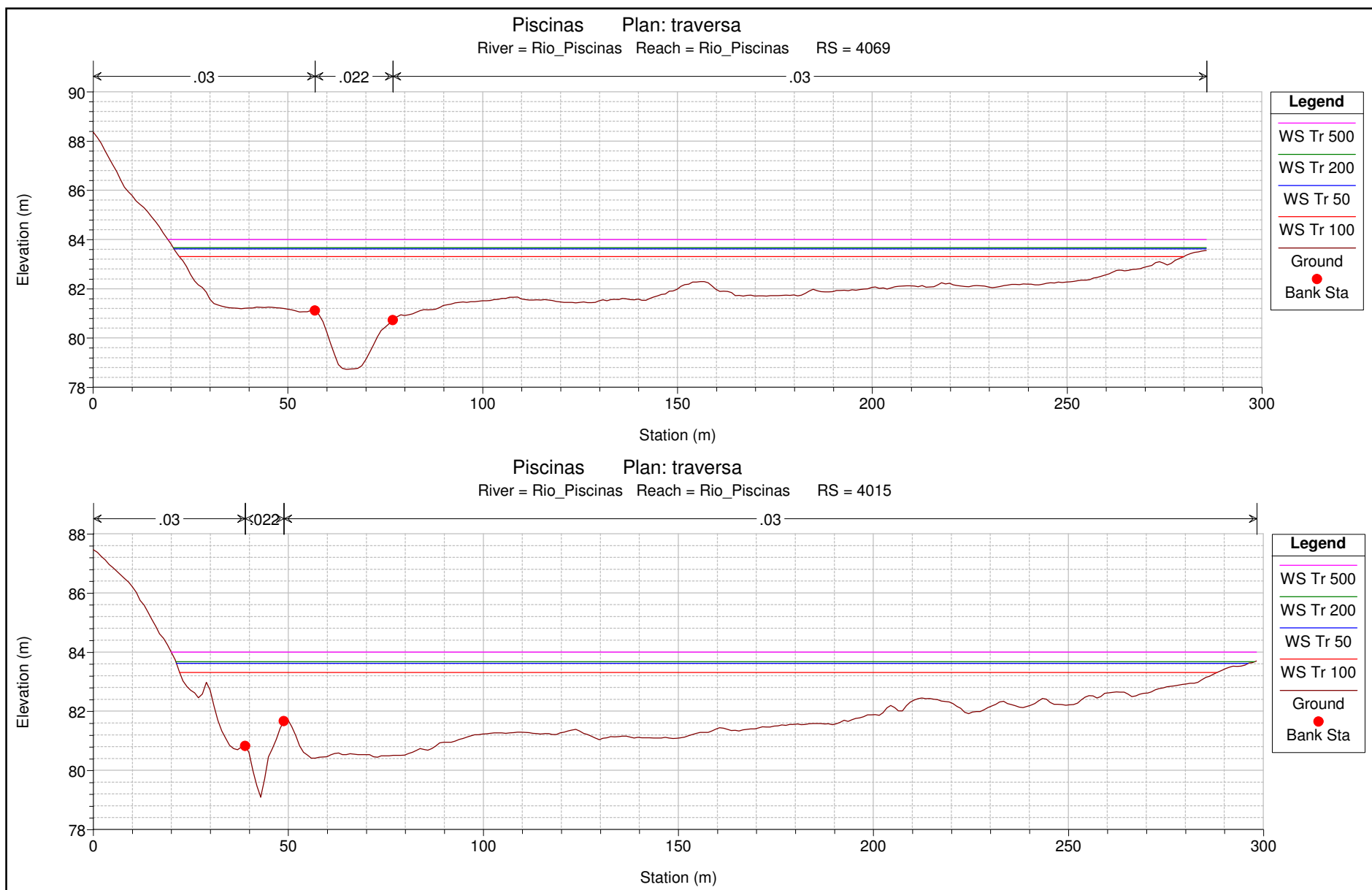


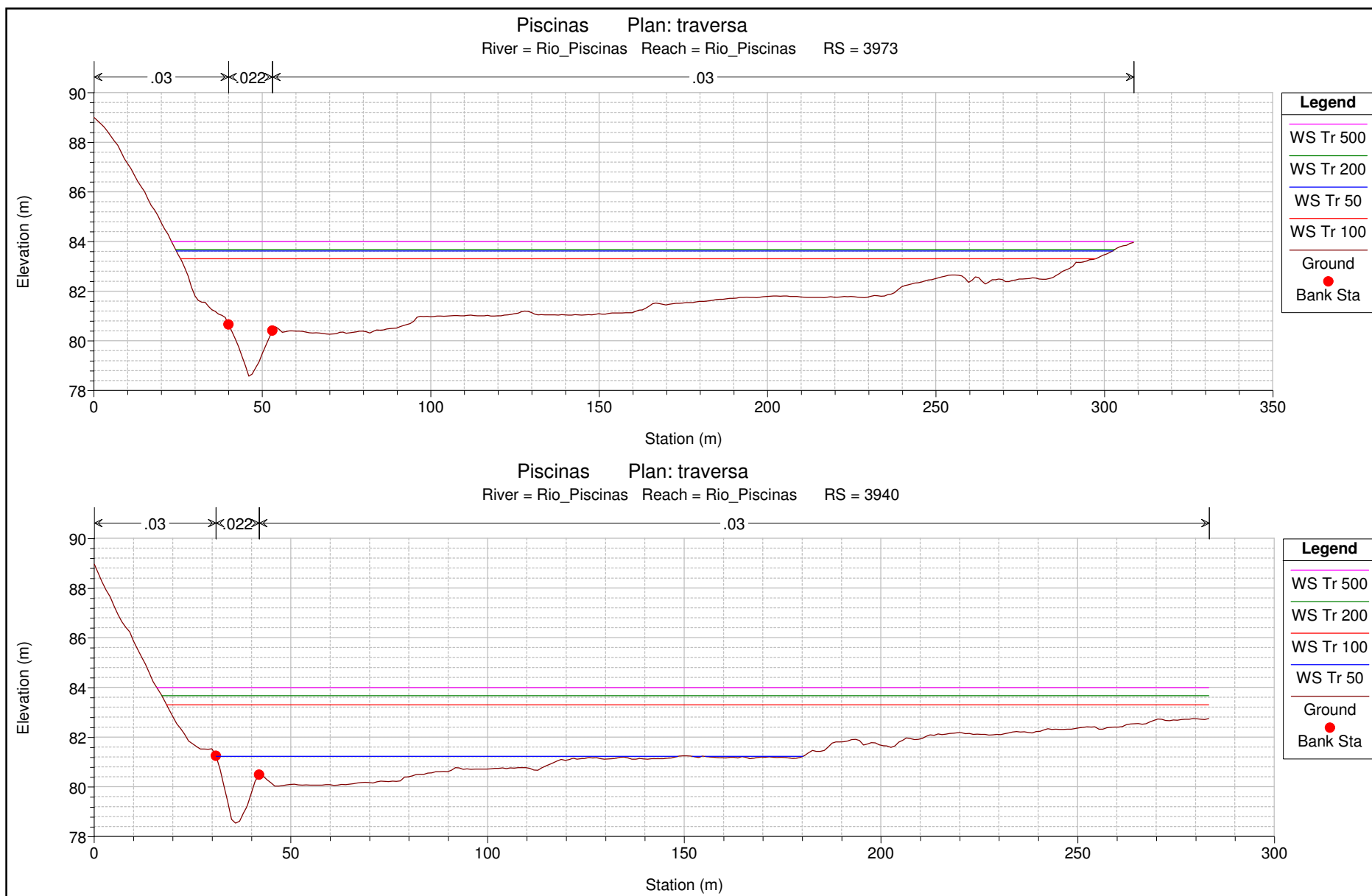


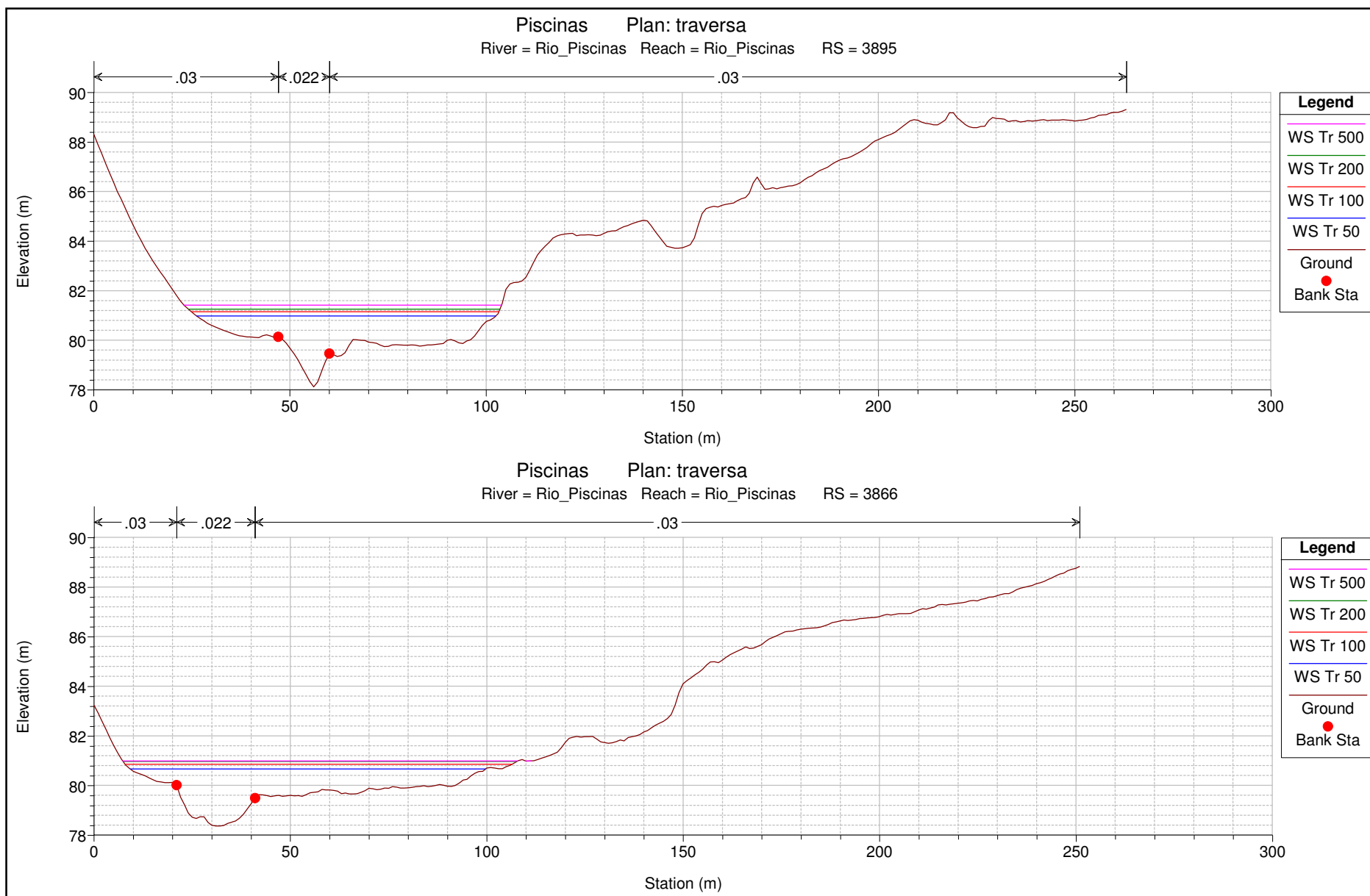


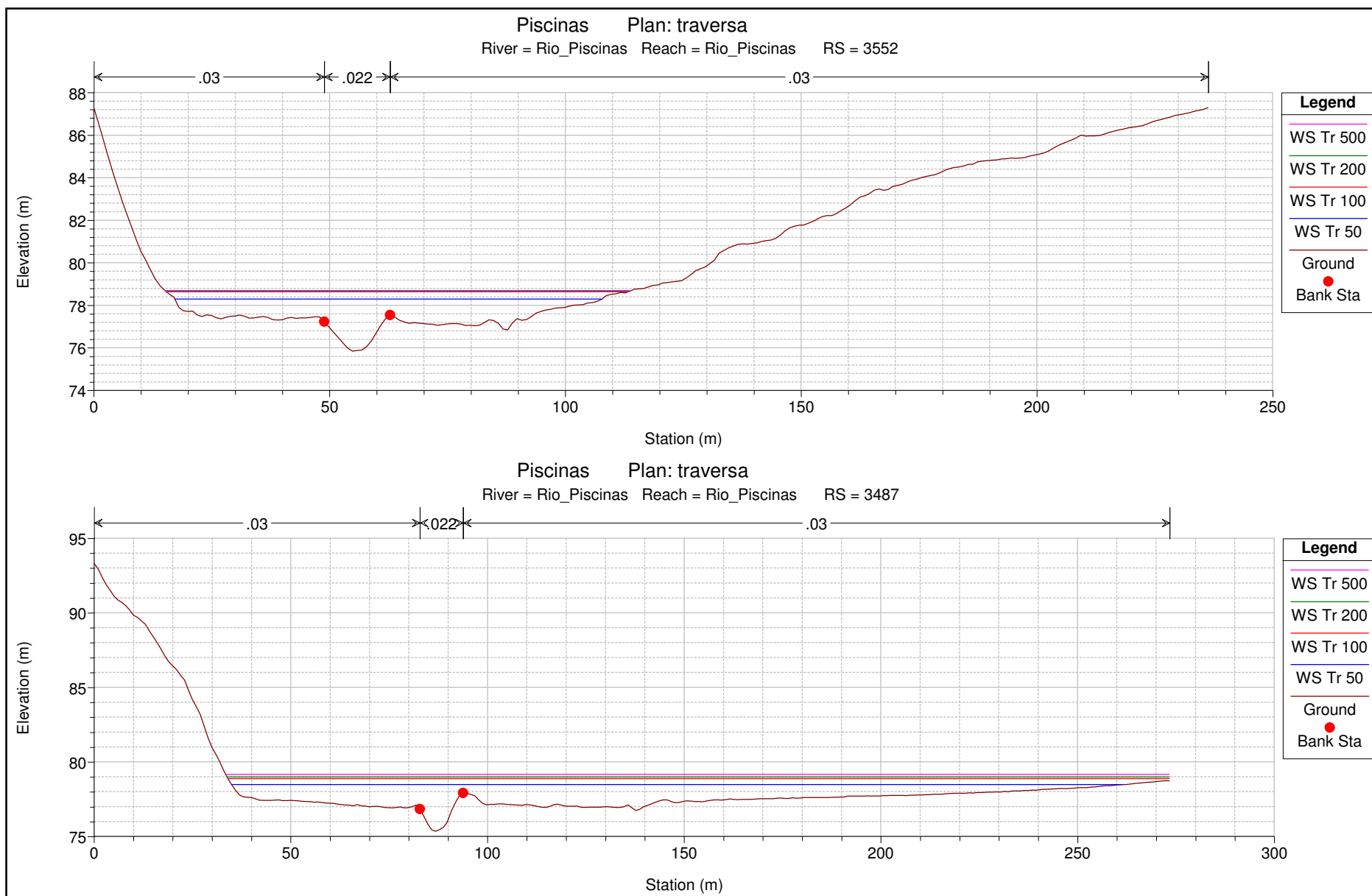


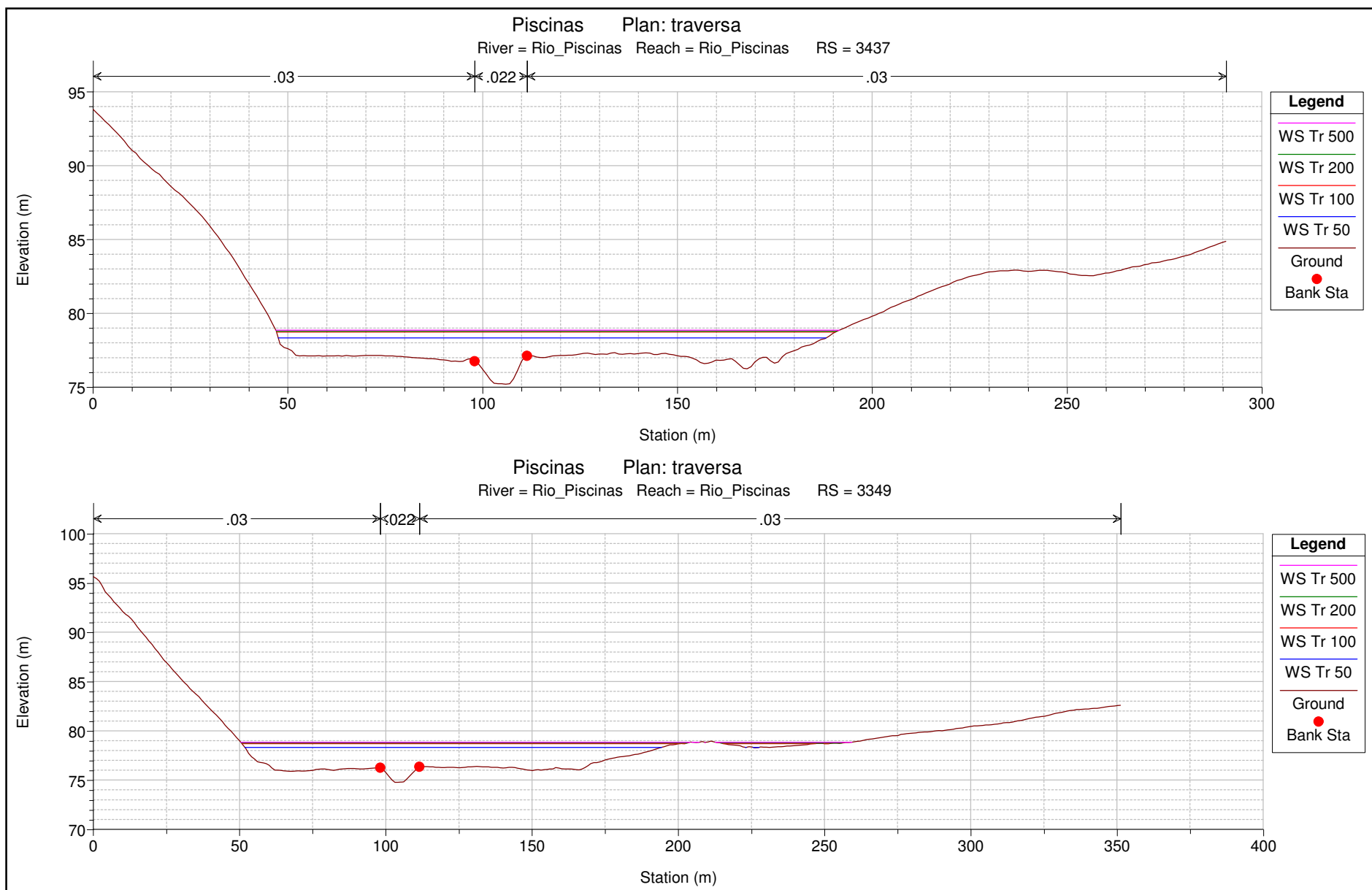


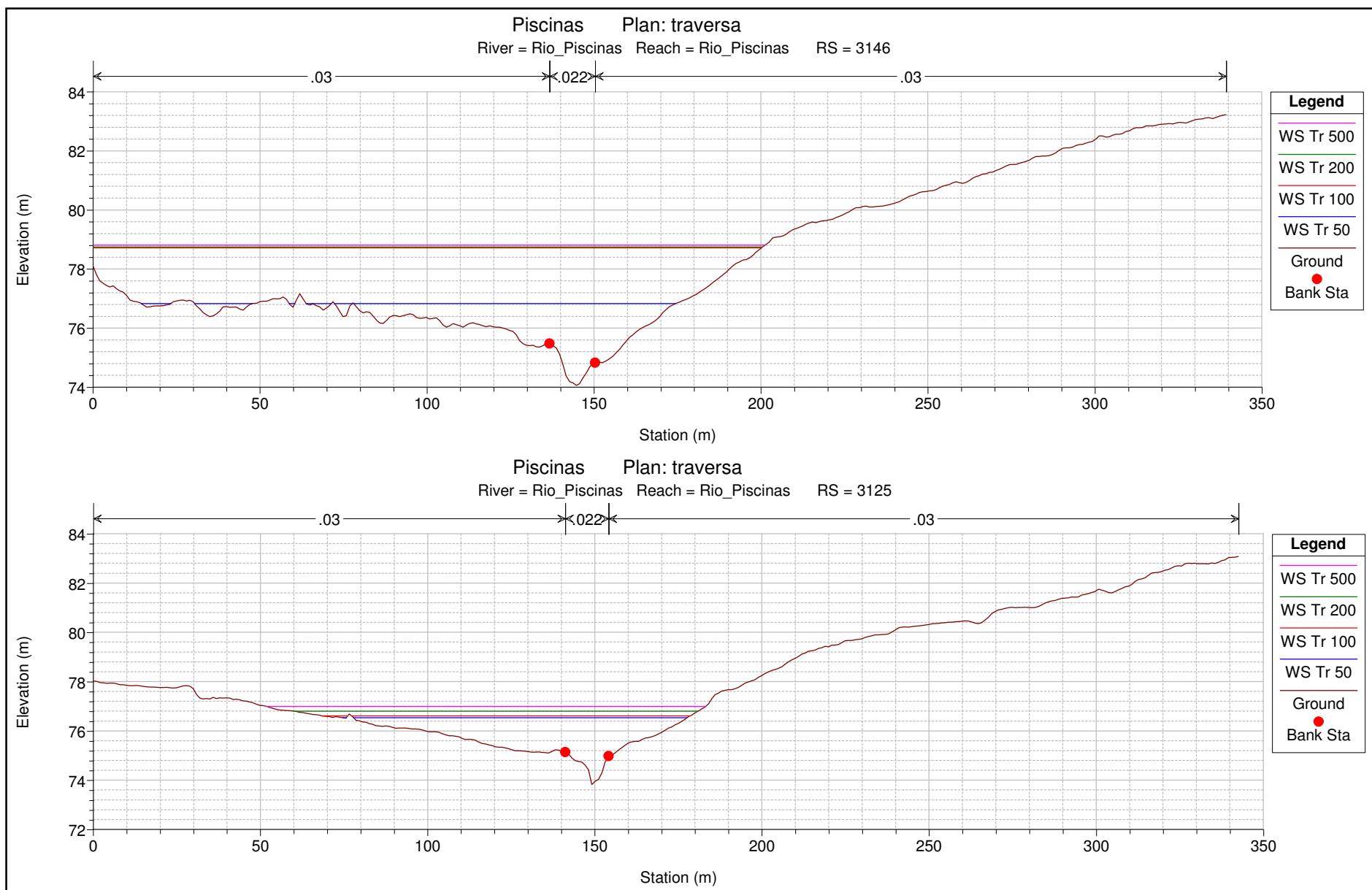


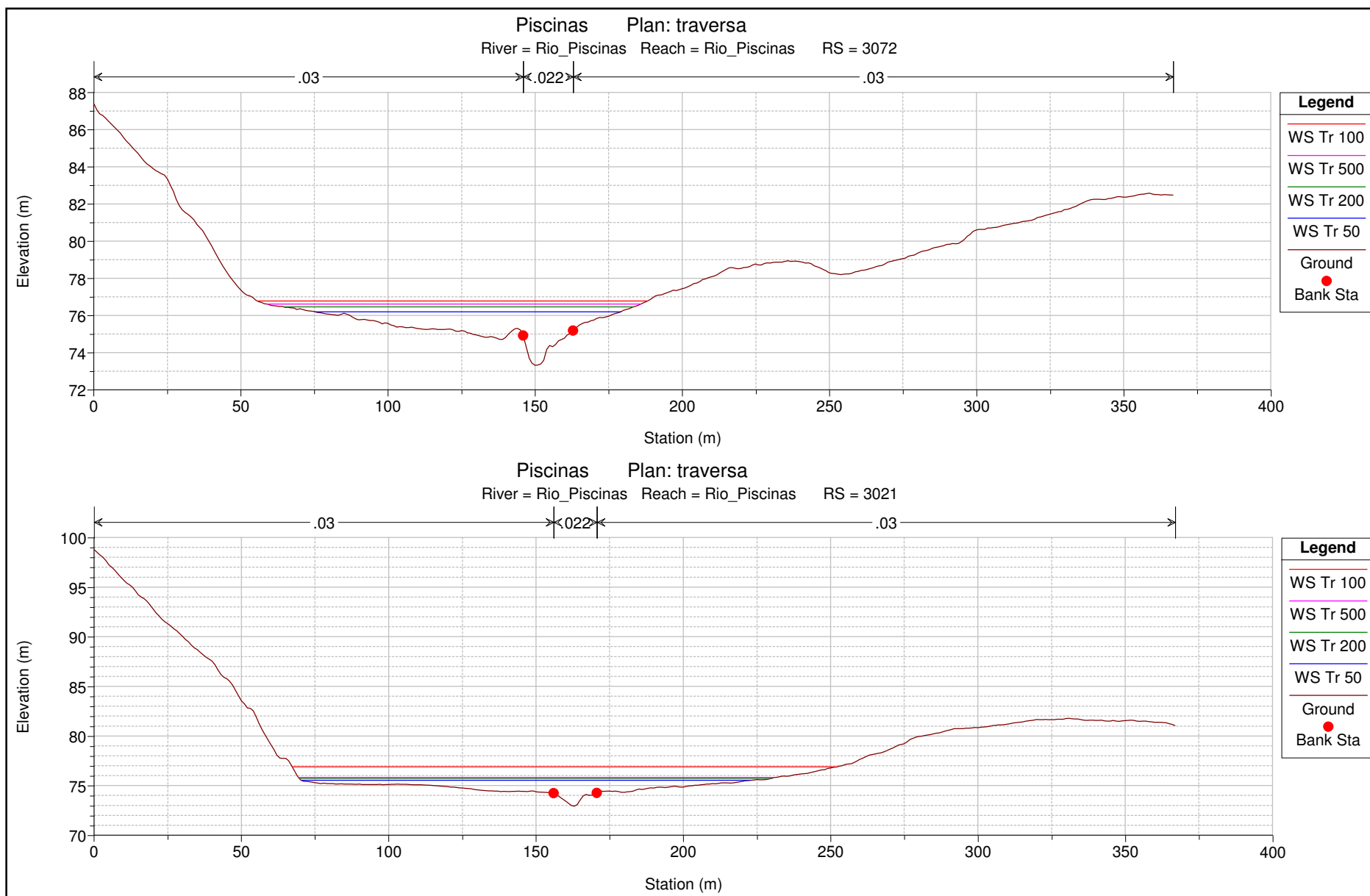


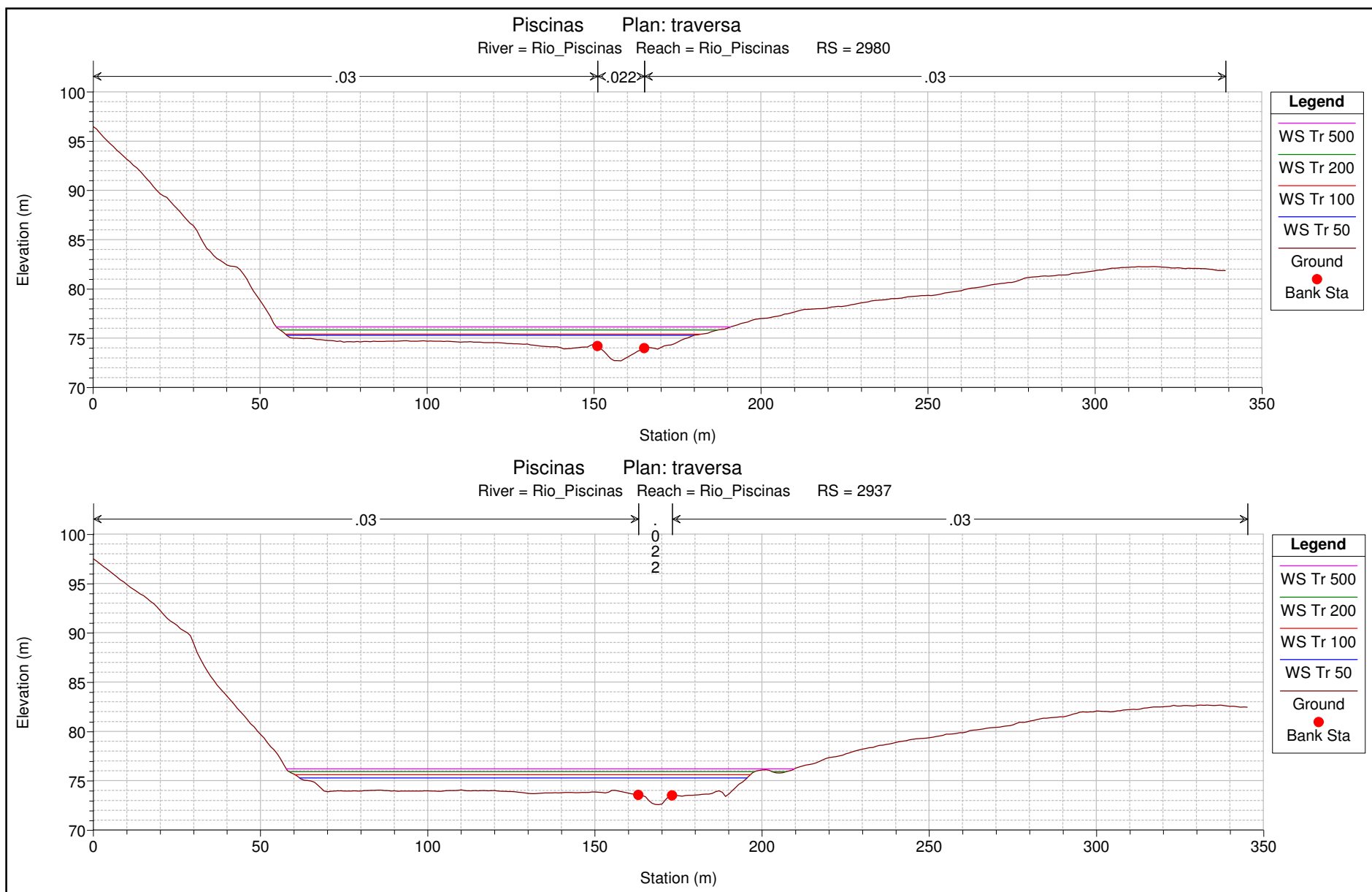


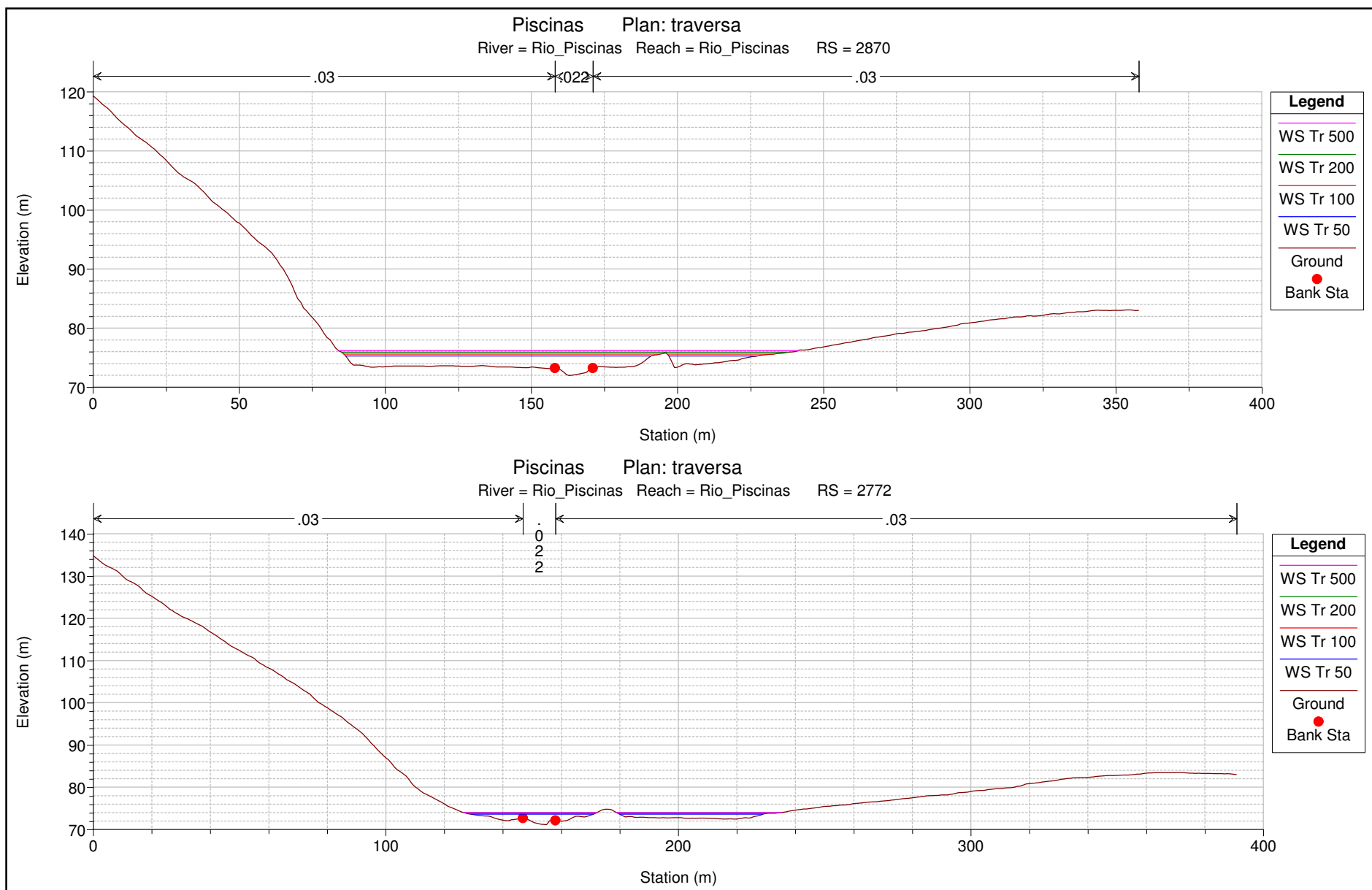


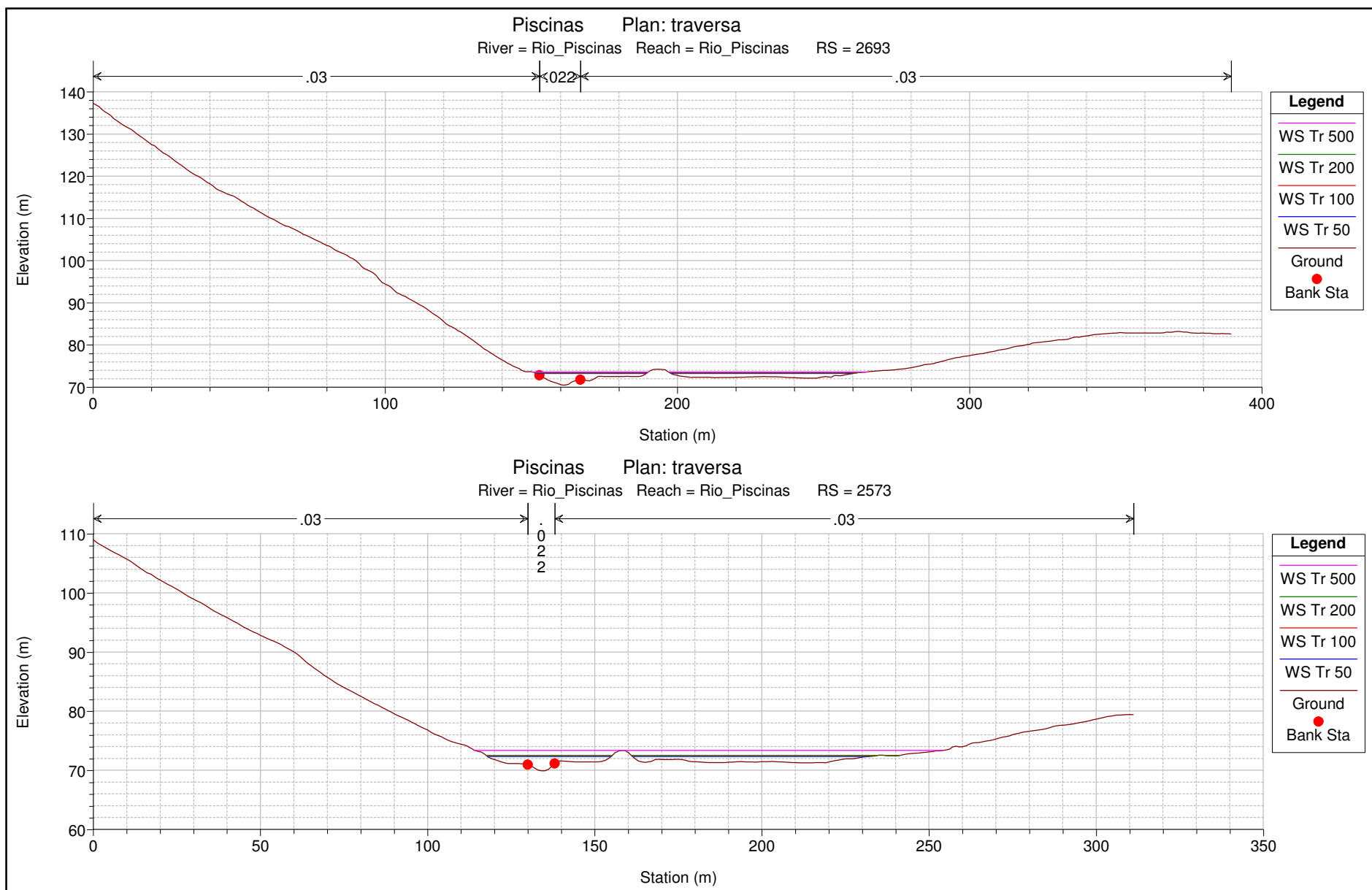


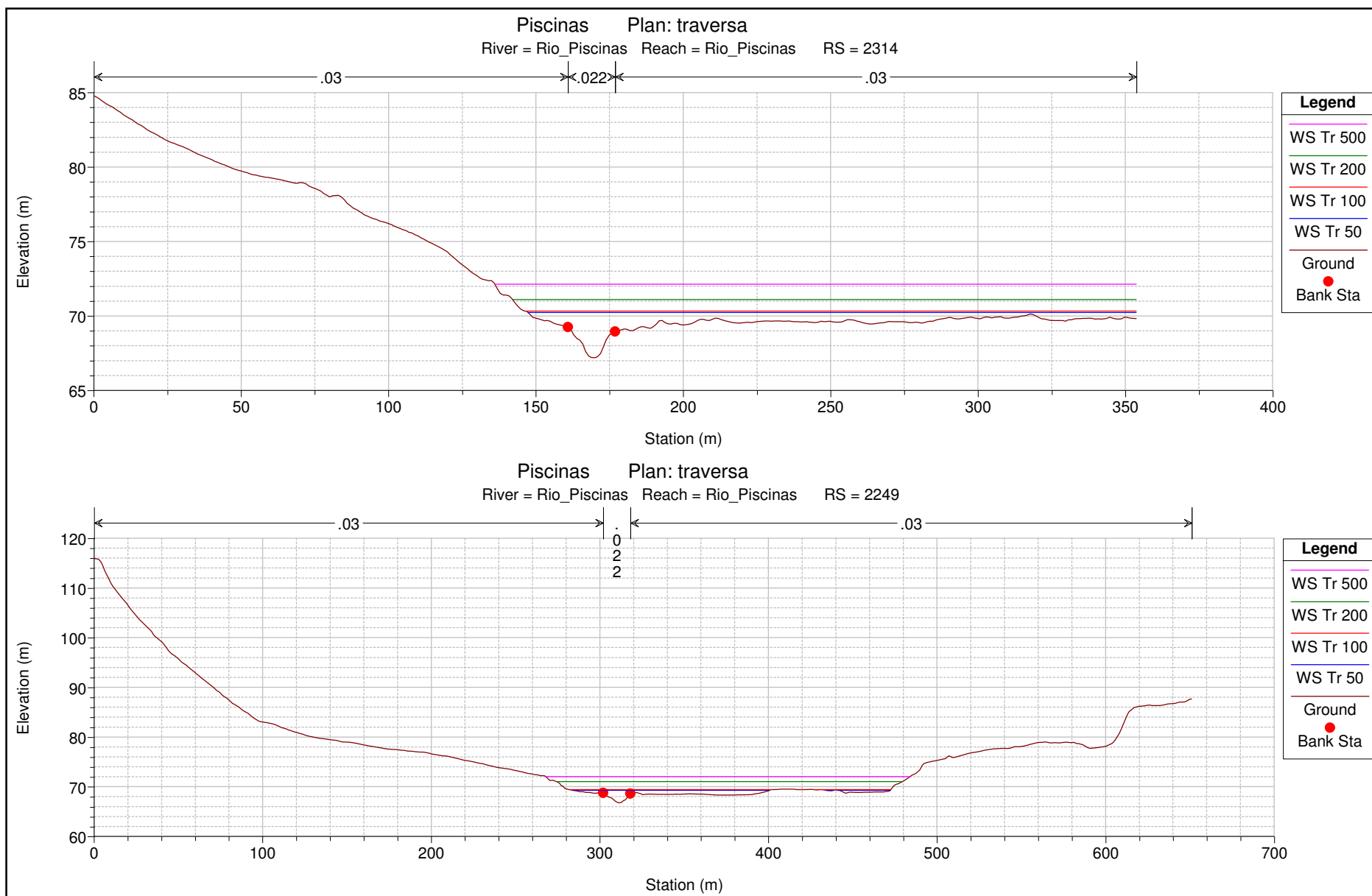


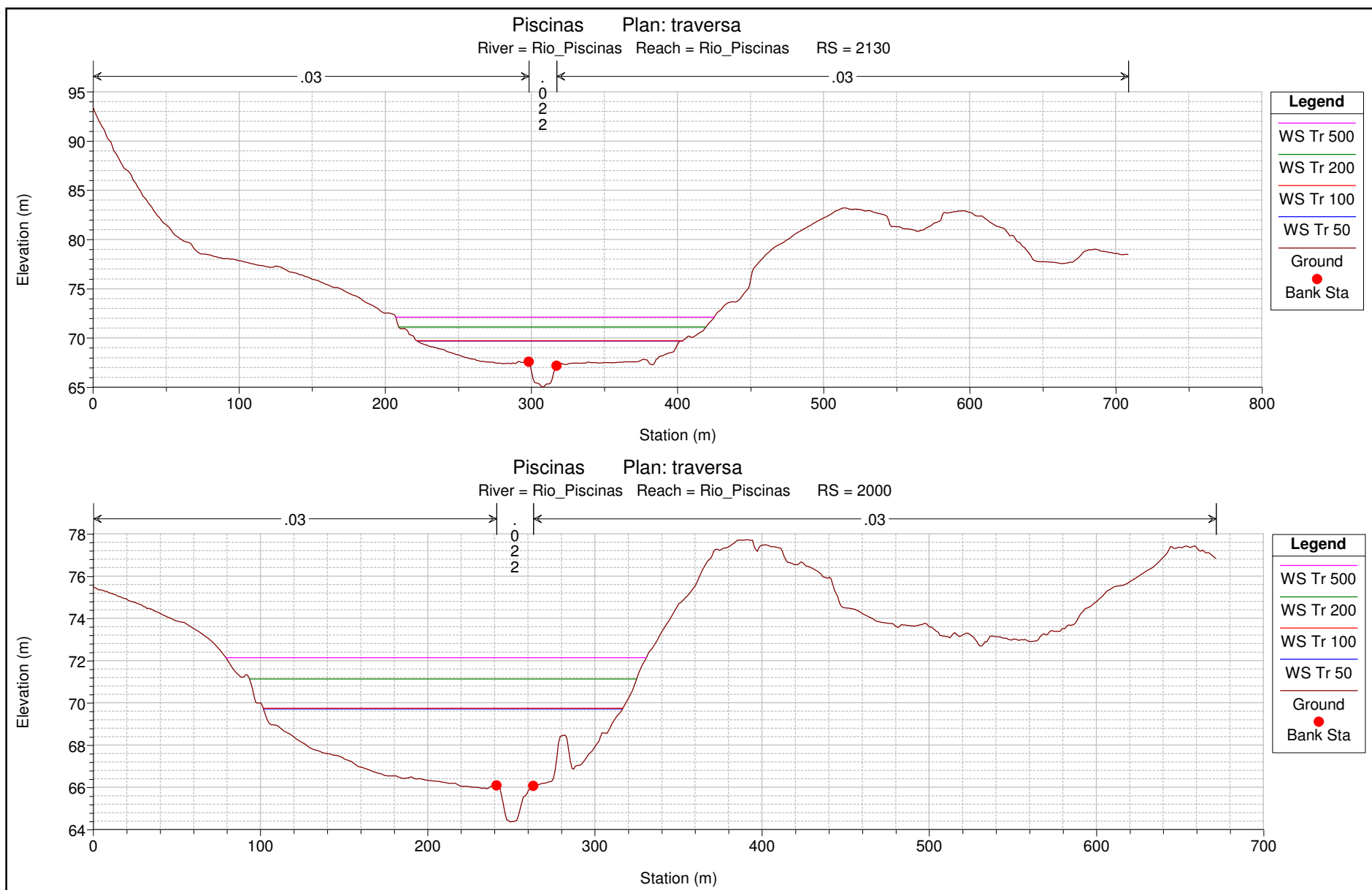


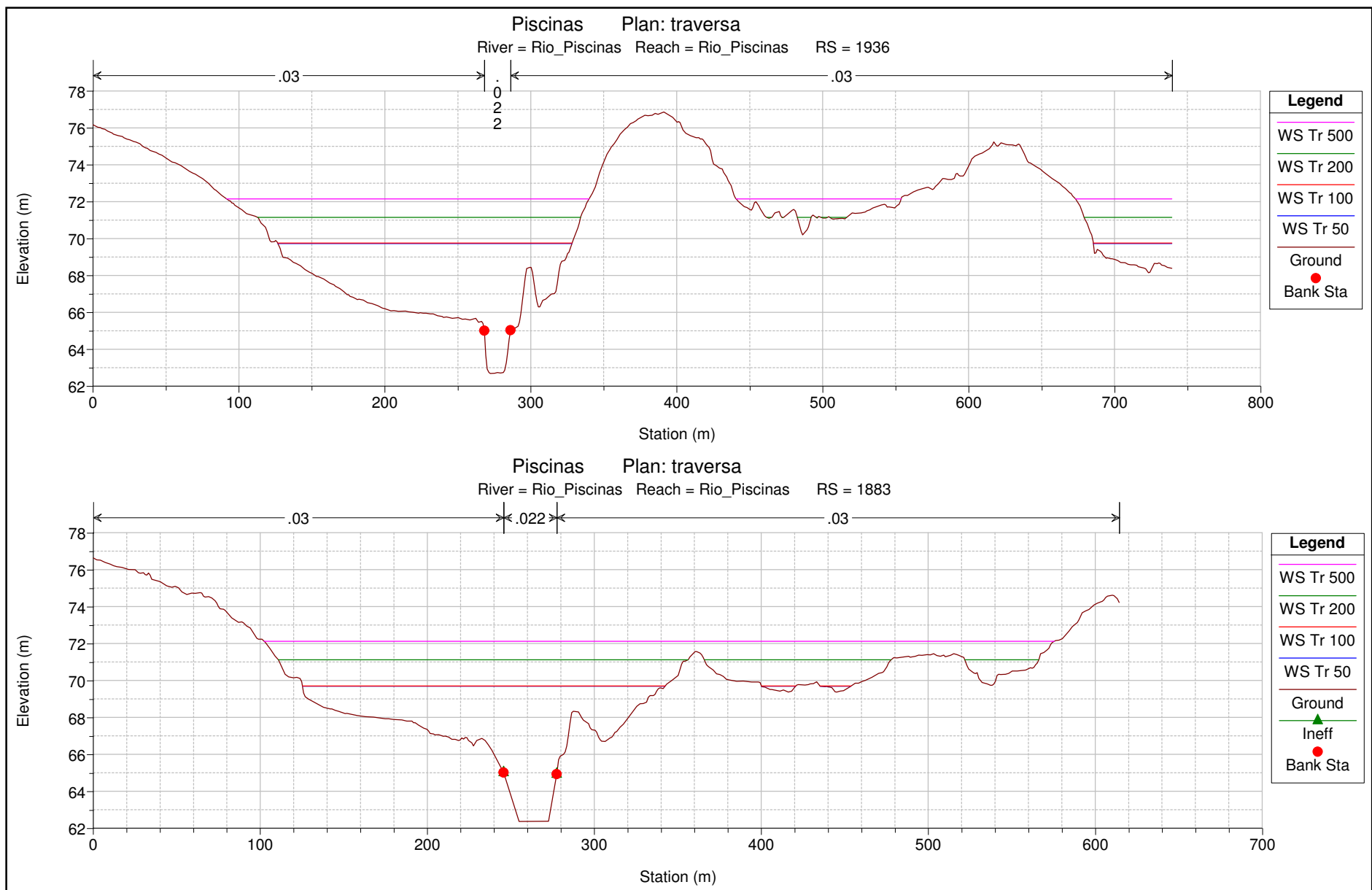


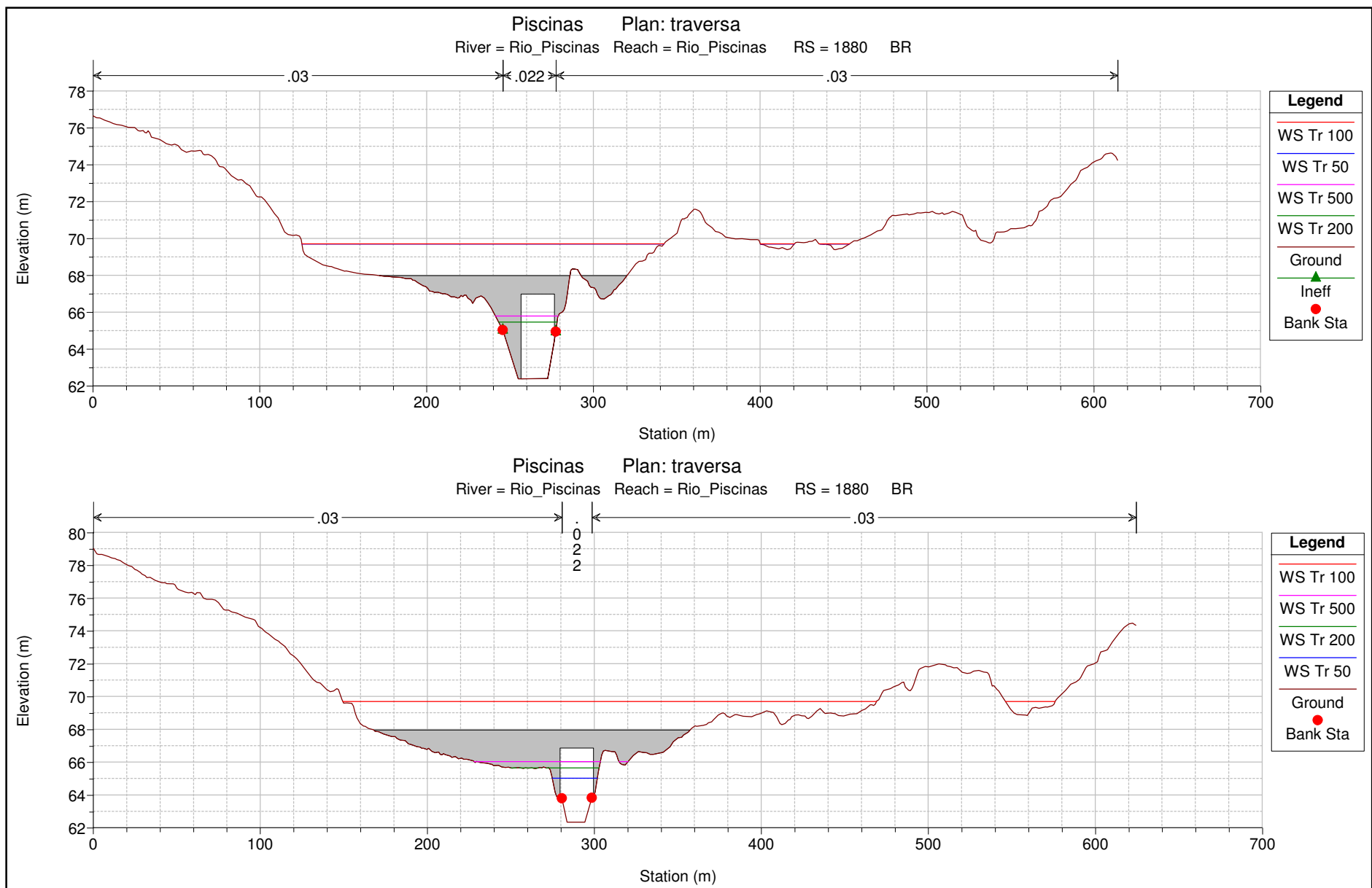


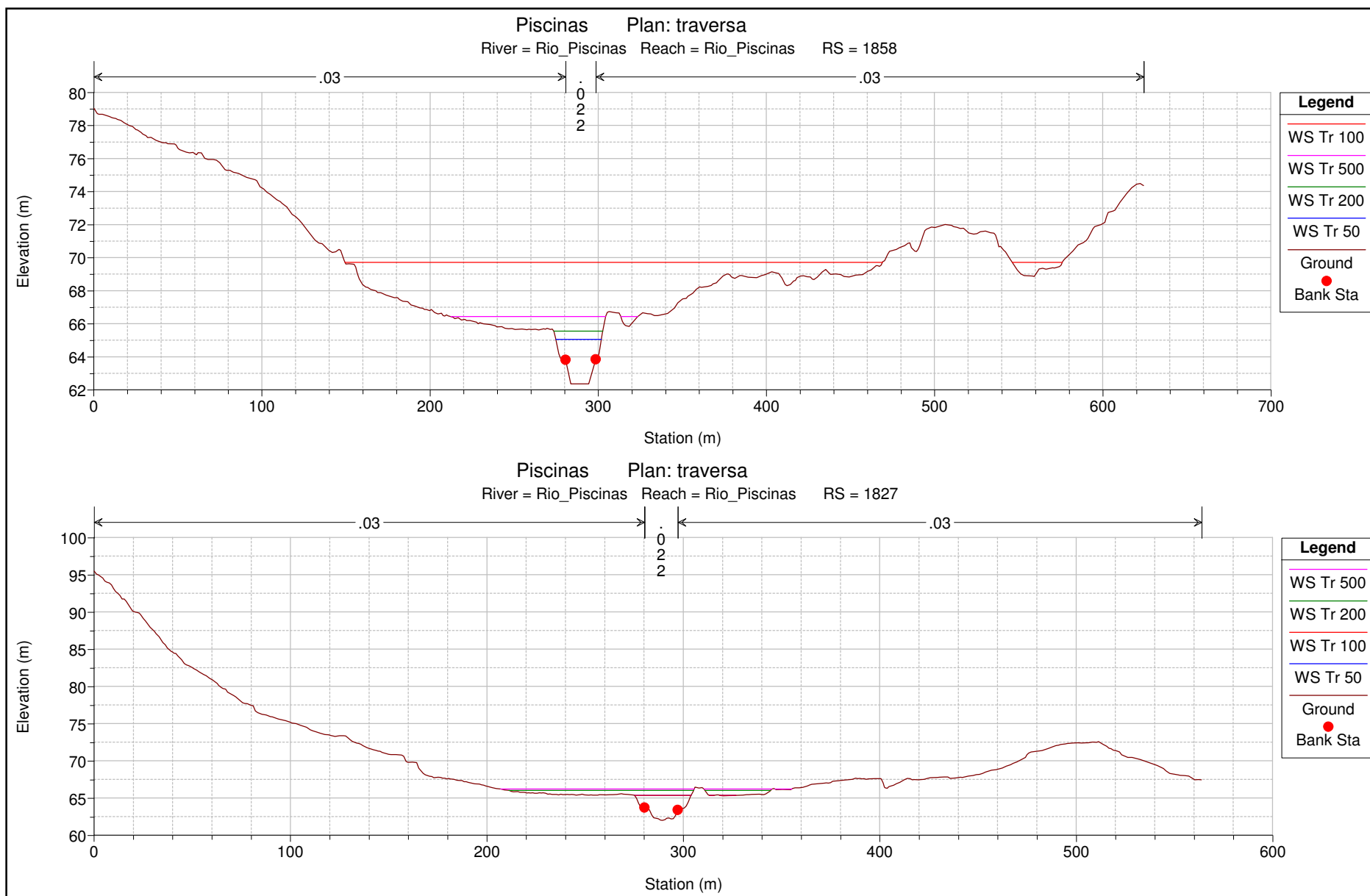


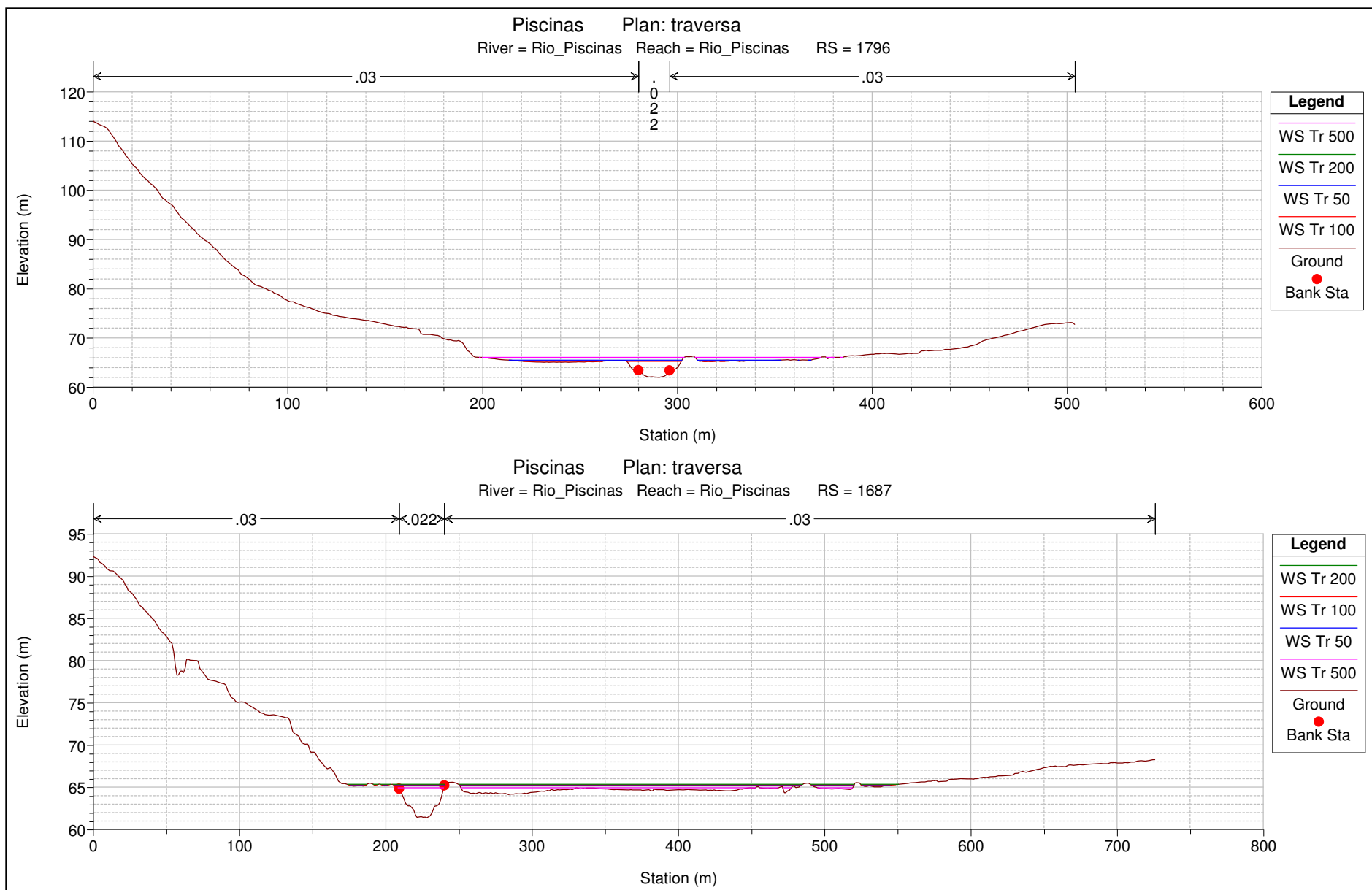


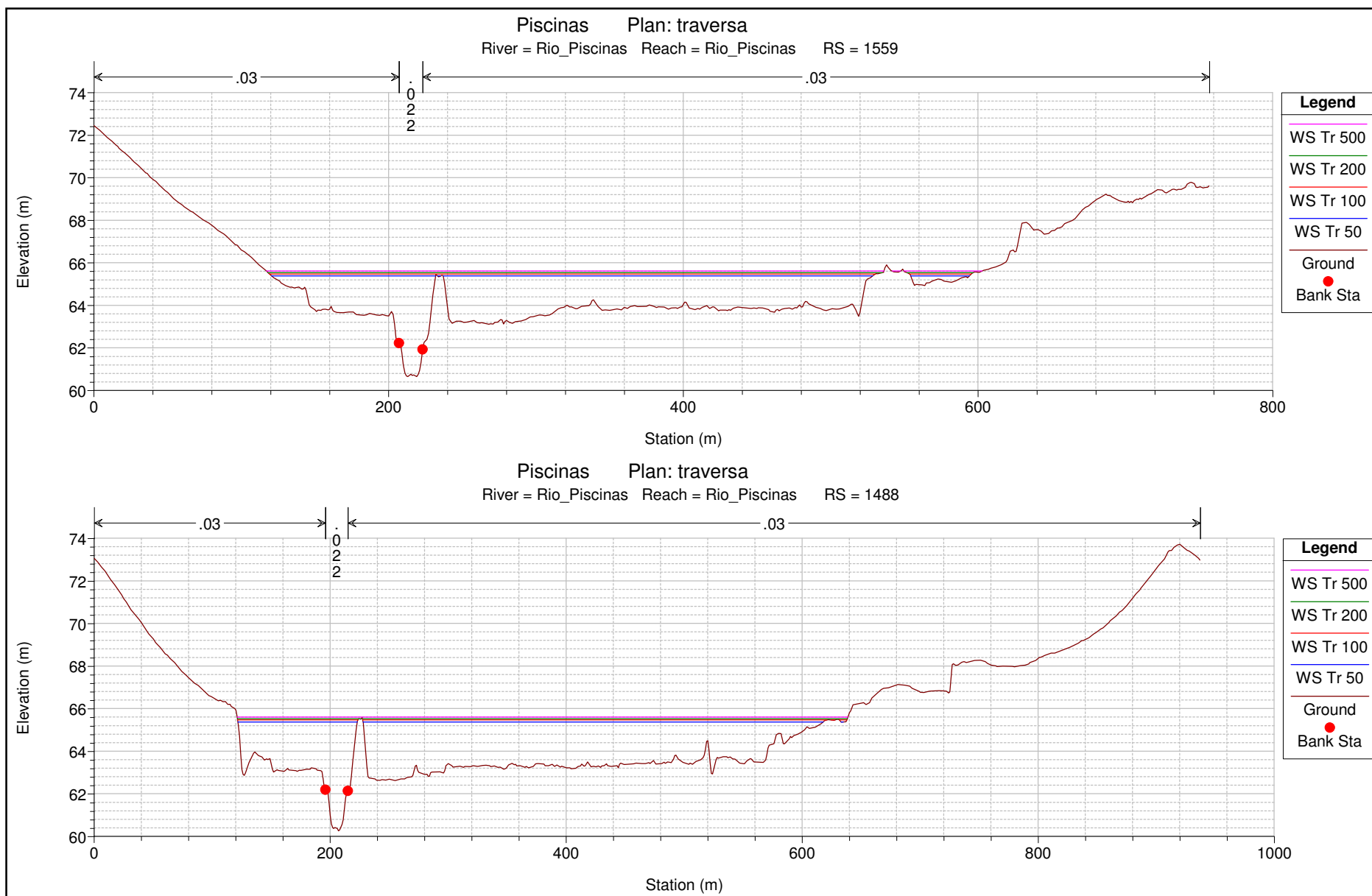


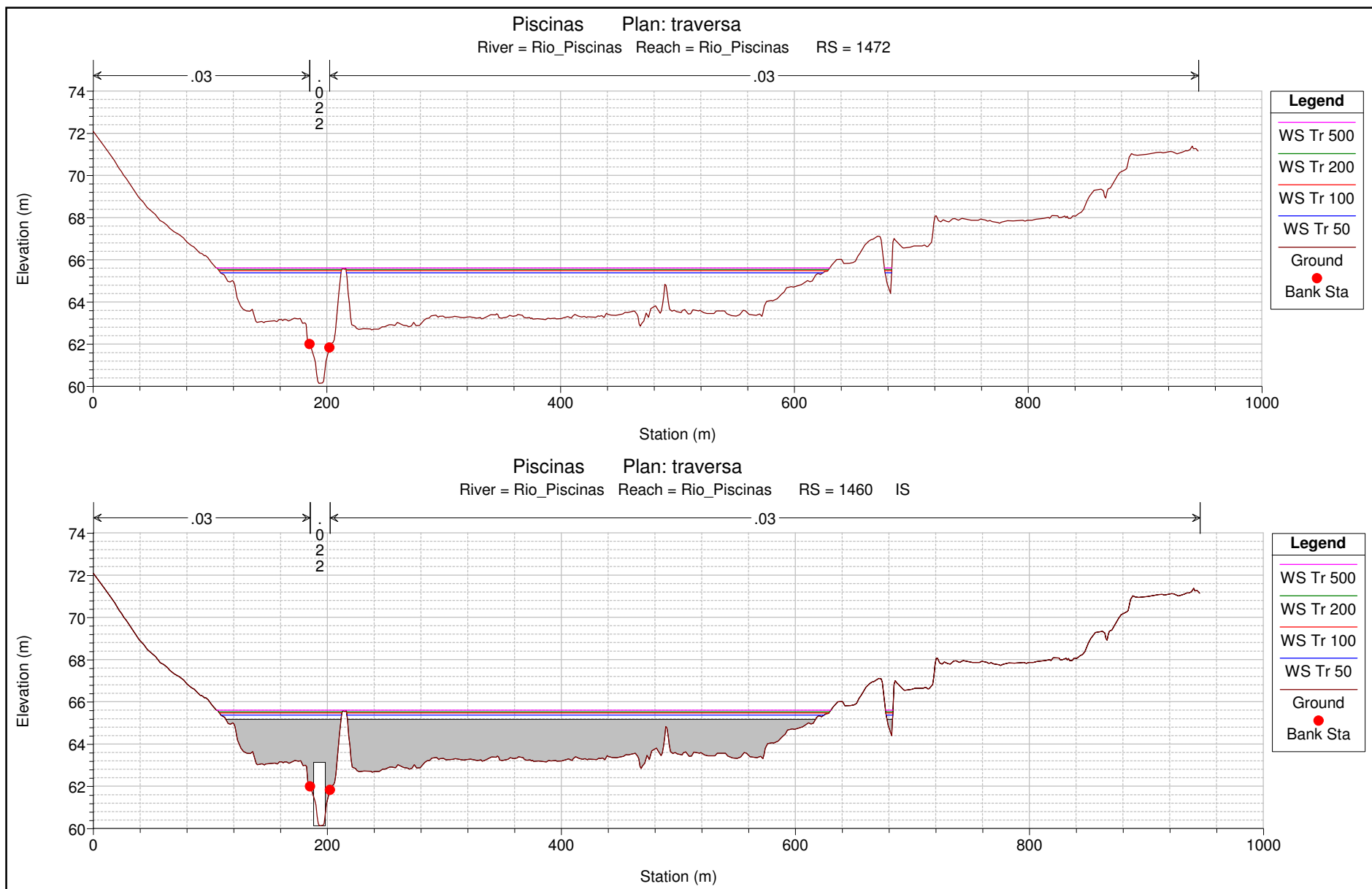


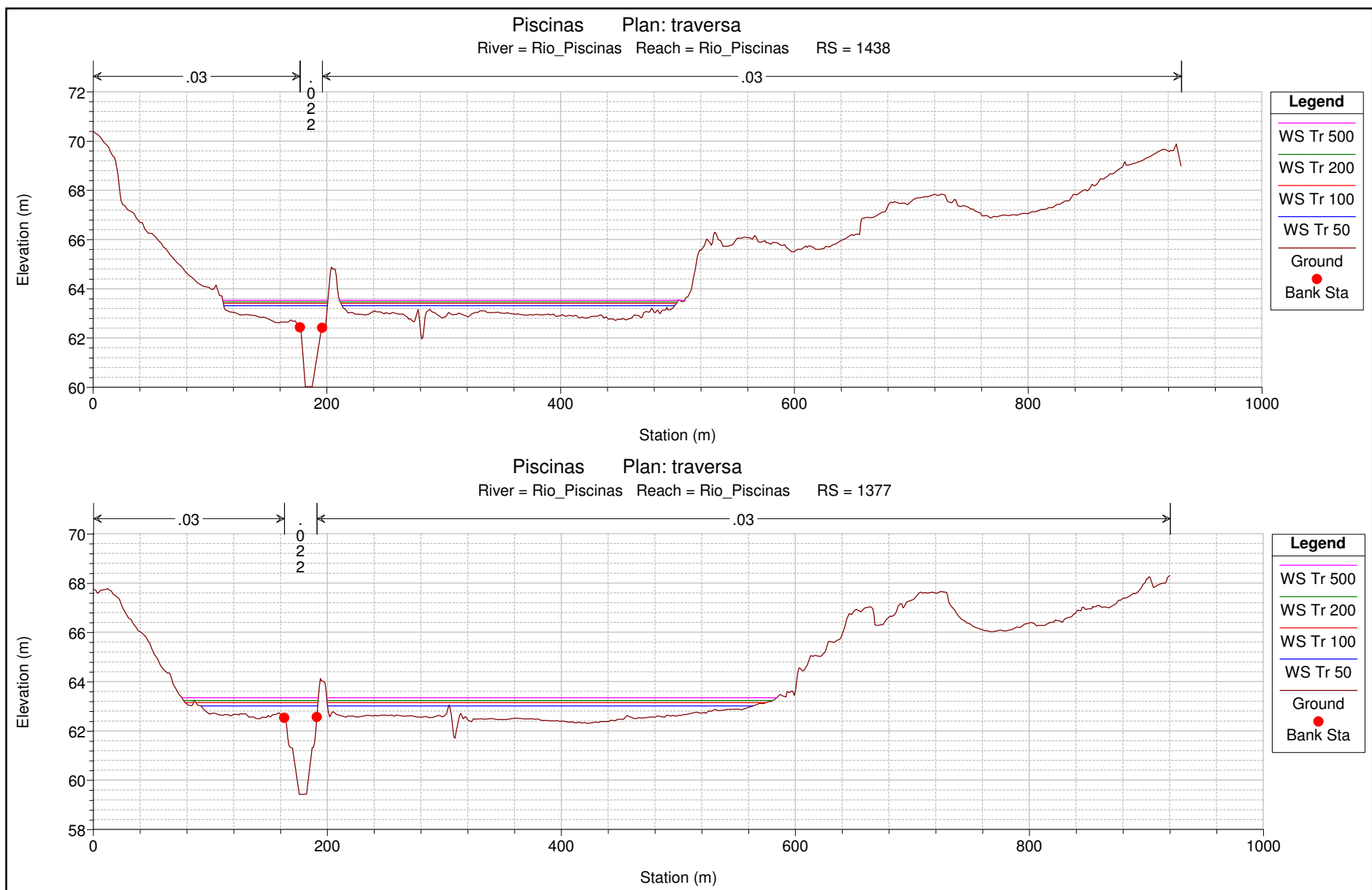


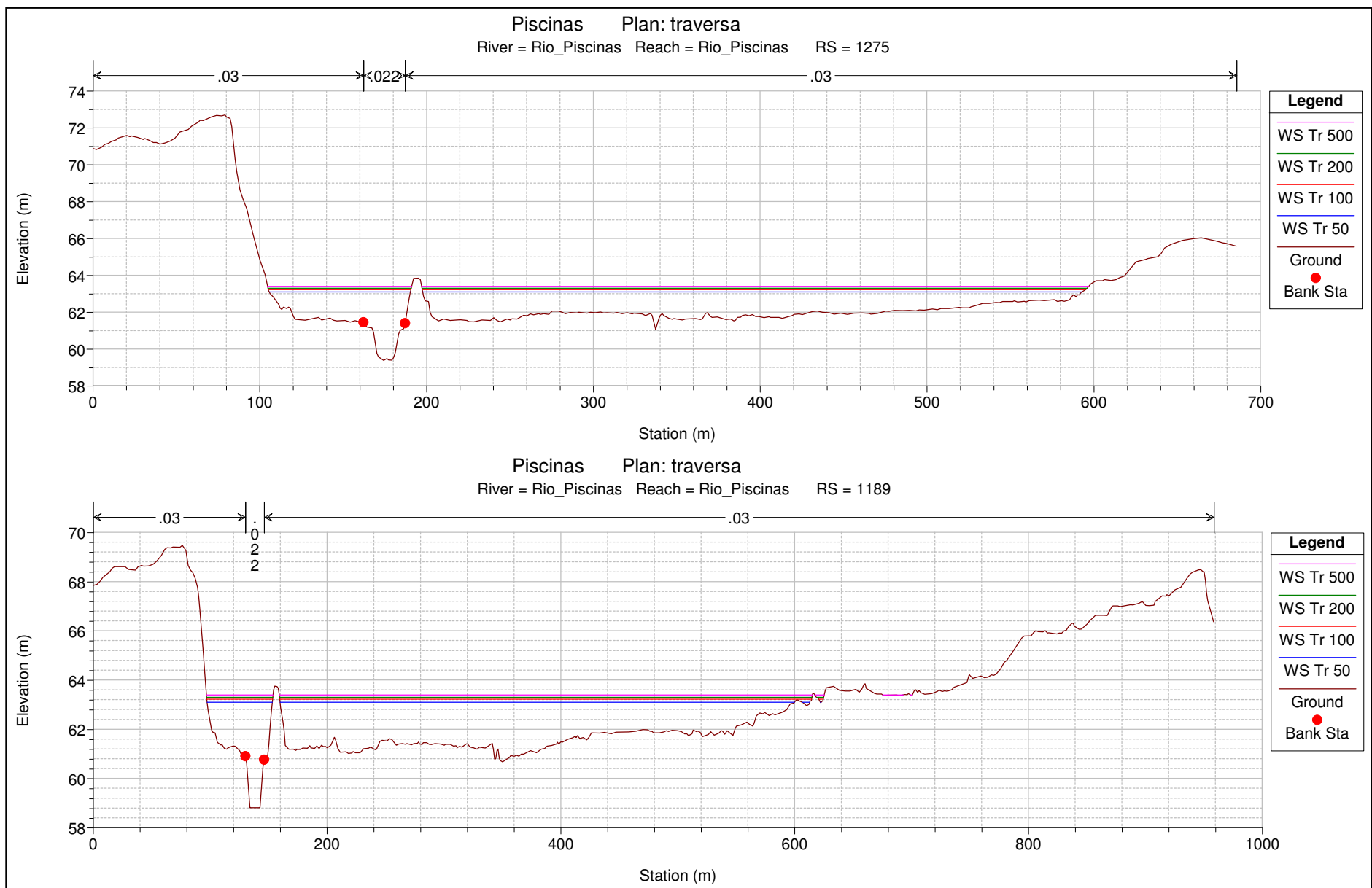


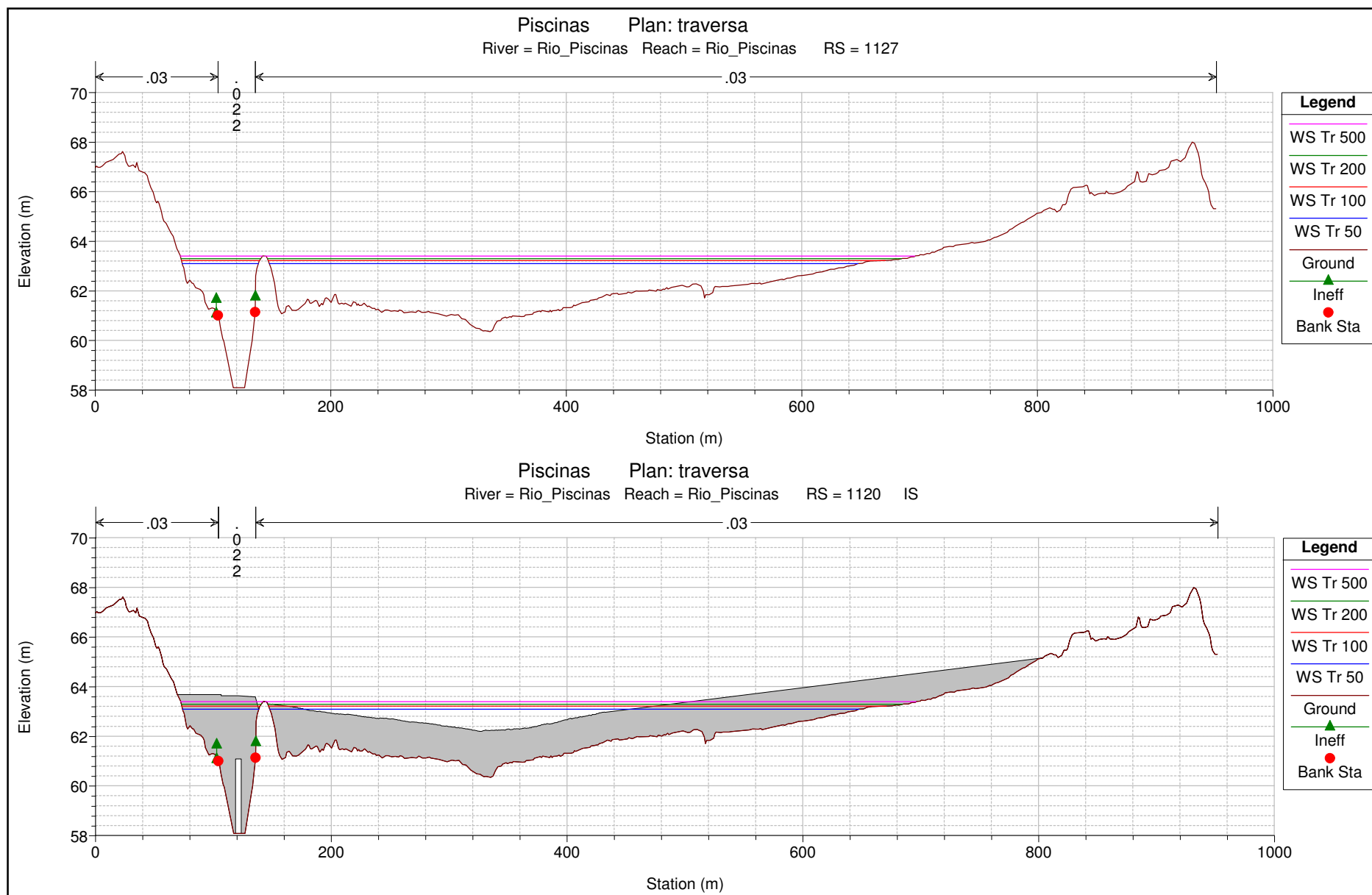


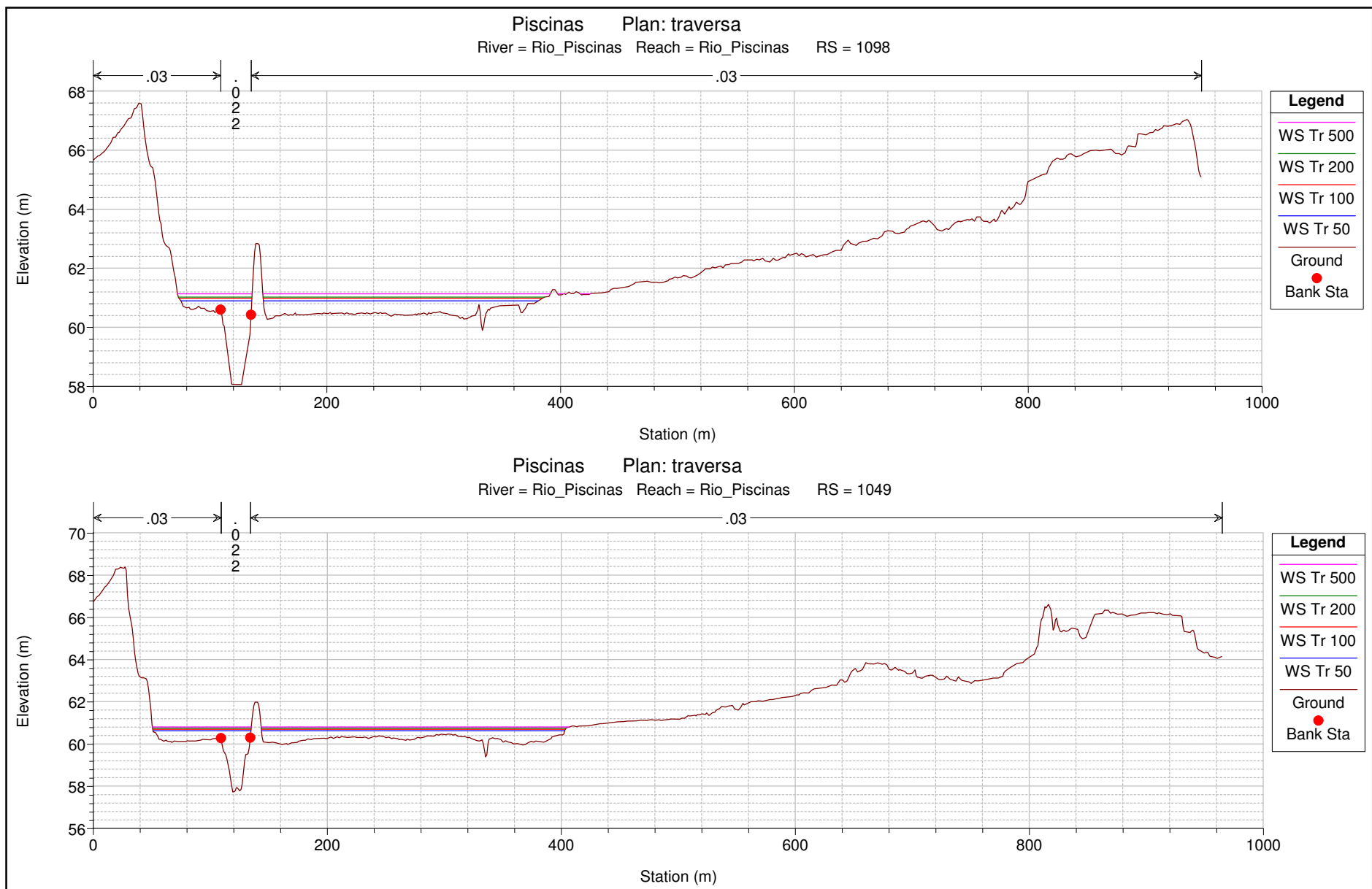


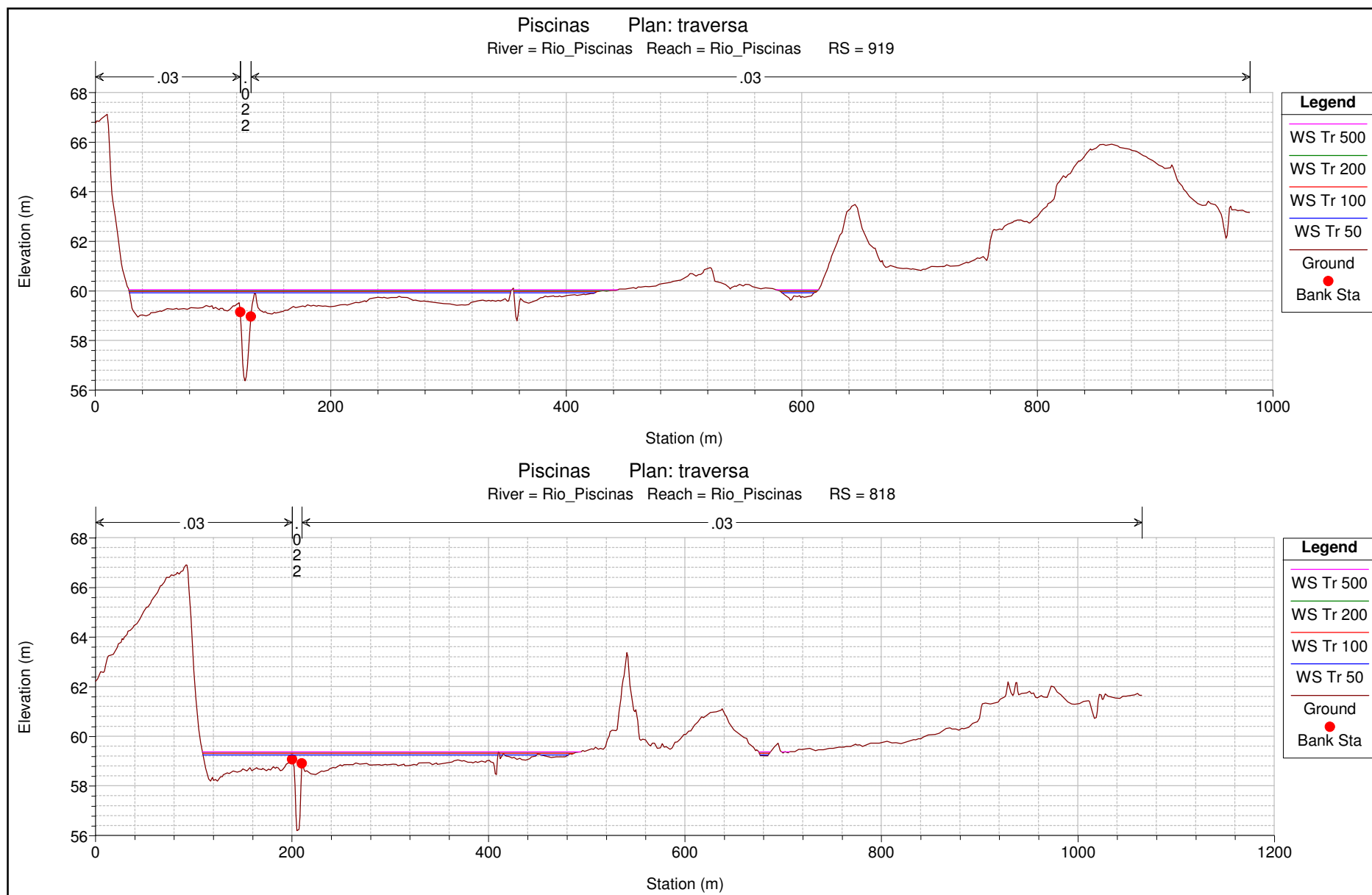


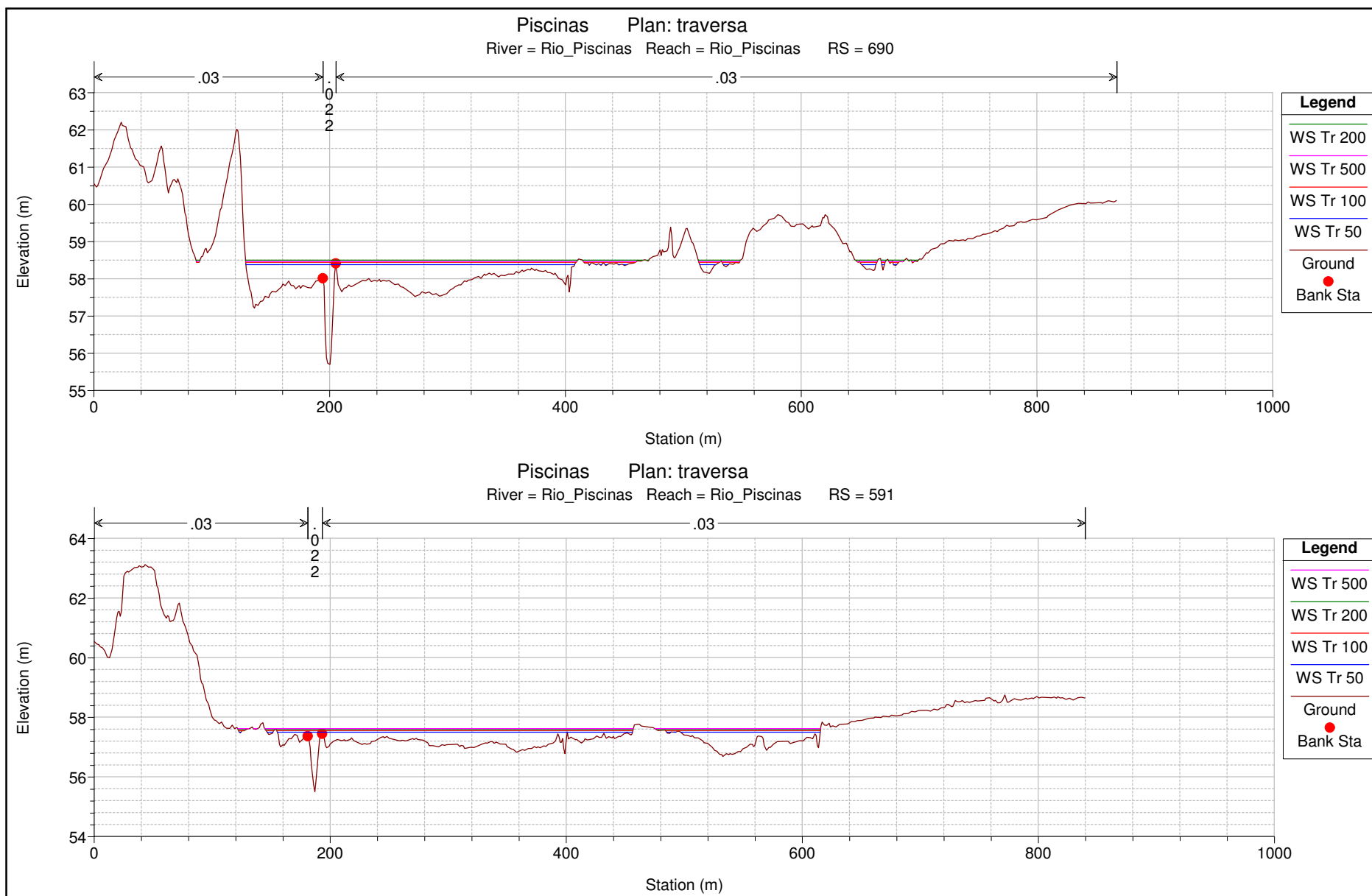


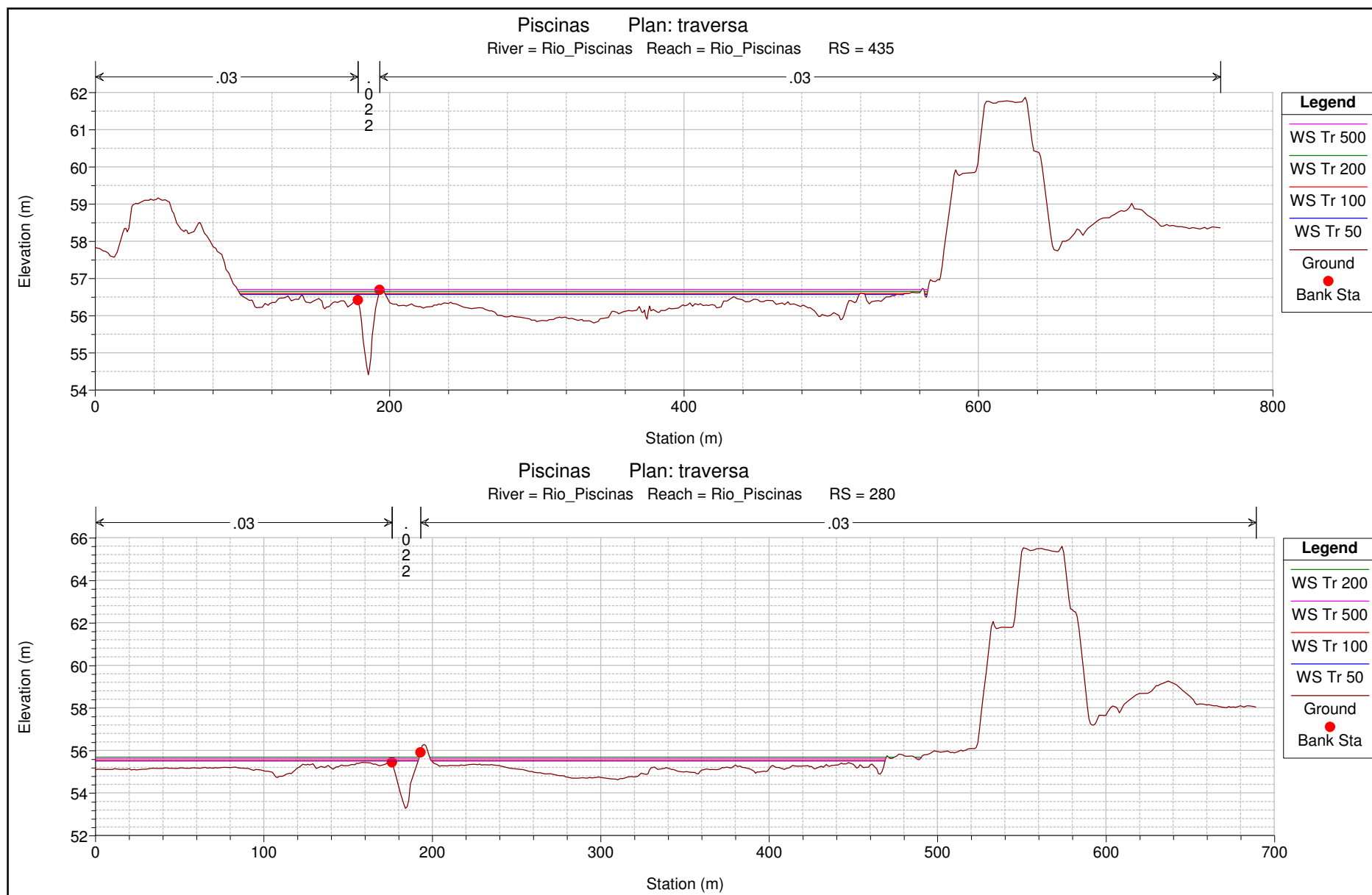


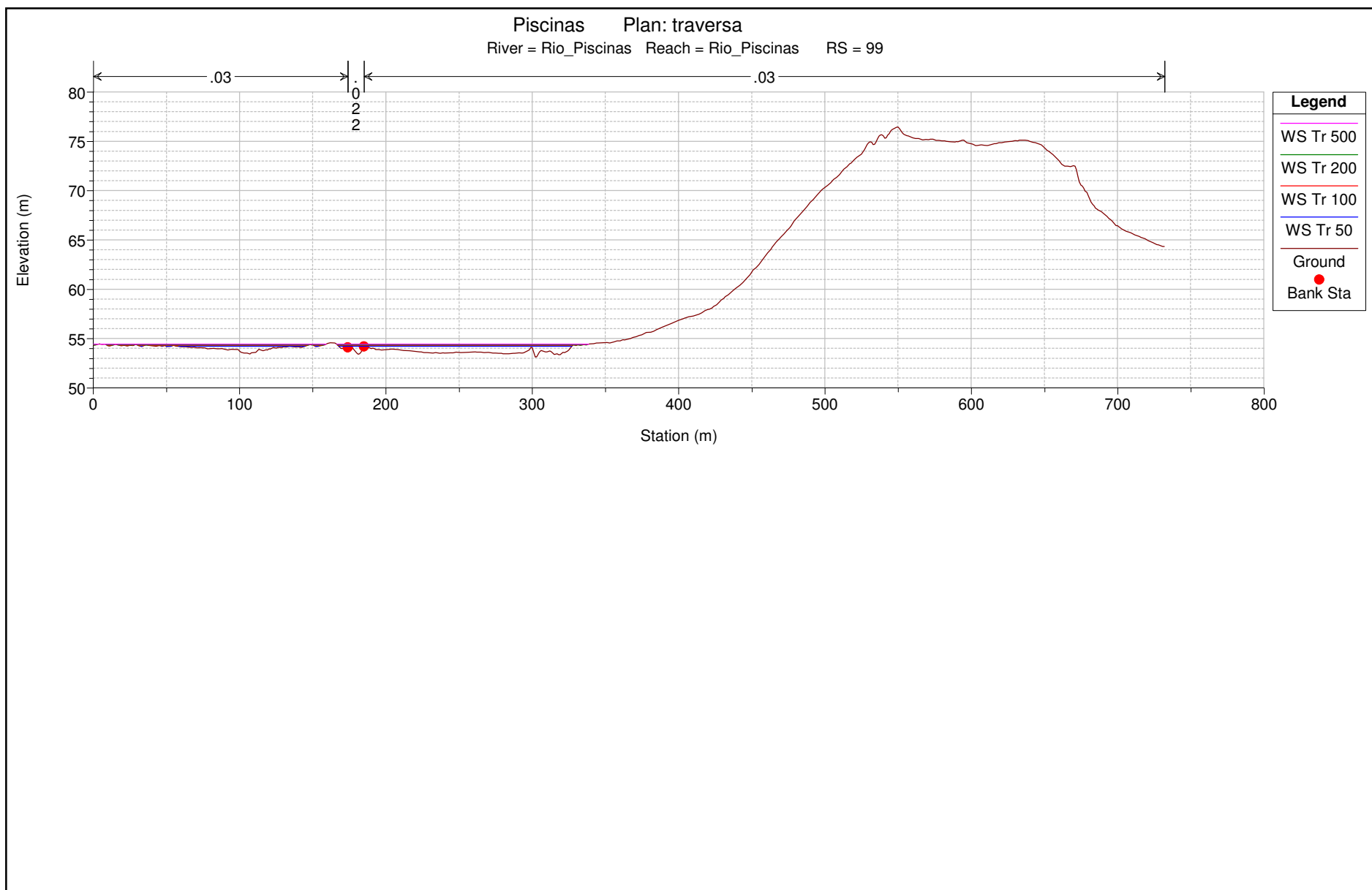












TABULATI

River	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
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1178	Tr 50	26.94	112.19	112.79	112.84	113.03	0.020004	2.26	12.64	38.43	1.11
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1178	Tr 100	31.96	112.19	112.83	112.89	113.10	0.020004	2.41	14.31	41.40	1.13
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1178	Tr 200	37.05	112.19	112.87	112.95	113.17	0.020003	2.54	15.93	42.81	1.14
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1178	Tr 500	43.87	112.19	112.91	113.00	113.25	0.020024	2.70	18.04	45.12	1.16
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1126	Tr 50	26.94	110.92	111.80	111.80	112.01	0.010973	2.61	14.52	31.90	0.92
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1126	Tr 100	31.96	110.92	111.85	111.85	112.08	0.011144	2.74	16.16	32.30	0.94
