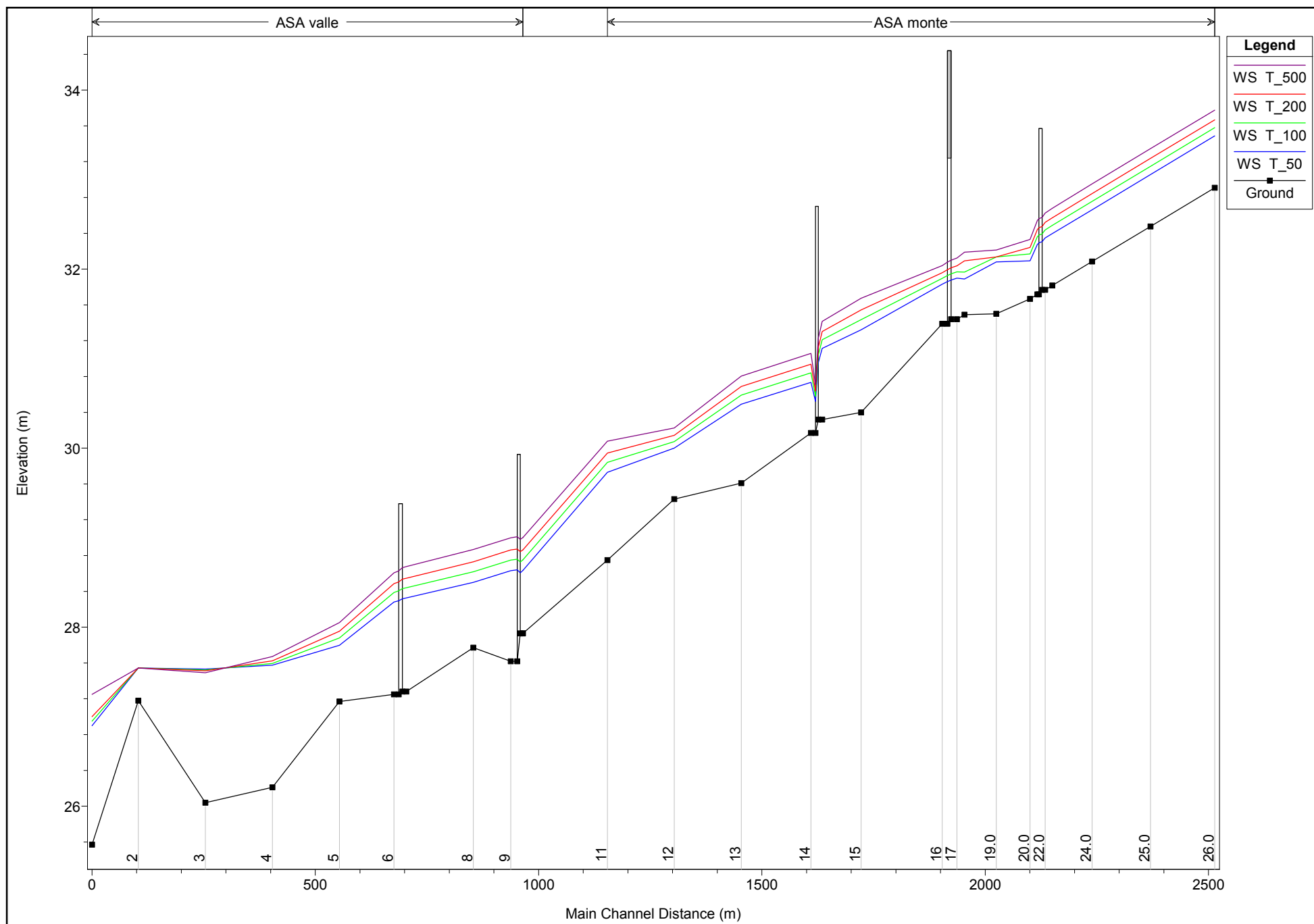
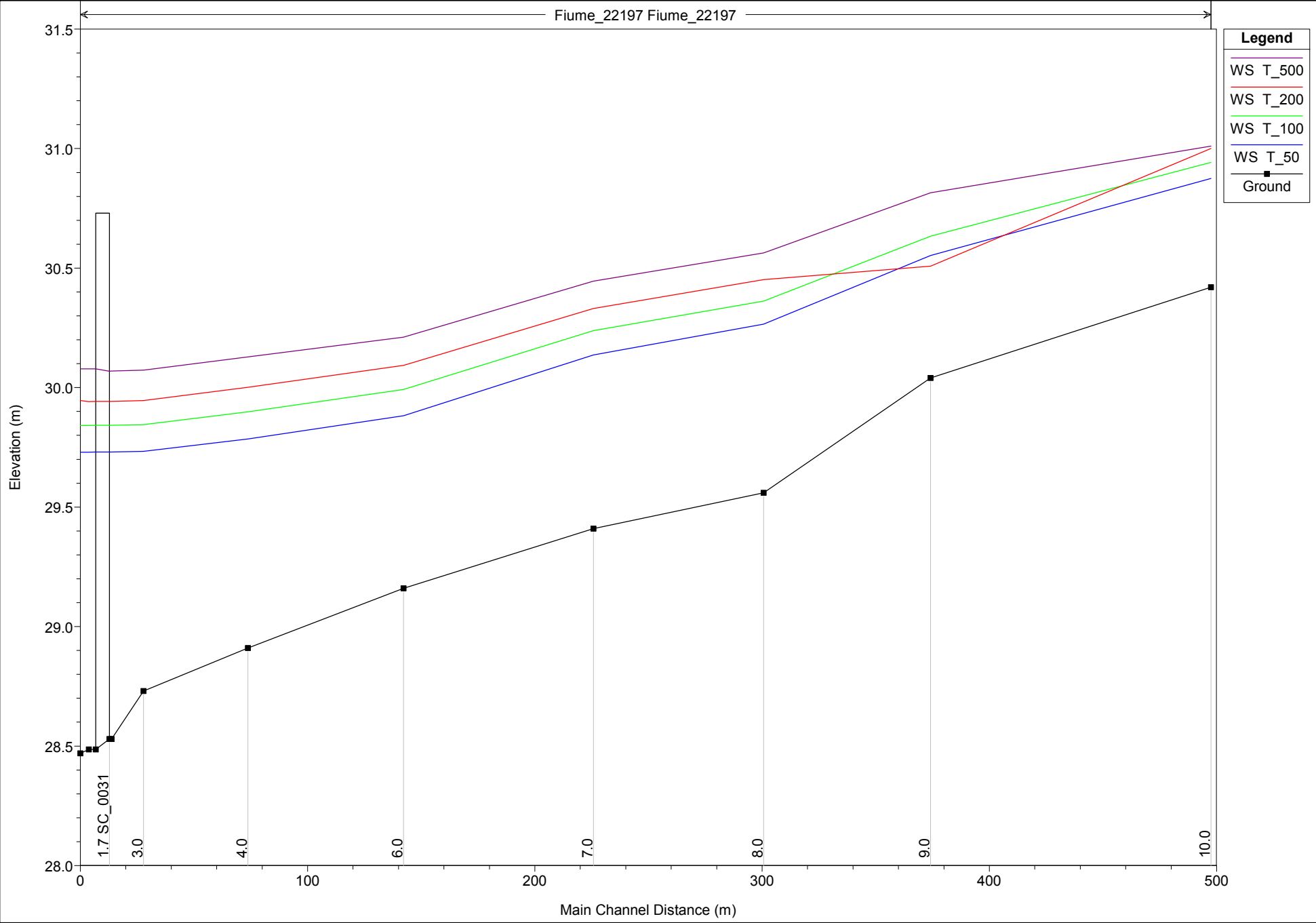


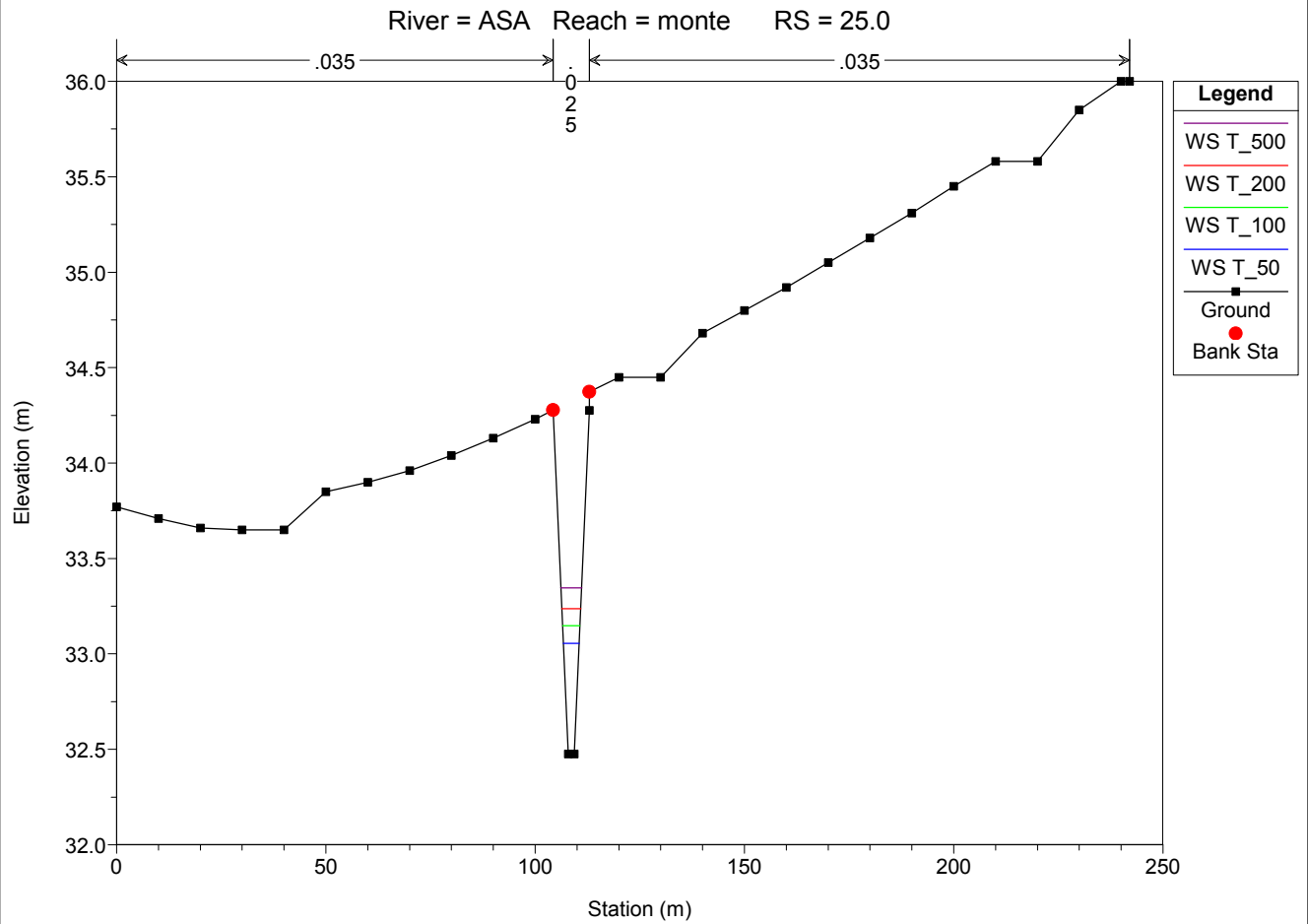
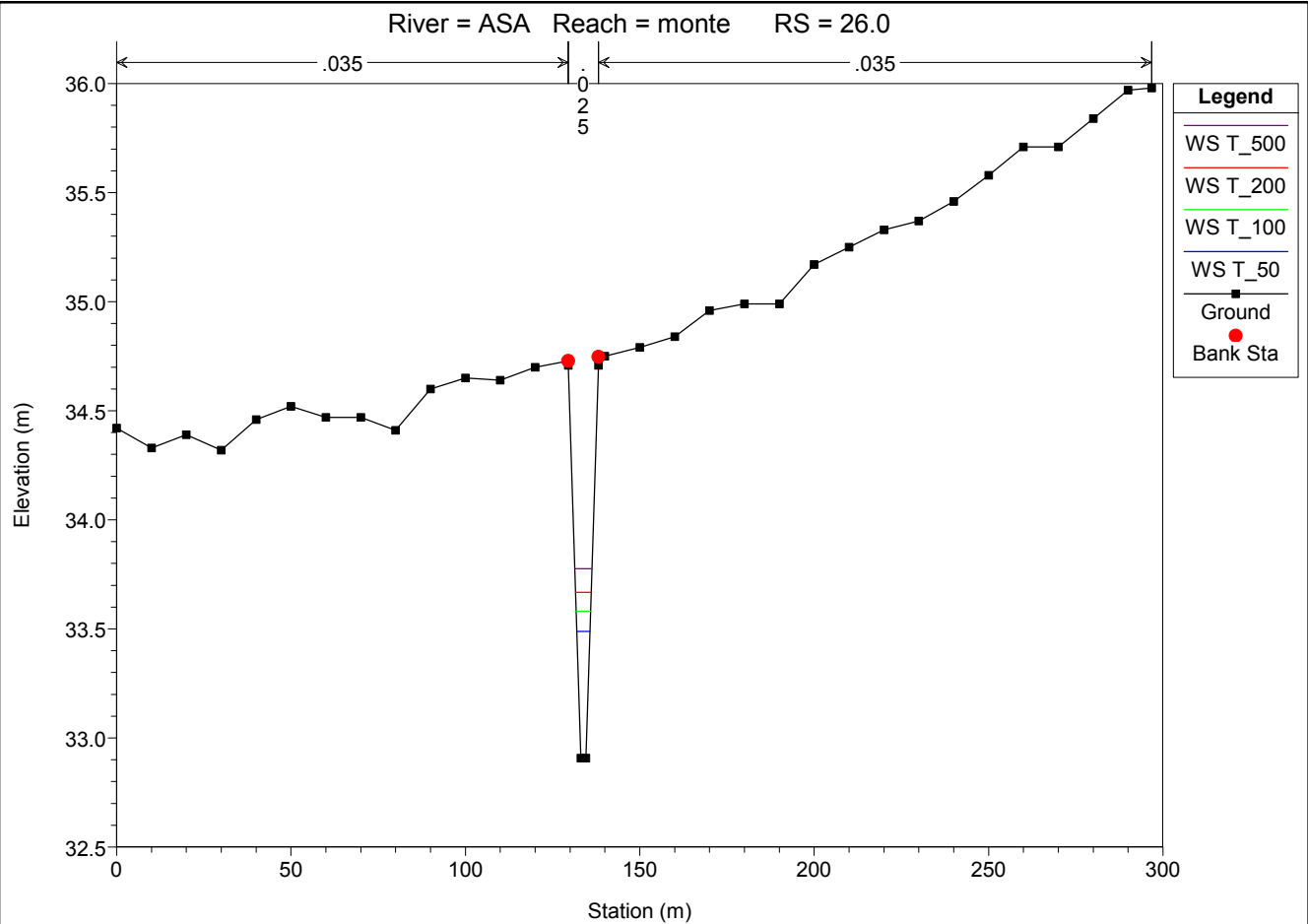
Riu Acqua Salsa

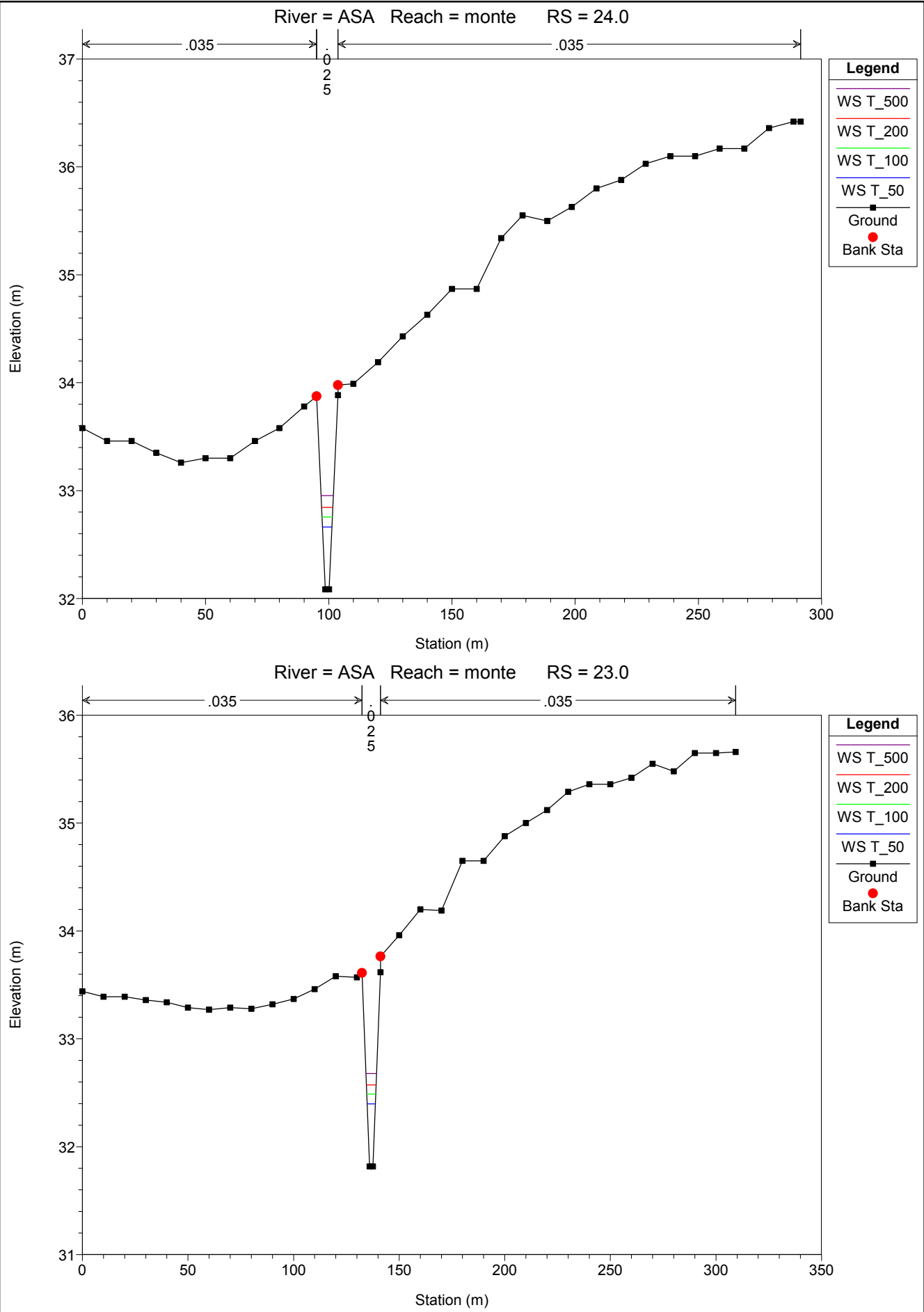
Profili di corrente per i tempi di ritorno di 50, 100, 200 e 500 anni

