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REA CH- 415506

Impianto fotovoltaico "Sardinia Agrivolt" 99,972 MWp VALUTAZIONE DI IMPATTO AMBIENTALE (V.I.A.)

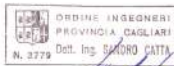


00	01/03/2022	Emissione	Gruppo di progettazione	Ing. Luca DEMONTIS	IPC AGRIVOLT S.R.L.
REV.	DATA	OGGETTO	PREPARATO	CONTROLLATO	APPROVATO

GRUPPO DI PROGETTAZIONE

Ing. Luca DEMONTIS
(coordinatore)

Ing. Sandro CATTA



Arch. Valeria MASALA (consulenza ambientale)

Arch. Alessandro MURGIA (consulenza urbanistica)

Geol. Alberto PUDDU (consulenza geologica)

Dott. Agr. Riccardo Giuseppe LODDO (consulenza agronomica)

TITOLO:

RELAZIONE IDROLOGICA E DI COMPATIBILITÀ IDRAULICA_ALLEGATI

IDENTIFICAZIONE ELABORATO
R. 04.1

NOTE:

PAGINA:

1 di 121

FORMATO:

A4/A1

Sezioni Hec Ras

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- Hi1
- Hi2
- Hi3
- Hi4



REPORT DELLA SIMULAZIONE IDRULICA:

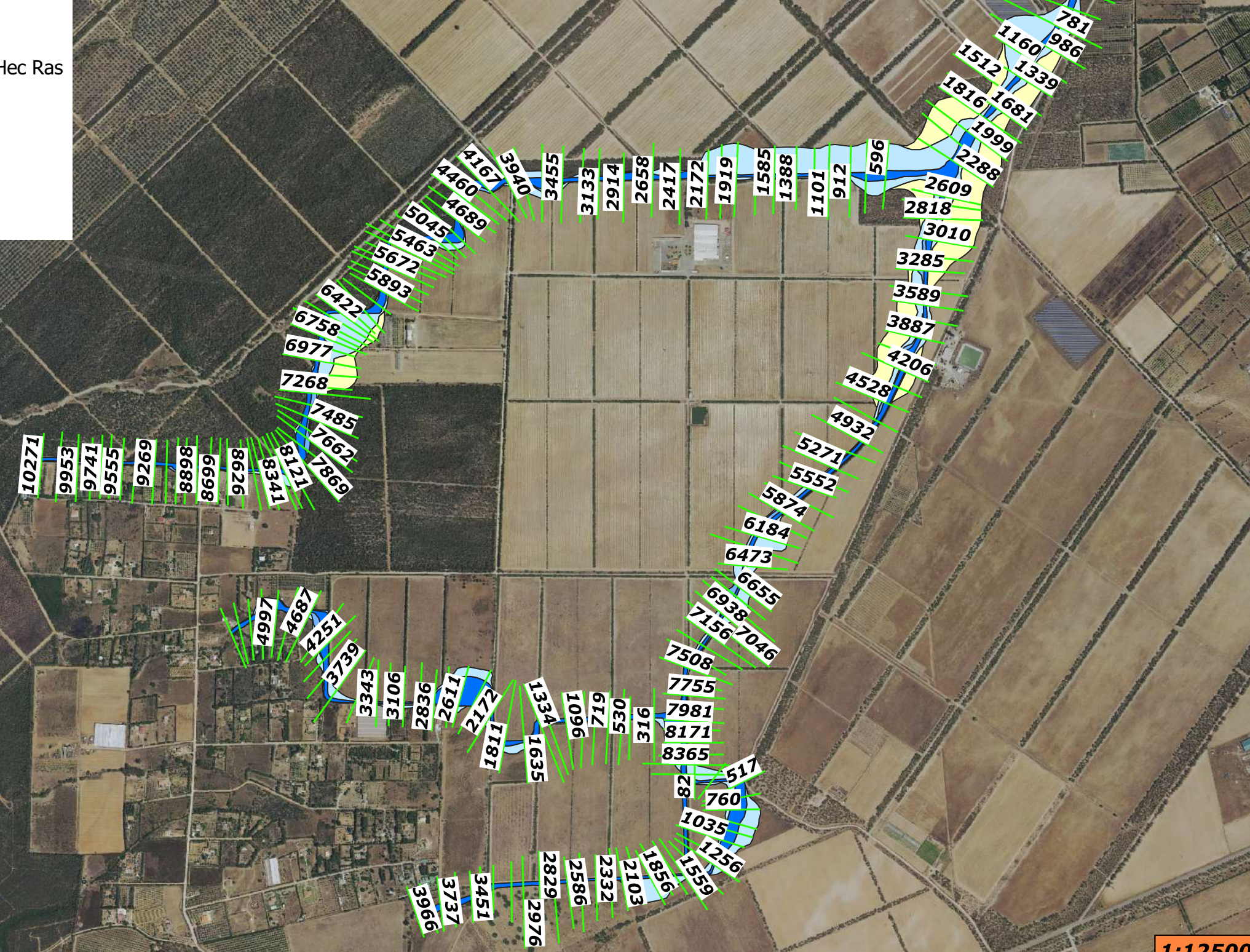
- PLANIMETRIA**
- PROFILI**
- TABELLE**
- SEZIONI**

Legenda

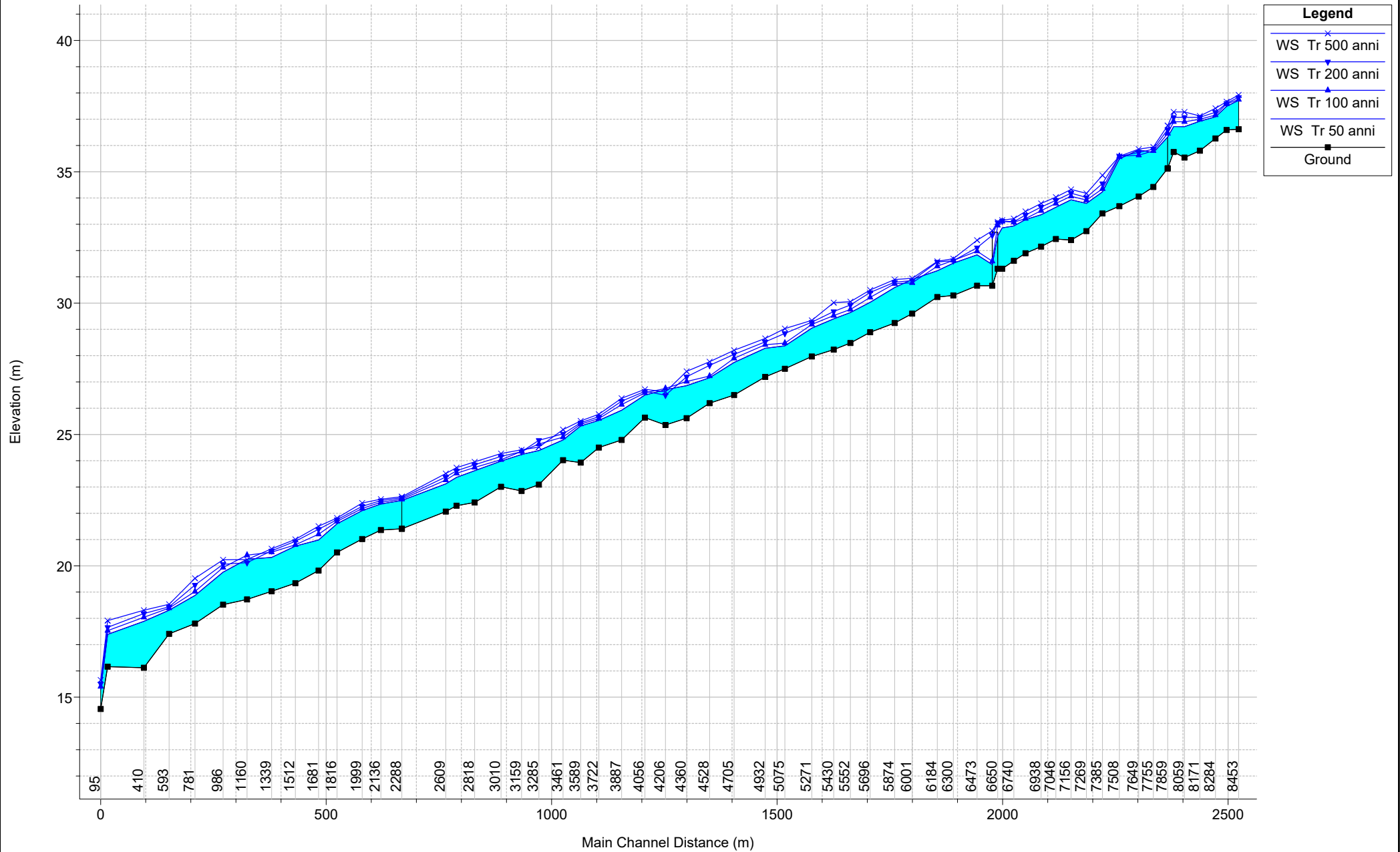
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- Hi1
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- Hi3
- Hi4

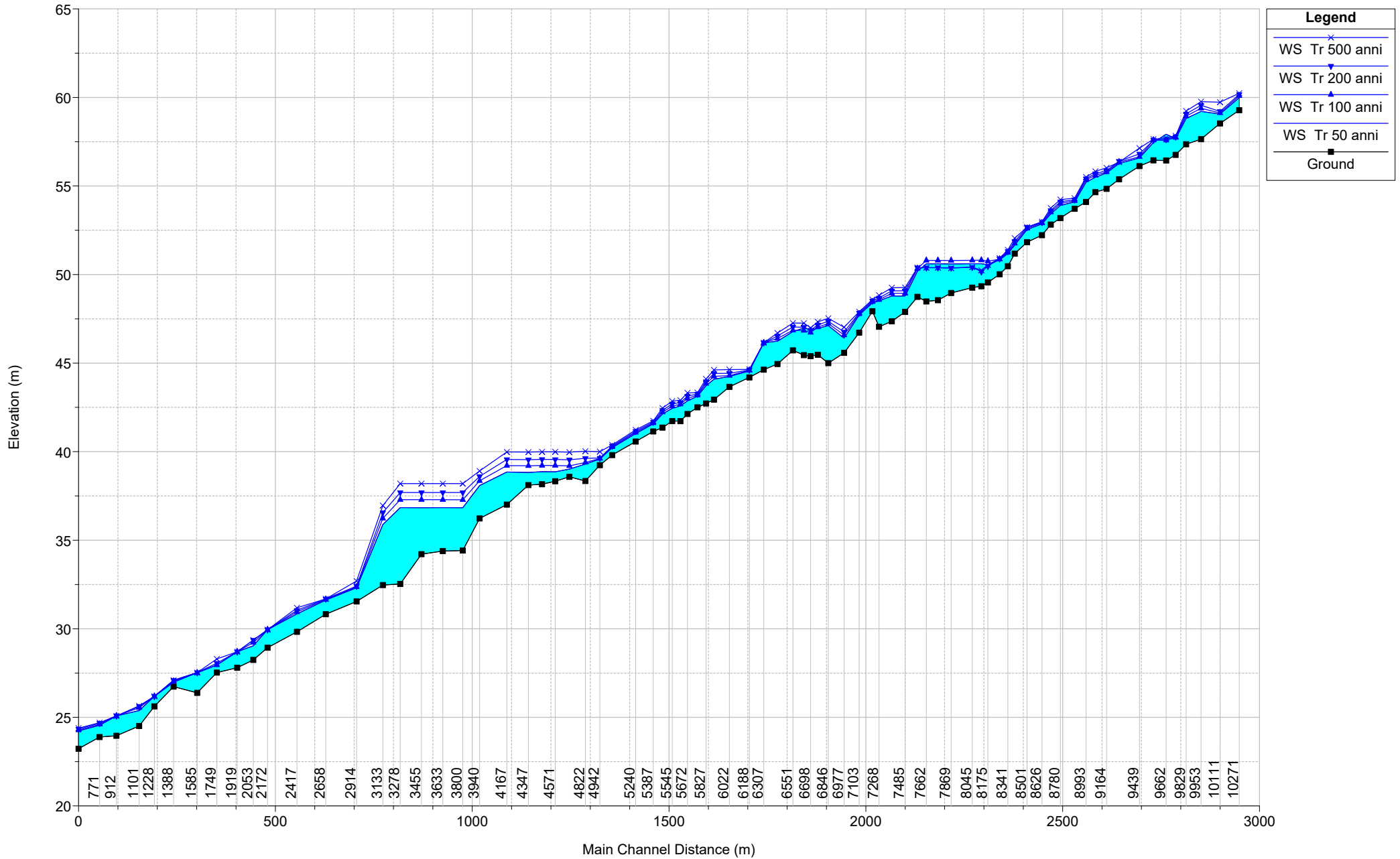


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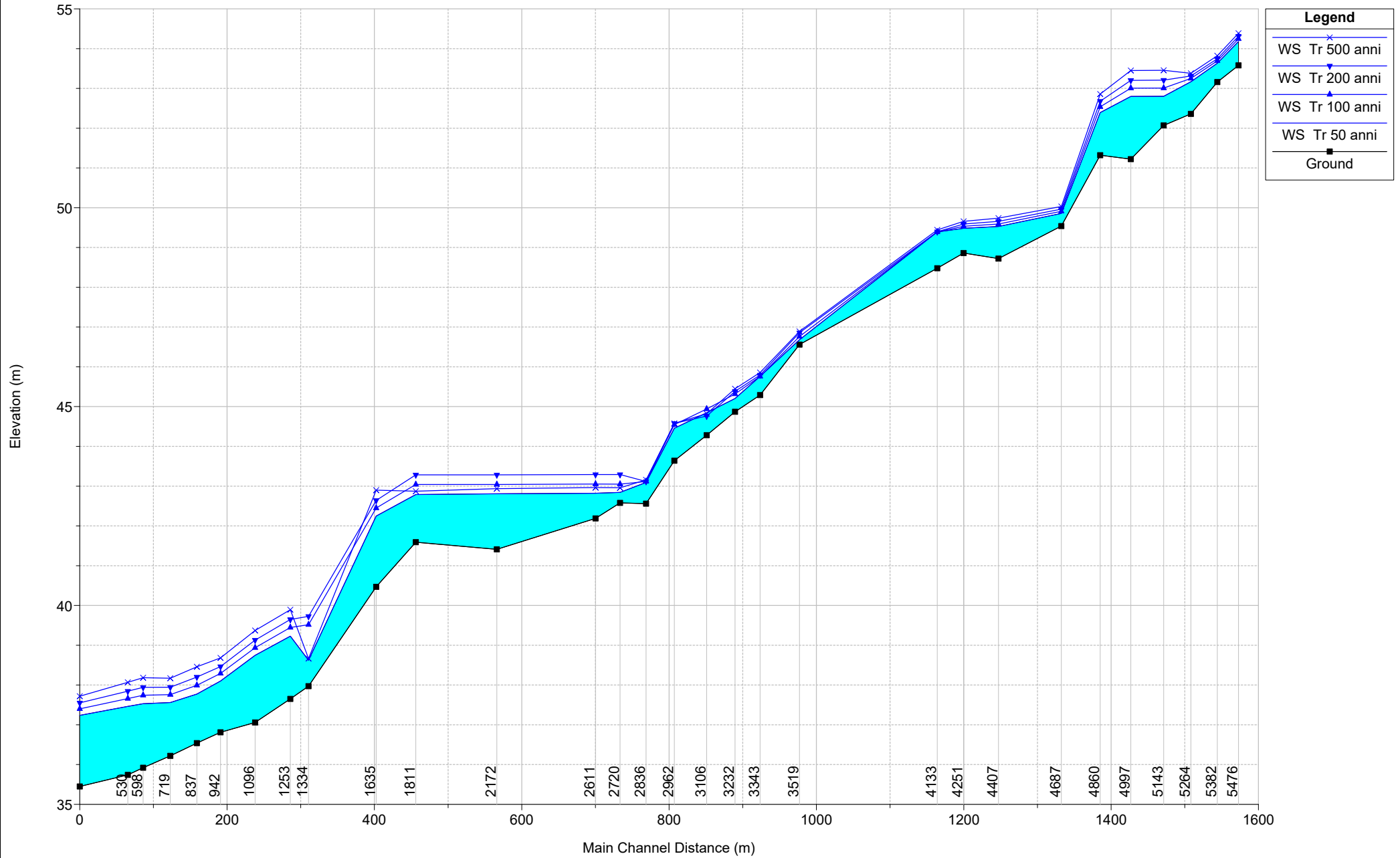


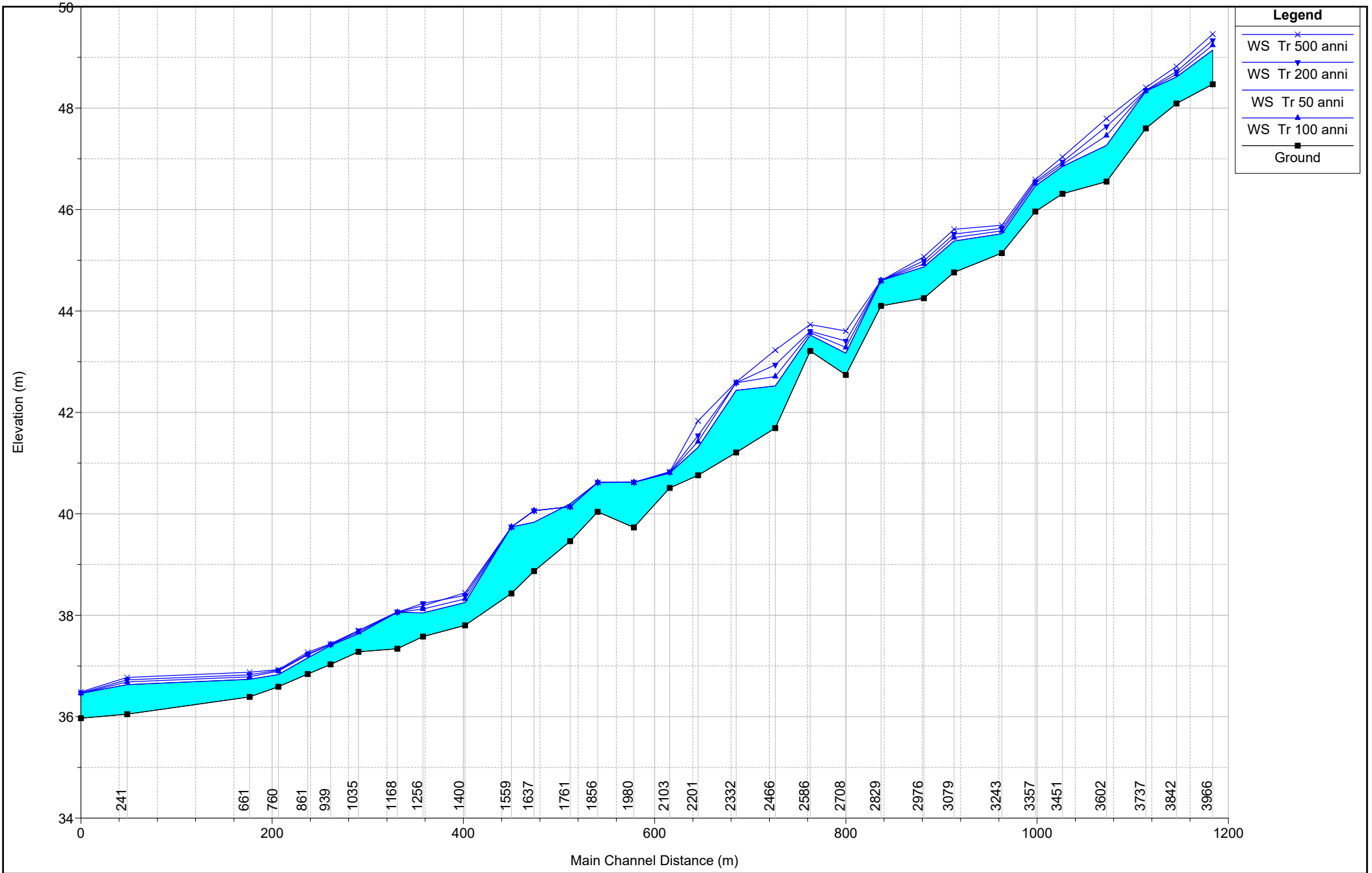
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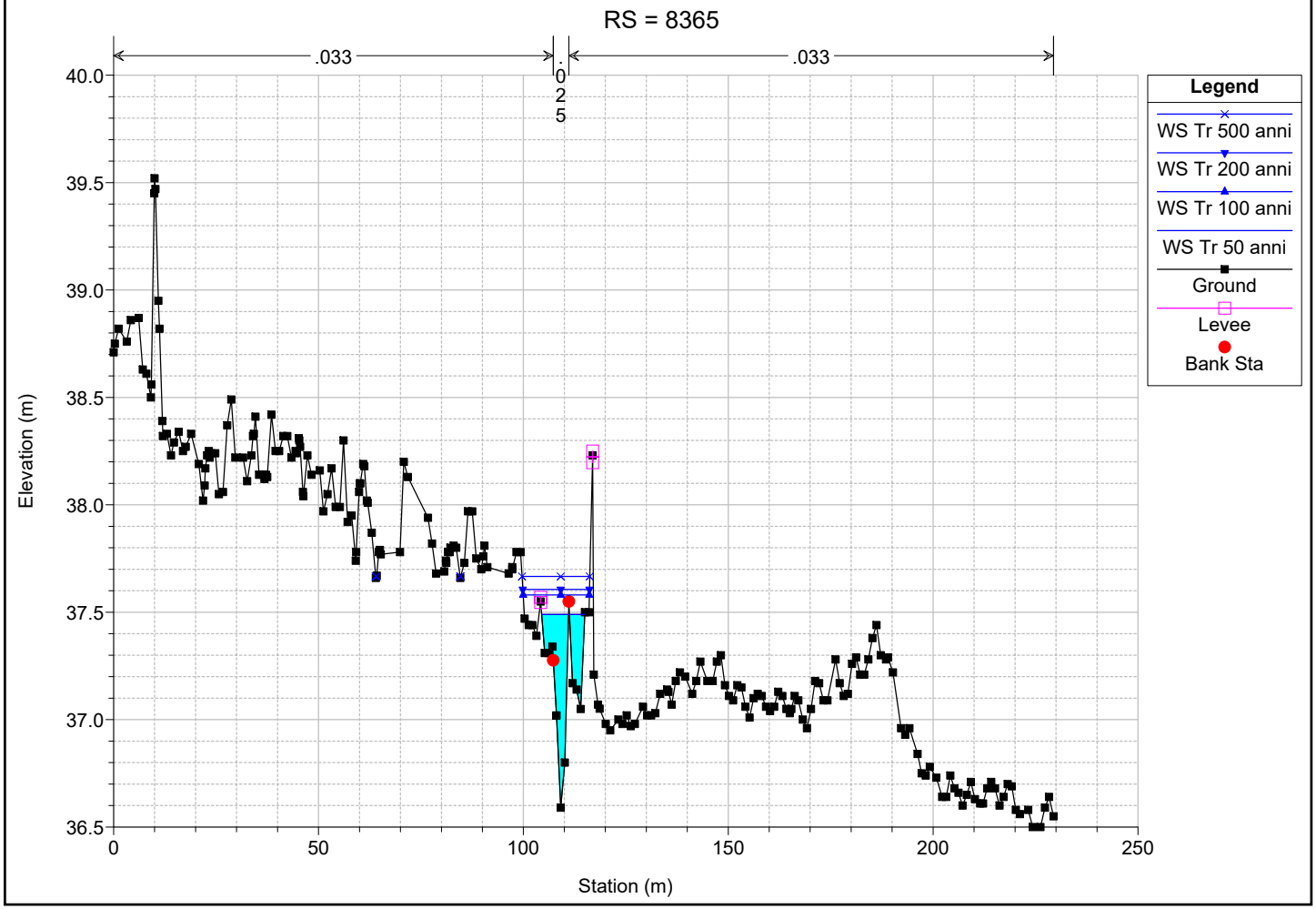
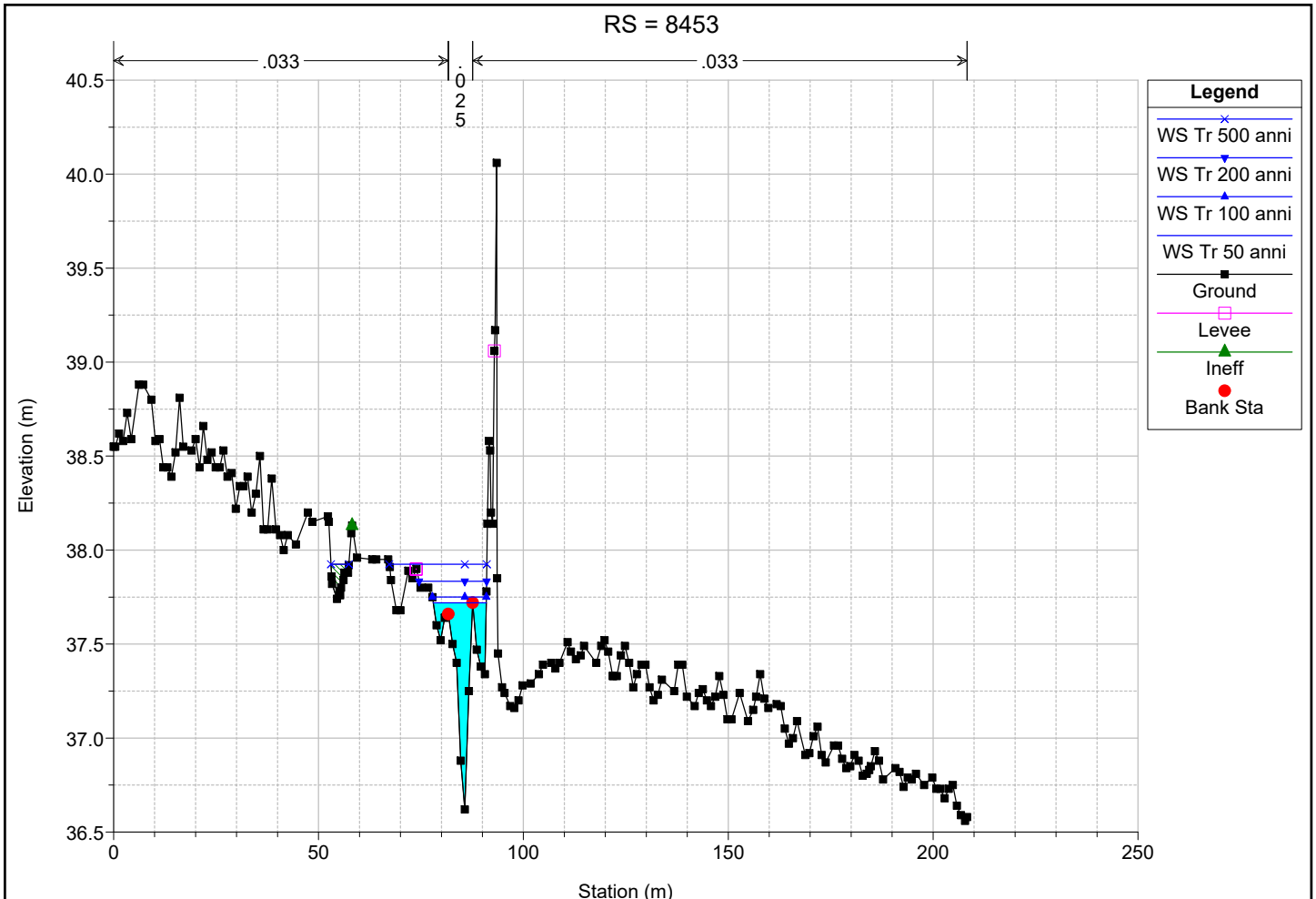
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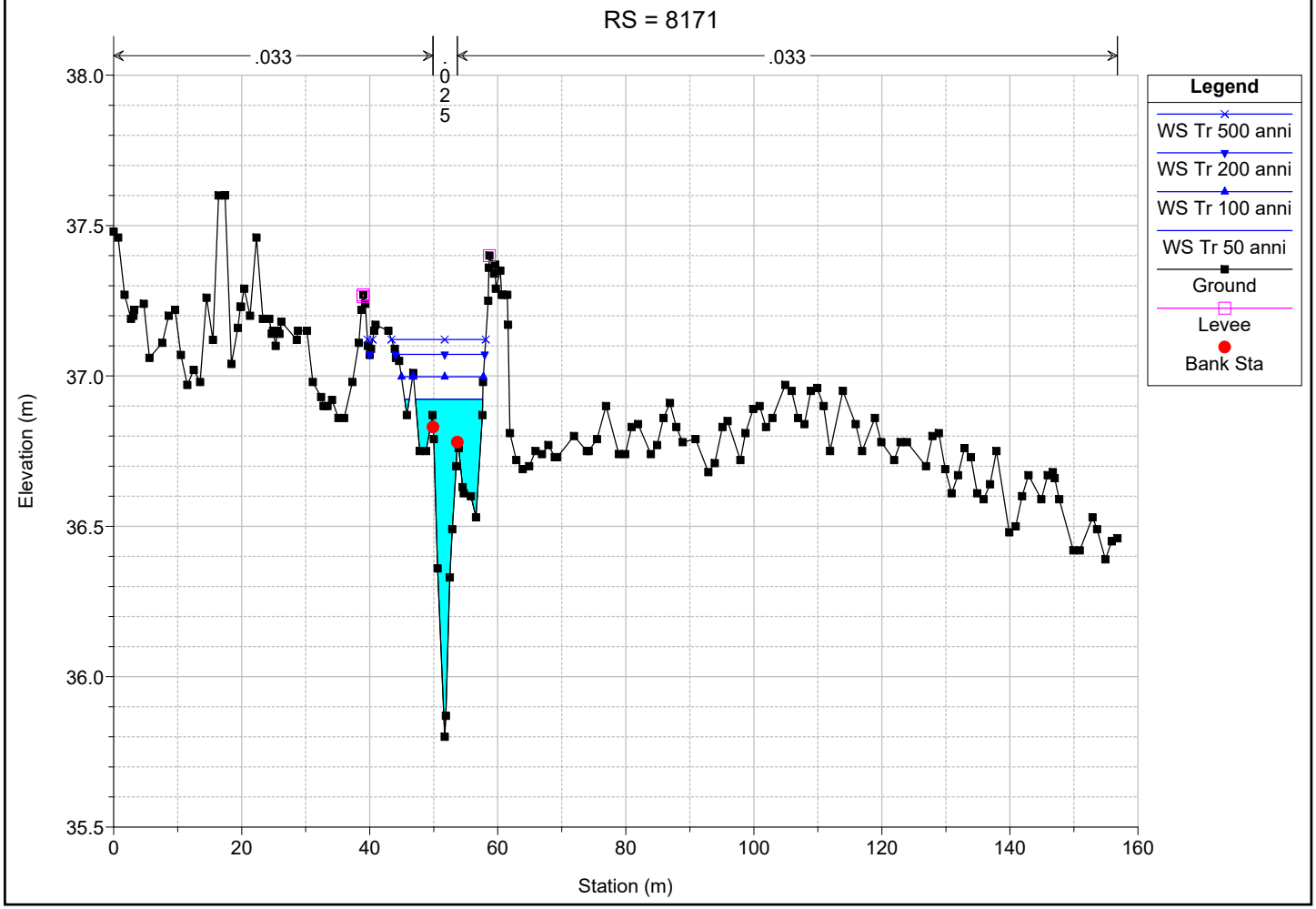
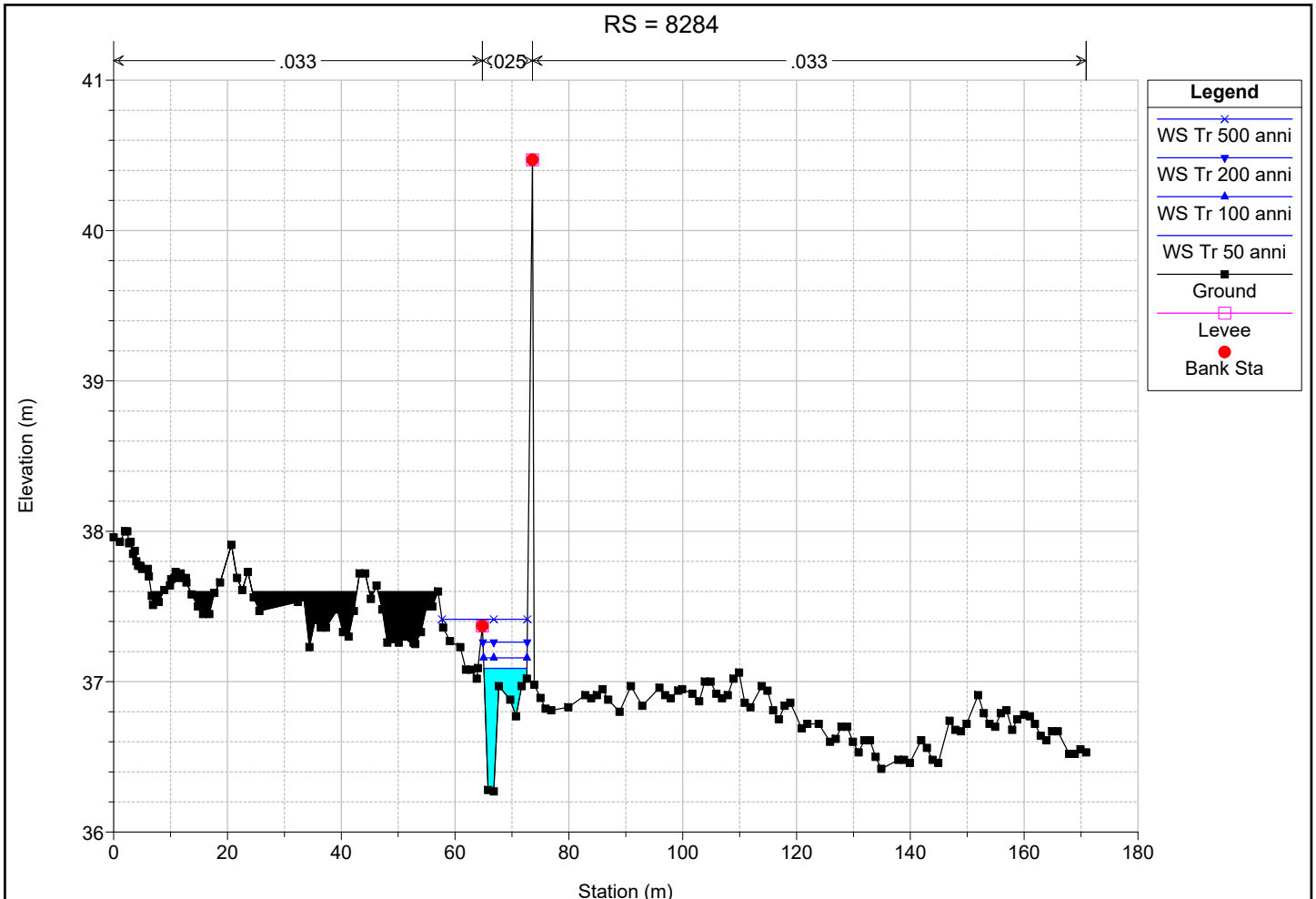


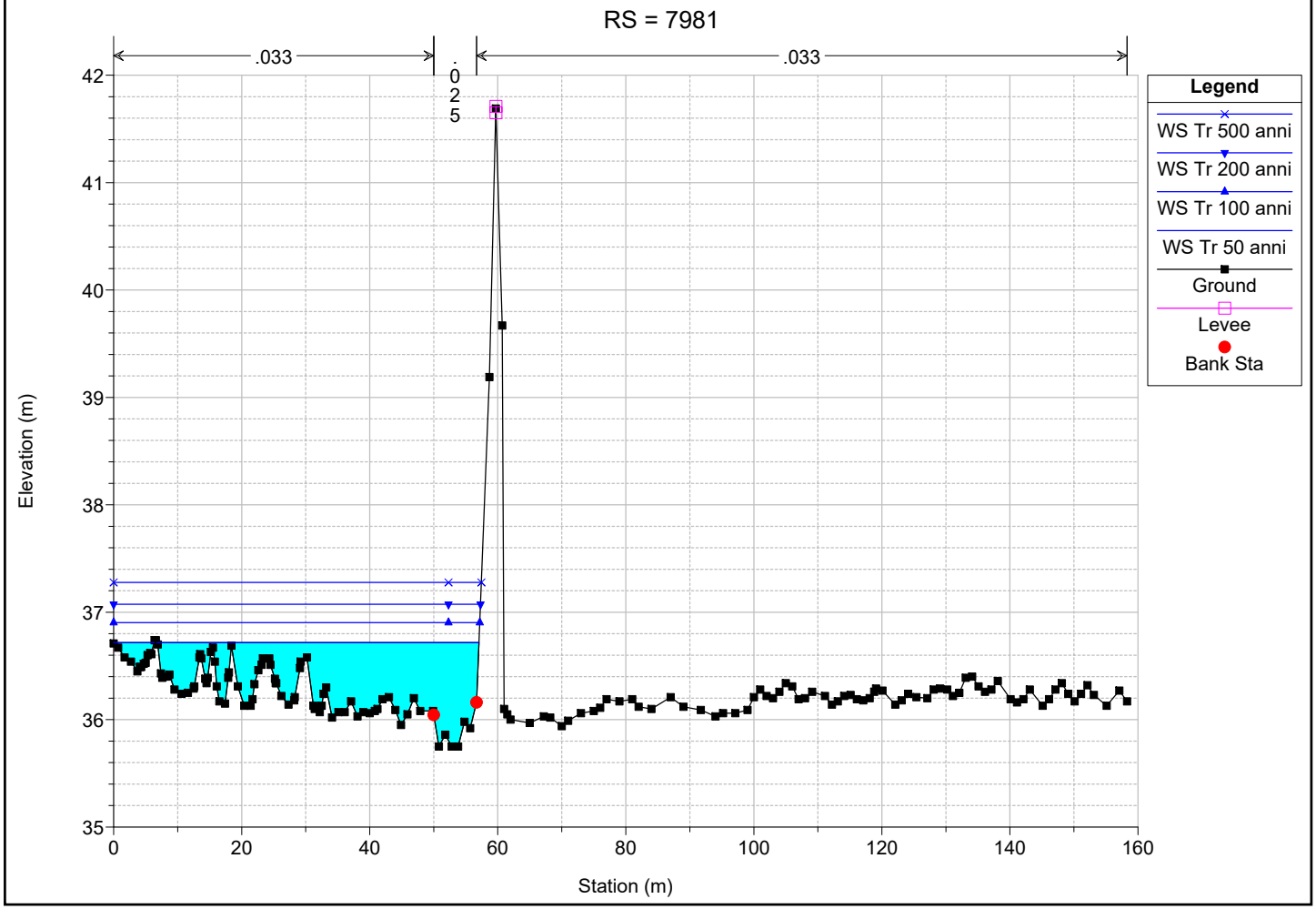
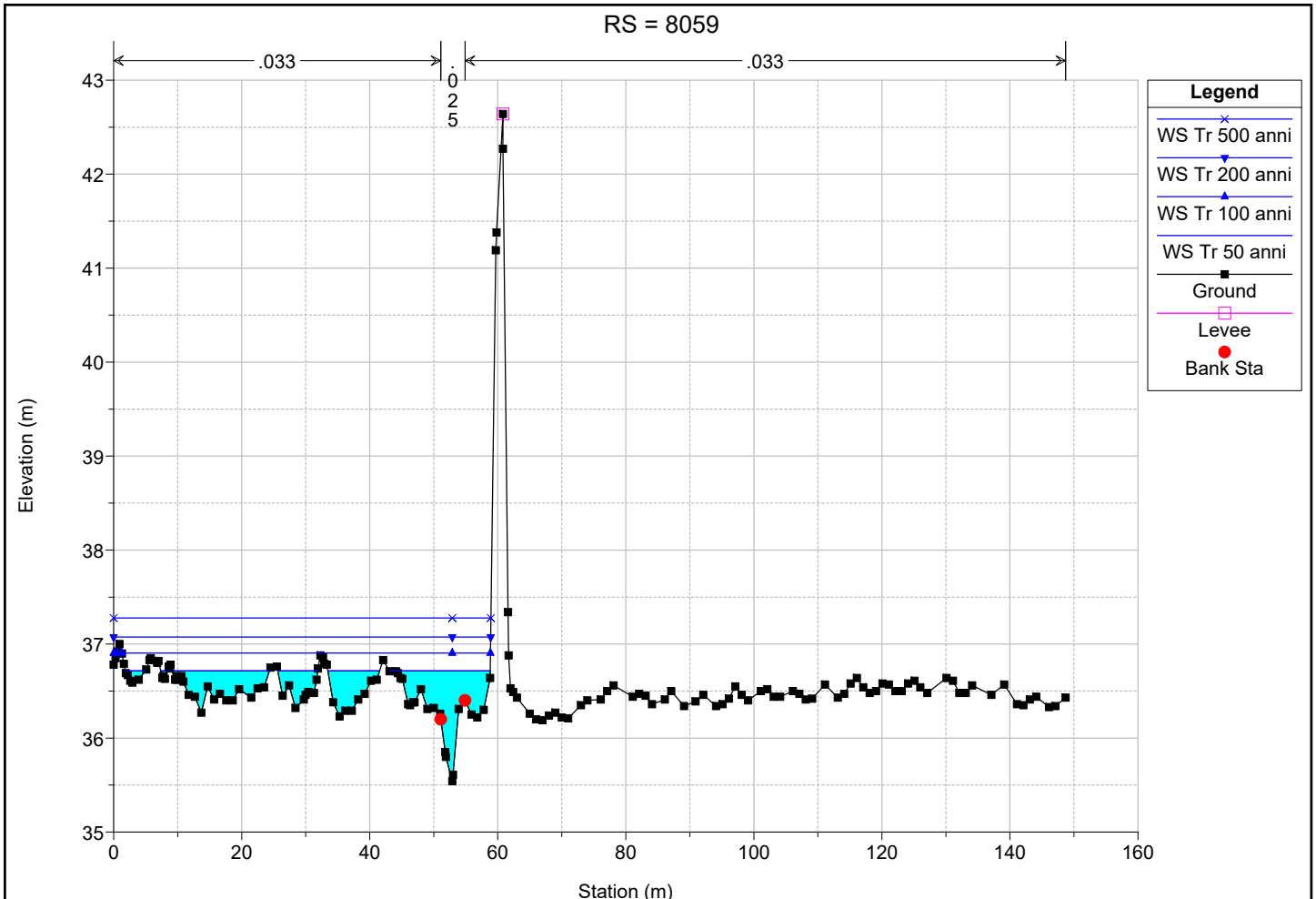
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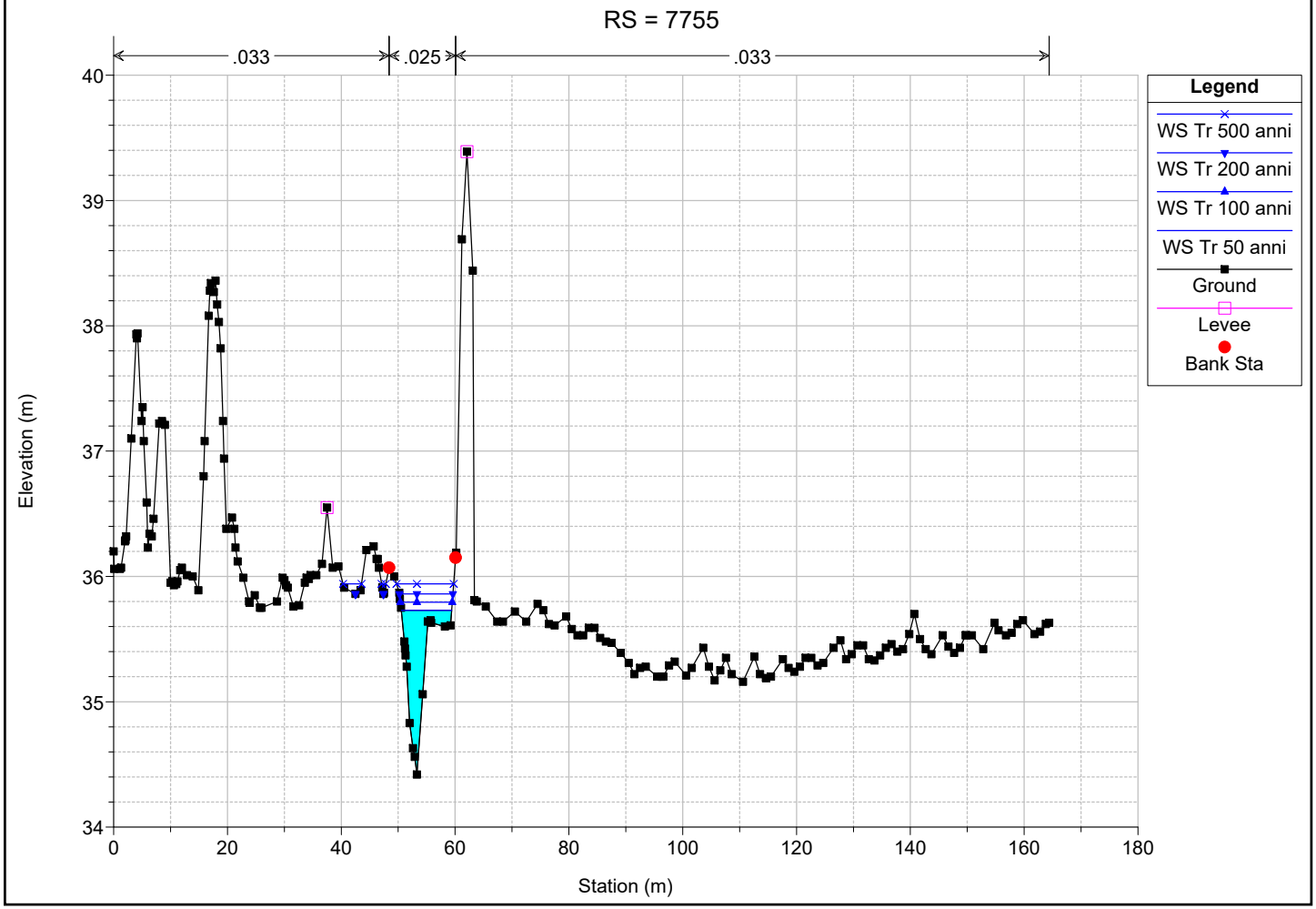
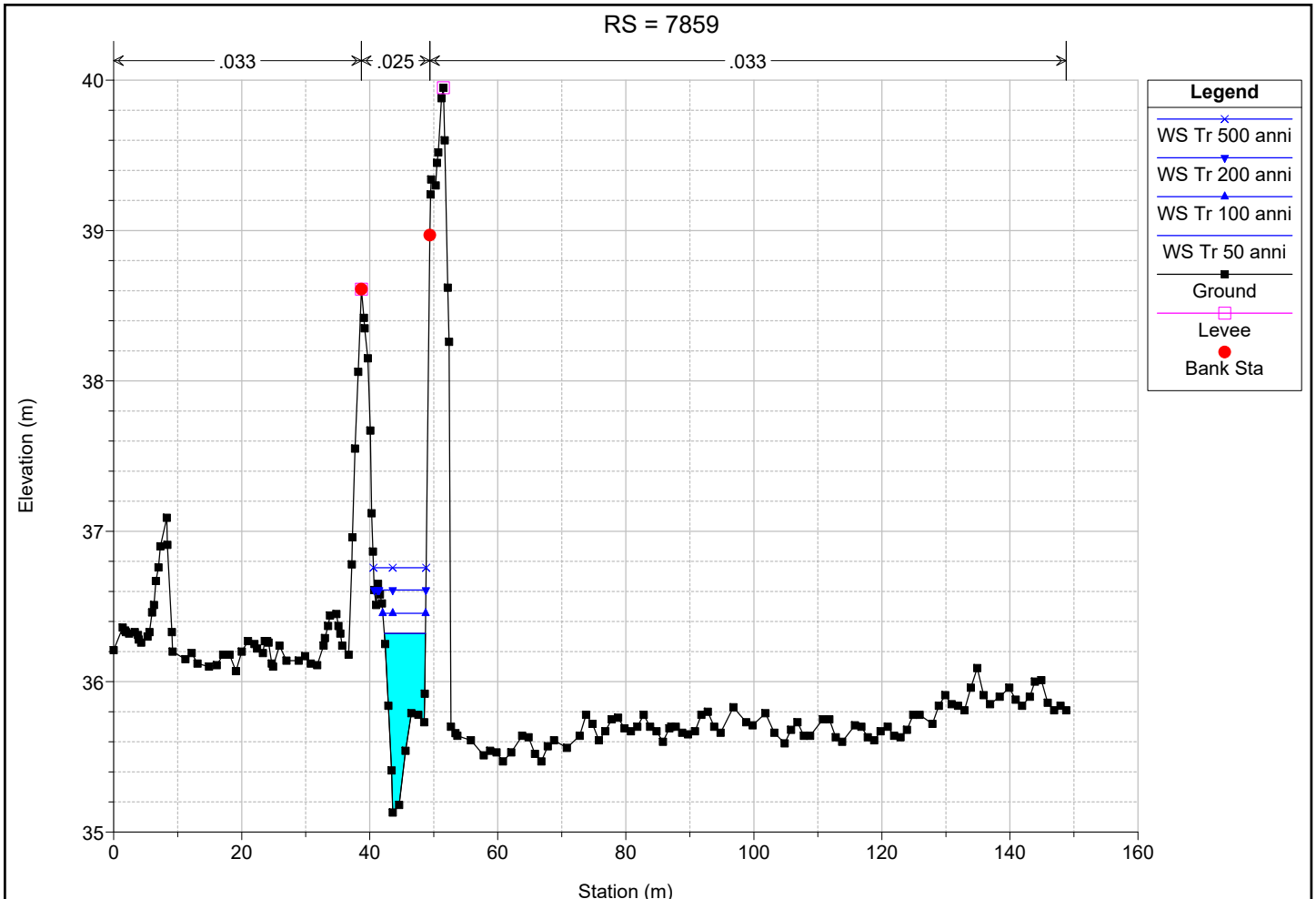


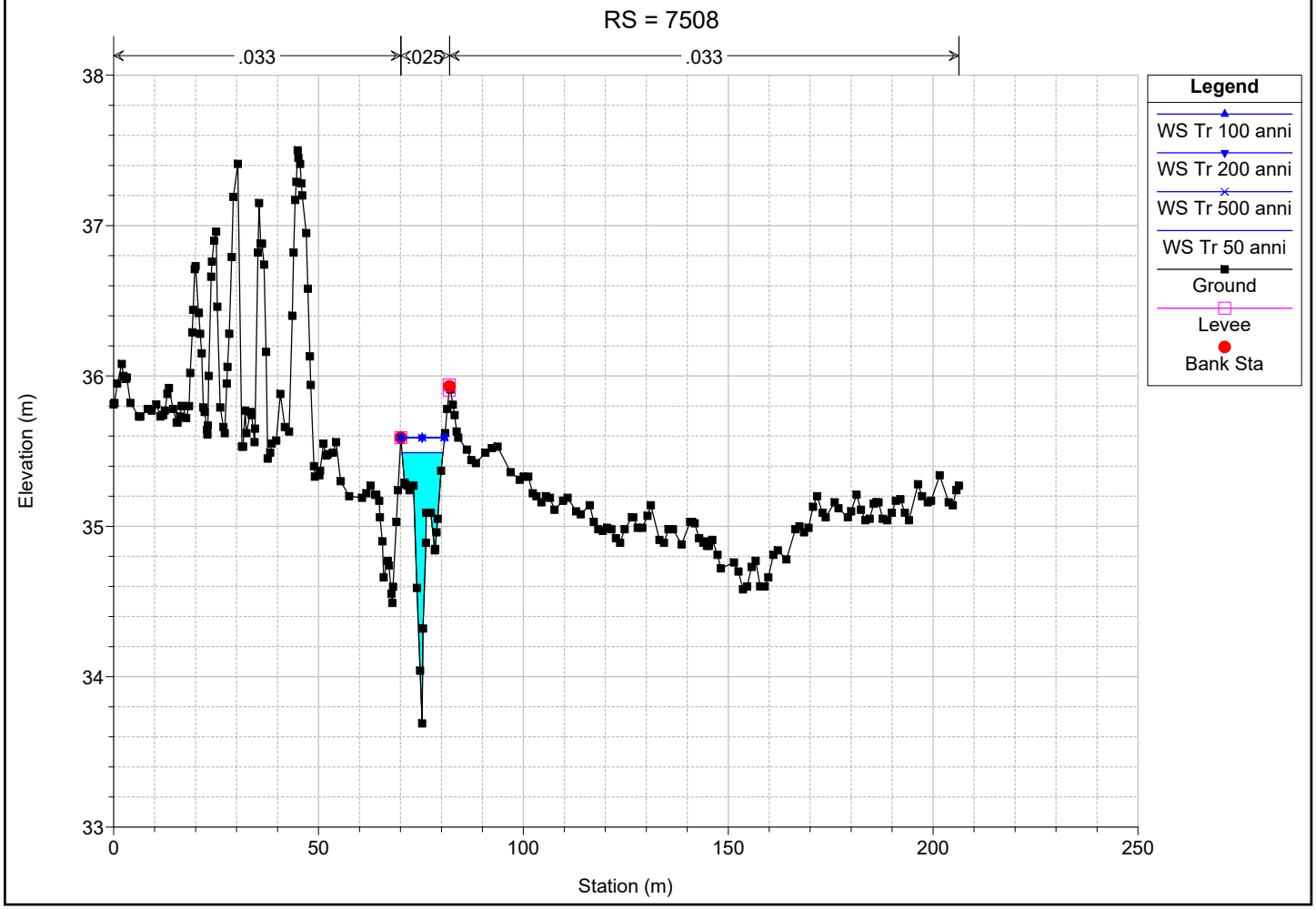
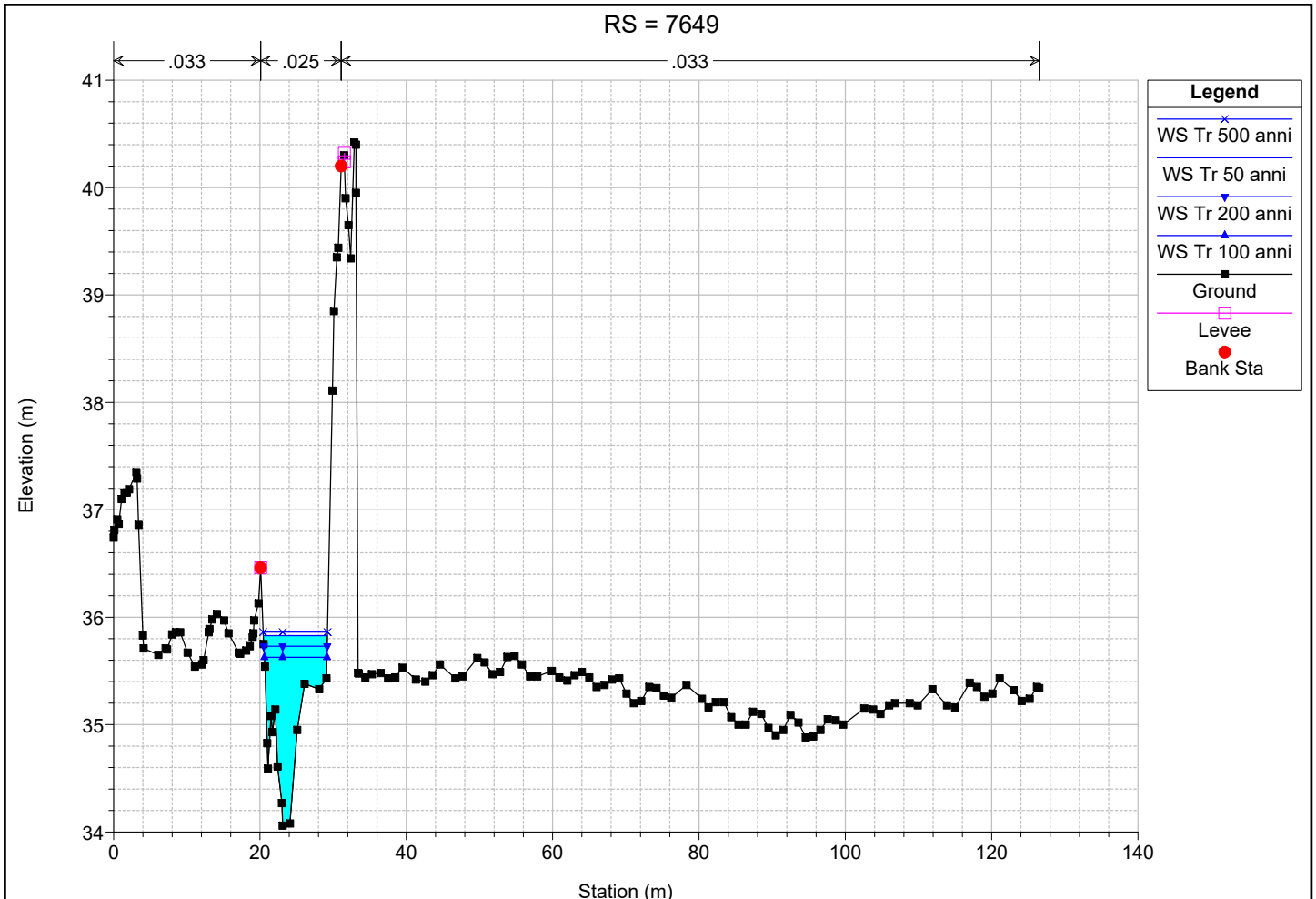


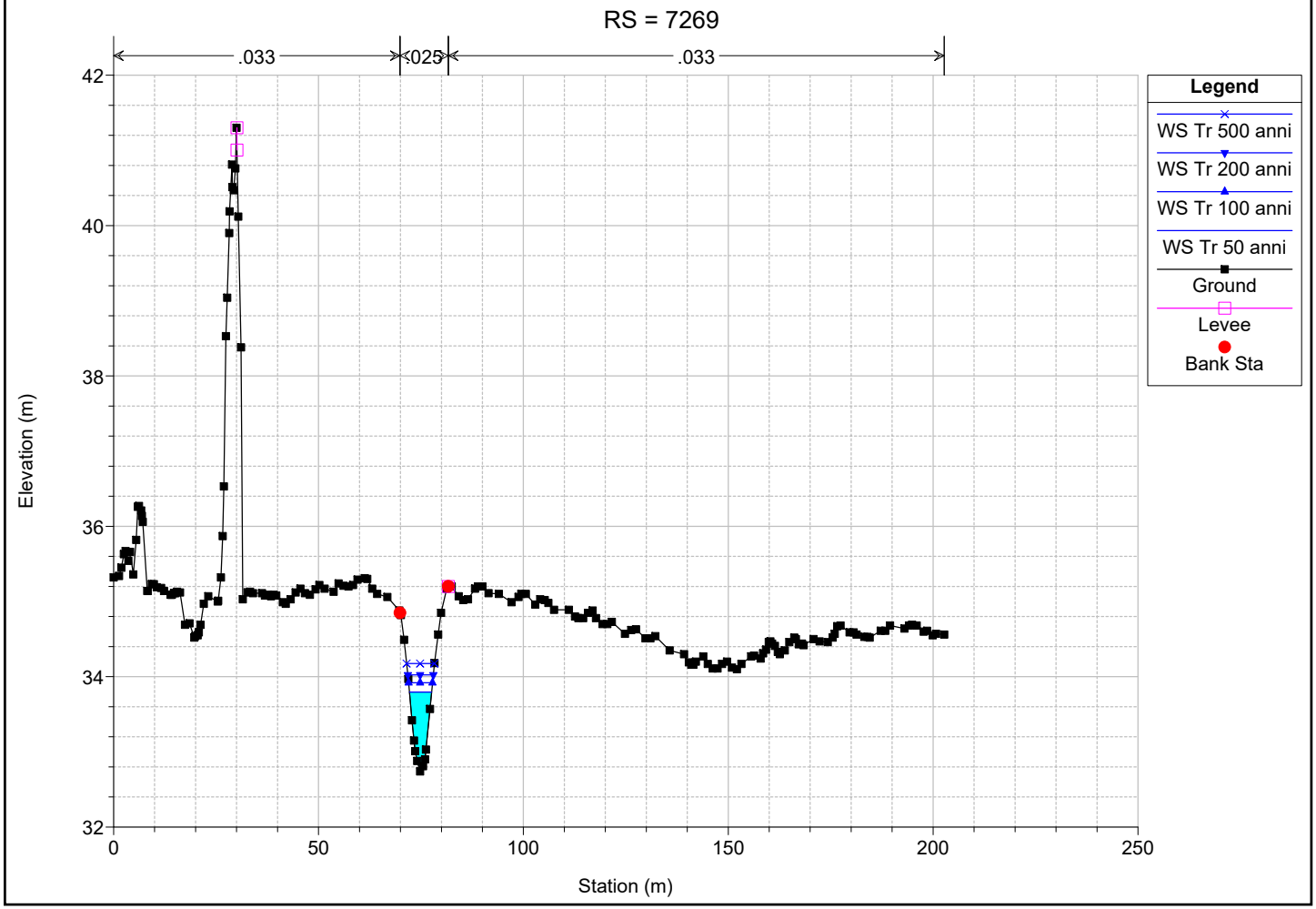
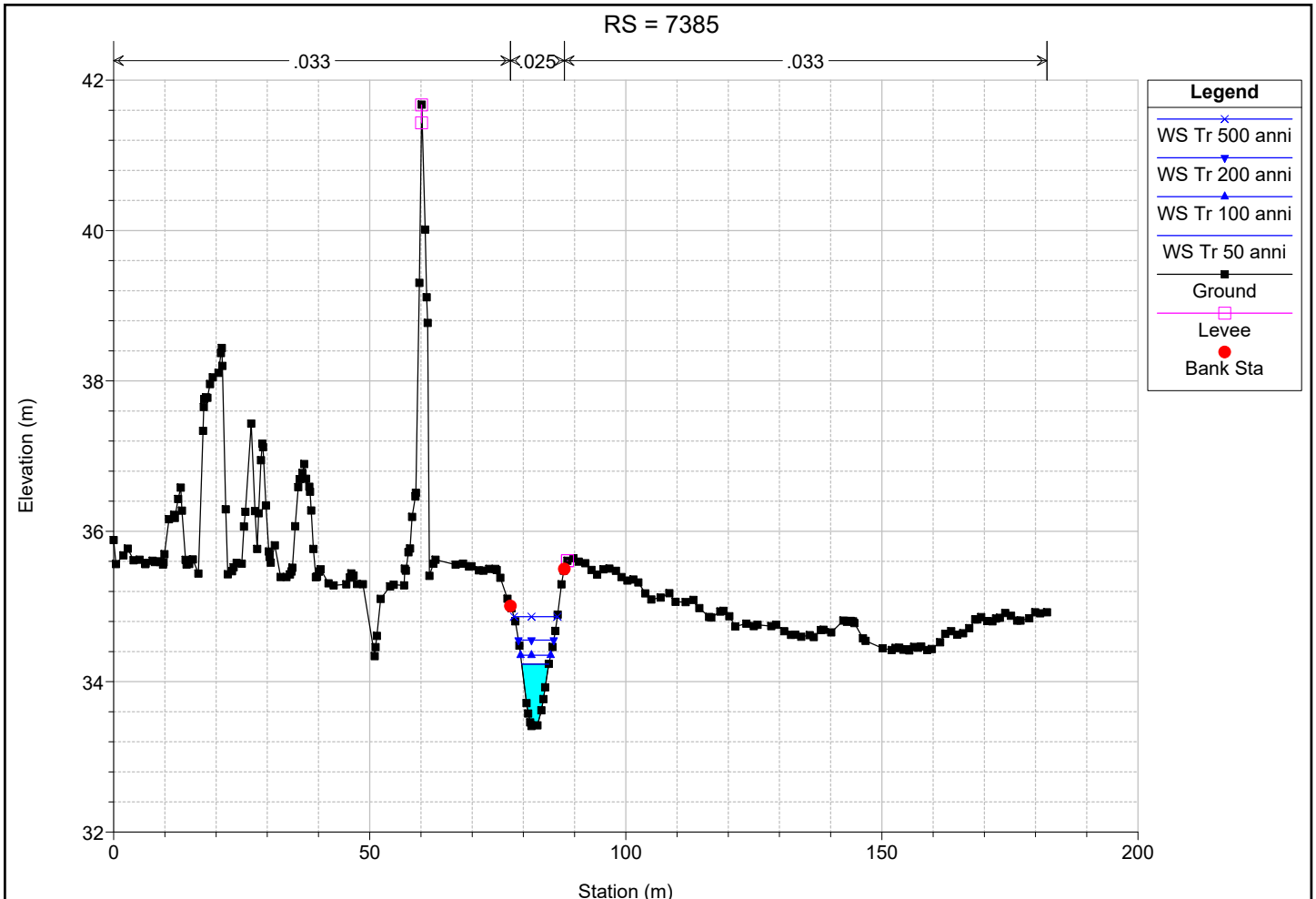


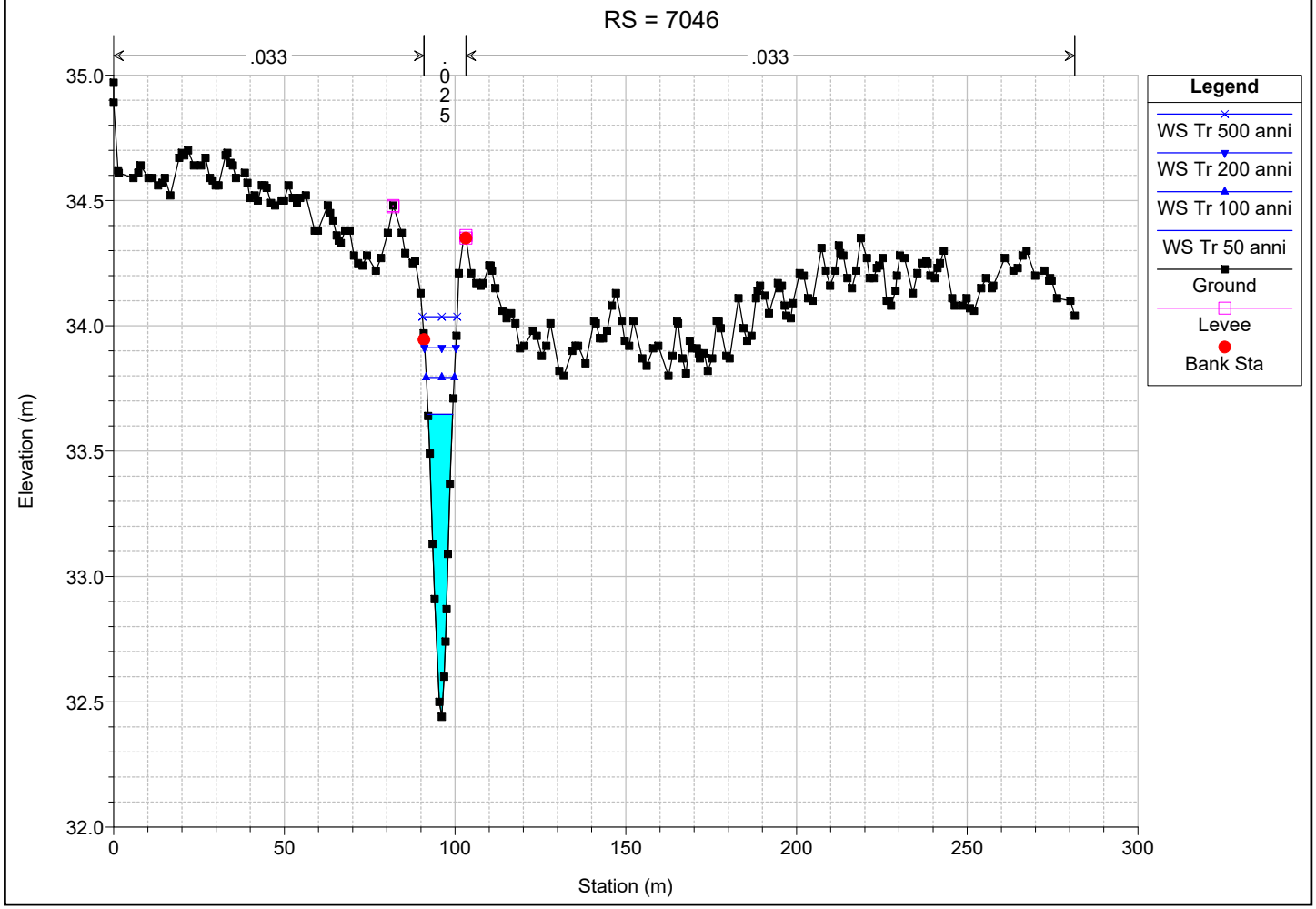
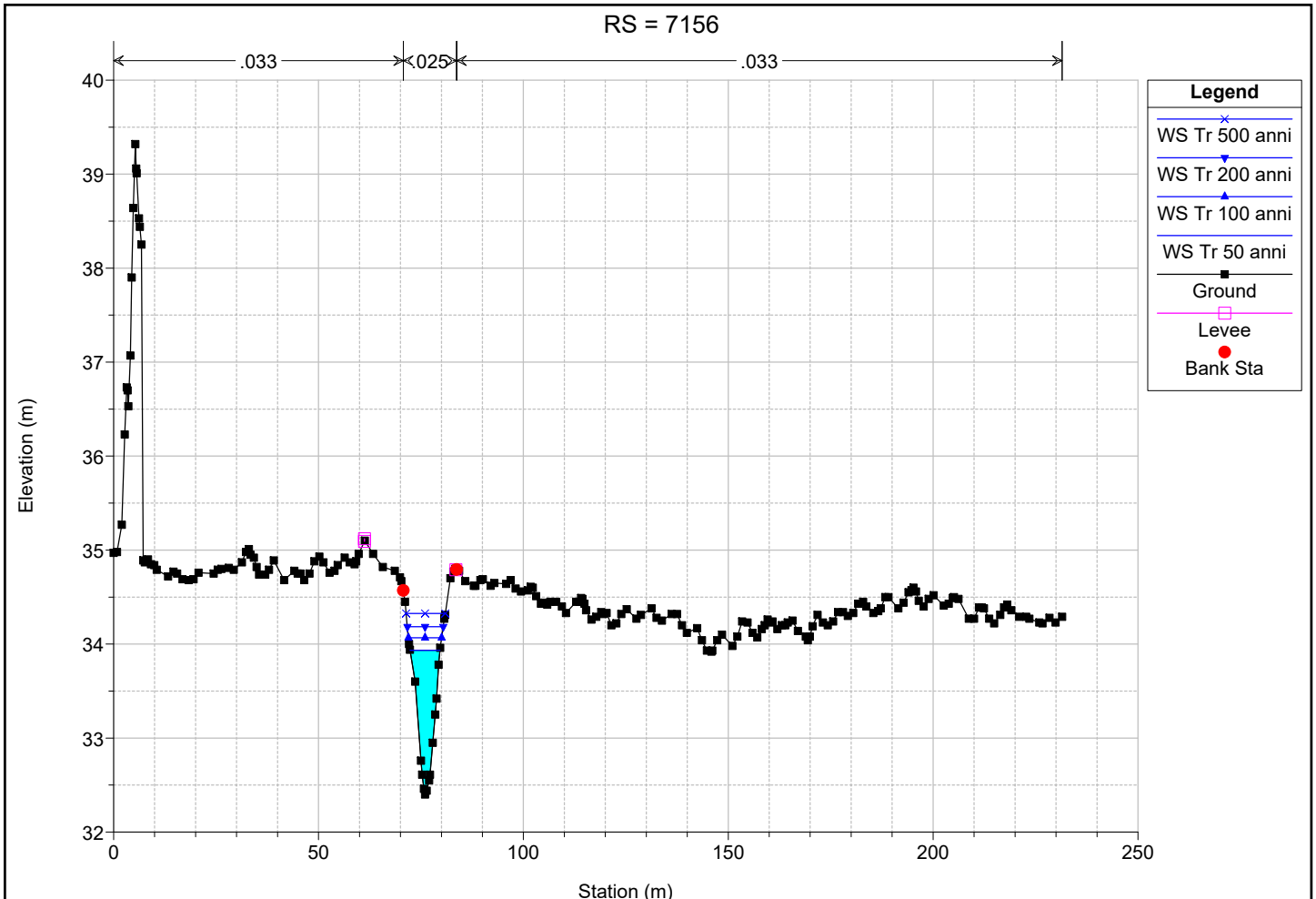


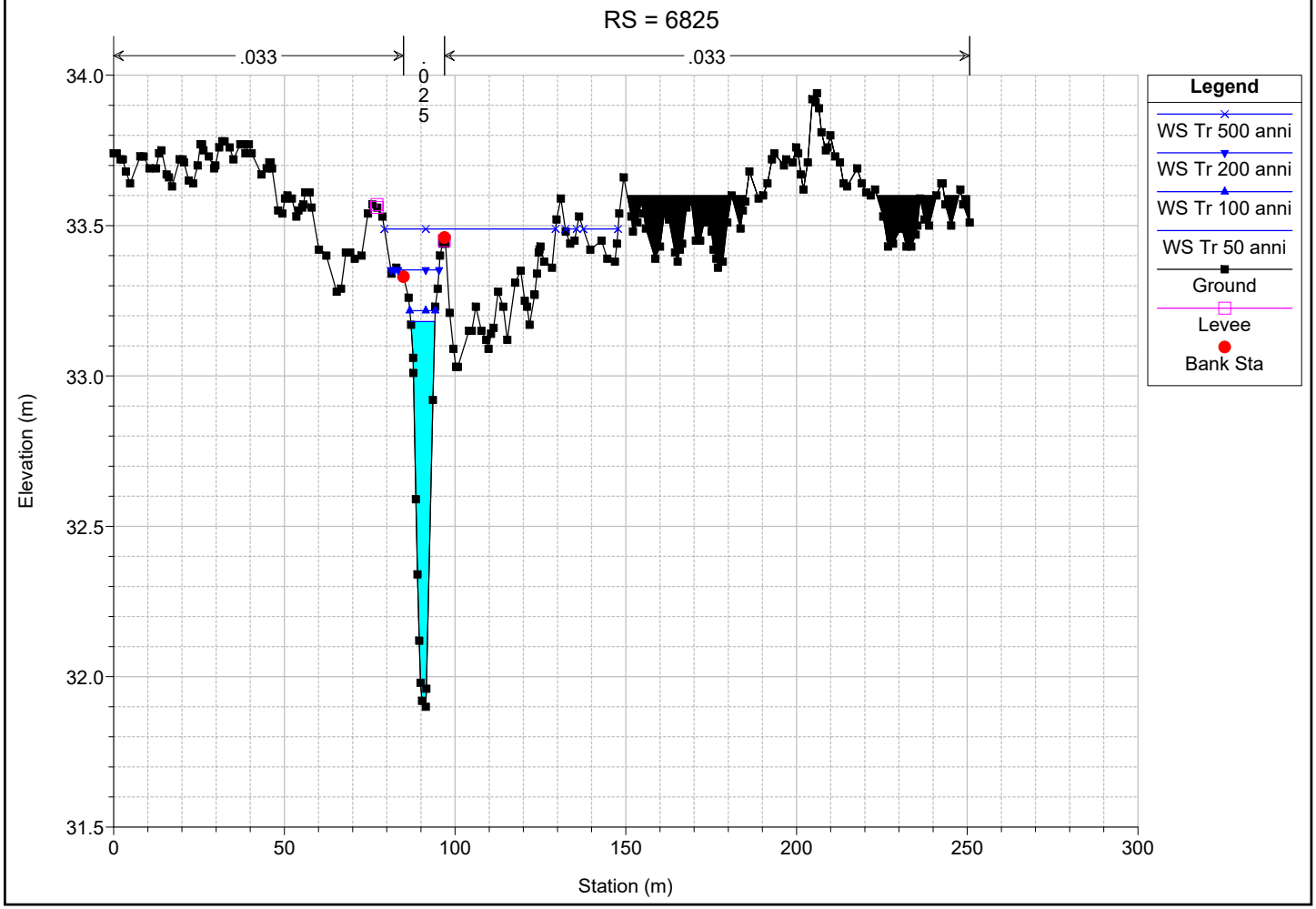
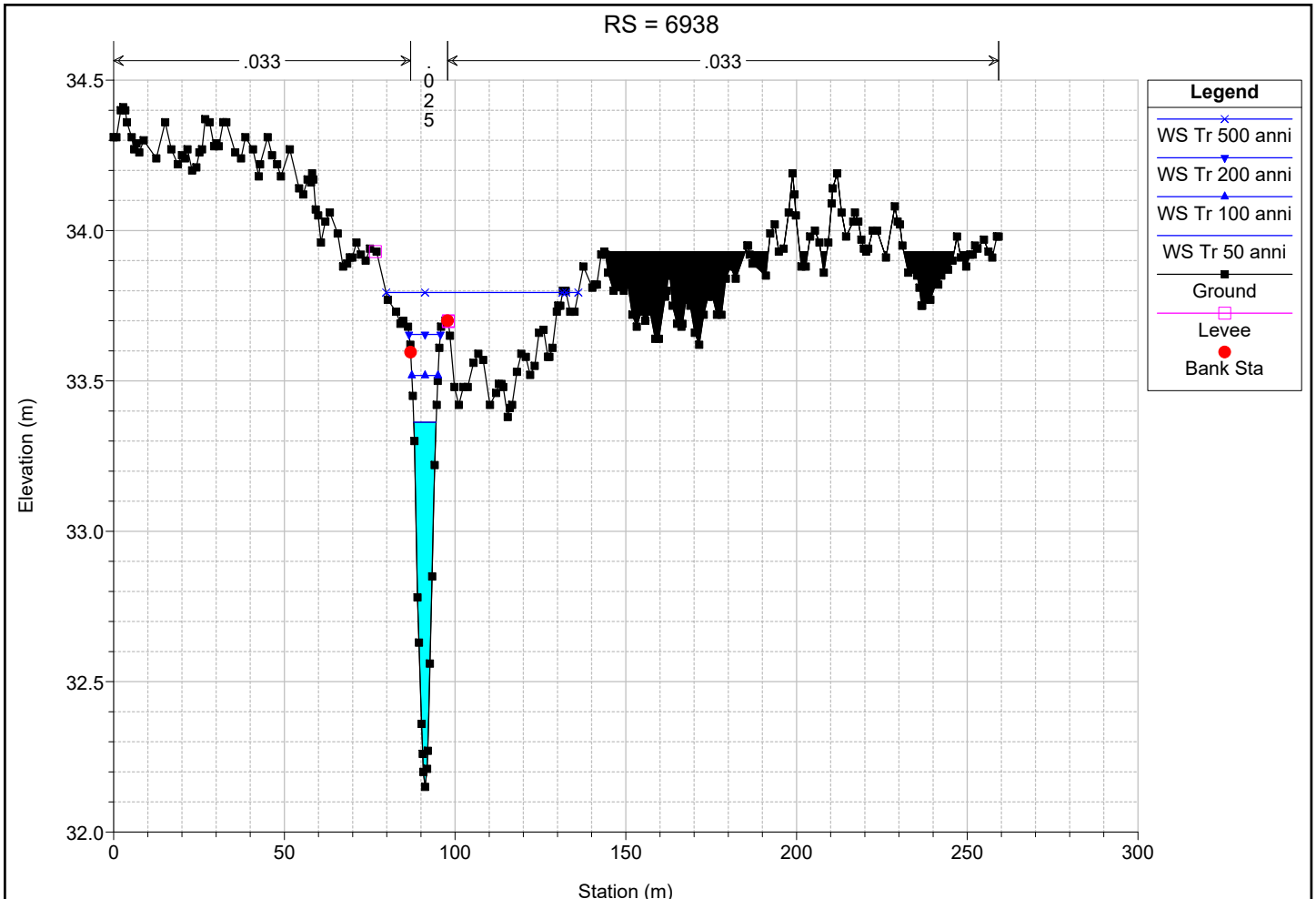


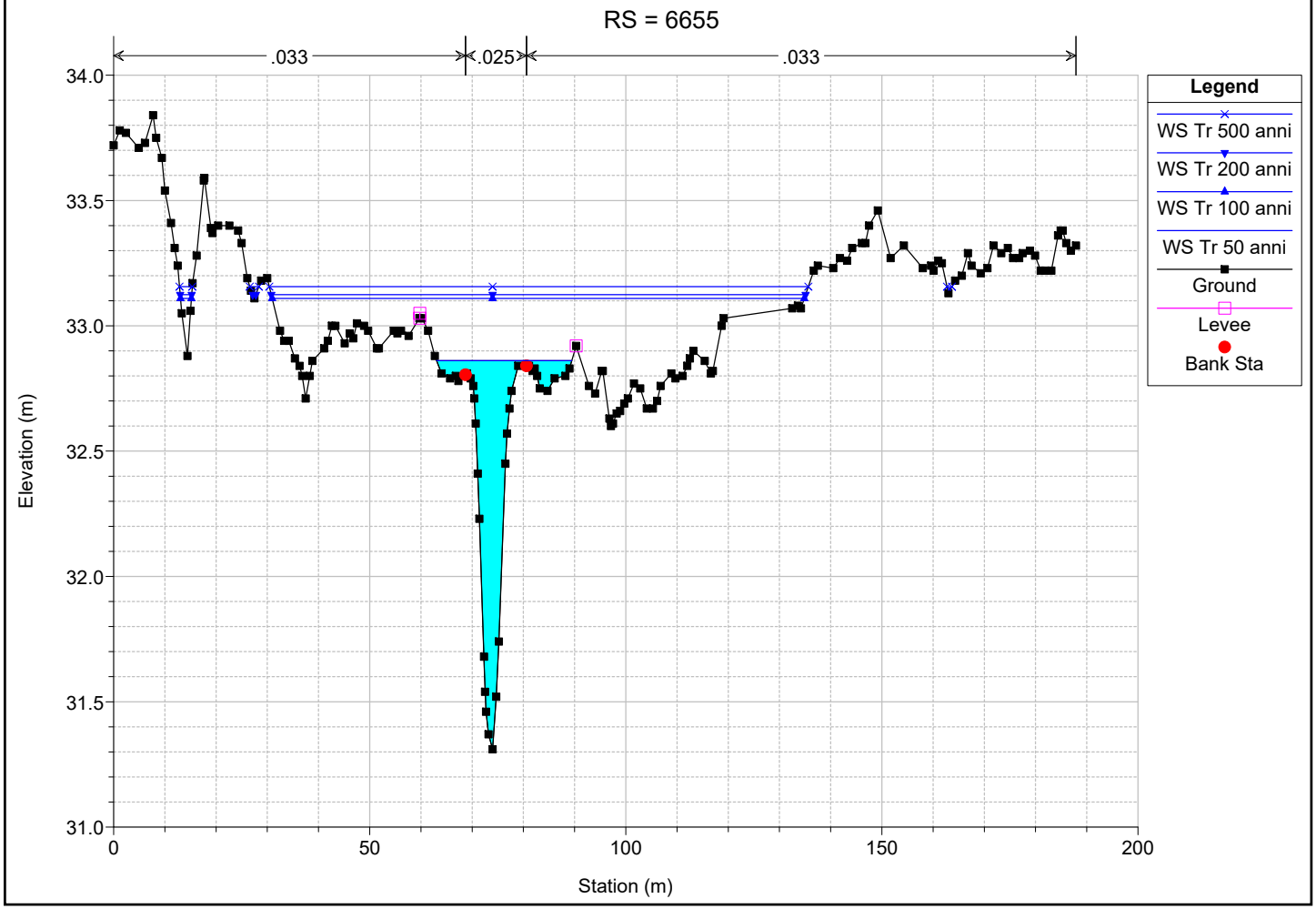
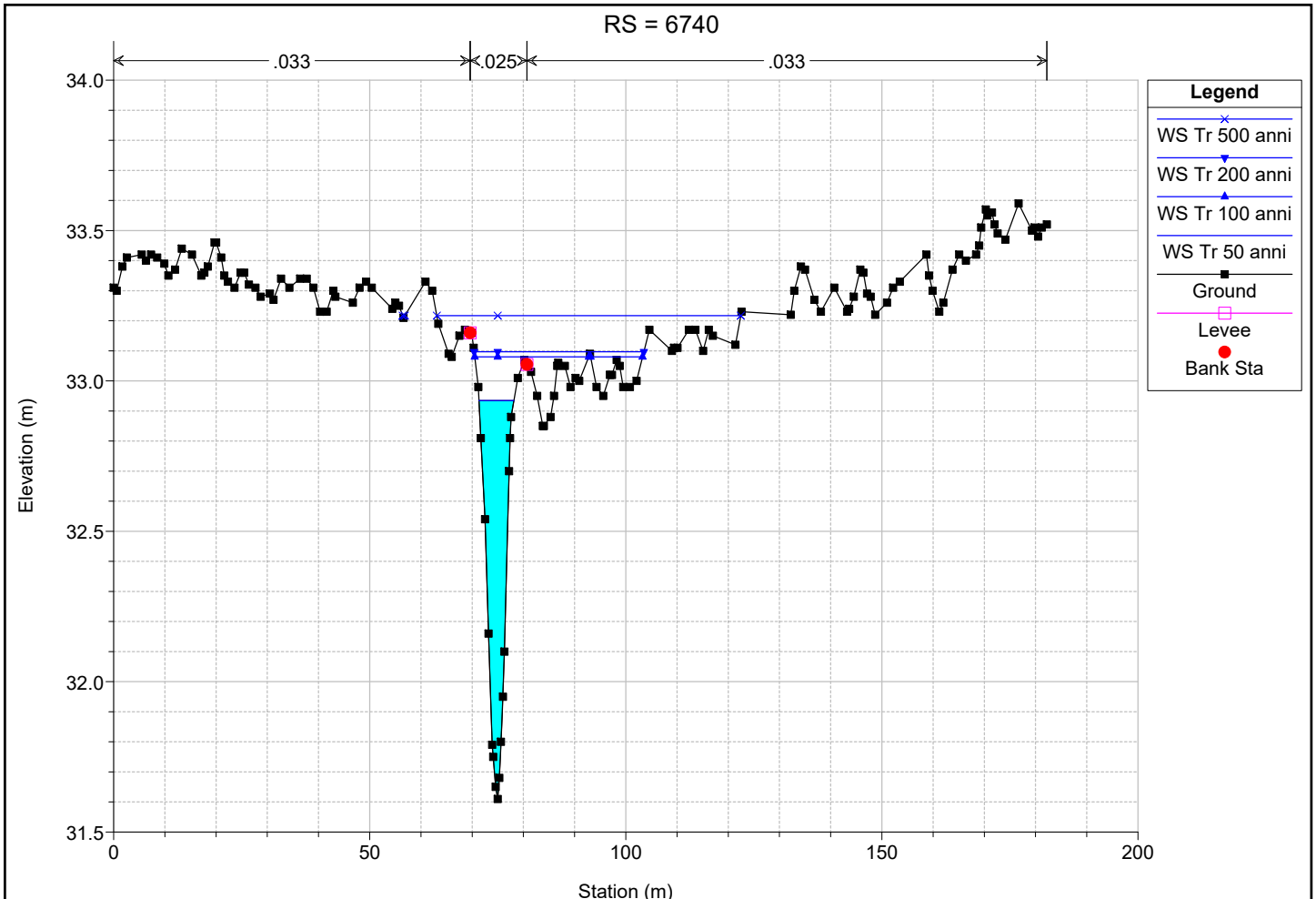


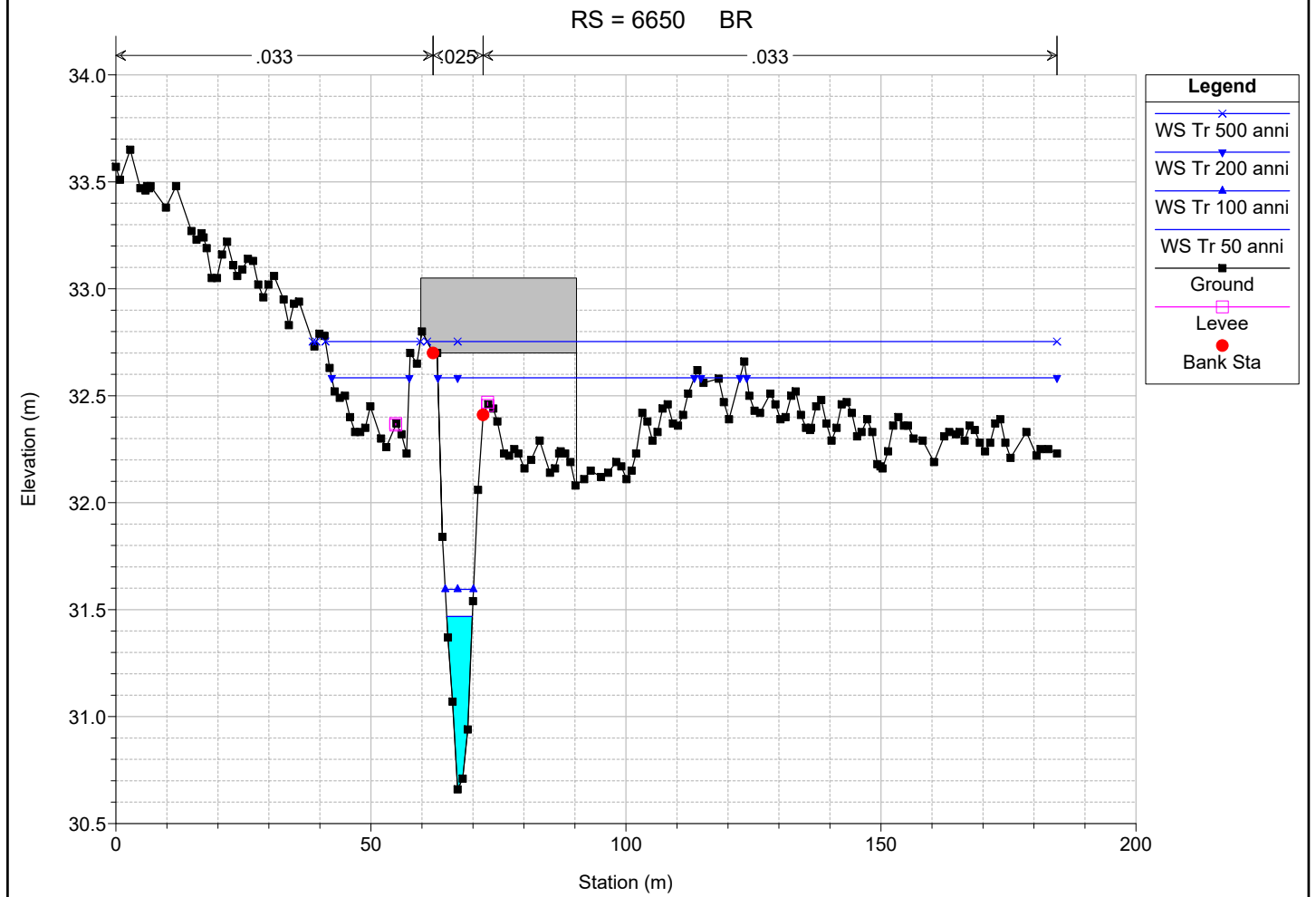
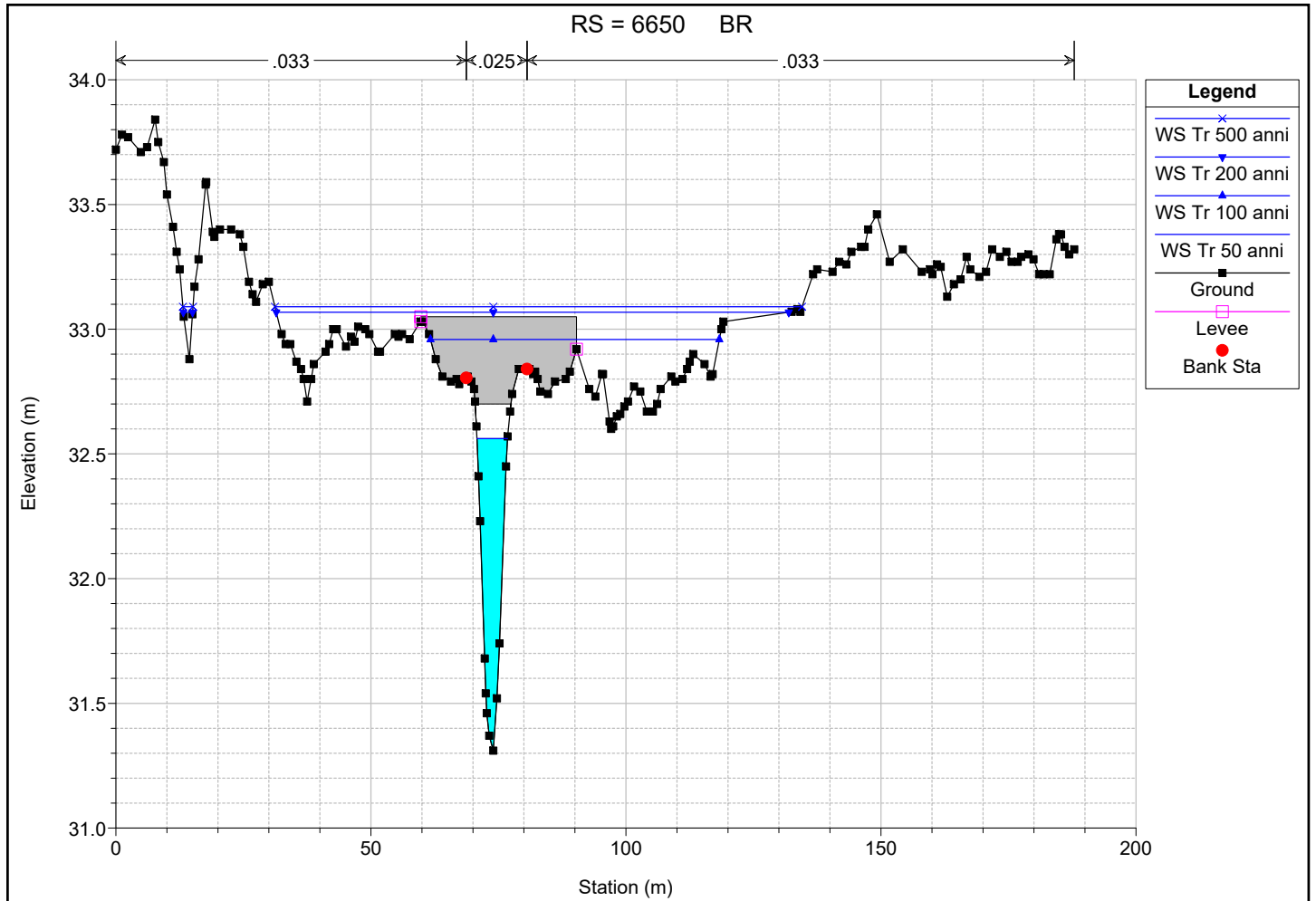


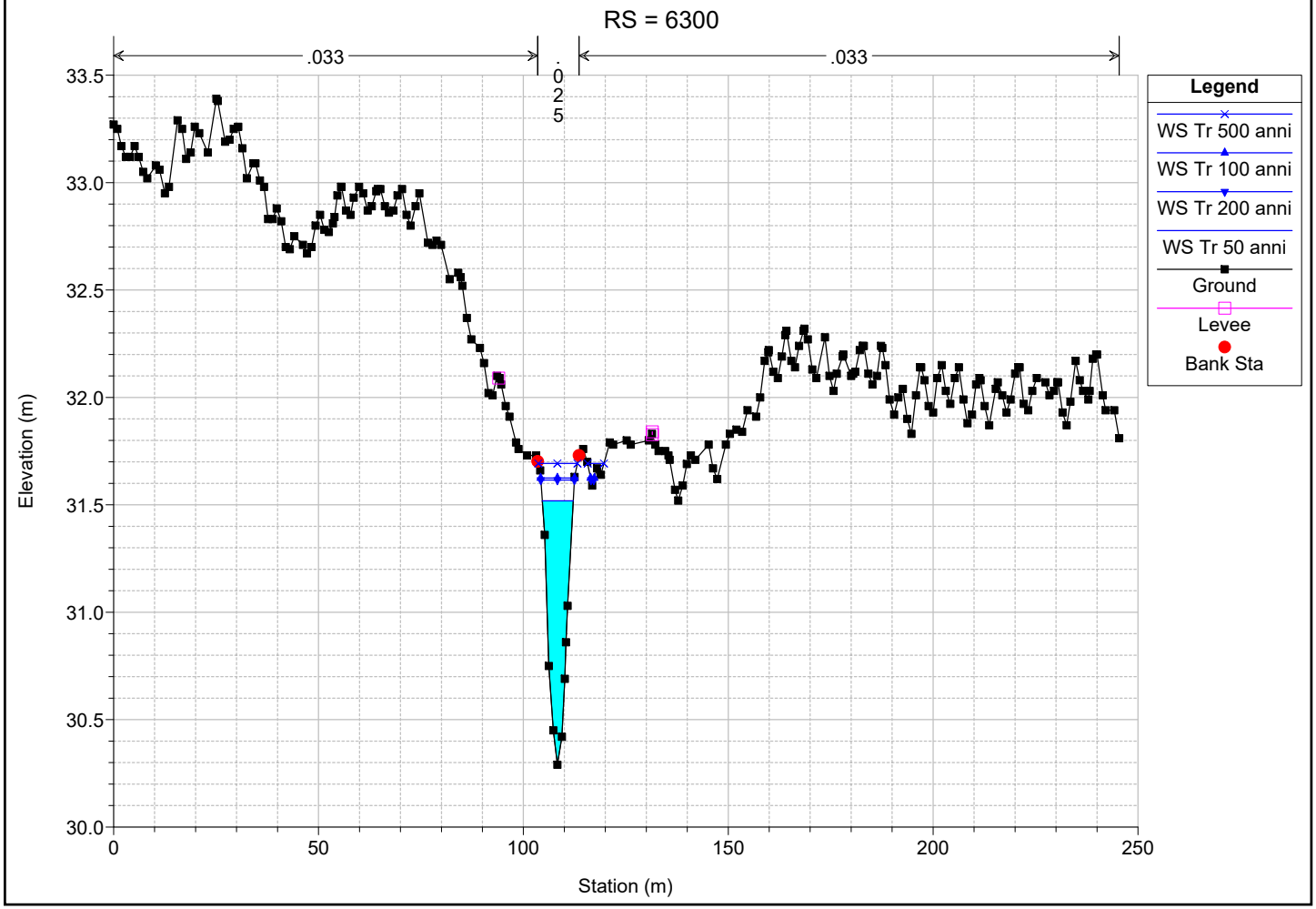
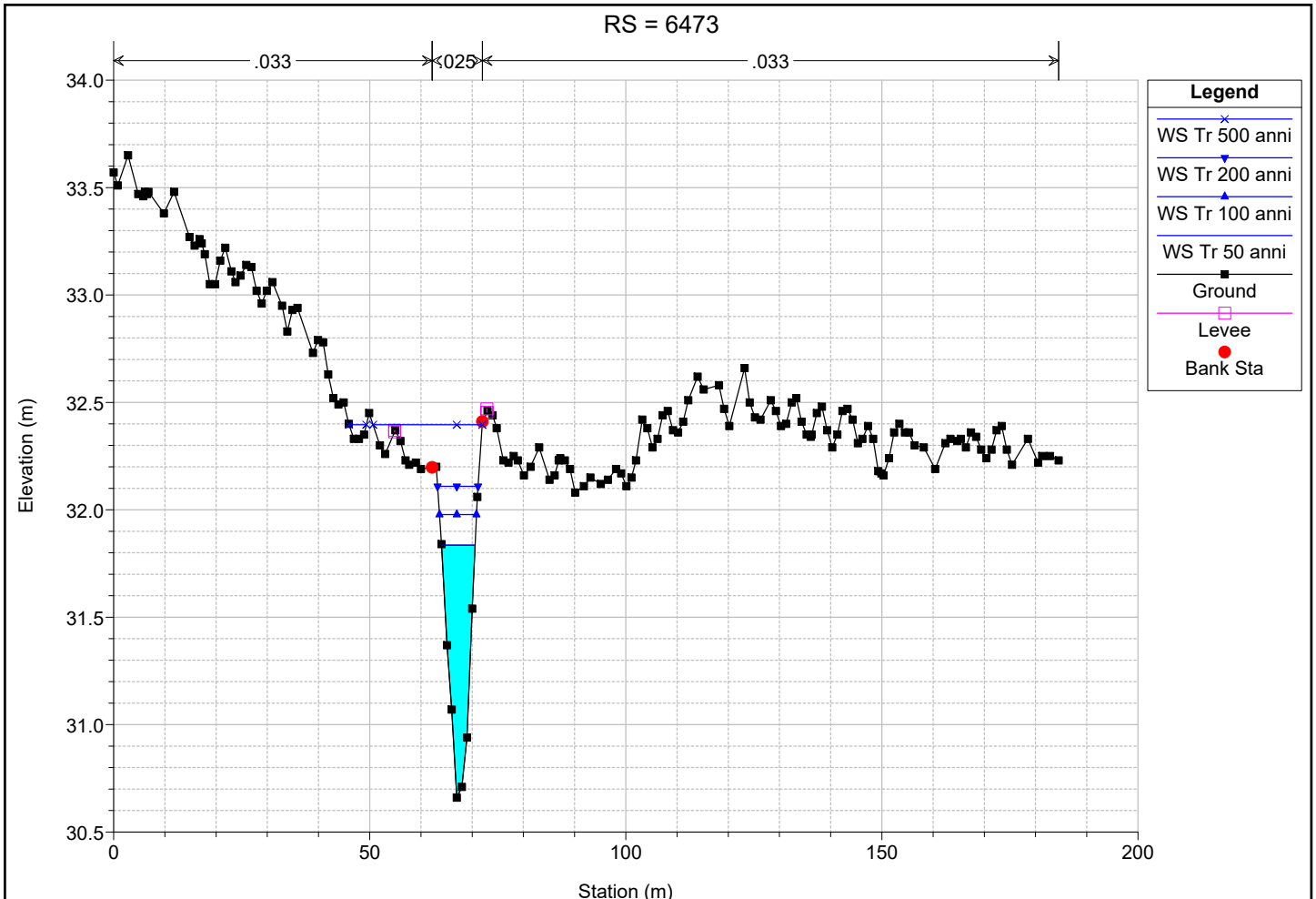


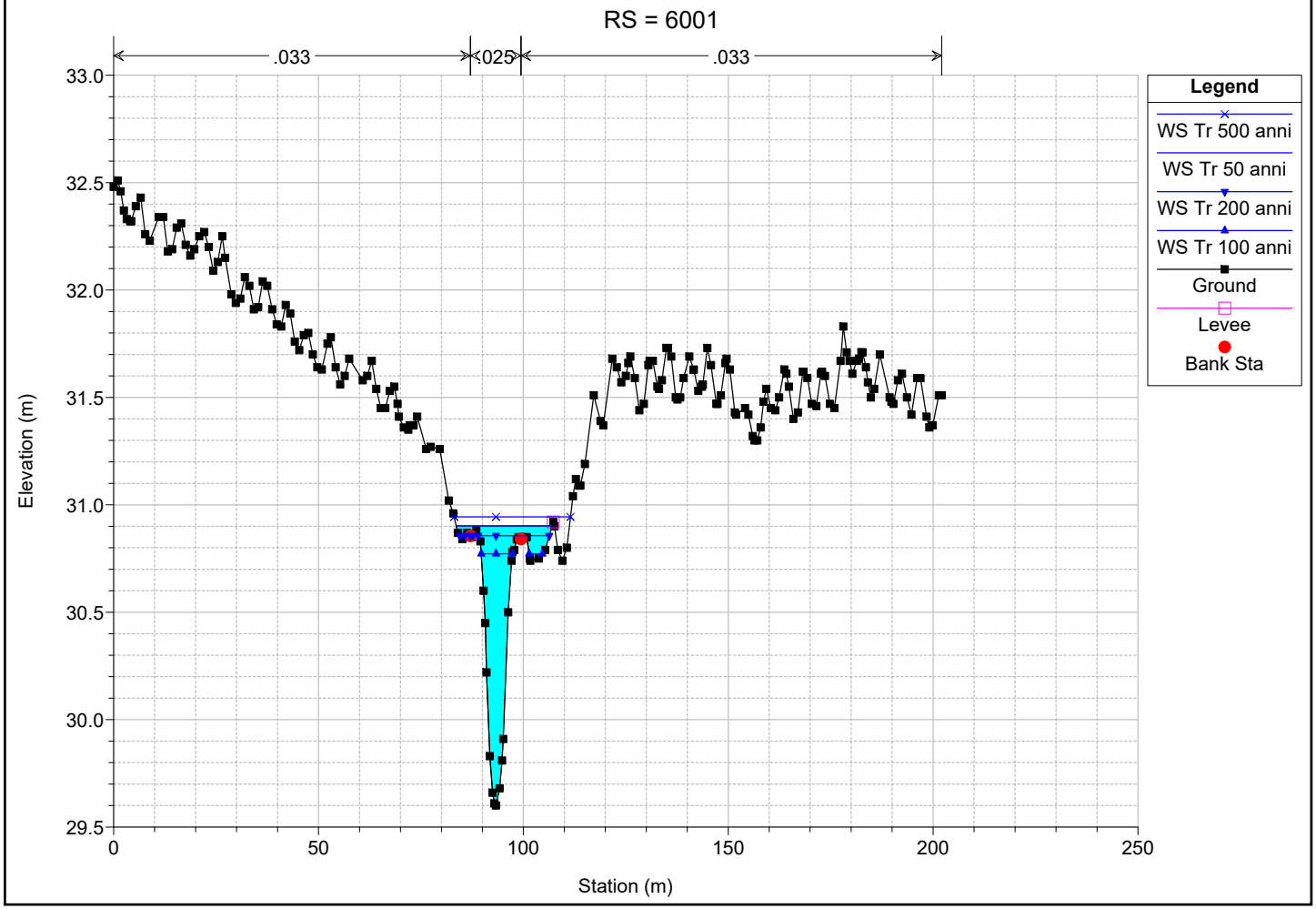
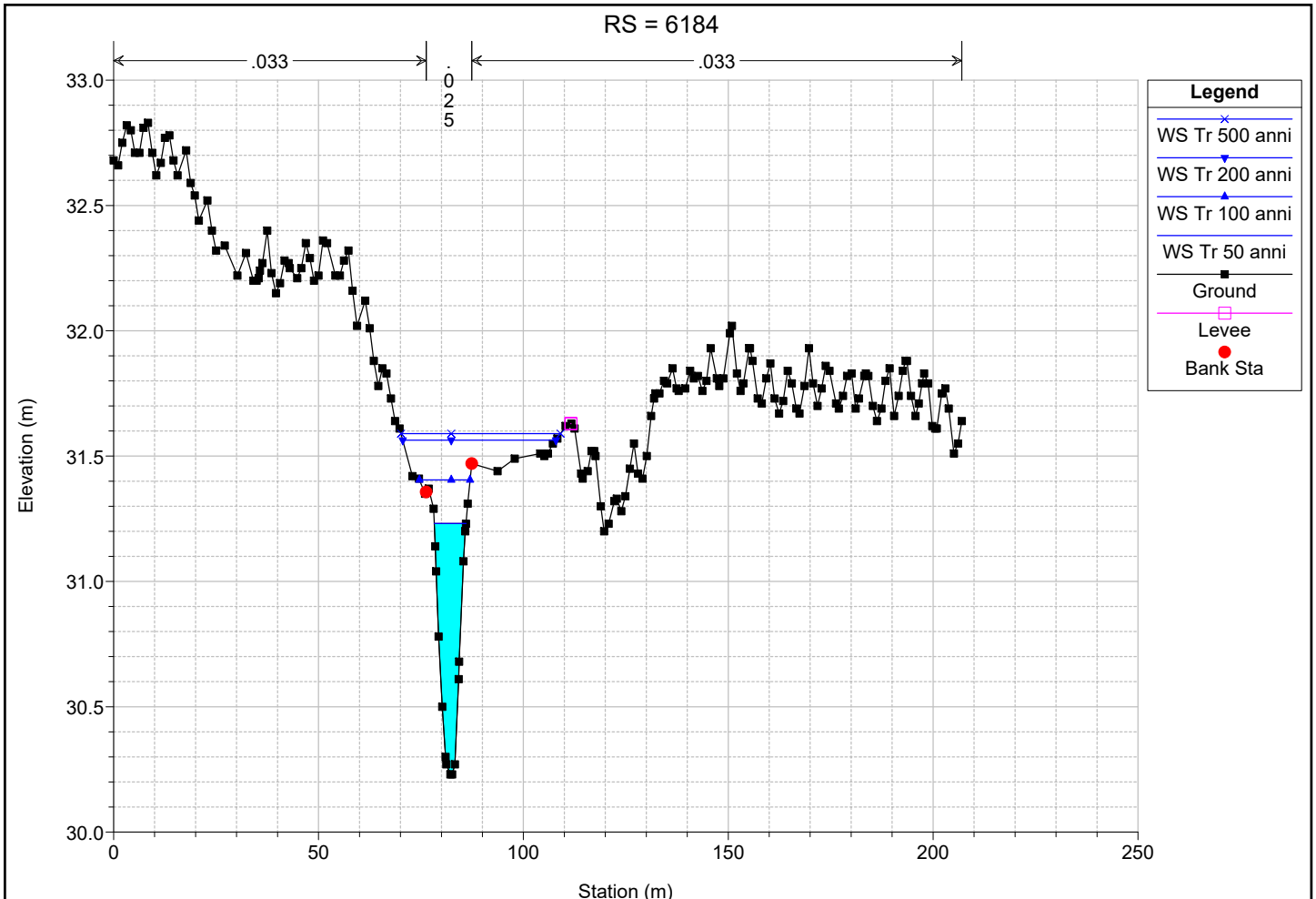


