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PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile



Regione Umbria
Giunta Regionale



PROGETTAZIONE: OPERA S.C.A.L. - Consorziata esecutrice ABACUS SRL

LAVORI: TROVATI SRL



ABACUS
INGEGNERIA E ARCHITETTURA
Via Campo di Marte, n. 8/a
06124 - Perugia (PG)
www.abacusprogetti.it - 075/5058180



Strada Pieviola, 211/C
06132 - Perugia
www.trovatisrl.it - 075 774262

PROGETTISTI

TIMBRI

Responsabile integrazione prestazioni specialistiche	ing. M. Serafini
Architettura ed urbanistica	arch./ing. C. Pimpinelli
Opere strutturali	ing. R. Pedicini - ing. Giampaolo Giacobbi
Idrologia e opere idrauliche	ing. S. Berretta
Progettazione geotecnica	ing. G. Fanelli
Paesaggio ed ambiente	ing. A. Milito
Responsabile sicurezza	ing. M. Serafini
Computi e capitolati	geom. S. Pifferi
Cantierizzazione e C.S.P.	ing. M. Serafini - ing. F. Tagliente
Building Information Modeling	ing. L. Serafini - arch. Rexhinald Petritaj



CARTELLA H0 - IDROLOGIA E IDRAULICA

RELAZIONE IDROLOGICA ED IDRAULICA - ALLEGATI

H0_RRH02

COMMESSA	LIV.	CART.	TIPO	ELAB.	N.	SAVE	NOME FILE	SCALA
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REV.	DATA	REDAZIONE	VERIFICA	APPROVAZIONE	VISTO COMMITT.	DESCRIZIONE		
0	Giugno 2024	S.Berretta	S.Berretta	M.Serafini		Consegna Progetto Esecutivo		
1								
2								
3								

MITIGAZIONE RISCHIO IDRAULICO BACINO FOSSO RIVO IN COMUNE DI TERNI, 1° STRALCIO

ANNESSO ALLA RELAZIONE IDROLOGICA ED IDRAULICA

PROGETTO ESECUTIVO

PROGETTAZIONE: OPERA SCARL - CONSORZIATA ESECUTRICE ABACUS SRL. LAVORI: TROVATI SRL

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1. PREMESSA

La presente relazione contiene i risultati delle modellazioni idrauliche condotte a corredo del Progetto Esecutivo relativo all'intervento denominato "Mitigazione rischio idraulico bacino Fosso Rivo in comune di Terni – 1° Stralcio".

Le simulazioni idrauliche sono state condotte con riferimento ai tempi di ritorno (TR) pari a 50-200 e 500 anni.

Gli scenari simulati sono stati:

- Ø **Scenario 0** a definizione dello stato di fatto senza alcuna ipotesi di opere;
- Ø **Scenario 1** a definizione dello stato di progetto includendo i soli interventi attinenti al presente stralcio progettuale dell'importo di euro 2.300.000,00.

2. SCENARIO 0

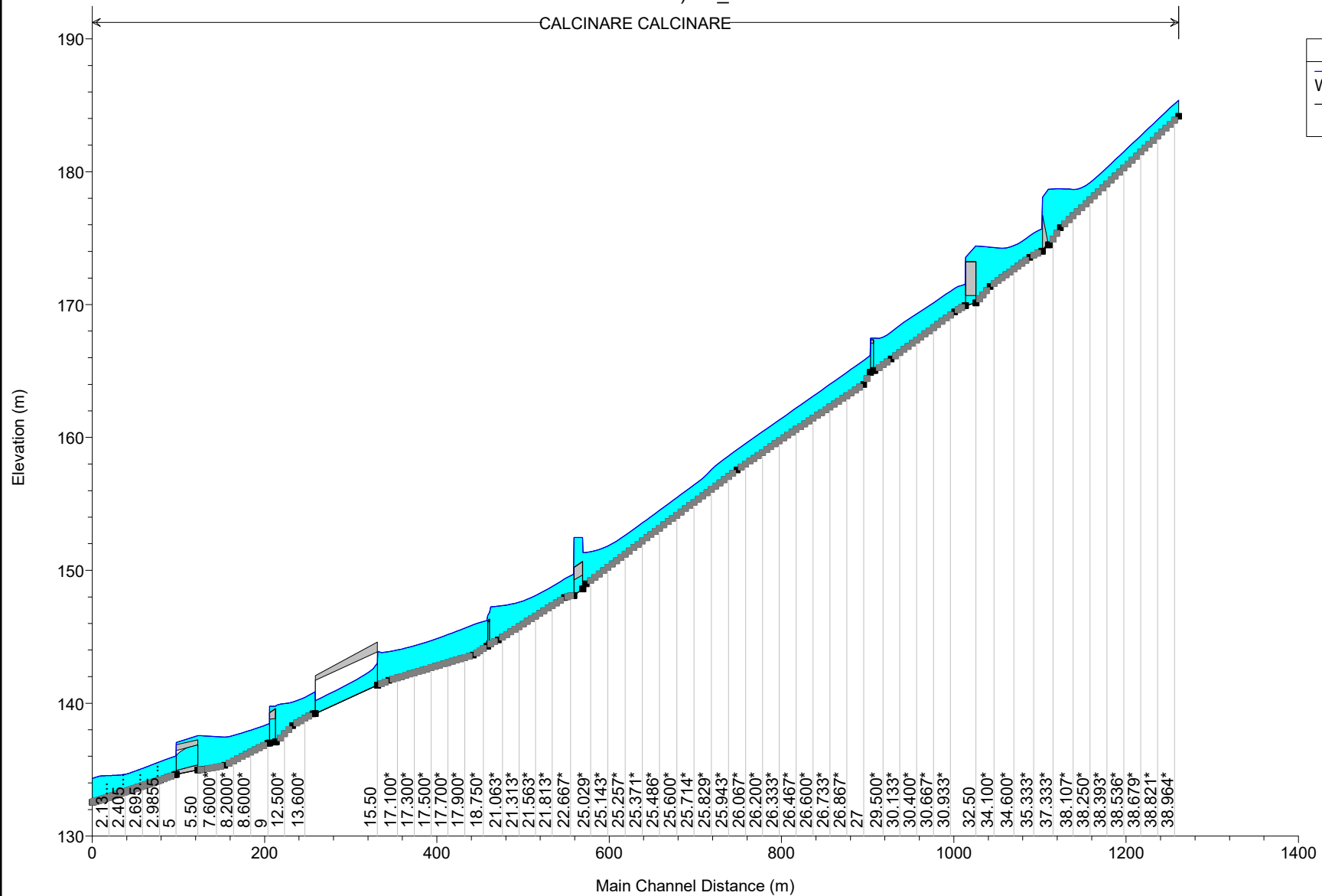
terni Plan: 1) S0_TR50* 24/05/2024

← CALCINARE CALCINARE →

Legend

WS Max WS

Ground



terni Plan: 1) S0_TR50* 24/05/2024

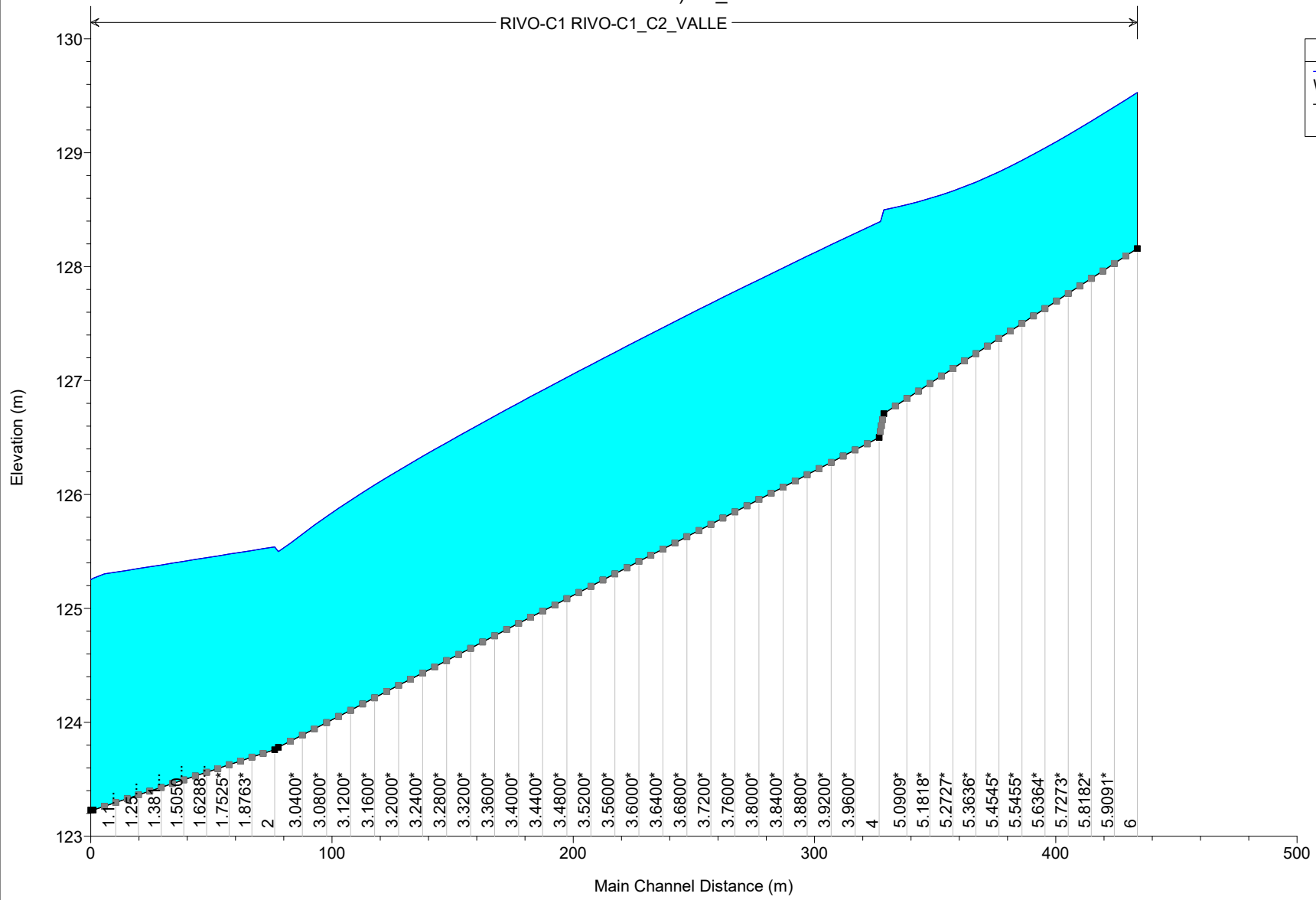
RIVO-C1 RIVO-C1_C2_VALLE

Legend

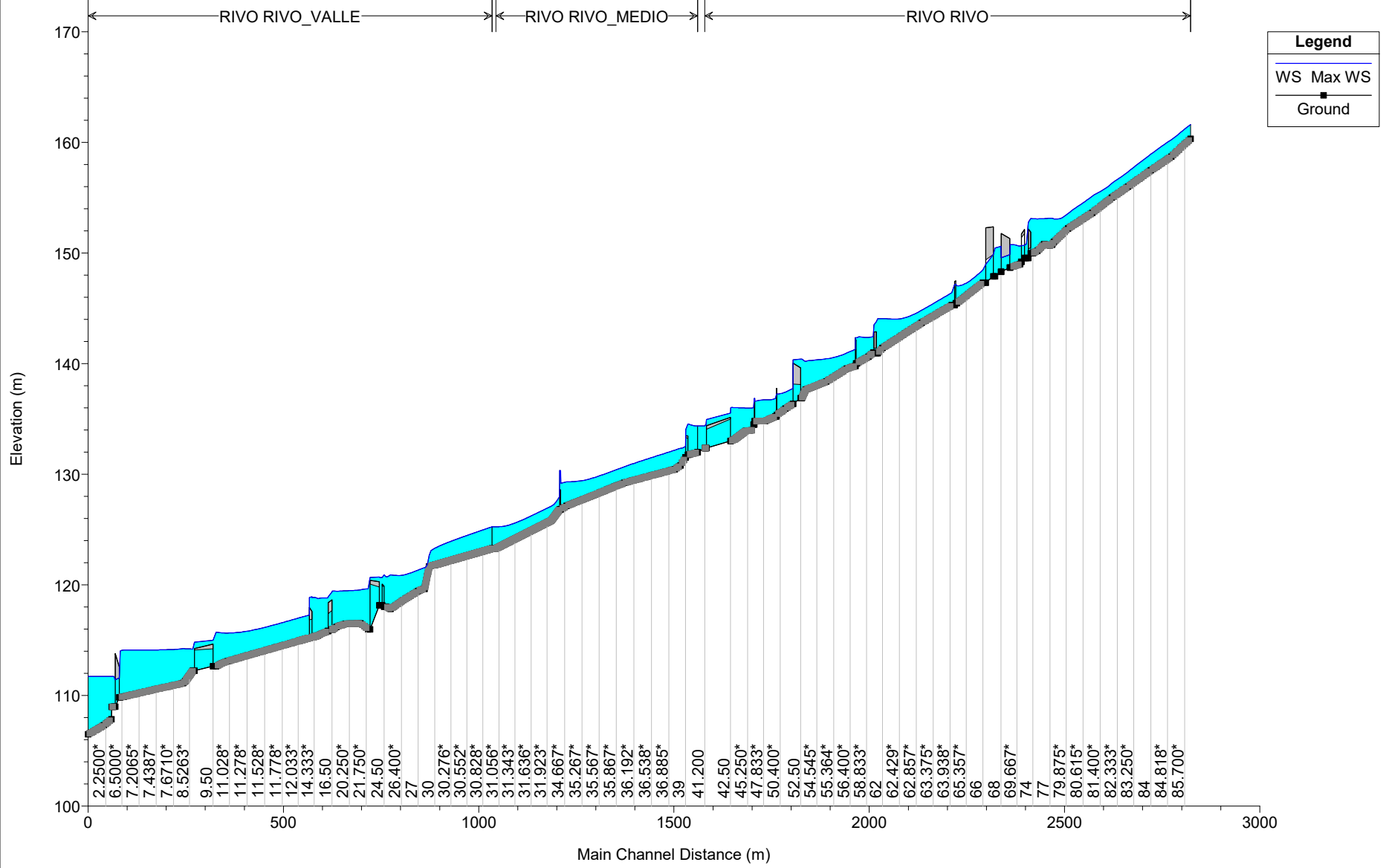
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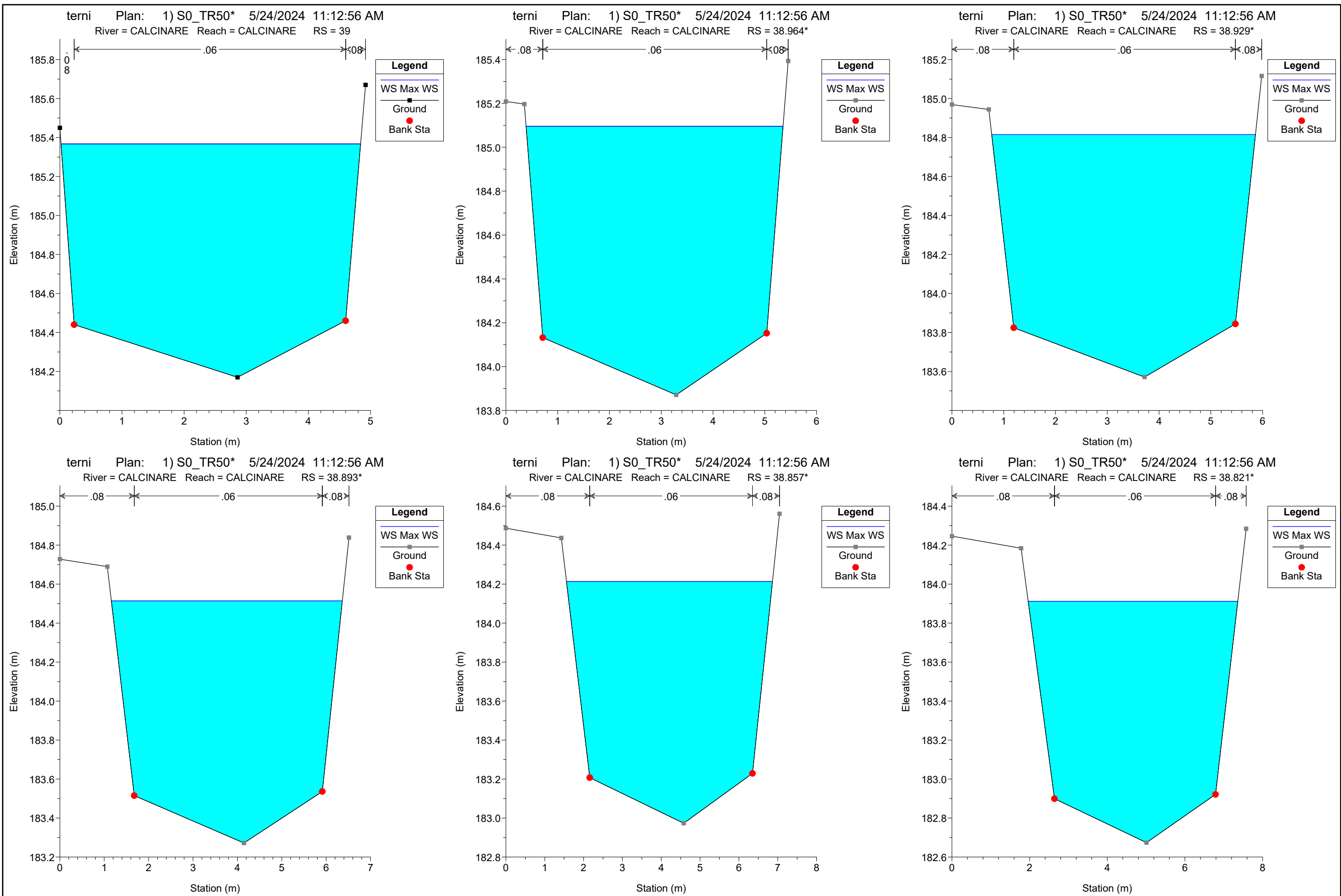
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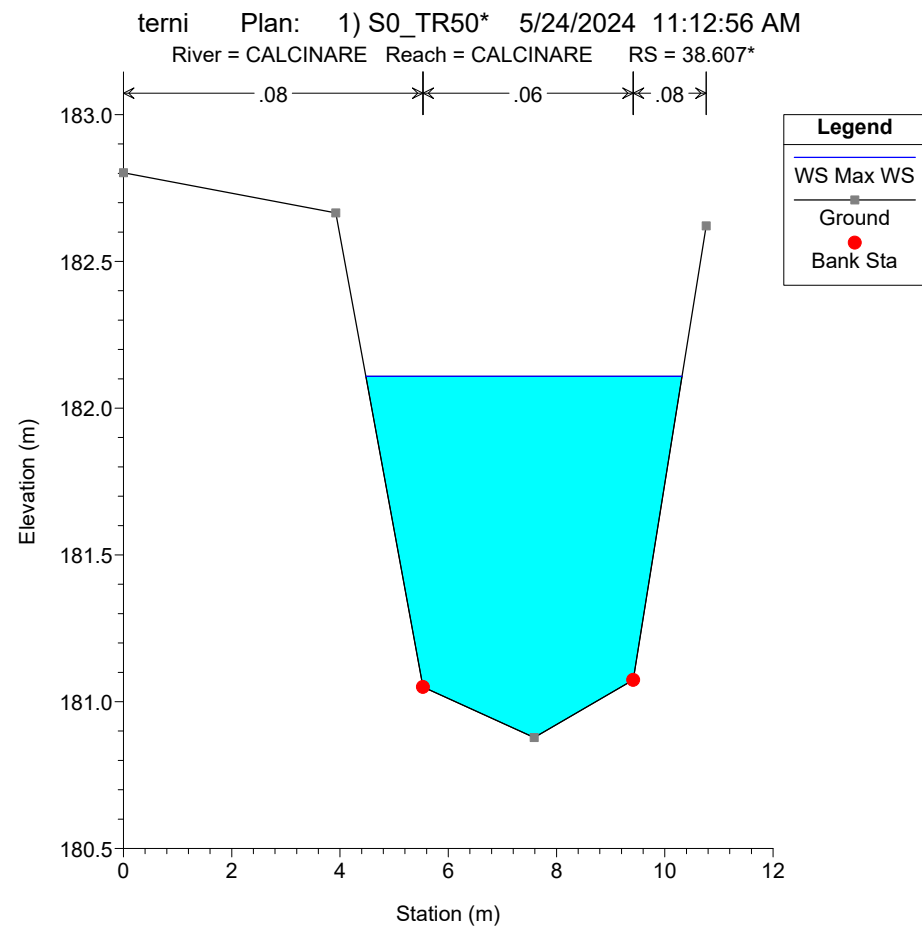
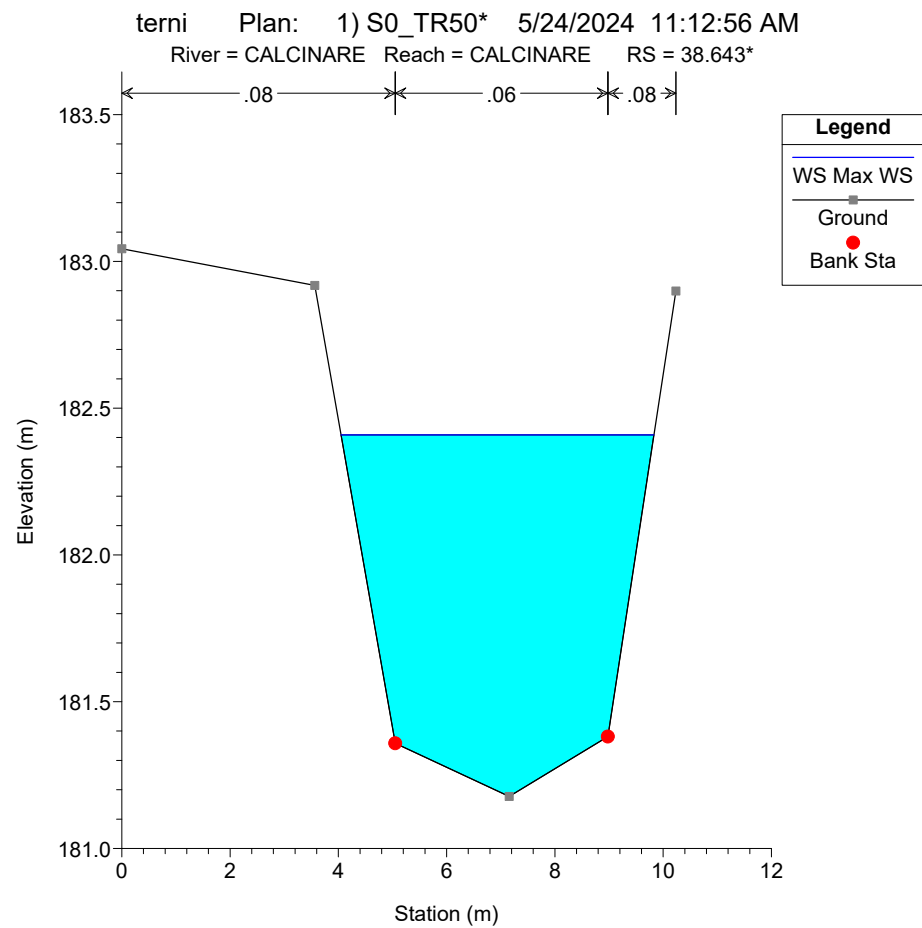
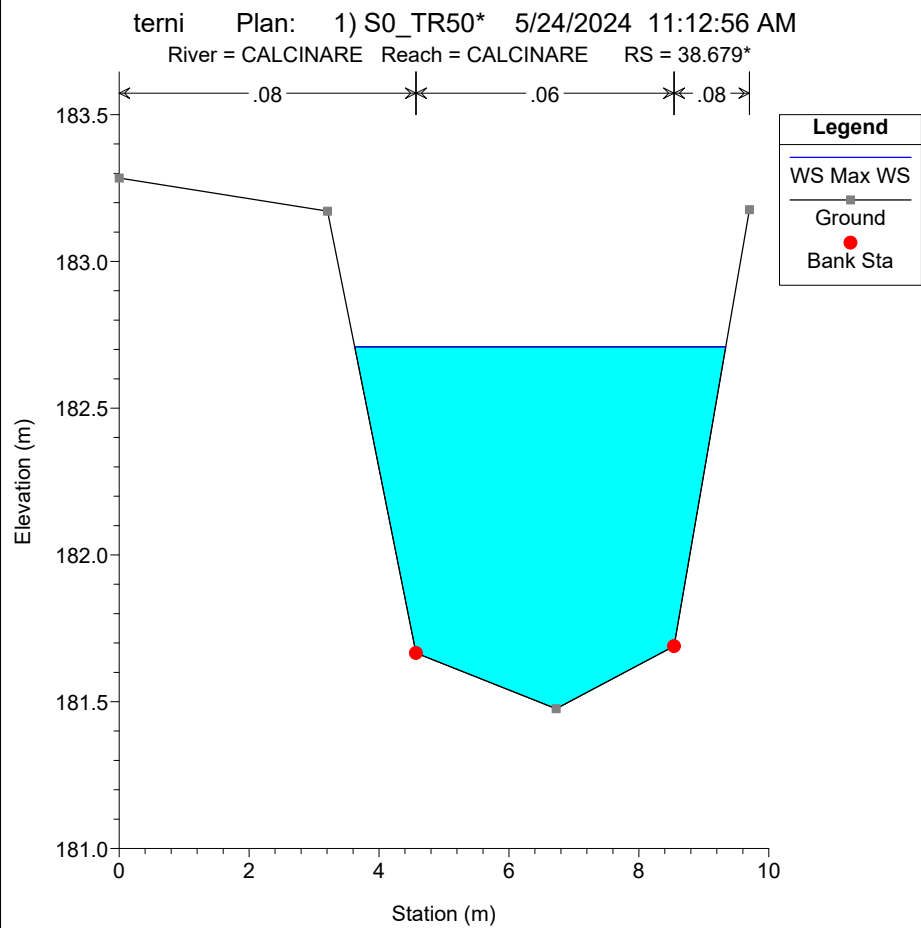
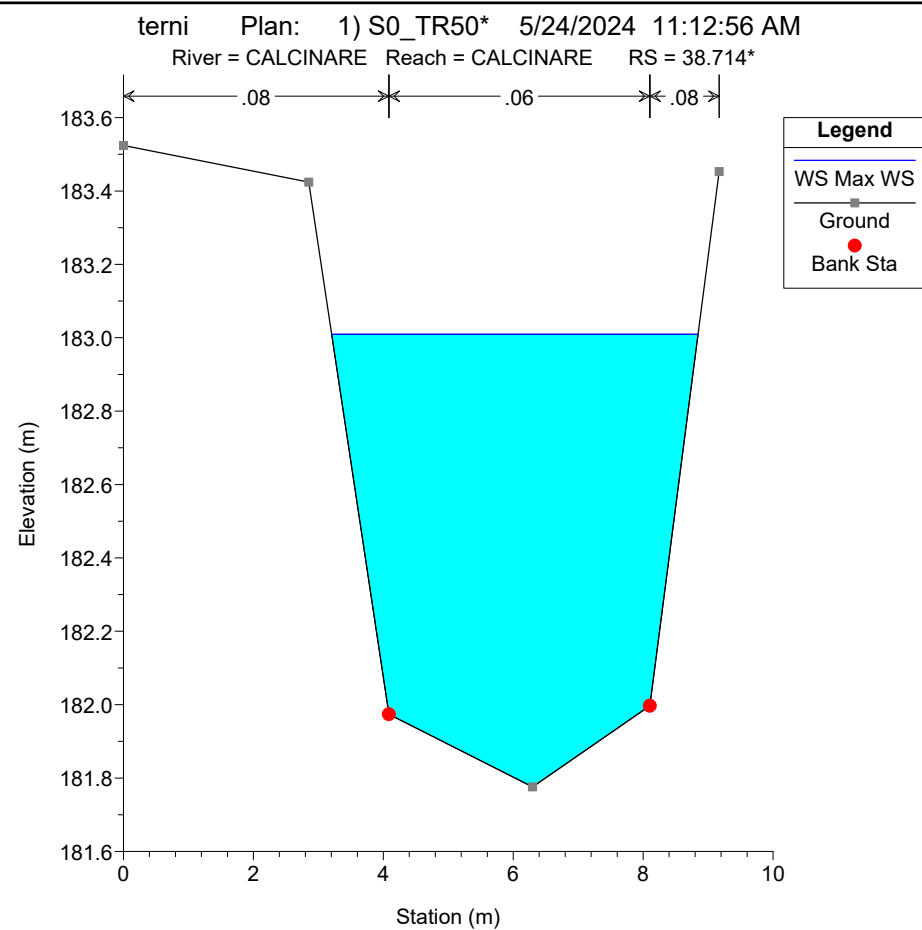
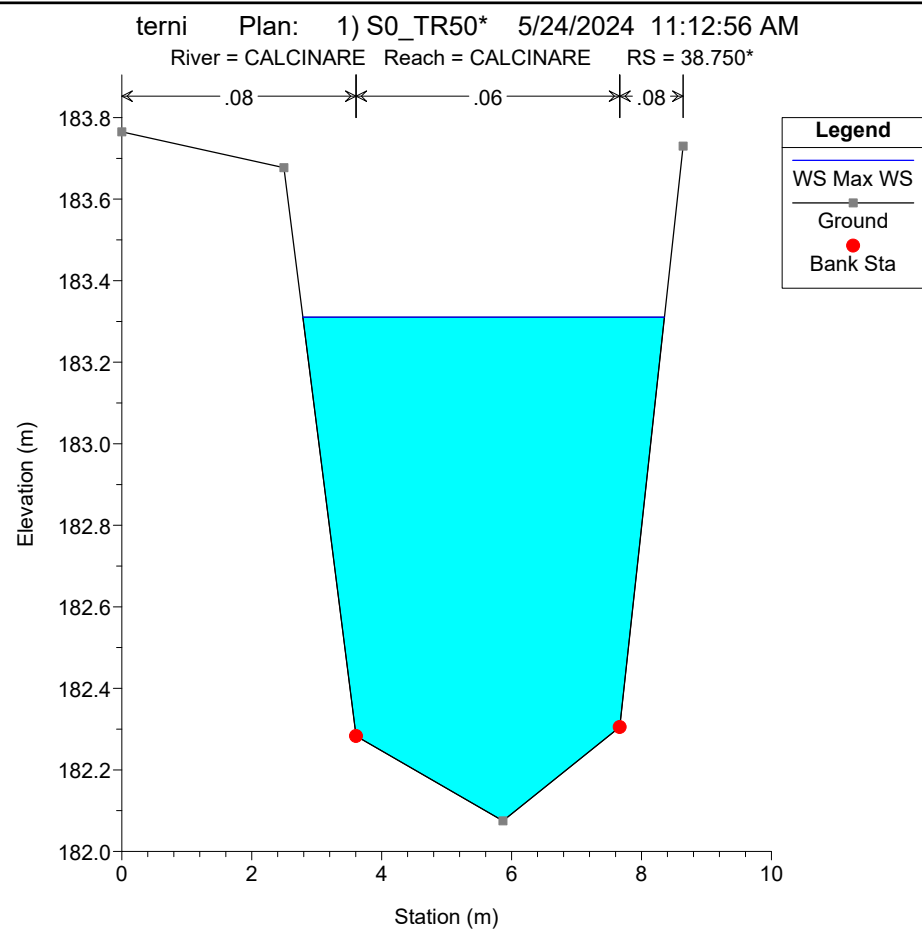
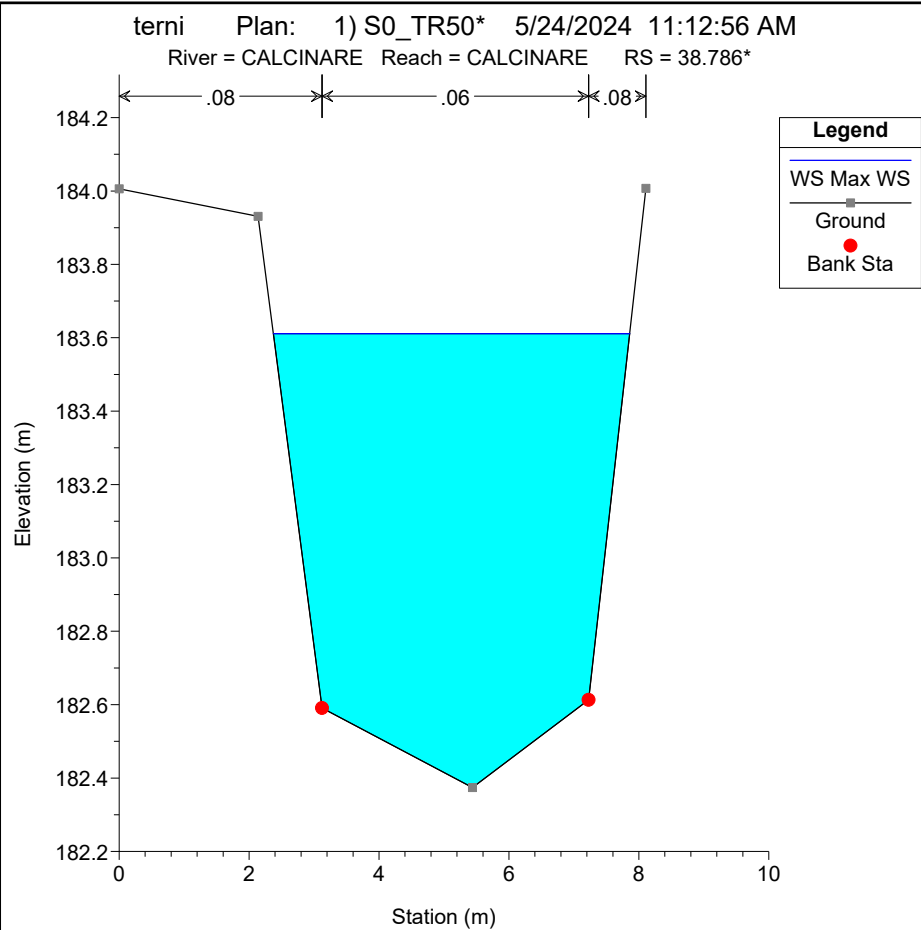
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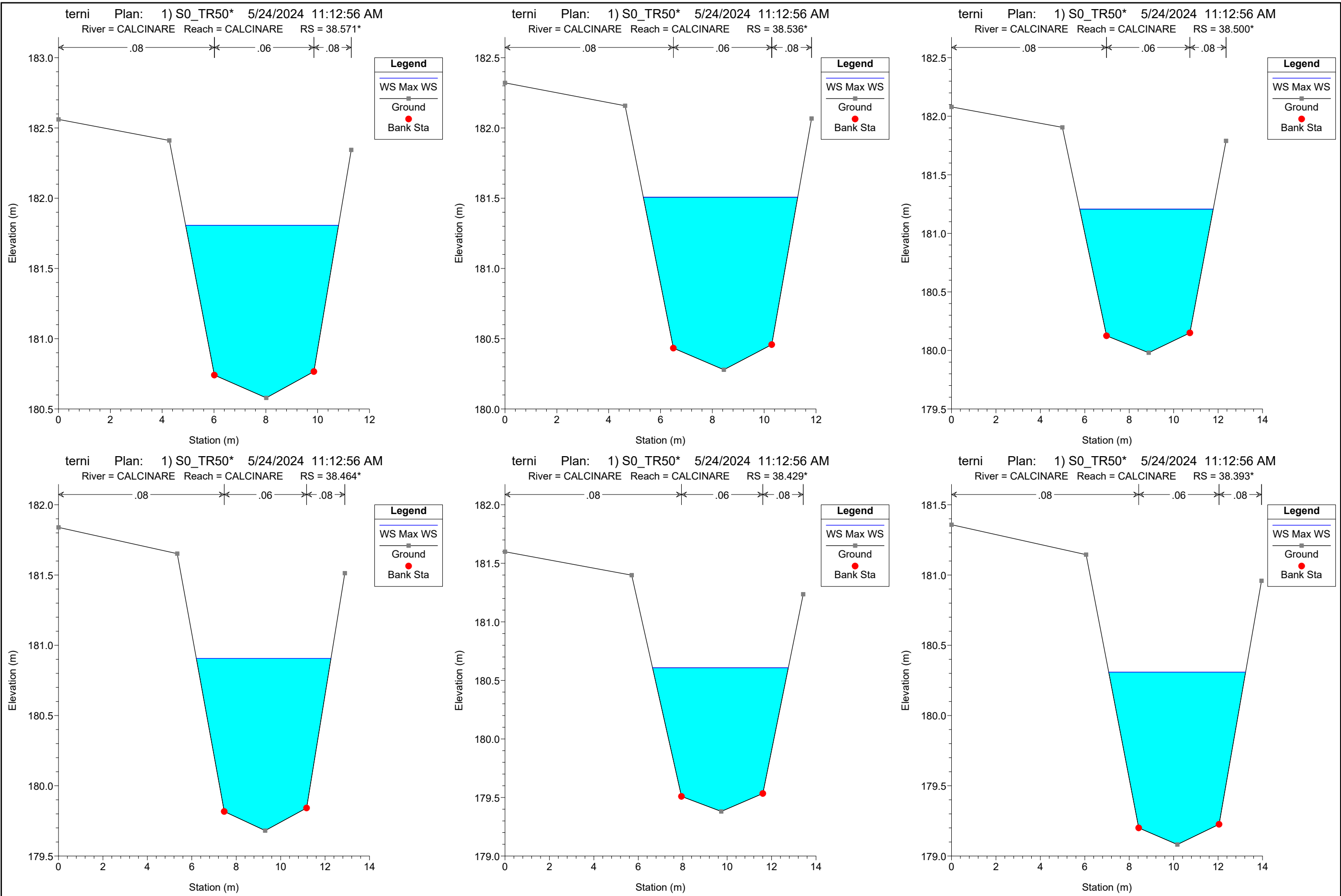


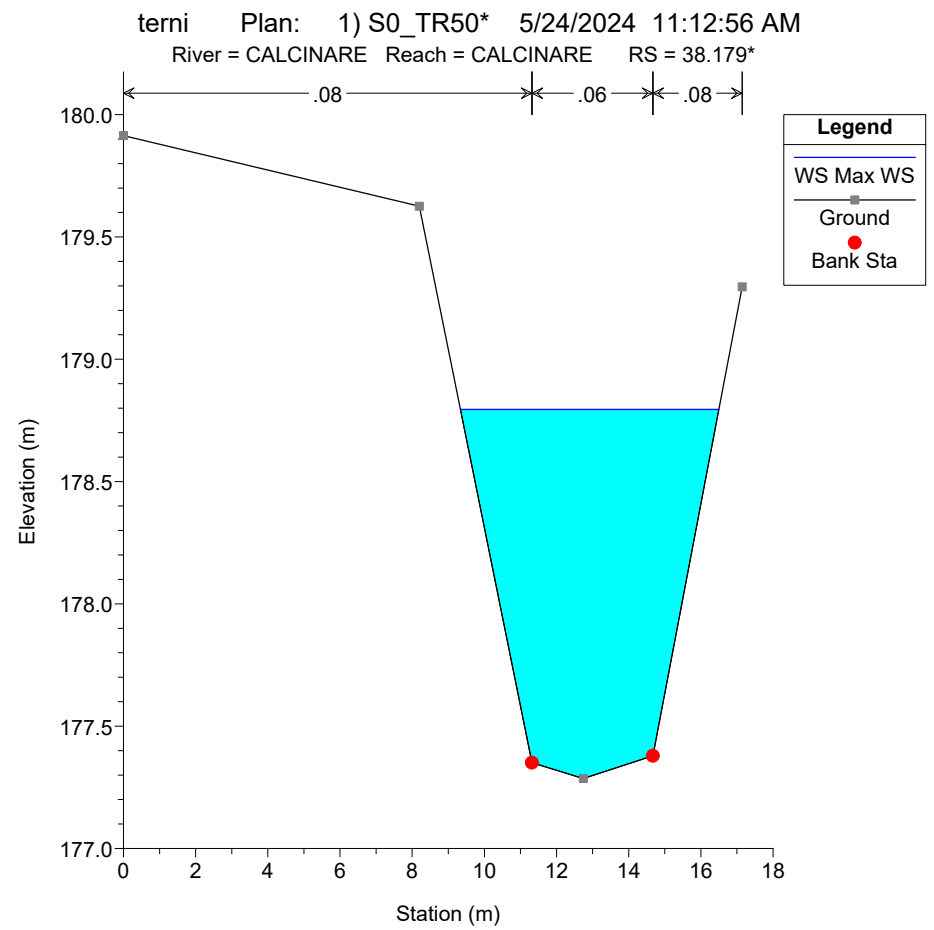
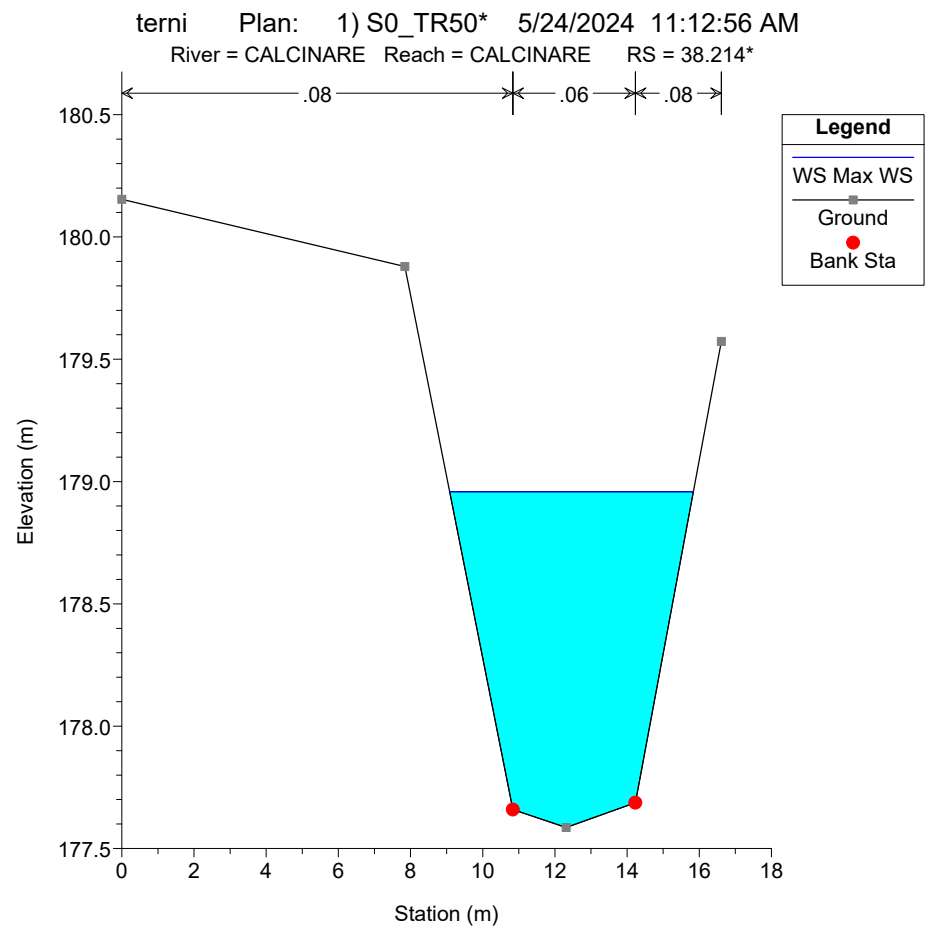
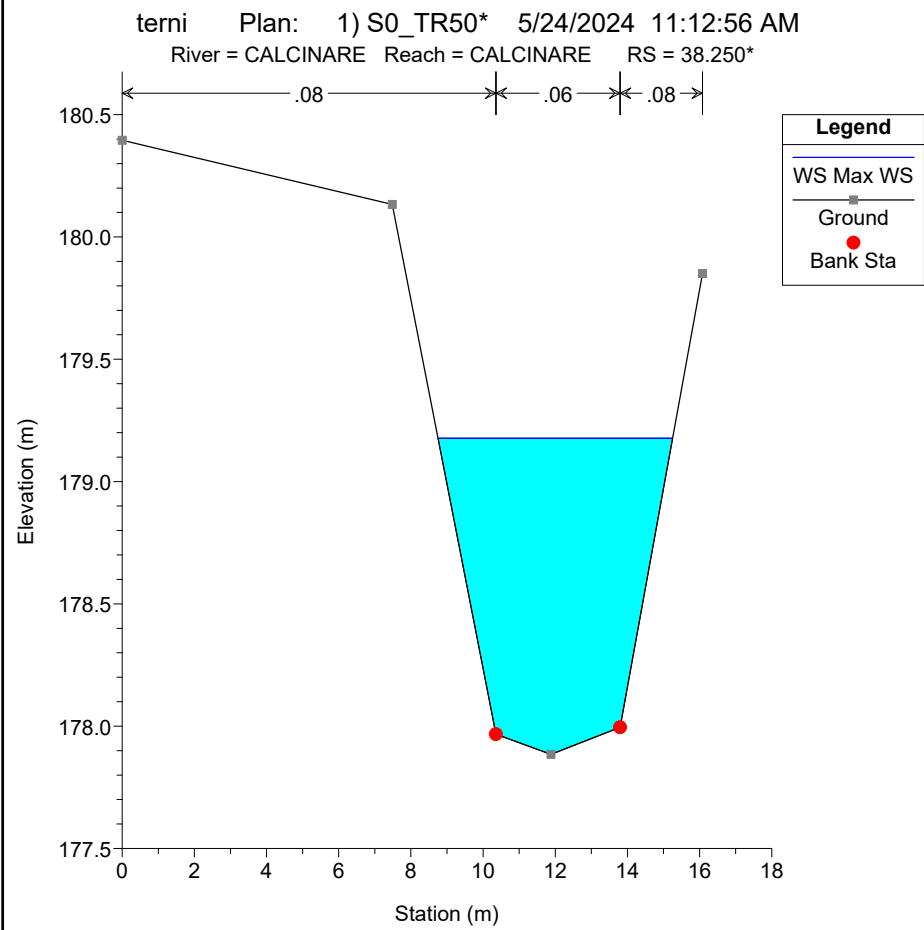
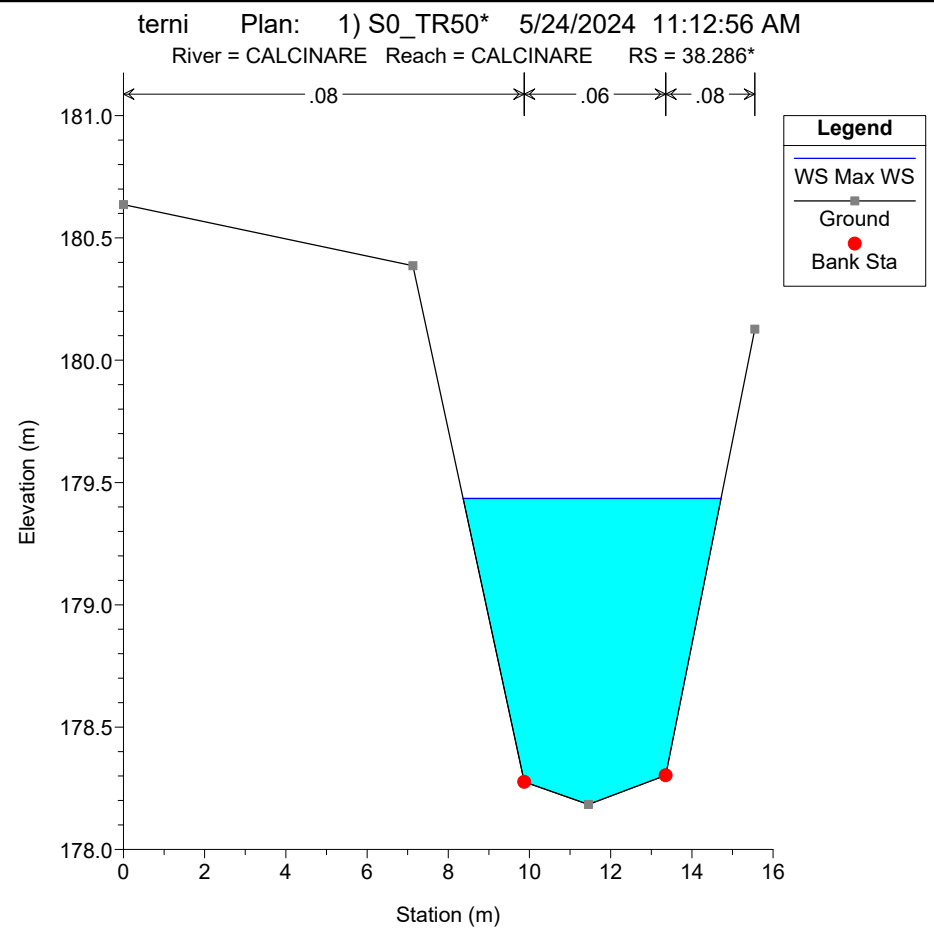
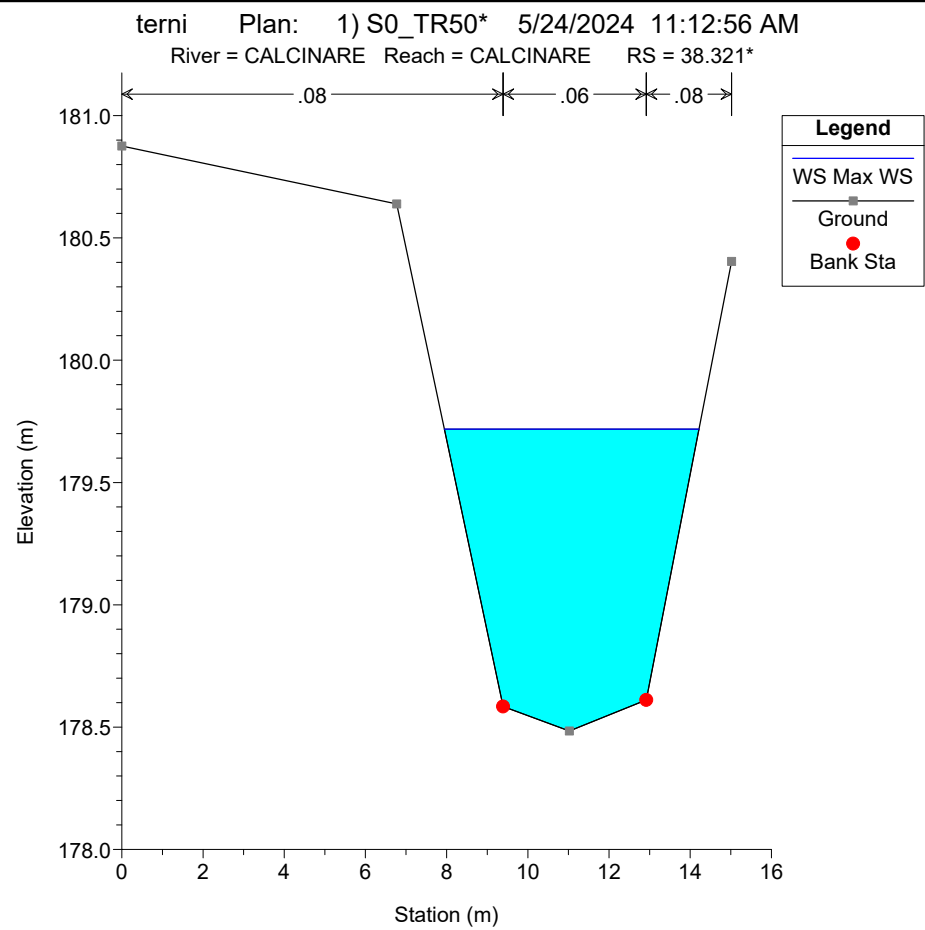
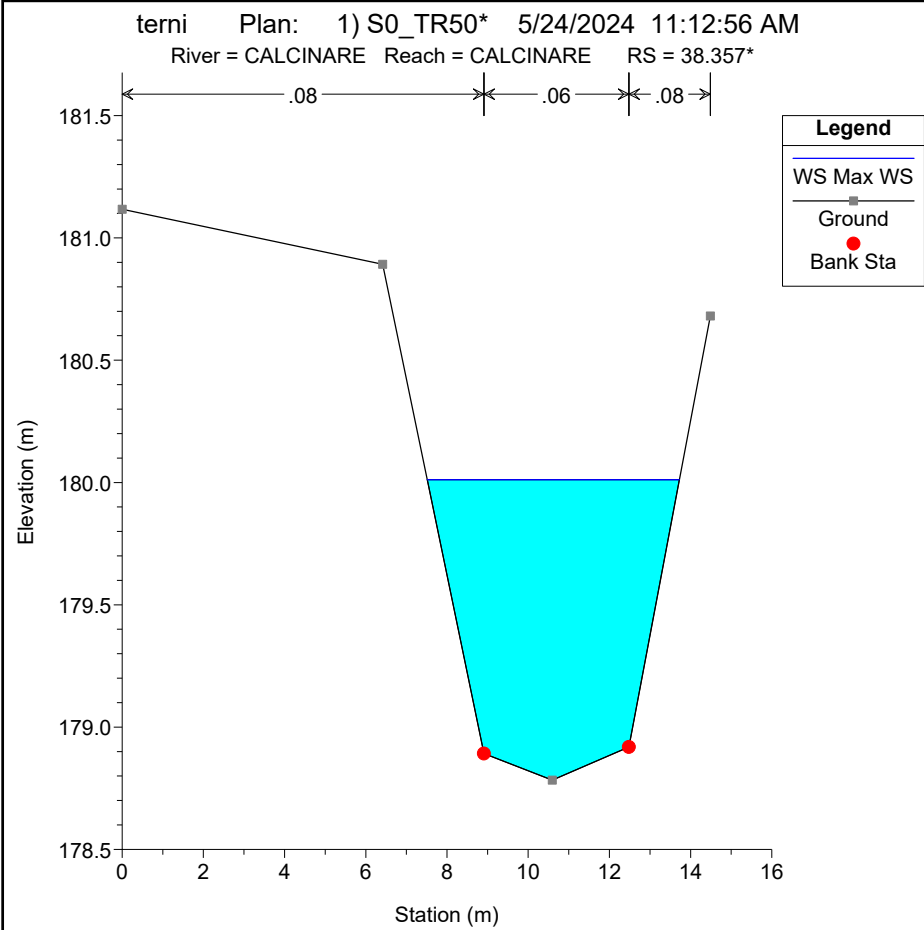
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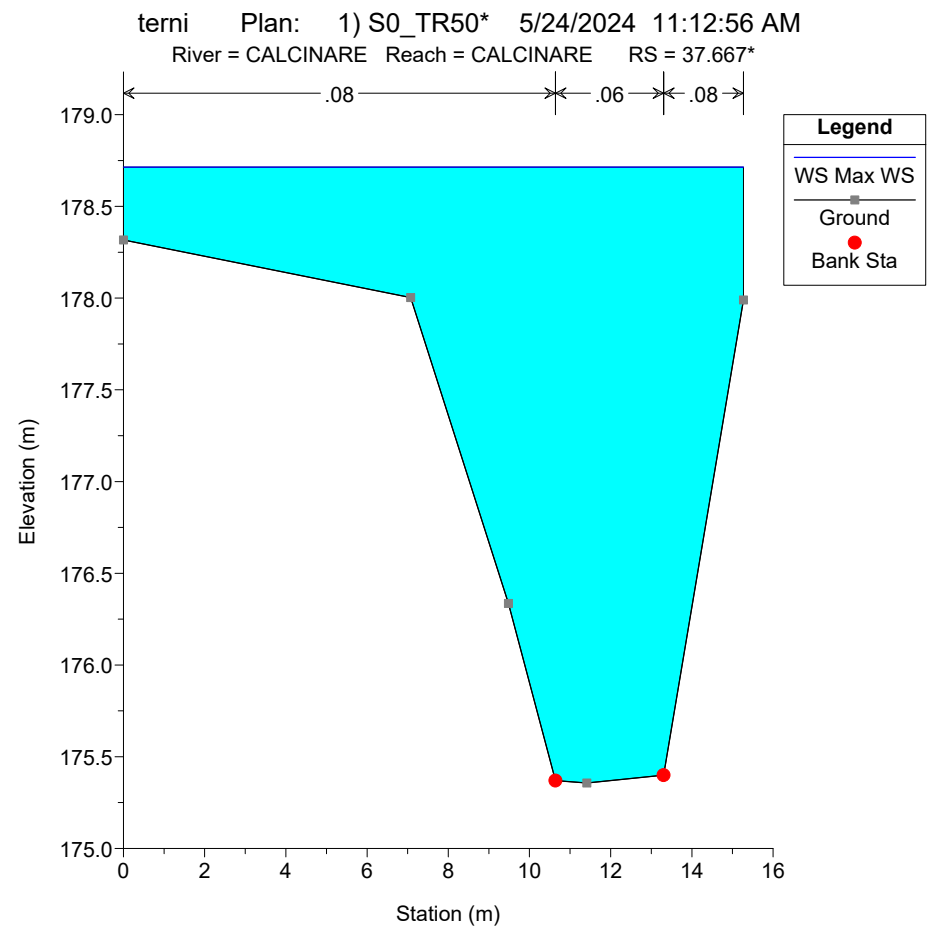
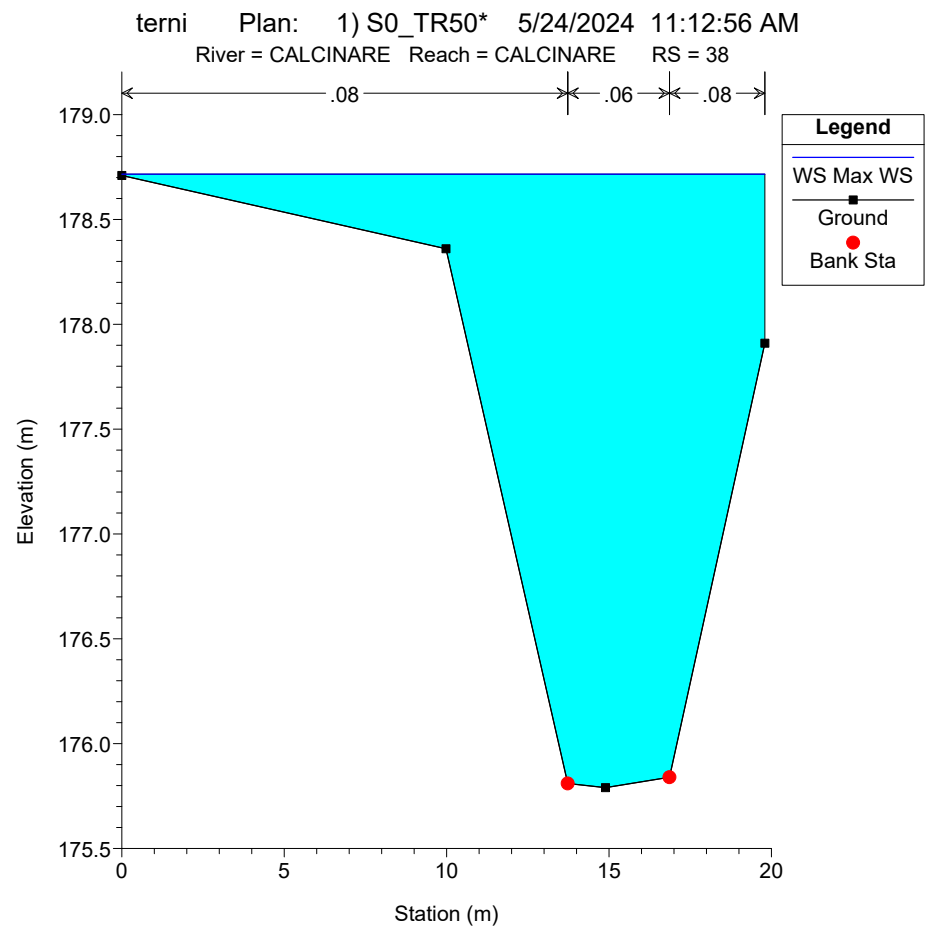
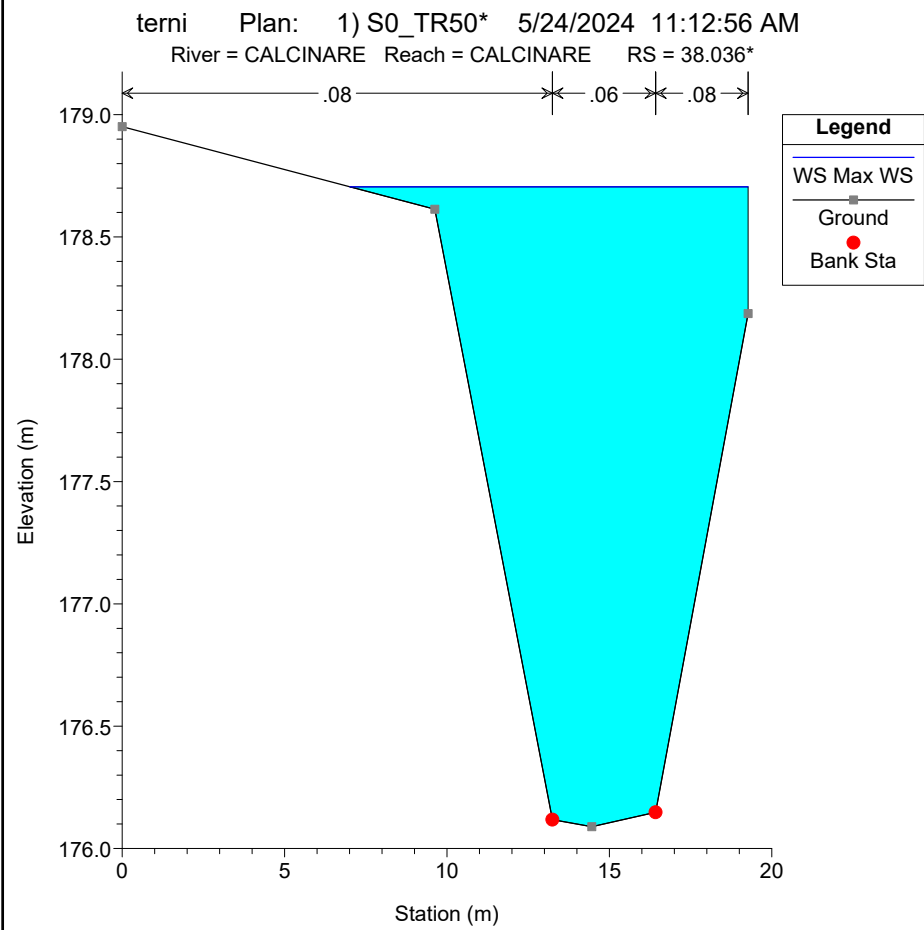
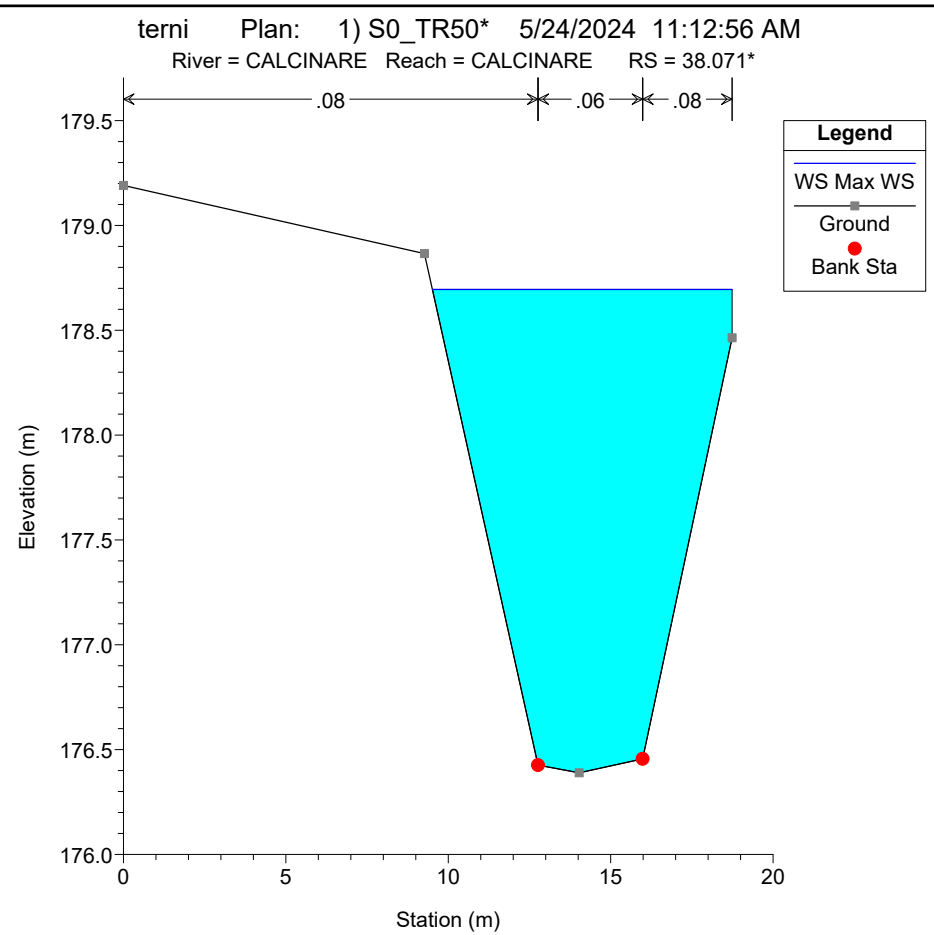
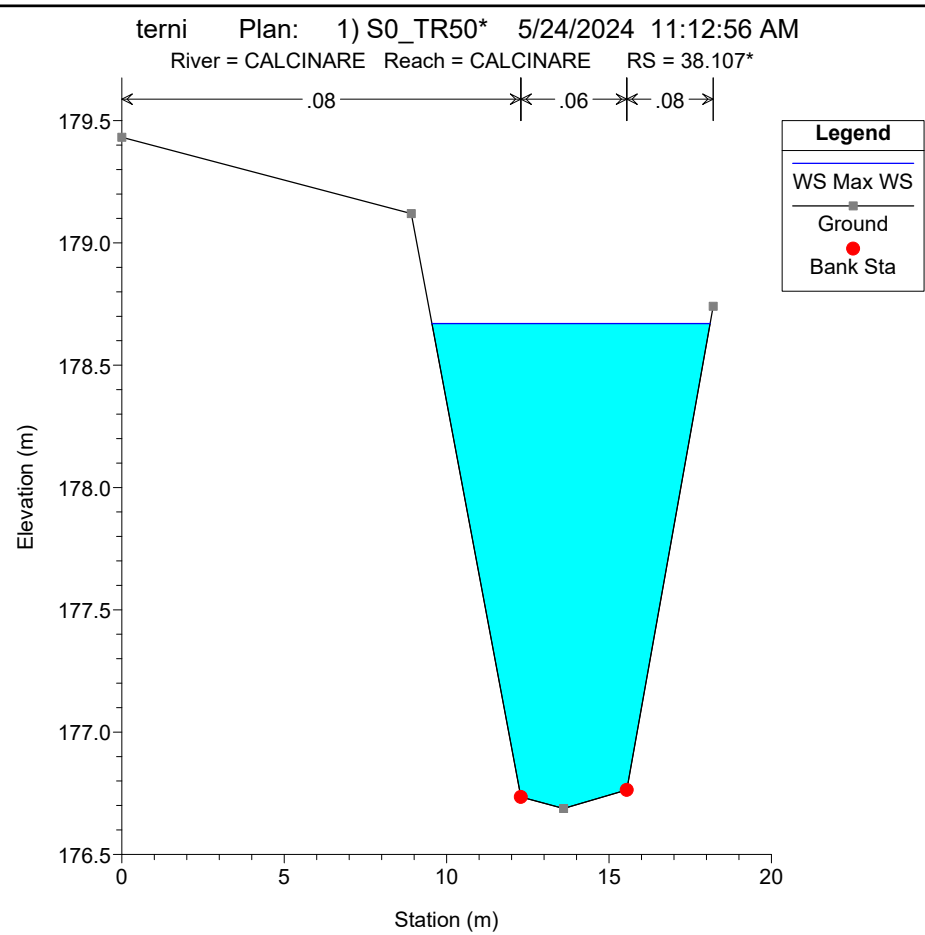
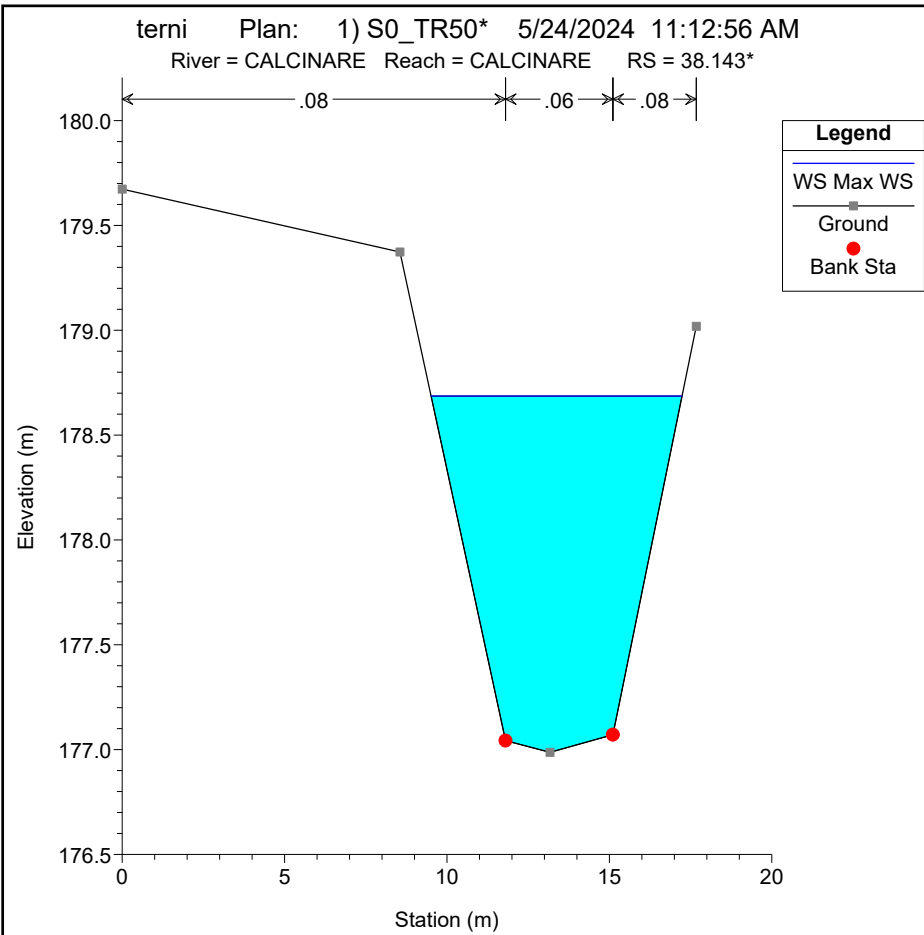


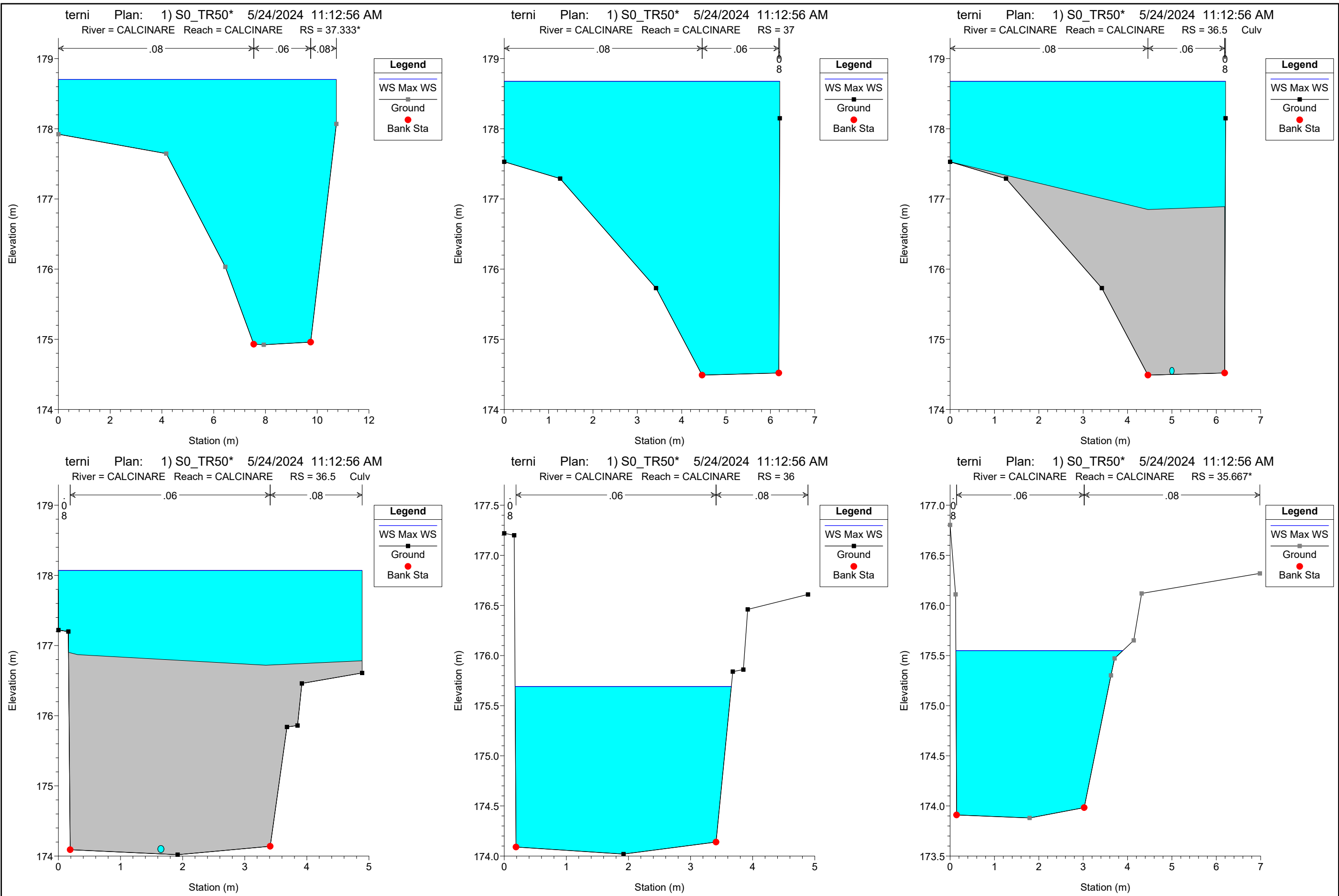


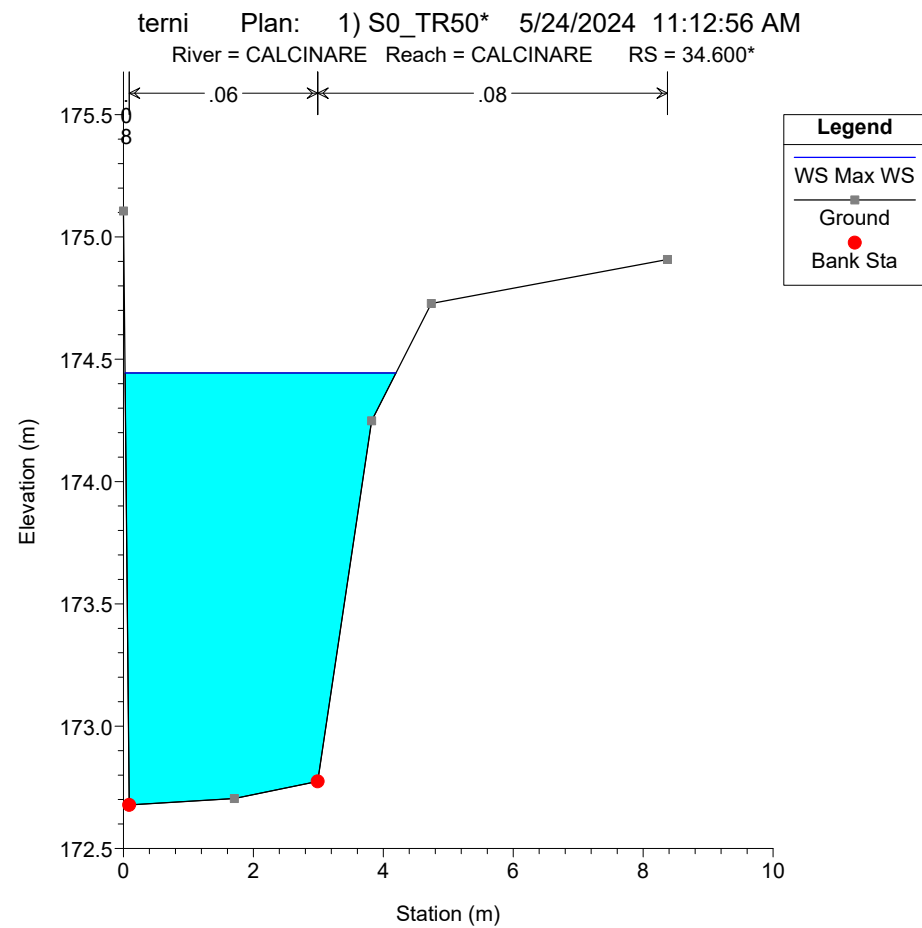
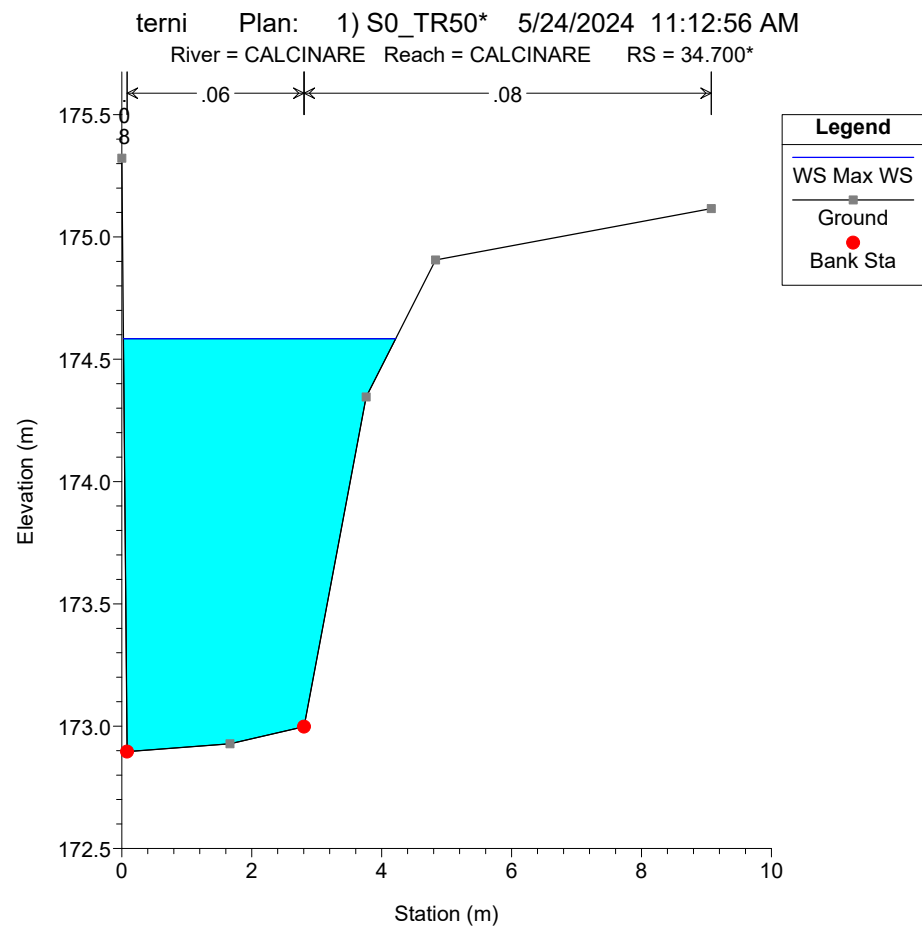
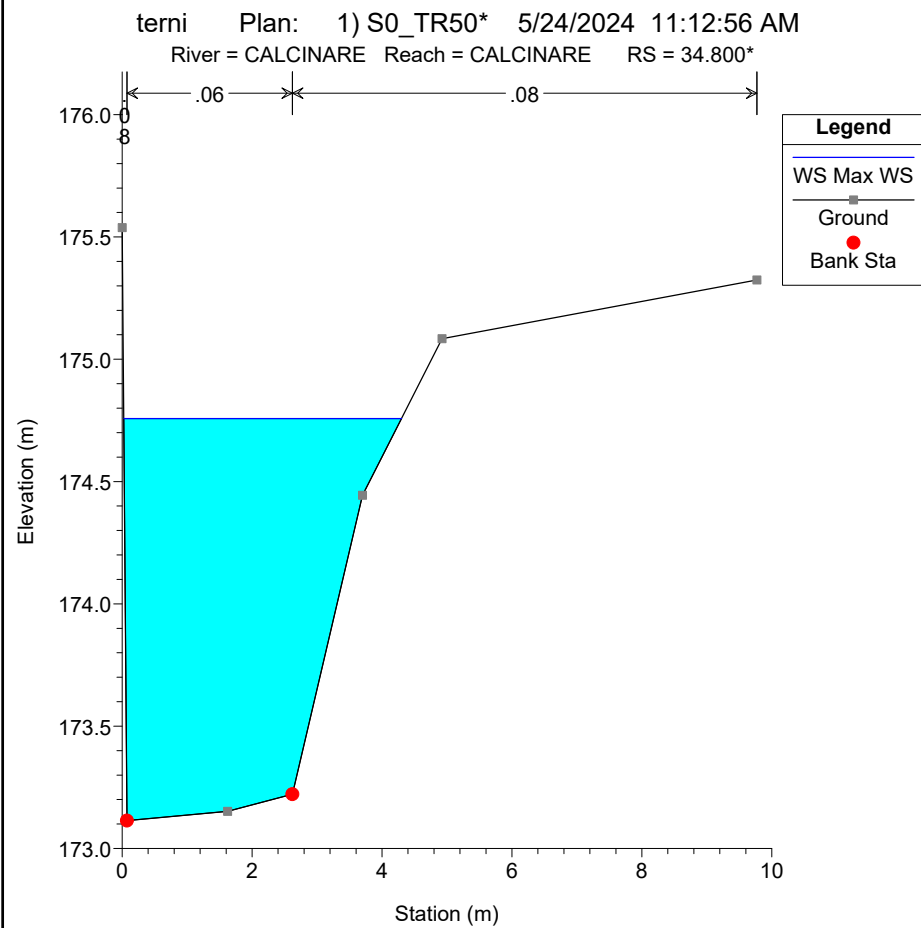
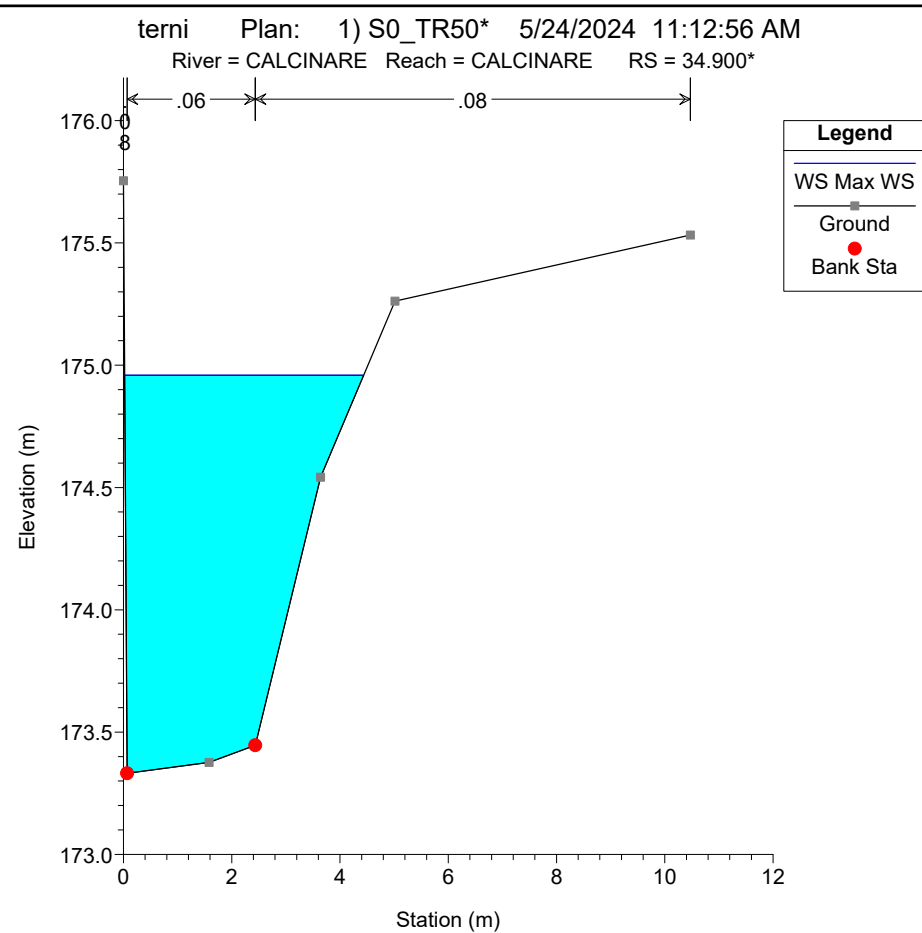
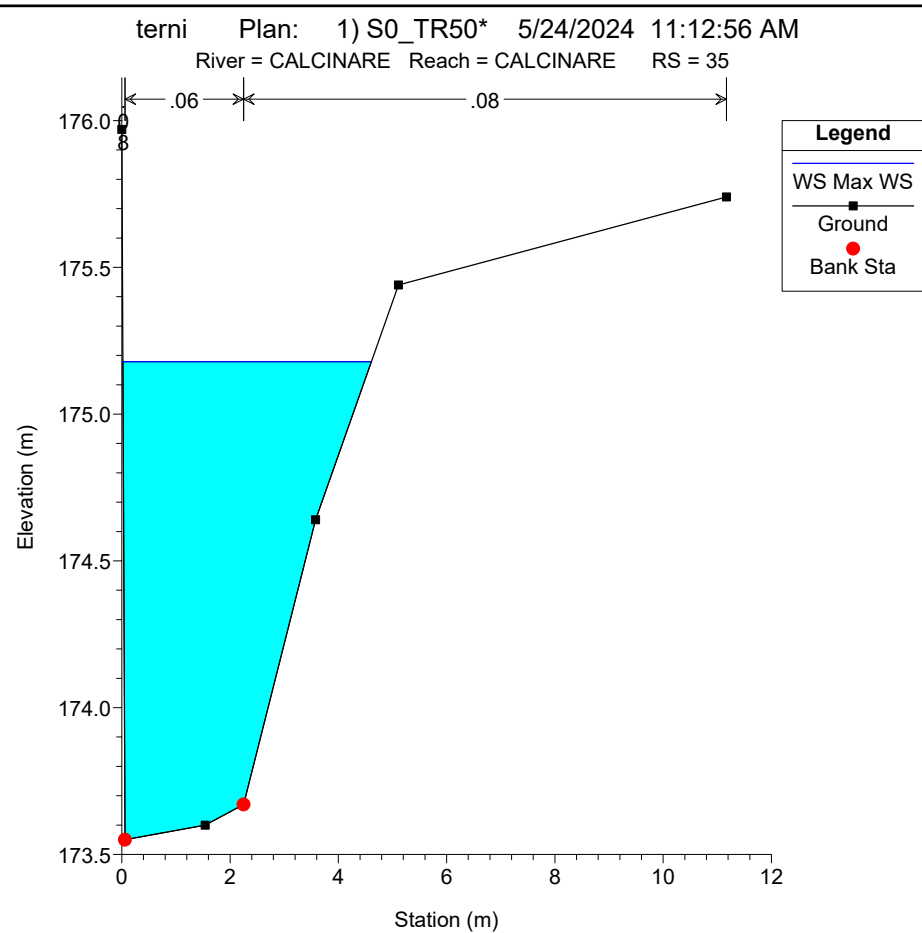
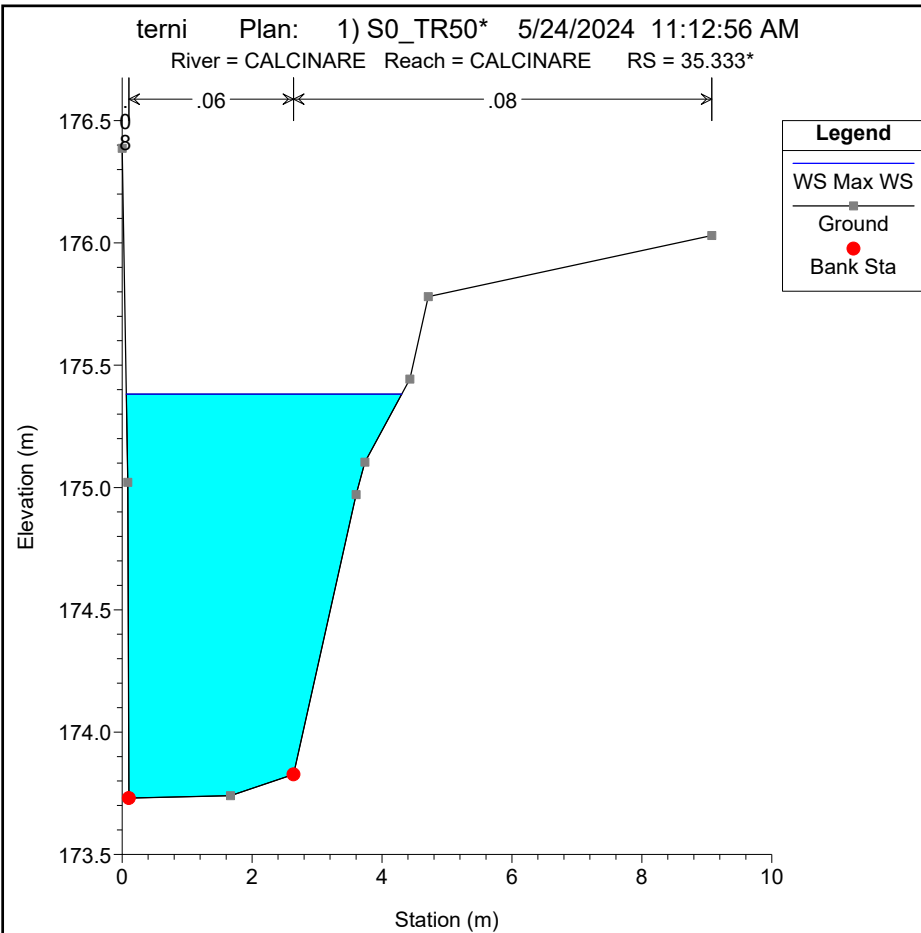


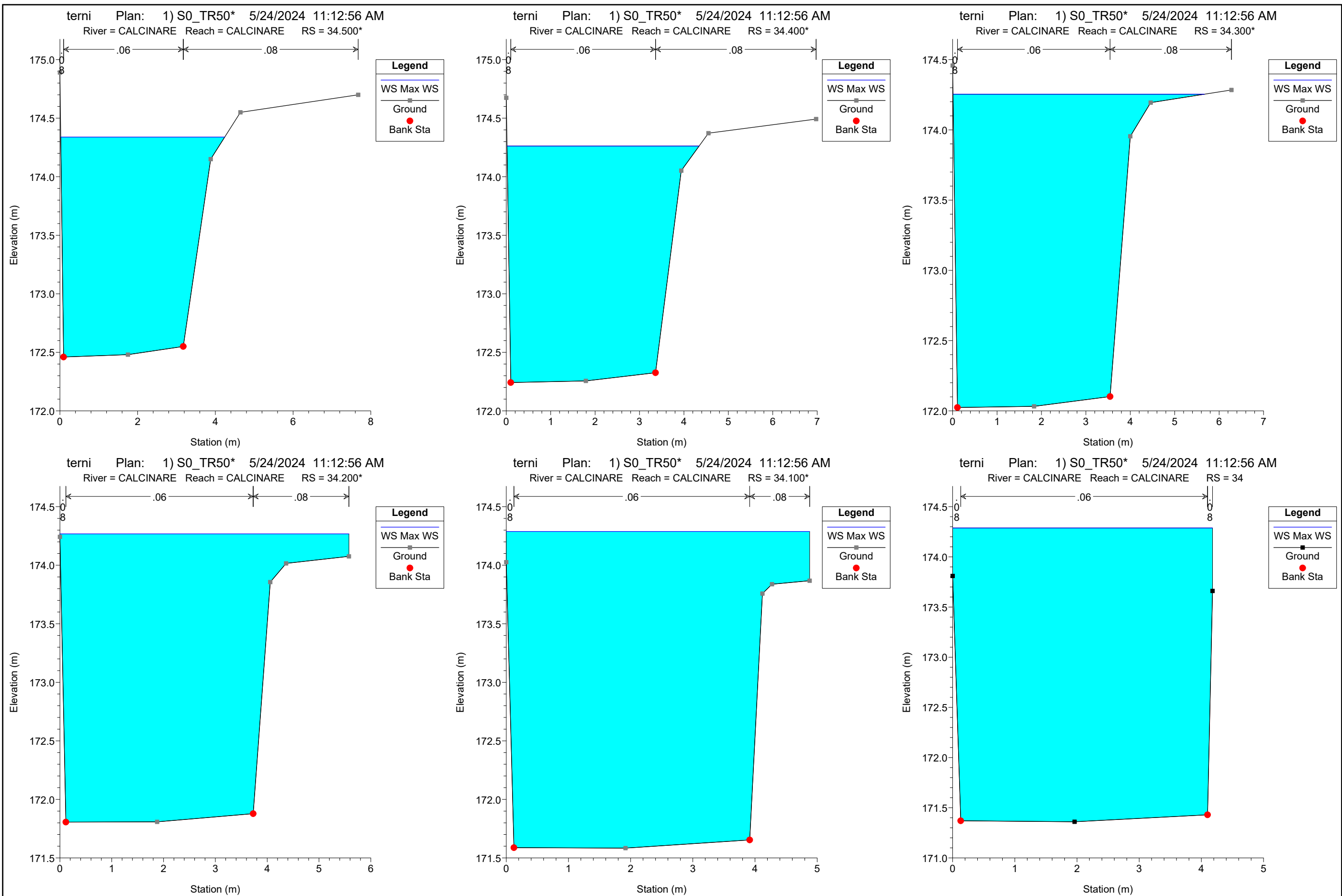


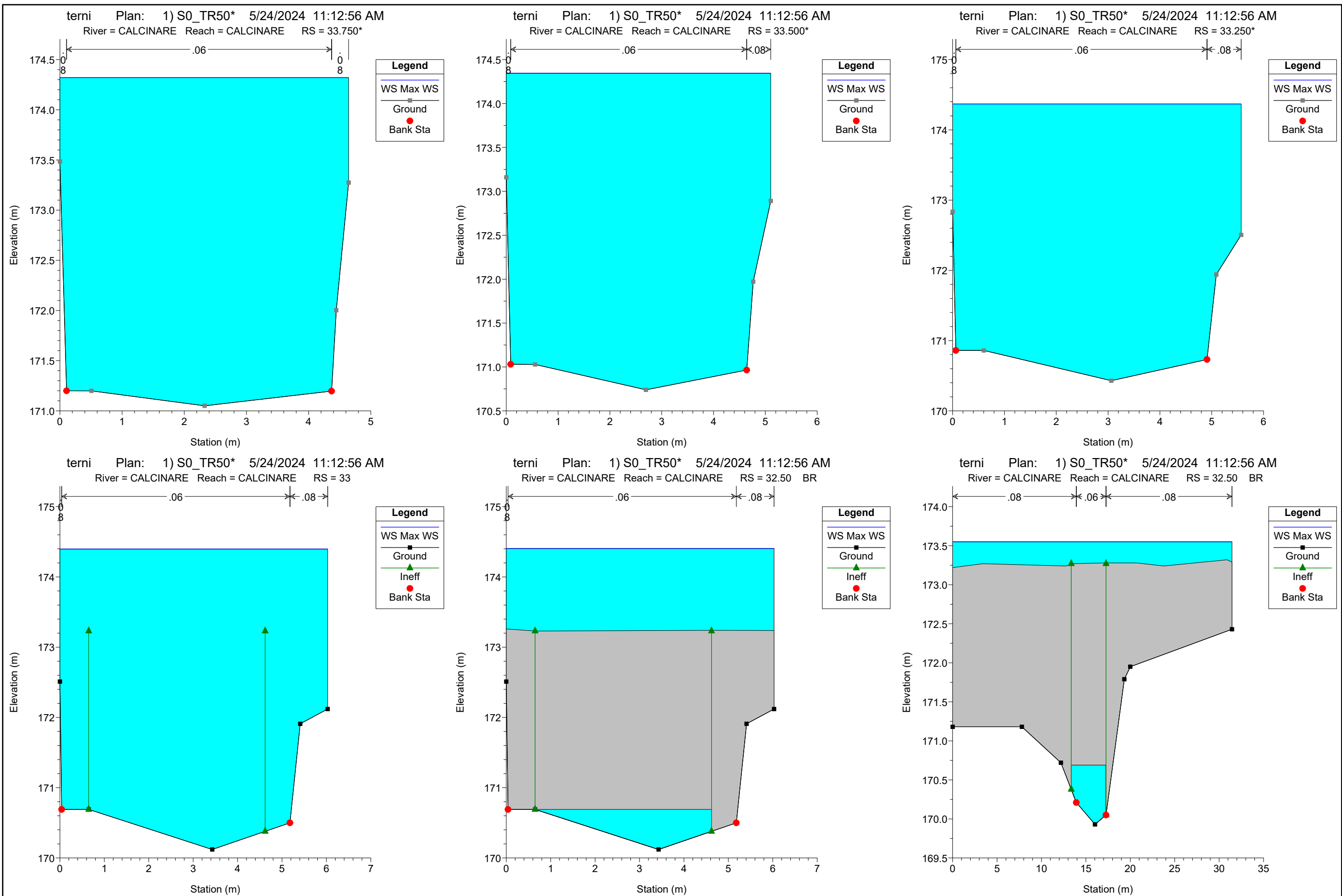


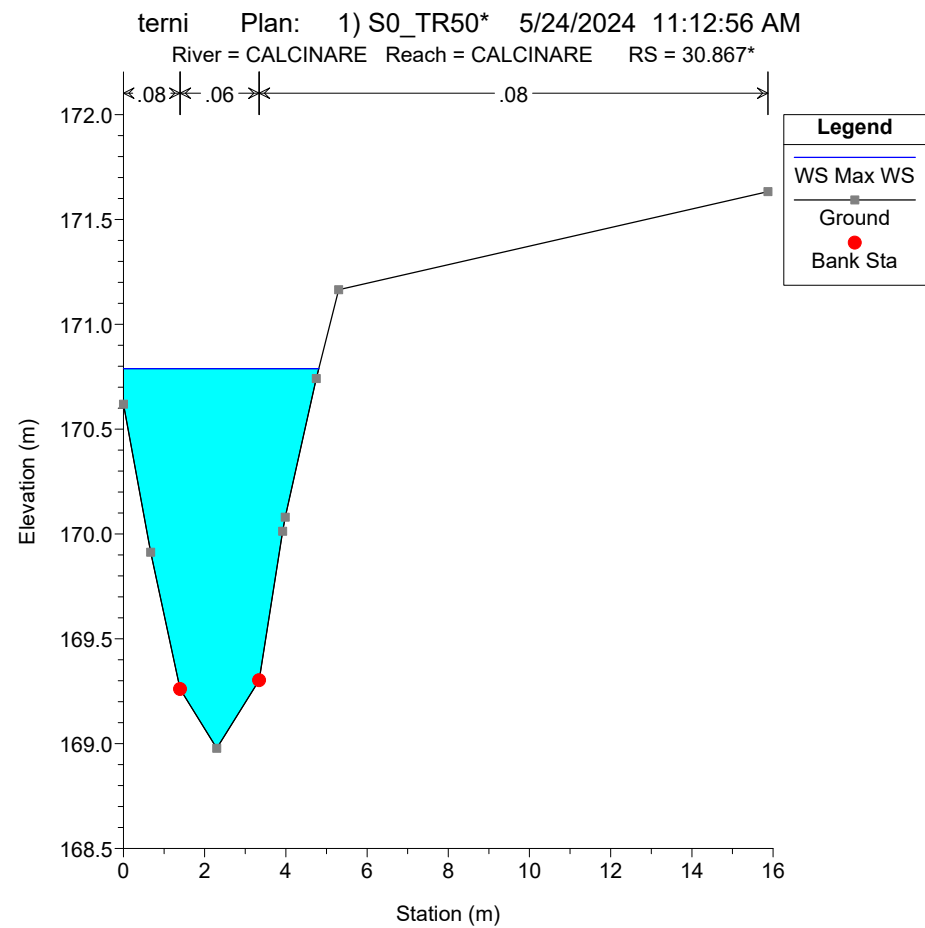
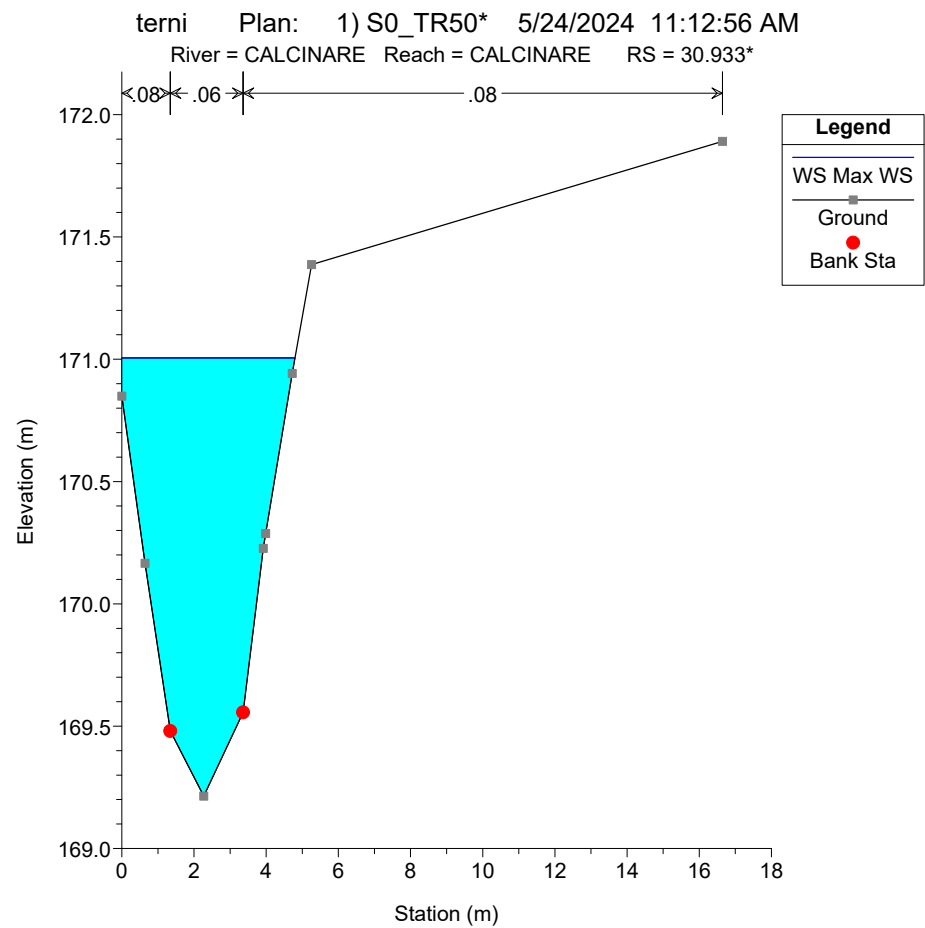
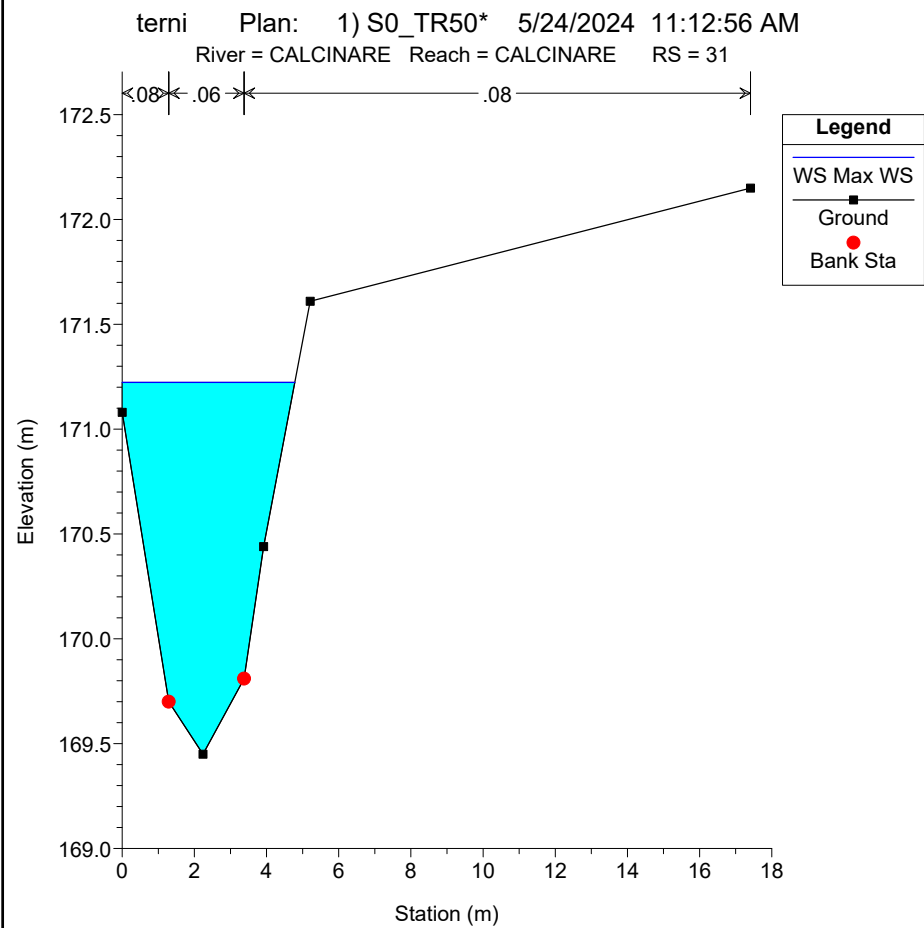
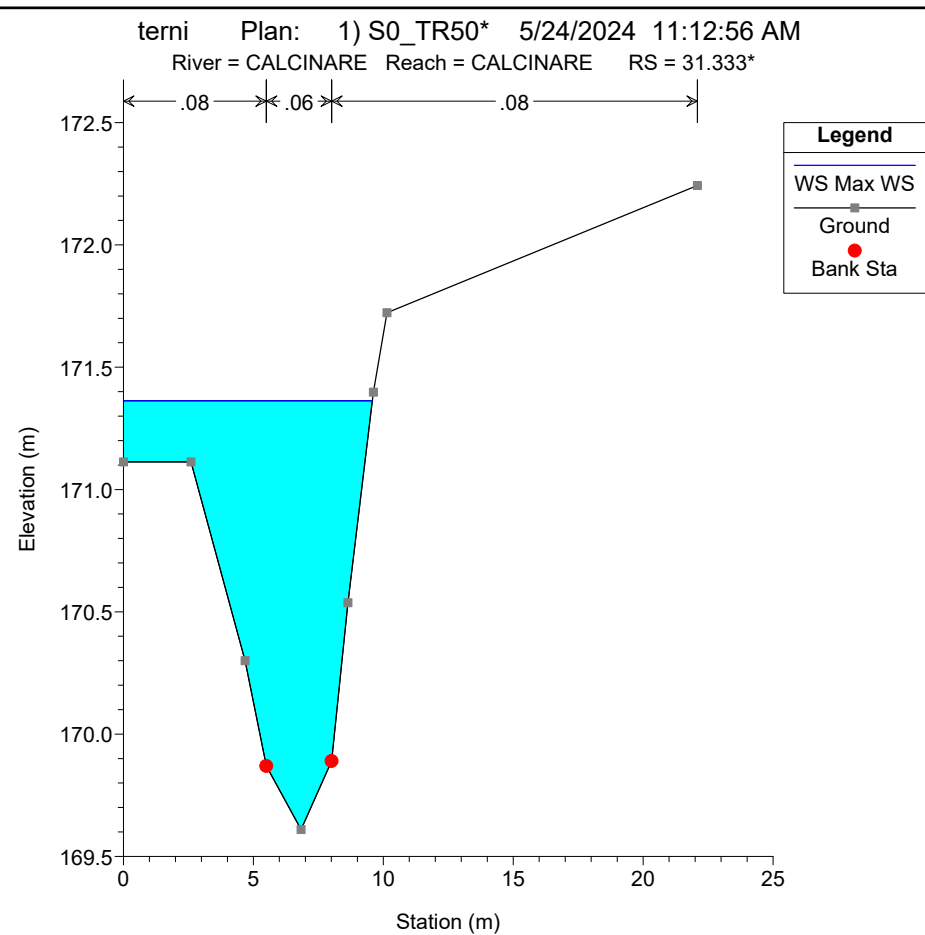
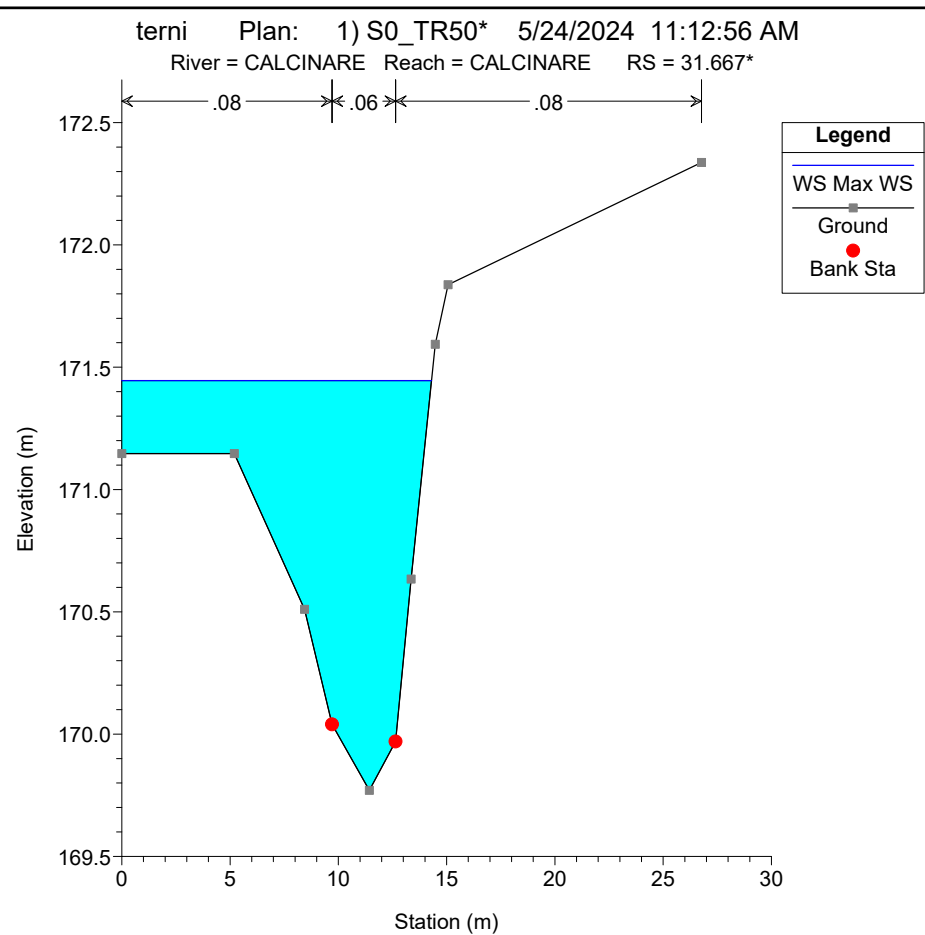
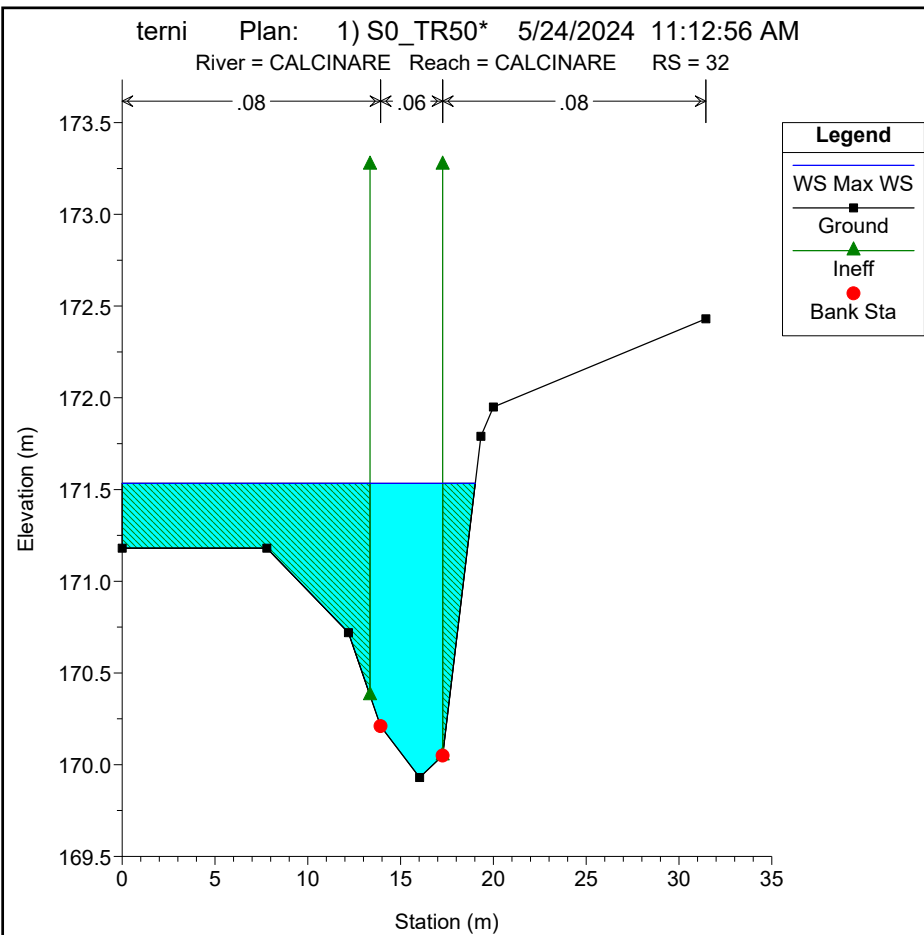


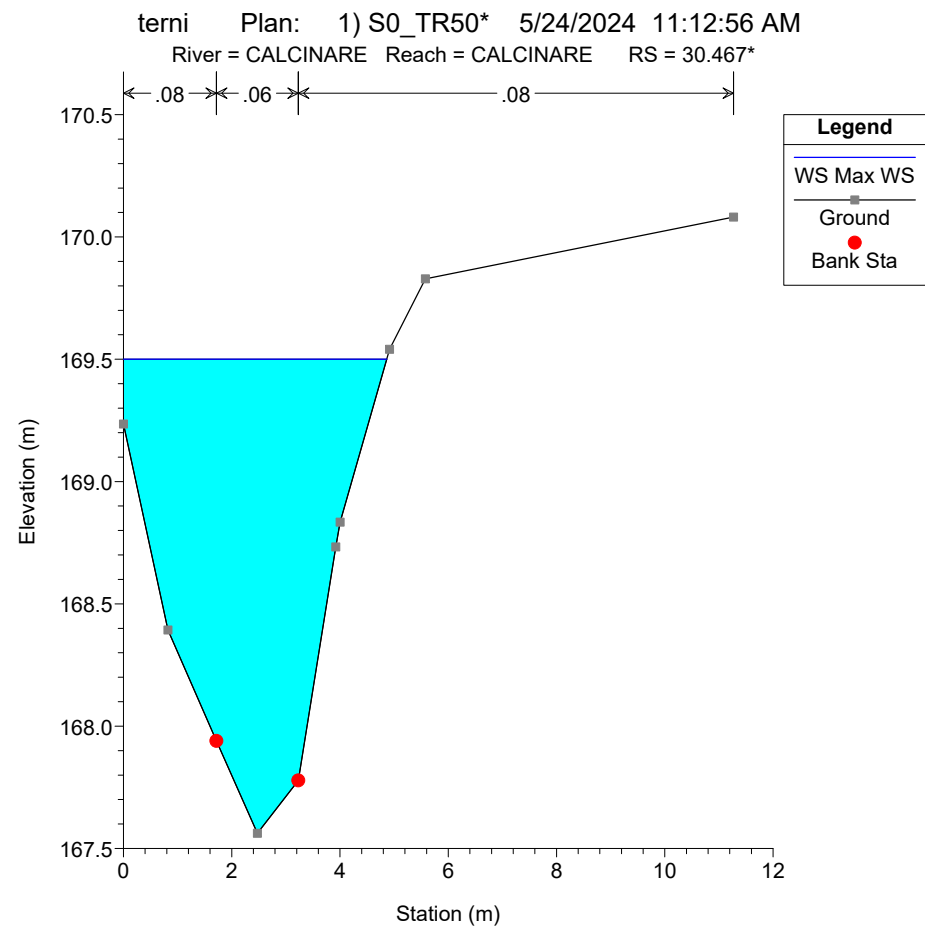
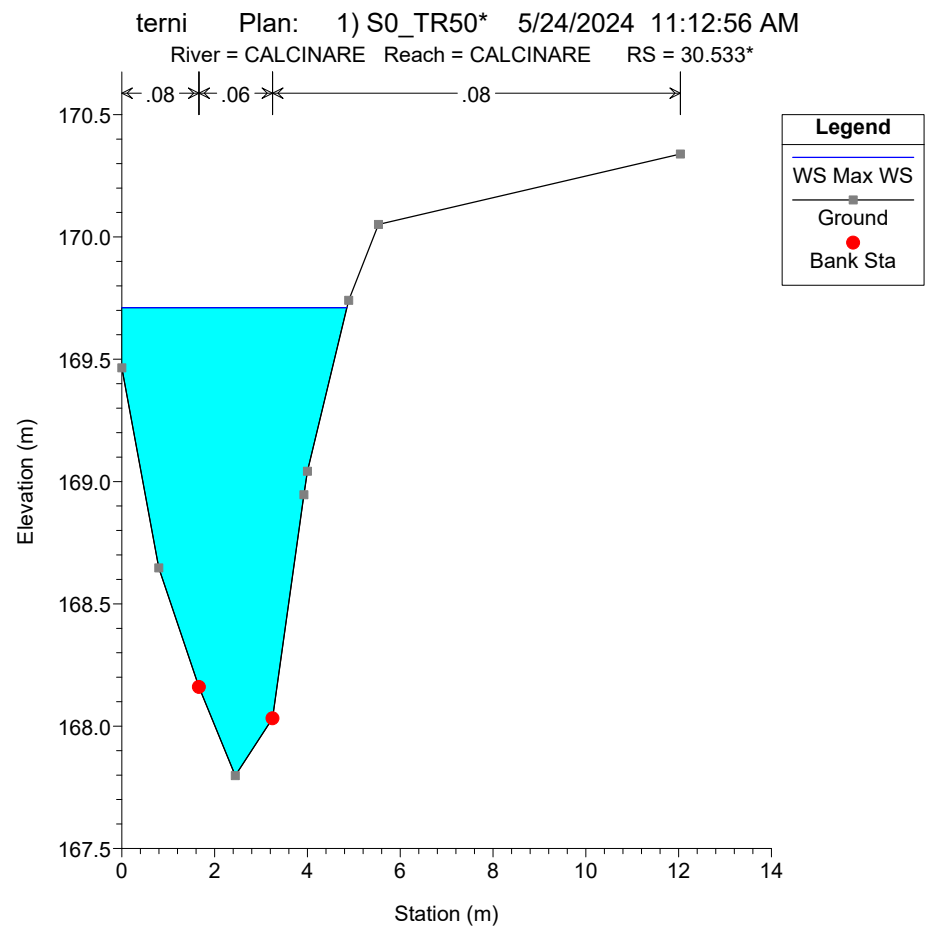
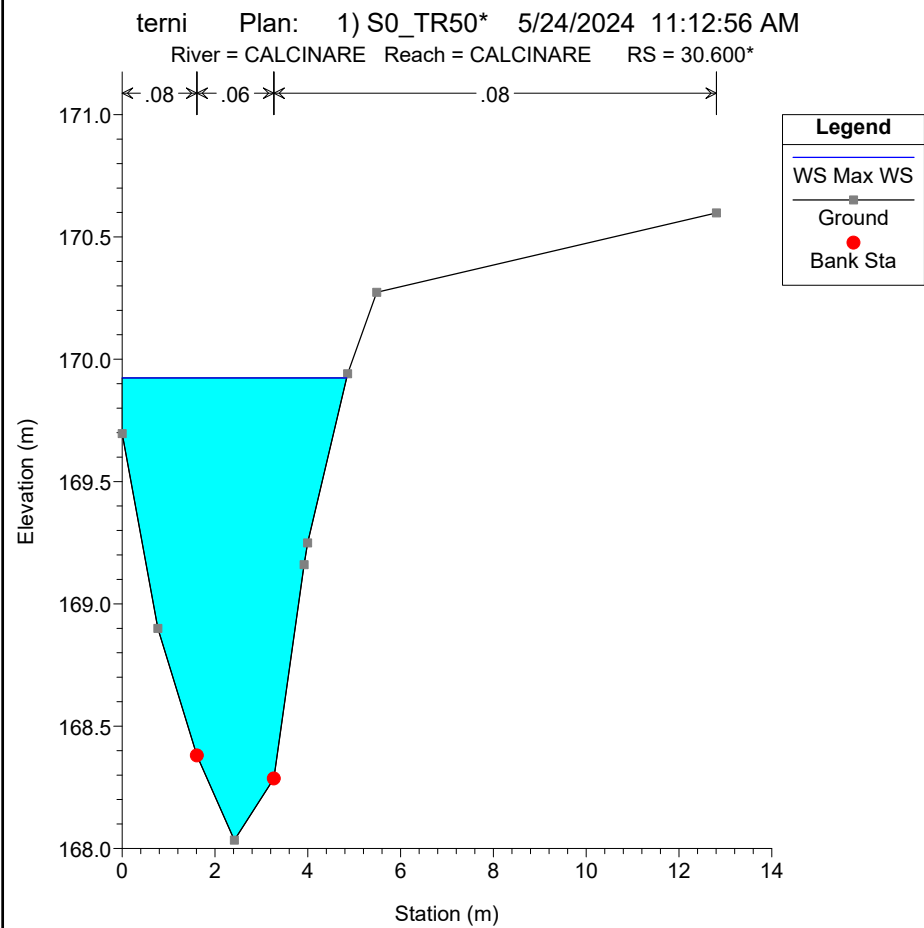
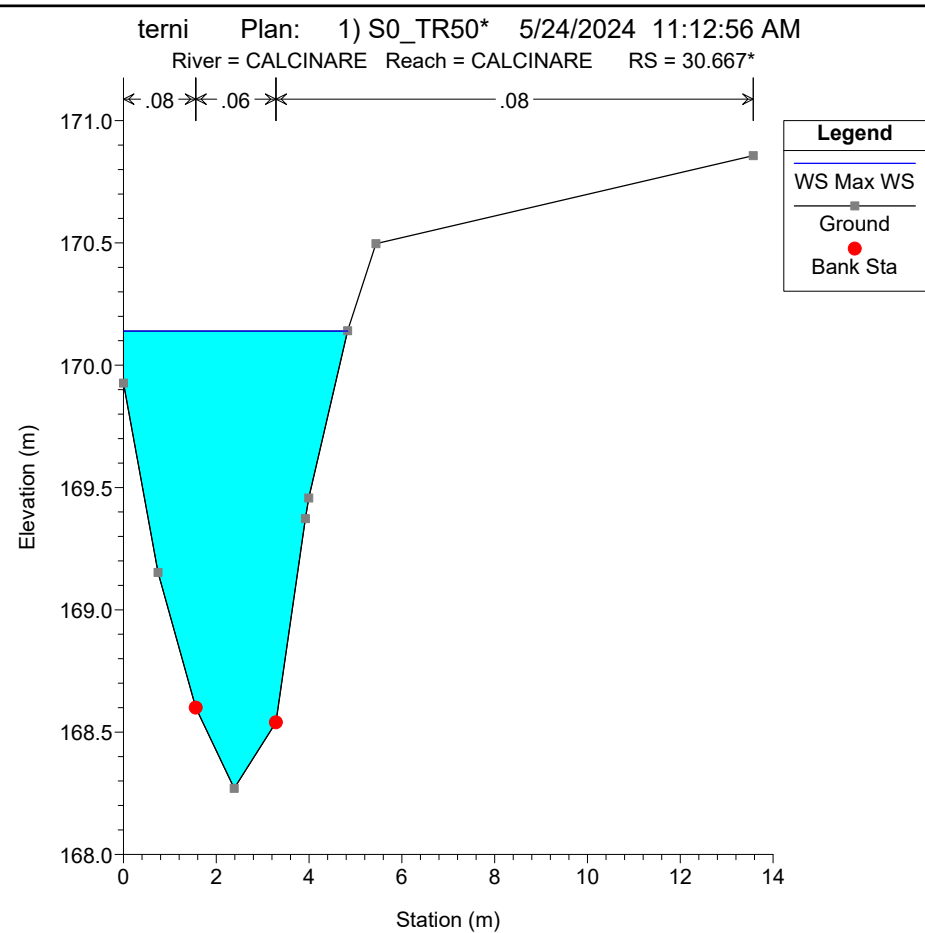
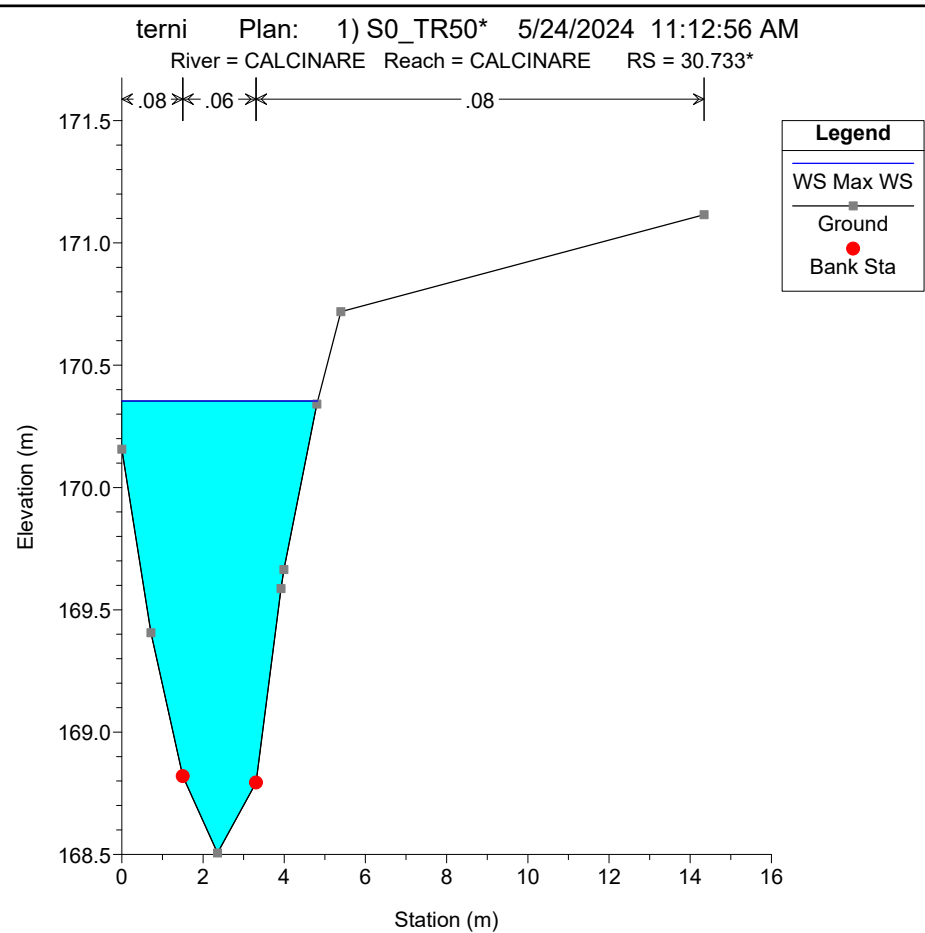
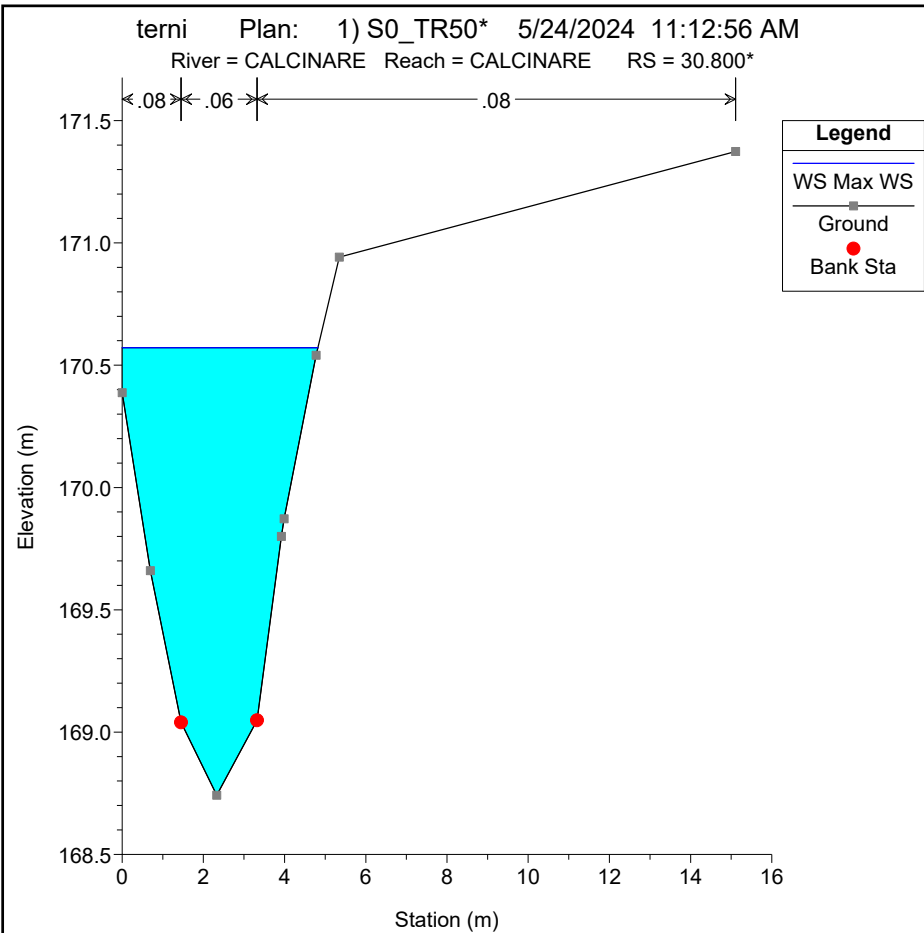


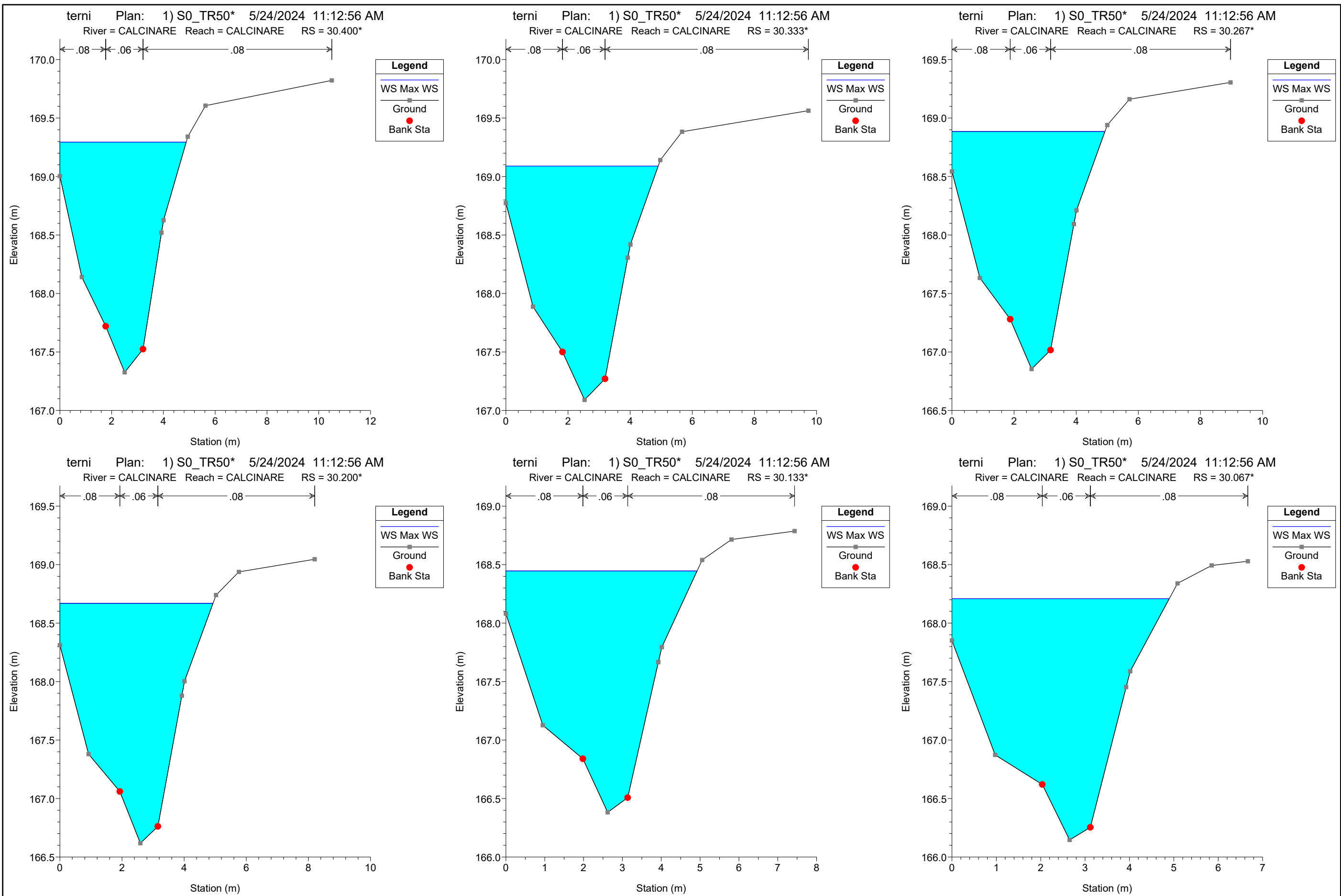


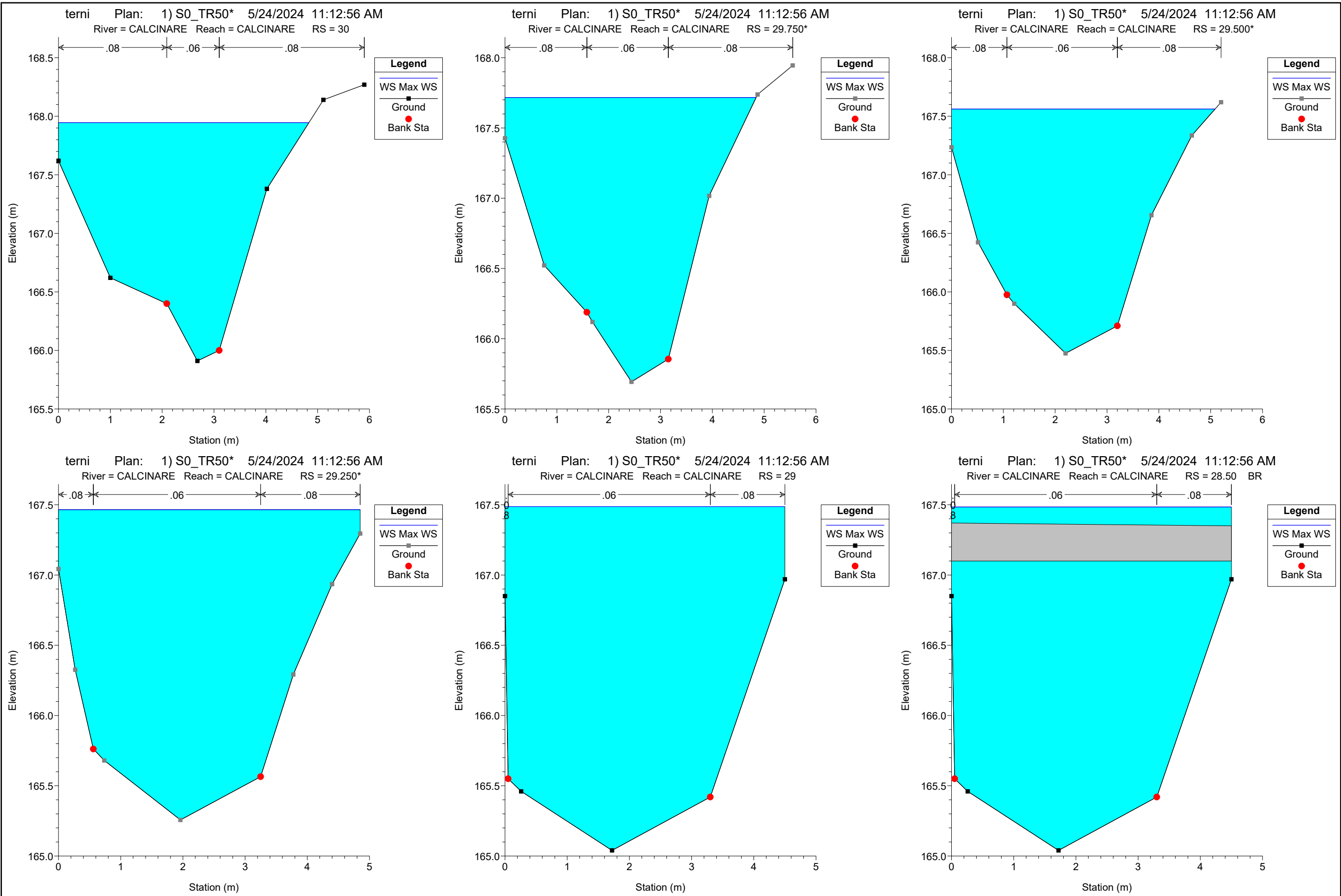


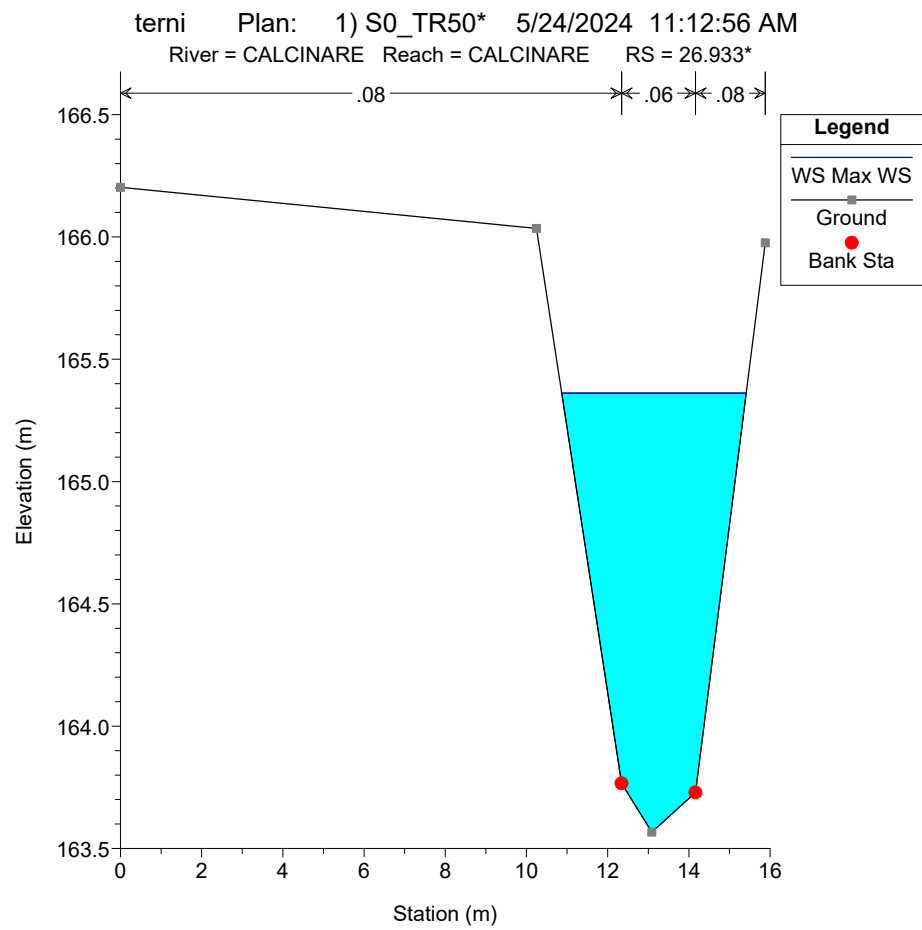
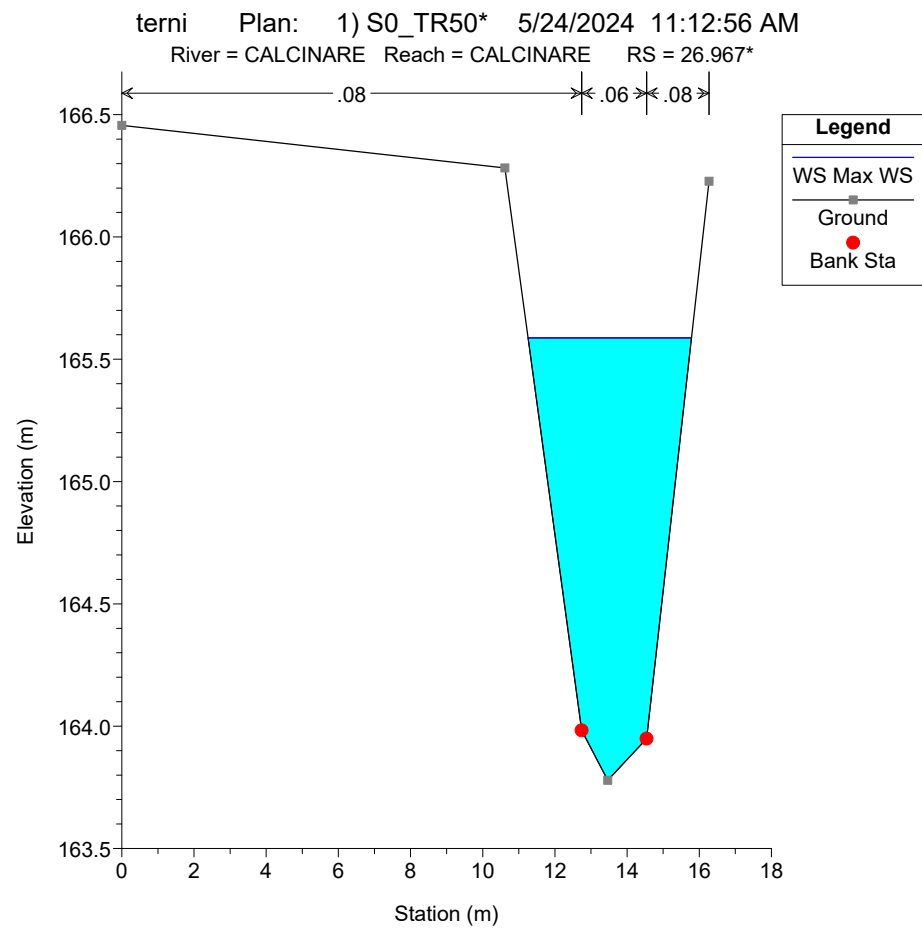
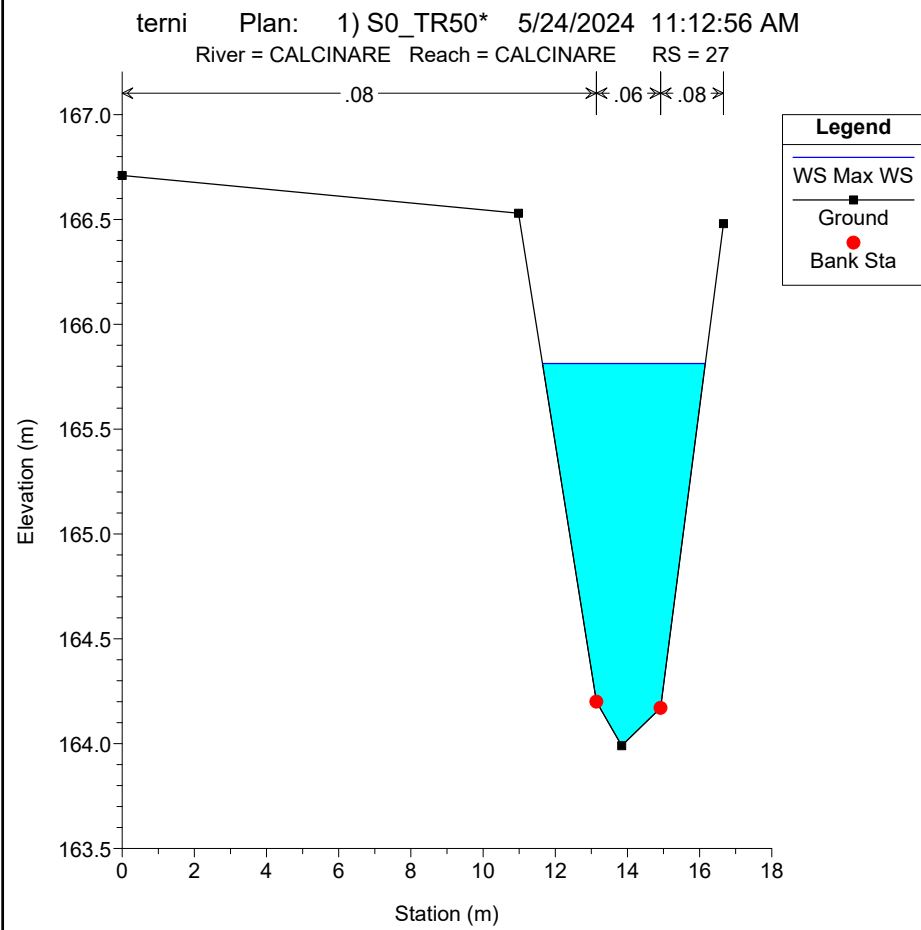
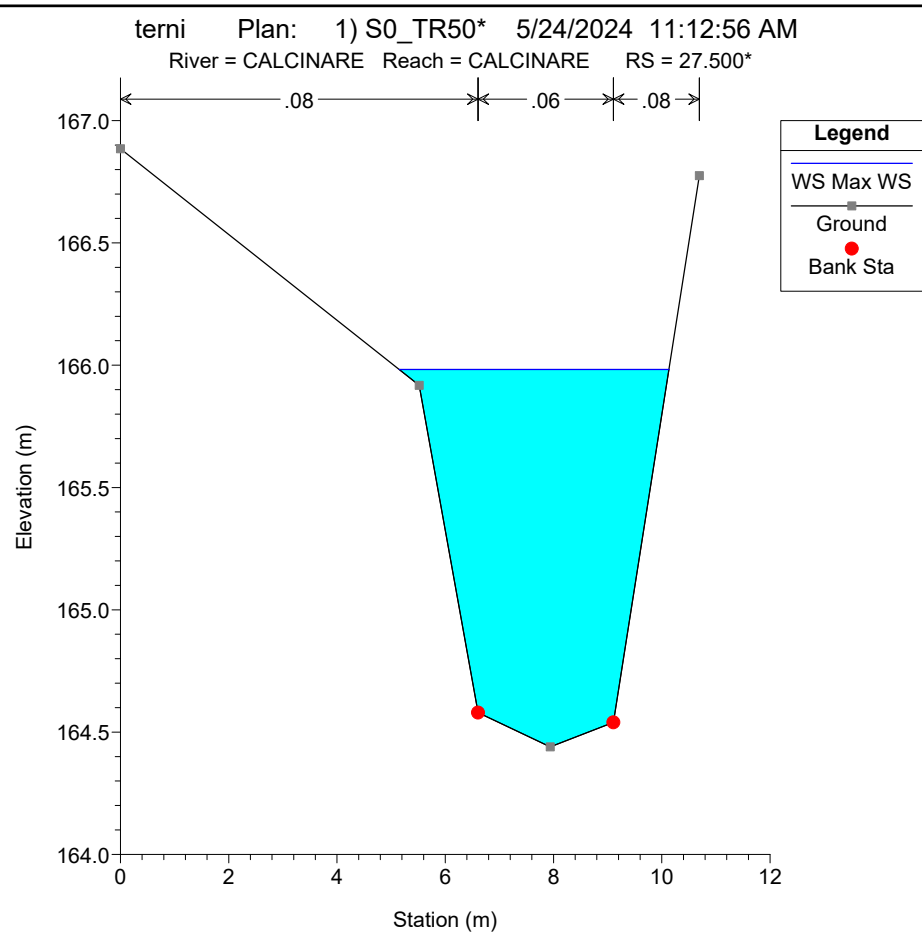
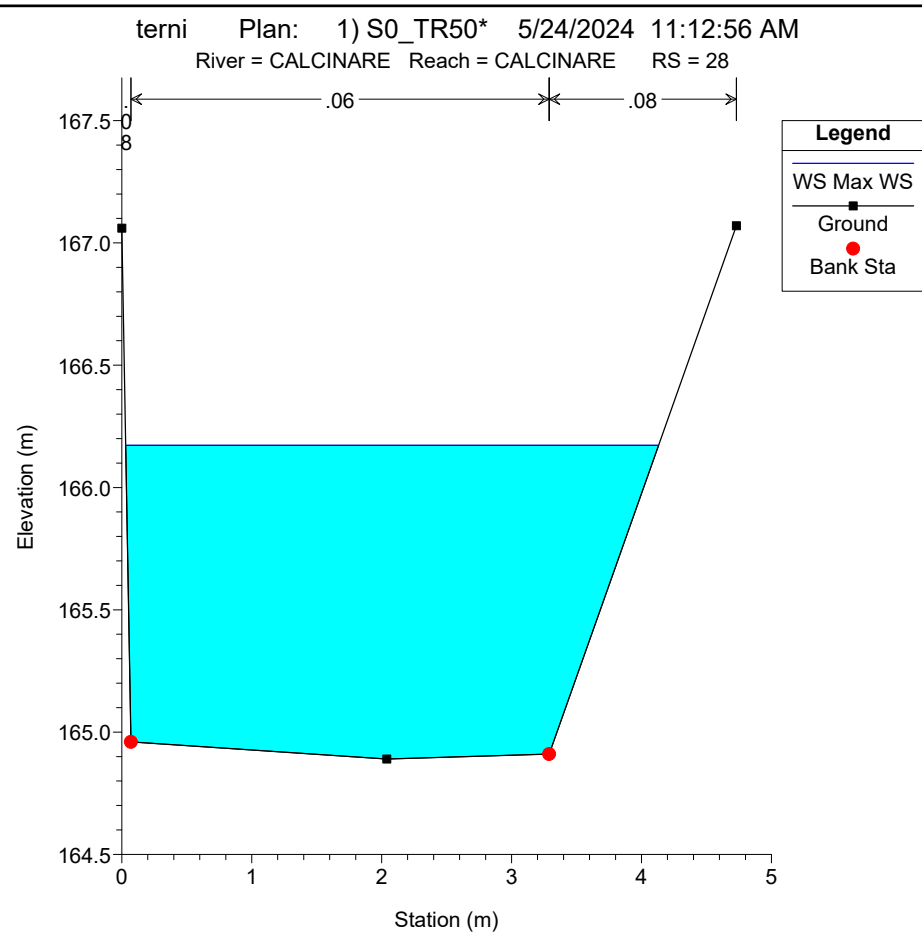
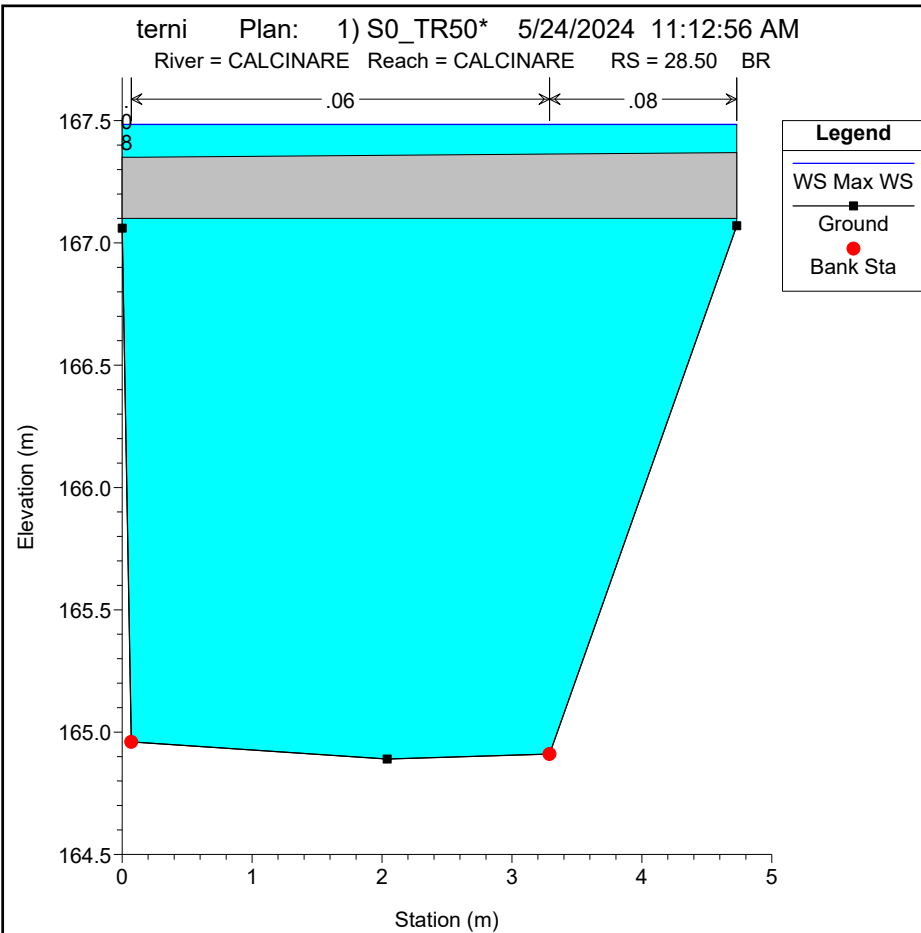


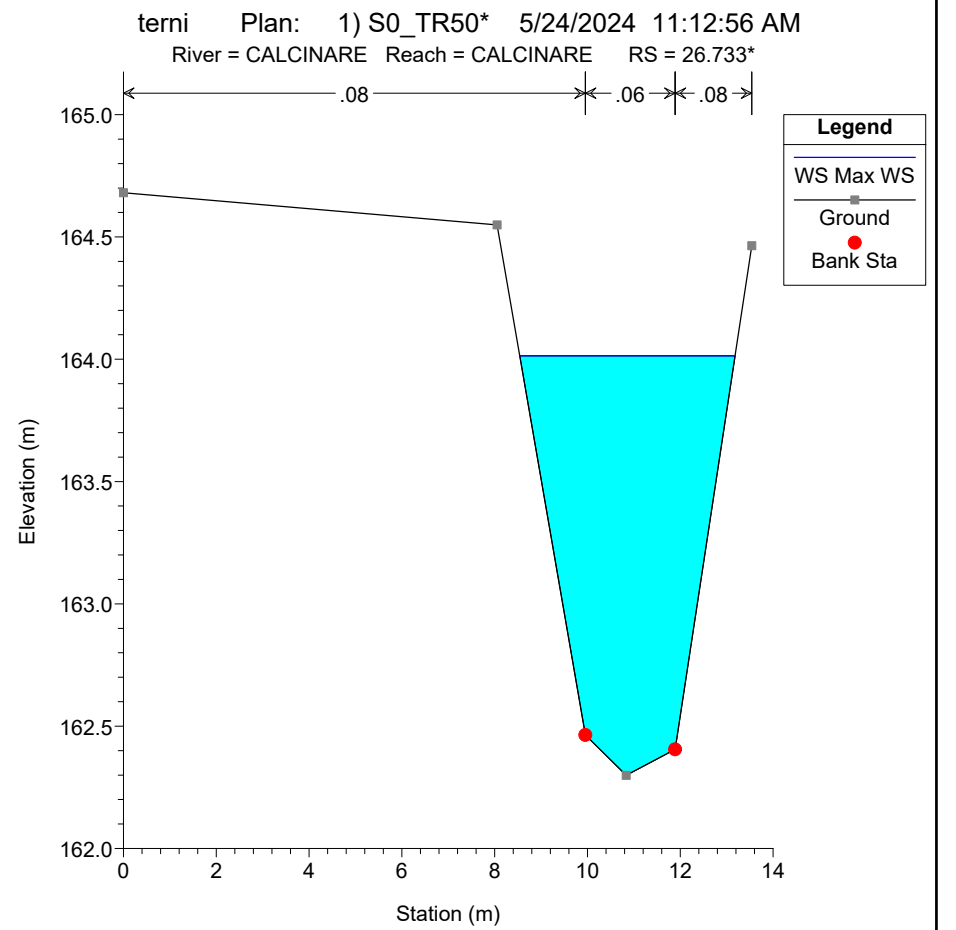
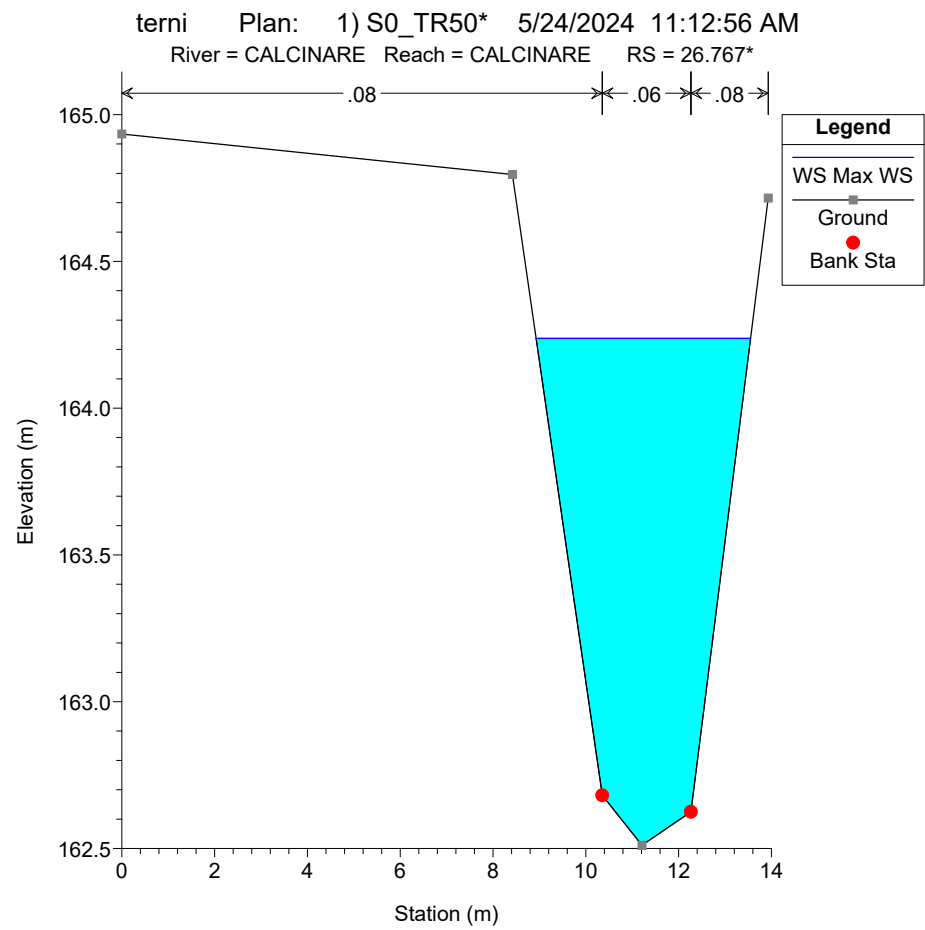
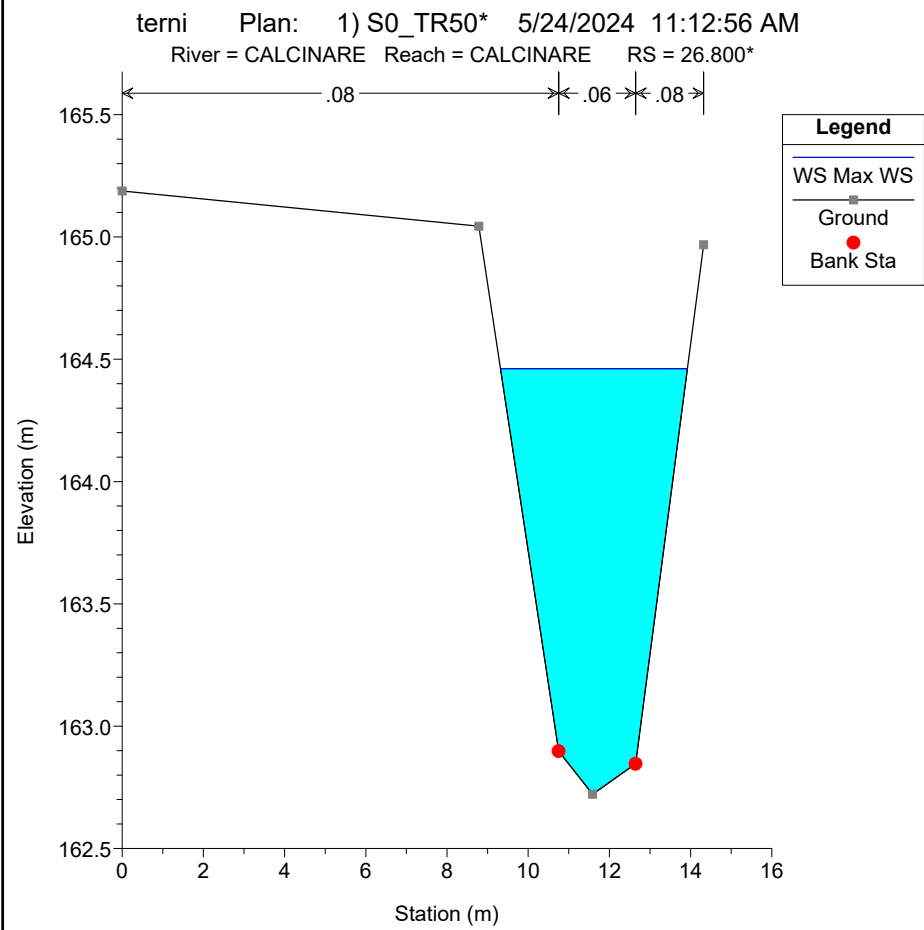
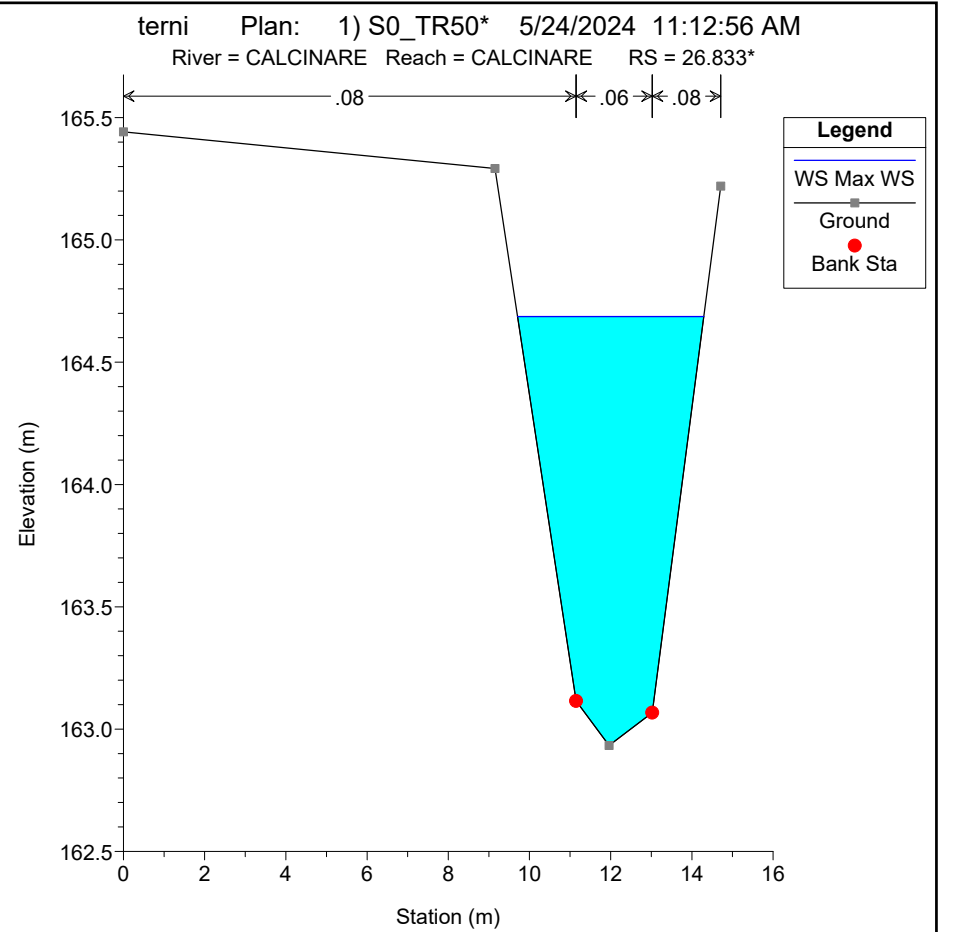
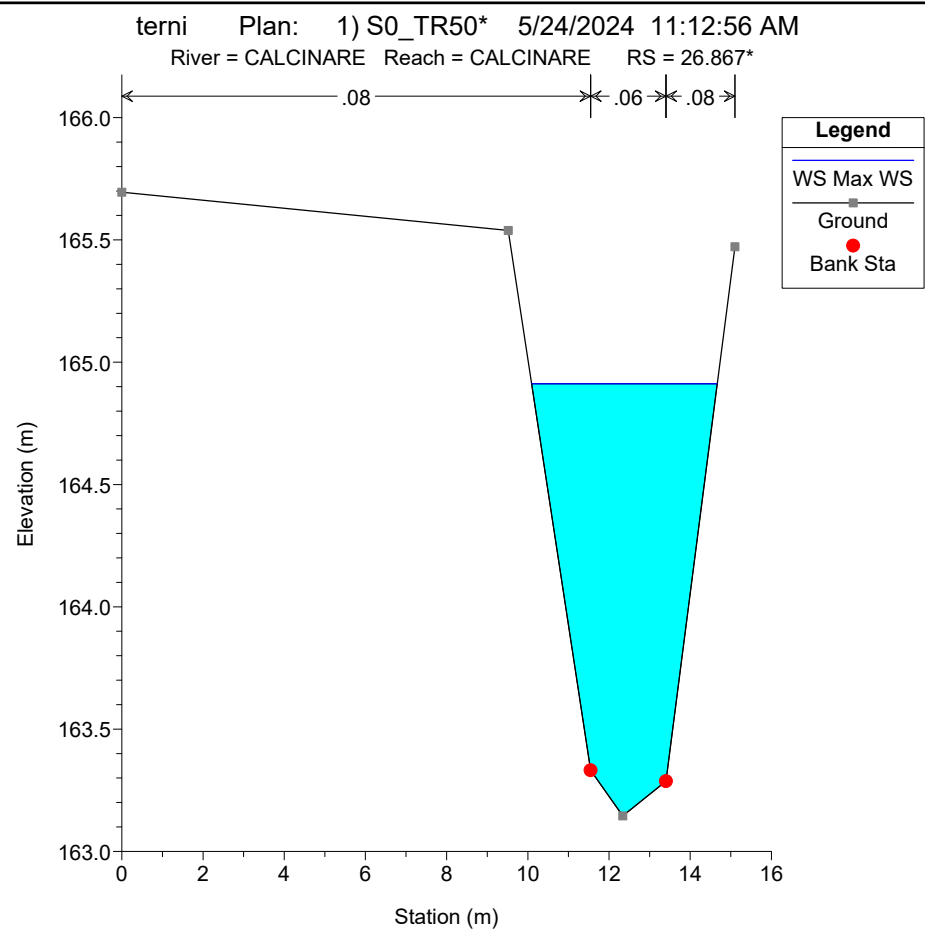
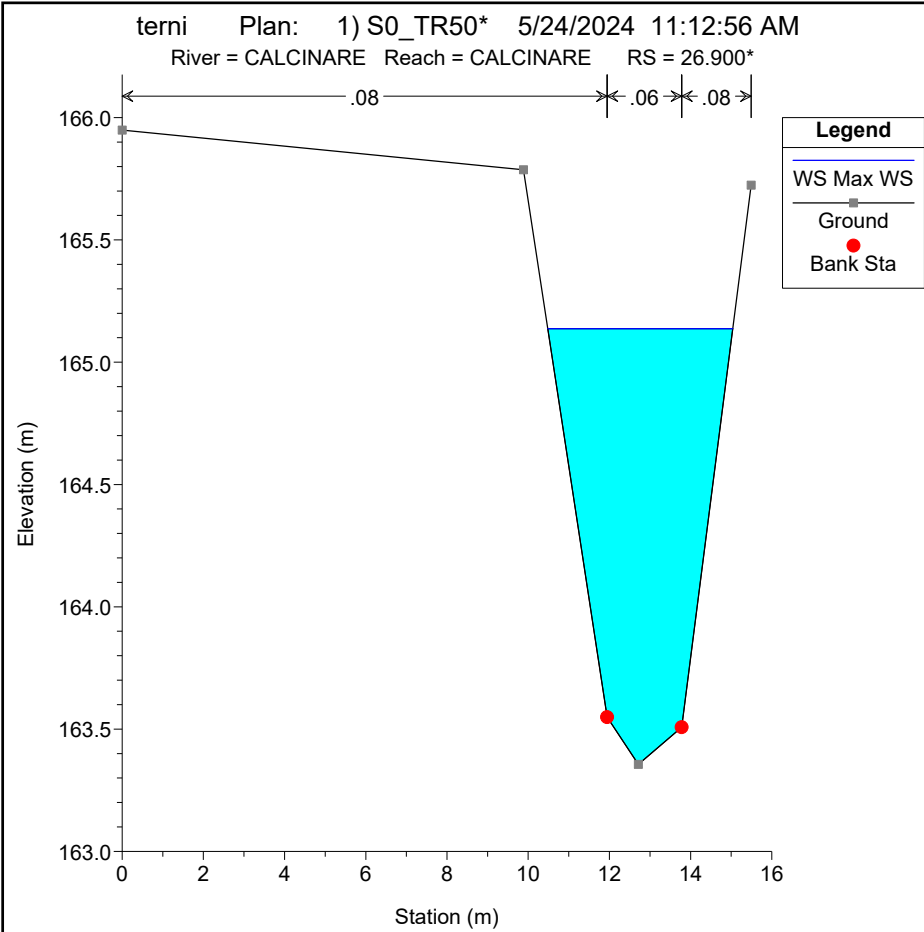


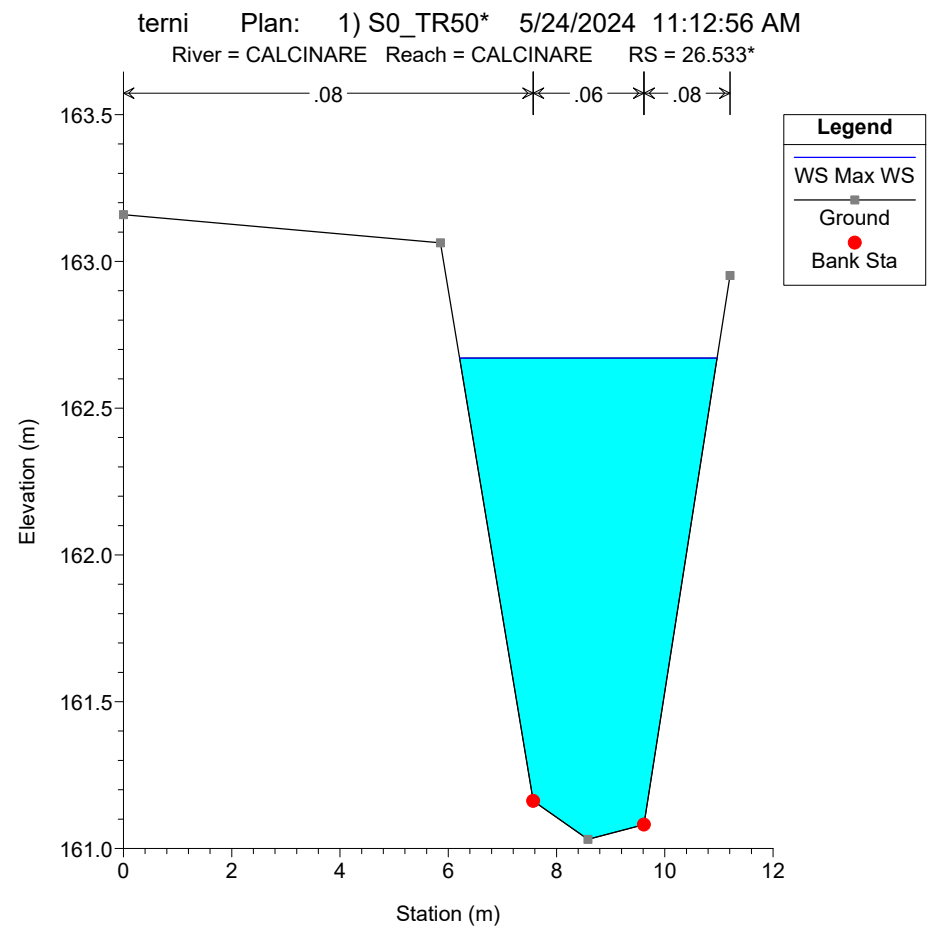
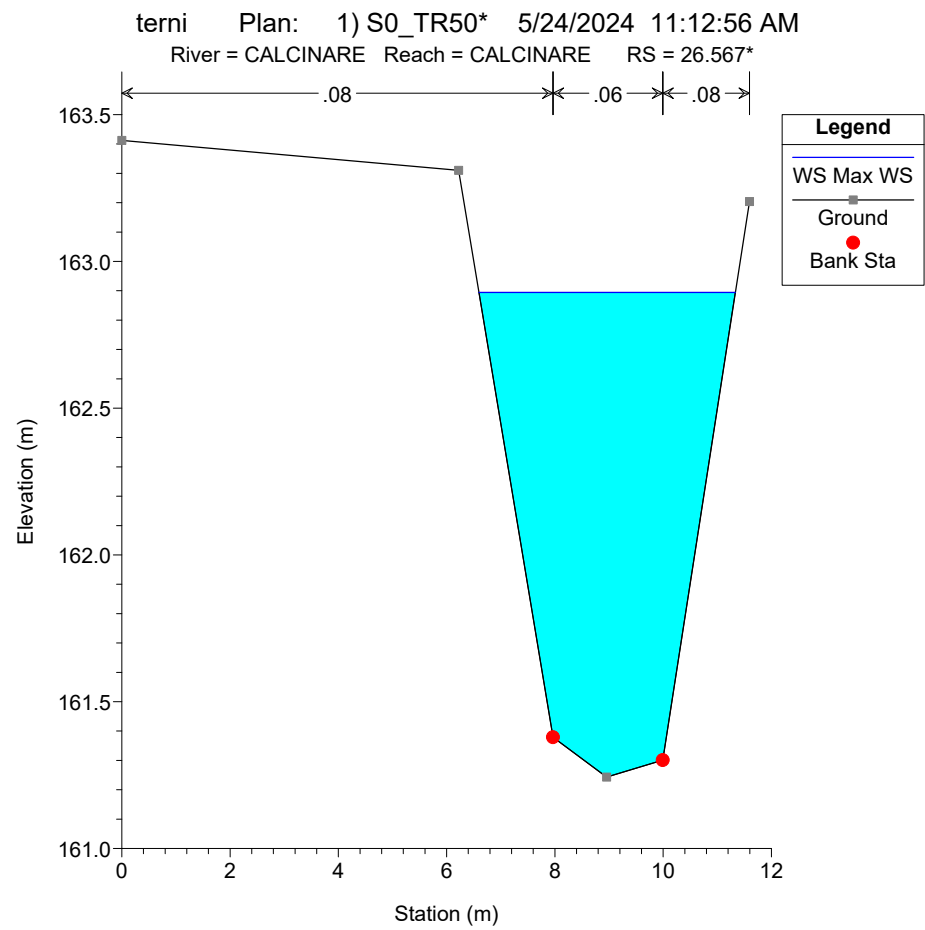
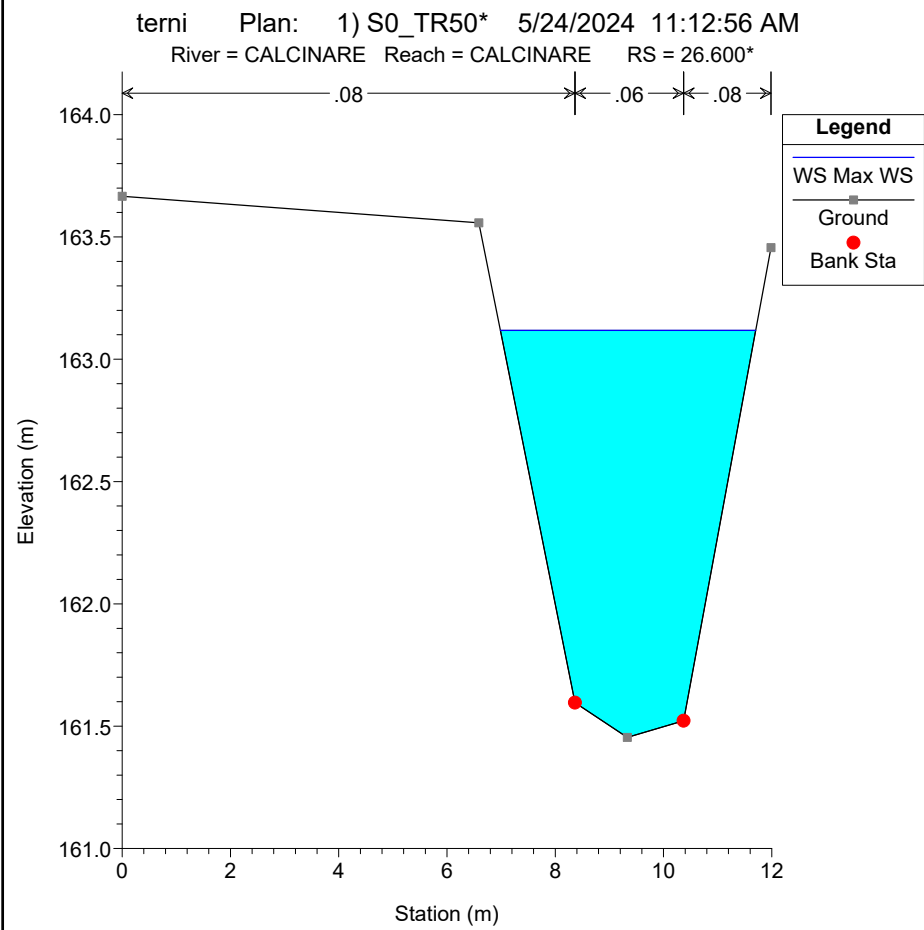
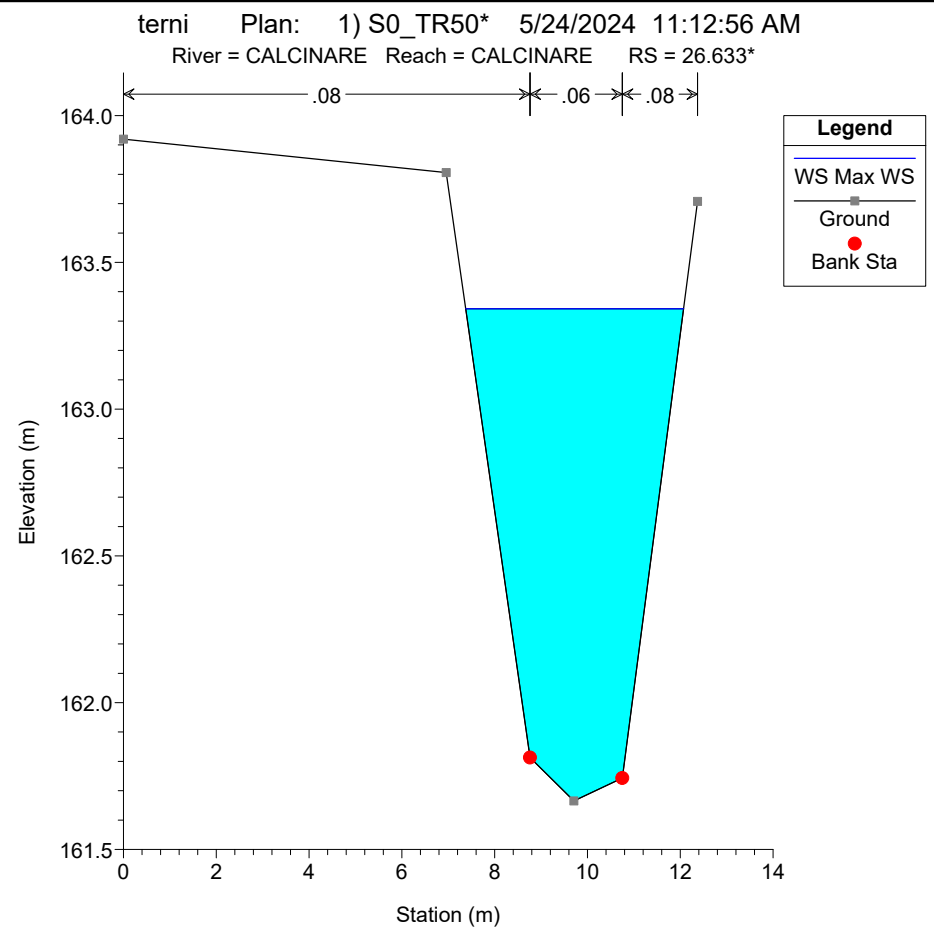
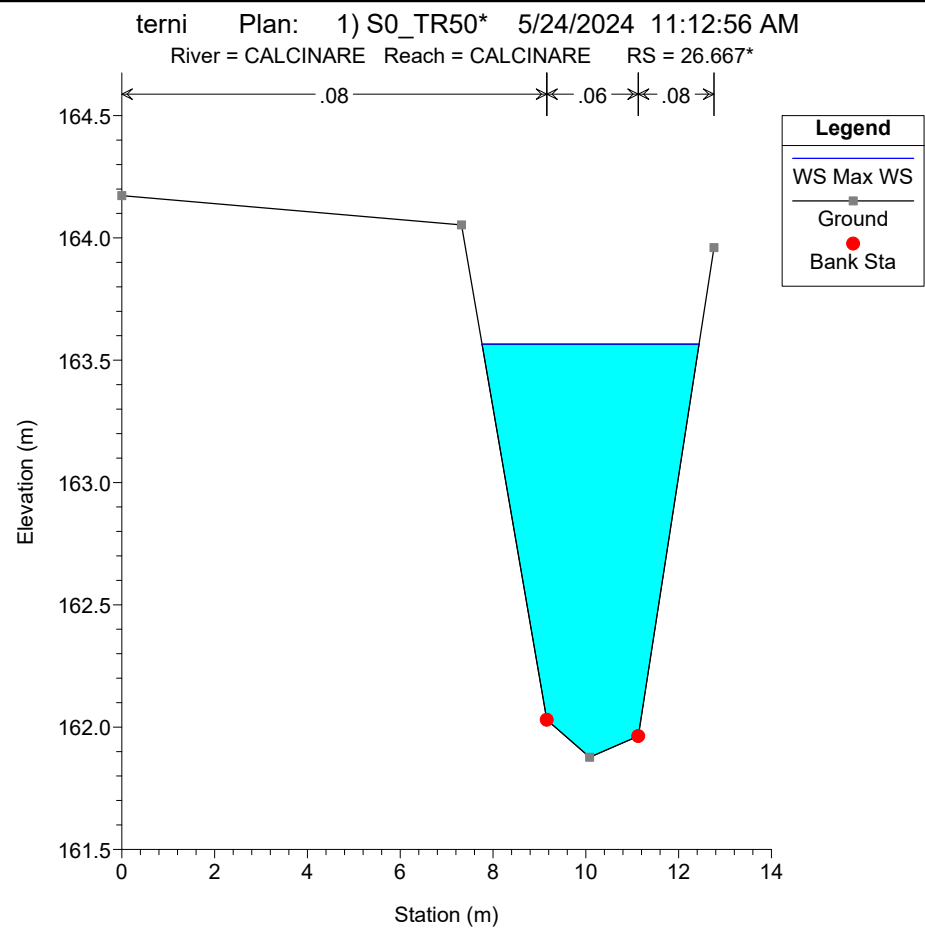
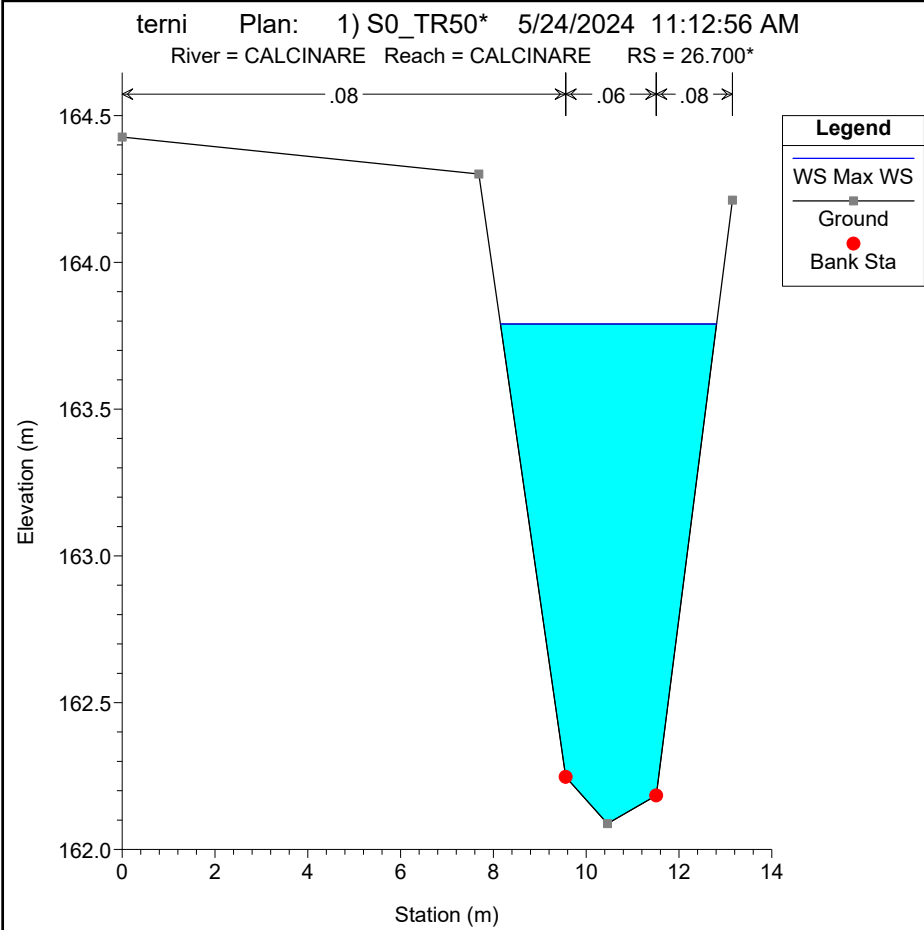


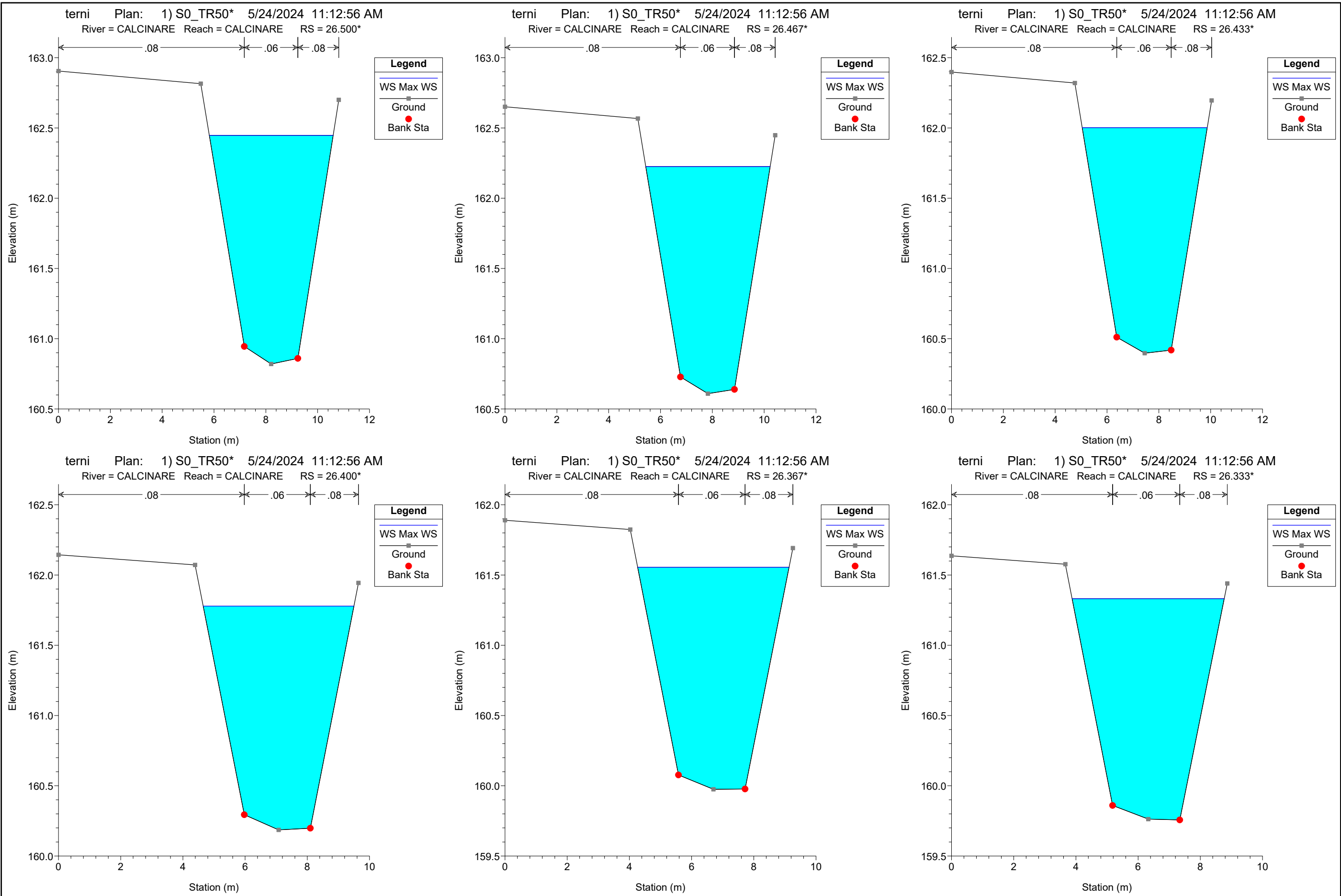


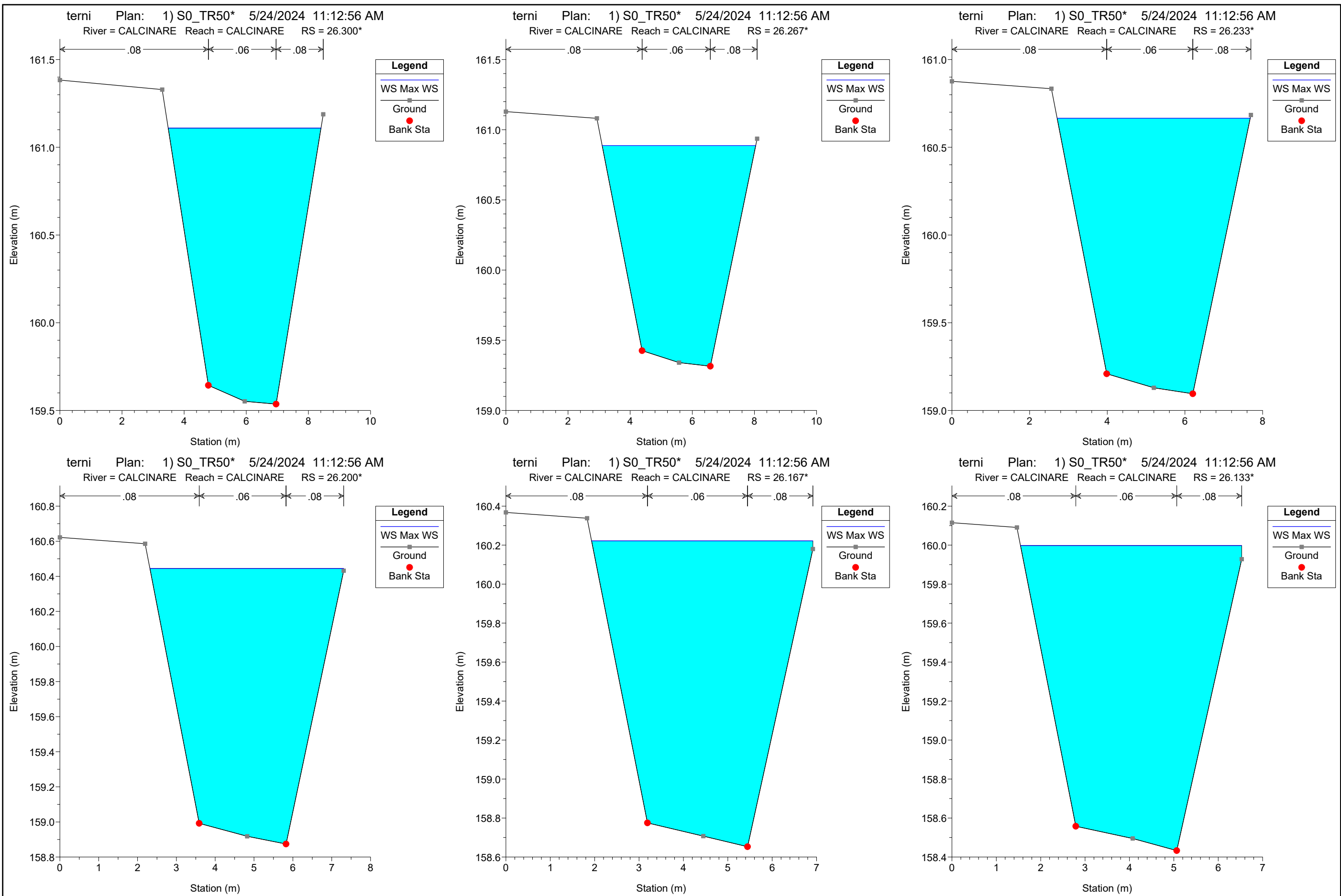


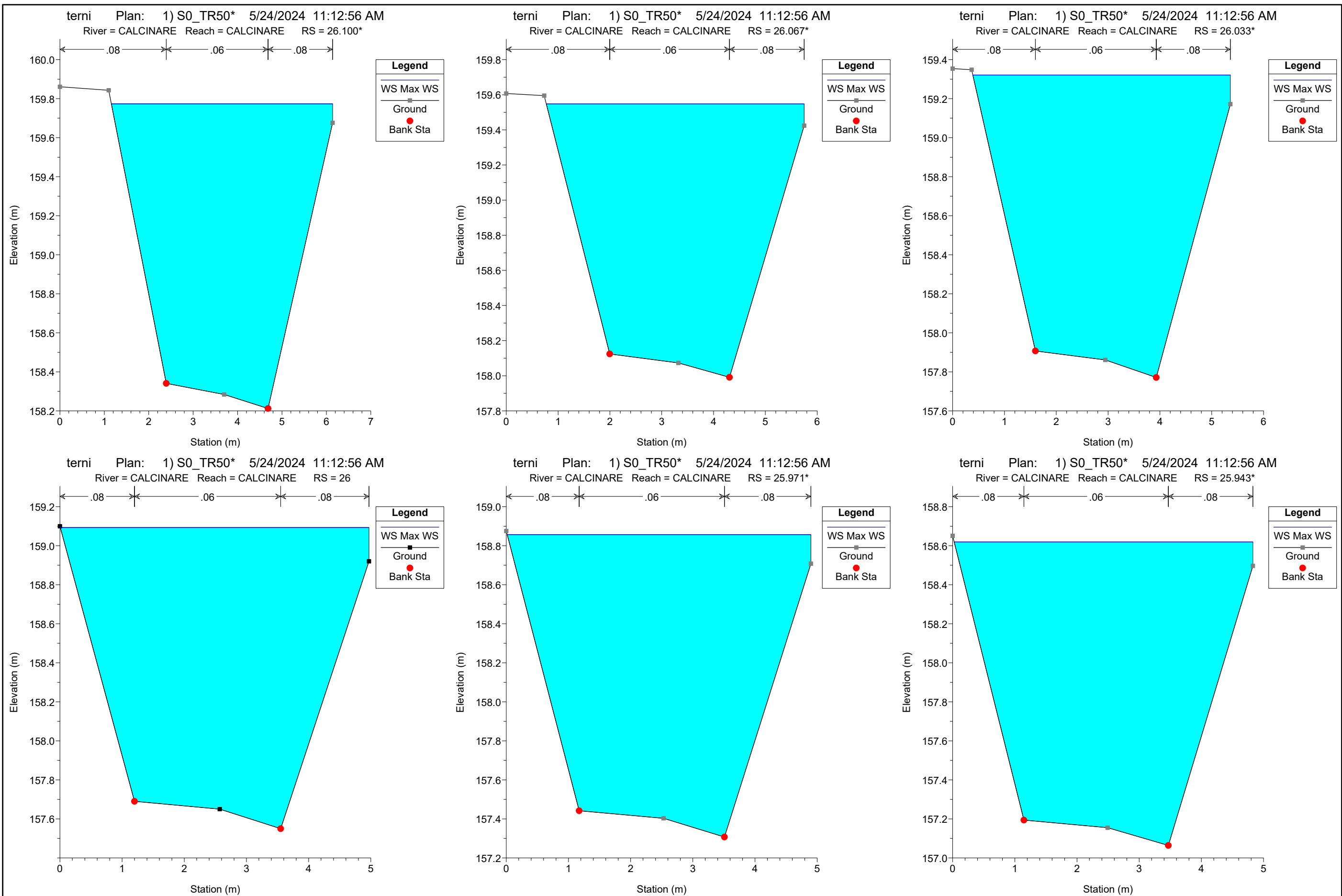


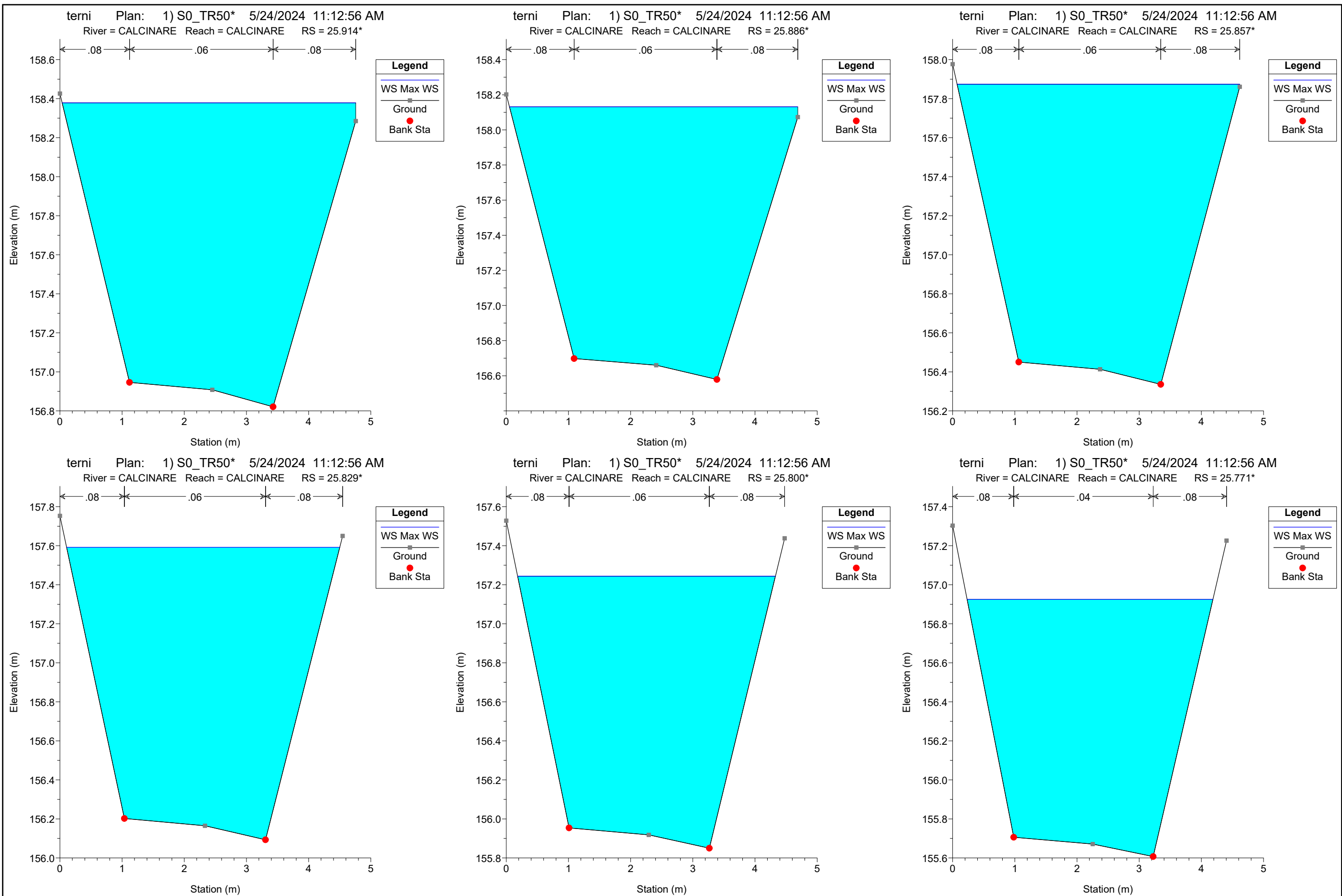


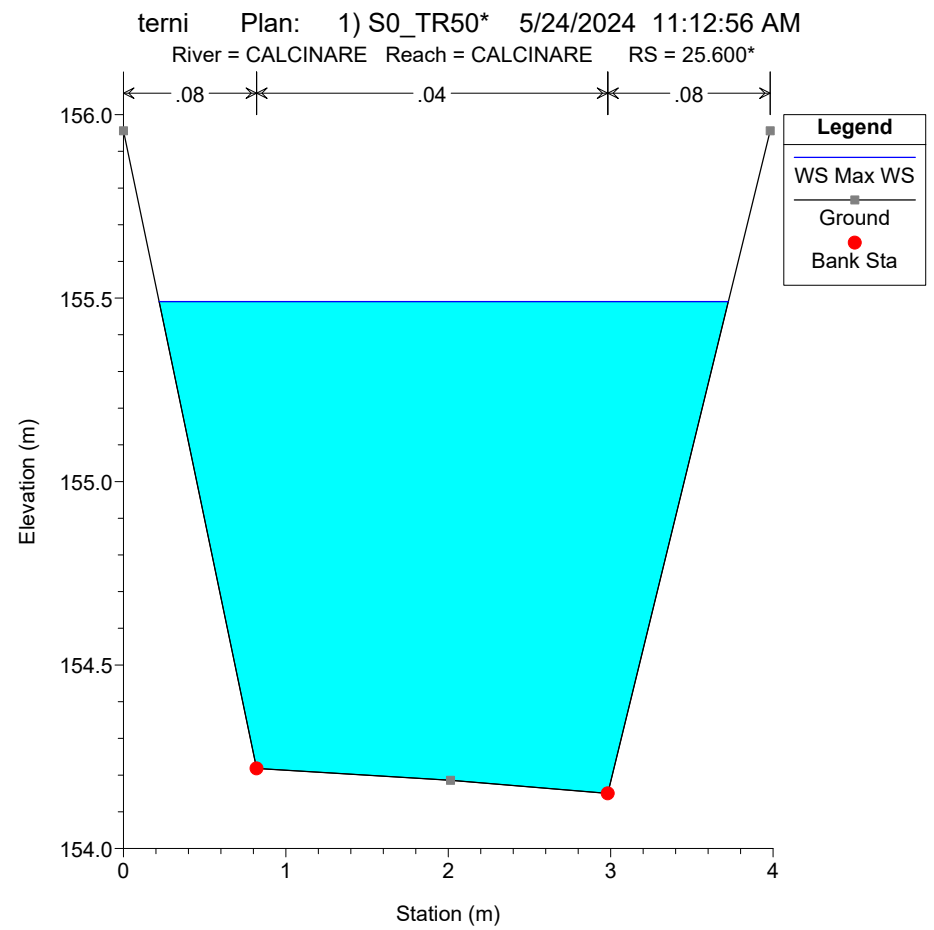
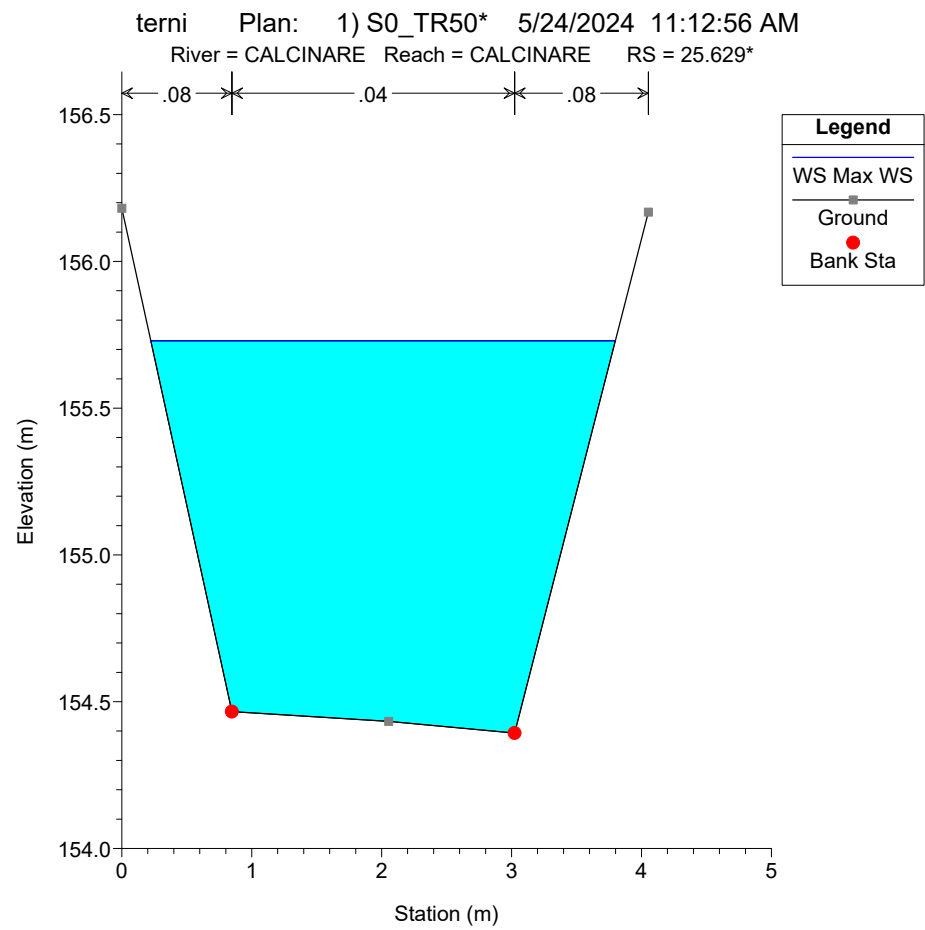
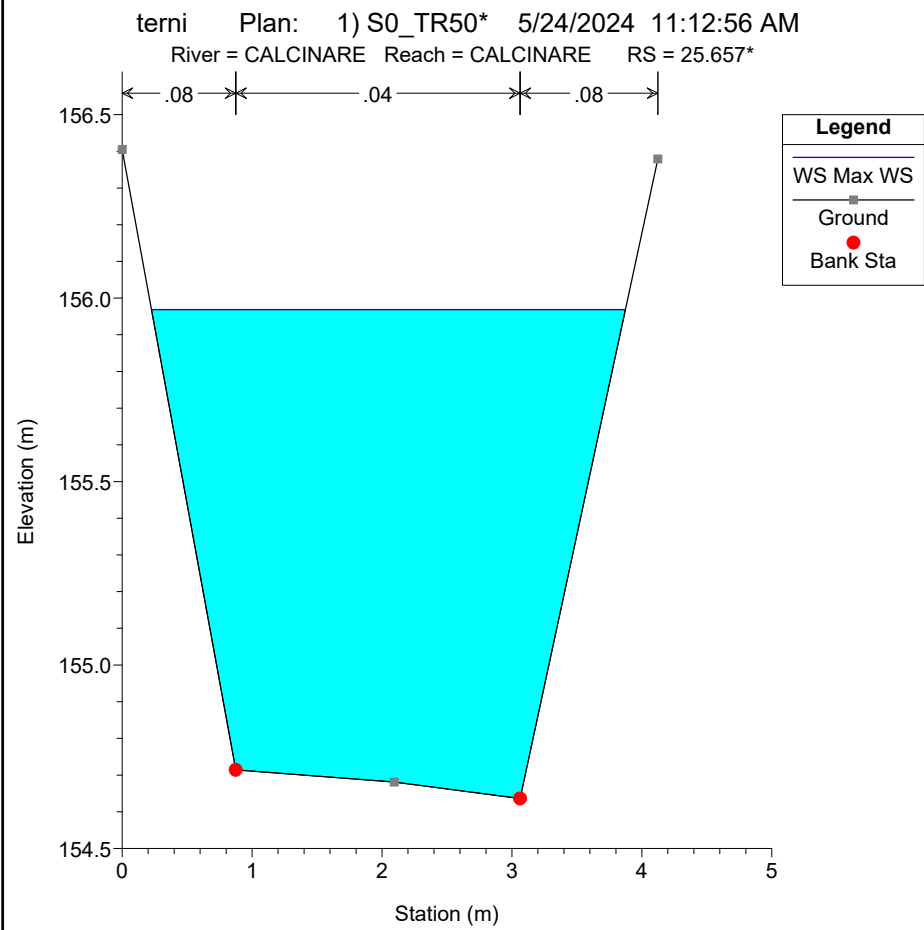
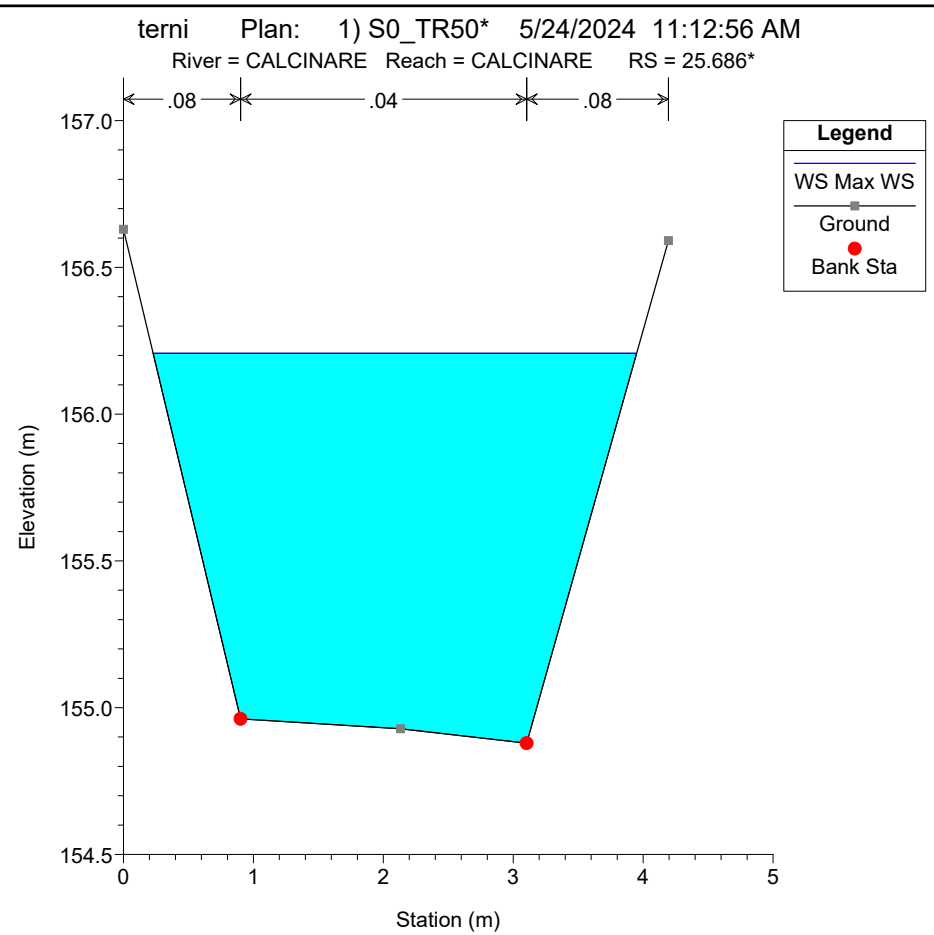
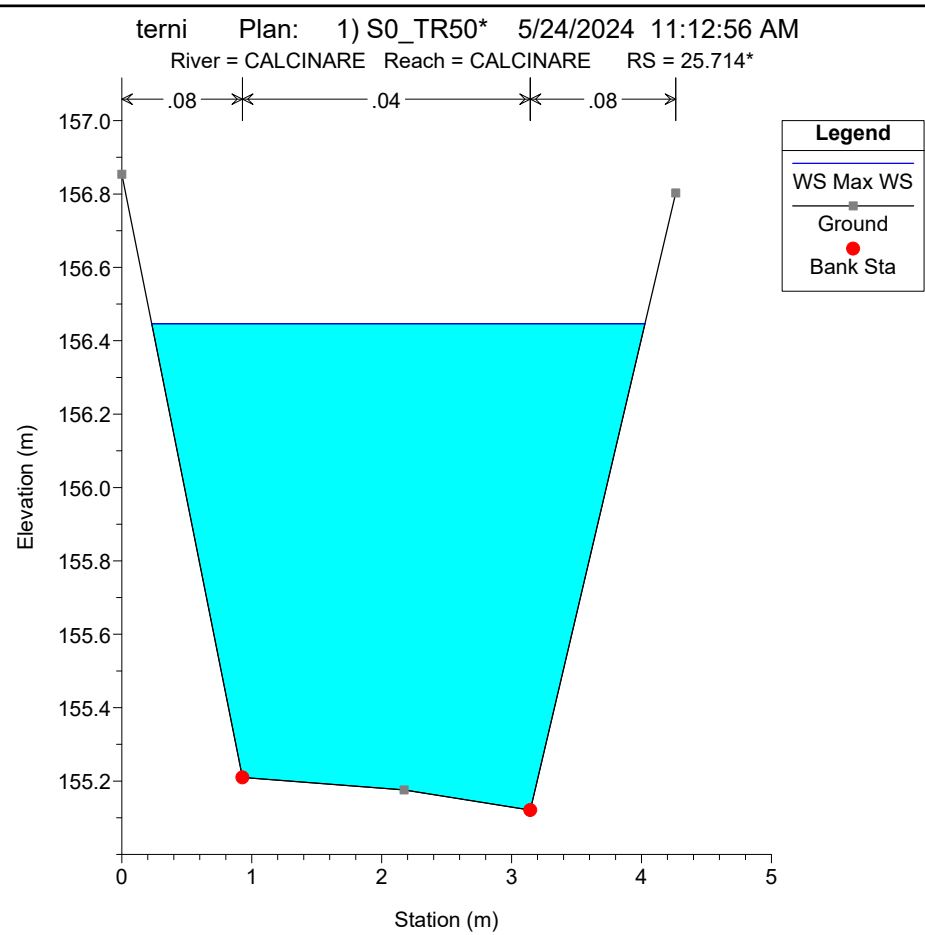
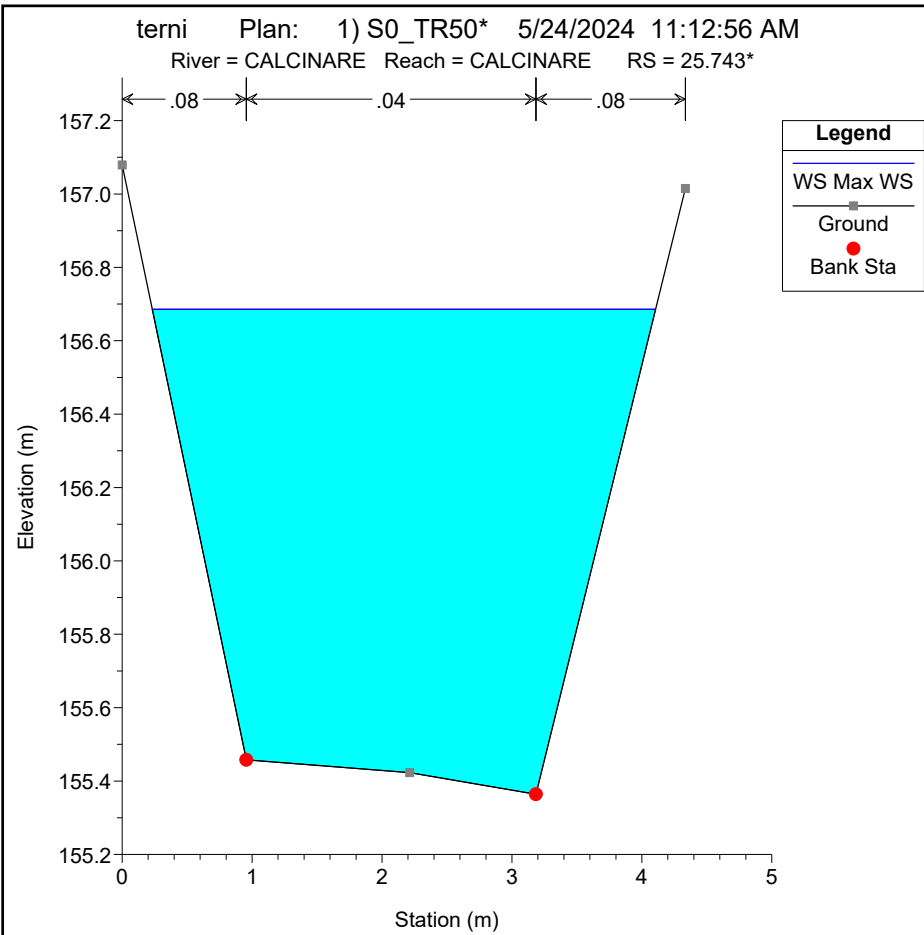


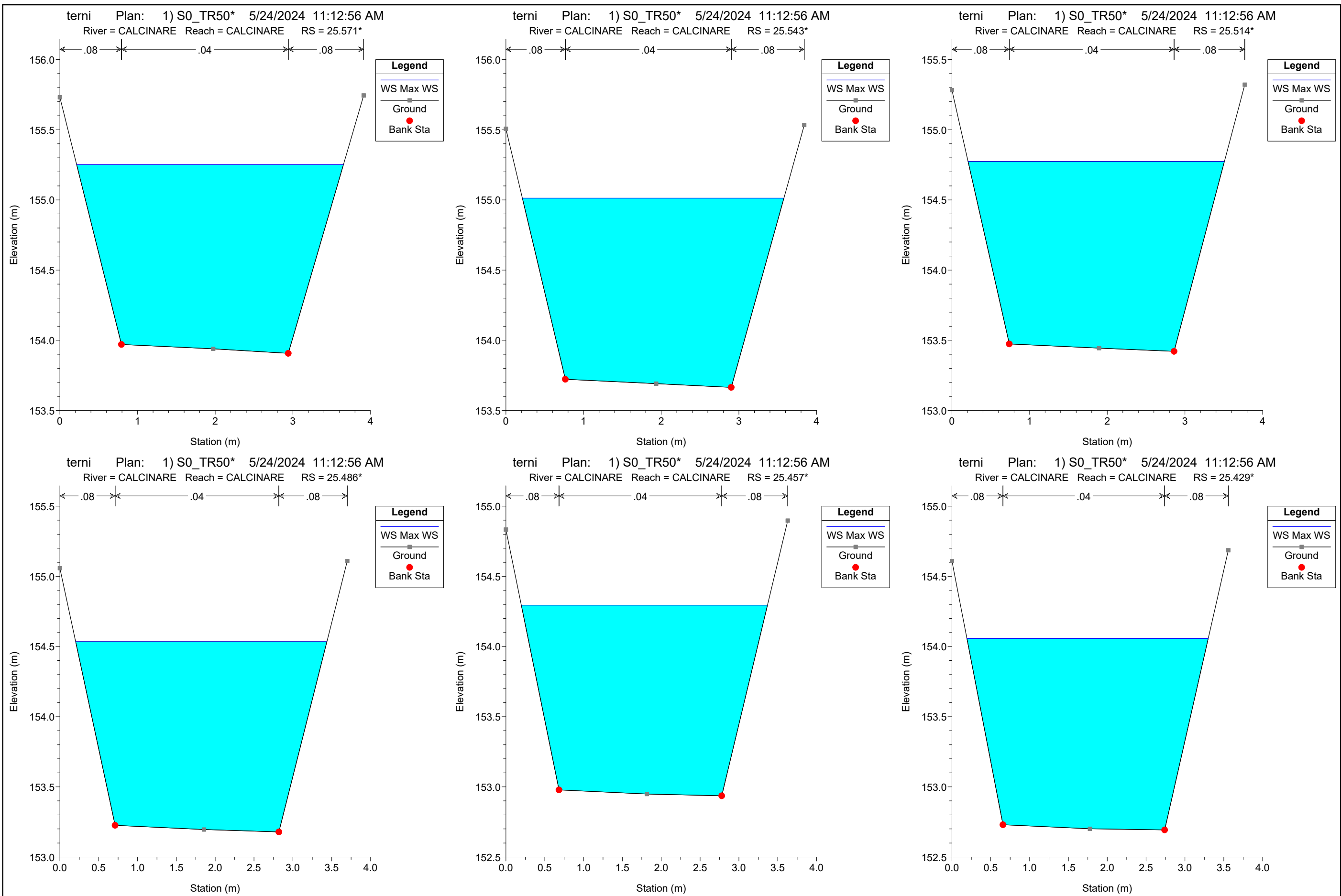


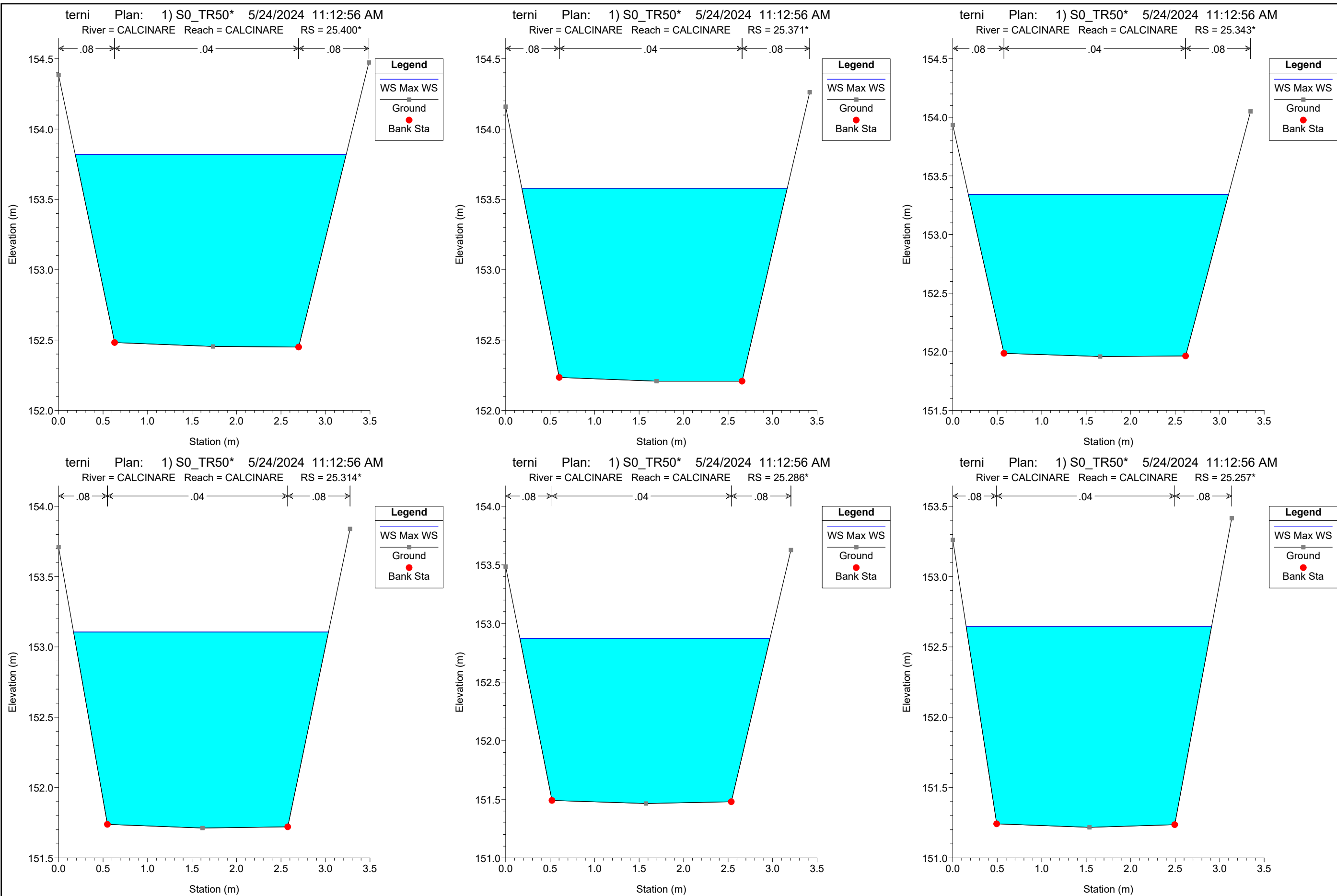


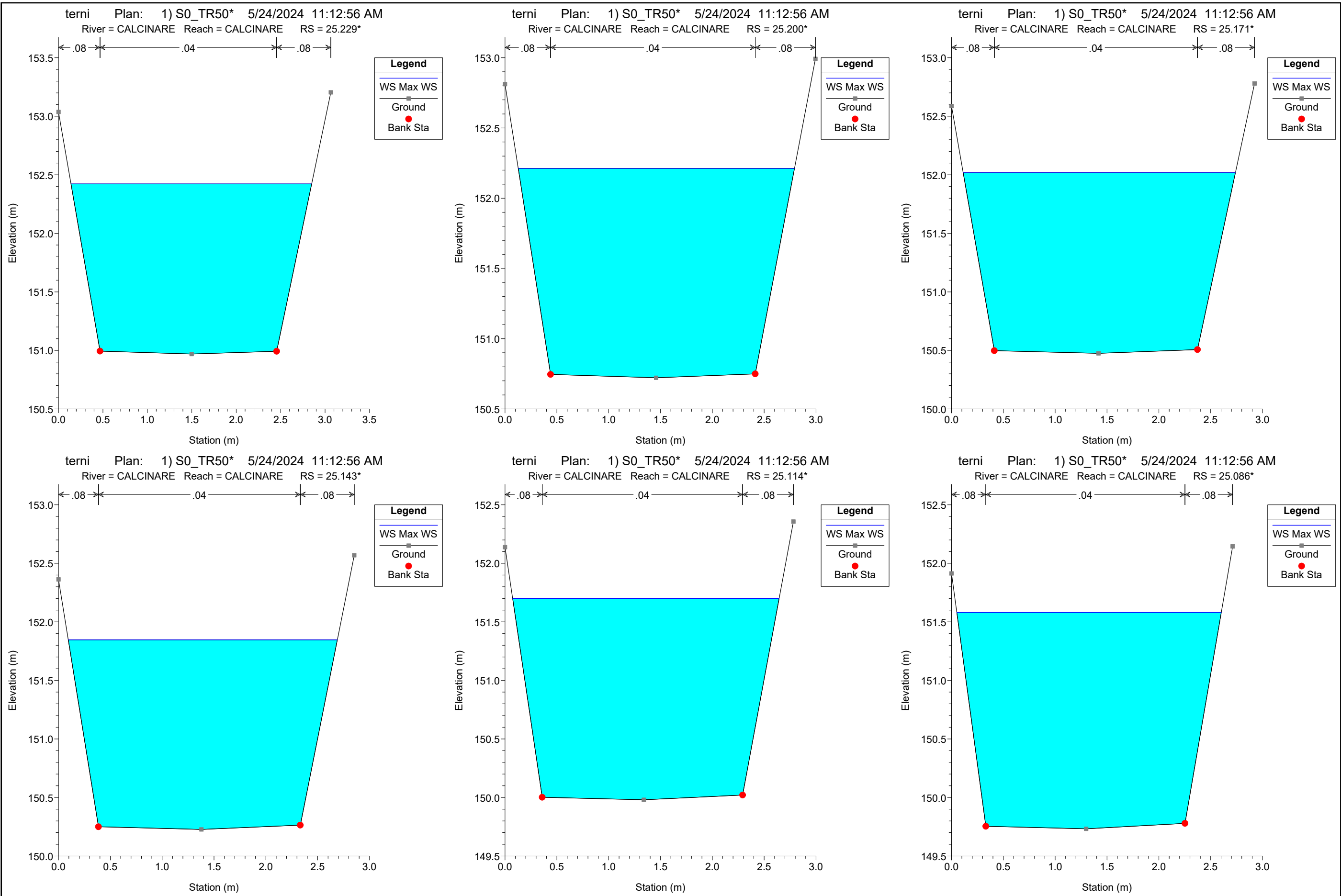


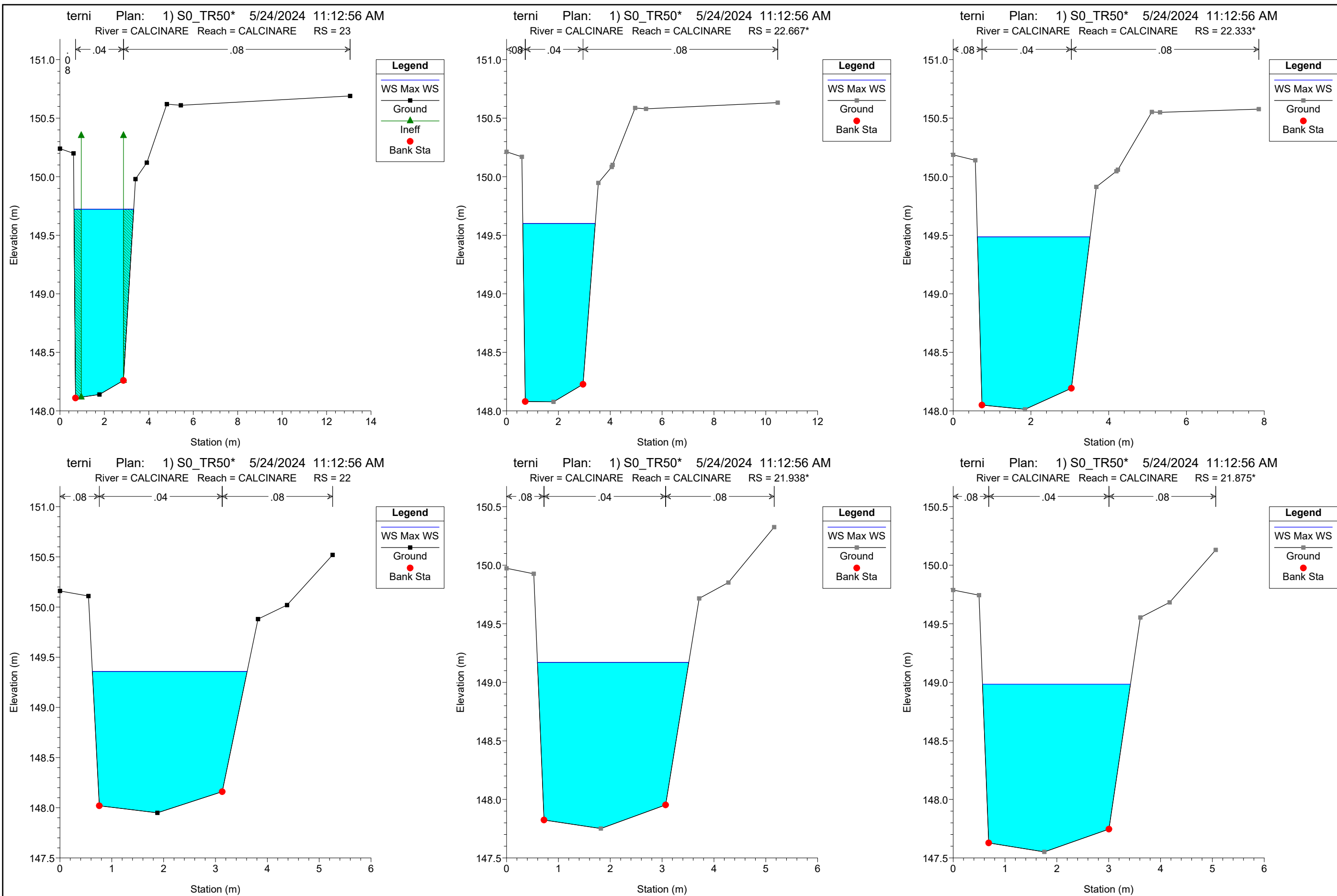


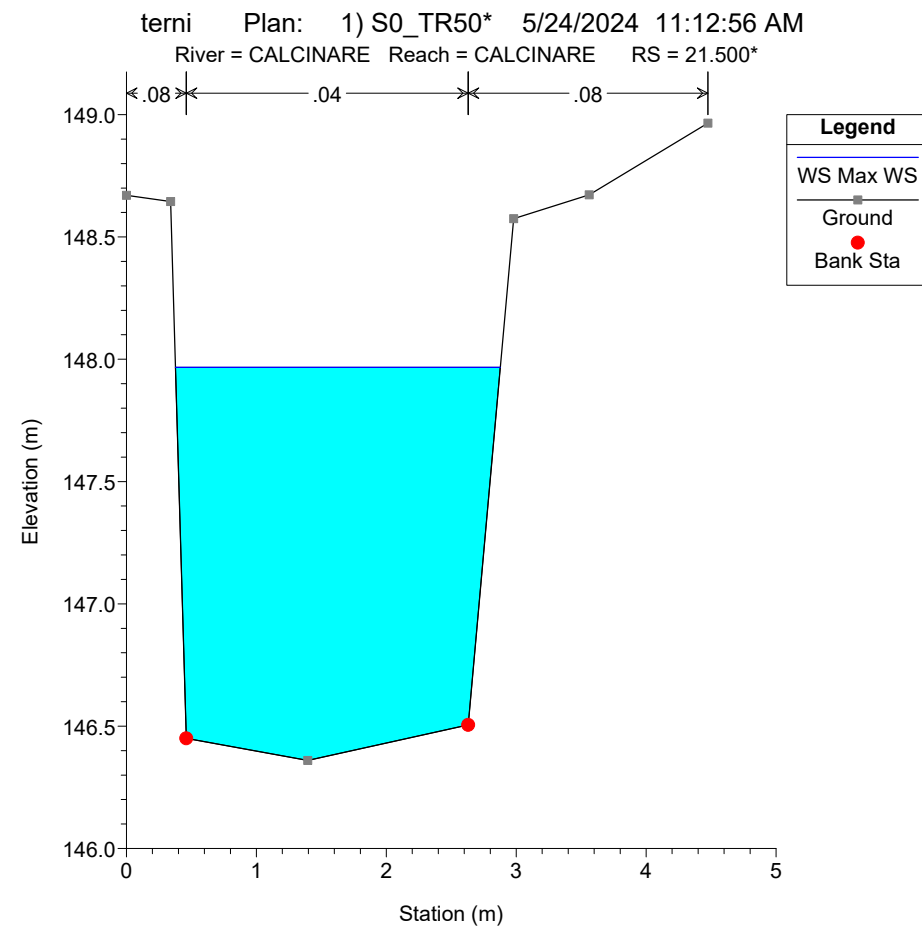
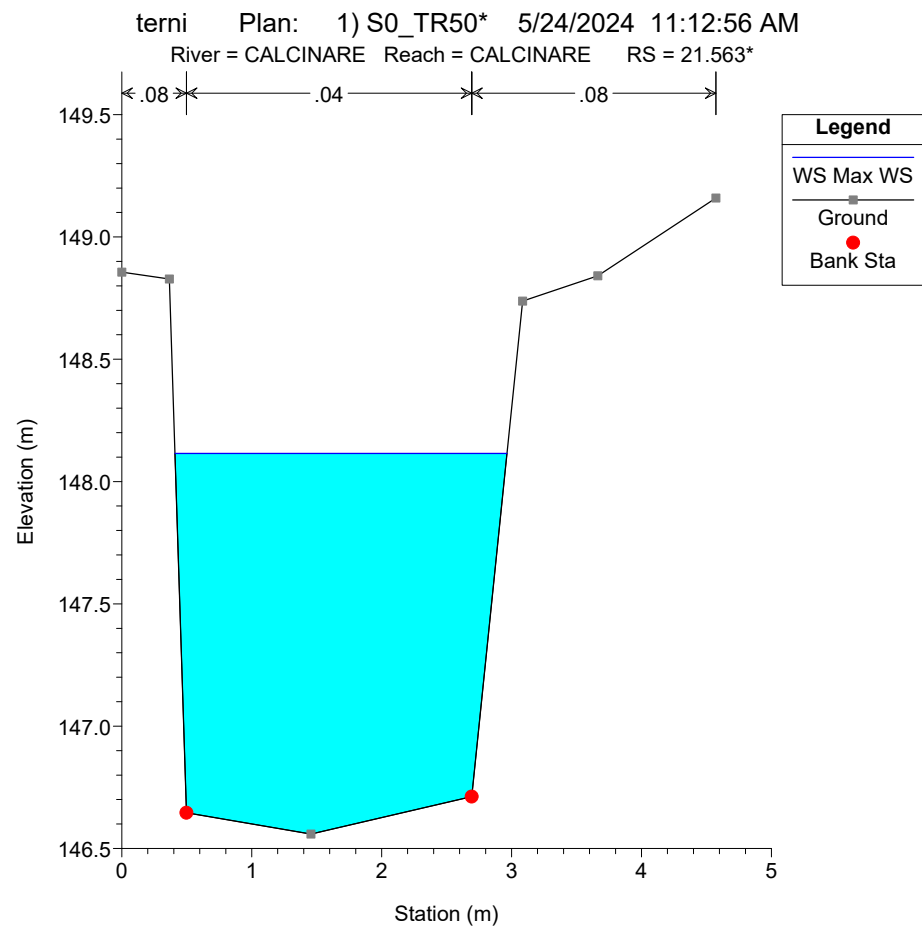
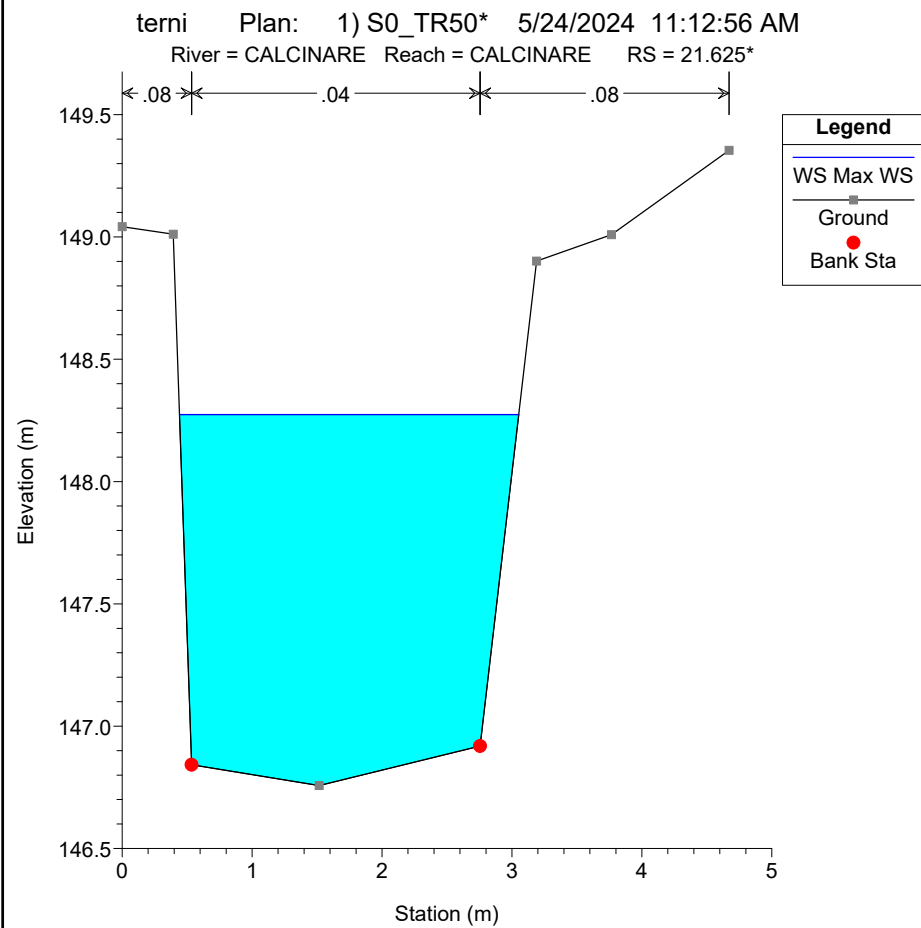
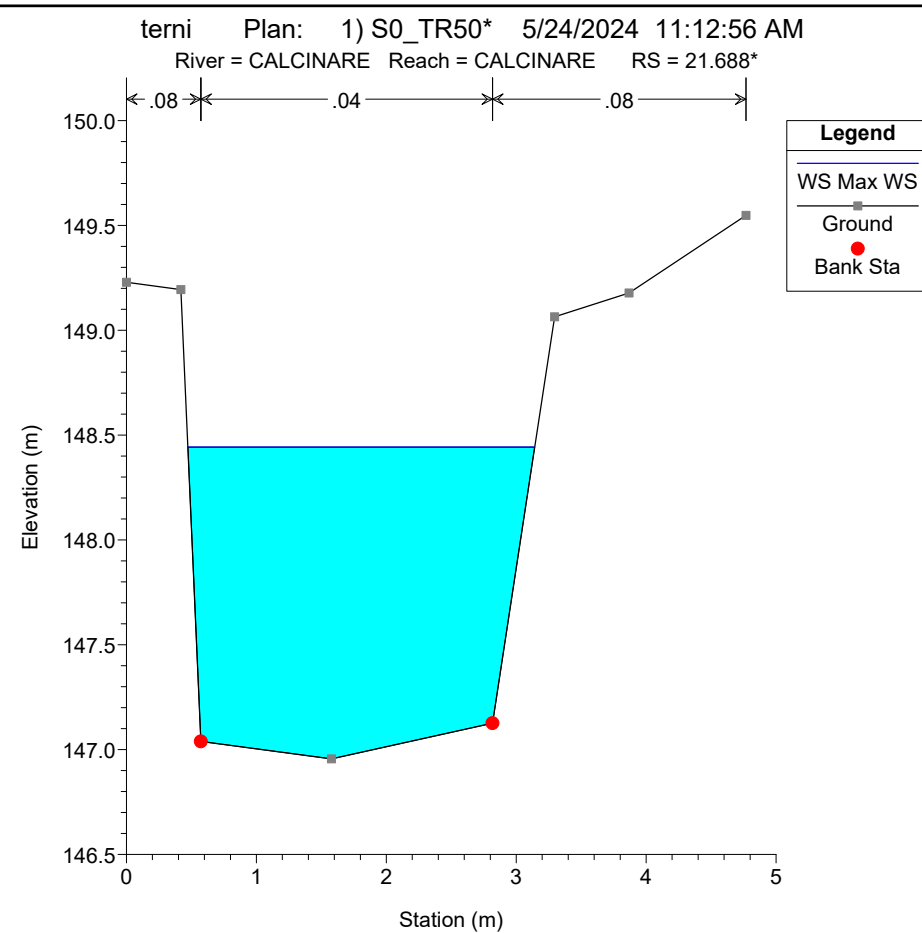
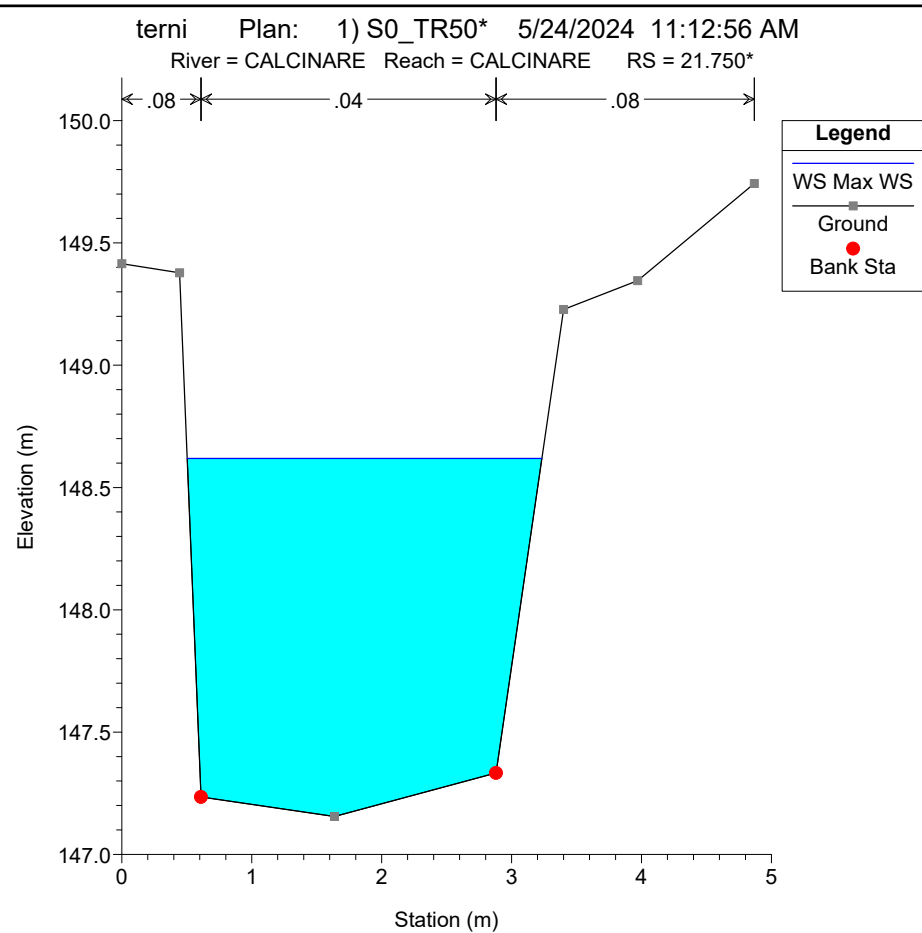
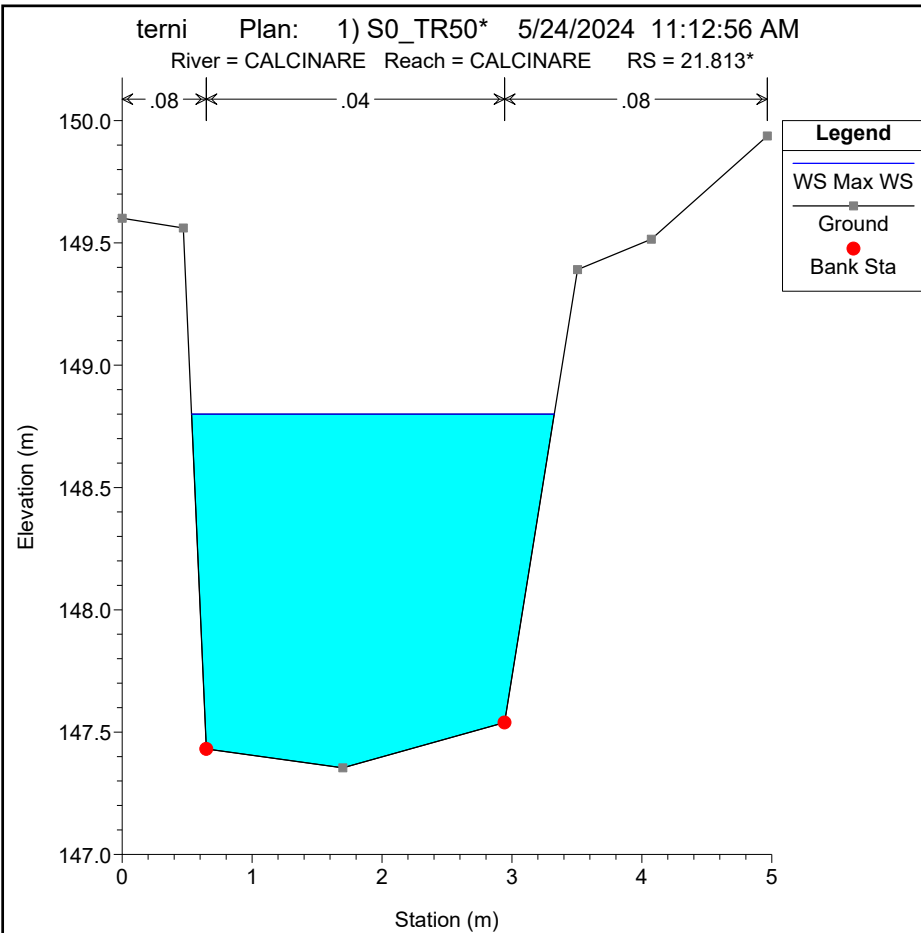


