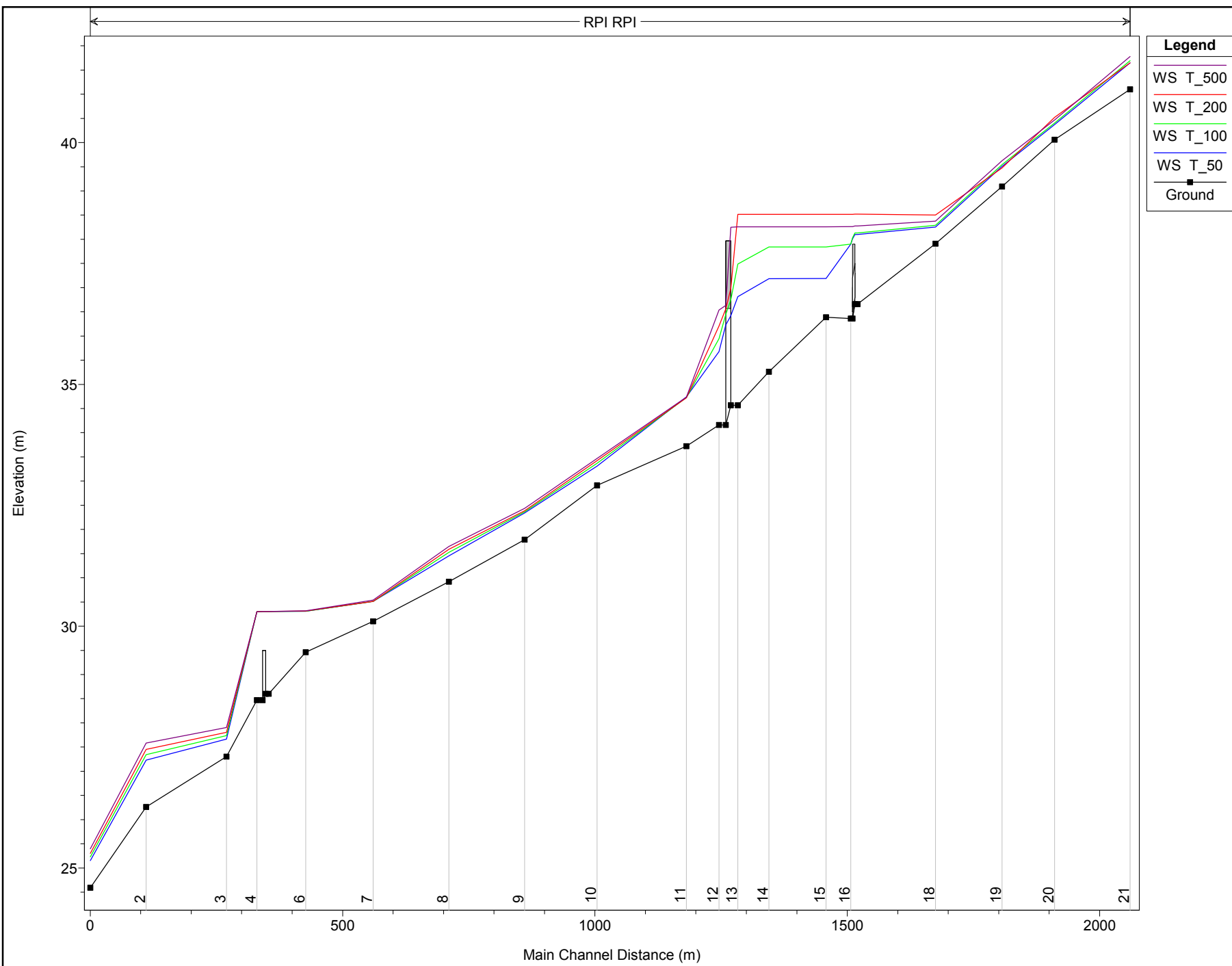
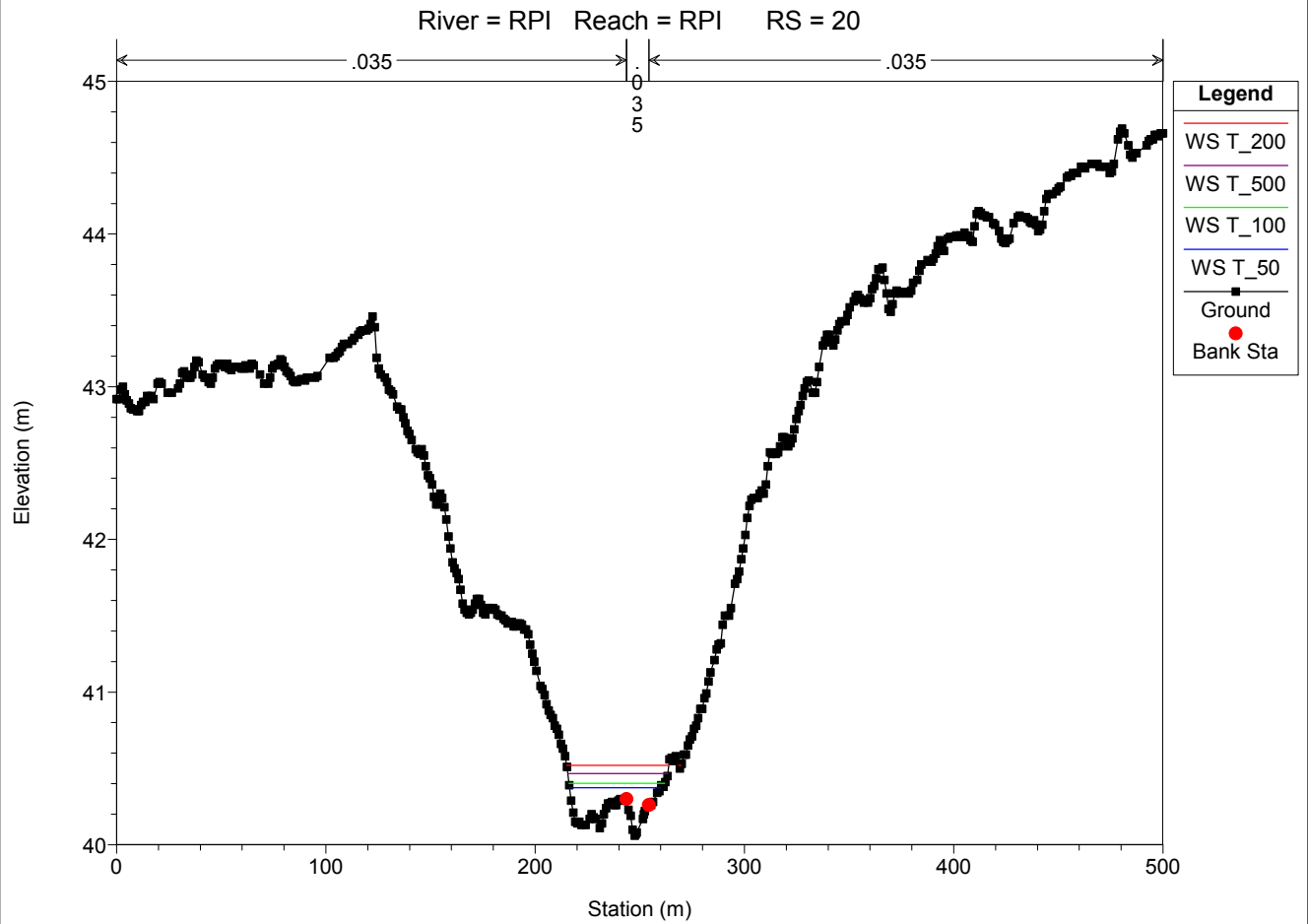
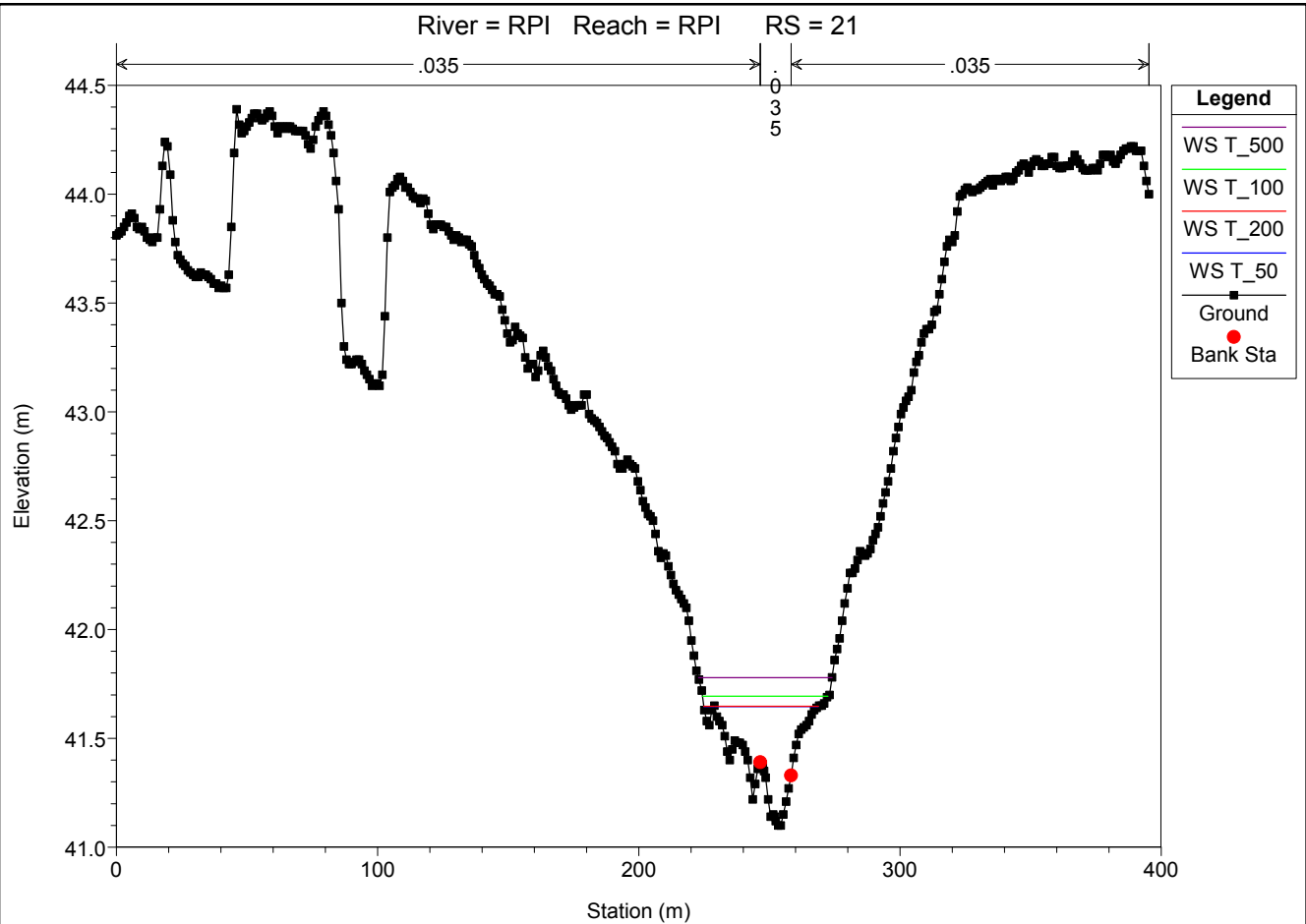