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1126	Tr 200	37.05	110.92	111.90	111.90	112.15	0.011431	2.87	17.64	32.66	0.96
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1126	Tr 500	43.87	110.92	111.96	111.96	112.24	0.011523	3.01	19.65	33.14	0.97
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1081	Tr 50	26.94	110.13	110.98	110.98	111.20	0.011831	2.68	13.91	30.22	0.95
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1081	Tr 100	31.96	110.13	111.05	111.04	111.28	0.011374	2.76	15.80	30.70	0.95
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1081	Tr 200	37.05	110.13	111.09	111.09	111.35	0.011713	2.90	17.23	30.89	0.97
Riu_Gutturuaixiu	Riu_Gutturuaixiu	1081	Tr 500	43.87	110.13	111.10	111.15	111.45	0.015344	3.35	17.62	30.94	1.11
Riu_Gutturuaixiu	Riu_Gutturuaixiu	939	Tr 50	26.94	107.66	108.19	108.27	108.47	0.030928	3.08	12.18	43.97	1.42
Riu_Gutturuaixiu	Riu_Gutturuaixiu	939	Tr 100	31.96	107.66	108.31	108.31	108.49	0.014320	2.43	17.59	46.54	1.00
Riu_Gutturuaixiu	Riu_Gutturuaixiu	939	Tr 200	37.05	107.66	108.35	108.35	108.54	0.014230	2.52	19.33	46.70	1.01
Riu_Gutturuaixiu	Riu_Gutturuaixiu	939	Tr 500	43.87	107.66	108.39	108.39	108.62	0.014209	2.64	21.49	46.90	1.02
Riu_Gutturuaixiu	Riu_Gutturuaixiu	830	Tr 50	26.94	105.37	105.99	105.99	106.14	0.011878	2.23	17.18	52.41	0.91
Riu_Gutturuaixiu	Riu_Gutturuaixiu	830	Tr 100	31.96	105.37	106.03	106.03	106.19	0.012286	2.36	18.98	52.55	0.94
Riu_Gutturuaixiu	Riu_Gutturuaixiu	830	Tr 200	37.05	105.37	106.06	106.06	106.24	0.012509	2.46	20.75	52.69	0.96
Riu_Gutturuaixiu	Riu_Gutturuaixiu	830	Tr 500	43.87	105.37	106.11	106.11	106.31	0.012416	2.56	23.17	52.89	0.96
Riu_Gutturuaixiu	Riu_Gutturuaixiu	713	Tr 50	26.94	103.00	103.60	103.60	103.75	0.013736	2.33	16.44	50.50	0.98
Riu_Gutturuaixiu	Riu_Gutturuaixiu	713	Tr 100	31.96	103.00	103.56	103.64	103.85	0.028514	3.19	14.39	48.88	1.39
Riu_Gutturuaixiu	Riu_Gutturuaixiu	713	Tr 200	37.05	103.00	103.68	103.68	103.86	0.013827	2.53	20.33	52.93	1.00
Riu_Gutturuaixiu	Riu_Gutturuaixiu	713	Tr 500	43.87	103.00	103.72	103.72	103.93	0.013628	2.64	22.93	54.65	1.00