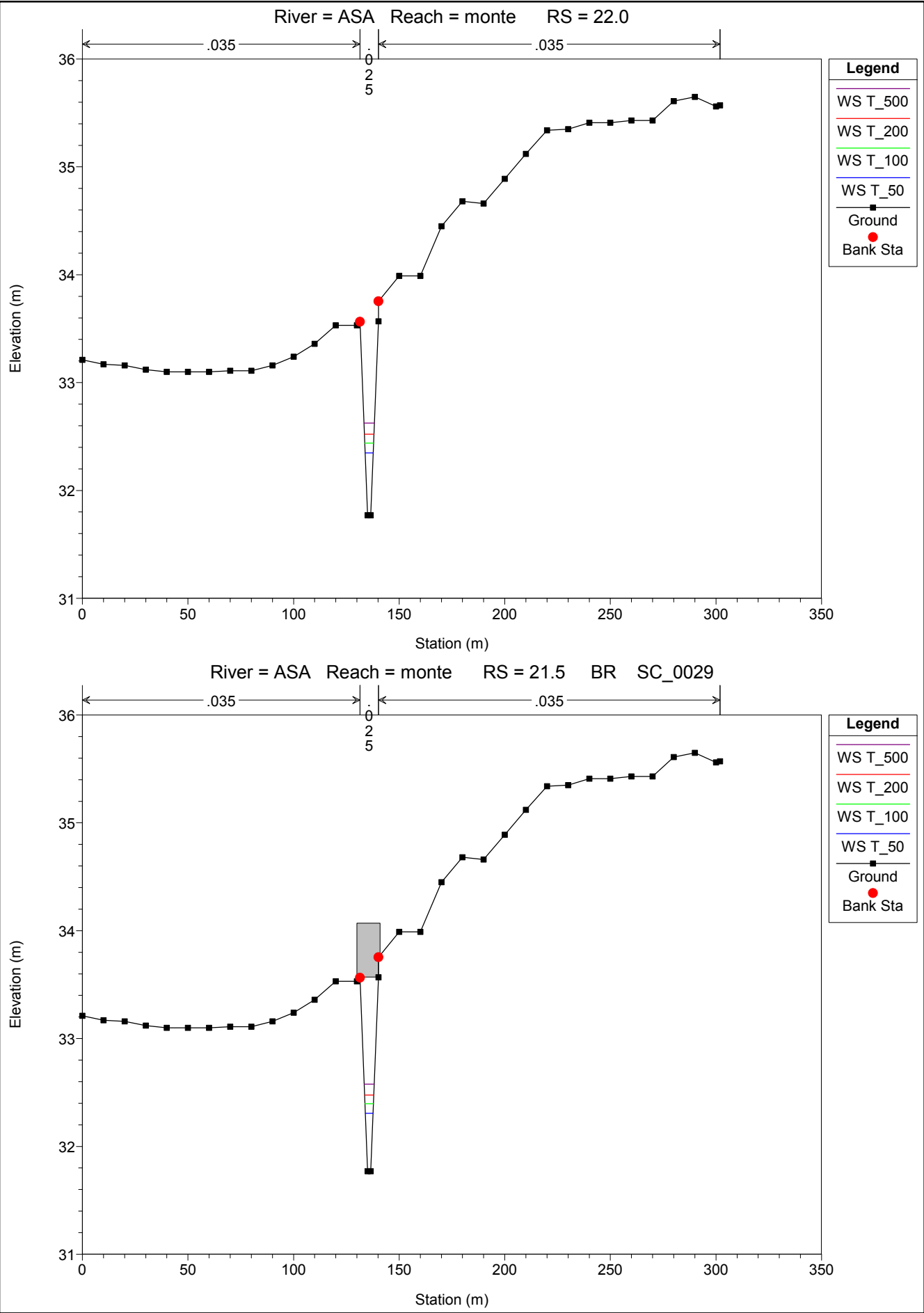


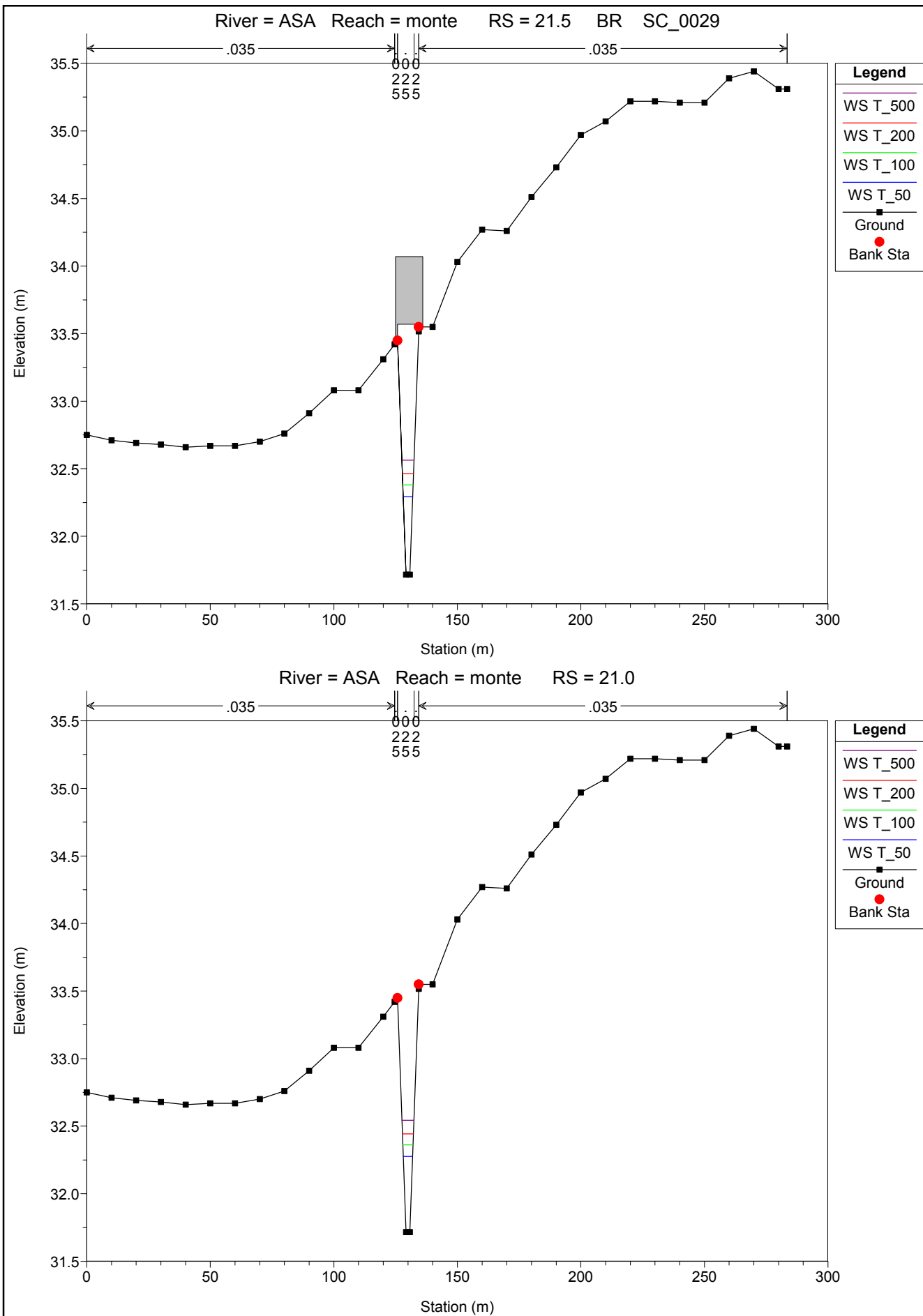


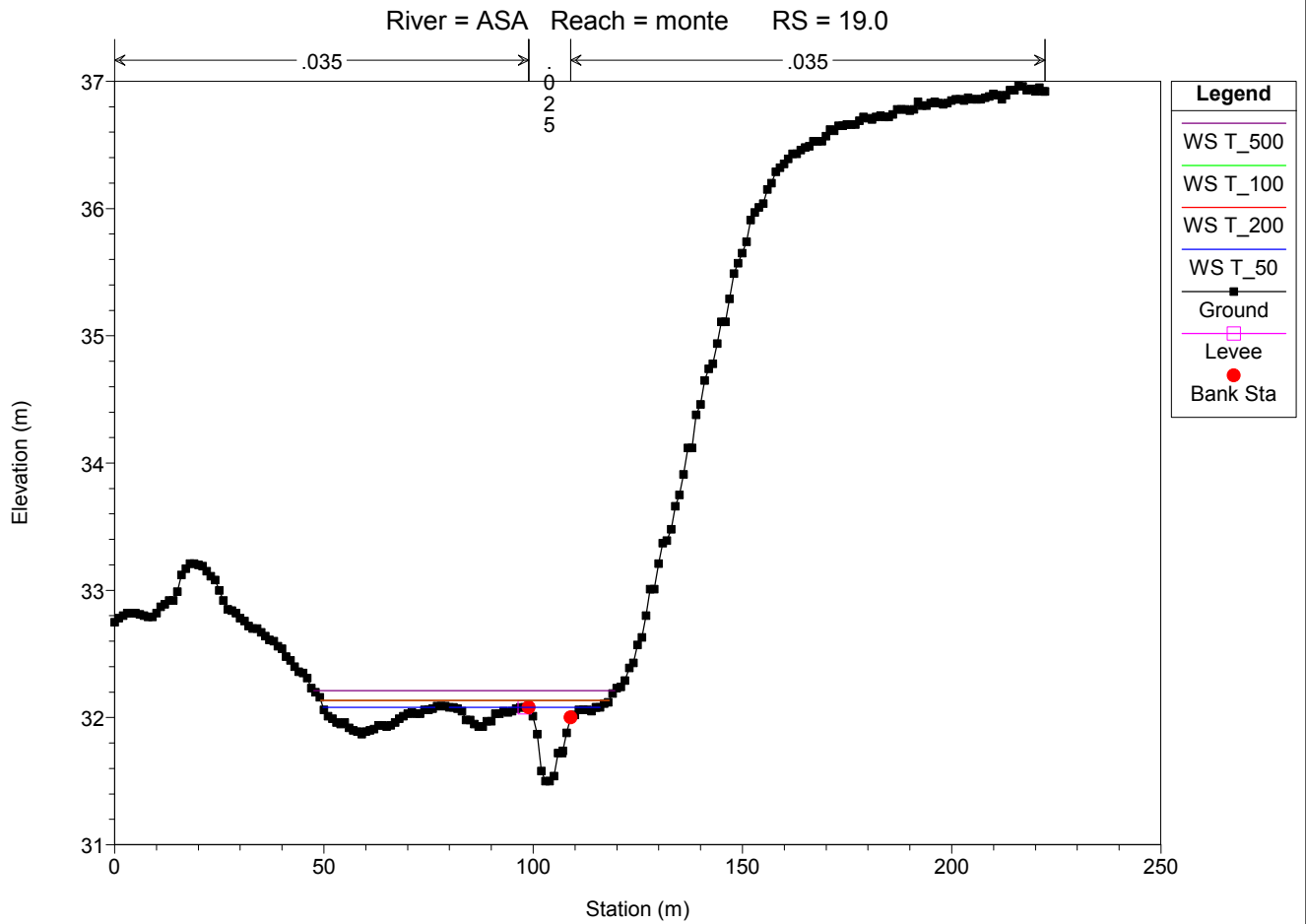
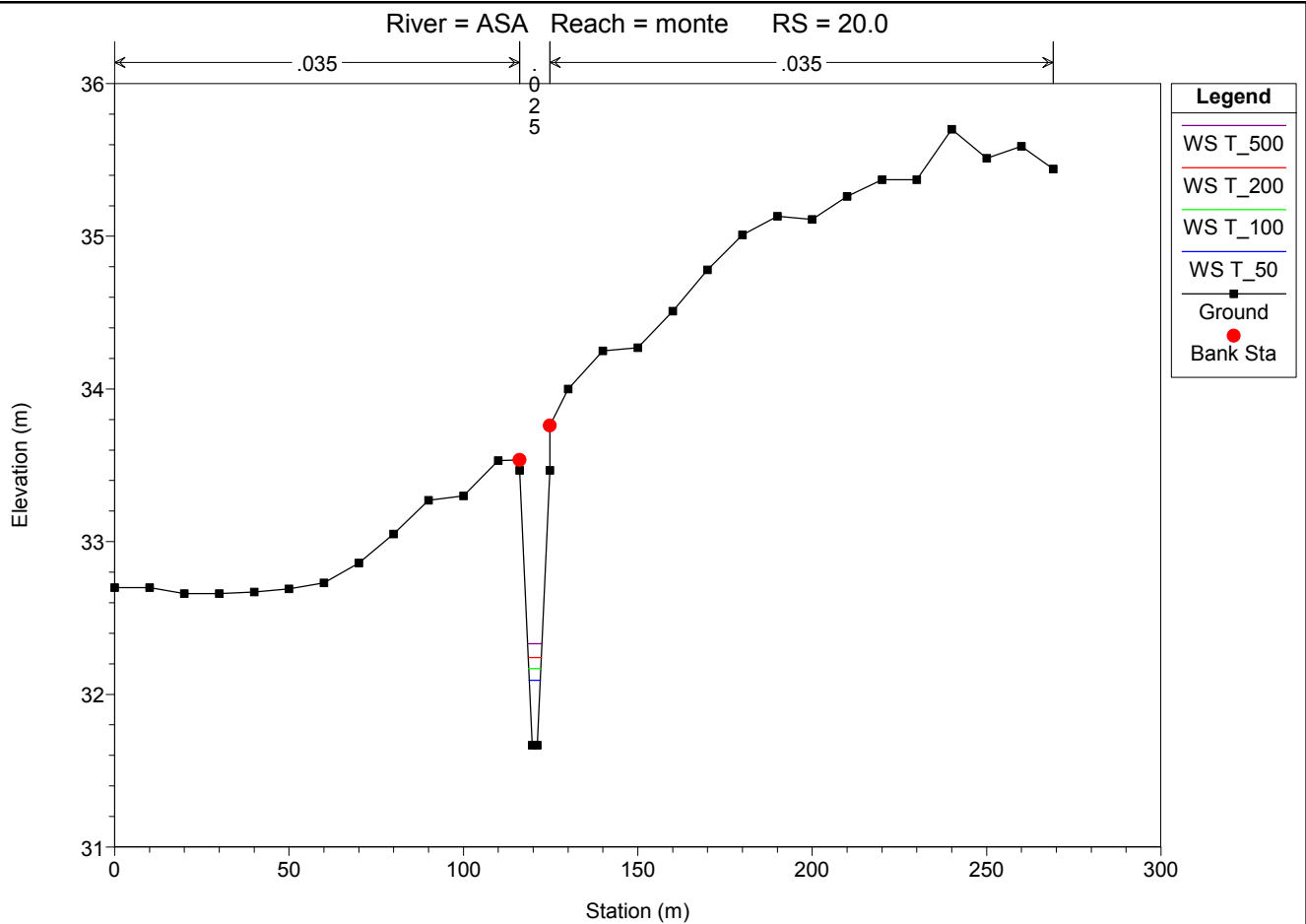
Sezioni di calcolo con livelli idrici per i tempi di ritorno di 50, 100, 200 e 500
anni

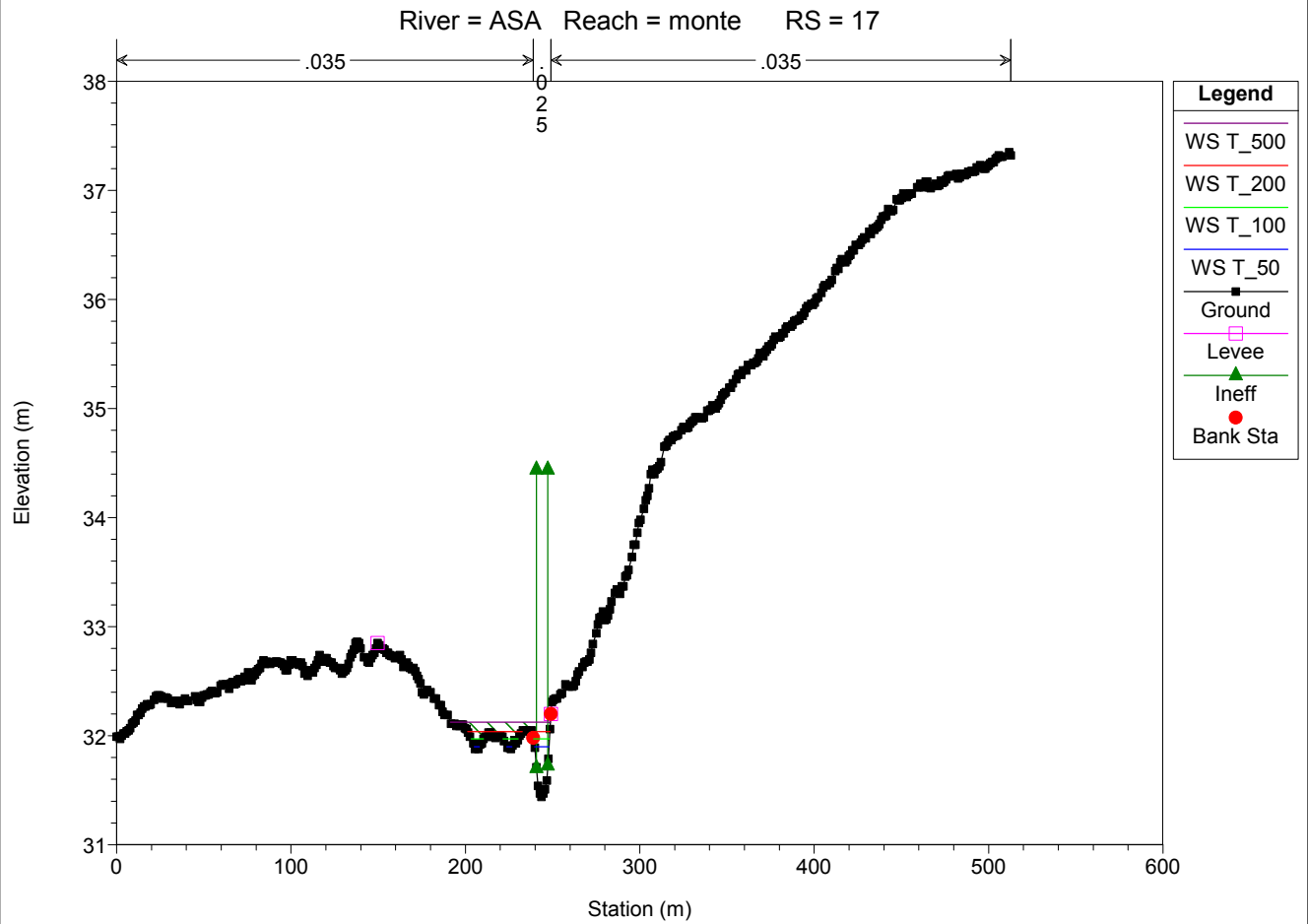
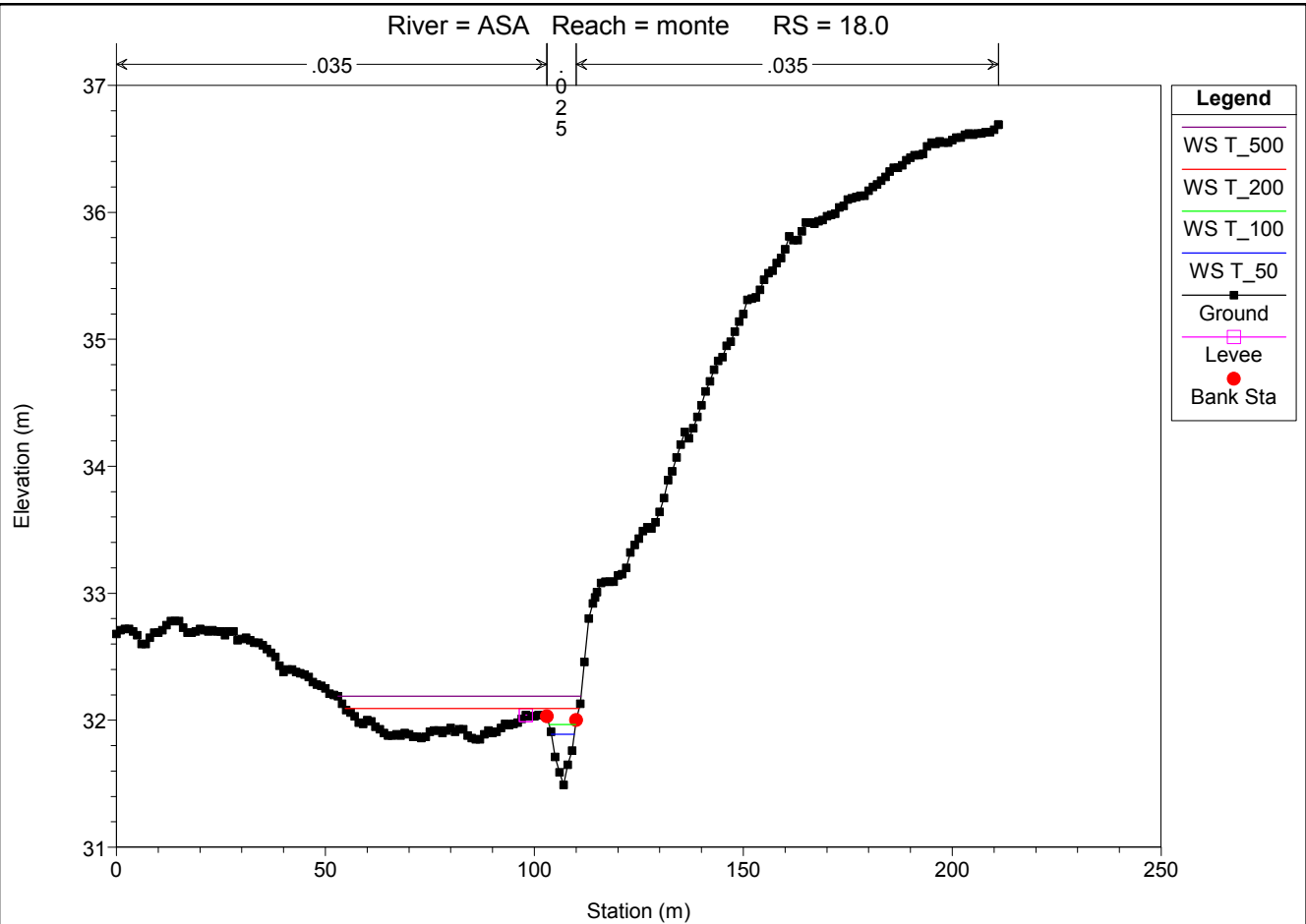