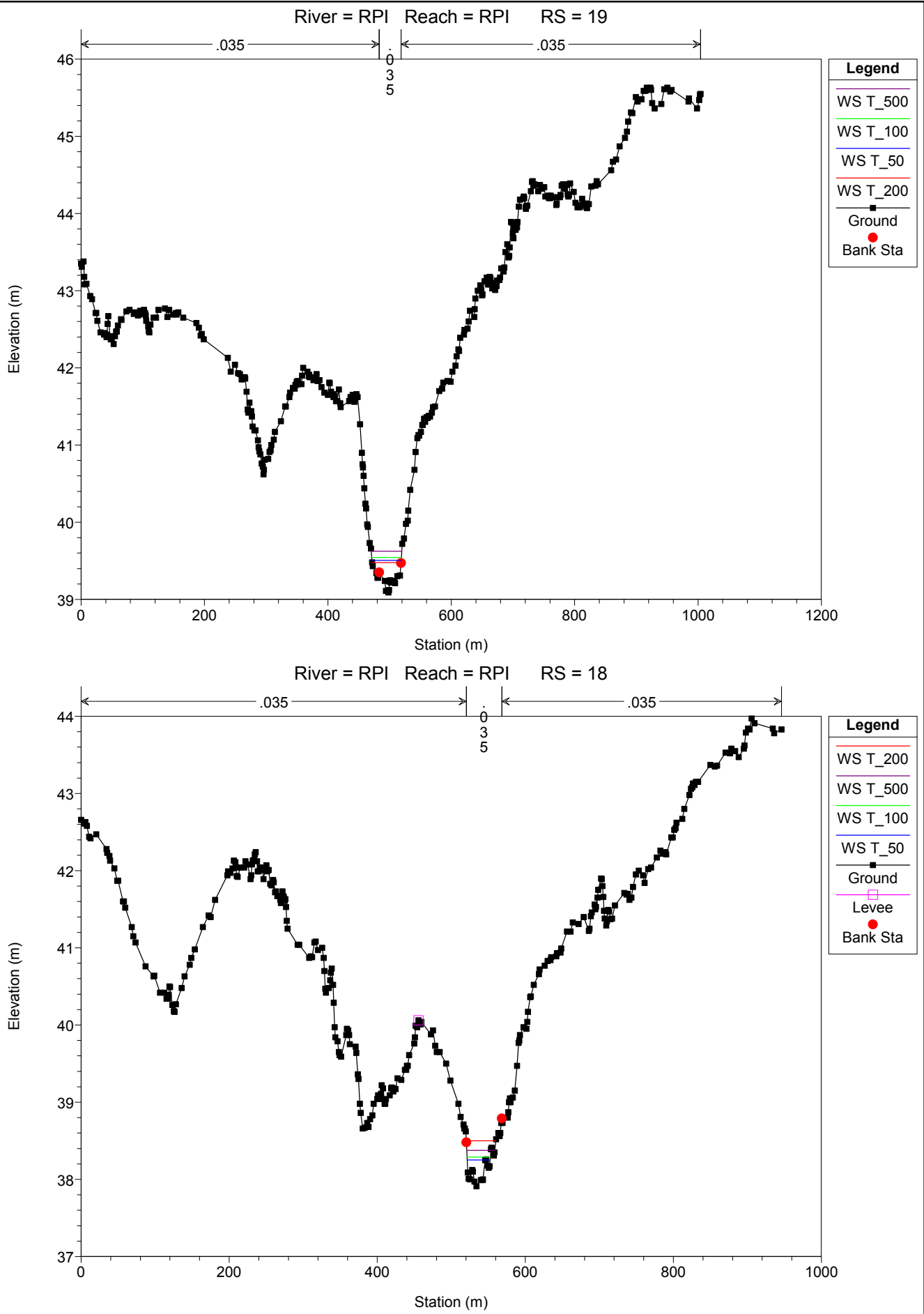
Riu Roia Pibera

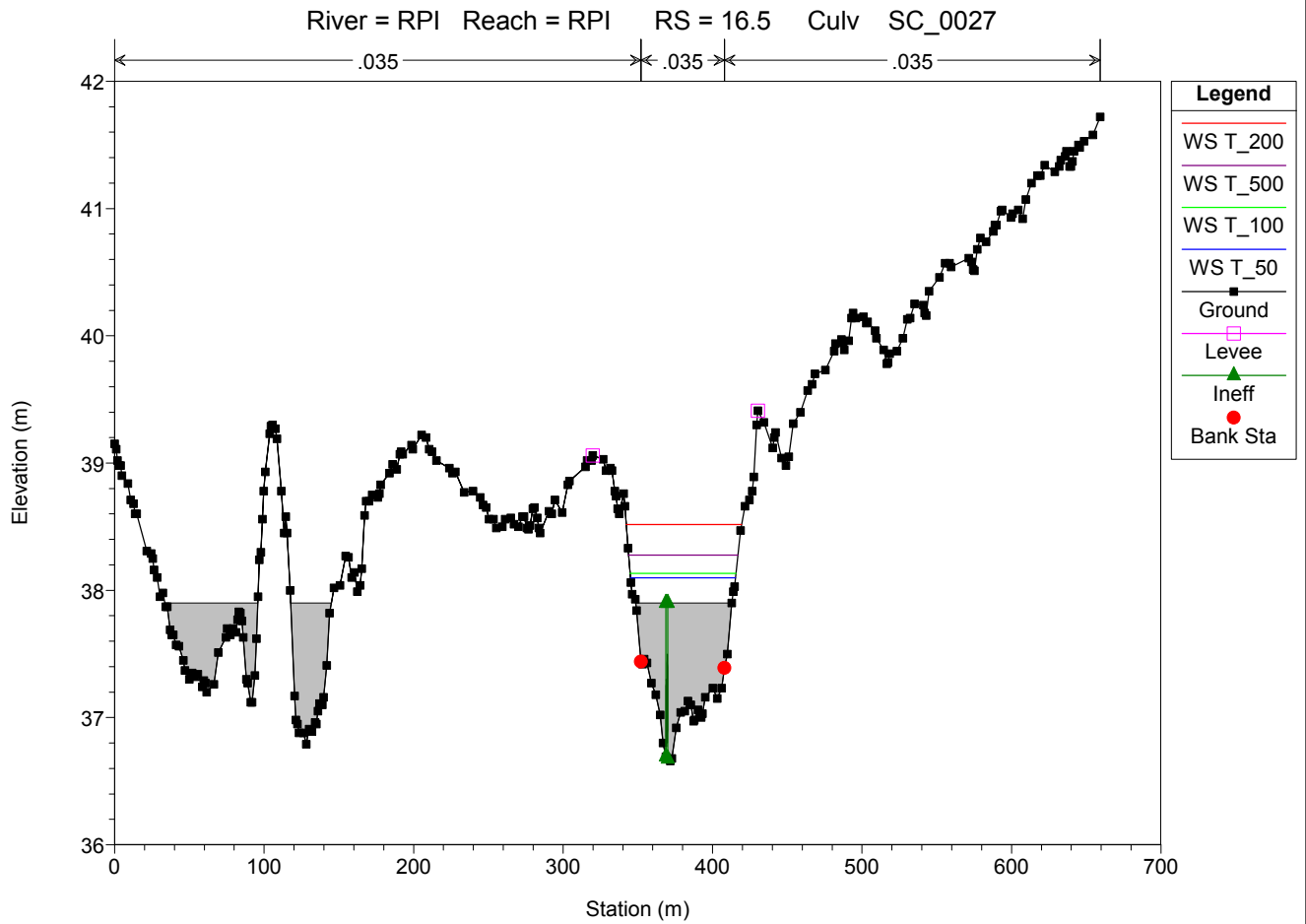
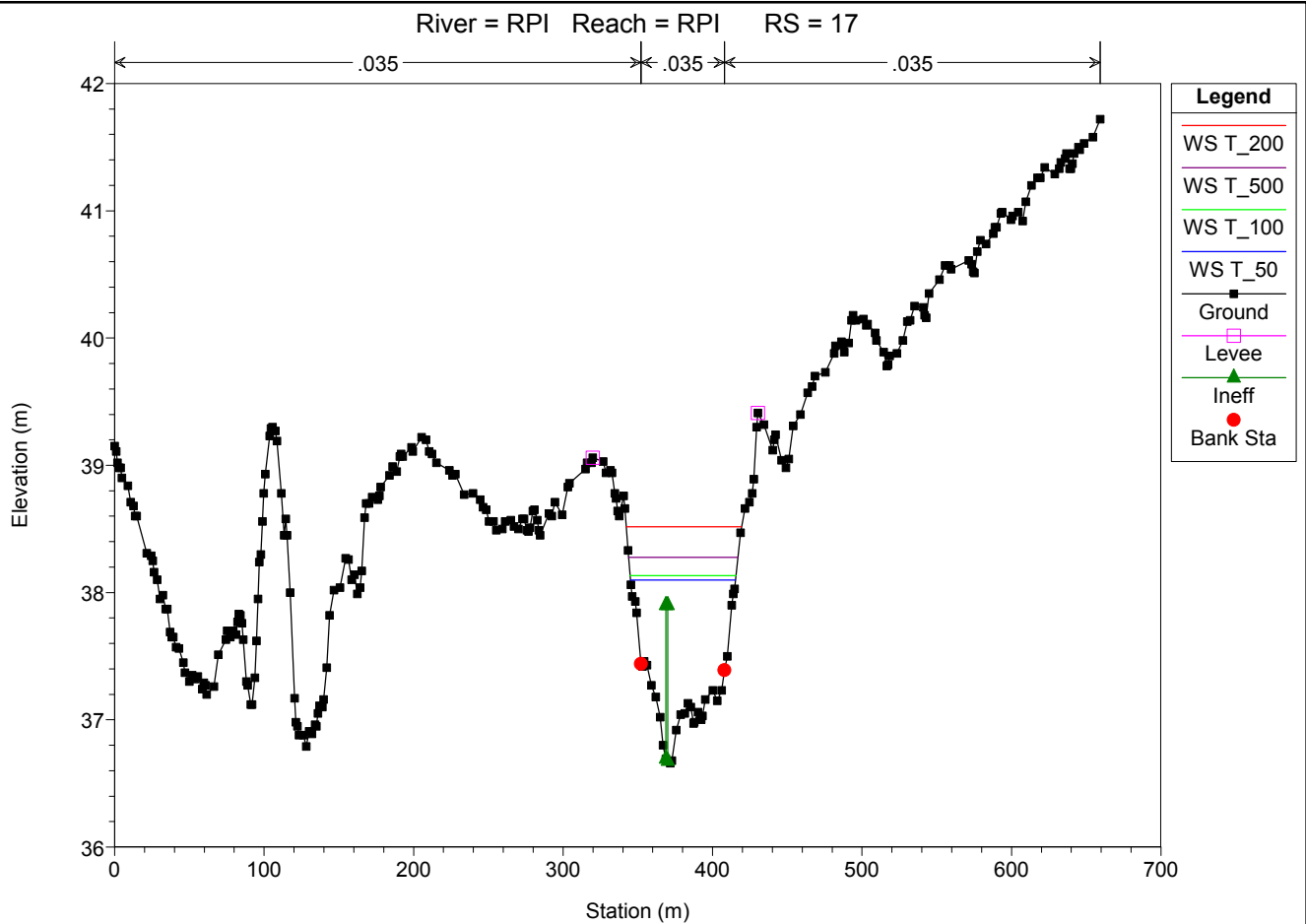
Profili di corrente per i tempi di ritorno di 50, 100, 200 e 500 anni