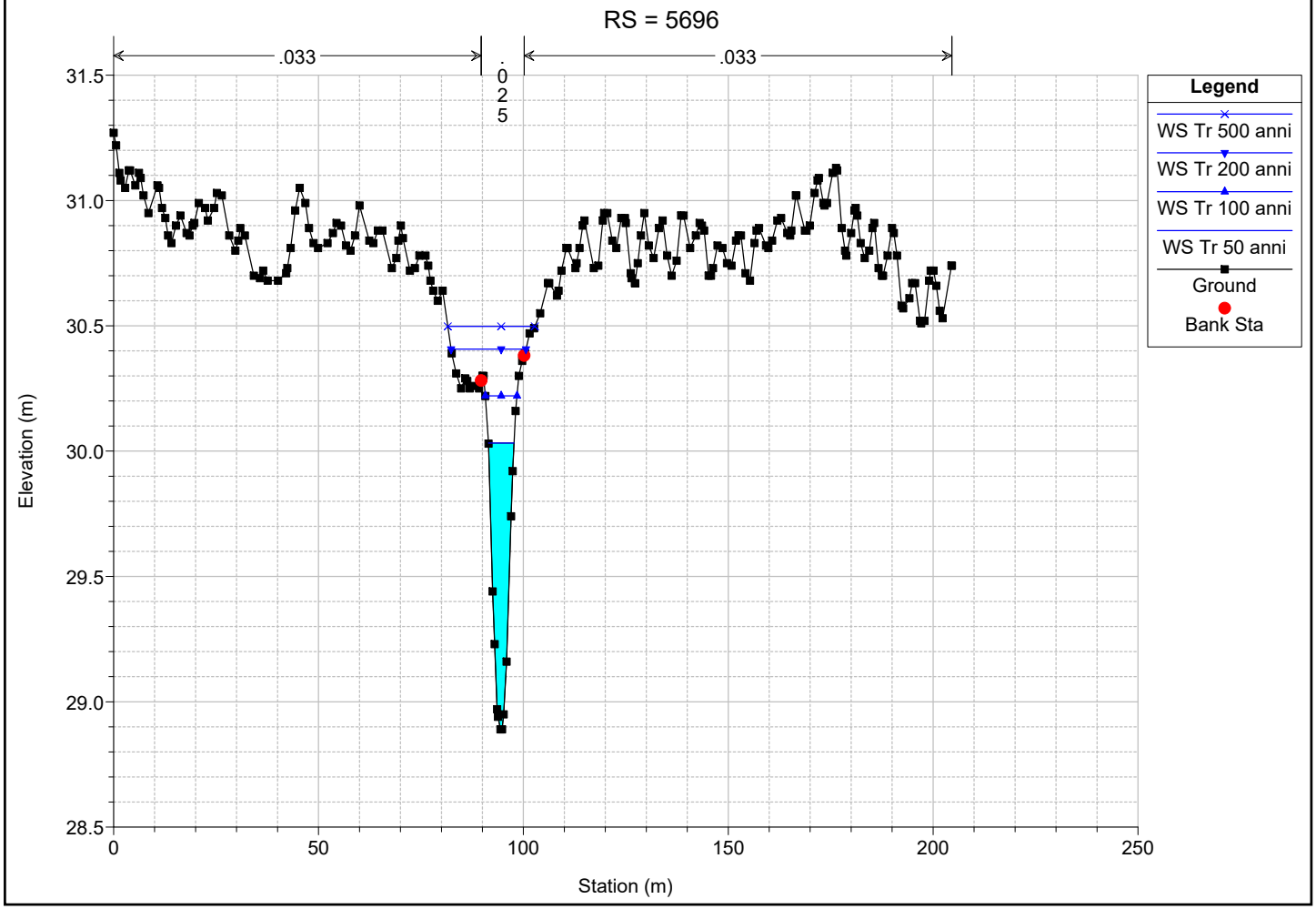
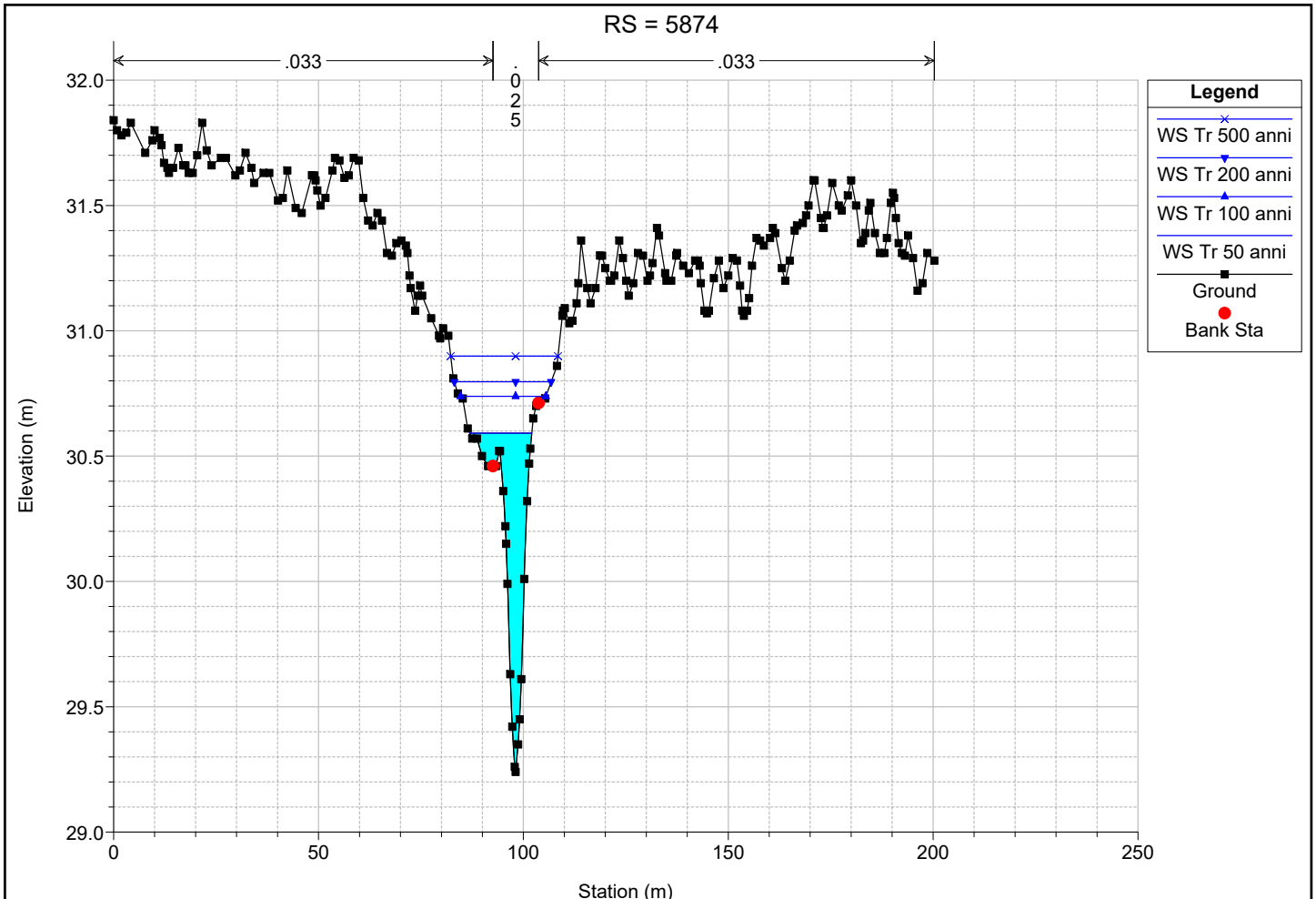


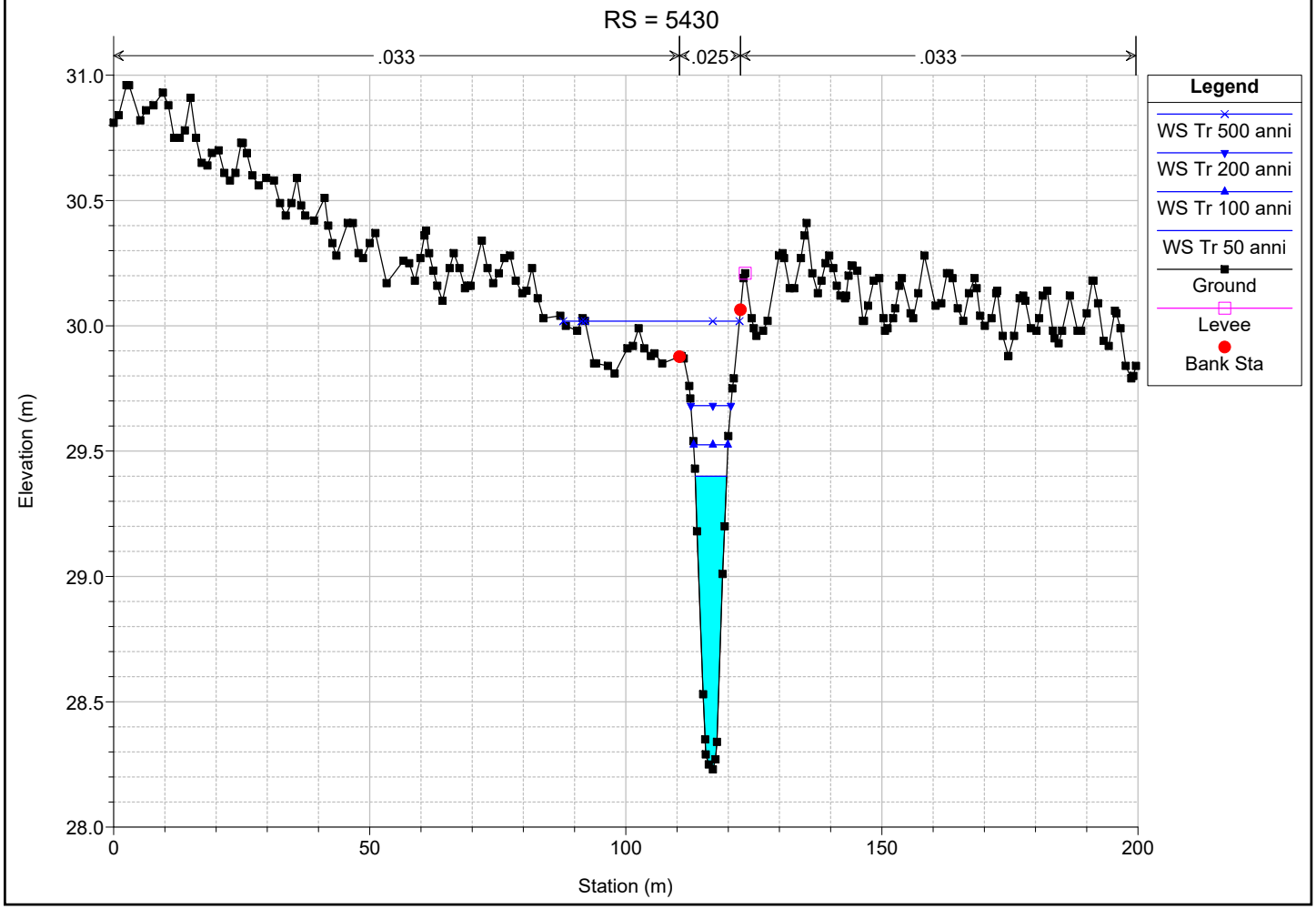
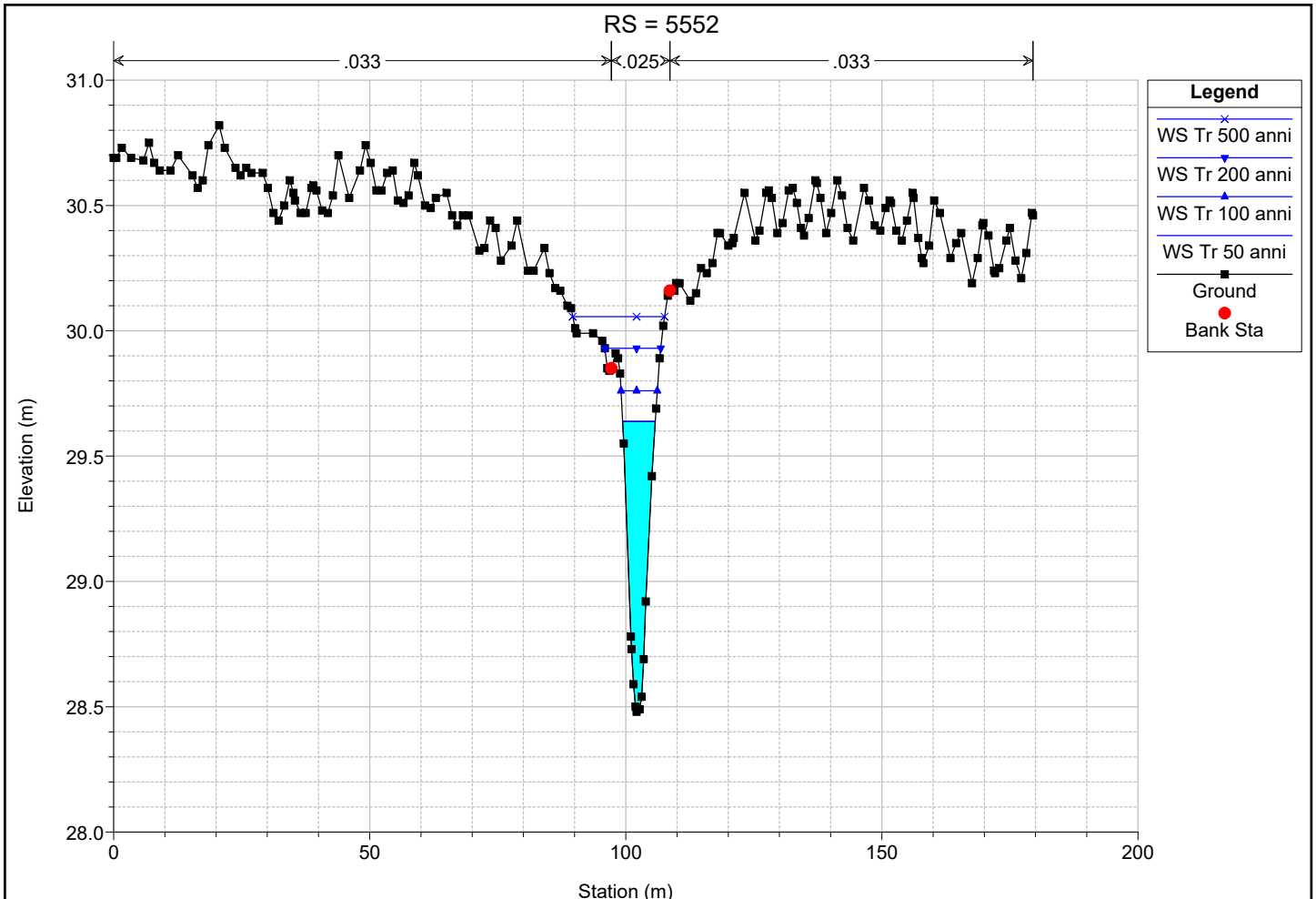


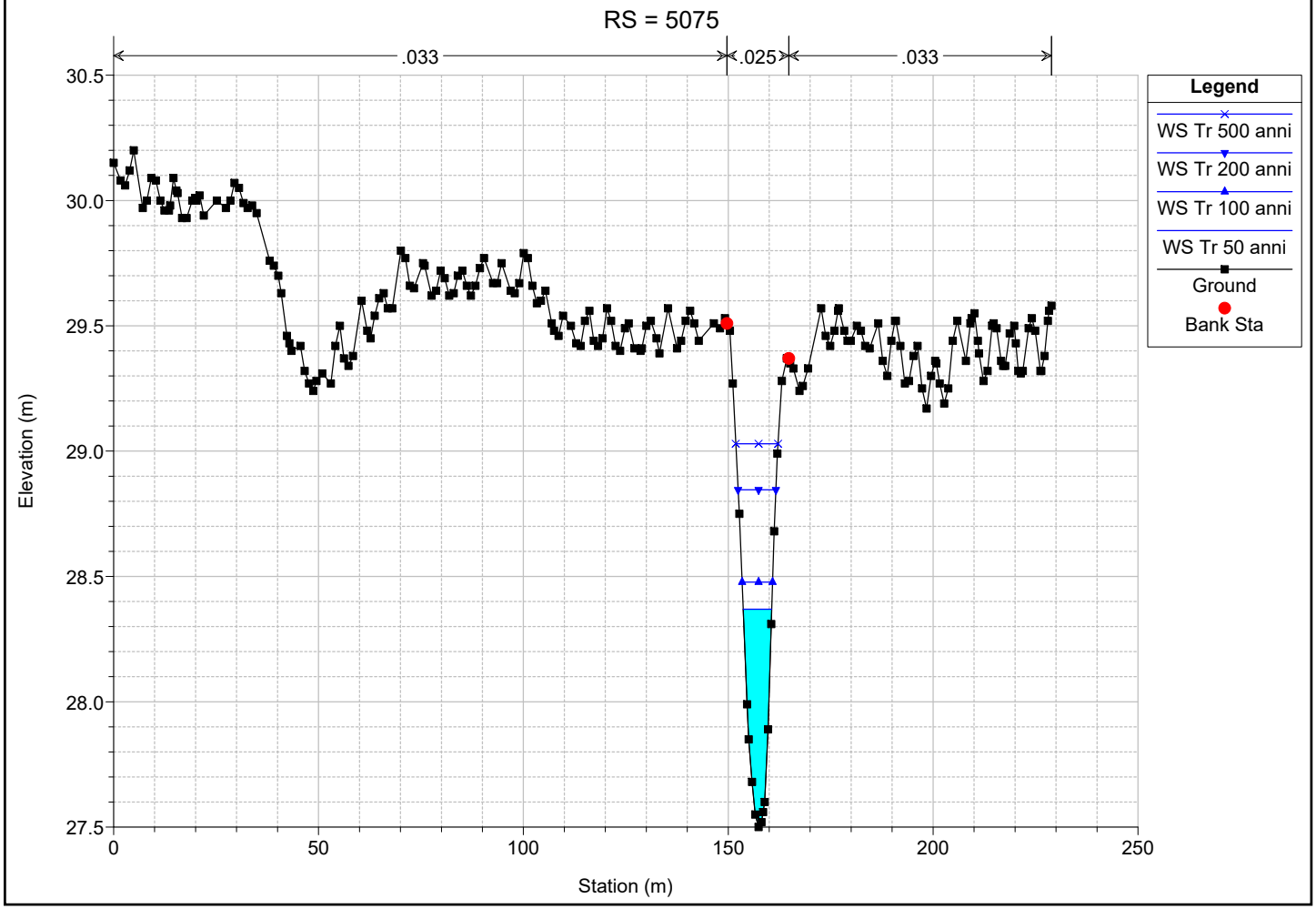
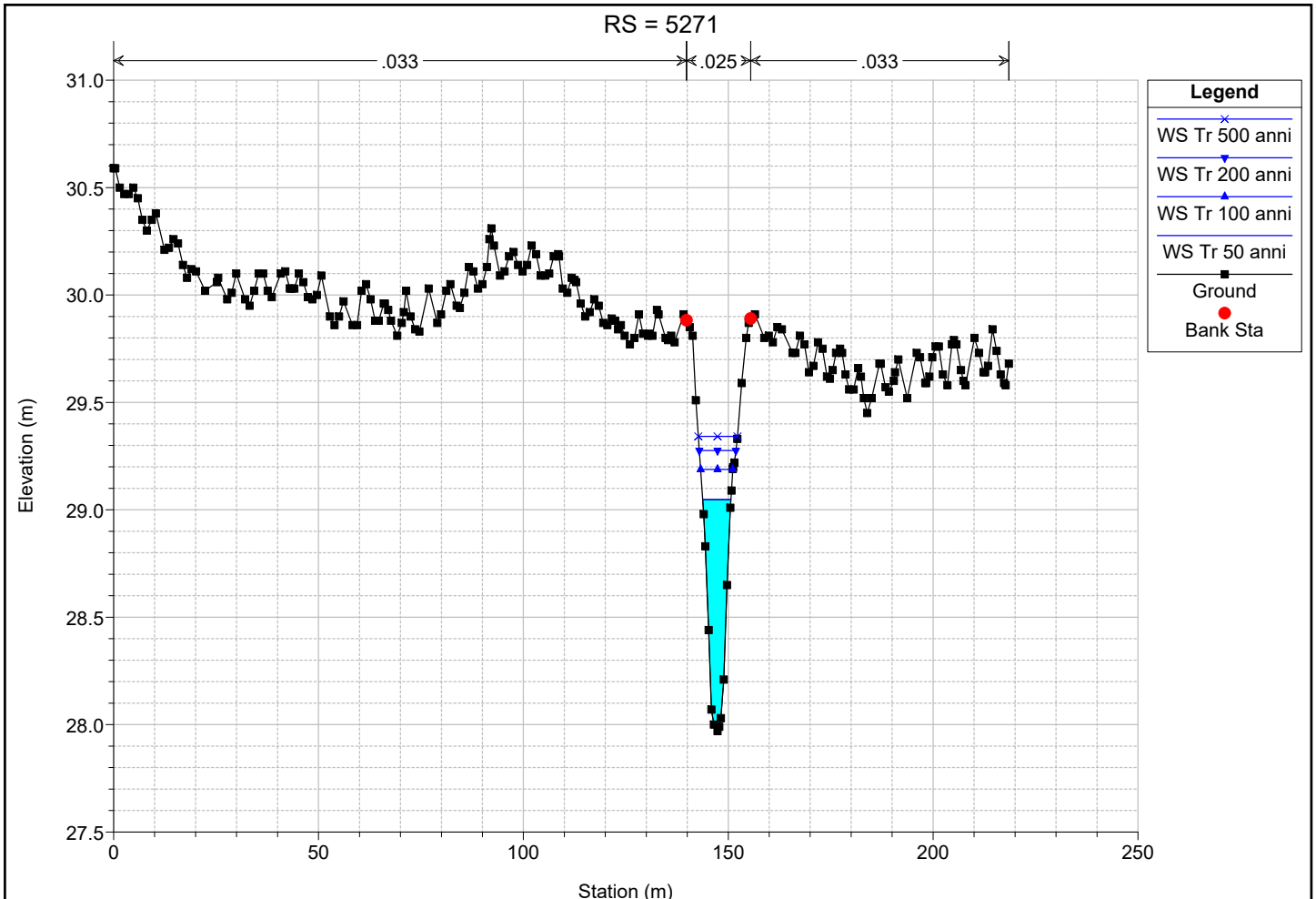


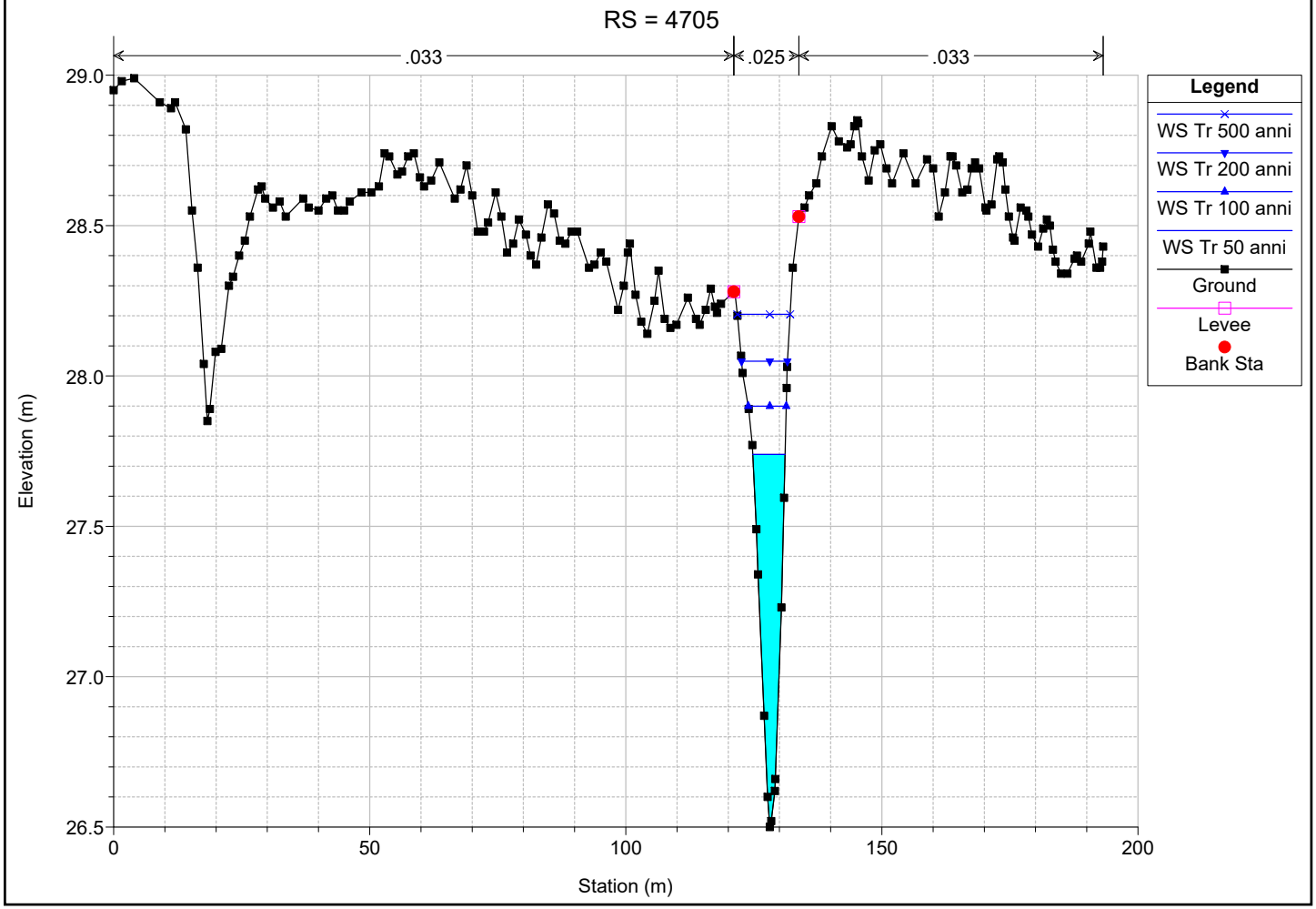
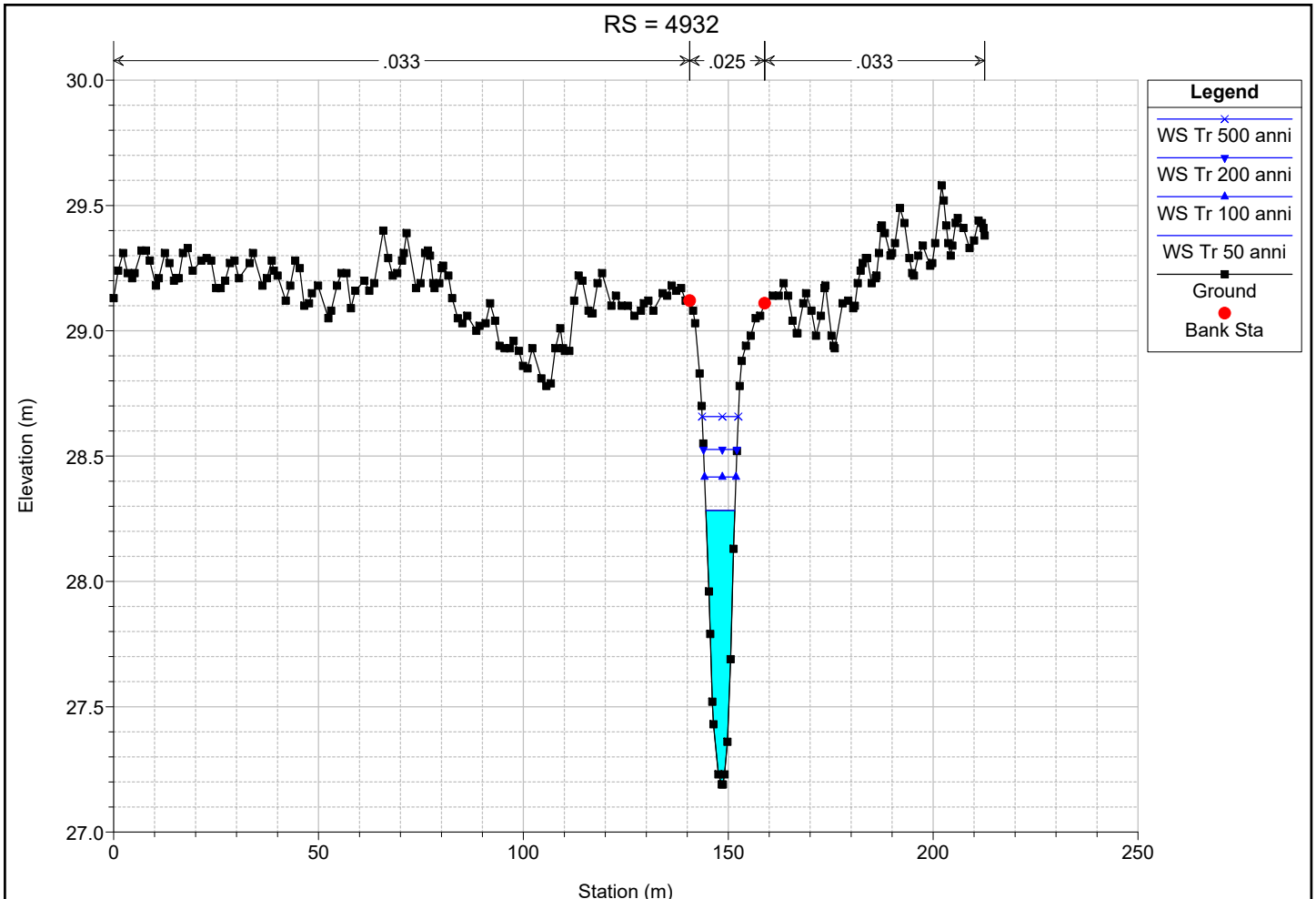


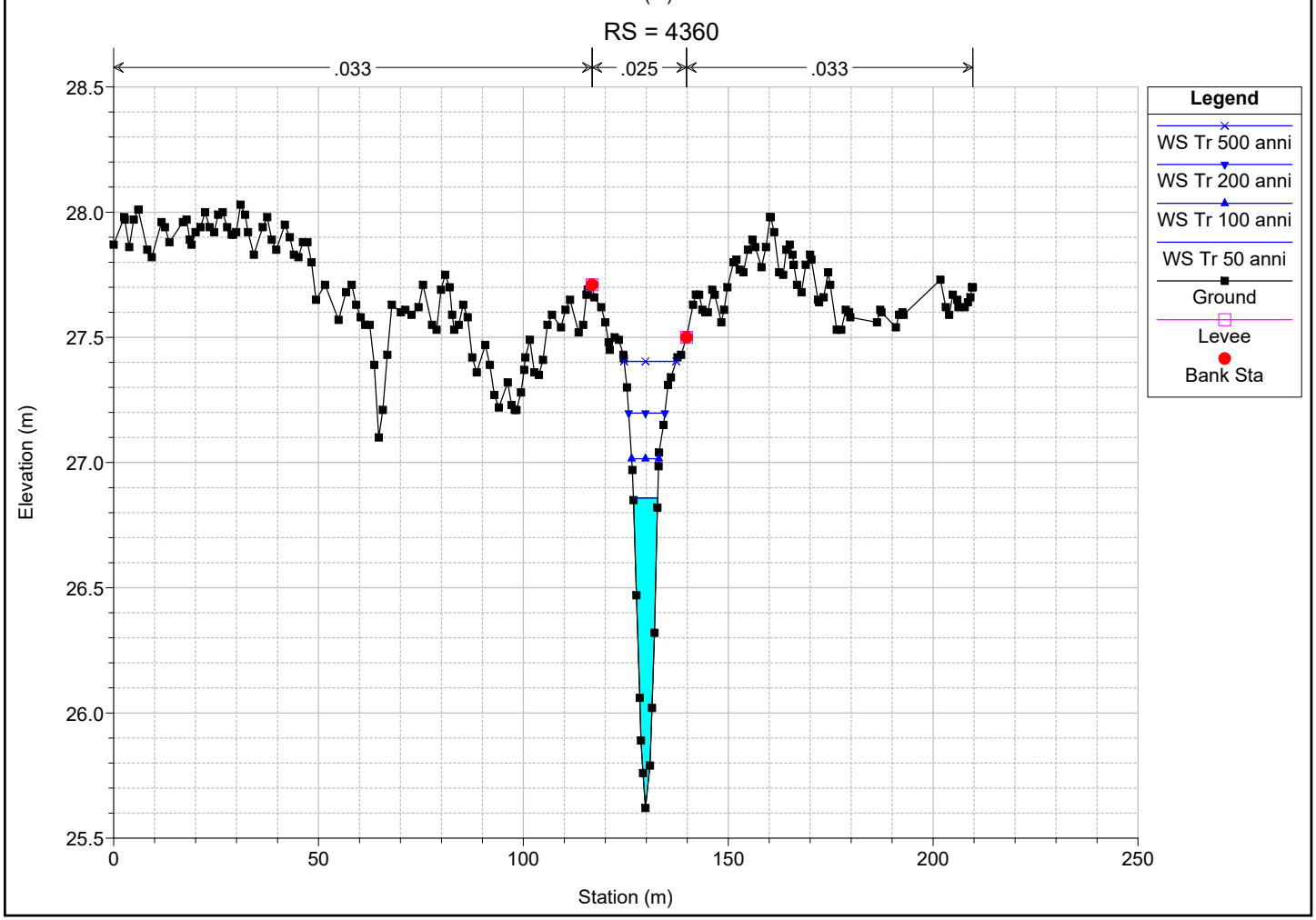
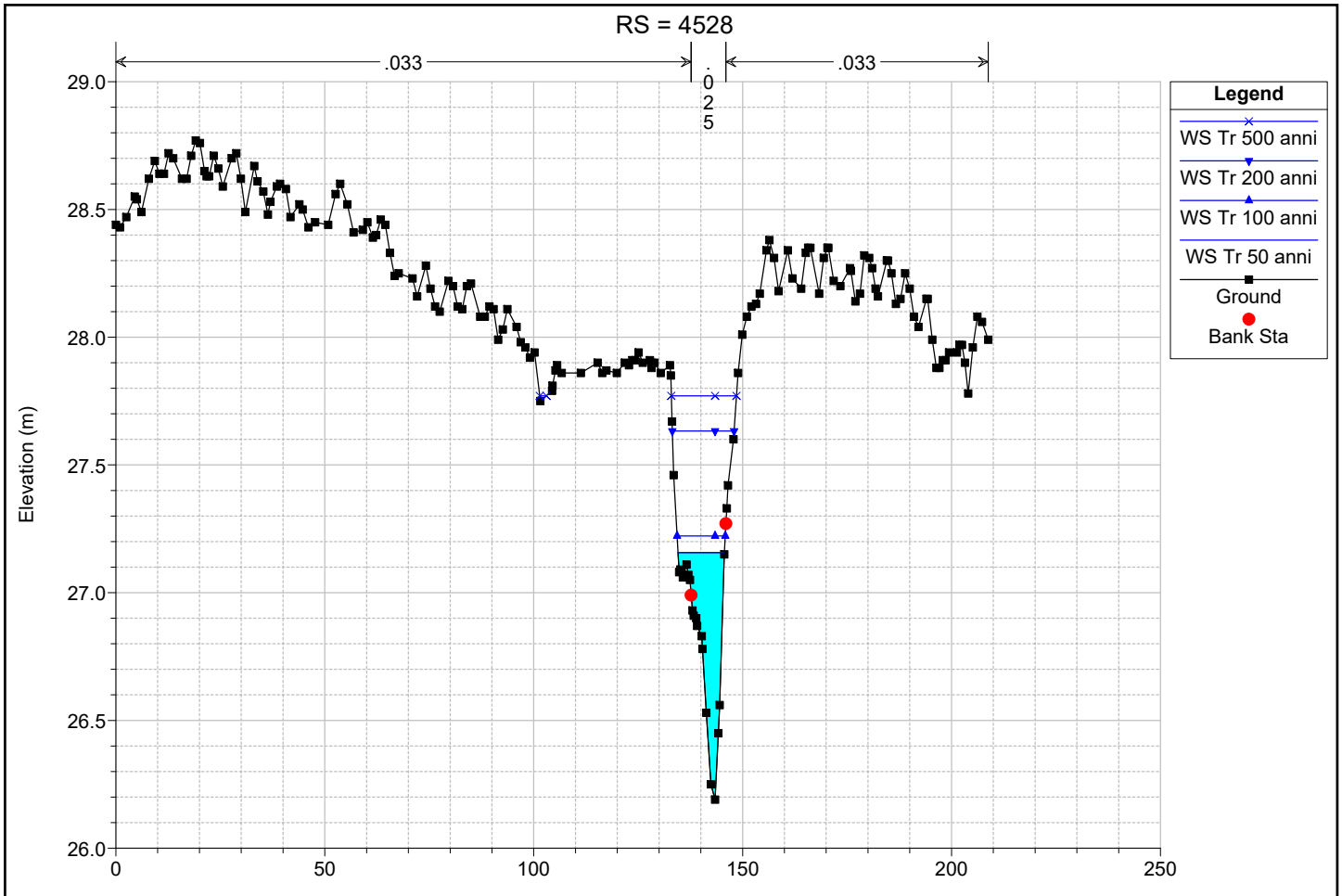


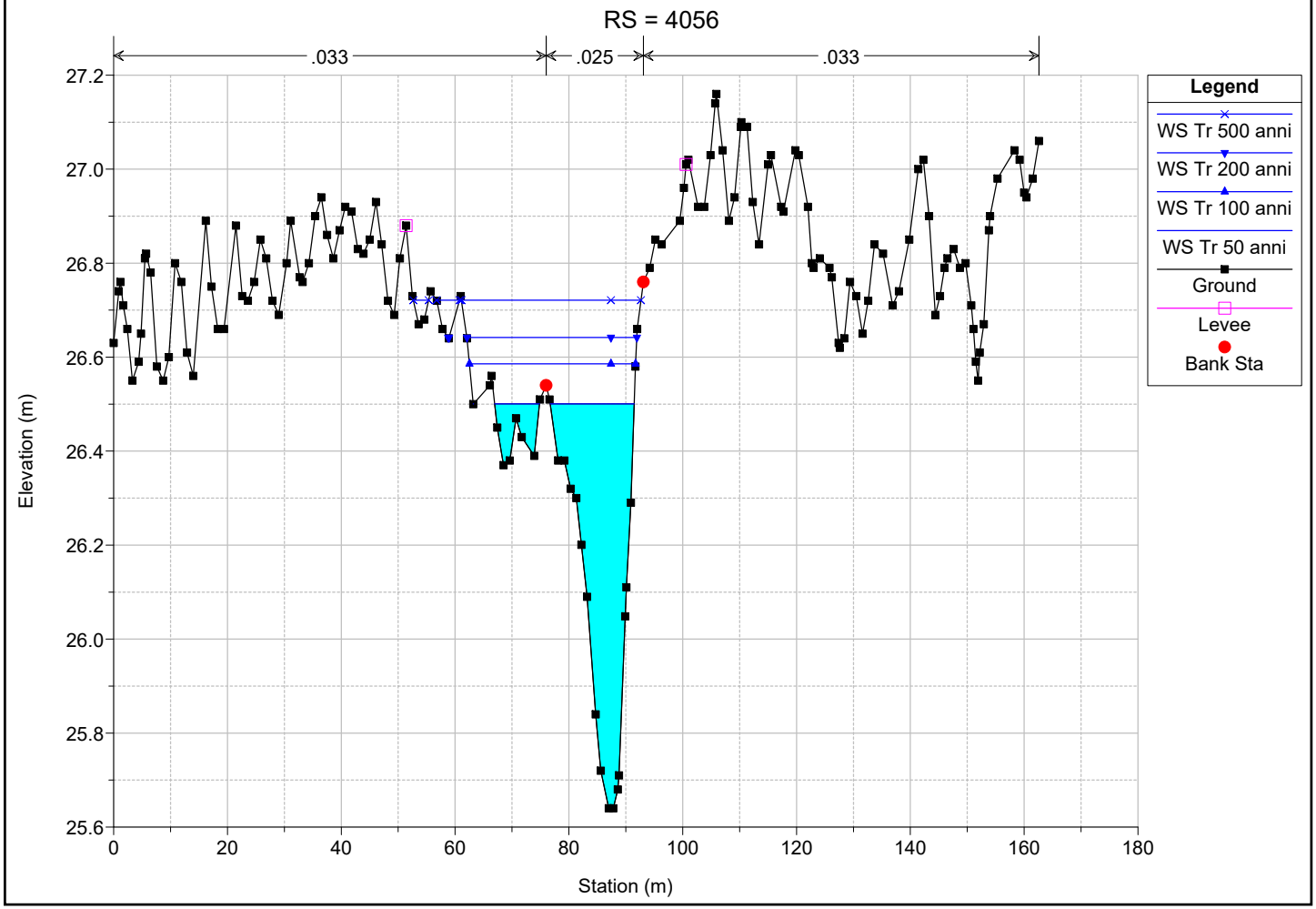
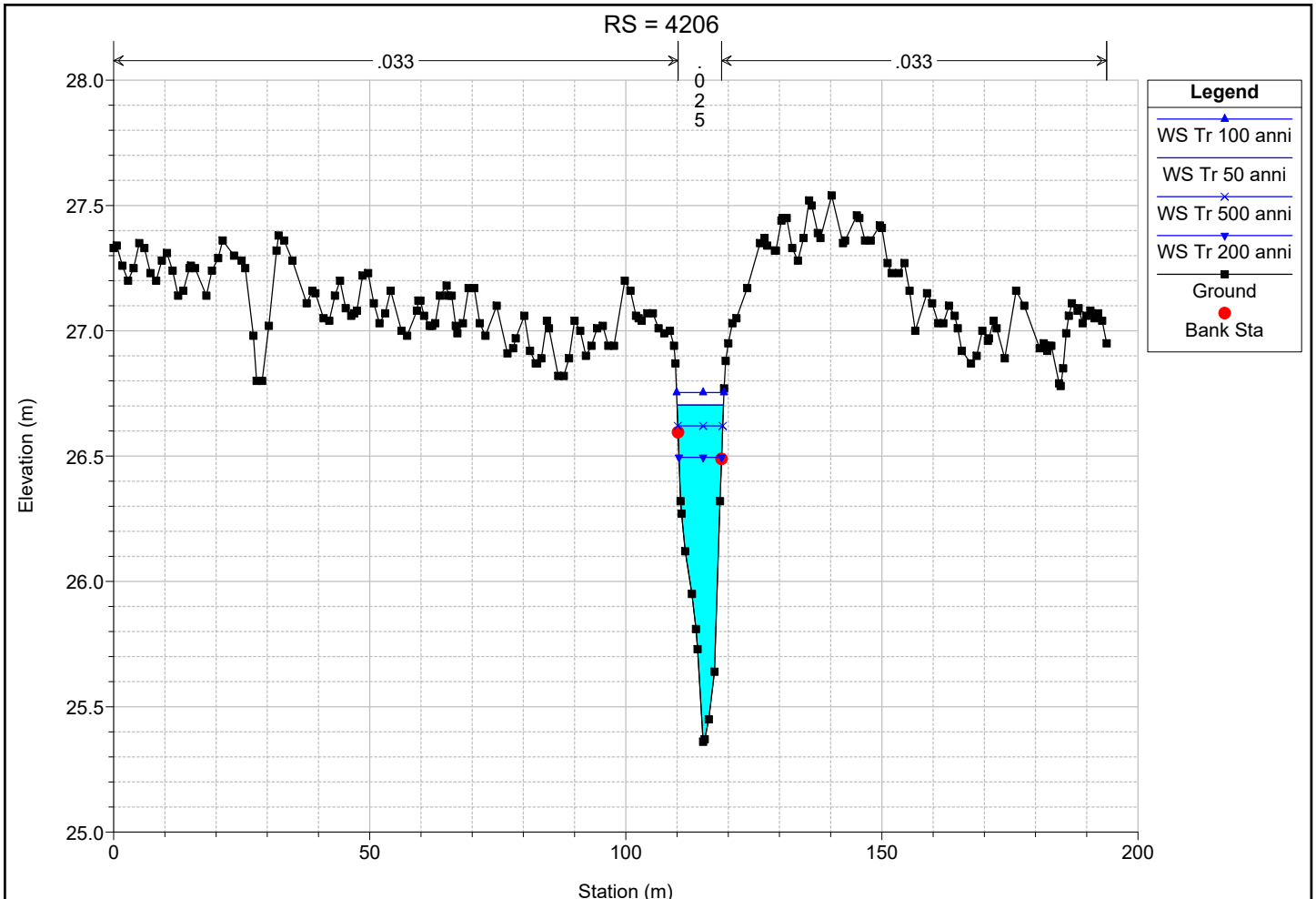


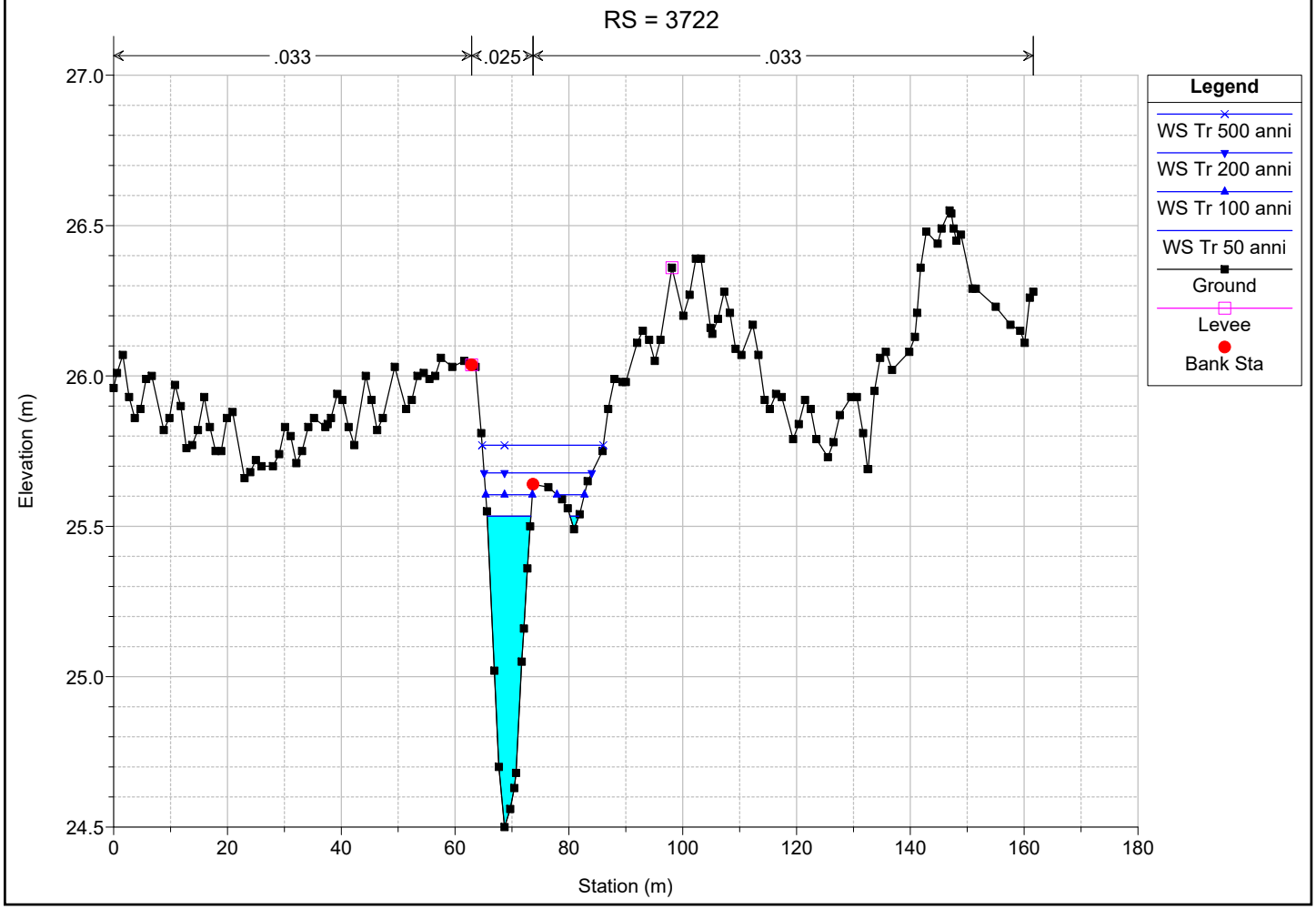
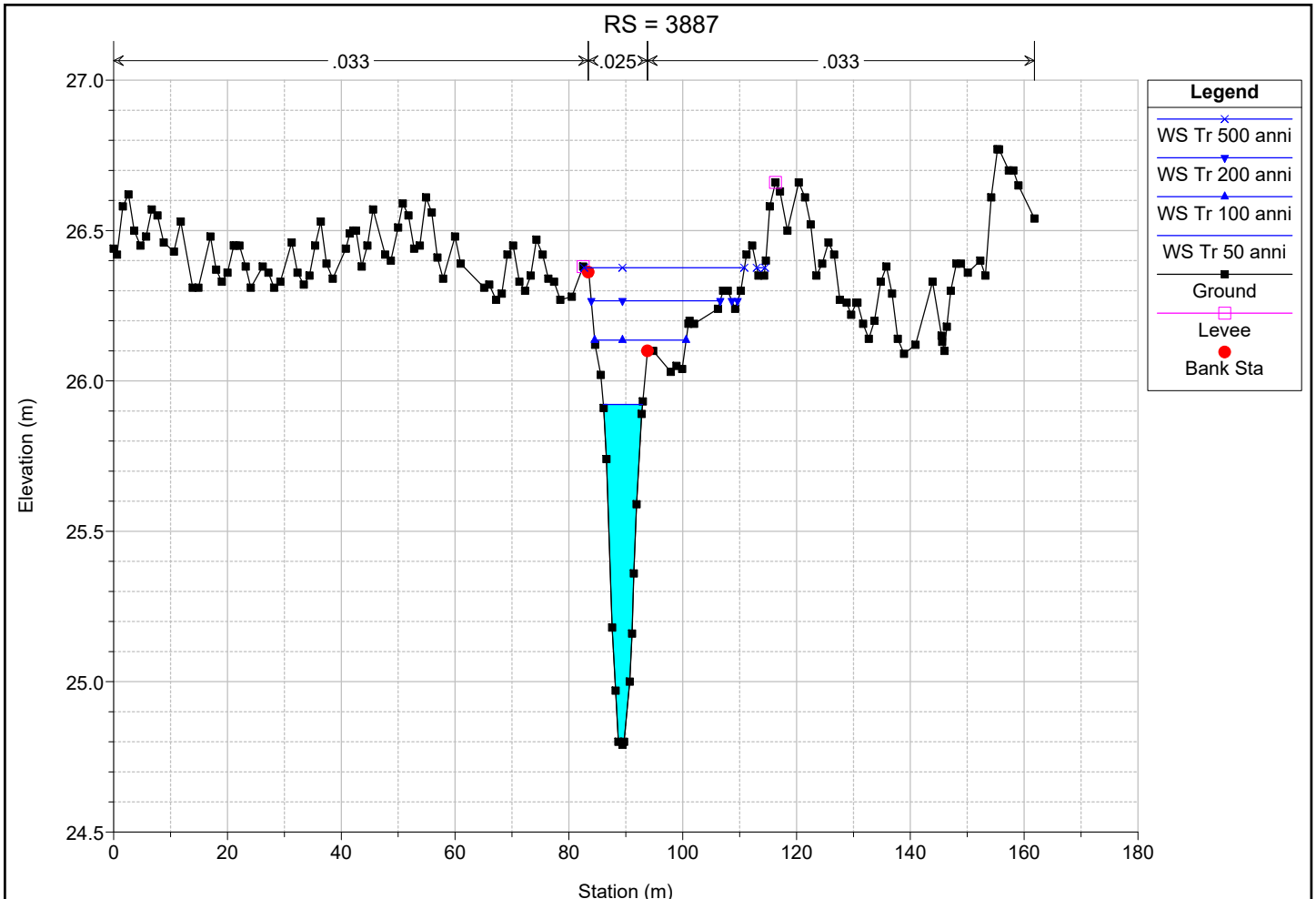


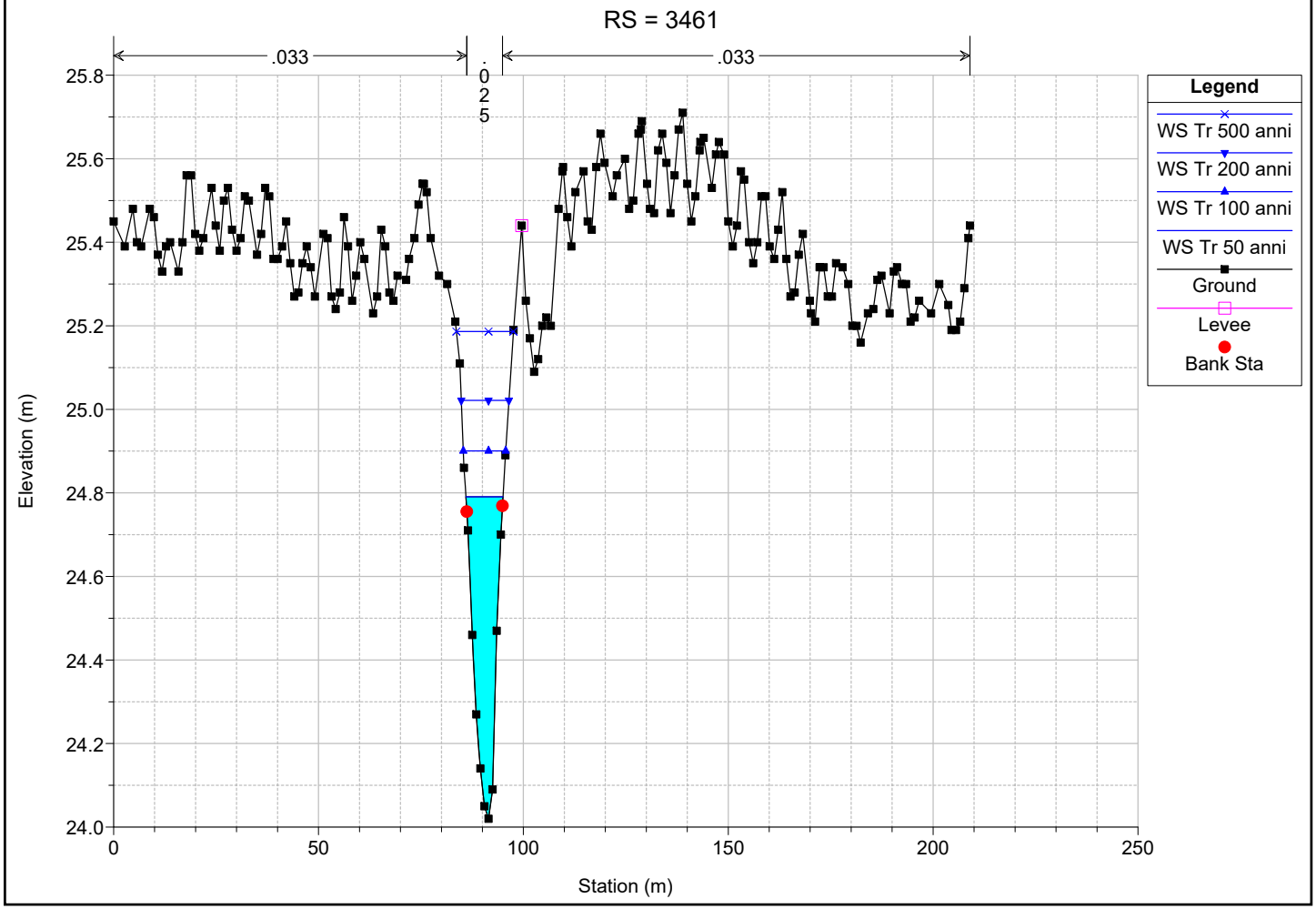
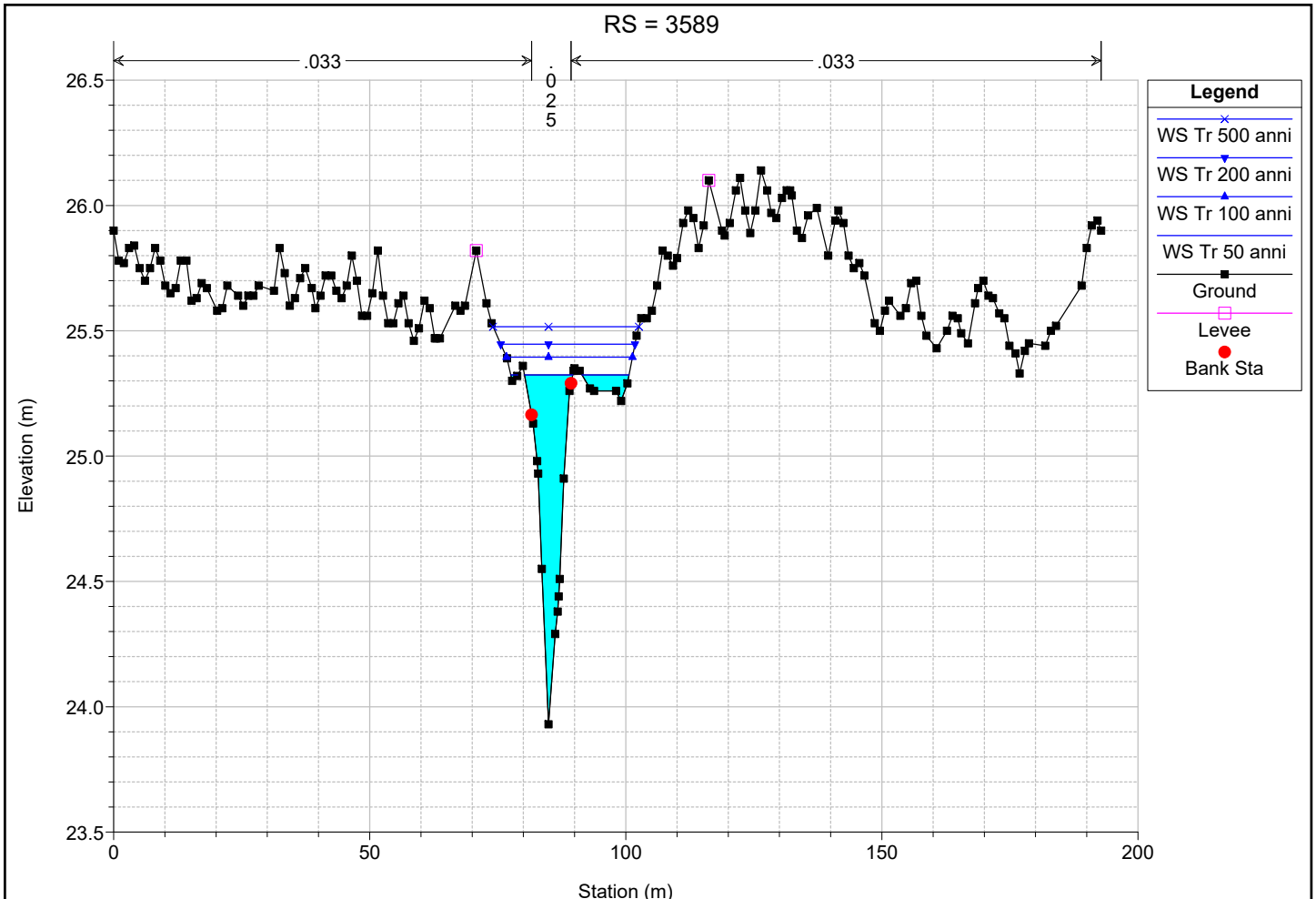


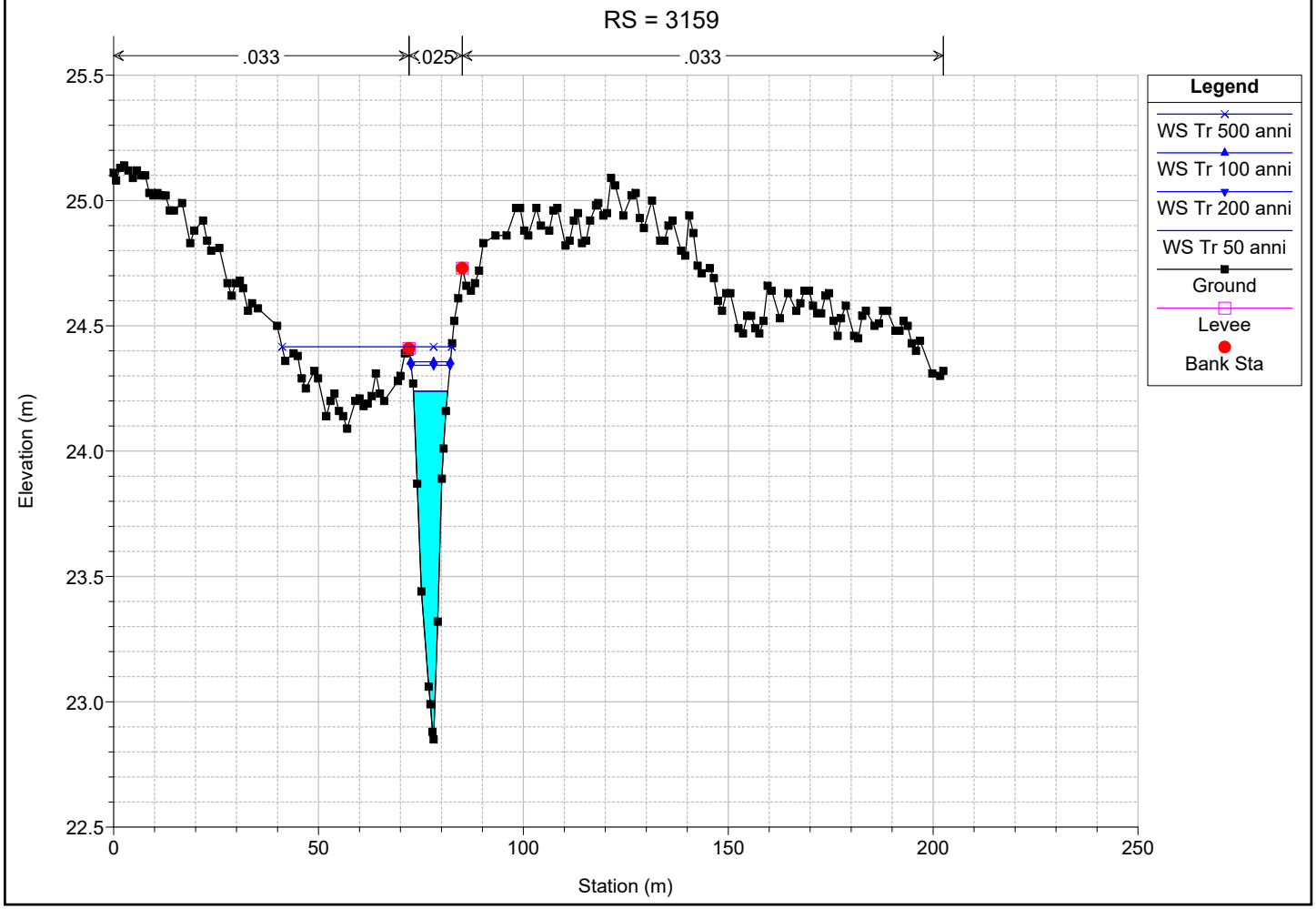
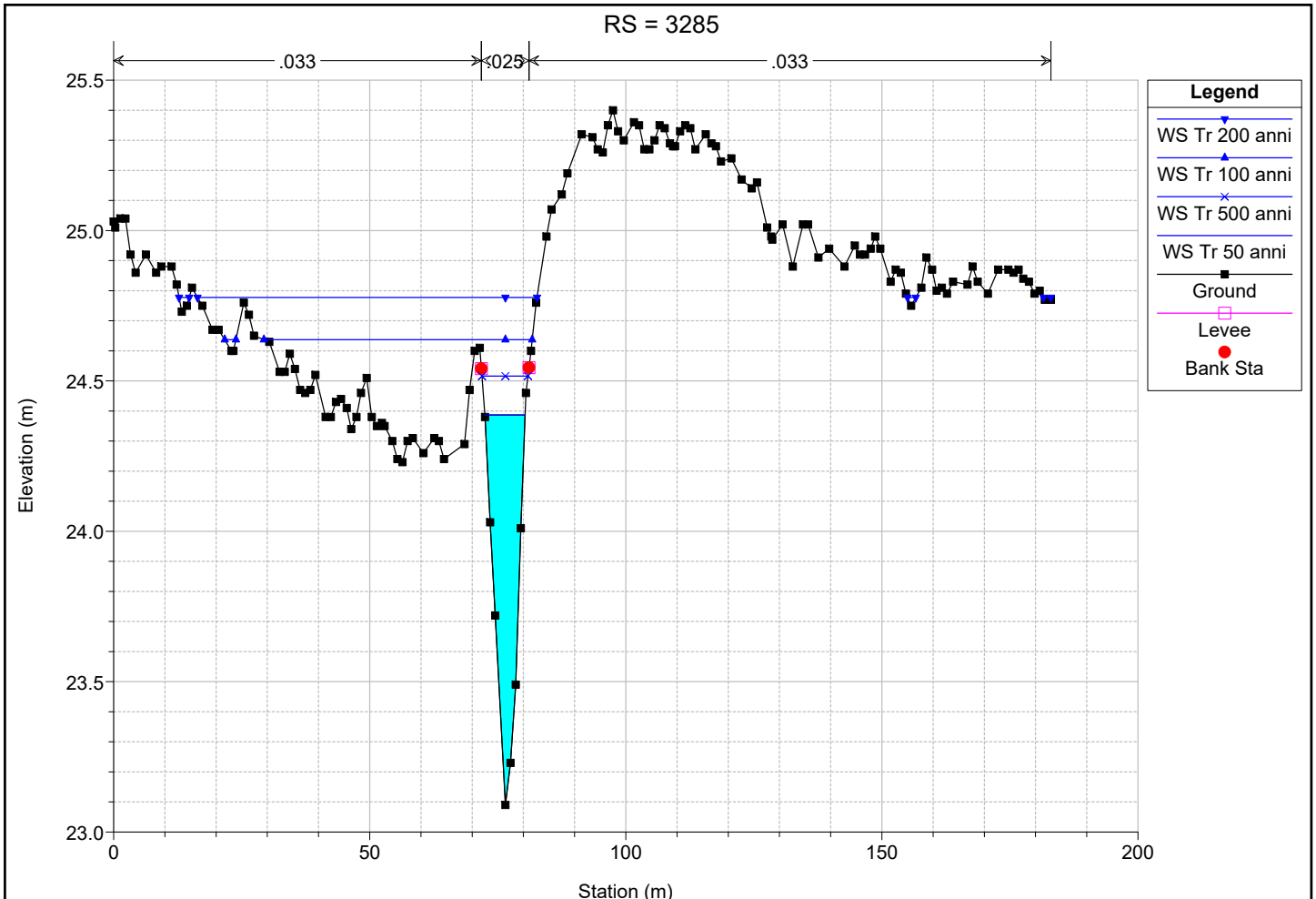


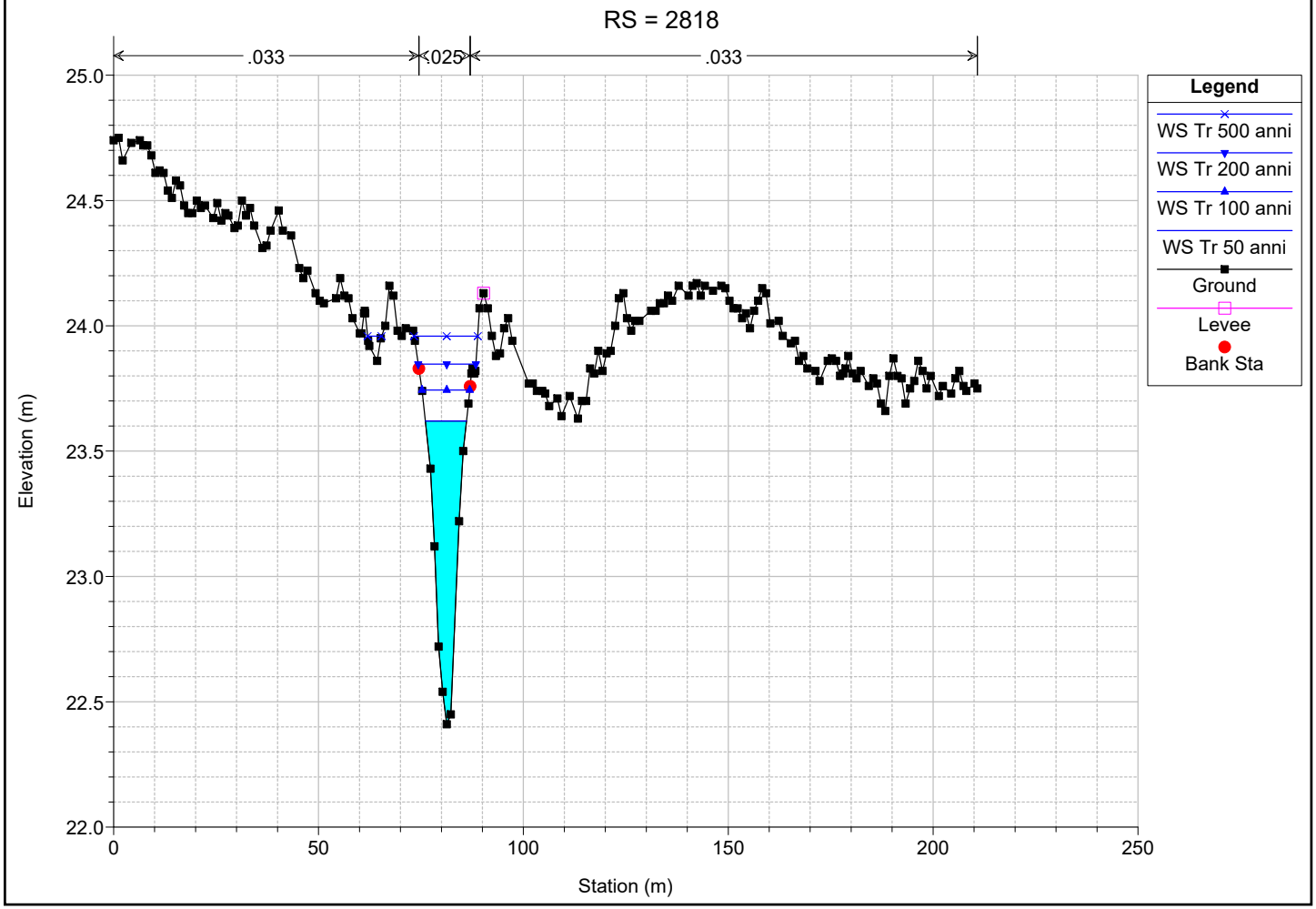
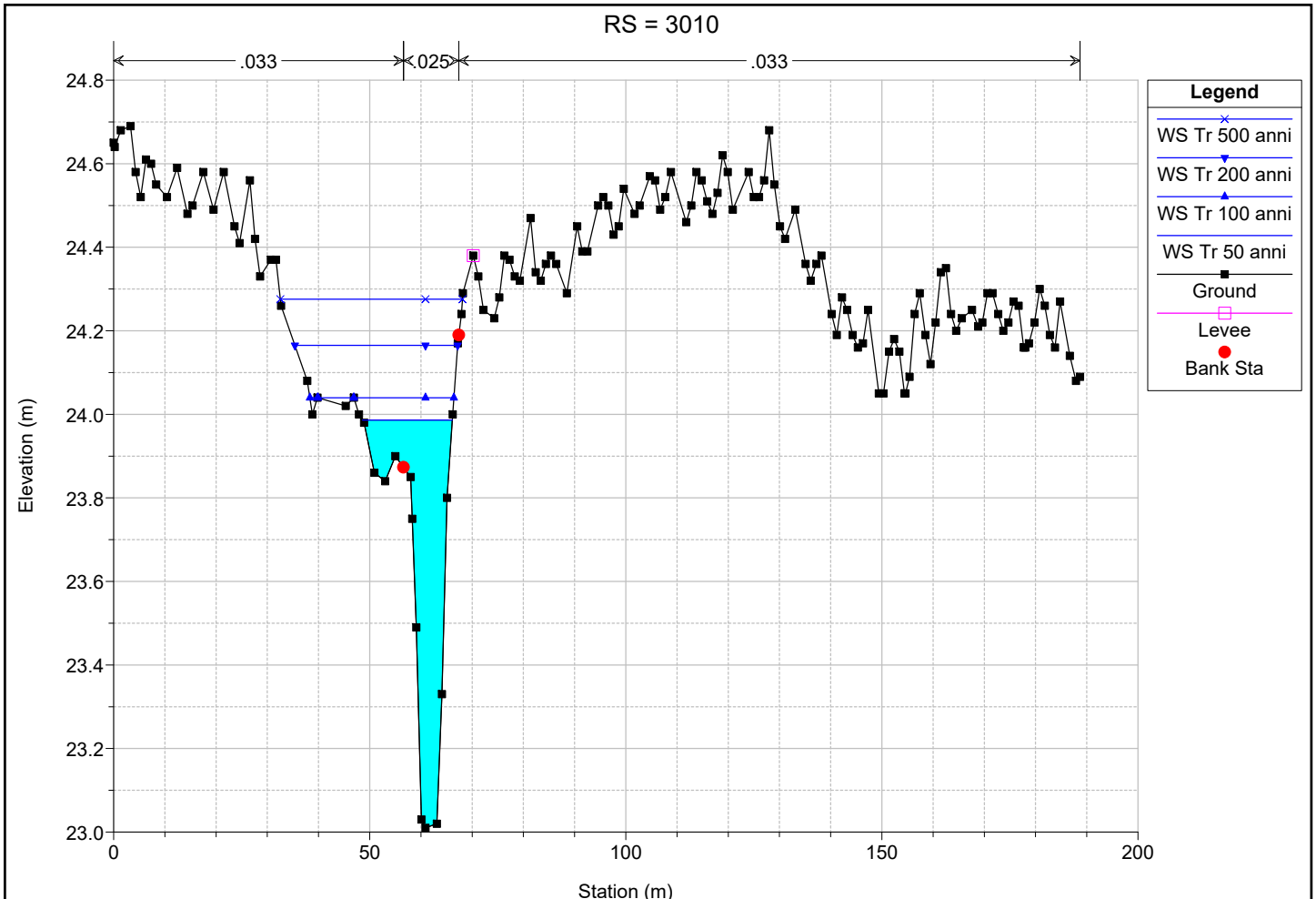


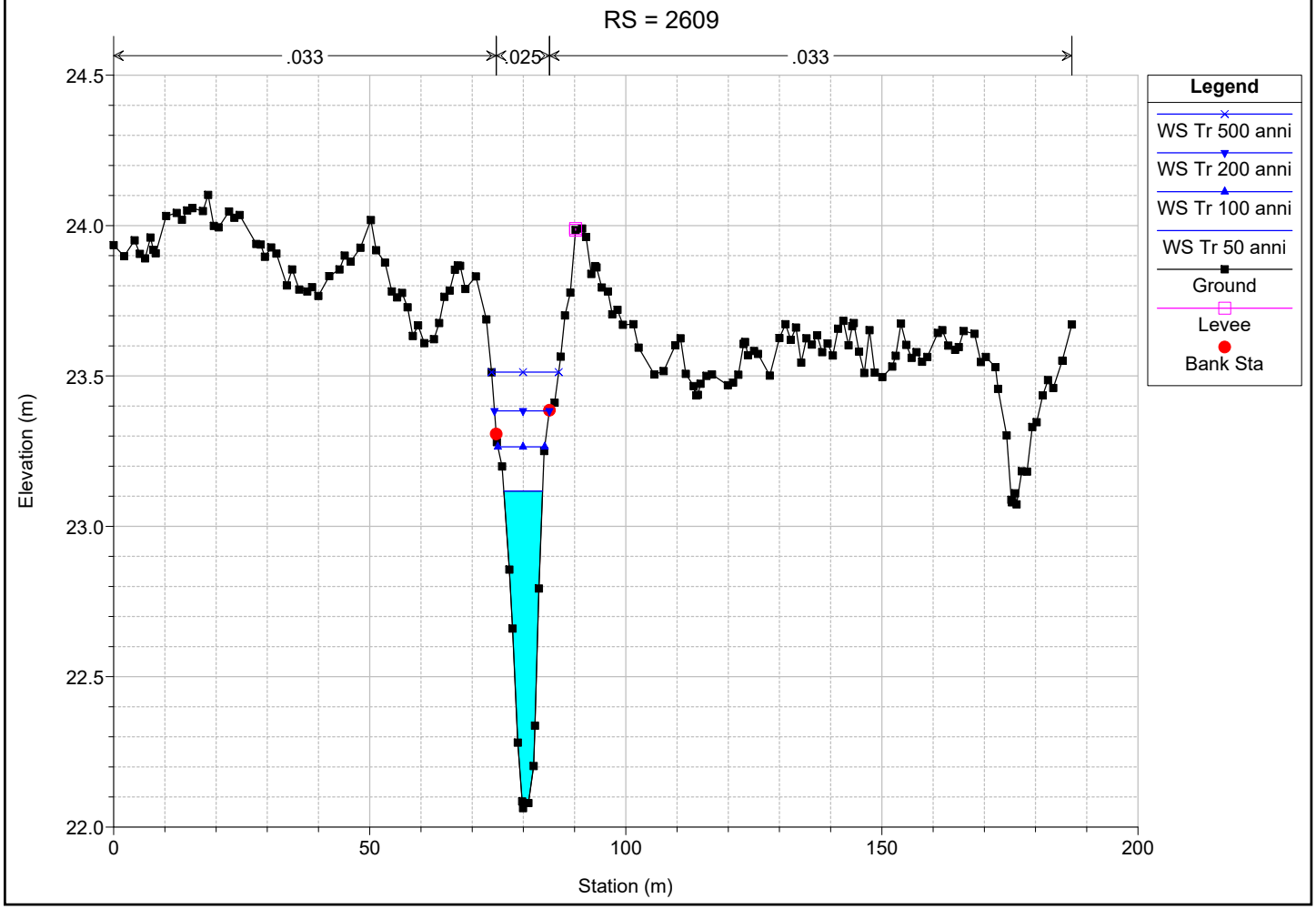
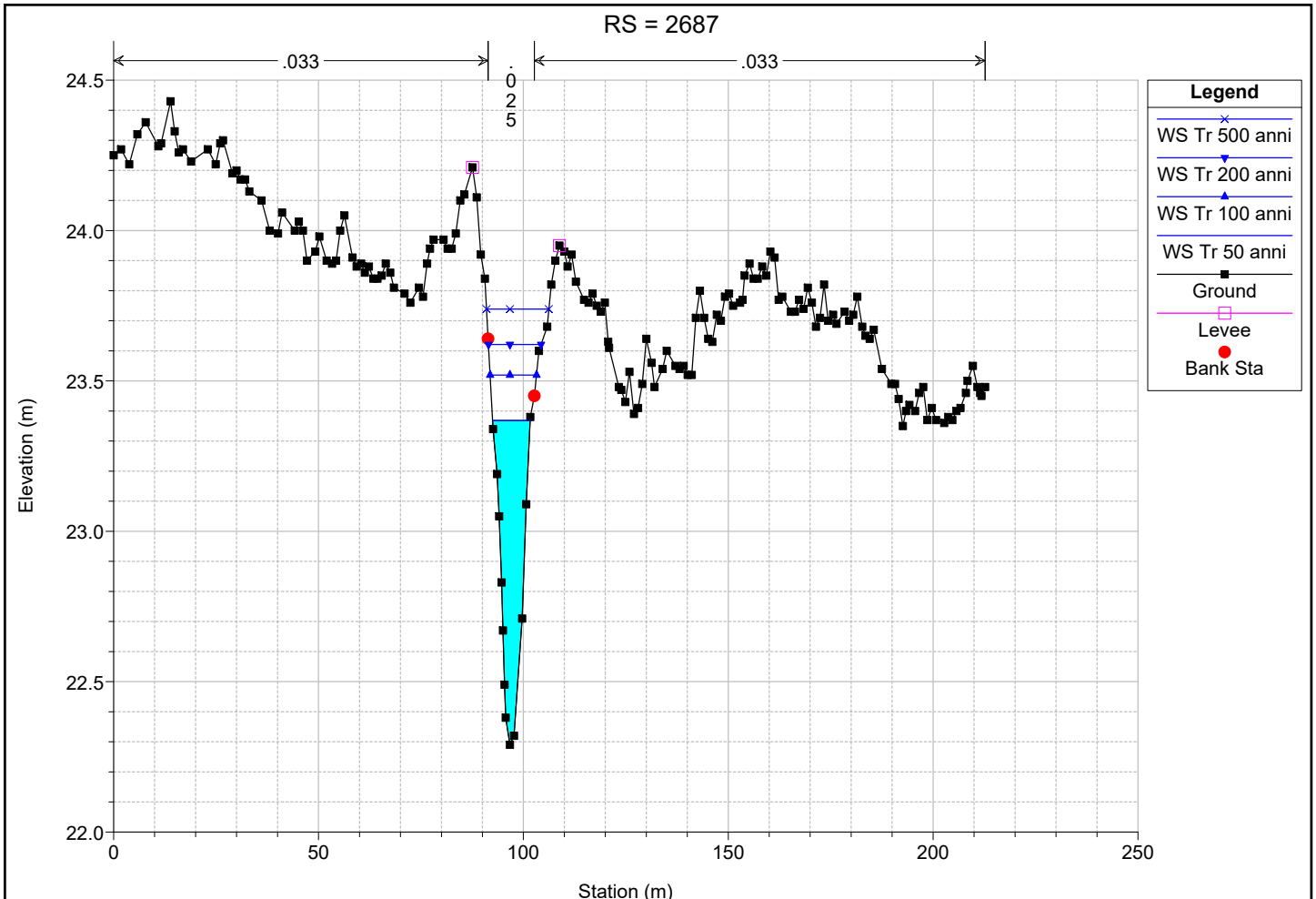


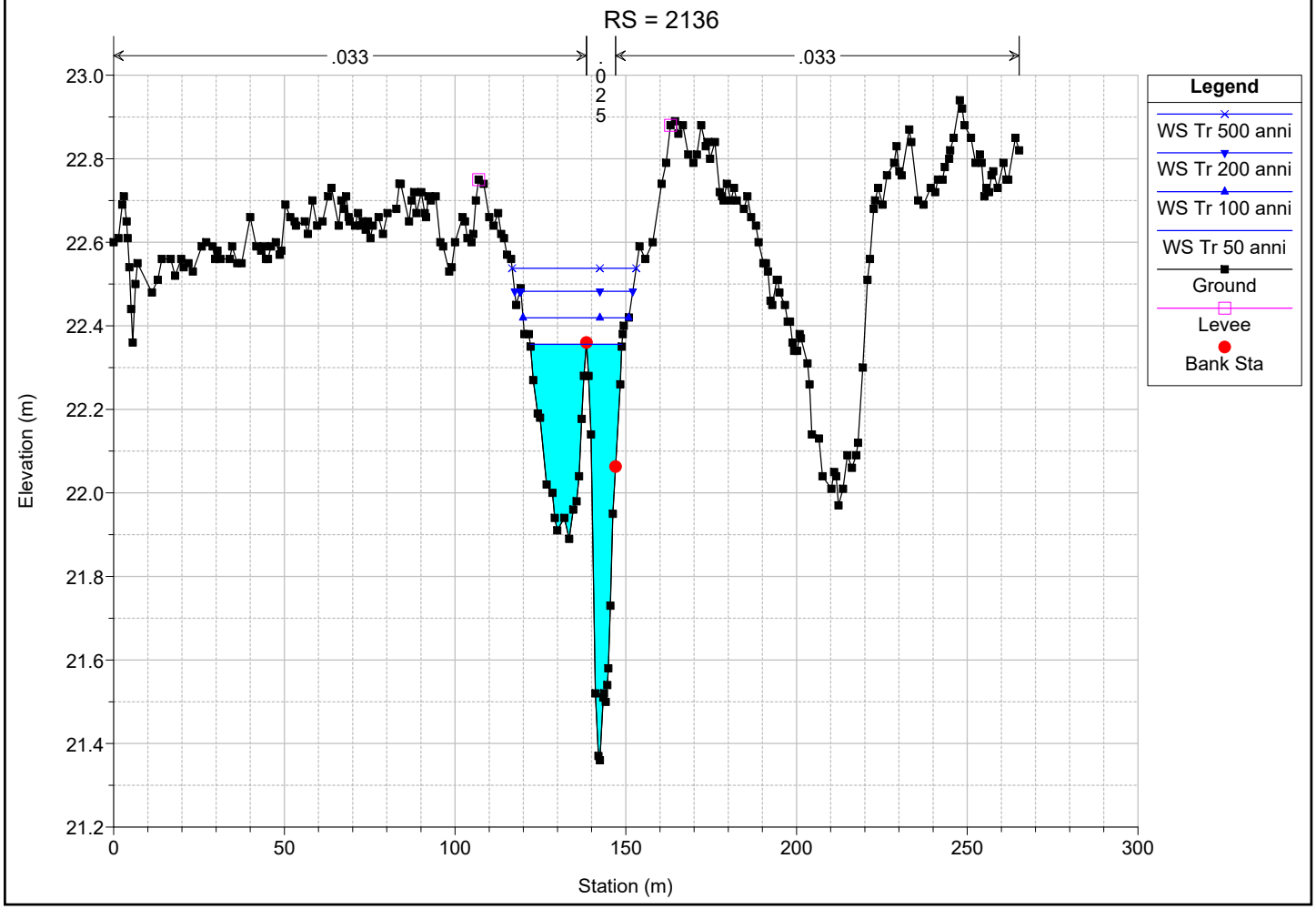
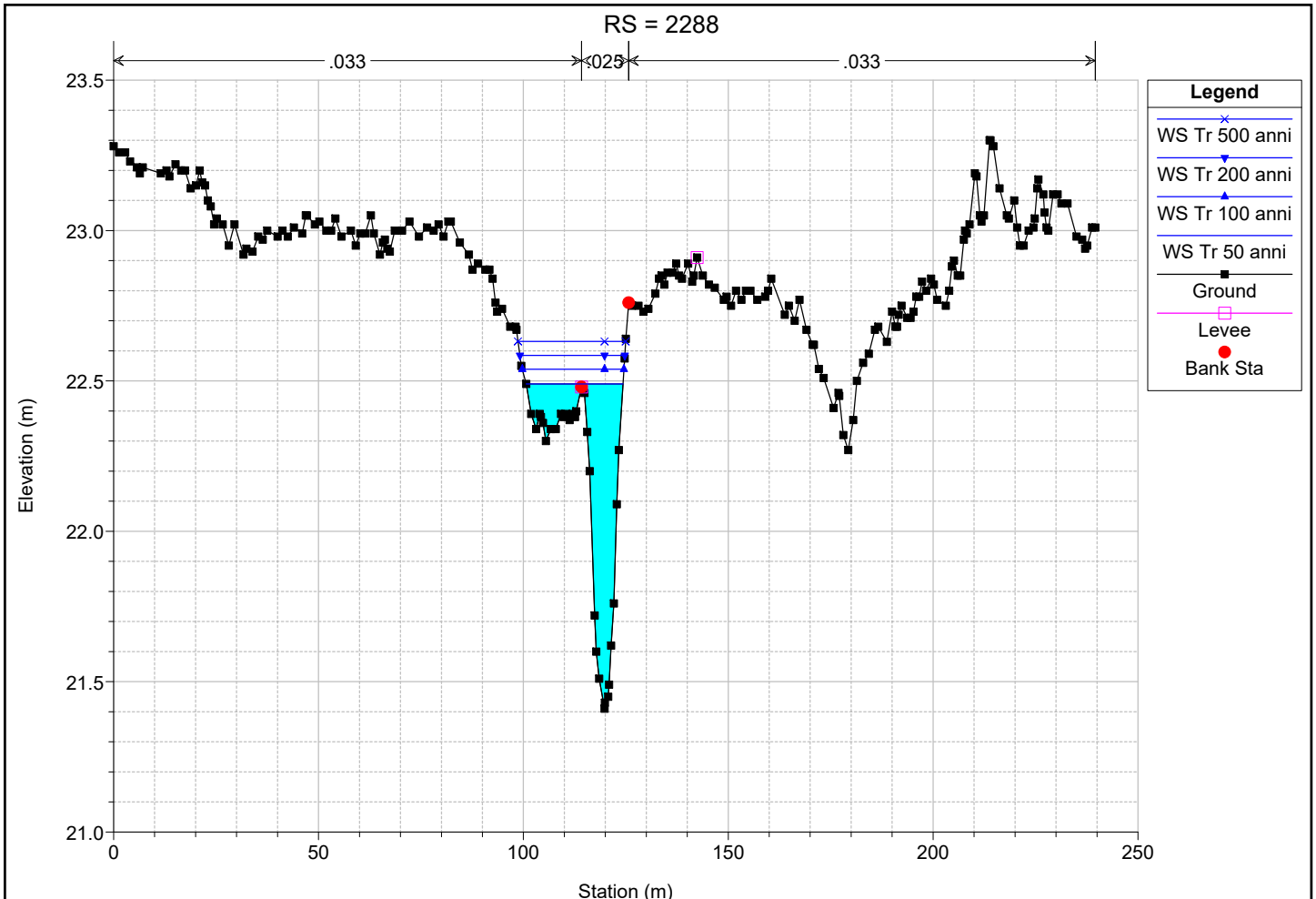


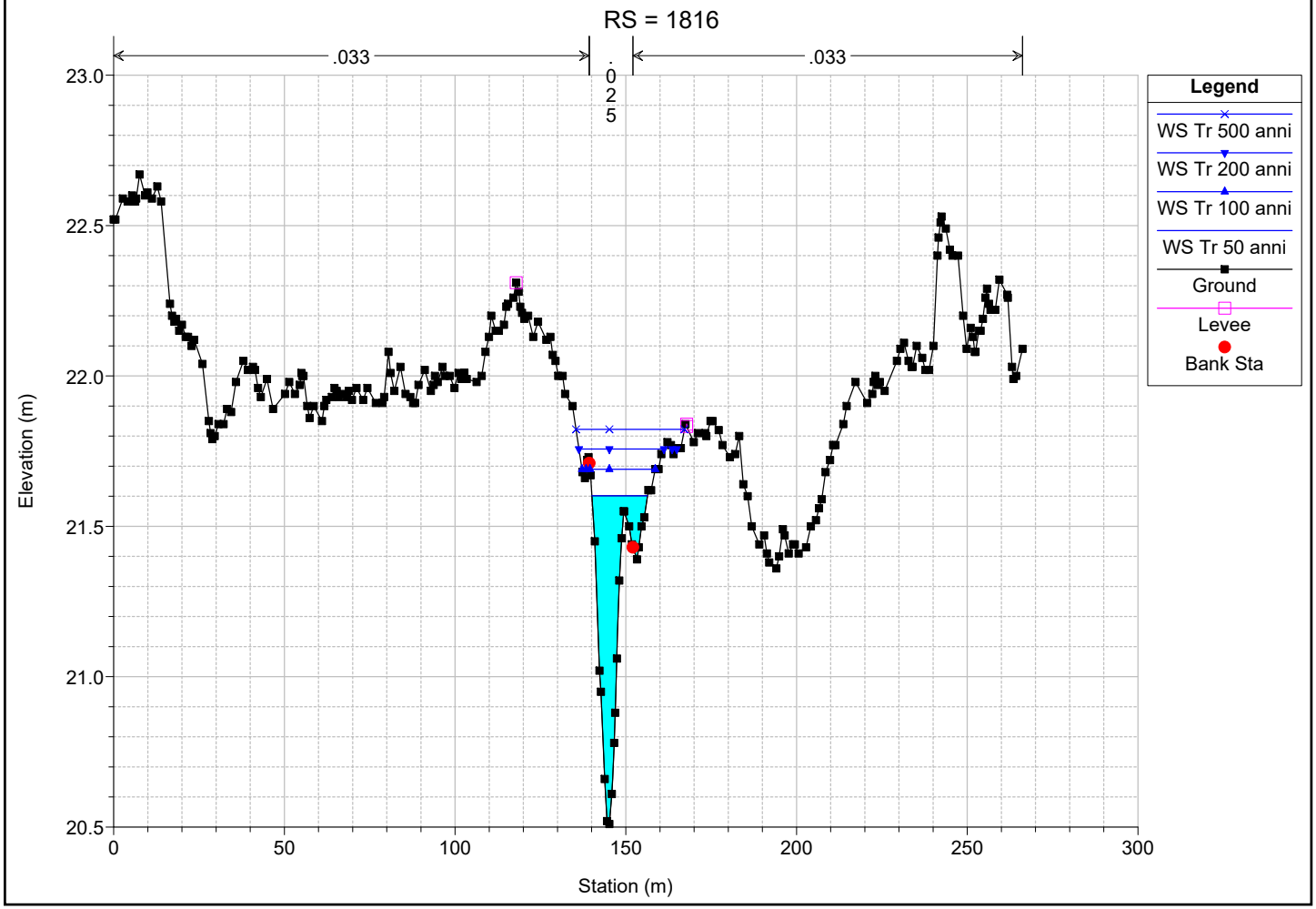
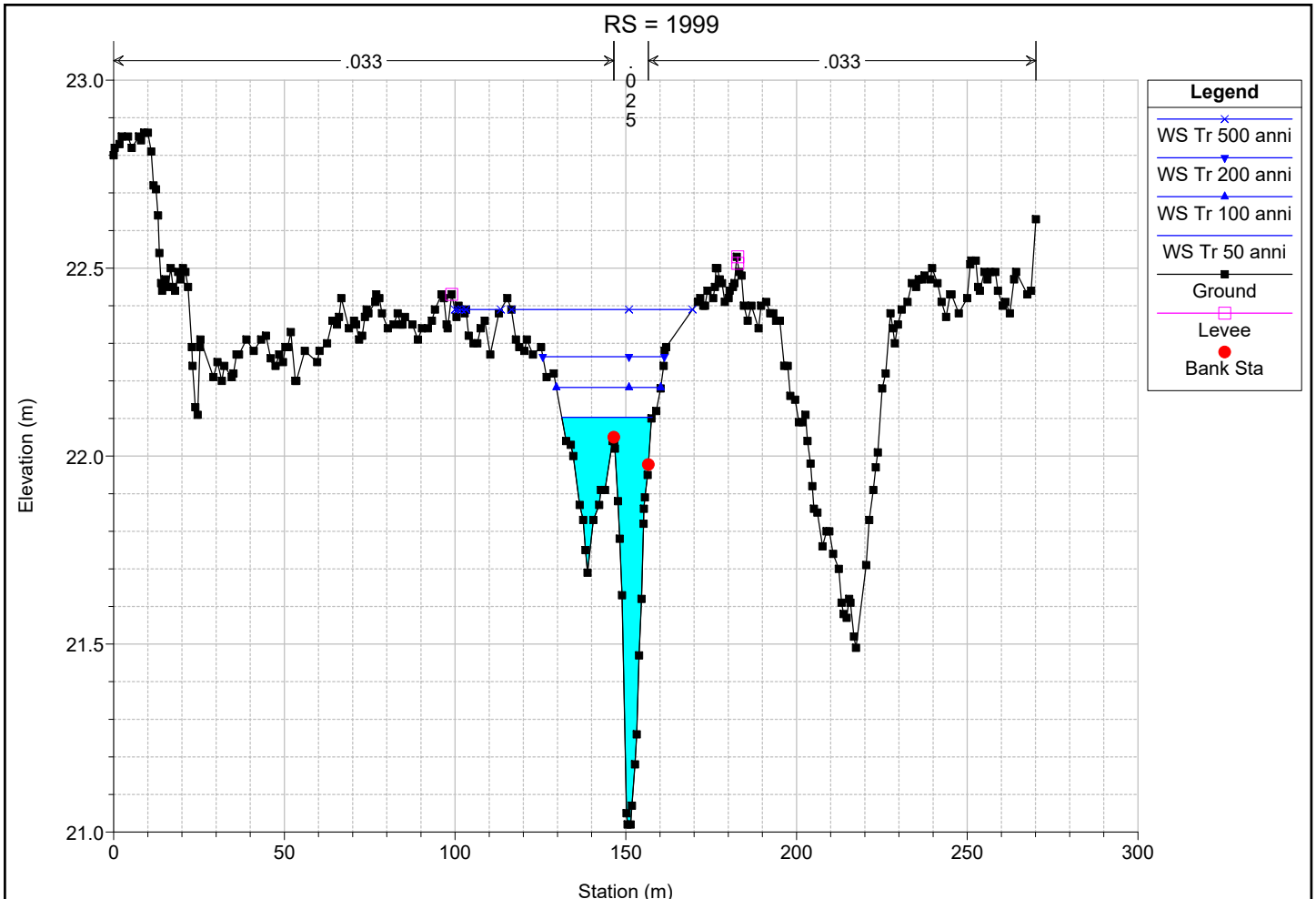


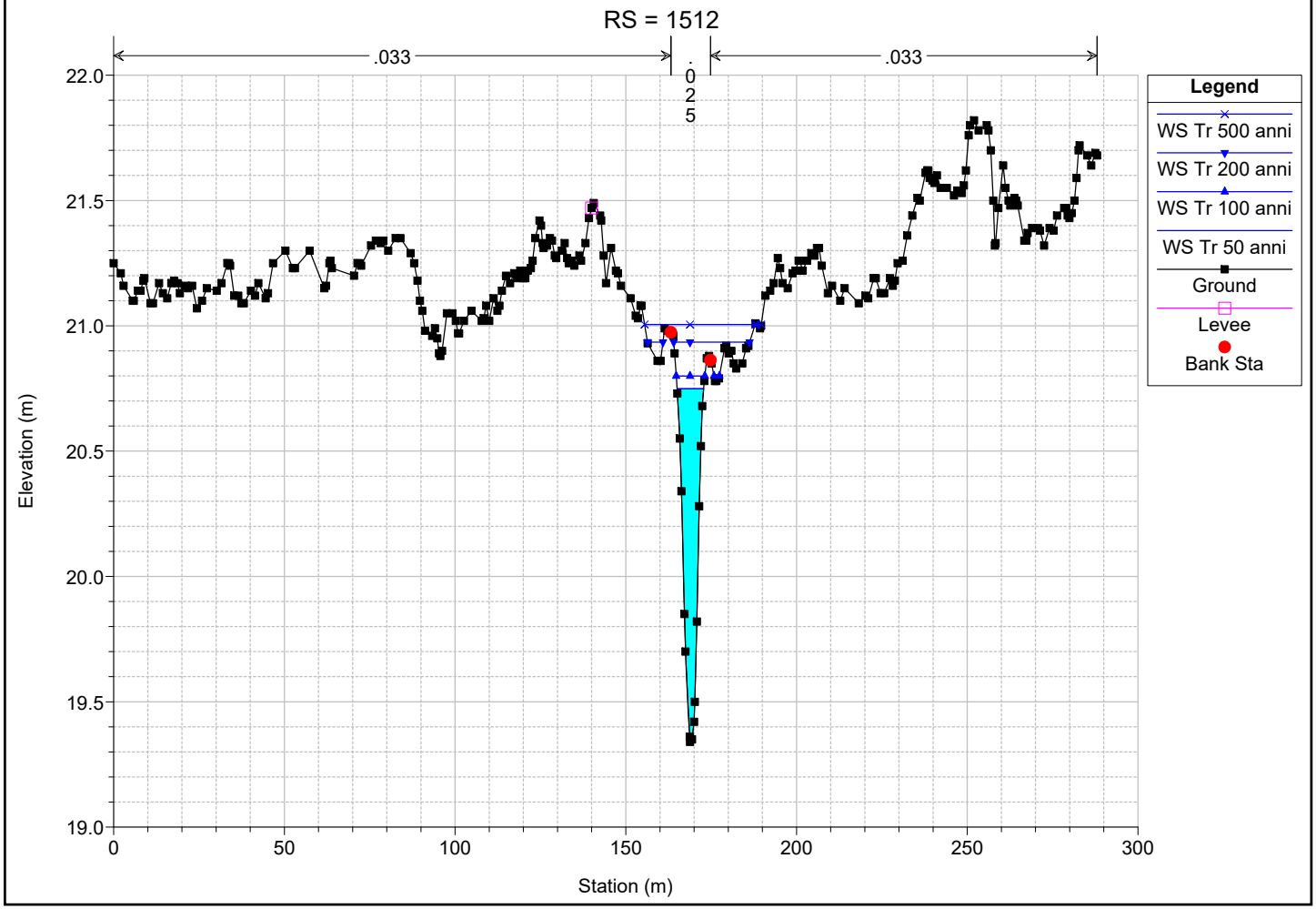
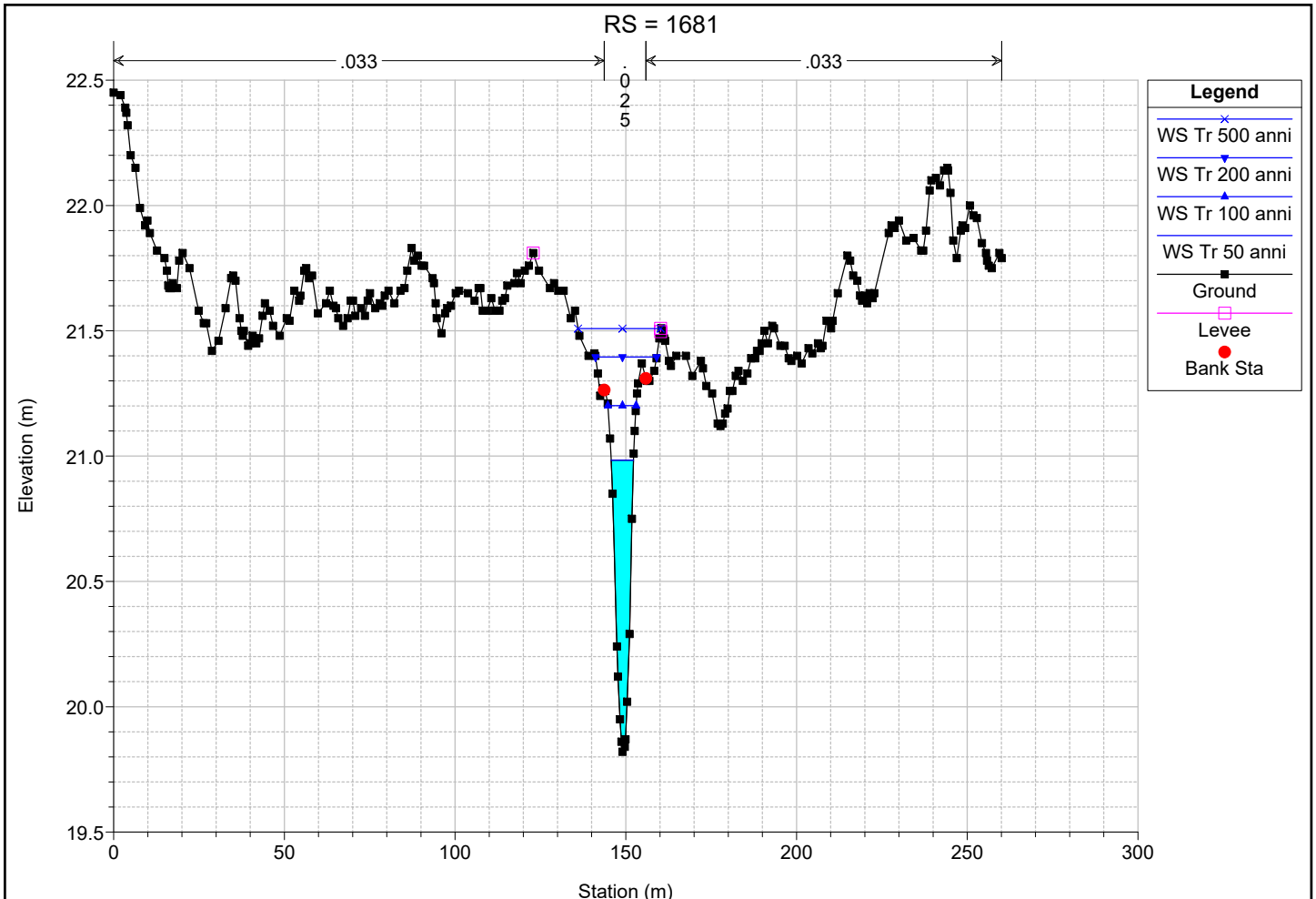


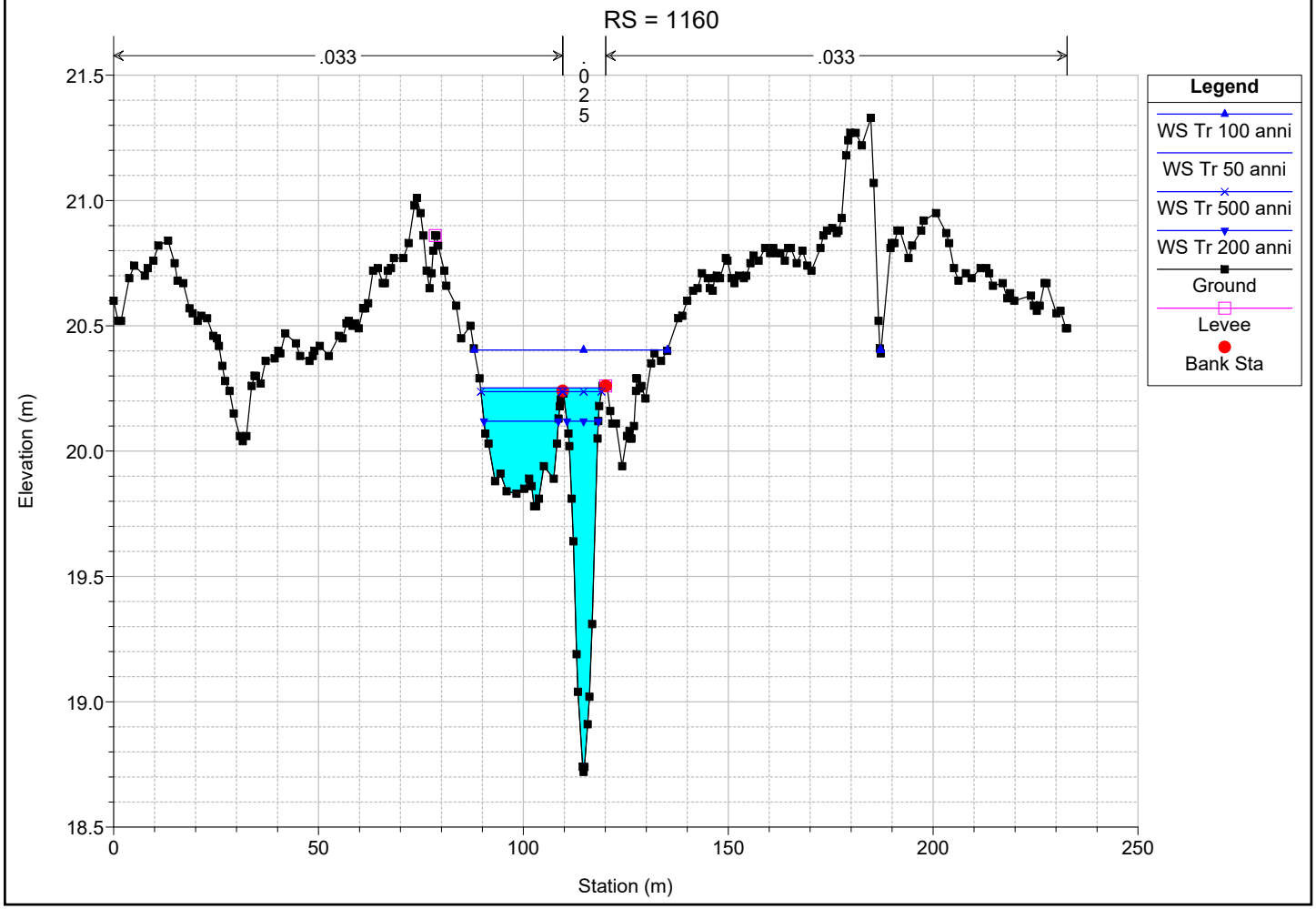
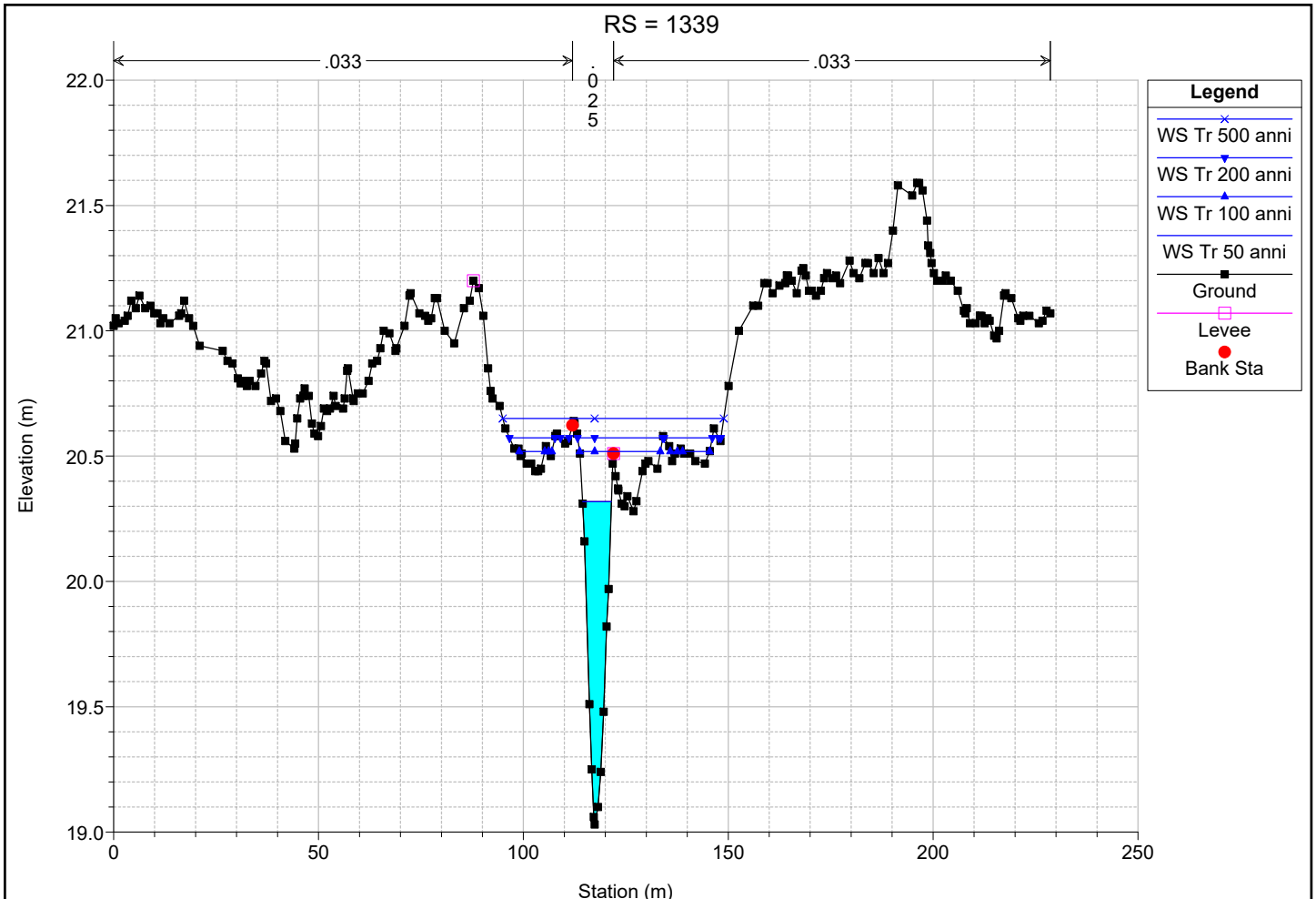