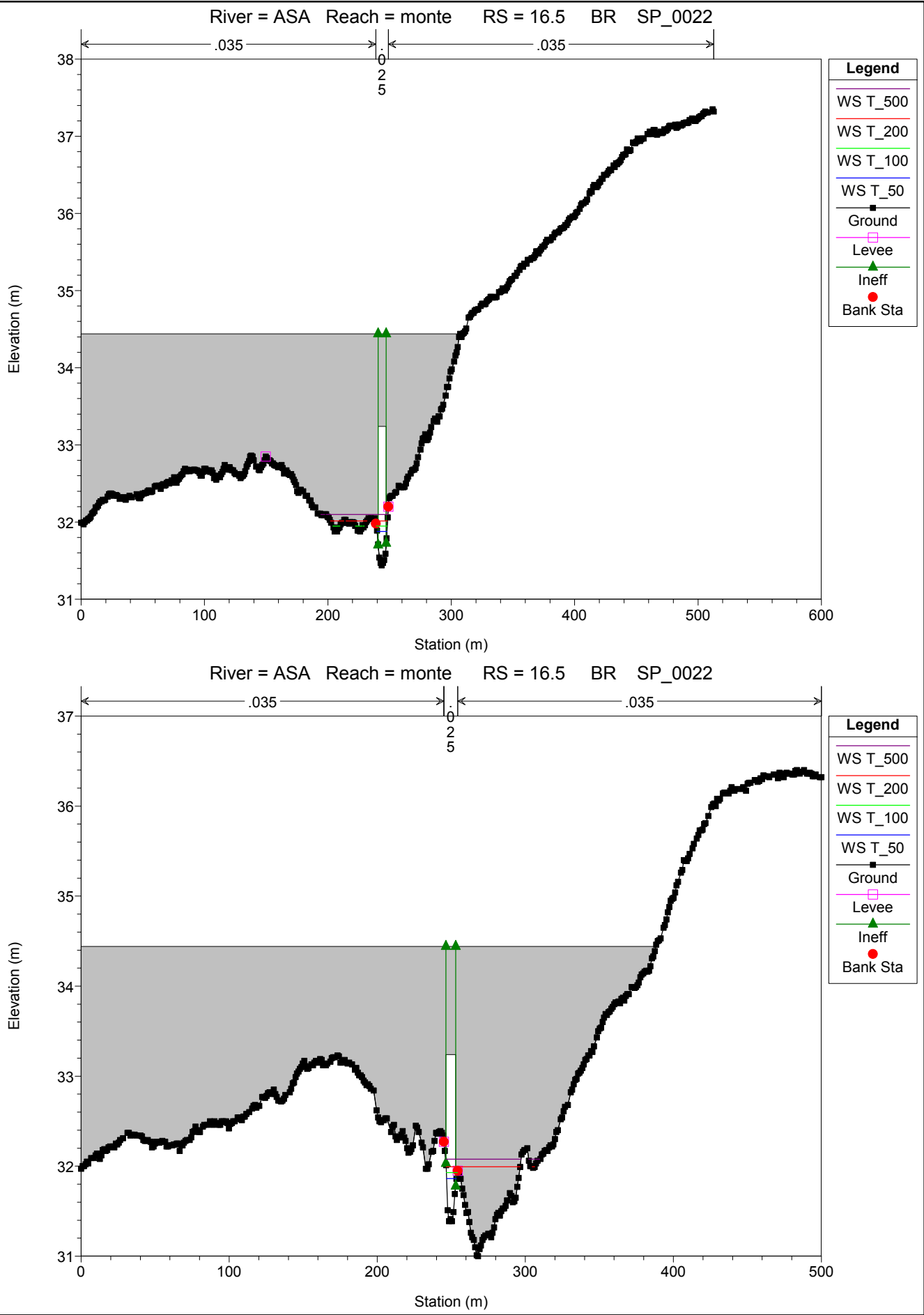


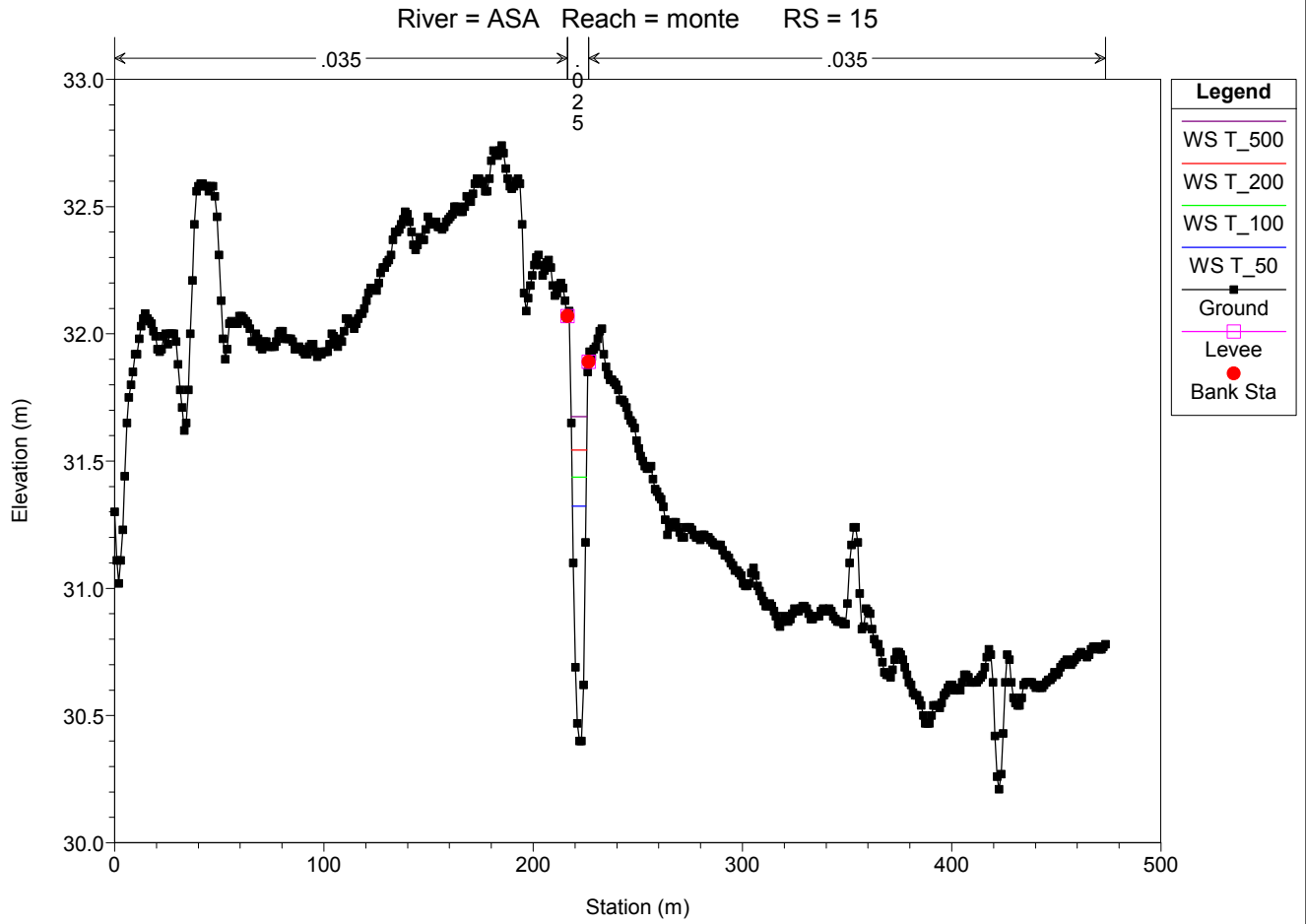
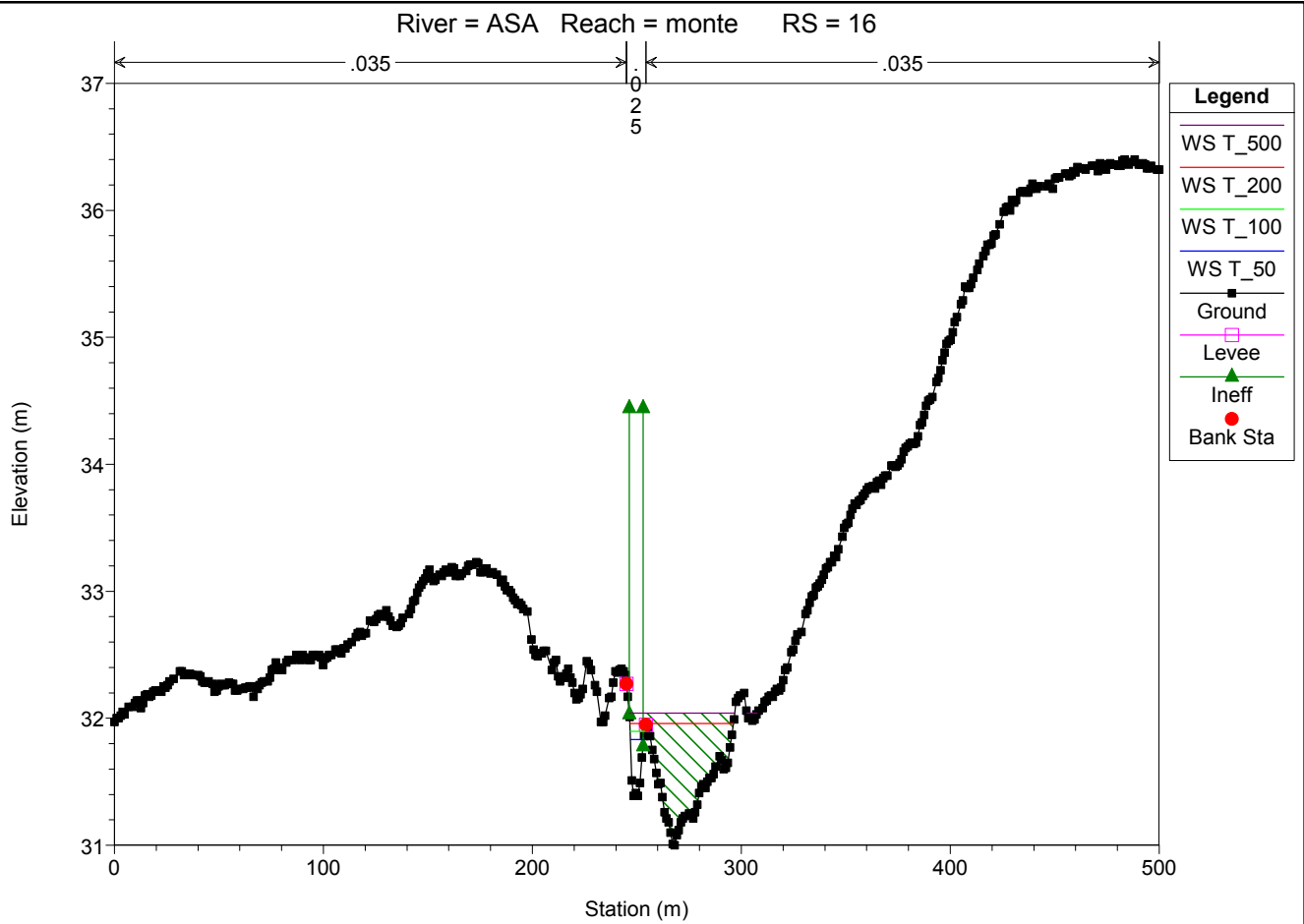


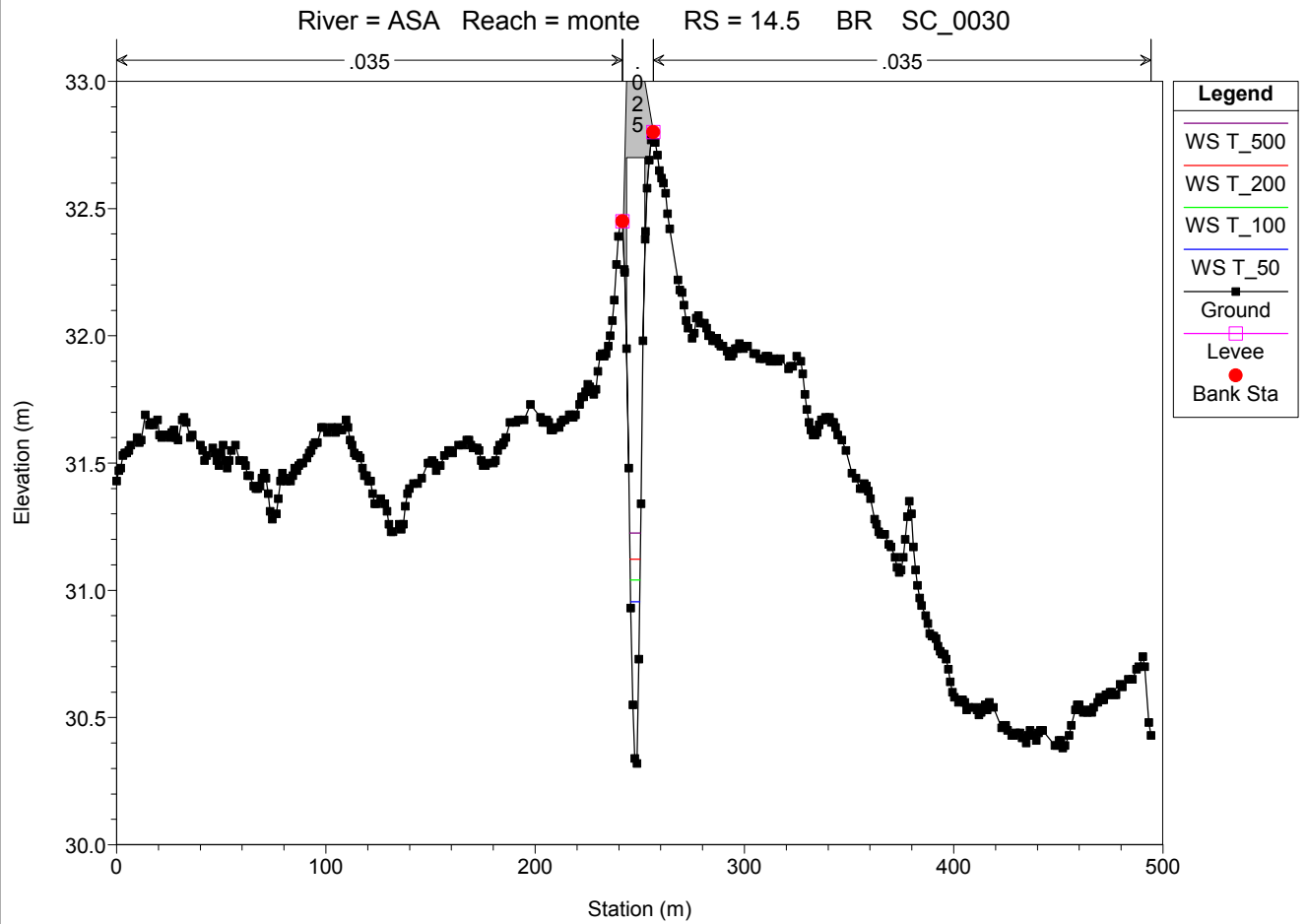
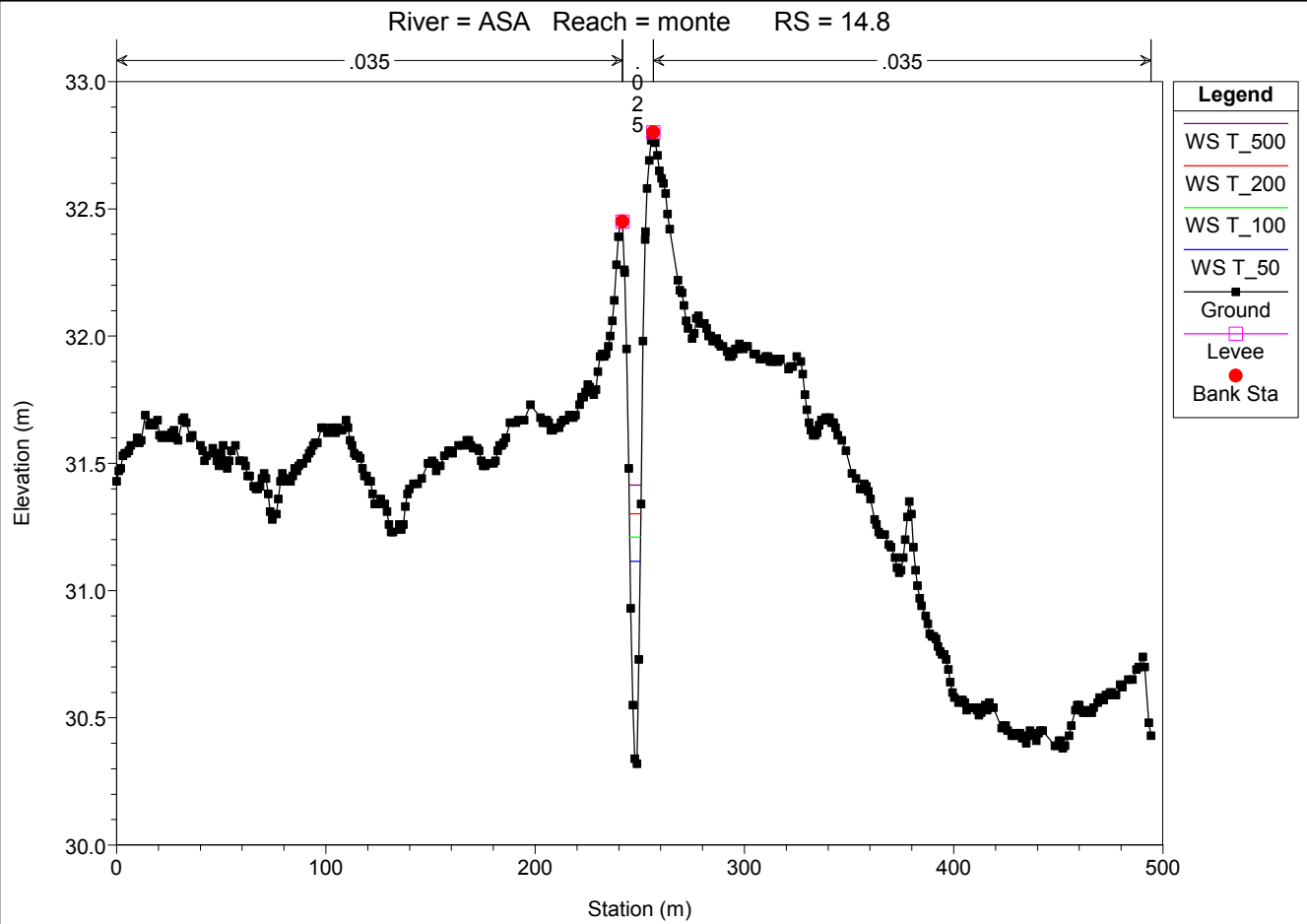