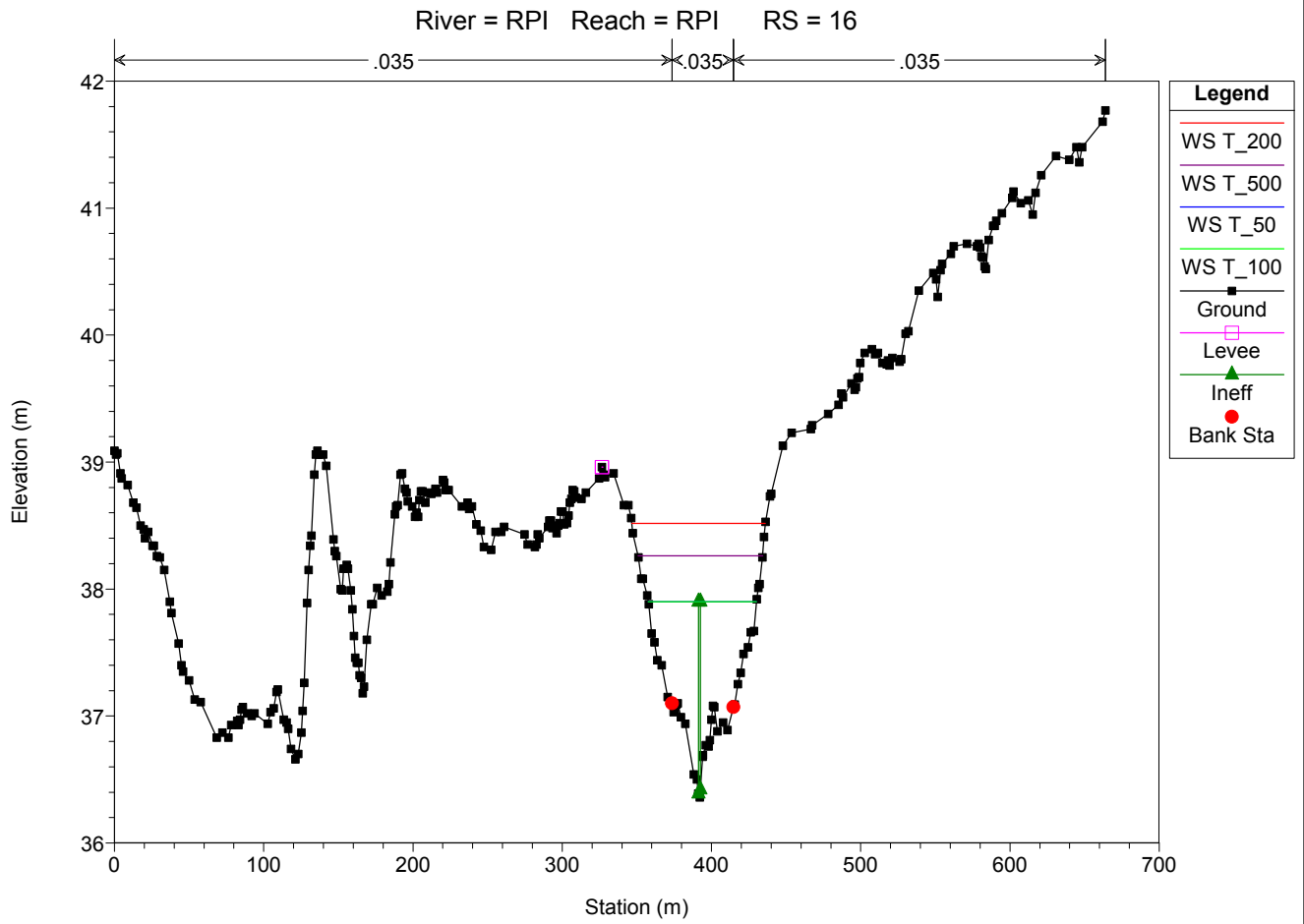
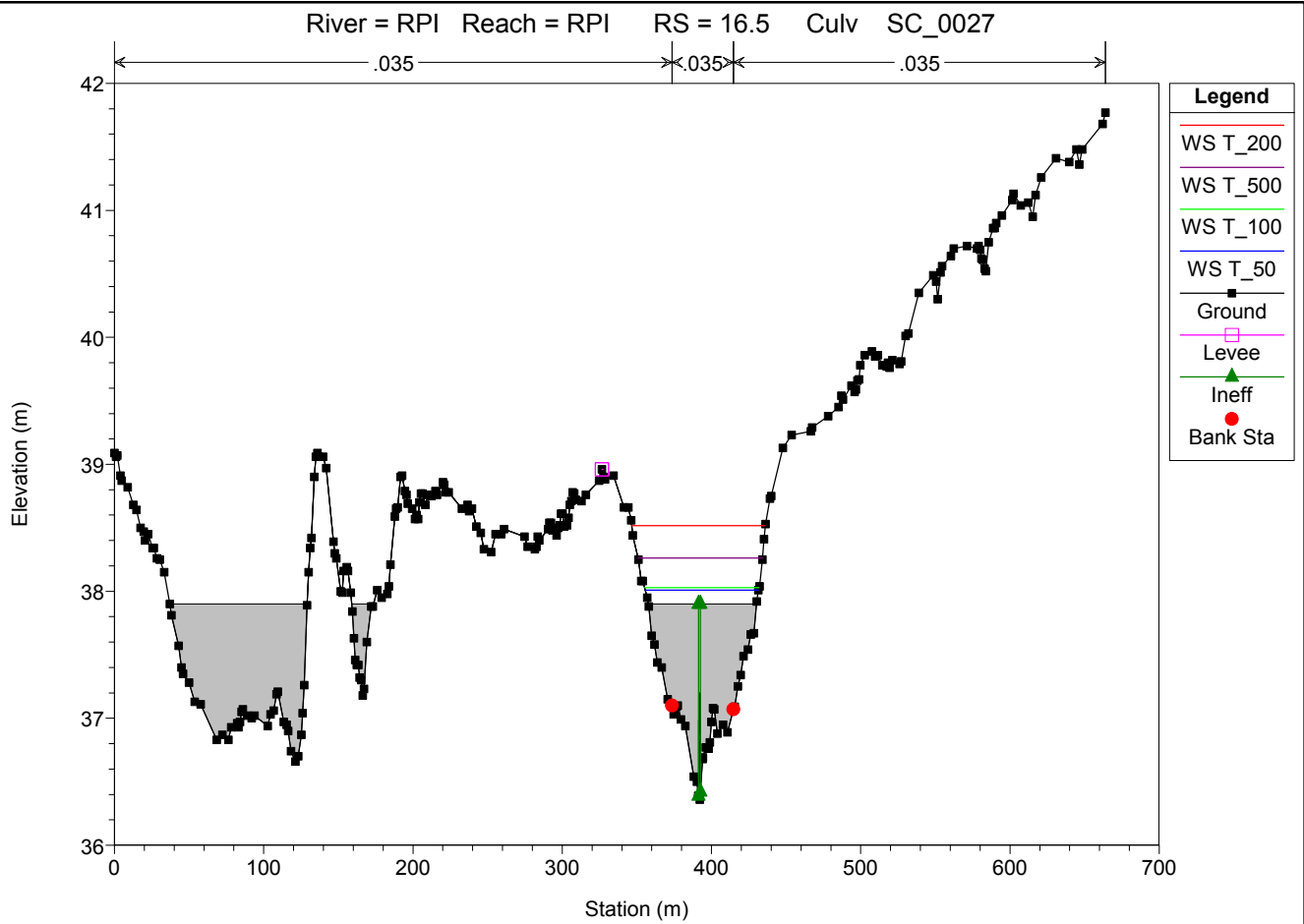


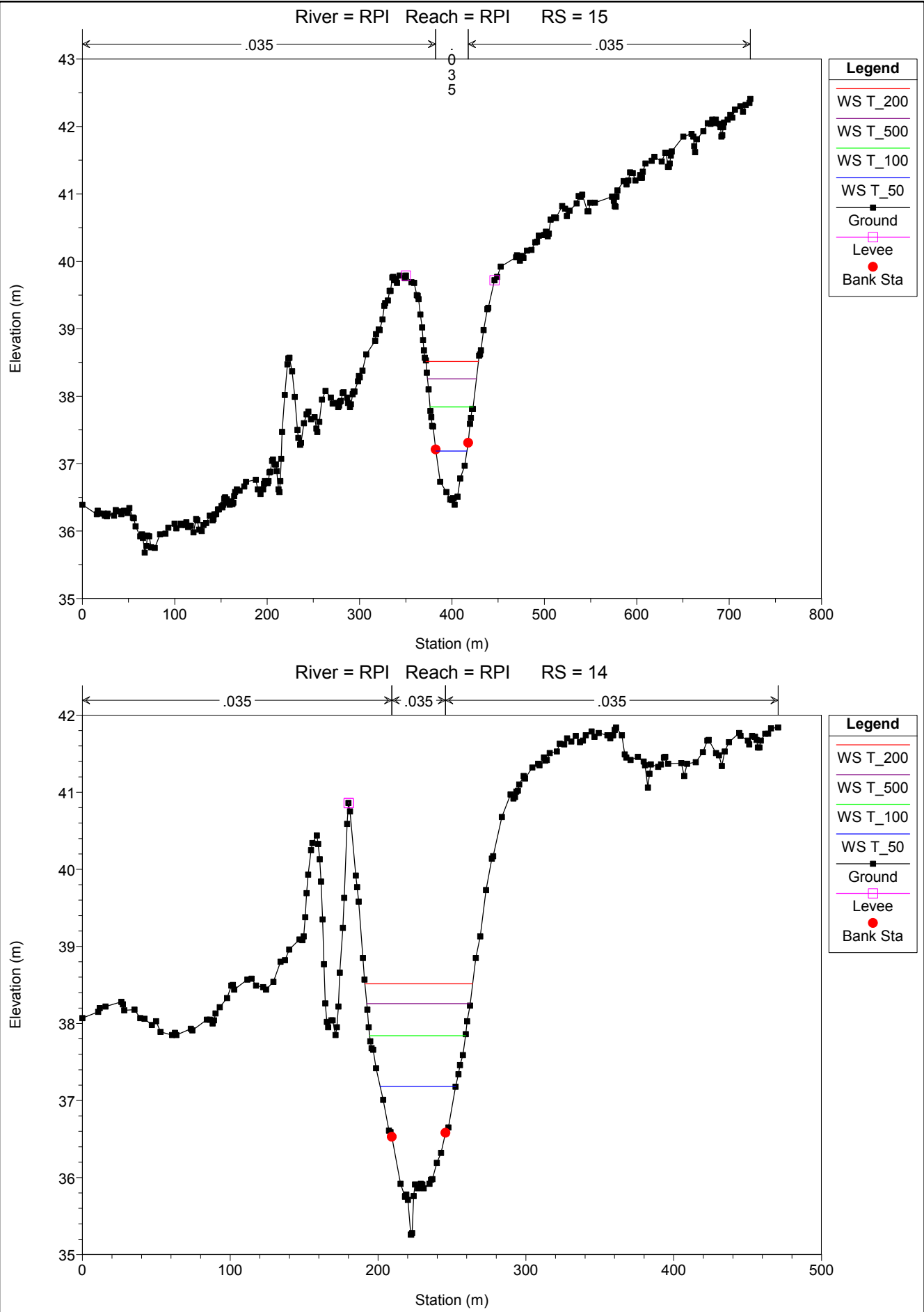
Sezioni di calcolo con livelli idrici per i tempi di ritorno di 50, 100, 200 e 500
anni