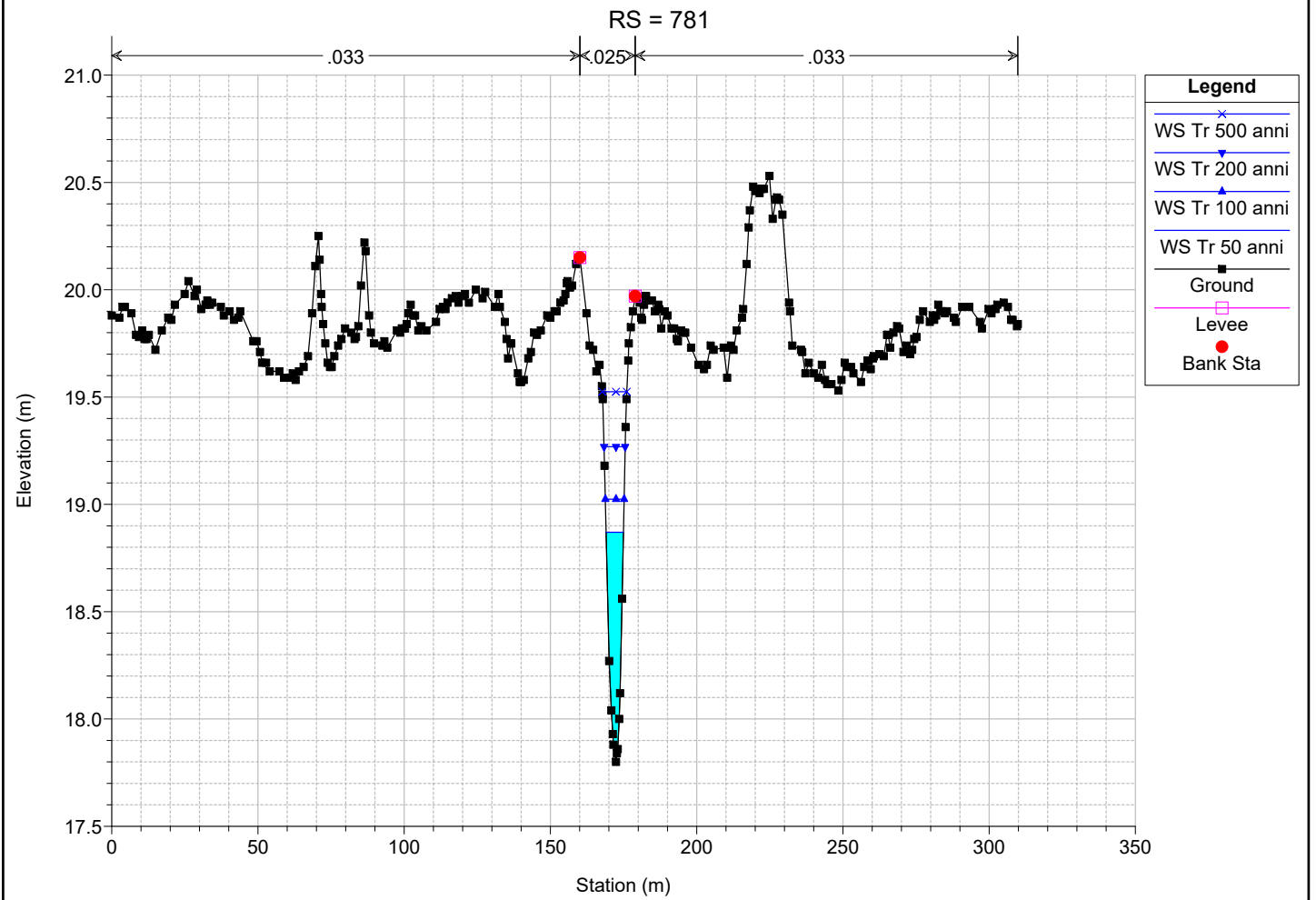
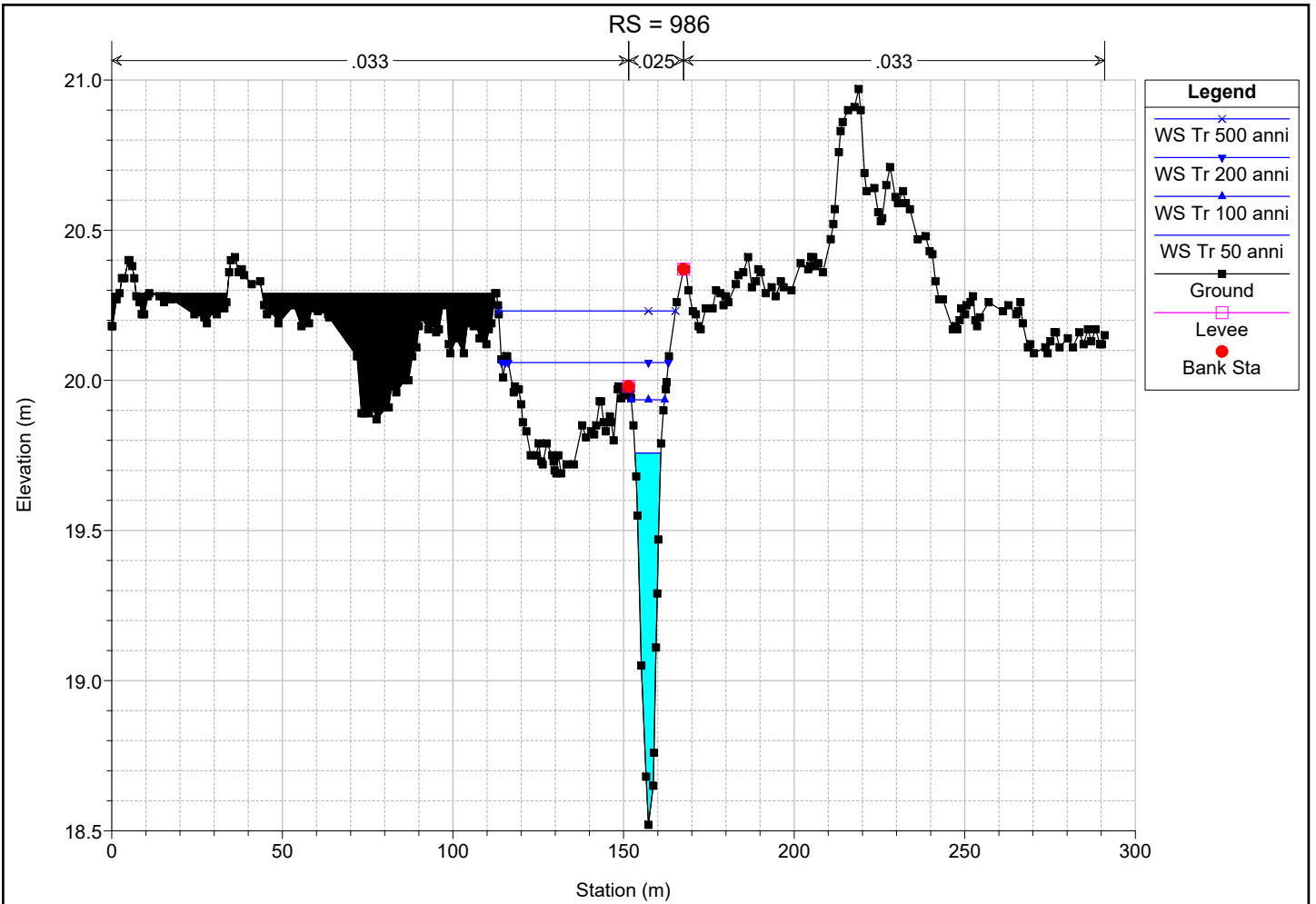




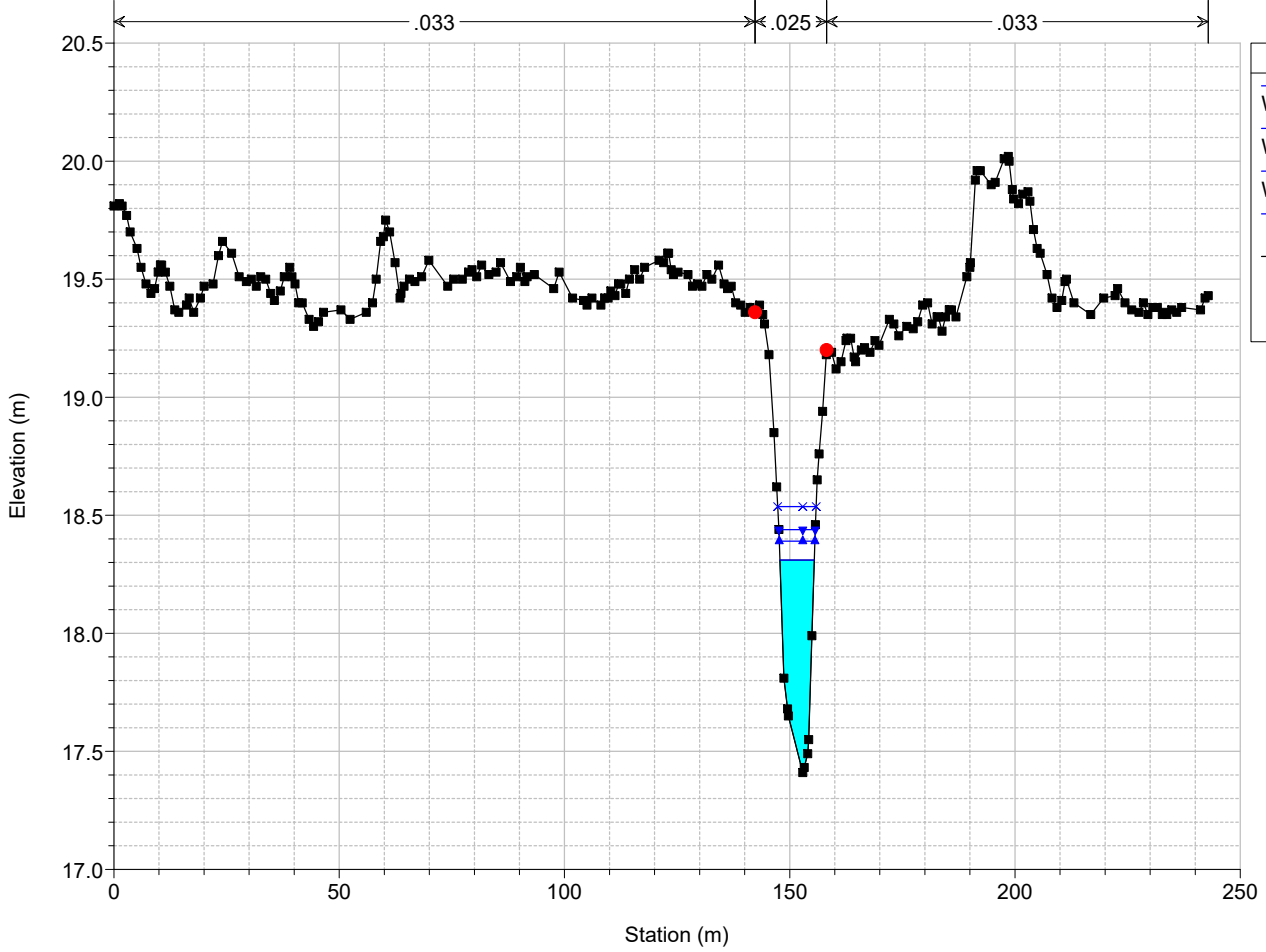




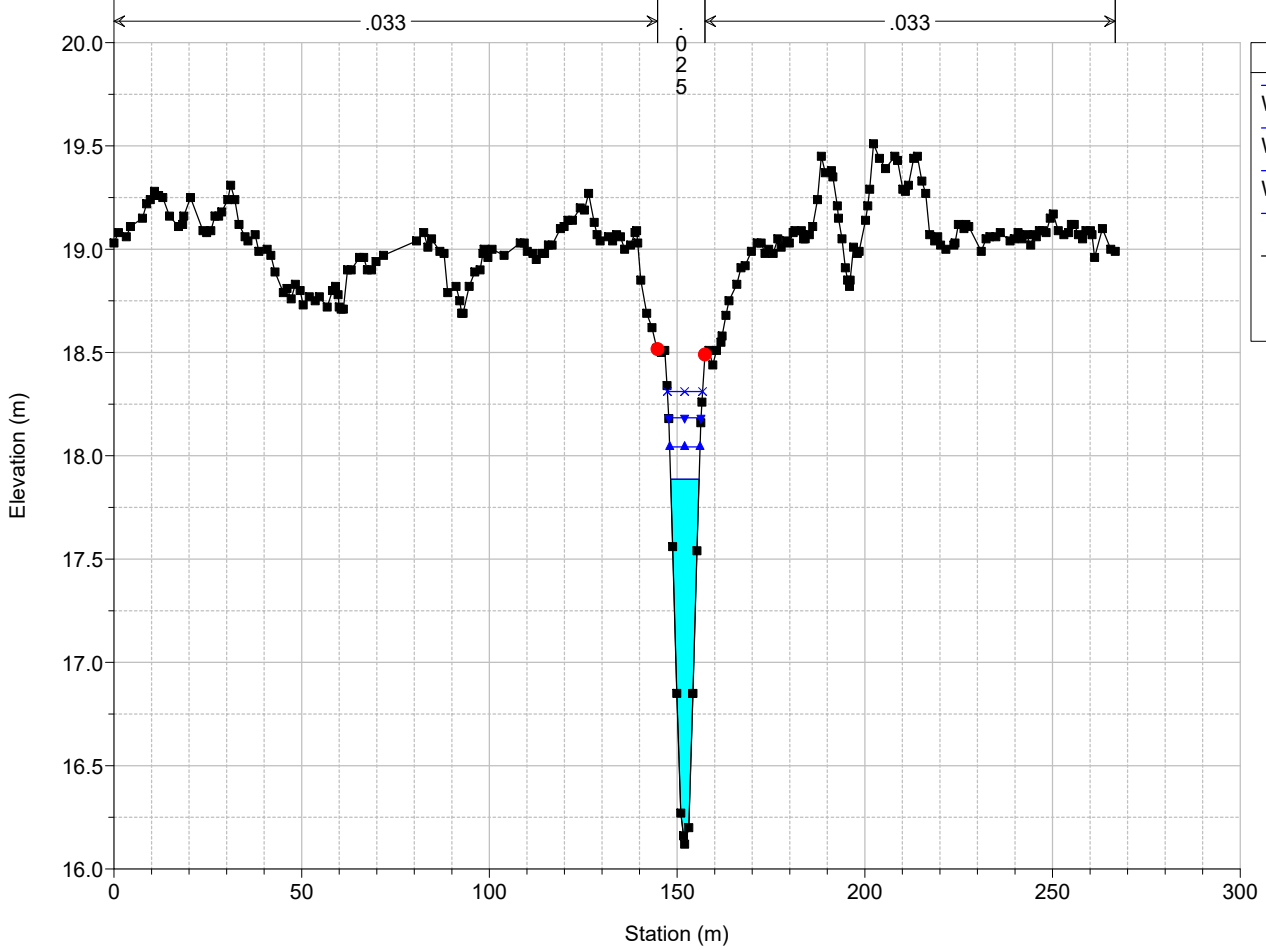


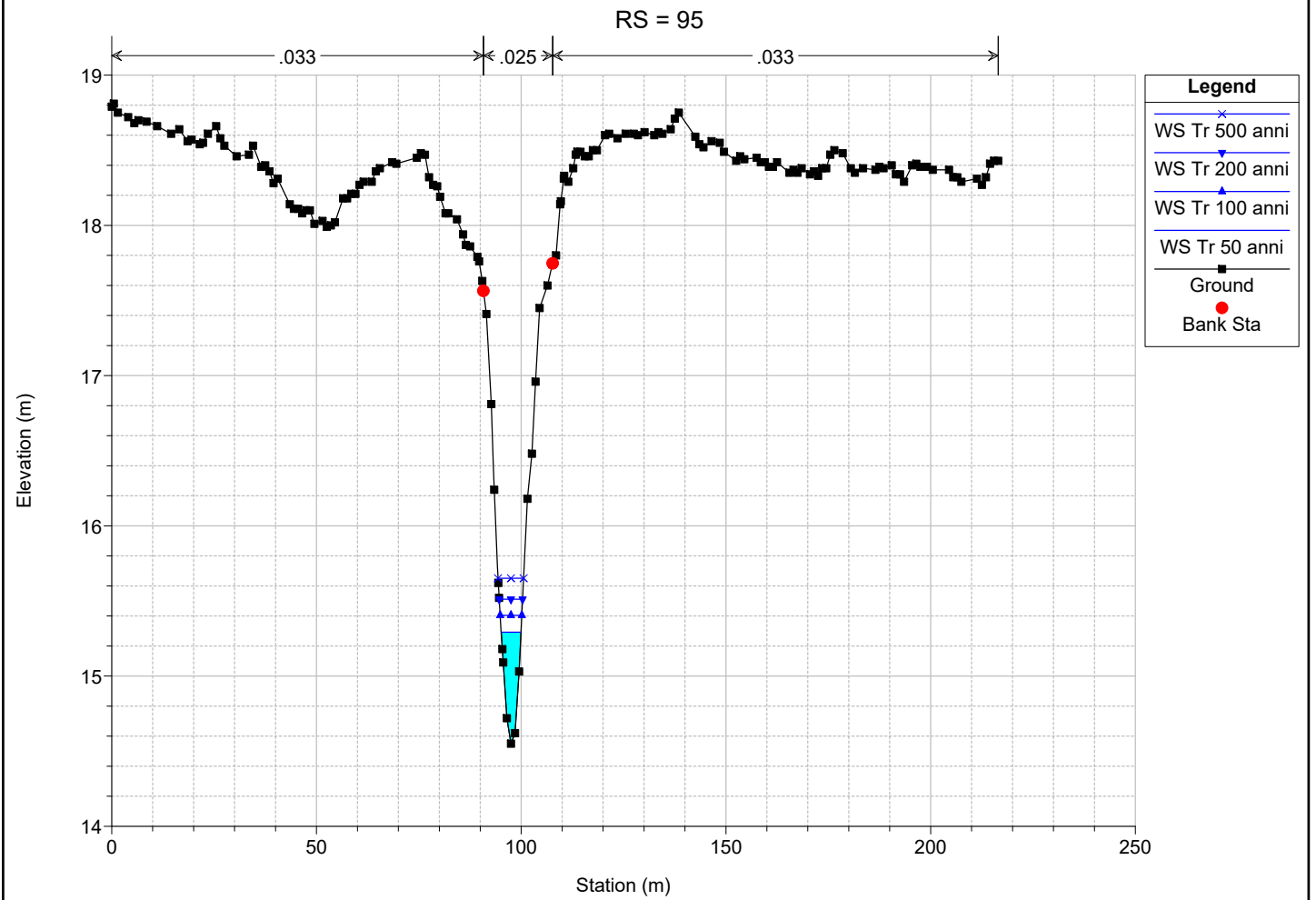
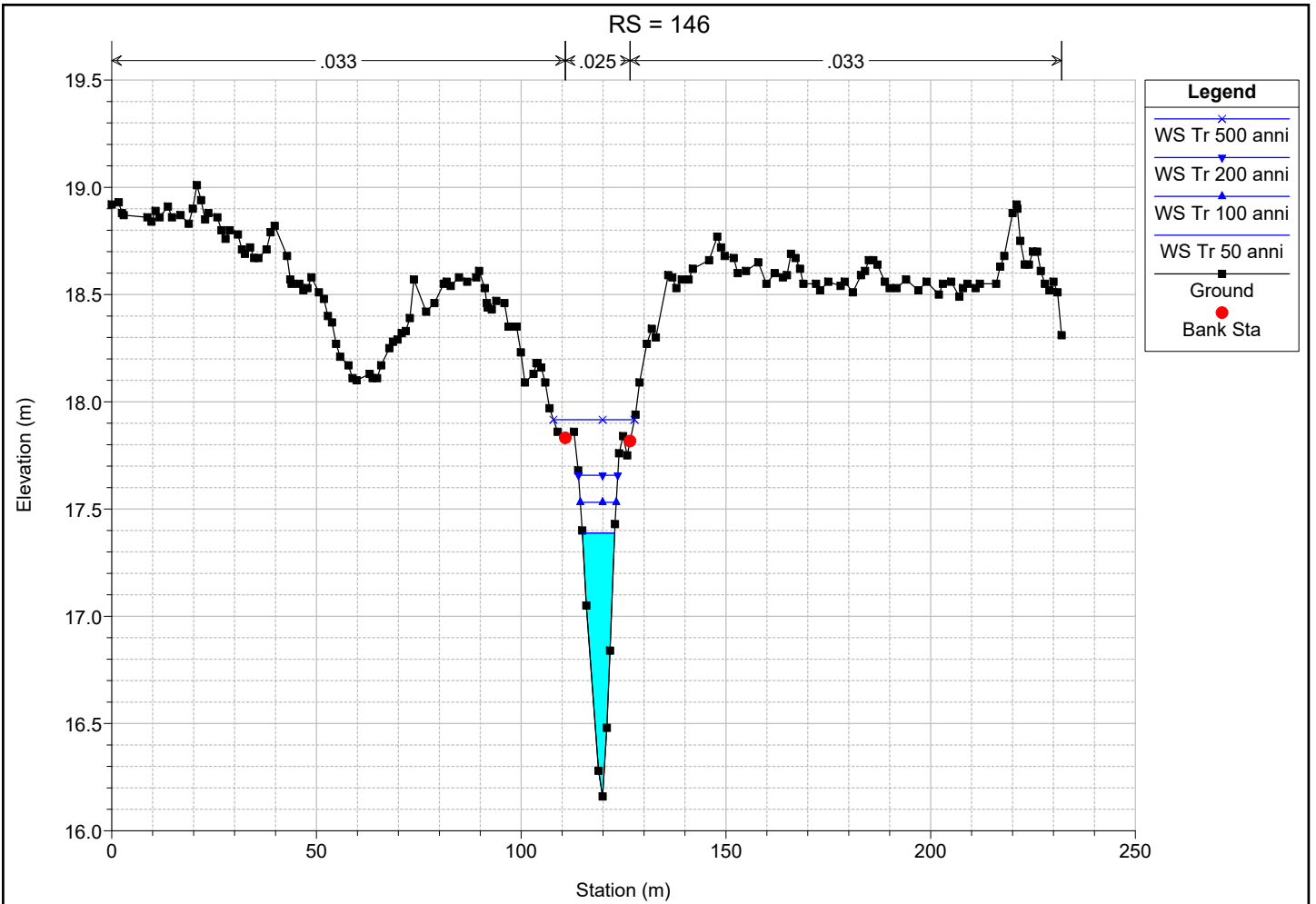


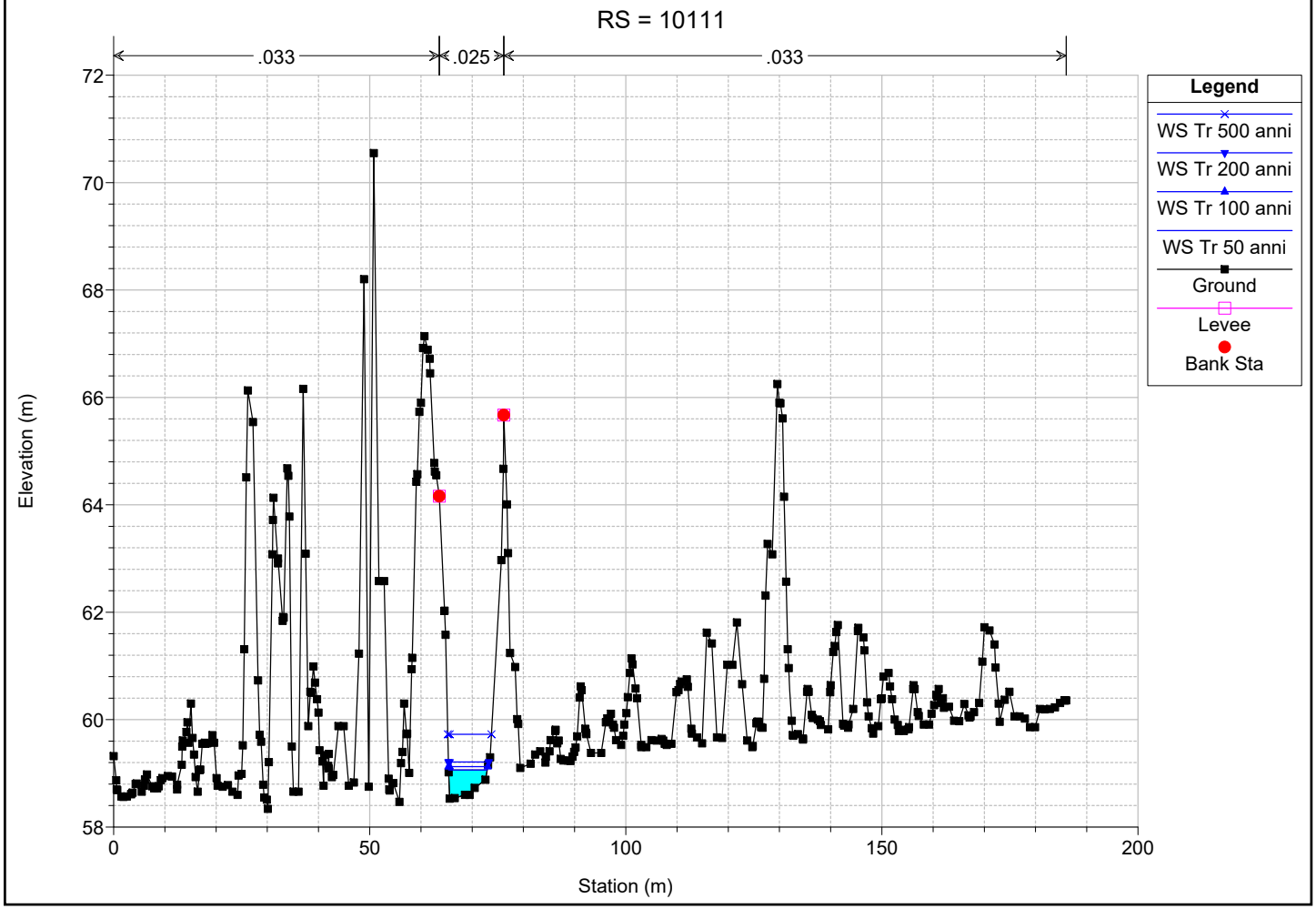
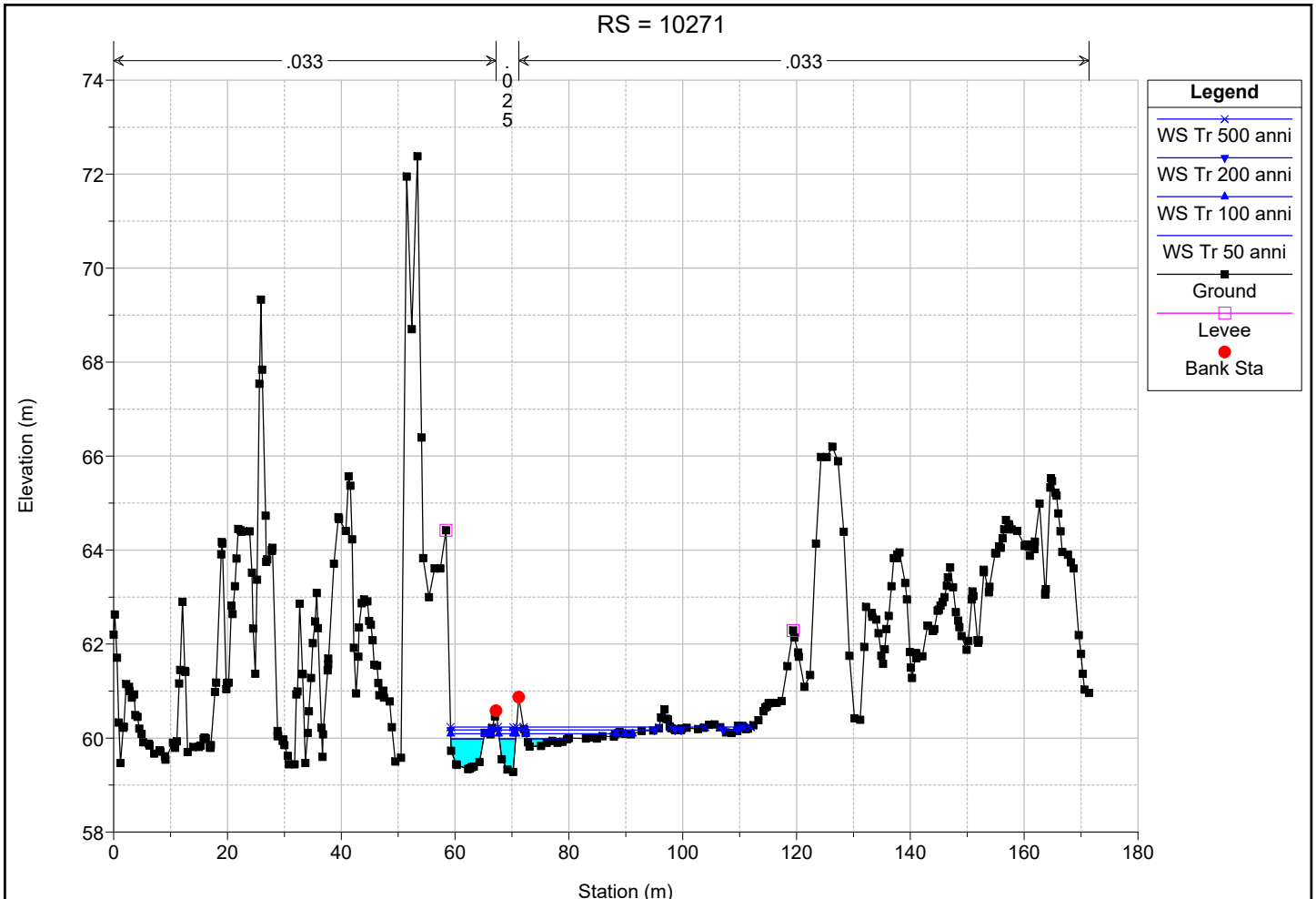
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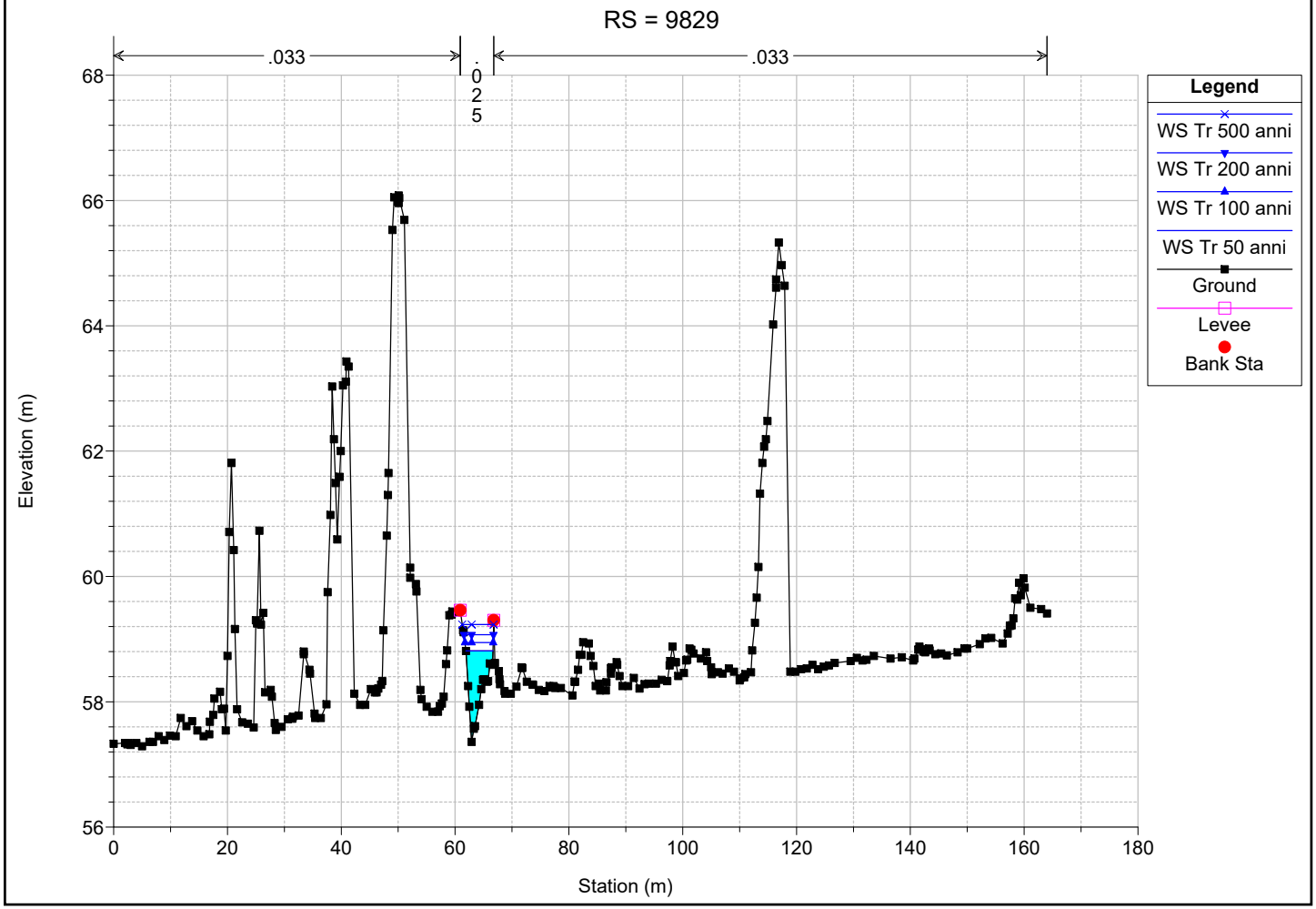
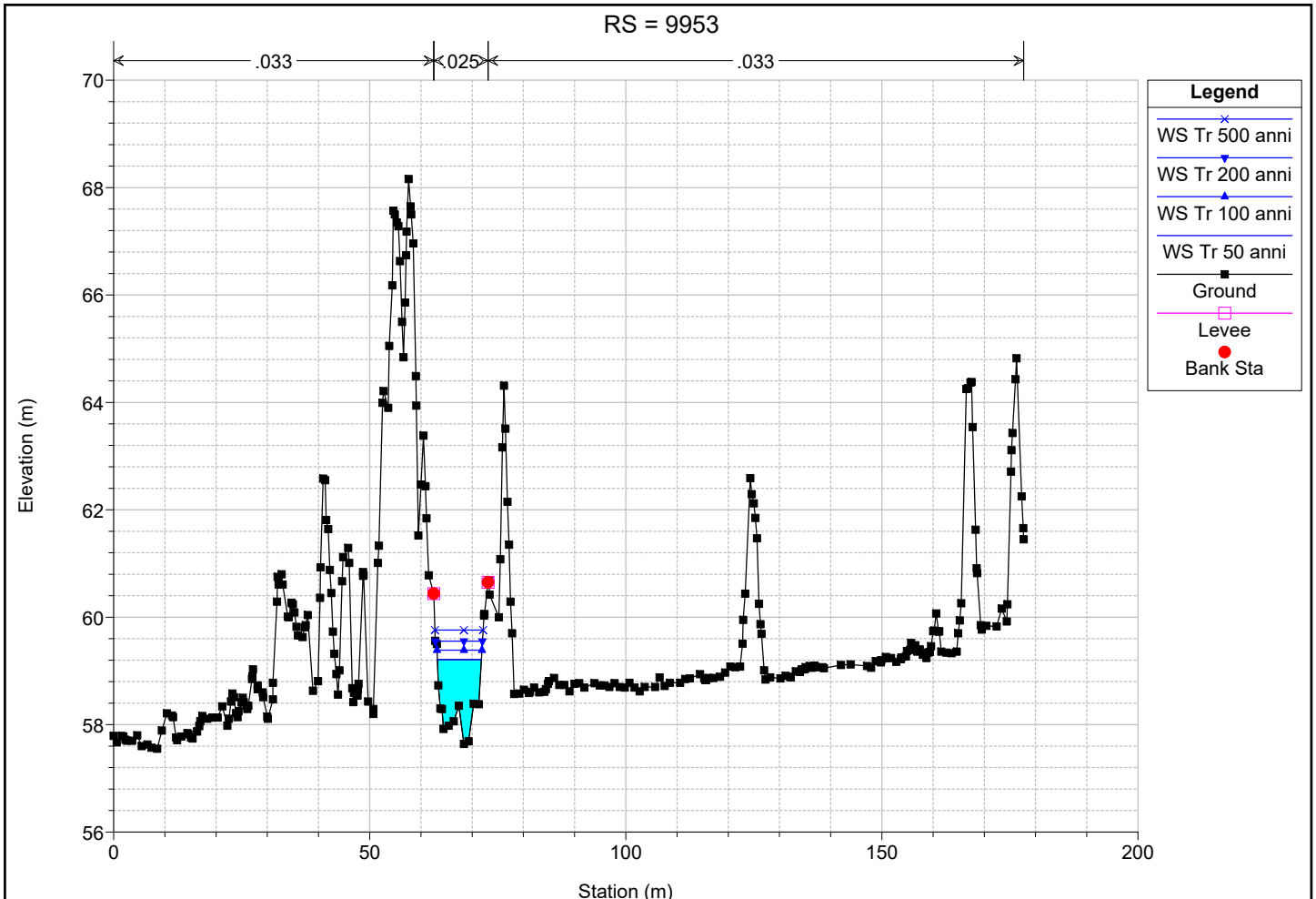


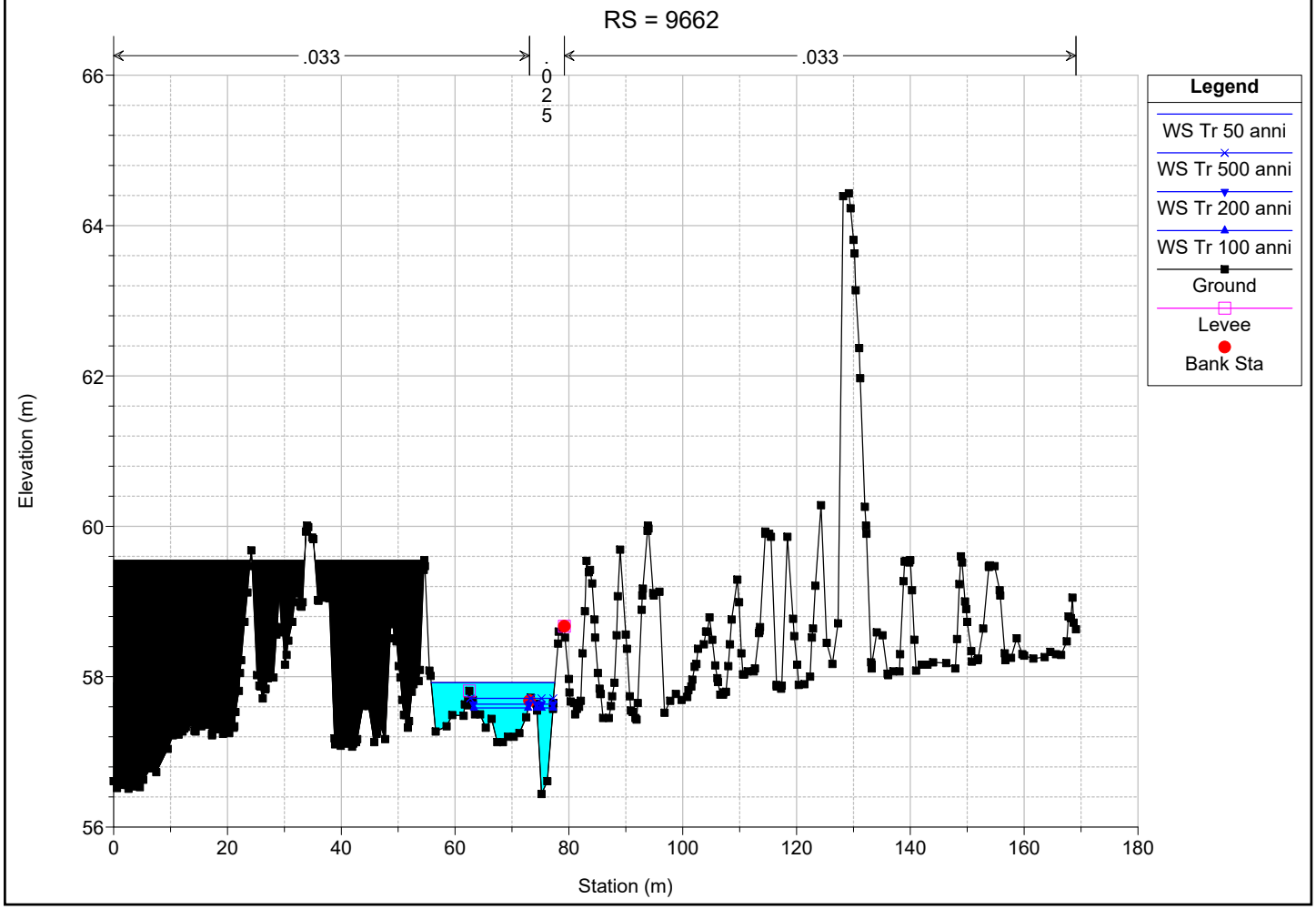
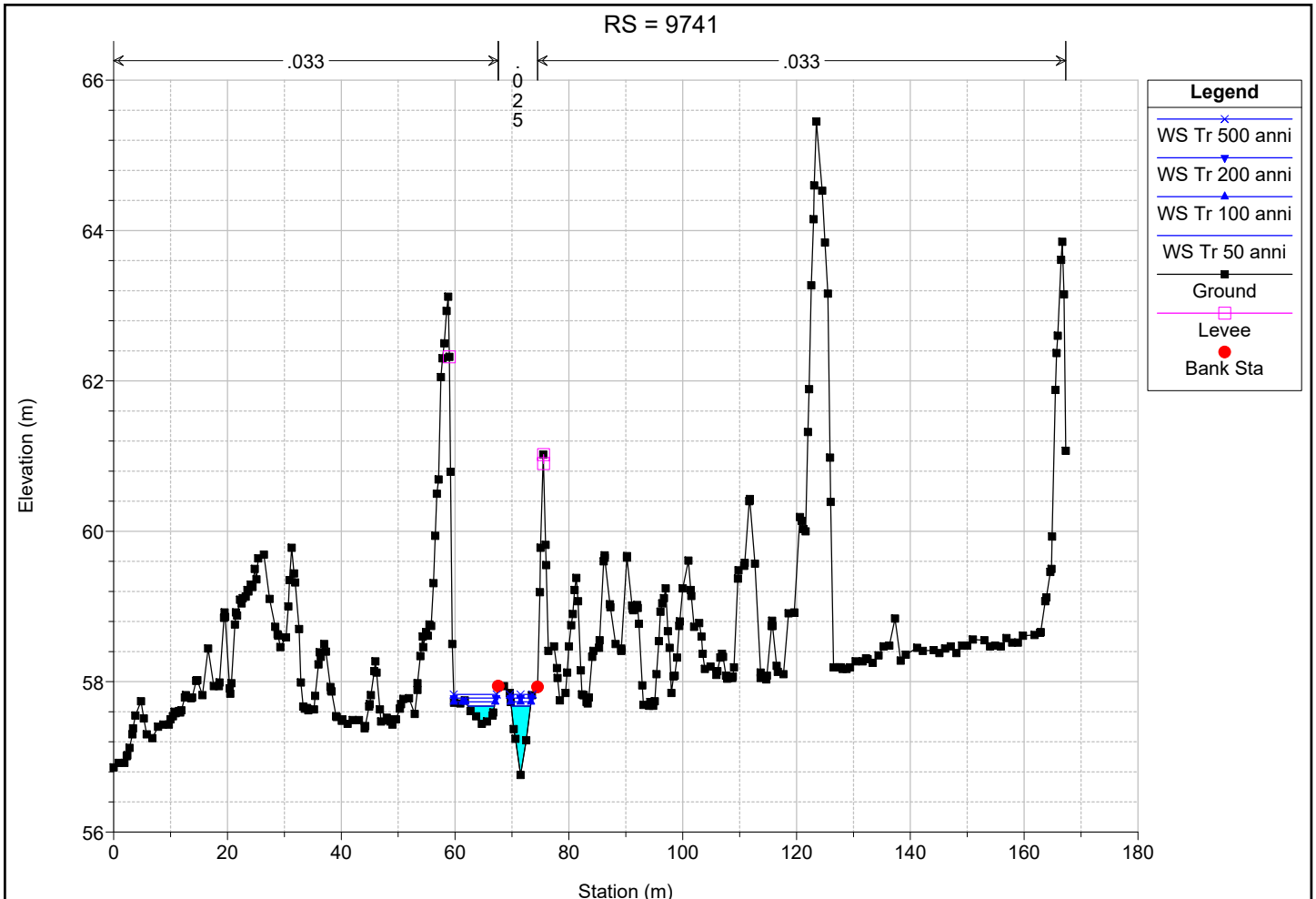
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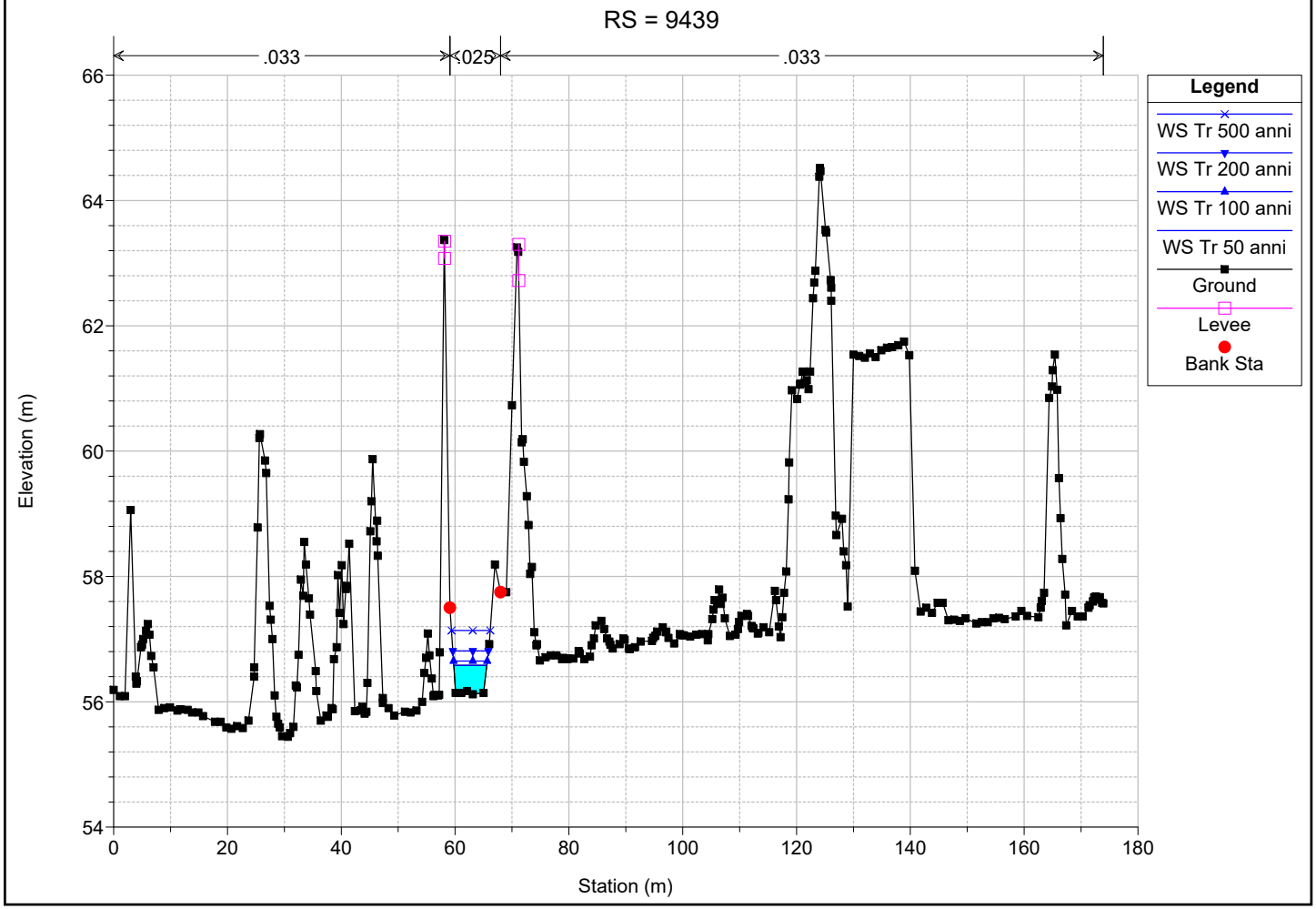
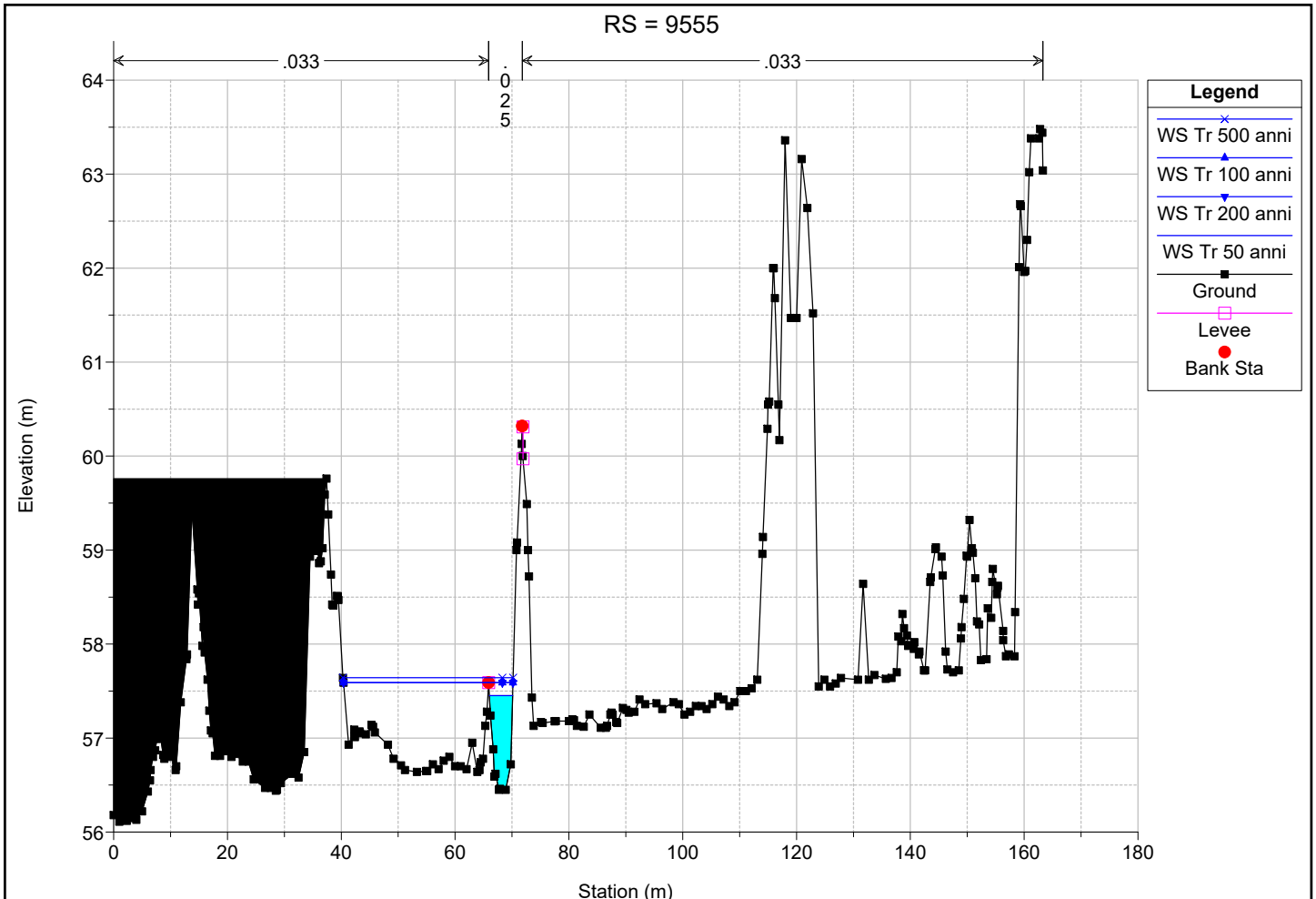


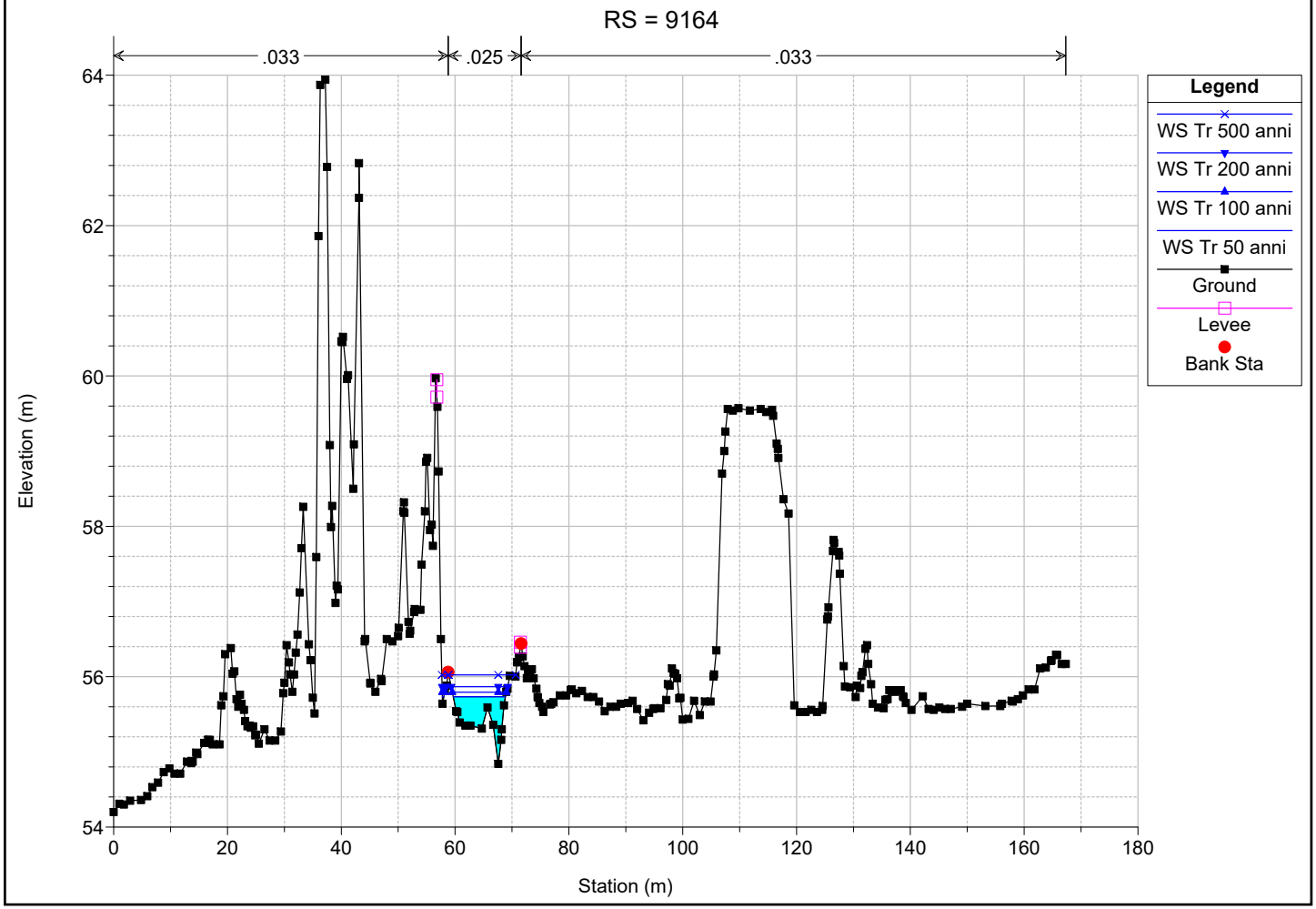
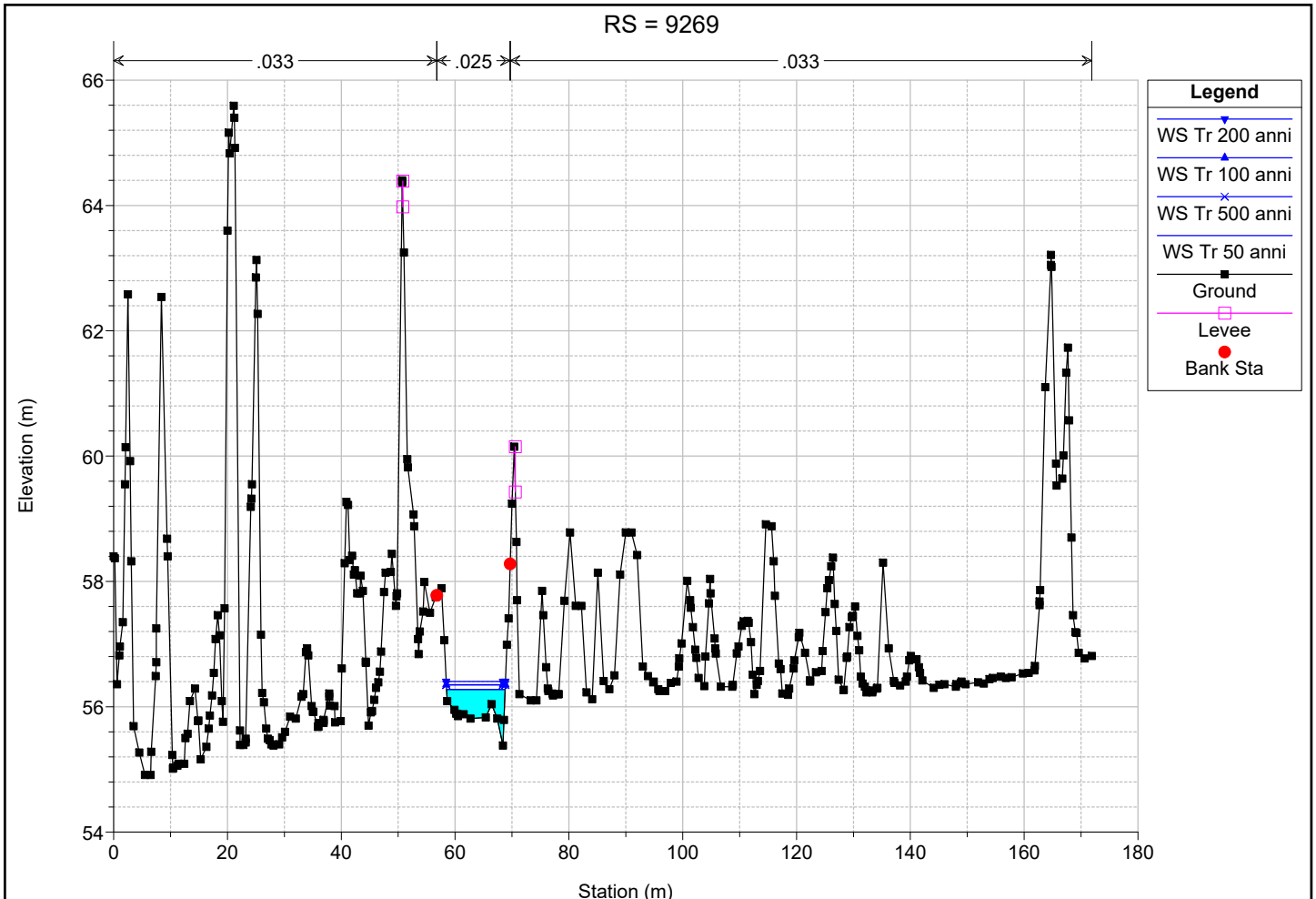


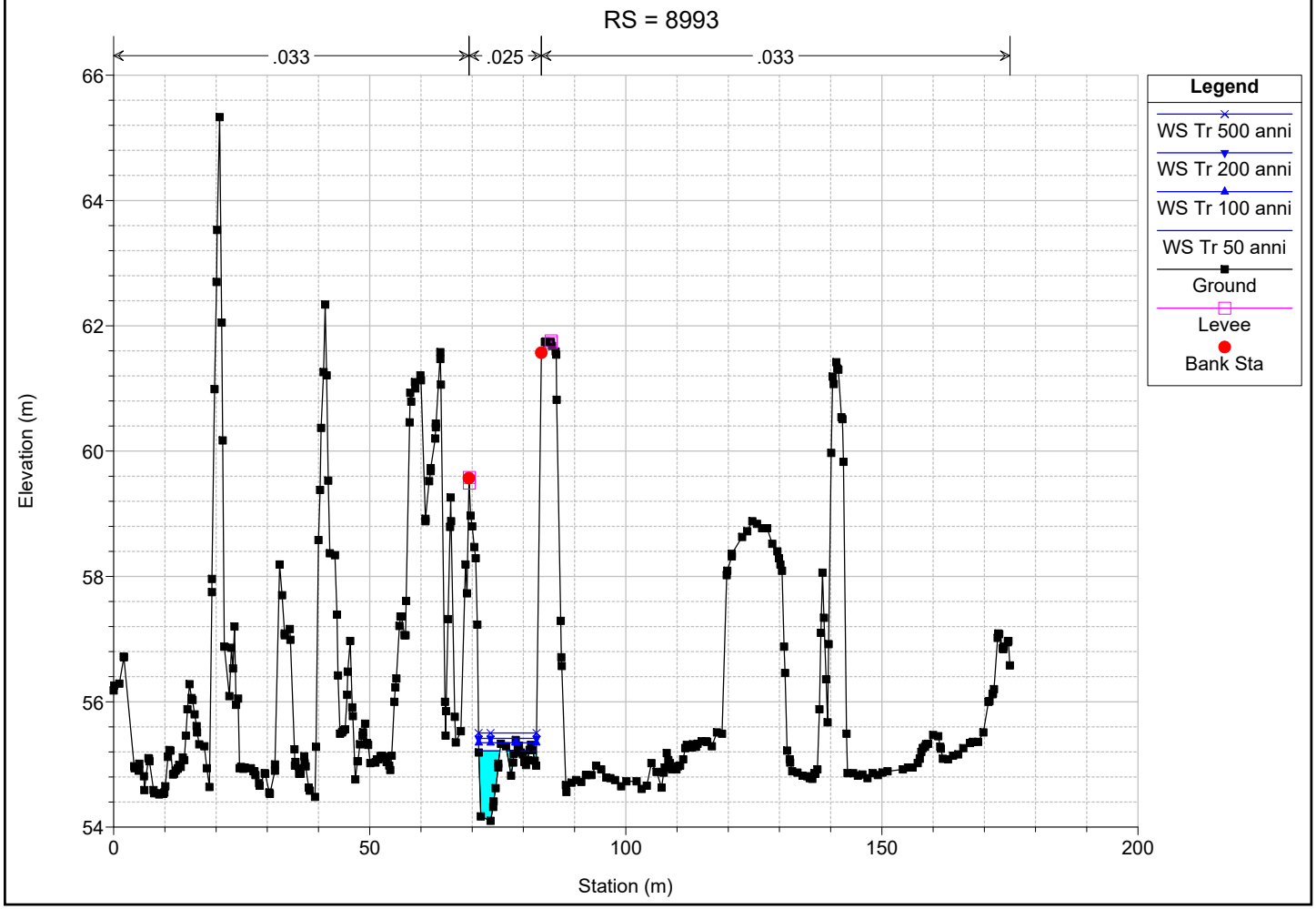
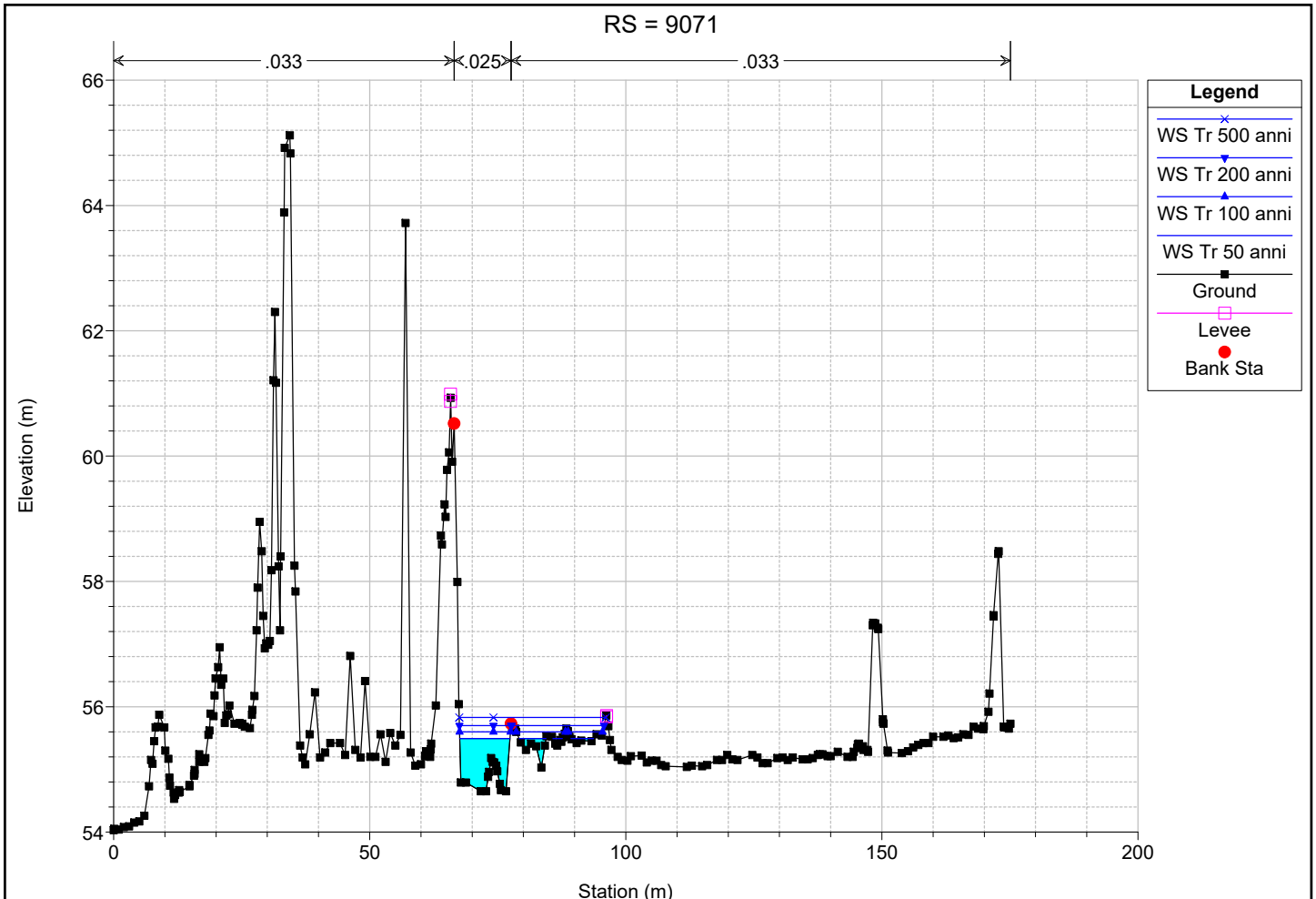


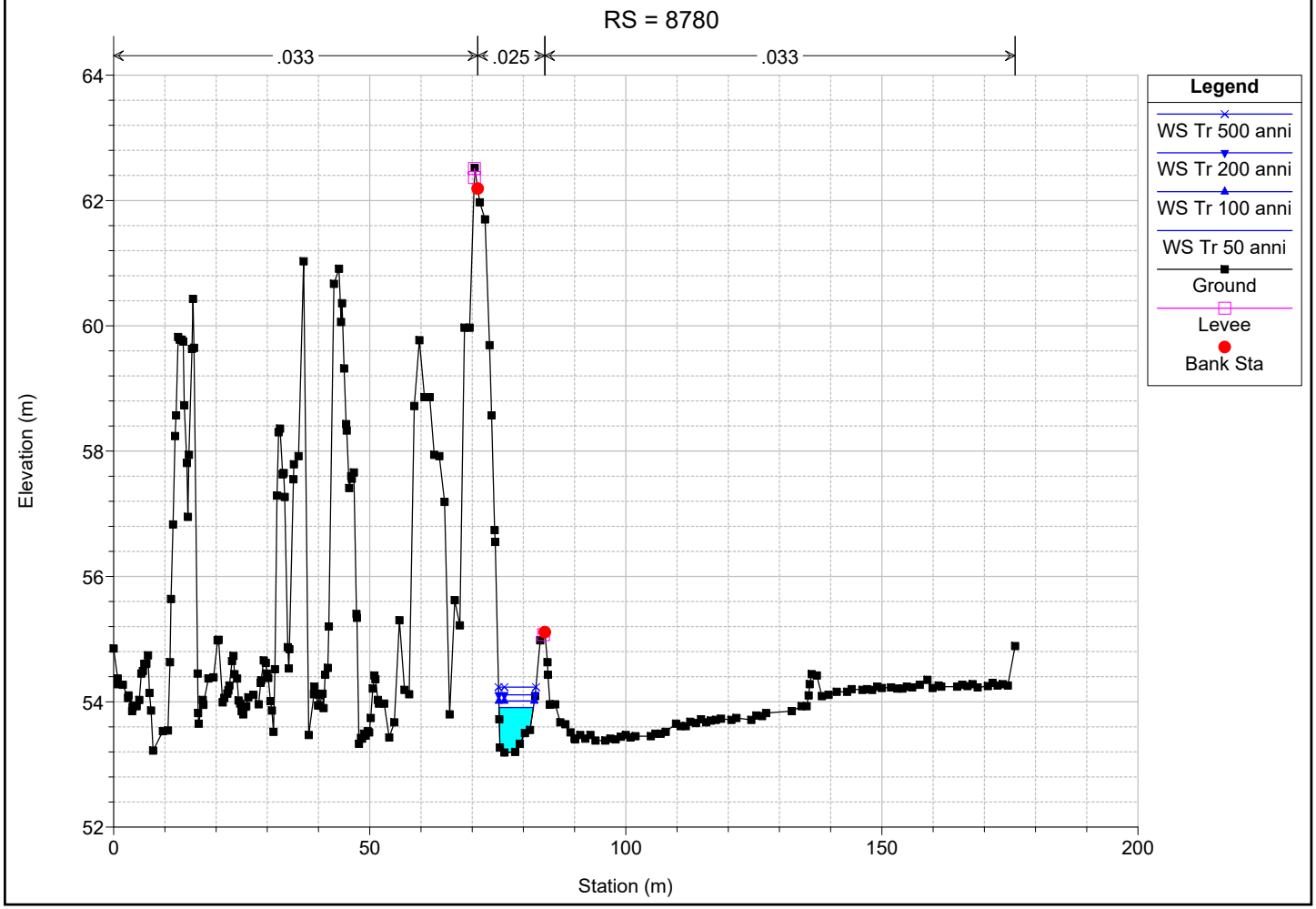
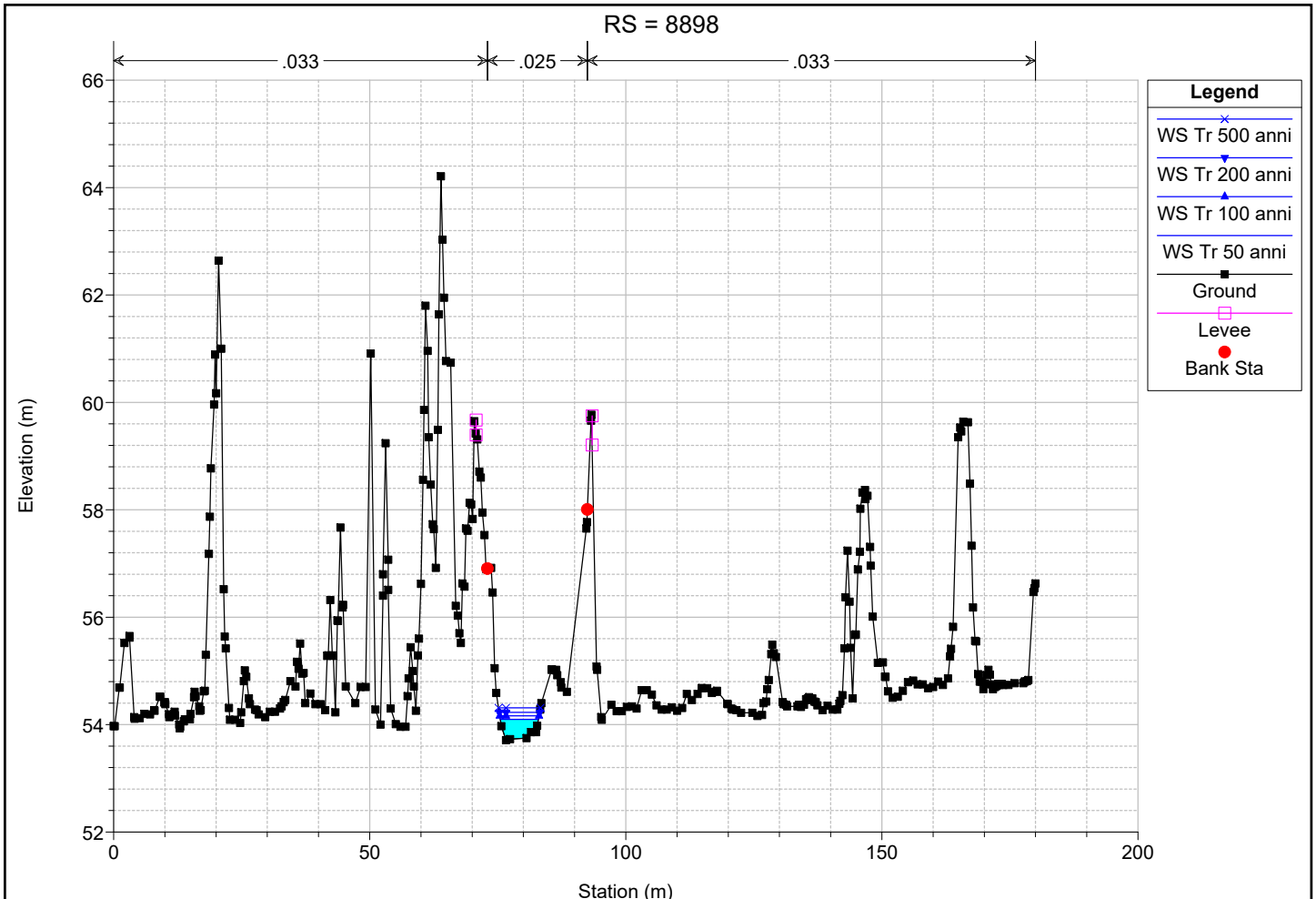


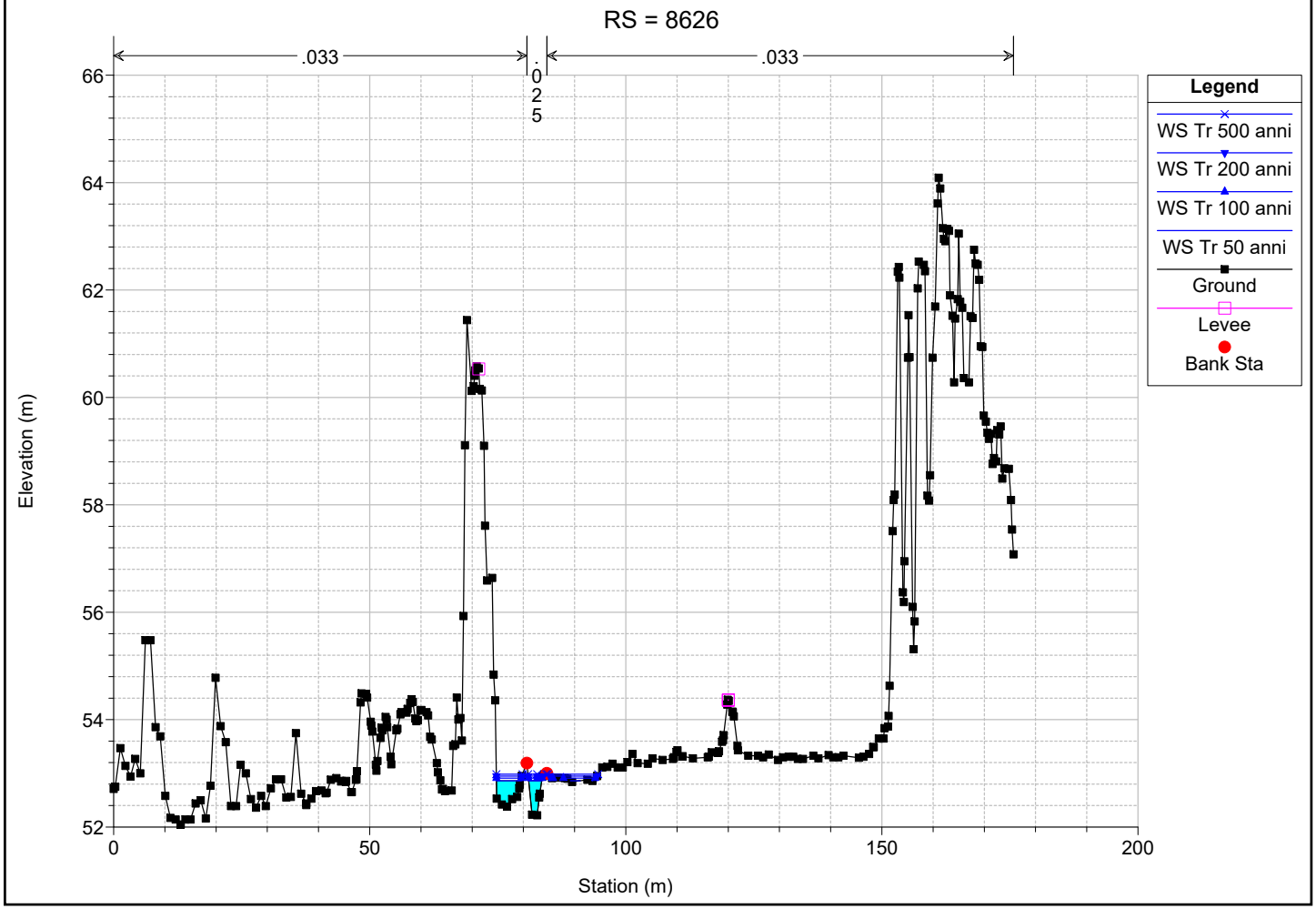
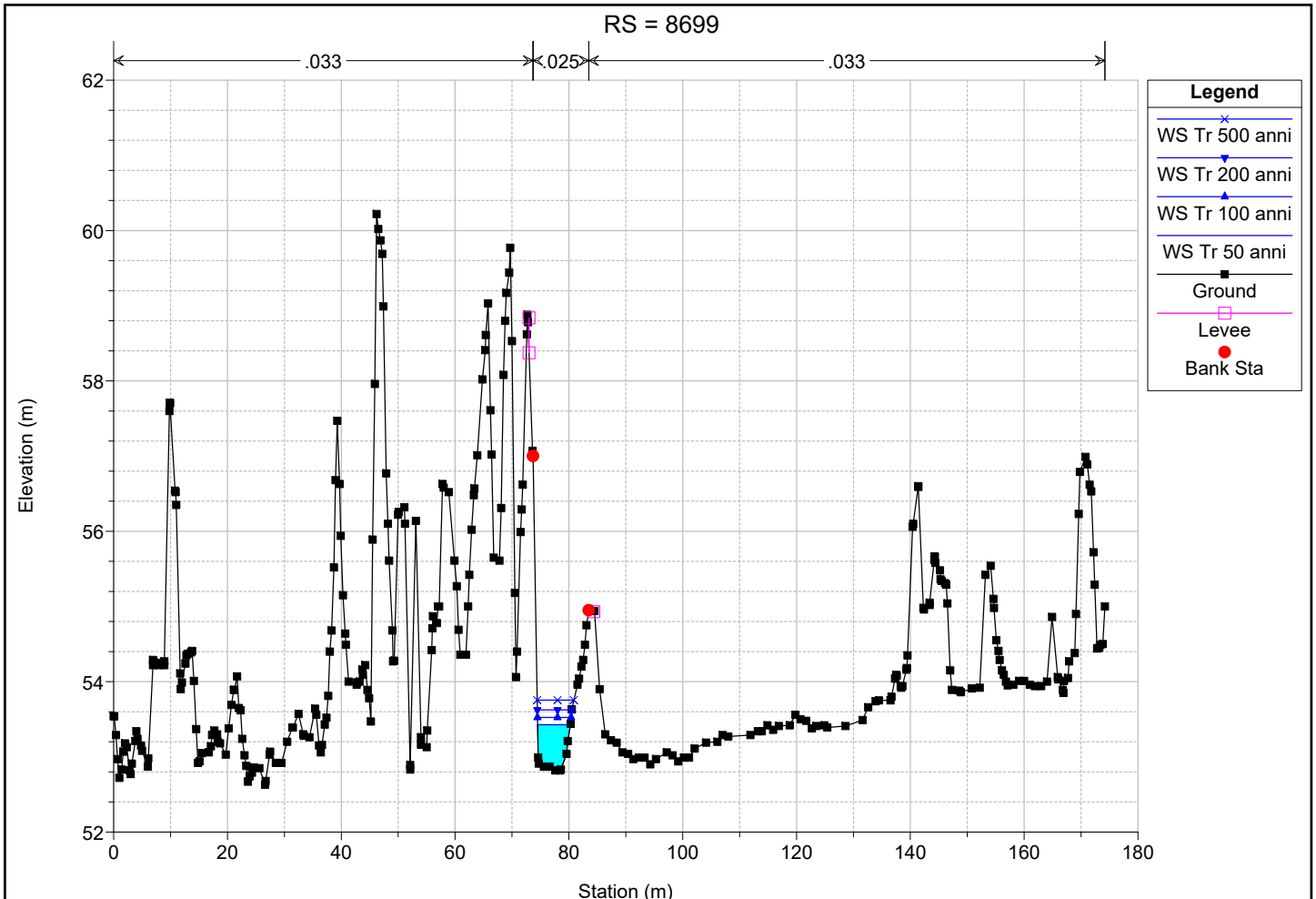


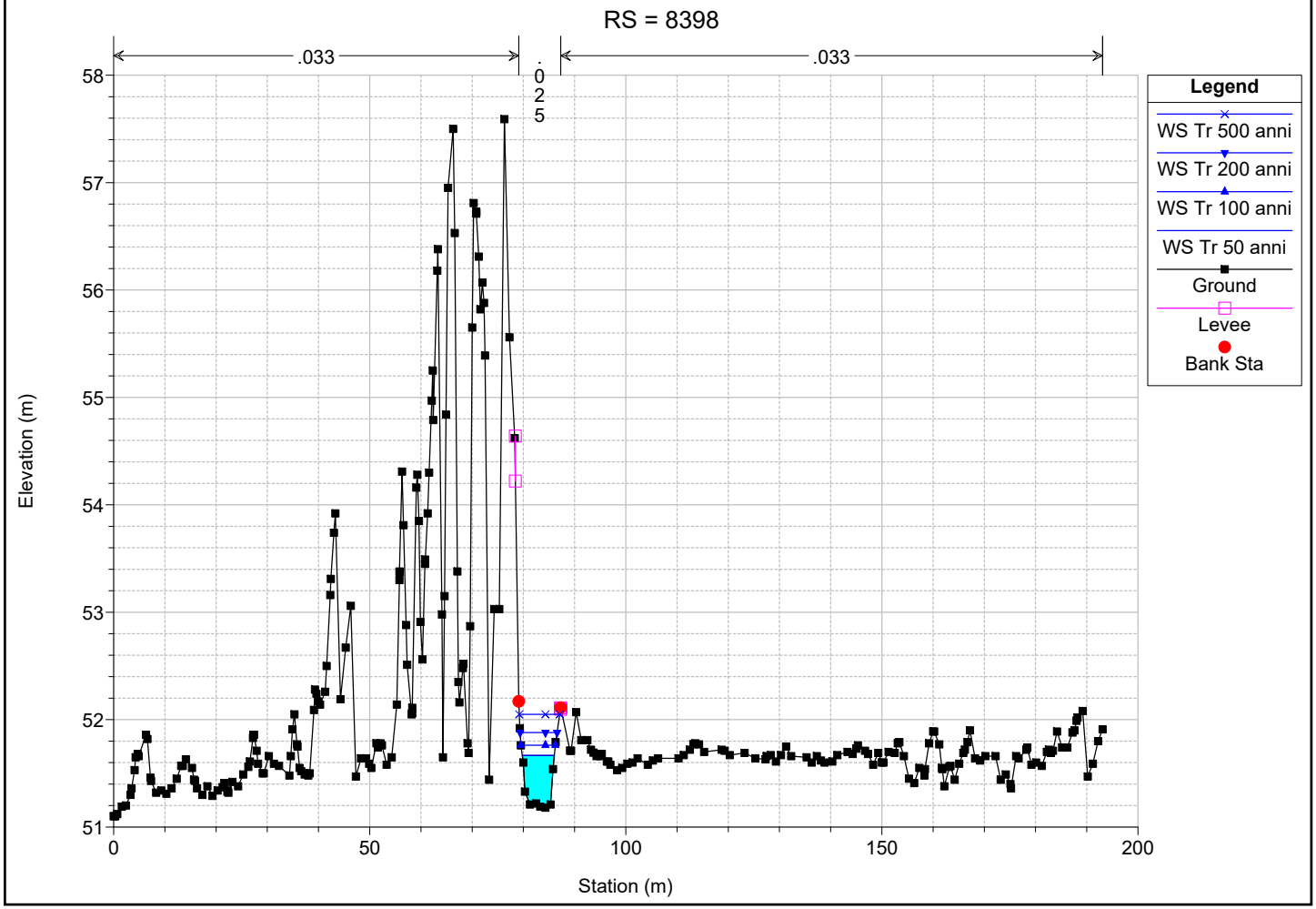
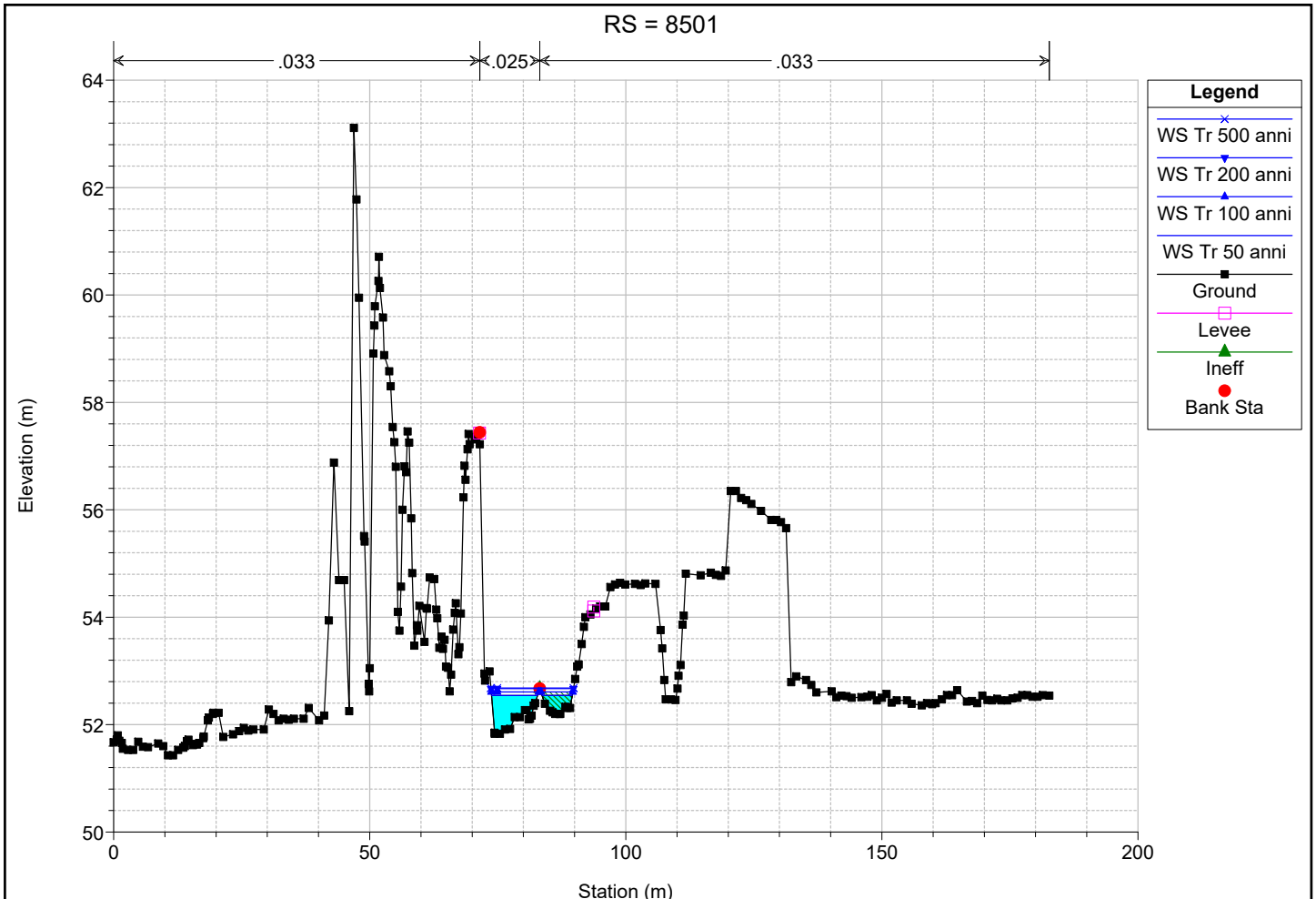


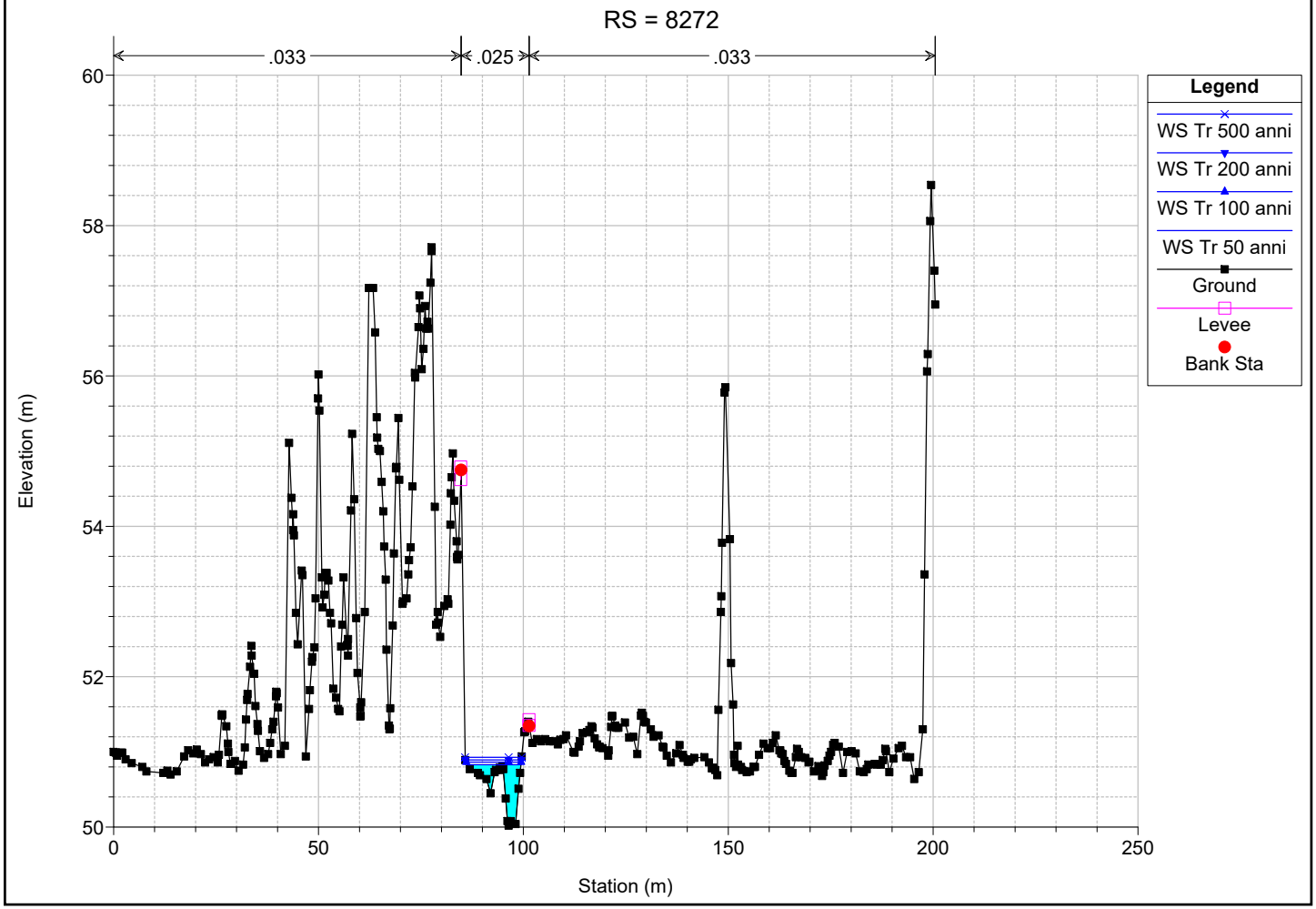
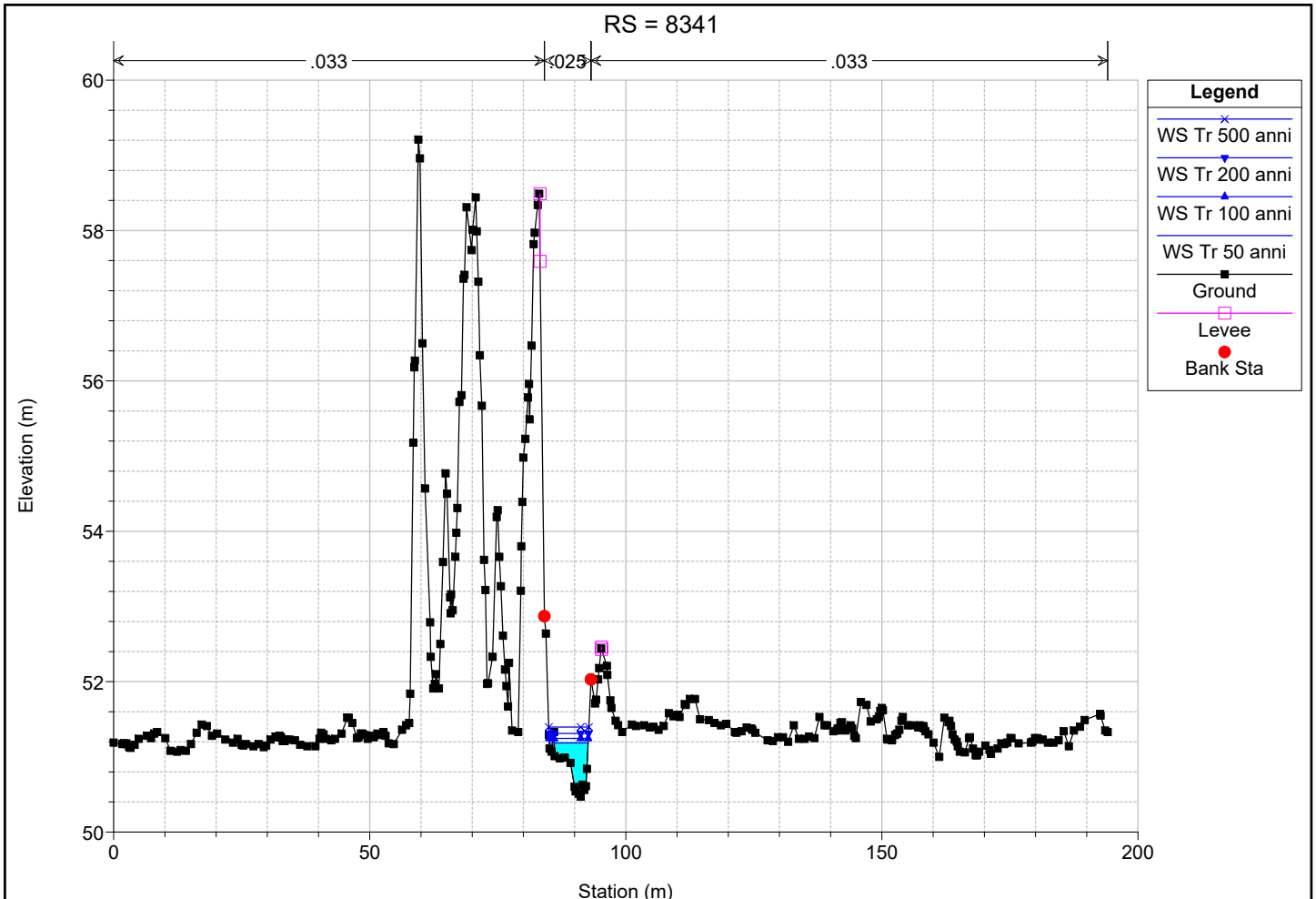


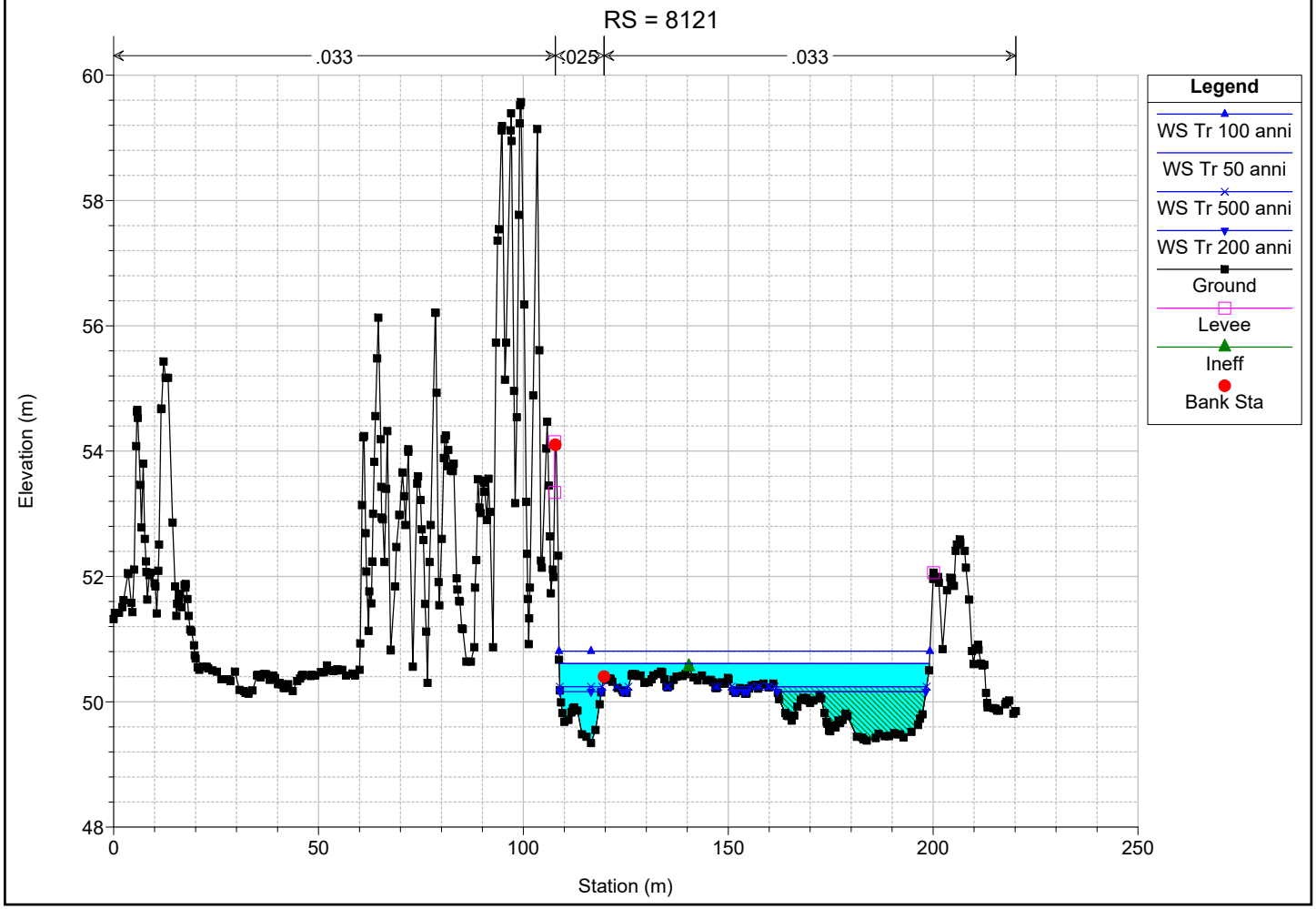
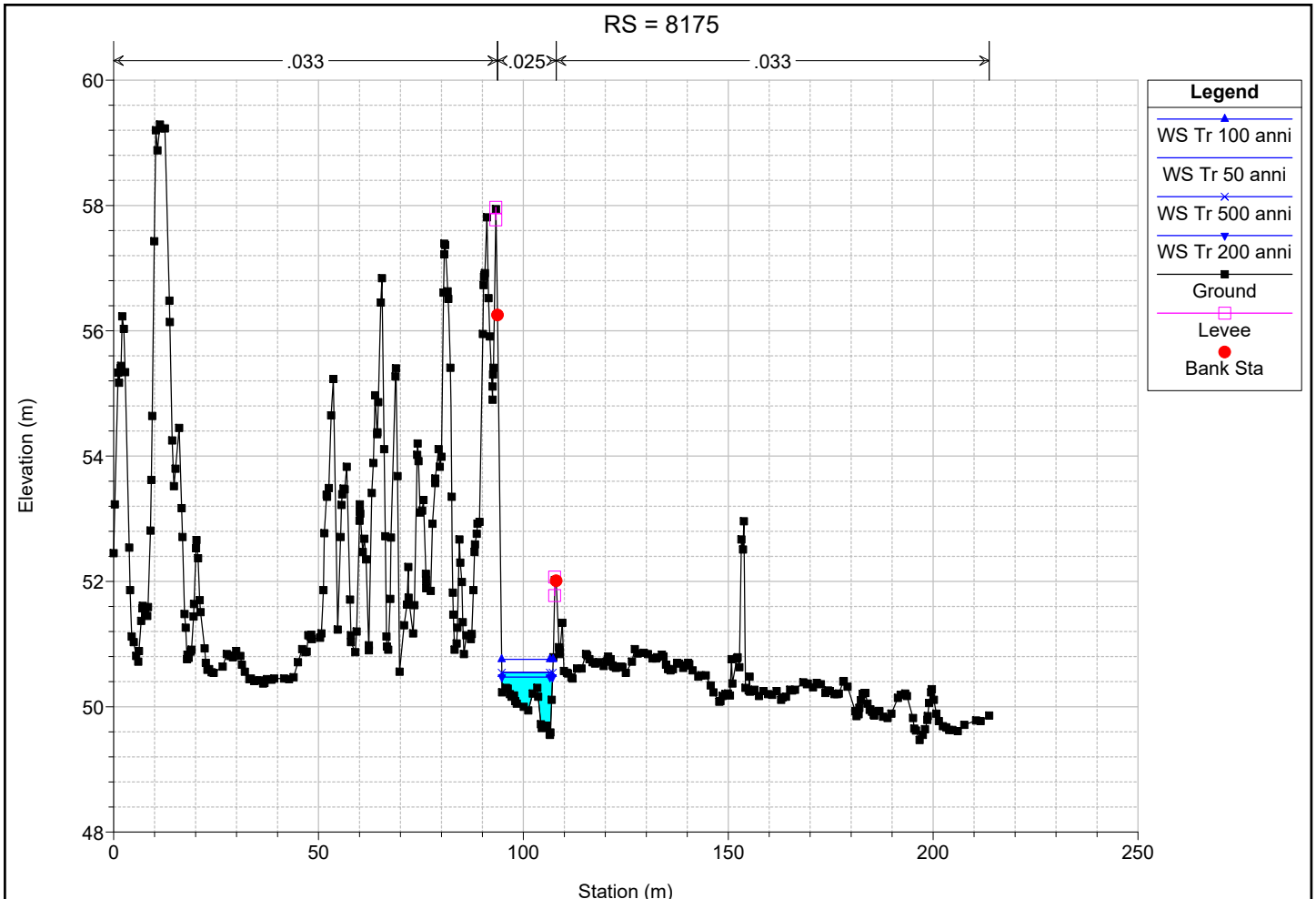


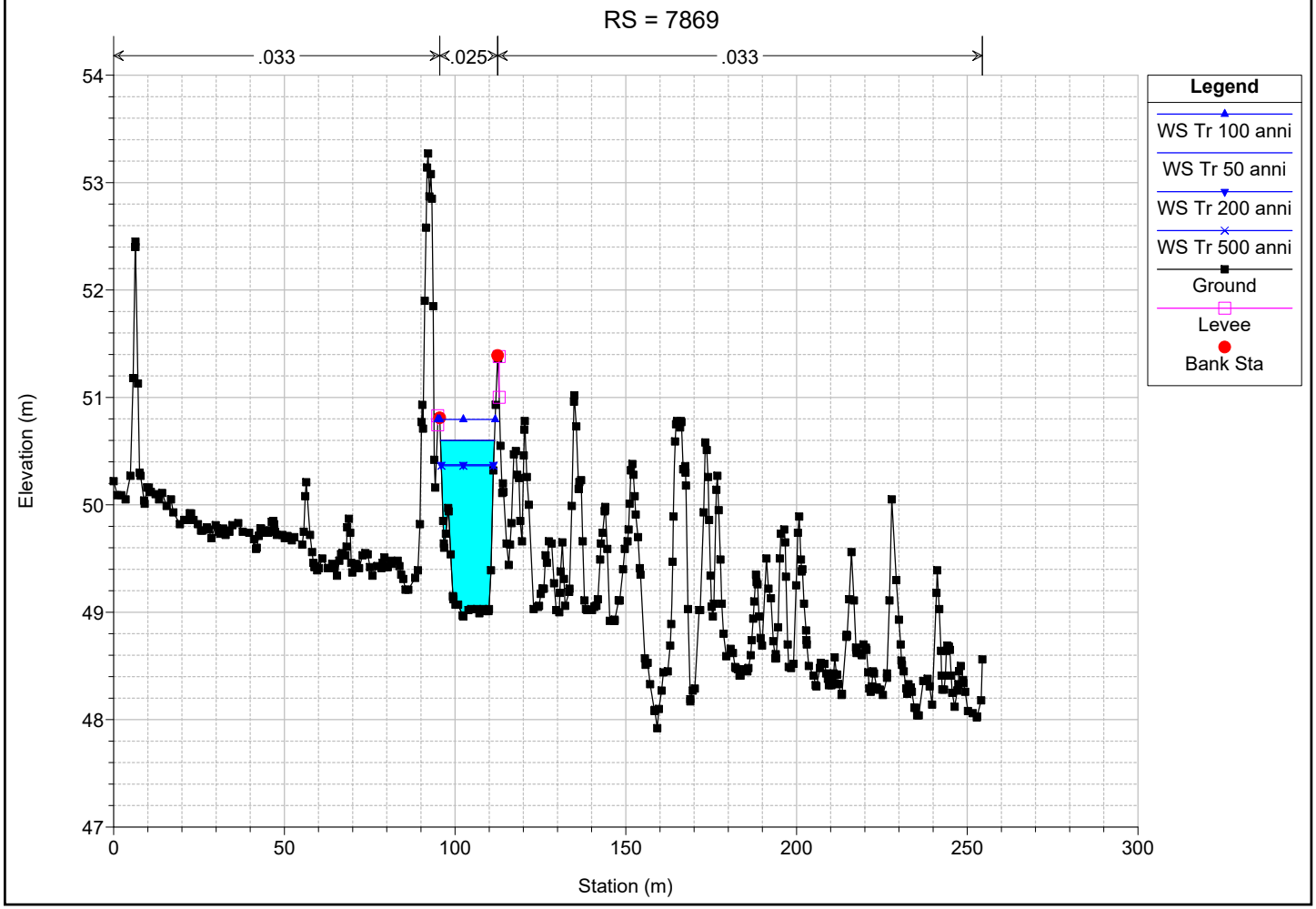
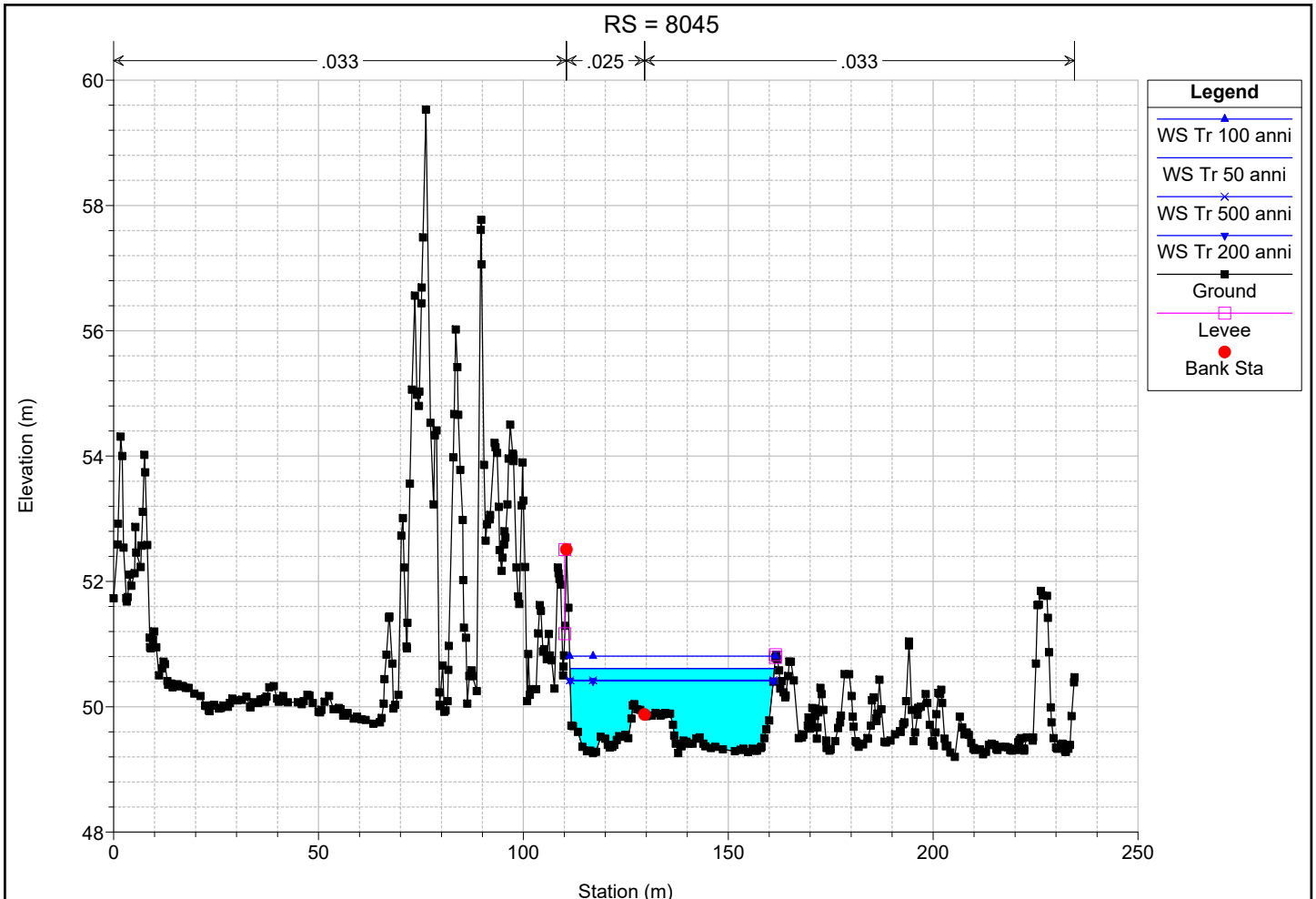