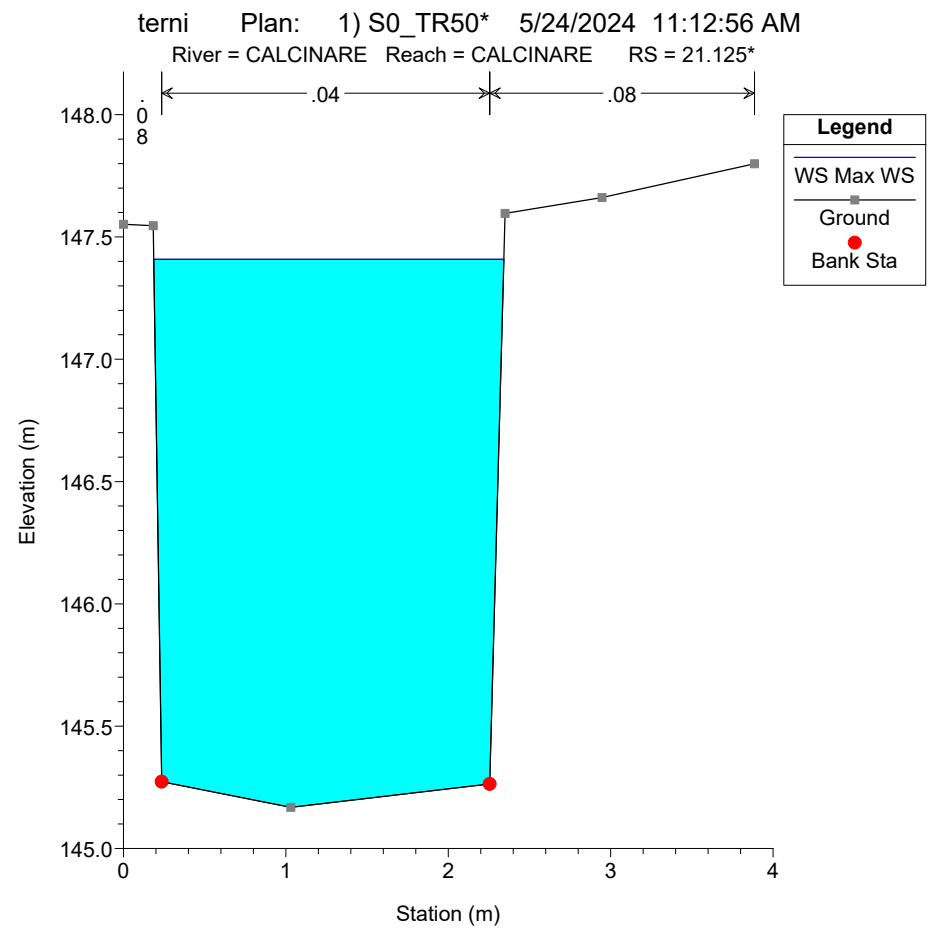
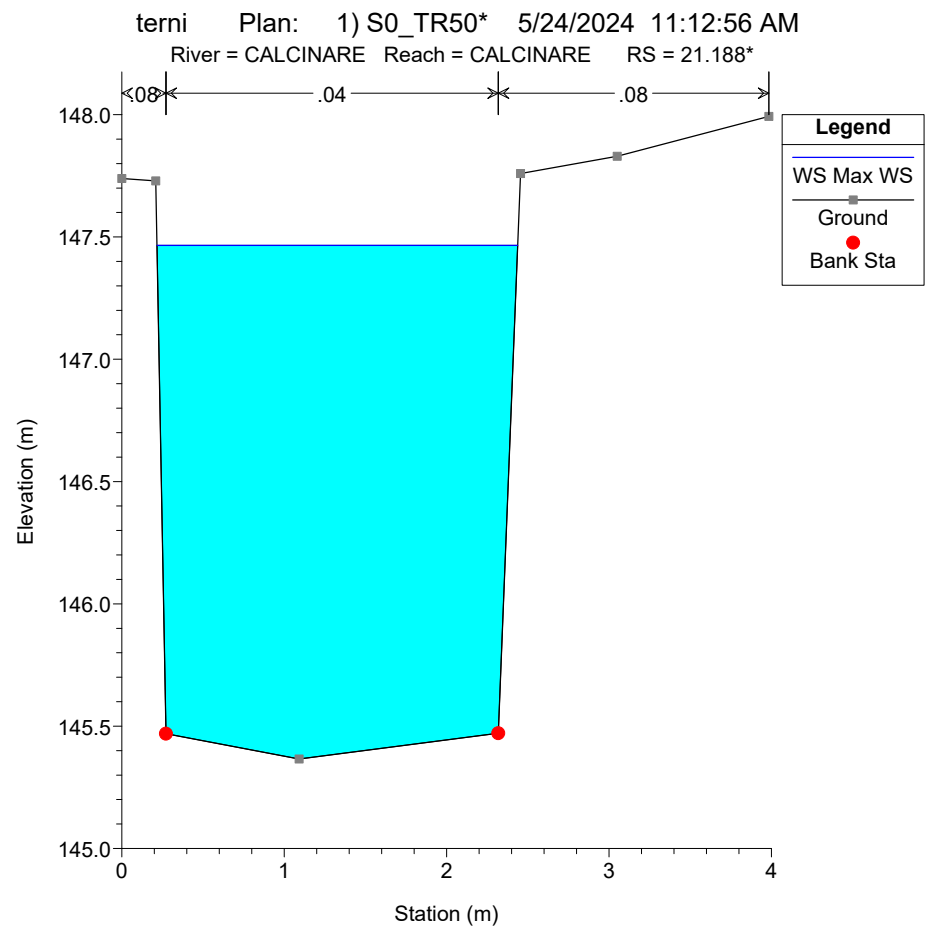
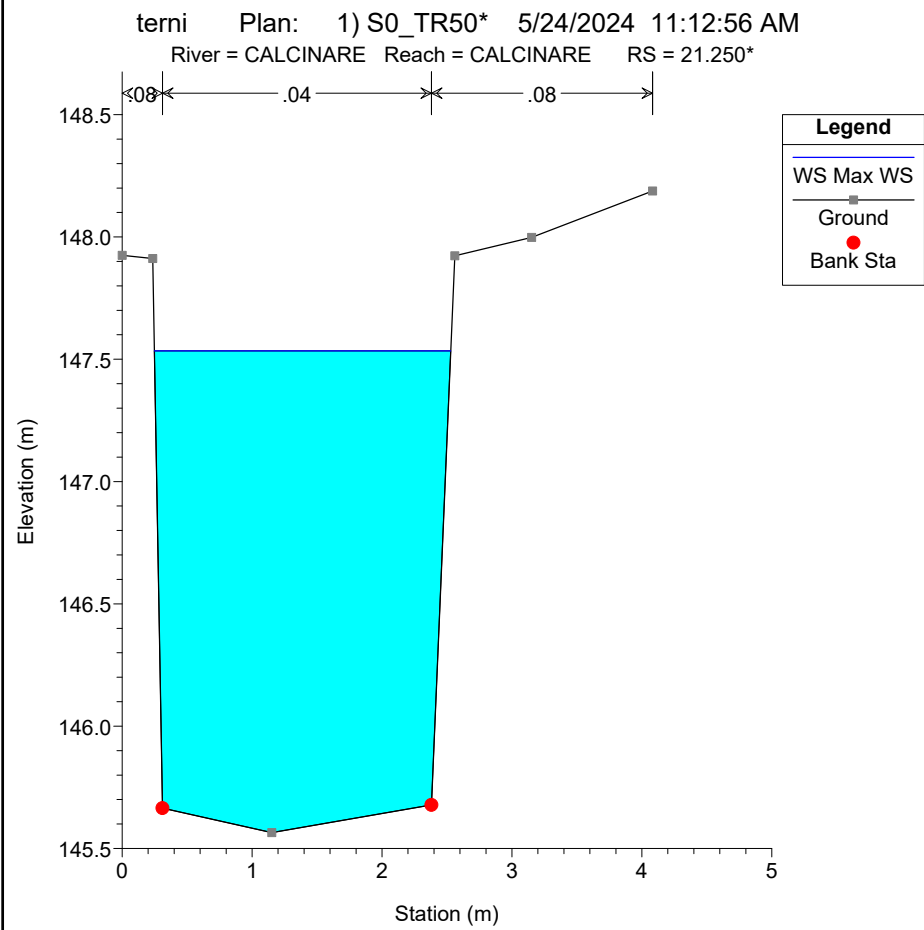
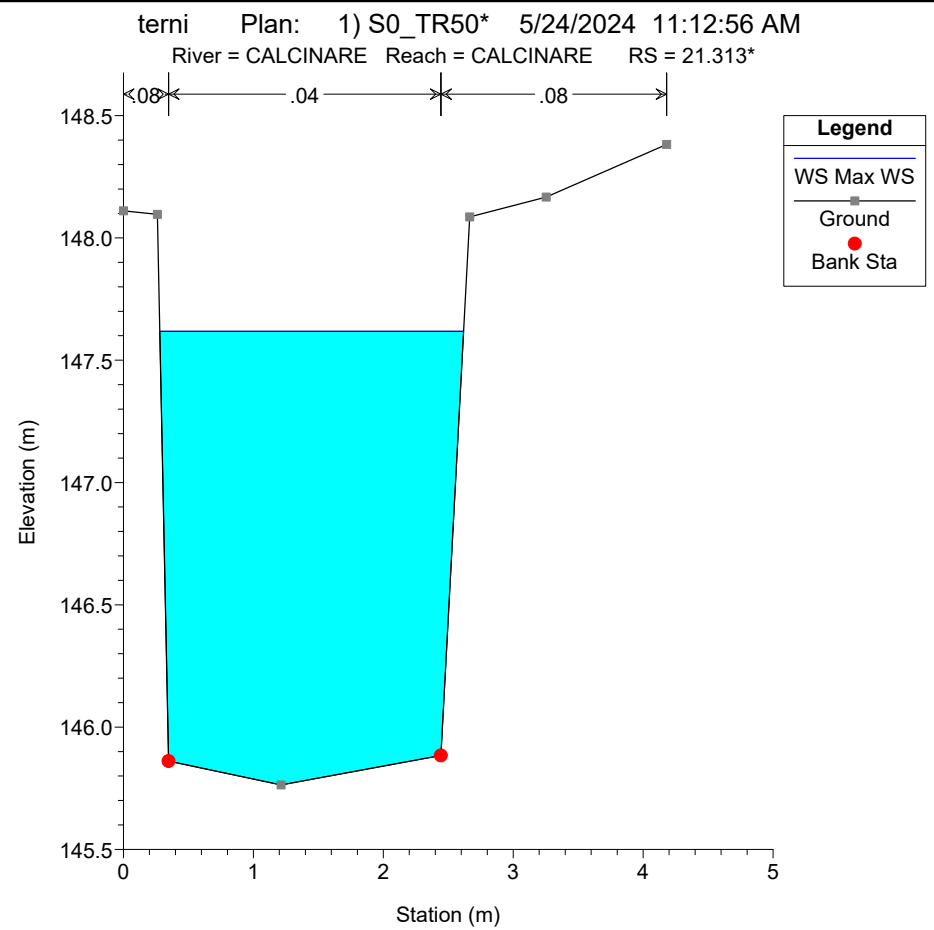
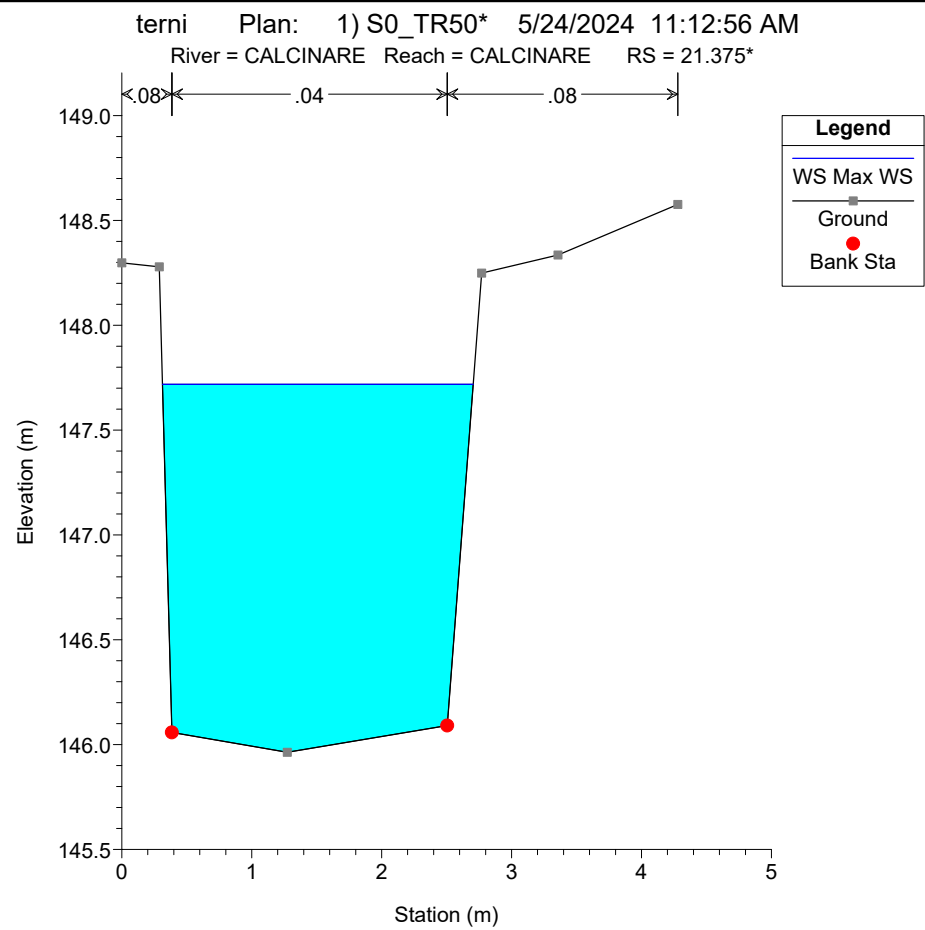
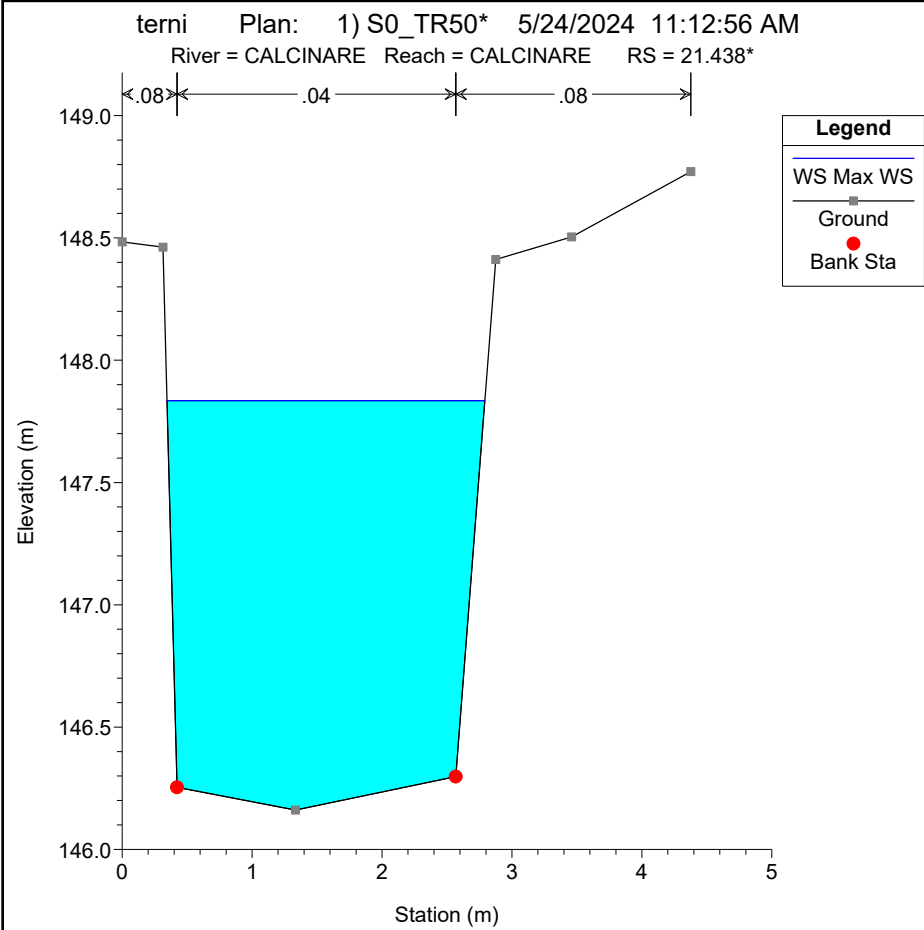


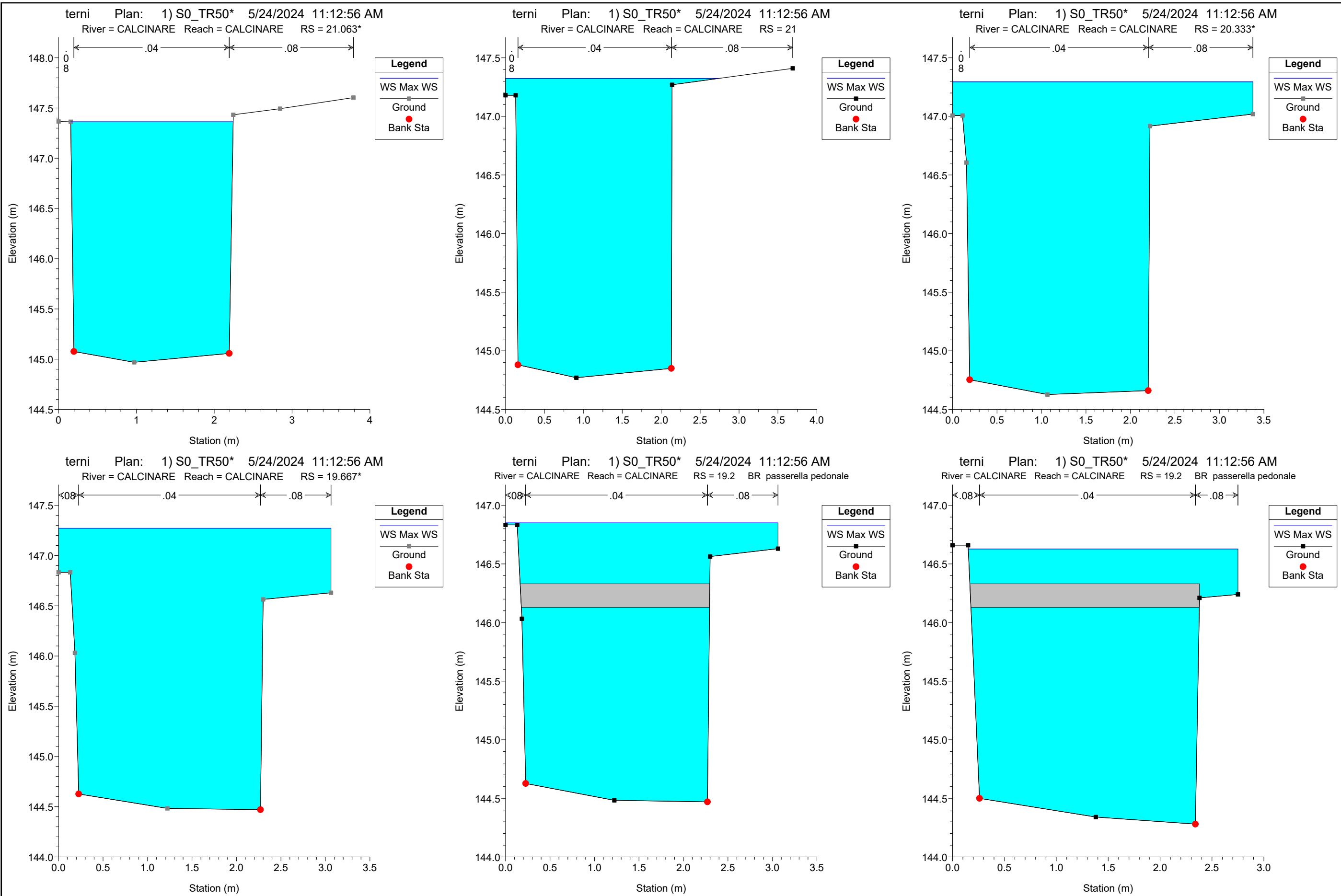


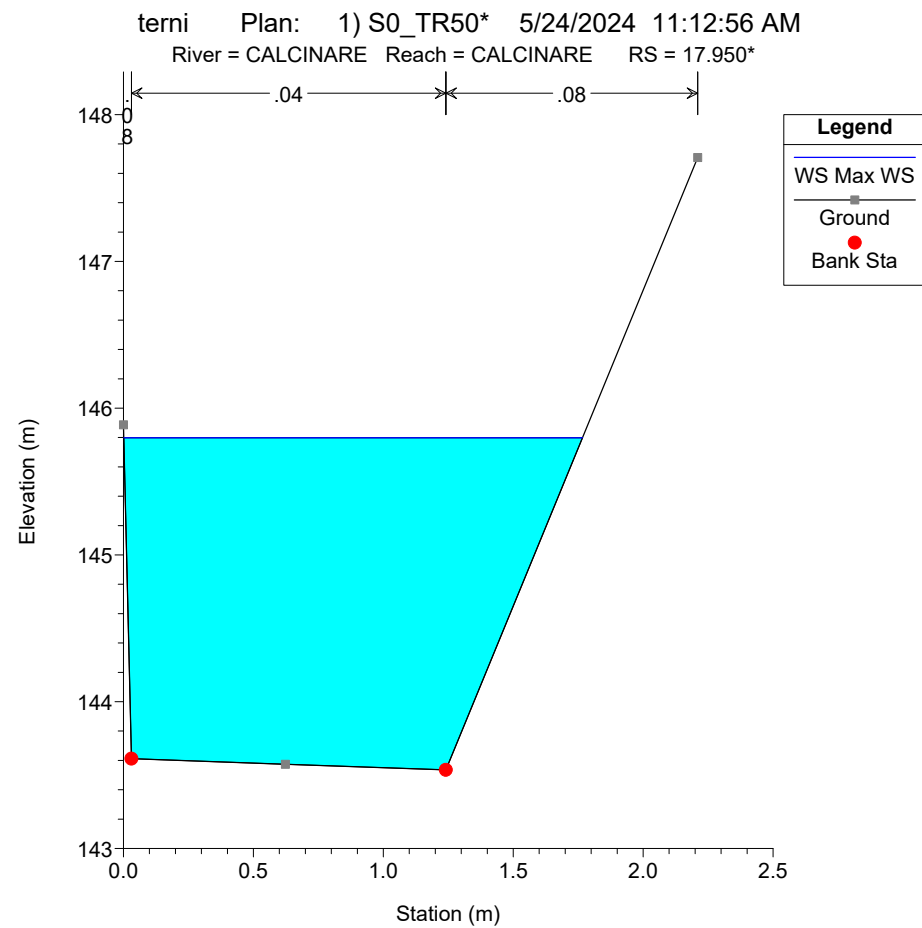
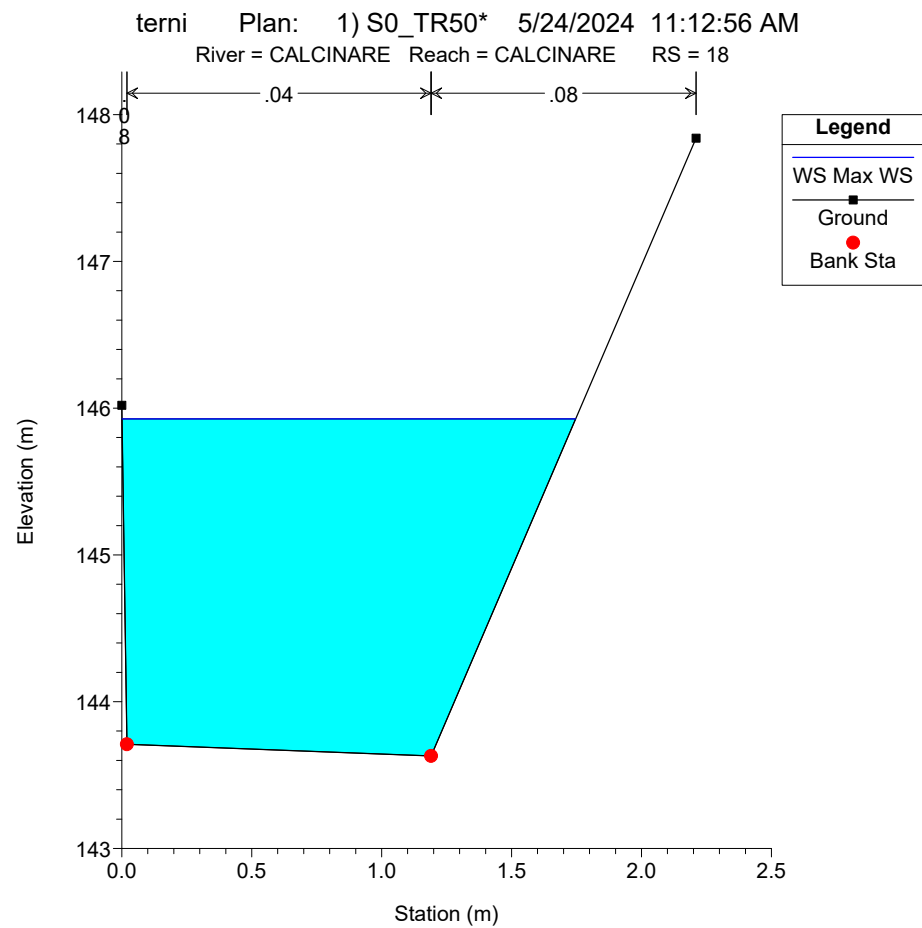
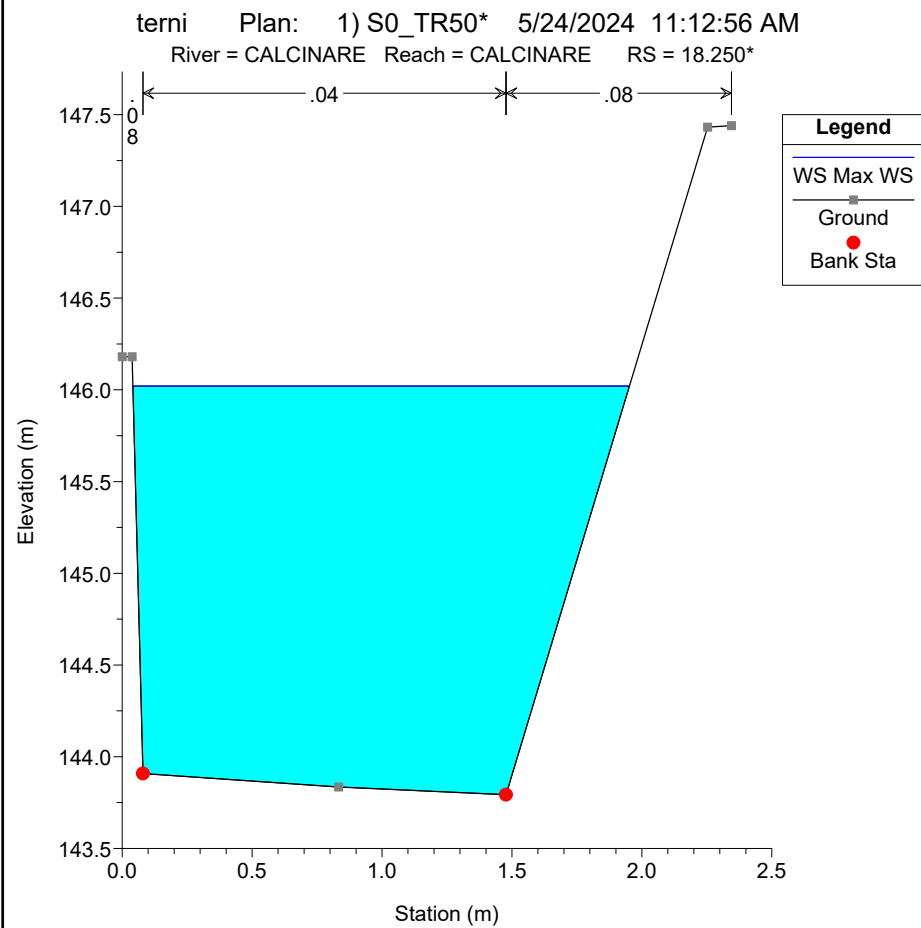
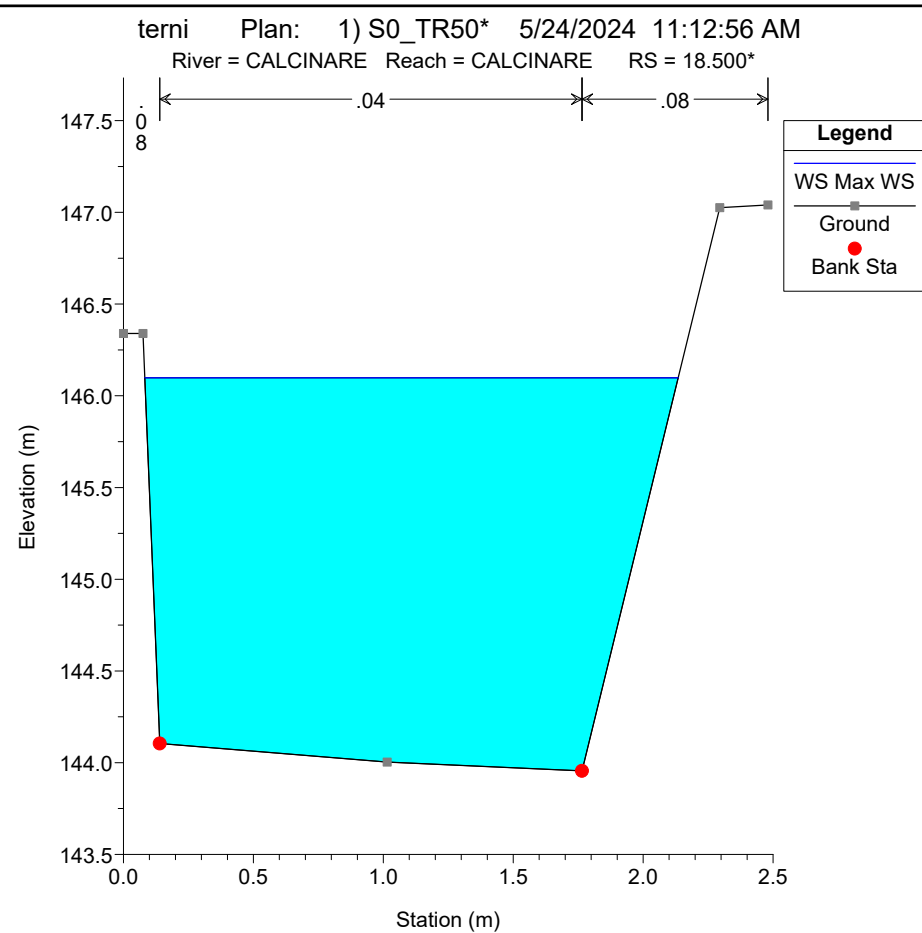
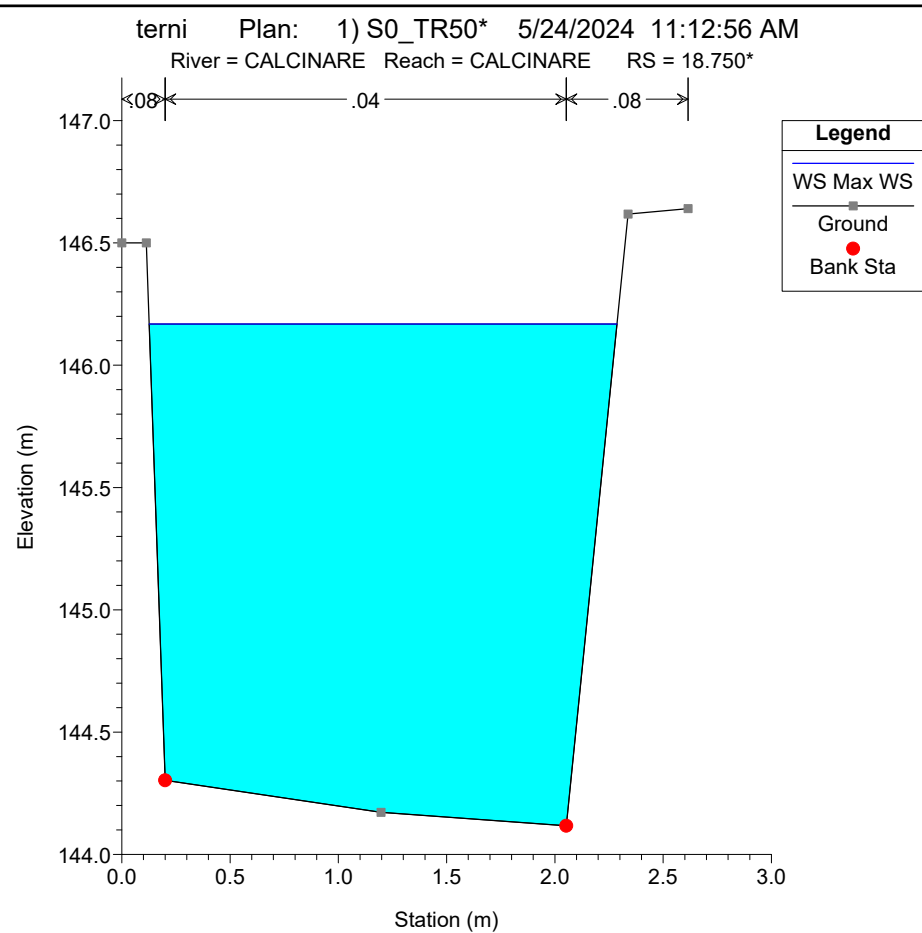
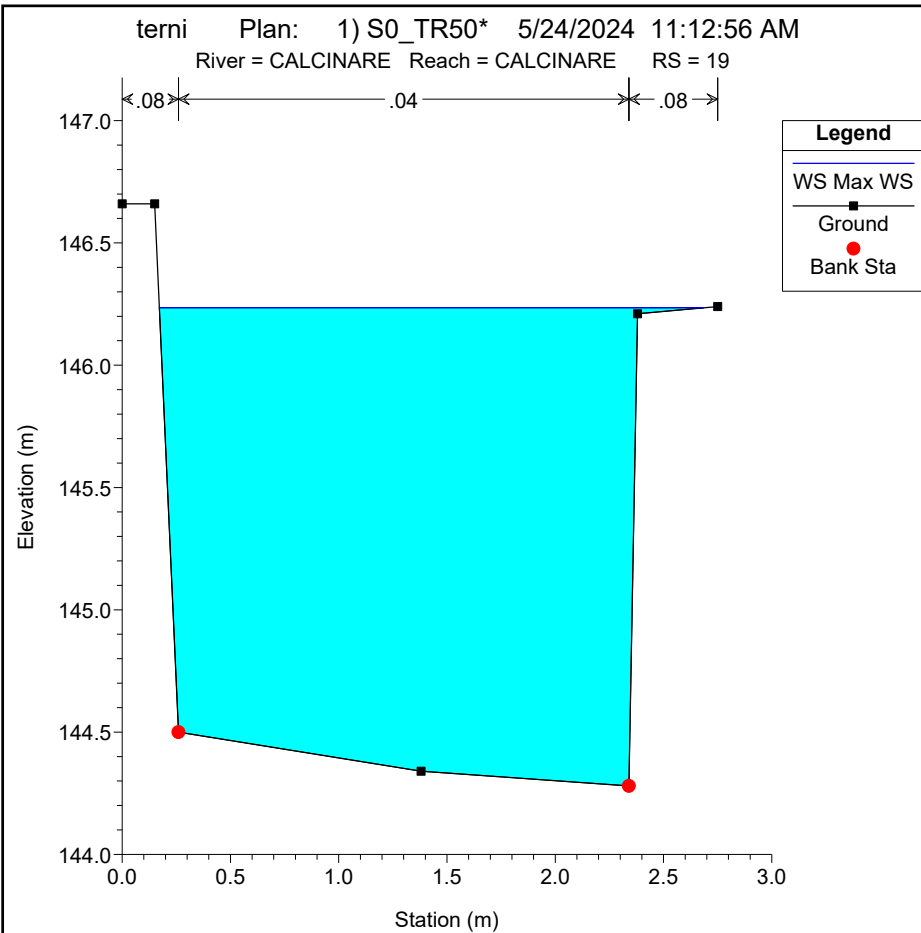


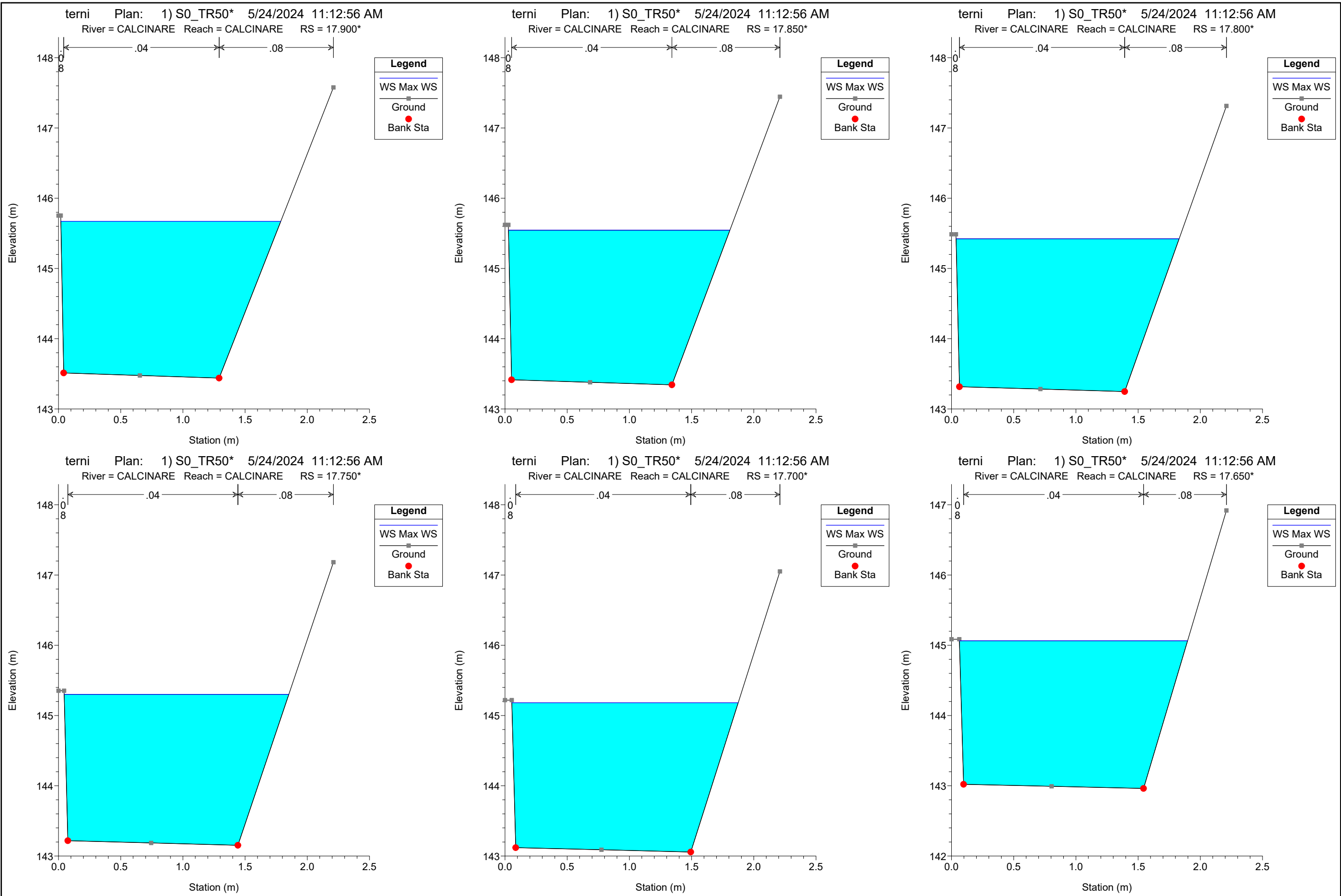


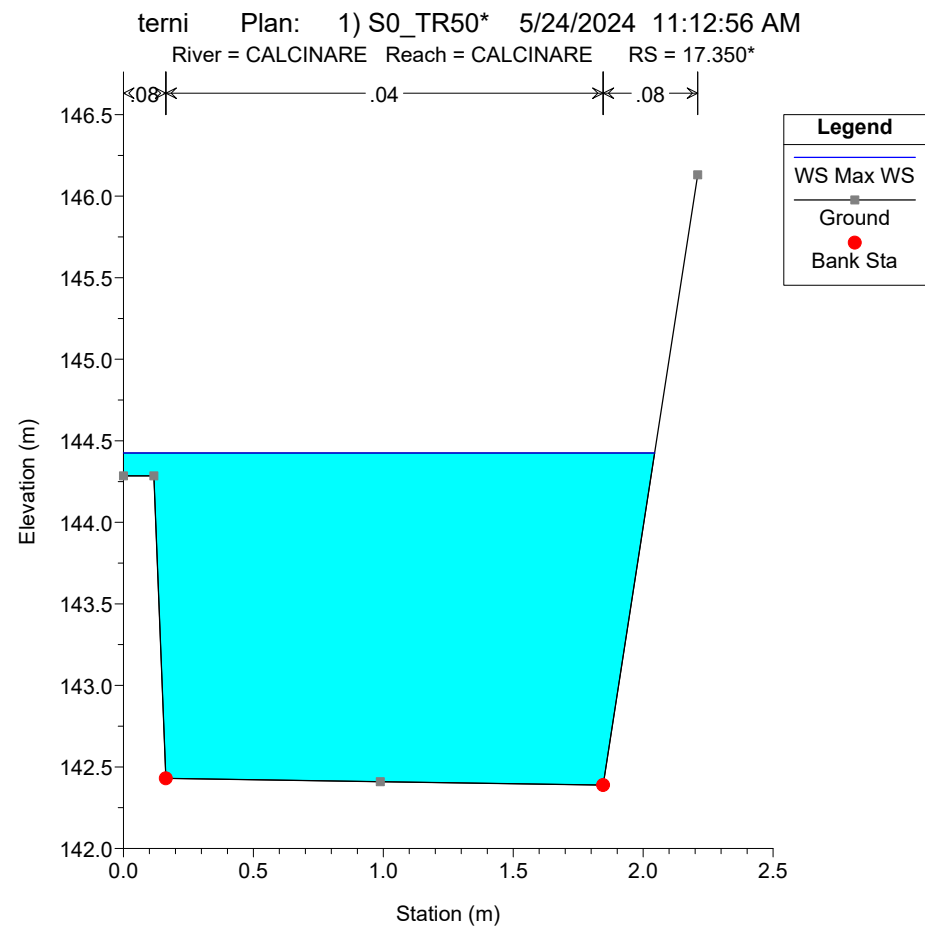
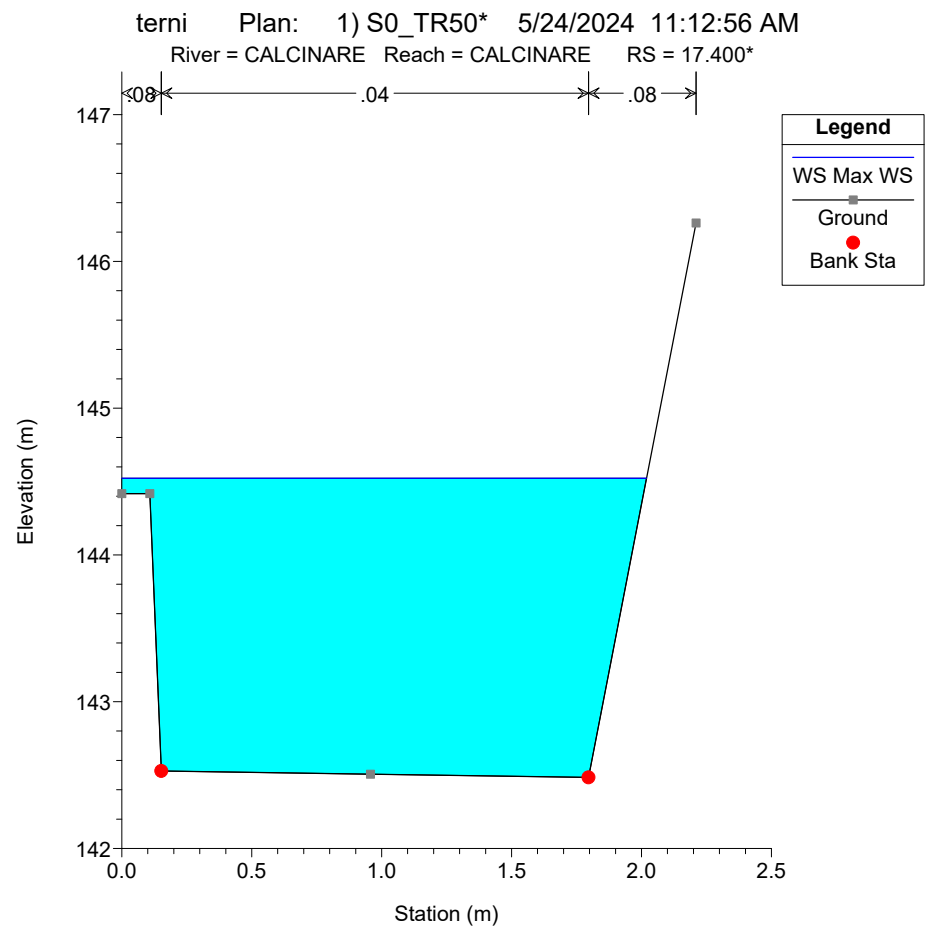
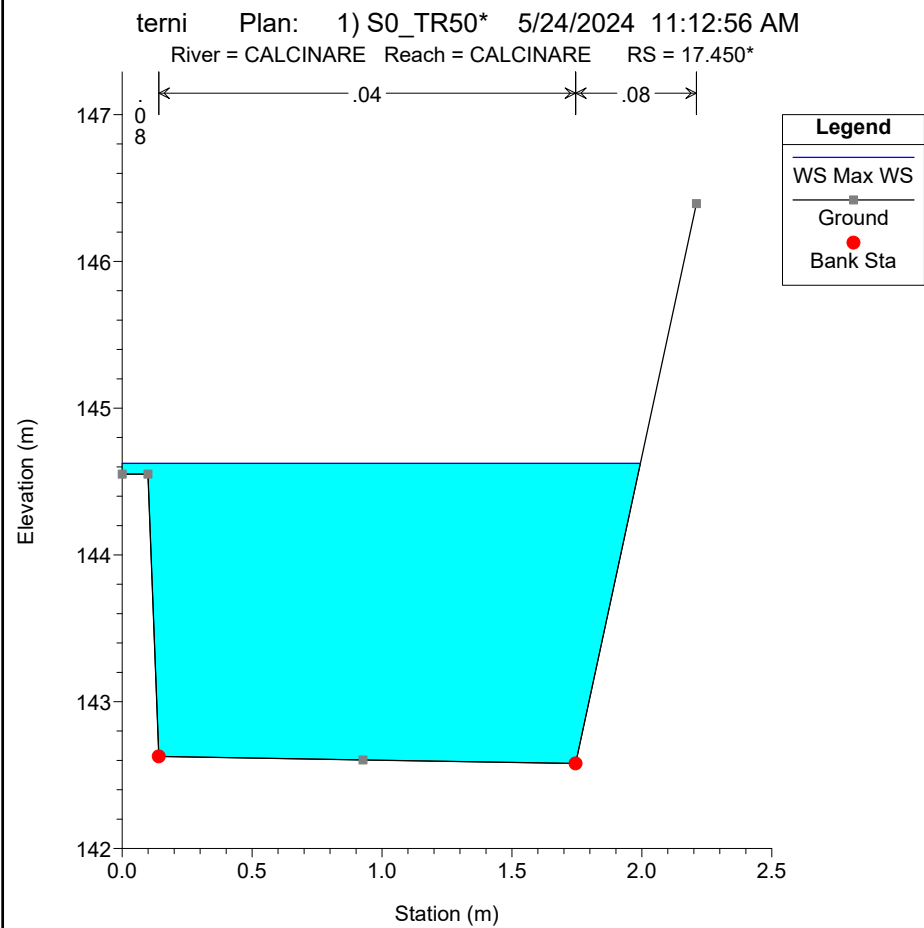
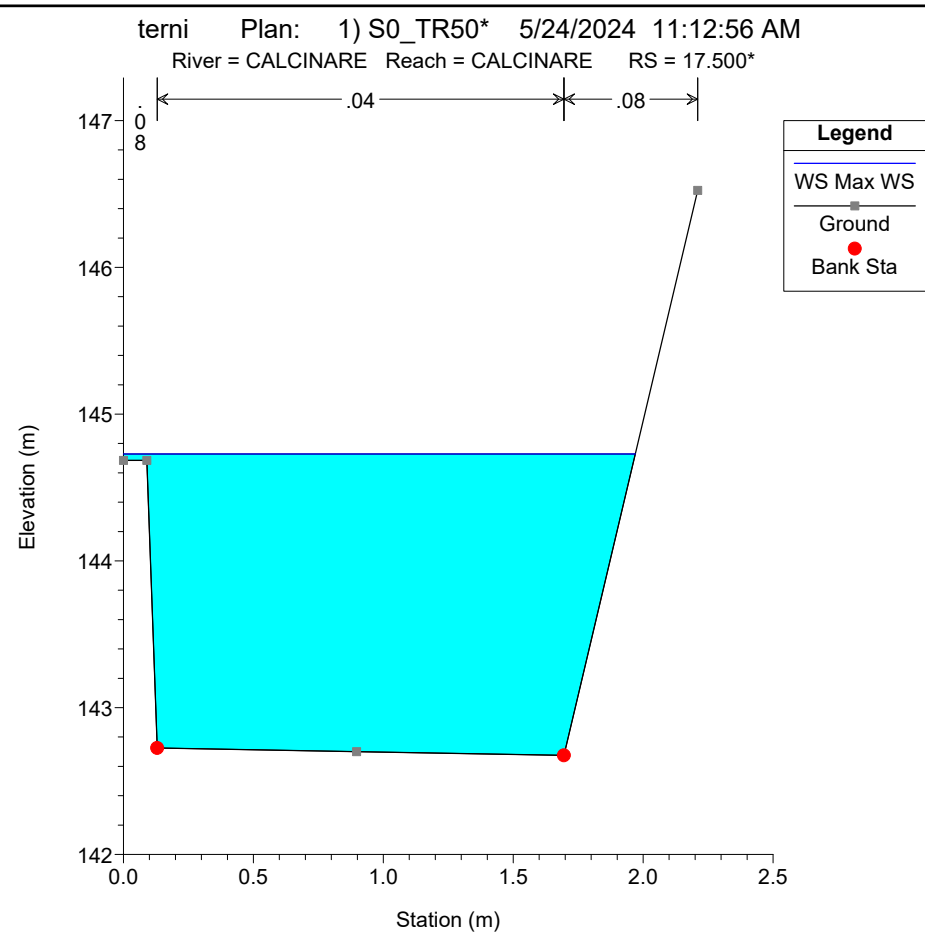
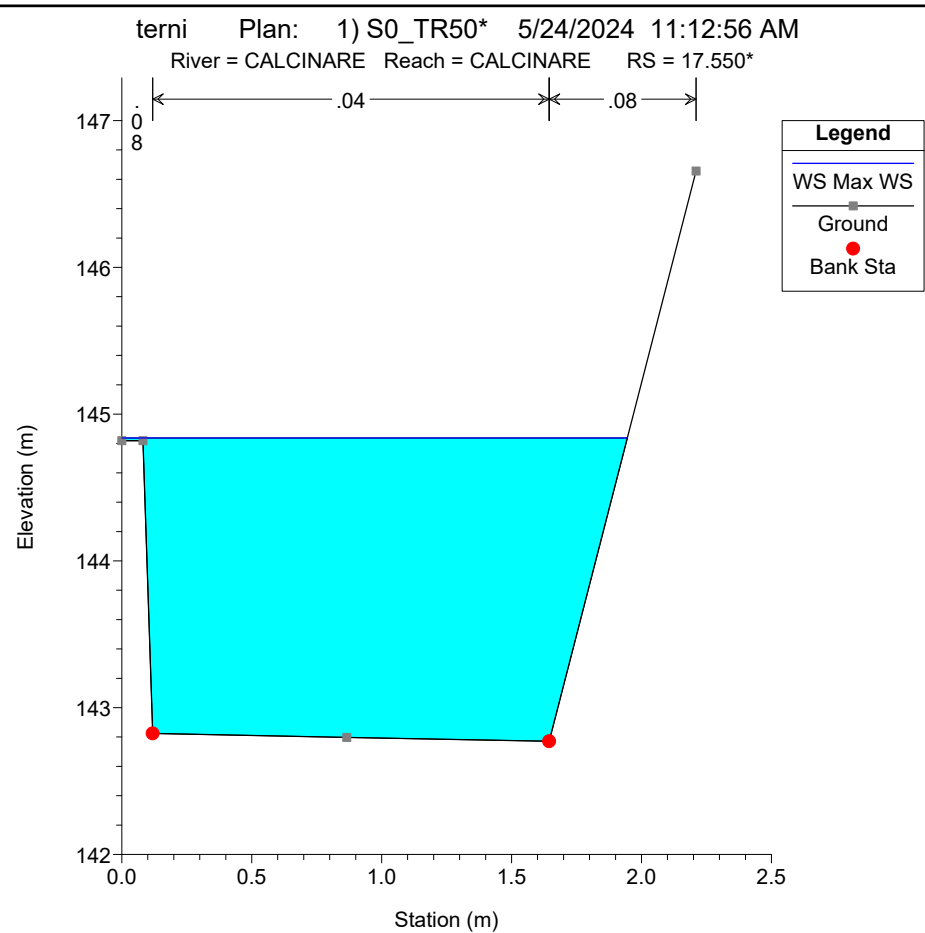
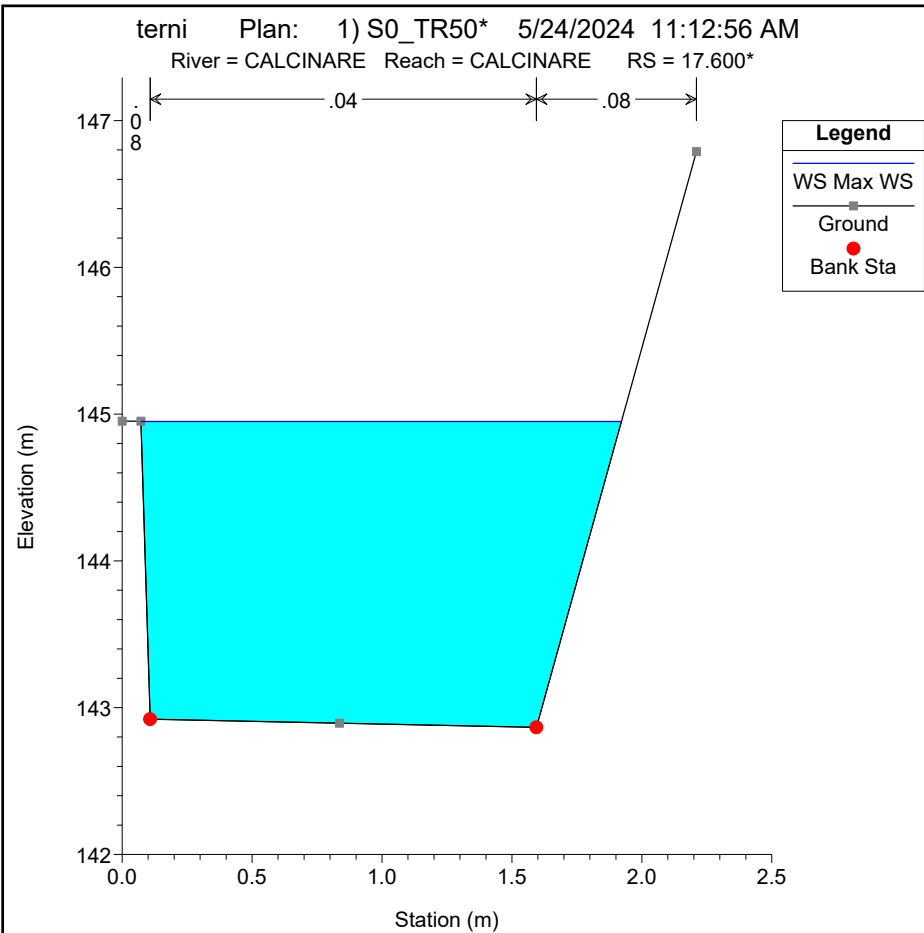


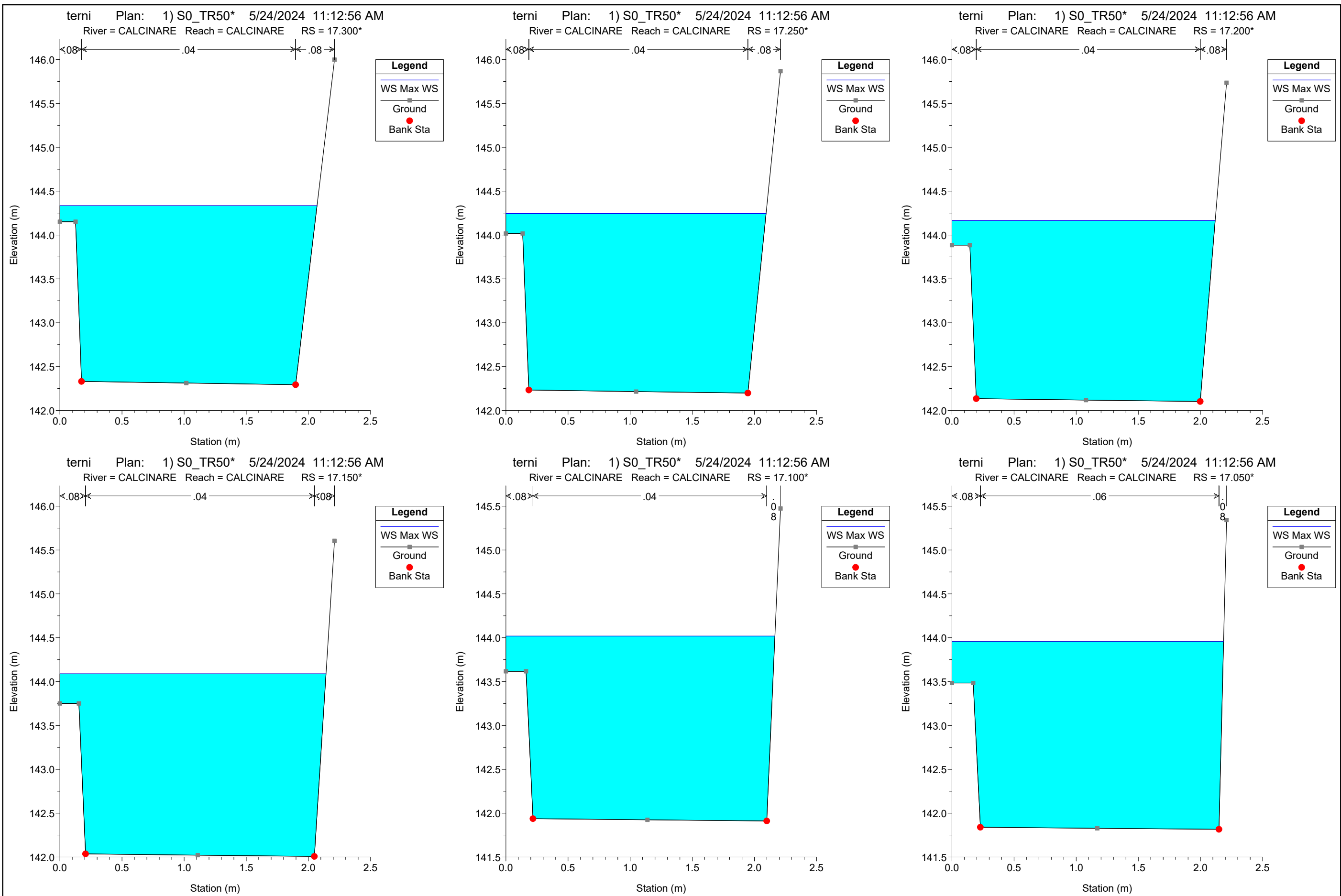


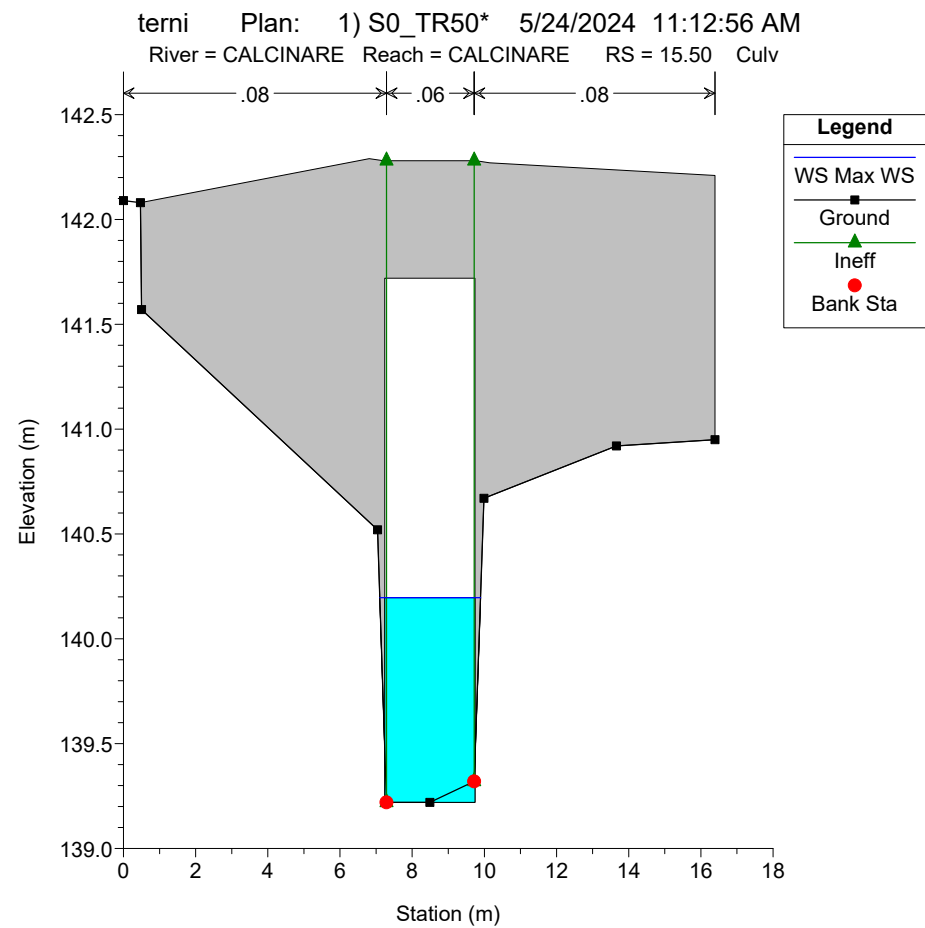
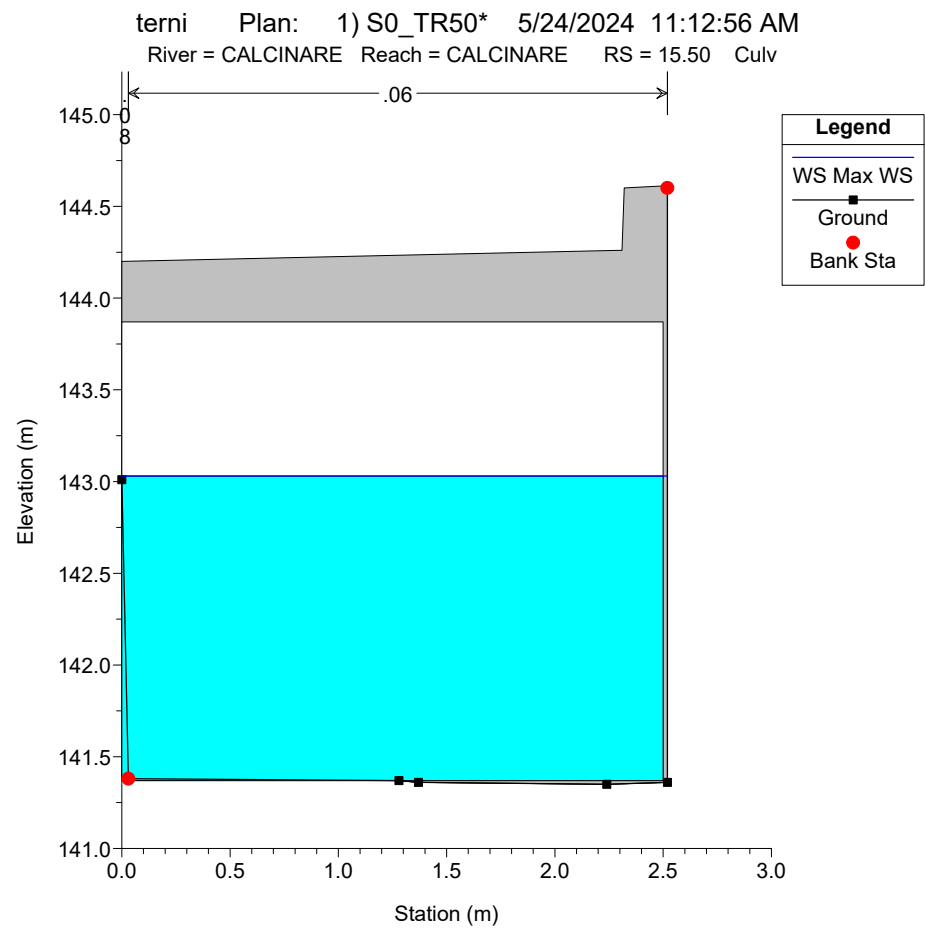
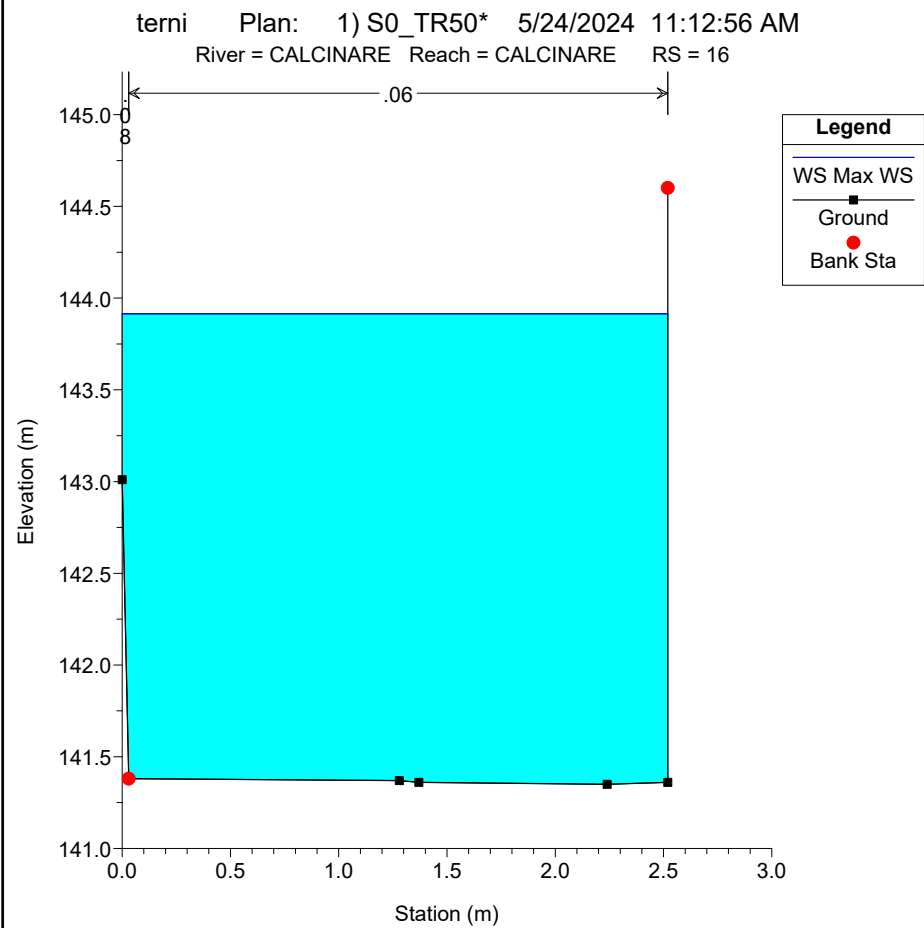
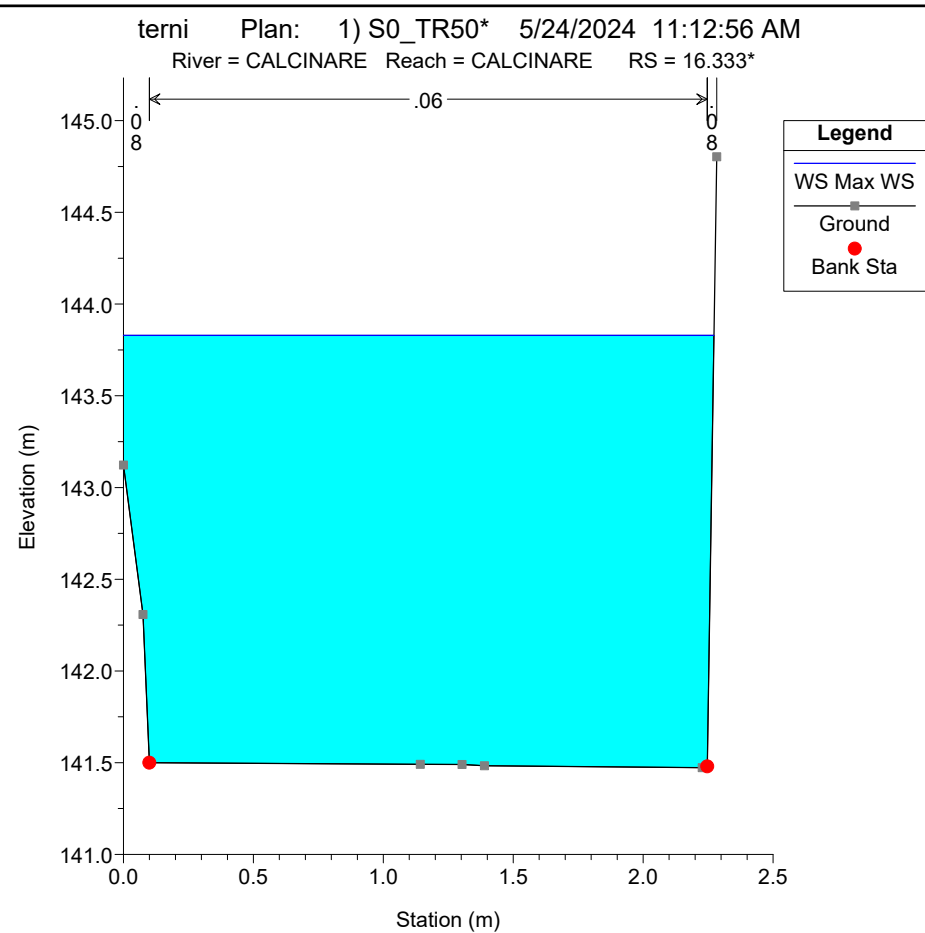
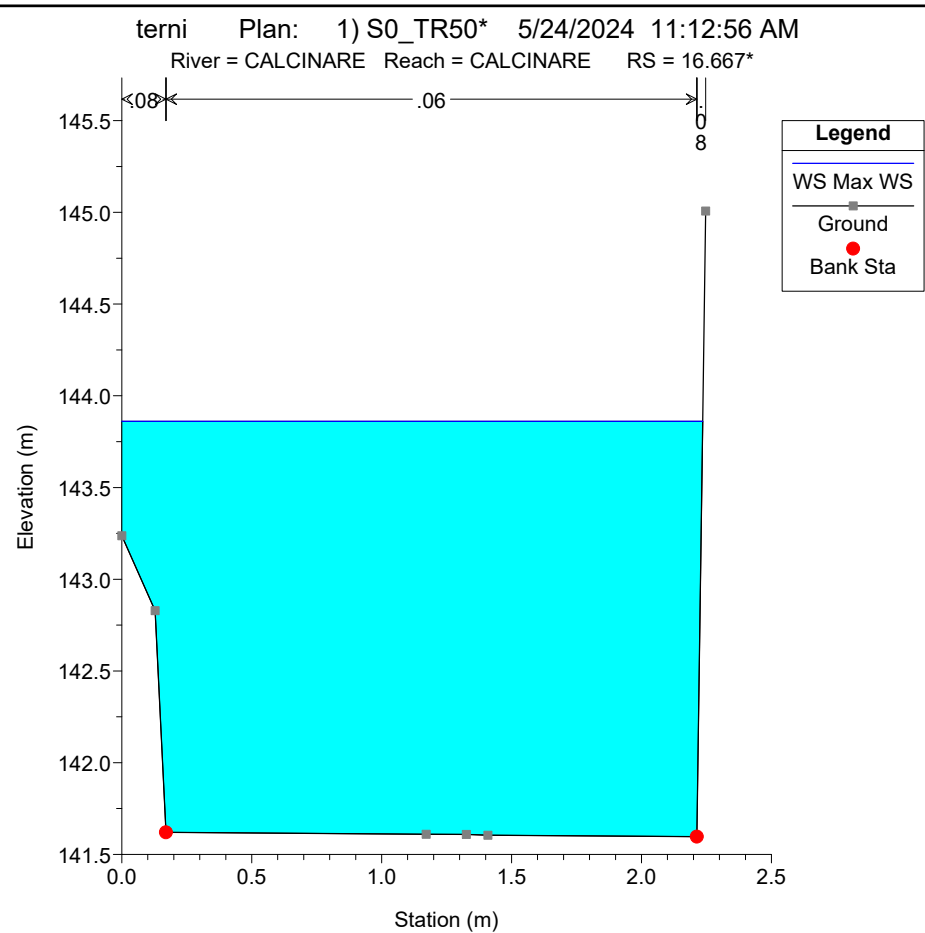
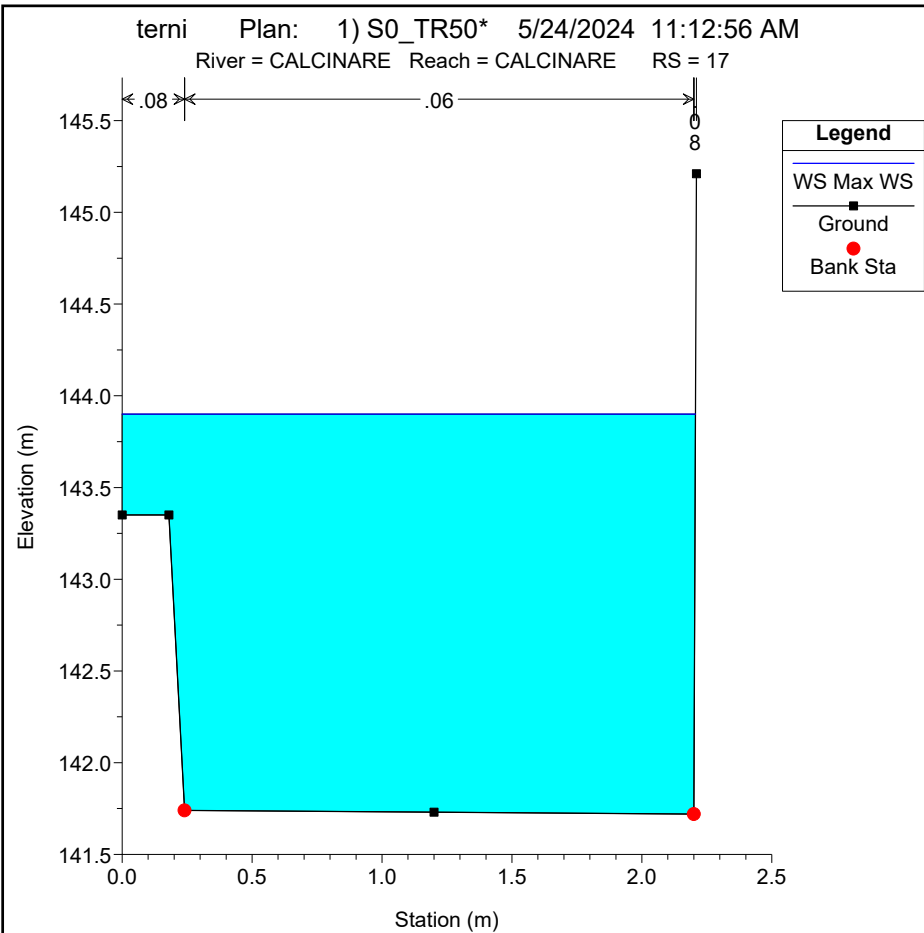


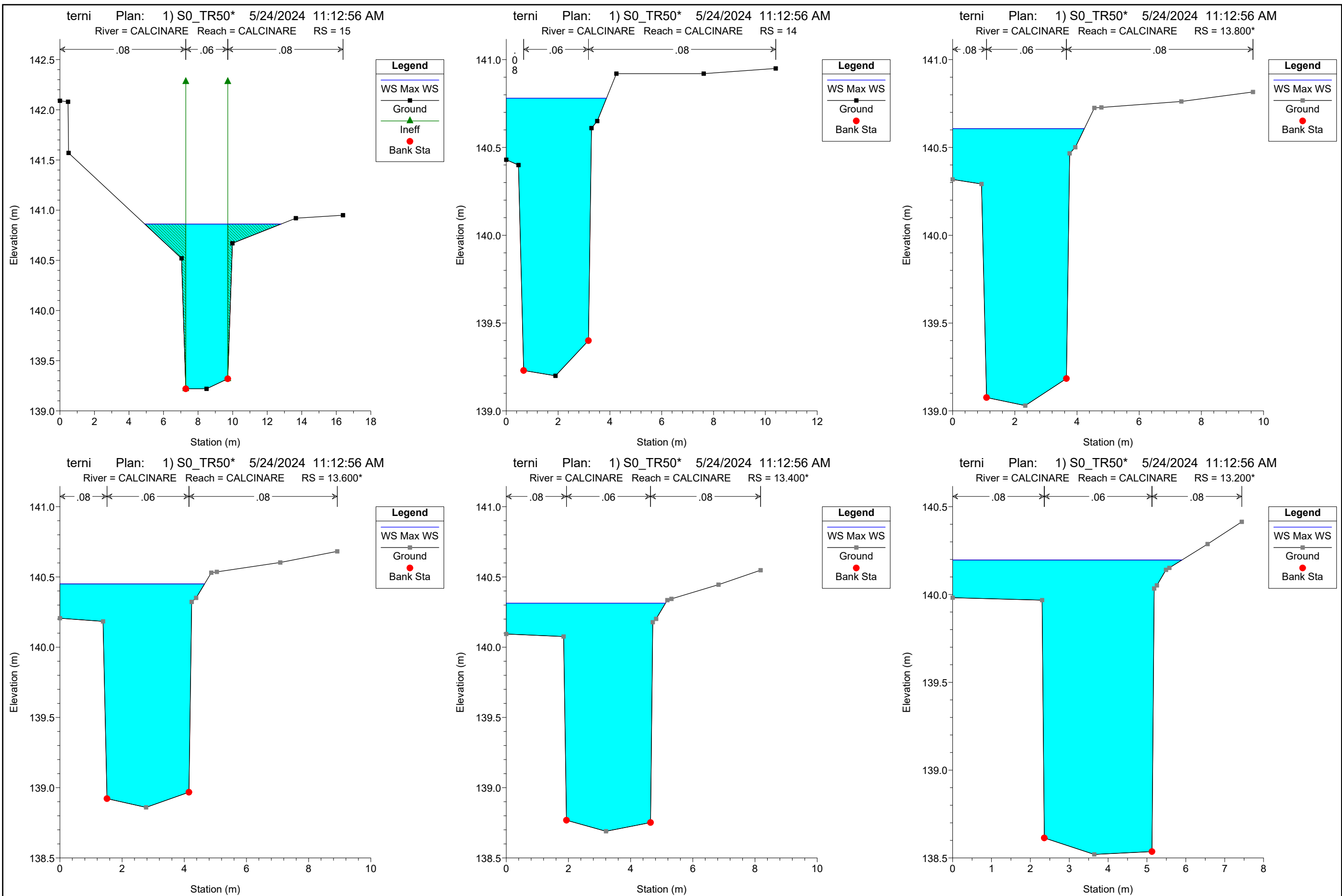


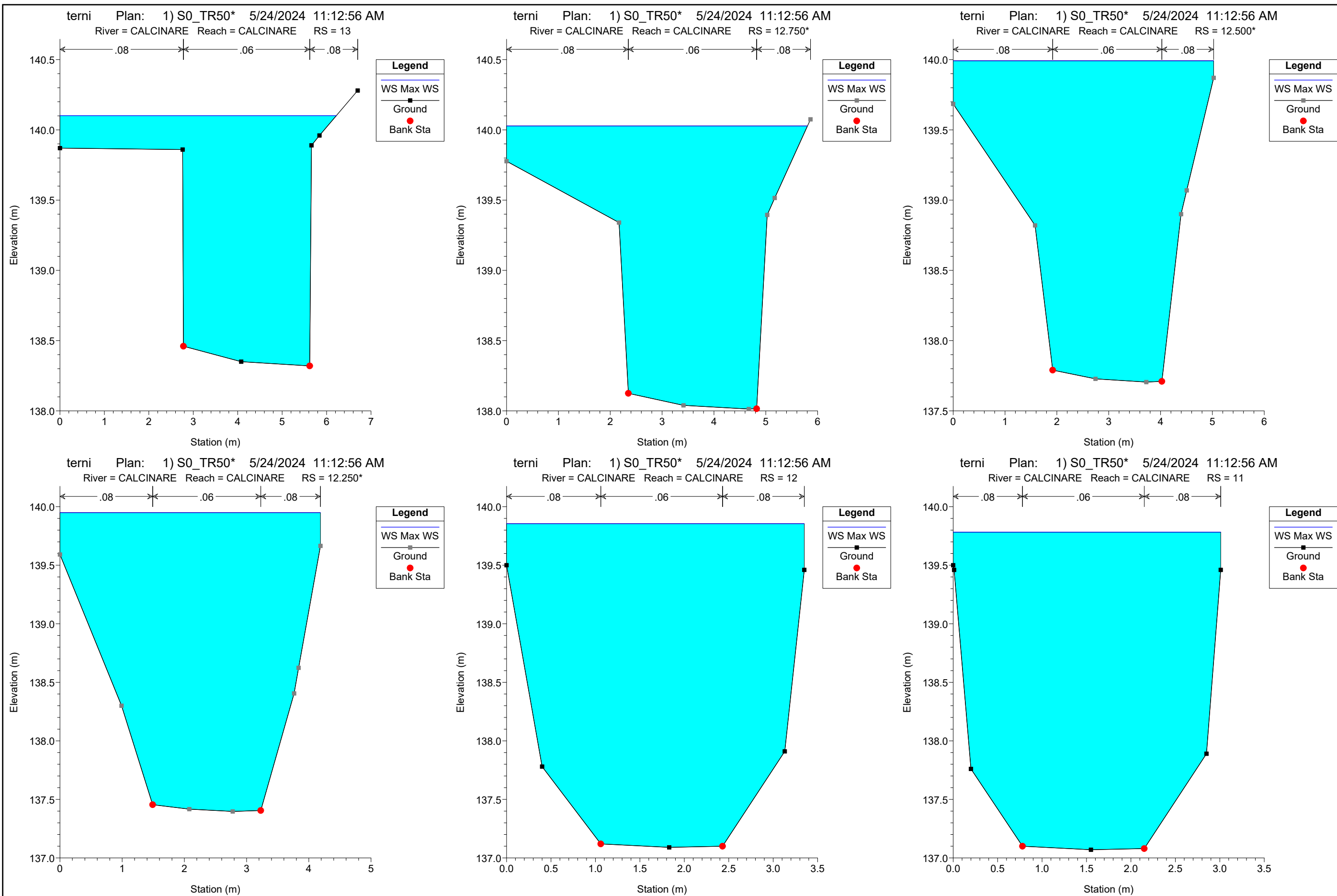


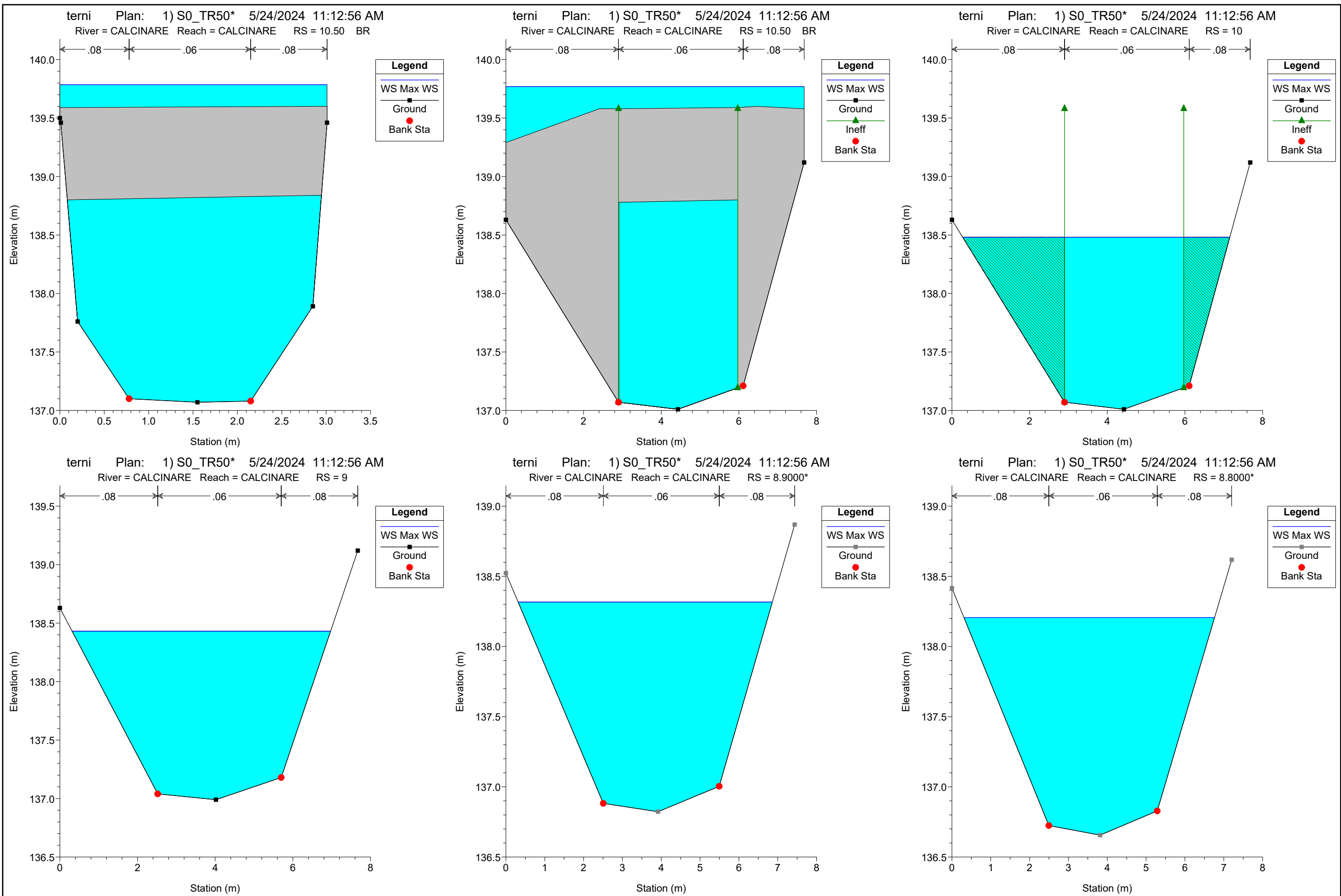


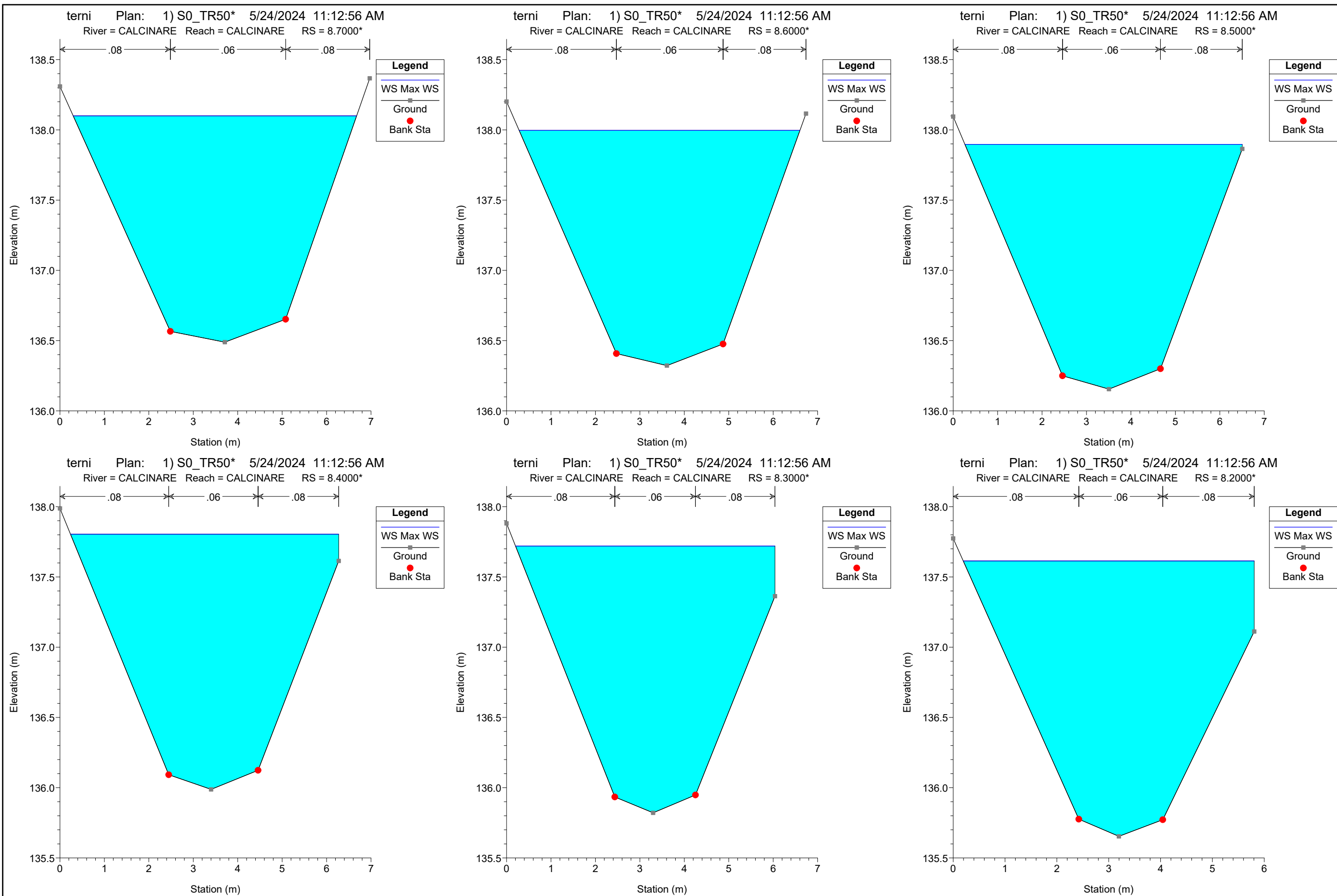


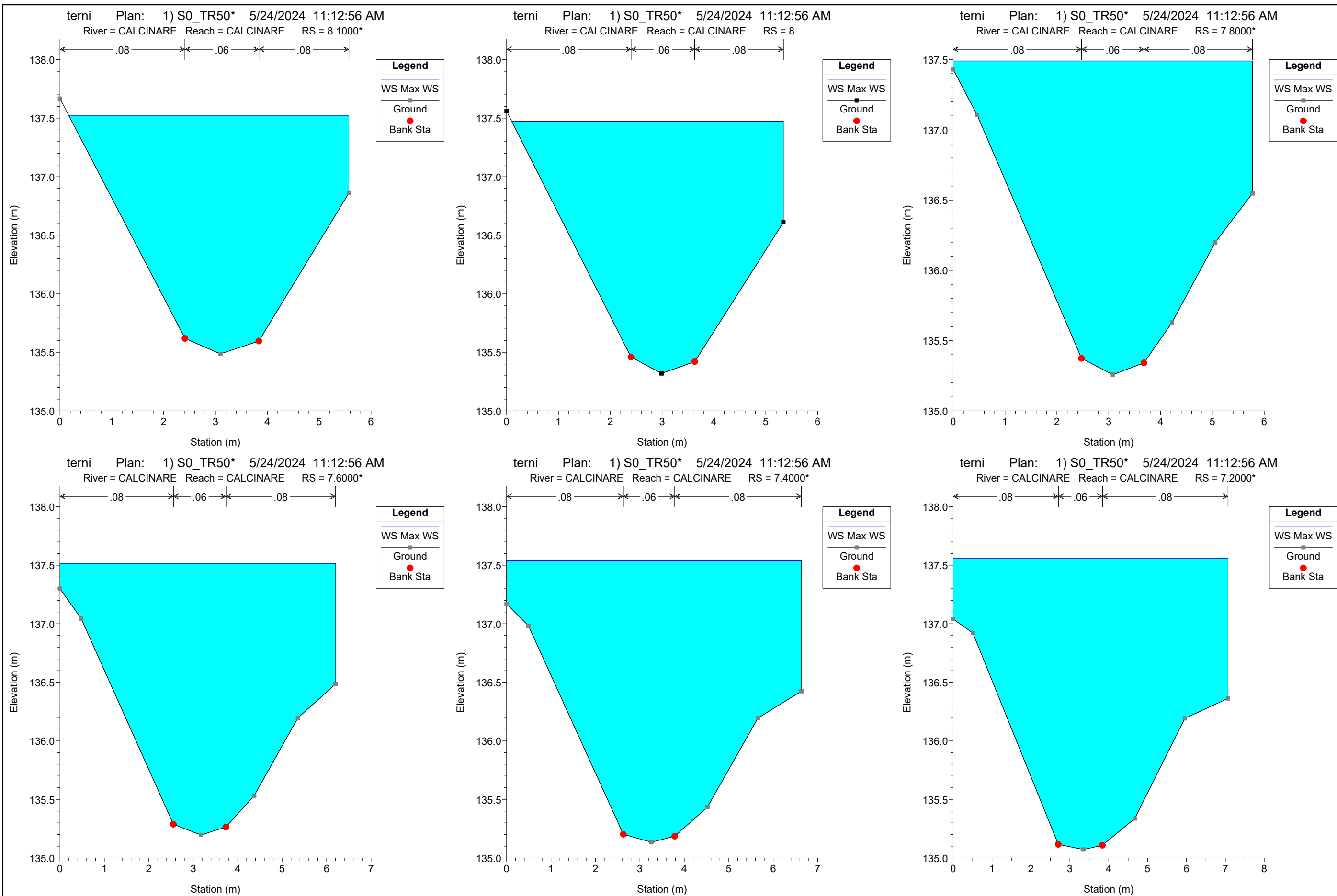


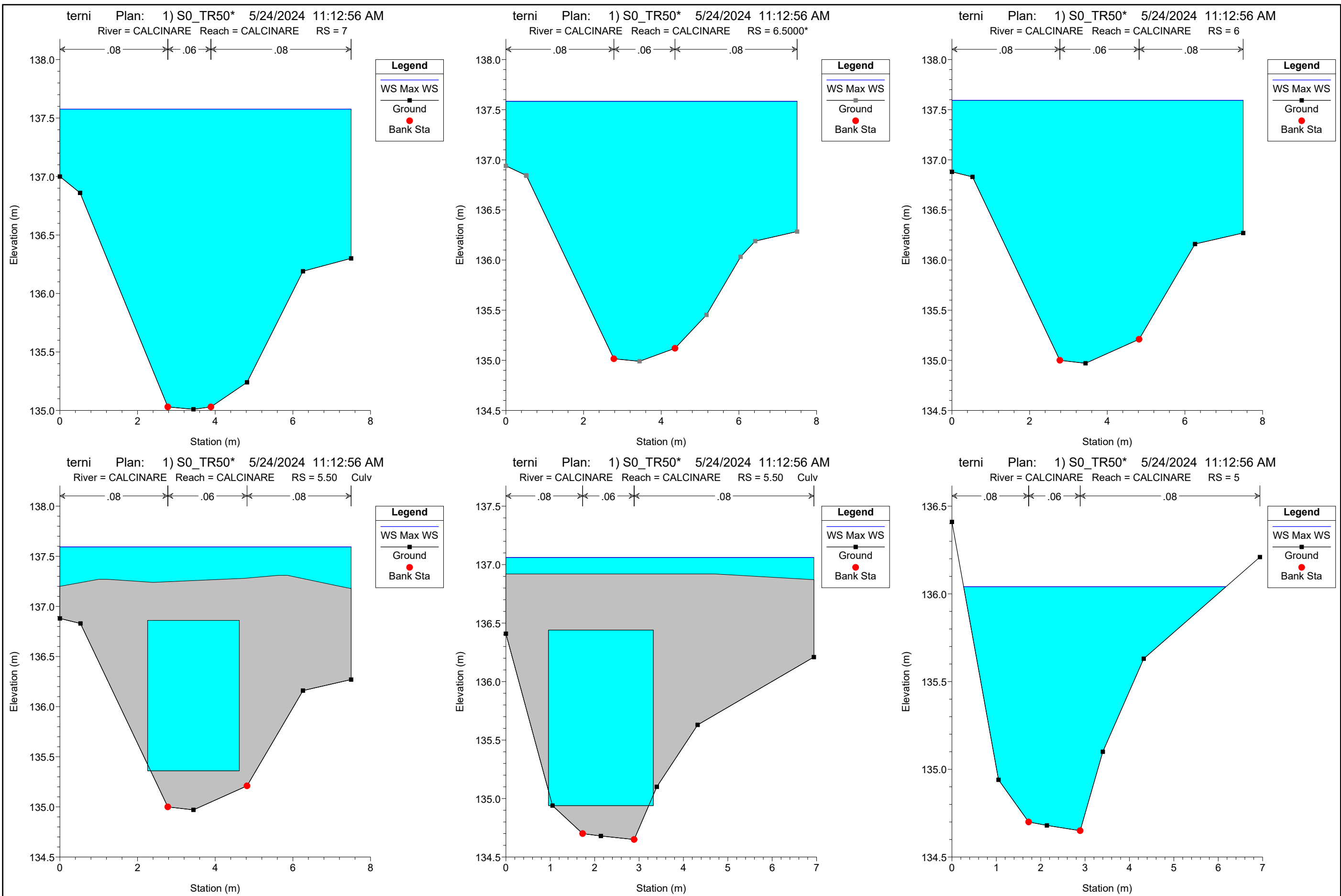


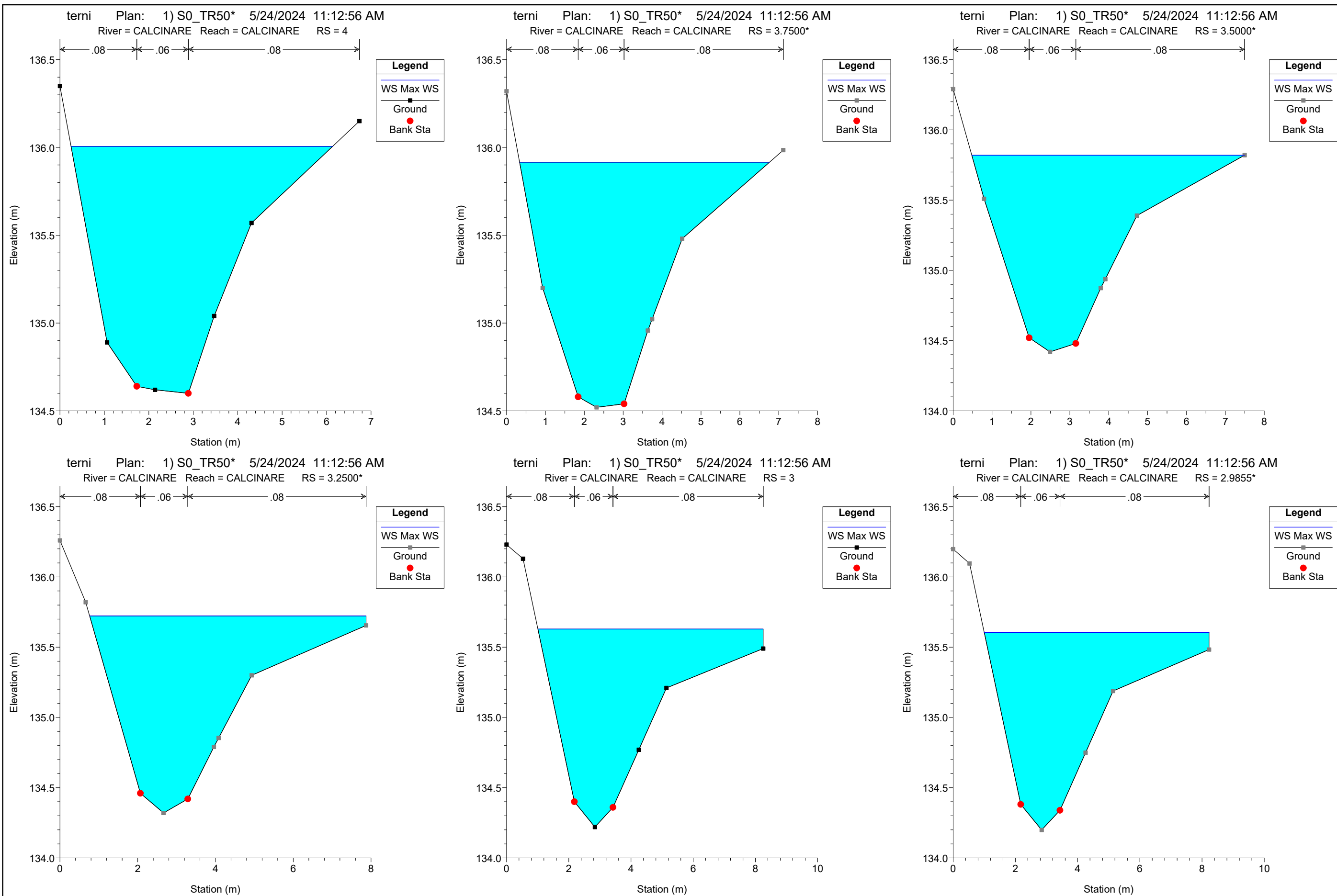


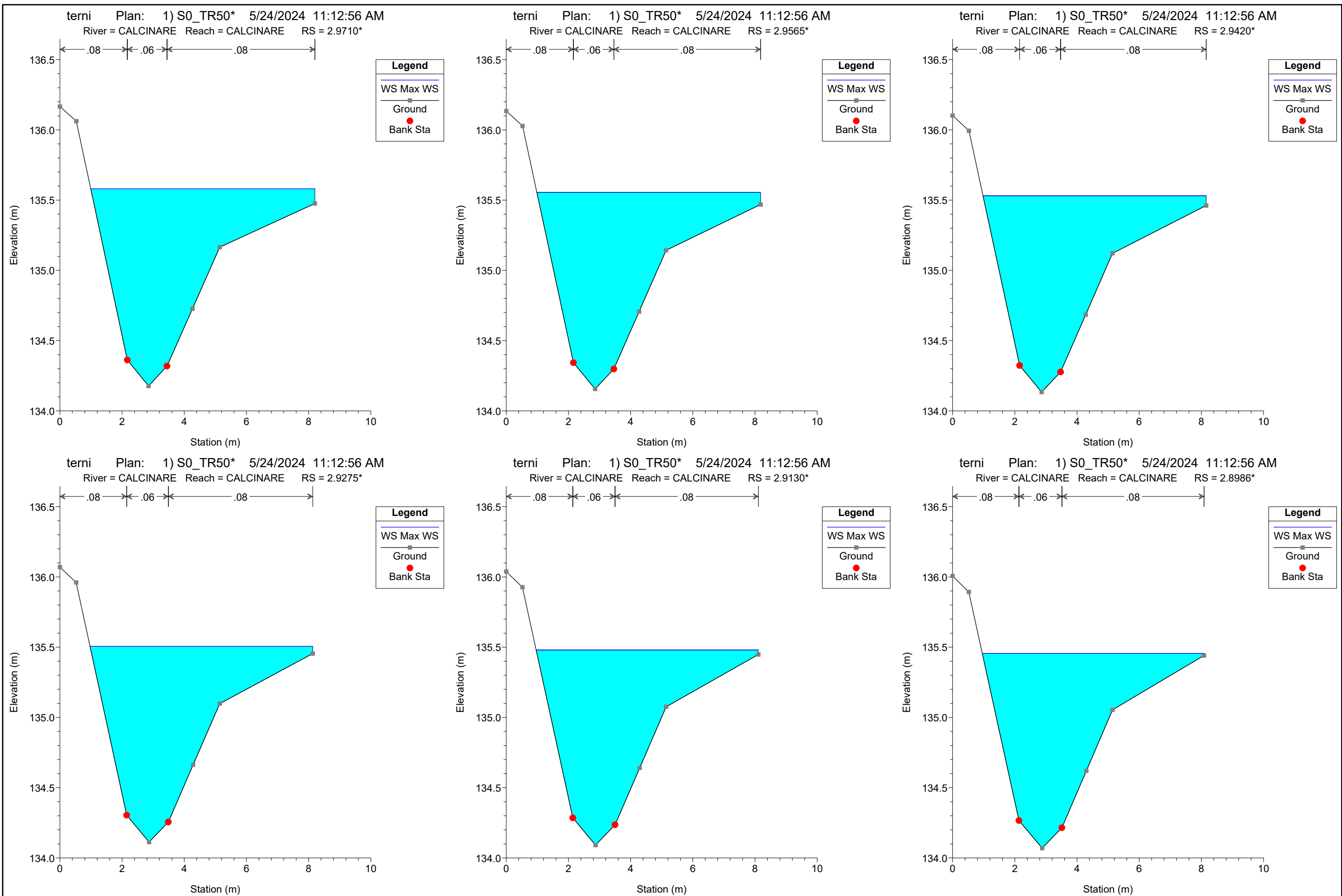


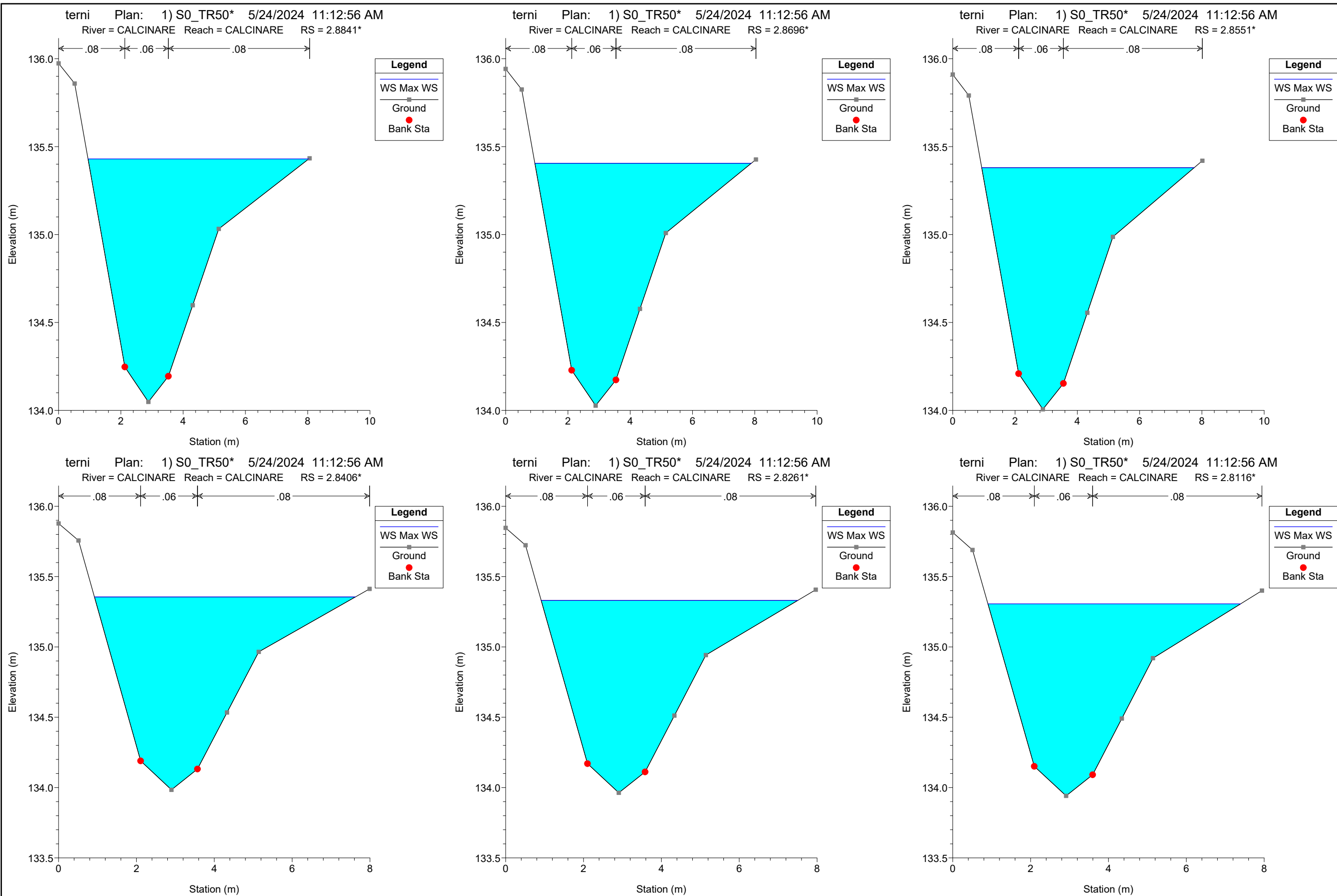


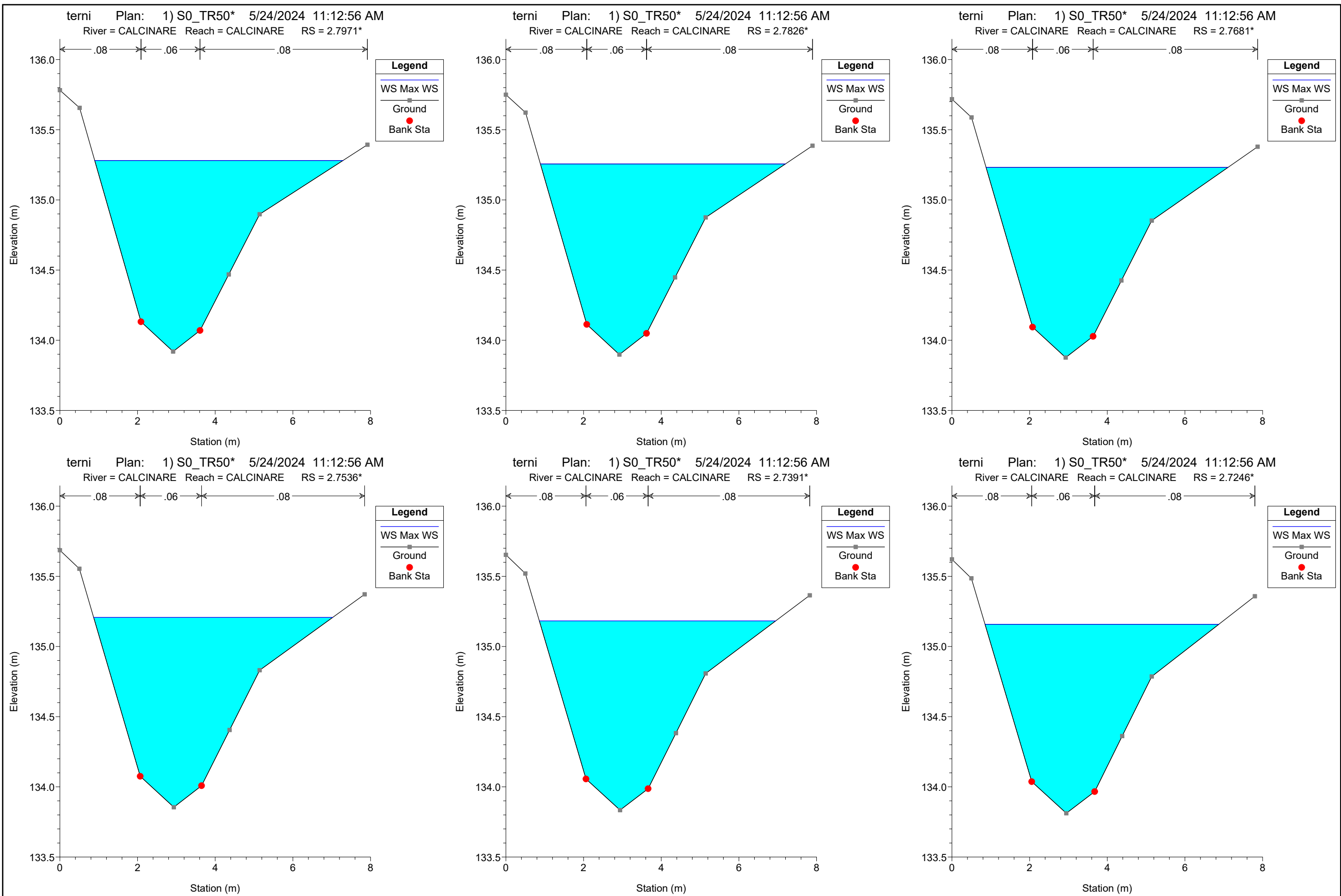


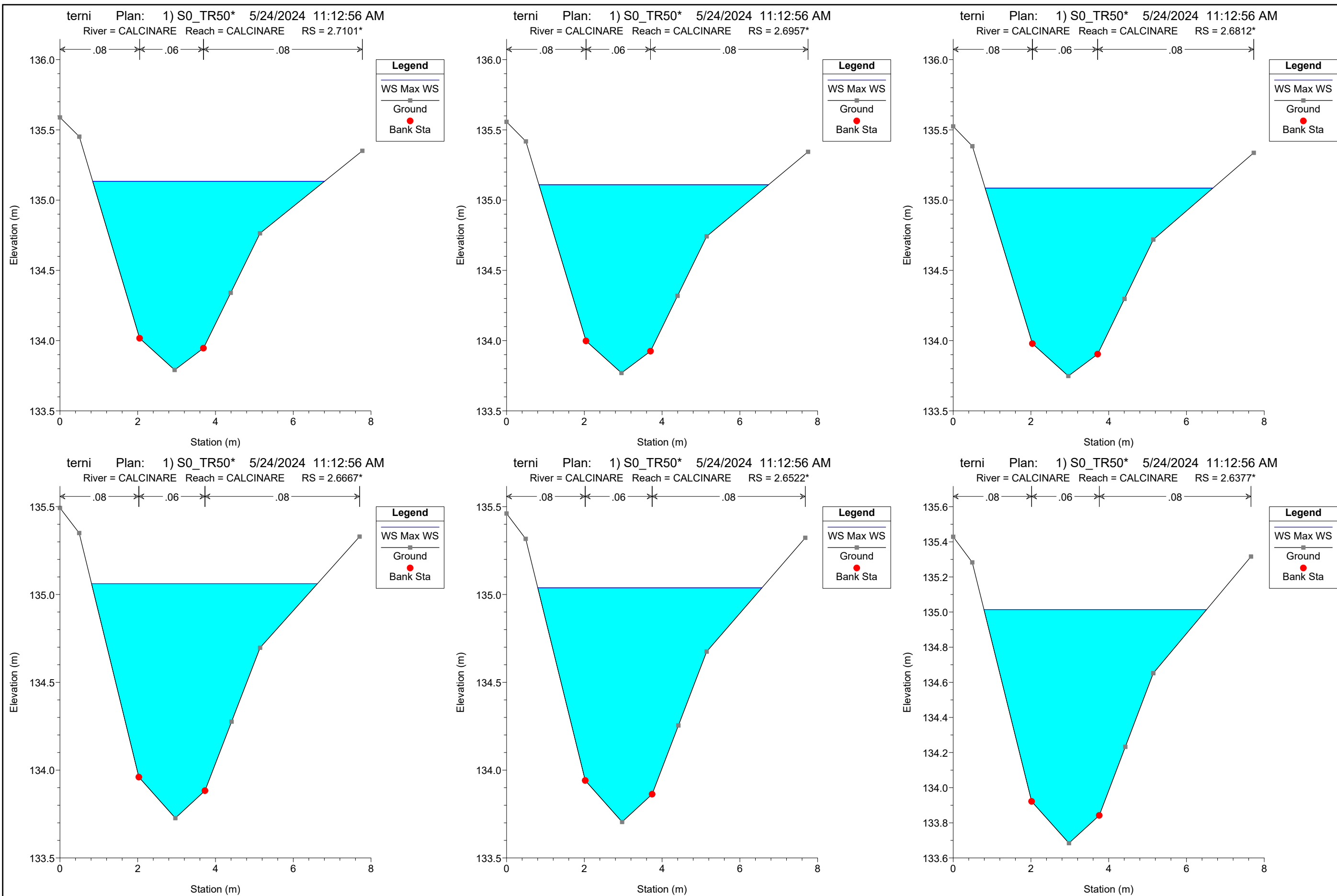


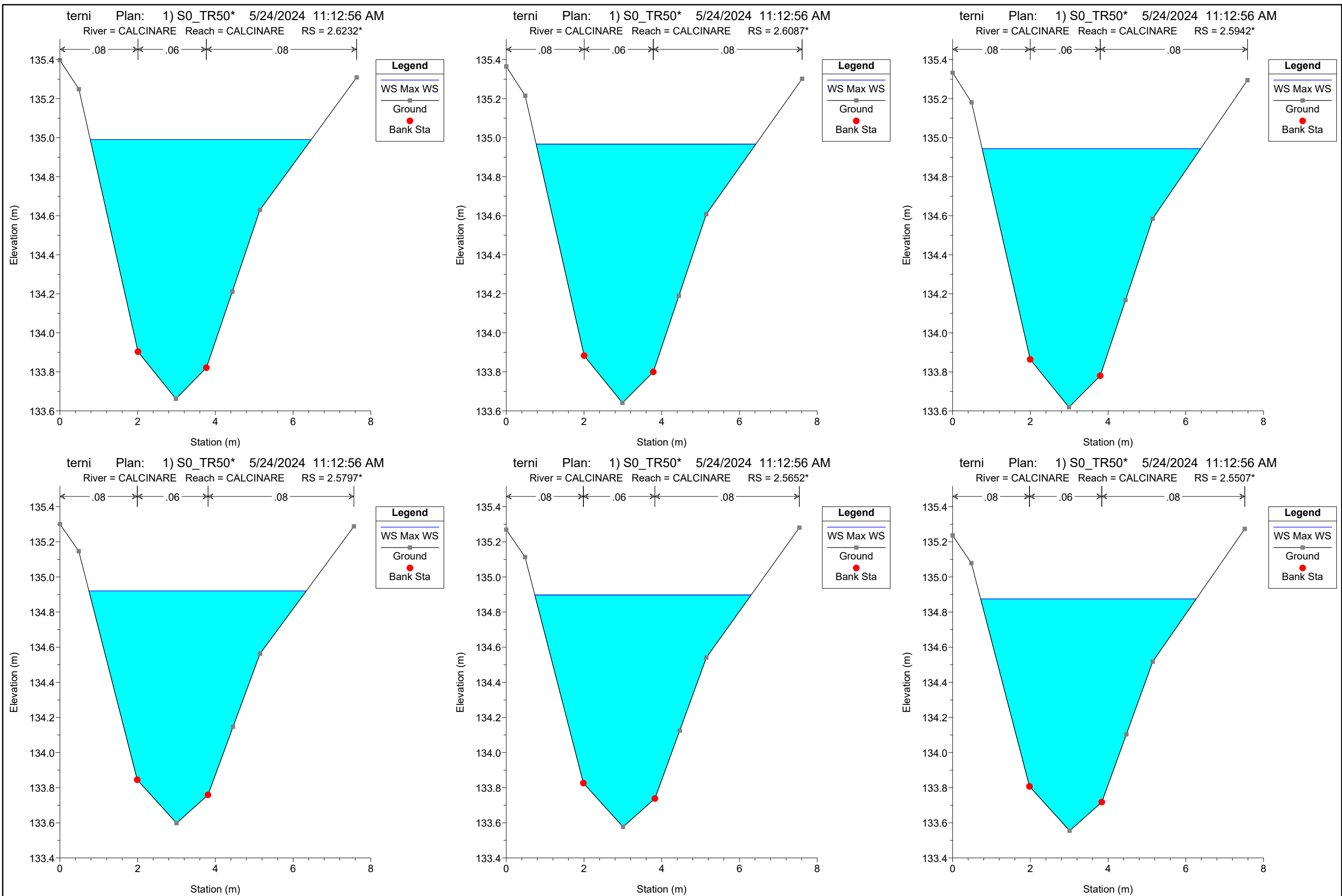


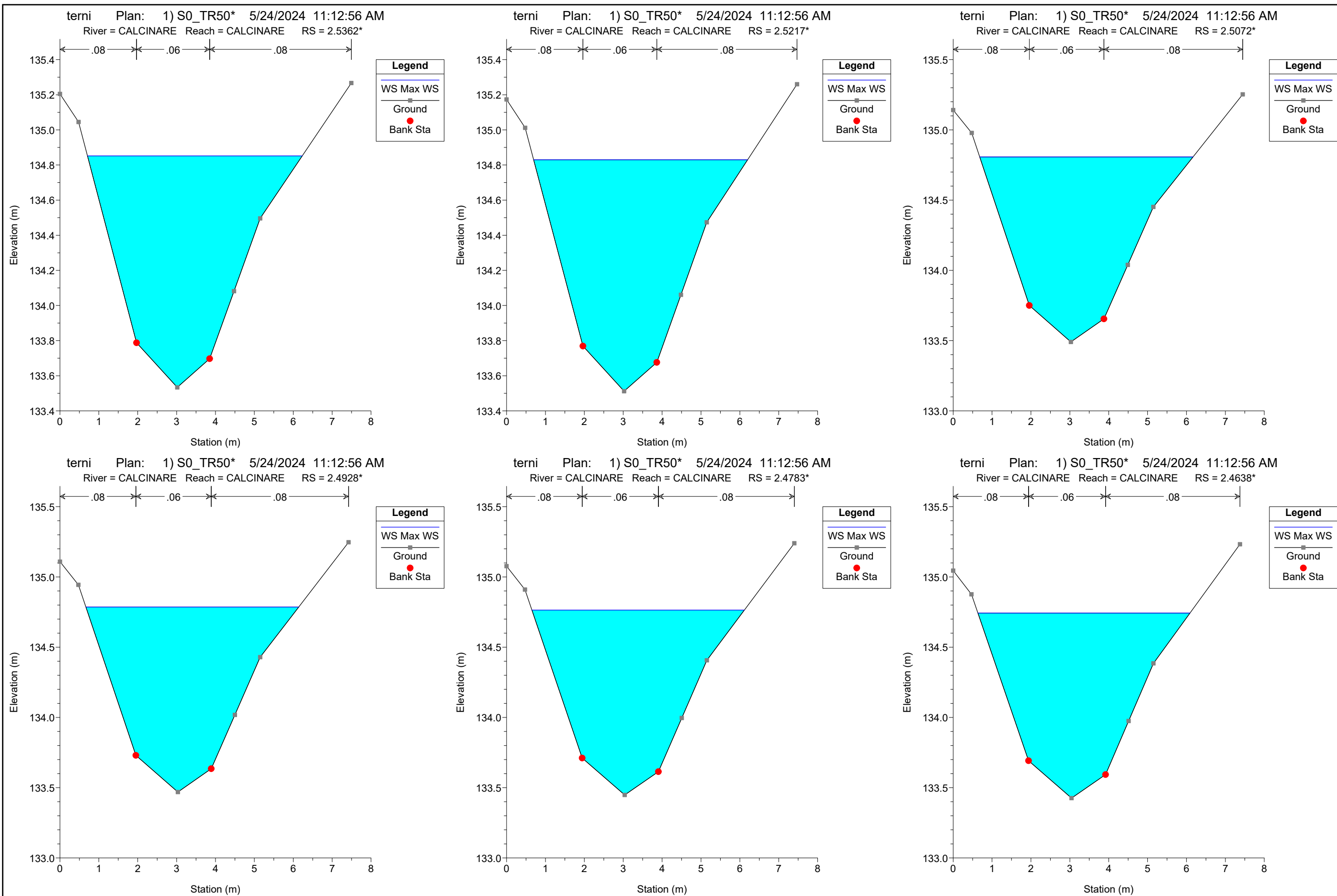


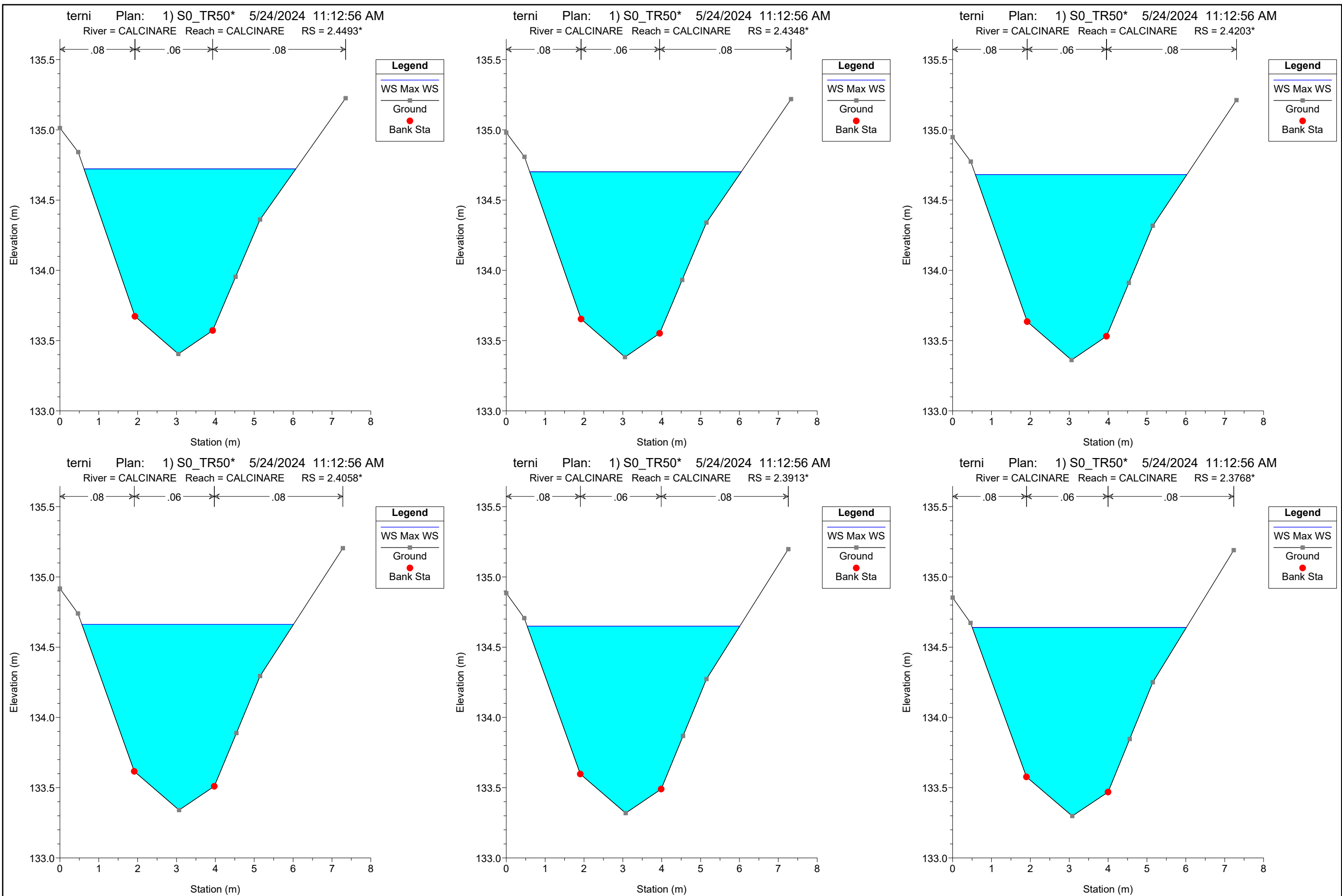


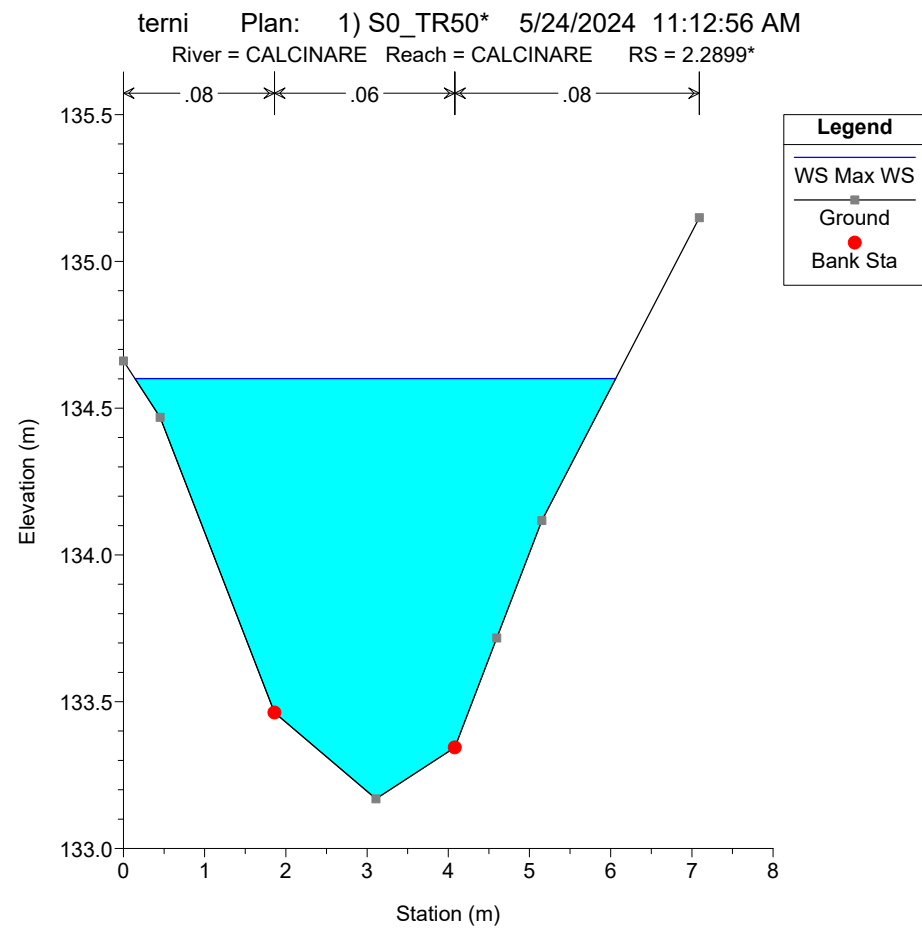


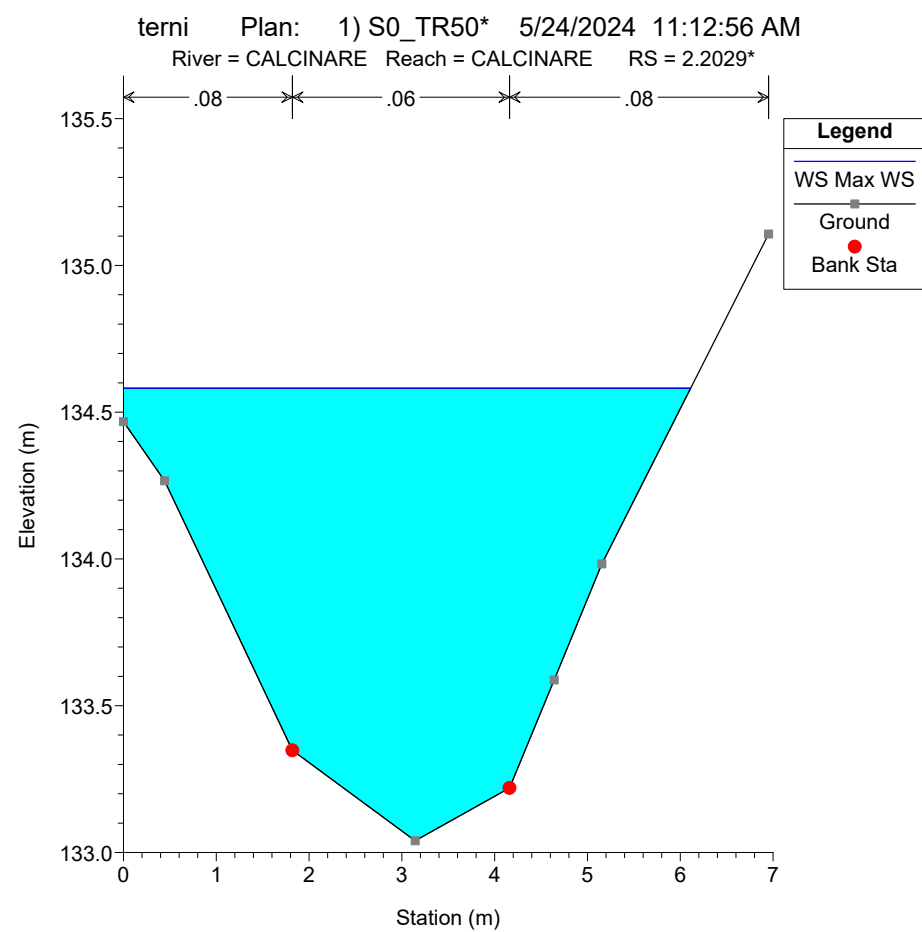


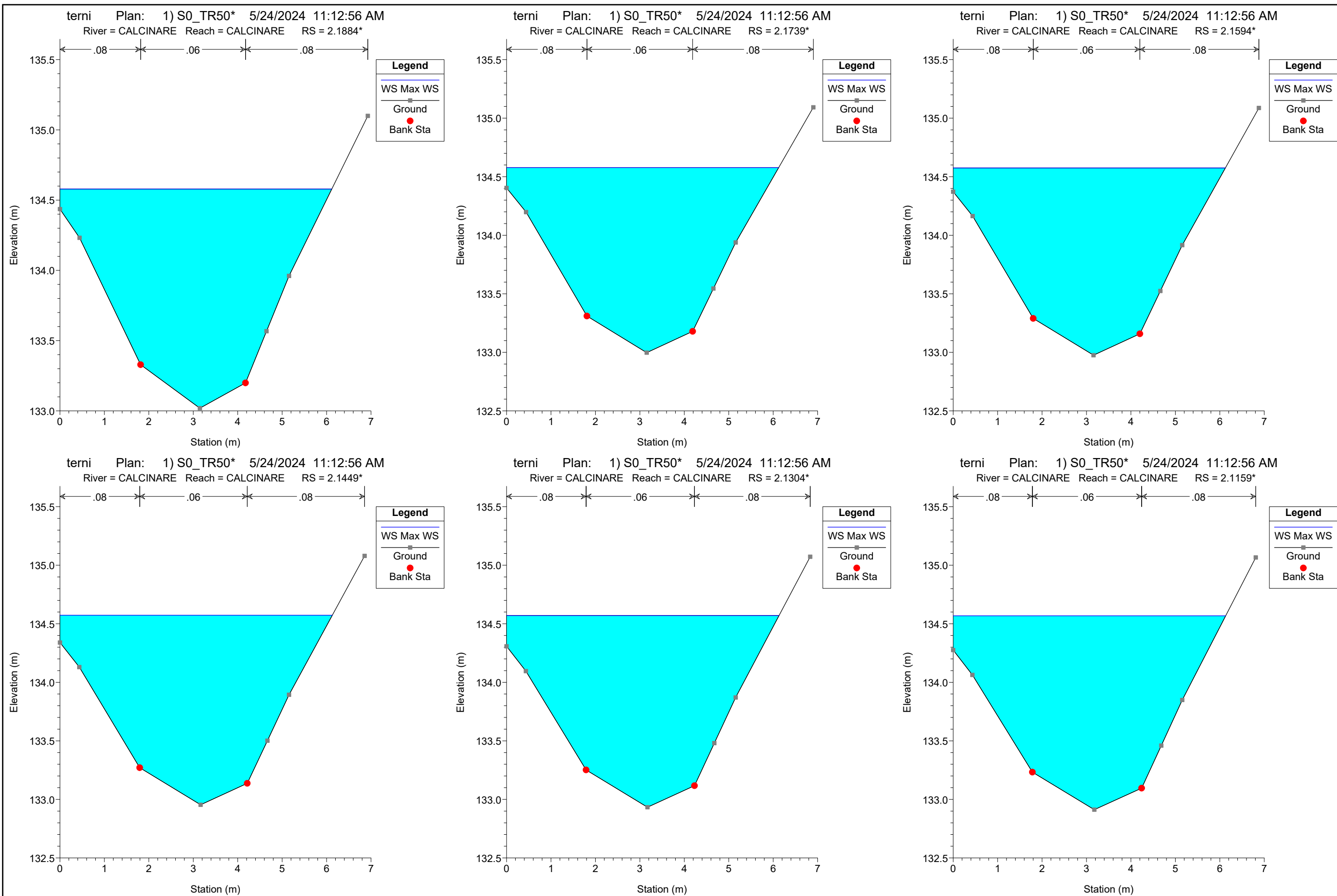


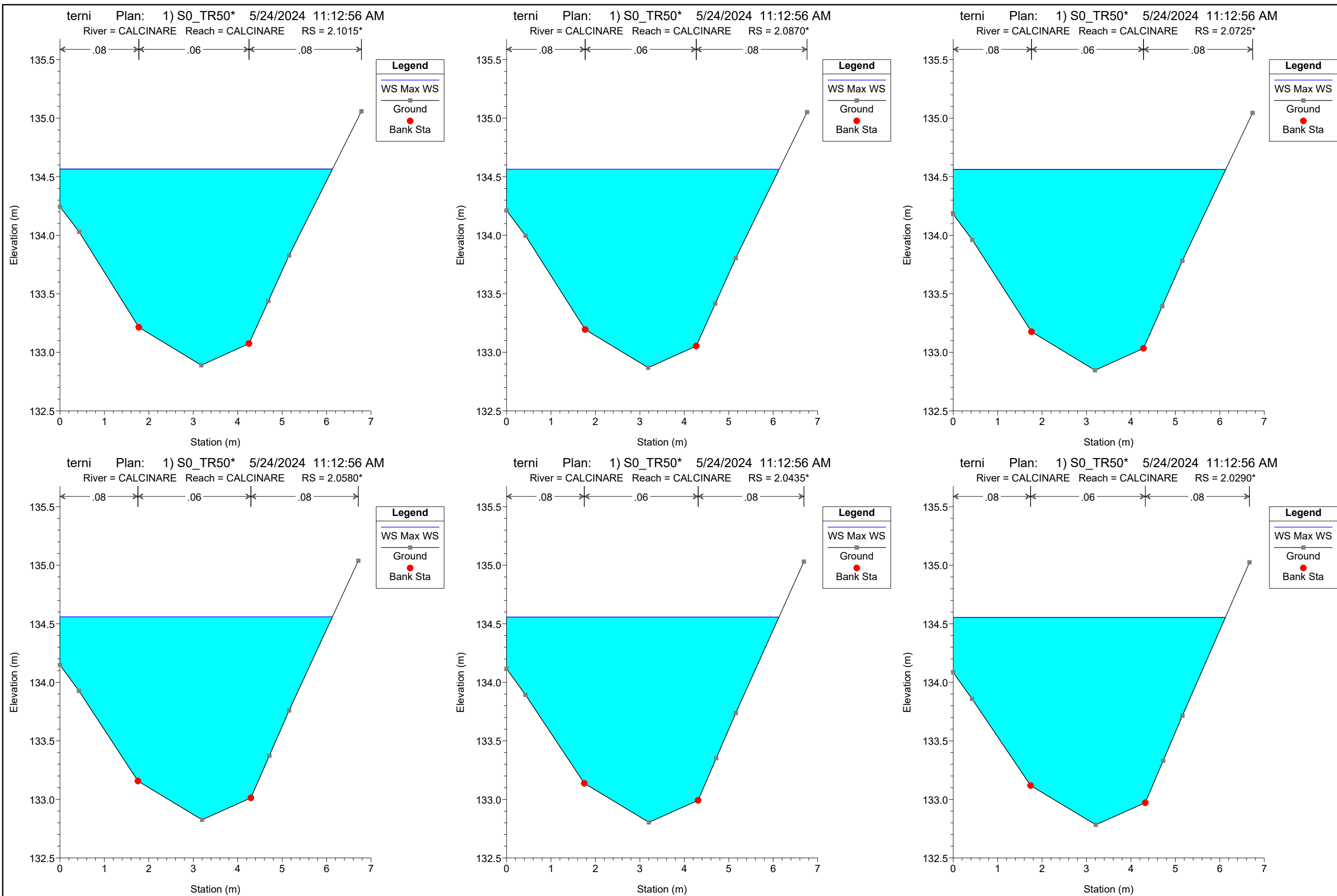


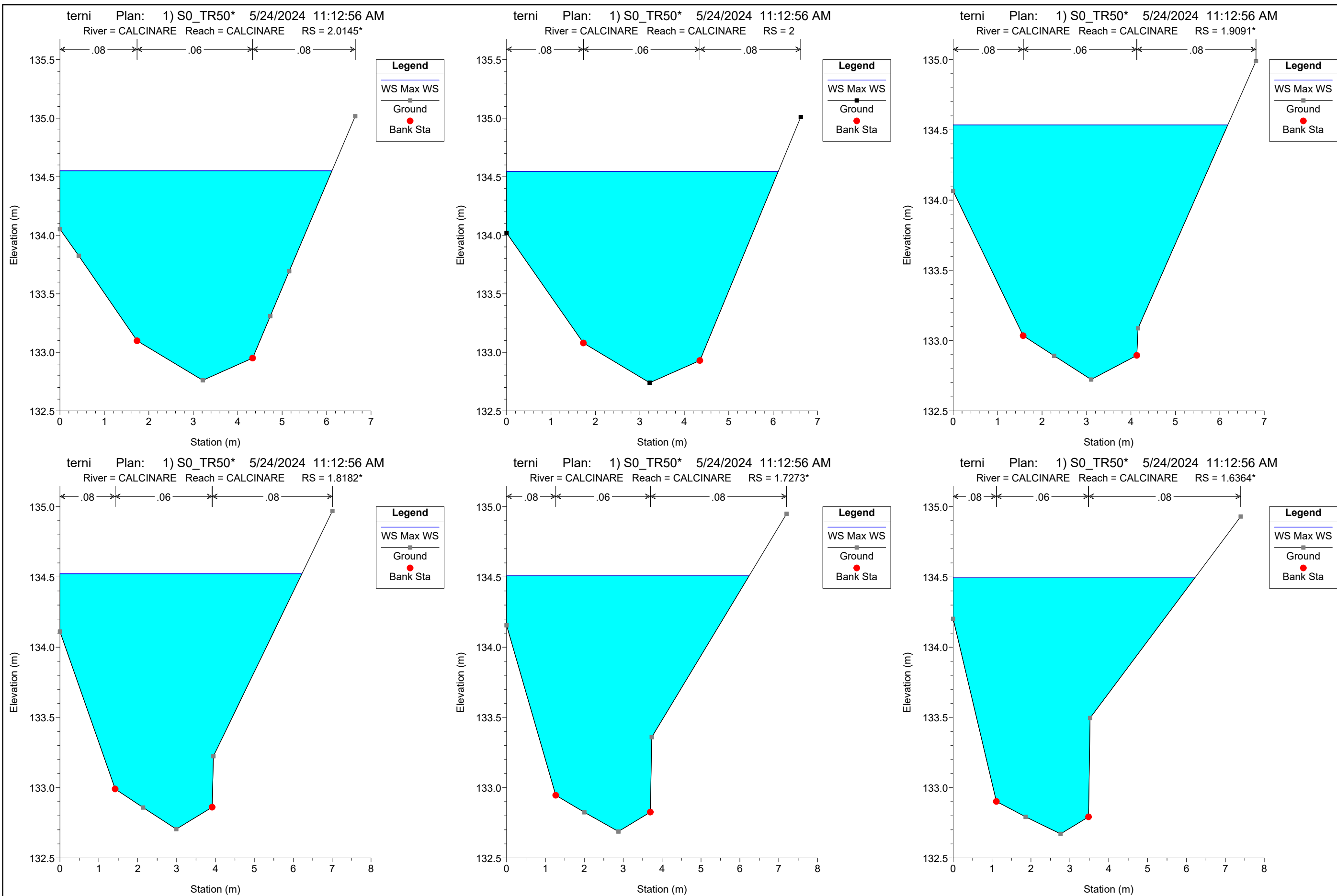


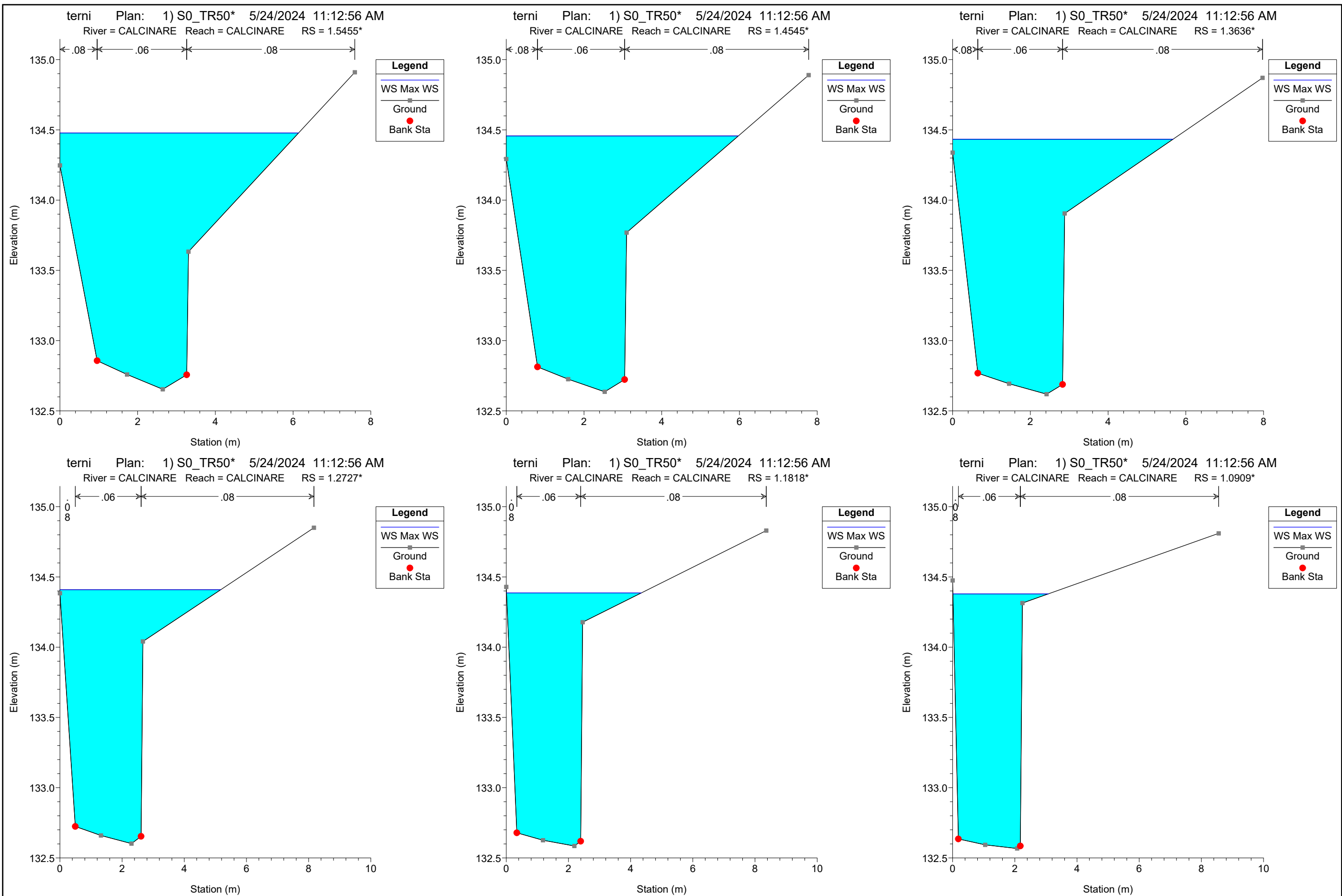


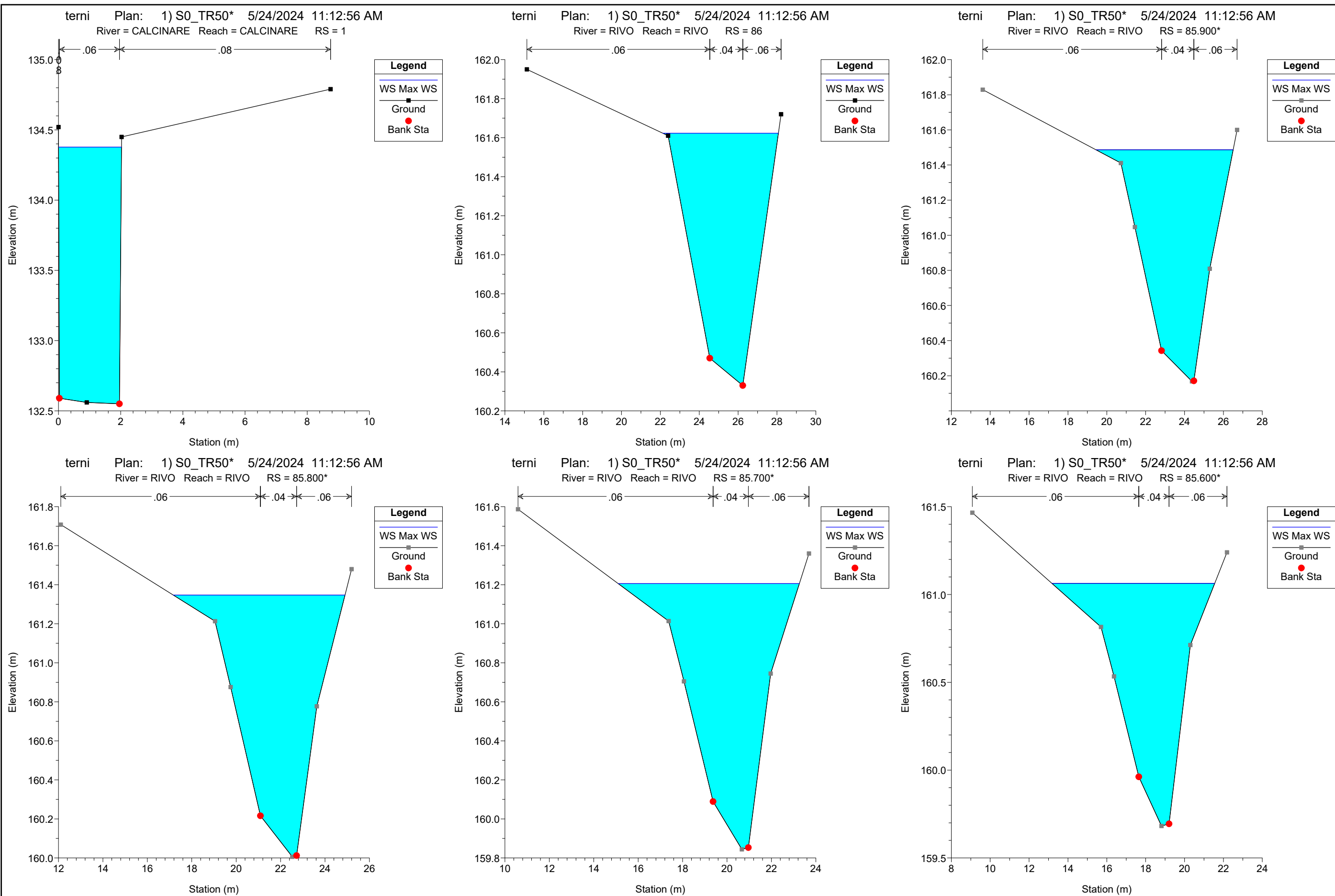


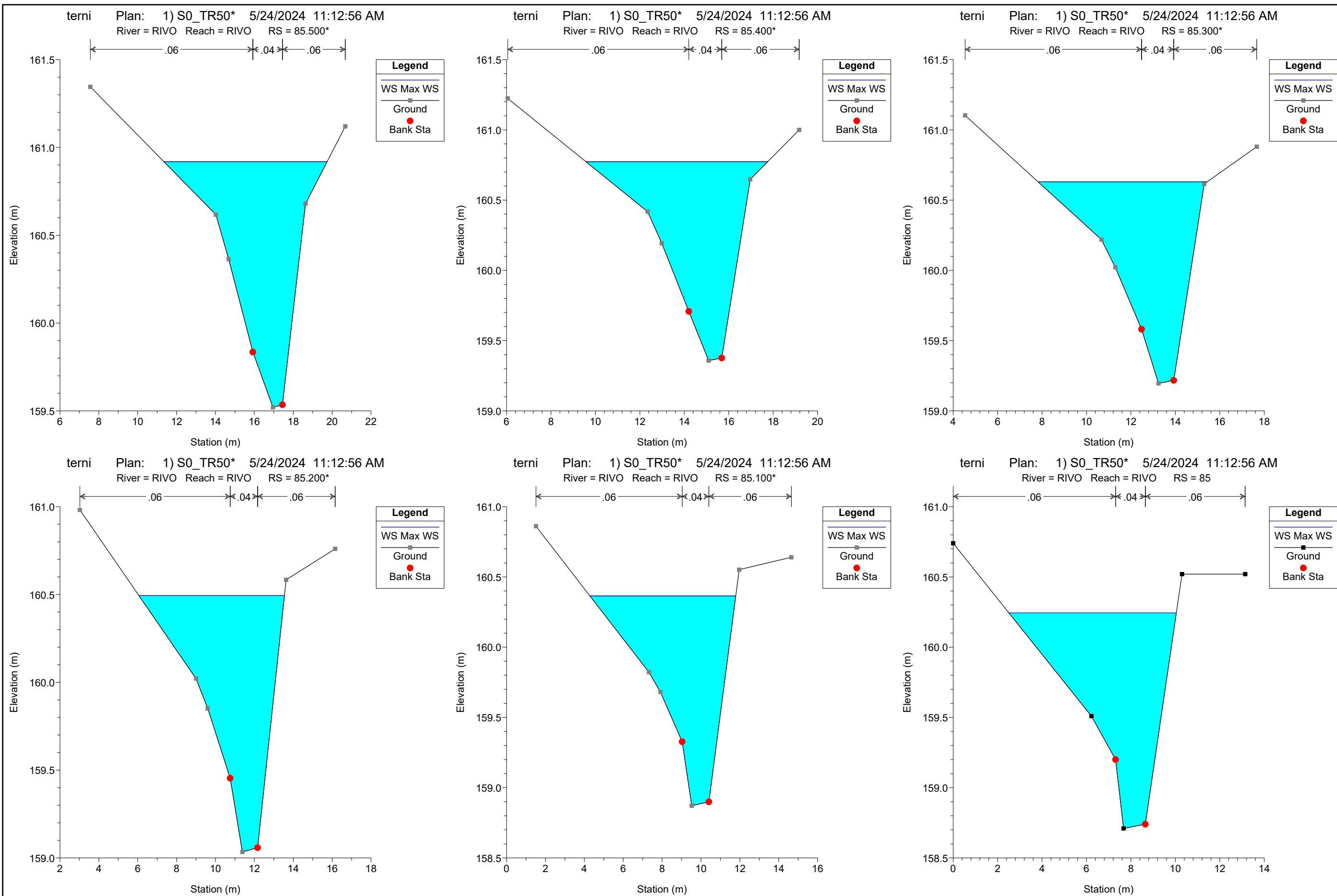


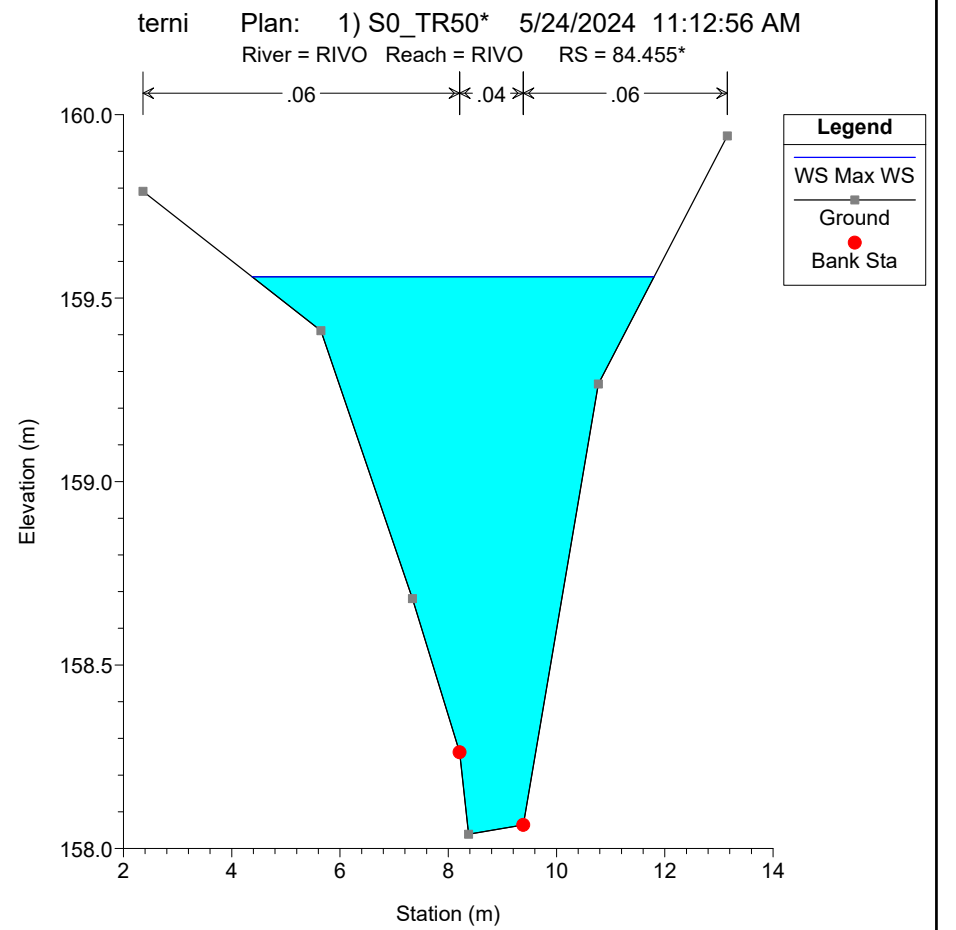
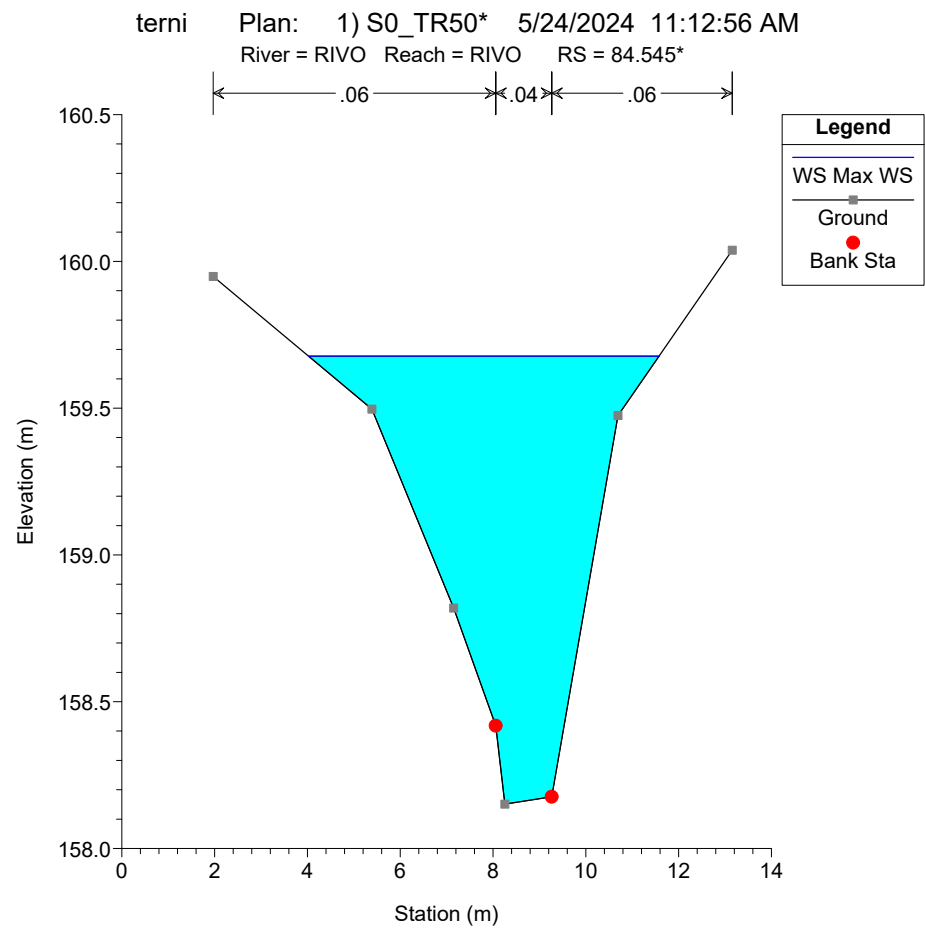
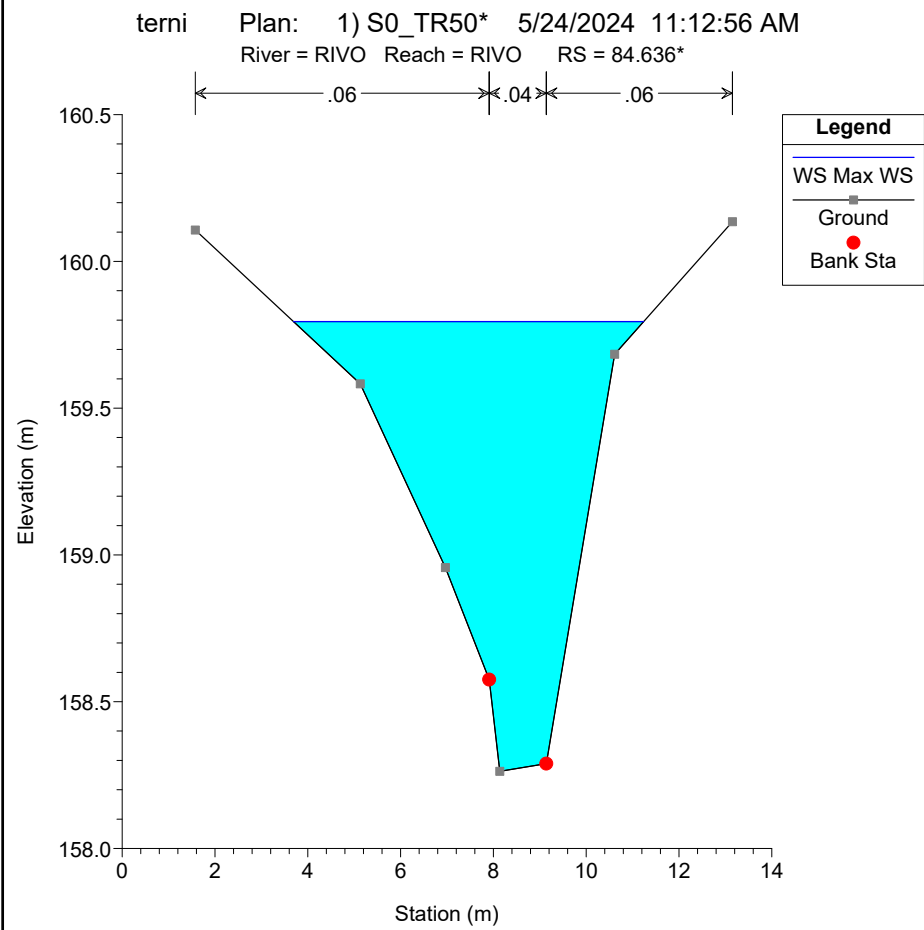
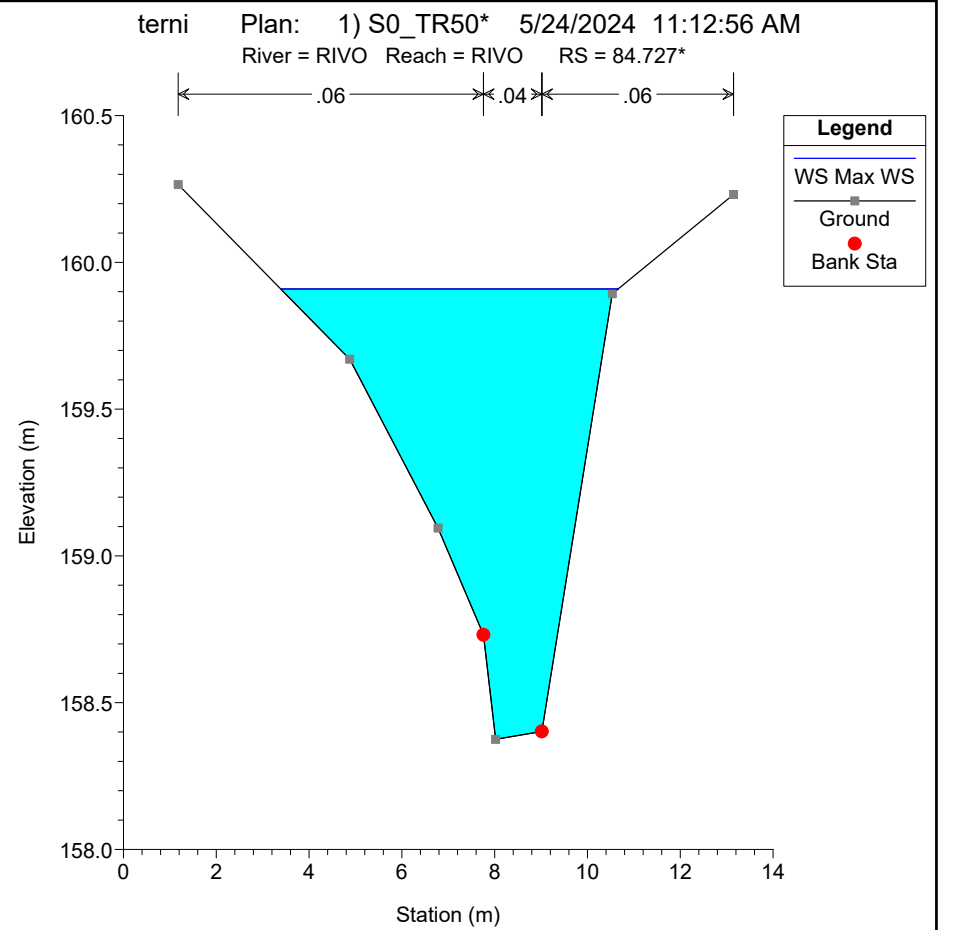
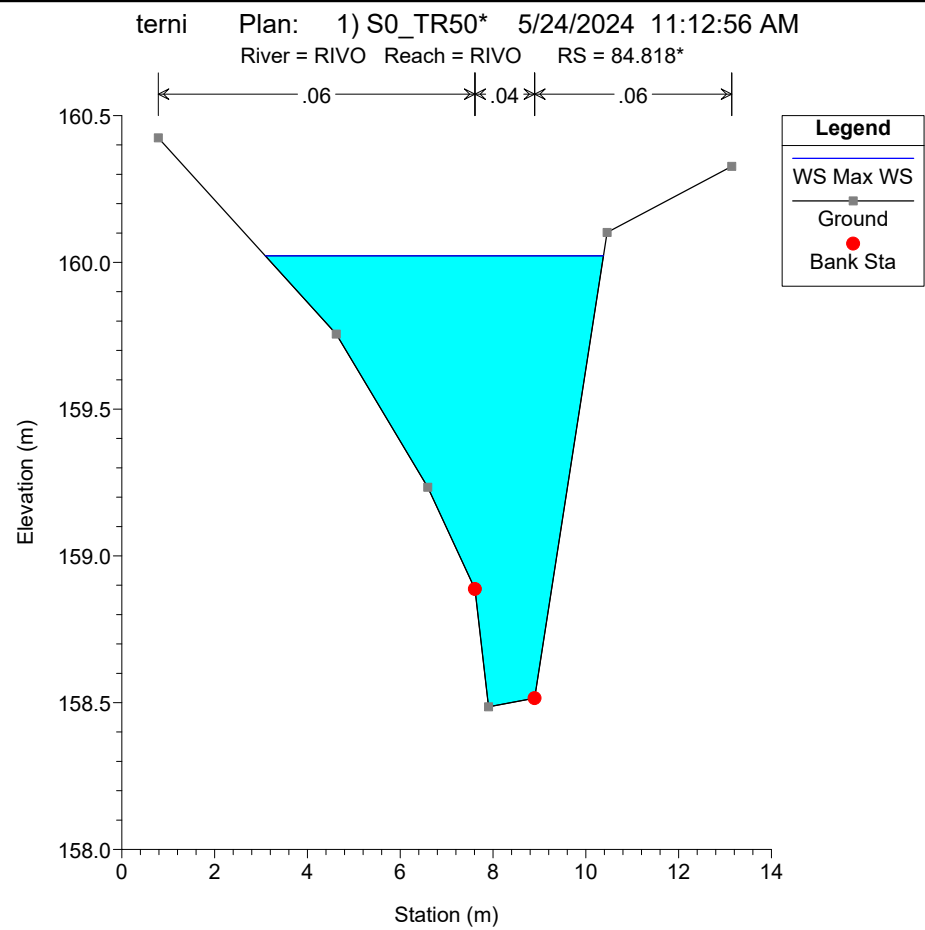
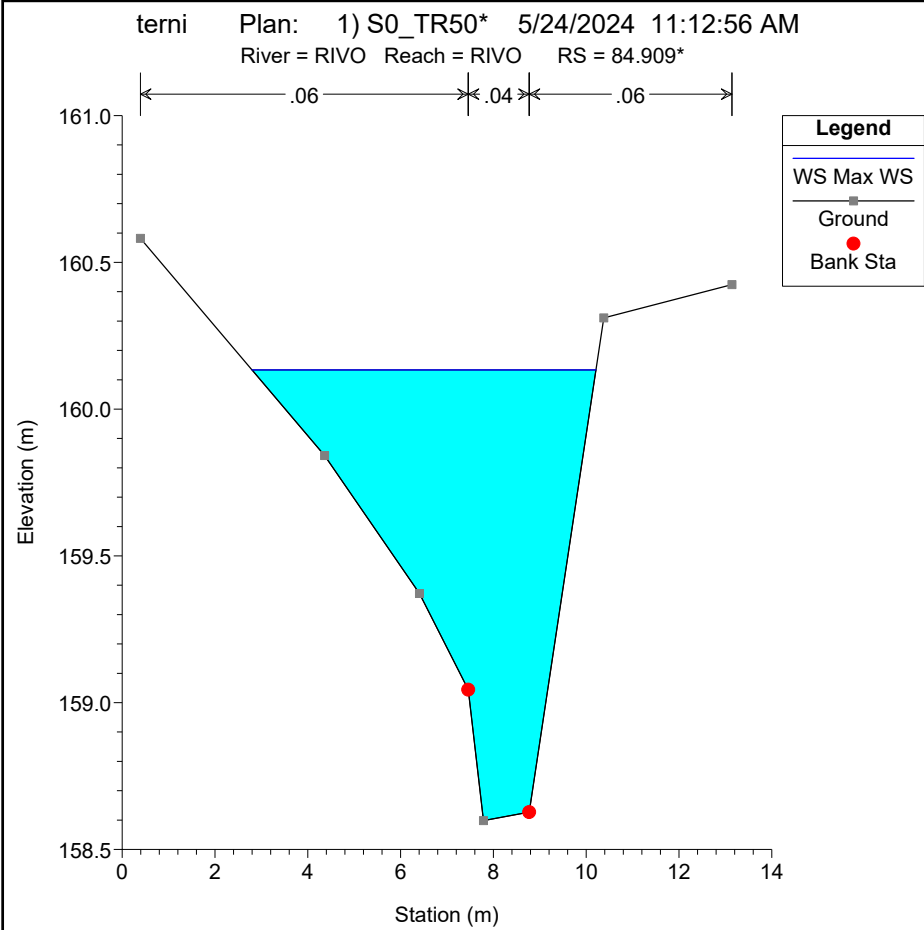


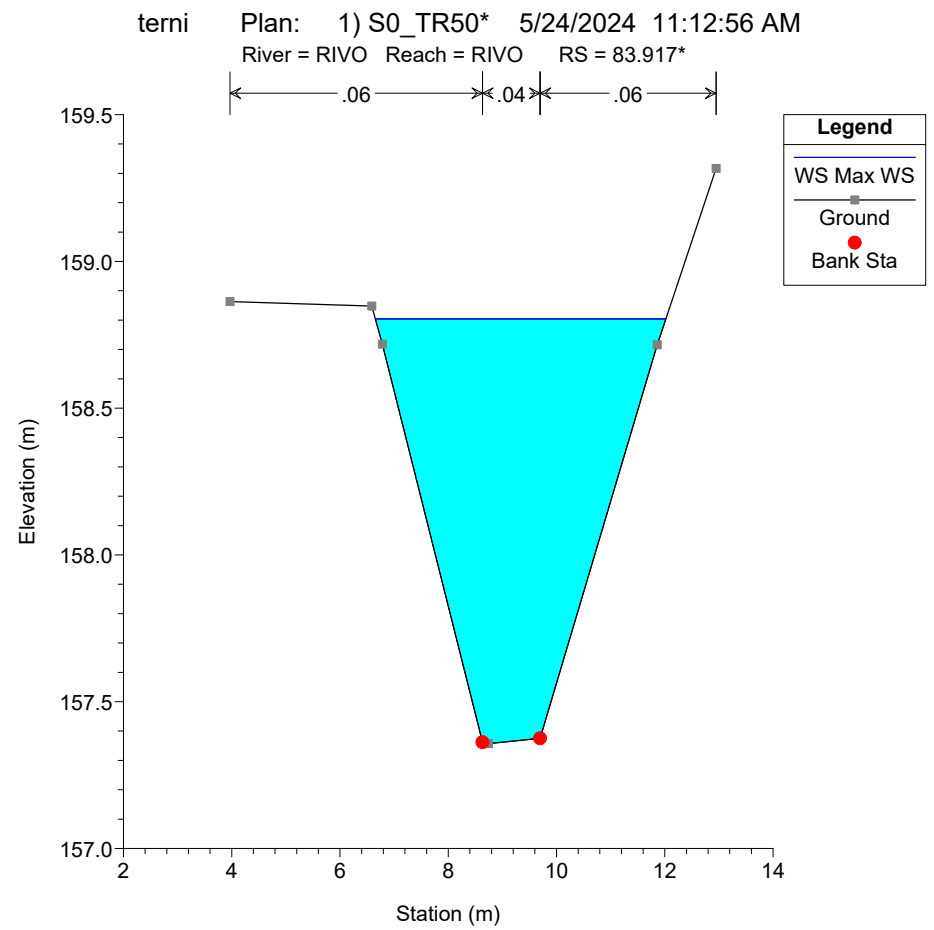
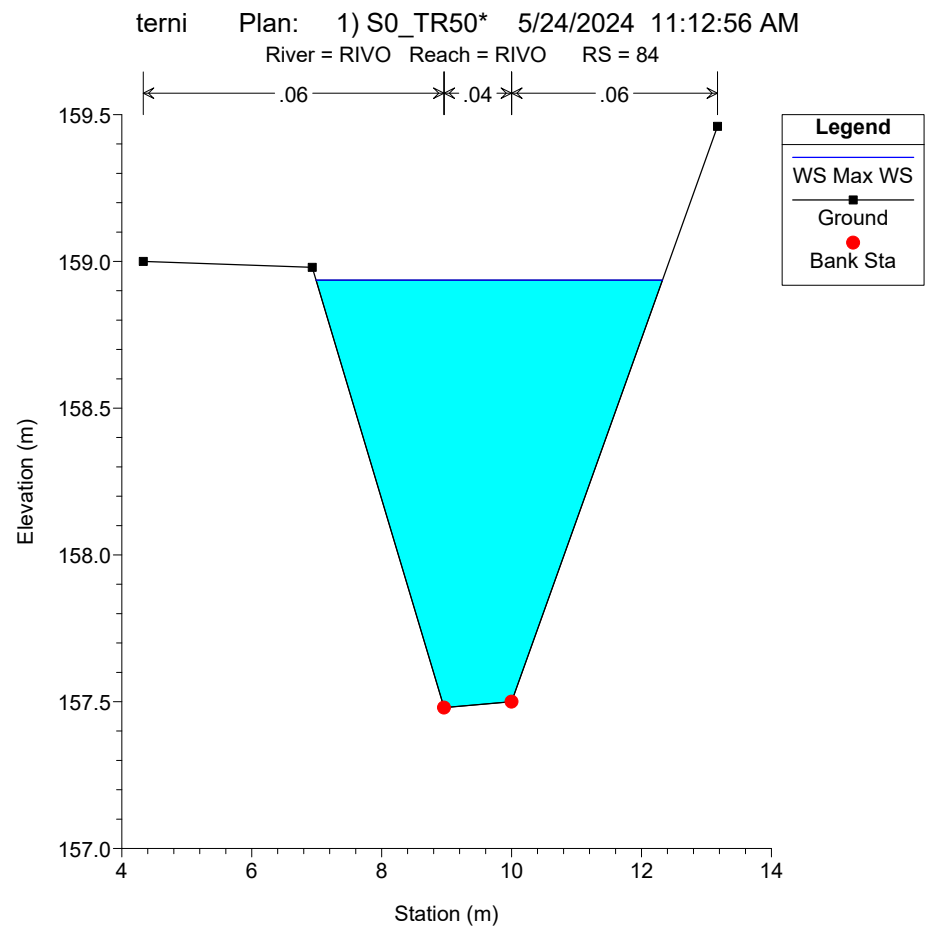
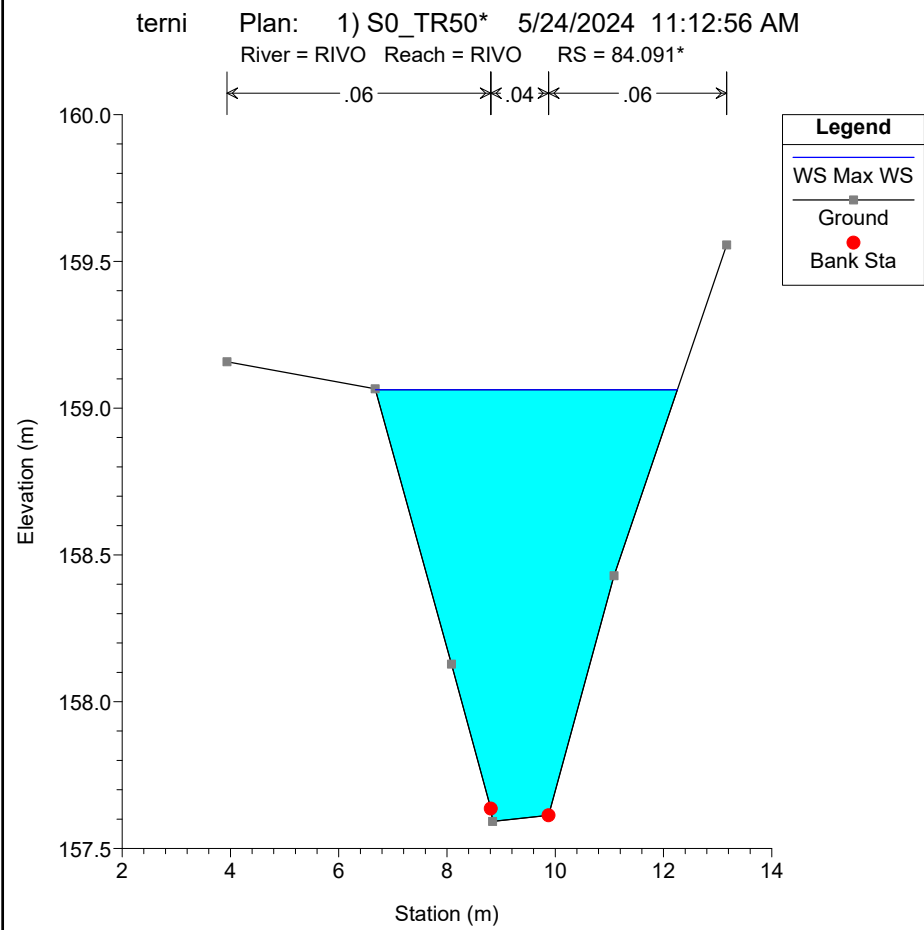
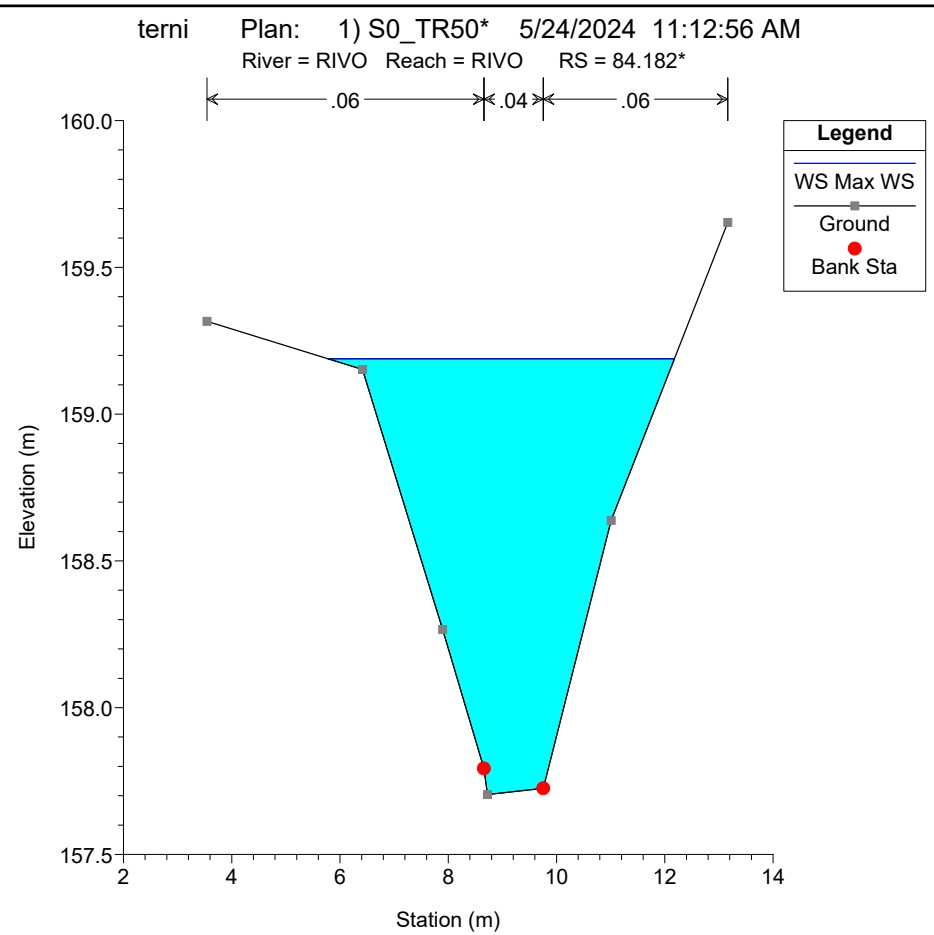
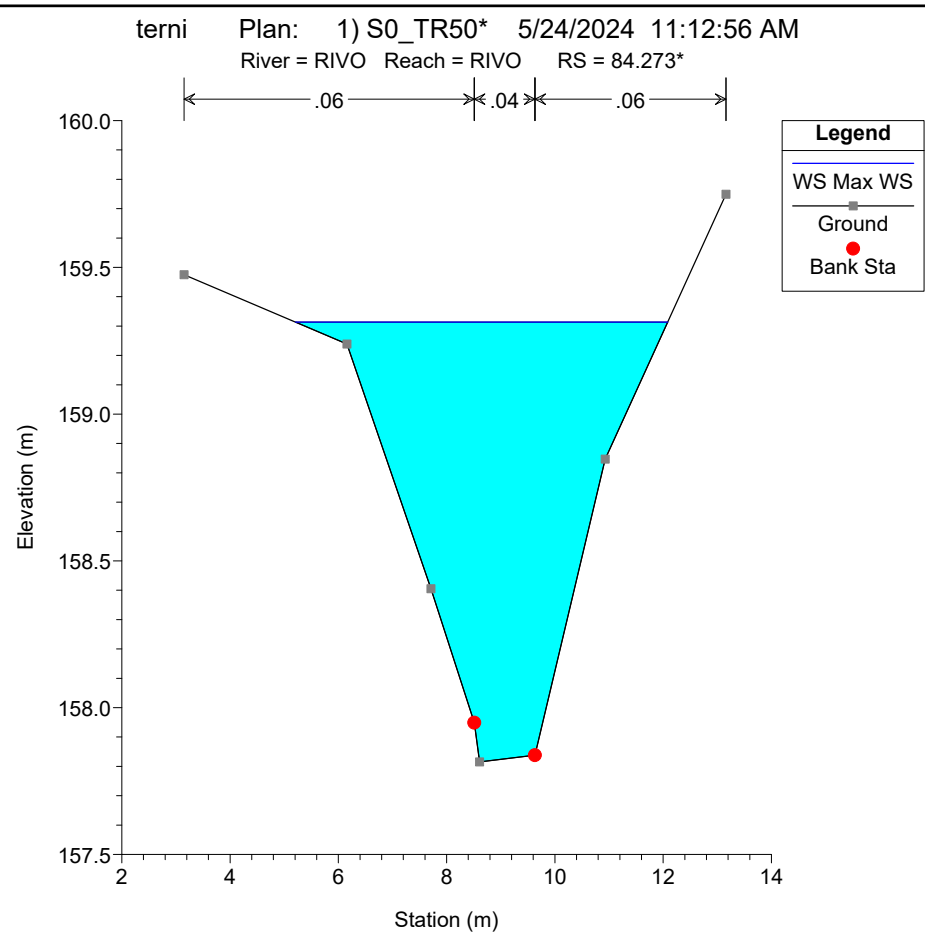
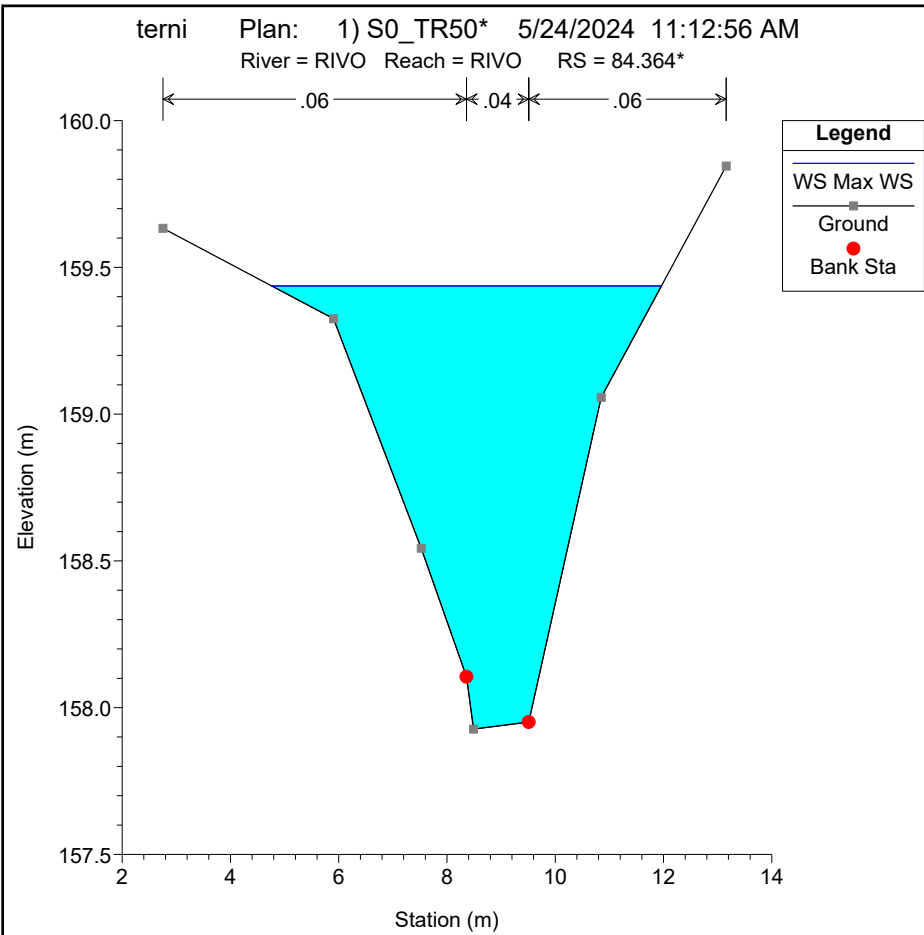


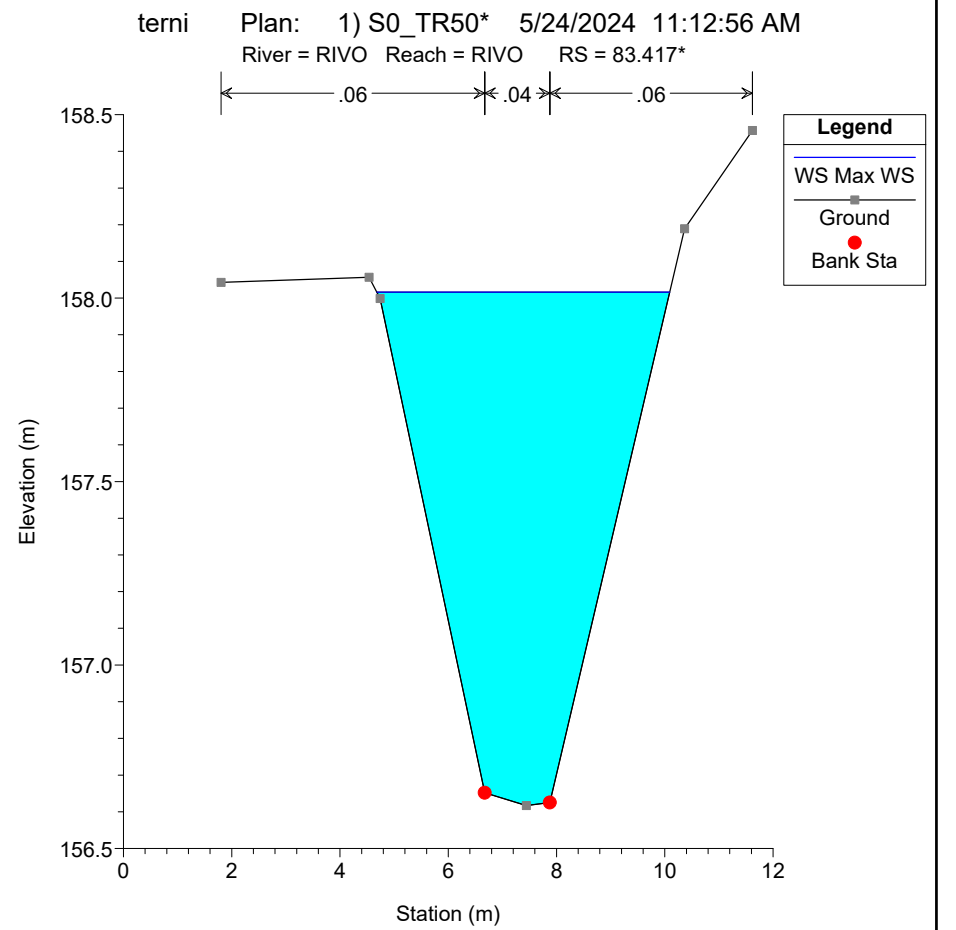
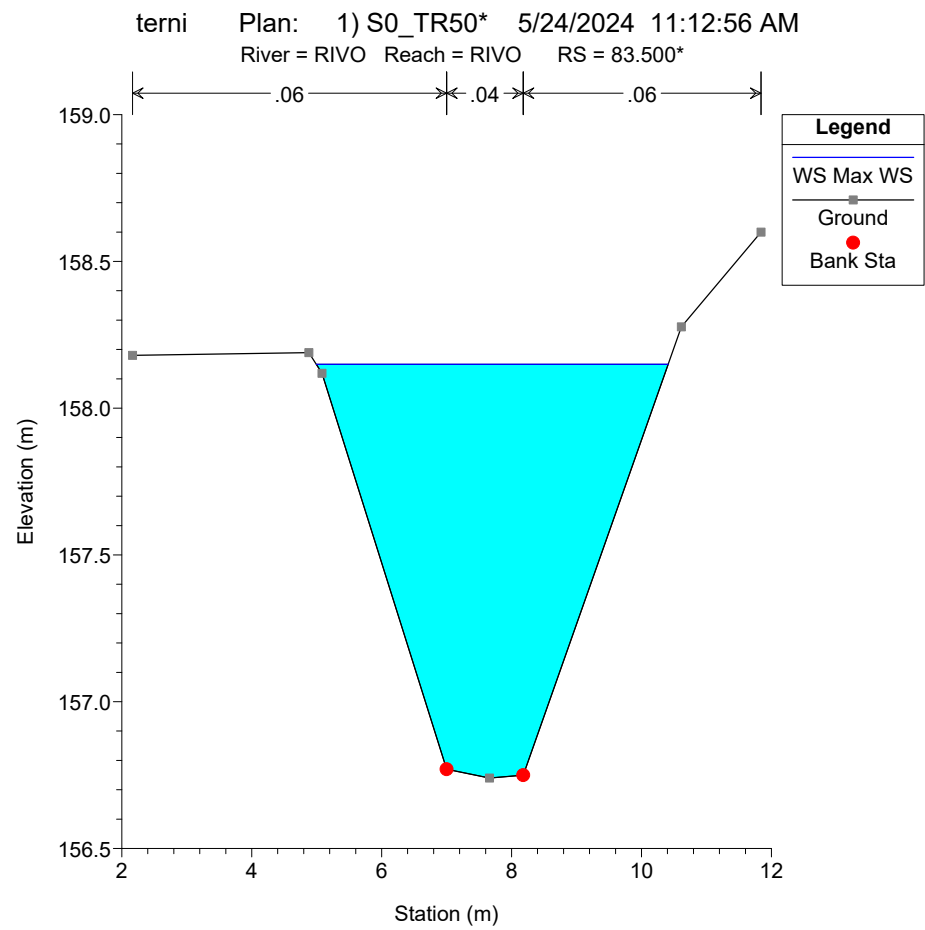
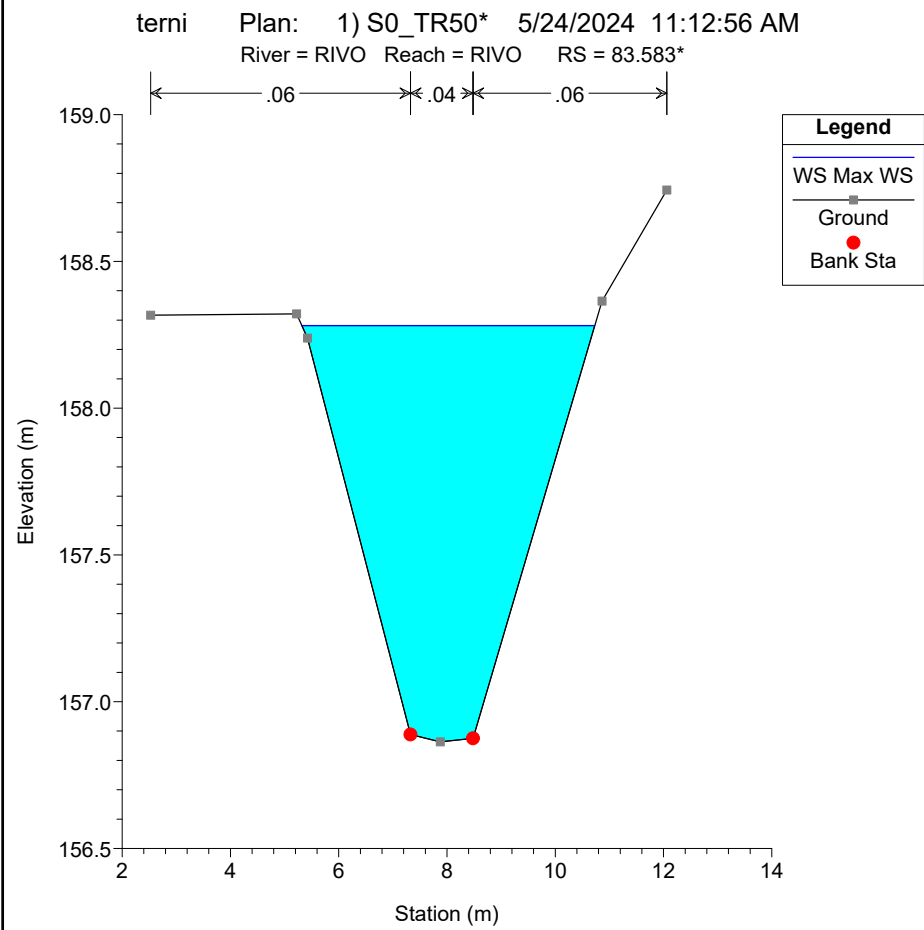
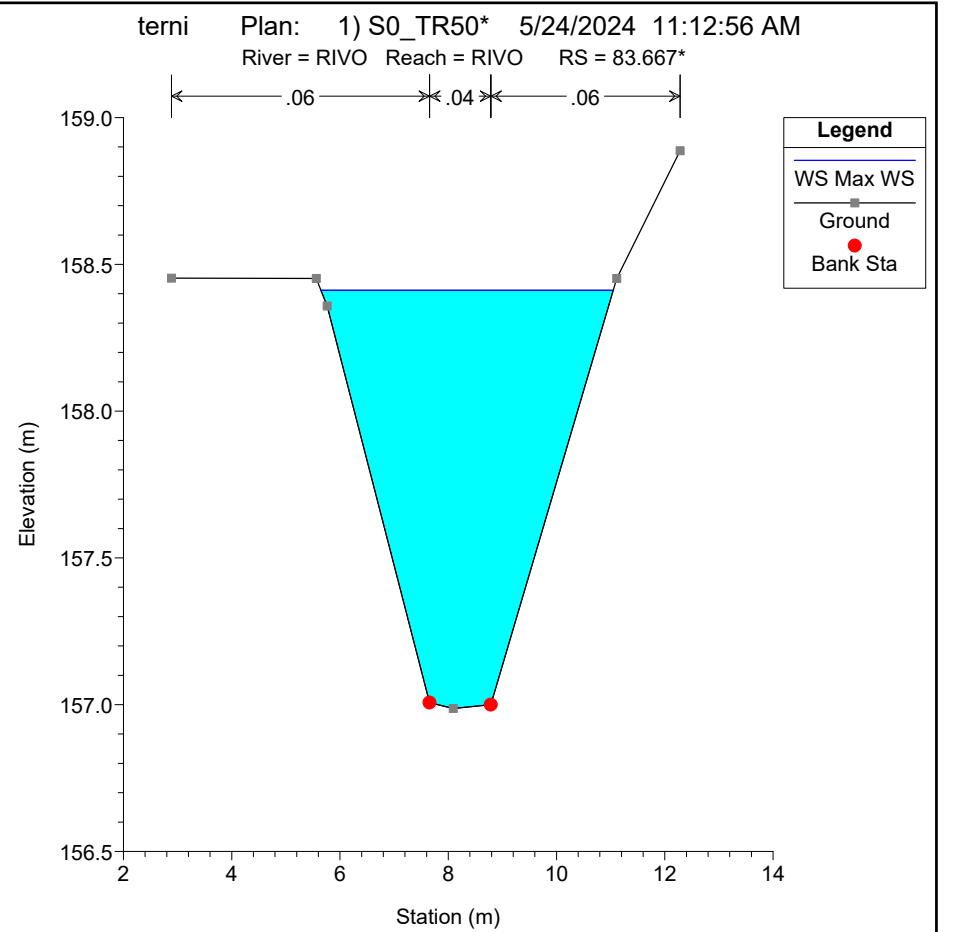
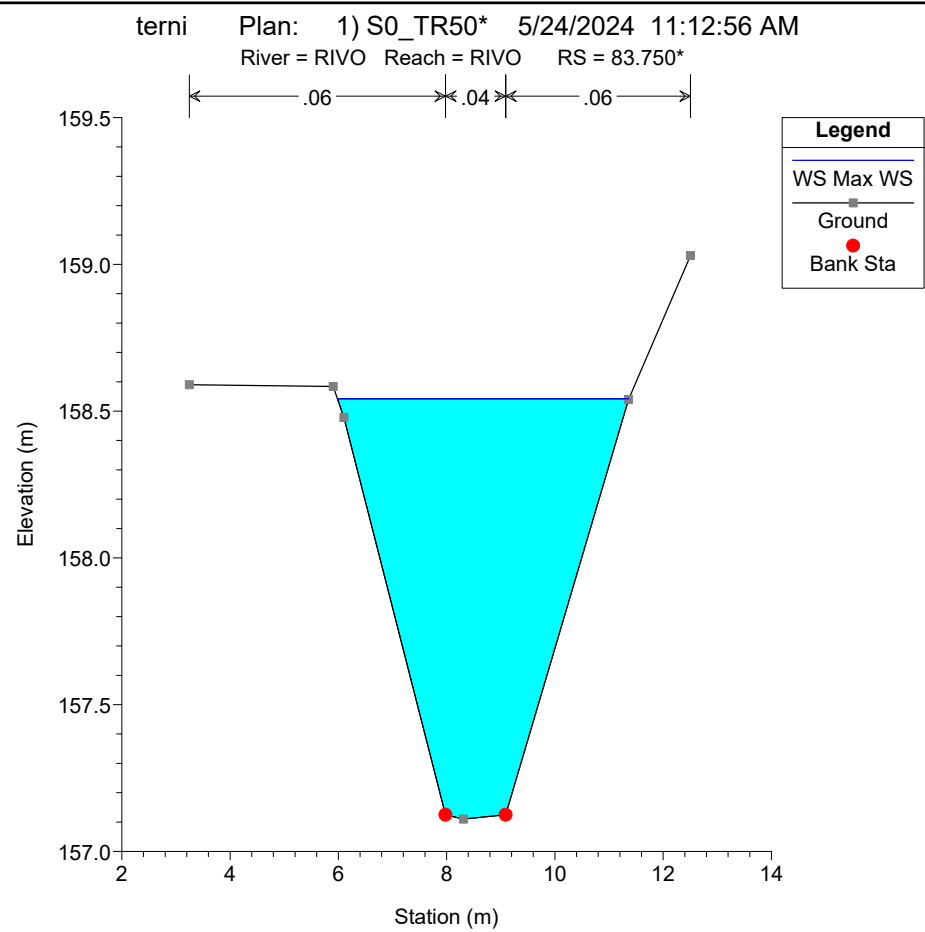
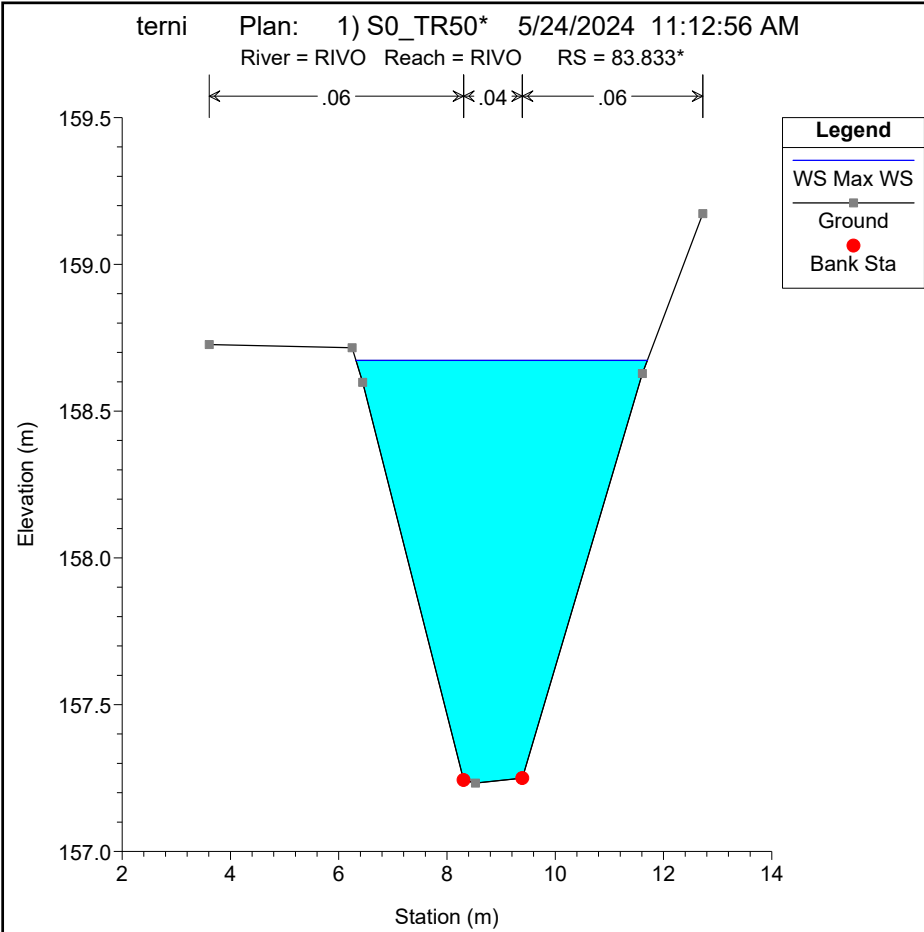


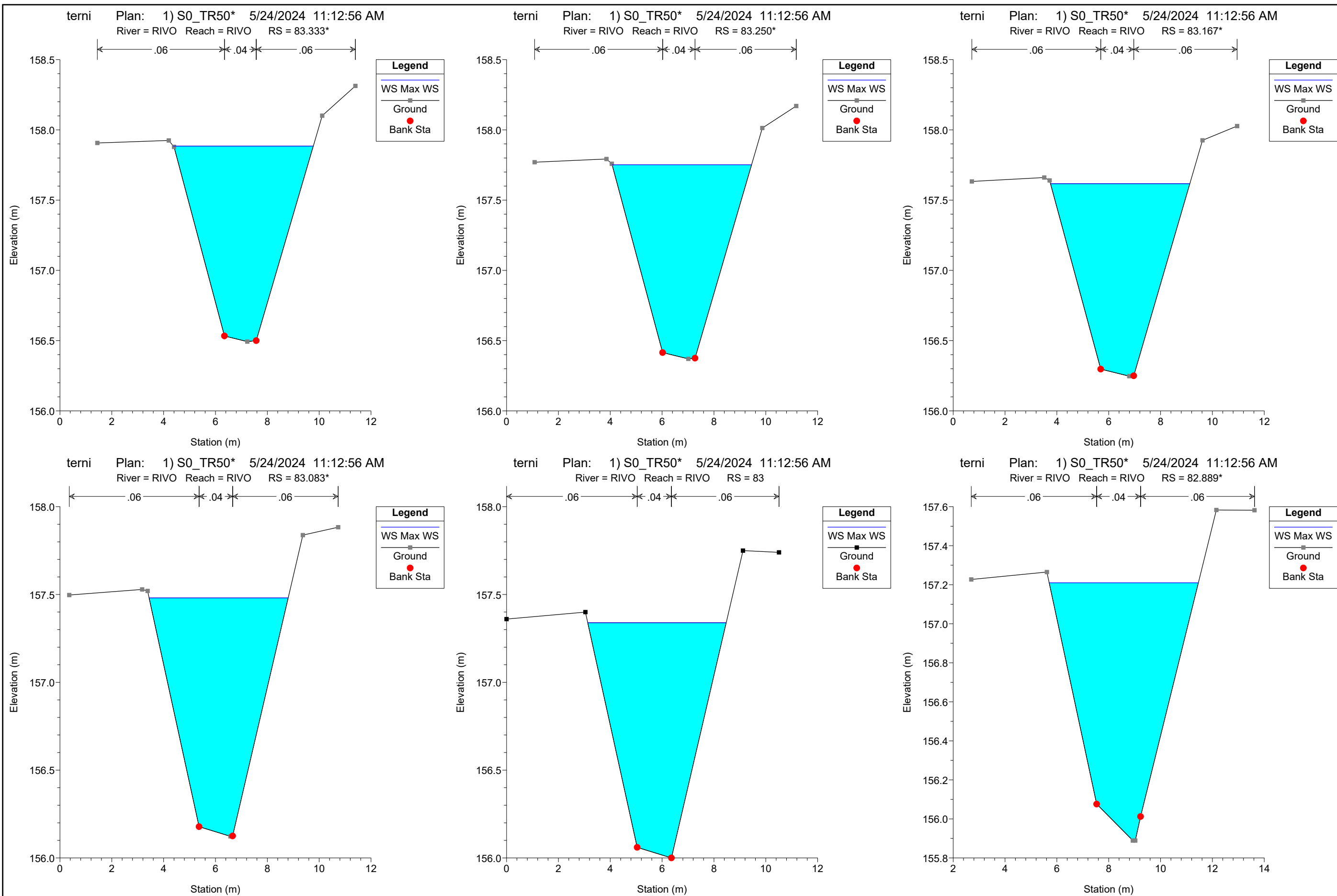


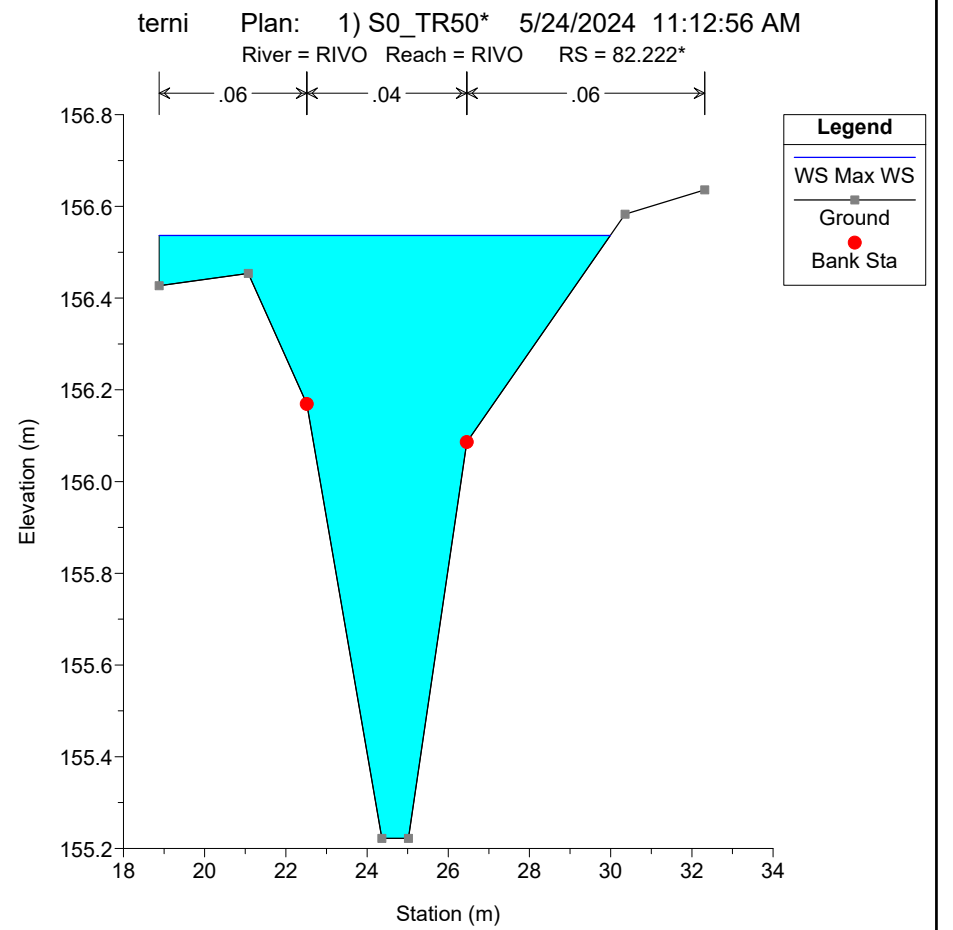
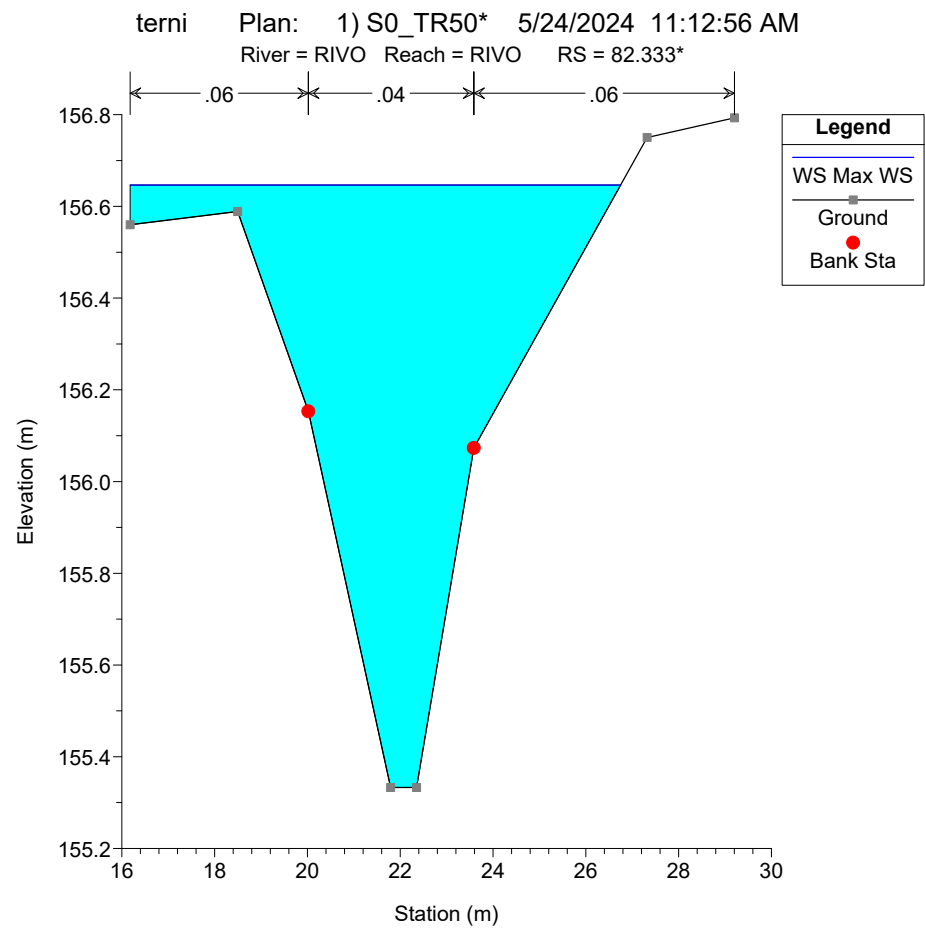
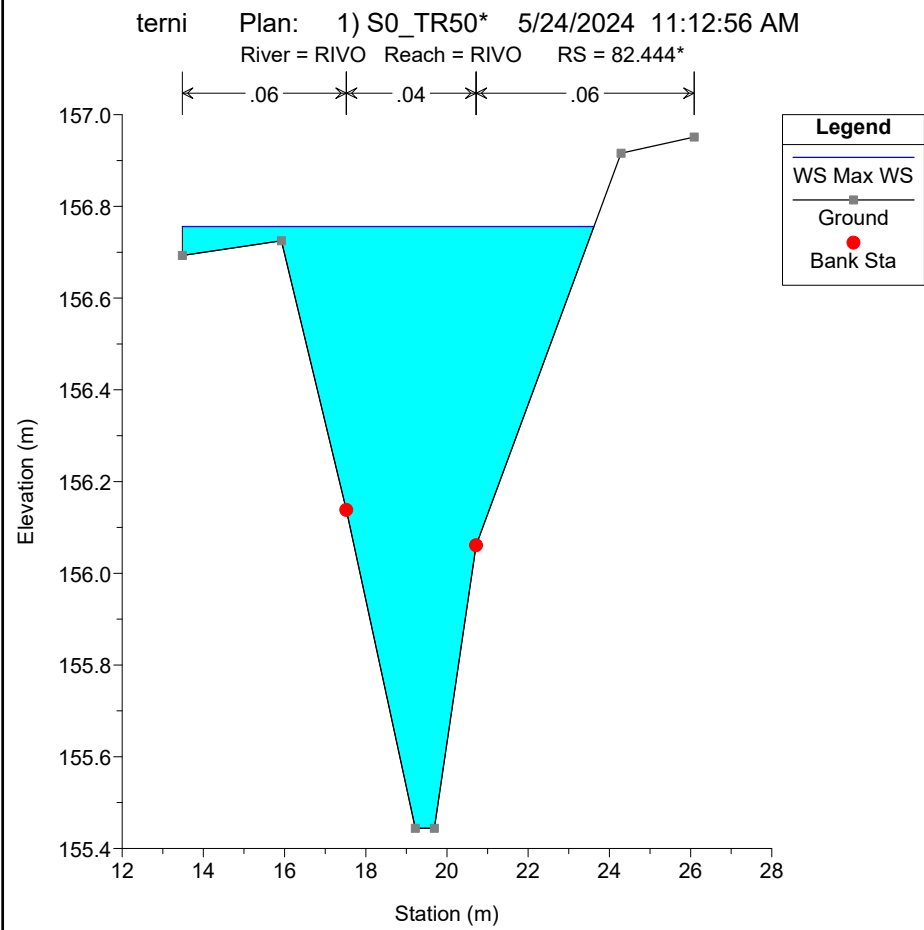
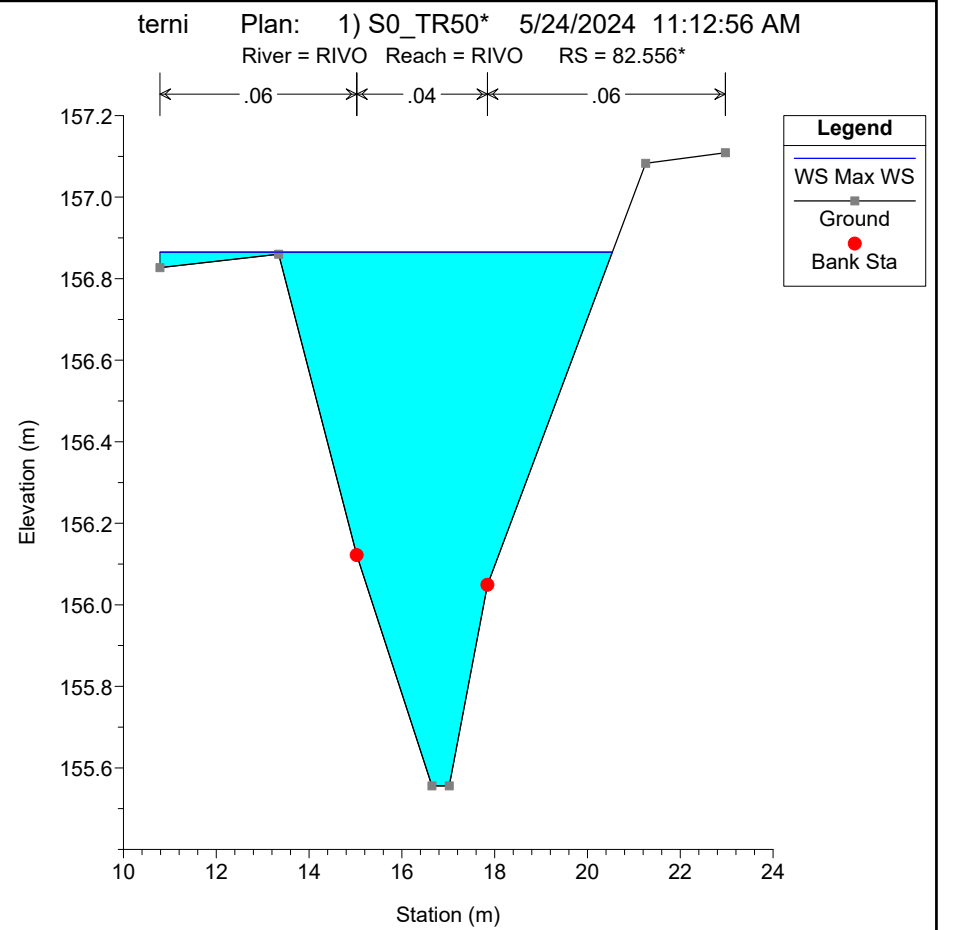
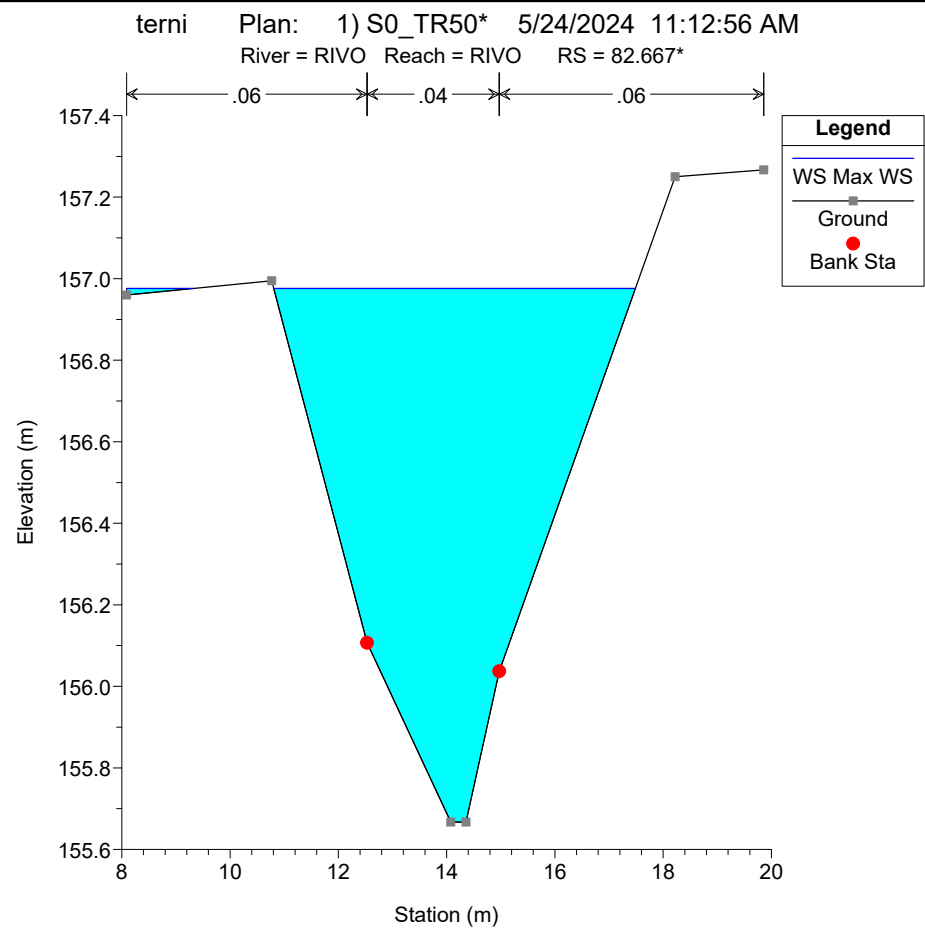
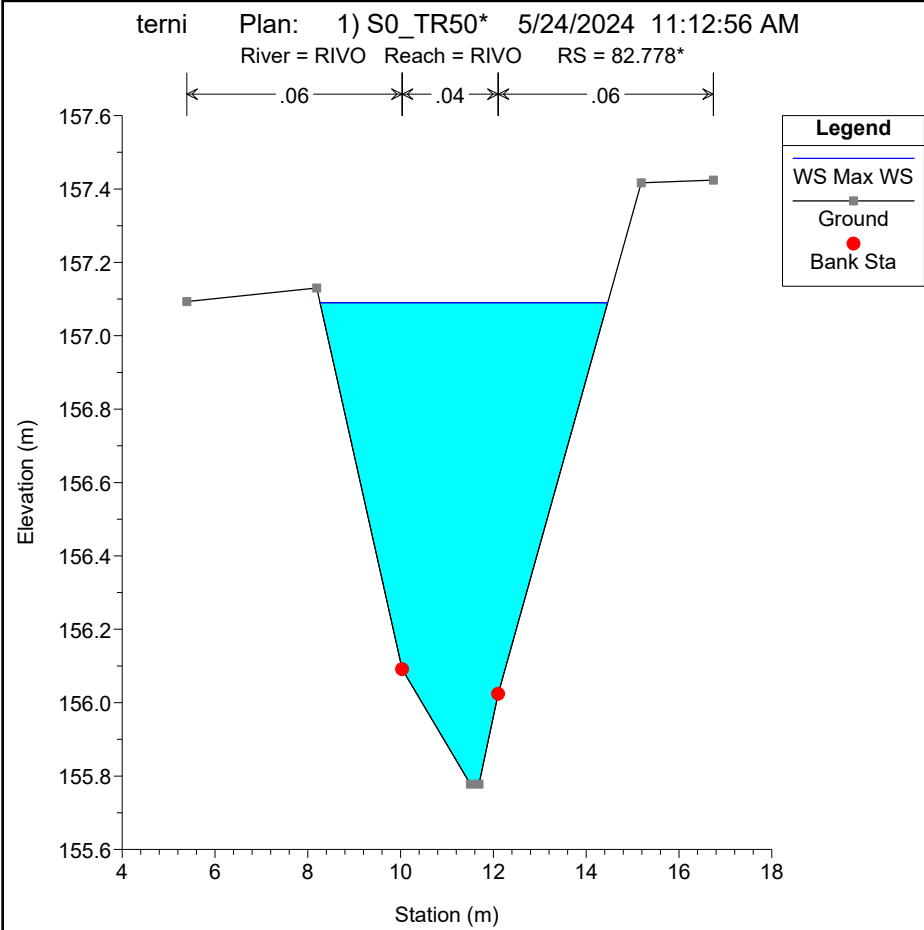