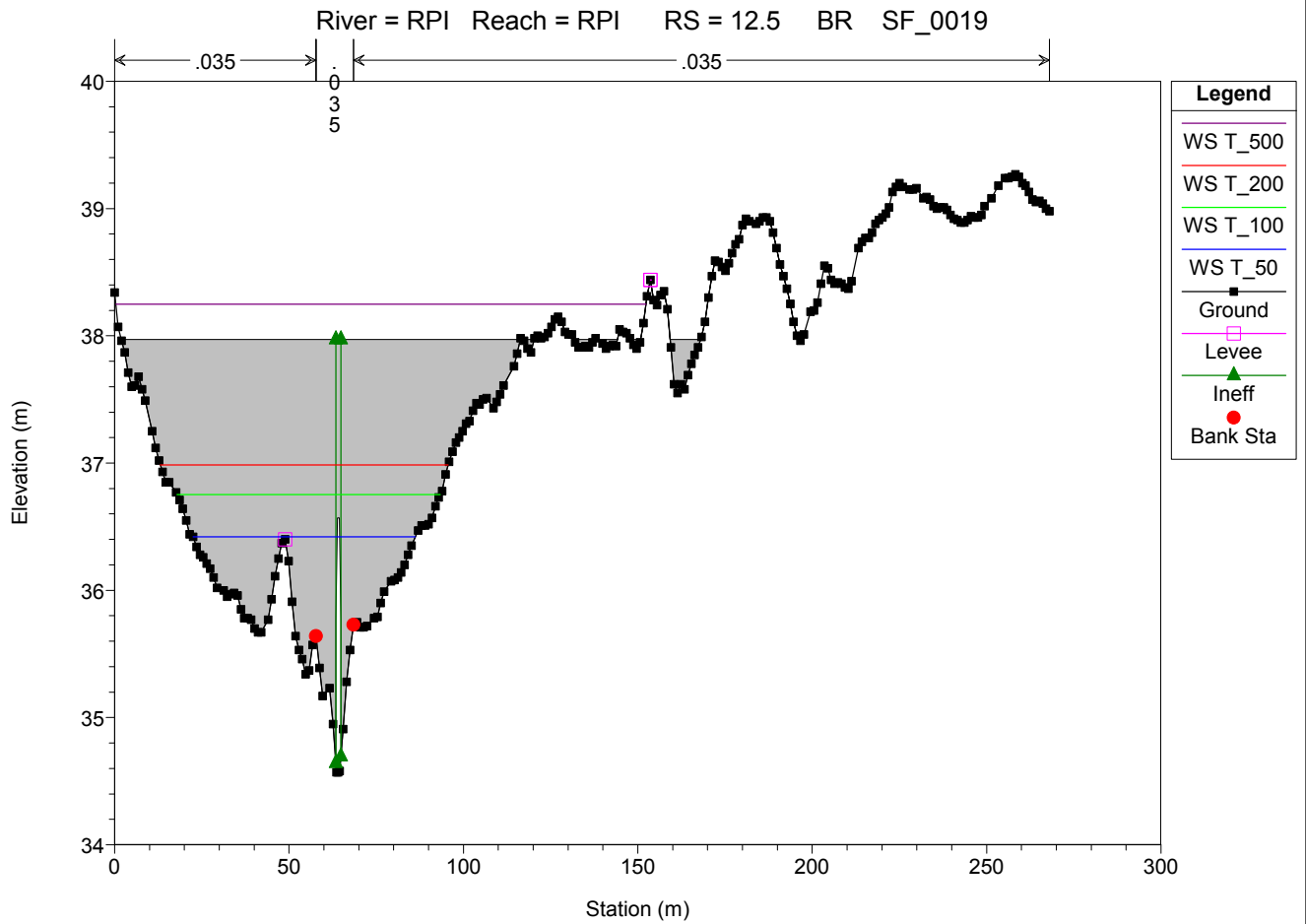
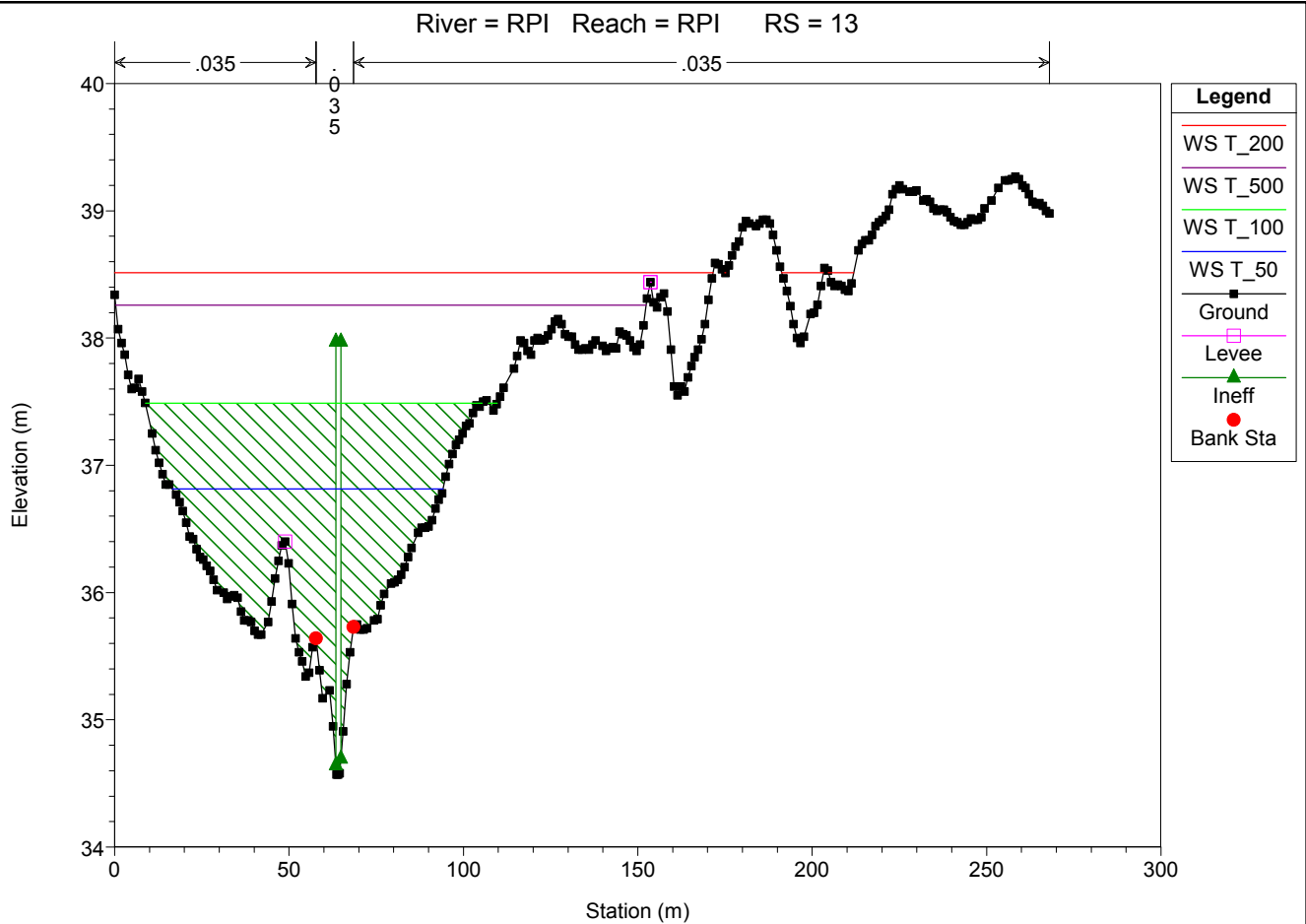