Riu_Gutturuaixiu	Riu_Gutturuaixiu	607	Tr 50	26.94	100.50	101.43	101.43	101.62	0.011824	2.43	14.56	36.45	0.92
Riu_Gutturuaixiu	Riu_Gutturuaixiu	607	Tr 100	31.96	100.50	101.48	101.48	101.69	0.012021	2.56	16.34	37.66	0.94
Riu_Gutturuaixiu	Riu_Gutturuaixiu	607	Tr 200	37.05	100.50	101.53	101.53	101.75	0.011821	2.65	18.27	39.25	0.94
Riu_Gutturuaixiu	Riu_Gutturuaixiu	607	Tr 500	43.87	100.50	101.60	101.60	101.83	0.011052	2.71	21.45	45.69	0.92
Riu_Gutturuaixiu	Riu_Gutturuaixiu	560	Tr 50	26.94	99.40	100.08	100.17	100.42	0.025930	2.96	11.07	32.07	1.31
Riu_Gutturuaixiu	Riu_Gutturuaixiu	560	Tr 100	31.96	99.40	100.13	100.23	100.49	0.024760	3.08	12.70	33.48	1.30
Riu_Gutturuaixiu	Riu_Gutturuaixiu	560	Tr 200	37.05	99.40	100.28	100.28	100.52	0.012174	2.53	18.23	38.47	0.95
Riu_Gutturuaixiu	Riu_Gutturuaixiu	560	Tr 500	43.87	99.40	100.35	100.35	100.60	0.011829	2.65	21.00	41.18	0.95
Riu_Gutturuaixiu	Riu_Gutturuaixiu	474	Tr 50	26.94	96.65	97.38	97.38	97.59	0.015175	2.45	14.74	44.06	1.02
Riu_Gutturuaixiu	Riu_Gutturuaixiu	474	Tr 100	31.96	96.65	97.47	97.47	97.65	0.011257	2.32	19.02	52.56	0.90
Riu_Gutturuaixiu	Riu_Gutturuaixiu	474	Tr 200	37.05	96.65	97.51	97.51	97.70	0.011720	2.45	20.98	55.30	0.93
Riu_Gutturuaixiu	Riu_Gutturuaixiu	474	Tr 500	43.87	96.65	97.58	97.58	97.77	0.010665	2.48	25.00	62.67	0.90
Riu_Gutturuaixiu	Riu_Gutturuaixiu	380	Tr 50	26.94	93.17	93.82	93.82	94.03	0.016041	1.43	13.32	32.81	0.91
Riu_Gutturuaixiu	Riu_Gutturuaixiu	380	Tr 100	31.96	93.17	93.88	93.88	94.11	0.014741	1.47	15.56	35.25	0.88
Riu_Gutturuaixiu	Riu_Gutturuaixiu	380	Tr 200	37.05	93.17	93.94	93.94	94.17	0.013801	1.52	17.76	37.42	0.87
Riu_Gutturuaixiu	Riu_Gutturuaixiu	380	Tr 500	43.87	93.17	94.01	94.01	94.25	0.013323	1.66	20.47	41.29	0.88
Riu_Gutturuaixiu	Riu_Gutturuaixiu	295	Tr 50	26.94	89.75	91.10	91.10	91.21	0.006046	2.15	23.60	110.36	0.68
Riu_Gutturuaixiu	Riu_Gutturuaixiu	295	Tr 100	31.96	89.75	91.14	91.14	91.25	0.006259	2.25	28.47	121.20	0.70
Riu_Gutturuaixiu	Riu_Gutturuaixiu	295	Tr 200	37.05	89.75	91.19	91.19	91.29	0.005890	2.25	34.42	130.53	0.68