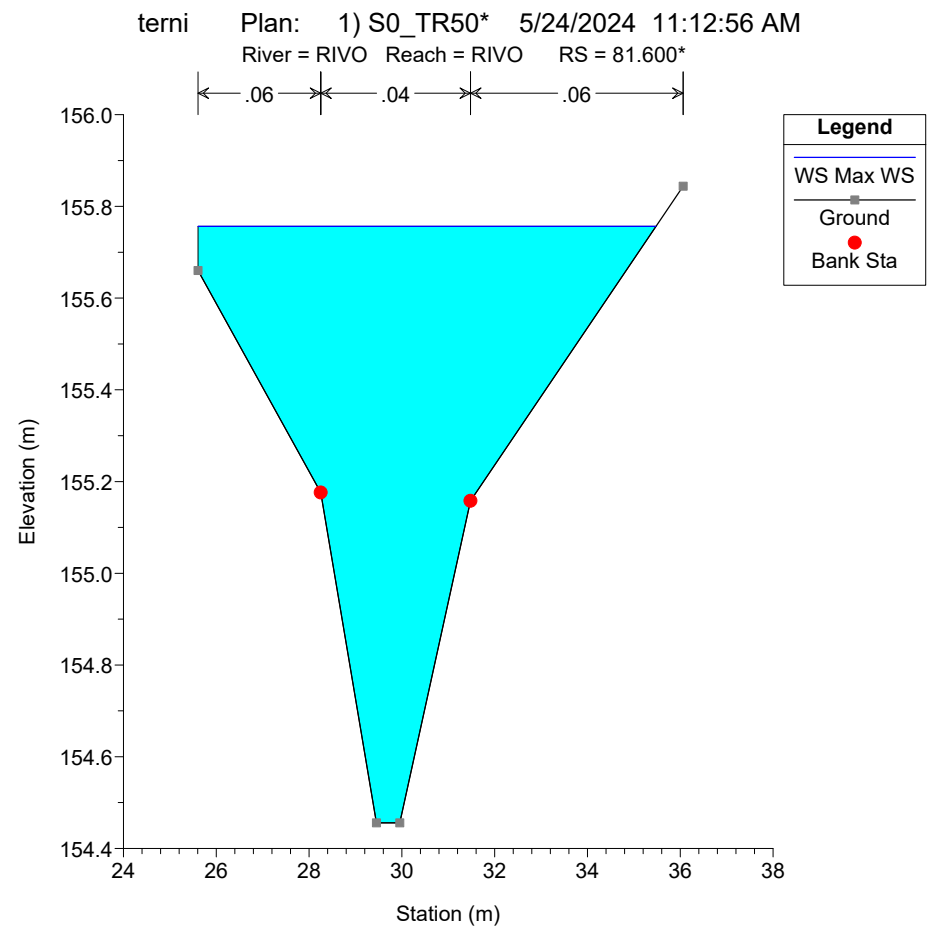
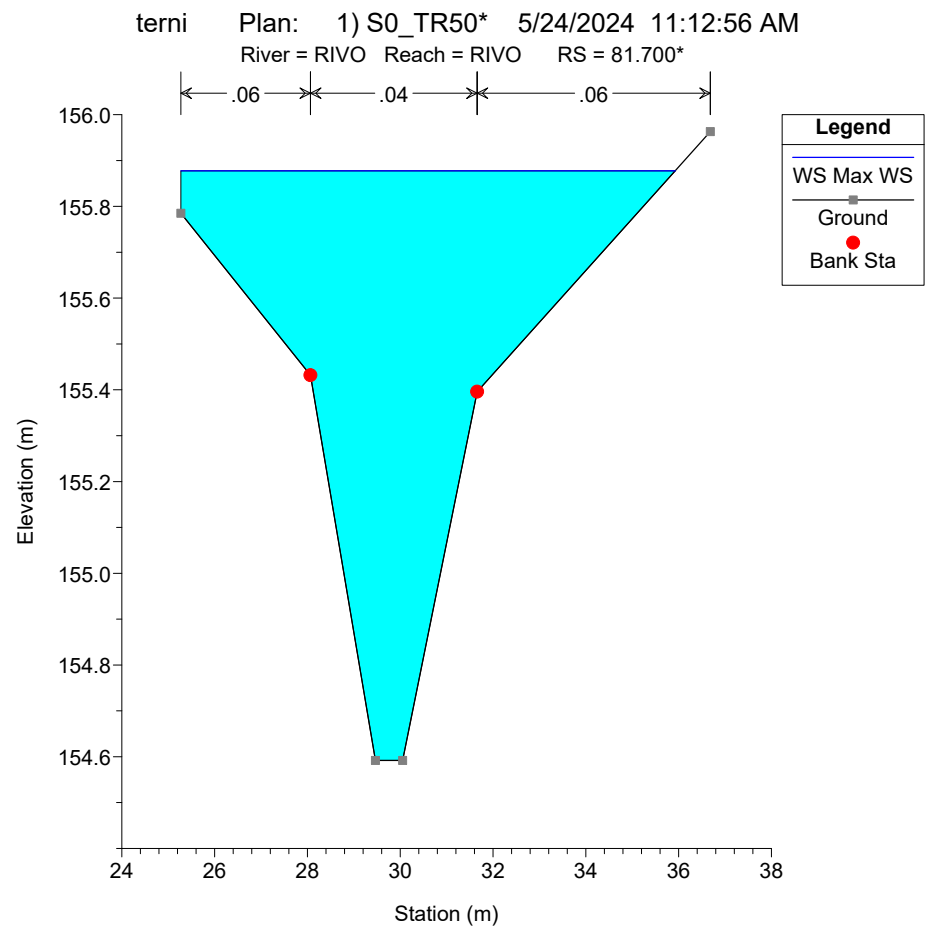
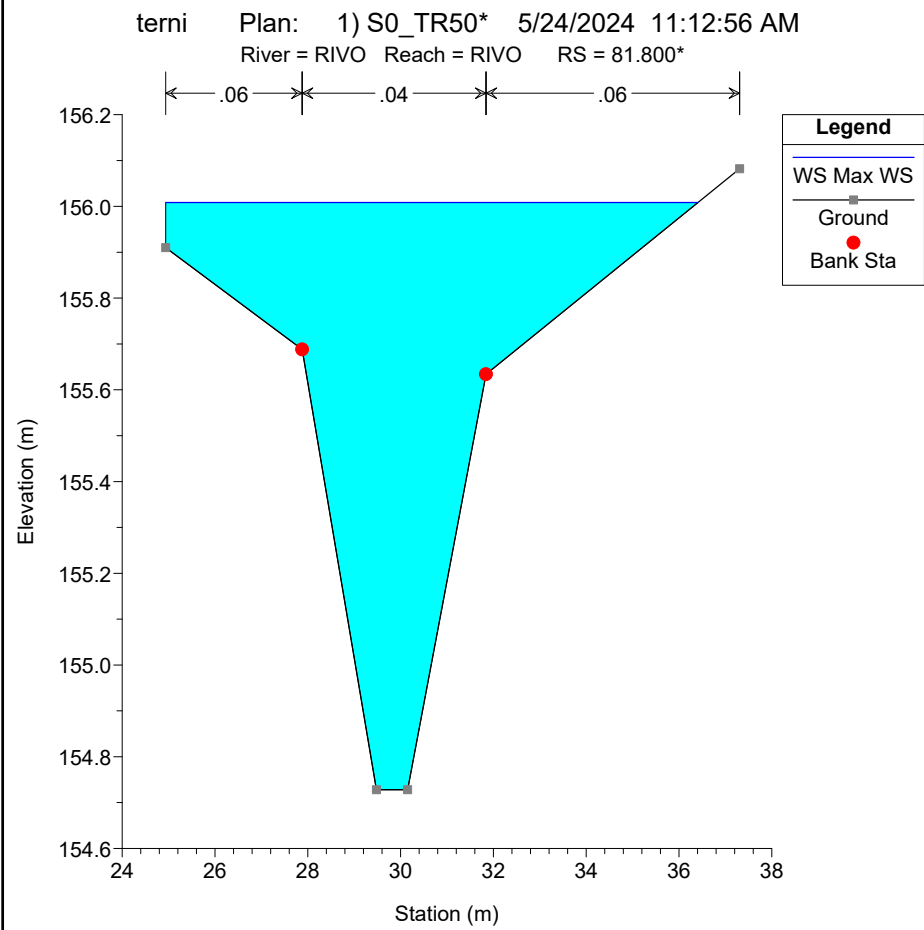
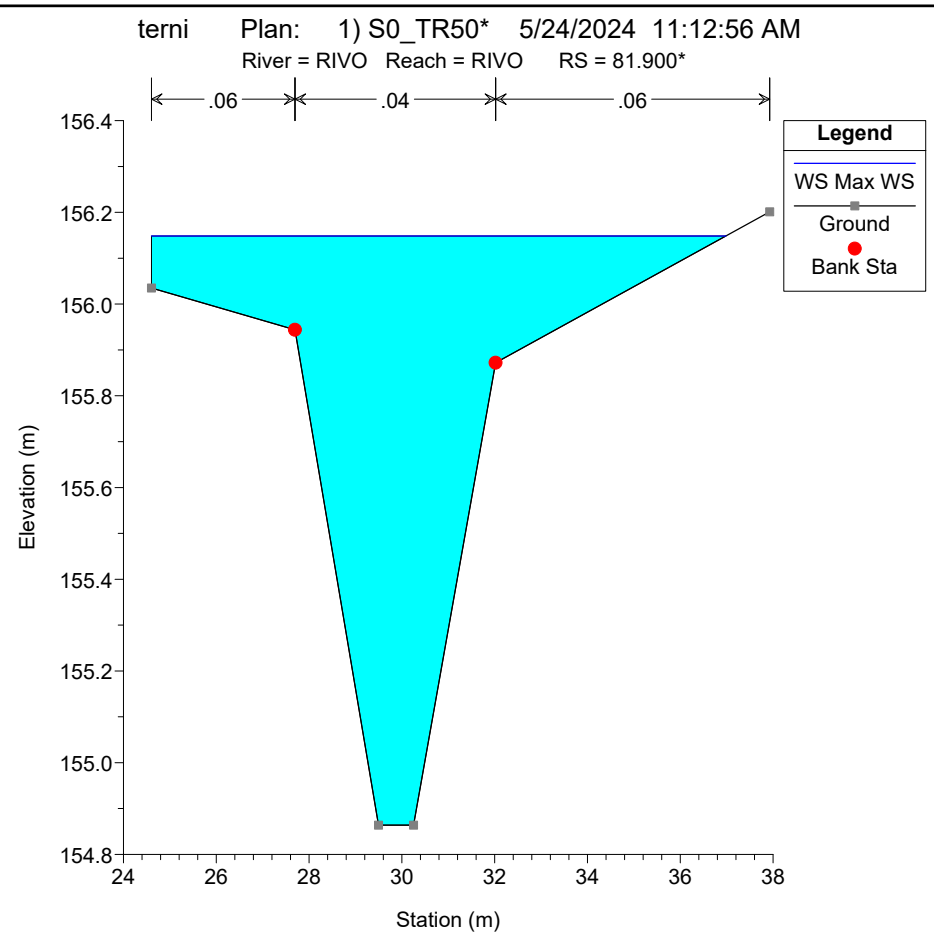
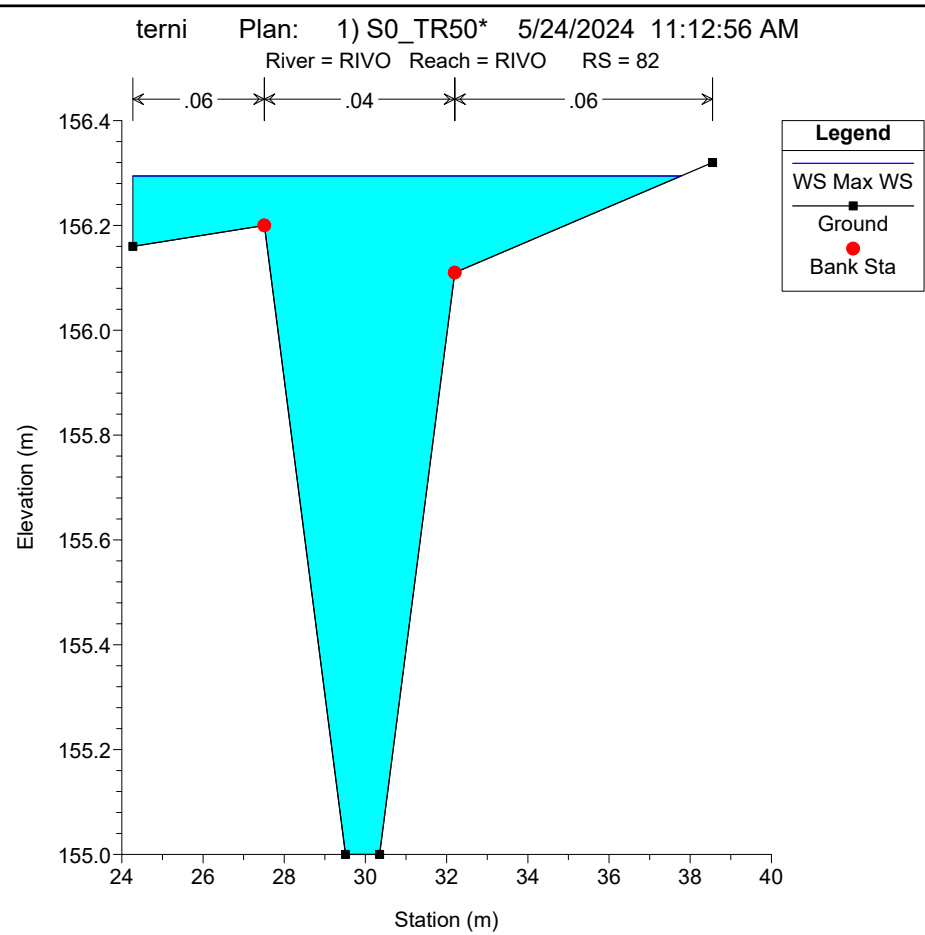
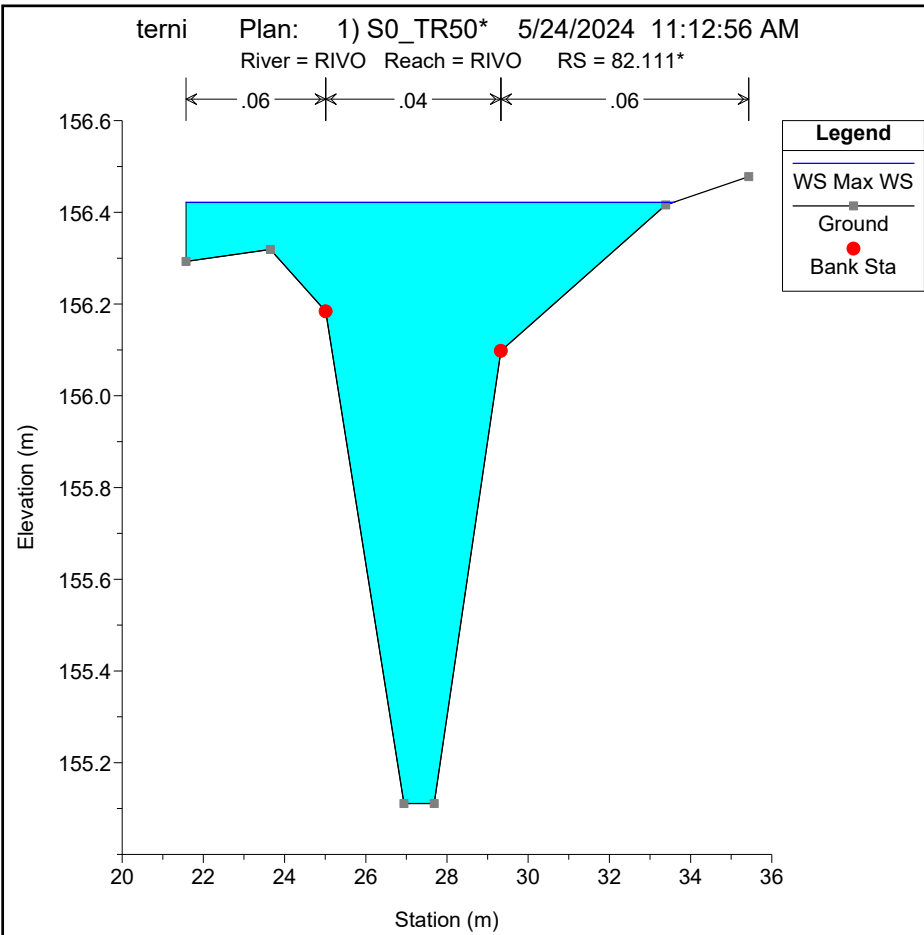


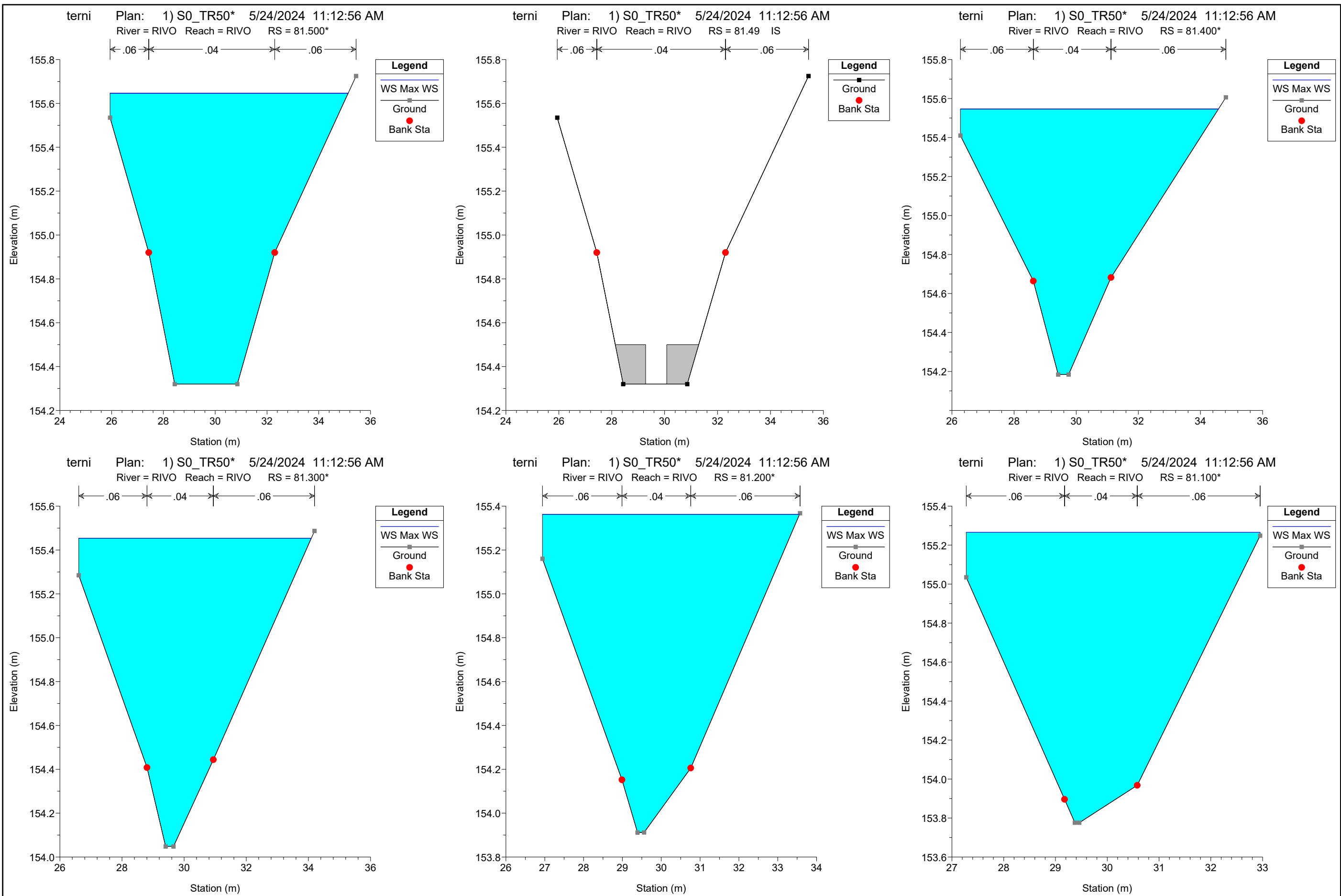


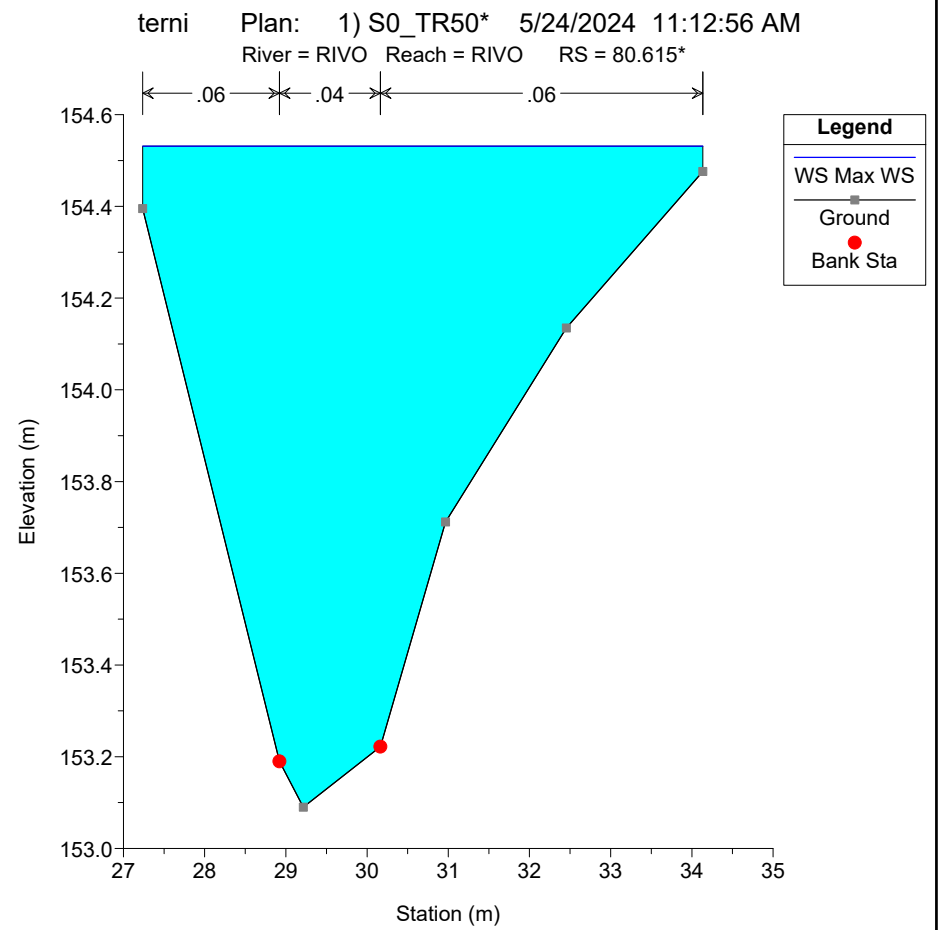
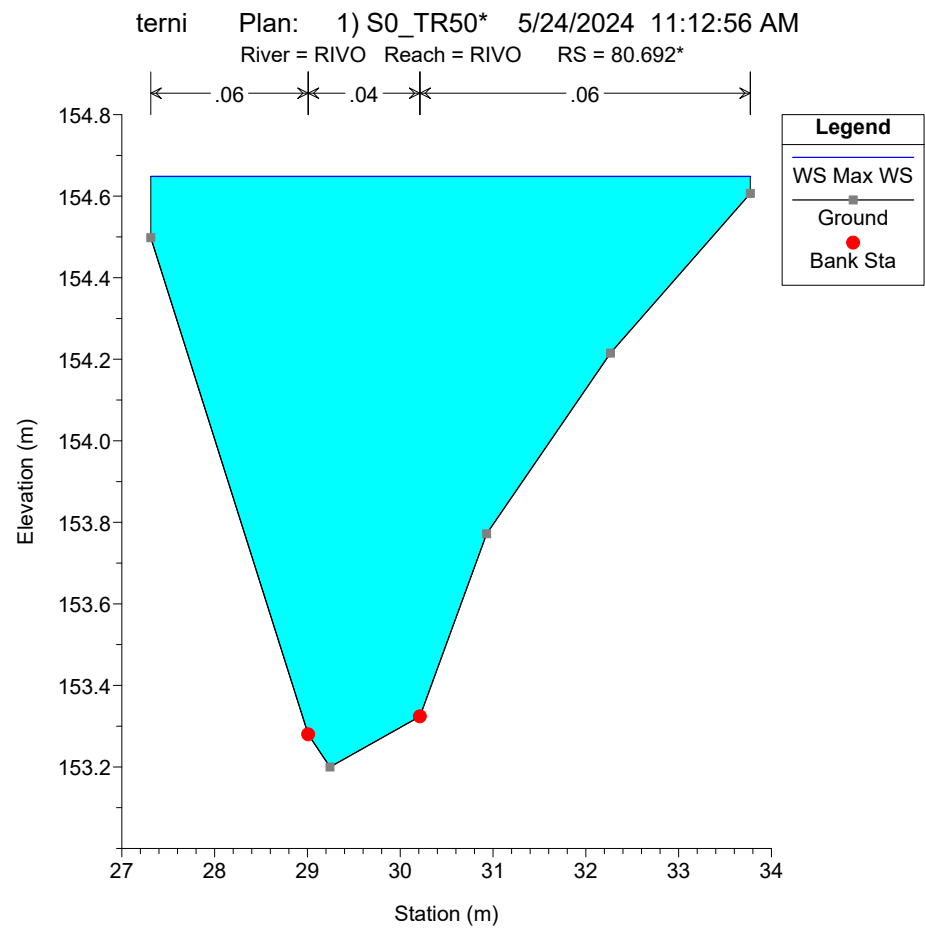
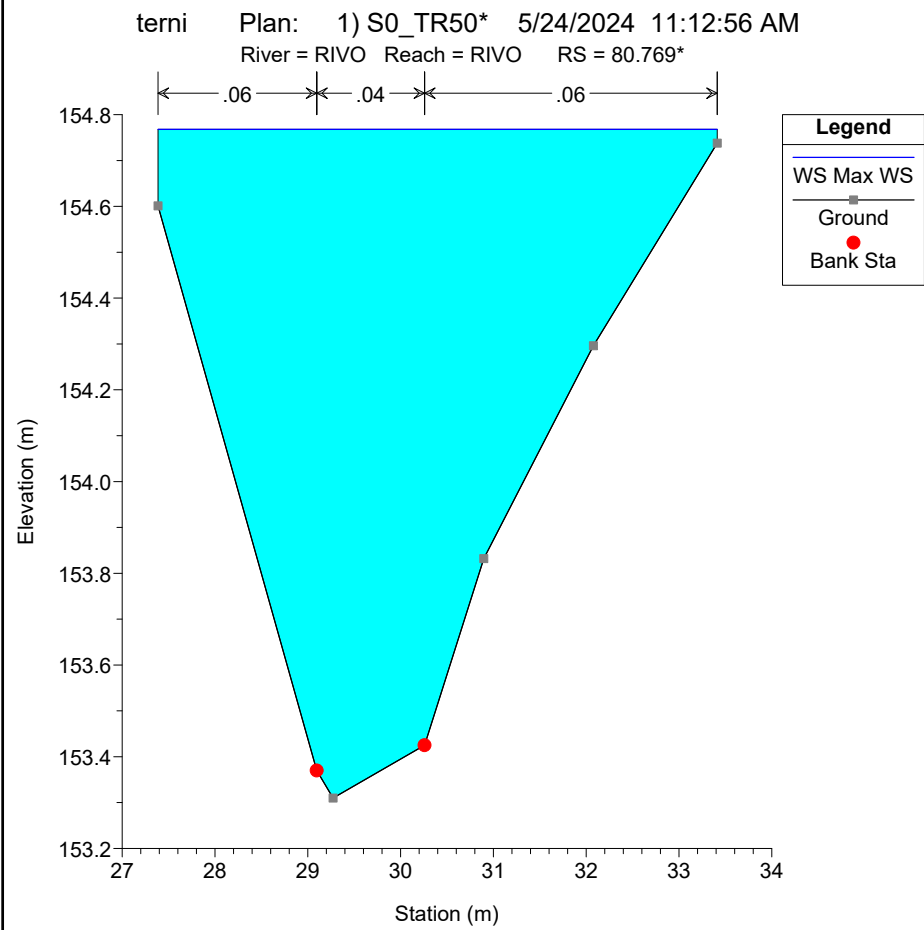
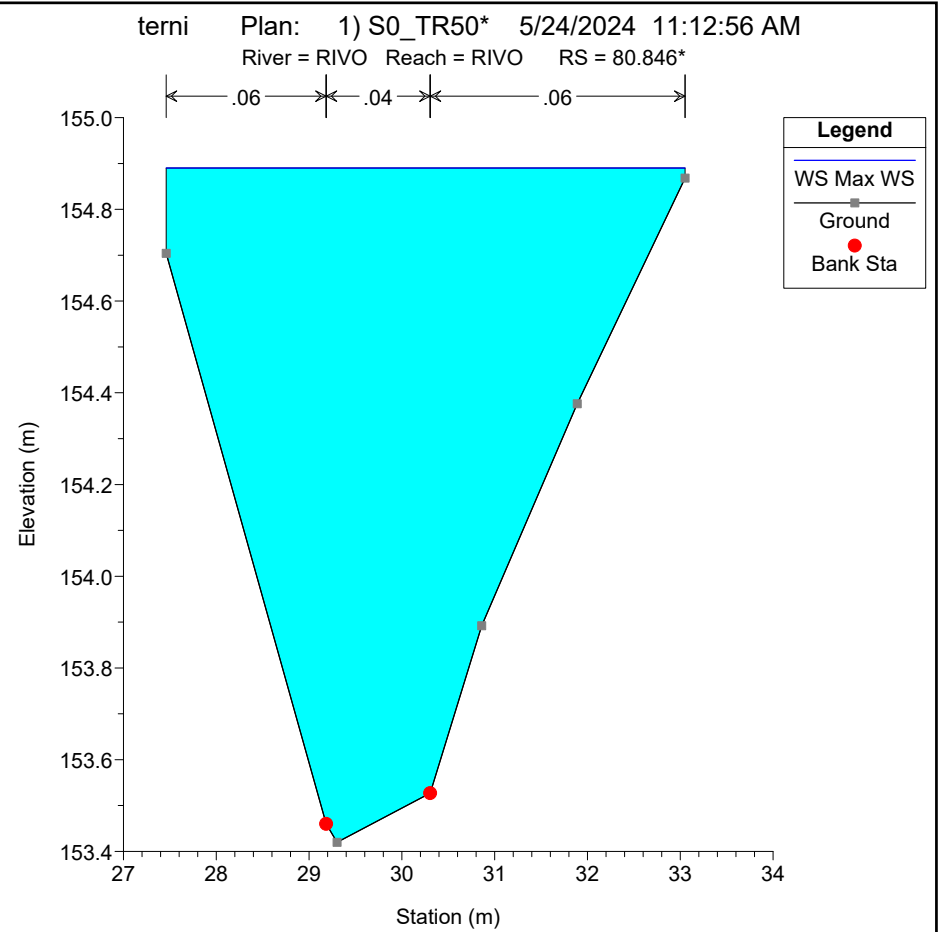
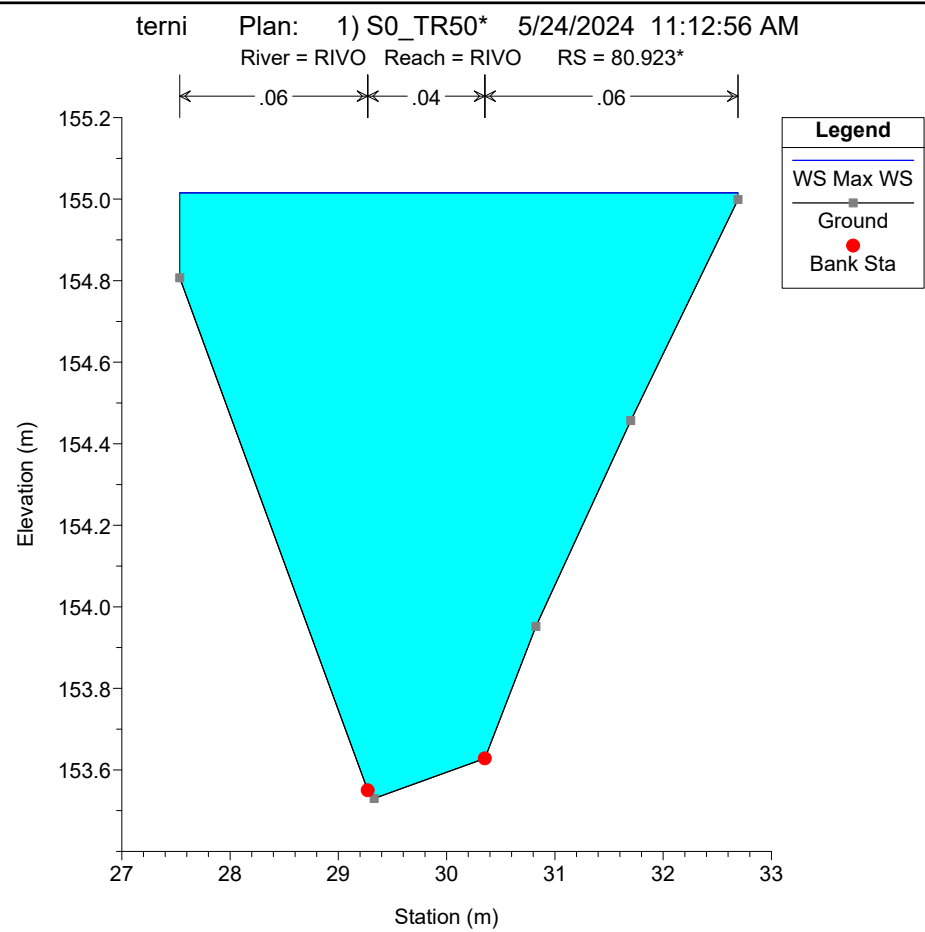
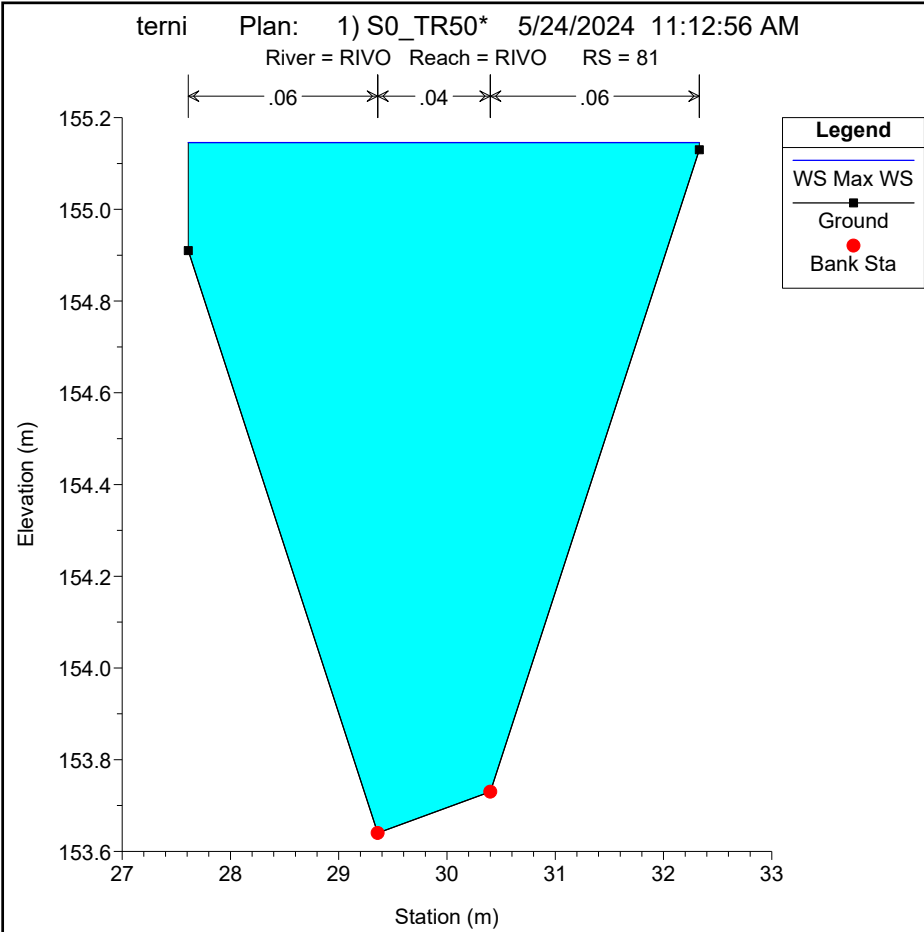


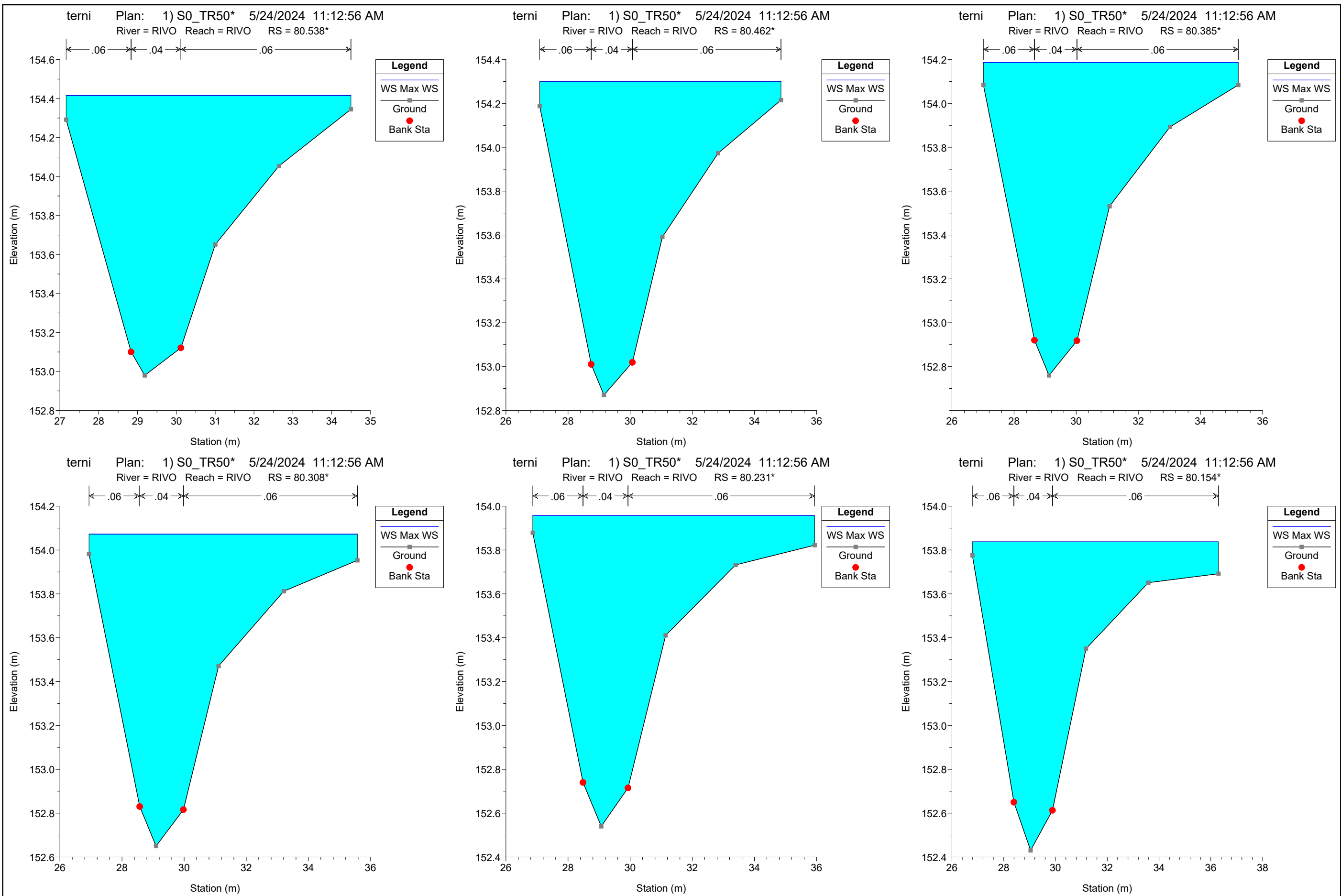


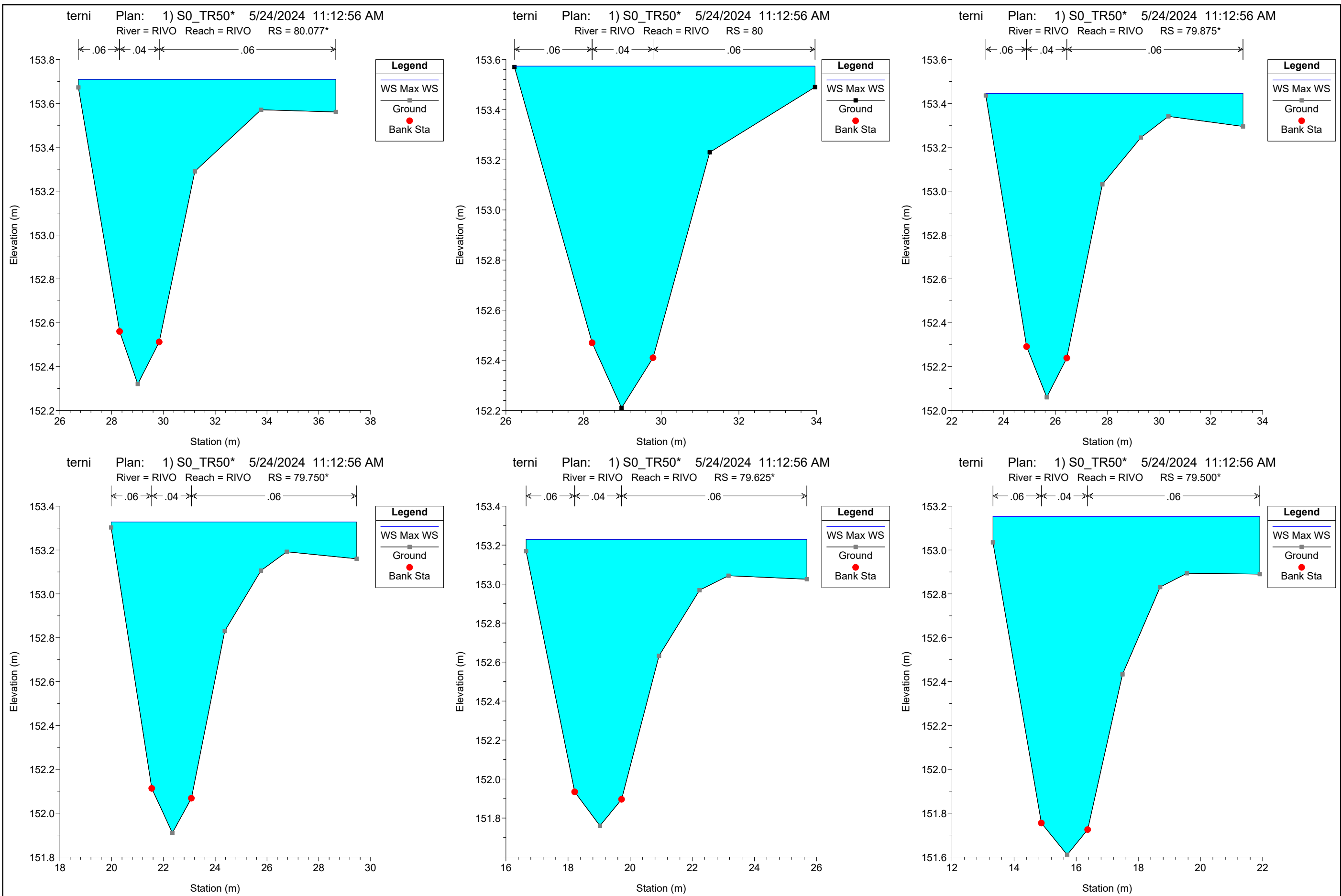


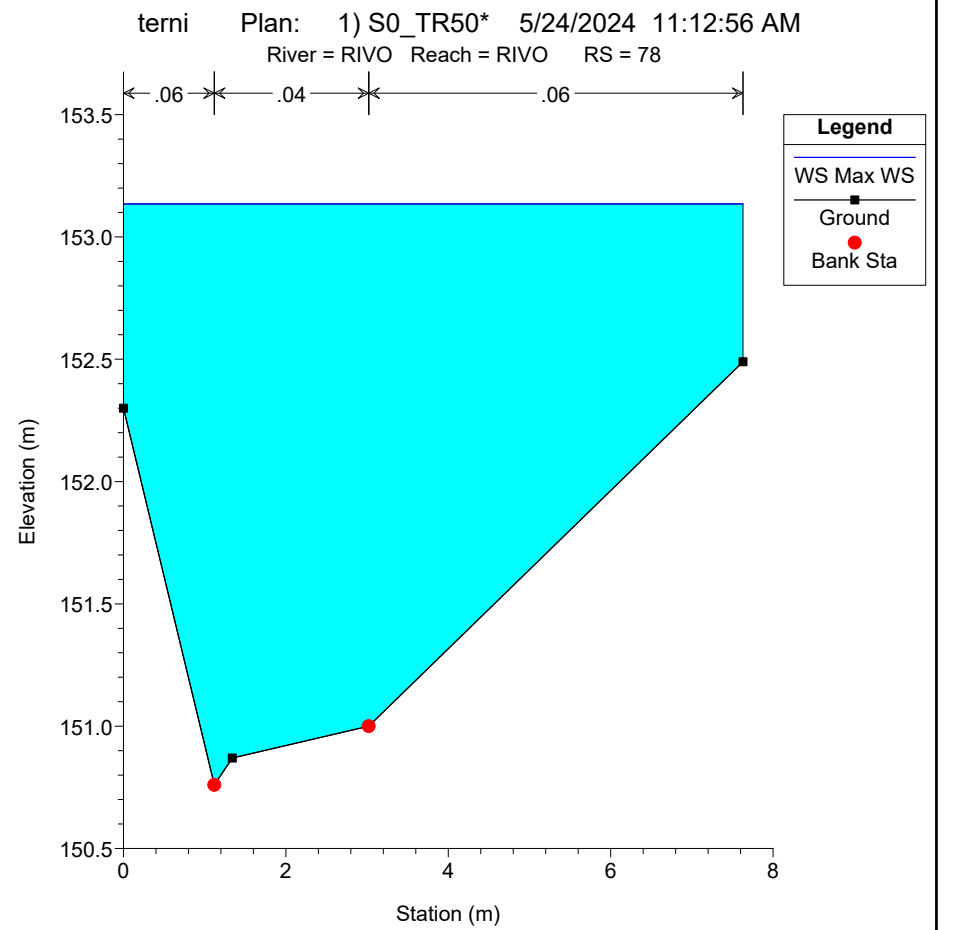
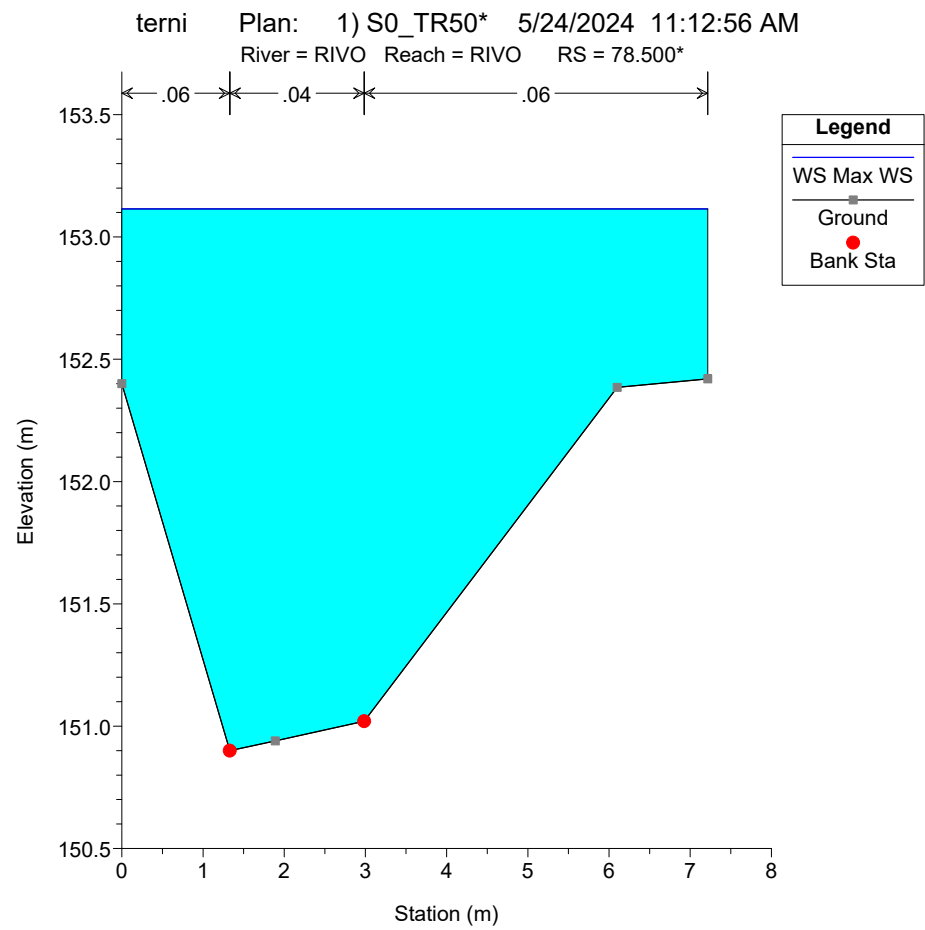
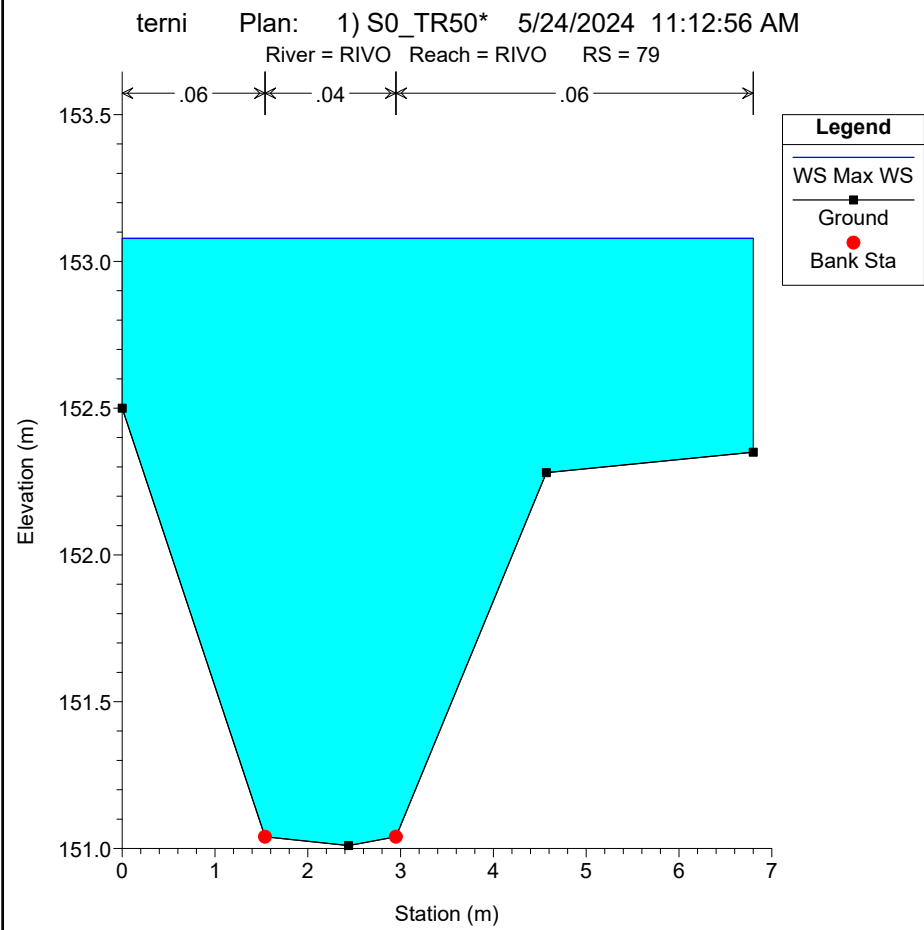
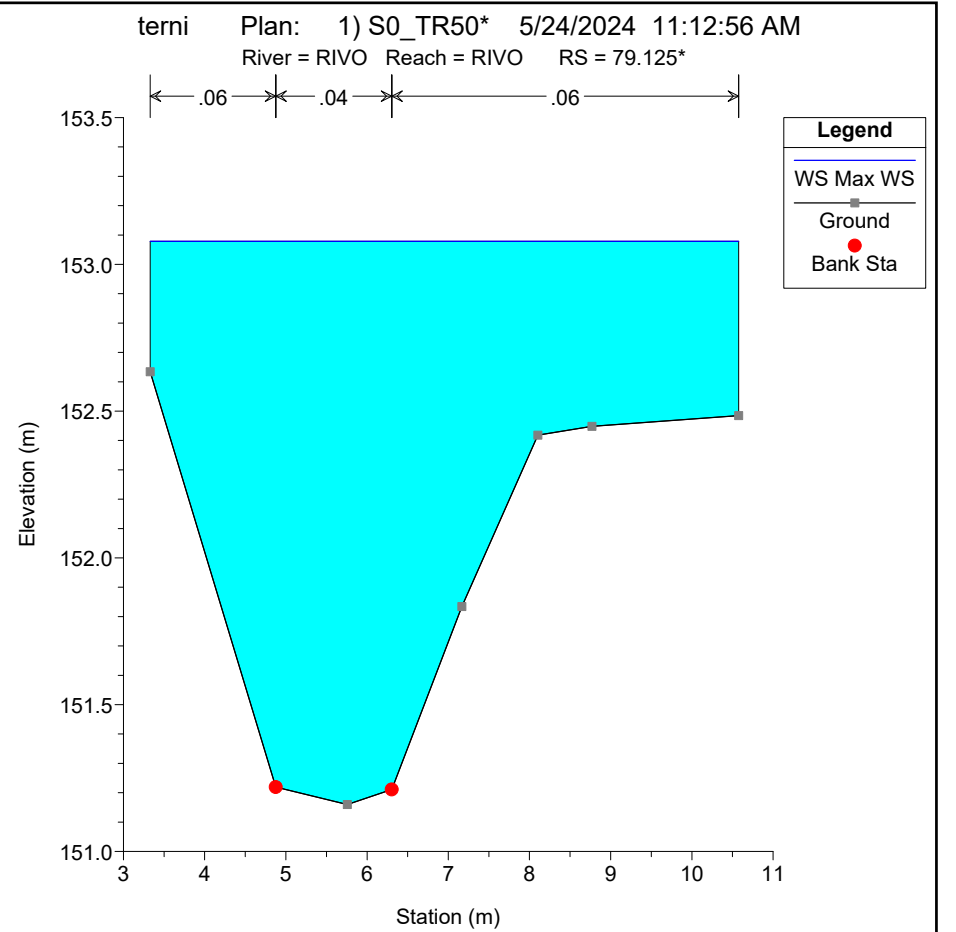
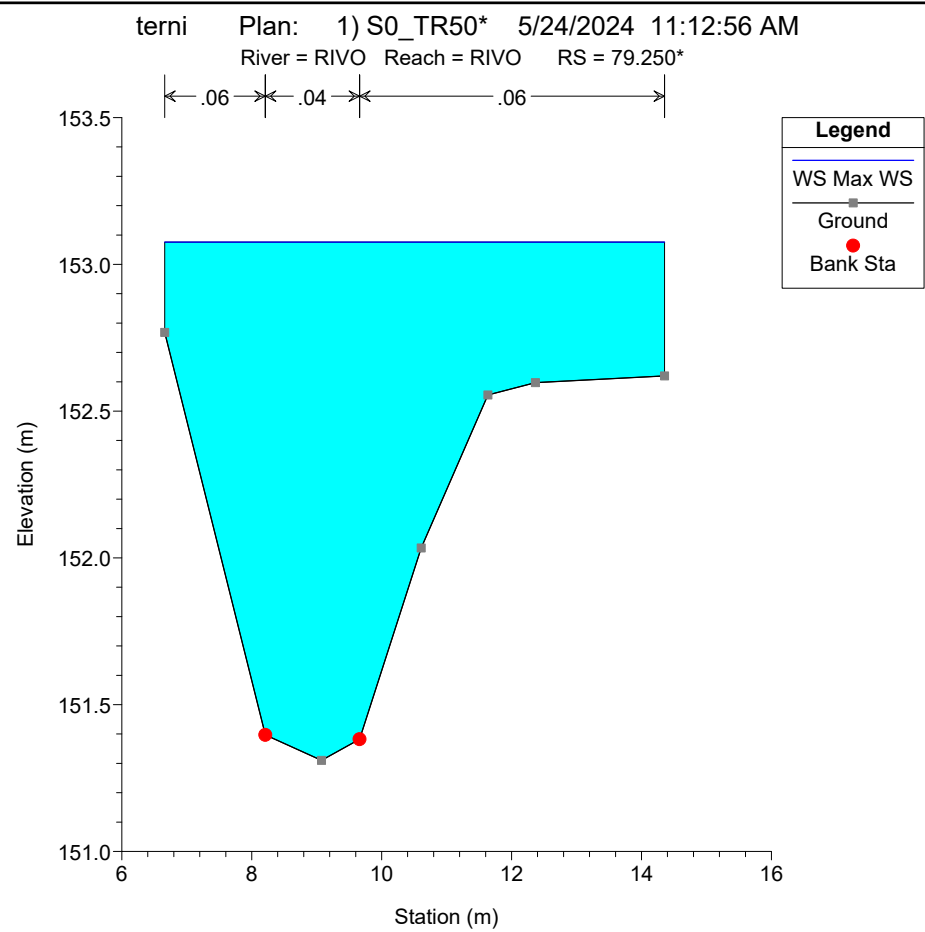
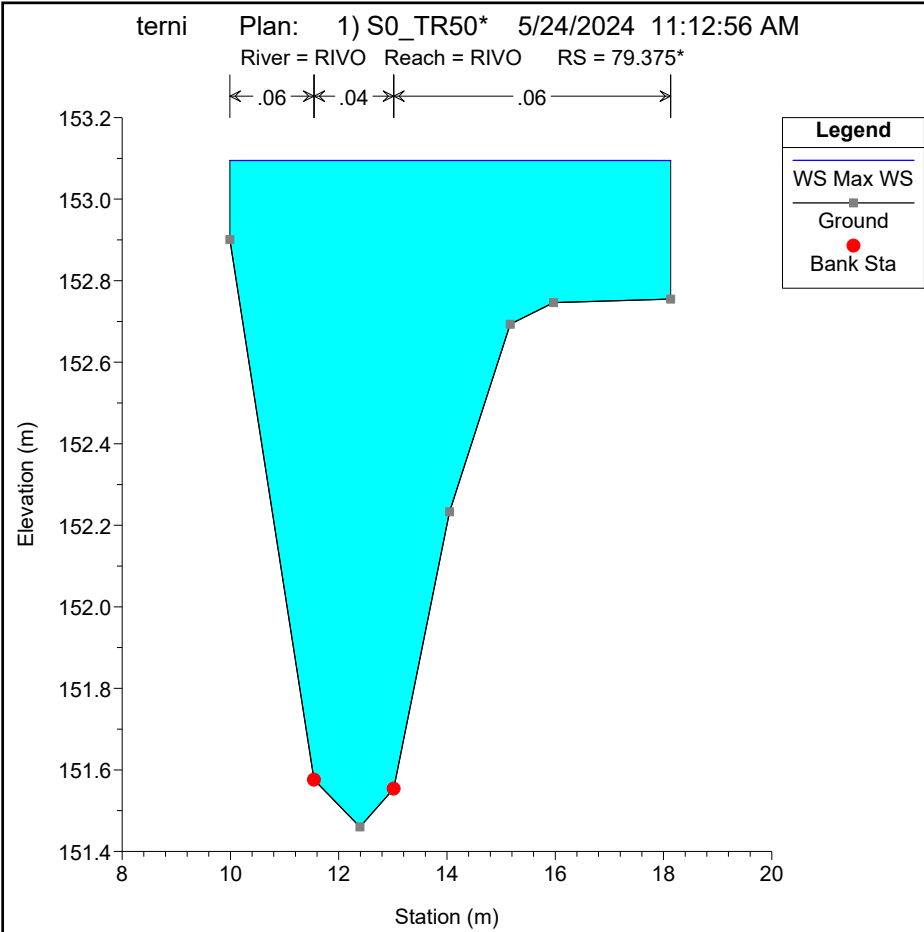


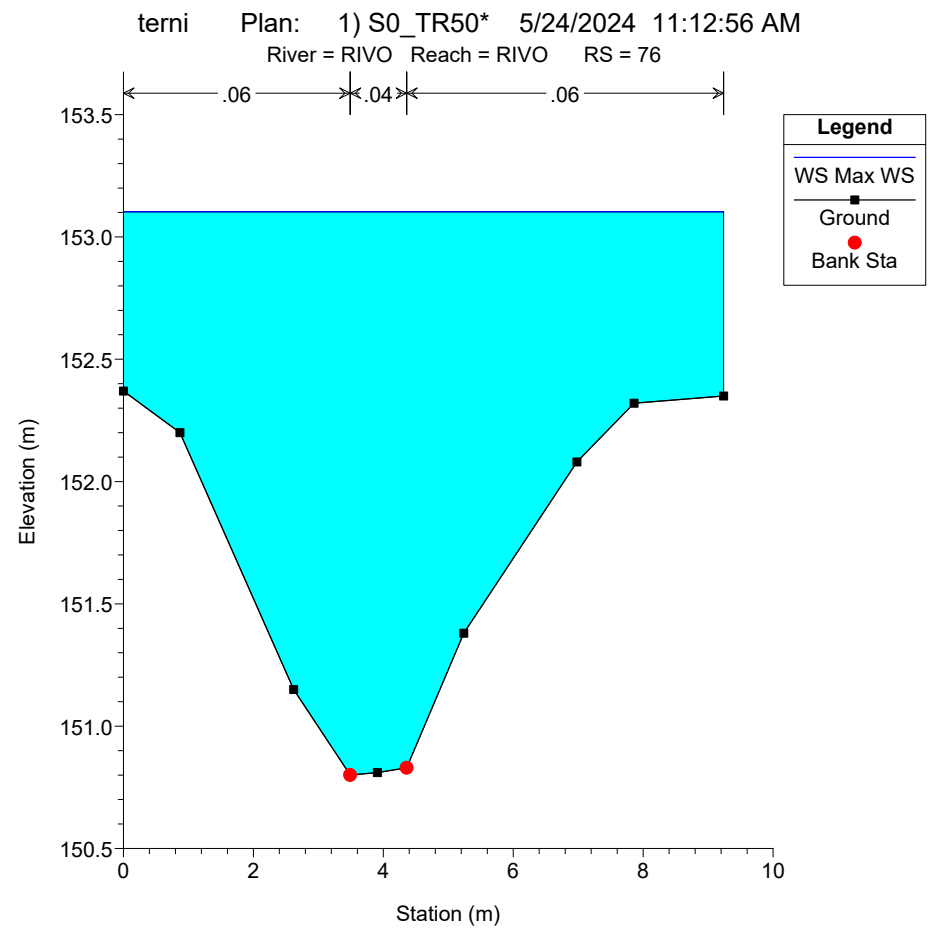
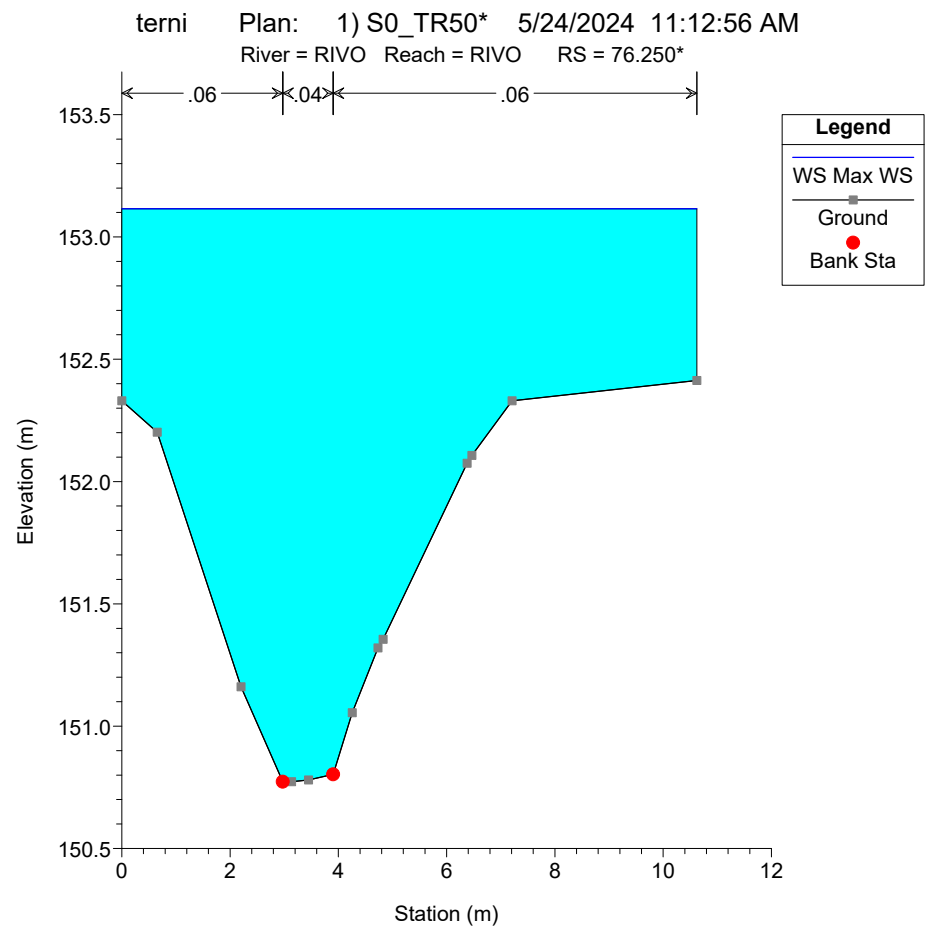
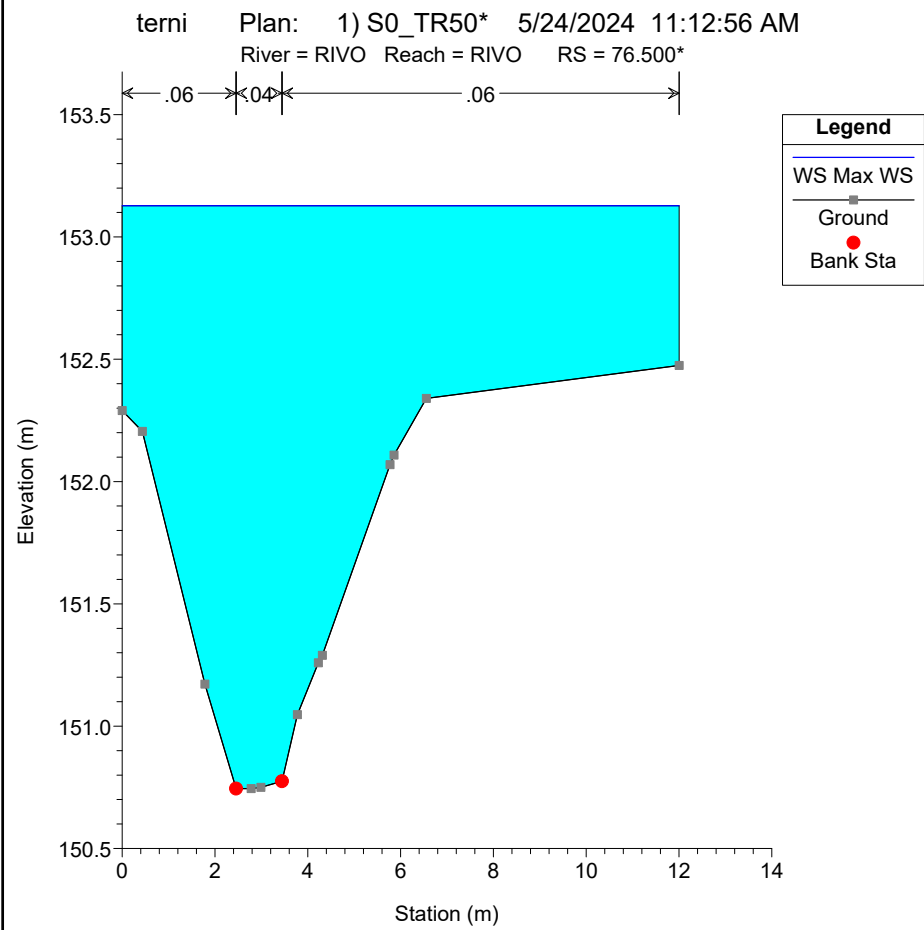
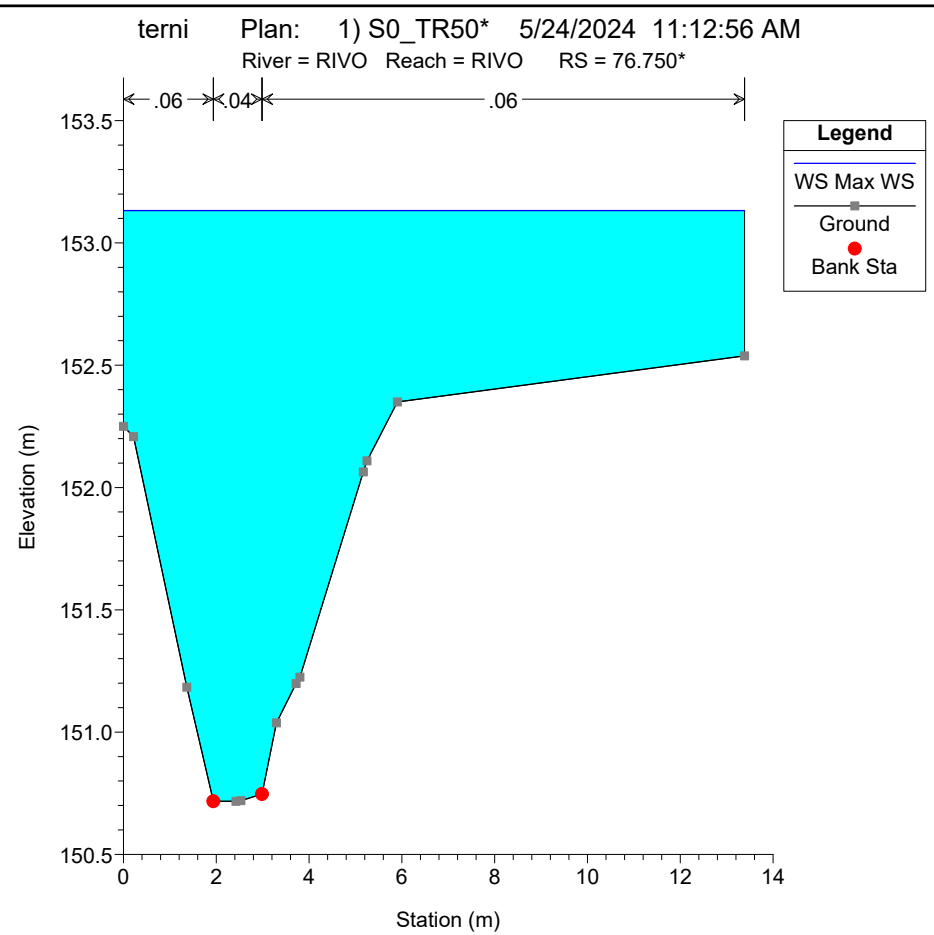
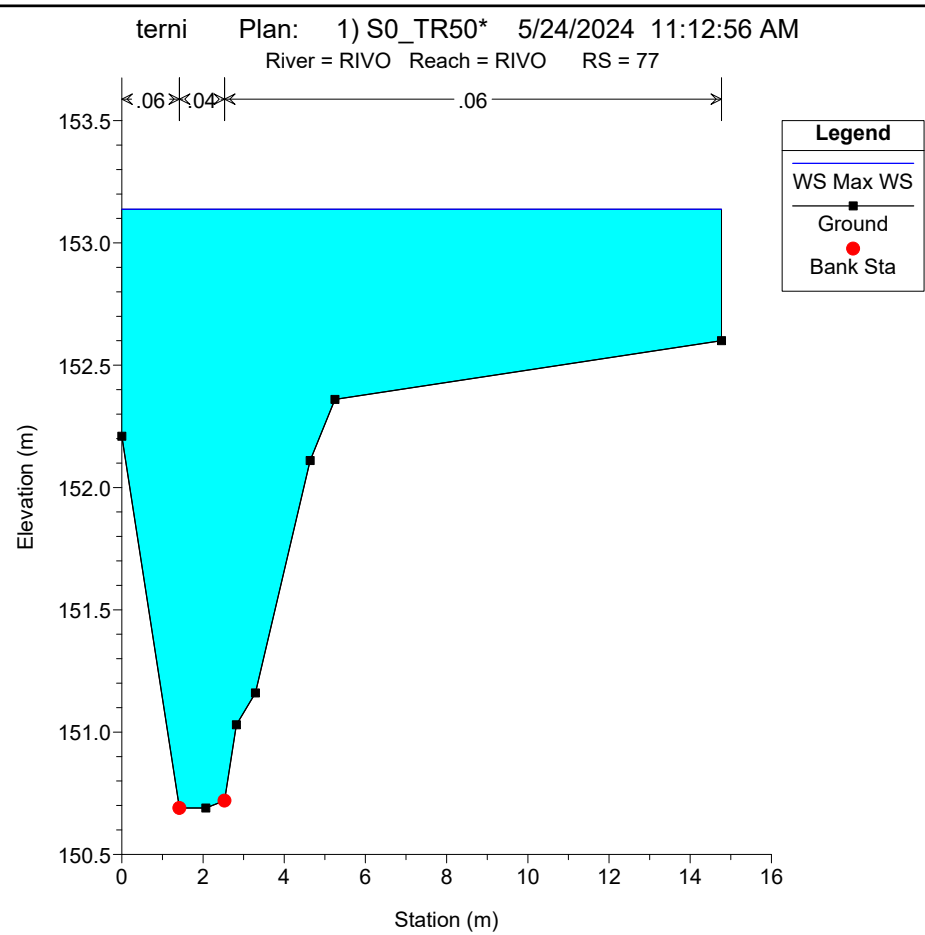
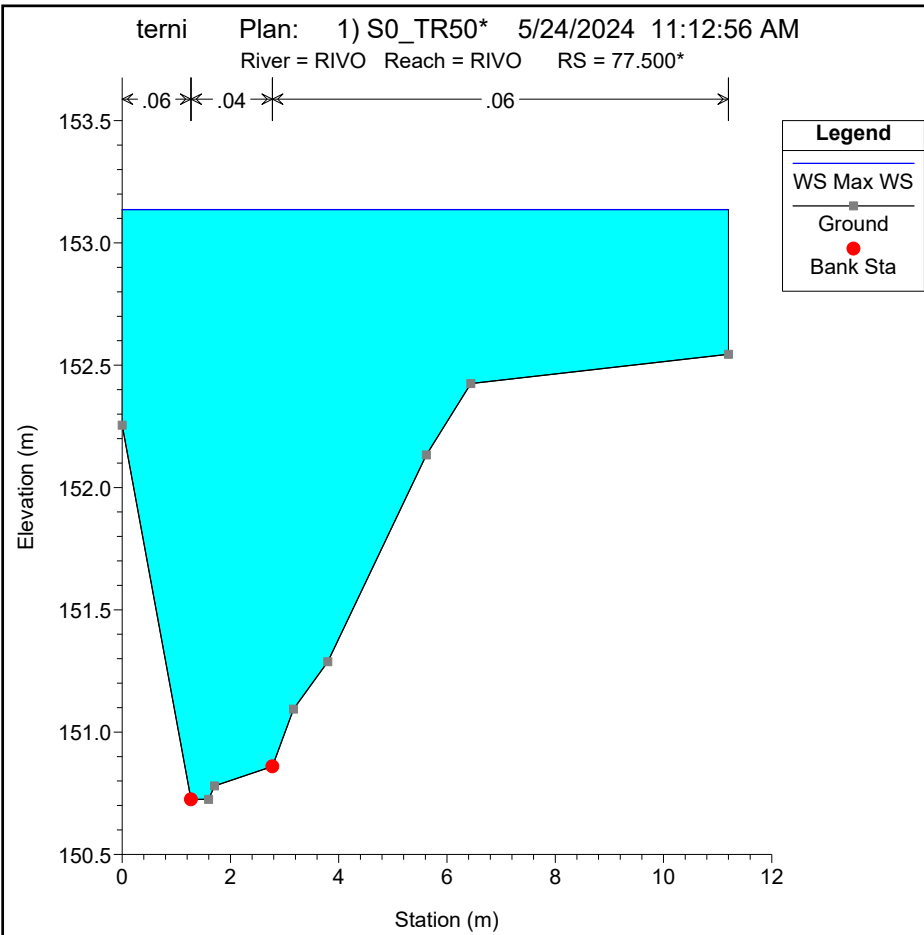


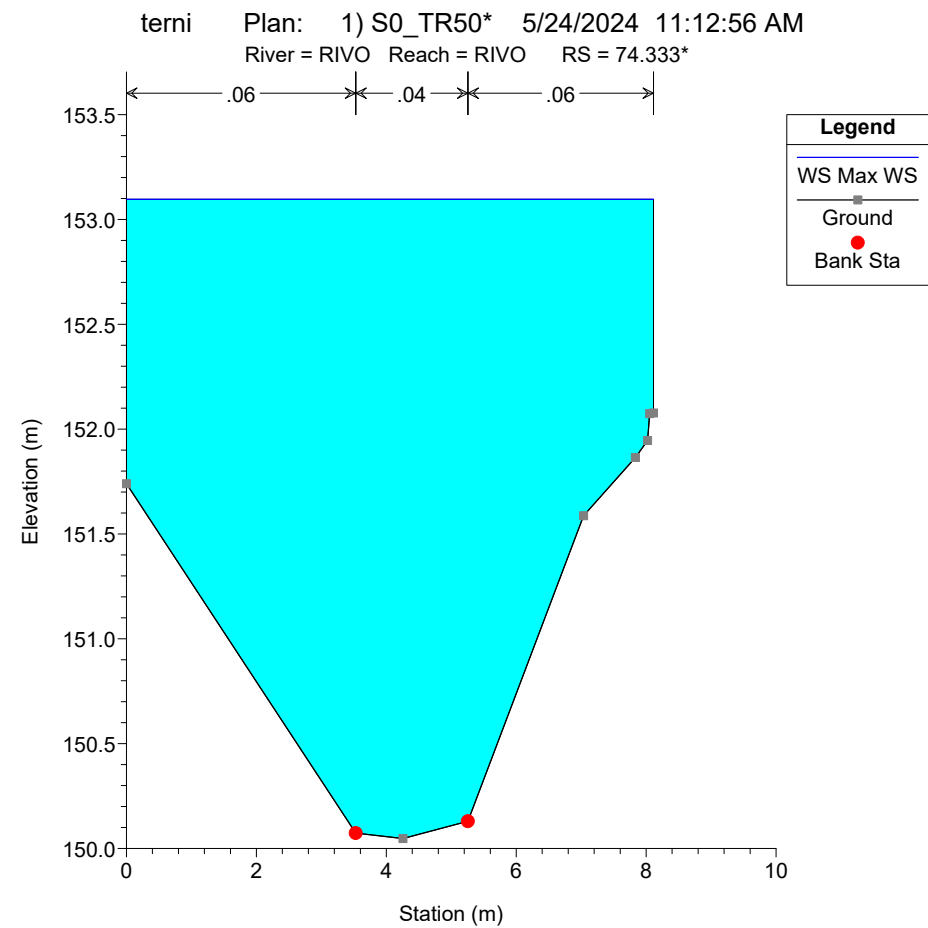


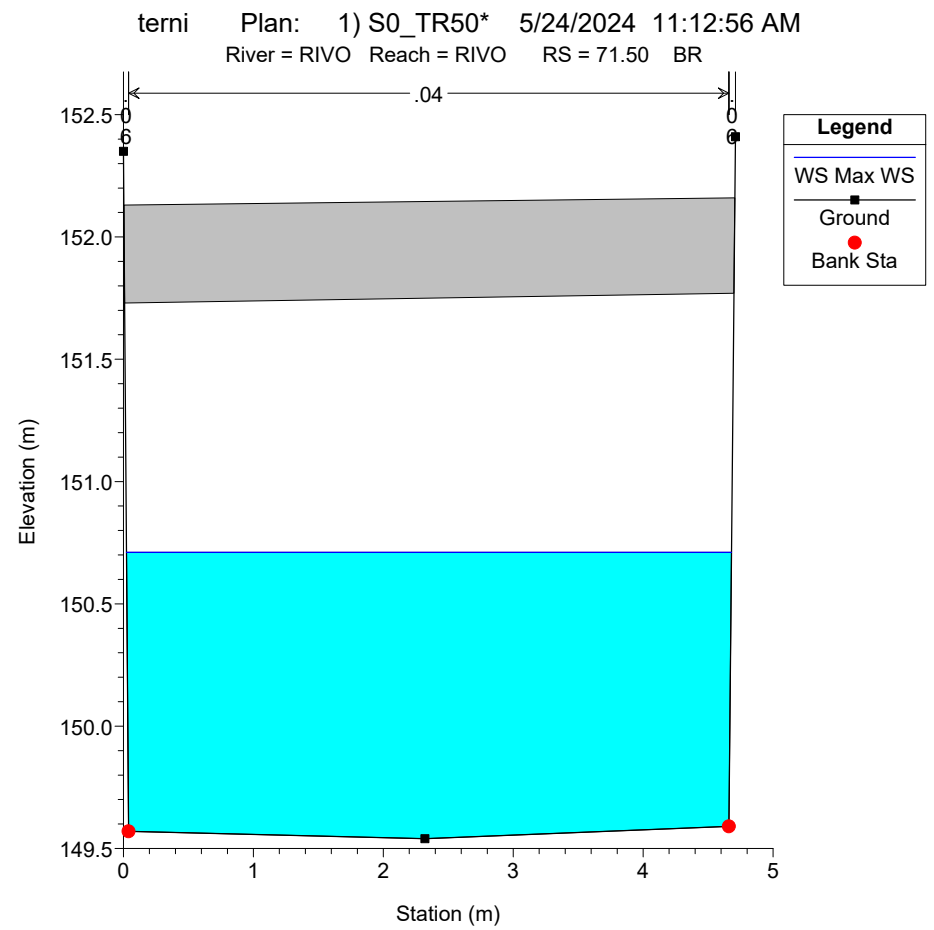
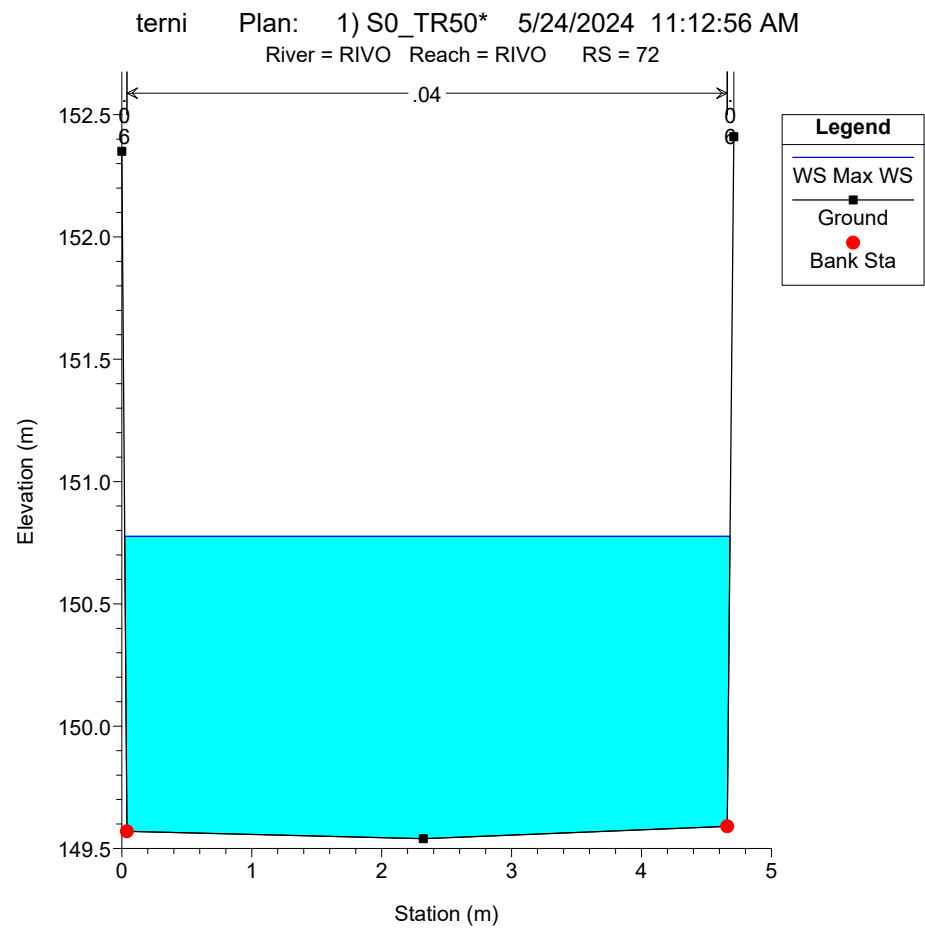
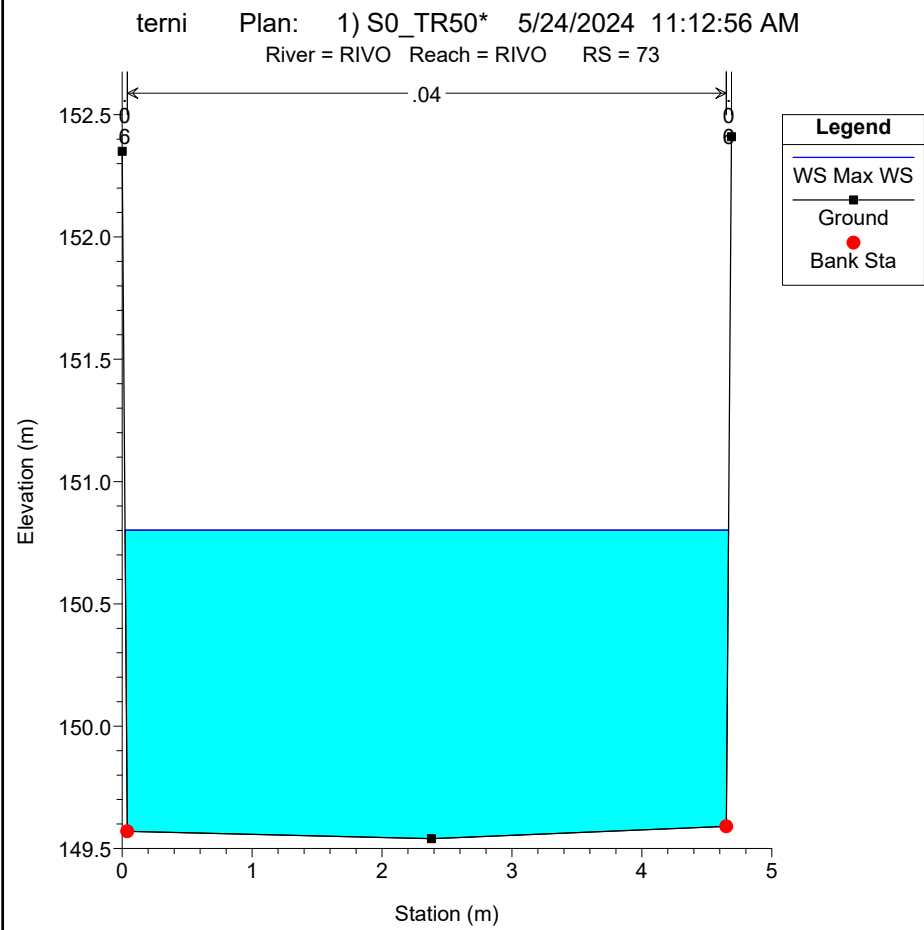
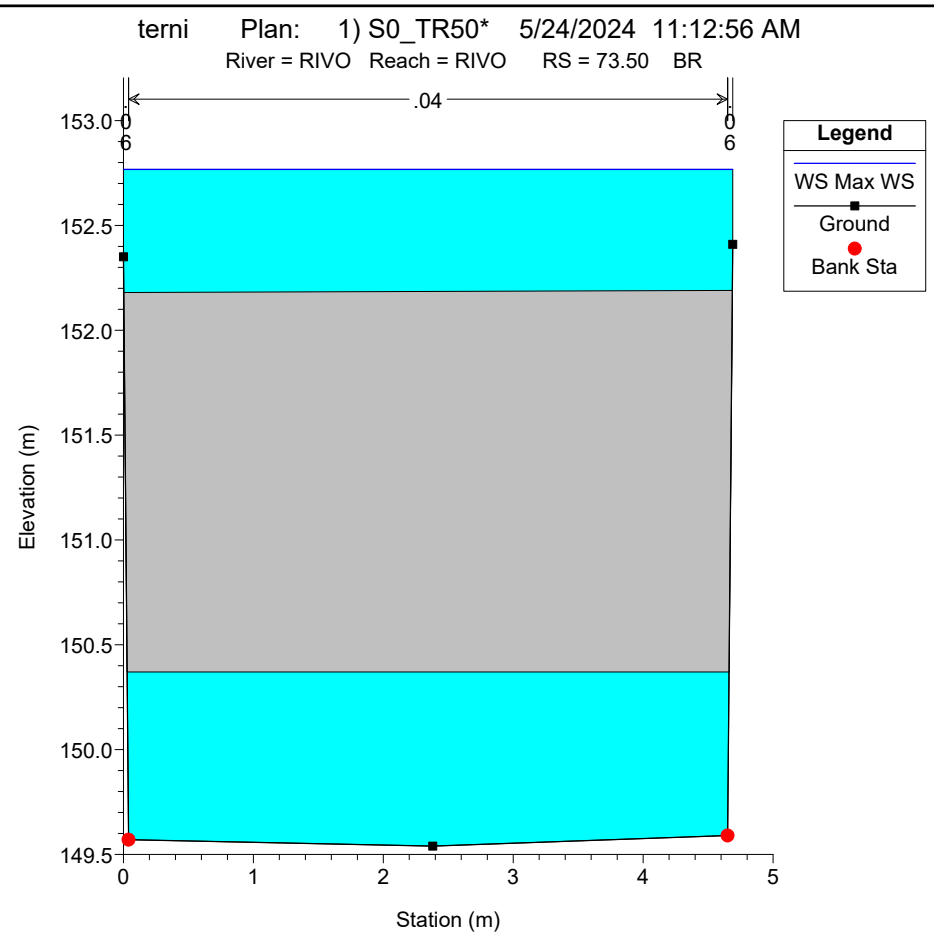
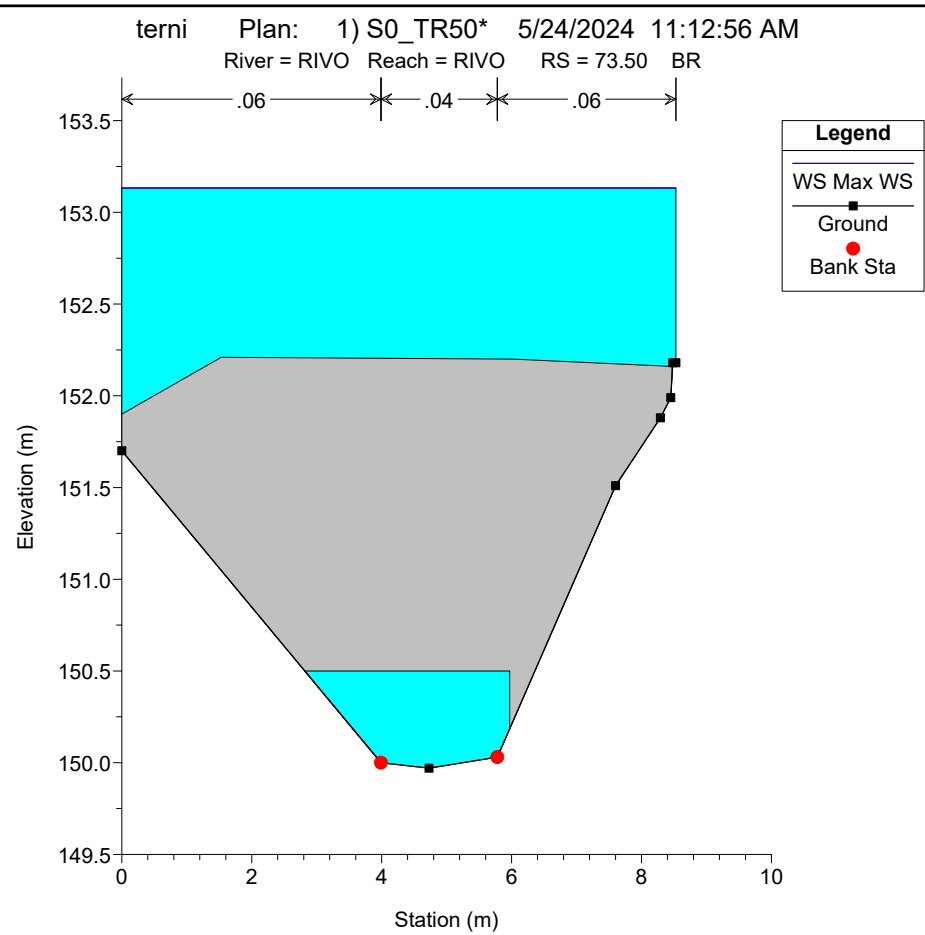
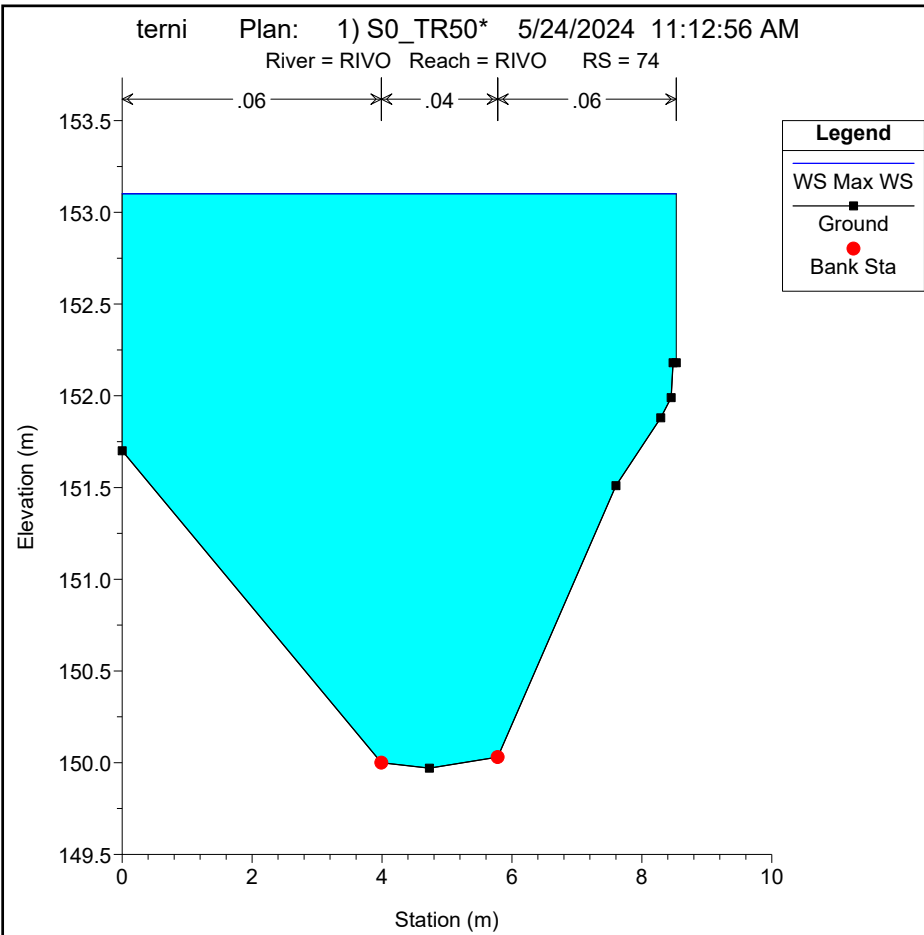


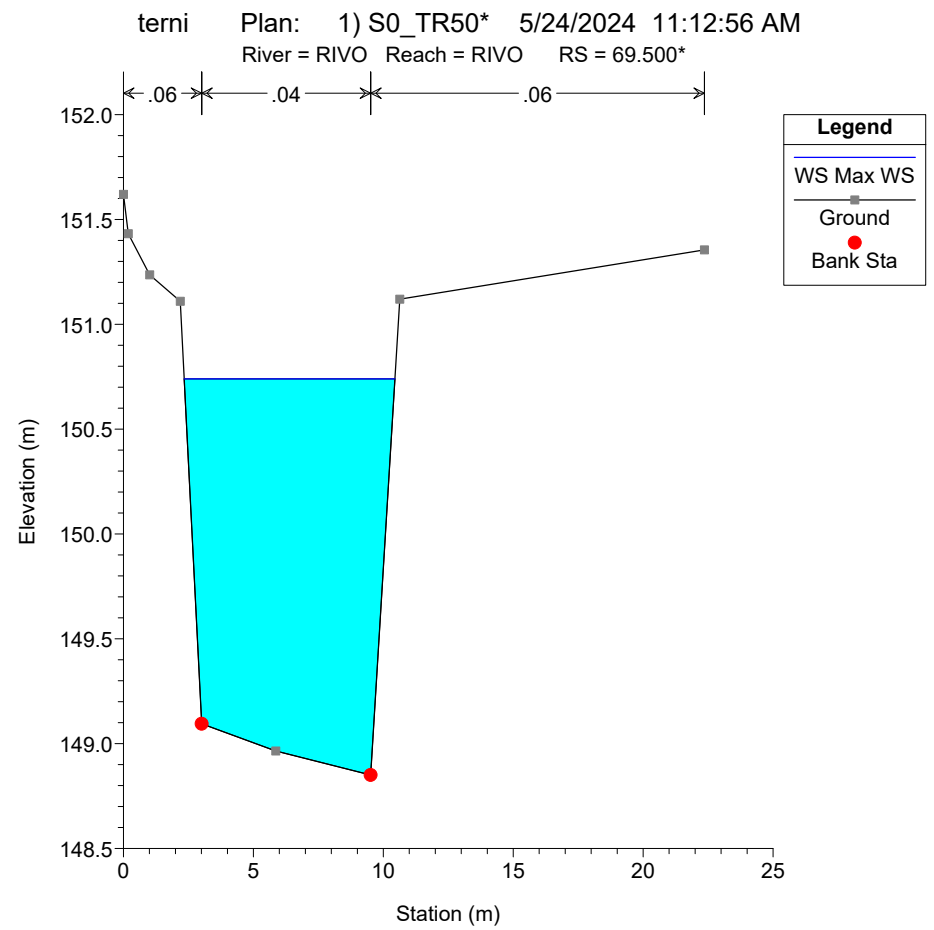
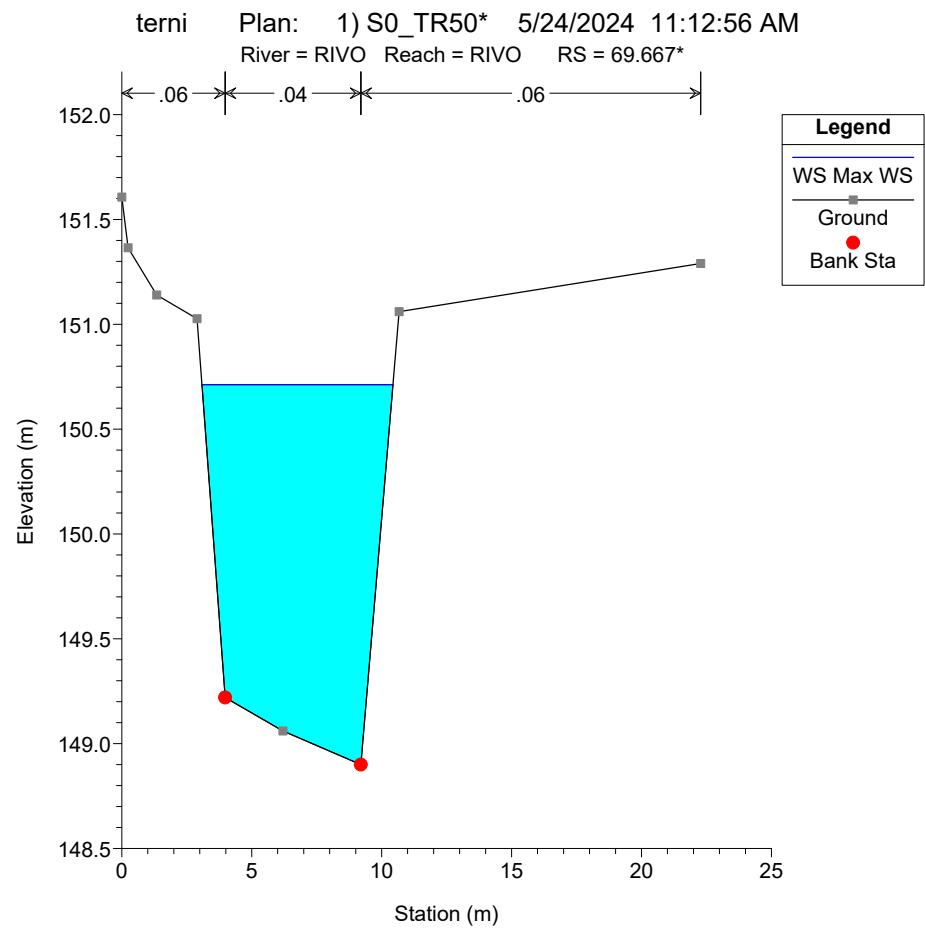
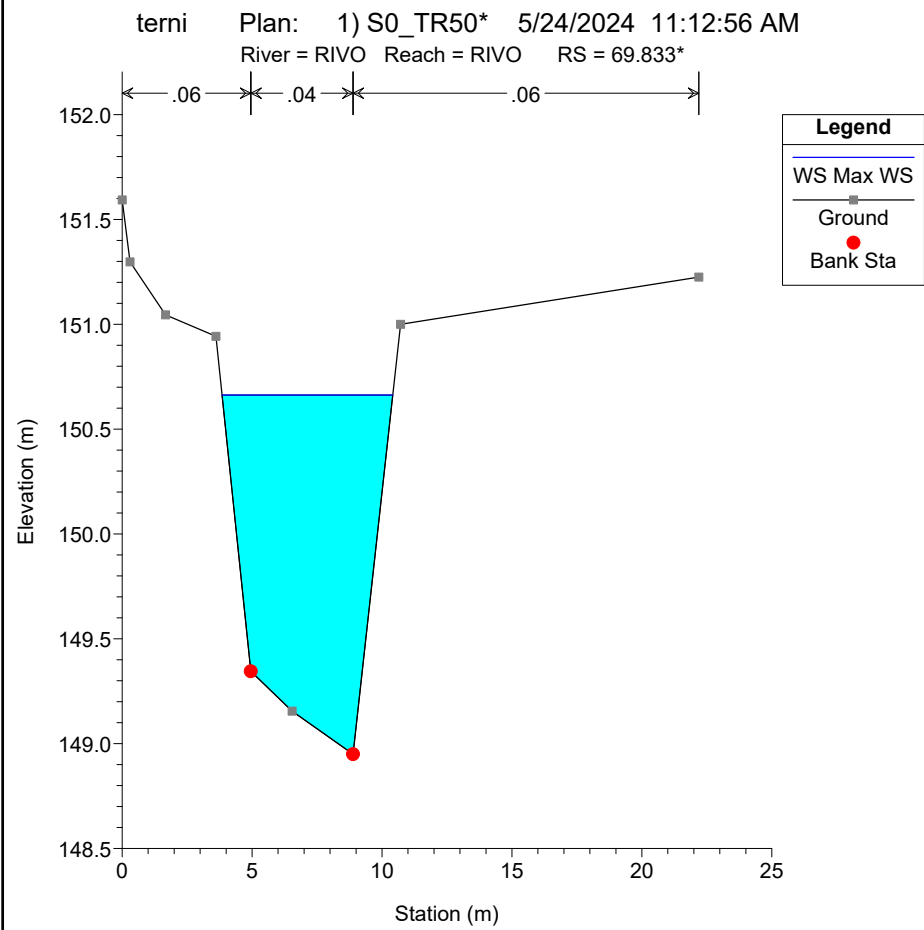
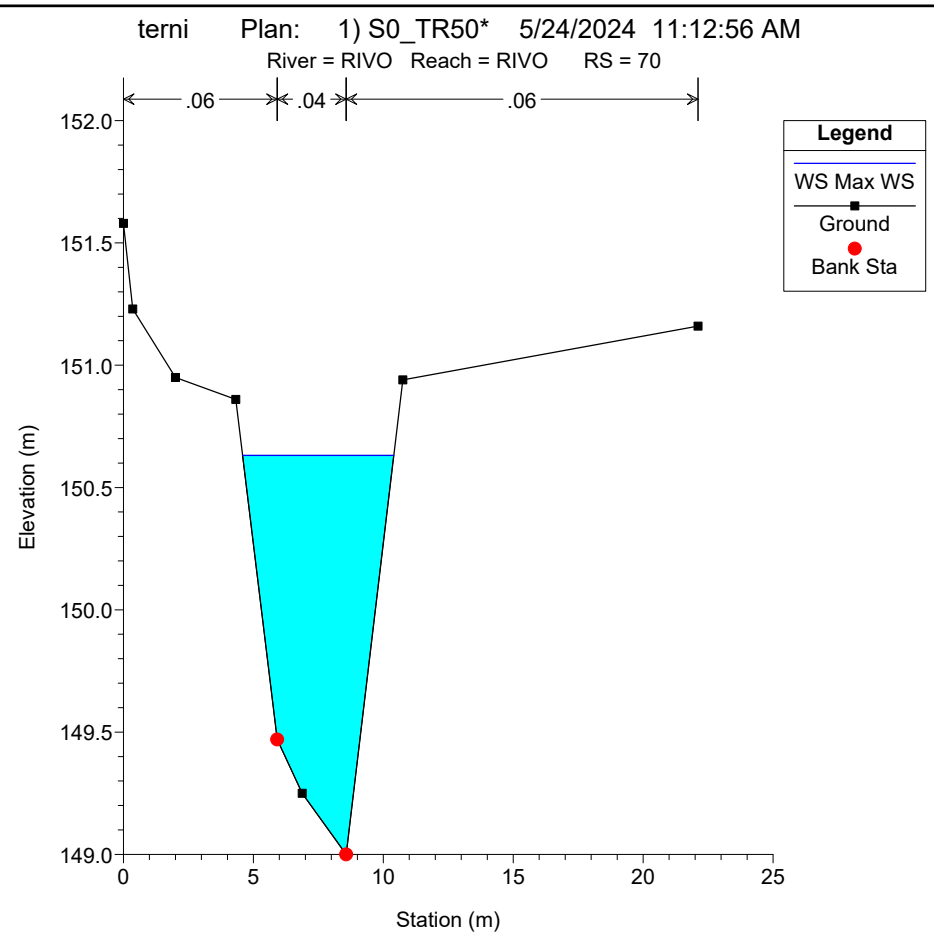
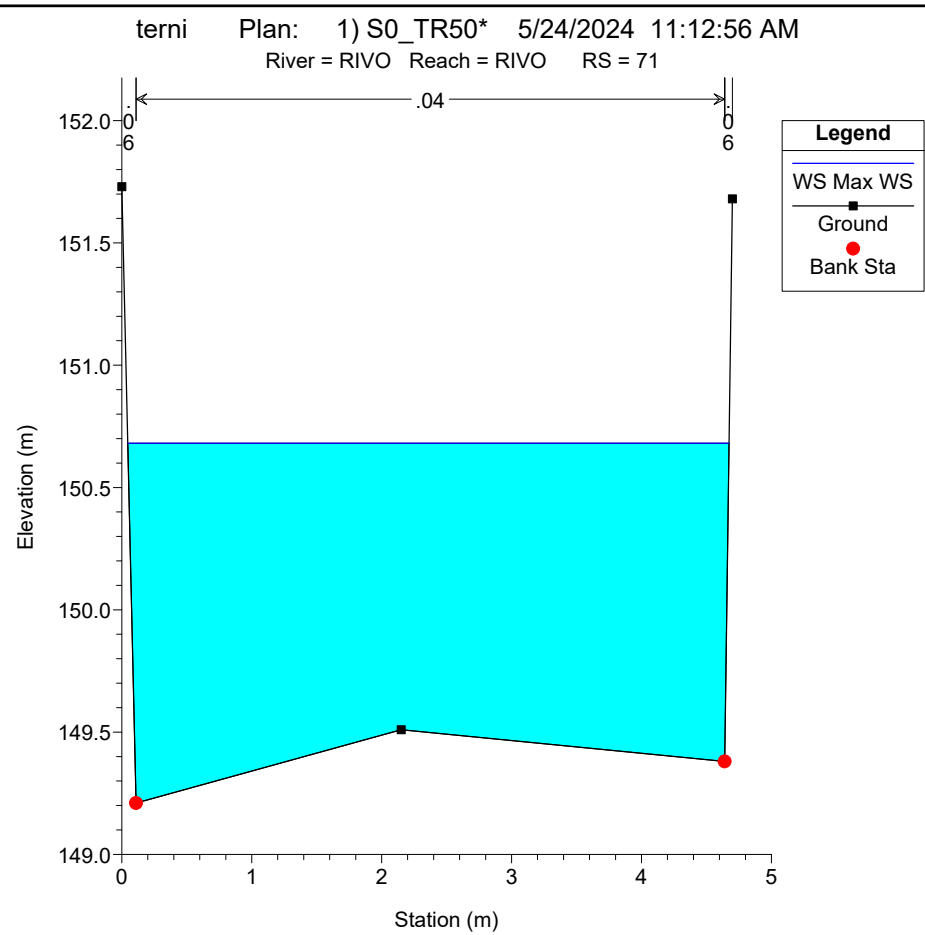
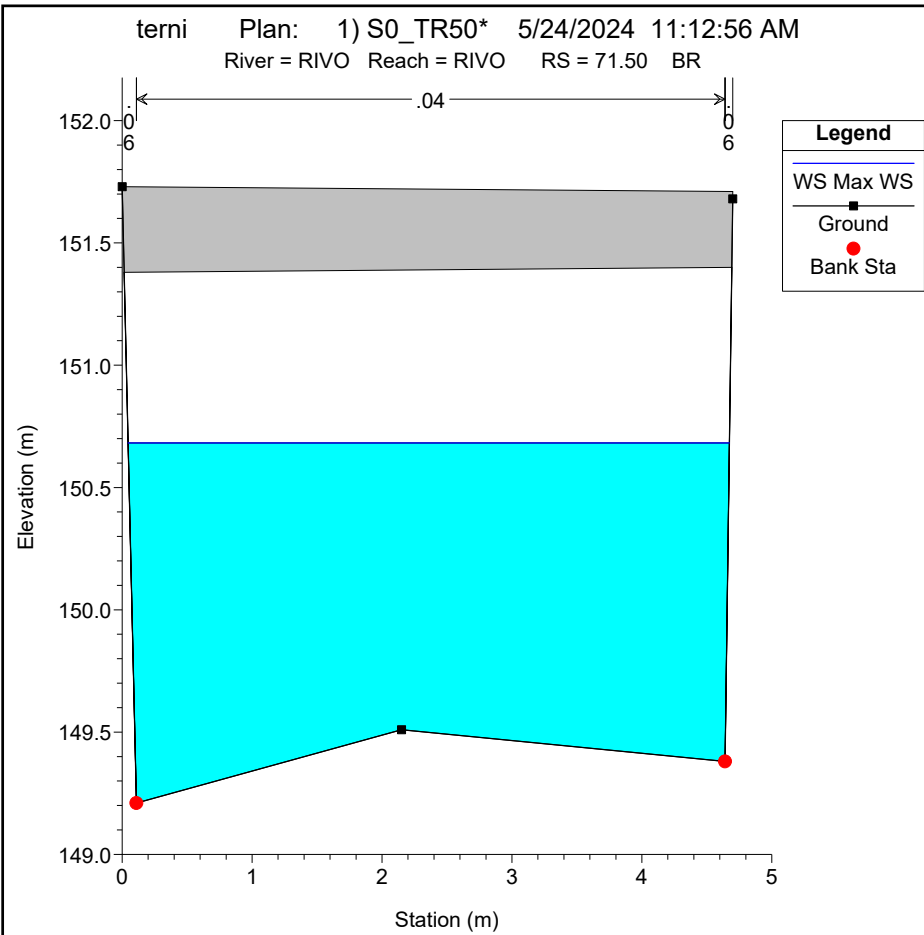


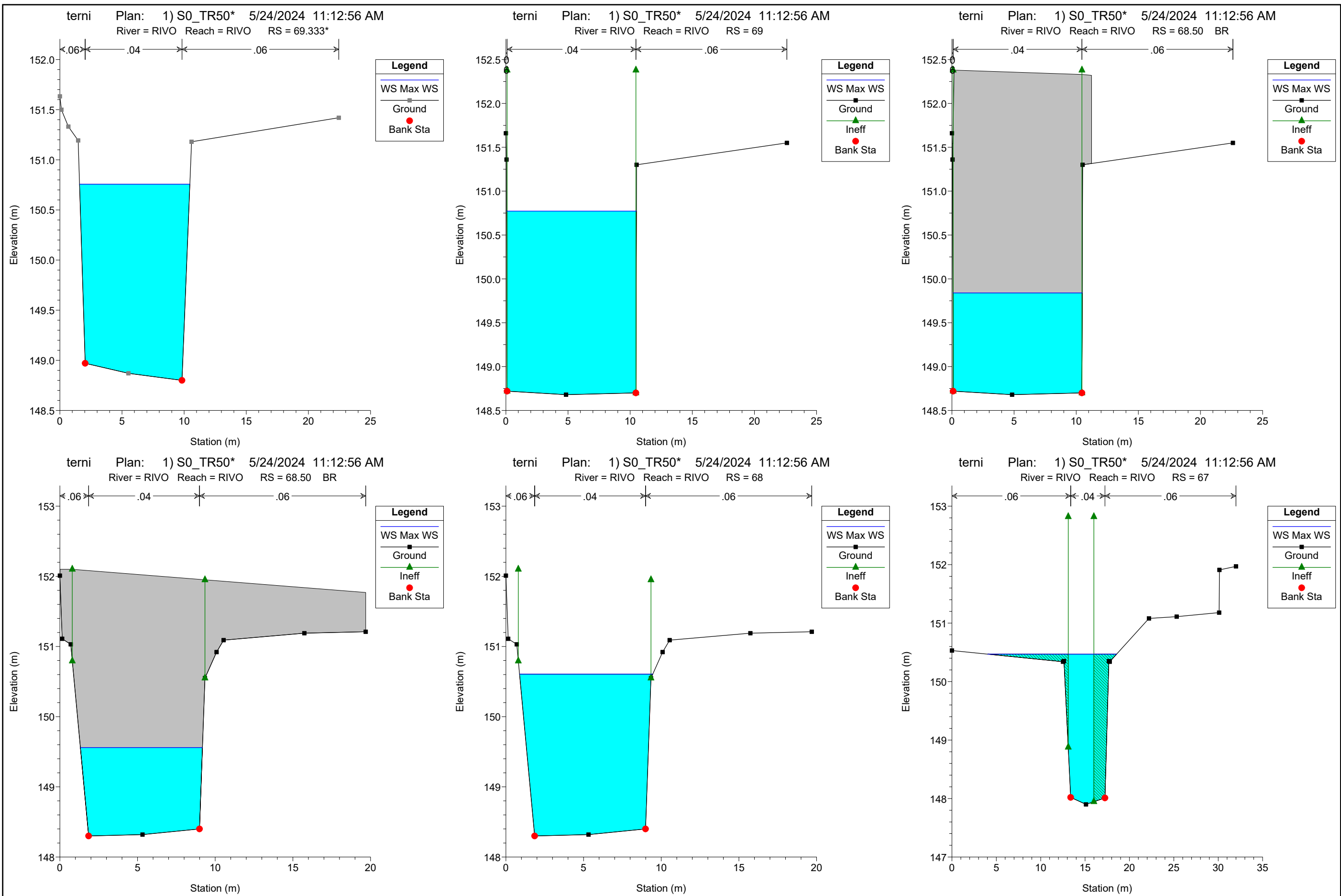


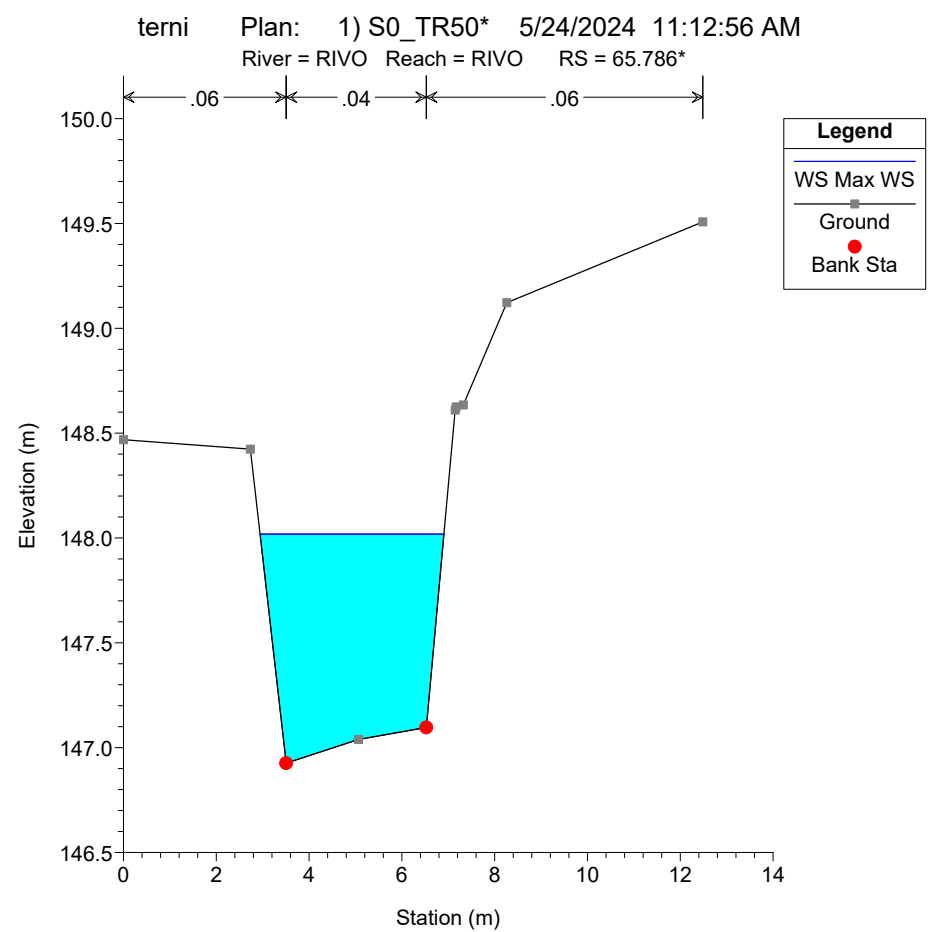
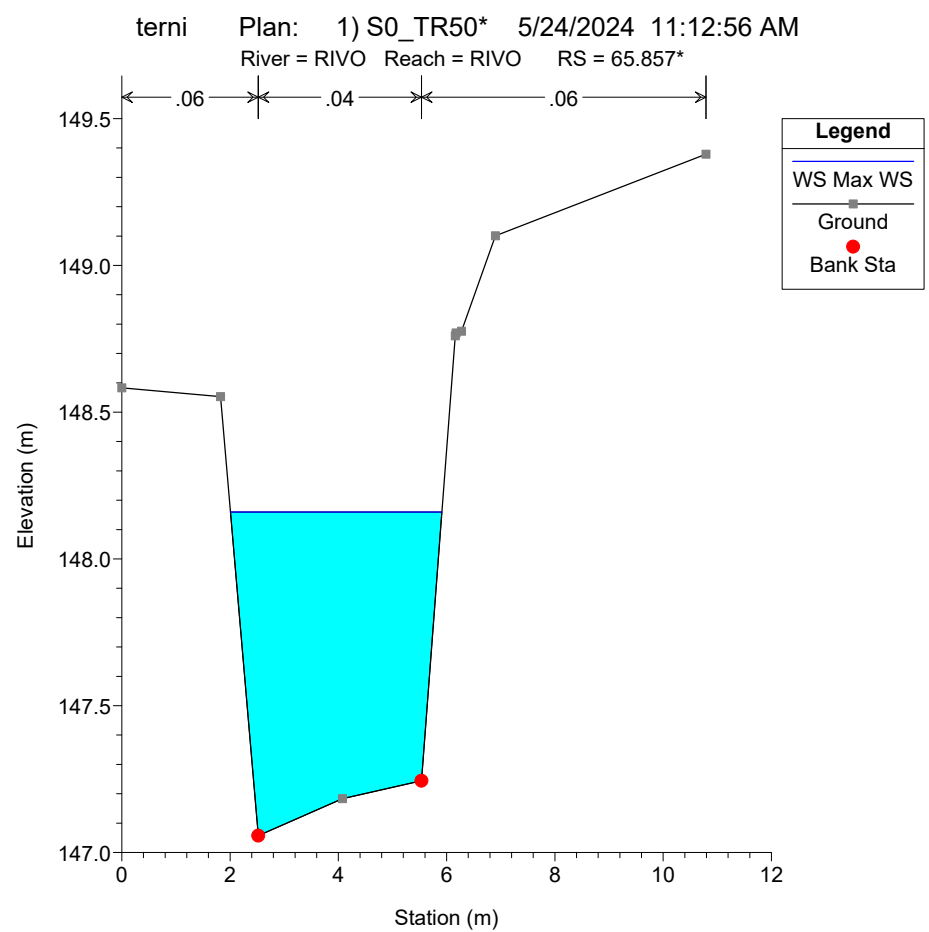
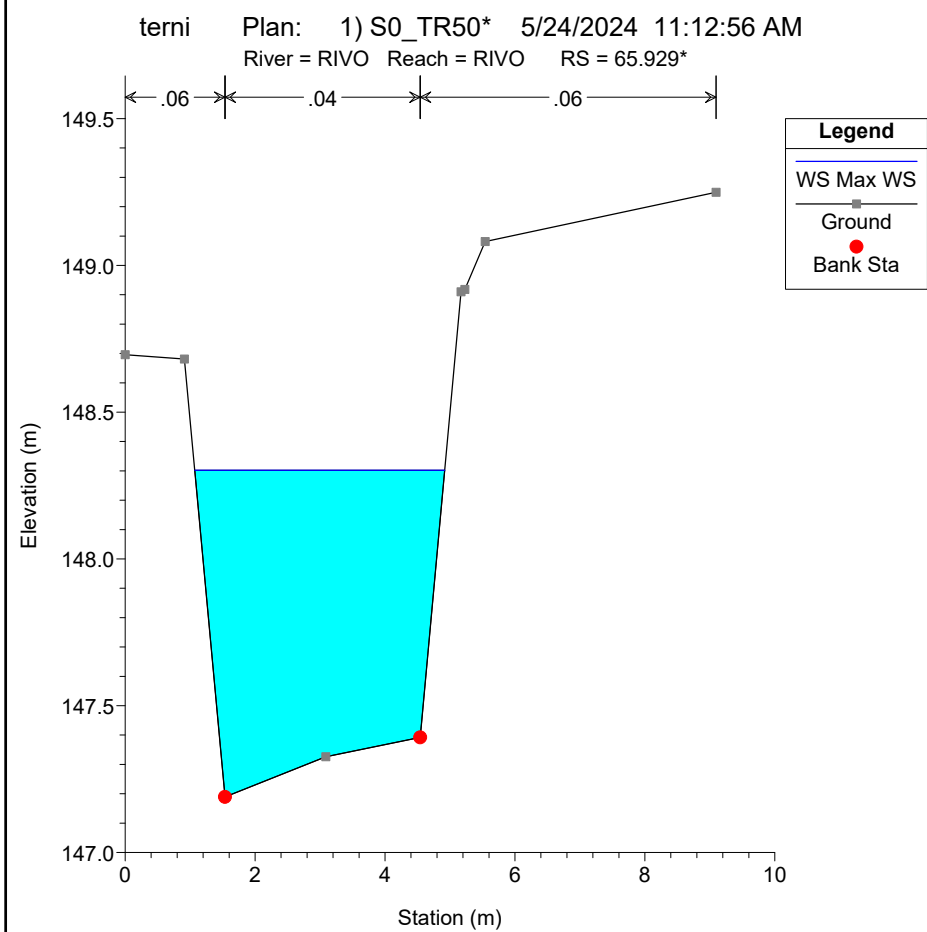
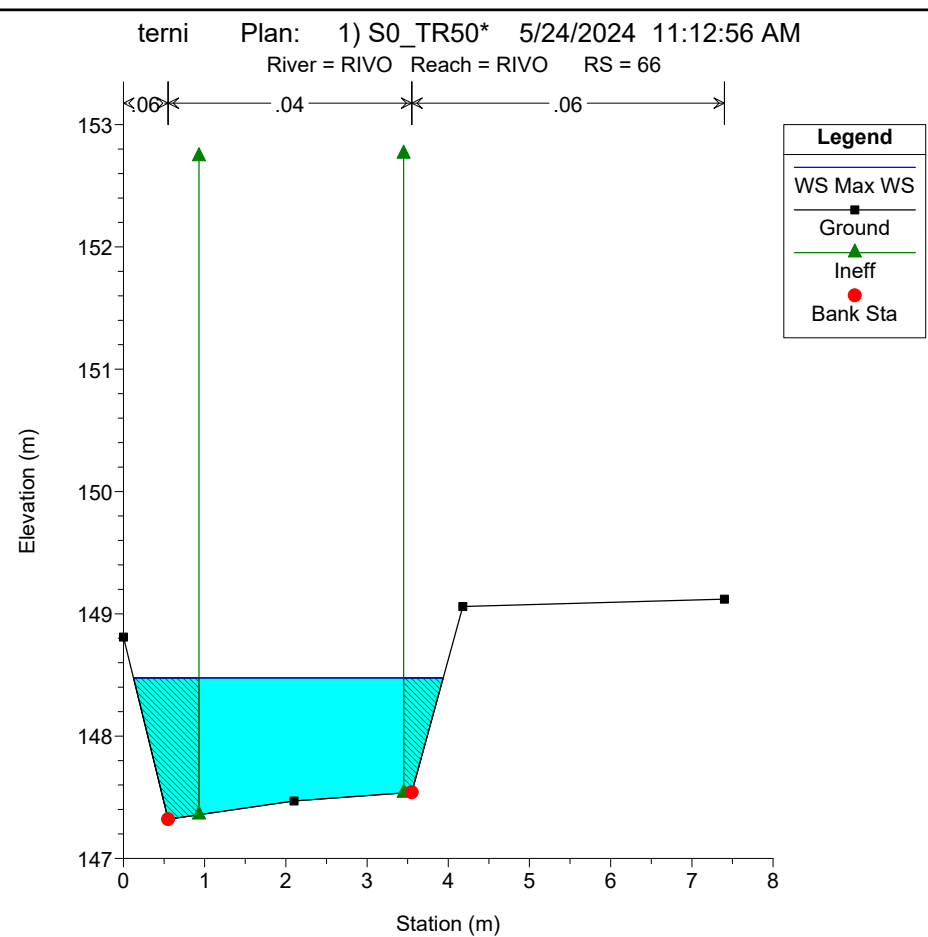
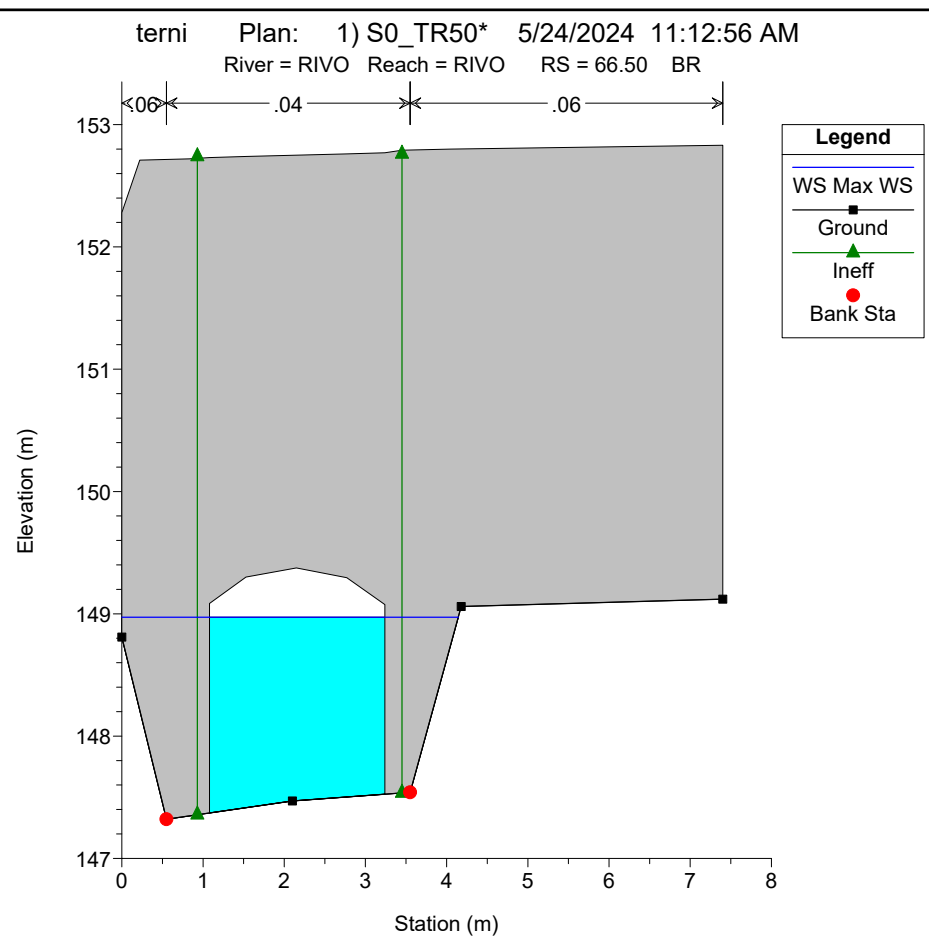
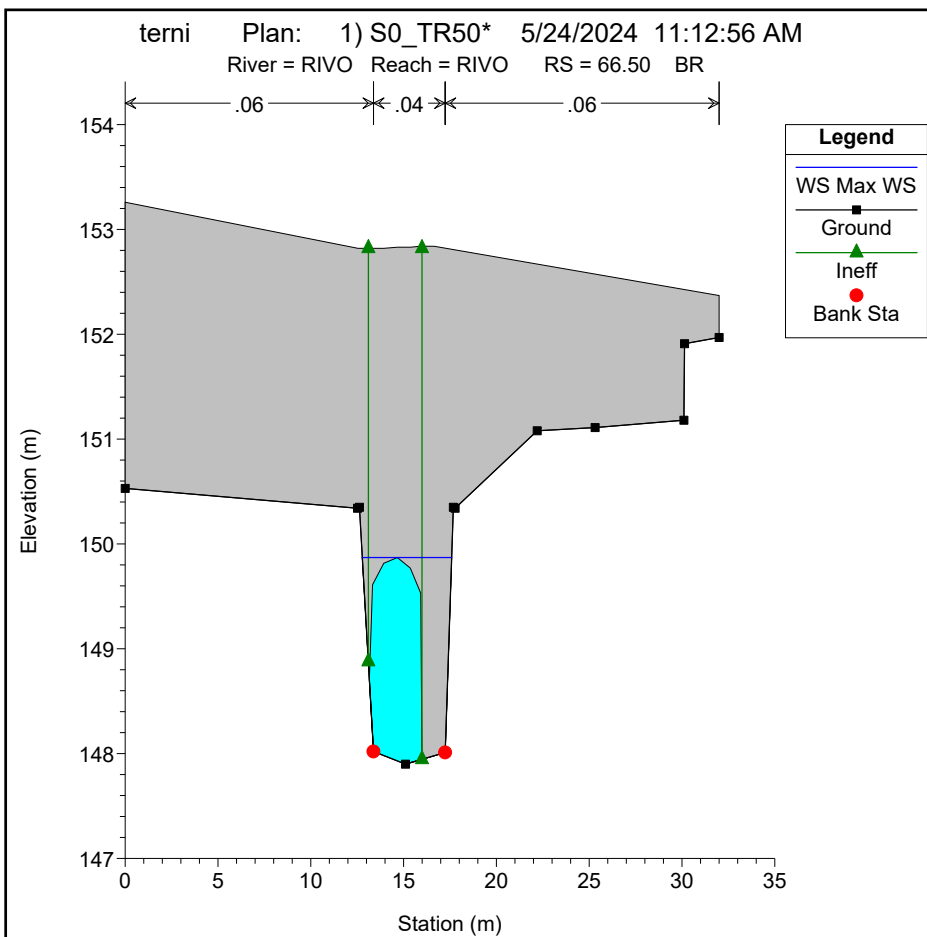


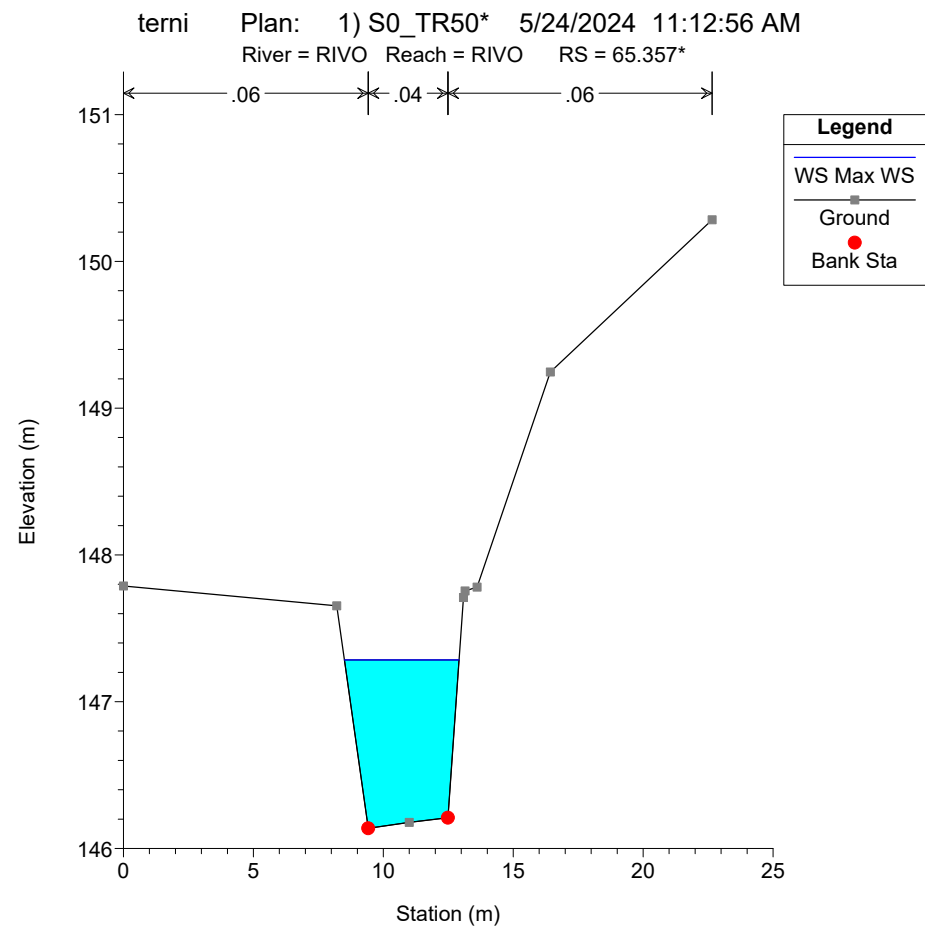
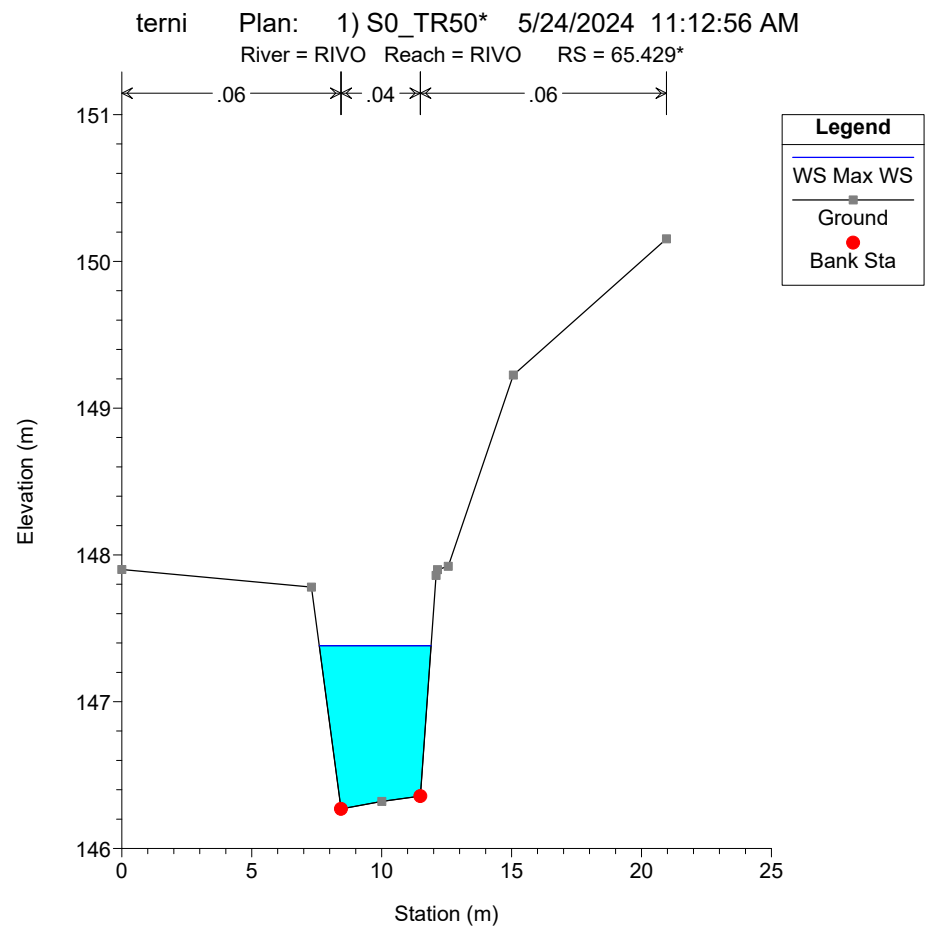
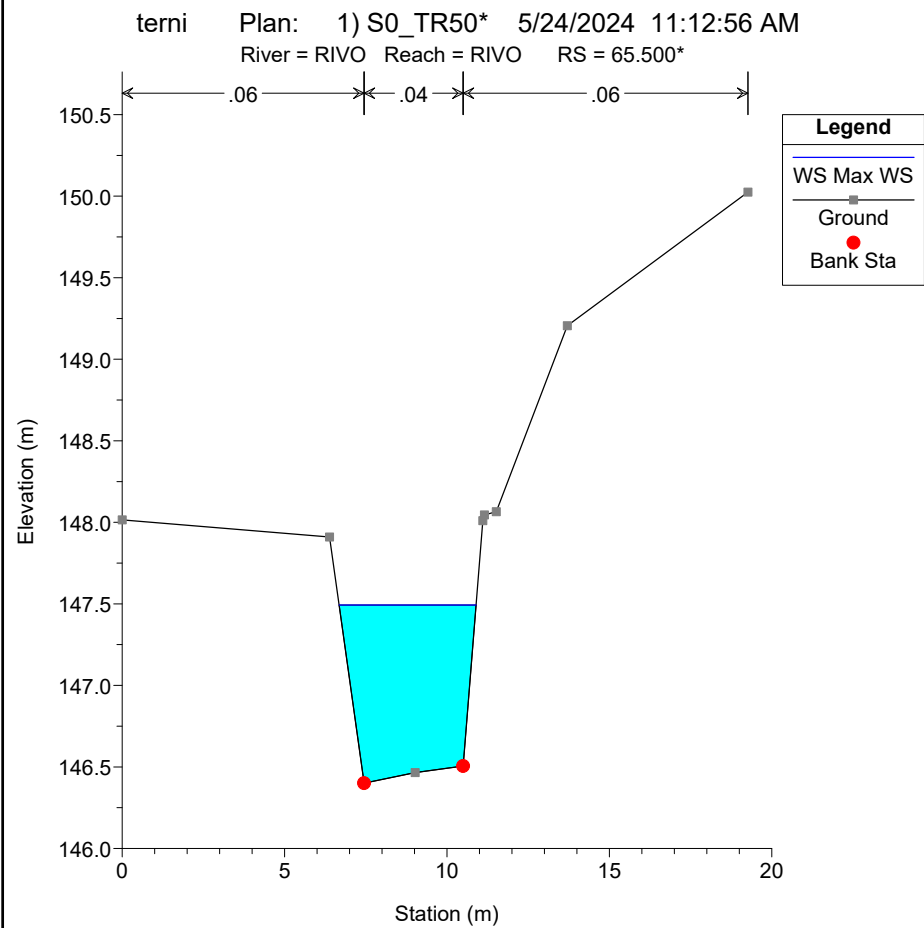
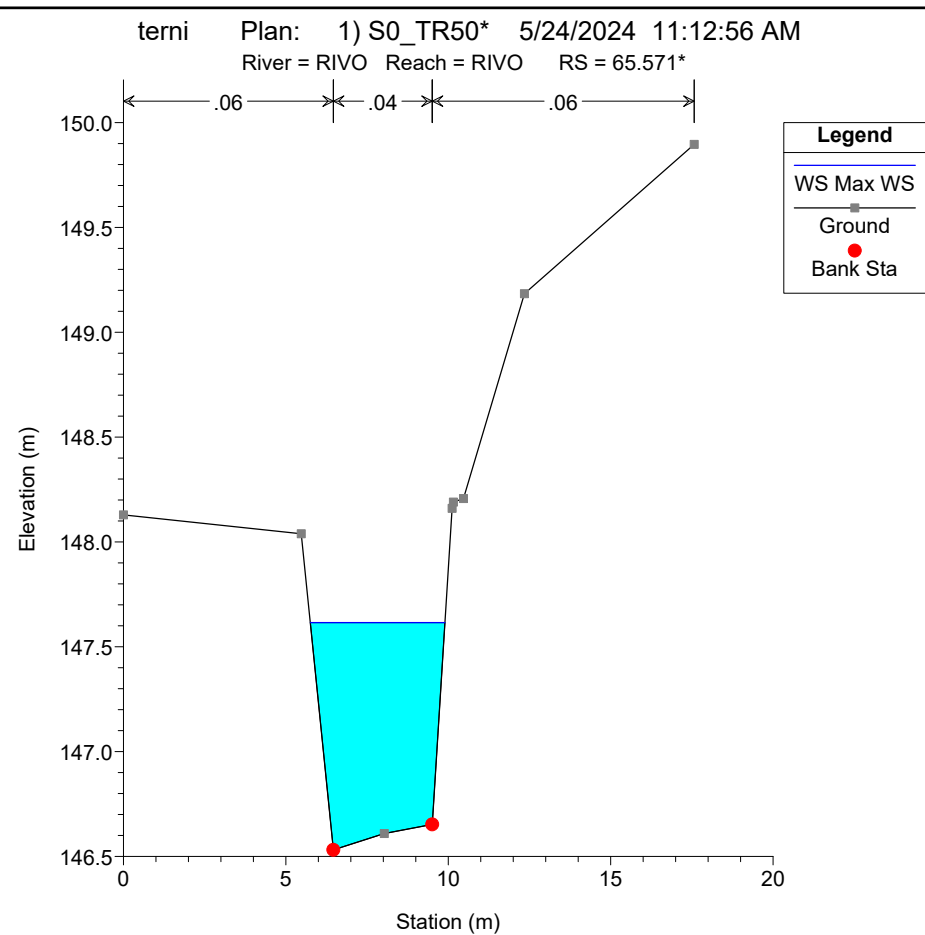
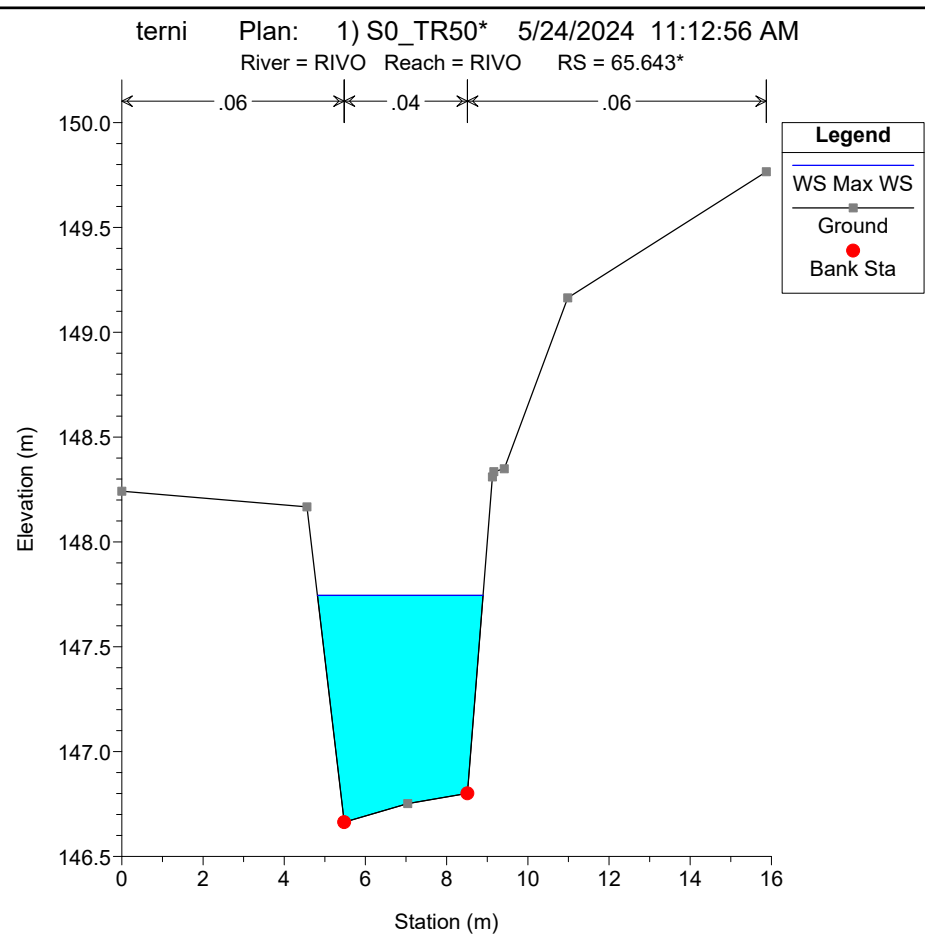
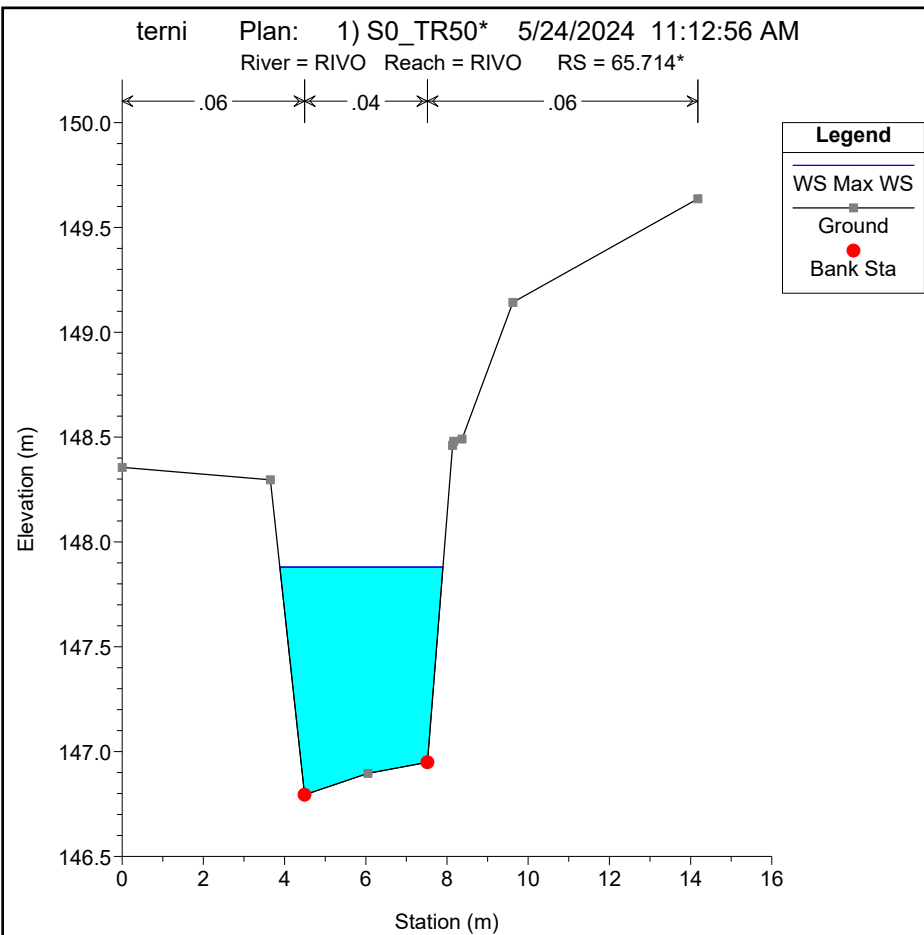


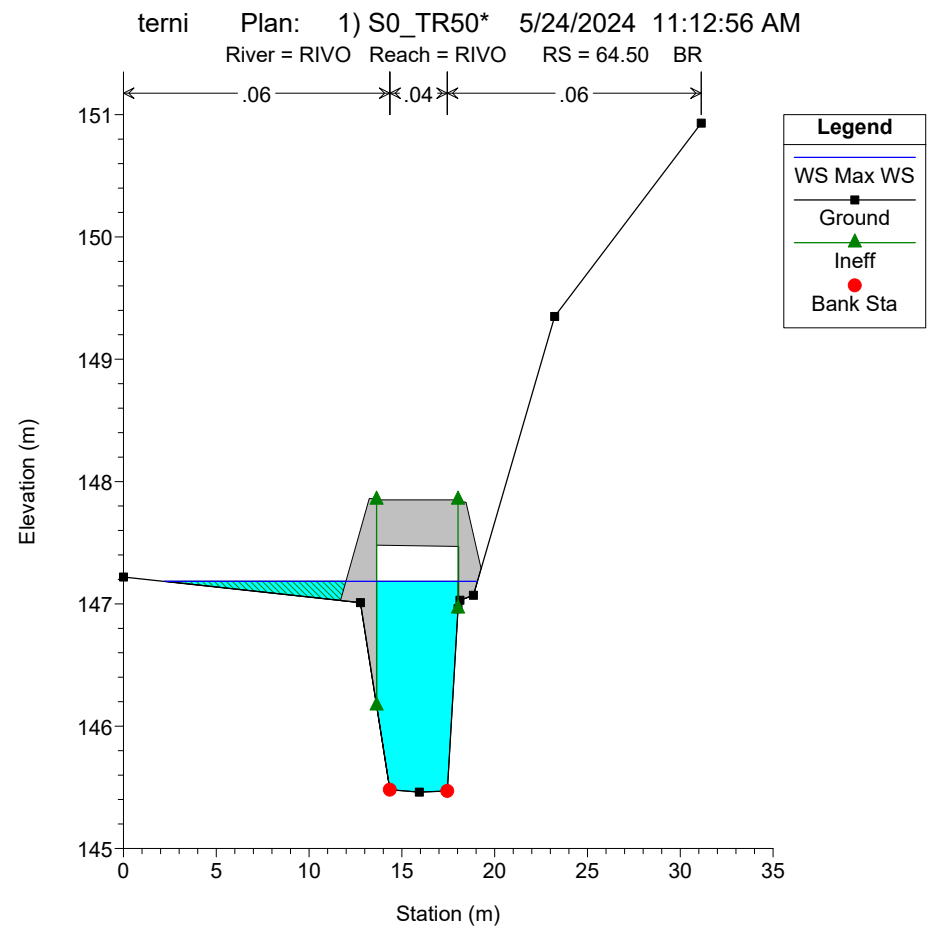
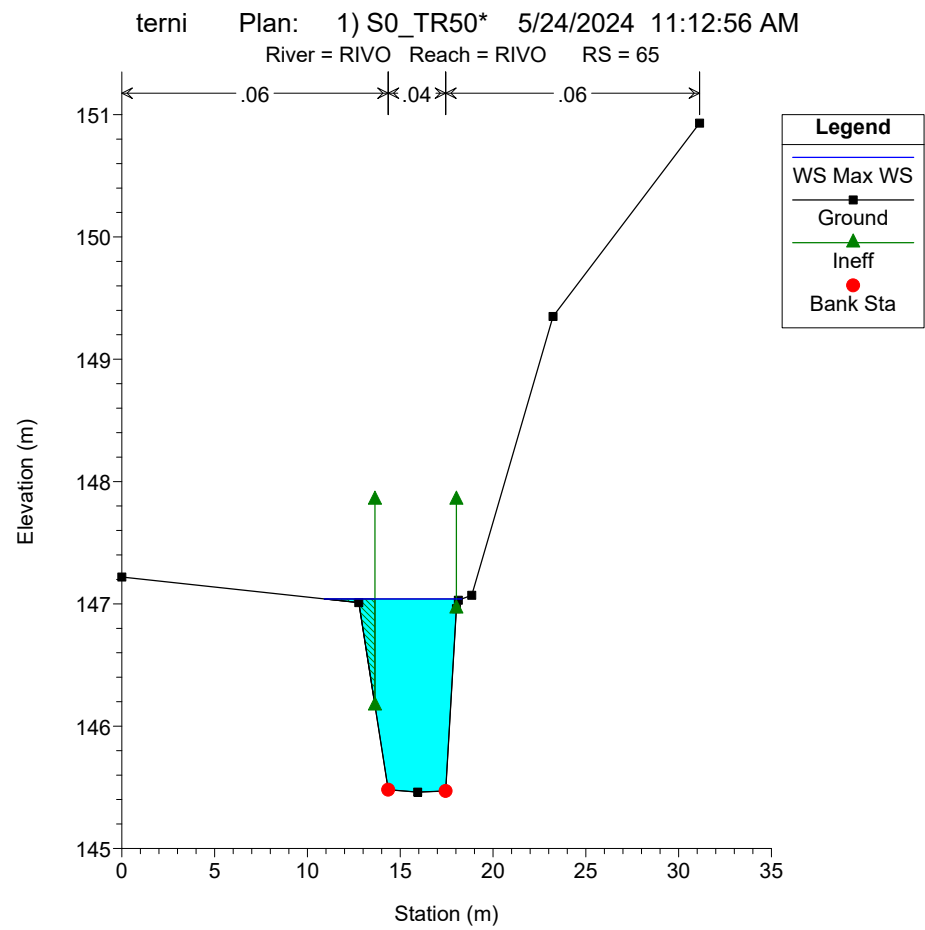
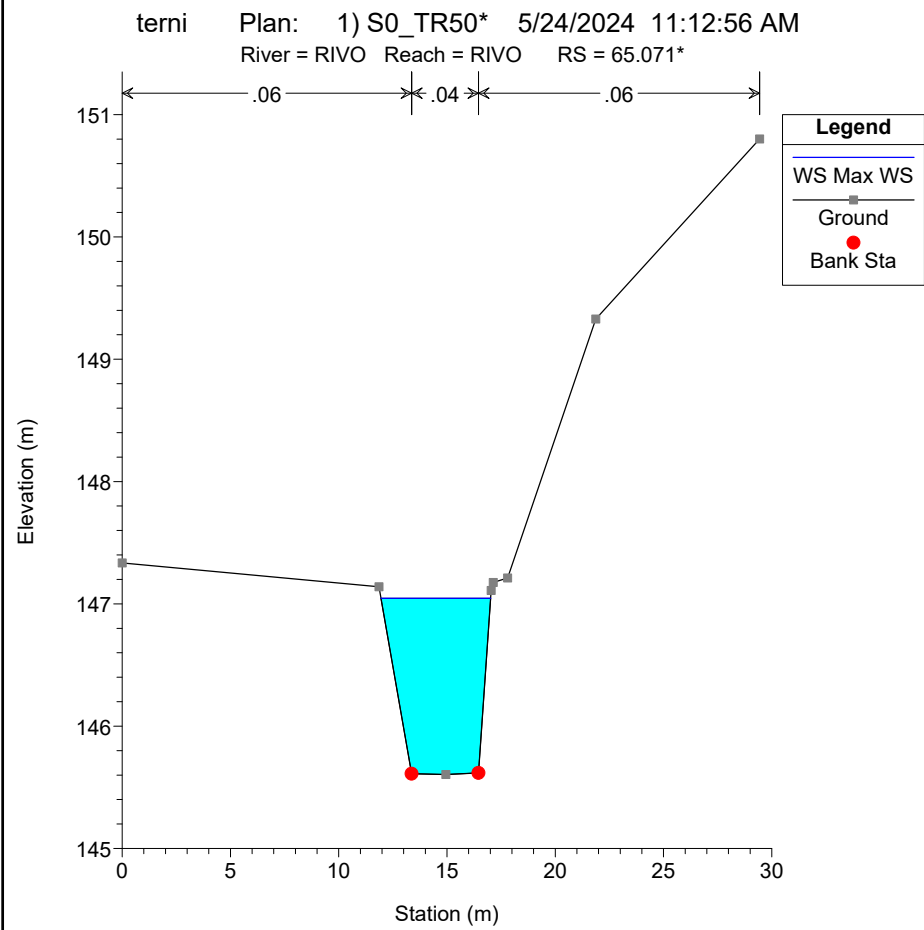
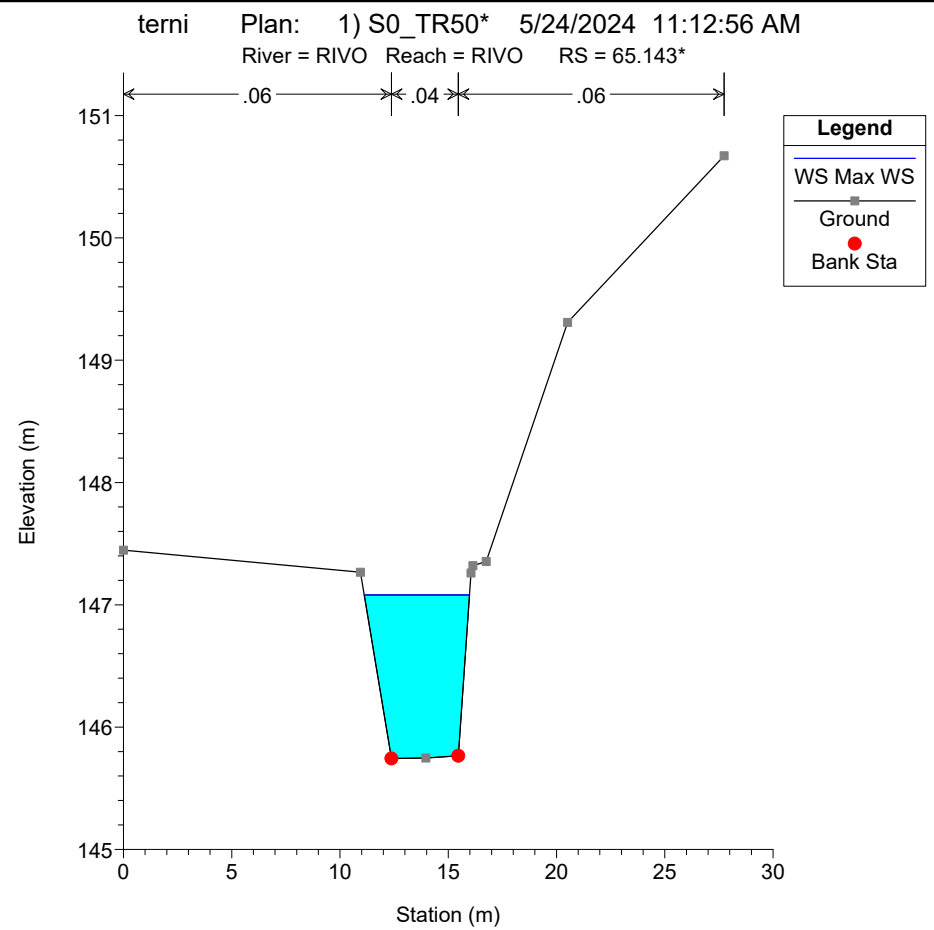
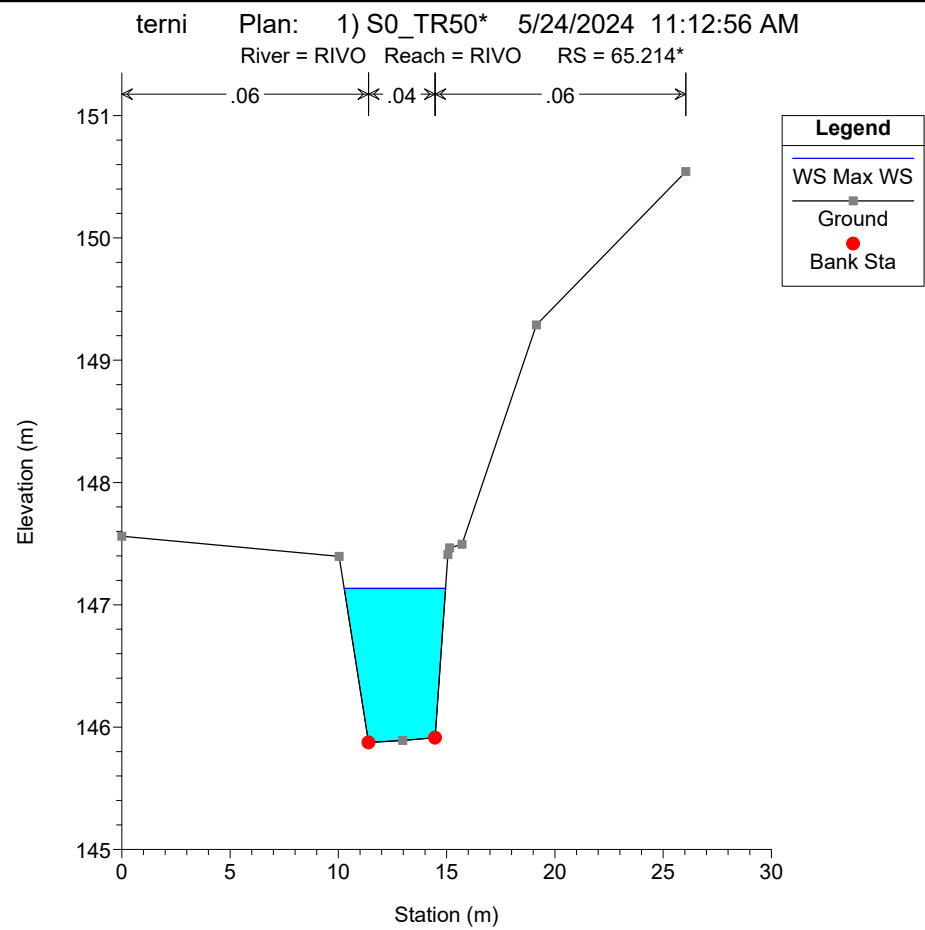
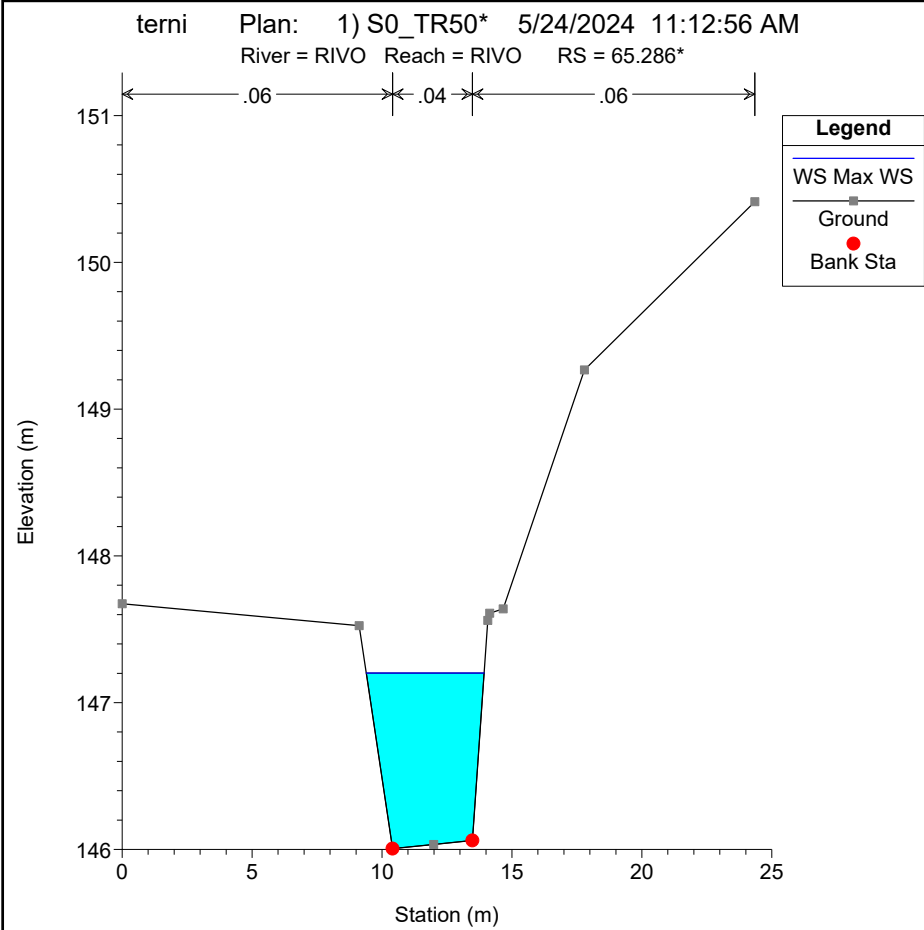


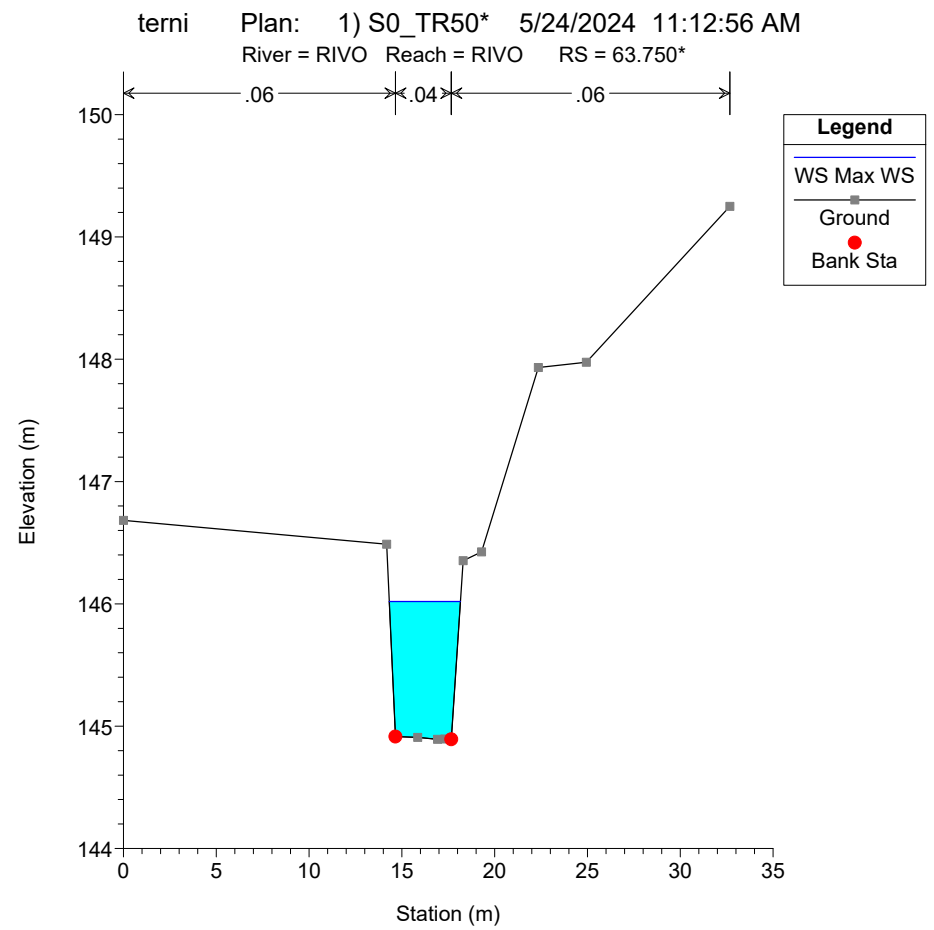
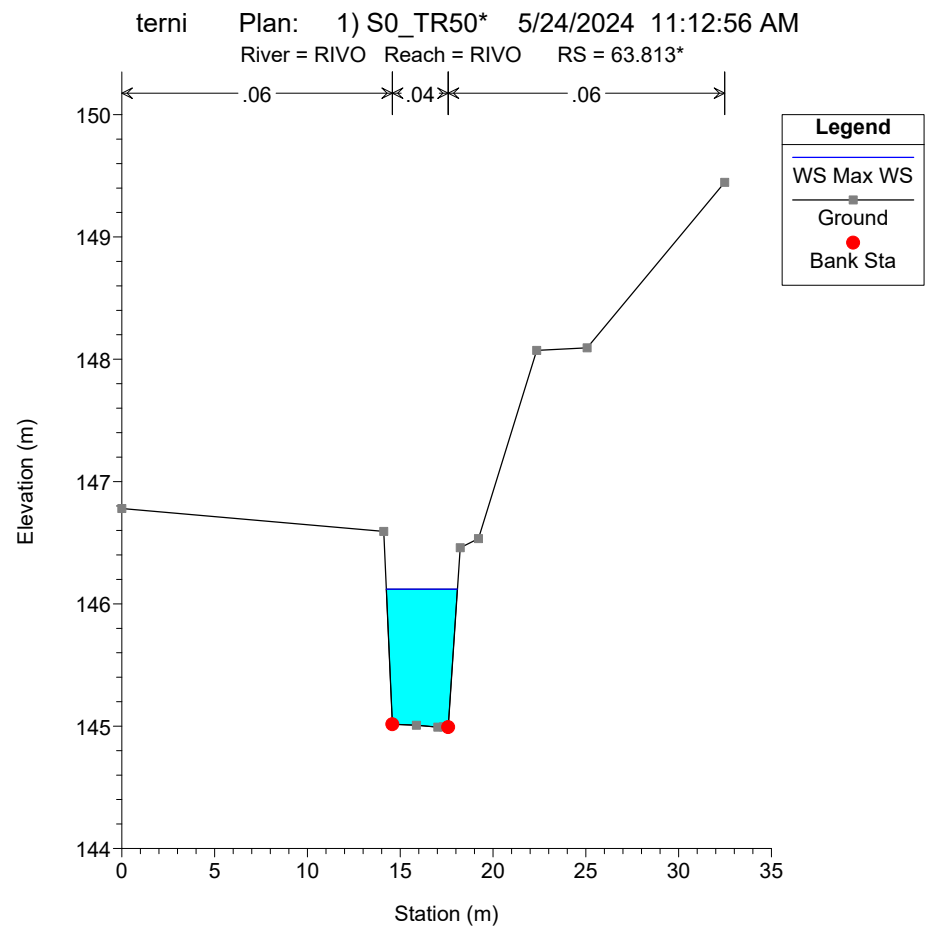
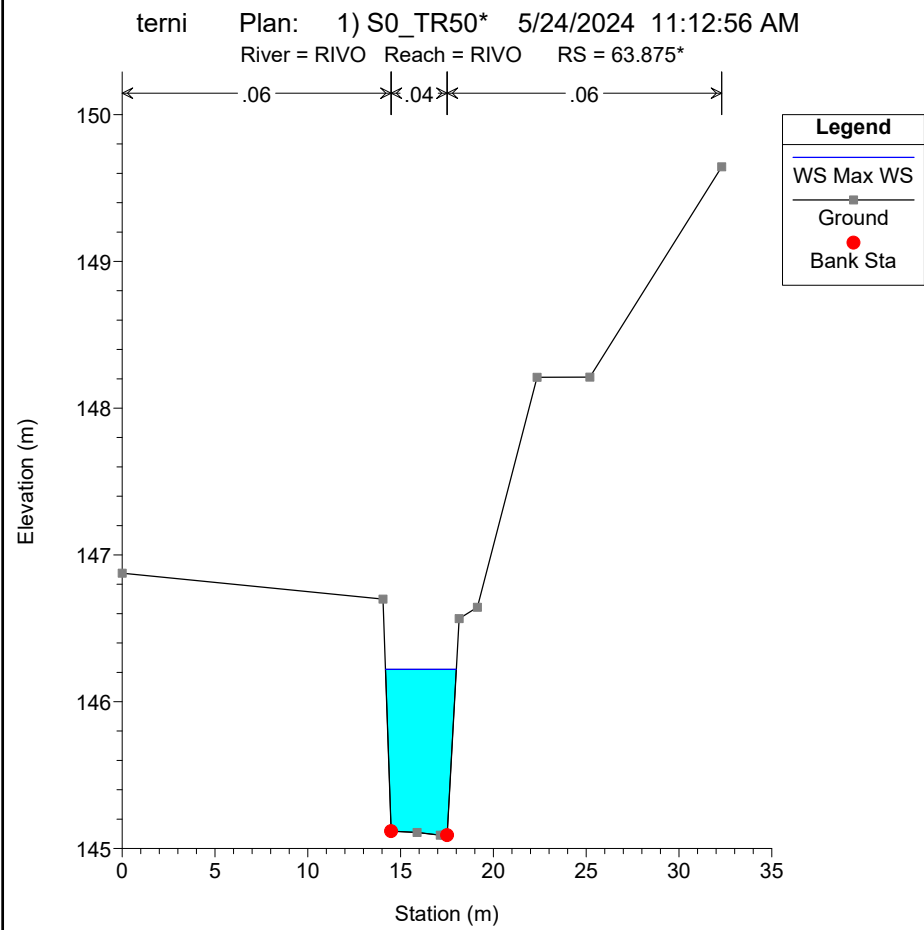
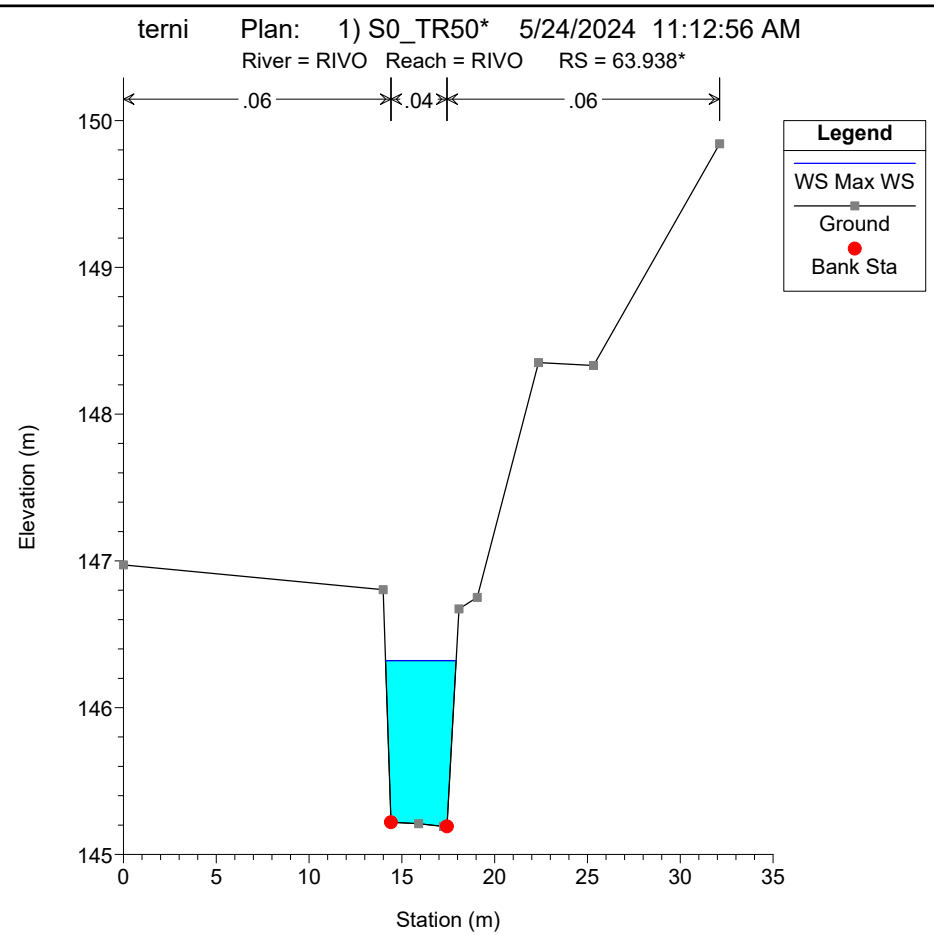
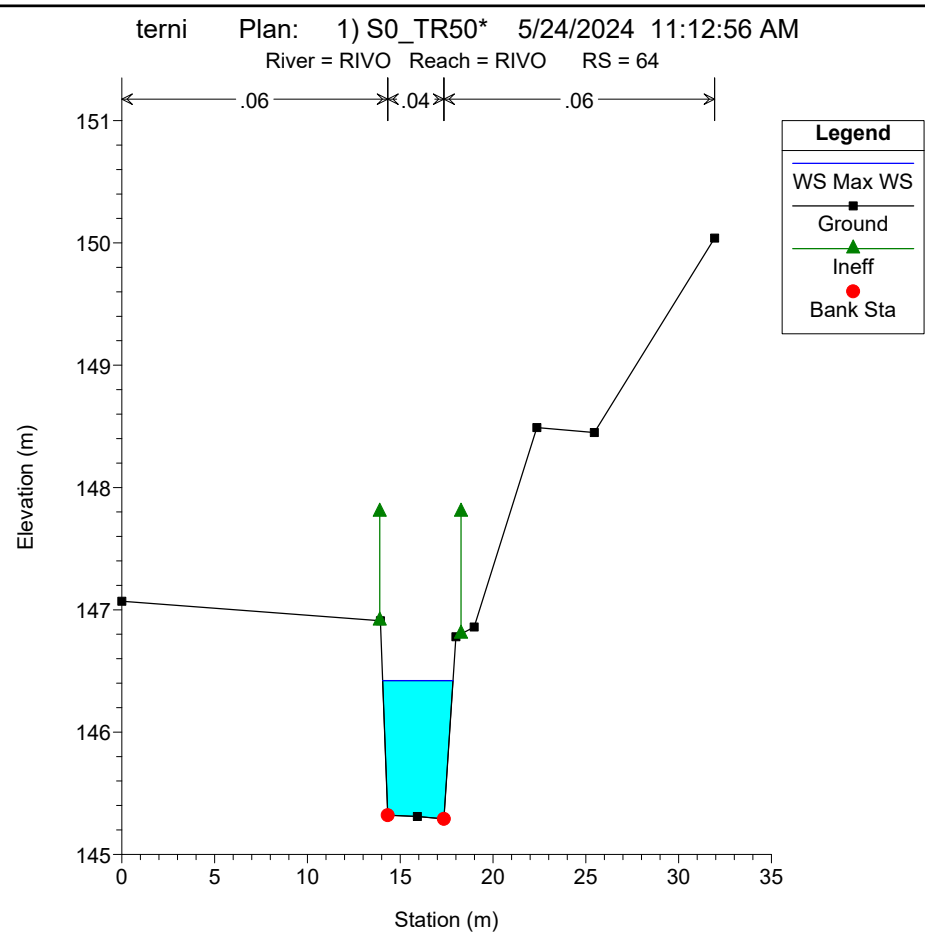
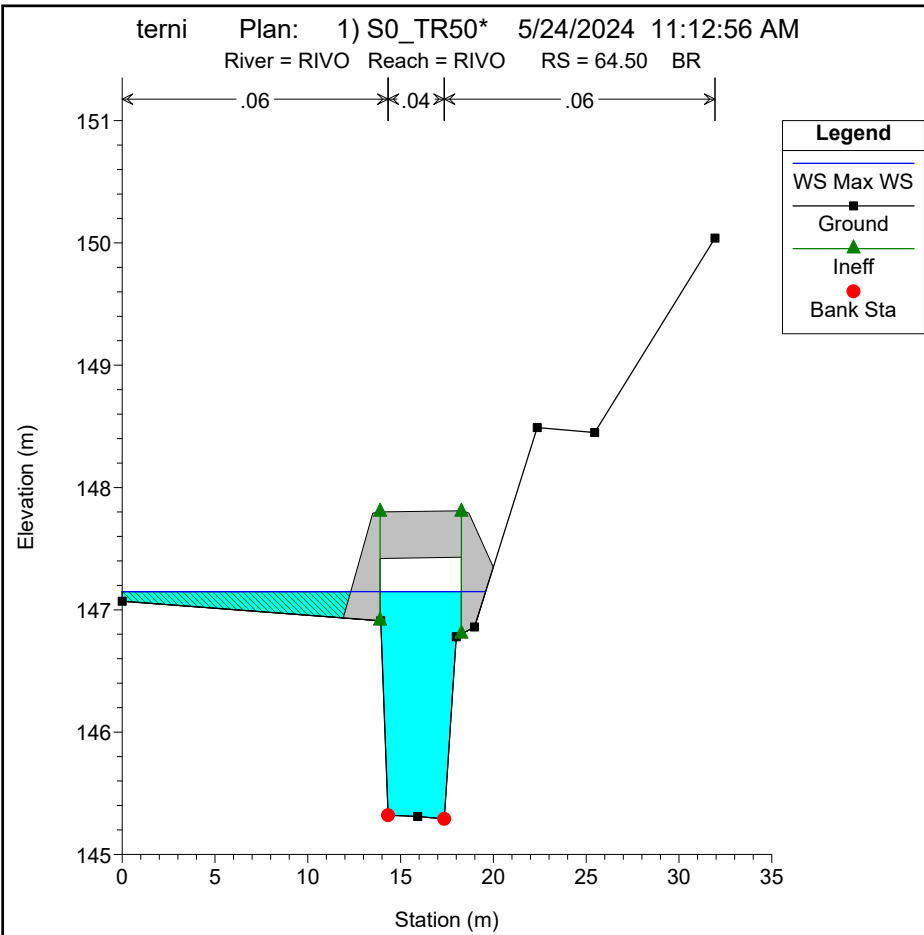


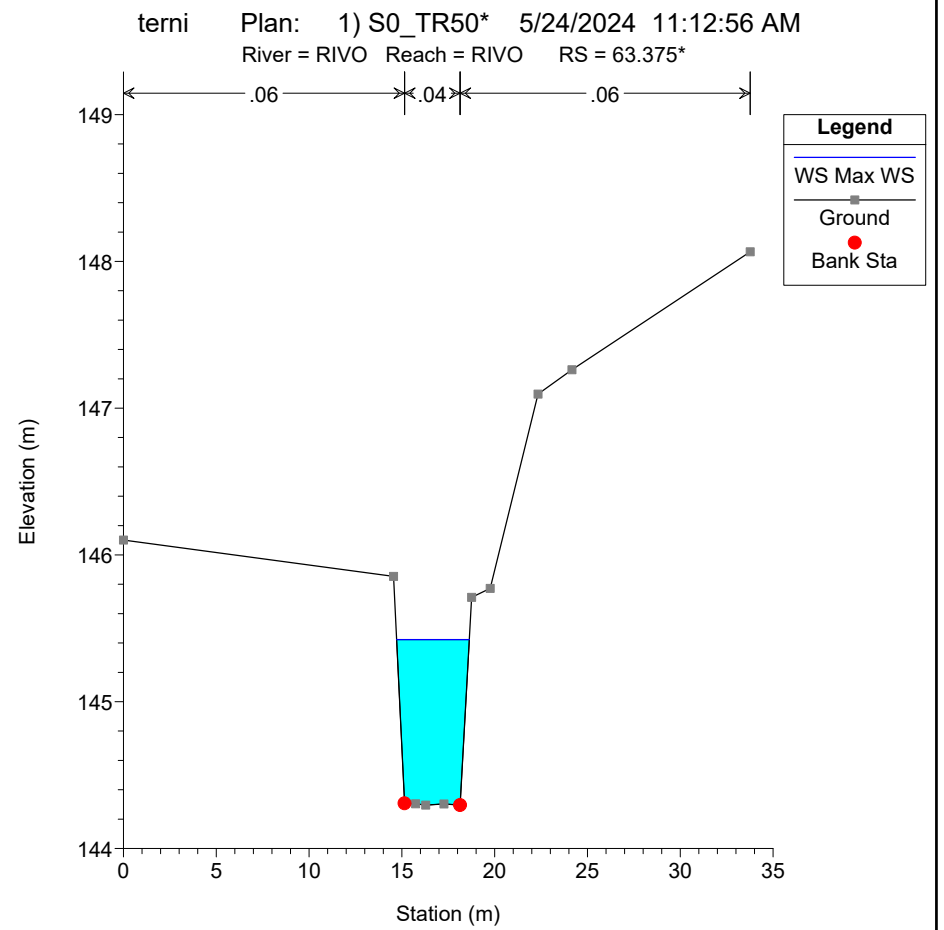
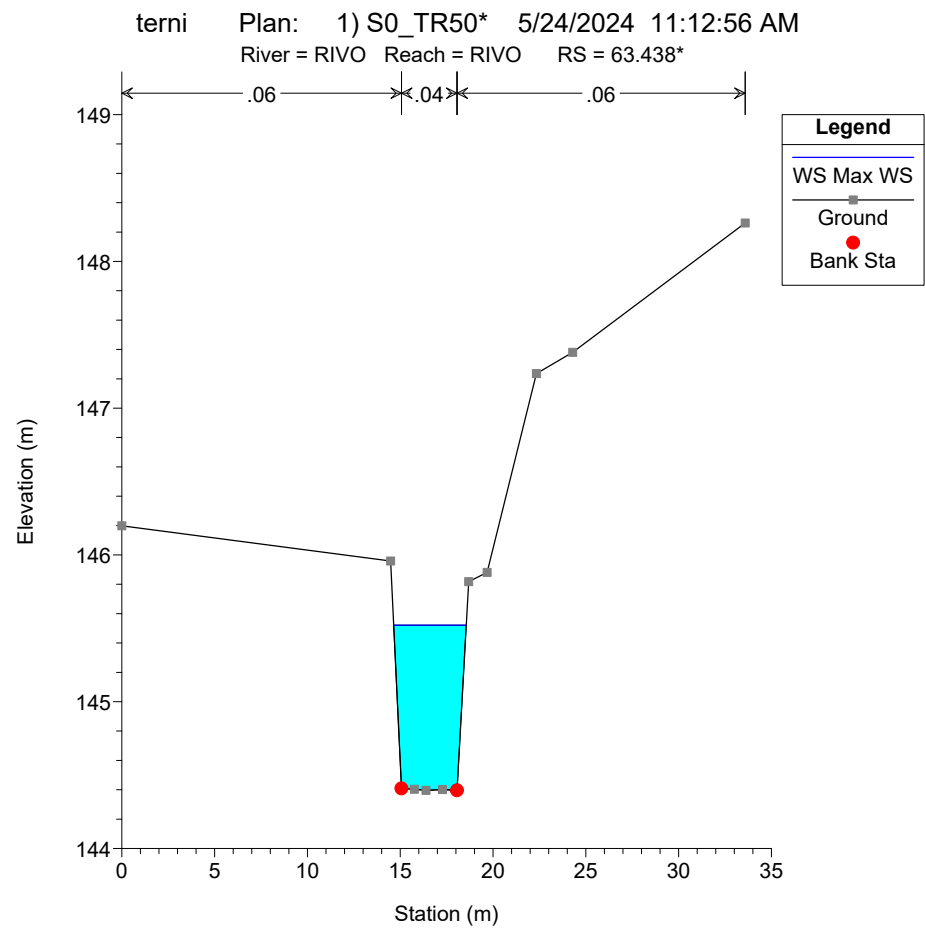
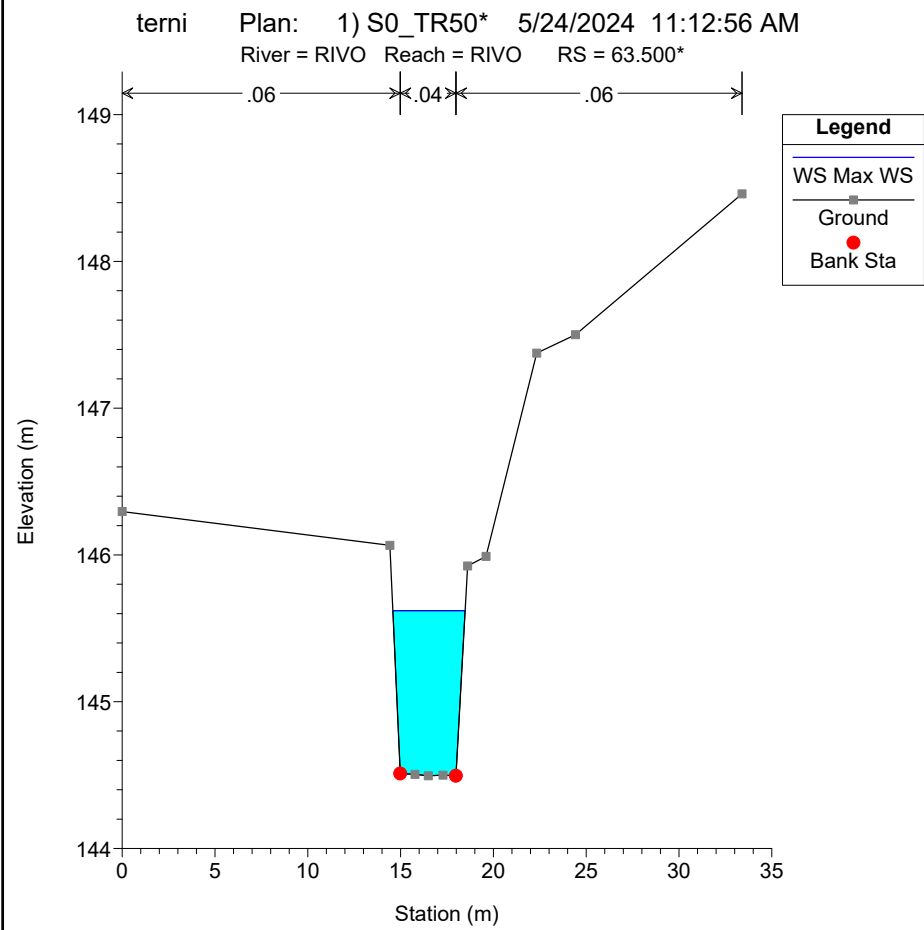
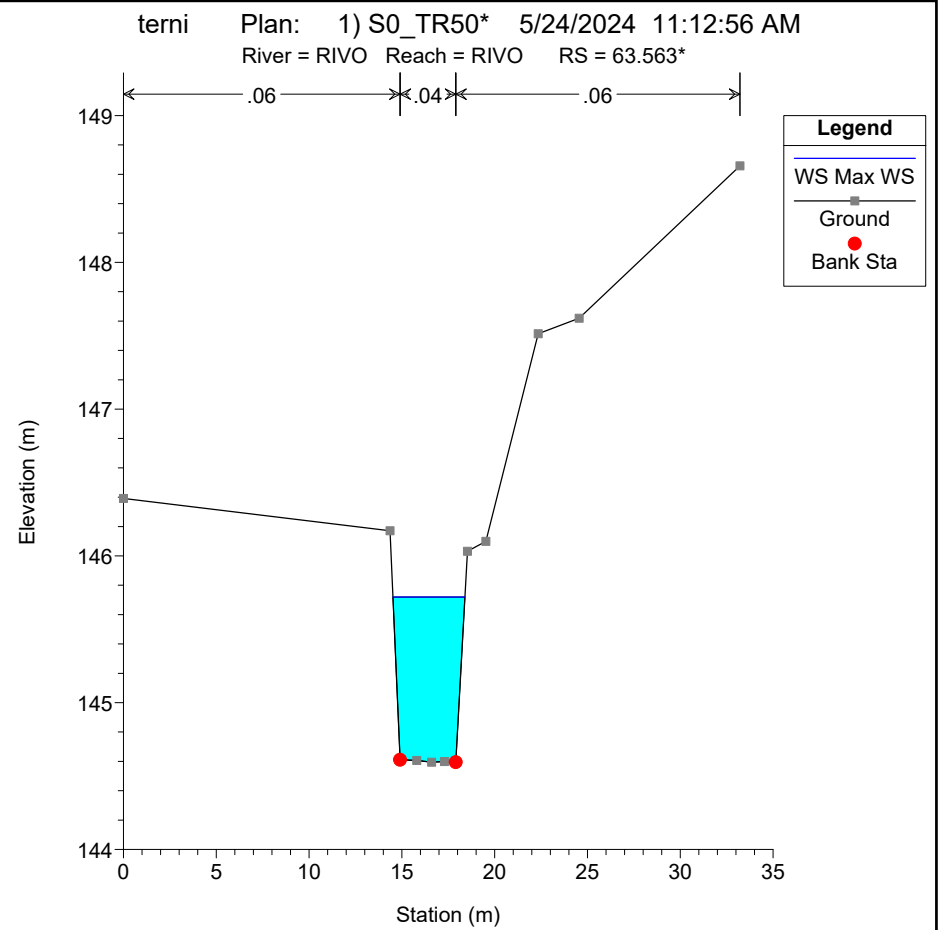
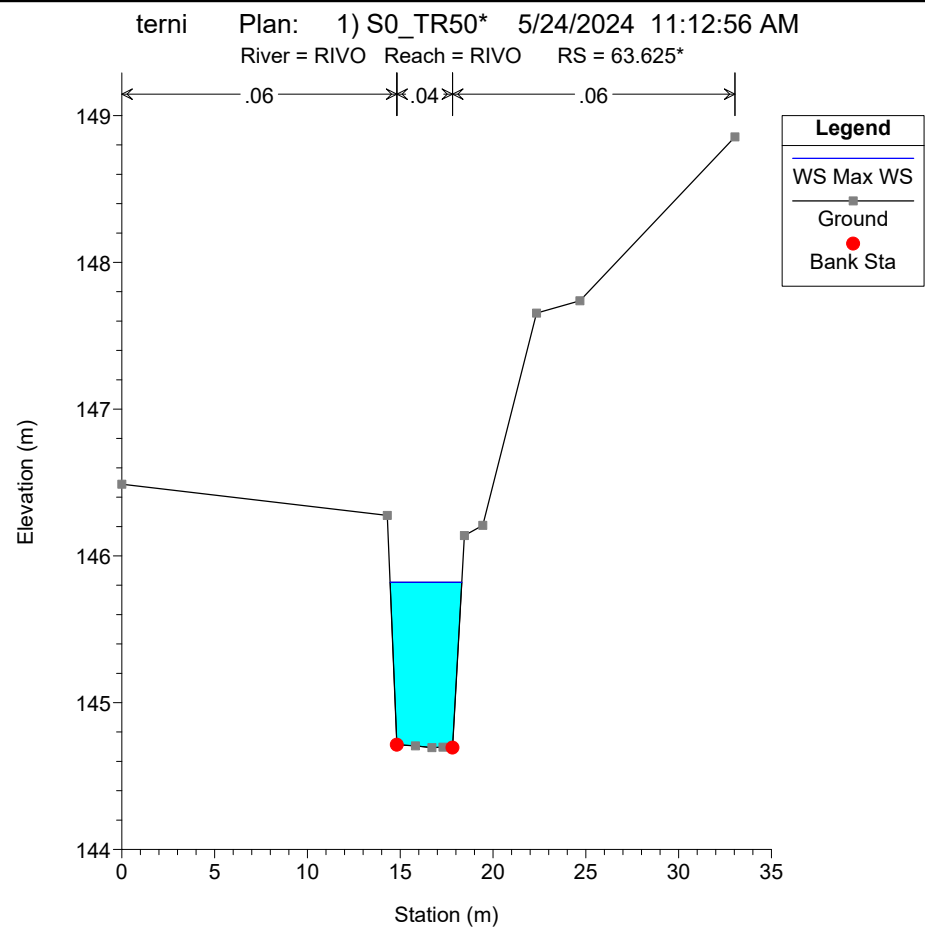
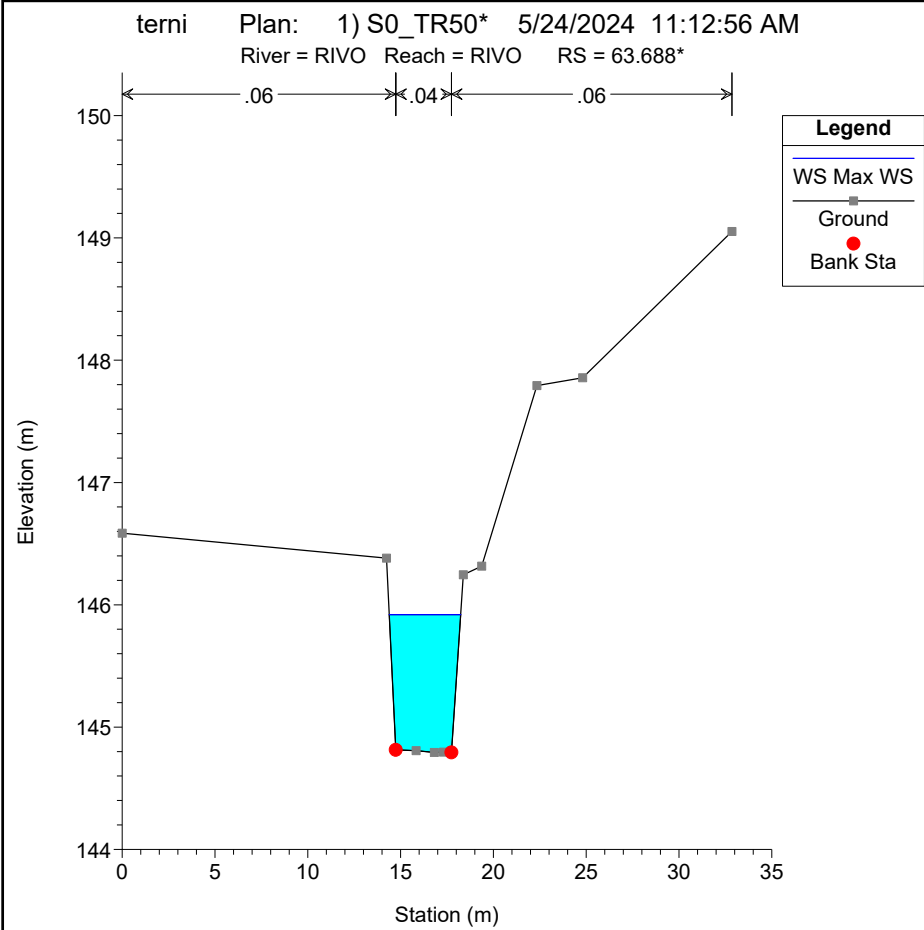


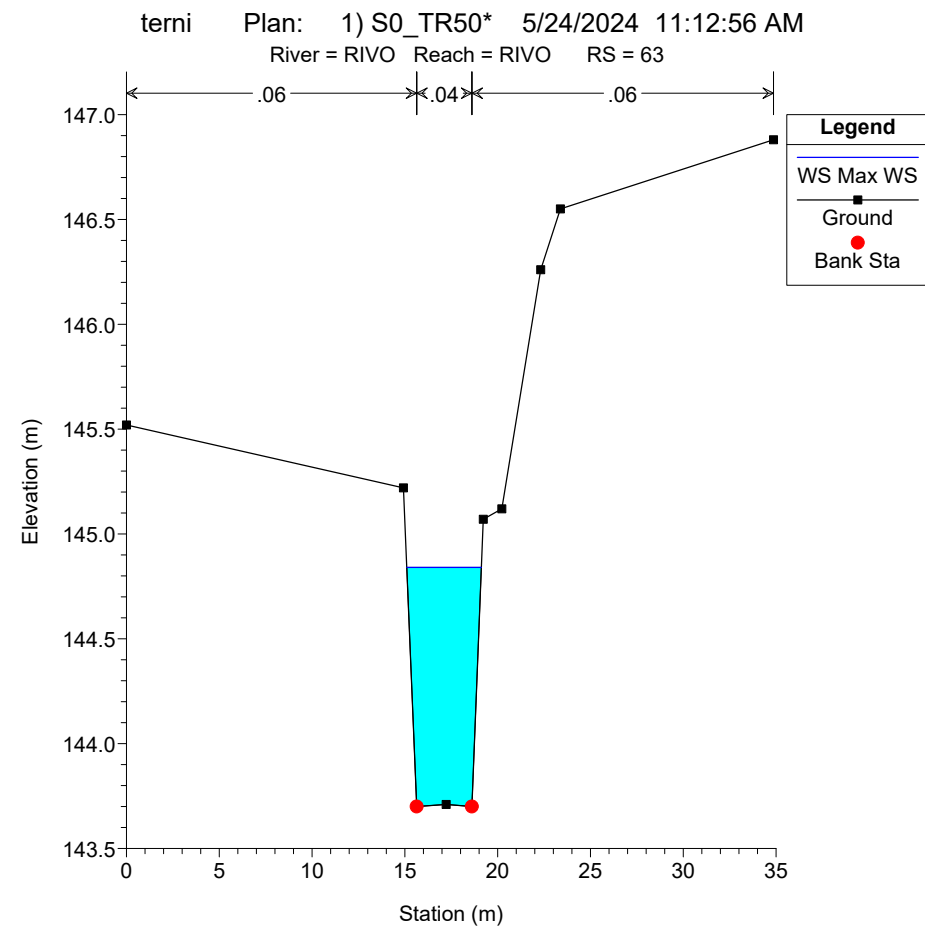
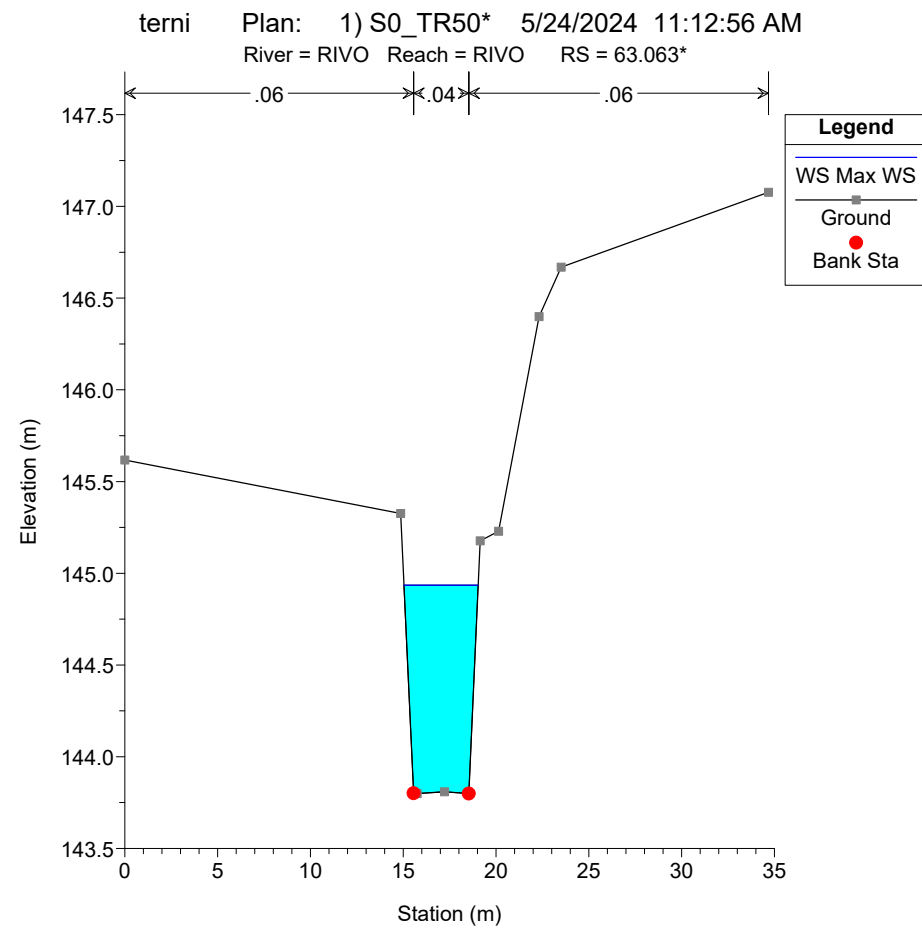
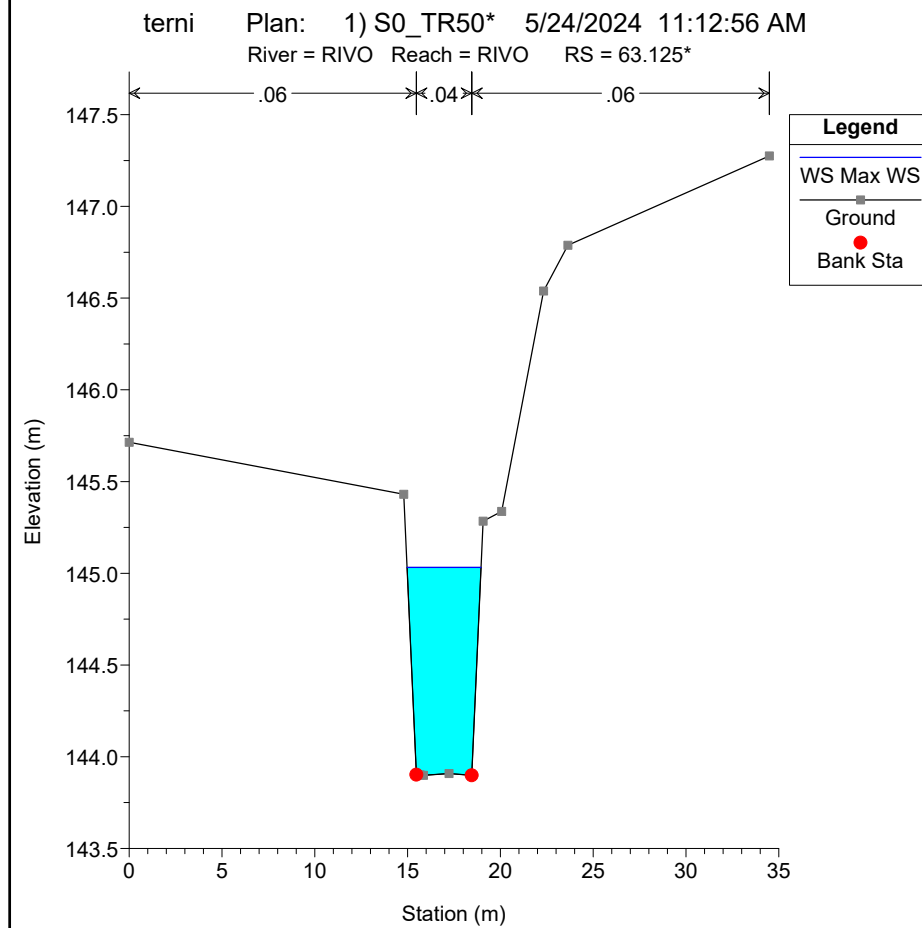
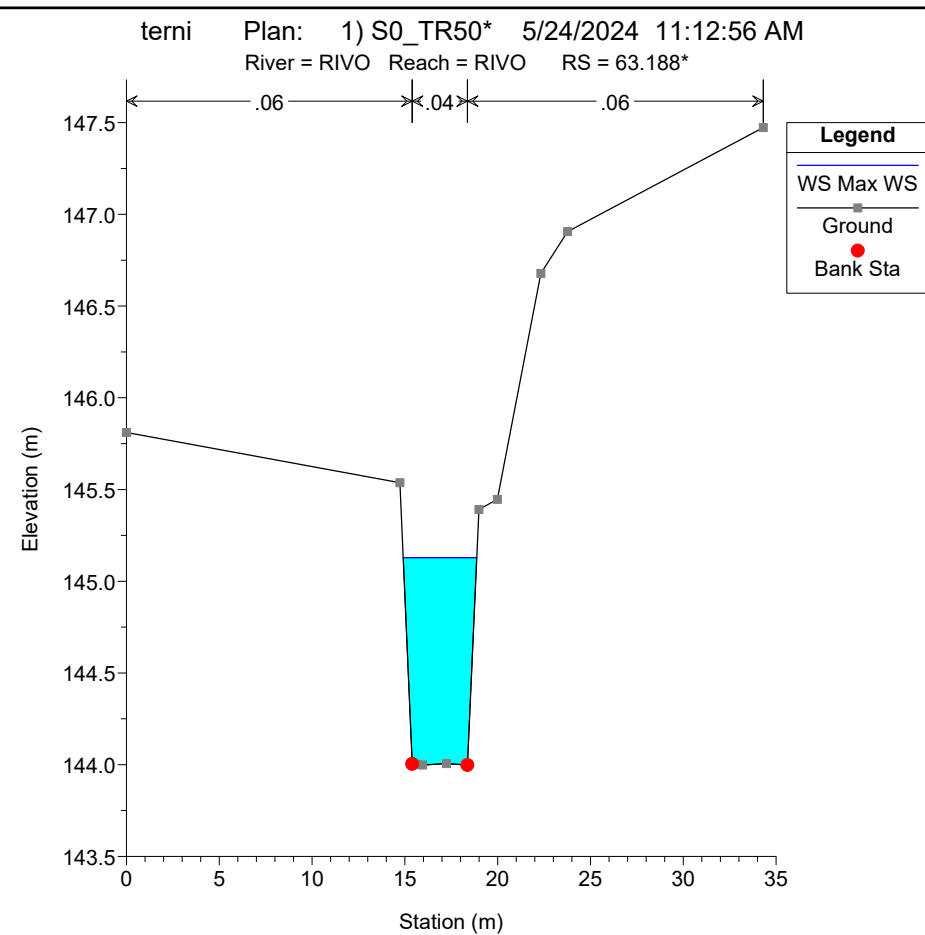
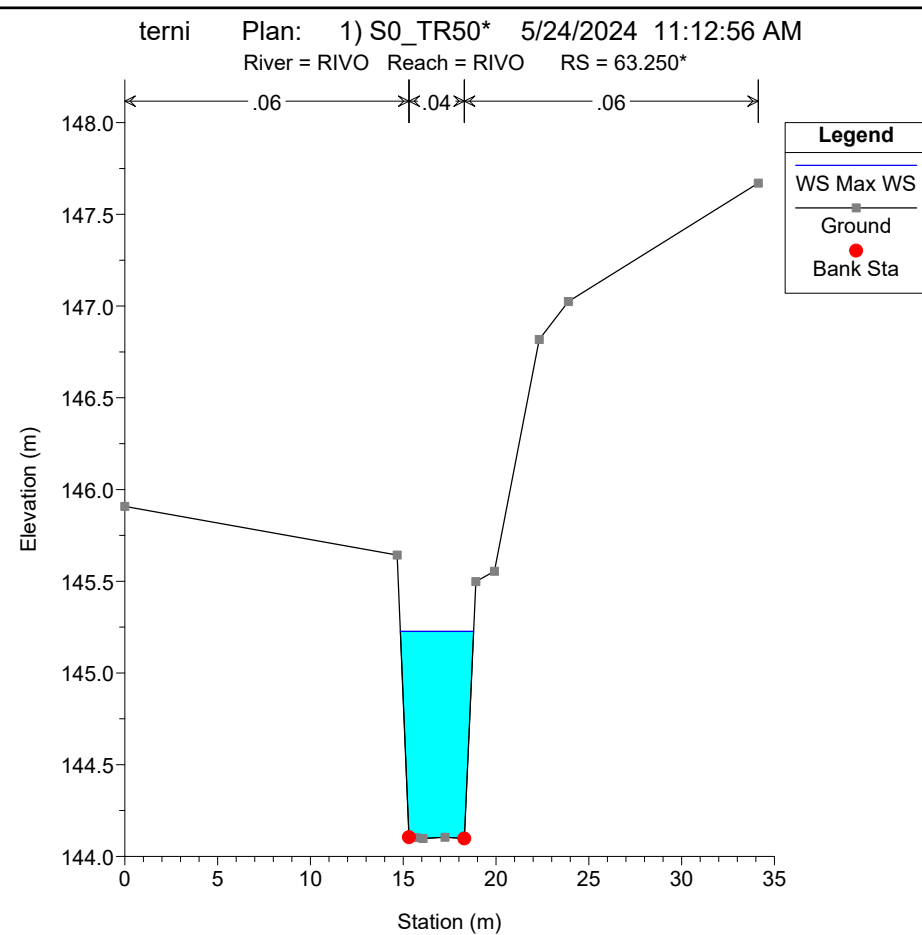
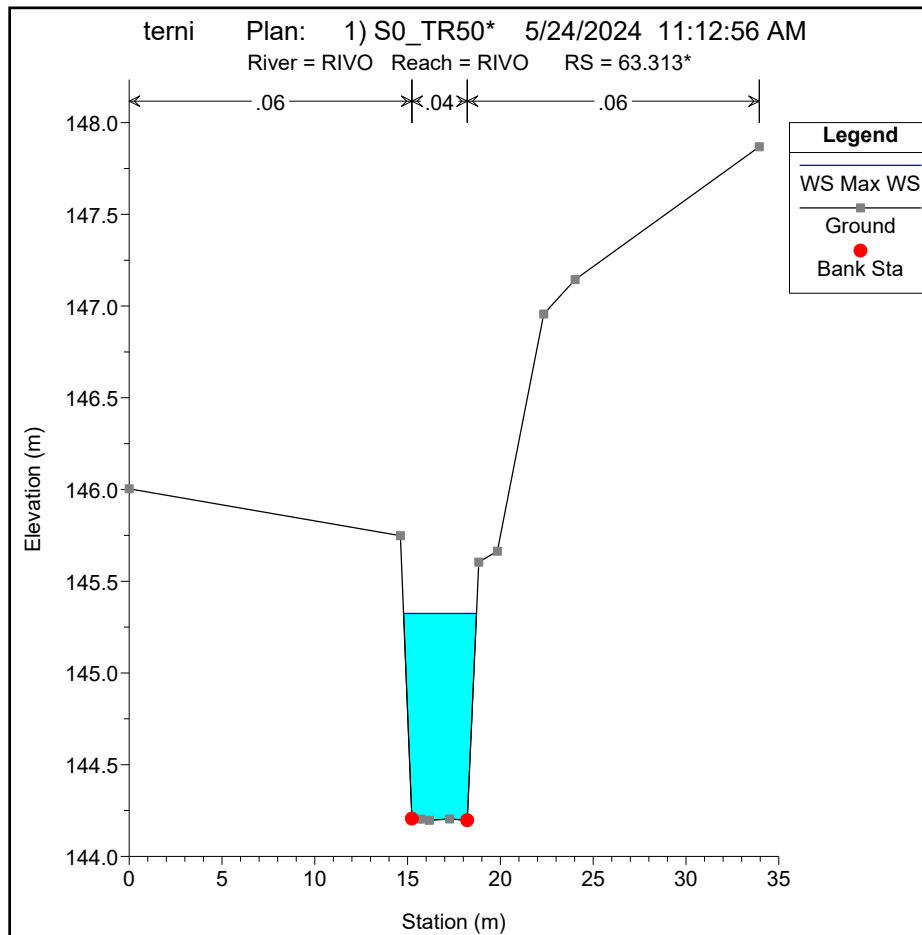


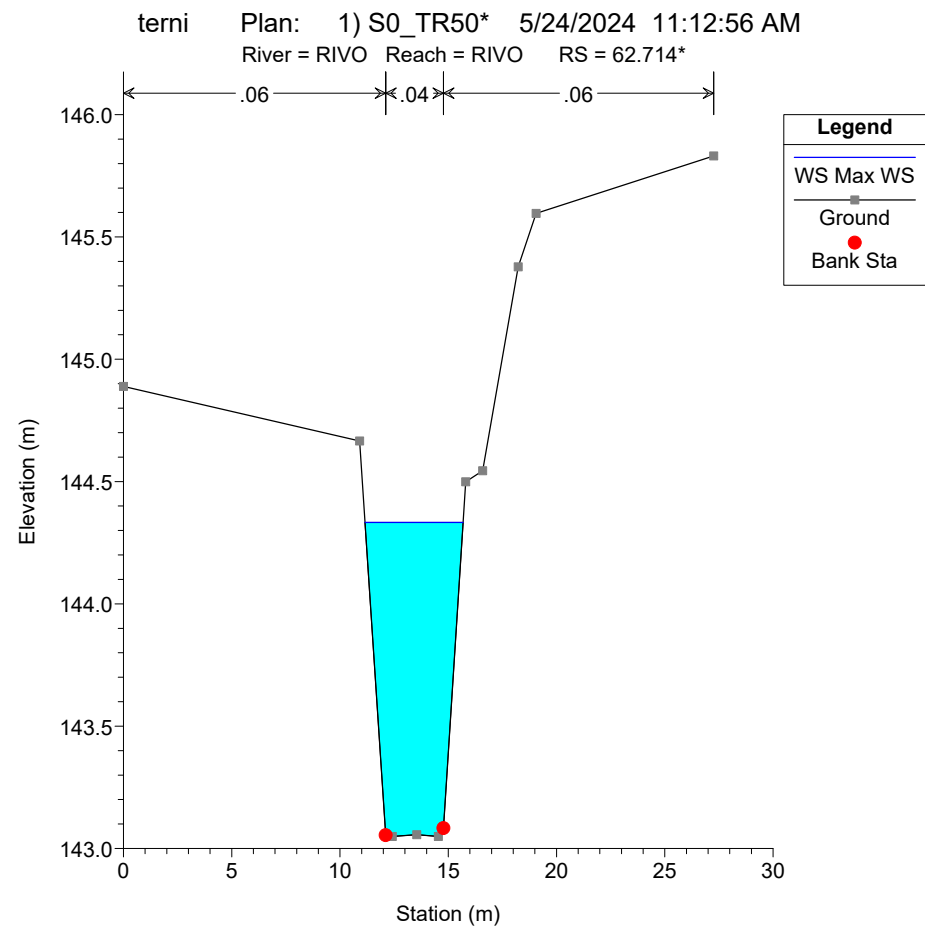
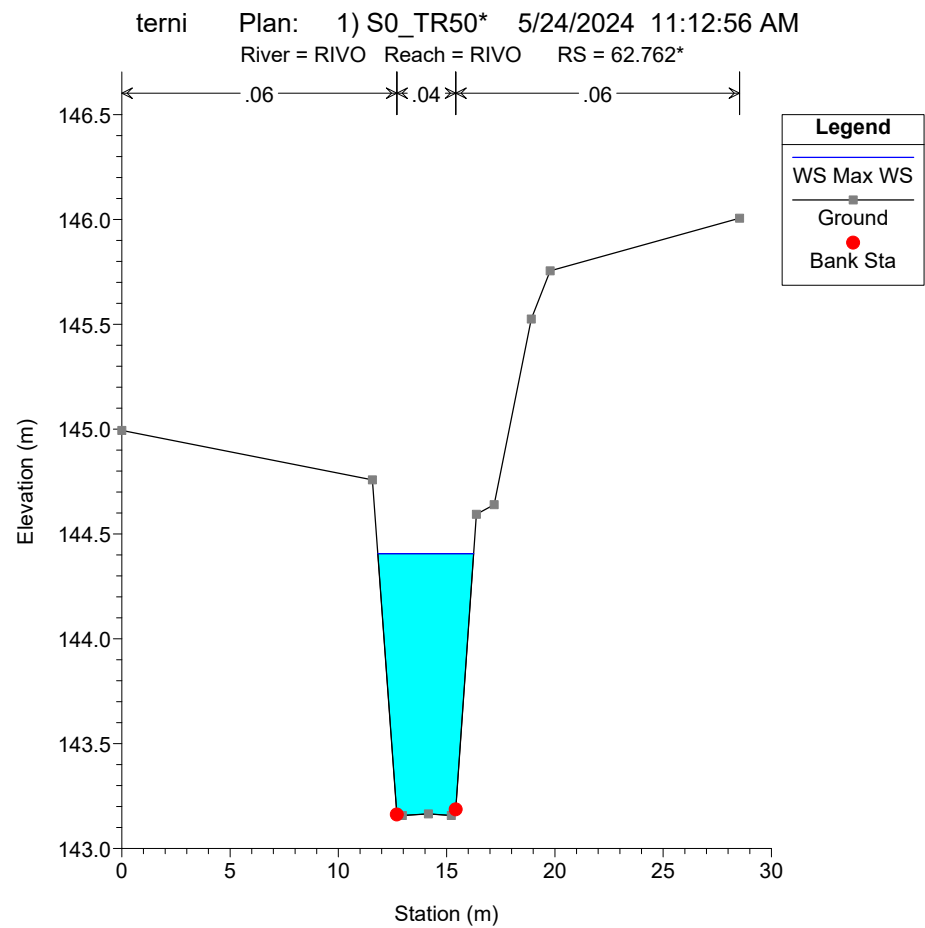
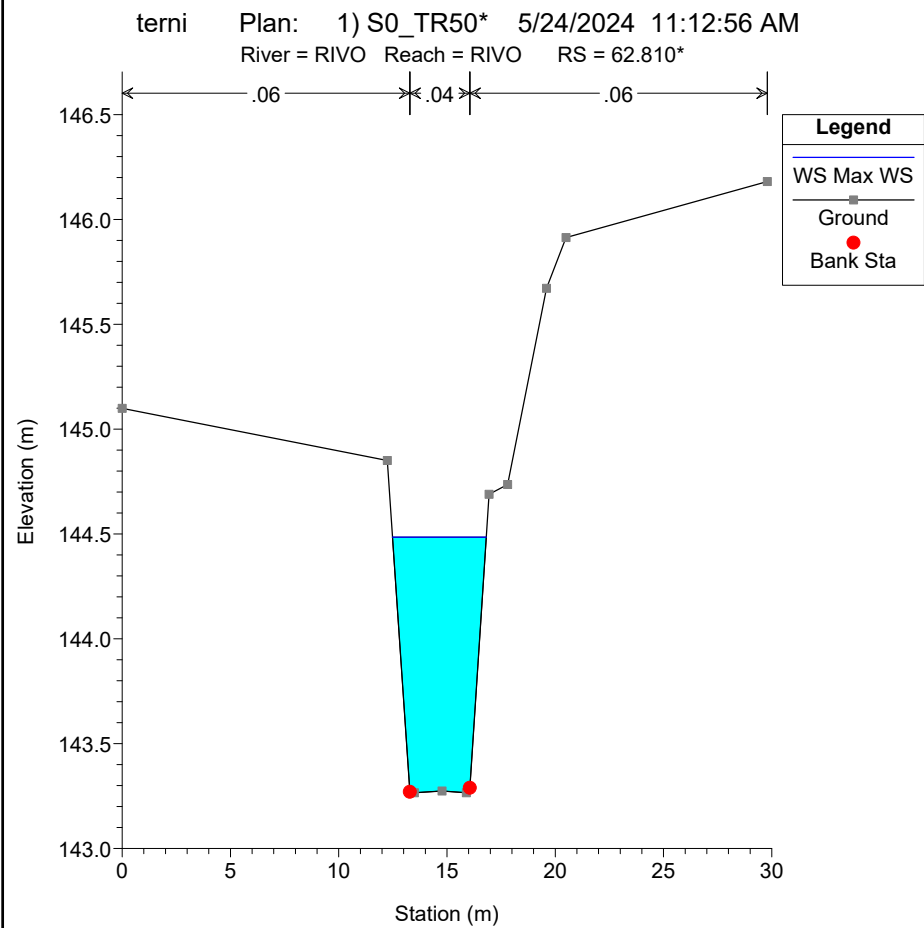
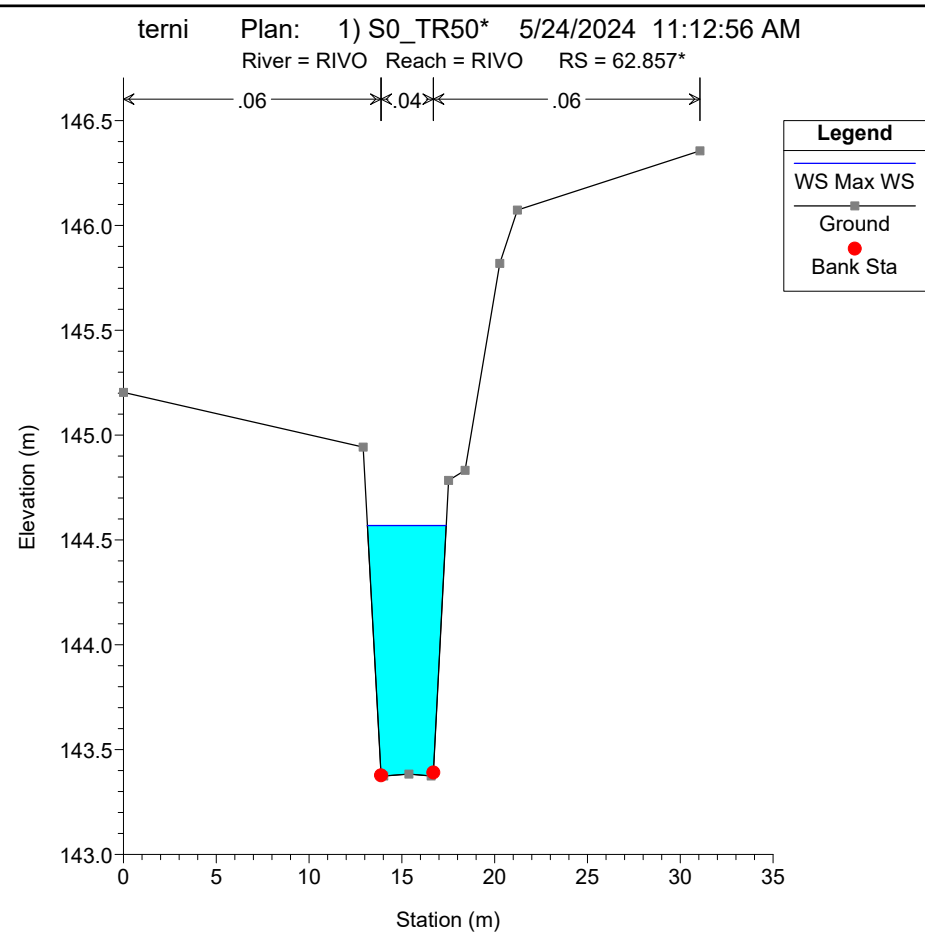
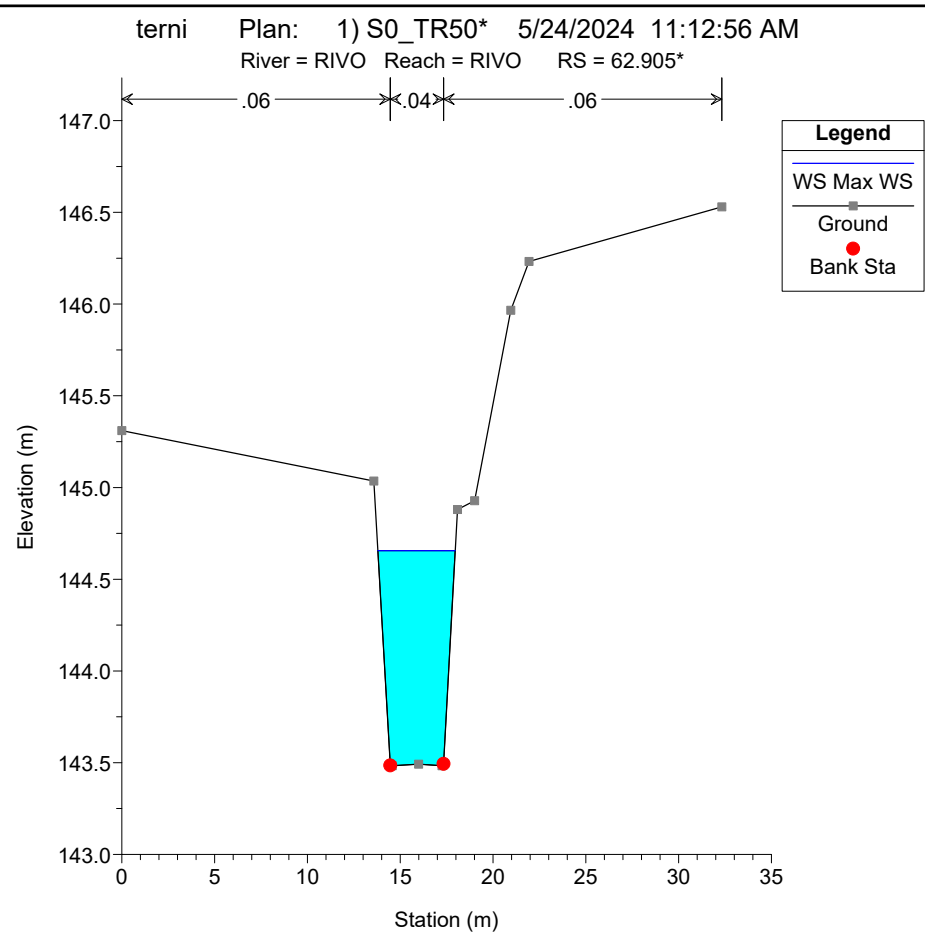
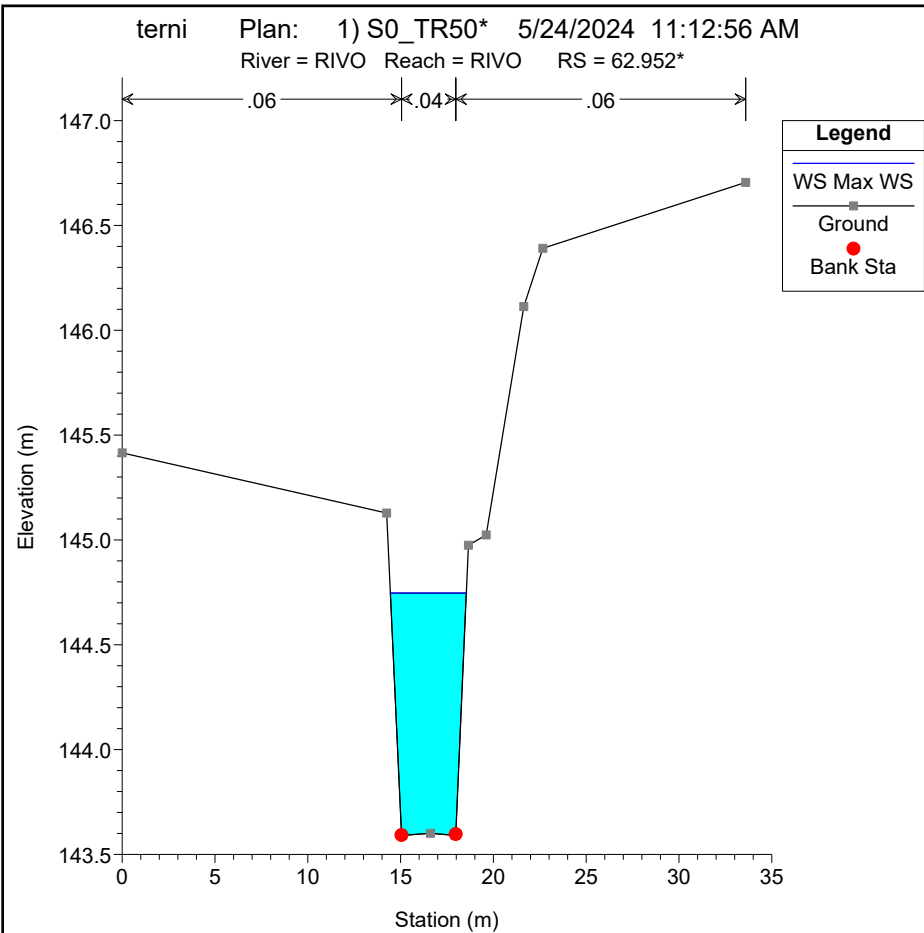