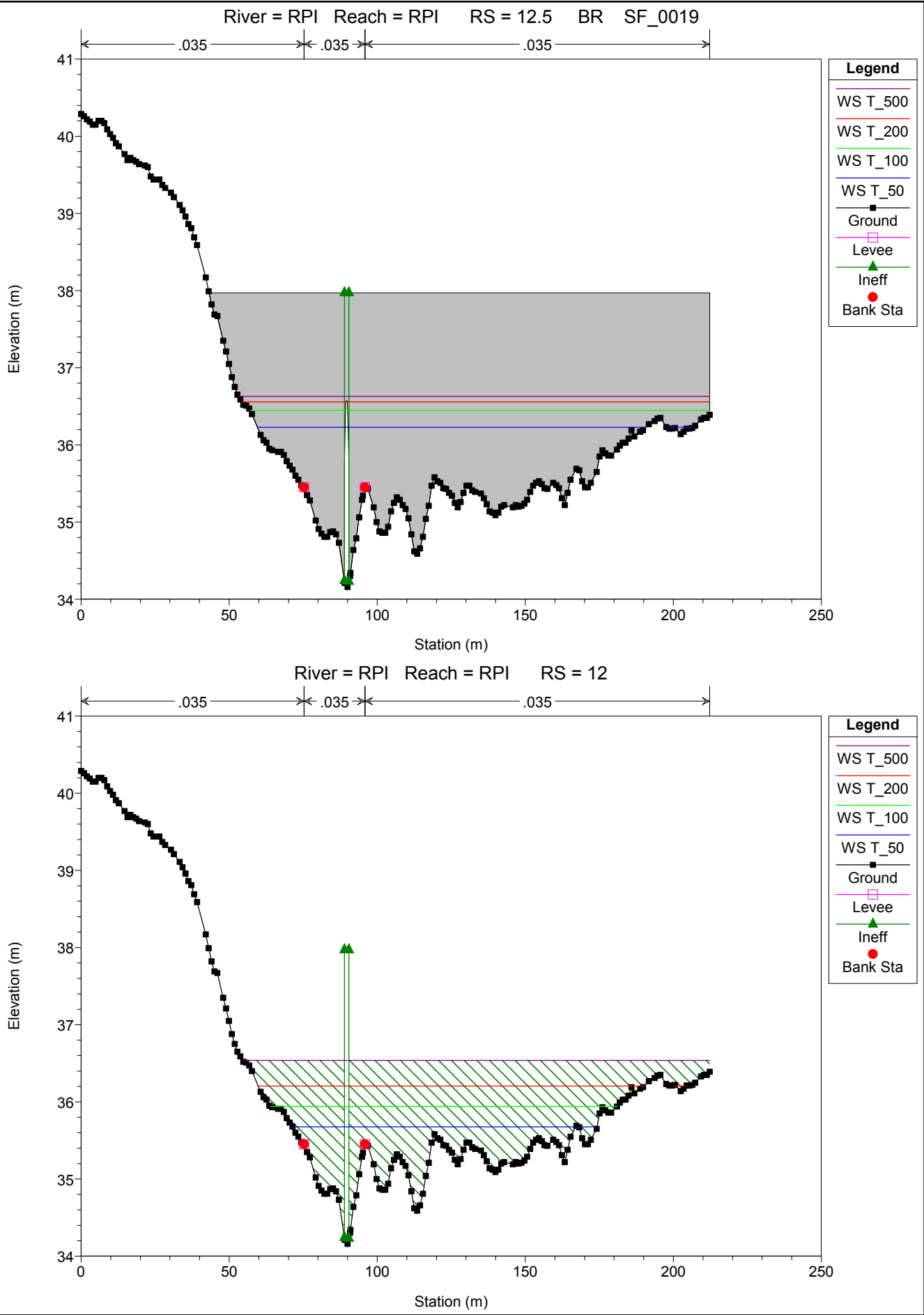


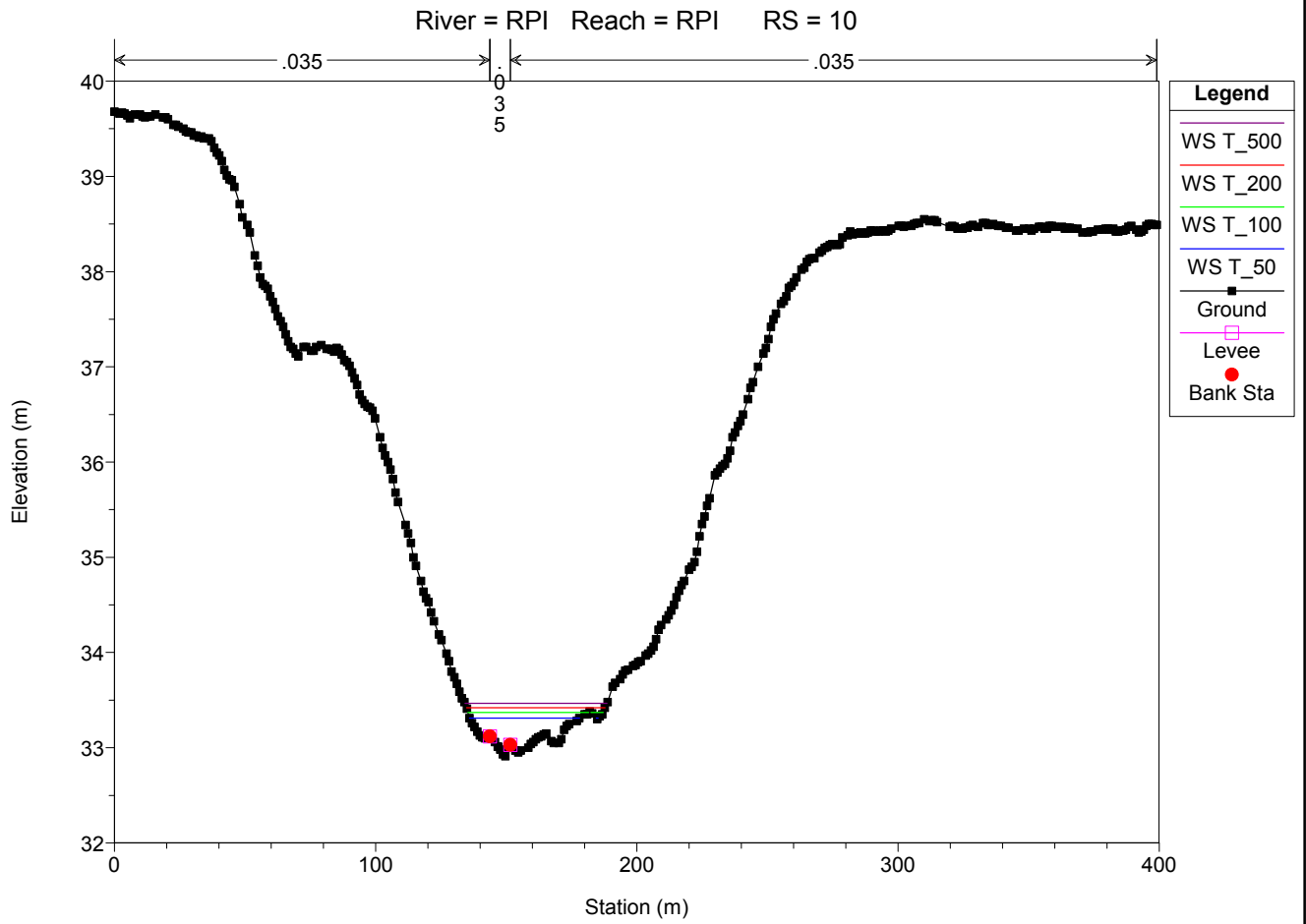
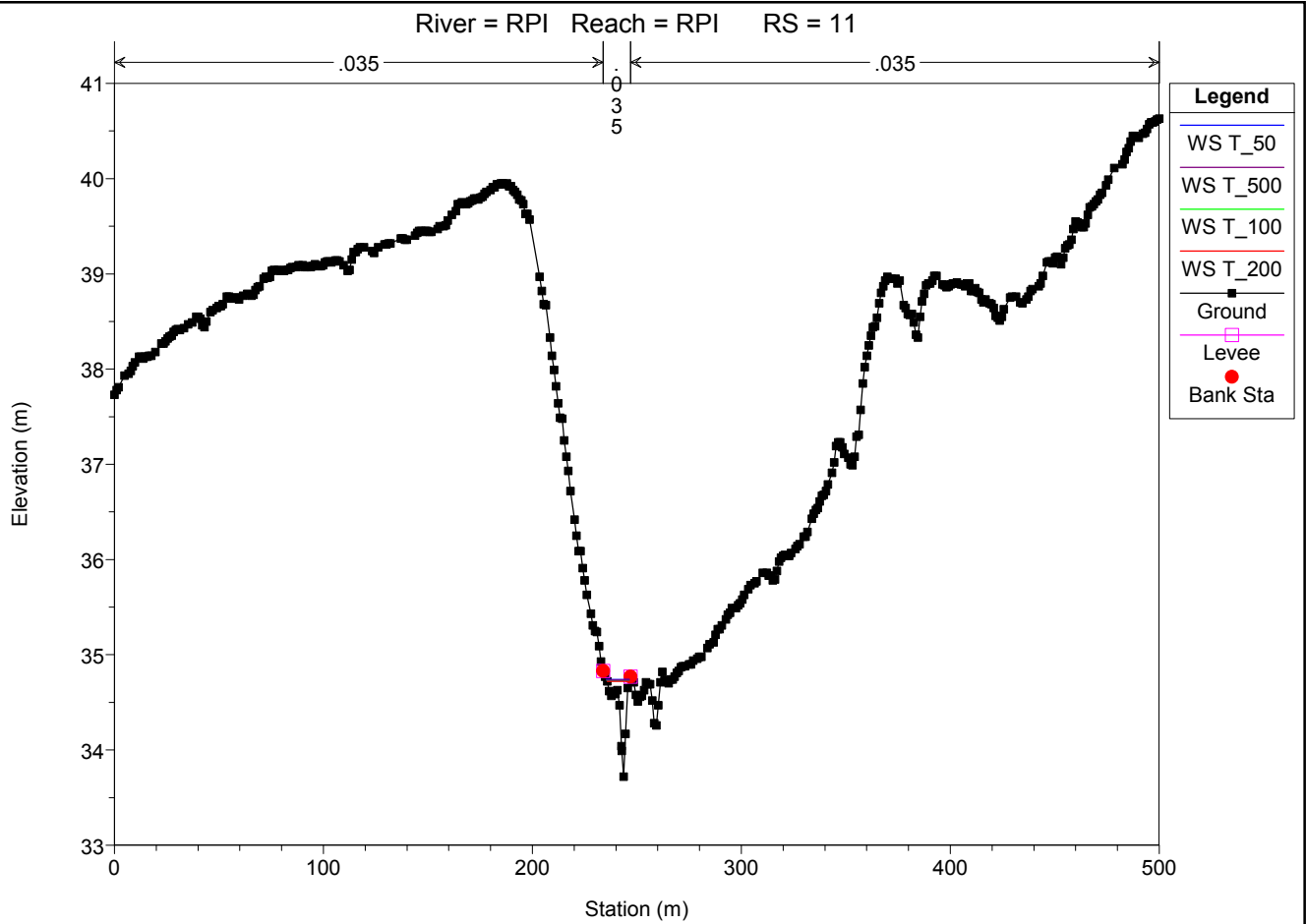


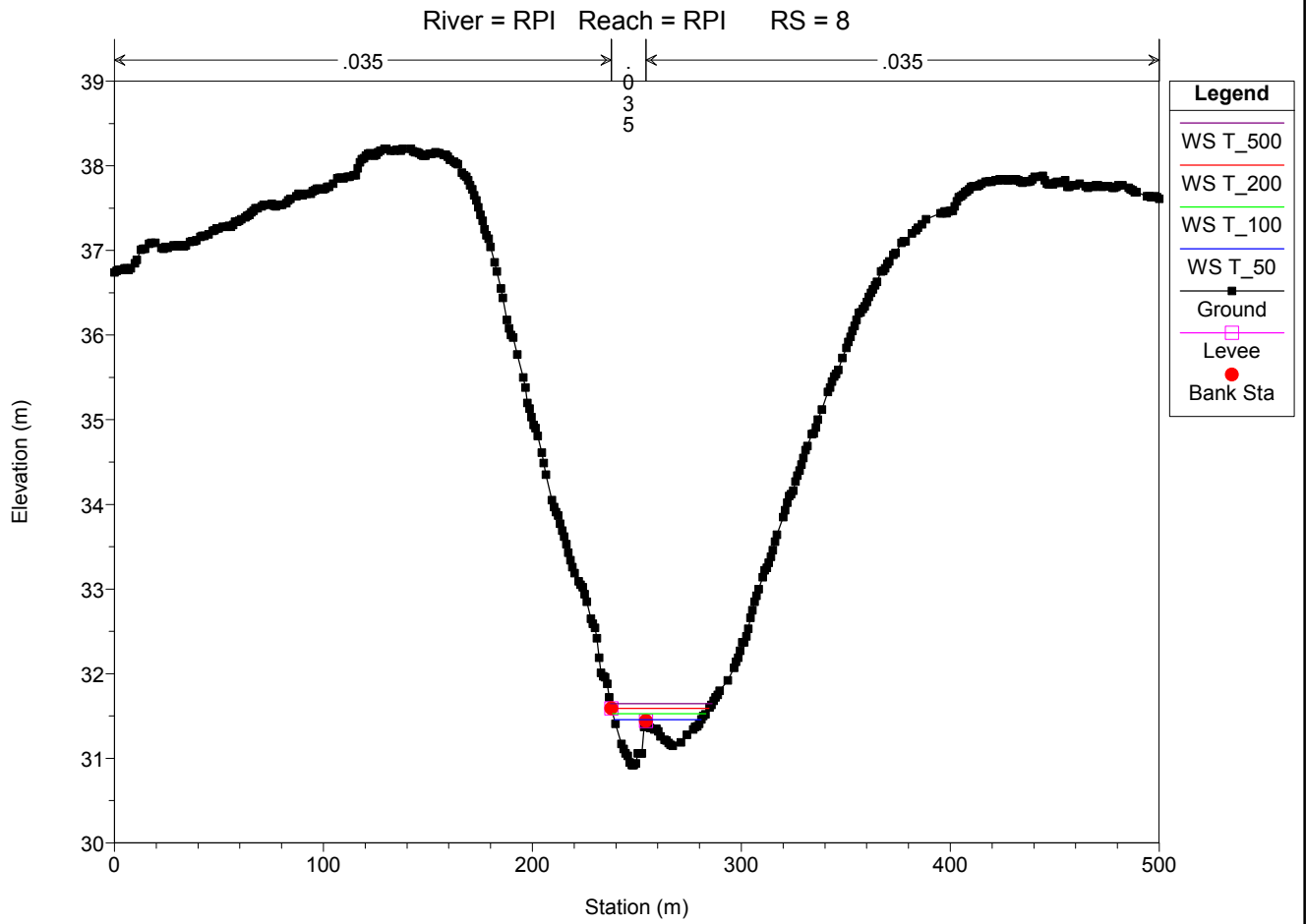
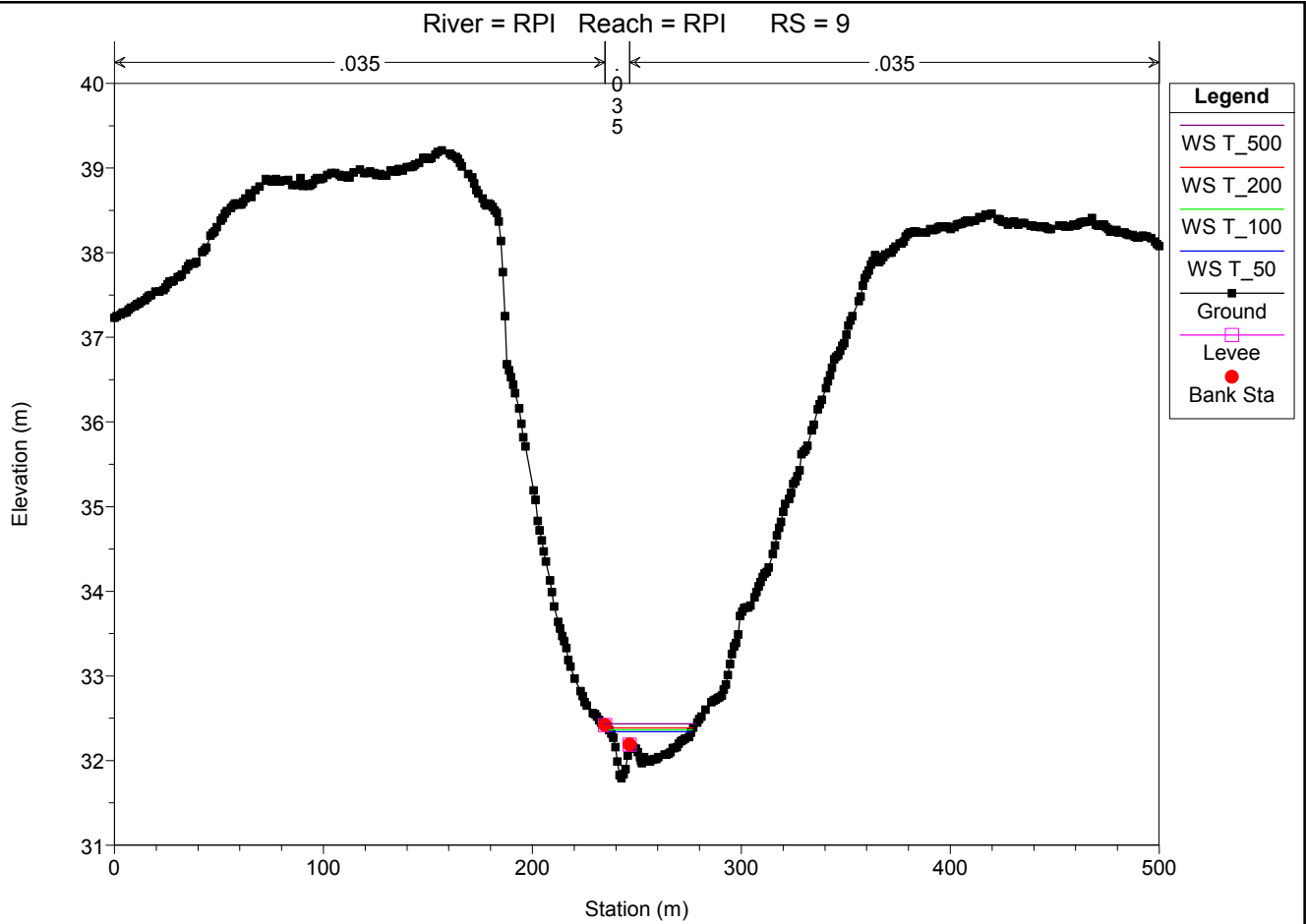