Riu_Gutturuaixiu	Riu_Gutturuaixiu	295	Tr 500	43.87	89.75	91.21	91.21	91.33	0.006636	2.42	37.67	136.07	0.72
Riu_Gutturuaixiu	Riu_Gutturuaixiu	208	Tr 50	26.94	86.26	87.28	87.28	87.49	0.010539	2.21	15.00	39.55	0.87
Riu_Gutturuaixiu	Riu_Gutturuaixiu	208	Tr 100	31.96	86.26	87.36	87.36	87.56	0.009274	2.22	18.07	43.88	0.83
Riu_Gutturuaixiu	Riu_Gutturuaixiu	208	Tr 200	37.05	86.26	87.40	87.40	87.62	0.009375	2.33	20.15	45.68	0.84
Riu_Gutturuaixiu	Riu_Gutturuaixiu	208	Tr 500	43.87	86.26	87.47	87.47	87.70	0.009360	2.45	23.05	49.15	0.85
Riu_Gutturuaixiu	Riu_Gutturuaixiu	158	Tr 50	26.94	82.33	83.93	84.13	84.79	0.023063	4.10	6.58	6.17	1.27
Riu_Gutturuaixiu	Riu_Gutturuaixiu	158	Tr 100	31.96	82.33	84.27	84.27	84.94	0.014492	3.63	8.80	6.89	1.02
Riu_Gutturuaixiu	Riu_Gutturuaixiu	158	Tr 200	37.05	82.33	84.61	84.61	85.12	0.008643	3.23	12.59	15.92	0.82
Riu_Gutturuaixiu	Riu_Gutturuaixiu	158	Tr 500	43.87	82.33	84.80	84.80	85.29	0.007298	3.21	16.17	20.62	0.77
Riu_Gutturuaixiu	Riu_Gutturuaixiu	82	Tr 50	26.94	80.71	82.15	82.15	82.40	0.009047	2.41	13.54	26.81	0.82
Riu_Gutturuaixiu	Riu_Gutturuaixiu	82	Tr 100	31.96	80.71	82.22	82.22	82.49	0.009120	2.54	15.38	28.12	0.84
Riu_Gutturuaixiu	Riu_Gutturuaixiu	82	Tr 200	37.05	80.71	82.29	82.28	82.57	0.009032	2.65	17.29	29.65	0.84
Riu_Gutturuaixiu	Riu_Gutturuaixiu	82	Tr 500	43.87	80.71	82.36	82.36	82.68	0.009351	2.82	19.49	31.79	0.87
Riu_Gutturuaixiu	Riu_Gutturuaixiu	13	Tr 50	26.94	79.54	80.44	80.44	80.67	0.009937	2.52	14.19	29.75	0.88
Riu_Gutturuaixiu	Riu_Gutturuaixiu	13	Tr 100	31.96	79.54	80.51	80.51	80.75	0.009752	2.62	16.14	30.90	0.88
Riu_Gutturuaixiu	Riu_Gutturuaixiu	13	Tr 200	37.05	79.54	80.41	80.56	80.91	0.022775	3.72	13.23	29.04	1.33
Riu_Gutturuaixiu	Riu_Gutturuaixiu	13	Tr 500	43.87	79.54	80.63	80.63	80.92	0.009774	2.87	20.22	32.95	0.90
Gora_Piscinas	Gora_Piscinas	1102	Tr 50	15.22	73.16	74.08	74.09	74.20	0.012002	1.96	11.17	46.26	0.88
Gora_Piscinas	Gora_Piscinas	1102	Tr 100	17.69	73.16	74.10	74.12	74.24	0.012007	2.02	12.51	47.77	0.88