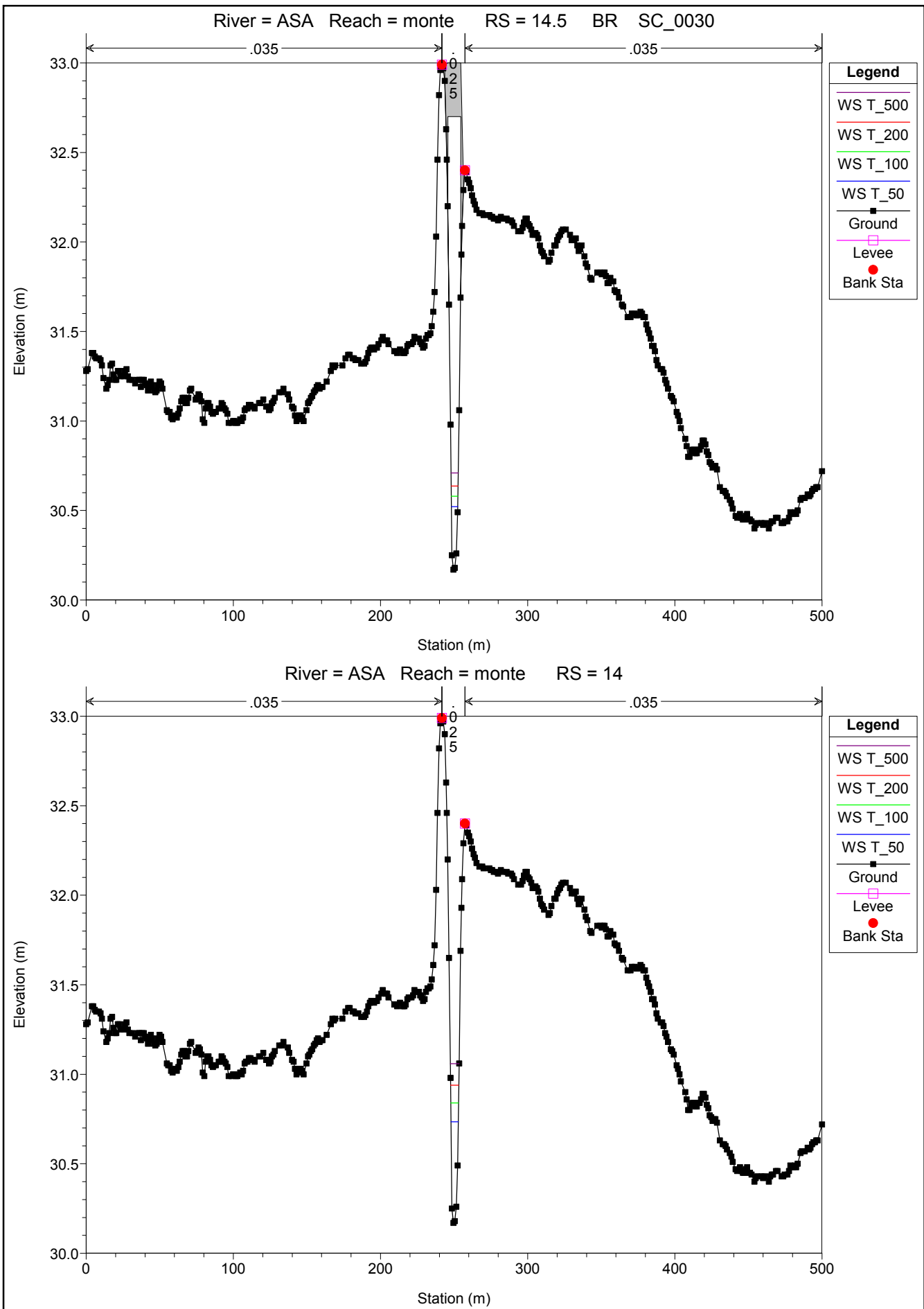


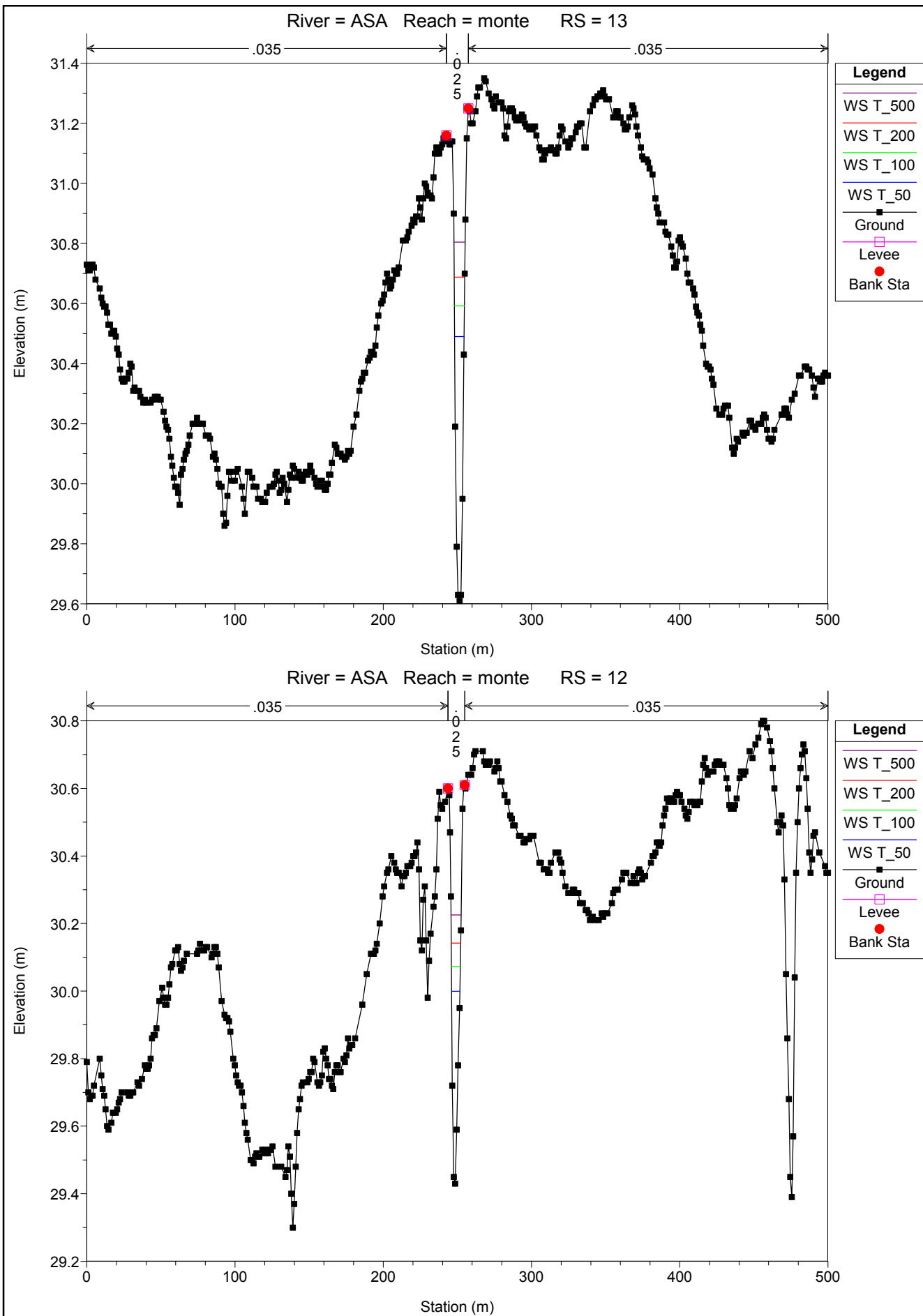


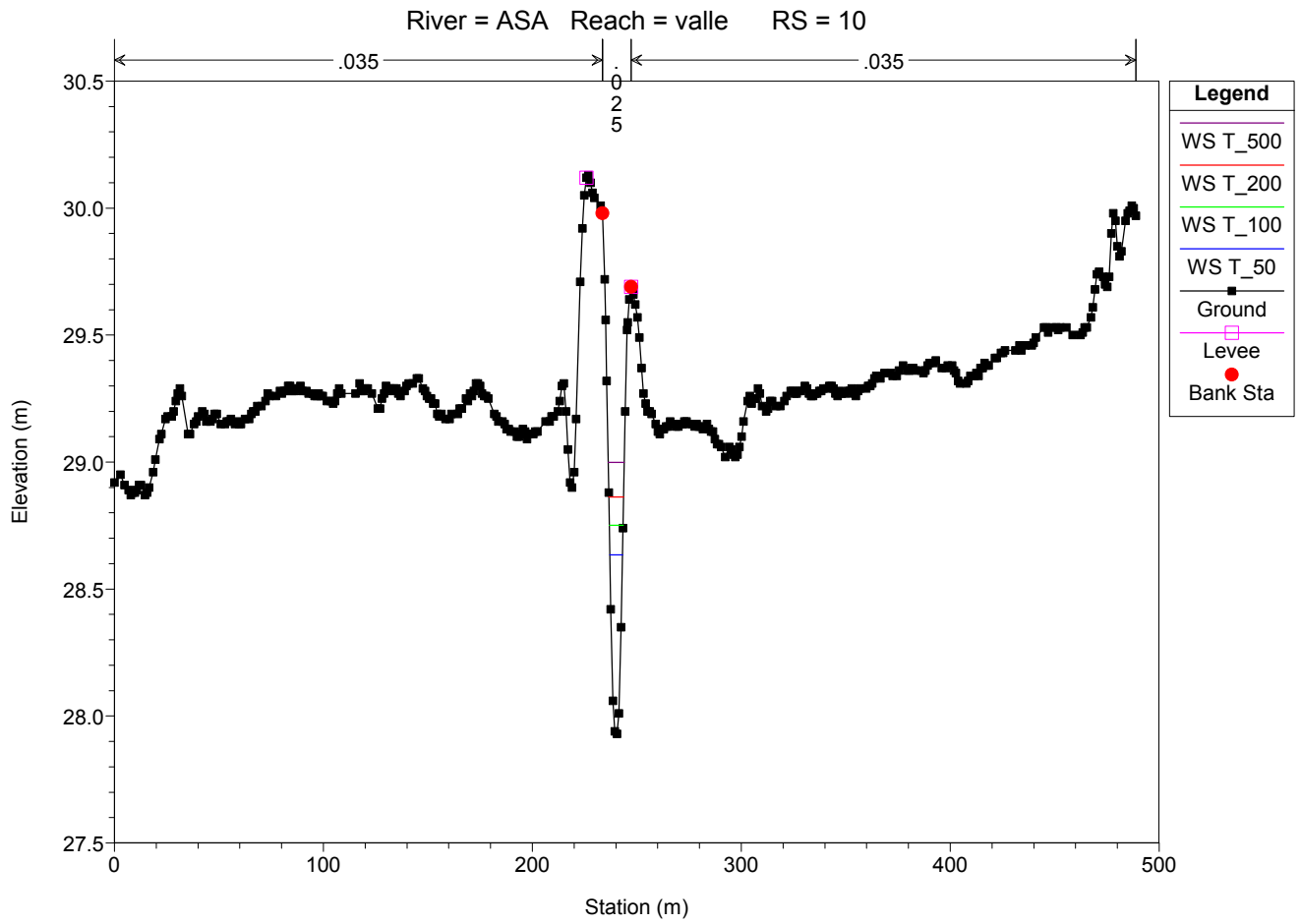
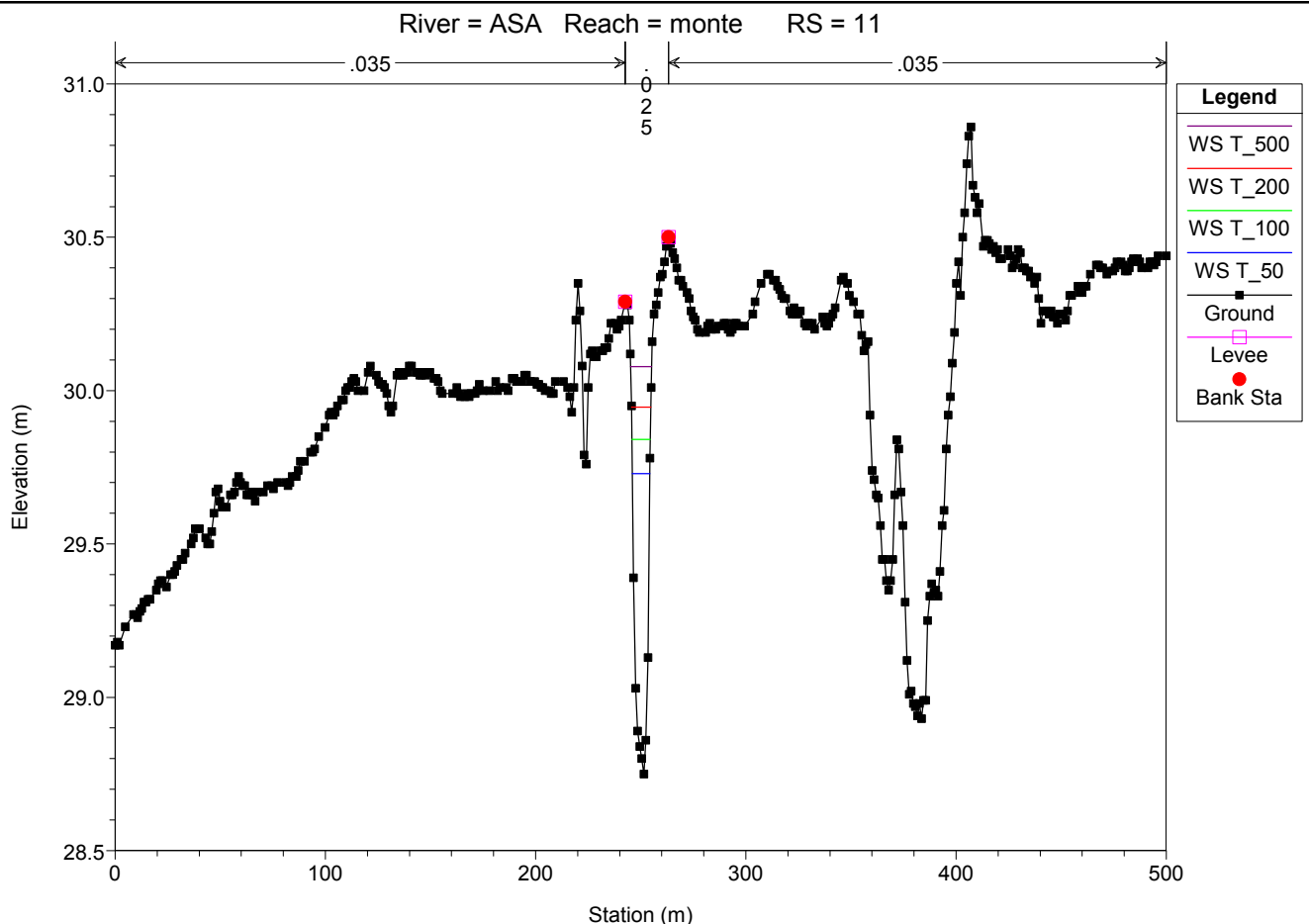