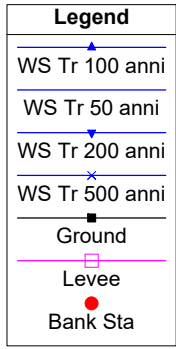
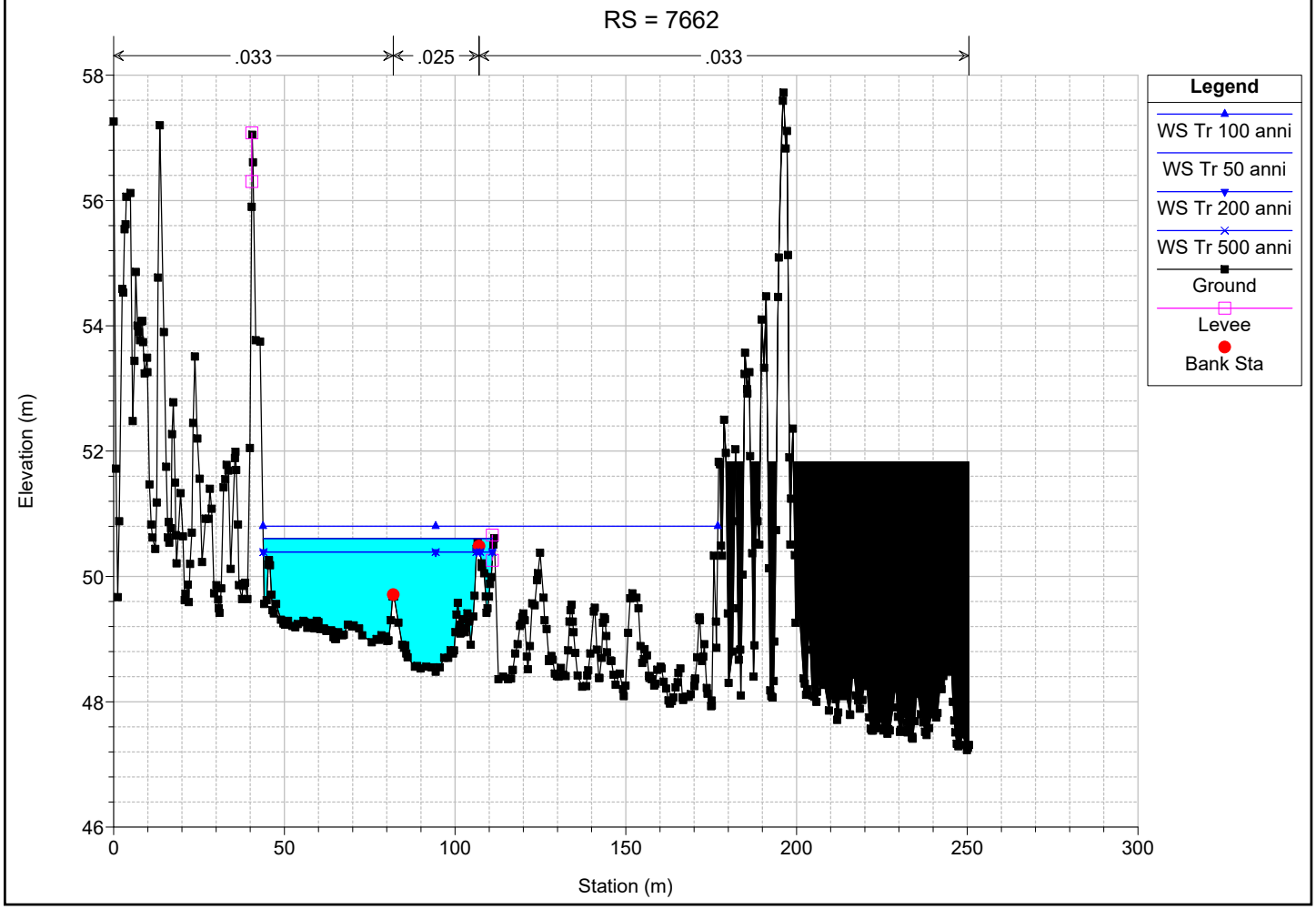
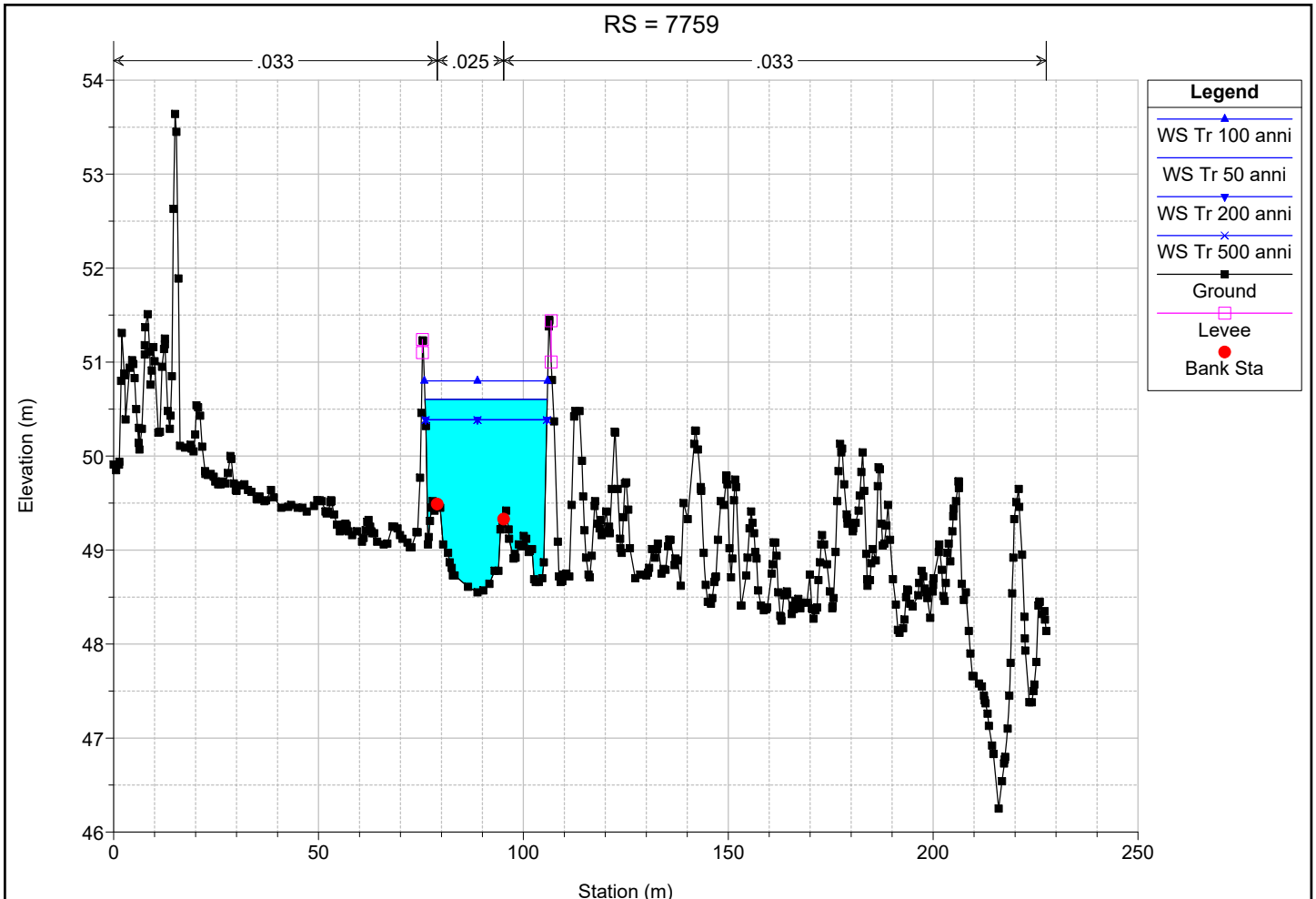


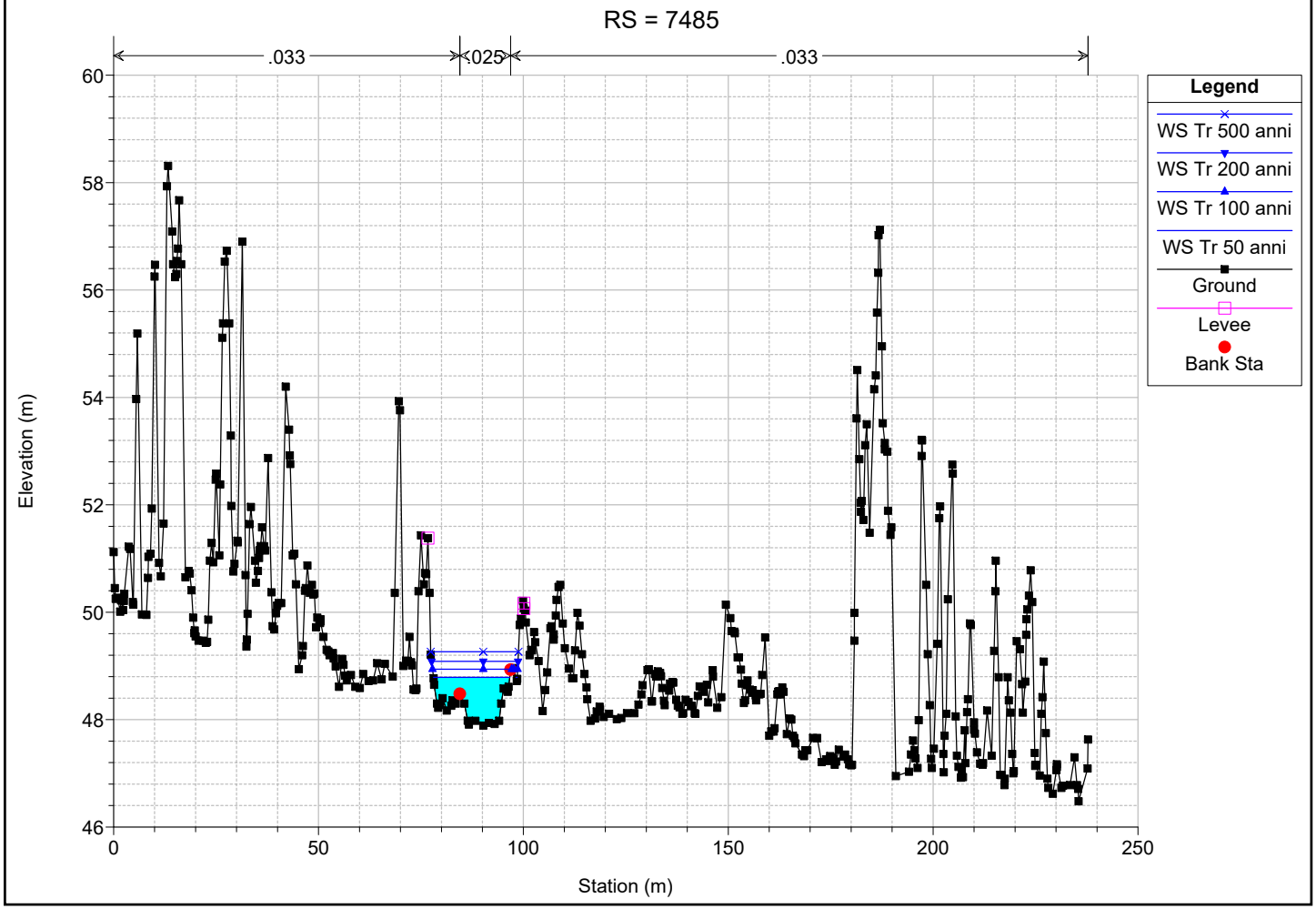
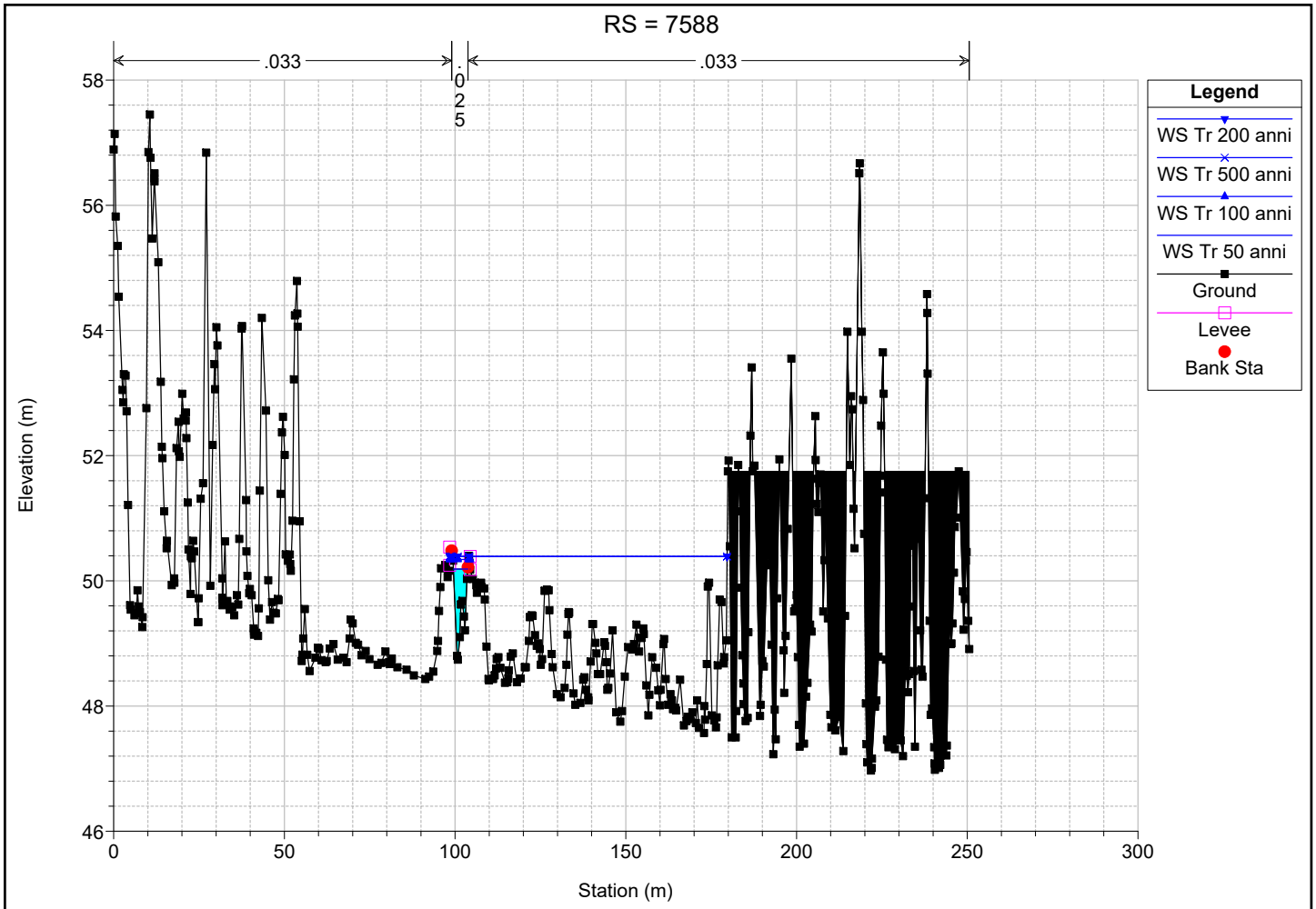


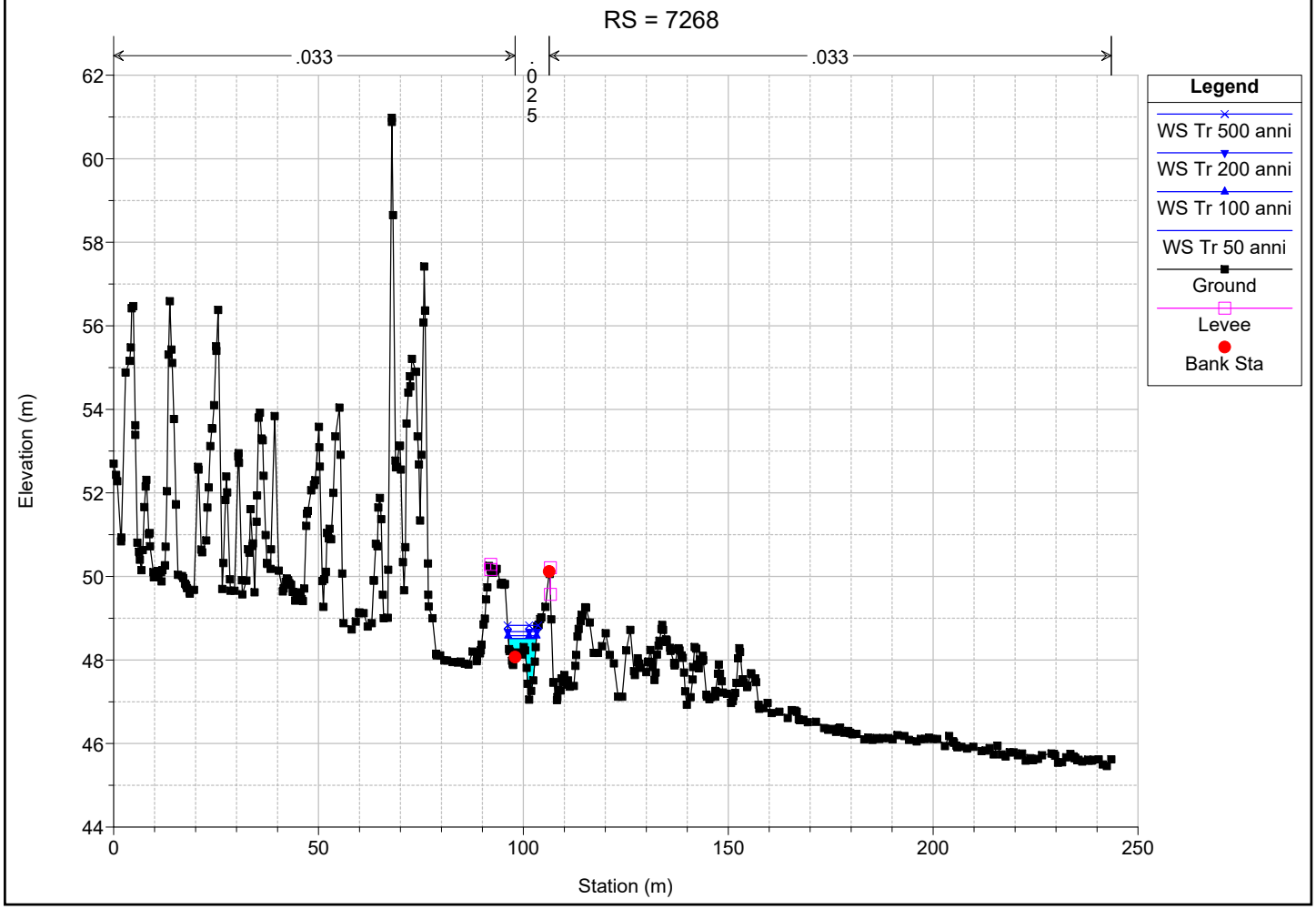
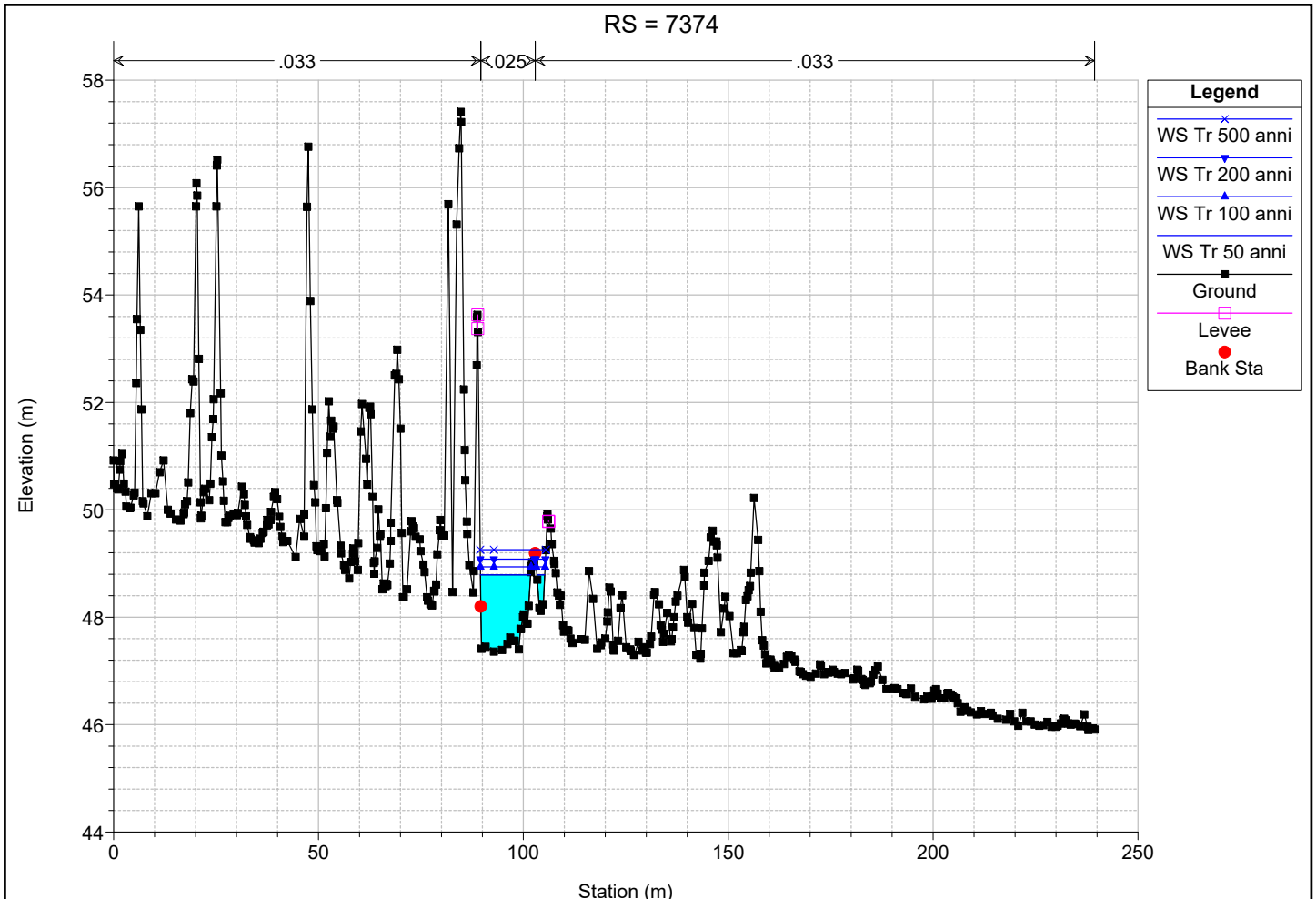


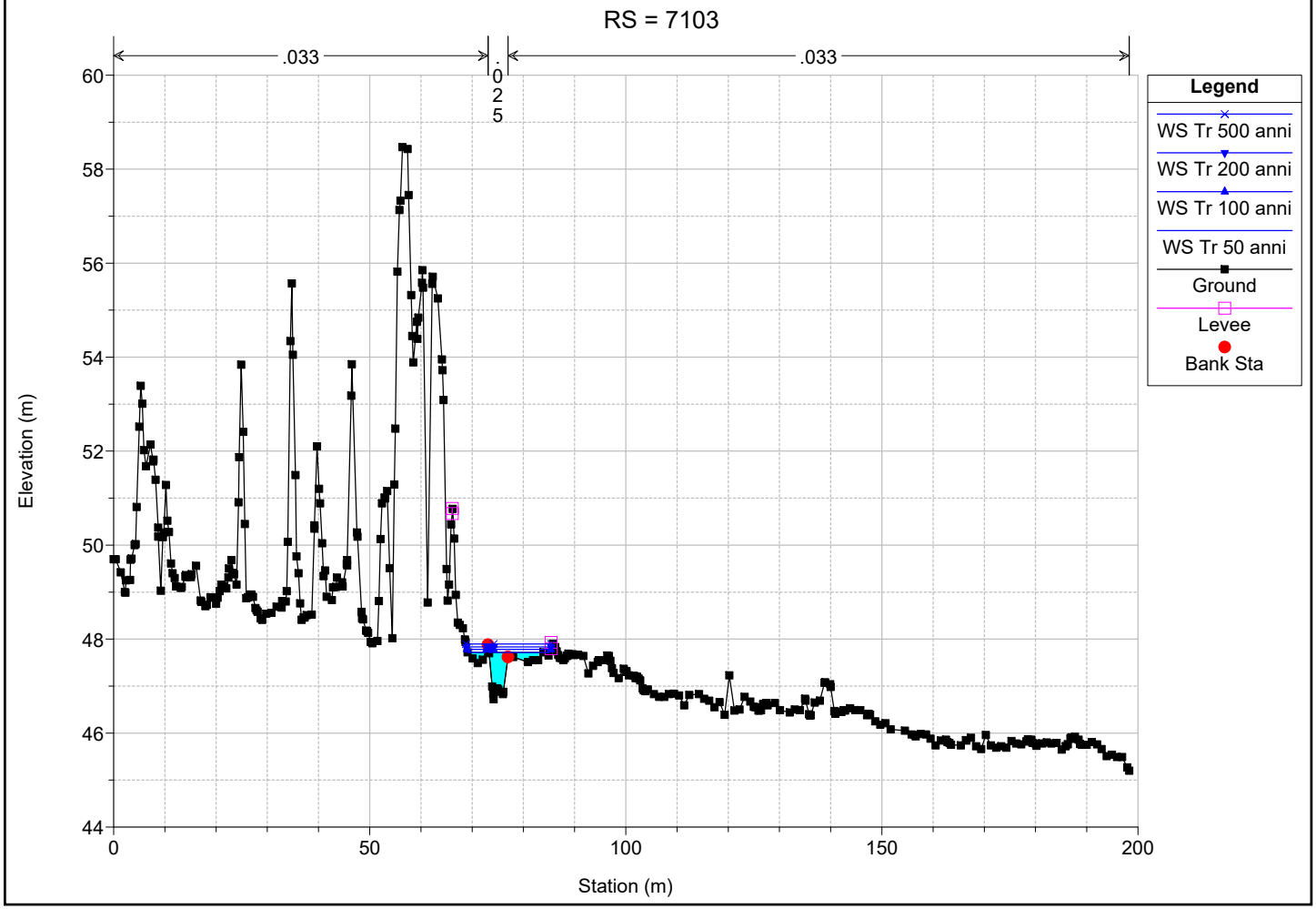
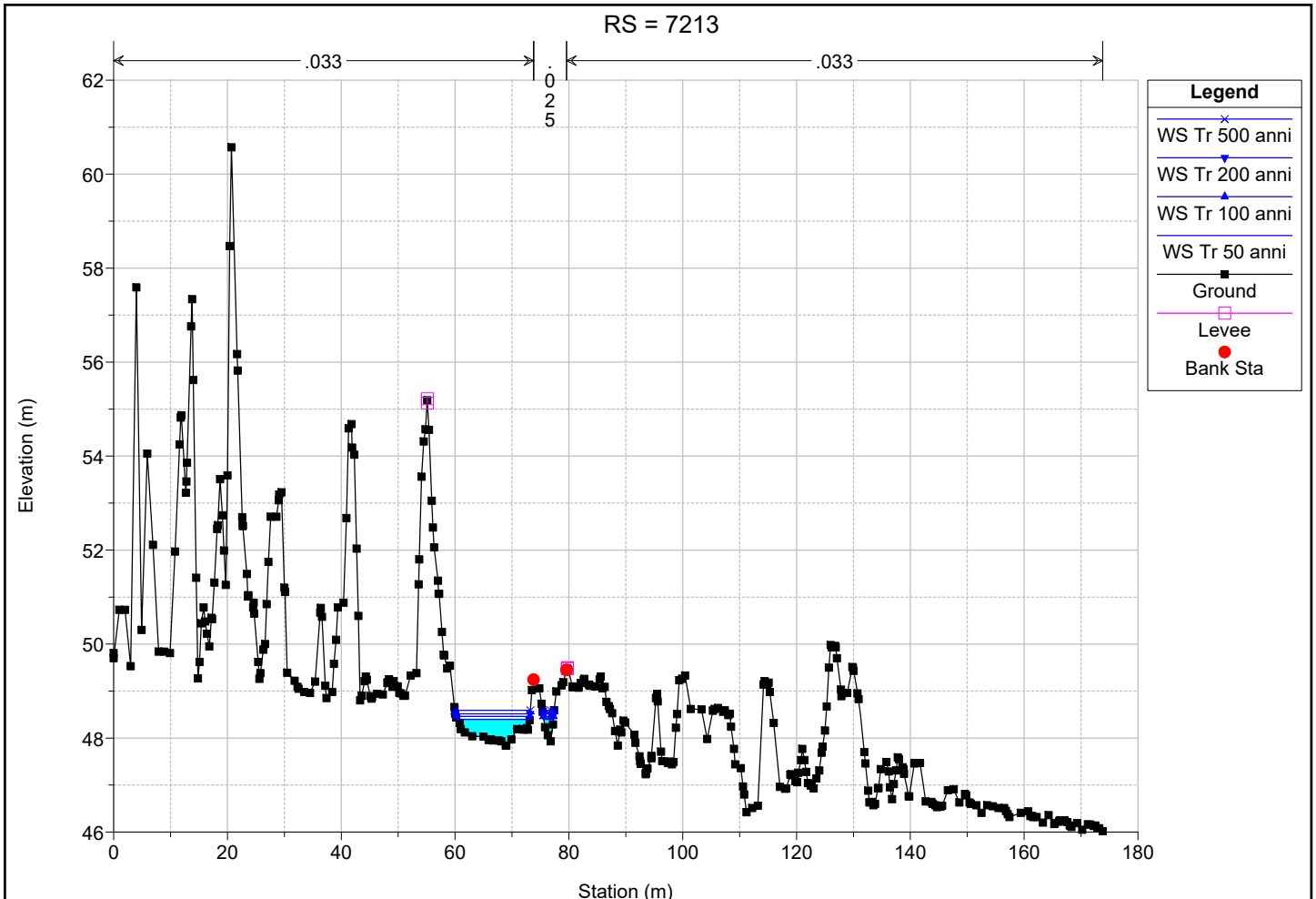


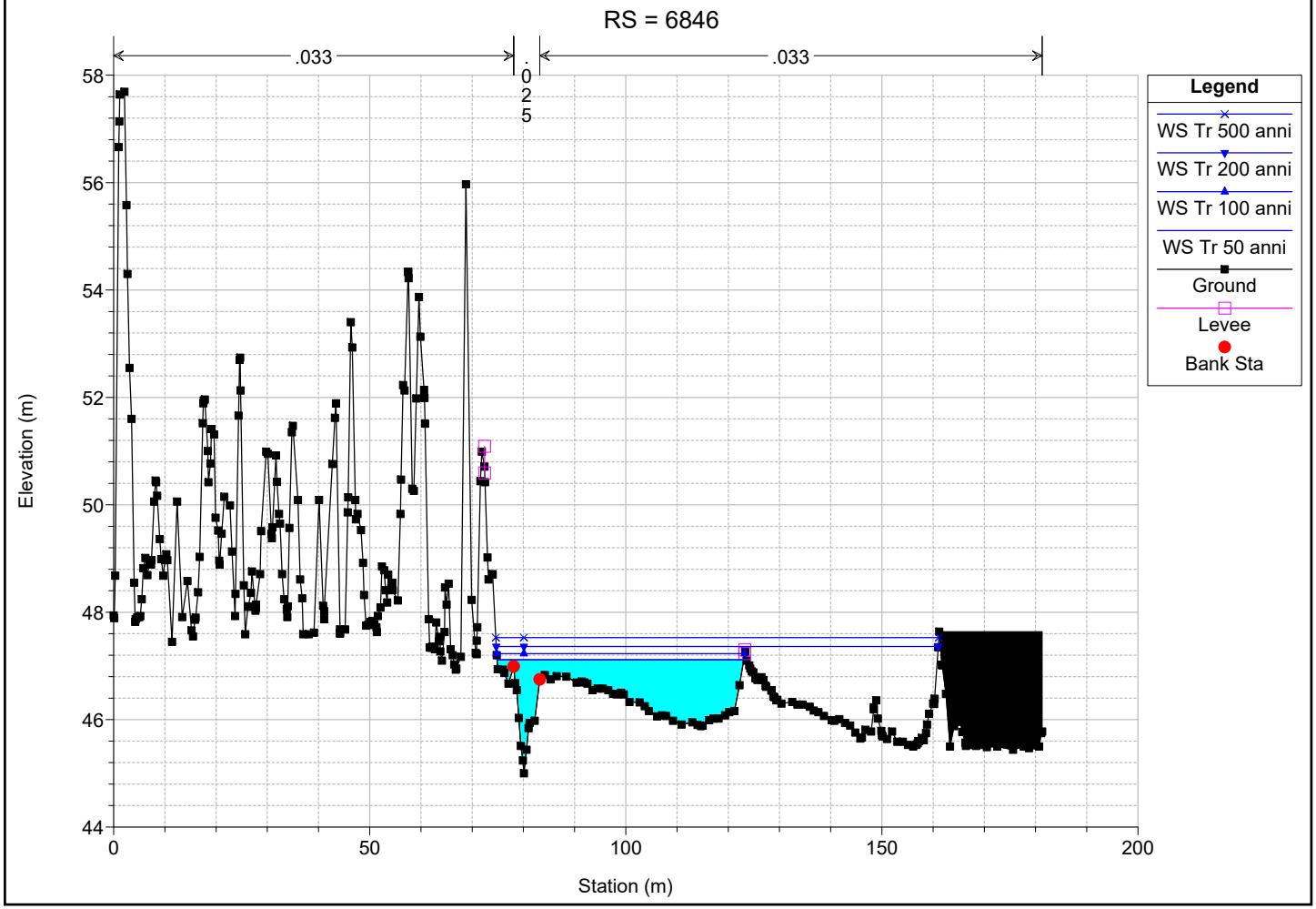
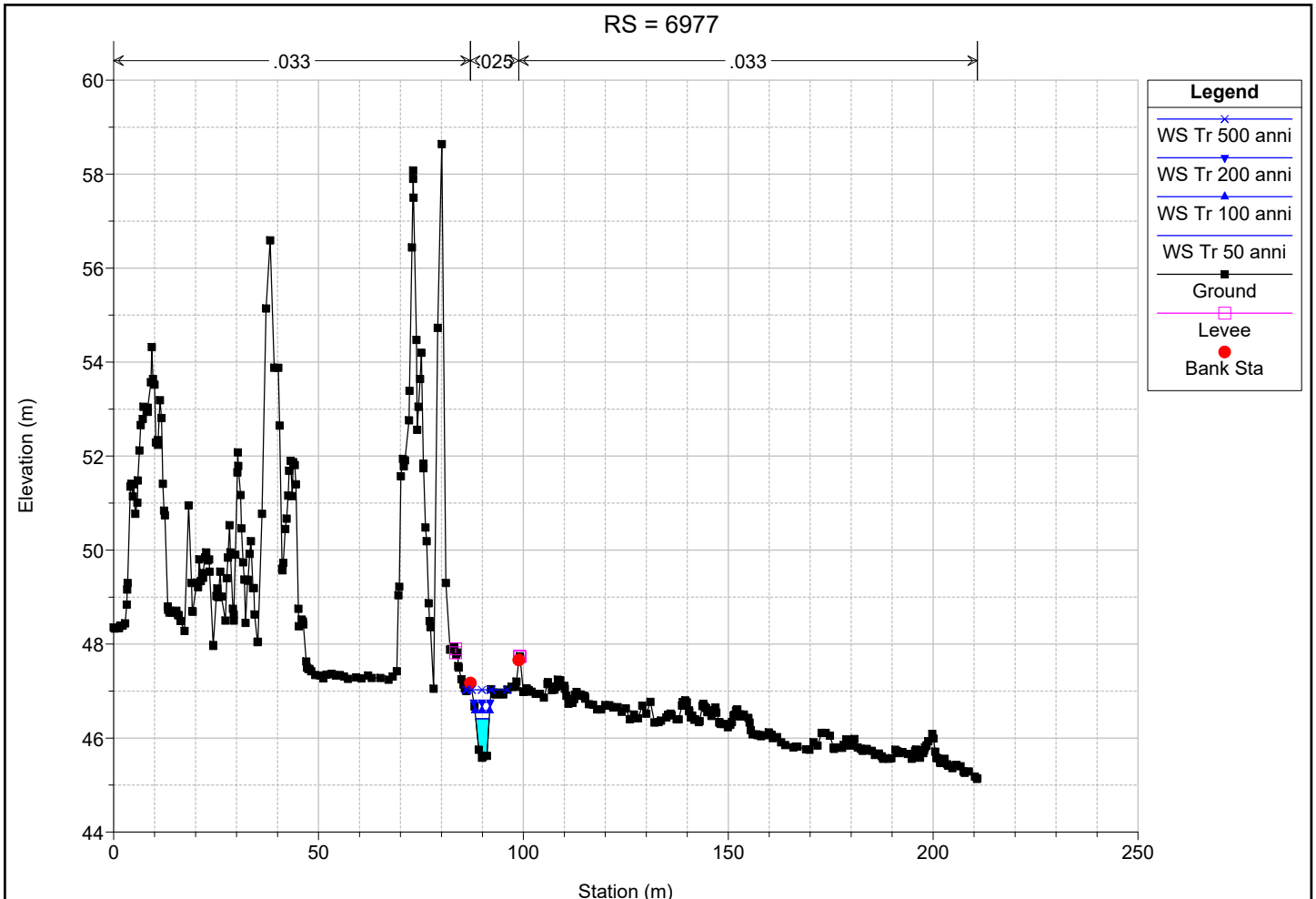


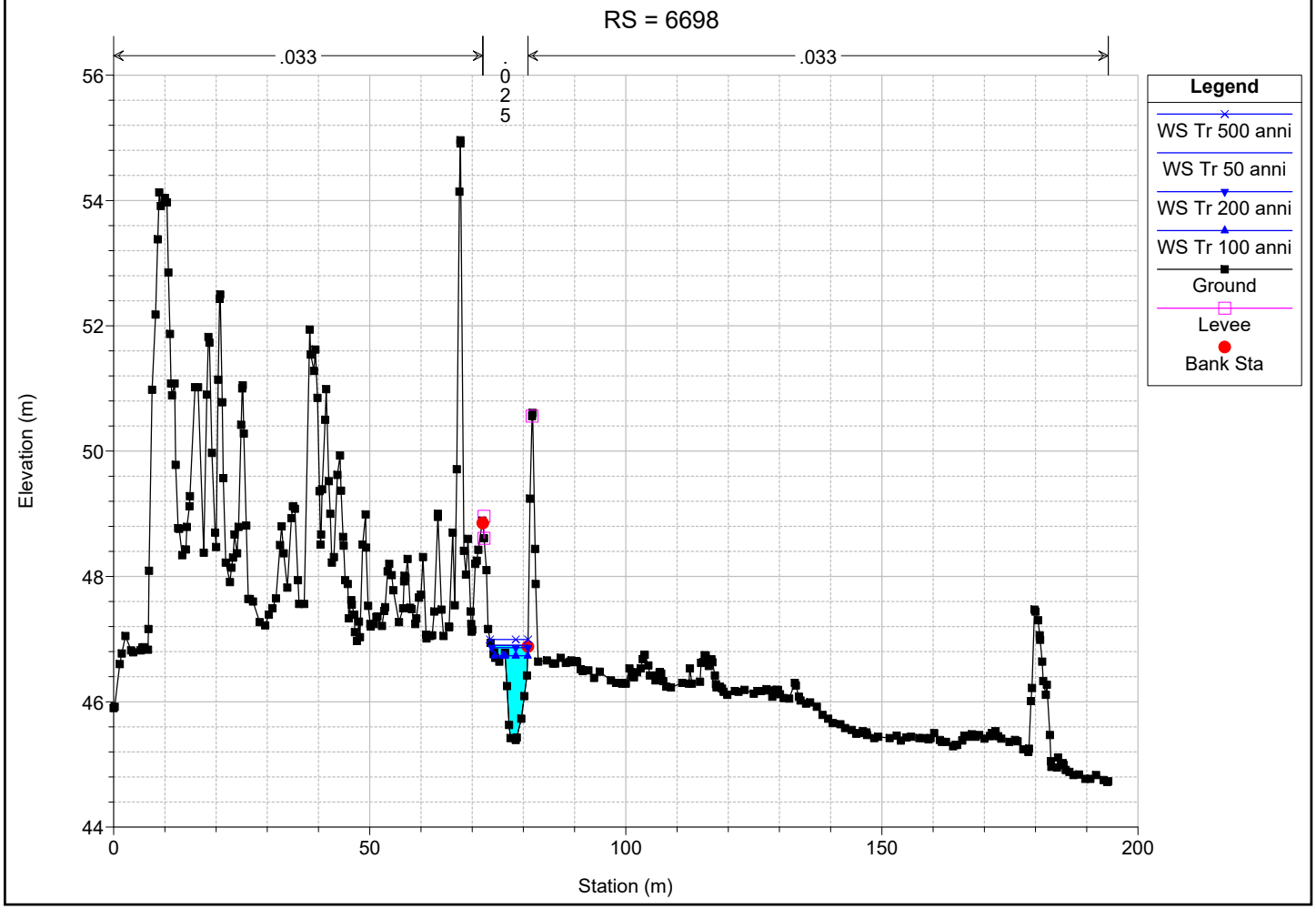
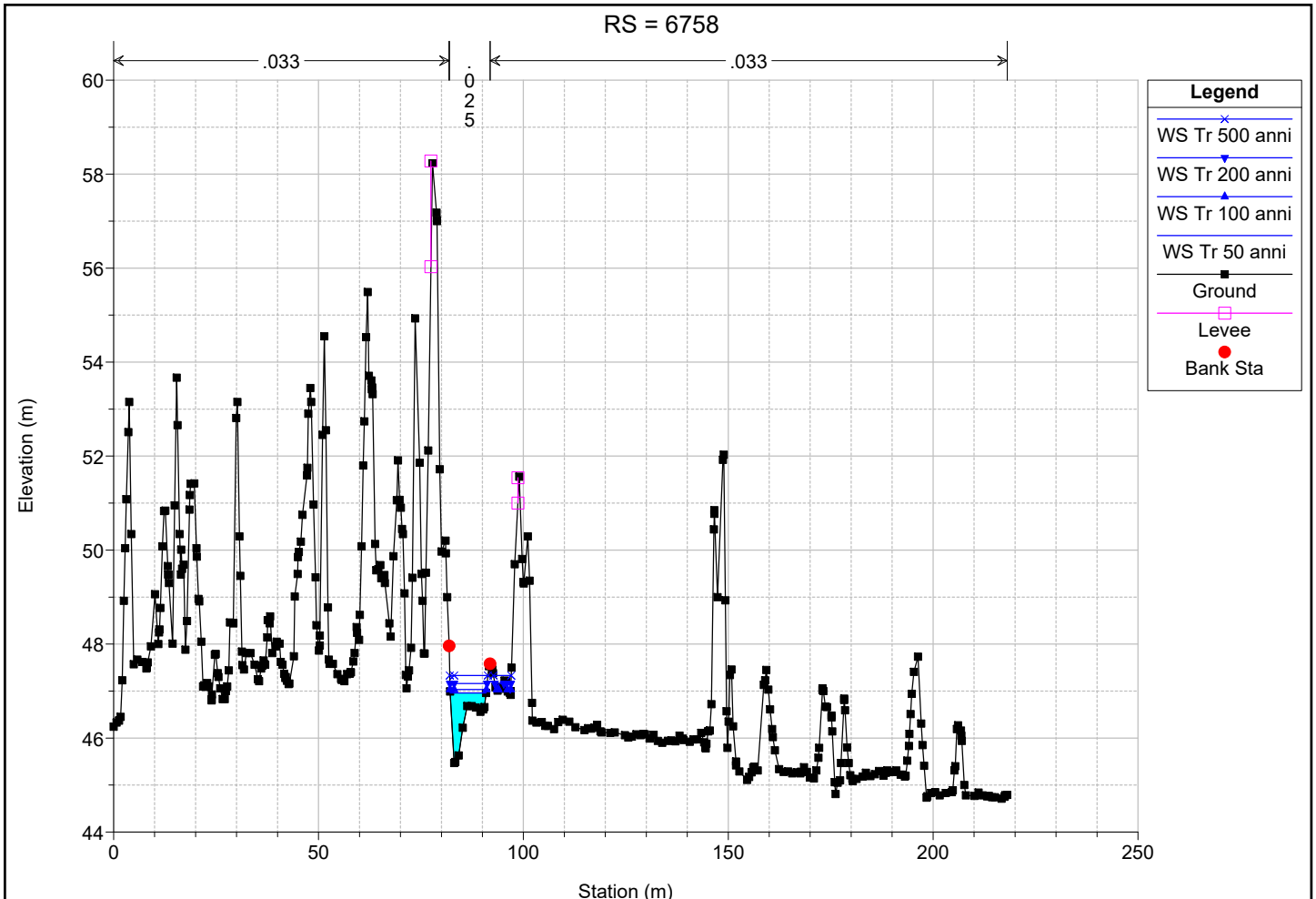


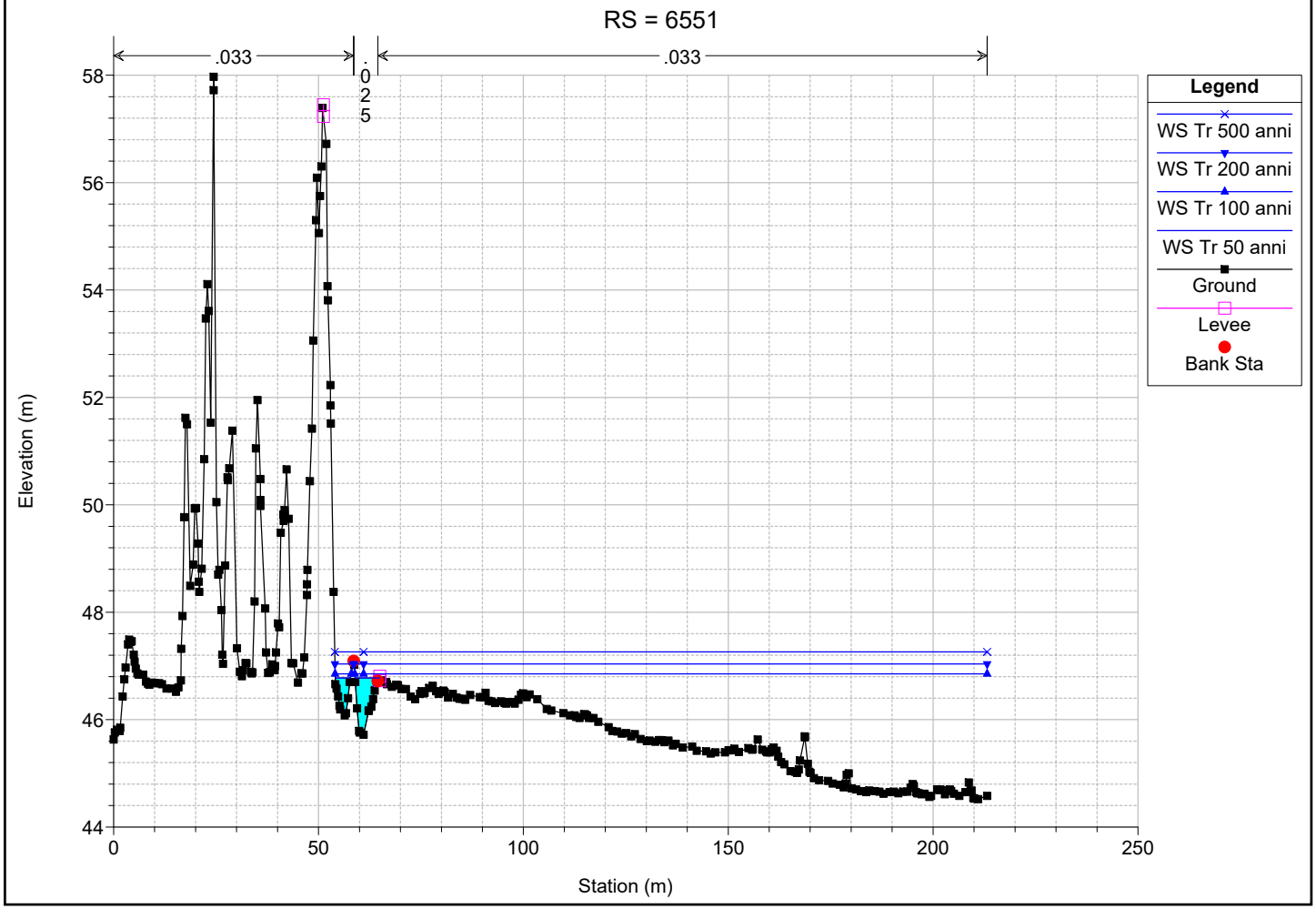
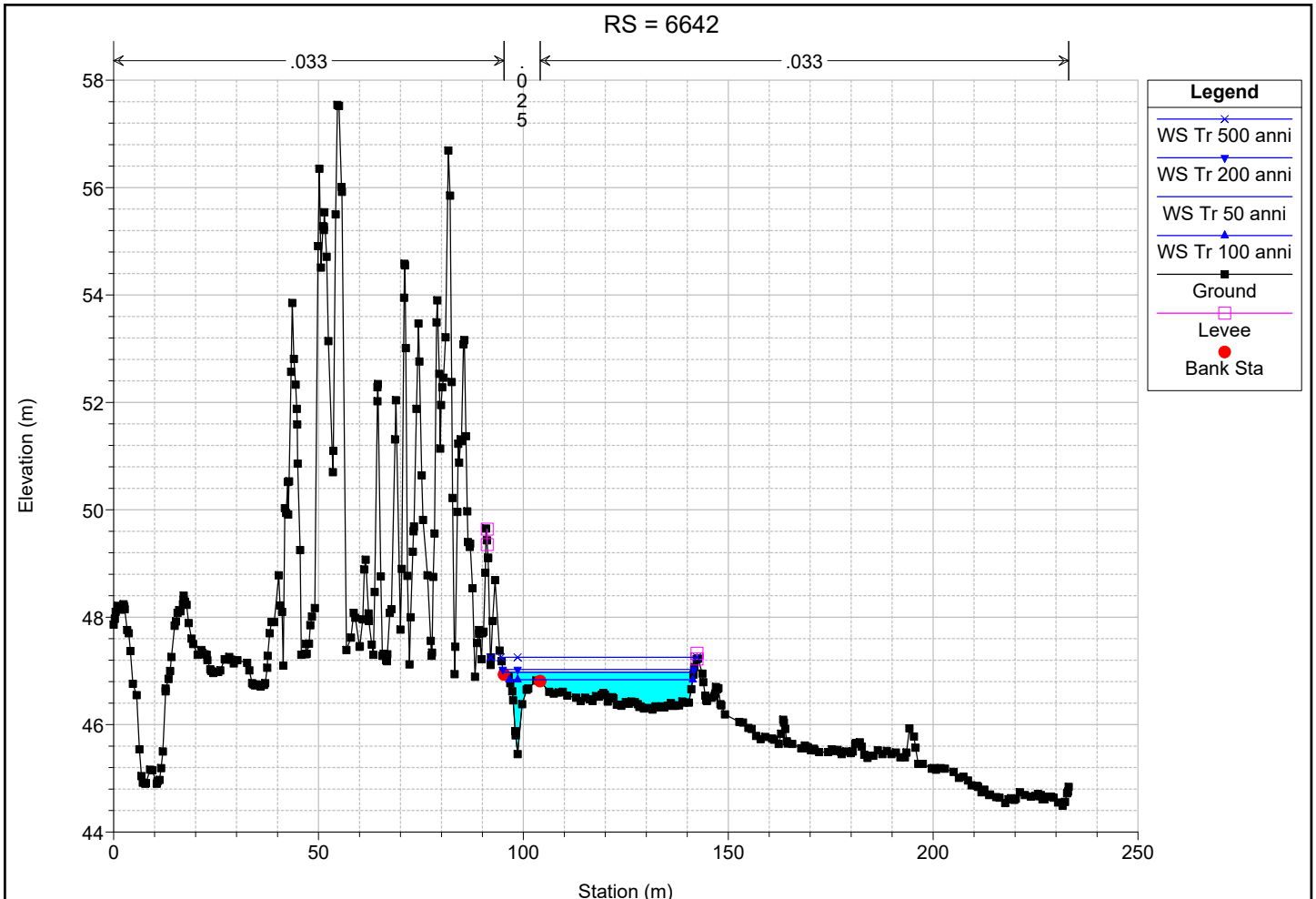


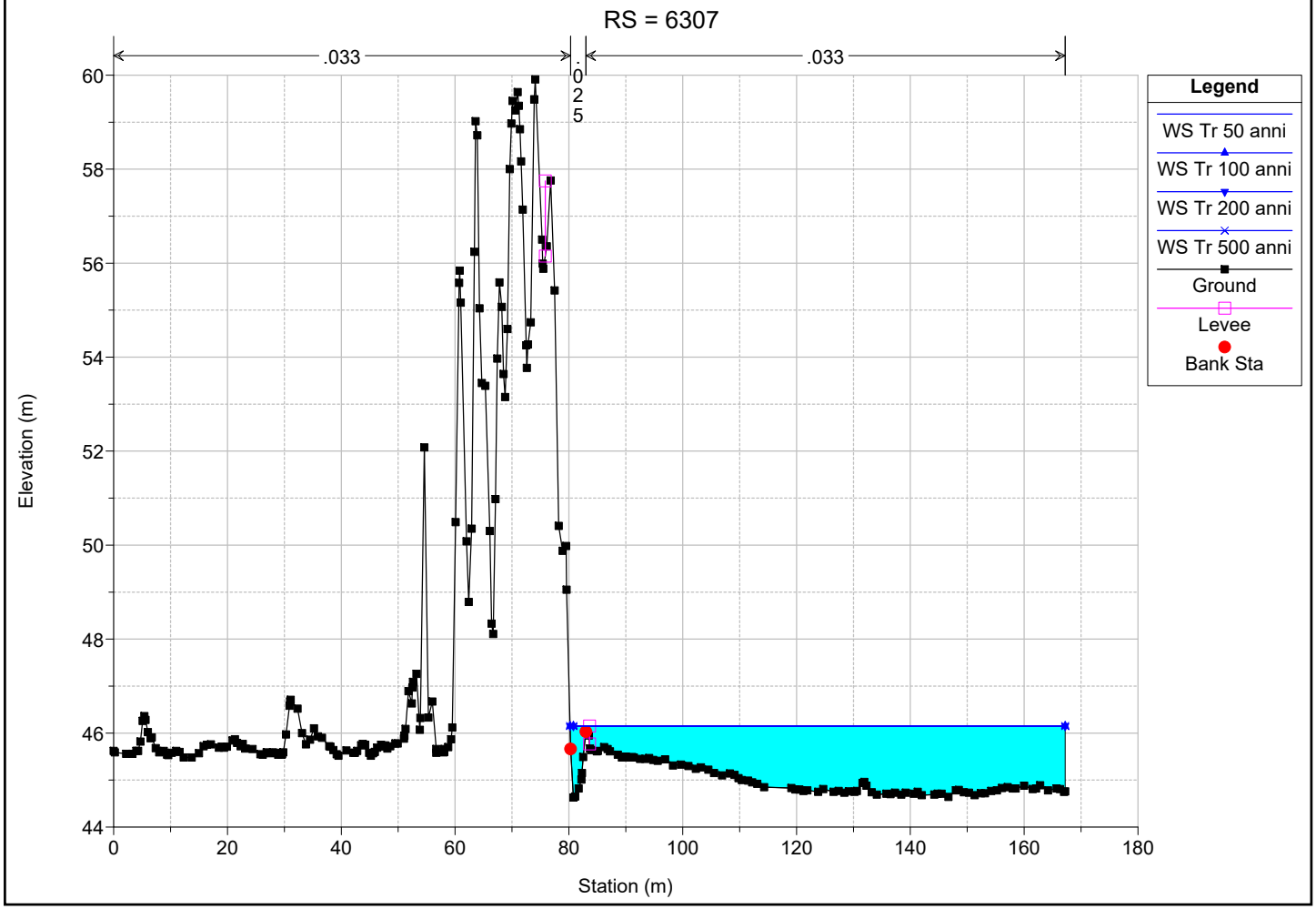
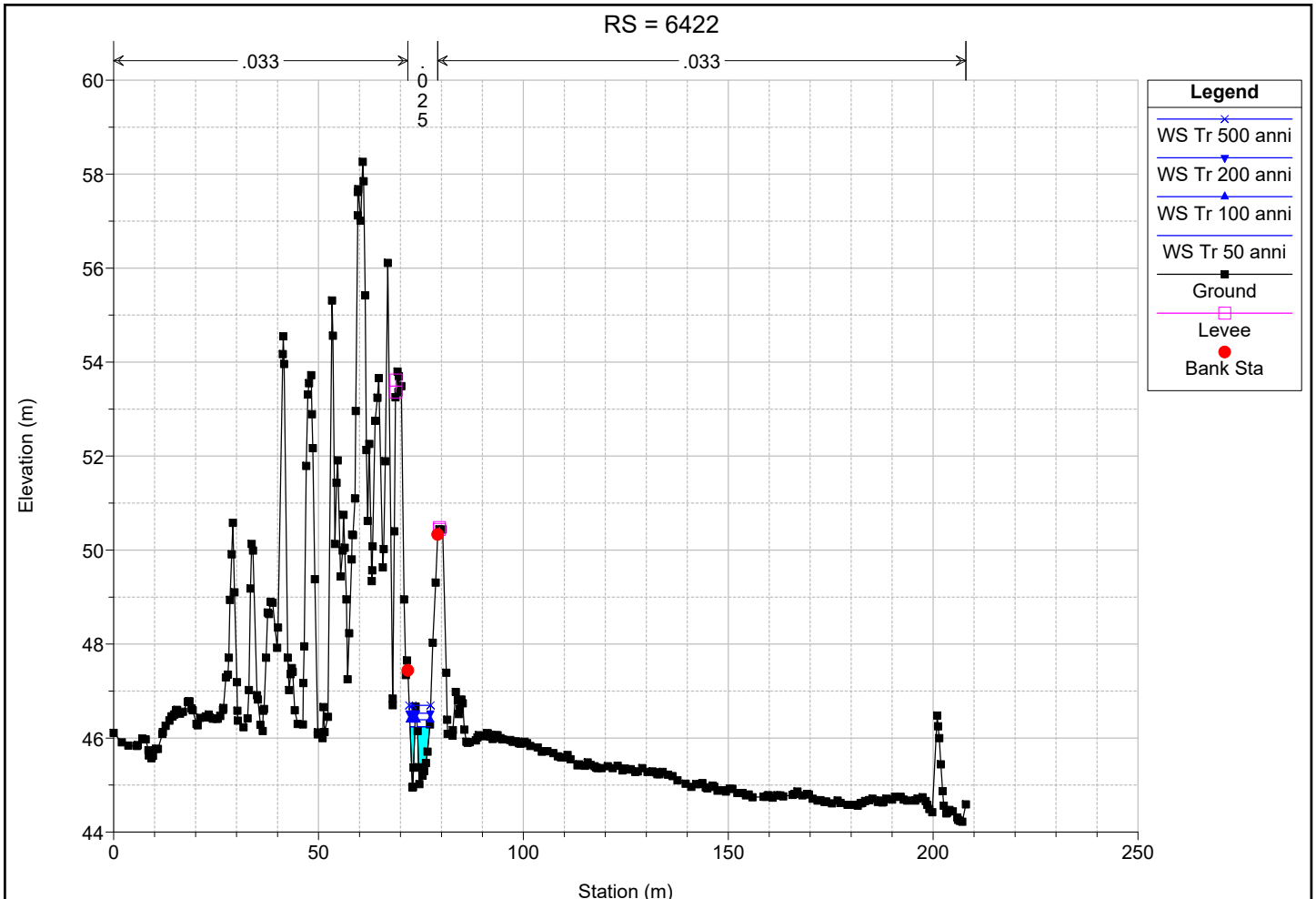


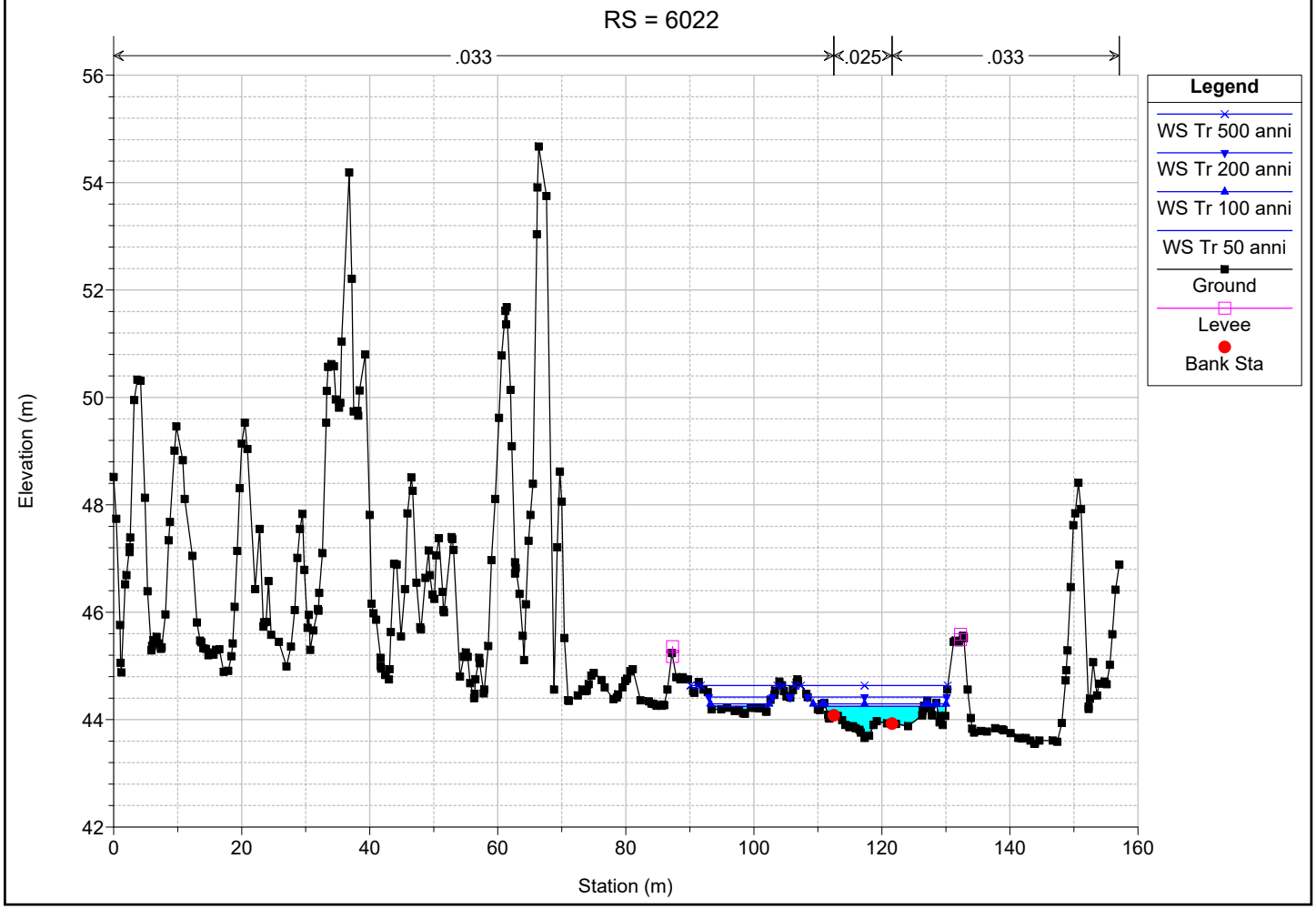
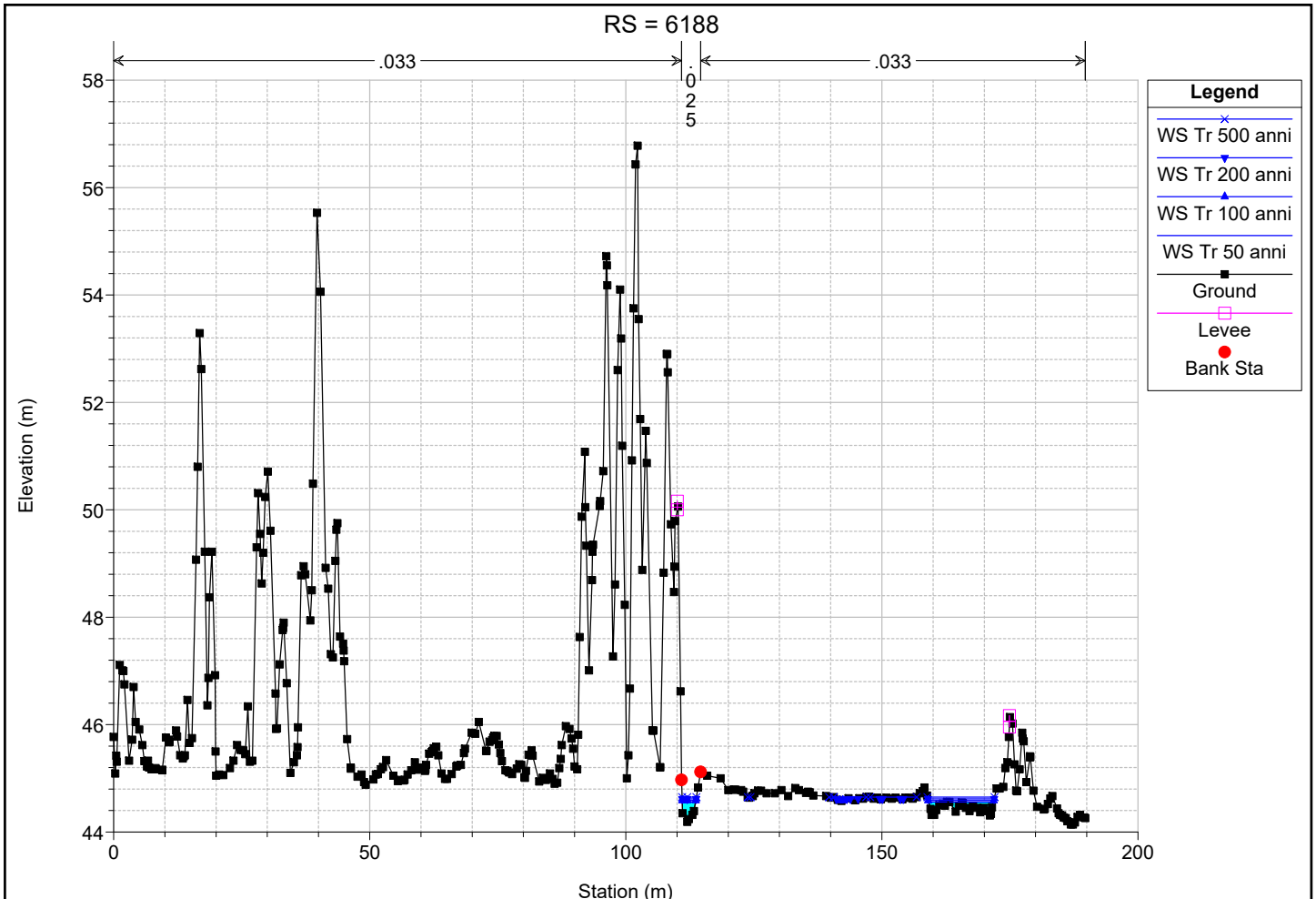


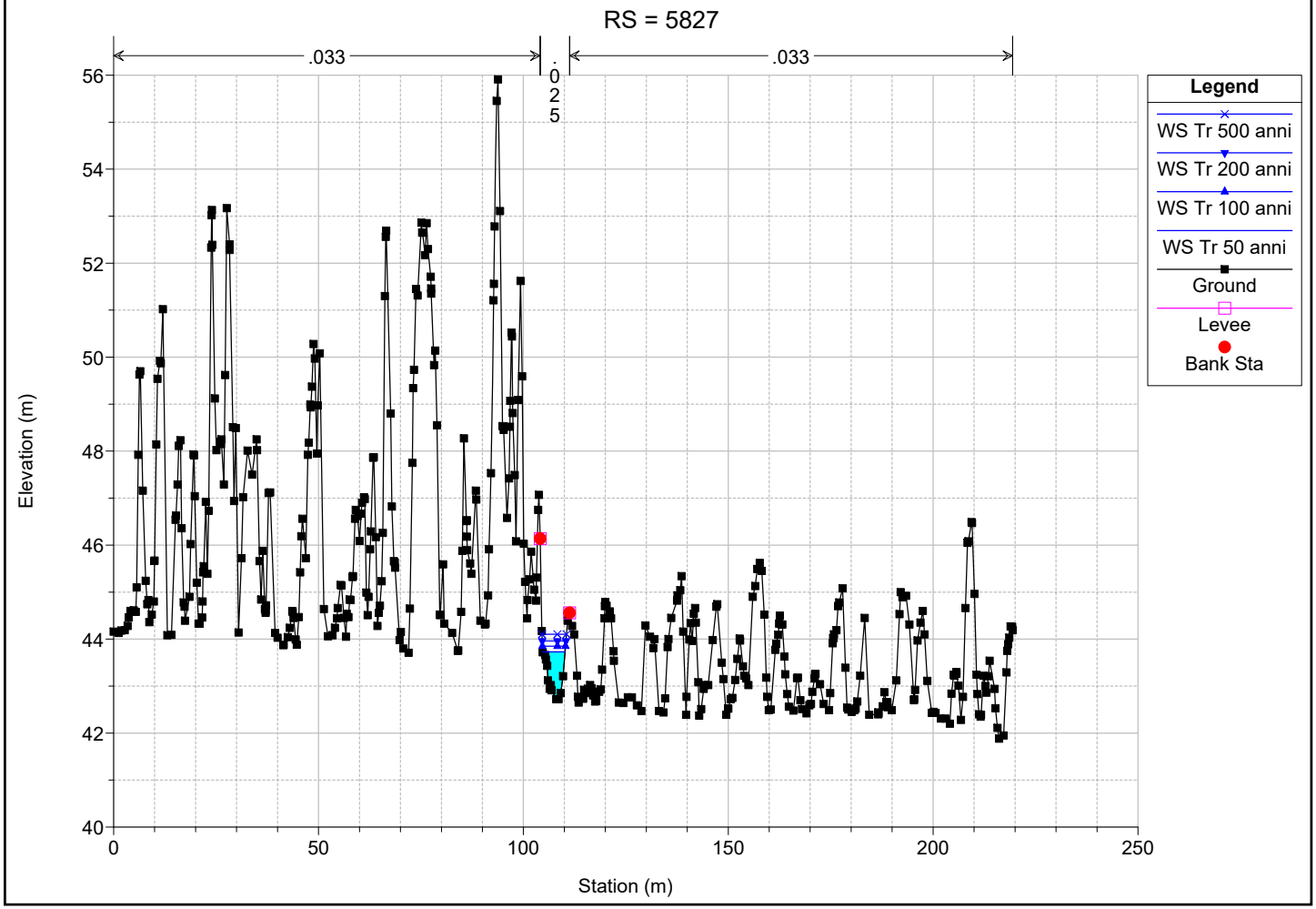
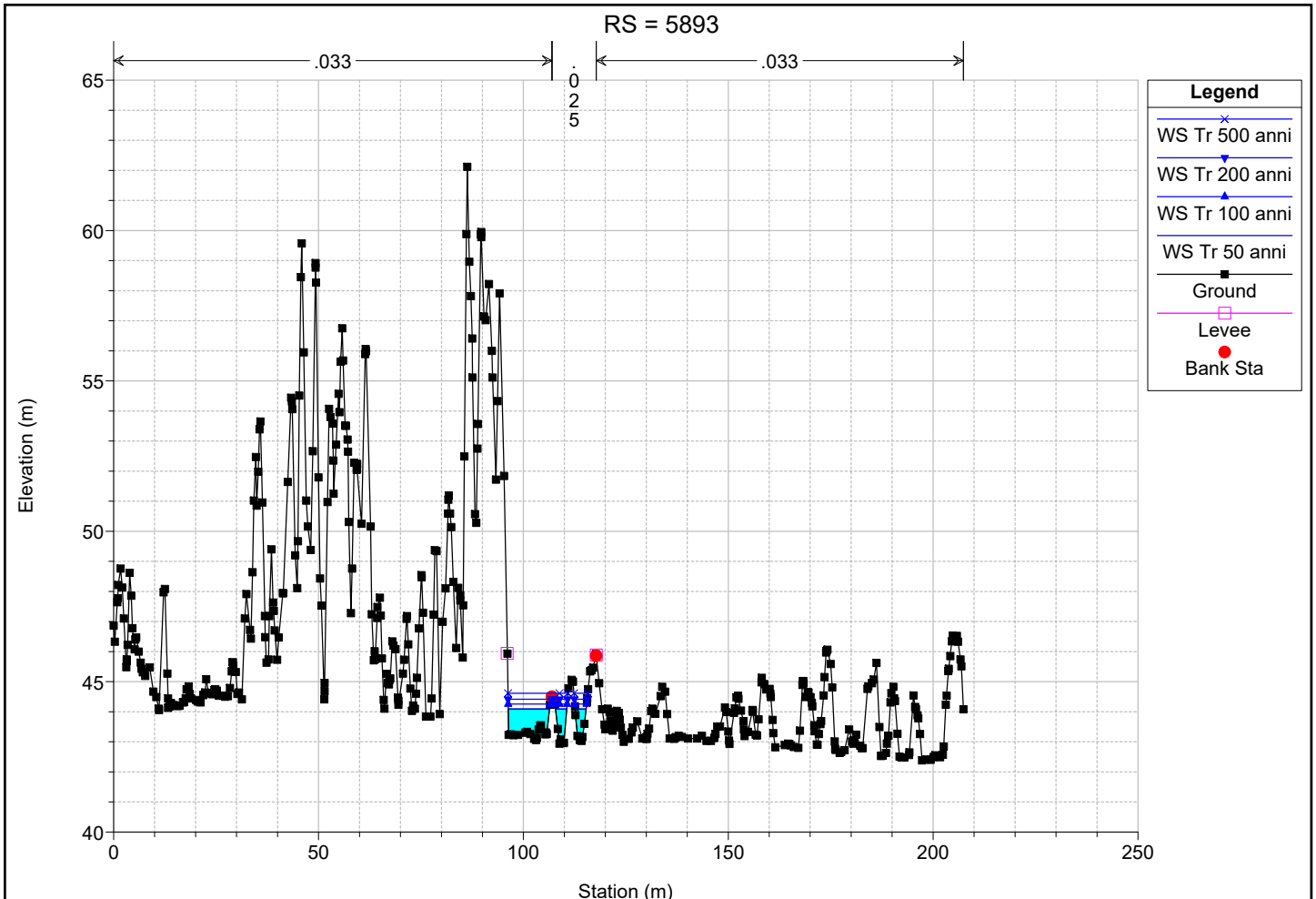


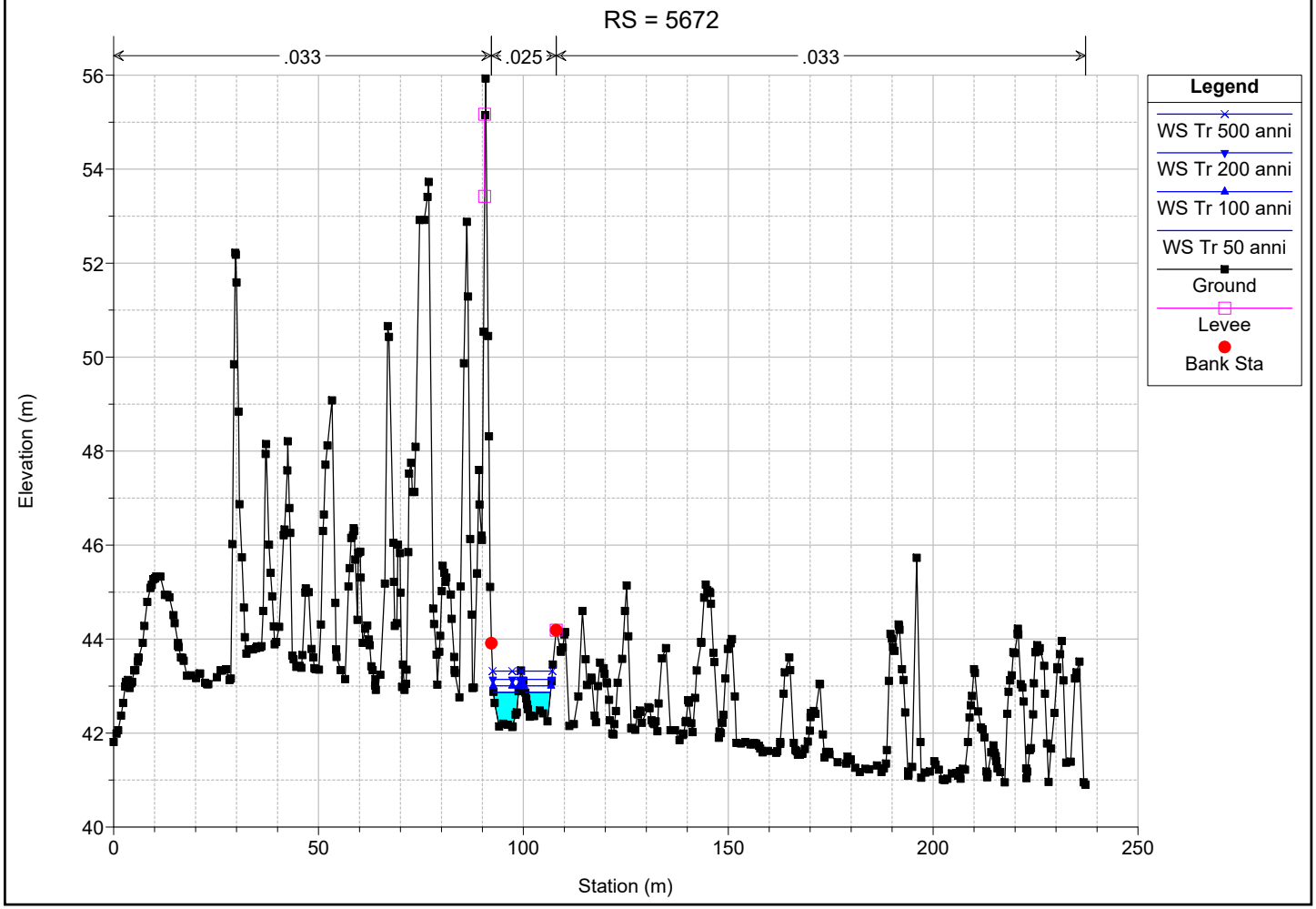
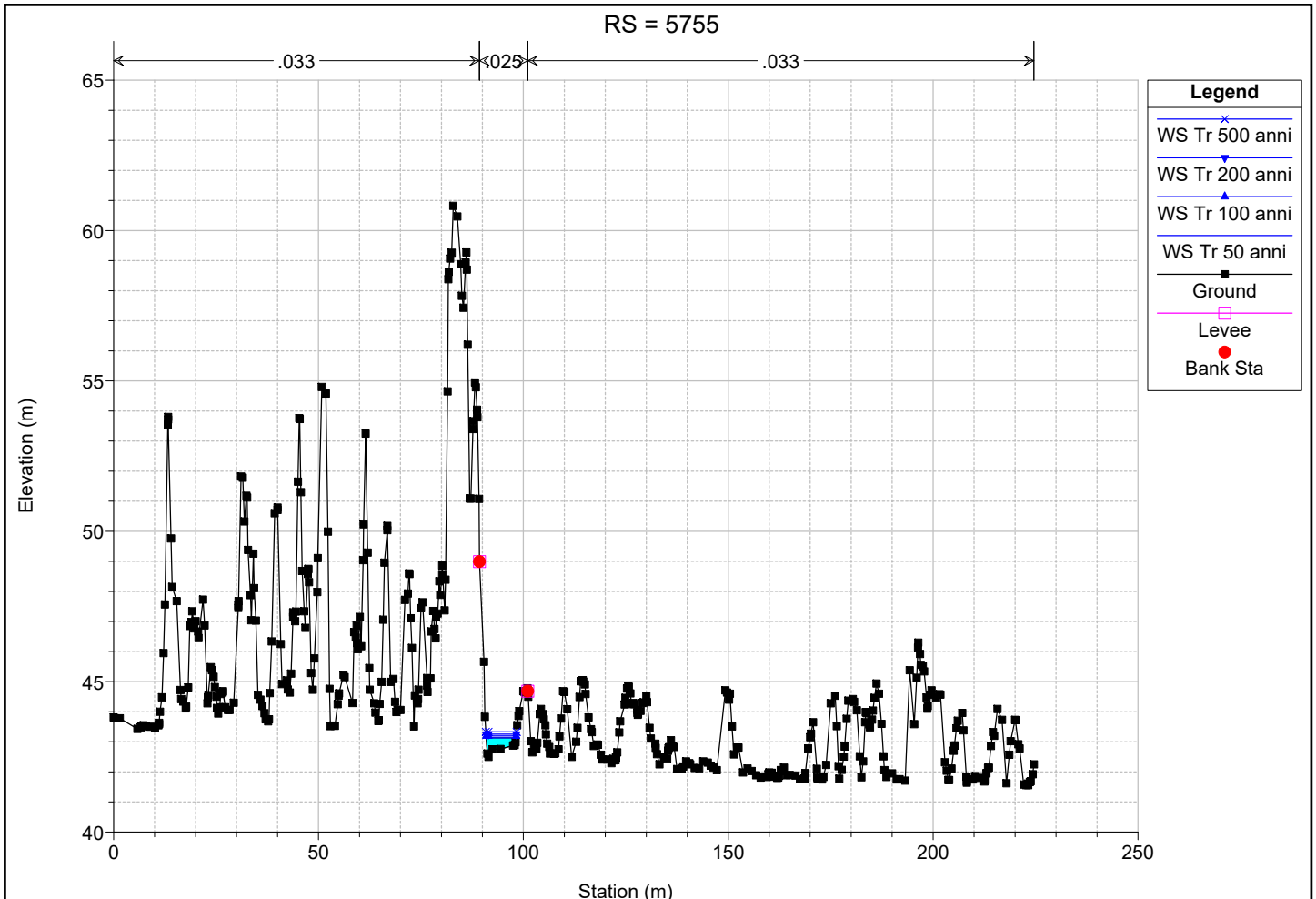


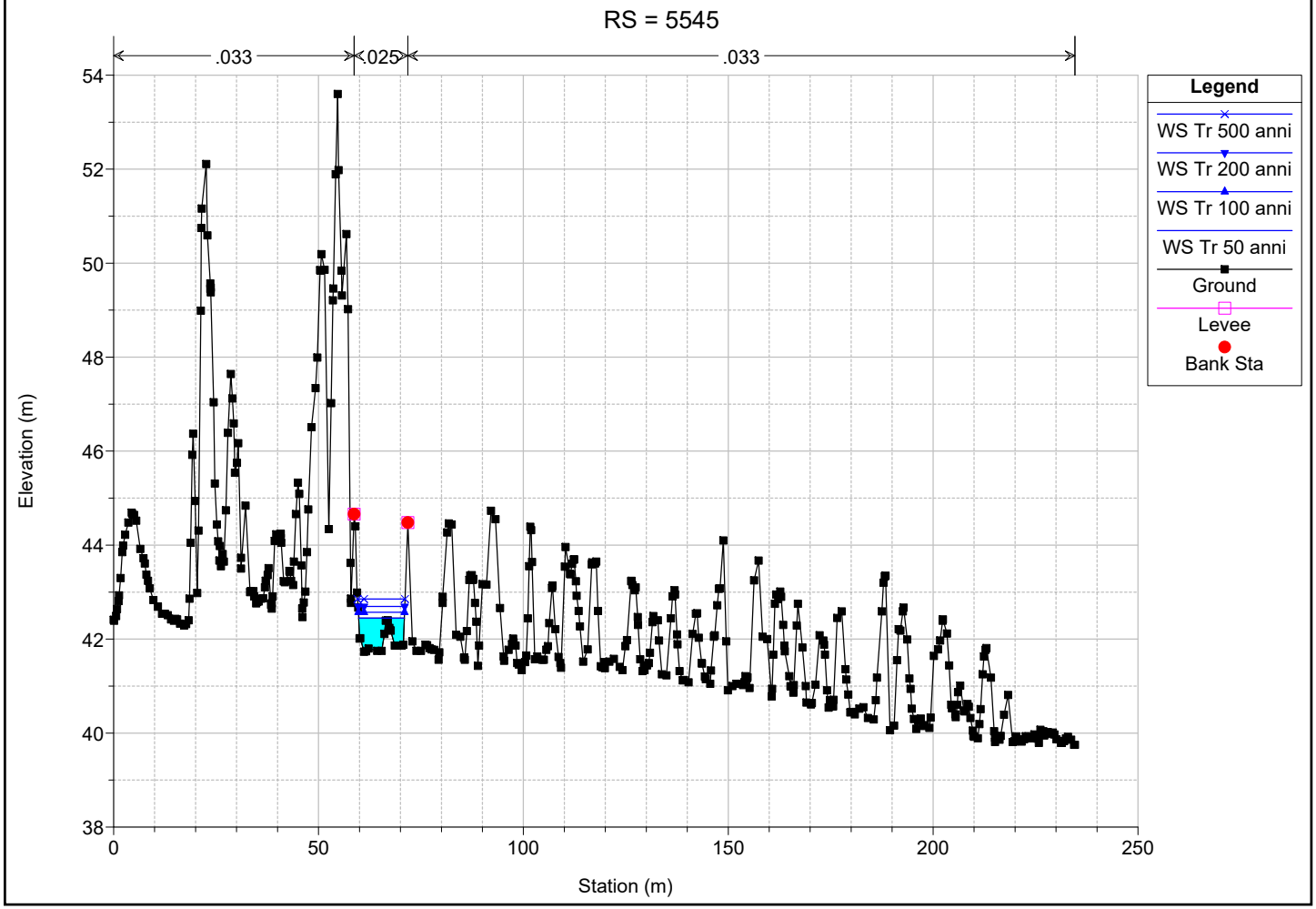
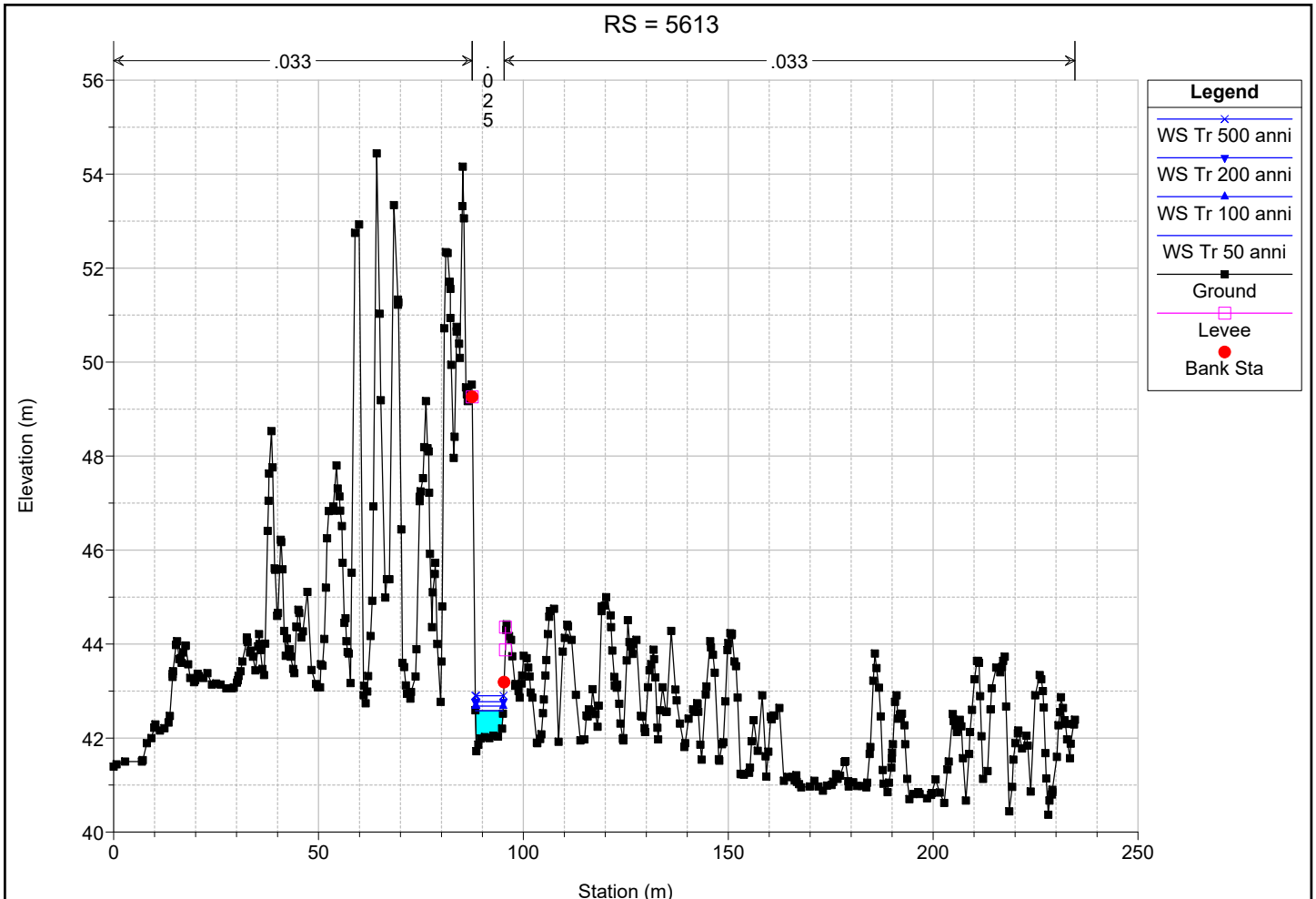


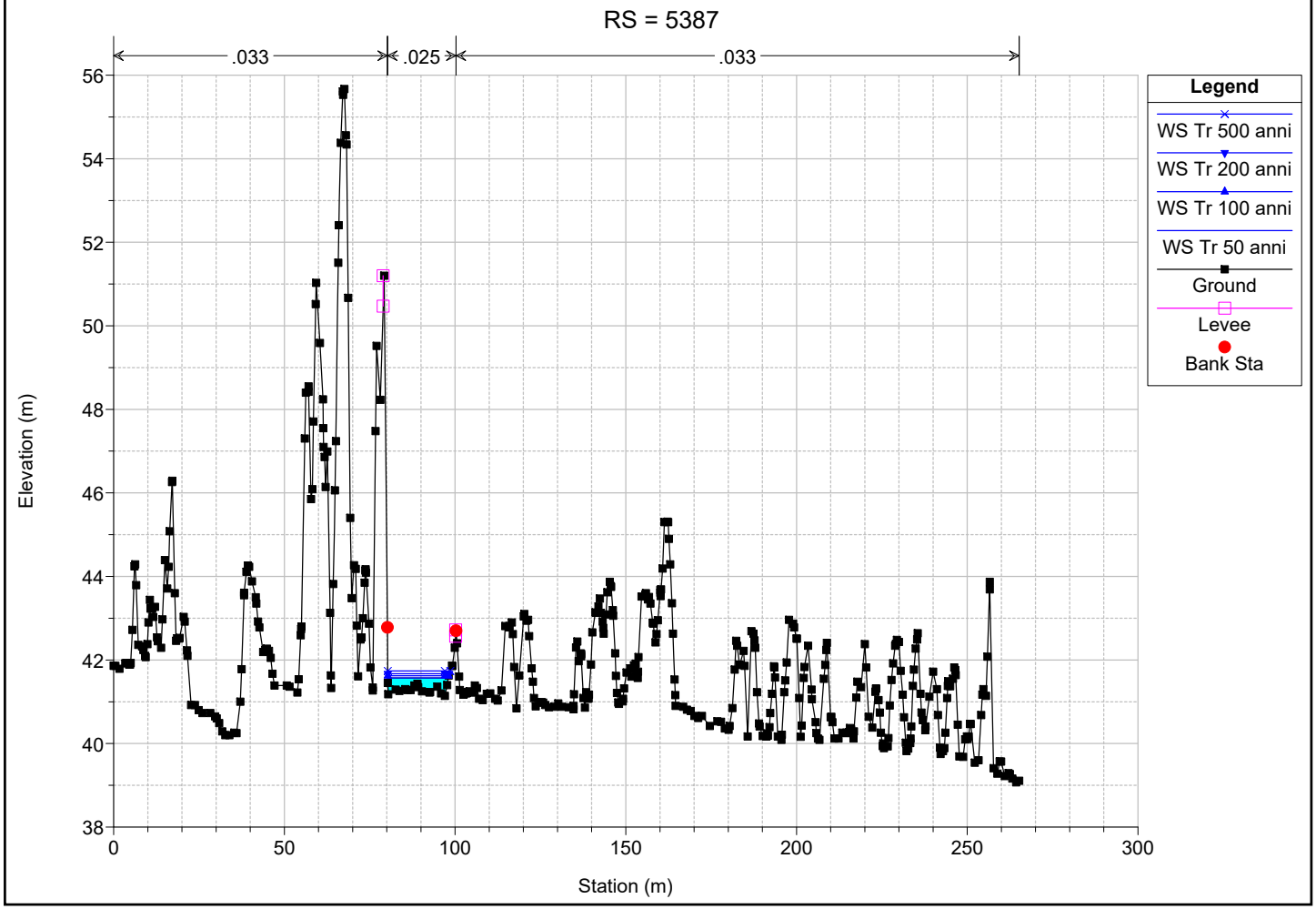
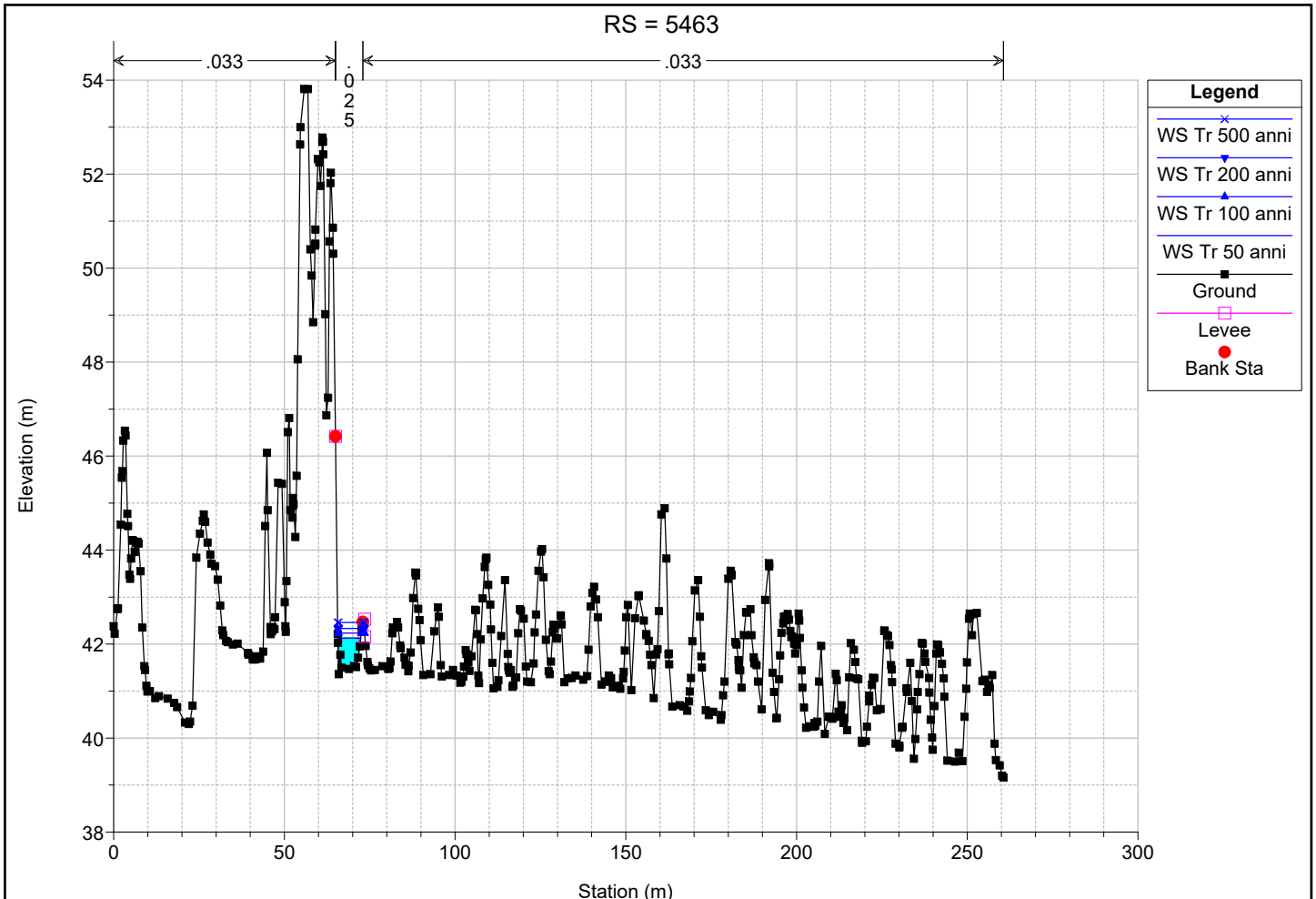


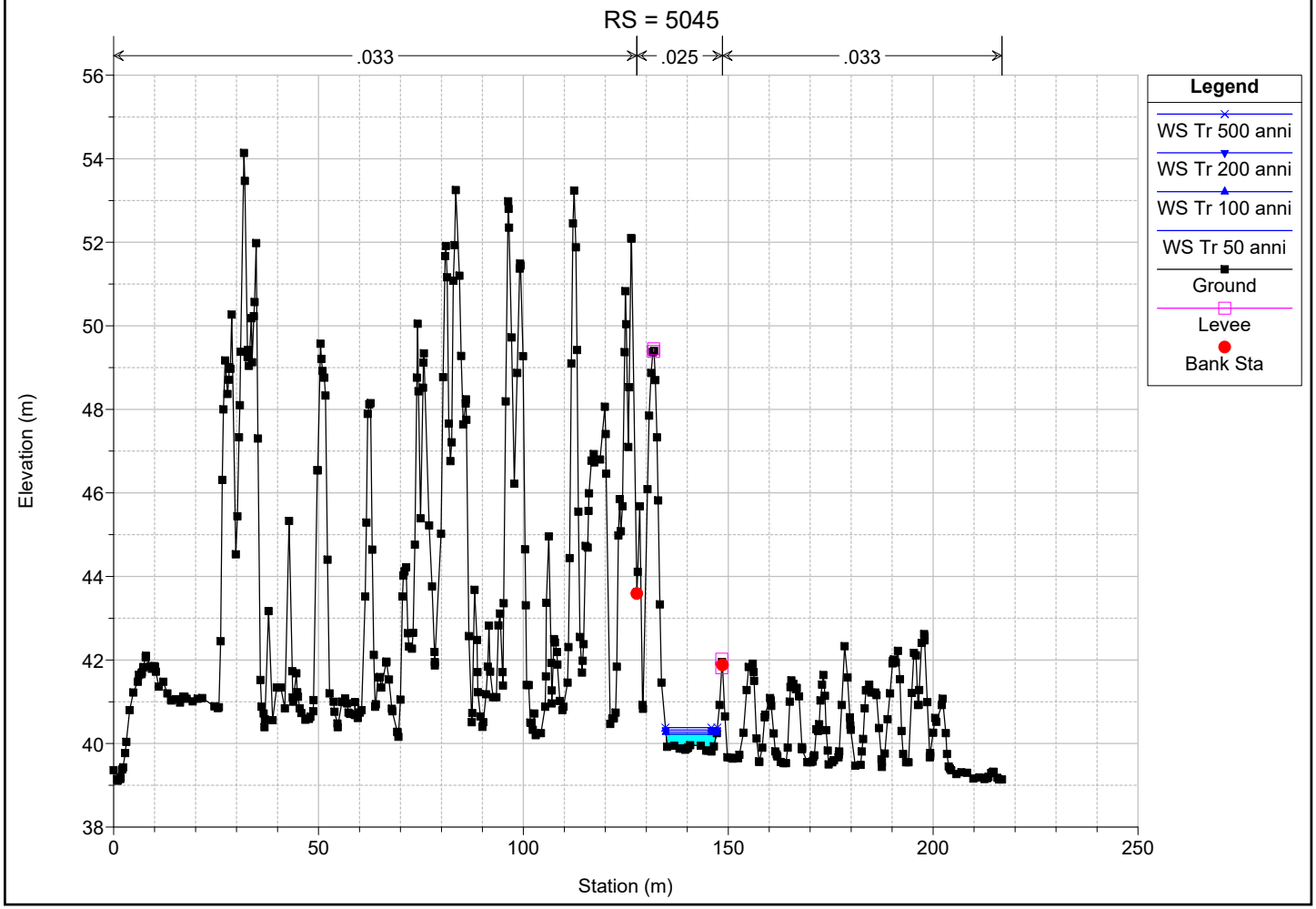
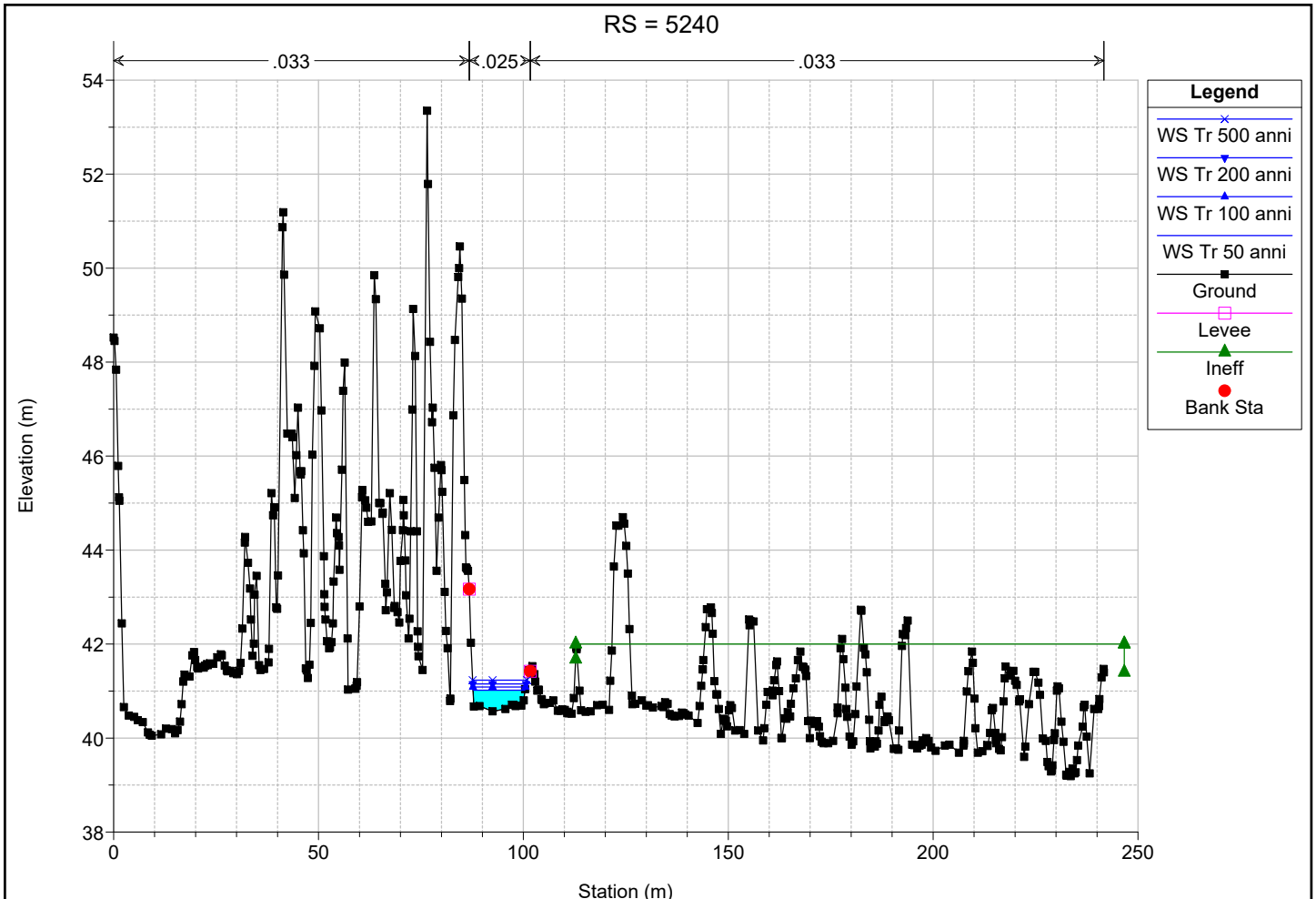