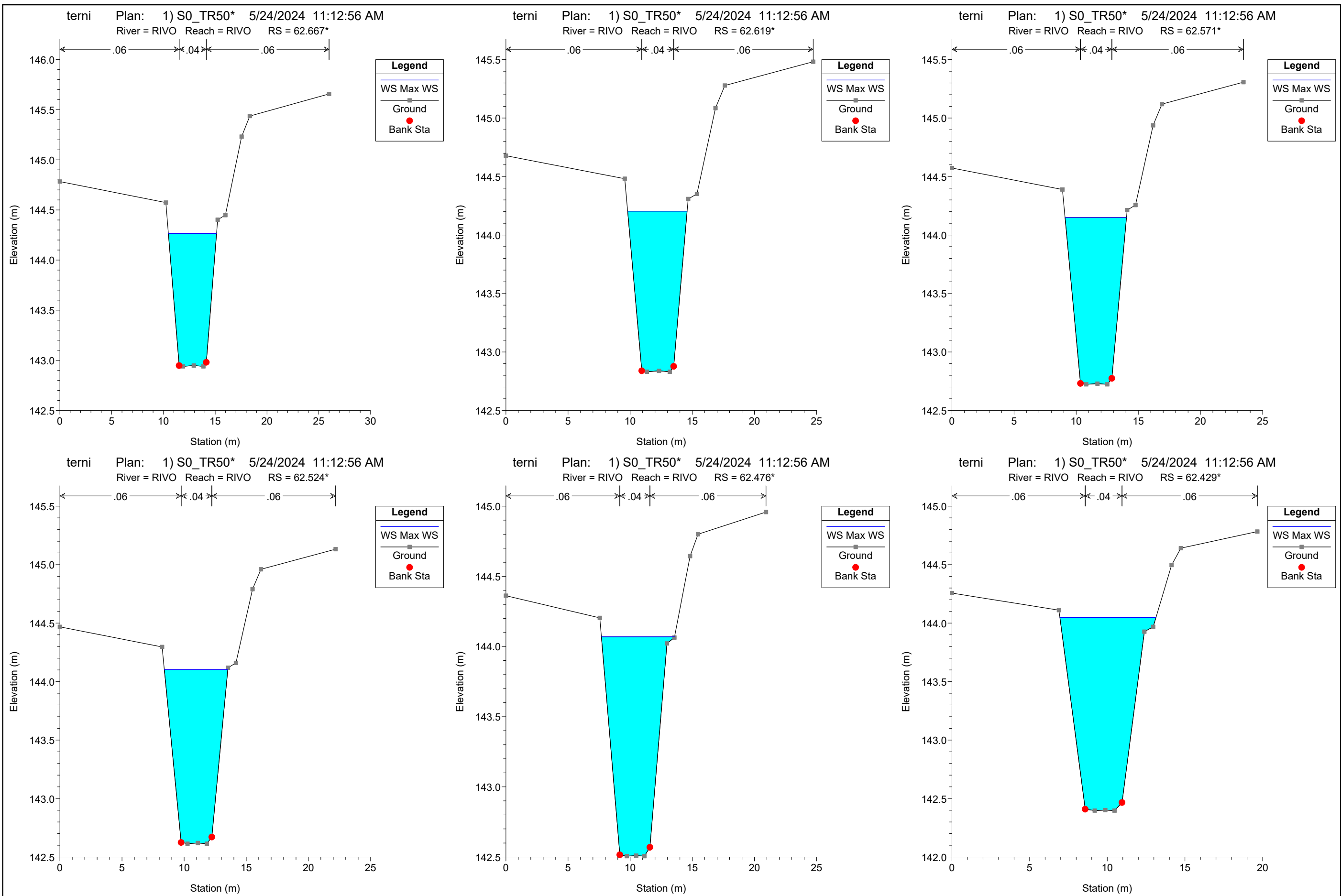


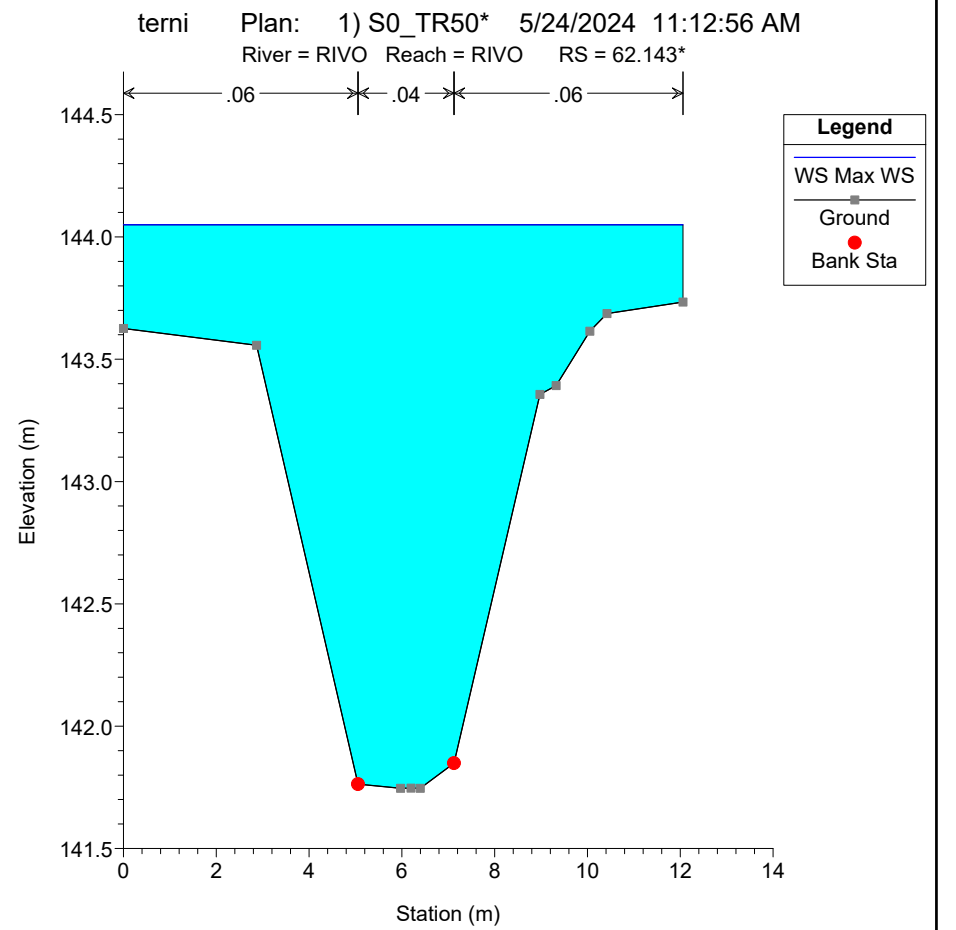
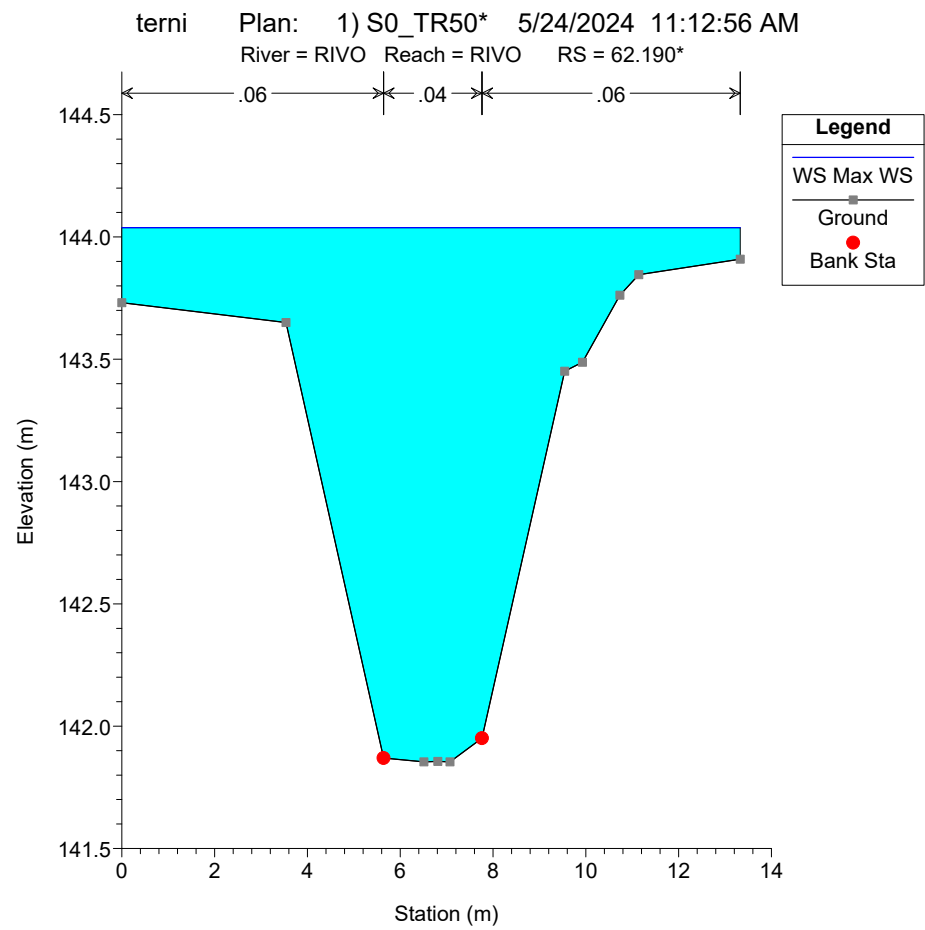
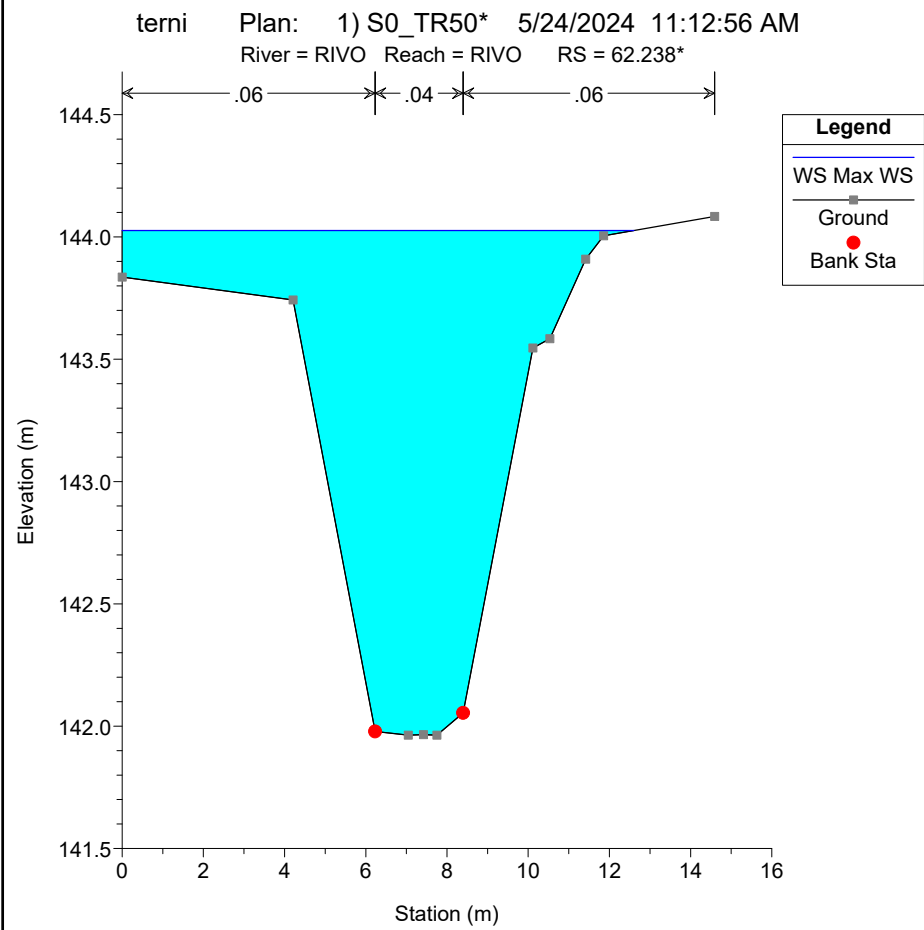
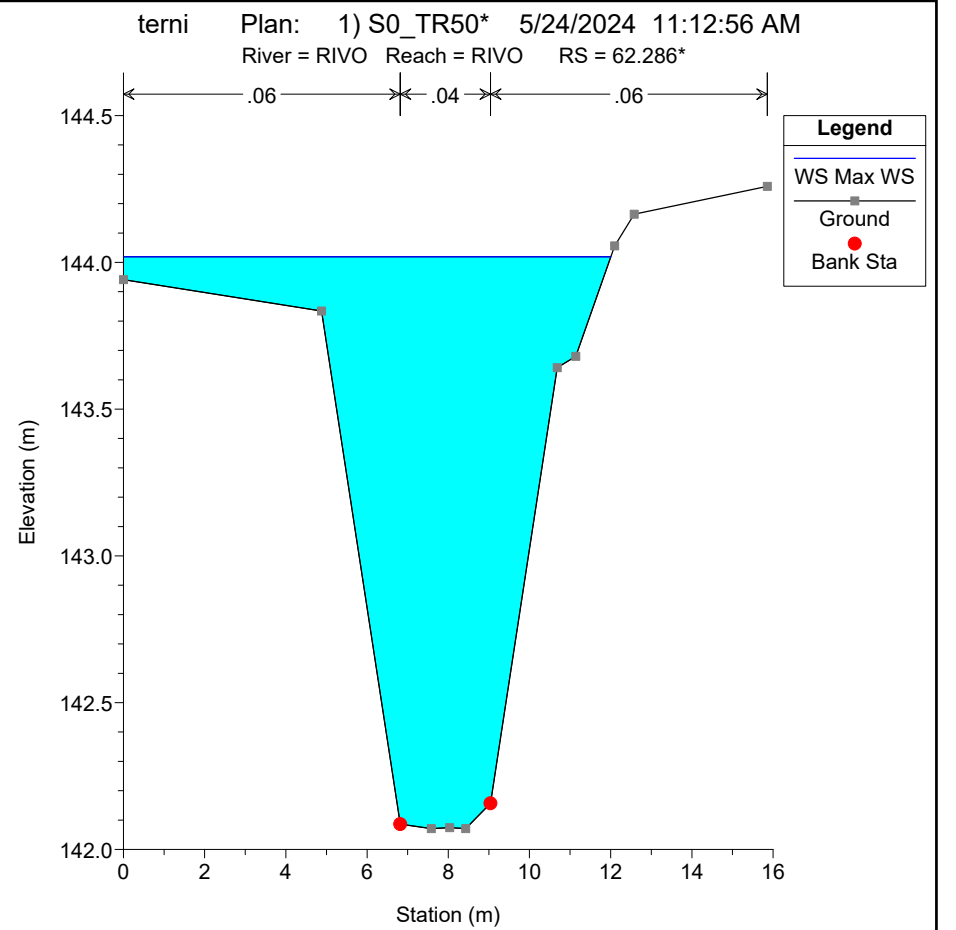
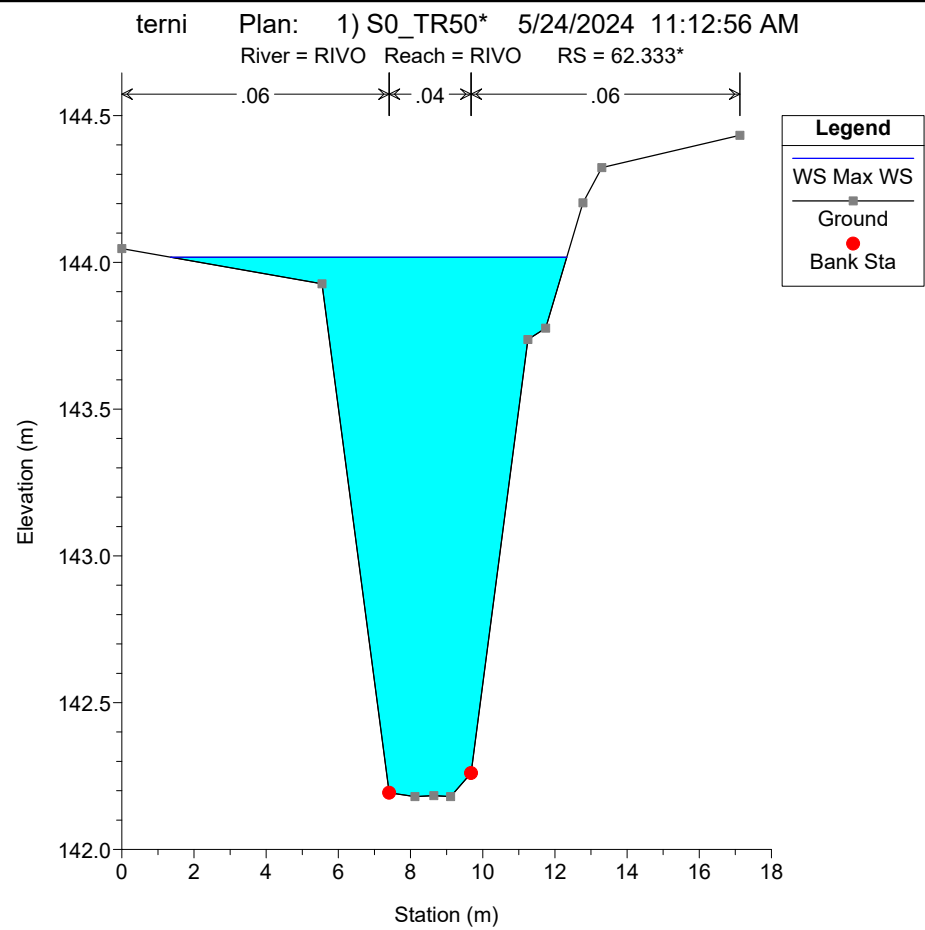
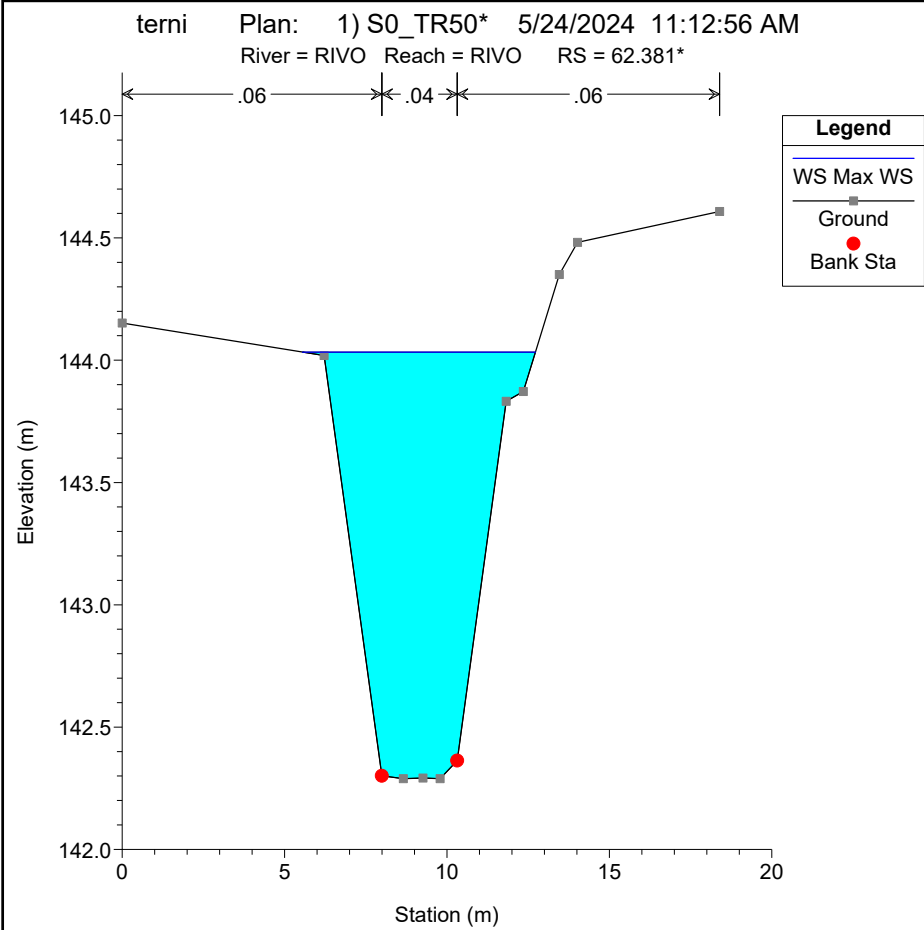


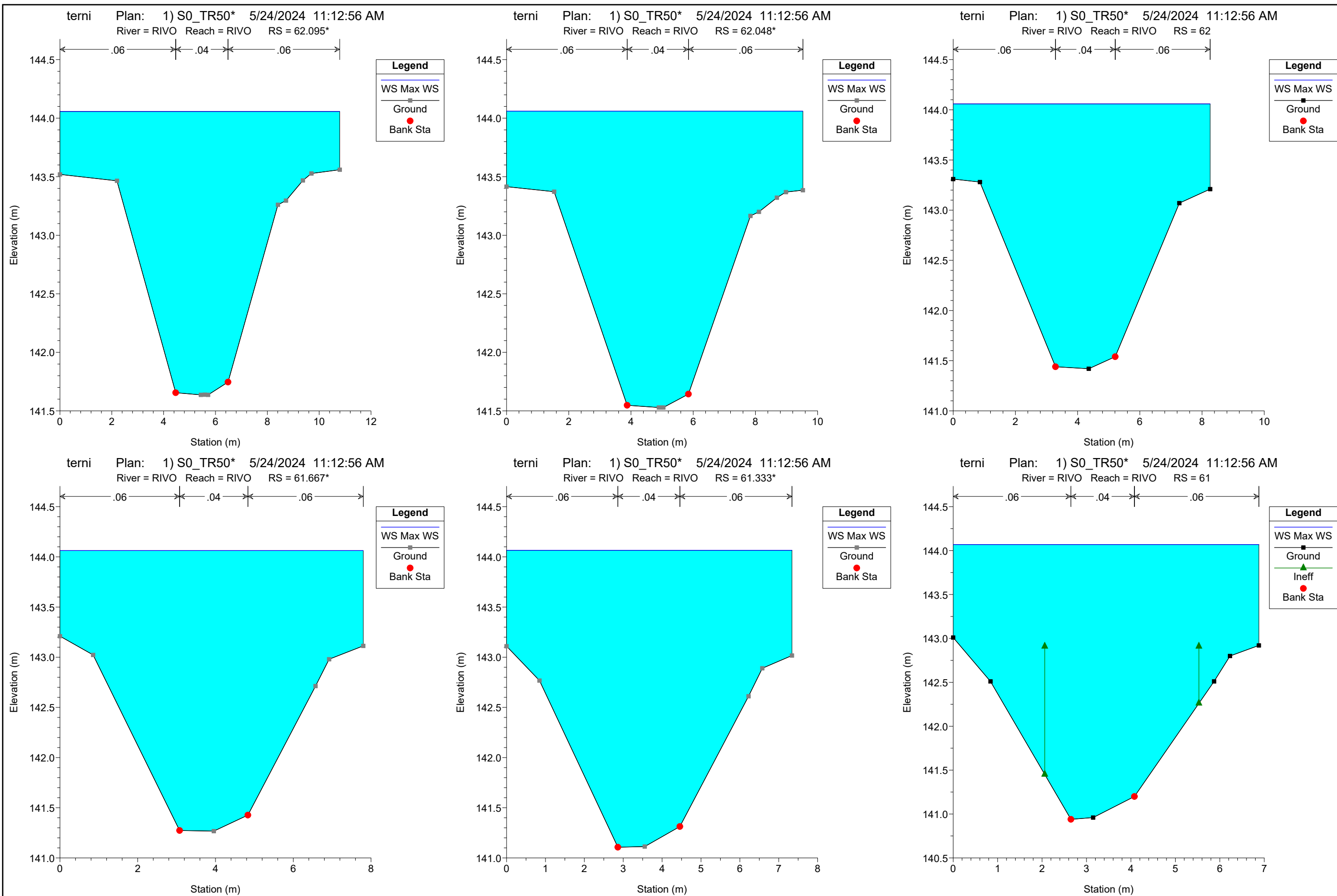


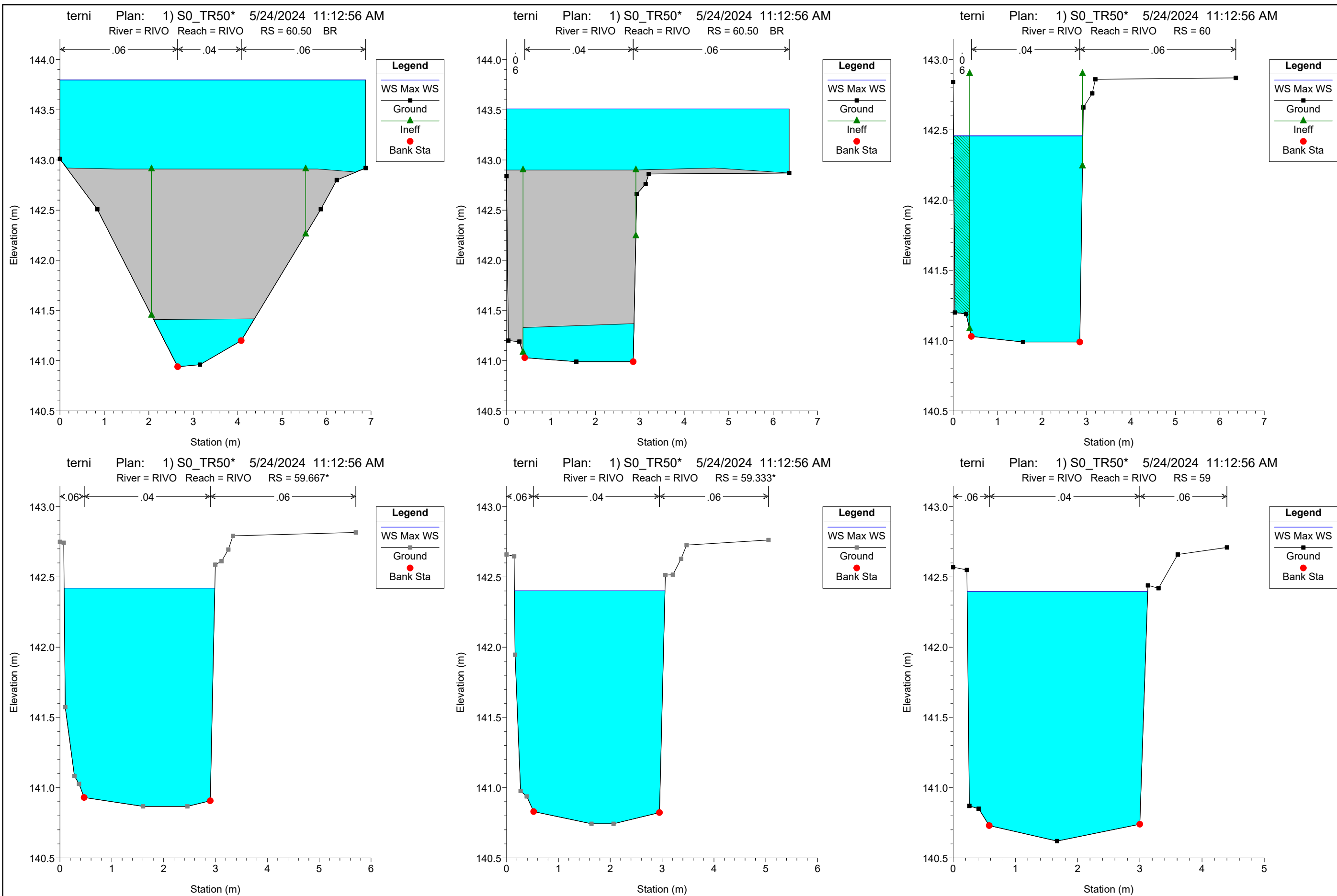


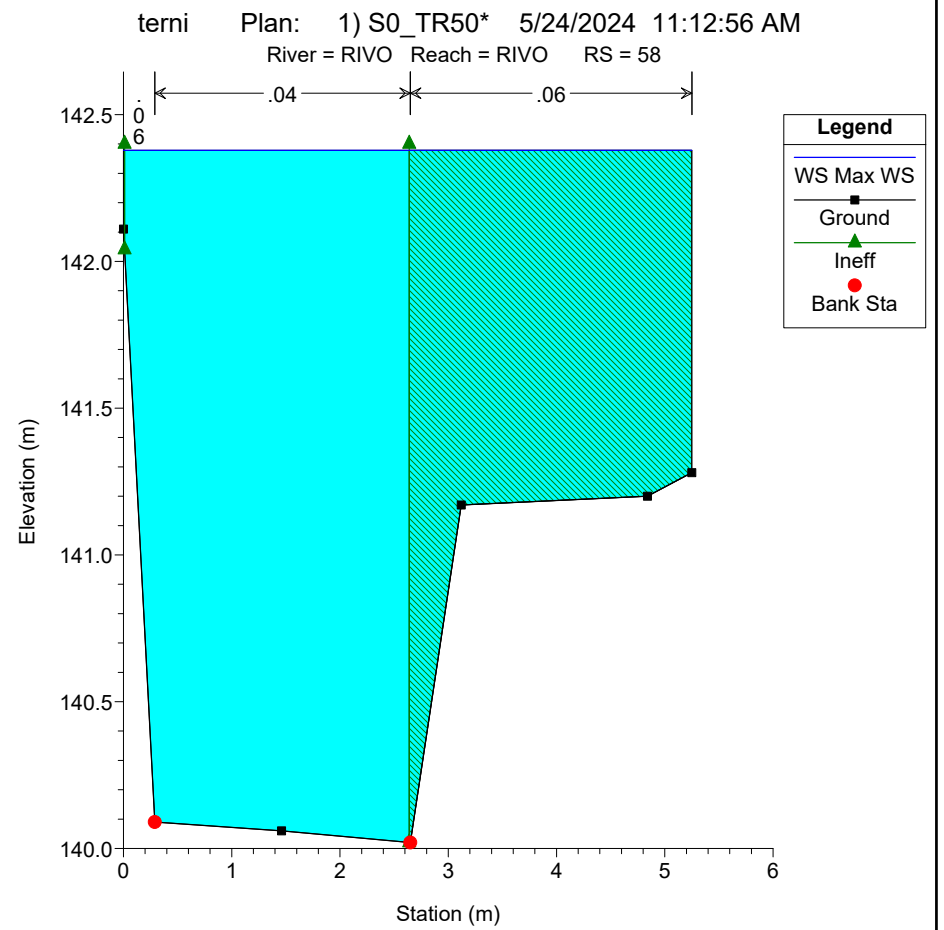
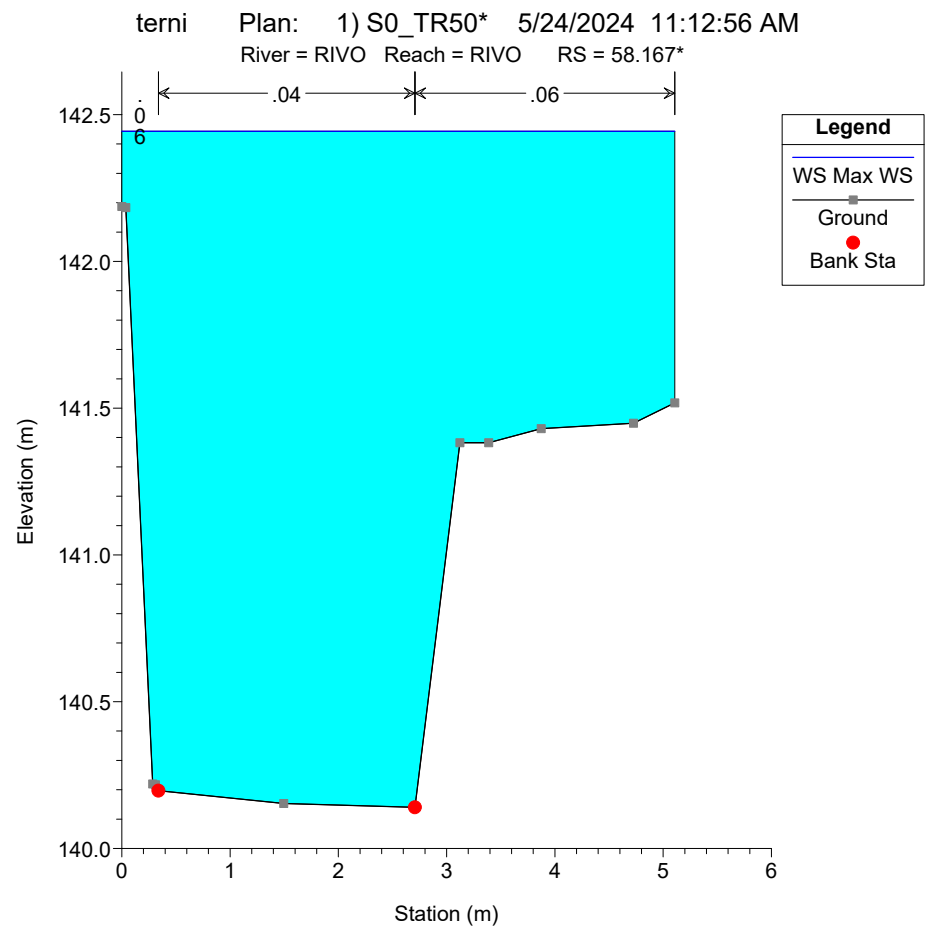
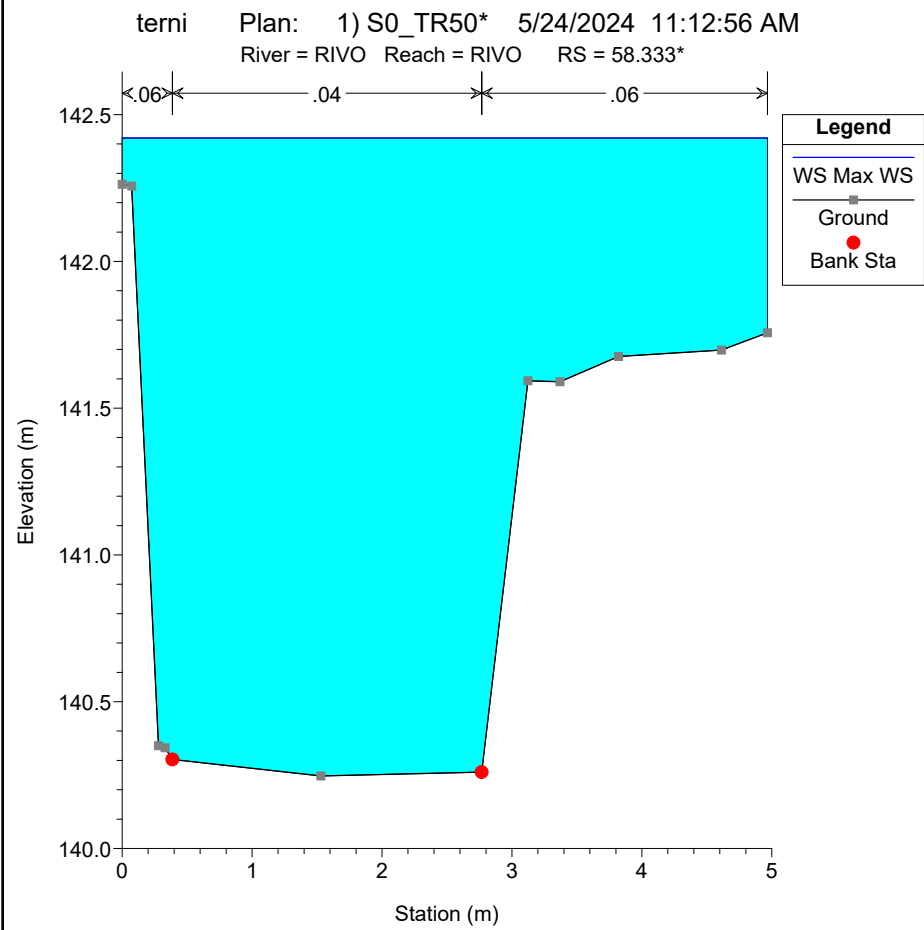
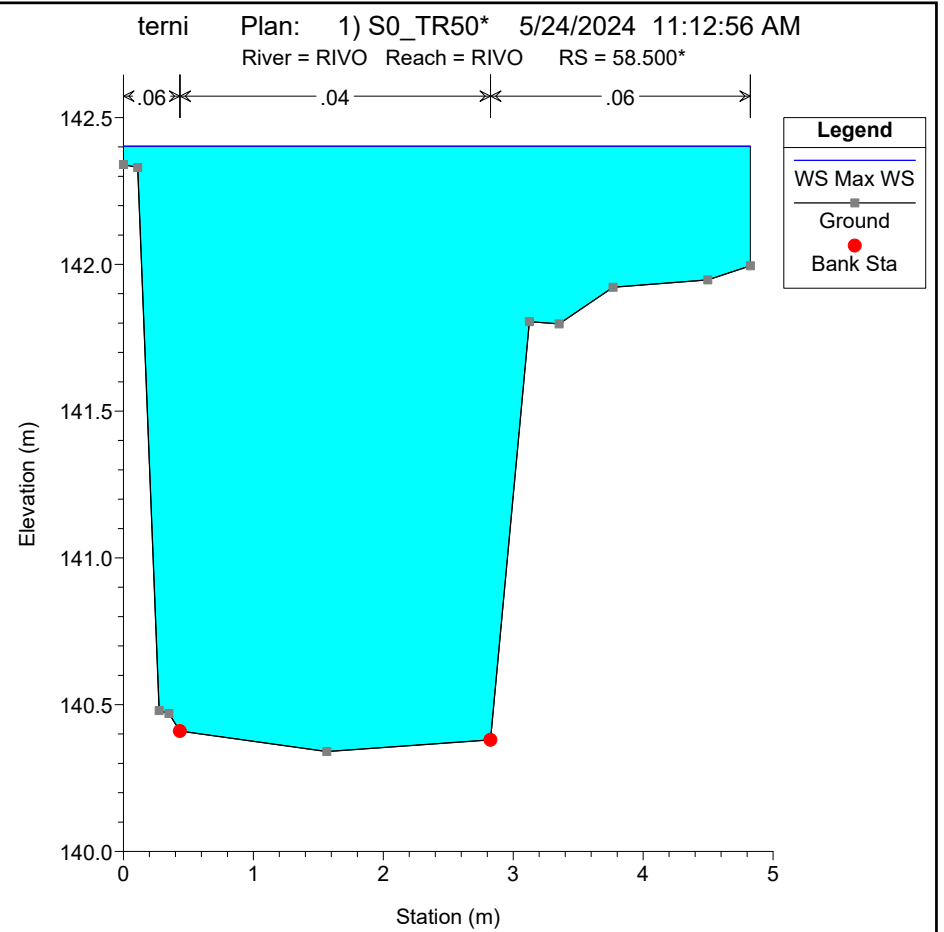
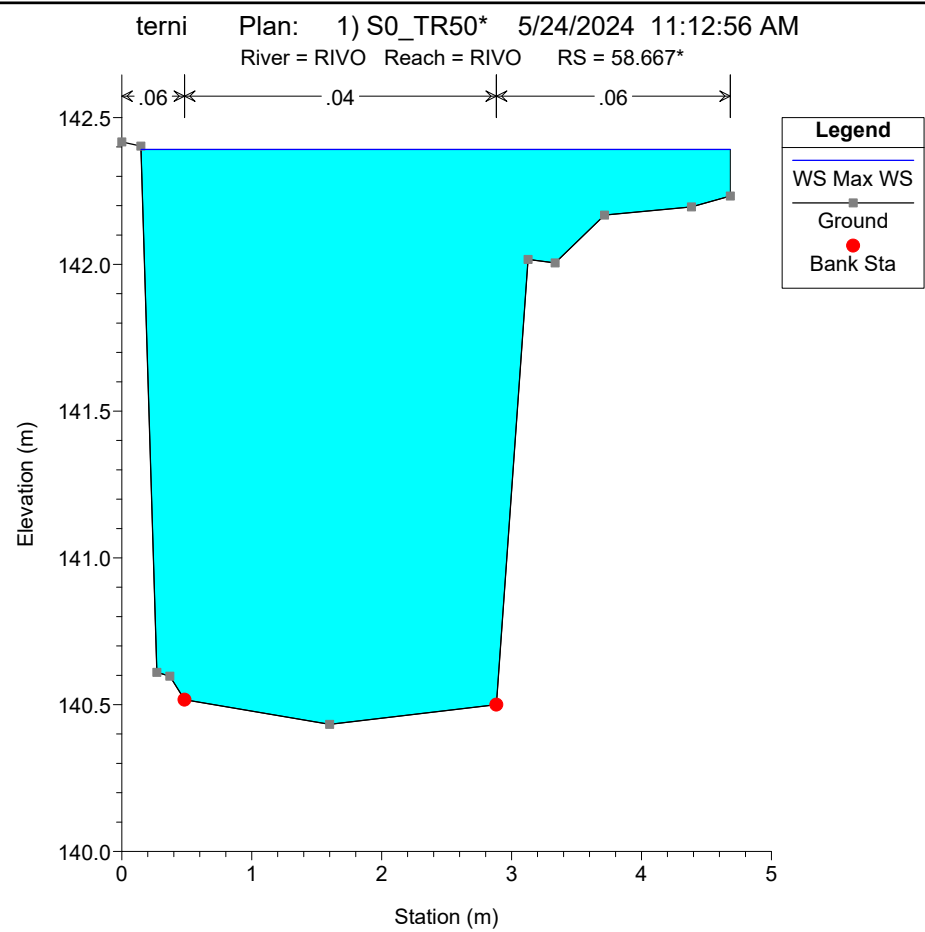
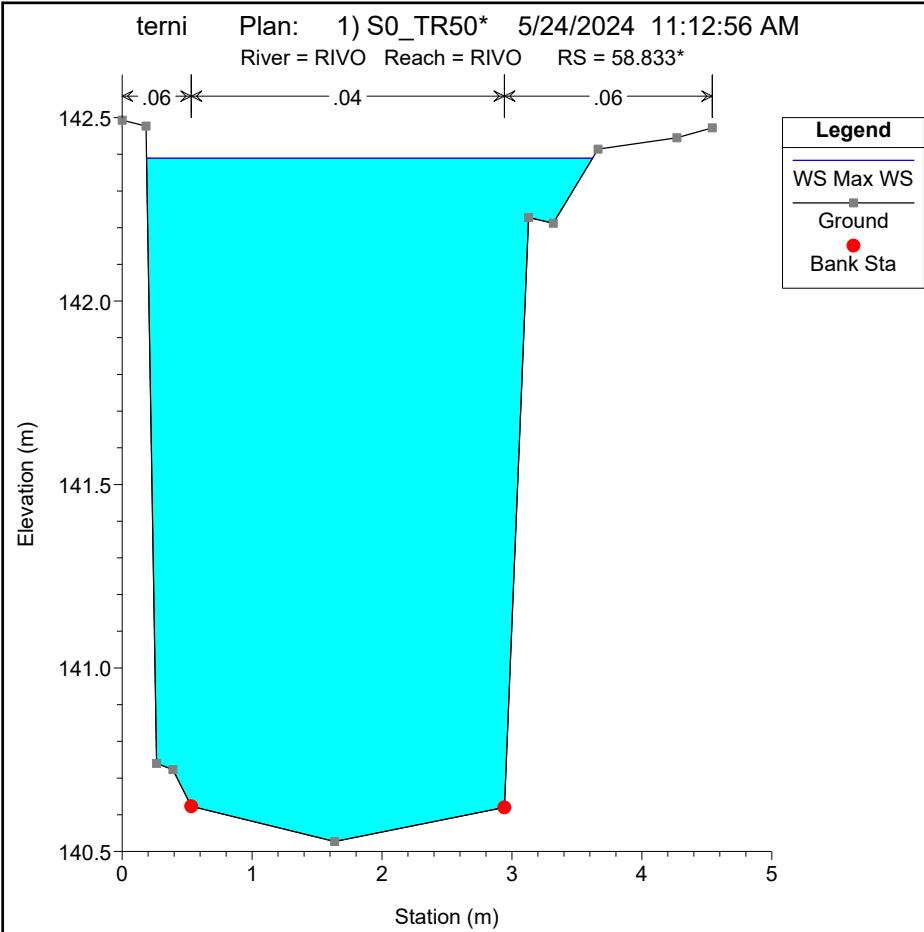


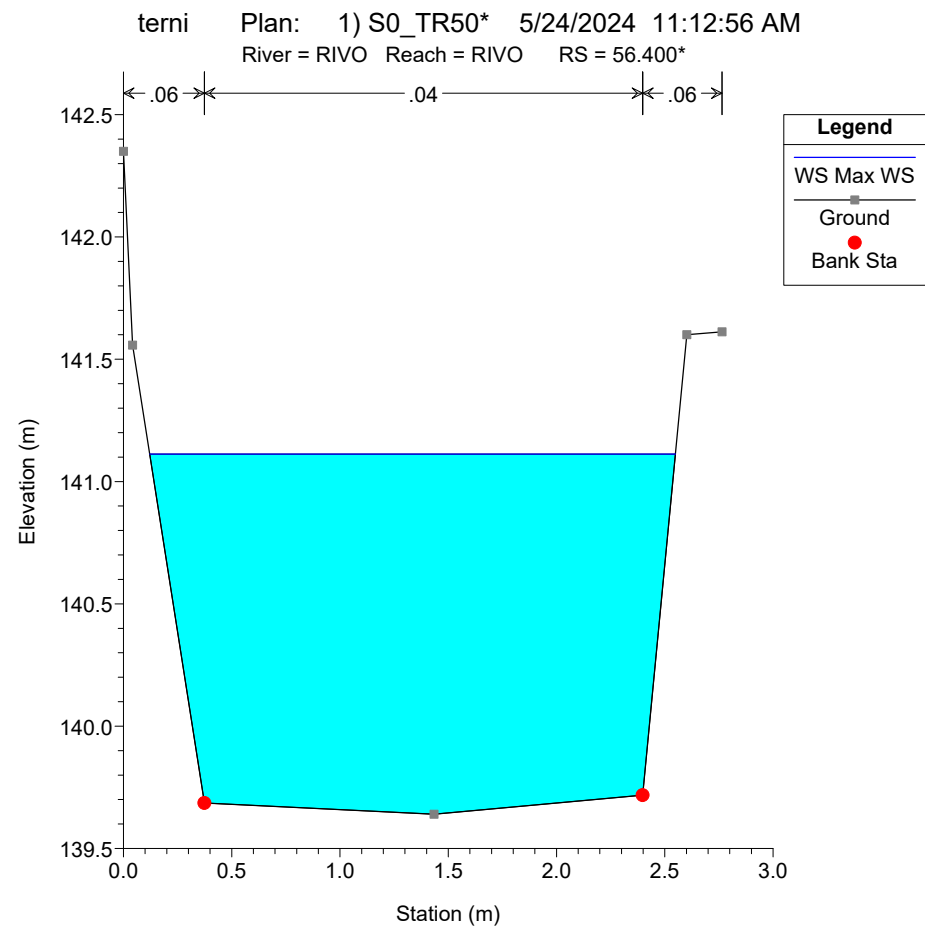
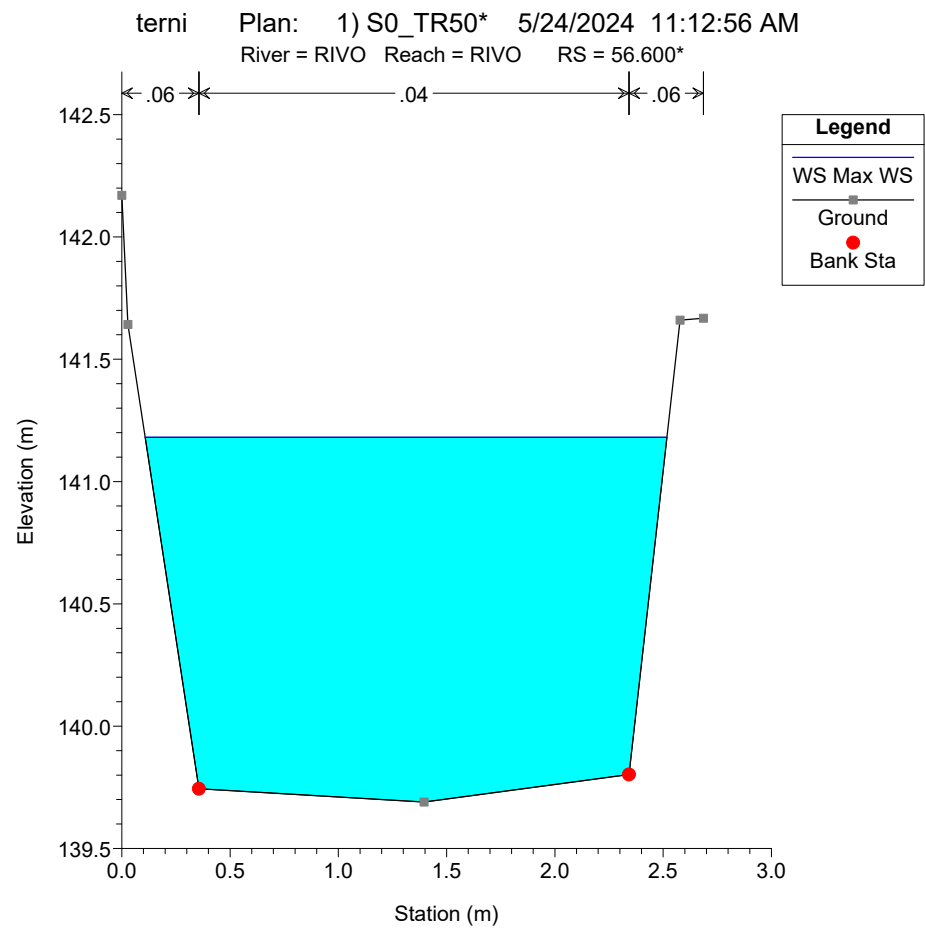
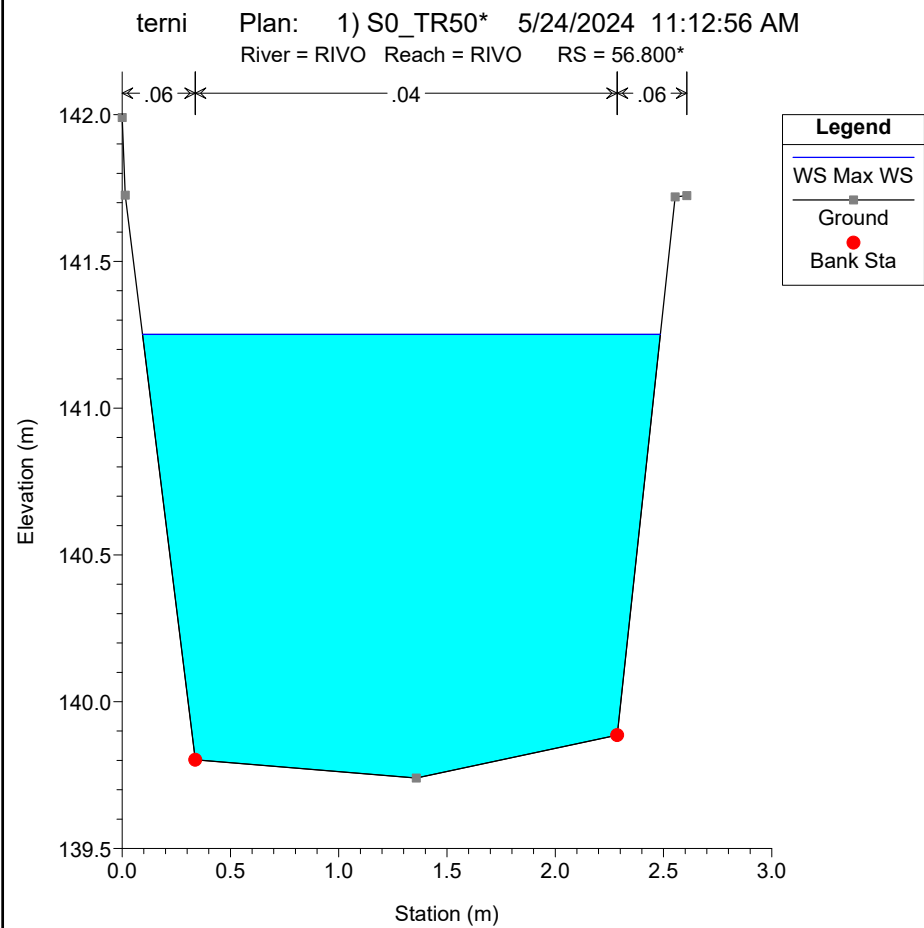
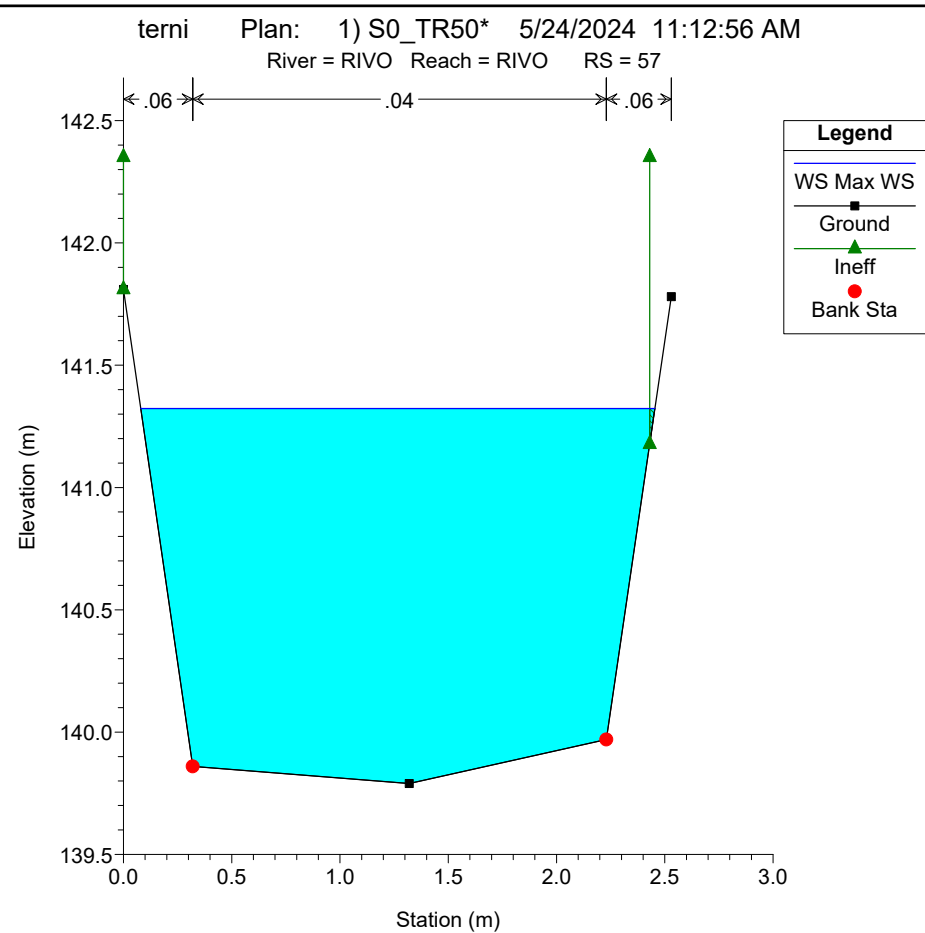
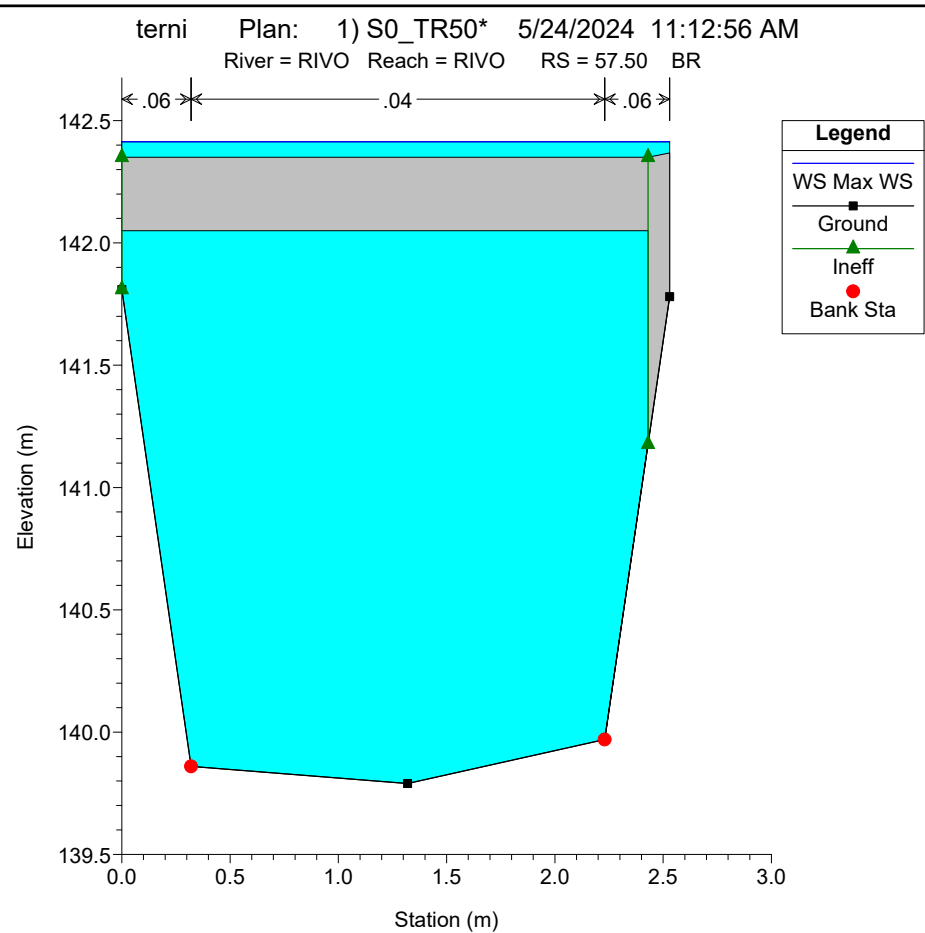
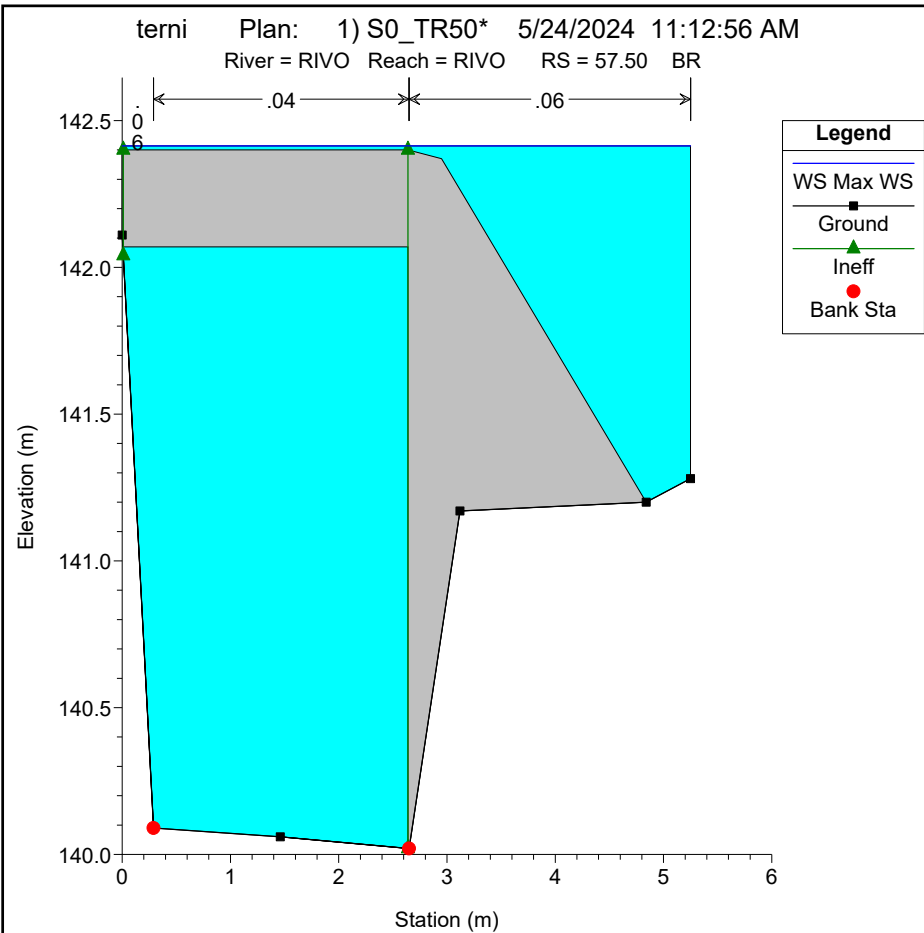


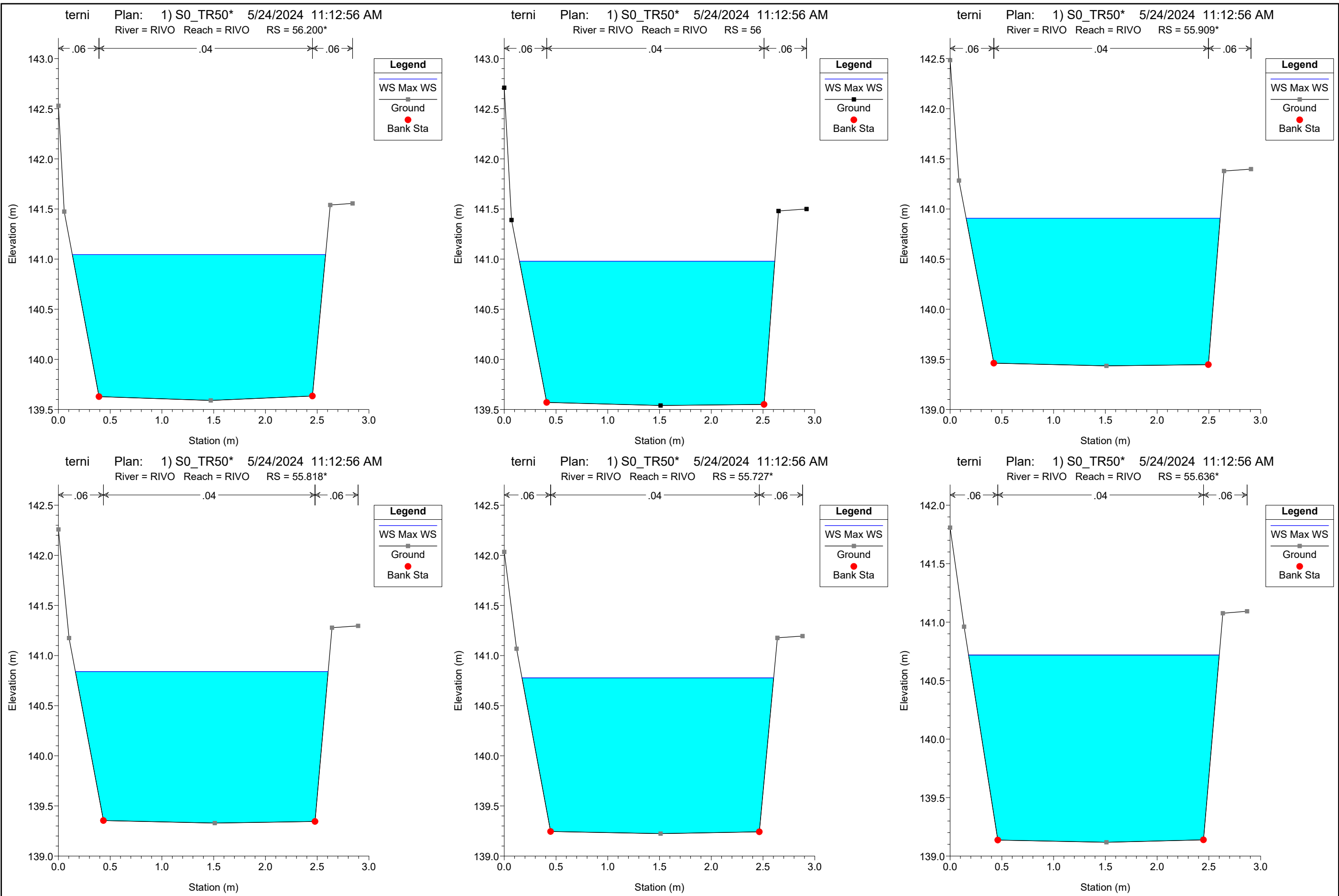


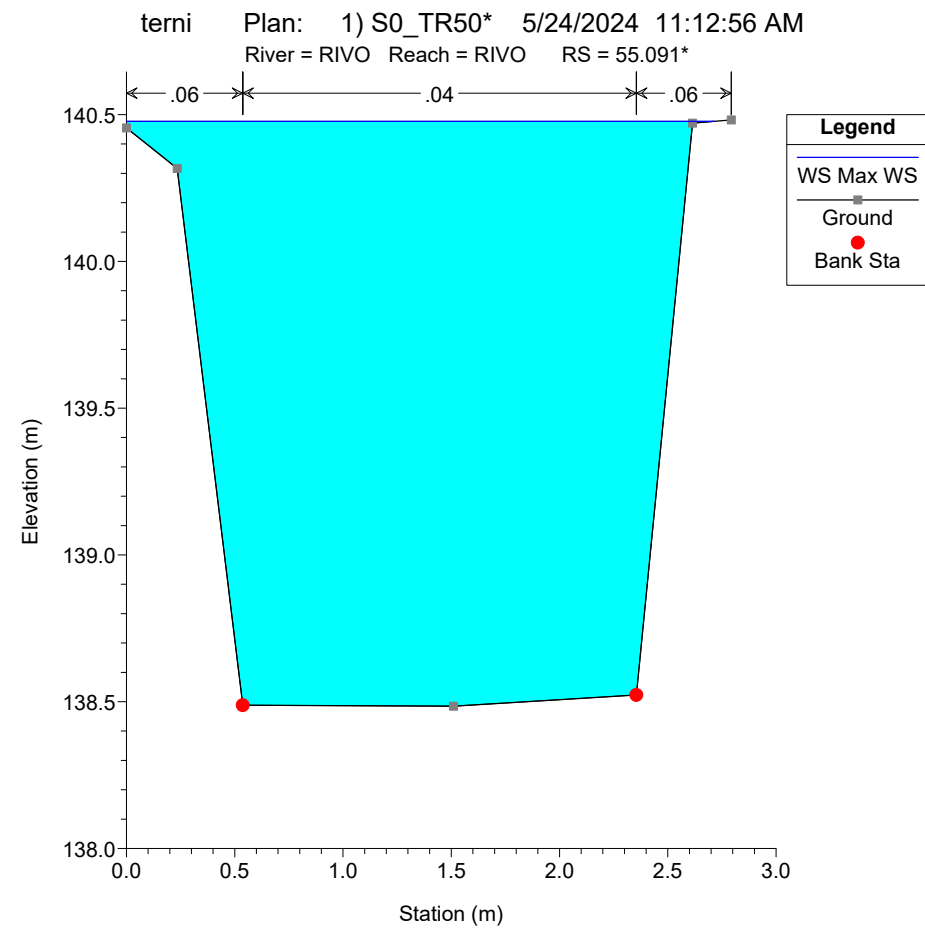
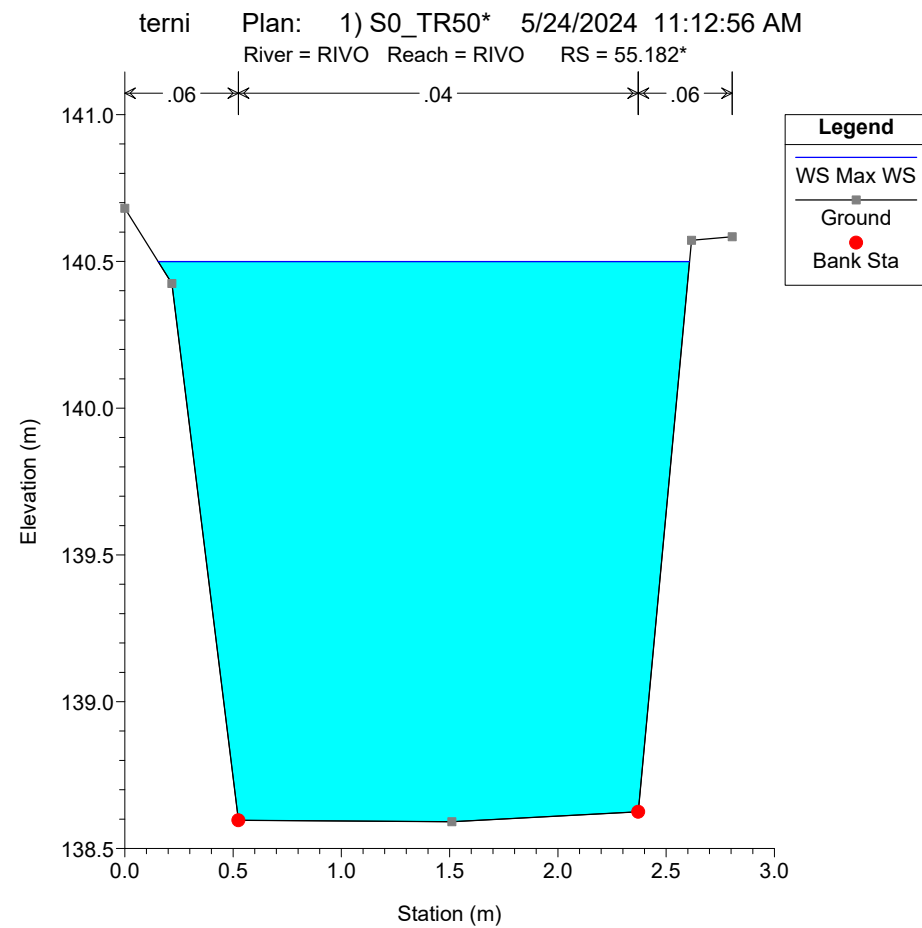
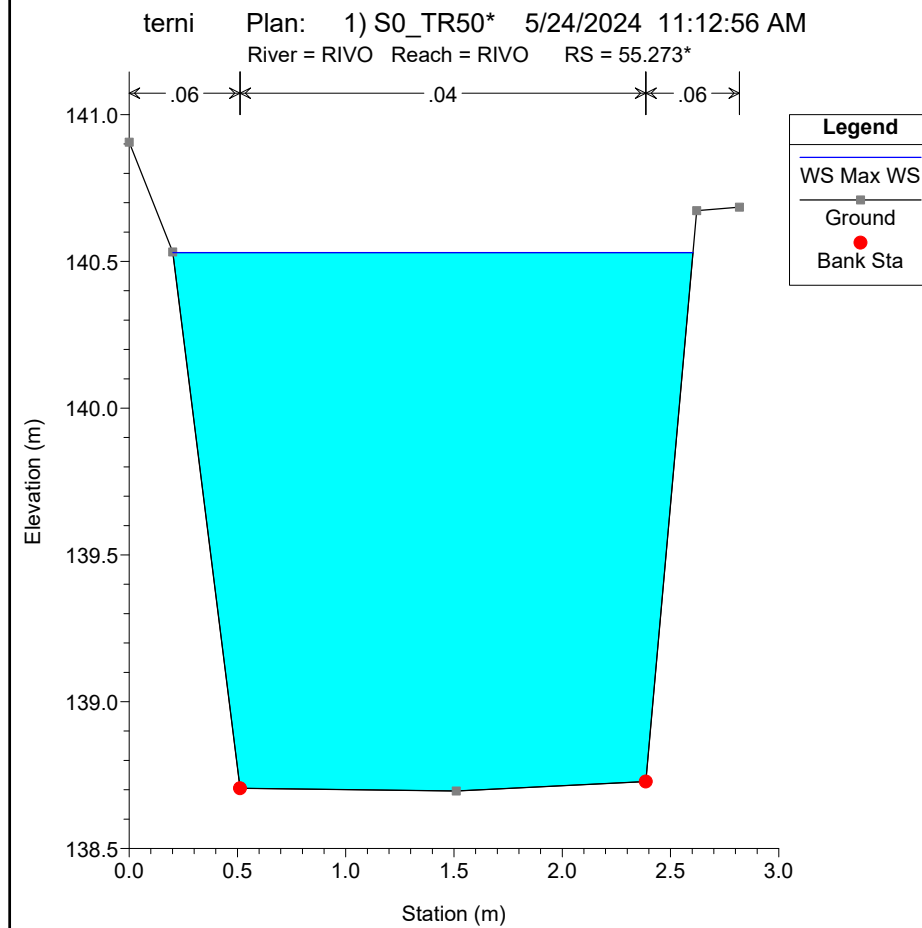
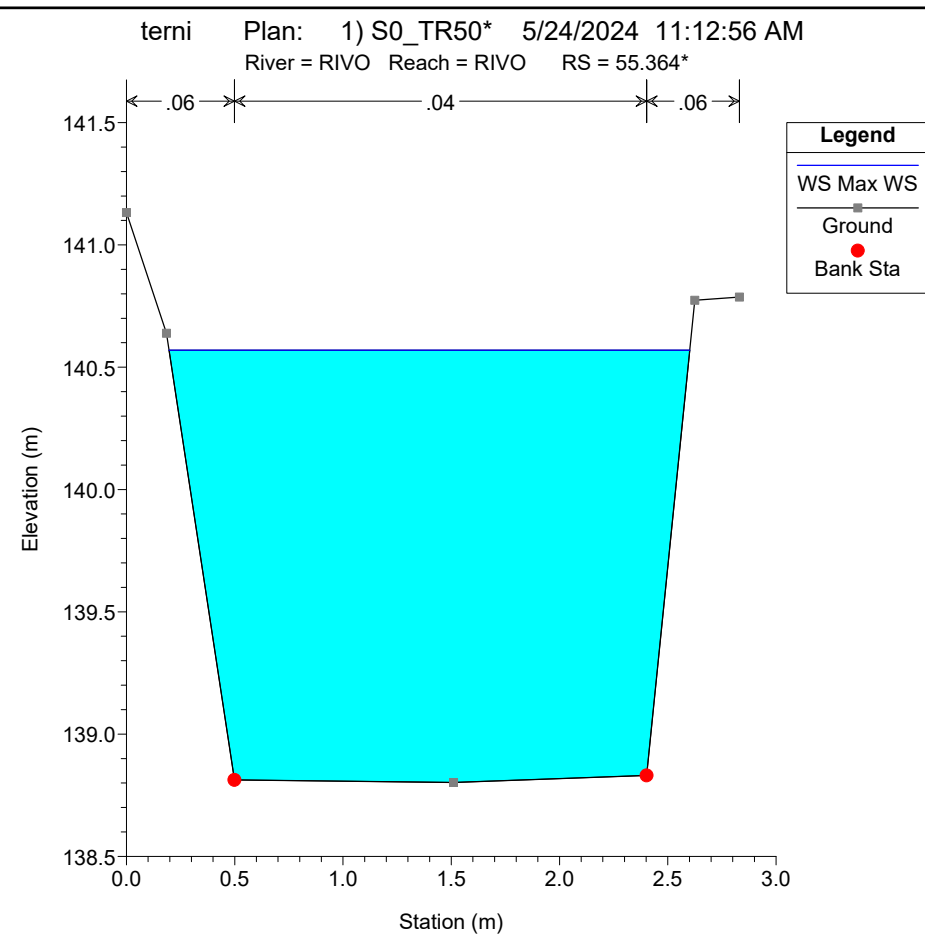
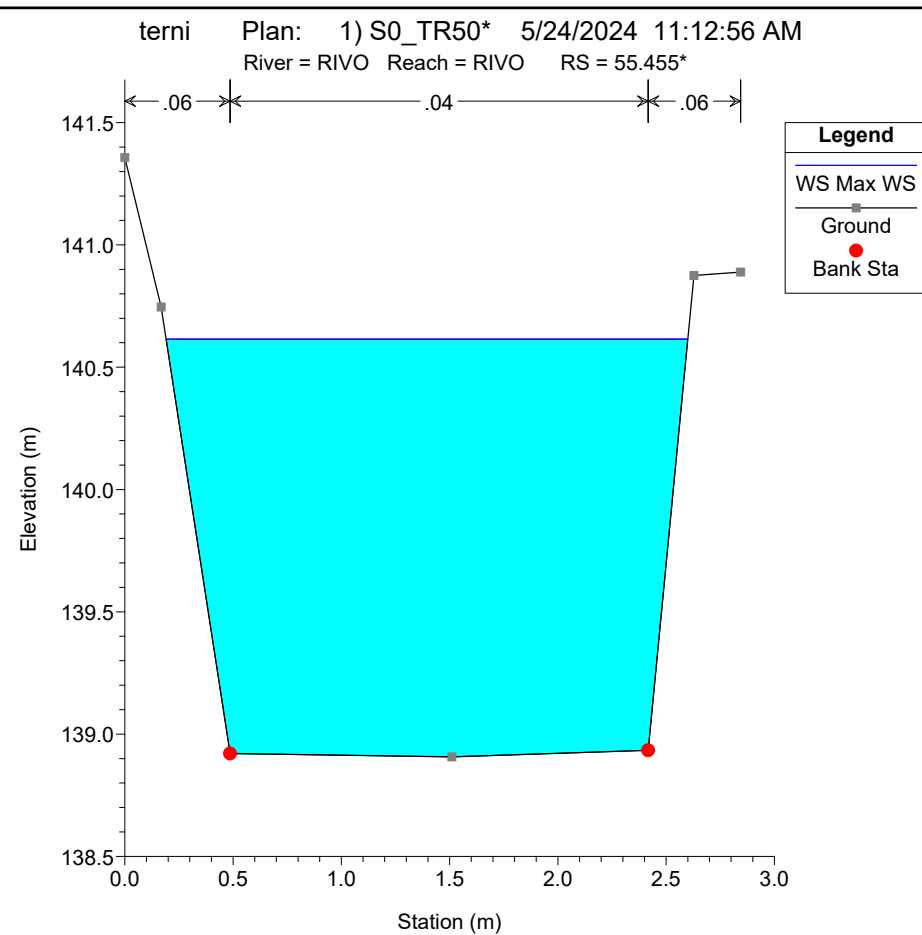
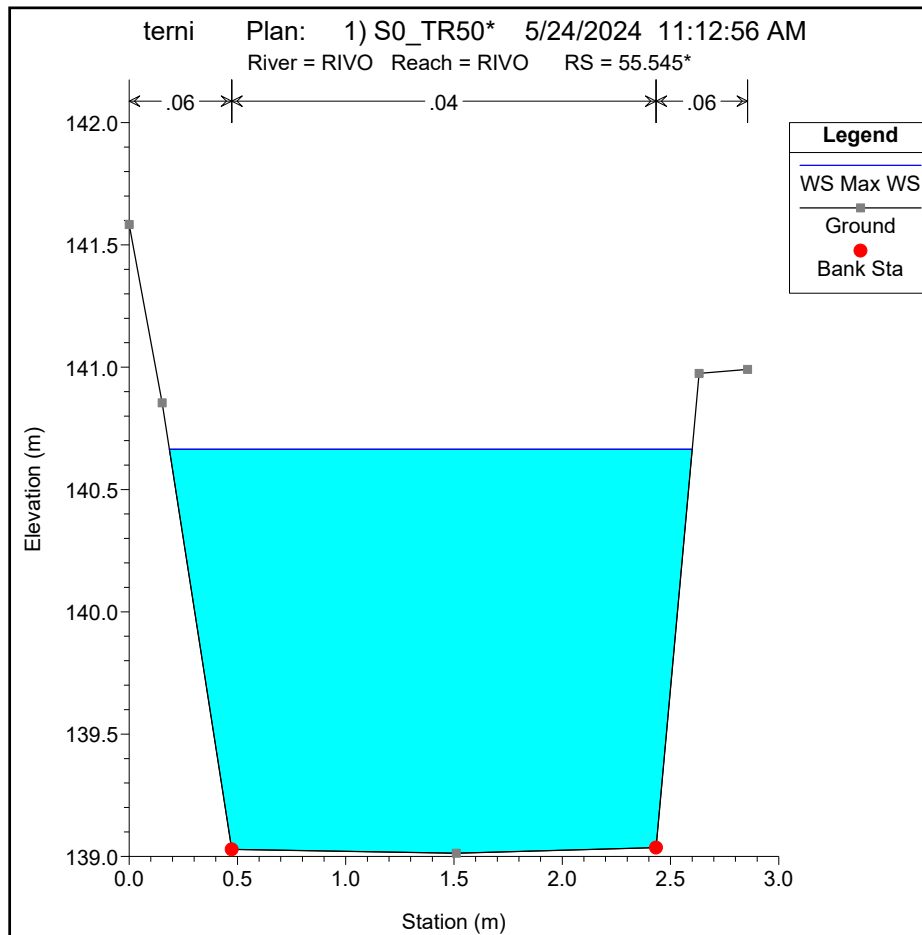


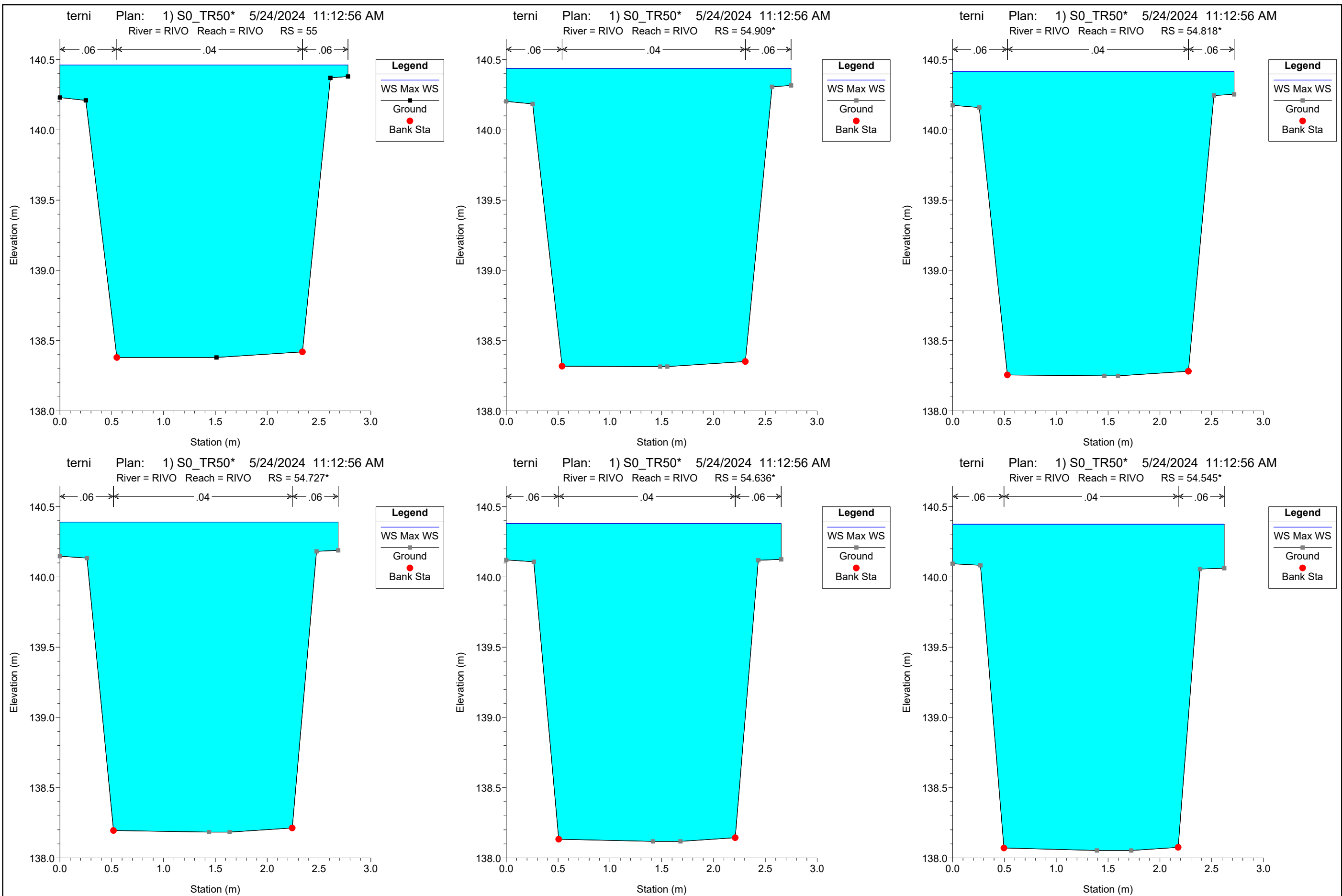


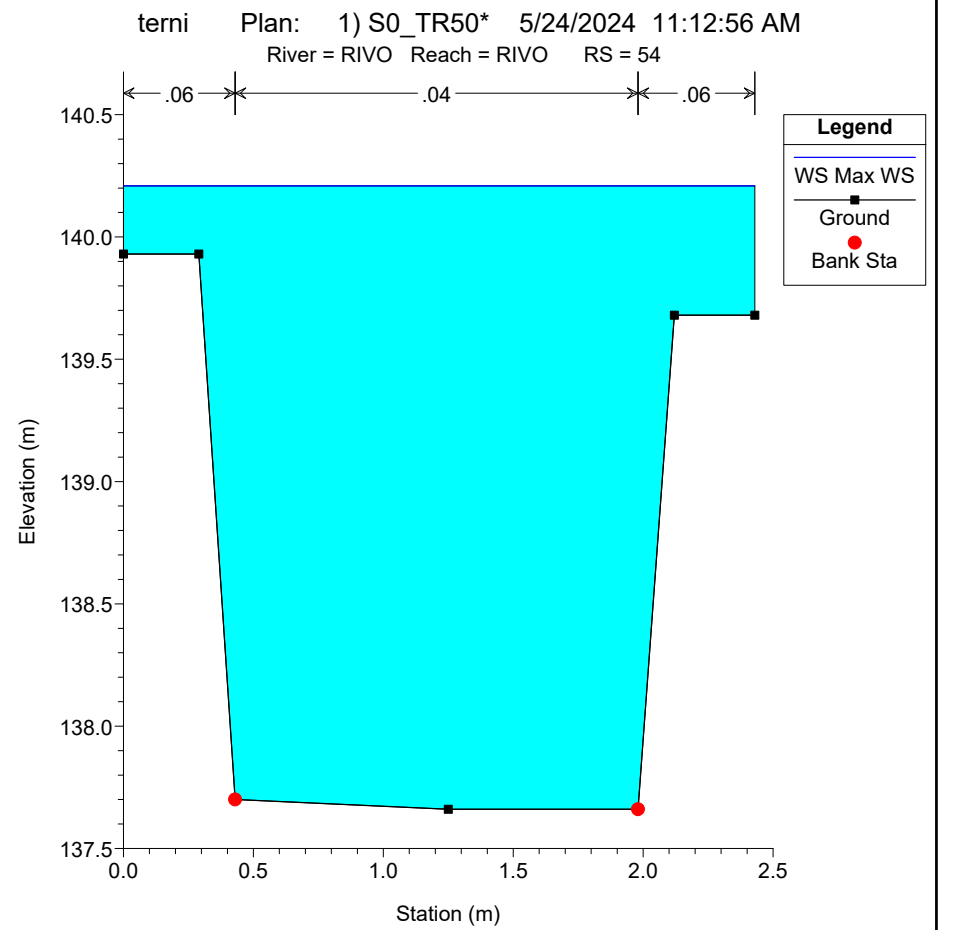
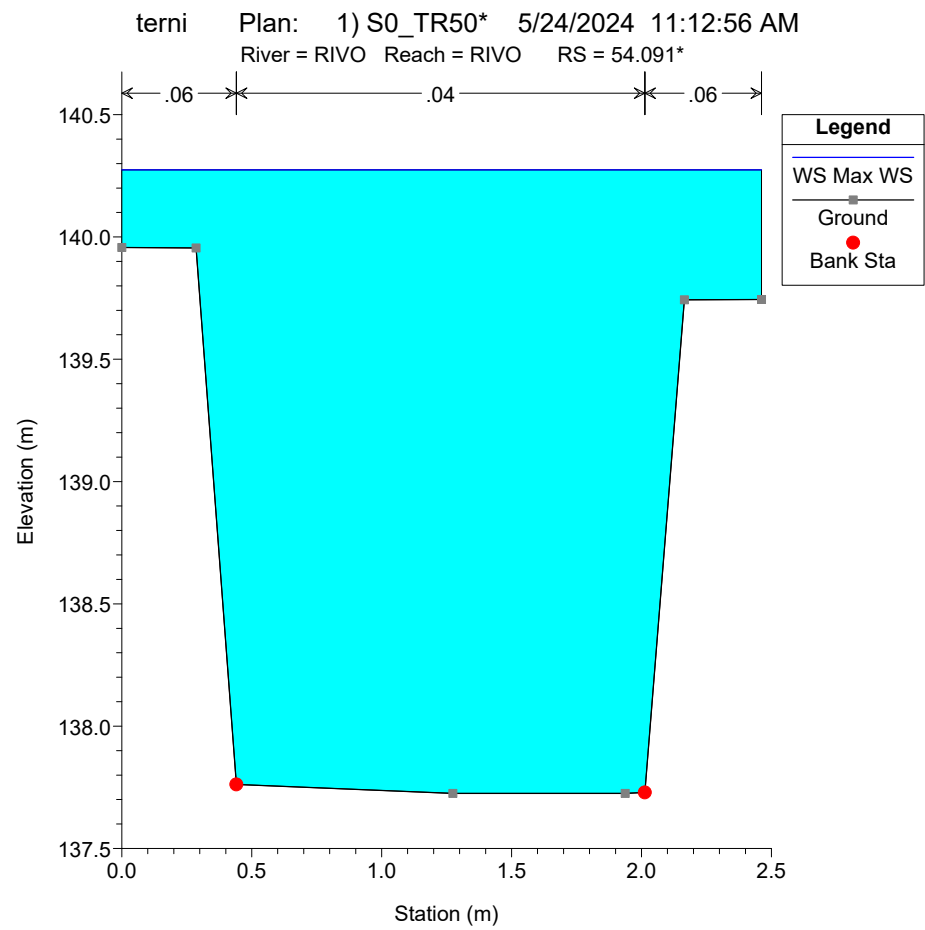
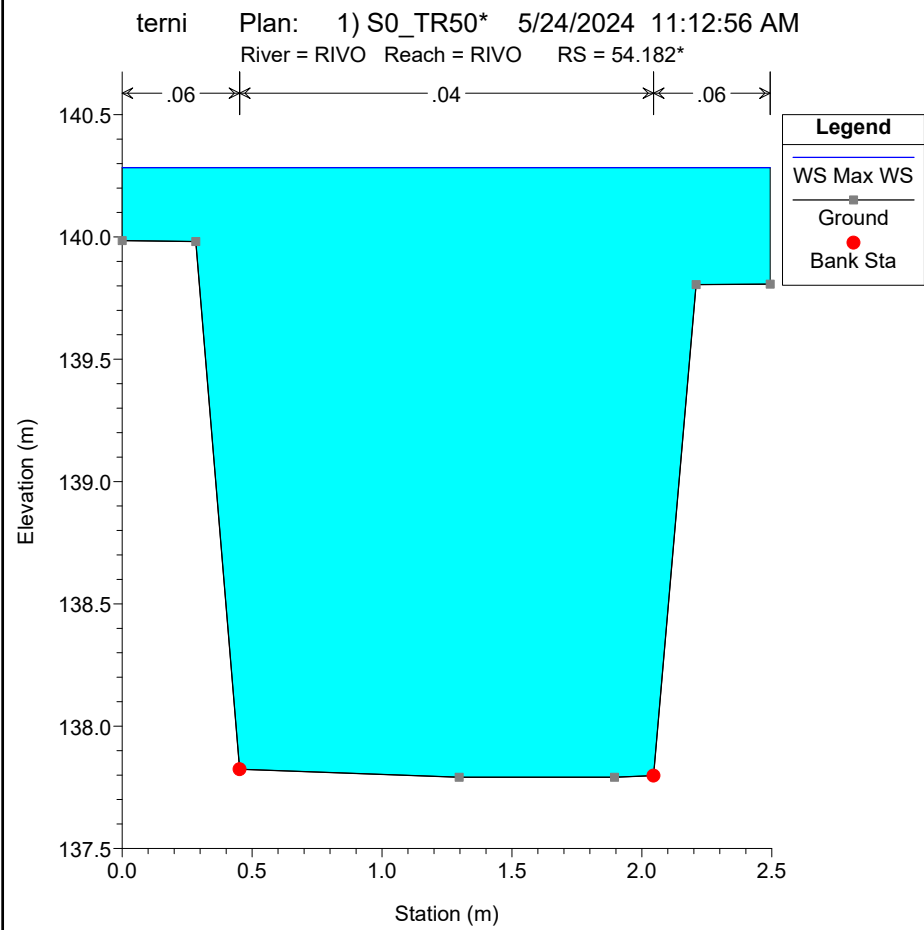
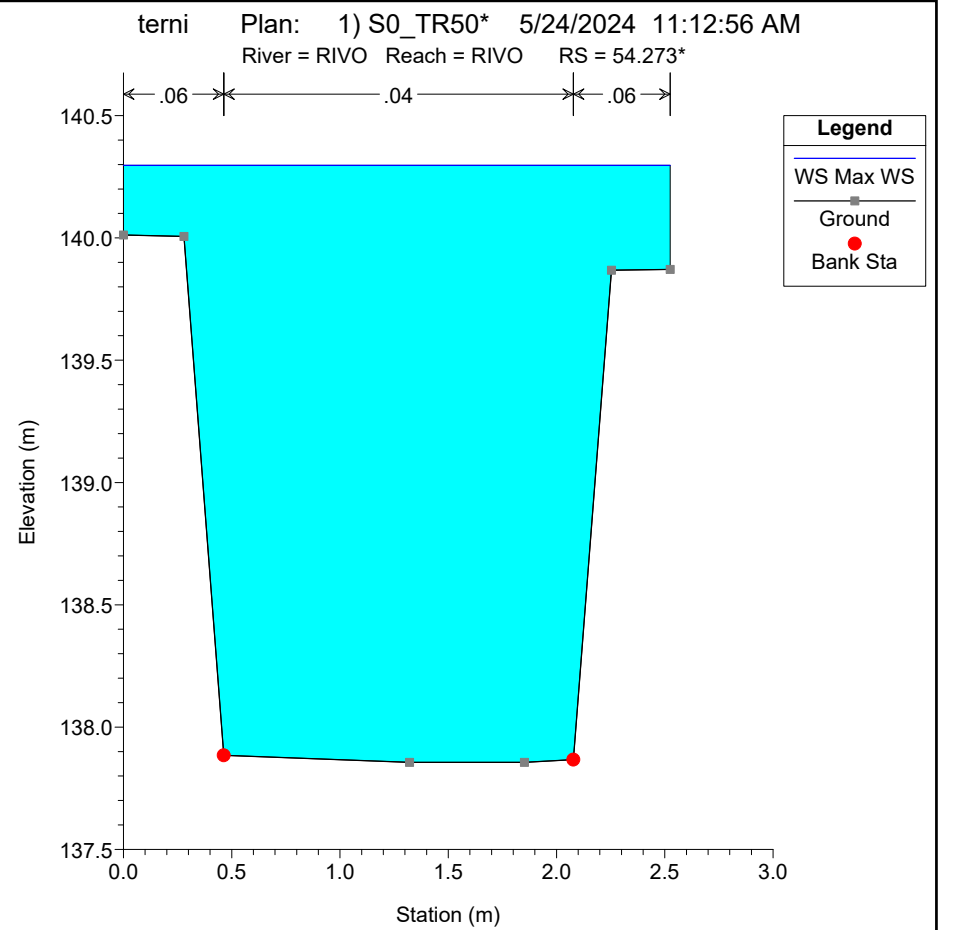
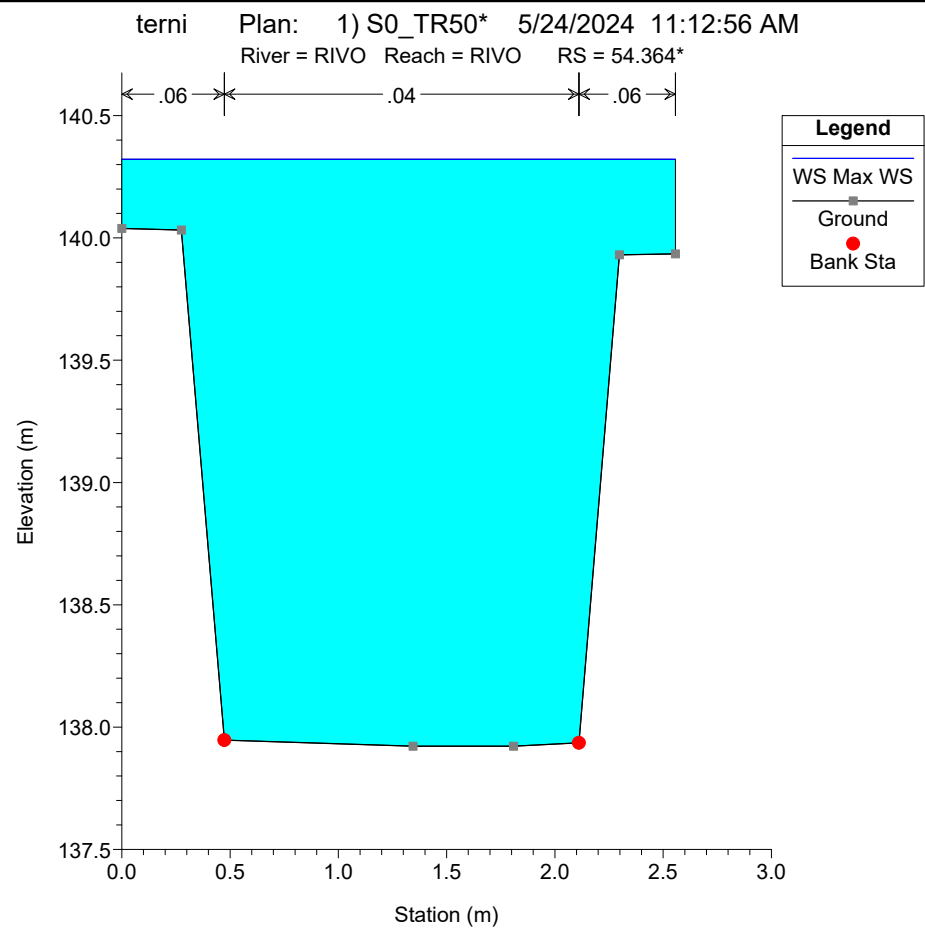
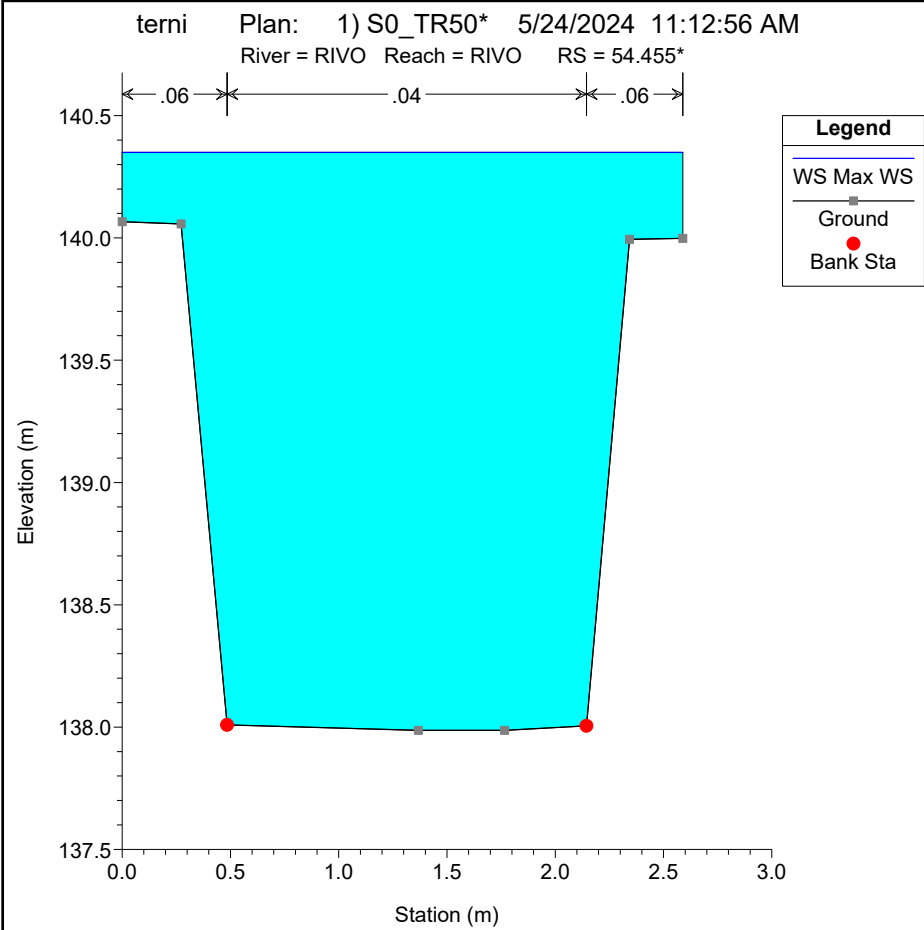


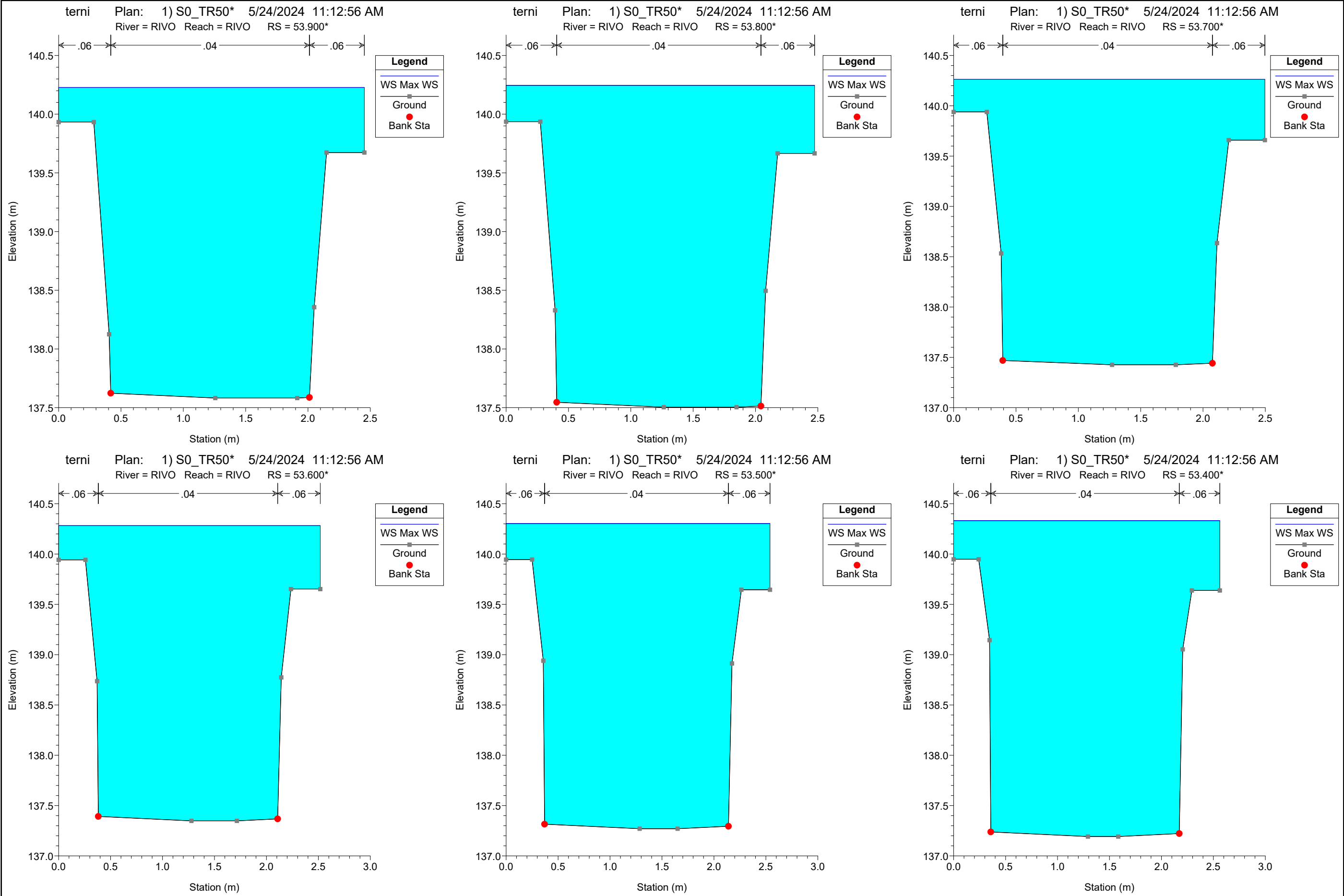


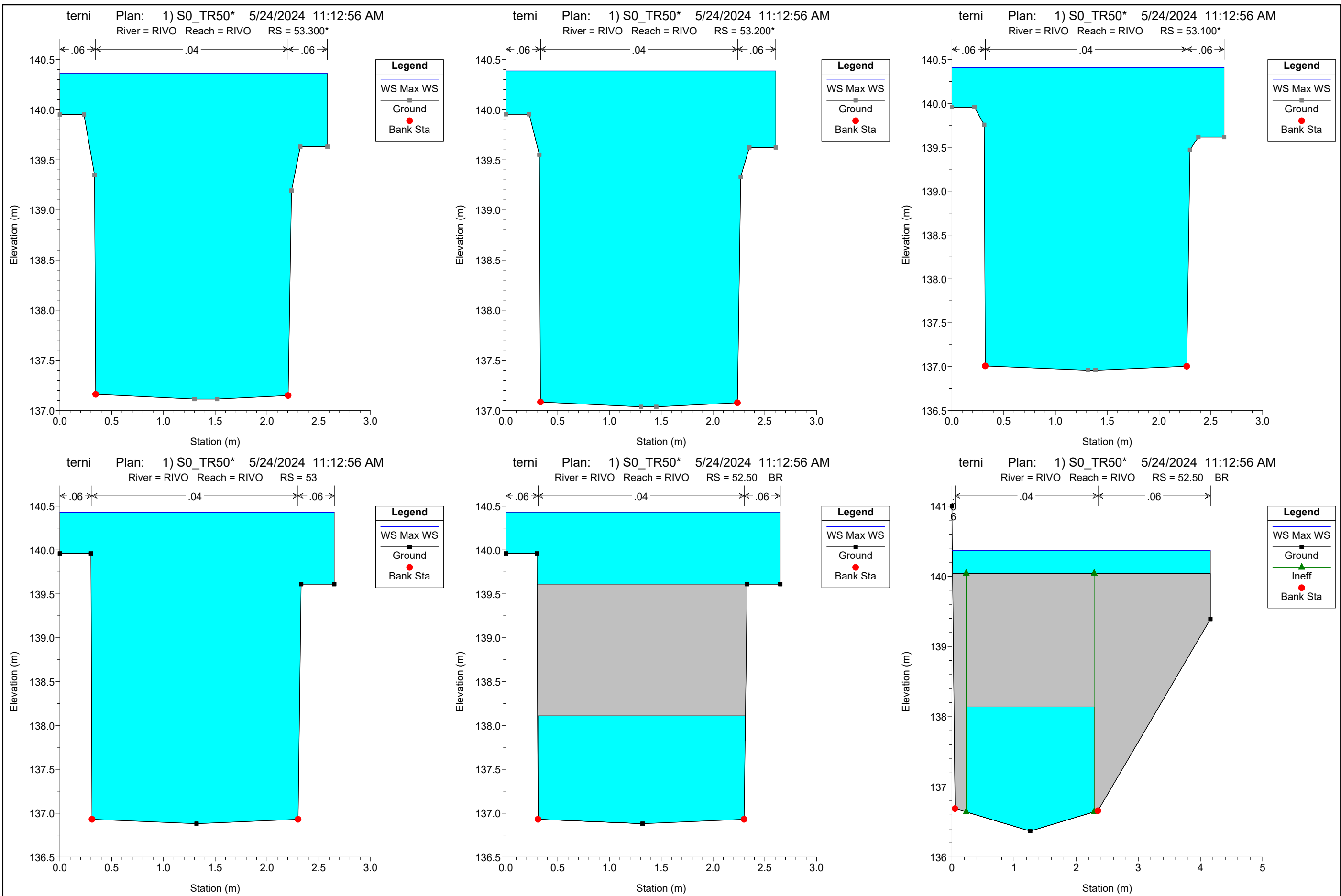


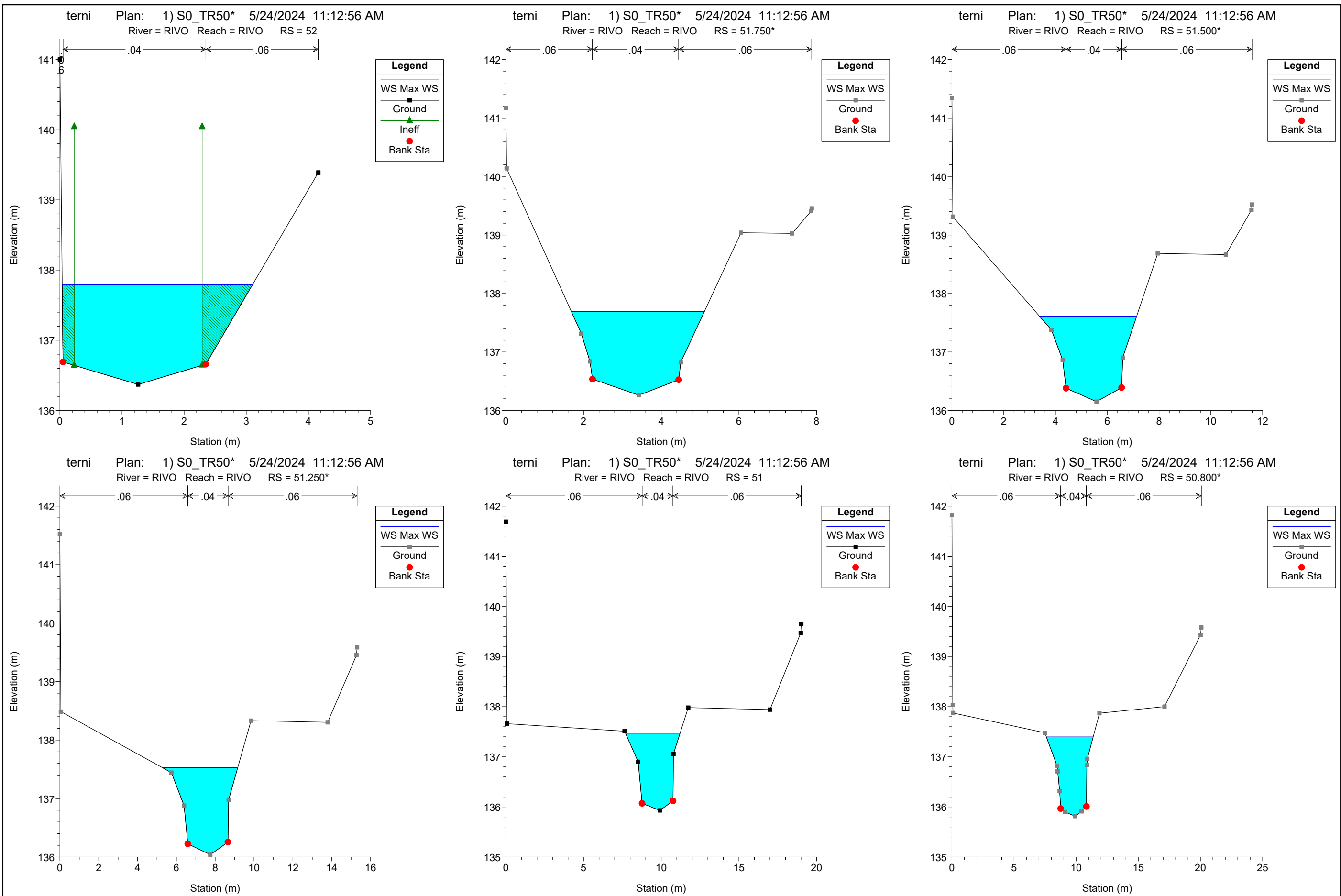


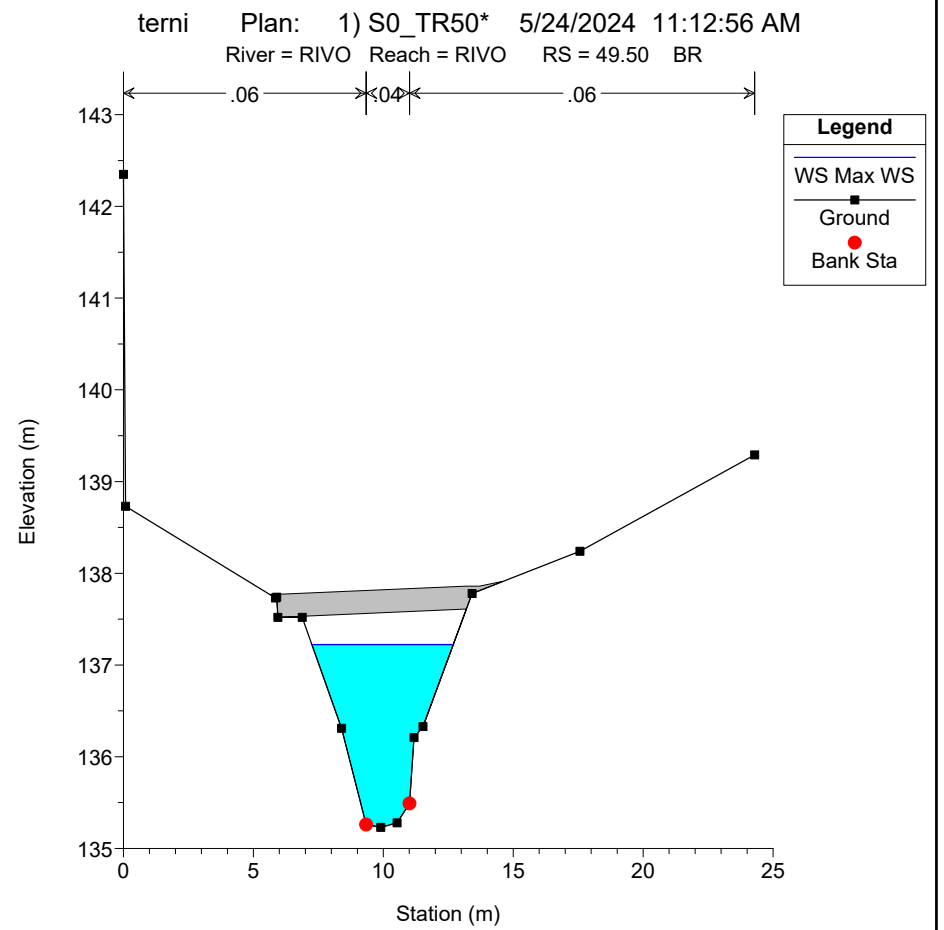
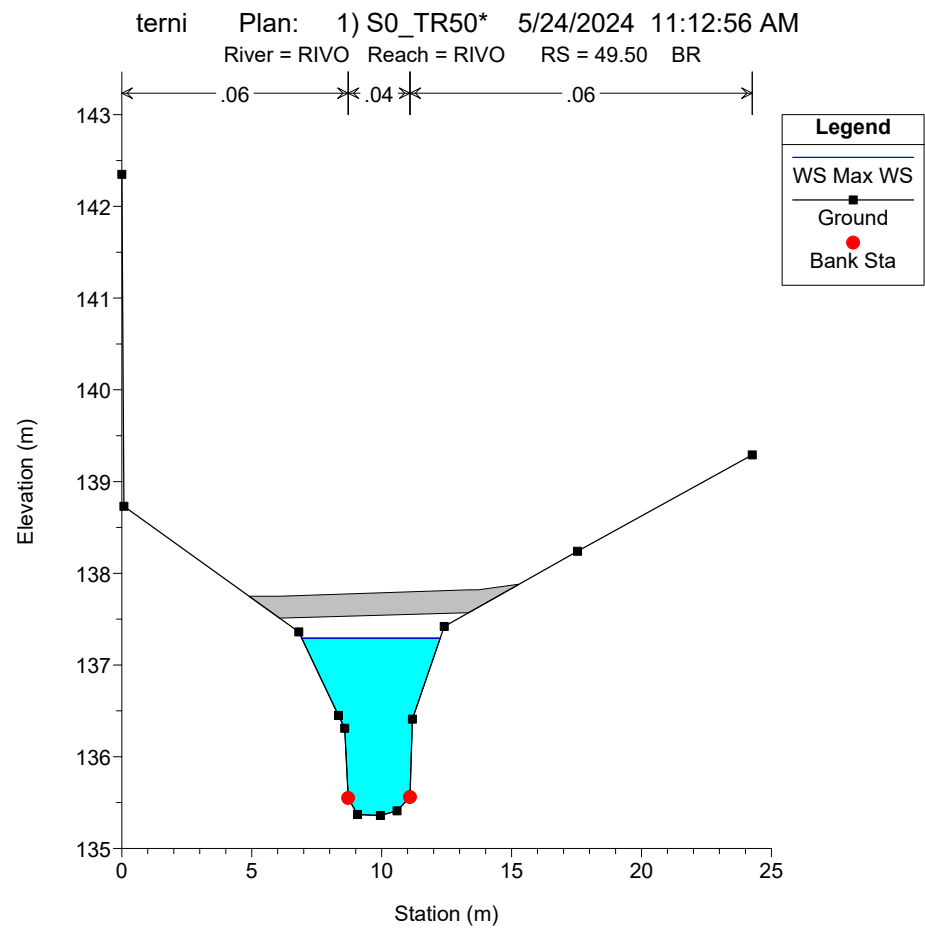
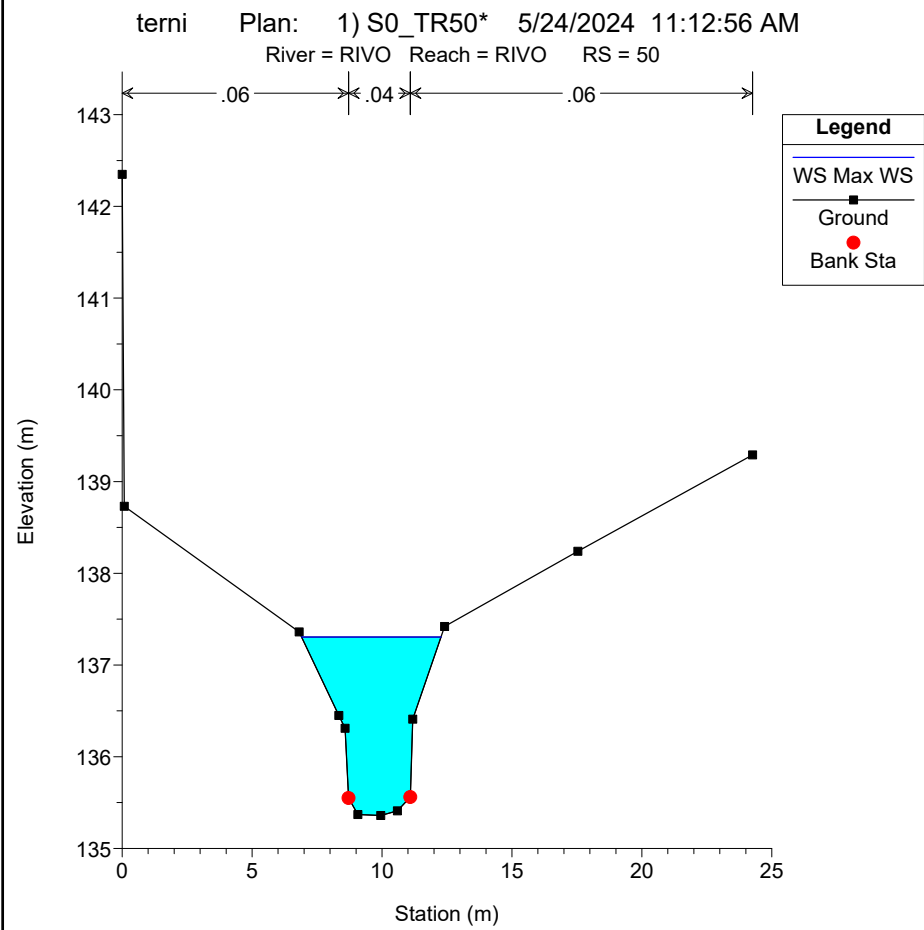
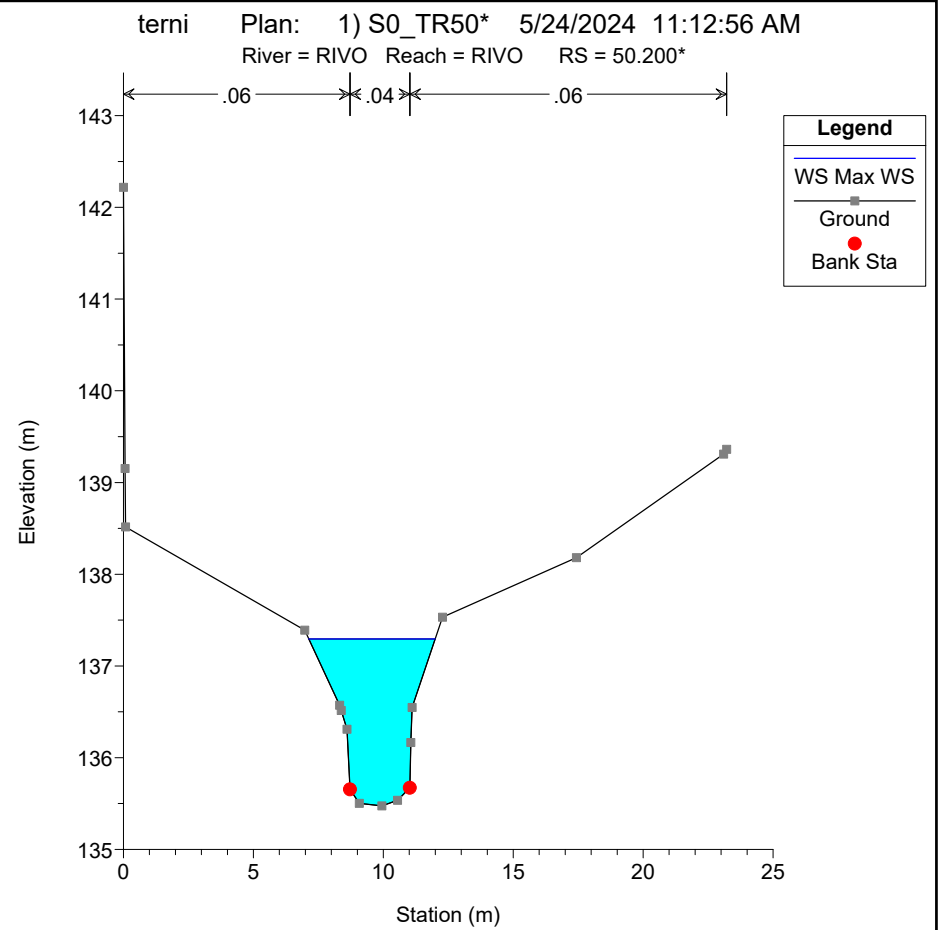
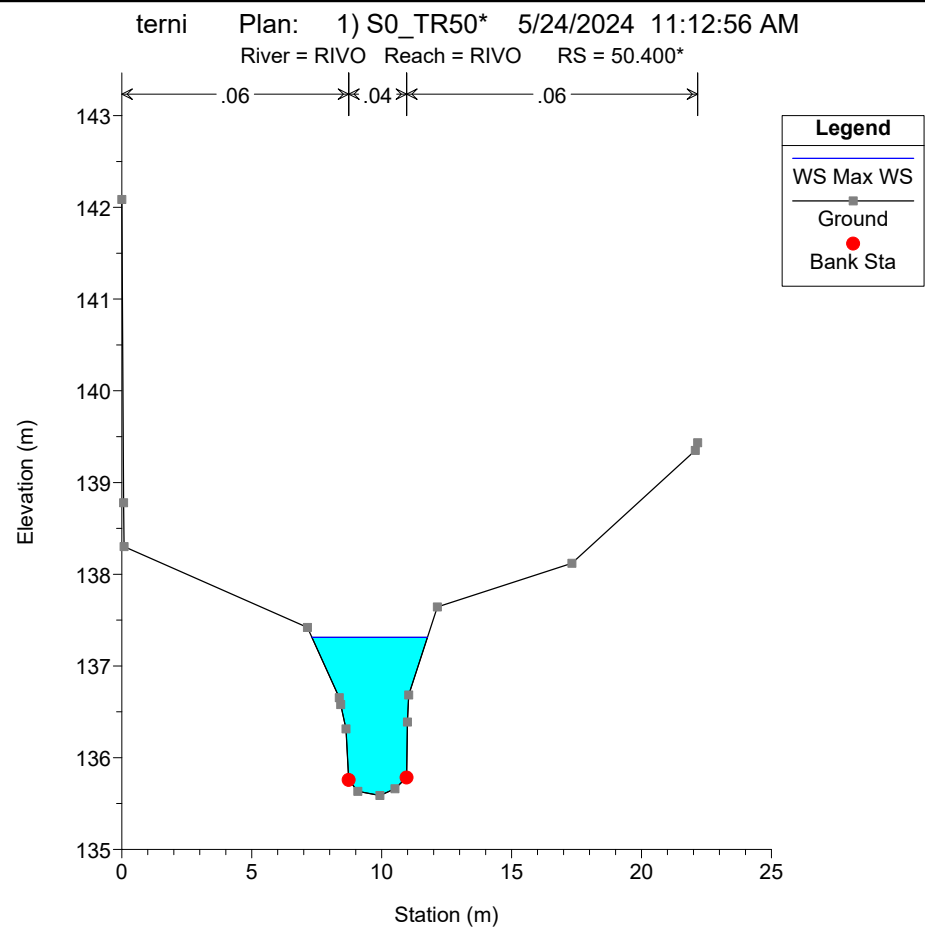
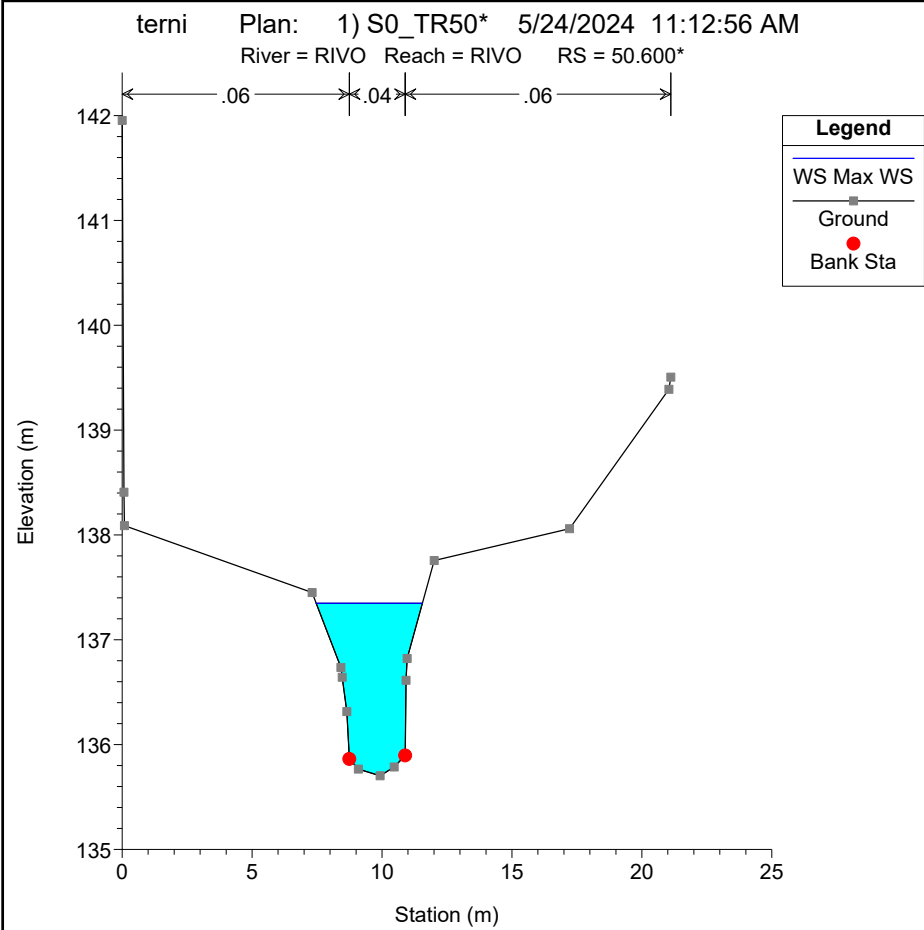


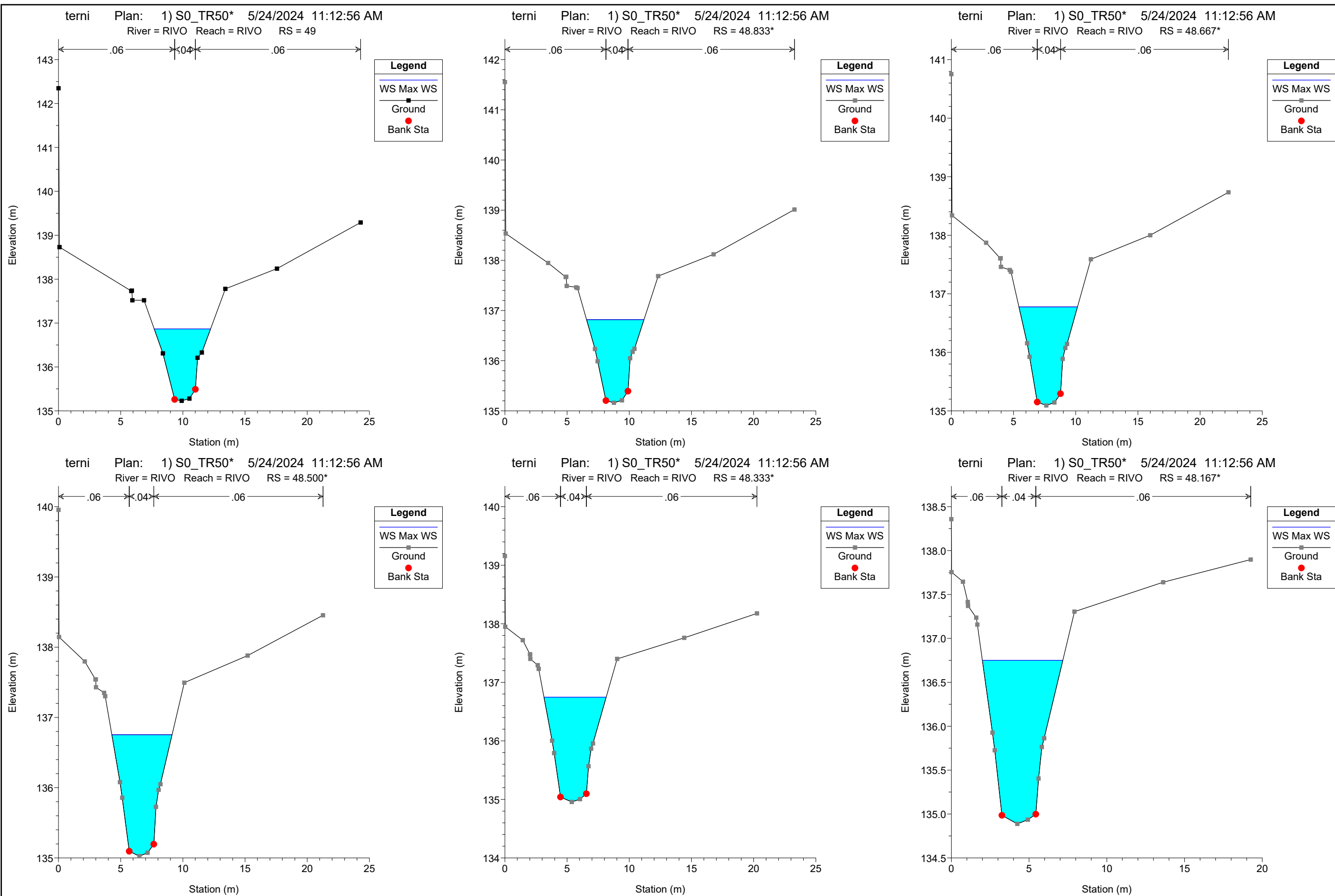


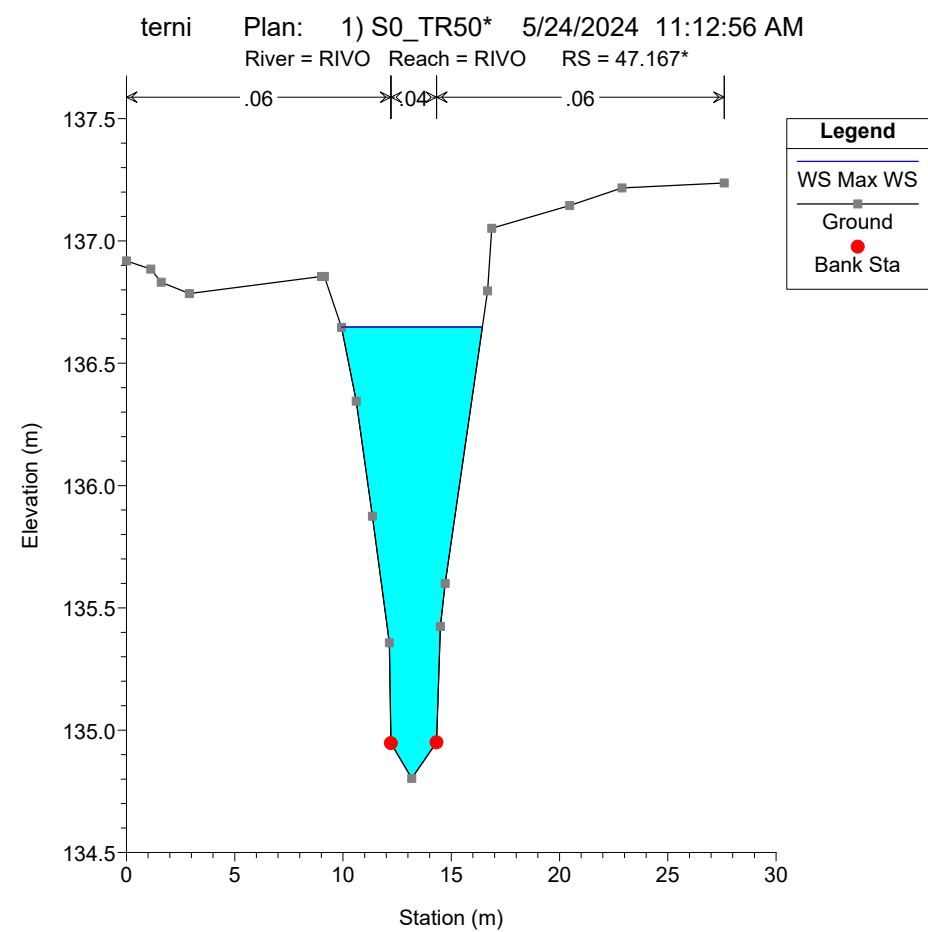
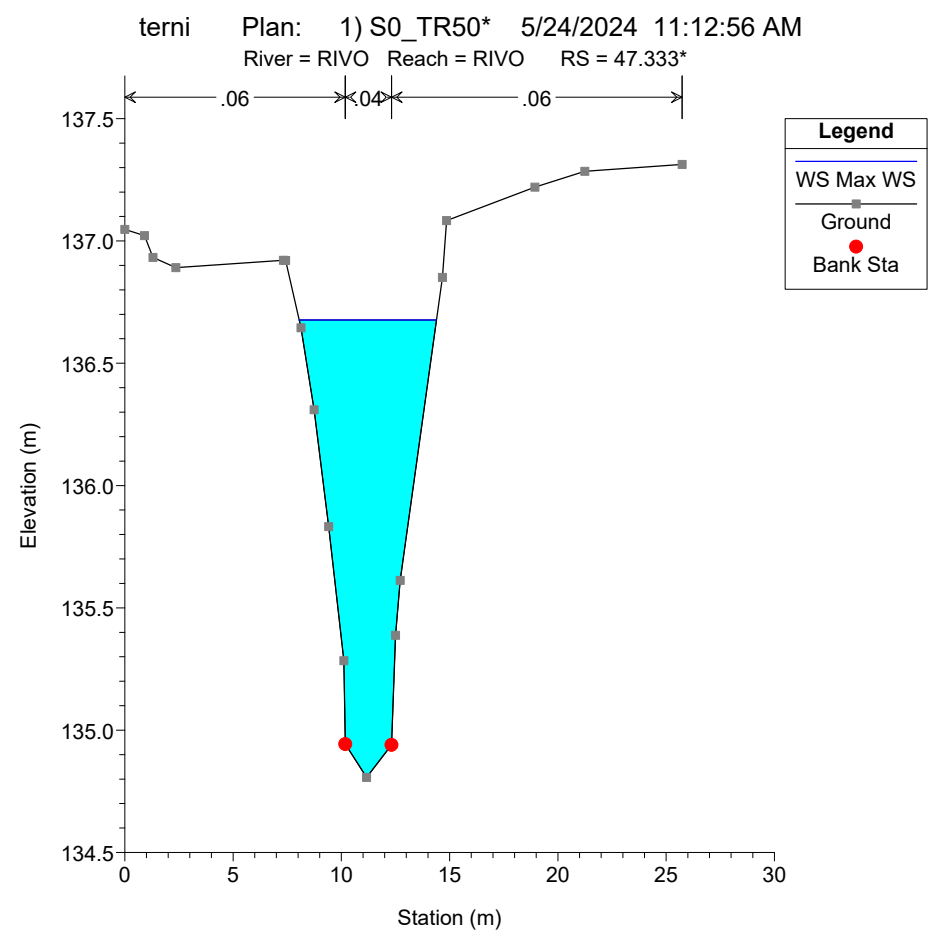
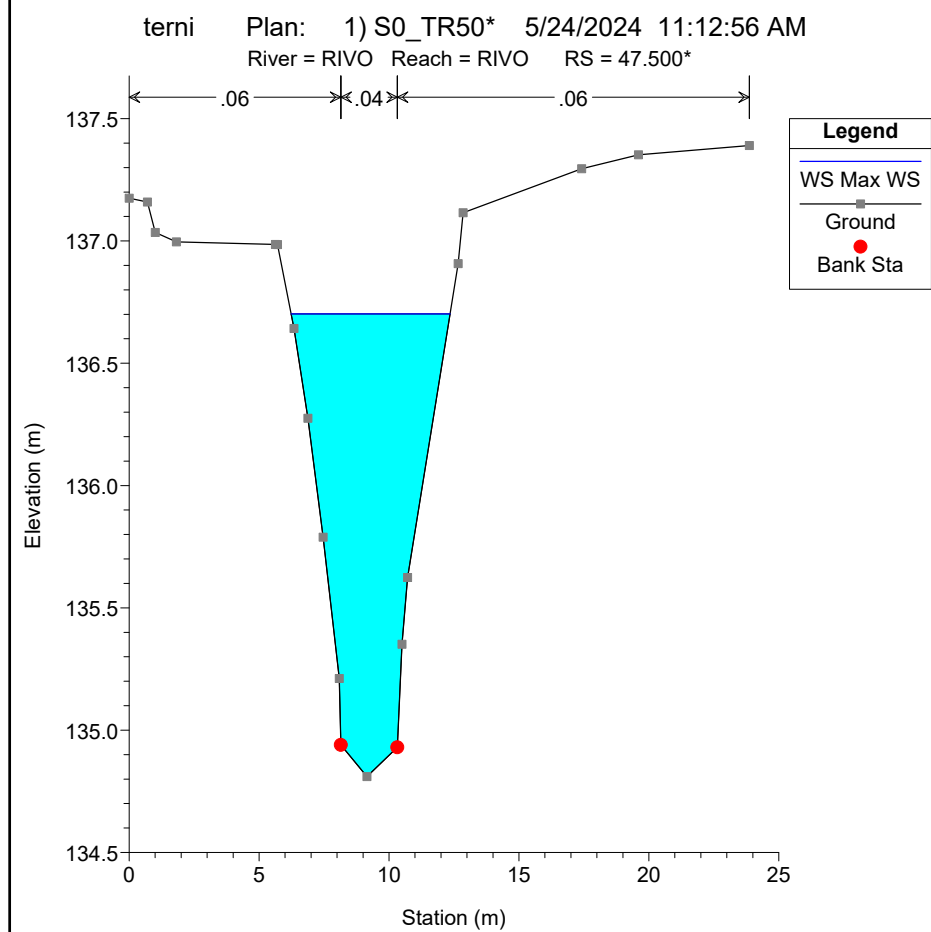
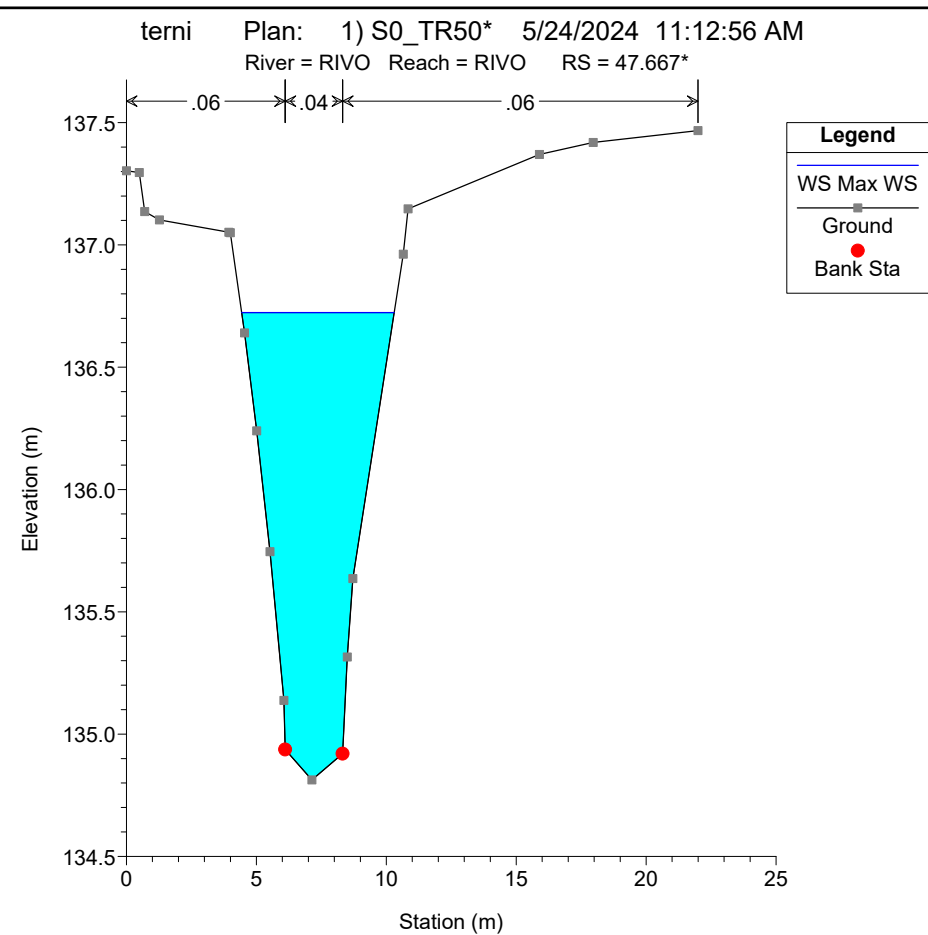
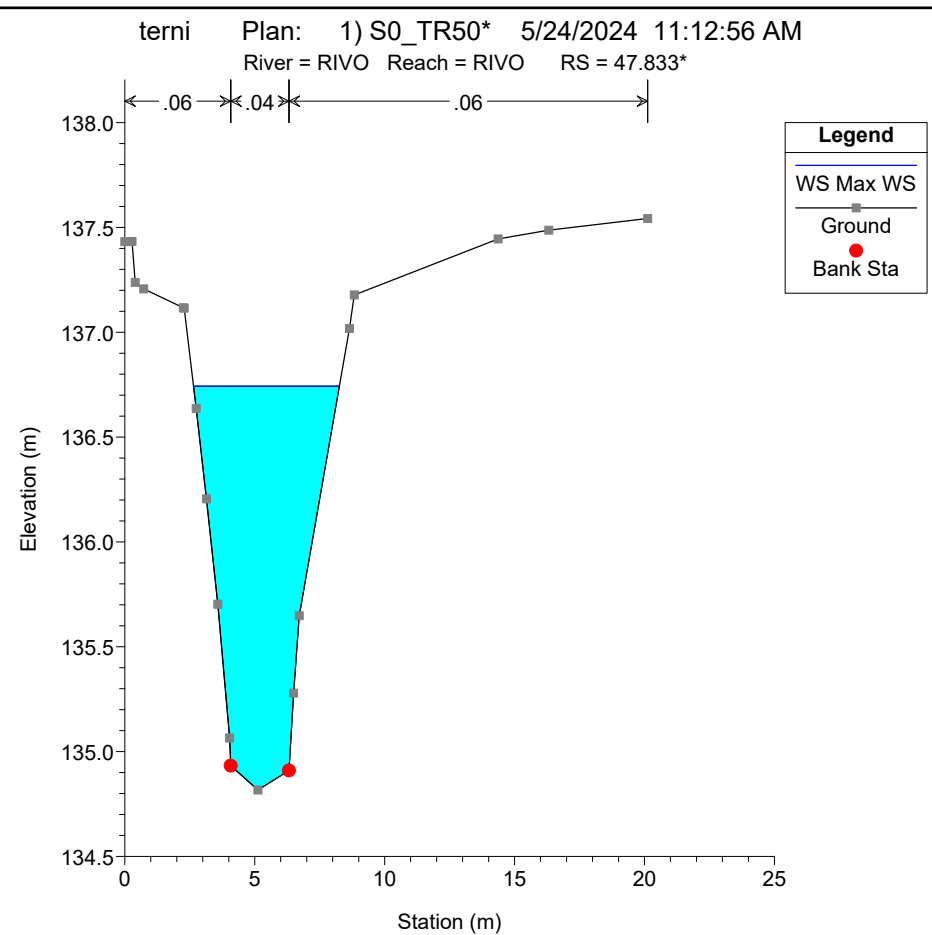
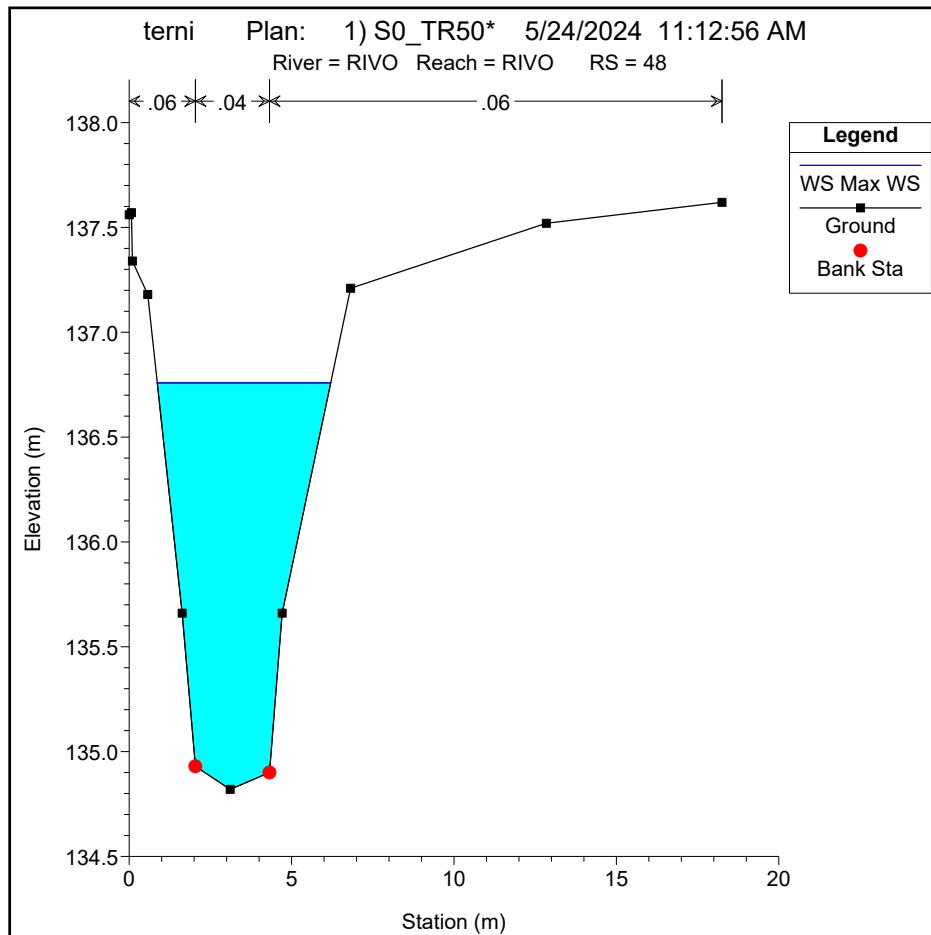


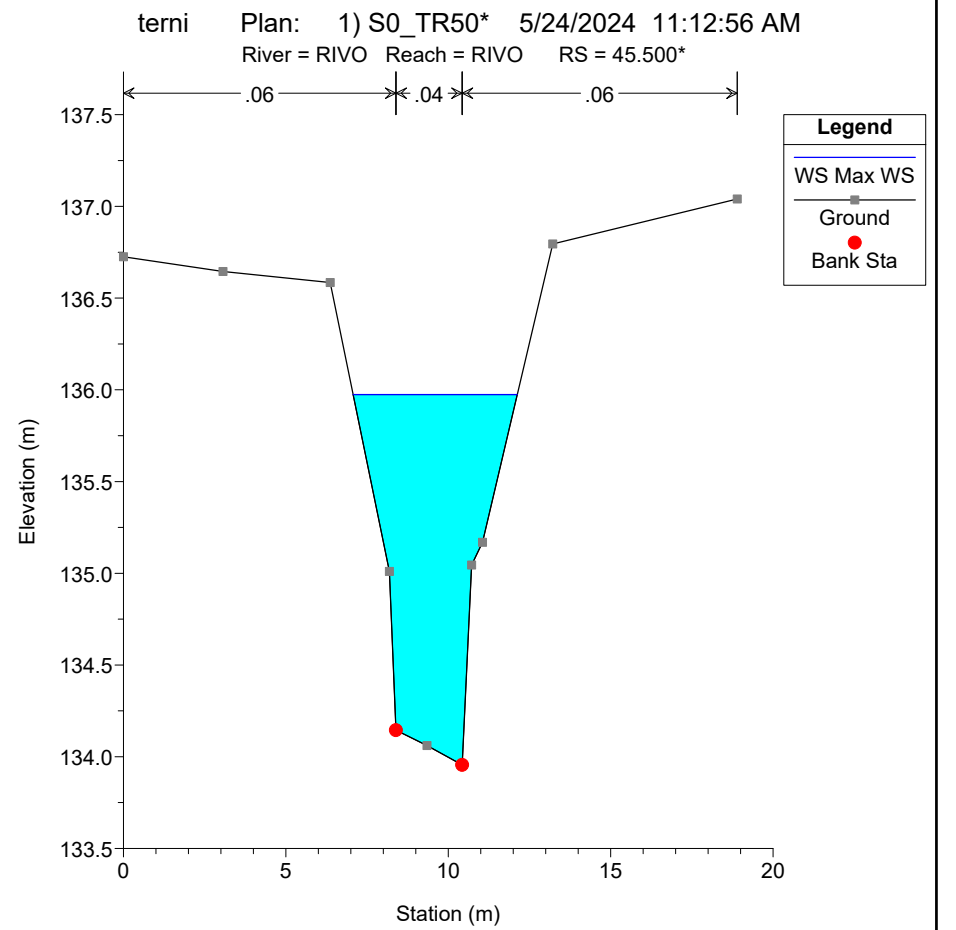
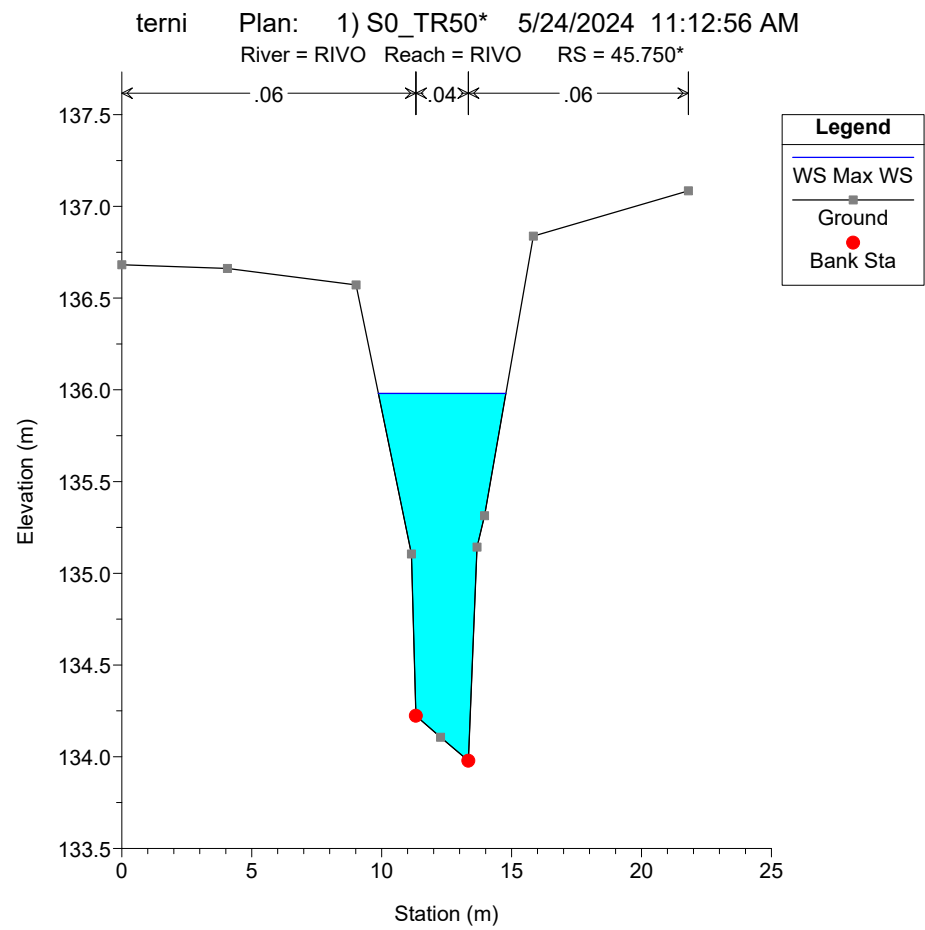
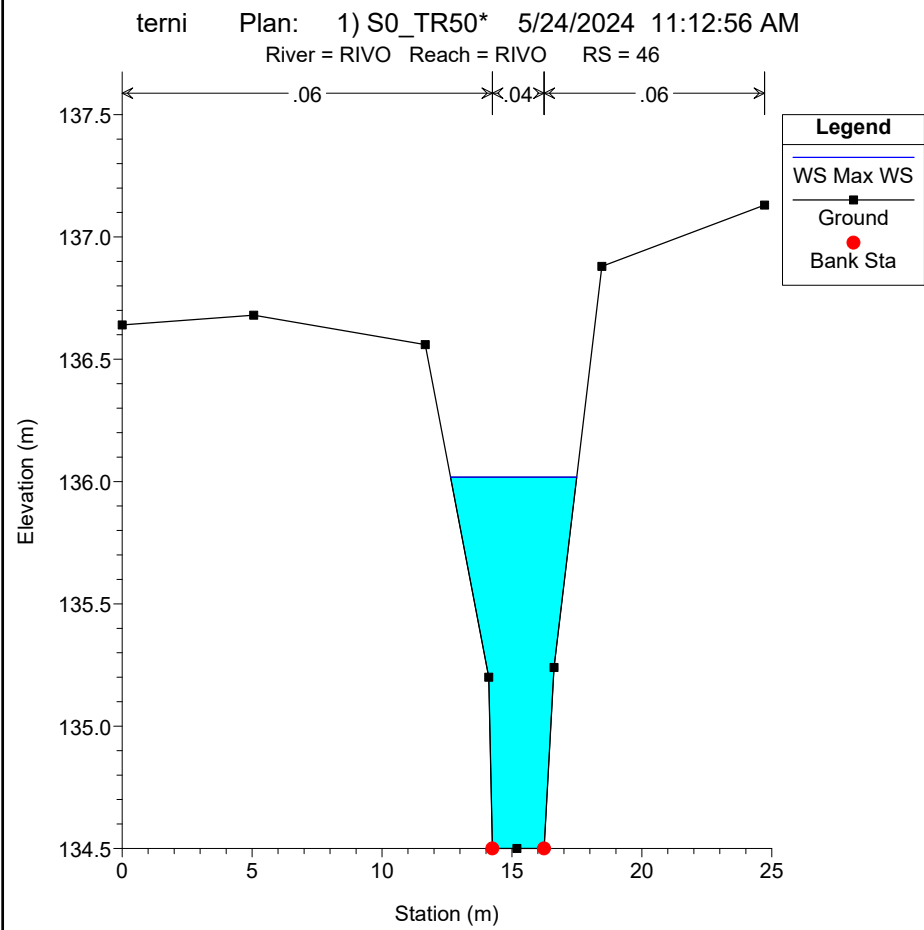
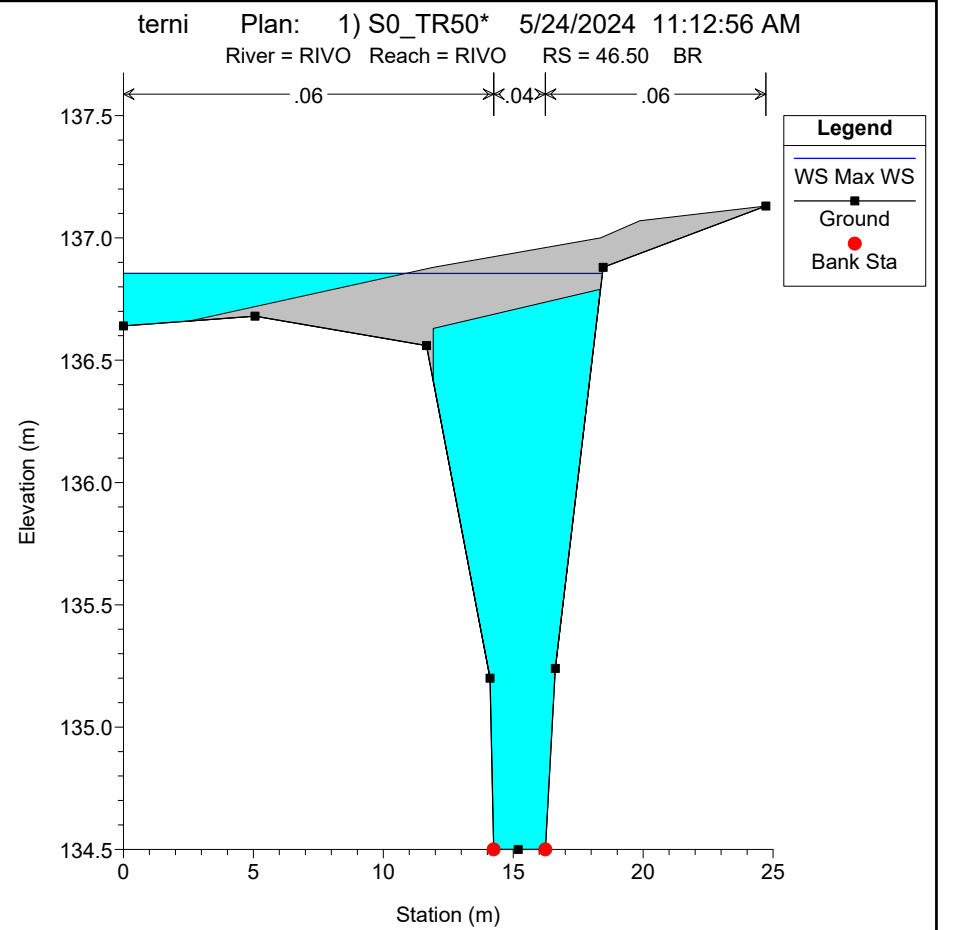
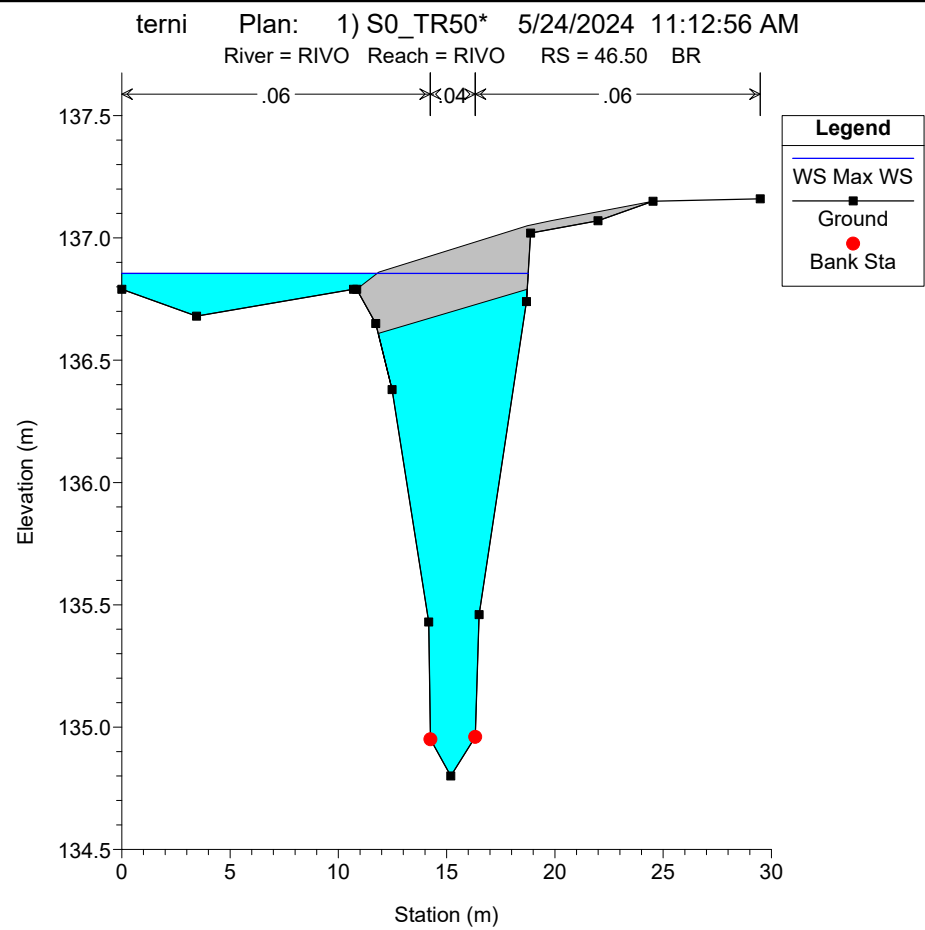
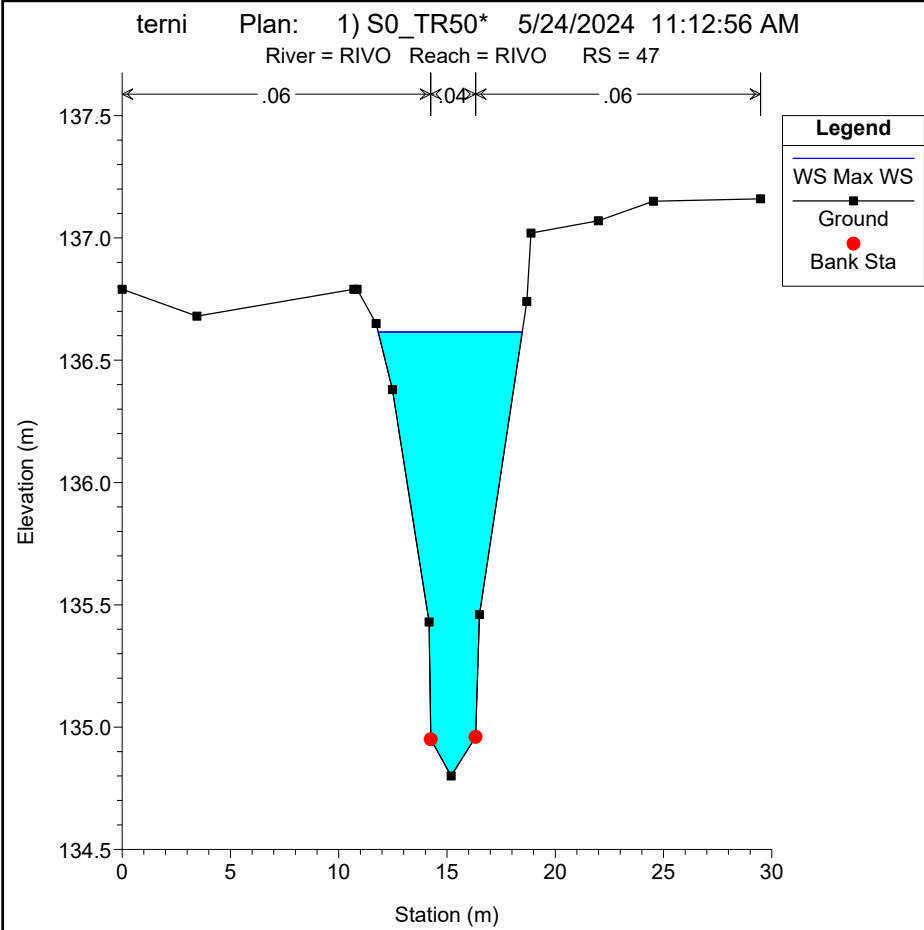


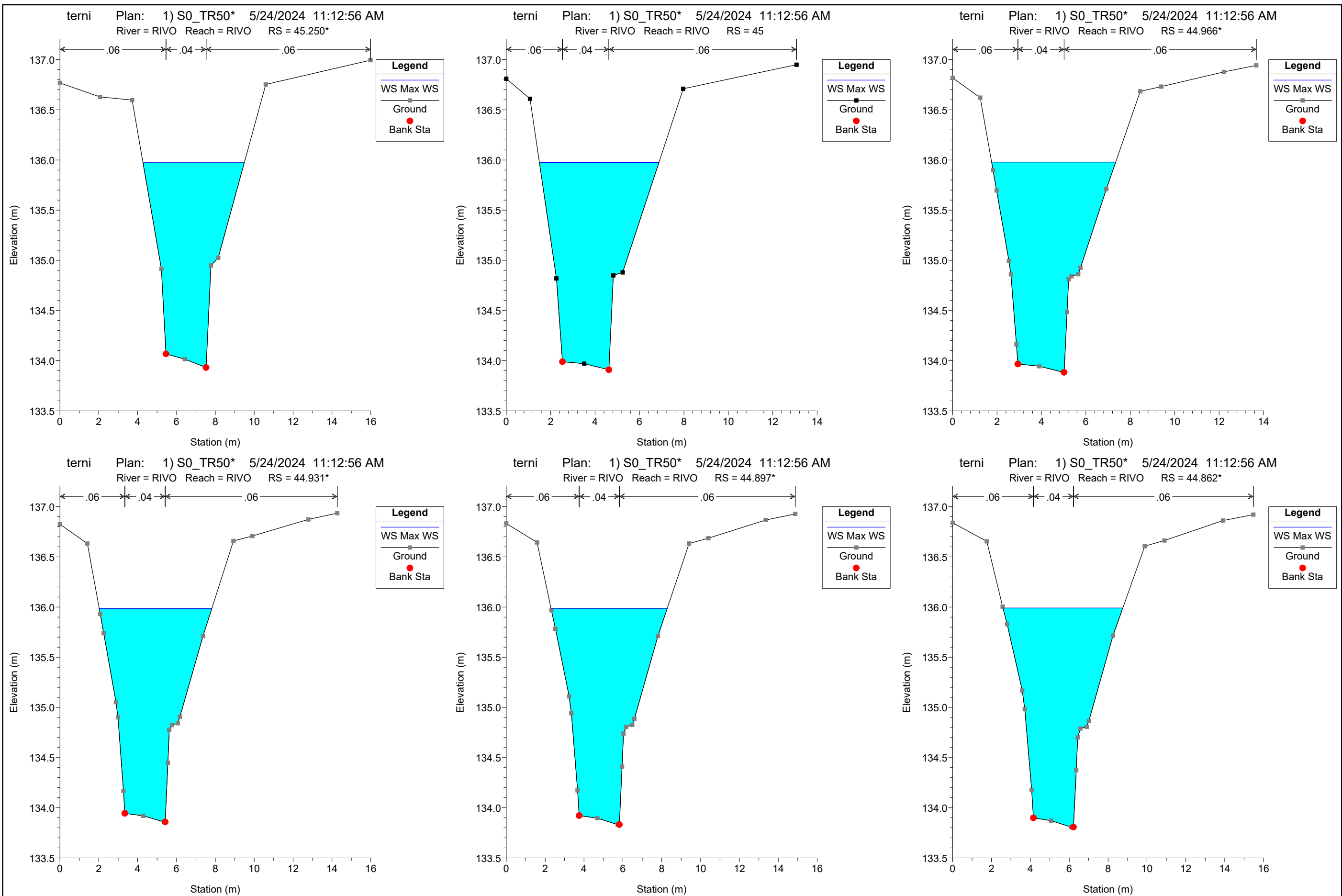


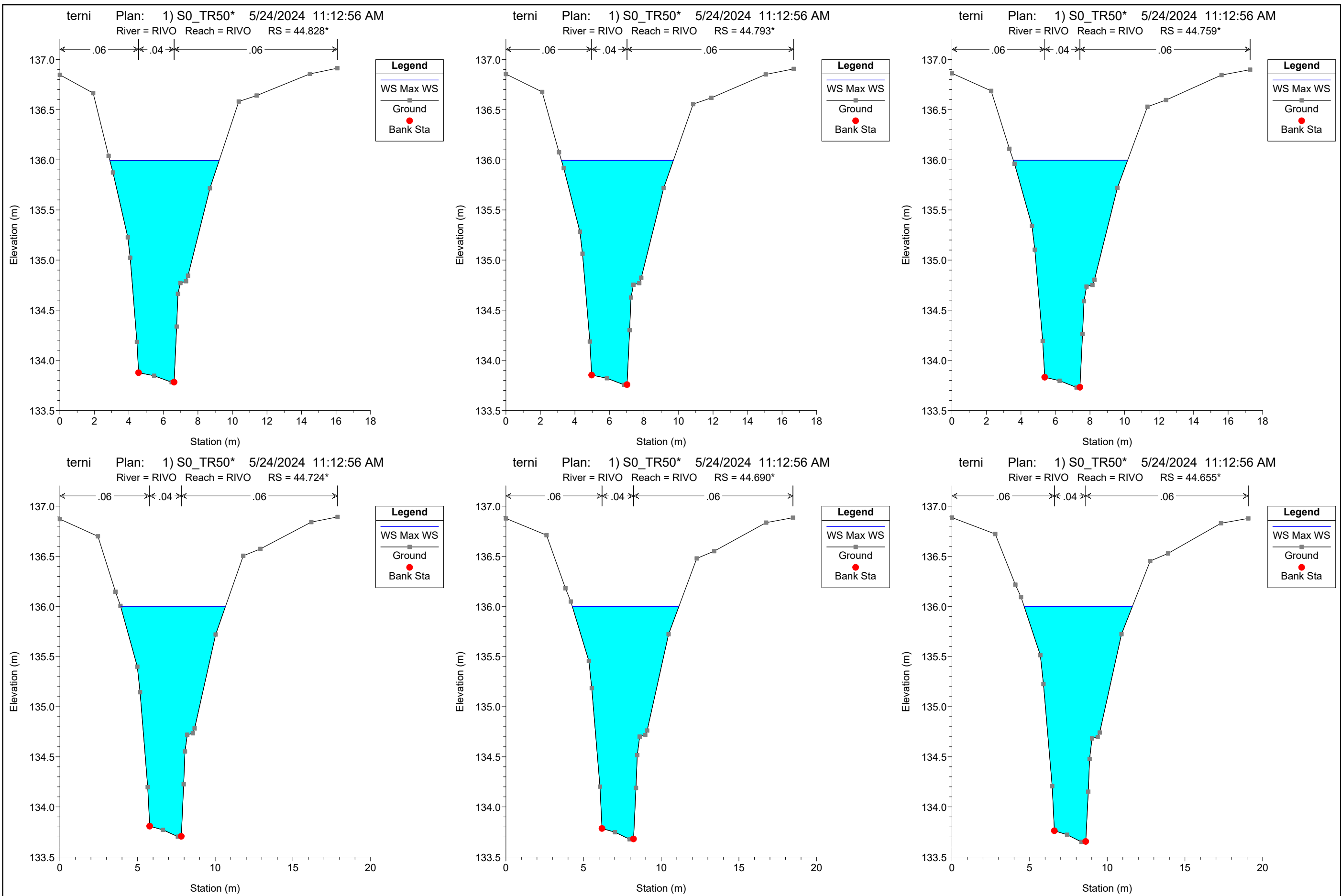


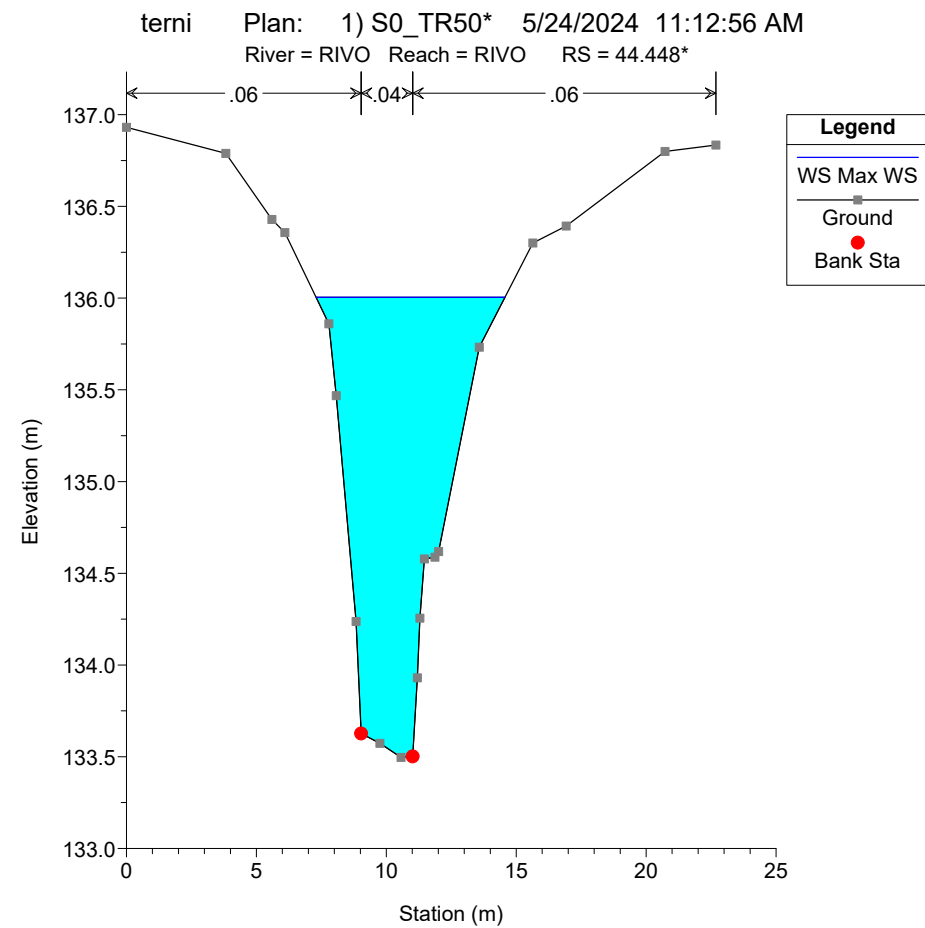
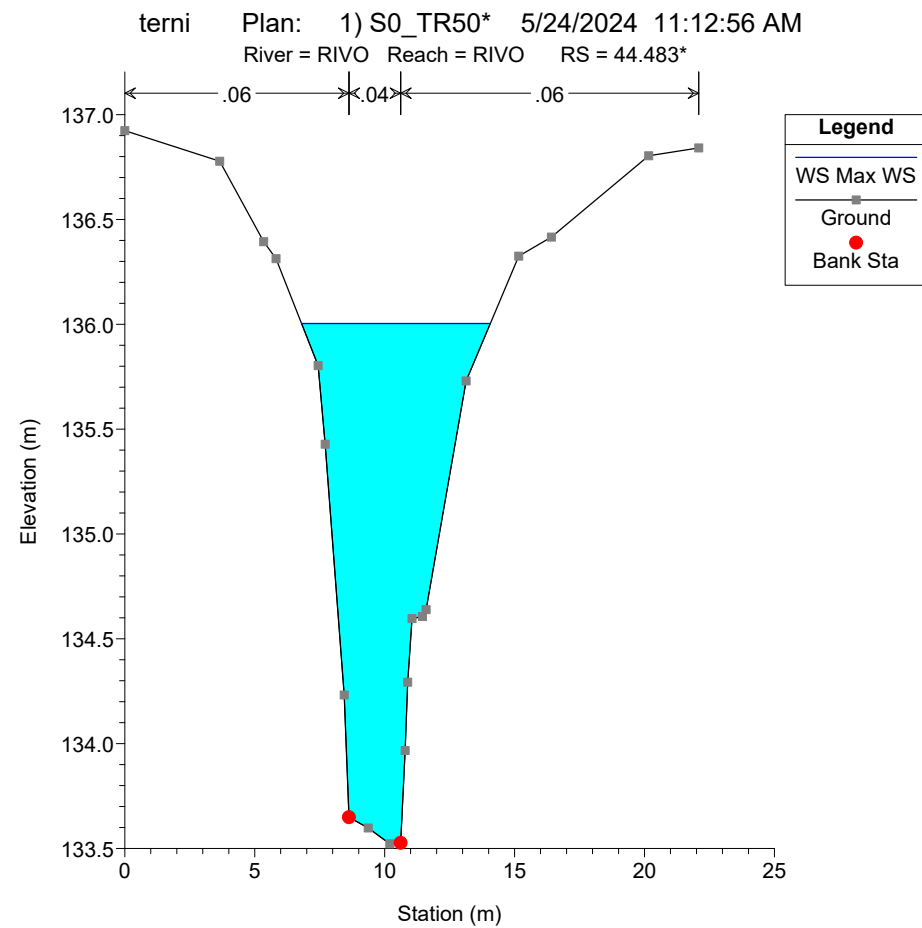
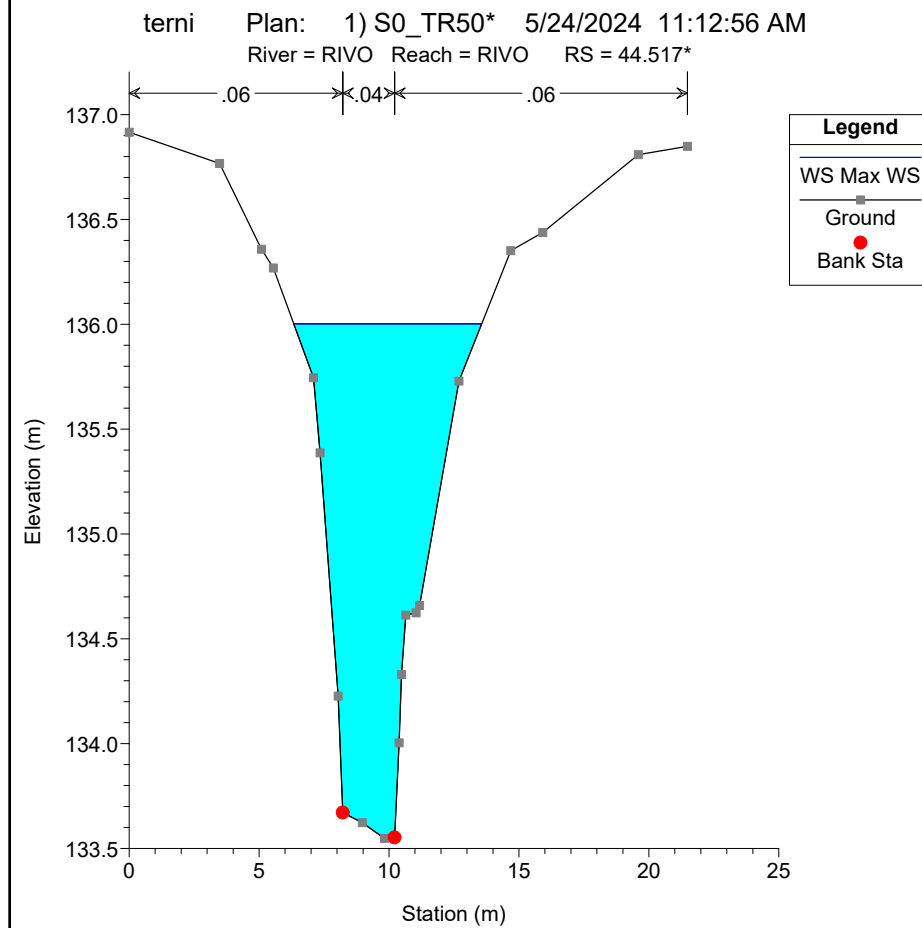
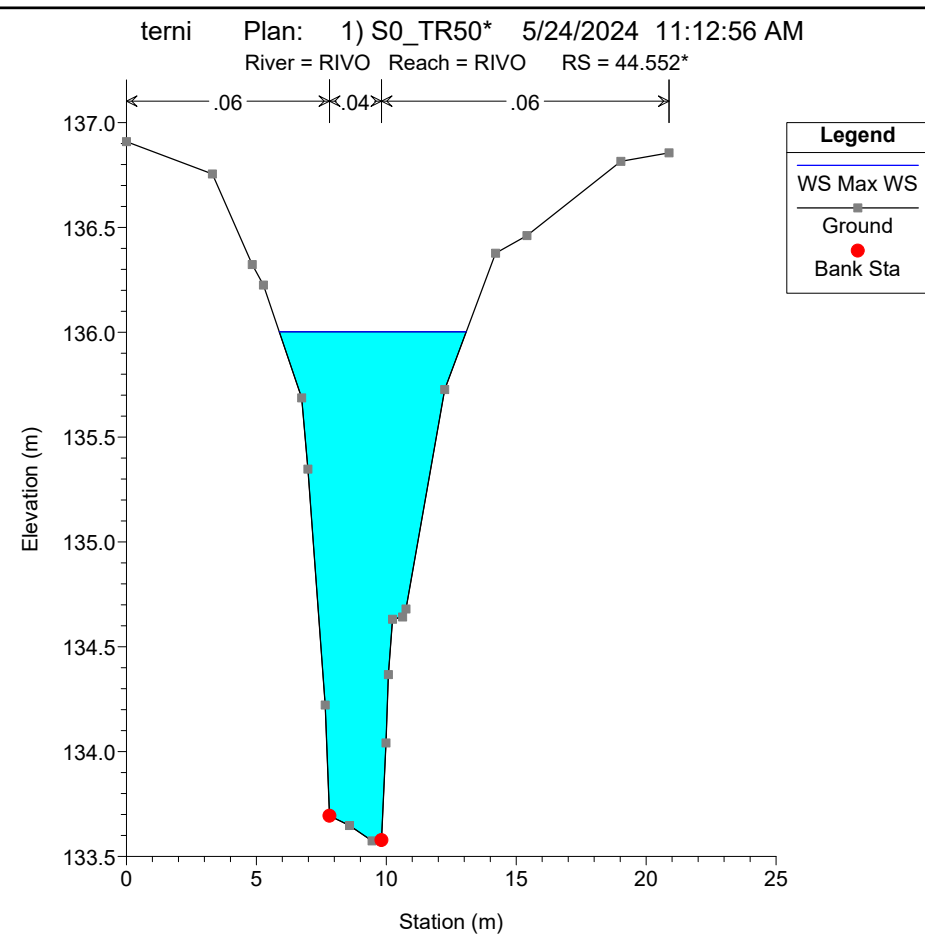
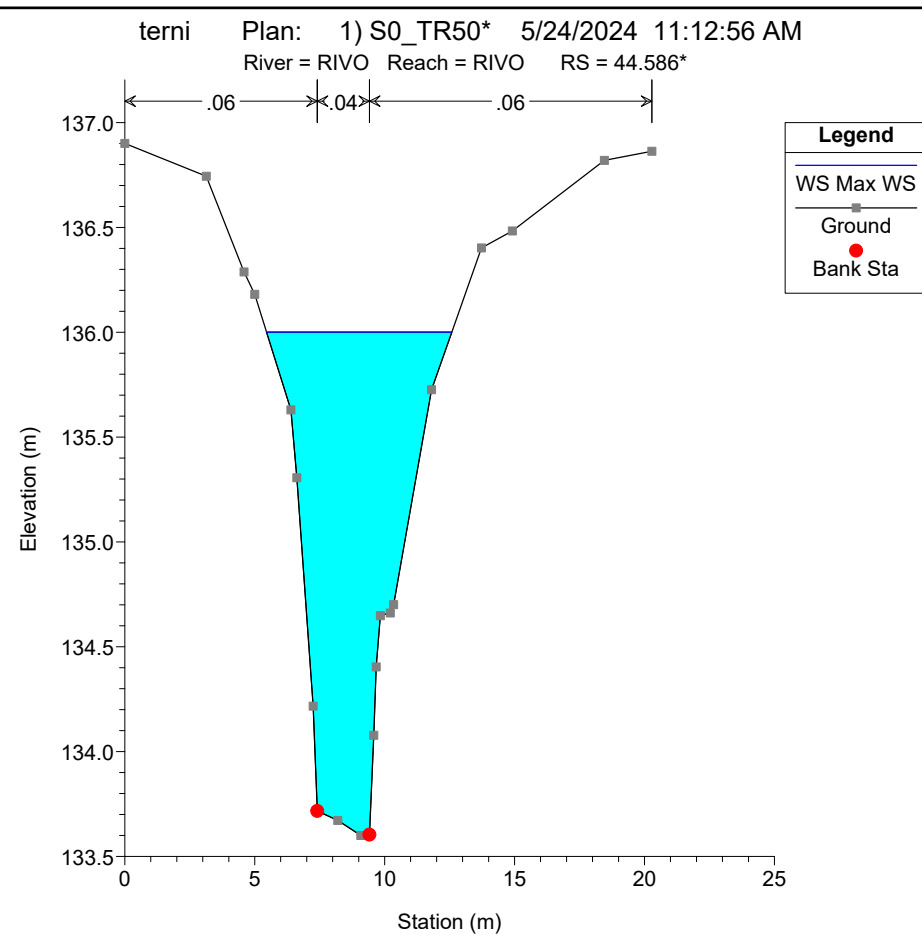
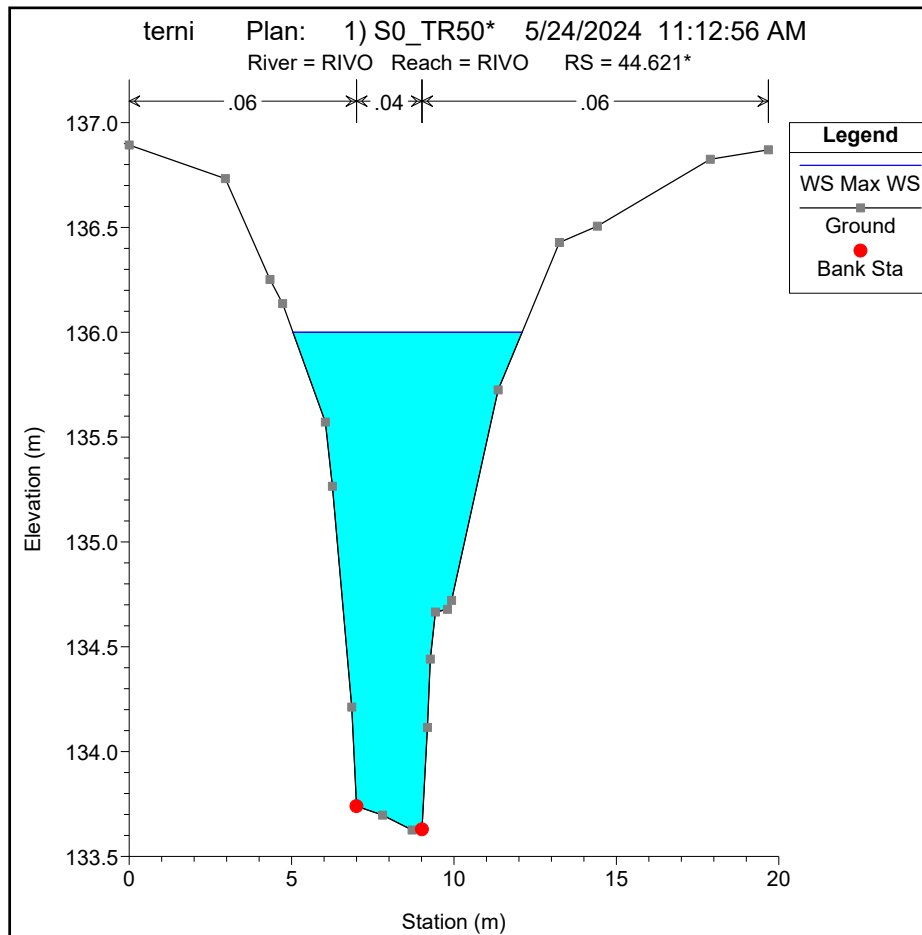


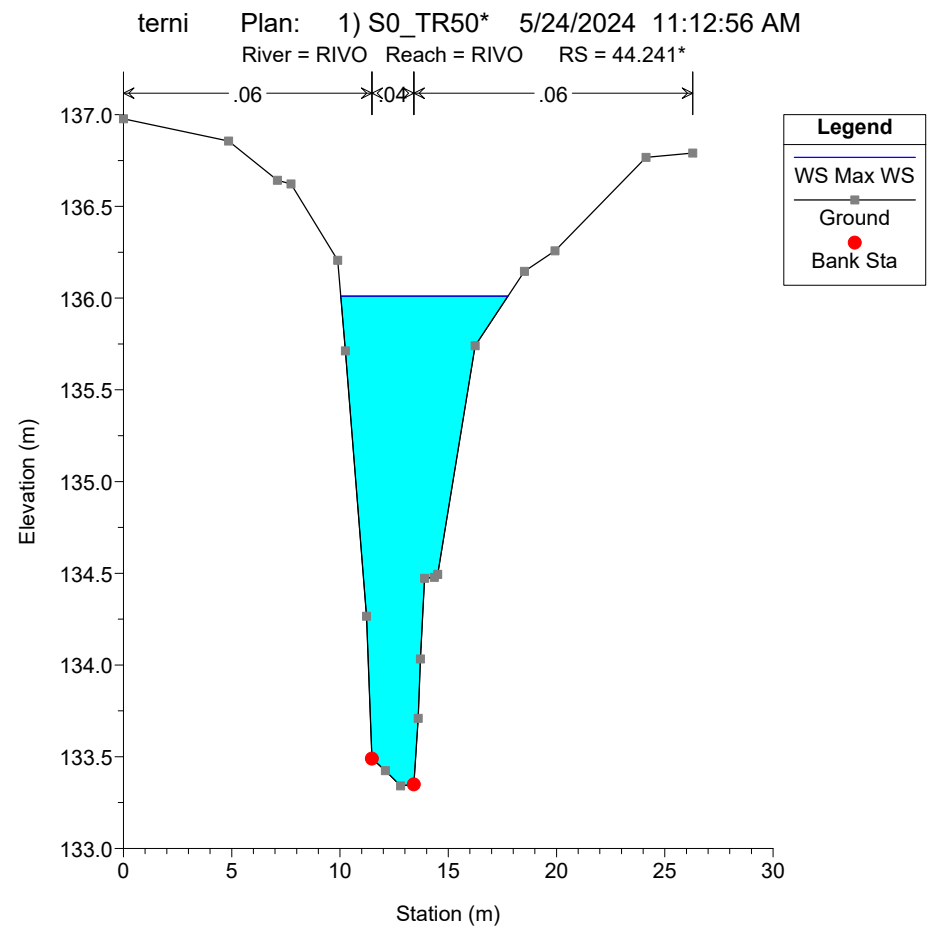
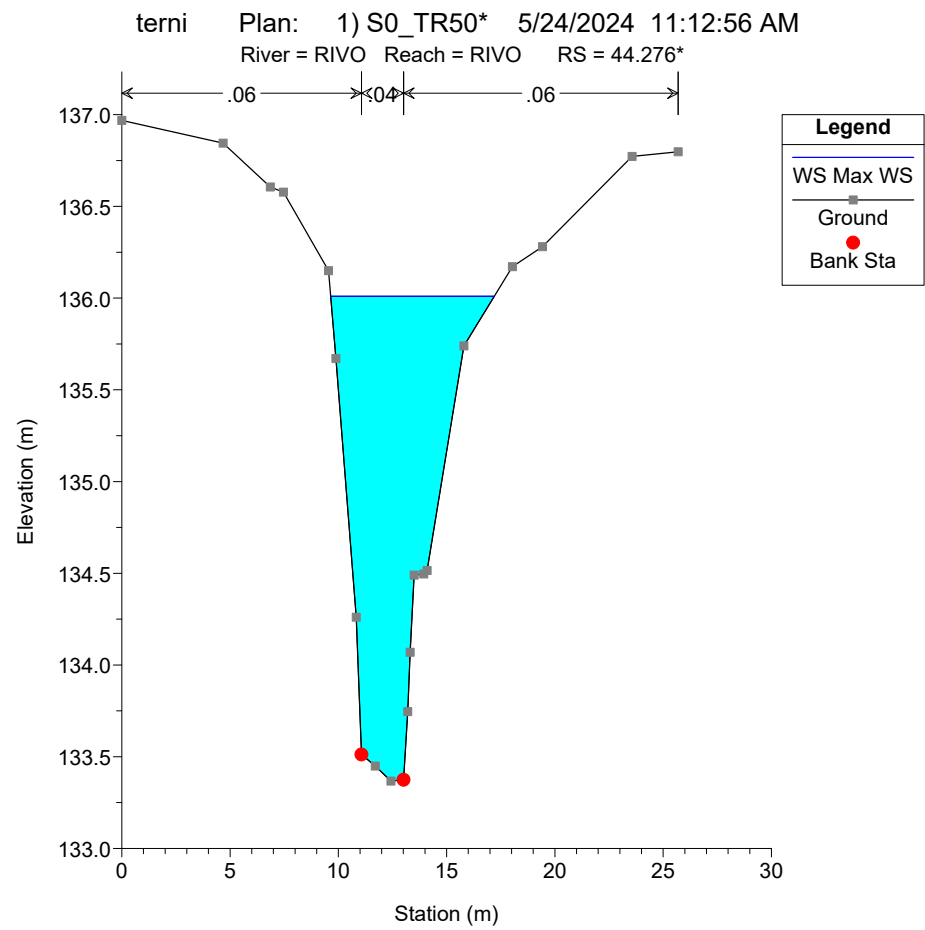
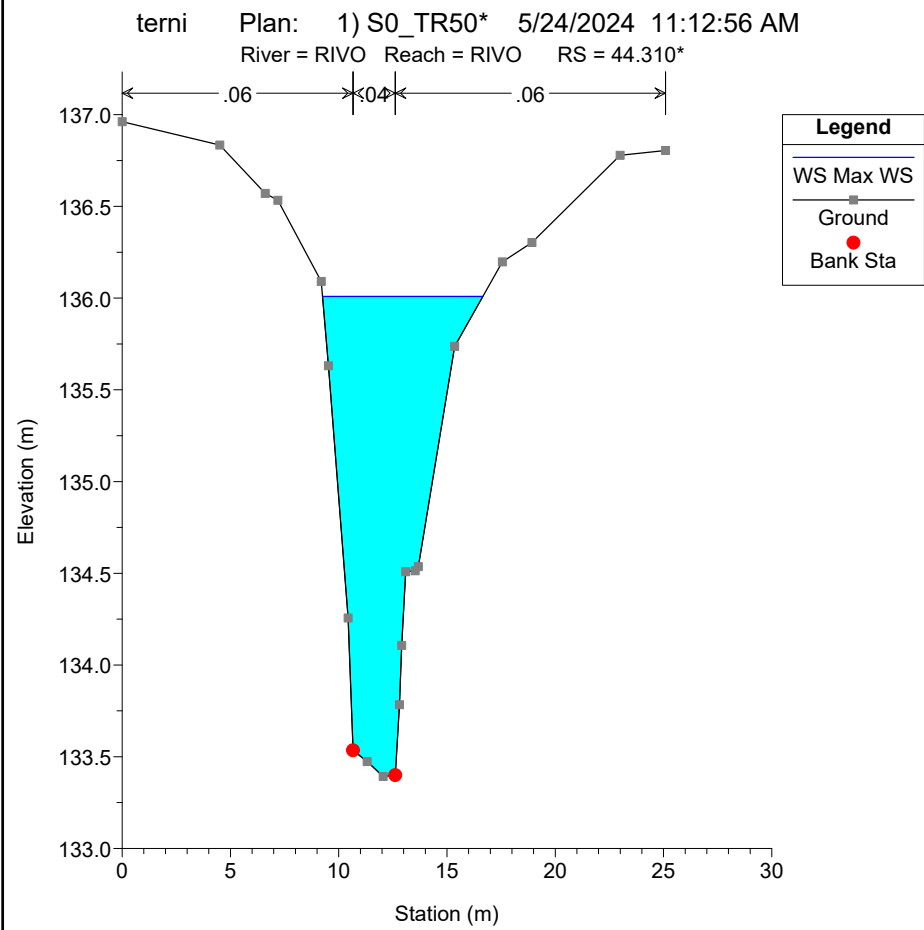
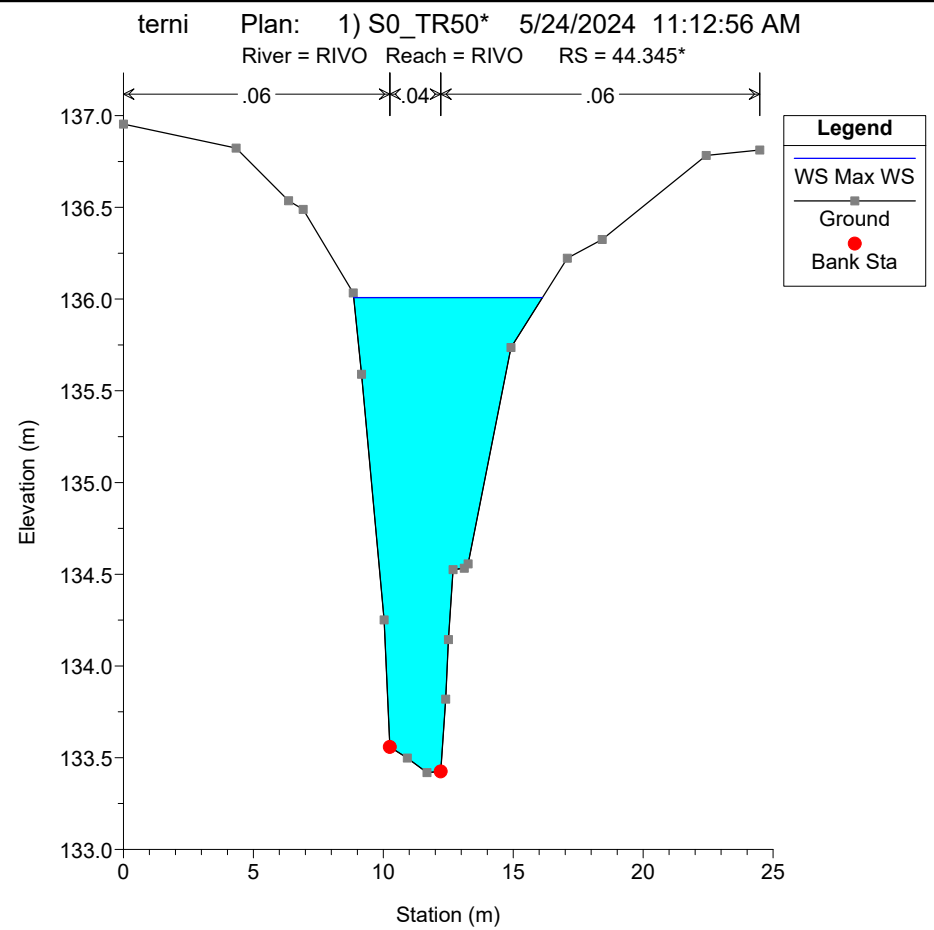
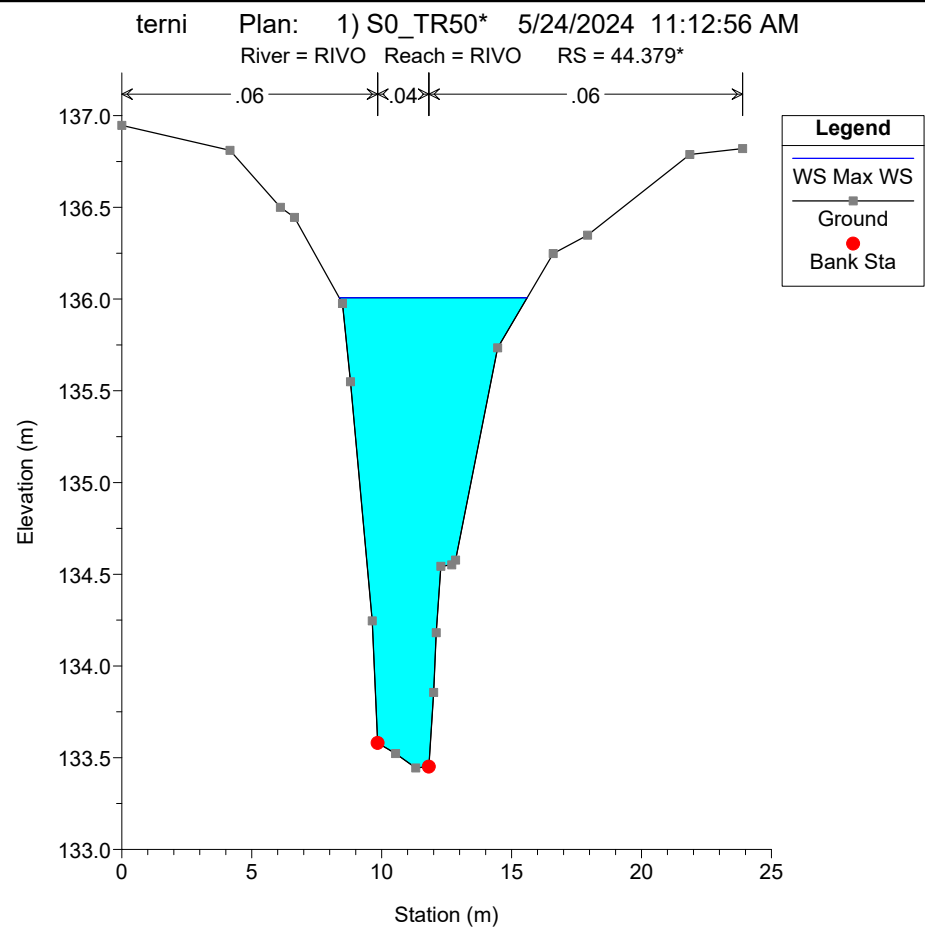
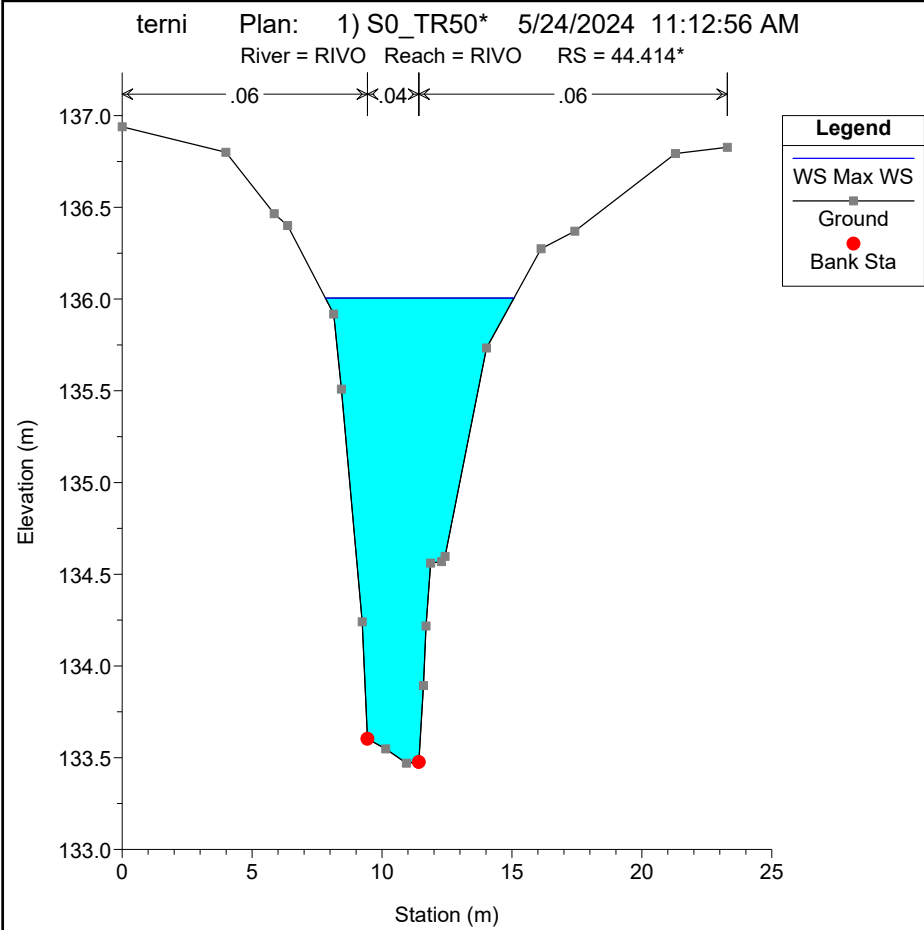


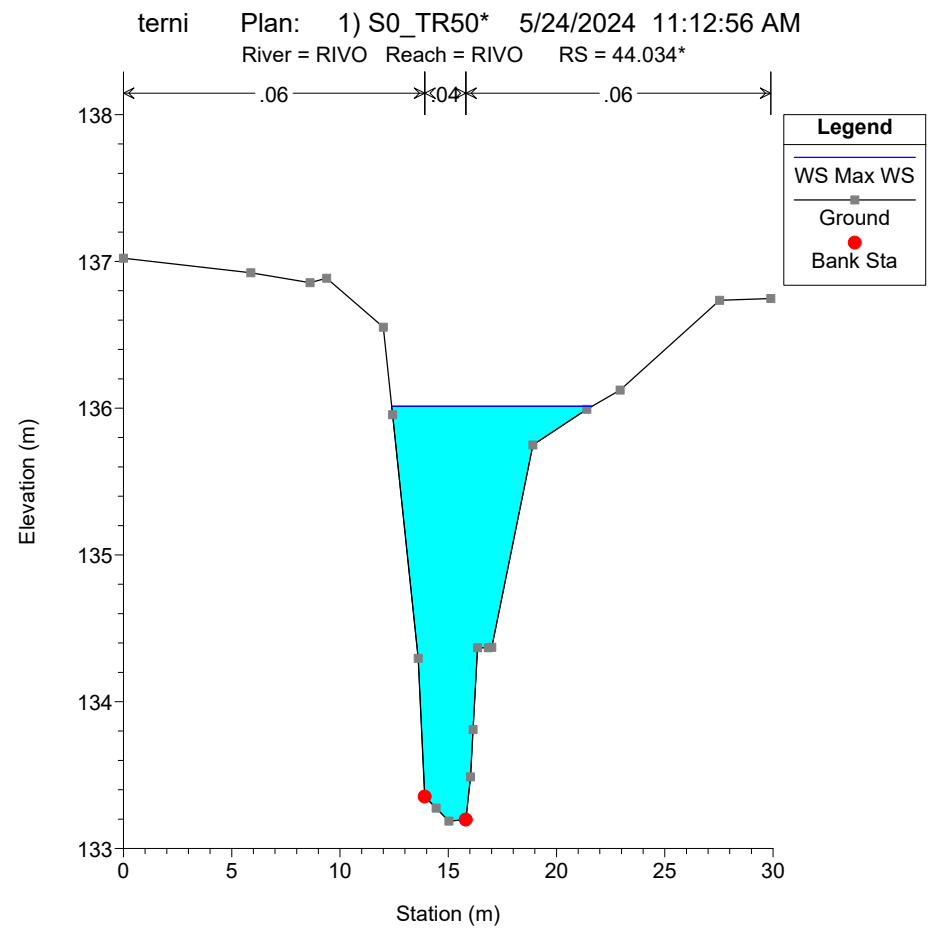
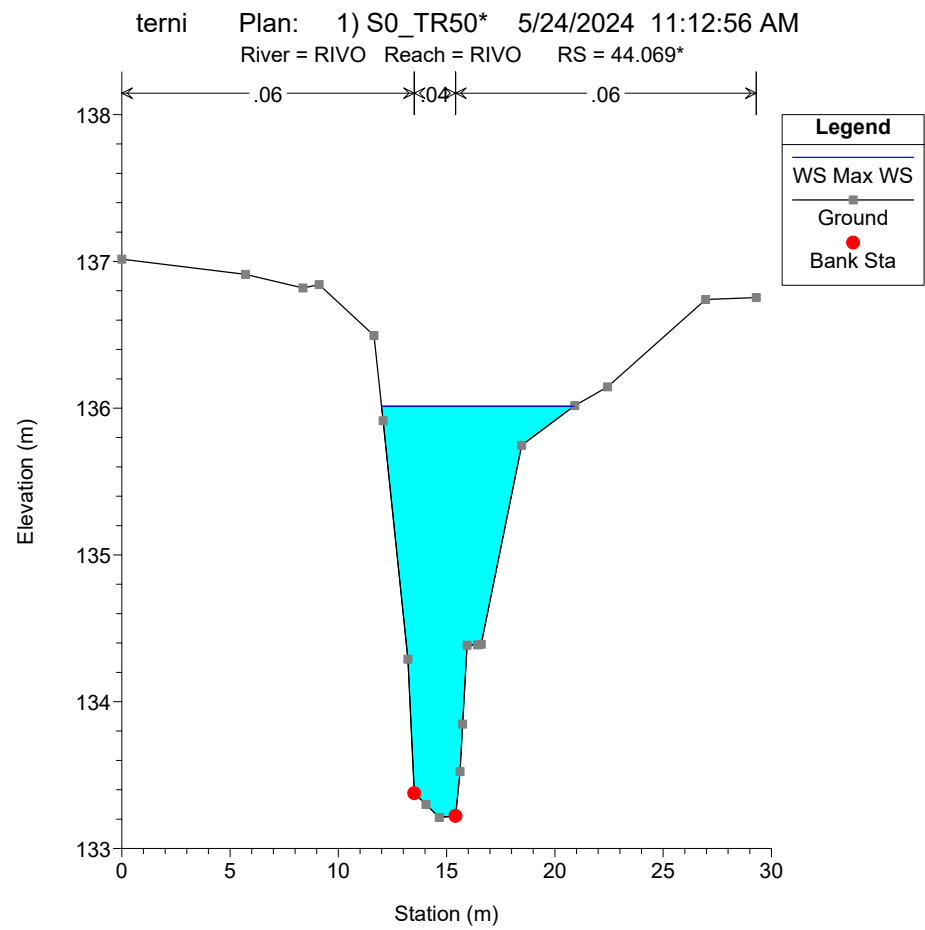
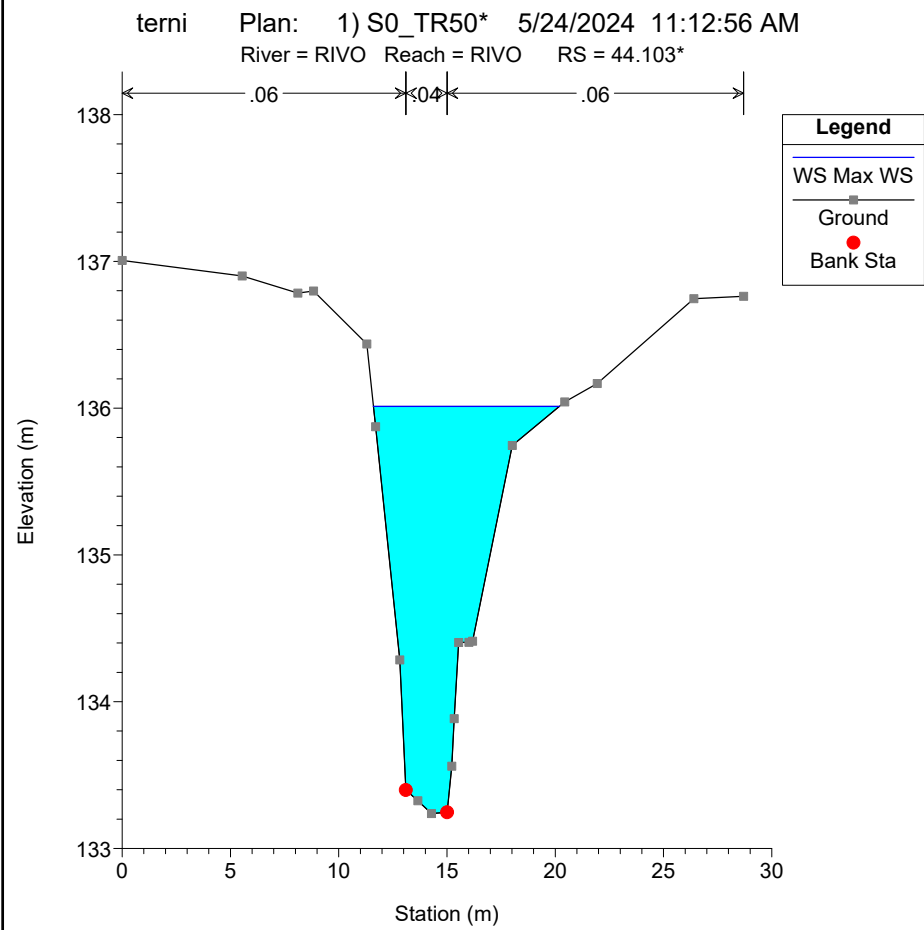
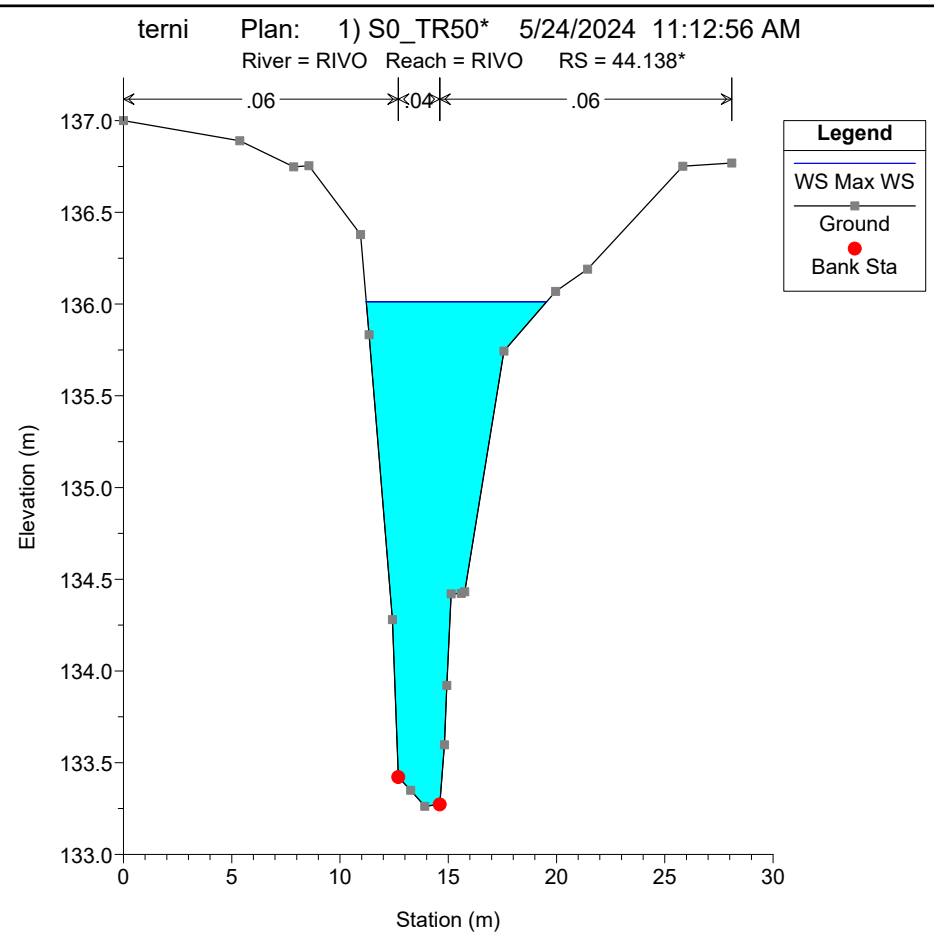
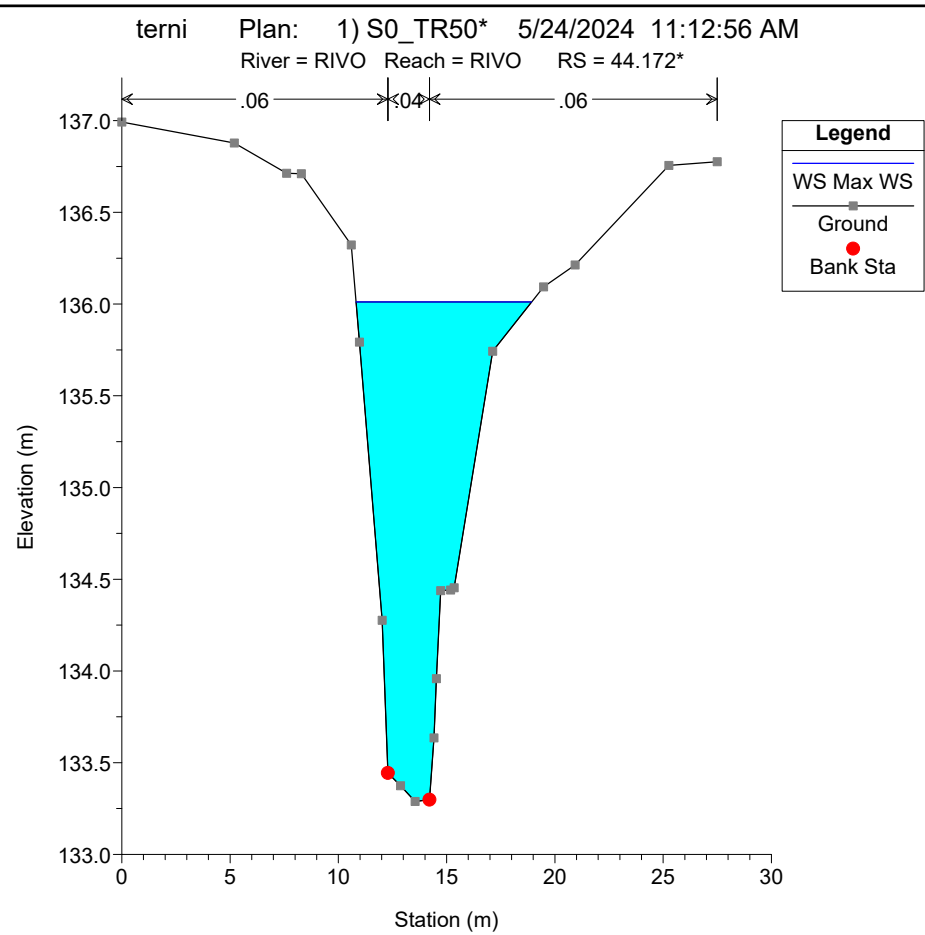
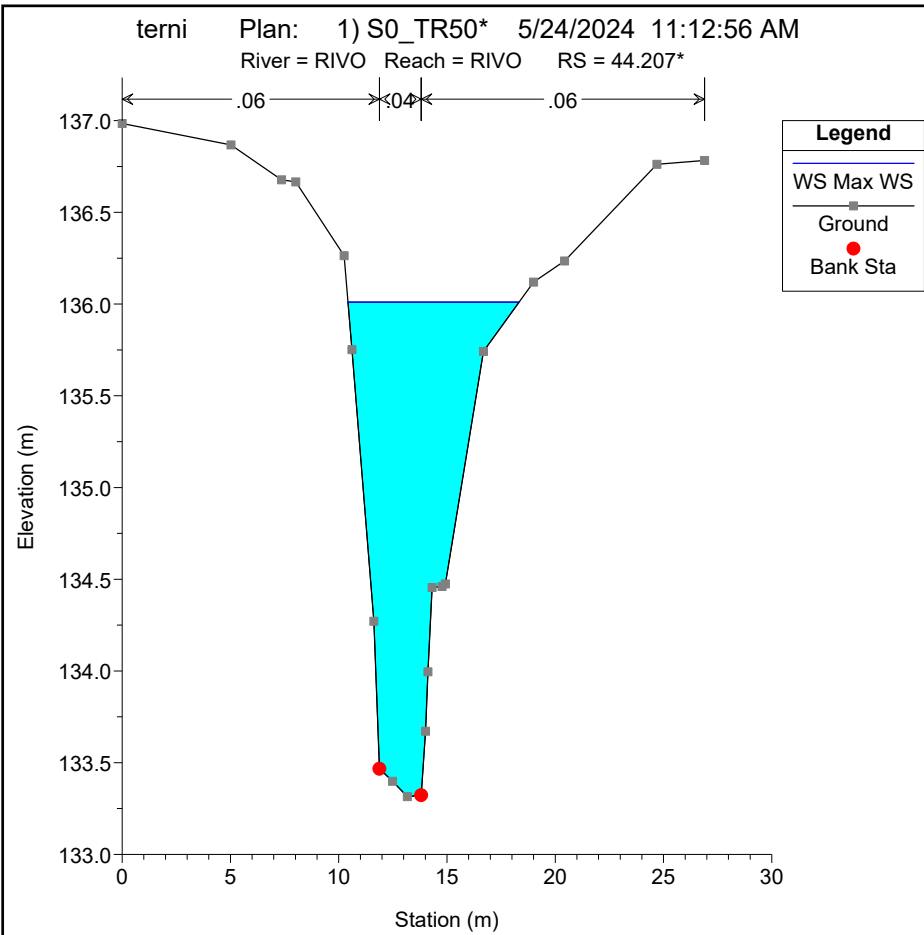


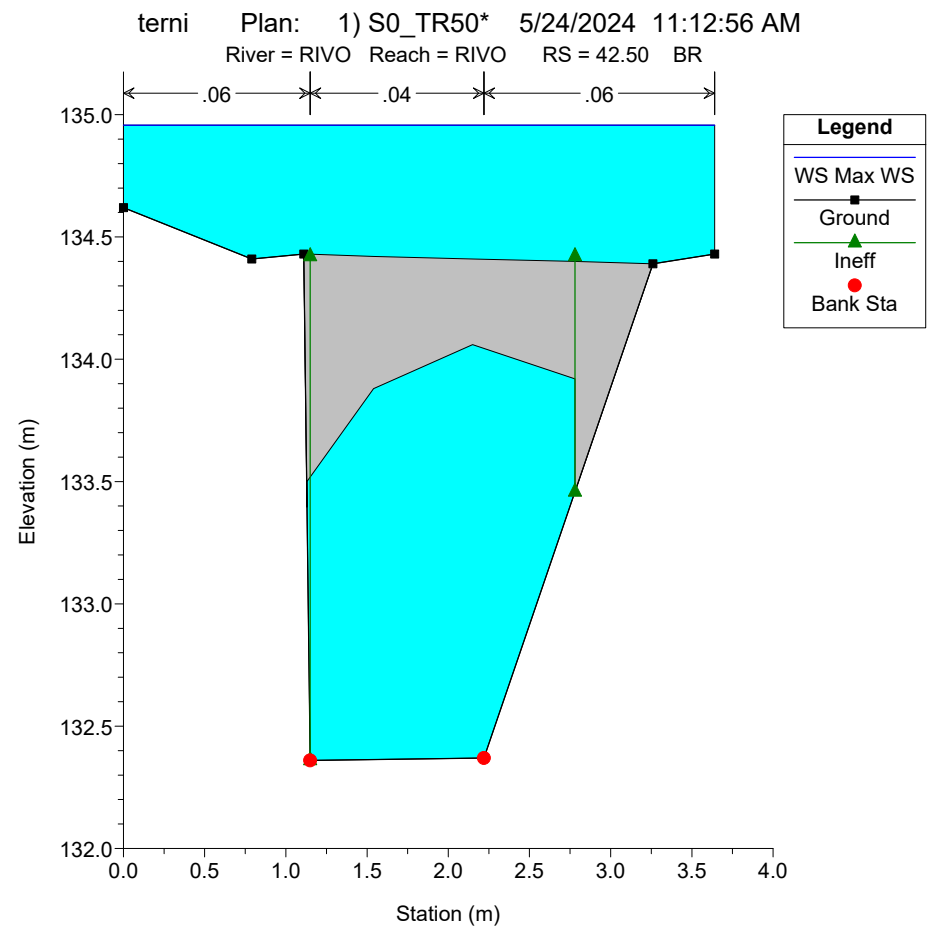
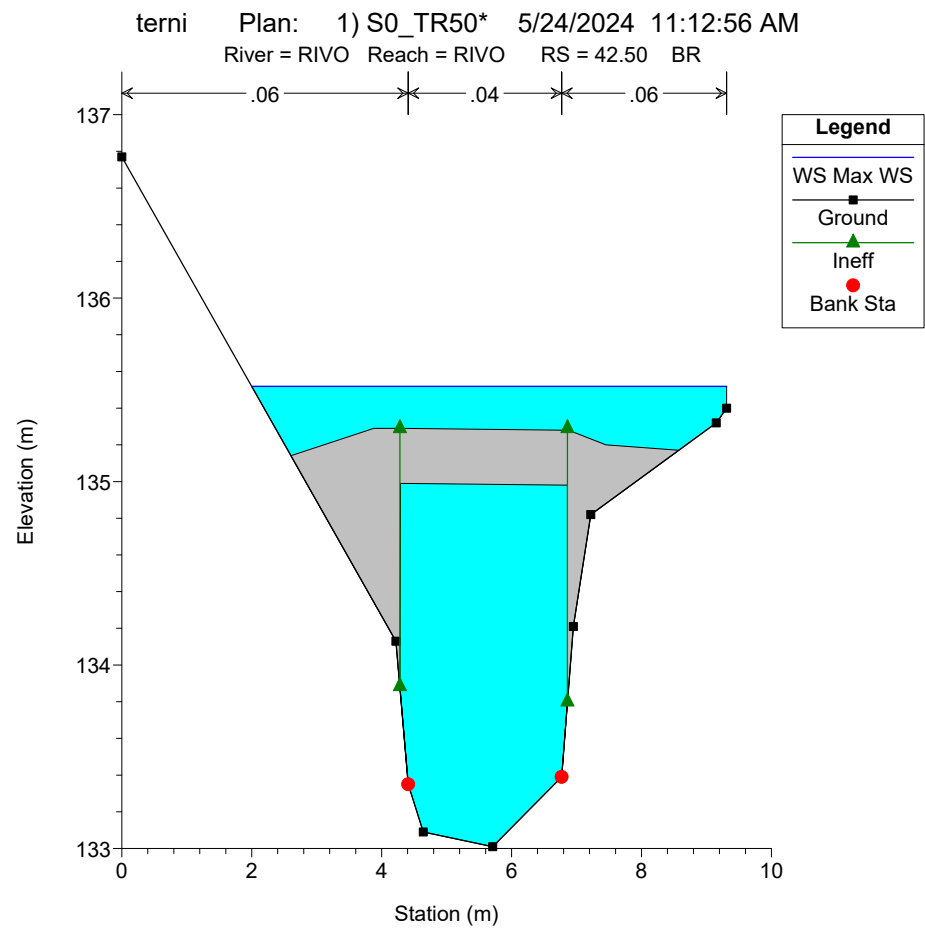
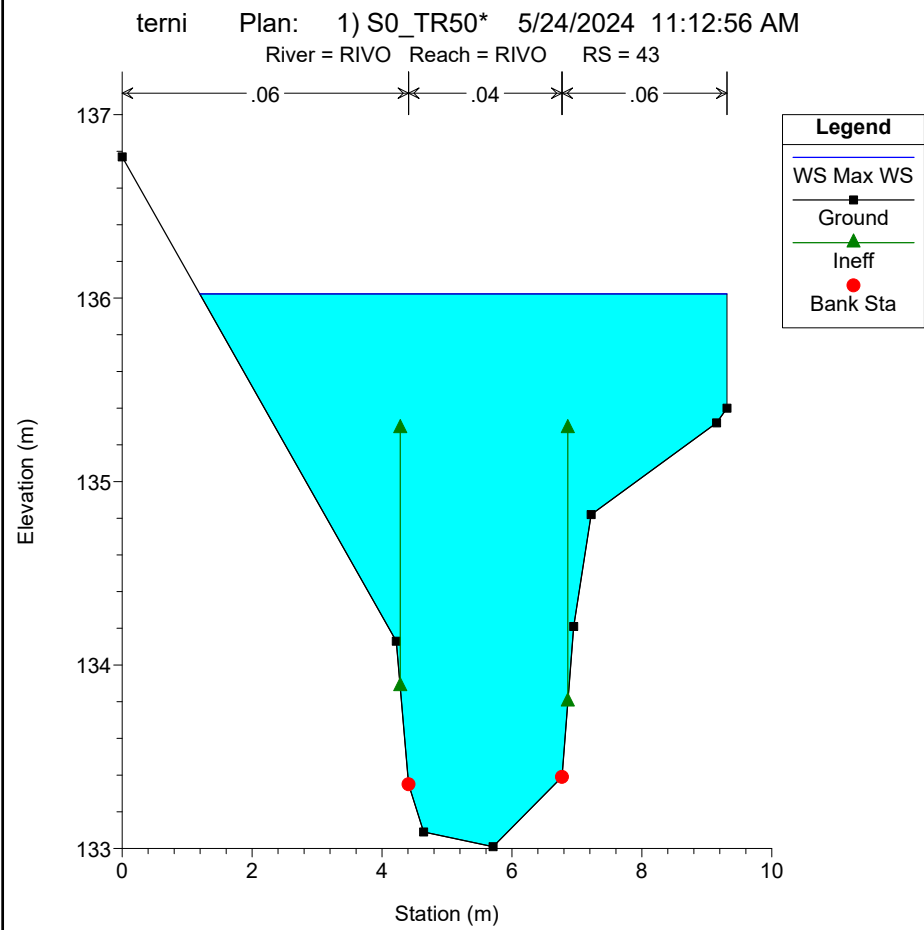
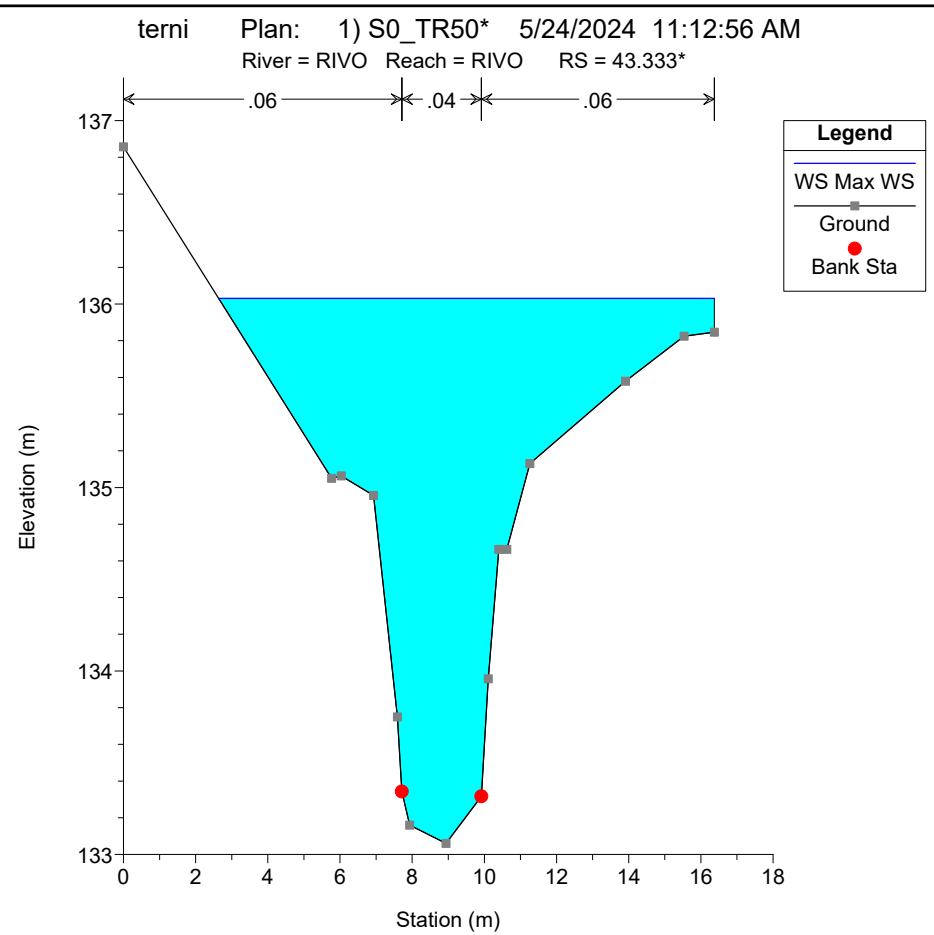
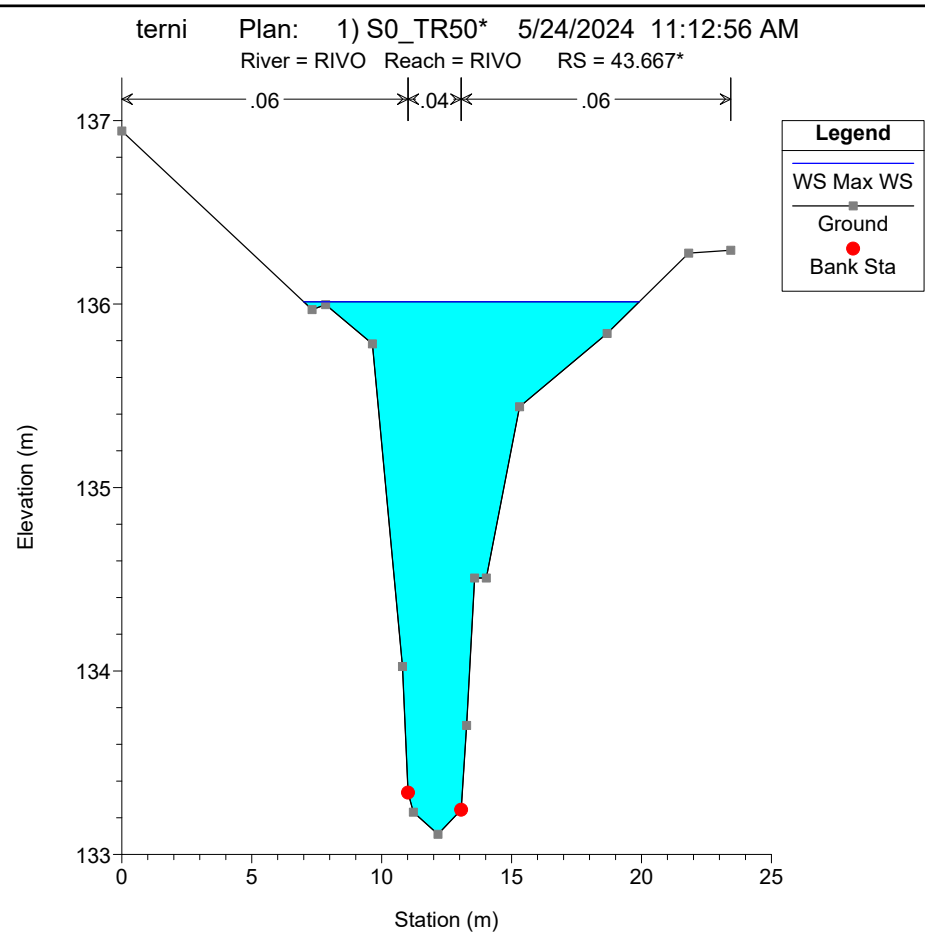
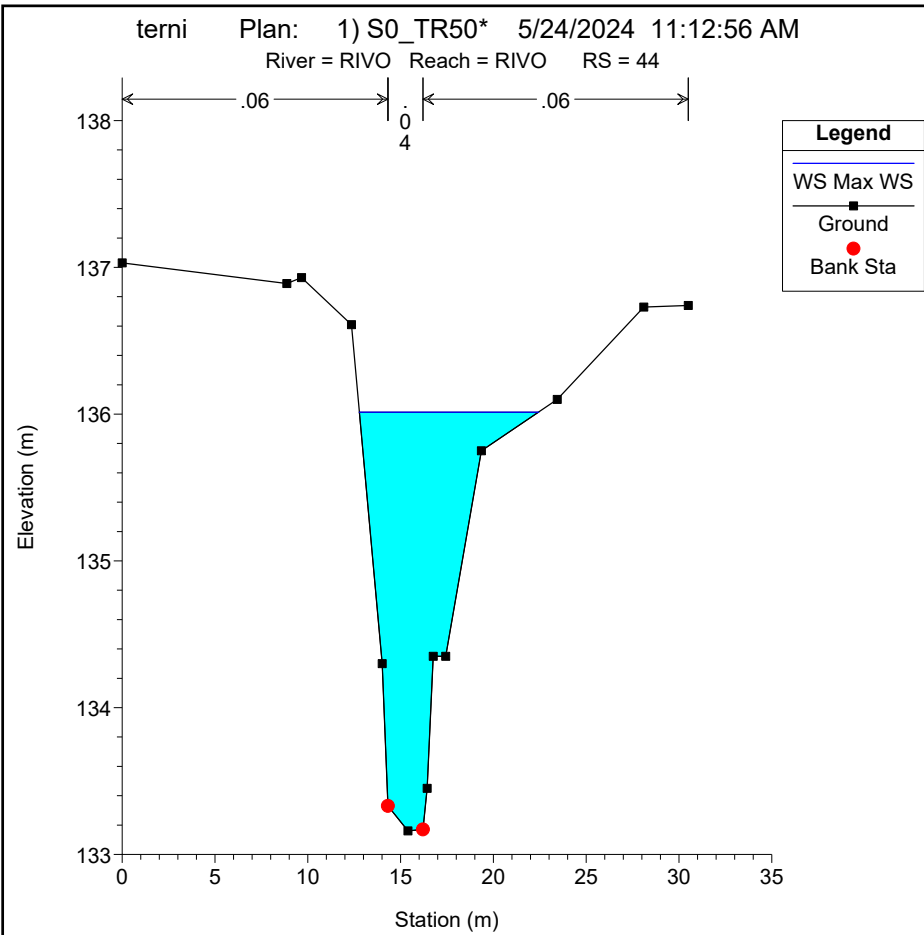


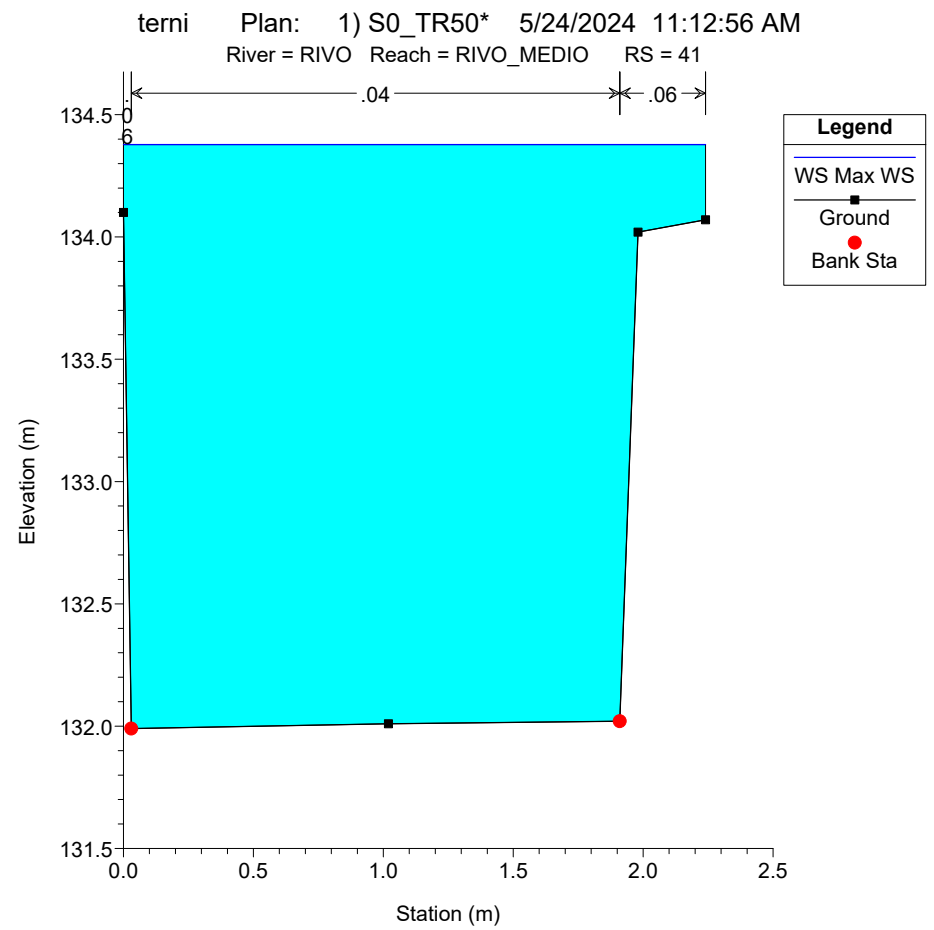
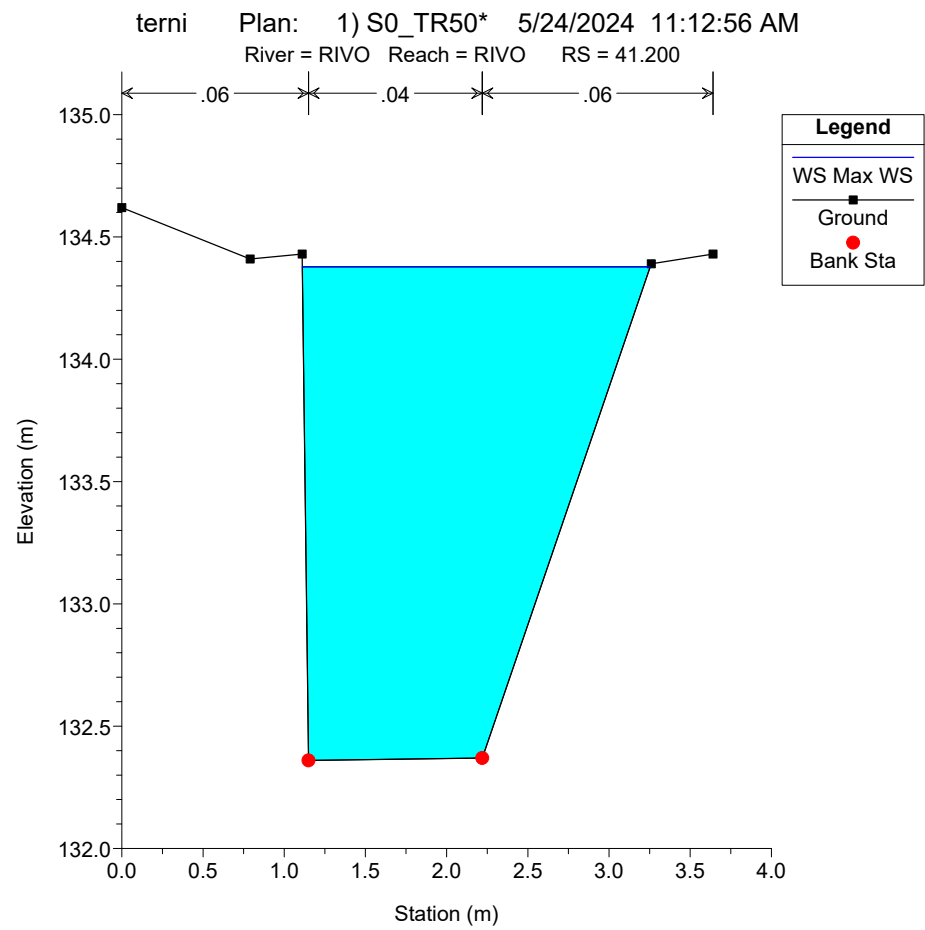
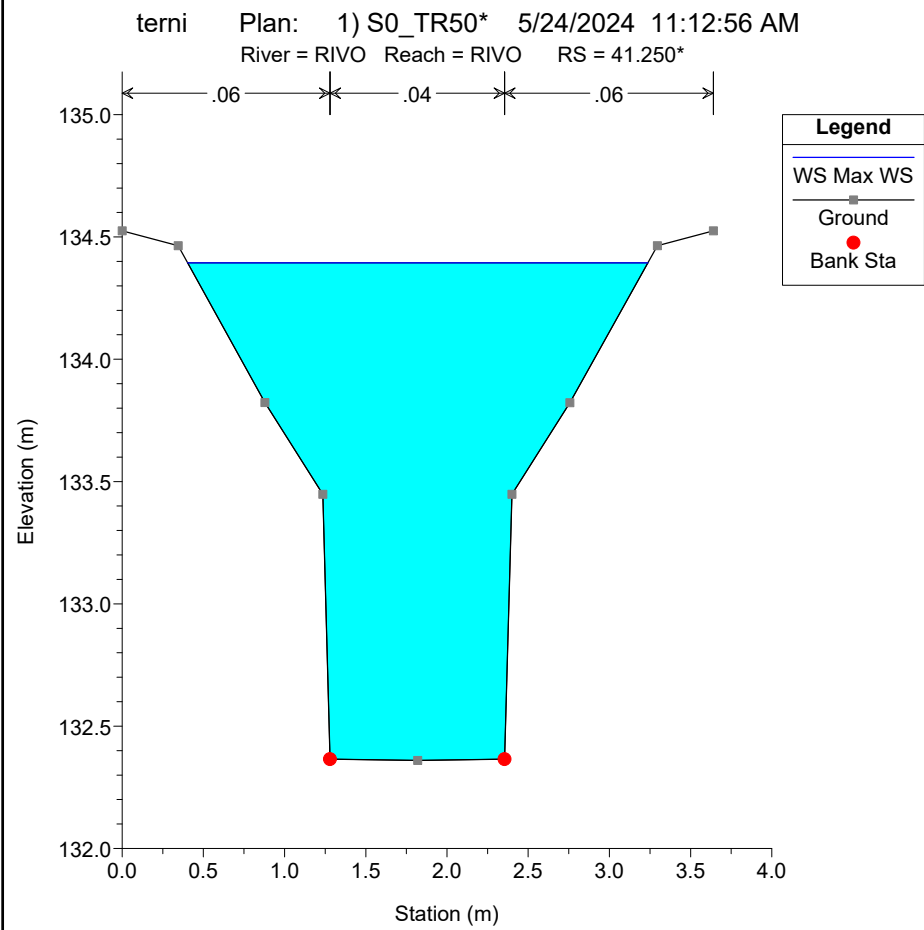
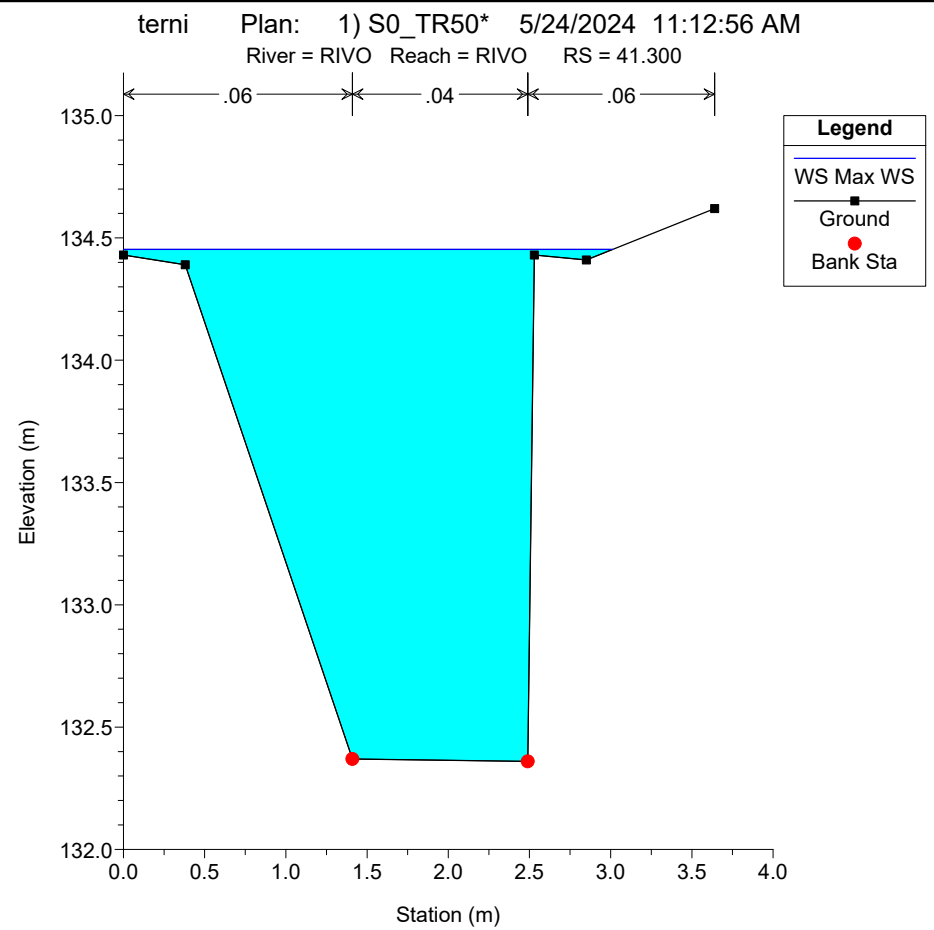
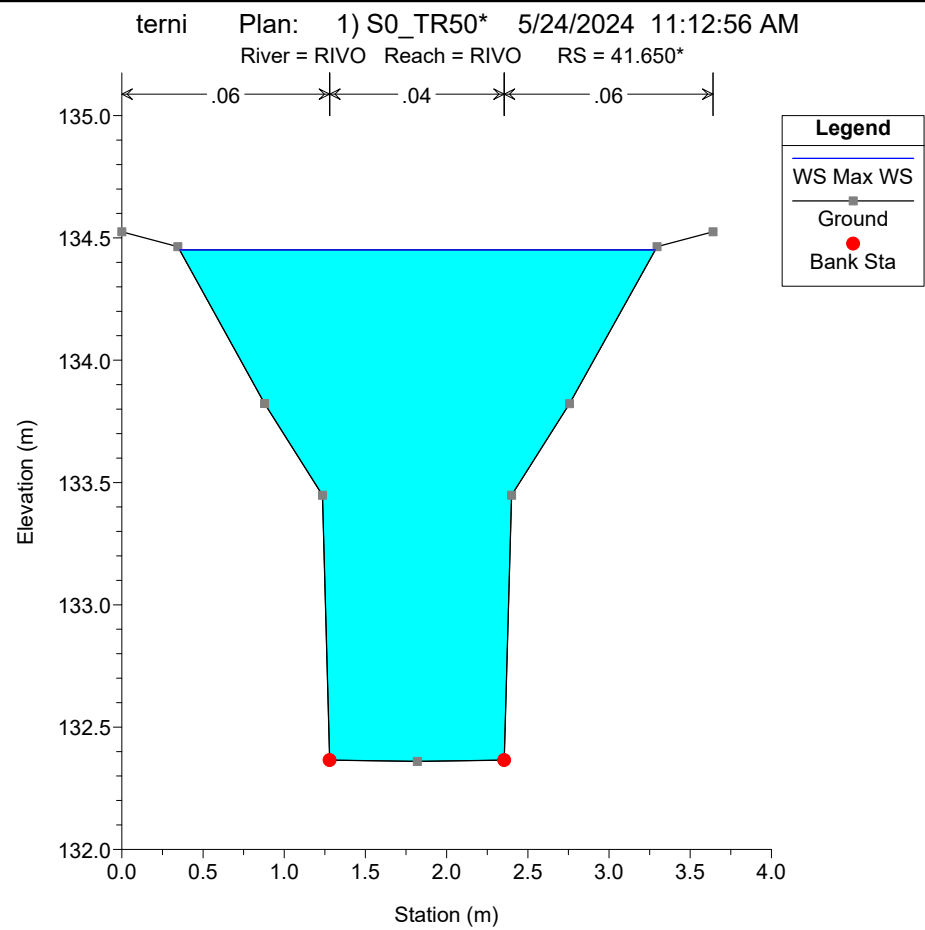
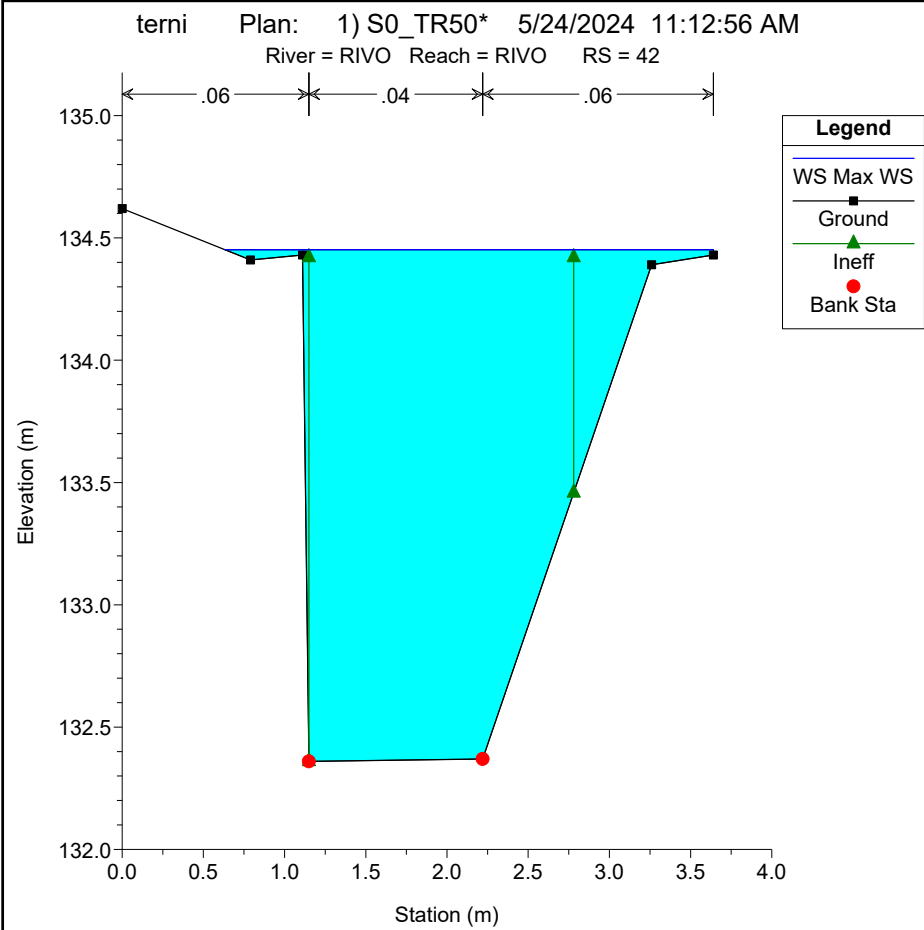