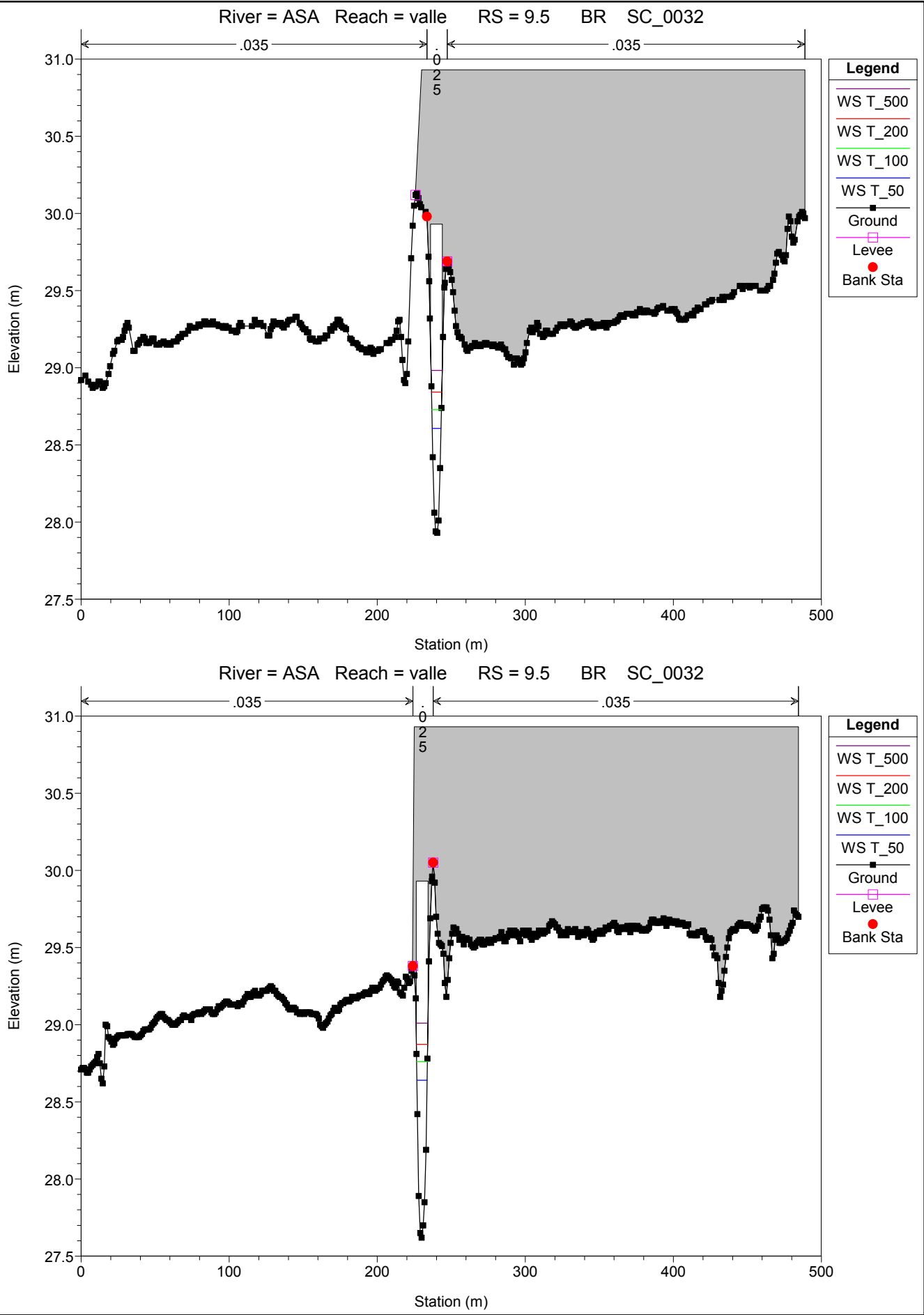


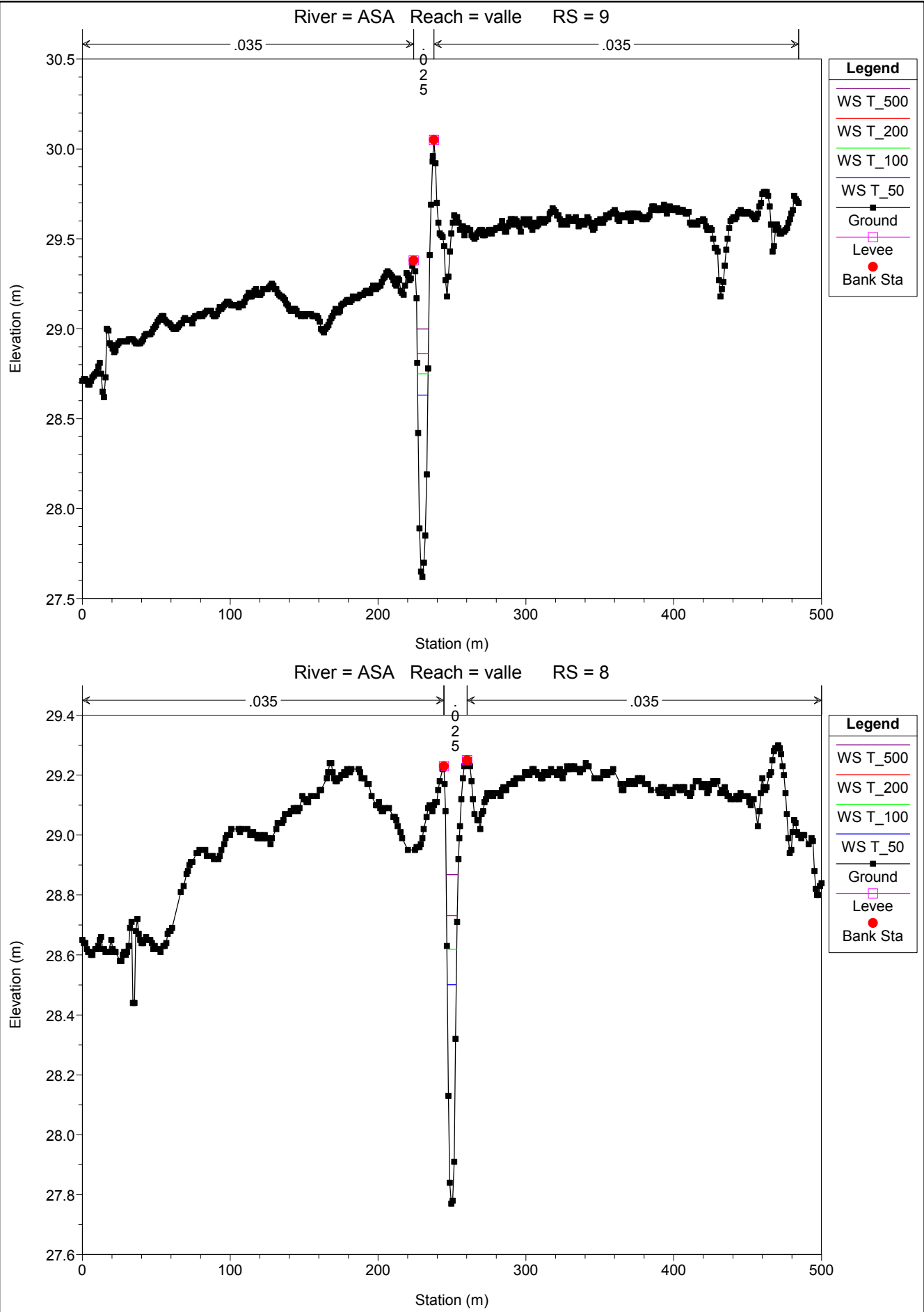


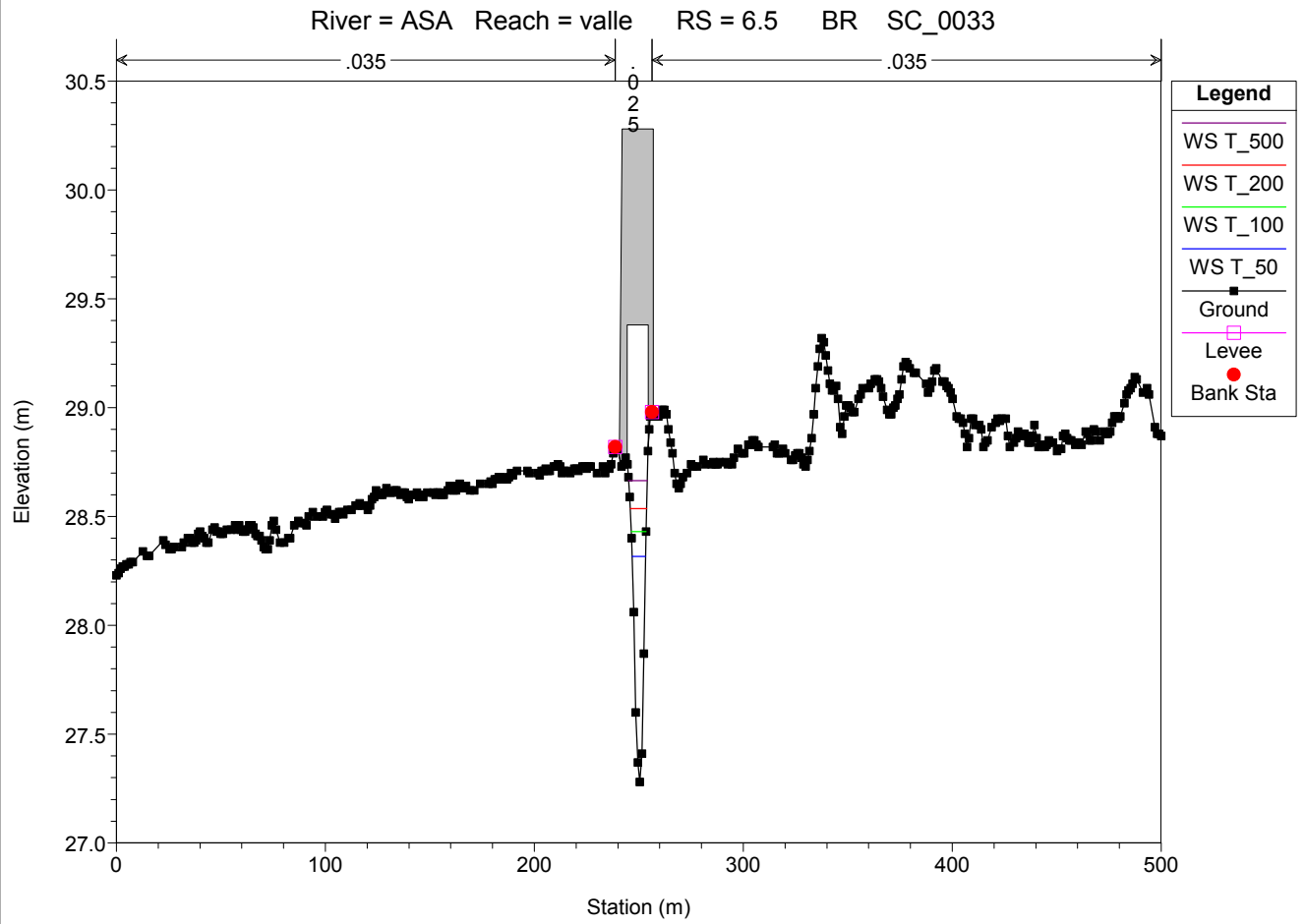
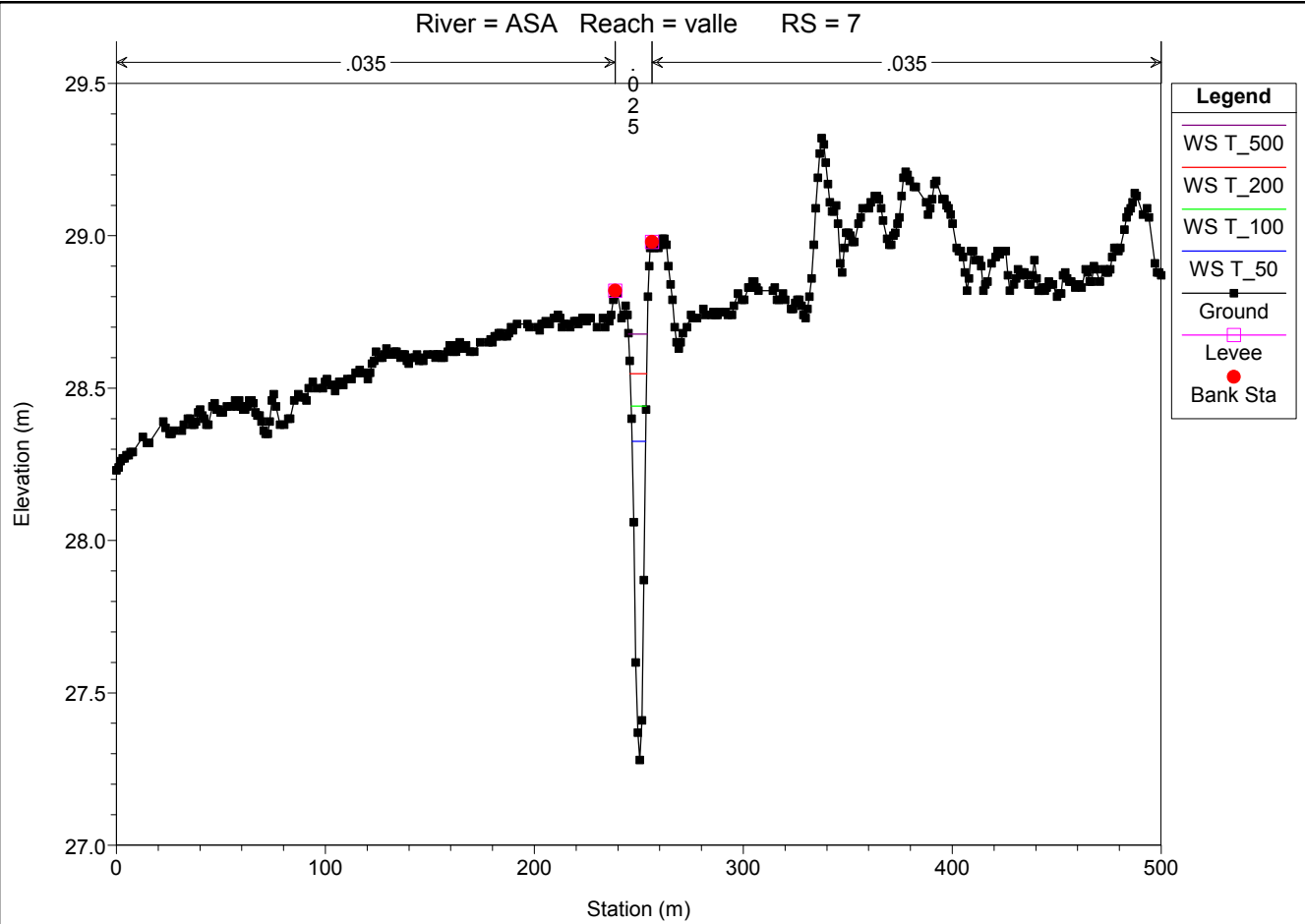


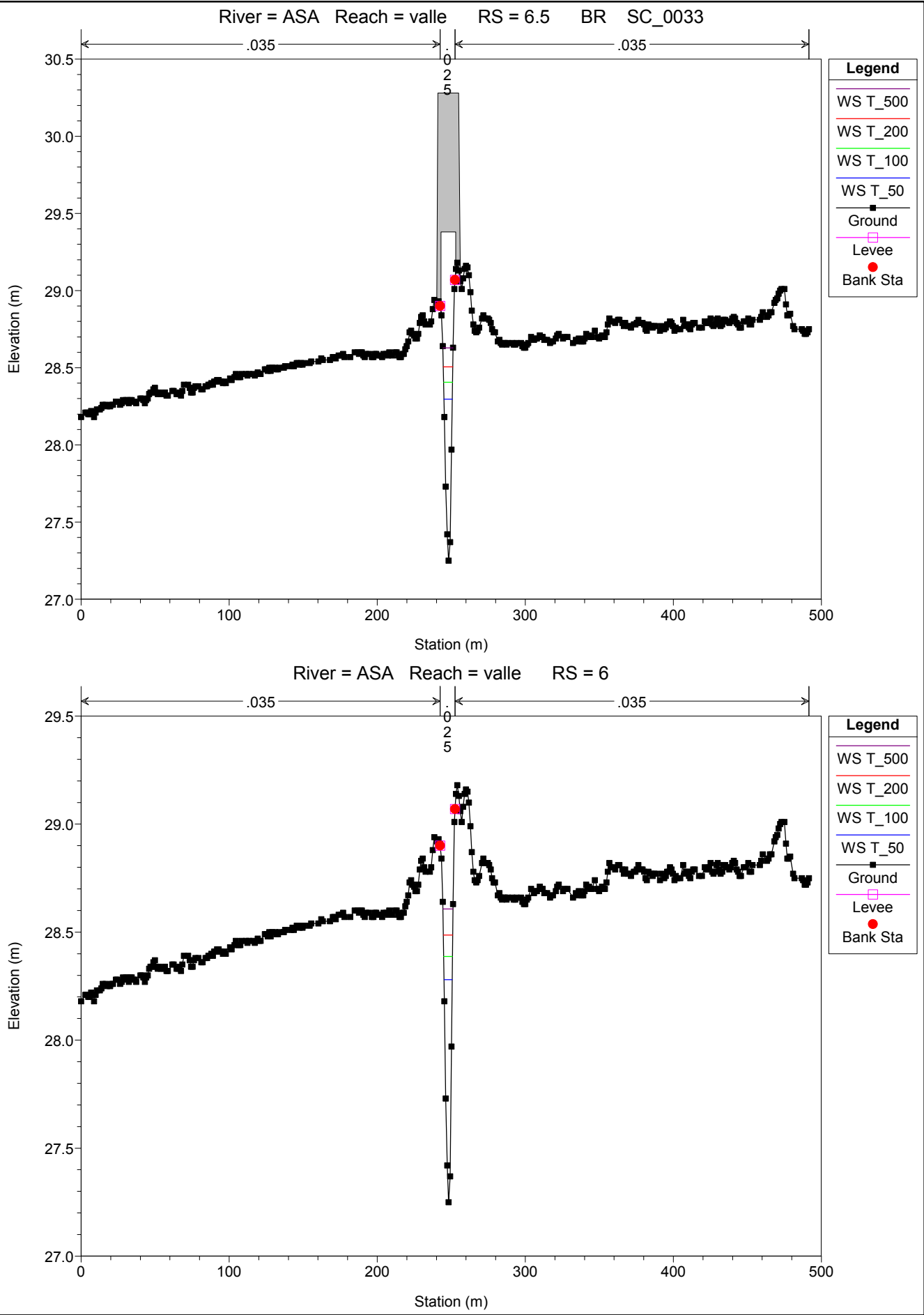


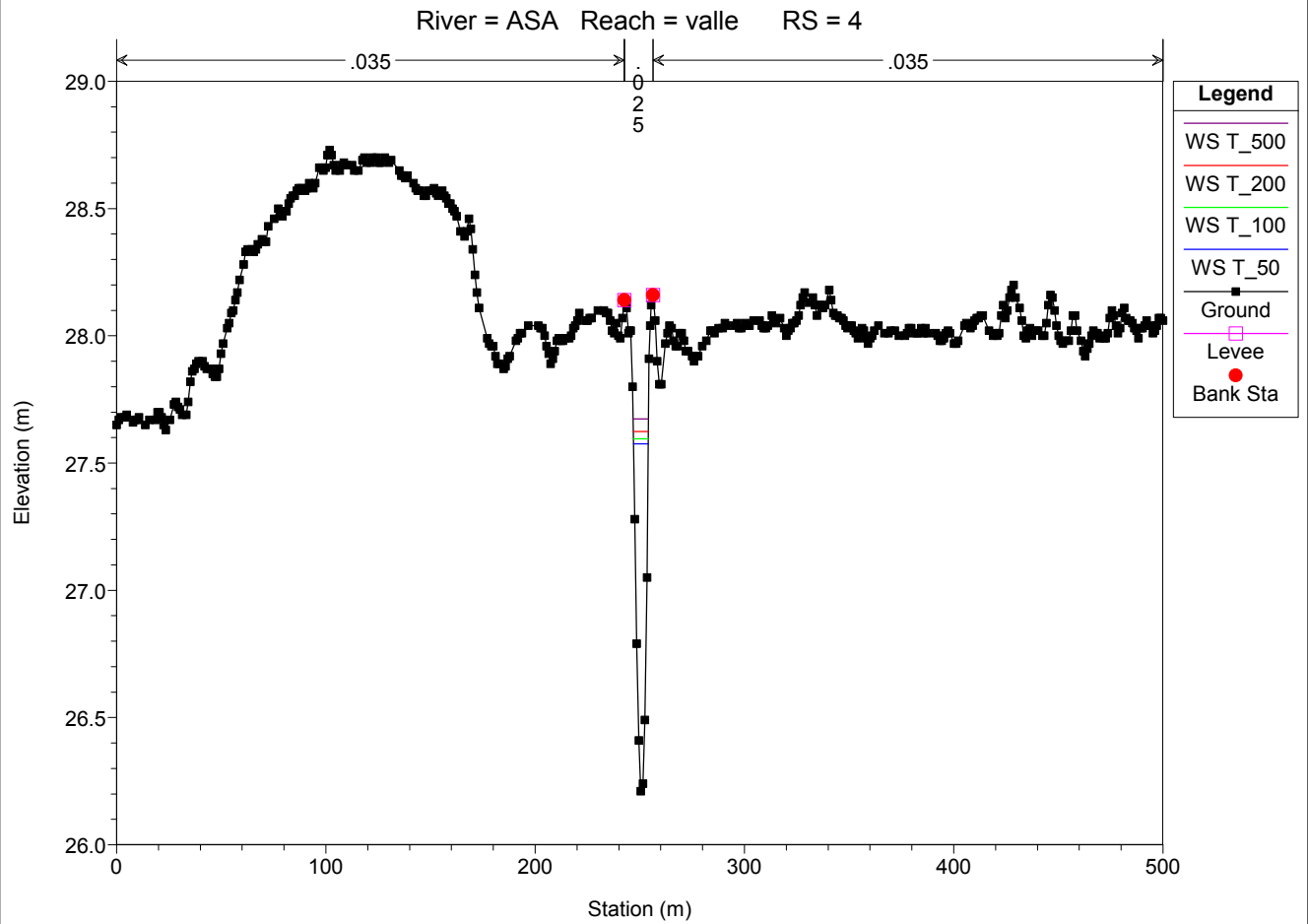
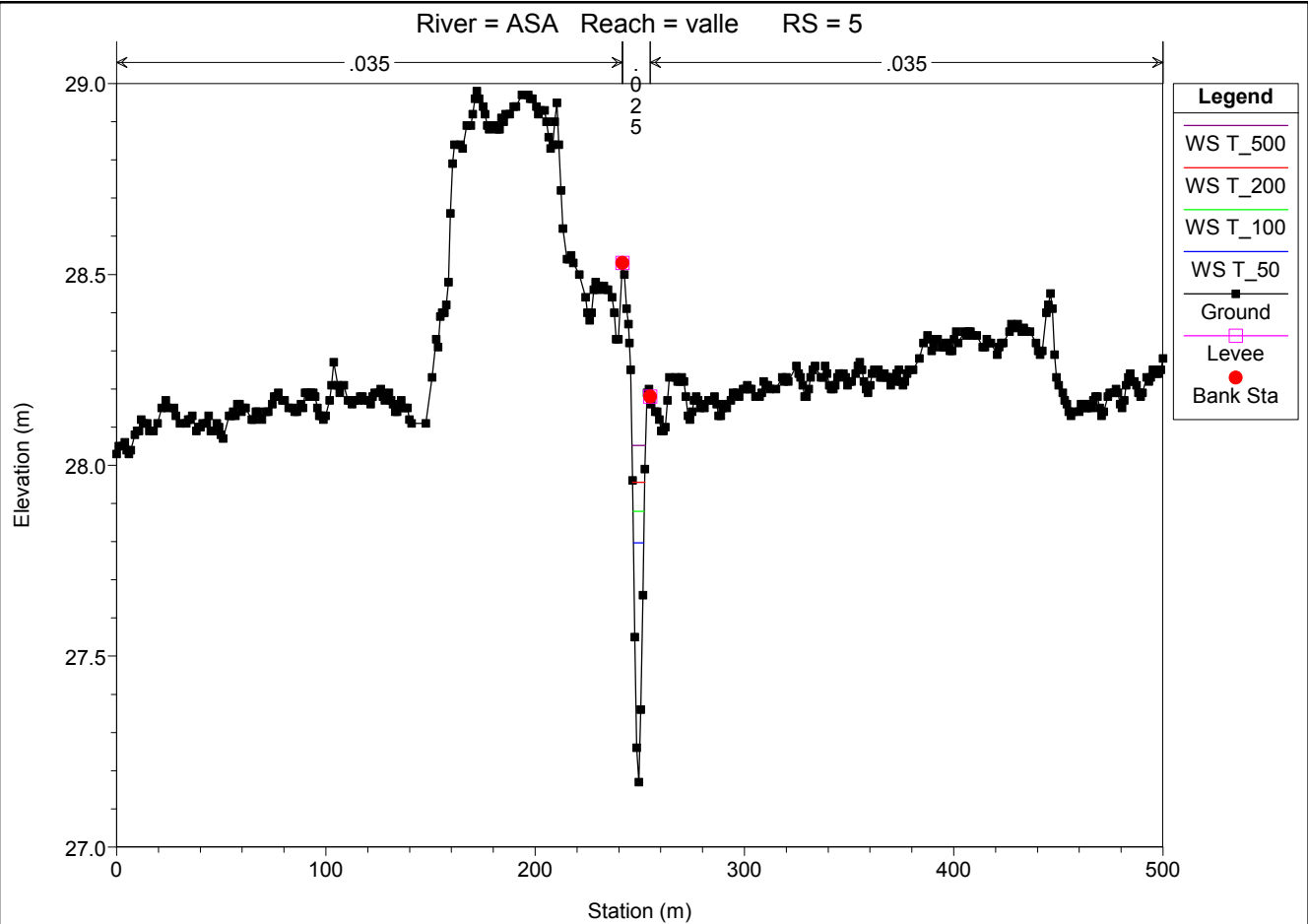