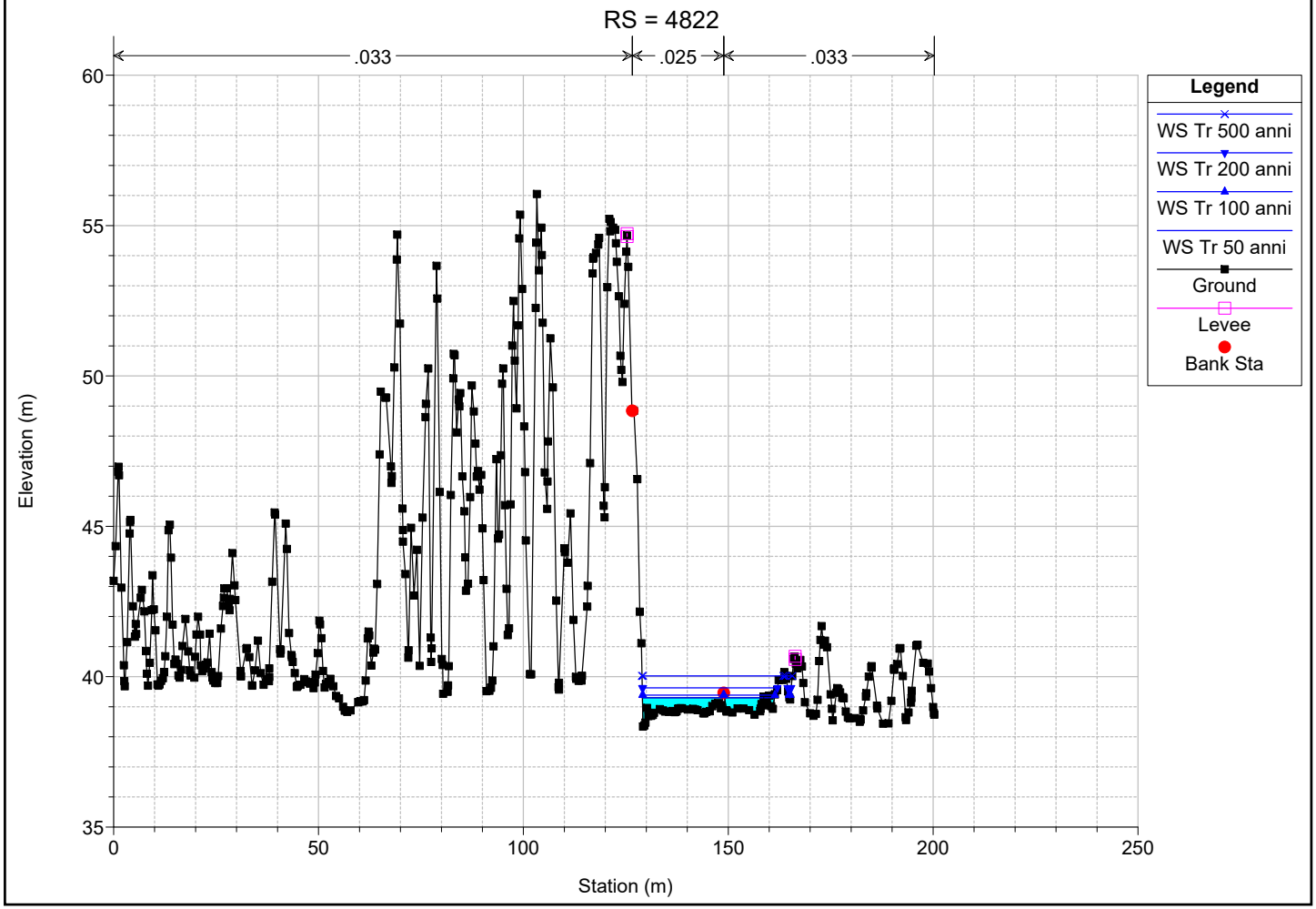
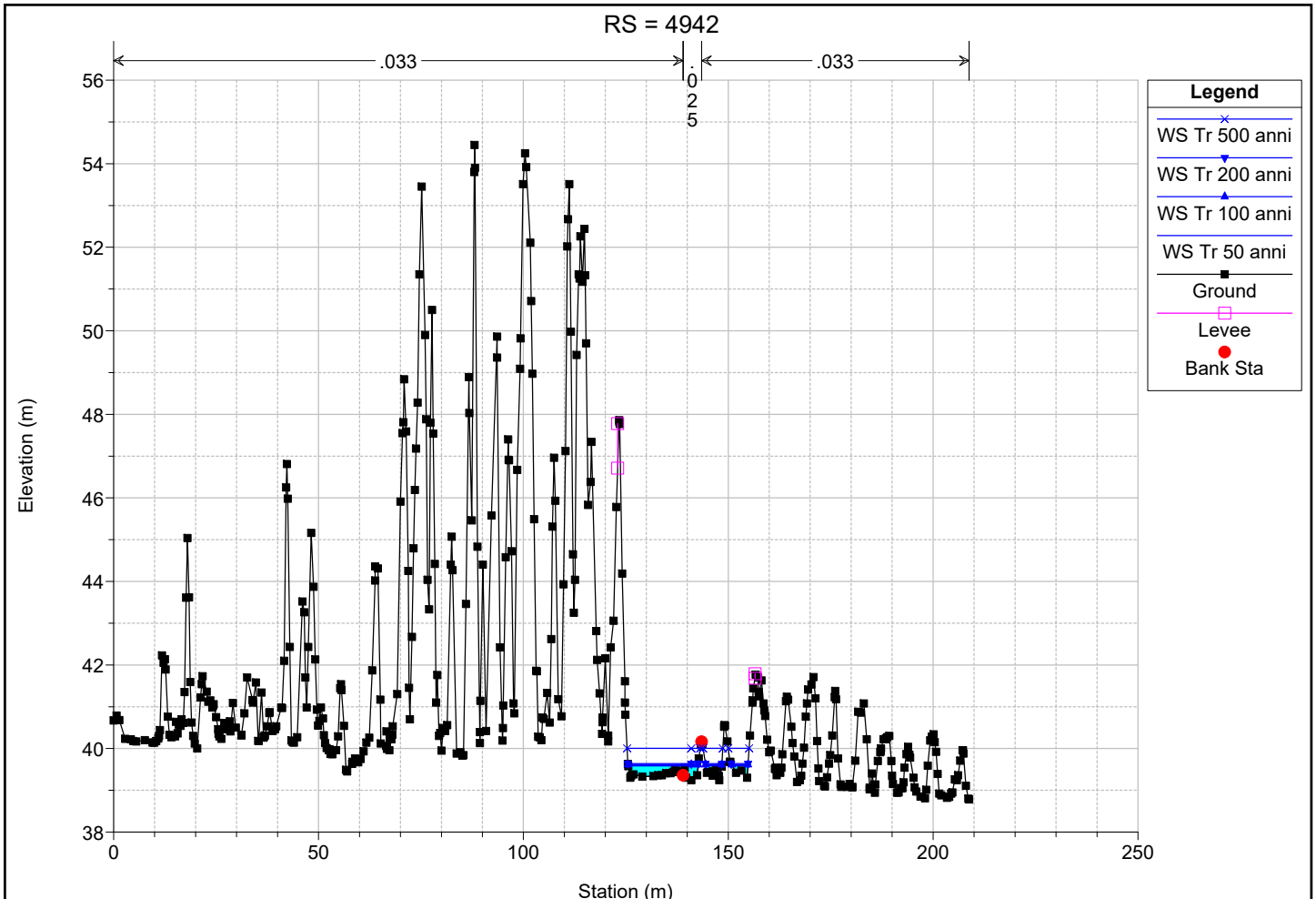


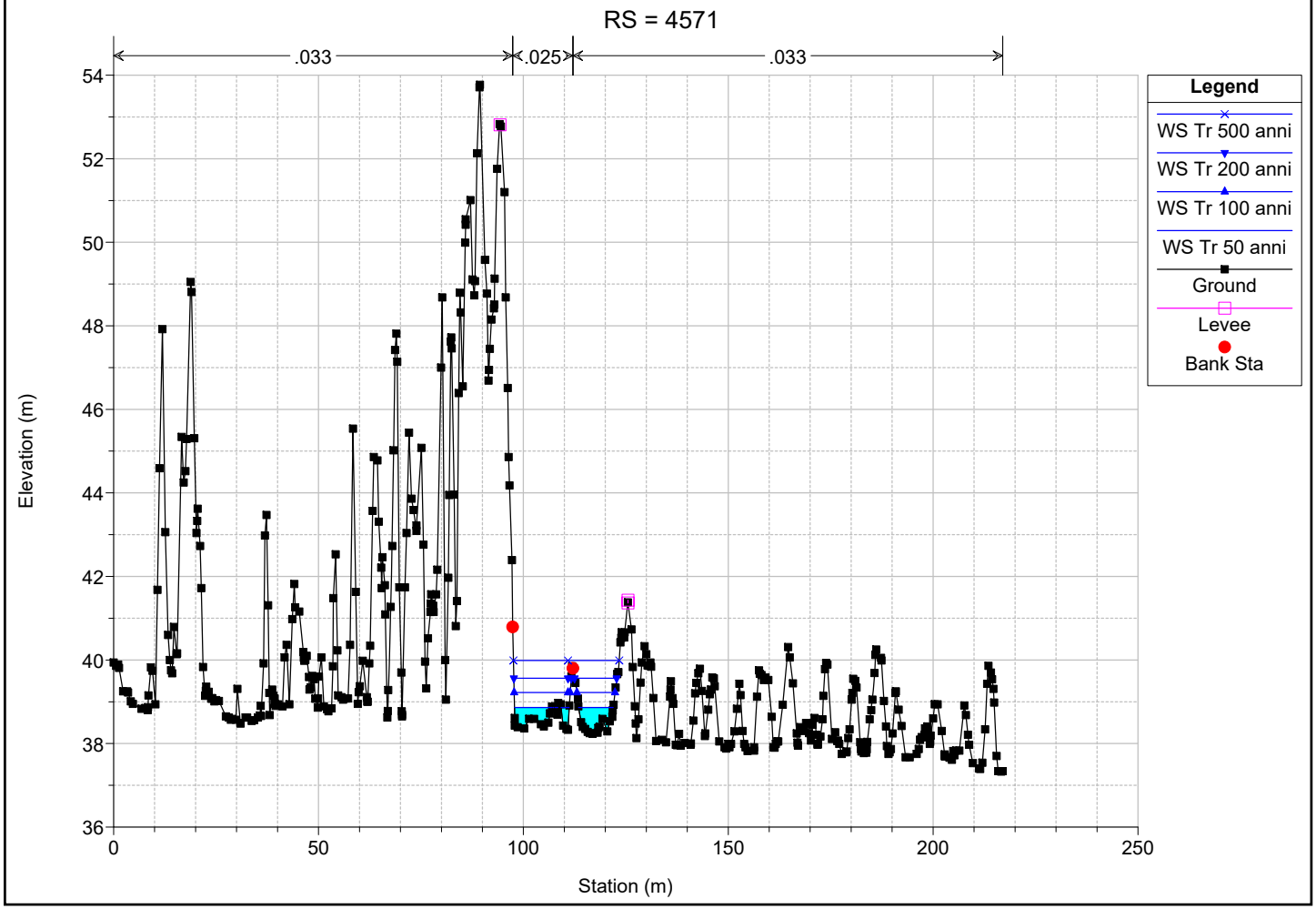
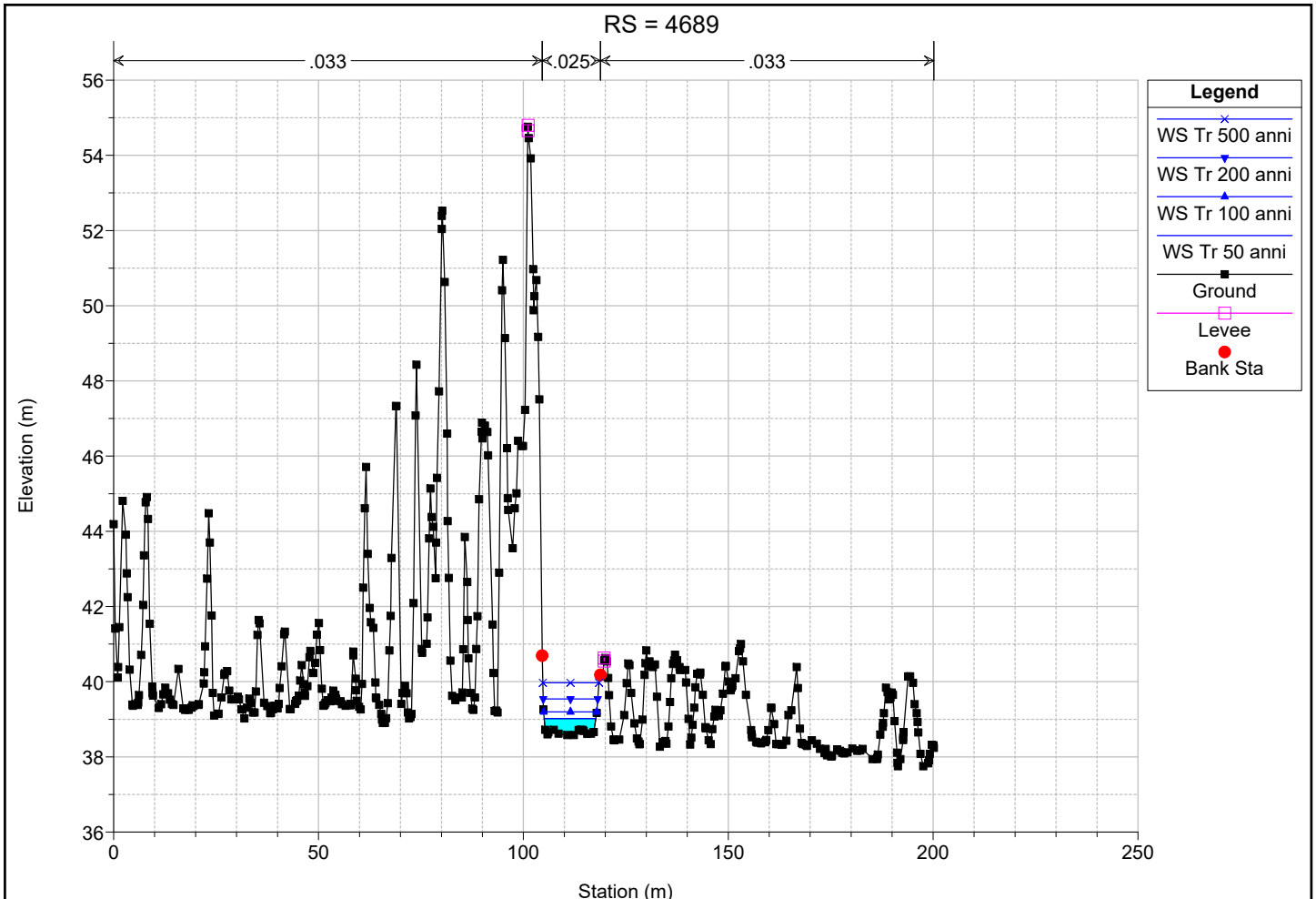


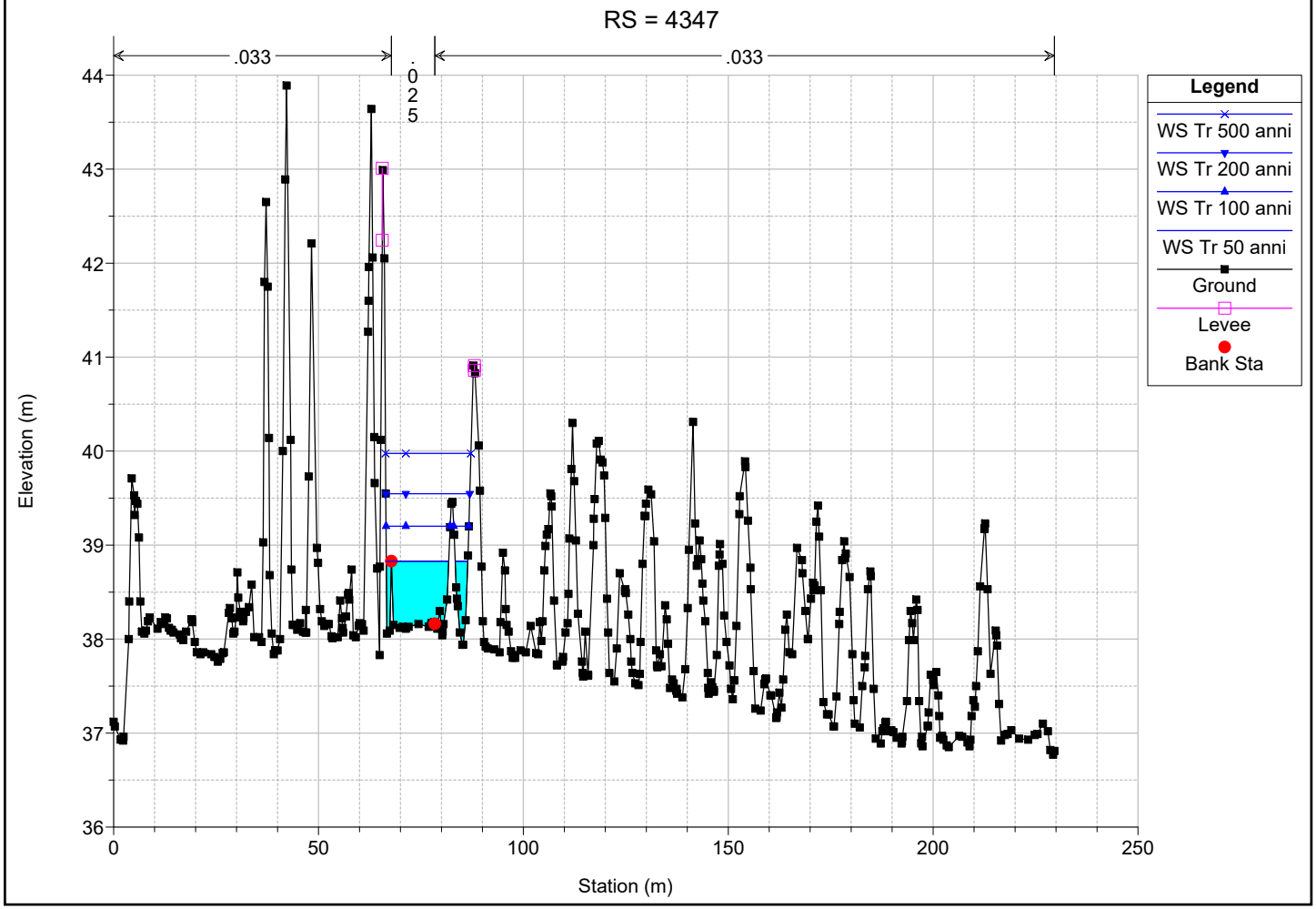
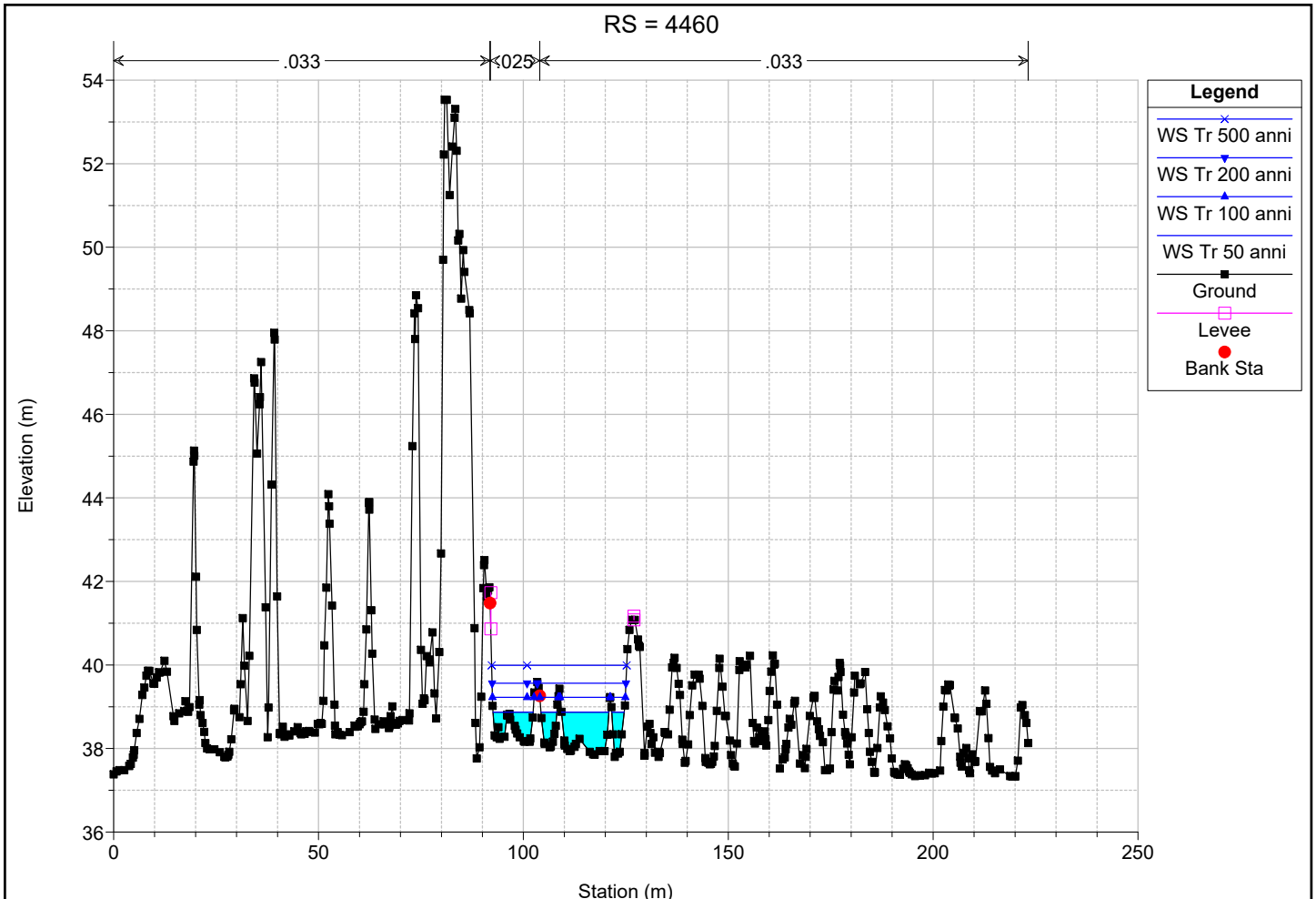


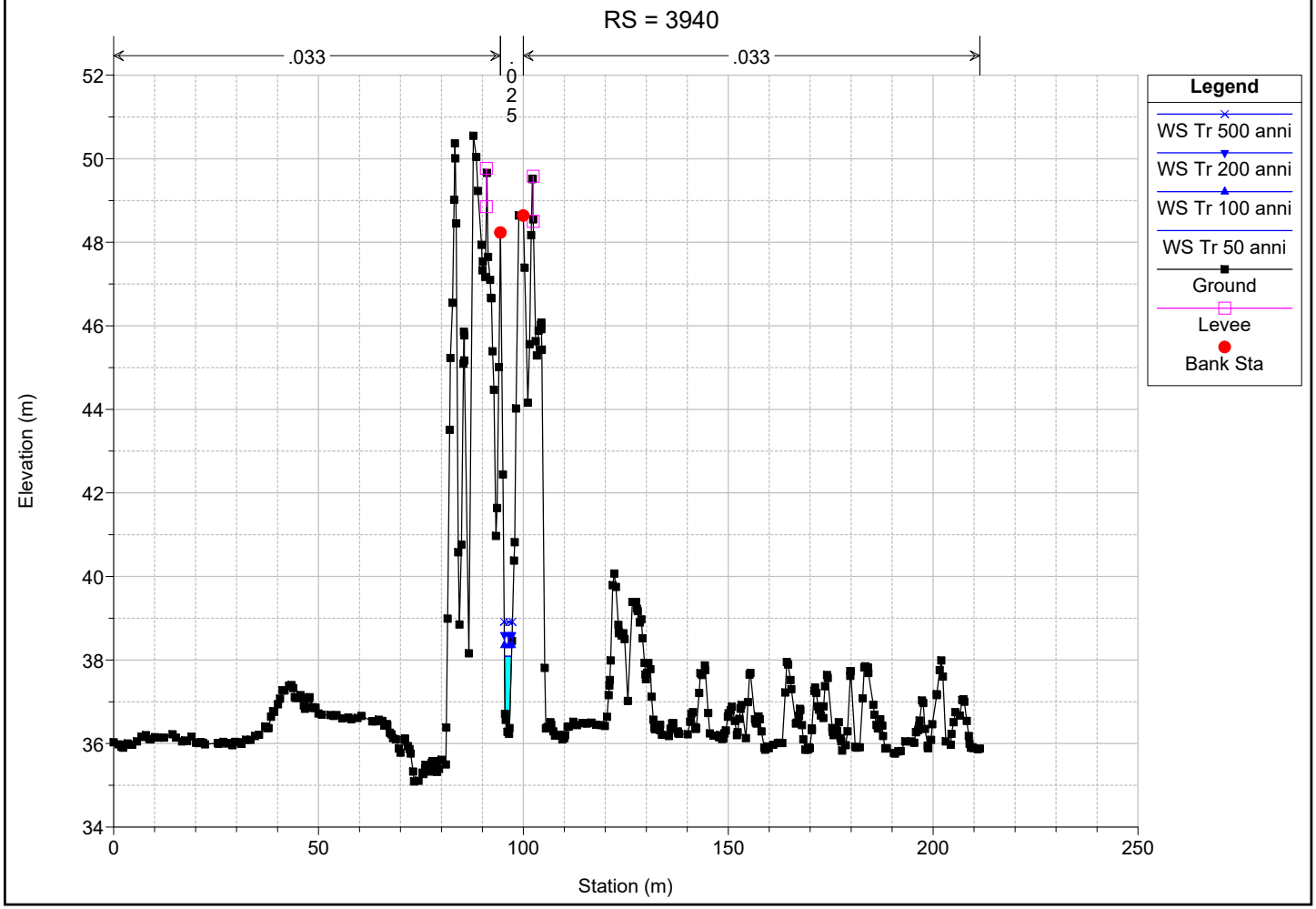
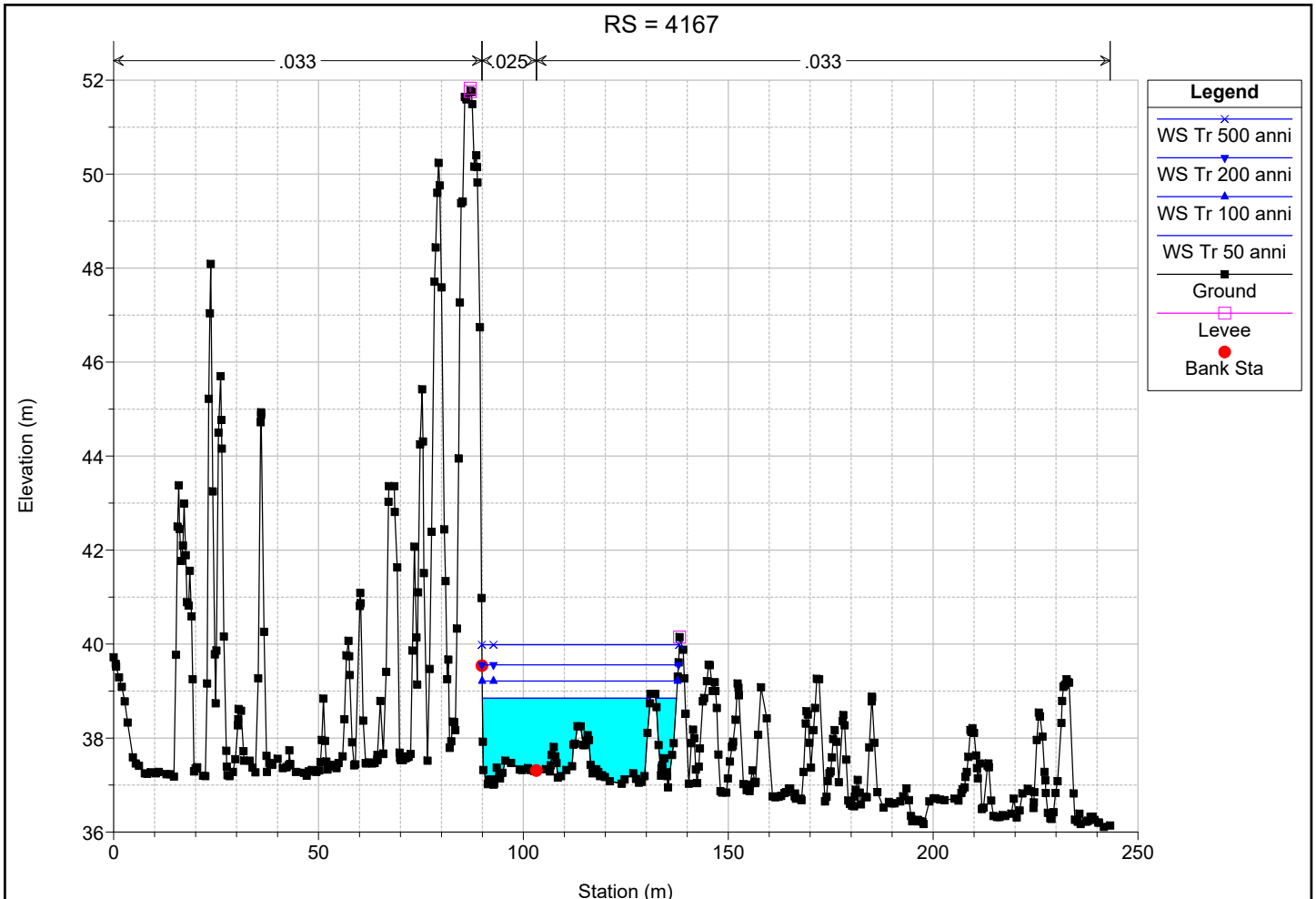


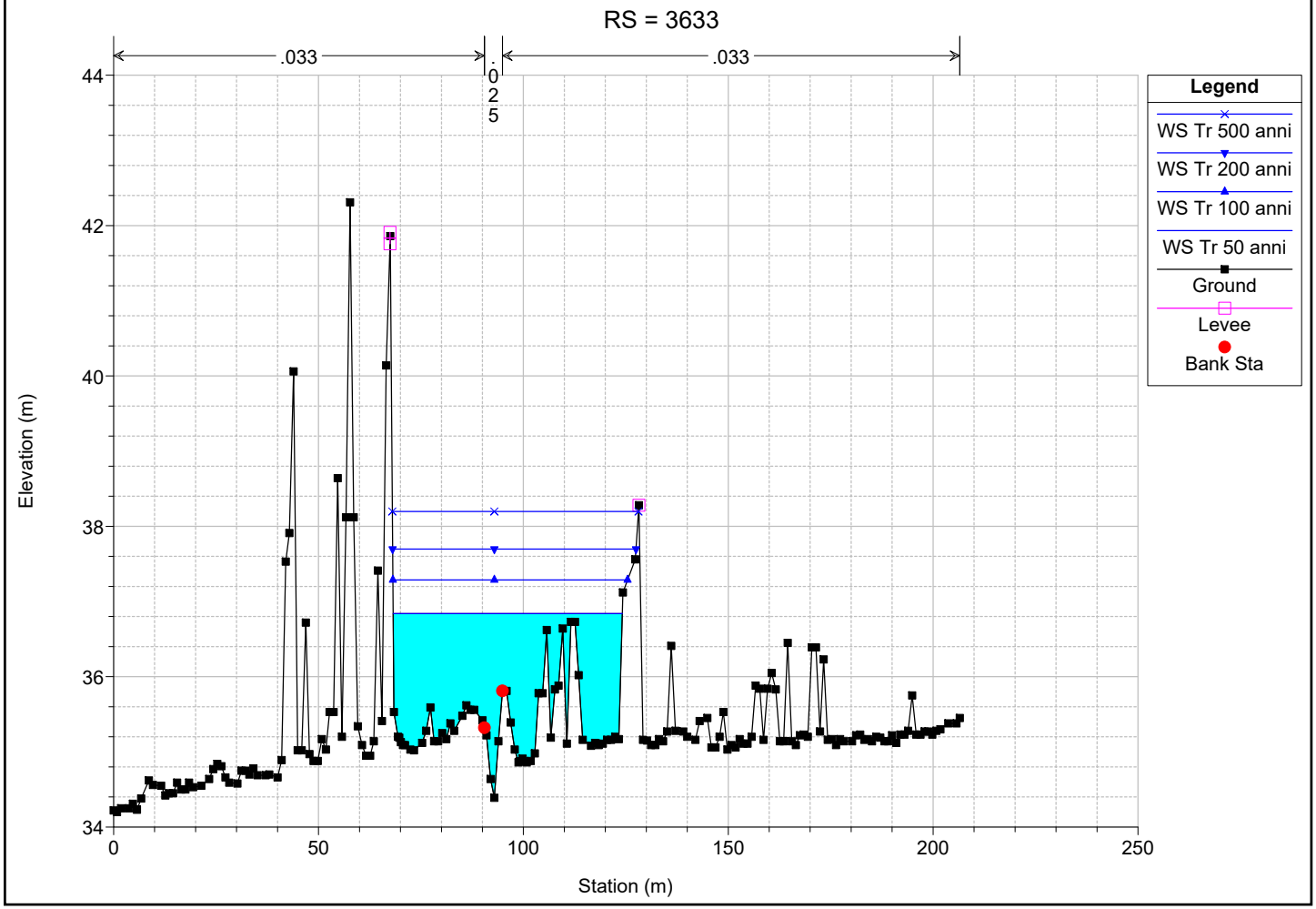
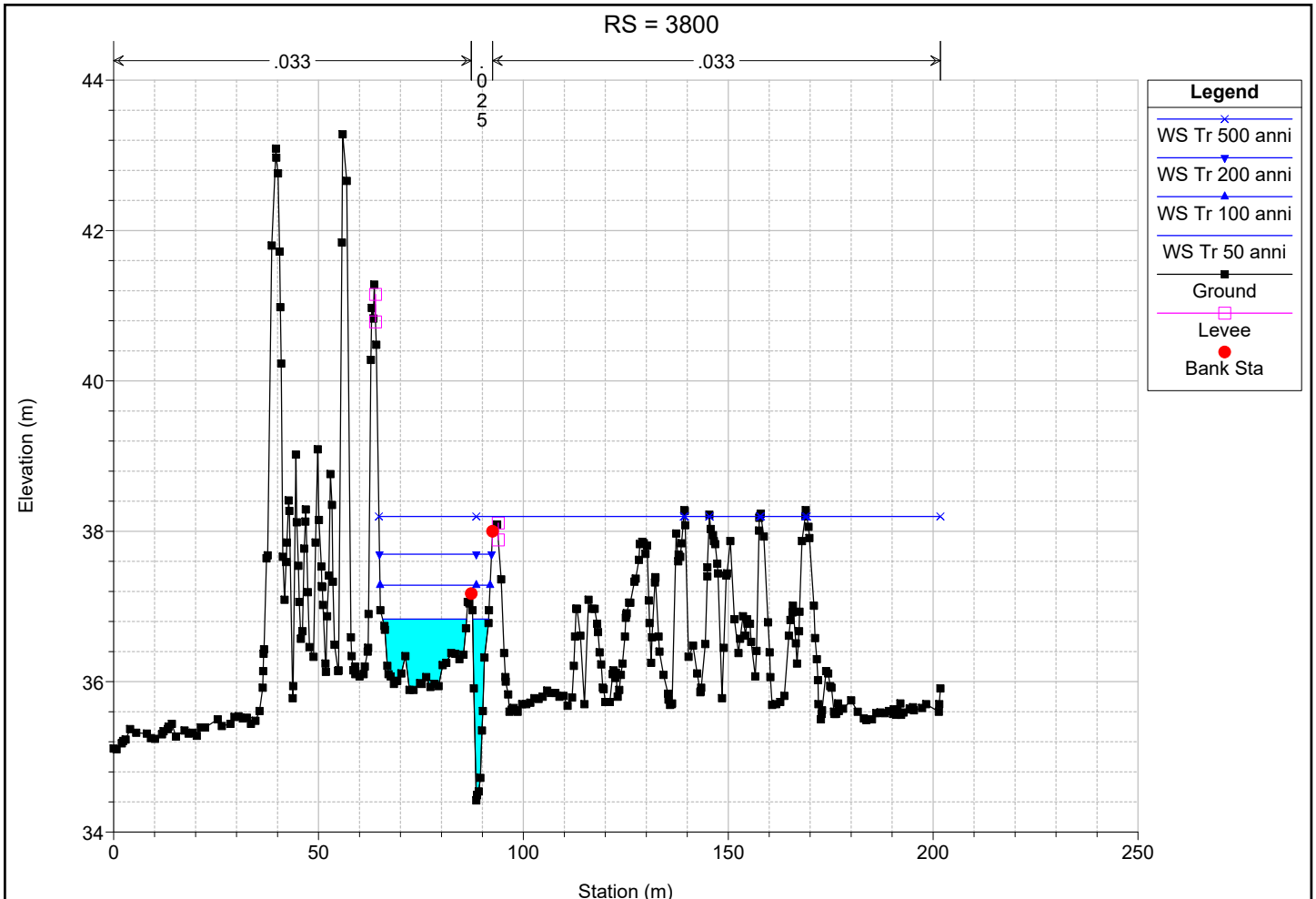


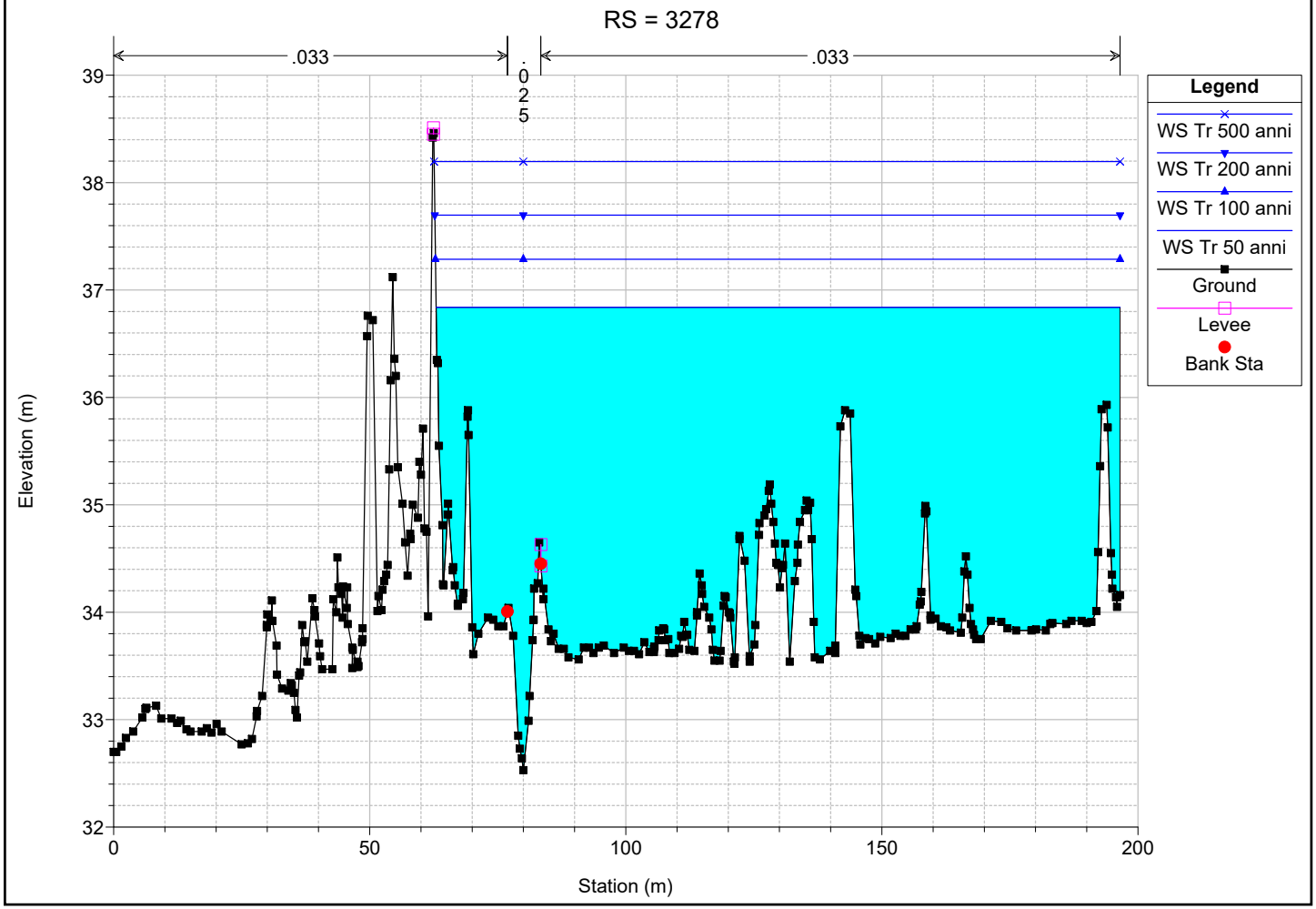
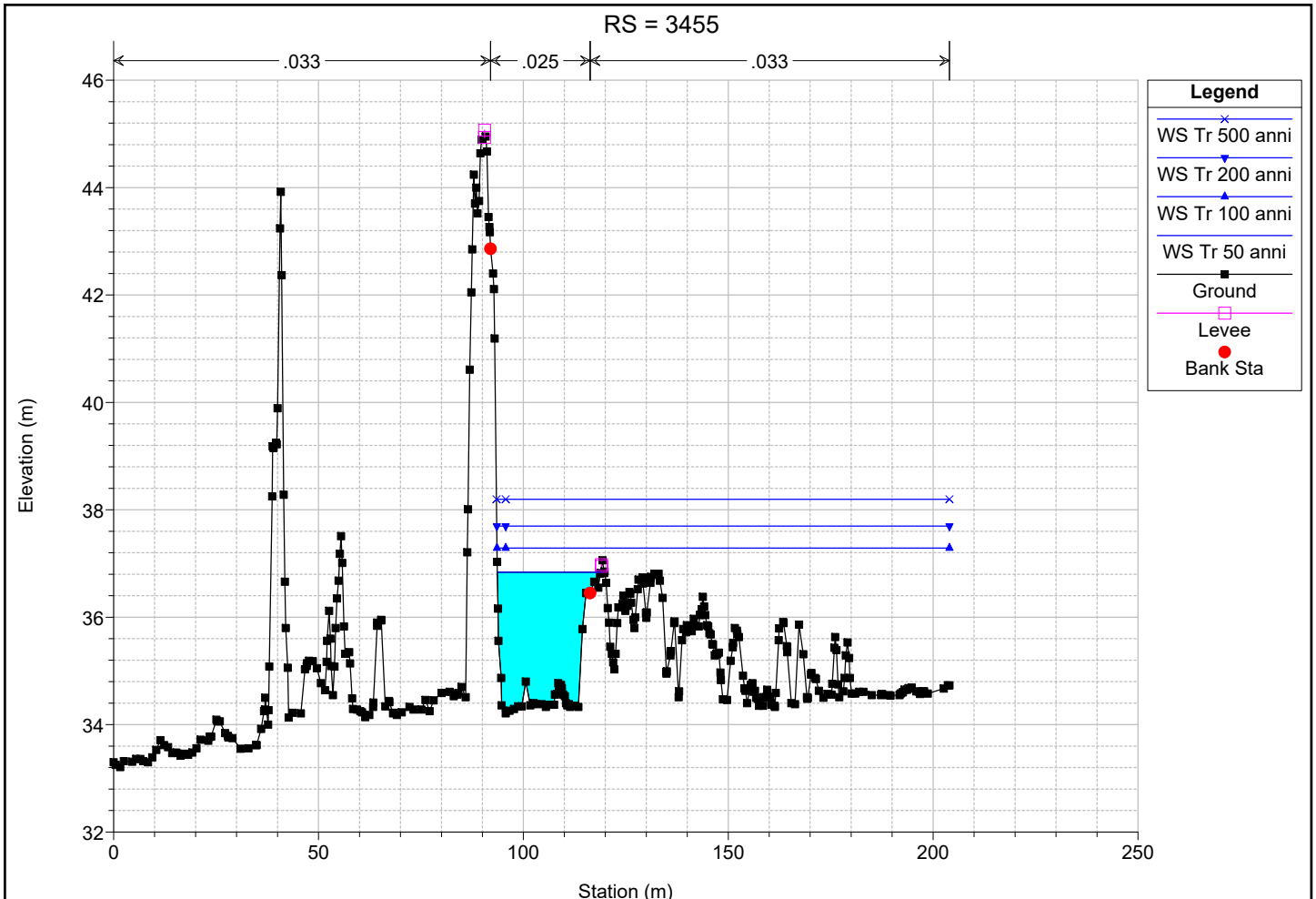


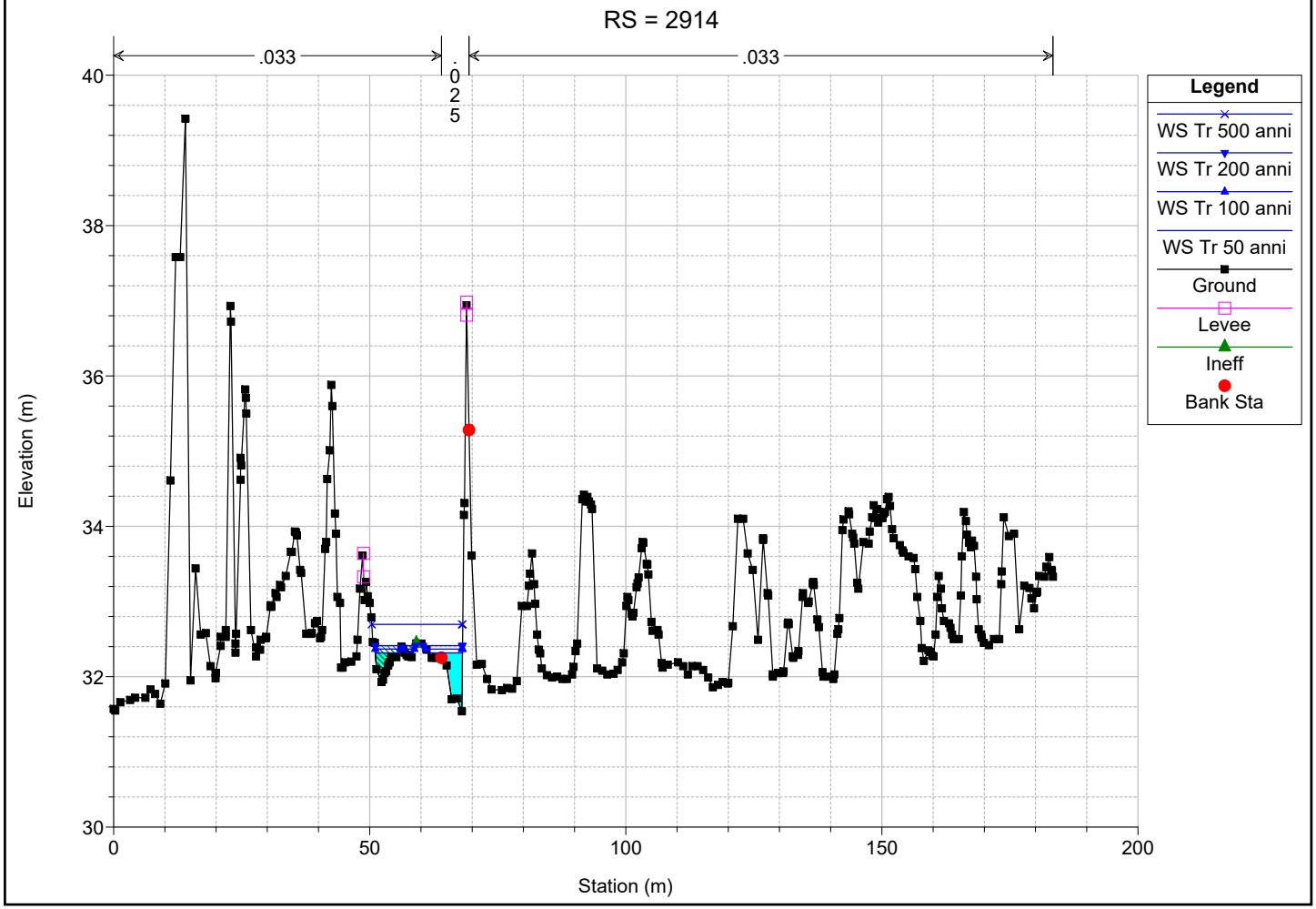
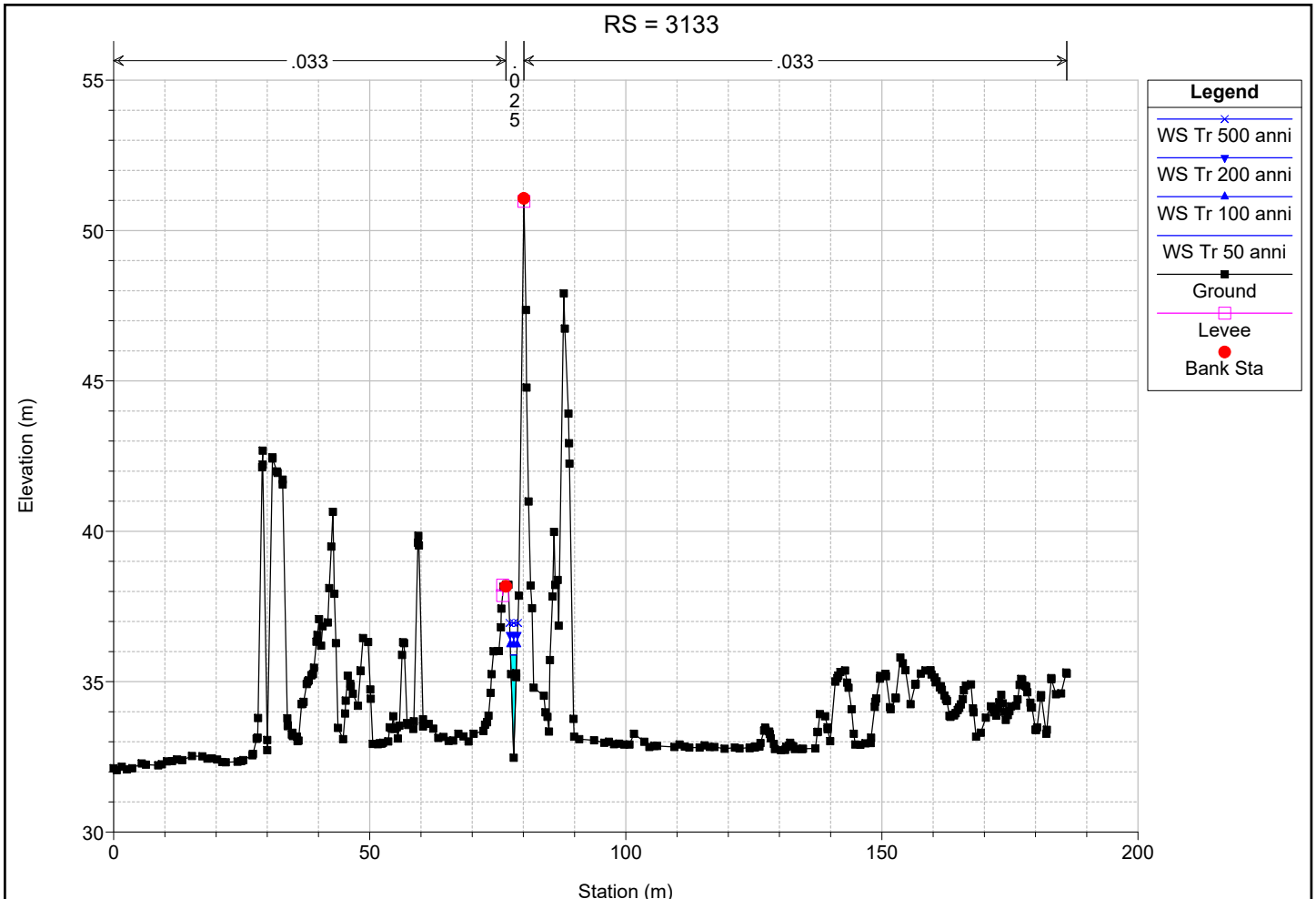


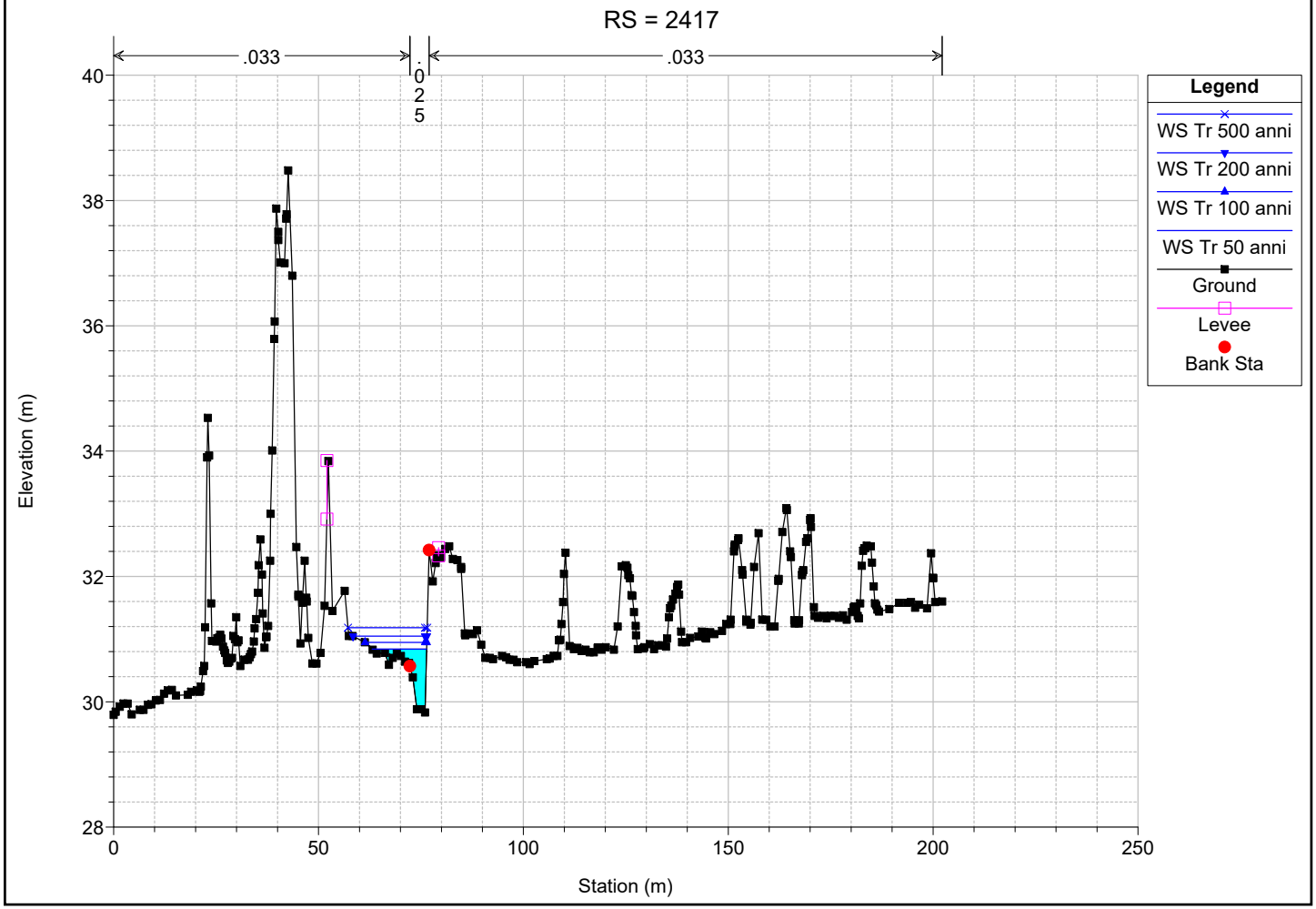
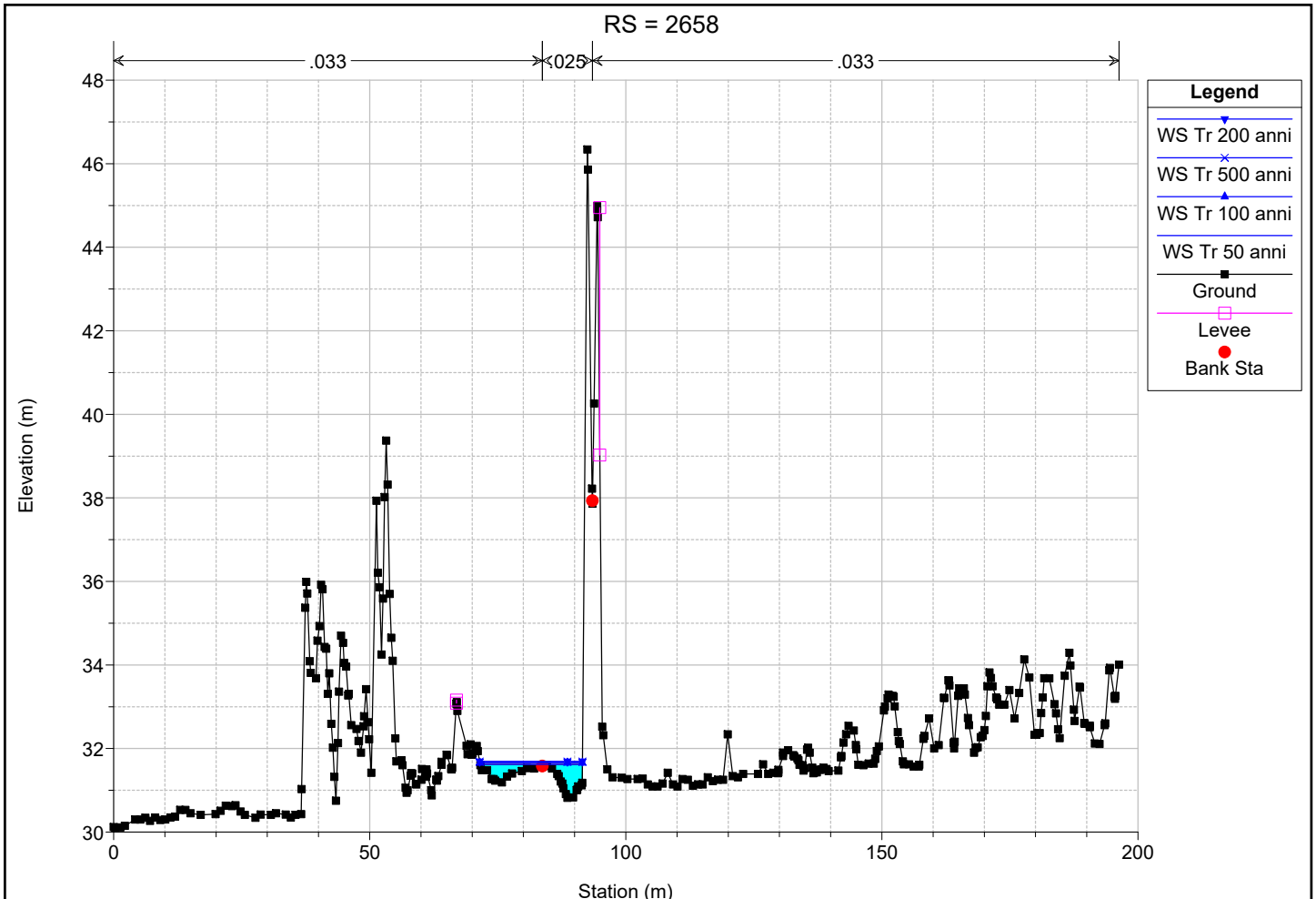


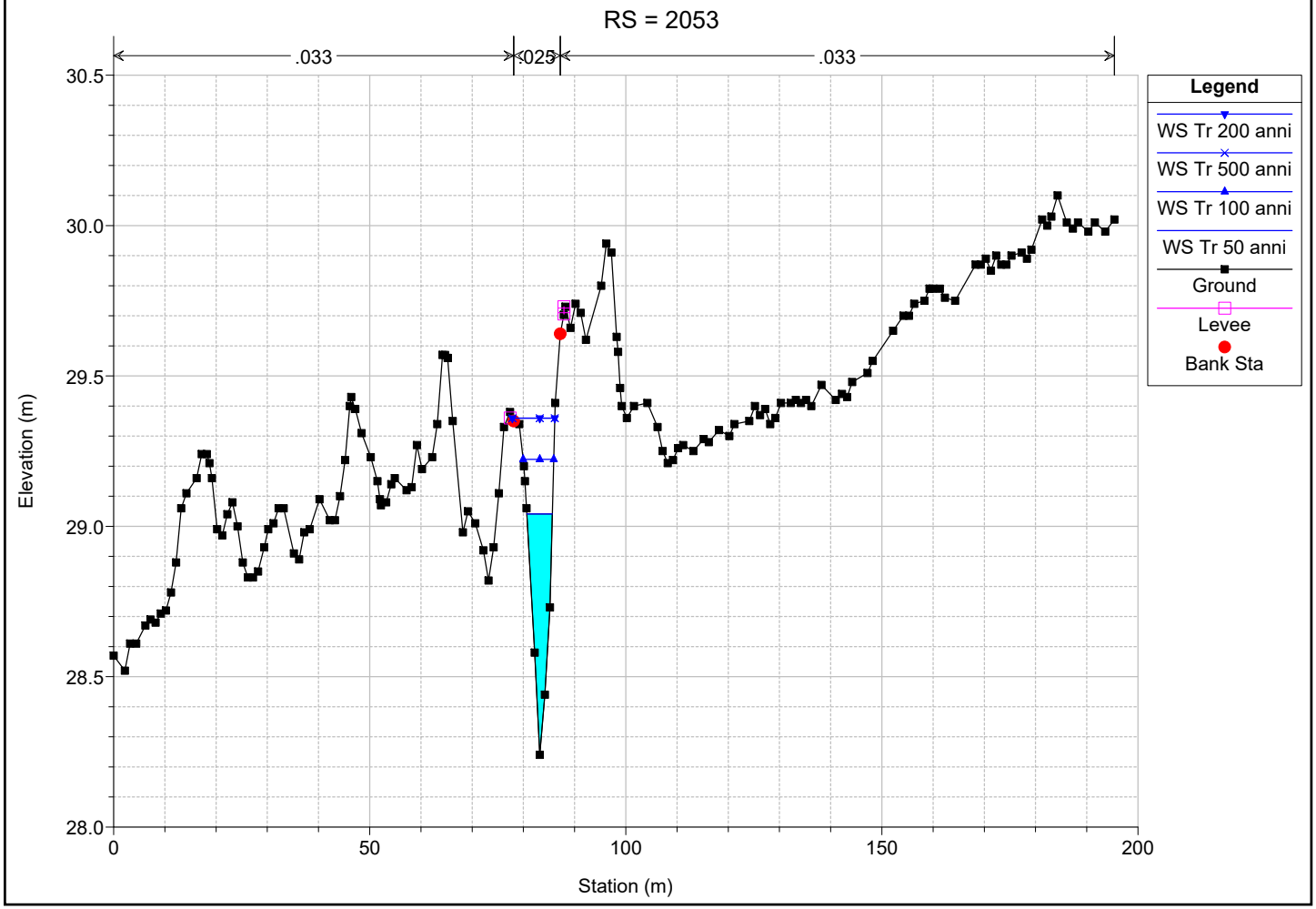
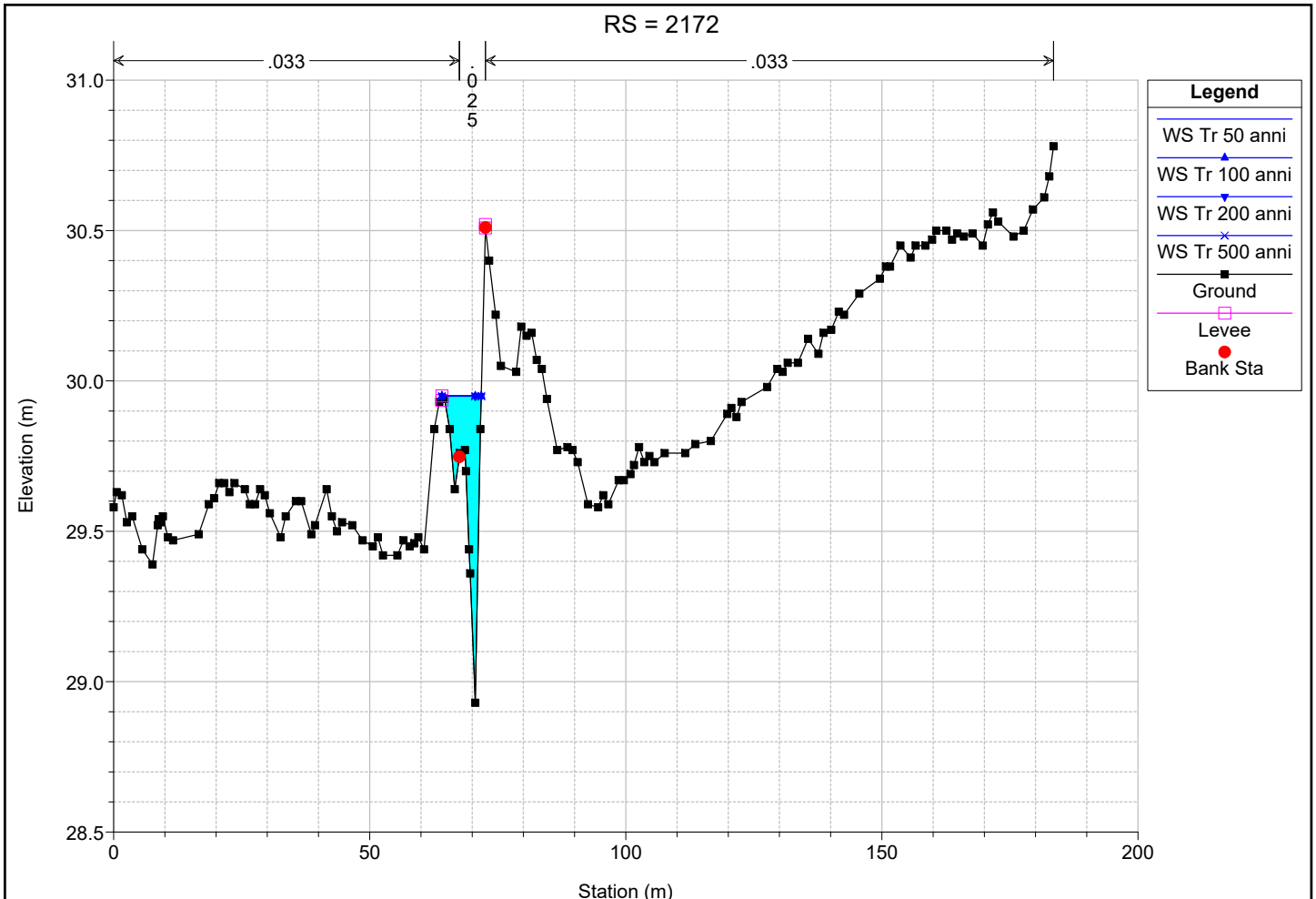


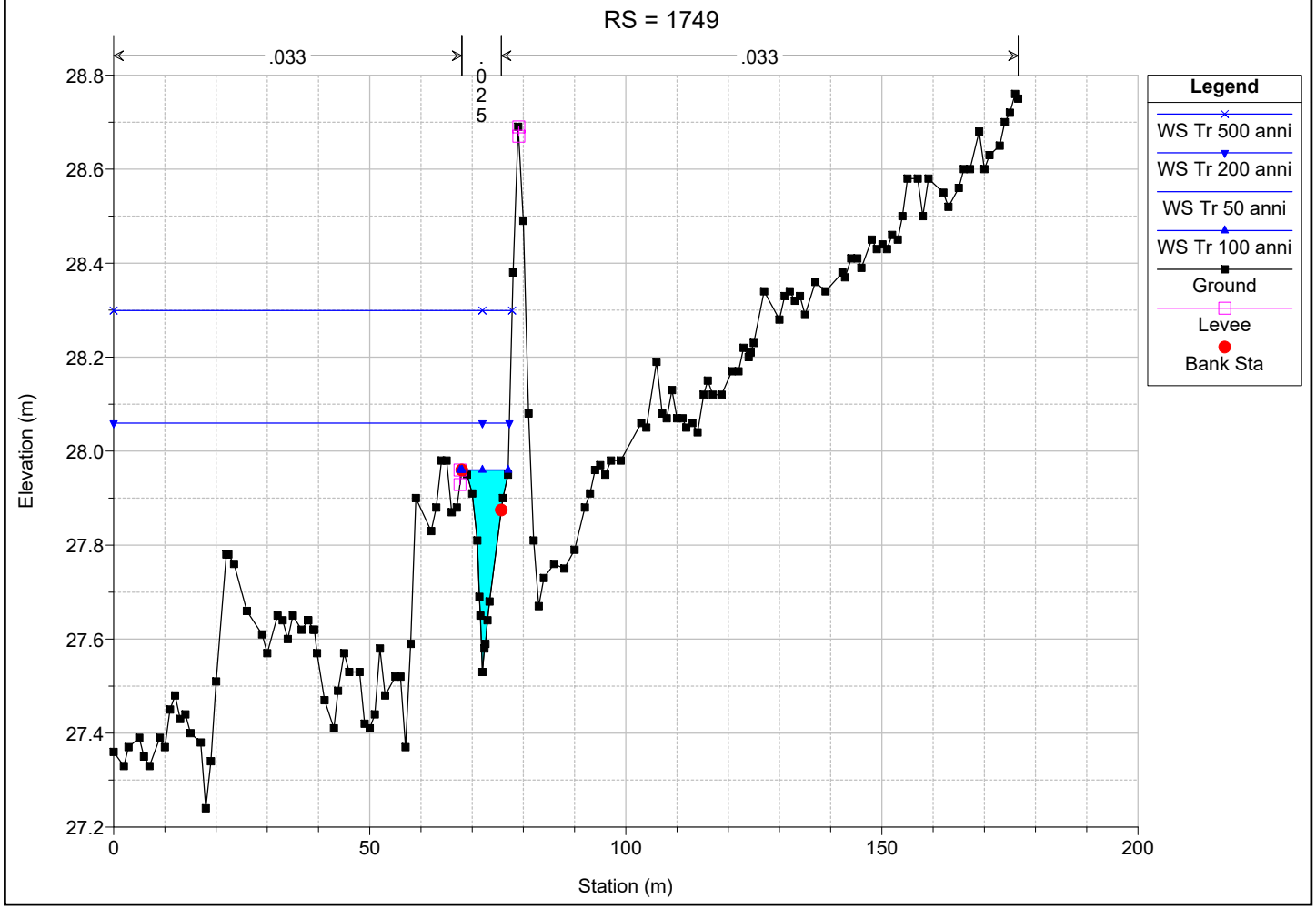
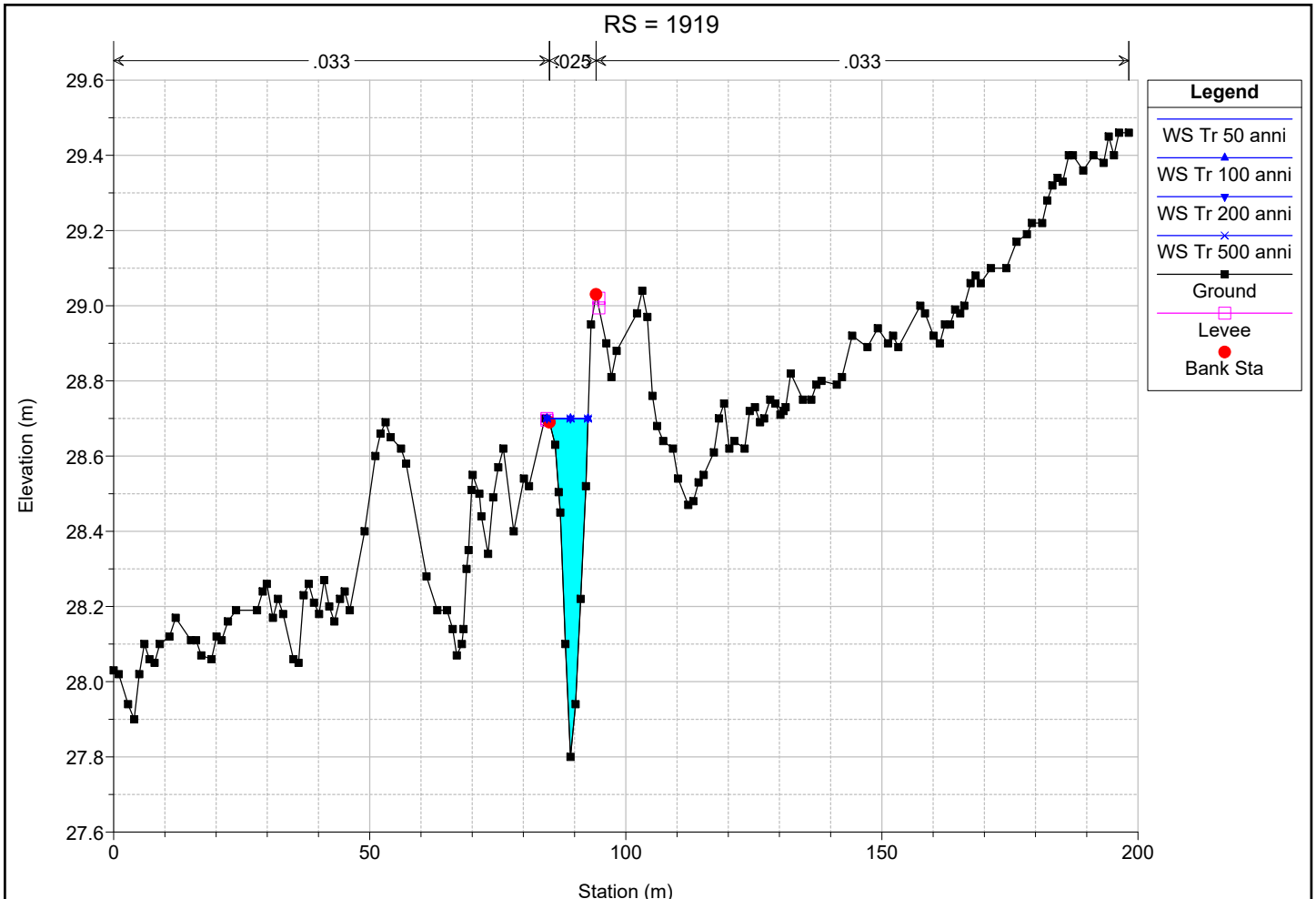


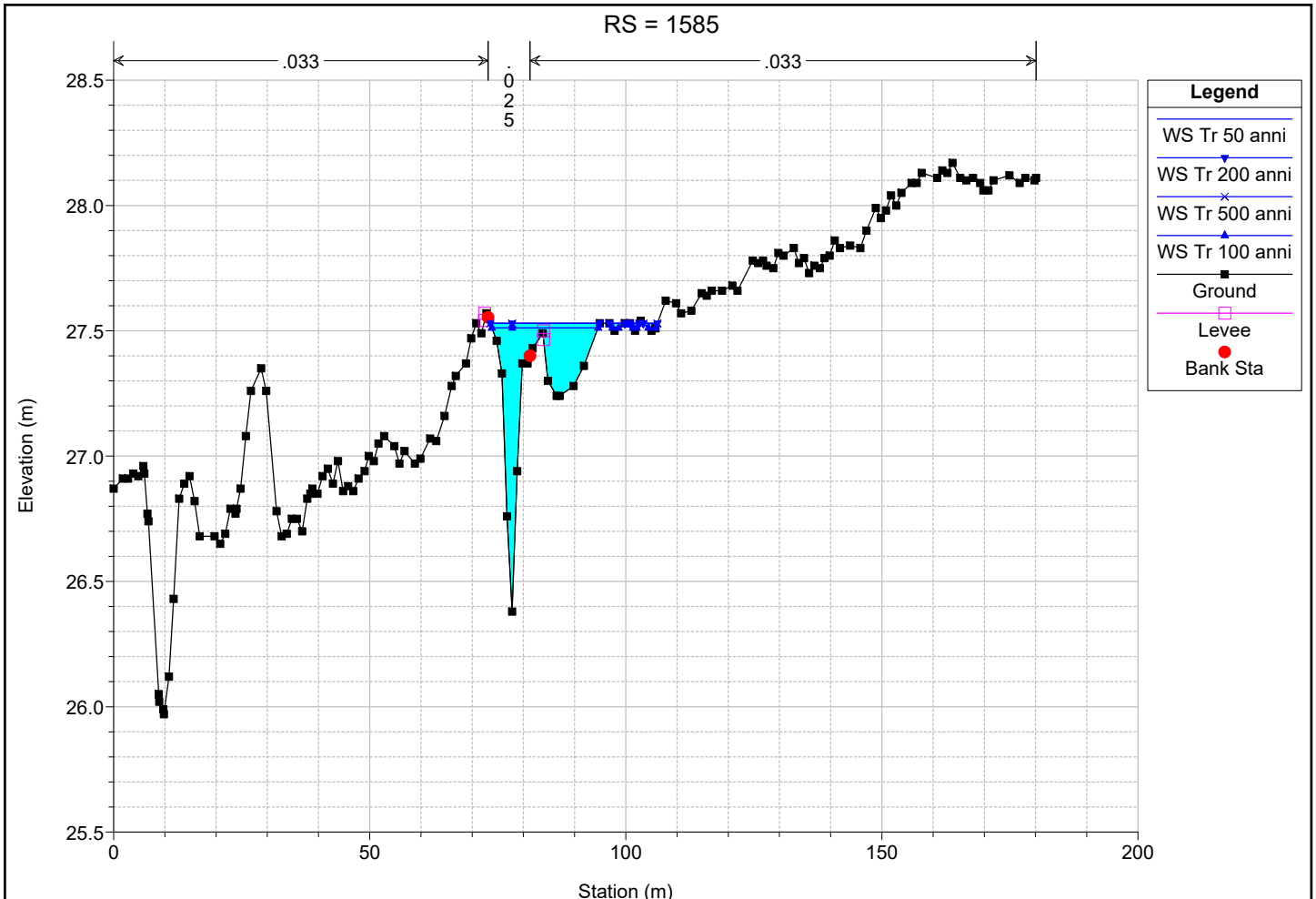


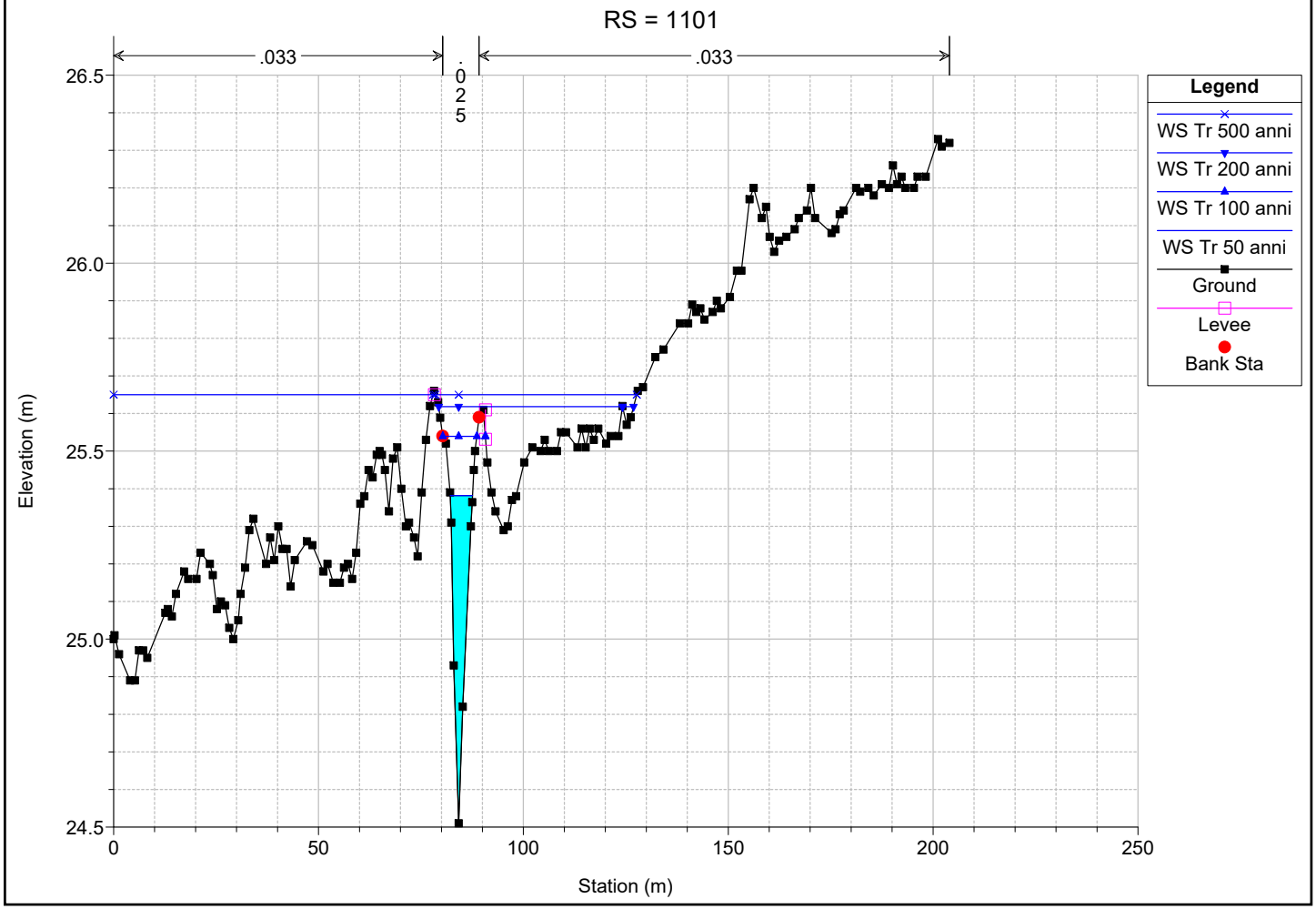
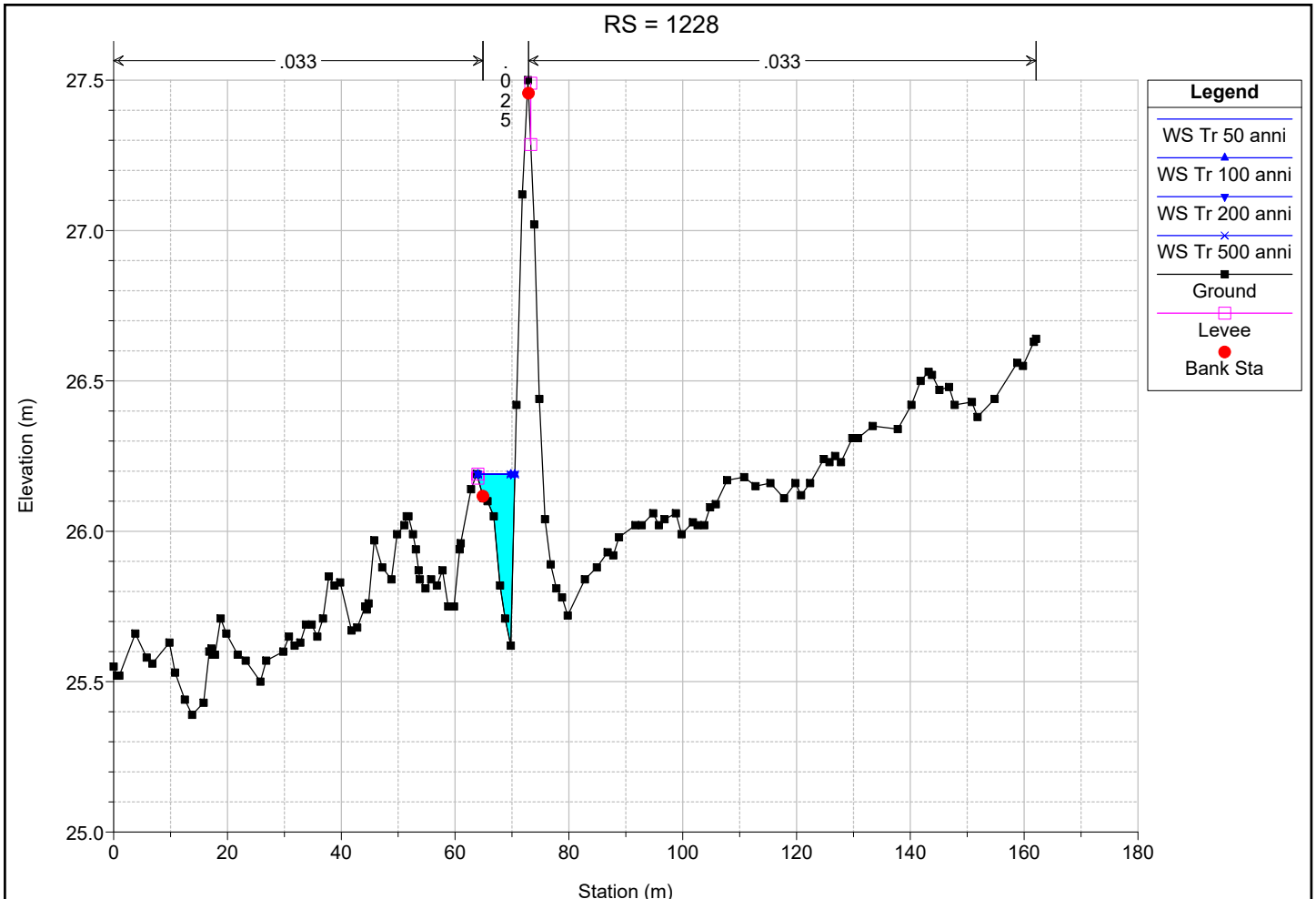




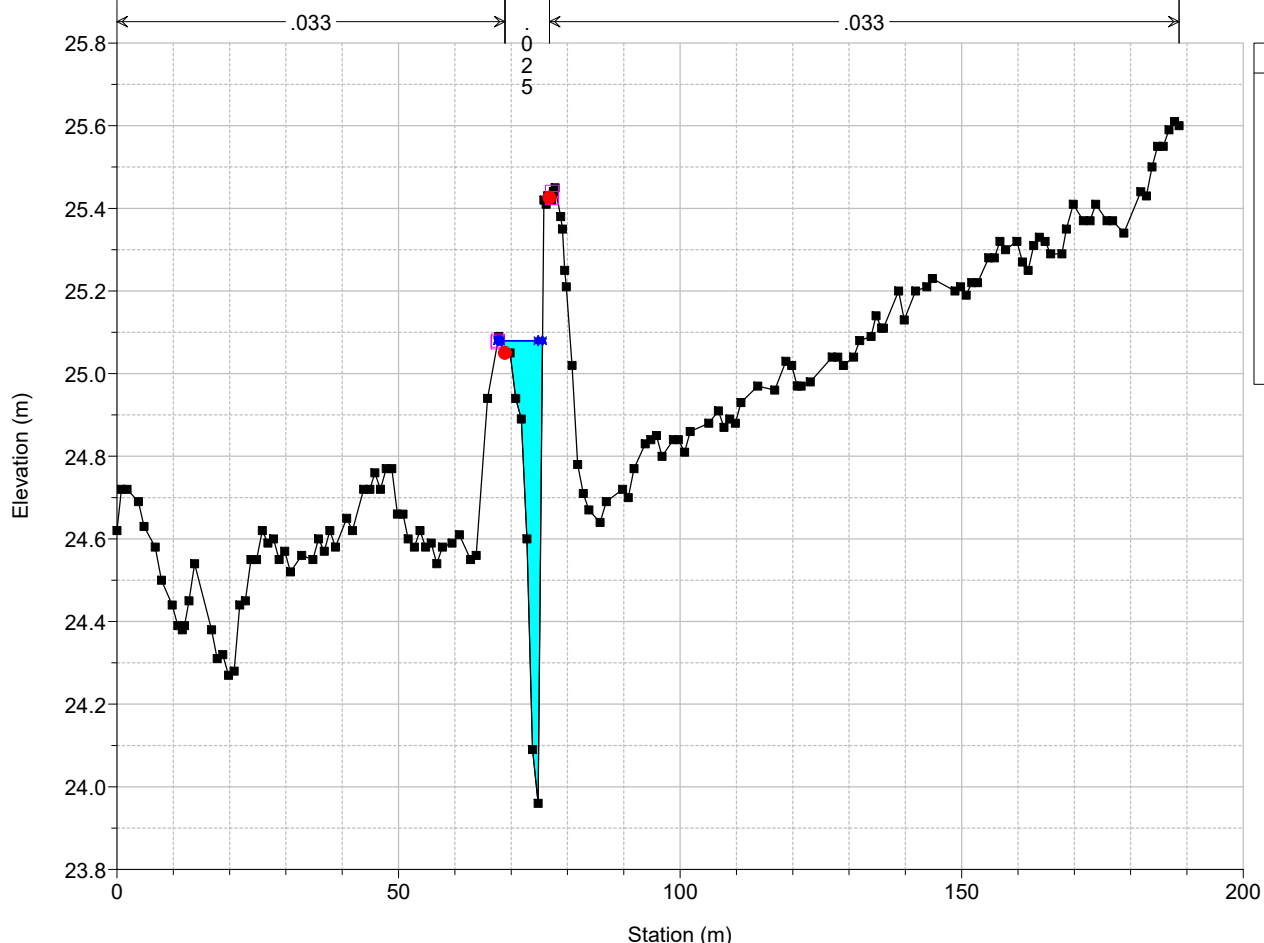








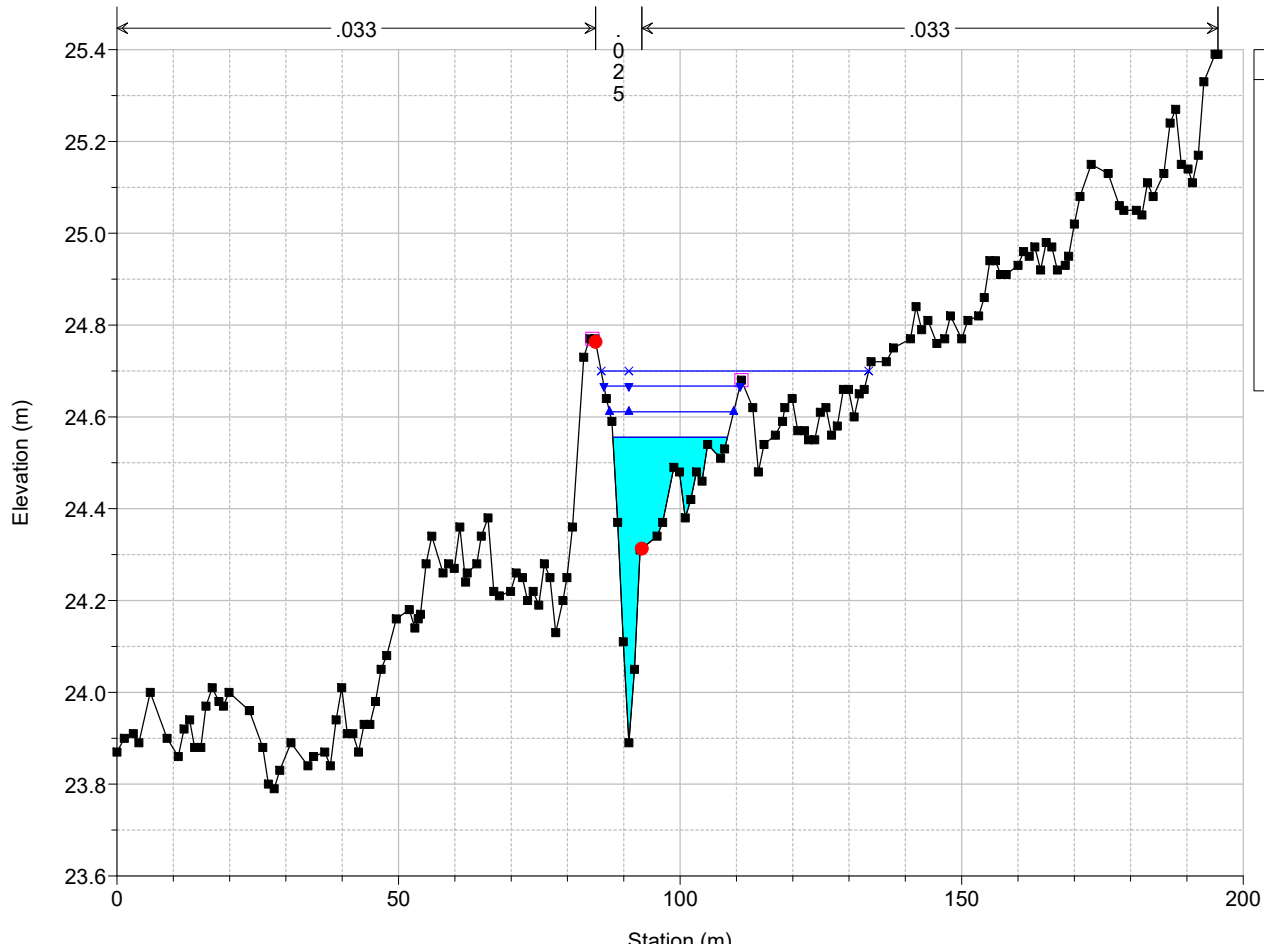
RS = 912



Legend

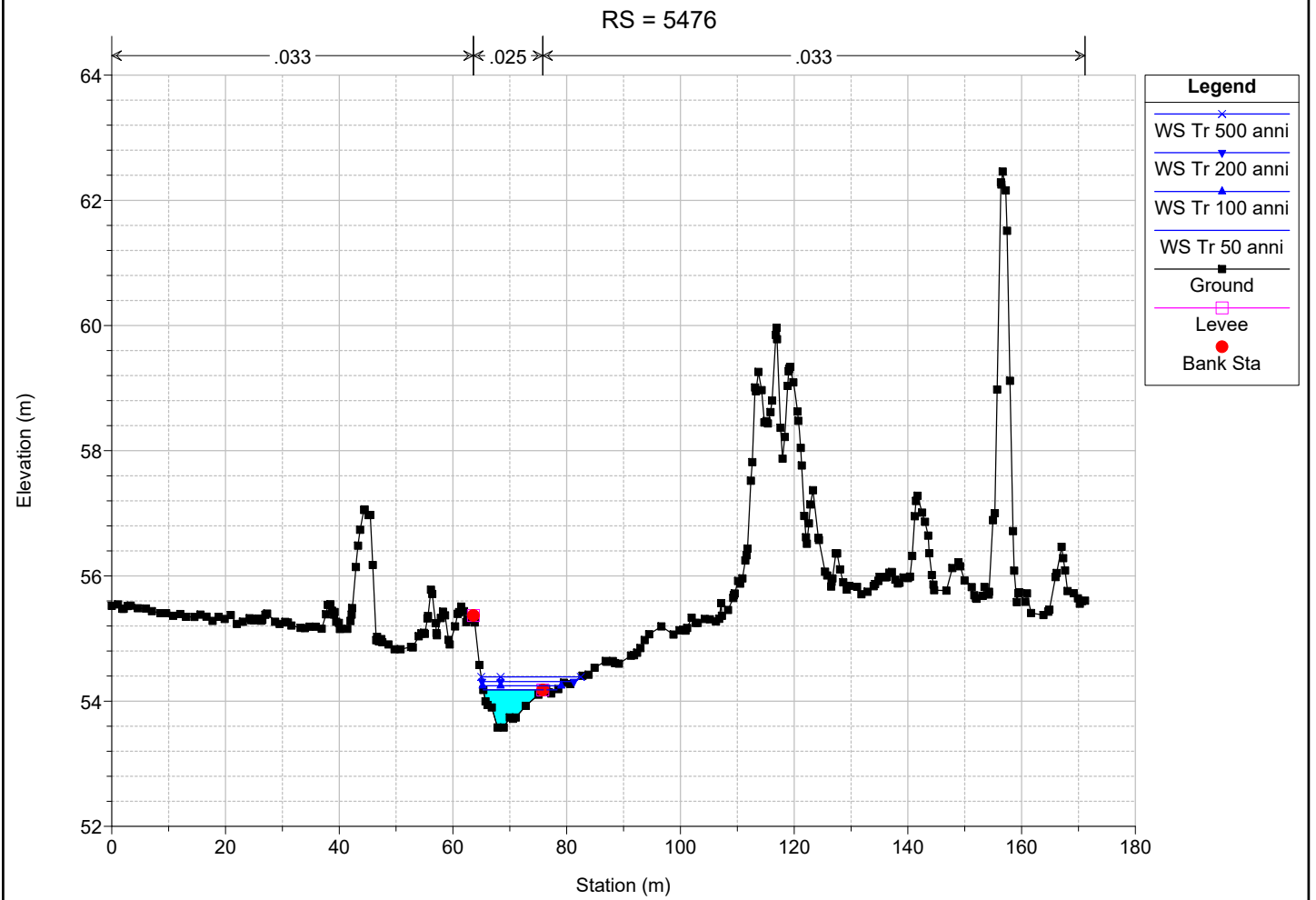
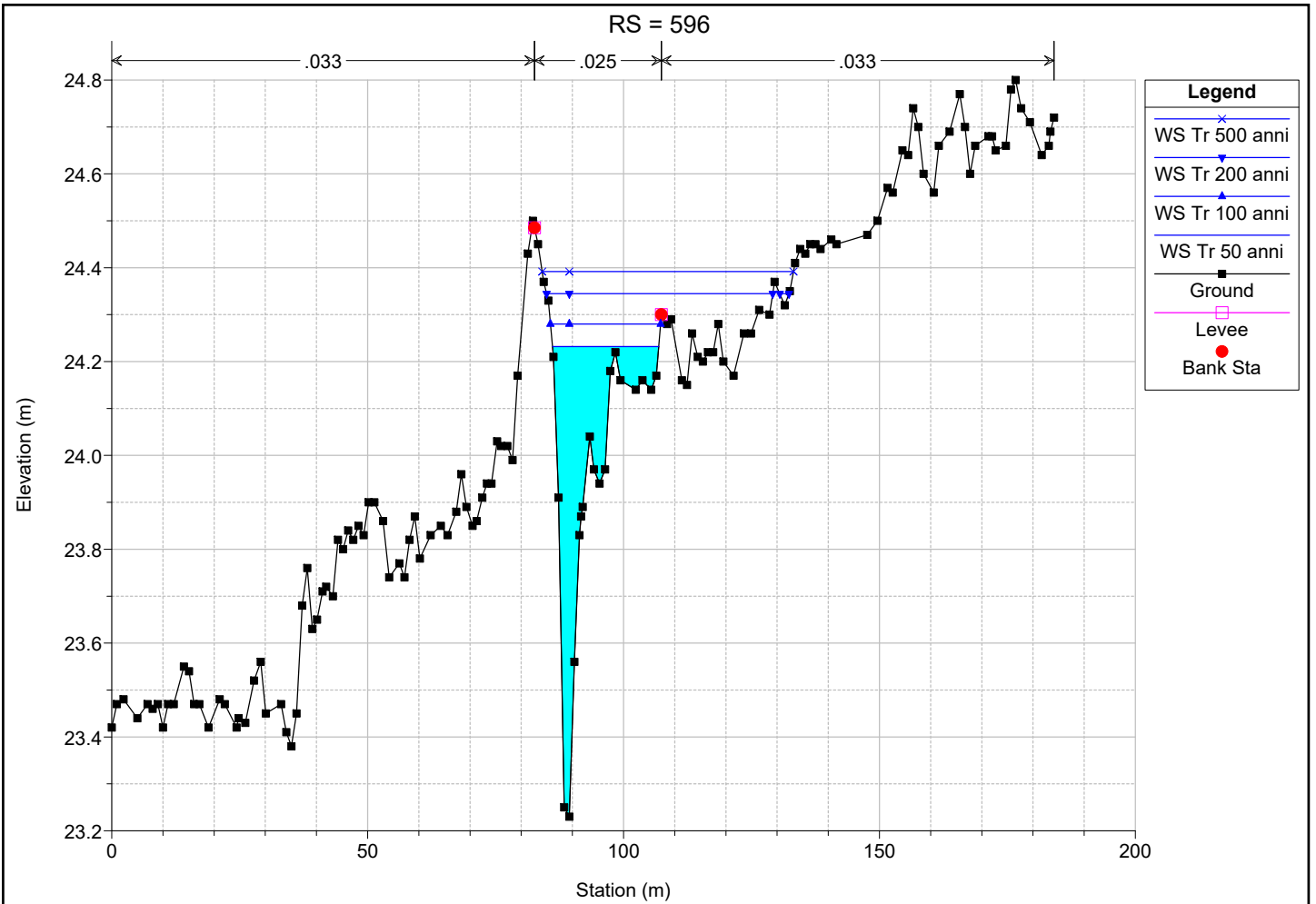
- WS Tr 50 anni (blue triangle)
- WS Tr 100 anni (blue triangle)
- WS Tr 200 anni (blue cross)
- WS Tr 500 anni (blue cross)
- Ground (black square)
- Levee (pink square)
- Bank Sta (red circle)

RS = 771

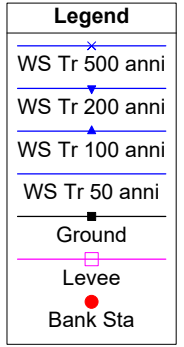
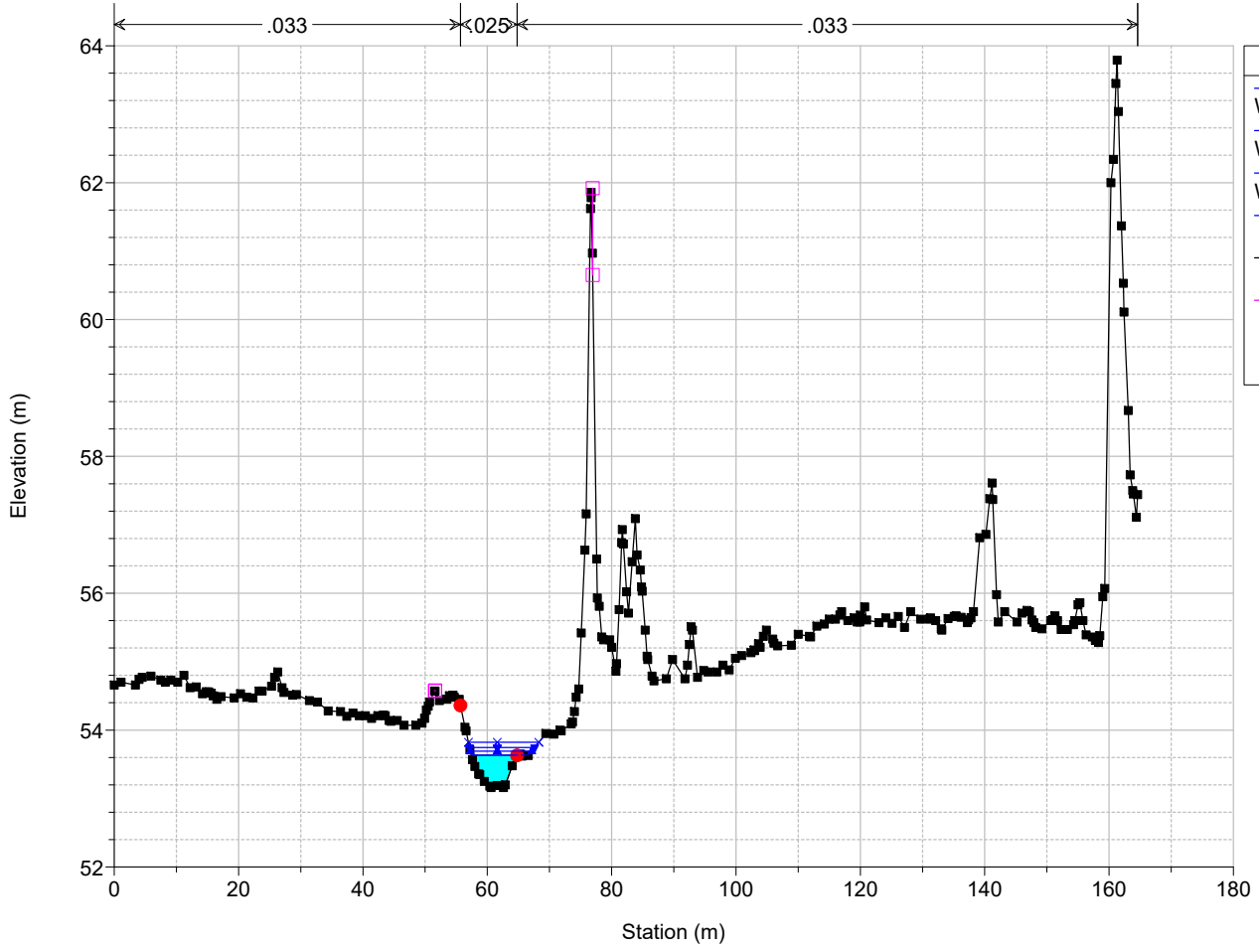


Legend

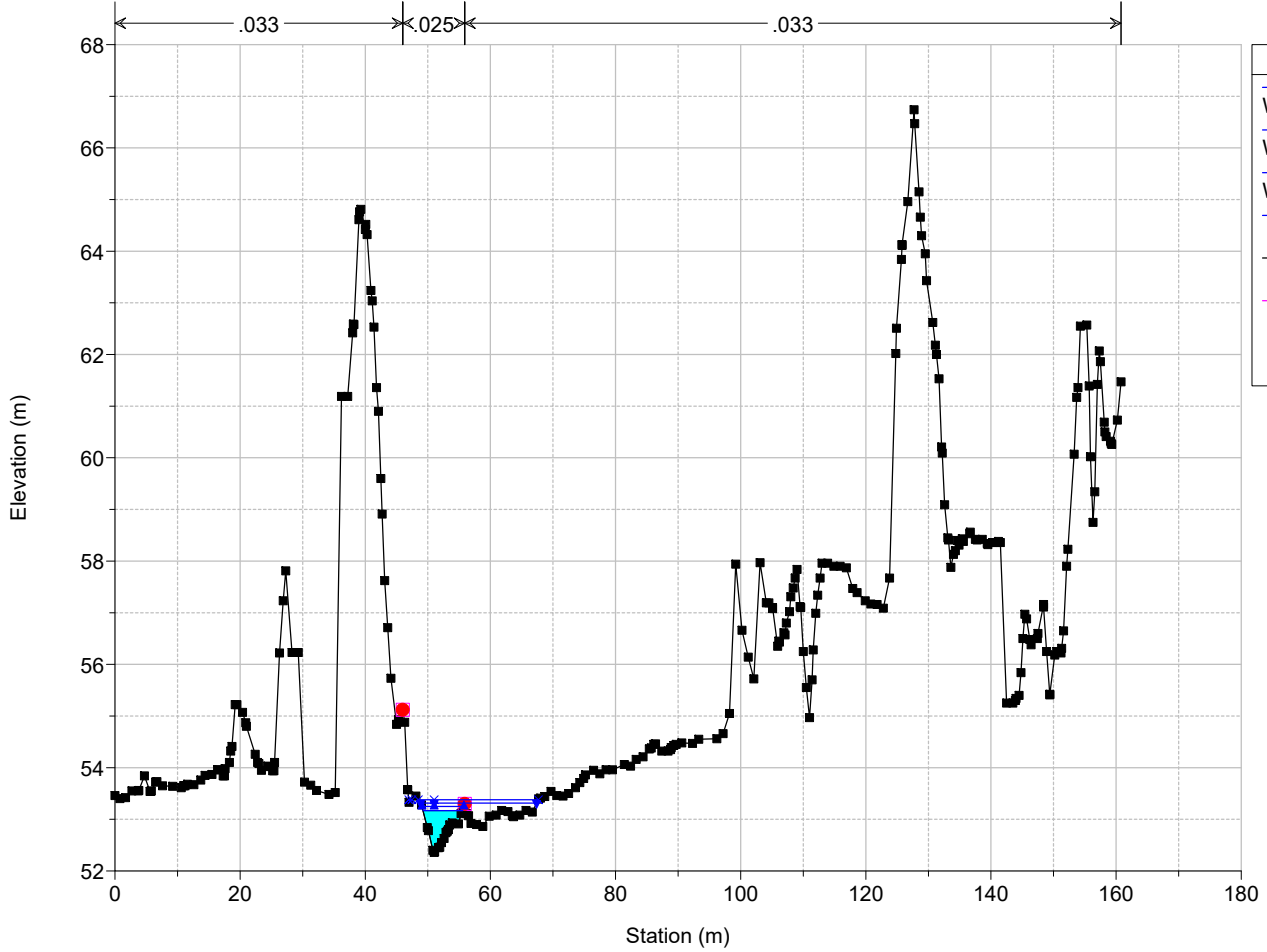
- WS Tr 500 anni (blue cross)
- WS Tr 200 anni (blue triangle)
- WS Tr 100 anni (blue triangle)
- WS Tr 50 anni (blue cross)
- Ground (black square)
- Levee (pink square)
- Bank Sta (red circle)

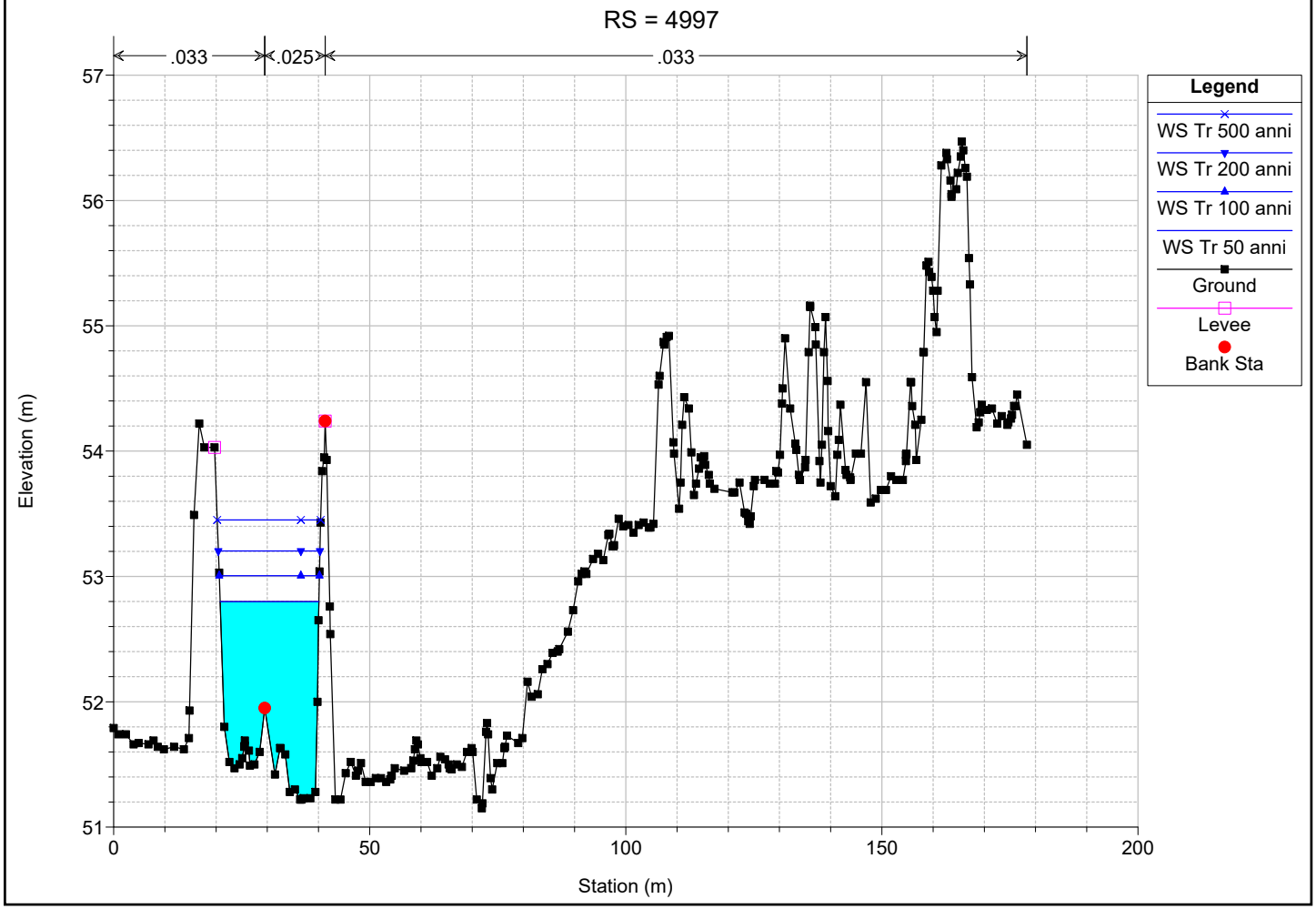
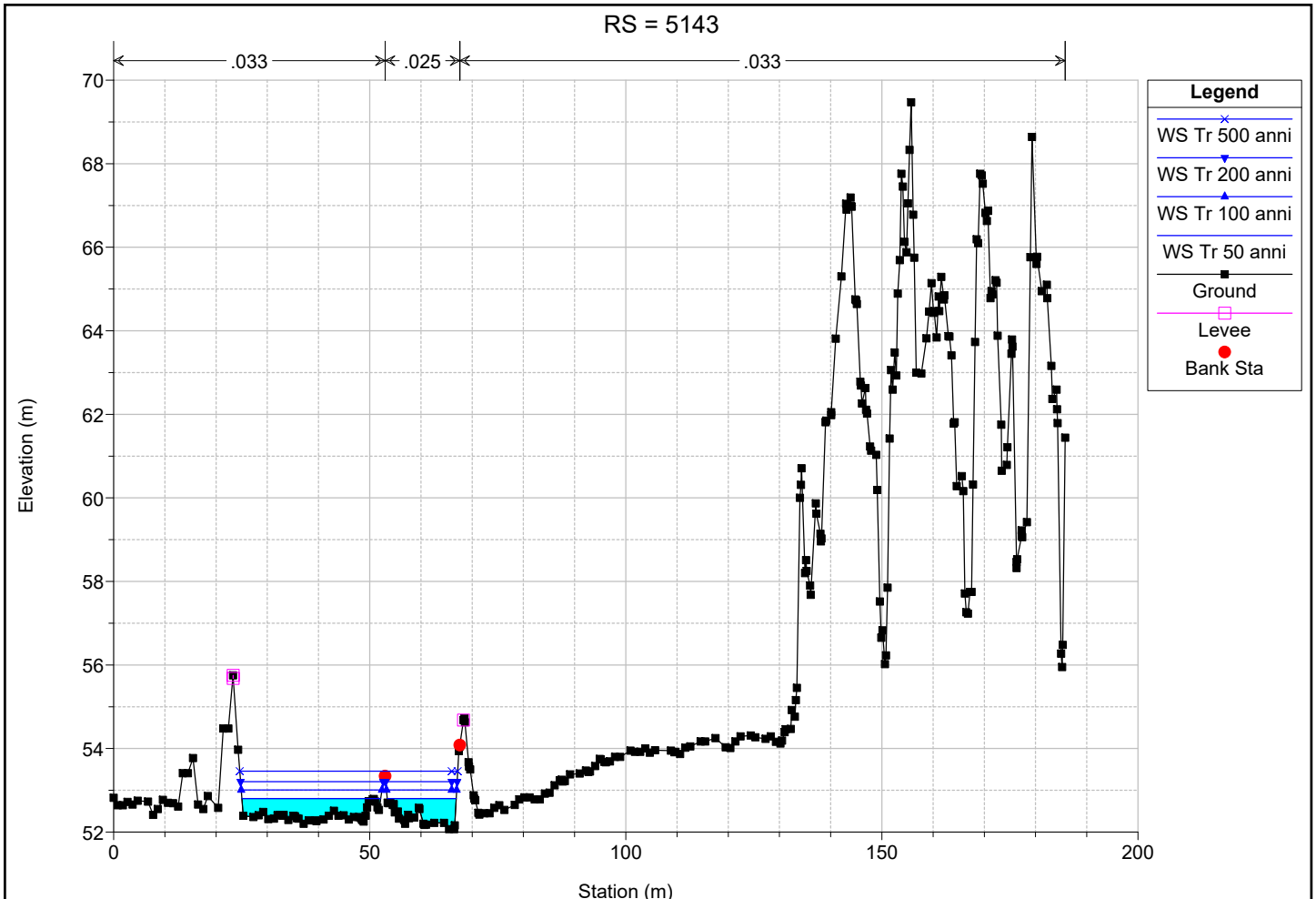