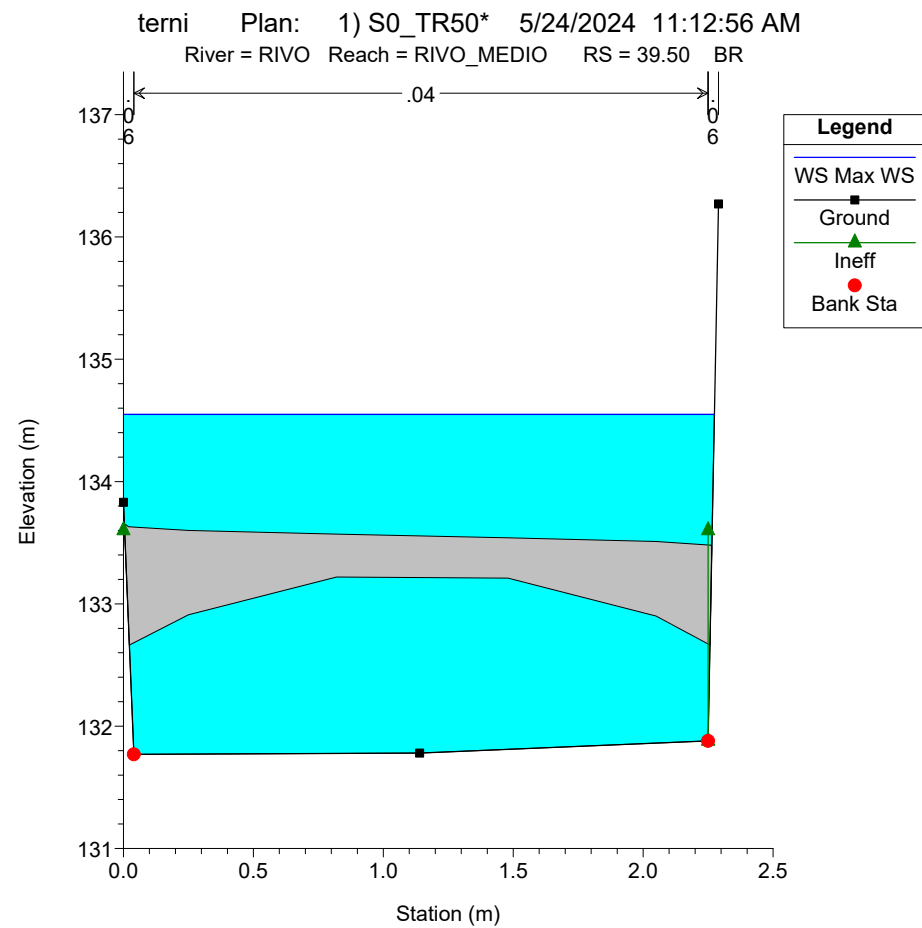
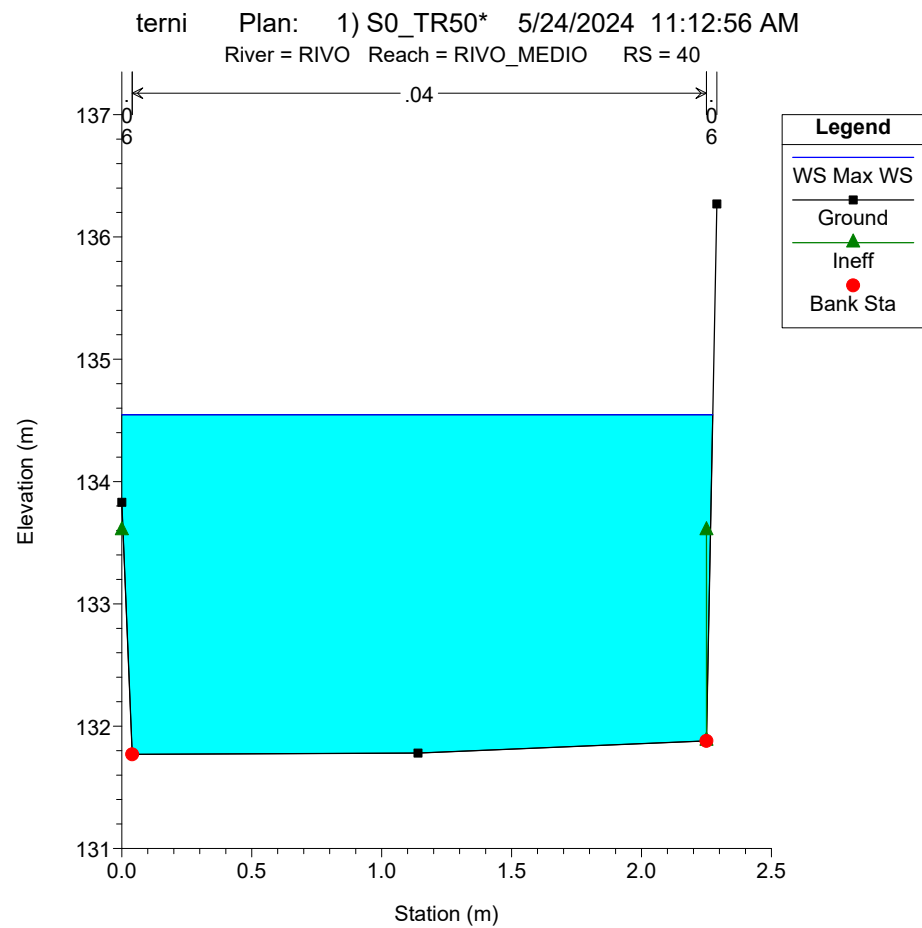
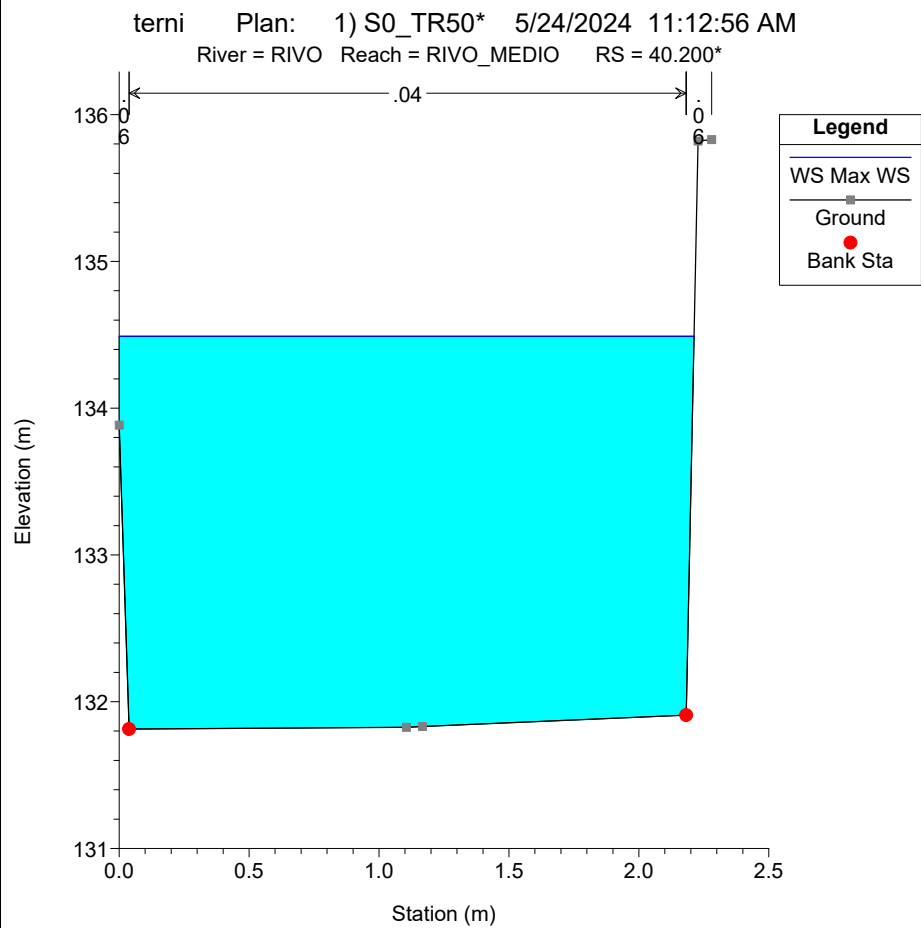
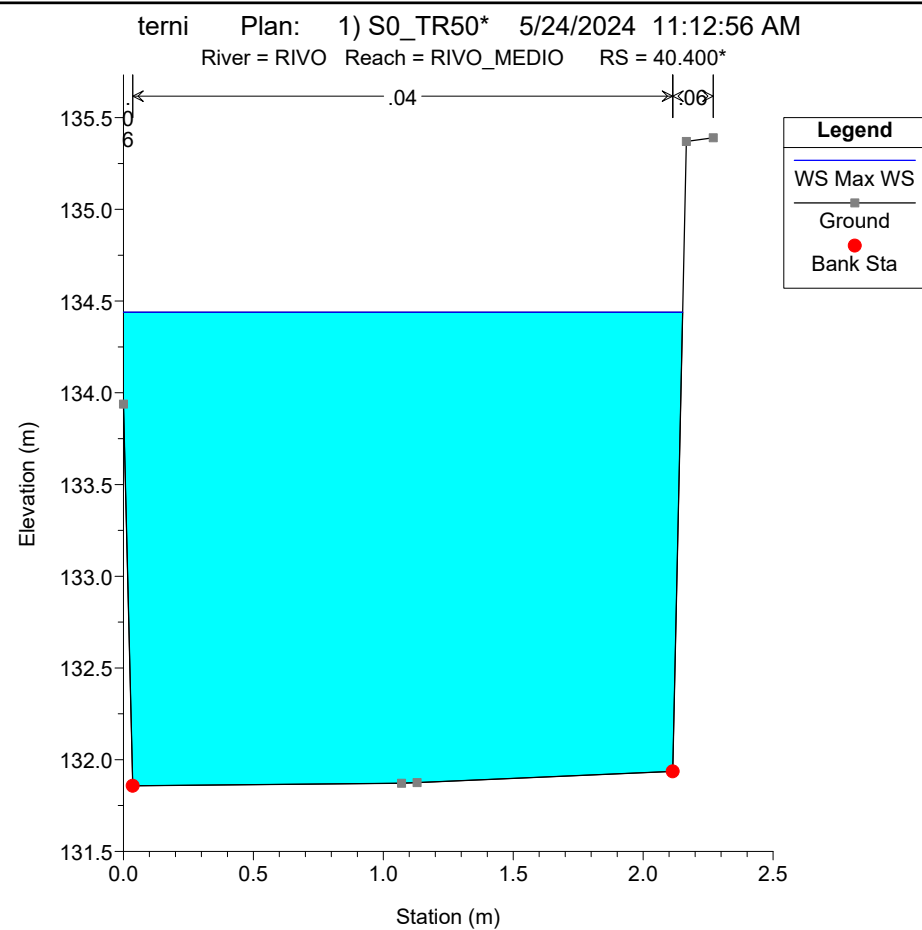
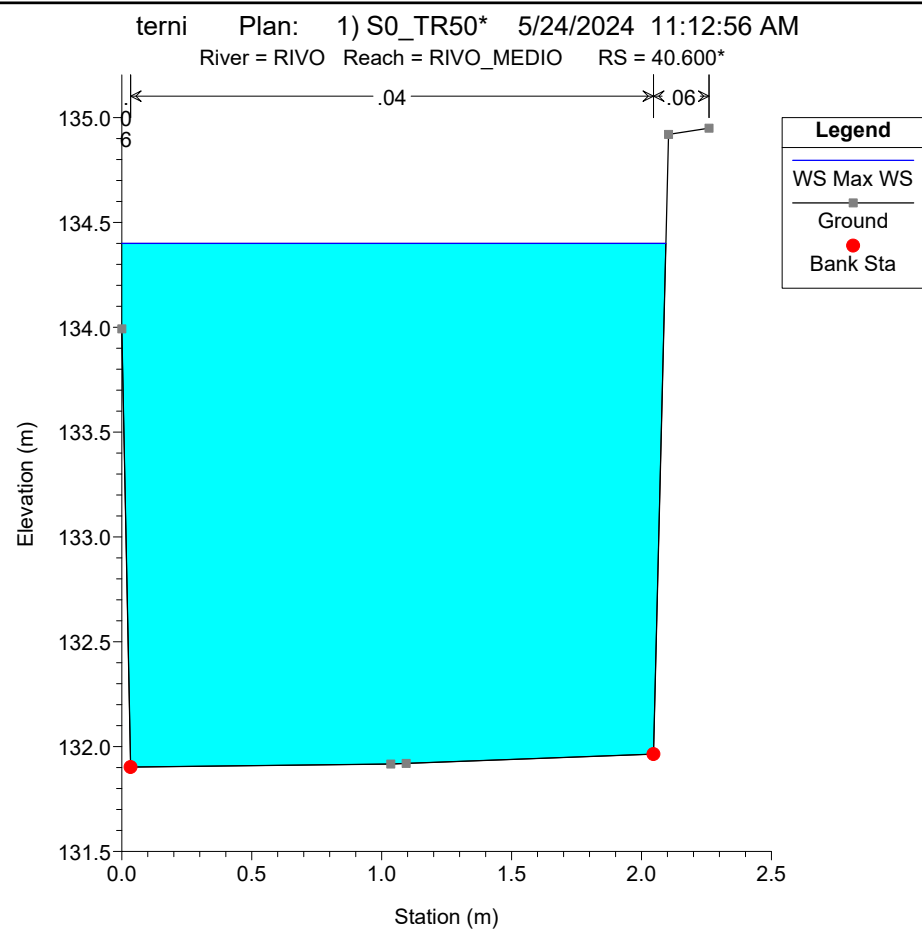
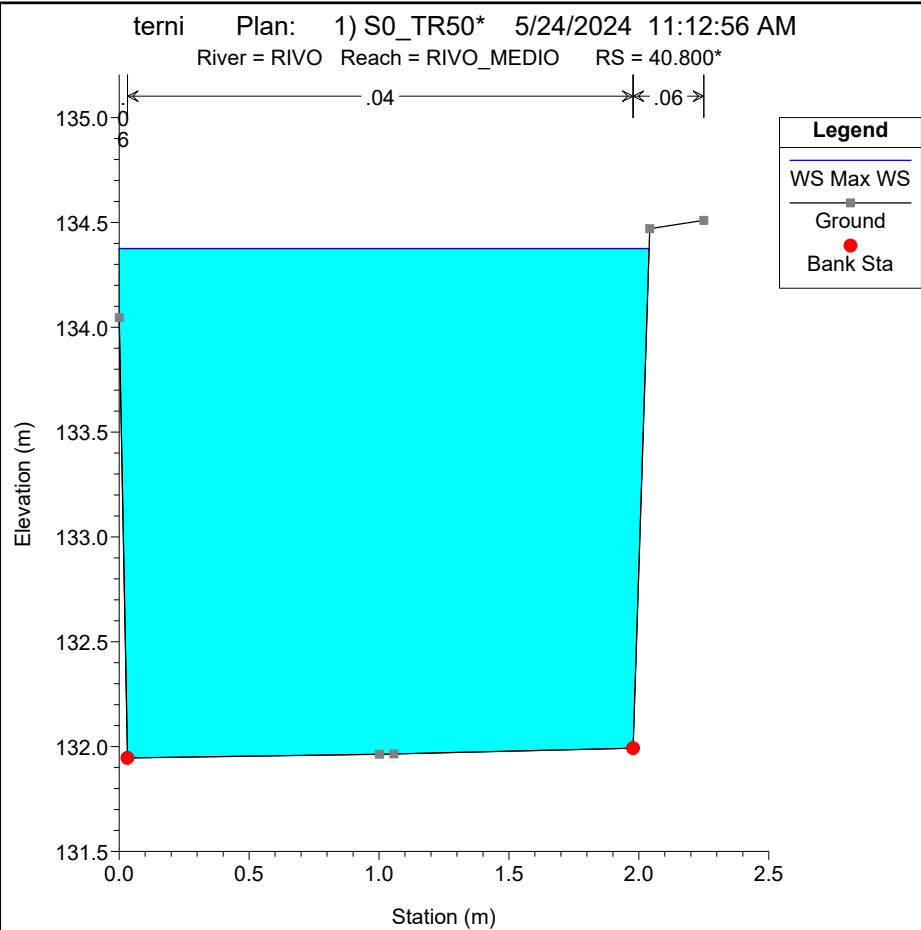


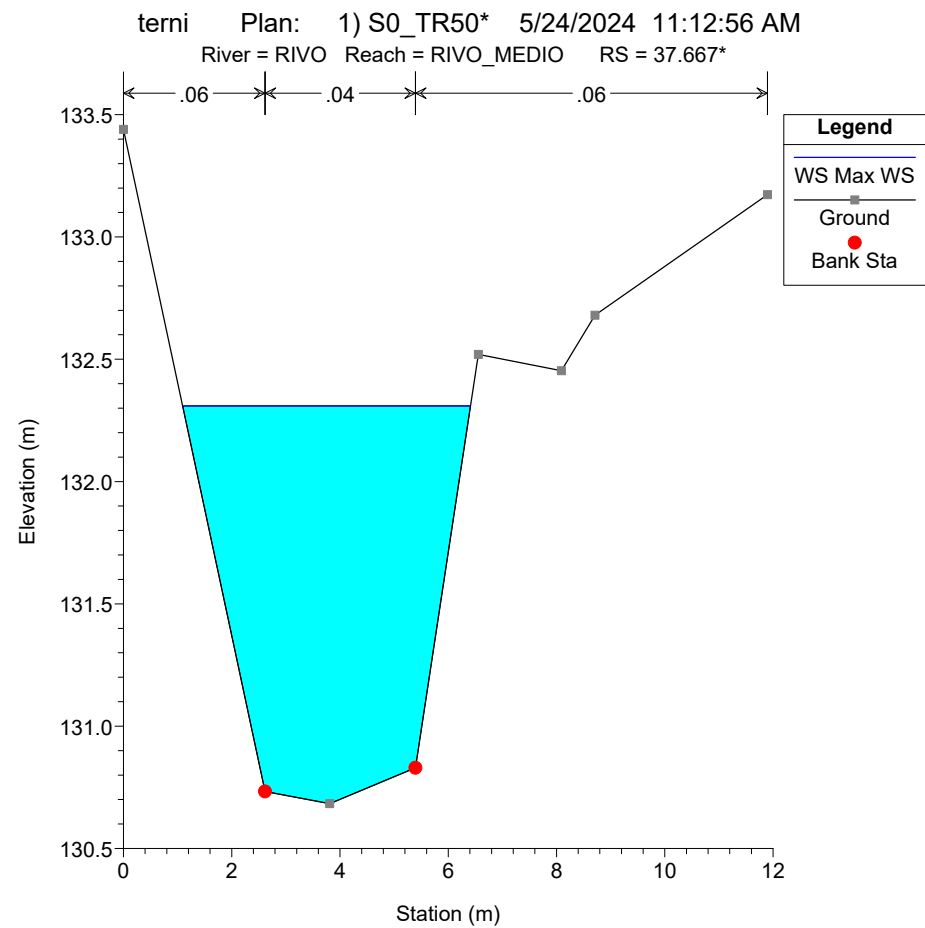
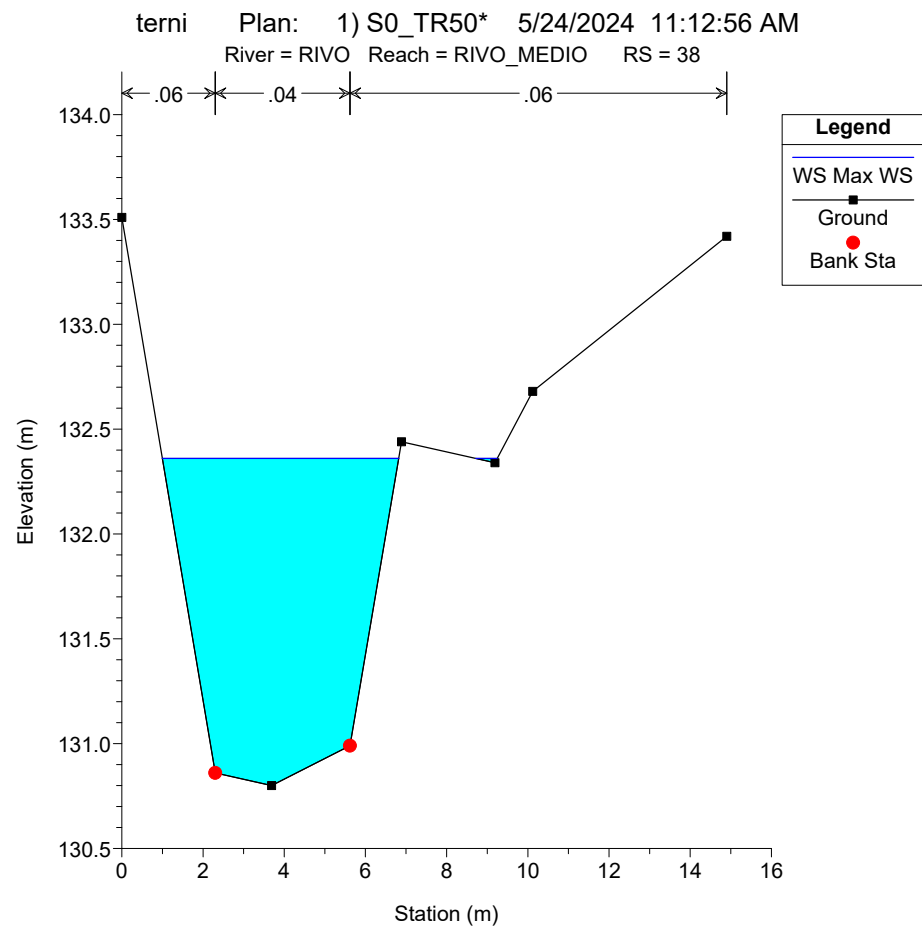
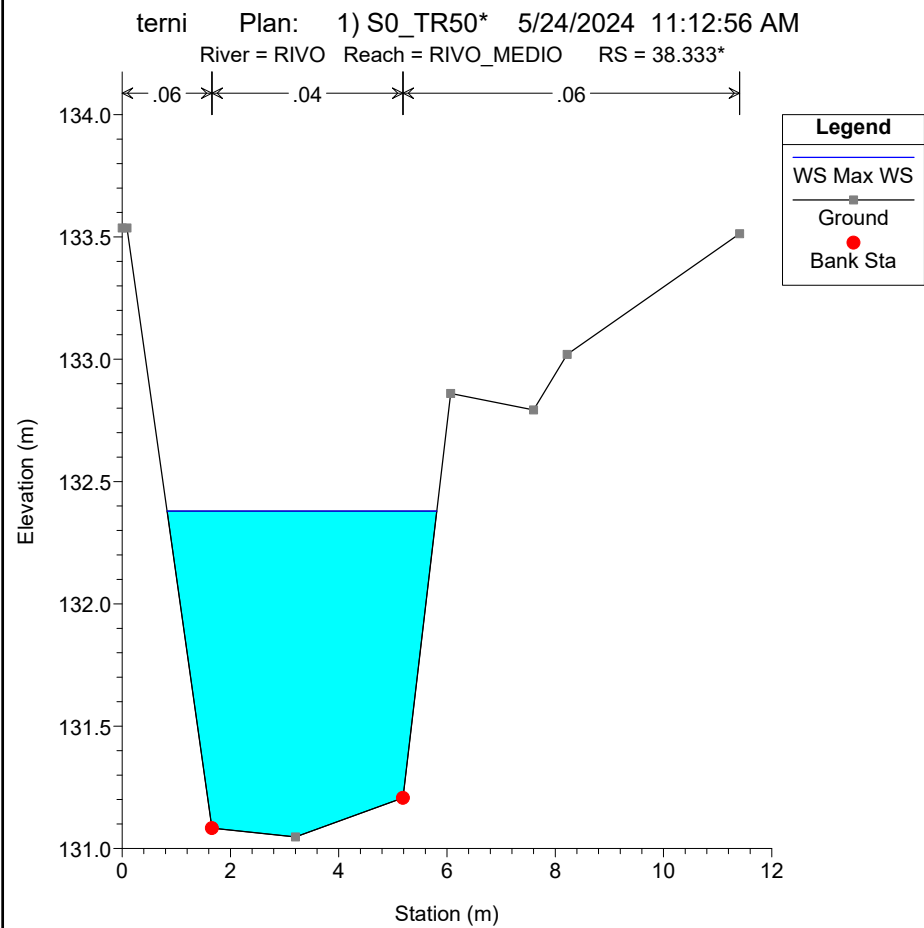
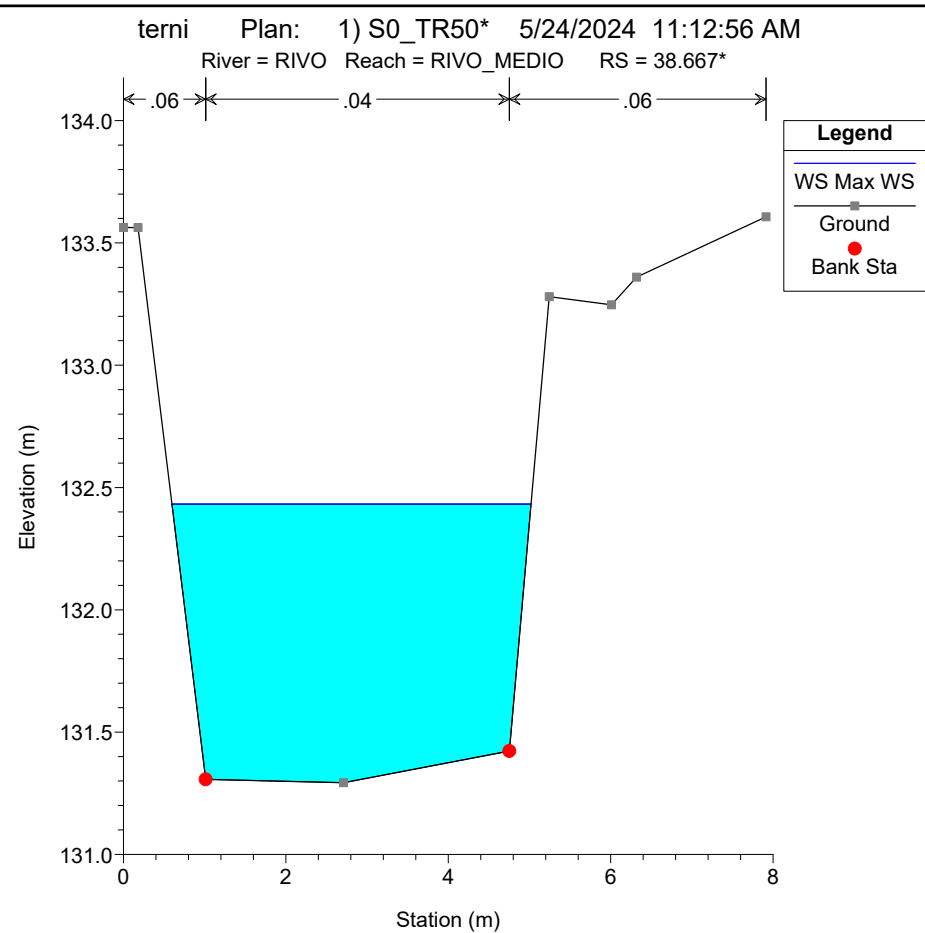
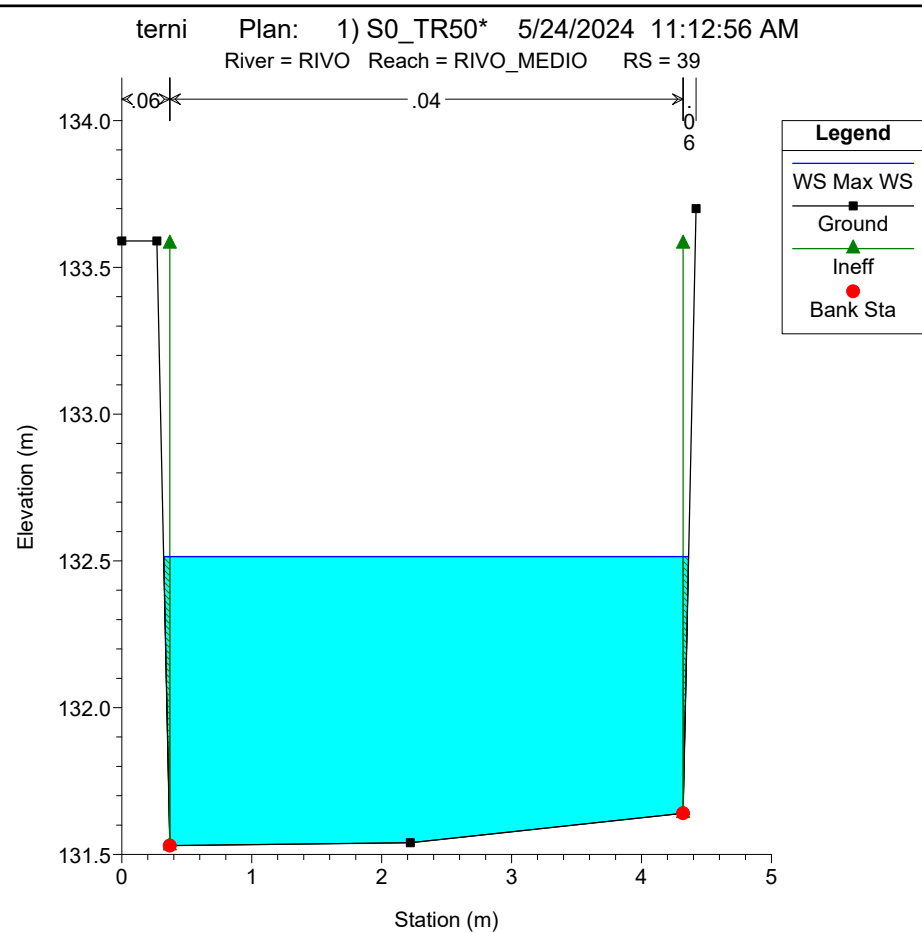
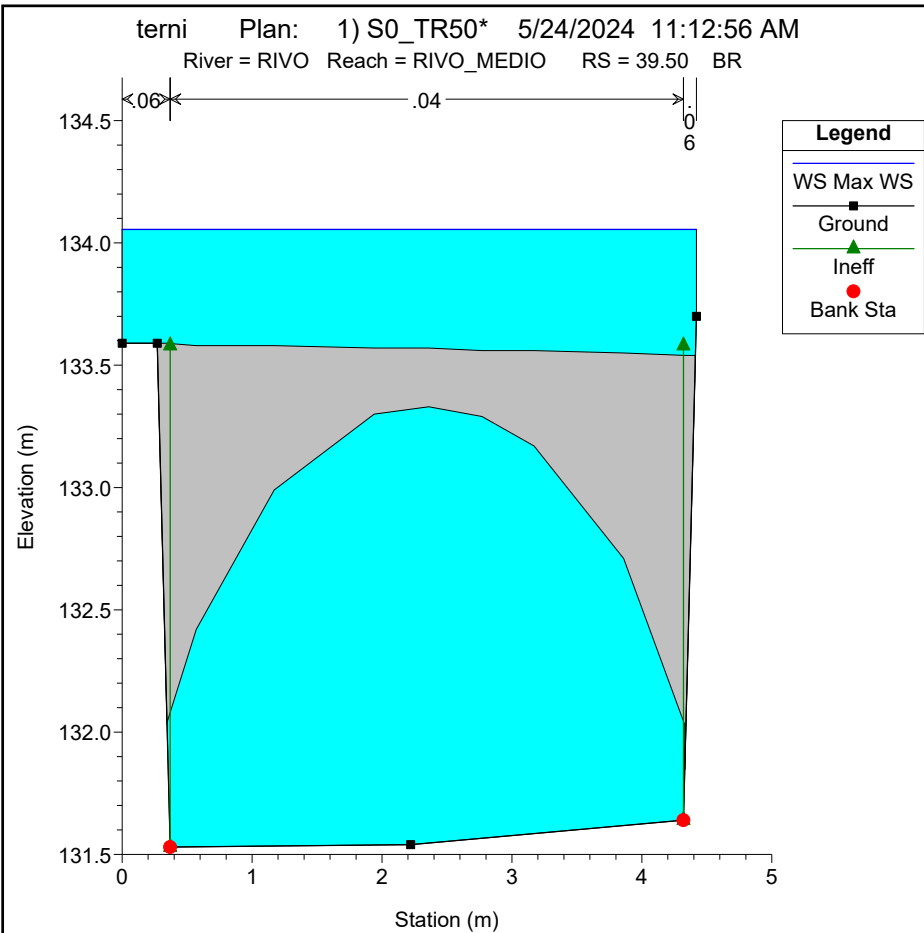


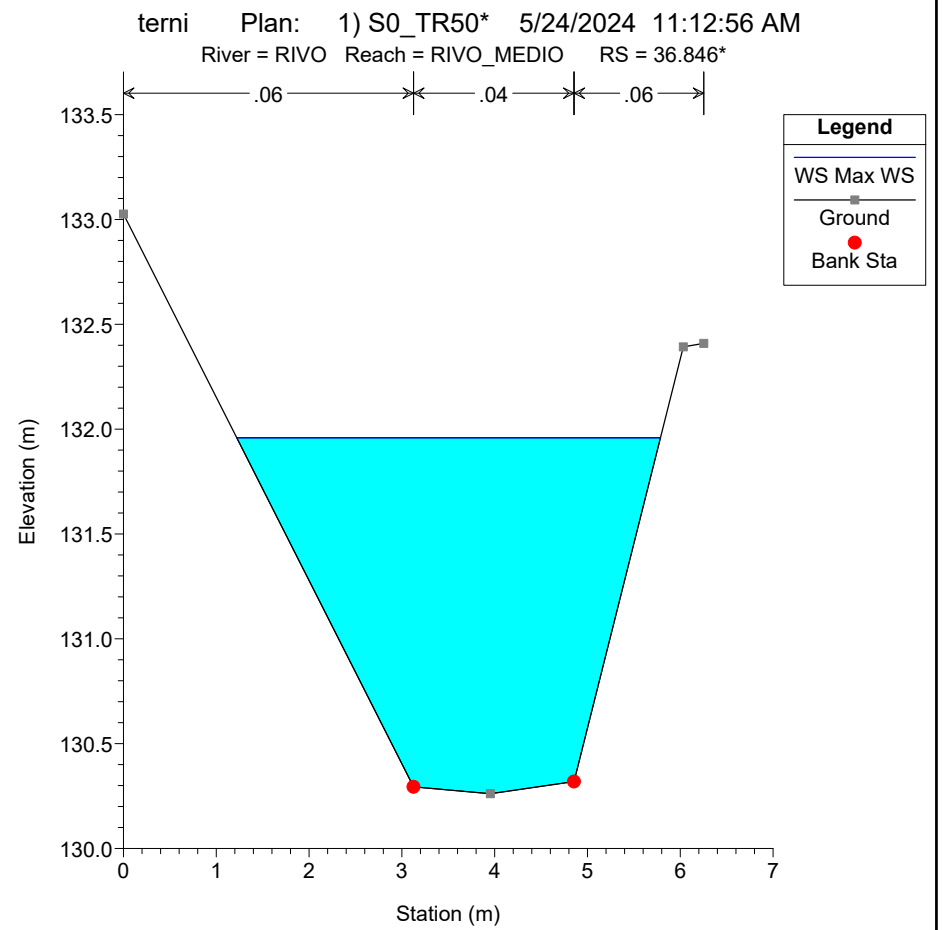
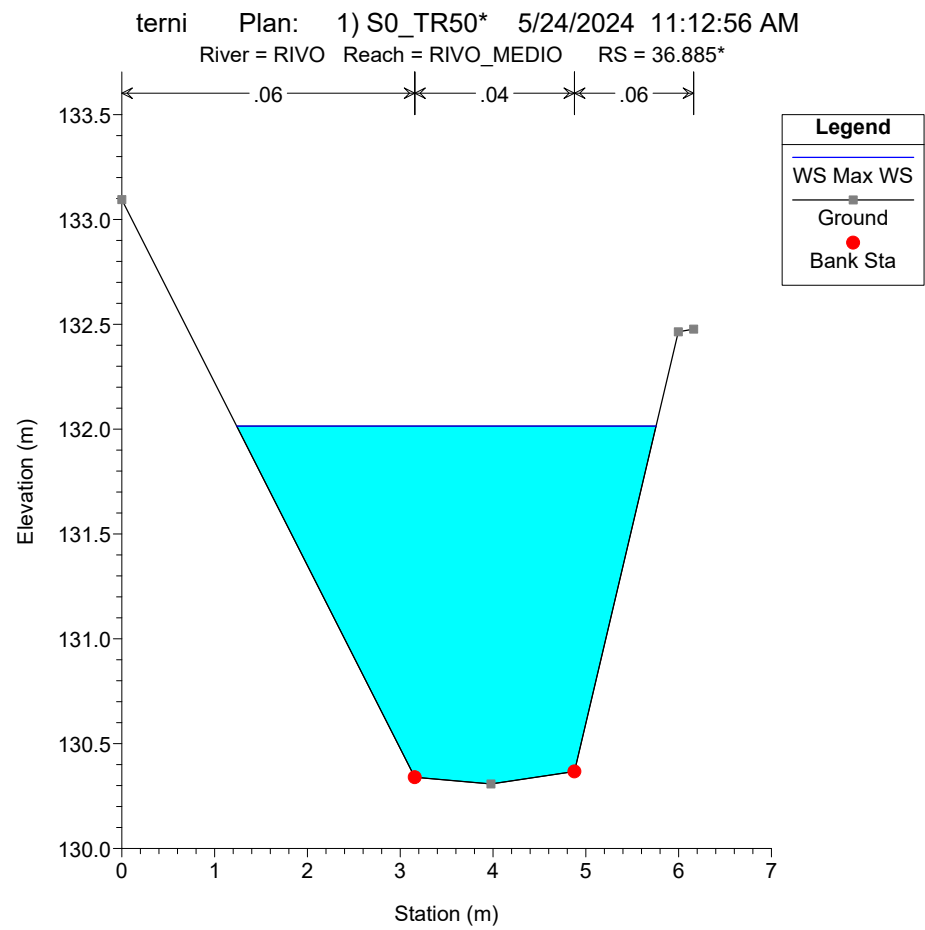
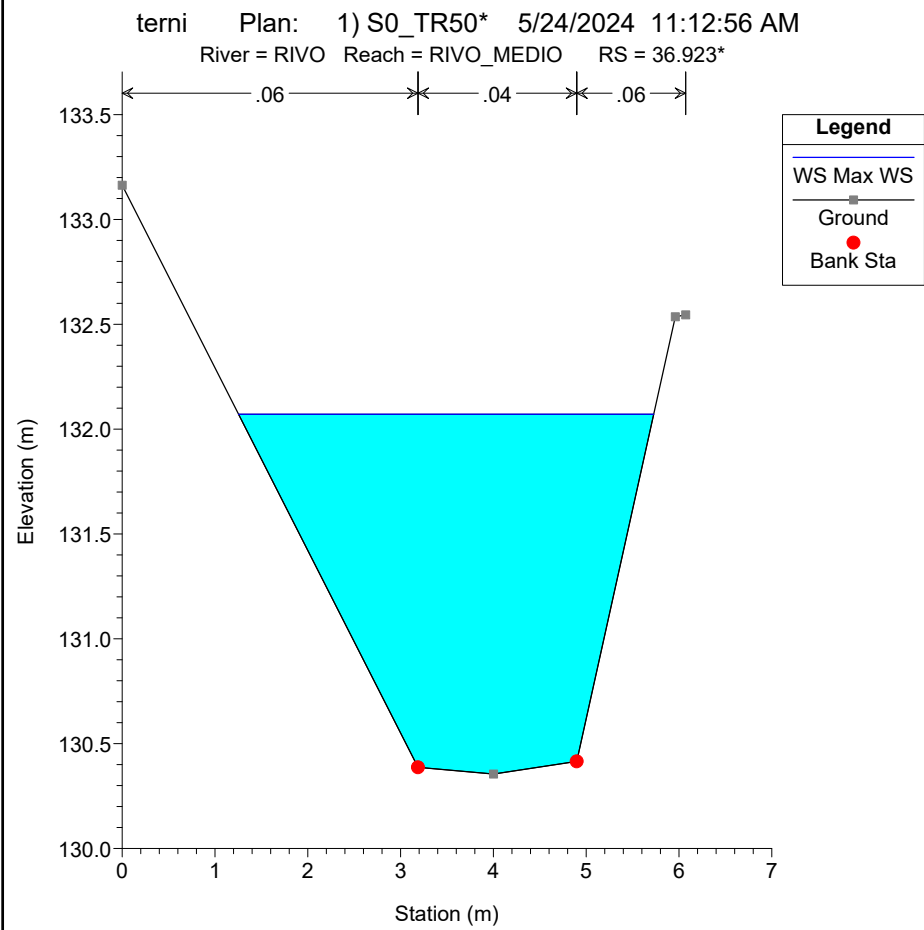
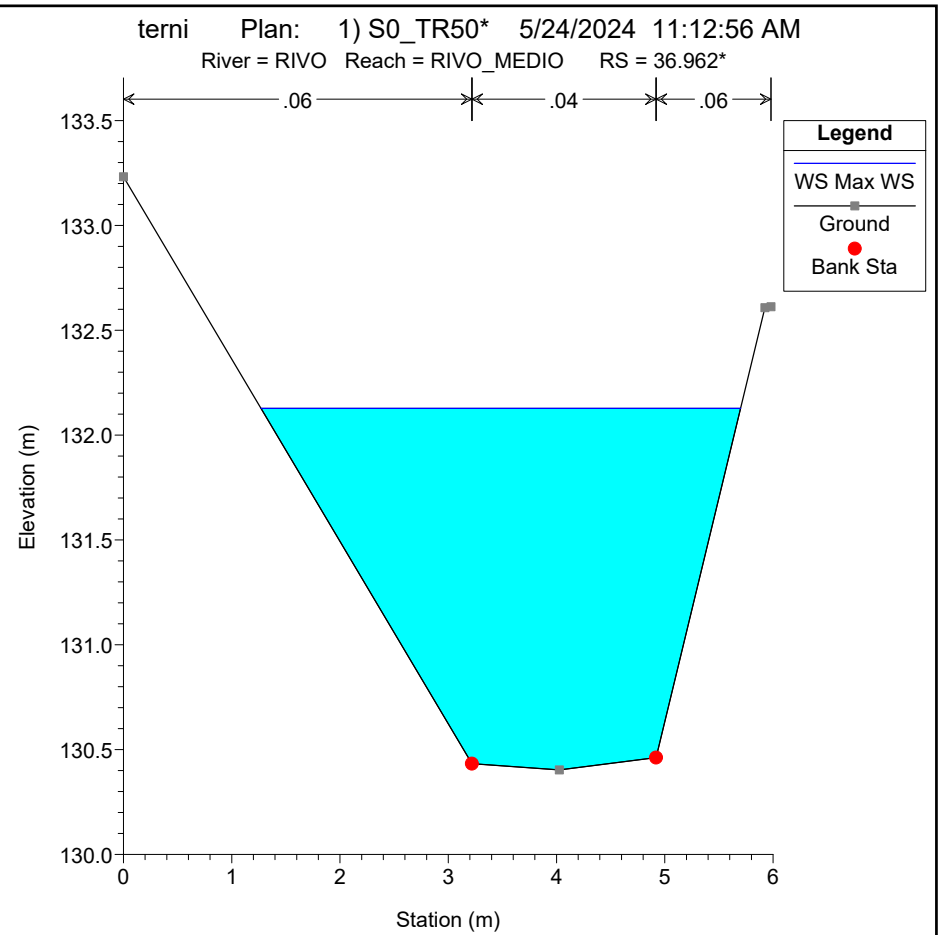
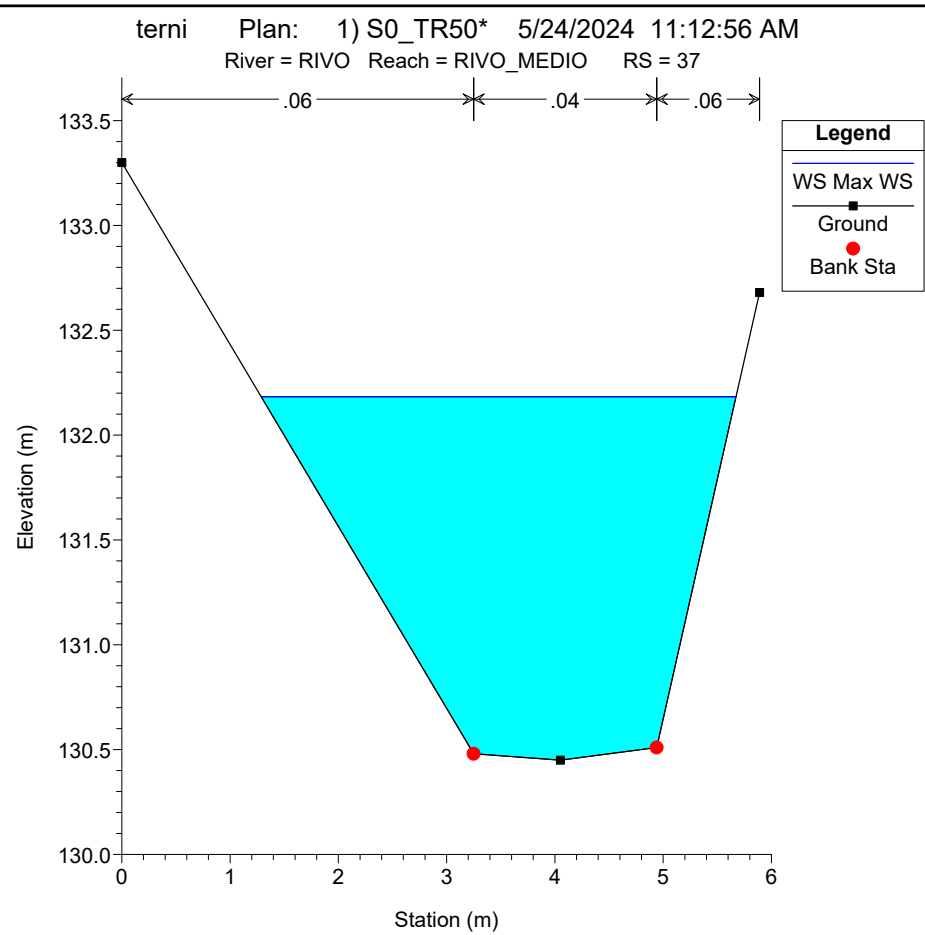
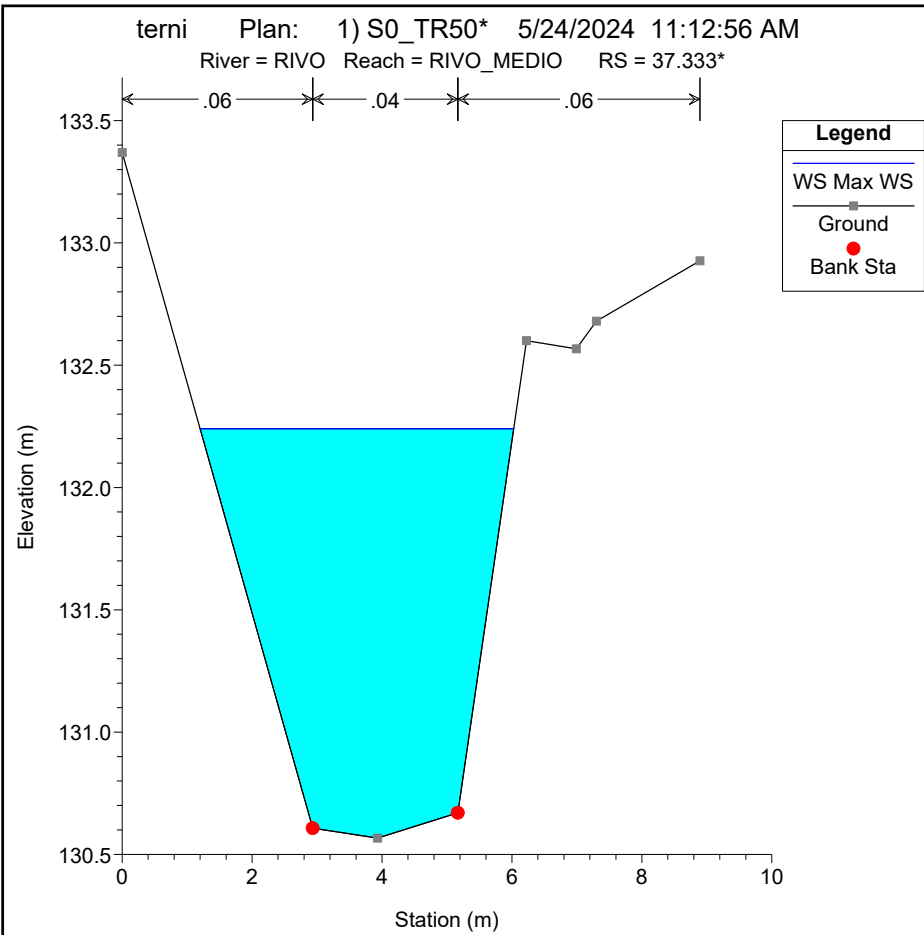


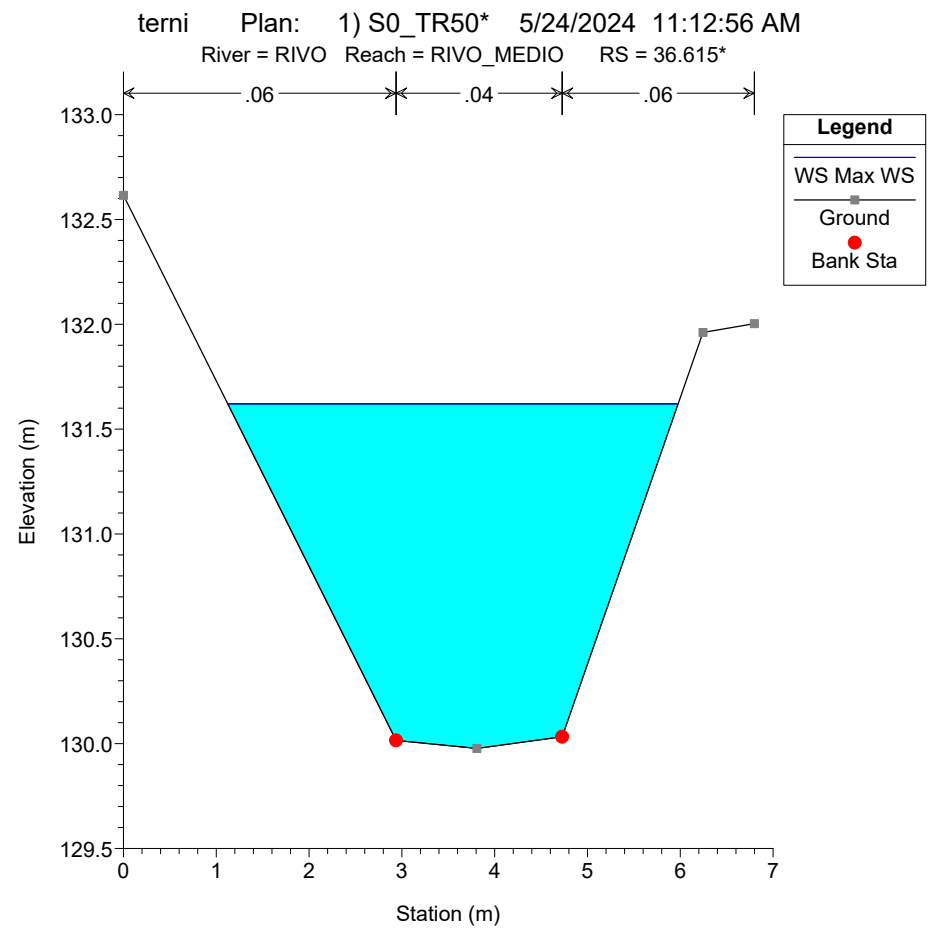
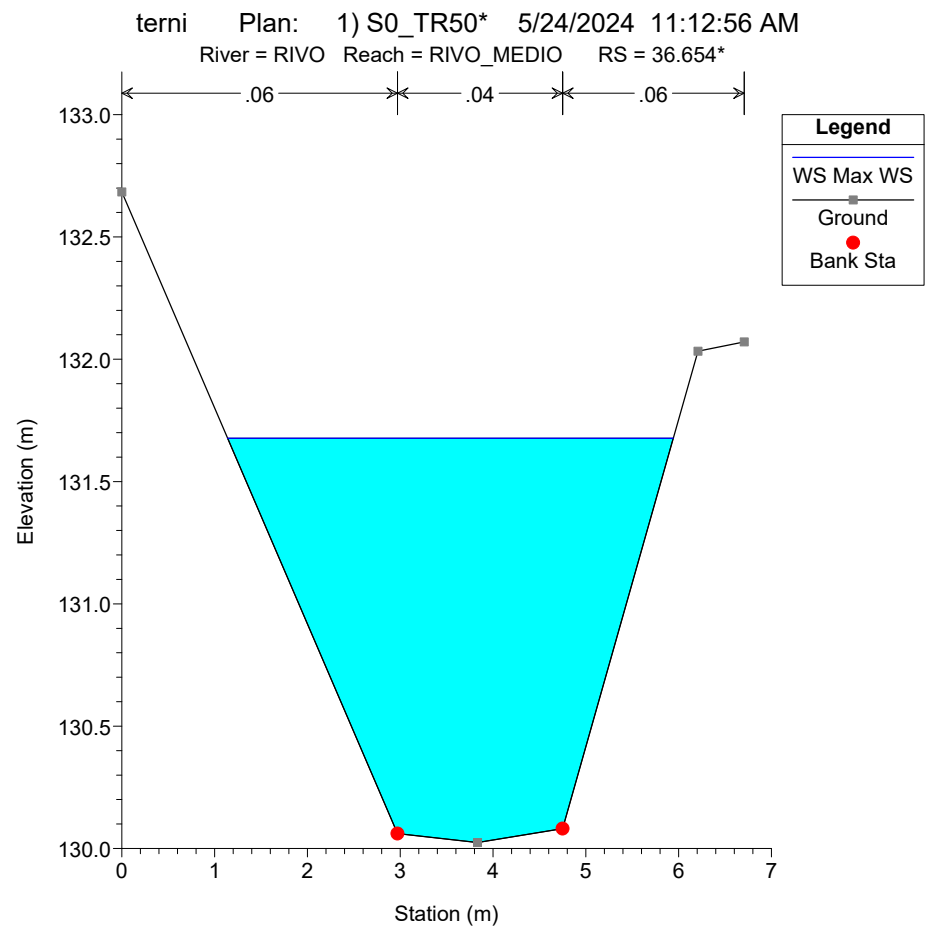
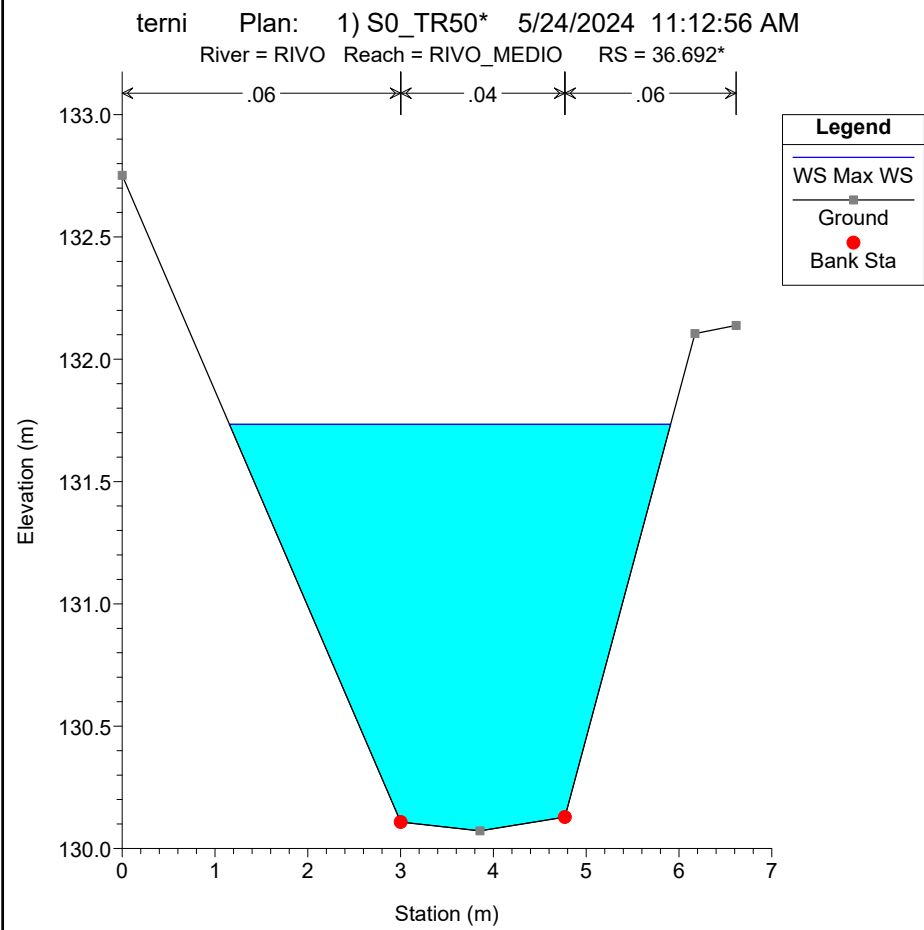
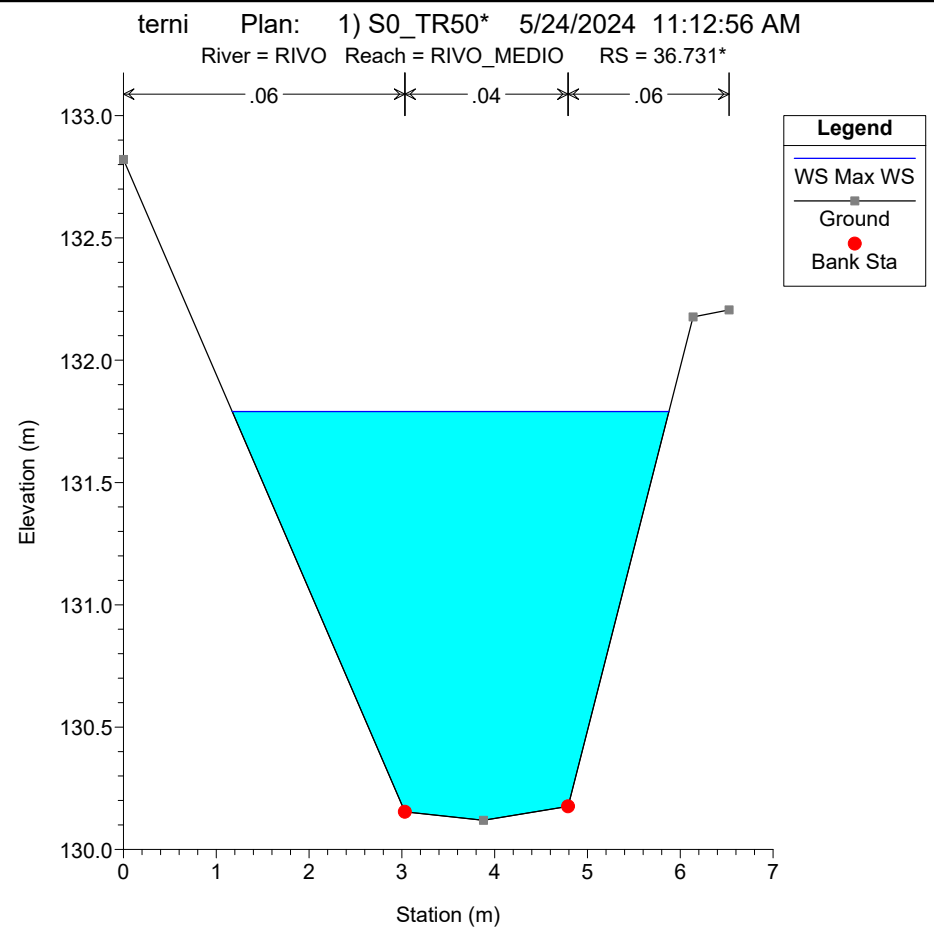
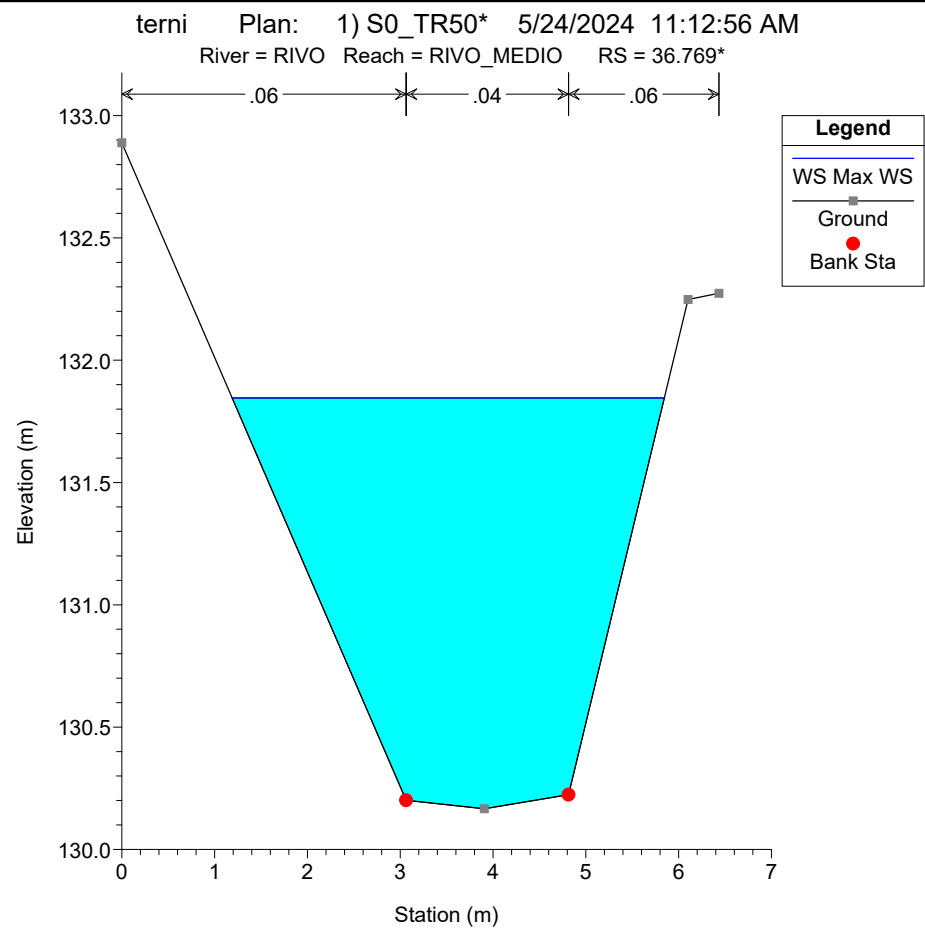
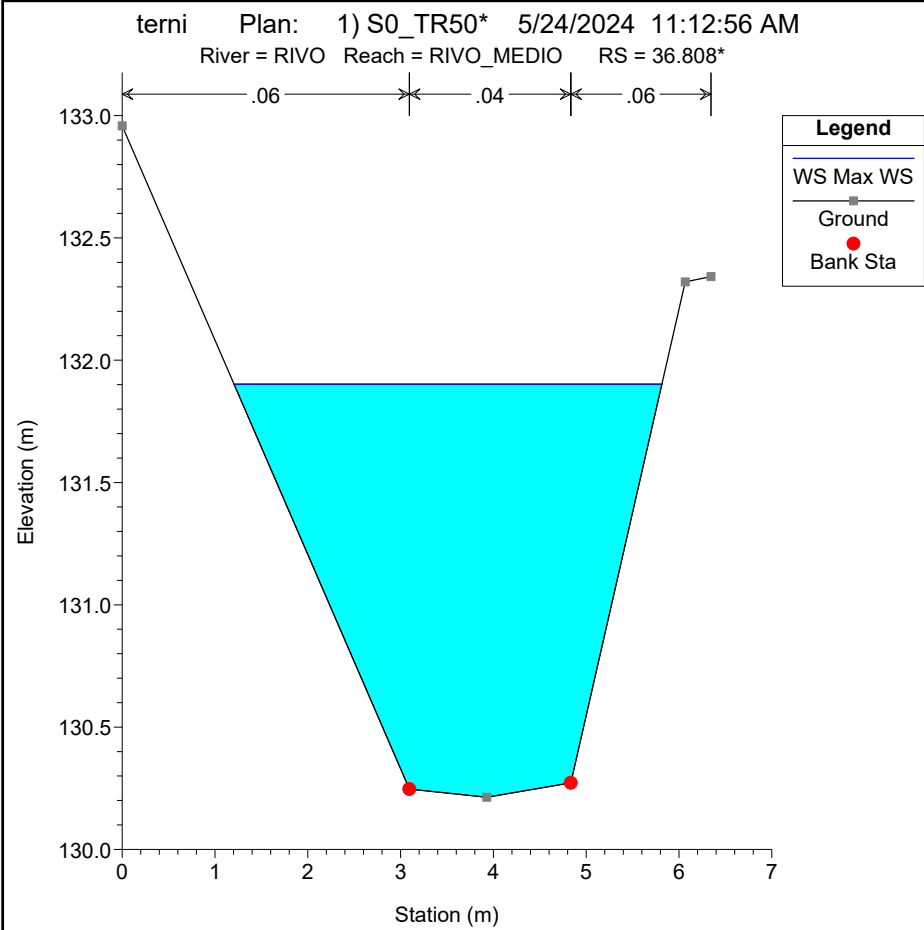


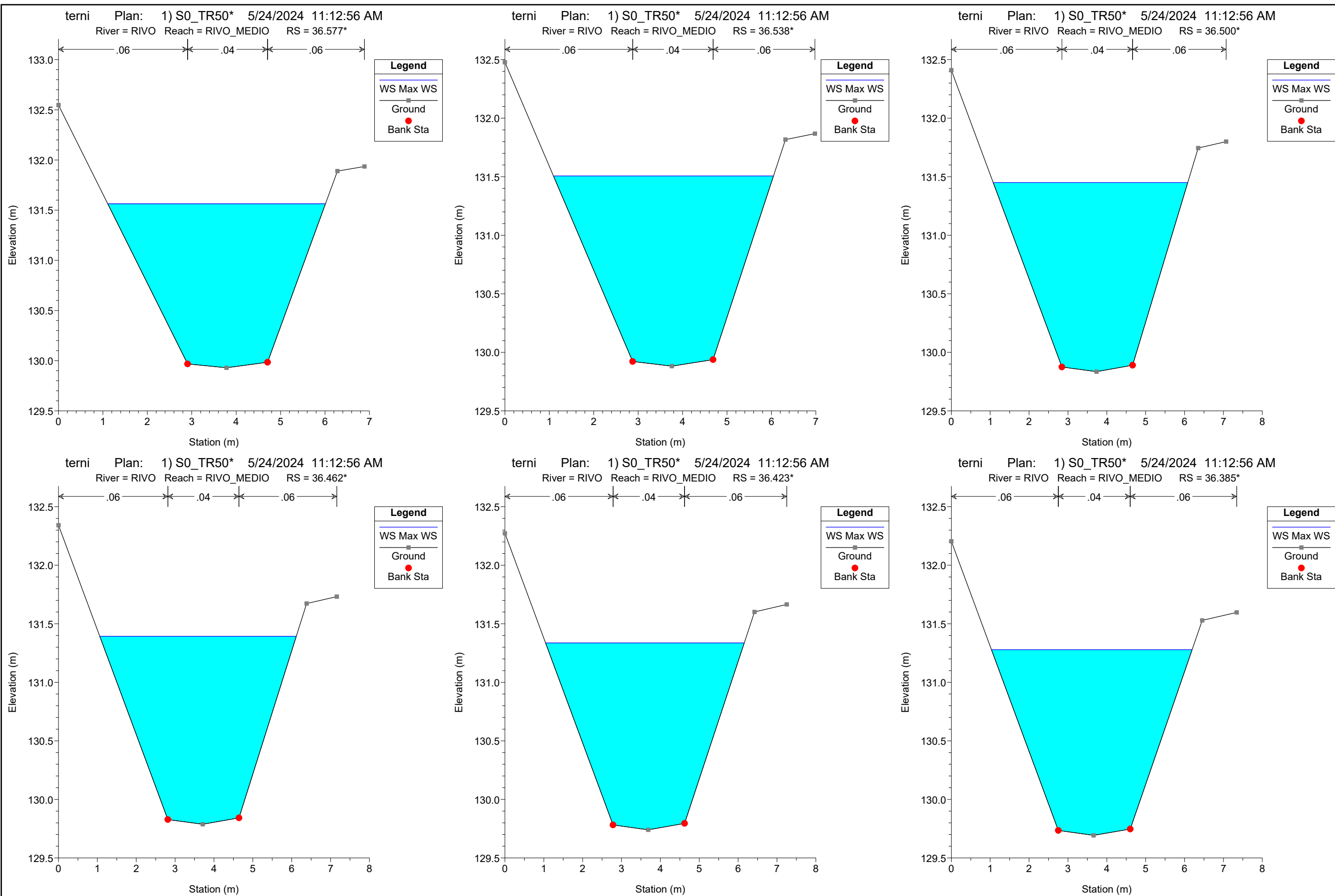


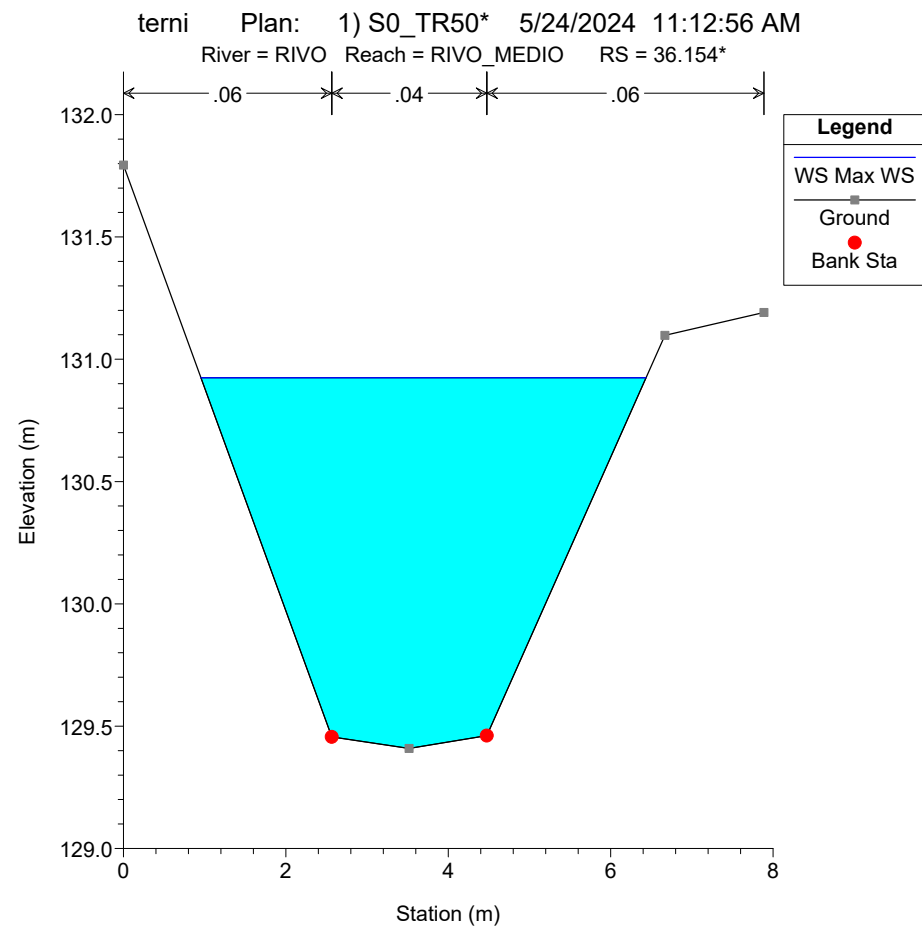


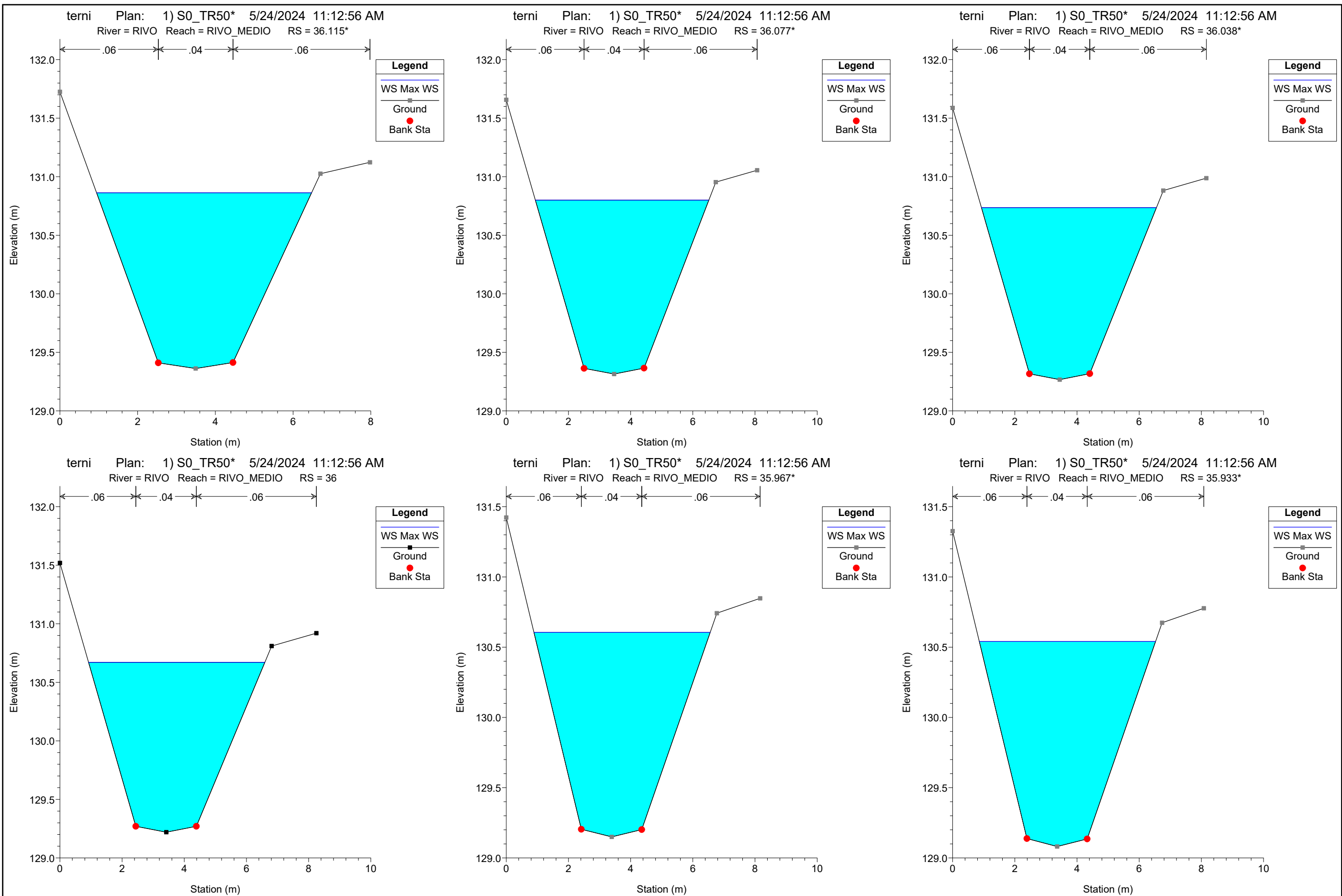


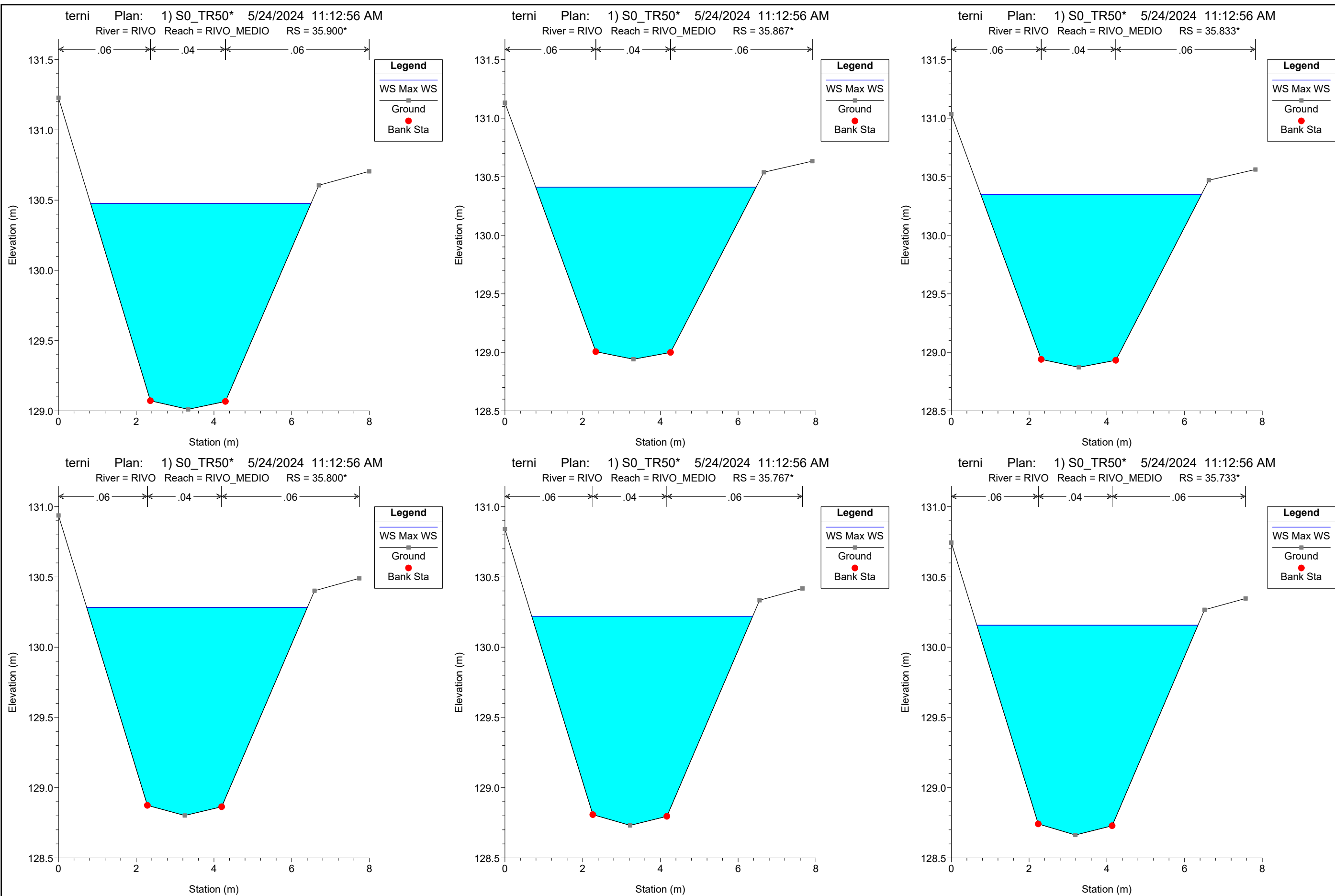


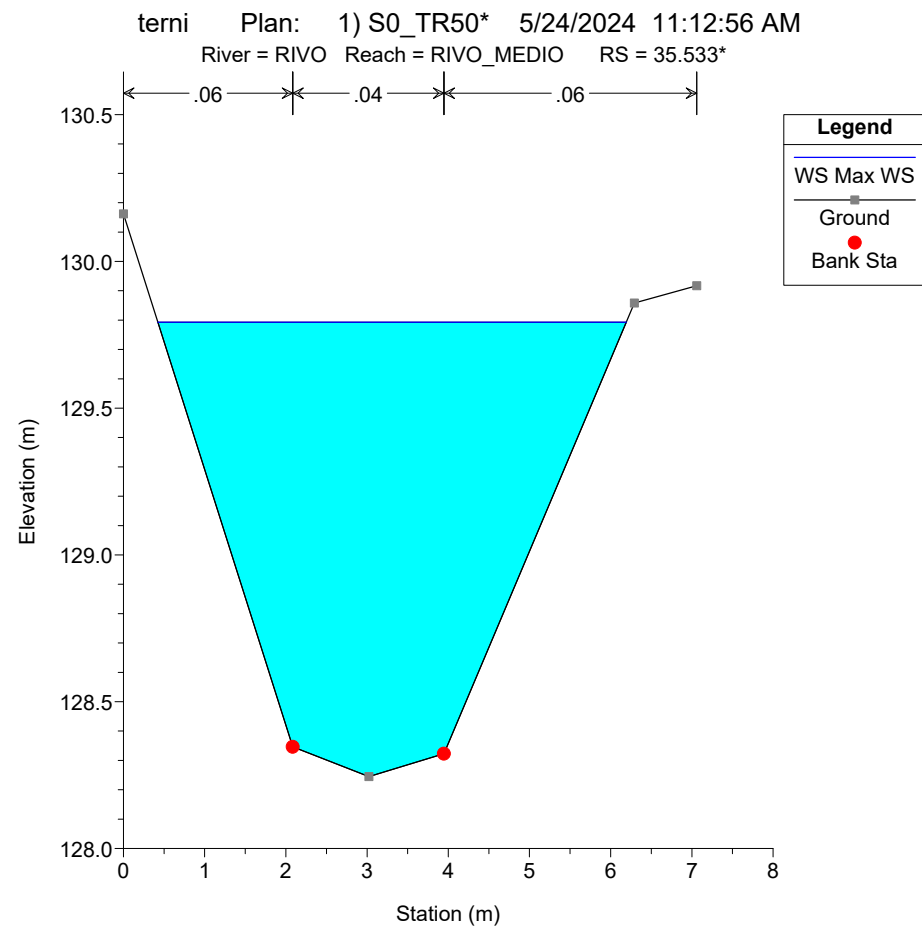
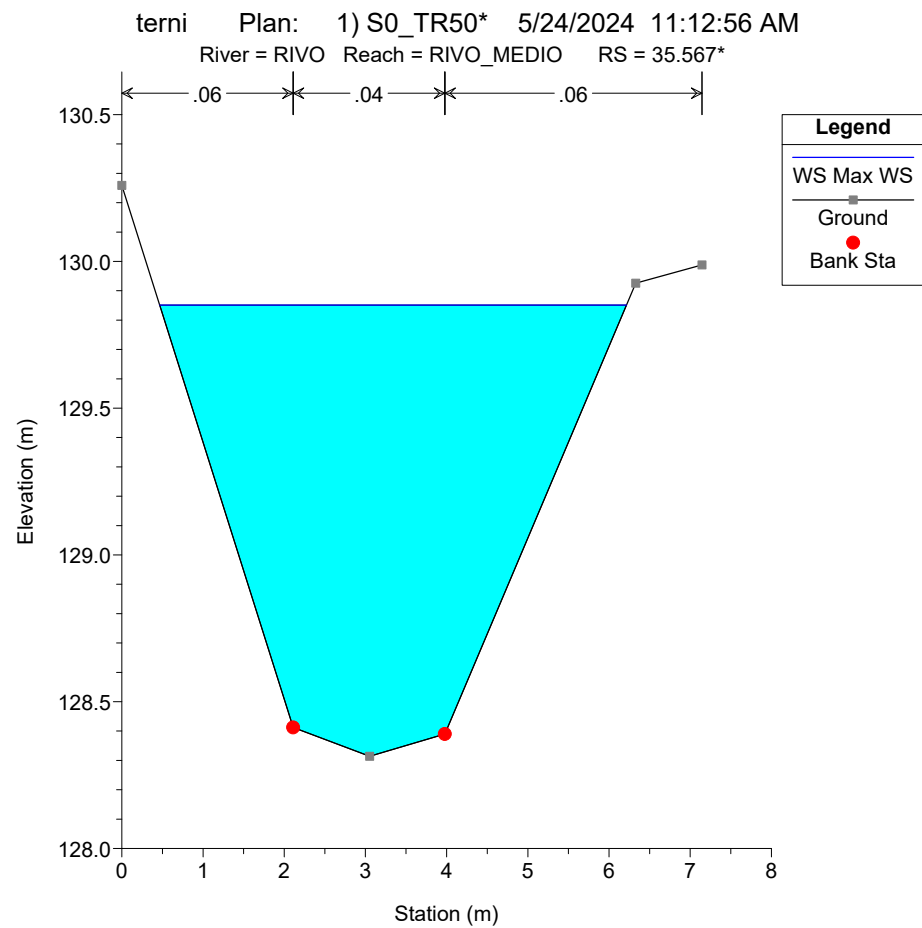
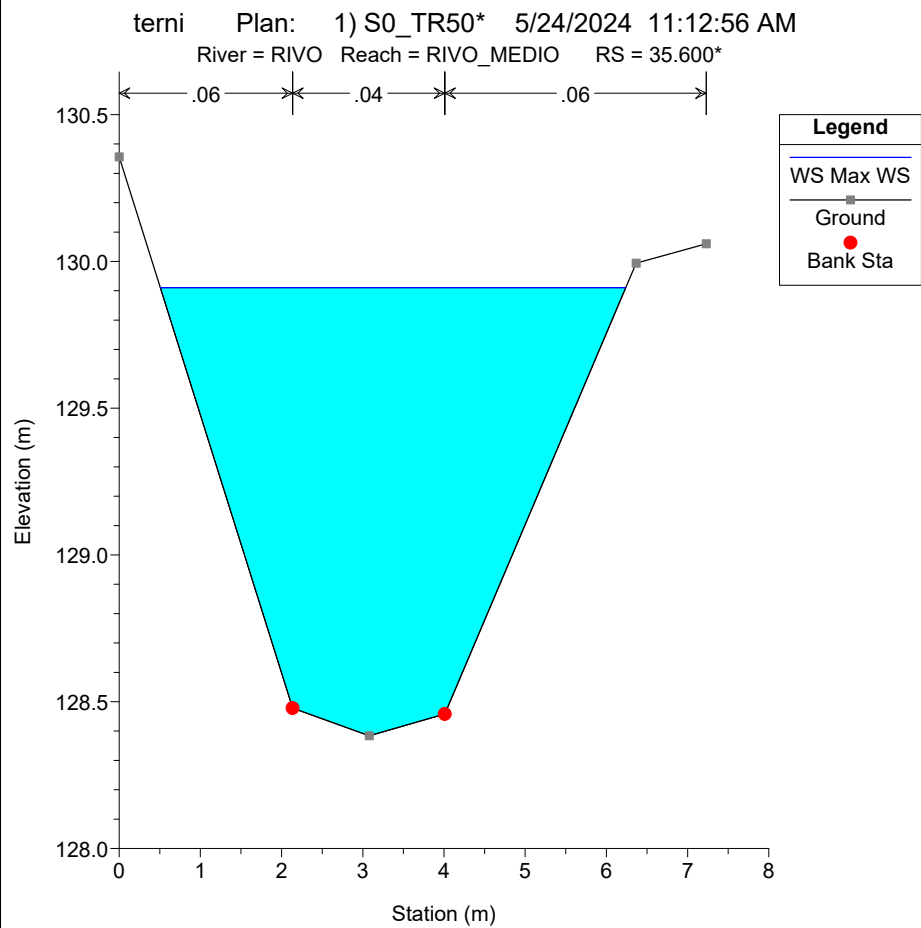
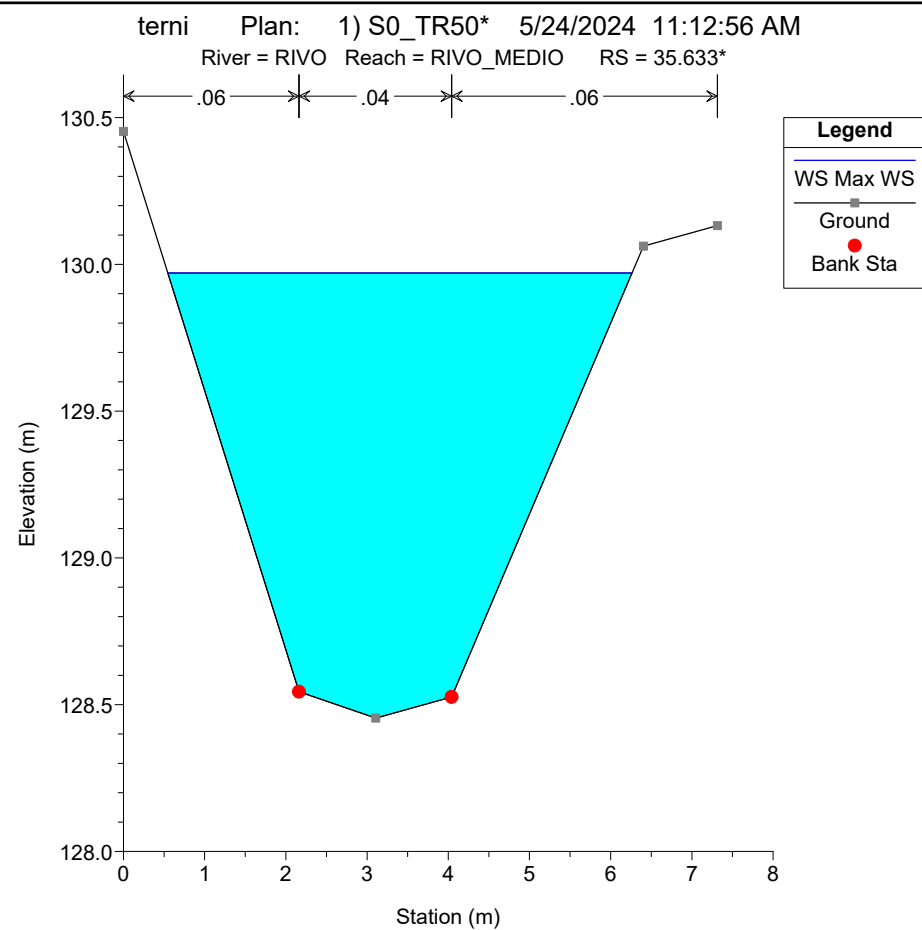
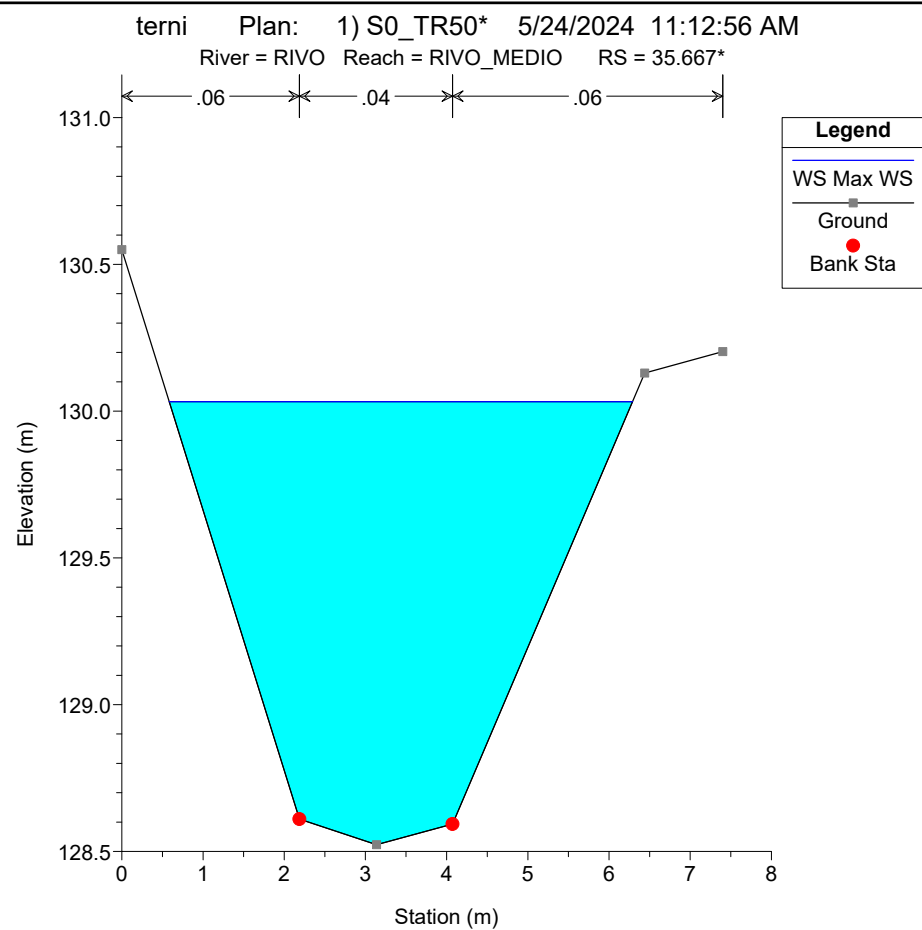
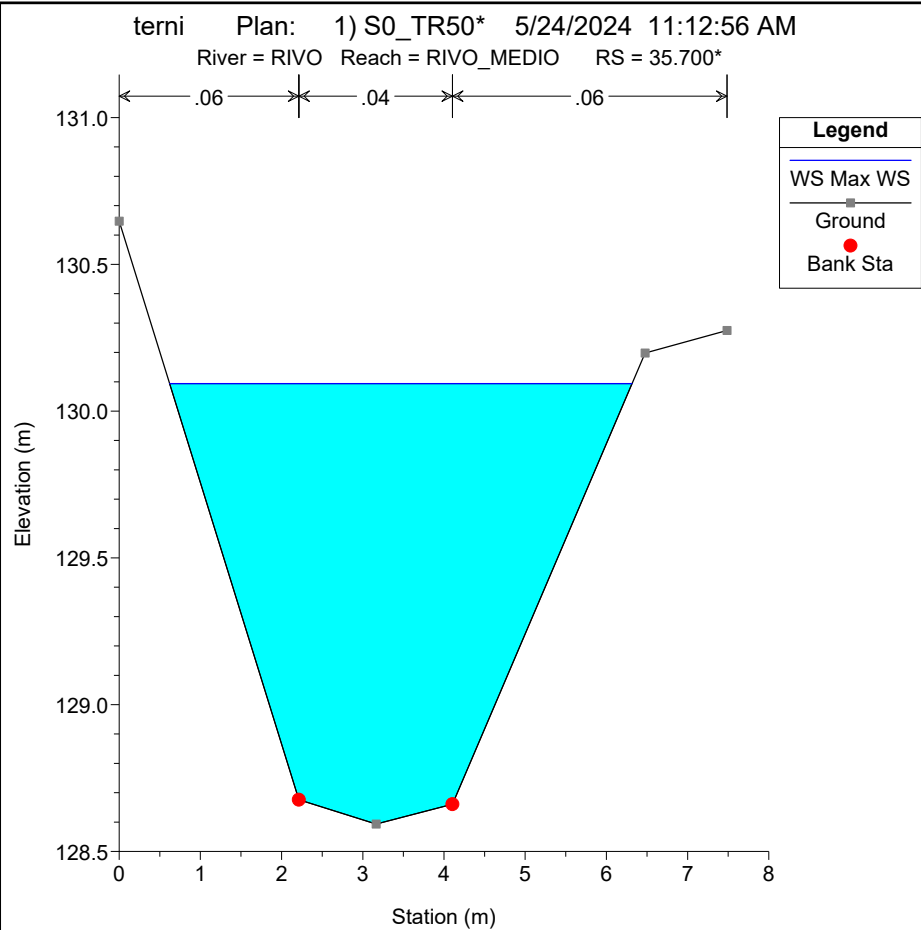


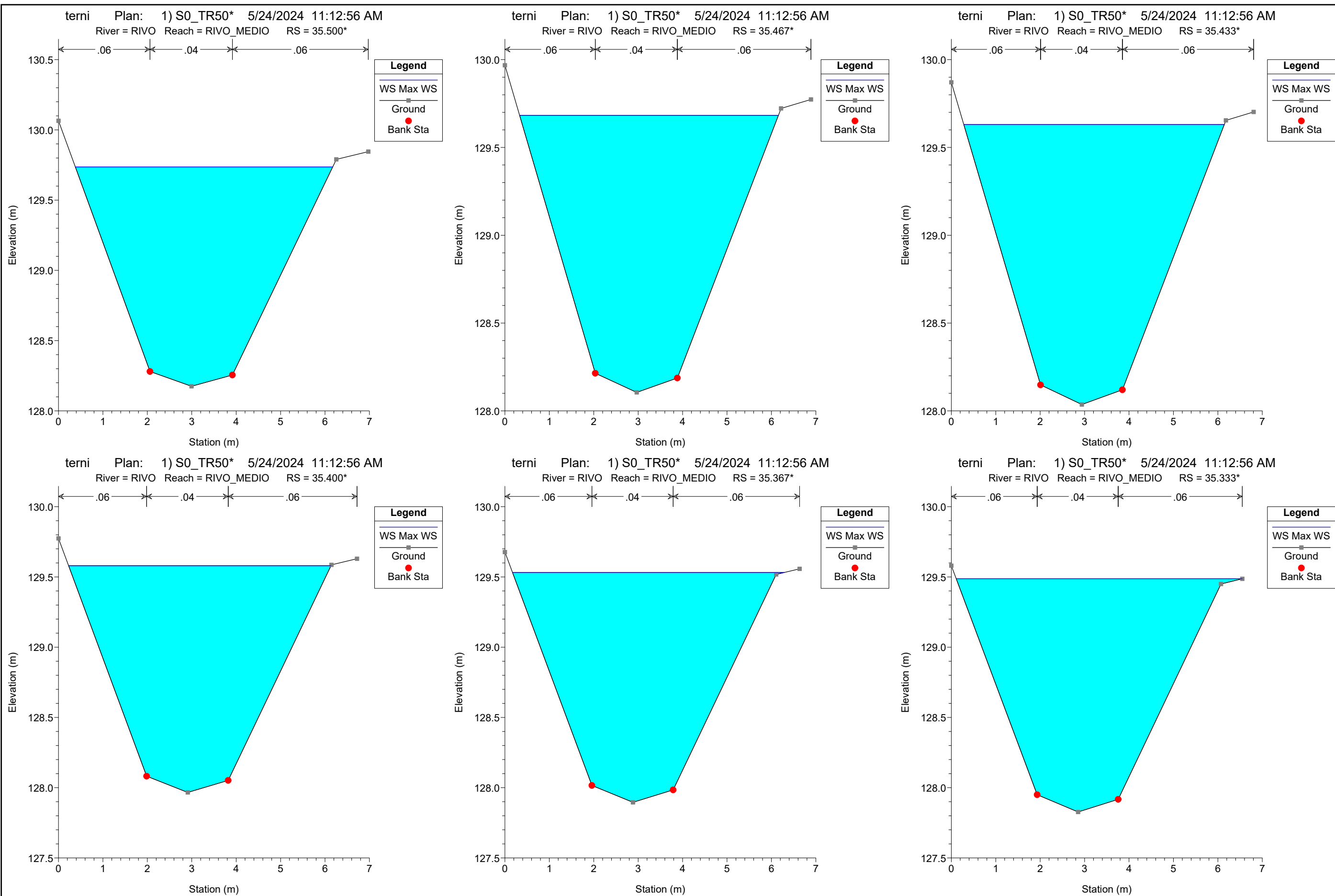


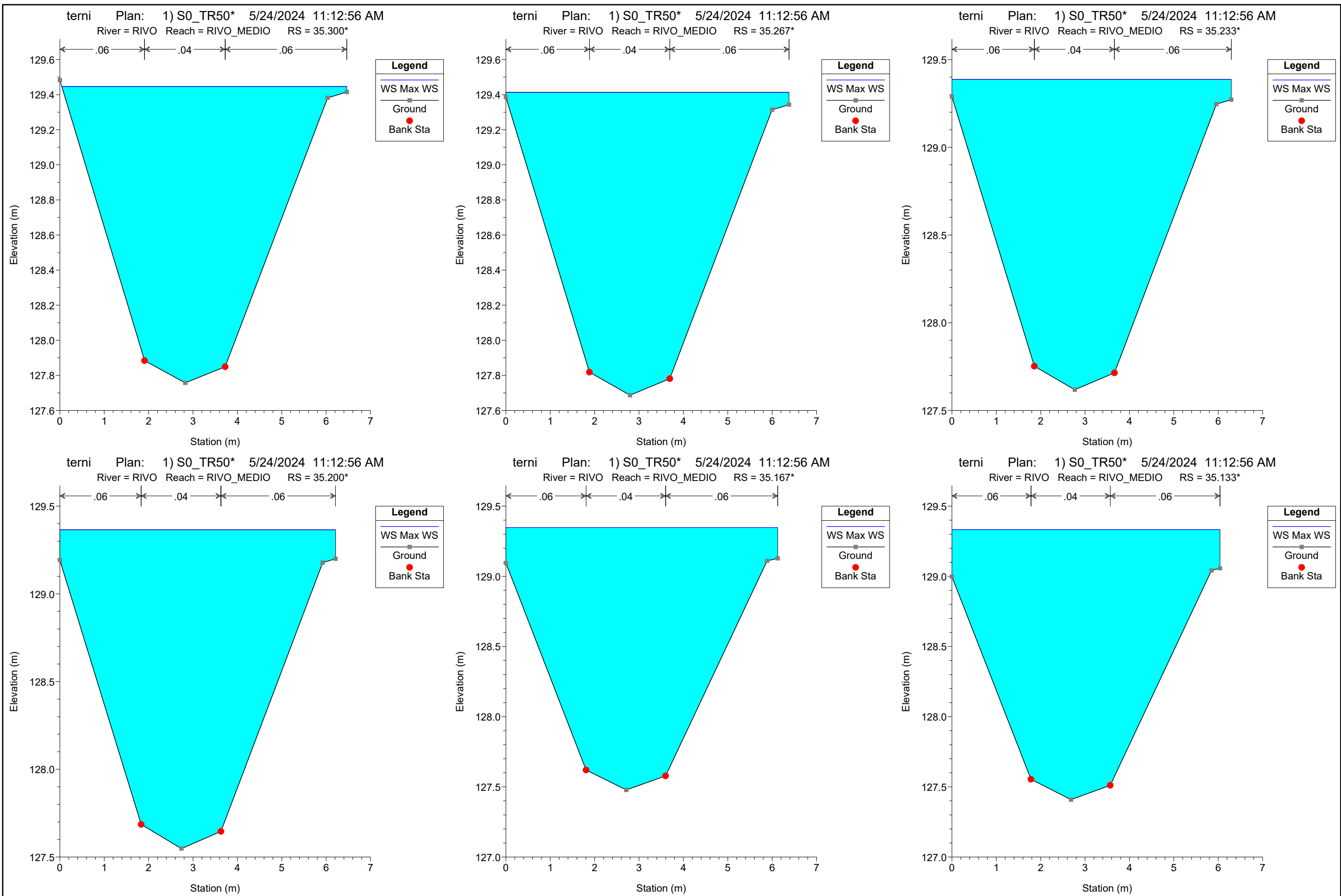


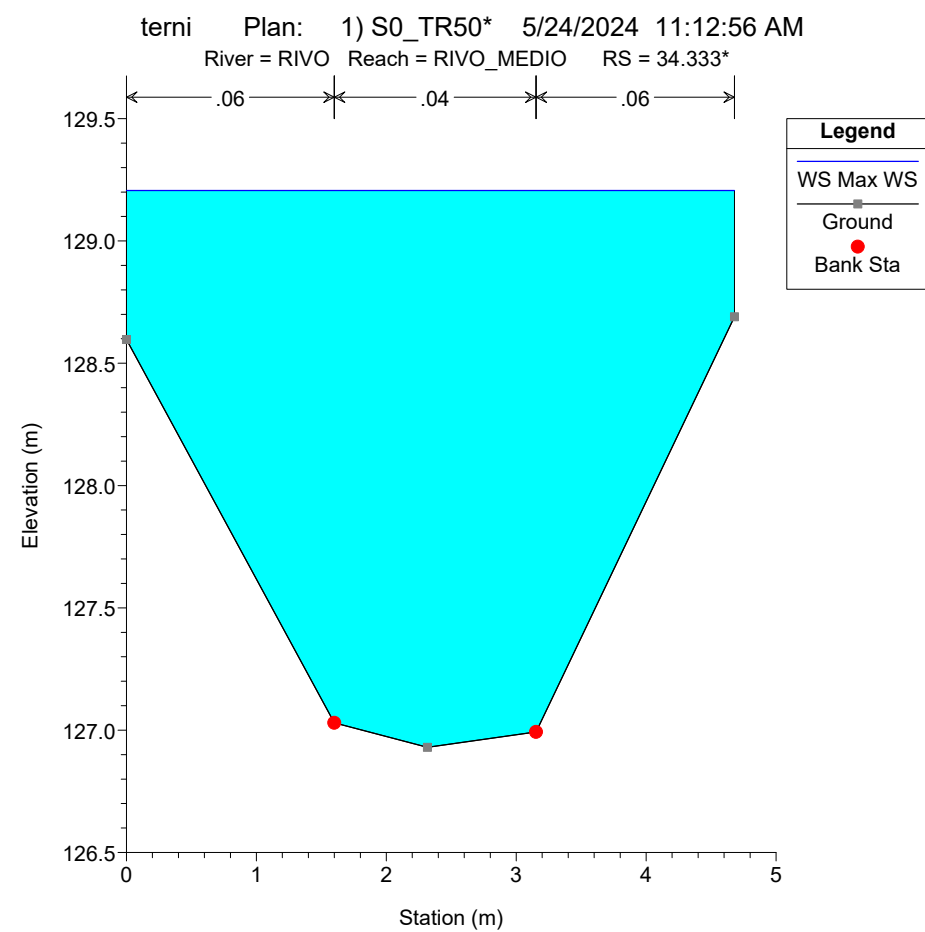


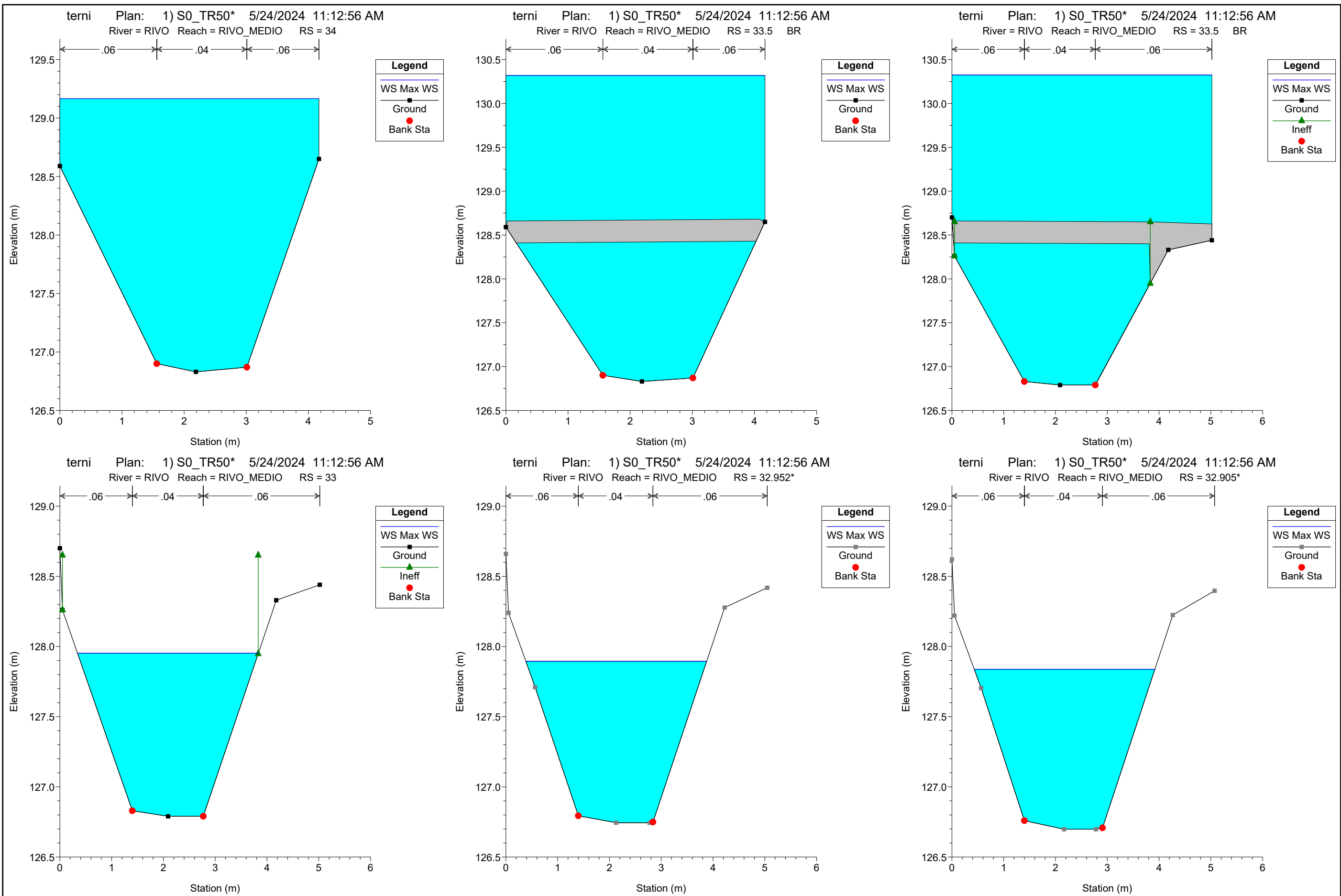


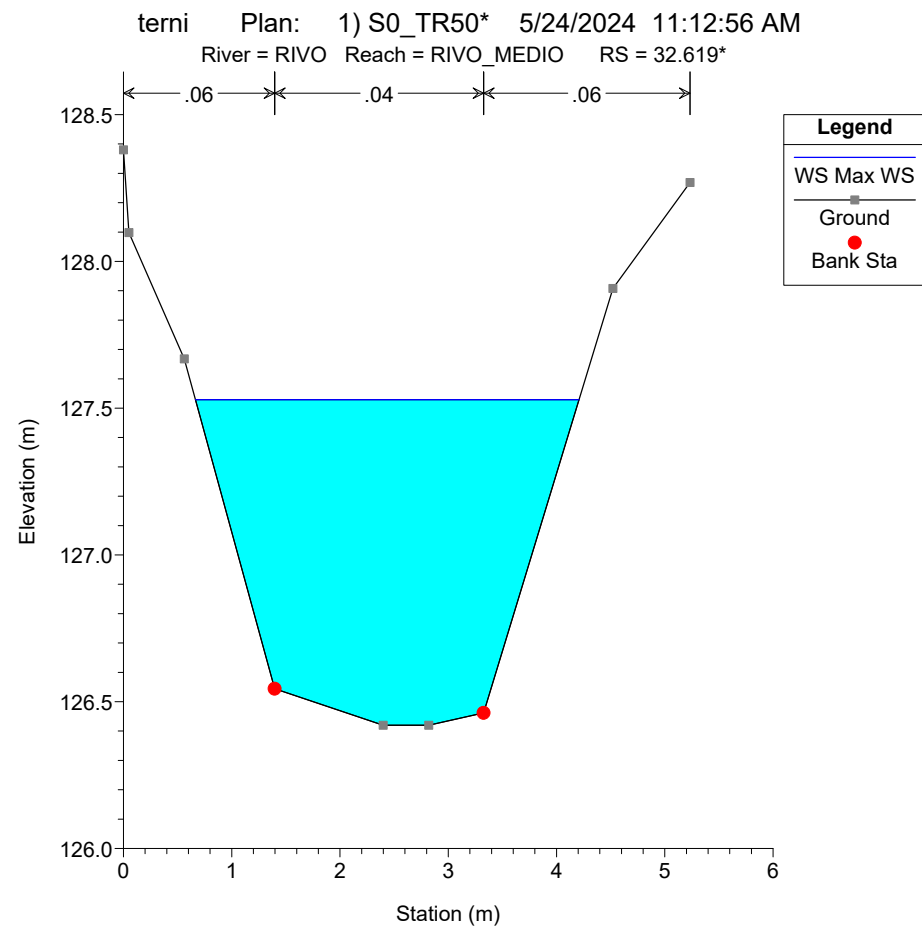


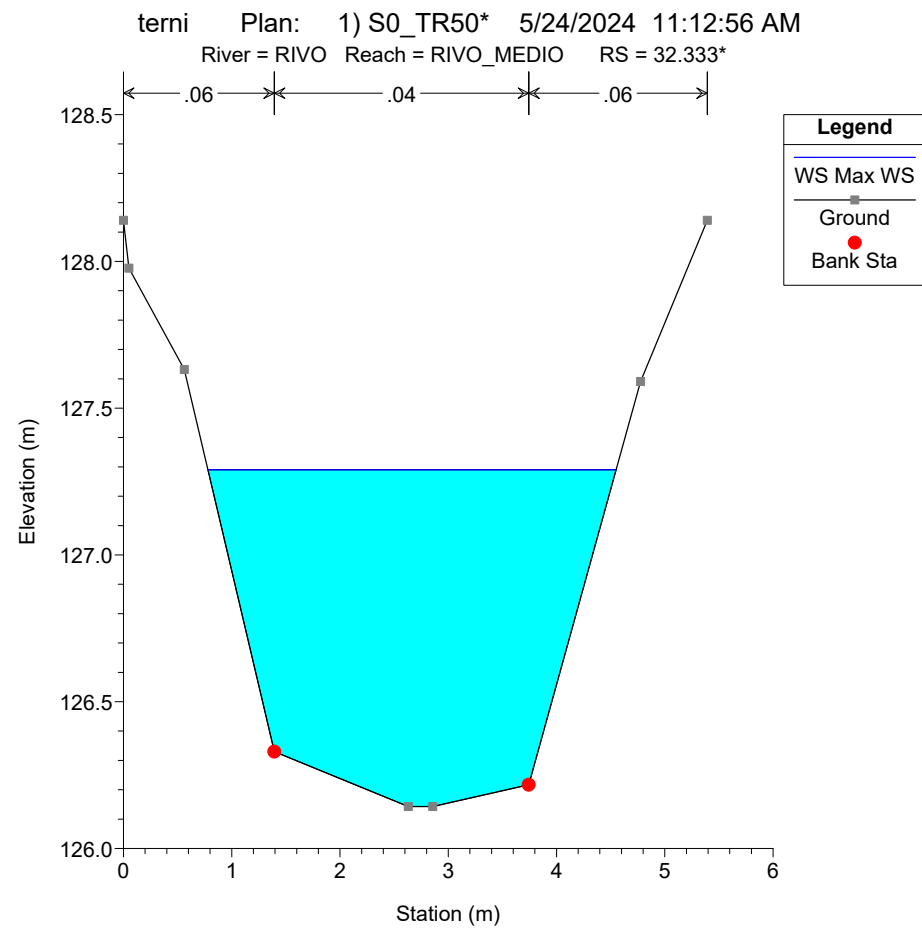


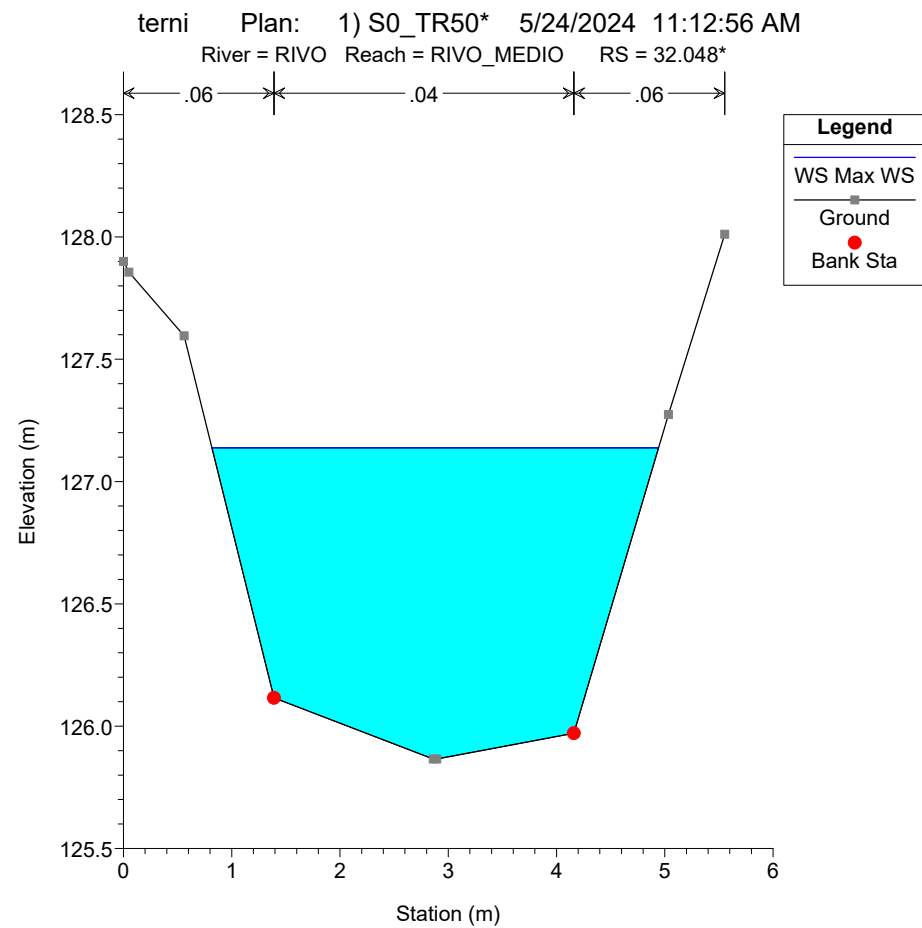


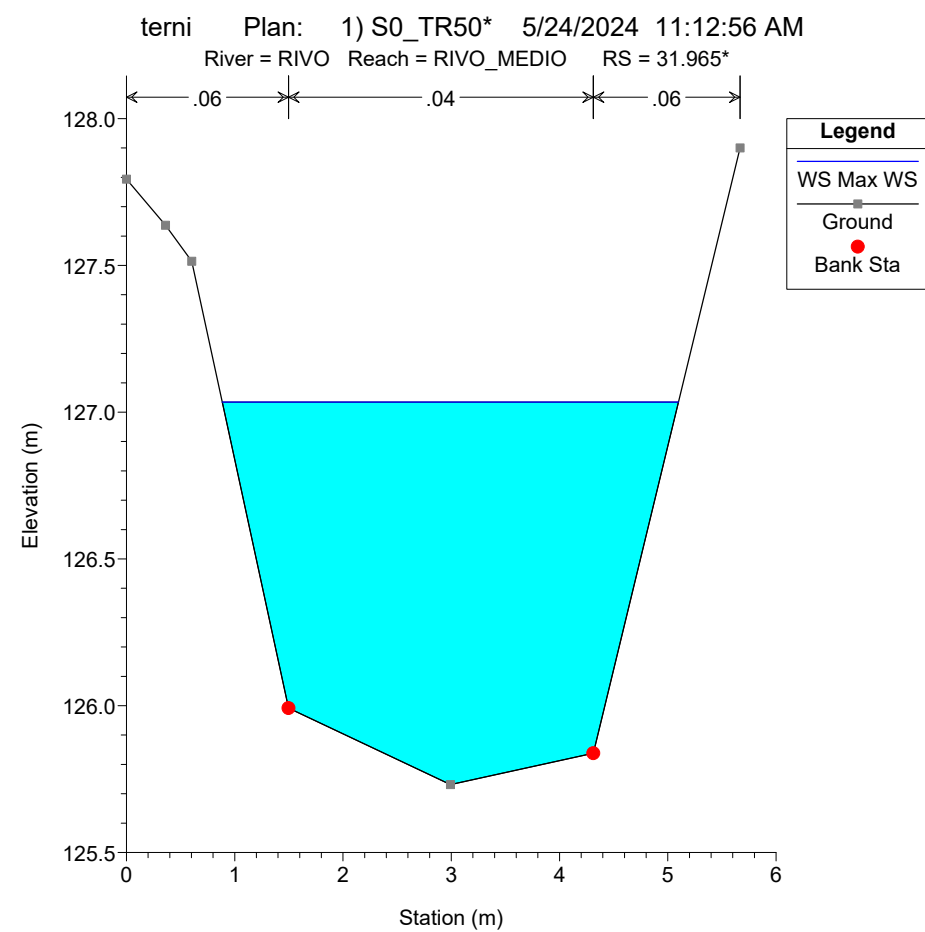
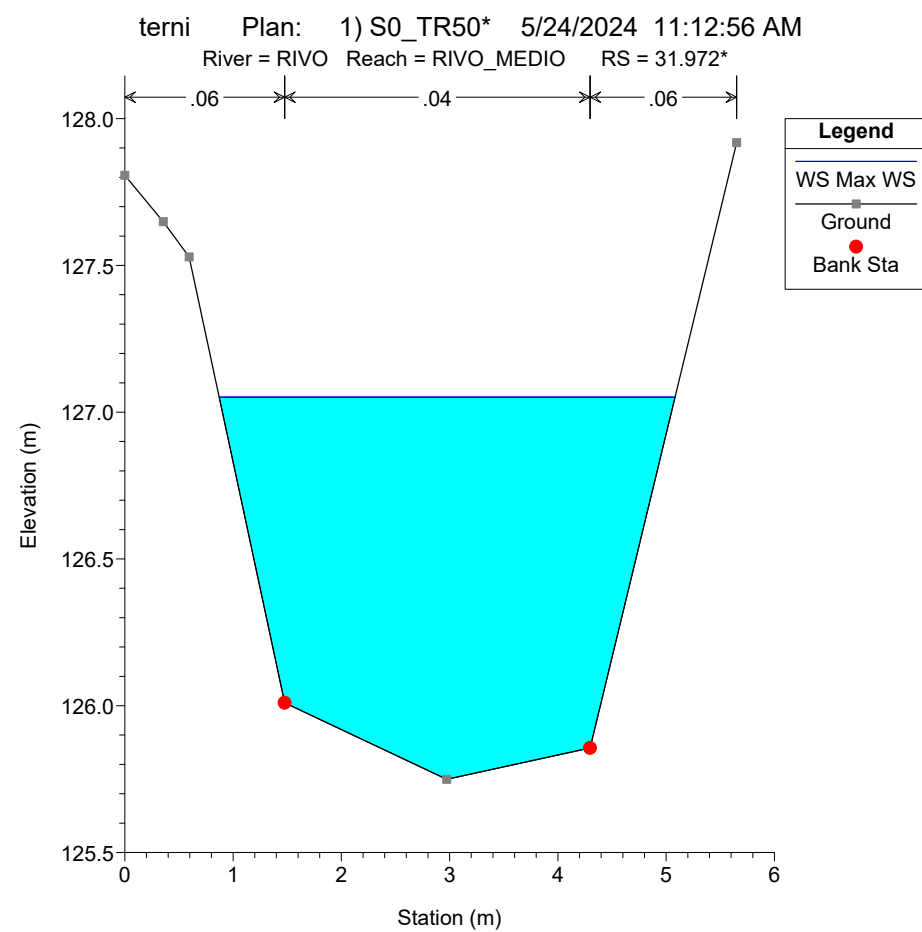
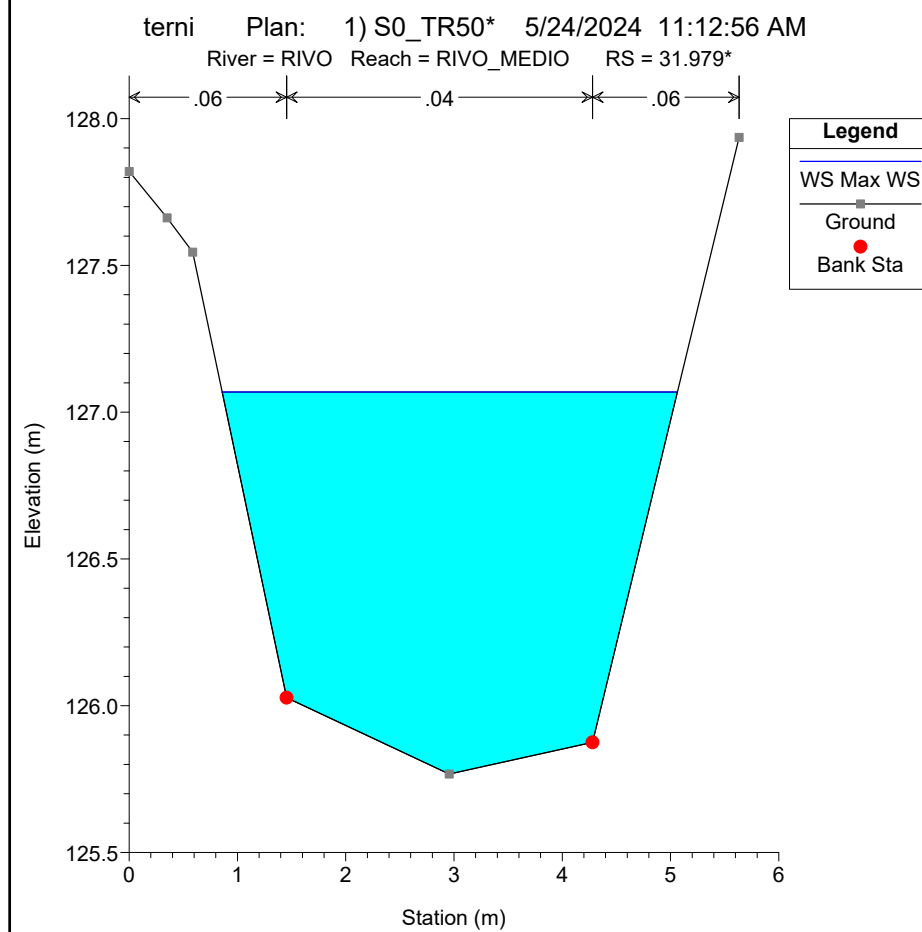
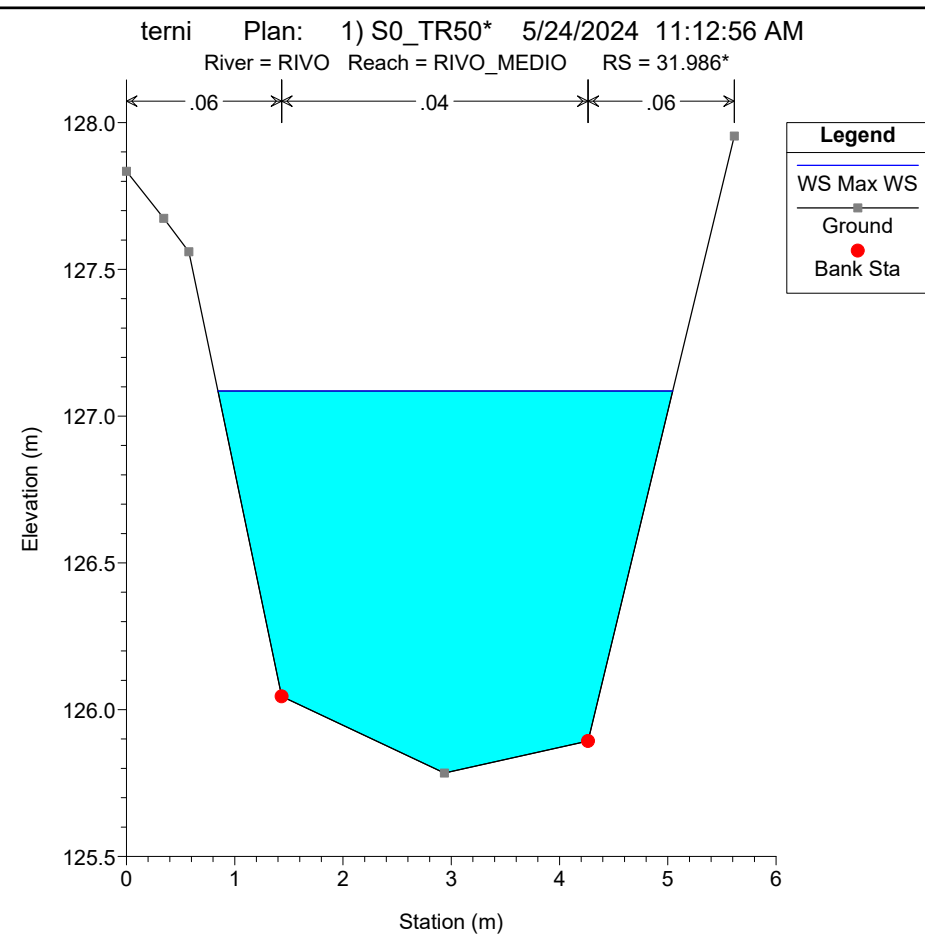
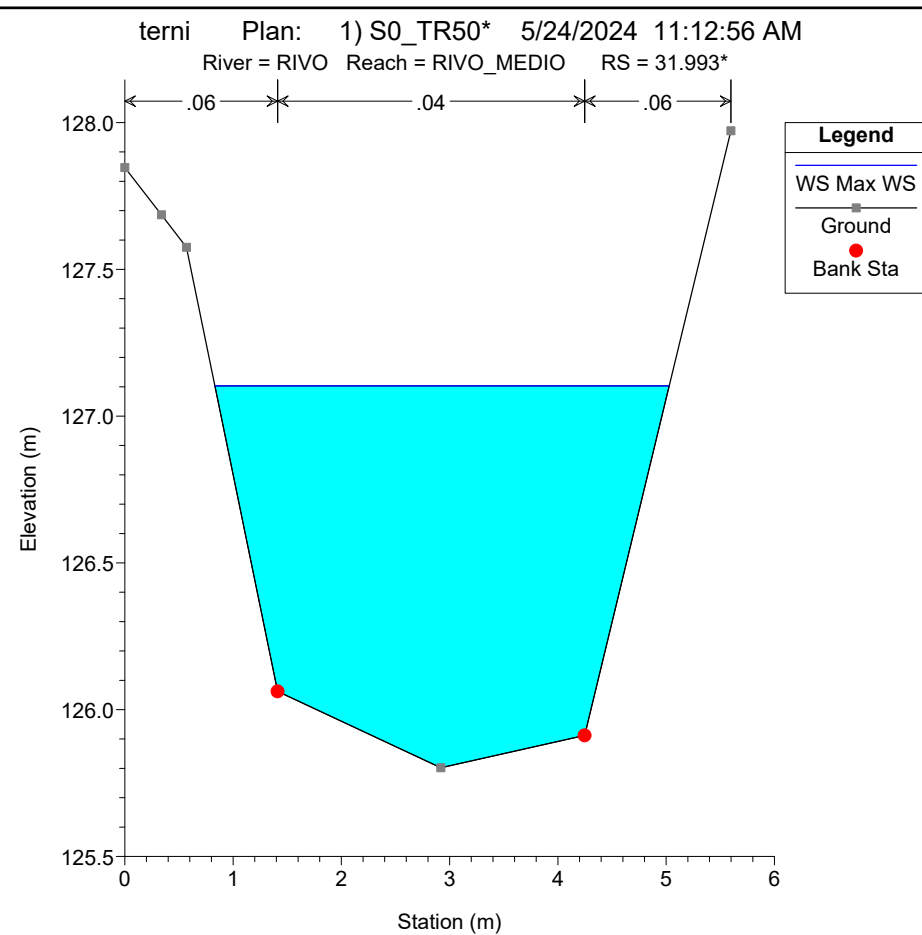
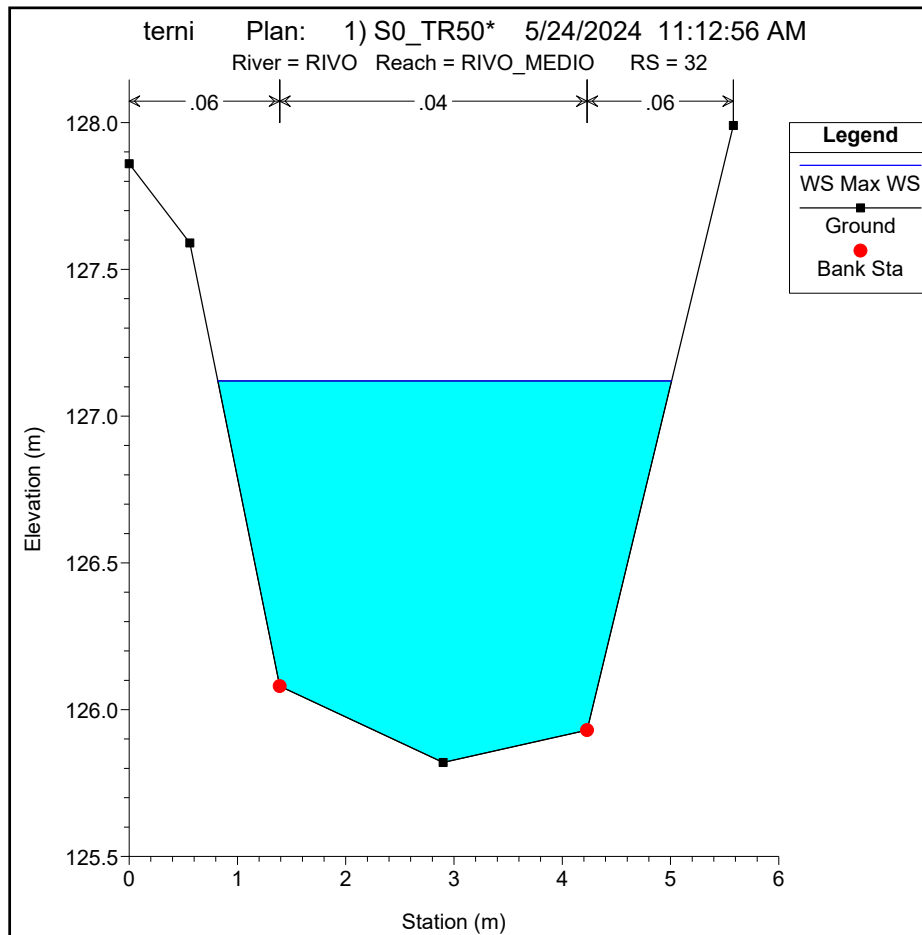


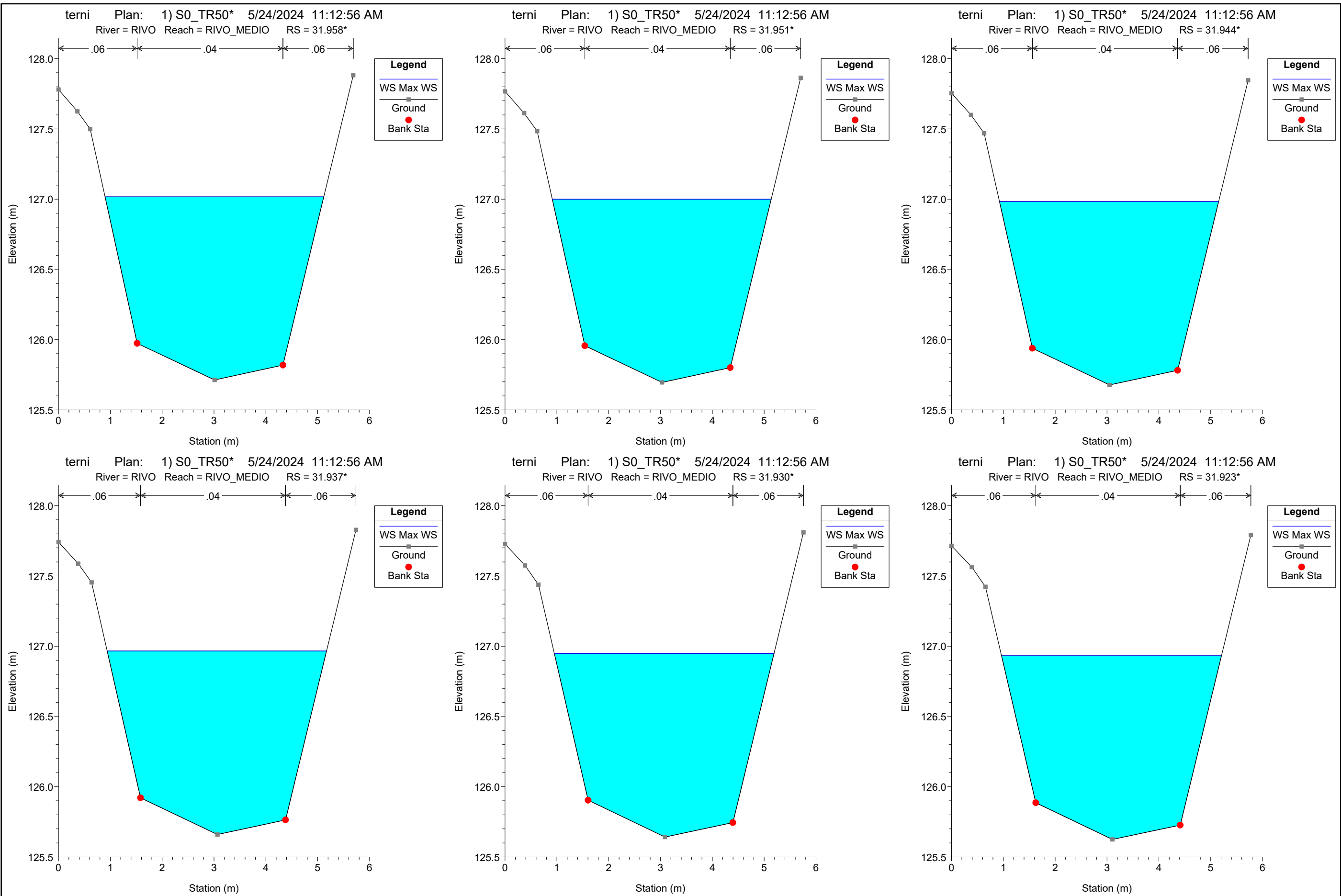


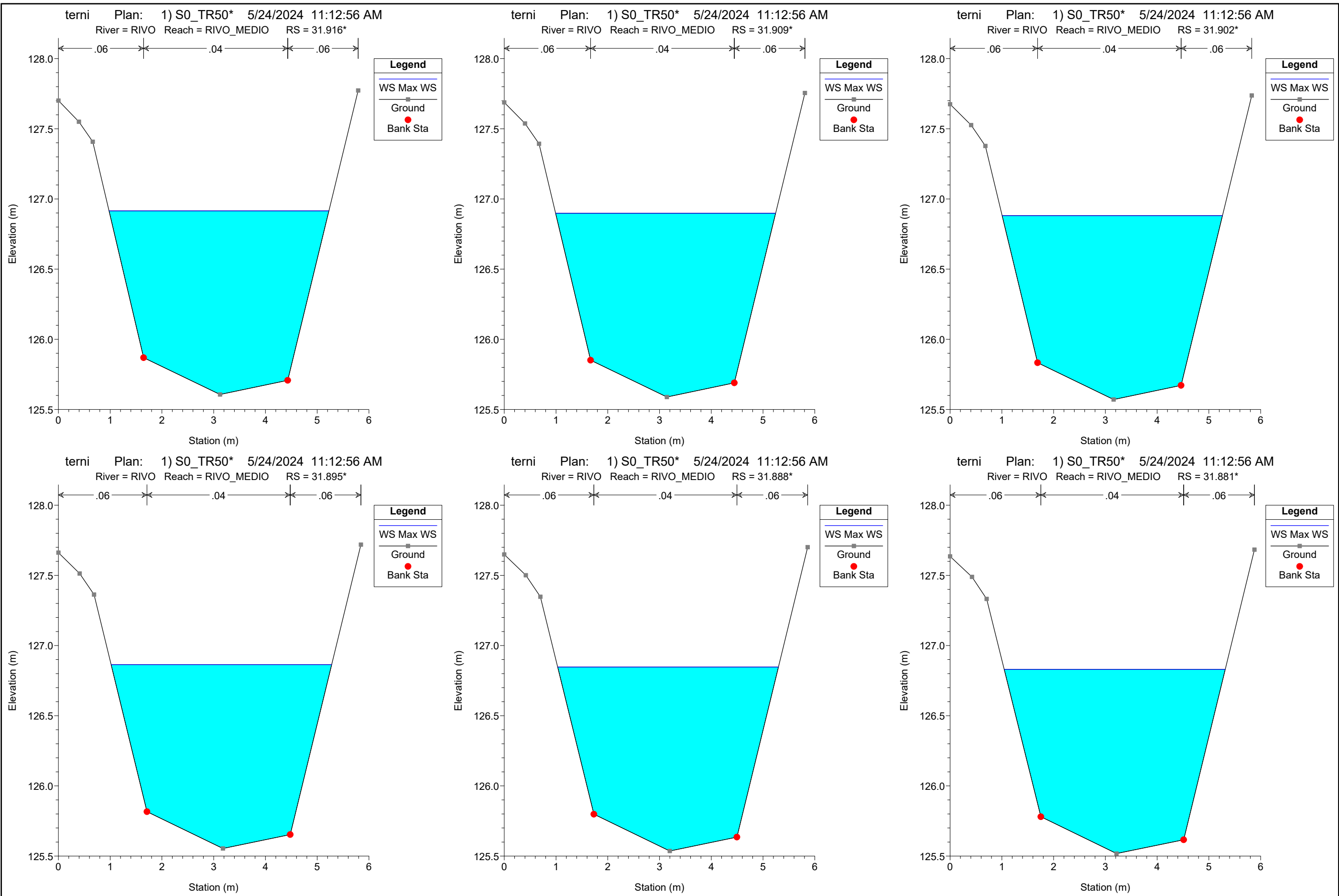


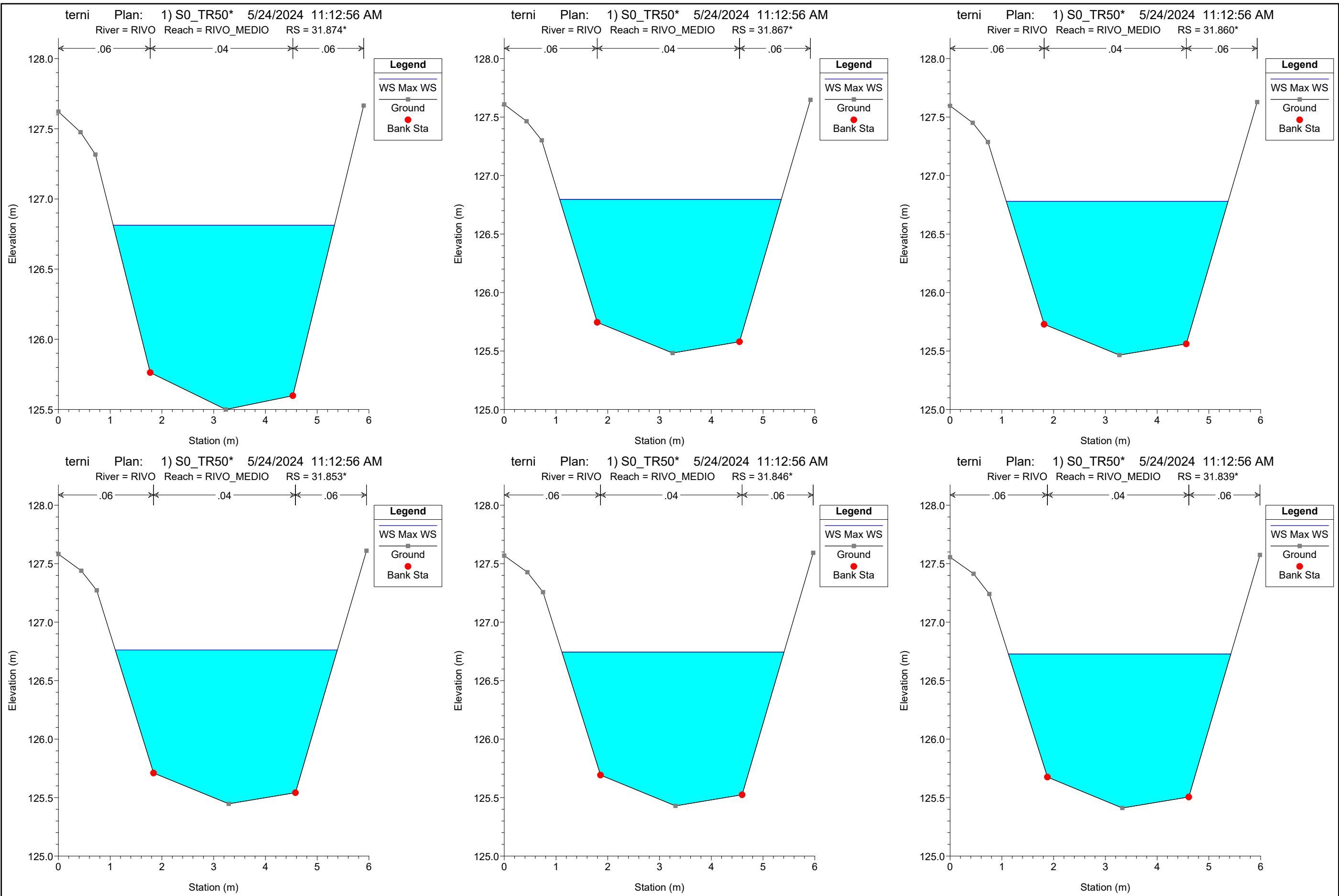


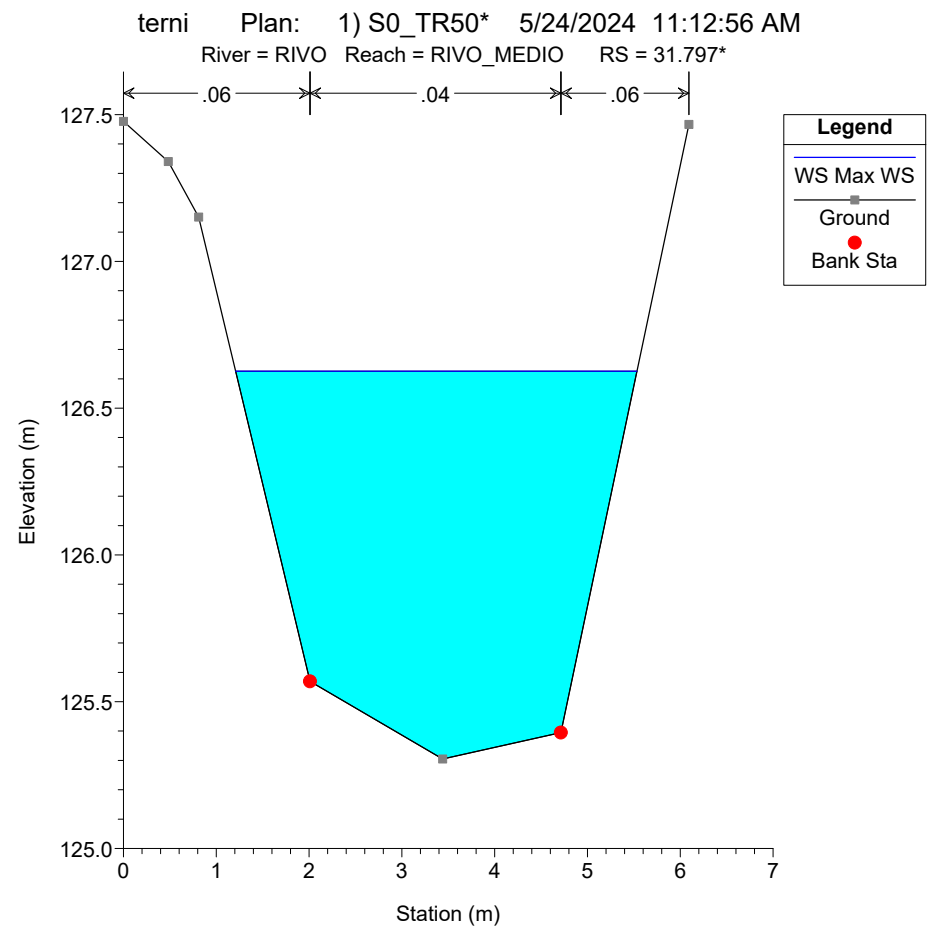
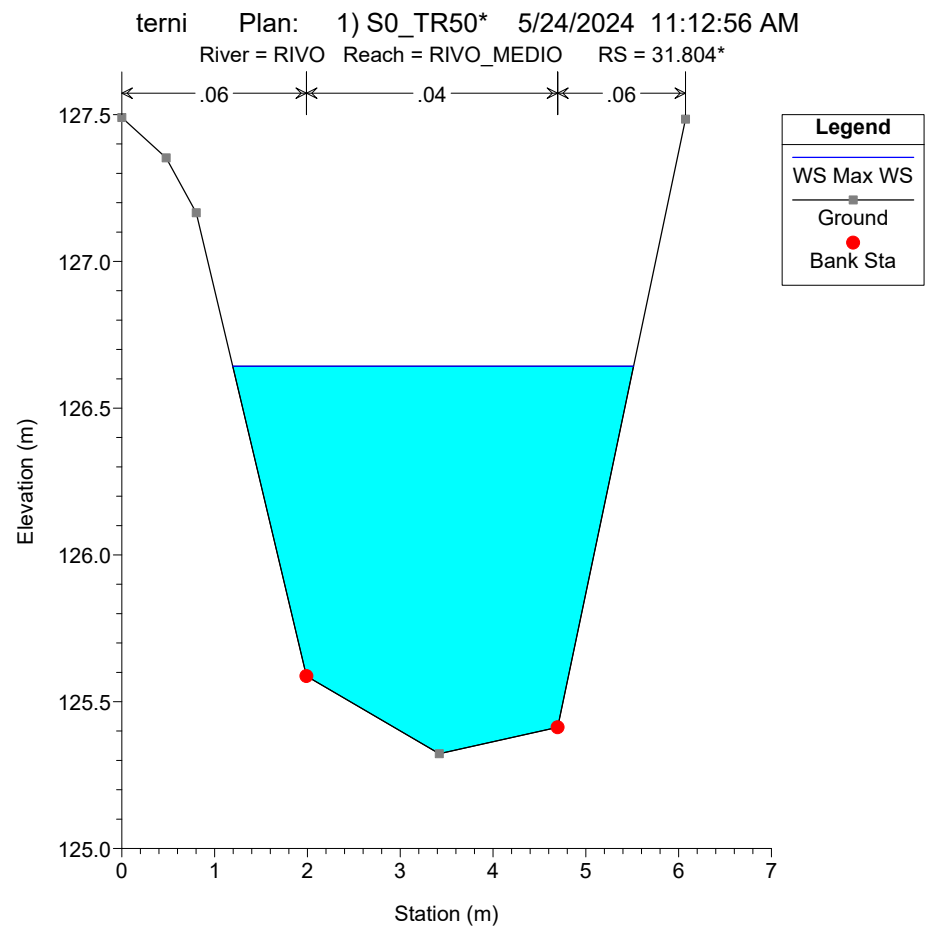
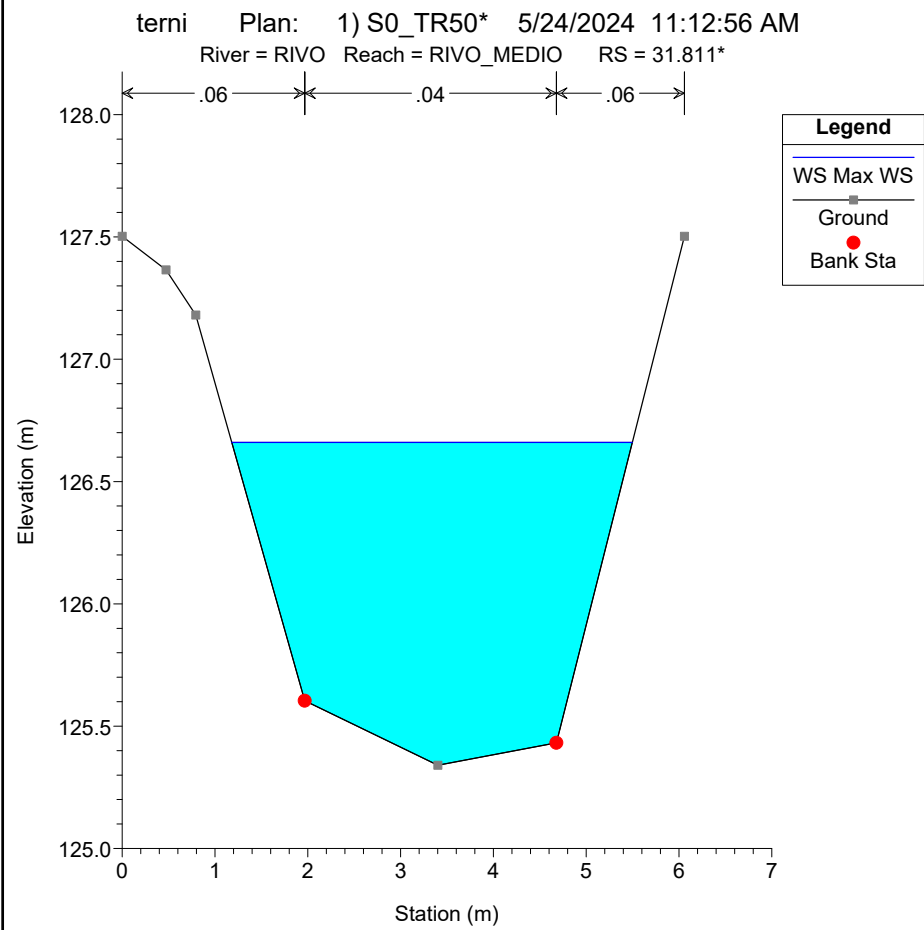
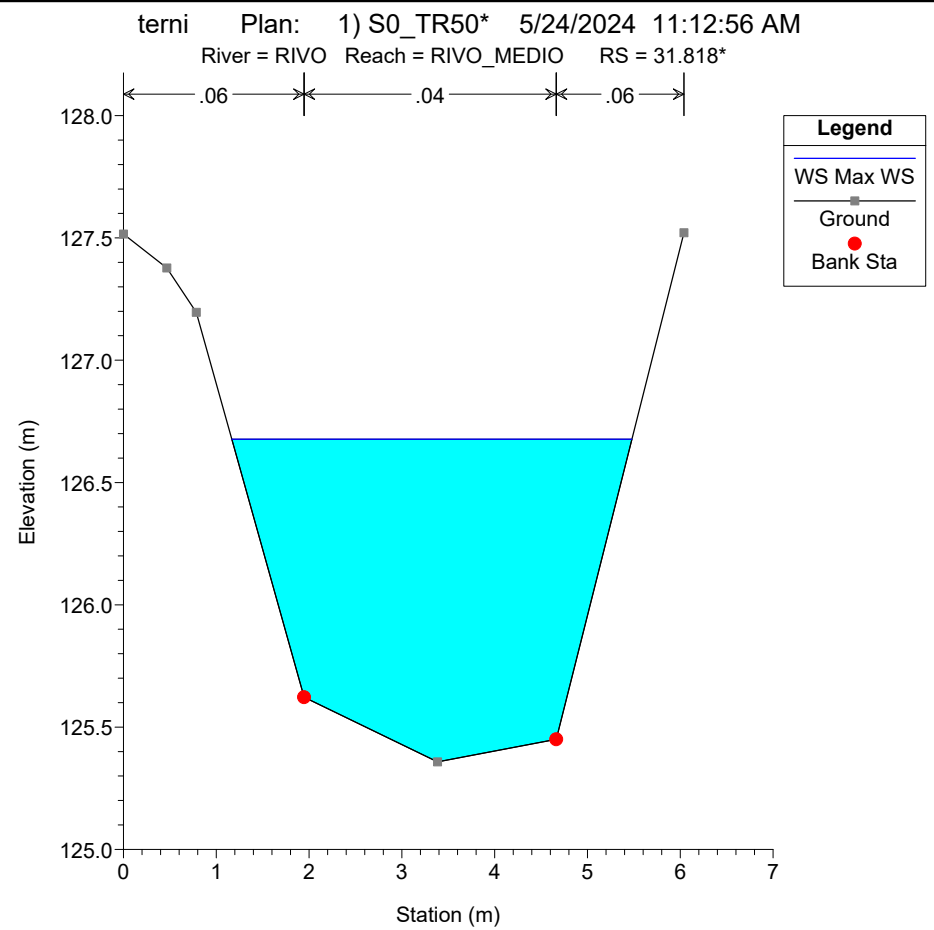
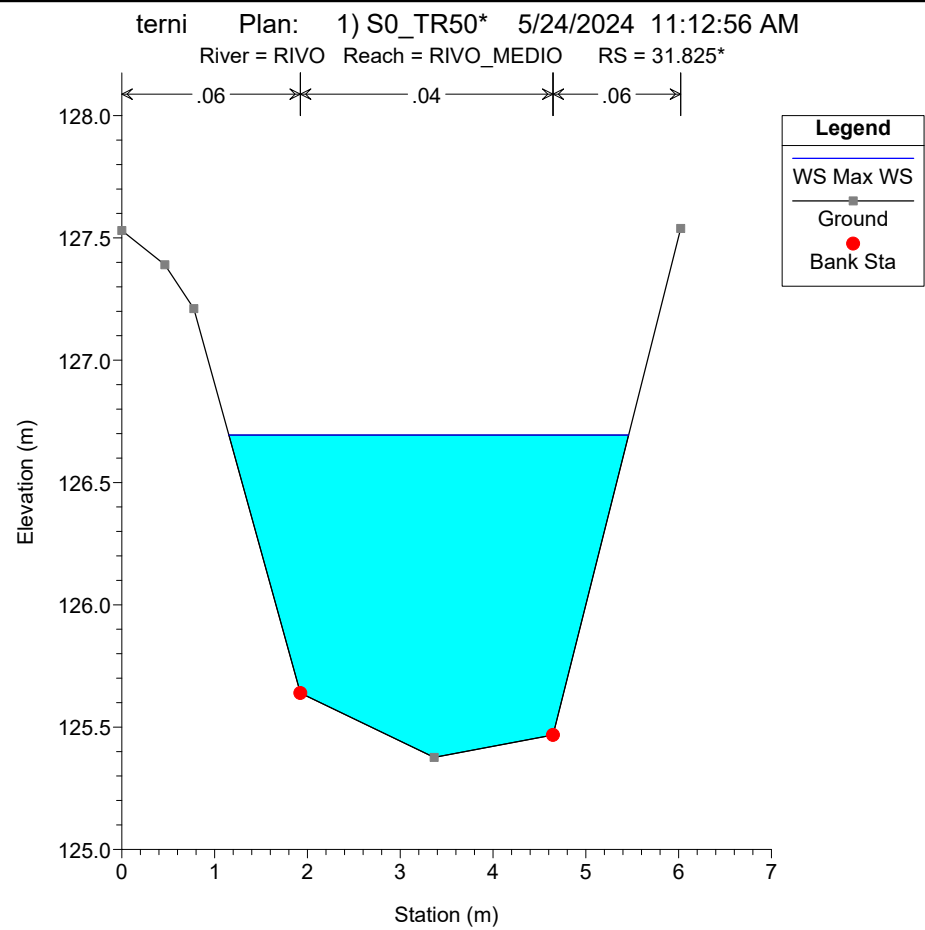
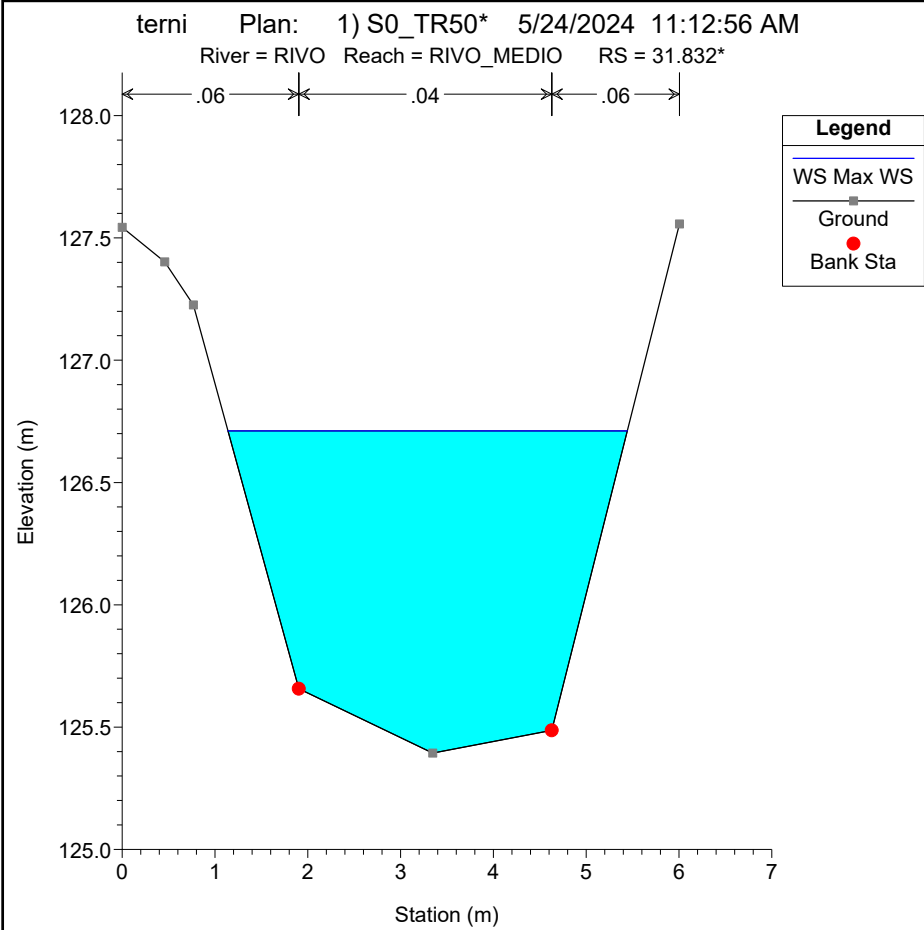


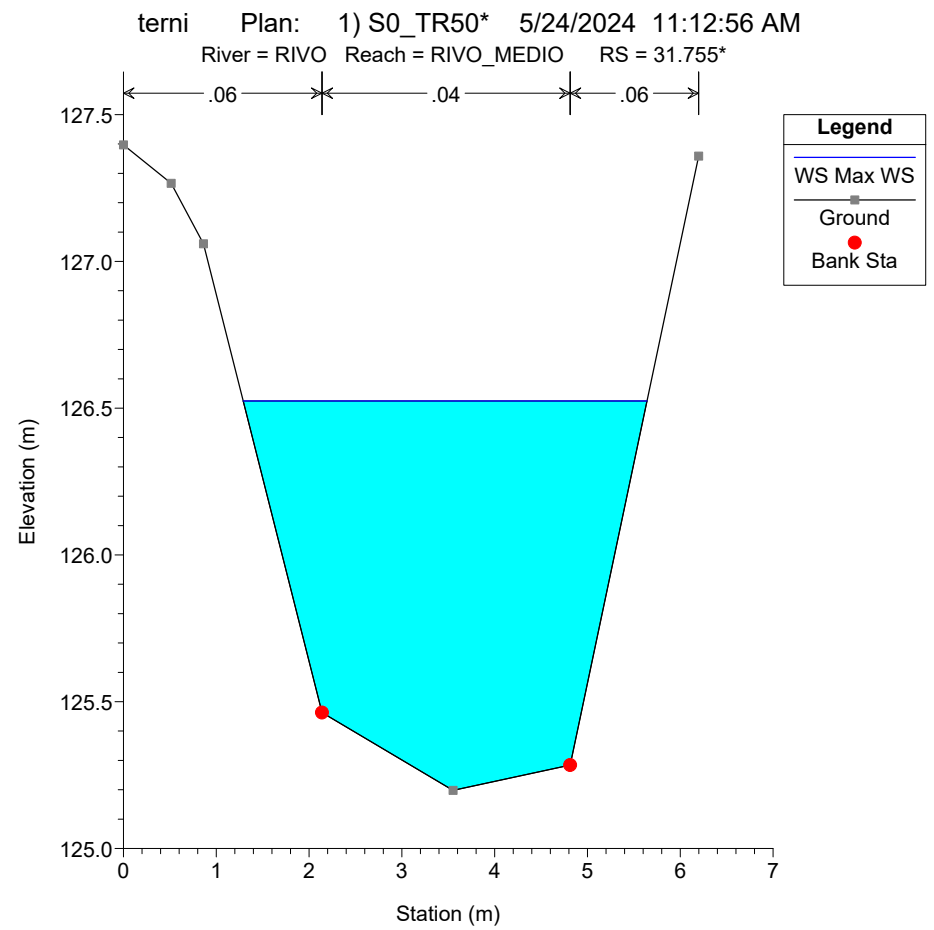
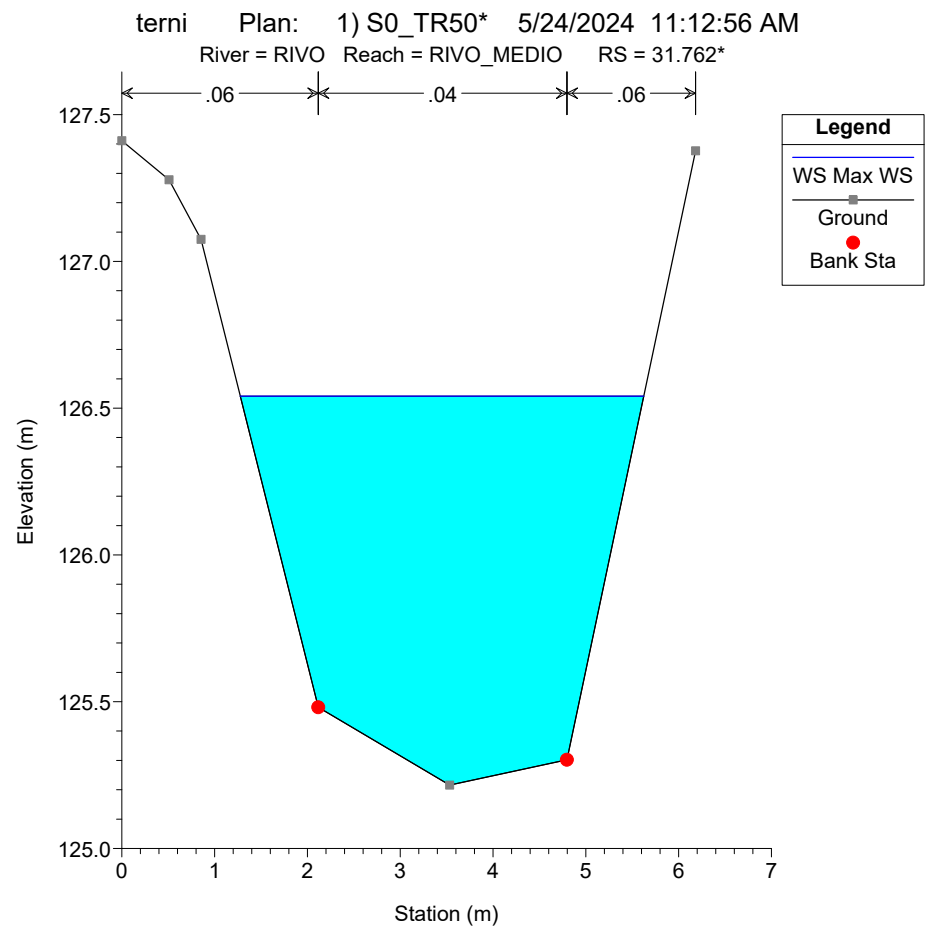
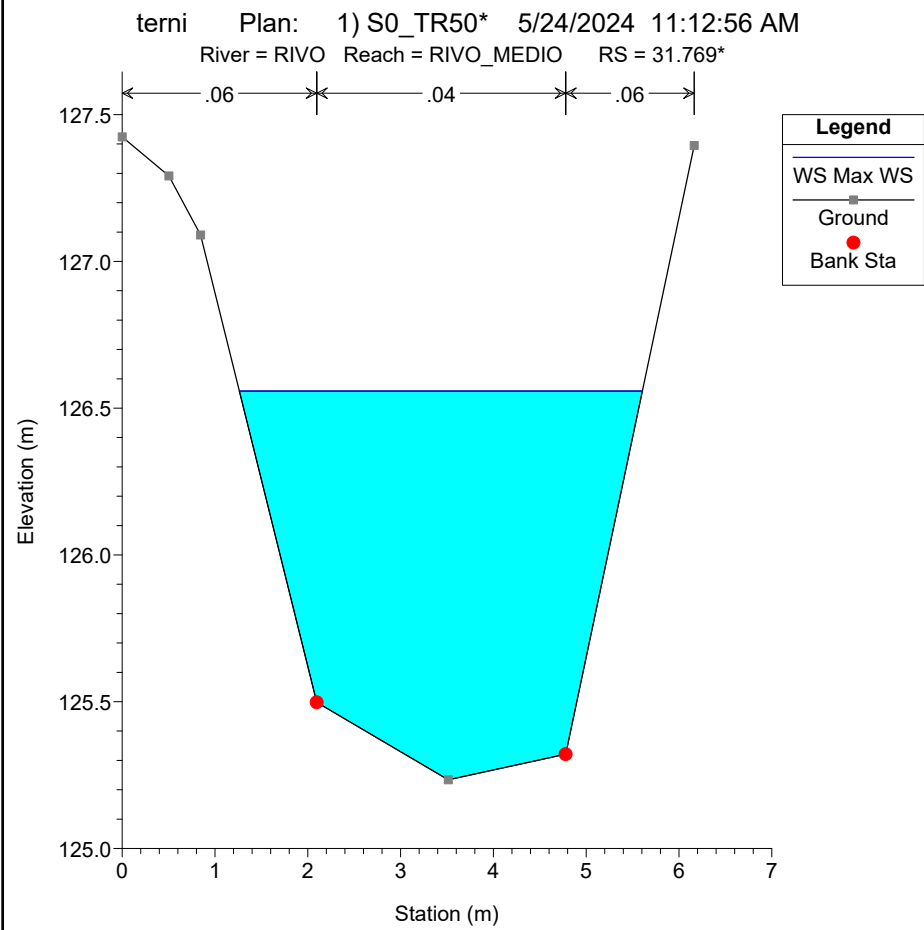
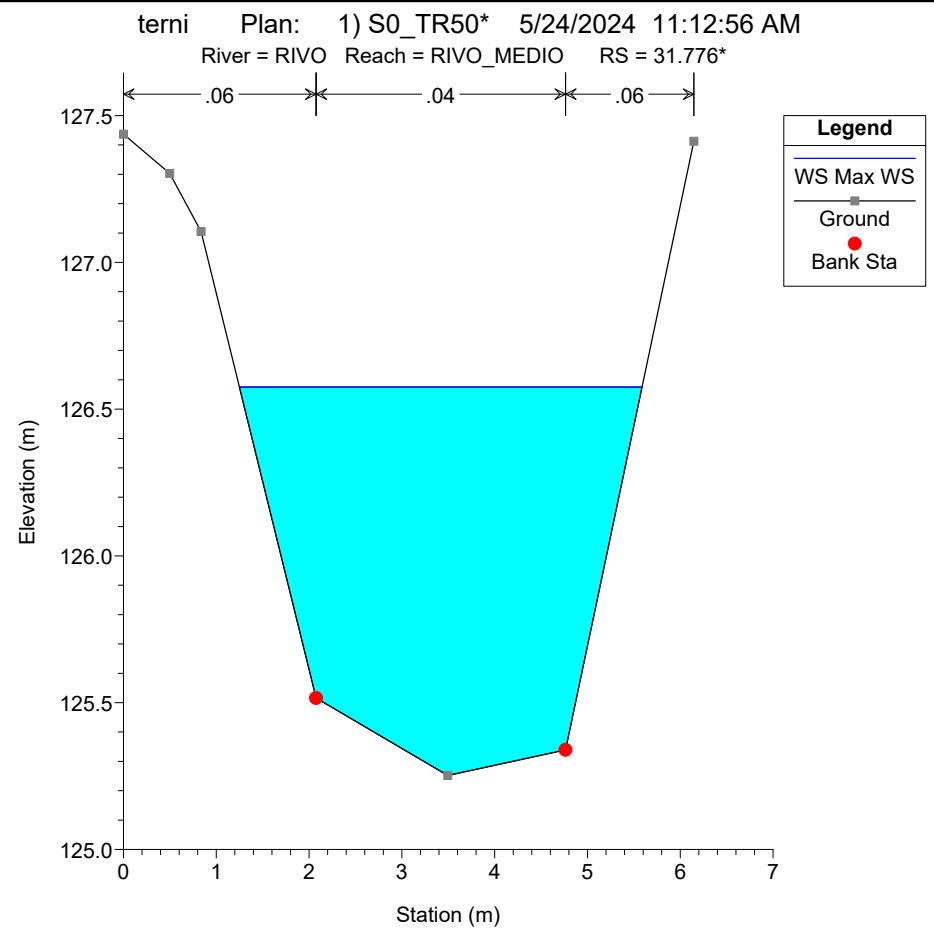
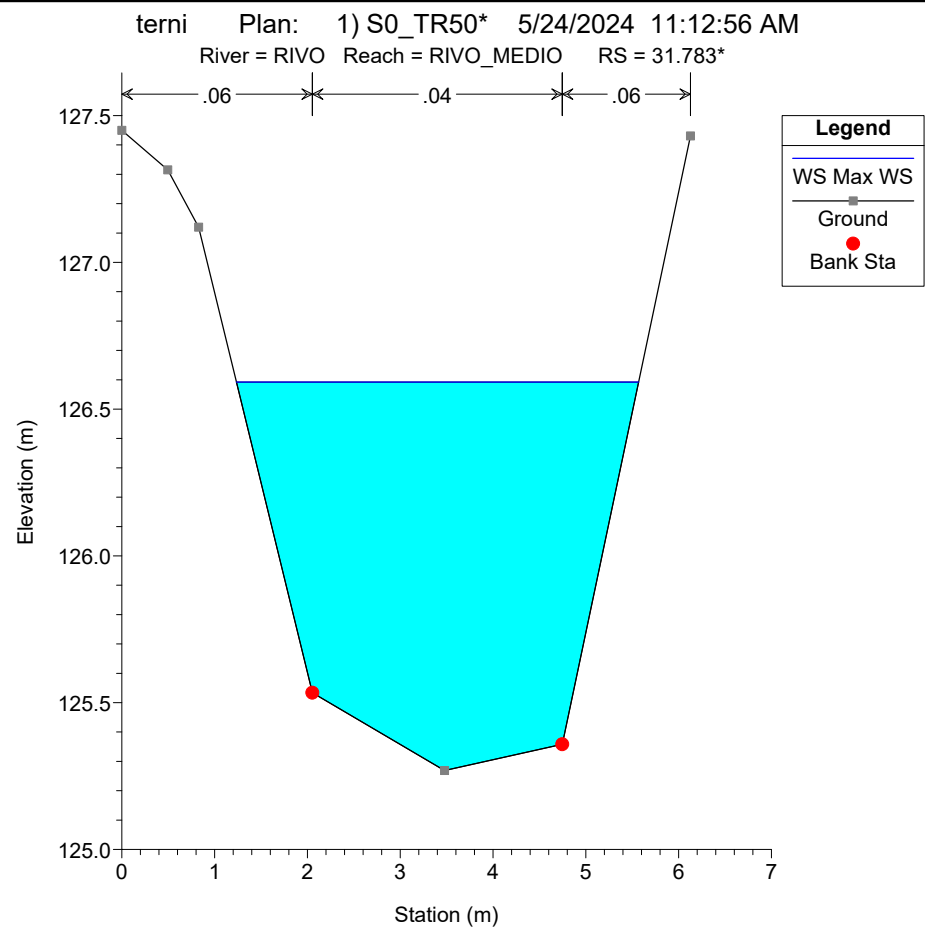
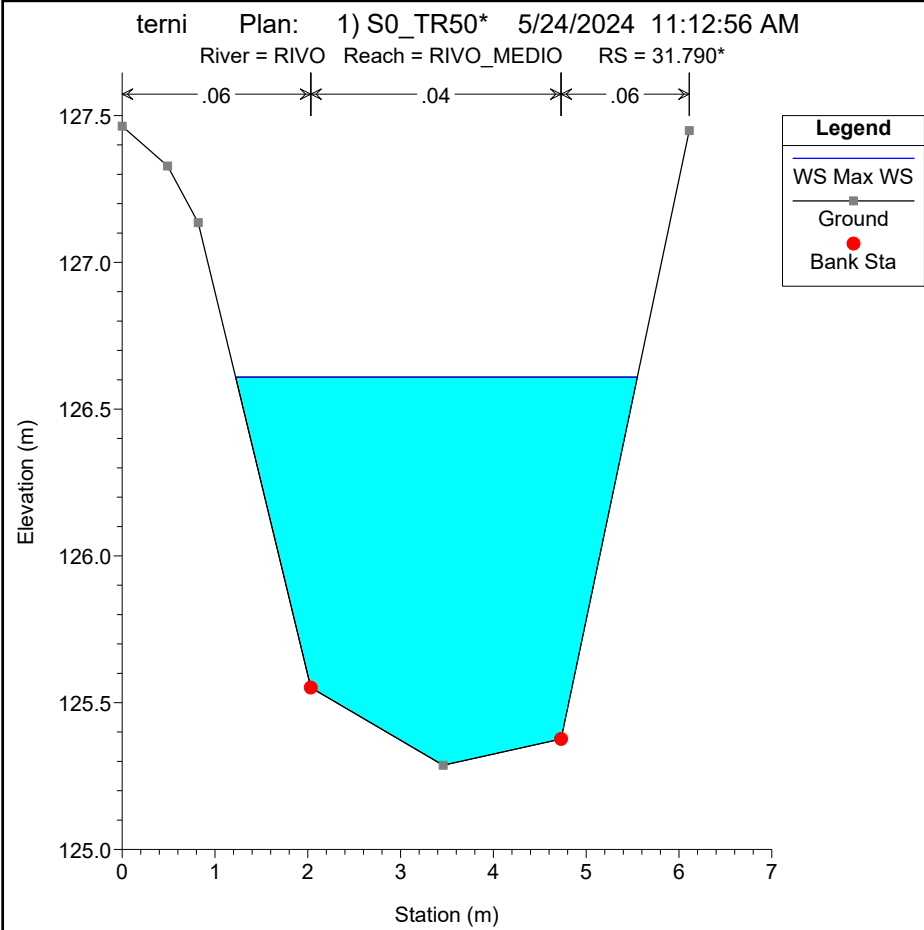


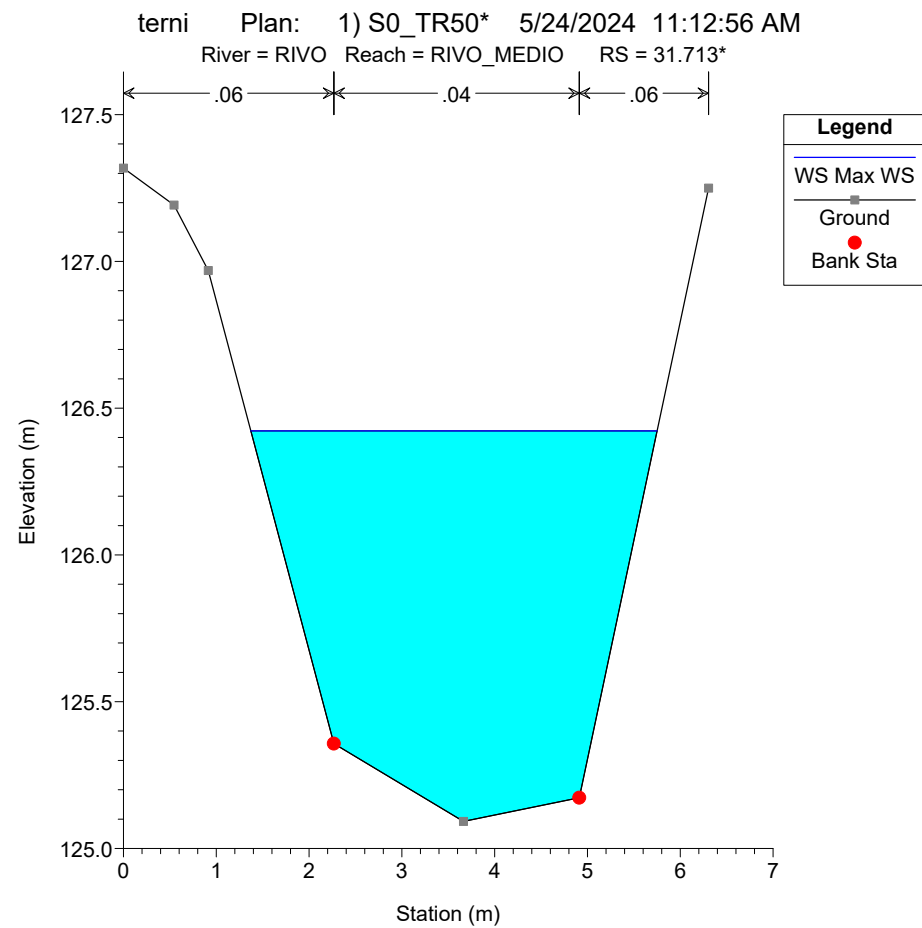


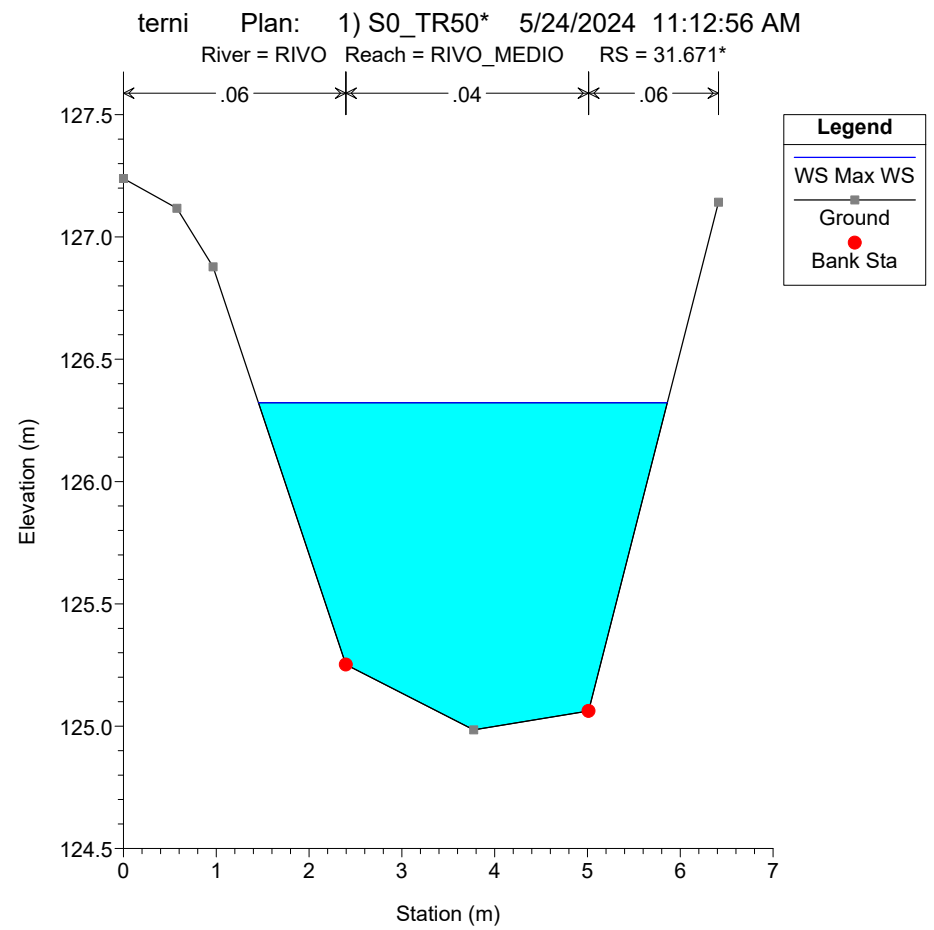
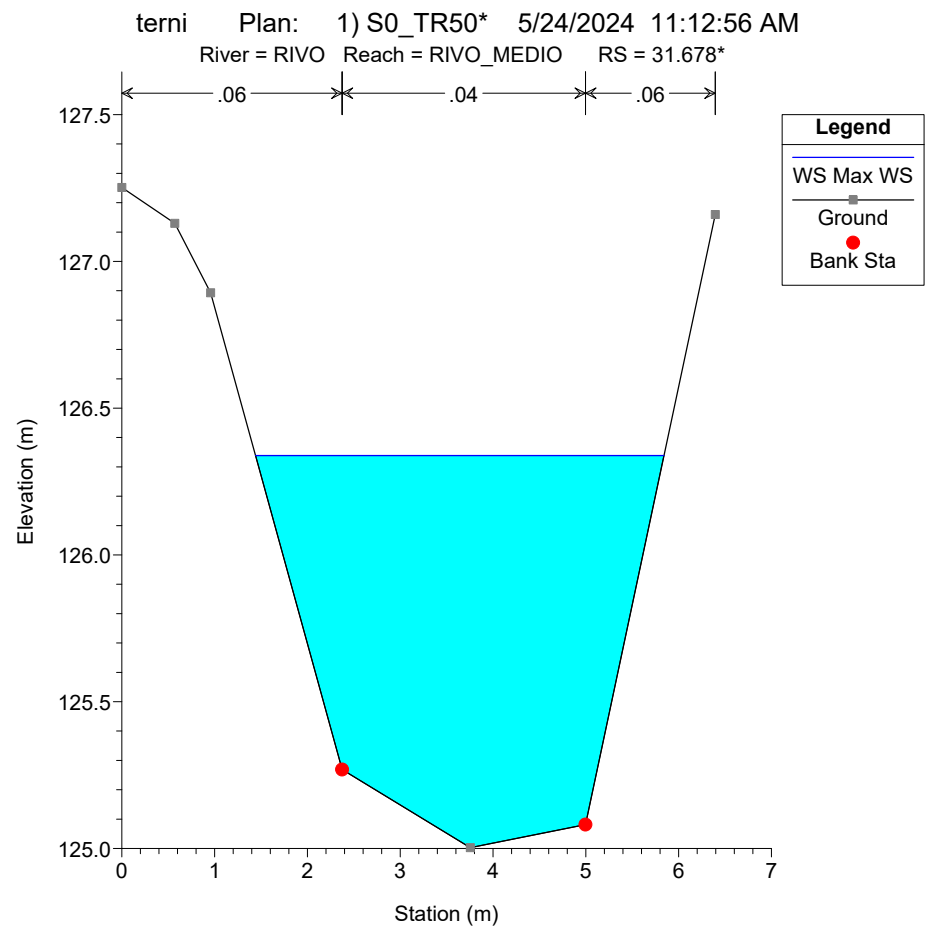
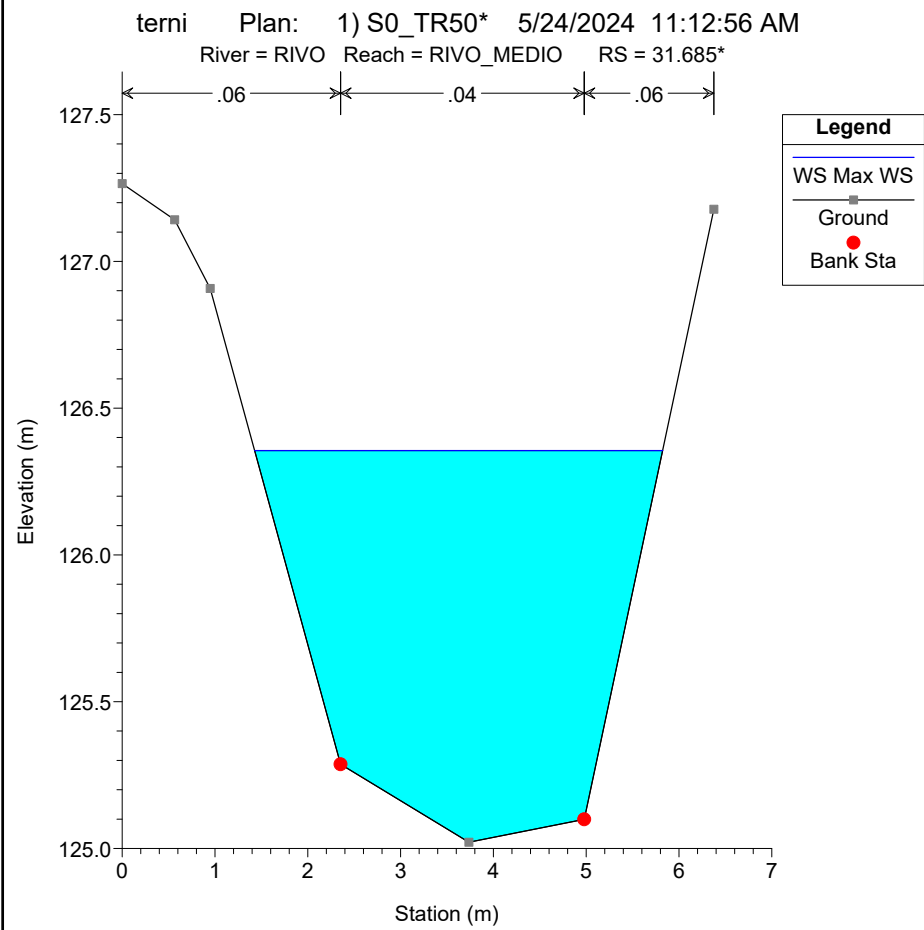
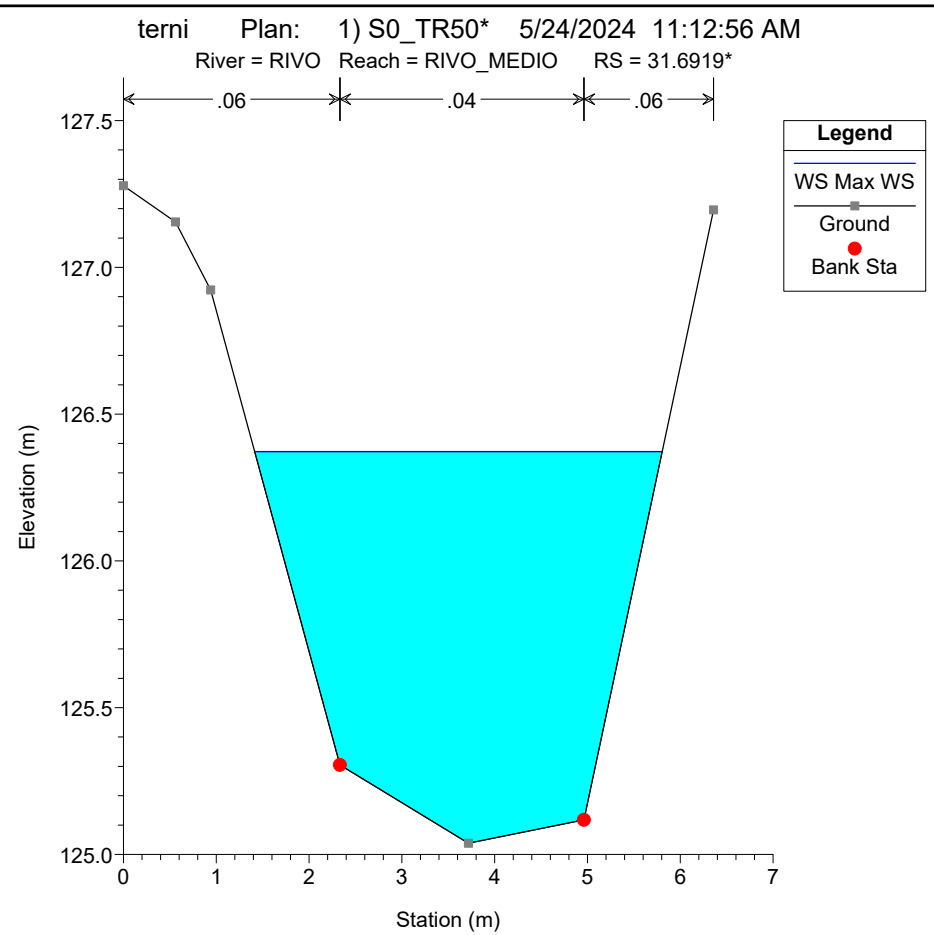
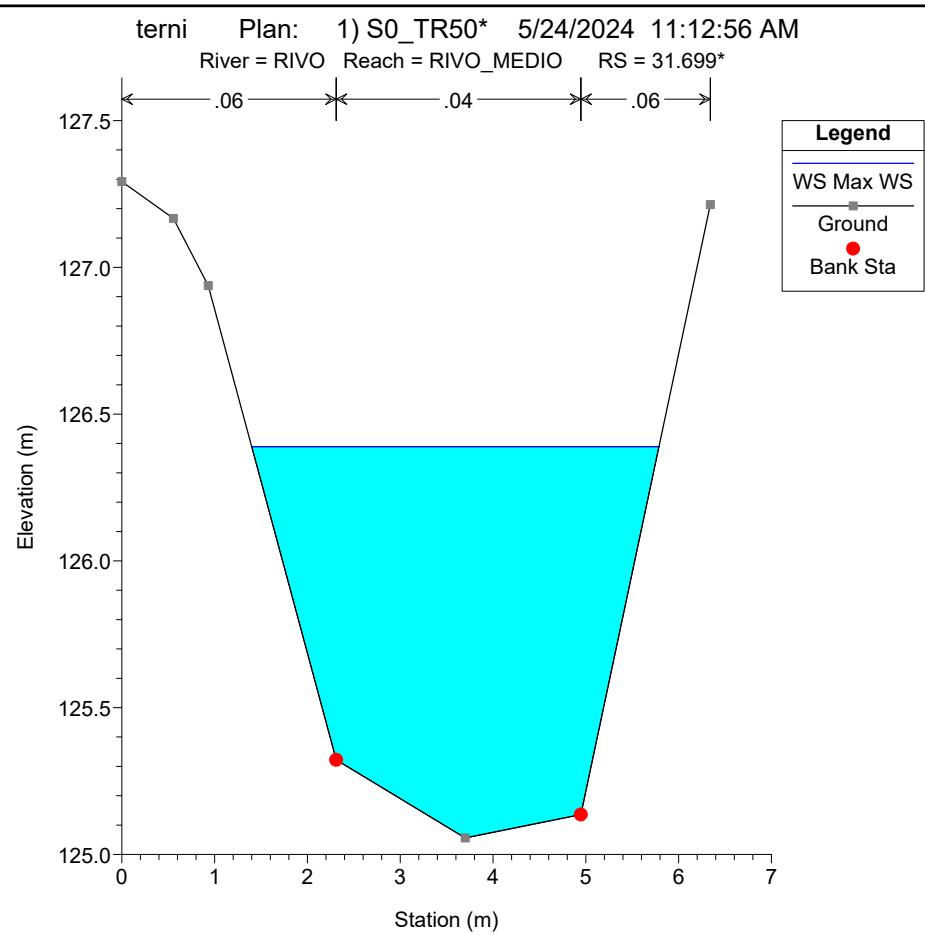
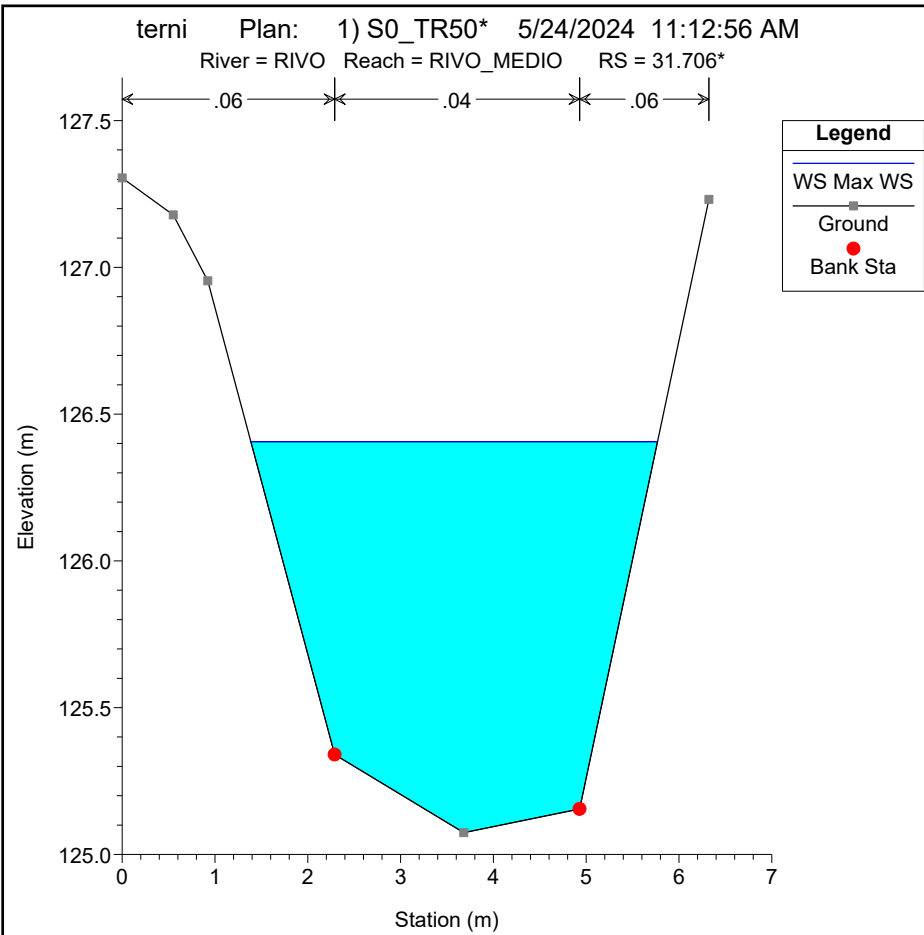


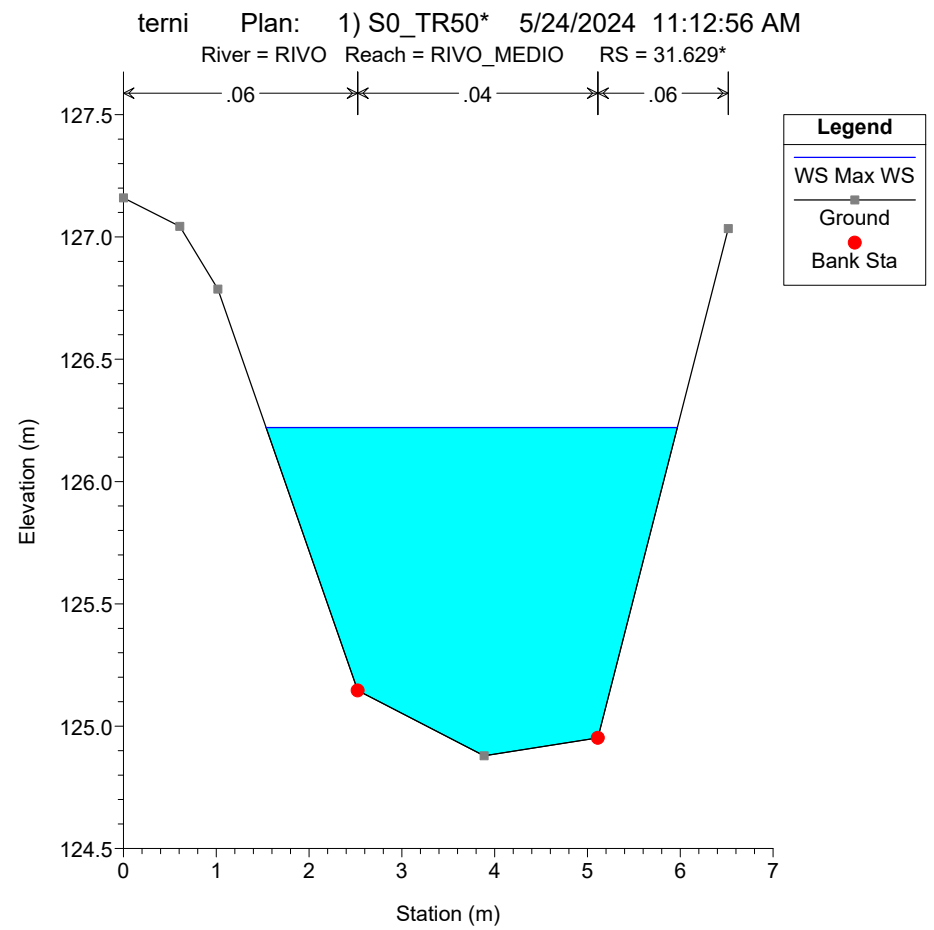
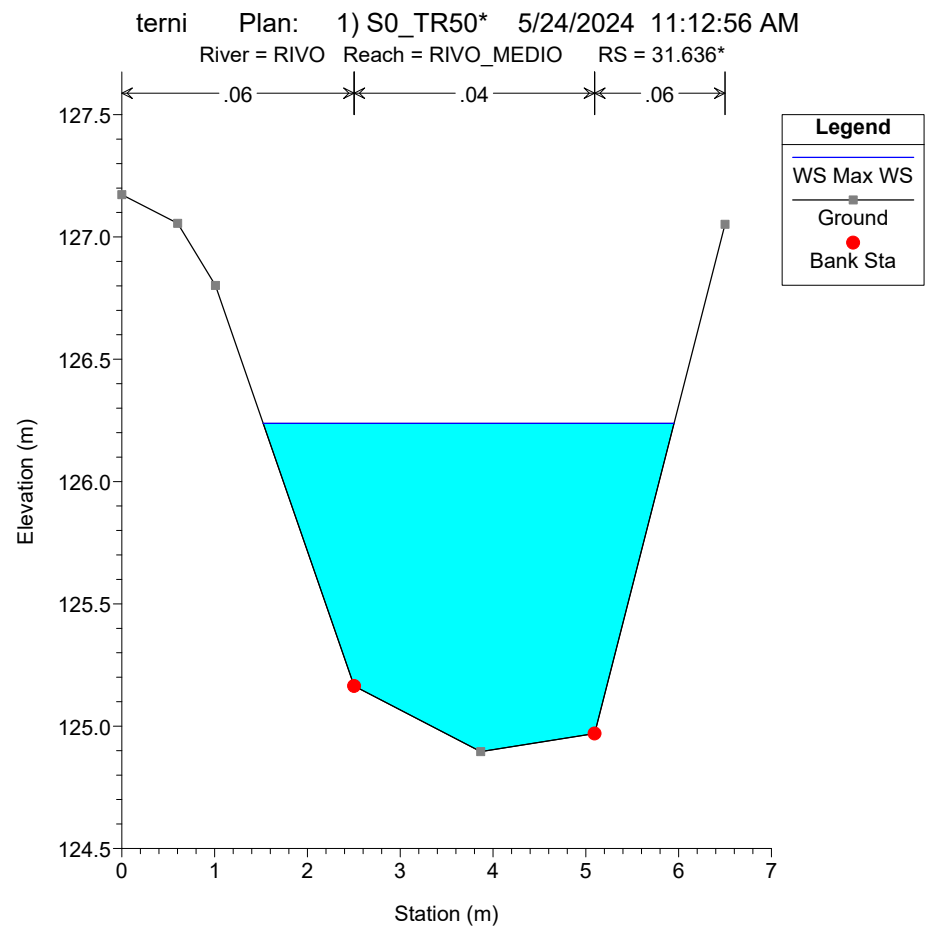
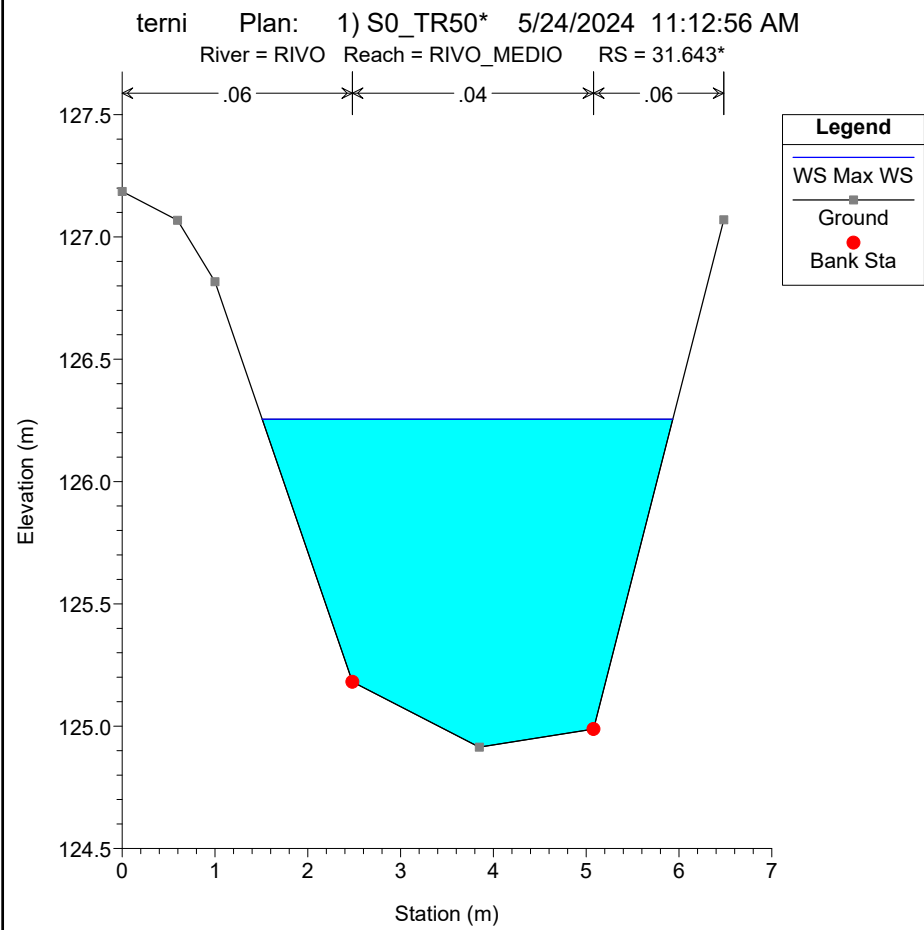
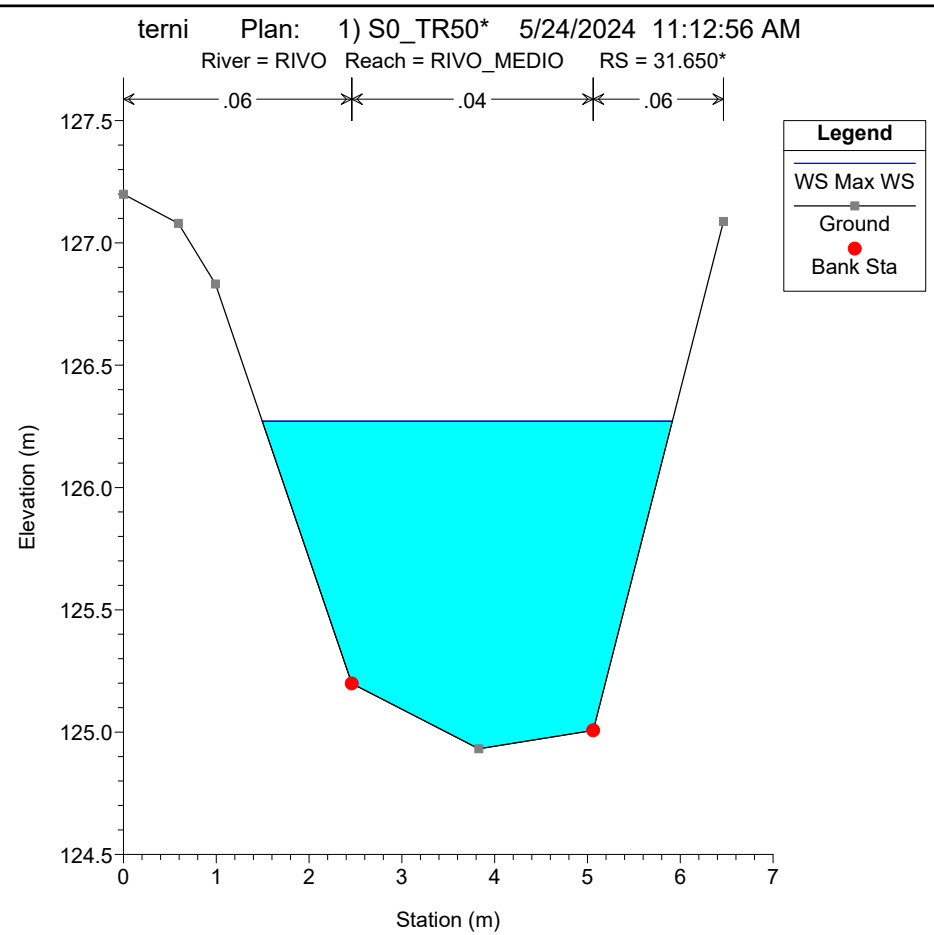
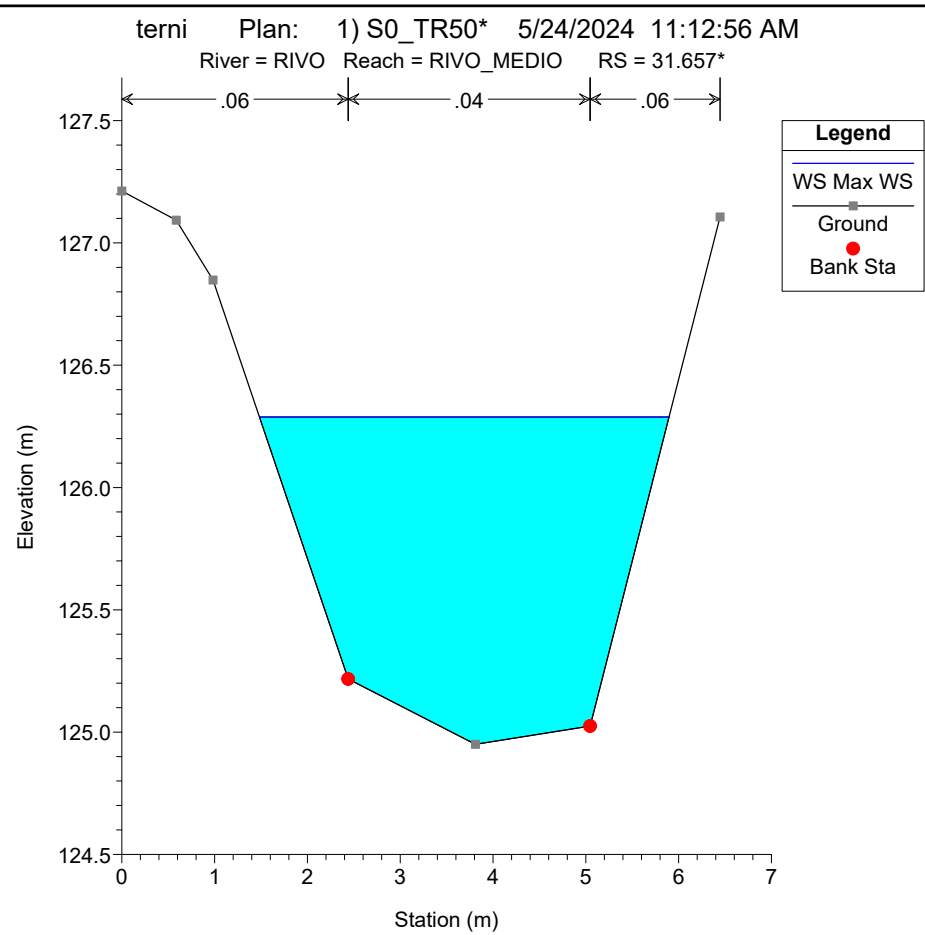
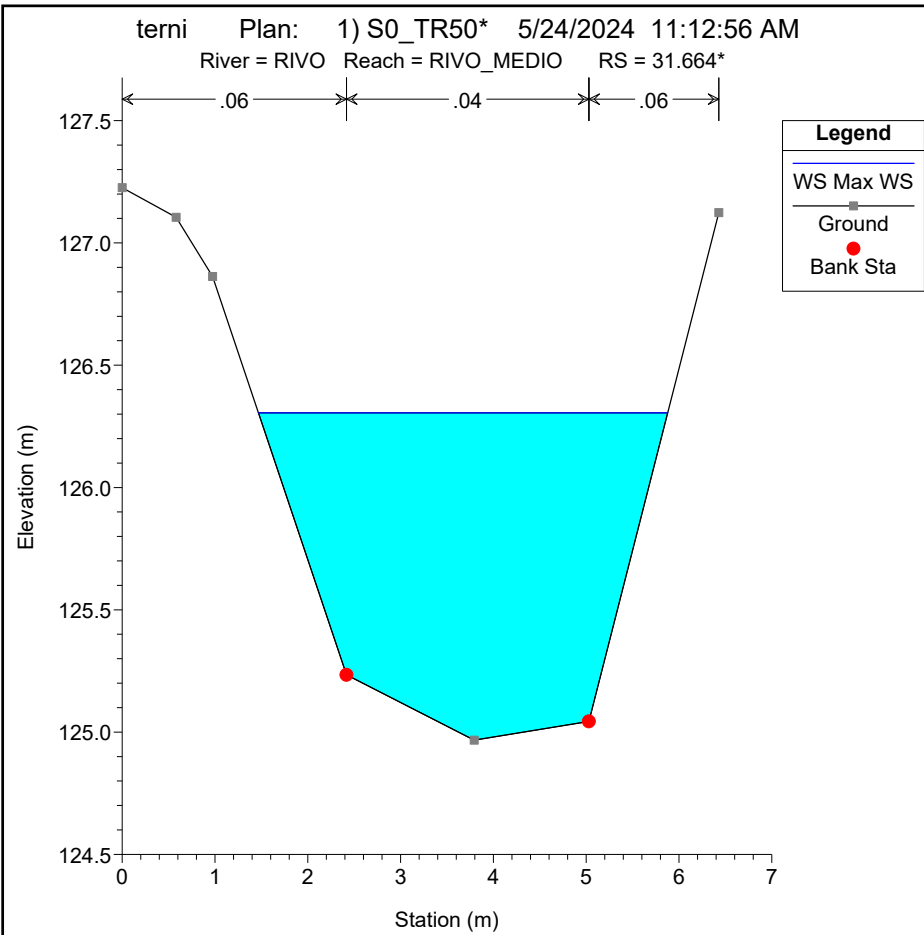


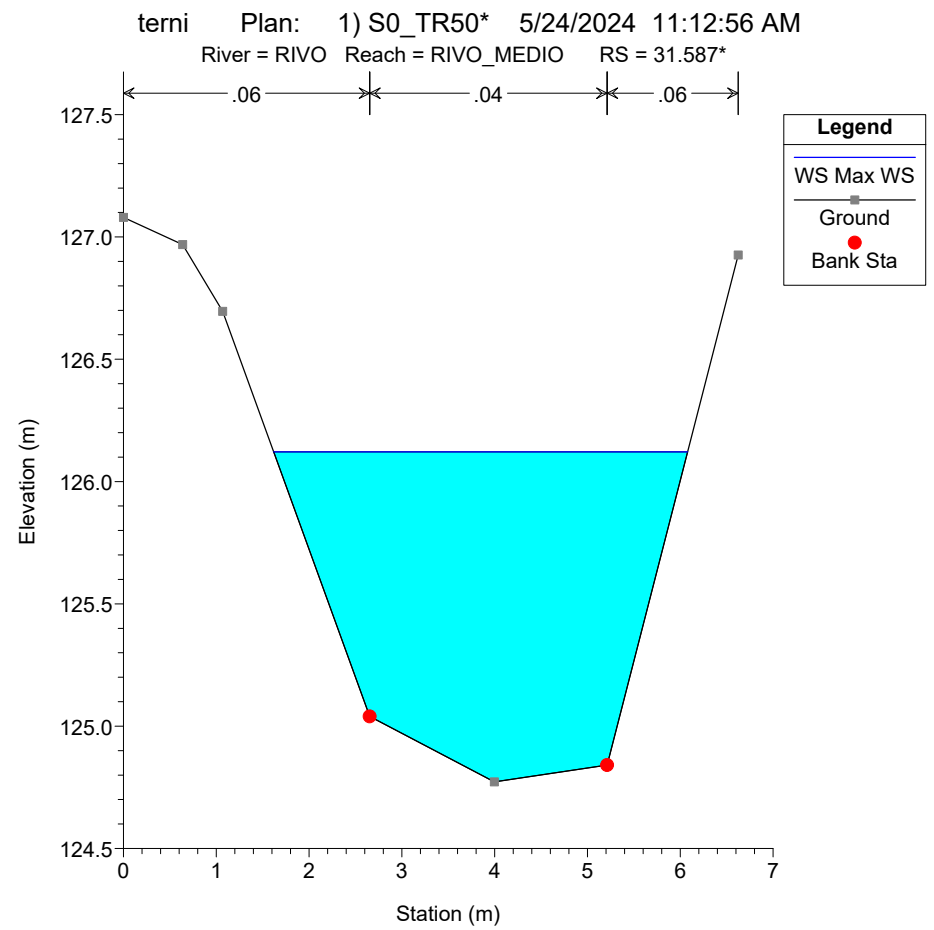
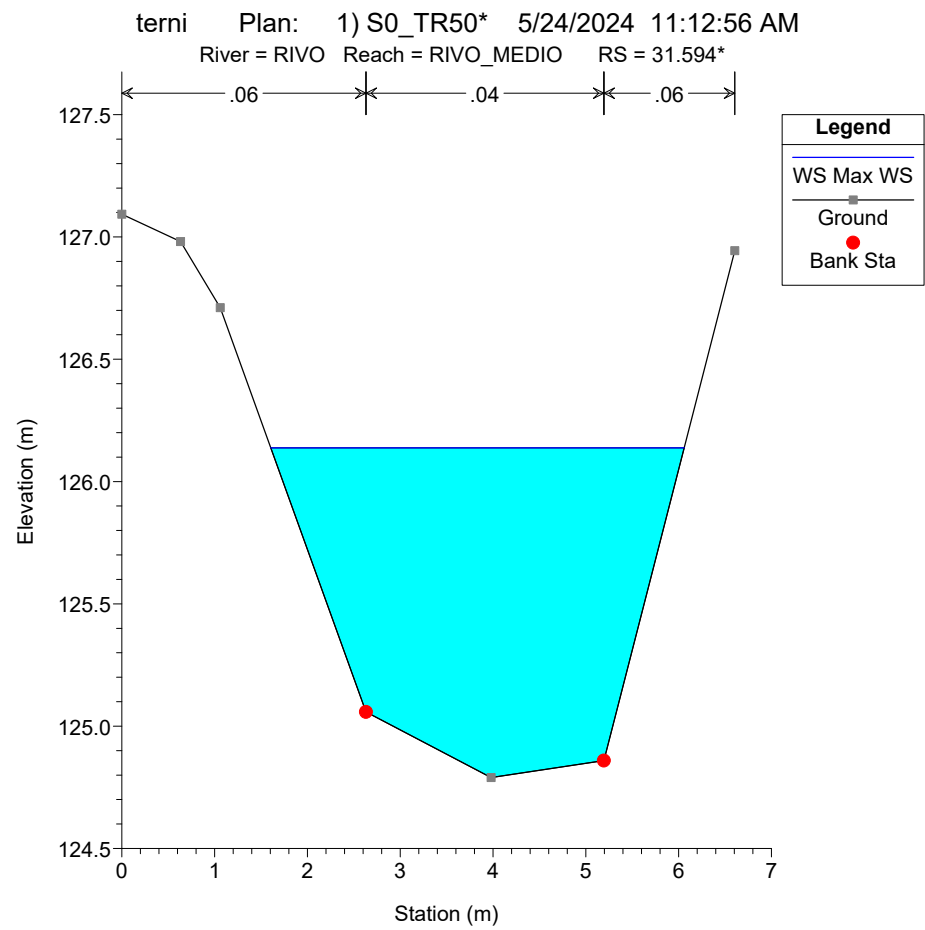
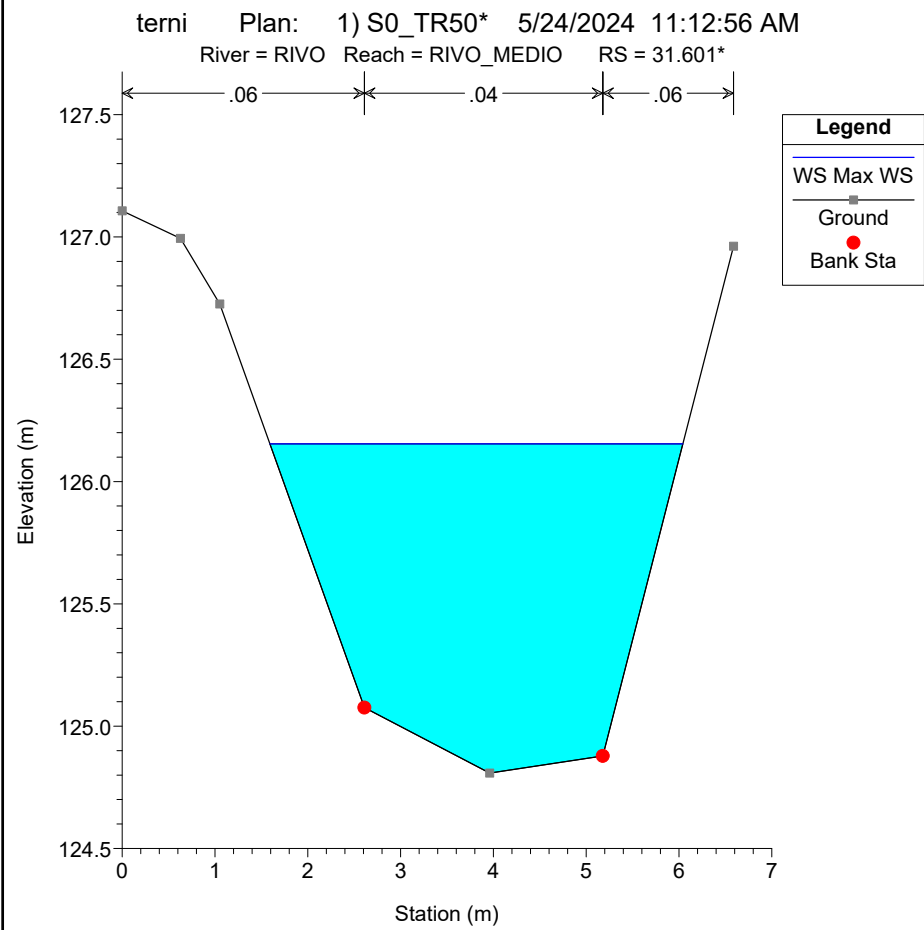
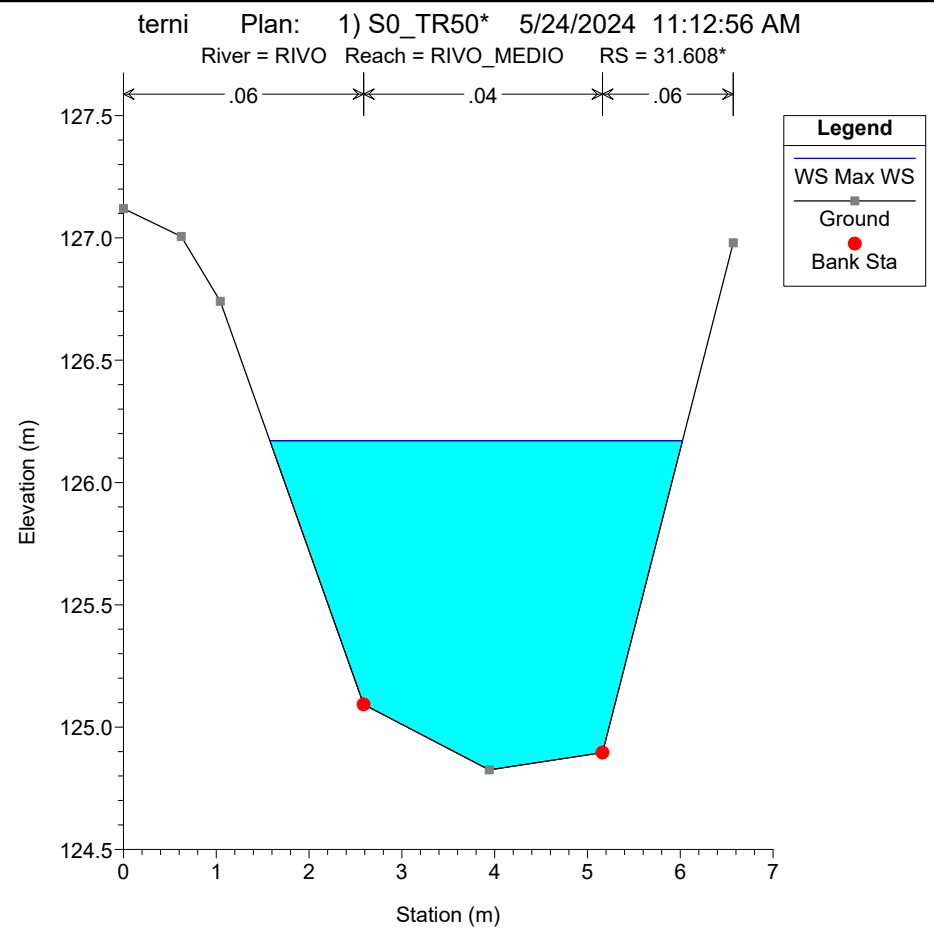
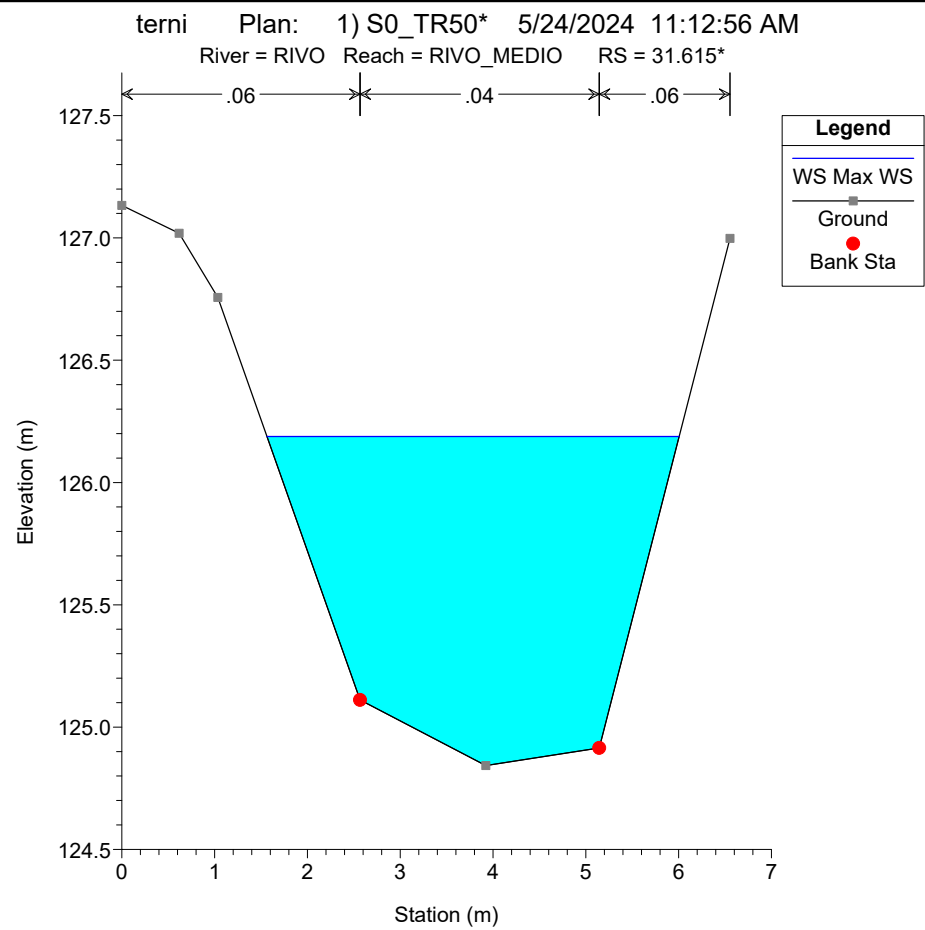
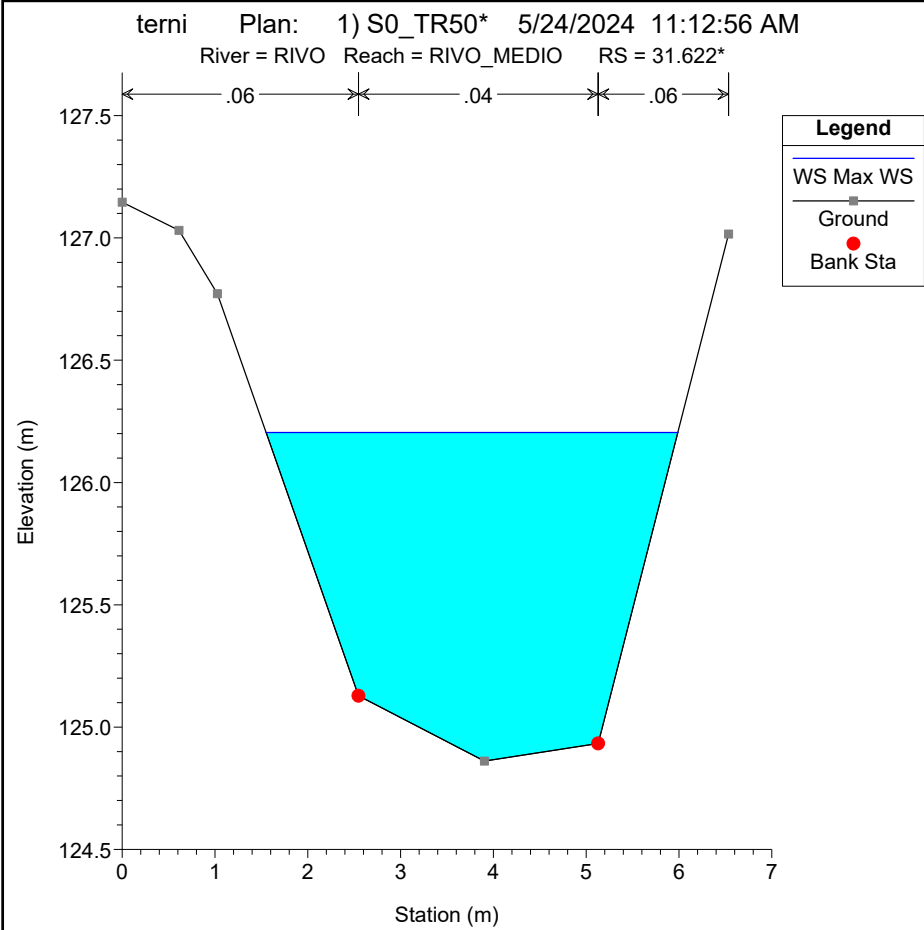