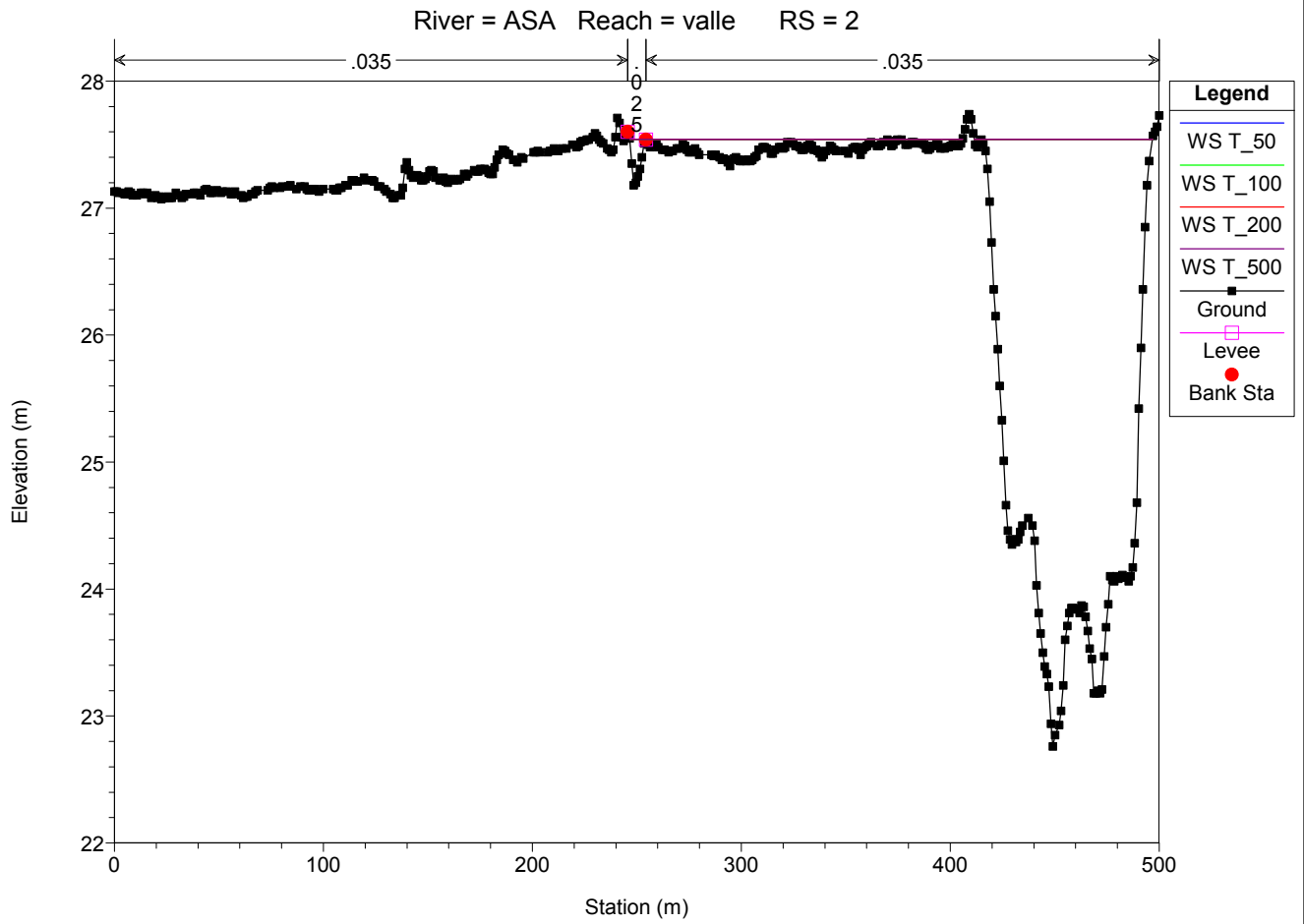
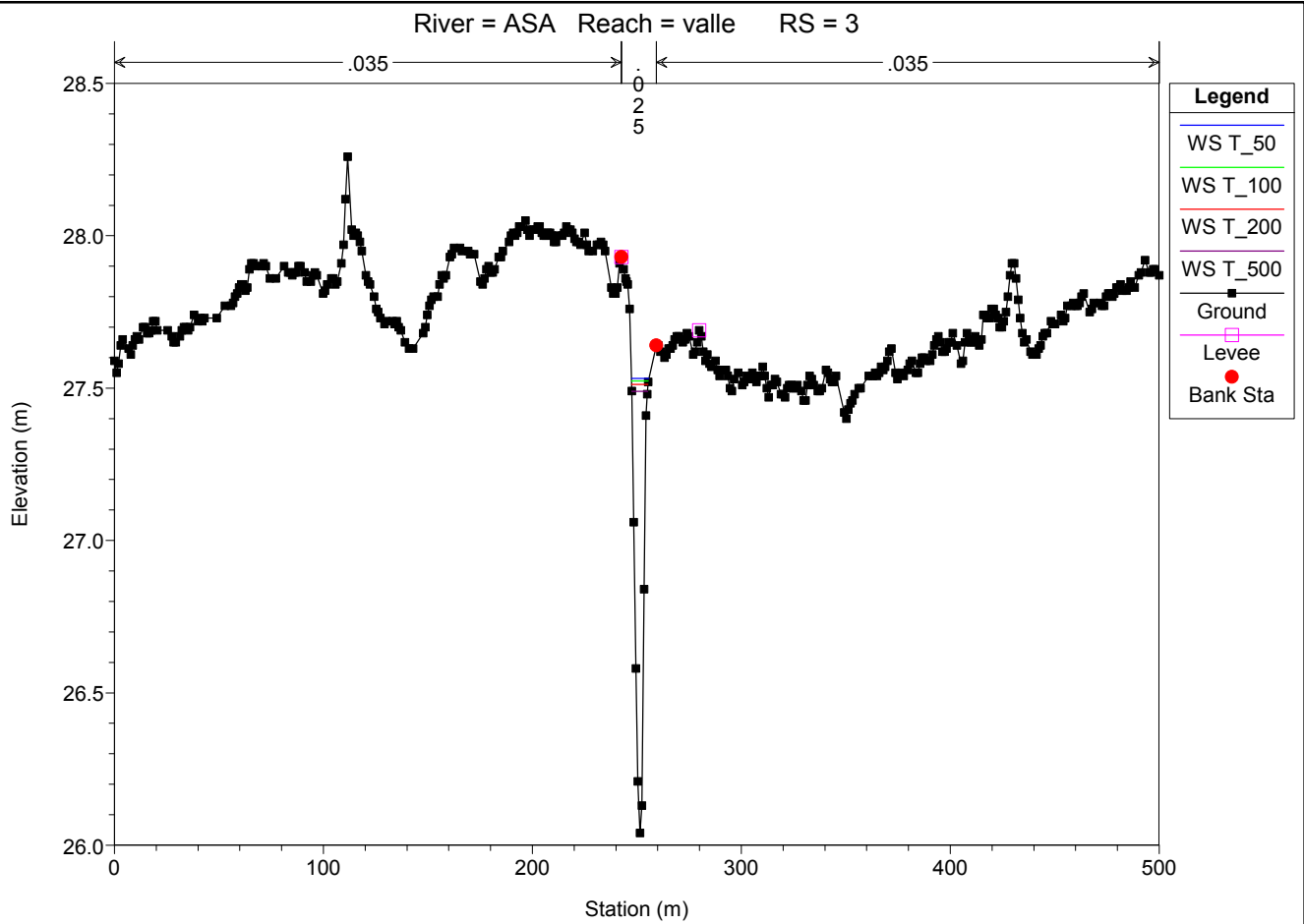


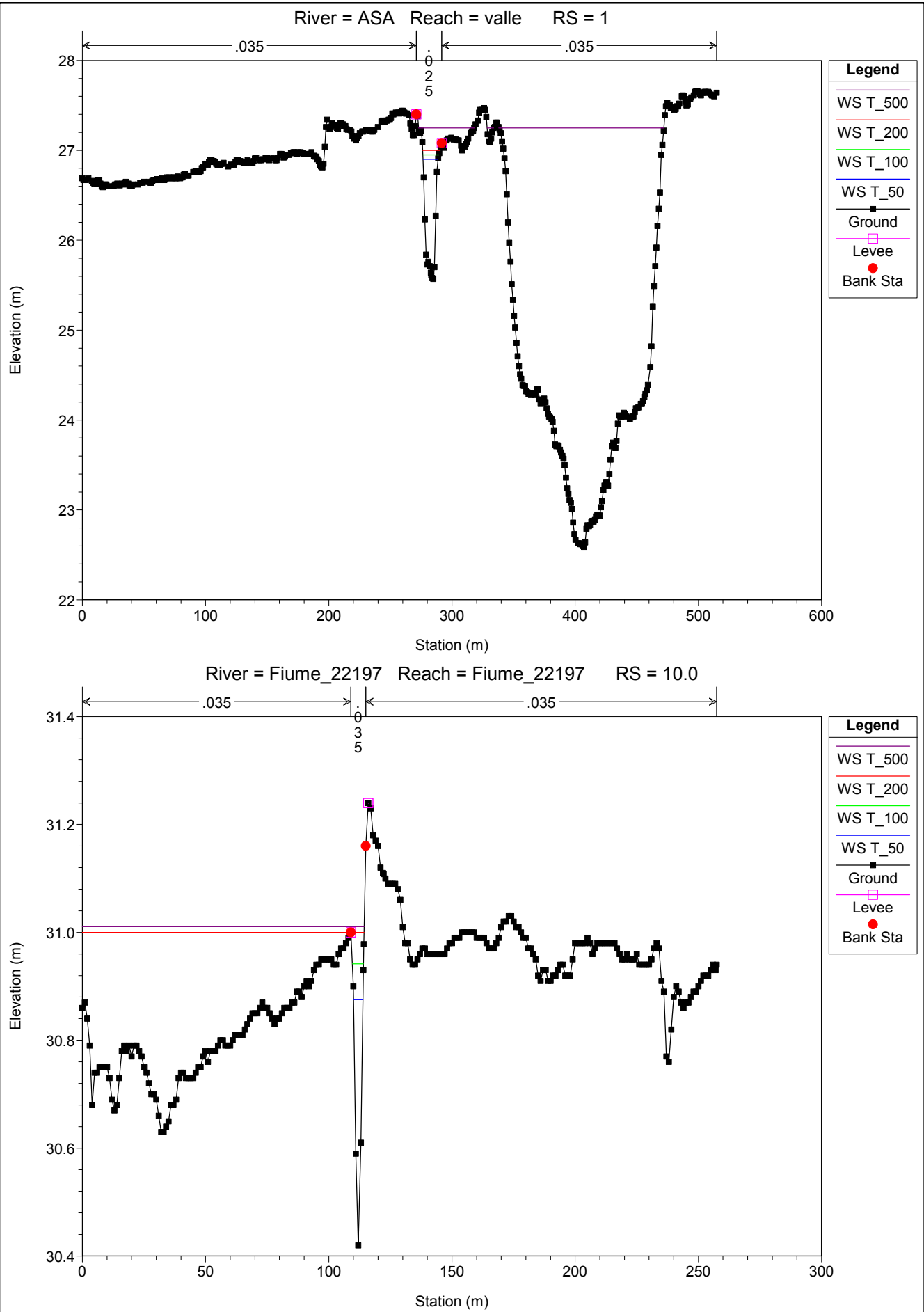


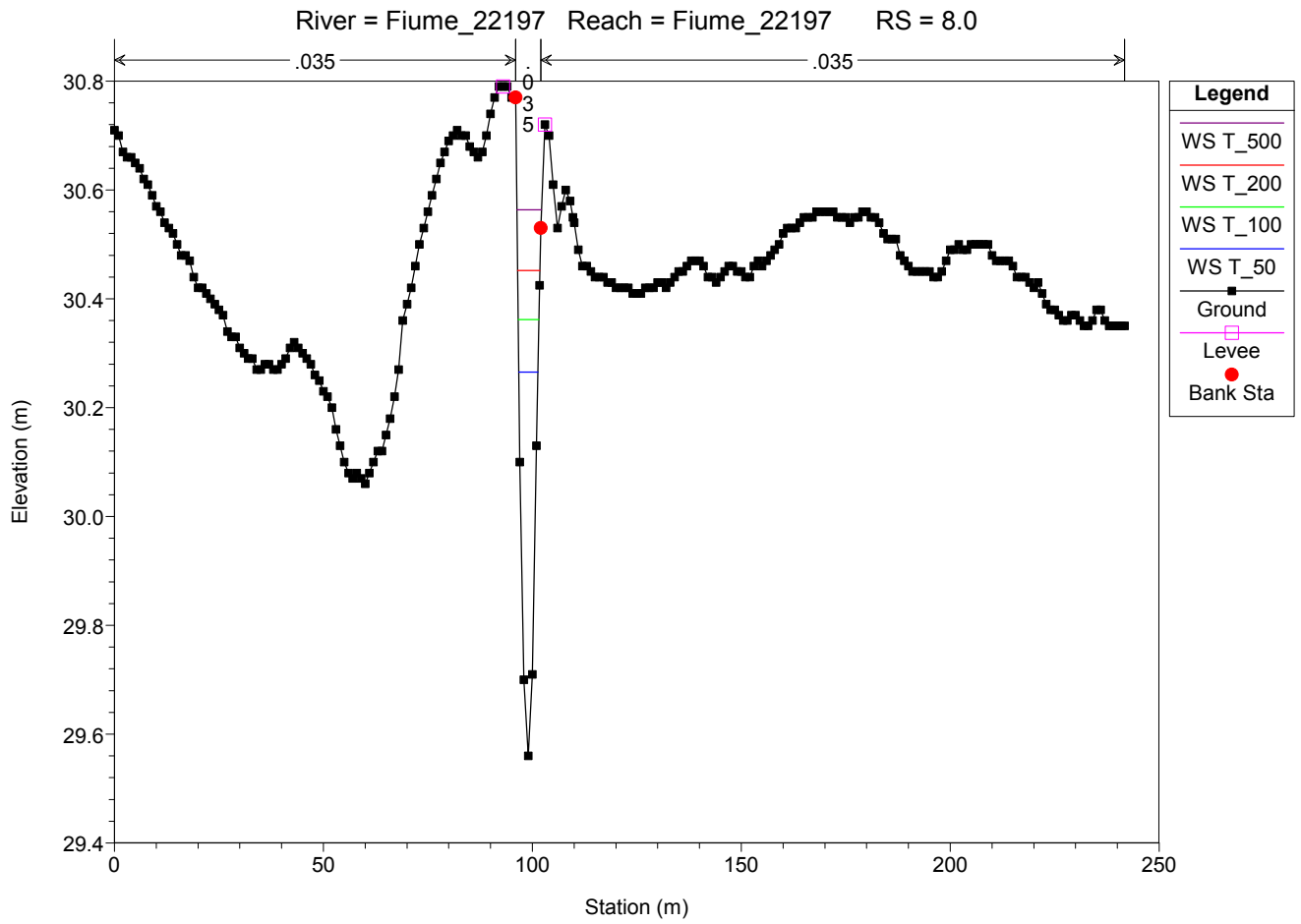
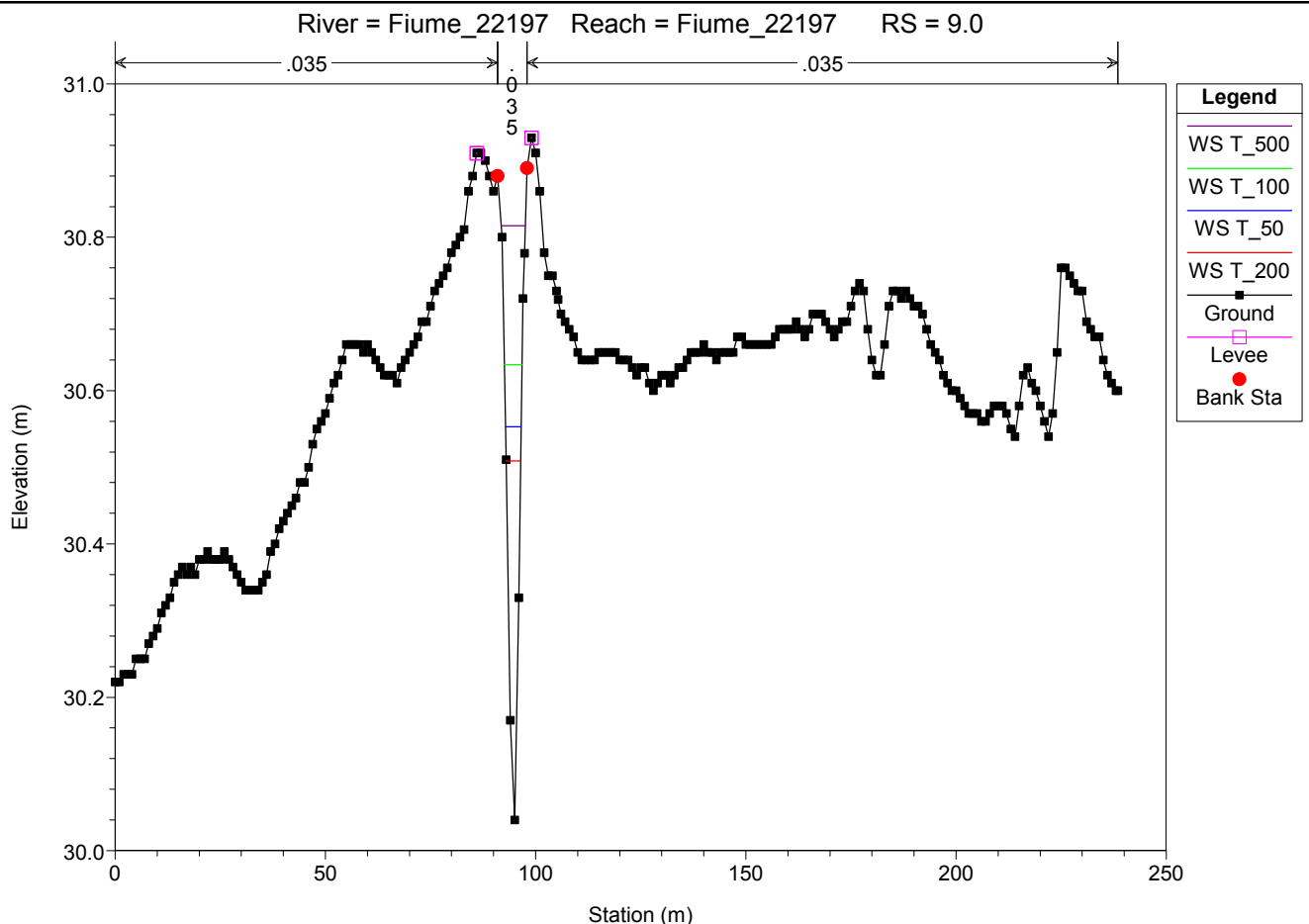


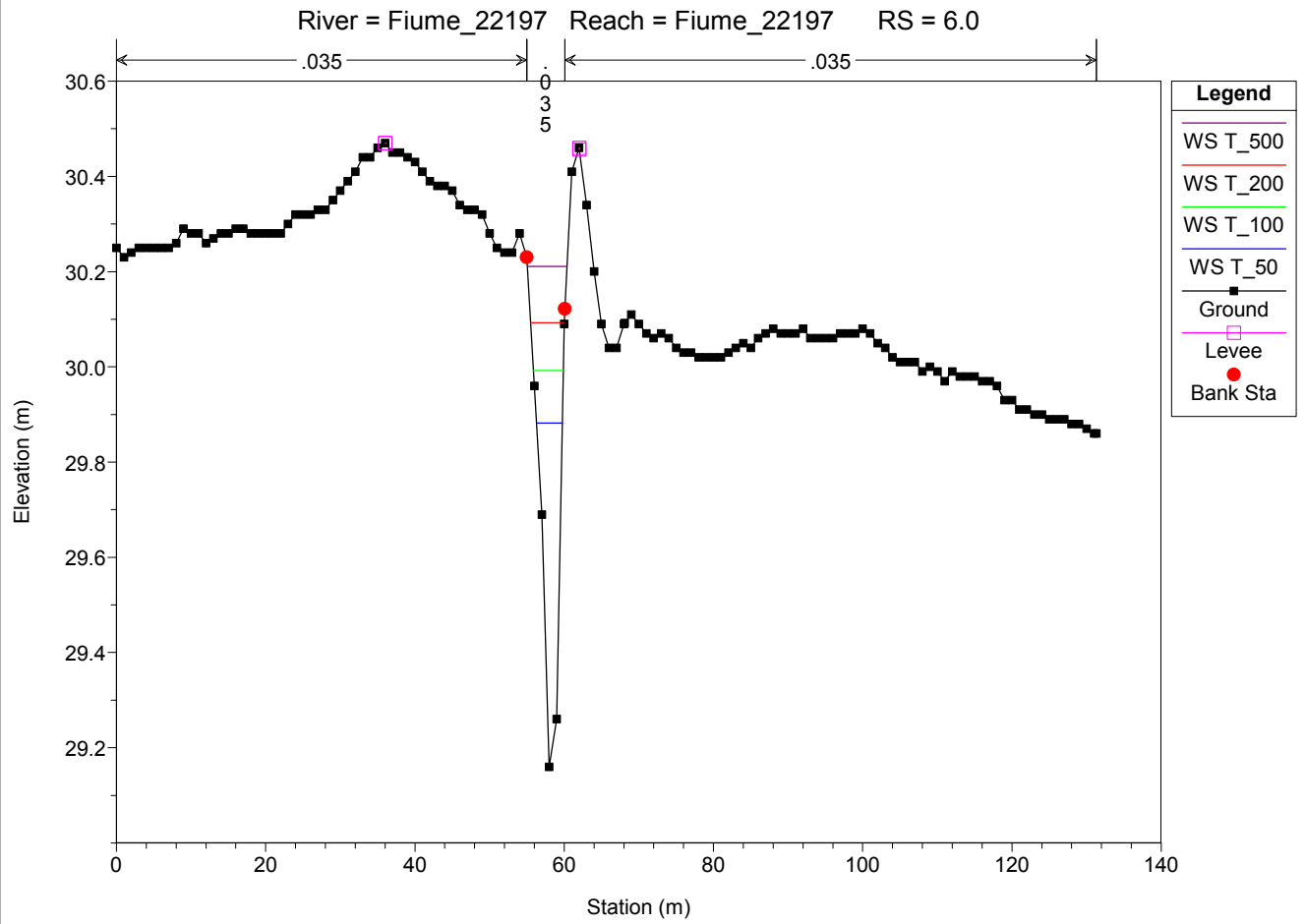
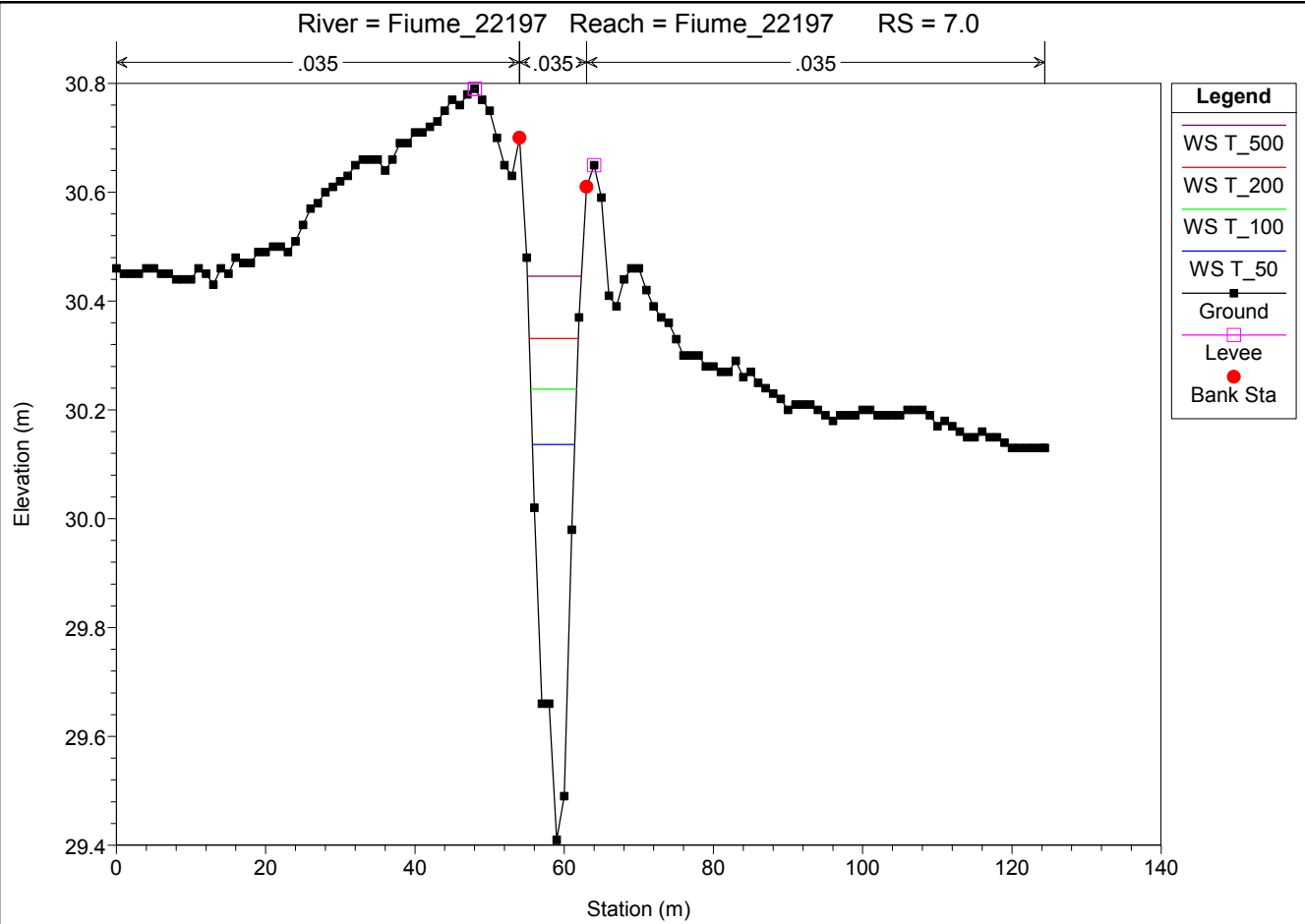