Gora_Piscinas	Gora_Piscinas	1102	Tr 200	20.18	73.16	74.13	74.14	74.27	0.012004	2.09	13.75	48.84	0.89
Gora_Piscinas	Gora_Piscinas	1102	Tr 500	23.53	73.16	74.16	74.17	74.31	0.012000	2.17	15.37	50.42	0.90
Gora_Piscinas	Gora_Piscinas	1020	Tr 50	15.22	72.20	72.83	72.83	72.94	0.017419	1.73	10.65	51.80	0.97
Gora_Piscinas	Gora_Piscinas	1020	Tr 100	17.69	72.20	72.85	72.85	72.97	0.016244	1.77	12.14	54.25	0.95
Gora_Piscinas	Gora_Piscinas	1020	Tr 200	20.18	72.20	72.88	72.88	73.00	0.015794	1.82	13.45	56.81	0.95
Gora_Piscinas	Gora_Piscinas	1020	Tr 500	23.53	72.20	72.91	72.91	73.04	0.015013	1.88	15.49	59.82	0.94
Gora_Piscinas	Gora_Piscinas	919	Tr 50	15.22	70.55	71.14	71.14	71.25	0.015204	1.88	11.00	47.72	0.96
Gora_Piscinas	Gora_Piscinas	919	Tr 100	17.69	70.55	71.15	71.16	71.28	0.016848	2.03	11.78	48.49	1.01
Gora_Piscinas	Gora_Piscinas	919	Tr 200	20.18	70.55	71.19	71.19	71.31	0.015028	2.03	13.55	51.13	0.97
Gora_Piscinas	Gora_Piscinas	919	Tr 500	23.53	70.55	71.22	71.22	71.35	0.015229	2.12	15.01	52.83	0.99
Gora_Piscinas	Gora_Piscinas	804	Tr 50	15.22	68.58	69.42	69.42	69.51	0.010244	1.83	13.06	67.04	0.81
Gora_Piscinas	Gora_Piscinas	804	Tr 100	17.69	68.58	69.44	69.44	69.54	0.010105	1.86	14.74	69.25	0.81
Gora_Piscinas	Gora_Piscinas	804	Tr 200	20.18	68.58	69.46	69.46	69.56	0.010537	1.93	16.03	71.29	0.83
Gora_Piscinas	Gora_Piscinas	804	Tr 500	23.53	68.58	69.48	69.48	69.59	0.010899	2.01	17.75	73.60	0.84
Gora_Piscinas	Gora_Piscinas	707	Tr 50	15.22	67.07	67.87	67.87	67.95	0.012469	1.78	14.25	90.51	0.85
Gora_Piscinas	Gora_Piscinas	707	Tr 100	17.69	67.07	67.88	67.88	67.97	0.013896	1.90	15.43	94.74	0.90
Gora_Piscinas	Gora_Piscinas	707	Tr 200	20.18	67.07	67.92	67.92	67.99	0.011713	1.78	18.70	107.62	0.83
Gora_Piscinas	Gora_Piscinas	707	Tr 500	23.53	67.07	67.94	67.94	68.02	0.012127	1.83	20.74	111.31	0.85
Gora_Piscinas	Gora_Piscinas	652	Tr 50	15.22	65.90	67.14	67.14	67.23	0.007460	1.68	14.77	71.94	0.69
Gora_Piscinas	Gora_Piscinas	652	Tr 100	17.69	65.90	67.16	67.15	67.25	0.008246	1.80	16.01	73.75	0.73