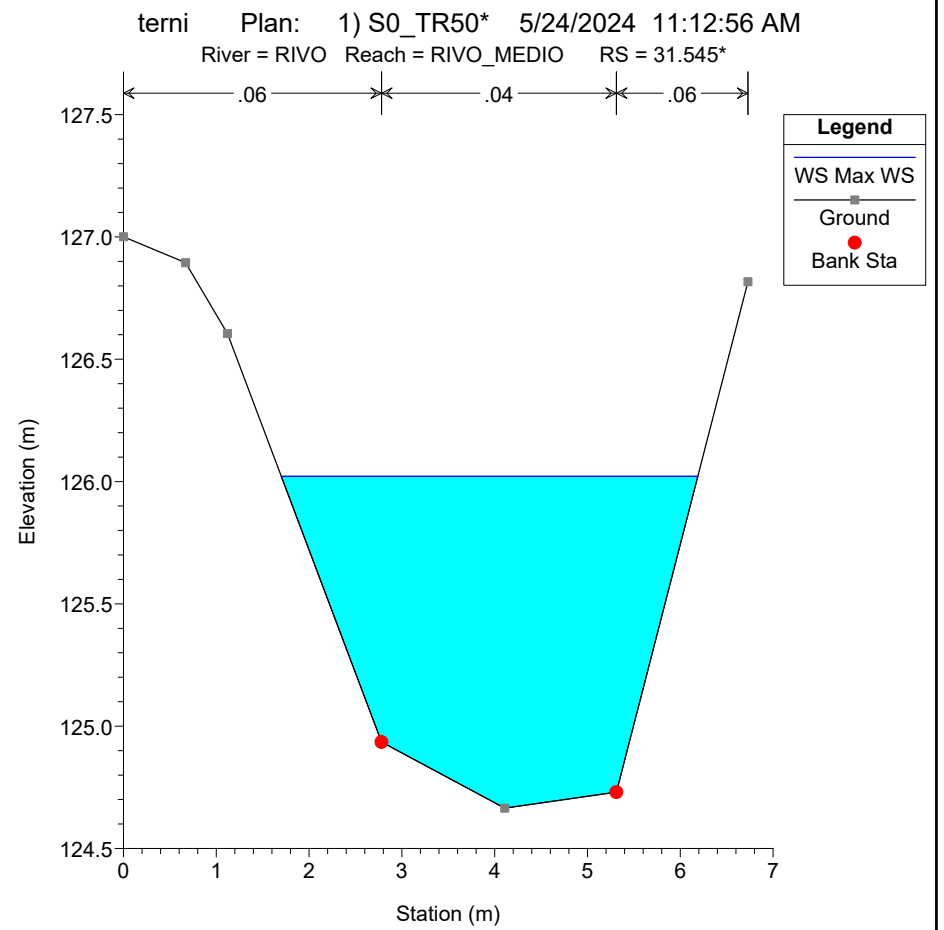
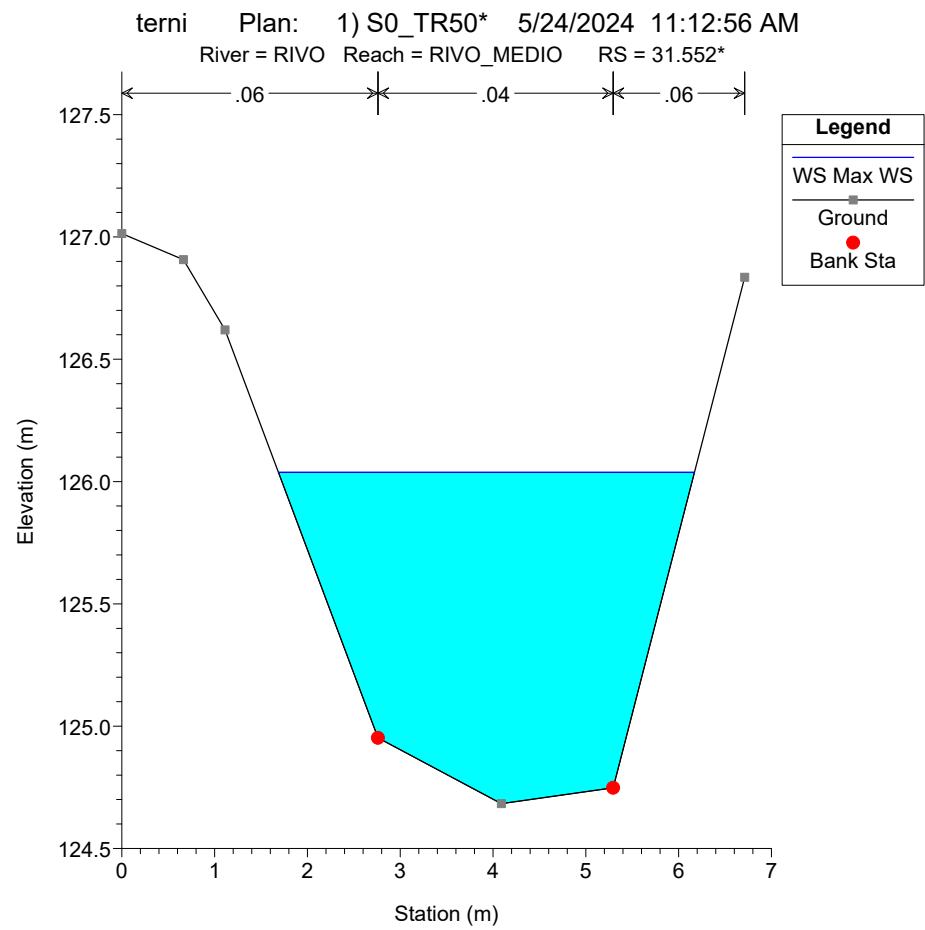
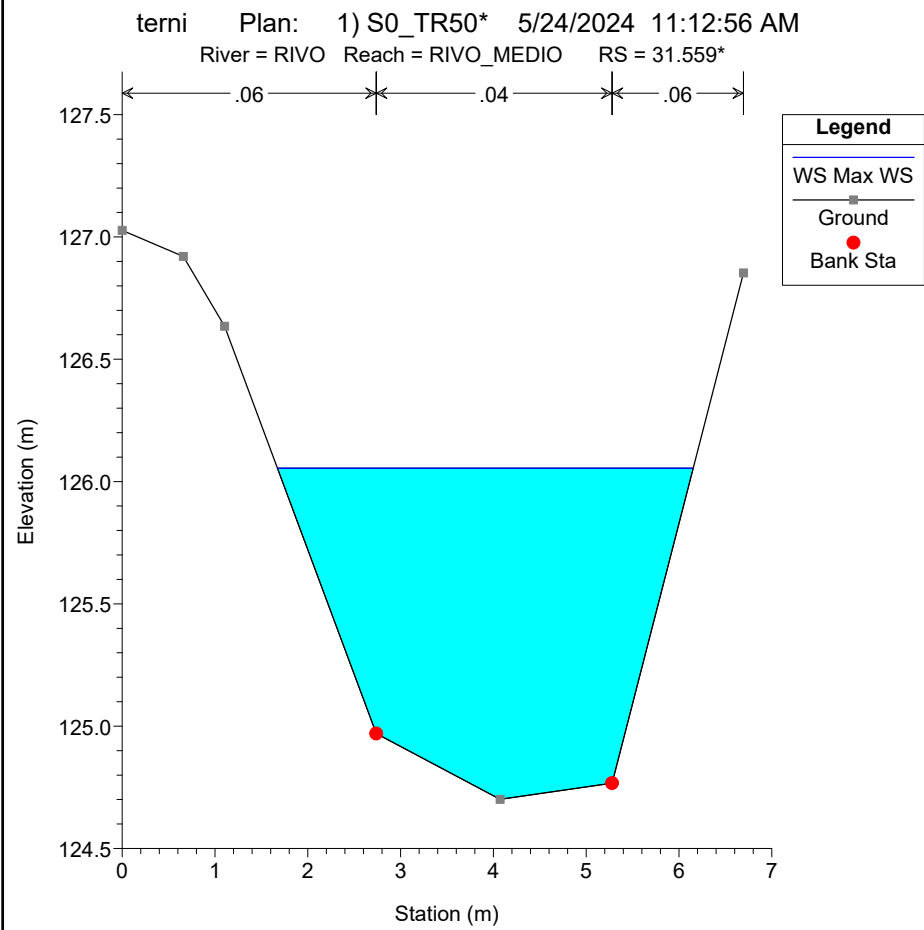
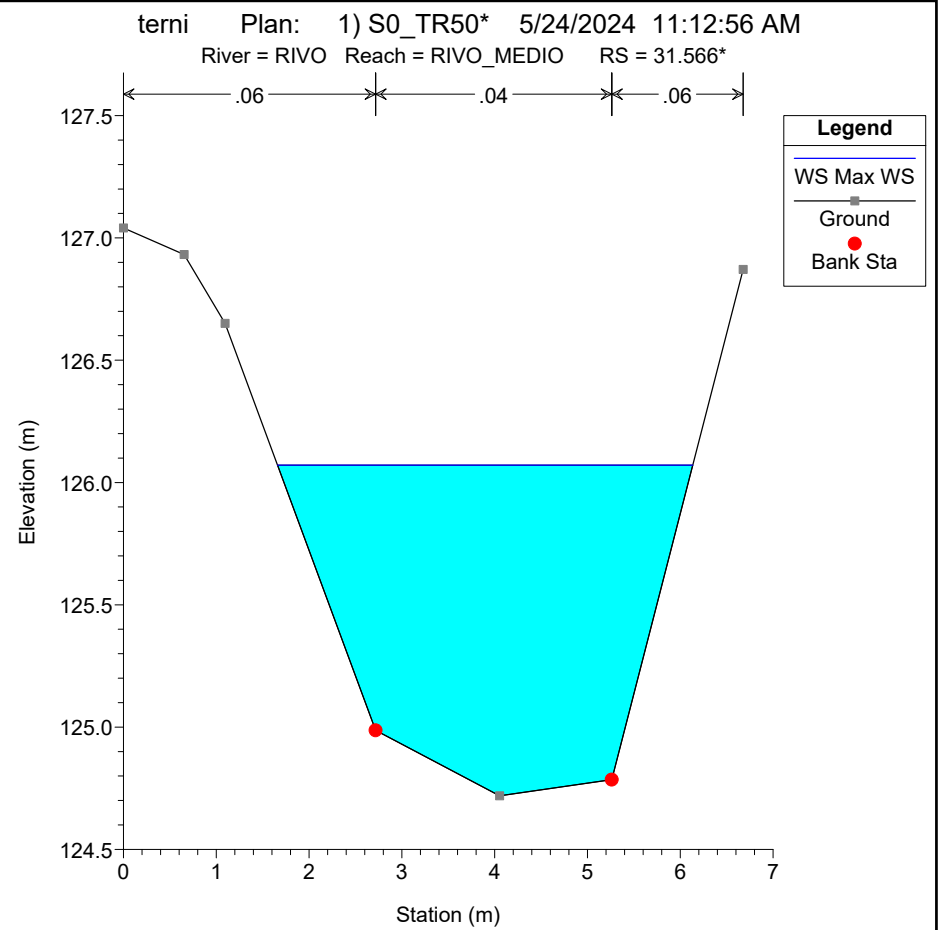
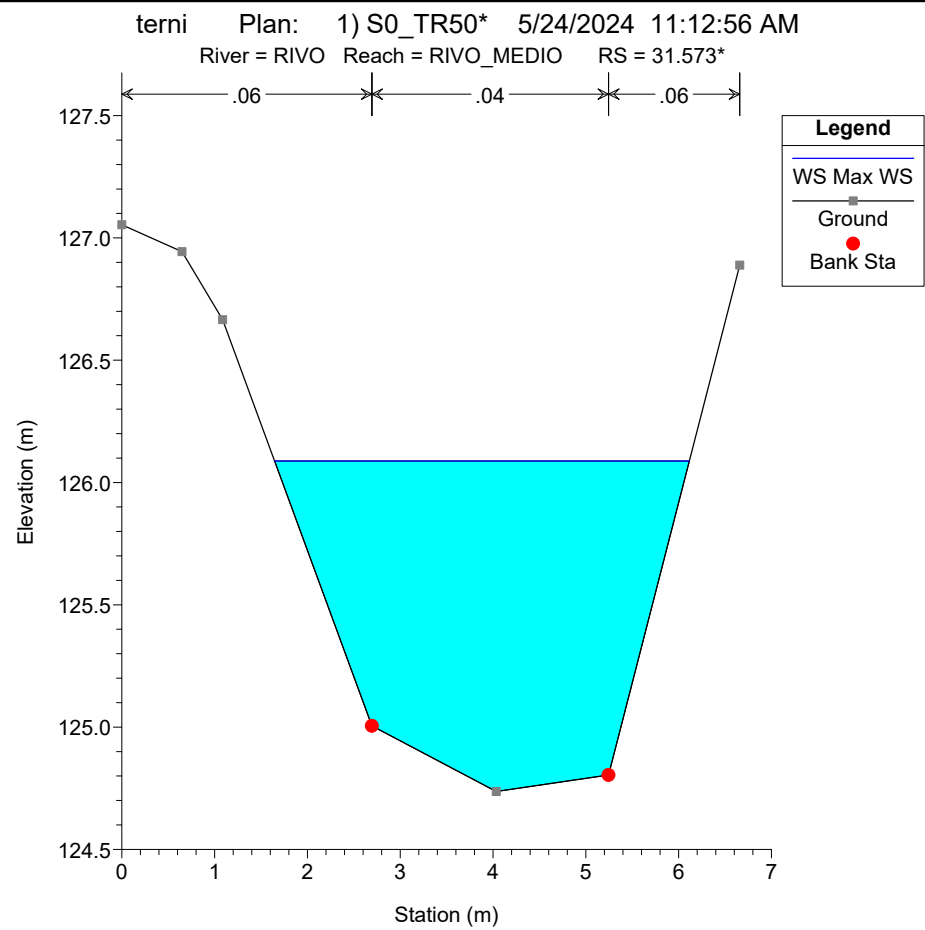
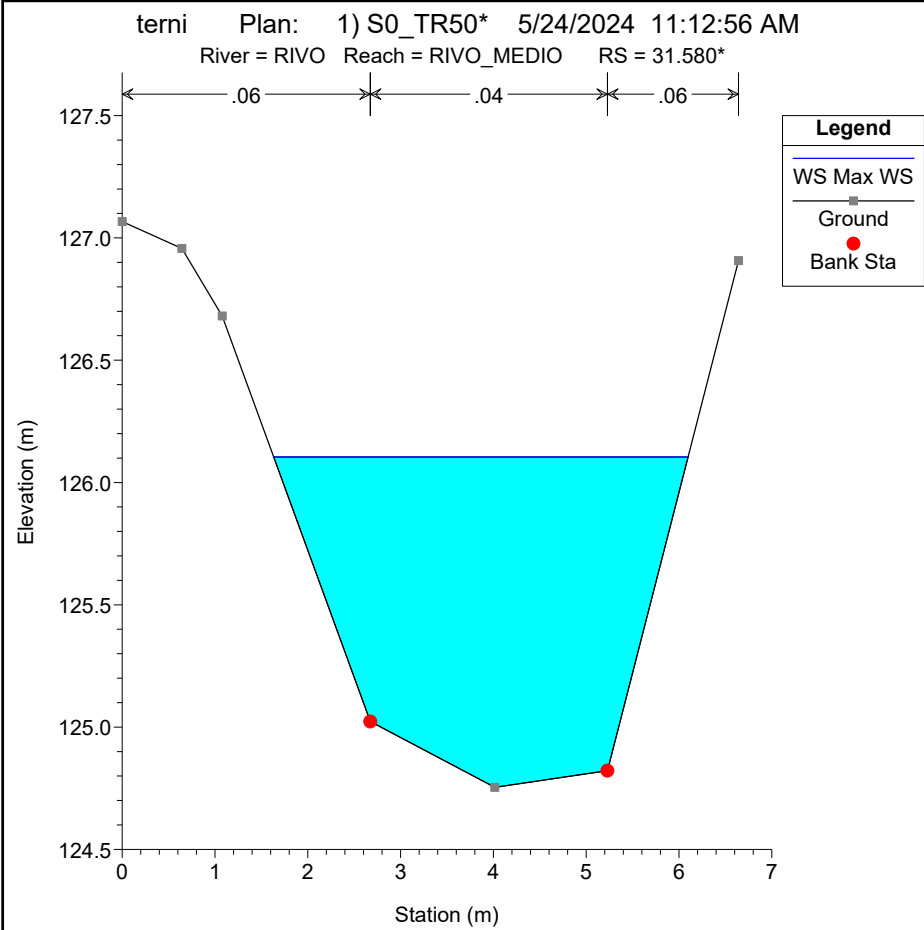


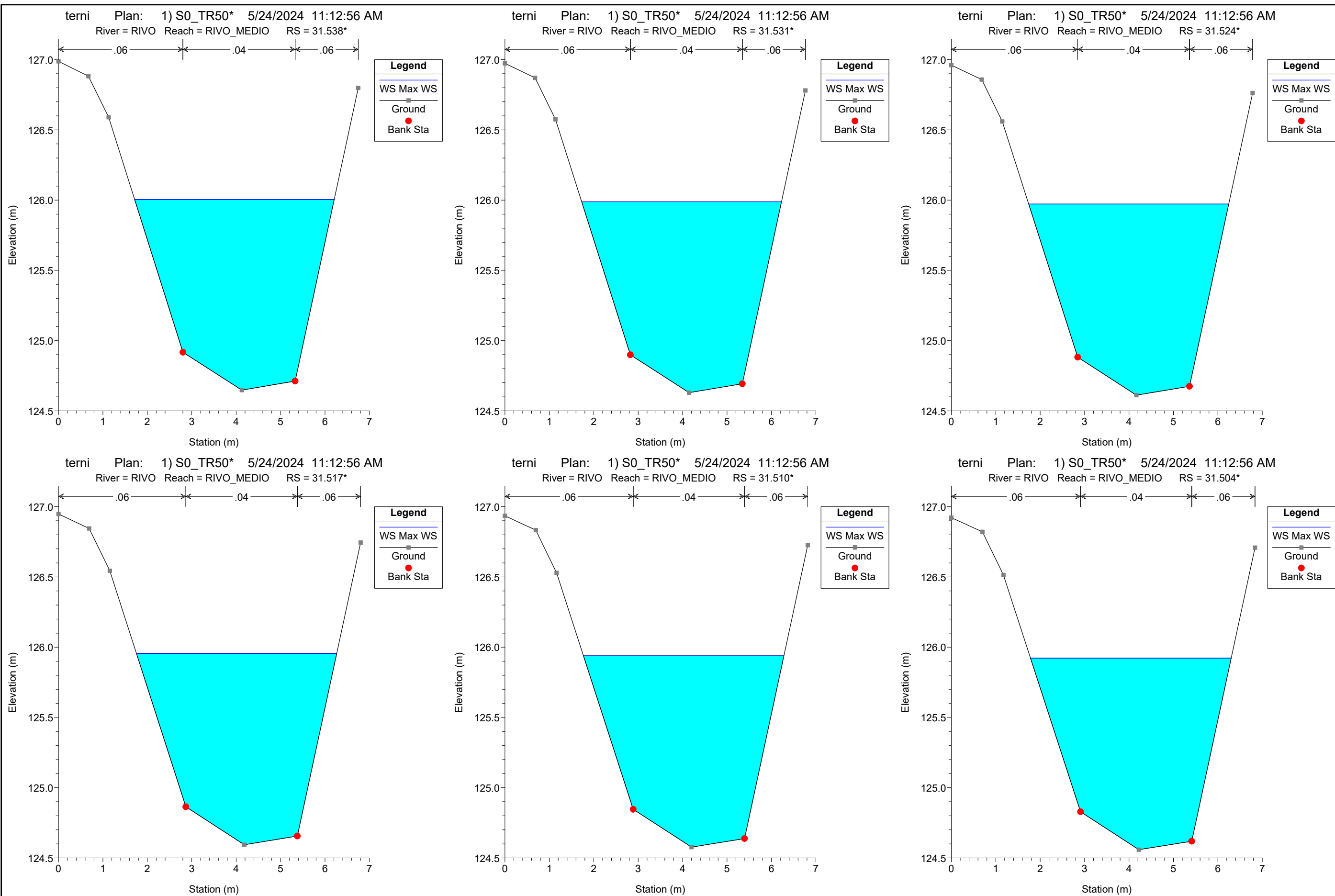


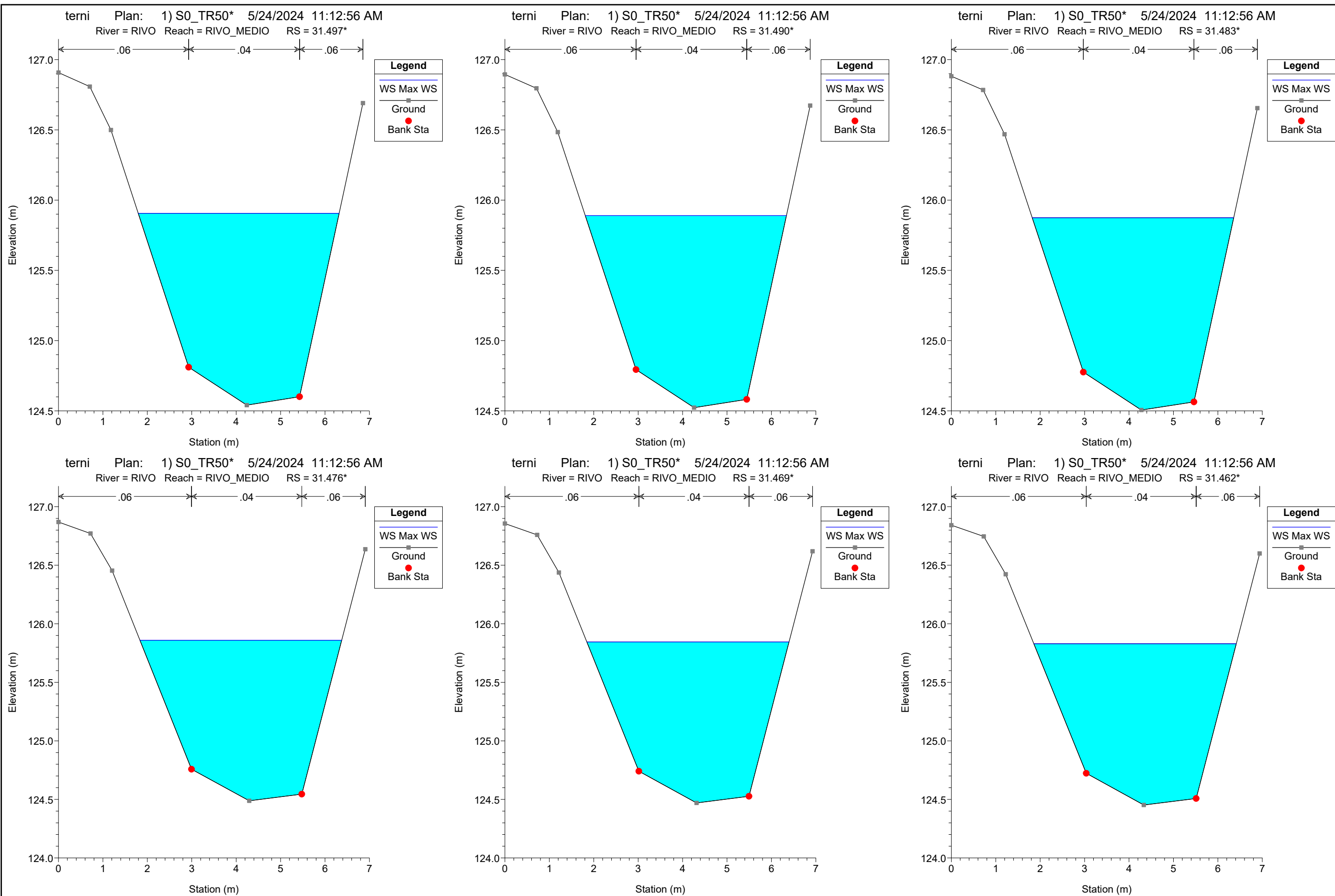


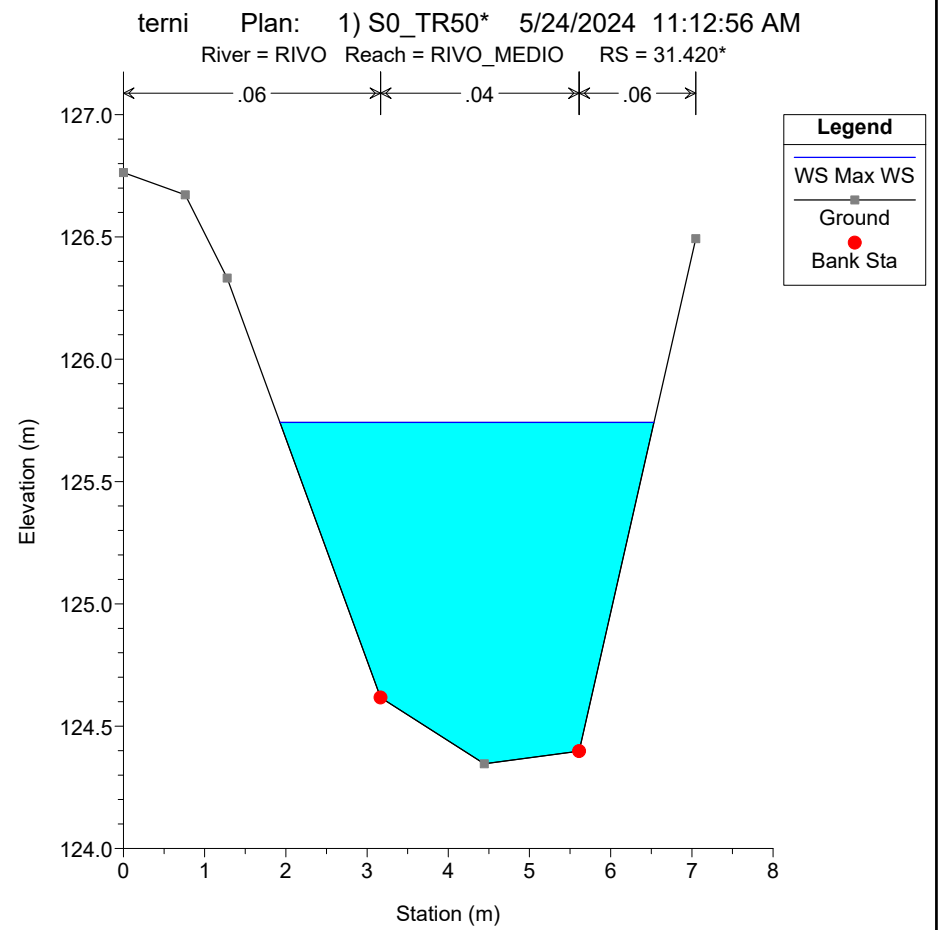
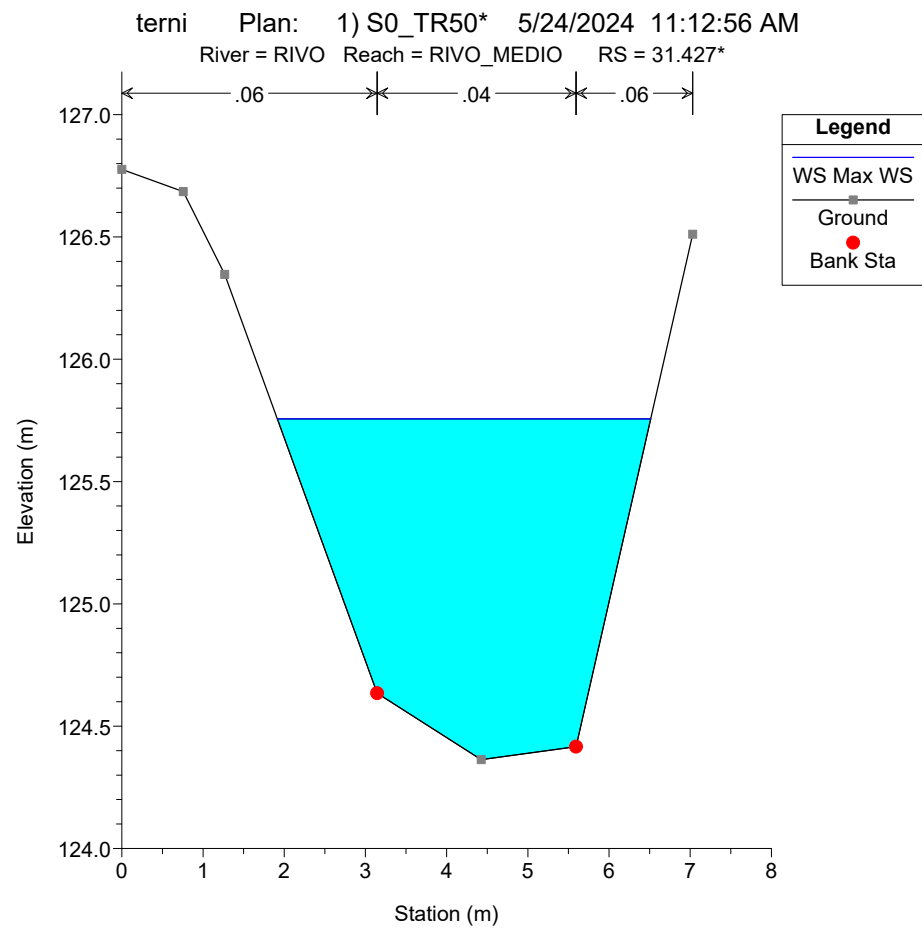
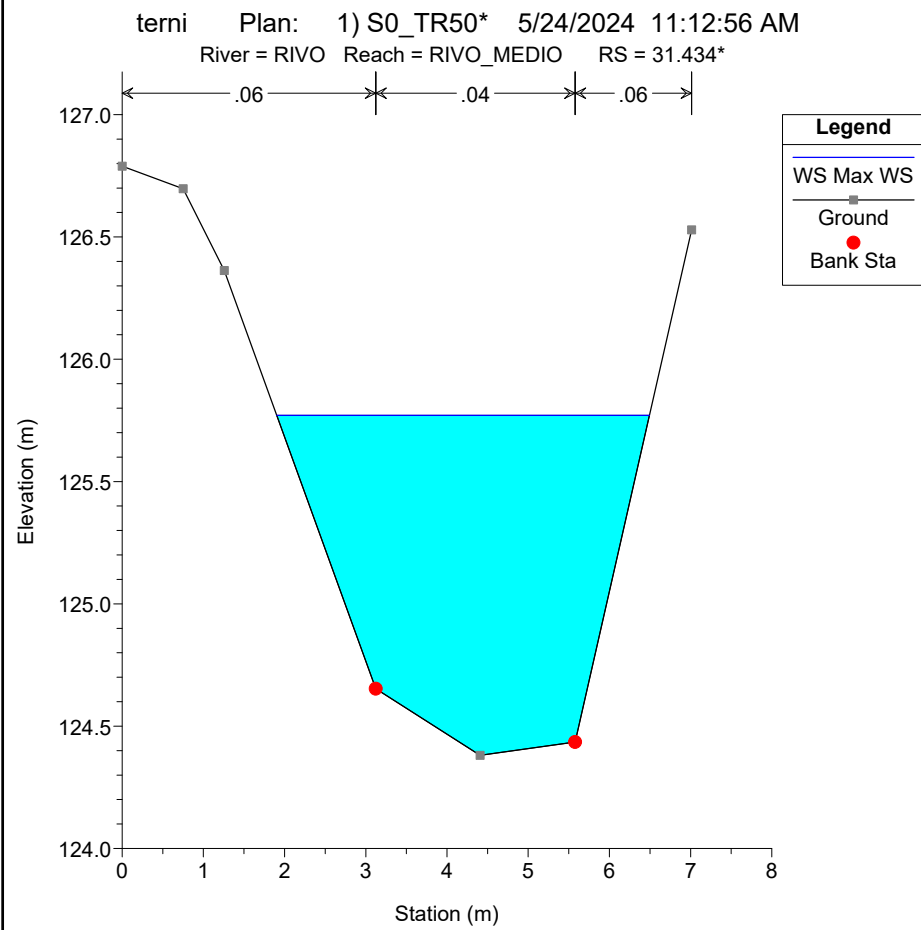
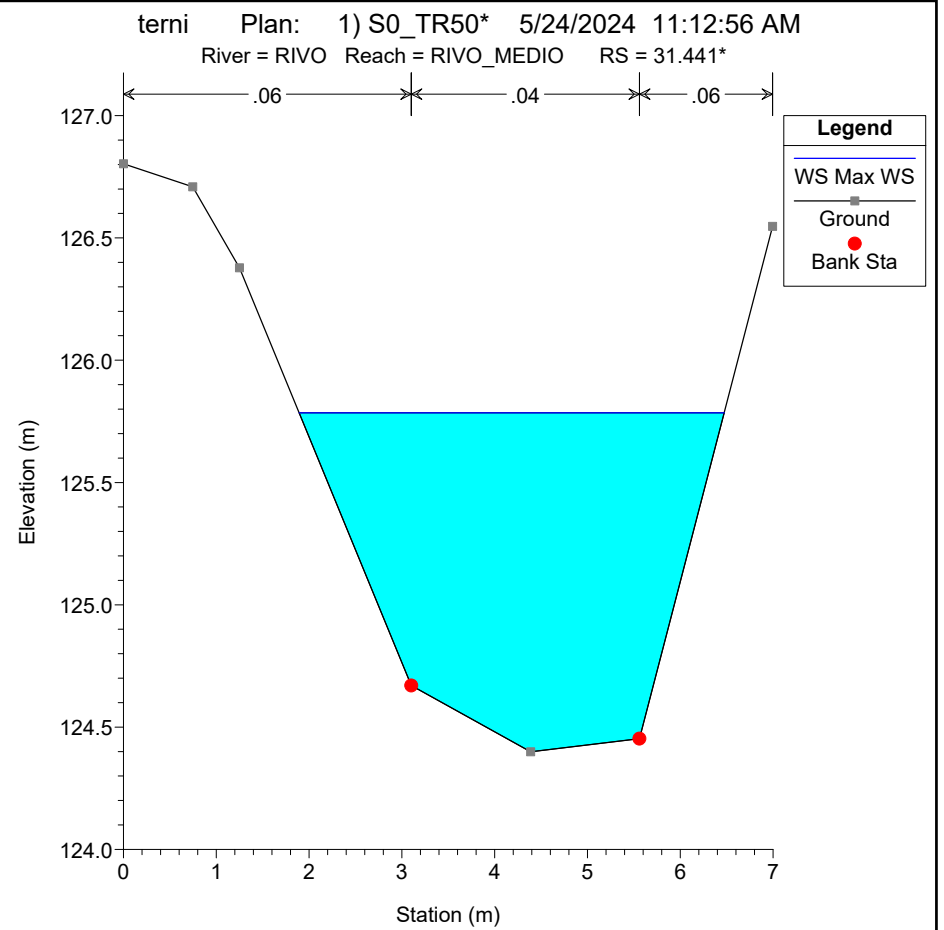
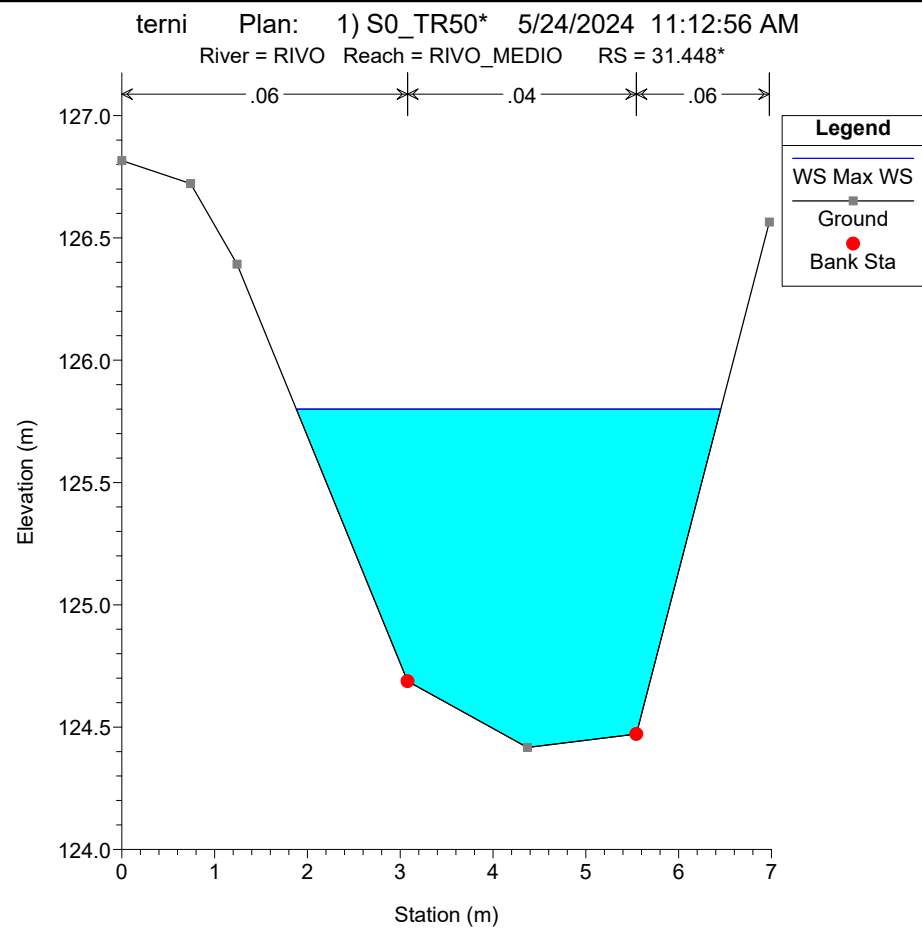
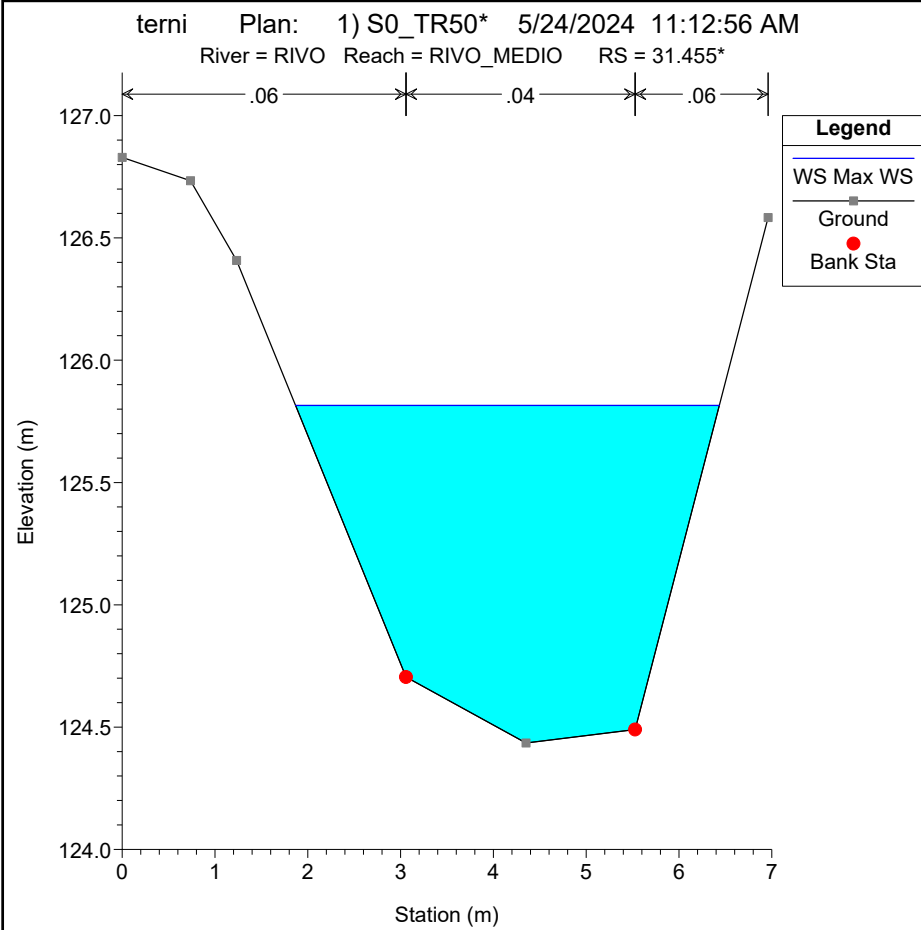


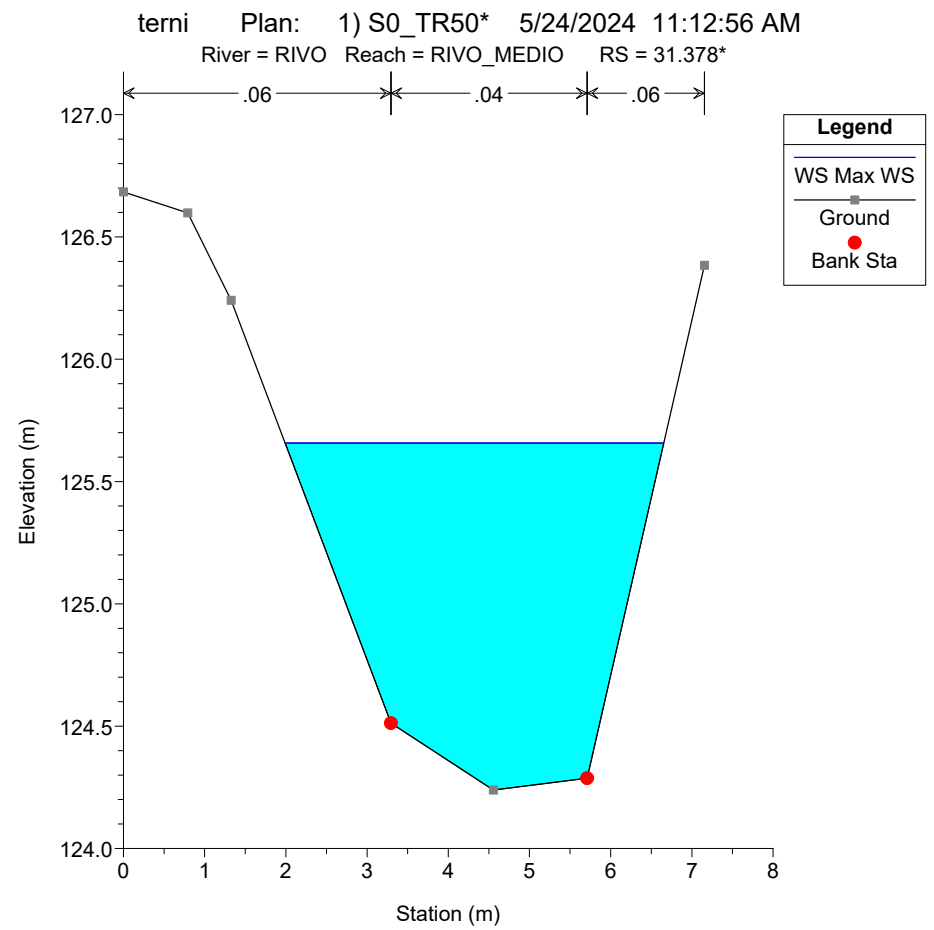
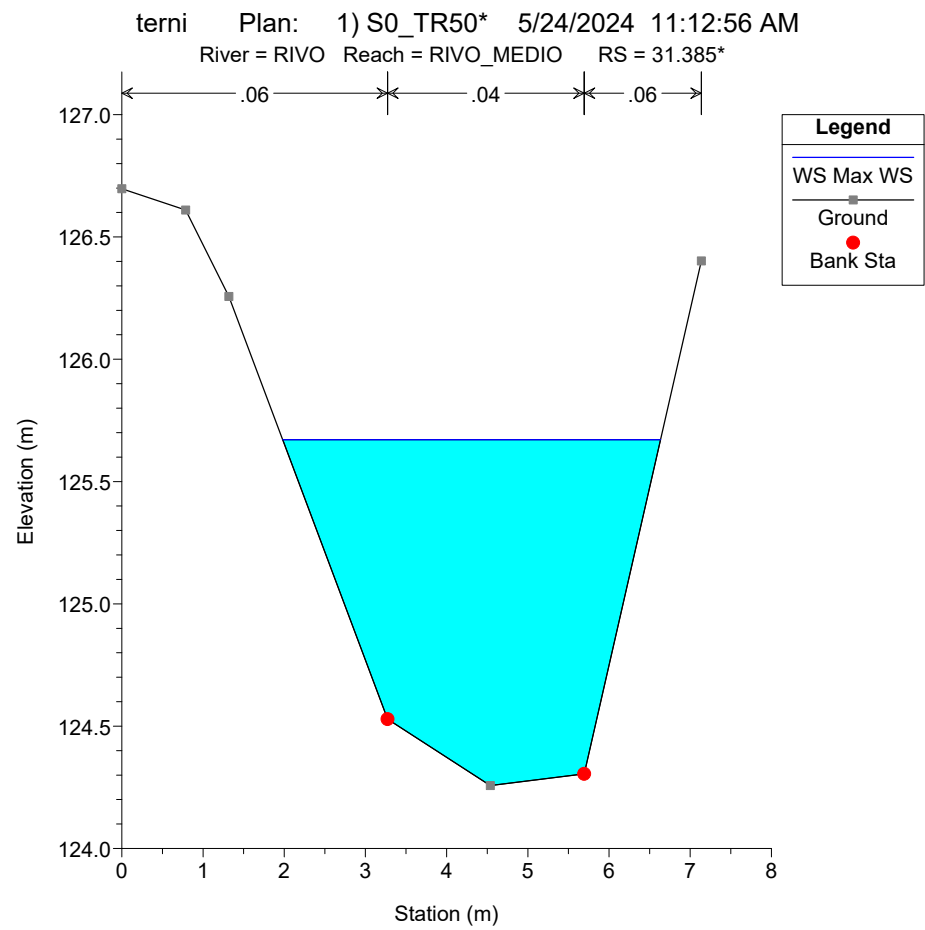
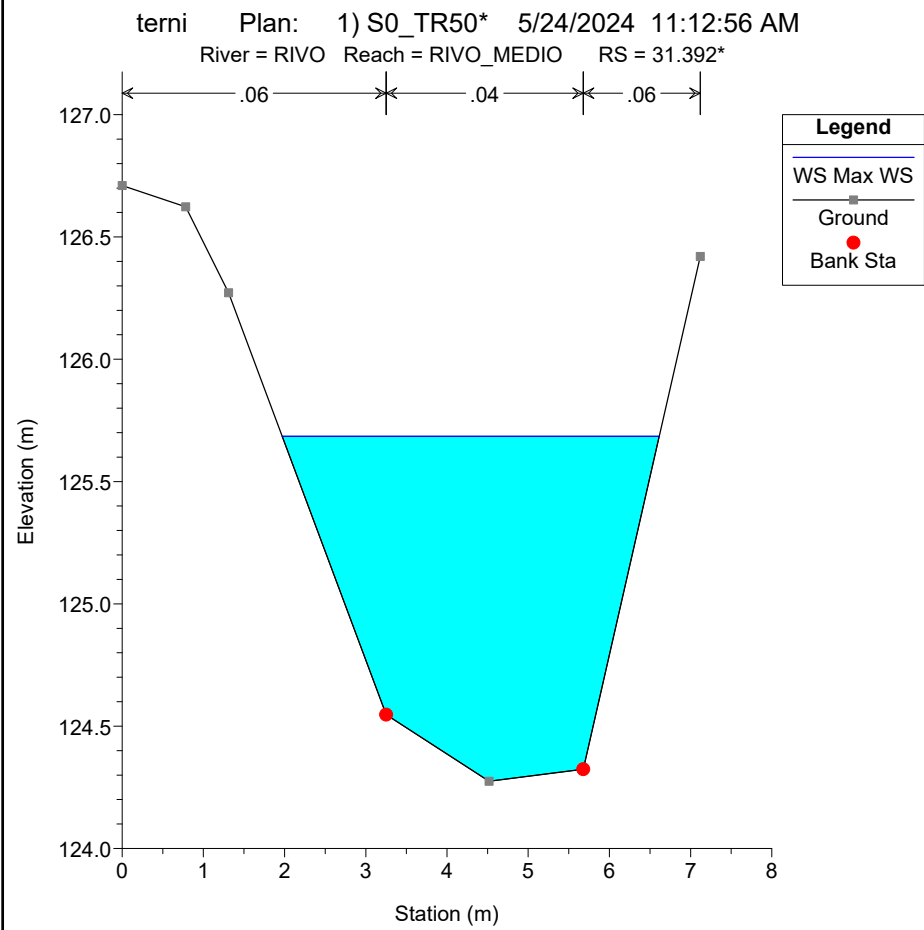
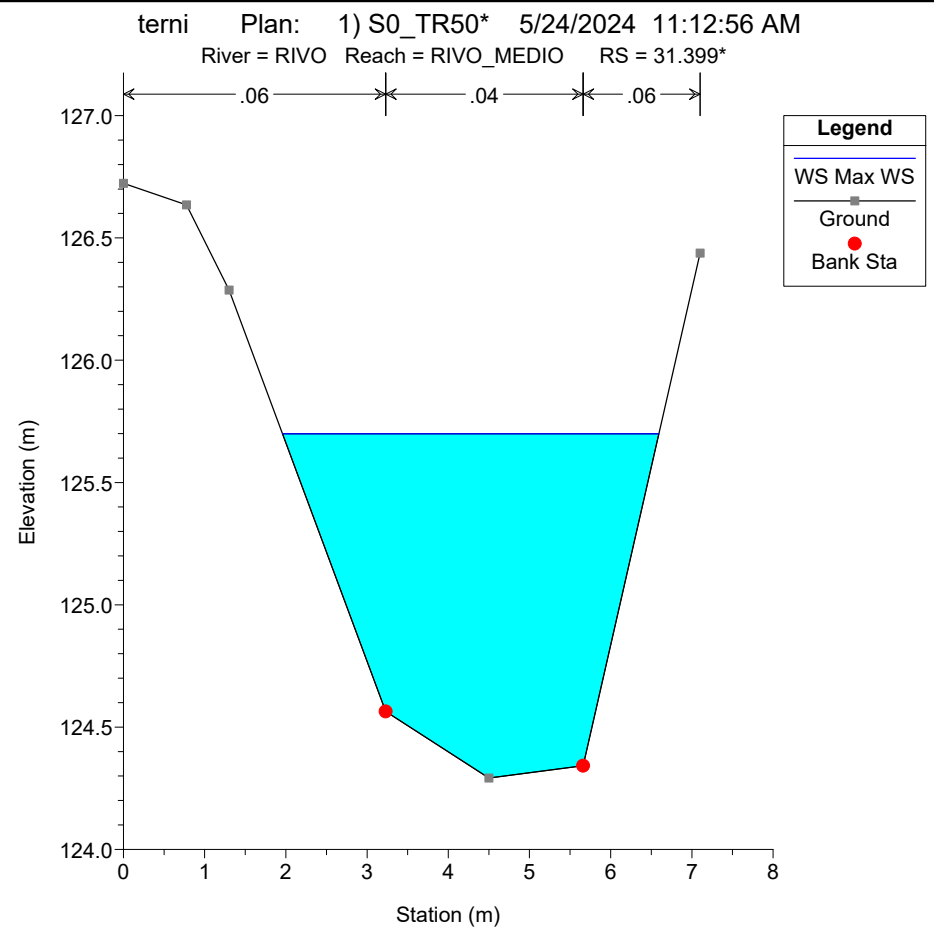
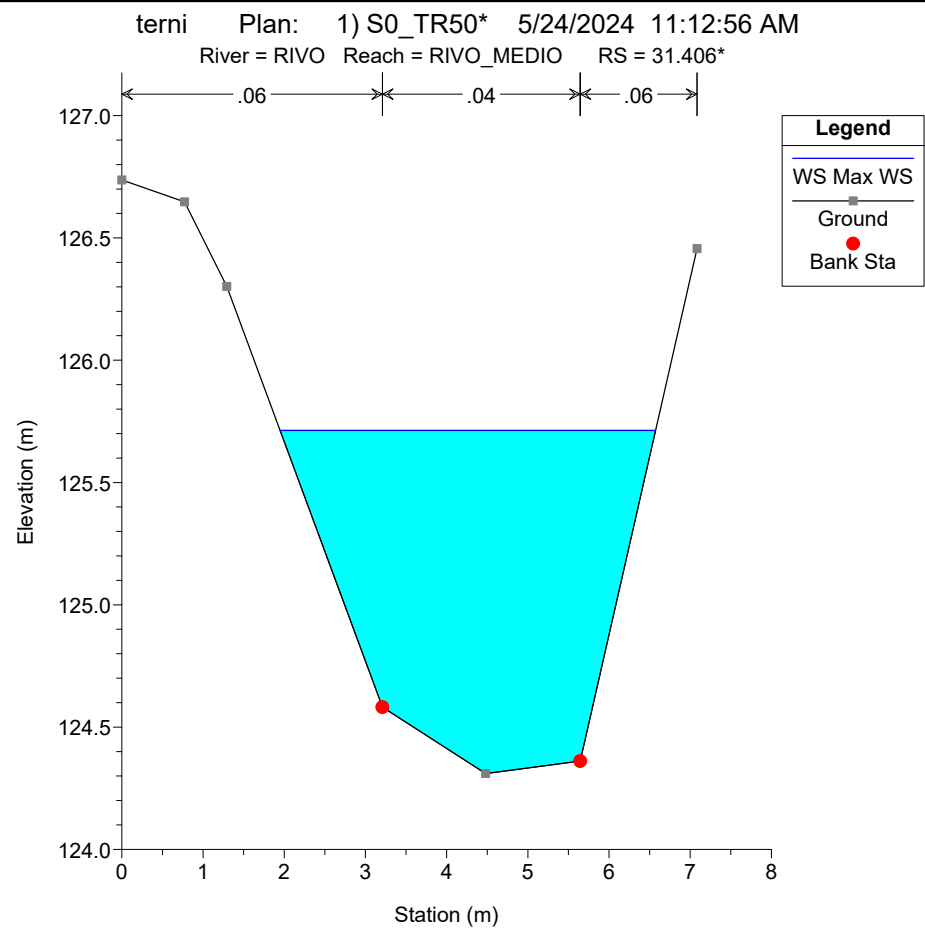
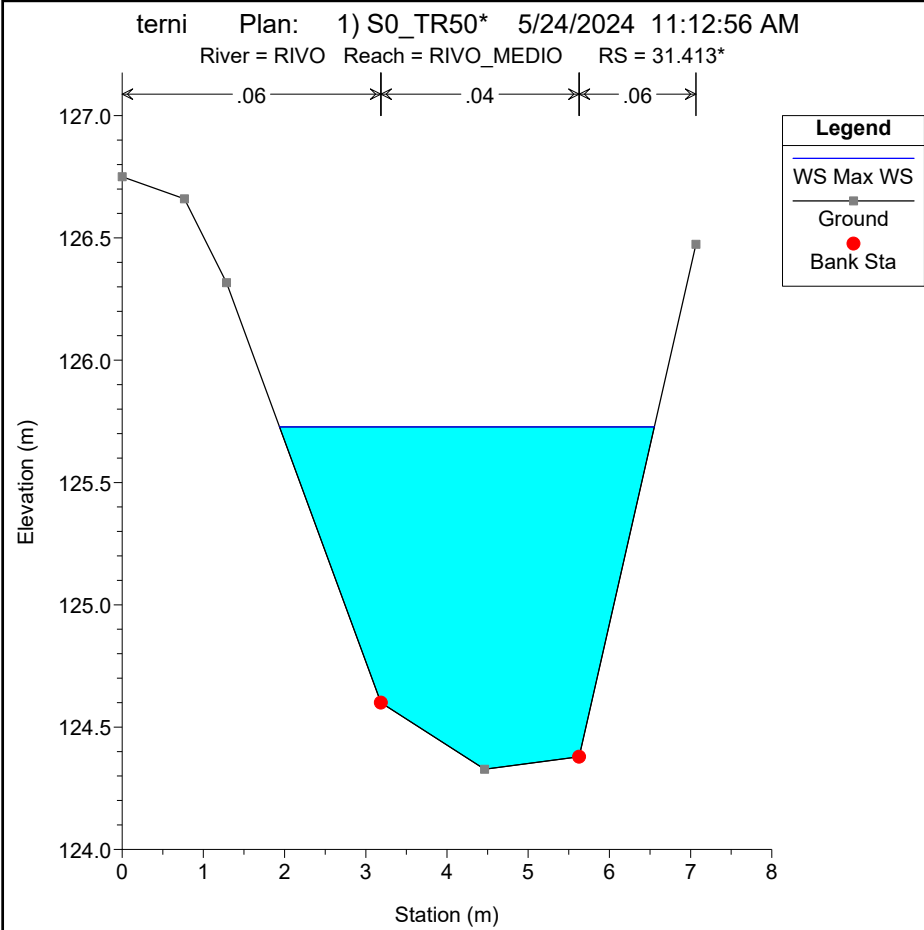


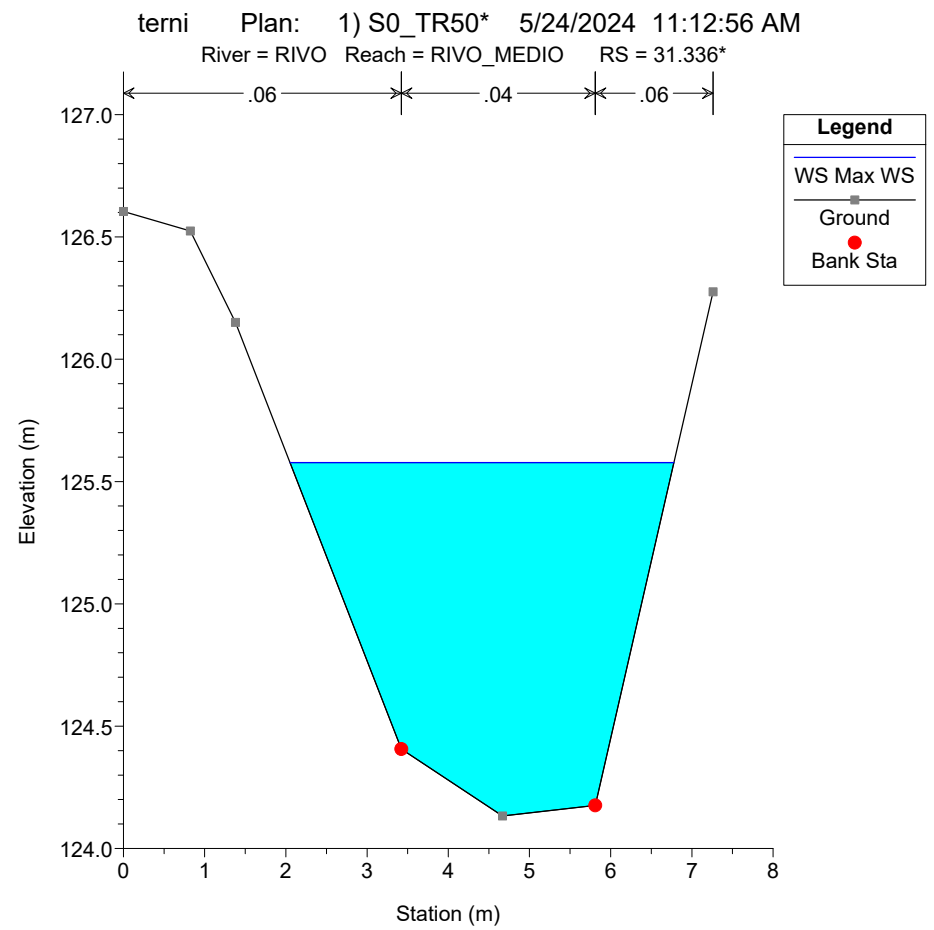
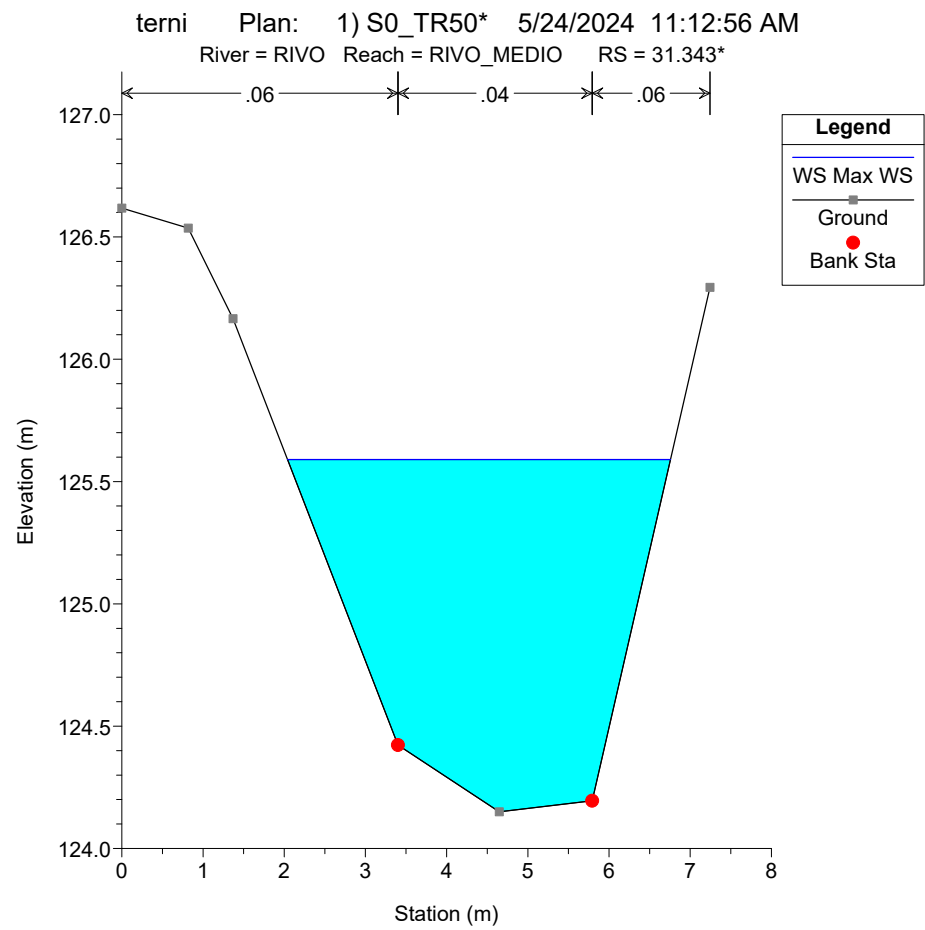
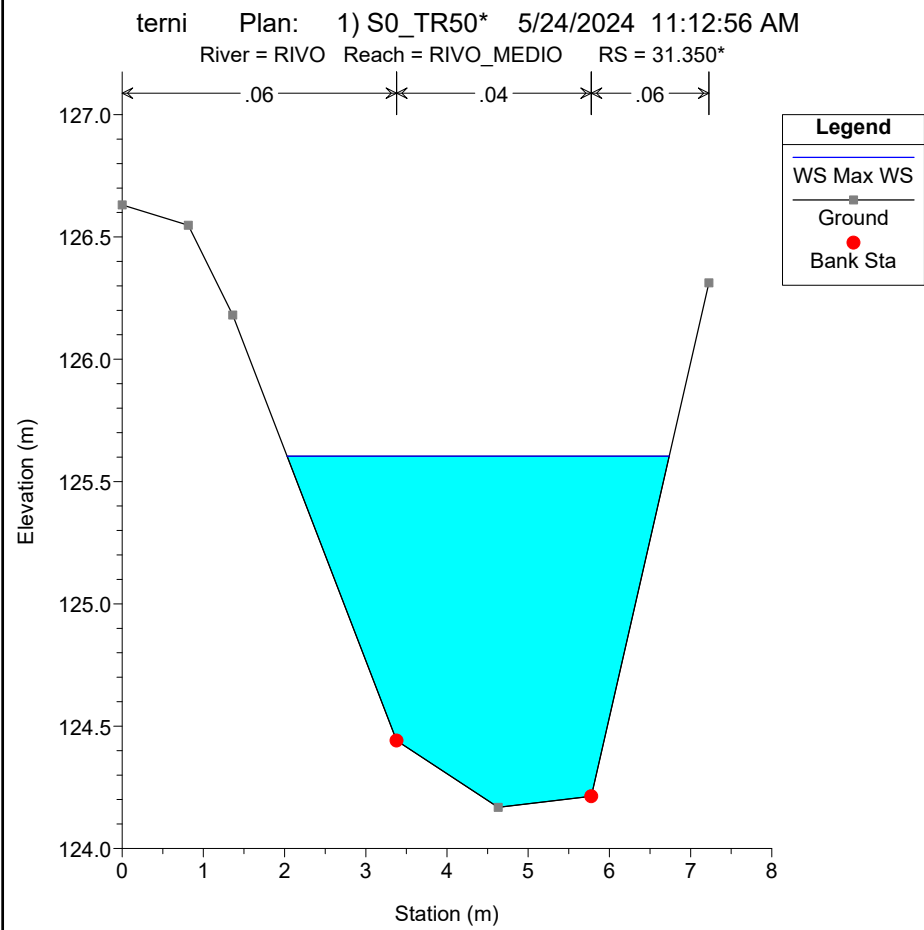
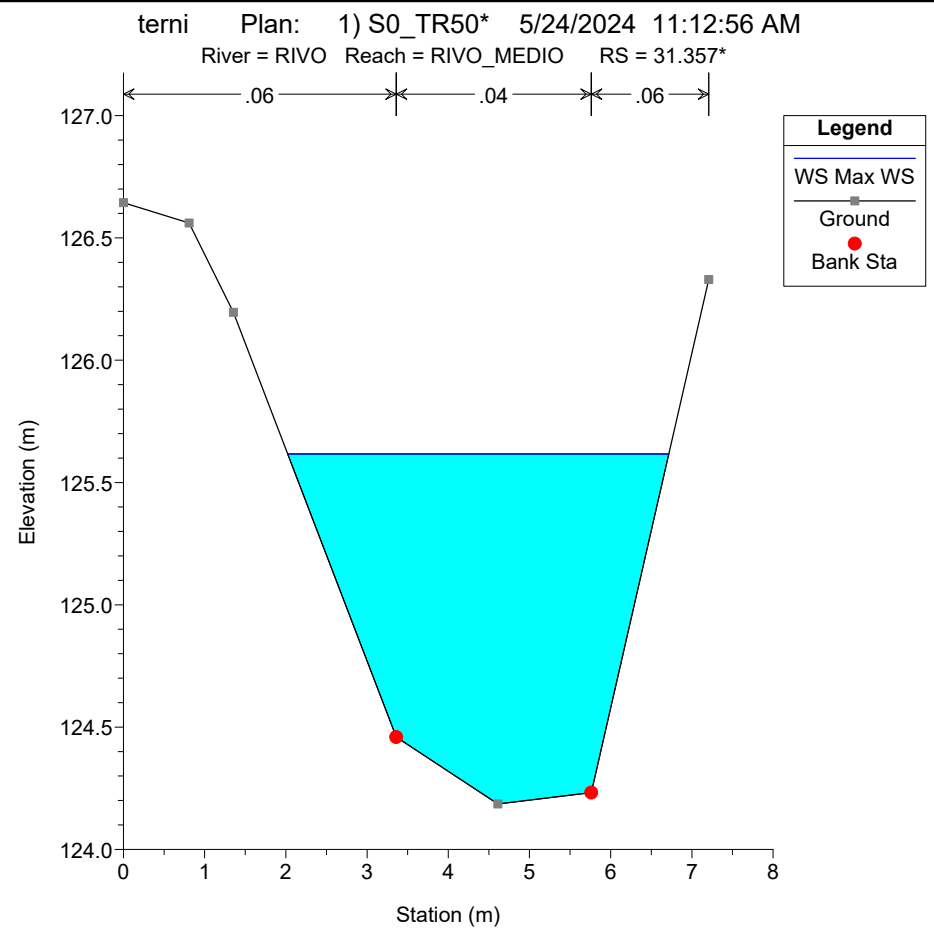
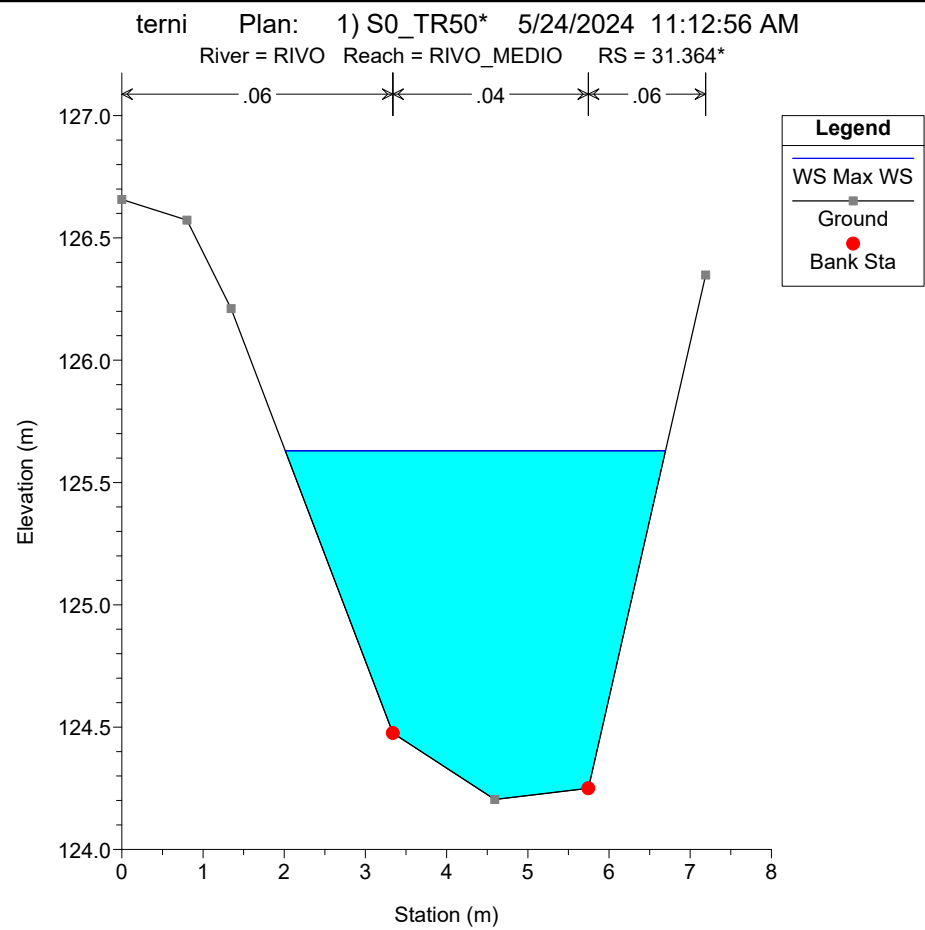
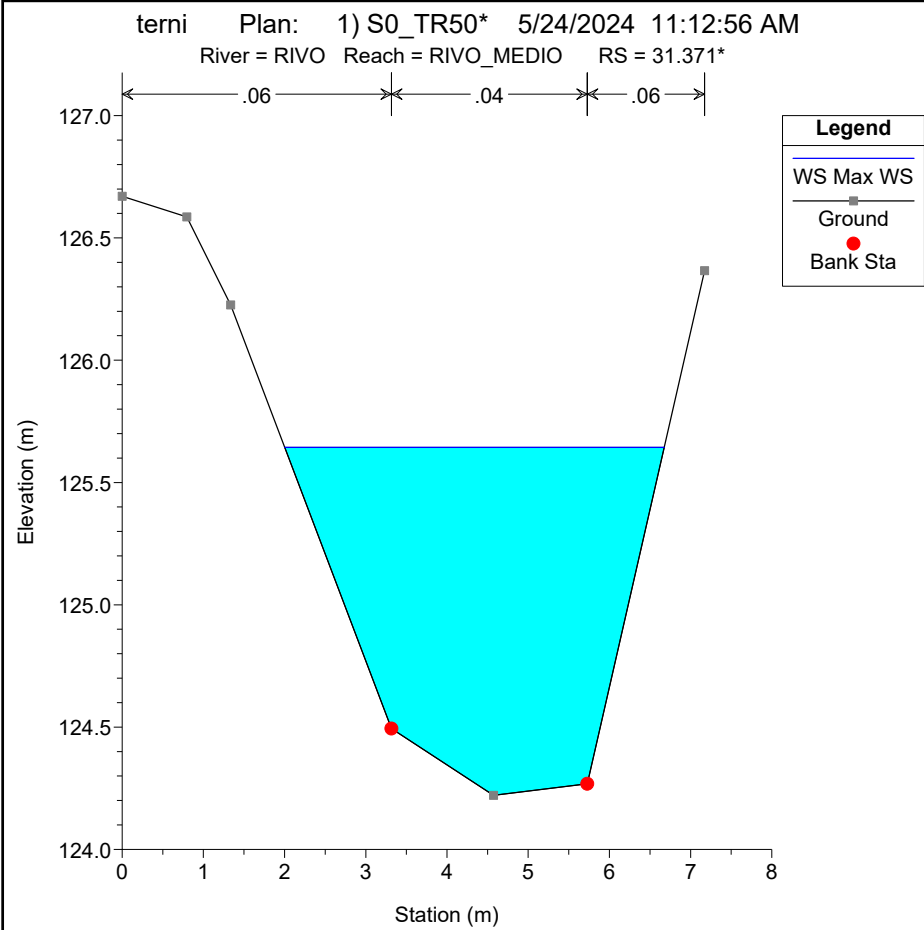


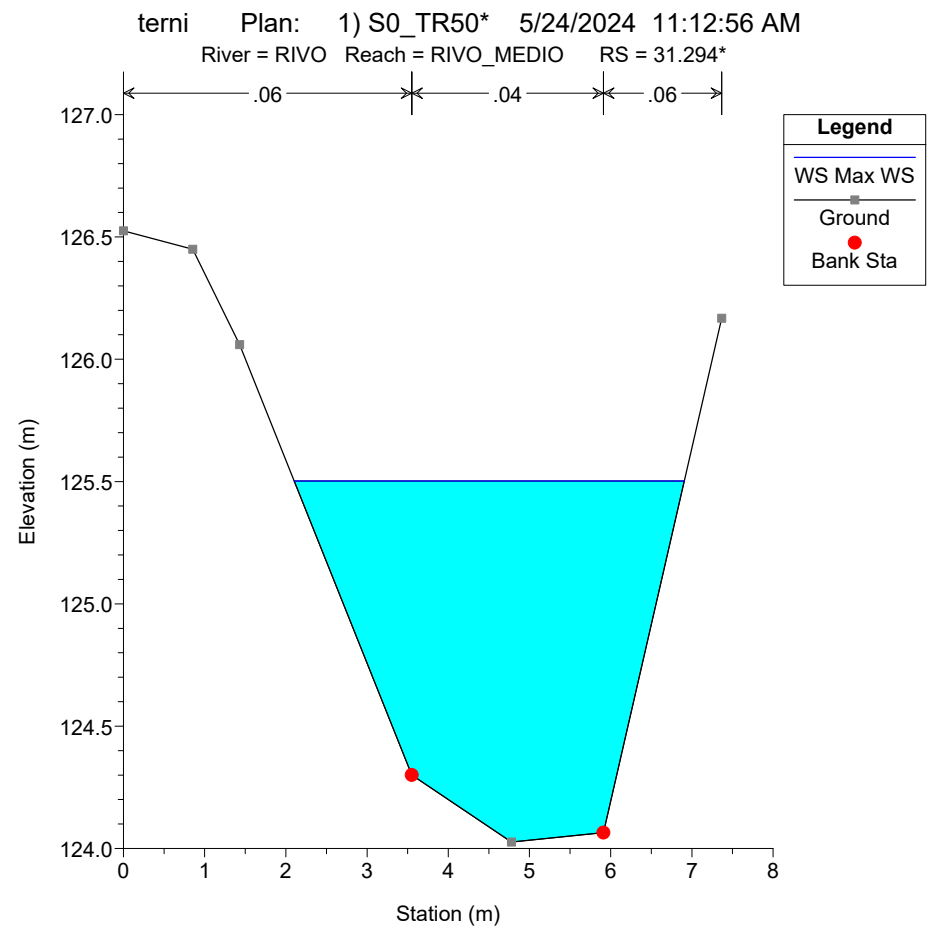
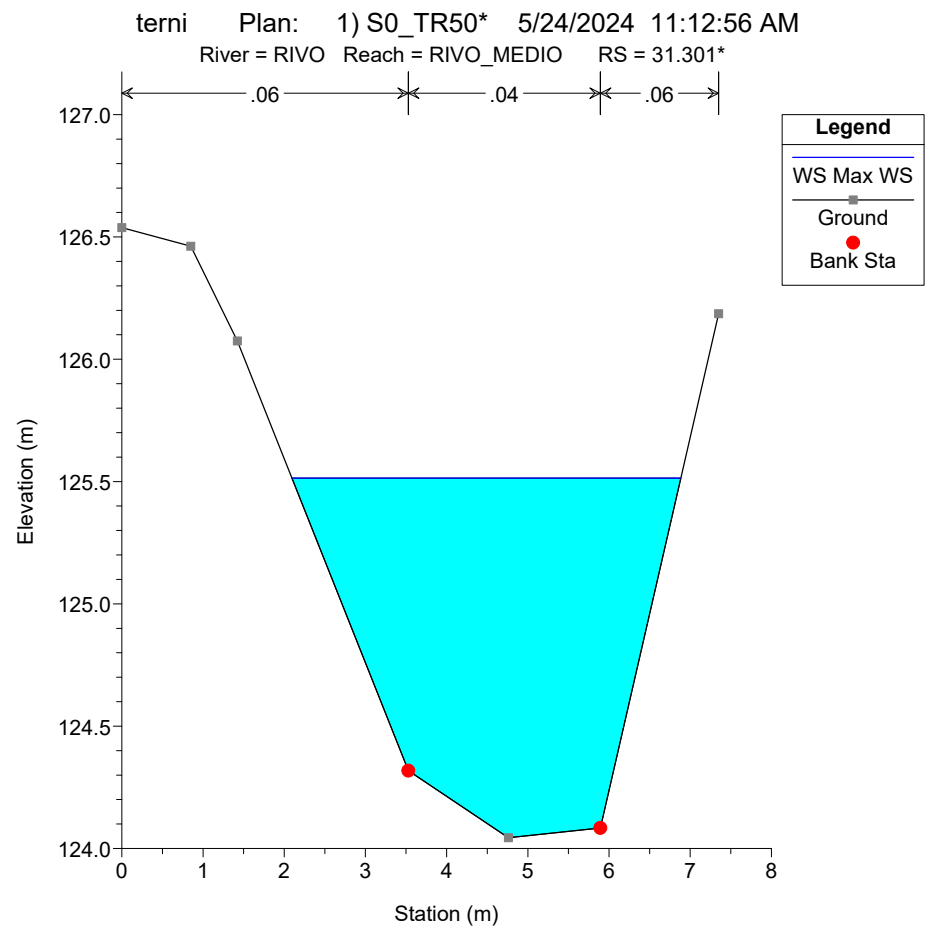
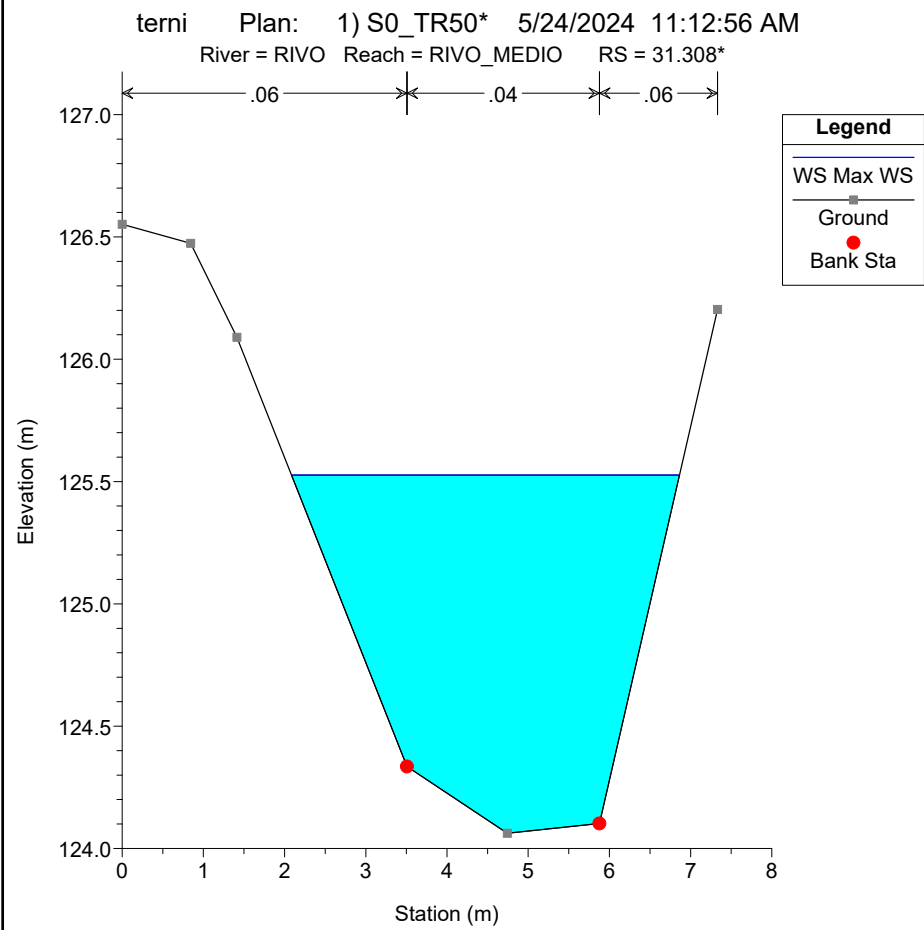
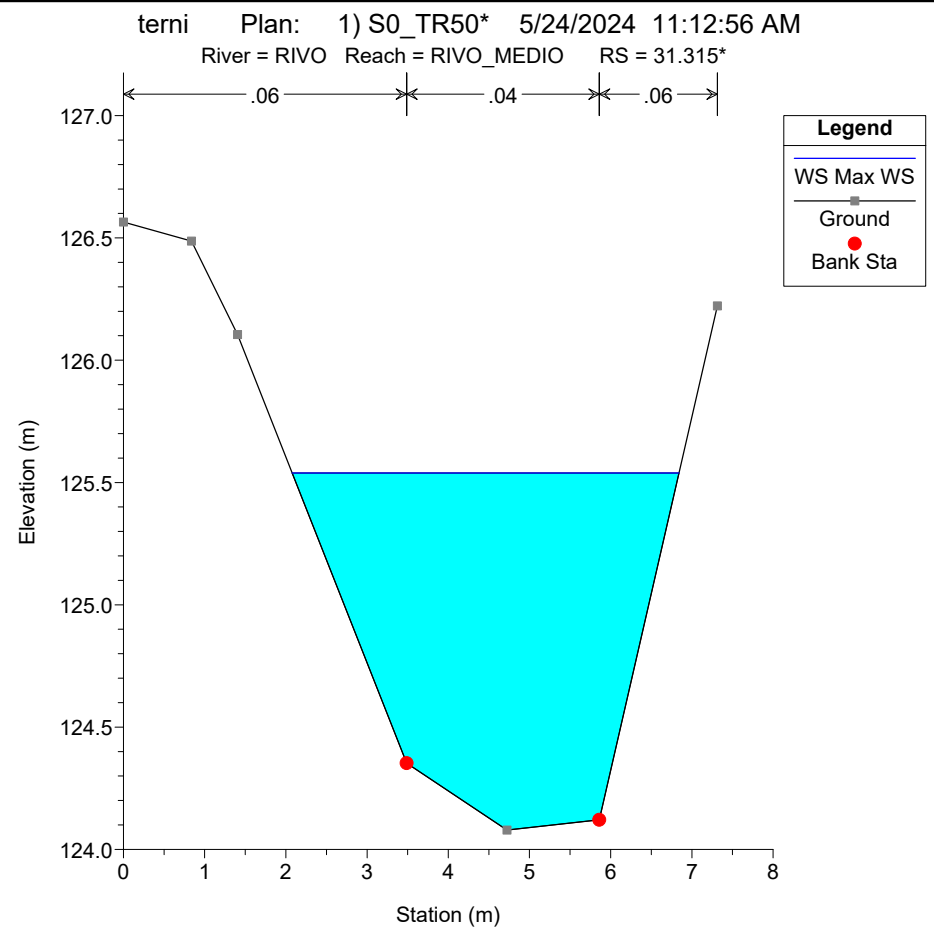
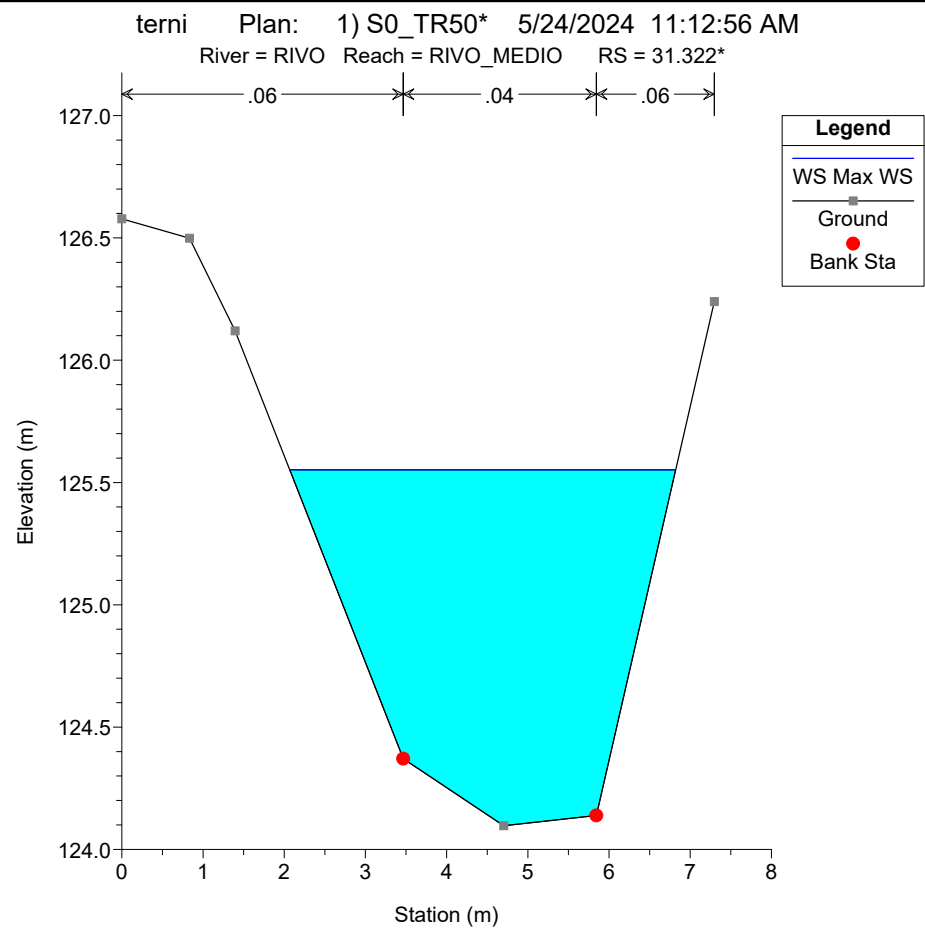
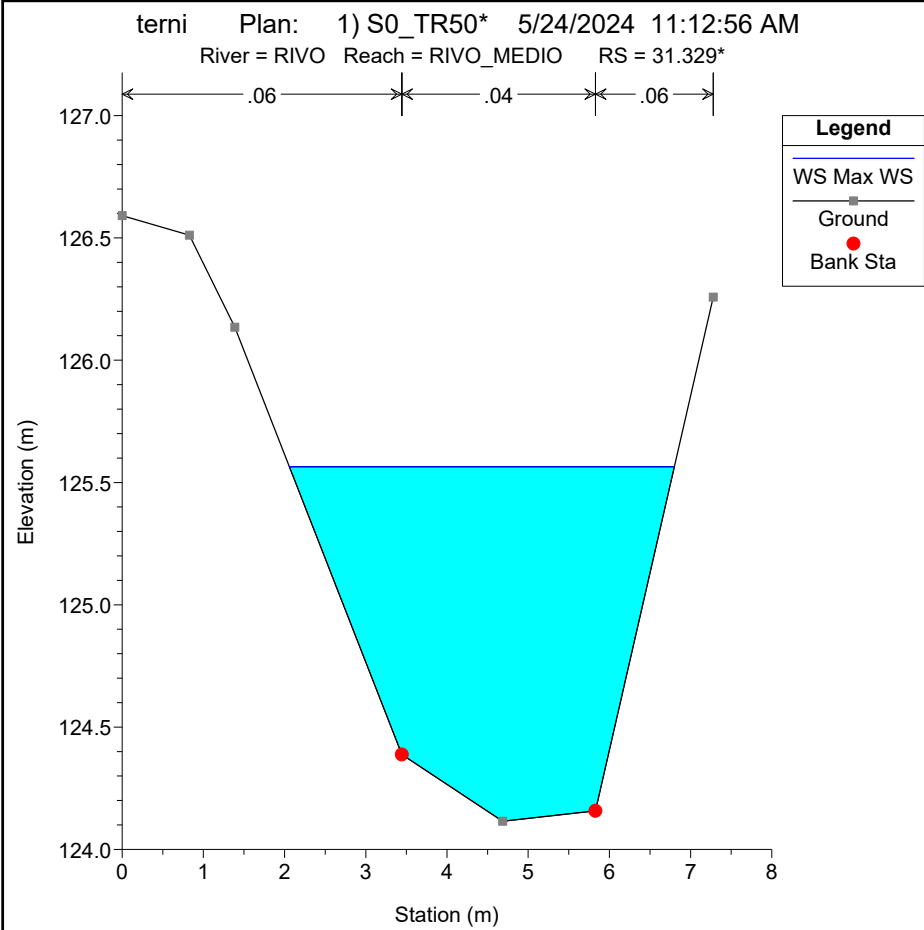


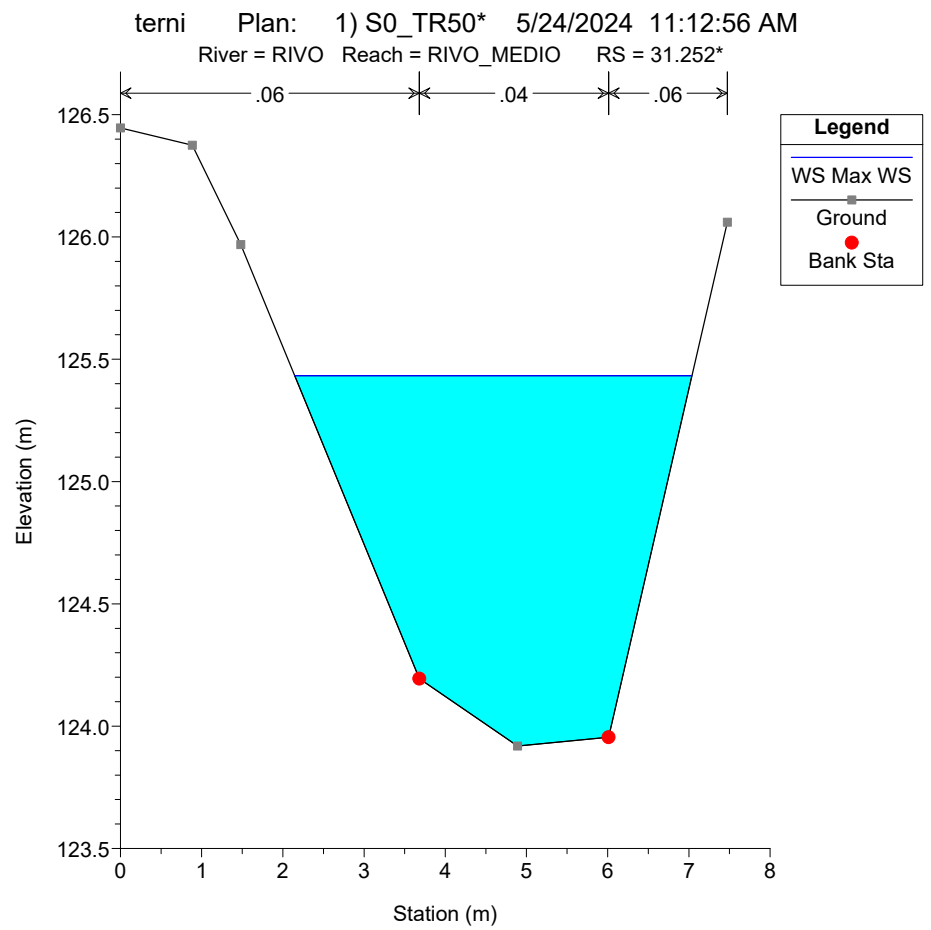
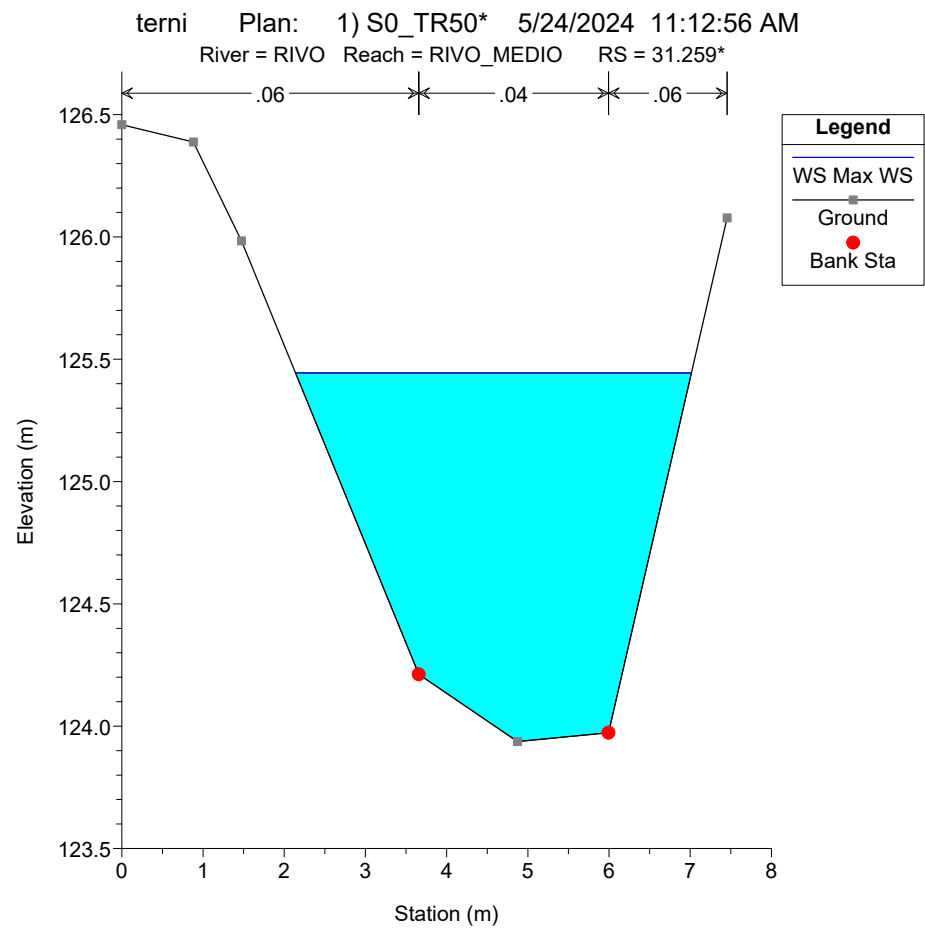
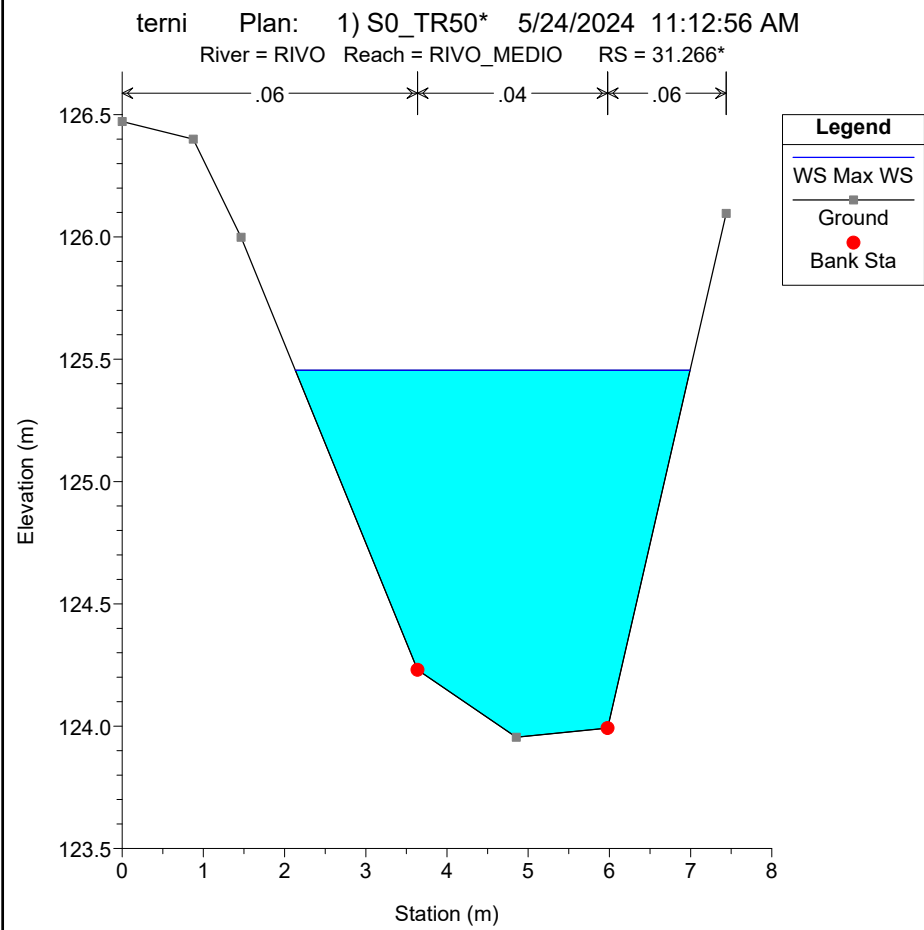
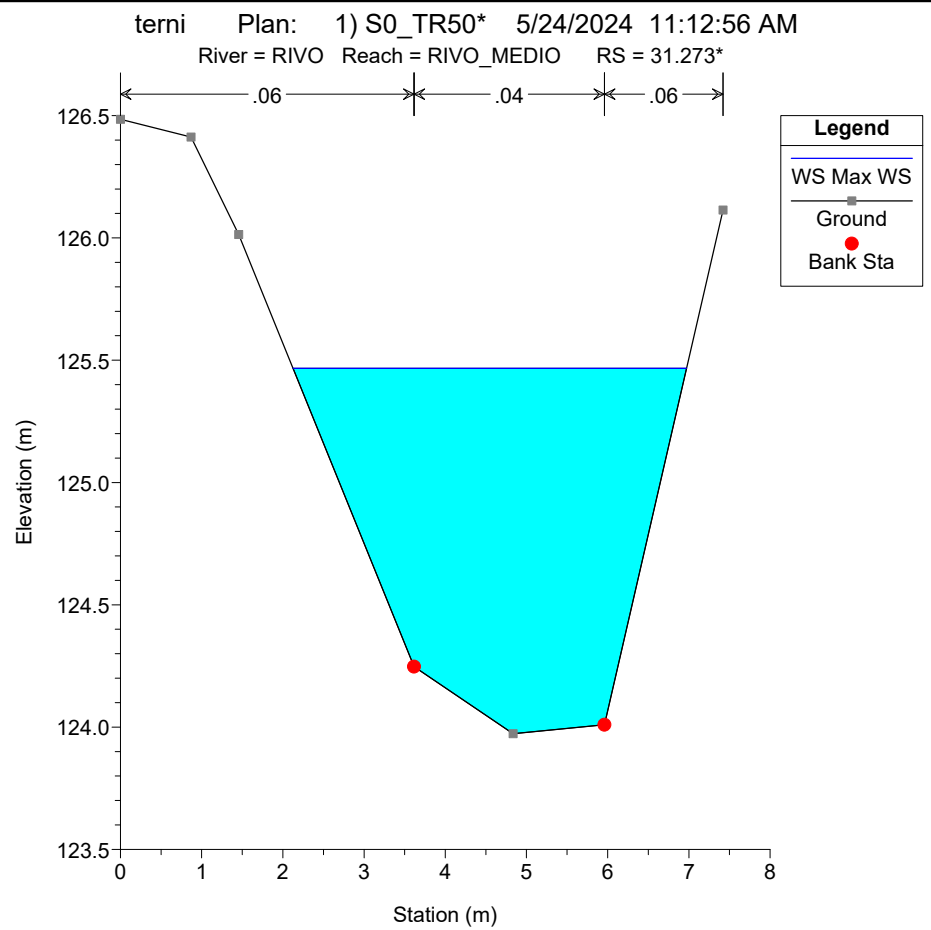
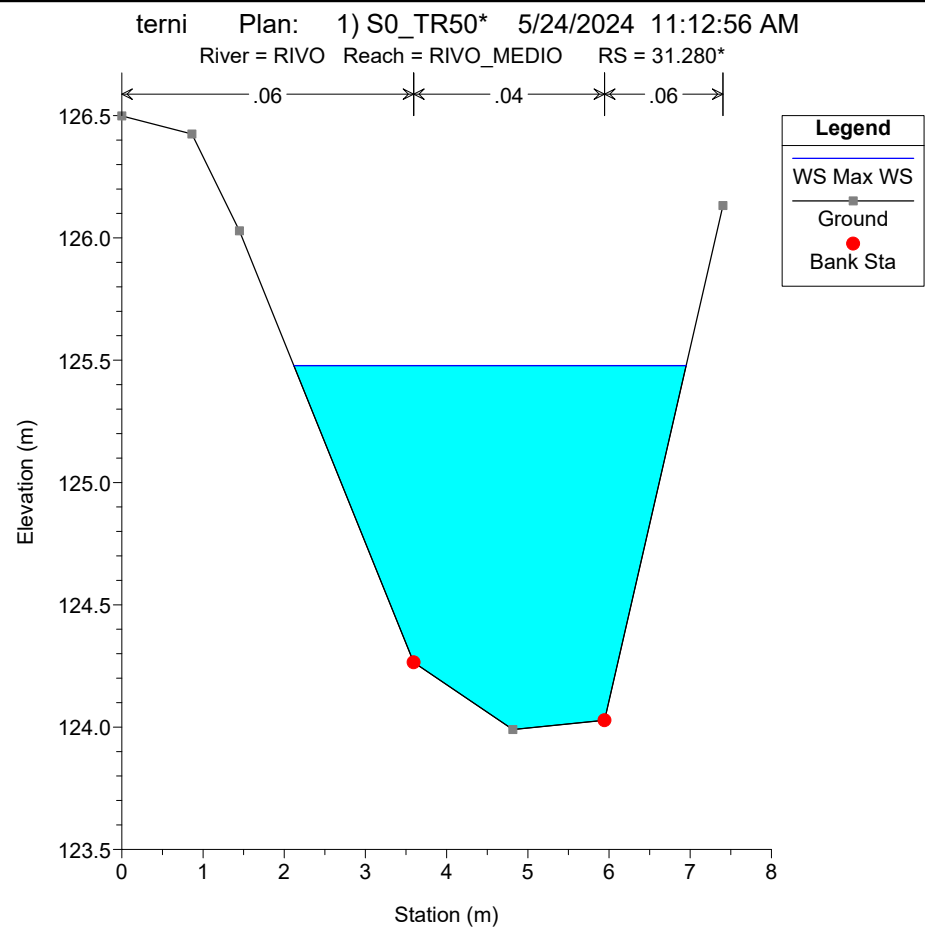
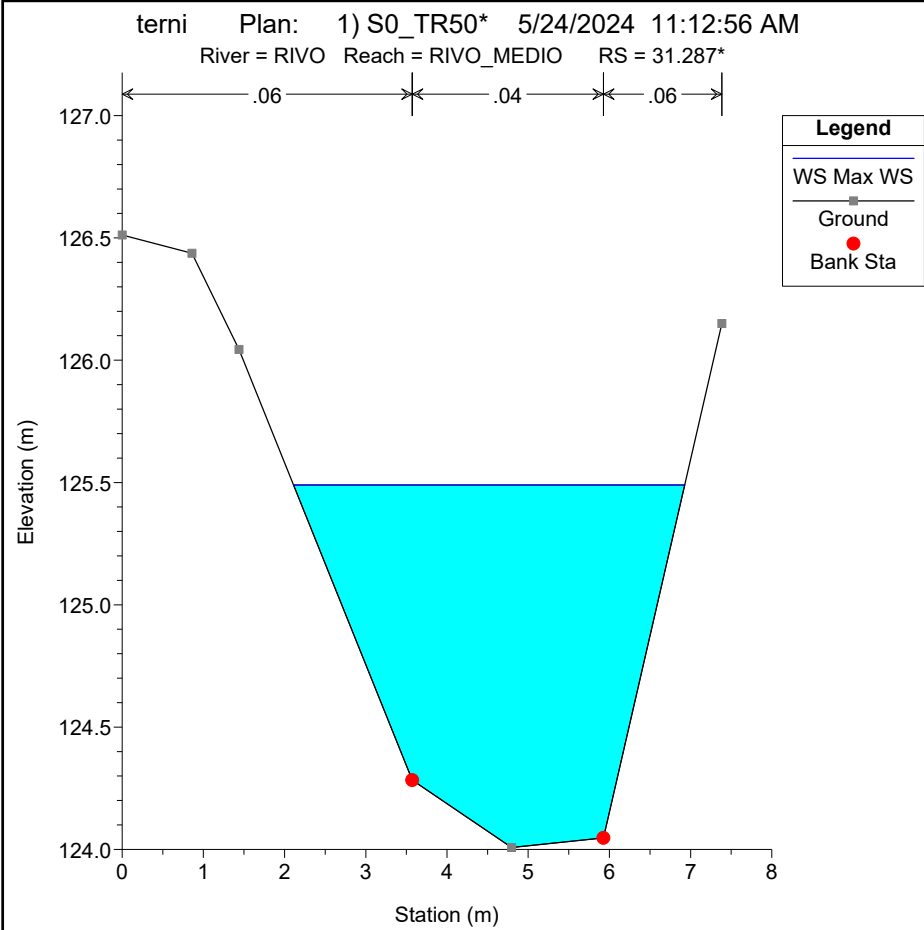


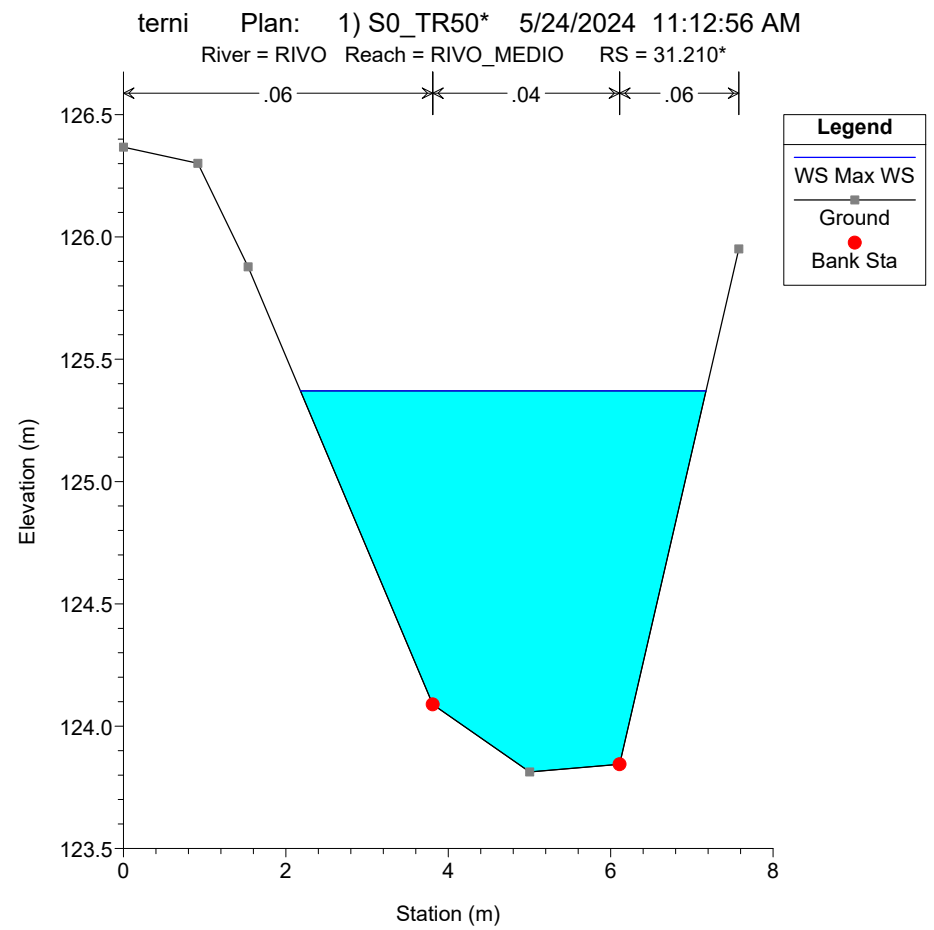
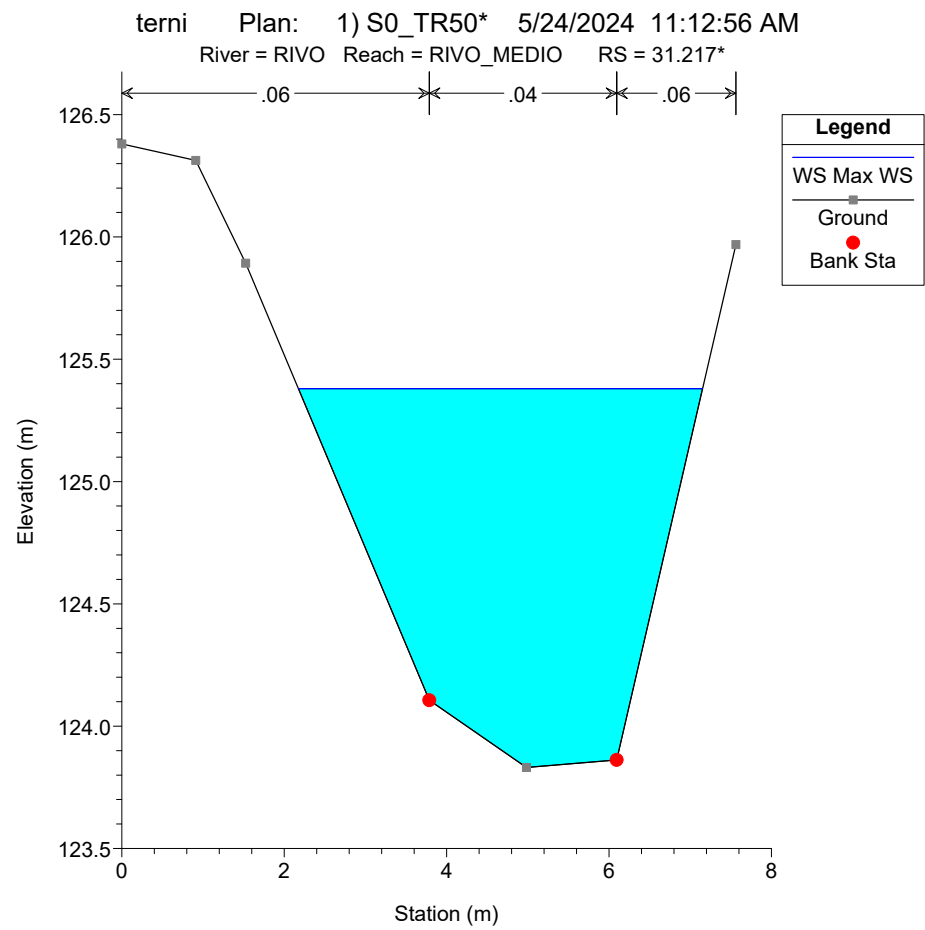
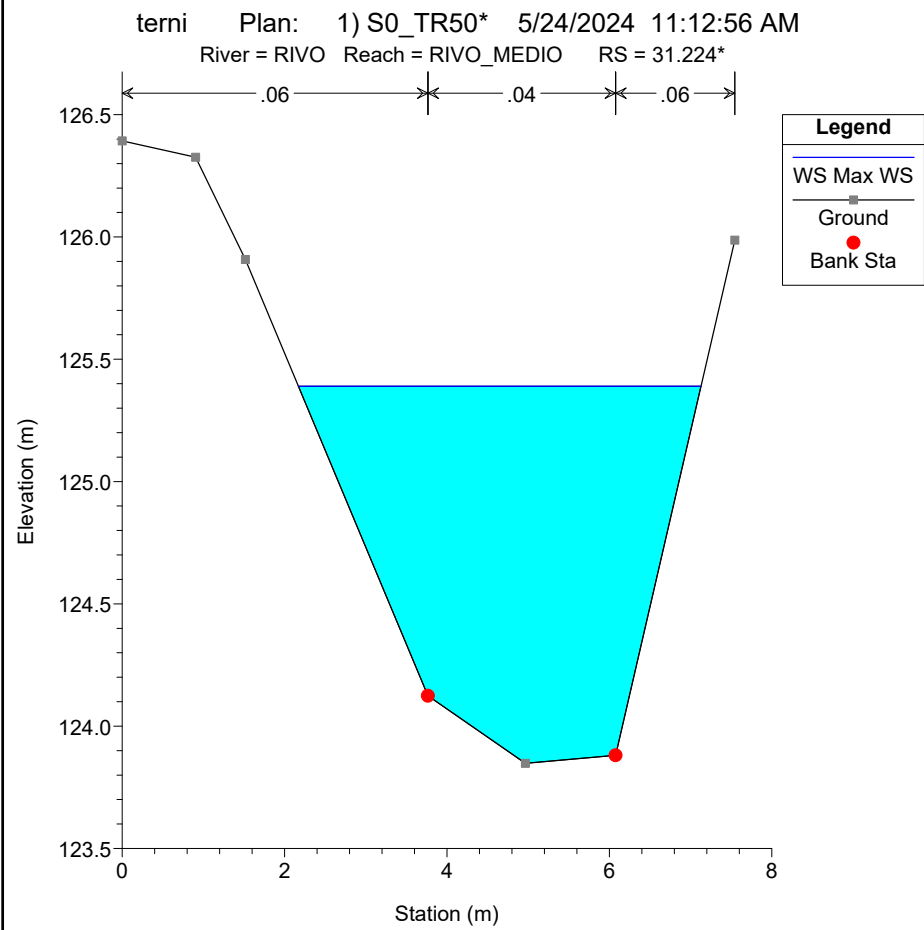
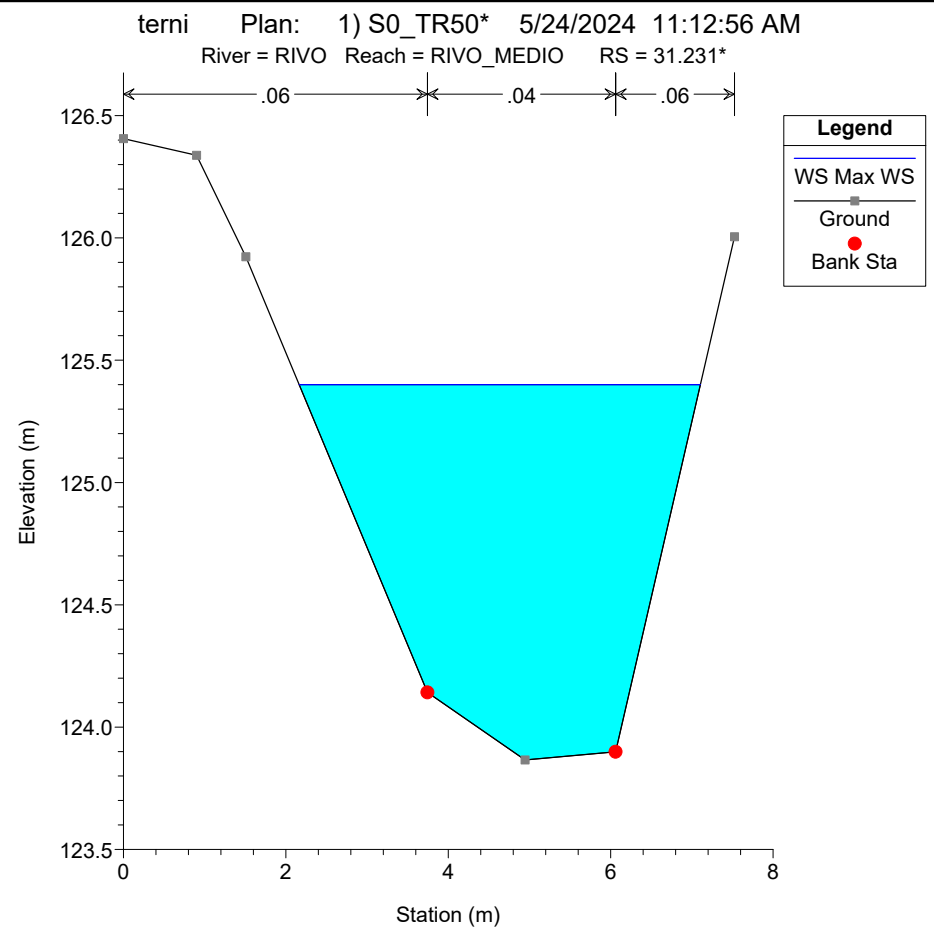
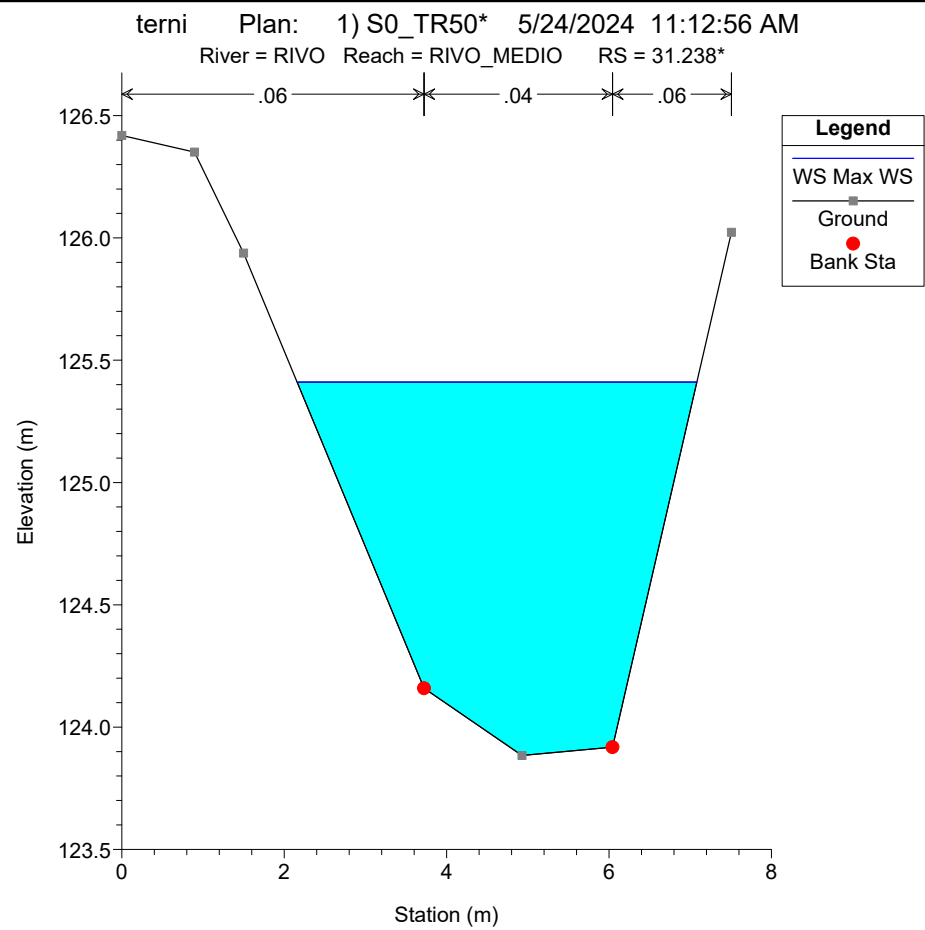
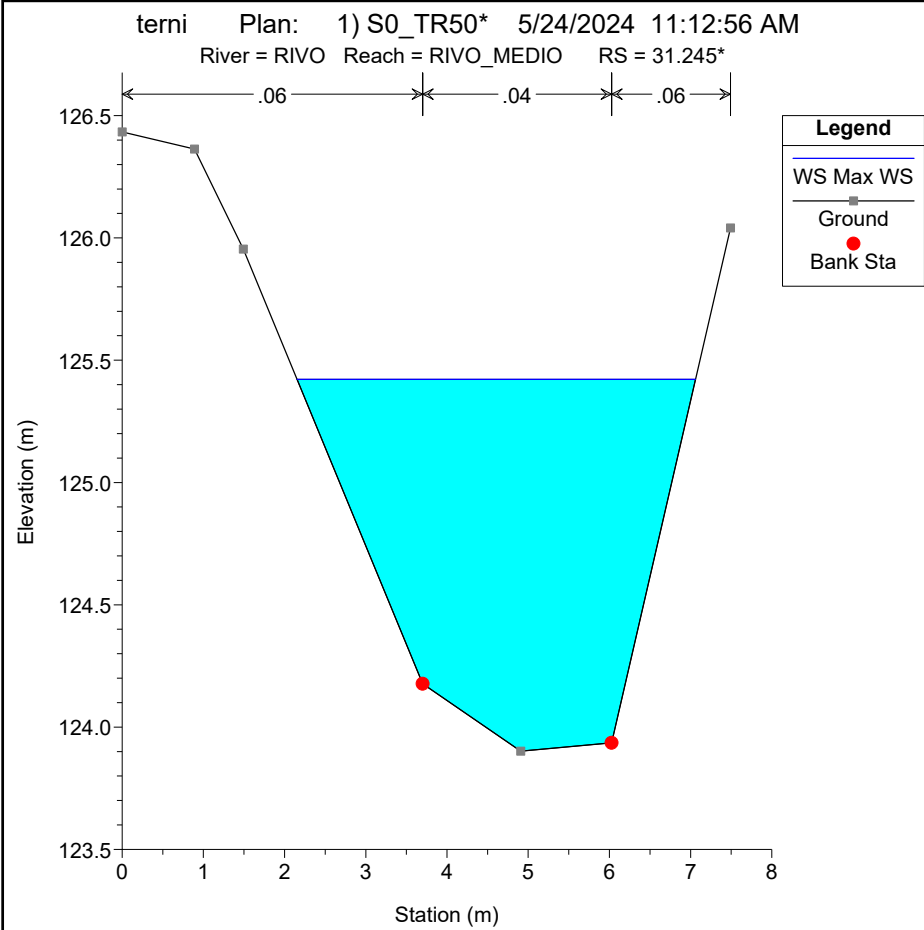


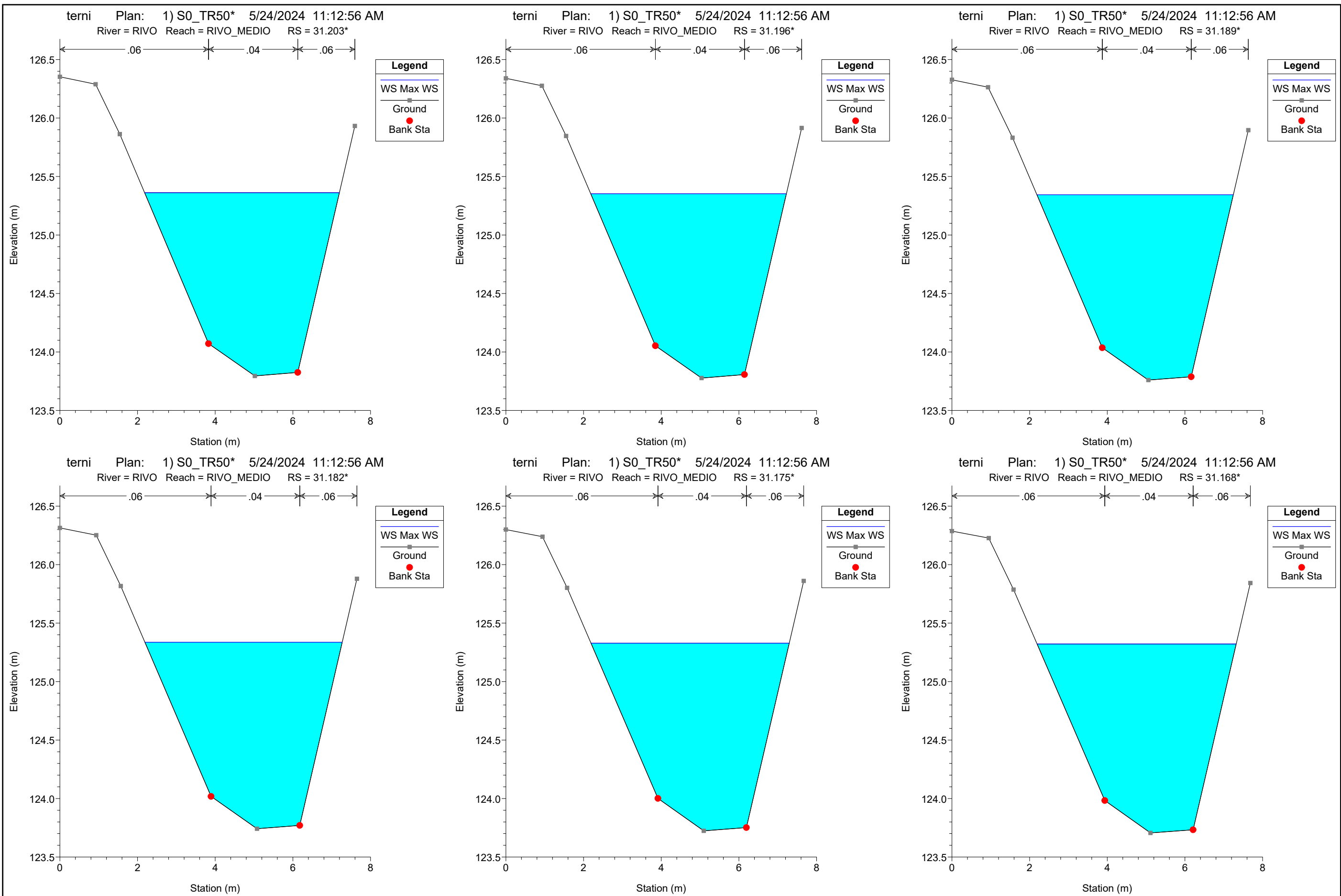


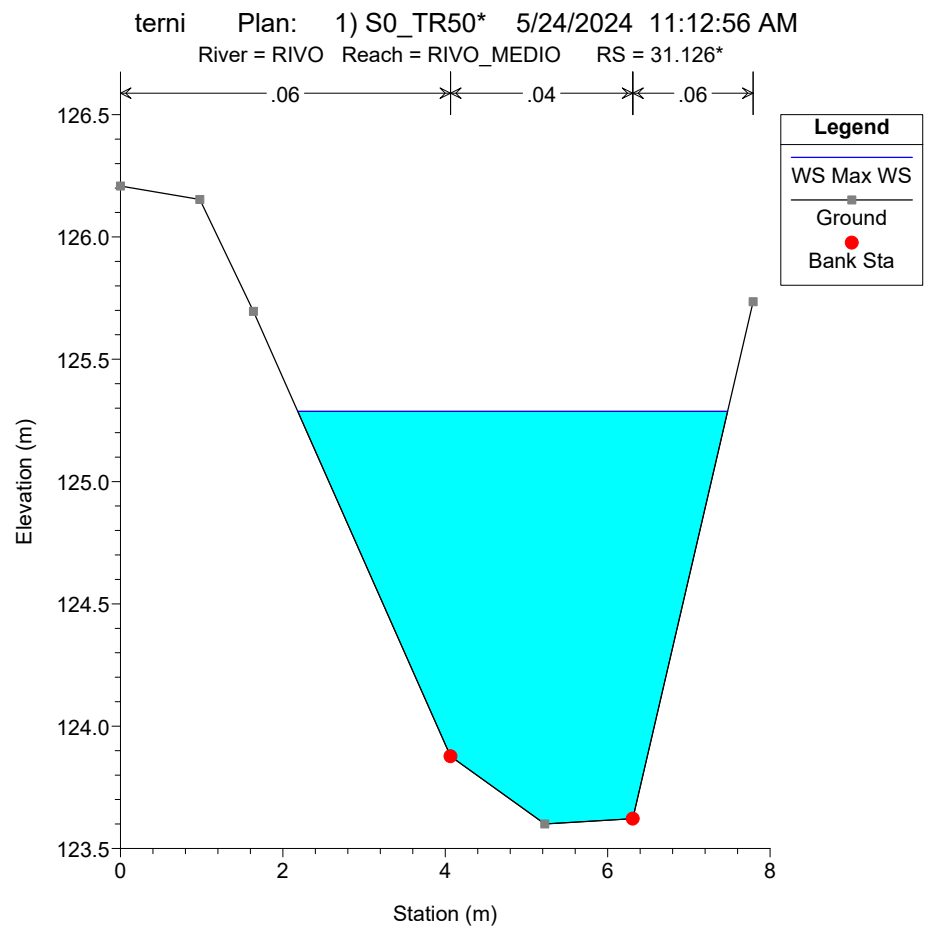
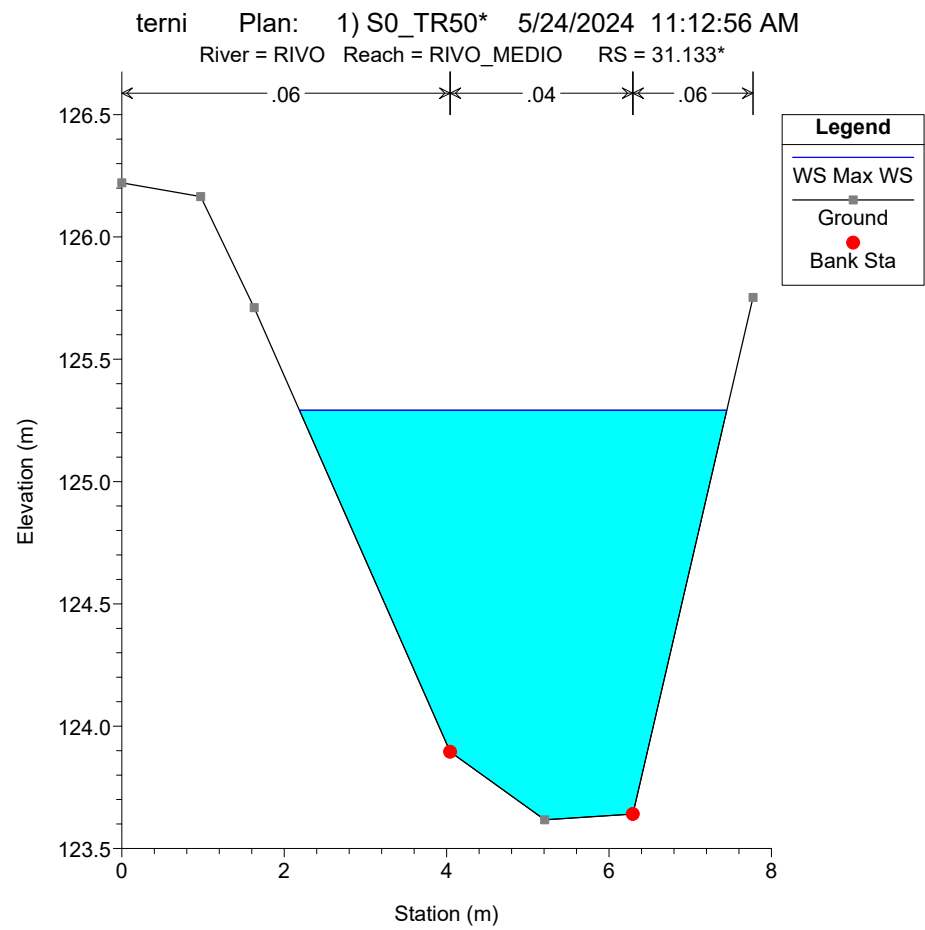
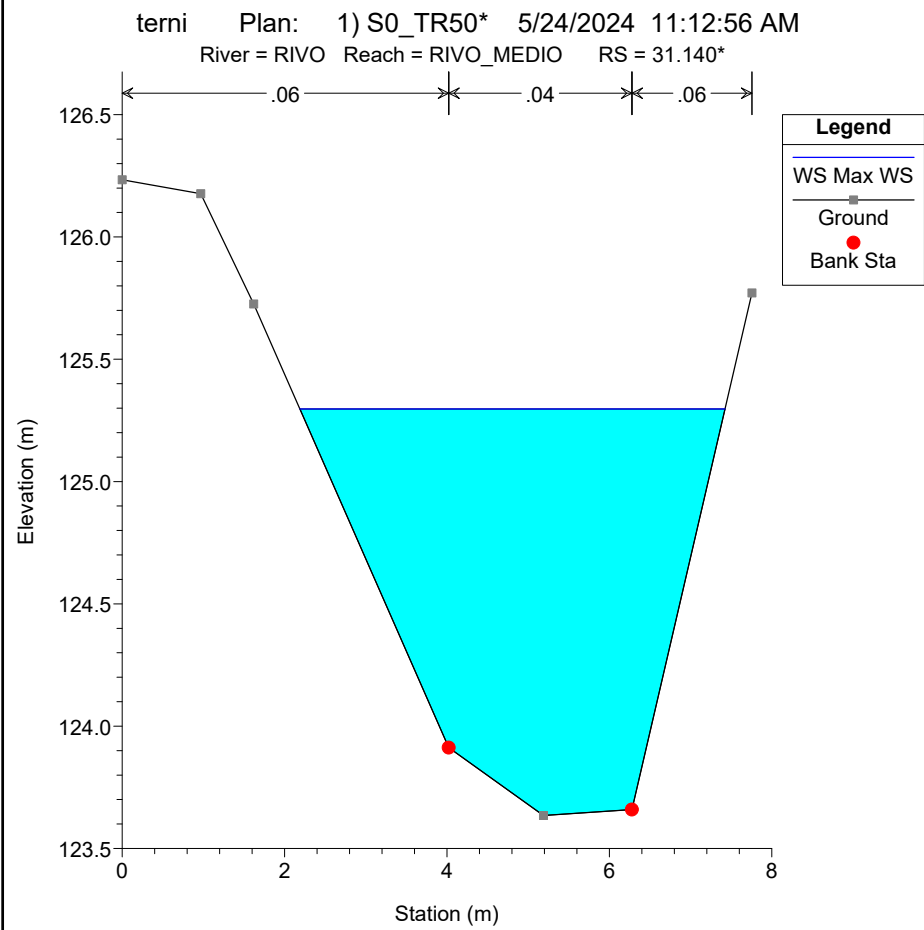
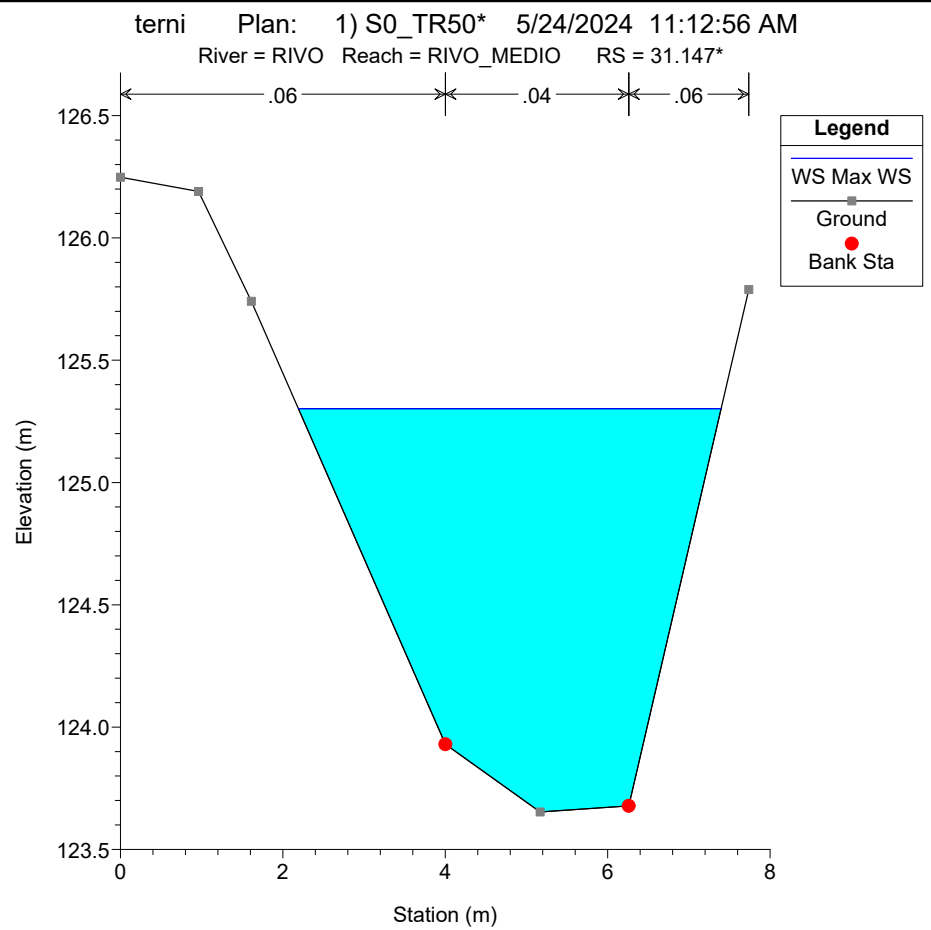
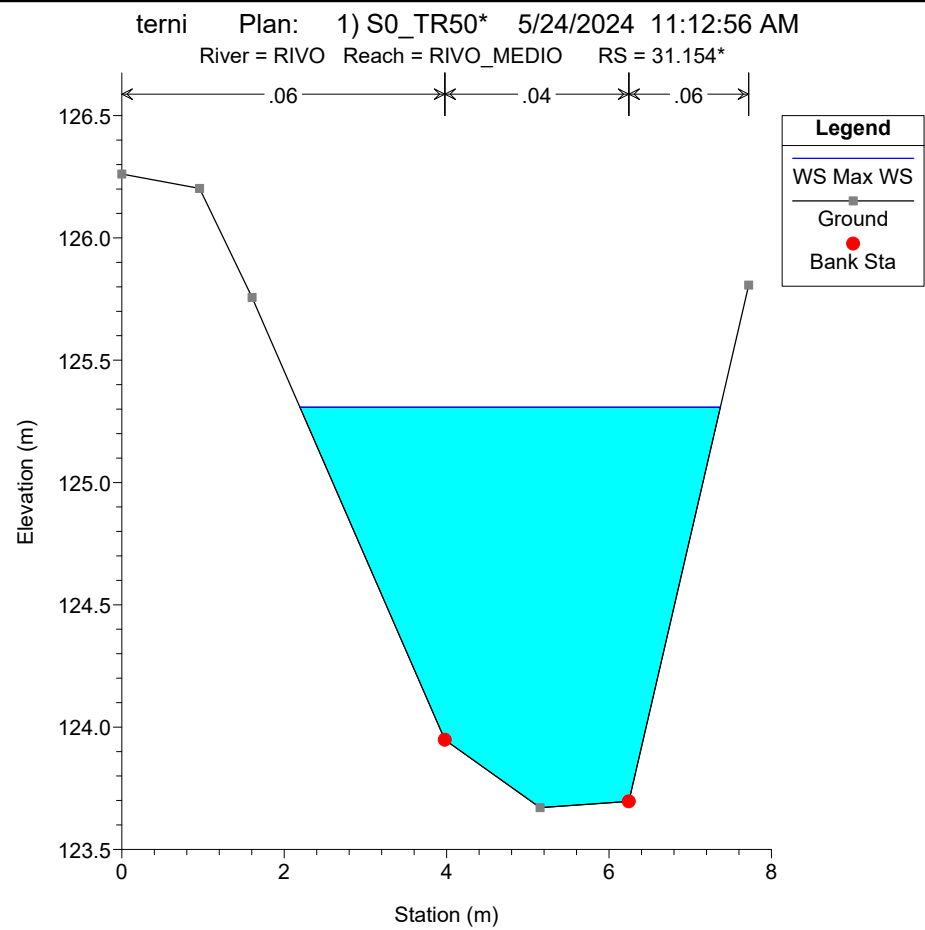
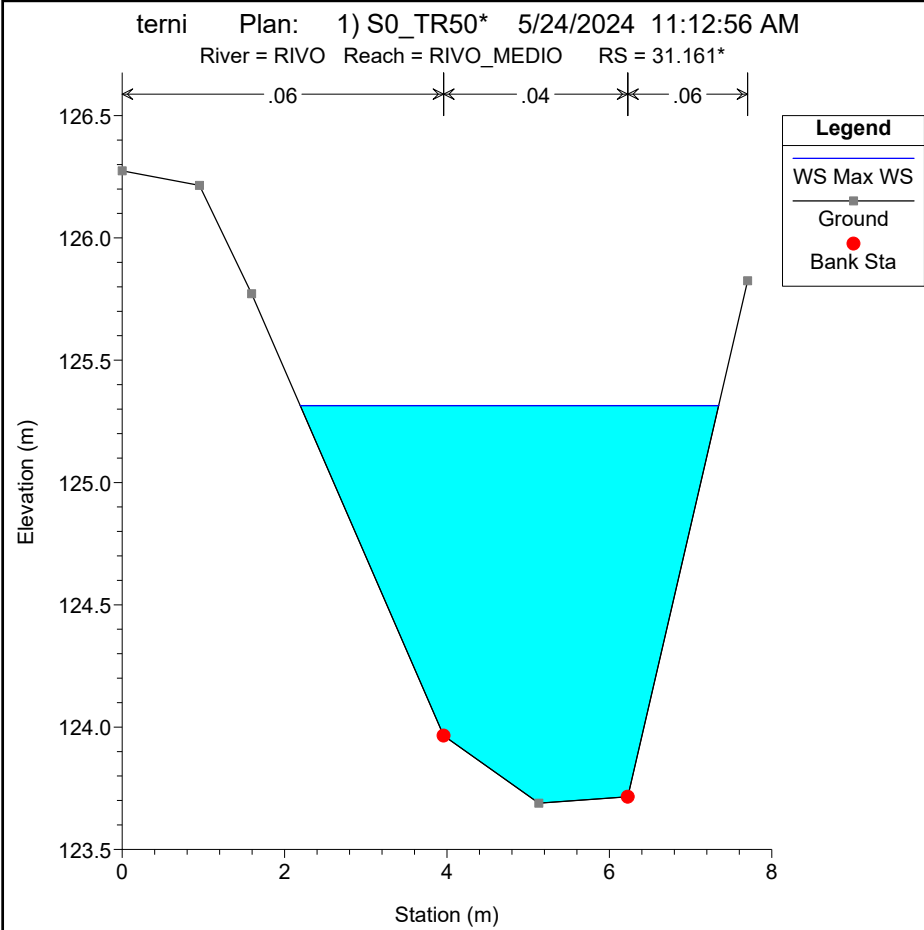


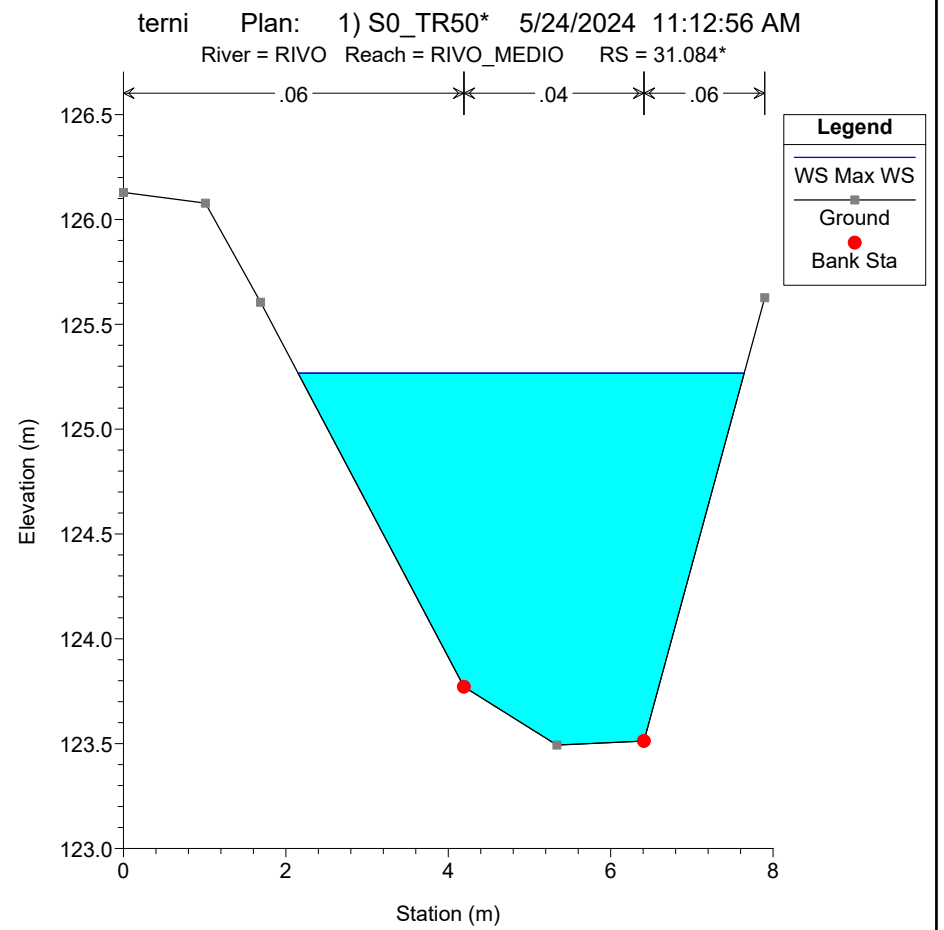
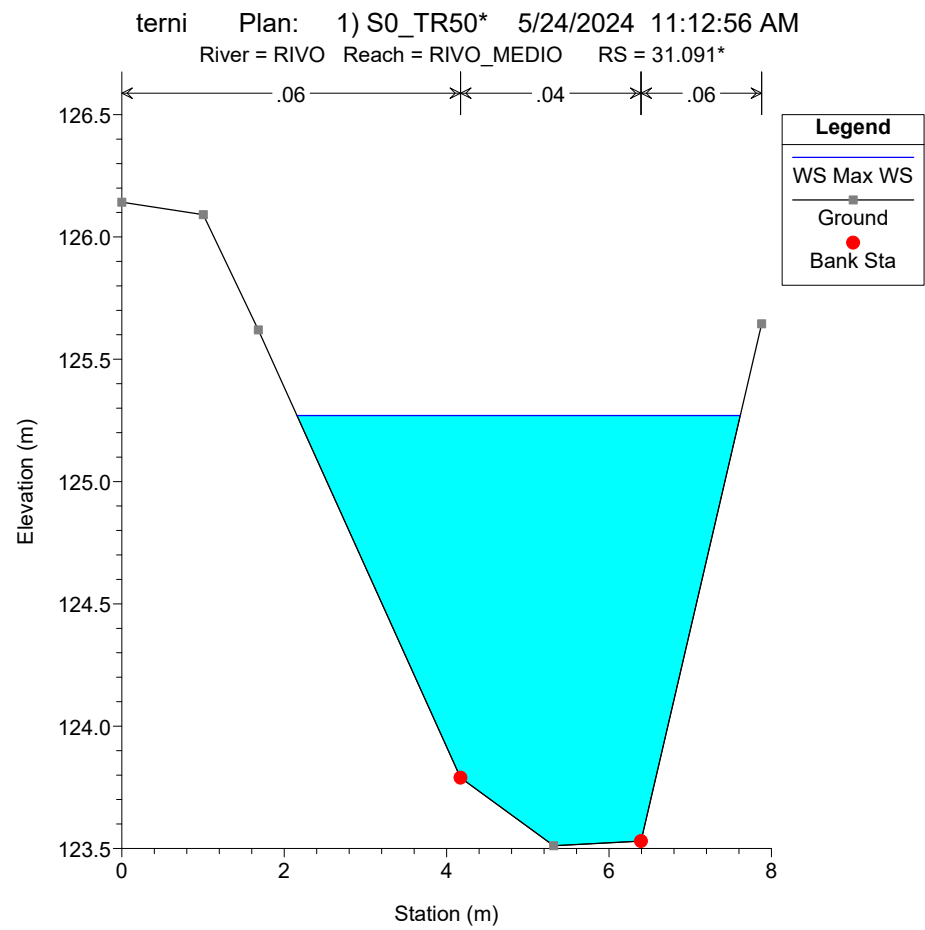
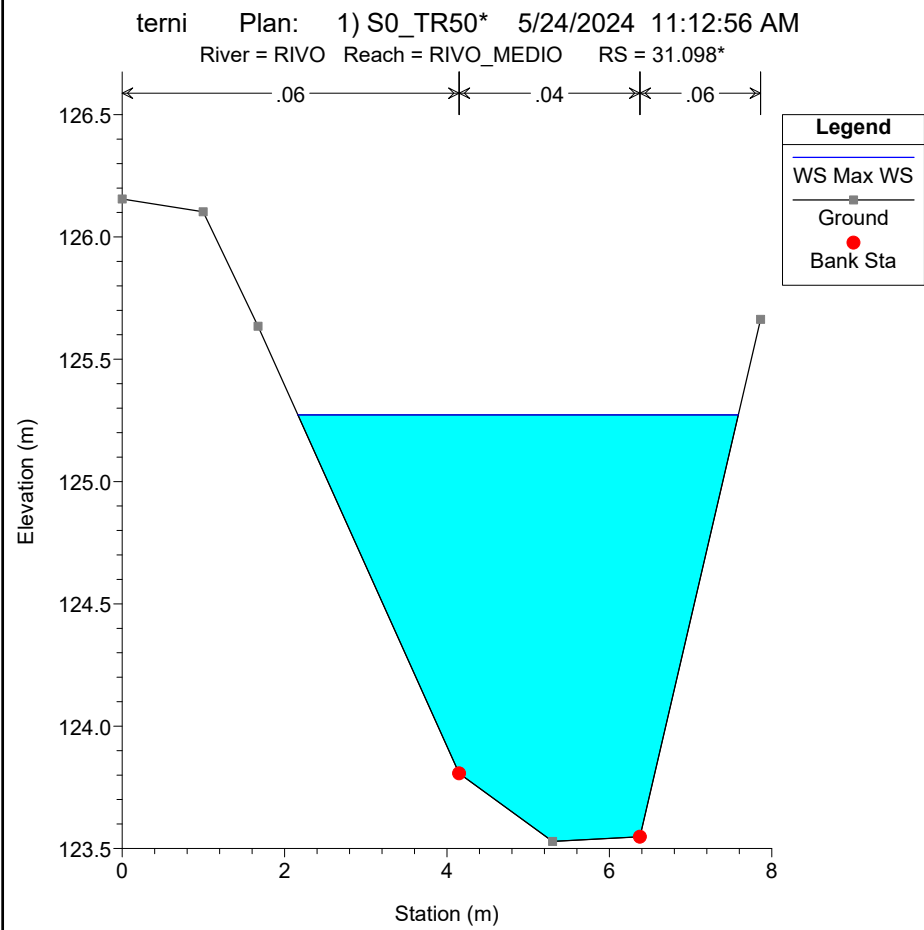
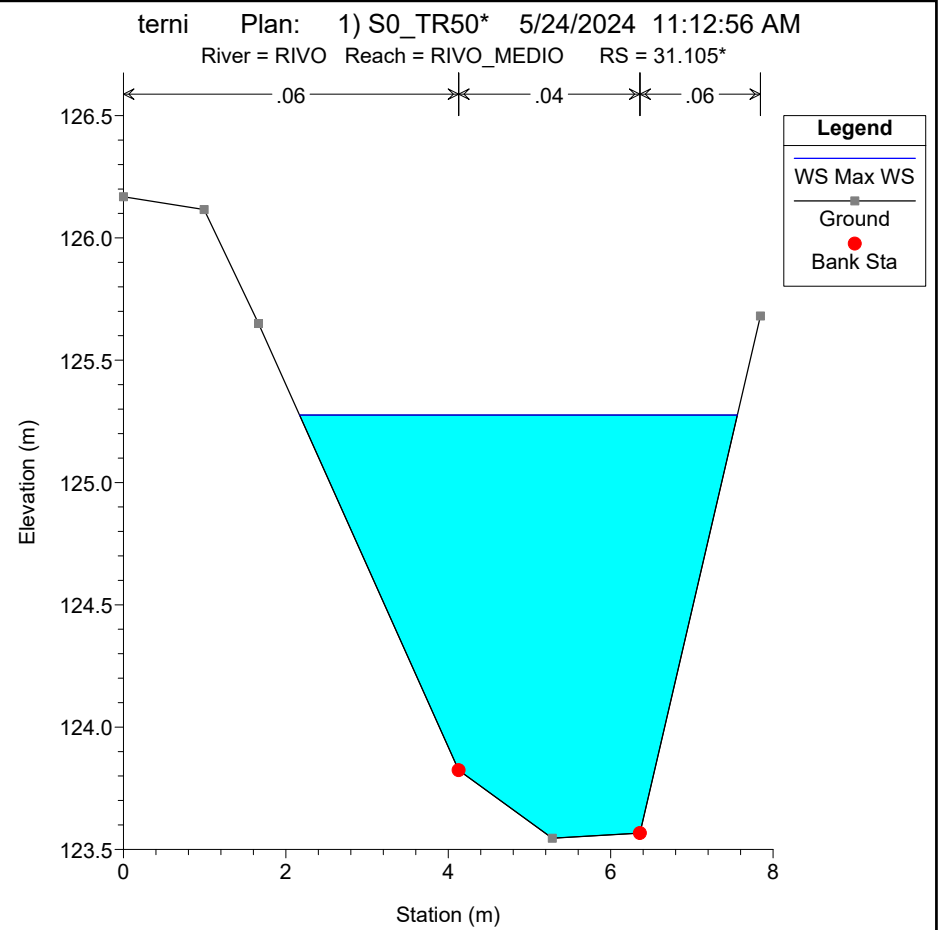
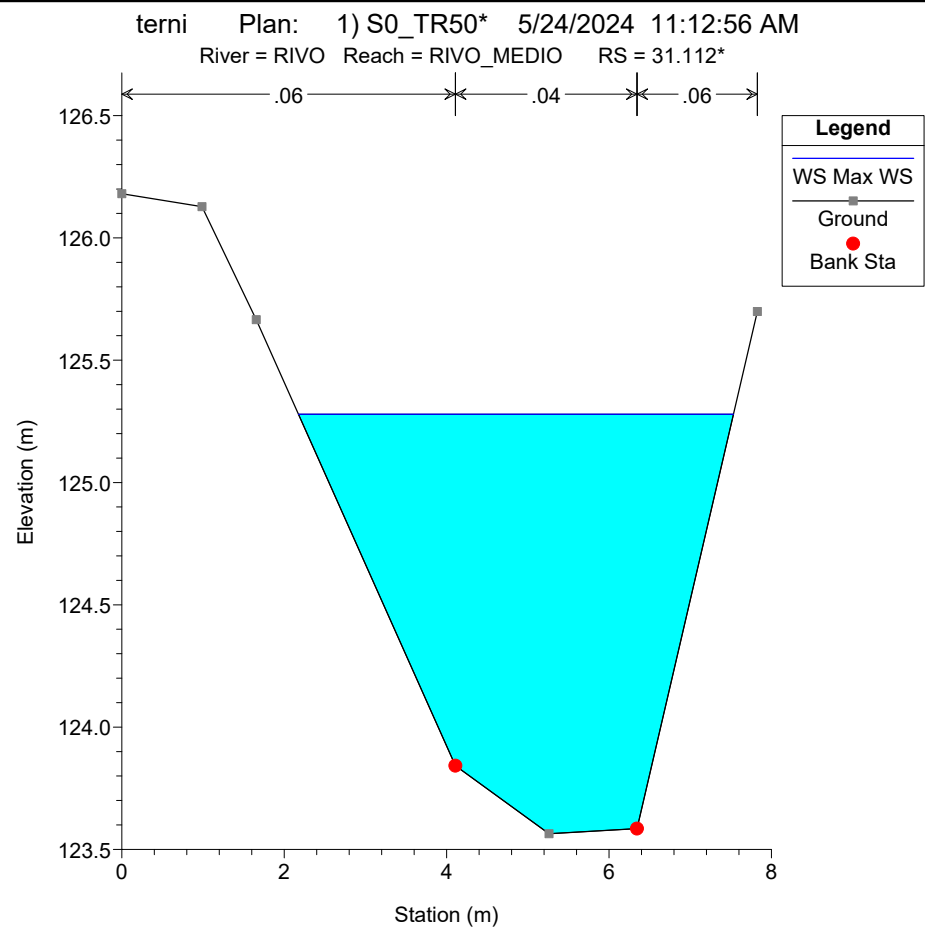
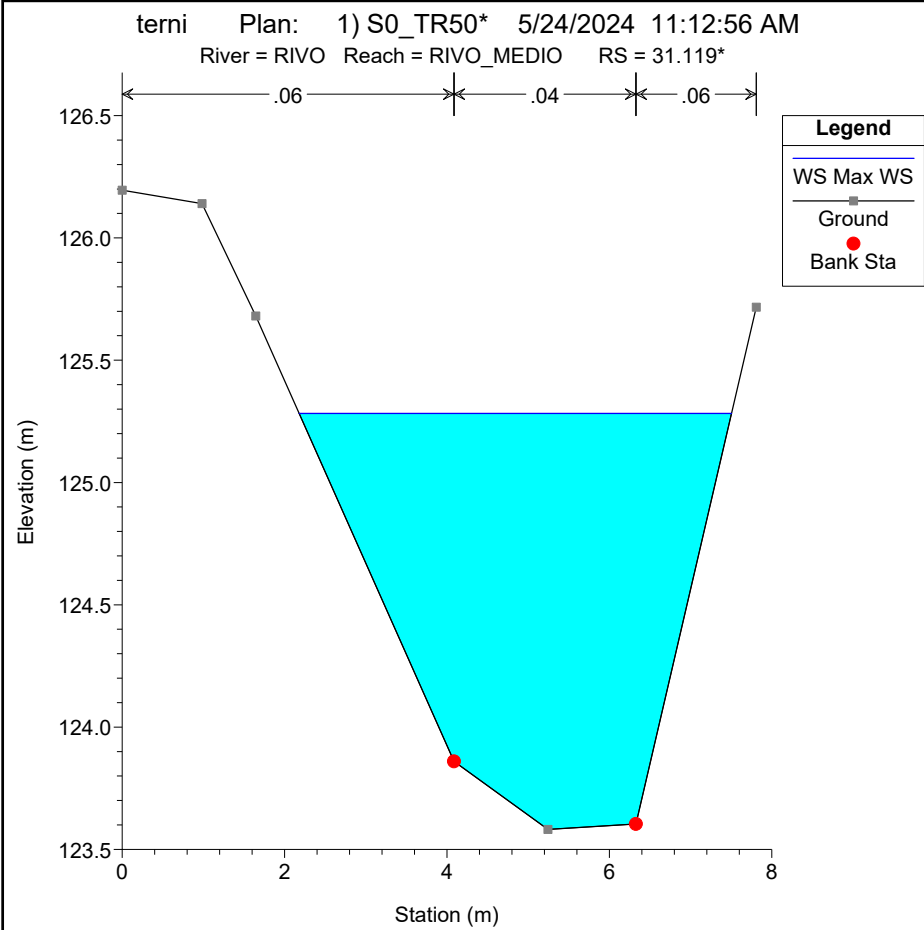


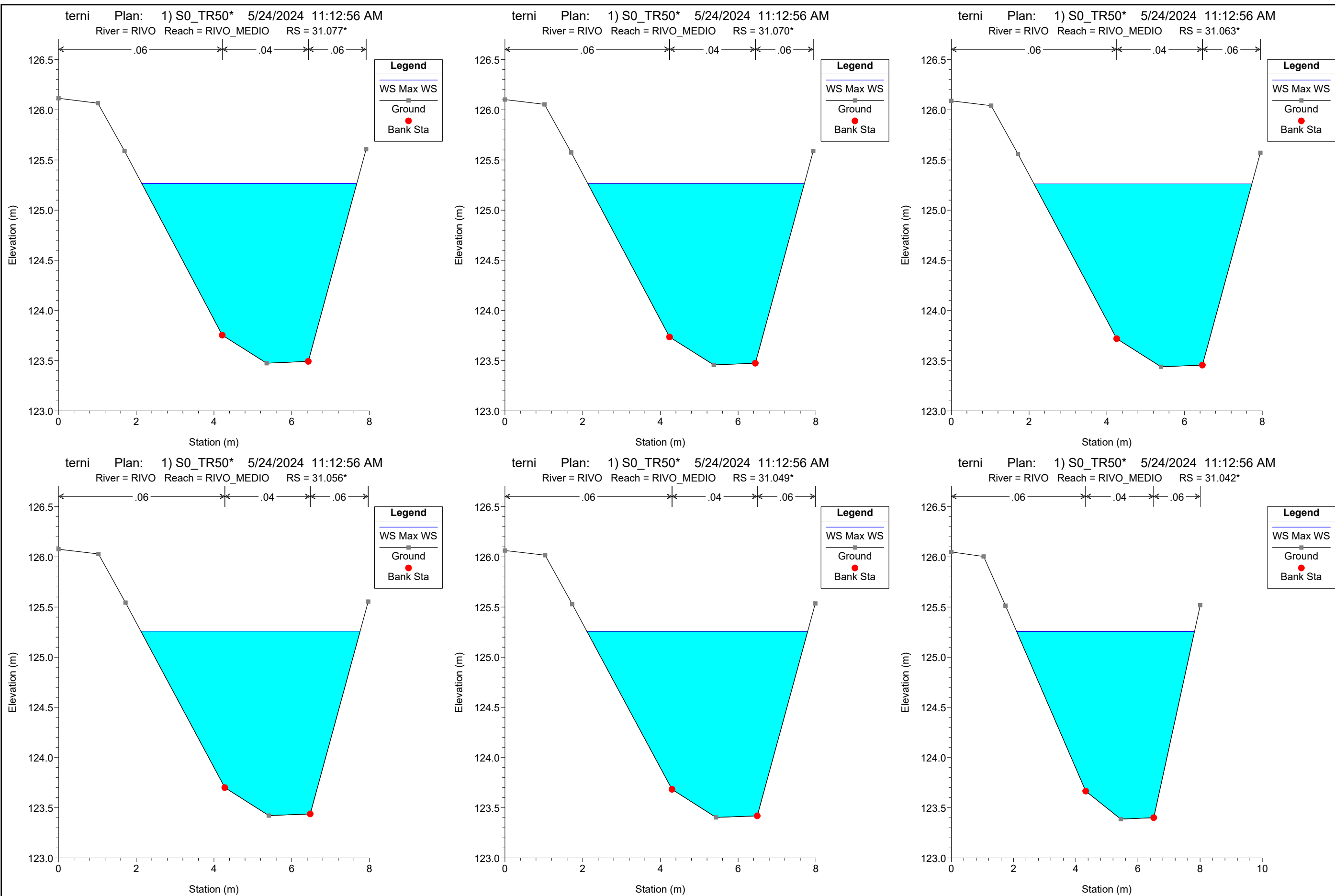


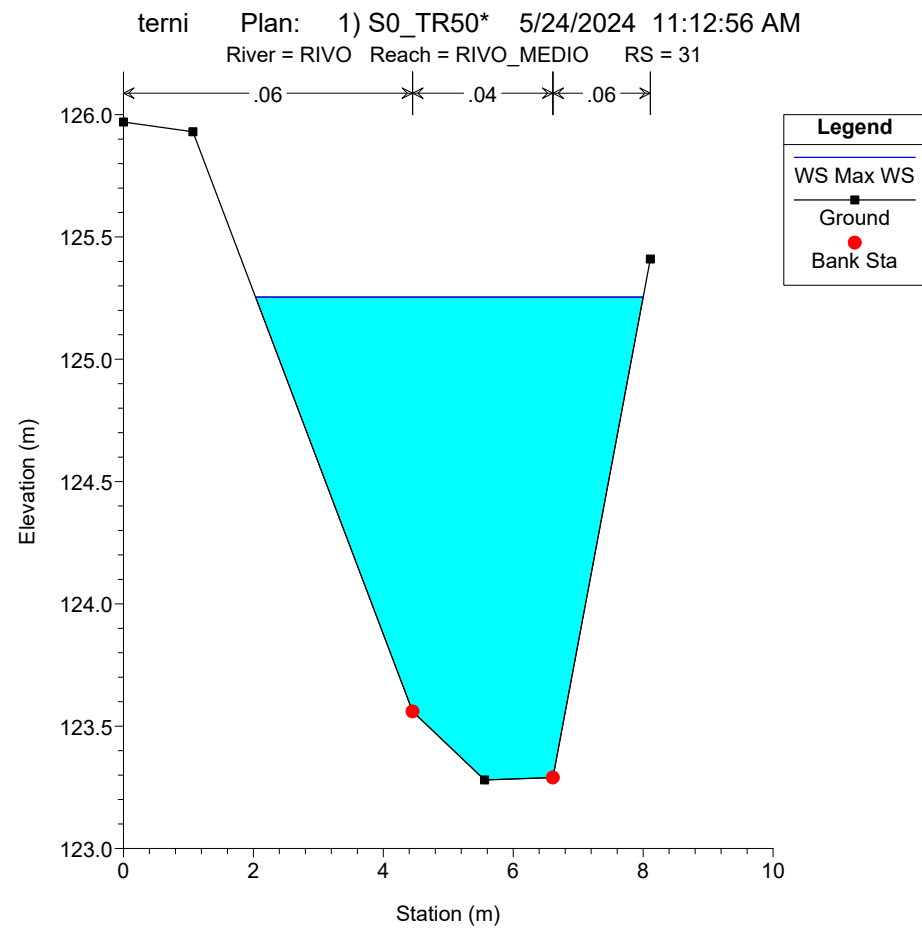


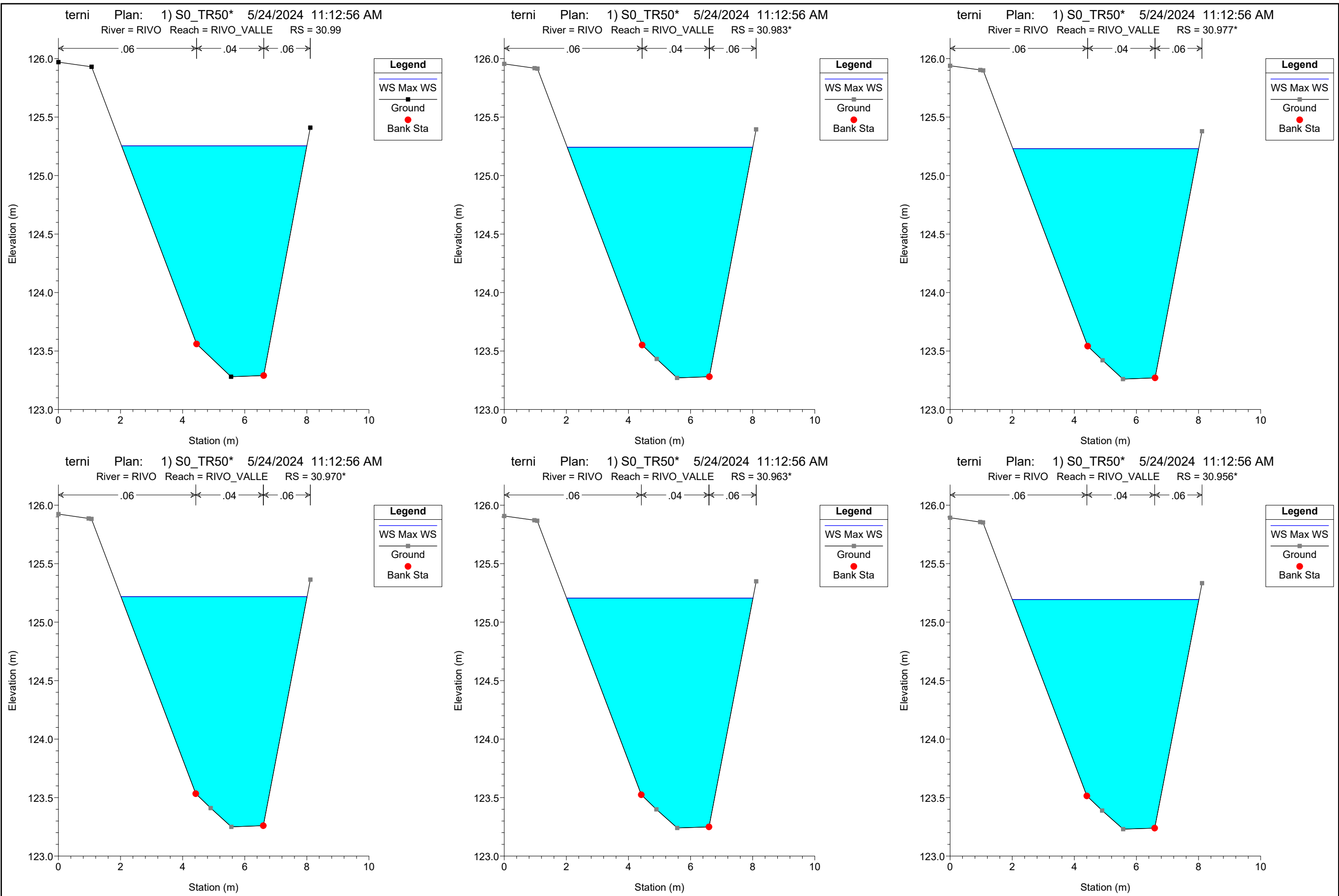


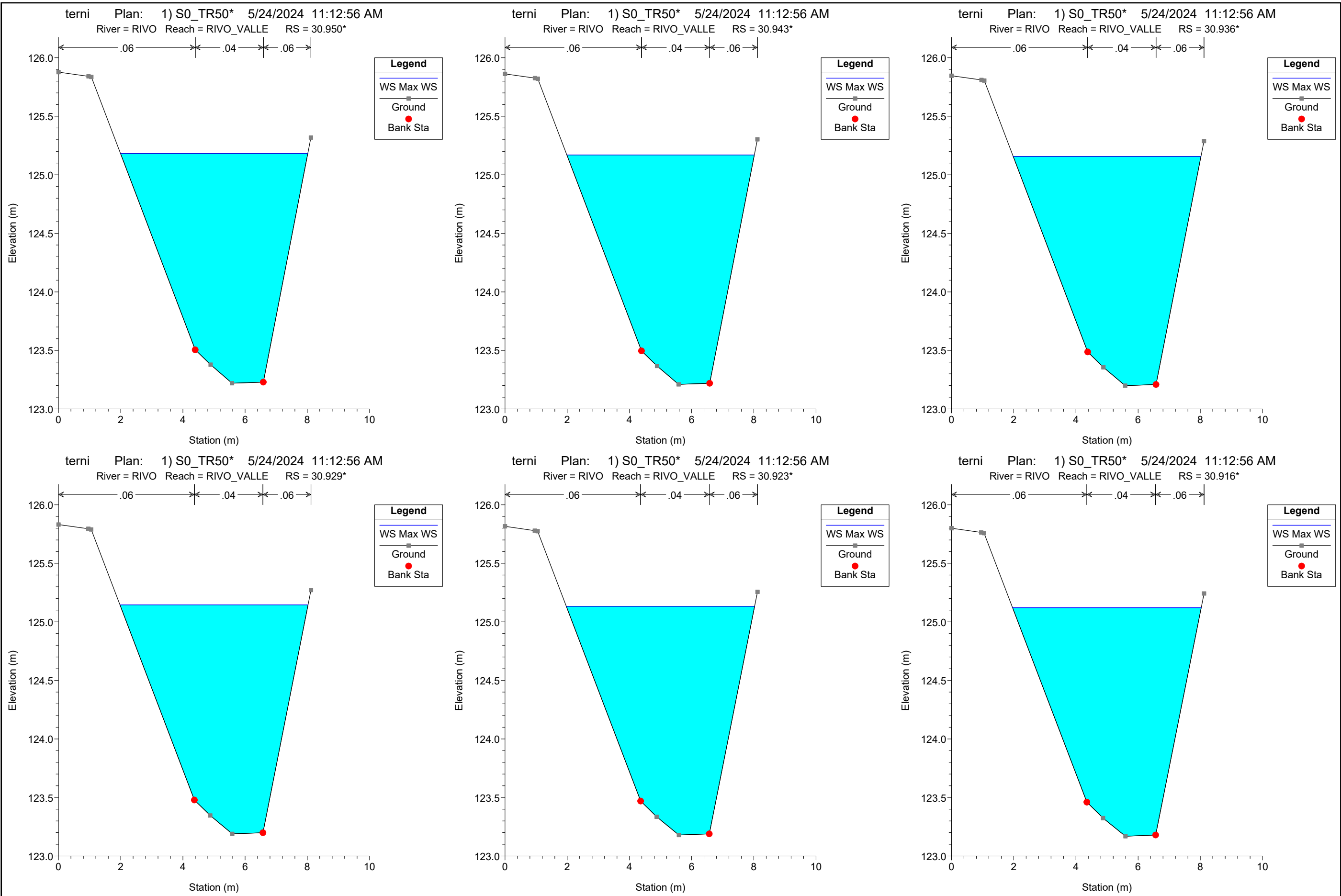


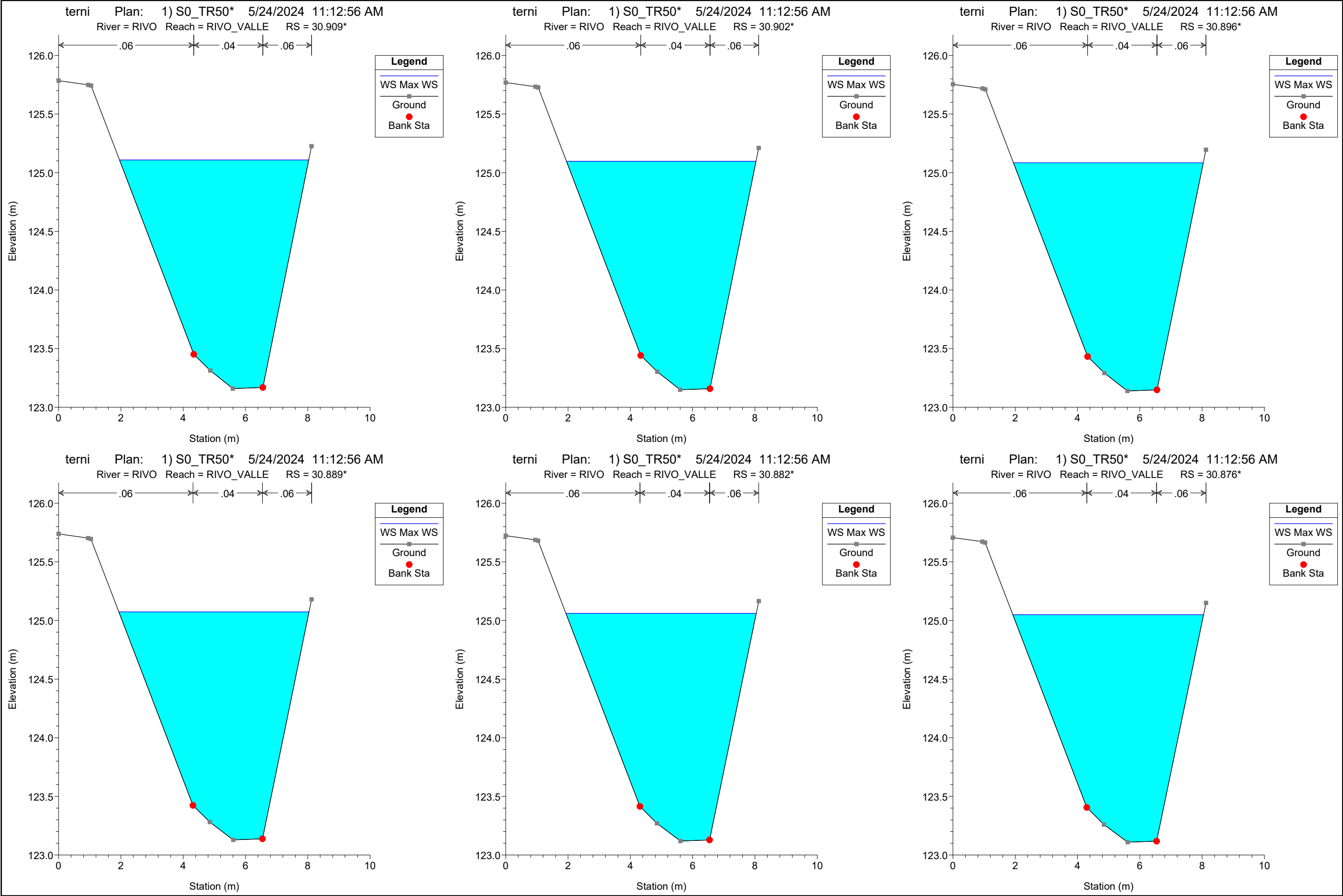


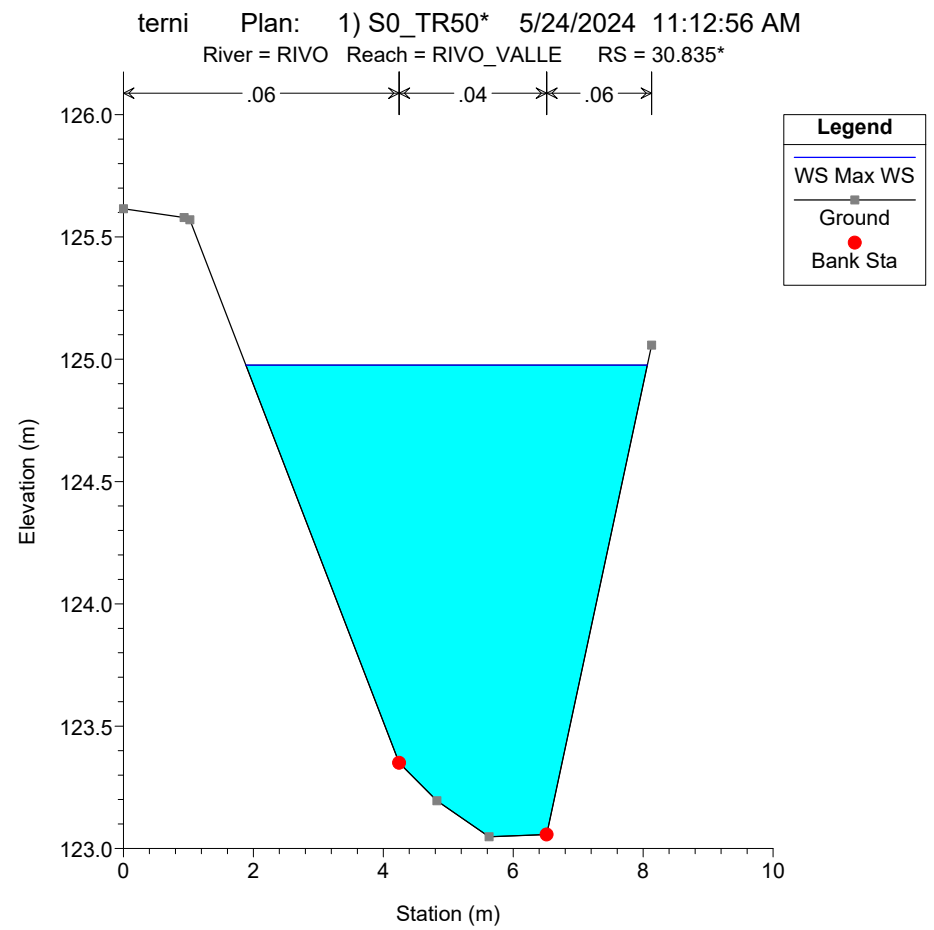
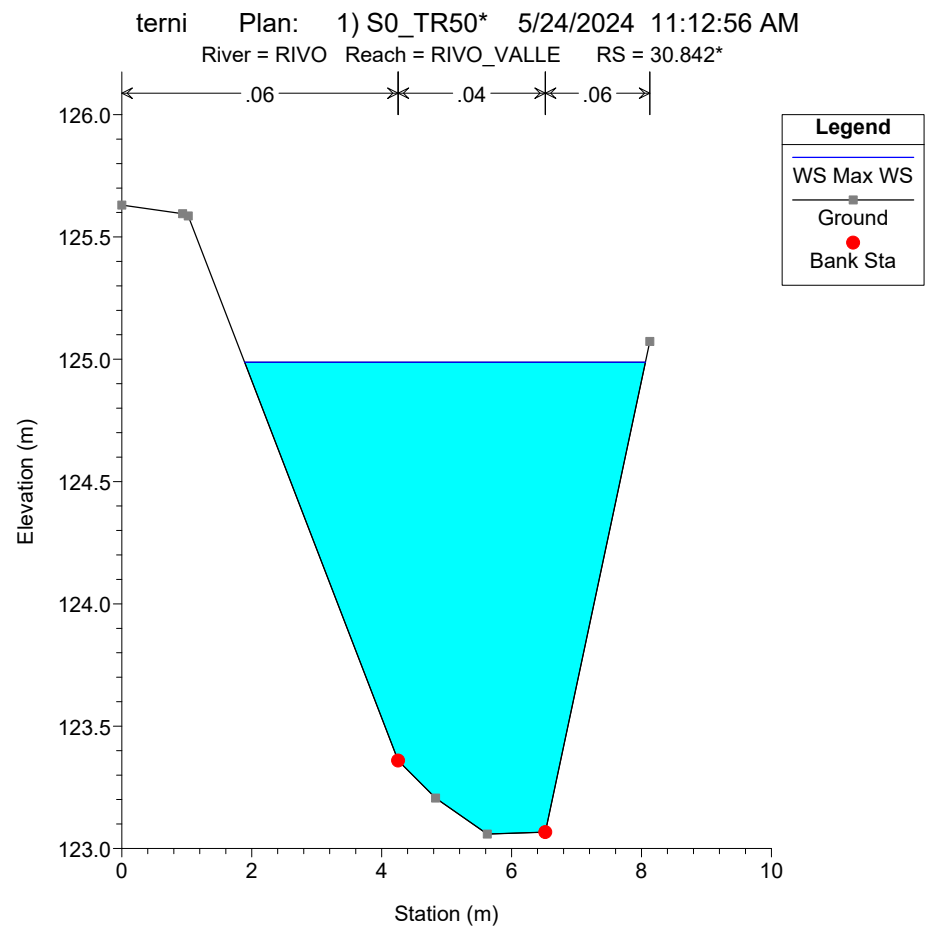
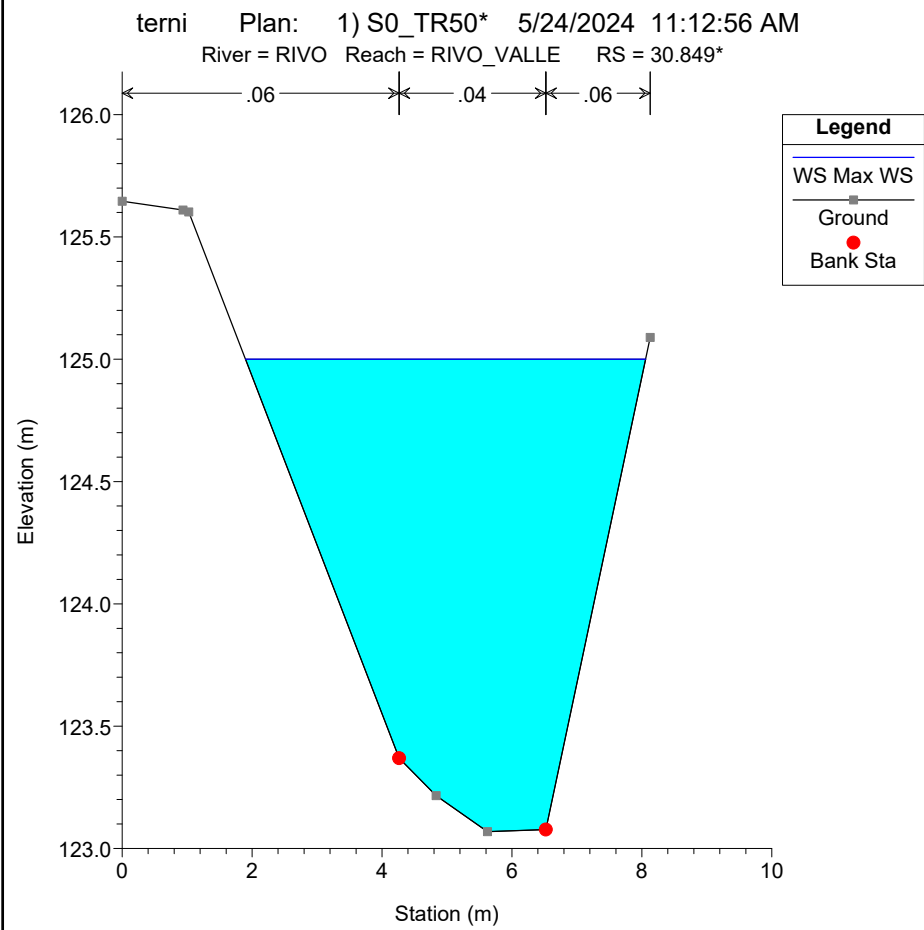
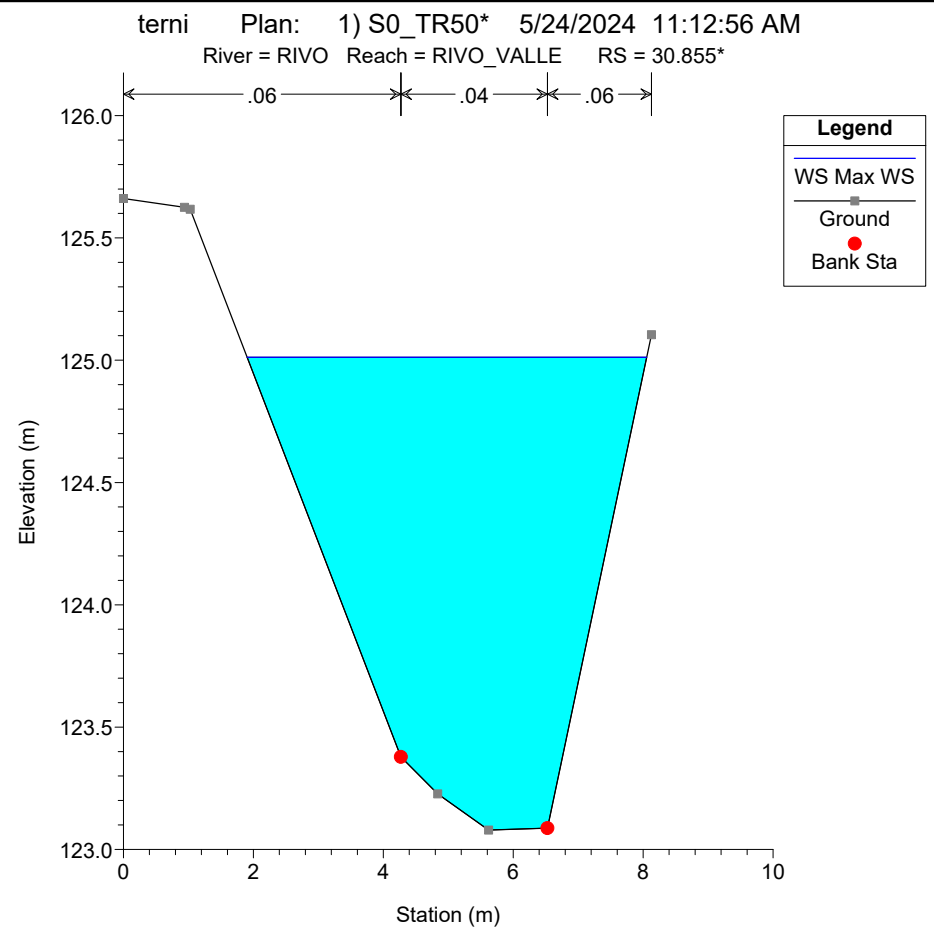
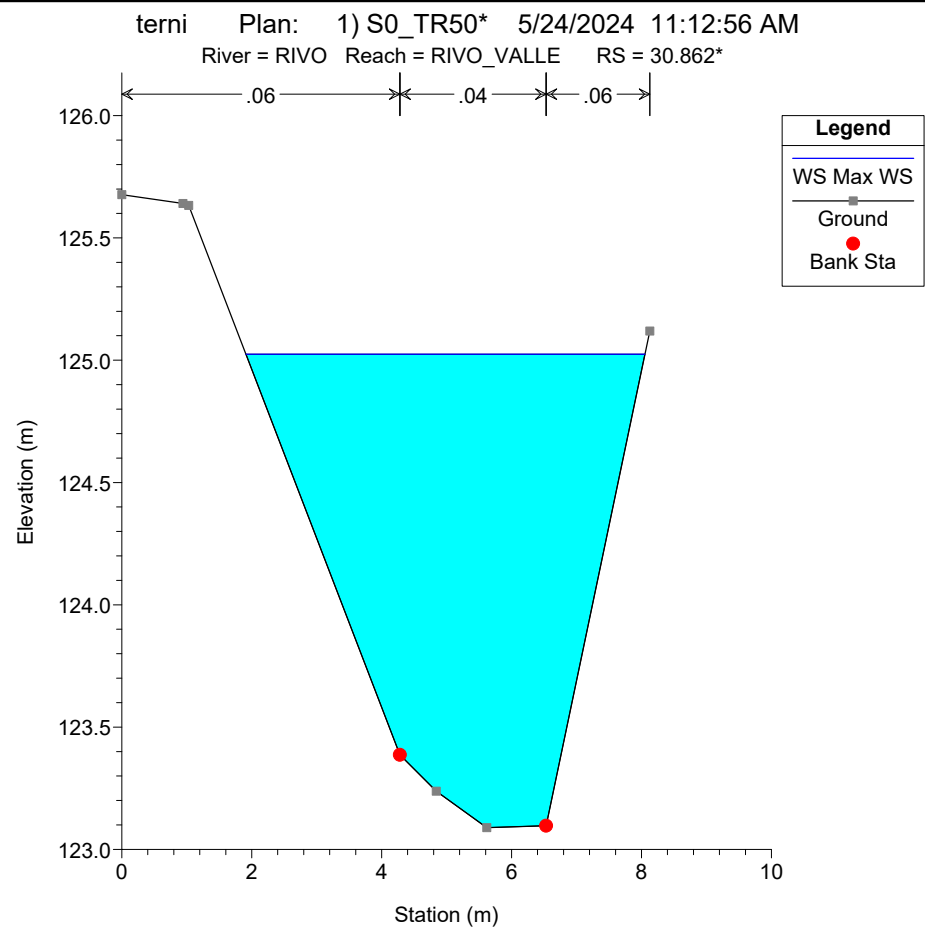
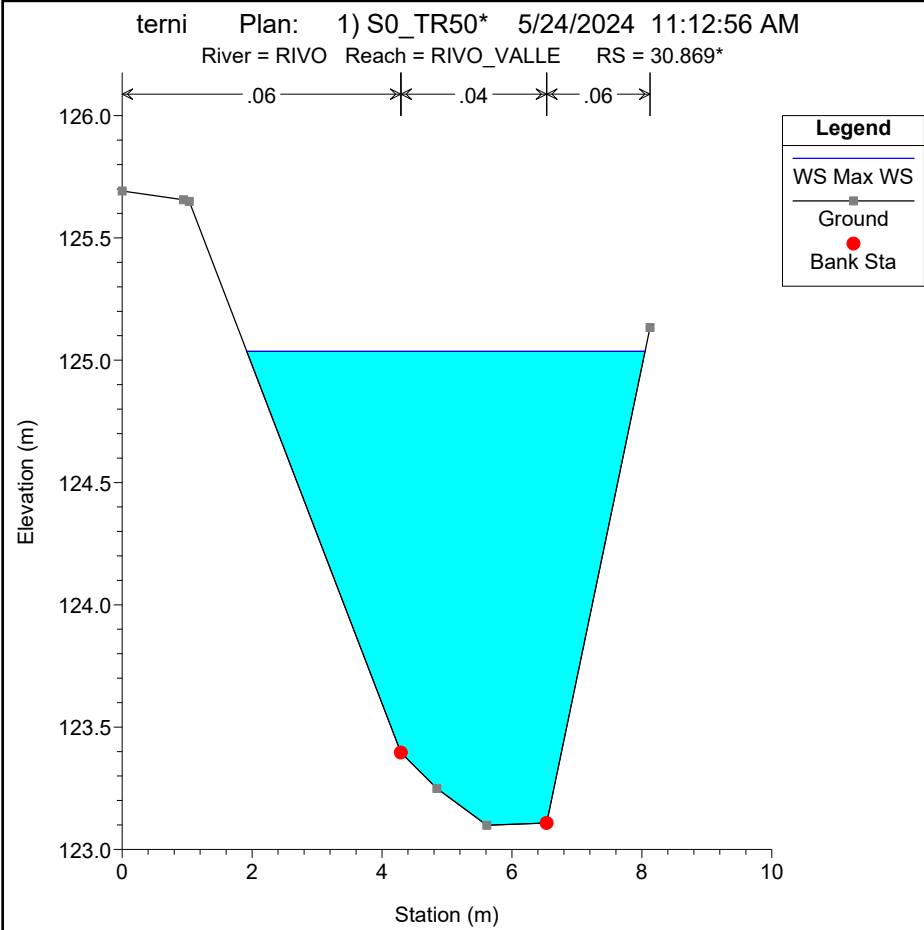


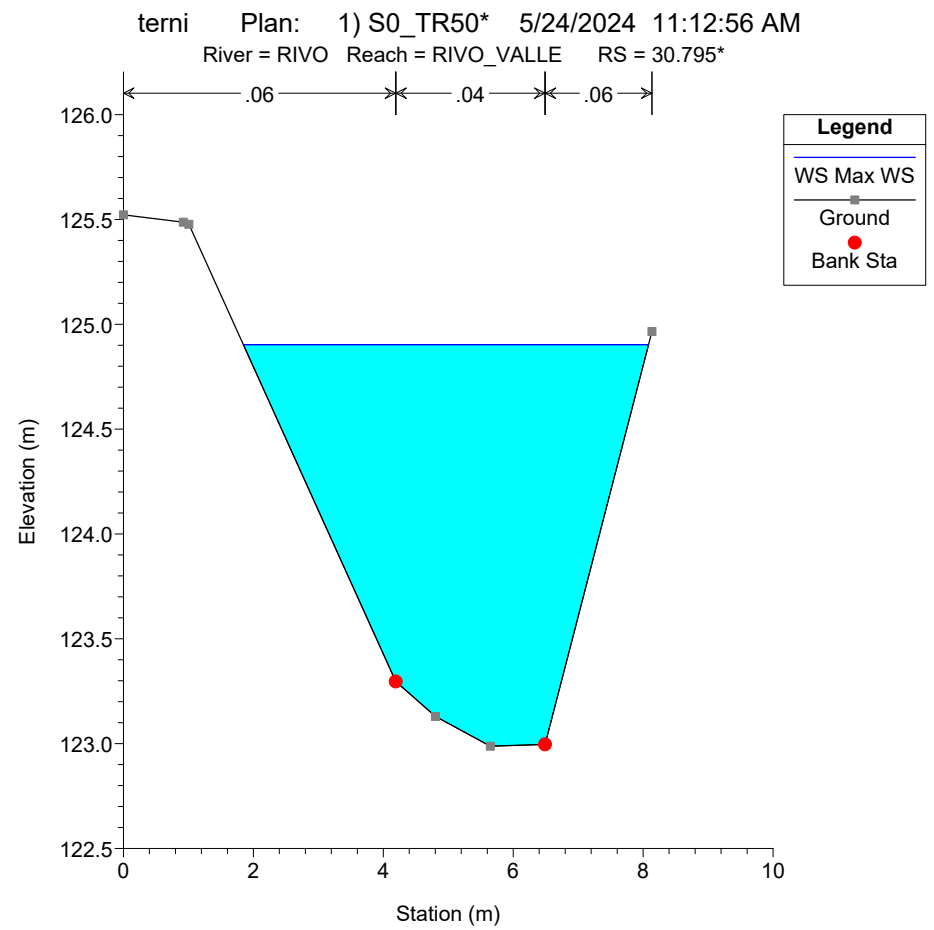
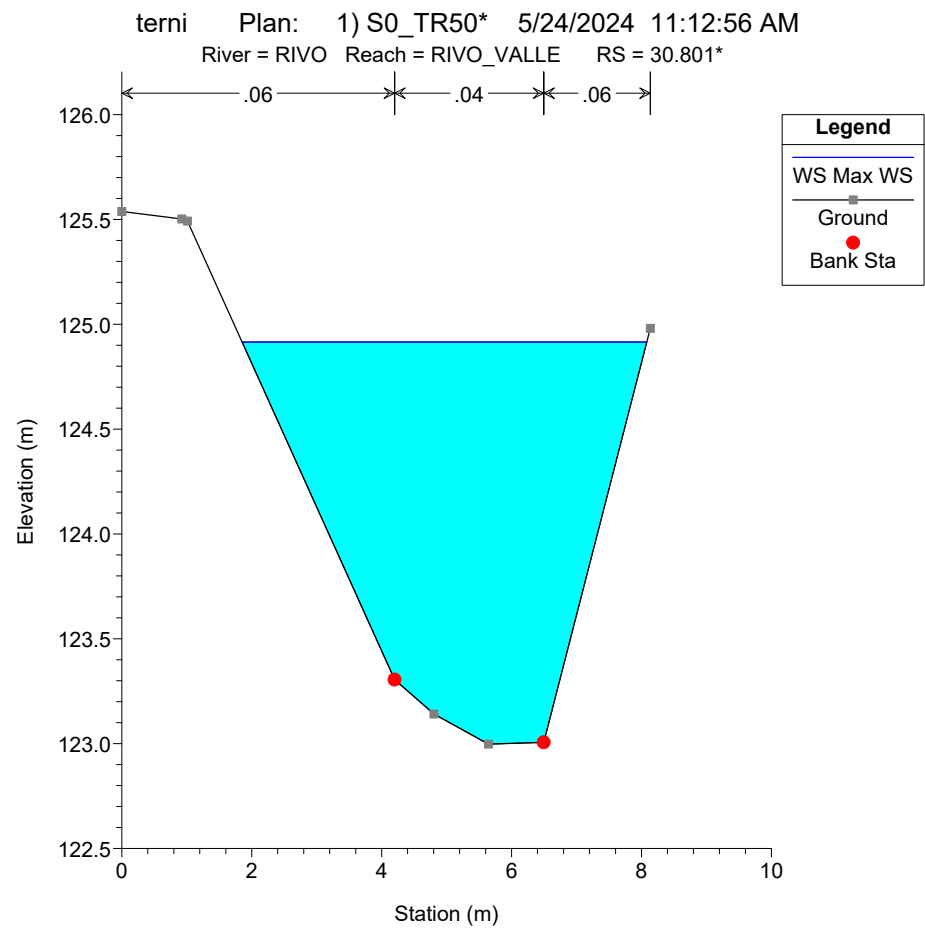
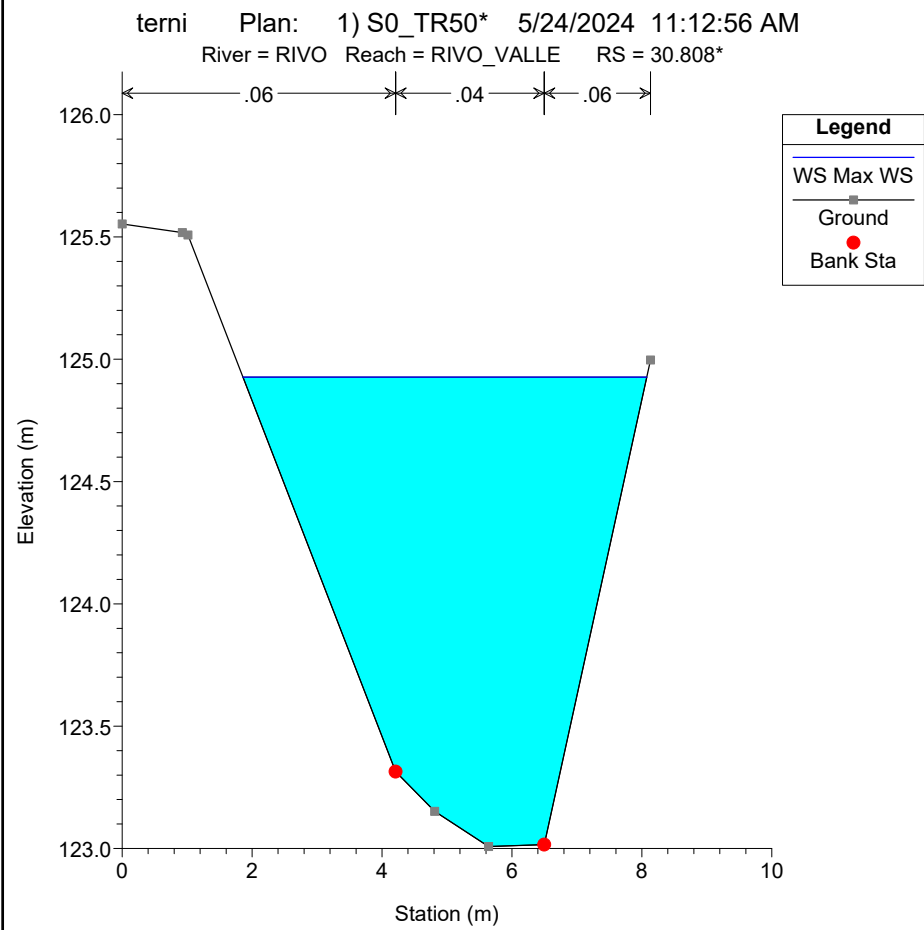
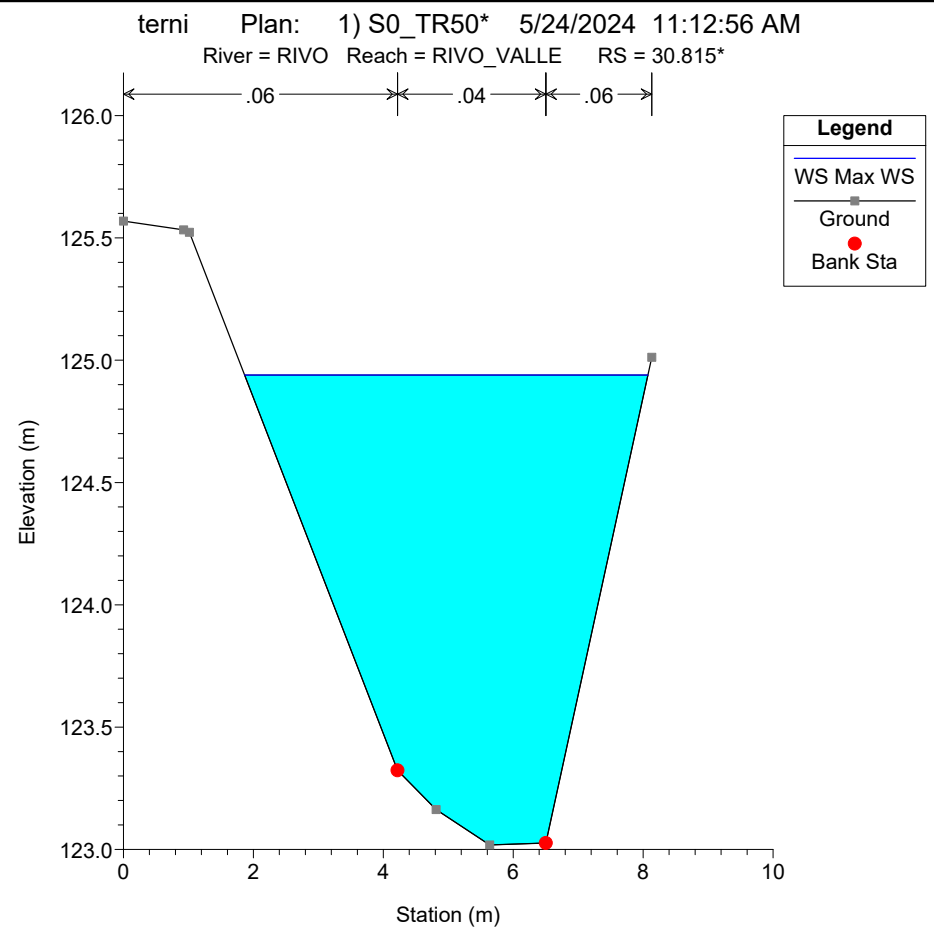
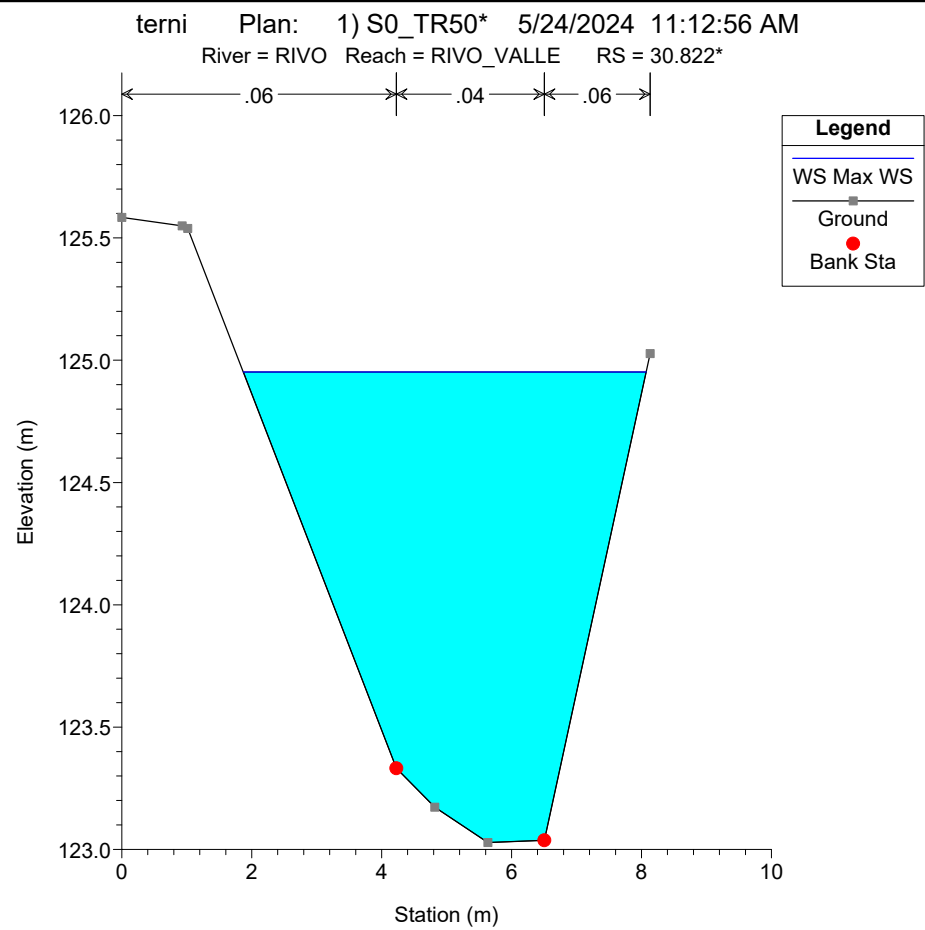
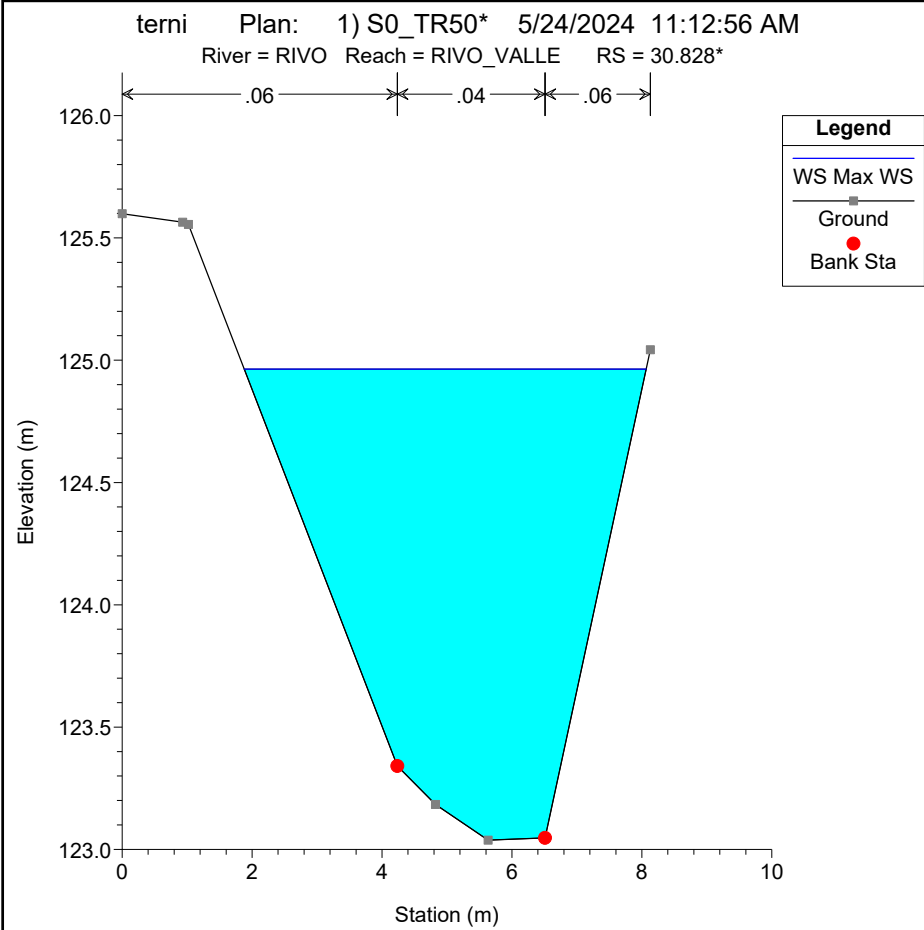


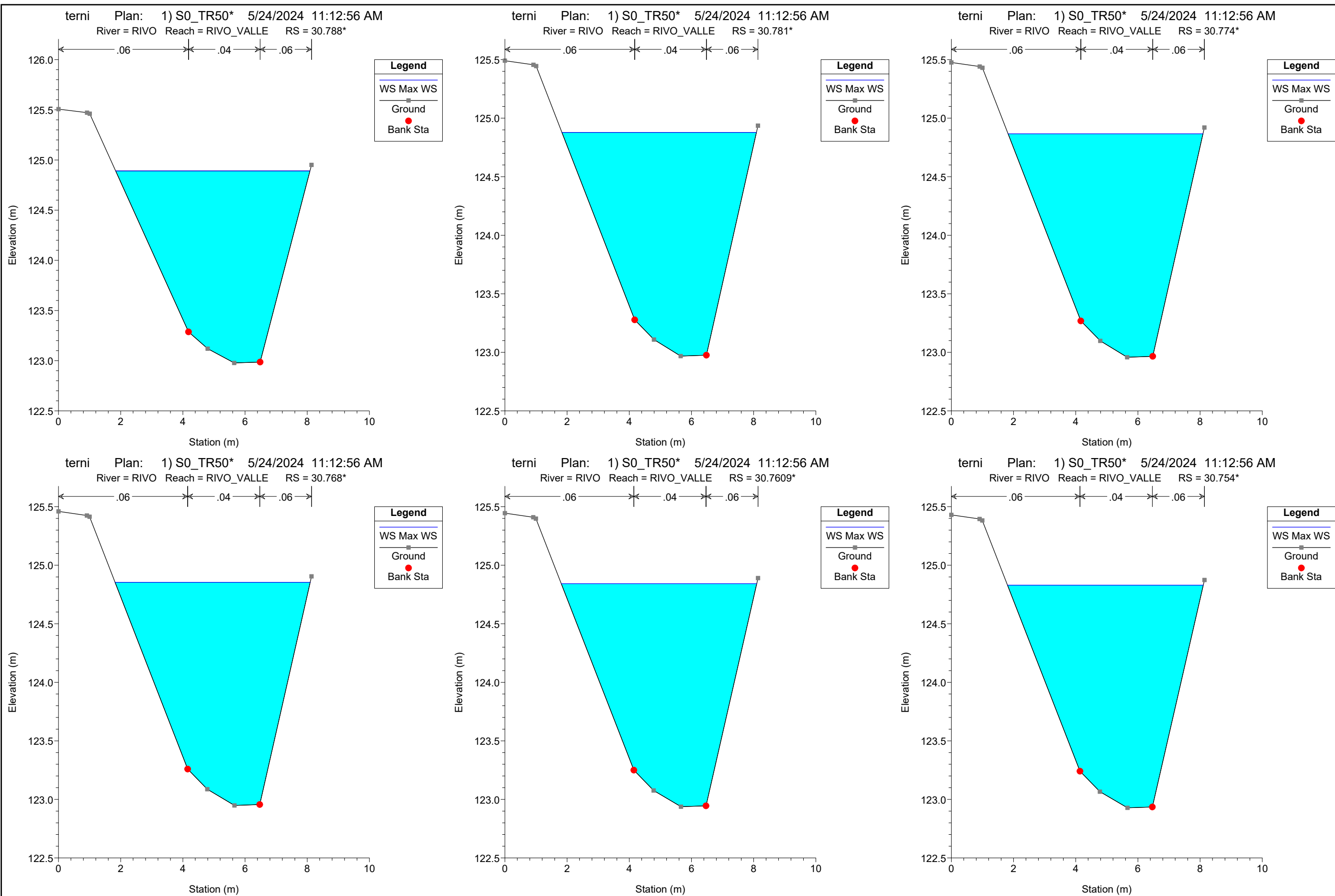


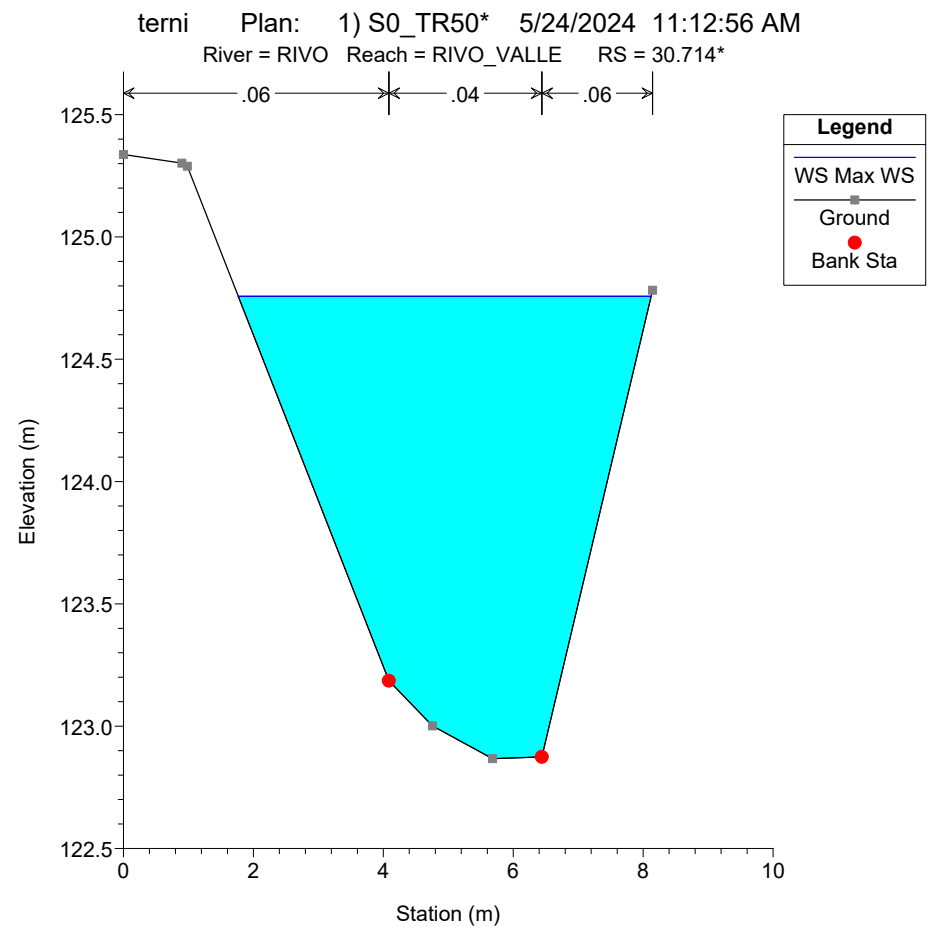
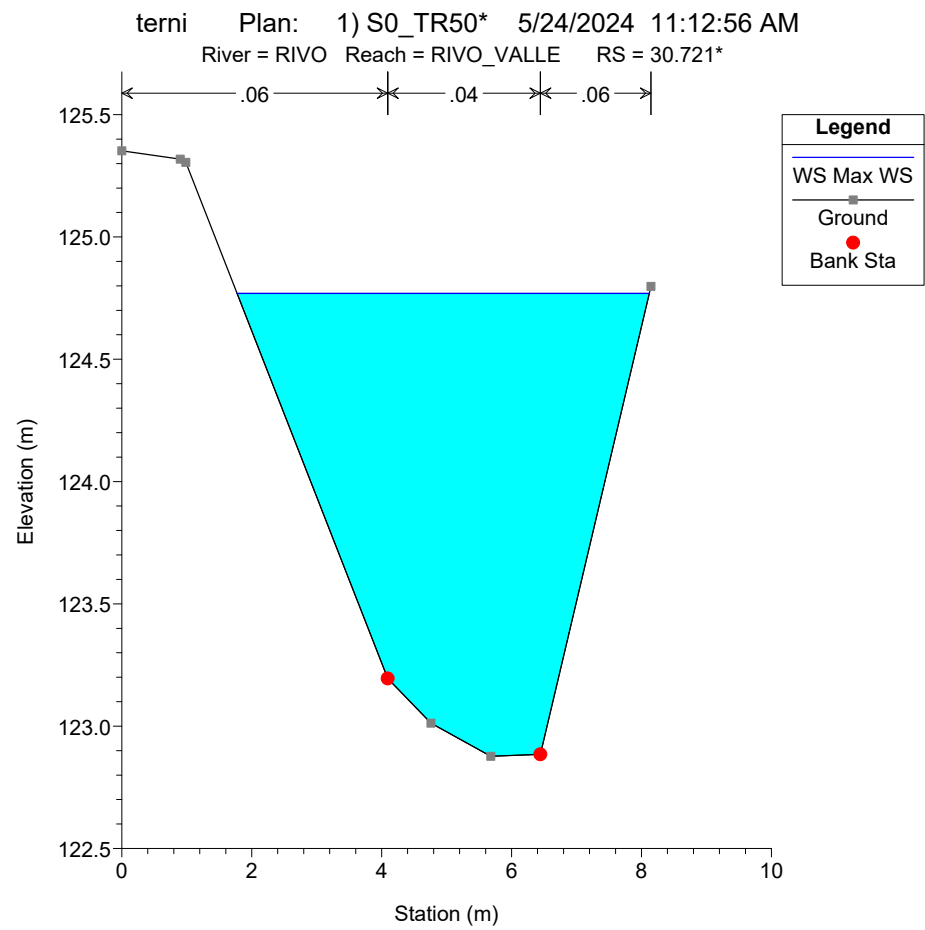
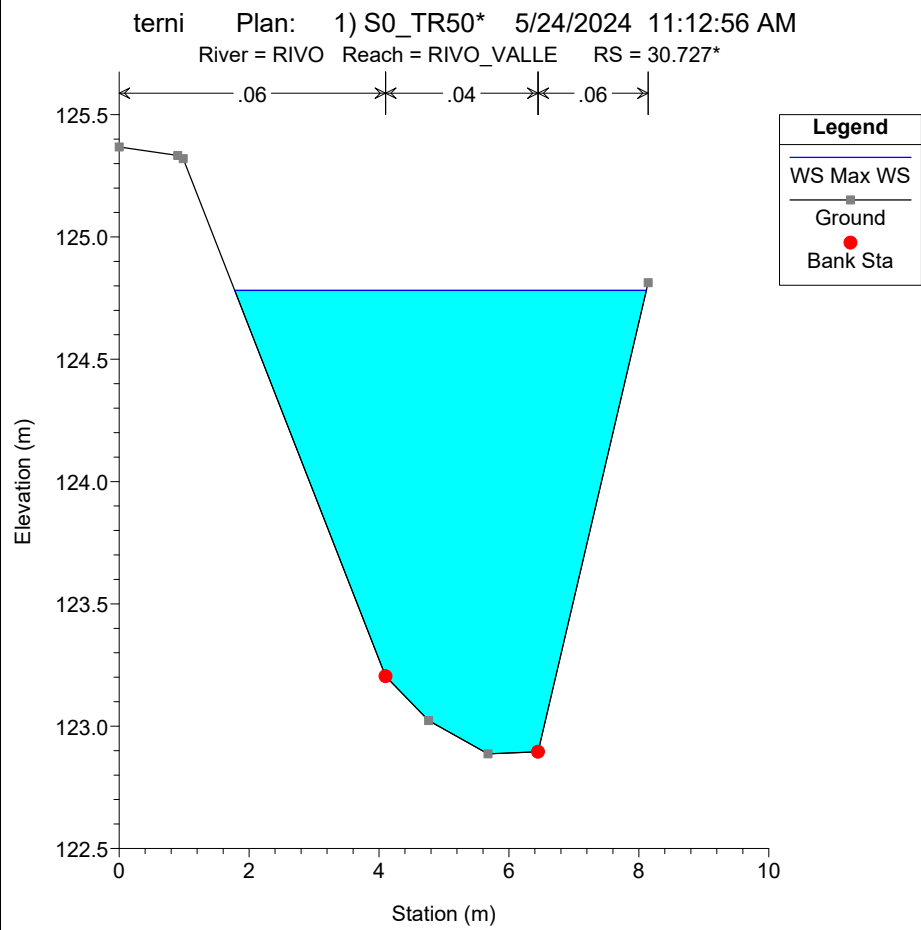
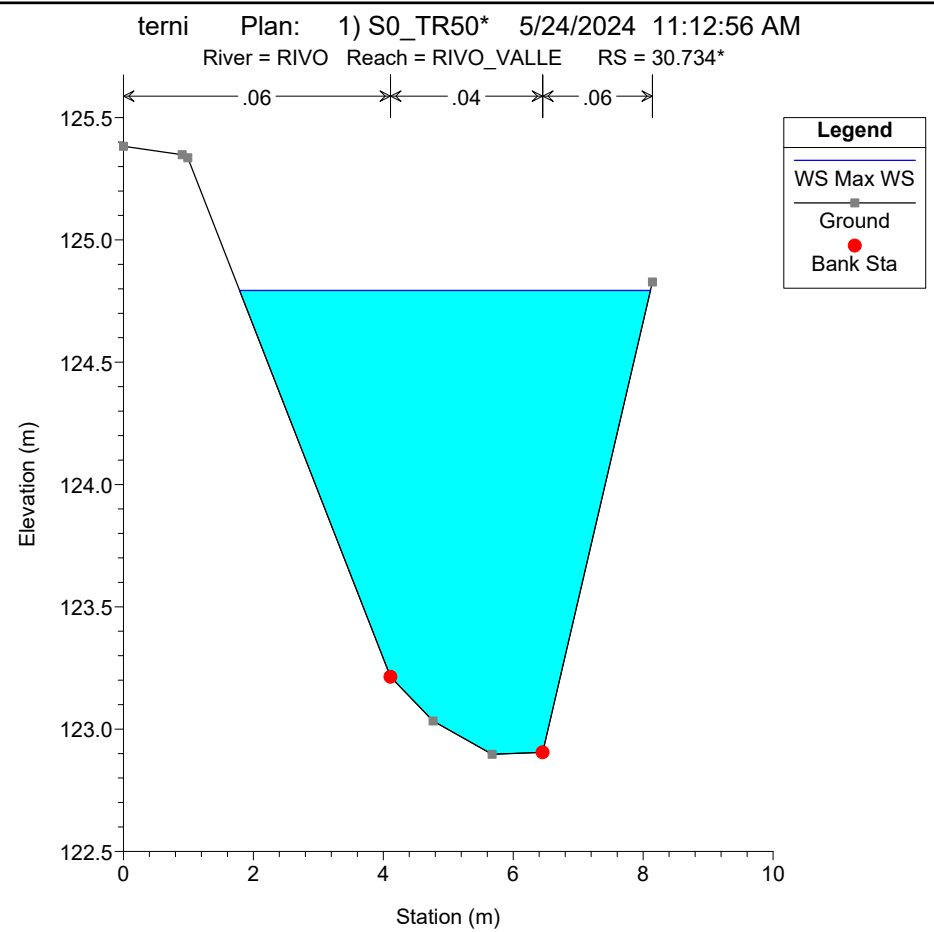
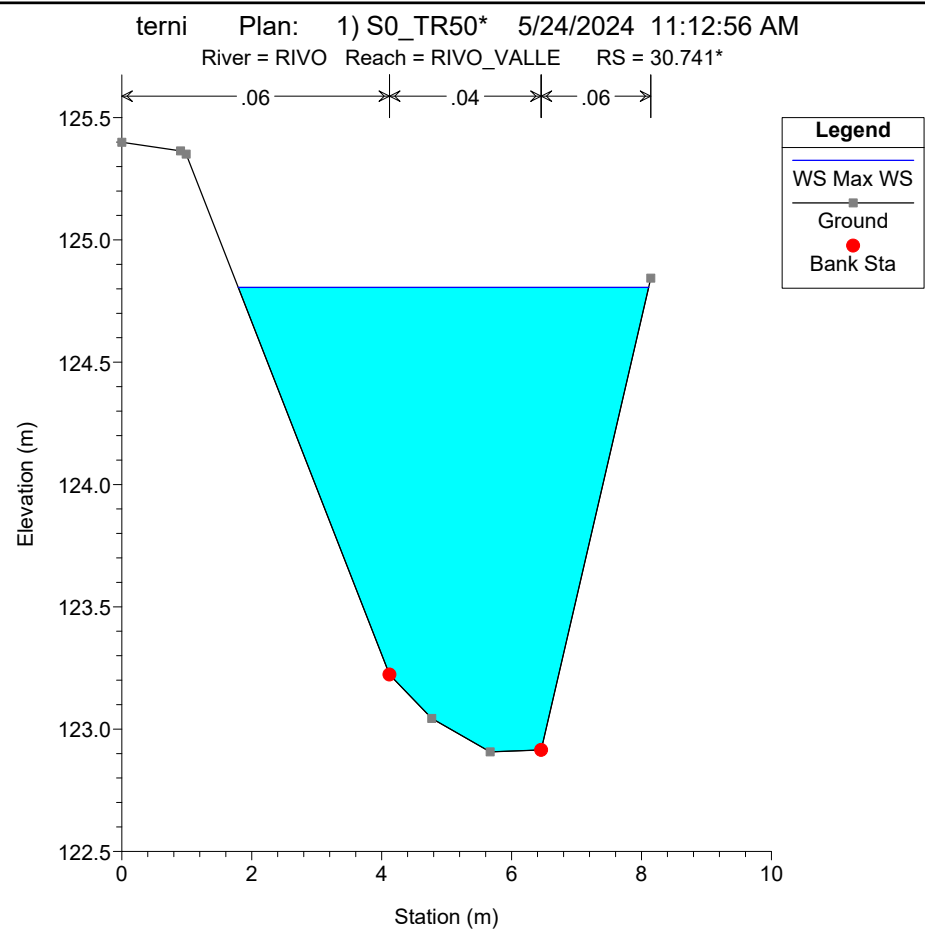
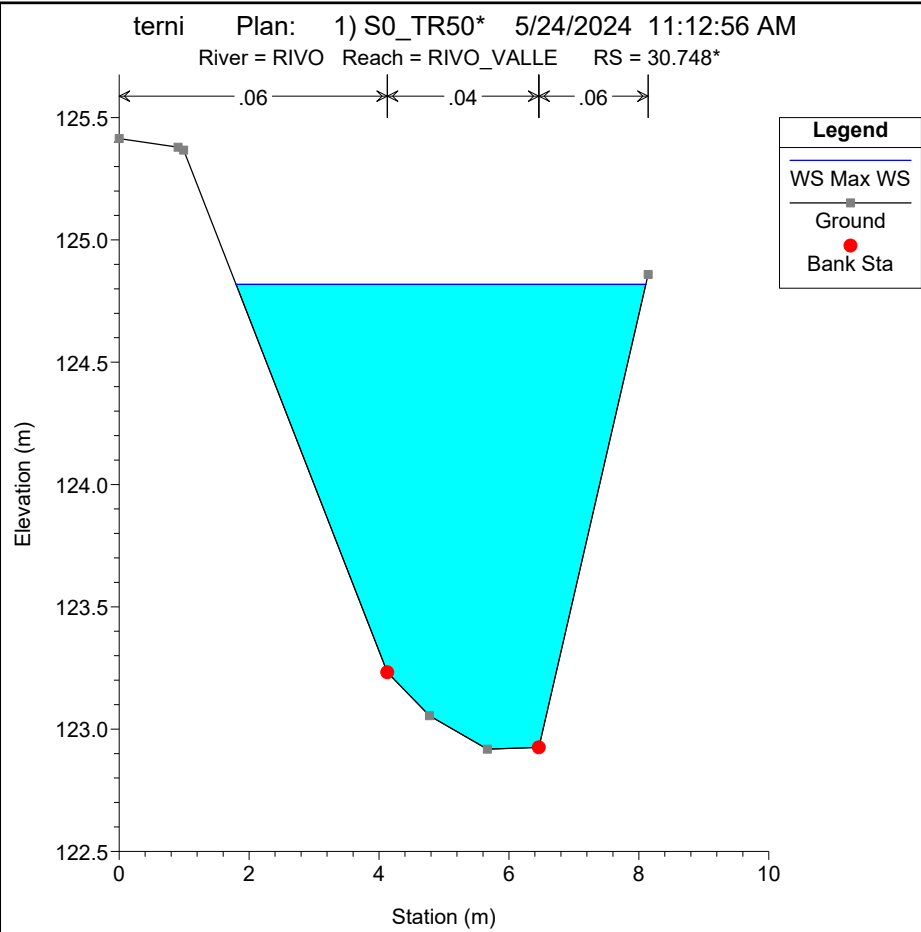


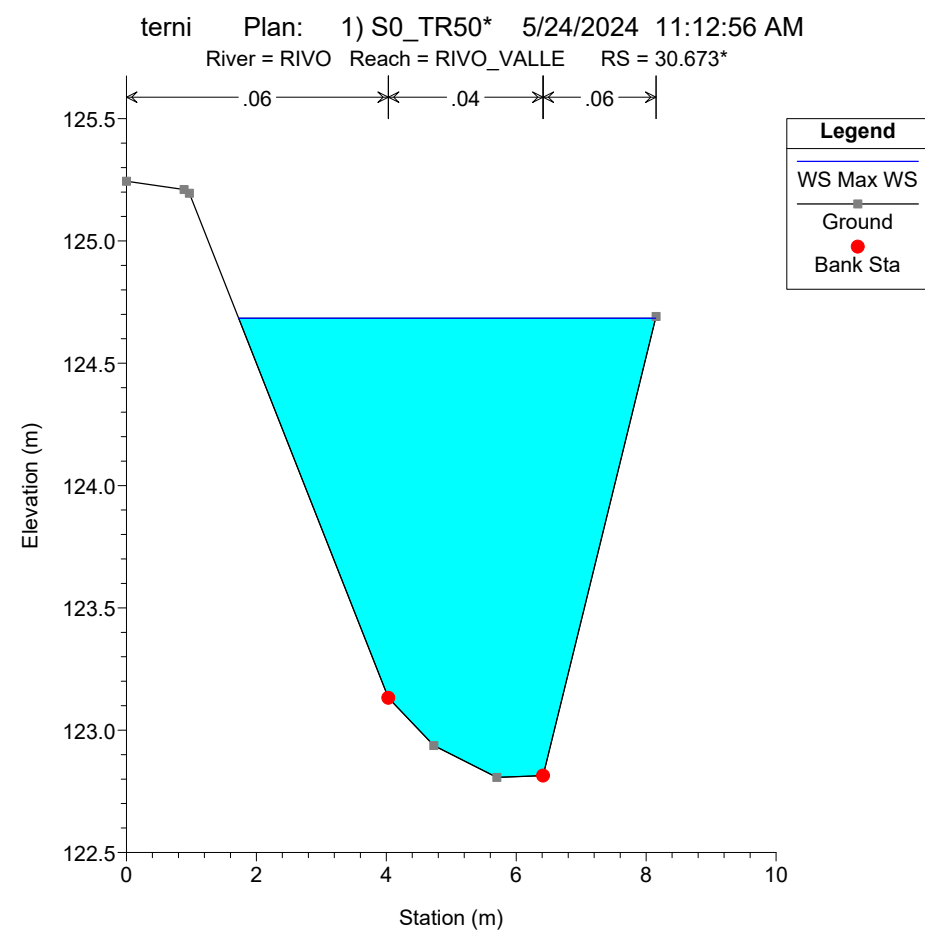
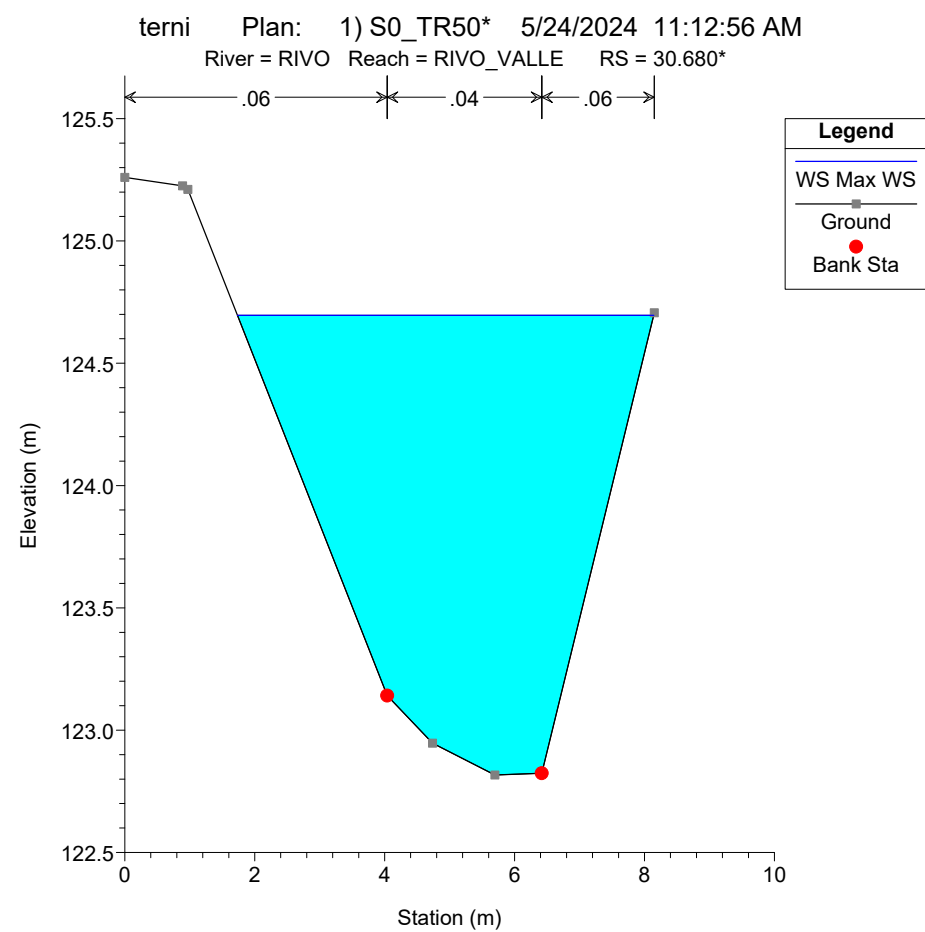
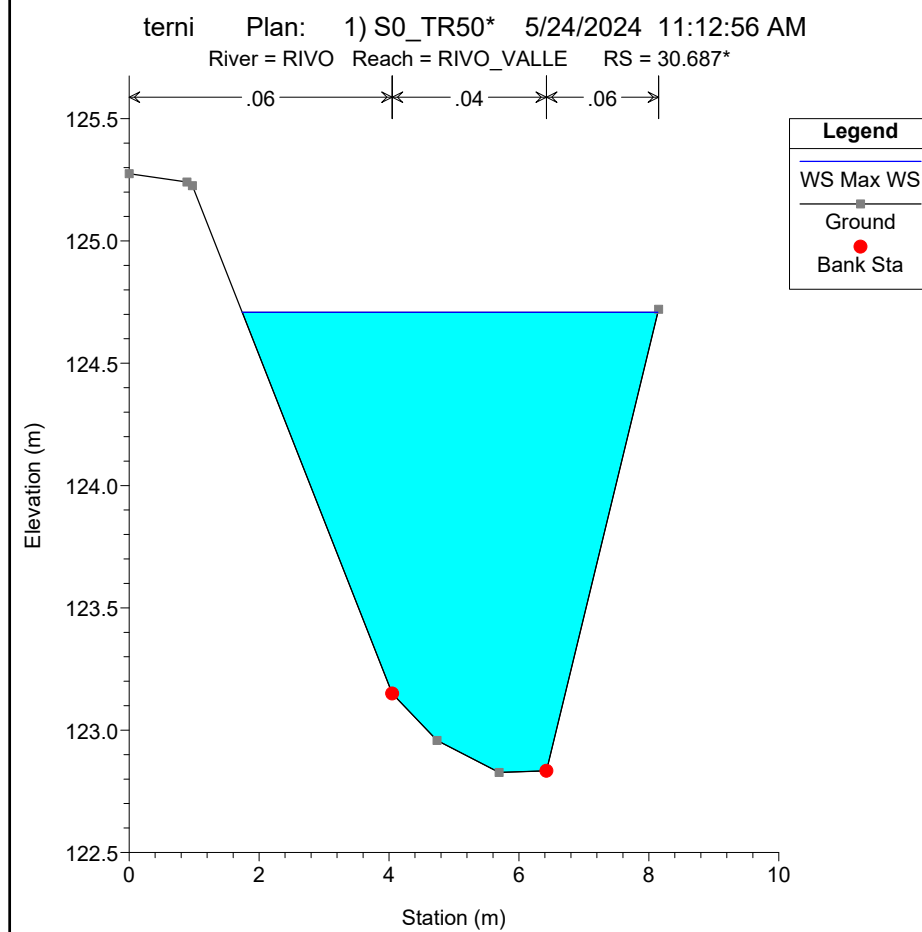
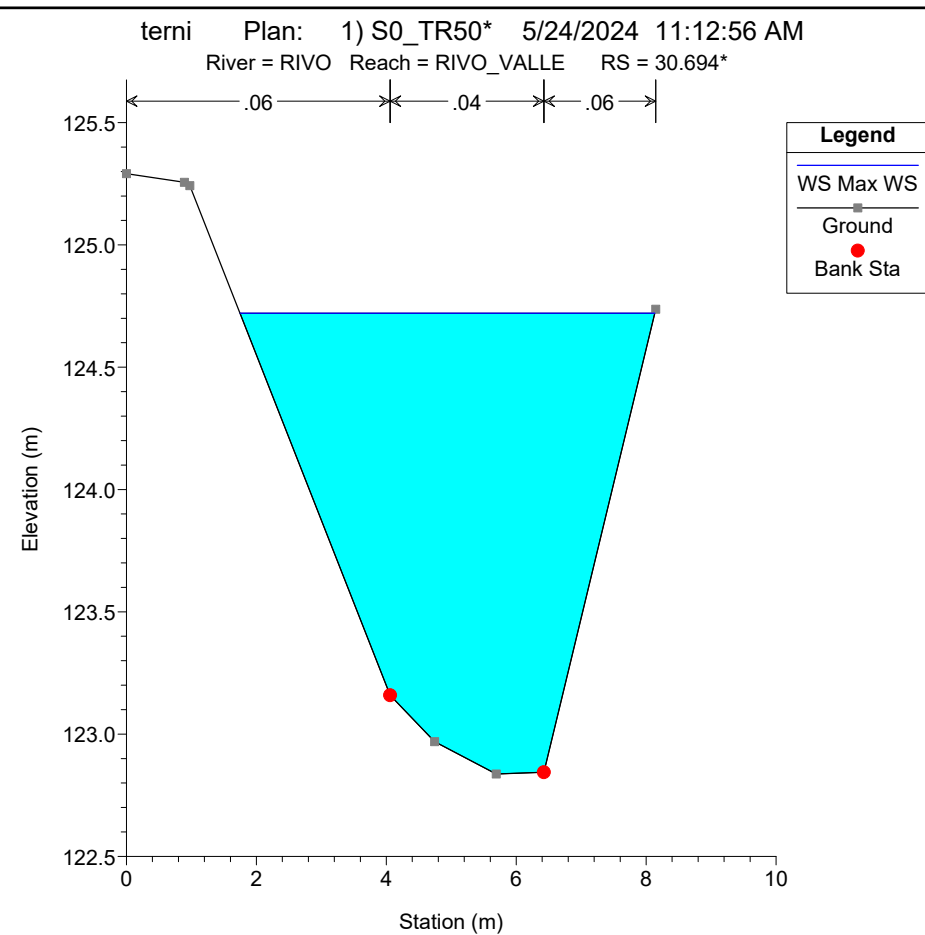
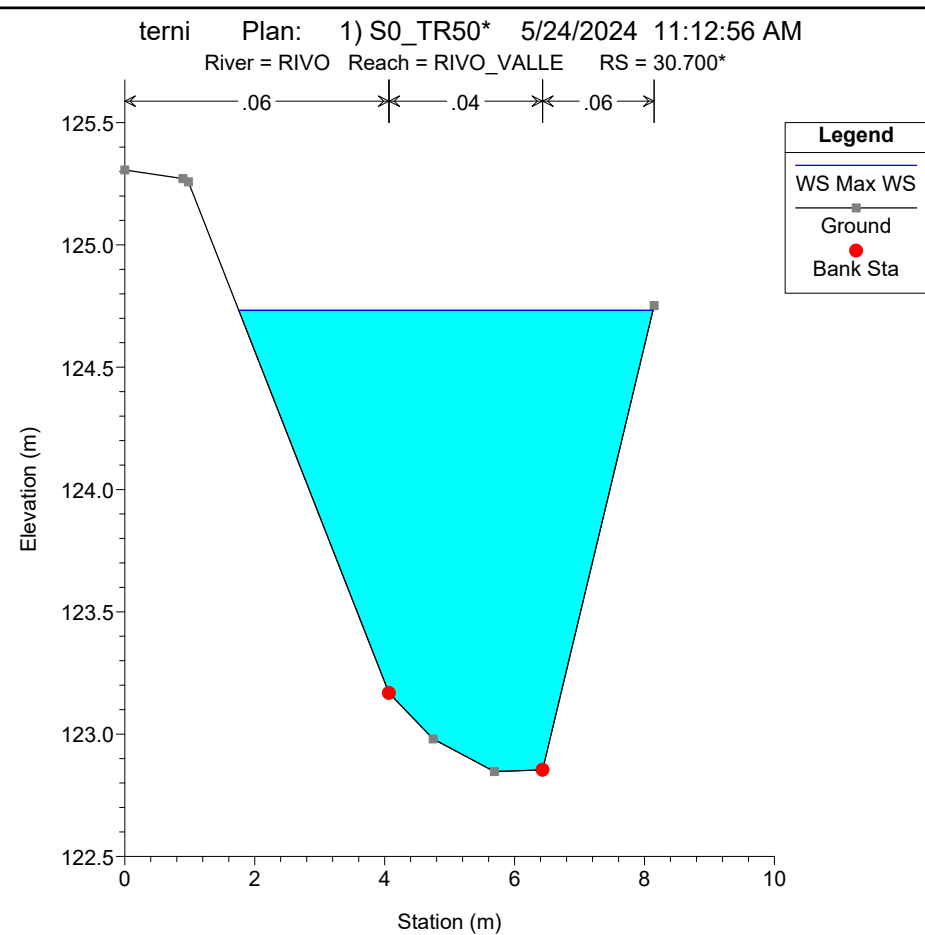
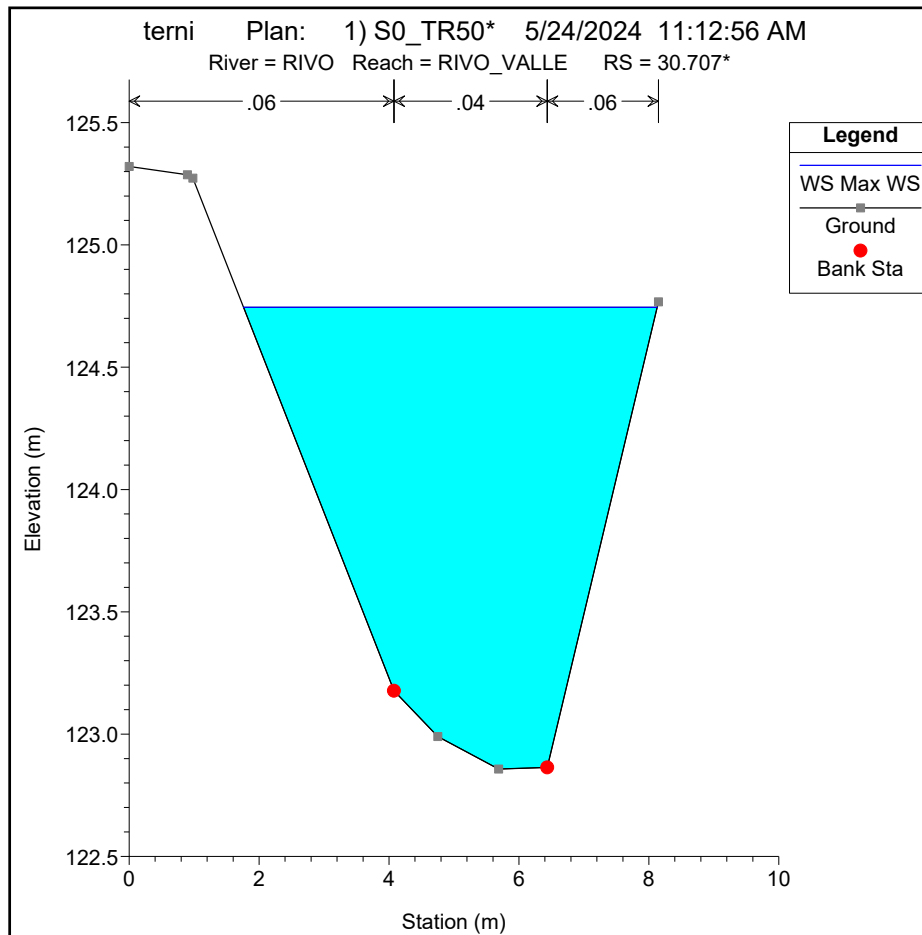