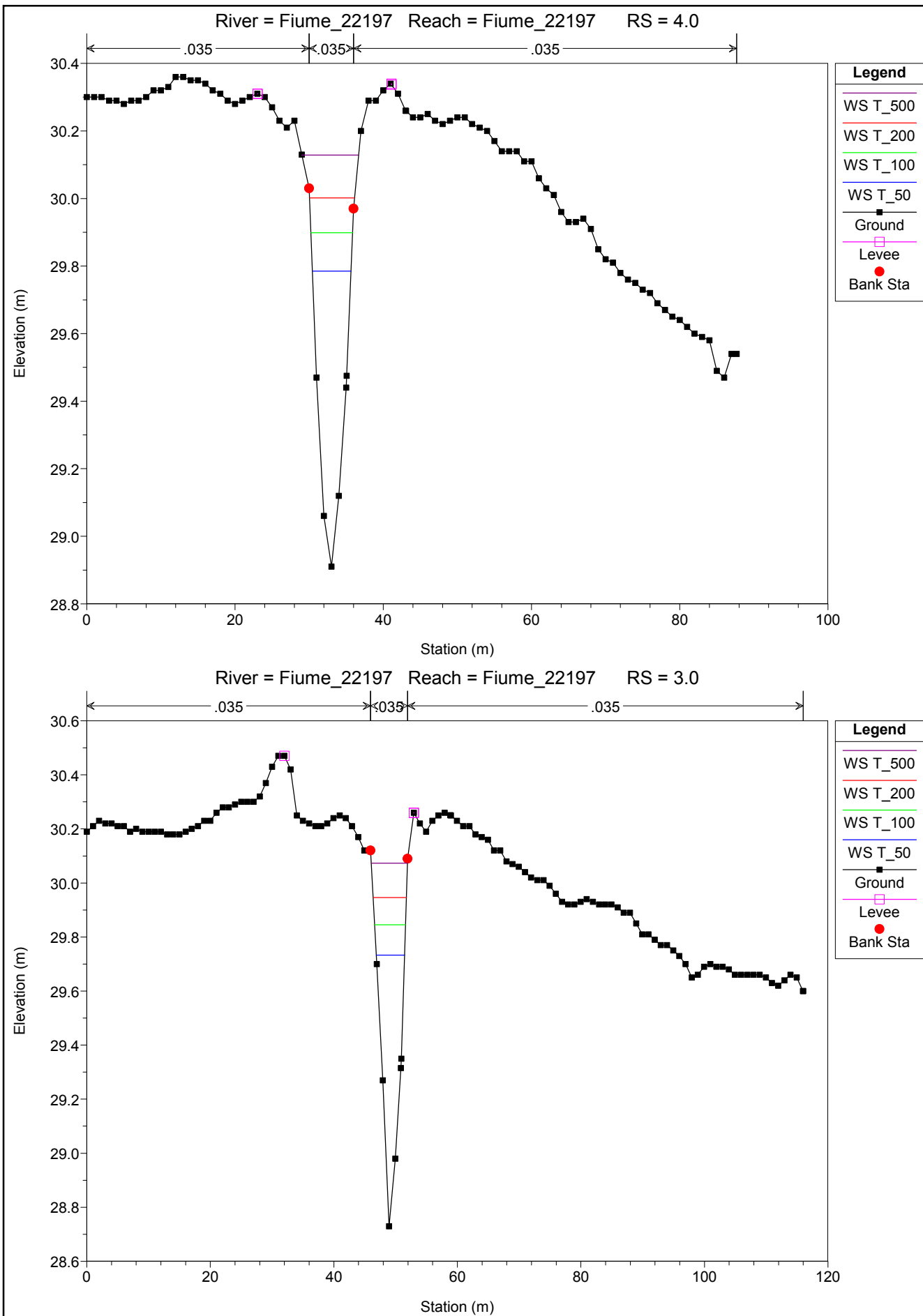


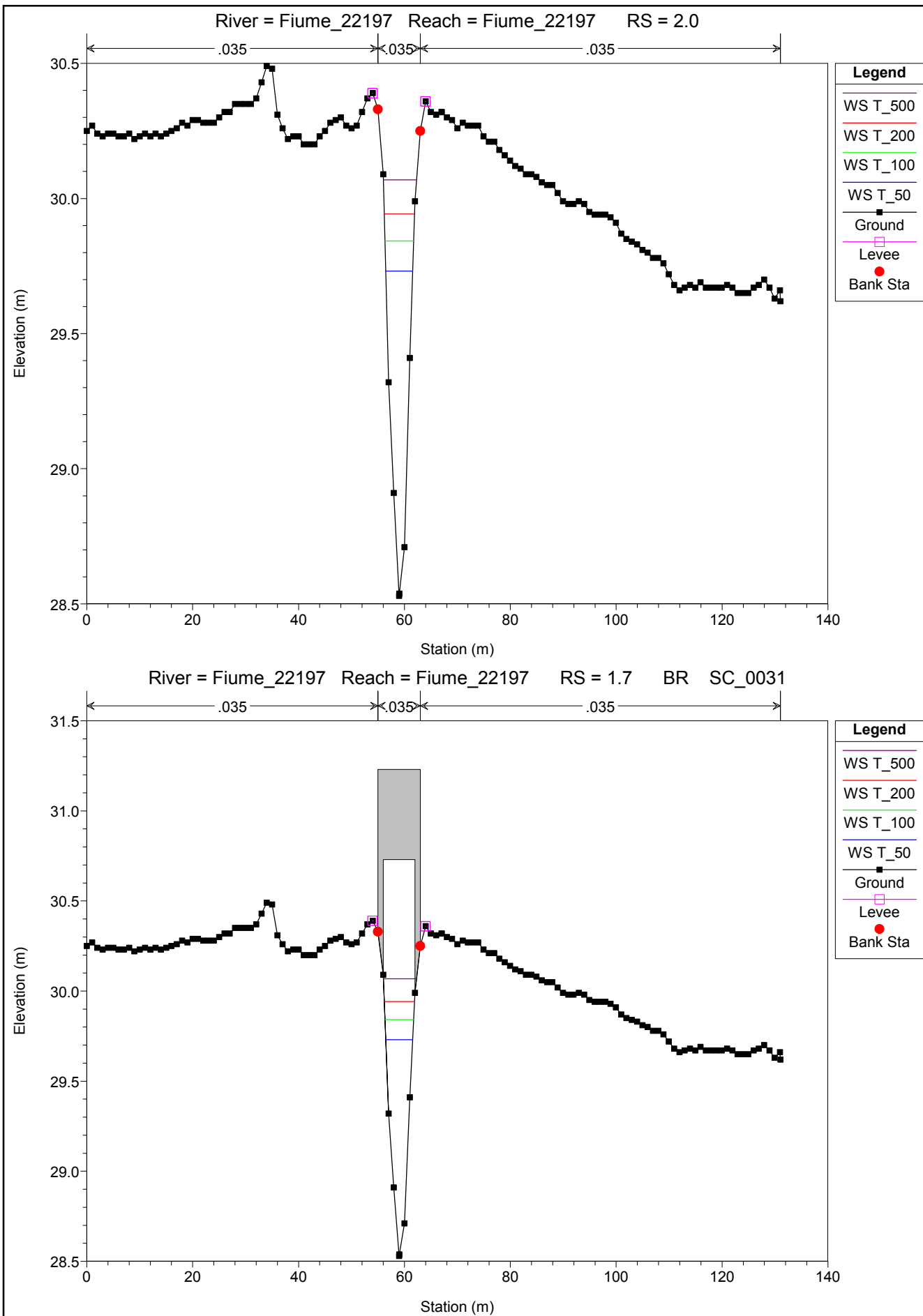




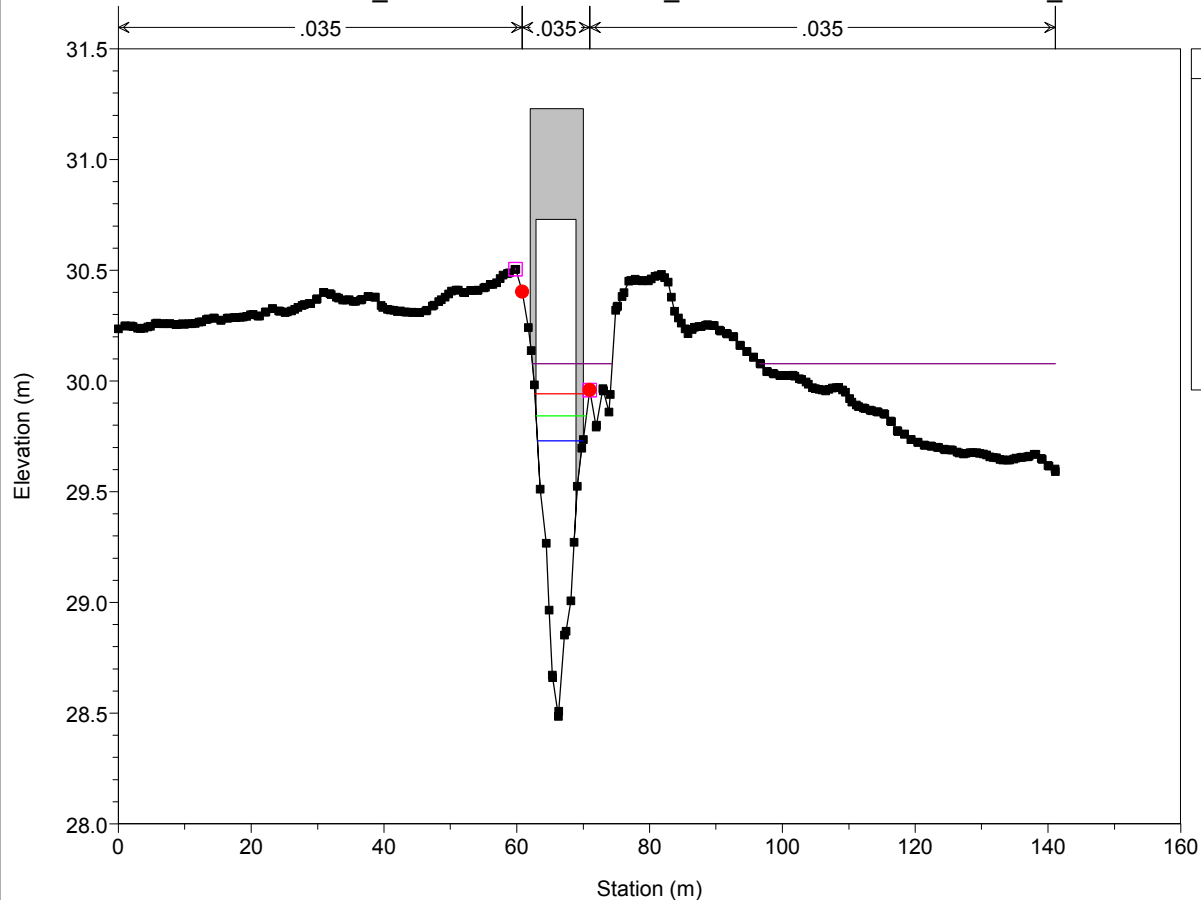








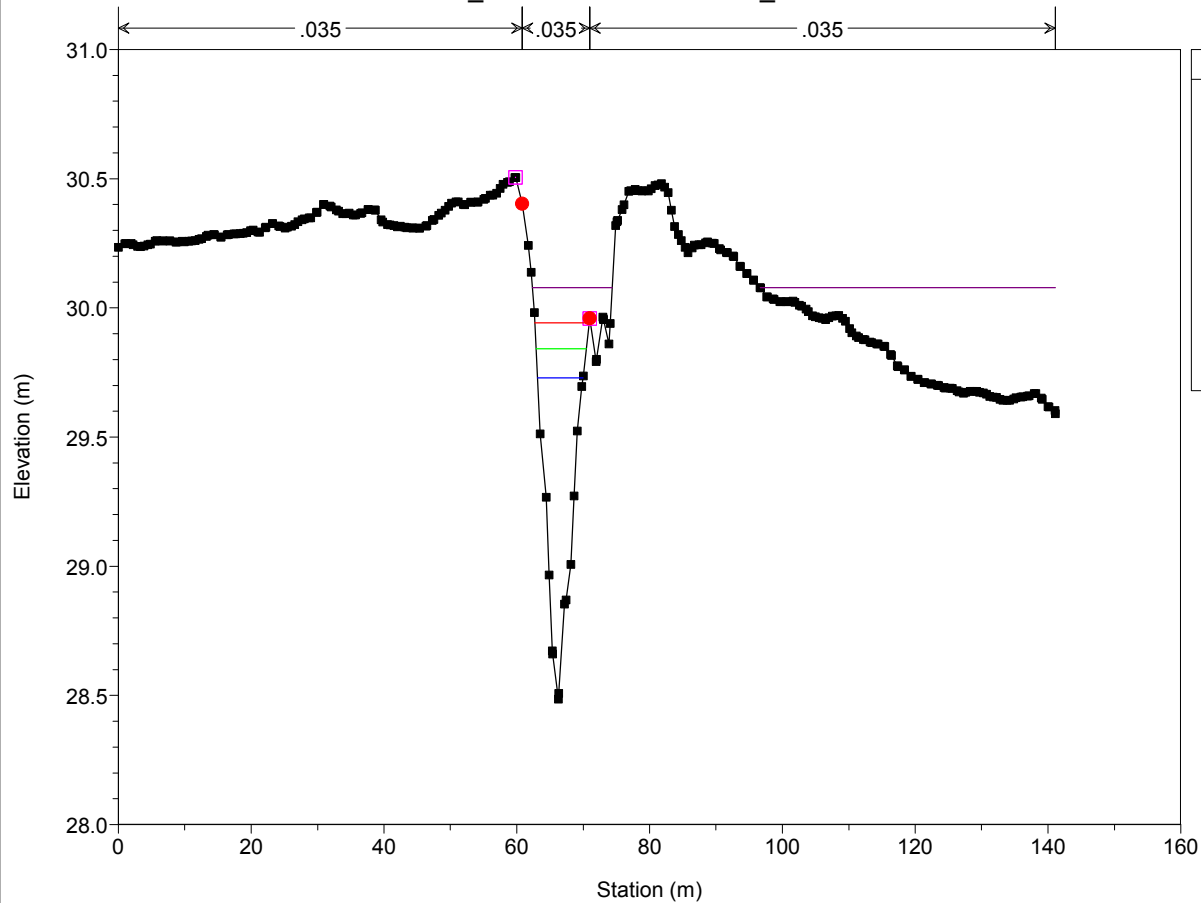
River = Fiume_22197 Reach = Fiume_22197 RS = 1.7 BR SC_0031



Legend

- WS T_500
- WS T_200
- WS T_100
- WS T_50
- Ground
- Levee
- Bank Sta

River = Fiume_22197 Reach = Fiume_22197 RS = 1.5



Legend

- WS T_500
- WS T_200
- WS T_100
- WS T_50
- Ground
- Levee
- Bank Sta

River = Fiume_22197 Reach = Fiume_22197 RS = 1.0

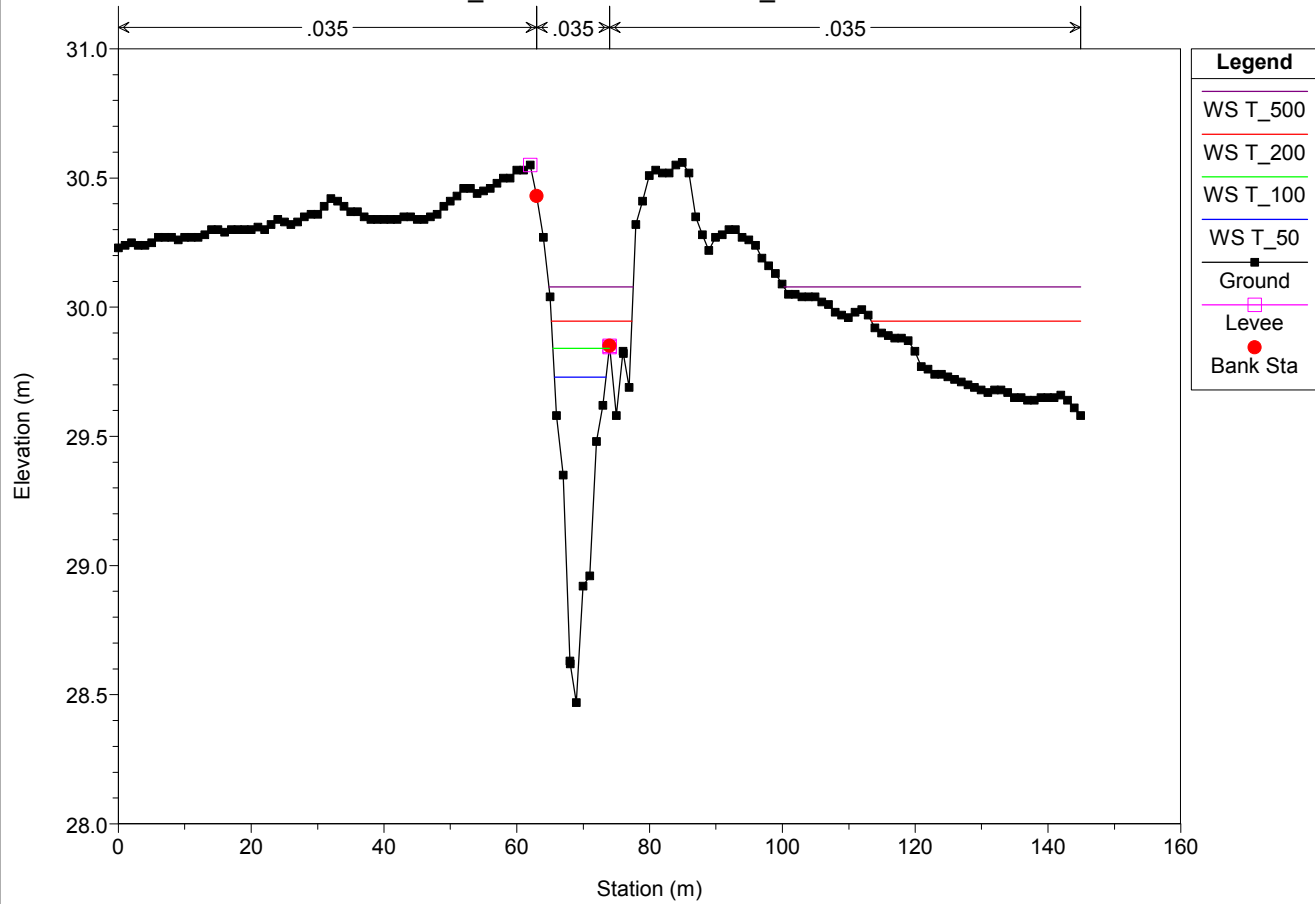


Tabelle con risultati modello idraulico per i tempi di ritorno di 50, 100, 200 e
500 anni