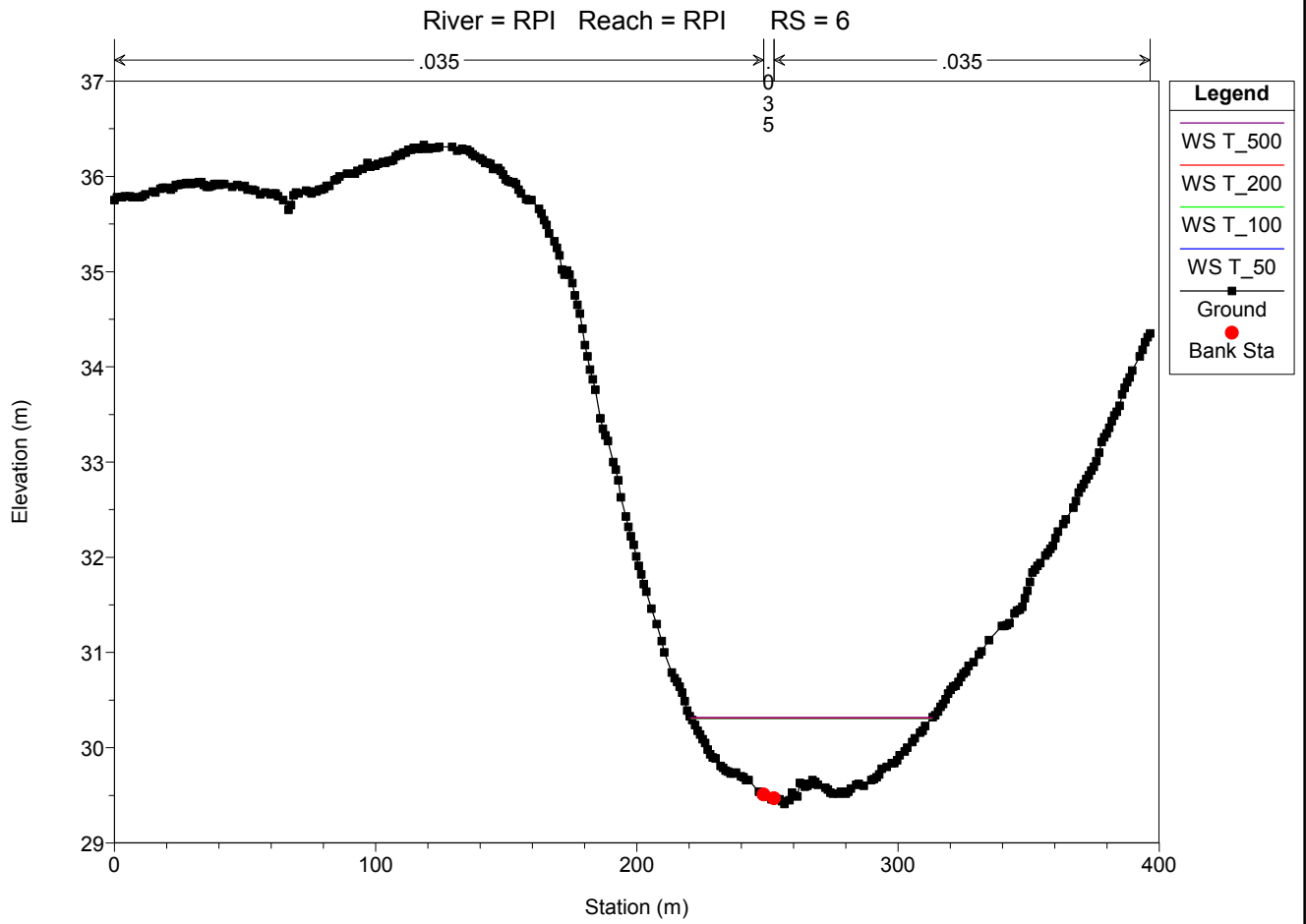
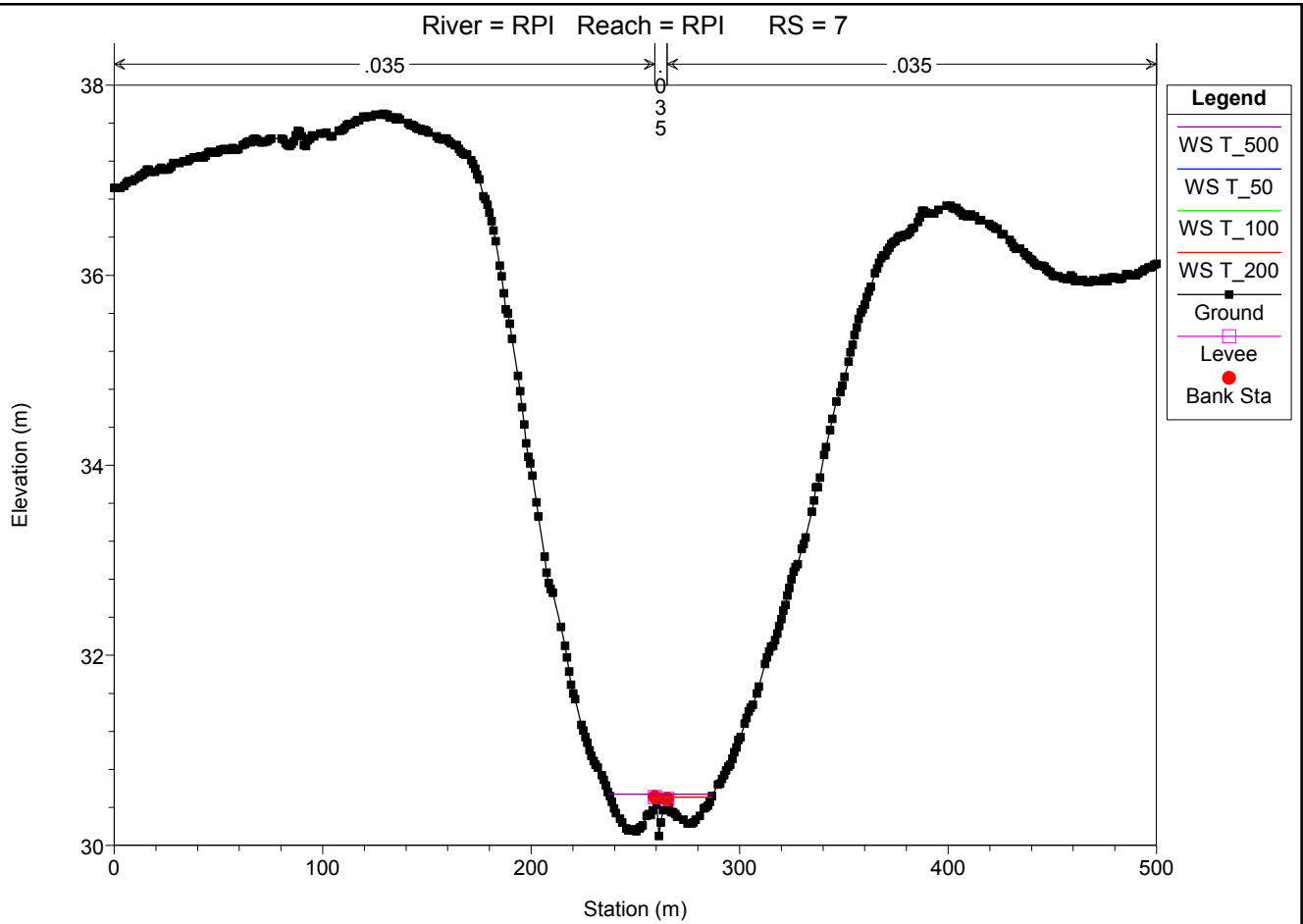