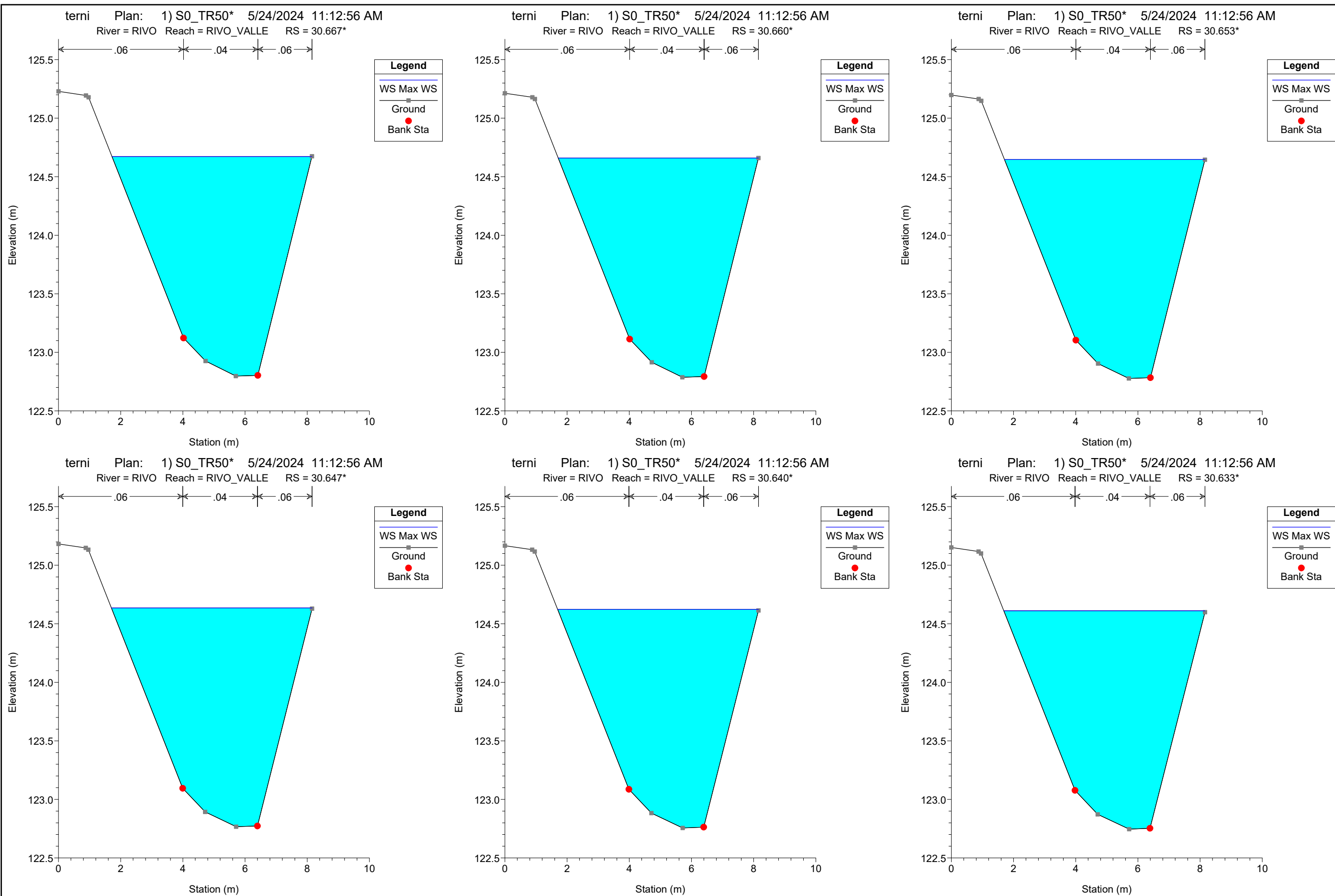


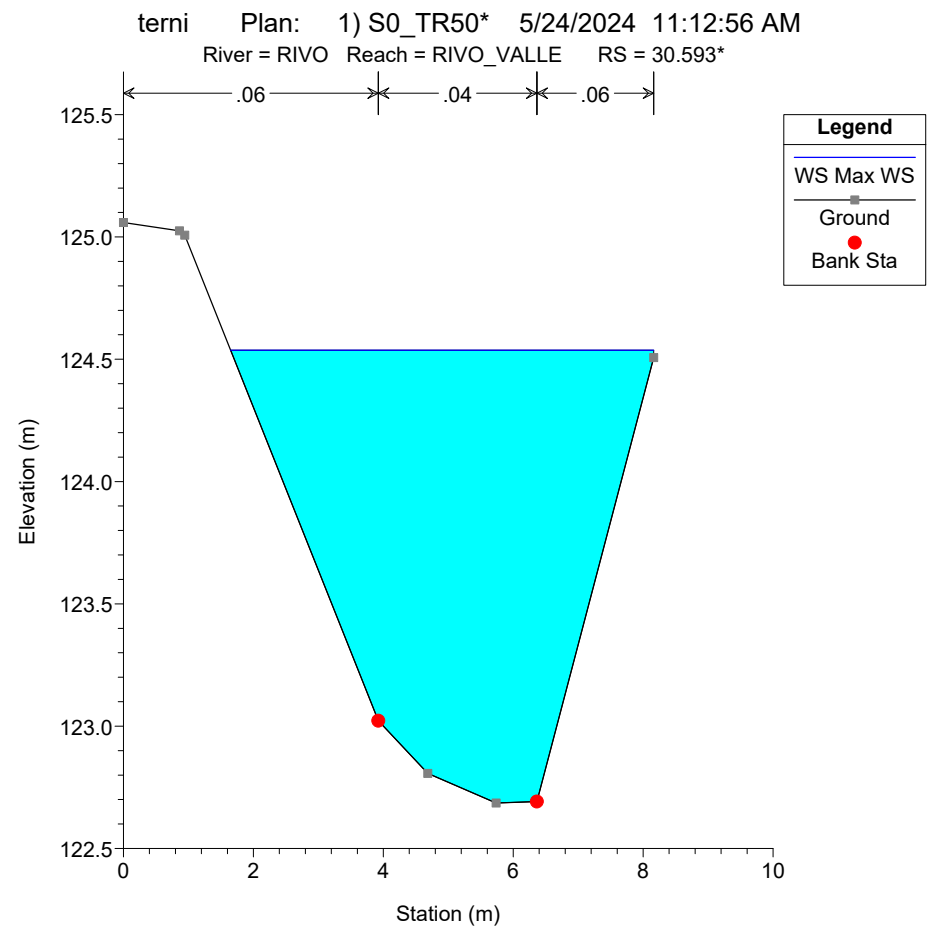
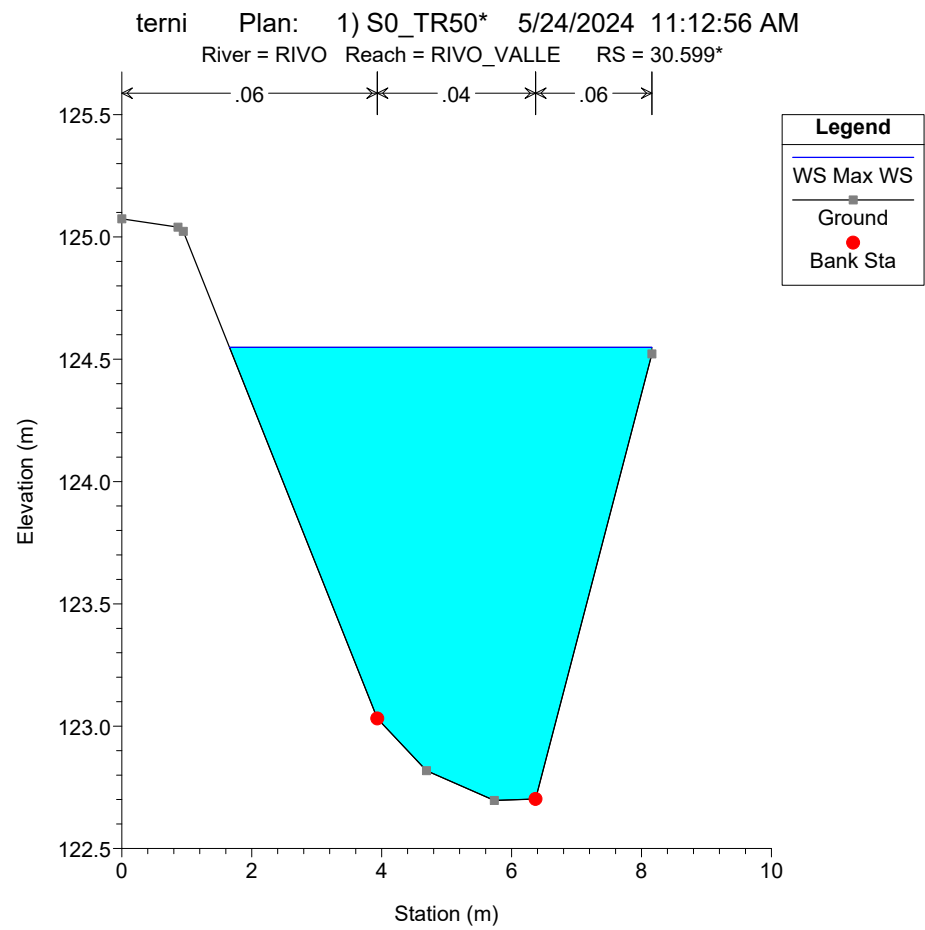
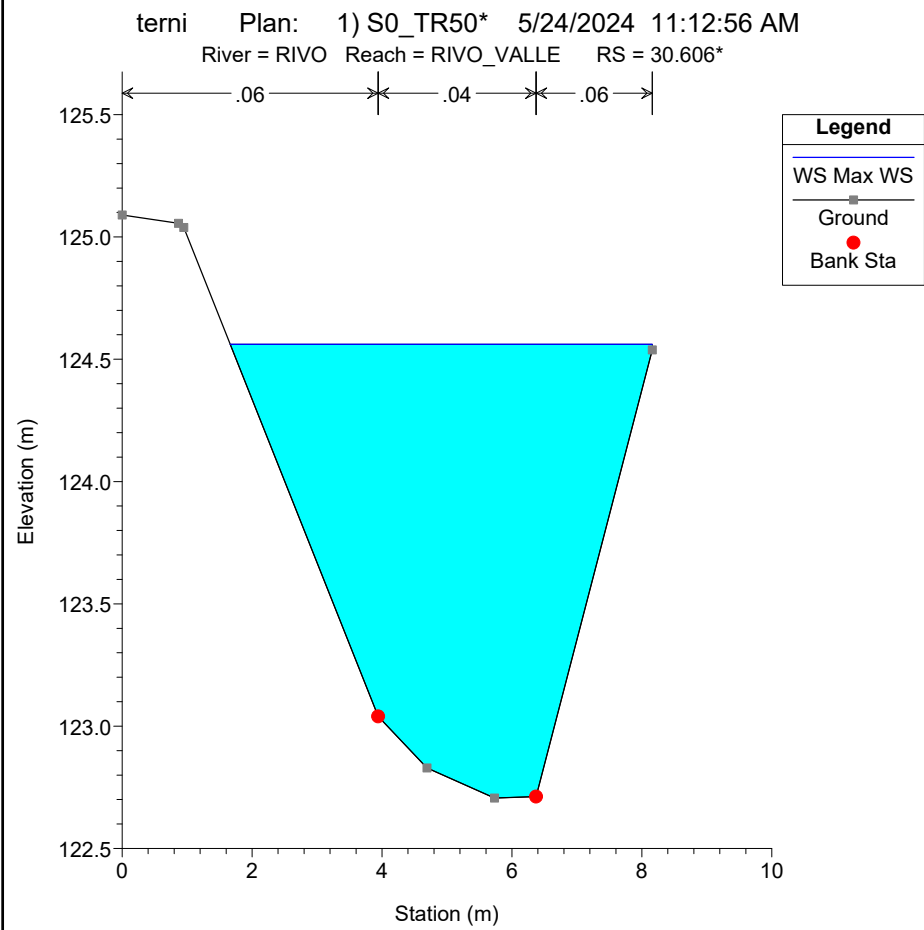
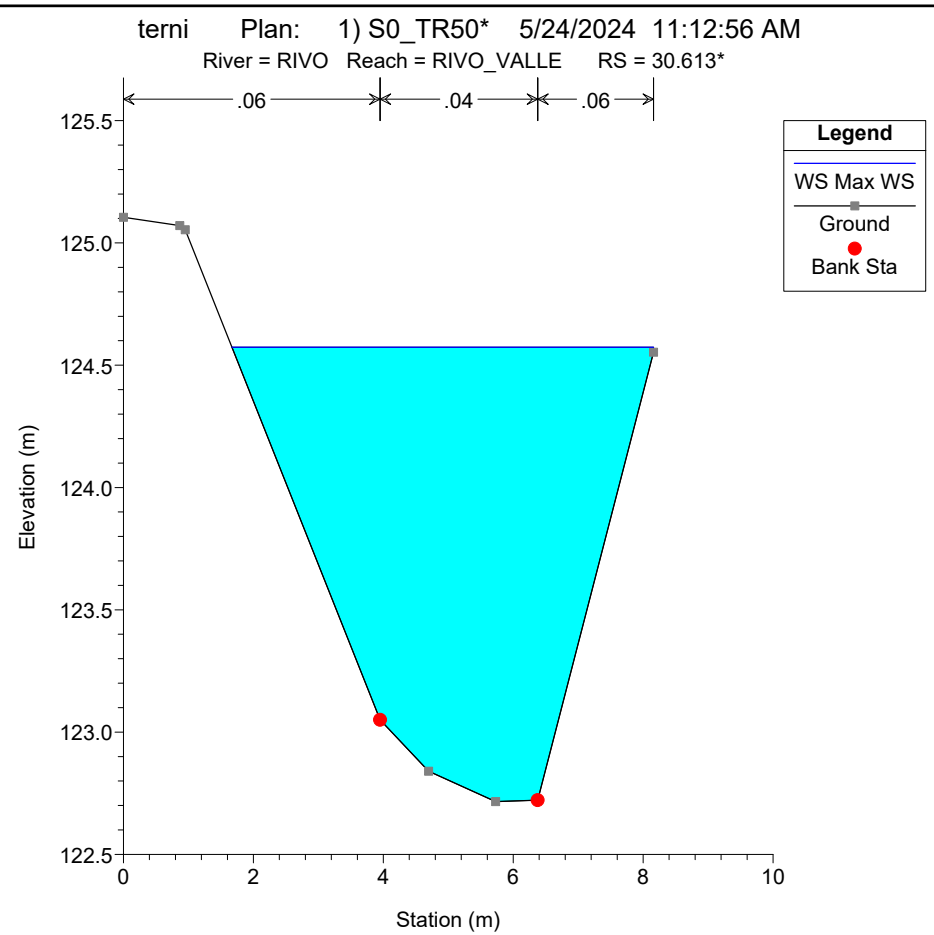
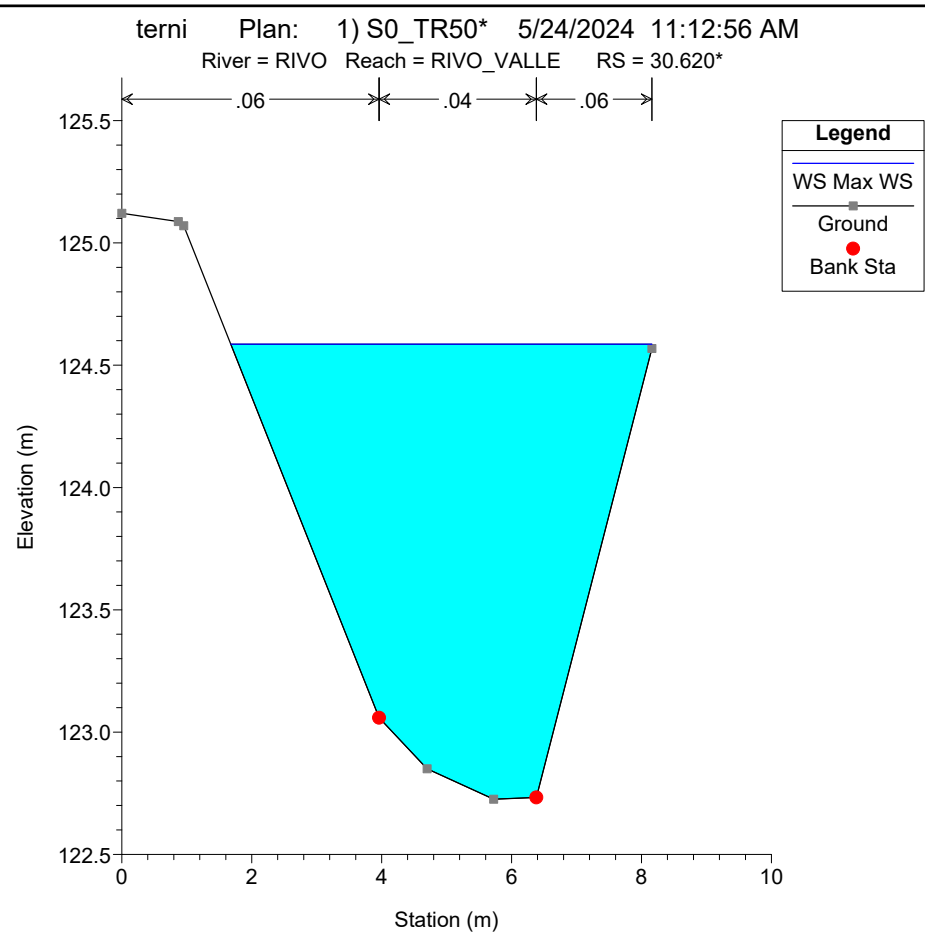
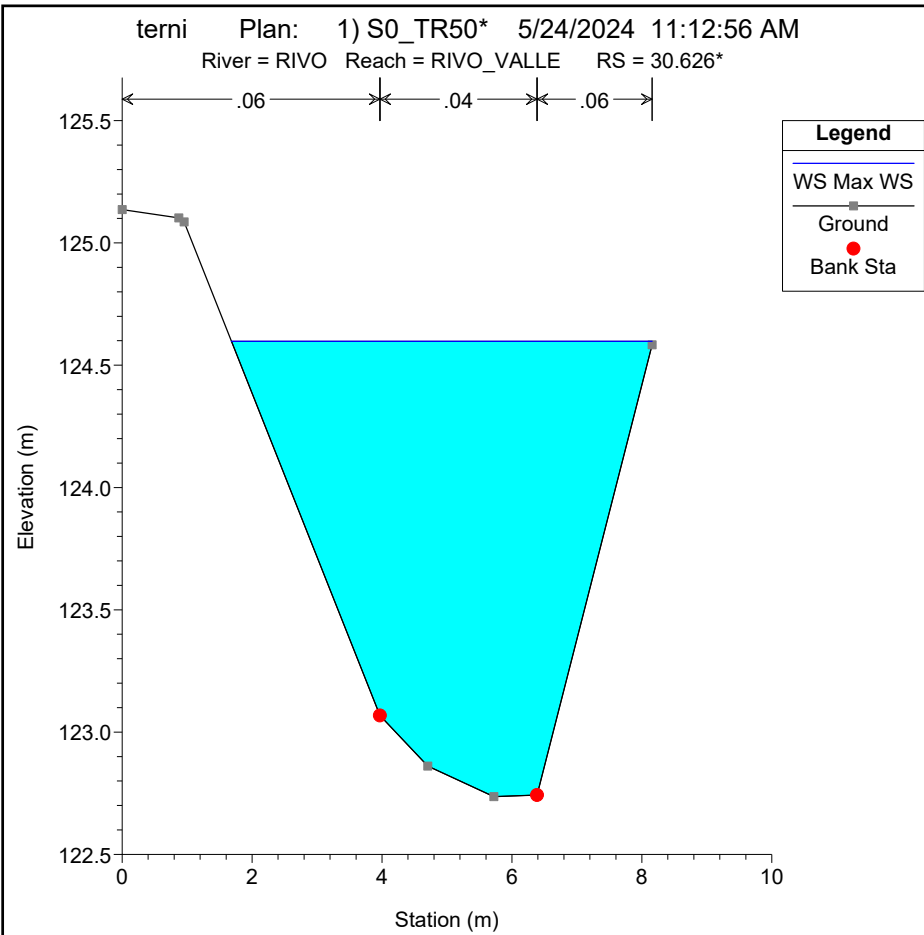


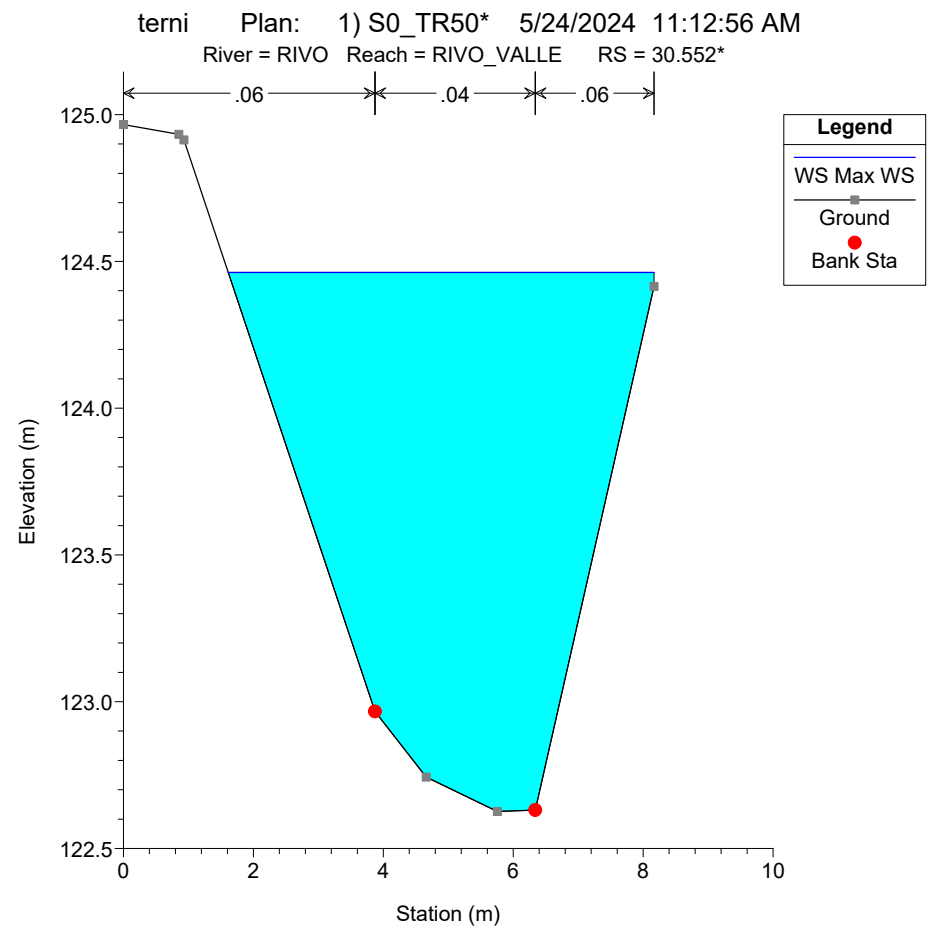
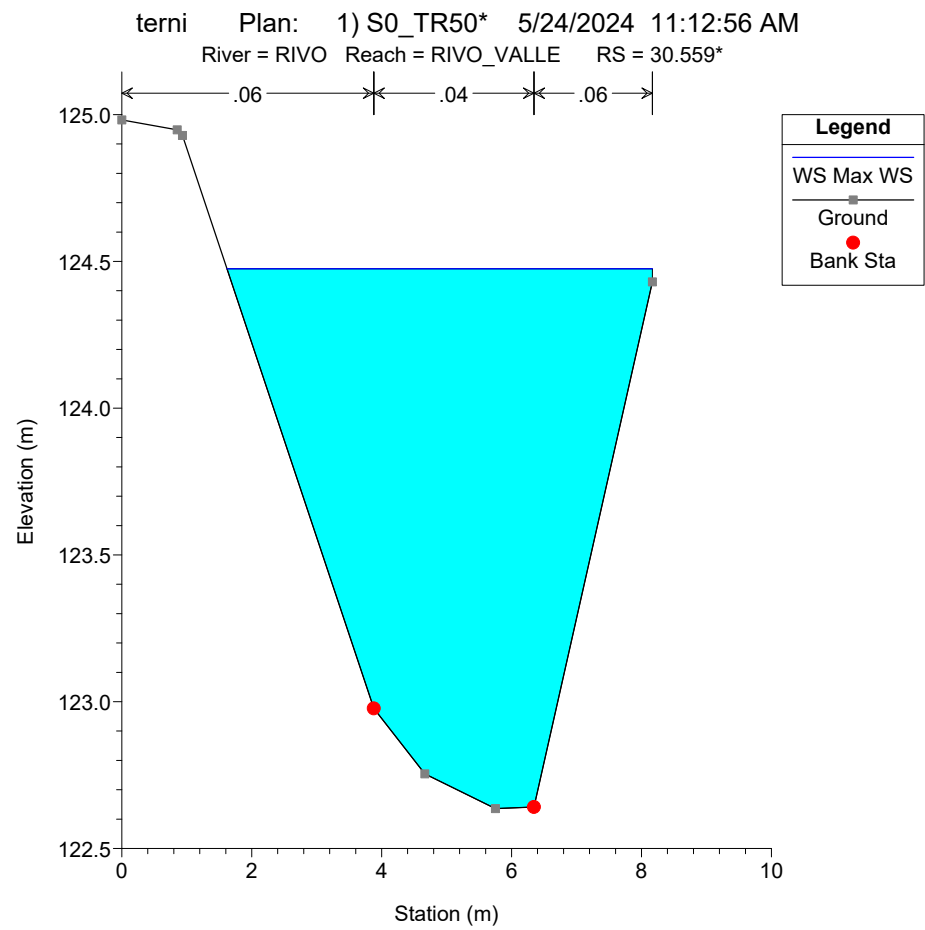
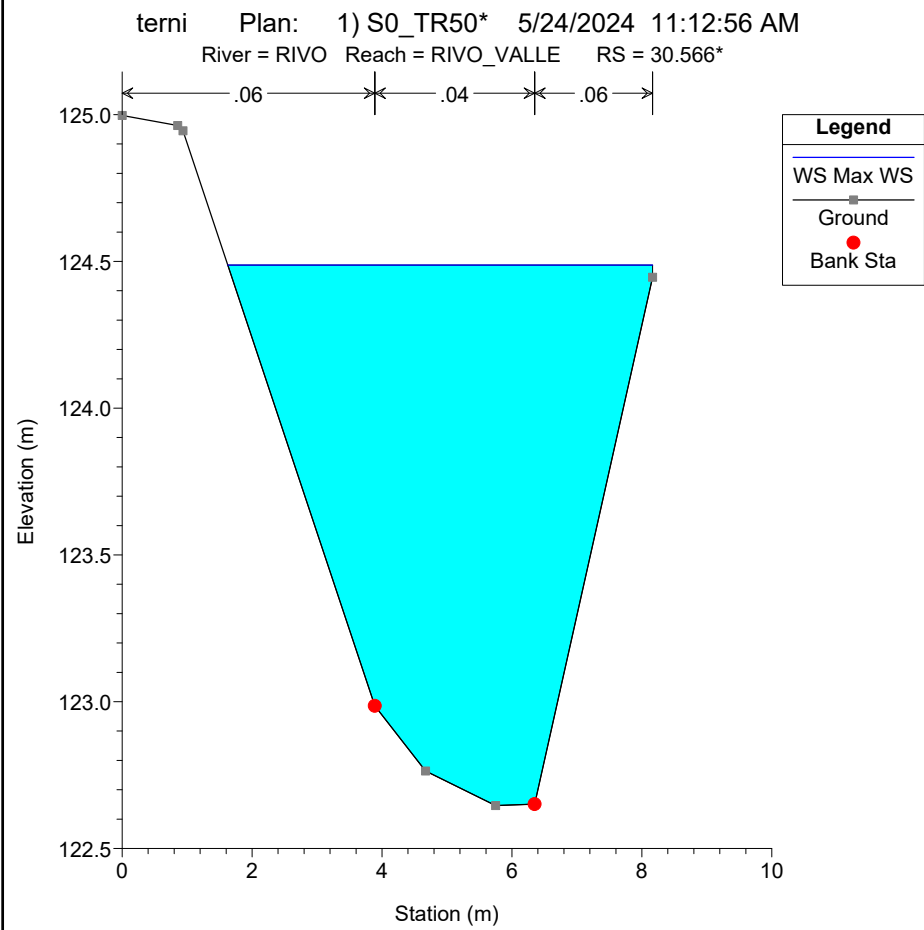
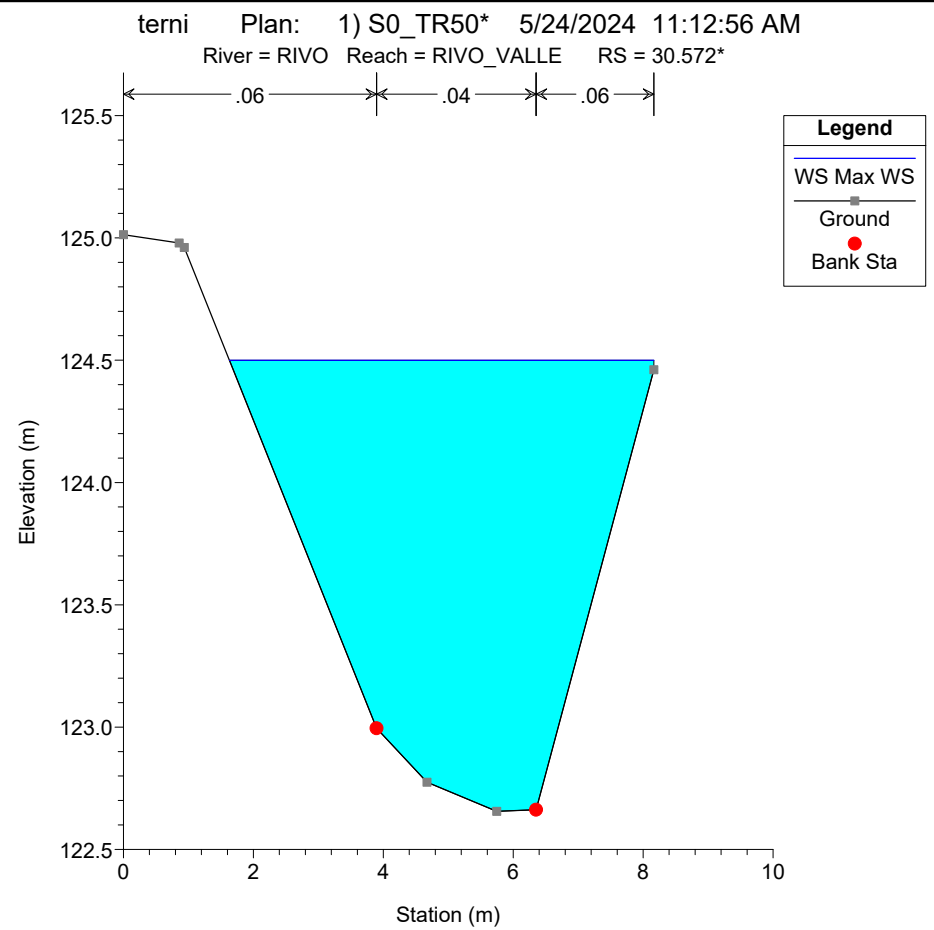
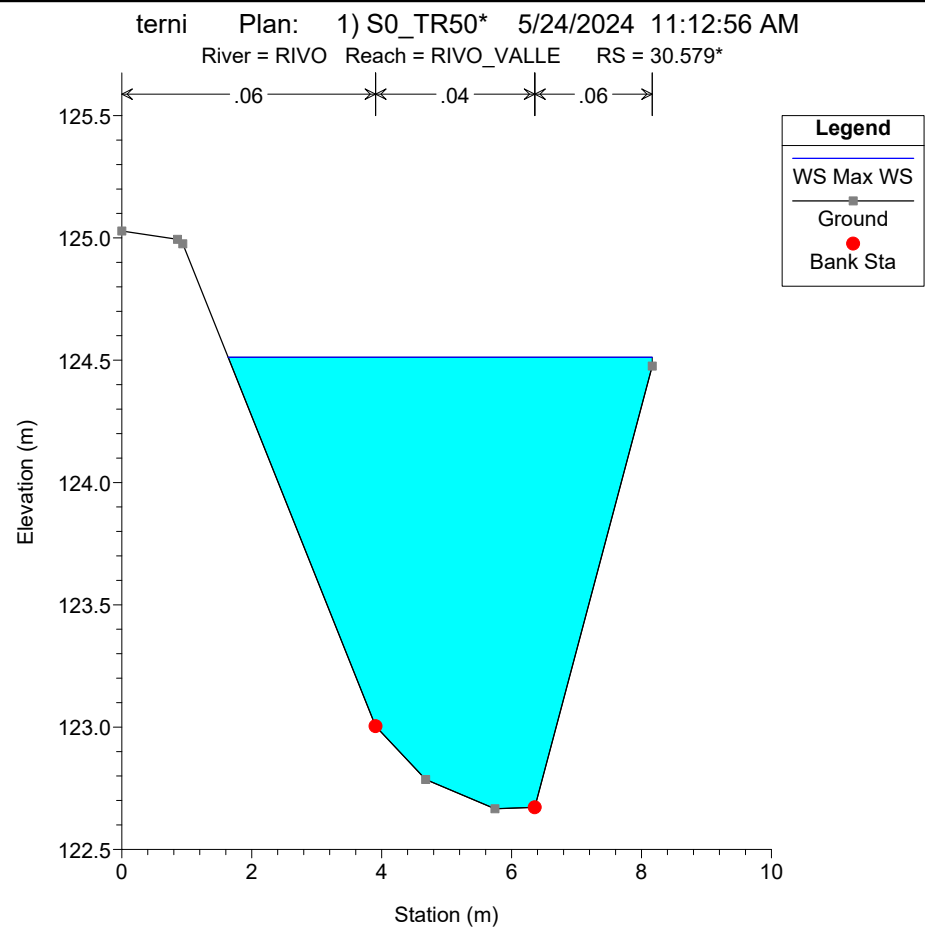
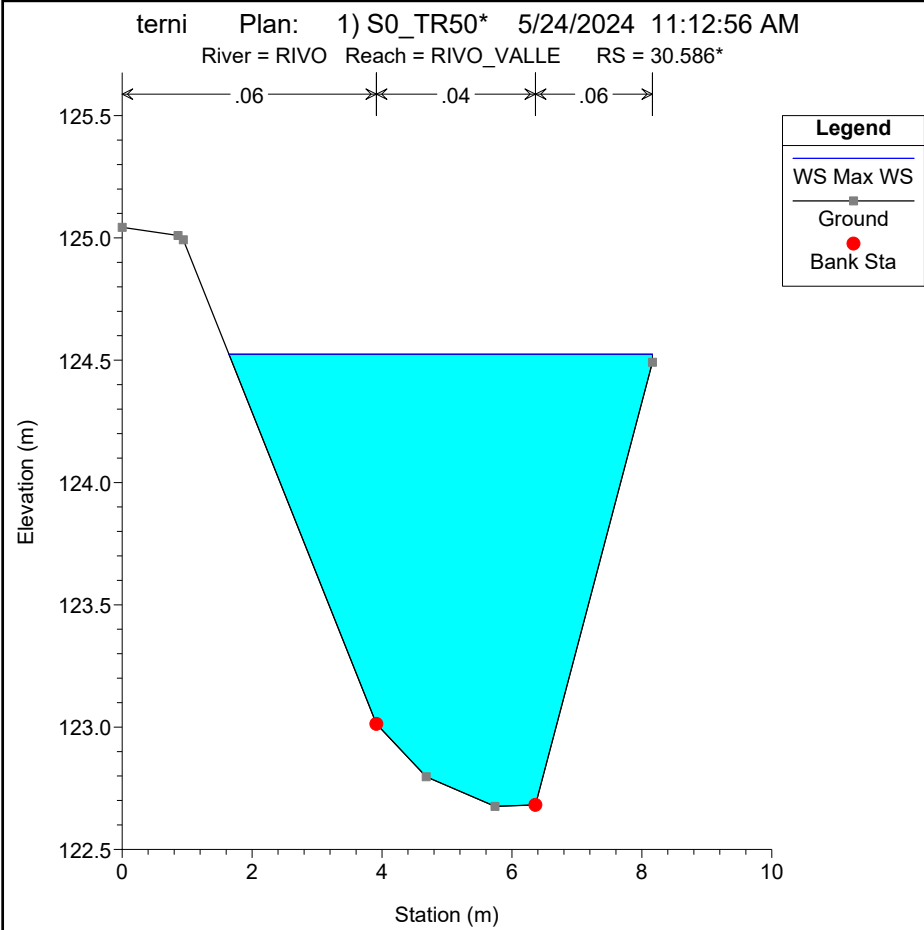


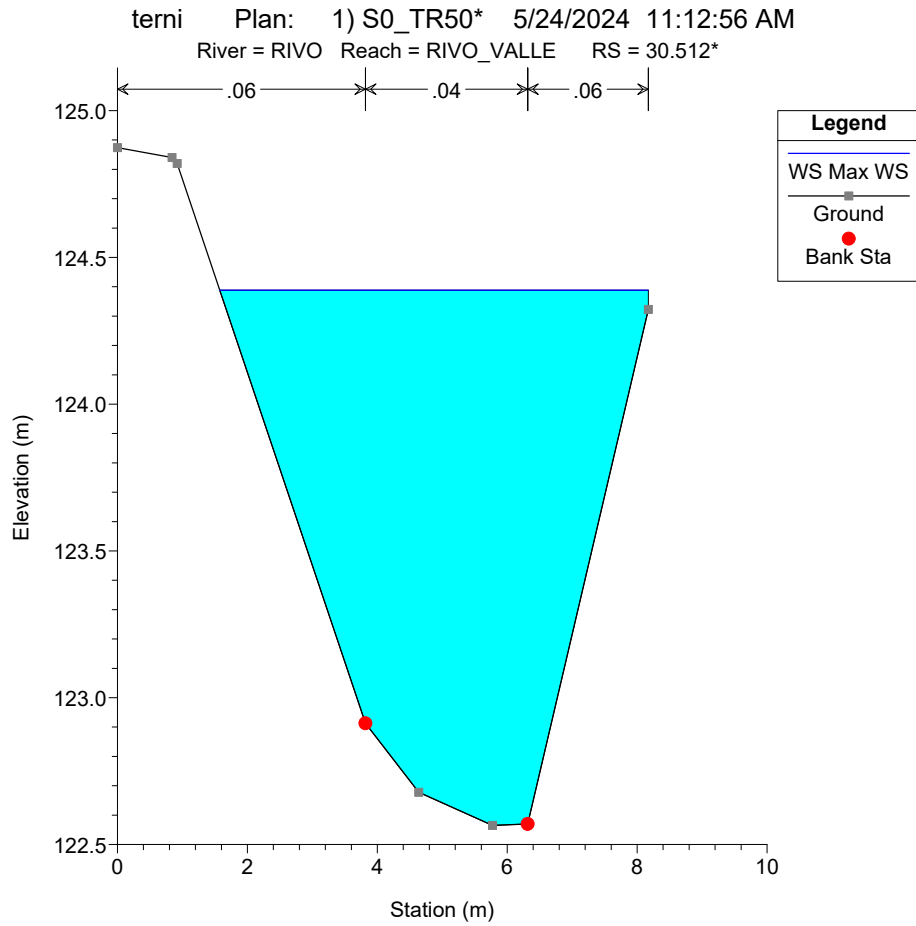
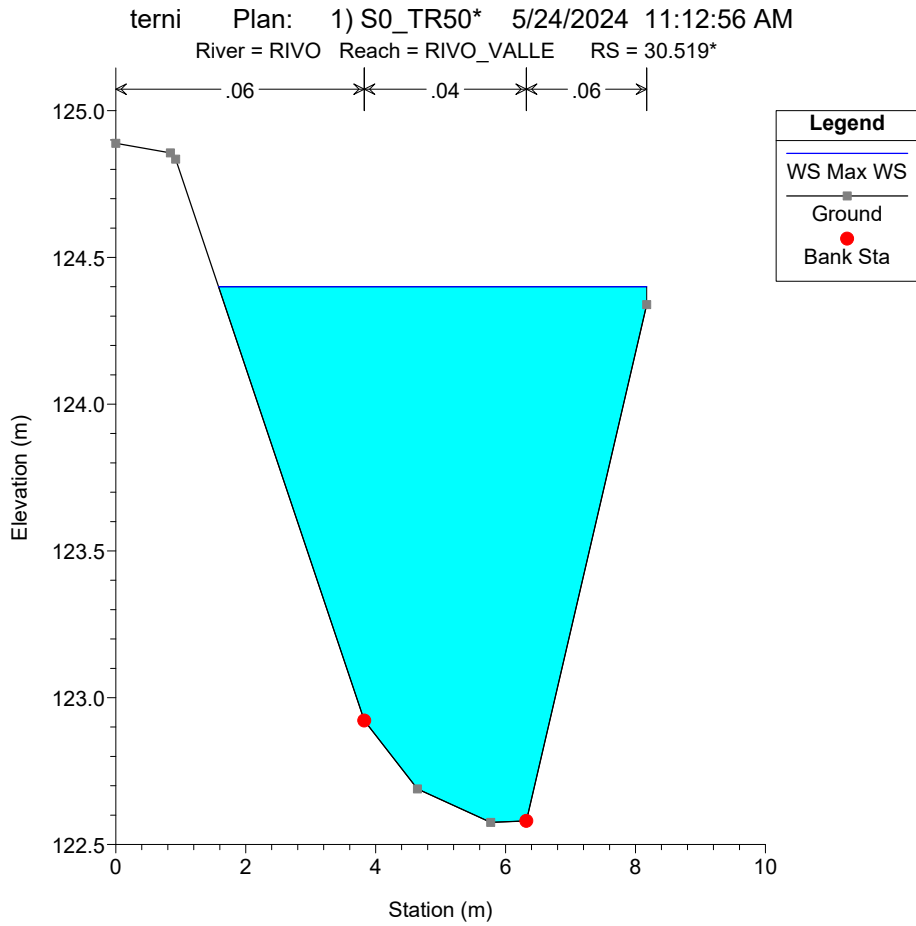
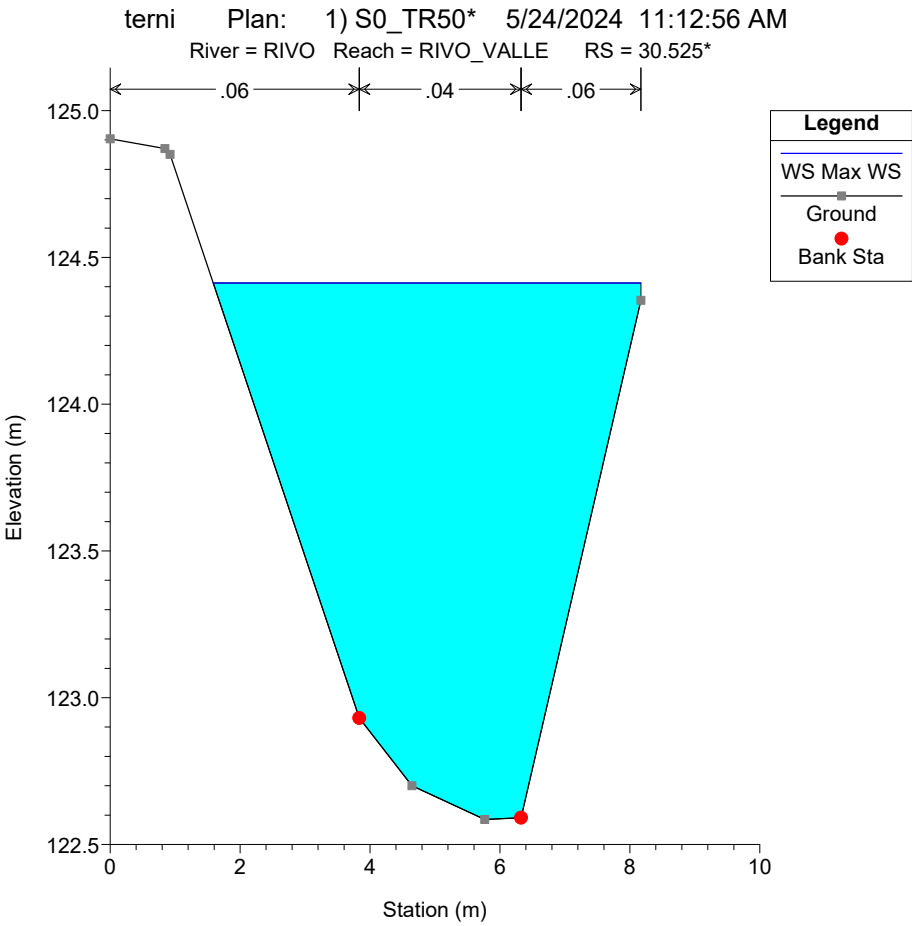
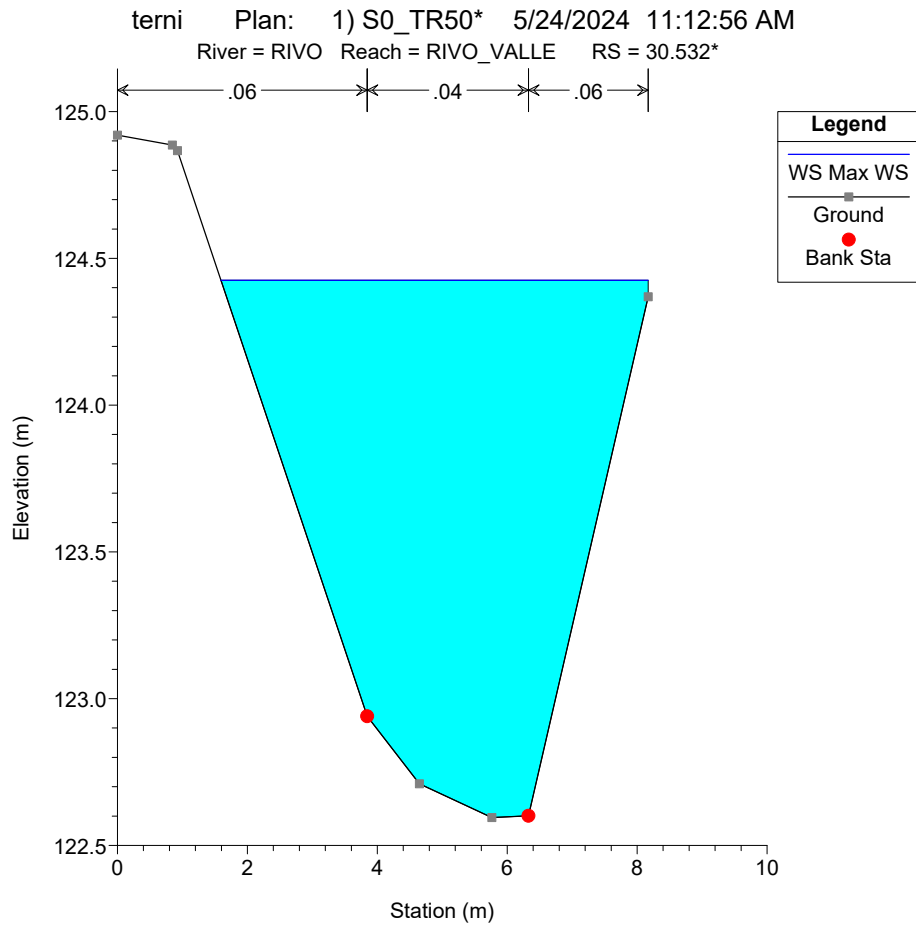
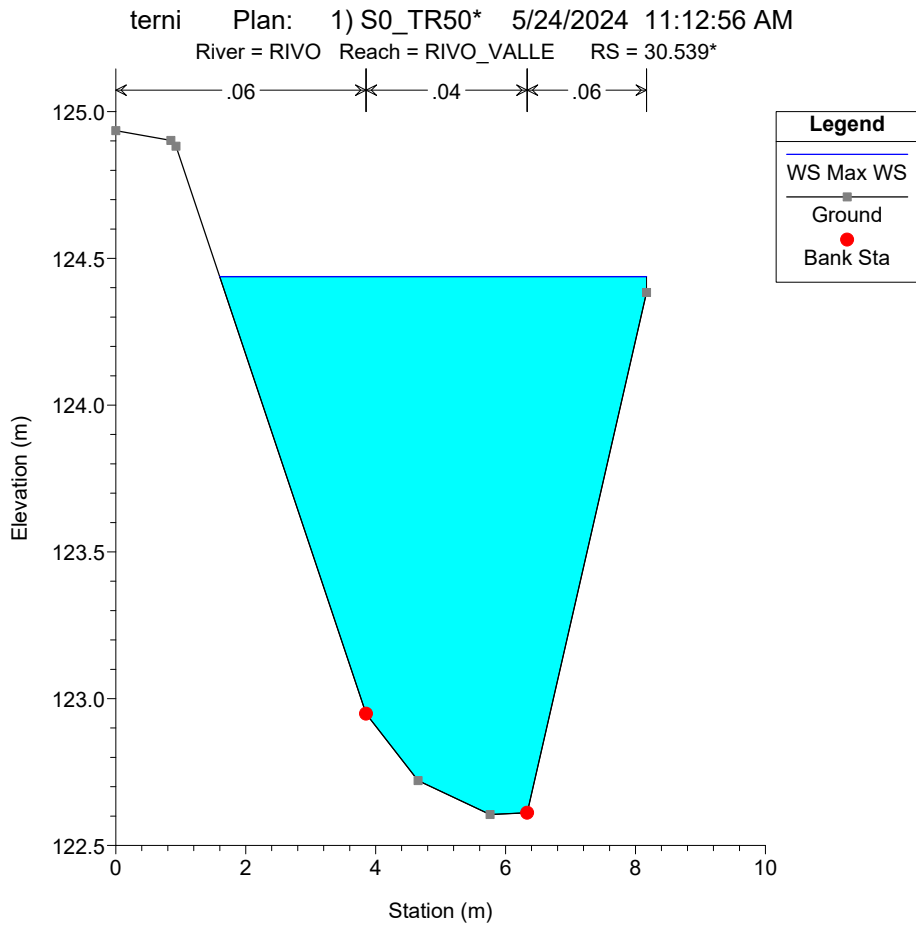
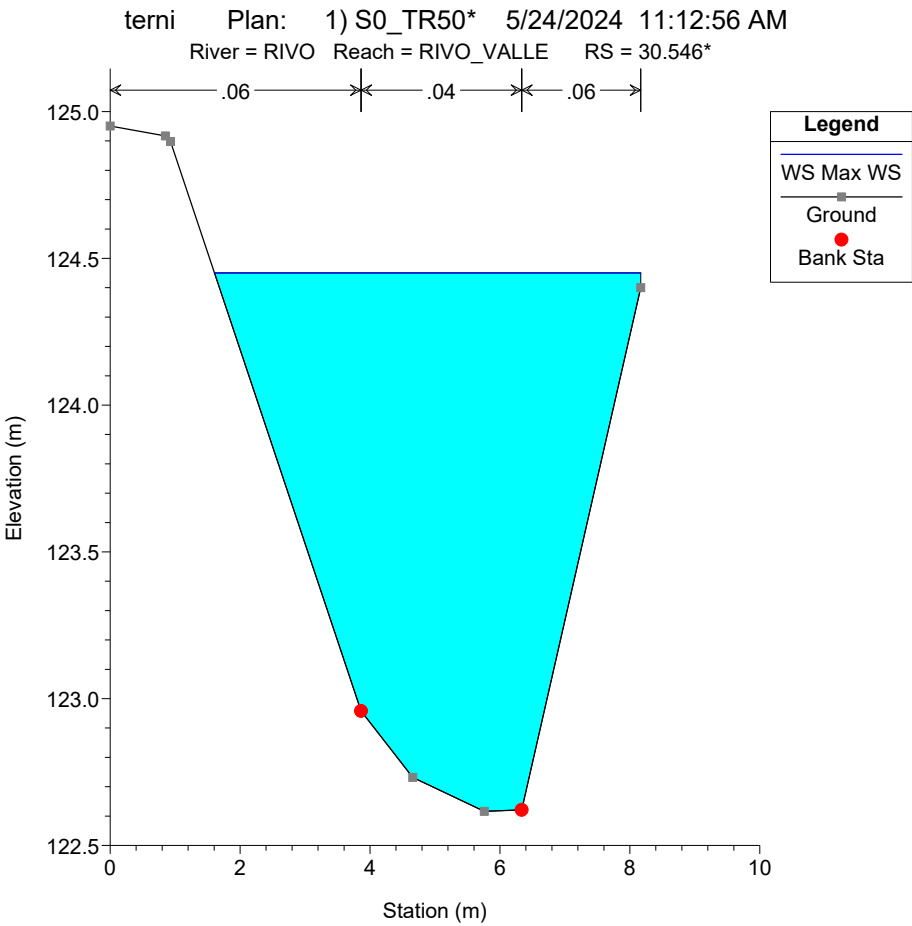


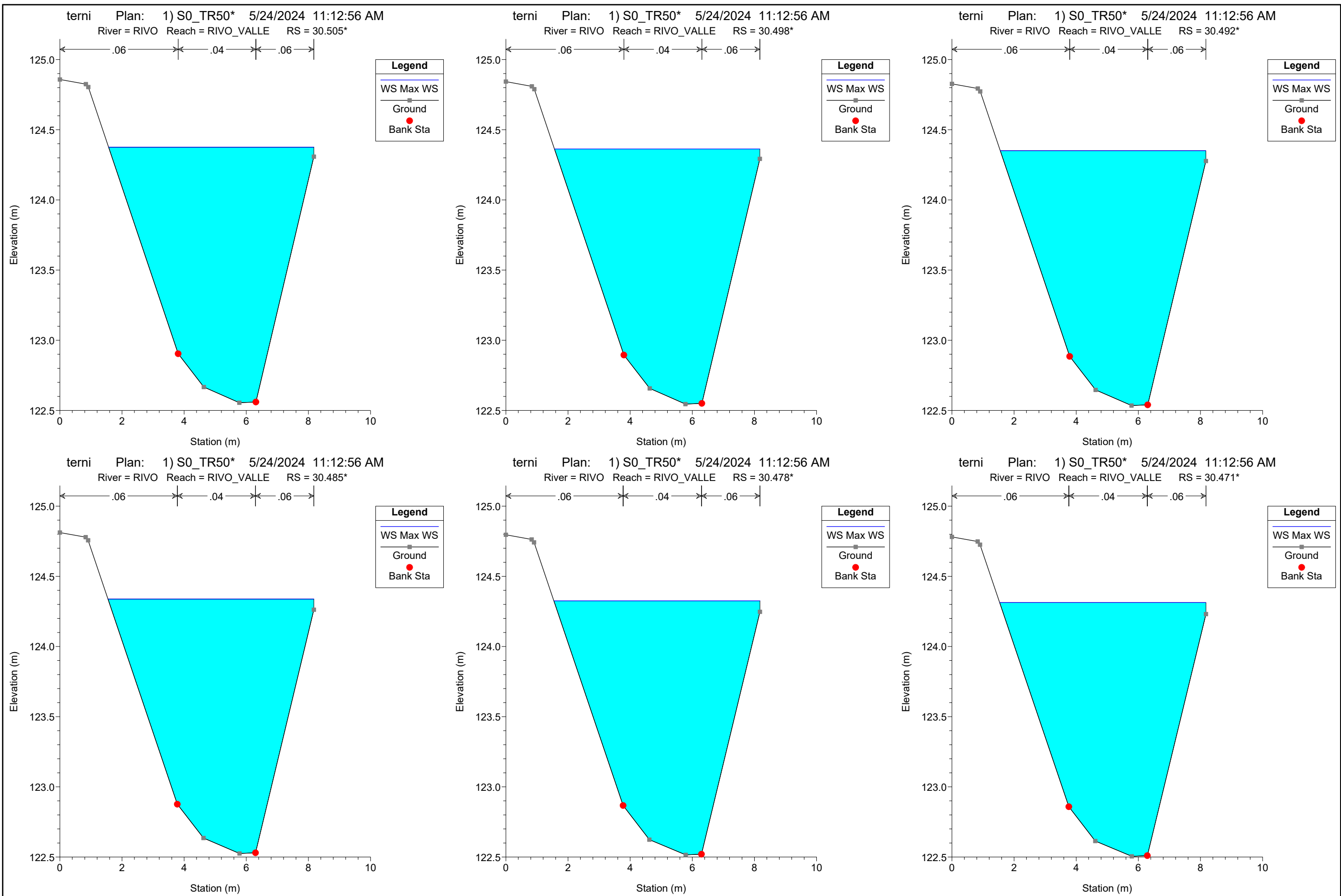


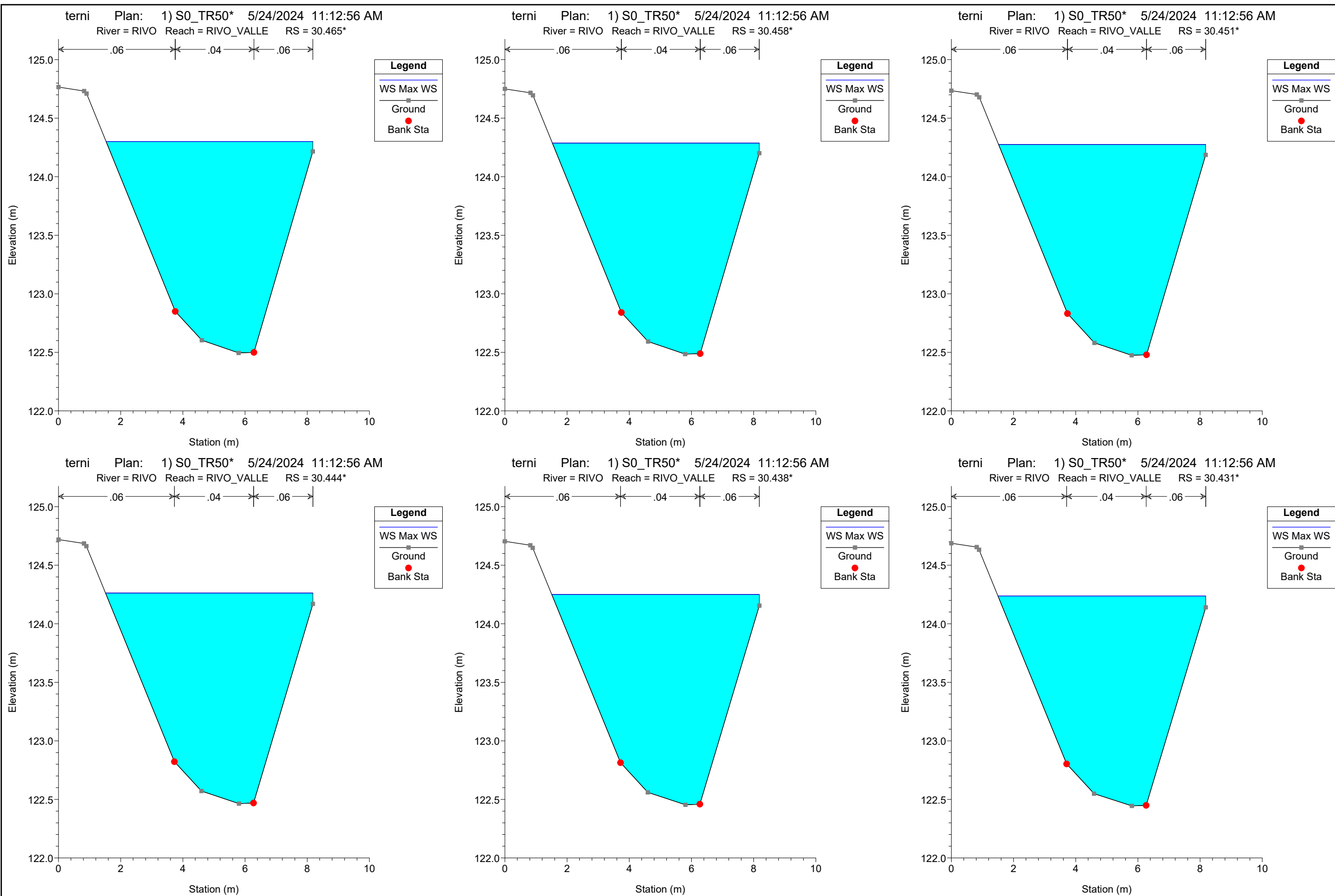


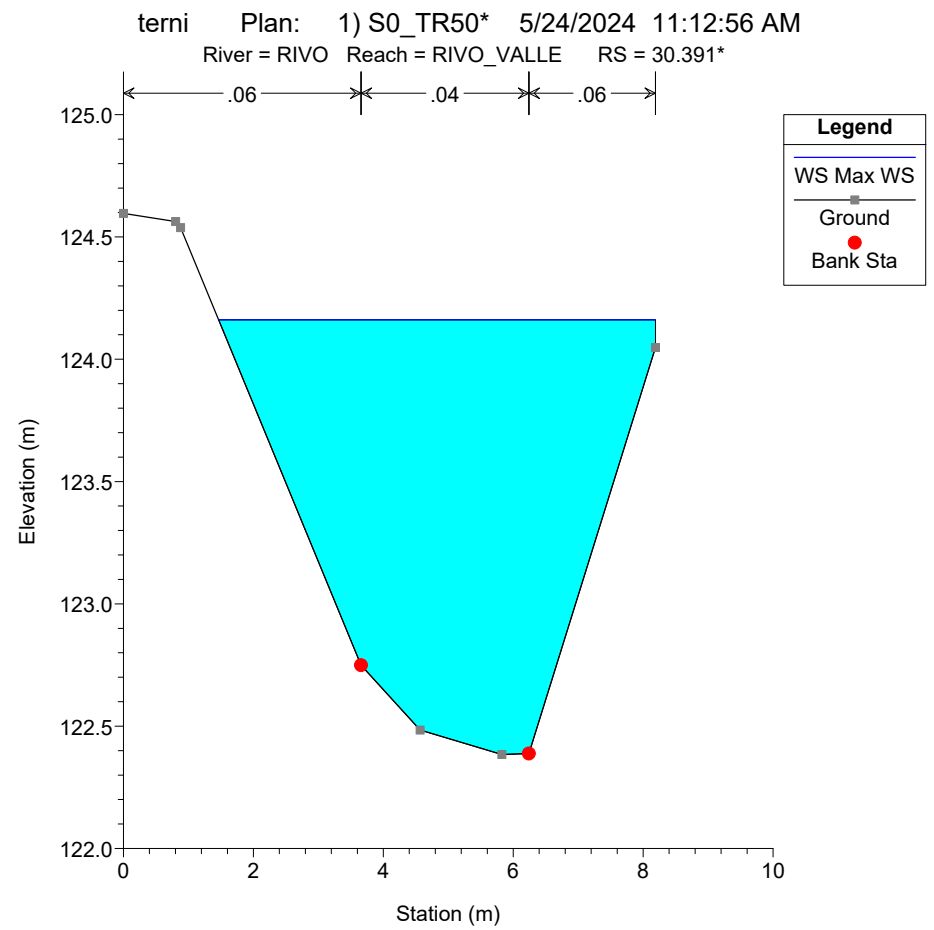
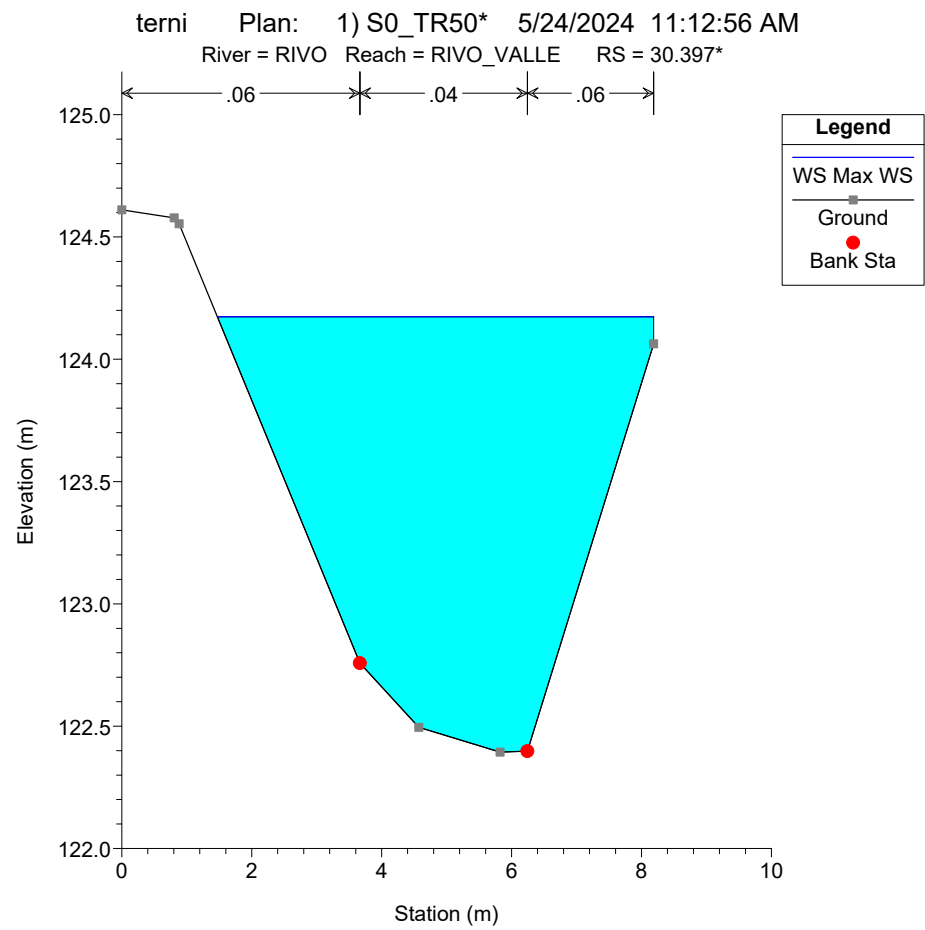
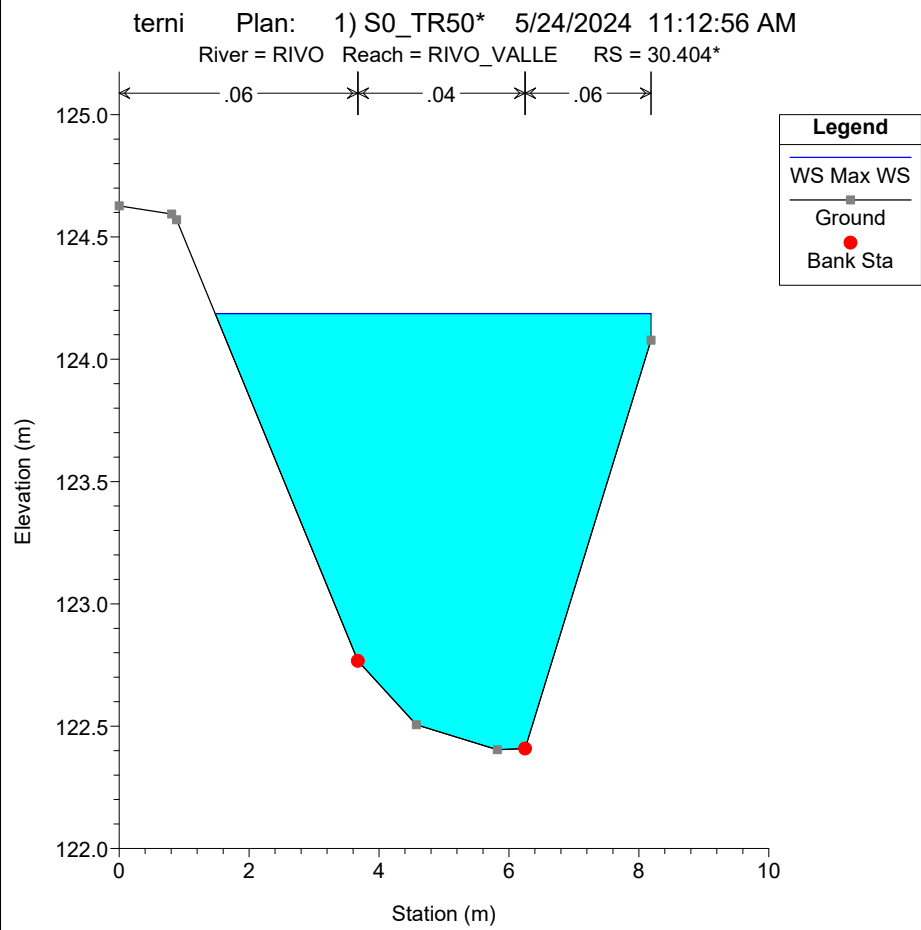
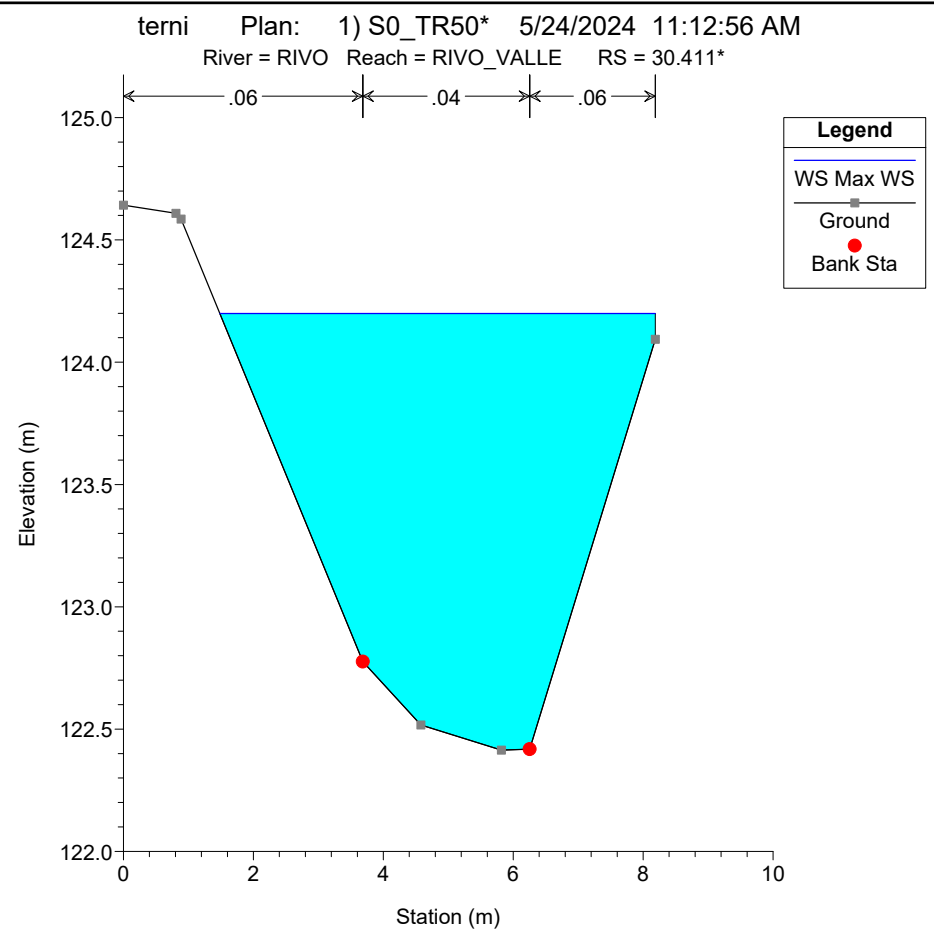
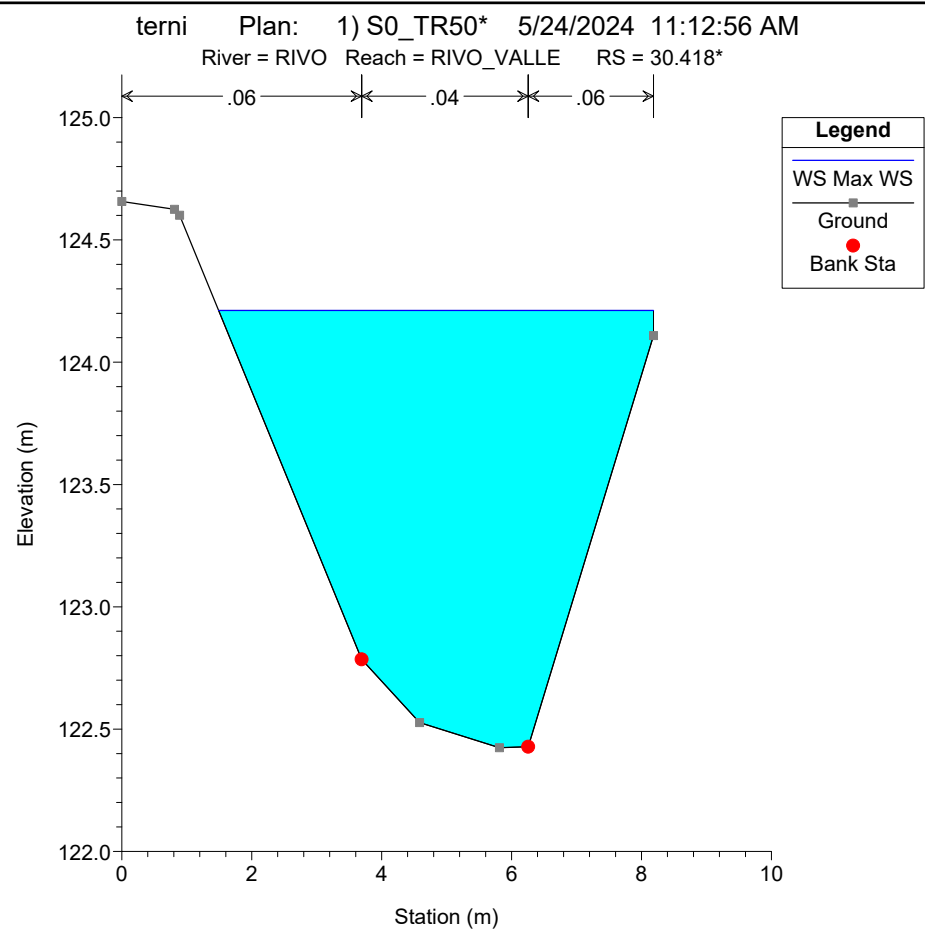
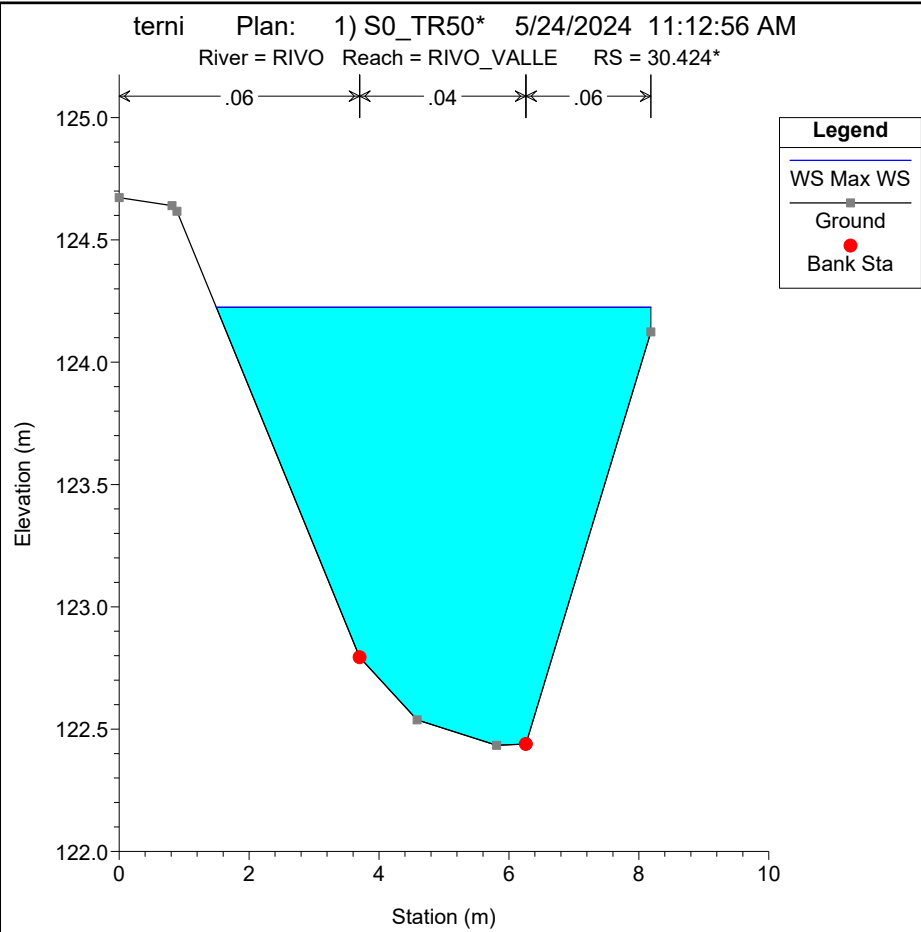


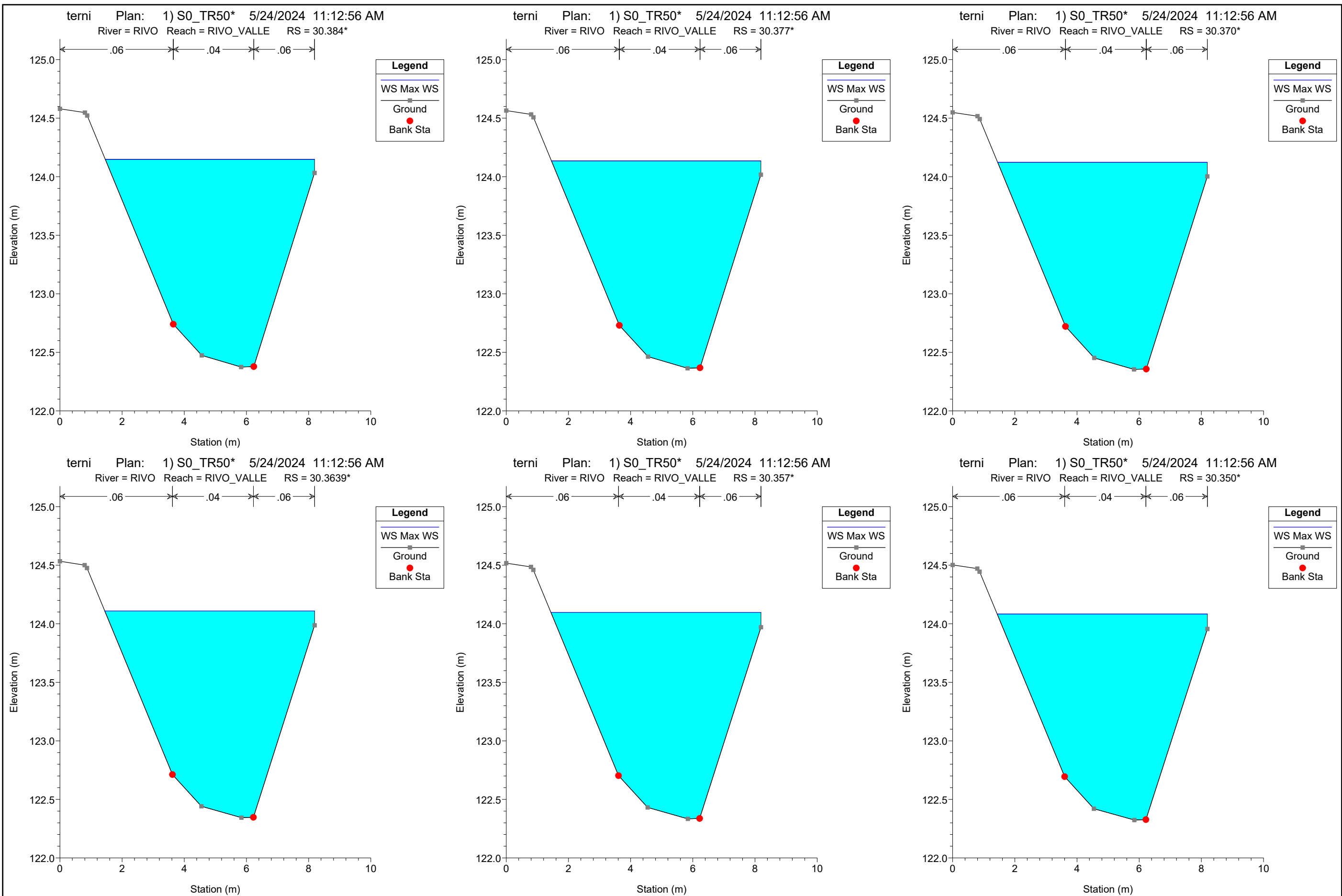


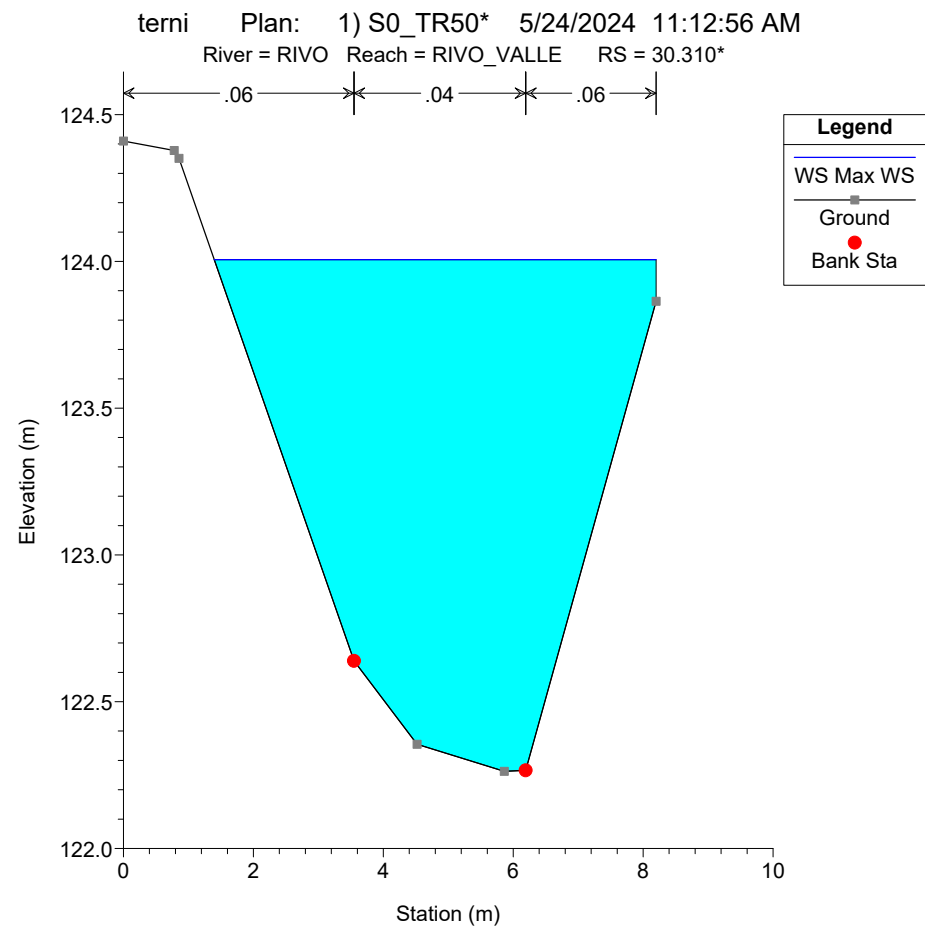
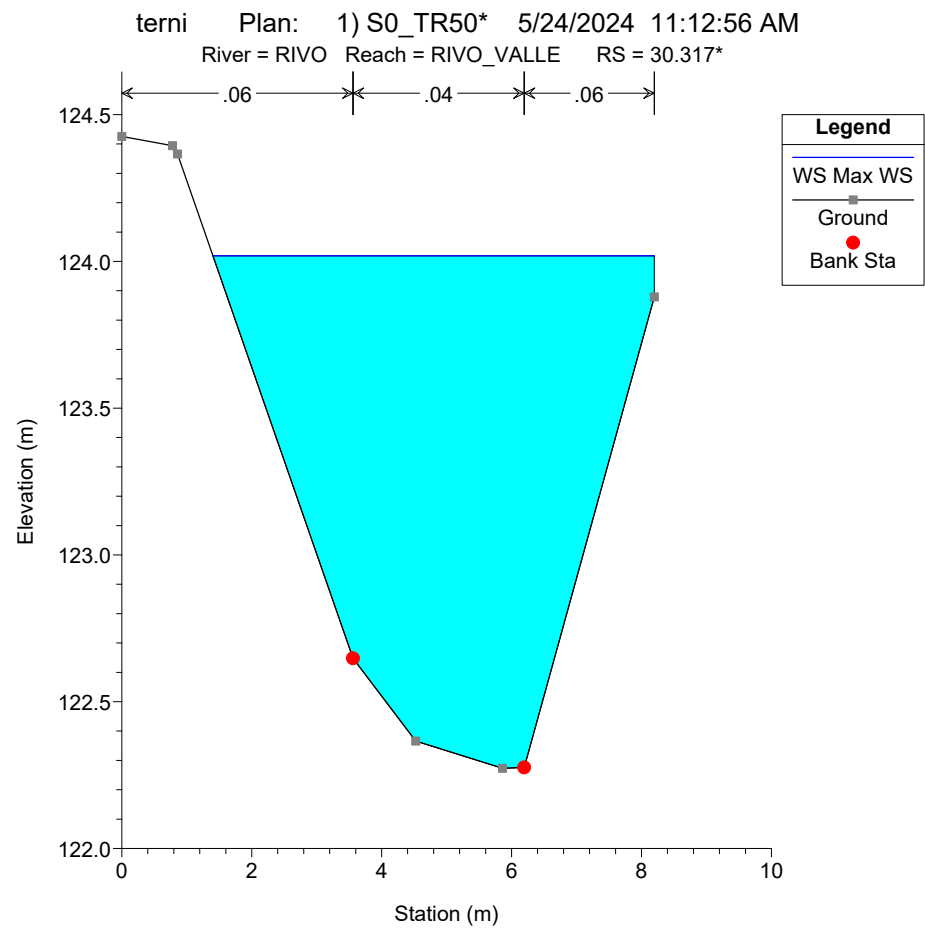
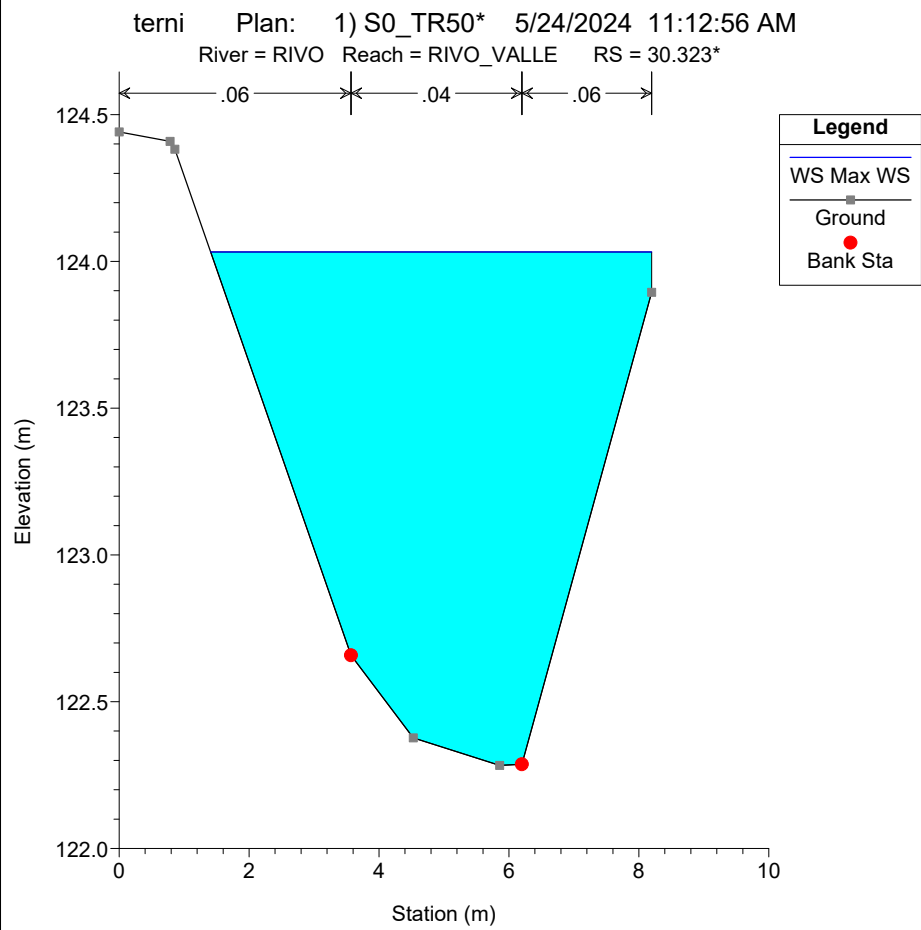
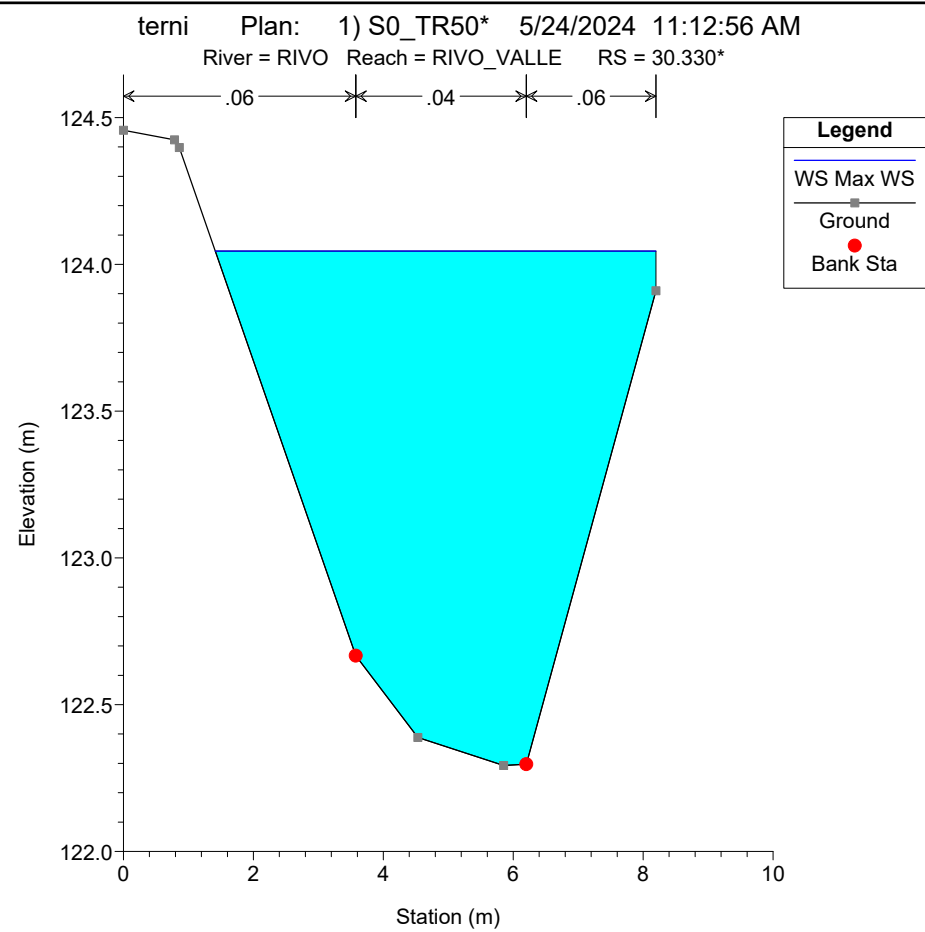
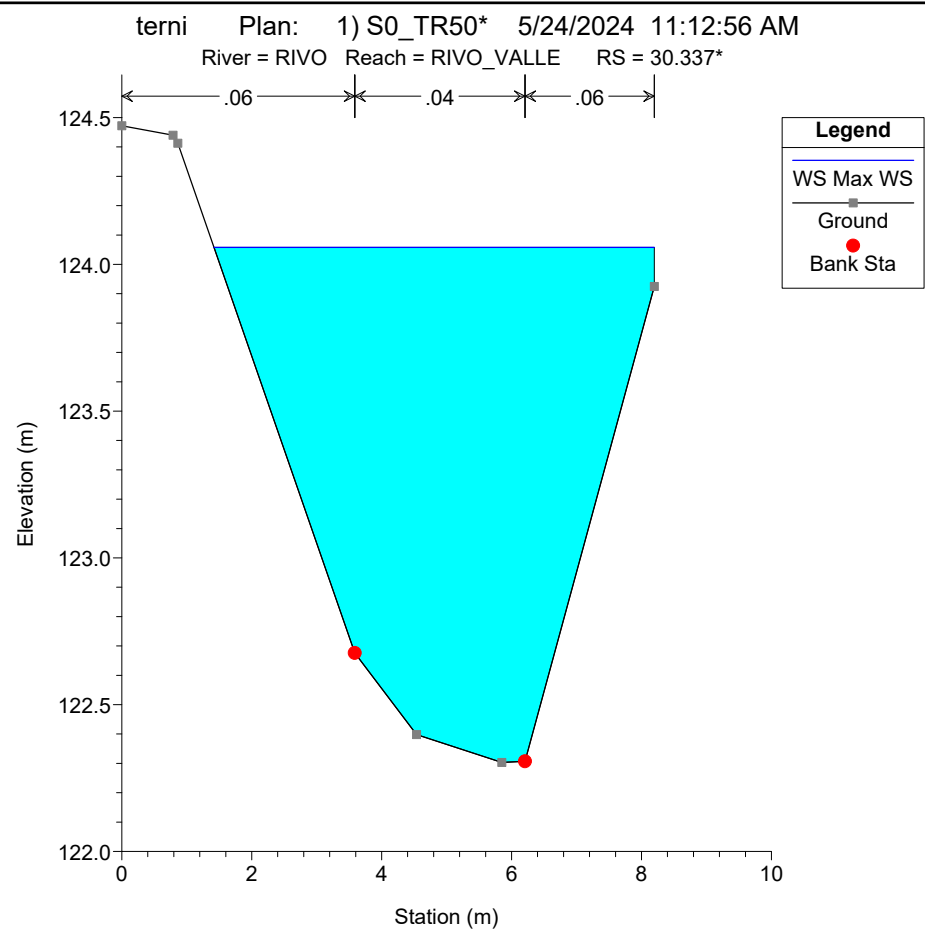
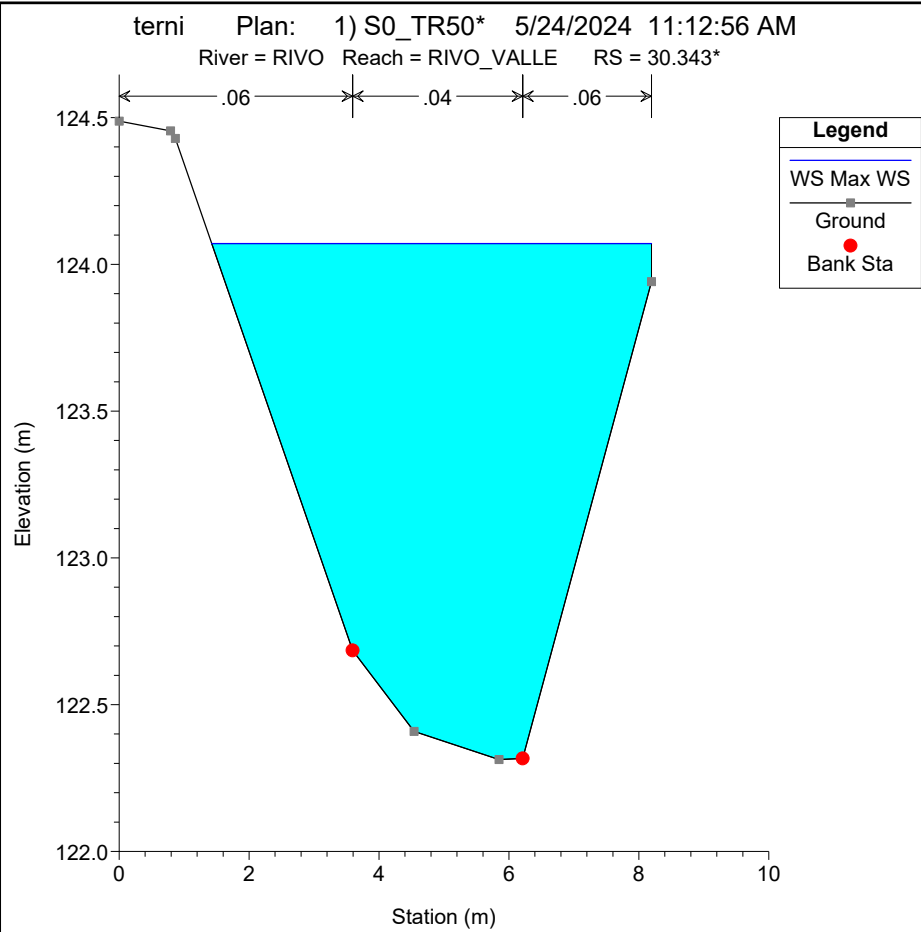


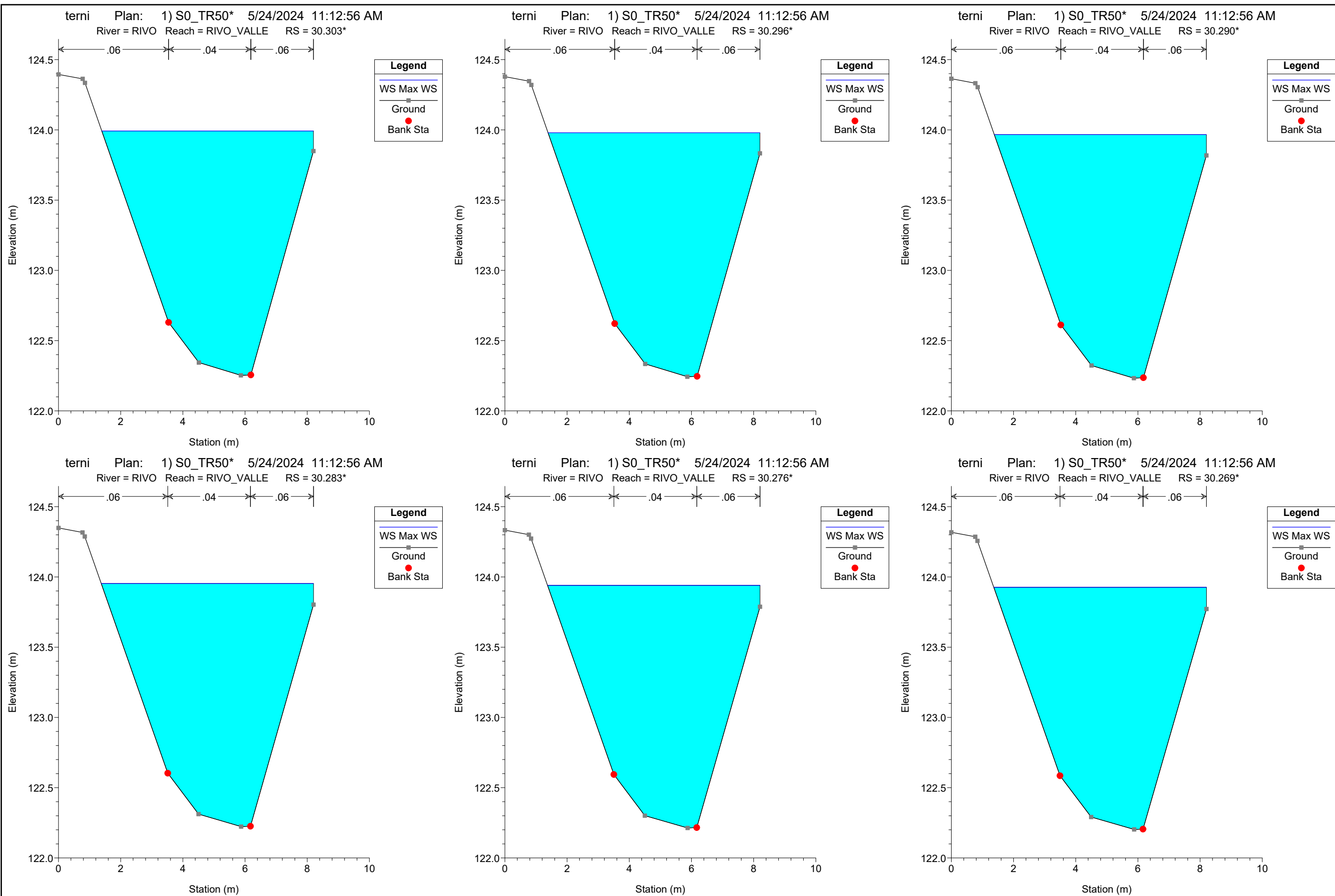


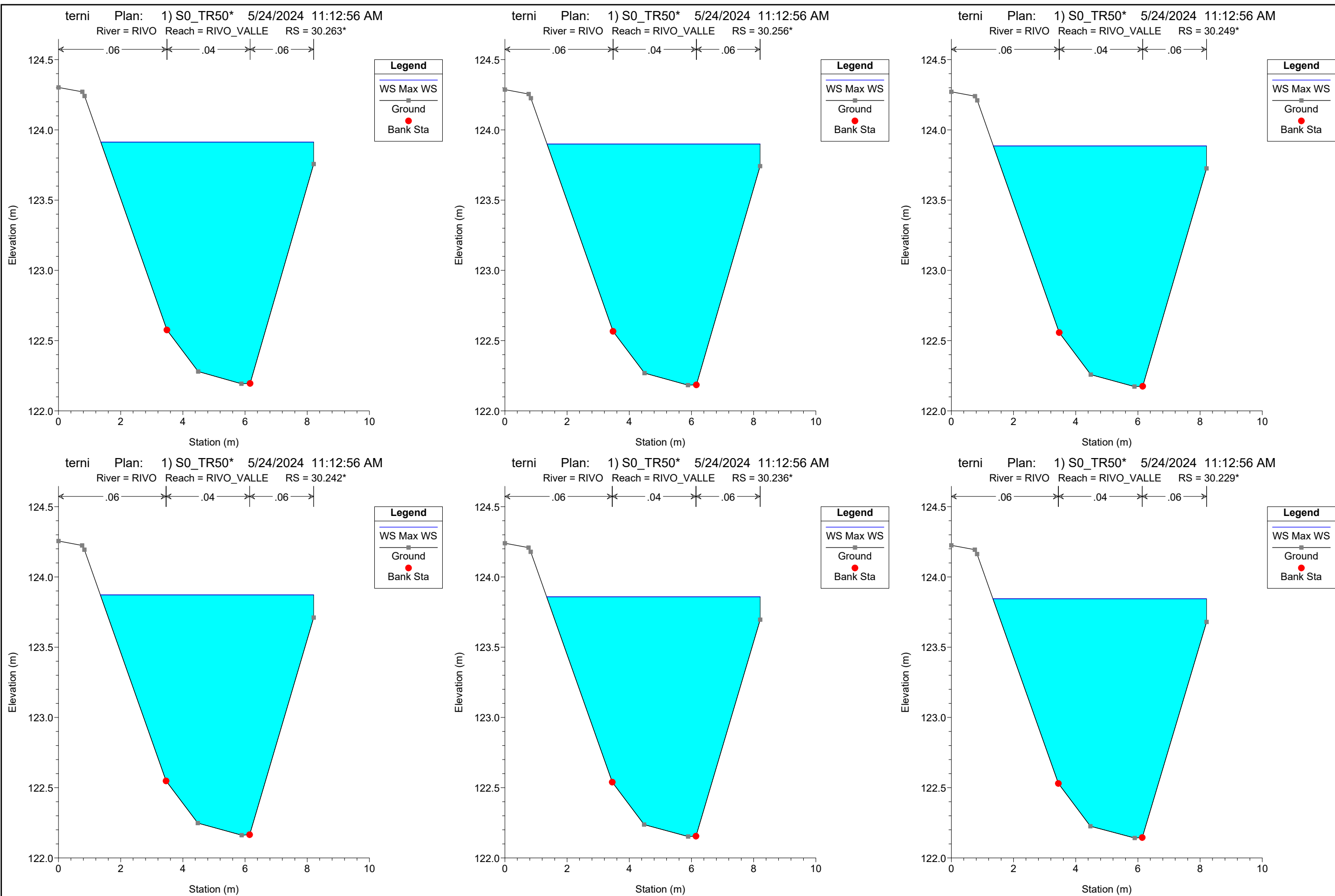


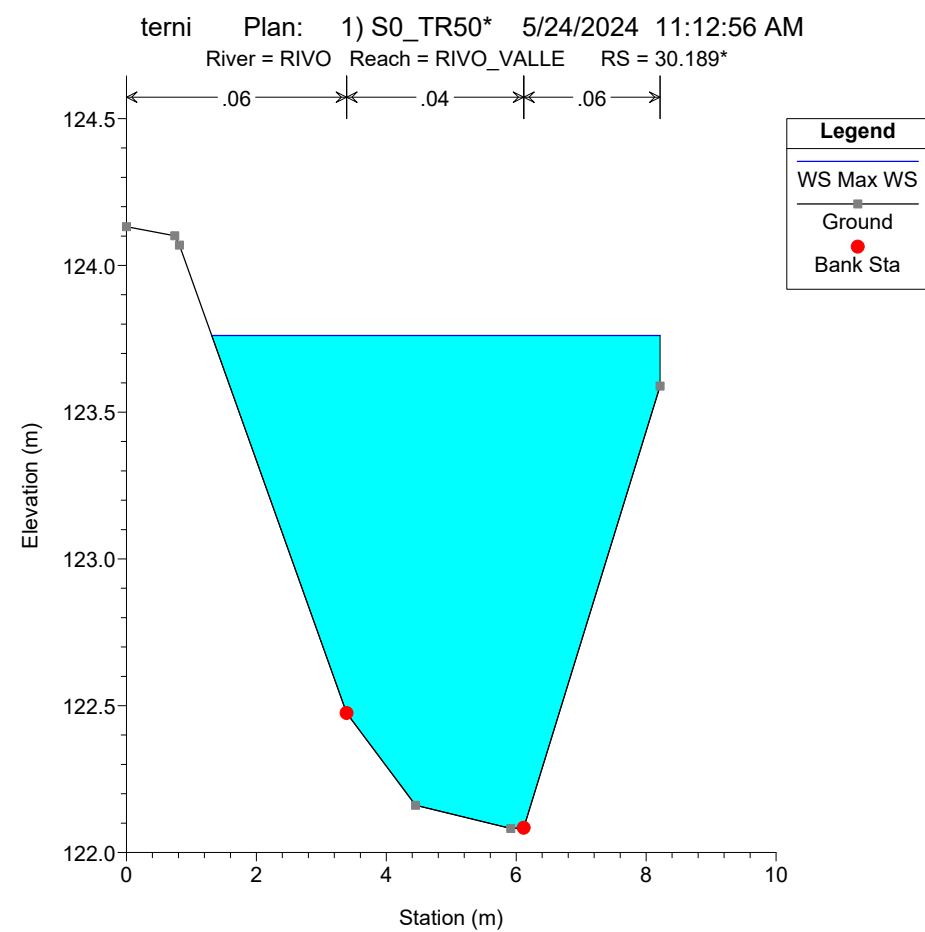
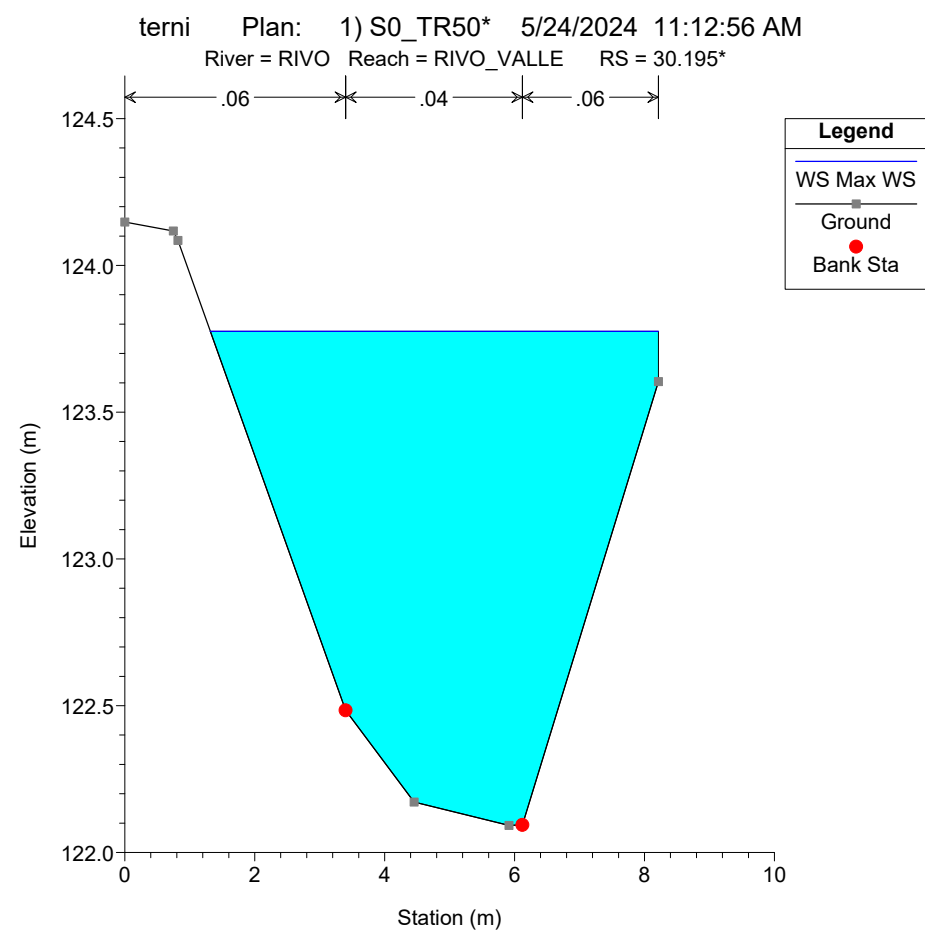
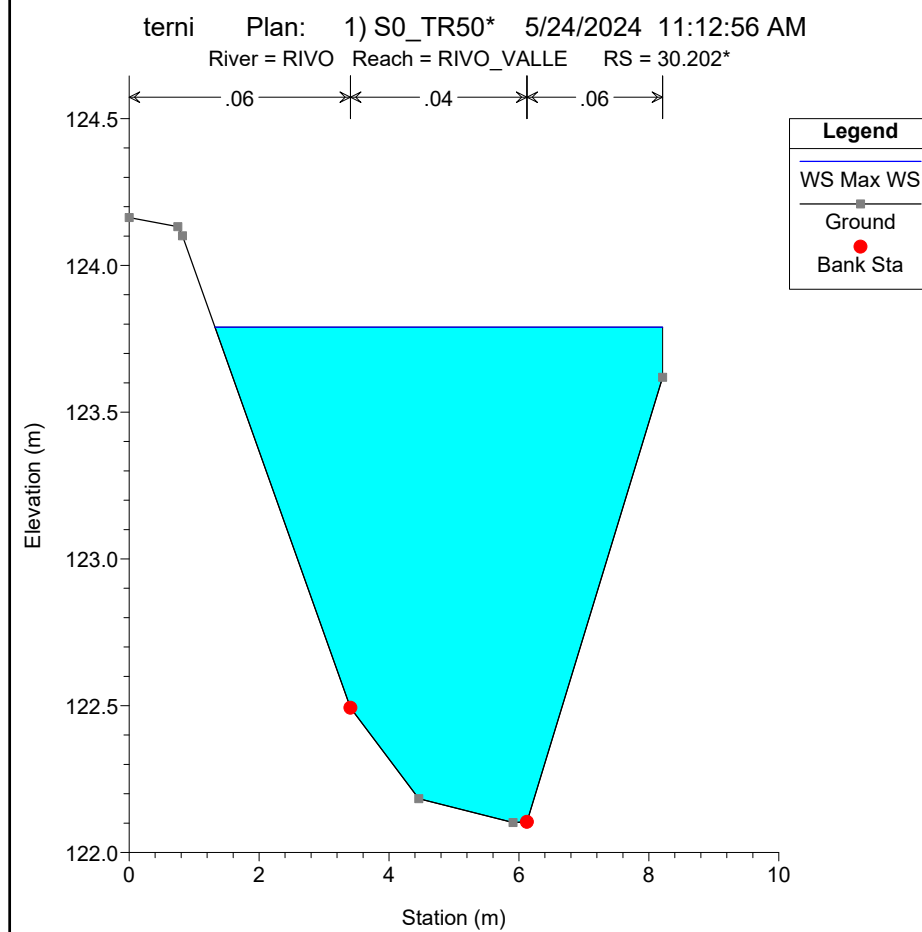
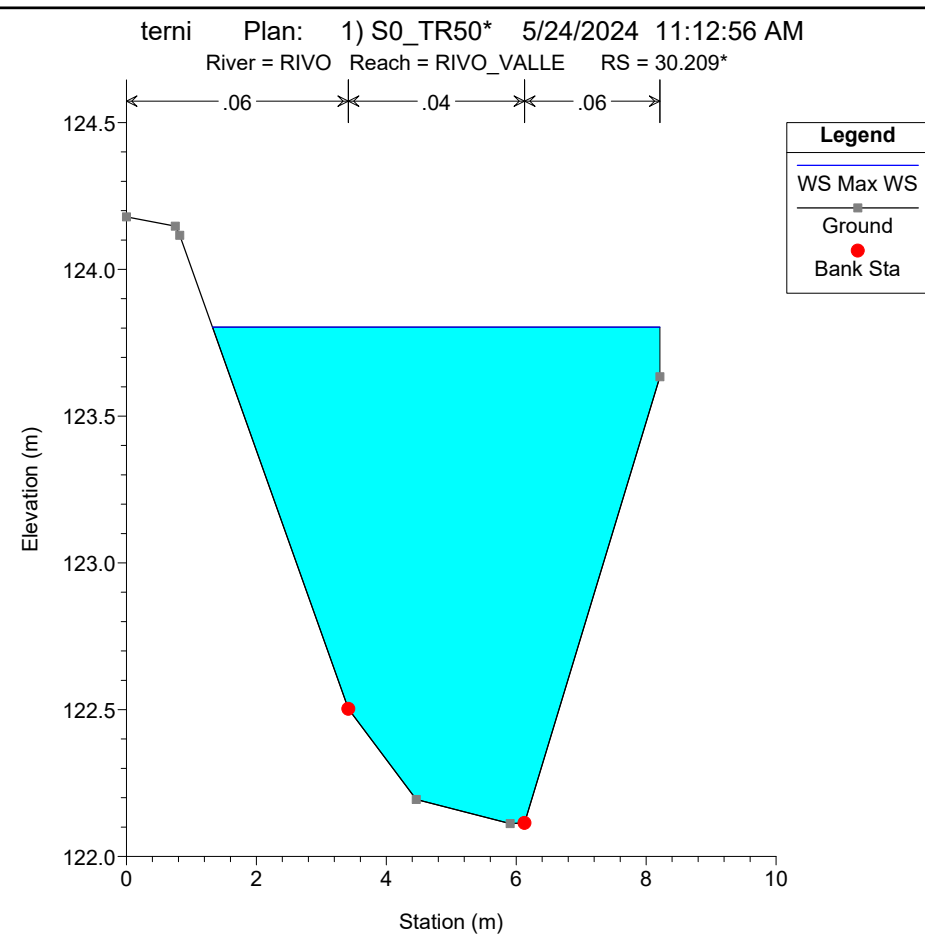
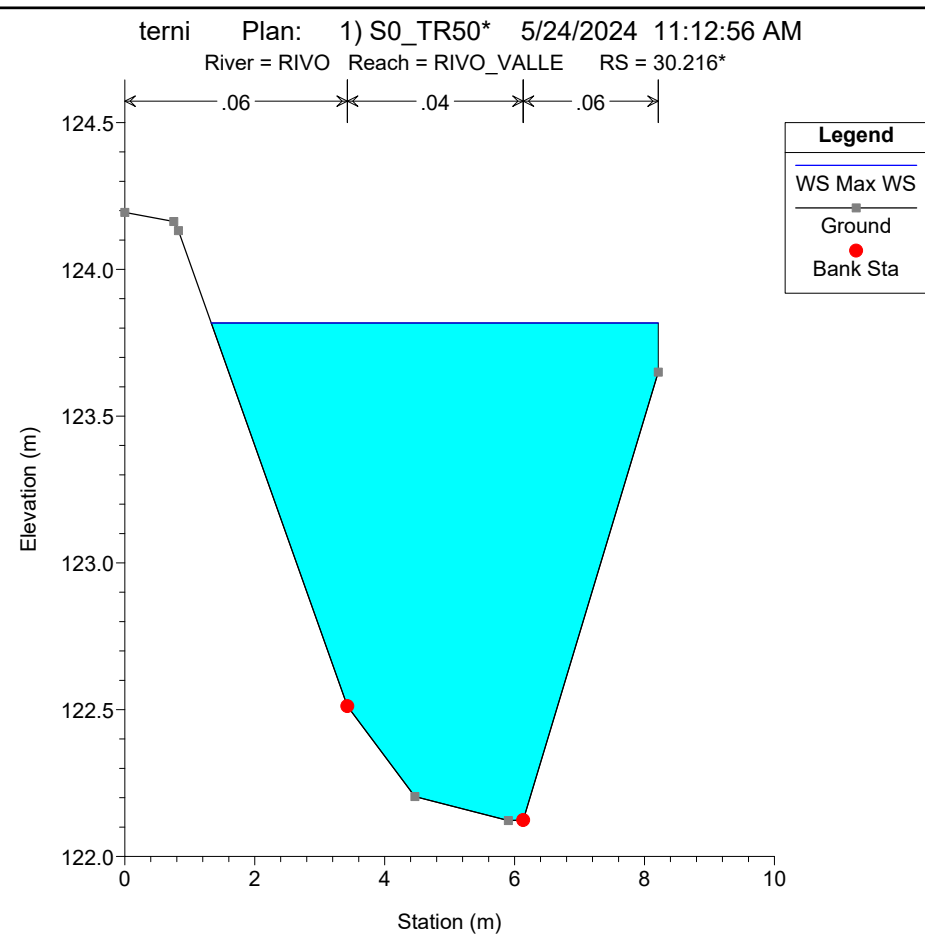
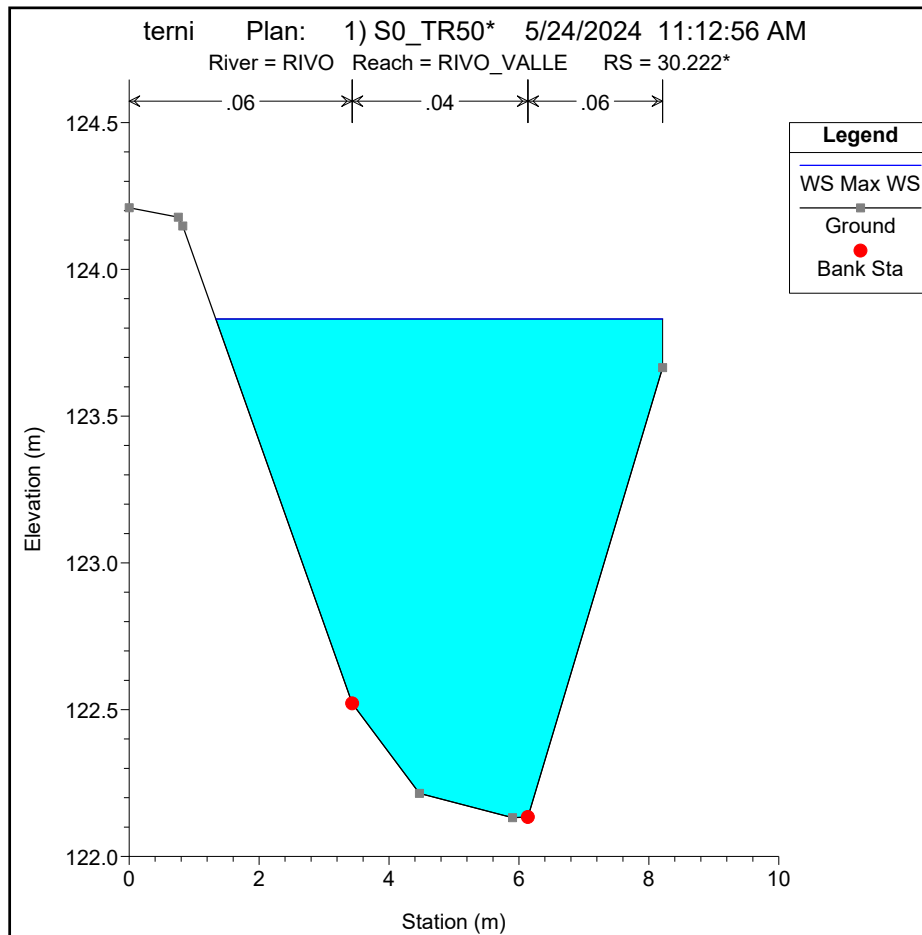


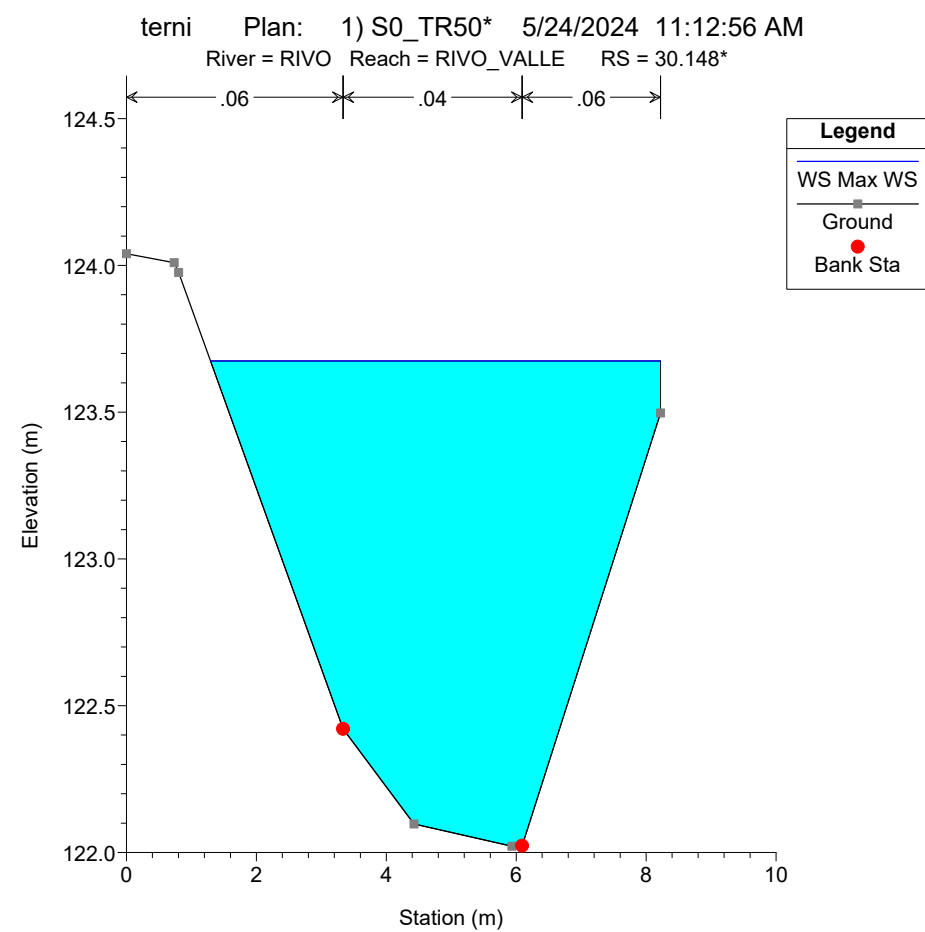
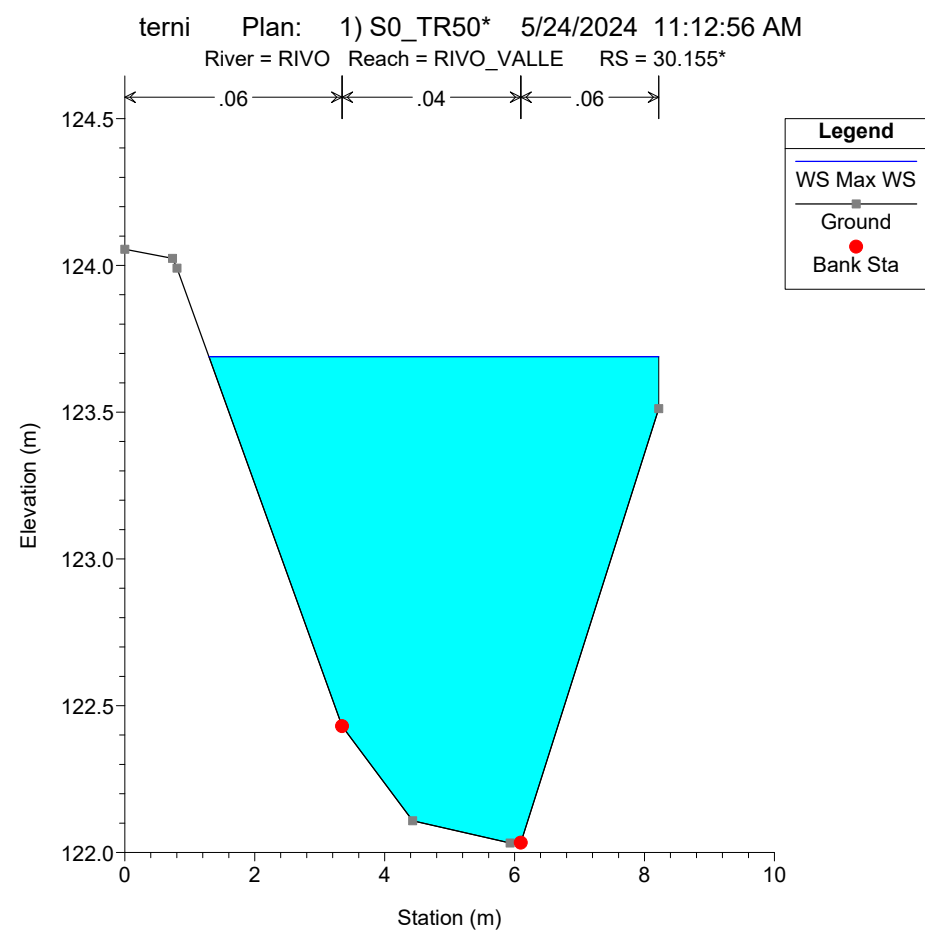
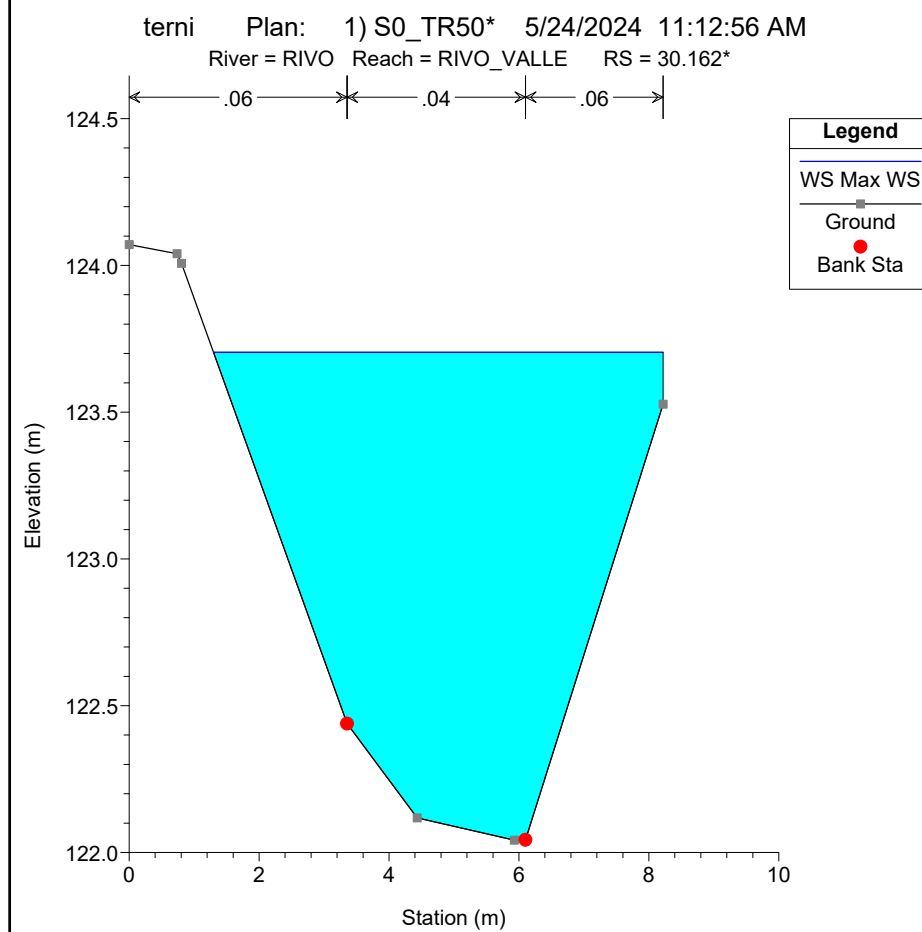
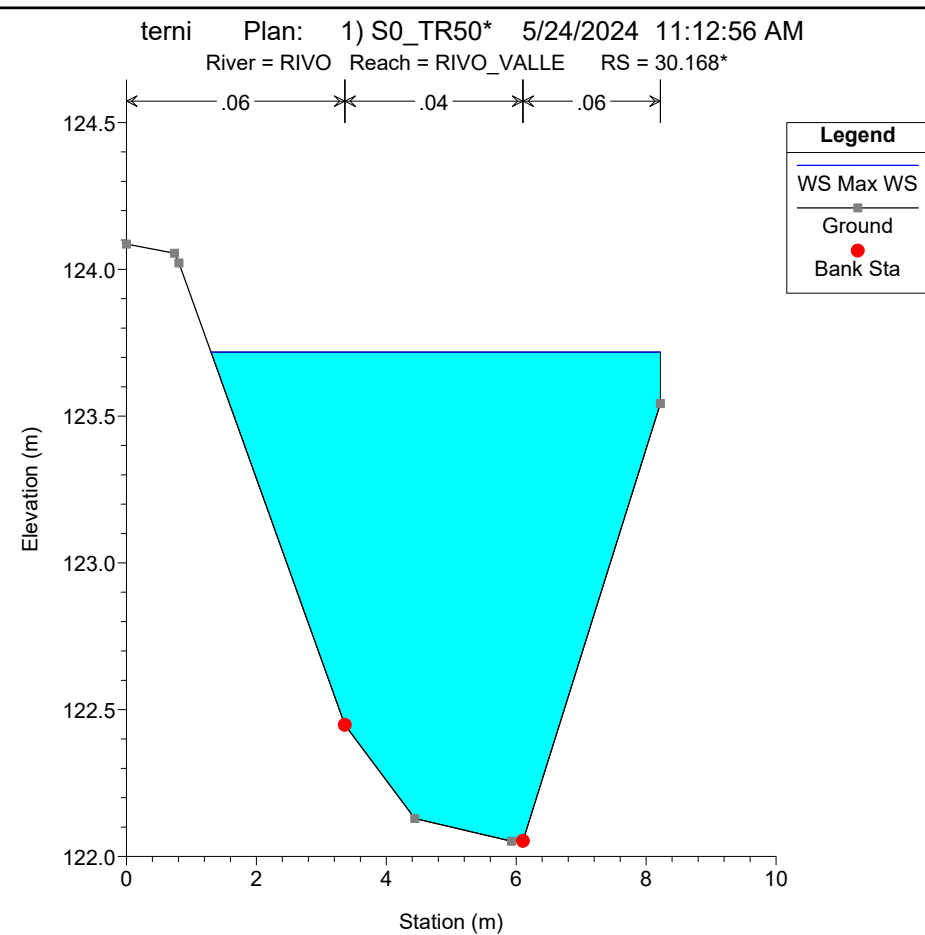
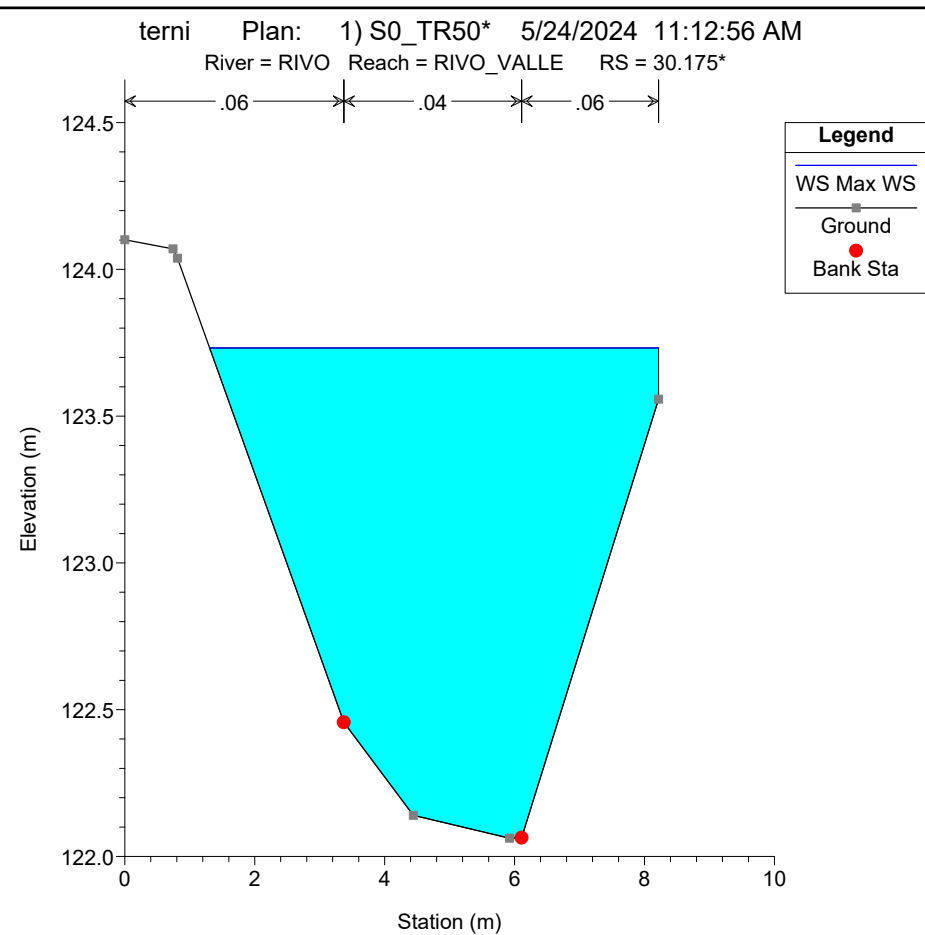
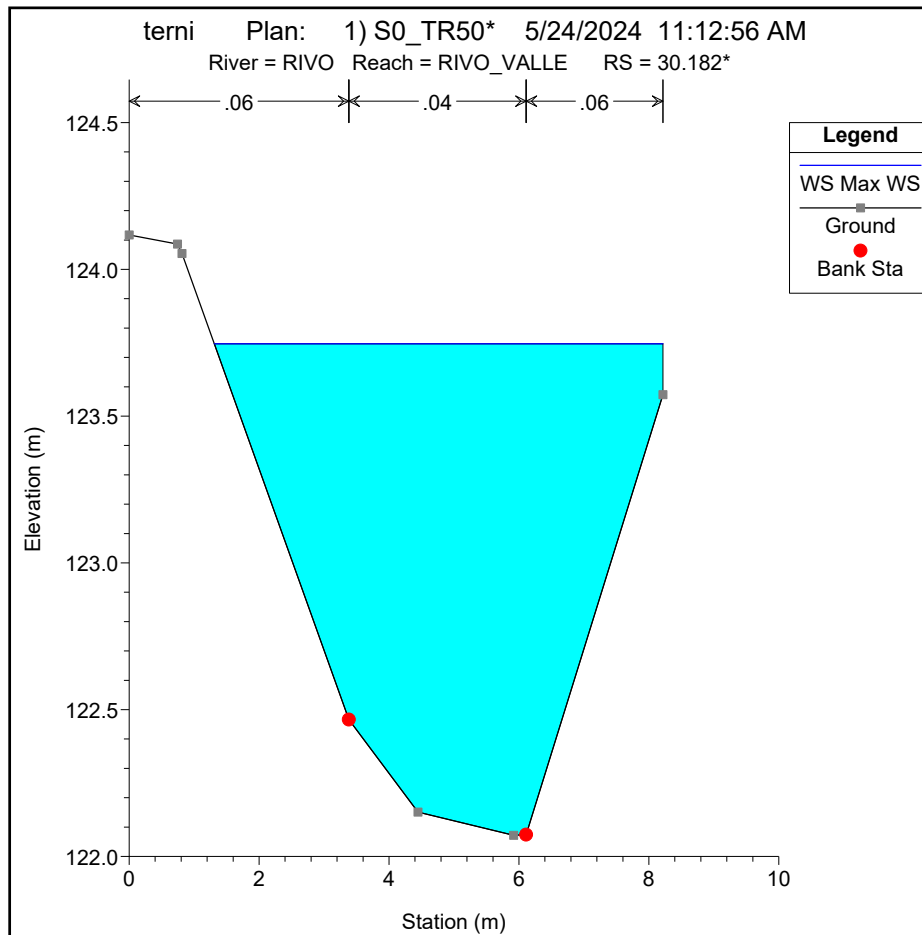


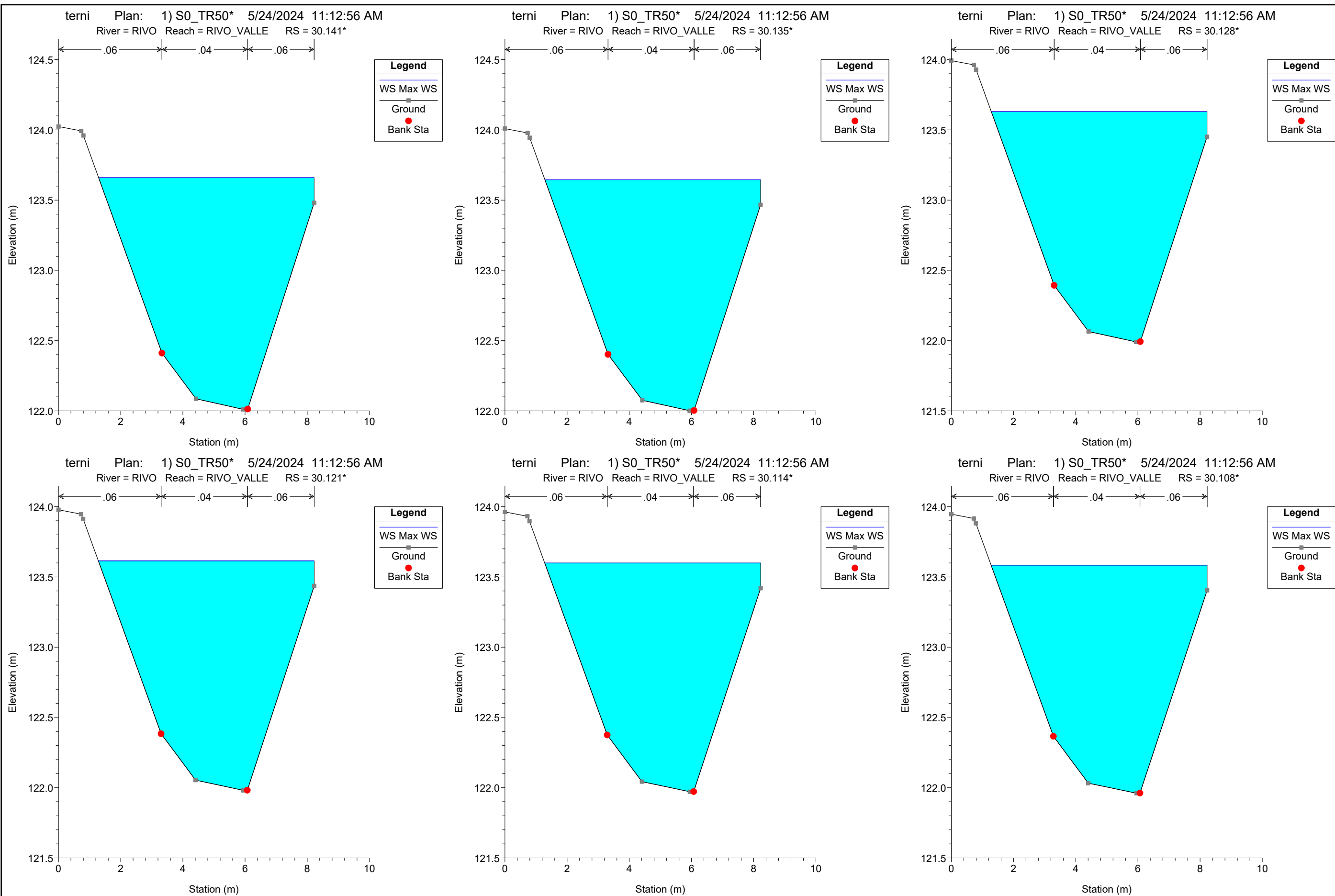


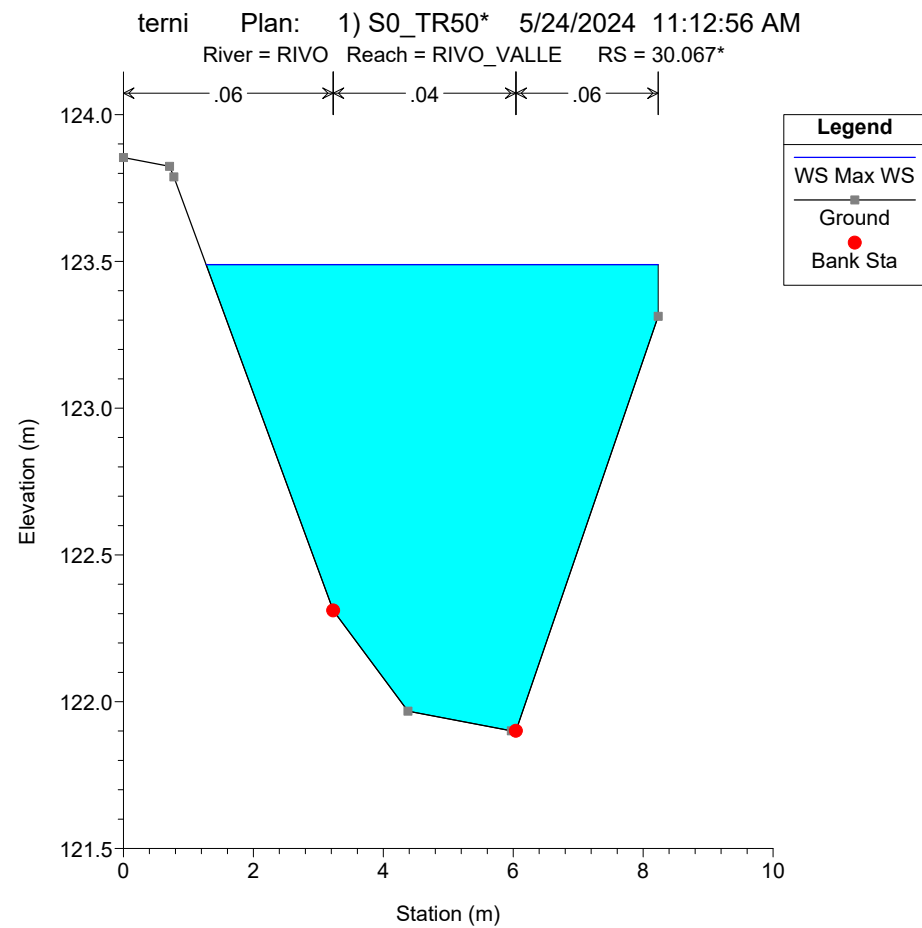


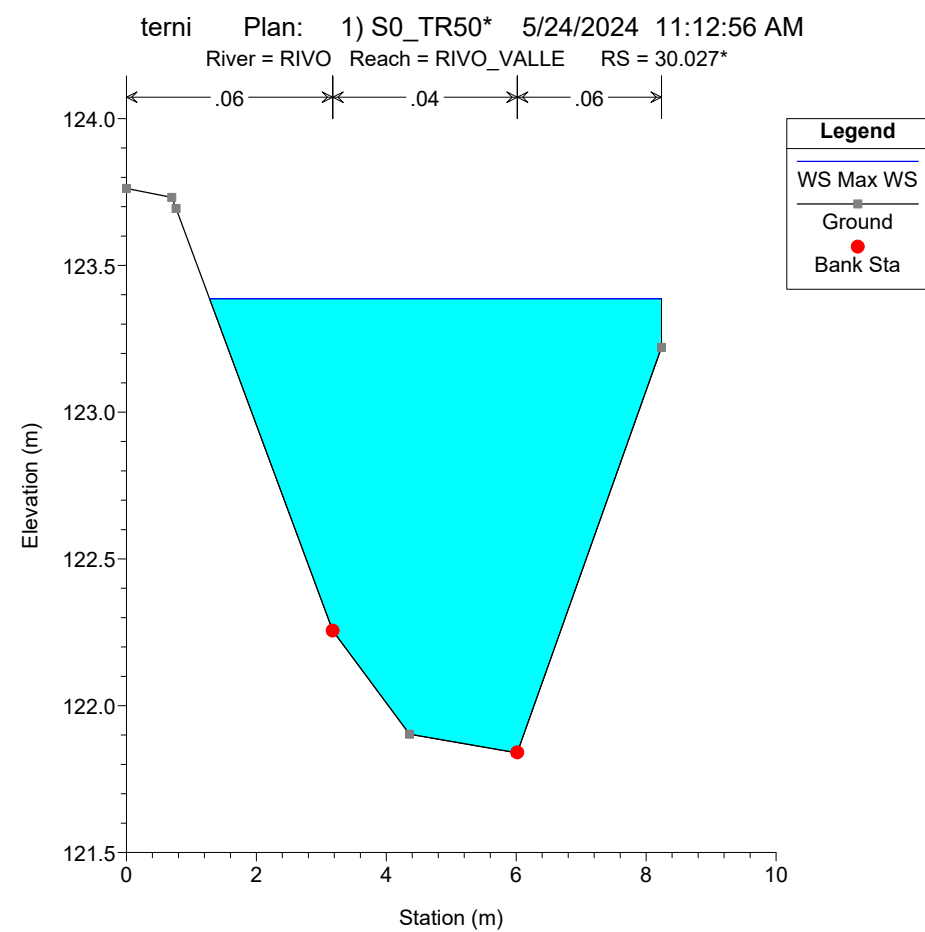
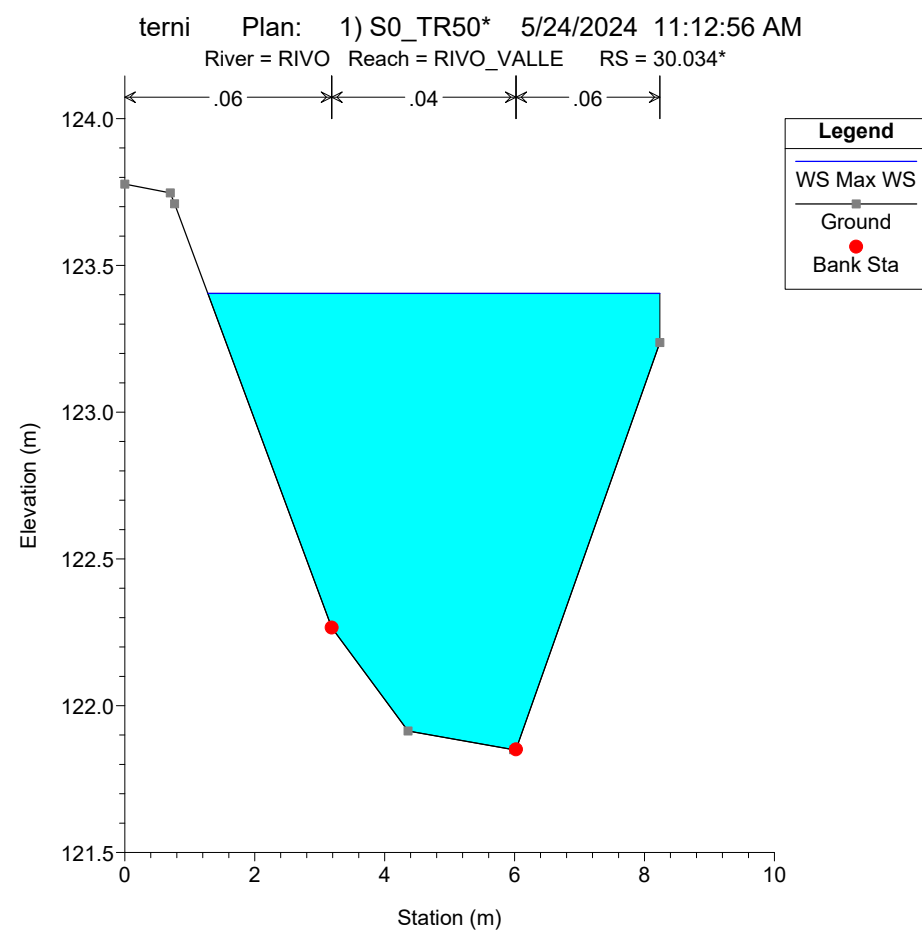
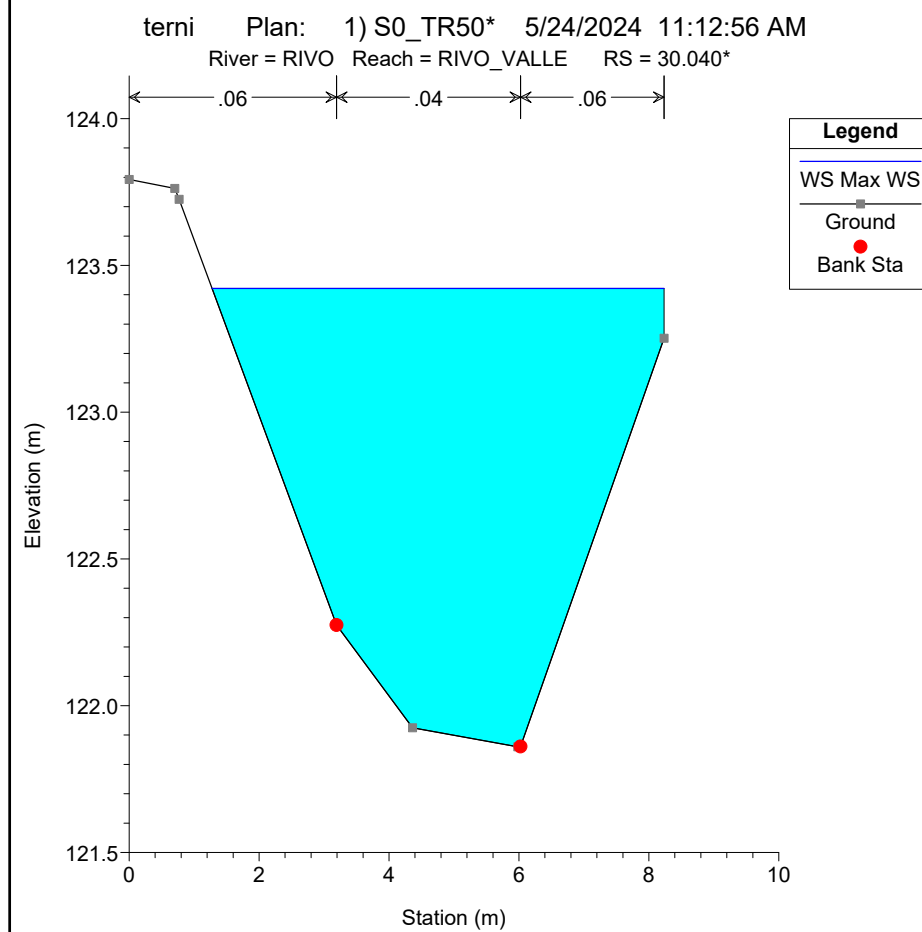
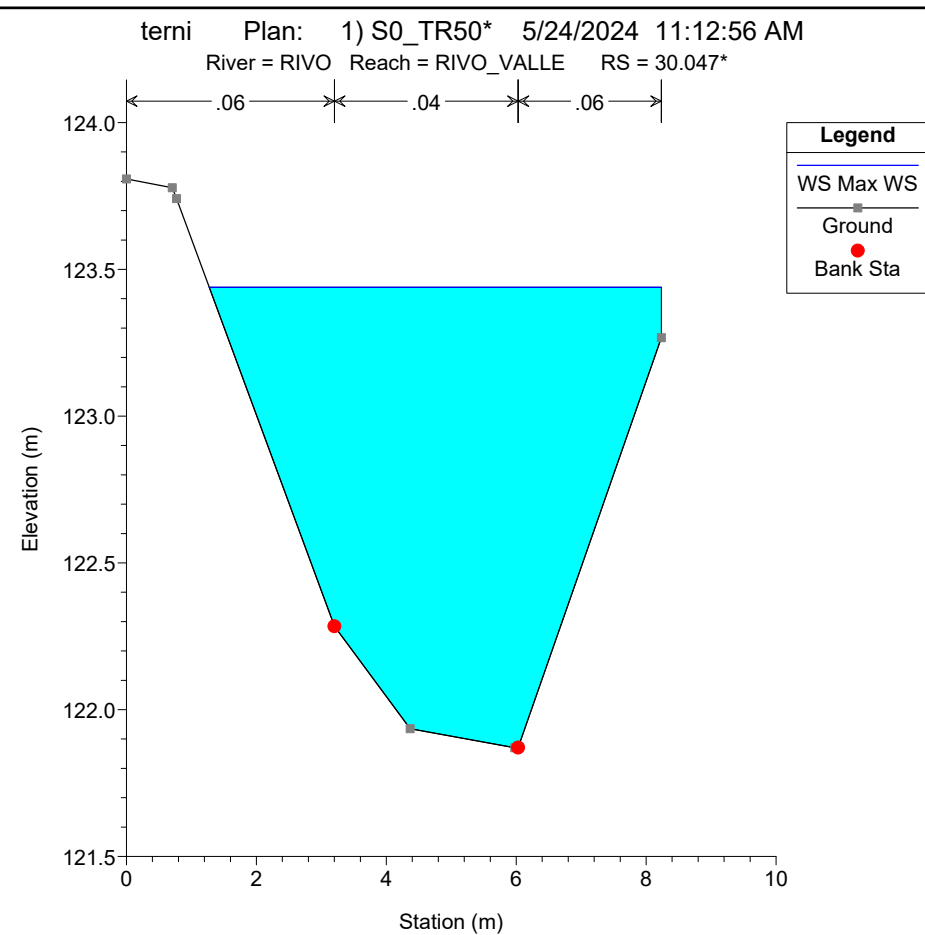
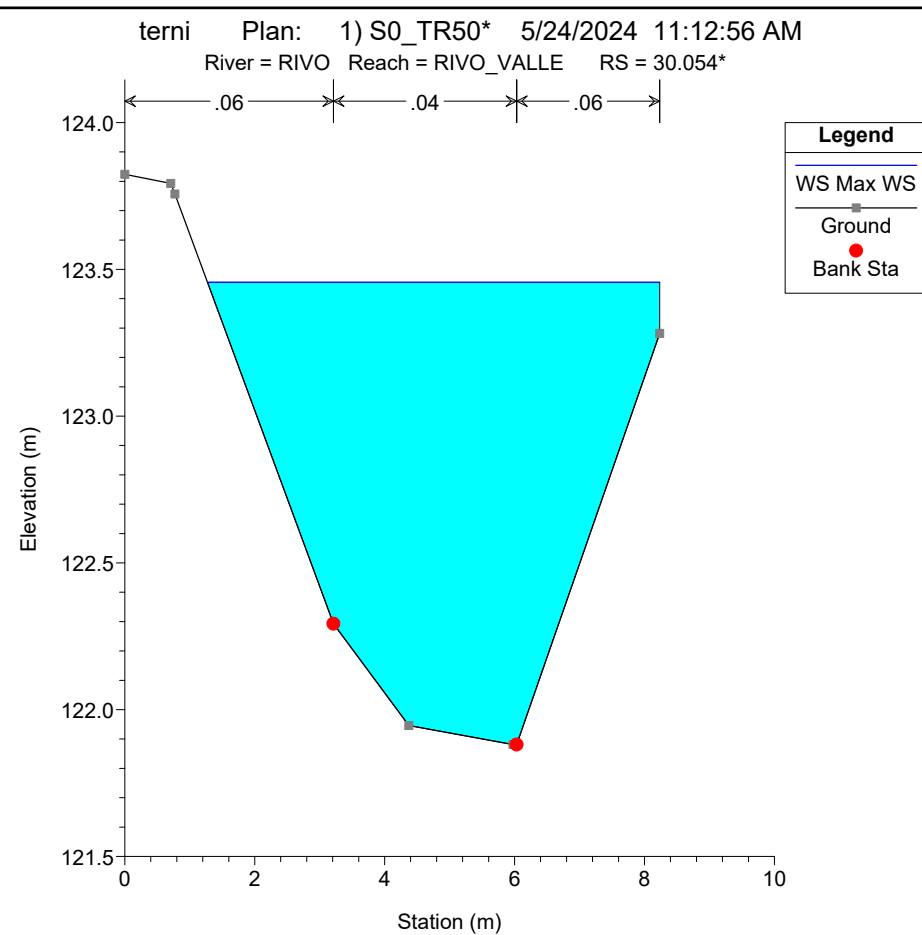
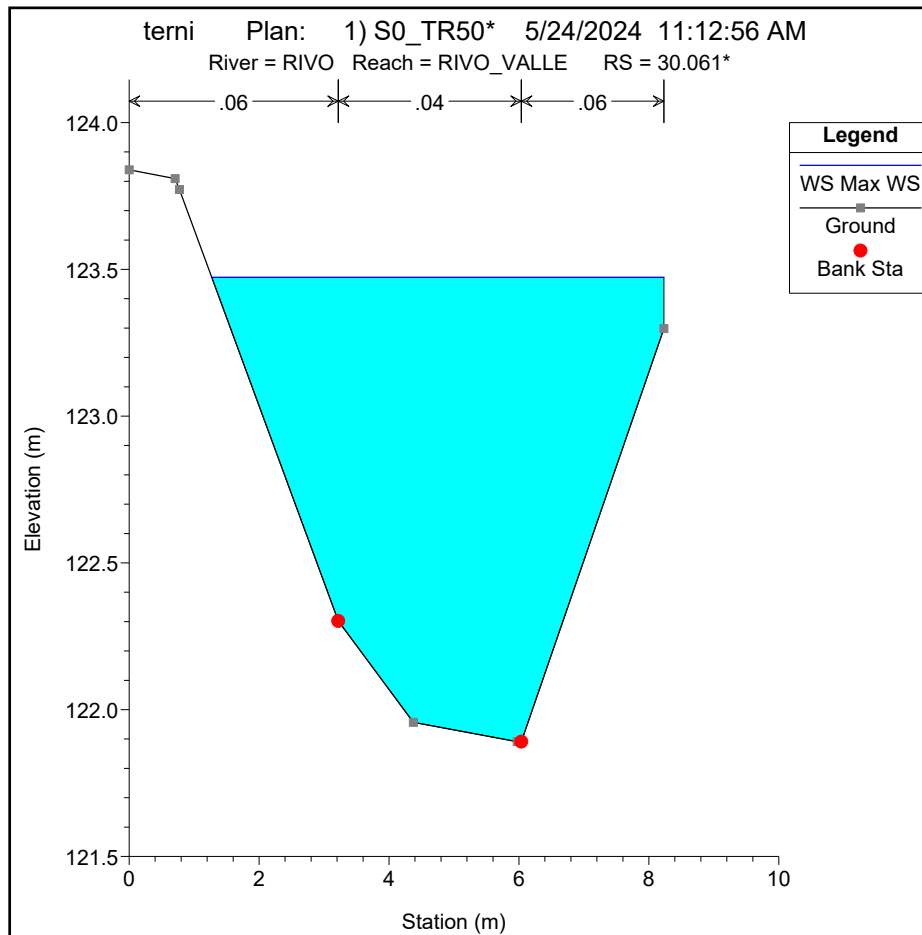


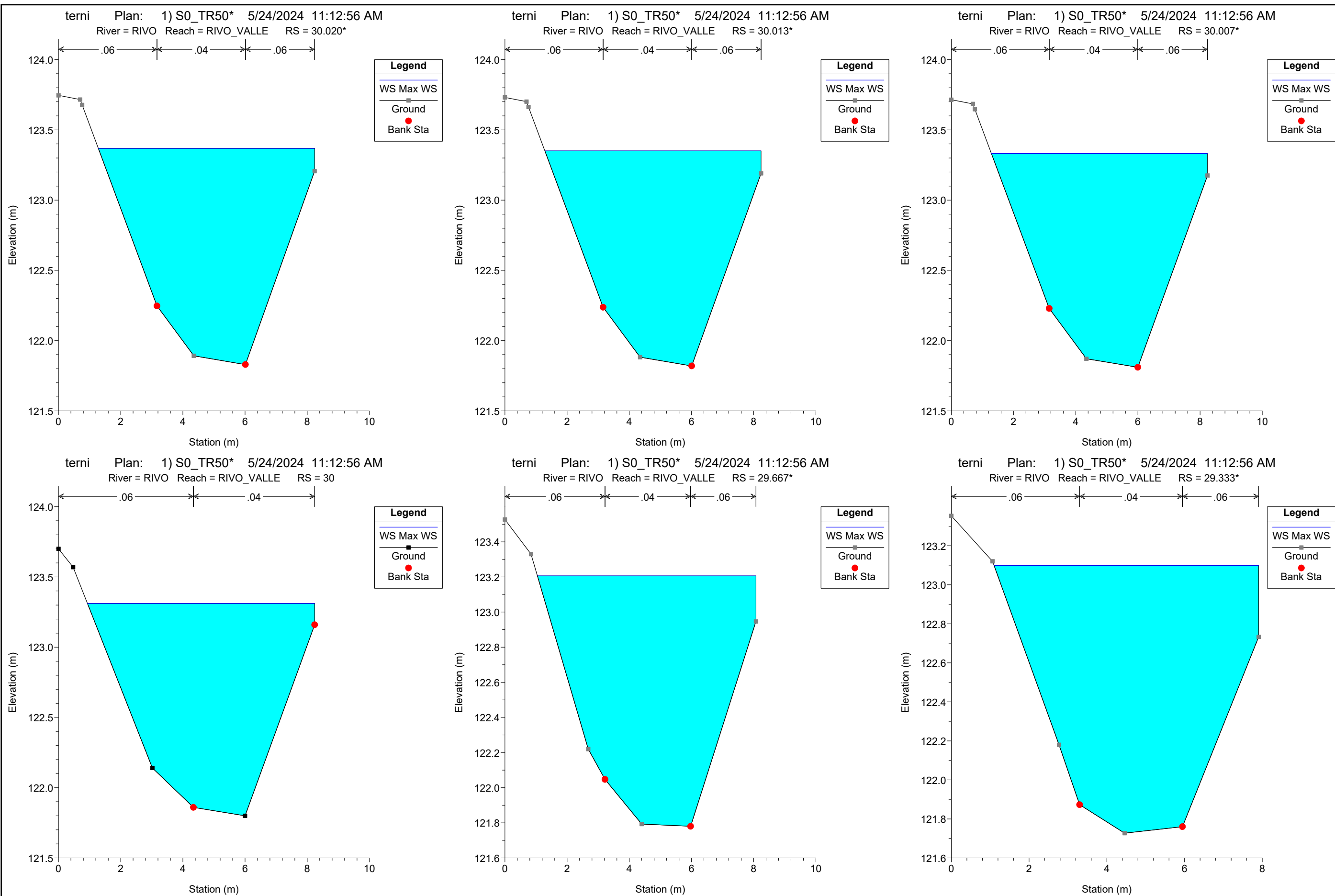


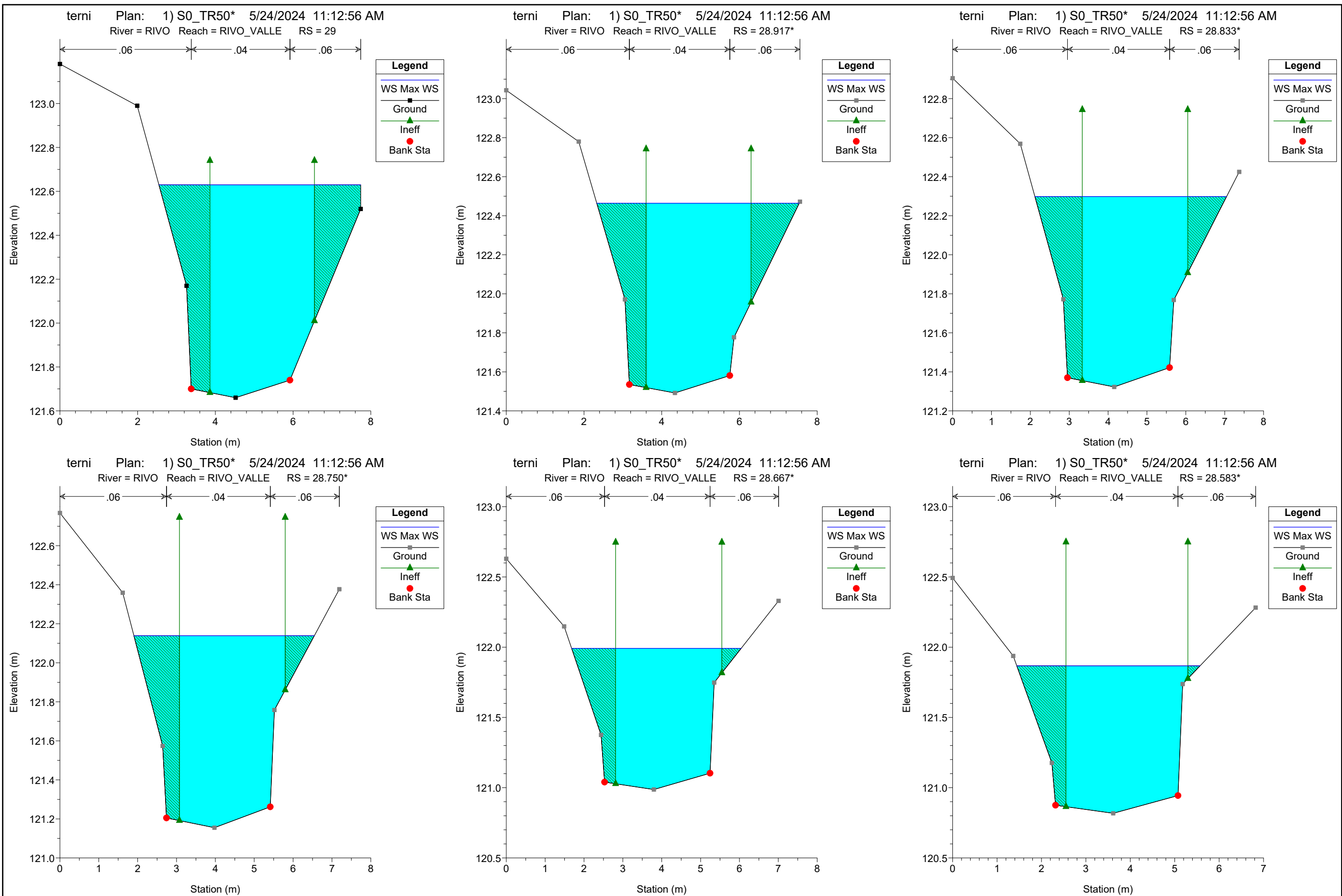


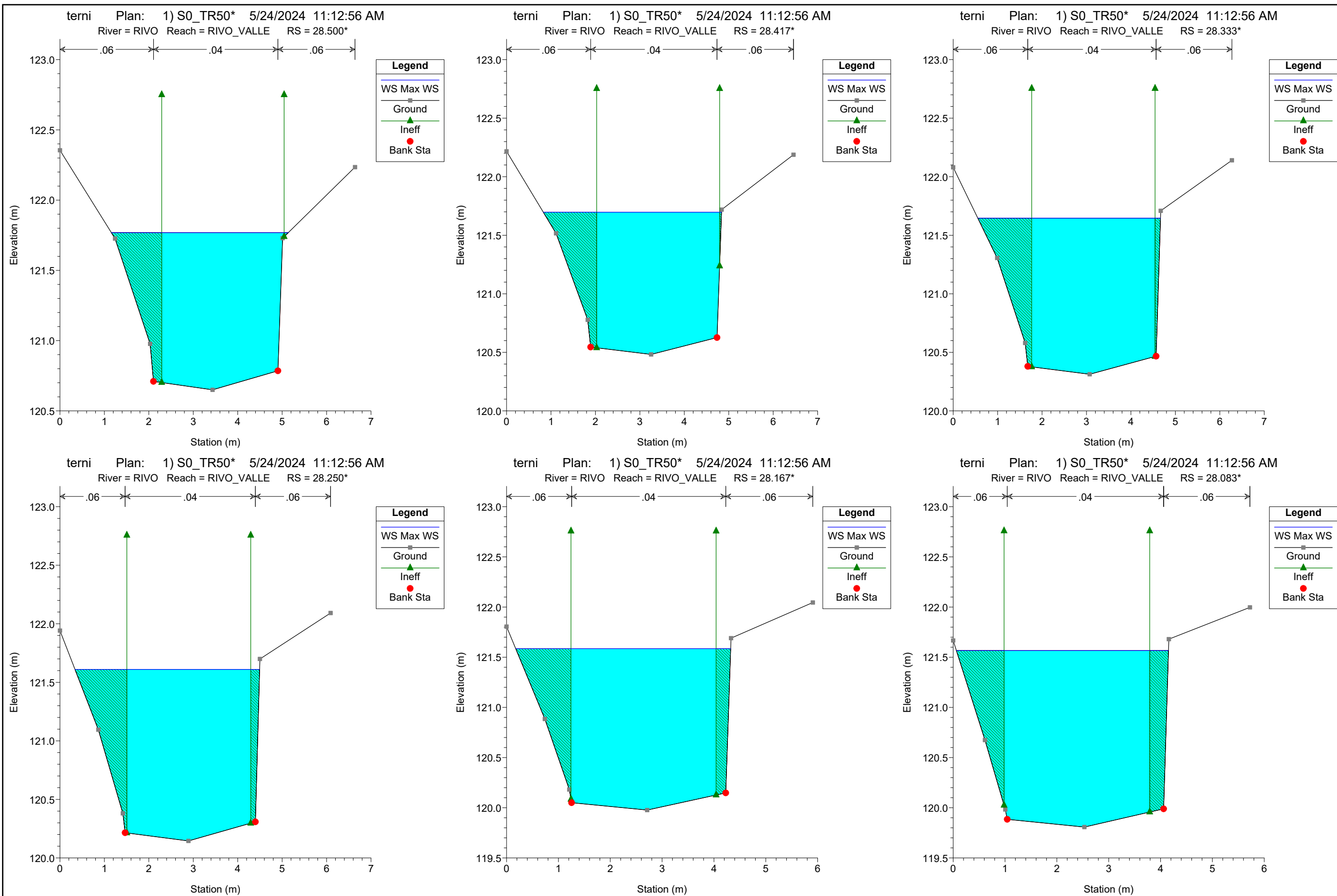


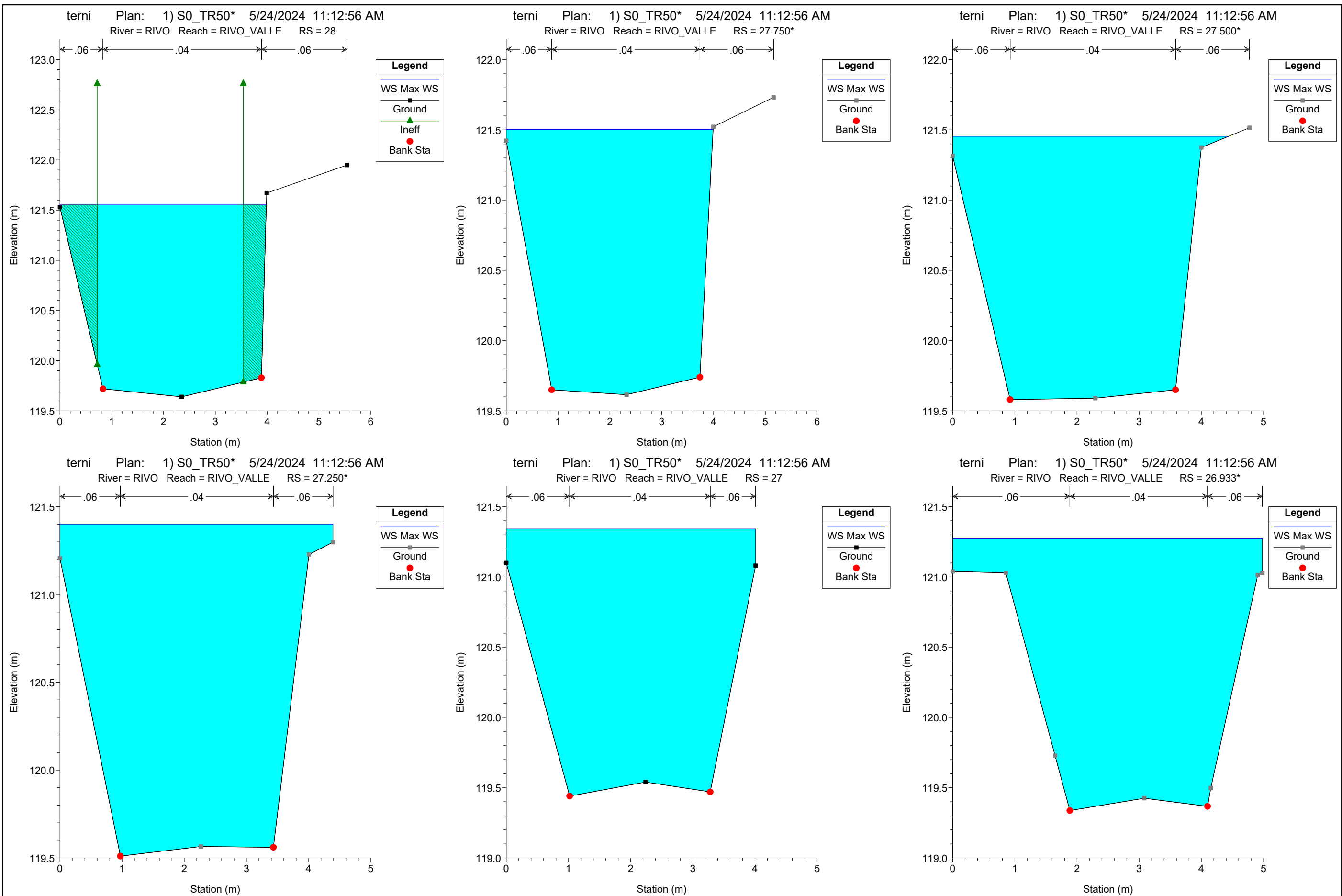


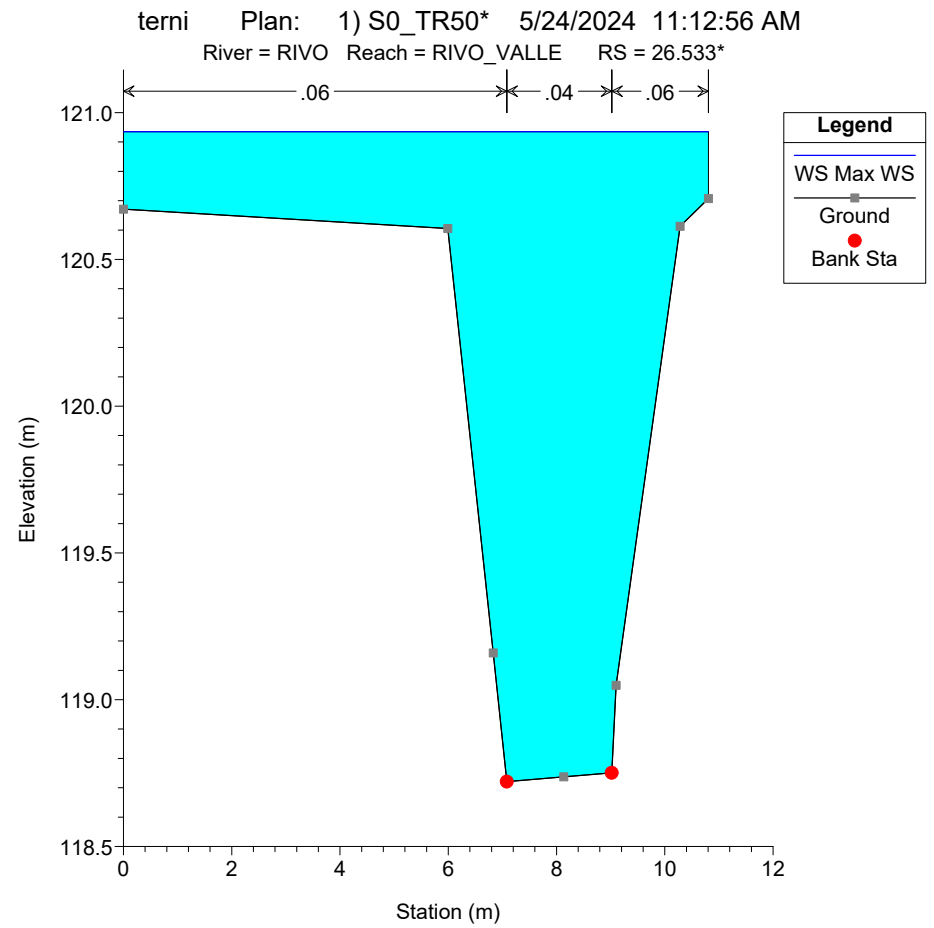
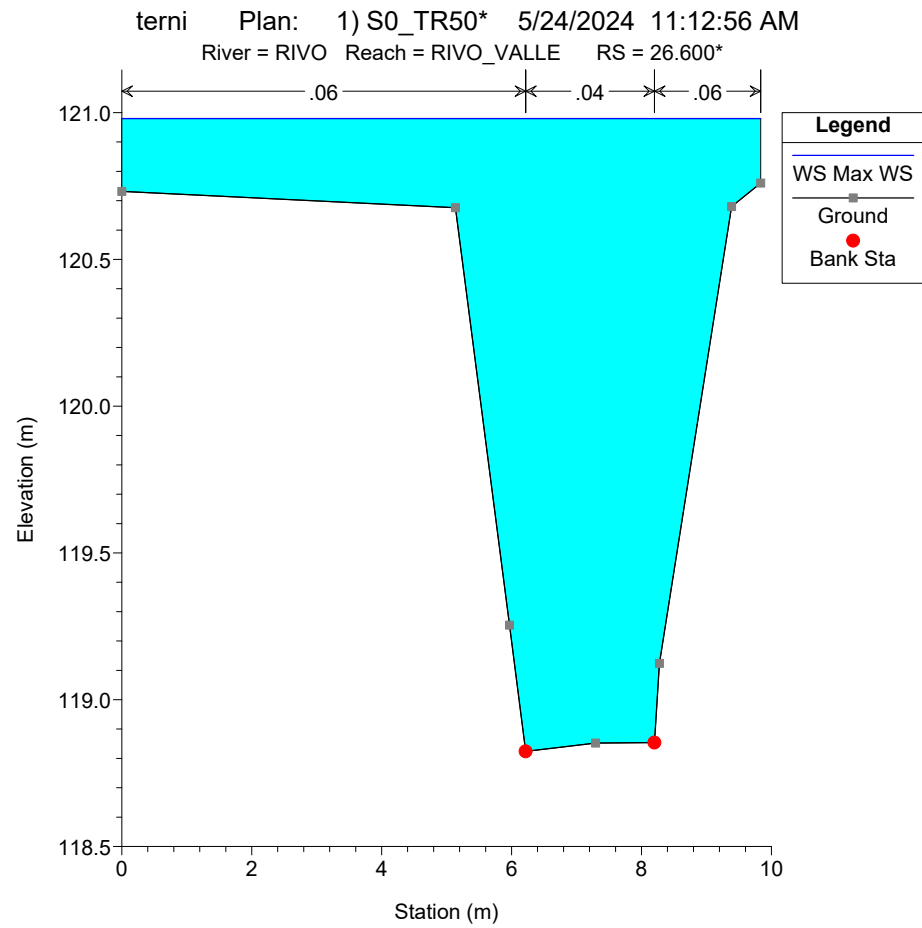
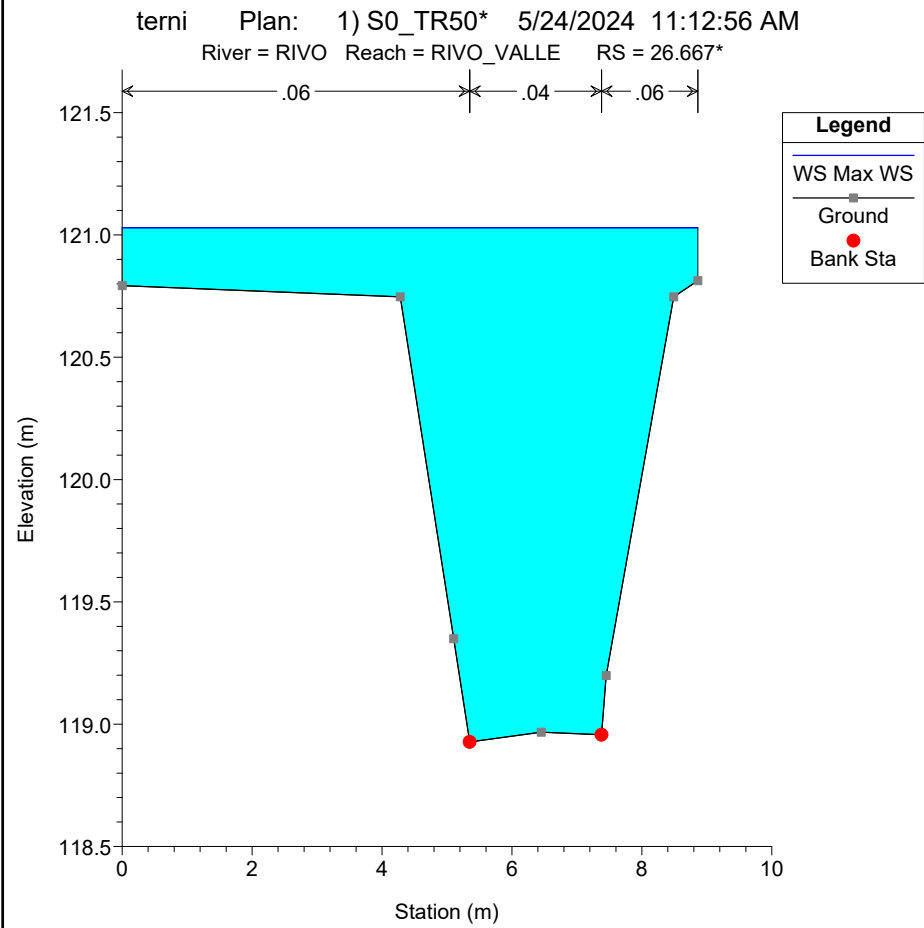
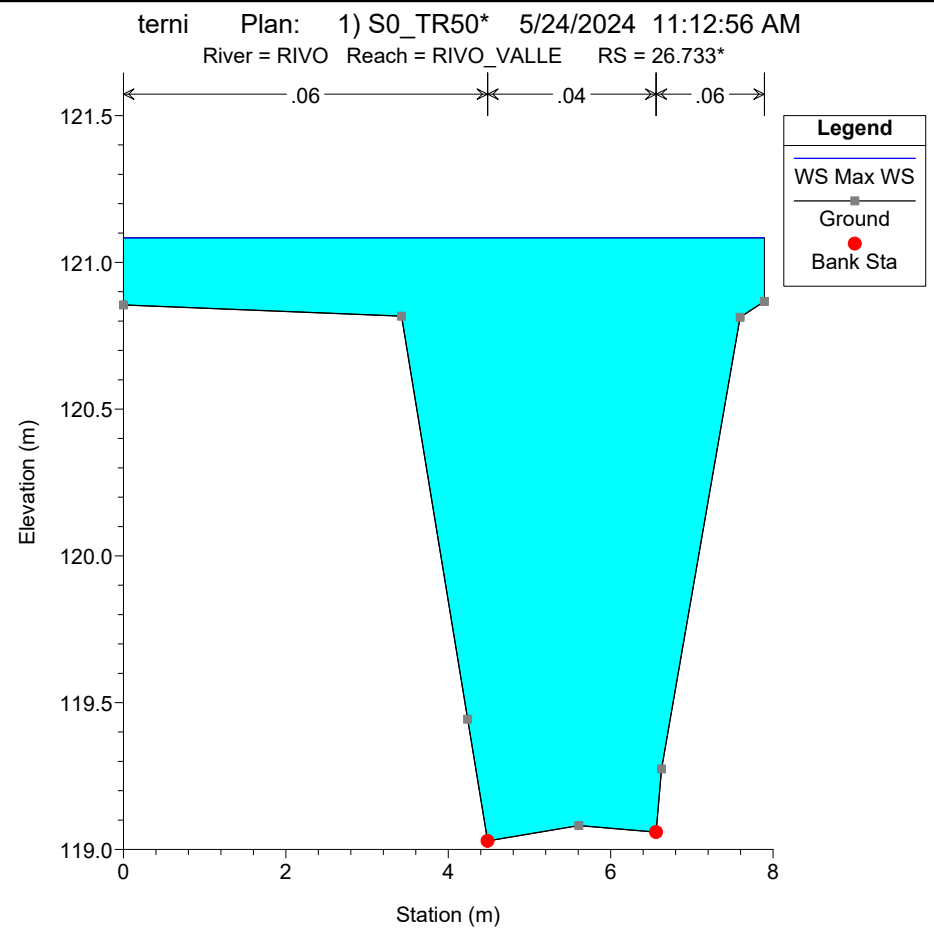
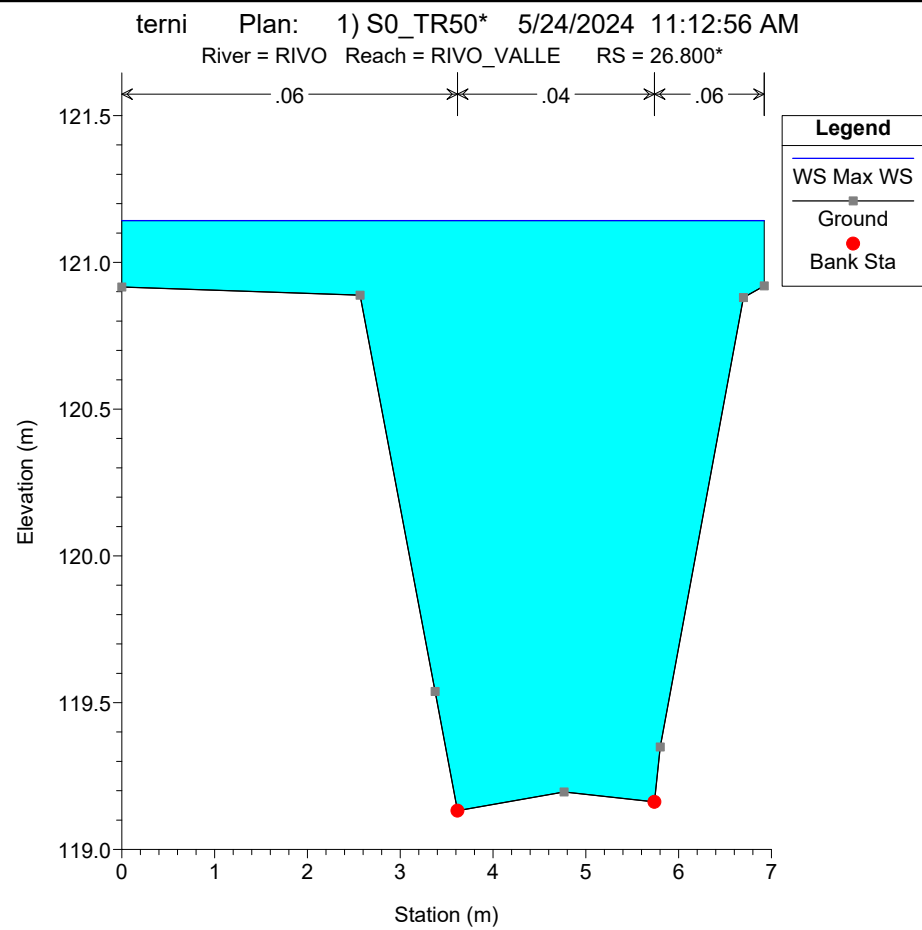
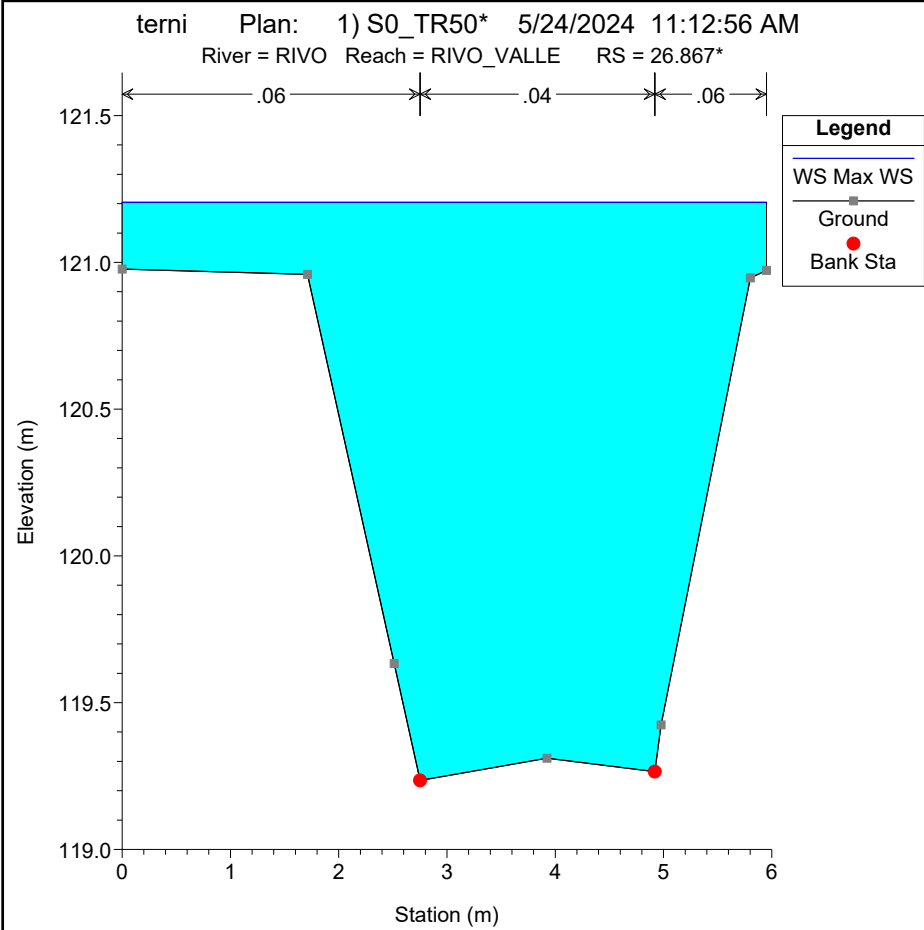


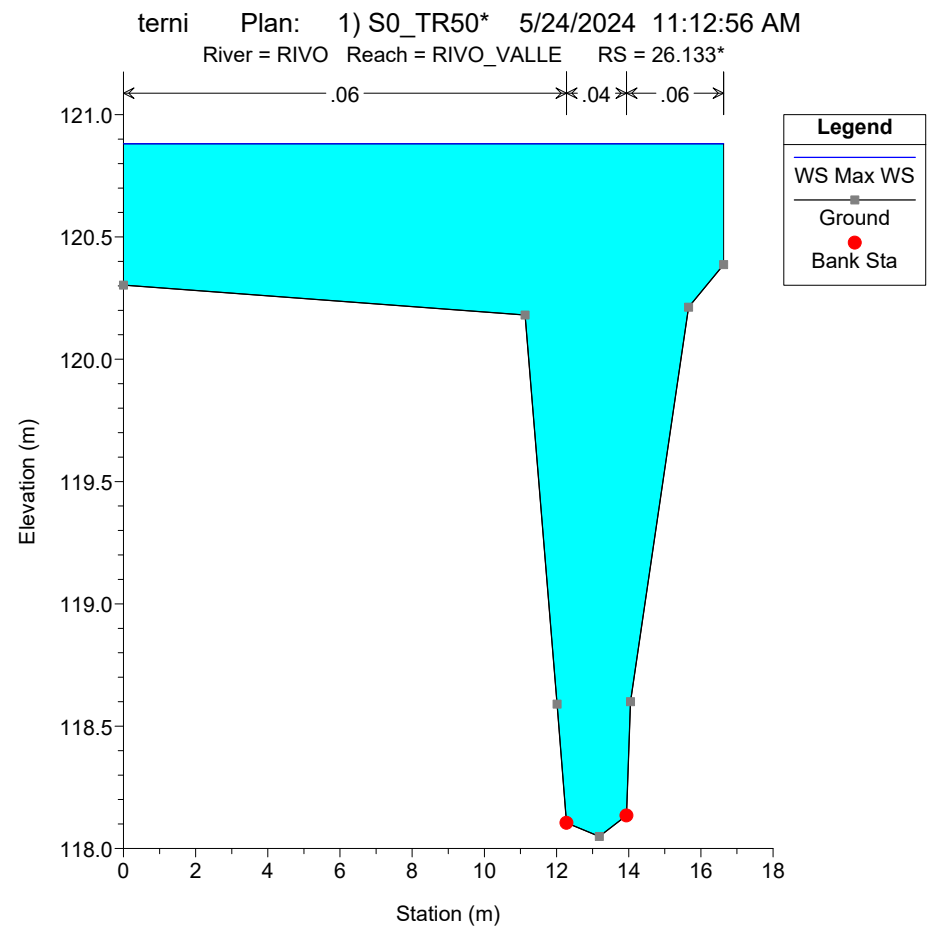
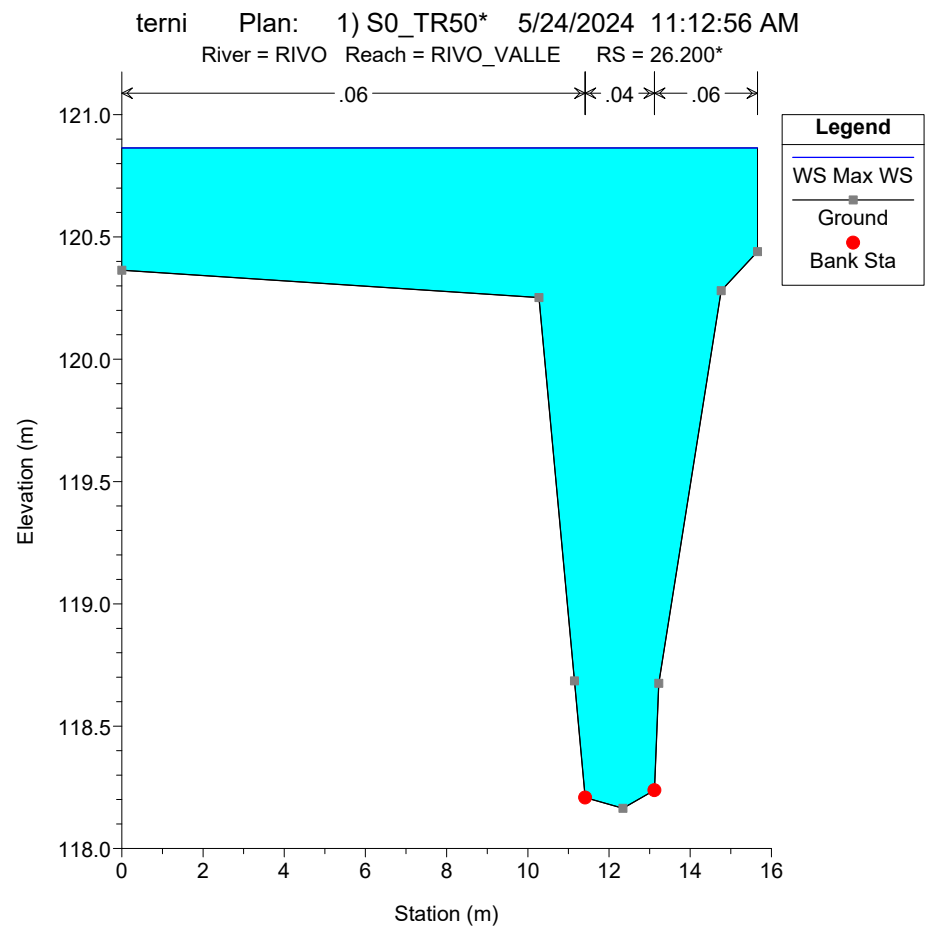
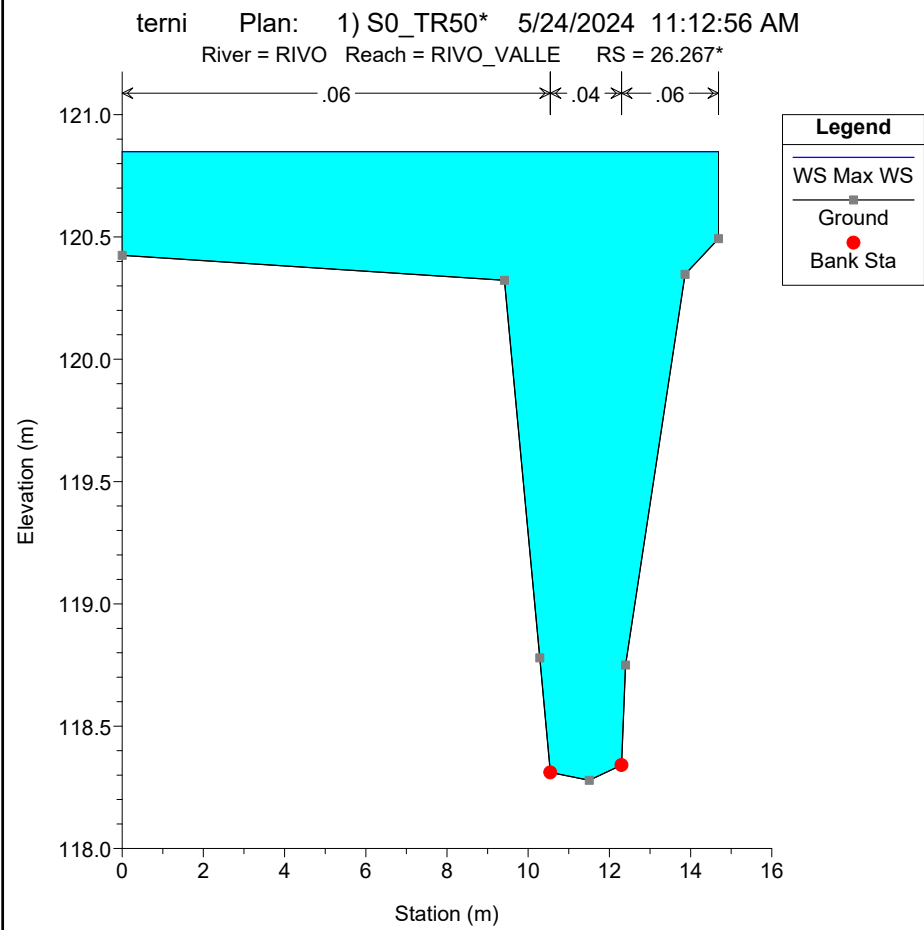
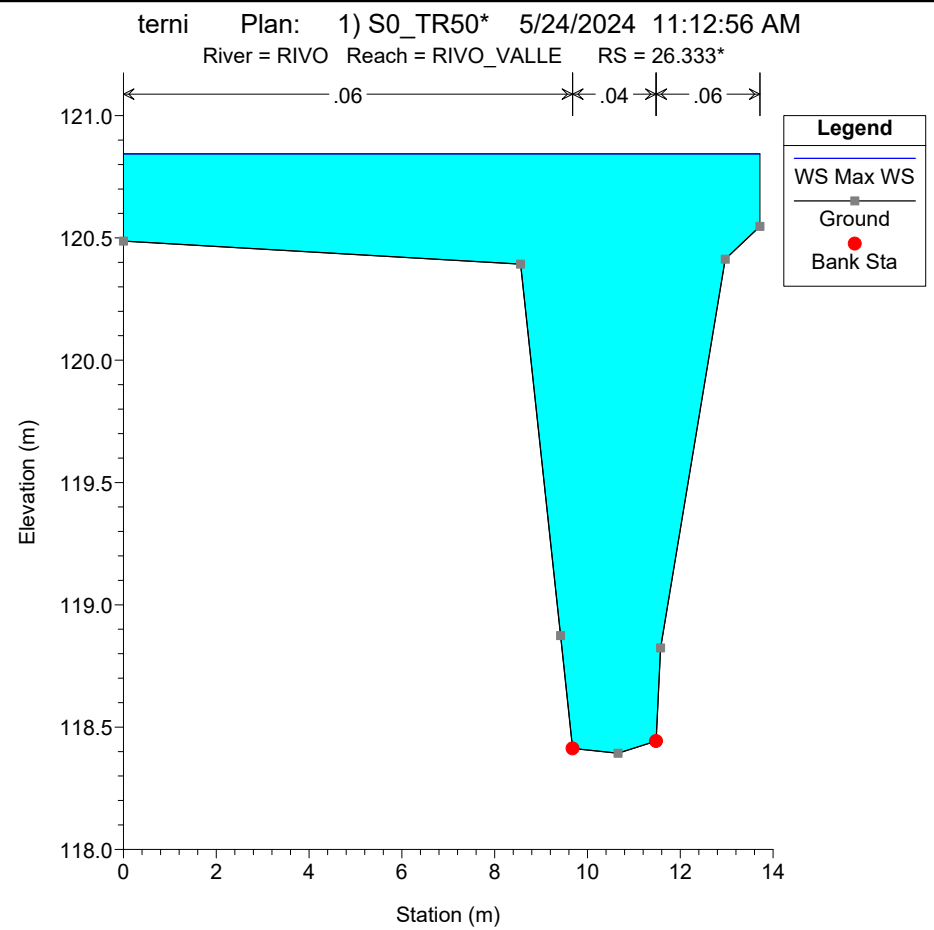
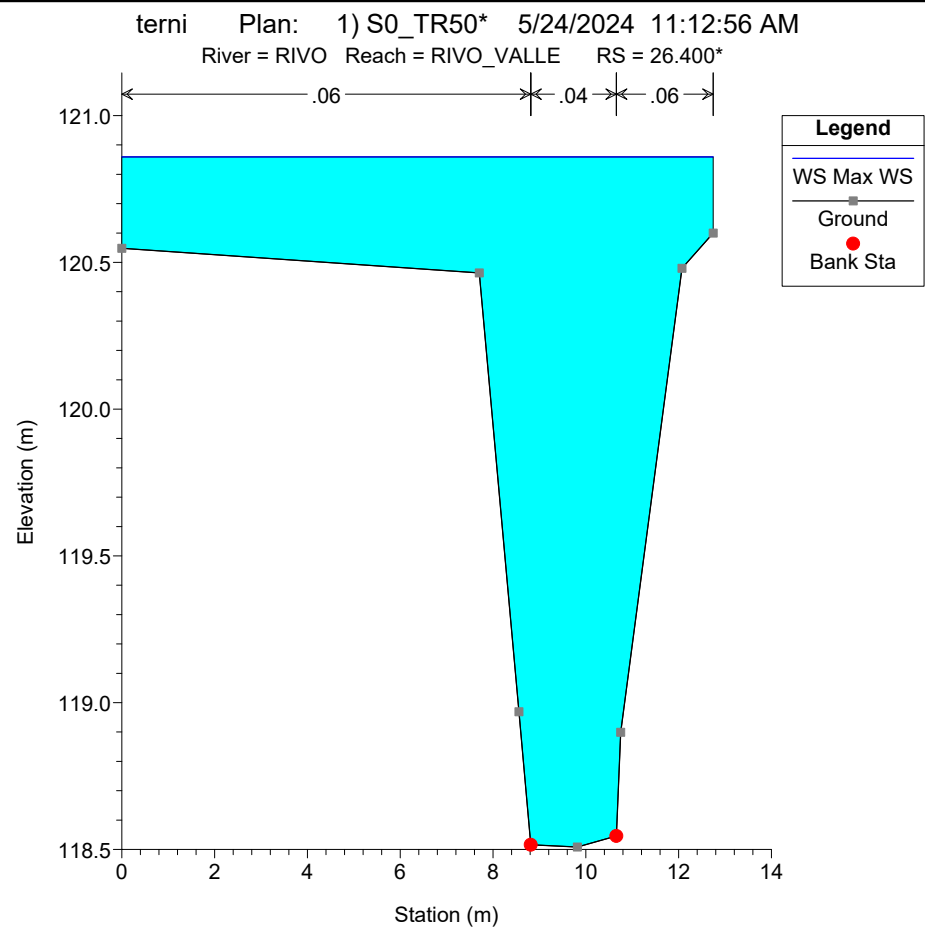
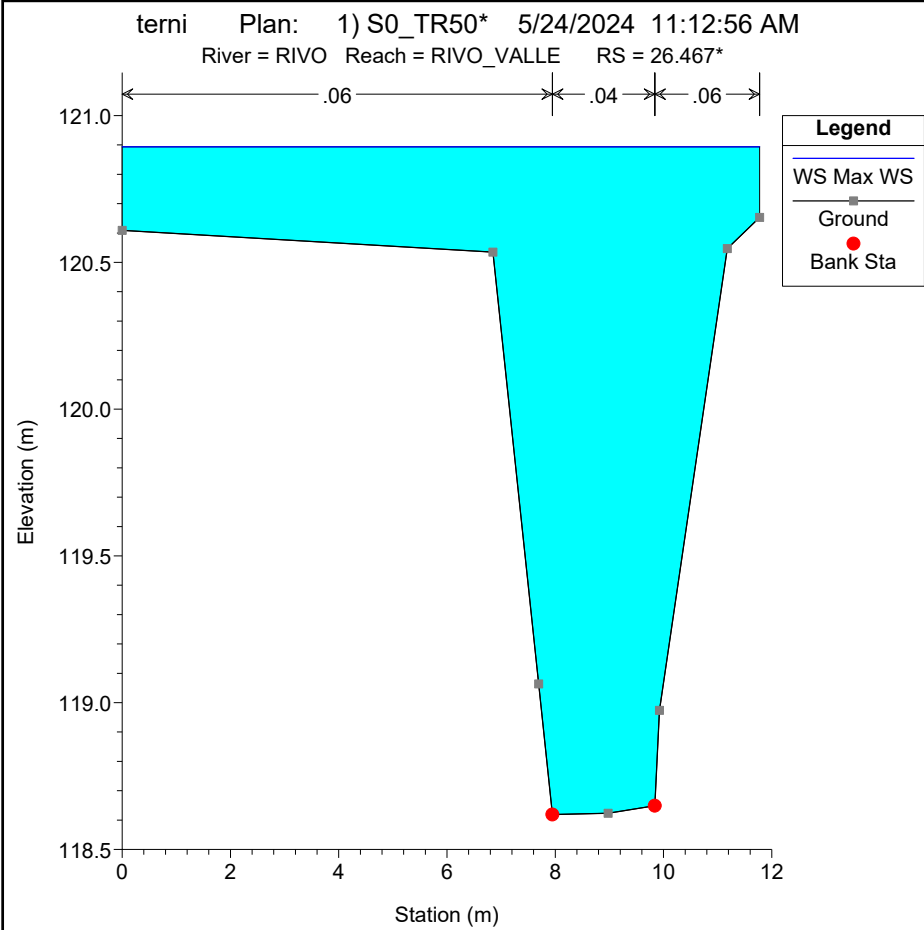


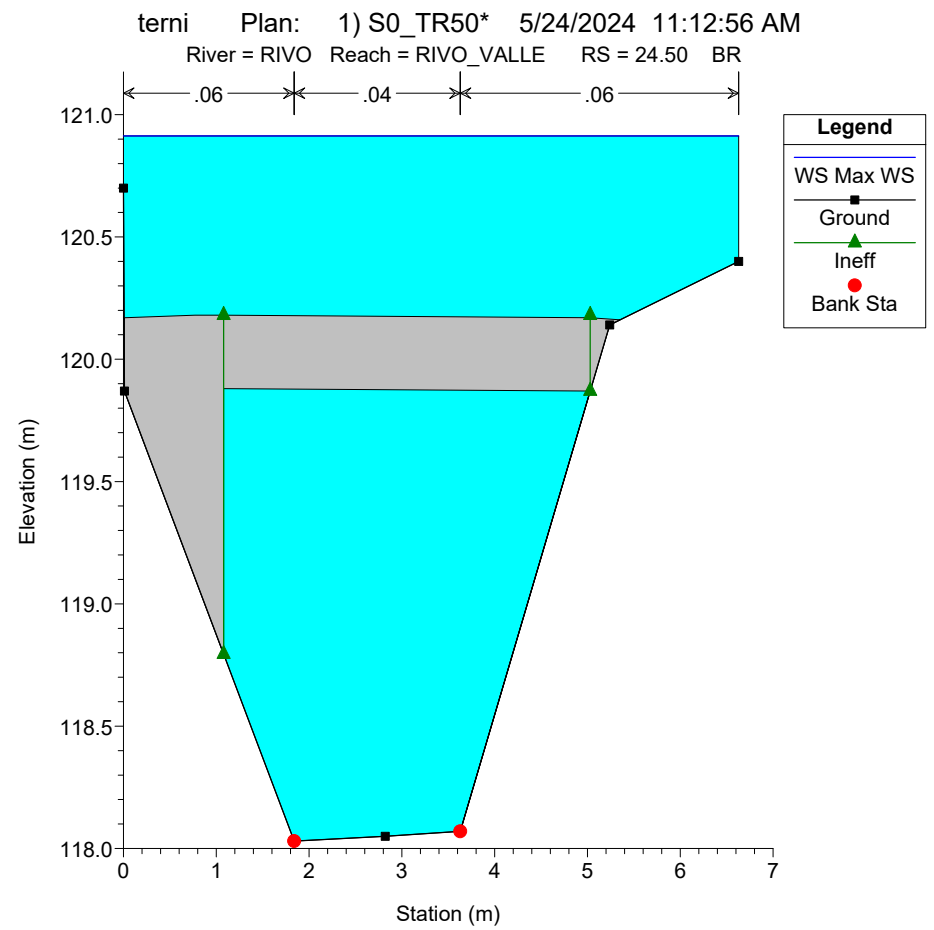
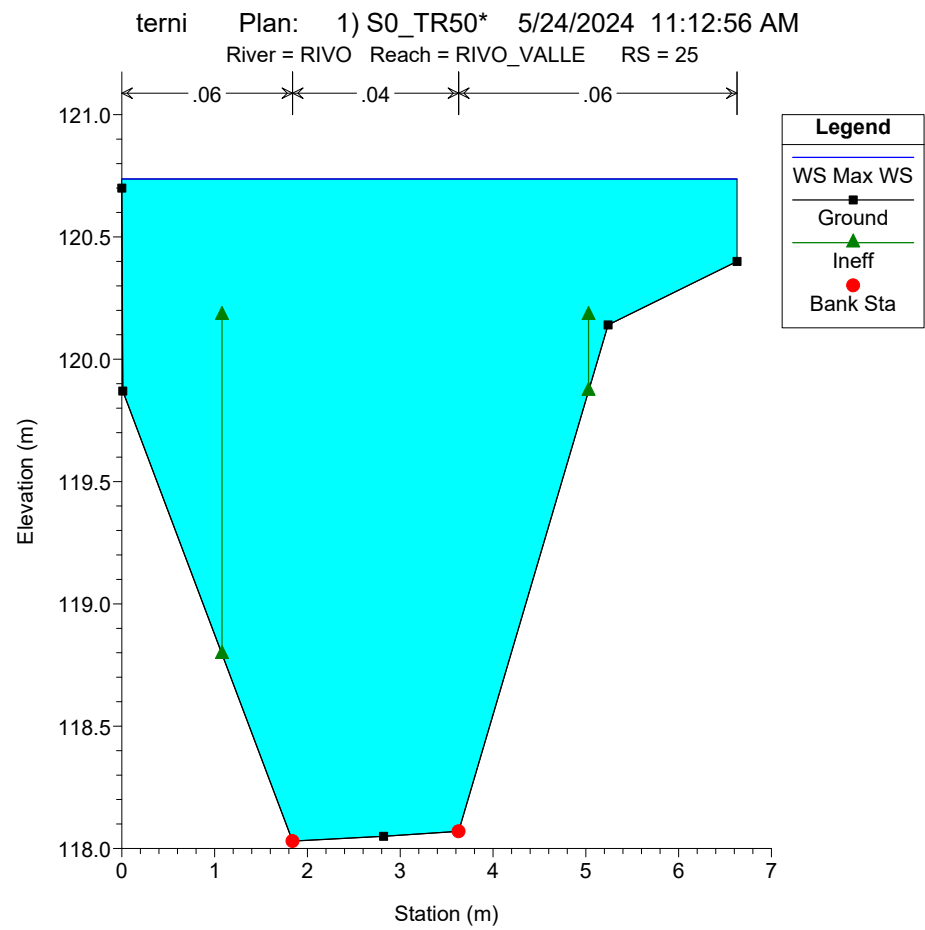
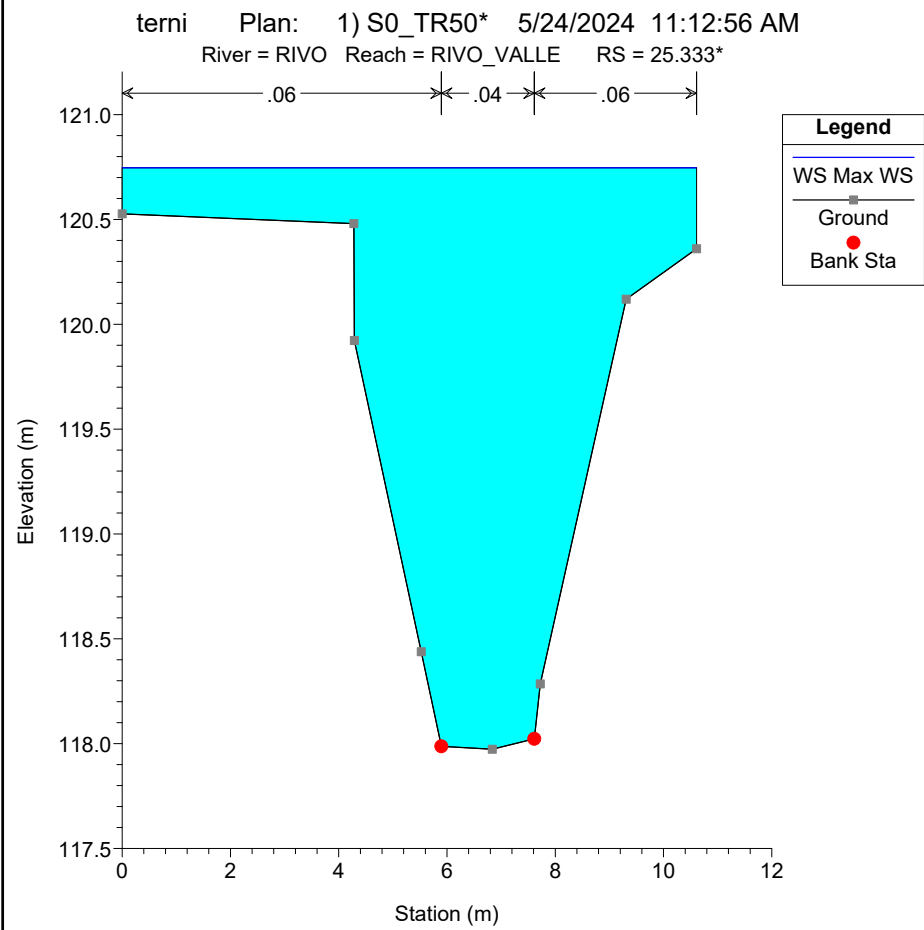
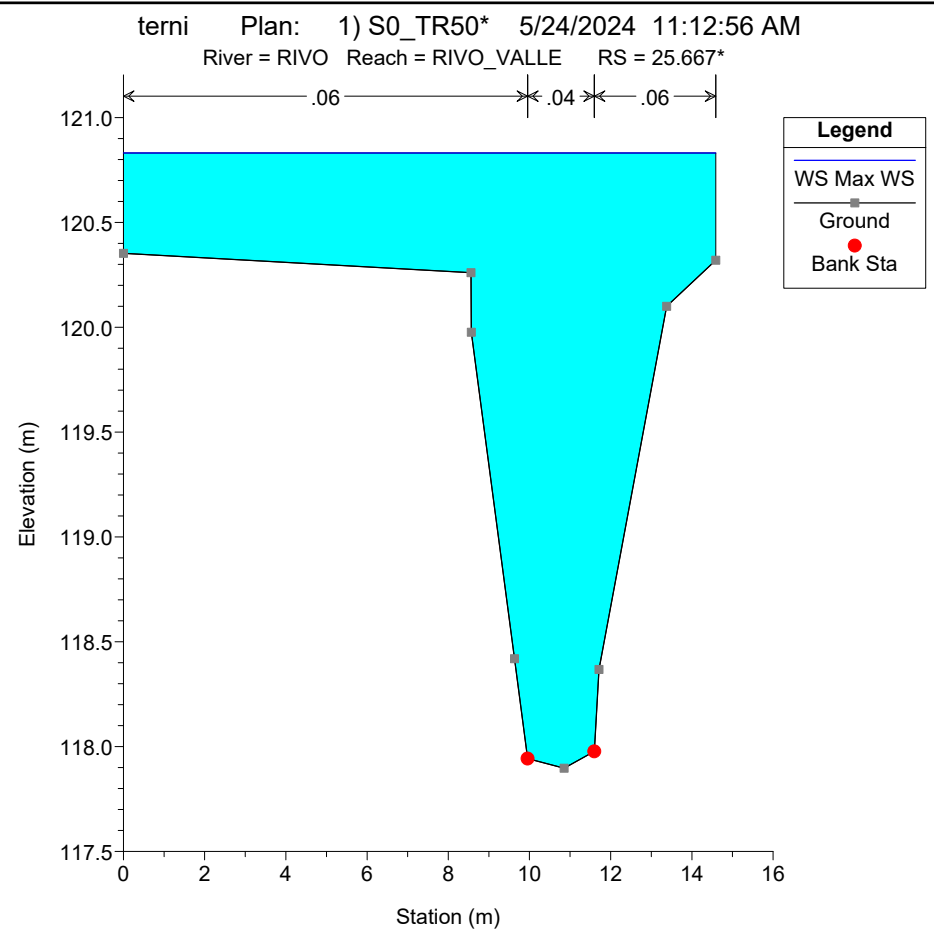
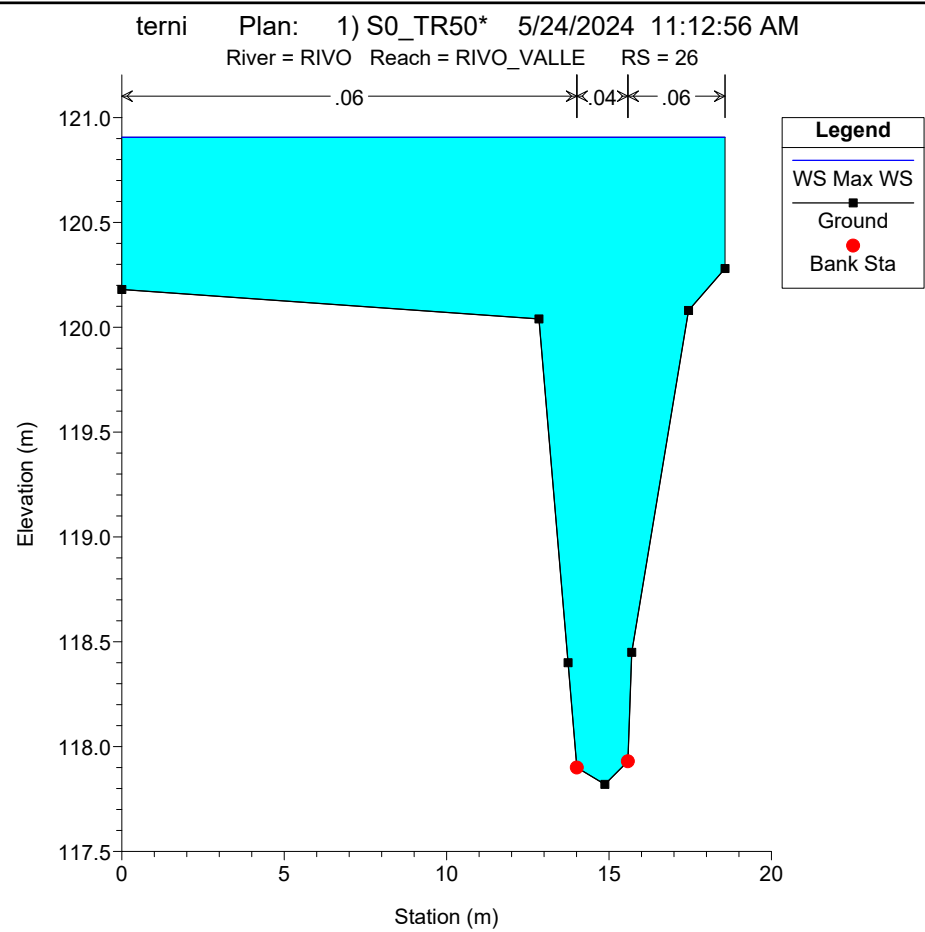
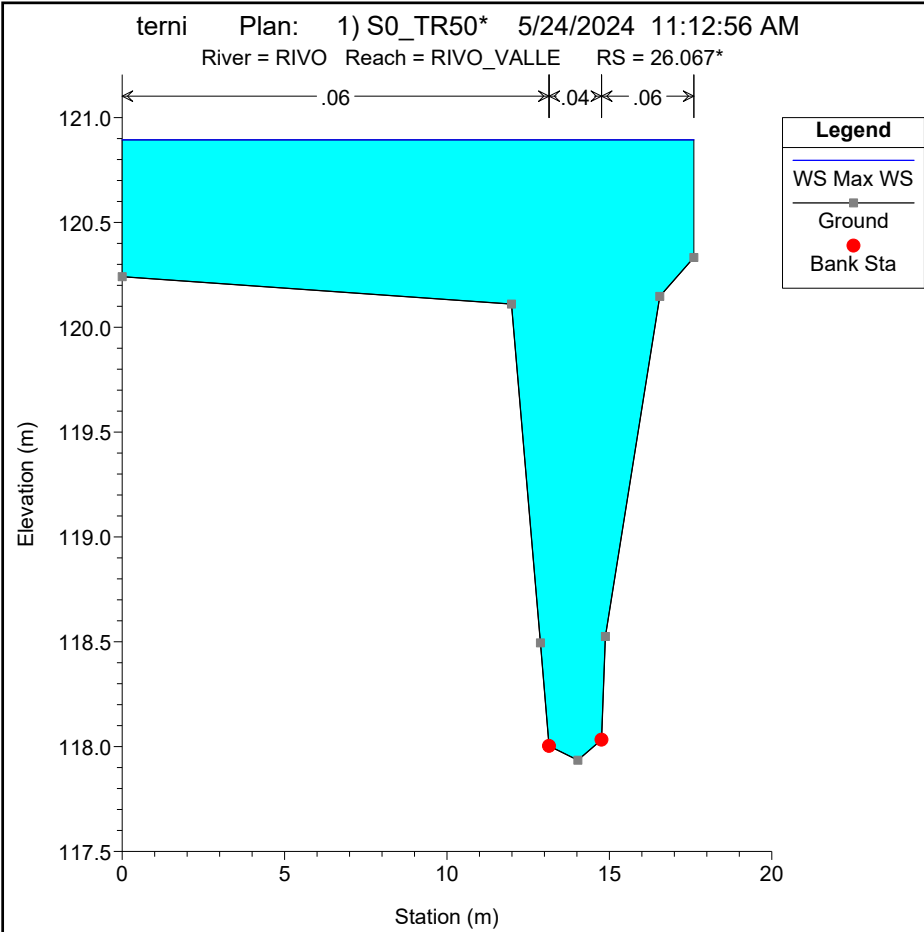


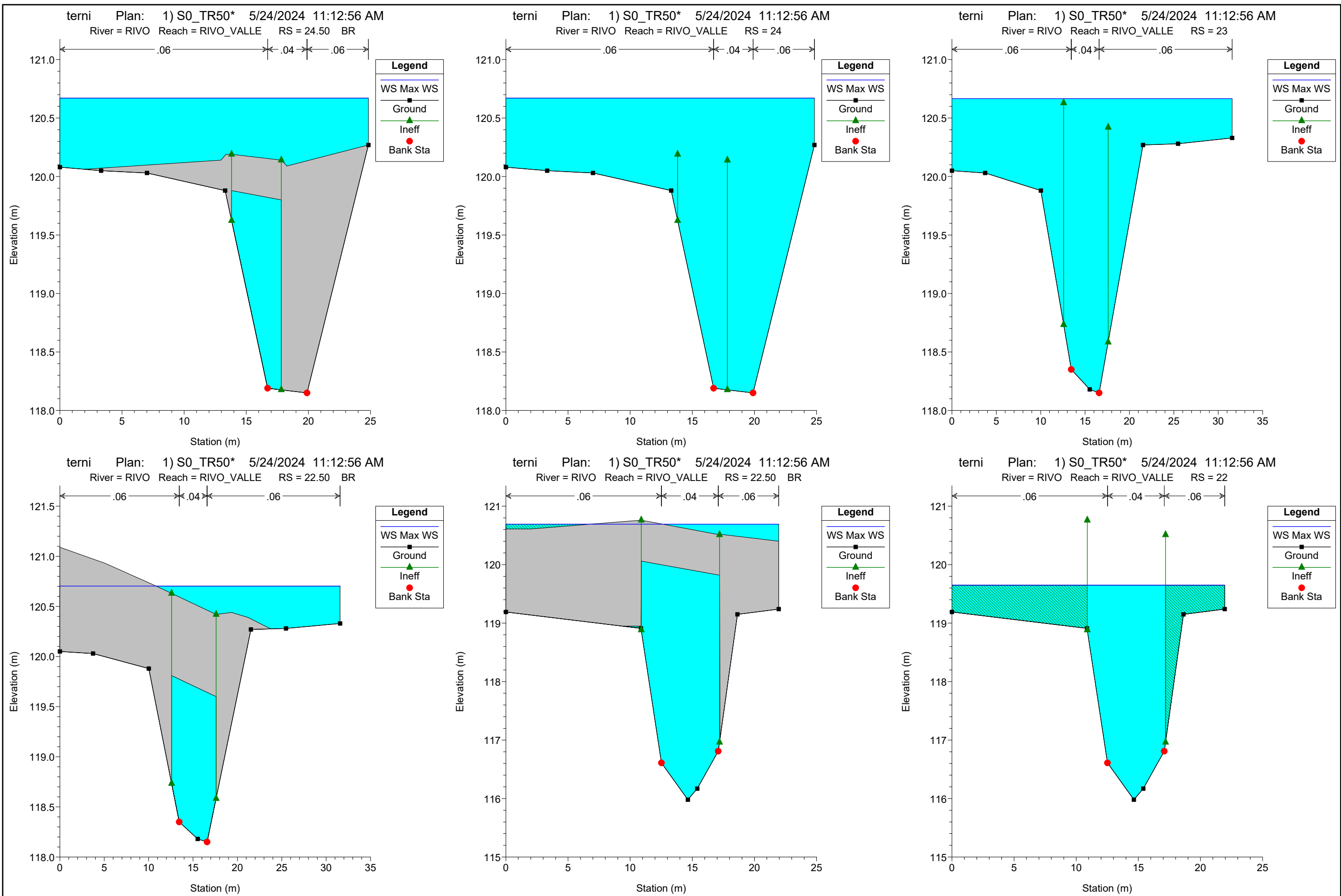


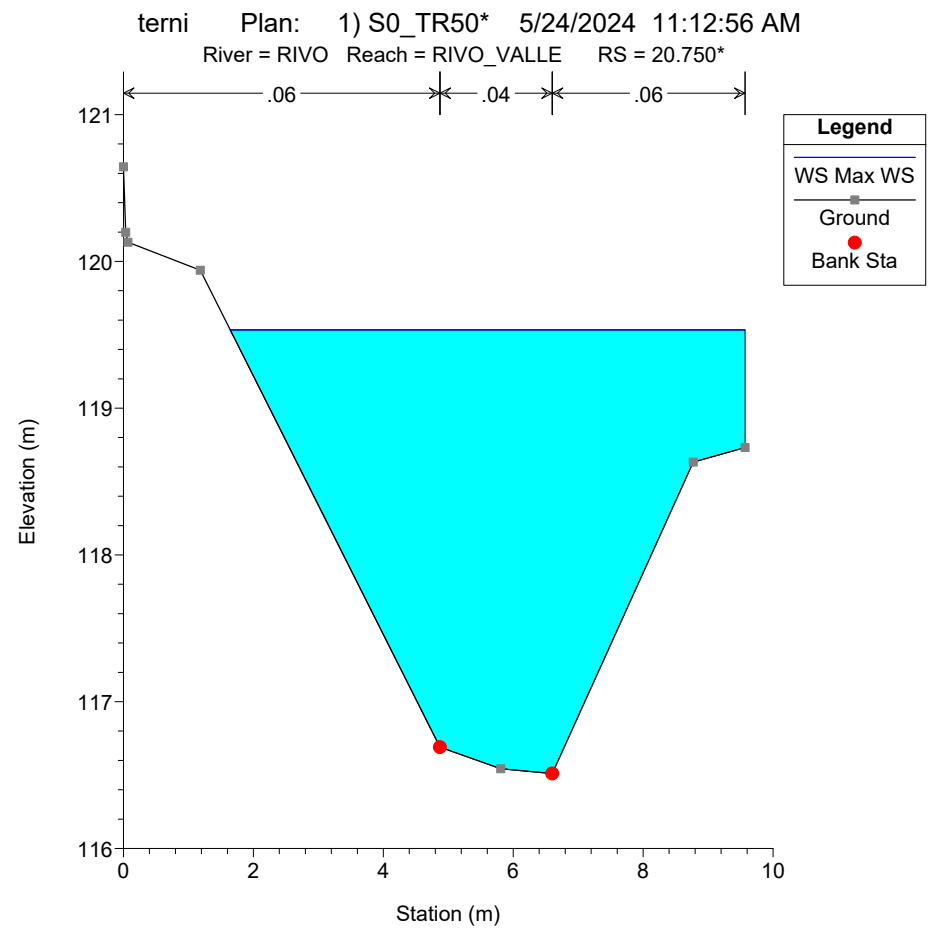
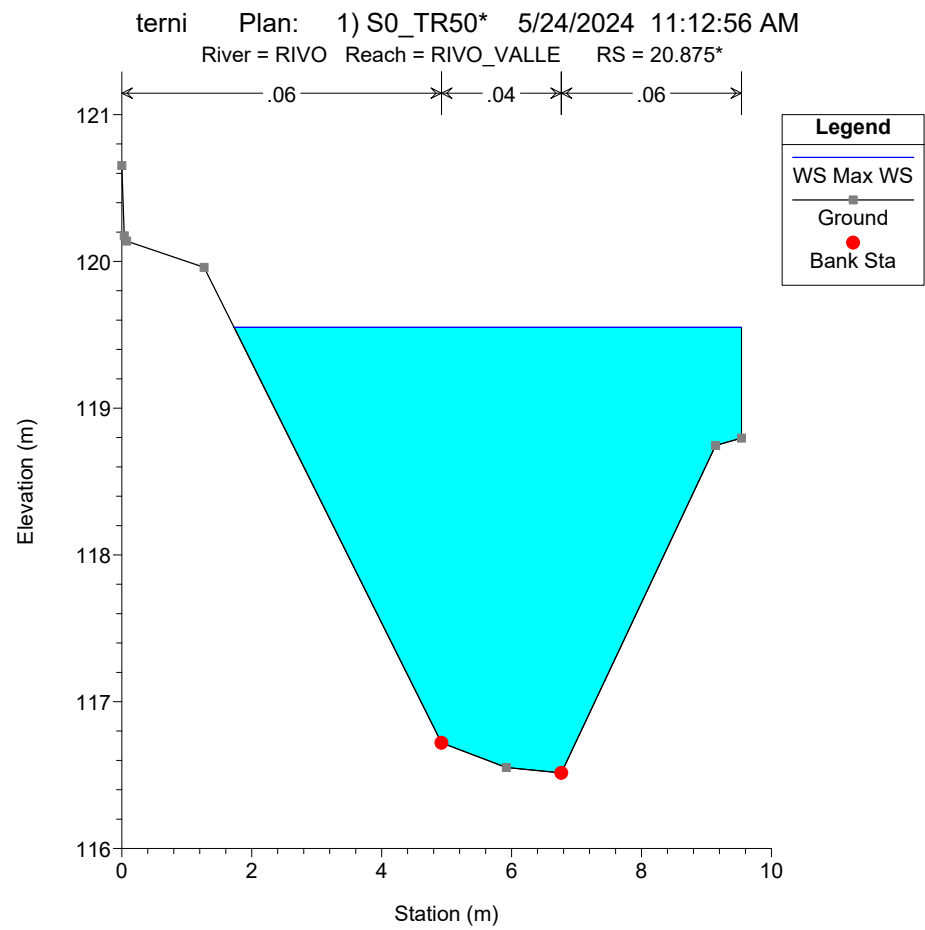
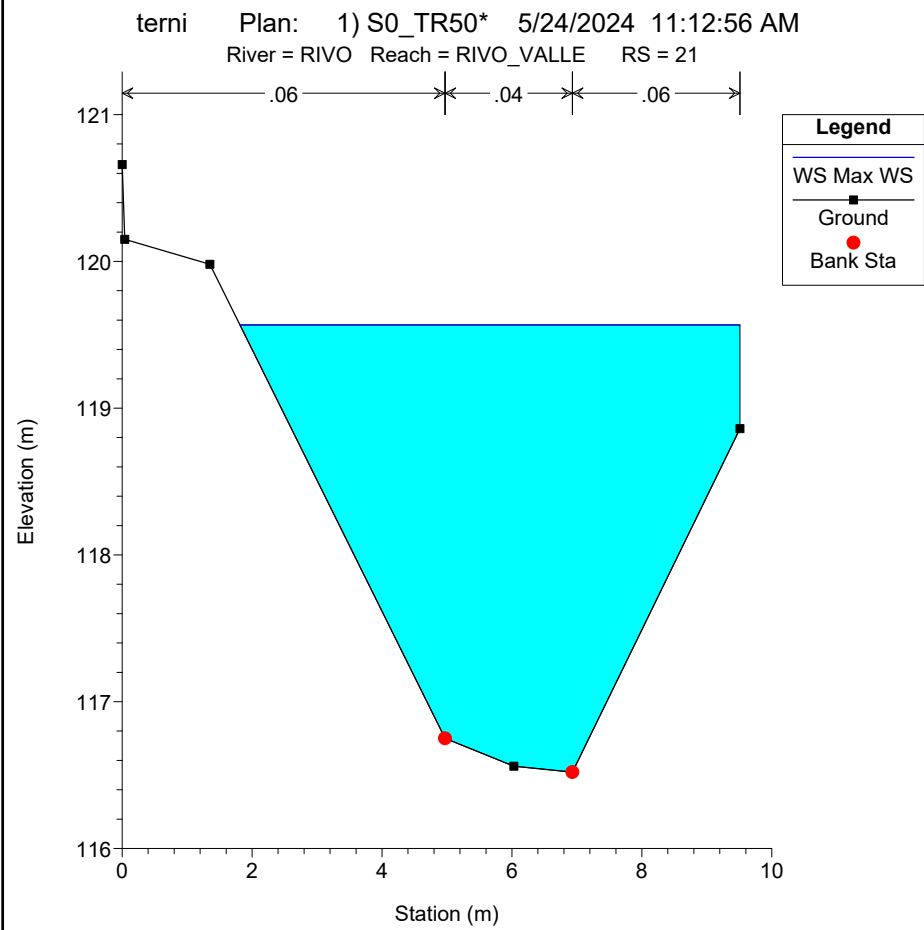
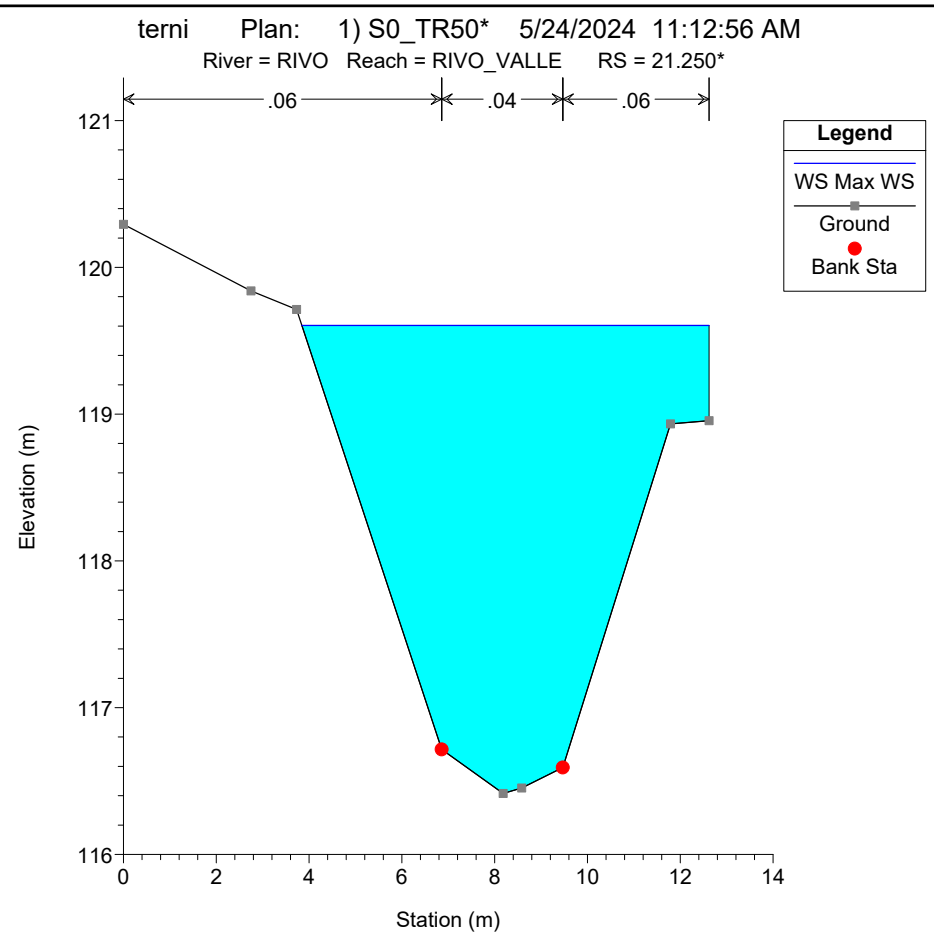
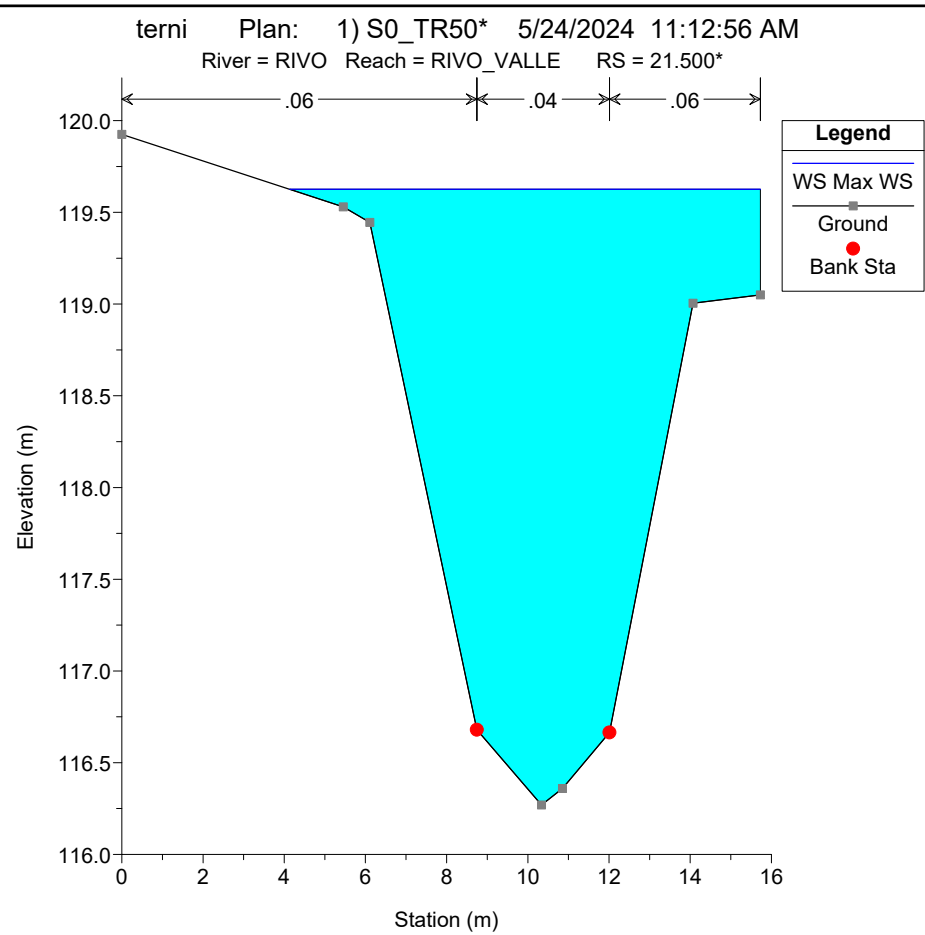
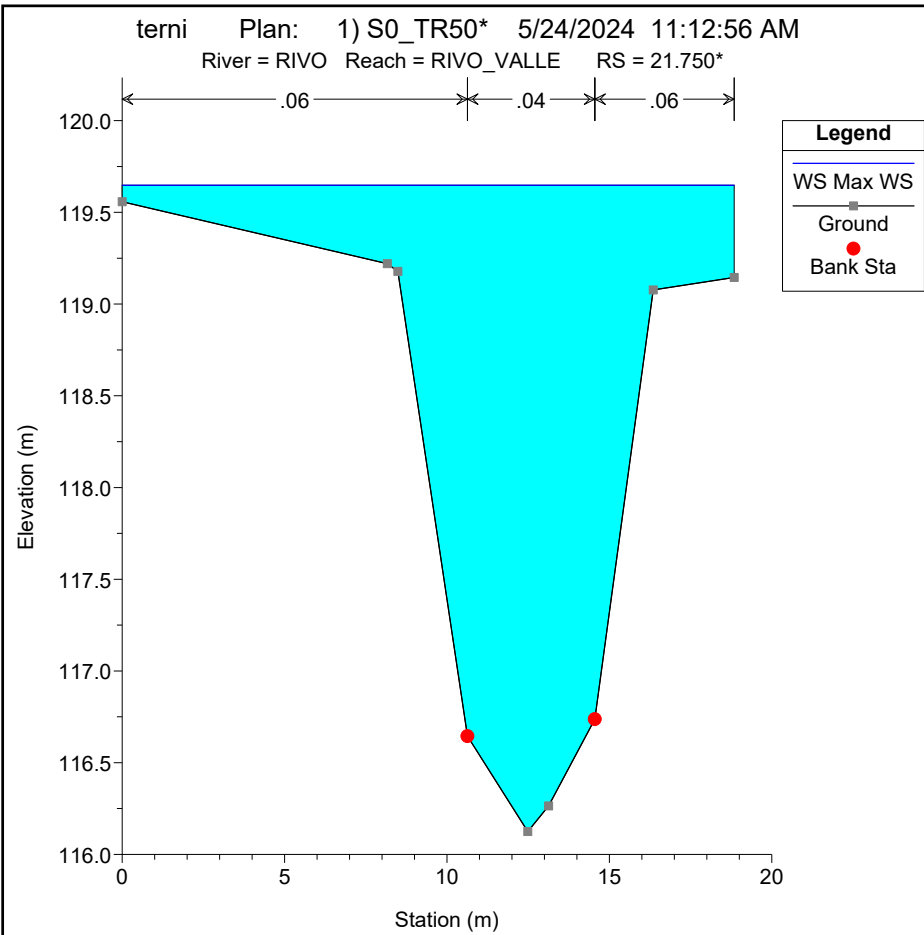