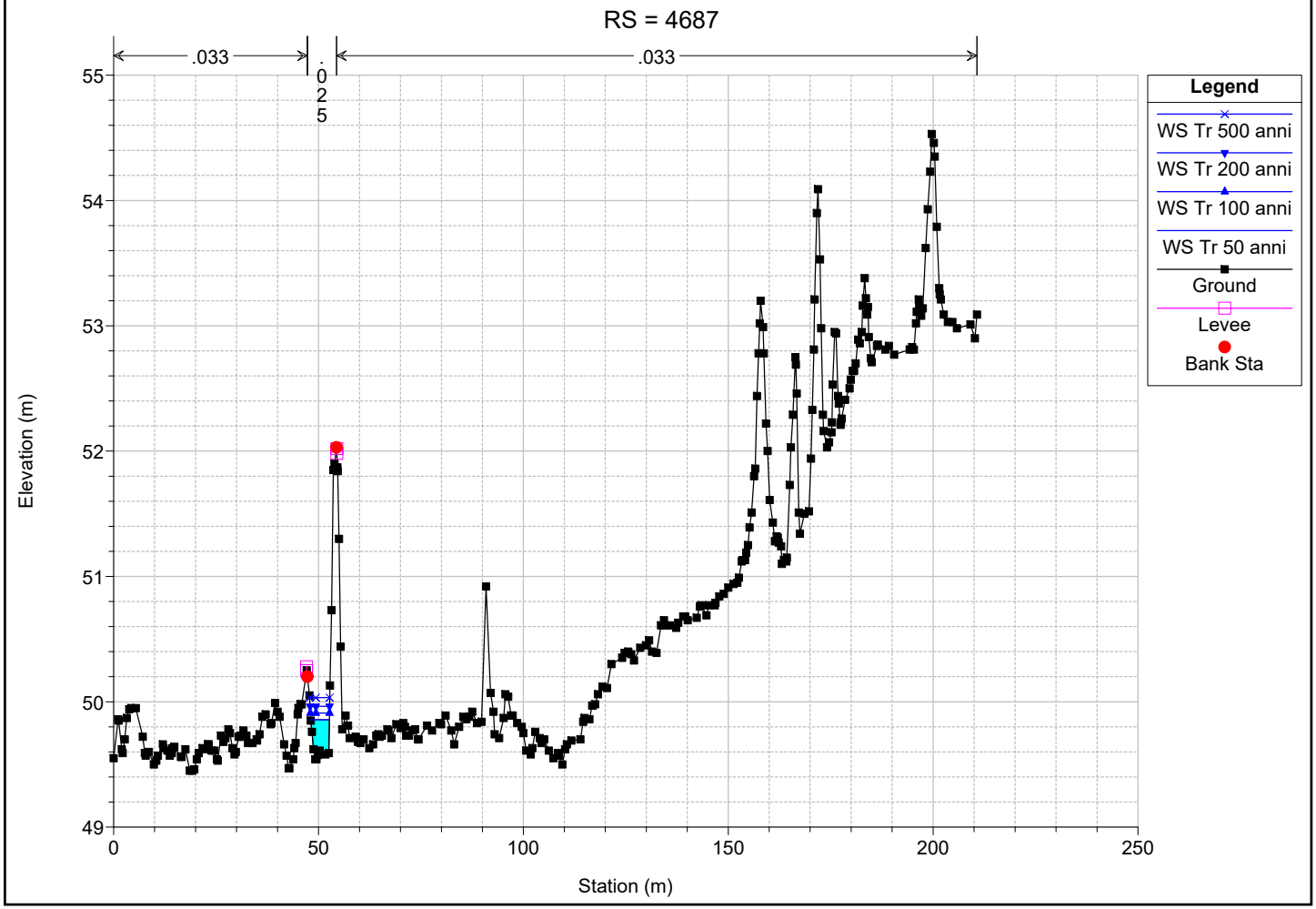
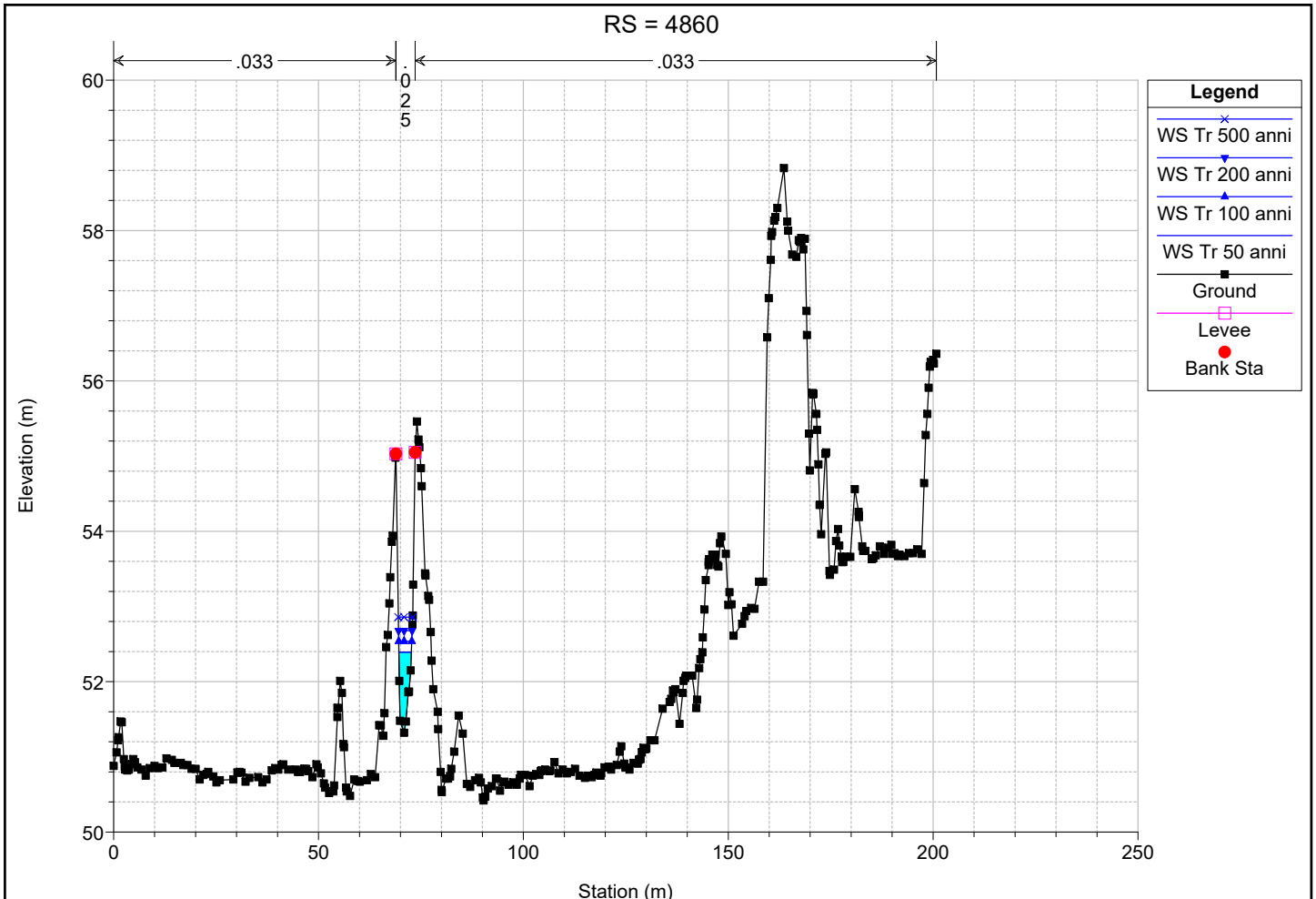
RS = 5382

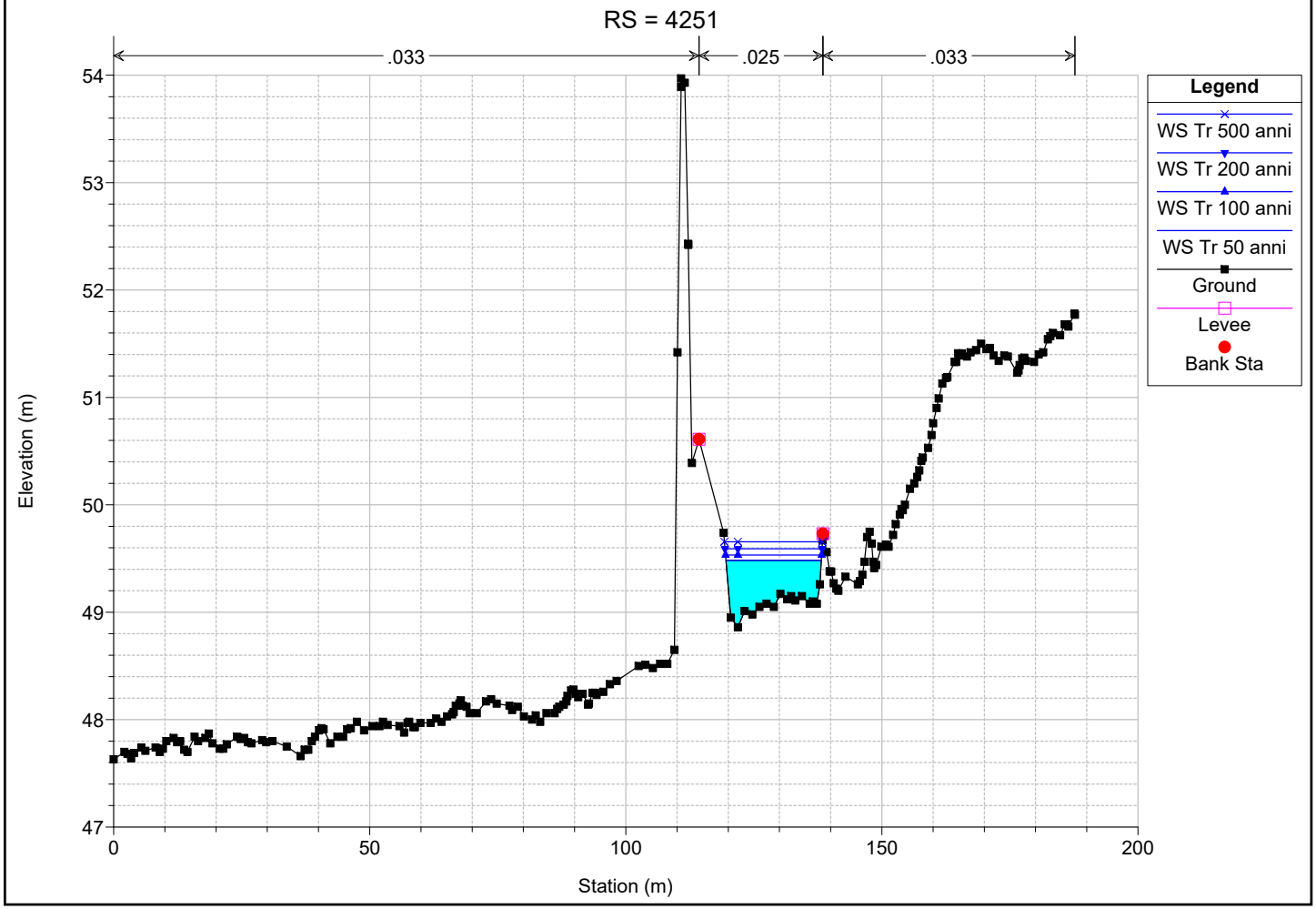
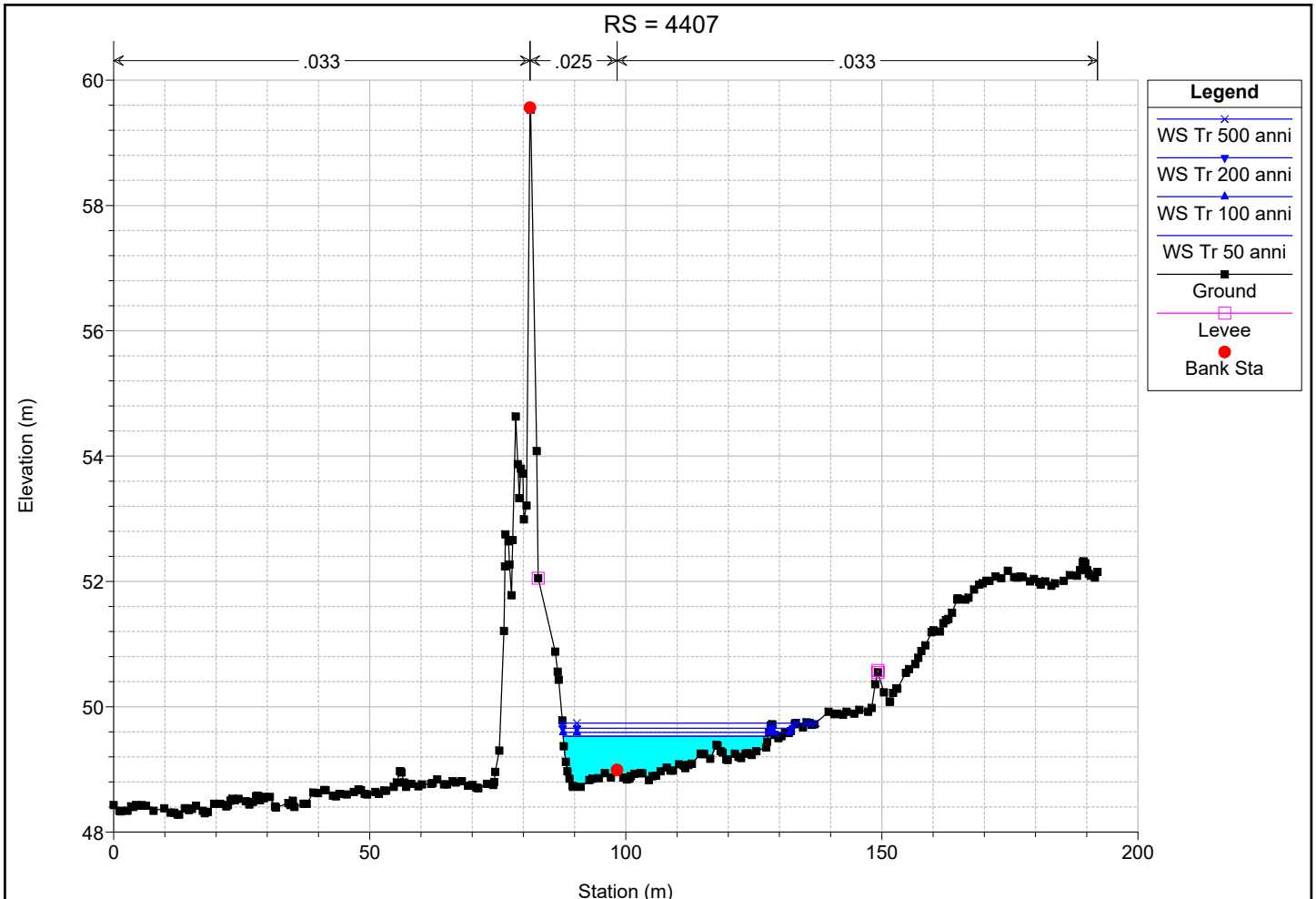


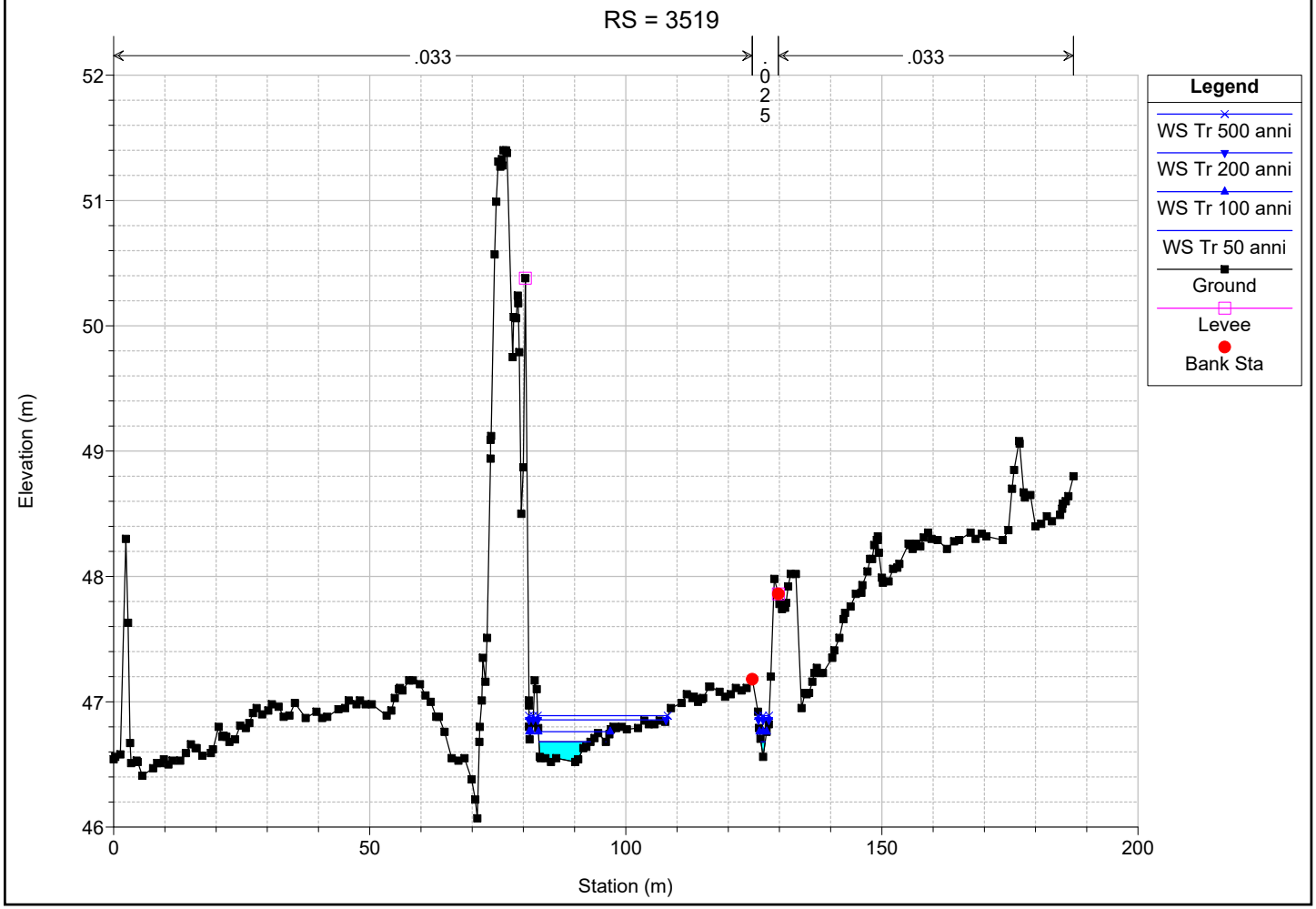
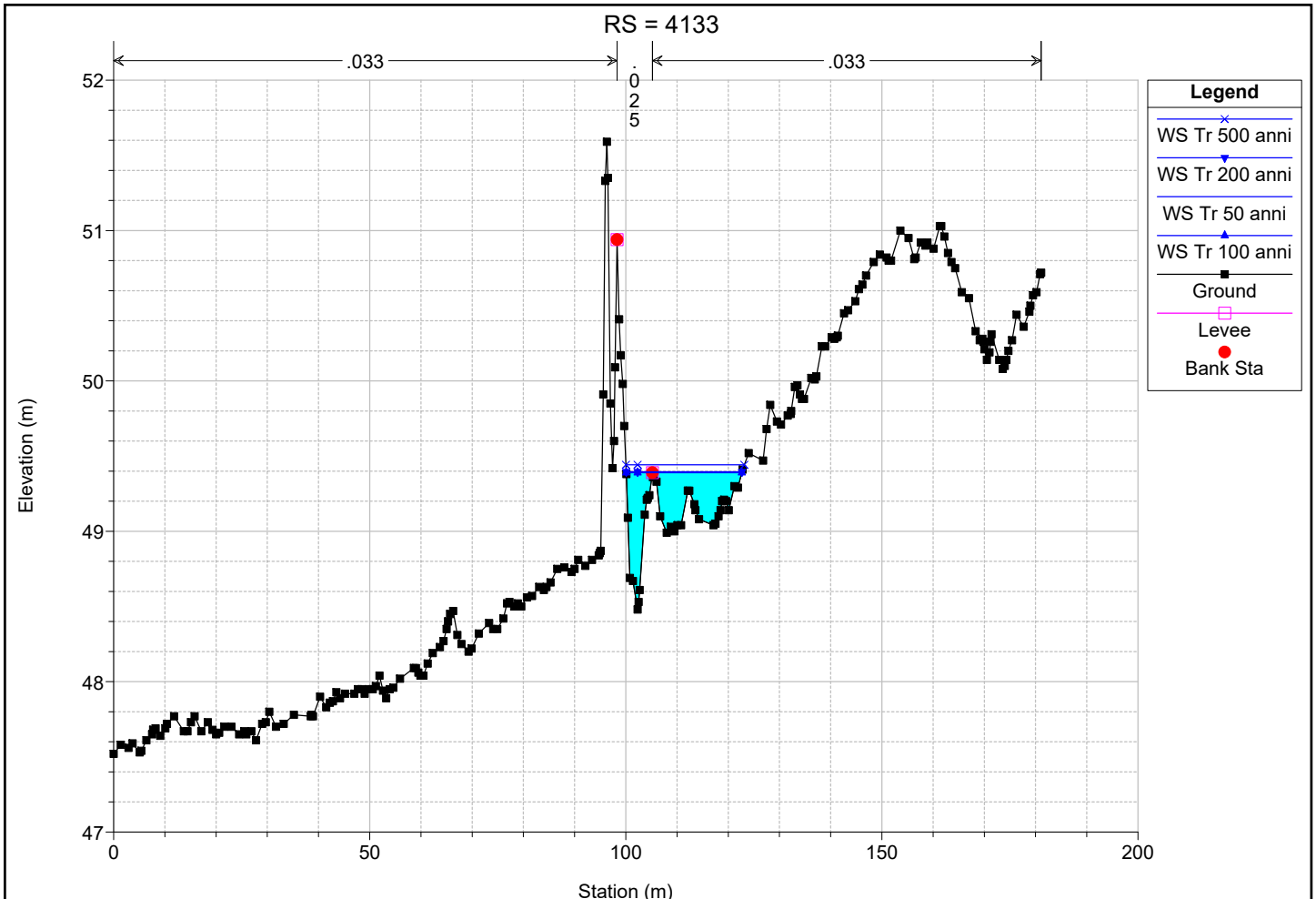
RS = 5264

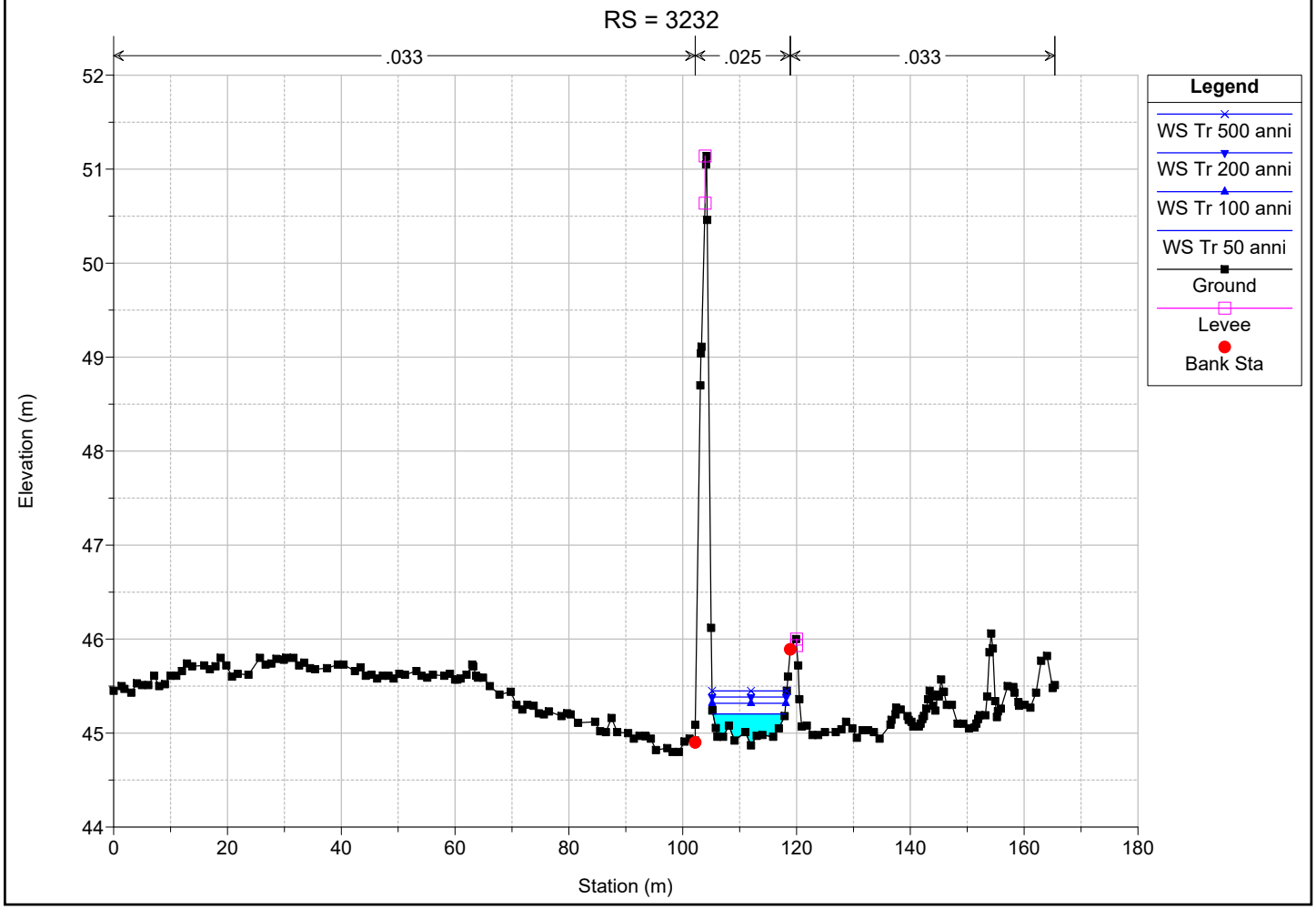
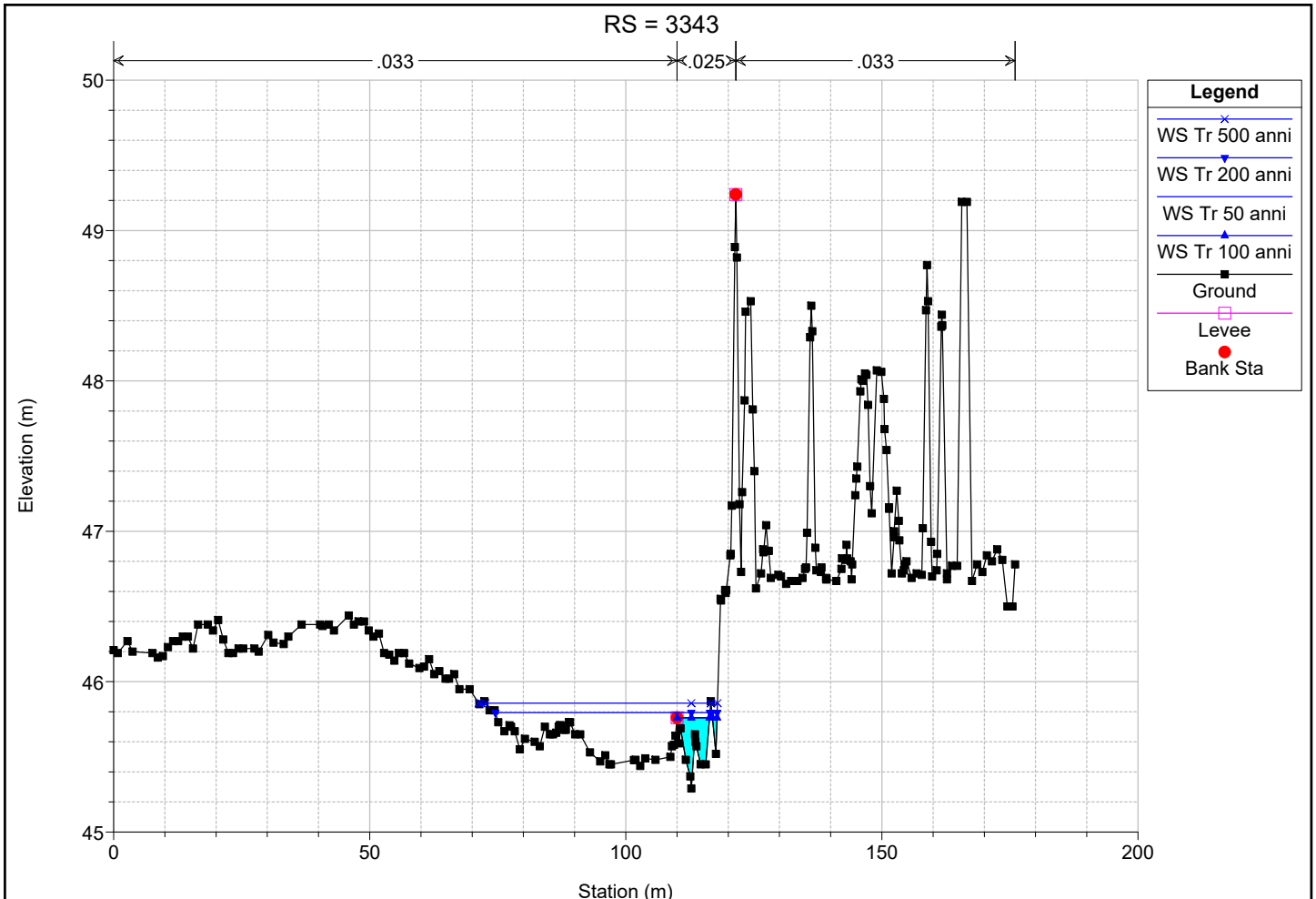


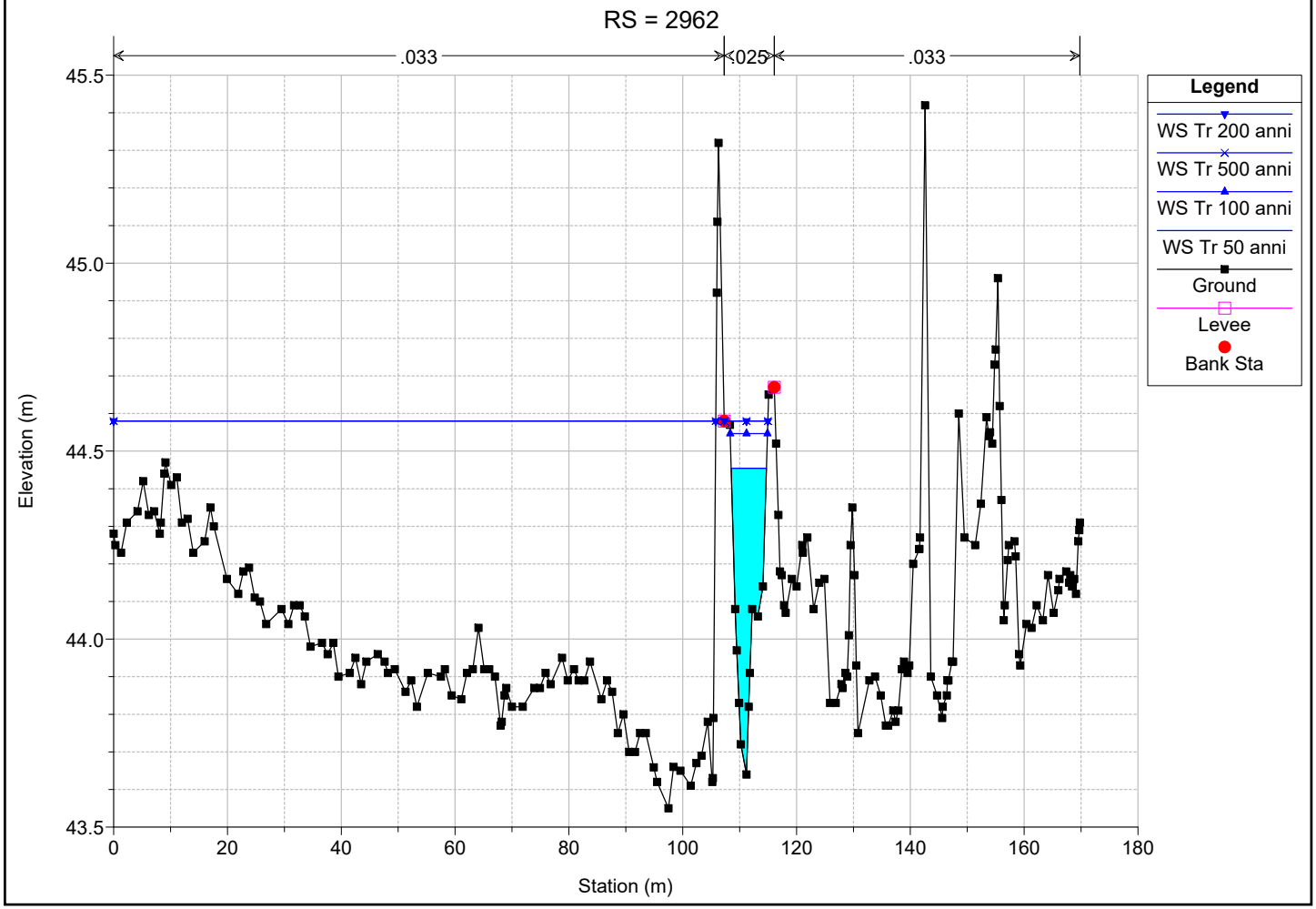
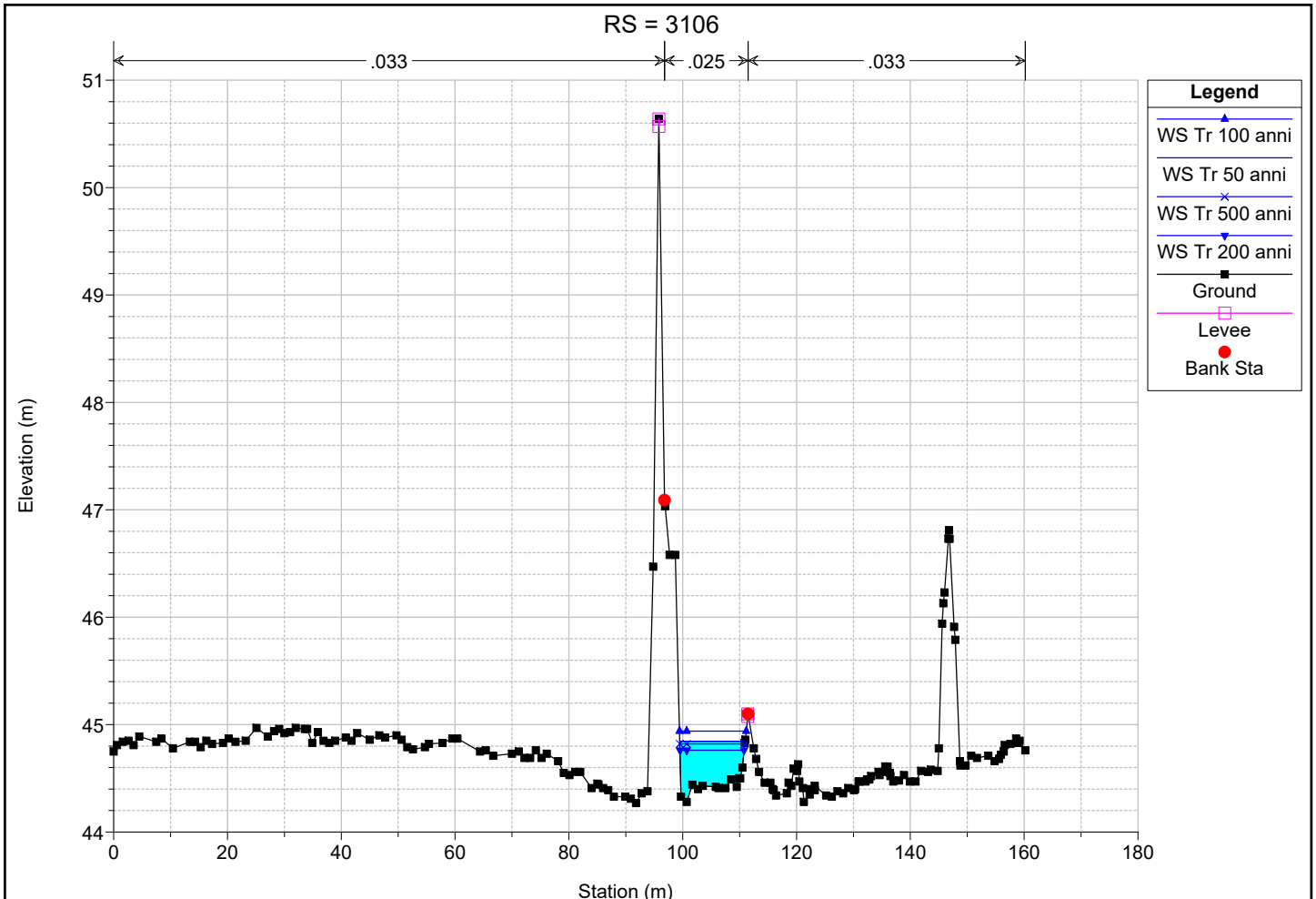


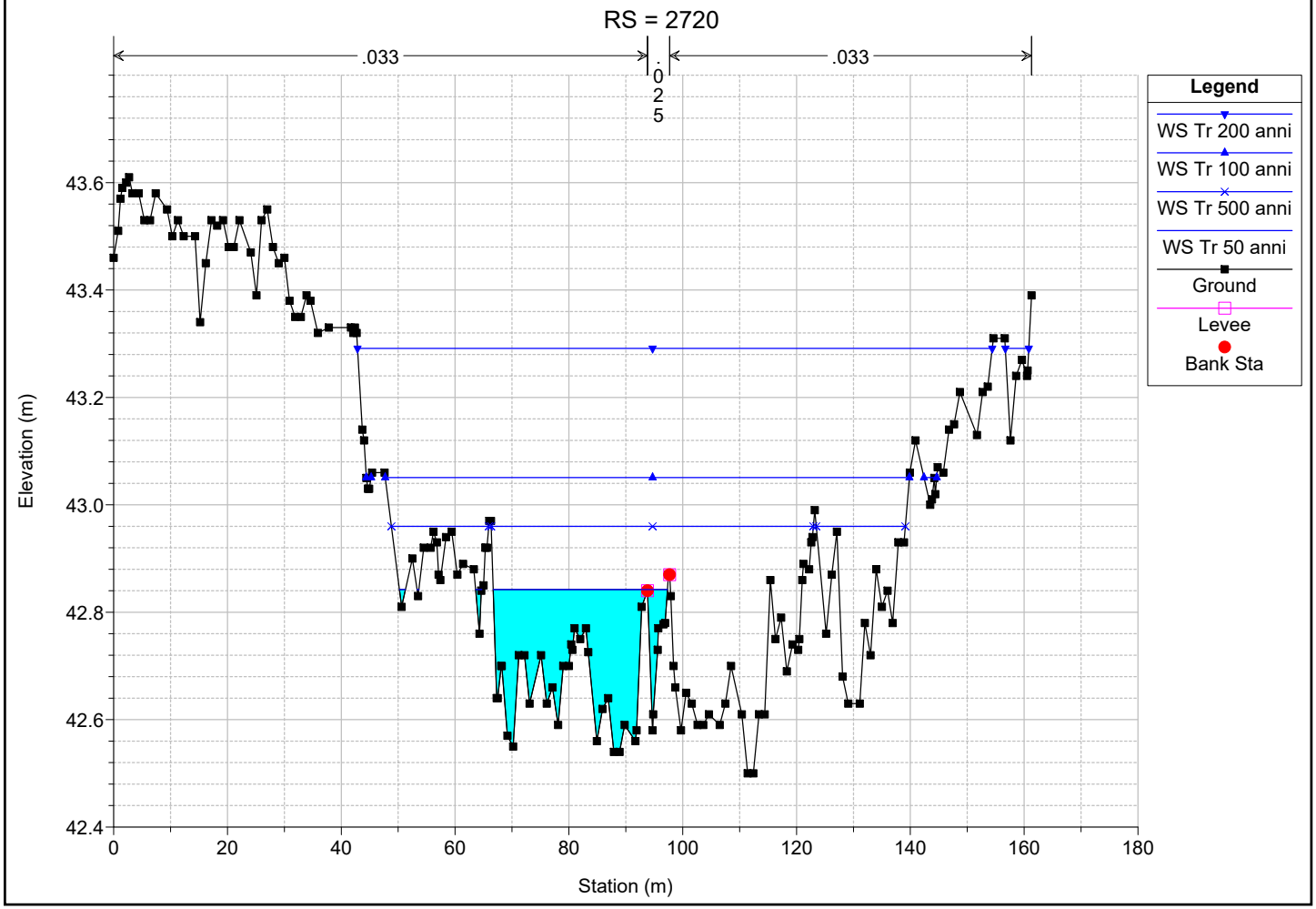
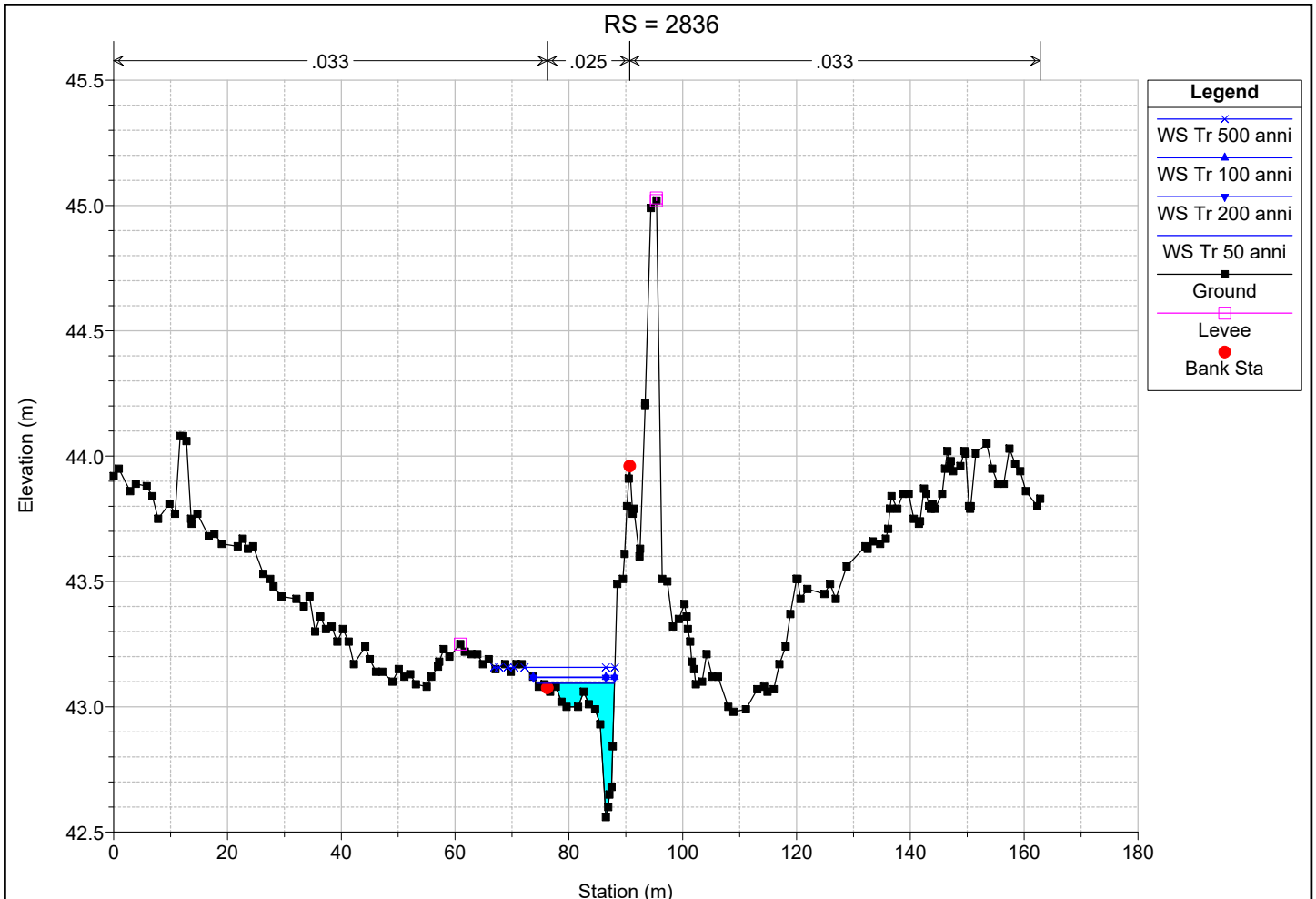


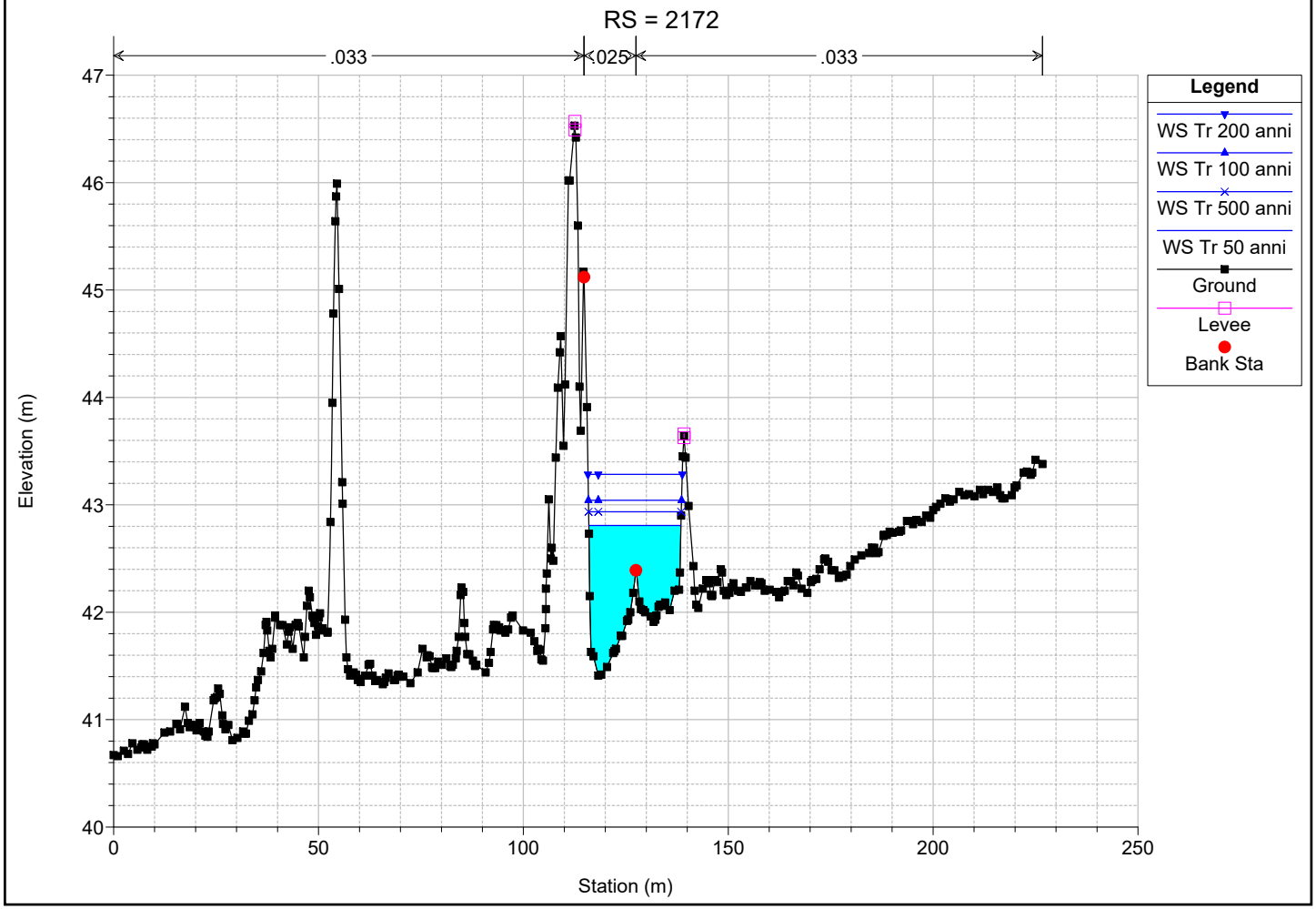
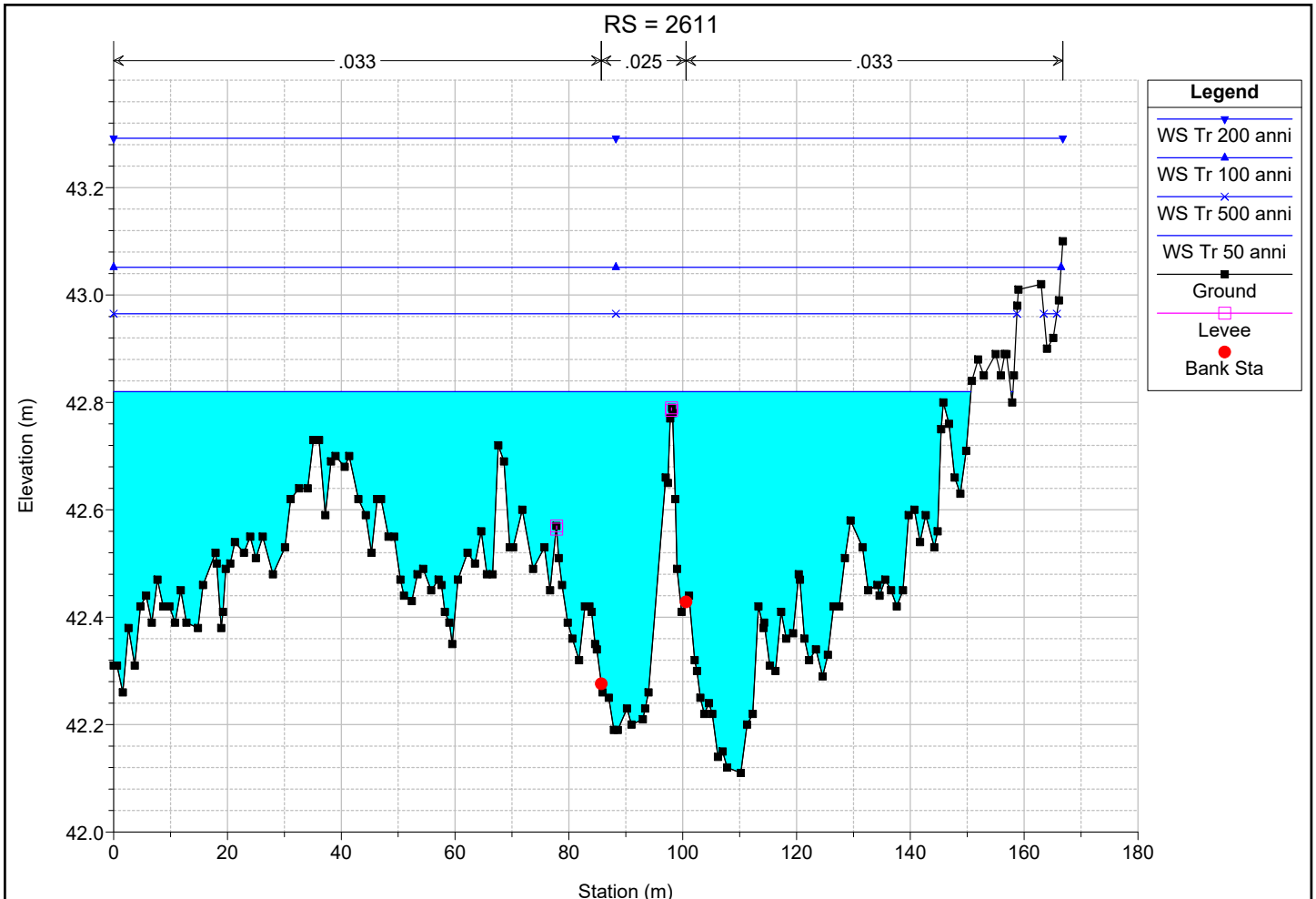


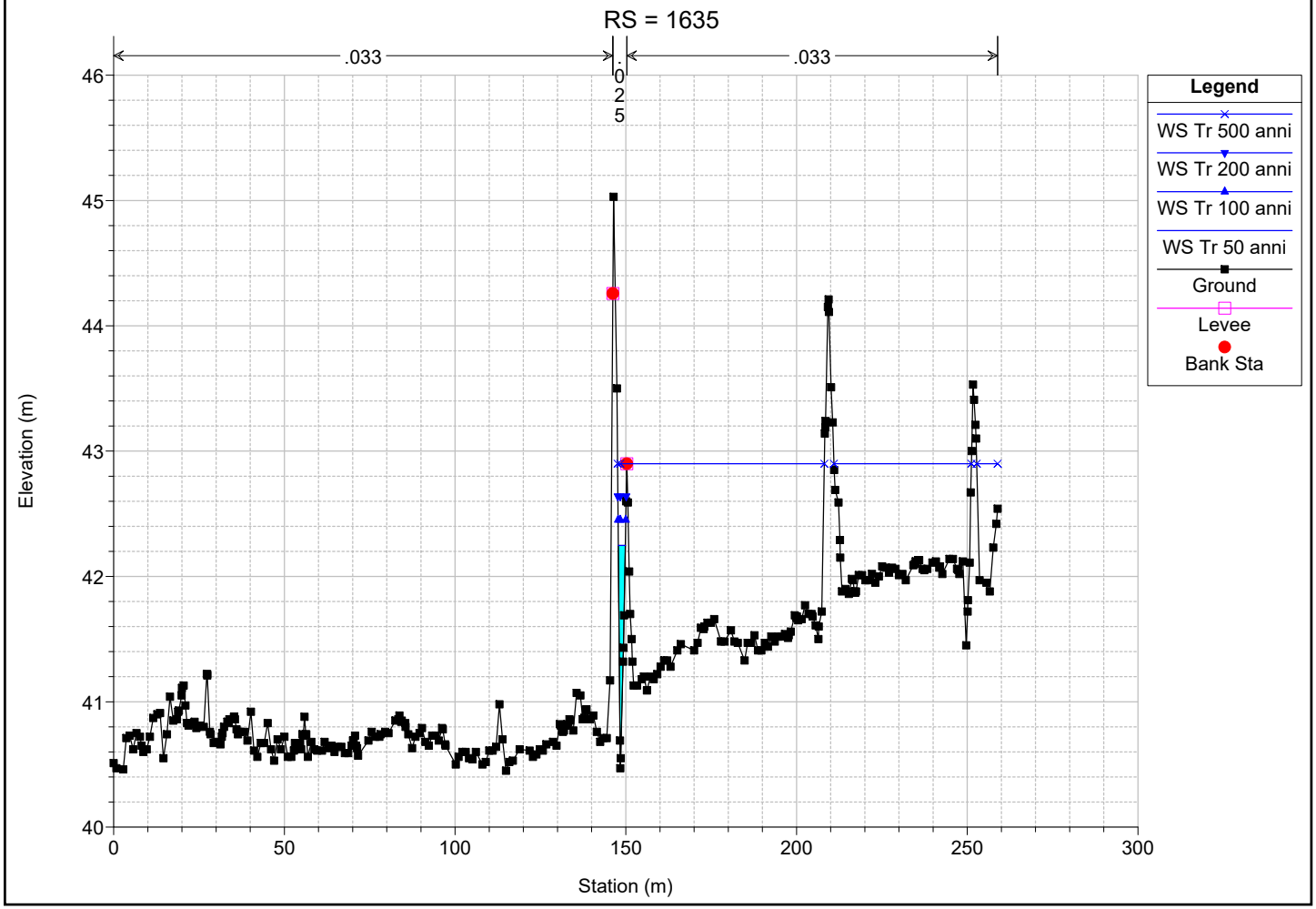
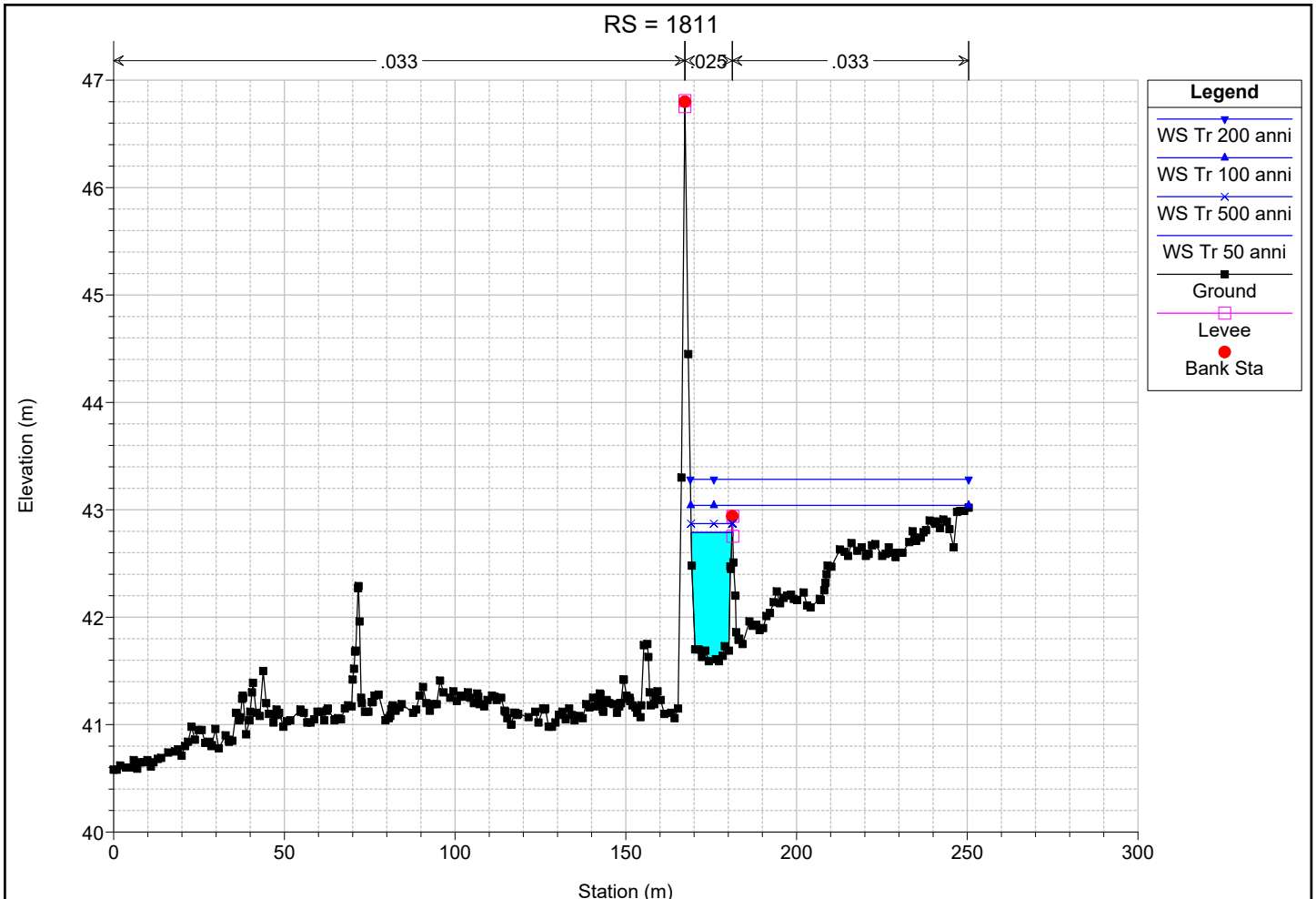


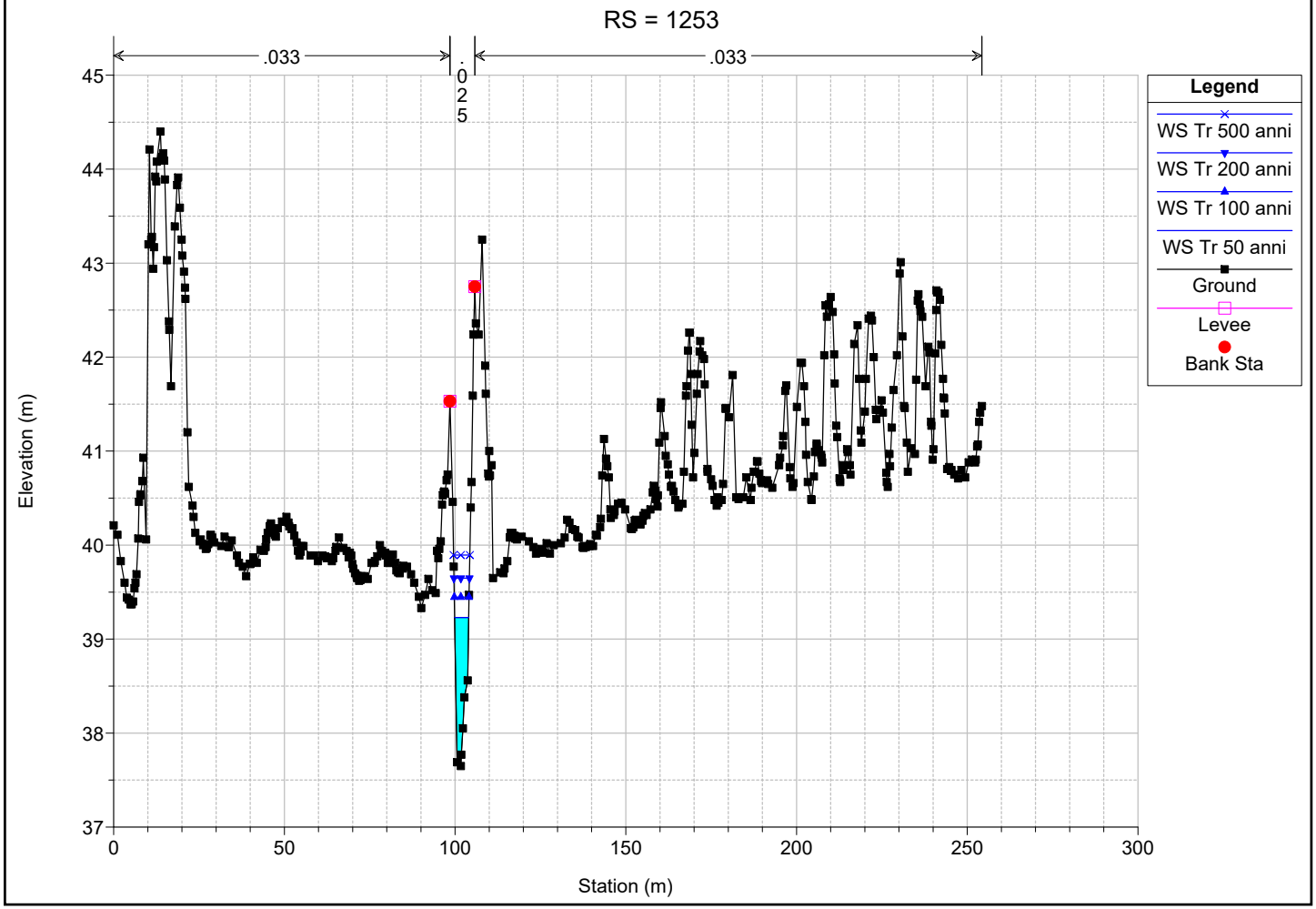
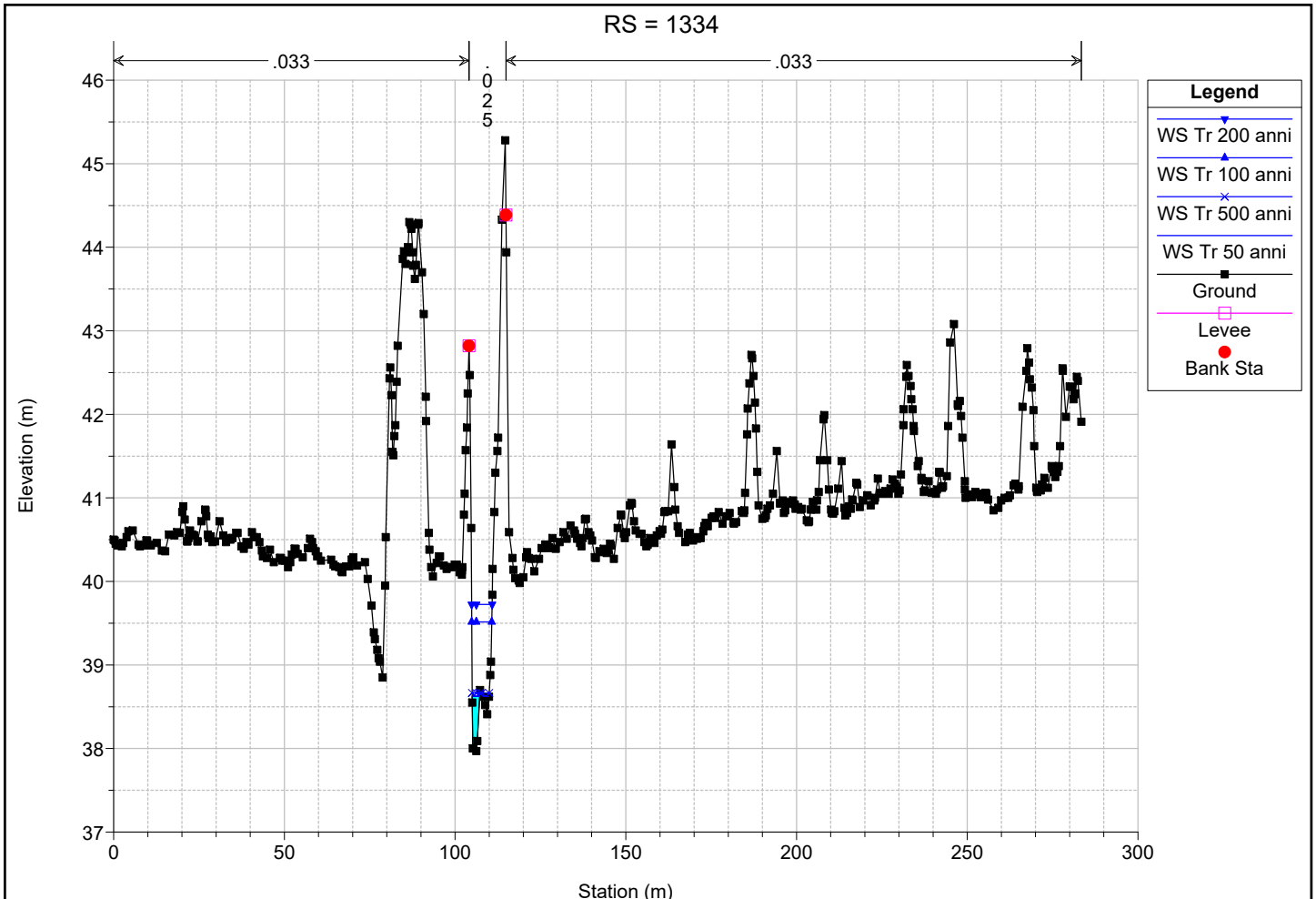


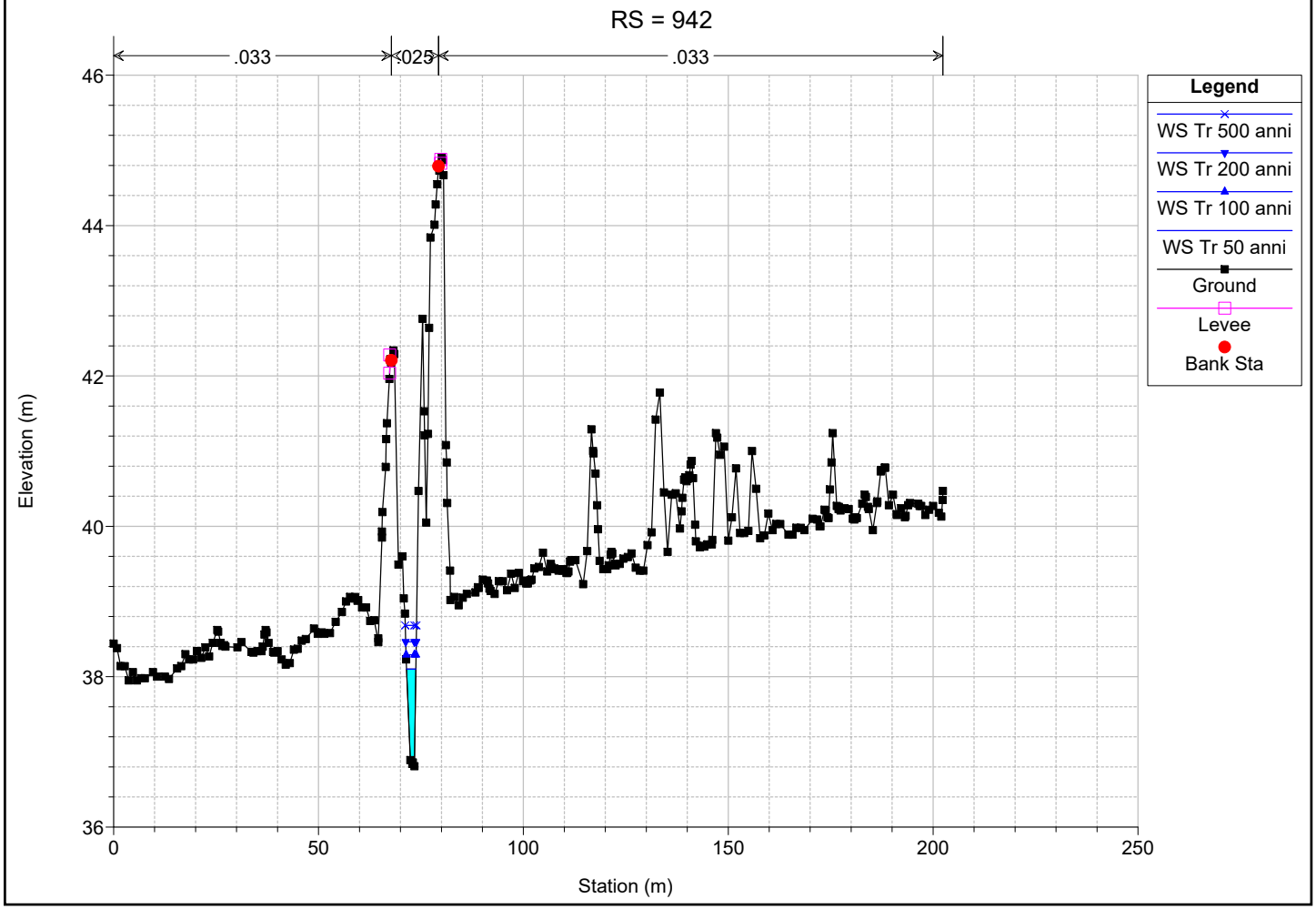
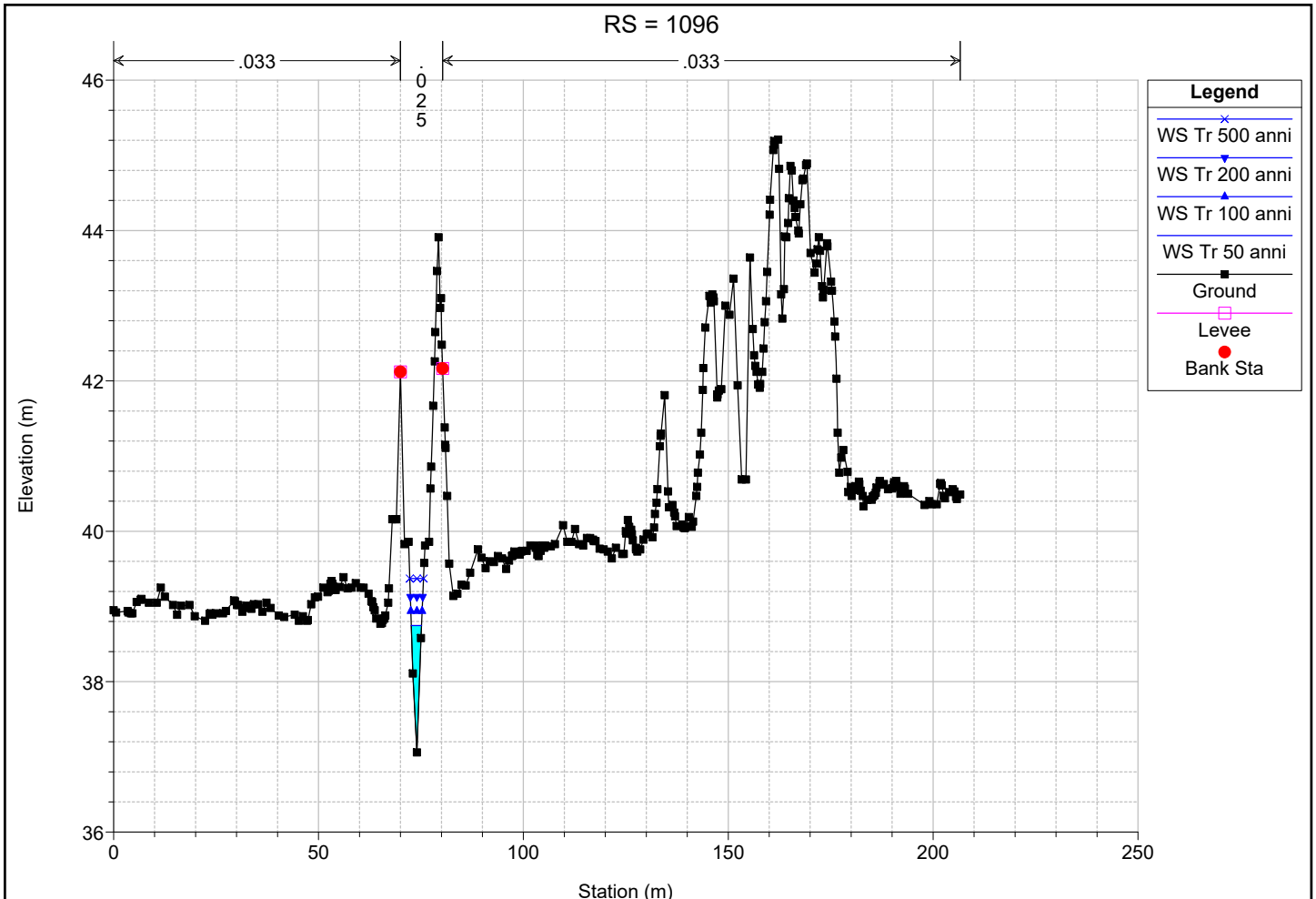




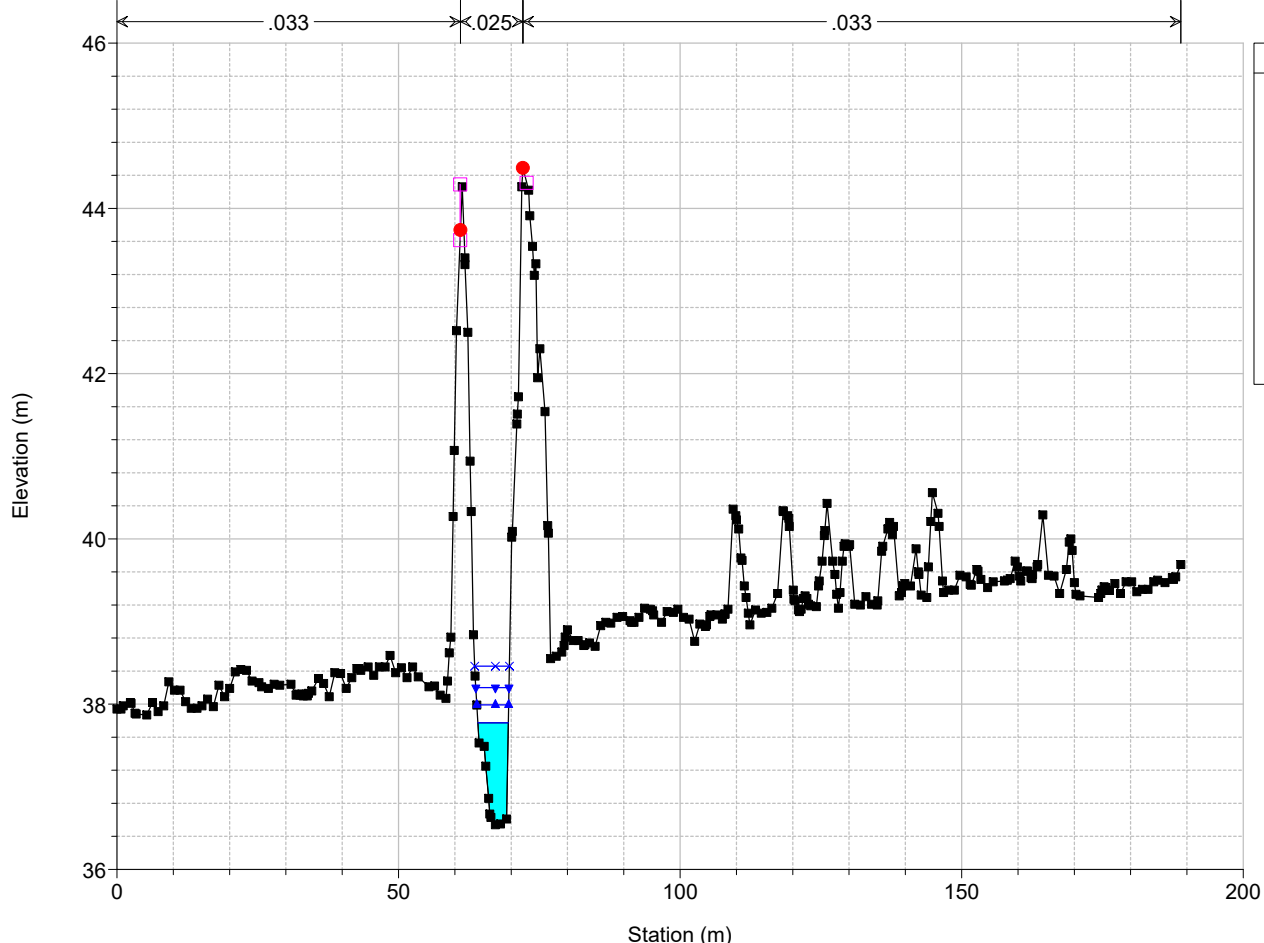








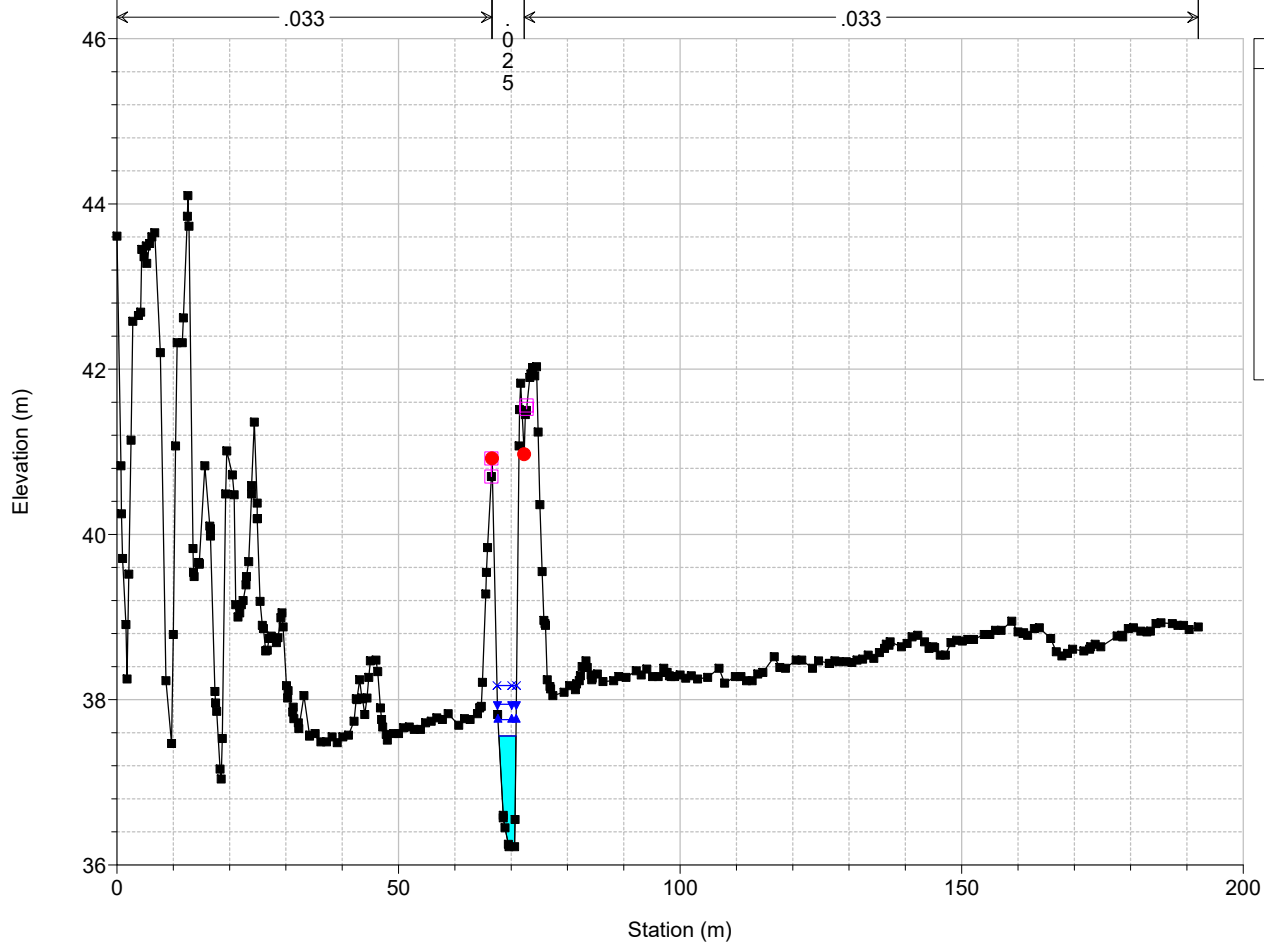
RS = 837



Legend

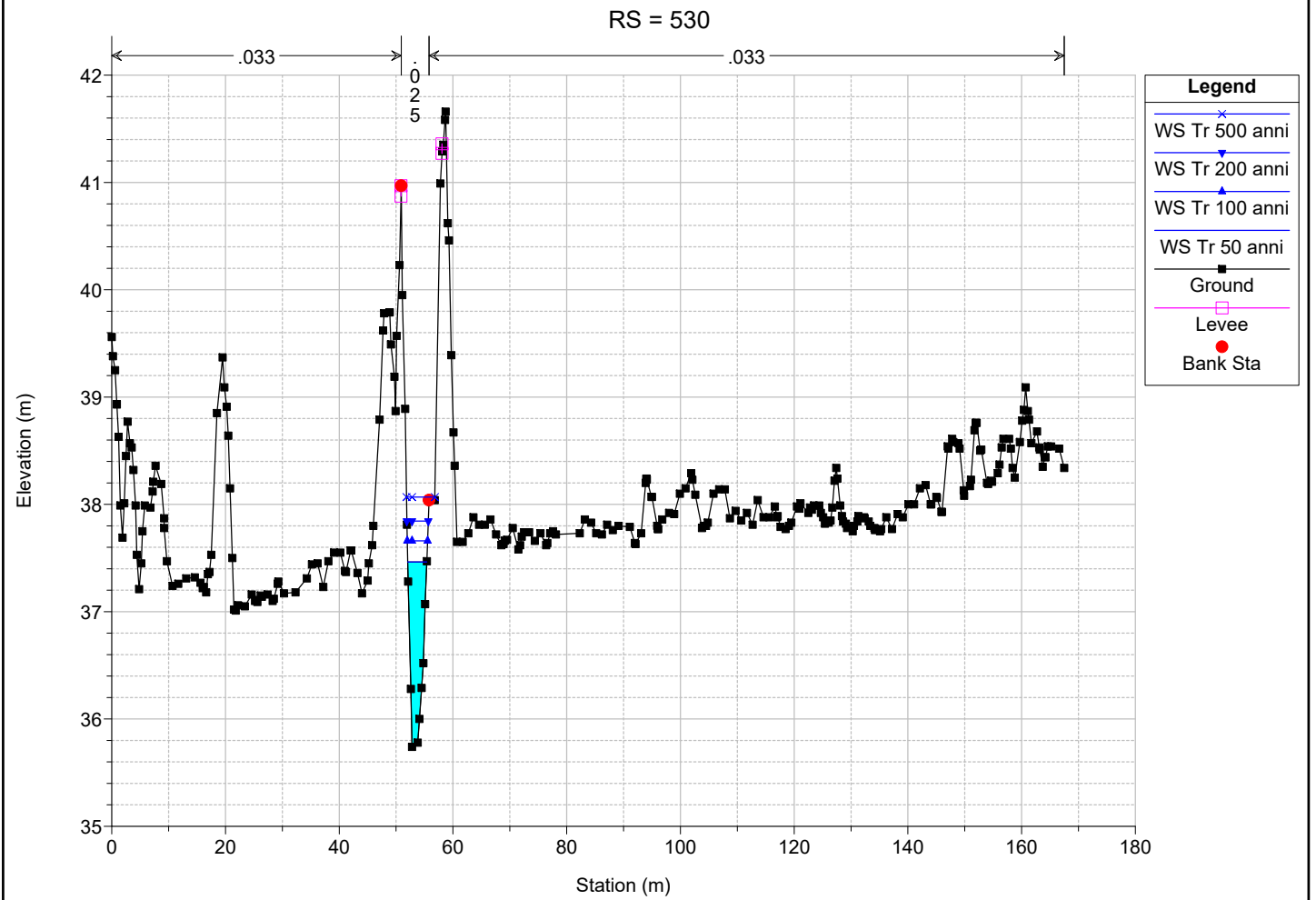
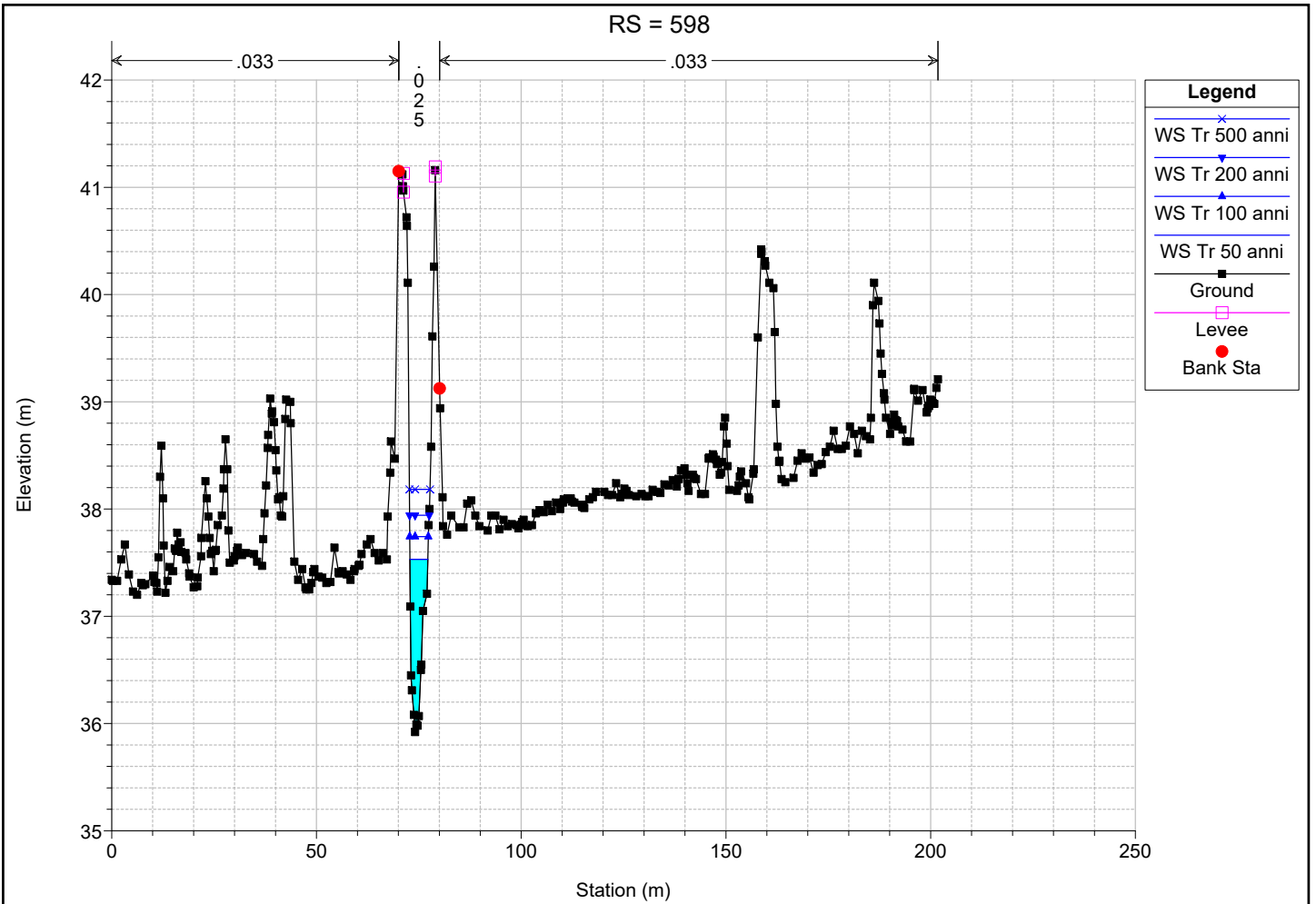
- WS Tr 500 anni
- WS Tr 200 anni
- WS Tr 100 anni
- WS Tr 50 anni
- Ground
- Levee
- Bank Sta

RS = 719

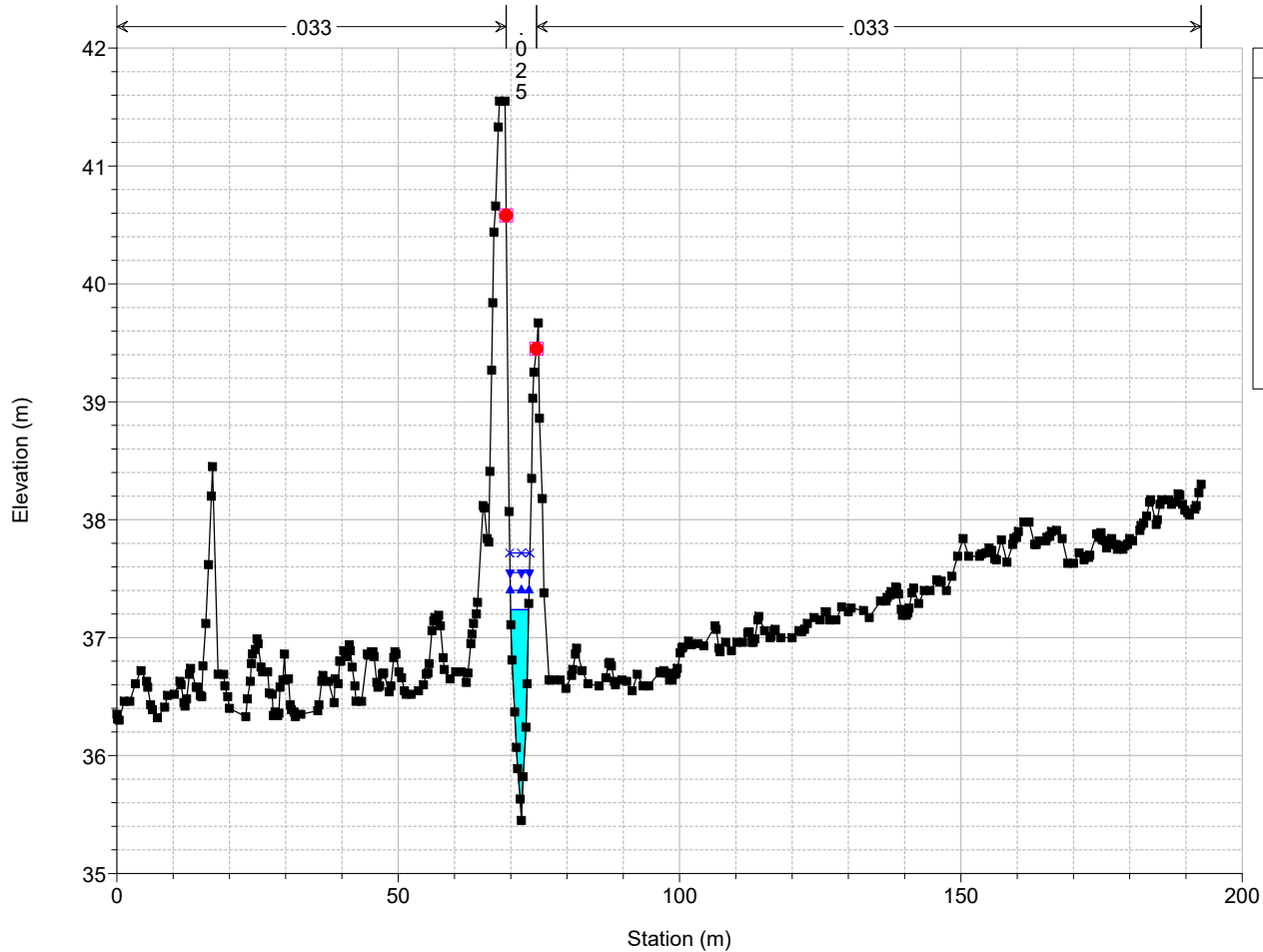


Legend

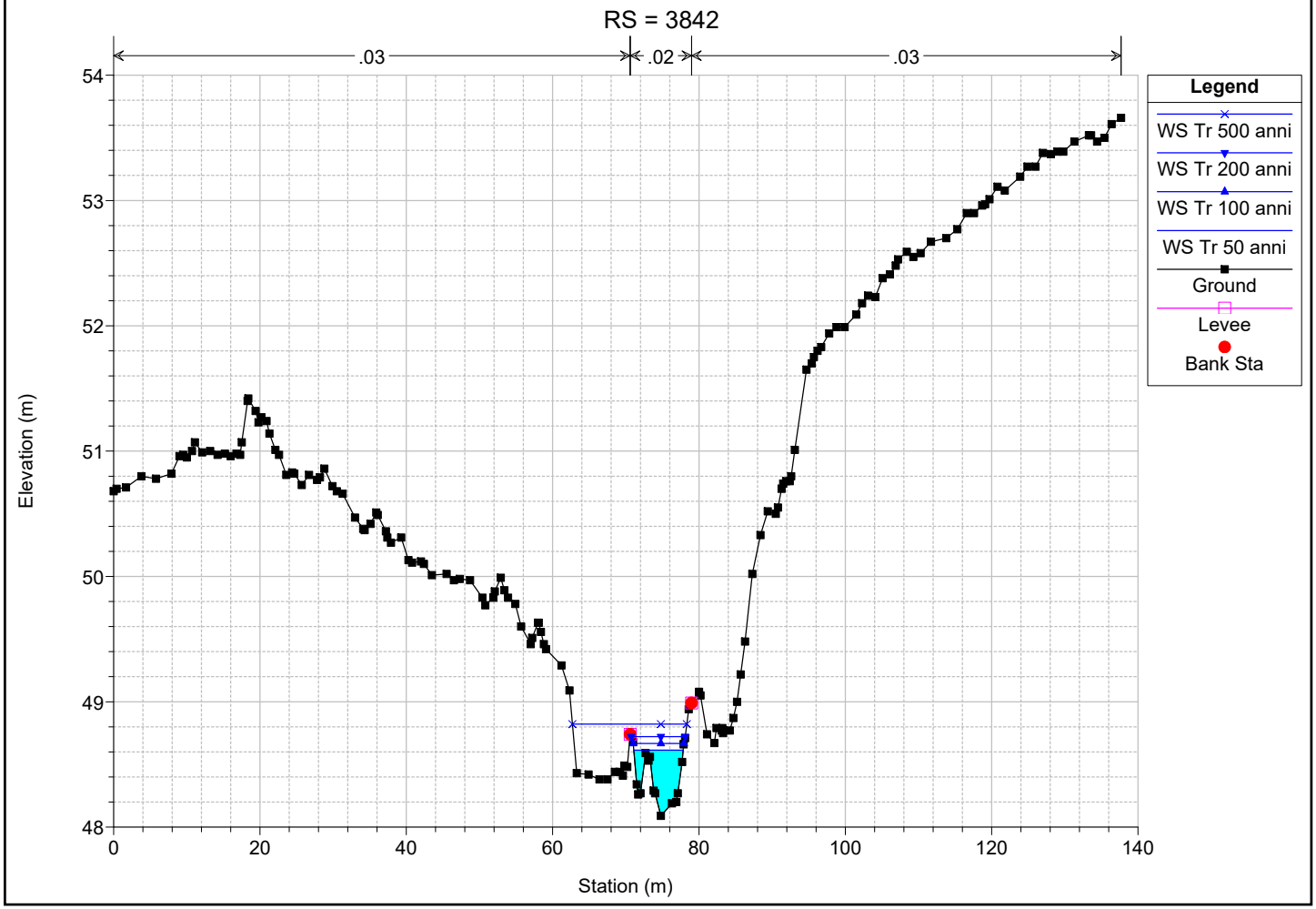
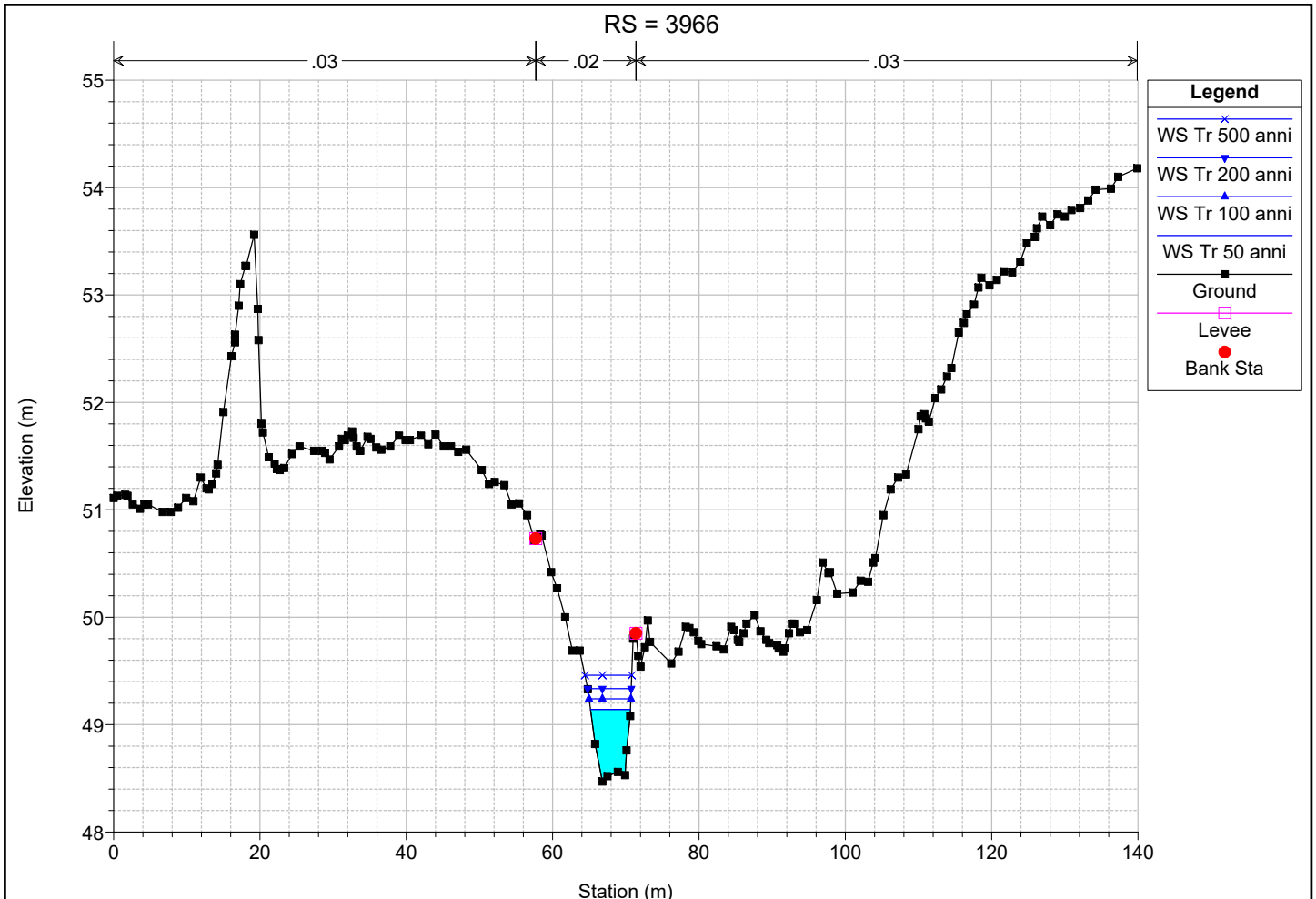
- WS Tr 500 anni
- WS Tr 200 anni
- WS Tr 100 anni
- WS Tr 50 anni
- Ground
- Levee
- Bank Sta

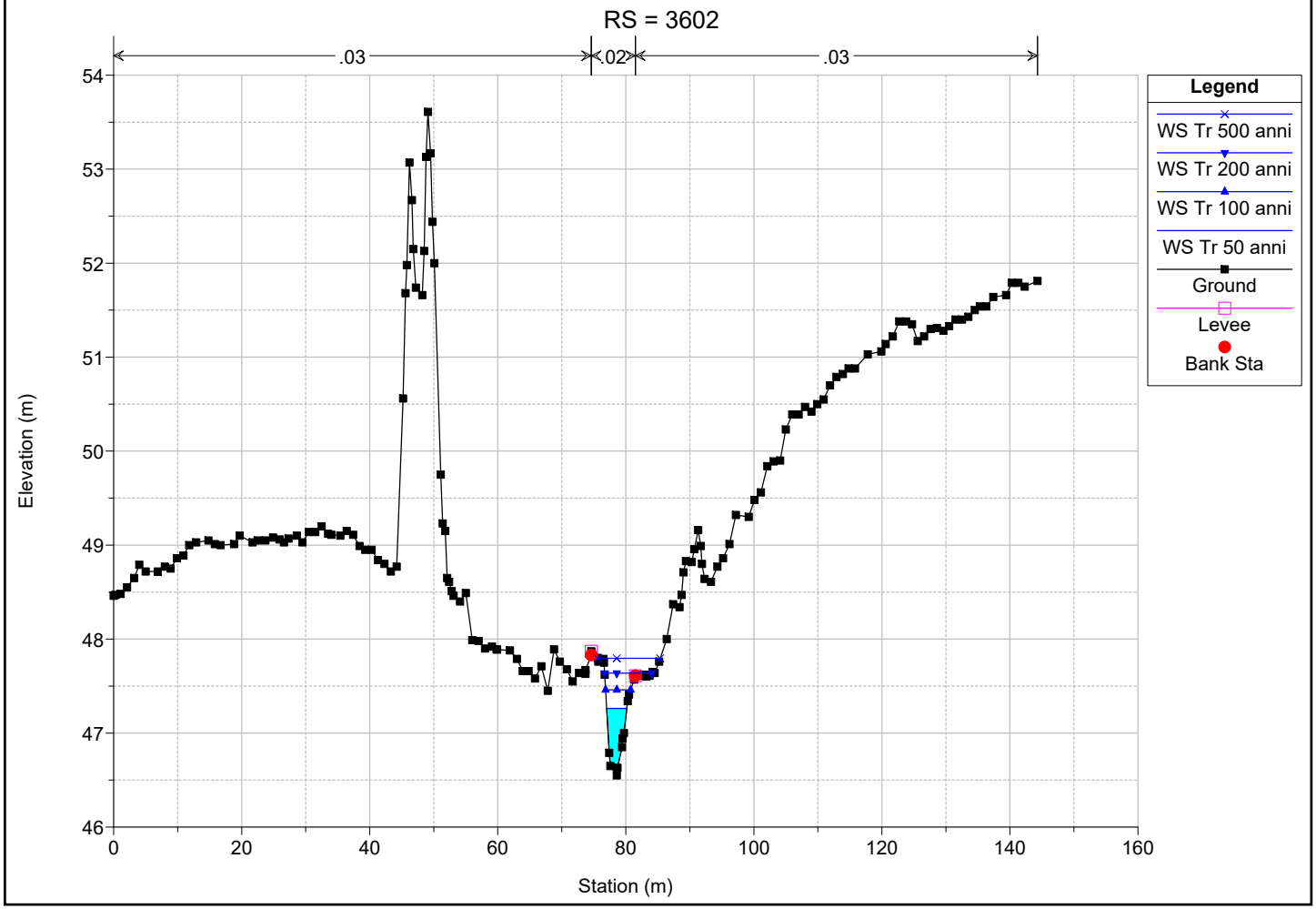
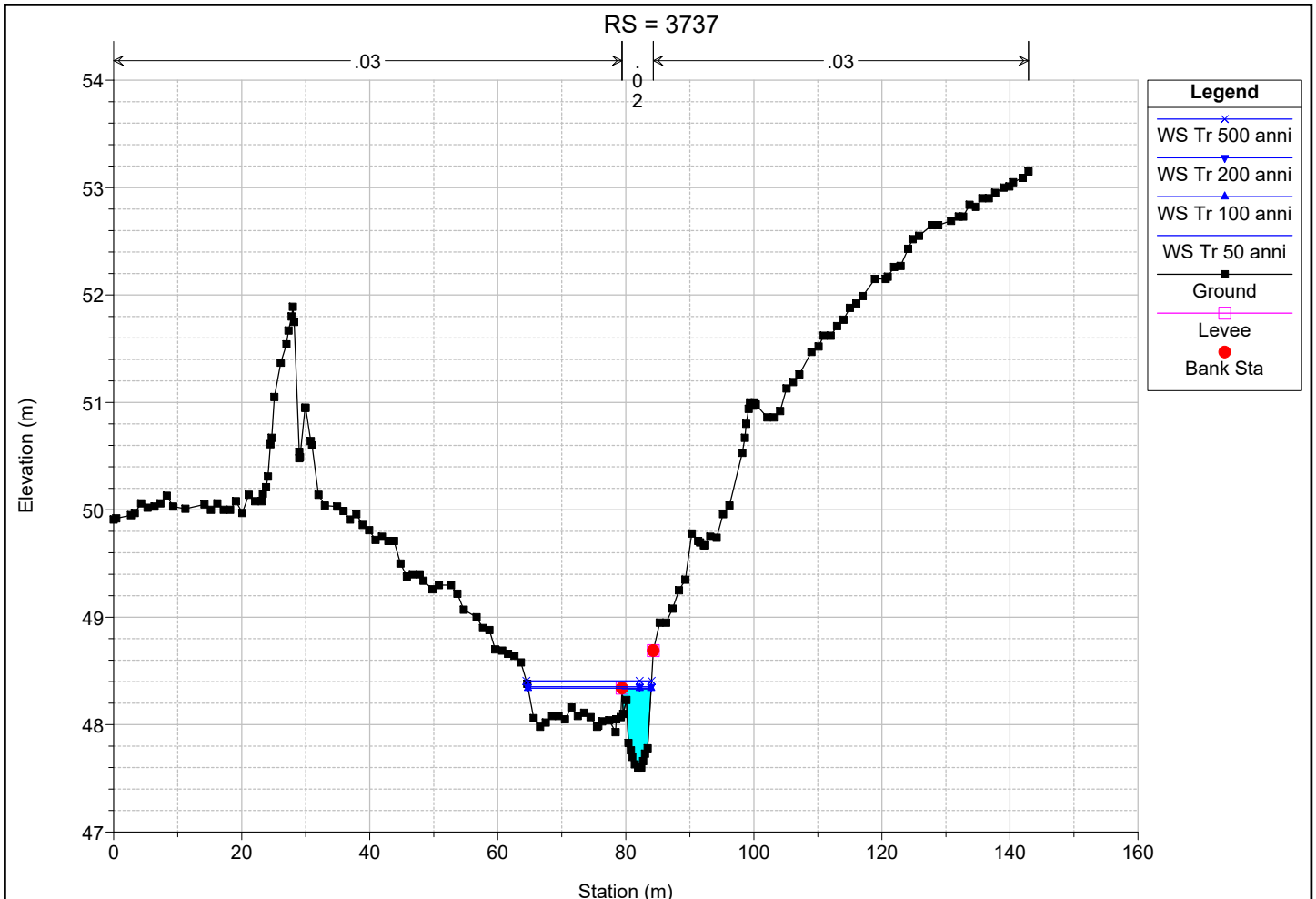