River	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
Gora_Piscinas	Gora_Piscinas	652	Tr 200	20.18	65.90	67.18	67.18	67.28	0.008325	1.86	17.75	77.66	0.74
Gora_Piscinas	Gora_Piscinas	652	Tr 500	23.53	65.90	67.21	67.21	67.31	0.008405	1.92	20.10	82.35	0.75
Gora_Piscinas	Gora_Piscinas	600	Tr 50	15.22	65.39	66.32	66.32	66.45	0.008017	1.77	11.38	44.30	0.74
Gora_Piscinas	Gora_Piscinas	600	Tr 100	17.69	65.39	66.32	66.36	66.50	0.011516	2.10	11.08	43.42	0.89
Gora_Piscinas	Gora_Piscinas	600	Tr 200	20.18	65.39	66.39	66.39	66.53	0.008032	1.90	14.49	51.23	0.75
Gora_Piscinas	Gora_Piscinas	600	Tr 500	23.53	65.39	66.39	66.39	66.58	0.010679	2.19	14.64	51.53	0.87
Gora_Piscinas	Gora_Piscinas	531	Tr 50	15.22	65.06	66.20	65.67	66.21	0.000315	0.44	41.20	79.92	0.15
Gora_Piscinas	Gora_Piscinas	531	Tr 100	17.69	65.06	66.25	65.72	66.26	0.000336	0.48	45.47	90.64	0.16
Gora_Piscinas	Gora_Piscinas	531	Tr 200	20.18	65.06	66.30	65.75	66.31	0.000335	0.49	50.31	92.24	0.16
Gora_Piscinas	Gora_Piscinas	531	Tr 500	23.53	65.06	66.22	65.78	66.24	0.000687	0.67	42.81	85.67	0.23
Gora_Piscinas	Gora_Piscinas	472	Tr 50	15.22	65.37	65.81	65.81	65.90	0.013372	1.57	12.41	63.06	0.87
Gora_Piscinas	Gora_Piscinas	472	Tr 100	17.69	65.37	65.83	65.83	65.93	0.013467	1.64	13.77	64.74	0.89
Gora_Piscinas	Gora_Piscinas	472	Tr 200	20.18	65.37	65.85	65.85	65.95	0.013916	1.72	14.94	66.50	0.91
Gora_Piscinas	Gora_Piscinas	472	Tr 500	23.53	65.37	65.96	65.87	66.02	0.005645	1.29	23.14	80.17	0.60
Gora_Piscinas	Gora_Piscinas	372	Tr 50	15.22	64.68	64.87	64.87	64.93	0.020368	1.15	13.89	113.66	0.95
Gora_Piscinas	Gora_Piscinas	372	Tr 100	17.69	64.68	64.88	64.88	64.95	0.021945	1.25	15.03	116.42	0.99
Gora_Piscinas	Gora_Piscinas	372	Tr 200	20.18	64.68	65.04	64.89	65.06	0.002152	0.63	40.52	182.89	0.35
Gora_Piscinas	Gora_Piscinas	372	Tr 500	23.53	64.68	64.91	64.91	64.99	0.019477	1.35	19.55	130.44	0.97
Gora_Piscinas	Gora_Piscinas	286	Tr 50	15.22	63.44	64.20	64.20	64.32	0.012853	1.94	11.02	46.27	0.90
Gora_Piscinas	Gora_Piscinas	286	Tr 100	17.69	63.44	64.24	64.24	64.35	0.011176	1.91	13.21	53.23	0.85
Gora_Piscinas	Gora_Piscinas	286	Tr 200	20.18	63.44	64.26	64.26	64.38	0.011229	1.96	14.54	55.27	0.86
Gora_Piscinas	Gora_Piscinas	286	Tr 500	23.53	63.44	64.29	64.29	64.42	0.011548	2.05	16.15	58.47	0.87
Gora_Piscinas	Gora_Piscinas	233	Tr 50	15.22	63.02	63.80	63.80	63.89	0.012162	1.72	13.18	73.69	0.86
Gora_Piscinas	Gora_Piscinas	233	Tr 100	17.69	63.02	63.83	63.83	63.92	0.010519	1.68	15.82	83.13	0.81
Gora_Piscinas	Gora_Piscinas	233	Tr 200	20.18	63.02	64.08	63.85	64.09	0.000992	0.68	43.76	129.56	0.26
Gora_Piscinas	Gora_Piscinas	233	Tr 500	23.53	63.02	63.87	63.87	63.97	0.011135	1.82	19.26	94.54	0.84
Gora_Piscinas	Gora_Piscinas	172	Tr 50	15.22	62.90	63.71	63.71	63.79	0.012476	1.75	13.24	75.84	0.84
Gora_Piscinas	Gora_Piscinas	172	Tr 100	17.69	62.90	63.99	63.73	64.00	0.000834	0.53	43.83	139.45	0.23
Gora_Piscinas	Gora_Piscinas	172	Tr 200	20.18	62.90	64.03		64.04	0.000775	0.53	50.19	141.27	0.22
Gora_Piscinas	Gora_Piscinas	172	Tr 500	23.53	62.90	64.07	63.77	64.08	0.000790	0.56	55.01	142.78	0.23
Gora_Piscinas	Gora_Piscinas	131	Tr 50	15.22	62.70	63.60	63.60	63.68	0.009648	1.70	14.71	85.24	0.77
Gora_Piscinas	Gora_Piscinas	131	Tr 100	17.69	62.70	63.62	63.62	63.70	0.009010	1.70	17.03	90.23	0.75
Gora_Piscinas	Gora_Piscinas	131	Tr 200	20.18	62.70	63.64	63.64	63.72	0.009878	1.81	18.14	91.24	0.79
Gora_Piscinas	Gora_Piscinas	131	Tr 500	23.53	62.70	63.66	63.66	63.75	0.009929	1.87	20.29	95.57	0.79
Gora_Piscinas	Gora_Piscinas	89	Tr 50	15.22	62.38	62.98	62.06	62.98	0.000014	0.05	167.94	219.35	0.03
Gora_Piscinas	Gora_Piscinas	89	Tr 100	17.69	62.38	63.02	62.08	63.02	0.000017	0.05	176.61	219.85	0.03
Gora_Piscinas	Gora_Piscinas	89	Tr 200	20.18	62.38	63.05	62.09	63.06	0.000019	0.06	184.67	220.30	0.03
Gora_Piscinas	Gora_Piscinas	89	Tr 500	23.53	62.38	63.10	62.12	63.10	0.000021	0.07	194.81	220.85	0.03
Gora_Piscinas	Gora_Piscinas	70	Tr 50	15.22	61.95	62.98		62.98	0.000031	0.10	121.72	179.35	0.04
Gora_Piscinas	Gora_Piscinas	70	Tr 100	17.69	61.95	63.02		63.02	0.000035	0.11	128.77	180.99	0.05
Gora_Piscinas	Gora_Piscinas	70	Tr 200	20.18	61.95	63.05		63.05	0.000041	0.12	135.35	181.77	0.05
Gora_Piscinas	Gora_Piscinas	70	Tr 500	23.53	61.95	63.10		63.10	0.000046	0.13	143.64	182.10	0.05
Gora_Piscinas	Gora_Piscinas	27	Tr 50	15.22	62.00	62.83	62.72	62.86	0.005000	1.10	18.00	69.83	0.51
Gora_Piscinas	Gora_Piscinas	27	Tr 100	17.69	62.00	62.87	62.74	62.91	0.005001	1.14	21.29	80.67	0.52
Gora_Piscinas	Gora_Piscinas	27	Tr 200	20.18	62.00	62.89	62.76	62.93	0.004994	1.15	23.14	81.22	0.52
Gora_Piscinas	Gora_Piscinas	27	Tr 500	23.53	62.00	62.92	62.79	62.97	0.005008	1.18	25.87	85.21	0.52
Fiume_6897	Fiume_6897	1670	Tr 50	0.22	63.29	63.28	63.28	63.30	0.036805		0.36	9.88	0.00
Fiume_6897	Fiume_6897	1670	Tr 100	0.25	63.29	63.29	63.29	63.31	0.035866		0.40	10.15	0.00
Fiume_6897	Fiume_6897	1670	Tr 200	0.29	63.29	63.29	63.29	63.31	0.035169	0.06	0.46	11.61	0.56
Fiume_6897	Fiume_6897	1670	Tr 500	0.34	63.29	63.30	63.30	63.32	0.030067	0.13	0.54	12.18	0.64
Fiume_6897	Fiume_6897	1614	Tr 50	0.22	62.75	62.84	62.84	62.87	0.034043	0.73	0.30	5.85	1.03
Fiume_6897	Fiume_6897	1614	Tr 100	0.25	62.75	62.84	62.84	62.87	0.031558	0.75	0.34	5.96	1.00
Fiume_6897	Fiume_6897	1614	Tr 200	0.29	62.75	62.95	62.85	62.95	0.001269	0.27	1.09	10.58	0.23
Fiume_6897	Fiume_6897	1614	Tr 500	0.34	62.75	62.86	62.86	62.89	0.028336	0.80	0.42	6.22	0.98
Fiume_6897	Fiume_6897	1572	Tr 50	0.22	62.87	62.72	62.72	62.74	0.036966		0.37	10.42	0.00
Fiume_6897	Fiume_6897	1572	Tr 100	0.25	62.87	62.72	62.72	62.74	0.036179		0.41	10.58	0.00
Fiume_6897	Fiume_6897	1572	Tr 200	0.29	62.87	62.73	62.73	62.75	0.035073		0.45	10.79	0.00
Fiume_6897	Fiume_6897	1572	Tr 500	0.34	62.87	62.73	62.73	62.75	0.033105		0.51	11.14	0.00
Fiume_6897	Fiume_6897	1395	Tr 50	15.44	61.51	62.21	62.21	62.27	0.013384	1.72	15.87	109.25	0.85
Fiume_6897	Fiume_6897	1395	Tr 100	17.94	61.51	62.23	62.23	62.29	0.013621	1.75	17.42	109.48	0.86
Fiume_6897	Fiume_6897	1395	Tr 200	20.47	61.51	62.24	62.24	62.31	0.013965	1.79	18.83	109.70	0.87
Fiume_6897	Fiume_6897	1395	Tr 500	23.87	61.51	62.25	62.25	62.33	0.015333	1.90	20.18	109.90	0.92
Fiume_6897	Fiume_6897	1236	Tr 50	15.44	60.62	61.11	61.11	61.19	0.012033	1.33	13.21	77.78	0.79
Fiume_6897	Fiume_6897	1236	Tr 100	17.94	60.62	61.13	61.13	61.22	0.013705	1.46	14.82	80.57	0.85
Fiume_6897	Fiume_6897	1236	Tr 200	20.47	60.62	61.15	61.15	61.24	0.014455	1.53	16.02	83.93	0.88
Fiume_6897	Fiume_6897	1236	Tr 500	23.87	60.62	61.19	61.18	61.27	0.011389	1.45	20.03	102.42	0.79
Fiume_6897	Fiume_6897	1203	Tr 50	15.44	60.52	60.86	60.80	60.89	0.006837	1.04	18.84	94.84	0.61
Fiume_6897	Fiume_6897	1203	Tr 100	17.94	60.52	60.81	60.81	60.89	0.020056	1.60	14.70	91.58	1.02
Fiume_6897	Fiume_6897	1203	Tr 200	20.47	60.52	60.83	60.83	60.92	0.018824	1.63	16.30	92.51	1.00
Fiume_6897	Fiume_6897	1203	Tr 500	23.87	60.52	60.91		60.96	0.007751	1.24	23.94	103.86	0.67
Fiume_6897	Fiume_6897	1180	Tr 50	15.44	60.10	60.51	60.51	60.57	0.020371	1.56	14.93	121.99	1.02
Fiume_6897	Fiume_6897	1180	Tr 100	17.94	60.10	60.70	60.52	60.71	0.001231	0.42	41.30	155.75	0.26
Fiume_6897	Fiume_6897	1180	Tr 200	20.47	60.10	60.53	60.53	60.60	0.020131	1.59	18.01	123.53	1.02
Fiume_6897	Fiume_6897	1180	Tr 500	23.87	60.10	60.55	60.55	60.62	0.019649	1.59	19.98	124.26	1.01
Fiume_6897	Fiume_6897	1021	Tr 50	15.44	58.97	60.04	60.03	60.09	0.006892	1.56	19.95	133.20	0.66
Fiume_6897	Fiume_6897	1021	Tr 100	17.94	58.97	60.04	60.04	60.11	0.009158	1.80	20.07	133.51	0.76
Fiume_6897	Fiume_6897	1021	Tr 200	20.47	58.97	60.07	60.07	60.12	0.007614	1.63	24.21	150.19	0.69
Fiume_6897	Fiume_6897	1021	Tr 500	23.87	58.97	60.08	60.08	60.14	0.009119	1.77	25.66	157.73	0.76
Fiume_6897	Fiume_6897	885	Tr 50	15.44	58.62	59.24	59.24	59.30	0.013865	1.54	14.86	106.26	0.86
Fiume_6897	Fiume_6897	885	Tr 100	17.94	58.62	59.26	59.26	59.32	0.014599	1.52	16.45	112.79	0.88
Fiume_6897	Fiume_6897	885	Tr 200	20.47	58.62	59.44	59.27	59.45	0.001468	0.64	46.41	207.69	0.30
Fiume_6897	Fiume_6897	885	Tr 500	23.87	58.62	59.29	59.29	59.37	0.015415	1.58	20.16	127.92	0.91

River	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
Fiume_6897	Fiume_6897	814	Tr 50	15.44	58.30	58.99	58.99	59.04	0.015664	1.76	17.41	151.26	0.91
Fiume_6897	Fiume_6897	814	Tr 100	17.94	58.30	59.00	59.00	59.06	0.015924	1.80	19.11	154.39	0.93
Fiume_6897	Fiume_6897	814	Tr 200	20.47	58.30	59.02	59.02	59.07	0.015407	1.81	21.13	156.52	0.92
Fiume_6897	Fiume_6897	814	Tr 500	23.87	58.30	59.03	59.03	59.09	0.016192	1.89	22.96	158.18	0.94
Fiume_6897	Fiume_6897	703	Tr 50	15.44	57.85	58.39	58.39	58.45	0.009683	1.50	18.03	161.62	0.76
Fiume_6897	Fiume_6897	703	Tr 100	17.94	57.85	58.41	58.41	58.47	0.008846	1.48	21.22	164.03	0.74
Fiume_6897	Fiume_6897	703	Tr 200	20.47	57.85	58.47	58.42	58.50	0.004487	1.15	31.11	180.17	0.54
Fiume_6897	Fiume_6897	703	Tr 500	23.87	57.85	58.43	58.43	58.50	0.011981	1.76	23.58	165.99	0.86
Fiume_6897	Fiume_6897	620	Tr 50	15.44	56.91	57.75	57.74	57.81	0.008413	1.52	16.82	103.78	0.72
Fiume_6897	Fiume_6897	620	Tr 100	17.94	56.91	57.76	57.76	57.83	0.008584	1.57	18.71	104.58	0.73
Fiume_6897	Fiume_6897	620	Tr 200	20.47	56.91	57.78	57.78	57.85	0.009036	1.65	20.15	104.99	0.76
Fiume_6897	Fiume_6897	620	Tr 500	23.87	56.91	57.79	57.79	57.88	0.009751	1.75	21.86	105.10	0.79
Fiume_6897	Fiume_6897	477	Tr 50	15.44	56.19	56.58	56.57	56.65	0.015084	1.60	13.88	88.27	0.92
Fiume_6897	Fiume_6897	477	Tr 100	17.94	56.19	56.60	56.60	56.68	0.012996	1.57	16.58	98.38	0.87
Fiume_6897	Fiume_6897	477	Tr 200	20.47	56.19	56.62	56.62	56.70	0.013088	1.63	18.32	103.76	0.88
Fiume_6897	Fiume_6897	477	Tr 500	23.87	56.19	56.78	56.64	56.80	0.002293	0.88	37.62	124.68	0.39
Fiume_6897	Fiume_6897	361	Tr 50	15.44	55.69	56.18	56.10	56.20	0.001931	0.71	32.86	176.25	0.35
Fiume_6897	Fiume_6897	361	Tr 100	17.94	55.69	56.20	56.11	56.21	0.002155	0.77	35.17	177.31	0.37
Fiume_6897	Fiume_6897	361	Tr 200	20.47	55.69	56.23	56.24	56.24	0.001900	0.75	40.31	179.73	0.35
Fiume_6897	Fiume_6897	361	Tr 500	23.87	55.69	56.14	56.14	56.21	0.009056	1.44	25.50	170.74	0.74
Fiume_6897	Fiume_6897	315	Tr 50	15.44	55.49	55.77	55.77	55.84	0.019499	1.51	14.21	111.25	1.00
Fiume_6897	Fiume_6897	315	Tr 100	17.94	55.49	55.79	55.79	55.86	0.017019	1.50	16.87	122.23	0.95
Fiume_6897	Fiume_6897	315	Tr 200	20.47	55.49	55.80	55.80	55.88	0.018100	1.59	18.09	124.62	0.98
Fiume_6897	Fiume_6897	315	Tr 500	23.87	55.49	55.82	55.82	55.90	0.017823	1.64	20.24	128.96	0.99
Fiume_6897	Fiume_6897	210	Tr 50	15.44	54.63	55.06	54.98	55.10	0.005008	1.06	19.43	95.81	0.55
Fiume_6897	Fiume_6897	210	Tr 100	17.94	54.63	55.09	55.00	55.13	0.004999	1.11	21.90	102.25	0.55
Fiume_6897	Fiume_6897	210	Tr 200	20.47	54.63	55.11	55.02	55.15	0.005000	1.15	24.40	112.79	0.56
Fiume_6897	Fiume_6897	210	Tr 500	23.87	54.63	55.14	55.05	55.19	0.005002	1.20	27.72	121.65	0.57
Rio_Funtalanuma	Rio_Funtalanuma	3077	Tr 50	35.05	78.32	79.31	79.31	79.49	0.014299	2.26	18.78	52.22	0.96
Rio_Funtalanuma	Rio_Funtalanuma	3077	Tr 100	41.76	78.32	79.36	79.36	79.56	0.014142	2.35	21.45	53.83	0.96
Rio_Funtalanuma	Rio_Funtalanuma	3077	Tr 200	48.59	78.32	79.41	79.41	79.63	0.013477	2.38	24.31	55.31	0.95
Rio_Funtalanuma	Rio_Funtalanuma	3077	Tr 500	57.74	78.32	79.46	79.46	79.70	0.013712	2.50	27.27	56.71	0.96
Rio_Funtalanuma	Rio_Funtalanuma	2919	Tr 50	35.05	76.50	77.81	77.45	77.85	0.001593	1.16	42.95	73.22	0.36
Rio_Funtalanuma	Rio_Funtalanuma	2919	Tr 100	41.76	76.50	78.04	77.50	78.07	0.000850	0.96	60.98	83.55	0.27
Rio_Funtalanuma	Rio_Funtalanuma	2919	Tr 200	48.59	76.50	77.97	77.54	78.01	0.001590	1.26	54.80	81.89	0.37
Rio_Funtalanuma	Rio_Funtalanuma	2919	Tr 500	57.74	76.50	78.25	77.61	78.28	0.000759	1.00	78.53	88.30	0.26
Rio_Funtalanuma	Rio_Funtalanuma	2870	Tr 50	35.05	76.28	77.26	77.20	77.39	0.009162	1.94	22.87	57.87	0.79
Rio_Funtalanuma	Rio_Funtalanuma	2870	Tr 100	41.76	76.28	77.25	77.25	77.44	0.013716	2.35	22.47	57.67	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2870	Tr 200	48.59	76.28	77.38	77.30	77.52	0.008341	2.07	29.71	62.11	0.78
Rio_Funtalanuma	Rio_Funtalanuma	2870	Tr 500	57.74	76.28	77.36	77.36	77.58	0.013219	2.56	28.58	61.64	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2782	Tr 50	35.05	75.45	76.11	76.11	76.28	0.014286	2.24	19.97	56.28	0.98
Rio_Funtalanuma	Rio_Funtalanuma	2782	Tr 100	41.76	75.45	76.15	76.15	76.34	0.014696	2.38	22.20	57.36	1.01
Rio_Funtalanuma	Rio_Funtalanuma	2782	Tr 200	48.59	75.45	76.19	76.19	76.40	0.014055	2.45	24.98	59.38	1.00
Rio_Funtalanuma	Rio_Funtalanuma	2782	Tr 500	57.74	75.45	76.29	76.25	76.48	0.010325	2.32	31.09	62.72	0.88
Rio_Funtalanuma	Rio_Funtalanuma	2659	Tr 50	35.05	74.08	74.74	74.74	74.92	0.012294	2.24	20.25	60.86	0.93
Rio_Funtalanuma	Rio_Funtalanuma	2659	Tr 100	41.76	74.08	74.80	74.80	74.98	0.011012	2.27	24.30	66.51	0.89
Rio_Funtalanuma	Rio_Funtalanuma	2659	Tr 200	48.59	74.08	74.84	74.84	75.04	0.011423	2.40	26.92	69.00	0.92
Rio_Funtalanuma	Rio_Funtalanuma	2659	Tr 500	57.74	74.08	74.90	74.90	75.11	0.011137	2.50	31.17	73.74	0.92
Rio_Funtalanuma	Rio_Funtalanuma	2489	Tr 50	35.05	71.65	72.42	72.42	72.59	0.013641	2.40	20.27	58.27	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2489	Tr 100	41.76	71.65	72.47	72.47	72.65	0.013133	2.49	23.40	61.65	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2489	Tr 200	48.59	71.65	72.51	72.51	72.71	0.012829	2.56	26.17	63.33	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2489	Tr 500	57.74	71.65	72.57	72.57	72.78	0.012632	2.67	29.65	65.58	0.97
Rio_Funtalanuma	Rio_Funtalanuma	2394	Tr 50	35.05	70.45	70.92	70.92	71.05	0.013031	1.23	23.45	86.18	0.81
Rio_Funtalanuma	Rio_Funtalanuma	2394	Tr 100	41.76	70.45	70.96	70.96	71.10	0.012531	1.29	27.10	89.57	0.81
Rio_Funtalanuma	Rio_Funtalanuma	2394	Tr 200	48.59	70.45	70.99	70.99	71.14	0.013701	1.41	29.36	91.94	0.86
Rio_Funtalanuma	Rio_Funtalanuma	2394	Tr 500	57.74	70.45	71.02	71.02	71.19	0.014797	1.58	32.61	94.20	0.91
Rio_Funtalanuma	Rio_Funtalanuma	2301	Tr 50	35.05	68.56	69.34	69.34	69.46	0.015980	2.11	23.59	91.56	0.99
Rio_Funtalanuma	Rio_Funtalanuma	2301	Tr 100	41.76	68.56	69.37	69.37	69.50	0.016247	2.19	26.39	93.91	1.01
Rio_Funtalanuma	Rio_Funtalanuma	2301	Tr 200	48.59	68.56	69.47	69.40	69.56	0.008587	1.75	36.24	101.75	0.75
Rio_Funtalanuma	Rio_Funtalanuma	2301	Tr 500	57.74	68.56	69.44	69.44	69.60	0.015819	2.31	33.19	99.92	1.01
Rio_Funtalanuma	Rio_Funtalanuma	2226	Tr 50	35.05	67.67	68.57	68.57	68.67	0.011113	1.96	29.47	135.65	0.86
Rio_Funtalanuma	Rio_Funtalanuma	2226	Tr 100	41.76	67.67	68.60	68.60	68.70	0.011299	2.02	33.37	141.23	0.87
Rio_Funtalanuma	Rio_Funtalanuma	2226	Tr 200	48.59	67.67	68.63	68.63	68.73	0.011555	2.07	36.84	143.95	0.88
Rio_Funtalanuma	Rio_Funtalanuma	2226	Tr 500	57.74	67.67	68.85	68.65	68.89	0.002329	1.11	72.54	170.75	0.41
Rio_Funtalanuma	Rio_Funtalanuma	2147	Tr 50	35.05	67.43	68.05	68.05	68.15	0.017834	1.84	25.26	134.28	0.99
Rio_Funtalanuma	Rio_Funtalanuma	2147	Tr 100	41.76	67.43	68.09	68.09	68.19	0.016080	1.79	30.78	154.87	0.94
Rio_Funtalanuma	Rio_Funtalanuma	2147	Tr 200	48.59	67.43	68.11	68.11	68.22	0.015808	1.78	34.49	162.21	0.94
Rio_Funtalanuma	Rio_Funtalanuma	2147	Tr 500	57.74	67.43	68.14	68.14	68.26	0.015716	1.79	39.42	169.36	0.94
Rio_Funtalanuma	Rio_Funtalanuma	2113	Tr 50	35.05	66.96	67.27	67.10	67.29	0.003083	0.48	46.92	145.60	0.37
Rio_Funtalanuma	Rio_Funtalanuma	2113	Tr 100	41.76	66.96	67.13	67.13	67.24	0.019829	0.79	28.36	128.65	0.85
Rio_Funtalanuma	Rio_Funtalanuma	2113	Tr 200	48.59	66.96	67.15	67.15	67.27	0.019246	0.86	31.48	130.08	0.86
Rio_Funtalanuma	Rio_Funtalanuma	2113	Tr 500	57.74	66.96	67.18	67.18	67.32	0.018596	0.94	35.42	131.44	0.86
Rio_Funtalanuma	Rio_Funtalanuma	1997	Tr 50	35.05	65.96	66.42	66.42	66.50	0.013518	1.42	29.65	172.17	0.85
Rio_Funtalanuma	Rio_Funtalanuma	1997	Tr 100	41.76	65.96	66.55	66.44	66.58	0.003569	0.94	54.92	205.48	0.47
Rio_Funtalanuma	Rio_Funtalanuma	1997	Tr 200	48.59	65.96	66.58	66.46	66.62	0.003438	0.97	61.94	213.99	0.47
Rio_Funtalanuma	Rio_Funtalanuma	1997	Tr 500	57.74	65.96	66.50	66.50	66.60	0.012879	1.63	44.31	202.81	0.87
Rio_Funtalanuma	Rio_Funtalanuma	1883	Tr 50	35.05	64.80	65.74	65.54	65.76	0.002105	0.93	59.67	206.64	0.38
Rio_Funtalanuma	Rio_Funtalanuma	1883	Tr 100	41.76	64.80	65.57	65.57	65.67	0.015003	2.12	30.92	135.44	0.97
Rio_Funtalanuma	Rio_Funtalanuma	1883	Tr 200	48.59	64.80	65.59	65.59	65.70	0.014895	2.17	34.19	140.20	0.97
Rio_Funtalanuma	Rio_Funtalanuma	1883	Tr 500	57.74	64.80	65.63	65.63	65.74	0.014030	2.18	39.36	156.32	0.95
Rio_Funtalanuma	Rio_Funtalanuma	1840	Tr 50	35.05	64.78	65.24	65.24	65.34	0.013679	1.77	27.16	145.29	0.91