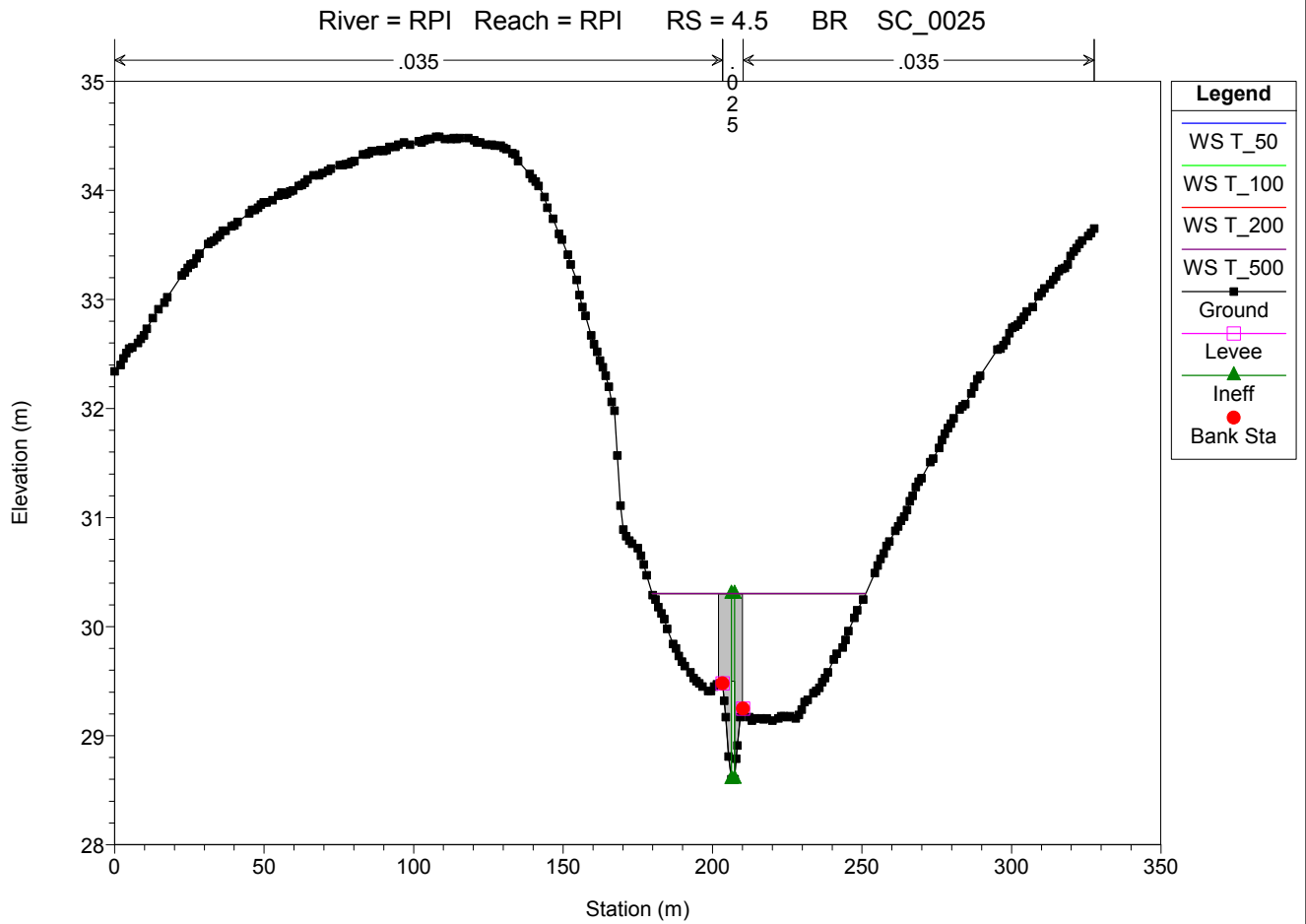
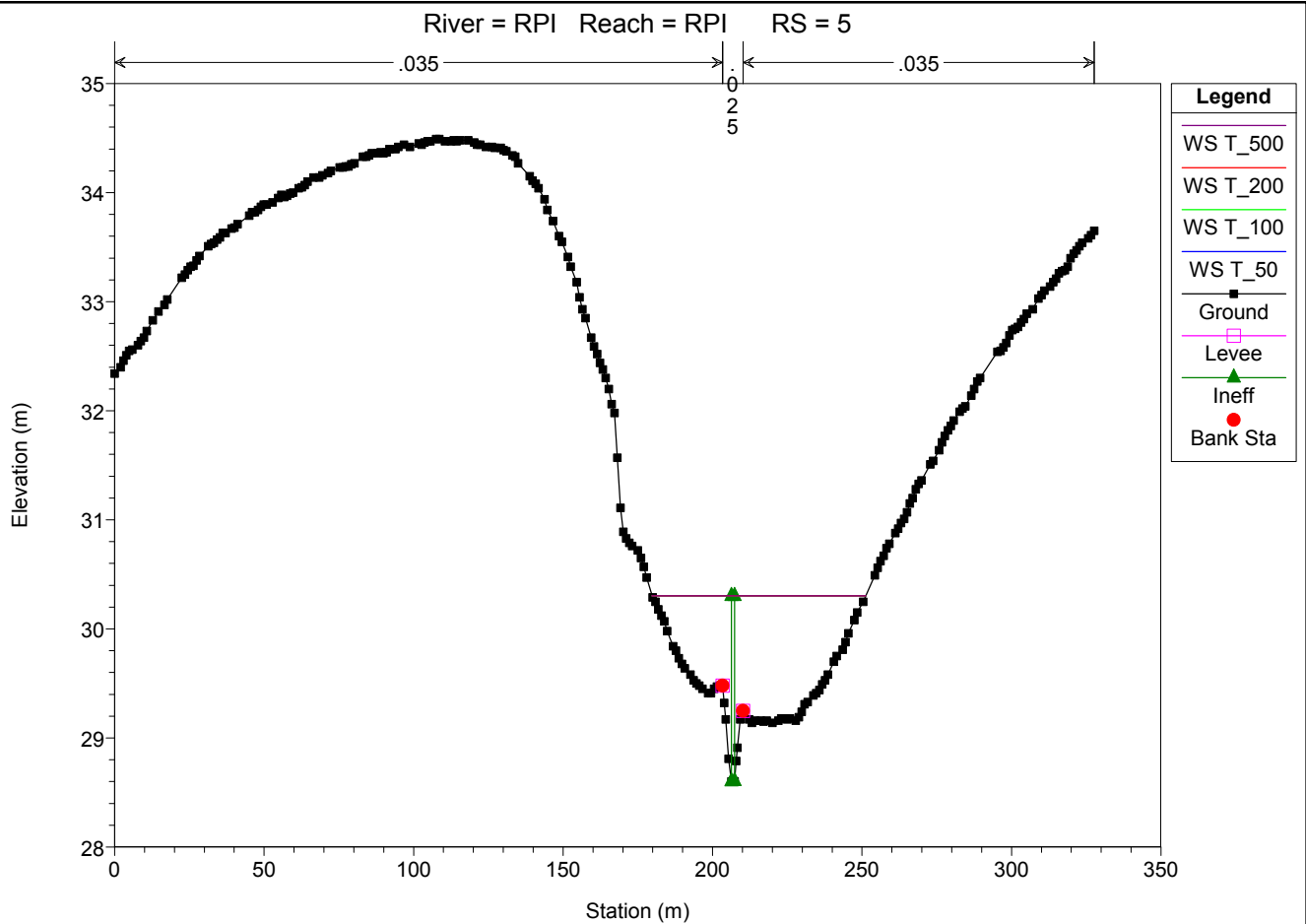


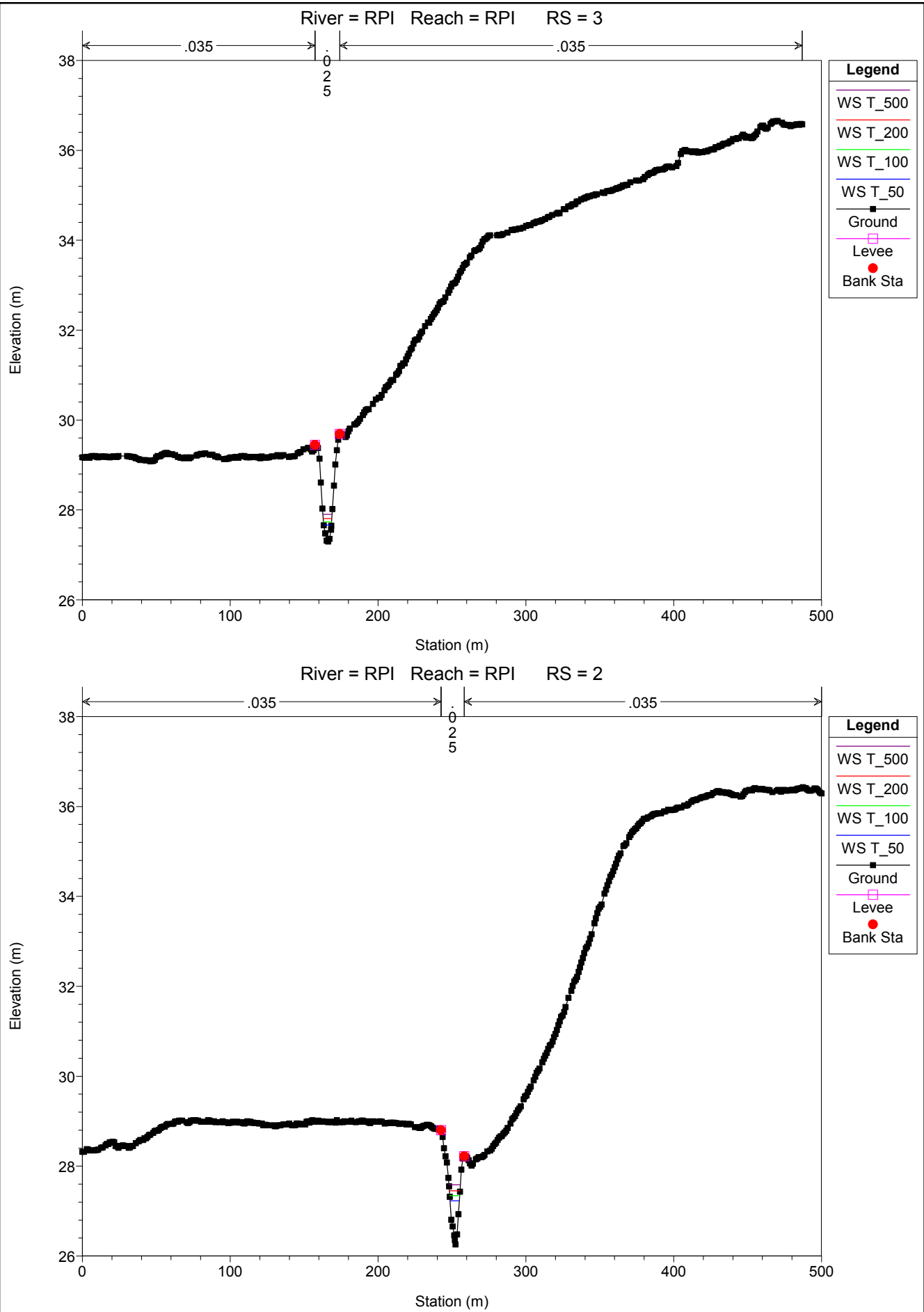












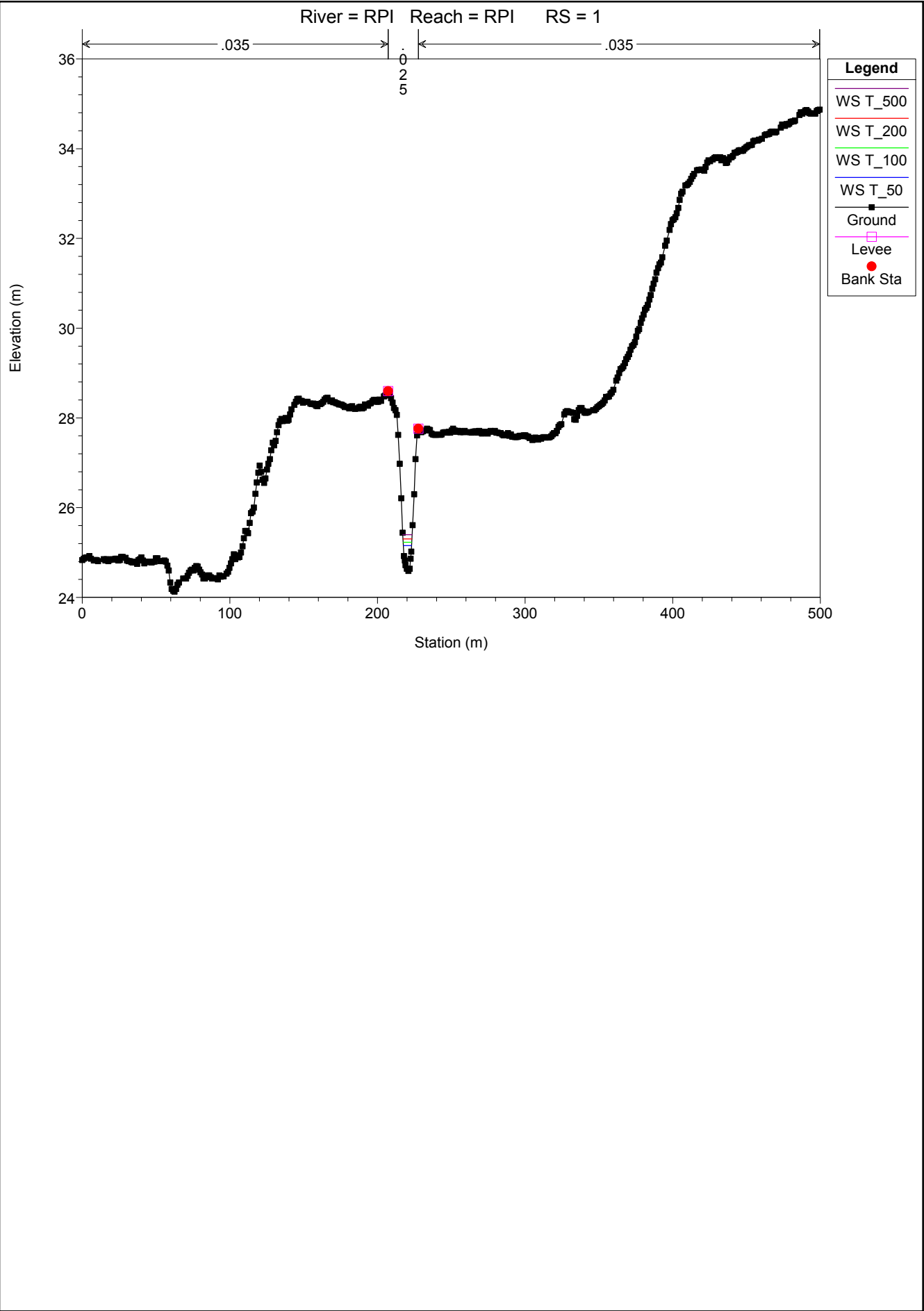


Tabelle con risultati modello idraulico per i tempi di ritorno di 50, 100, 200 e
500 anni