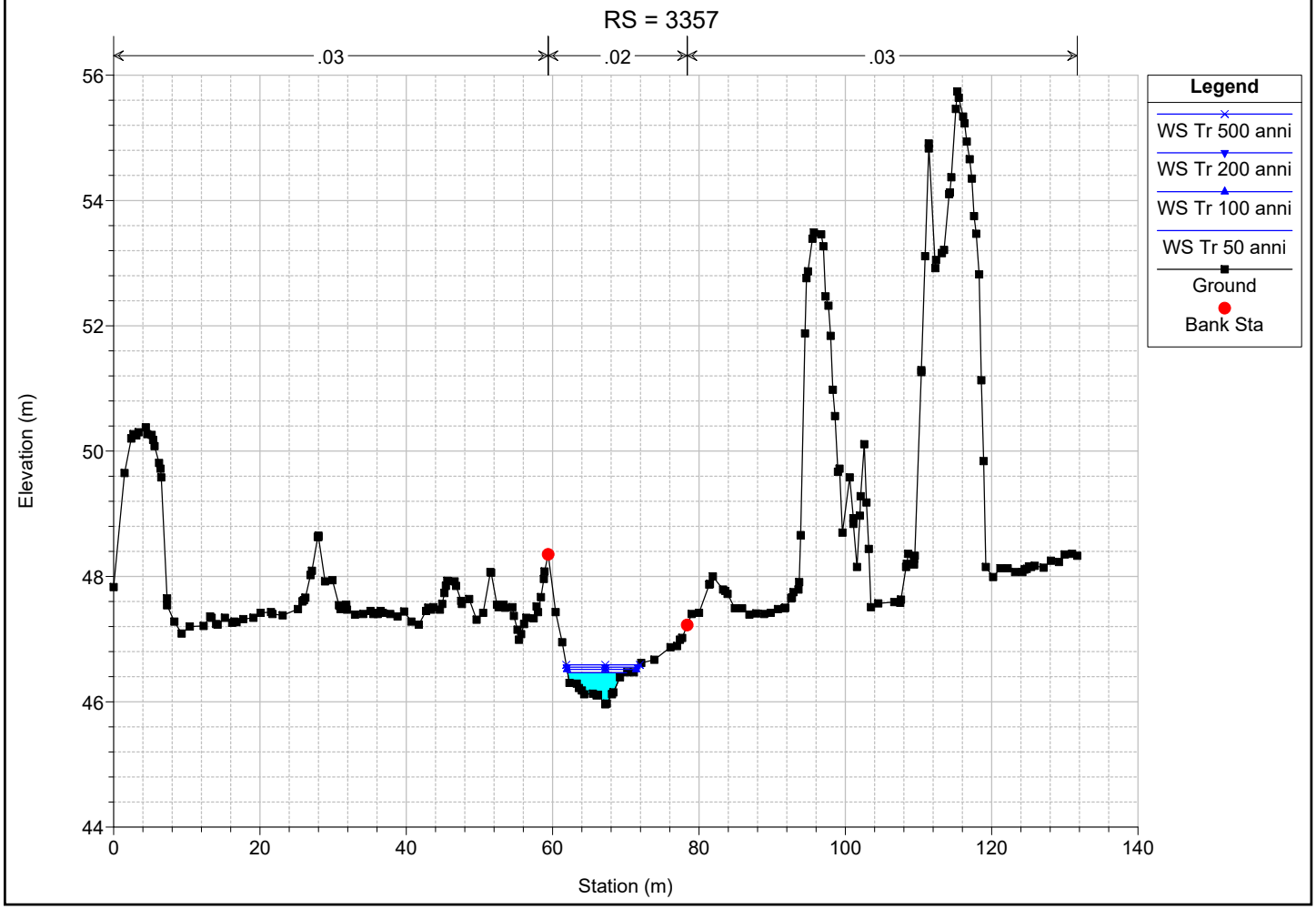
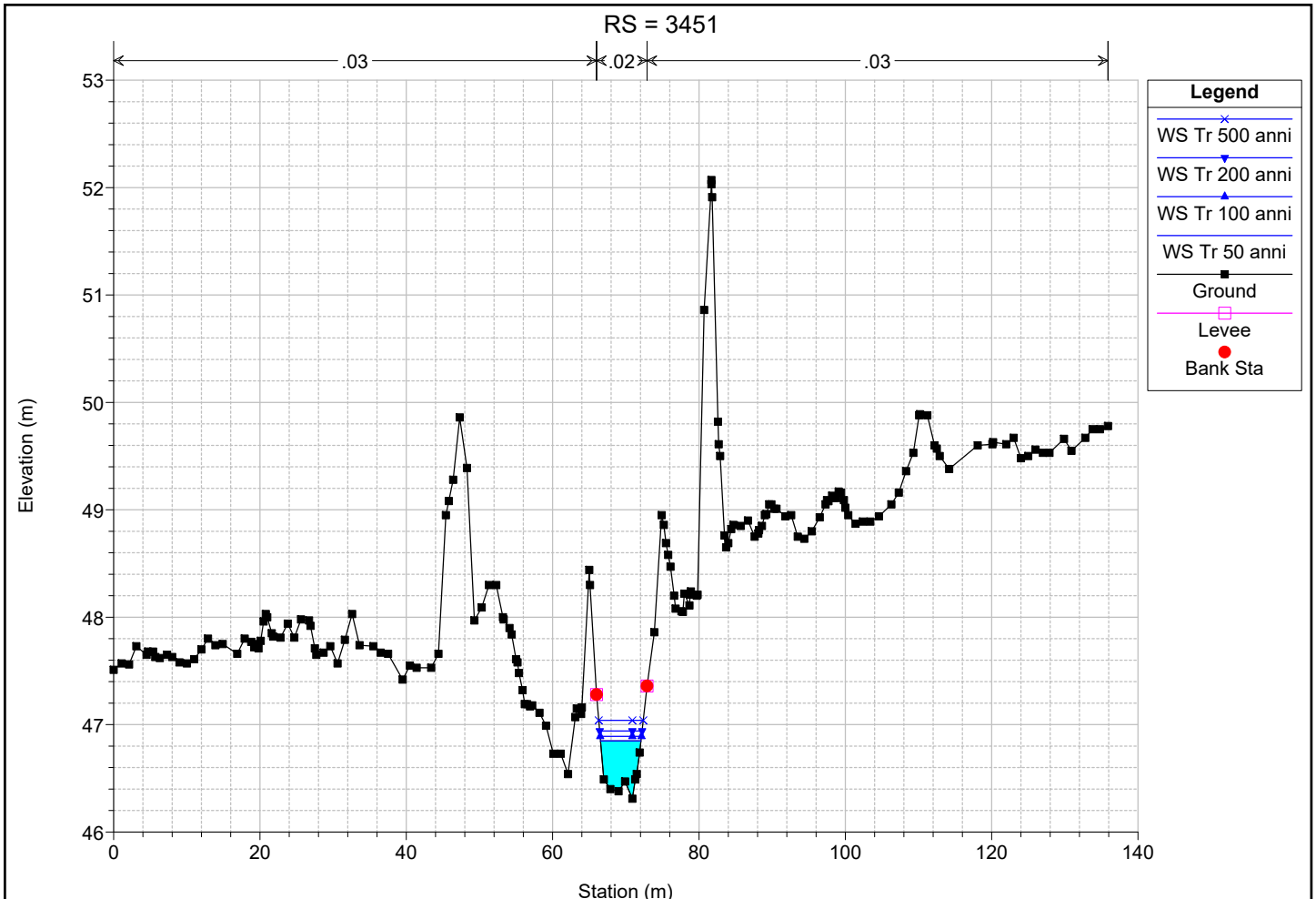
RS = 316

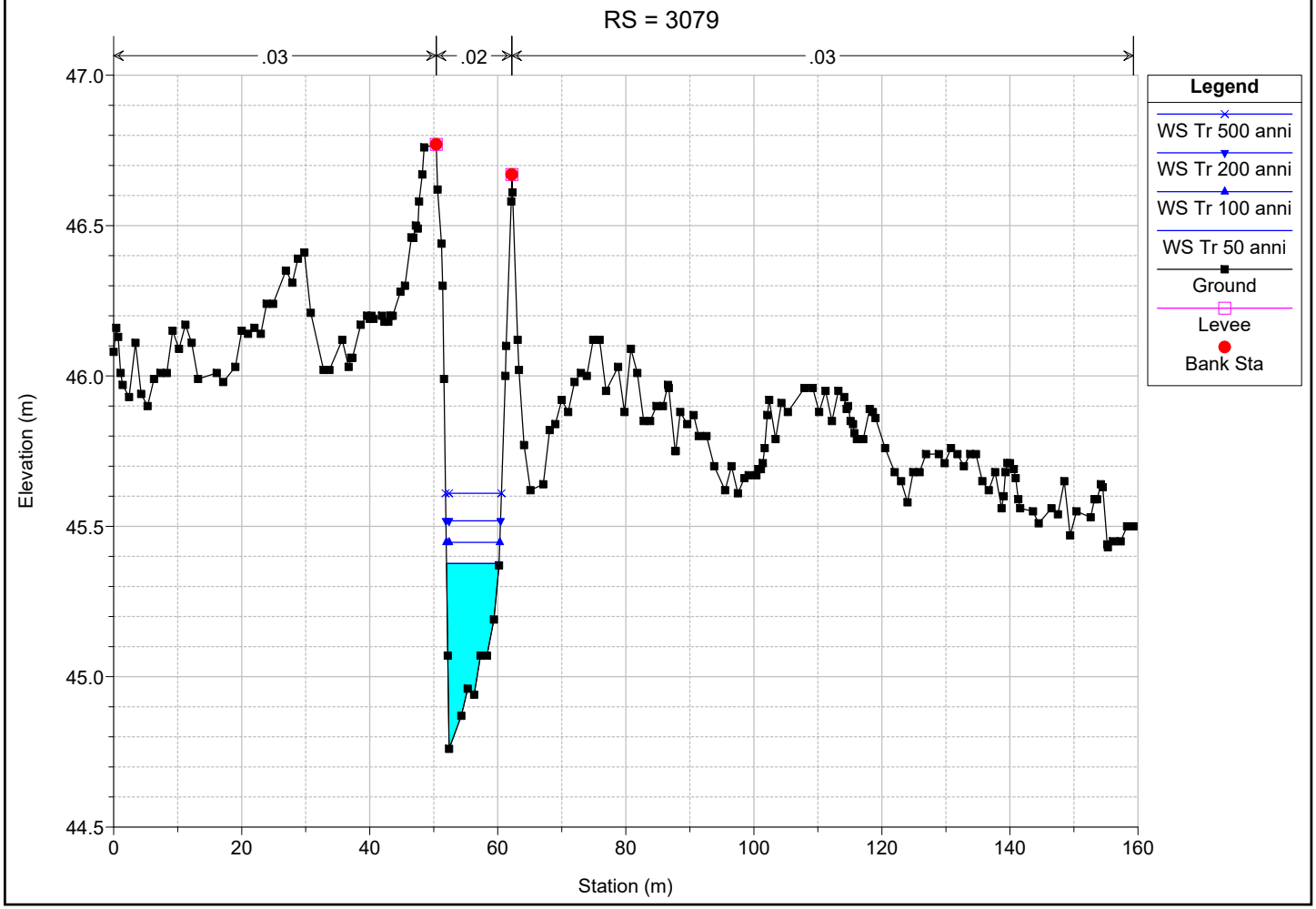
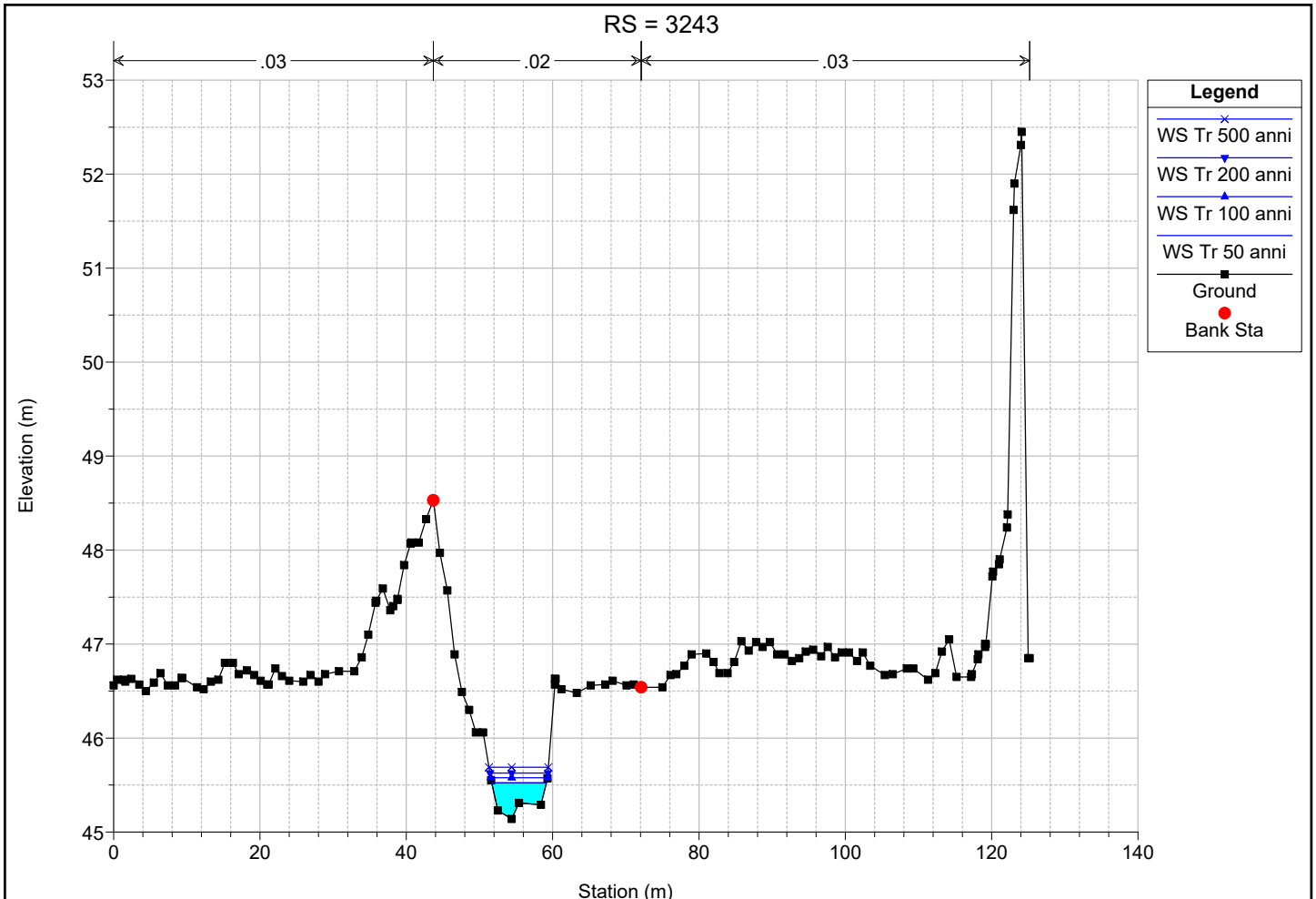


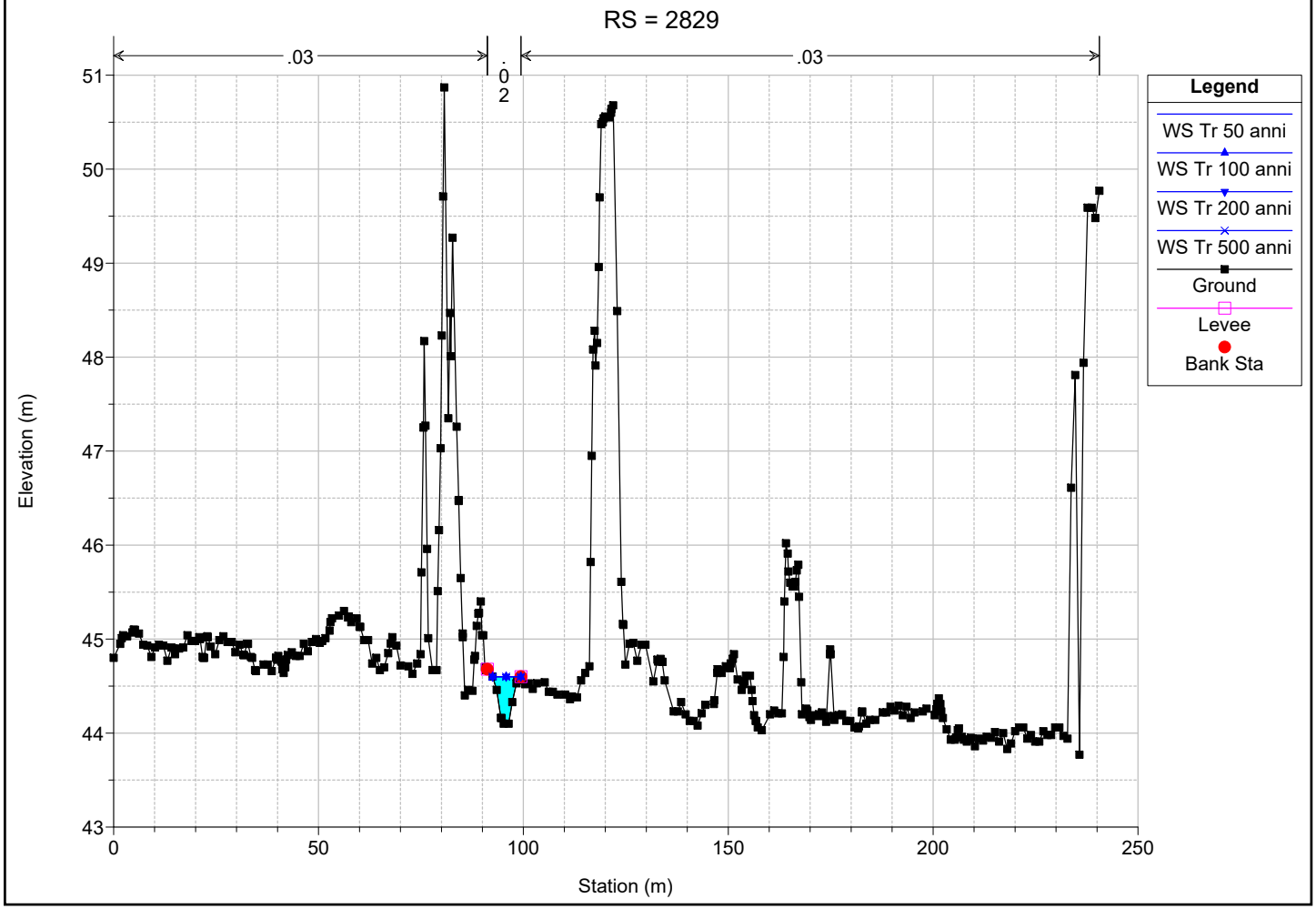
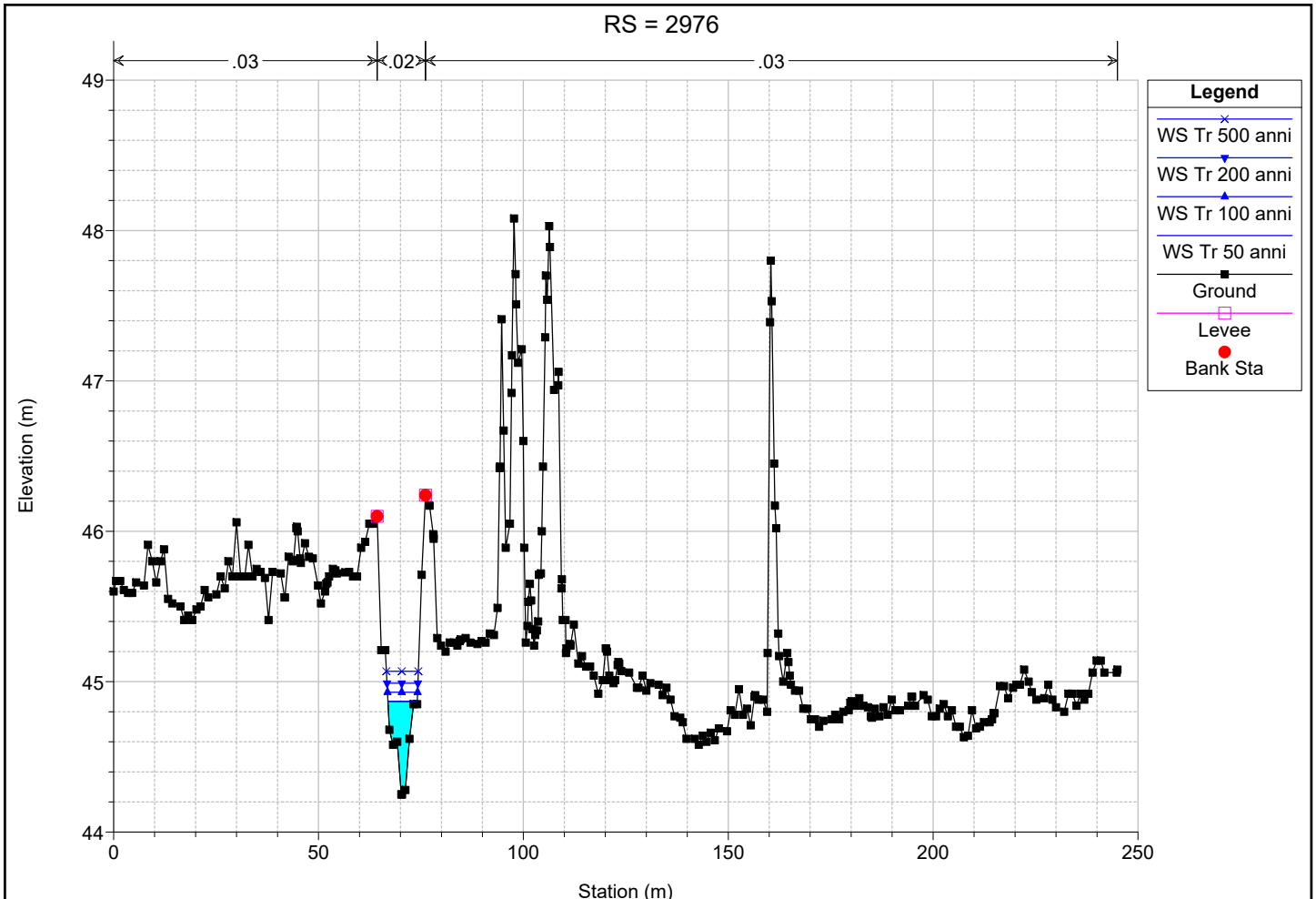
Legend	
WS Tr 500 anni	×
WS Tr 200 anni	▼
WS Tr 100 anni	▲
WS Tr 50 anni	■
Ground	■
Levee	□
Bank Sta	●

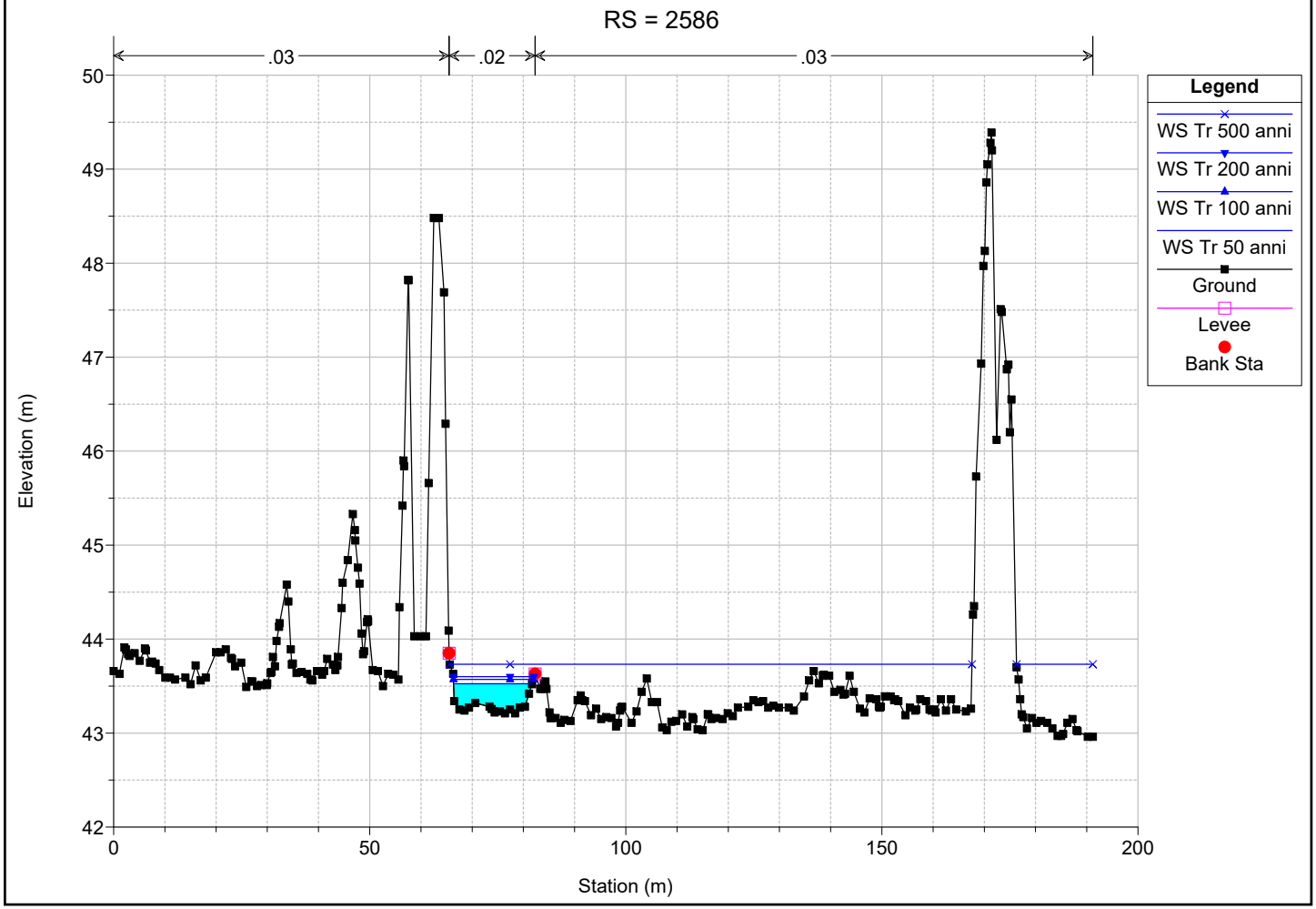
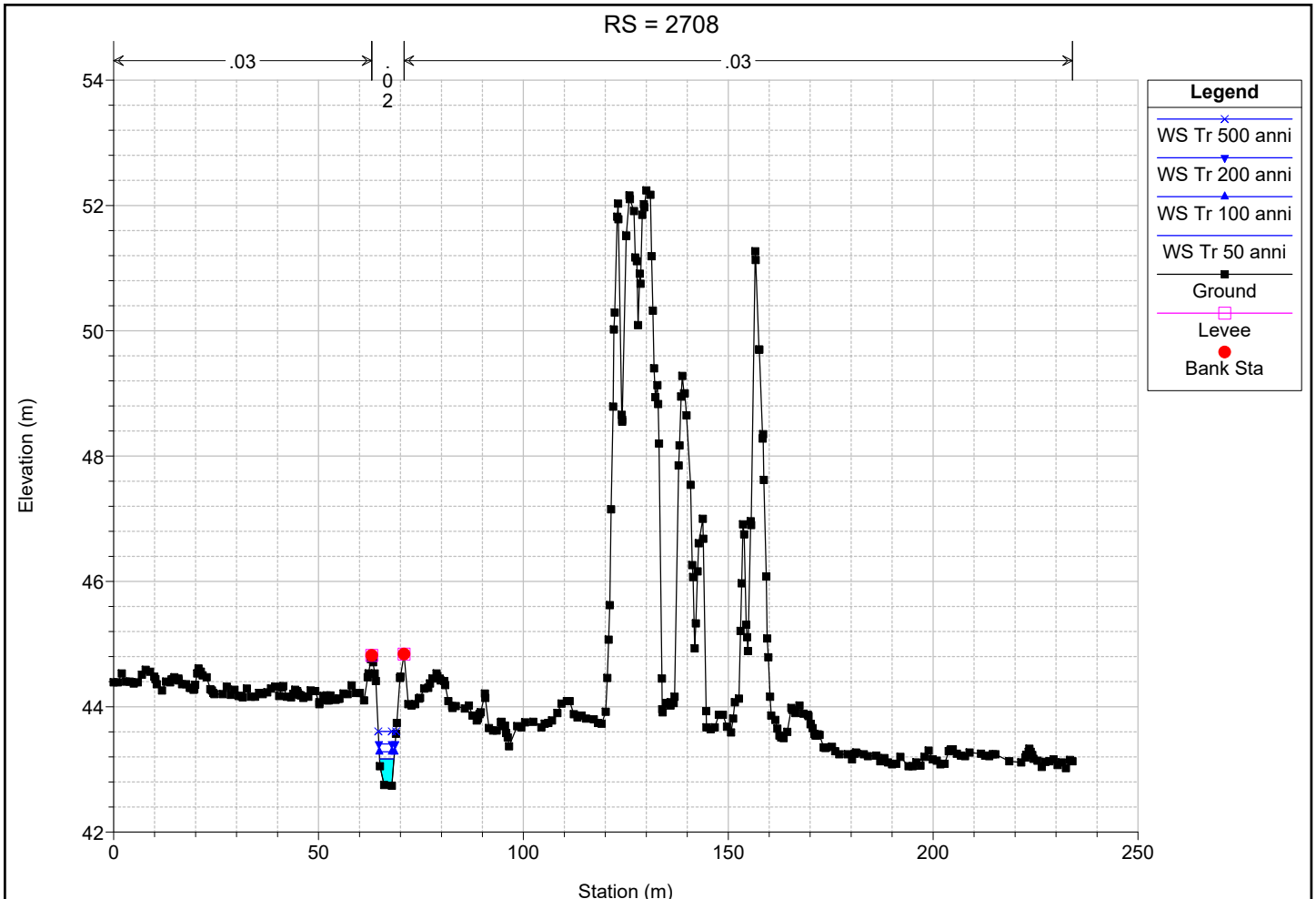


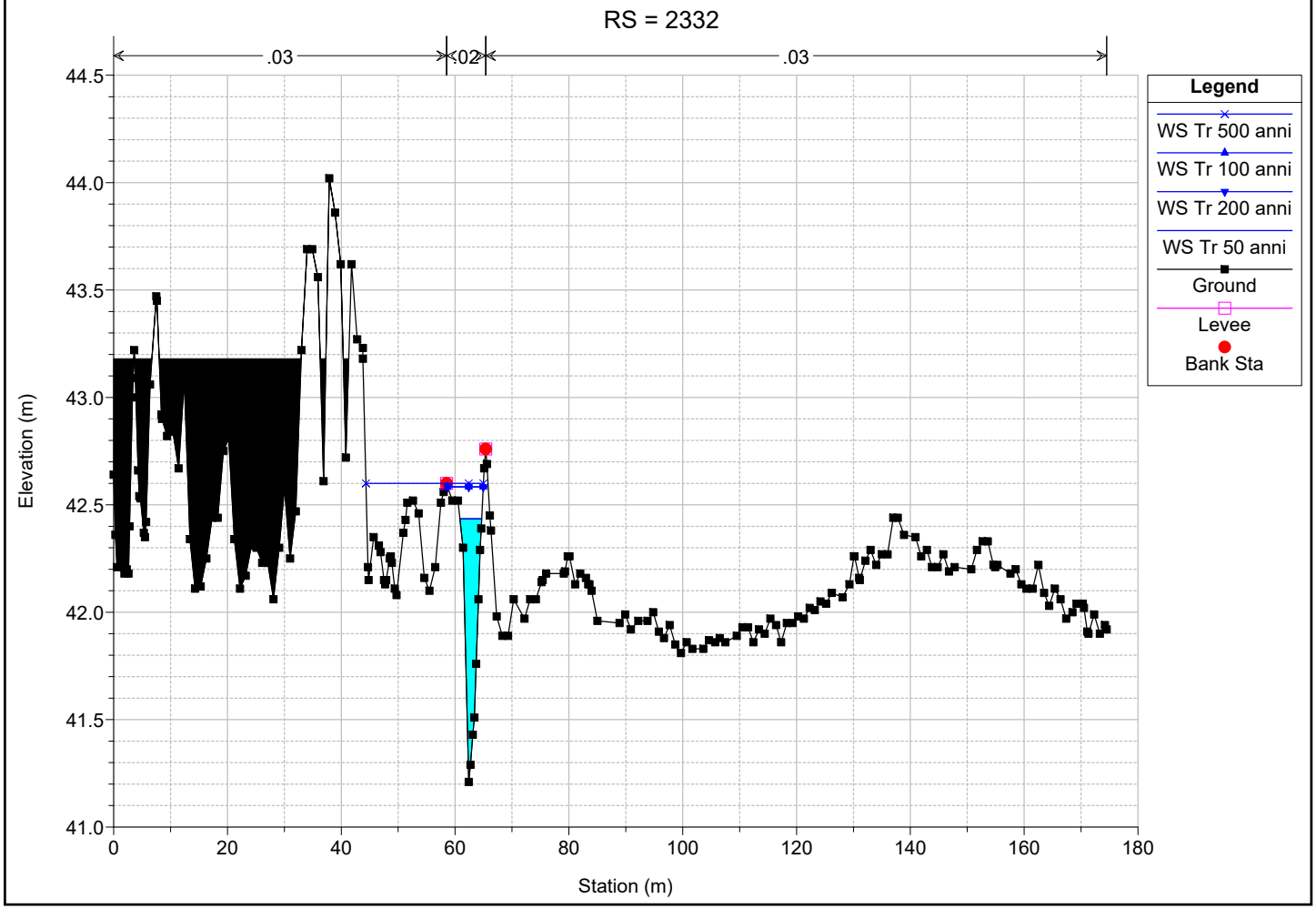
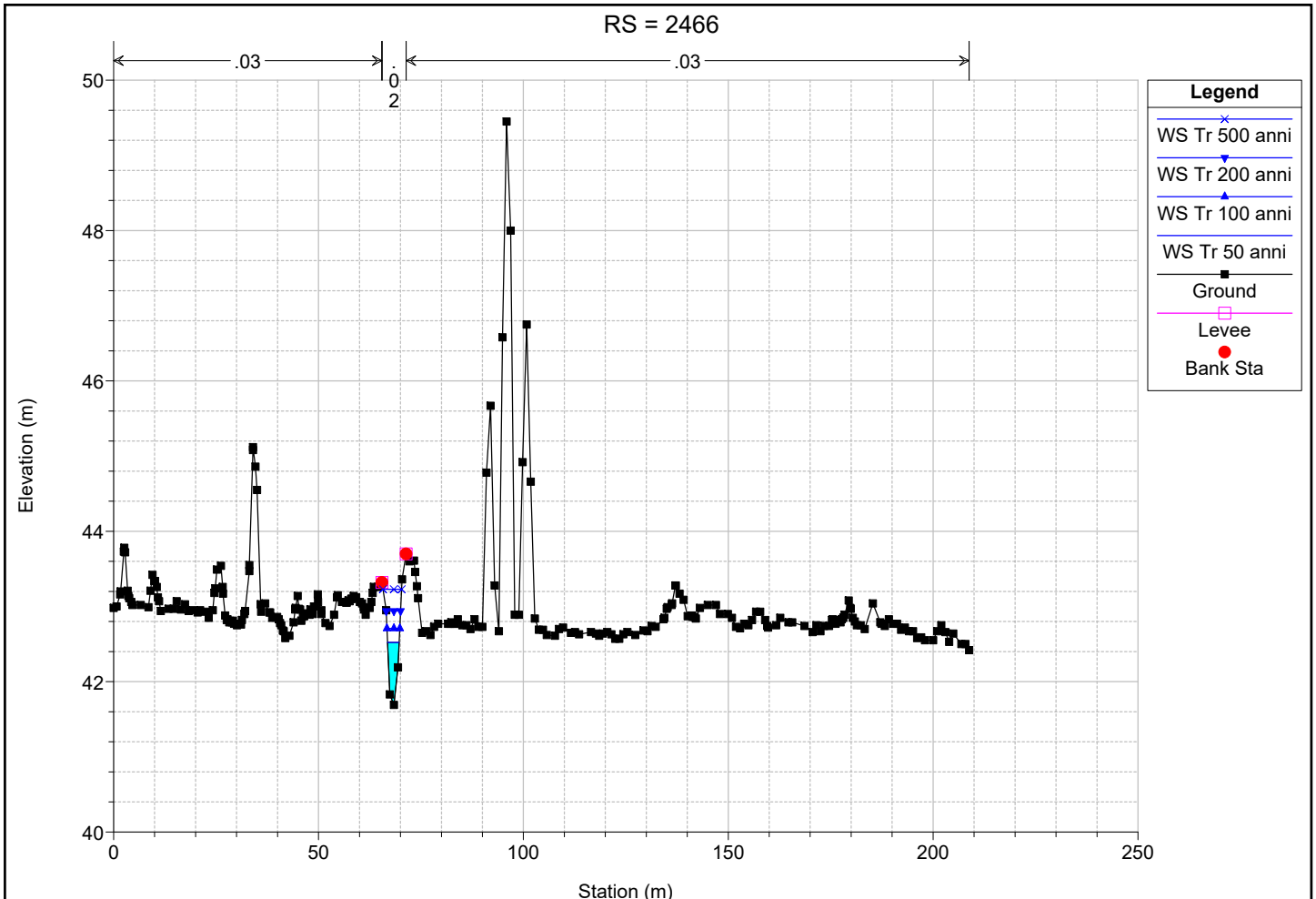


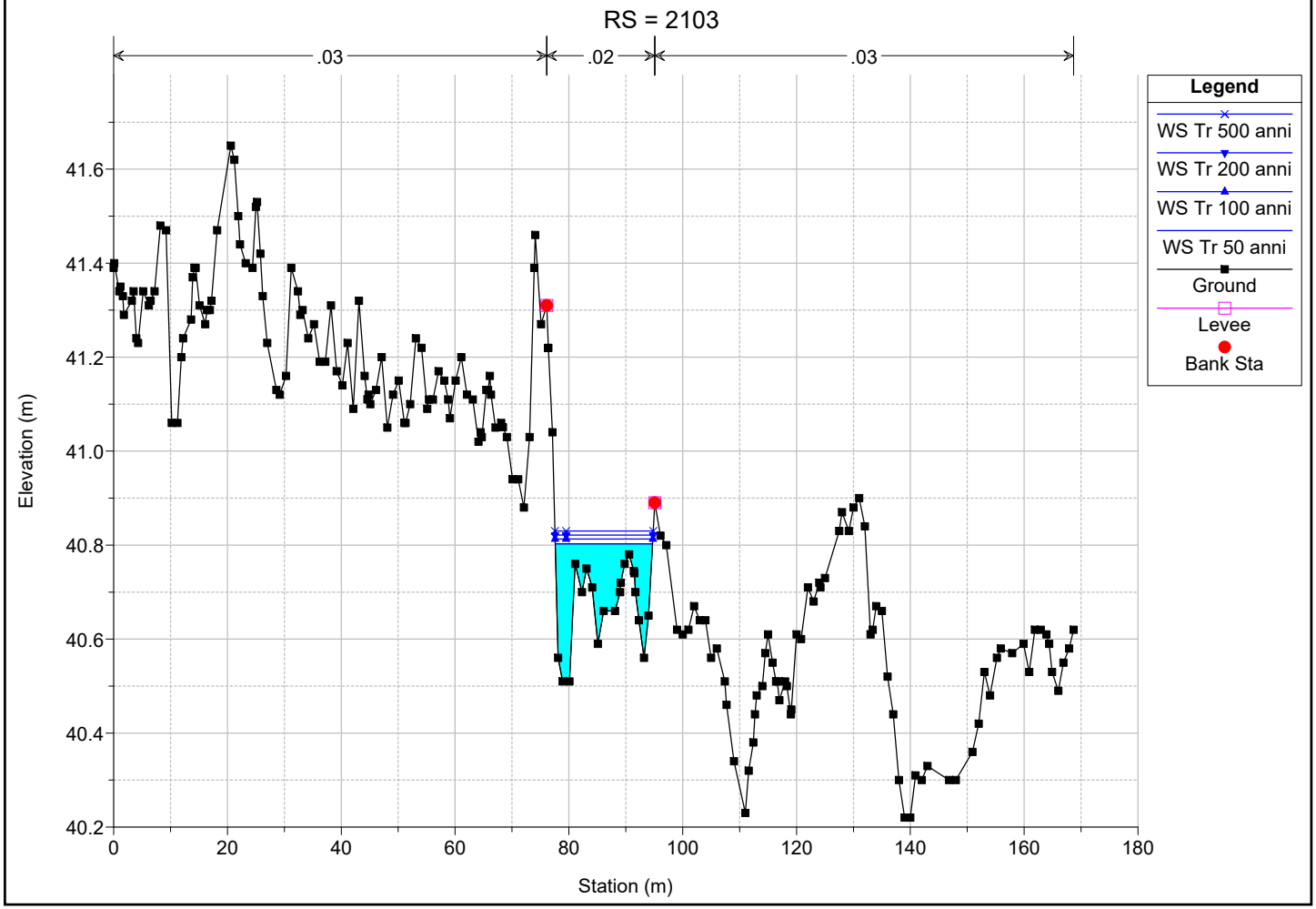
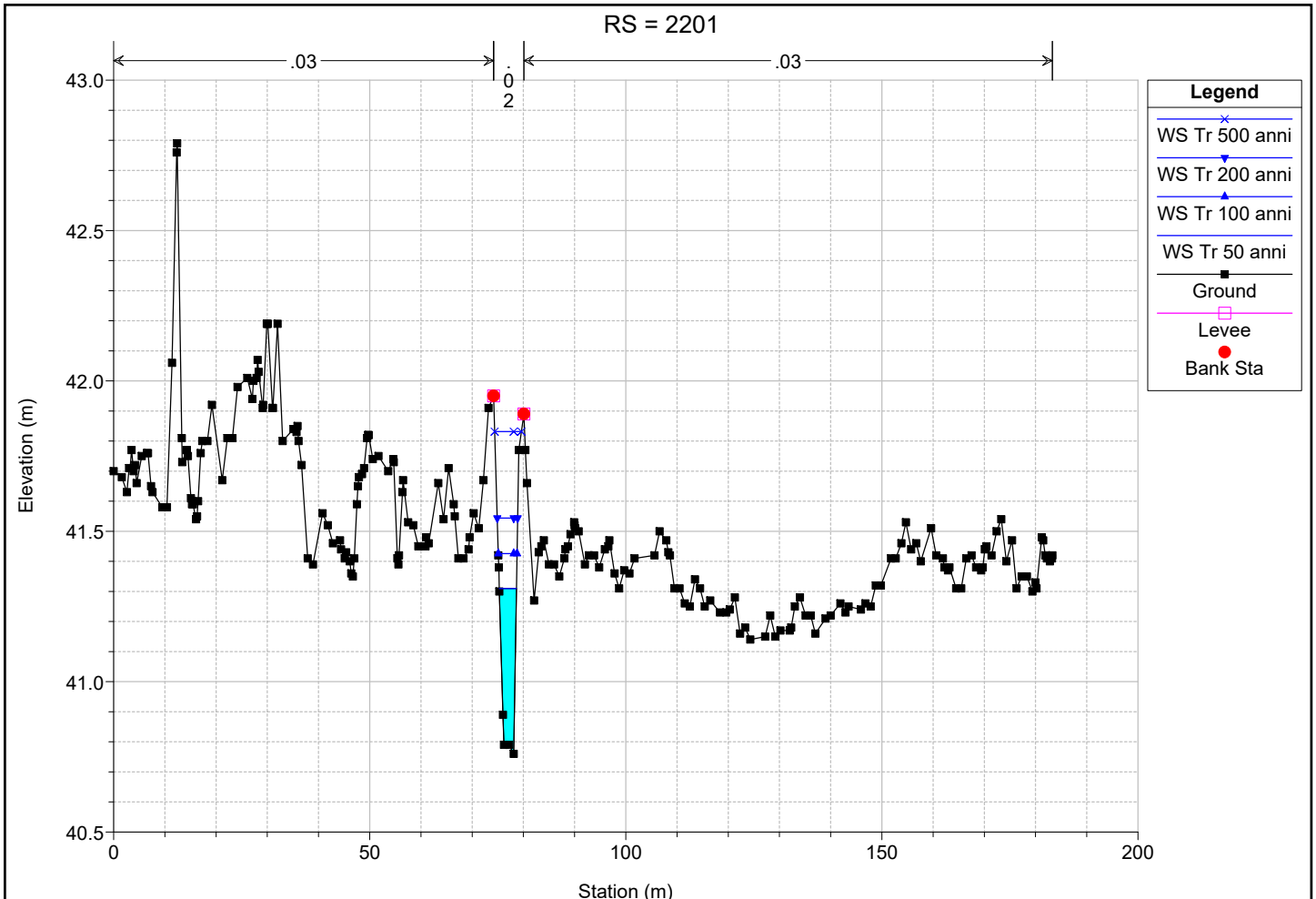


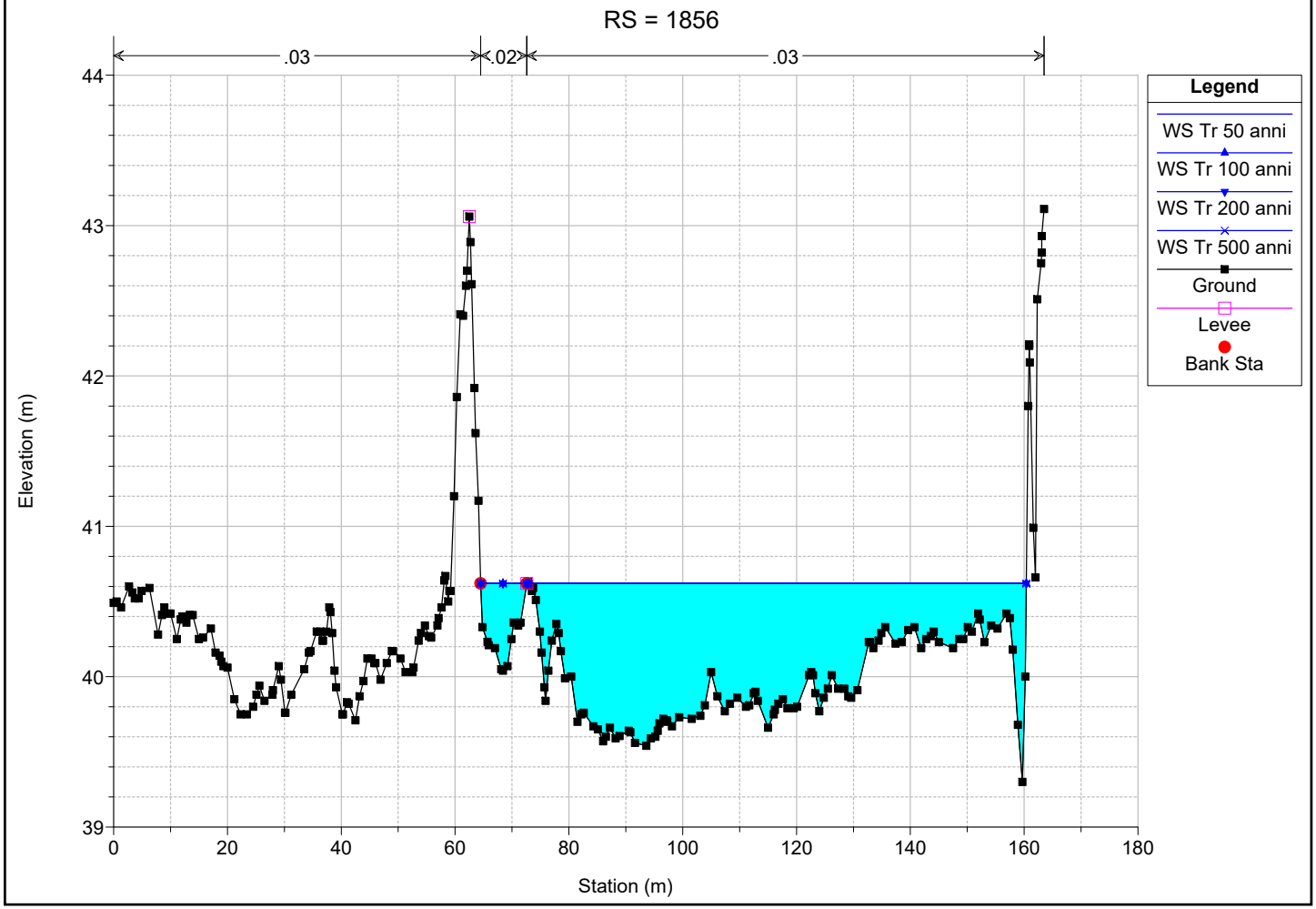
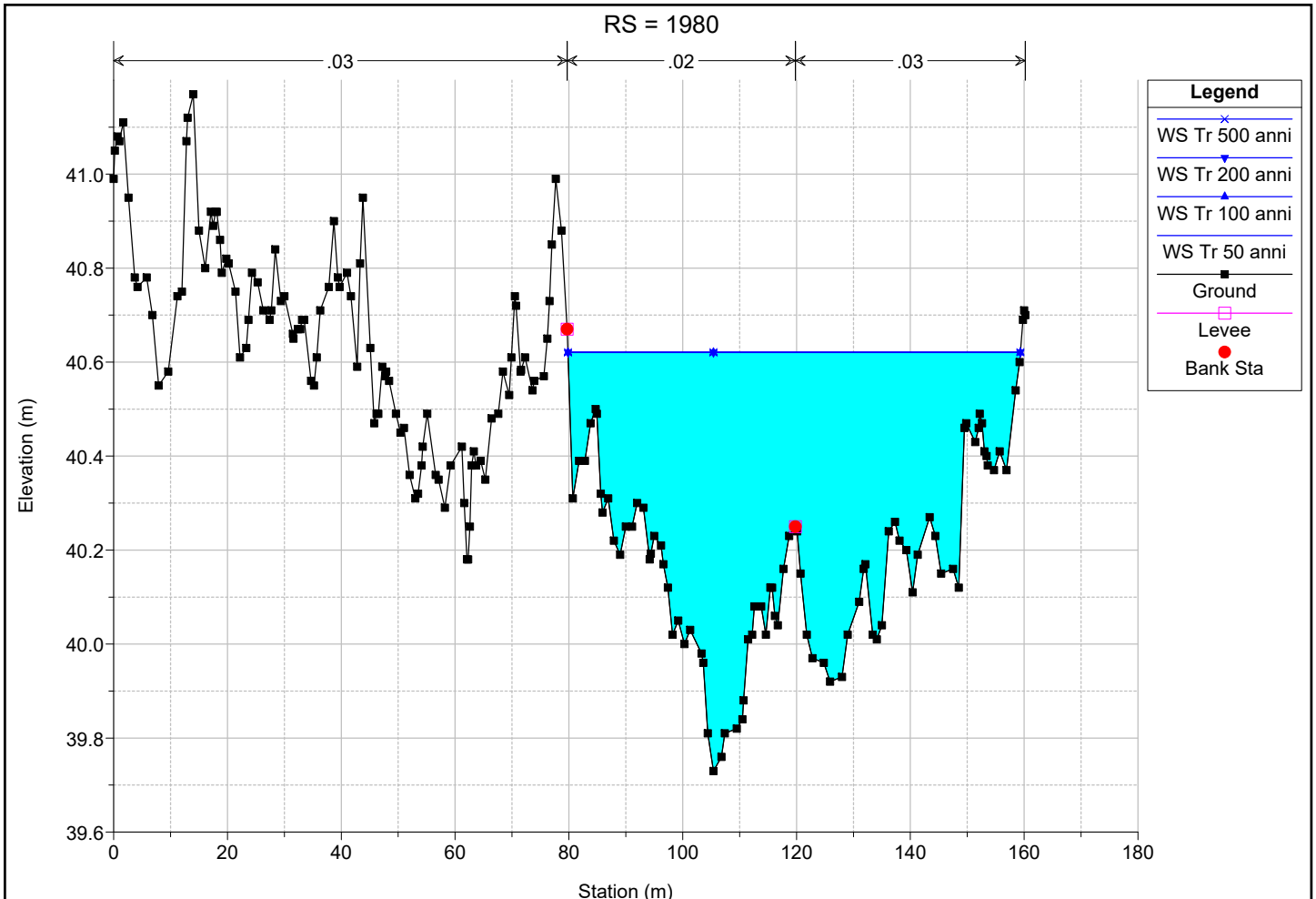


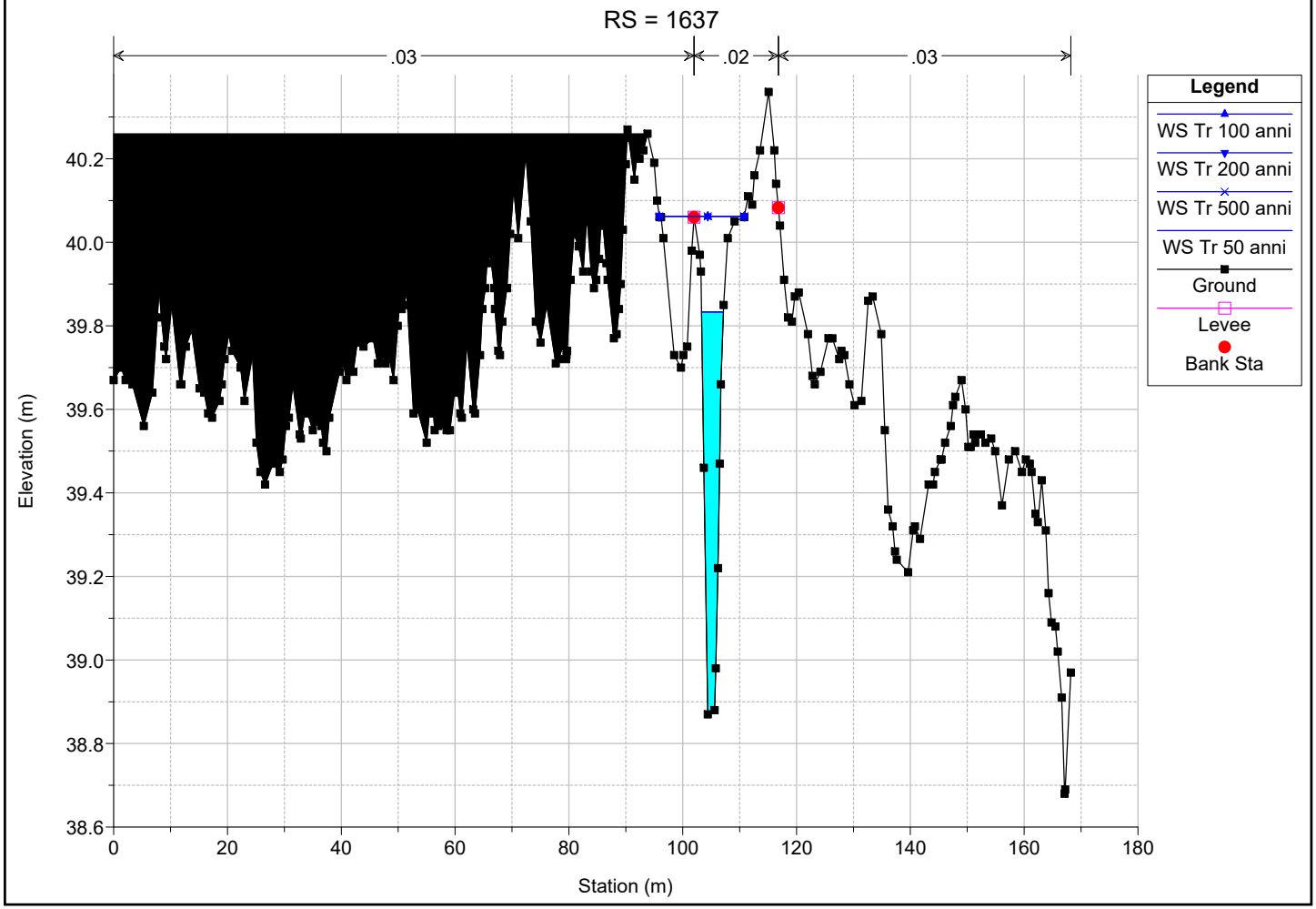
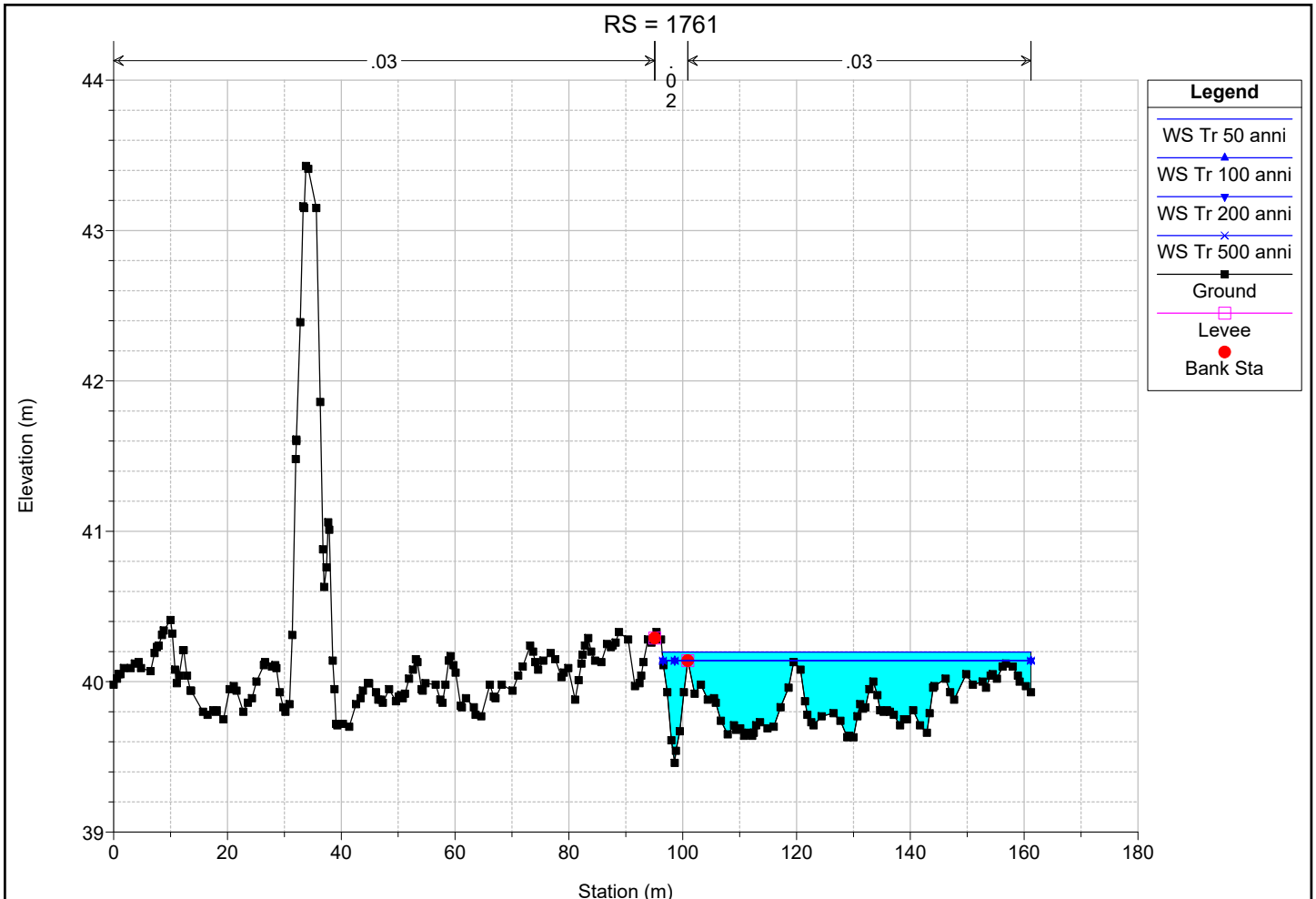


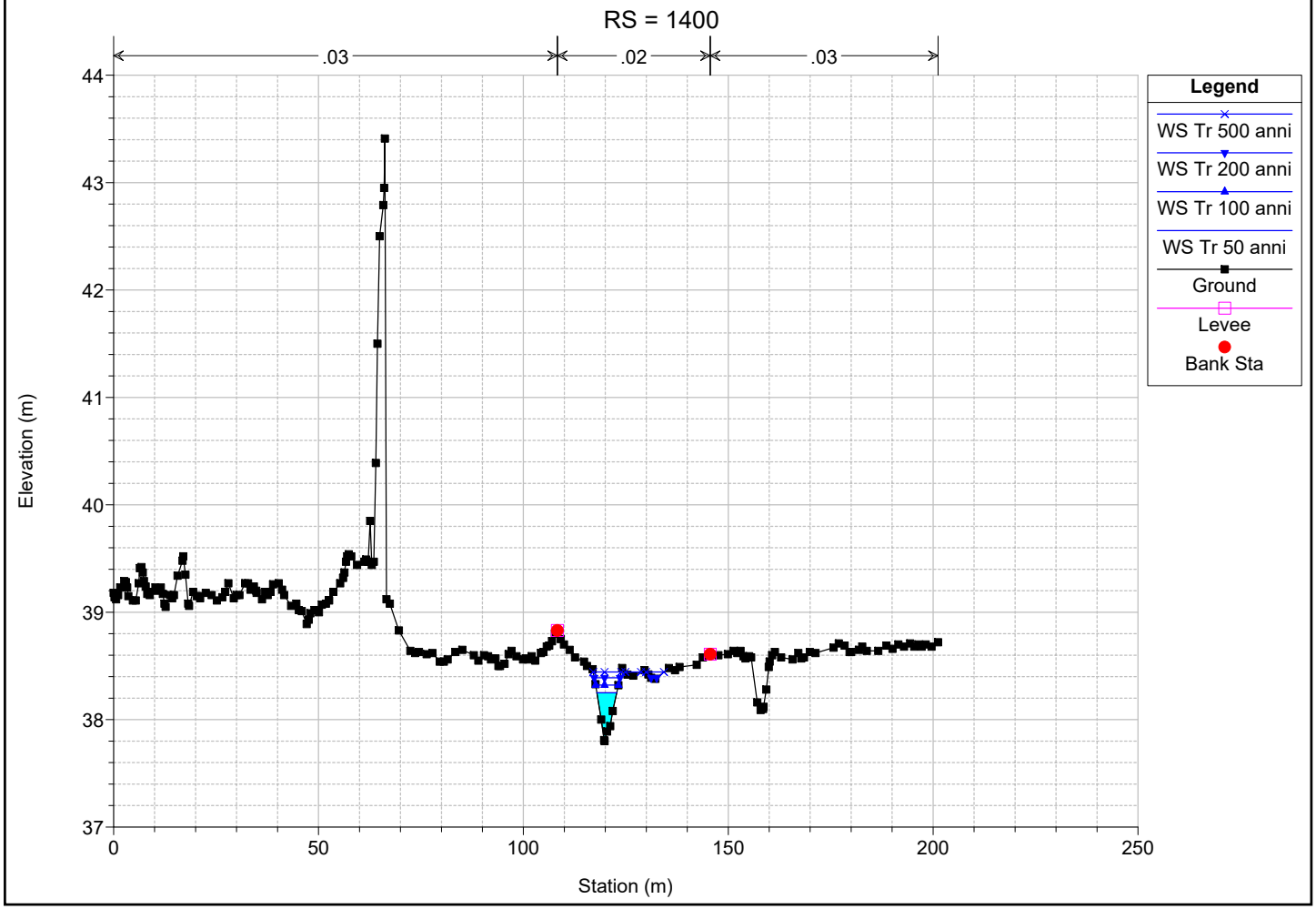
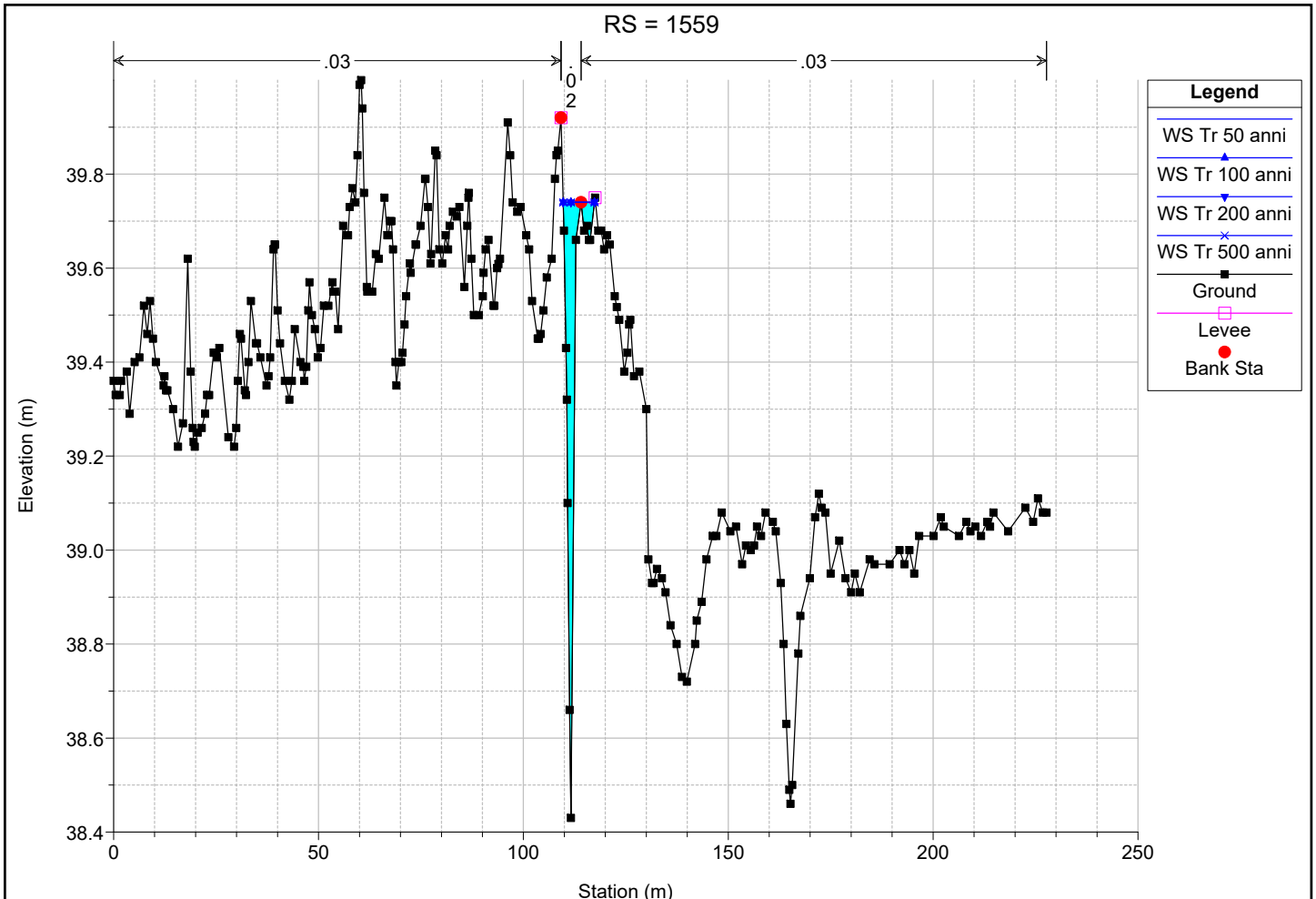


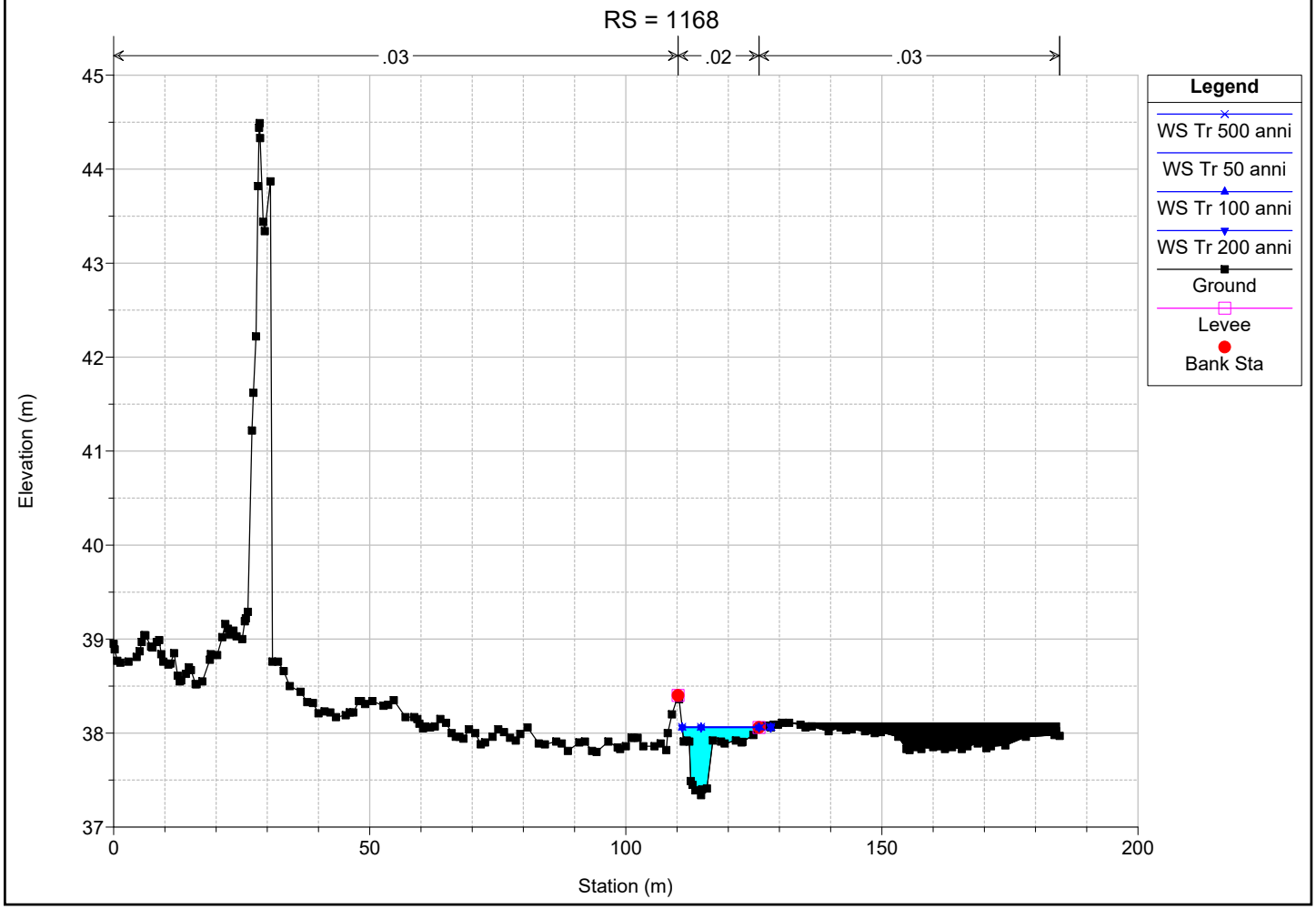
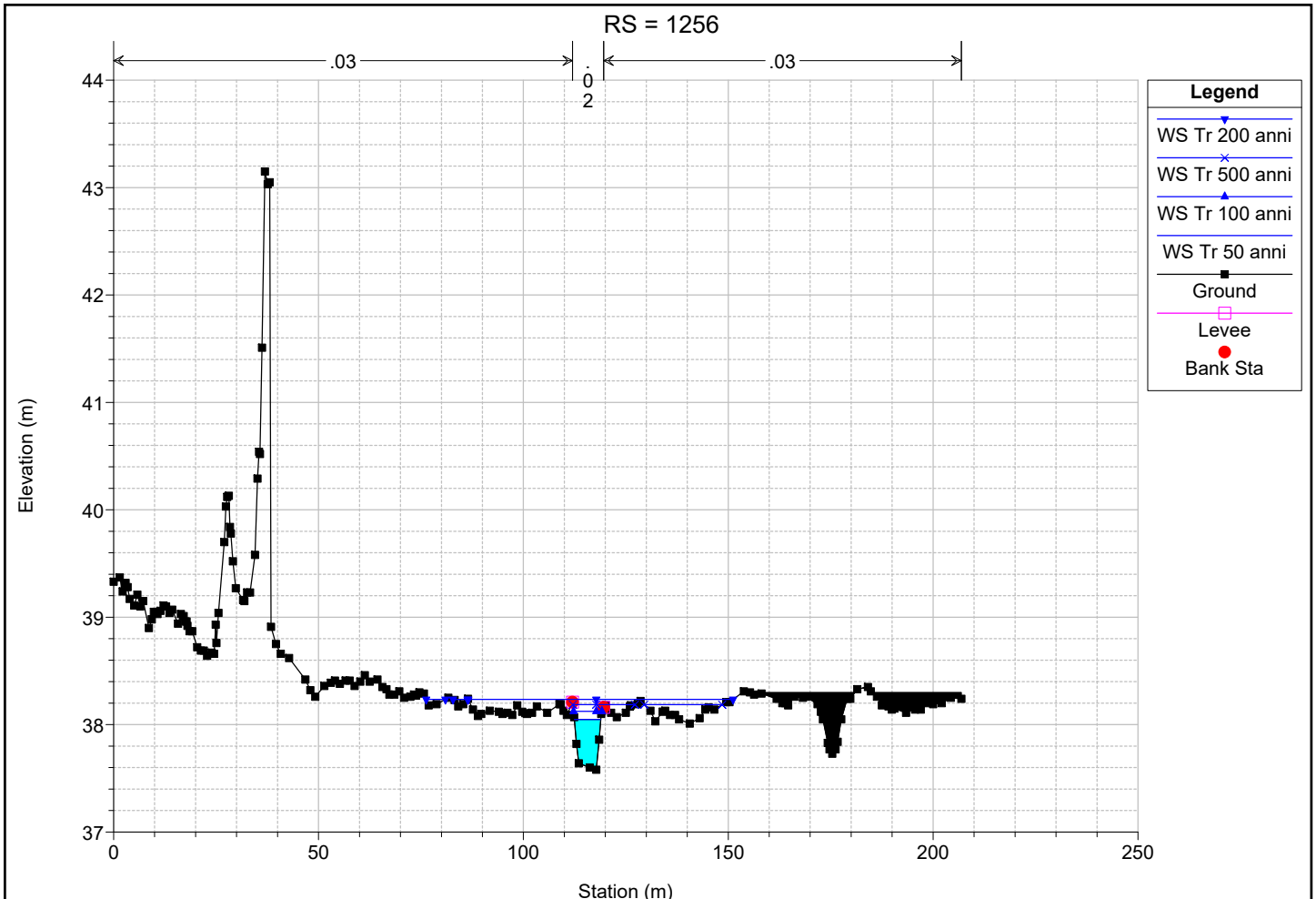


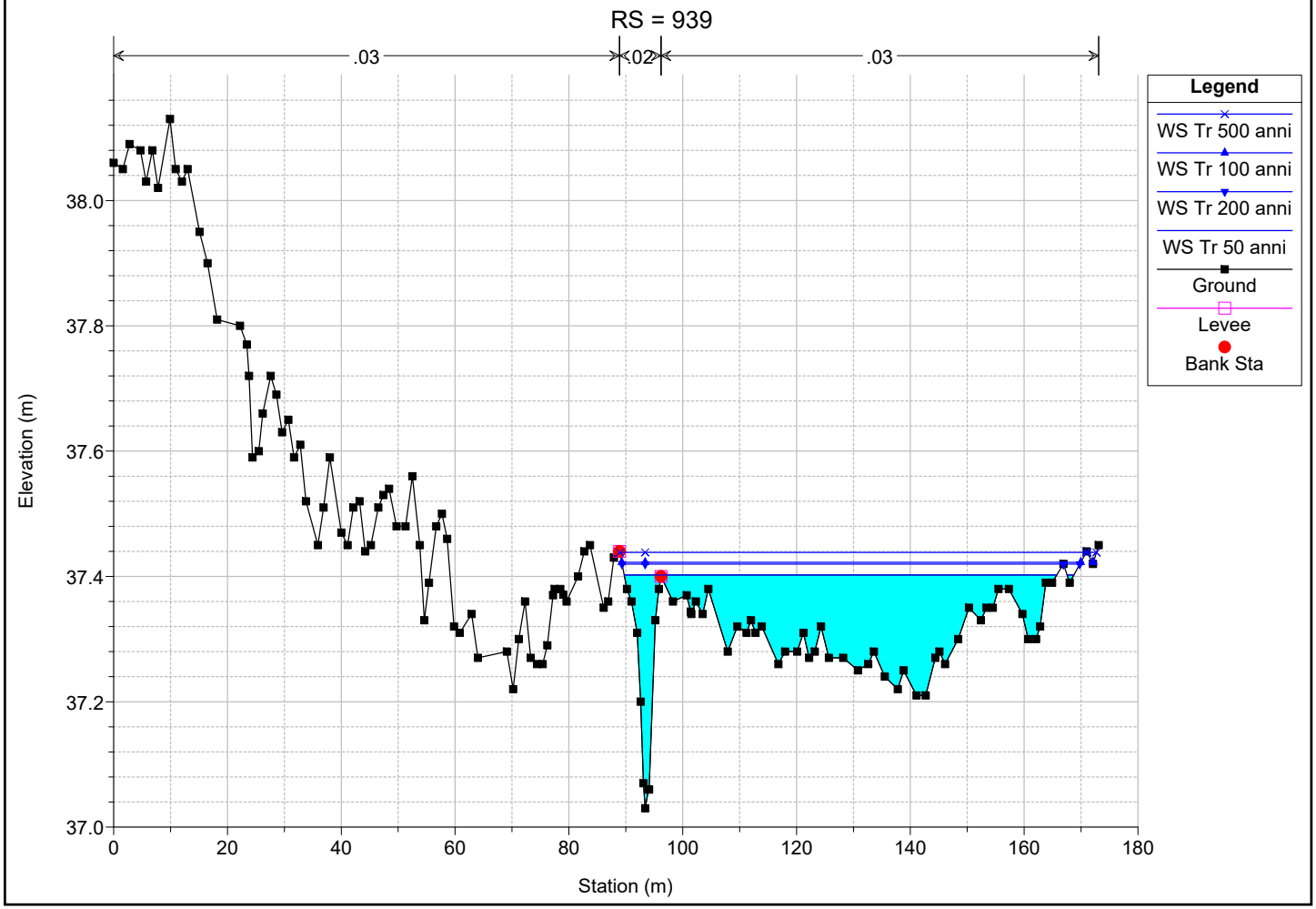
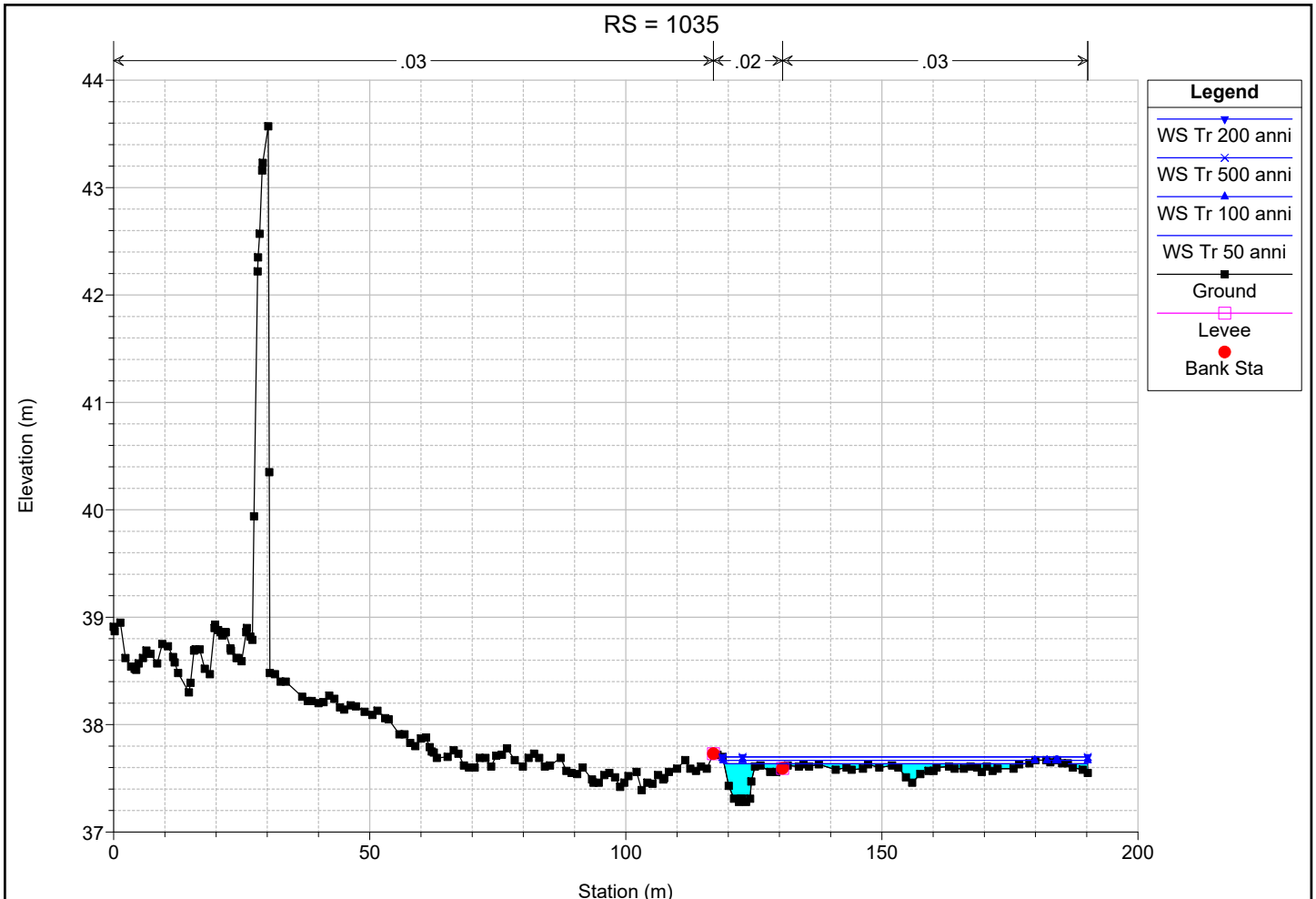


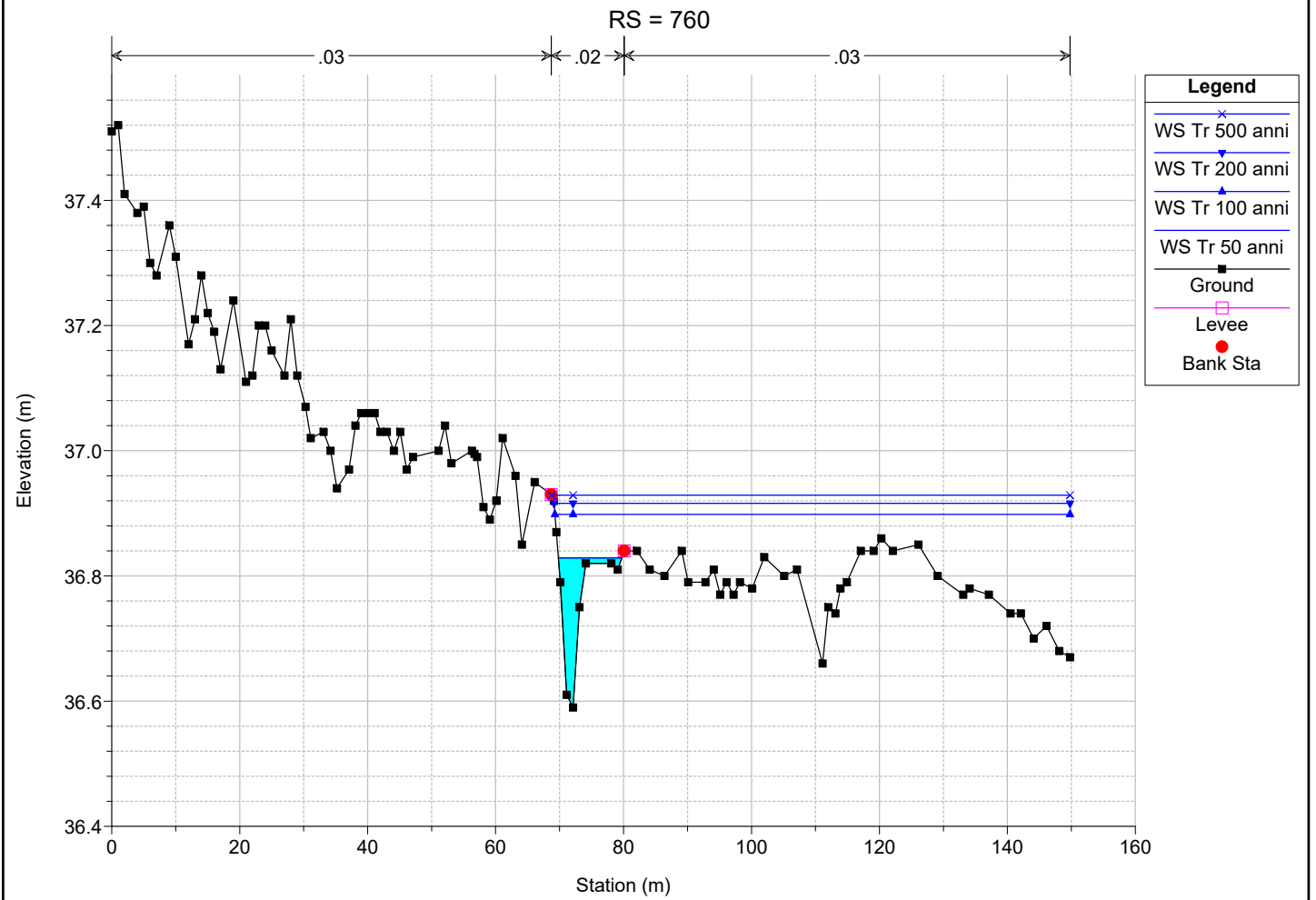
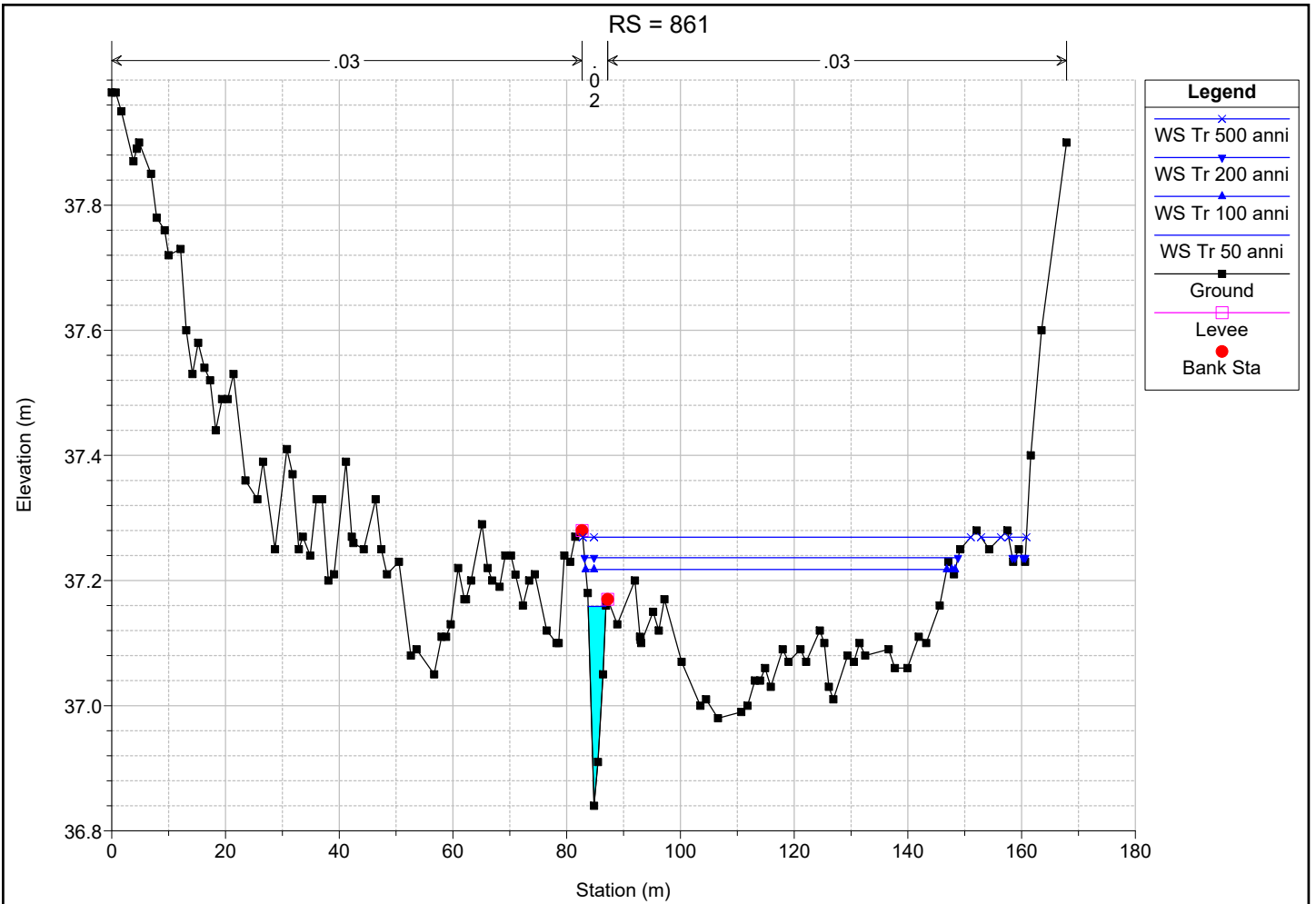




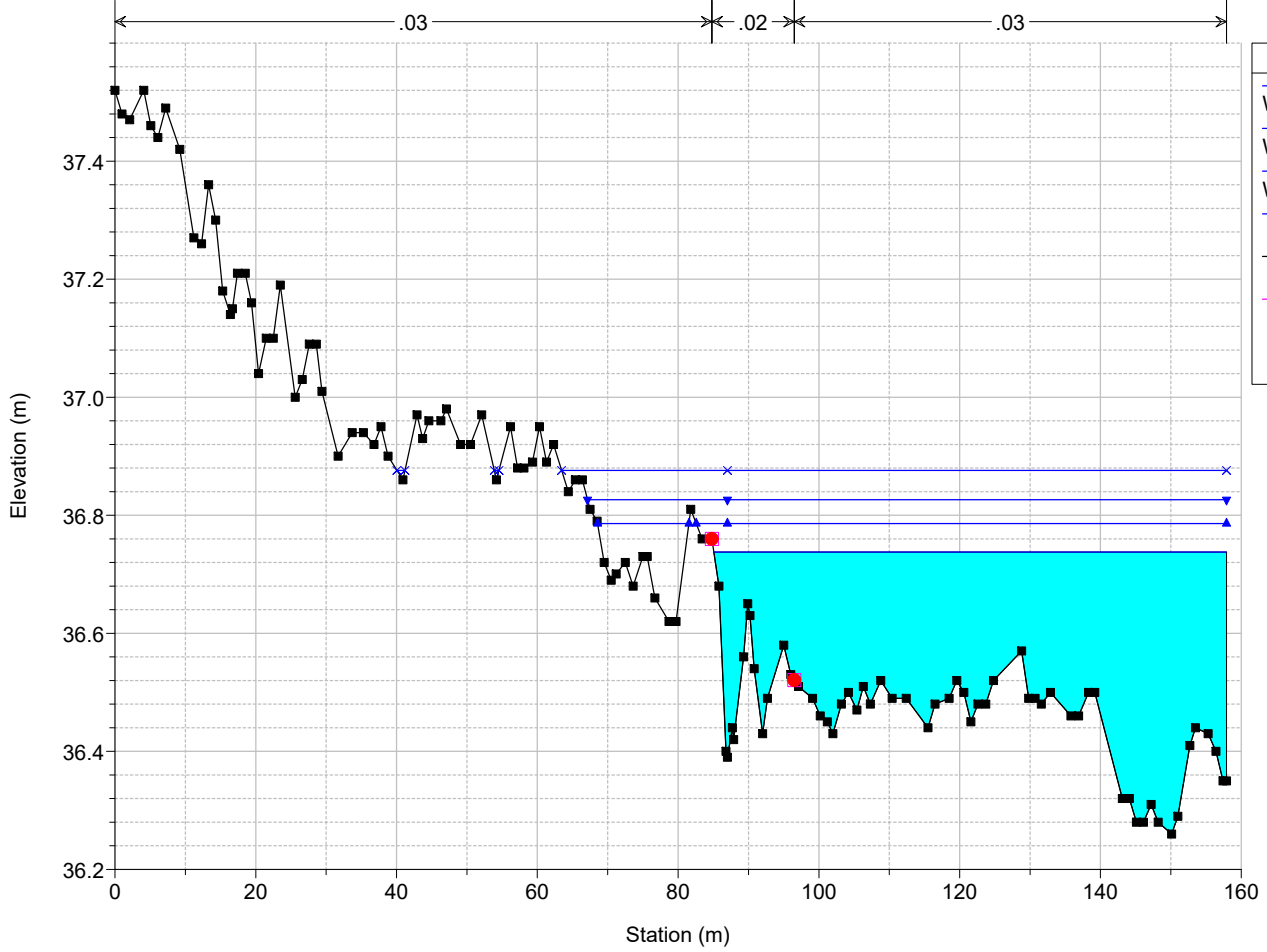




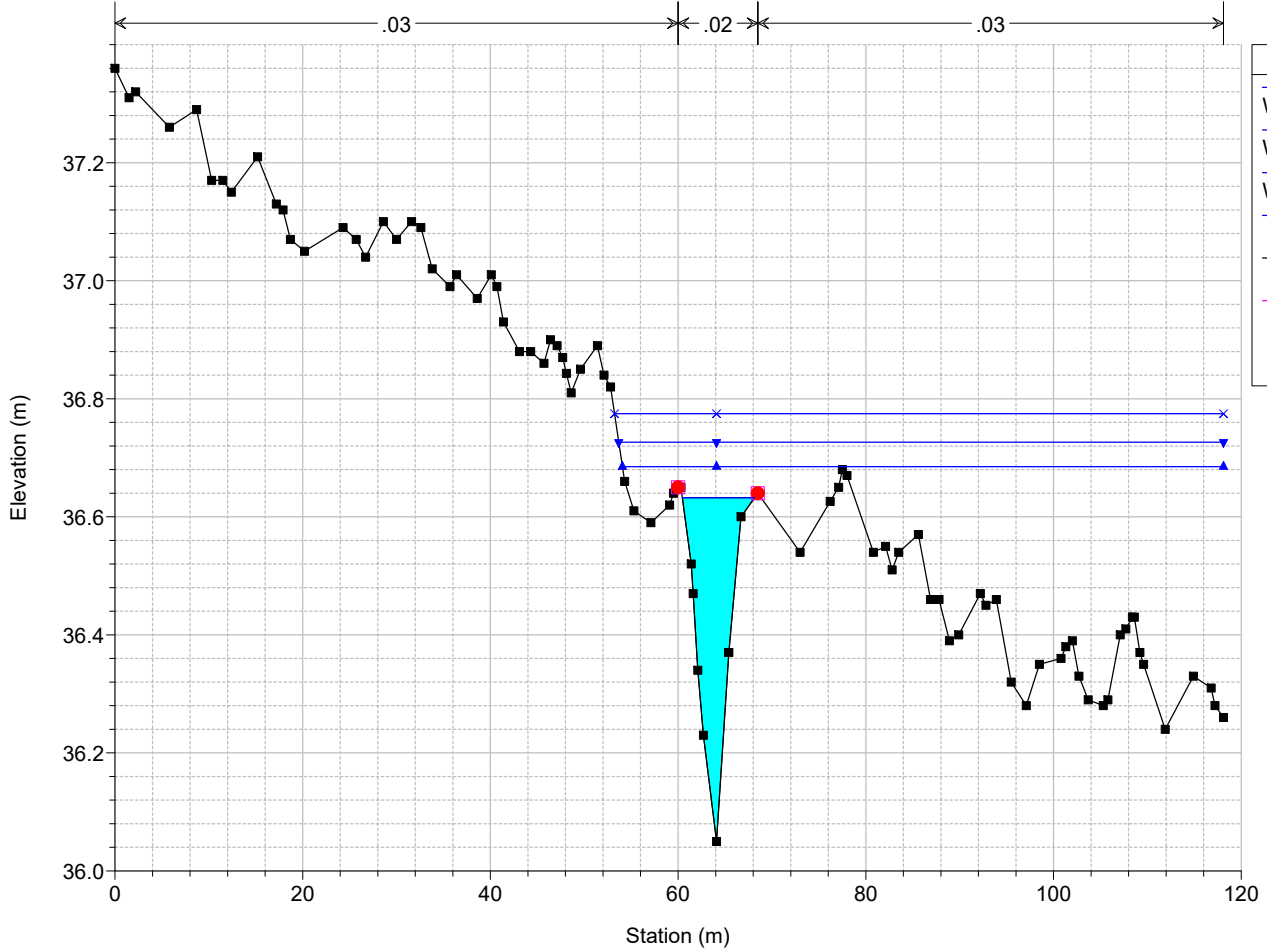


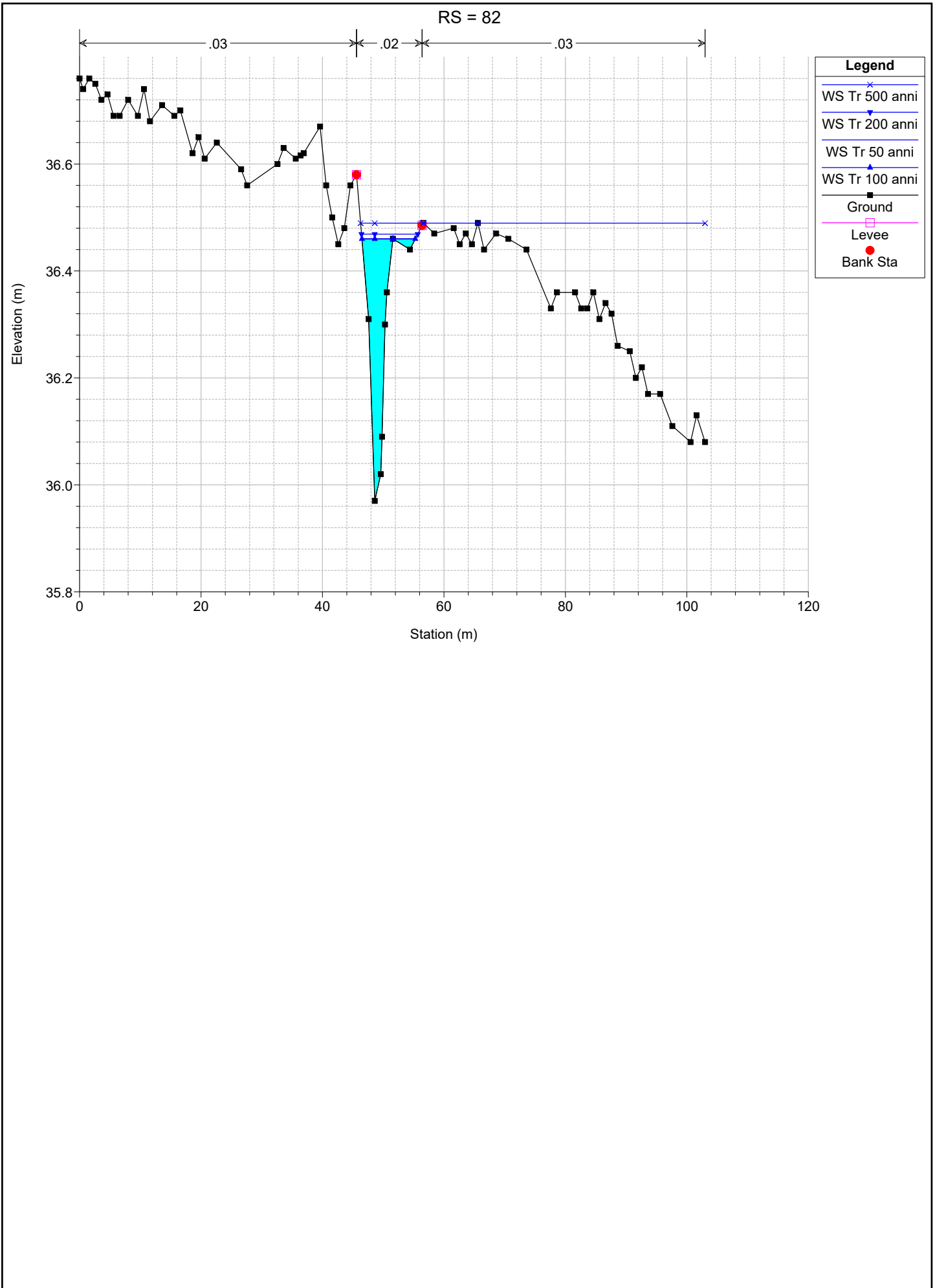


RS = 661



RS = 241





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
Sub_2	S2	5476	Tr 50 anni	6.05	53.58	54.18	54.18	54.34	0.008542	1.75	3.51	12.38	0.97
Sub_2	S2	5476	Tr 100 anni	7.81	53.58	54.25	54.25	54.42	0.007717	1.86	4.38	13.83	0.95
Sub_2	S2	5476	Tr 200 anni	9.68	53.58	54.31	54.31	54.50	0.006859	1.94	5.38	16.19	0.92
Sub_2	S2	5476	Tr 500 anni	12.29	53.58	54.39	54.39	54.59	0.006442	2.06	6.63	17.50	0.91
Sub_2	S2	5382	Tr 50 anni	6.05	53.16	53.63	53.74	53.97	0.018921	2.55	2.38	8.65	1.44
Sub_2	S2	5382	Tr 100 anni	7.81	53.16	53.69	53.81	54.08	0.018031	2.75	2.94	9.90	1.44
Sub_2	S2	5382	Tr 200 anni	9.68	53.16	53.75	53.88	54.18	0.017741	2.95	3.47	10.49	1.46
Sub_2	S2	5382	Tr 500 anni	12.29	53.16	53.82	53.98	54.29	0.016080	3.09	4.30	11.32	1.42
Sub_2	S2	5264	Tr 50 anni	6.05	52.36	53.17	53.21	53.43	0.011196	2.28	2.65	6.36	1.13
Sub_2	S2	5264	Tr 100 anni	7.81	52.36	53.25	53.30	53.56	0.010953	2.46	3.18	6.72	1.14
Sub_2	S2	5264	Tr 200 anni	9.68	52.36	53.31	53.31	53.47	0.006267	1.96	6.42	18.56	0.87
Sub_2	S2	5264	Tr 500 anni	12.29	52.36	53.38	53.38	53.54	0.006557	2.02	7.71	19.69	0.90
Sub_2	S2	5143	Tr 50 anni	6.05	52.07	52.80	52.49	52.81	0.000319	0.42	17.68	40.56	0.19
Sub_2	S2	5143	Tr 100 anni	7.81	52.07	53.01	52.51	53.01	0.000151	0.36	26.18	41.20	0.14
Sub_2	S2	5143	Tr 200 anni	9.68	52.07	53.21	52.54	53.21	0.000097	0.34	34.42	41.82	0.12
Sub_2	S2	5143	Tr 500 anni	12.29	52.07	53.46	52.57	53.46	0.000067	0.32	44.93	42.56	0.10
Sub_2	S2	4997	Tr 50 anni	6.05	51.22	52.80	51.71	52.80	0.000039	0.29	24.25	19.29	0.08
Sub_2	S2	4997	Tr 100 anni	7.81	51.22	53.01	51.76	53.01	0.000041	0.32	28.27	19.56	0.08
Sub_2	S2	4997	Tr 200 anni	9.68	51.22	53.20	51.81	53.21	0.000042	0.34	32.16	19.84	0.08
Sub_2	S2	4997	Tr 500 anni	12.29	51.22	53.45	51.87	53.46	0.000044	0.38	37.12	20.19	0.09
Sub_2	S2	4860	Tr 50 anni	6.05	51.32	52.39	52.39	52.76	0.010024	2.69	2.25	3.06	1.00
Sub_2	S2	4860	Tr 100 anni	7.81	51.32	52.54	52.54	52.96	0.010023	2.89	2.70	3.19	1.00
Sub_2	S2	4860	Tr 200 anni	9.68	51.32	52.68	52.68	53.15	0.009990	3.06	3.17	3.32	1.00
Sub_2	S2	4860	Tr 500 anni	12.29	51.32	52.86	52.86	53.40	0.009967	3.25	3.78	3.51	1.00
Sub_2	S2	4687	Tr 50 anni	6.05	49.54	49.86	50.18	51.36	0.127414	5.42	1.12	4.56	3.50
Sub_2	S2	4687	Tr 100 anni	7.81	49.54	49.91	50.28	51.58	0.113412	5.73	1.36	4.67	3.38
Sub_2	S2	4687	Tr 200 anni	9.68	49.54	49.96	50.28	51.79	0.103320	5.99	1.62	4.78	3.29
Sub_2	S2	4687	Tr 500 anni	12.29	49.54	50.03	50.28	52.05	0.093486	6.30	1.95	4.92	3.19
Sub_2	S2	4407	Tr 50 anni	6.05	48.72	49.53	49.11	49.53	0.000204	0.43	19.55	41.08	0.17
Sub_2	S2	4407	Tr 100 anni	7.81	48.72	49.59	49.15	49.60	0.000234	0.48	22.17	43.30	0.18
Sub_2	S2	4407	Tr 200 anni	9.68	48.72	49.66	49.19	49.67	0.000248	0.53	25.13	44.30	0.19
Sub_2	S2	4407	Tr 500 anni	12.29	48.72	49.74	49.24	49.75	0.000285	0.60	28.83	48.68	0.21
Sub_2	S2	4251	Tr 50 anni	6.05	48.86	49.48	49.29	49.51	0.001345	0.80	7.58	18.61	0.40
Sub_2	S2	4251	Tr 100 anni	7.81	48.86	49.53	49.33	49.58	0.001537	0.92	8.52	18.76	0.43
Sub_2	S2	4251	Tr 200 anni	9.68	48.86	49.59	49.38	49.64	0.001598	1.01	9.62	18.94	0.45
Sub_2	S2	4251	Tr 500 anni	12.29	48.86	49.66	49.43	49.72	0.001745	1.13	10.87	19.14	0.48
Sub_2	S2	4133	Tr 50 anni	6.05	48.48	49.39	49.39	49.44	0.003001	1.28	6.85	22.56	0.59
Sub_2	S2	4133	Tr 100 anni	7.81	48.48	49.39	49.39	49.48	0.005002	1.65	6.85	22.56	0.76
Sub_2	S2	4133	Tr 200 anni	9.68	48.48	49.40	49.40	49.53	0.007311	2.01	6.97	22.61	0.91
Sub_2	S2	4133	Tr 500 anni	12.29	48.48	49.44	49.44	49.60	0.007841	2.19	8.04	23.13	0.96
Sub_2	S2	3519	Tr 50 anni	6.05	46.56	46.68	46.87	47.82	0.407332	3.84	1.28	10.97	4.98
Sub_2	S2	3519	Tr 100 anni	7.81	46.56	46.76	46.90	47.31	0.140209	3.15	2.37	15.82	3.18
Sub_2	S2	3519	Tr 200 anni	9.68	46.56	46.85	46.93	47.10	0.059067	2.69	4.41	27.87	2.20
Sub_2	S2	3519	Tr 500 anni	12.29	46.56	46.89	46.97	47.16	0.050327	2.75	5.39	28.37	2.07
Sub_2	S2	3343	Tr 50 anni	6.05	45.29	45.76	45.76	45.79	0.004625	0.96	8.25	42.40	0.65
Sub_2	S2	3343	Tr 100 anni	7.81	45.29	45.76	45.76	45.81	0.007707	1.25	8.25	42.40	0.84
Sub_2	S2	3343	Tr 200 anni	9.68	45.29	45.79	45.76	45.85	0.007031	1.28	9.71	42.91	0.82
Sub_2	S2	3343	Tr 500 anni	12.29	45.29	45.86	45.78	45.91	0.005263	1.25	12.51	45.74	0.73
Sub_2	S2	3232	Tr 50 anni	6.05	44.87	45.20	45.28	45.46	0.024989	2.25	2.69	12.62	1.55
Sub_2	S2	3232	Tr 100 anni	7.81	44.87	45.32	45.33	45.50	0.010366	1.89	4.14	12.92	1.06
Sub_2	S2	3232	Tr 200 anni	9.68	44.87	45.38	45.38	45.57	0.008636	1.94	5.00	13.03	1.00
Sub_2	S2	3232	Tr 500 anni	12.29	44.87	45.45	45.45	45.67	0.008373	2.10	5.86	13.15	1.00
Sub_2	S2	3106	Tr 50 anni	6.05	44.28	44.84	44.73	44.93	0.003521	1.28	4.72	11.48	0.64
Sub_2	S2	3106	Tr 100 anni	7.81	44.28	44.94	44.79	45.03	0.003013	1.34	5.83	11.74	0.61
Sub_2	S2	3106	Tr 200 anni	9.68	44.28	44.76	44.85	45.09	0.018160	2.55	3.79	11.27	1.41
Sub_2	S2	3106	Tr 500 anni	12.29	44.28	44.82	44.92	45.21	0.017446	2.76	4.46	11.40	1.41
Sub_2	S2	2962	Tr 50 anni	6.05	43.64	44.45	44.45	44.68	0.008520	2.12	2.85	6.20	1.00
Sub_2	S2	2962	Tr 100 anni	7.81	43.64	44.55	44.55	44.81	0.008222	2.27	3.44	6.55	1.00
Sub_2	S2	2962	Tr 200 anni	9.68	43.64	44.58	44.58	44.58	0.000043	0.15	68.21	113.48	0.07
Sub_2	S2	2962	Tr 500 anni	12.29	43.64	44.58	44.58	44.58	0.000069	0.20	68.21	113.48	0.09
Sub_2	S2	2836	Tr 50 anni	6.05	42.56	43.09	43.25	43.81	0.128607	3.75	1.63	13.66	3.24
Sub_2	S2	2836	Tr 100 anni	7.81	42.56	43.12	43.28	43.96	0.122291	4.08	1.97	14.30	3.25
Sub_2	S2	2836	Tr 200 anni	9.68	42.56	43.12	43.31	44.44	0.195982	5.12	1.94	14.25	4.11
Sub_2	S2	2836	Tr 500 anni	12.29	42.56	43.16	43.34	44.44	0.143147	5.08	2.57	17.85	3.64
Sub_2	S2	2720	Tr 50 anni	6.05	42.58	42.84	42.84	42.90	0.013146	1.04	5.46	33.07	1.00
Sub_2	S2	2720	Tr 100 anni	7.81	42.58	43.05	42.86	43.05	0.000384	0.35	28.54	95.22	0.20
Sub_2	S2	2720	Tr 200 anni	9.68	42.58	43.29	42.87	43.29	0.000090	0.25	54.27	115.64	0.11
Sub_2	S2	2720	Tr 500 anni	12.29	42.58	42.96	42.87	42.98	0.002439	0.70	20.17	89.41	0.48
Sub_2	S2	2611	Tr 50 anni	6.05	42.19	42.82	42.55	42.82	0.000047	0.16	54.33	150.99	0.08
Sub_2	S2	2611	Tr 100 anni	7.81	42.19	43.05	42.57	43.05	0.000016	0.13	91.26	166.49	0.05
Sub_2	S2	2611	Tr 200 anni	9.68	42.19	43.29	42.58	43.29	0.000008	0.11	131.28	166.80	0.03