River	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
Rio_Funtalanuma	Rio_Funtalanuma	1840	Tr 100	41.76	64.78	65.47	65.24	65.49	0.001855	0.88	66.74	192.69	0.36
Rio_Funtalanuma	Rio_Funtalanuma	1840	Tr 200	48.59	64.78	65.31	65.31	65.41	0.012724	1.90	38.00	165.44	0.90
Rio_Funtalanuma	Rio_Funtalanuma	1840	Tr 500	57.74	64.78	65.34	65.34	65.45	0.012899	1.99	42.85	172.53	0.92
Rio_Funtalanuma	Rio_Funtalanuma	1779	Tr 50	35.05	64.34	64.82	64.82	64.95	0.004355	0.96	31.19	100.89	0.51
Rio_Funtalanuma	Rio_Funtalanuma	1779	Tr 100	41.76	64.34	64.86	64.86	64.99	0.004814	1.07	34.91	103.24	0.54
Rio_Funtalanuma	Rio_Funtalanuma	1779	Tr 200	48.59	64.34	65.02	64.90	65.08	0.002467	0.95	52.22	115.85	0.41
Rio_Funtalanuma	Rio_Funtalanuma	1779	Tr 500	57.74	64.34	65.10	64.93	65.16	0.002297	1.01	62.10	126.44	0.40
Rio_Funtalanuma	Rio_Funtalanuma	1731	Tr 50	35.05	64.06	64.62	64.49	64.65	0.004158	1.05	42.83	145.92	0.51
Rio_Funtalanuma	Rio_Funtalanuma	1731	Tr 100	41.76	64.06	64.52	64.52	64.63	0.019176	1.90	29.12	135.59	1.05
Rio_Funtalanuma	Rio_Funtalanuma	1731	Tr 200	48.59	64.06	64.54	64.54	64.66	0.018541	1.96	32.59	139.31	1.04
Rio_Funtalanuma	Rio_Funtalanuma	1731	Tr 500	57.74	64.06	64.57	64.57	64.70	0.018013	2.03	36.69	141.13	1.04
Rio_Funtalanuma	Rio_Funtalanuma	1695	Tr 50	35.05	63.31	63.98	63.98	64.12	0.008739	1.92	24.68	90.44	0.78
Rio_Funtalanuma	Rio_Funtalanuma	1695	Tr 100	41.76	63.31	64.11	64.01	64.19	0.004752	1.61	39.91	136.84	0.60
Rio_Funtalanuma	Rio_Funtalanuma	1695	Tr 200	48.59	63.31	64.10	64.01	64.22	0.006826	1.92	38.99	135.01	0.71
Rio_Funtalanuma	Rio_Funtalanuma	1695	Tr 500	57.74	63.31	64.21	64.13	64.29	0.003992	1.61	55.11	152.33	0.56
Rio_Funtalanuma	Rio_Funtalanuma	1622	Tr 50	35.05	62.74	63.65	63.49	63.68	0.002002	1.06	50.18	150.85	0.39
Rio_Funtalanuma	Rio_Funtalanuma	1622	Tr 100	41.76	62.74	63.52	63.52	63.64	0.008926	1.98	32.73	125.91	0.80
Rio_Funtalanuma	Rio_Funtalanuma	1622	Tr 200	48.59	62.74	63.56	63.56	63.68	0.008768	2.03	37.39	131.64	0.80
Rio_Funtalanuma	Rio_Funtalanuma	1622	Tr 500	57.74	62.74	63.59	63.59	63.72	0.009005	2.13	41.93	134.42	0.81
Rio_Funtalanuma	Rio_Funtalanuma	1542	Tr 50	35.05	62.49	62.95	62.93	63.07	0.013363	1.50	22.49	76.05	0.86
Rio_Funtalanuma	Rio_Funtalanuma	1542	Tr 100	41.76	62.49	63.25	62.97	63.29	0.002158	0.95	51.79	117.02	0.39
Rio_Funtalanuma	Rio_Funtalanuma	1542	Tr 200	48.59	62.49	63.01	63.01	63.17	0.016167	1.86	27.31	86.61	0.97
Rio_Funtalanuma	Rio_Funtalanuma	1542	Tr 500	57.74	62.49	63.06	63.05	63.23	0.014911	1.94	31.78	93.08	0.96
Rio_Funtalanuma	Rio_Funtalanuma	1465	Tr 50	35.05	61.50	62.57		62.62	0.003000	1.25	38.98	106.75	0.47
Rio_Funtalanuma	Rio_Funtalanuma	1465	Tr 100	41.76	61.50	62.44	62.44	62.59	0.012068	2.21	26.29	84.17	0.91
Rio_Funtalanuma	Rio_Funtalanuma	1465	Tr 200	48.59	61.50	62.70	62.48	62.75	0.002455	1.26	53.52	118.35	0.44
Rio_Funtalanuma	Rio_Funtalanuma	1465	Tr 500	57.74	61.50	62.75		62.81	0.002626	1.36	59.33	120.28	0.45
Rio_Funtalanuma	Rio_Funtalanuma	1394	Tr 50	35.05	60.98	61.97	61.97	62.08	0.012257	1.91	26.94	113.46	0.88
Rio_Funtalanuma	Rio_Funtalanuma	1394	Tr 100	41.76	60.98	62.00	62.00	62.12	0.013179	2.04	29.61	115.15	0.92
Rio_Funtalanuma	Rio_Funtalanuma	1394	Tr 200	48.59	60.98	62.02	62.02	62.15	0.013841	2.15	32.30	118.40	0.95
Rio_Funtalanuma	Rio_Funtalanuma	1394	Tr 500	57.74	60.98	62.06	62.06	62.20	0.013006	2.20	37.26	124.57	0.93
Rio_Funtalanuma	Rio_Funtalanuma	1291	Tr 50	35.05	60.90	61.84	61.40	61.85	0.000453	0.52	91.33	204.42	0.19
Rio_Funtalanuma	Rio_Funtalanuma	1291	Tr 100	41.76	60.90	61.88	61.43	61.89	0.000507	0.57	99.18	218.72	0.20
Rio_Funtalanuma	Rio_Funtalanuma	1291	Tr 200	48.59	60.90	61.93	61.46	61.94	0.000506	0.59	110.91	230.60	0.20
Rio_Funtalanuma	Rio_Funtalanuma	1291	Tr 500	57.74	60.90	62.01	61.49	62.02	0.000481	0.61	129.17	235.43	0.20
Rio_Funtalanuma	Rio_Funtalanuma	1274	Tr 50	35.05	60.76	61.83		61.84	0.000413	0.57	96.10	225.95	0.18
Rio_Funtalanuma	Rio_Funtalanuma	1274	Tr 100	41.76	60.76	61.87		61.88	0.000463	0.62	104.62	229.40	0.20
Rio_Funtalanuma	Rio_Funtalanuma	1274	Tr 200	48.59	60.76	61.92		61.93	0.000460	0.64	116.87	232.98	0.20
Rio_Funtalanuma	Rio_Funtalanuma	1274	Tr 500	57.74	60.76	62.00		62.01	0.000417	0.64	135.34	235.40	0.19
Rio_Funtalanuma	Rio_Funtalanuma	1255	Tr 50	35.05	60.54	61.44	61.44	61.54	0.012621	2.05	27.40	130.35	0.90
Rio_Funtalanuma	Rio_Funtalanuma	1255	Tr 100	41.76	60.54	61.47	61.47	61.58	0.011734	2.06	32.19	146.43	0.88
Rio_Funtalanuma	Rio_Funtalanuma	1255	Tr 200	48.59	60.54	61.50	61.50	61.61	0.011842	2.13	35.96	155.24	0.89
Rio_Funtalanuma	Rio_Funtalanuma	1255	Tr 500	57.74	60.54	61.52	61.52	61.65	0.012461	2.26	40.46	168.74	0.92
Rio_Funtalanuma	Rio_Funtalanuma	1223	Tr 50	35.05	60.46	60.68	60.68	60.83	0.017051	1.02	20.45	68.48	0.85
Rio_Funtalanuma	Rio_Funtalanuma	1223	Tr 100	41.76	60.46	60.72	60.72	60.89	0.015995	1.11	23.44	72.66	0.85
Rio_Funtalanuma	Rio_Funtalanuma	1223	Tr 200	48.59	60.46	60.77	60.76	60.94	0.015044	1.19	26.54	76.78	0.84
Rio_Funtalanuma	Rio_Funtalanuma	1223	Tr 500	57.74	60.46	60.83	60.83	61.00	0.013494	1.27	31.87	91.68	0.82
Rio_Funtalanuma	Rio_Funtalanuma	1177	Tr 50	35.05	59.68	60.29	60.10	60.31	0.001804	0.59	65.32	238.38	0.32
Rio_Funtalanuma	Rio_Funtalanuma	1177	Tr 100	41.76	59.68	60.12	60.12	60.22	0.021467	1.63	29.70	169.35	1.03
Rio_Funtalanuma	Rio_Funtalanuma	1177	Tr 200	48.59	59.68	60.37	60.15	60.39	0.001651	0.62	85.12	252.50	0.31
Rio_Funtalanuma	Rio_Funtalanuma	1177	Tr 500	57.74	59.68	60.17	60.18	60.28	0.019098	1.63	39.08	190.36	0.99
Rio_Funtalanuma	Rio_Funtalanuma	1097	Tr 50	35.05	59.35	59.66	59.66	59.75	0.020113	1.24	26.97	155.09	0.95
Rio_Funtalanuma	Rio_Funtalanuma	1097	Tr 100	41.76	59.35	59.69	59.68	59.78	0.019259	1.27	30.65	159.97	0.94
Rio_Funtalanuma	Rio_Funtalanuma	1097	Tr 200	48.59	59.35	59.71	59.71	59.81	0.018750	1.27	34.10	164.50	0.93
Rio_Funtalanuma	Rio_Funtalanuma	1097	Tr 500	57.74	59.35	59.74	59.74	59.85	0.017479	1.25	39.07	170.80	0.90
Rio_Funtalanuma	Rio_Funtalanuma	996	Tr 50	35.05	58.67	59.40	59.20	59.42	0.002257	0.82	51.41	159.39	0.37
Rio_Funtalanuma	Rio_Funtalanuma	996	Tr 100	41.76	58.67	59.23	59.23	59.34	0.018319	1.94	28.59	124.45	1.02
Rio_Funtalanuma	Rio_Funtalanuma	996	Tr 200	48.59	58.67	59.26	59.26	59.38	0.017953	1.99	31.90	128.05	1.01
Rio_Funtalanuma	Rio_Funtalanuma	996	Tr 500	57.74	58.67	59.29	59.29	59.42	0.017695	2.04	35.85	130.59	1.01
Rio_Funtalanuma	Rio_Funtalanuma	856	Tr 50	35.05	57.79	58.38	58.38	58.49	0.015618	2.12	24.50	100.06	1.00
Rio_Funtalanuma	Rio_Funtalanuma	856	Tr 100	41.76	57.79	58.40	58.40	58.53	0.017088	2.29	26.60	101.48	1.05
Rio_Funtalanuma	Rio_Funtalanuma	856	Tr 200	48.59	57.79	58.43	58.43	58.57	0.015883	2.32	30.47	106.25	1.03
Rio_Funtalanuma	Rio_Funtalanuma	856	Tr 500	57.74	57.79	58.47	58.47	58.62	0.015679	2.41	34.46	109.98	1.03
Rio_Funtalanuma	Rio_Funtalanuma	734	Tr 50	35.05	57.05	57.44	57.44	57.56	0.012472	1.25	23.28	100.70	0.79
Rio_Funtalanuma	Rio_Funtalanuma	734	Tr 100	41.76	57.05	57.48	57.48	57.60	0.013308	1.37	26.59	106.86	0.83
Rio_Funtalanuma	Rio_Funtalanuma	734	Tr 200	48.59	57.05	57.51	57.51	57.64	0.014170	1.49	30.01	112.61	0.87
Rio_Funtalanuma	Rio_Funtalanuma	734	Tr 500	57.74	57.05	57.54	57.54	57.69	0.017830	1.76	34.06	114.77	0.98
Rio_Funtalanuma	Rio_Funtalanuma	607	Tr 50	35.05	52.62	56.60	54.40	56.68	0.000867	1.25	29.20	20.56	0.26
Rio_Funtalanuma	Rio_Funtalanuma	607	Tr 100	41.76	52.62	56.68	54.58	56.78	0.001100	1.43	30.99	24.74	0.29
Rio_Funtalanuma	Rio_Funtalanuma	607	Tr 200	48.59	52.62	57.03	54.76	57.10	0.000787	1.27	52.85	96.68	0.25
Rio_Funtalanuma	Rio_Funtalanuma	607	Tr 500	57.74	52.62	56.86	54.99	57.01	0.001605	1.77	38.84	66.15	0.36
Rio_Funtalanuma	Rio_Funtalanuma	381	Tr 50	35.05	55.44	56.37		56.41	0.001826	0.97	42.96	79.43	0.36
Rio_Funtalanuma	Rio_Funtalanuma	381	Tr 100	41.76	55.44	56.38		56.43	0.002431	1.13	43.82	79.49	0.42
Rio_Funtalanuma	Rio_Funtalanuma	381	Tr 200	48.59	55.44	56.17	56.17	56.34	0.015134	2.27	27.36	78.40	0.99
Rio_Funtalanuma	Rio_Funtalanuma	381	Tr 500	57.74	55.44	56.46		56.53	0.003013	1.35	50.07	79.90	0.48
Rio_Funtalanuma	Rio_Funtalanuma	311	Tr 50	35.05	55.08	55.94		56.03	0.007791	1.73	29.23	98.44	0.71
Rio_Funtalanuma	Rio_Funtalanuma	311	Tr 100	41.76	55.08	56.32	55.93	56.34	0.000853	0.79	68.31	111.74	0.26
Rio_Funtalanuma	Rio_Funtalanuma	311	Tr 200	48.59	55.08	55.96	55.96	56.10	0.012809	2.26	30.80	98.84	0.92
Rio_Funtalanuma	Rio_Funtalanuma	311	Tr 500	57.74	55.08	56.11		56.20	0.005492	1.71	45.84	104.91	0.62
Rio_Funtalanuma	Rio_Funtalanuma	208	Tr 50	35.05	54.74	55.55		55.61	0.002420	0.99	34.68	69.68	0.41
Rio_Funtalanuma	Rio_Funtalanuma	208	Tr 100	41.76	54.74	55.31	55.31	55.52	0.015740	2.02	20.55	50.42	0.99
Rio_Funtalanuma	Rio_Funtalanuma	208	Tr 200	48.59	54.74	55.71	55.36	55.77	0.002162	1.09	45.68	73.34	0.40

HEC-RAS Plan: Ottobre_2015 Locations: User Defined (Continued)

River	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
Rio_Funtalanuma	Rio_Funtalanuma	208	Tr 500	57.74	54.74	55.80		55.87	0.002046	1.14	52.44	74.79	0.40
Rio_Funtalanuma	Rio_Funtalanuma	102	Tr 50	35.05	54.22	55.00	54.84	55.11	0.005002	1.32	25.69	55.97	0.58
Rio_Funtalanuma	Rio_Funtalanuma	102	Tr 100	41.76	54.22	55.06	54.91	55.18	0.005007	1.42	29.34	60.20	0.59
Rio_Funtalanuma	Rio_Funtalanuma	102	Tr 200	48.59	54.22	55.12	54.96	55.25	0.005004	1.51	32.75	61.33	0.60
Rio_Funtalanuma	Rio_Funtalanuma	102	Tr 500	57.74	54.22	55.19	55.04	55.33	0.005002	1.62	37.00	62.23	0.61

HEC-RAS Plan: travesa River: Rio_Piscinas Reach: Rio_Piscinas

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
Rio_Piscinas	4232	Tr 50	209.28	80.32	83.58	83.14	83.67	0.000557	2.05	206.52	171.68	0.40
Rio_Piscinas	4232	Tr 100	261.33	80.32	82.85	83.25	84.04	0.008015	6.31	84.58	141.61	1.43
Rio_Piscinas	4232	Tr 200	302.16	80.32	83.58	83.32	83.77	0.001169	2.97	206.10	171.67	0.57
Rio_Piscinas	4232	Tr 500	356.51	80.32	83.05	83.41	84.24	0.008011	6.73	115.66	166.02	1.45
Rio_Piscinas	4156	Tr 50	209.28	79.58	83.62		83.65	0.000175	1.16	322.77	203.28	0.22
Rio_Piscinas	4156	Tr 100	261.33	79.58	83.30	82.71	83.37	0.000544	1.89	256.79	200.23	0.38
Rio_Piscinas	4156	Tr 200	302.16	79.58	83.67		83.73	0.000333	1.62	332.14	203.54	0.30
Rio_Piscinas	4156	Tr 500	356.51	79.58	84.00	82.88	84.05	0.000259	1.54	399.85	204.41	0.27
Rio_Piscinas	4069	Tr 50	209.28	78.74	83.63		83.64	0.000052	0.81	498.70	264.82	0.13
Rio_Piscinas	4069	Tr 100	261.33	78.74	83.32		83.35	0.000136	1.23	416.81	257.64	0.21
Rio_Piscinas	4069	Tr 200	302.16	78.74	83.68		83.71	0.000101	1.13	512.45	265.02	0.18
Rio_Piscinas	4069	Tr 500	356.51	78.74	84.01	82.29	84.04	0.000087	1.11	600.37	266.39	0.17
Rio_Piscinas	4015	Tr 50	209.28	79.11	83.63		83.64	0.000051	0.67	541.33	274.66	0.12
Rio_Piscinas	4015	Tr 100	261.33	79.11	83.32		83.34	0.000132	1.01	458.30	265.90	0.19
Rio_Piscinas	4015	Tr 200	302.16	79.11	83.69		83.70	0.000098	0.94	556.41	276.44	0.16
Rio_Piscinas	4015	Tr 500	356.51	79.11	84.02		84.03	0.000084	0.92	647.94	278.10	0.15
Rio_Piscinas	3973	Tr 50	209.28	78.59	83.63	81.55	83.64	0.000035	0.67	597.55	277.86	0.11
Rio_Piscinas	3973	Tr 100	261.33	78.59	83.32		83.34	0.000087	1.00	512.35	271.55	0.16
Rio_Piscinas	3973	Tr 200	302.16	78.59	83.68		83.70	0.000068	0.94	612.41	278.69	0.15
Rio_Piscinas	3973	Tr 500	356.51	78.59	84.01		84.03	0.000062	0.94	705.60	285.45	0.14
Rio_Piscinas	3940	Tr 50	209.28	78.56	81.25	81.25	81.85	0.006407	4.82	83.17	144.38	1.19
Rio_Piscinas	3940	Tr 100	261.33	78.56	83.32	81.58	83.34	0.000081	0.92	525.54	264.77	0.15
Rio_Piscinas	3940	Tr 200	302.16	78.56	83.68	81.64	83.70	0.000063	0.87	621.98	266.02	0.14
Rio_Piscinas	3940	Tr 500	356.51	78.56	84.01	81.74	84.03	0.000057	0.87	709.98	267.28	0.13
Rio_Piscinas	3895	Tr 50	209.28	78.13	80.99	80.99	81.48	0.003536	4.03	82.38	76.22	0.94
Rio_Piscinas	3895	Tr 100	261.33	78.13	81.16	81.16	81.71	0.003612	4.31	95.71	78.33	0.96
Rio_Piscinas	3895	Tr 200	302.16	78.13	81.27	81.27	81.88	0.003824	4.58	103.80	79.32	1.00
Rio_Piscinas	3895	Tr 500	356.51	78.13	81.43	81.43	82.09	0.003755	4.77	117.09	80.91	1.00
Rio_Piscinas	3866	Tr 50	209.28	78.39	80.68	80.68	81.14	0.002752	3.59	88.92	90.37	0.84
Rio_Piscinas	3866	Tr 100	261.33	78.39	80.88	80.88	81.37	0.002714	3.80	107.50	98.45	0.84
Rio_Piscinas	3866	Tr 200	302.16	78.39	80.99	80.99	81.52	0.002809	4.00	118.35	100.13	0.87
Rio_Piscinas	3866	Tr 500	356.51	78.39	81.01	81.14	81.72	0.003669	4.62	121.20	102.14	0.99
Rio_Piscinas	3552	Tr 50	209.28	75.86	78.31	78.31	78.74	0.003356	3.83	90.38	90.58	0.91
Rio_Piscinas	3552	Tr 100	261.33	75.86	78.65	78.45	79.00	0.002288	3.55	121.83	97.83	0.77
Rio_Piscinas	3552	Tr 200	302.16	75.86	78.67	78.53	79.12	0.002940	4.04	123.54	98.12	0.88
Rio_Piscinas	3552	Tr 500	356.51	75.86	78.71	78.71	79.29	0.003757	4.62	127.33	98.78	1.00
Rio_Piscinas	3487	Tr 50	209.28	75.38	78.51	78.01	78.57	0.000597	1.78	231.60	226.51	0.38
Rio_Piscinas	3487	Tr 100	261.33	75.38	78.91	78.08	78.95	0.000342	1.51	324.63	239.21	0.30
Rio_Piscinas	3487	Tr 200	302.16	75.38	79.02		79.07	0.000357	1.58	351.07	239.43	0.31
Rio_Piscinas	3487	Tr 500	356.51	75.38	79.19	78.26	79.24	0.000352	1.64	391.45	239.77	0.31
Rio_Piscinas	3437	Tr 50	209.28	75.22	78.36	77.79	78.45	0.000593	1.96	188.96	140.61	0.40
Rio_Piscinas	3437	Tr 100	261.33	75.22	78.75		78.83	0.000423	1.82	244.40	143.36	0.34
Rio_Piscinas	3437	Tr 200	302.16	75.22	78.80		78.89	0.000520	2.04	251.30	143.73	0.38
Rio_Piscinas	3437	Tr 500	356.51	75.22	78.88		79.00	0.000627	2.29	263.46	144.61	0.42
Rio_Piscinas	3349	Tr 50	209.28	74.83	78.39		78.42	0.000181	1.22	277.83	144.89	0.23
Rio_Piscinas	3349	Tr 100	261.33	74.83	78.77		78.80	0.000165	1.27	340.85	184.70	0.22
Rio_Piscinas	3349	Tr 200	302.16	74.83	78.82		78.87	0.000207	1.43	350.80	193.60	0.25
Rio_Piscinas	3349	Tr 500	356.51	74.83	78.91		78.97	0.000254	1.62	368.63	202.78	0.28
Rio_Piscinas	3257	Tr 50	209.28	75.68	78.36		78.40	0.000205	1.16	245.73	107.81	0.24
Rio_Piscinas	3257	Tr 100	261.33	75.68	78.72		78.76	0.000205	1.27	285.50	112.23	0.24
Rio_Piscinas	3257	Tr 200	302.16	75.68	78.75		78.81	0.000263	1.45	289.28	112.80	0.28
Rio_Piscinas	3257	Tr 500	356.51	75.68	78.81		78.89	0.000345	1.69	295.59	113.75	0.32
Rio_Piscinas	3181	Tr 50	209.28	74.01	78.37		78.39	0.000070	0.92	389.09	166.34	0.15
Rio_Piscinas	3181	Tr 100	261.33	74.01	78.73		78.76	0.000070	0.98	450.61	170.21	0.15
Rio_Piscinas	3181	Tr 200	302.16	74.01	78.77		78.80	0.000090	1.11	457.16	170.59	0.17
Rio_Piscinas	3181	Tr 500	356.51	74.01	78.84		78.87	0.000117	1.28	467.92	171.14	0.20
Rio_Piscinas	3146	Tr 50	209.28	74.07	76.84	76.84	77.24	0.002293	3.63	104.40	137.32	0.78
Rio_Piscinas	3146	Tr 100	261.33	74.07	78.72	77.05	78.75	0.000088	1.07	449.00	199.97	0.17
Rio_Piscinas	3146	Tr 200	302.16	74.07	78.76	77.15	78.79	0.000112	1.22	456.15	200.36	0.19
Rio_Piscinas	3146	Tr 500	356.51	74.07	78.82	77.30	78.86	0.000144	1.40	468.20	201.11	0.22
Rio_Piscinas	3125	Tr 50	209.28	73.85	76.56	76.56	76.97	0.002918	3.80	96.63	100.88	0.86
Rio_Piscinas	3125	Tr 100	261.33	73.85	76.63	76.63	77.17	0.003770	4.42	103.83	108.85	0.99
Rio_Piscinas	3125	Tr 200	302.16	73.85	76.83	76.83	77.34	0.003298	4.40	126.59	121.05	0.94
Rio_Piscinas	3125	Tr 500	356.51	73.85	77.02	77.02	77.51	0.002962	4.40	150.92	131.37	0.90
Rio_Piscinas	3072	Tr 50	209.28	73.34	76.22	76.22	76.65	0.002640	3.60	96.15	103.89	0.82
Rio_Piscinas	3072	Tr 100	261.33	73.34	76.80	76.41	77.01	0.001108	2.76	164.92	132.46	0.55
Rio_Piscinas	3072	Tr 200	302.16	73.34	76.48	76.48	77.01	0.002963	4.14	124.98	118.62	0.88
Rio_Piscinas	3072	Tr 500	356.51	73.34	76.63	76.63	77.18	0.002958	4.32	143.43	126.79	0.89