HEC-RAS Plan: Plan 12

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_22197	Fiume_22197	10.0	T_50	1.55	30.42	30.88	30.88	31.01	0.019629	1.59	0.97	3.75	1.00
Fiume_22197	Fiume_22197	10.0	T_100	2.05	30.42	30.94	30.94	31.08	0.019173	1.65	1.24	4.47	1.00
Fiume_22197	Fiume_22197	10.0	T_200	2.59	30.42	31.00	31.00	31.00	0.000139	0.14	22.57	114.30	0.09
Fiume_22197	Fiume_22197	10.0	T_500	3.36	30.42	31.01	31.00	31.01	0.000198	0.18	23.77	114.35	0.10
Fiume_22197	Fiume_22197	9.0	T_50	1.55	30.04	30.55	30.51	30.65	0.013199	1.41	1.10	3.72	0.83
Fiume_22197	Fiume_22197	9.0	T_100	2.05	30.04	30.63	30.57	30.74	0.011581	1.45	1.42	4.21	0.80
Fiume_22197	Fiume_22197	9.0	T_200	2.59	30.04	30.51	30.63	30.90	0.056288	2.77	0.94	3.45	1.70
Fiume_22197	Fiume_22197	9.0	T_500	3.36	30.04	30.81	30.71	30.92	0.009435	1.47	2.29	5.74	0.74
Fiume_22197	Fiume_22197	8.0	T_50	1.55	29.56	30.27	30.00	30.30	0.002315	0.77	2.02	4.59	0.37
Fiume_22197	Fiume_22197	8.0	T_100	2.05	29.56	30.36	30.06	30.40	0.002290	0.83	2.48	4.97	0.37
Fiume_22197	Fiume_22197	8.0	T_200	2.59	29.56	30.45	30.12	30.49	0.002276	0.88	2.95	5.33	0.38
Fiume_22197	Fiume_22197	8.0	T_500	3.36	29.56	30.56	30.19	30.61	0.002224	0.94	3.57	5.87	0.38
Fiume_22197	Fiume_22197	7.0	T_50	1.55	29.41	30.14	29.83	30.16	0.001471	0.62	2.51	5.65	0.30
Fiume_22197	Fiume_22197	7.0	T_100	2.05	29.41	30.24	29.88	30.26	0.001411	0.66	3.11	6.13	0.30
Fiume_22197	Fiume_22197	7.0	T_200	2.59	29.41	30.33	29.94	30.36	0.001384	0.70	3.70	6.58	0.30
Fiume_22197	Fiume_22197	7.0	T_500	3.36	29.41	30.45	30.00	30.47	0.001395	0.75	4.49	7.24	0.30
Fiume_22197	Fiume_22197	6.0	T_50	1.55	29.16	29.88	29.69	29.94	0.005386	1.08	1.43	3.46	0.54
Fiume_22197	Fiume_22197	6.0	T_100	2.05	29.16	29.99	29.77	30.06	0.004911	1.11	1.84	4.00	0.52
Fiume_22197	Fiume_22197	6.0	T_200	2.59	29.16	30.09	29.85	30.16	0.004571	1.14	2.27	4.50	0.51
Fiume_22197	Fiume_22197	6.0	T_500	3.36	29.16	30.21	29.94	30.28	0.004187	1.18	2.85	5.31	0.50
Fiume_22197	Fiume_22197	4.0	T_50	1.55	28.91	29.78	29.37	29.80	0.000939	0.55	2.80	5.21	0.24
Fiume_22197	Fiume_22197	4.0	T_100	2.05	28.91	29.90	29.43	29.92	0.000942	0.60	3.41	5.63	0.25
Fiume_22197	Fiume_22197	4.0	T_200	2.59	28.91	30.00	29.49	30.02	0.000950	0.65	4.01	6.08	0.25
Fiume_22197	Fiume_22197	4.0	T_500	3.36	28.91	30.13	29.56	30.15	0.000898	0.70	4.88	7.68	0.25
Fiume_22197	Fiume_22197	3.0	T_50	1.55	28.73	29.73	29.31	29.75	0.001159	0.61	2.53	4.60	0.26
Fiume_22197	Fiume_22197	3.0	T_100	2.05	28.73	29.85	29.37	29.87	0.001201	0.67	3.07	5.01	0.27
Fiume_22197	Fiume_22197	3.0	T_200	2.59	28.73	29.95	29.44	29.97	0.001253	0.72	3.59	5.39	0.28
Fiume_22197	Fiume_22197	3.0	T_500	3.36	28.73	30.07	29.52	30.10	0.001292	0.78	4.31	5.86	0.29
Fiume_22197	Fiume_22197	2.0	T_50	1.55	28.53	29.73	29.06	29.74	0.000416	0.43	3.61	5.09	0.16
Fiume_22197	Fiume_22197	2.0	T_100	2.05	28.53	29.84	29.13	29.85	0.000483	0.49	4.19	5.42	0.18
Fiume_22197	Fiume_22197	2.0	T_200	2.59	28.53	29.94	29.20	29.96	0.000549	0.55	4.75	5.73	0.19
Fiume_22197	Fiume_22197	2.0	T_500	3.36	28.53	30.07	29.28	30.09	0.000638	0.61	5.51	6.28	0.21
Fiume_22197	Fiume_22197	1.7	Bridge										
Fiume_22197	Fiume_22197	1.5	T_50	1.55	28.49	29.73	29.03	29.74	0.000308	0.35	4.38	6.88	0.14
Fiume_22197	Fiume_22197	1.5	T_100	2.05	28.49	29.84	29.09	29.85	0.000348	0.40	5.19	7.58	0.15
Fiume_22197	Fiume_22197	1.5	T_200	2.59	28.49	29.94	29.15	29.95	0.000384	0.43	5.98	8.19	0.16
Fiume_22197	Fiume_22197	1.5	T_500	3.36	28.49	30.08	29.22	30.08	0.000108	0.25	19.93	56.48	0.09
Fiume_22197	Fiume_22197	1.0	T_50	1.55	28.47	29.73		29.73	0.000278	0.33	4.74	7.78	0.13

HEC-RAS Plan: Plan 12 (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
Fiume_22197	Fiume_22197	1.0	T_100	2.05	28.47	29.84		29.85	0.000304	0.36	5.65	8.51	0.14
Fiume_22197	Fiume_22197	1.0	T_200	2.59	28.47	29.95		29.95	0.000131	0.26	14.20	43.63	0.10
Fiume_22197	Fiume_22197	1.0	T_500	3.36	28.47	30.08		30.08	0.000094	0.24	20.93	57.41	0.08
ASA	monte	26.0	T_50	1.76	32.91	33.49	33.33	33.55	0.002975	1.14	1.55	3.82	0.57
ASA	monte	26.0	T_100	2.37	32.91	33.58	33.41	33.66	0.002995	1.24	1.92	4.19	0.58
ASA	monte	26.0	T_200	3.04	32.91	33.67	33.48	33.76	0.003014	1.32	2.30	4.54	0.59
ASA	monte	26.0	T_500	4.00	32.91	33.78	33.57	33.88	0.003007	1.42	2.81	4.97	0.60
ASA	monte	25.0	T_50	1.76	32.48	33.06		33.12	0.003000	1.14	1.54	3.82	0.57
ASA	monte	25.0	T_100	2.37	32.48	33.15		33.23	0.003020	1.24	1.91	4.19	0.59
ASA	monte	25.0	T_200	3.04	32.48	33.24		33.33	0.002990	1.32	2.30	4.55	0.59
ASA	monte	25.0	T_500	4.00	32.48	33.35		33.45	0.002994	1.42	2.82	4.98	0.60
ASA	monte	24.0	T_50	1.76	32.08	32.66		32.73	0.003029	1.15	1.54	3.81	0.58
ASA	monte	24.0	T_100	2.37	32.08	32.76		32.83	0.003003	1.24	1.91	4.19	0.59
ASA	monte	24.0	T_200	3.04	32.08	32.84		32.93	0.003002	1.32	2.30	4.54	0.59
ASA	monte	24.0	T_500	4.00	32.08	32.95		33.06	0.003003	1.42	2.81	4.98	0.60
ASA	monte	23.0	T_50	1.76	31.82	32.40		32.46	0.002976	1.14	1.55	3.82	0.57
ASA	monte	23.0	T_100	2.37	31.82	32.49		32.57	0.003024	1.24	1.91	4.19	0.59
ASA	monte	23.0	T_200	3.04	31.82	32.57		32.66	0.003063	1.33	2.28	4.53	0.60
ASA	monte	23.0	T_500	4.00	31.82	32.68		32.78	0.003105	1.44	2.78	4.95	0.61
ASA	monte	22.0	T_50	1.76	31.77	32.35	32.19	32.42	0.002991	1.14	1.54	3.82	0.57
ASA	monte	22.0	T_100	2.37	31.77	32.44	32.27	32.52	0.003069	1.25	1.90	4.18	0.59
ASA	monte	22.0	T_200	3.04	31.77	32.52	32.34	32.61	0.003129	1.34	2.26	4.51	0.61
ASA	monte	22.0	T_500	4.00	31.77	32.63	32.43	32.73	0.003187	1.45	2.75	4.93	0.62
ASA	monte	21.5		Bridge									
ASA	monte	21.0	T_50	1.76	31.72	32.28	32.14	32.35	0.003462	1.20	1.46	3.73	0.61
ASA	monte	21.0	T_100	2.37	31.72	32.36	32.22	32.45	0.003560	1.32	1.80	4.08	0.63
ASA	monte	21.0	T_200	3.04	31.72	32.44	32.29	32.55	0.003629	1.42	2.14	4.40	0.65
ASA	monte	21.0	T_500	4.00	31.72	32.54	32.38	32.66	0.003686	1.53	2.61	4.81	0.66
ASA	monte	20.0	T_50	1.76	31.67	32.09	32.09	32.25	0.009932	1.76	1.00	3.20	1.01
ASA	monte	20.0	T_100	2.37	31.67	32.17	32.17	32.35	0.009510	1.88	1.26	3.51	1.01
ASA	monte	20.0	T_200	3.04	31.67	32.24	32.24	32.44	0.009235	2.00	1.52	3.80	1.01
ASA	monte	20.0	T_500	4.00	31.67	32.33	32.33	32.56	0.008932	2.12	1.88	4.16	1.01
ASA	monte	19.0	T_50	1.76	31.50	32.08	31.81	32.09	0.000372	0.38	7.64	62.71	0.20
ASA	monte	19.0	T_100	2.37	31.50	32.14	31.86	32.14	0.000287	0.37	11.36	68.93	0.18
ASA	monte	19.0	T_200	3.04	31.50	32.14	31.91	32.14	0.000473	0.47	11.35	68.92	0.24
ASA	monte	19.0	T_500	4.00	31.50	32.21	31.97	32.22	0.000299	0.42	16.75	71.92	0.19
ASA	monte	18.0	T_50	1.76	31.49	31.89	31.89	32.00	0.010002	1.46	1.21	5.44	0.99
ASA	monte	18.0	T_100	2.37	31.49	31.97	31.94	32.07	0.007802	1.43	1.65	6.32	0.89

HEC-RAS Plan: Plan 12 (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
ASA	monte	18.0	T_200	3.04	31.49	32.09	32.00	32.10	0.000743	0.55	9.97	55.95	0.29
ASA	monte	18.0	T_500	4.00	31.49	32.19	32.04	32.19	0.000357	0.44	15.50	58.16	0.21
ASA	monte	17	T_50	1.76	31.44	31.90	31.72	31.93	0.001236	0.73	2.42	14.10	0.38
ASA	monte	17	T_100	2.37	31.44	31.97	31.76	32.00	0.001267	0.82	2.88	24.90	0.40
ASA	monte	17	T_200	3.04	31.44	32.04	31.81	32.08	0.001294	0.92	3.32	41.61	0.41
ASA	monte	17	T_500	4.00	31.44	32.12	31.87	32.18	0.001330	1.03	3.88	57.35	0.43
ASA	monte	16.5		Bridge									
ASA	monte	16	T_50	3.59	31.39	31.83	31.83	32.00	0.009158	1.81	1.99	6.34	1.00
ASA	monte	16	T_100	4.65	31.39	31.90	31.90	32.09	0.008695	1.95	2.38	7.01	1.00
ASA	monte	16	T_200	5.78	31.39	31.96	31.96	32.18	0.008302	2.08	2.77	49.55	1.00
ASA	monte	16	T_500	7.36	31.39	32.04	32.04	32.30	0.008016	2.24	3.29	55.34	1.00
ASA	monte	15	T_50	3.59	30.40	31.32	30.92	31.36	0.000888	0.86	4.19	6.47	0.34
ASA	monte	15	T_100	4.65	30.40	31.44	31.00	31.48	0.000929	0.94	4.94	6.84	0.35
ASA	monte	15	T_200	5.78	30.40	31.54	31.07	31.60	0.000964	1.02	5.69	7.19	0.36
ASA	monte	15	T_500	7.36	30.40	31.67	31.17	31.74	0.001008	1.11	6.66	7.62	0.38
ASA	monte	14.8	T_50	3.59	30.32	31.11	30.96	31.22	0.003362	1.43	2.51	4.86	0.63
ASA	monte	14.8	T_100	4.65	30.32	31.21	31.04	31.33	0.003450	1.55	2.99	5.18	0.65
ASA	monte	14.8	T_200	5.78	30.32	31.30	31.12	31.44	0.003495	1.66	3.48	5.49	0.67
ASA	monte	14.8	T_500	7.36	30.32	31.41	31.22	31.58	0.003555	1.79	4.12	5.87	0.68
ASA	monte	14.5		Bridge									
ASA	monte	14	T_50	3.59	30.17	30.73	30.68	30.88	0.005946	1.69	2.13	4.99	0.83
ASA	monte	14	T_100	4.65	30.17	30.84	30.76	30.99	0.005124	1.74	2.67	5.31	0.78
ASA	monte	14	T_200	5.78	30.17	30.94	30.83	31.10	0.004666	1.80	3.21	5.62	0.76
ASA	monte	14	T_500	7.36	30.17	31.06	30.92	31.24	0.004317	1.88	3.91	5.99	0.74
ASA	monte	13	T_50	3.59	29.61	30.49	30.12	30.53	0.001014	0.90	4.00	6.42	0.36
ASA	monte	13	T_100	4.65	29.61	30.59	30.20	30.64	0.001098	0.99	4.68	6.79	0.38
ASA	monte	13	T_200	5.78	29.61	30.69	30.27	30.75	0.001170	1.08	5.34	7.13	0.40
ASA	monte	13	T_500	7.36	29.61	30.80	30.36	30.88	0.001254	1.19	6.20	7.54	0.42
ASA	monte	12	T_50	3.59	29.43	30.00	30.00	30.17	0.009070	1.85	1.94	5.59	1.00
ASA	monte	12	T_100	4.65	29.43	30.07	30.07	30.27	0.008728	1.96	2.37	6.03	1.00
ASA	monte	12	T_200	5.78	29.43	30.14	30.14	30.36	0.008446	2.06	2.80	6.45	1.00
ASA	monte	12	T_500	7.36	29.43	30.23	30.23	30.47	0.008185	2.19	3.36	6.88	1.00
ASA	monte	11	T_50	3.59	28.75	29.73	29.21	29.75	0.000386	0.61	5.92	8.34	0.23
ASA	monte	11	T_100	4.65	28.75	29.84	29.27	29.86	0.000423	0.68	6.87	8.77	0.24
ASA	monte	11	T_200	5.78	28.75	29.95	29.33	29.97	0.000457	0.74	7.82	9.23	0.26
ASA	monte	11	T_500	7.36	28.75	30.08	29.41	30.11	0.000500	0.81	9.09	10.03	0.27
ASA	valle	10	T_50	3.59	27.93	28.63	28.45	28.71	0.002592	1.22	2.93	6.06	0.56

HEC-RAS Plan: Plan 12 (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
ASA	valle	10	T_100	4.65	27.93	28.75	28.53	28.83	0.002314	1.27	3.67	6.60	0.54
ASA	valle	10	T_200	5.78	27.93	28.86	28.60	28.95	0.002105	1.30	4.43	7.07	0.53
ASA	valle	10	T_500	7.36	27.93	29.00	28.69	29.09	0.001928	1.35	5.44	7.67	0.51
ASA	valle	9.5		Bridge									
ASA	valle	9	T_50	3.59	27.62	28.63	28.15	28.66	0.000586	0.74	4.86	6.88	0.28
ASA	valle	9	T_100	4.65	27.62	28.75	28.22	28.78	0.000624	0.82	5.70	7.23	0.29
ASA	valle	9	T_200	5.78	27.62	28.86	28.29	28.90	0.000655	0.88	6.53	7.56	0.30
ASA	valle	9	T_500	7.36	27.62	29.00	28.38	29.05	0.000693	0.97	7.60	7.95	0.32
ASA	valle	8	T_50	3.59	27.77	28.50	28.29	28.57	0.002188	1.16	3.09	6.07	0.52
ASA	valle	8	T_100	4.65	27.77	28.62	28.36	28.69	0.002000	1.21	3.84	6.59	0.51
ASA	valle	8	T_200	5.78	27.77	28.73	28.43	28.81	0.001885	1.25	4.61	7.16	0.50
ASA	valle	8	T_500	7.36	27.77	28.87	28.53	28.95	0.001821	1.30	5.66	8.10	0.50
ASA	valle	7	T_50	3.59	27.28	28.33	27.89	28.36	0.000875	0.85	4.20	6.45	0.34
ASA	valle	7	T_100	4.65	27.28	28.44	27.97	28.49	0.000949	0.93	4.98	7.08	0.36
ASA	valle	7	T_200	5.78	27.28	28.55	28.05	28.60	0.001032	1.00	5.77	7.91	0.37
ASA	valle	7	T_500	7.36	27.28	28.68	28.15	28.74	0.001114	1.07	6.88	9.06	0.39
ASA	valle	6.5		Bridge									
ASA	valle	6	T_50	3.59	27.25	28.28	27.91	28.33	0.001284	1.01	3.56	5.56	0.40
ASA	valle	6	T_100	4.65	27.25	28.39	28.00	28.45	0.001385	1.11	4.18	5.95	0.42
ASA	valle	6	T_200	5.78	27.25	28.49	28.09	28.56	0.001479	1.21	4.78	6.30	0.44
ASA	valle	6	T_500	7.36	27.25	28.61	28.19	28.70	0.001587	1.32	5.57	6.74	0.46
ASA	valle	5	T_50	3.59	27.17	27.80	27.80	27.99	0.008992	1.93	1.86	4.92	1.01
ASA	valle	5	T_100	4.65	27.17	27.88	27.88	28.09	0.008556	2.04	2.28	5.36	1.00
ASA	valle	5	T_200	5.78	27.17	27.96	27.96	28.19	0.008261	2.14	2.71	5.77	1.00
ASA	valle	5	T_500	7.36	27.17	28.05	28.05	28.31	0.008116	2.23	3.30	6.49	1.00
ASA	valle	4	T_50	3.59	26.21	27.58	26.81	27.59	0.000270	0.57	6.26	7.02	0.19
ASA	valle	4	T_100	4.65	26.21	27.60	26.90	27.62	0.000425	0.73	6.41	7.08	0.24
ASA	valle	4	T_200	5.78	26.21	27.62	26.98	27.66	0.000604	0.88	6.60	7.17	0.29
ASA	valle	4	T_500	7.36	26.21	27.67	27.07	27.73	0.000847	1.06	6.96	7.32	0.35
ASA	valle	3	T_50	3.59	26.04	27.53	26.71	27.55	0.000321	0.57	6.34	8.35	0.21
ASA	valle	3	T_100	4.65	26.04	27.52	26.80	27.55	0.000534	0.74	6.27	8.06	0.27
ASA	valle	3	T_200	5.78	26.04	27.51	26.89	27.56	0.000837	0.93	6.18	7.83	0.34
ASA	valle	3	T_500	7.36	26.04	27.49	27.00	27.57	0.001421	1.22	6.01	7.54	0.44
ASA	valle	2	T_50	3.59	27.18	27.54	27.54	27.54	0.000000	0.00	266.87	244.60	0.00
ASA	valle	2	T_100	4.65	27.18	27.54	27.54	27.54	0.000000	0.00	266.87	244.60	0.00
ASA	valle	2	T_200	5.78	27.18	27.54	27.54	27.54	0.000000	0.01	266.87	244.60	0.00
ASA	valle	2	T_500	7.36	27.18	27.54	27.54	27.54	0.000000	0.01	266.87	244.60	0.00

HEC-RAS Plan: Plan 12 (Continued)

River	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)	
ASA	valle	1	T_50	3.59	25.57	26.90	25.98	26.91	0.000080	0.33	11.02	12.19	0.11
ASA	valle	1	T_100	4.65	25.57	26.95	26.04	26.96	0.000122	0.40	11.65	13.04	0.13
ASA	valle	1	T_200	5.78	25.57	27.00	26.09	27.01	0.000170	0.47	12.33	13.91	0.16
ASA	valle	1	T_500	7.36	25.57	27.25	26.16	27.25	0.000000	0.01	432.94	184.39	0.00