HEC-RAS Plan: Primaponti (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Sub_2	S2	2611	Tr 500 anni	12.29	42.19	42.97	42.61	42.97	0.000067	0.23	77.07	161.02	0.10
Sub_2	S2	2172	Tr 50 anni	6.05	41.41	42.81	41.98	42.81	0.000076	0.35	20.50	22.48	0.11
Sub_2	S2	2172	Tr 100 anni	7.81	41.41	43.04	42.05	43.05	0.000062	0.36	25.81	22.74	0.10
Sub_2	S2	2172	Tr 200 anni	9.68	41.41	43.28	42.13	43.29	0.000053	0.36	31.33	23.01	0.09
Sub_2	S2	2172	Tr 500 anni	12.29	41.41	42.94	42.20	42.95	0.000208	0.62	23.38	22.61	0.18
Sub_2	S2	1811	Tr 50 anni	6.05	41.59	42.79	41.98	42.80	0.000158	0.49	12.42	11.96	0.15
Sub_2	S2	1811	Tr 100 anni	7.81	41.59	43.04	42.04	43.04	0.000026	0.22	55.88	81.38	0.06
Sub_2	S2	1811	Tr 200 anni	9.68	41.59	43.28	42.11	43.29	0.000016	0.20	75.66	81.51	0.05
Sub_2	S2	1811	Tr 500 anni	12.29	41.59	42.87	42.18	42.91	0.000515	0.92	13.43	12.13	0.28
Sub_2	S2	1635	Tr 50 anni	6.05	40.47	42.25	42.25	42.73	0.016015	3.07	1.97	2.07	1.00
Sub_2	S2	1635	Tr 100 anni	7.81	40.47	42.45	42.45	42.98	0.015648	3.23	2.41	2.27	1.00
Sub_2	S2	1635	Tr 200 anni	9.68	40.47	42.64	42.64	43.22	0.015323	3.38	2.86	2.45	1.00
Sub_2	S2	1635	Tr 500 anni	12.29	40.47	42.90	42.90	42.90	0.000009	0.09	124.18	106.94	0.02
Sub_2	S2	1334	Tr 50 anni	6.05	37.97	38.62	38.92	39.83	0.081505	4.86	1.25	3.77	2.70
Sub_2	S2	1334	Tr 100 anni	7.81	37.97	39.52	39.02	39.60	0.001416	1.28	6.12	5.88	0.40
Sub_2	S2	1334	Tr 200 anni	9.68	37.97	39.72	39.11	39.81	0.001265	1.32	7.36	6.01	0.38
Sub_2	S2	1334	Tr 500 anni	12.29	37.97	38.66	39.23	42.51	0.270277	8.69	1.41	4.46	4.92
Sub_2	S2	1253	Tr 50 anni	6.05	37.65	39.23	38.73	39.33	0.001763	1.39	4.36	4.13	0.43
Sub_2	S2	1253	Tr 100 anni	7.81	37.65	39.45	38.85	39.56	0.001726	1.48	5.28	4.33	0.43
Sub_2	S2	1253	Tr 200 anni	9.68	37.65	39.65	38.97	39.77	0.001727	1.57	6.17	4.54	0.43
Sub_2	S2	1253	Tr 500 anni	12.29	37.65	39.89	39.13	40.04	0.001750	1.68	7.32	4.78	0.43
Sub_2	S2	1096	Tr 50 anni	6.05	37.06	38.75	38.69	39.13	0.010993	2.73	2.22	2.50	0.93
Sub_2	S2	1096	Tr 100 anni	7.81	37.06	38.94	38.88	39.36	0.010628	2.87	2.72	2.76	0.92
Sub_2	S2	1096	Tr 200 anni	9.68	37.06	39.13	39.05	39.58	0.010001	2.96	3.27	3.02	0.91
Sub_2	S2	1096	Tr 500 anni	12.29	37.06	39.37	39.26	39.84	0.009195	3.04	4.04	3.35	0.88
Sub_2	S2	942	Tr 50 anni	6.05	36.81	38.10	38.10	38.56	0.013167	2.99	2.03	2.26	1.01
Sub_2	S2	942	Tr 100 anni	7.81	36.81	38.29	38.29	38.80	0.012994	3.16	2.47	2.43	1.00
Sub_2	S2	942	Tr 200 anni	9.68	36.81	38.46	38.46	39.03	0.013034	3.33	2.90	2.57	1.00
Sub_2	S2	942	Tr 500 anni	12.29	36.81	38.68	38.68	39.32	0.013033	3.53	3.48	2.73	1.00
Sub_2	S2	837	Tr 50 anni	6.05	36.54	37.77	37.30	37.86	0.001653	1.28	4.72	5.42	0.44
Sub_2	S2	837	Tr 100 anni	7.81	36.54	37.99	37.42	38.08	0.001419	1.32	5.93	5.67	0.41
Sub_2	S2	837	Tr 200 anni	9.68	36.54	38.20	37.58	38.29	0.001283	1.36	7.13	5.90	0.39
Sub_2	S2	837	Tr 500 anni	12.29	36.54	38.46	37.71	38.56	0.001178	1.41	8.70	6.16	0.38
Sub_2	S2	719	Tr 50 anni	6.05	36.22	37.56	37.24	37.76	0.004193	1.96	3.09	3.04	0.62
Sub_2	S2	719	Tr 100 anni	7.81	36.22	37.76	37.40	37.98	0.004296	2.11	3.71	3.24	0.63
Sub_2	S2	719	Tr 200 anni	9.68	36.22	37.95	37.56	38.20	0.004358	2.24	4.33	3.36	0.63
Sub_2	S2	719	Tr 500 anni	12.29	36.22	38.17	37.75	38.47	0.004534	2.41	5.10	3.46	0.63
Sub_2	S2	598	Tr 50 anni	6.05	35.92	37.53	36.99	37.63	0.001825	1.39	4.37	4.39	0.44
Sub_2	S2	598	Tr 100 anni	7.81	35.92	37.74	37.19	37.85	0.001745	1.47	5.31	4.56	0.43
Sub_2	S2	598	Tr 200 anni	9.68	35.92	37.94	37.31	38.06	0.001727	1.55	6.24	4.79	0.43
Sub_2	S2	598	Tr 500 anni	12.29	35.92	38.18	37.46	38.32	0.001728	1.65	7.43	5.04	0.44
Sub_2	S2	530	Tr 50 anni	6.05	35.74	37.46	36.88	37.58	0.002205	1.54	3.92	3.36	0.46
Sub_2	S2	530	Tr 100 anni	7.81	35.74	37.66	37.04	37.81	0.002399	1.70	4.60	3.58	0.48
Sub_2	S2	530	Tr 200 anni	9.68	35.74	37.85	37.20	38.02	0.002561	1.83	5.28	3.77	0.49
Sub_2	S2	530	Tr 500 anni	12.29	35.74	38.07	37.40	38.27	0.002747	2.00	6.17	4.98	0.51
Sub_2	S2	316	Tr 50 anni	6.05	35.45	37.24	36.86	37.40	0.003406	1.81	3.35	3.22	0.57
Sub_2	S2	316	Tr 100 anni	7.81	35.45	37.40	37.02	37.61	0.003792	2.01	3.89	3.34	0.60
Sub_2	S2	316	Tr 200 anni	9.68	35.45	37.55	37.16	37.80	0.004172	2.20	4.40	3.46	0.62
Sub_2	S2	316	Tr 500 anni	12.29	35.45	37.72	37.35	38.03	0.004805	2.46	4.99	3.59	0.67
Sub_1	S1	10271	Tr 50 anni	8.74	59.28	59.98	59.98	60.16	0.008889	2.13	5.13	15.77	0.95
Sub_1	S1	10271	Tr 100 anni	11.13	59.28	60.09	60.09	60.24	0.006933	2.04	7.52	26.64	0.85
Sub_1	S1	10271	Tr 200 anni	13.64	59.28	60.17	60.17	60.31	0.006400	2.06	10.13	36.82	0.82
Sub_1	S1	10271	Tr 500 anni	17.11	59.28	60.24	60.24	60.37	0.006216	2.10	12.66	45.25	0.81
Sub_1	S1	10111	Tr 50 anni	8.74	58.53	59.06	59.19	59.51	0.020272	2.95	2.97	7.54	1.50
Sub_1	S1	10111	Tr 100 anni	11.13	58.53	59.13	59.29	59.66	0.020762	3.24	3.44	7.66	1.54
Sub_1	S1	10111	Tr 200 anni	13.64	58.53	59.21	59.37	59.78	0.018194	3.33	4.10	7.89	1.47
Sub_1	S1	10111	Tr 500 anni	17.11	58.53	59.73	59.48	59.94	0.003187	2.04	8.39	8.52	0.66
Sub_1	S1	9953	Tr 50 anni	8.74	57.64	59.21	58.58	59.26	0.000653	0.95	9.19	8.59	0.29
Sub_1	S1	9953	Tr 100 anni	11.13	57.64	59.39	58.67	59.44	0.000666	1.04	10.72	8.77	0.30
Sub_1	S1	9953	Tr 200 anni	13.64	57.64	59.55	58.75	59.62	0.000696	1.12	12.22	9.19	0.31
Sub_1	S1	9953	Tr 500 anni	17.11	57.64	59.76	58.86	59.84	0.000712	1.21	14.15	9.41	0.31
Sub_1	S1	9829	Tr 50 anni	8.74	57.36	58.81	58.81	59.16	0.009532	2.62	3.33	4.77	1.00
Sub_1	S1	9829	Tr 100 anni	11.13	57.36	58.94	58.94	59.34	0.009261	2.80	3.98	4.98	1.00
Sub_1	S1	9829	Tr 200 anni	13.64	57.36	59.07	59.07	59.52	0.009059	2.95	4.62	5.18	1.00
Sub_1	S1	9829	Tr 500 anni	17.11	57.36	59.23	59.23	59.73	0.008817	3.12	5.49	5.53	1.00
Sub_1	S1	9741	Tr 50 anni	8.74	56.76	57.68	57.94	58.64	0.041585	4.62	2.32	8.07	2.12
Sub_1	S1	9741	Tr 100 anni	11.13	56.76	57.73	57.98	58.81	0.044718	4.98	2.82	10.31	2.21
Sub_1	S1	9741	Tr 200 anni	13.64	56.76	57.78	58.04	58.97	0.047787	5.32	3.38	11.15	2.31
Sub_1	S1	9741	Tr 500 anni	17.11	56.76	57.83	58.11	59.17	0.053833	5.75	3.92	11.52	2.46
Sub_1	S1	9662	Tr 50 anni	8.74	56.44	57.92	57.67	57.95	0.001018	0.90	12.55	21.70	0.33

HEC-RAS Plan: Primaponti (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
Sub_1	S1	9662	Tr 100 anni	11.13	56.44	57.58	57.72	57.99	0.016609	3.37	4.65	12.35	1.27
Sub_1	S1	9662	Tr 200 anni	13.64	56.44	57.63	57.75	58.09	0.017980	3.59	5.28	12.65	1.32
Sub_1	S1	9662	Tr 500 anni	17.11	56.44	57.71	57.81	58.14	0.020380	3.46	6.34	14.46	1.42
Sub_1	S1	9555	Tr 50 anni	8.74	56.45	57.45	57.45	57.84	0.008720	2.75	3.17	4.10	1.00
Sub_1	S1	9555	Tr 100 anni	11.13	56.45	57.59	57.59	57.60	0.000360	0.60	22.86	29.78	0.20
Sub_1	S1	9555	Tr 200 anni	13.64	56.45	57.59	57.59	57.61	0.000540	0.73	22.86	29.78	0.25
Sub_1	S1	9555	Tr 500 anni	17.11	56.45	57.64	57.59	57.67	0.000688	0.86	24.41	29.91	0.28
Sub_1	S1	9439	Tr 50 anni	8.74	56.12	56.58	56.80	57.28	0.030992	3.71	2.36	5.79	1.86
Sub_1	S1	9439	Tr 100 anni	11.13	56.12	56.65	56.91	57.48	0.030906	4.03	2.76	5.93	1.89
Sub_1	S1	9439	Tr 200 anni	13.64	56.12	56.81	57.01	57.49	0.018355	3.63	3.75	6.26	1.50
Sub_1	S1	9439	Tr 500 anni	17.11	56.12	57.14	57.14	57.57	0.007565	2.91	5.88	6.80	1.00
Sub_1	S1	9269	Tr 50 anni	8.74	55.38	56.28	56.28	56.49	0.009314	2.04	4.28	10.30	1.01
Sub_1	S1	9269	Tr 100 anni	11.13	55.38	56.35	56.35	56.60	0.008711	2.19	5.08	10.37	1.00
Sub_1	S1	9269	Tr 200 anni	13.64	55.38	56.40	56.42	56.70	0.009609	2.44	5.60	10.42	1.06
Sub_1	S1	9269	Tr 500 anni	17.11	55.38	56.35	56.52	56.94	0.021312	3.40	5.03	10.37	1.56
Sub_1	S1	9164	Tr 50 anni	8.74	54.84	55.73	55.83	56.08	0.017350	2.60	3.38	9.42	1.37
Sub_1	S1	9164	Tr 100 anni	11.13	54.84	55.79	55.91	56.20	0.017445	2.82	3.97	9.89	1.40
Sub_1	S1	9164	Tr 200 anni	13.64	54.84	55.87	55.99	56.30	0.016042	2.93	4.71	10.67	1.37
Sub_1	S1	9164	Tr 500 anni	17.11	54.84	56.02	56.09	56.39	0.011219	2.69	6.50	12.82	1.17
Sub_1	S1	9071	Tr 50 anni	8.74	54.65	55.49	55.25	55.57	0.002022	1.28	7.68	21.31	0.50
Sub_1	S1	9071	Tr 100 anni	11.13	54.65	55.60	55.33	55.68	0.001845	1.33	10.26	26.26	0.49
Sub_1	S1	9071	Tr 200 anni	13.64	54.65	55.70	55.43	55.78	0.001652	1.34	12.99	28.10	0.46
Sub_1	S1	9071	Tr 500 anni	17.11	54.65	55.83	55.52	55.90	0.001383	1.34	16.67	28.64	0.43
Sub_1	S1	8993	Tr 50 anni	8.74	54.10	55.21	55.21	55.46	0.009938	2.21	3.96	7.99	1.00
Sub_1	S1	8993	Tr 100 anni	11.13	54.10	55.35	55.35	55.58	0.009735	2.14	5.20	11.05	1.00
Sub_1	S1	8993	Tr 200 anni	13.64	54.10	55.42	55.42	55.68	0.009567	2.28	5.98	11.30	1.00
Sub_1	S1	8993	Tr 500 anni	17.11	54.10	55.50	55.50	55.81	0.009239	2.46	6.95	11.32	1.00
Sub_1	S1	8898	Tr 50 anni	8.74	53.71	54.10	54.32	54.87	0.047467	3.88	2.25	7.45	2.25
Sub_1	S1	8898	Tr 100 anni	11.13	53.71	54.16	54.41	55.00	0.041858	4.06	2.74	7.68	2.17
Sub_1	S1	8898	Tr 200 anni	13.64	53.71	54.23	54.50	55.13	0.037238	4.19	3.25	7.92	2.09
Sub_1	S1	8898	Tr 500 anni	17.11	53.71	54.31	54.61	55.28	0.033177	4.36	3.92	8.21	2.02
Sub_1	S1	8780	Tr 50 anni	8.74	53.19	53.91	53.91	54.19	0.008509	2.35	3.72	6.71	1.01
Sub_1	S1	8780	Tr 100 anni	11.13	53.19	54.01	54.01	54.33	0.008133	2.51	4.44	6.94	1.00
Sub_1	S1	8780	Tr 200 anni	13.64	53.19	54.11	54.11	54.47	0.007926	2.66	5.13	7.13	1.00
Sub_1	S1	8780	Tr 500 anni	17.11	53.19	54.23	54.23	54.65	0.007740	2.84	6.01	7.31	1.00
Sub_1	S1	8699	Tr 50 anni	8.74	52.82	53.43	53.54	53.89	0.015918	3.01	2.90	5.77	1.36
Sub_1	S1	8699	Tr 100 anni	11.13	52.82	53.52	53.66	54.05	0.014939	3.21	3.47	5.91	1.34
Sub_1	S1	8699	Tr 200 anni	13.64	52.82	53.62	53.77	54.20	0.013903	3.35	4.07	6.04	1.30
Sub_1	S1	8699	Tr 500 anni	17.11	52.82	53.75	53.91	54.38	0.013185	3.50	4.88	6.45	1.29
Sub_1	S1	8626	Tr 50 anni	8.74	52.22	52.86	53.05	53.40	0.033927	3.79	2.82	9.24	1.83
Sub_1	S1	8626	Tr 100 anni	11.13	52.22	52.91	53.10	53.56	0.037466	4.14	3.43	13.98	1.94
Sub_1	S1	8626	Tr 200 anni	13.64	52.22	52.95	53.16	53.70	0.042689	4.48	4.03	17.02	2.08
Sub_1	S1	8626	Tr 500 anni	17.11	52.22	52.98	53.24	53.85	0.054697	4.70	4.65	18.48	2.34
Sub_1	S1	8501	Tr 50 anni	8.74	51.83	52.54	52.54	52.77	0.008558	2.12	4.12	14.88	1.00
Sub_1	S1	8501	Tr 100 anni	11.13	51.83	52.61	52.63	52.89	0.009318	2.37	4.70	15.49	1.06
Sub_1	S1	8501	Tr 200 anni	13.64	51.83	52.67	52.67	52.86	0.006457	2.09	7.51	16.09	0.90
Sub_1	S1	8501	Tr 500 anni	17.11	51.83	52.68	52.72	52.97	0.009377	2.55	7.71	16.12	1.08
Sub_1	S1	8398	Tr 50 anni	8.74	51.18	51.67	51.86	52.29	0.027524	3.50	2.50	6.27	1.77
Sub_1	S1	8398	Tr 100 anni	11.13	51.18	51.76	51.97	52.42	0.023791	3.58	3.11	6.75	1.68
Sub_1	S1	8398	Tr 200 anni	13.64	51.18	51.88	52.06	52.49	0.018086	3.47	3.93	7.23	1.50
Sub_1	S1	8398	Tr 500 anni	17.11	51.18	52.05	52.11	52.60	0.012586	3.28	5.22	7.92	1.29
Sub_1	S1	8341	Tr 50 anni	8.74	50.47	51.19	51.36	51.77	0.031412	3.38	2.59	7.25	1.81
Sub_1	S1	8341	Tr 100 anni	11.13	50.47	51.25	51.45	51.94	0.031938	3.68	3.03	7.46	1.84
Sub_1	S1	8341	Tr 200 anni	13.64	50.47	51.31	51.54	52.08	0.030670	3.87	3.52	7.68	1.83
Sub_1	S1	8341	Tr 500 anni	17.11	50.47	51.40	51.65	52.25	0.028372	4.10	4.18	7.82	1.79
Sub_1	S1	8272	Tr 50 anni	8.74	50.02	50.83	50.92	51.13	0.022269	2.45	3.57	13.04	1.50
Sub_1	S1	8272	Tr 100 anni	11.13	50.02	50.86	50.98	51.25	0.025096	2.77	4.02	13.41	1.61
Sub_1	S1	8272	Tr 200 anni	13.64	50.02	50.89	51.04	51.38	0.028039	3.08	4.44	13.72	1.73
Sub_1	S1	8272	Tr 500 anni	17.11	50.02	50.93	51.11	51.55	0.031939	3.49	4.90	13.79	1.87
Sub_1	S1	8175	Tr 50 anni	8.74	49.55	50.55	50.40	50.64	0.003140	1.36	6.41	12.42	0.61
Sub_1	S1	8175	Tr 100 anni	11.13	49.55	50.76	50.47	50.83	0.001701	1.23	9.02	12.58	0.47
Sub_1	S1	8175	Tr 200 anni	13.64	49.55	50.47	50.53	50.79	0.012633	2.49	5.49	12.36	1.19
Sub_1	S1	8175	Tr 500 anni	17.11	49.55	50.54	50.61	50.91	0.012490	2.70	6.33	12.41	1.21
Sub_1	S1	8121	Tr 50 anni	8.74	49.34	50.61	50.10	50.61	0.000043	0.23	56.29	90.35	0.08
Sub_1	S1	8121	Tr 100 anni	11.13	49.34	50.81	50.18	50.81	0.000029	0.22	74.18	90.53	0.07
Sub_1	S1	8121	Tr 200 anni	13.64	49.34	50.16	50.28	50.56	0.013649	2.81	4.87	49.04	1.29
Sub_1	S1	8121	Tr 500 anni	17.11	49.34	50.24	50.40	50.70	0.013202	3.00	5.85	57.25	1.29
Sub_1	S1	8045	Tr 50 anni	8.74	49.26	50.61	49.57	50.61	0.000022	0.19	53.88	49.92	0.06
Sub_1	S1	8045	Tr 100 anni	11.13	49.26	50.81	49.60	50.81	0.000020	0.20	63.77	50.24	0.06
Sub_1	S1	8045	Tr 200 anni	13.64	49.26	50.41	49.63	50.42	0.000102	0.36	44.04	49.58	0.12
Sub_1	S1	8045	Tr 500 anni	17.11	49.26	50.43	49.68	50.43	0.000153	0.44	44.68	49.60	0.15

HEC-RAS Plan: Primaponti (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Sub_1	S1	7869	Tr 50 anni	8.74	48.96	50.60	49.43	50.61	0.000083	0.42	20.97	15.80	0.12
Sub_1	S1	7869	Tr 100 anni	11.13	48.96	50.80	49.50	50.81	0.000089	0.46	24.10	16.29	0.12
Sub_1	S1	7869	Tr 200 anni	13.64	48.96	50.37	49.57	50.40	0.000355	0.78	17.45	15.31	0.23
Sub_1	S1	7869	Tr 500 anni	17.11	48.96	50.36	49.66	50.41	0.000574	0.99	17.29	15.28	0.30
Sub_1	S1	7759	Tr 50 anni	8.74	48.55	50.60	48.99	50.61	0.000013	0.21	49.32	29.85	0.05
Sub_1	S1	7759	Tr 100 anni	11.13	48.55	50.80	49.08	50.80	0.000015	0.24	55.21	30.09	0.05
Sub_1	S1	7759	Tr 200 anni	13.64	48.55	50.39	49.12	50.39	0.000049	0.38	42.89	29.58	0.10
Sub_1	S1	7759	Tr 500 anni	17.11	48.55	50.39	49.20	50.40	0.000077	0.47	42.84	29.58	0.12
Sub_1	S1	7662	Tr 50 anni	8.74	48.48	50.60	48.96	50.60	0.000004	0.11	97.08	67.11	0.03
Sub_1	S1	7662	Tr 100 anni	11.13	48.48	50.80	49.02	50.80	0.000001	0.06	245.68	133.21	0.01
Sub_1	S1	7662	Tr 200 anni	13.64	48.48	50.39	49.10	50.39	0.000017	0.21	82.76	65.99	0.05
Sub_1	S1	7662	Tr 500 anni	17.11	48.48	50.39	49.17	50.39	0.000026	0.26	82.74	65.99	0.07
Sub_1	S1	7588	Tr 50 anni	8.74	48.74	50.19	50.19	50.57	0.010554	2.73	3.21	4.27	1.00
Sub_1	S1	7588	Tr 100 anni	11.13	48.74	50.34	50.34	50.76	0.009633	2.87	3.92	5.15	0.98
Sub_1	S1	7588	Tr 200 anni	13.64	48.74	50.39	50.39	50.39	0.000007	0.08	136.41	80.75	0.03
Sub_1	S1	7588	Tr 500 anni	17.11	48.74	50.39	50.39	50.39	0.000011	0.10	136.41	80.75	0.03
Sub_1	S1	7485	Tr 50 anni	8.74	47.89	48.79	48.44	48.82	0.000805	0.87	11.34	18.95	0.33
Sub_1	S1	7485	Tr 100 anni	11.13	47.89	48.94	48.51	48.97	0.000652	0.88	14.30	20.25	0.31
Sub_1	S1	7485	Tr 200 anni	13.64	47.89	49.09	48.58	49.12	0.000547	0.90	17.35	21.10	0.29
Sub_1	S1	7485	Tr 500 anni	17.11	47.89	49.26	48.64	49.30	0.000471	0.93	21.15	21.42	0.28
Sub_1	S1	7374	Tr 50 anni	8.74	47.36	48.79	47.90	48.81	0.000189	0.58	15.59	14.16	0.17
Sub_1	S1	7374	Tr 100 anni	11.13	47.36	48.94	47.98	48.96	0.000209	0.66	17.73	14.55	0.18
Sub_1	S1	7374	Tr 200 anni	13.64	47.36	49.08	48.06	49.11	0.000238	0.72	19.89	15.61	0.19
Sub_1	S1	7374	Tr 500 anni	17.11	47.36	49.26	48.14	49.29	0.000253	0.80	22.69	16.05	0.20
Sub_1	S1	7268	Tr 50 anni	8.74	47.05	48.52	48.48	48.76	0.007863	2.30	4.08	6.83	0.91
Sub_1	S1	7268	Tr 100 anni	11.13	47.05	48.58	48.58	48.91	0.009332	2.64	4.53	6.93	1.01
Sub_1	S1	7268	Tr 200 anni	13.64	47.05	48.68	48.68	49.05	0.009117	2.82	5.22	7.07	1.01
Sub_1	S1	7268	Tr 500 anni	17.11	47.05	48.83	48.83	49.23	0.008374	2.93	6.30	7.48	0.99
Sub_1	S1	7213	Tr 50 anni	8.74	47.93	48.40	48.40	48.57	0.014939	1.86	4.83	14.39	1.13
Sub_1	S1	7213	Tr 100 anni	11.13	47.93	48.46	48.46	48.65	0.014334	1.98	5.73	14.79	1.12
Sub_1	S1	7213	Tr 200 anni	13.64	47.93	48.52	48.52	48.74	0.013988	2.09	6.58	15.08	1.12
Sub_1	S1	7213	Tr 500 anni	17.11	47.93	48.59	48.59	48.84	0.013477	2.20	7.69	15.32	1.11
Sub_1	S1	7103	Tr 50 anni	8.74	46.72	47.72	47.85	48.10	0.011980	2.96	3.99	15.24	1.15
Sub_1	S1	7103	Tr 100 anni	11.13	46.72	47.78	47.93	48.19	0.012407	3.16	4.99	15.95	1.18
Sub_1	S1	7103	Tr 200 anni	13.64	46.72	47.83	47.93	48.27	0.012935	3.35	5.85	16.34	1.22
Sub_1	S1	7103	Tr 500 anni	17.11	46.72	47.90	47.93	48.37	0.013557	3.58	6.90	16.65	1.26
Sub_1	S1	6977	Tr 50 anni	8.74	45.58	46.41	46.72	47.37	0.028934	4.34	2.01	3.27	1.77
Sub_1	S1	6977	Tr 100 anni	11.13	45.58	46.58	46.88	47.51	0.022998	4.26	2.61	3.58	1.60
Sub_1	S1	6977	Tr 200 anni	13.64	45.58	46.76	47.16	47.64	0.018770	4.15	3.29	3.99	1.46
Sub_1	S1	6977	Tr 500 anni	17.11	45.58	47.03	47.25	47.71	0.022154	3.65	4.70	8.94	1.57
Sub_1	S1	6846	Tr 50 anni	8.74	45.00	47.12	46.27	47.12	0.000076	0.32	37.36	48.16	0.10
Sub_1	S1	6846	Tr 100 anni	11.13	45.00	47.23	46.32	47.23	0.000079	0.35	42.96	48.45	0.10
Sub_1	S1	6846	Tr 200 anni	13.64	45.00	47.36	46.38	47.36	0.000018	0.18	97.20	86.29	0.05
Sub_1	S1	6846	Tr 500 anni	17.11	45.00	47.53	46.43	47.53	0.000018	0.19	111.53	86.50	0.05
Sub_1	S1	6758	Tr 50 anni	8.74	45.47	46.96	46.81	47.10	0.003915	1.65	5.31	9.00	0.68
Sub_1	S1	6758	Tr 100 anni	11.13	45.47	47.03	46.90	47.21	0.004432	1.87	6.01	10.10	0.73
Sub_1	S1	6758	Tr 200 anni	13.64	45.47	47.16	46.98	47.34	0.003767	1.89	7.50	12.35	0.68
Sub_1	S1	6758	Tr 500 anni	17.11	45.47	47.33	47.11	47.51	0.003064	1.90	9.73	13.67	0.63
Sub_1	S1	6698	Tr 50 anni	8.74	45.39	46.90	46.50	47.04	0.003028	1.63	5.37	7.17	0.60
Sub_1	S1	6698	Tr 100 anni	11.13	45.39	46.73	46.73	47.08	0.008617	2.63	4.24	6.00	1.00
Sub_1	S1	6698	Tr 200 anni	13.64	45.39	46.86	46.86	47.23	0.008478	2.67	5.12	7.04	1.00
Sub_1	S1	6698	Tr 500 anni	17.11	45.39	46.99	46.99	47.40	0.008144	2.83	6.05	7.44	1.00
Sub_1	S1	6642	Tr 50 anni	8.74	45.45	46.98	46.64	46.98	0.000358	0.42	23.27	46.48	0.20
Sub_1	S1	6642	Tr 100 anni	11.13	45.45	46.84	46.67	46.86	0.001607	0.77	16.93	44.75	0.40
Sub_1	S1	6642	Tr 200 anni	13.64	45.45	47.03	46.69	47.04	0.000636	0.60	25.60	46.65	0.27
Sub_1	S1	6642	Tr 500 anni	17.11	45.45	47.25	46.72	47.27	0.000320	0.54	36.38	48.01	0.20
Sub_1	S1	6551	Tr 50 anni	8.74	45.72	46.78	46.70	46.94	0.005082	1.95	5.16	9.74	0.79
Sub_1	S1	6551	Tr 100 anni	11.13	45.72	46.85	46.77	46.85	0.000003	0.05	194.99	158.28	0.02
Sub_1	S1	6551	Tr 200 anni	13.64	45.72	47.04	46.81	47.04	0.000003	0.05	224.13	158.97	0.02
Sub_1	S1	6551	Tr 500 anni	17.11	45.72	47.26	46.81	47.26	0.000002	0.06	260.06	159.24	0.02
Sub_1	S1	6422	Tr 50 anni	8.74	44.95	46.24	46.24	46.62	0.013458	2.72	3.21	4.24	1.00
Sub_1	S1	6422	Tr 100 anni	11.13	44.95	46.39	46.39	46.81	0.013197	2.87	3.88	4.60	1.00
Sub_1	S1	6422	Tr 200 anni	13.64	44.95	46.53	46.53	46.99	0.013104	3.01	4.53	4.90	1.00
Sub_1	S1	6422	Tr 500 anni	17.11	44.95	46.70	46.70	47.21	0.012848	3.17	5.39	5.24	1.00
Sub_1	S1	6307	Tr 50 anni	8.74	44.63	46.15	46.15	46.15	0.000007	0.09	101.56	87.00	0.03
Sub_1	S1	6307	Tr 100 anni	11.13	44.63	46.15	46.15	46.15	0.000011	0.11	101.55	87.00	0.03
Sub_1	S1	6307	Tr 200 anni	13.64	44.63	46.15	46.15	46.15	0.000017	0.13	101.55	87.00	0.04
Sub_1	S1	6307	Tr 500 anni	17.11	44.63	46.15	46.15	46.15	0.000026	0.17	101.55	87.00	0.05
Sub_1	S1	6188	Tr 50 anni	8.74	44.19	44.56	44.75	46.01	0.202863	6.81	2.02	14.65	4.33
Sub_1	S1	6188	Tr 100 anni	11.13	44.19	44.59	44.79	46.01	0.184251	6.87	2.51	16.03	4.16

HEC-RAS Plan: Primaponti (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Sub_1	S1	6188	Tr 200 anni	13.64	44.19	44.62	44.82	46.01	0.169135	6.90	3.03	20.35	4.02
Sub_1	S1	6188	Tr 500 anni	17.11	44.19	44.65	44.83	46.01	0.162157	7.06	3.86	32.67	3.97
Sub_1	S1	6022	Tr 50 anni	8.74	43.66	44.25	44.27	44.39	0.008804	1.89	5.91	27.62	1.01
Sub_1	S1	6022	Tr 100 anni	11.13	43.66	44.30	44.32	44.46	0.008568	2.03	7.27	29.11	1.01
Sub_1	S1	6022	Tr 200 anni	13.64	43.66	44.42	44.37	44.53	0.004257	1.71	11.12	31.82	0.75
Sub_1	S1	6022	Tr 500 anni	17.11	43.66	44.64	44.42	44.69	0.001603	1.31	18.61	38.02	0.48
Sub_1	S1	5893	Tr 50 anni	8.74	42.94	44.09	43.61	44.12	0.000875	0.78	12.00	15.51	0.29
Sub_1	S1	5893	Tr 100 anni	11.13	42.94	44.25	43.67	44.28	0.000798	0.80	14.60	16.18	0.28
Sub_1	S1	5893	Tr 200 anni	13.64	42.94	44.41	43.73	44.45	0.000750	0.81	17.26	17.26	0.27
Sub_1	S1	5893	Tr 500 anni	17.11	42.94	44.61	43.81	44.65	0.000679	0.83	20.80	18.03	0.26
Sub_1	S1	5827	Tr 50 anni	8.74	42.72	43.73	43.73	44.05	0.008335	2.50	3.49	5.49	1.00
Sub_1	S1	5827	Tr 100 anni	11.13	42.72	43.85	43.85	44.21	0.008071	2.68	4.15	5.65	1.00
Sub_1	S1	5827	Tr 200 anni	13.64	42.72	43.96	43.96	44.37	0.007945	2.85	4.79	5.81	1.00
Sub_1	S1	5827	Tr 500 anni	17.11	42.72	44.10	44.10	44.57	0.007765	3.03	5.64	6.00	1.00
Sub_1	S1	5755	Tr 50 anni	8.74	42.50	43.13	43.31	43.71	0.030184	3.36	2.60	7.26	1.79
Sub_1	S1	5755	Tr 100 anni	11.13	42.50	43.19	43.40	43.88	0.029799	3.66	3.04	7.33	1.82
Sub_1	S1	5755	Tr 200 anni	13.64	42.50	43.26	43.49	44.04	0.029071	3.91	3.49	7.41	1.82
Sub_1	S1	5755	Tr 500 anni	17.11	42.50	43.33	43.61	44.23	0.028152	4.21	4.07	7.50	1.82
Sub_1	S1	5672	Tr 50 anni	8.74	42.13	42.87	42.73	42.97	0.003505	1.43	6.11	12.21	0.65
Sub_1	S1	5672	Tr 100 anni	11.13	42.13	43.00	42.80	43.11	0.002719	1.42	7.83	12.90	0.58
Sub_1	S1	5672	Tr 200 anni	13.64	42.13	43.14	42.87	43.24	0.002221	1.41	9.64	13.59	0.54
Sub_1	S1	5672	Tr 500 anni	17.11	42.13	43.32	42.96	43.42	0.001809	1.41	12.13	14.55	0.49
Sub_1	S1	5613	Tr 50 anni	8.74	41.72	42.58	42.58	42.86	0.008865	2.33	3.75	6.73	1.00
Sub_1	S1	5613	Tr 100 anni	11.13	41.72	42.68	42.68	43.00	0.008619	2.52	4.41	6.78	1.00
Sub_1	S1	5613	Tr 200 anni	13.64	41.72	42.77	42.77	43.15	0.008551	2.70	5.05	6.84	1.00
Sub_1	S1	5613	Tr 500 anni	17.11	41.72	42.90	42.90	43.33	0.008286	2.89	5.91	6.91	1.00
Sub_1	S1	5545	Tr 50 anni	8.74	41.73	42.45	42.30	42.56	0.003607	1.48	5.89	11.14	0.65
Sub_1	S1	5545	Tr 100 anni	11.13	41.73	42.57	42.38	42.69	0.002975	1.53	7.28	11.25	0.61
Sub_1	S1	5545	Tr 200 anni	13.64	41.73	42.70	42.45	42.82	0.002565	1.57	8.67	11.37	0.57
Sub_1	S1	5545	Tr 500 anni	17.11	41.73	42.85	42.54	42.99	0.002239	1.63	10.47	11.58	0.55
Sub_1	S1	5463	Tr 50 anni	8.74	41.36	42.13	42.13	42.41	0.008947	2.34	3.73	6.70	1.00
Sub_1	S1	5463	Tr 100 anni	11.13	41.36	42.23	42.23	42.55	0.008549	2.51	4.44	6.99	1.00
Sub_1	S1	5463	Tr 200 anni	13.64	41.36	42.33	42.33	42.69	0.008303	2.66	5.15	7.28	1.00
Sub_1	S1	5463	Tr 500 anni	17.11	41.36	42.46	42.46	42.87	0.008095	2.82	6.11	7.77	1.00
Sub_1	S1	5387	Tr 50 anni	8.74	41.14	41.57	41.57	41.72	0.009655	1.70	5.15	17.70	1.00
Sub_1	S1	5387	Tr 100 anni	11.13	41.14	41.62	41.62	41.79	0.009170	1.83	6.07	17.80	1.00
Sub_1	S1	5387	Tr 200 anni	13.64	41.14	41.67	41.67	41.87	0.008822	1.96	6.97	18.00	1.00
Sub_1	S1	5387	Tr 500 anni	17.11	41.14	41.74	41.74	41.96	0.008358	2.09	8.18	18.29	1.00
Sub_1	S1	5240	Tr 50 anni	8.74	40.57	41.02	41.02	41.20	0.008924	1.90	4.61	12.65	1.00
Sub_1	S1	5240	Tr 100 anni	11.13	40.57	41.09	41.09	41.30	0.008426	2.04	5.46	12.83	1.00
Sub_1	S1	5240	Tr 200 anni	13.64	40.57	41.15	41.15	41.39	0.008094	2.17	6.29	13.02	1.00
Sub_1	S1	5240	Tr 500 anni	17.11	40.57	41.23	41.23	41.51	0.007804	2.33	7.35	13.27	1.00
Sub_1	S1	5045	Tr 50 anni	8.74	39.81	40.23	40.29	40.49	0.016007	2.29	3.82	12.33	1.31
Sub_1	S1	5045	Tr 100 anni	11.13	39.81	40.27	40.36	40.60	0.016567	2.54	4.39	12.45	1.36
Sub_1	S1	5045	Tr 200 anni	13.64	39.81	40.32	40.42	40.70	0.016609	2.74	4.98	12.54	1.39
Sub_1	S1	5045	Tr 500 anni	17.11	39.81	40.38	40.50	40.83	0.016517	2.98	5.74	12.66	1.41
Sub_1	S1	4942	Tr 50 anni	8.74	39.24	39.59	39.64	39.77	0.025835	2.53	4.92	24.71	1.57
Sub_1	S1	4942	Tr 100 anni	11.13	39.24	39.62	39.68	39.84	0.027318	2.77	5.65	25.04	1.64
Sub_1	S1	4942	Tr 200 anni	13.64	39.24	39.64	39.72	39.91	0.029664	3.03	6.27	25.30	1.73
Sub_1	S1	4942	Tr 500 anni	17.11	39.24	40.00	39.77	40.07	0.002538	1.37	15.93	27.76	0.56
Sub_1	S1	4822	Tr 50 anni	8.74	38.34	39.30	39.08	39.32	0.001259	0.77	12.56	31.44	0.38
Sub_1	S1	4822	Tr 100 anni	11.13	38.34	39.39	39.12	39.42	0.001115	0.81	15.42	32.54	0.36
Sub_1	S1	4822	Tr 200 anni	13.64	38.34	39.63	39.16	39.65	0.000445	0.66	23.46	33.84	0.24
Sub_1	S1	4822	Tr 500 anni	17.11	38.34	40.02	39.21	40.04	0.000167	0.53	37.19	36.12	0.16
Sub_1	S1	4689	Tr 50 anni	8.74	38.58	39.02	39.02	39.20	0.008887	1.90	4.61	12.61	1.00
Sub_1	S1	4689	Tr 100 anni	11.13	38.58	39.20	39.08	39.33	0.003954	1.61	6.90	12.97	0.71
Sub_1	S1	4689	Tr 200 anni	13.64	38.58	39.54	39.15	39.61	0.001184	1.19	11.45	13.32	0.41
Sub_1	S1	4689	Tr 500 anni	17.11	38.58	39.97	39.23	40.02	0.000519	0.99	17.24	13.70	0.28
Sub_1	S1	4571	Tr 50 anni	8.74	38.33	38.86	38.72	38.92	0.003611	1.12	8.04	20.46	0.61
Sub_1	S1	4571	Tr 100 anni	11.13	38.33	39.22	38.77	39.25	0.000708	0.74	15.96	22.95	0.29
Sub_1	S1	4571	Tr 200 anni	13.64	38.33	39.56	38.82	39.58	0.000300	0.62	24.00	24.26	0.20
Sub_1	S1	4571	Tr 500 anni	17.11	38.33	39.99	38.89	40.00	0.000153	0.54	34.74	25.81	0.15
Sub_1	S1	4460	Tr 50 anni	8.74	38.16	38.87	38.35	38.88	0.000411	0.46	18.49	28.24	0.21
Sub_1	S1	4460	Tr 100 anni	11.13	38.16	39.22	38.40	39.23	0.000174	0.42	28.89	30.56	0.15
Sub_1	S1	4460	Tr 200 anni	13.64	38.16	39.56	38.44	39.57	0.000103	0.37	39.64	32.54	0.12
Sub_1	S1	4460	Tr 500 anni	17.11	38.16	39.99	38.50	40.00	0.000061	0.35	53.61	32.96	0.09
Sub_1	S1	4347	Tr 50 anni	8.74	38.11	38.83	38.46	38.86	0.000868	0.88	11.61	18.32	0.34
Sub_1	S1	4347	Tr 100 anni	11.13	38.11	39.20	38.52	39.22	0.000320	0.72	18.63	19.35	0.23
Sub_1	S1	4347	Tr 200 anni	13.64	38.11	39.55	38.57	39.57	0.000184	0.66	25.54	20.52	0.18
Sub_1	S1	4347	Tr 500 anni	17.11	38.11	39.98	38.64	39.99	0.000113	0.62	34.42	20.85	0.15

HEC-RAS Plan: Primaponti (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
Sub_1	S1	4167	Tr 50 anni	8.74	37.01	38.85	37.42	38.85	0.000011	0.16	66.63	46.05	0.04
Sub_1	S1	4167	Tr 100 anni	11.13	37.01	39.21	37.45	39.22	0.000009	0.17	83.87	47.69	0.04
Sub_1	S1	4167	Tr 200 anni	13.64	37.01	39.56	37.49	39.56	0.000007	0.17	100.31	47.97	0.04
Sub_1	S1	4167	Tr 500 anni	17.11	37.01	39.99	37.53	39.99	0.000006	0.17	120.87	48.17	0.03
Sub_1	S1	3940	Tr 50 anni	8.74	36.23	38.09	38.09	38.78	0.019769	3.68	2.37	1.71	1.00
Sub_1	S1	3940	Tr 100 anni	11.13	36.23	38.35	38.35	39.14	0.020528	3.92	2.84	1.81	1.00
Sub_1	S1	3940	Tr 200 anni	13.64	36.23	38.60	38.60	39.47	0.021130	4.12	3.31	1.90	1.00
Sub_1	S1	3940	Tr 500 anni	17.11	36.23	38.91	38.91	39.89	0.021944	4.37	3.91	2.01	1.00
Sub_1	S1	3800	Tr 50 anni	8.74	34.42	36.83	36.22	36.84	0.000317	0.59	19.06	24.38	0.17
Sub_1	S1	3800	Tr 100 anni	11.13	34.42	37.28	36.31	37.29	0.000127	0.42	30.68	26.88	0.11
Sub_1	S1	3800	Tr 200 anni	13.64	34.42	37.69	36.42	37.70	0.000071	0.35	41.85	27.35	0.08
Sub_1	S1	3800	Tr 500 anni	17.11	34.42	38.20	36.48	38.20	0.000002	0.07	259.05	136.05	0.02
Sub_1	S1	3633	Tr 50 anni	8.74	34.39	36.84	35.31	36.84	0.000008	0.16	82.01	55.94	0.04
Sub_1	S1	3633	Tr 100 anni	11.13	34.39	37.29	35.34	37.29	0.000006	0.15	107.19	57.28	0.03
Sub_1	S1	3633	Tr 200 anni	13.64	34.39	37.70	35.38	37.70	0.000004	0.15	131.27	59.38	0.03
Sub_1	S1	3633	Tr 500 anni	17.11	34.39	38.20	35.43	38.20	0.000004	0.15	161.07	60.07	0.03
Sub_1	S1	3455	Tr 50 anni	8.74	34.21	36.84	34.67	36.84	0.000008	0.18	50.38	25.19	0.04
Sub_1	S1	3455	Tr 100 anni	11.13	34.21	37.29	34.73	37.29	0.000001	0.06	241.09	110.44	0.01
Sub_1	S1	3455	Tr 200 anni	13.64	34.21	37.70	34.78	37.70	0.000001	0.06	286.49	110.50	0.01
Sub_1	S1	3455	Tr 500 anni	17.11	34.21	38.20	34.84	38.20	0.000001	0.07	341.64	110.57	0.01
Sub_1	S1	3278	Tr 50 anni	8.74	32.53	36.84	33.93	36.84	0.000000	0.03	378.23	133.54	0.01
Sub_1	S1	3278	Tr 100 anni	11.13	32.53	37.29	34.09	37.29	0.000000	0.04	438.10	133.67	0.01
Sub_1	S1	3278	Tr 200 anni	13.64	32.53	37.70	34.17	37.70	0.000000	0.04	493.06	133.78	0.01
Sub_1	S1	3278	Tr 500 anni	17.11	32.53	38.20	34.28	38.20	0.000000	0.04	559.85	133.93	0.01
Sub_1	S1	3133	Tr 50 anni	8.74	32.47	35.89	35.89	36.75	0.051472	4.12	2.12	1.23	1.00
Sub_1	S1	3133	Tr 100 anni	11.13	32.47	36.24	36.24	37.19	0.050035	4.32	2.57	1.35	1.00
Sub_1	S1	3133	Tr 200 anni	13.64	32.47	36.56	36.56	37.59	0.048542	4.50	3.03	1.47	1.00
Sub_1	S1	3133	Tr 500 anni	17.11	32.47	36.96	36.96	38.08	0.047097	4.70	3.64	1.61	1.00
Sub_1	S1	2914	Tr 50 anni	8.74	31.54	32.32	32.53	33.39	0.048751	4.63	2.00	12.75	2.20
Sub_1	S1	2914	Tr 100 anni	11.13	31.54	32.37	32.58	33.69	0.054000	5.19	2.35	14.22	2.34
Sub_1	S1	2914	Tr 200 anni	13.64	31.54	32.41	32.63	33.99	0.058830	5.70	2.69	15.62	2.47
Sub_1	S1	2914	Tr 500 anni	17.11	31.54	32.70	32.70	32.92	0.007333	2.57	9.20	17.79	0.90
Sub_1	S1	2658	Tr 50 anni	8.74	30.82	31.62	31.63	31.77	0.008650	1.96	5.71	19.96	0.98
Sub_1	S1	2658	Tr 100 anni	11.13	30.82	31.66	31.68	31.85	0.009756	2.20	6.46	20.01	1.05
Sub_1	S1	2658	Tr 200 anni	13.64	30.82	31.69	31.73	31.92	0.010840	2.43	7.14	20.07	1.12
Sub_1	S1	2658	Tr 500 anni	17.11	30.82	31.69	31.79	32.06	0.017392	3.07	7.09	20.06	1.42
Sub_1	S1	2417	Tr 50 anni	8.74	29.83	30.84	30.93	31.16	0.007807	2.59	4.20	13.34	0.95
Sub_1	S1	2417	Tr 100 anni	11.13	29.83	30.95	31.01	31.24	0.006889	2.62	5.72	15.07	0.90
Sub_1	S1	2417	Tr 200 anni	13.64	29.83	31.05	31.12	31.33	0.006205	2.64	7.37	18.06	0.87
Sub_1	S1	2417	Tr 500 anni	17.11	29.83	31.18	31.19	31.41	0.004802	2.50	9.99	19.31	0.77
Sub_1	S1	2172	Tr 50 anni	8.74	28.93	29.95	29.95	29.95	0.000335	0.40	28.69	71.76	0.19
Sub_1	S1	2172	Tr 100 anni	11.13	28.93	29.95	29.95	29.96	0.000543	0.51	28.69	71.76	0.24
Sub_1	S1	2172	Tr 200 anni	13.64	28.93	29.95	29.95	29.96	0.000816	0.63	28.69	71.76	0.30
Sub_1	S1	2172	Tr 500 anni	17.11	28.93	29.95	29.95	29.97	0.001283	0.79	28.69	71.76	0.37
Sub_1	S1	2053	Tr 50 anni	8.74	28.24	29.04	29.30	29.84	0.031046	3.95	2.21	4.99	1.89
Sub_1	S1	2053	Tr 100 anni	11.13	28.24	29.22	29.36	29.84	0.018711	3.47	3.20	5.97	1.51
Sub_1	S1	2053	Tr 200 anni	13.64	28.24	29.36	29.36	29.37	0.000718	0.66	29.84	80.55	0.30
Sub_1	S1	2053	Tr 500 anni	17.11	28.24	29.36	29.36	29.38	0.001130	0.83	29.84	80.55	0.37
Sub_1	S1	1919	Tr 50 anni	8.74	27.80	28.70	28.70	28.70	0.000162	0.28	39.35	92.62	0.14
Sub_1	S1	1919	Tr 100 anni	11.13	27.80	28.70	28.70	28.70	0.000263	0.36	39.35	92.62	0.18
Sub_1	S1	1919	Tr 200 anni	13.64	27.80	28.70	28.70	28.71	0.000396	0.44	39.35	92.62	0.22
Sub_1	S1	1919	Tr 500 anni	17.11	27.80	28.70	28.70	28.71	0.000623	0.55	39.35	92.62	0.27
Sub_1	S1	1749	Tr 50 anni	8.74	27.53	27.96	27.96	27.96	0.000340	0.23	28.51	75.64	0.18
Sub_1	S1	1749	Tr 100 anni	11.13	27.53	27.96	27.96	27.97	0.000552	0.29	28.51	75.64	0.22
Sub_1	S1	1749	Tr 200 anni	13.64	27.53	28.06	27.96	28.07	0.000407	0.34	36.19	77.26	0.21
Sub_1	S1	1749	Tr 500 anni	17.11	27.53	28.30	27.96	28.30	0.000164	0.33	54.76	77.81	0.15
Sub_1	S1	1585	Tr 50 anni	8.74	26.38	27.53	27.53	27.71	0.010087	2.09	5.58	28.88	1.06
Sub_1	S1	1585	Tr 100 anni	11.13	26.38	27.51	27.53	27.85	0.019197	2.88	5.09	23.99	1.46
Sub_1	S1	1585	Tr 200 anni	13.64	26.38	27.53	27.53	27.96	0.024568	3.27	5.58	28.88	1.65
Sub_1	S1	1585	Tr 500 anni	17.11	26.38	27.53	27.53	28.21	0.038659	4.10	5.58	28.88	2.07
Sub_1	S1	1388	Tr 50 anni	8.74	26.73	26.98	26.98	27.13	0.015699	1.29	5.13	17.41	1.12
Sub_1	S1	1388	Tr 100 anni	11.13	26.73	27.04	27.04	27.21	0.014757	1.41	6.10	17.90	1.12
Sub_1	S1	1388	Tr 200 anni	13.64	26.73	27.09	27.09	27.28	0.014467	1.55	7.07	18.79	1.14
Sub_1	S1	1388	Tr 500 anni	17.11	26.73	27.10	27.10	27.10	0.000098	0.13	60.95	71.90	0.09
Sub_1	S1	1228	Tr 50 anni	8.74	25.62	26.19	26.19	26.19	0.000211	0.24	32.78	70.51	0.15
Sub_1	S1	1228	Tr 100 anni	11.13	25.62	26.19	26.19	26.20	0.000342	0.31	32.78	70.51	0.19
Sub_1	S1	1228	Tr 200 anni	13.64	25.62	26.19	26.19	26.20	0.000514	0.38	32.78	70.51	0.23
Sub_1	S1	1228	Tr 500 anni	17.11	25.62	26.19	26.19	26.20	0.000809	0.48	32.78	70.51	0.29
Sub_1	S1	1101	Tr 50 anni	8.74	24.51	25.38	25.62	26.10	0.029072	3.74	2.34	5.45	1.82
Sub_1	S1	1101	Tr 100 anni	11.13	24.51	25.54	25.62	26.10	0.024137	3.31	3.36	8.36	1.66
Sub_1	S1	1101	Tr 200 anni	13.64	24.51	25.62	25.62	25.85	0.011092	2.43	8.74	47.51	1.15

HEC-RAS Plan: Primaponti (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Sub_1	S1	1101	Tr 500 anni	17.11	24.51	25.65	25.65	25.66	0.000491	0.54	45.23	127.09	0.25
Sub_1	S1	912	Tr 50 anni	8.74	23.96	25.08	25.08	25.08	0.000159	0.26	36.42	75.18	0.13
Sub_1	S1	912	Tr 100 anni	11.13	23.96	25.08	25.08	25.08	0.000258	0.34	36.42	75.18	0.17
Sub_1	S1	912	Tr 200 anni	13.64	23.96	25.08	25.08	25.09	0.000387	0.41	36.42	75.18	0.20
Sub_1	S1	912	Tr 500 anni	17.11	23.96	25.08	25.08	25.09	0.000609	0.52	36.42	75.18	0.25
Sub_1	S1	771	Tr 50 anni	8.74	23.89	24.56	24.70	25.01	0.025977	3.36	3.76	20.36	1.73
Sub_1	S1	771	Tr 100 anni	11.13	23.89	24.61	24.72	25.01	0.023574	3.28	4.93	22.04	1.66
Sub_1	S1	771	Tr 200 anni	13.64	23.89	24.67	24.72	25.00	0.021244	3.08	6.23	24.17	1.57
Sub_1	S1	771	Tr 500 anni	17.11	23.89	24.70	24.72	24.99	0.020710	3.07	9.34	47.52	1.56
Sub_1	S1	596	Tr 50 anni	8.74	23.23	24.23	24.23	24.36	0.009739	1.60	5.46	20.76	1.00
Sub_1	S1	596	Tr 100 anni	11.13	23.23	24.28	24.28	24.43	0.009375	1.72	6.47	21.53	1.00
Sub_1	S1	596	Tr 200 anni	13.64	23.23	24.34	24.34	24.46	0.006353	1.57	10.21	45.98	0.85
Sub_1	S1	596	Tr 500 anni	17.11	23.23	24.39	24.39	24.52	0.006279	1.66	12.47	49.10	0.85
Principale	Princi	8453	Tr 50 anni	5.95	36.62	37.72	37.68	37.85	0.005093	1.71	4.21	12.93	0.77
Principale	Princi	8453	Tr 100 anni	7.69	36.62	37.75	37.75	37.93	0.006659	2.03	4.61	13.18	0.89
Principale	Princi	8453	Tr 200 anni	9.53	36.62	37.83	37.83	38.02	0.005754	2.08	5.84	16.47	0.85
Principale	Princi	8453	Tr 500 anni	12.11	36.62	37.92	37.92	38.10	0.004796	2.08	8.22	28.20	0.79
Principale	Princi	8365	Tr 50 anni	5.95	36.59	37.49	37.49	37.68	0.007275	2.16	3.57	10.30	0.93
Principale	Princi	8365	Tr 100 anni	7.69	36.59	37.58	37.60	37.76	0.006163	2.17	5.16	16.16	0.87
Principale	Princi	8365	Tr 200 anni	9.53	36.59	37.61	37.65	37.84	0.007721	2.49	5.59	16.27	0.98
Principale	Princi	8365	Tr 500 anni	12.11	36.59	37.67	37.75	37.93	0.008096	2.71	6.57	16.84	1.02
Principale	Princi	8284	Tr 50 anni	5.95	36.27	37.09	37.17	37.39	0.019080	2.45	2.43	7.56	1.38
Principale	Princi	8284	Tr 100 anni	7.69	36.27	37.16	37.24	37.50	0.016951	2.60	2.96	7.65	1.33
Principale	Princi	8284	Tr 200 anni	9.53	36.27	37.26	37.32	37.59	0.012121	2.53	3.77	7.77	1.16
Principale	Princi	8284	Tr 500 anni	12.11	36.27	37.41	37.41	37.63	0.006433	2.16	6.53	15.02	0.87
Principale	Princi	8171	Tr 50 anni	5.95	35.80	36.92	36.92	37.10	0.006037	2.04	3.75	11.24	0.84
Principale	Princi	8171	Tr 100 anni	7.69	35.80	37.00	37.00	37.19	0.006008	2.20	4.64	12.66	0.85
Principale	Princi	8171	Tr 200 anni	9.53	35.80	37.07	37.08	37.28	0.005868	2.33	5.63	13.99	0.86
Principale	Princi	8171	Tr 500 anni	12.11	35.80	37.12	37.15	37.39	0.007097	2.67	6.36	15.57	0.95
Principale	Princi	8059	Tr 50 anni	5.95	35.54	36.71	36.53	36.73	0.000728	0.82	13.89	49.36	0.31
Principale	Princi	8059	Tr 100 anni	7.69	35.54	36.90	36.58	36.91	0.000287	0.60	24.23	58.10	0.20
Principale	Princi	8059	Tr 200 anni	9.53	35.54	37.07	36.61	37.08	0.000155	0.49	34.24	58.89	0.15
Principale	Princi	8059	Tr 500 anni	12.11	35.54	37.28	36.66	37.28	0.000097	0.44	46.22	58.93	0.12
Principale	Princi	7981	Tr 50 anni	5.95	35.75	36.72	36.25	36.72	0.000106	0.36	27.06	56.62	0.13
Principale	Princi	7981	Tr 100 anni	7.69	35.75	36.90	36.29	36.91	0.000067	0.33	37.66	57.19	0.10
Principale	Princi	7981	Tr 200 anni	9.53	35.75	37.07	36.32	37.08	0.000050	0.32	47.40	57.30	0.09
Principale	Princi	7981	Tr 500 anni	12.11	35.75	37.28	36.36	37.28	0.000040	0.31	59.06	57.44	0.08
Principale	Princi_interm	7859	Tr 50 anni	12.14	35.13	36.32	36.32	36.68	0.008306	2.64	4.59	6.44	1.00
Principale	Princi_interm	7859	Tr 100 anni	15.43	35.13	36.45	36.45	36.86	0.008066	2.82	5.47	6.72	1.00
Principale	Princi_interm	7859	Tr 200 anni	18.88	35.13	36.61	36.61	37.03	0.008003	2.87	6.57	7.82	1.00
Principale	Princi_interm	7859	Tr 500 anni	23.65	35.13	36.76	36.76	37.23	0.007816	3.04	7.78	8.24	1.00
Principale	Princi_interm	7755	Tr 50 anni	12.14	34.42	35.73	35.90	36.26	0.022318	3.21	3.78	8.85	1.57
Principale	Princi_interm	7755	Tr 100 anni	15.43	34.42	35.79	36.03	36.43	0.023349	3.54	4.36	9.13	1.64
Principale	Princi_interm	7755	Tr 200 anni	18.88	34.42	35.86	36.13	36.60	0.023493	3.80	4.97	9.40	1.67
Principale	Princi_interm	7755	Tr 500 anni	23.65	34.42	35.94	36.21	36.79	0.024370	4.09	5.96	14.01	1.72
Principale	Princi_interm	7649	Tr 50 anni	12.14	34.06	35.83	35.52	35.96	0.002569	1.58	7.67	8.76	0.54
Principale	Princi_interm	7649	Tr 100 anni	15.43	34.06	35.63	35.63	35.97	0.009263	2.60	5.92	8.54	1.00
Principale	Princi_interm	7649	Tr 200 anni	18.88	34.06	35.73	35.73	36.12	0.009000	2.77	6.81	8.67	1.00
Principale	Princi_interm	7649	Tr 500 anni	23.65	34.06	35.86	35.86	36.31	0.008715	2.97	7.95	8.79	1.00
Principale	Princi_interm	7508	Tr 50 anni	12.14	33.69	35.49	35.49	35.76	0.009063	2.28	5.32	9.98	1.00
Principale	Princi_interm	7508	Tr 100 anni	15.43	33.69	35.59	35.59	35.66	0.002765	1.36	14.71	35.01	0.56
Principale	Princi_interm	7508	Tr 200 anni	18.88	33.69	35.59	35.59	35.69	0.004140	1.67	14.71	35.01	0.69
Principale	Princi_interm	7508	Tr 500 anni	23.65	33.69	35.59	35.59	35.75	0.006497	2.09	14.71	35.01	0.86
Principale	Princi_interm	7385	Tr 50 anni	12.14	33.41	34.23	34.53	35.14	0.027287	4.22	2.87	5.29	1.83
Principale	Princi_interm	7385	Tr 100 anni	15.43	33.41	34.35	34.67	35.32	0.025572	4.37	3.53	5.88	1.80
Principale	Princi_interm	7385	Tr 200 anni	18.88	33.41	34.55	34.80	35.34	0.016911	3.92	4.81	6.89	1.50
Principale	Princi_interm	7385	Tr 500 anni	23.65	33.41	34.86	34.96	35.41	0.009128	3.28	7.21	8.49	1.14
Principale	Princi_interm	7269	Tr 50 anni	12.14	32.74	33.80	33.95	34.38	0.013819	3.38	3.59	5.42	1.32
Principale	Princi_interm	7269	Tr 100 anni	15.43	32.74	33.92	34.10	34.58	0.013782	3.60	4.29	5.85	1.34
Principale	Princi_interm	7269	Tr 200 anni	18.88	32.74	34.02	34.24	34.77	0.014246	3.84	4.92	6.22	1.38
Principale	Princi_interm	7269	Tr 500 anni	23.65	32.74	34.18	34.41	34.99	0.013690	4.00	5.91	6.79	1.37
Principale	Princi_interm	7156	Tr 50 anni	12.14	32.40	33.93	33.69	34.14	0.003627	2.00	6.07	7.31	0.70
Principale	Princi_interm	7156	Tr 100 anni	15.43	32.40	34.07	33.85	34.31	0.003959	2.17	7.10	8.09	0.74
Principale	Princi_interm	7156	Tr 200 anni	18.88	32.40	34.19	34.00	34.46	0.004226	2.33	8.10	8.74	0.77
Principale	Princi_interm	7156	Tr 500 anni	23.65	32.40	34.33	34.16	34.65	0.004564	2.52	9.39	9.58	0.81
Principale	Princi_interm	7046	Tr 50 anni	12.14	32.44	33.65	33.63	33.96	0.007025	2.48	4.89	7.24	0.96
Principale	Princi_interm	7046	Tr 100 anni	15.43	32.44	33.79	33.77	34.13	0.006752	2.56	6.03	8.31	0.96
Principale	Princi_interm	7046	Tr 200 anni	18.88	32.44	33.91	33.90	34.28	0.006800	2.67	7.07	9.20	0.97
Principale	Princi_interm	7046	Tr 500 anni	23.65	32.44	34.04	34.04	34.46	0.006865	2.87	8.26	10.18	0.99
Principale	Princi_interm	6938	Tr 50 anni	12.14	32.15	33.36	33.36	33.72	0.007605	2.63	4.61	6.53	1.00

HEC-RAS Plan: Primaponti (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
Principale	Princi_inter	6938	Tr 100 anni	15.43	32.15	33.52	33.52	33.89	0.007396	2.70	5.71	7.66	1.00
Principale	Princi_inter	6938	Tr 200 anni	18.88	32.15	33.65	33.65	34.04	0.007179	2.76	6.84	9.22	1.00
Principale	Princi_inter	6938	Tr 500 anni	23.65	32.15	33.79	33.79	33.96	0.004049	2.06	17.39	55.28	0.75
Principale	Princi_inter	6825	Tr 50 anni	12.14	31.90	33.18	33.08	33.46	0.005580	2.32	5.23	7.07	0.86
Principale	Princi_inter	6825	Tr 100 anni	15.43	31.90	33.22	33.26	33.62	0.008155	2.81	5.49	7.44	1.04
Principale	Princi_inter	6825	Tr 200 anni	18.88	31.90	33.35	33.45	33.76	0.009554	2.81	6.73	13.05	1.12
Principale	Princi_inter	6825	Tr 500 anni	23.65	31.90	33.49	33.49	33.63	0.004301	1.97	18.12	63.68	0.76
Principale	Princi_inter	6740	Tr 50 anni	12.14	31.61	32.93	32.93	33.28	0.007767	2.60	4.68	6.82	1.00
Principale	Princi_inter	6740	Tr 100 anni	15.43	31.61	33.08	33.17	33.37	0.008535	2.46	7.74	32.42	1.04
Principale	Princi_inter	6740	Tr 200 anni	18.88	31.61	33.10	33.21	33.48	0.011348	2.87	8.30	33.14	1.20
Principale	Princi_inter	6740	Tr 500 anni	23.65	31.61	33.22	33.32	33.48	0.007437	2.52	14.33	59.77	0.99
Principale	Princi_inter	6655	Tr 50 anni	12.14	31.31	32.86	32.56	33.01	0.004277	1.74	7.74	26.40	0.73
Principale	Princi_inter	6655	Tr 100 anni	15.43	31.31	33.11	32.92	33.14	0.000759	0.93	30.40	106.02	0.33
Principale	Princi_inter	6655	Tr 200 anni	18.88	31.31	33.12	32.96	33.16	0.001001	1.08	32.03	107.19	0.38
Principale	Princi_inter	6655	Tr 500 anni	23.65	31.31	33.16	33.01	33.20	0.001221	1.23	35.49	110.51	0.42
Principale	Princi_inter	6650	Bridge										
Principale	Princi_inter	6473	Tr 50 anni	12.14	30.66	31.84	31.84	32.19	0.007586	2.63	4.62	6.56	1.00
Principale	Princi_inter	6473	Tr 100 anni	15.43	30.66	31.98	31.98	32.37	0.007352	2.76	5.60	7.23	1.00
Principale	Princi_inter	6473	Tr 200 anni	18.88	30.66	32.11	32.11	32.53	0.007197	2.87	6.59	7.89	1.00
Principale	Princi_inter	6473	Tr 500 anni	23.65	30.66	32.40	32.40	32.70	0.004562	2.48	10.86	24.70	0.82
Principale	Princi_inter	6300	Tr 50 anni	12.14	30.29	31.52	31.42	31.77	0.005325	2.24	5.41	7.56	0.85
Principale	Princi_inter	6300	Tr 100 anni	15.43	30.29	31.63	31.56	31.94	0.005952	2.47	6.27	9.16	0.90
Principale	Princi_inter	6300	Tr 200 anni	18.88	30.29	31.62	31.79	32.09	0.009204	3.06	6.19	8.85	1.12
Principale	Princi_inter	6300	Tr 500 anni	23.65	30.29	31.69	31.94	32.29	0.012358	3.44	7.03	13.53	1.30
Principale	Princi_inter	6184	Tr 50 anni	12.14	30.23	31.23	31.23	31.55	0.007560	2.48	4.89	7.75	1.00
Principale	Princi_inter	6184	Tr 100 anni	15.43	30.23	31.40	31.40	31.70	0.007341	2.39	6.50	12.36	0.98
Principale	Princi_inter	6184	Tr 200 anni	18.88	30.23	31.56	31.59	31.79	0.004646	2.18	10.59	37.39	0.81
Principale	Princi_inter	6184	Tr 500 anni	23.65	30.23	31.59	31.66	31.91	0.006236	2.58	11.58	38.95	0.94
Principale	Princi_inter	6001	Tr 50 anni	12.14	29.60	30.90	30.70	31.06	0.004970	1.80	7.46	23.41	0.79
Principale	Princi_inter	6001	Tr 100 anni	15.43	29.60	30.77	30.96	31.21	0.009554	2.94	5.31	10.78	1.13
Principale	Princi_inter	6001	Tr 200 anni	18.88	29.60	30.86	31.02	31.34	0.014446	3.12	6.44	19.14	1.35
Principale	Princi_inter	6001	Tr 500 anni	23.65	29.60	30.94	31.09	31.41	0.013458	3.12	9.00	28.40	1.32
Principale	Princi_inter	5874	Tr 50 anni	12.14	29.24	30.59	30.59	30.83	0.006669	2.19	5.89	15.16	0.92
Principale	Princi_inter	5874	Tr 100 anni	15.43	29.24	30.74	30.71	30.95	0.005327	2.08	8.40	20.81	0.84
Principale	Princi_inter	5874	Tr 200 anni	18.88	29.24	30.80	30.80	31.04	0.005692	2.28	9.70	23.64	0.88
Principale	Princi_inter	5874	Tr 500 anni	23.65	29.24	30.90	30.90	31.15	0.005071	2.36	12.27	26.18	0.85
Principale	Princi_inter	5696	Tr 50 anni	12.14	28.89	30.03	30.06	30.42	0.008290	2.75	4.42	6.24	1.04
Principale	Princi_inter	5696	Tr 100 anni	15.43	28.89	30.22	30.22	30.59	0.007461	2.70	5.72	7.75	1.00
Principale	Princi_inter	5696	Tr 200 anni	18.88	28.89	30.41	30.43	30.71	0.006438	2.46	8.36	18.28	0.93
Principale	Princi_inter	5696	Tr 500 anni	23.65	28.89	30.50	30.54	30.84	0.006368	2.65	10.13	21.24	0.95
Principale	Princi_inter	5552	Tr 50 anni	12.14	28.48	29.64	29.68	30.04	0.009017	2.80	4.34	6.37	1.08
Principale	Princi_inter	5552	Tr 100 anni	15.43	28.48	29.76	29.83	30.22	0.009404	2.99	5.15	7.07	1.12
Principale	Princi_inter	5552	Tr 200 anni	18.88	28.48	29.93	30.04	30.36	0.009492	2.89	6.60	10.92	1.12
Principale	Princi_inter	5552	Tr 500 anni	23.65	28.48	30.06	30.20	30.50	0.008830	2.99	8.47	17.94	1.10
Principale	Princi_inter	5430	Tr 50 anni	12.14	28.23	29.40	29.38	29.75	0.006972	2.61	4.65	6.14	0.96
Principale	Princi_inter	5430	Tr 100 anni	15.43	28.23	29.53	29.53	29.93	0.007417	2.83	5.45	6.69	1.00
Principale	Princi_inter	5430	Tr 200 anni	18.88	28.23	29.68	29.68	30.10	0.007231	2.87	6.58	7.81	1.00
Principale	Princi_inter	5430	Tr 500 anni	23.65	28.23	30.02	30.02	30.26	0.004253	2.25	12.54	33.74	0.78
Principale	Princi_inter	5271	Tr 50 anni	12.14	27.97	29.05	29.05	29.39	0.007665	2.60	4.68	6.88	1.01
Principale	Princi_inter	5271	Tr 100 anni	15.43	27.97	29.19	29.20	29.56	0.007541	2.70	5.71	7.84	1.01
Principale	Princi_inter	5271	Tr 200 anni	18.88	27.97	29.28	29.34	29.71	0.008851	2.92	6.46	8.92	1.10
Principale	Princi_inter	5271	Tr 500 anni	23.65	27.97	29.34	29.48	29.91	0.011239	3.35	7.06	9.55	1.24
Principale	Princi_inter	5075	Tr 50 anni	12.14	27.50	28.37	28.47	28.82	0.011846	2.97	4.09	6.96	1.24
Principale	Princi_inter	5075	Tr 100 anni	15.43	27.50	28.48	28.59	28.99	0.011766	3.17	4.86	7.43	1.25
Principale	Princi_inter	5075	Tr 200 anni	18.88	27.50	28.85	28.71	29.14	0.004674	2.38	7.92	9.22	0.82
Principale	Princi_inter	5075	Tr 500 anni	23.65	27.50	29.03	28.86	29.33	0.004314	2.44	9.71	10.31	0.80
Principale	Princi_inter	4932	Tr 50 anni	12.14	27.19	28.28	28.21	28.57	0.005780	2.36	5.15	7.08	0.88
Principale	Princi_inter	4932	Tr 100 anni	15.43	27.19	28.42	28.35	28.74	0.005812	2.52	6.13	7.67	0.90
Principale	Princi_inter	4932	Tr 200 anni	18.88	27.19	28.53	28.47	28.90	0.006096	2.70	7.00	8.16	0.93
Principale	Princi_inter	4932	Tr 500 anni	23.65	27.19	28.66	28.64	29.09	0.006507	2.91	8.12	8.86	0.97
Principale	Princi_inter	4705	Tr 50 anni	12.14	26.50	27.74	27.74	28.10	0.007660	2.67	4.55	6.31	1.00
Principale	Princi_inter	4705	Tr 100 anni	15.43	26.50	27.90	27.90	28.28	0.007462	2.73	5.64	7.41	1.00
Principale	Princi_inter	4705	Tr 200 anni	18.88	26.50	28.05	28.05	28.43	0.007385	2.75	6.88	8.97	1.00
Principale	Princi_inter	4705	Tr 500 anni	23.65	26.50	28.20	28.20	28.61	0.007169	2.82	8.38	10.31	1.00
Principale	Princi_inter	4528	Tr 50 anni	12.14	26.19	27.16	27.27	27.57	0.012726	2.87	4.42	11.09	1.26
Principale	Princi_inter	4528	Tr 100 anni	15.43	26.19	27.22	27.36	27.73	0.013928	3.19	5.16	11.53	1.34
Principale	Princi_inter	4528	Tr 200 anni	18.88	26.19	27.63	27.45	27.83	0.002879	2.06	10.53	14.77	0.67
Principale	Princi_inter	4528	Tr 500 anni	23.65	26.19	27.77	27.58	27.99	0.002738	2.19	12.64	17.19	0.66
Principale	Princi_inter	4360	Tr 50 anni	12.14	25.62	26.86	26.86	27.24	0.007612	2.72	4.46	5.89	1.00
Principale	Princi_inter	4360	Tr 100 anni	15.43	25.62	27.02	27.02	27.43	0.007423	2.84	5.44	6.64	1.00

HEC-RAS Plan: Primaponti (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Principale	Princi_interm	4360	Tr 200 anni	18.88	25.62	27.20	27.20	27.59	0.007395	2.76	6.84	8.82	1.00
Principale	Princi_interm	4360	Tr 500 anni	23.65	25.62	27.40	27.40	27.76	0.007415	2.63	8.98	12.71	1.00
Principale	Princi_interm	4206	Tr 50 anni	12.14	25.36	26.70	26.43	26.85	0.002321	1.67	7.29	9.08	0.58
Principale	Princi_interm	4206	Tr 100 anni	15.43	25.36	26.75	26.54	26.96	0.003099	2.01	7.75	9.26	0.68
Principale	Princi_interm	4206	Tr 200 anni	18.88	25.36	26.50	26.65	27.10	0.013842	3.45	5.48	8.33	1.36
Principale	Princi_interm	4206	Tr 500 anni	23.65	25.36	26.62	26.78	27.29	0.012424	3.62	6.55	8.78	1.32
Principale	Princi_interm	4056	Tr 50 anni	12.14	25.64	26.50	26.50	26.67	0.006833	1.87	6.97	22.69	0.91
Principale	Princi_interm	4056	Tr 100 anni	15.43	25.64	26.59	26.59	26.76	0.005930	1.89	9.30	29.20	0.87
Principale	Princi_interm	4056	Tr 200 anni	18.88	25.64	26.64	26.64	26.83	0.005866	2.01	10.95	29.99	0.87
Principale	Princi_interm	4056	Tr 500 anni	23.65	25.64	26.72	26.72	26.92	0.005573	2.08	13.66	38.31	0.87
Principale	Princi_interm	3887	Tr 50 anni	12.14	24.79	25.92	25.94	26.28	0.008083	2.63	4.61	6.90	1.03
Principale	Princi_interm	3887	Tr 100 anni	15.43	24.79	26.14	26.16	26.43	0.006445	2.41	6.81	16.07	0.93
Principale	Princi_interm	3887	Tr 200 anni	18.88	24.79	26.27	26.29	26.54	0.005297	2.36	9.29	23.67	0.86
Principale	Princi_interm	3887	Tr 500 anni	23.65	24.79	26.38	26.44	26.65	0.004964	2.42	12.22	29.59	0.85
Principale	Princi_interm	3722	Tr 50 anni	12.14	24.50	25.53	25.56	25.86	0.008022	2.54	4.81	9.24	1.03
Principale	Princi_interm	3722	Tr 100 anni	15.43	24.50	25.60	25.76	26.02	0.009610	2.87	5.58	13.00	1.13
Principale	Princi_interm	3722	Tr 200 anni	18.88	24.50	25.68	25.84	26.15	0.010282	3.09	6.79	18.90	1.19
Principale	Princi_interm	3722	Tr 500 anni	23.65	24.50	25.77	25.93	26.27	0.010146	3.25	8.65	21.28	1.19
Principale	Princi_interm	3589	Tr 50 anni	12.14	23.93	25.32	25.33	25.57	0.005449	2.22	6.02	19.97	0.85
Principale	Princi_interm	3589	Tr 100 anni	15.43	23.93	25.40	25.46	25.69	0.005855	2.46	7.66	24.60	0.90
Principale	Princi_interm	3589	Tr 200 anni	18.88	23.93	25.45	25.54	25.79	0.006508	2.71	8.97	26.19	0.96
Principale	Princi_interm	3589	Tr 500 anni	23.65	23.93	25.52	25.64	25.90	0.006931	2.95	10.88	28.48	1.00
Principale	Princi_interm	3461	Tr 50 anni	12.14	24.02	24.79	24.90	25.22	0.014584	2.92	4.17	9.06	1.35
Principale	Princi_interm	3461	Tr 100 anni	15.43	24.02	24.90	25.01	25.36	0.011728	3.00	5.24	10.33	1.25
Principale	Princi_interm	3461	Tr 200 anni	18.88	24.02	25.02	25.11	25.48	0.009199	3.01	6.56	11.62	1.14
Principale	Princi_interm	3461	Tr 500 anni	23.65	24.02	25.19	25.23	25.63	0.006876	2.99	8.65	13.92	1.02
Principale	Princi_interm	3285	Tr 50 anni	12.14	23.09	24.39	24.26	24.62	0.004685	2.13	5.70	7.87	0.80
Principale	Princi_interm	3285	Tr 100 anni	15.43	23.09	24.64	24.39	24.71	0.001561	1.37	18.02	54.57	0.47
Principale	Princi_interm	3285	Tr 200 anni	18.88	23.09	24.78	24.57	24.83	0.001004	1.22	26.76	71.29	0.39
Principale	Princi_interm	3285	Tr 500 anni	23.65	23.09	24.52	24.63	25.14	0.011859	3.48	6.79	9.00	1.28
Principale	Princi_interm	3159	Tr 50 anni	12.14	22.85	24.24	24.06	24.44	0.004090	1.99	6.10	8.36	0.74
Principale	Princi_interm	3159	Tr 100 anni	15.43	22.85	24.36	24.20	24.59	0.004702	2.16	7.15	9.71	0.80
Principale	Princi_interm	3159	Tr 200 anni	18.88	22.85	24.34	24.34	24.71	0.007320	2.69	7.02	9.53	1.00
Principale	Princi_interm	3159	Tr 500 anni	23.65	22.85	24.42	24.50	24.70	0.006538	2.57	12.85	41.43	0.95
Principale	Princi_interm	3010	Tr 50 anni	12.14	23.01	23.99	23.99	24.21	0.006214	2.13	6.30	17.54	0.90
Principale	Princi_interm	3010	Tr 100 anni	15.43	23.01	24.04	24.04	24.32	0.007399	2.42	7.39	28.01	0.99
Principale	Princi_interm	3010	Tr 200 anni	18.88	23.01	24.17	24.19	24.38	0.005282	2.22	11.12	31.78	0.85
Principale	Princi_interm	3010	Tr 500 anni	23.65	23.01	24.28	24.27	24.47	0.004273	2.18	14.86	35.56	0.79
Principale	Princi_interm	2818	Tr 50 anni	12.14	22.41	23.62	23.46	23.81	0.004375	1.91	6.37	10.05	0.77
Principale	Princi_interm	2818	Tr 100 anni	15.43	22.41	23.74	23.60	23.95	0.004531	2.00	7.71	11.64	0.79
Principale	Princi_interm	2818	Tr 200 anni	18.88	22.41	23.85	23.72	24.07	0.004477	2.10	9.02	14.08	0.79
Principale	Princi_interm	2818	Tr 500 anni	23.65	22.41	23.96	23.85	24.22	0.004279	2.26	10.86	18.96	0.79
Principale	Princi_interm	2687	Tr 50 anni	12.14	22.29	23.37	23.29	23.60	0.005690	2.14	5.67	9.17	0.87
Principale	Princi_interm	2687	Tr 100 anni	15.43	22.29	23.52	23.43	23.75	0.005111	2.14	7.23	11.33	0.84
Principale	Princi_interm	2687	Tr 200 anni	18.88	22.29	23.62	23.53	23.88	0.004956	2.26	8.44	12.85	0.84
Principale	Princi_interm	2687	Tr 500 anni	23.65	22.29	23.74	23.66	24.04	0.004714	2.42	10.13	15.21	0.84
Principale	Princi_interm	2609	Tr 50 anni	12.14	22.06	23.12	23.12	23.44	0.007589	2.50	4.85	7.56	1.00
Principale	Princi_interm	2609	Tr 100 anni	15.43	22.06	23.26	23.26	23.60	0.007483	2.55	6.05	9.14	1.00
Principale	Princi_interm	2609	Tr 200 anni	18.88	22.06	23.38	23.38	23.73	0.007274	2.61	7.24	10.70	1.00
Principale	Princi_interm	2609	Tr 500 anni	23.65	22.06	23.51	23.51	23.90	0.006454	2.75	8.81	13.10	0.97
Principale	Princi_Valle	2288	Tr 50 anni	14.38	21.41	22.49	22.53	22.73	0.006541	2.24	7.55	23.61	0.93
Principale	Princi_Valle	2288	Tr 100 anni	18.27	21.41	22.54	22.62	22.84	0.007785	2.54	8.73	24.81	1.02
Principale	Princi_Valle	2288	Tr 200 anni	22.36	21.41	22.58	22.68	22.94	0.008828	2.80	9.90	25.60	1.10
Principale	Princi_Valle	2288	Tr 500 anni	27.99	21.41	22.63	22.80	23.08	0.010586	3.17	11.10	26.27	1.21
Principale	Princi_Valle	2136	Tr 50 anni	14.38	21.36	22.36	22.31	22.49	0.004298	1.87	10.48	26.78	0.76
Principale	Princi_Valle	2136	Tr 100 anni	18.27	21.36	22.42	22.37	22.58	0.004720	2.09	12.30	30.94	0.81
Principale	Princi_Valle	2136	Tr 200 anni	22.36	21.36	22.48	22.45	22.66	0.004735	2.22	14.34	34.28	0.82
Principale	Princi_Valle	2136	Tr 500 anni	27.99	21.36	22.54	22.49	22.76	0.005545	2.52	16.30	36.35	0.90
Principale	Princi_Valle	1999	Tr 50 anni	14.38	21.02	22.10	22.10	22.29	0.005383	2.04	8.94	26.47	0.84
Principale	Princi_Valle	1999	Tr 100 anni	18.27	21.02	22.18	22.18	22.38	0.005052	2.15	11.25	30.60	0.84
Principale	Princi_Valle	1999	Tr 200 anni	22.36	21.02	22.26	22.26	22.47	0.004671	2.23	13.97	35.57	0.82
Principale	Princi_Valle	1999	Tr 500 anni	27.99	21.02	22.39	22.39	22.57	0.003637	2.18	20.40	65.41	0.74
Principale	Princi_Valle	1816	Tr 50 anni	14.38	20.51	21.60	21.66	21.89	0.009631	2.39	6.39	16.28	1.09
Principale	Princi_Valle	1816	Tr 100 anni	18.27	20.51	21.69	21.75	22.00	0.009015	2.51	7.98	20.26	1.08
Principale	Princi_Valle	1816	Tr 200 anni	22.36	20.51	21.76	21.84	22.10	0.008979	2.68	9.54	26.26	1.10
Principale	Princi_Valle	1816	Tr 500 anni	27.99	20.51	21.82	21.84	22.23	0.009544	2.96	11.51	31.76	1.15
Principale	Princi_Valle	1681	Tr 50 anni	14.38	19.82	20.98	21.07	21.46	0.010122	3.06	4.69	6.57	1.16
Principale	Princi_Valle	1681	Tr 100 anni	18.27	19.82	21.20	21.28	21.63	0.008282	2.91	6.29	8.28	1.06
Principale	Princi_Valle	1681	Tr 200 anni	22.36	19.82	21.40	21.46	21.75	0.007933	2.67	8.76	17.91	1.04
Principale	Princi_Valle	1681	Tr 500 anni	27.99	19.82	21.51	21.58	21.89	0.007034	2.79	11.26	24.17	1.00

HEC-RAS Plan: Primaponti (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
Principale	Princi_Valle	1512	Tr 50 anni	14.38	19.34	20.75	20.64	21.04	0.005561	2.39	6.02	7.81	0.87
Principale	Princi_Valle	1512	Tr 100 anni	18.27	19.34	20.80	20.97	21.21	0.007910	2.84	6.45	10.00	1.04
Principale	Princi_Valle	1512	Tr 200 anni	22.36	19.34	20.93	21.07	21.33	0.008346	2.82	8.82	26.75	1.06
Principale	Princi_Valle	1512	Tr 500 anni	27.99	19.34	21.01	21.20	21.46	0.009601	3.08	10.91	33.76	1.15
Principale	Princi_Valle	1339	Tr 50 anni	14.38	19.03	20.32	20.32	20.69	0.007411	2.72	5.29	7.03	1.00
Principale	Princi_Valle	1339	Tr 100 anni	18.27	19.03	20.52	20.65	20.83	0.005741	2.54	8.75	35.06	0.89
Principale	Princi_Valle	1339	Tr 200 anni	22.36	19.03	20.57	20.70	20.92	0.006653	2.76	10.98	46.24	0.97
Principale	Princi_Valle	1339	Tr 500 anni	27.99	19.03	20.65	20.76	20.99	0.007304	2.83	14.94	53.94	1.01
Principale	Princi_Valle	1160	Tr 50 anni	14.38	18.72	20.25	20.10	20.33	0.002041	1.41	13.74	29.68	0.53
Principale	Princi_Valle	1160	Tr 100 anni	18.27	18.72	20.40	20.19	20.46	0.001341	1.24	21.43	47.40	0.44
Principale	Princi_Valle	1160	Tr 200 anni	22.36	18.72	20.12	20.26	20.50	0.008820	3.02	10.09	25.84	1.10
Principale	Princi_Valle	1160	Tr 500 anni	27.99	18.72	20.24	20.30	20.55	0.008285	2.85	13.31	29.31	1.06
Principale	Princi_Valle	986	Tr 50 anni	14.38	18.52	19.76	19.76	20.12	0.007463	2.65	5.42	7.59	1.00
Principale	Princi_Valle	986	Tr 100 anni	18.27	18.52	19.94	19.94	20.29	0.007372	2.63	6.94	9.82	1.00
Principale	Princi_Valle	986	Tr 200 anni	22.36	18.52	20.06	20.06	20.21	0.004082	1.98	16.45	47.95	0.75
Principale	Princi_Valle	986	Tr 500 anni	27.99	18.52	20.23	20.13	20.32	0.002377	1.59	25.09	51.90	0.58
Principale	Princi_Valle	781	Tr 50 anni	14.38	17.80	18.87	19.03	19.48	0.013302	3.46	4.16	5.92	1.32
Principale	Princi_Valle	781	Tr 100 anni	18.27	17.80	19.02	19.18	19.68	0.012176	3.58	5.10	6.42	1.28
Principale	Princi_Valle	781	Tr 200 anni	22.36	17.80	19.27	19.33	19.82	0.008404	3.30	6.78	7.24	1.09
Principale	Princi_Valle	781	Tr 500 anni	27.99	17.80	19.52	19.52	20.05	0.006836	3.20	8.76	8.39	1.00
Principale	Princi_Valle	593	Tr 50 anni	14.38	17.41	18.31	18.39	18.76	0.010592	2.96	4.87	7.62	1.18
Principale	Princi_Valle	593	Tr 100 anni	18.27	17.41	18.39	18.53	18.96	0.012052	3.33	5.49	7.90	1.27
Principale	Princi_Valle	593	Tr 200 anni	22.36	17.41	18.44	18.66	19.18	0.014841	3.81	5.88	8.06	1.42
Principale	Princi_Valle	593	Tr 500 anni	27.99	17.41	18.54	18.82	19.43	0.016310	4.18	6.69	8.53	1.51
Principale	Princi_Valle	410	Tr 50 anni	14.38	16.12	17.89	17.41	18.04	0.001987	1.74	8.24	7.59	0.53
Principale	Princi_Valle	410	Tr 100 anni	18.27	16.12	18.04	17.58	18.23	0.002212	1.93	9.47	8.09	0.57
Principale	Princi_Valle	410	Tr 200 anni	22.36	16.12	18.18	17.73	18.41	0.002433	2.10	10.64	8.58	0.60
Principale	Princi_Valle	410	Tr 500 anni	27.99	16.12	18.31	17.92	18.60	0.003035	2.38	11.78	9.39	0.68
Principale	Princi_Valle	146	Tr 50 anni	14.38	16.16	17.39	17.39	17.74	0.007571	2.63	5.46	7.88	1.01
Principale	Princi_Valle	146	Tr 100 anni	18.27	16.16	17.53	17.53	17.92	0.007323	2.75	6.65	8.78	1.01
Principale	Princi_Valle	146	Tr 200 anni	22.36	16.16	17.66	17.66	18.08	0.007240	2.86	7.81	9.61	1.01
Principale	Princi_Valle	146	Tr 500 anni	27.99	16.16	17.92	17.92	18.24	0.006804	2.54	11.23	19.78	0.97
Principale	Princi_Valle	95	Tr 50 anni	14.38	14.55	15.29	15.79	17.31	0.072305	6.30	2.28	4.82	2.92
Principale	Princi_Valle	95	Tr 100 anni	18.27	14.55	15.40	15.94	17.50	0.063335	6.41	2.85	5.28	2.78
Principale	Princi_Valle	95	Tr 200 anni	22.36	14.55	15.51	16.09	17.66	0.056487	6.49	3.44	5.72	2.67
Principale	Princi_Valle	95	Tr 500 anni	27.99	14.55	15.65	16.26	17.84	0.048617	6.55	4.28	6.23	2.52

HEC-RAS Plan: Plan 05 River: este Reach: Reach 1

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
Reach 1	3966	Tr 50 anni	5.95	48.47	49.14	49.14	49.39	0.005427	2.20	2.70	5.46	1.00
Reach 1	3966	Tr 100 anni	7.69	48.47	49.24	49.24	49.53	0.005234	2.36	3.26	5.71	1.00
Reach 1	3966	Tr 200 anni	9.53	48.47	49.34	49.34	49.65	0.005109	2.50	3.81	5.96	1.00
Reach 1	3966	Tr 500 anni	12.11	48.47	49.46	49.46	49.82	0.004971	2.65	4.58	6.41	1.00
Reach 1	3842	Tr 50 anni	5.95	48.09	48.61	48.74	49.03	0.017066	2.87	2.07	6.74	1.65
Reach 1	3842	Tr 100 anni	7.69	48.09	48.67	48.74	49.18	0.017235	3.16	2.44	6.91	1.70
Reach 1	3842	Tr 200 anni	9.53	48.09	48.72	48.76	49.30	0.017667	3.37	2.83	7.41	1.74
Reach 1	3842	Tr 500 anni	12.11	48.09	48.82	48.82	49.03	0.006100	2.25	6.59	15.64	1.06
Reach 1	3737	Tr 50 anni	5.95	47.60	48.33	48.34	48.67	0.007629	2.57	2.32	4.54	1.15
Reach 1	3737	Tr 100 anni	7.69	47.60	48.34	48.34	48.45	0.003729	1.80	6.40	19.23	0.80
Reach 1	3737	Tr 200 anni	9.53	47.60	48.35	48.35	48.50	0.005144	2.15	6.64	19.28	0.95
Reach 1	3737	Tr 500 anni	12.11	47.60	48.41	48.41	48.58	0.005418	2.33	7.69	19.55	0.98
Reach 1	3602	Tr 50 anni	5.95	46.55	47.26	47.55	48.12	0.022518	4.09	1.45	3.16	1.93
Reach 1	3602	Tr 100 anni	7.69	46.55	47.46	47.71	48.12	0.013893	3.60	2.14	3.91	1.55
Reach 1	3602	Tr 200 anni	9.53	46.55	47.64	47.85	48.18	0.009752	3.25	2.99	7.36	1.33
Reach 1	3602	Tr 500 anni	12.11	46.55	47.80	47.87	48.27	0.008421	3.12	4.32	9.76	1.25
Reach 1	3451	Tr 50 anni	5.95	46.31	46.85	46.96	47.25	0.011874	2.79	2.13	5.53	1.44
Reach 1	3451	Tr 100 anni	7.69	46.31	46.89	47.06	47.43	0.014474	3.25	2.36	5.65	1.61
Reach 1	3451	Tr 200 anni	9.53	46.31	46.94	47.14	47.60	0.015796	3.60	2.65	5.79	1.70
Reach 1	3451	Tr 500 anni	12.11	46.31	47.04	47.28	47.75	0.014096	3.74	3.24	6.08	1.64
Reach 1	3357	Tr 50 anni	5.95	45.96	46.46	46.58	46.84	0.017026	2.71	2.19	8.06	1.66
Reach 1	3357	Tr 100 anni	7.69	45.96	46.52	46.66	46.94	0.017946	2.87	2.68	9.45	1.72
Reach 1	3357	Tr 200 anni	9.53	45.96	46.55	46.72	47.06	0.019352	3.15	3.02	9.73	1.81
Reach 1	3357	Tr 500 anni	12.11	45.96	46.59	46.80	47.24	0.022041	3.56	3.40	10.05	1.96
Reach 1	3243	Tr 50 anni	5.95	45.14	45.52	45.68	46.07	0.028411	3.26	1.82	7.48	2.11
Reach 1	3243	Tr 100 anni	7.69	45.14	45.58	45.76	46.18	0.025295	3.43	2.24	7.77	2.04
Reach 1	3243	Tr 200 anni	9.53	45.14	45.63	45.83	46.30	0.023597	3.63	2.63	7.92	2.01
Reach 1	3243	Tr 500 anni	12.11	45.14	45.69	45.92	46.46	0.022134	3.87	3.13	8.12	1.99
Reach 1	3079	Tr 50 anni	5.95	44.76	45.38	45.38	45.56	0.005705	1.92	3.10	8.21	1.00
Reach 1	3079	Tr 100 anni	7.69	44.76	45.45	45.45	45.67	0.005567	2.09	3.68	8.37	1.00
Reach 1	3079	Tr 200 anni	9.53	44.76	45.52	45.52	45.77	0.005320	2.22	4.29	8.53	1.00
Reach 1	3079	Tr 500 anni	12.11	44.76	45.61	45.61	45.90	0.005097	2.38	5.08	8.73	1.00
Reach 1	2976	Tr 50 anni	5.95	44.25	44.87	44.99	45.26	0.015999	2.77	2.14	7.18	1.62
Reach 1	2976	Tr 100 anni	7.69	44.25	44.93	45.06	45.38	0.014817	2.97	2.59	7.37	1.60
Reach 1	2976	Tr 200 anni	9.53	44.25	44.99	45.14	45.49	0.013912	3.14	3.04	7.56	1.58
Reach 1	2976	Tr 500 anni	12.11	44.25	45.07	45.25	45.63	0.012815	3.32	3.65	7.81	1.55
Reach 1	2829	Tr 50 anni	5.95	44.10	44.60	44.60	44.60	0.000046	0.14	44.50	110.34	0.09
Reach 1	2829	Tr 100 anni	7.69	44.10	44.60	44.60	44.60	0.000078	0.18	44.50	110.34	0.11
Reach 1	2829	Tr 200 anni	9.53	44.10	44.60	44.60	44.60	0.000119	0.22	44.50	110.34	0.14
Reach 1	2829	Tr 500 anni	12.11	44.10	44.60	44.60	44.60	0.000192	0.28	44.50	110.34	0.18
Reach 1	2708	Tr 50 anni	5.95	42.74	43.17	43.50	44.46	0.047591	5.04	1.18	3.50	2.77
Reach 1	2708	Tr 100 anni	7.69	42.74	43.28	43.62	44.47	0.032804	4.84	1.59	3.72	2.36
Reach 1	2708	Tr 200 anni	9.53	42.74	43.41	43.74	44.48	0.023080	4.59	2.08	3.97	2.02
Reach 1	2708	Tr 500 anni	12.11	42.74	43.61	43.88	44.49	0.014314	4.17	2.90	4.35	1.63
Reach 1	2586	Tr 50 anni	5.95	43.21	43.52	43.52	43.65	0.006285	1.56	3.82	15.34	1.00
Reach 1	2586	Tr 100 anni	7.69	43.21	43.57	43.57	43.72	0.006031	1.70	4.53	15.53	1.00
Reach 1	2586	Tr 200 anni	9.53	43.21	43.60	43.62	43.79	0.006871	1.91	4.99	15.74	1.08
Reach 1	2586	Tr 500 anni	12.11	43.21	43.73	43.63	43.73	0.000108	0.29	54.79	116.90	0.14
Reach 1	2466	Tr 50 anni	5.95	41.69	42.52	42.75	43.24	0.015965	3.76	1.58	2.84	1.61
Reach 1	2466	Tr 100 anni	7.69	41.69	42.71	42.89	43.37	0.011662	3.60	2.14	3.15	1.39
Reach 1	2466	Tr 200 anni	9.53	41.69	42.94	43.04	43.49	0.007734	3.27	2.91	3.53	1.15
Reach 1	2466	Tr 500 anni	12.11	41.69	43.23	43.23	43.68	0.005553	2.97	4.08	4.54	1.00
Reach 1	2332	Tr 50 anni	5.95	41.21	42.44	42.46	42.76	0.006492	2.54	2.34	3.83	1.04
Reach 1	2332	Tr 100 anni	7.69	41.21	42.58	42.60	42.91	0.007814	2.51	3.06	6.25	1.15
Reach 1	2332	Tr 200 anni	9.53	41.21	42.58	42.60	43.08	0.012097	3.12	3.05	6.23	1.43
Reach 1	2332	Tr 500 anni	12.11	41.21	42.60	42.60	42.65	0.002372	1.38	13.94	42.35	0.63
Reach 1	2201	Tr 50 anni	5.95	40.76	41.31	41.59	42.24	0.026953	4.27	1.39	3.36	2.11
Reach 1	2201	Tr 100 anni	7.69	40.76	41.43	41.72	42.36	0.021999	4.27	1.80	3.67	1.95
Reach 1	2201	Tr 200 anni	9.53	40.76	41.54	41.89	42.46	0.018091	4.23	2.25	3.99	1.80
Reach 1	2201	Tr 500 anni	12.11	40.76	41.83	41.89	42.43	0.009428	3.44	3.52	5.21	1.33
Reach 1	2103	Tr 50 anni	5.95	40.51	40.80	40.89	41.13	0.036469	2.53	2.35	17.11	2.18
Reach 1	2103	Tr 100 anni	7.69	40.51	40.81	40.89	41.29	0.048292	3.04	2.53	17.17	2.54
Reach 1	2103	Tr 200 anni	9.53	40.51	40.82	40.89	41.47	0.061990	3.57	2.67	17.23	2.90
Reach 1	2103	Tr 500 anni	12.11	40.51	40.83	40.89	41.77	0.083715	4.29	2.82	17.29	3.40

HEC-RAS Plan: Plan 05 River: este Reach: Reach 1 (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
Reach 1	1980	Tr 50 anni	5.95	39.73	40.62	40.17	40.62	0.000039	0.20	36.93	79.50	0.09
Reach 1	1980	Tr 100 anni	7.69	39.73	40.62	40.21	40.62	0.000066	0.25	36.94	79.50	0.12
Reach 1	1980	Tr 200 anni	9.53	39.73	40.62	40.25	40.62	0.000101	0.32	36.96	79.50	0.14
Reach 1	1980	Tr 500 anni	12.11	39.73	40.62	40.25	40.63	0.000163	0.40	36.98	79.50	0.18
Reach 1	1856	Tr 50 anni	5.95	40.04	40.62	40.62	40.62	0.000015	0.10	60.62	95.56	0.05
Reach 1	1856	Tr 100 anni	7.69	40.04	40.62	40.62	40.62	0.000026	0.13	60.62	95.56	0.07
Reach 1	1856	Tr 200 anni	9.53	40.04	40.62	40.62	40.62	0.000040	0.16	60.62	95.56	0.08
Reach 1	1856	Tr 500 anni	12.11	40.04	40.62	40.62	40.62	0.000064	0.20	60.61	95.56	0.11
Reach 1	1761	Tr 50 anni	5.95	39.46	40.20	40.14	40.20	0.000248	0.41	22.30	64.81	0.21
Reach 1	1761	Tr 100 anni	7.69	39.46	40.14	40.14	40.15	0.000752	0.66	18.59	64.67	0.36
Reach 1	1761	Tr 200 anni	9.53	39.46	40.14	40.14	40.15	0.001155	0.81	18.59	64.67	0.44
Reach 1	1761	Tr 500 anni	12.11	39.46	40.14	40.14	40.16	0.001866	1.03	18.59	64.67	0.56
Reach 1	1637	Tr 50 anni	5.95	38.87	39.83	39.83	40.15	0.005649	2.47	2.41	3.85	1.00
Reach 1	1637	Tr 100 anni	7.69	38.87	40.06	40.06	40.06	0.000148	0.31	35.56	101.93	0.16
Reach 1	1637	Tr 200 anni	9.53	38.87	40.06	40.06	40.07	0.000227	0.39	35.56	101.93	0.20
Reach 1	1637	Tr 500 anni	12.11	38.87	40.06	40.06	40.07	0.000367	0.49	35.56	101.93	0.25
Reach 1	1559	Tr 50 anni	5.95	38.43	39.74	39.74	39.74	0.000008	0.07	79.34	117.73	0.04
Reach 1	1559	Tr 100 anni	7.69	38.43	39.74	39.74	39.74	0.000014	0.09	79.34	117.73	0.05
Reach 1	1559	Tr 200 anni	9.53	38.43	39.74	39.74	39.74	0.000021	0.12	79.34	117.73	0.06
Reach 1	1559	Tr 500 anni	12.11	38.43	39.74	39.74	39.74	0.000034	0.15	79.34	117.73	0.07
Reach 1	1400	Tr 50 anni	5.95	37.80	38.25	38.54	39.60	0.073634	5.15	1.16	4.85	3.37
Reach 1	1400	Tr 100 anni	7.69	37.80	38.32	38.57	39.61	0.057932	5.02	1.53	5.57	3.06
Reach 1	1400	Tr 200 anni	9.53	37.80	38.39	38.61	39.61	0.060748	4.90	1.95	7.65	3.10
Reach 1	1400	Tr 500 anni	12.11	37.80	38.44	38.61	39.62	0.100009	4.80	2.52	14.97	3.73
Reach 1	1256	Tr 50 anni	5.95	37.58	38.05	38.13	38.37	0.009792	2.50	2.38	6.45	1.31
Reach 1	1256	Tr 100 anni	7.69	37.58	38.12	38.19	38.49	0.009478	2.67	2.88	6.92	1.32
Reach 1	1256	Tr 200 anni	9.53	37.58	38.23	38.23	38.30	0.002401	1.49	13.61	102.43	0.68
Reach 1	1256	Tr 500 anni	12.11	37.58	38.19	38.26	38.44	0.008346	2.61	7.62	52.24	1.25
Reach 1	1168	Tr 50 anni	5.95	37.34	38.06	38.06	38.09	0.002023	0.92	10.05	62.76	0.57
Reach 1	1168	Tr 100 anni	7.69	37.34	38.06	38.06	38.11	0.003381	1.18	10.05	62.75	0.73
Reach 1	1168	Tr 200 anni	9.53	37.34	38.06	38.06	38.13	0.005195	1.47	10.04	62.74	0.91
Reach 1	1168	Tr 500 anni	12.11	37.34	38.07	38.09	38.18	0.007652	1.81	10.39	64.69	1.11
Reach 1	1035	Tr 50 anni	5.95	37.28	37.64	37.70	37.86	0.026565	2.40	4.11	62.69	1.91
Reach 1	1035	Tr 100 anni	7.69	37.28	37.67	37.72	37.82	0.017356	2.16	6.12	68.52	1.58
Reach 1	1035	Tr 200 anni	9.53	37.28	37.70	37.73	37.82	0.011772	1.96	8.42	71.30	1.34
Reach 1	1035	Tr 500 anni	12.11	37.28	37.70	37.73	37.89	0.019103	2.50	8.40	71.30	1.70
Reach 1	939	Tr 50 anni	5.95	37.03	37.40	37.40	37.44	0.009469	1.33	7.76	77.18	1.12
Reach 1	939	Tr 100 anni	7.69	37.03	37.42	37.41	37.46	0.009332	1.38	9.35	80.88	1.12
Reach 1	939	Tr 200 anni	9.53	37.03	37.42	37.42	37.49	0.014973	1.74	9.13	80.39	1.42
Reach 1	939	Tr 500 anni	12.11	37.03	37.44	37.44	37.52	0.015588	1.85	10.65	83.56	1.46
Reach 1	861	Tr 50 anni	5.95	36.84	37.16	37.18	43.13	0.489392	10.82	0.55	3.12	8.23
Reach 1	861	Tr 100 anni	7.69	36.84	37.22	37.20	37.26	0.007695	1.46	9.19	69.62	1.05
Reach 1	861	Tr 200 anni	9.53	36.84	37.24	37.22	37.28	0.008132	1.55	10.52	73.78	1.09
Reach 1	861	Tr 500 anni	12.11	36.84	37.27	37.25	37.32	0.007177	1.53	13.07	81.91	1.04
Reach 1	760	Tr 50 anni	5.95	36.59	36.83	36.89	37.04	0.060466	3.17	3.78	64.99	2.79
Reach 1	760	Tr 100 anni	7.69	36.59	36.90	36.90	36.95	0.009971	1.60	9.18	82.61	1.19
Reach 1	760	Tr 200 anni	9.53	36.59	36.92	36.92	36.97	0.009599	1.64	10.67	84.53	1.19
Reach 1	760	Tr 500 anni	12.11	36.59	36.93	36.93	36.99	0.011543	1.79	11.78	85.69	1.30
Reach 1	661	Tr 50 anni	5.95	36.39	36.74	36.54	36.74	0.000387	0.34	20.77	84.58	0.24
Reach 1	661	Tr 100 anni	7.69	36.39	36.79	36.56	36.79	0.000369	0.38	24.94	88.31	0.24
Reach 1	661	Tr 200 anni	9.53	36.39	36.83	36.58	36.83	0.000376	0.42	28.56	90.76	0.25
Reach 1	661	Tr 500 anni	12.11	36.39	36.88	36.60	36.88	0.000386	0.48	33.17	96.24	0.26
Reach 1	241	Tr 50 anni	5.95	36.05	36.63		36.65	0.001348	0.80	11.74	59.09	0.47
Reach 1	241	Tr 100 anni	7.69	36.05	36.68		36.70	0.001326	0.82	15.01	64.03	0.47
Reach 1	241	Tr 200 anni	9.53	36.05	36.73		36.74	0.001211	0.85	17.69	64.42	0.46
Reach 1	241	Tr 500 anni	12.11	36.05	36.77		36.80	0.001168	0.91	20.80	64.87	0.46
Reach 1	82	Tr 50 anni	5.95	35.97	36.46	36.46	36.50	0.004800	1.27	7.22	44.48	0.85
Reach 1	82	Tr 100 anni	7.69	35.97	36.46	36.46	36.53	0.008019	1.65	7.22	44.48	1.10
Reach 1	82	Tr 200 anni	9.53	35.97	36.47	36.47	36.57	0.011147	1.98	7.64	48.90	1.30
Reach 1	82	Tr 500 anni	12.11	35.97	36.49	36.49	36.61	0.013558	2.26	8.74	56.60	1.45