HEC-RAS Plan: travesa River: Rio_Piscinas Reach: Rio_Piscinas (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
Rio_Piscinas	3021	Tr 50	209.28	72.98	75.59	75.59	75.91	0.002634	3.46	116.91	152.15	0.81
Rio_Piscinas	3021	Tr 100	261.33	72.98	76.96	75.72	76.99	0.000179	1.30	350.32	184.73	0.23
Rio_Piscinas	3021	Tr 200	302.16	72.98	75.80	75.80	76.17	0.002864	3.87	149.16	160.30	0.86
Rio_Piscinas	3021	Tr 500	356.51	72.98	75.88	75.88	76.30	0.003108	4.14	162.72	161.46	0.90
Rio_Piscinas	2980	Tr 50	209.28	72.72	75.31	75.31	75.67	0.002568	3.58	107.39	121.74	0.81
Rio_Piscinas	2980	Tr 100	261.33	72.72	75.43	75.43	75.84	0.002841	3.91	122.07	124.33	0.86
Rio_Piscinas	2980	Tr 200	302.16	72.72	75.85	75.52	76.08	0.001345	3.04	176.00	130.76	0.61
Rio_Piscinas	2980	Tr 500	356.51	72.72	76.17	75.64	76.37	0.000995	2.83	218.75	135.90	0.54
Rio_Piscinas	2937	Tr 50	209.28	72.63	75.33	74.67	75.41	0.000625	1.91	187.65	133.76	0.41
Rio_Piscinas	2937	Tr 100	261.33	72.63	75.68	74.78	75.76	0.000487	1.85	234.27	136.27	0.37
Rio_Piscinas	2937	Tr 200	302.16	72.63	75.98		76.05	0.000393	1.79	276.09	143.54	0.34
Rio_Piscinas	2937	Tr 500	356.51	72.63	76.26		76.34	0.000376	1.86	317.90	151.91	0.34
Rio_Piscinas	2870	Tr 50	209.28	72.01	75.32	74.37	75.38	0.000330	1.59	222.21	134.48	0.31
Rio_Piscinas	2870	Tr 100	261.33	72.01	75.67	74.50	75.73	0.000298	1.63	270.02	144.78	0.30
Rio_Piscinas	2870	Tr 200	302.16	72.01	75.97	74.58	76.03	0.000260	1.62	315.18	152.78	0.28
Rio_Piscinas	2870	Tr 500	356.51	72.01	76.25	74.69	76.32	0.000247	1.67	359.48	157.23	0.28
Rio_Piscinas	2772	Tr 50	209.28	71.30	73.76	73.76	74.19	0.003860	4.05	88.76	90.82	0.96
Rio_Piscinas	2772	Tr 100	261.33	71.30	73.91	73.91	74.39	0.003978	4.34	102.79	93.84	0.99
Rio_Piscinas	2772	Tr 200	302.16	71.30	74.02	74.02	74.55	0.004151	4.59	113.37	99.04	1.02
Rio_Piscinas	2772	Tr 500	356.51	71.30	74.16	74.16	74.73	0.004160	4.80	127.47	102.22	1.03
Rio_Piscinas	2693	Tr 50	209.28	70.57	73.31	73.31	73.72	0.003009	3.75	95.68	99.74	0.87
Rio_Piscinas	2693	Tr 100	261.33	70.57	73.45	73.45	73.91	0.003200	4.05	109.88	102.14	0.90
Rio_Piscinas	2693	Tr 200	302.16	70.57	73.55	73.55	74.05	0.003337	4.27	120.12	103.93	0.93
Rio_Piscinas	2693	Tr 500	356.51	70.57	73.68	73.68	74.23	0.003419	4.50	134.48	107.84	0.95
Rio_Piscinas	2573	Tr 50	209.28	69.99	72.43	72.43	72.82	0.003608	4.18	97.45	107.70	0.95
Rio_Piscinas	2573	Tr 100	261.33	69.99	72.58	72.58	73.00	0.003608	4.39	114.26	115.10	0.96
Rio_Piscinas	2573	Tr 200	302.16	69.99	72.63	72.63	73.13	0.004182	4.80	120.21	116.95	1.03
Rio_Piscinas	2573	Tr 500	356.51	69.99	73.47	72.81	73.64	0.001028	2.95	226.35	140.23	0.54
Rio_Piscinas	2470	Tr 50	209.28	68.73	71.65	71.65	72.03	0.002436	3.39	104.72	120.81	0.78
Rio_Piscinas	2470	Tr 100	261.33	68.73	71.79	71.79	72.21	0.002594	3.66	121.07	122.91	0.82
Rio_Piscinas	2470	Tr 200	302.16	68.73	71.75	71.88	72.36	0.003847	4.40	116.45	122.39	0.99
Rio_Piscinas	2470	Tr 500	356.51	68.73	71.99	71.99	72.49	0.002856	4.09	146.65	125.55	0.87
Rio_Piscinas	2391	Tr 50	209.28	68.44	71.18	70.61	71.23	0.000457	1.77	245.48	200.96	0.36
Rio_Piscinas	2391	Tr 100	261.33	68.44	71.41	70.69	71.46	0.000417	1.79	291.62	203.30	0.35
Rio_Piscinas	2391	Tr 200	302.16	68.44	71.12	70.75	71.23	0.001122	2.72	233.01	200.51	0.56
Rio_Piscinas	2391	Tr 500	356.51	68.44	72.15	70.82	72.19	0.000205	1.47	444.65	210.39	0.25
Rio_Piscinas	2314	Tr 50	209.28	67.22	70.25	70.25	70.52	0.001775	3.08	142.66	206.24	0.68
Rio_Piscinas	2314	Tr 100	261.33	67.22	70.34	70.34	70.64	0.002034	3.39	160.60	206.93	0.73
Rio_Piscinas	2314	Tr 200	302.16	67.22	71.12		71.19	0.000357	1.74	324.81	211.49	0.32
Rio_Piscinas	2314	Tr 500	356.51	67.22	72.15		72.18	0.000100	1.12	545.32	217.47	0.18
Rio_Piscinas	2249	Tr 50	209.28	66.90	69.42	69.42	69.74	0.002837	3.40	111.58	153.27	0.83
Rio_Piscinas	2249	Tr 100	261.33	66.90	69.54	69.54	69.89	0.003046	3.67	129.61	165.96	0.87
Rio_Piscinas	2249	Tr 200	302.16	66.90	71.15		71.18	0.000127	1.14	446.48	204.91	0.20
Rio_Piscinas	2249	Tr 500	356.51	66.90	72.15		72.17	0.000053	0.88	659.29	215.95	0.13
Rio_Piscinas	2130	Tr 50	209.28	65.07	69.73	68.15	69.76	0.000087	1.02	363.42	180.76	0.16
Rio_Piscinas	2130	Tr 100	261.33	65.07	69.75	68.31	69.79	0.000133	1.27	366.77	181.86	0.20
Rio_Piscinas	2130	Tr 200	302.16	65.07	71.15		71.17	0.000037	0.82	642.32	210.17	0.11
Rio_Piscinas	2130	Tr 500	356.51	65.07	72.16		72.17	0.000022	0.70	857.02	217.88	0.09
Rio_Piscinas	2000	Tr 50	209.28	64.40	69.74		69.75	0.000025	0.61	583.90	214.67	0.09
Rio_Piscinas	2000	Tr 100	261.33	64.40	69.77		69.78	0.000037	0.75	589.28	214.95	0.11
Rio_Piscinas	2000	Tr 200	302.16	64.40	71.16		71.17	0.000014	0.55	901.92	231.47	0.07
Rio_Piscinas	2000	Tr 500	356.51	64.40	72.16		72.16	0.000010	0.52	1145.20	251.29	0.06
Rio_Piscinas	1936	Tr 50	209.28	62.71	69.74		69.75	0.000014	0.58	698.61	255.09	0.07
Rio_Piscinas	1936	Tr 100	261.33	62.71	69.77	66.38	69.78	0.000022	0.71	705.02	255.38	0.09
Rio_Piscinas	1936	Tr 200	302.16	62.71	71.16		71.16	0.000009	0.53	1085.78	309.77	0.06
Rio_Piscinas	1936	Tr 500	356.51	62.71	72.16		72.16	0.000007	0.49	1464.91	427.00	0.05
Rio_Piscinas	1883	Tr 50	209.28	62.41	69.72	64.57	69.73	0.000015	0.62	594.33	255.69	0.08
Rio_Piscinas	1883	Tr 100	261.33	62.41	69.73	64.88	69.75	0.000023	0.77	597.59	256.34	0.09
Rio_Piscinas	1883	Tr 200	302.16	62.41	71.15	65.09	71.16	0.000009	0.55	1088.22	401.34	0.06
Rio_Piscinas	1883	Tr 500	356.51	62.41	72.15	65.34	72.16	0.000006	0.48	1542.44	472.92	0.05
Rio_Piscinas	1880		Bridge									
Rio_Piscinas	1858	Tr 50	209.28	62.38	65.08	65.08	66.08	0.003286	4.56	50.95	27.04	0.94
Rio_Piscinas	1858	Tr 100	261.33	62.38	69.73	65.42	69.74	0.000018	0.68	827.15	349.24	0.08
Rio_Piscinas	1858	Tr 200	302.16	62.38	65.58	65.58	66.90	0.003426	5.29	65.07	29.09	0.99
Rio_Piscinas	1858	Tr 500	356.51	62.38	66.45	66.45	67.22	0.001578	4.28	128.31	102.08	0.70
Rio_Piscinas	1827	Tr 50	209.28	62.10	65.45	65.07	66.14	0.001935	3.88	62.87	39.56	0.74
Rio_Piscinas	1827	Tr 100	261.33	62.10	65.45	65.45	66.53	0.003009	4.84	62.96	39.75	0.92
Rio_Piscinas	1827	Tr 200	302.16	62.10	66.10	66.10	66.69	0.001465	3.88	130.29	127.22	0.67

HEC-RAS Plan: traversa River: Rio_Piscinas Reach: Rio_Piscinas (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
Rio_Piscinas	1827	Tr 500	356.51	62.10	66.30	66.30	66.88	0.001434	3.99	157.25	141.75	0.67
Rio_Piscinas	1796	Tr 50	209.28	62.07	65.56	65.56	66.09	0.001377	3.52	92.74	133.55	0.64
Rio_Piscinas	1796	Tr 100	261.33	62.07	65.33	65.84	66.42	0.002989	4.92	67.34	78.00	0.93
Rio_Piscinas	1796	Tr 200	302.16	62.07	65.97	65.97	66.45	0.001276	3.67	155.36	164.41	0.63
Rio_Piscinas	1796	Tr 500	356.51	62.07	66.11	66.11	66.61	0.001349	3.88	178.91	174.07	0.65
Rio_Piscinas	1687	Tr 50	209.28	61.46	65.31	64.23	65.41	0.000419	1.72	232.08	327.81	0.34
Rio_Piscinas	1687	Tr 100	261.33	61.46	65.38	65.08	65.51	0.000541	1.99	254.89	342.96	0.39
Rio_Piscinas	1687	Tr 200	302.16	61.46	65.42	65.18	65.58	0.000655	2.20	267.59	350.62	0.43
Rio_Piscinas	1687	Tr 500	356.51	61.46	65.02	65.28	65.75	0.002764	4.12	144.25	274.62	0.86
Rio_Piscinas	1559	Tr 50	209.28	60.66	65.40		65.40	0.000034	0.69	686.54	444.68	0.11
Rio_Piscinas	1559	Tr 100	261.33	60.66	65.49	64.16	65.50	0.000047	0.82	727.21	453.24	0.12
Rio_Piscinas	1559	Tr 200	302.16	60.66	65.54		65.56	0.000057	0.91	753.88	461.54	0.14
Rio_Piscinas	1559	Tr 500	356.51	60.66	65.62	64.33	65.64	0.000070	1.02	789.87	477.51	0.15
Rio_Piscinas	1488	Tr 50	209.28	60.29	65.40		65.40	0.000014	0.44	987.61	492.87	0.07
Rio_Piscinas	1488	Tr 100	261.33	60.29	65.49		65.50	0.000019	0.52	1033.26	504.91	0.08
Rio_Piscinas	1488	Tr 200	302.16	60.29	65.55		65.56	0.000024	0.60	1063.50	515.59	0.09
Rio_Piscinas	1488	Tr 500	356.51	60.29	65.63		65.64	0.000030	0.67	1103.60	517.31	0.10
Rio_Piscinas	1472	Tr 50	209.28	60.16	65.40	63.59	65.40	0.000013	0.44	1021.85	516.40	0.07
Rio_Piscinas	1472	Tr 100	261.33	60.16	65.49	63.70	65.50	0.000018	0.52	1069.45	522.38	0.08
Rio_Piscinas	1472	Tr 200	302.16	60.16	65.55	63.76	65.56	0.000022	0.58	1100.49	524.67	0.09
Rio_Piscinas	1472	Tr 500	356.51	60.16	65.63	63.83	65.63	0.000028	0.66	1141.48	531.12	0.10
Rio_Piscinas	1460		Inl Struct									
Rio_Piscinas	1438	Tr 50	209.28	60.03	63.32	63.32	63.55	0.001191	2.71	183.91	373.09	0.56
Rio_Piscinas	1438	Tr 100	261.33	60.03	63.42	63.42	63.65	0.001236	2.84	221.37	376.40	0.57
Rio_Piscinas	1438	Tr 200	302.16	60.03	63.47	63.47	63.71	0.001352	3.01	241.02	377.92	0.60
Rio_Piscinas	1438	Tr 500	356.51	60.03	63.54	63.54	63.80	0.001472	3.20	266.56	384.27	0.63
Rio_Piscinas	1377	Tr 50	209.28	59.44	63.03	62.88	63.14	0.000597	1.89	251.87	462.23	0.40
Rio_Piscinas	1377	Tr 100	261.33	59.44	63.17	62.98	63.27	0.000556	1.90	317.89	486.81	0.39
Rio_Piscinas	1377	Tr 200	302.16	59.44	63.25	63.03	63.35	0.000550	1.93	360.34	495.79	0.39
Rio_Piscinas	1377	Tr 500	356.51	59.44	63.36	63.10	63.45	0.000540	1.97	413.52	501.07	0.39
Rio_Piscinas	1275	Tr 50	209.28	59.41	63.11		63.12	0.000071	0.75	584.23	479.38	0.14
Rio_Piscinas	1275	Tr 100	261.33	59.41	63.23		63.25	0.000083	0.83	643.08	482.86	0.16
Rio_Piscinas	1275	Tr 200	302.16	59.41	63.31		63.33	0.000093	0.90	681.68	484.35	0.17
Rio_Piscinas	1275	Tr 500	356.51	59.41	63.41		63.43	0.000105	0.97	729.90	486.03	0.18
Rio_Piscinas	1189	Tr 50	209.28	58.84	63.11		63.12	0.000031	0.58	780.68	502.41	0.10
Rio_Piscinas	1189	Tr 100	261.33	58.84	63.24		63.24	0.000039	0.67	842.91	514.91	0.11
Rio_Piscinas	1189	Tr 200	302.16	58.84	63.32		63.32	0.000045	0.73	884.13	517.75	0.12
Rio_Piscinas	1189	Tr 500	356.51	58.84	63.42		63.43	0.000053	0.80	936.11	540.19	0.13
Rio_Piscinas	1127	Tr 50	209.28	58.10	63.11	60.69	63.12	0.000022	0.52	867.05	564.45	0.08
Rio_Piscinas	1127	Tr 100	261.33	58.10	63.23	61.01	63.24	0.000028	0.61	936.50	590.16	0.10
Rio_Piscinas	1127	Tr 200	302.16	58.10	63.31	61.22	63.32	0.000033	0.67	983.76	606.04	0.10
Rio_Piscinas	1127	Tr 500	356.51	58.10	63.41	61.77	63.42	0.000040	0.74	1044.31	621.81	0.11
Rio_Piscinas	1120		Inl Struct									
Rio_Piscinas	1098	Tr 50	209.28	58.07	60.90	60.90	61.15	0.001380	2.65	157.97	295.68	0.59
Rio_Piscinas	1098	Tr 100	261.33	58.07	60.99	60.99	61.26	0.001562	2.89	183.60	301.04	0.64
Rio_Piscinas	1098	Tr 200	302.16	58.07	61.03	61.03	61.34	0.001790	3.14	196.59	303.63	0.68
Rio_Piscinas	1098	Tr 500	356.51	58.07	61.14	61.14	61.43	0.001698	3.17	231.65	325.06	0.67
Rio_Piscinas	1049	Tr 50	209.28	57.75	60.65	60.65	60.85	0.001467	2.57	175.03	342.83	0.60
Rio_Piscinas	1049	Tr 100	261.33	57.75	60.71	60.71	60.95	0.001729	2.86	196.84	343.62	0.66
Rio_Piscinas	1049	Tr 200	302.16	57.75	60.77	60.77	61.02	0.001796	2.97	217.82	344.69	0.67
Rio_Piscinas	1049	Tr 500	356.51	57.75	60.83	60.83	61.10	0.002007	3.20	237.59	347.98	0.72
Rio_Piscinas	919	Tr 50	209.28	56.38	59.93	59.93	60.10	0.001590	2.97	197.45	419.16	0.60
Rio_Piscinas	919	Tr 100	261.33	56.38	59.99	59.99	60.18	0.001840	3.24	222.68	427.00	0.65
Rio_Piscinas	919	Tr 200	302.16	56.38	60.01	60.01	60.23	0.002176	3.55	233.83	436.16	0.71
Rio_Piscinas	919	Tr 500	356.51	56.38	60.06	60.06	60.31	0.002496	3.85	253.13	450.06	0.76
Rio_Piscinas	818	Tr 50	209.28	56.22	59.27	59.27	59.44	0.002743	3.08	163.03	372.31	0.74
Rio_Piscinas	818	Tr 100	261.33	56.22	59.33	59.33	59.52	0.003017	3.31	187.16	386.56	0.78
Rio_Piscinas	818	Tr 200	302.16	56.22	59.38	59.38	59.58	0.003229	3.48	203.79	396.94	0.81
Rio_Piscinas	818	Tr 500	356.51	56.22	59.39	59.39	59.65	0.004196	3.98	209.31	403.51	0.92
Rio_Piscinas	690	Tr 50	209.28	55.71	58.39	58.39	58.57	0.002789	3.09	155.91	322.68	0.76
Rio_Piscinas	690	Tr 100	261.33	55.71	58.45	58.45	58.65	0.003093	3.32	179.47	384.25	0.81
Rio_Piscinas	690	Tr 200	302.16	55.71	58.50	58.50	58.71	0.003189	3.44	200.53	420.61	0.82
Rio_Piscinas	690	Tr 500	356.51	55.71	58.47	58.58	58.81	0.005366	4.40	184.85	392.90	1.06
Rio_Piscinas	591	Tr 50	209.28	55.52	57.51	57.51	57.66	0.005506	3.03	152.16	431.01	1.02
Rio_Piscinas	591	Tr 100	261.33	55.52	57.57	57.57	57.73	0.005804	3.24	176.81	445.50	1.06
Rio_Piscinas	591	Tr 200	302.16	55.52	57.60	57.60	57.78	0.006194	3.42	191.46	456.48	1.10
Rio_Piscinas	591	Tr 500	356.51	55.52	57.63	57.63	57.84	0.007155	3.74	203.61	465.22	1.18

HEC-RAS Plan: traversa River: Rio_Piscinas Reach: Rio_Piscinas (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio_Piscinas	435	Tr 50	209.28	54.42	56.57	56.57	56.72	0.004294	3.00	161.34	440.07	0.93
Rio_Piscinas	435	Tr 100	261.33	54.42	56.61	56.61	56.79	0.005184	3.34	177.01	451.80	1.03
Rio_Piscinas	435	Tr 200	302.16	54.42	56.66	56.67	56.84	0.005275	3.42	198.78	462.22	1.04
Rio_Piscinas	435	Tr 500	356.51	54.42	56.71	56.71	56.90	0.005124	3.45	224.05	465.37	1.03
Rio_Piscinas	280	Tr 50	209.28	53.31	55.53	55.51	55.65	0.003042	2.64	186.00	460.24	0.79
Rio_Piscinas	280	Tr 100	261.33	53.31	55.55	55.55	55.71	0.003960	3.04	197.62	460.74	0.91
Rio_Piscinas	280	Tr 200	302.16	53.31	55.71	55.59	55.80	0.002061	2.33	269.23	470.22	0.66
Rio_Piscinas	280	Tr 500	356.51	53.31	55.63	55.63	55.81	0.004570	3.36	231.40	463.65	0.98
Rio_Piscinas	99	Tr 50	209.28	53.44	54.25	54.25	54.47	0.008921	2.24	107.37	252.78	1.16
Rio_Piscinas	99	Tr 100	261.33	53.44	54.33	54.33	54.56	0.008205	2.44	129.33	288.67	1.15
Rio_Piscinas	99	Tr 200	302.16	53.44	54.39	54.39	54.64	0.008351	2.65	145.13	311.30	1.18
Rio_Piscinas	99	Tr 500	356.51	53.44	54.47	54.47	54.72	0.007740	2.81	171.28	330.10	1.16