HEC-RAS Plan: PLAN06 River: RPI Reach: RPI

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
RPI	21	T_50	8.52	41.10	41.65	41.55	41.69	0.004537	1.11	9.93	43.62	0.53
RPI	21	T_100	10.90	41.10	41.69	41.61	41.75	0.004627	1.20	12.13	48.02	0.55
RPI	21	T_200	13.41	41.10	41.65	41.64	41.77	0.011109	1.73	9.98	43.81	0.84
RPI	21	T_500	16.89	41.10	41.78	41.70	41.85	0.004871	1.37	16.39	51.10	0.58
RPI	20	T_50	8.52	40.06	40.37	40.37	40.45	0.018872	1.37	7.05	43.46	0.96
RPI	20	T_100	10.90	40.06	40.40	40.40	40.49	0.018569	1.48	8.34	45.82	0.98
RPI	20	T_200	13.41	40.06	40.52		40.57	0.005701	1.08	13.96	49.86	0.58
RPI	20	T_500	16.89	40.06	40.47	40.47	40.58	0.017033	1.67	11.39	47.75	0.97
RPI	19	T_50	8.52	39.09	39.51		39.54	0.004949	0.82	10.95	47.53	0.51
RPI	19	T_100	10.90	39.09	39.54		39.58	0.004953	0.90	12.78	48.24	0.53
RPI	19	T_200	13.41	39.09	39.48	39.48	39.58	0.018582	1.47	9.60	46.97	0.98
RPI	19	T_500	16.89	39.09	39.62	39.51	39.68	0.005066	1.07	16.73	49.75	0.55
RPI	18	T_50	8.52	37.91	38.25	38.25	38.35	0.020556	1.41	6.04	29.79	1.00
RPI	18	T_100	10.90	37.91	38.29	38.29	38.41	0.020042	1.51	7.20	31.40	1.01
RPI	18	T_200	13.41	37.91	38.50	38.33	38.54	0.003718	0.90	14.88	40.01	0.47
RPI	18	T_500	16.89	37.91	38.38	38.38	38.52	0.018379	1.67	10.14	35.89	1.00
RPI	17	T_50	8.52	36.66	38.10	37.90	38.10	0.000025	0.15	61.17	70.34	0.05
RPI	17	T_100	10.90	36.66	38.13	37.90	38.13	0.000037	0.18	63.57	70.89	0.06
RPI	17	T_200	13.41	36.66	38.52	37.90	38.52	0.000018	0.16	92.11	77.18	0.04
RPI	17	T_500	16.89	36.66	38.28	37.90	38.28	0.000056	0.24	73.95	73.21	0.07
RPI	16.5		Culvert									
RPI	16	T_50	8.52	36.36	37.90	37.90	37.90	0.000031	0.17	57.66	72.50	0.05
RPI	16	T_100	10.90	36.36	37.90	37.90	37.90	0.000051	0.21	57.66	72.50	0.07
RPI	16	T_200	13.41	36.36	38.52	37.90	38.52	0.000013	0.14	108.08	89.50	0.04
RPI	16	T_500	16.89	36.36	38.26	37.90	38.26	0.000039	0.23	86.05	83.45	0.06
RPI	15	T_50	8.52	36.39	37.19	36.81	37.20	0.000851	0.52	16.46	33.57	0.24
RPI	15	T_100	10.90	36.39	37.84	36.86	37.85	0.000076	0.27	42.50	46.63	0.08
RPI	15	T_200	13.41	36.39	38.51	36.90	38.52	0.000020	0.19	77.30	56.89	0.05
RPI	15	T_500	16.89	36.39	38.26	36.96	38.26	0.000058	0.29	63.18	53.05	0.07
RPI	14	T_50	8.52	35.26	37.19	36.05	37.19	0.000033	0.18	49.03	51.08	0.05
RPI	14	T_100	10.90	35.26	37.84	36.09	37.84	0.000011	0.14	87.33	64.84	0.03
RPI	14	T_200	13.41	35.26	38.51	36.14	38.51	0.000005	0.12	133.68	72.95	0.02
RPI	14	T_500	16.89	35.26	38.26	36.19	38.26	0.000011	0.17	115.31	70.03	0.04

HEC-RAS Plan: PLAN06 River: RPI Reach: RPI (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
RPI	13	T_50	8.52	34.57	36.81	36.08	37.15	0.002833	2.55	3.34	77.65	0.55
RPI	13	T_100	10.90	34.57	37.49	36.34	37.81	0.001921	2.51	4.34	99.02	0.47
RPI	13	T_200	13.41	34.57	38.51	36.60	38.51	0.000001	0.07	274.55	191.06	0.01
RPI	13	T_500	16.89	34.57	38.26	36.94	38.26	0.000004	0.11	221.50	152.06	0.02
RPI	12.5		Bridge									
RPI	12	T_50	8.52	34.16	35.68	35.68	36.42	0.010655	3.82	2.23	102.01	1.00
RPI	12	T_100	10.90	34.16	35.94	35.94	36.82	0.010086	4.15	2.63	117.08	1.00
RPI	12	T_200	13.41	34.16	36.20	36.20	37.21	0.009594	4.44	3.02	133.70	1.00
RPI	12	T_500	16.89	34.16	36.54	36.54	37.71	0.009133	4.80	3.52	157.74	1.00
RPI	11	T_50	8.52	33.72	34.74	34.77	35.08	0.042102	2.58	3.31	10.97	1.50
RPI	11	T_100	10.90	33.72	34.73	34.80	35.33	0.076550	3.45	3.16	10.60	2.02
RPI	11	T_200	13.41	33.72	34.72	34.82	35.68	0.121873	4.34	3.09	10.42	2.54
RPI	11	T_500	16.89	33.72	34.74	34.82	36.13	0.174419	5.22	3.23	10.78	3.05
RPI	10	T_50	8.52	32.91	33.31	33.25	33.36	0.007781	1.13	9.13	42.83	0.66
RPI	10	T_100	10.90	32.91	33.37	33.29	33.42	0.006270	1.14	11.89	50.88	0.61
RPI	10	T_200	13.41	32.91	33.42	33.32	33.47	0.005504	1.17	14.61	53.00	0.58
RPI	10	T_500	16.89	32.91	33.47	33.36	33.52	0.005501	1.25	16.98	54.33	0.59
RPI	9	T_50	8.52	31.79	32.34	32.26	32.38	0.006002	1.02	9.65	38.83	0.58
RPI	9	T_100	10.90	31.79	32.36	32.30	32.42	0.007724	1.16	10.49	39.72	0.66
RPI	9	T_200	13.41	31.79	32.38	32.33	32.46	0.009240	1.27	11.41	40.84	0.72
RPI	9	T_500	16.89	31.79	32.43	32.37	32.51	0.009158	1.31	13.49	44.20	0.72
RPI	8	T_50	8.52	30.92	31.46	31.44	31.50	0.005862	1.05	9.71	41.49	0.58
RPI	8	T_100	10.90	30.92	31.53	31.44	31.57	0.004371	1.00	12.79	44.50	0.51
RPI	8	T_200	13.41	30.92	31.59	31.46	31.63	0.003646	0.99	15.70	46.75	0.48
RPI	8	T_500	16.89	30.92	31.65	31.49	31.69	0.003607	1.06	18.36	48.69	0.48
RPI	7	T_50	8.52	30.10	30.51	30.51	30.55	0.006835	0.68	10.13	48.59	0.55
RPI	7	T_100	10.90	30.10	30.51	30.51	30.57	0.011193	0.87	10.13	48.59	0.70
RPI	7	T_200	13.41	30.10	30.51	30.51	30.60	0.016945	1.07	10.13	48.59	0.86
RPI	7	T_500	16.89	30.10	30.54	30.54	30.65	0.017992	1.24	11.57	49.87	0.92
RPI	6	T_50	8.52	29.46	30.31	29.71	30.31	0.000066	0.20	52.82	92.00	0.07
RPI	6	T_100	10.90	29.46	30.31	29.73	30.31	0.000106	0.26	53.02	92.12	0.09
RPI	6	T_200	13.41	29.46	30.31	29.76	30.32	0.000159	0.32	53.29	92.29	0.11
RPI	6	T_500	16.89	29.46	30.32	29.79	30.32	0.000245	0.40	53.76	92.58	0.14

HEC-RAS Plan: PLAN06 River: RPI Reach: RPI (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
RPI	5	T_50	8.52	28.60	30.30	30.30	30.31	0.000028	0.25	58.12	71.43	0.07
RPI	5	T_100	10.90	28.60	30.30	30.30	30.31	0.000045	0.32	58.13	71.43	0.09
RPI	5	T_200	13.41	28.60	30.30	30.30	30.31	0.000068	0.40	58.15	71.44	0.11
RPI	5	T_500	16.89	28.60	30.30	30.30	30.31	0.000108	0.50	58.19	71.46	0.14
RPI	4.5		Bridge									
RPI	4	T_50	8.52	28.47	30.30	30.30	30.30	0.000028	0.22	55.23	69.96	0.07
RPI	4	T_100	10.90	28.47	30.30	30.30	30.30	0.000046	0.29	55.23	69.96	0.09
RPI	4	T_200	13.41	28.47	30.30	30.30	30.30	0.000070	0.35	55.23	69.96	0.11
RPI	4	T_500	16.89	28.47	30.30	30.30	30.31	0.000111	0.45	55.23	69.96	0.14
RPI	3	T_50	8.52	27.30	27.67	28.07	30.06	0.197689	6.85	1.24	5.13	4.44
RPI	3	T_100	10.90	27.30	27.74	28.18	30.06	0.148348	6.75	1.61	5.46	3.96
RPI	3	T_200	13.41	27.30	27.81	28.28	30.06	0.116501	6.65	2.02	5.80	3.60
RPI	3	T_500	16.89	27.30	27.90	28.40	30.07	0.089015	6.51	2.59	6.25	3.23
RPI	2	T_50	8.52	26.26	27.23	27.23	27.52	0.007911	2.37	3.60	6.28	1.00
RPI	2	T_100	10.90	26.26	27.34	27.34	27.67	0.007645	2.51	4.34	6.74	1.00
RPI	2	T_200	13.41	26.26	27.45	27.45	27.81	0.007448	2.63	5.09	7.20	1.00
RPI	2	T_500	16.89	26.26	27.58	27.58	27.98	0.007242	2.77	6.09	7.77	1.00
RPI	1	T_50	8.52	24.59	25.15	25.39	25.90	0.032470	3.83	2.22	5.55	1.93
RPI	1	T_100	10.90	24.59	25.23	25.50	26.09	0.031644	4.11	2.65	5.82	1.94
RPI	1	T_200	13.41	24.59	25.30	25.60	26.26	0.030846	4.34	3.09	6.08	1.95
RPI	1	T_500	16.89	24.59	25.40	25.73	26.47	0.029662	4.60	3.67	6.41	1.94