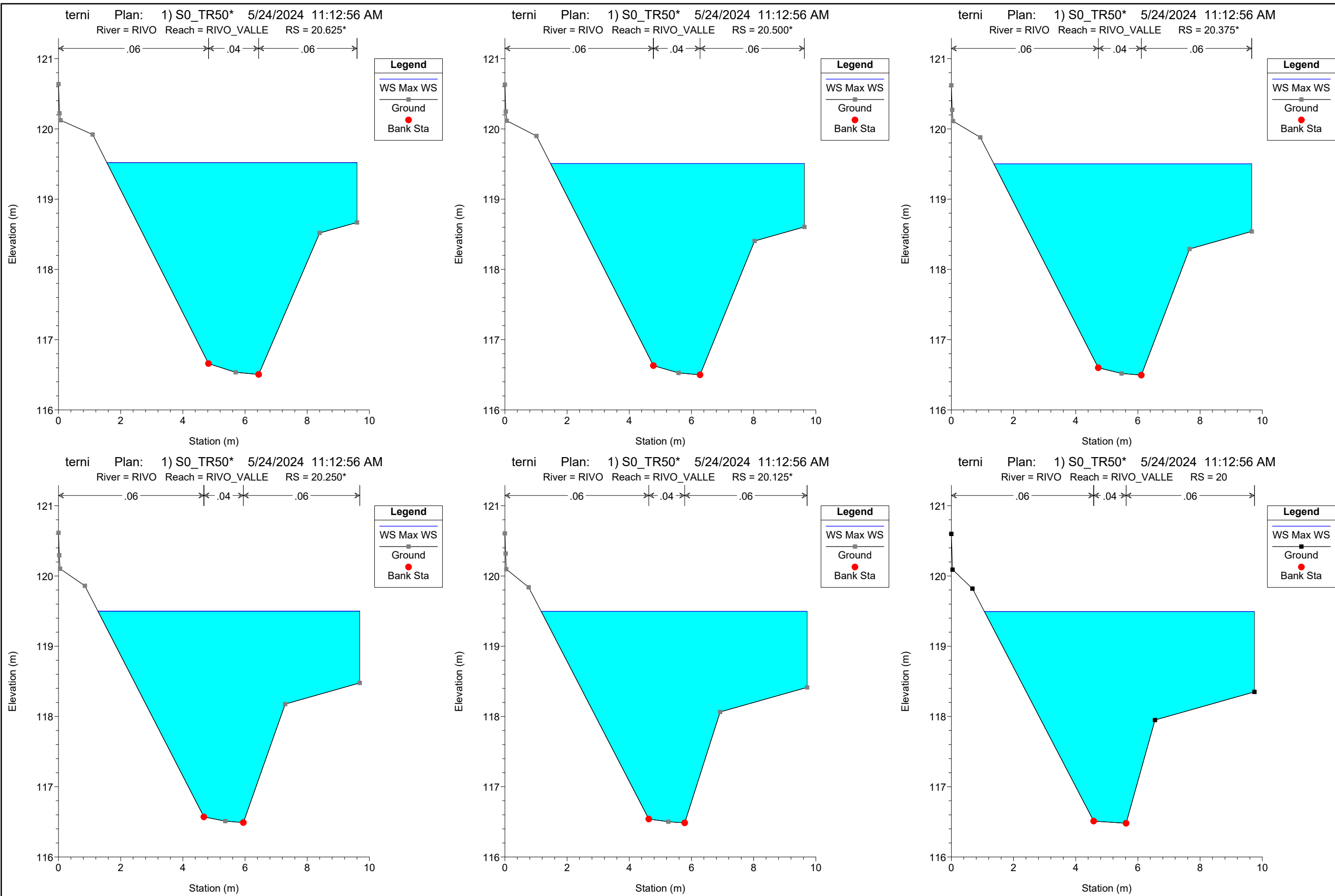


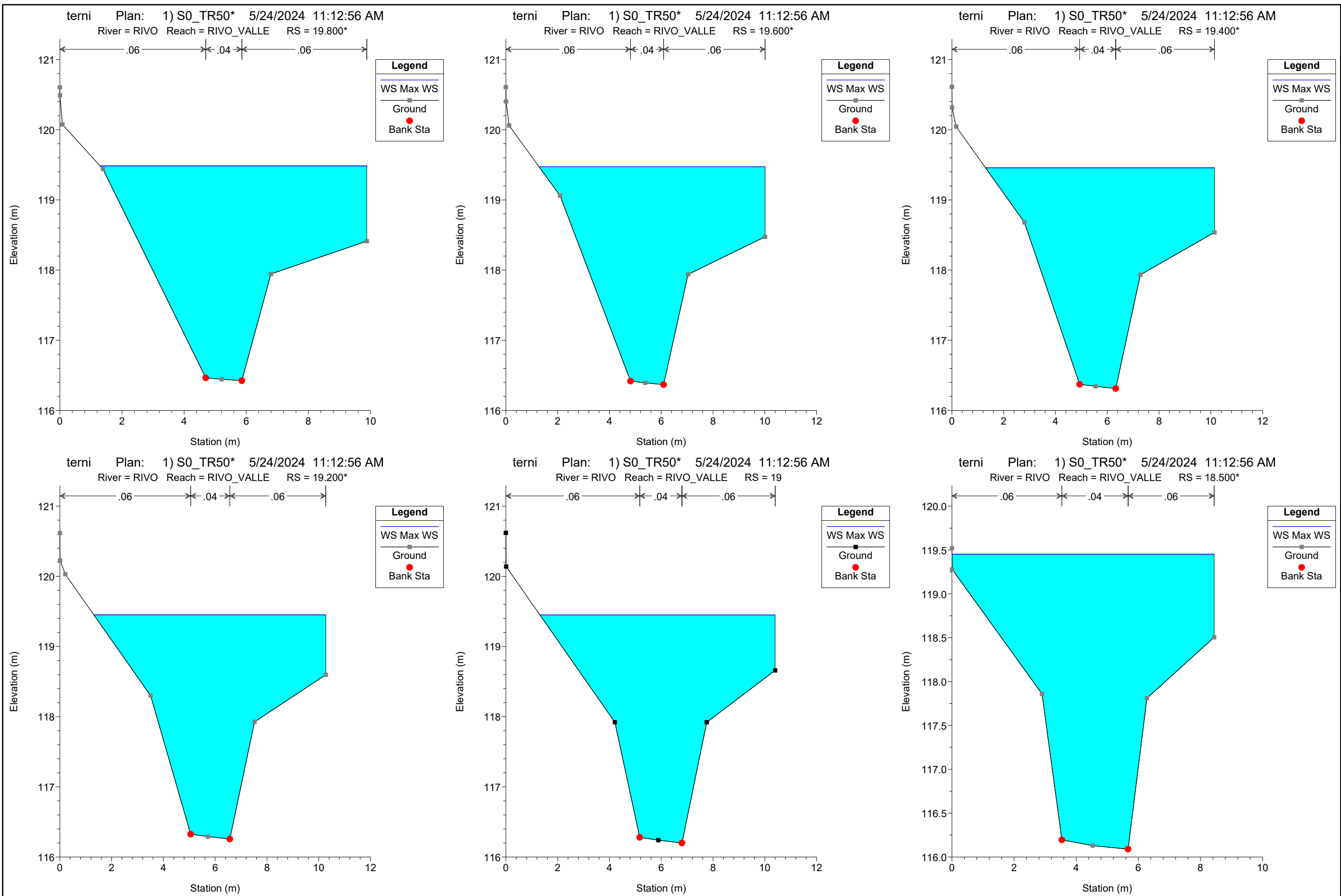


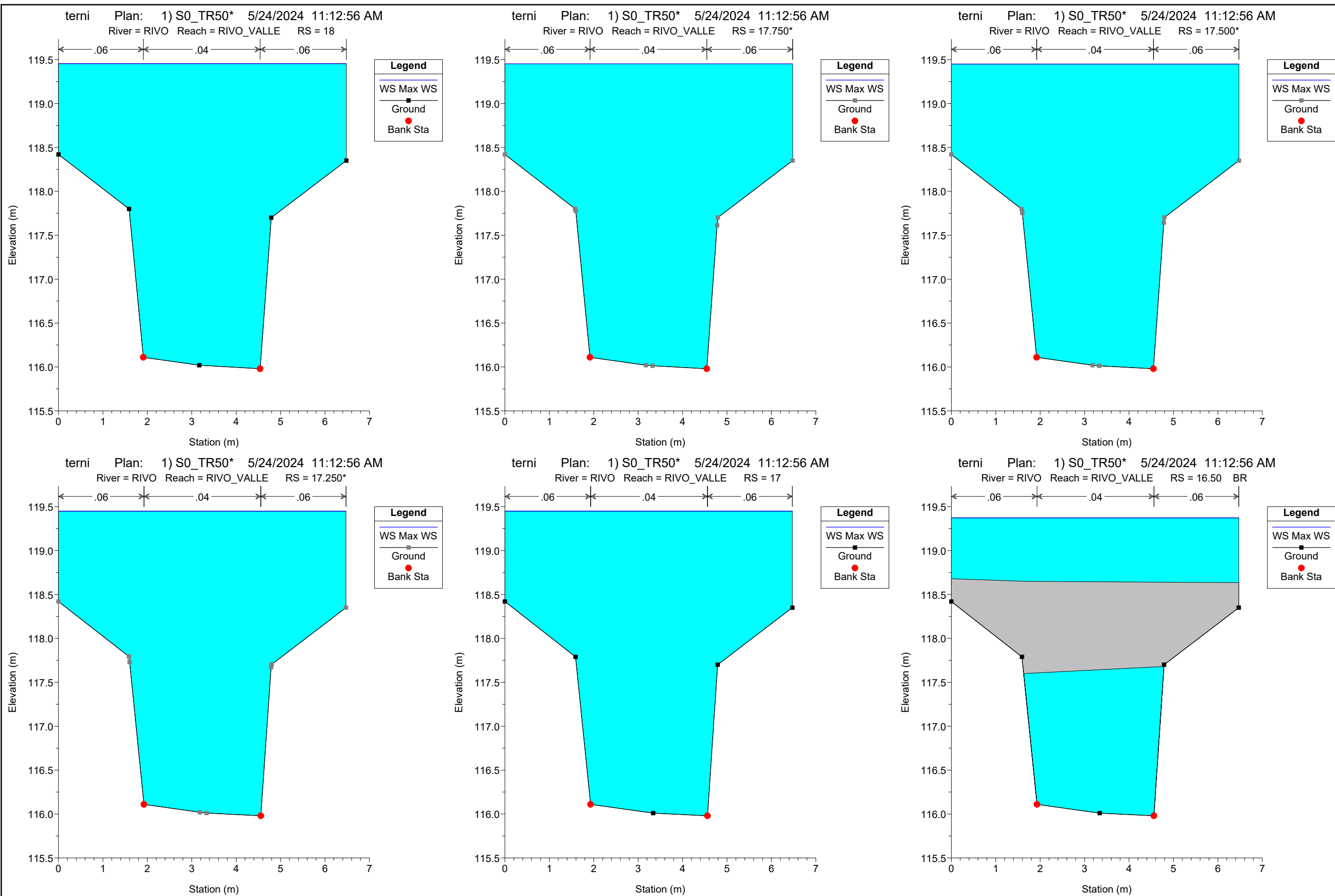


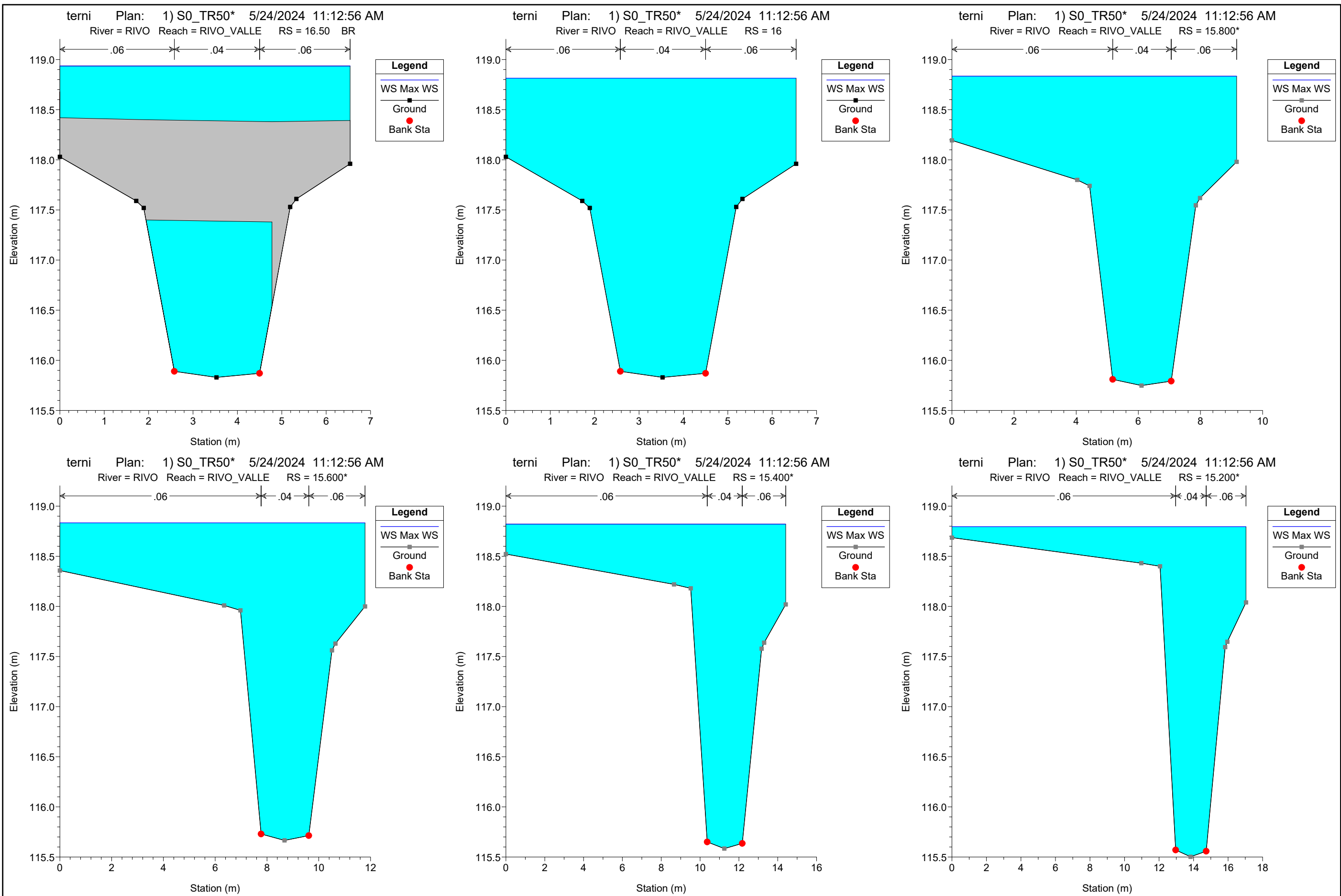


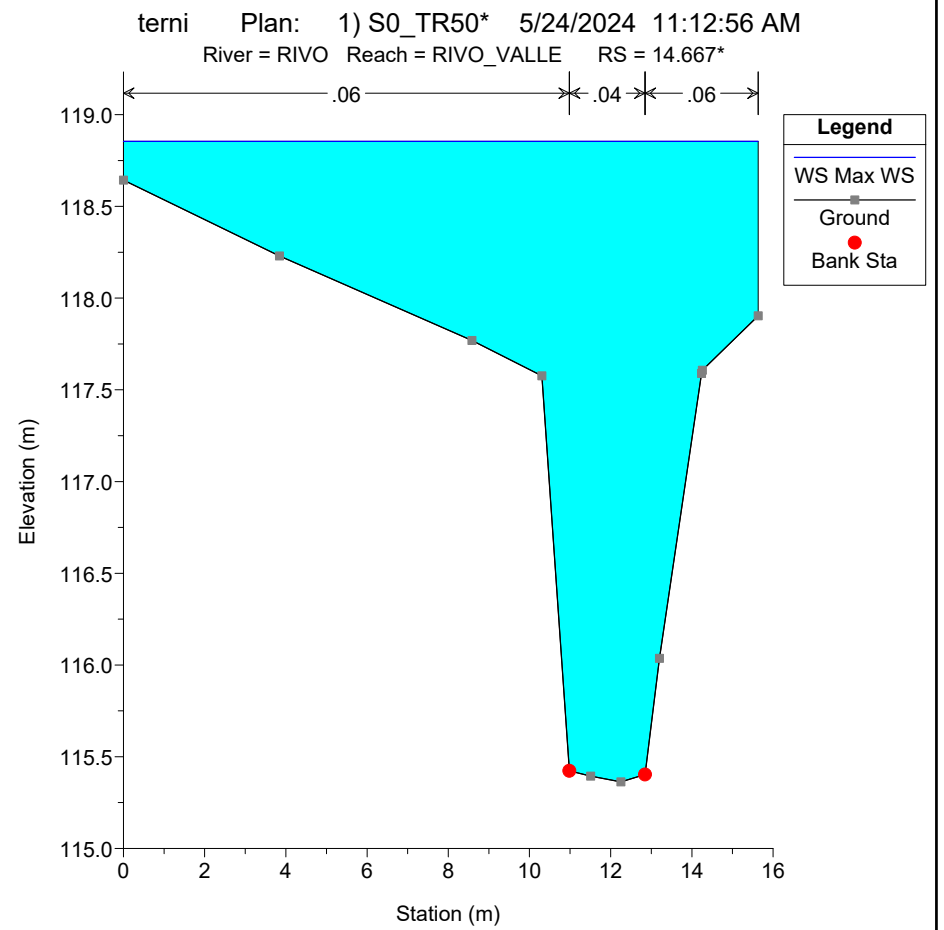
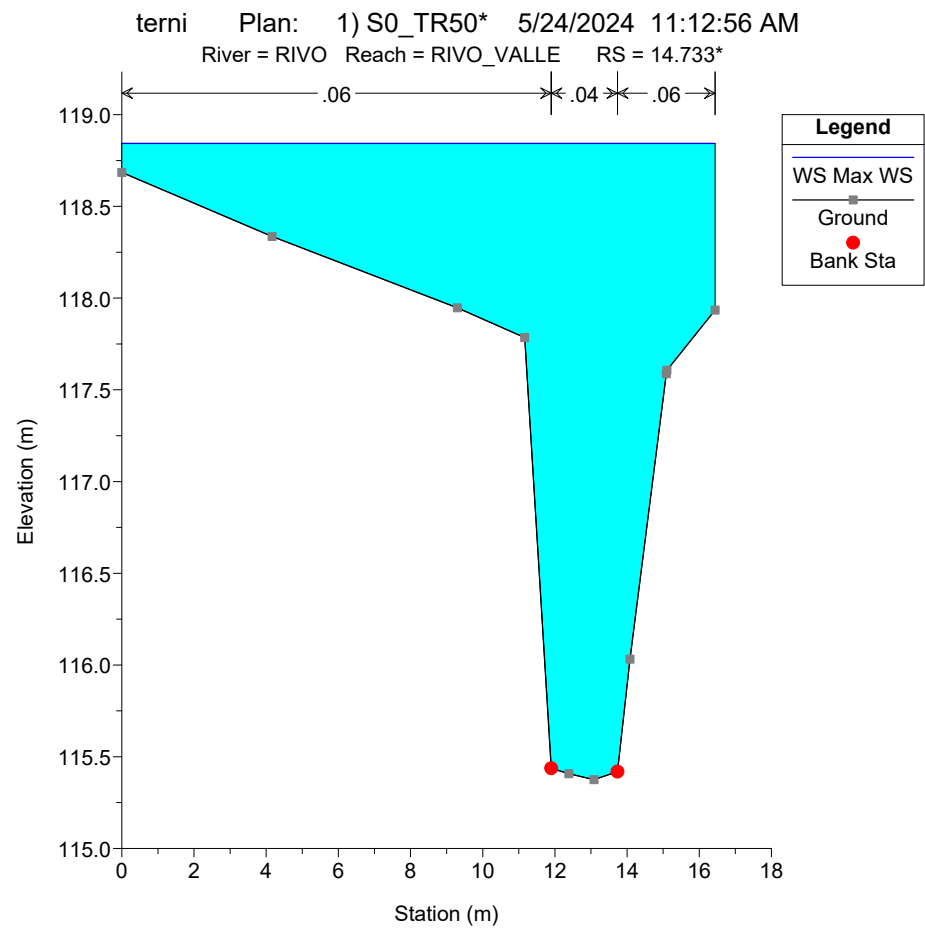
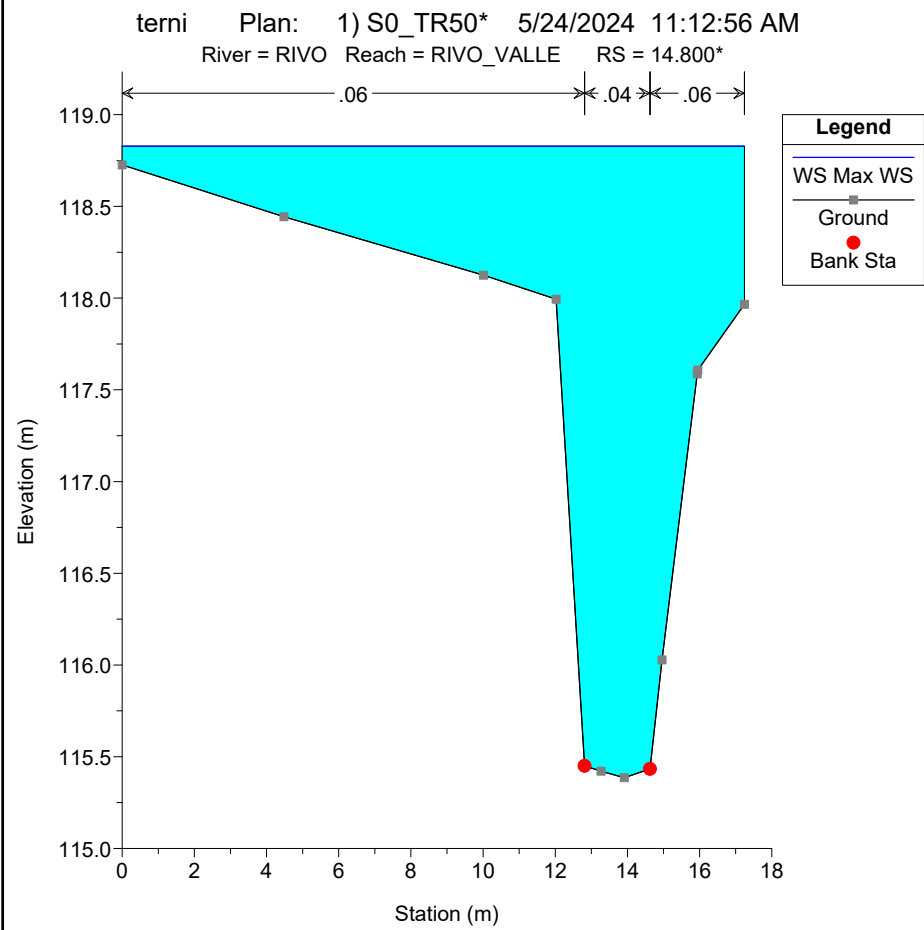
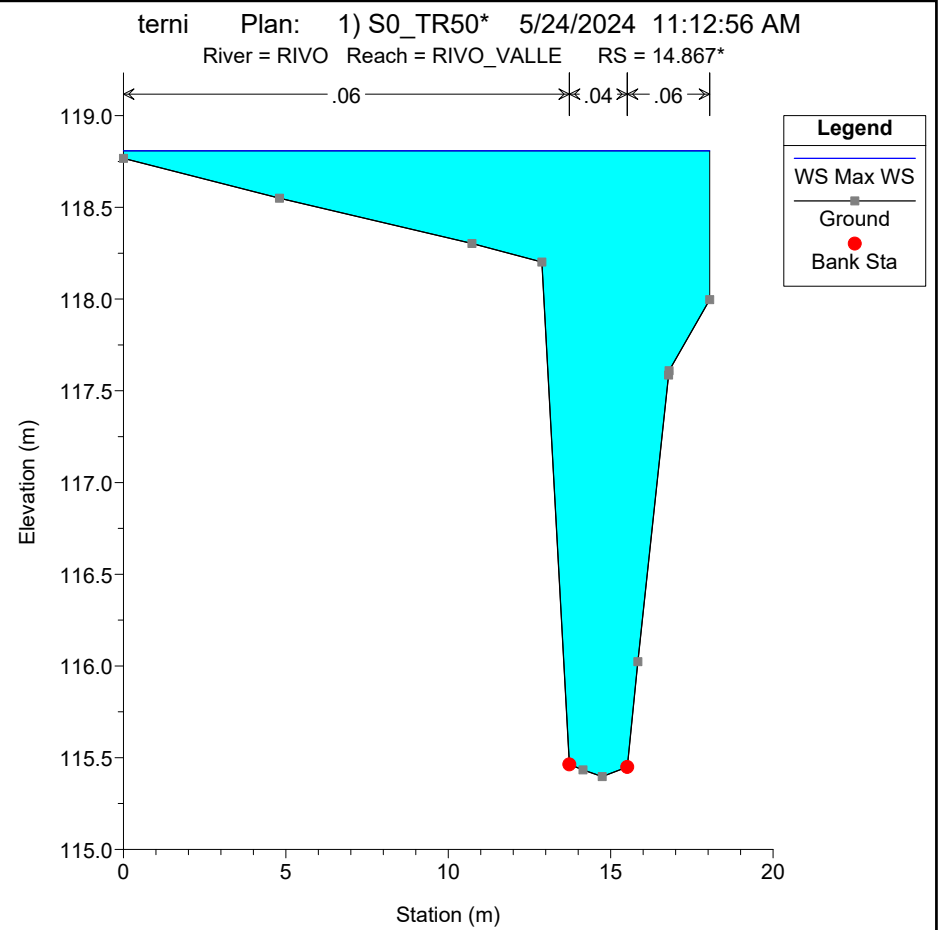
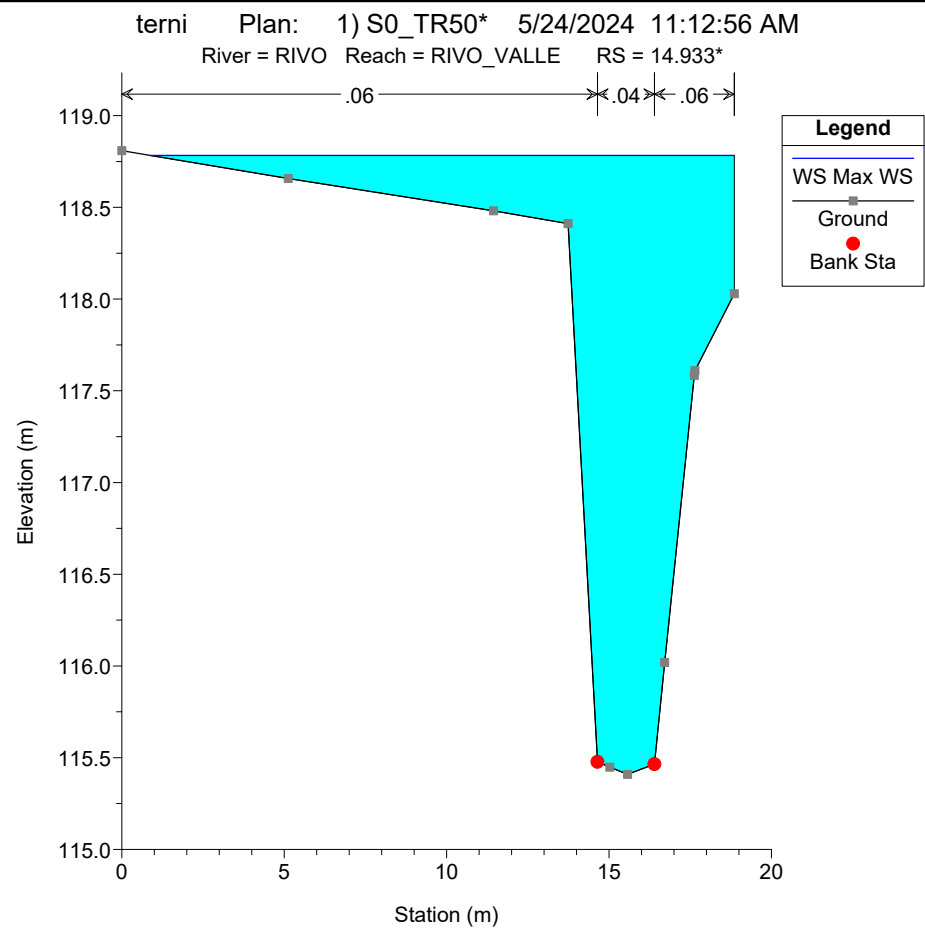
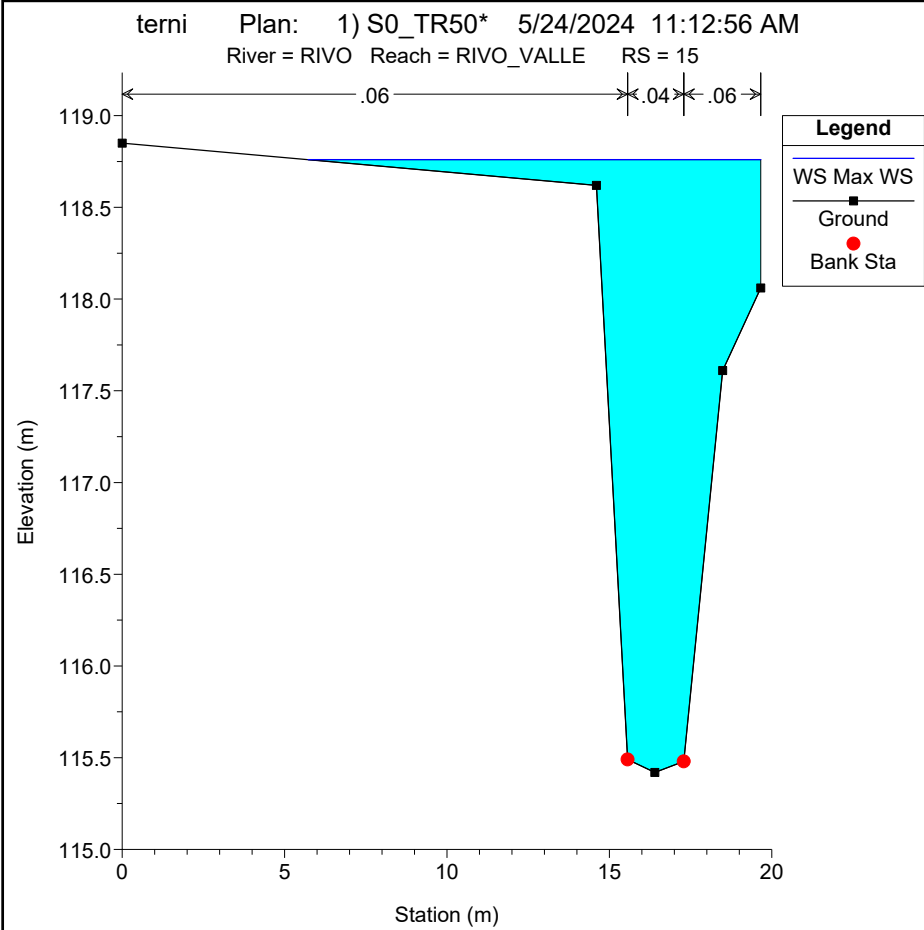


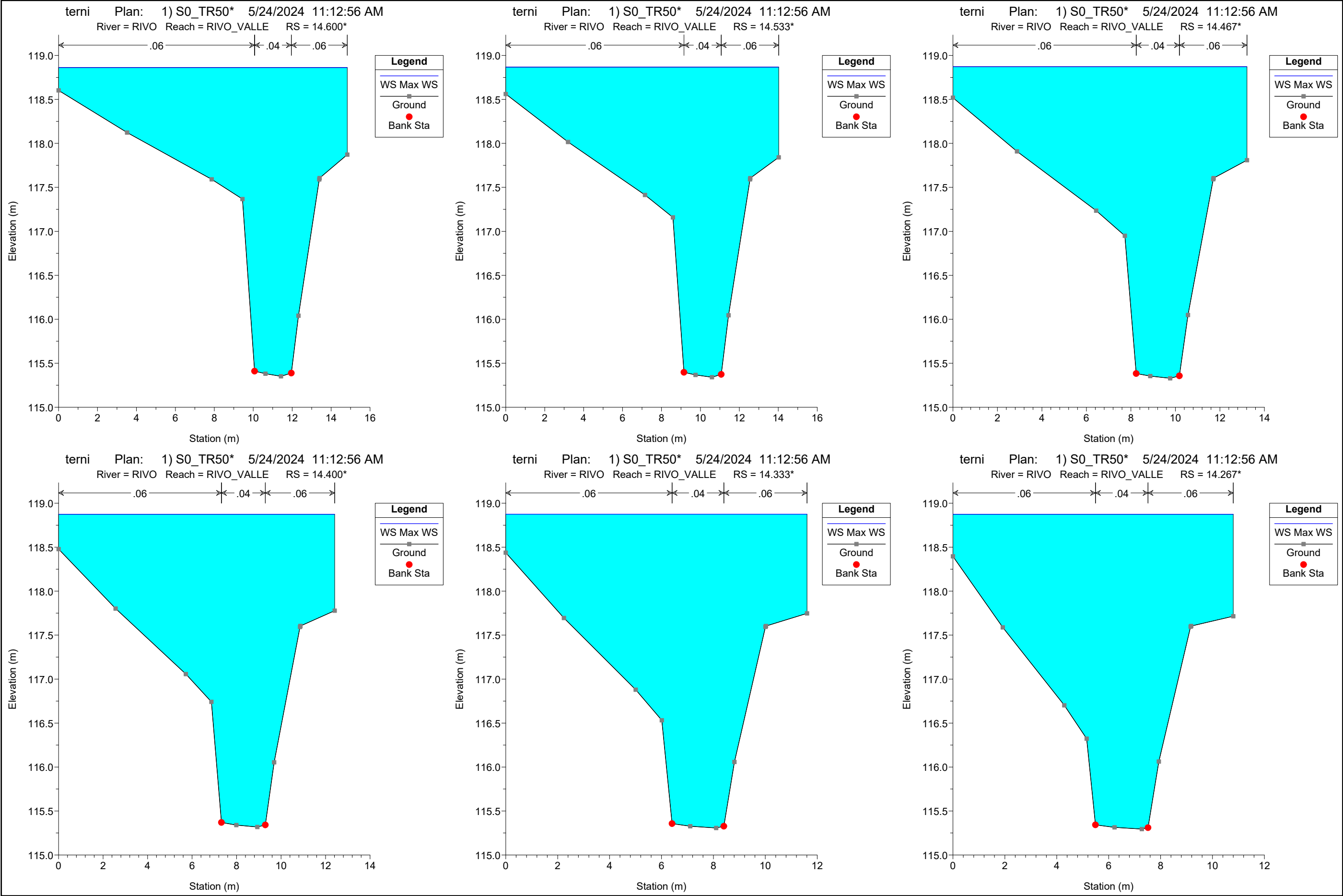


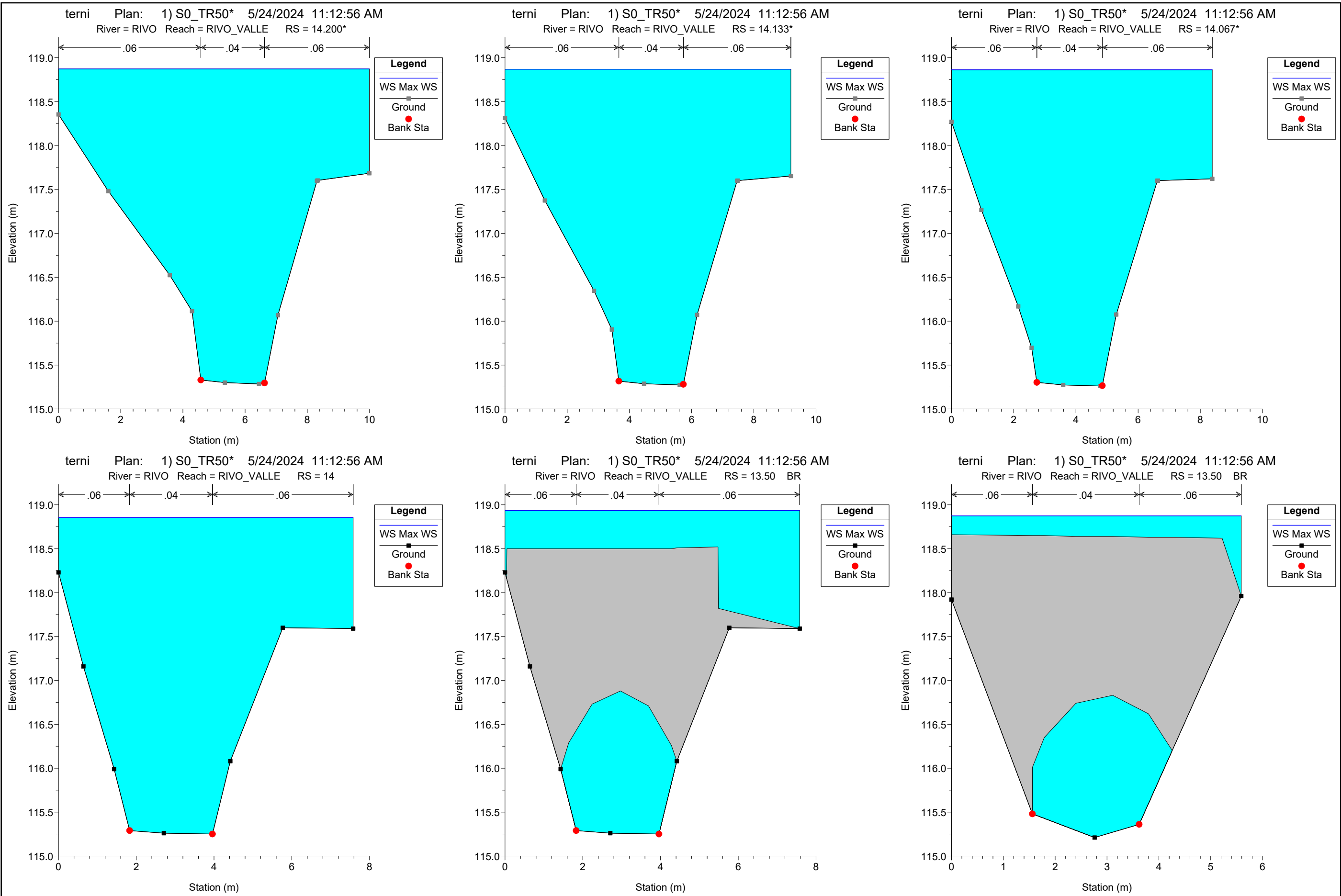


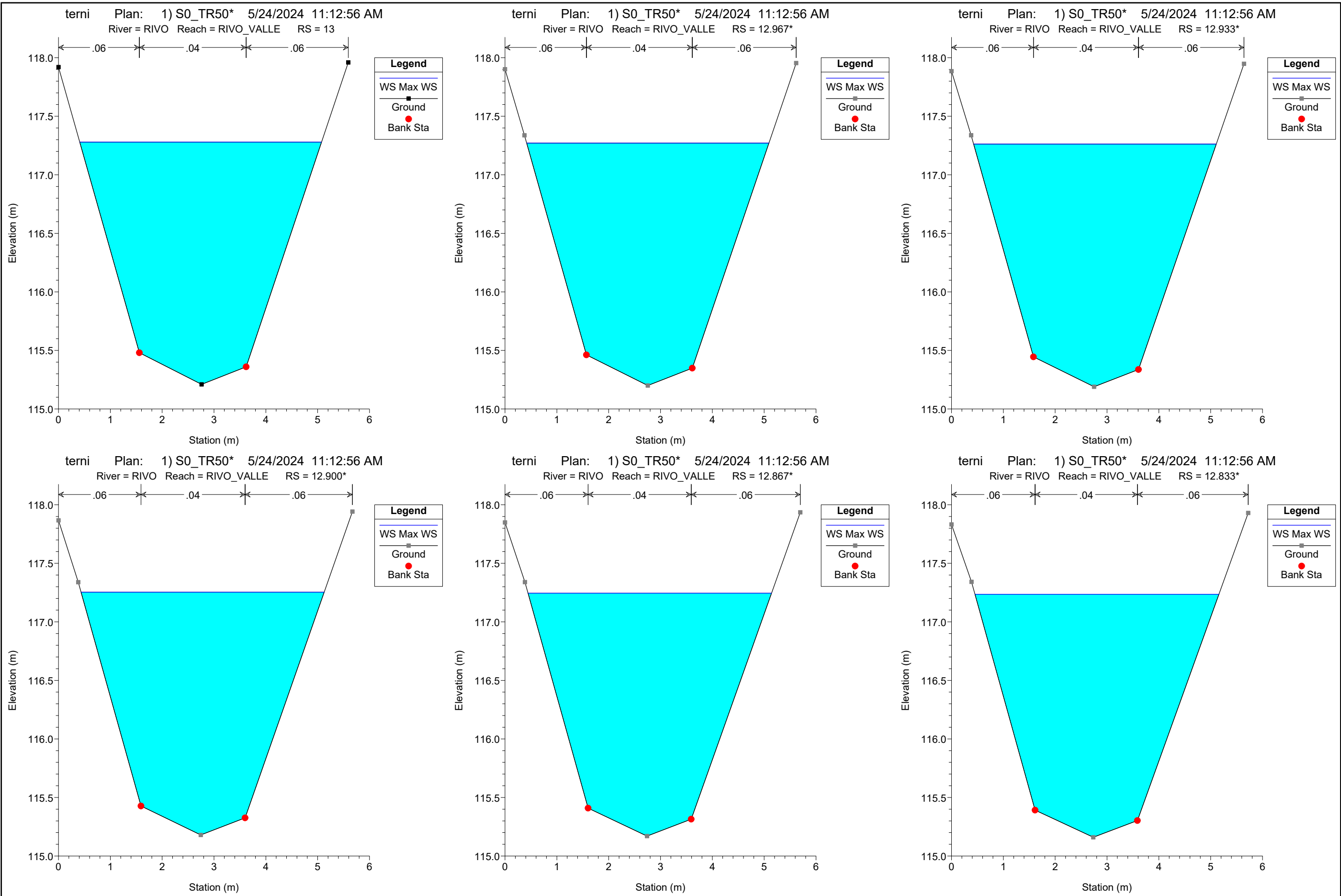


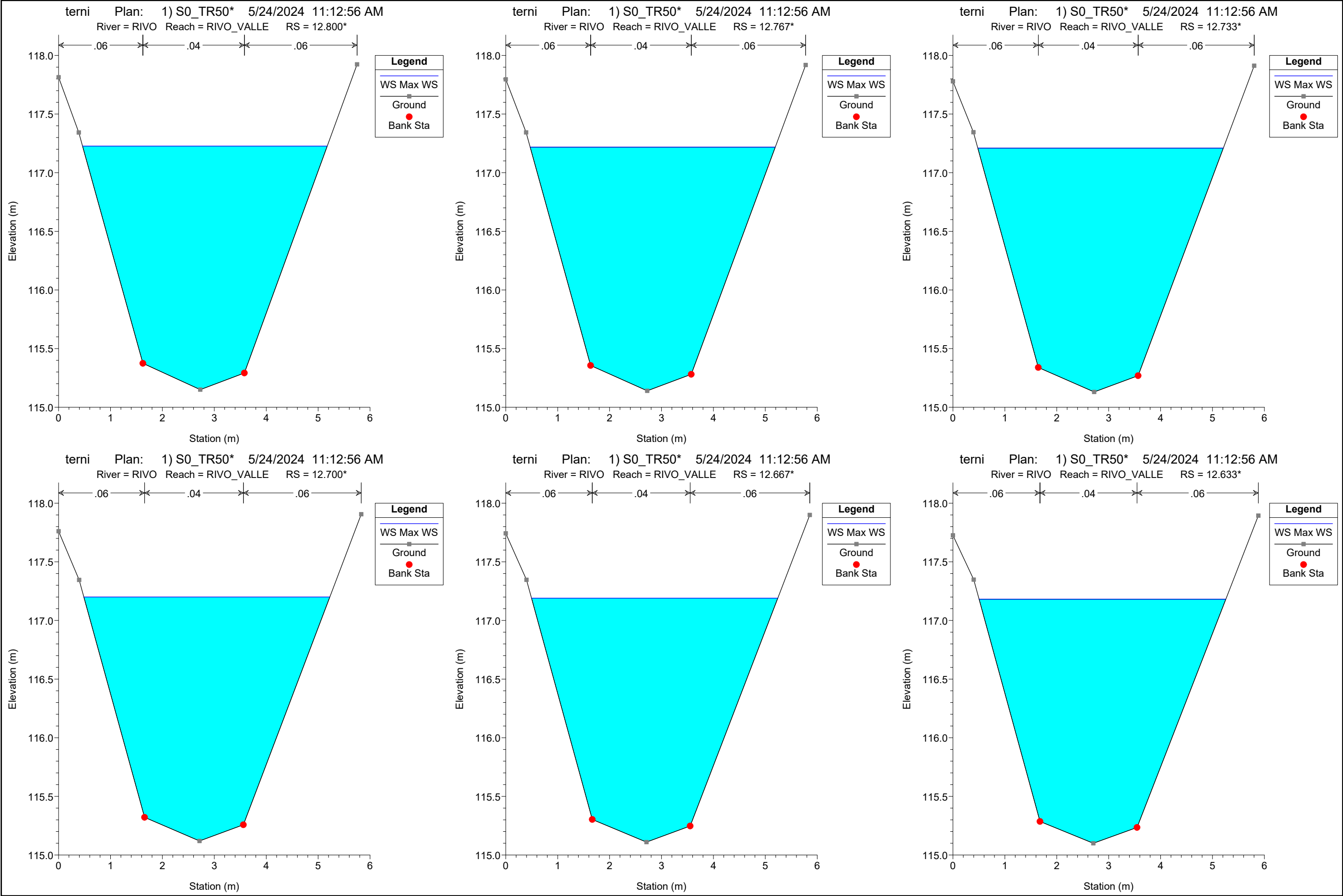


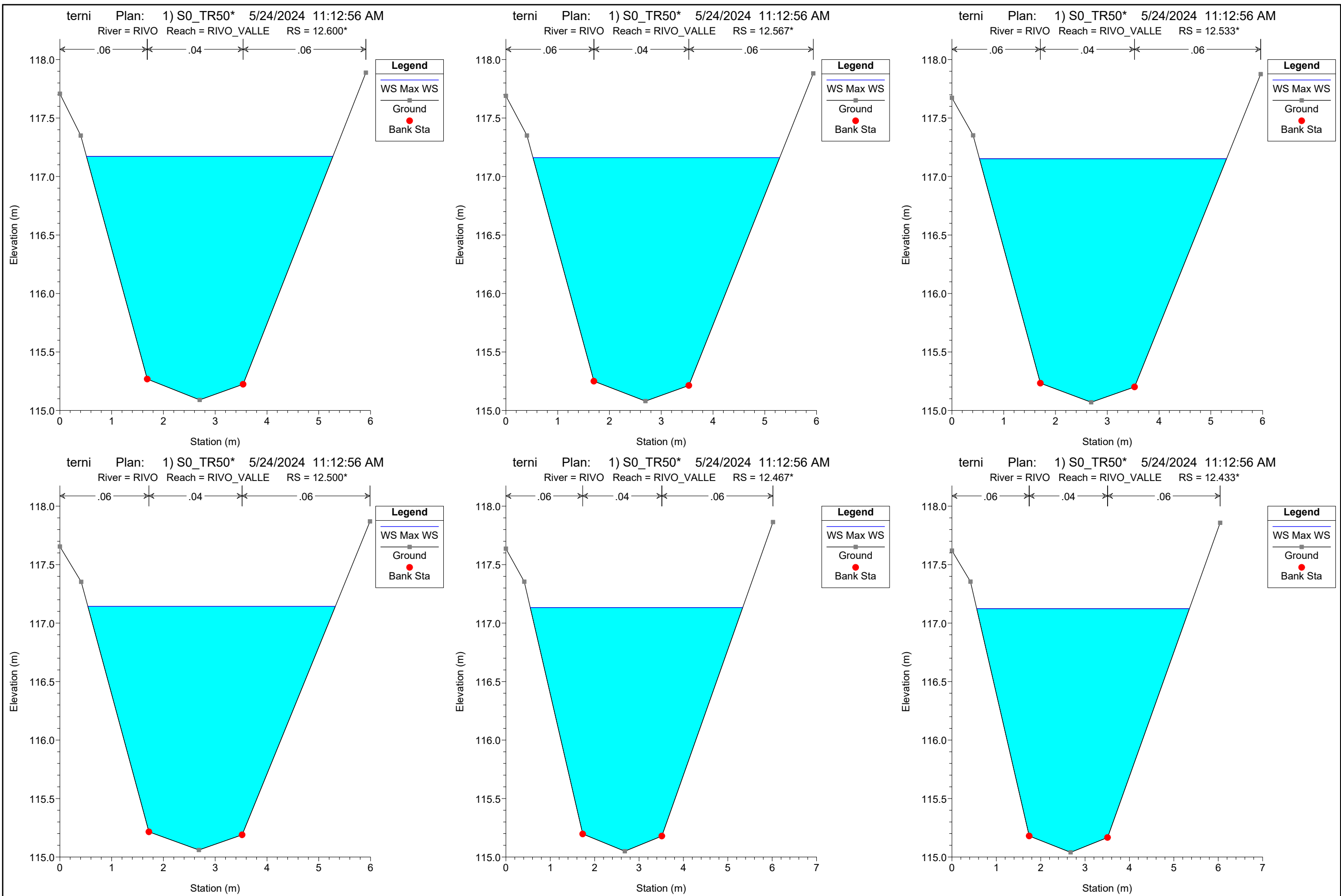


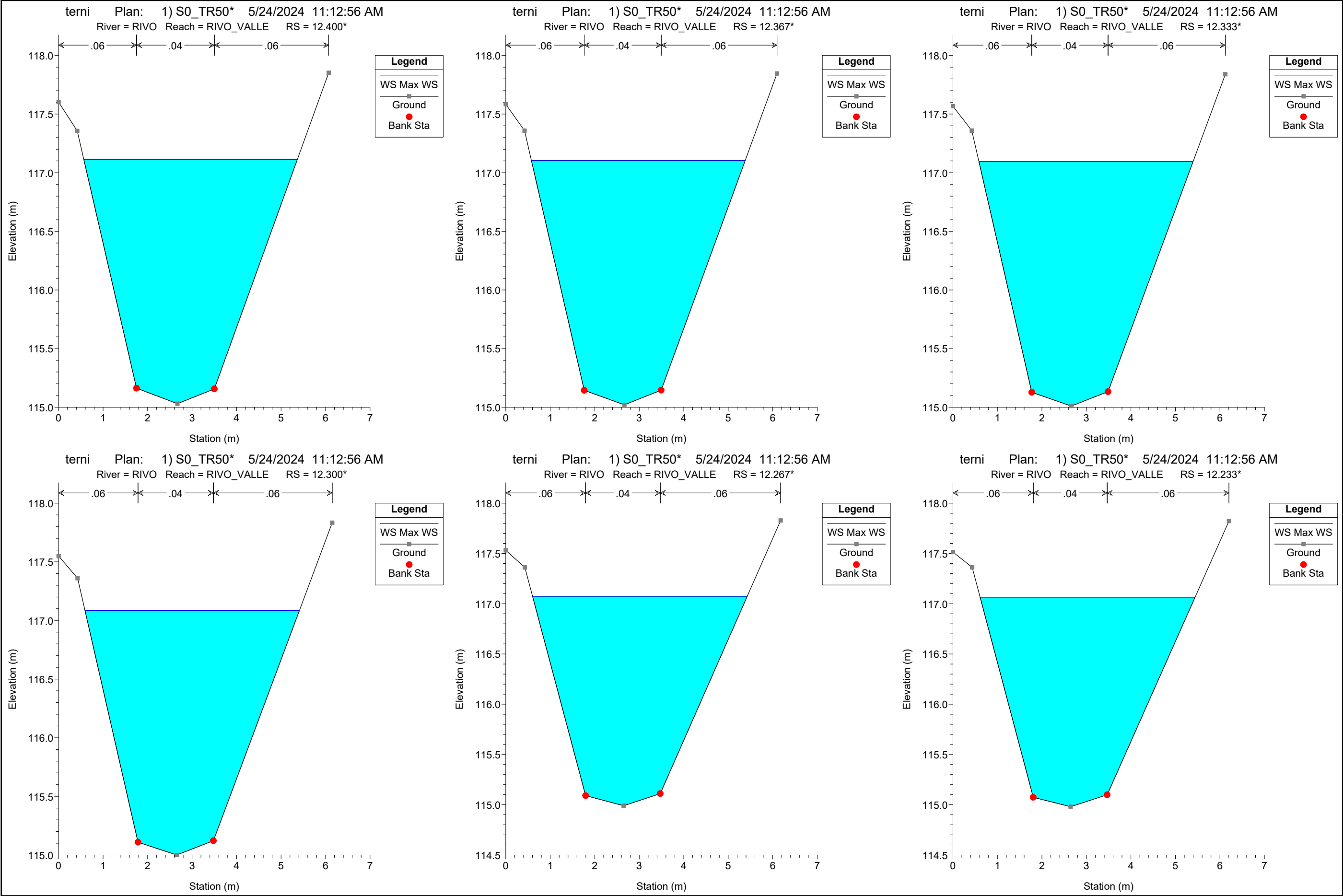


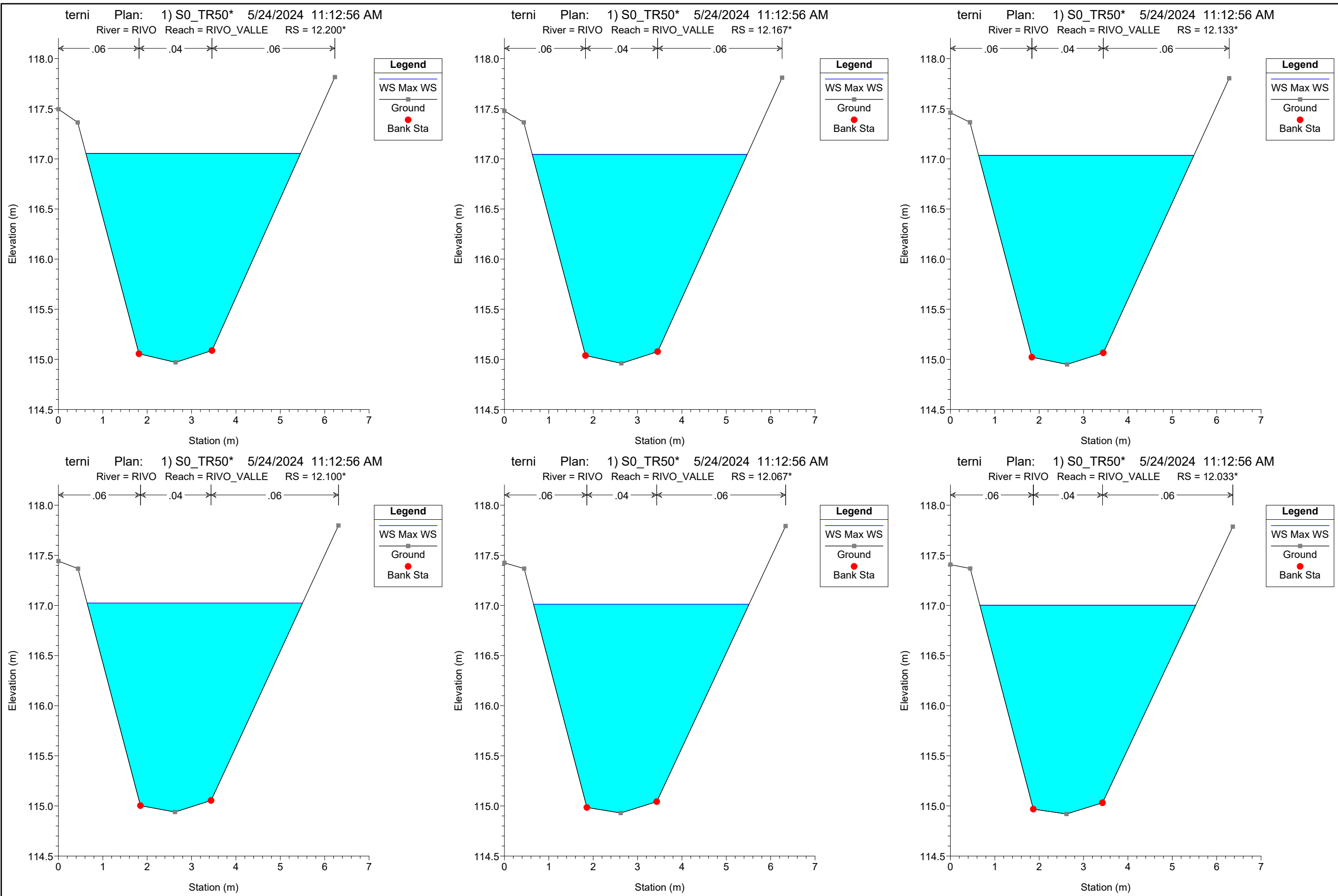


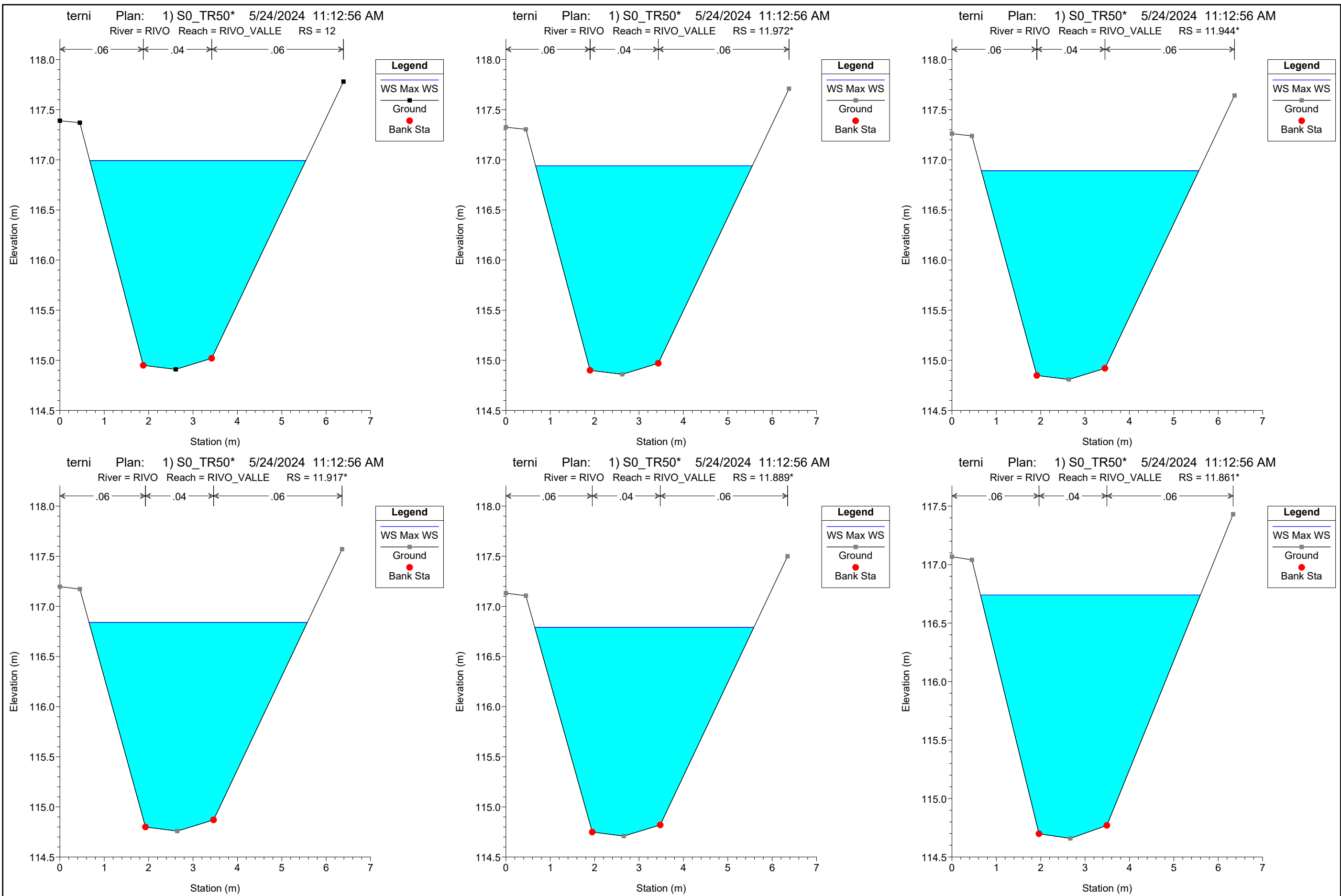


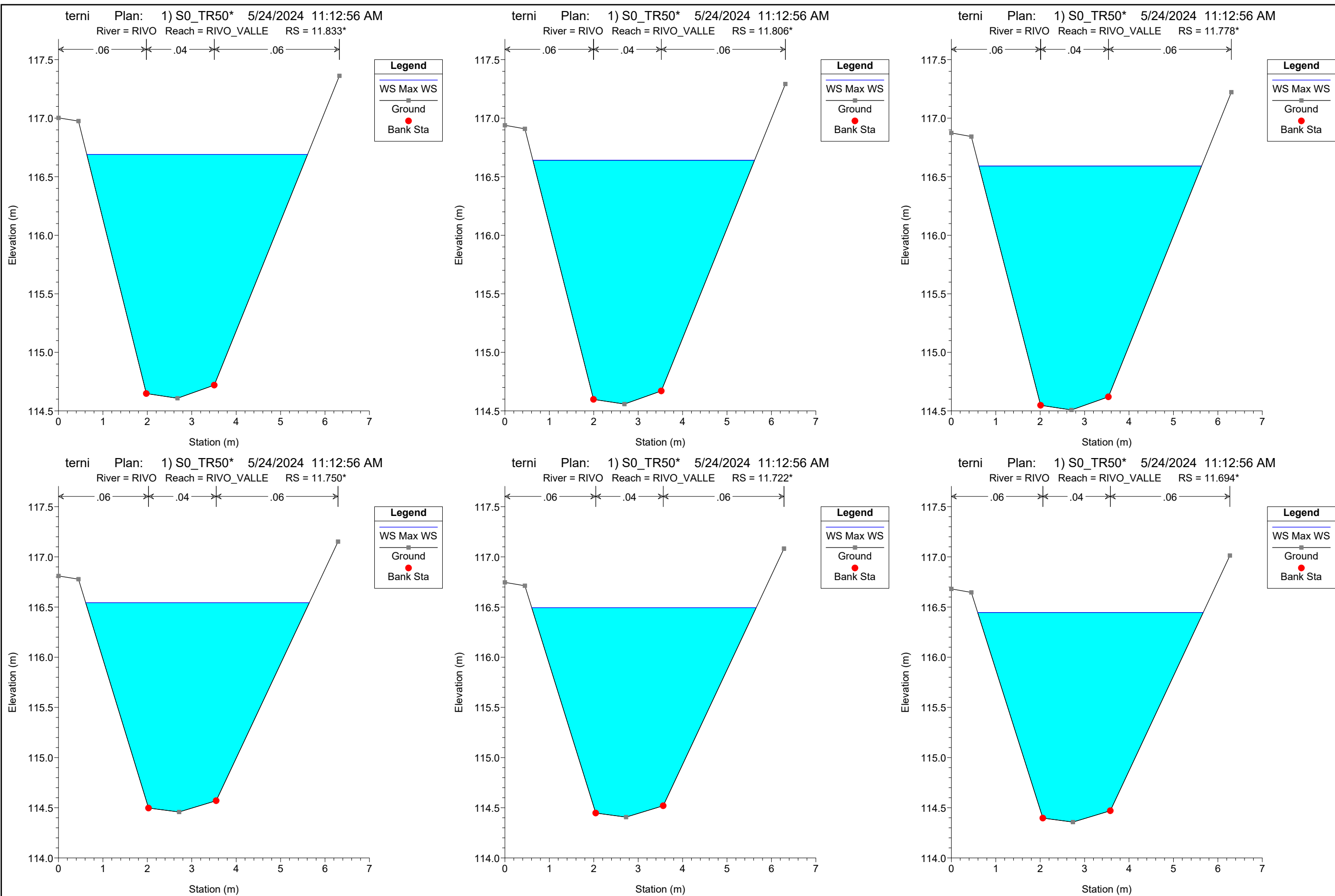


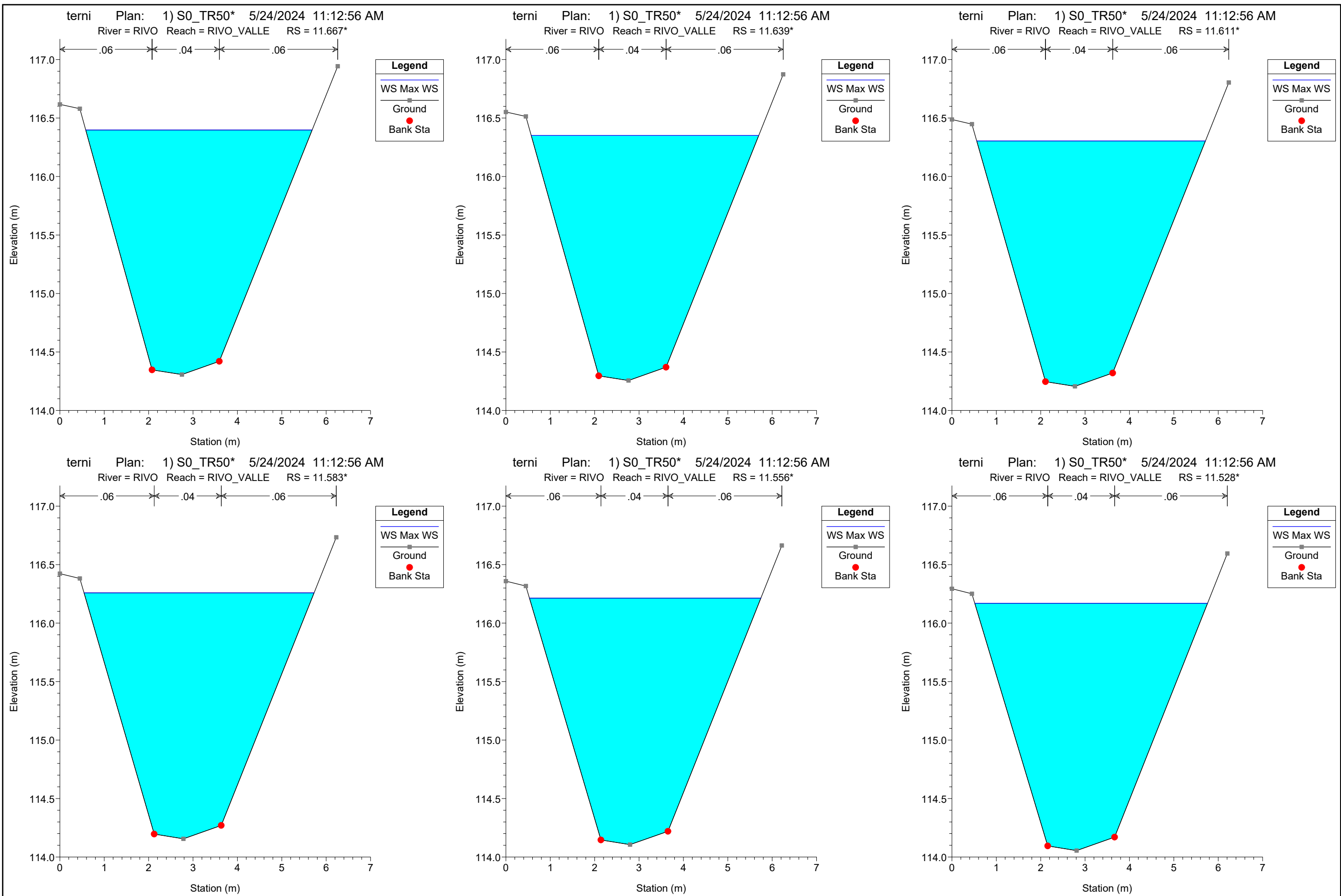


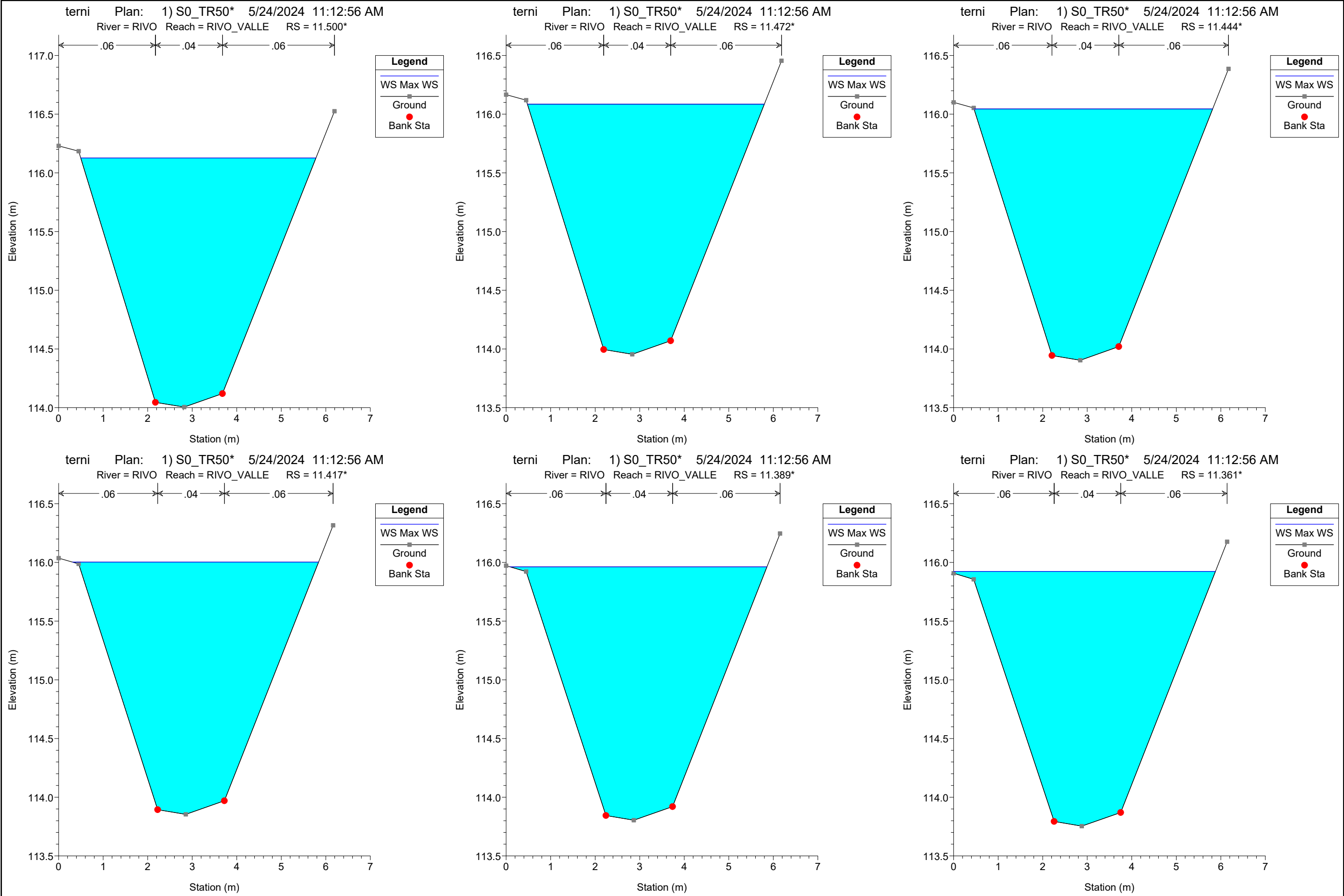


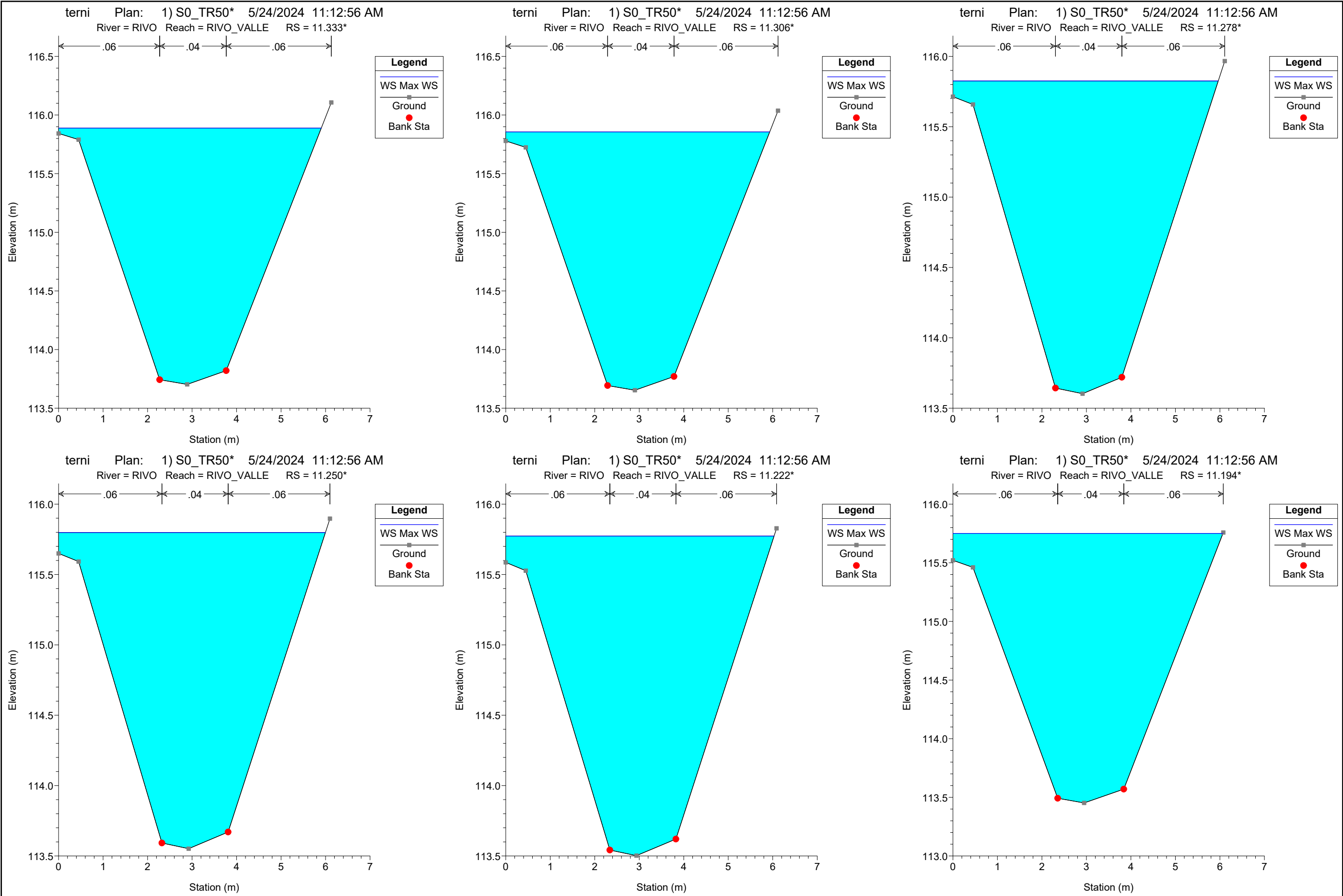


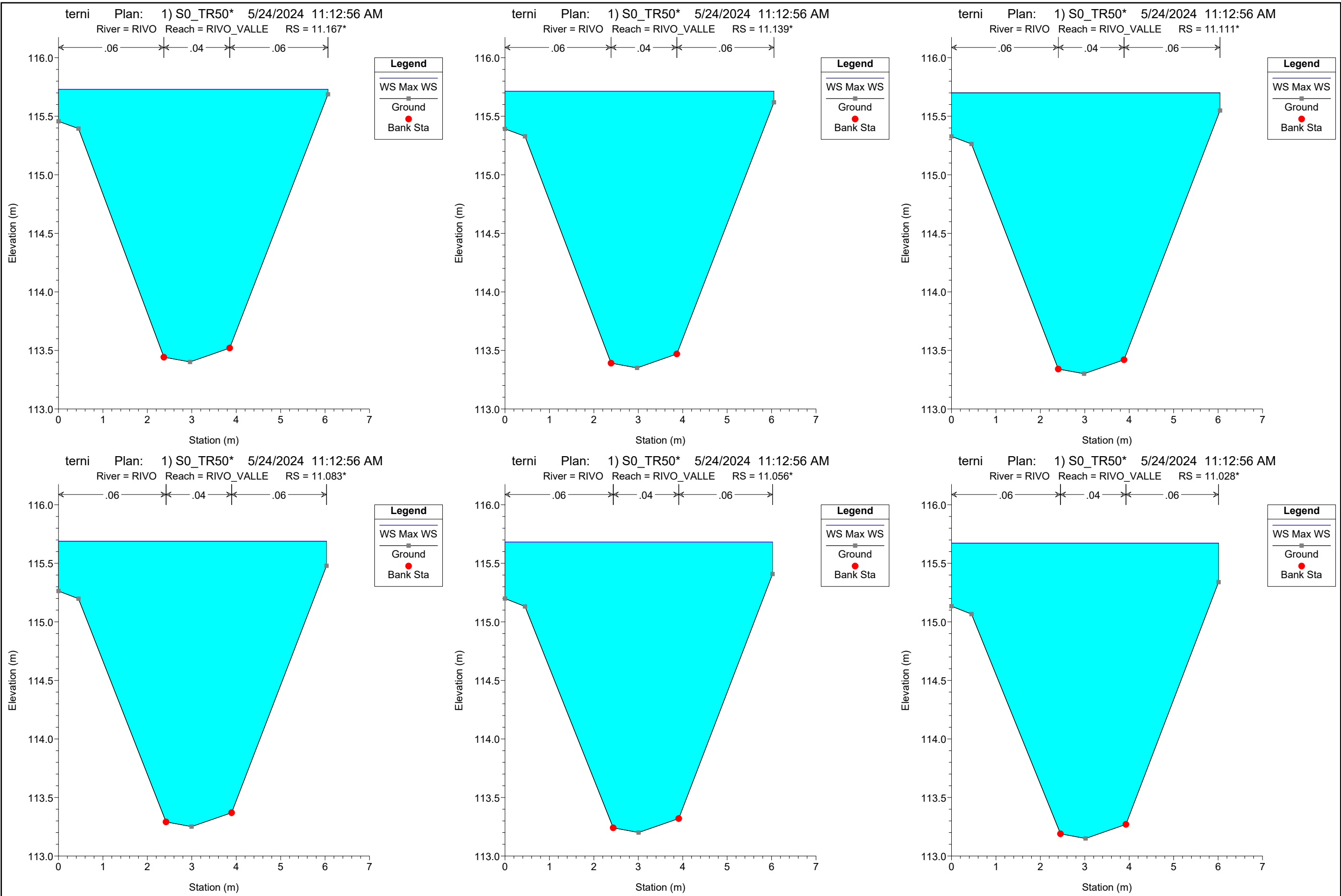


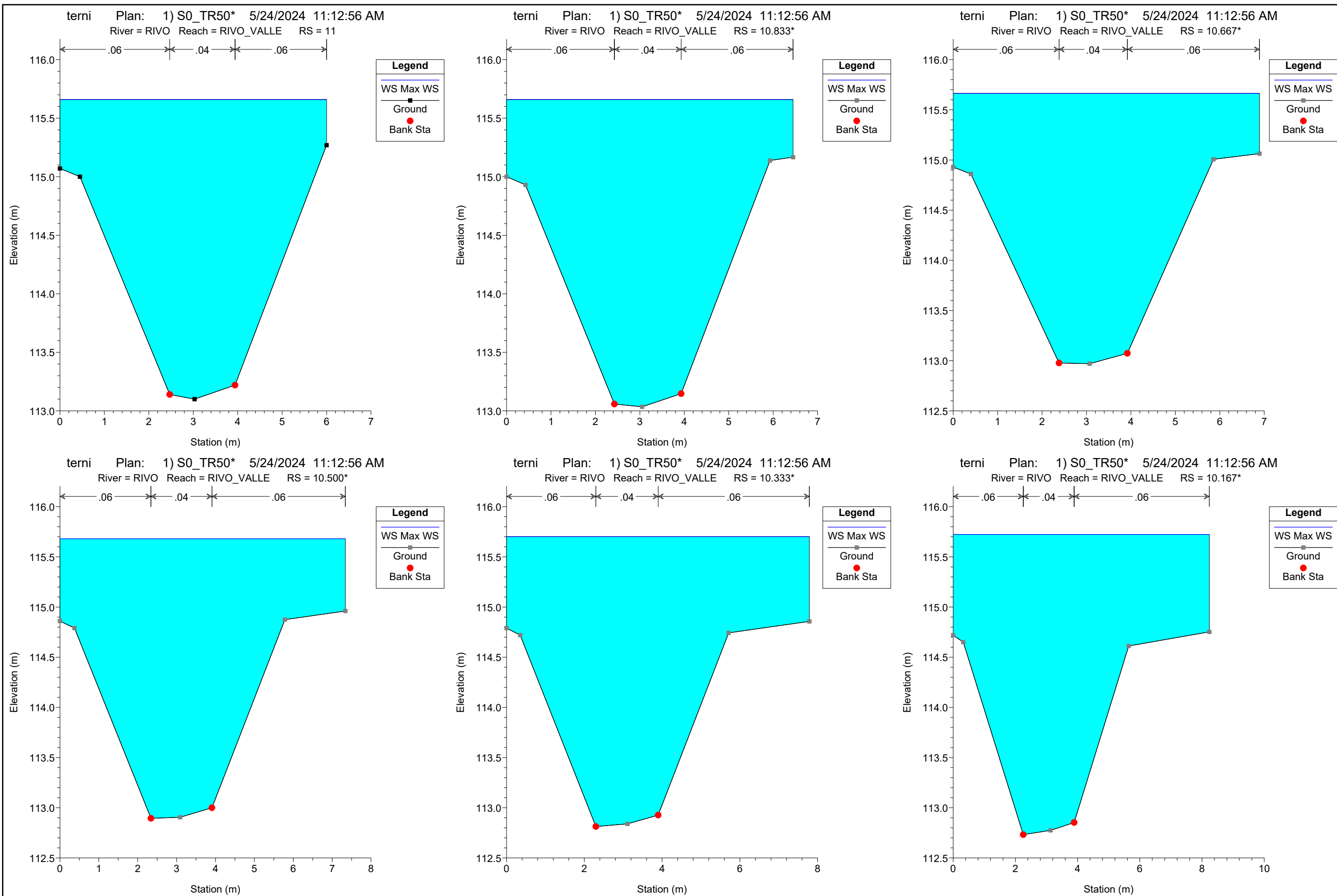


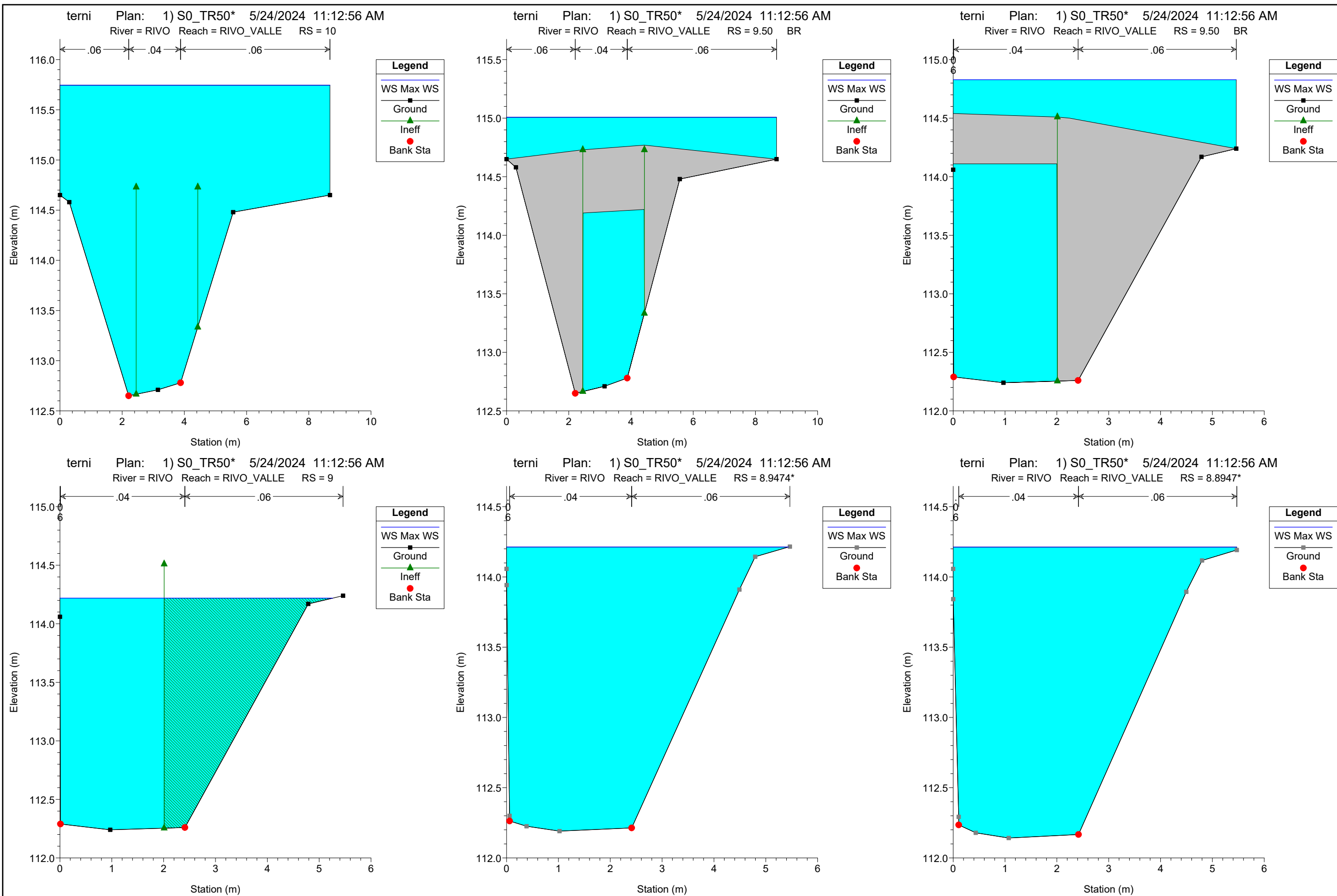


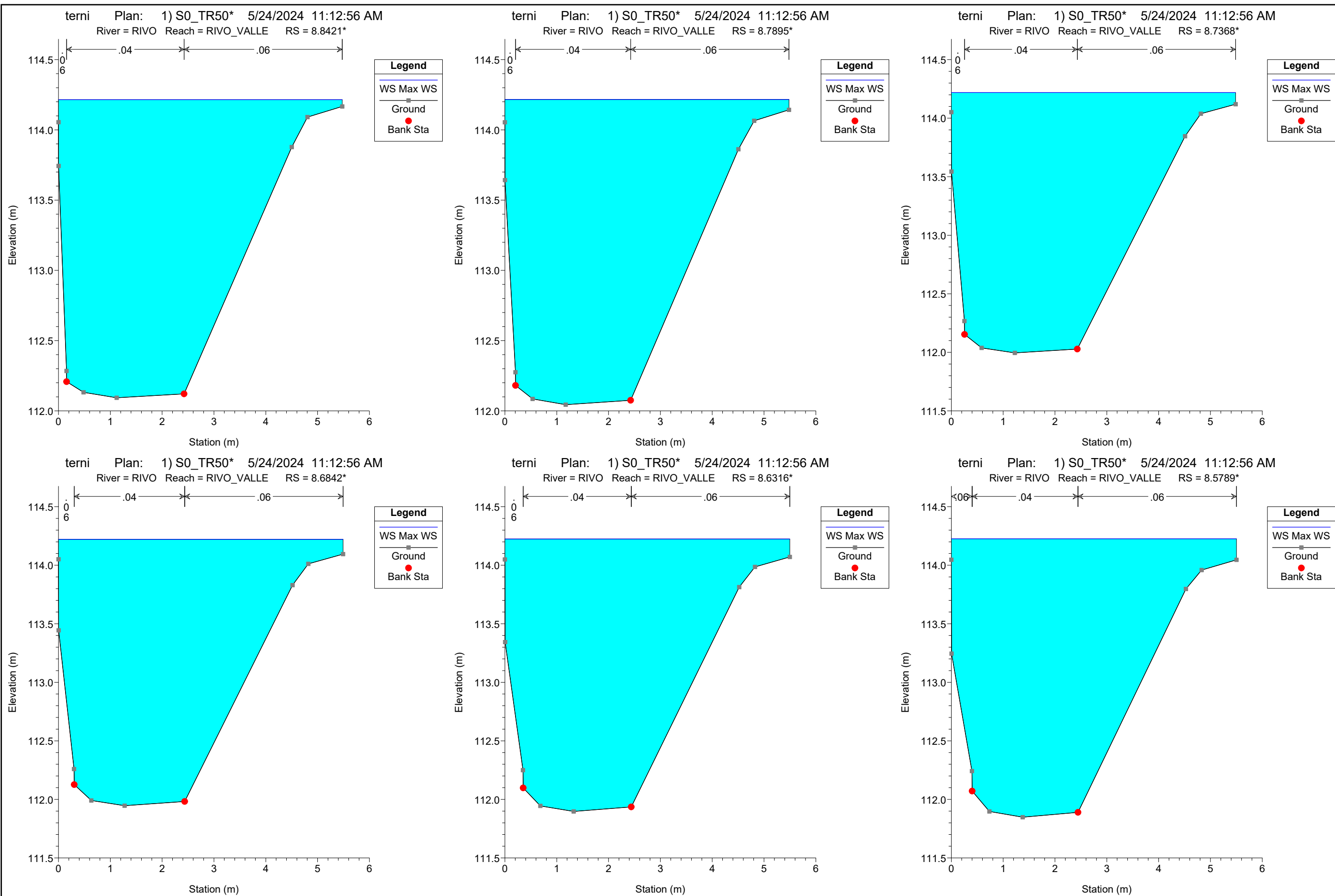


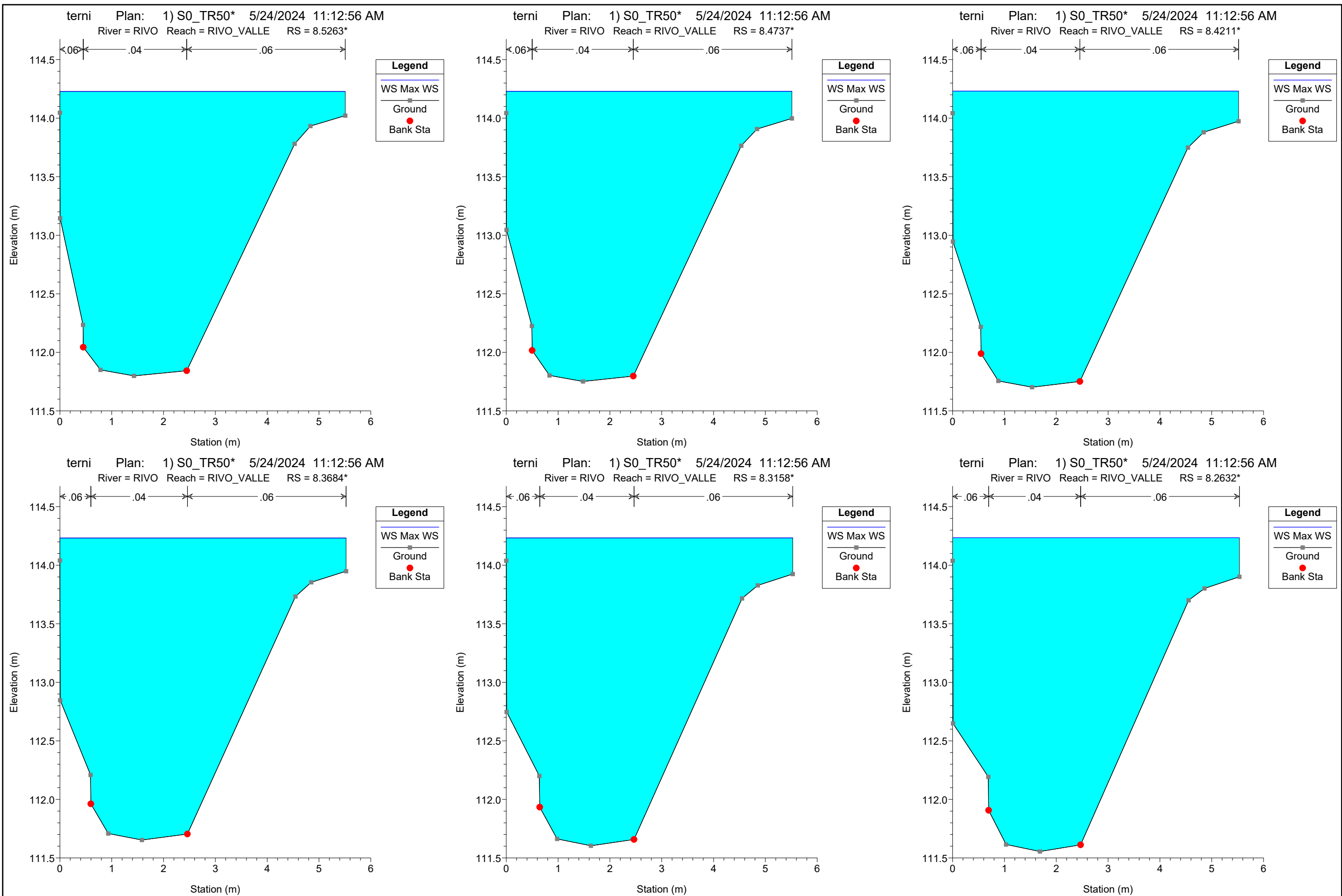


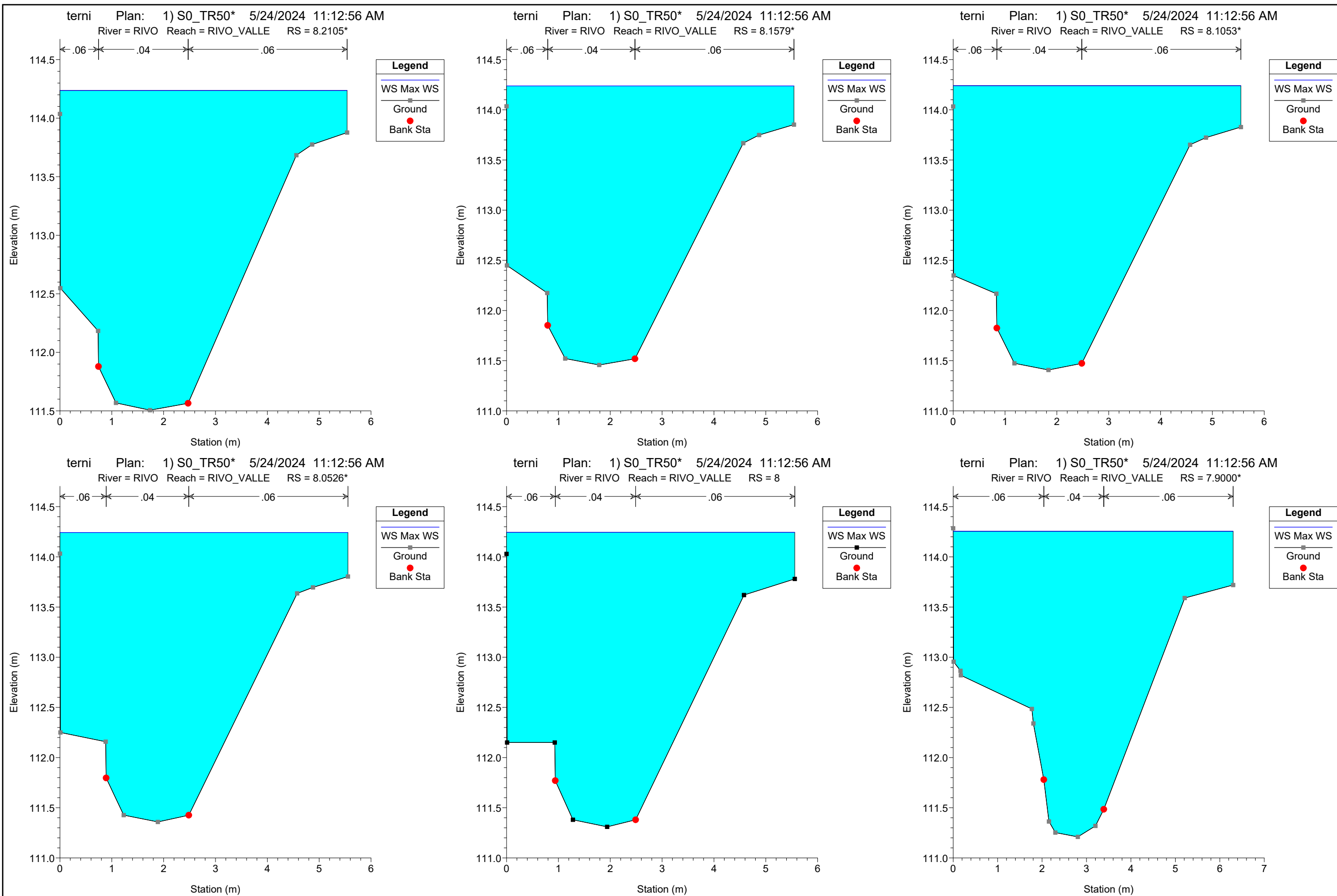


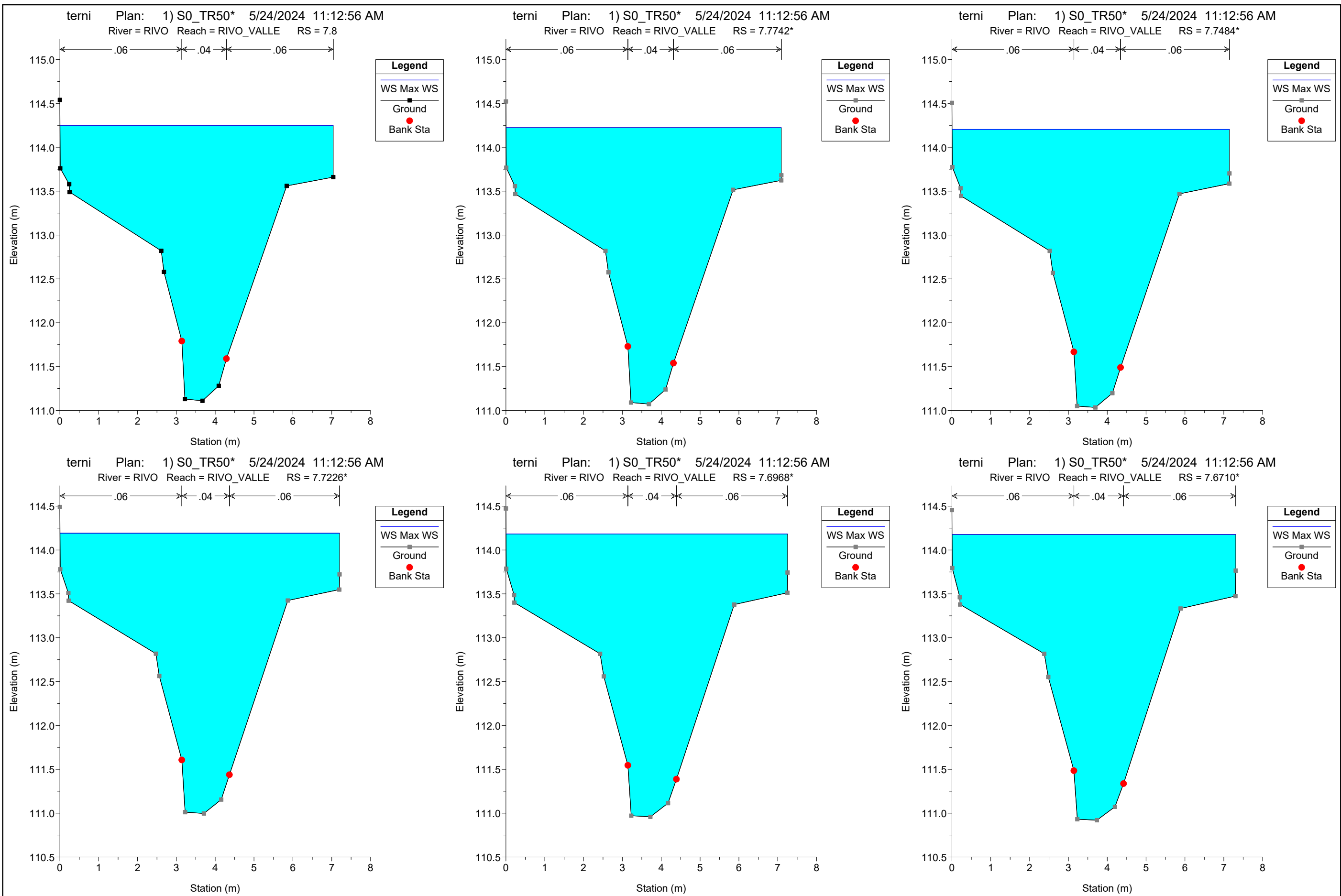


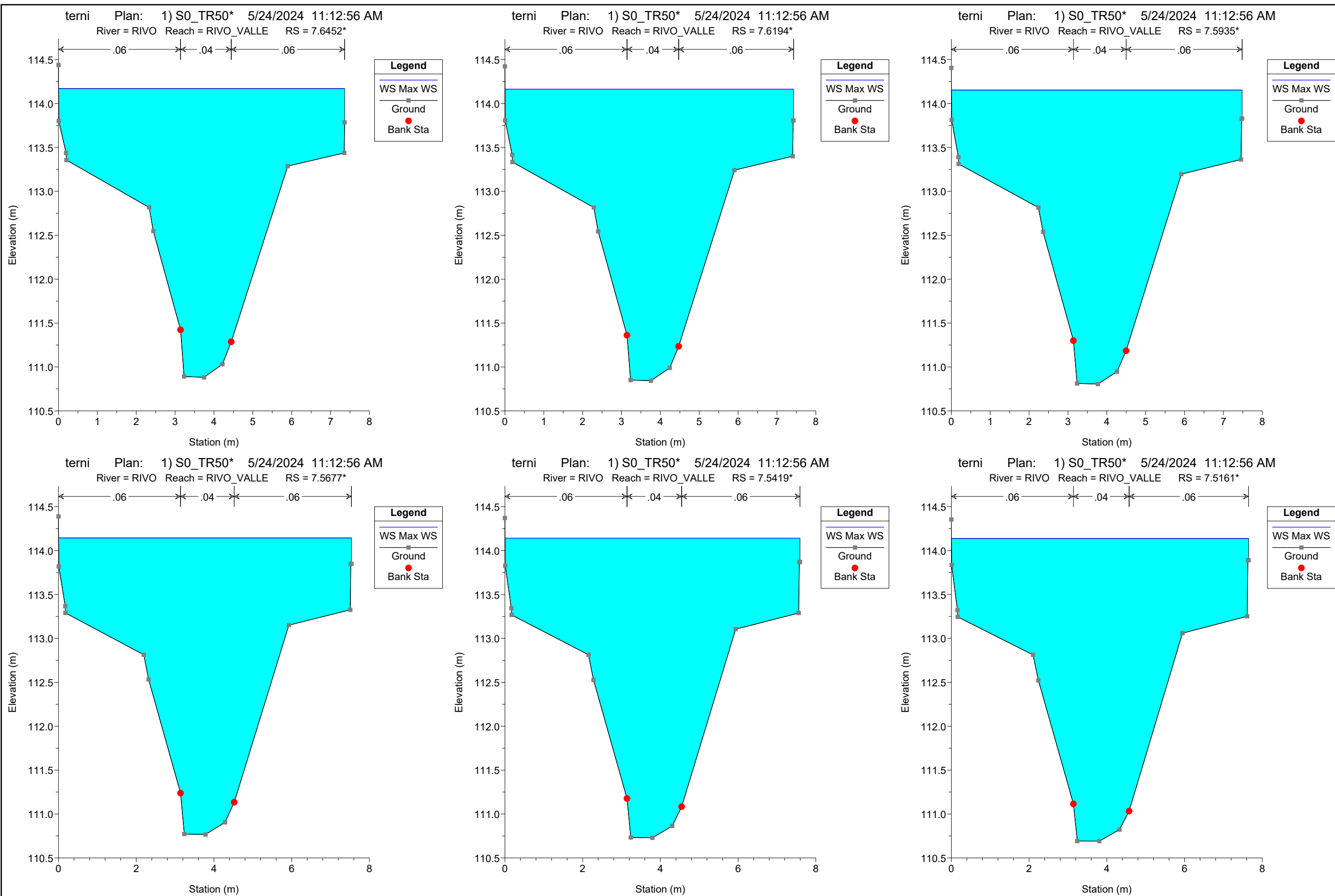


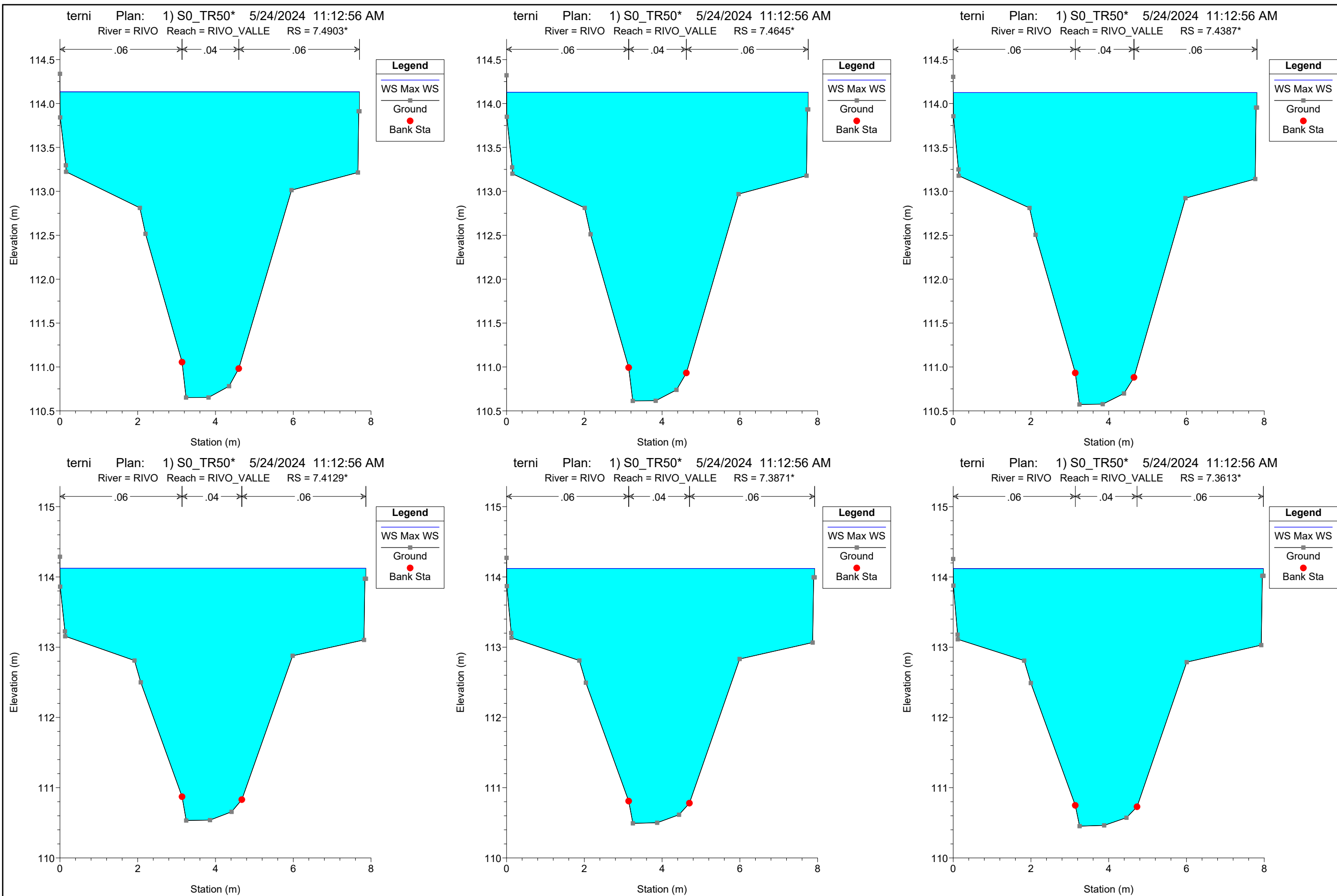


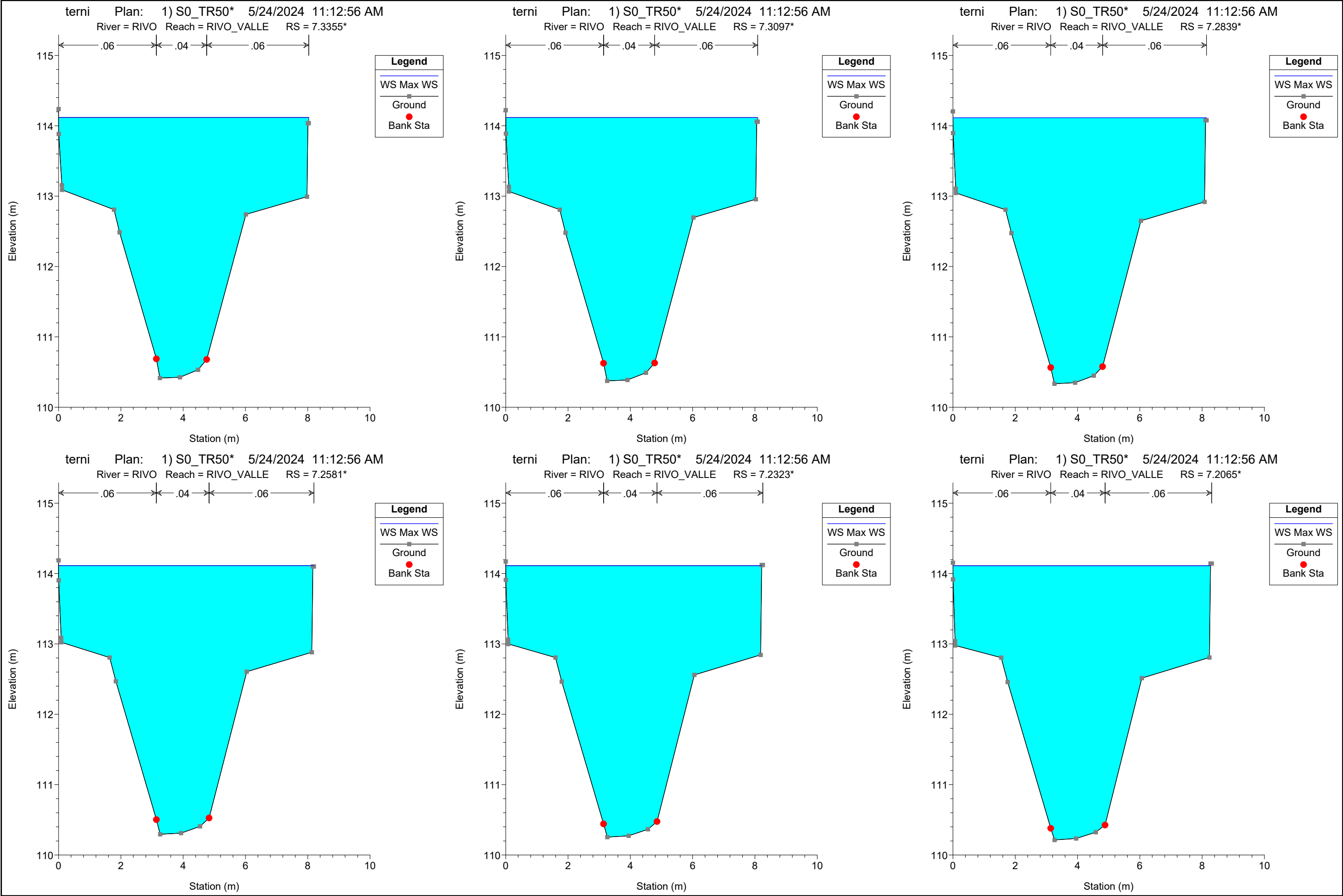


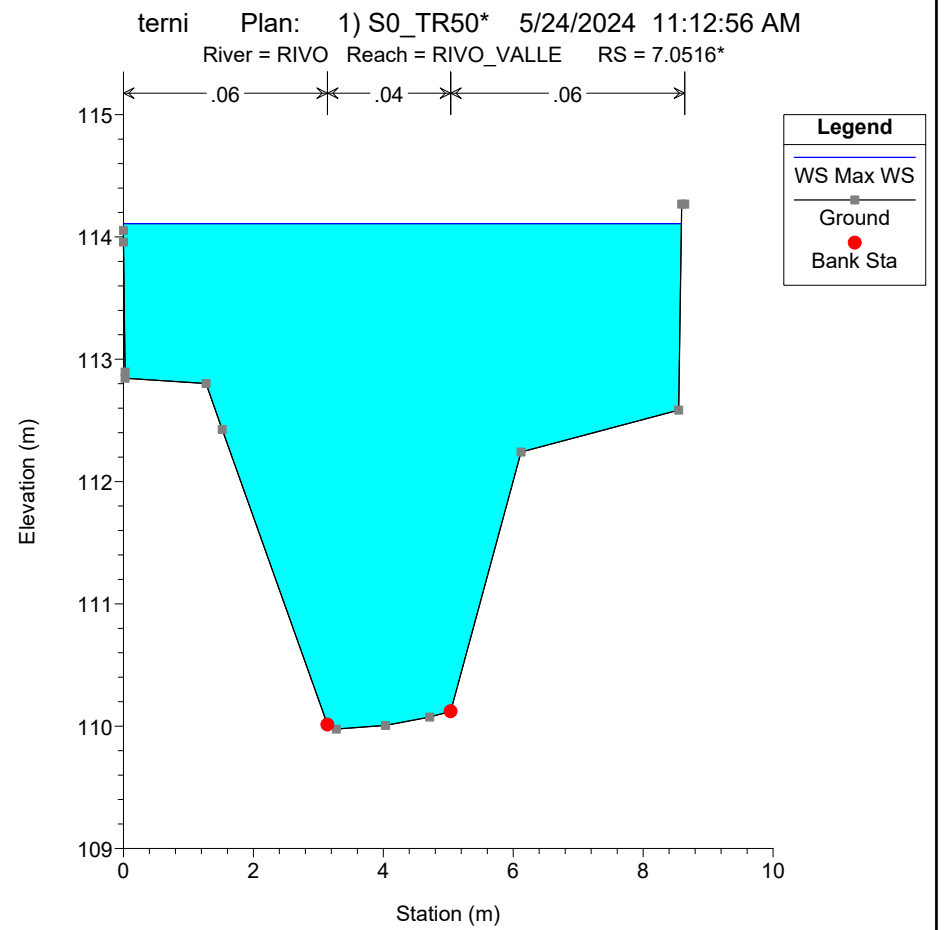
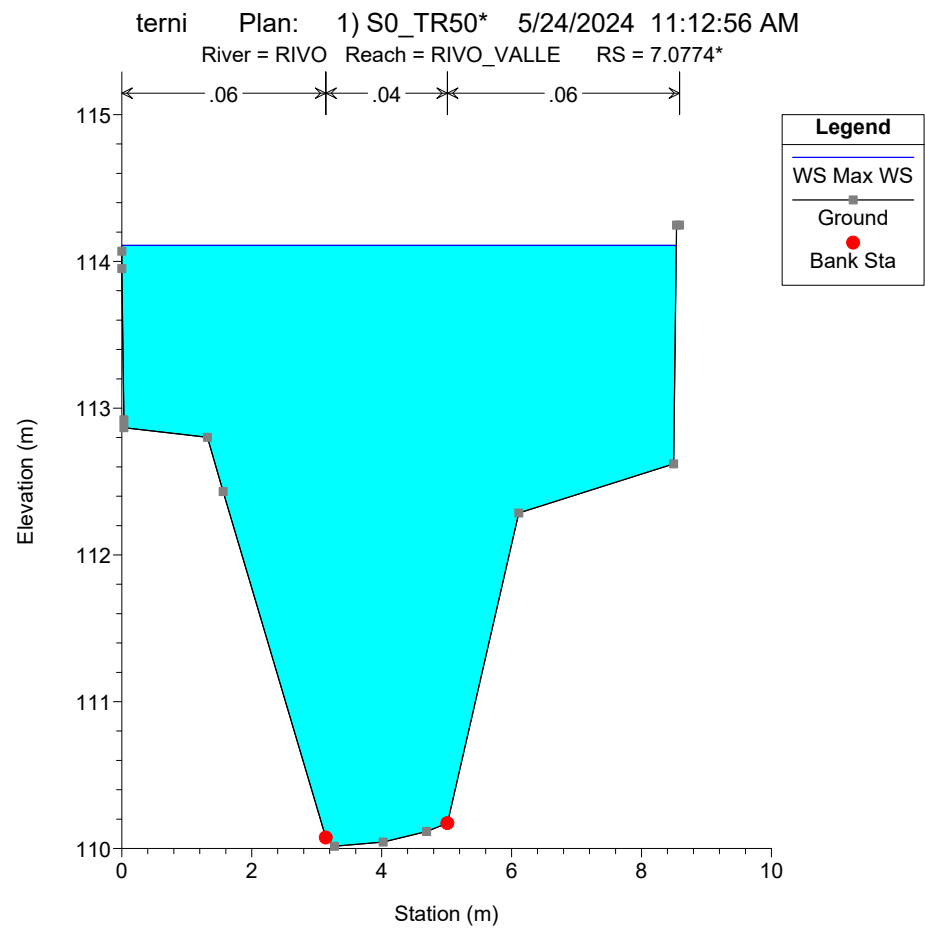
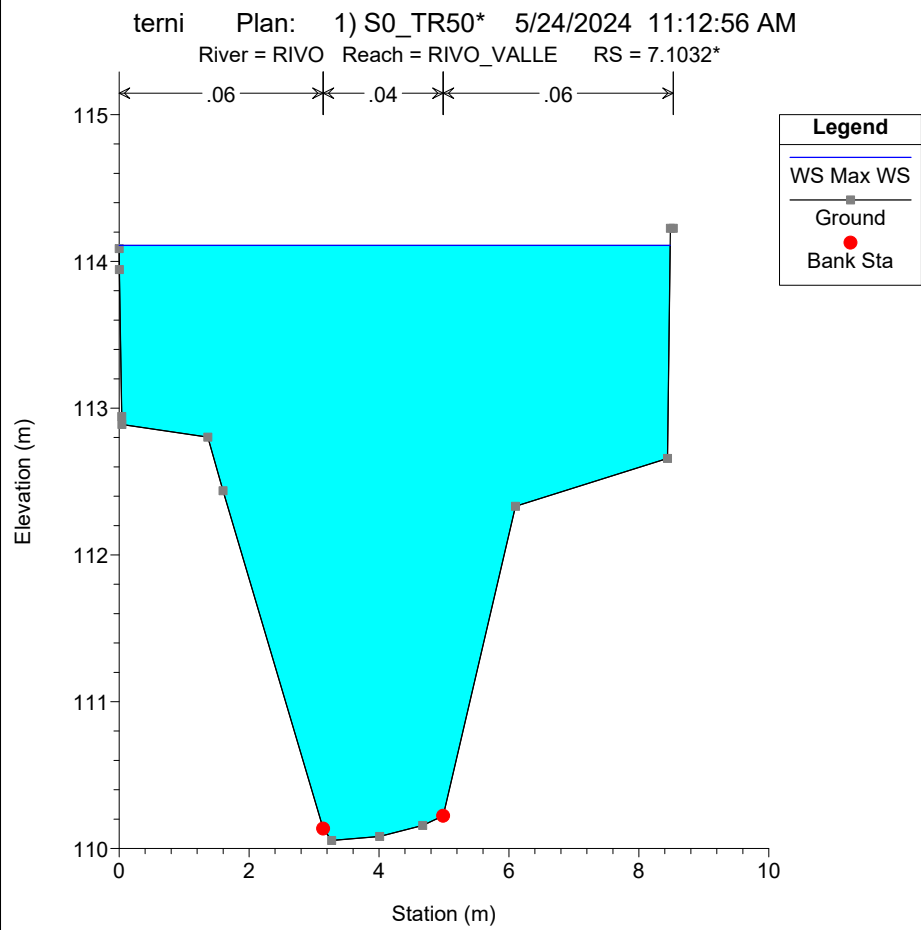
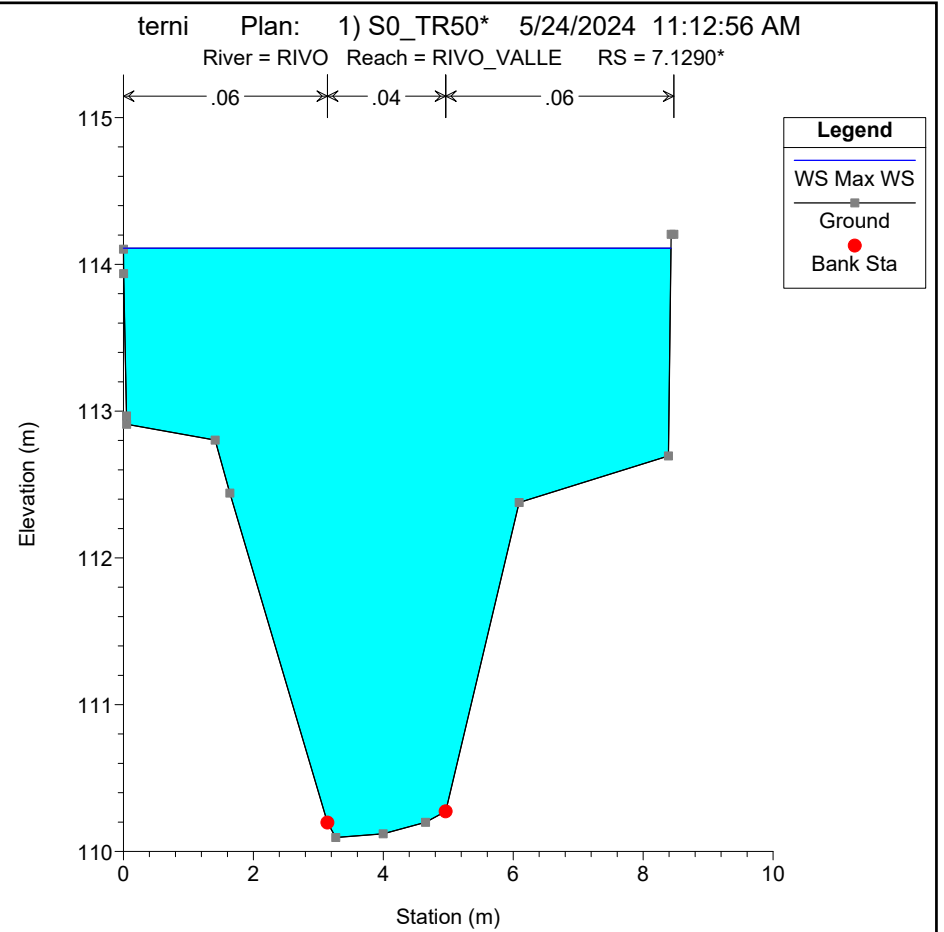
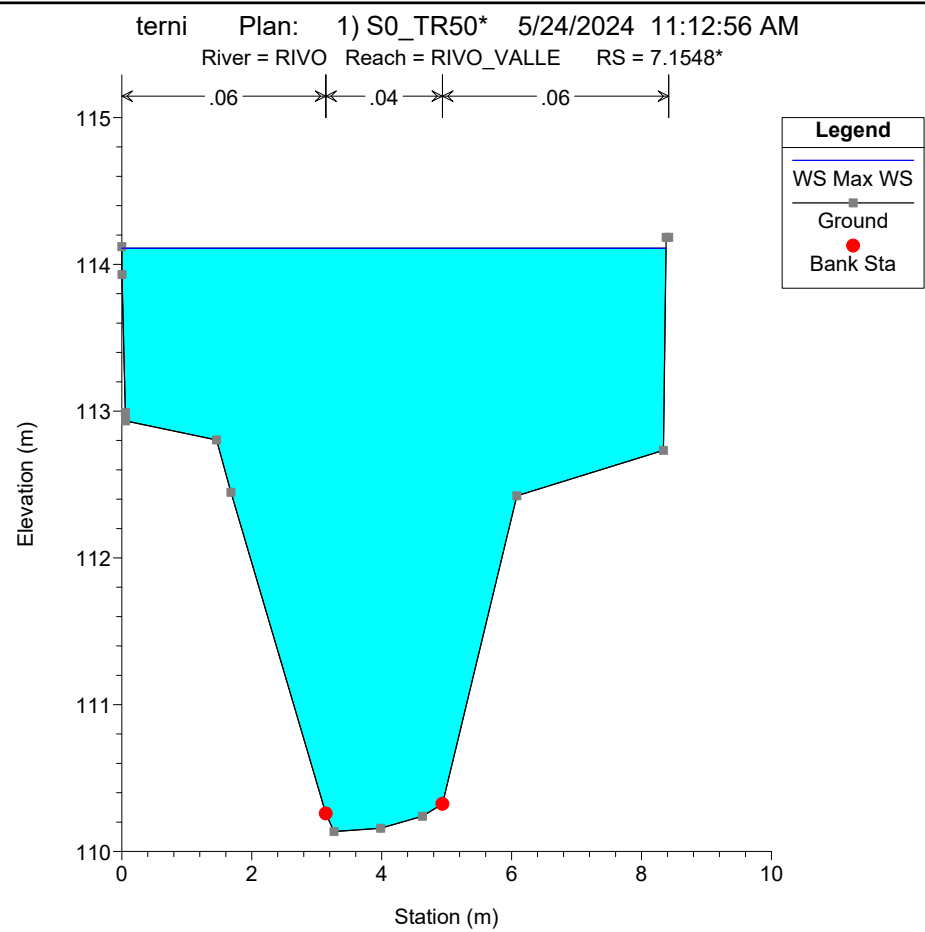
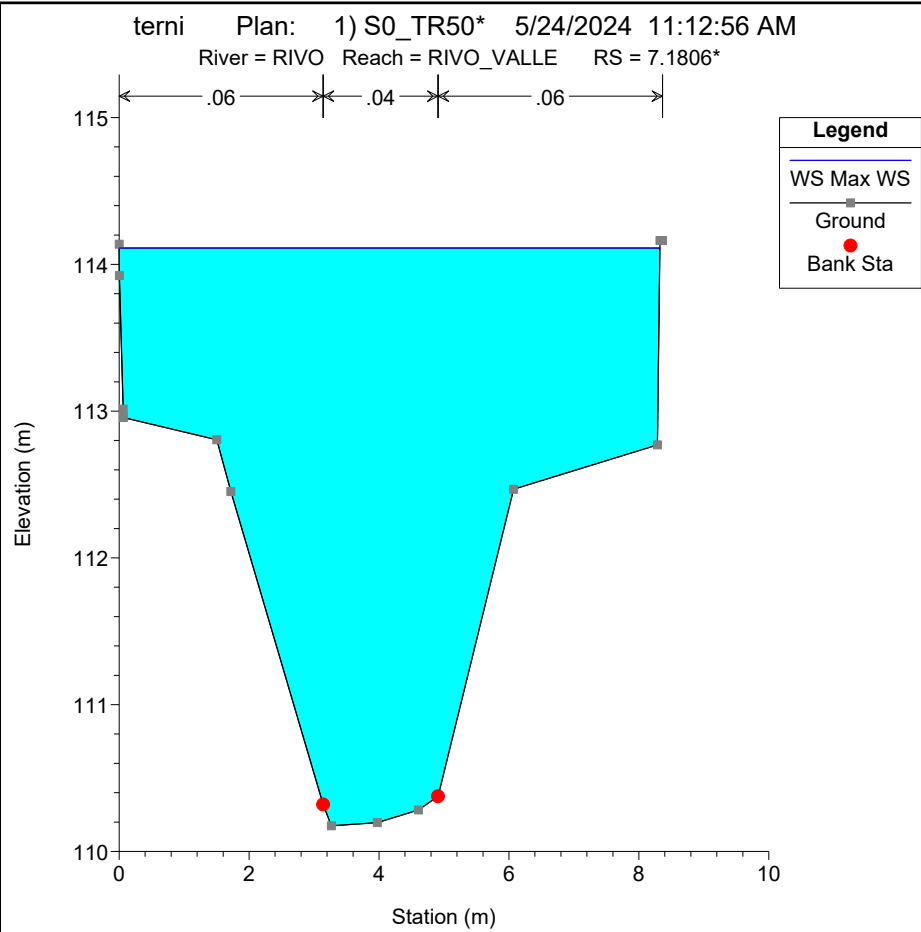


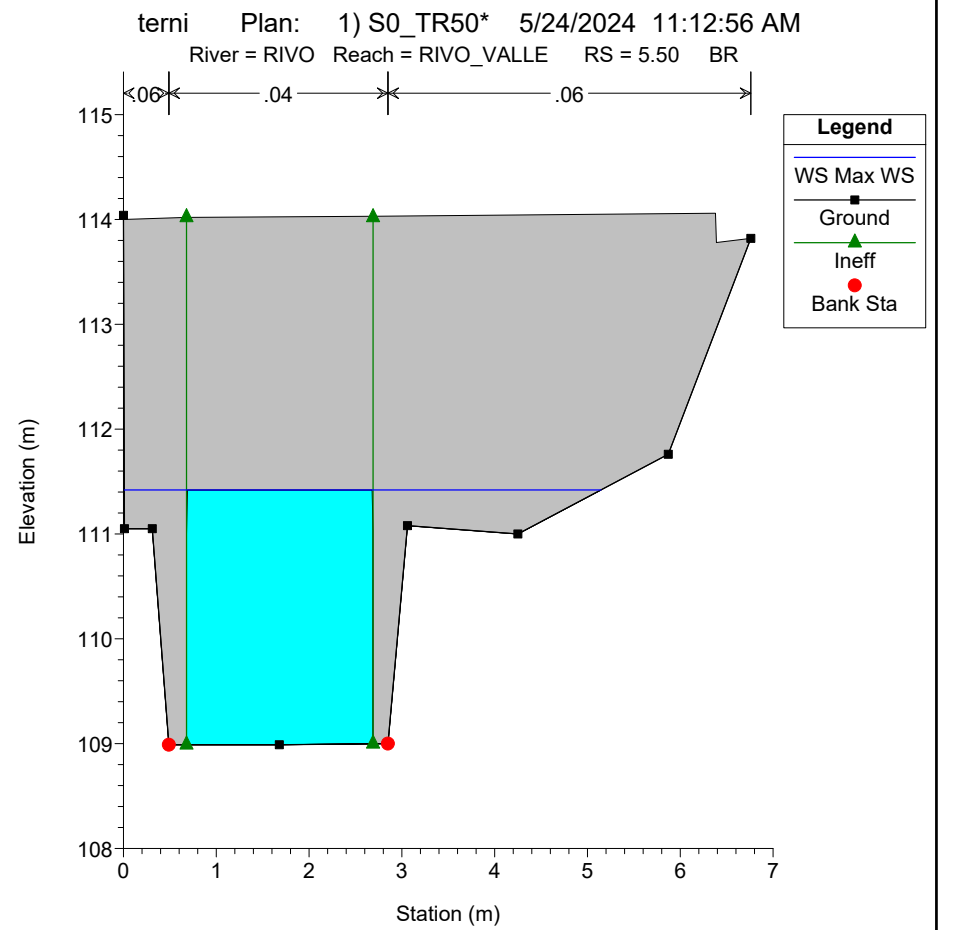
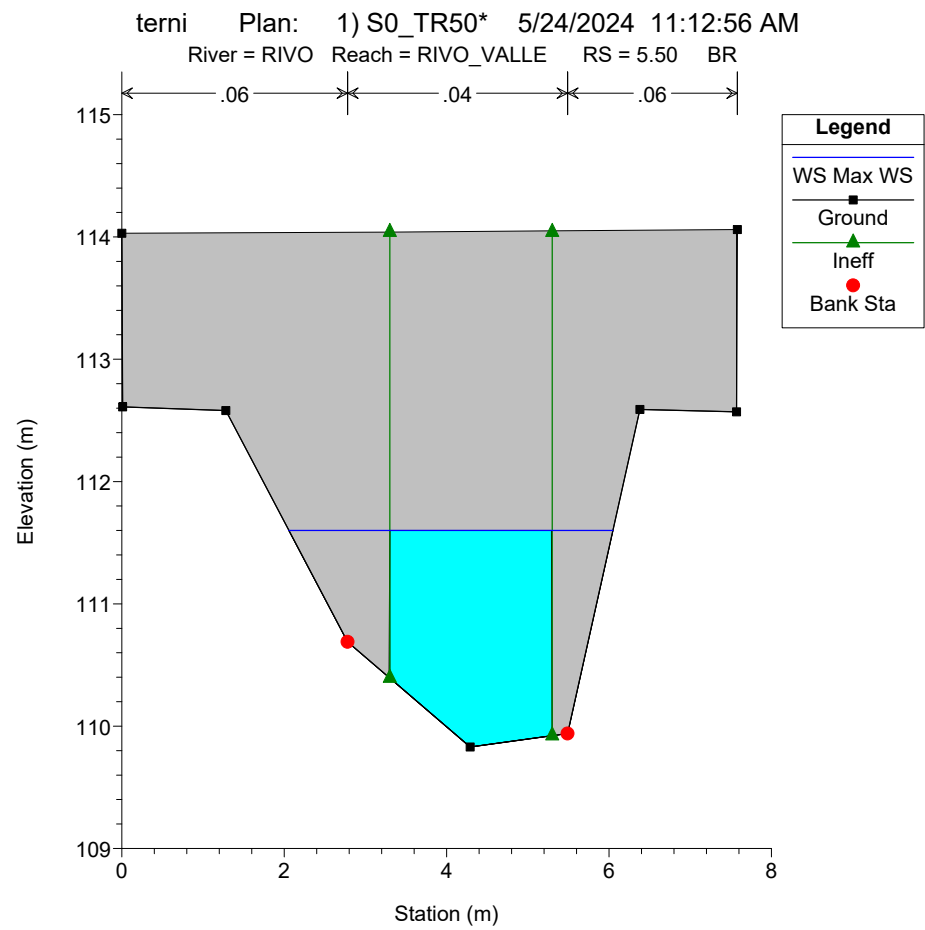
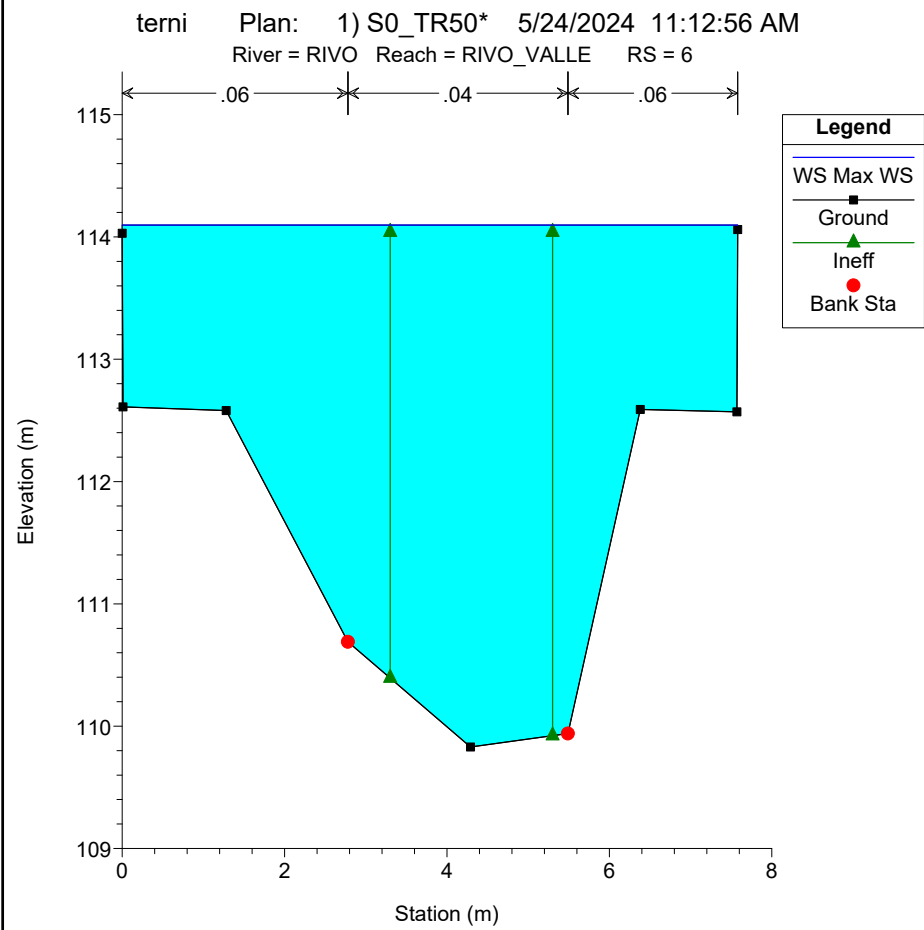
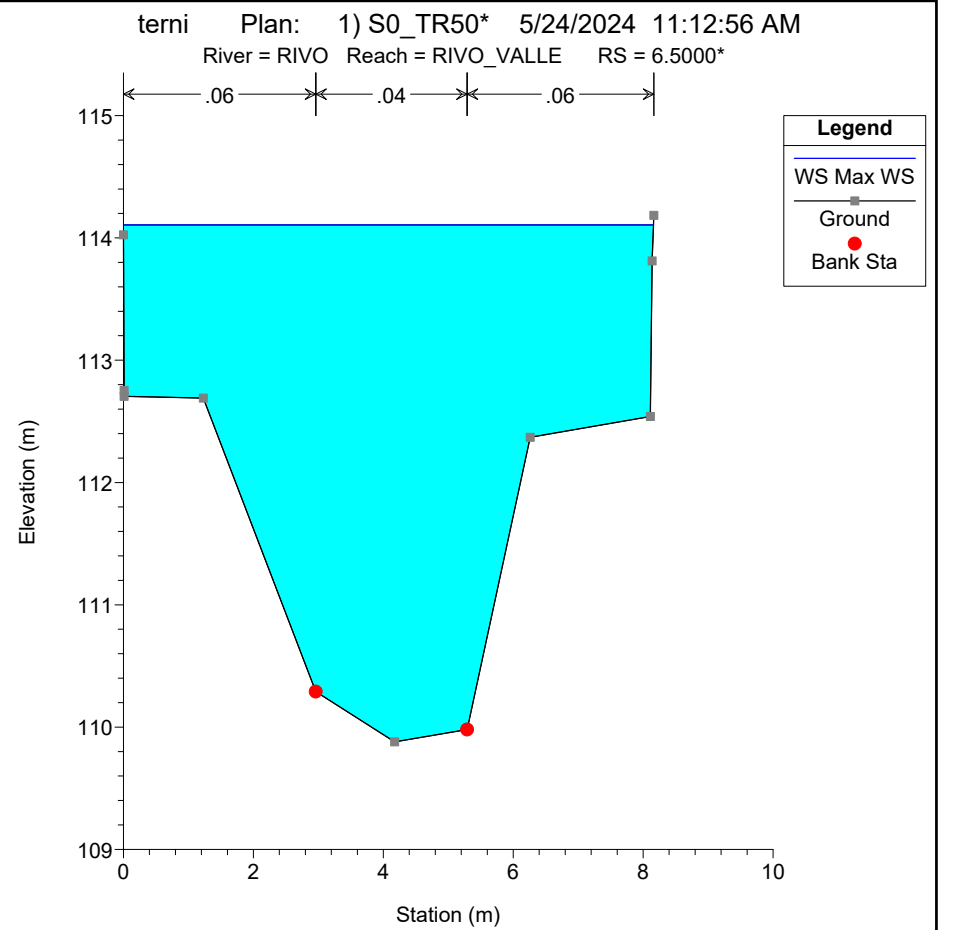
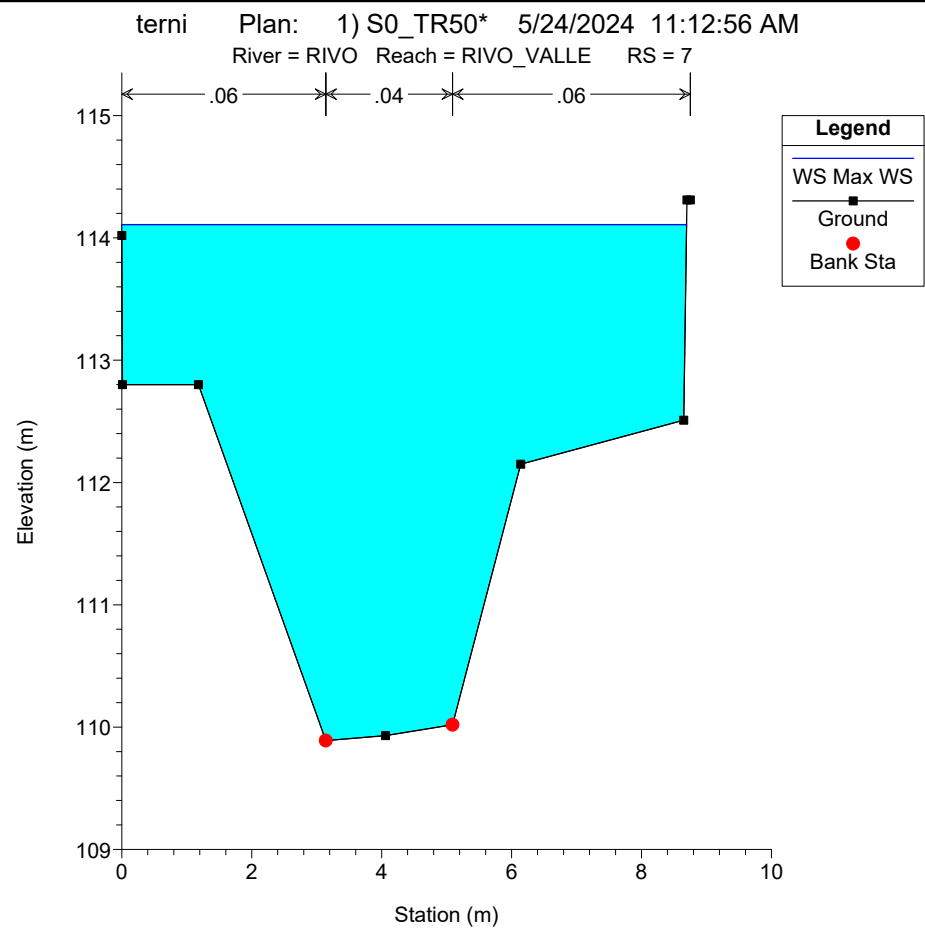
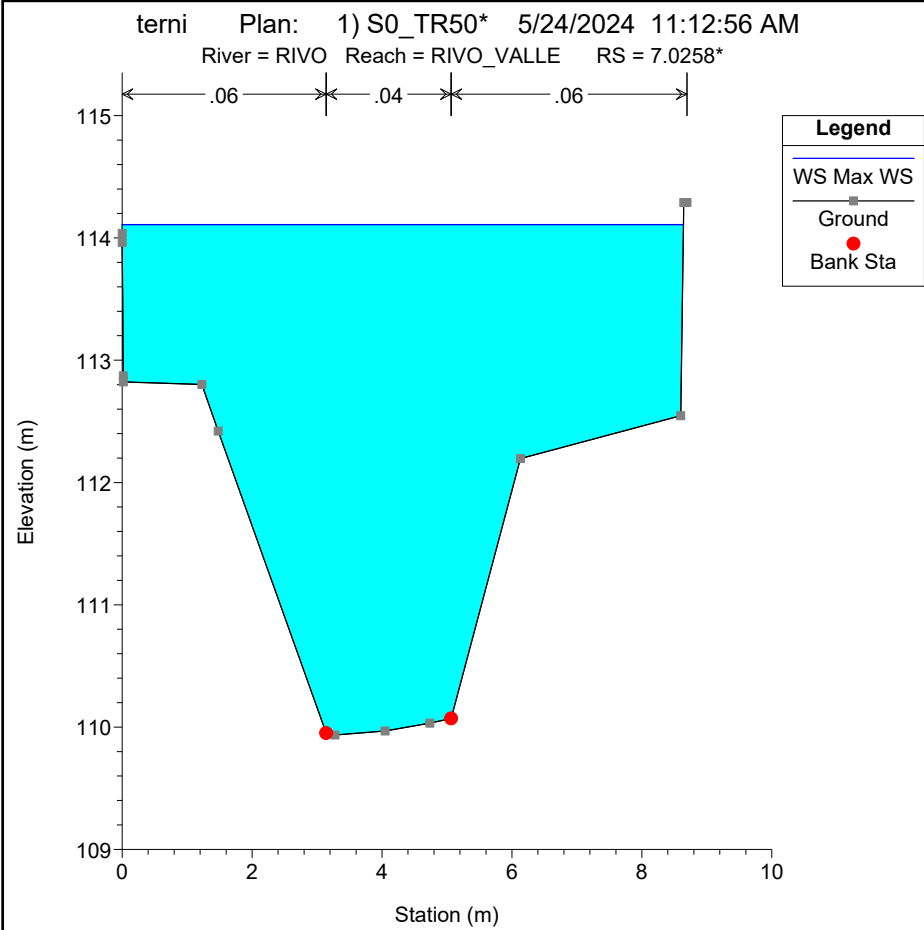


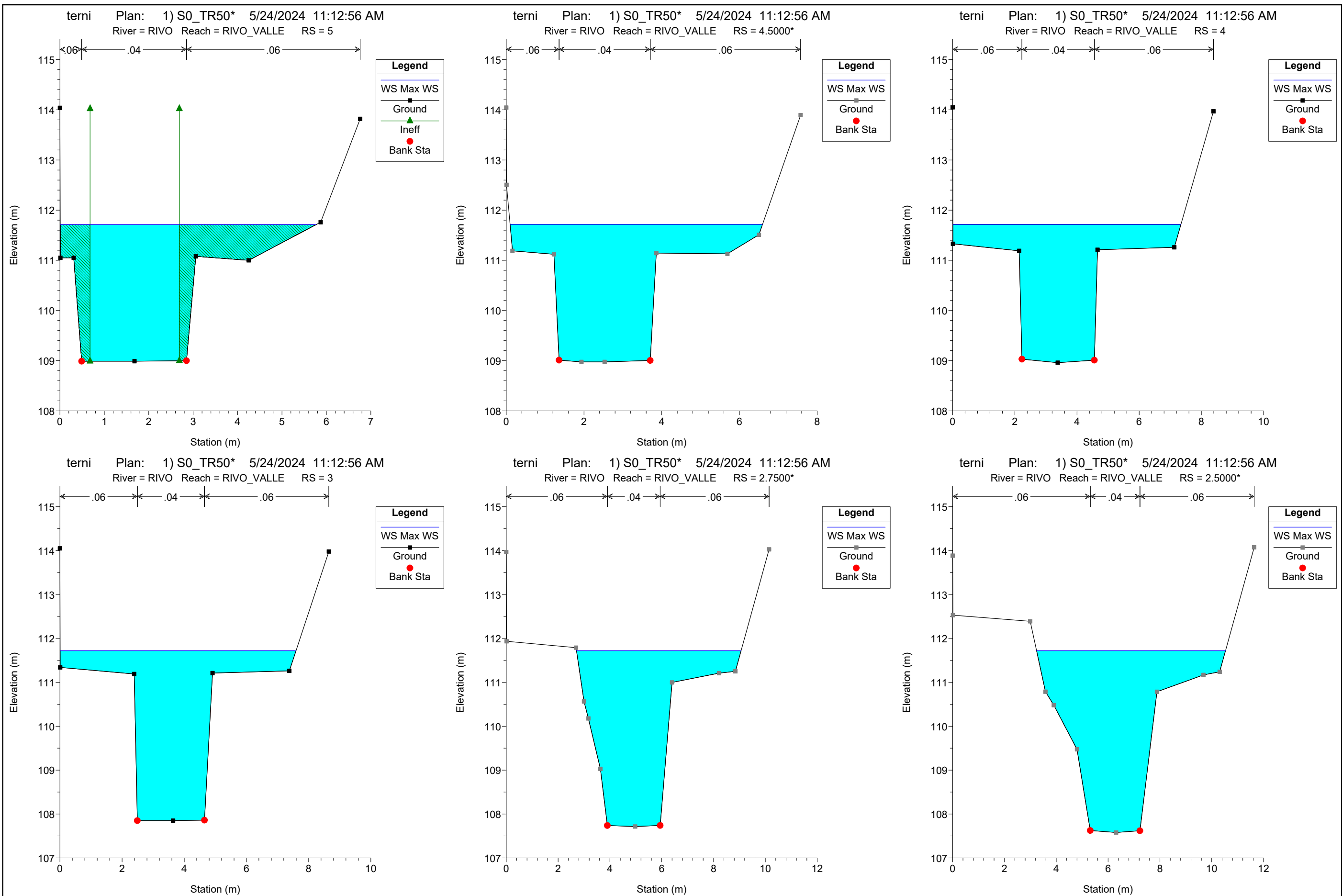


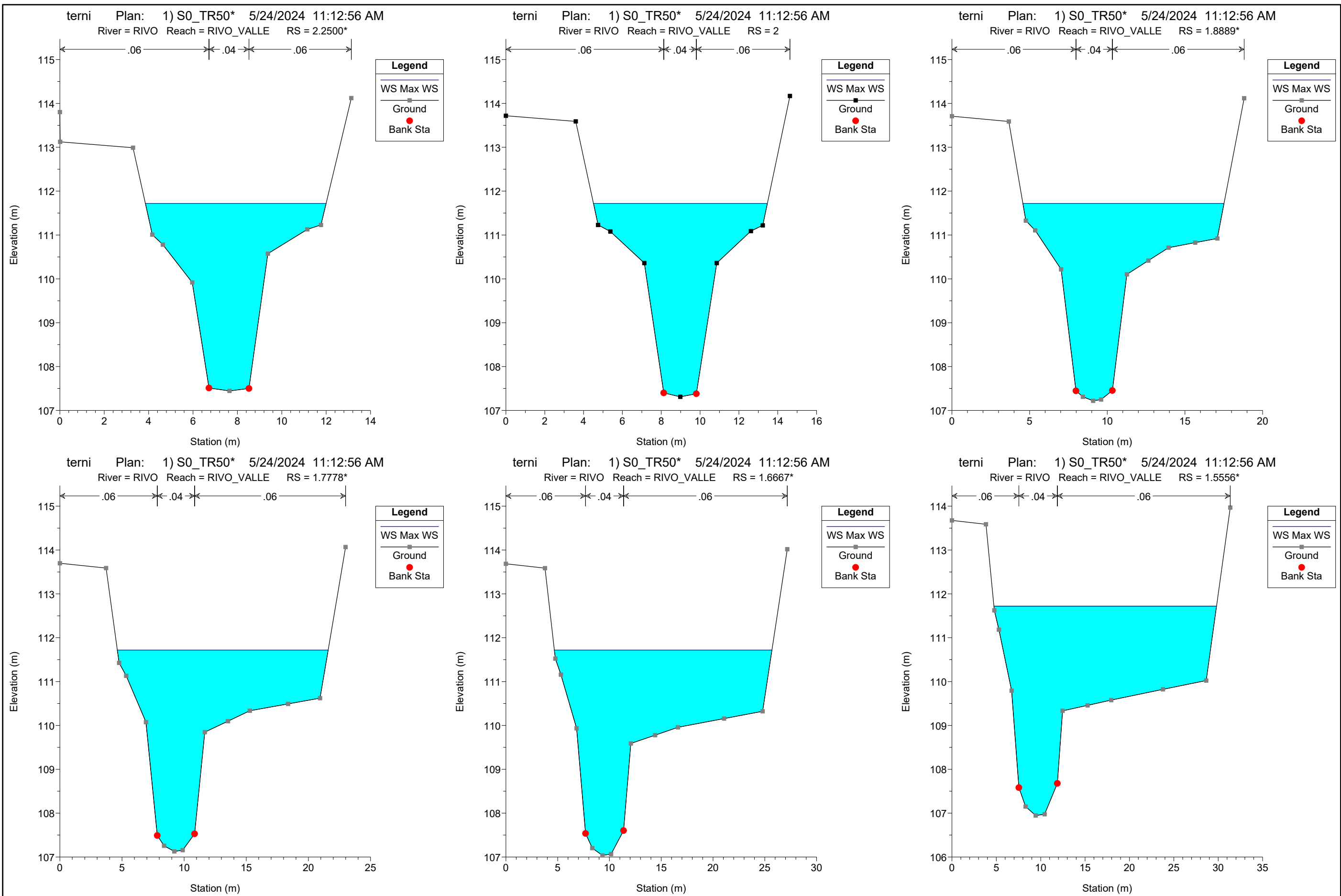


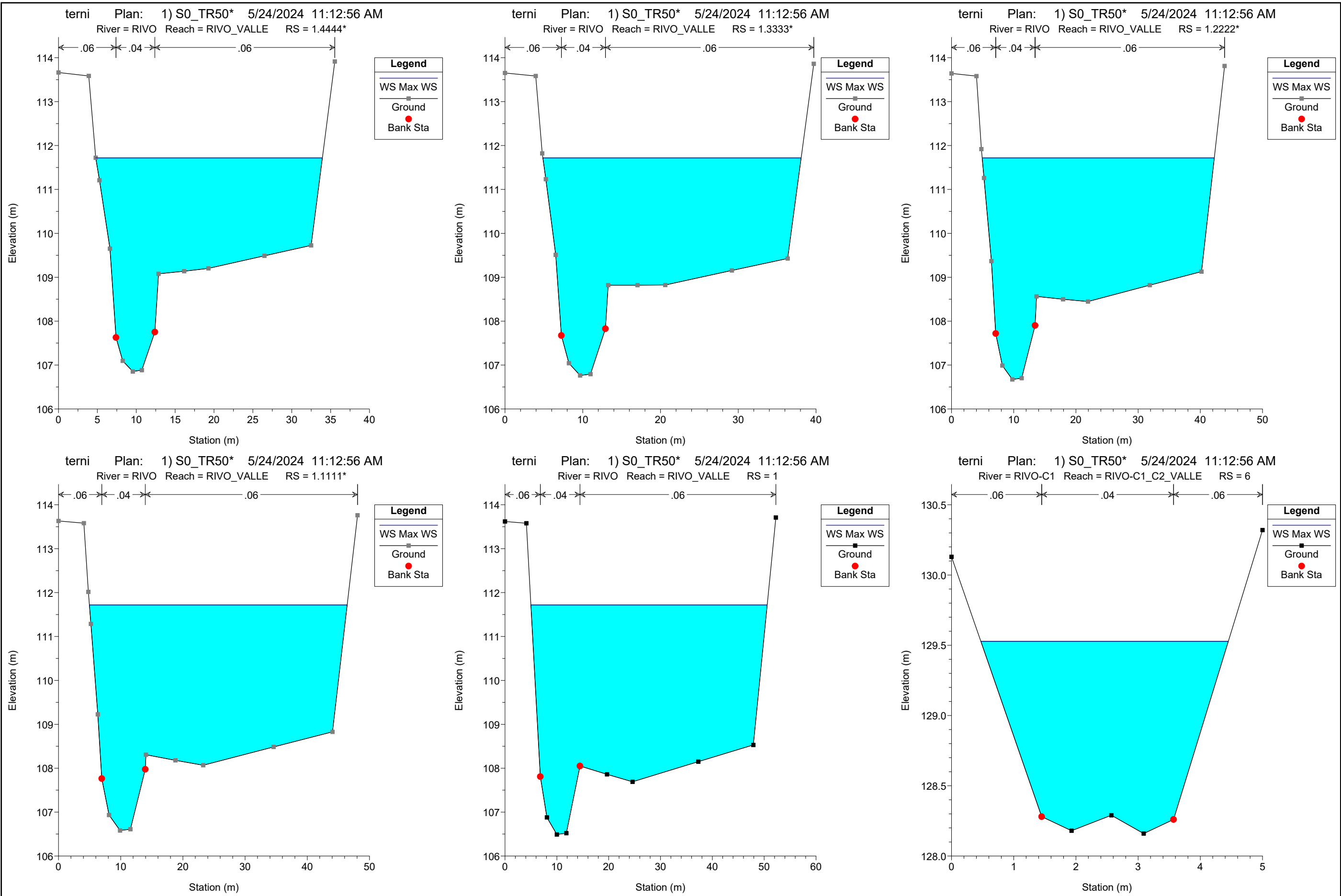


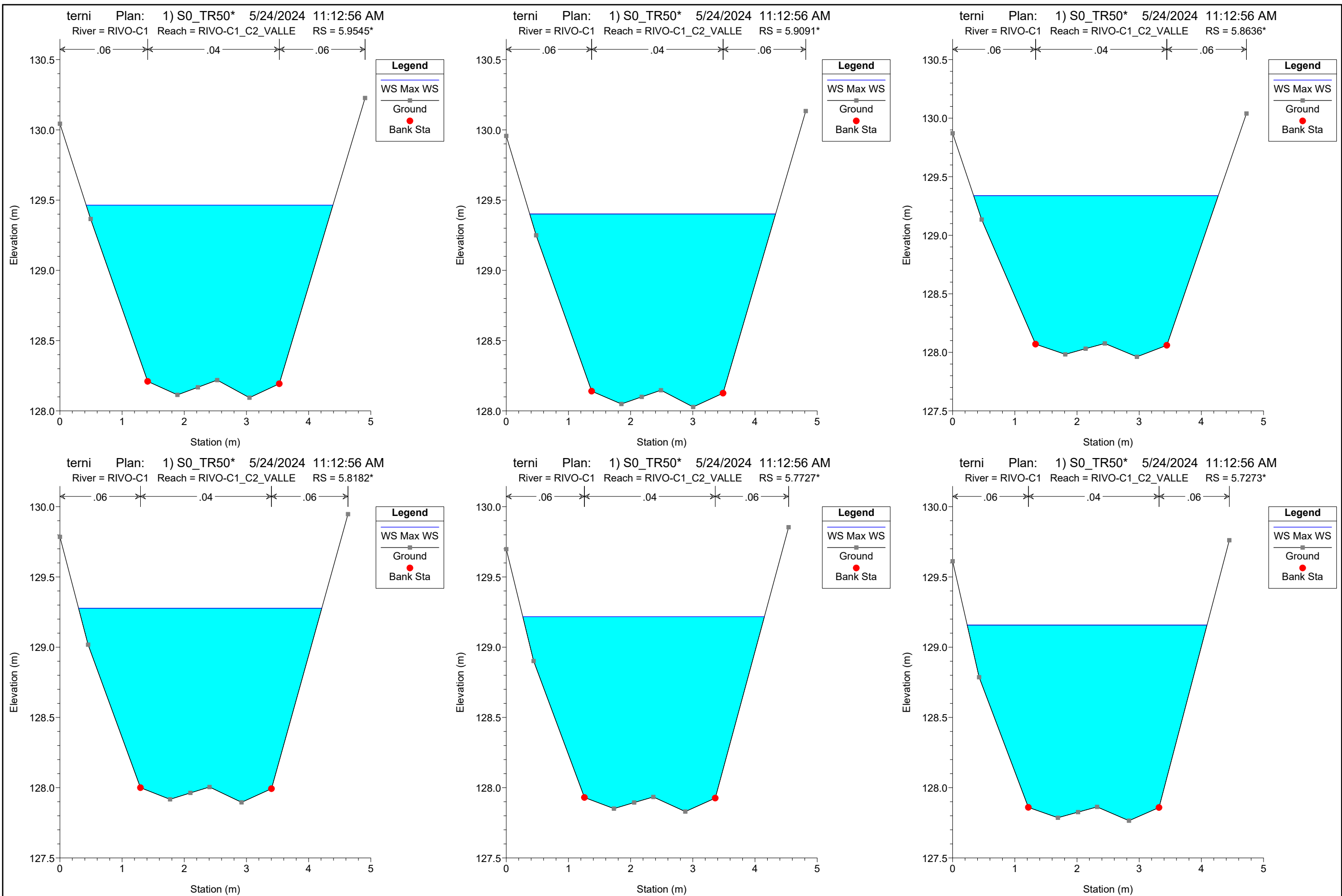


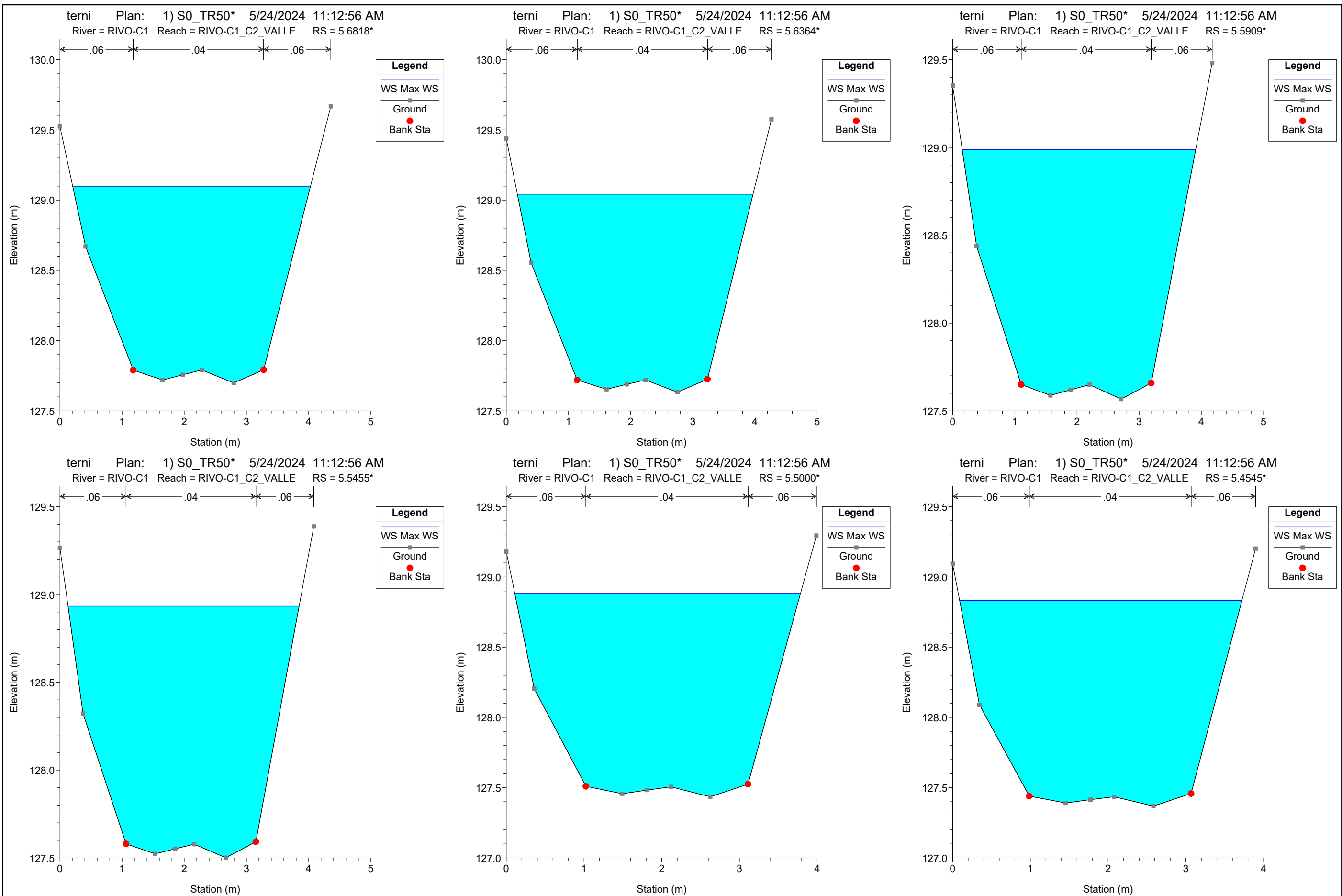


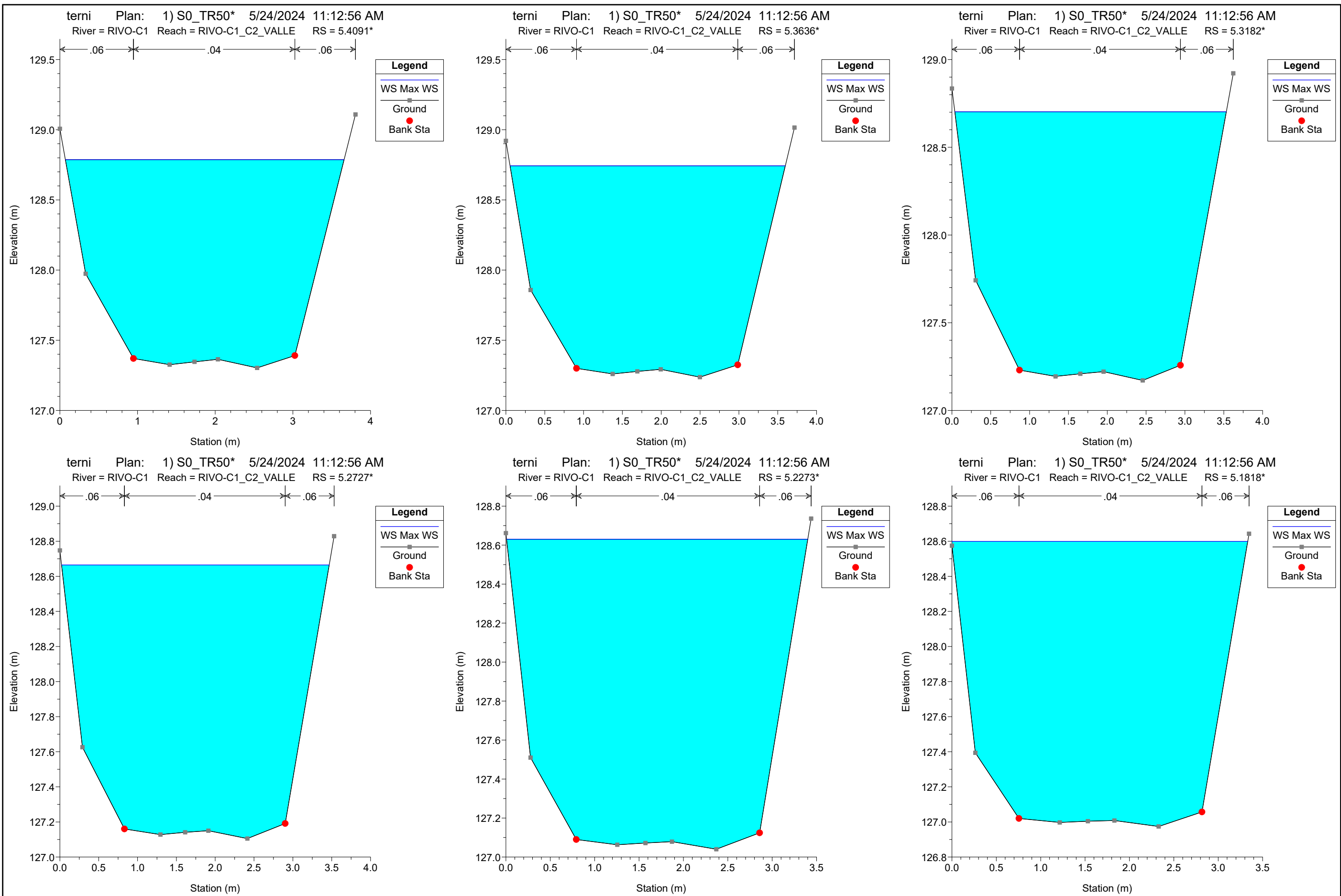


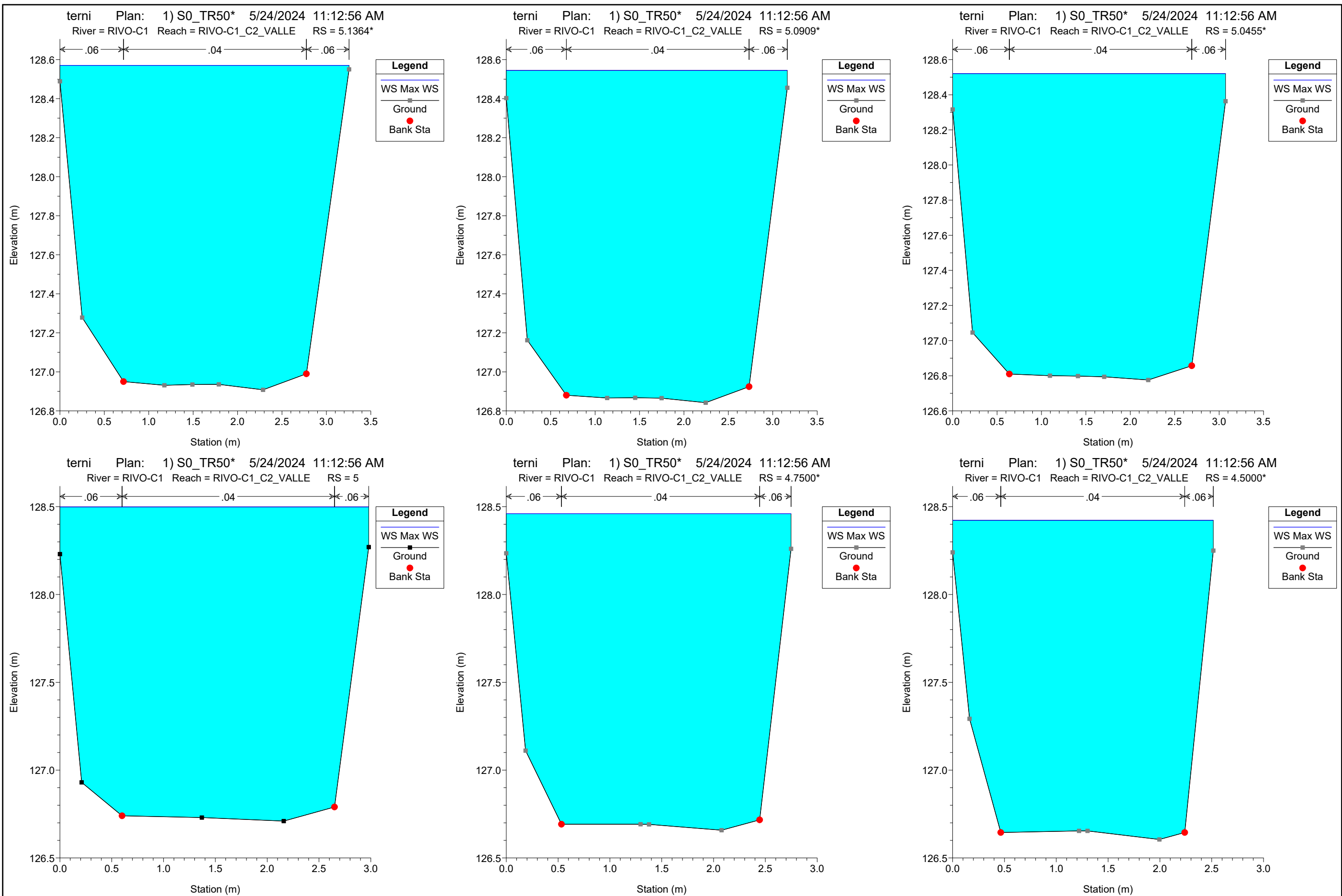


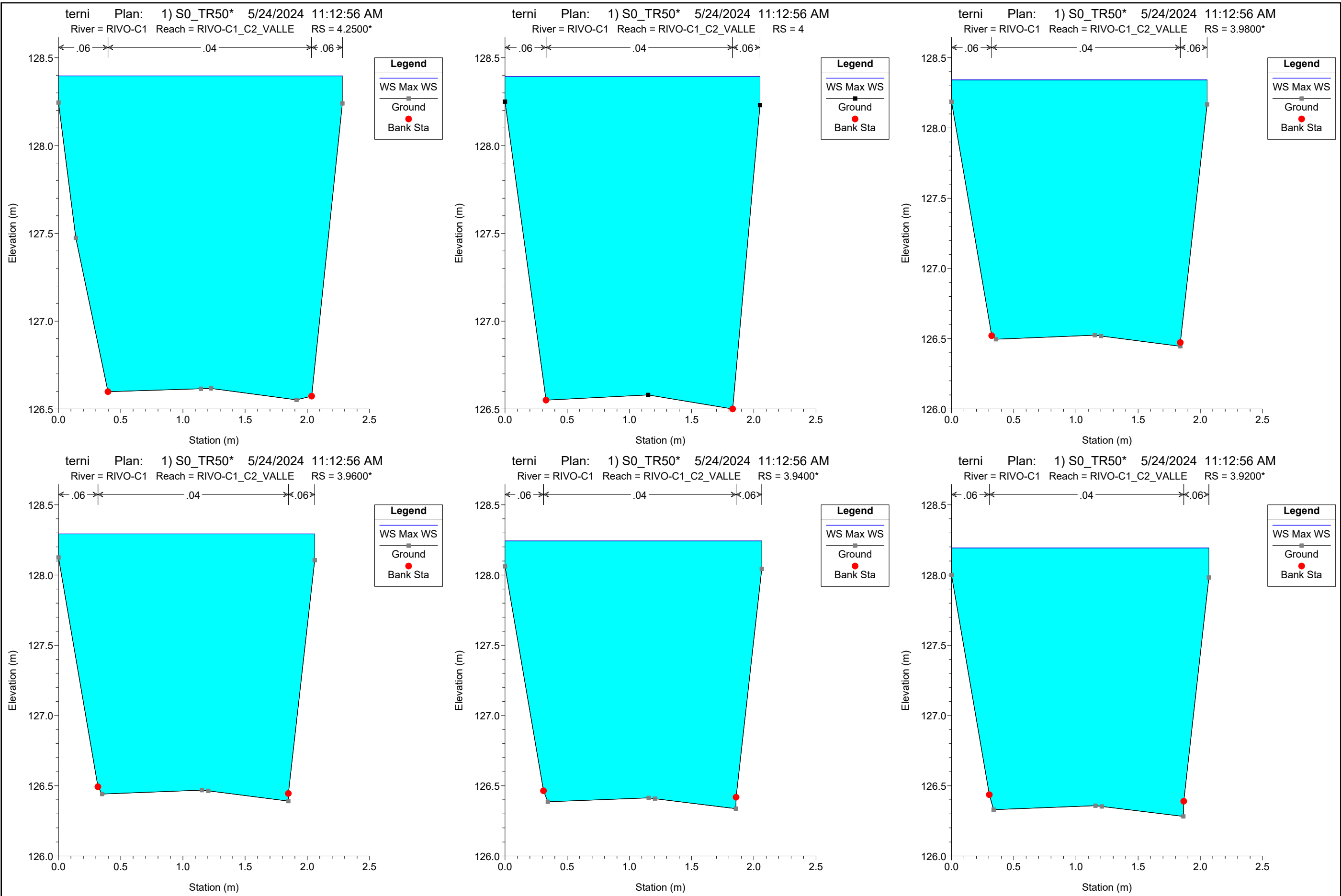


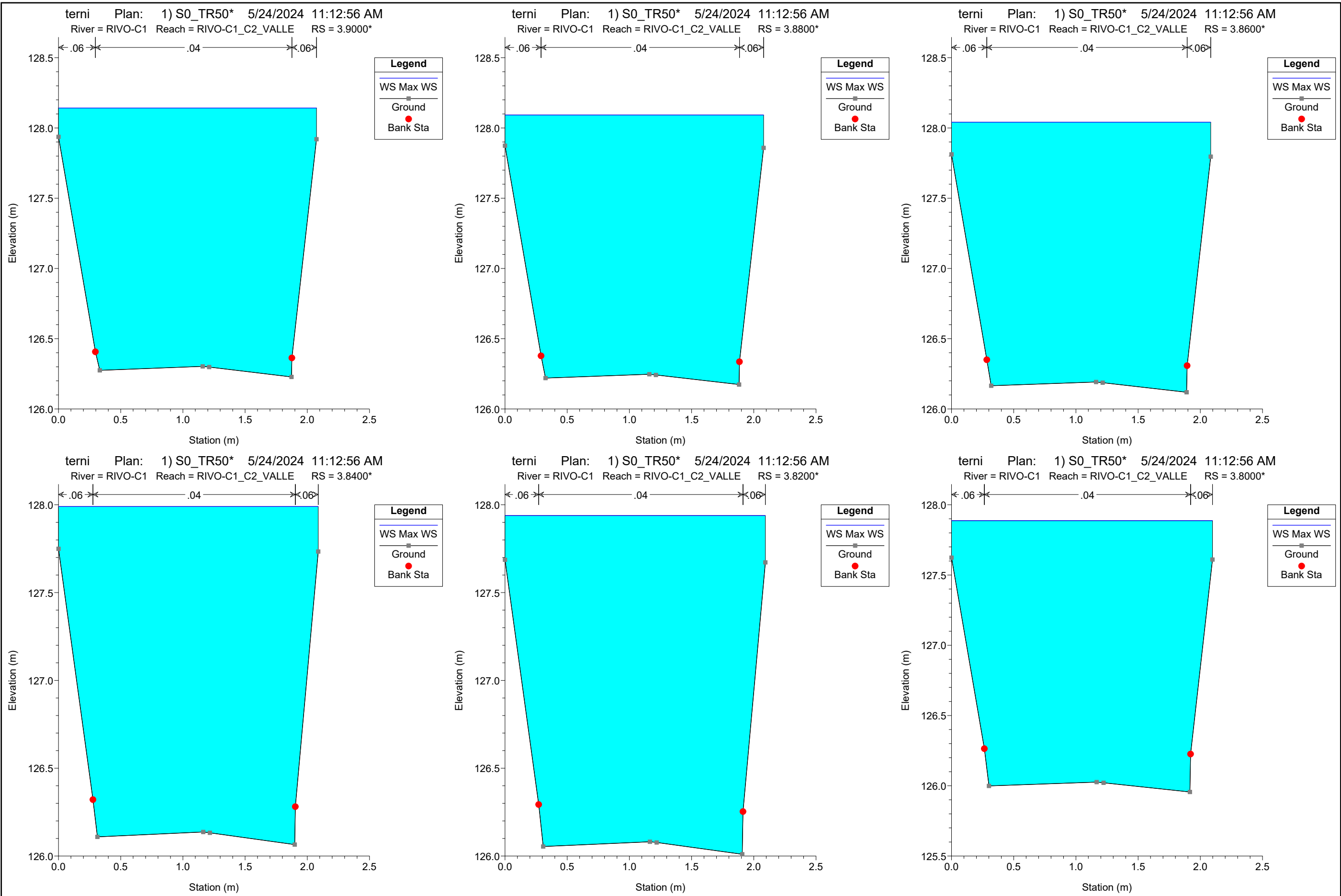


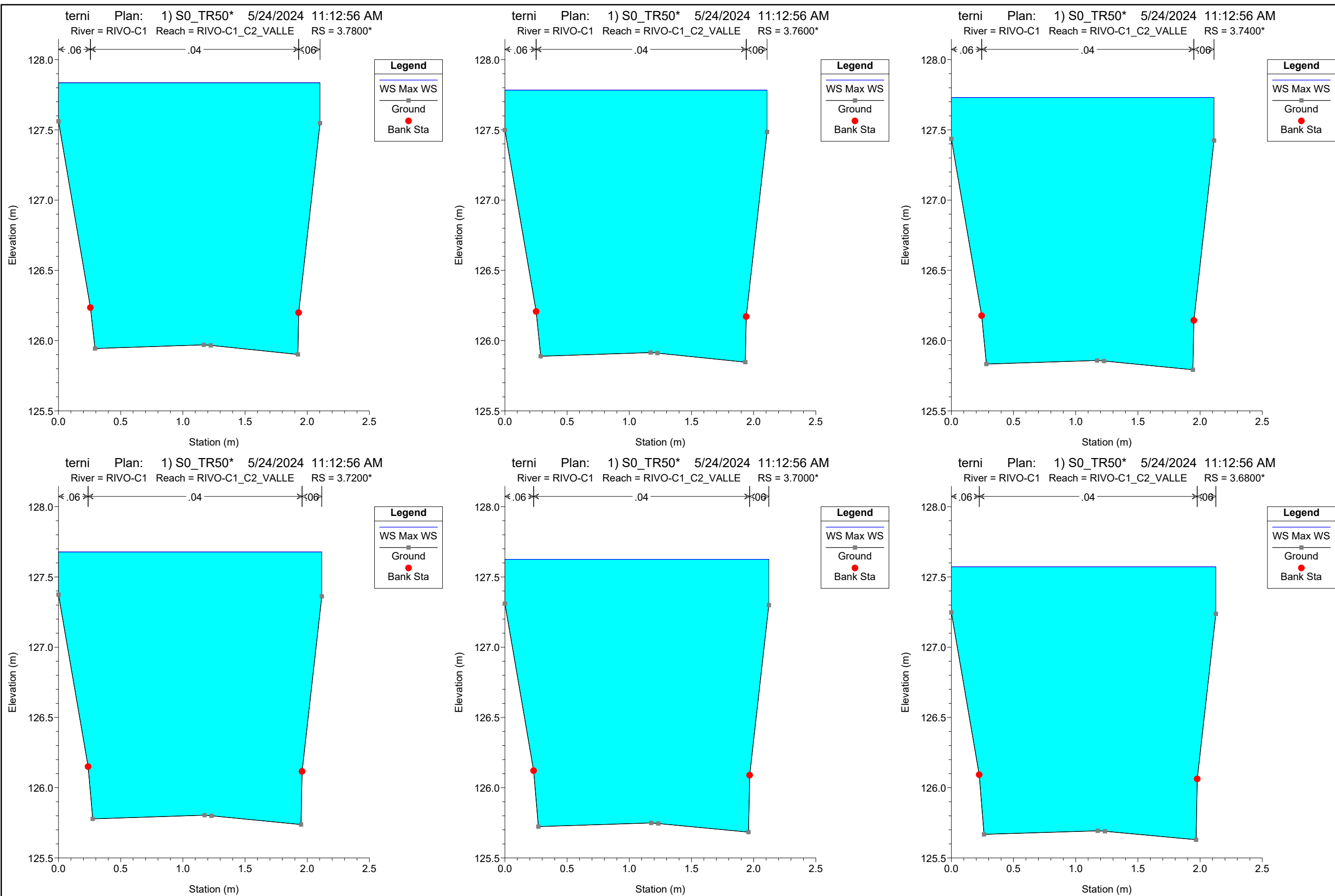


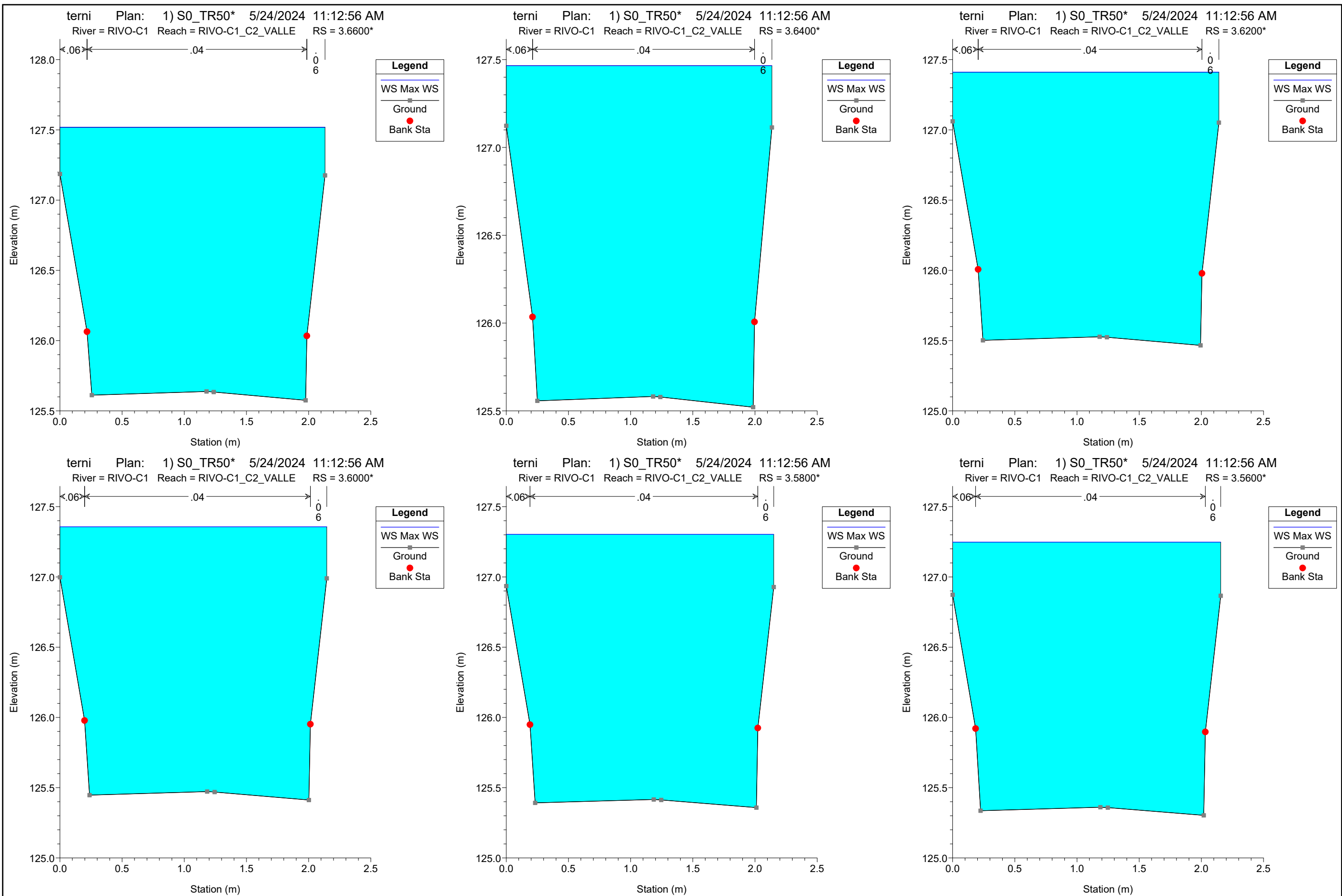


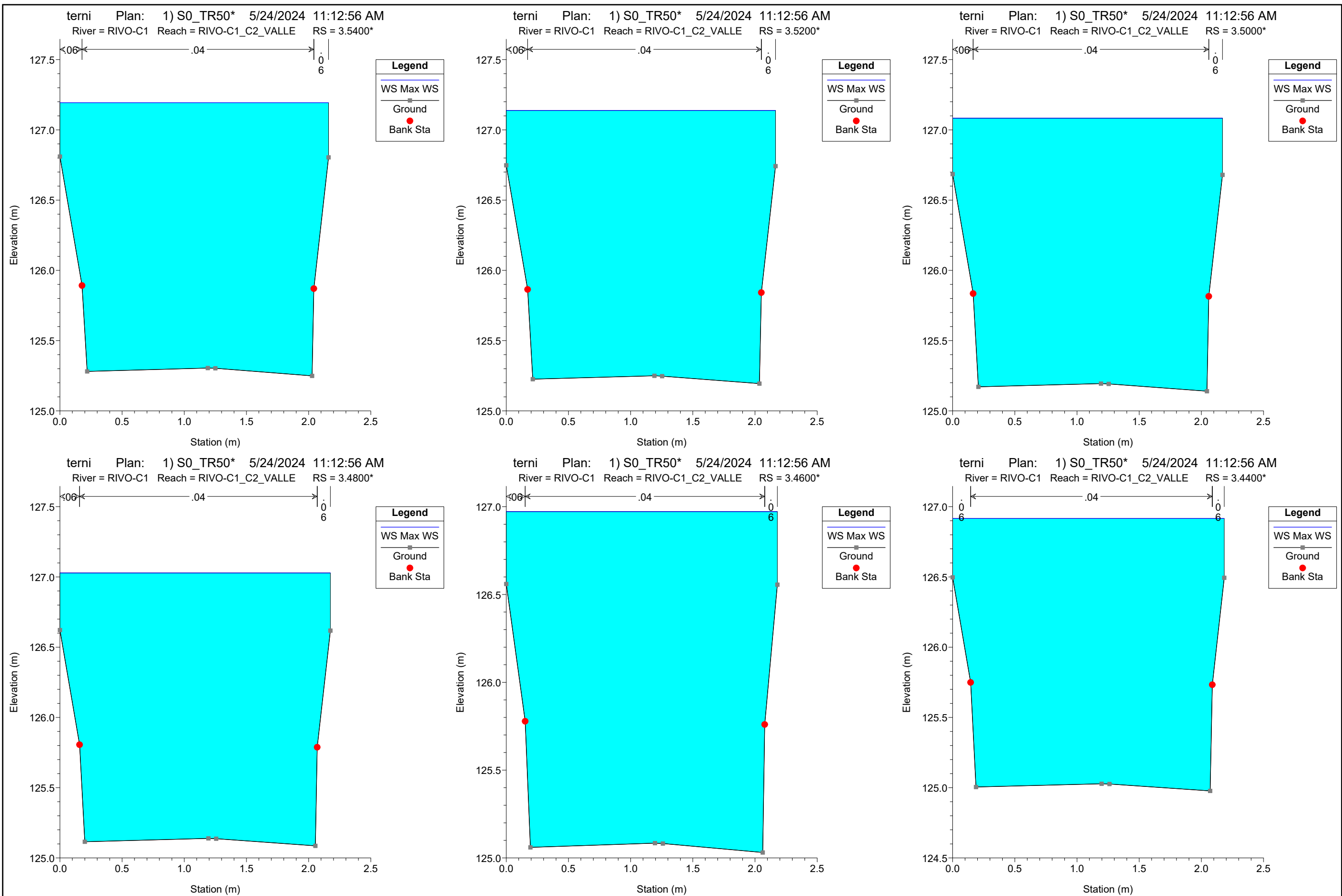


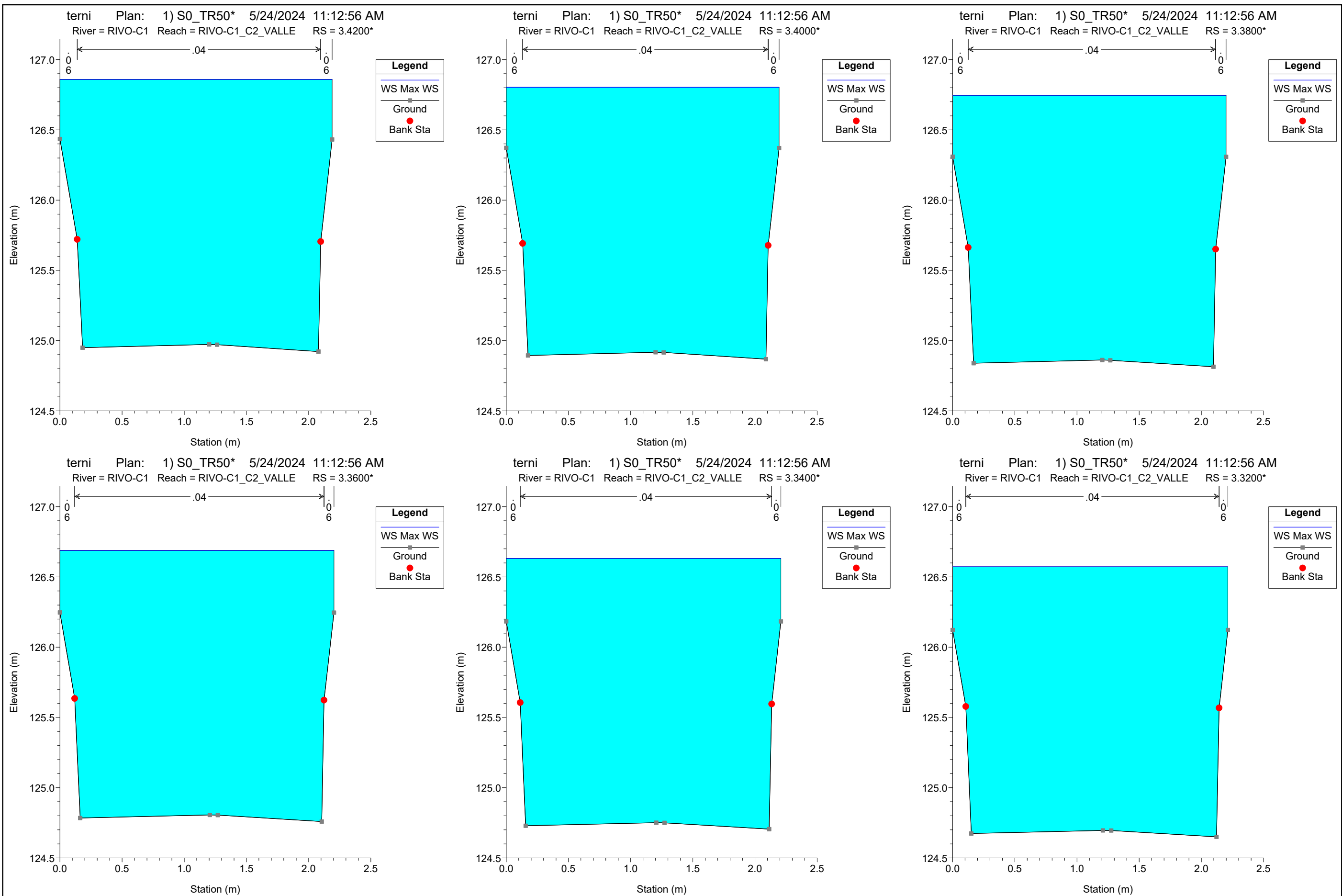


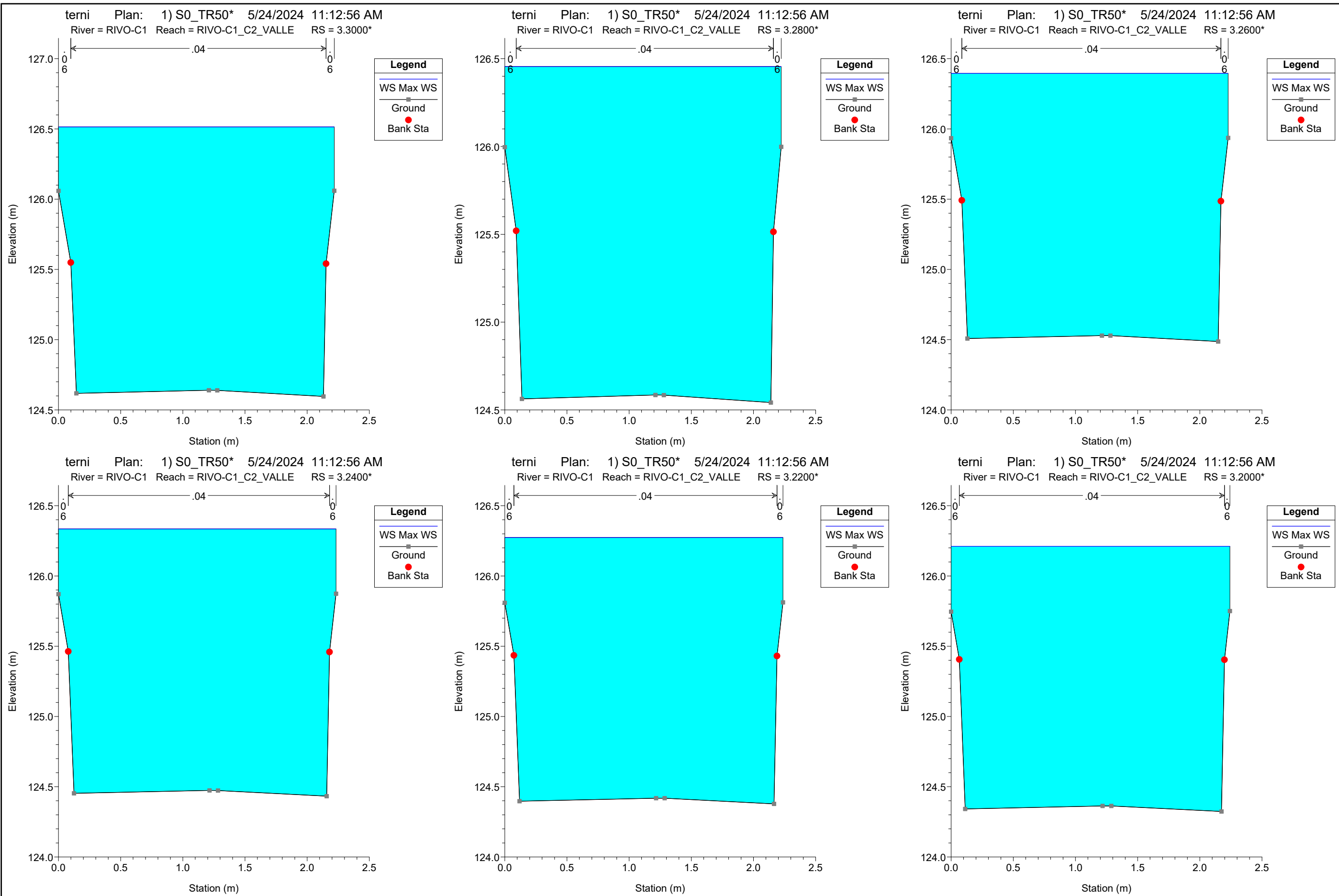


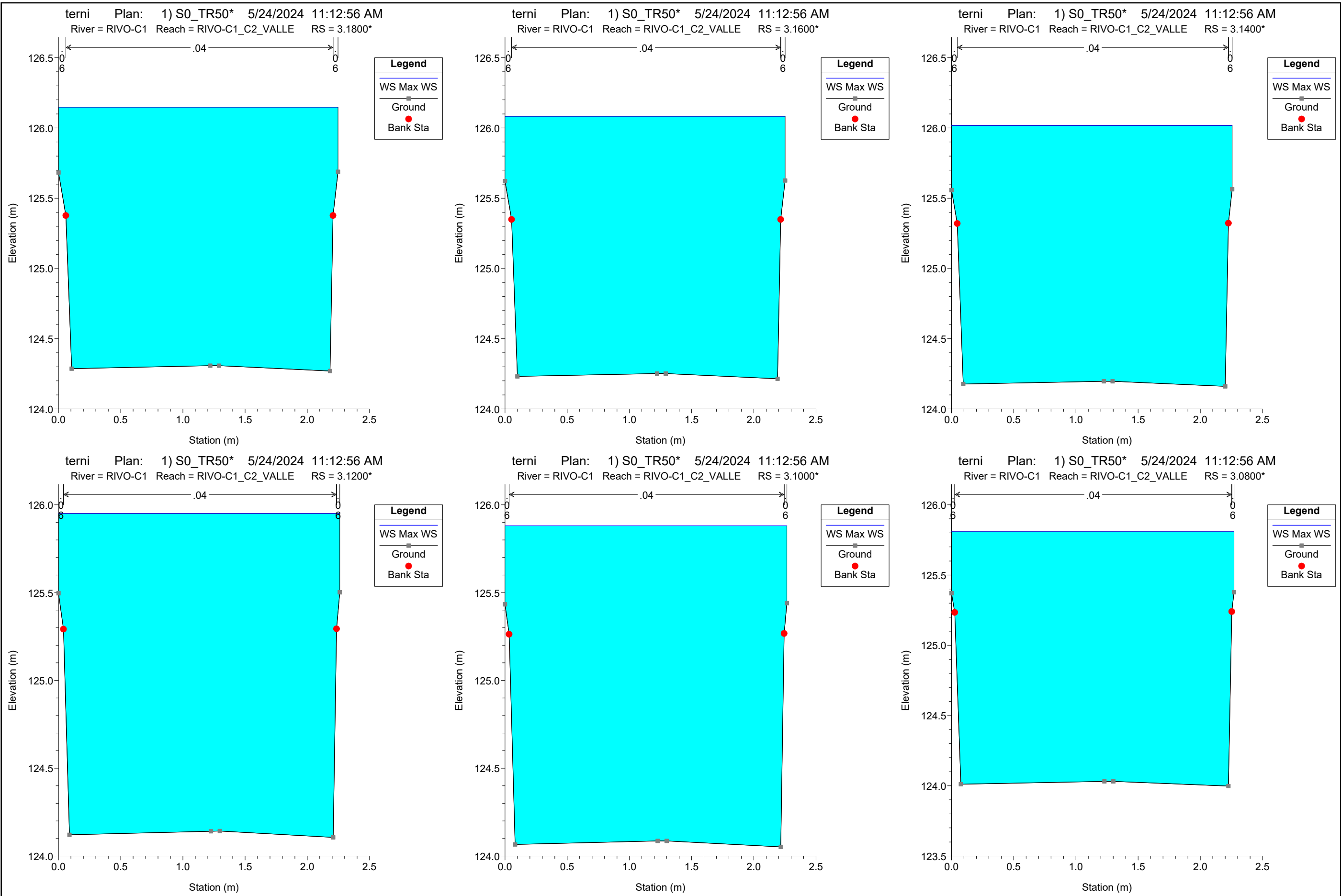


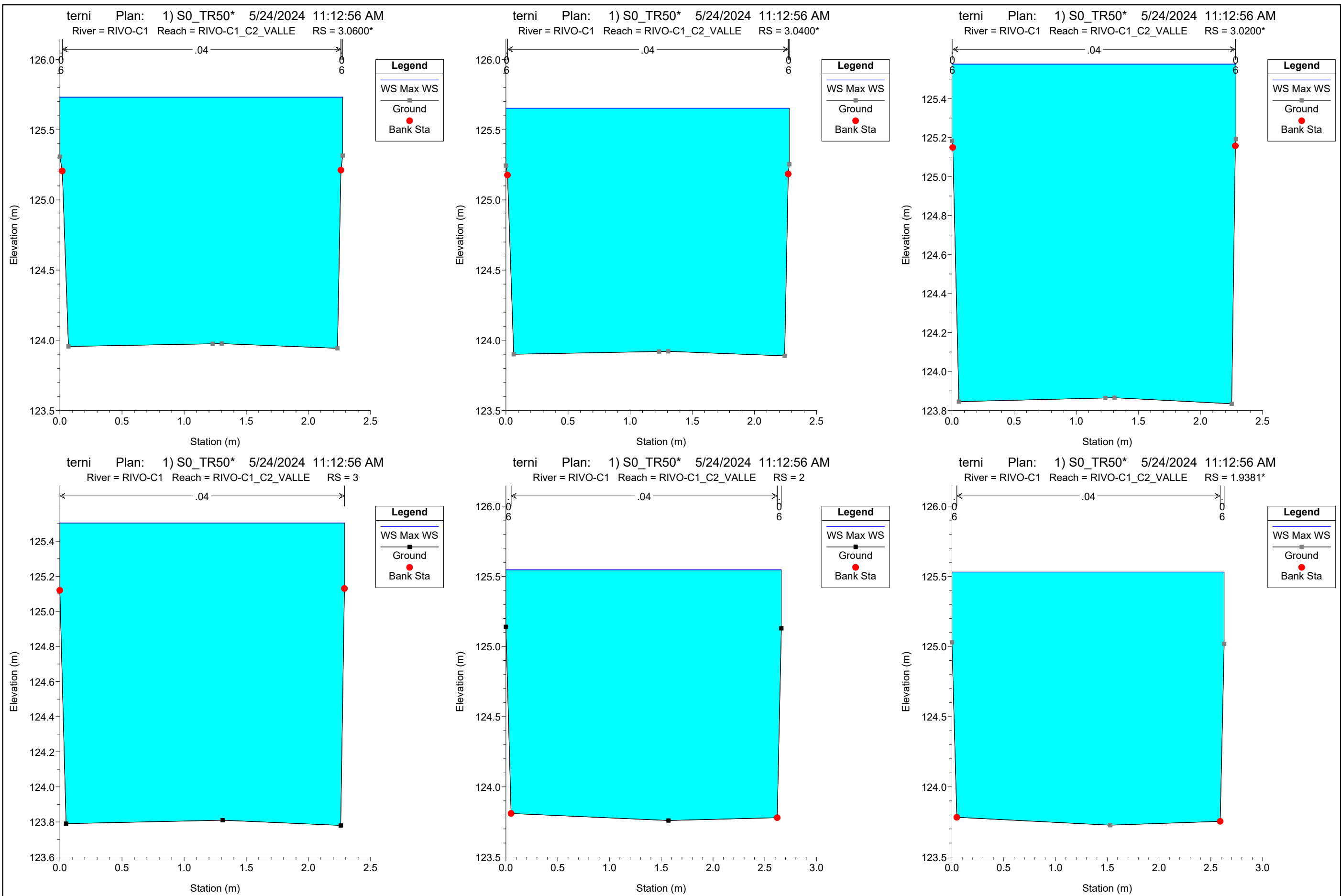


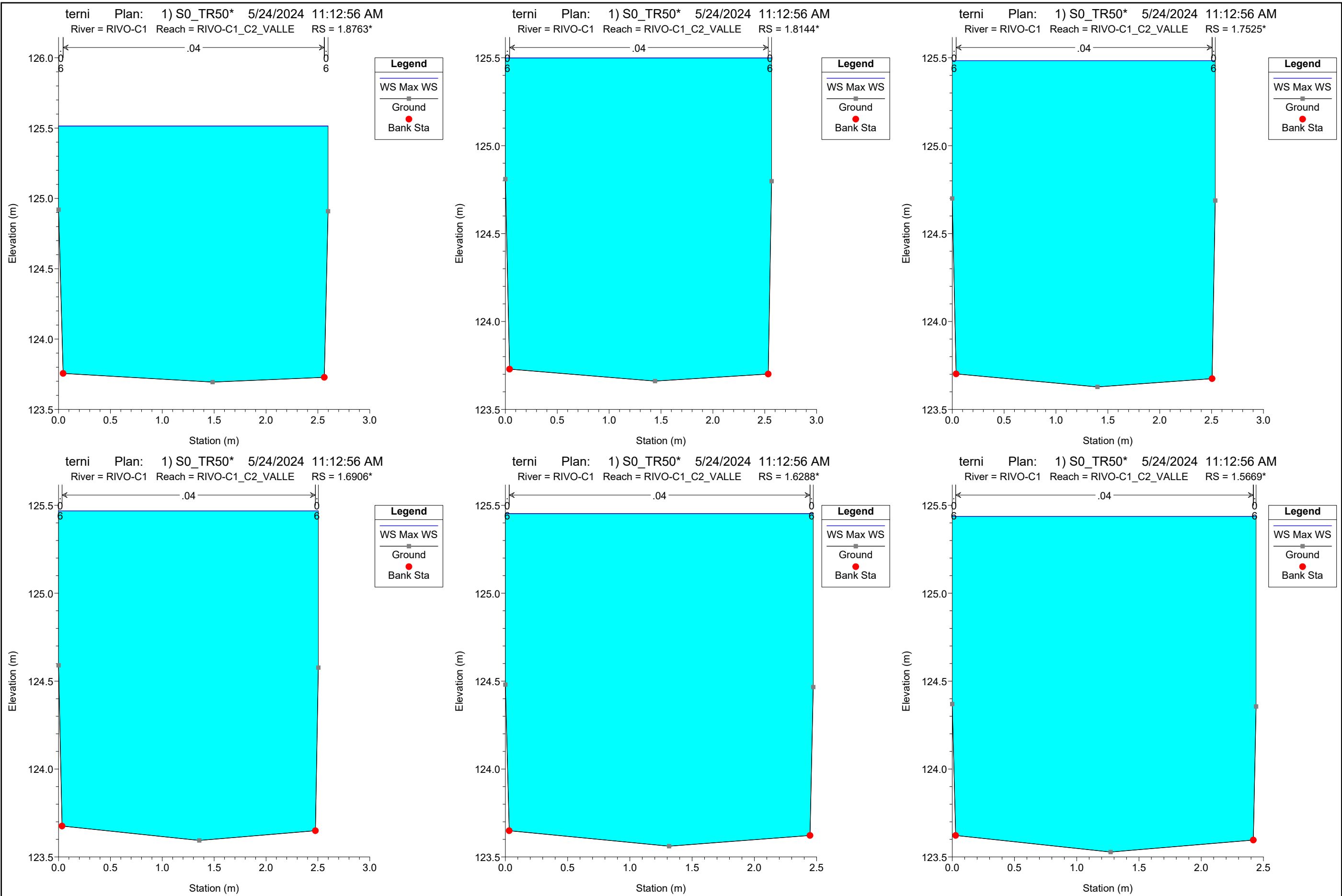


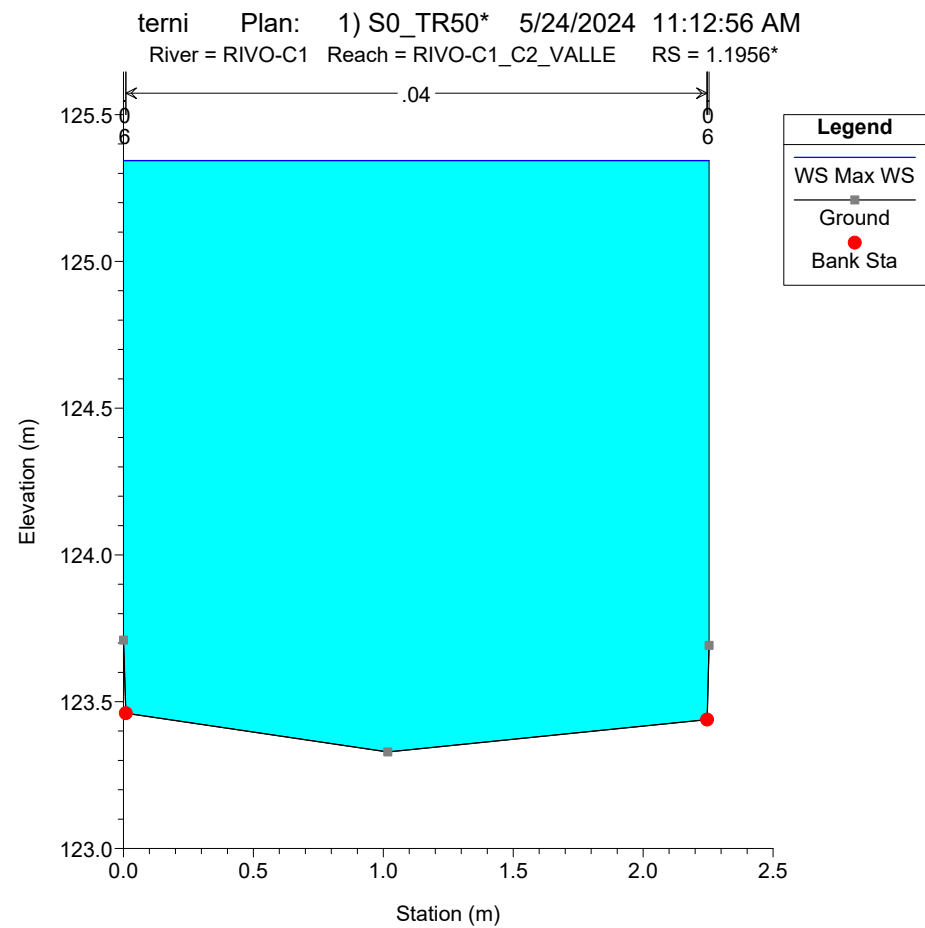
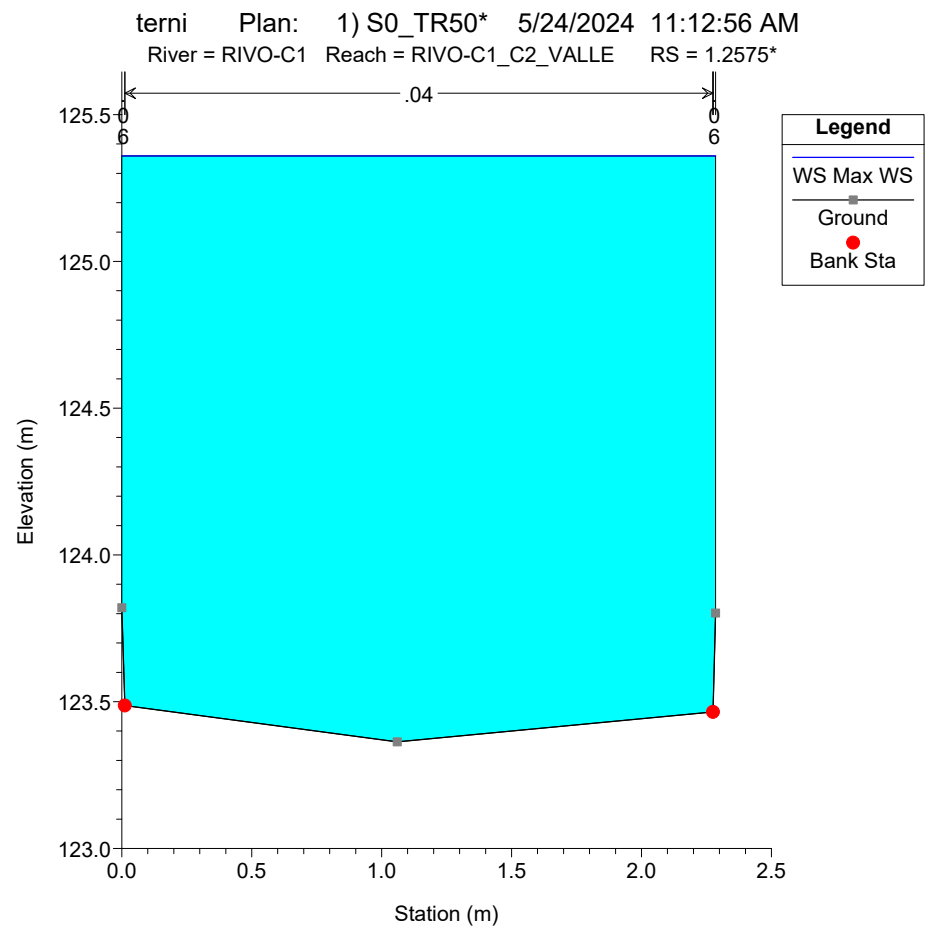
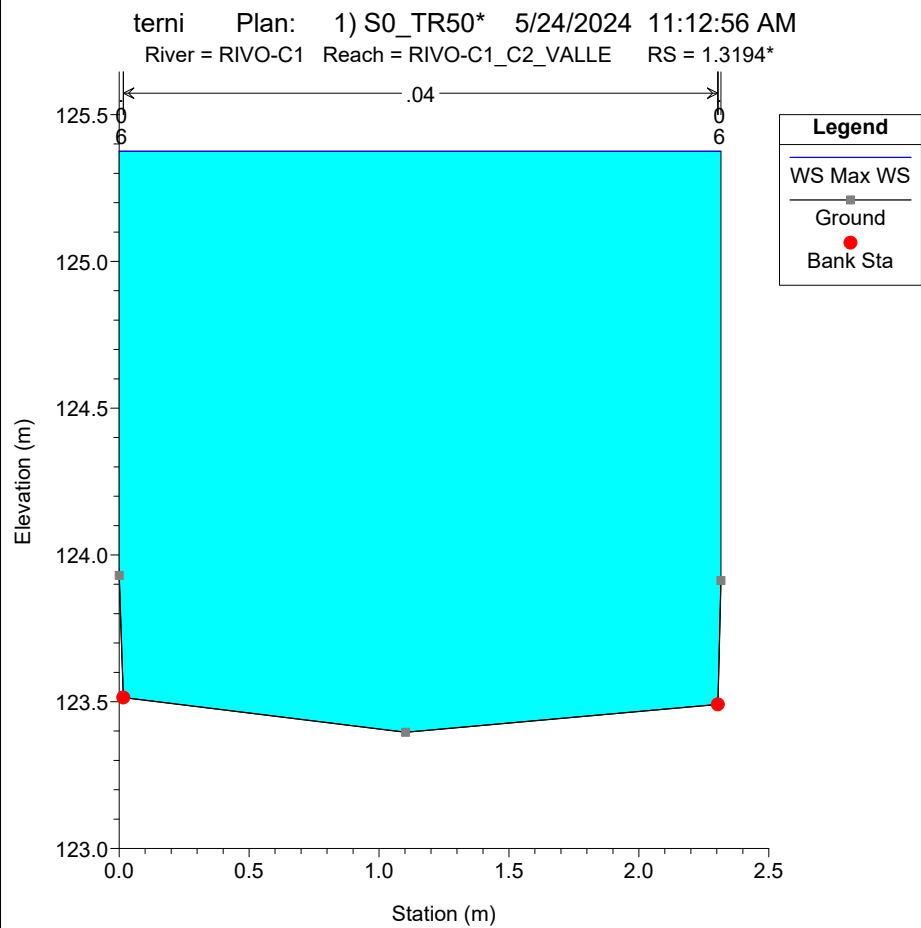
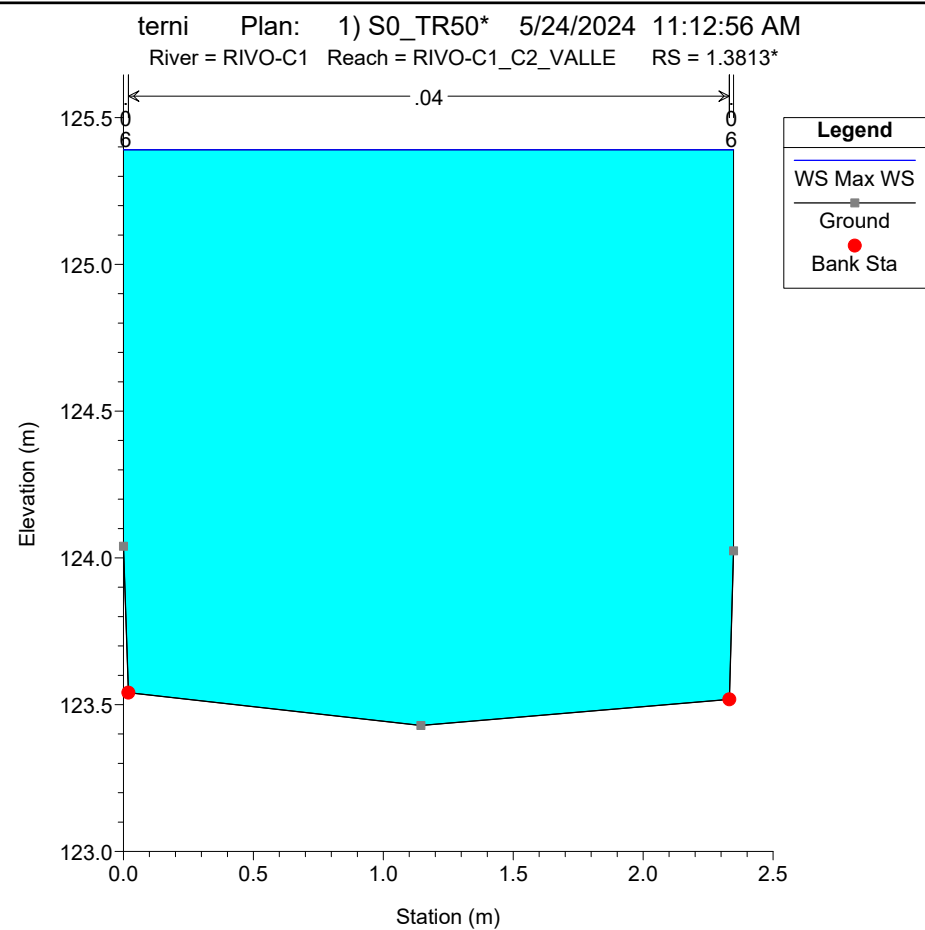
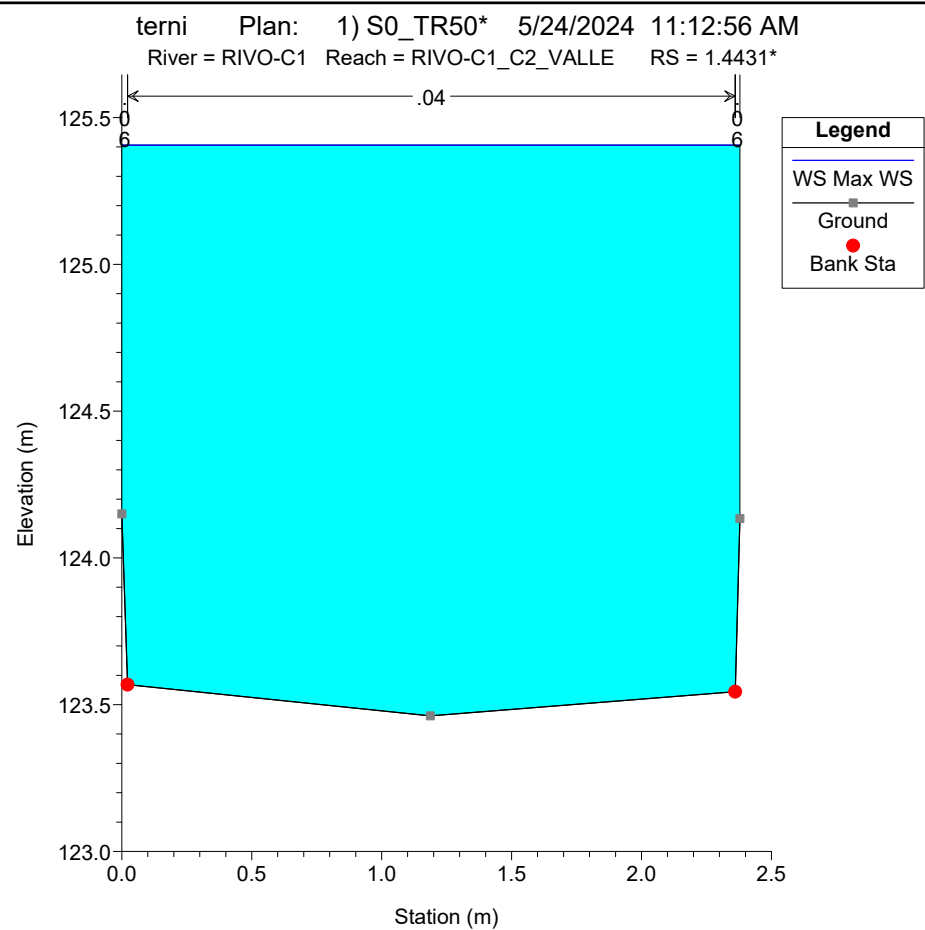
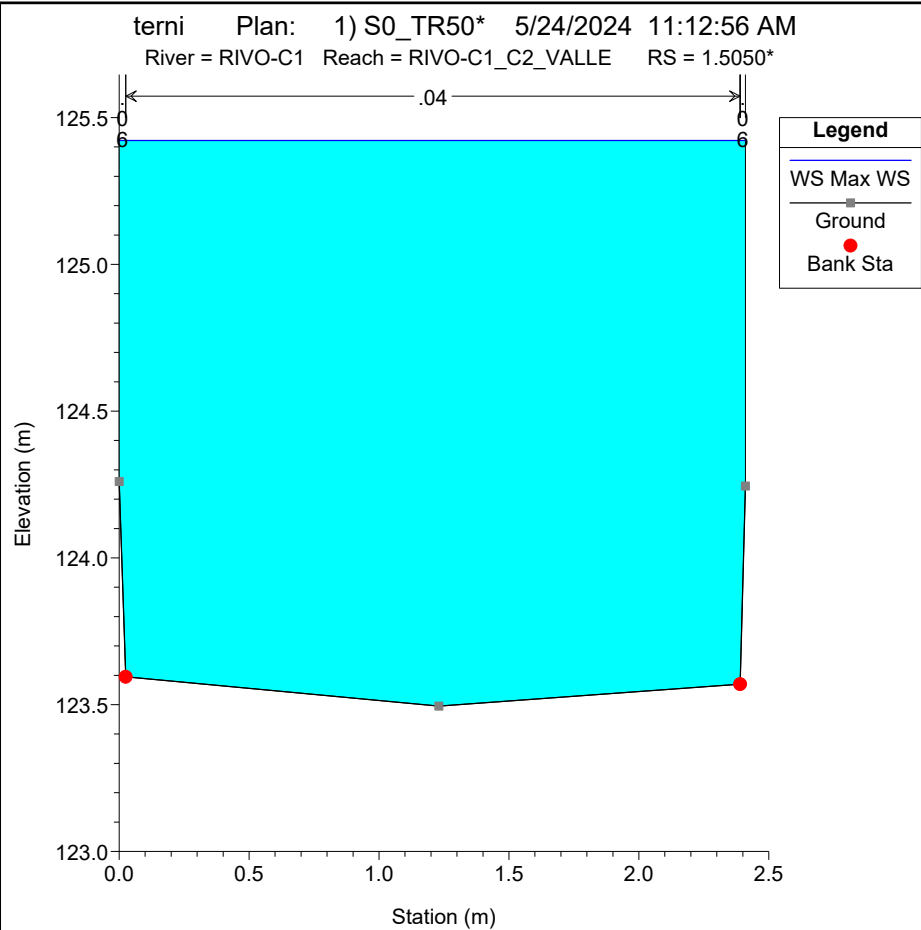


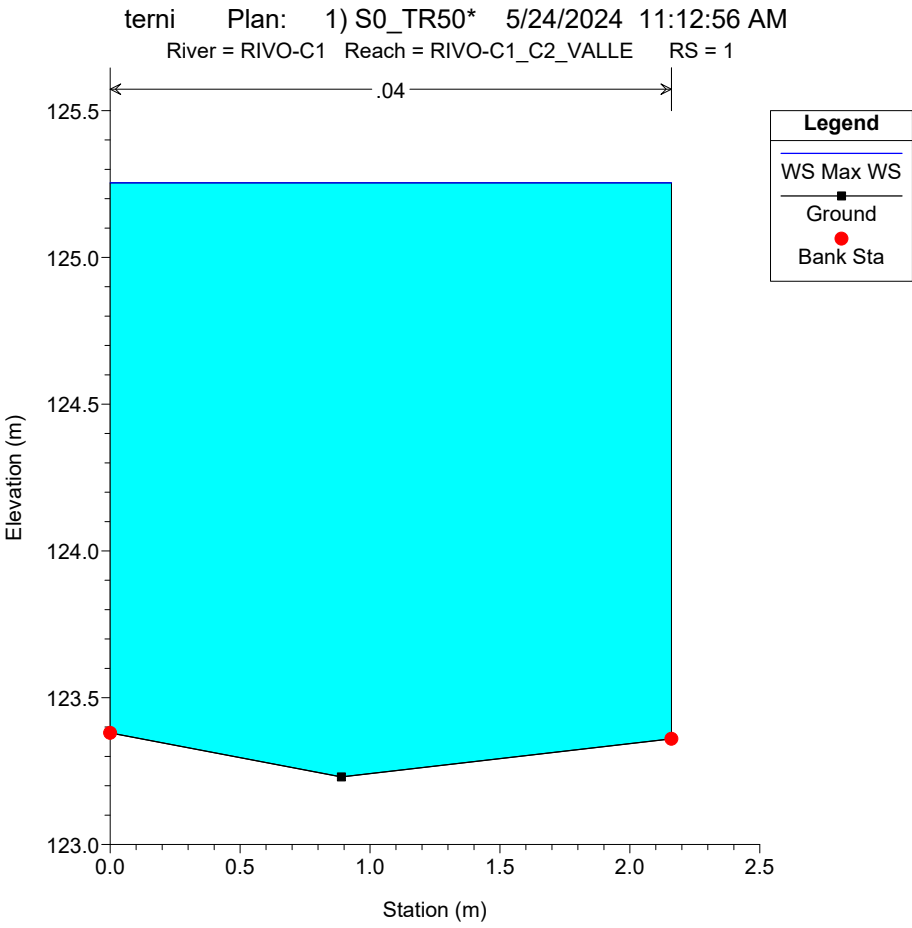
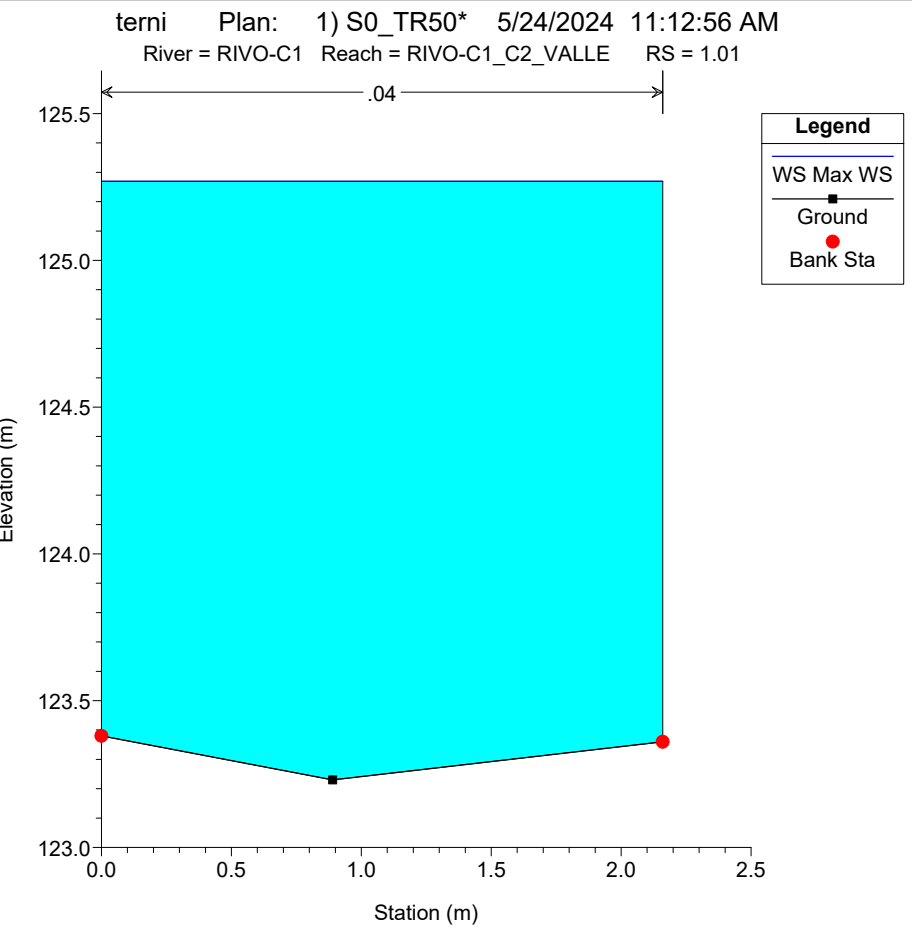
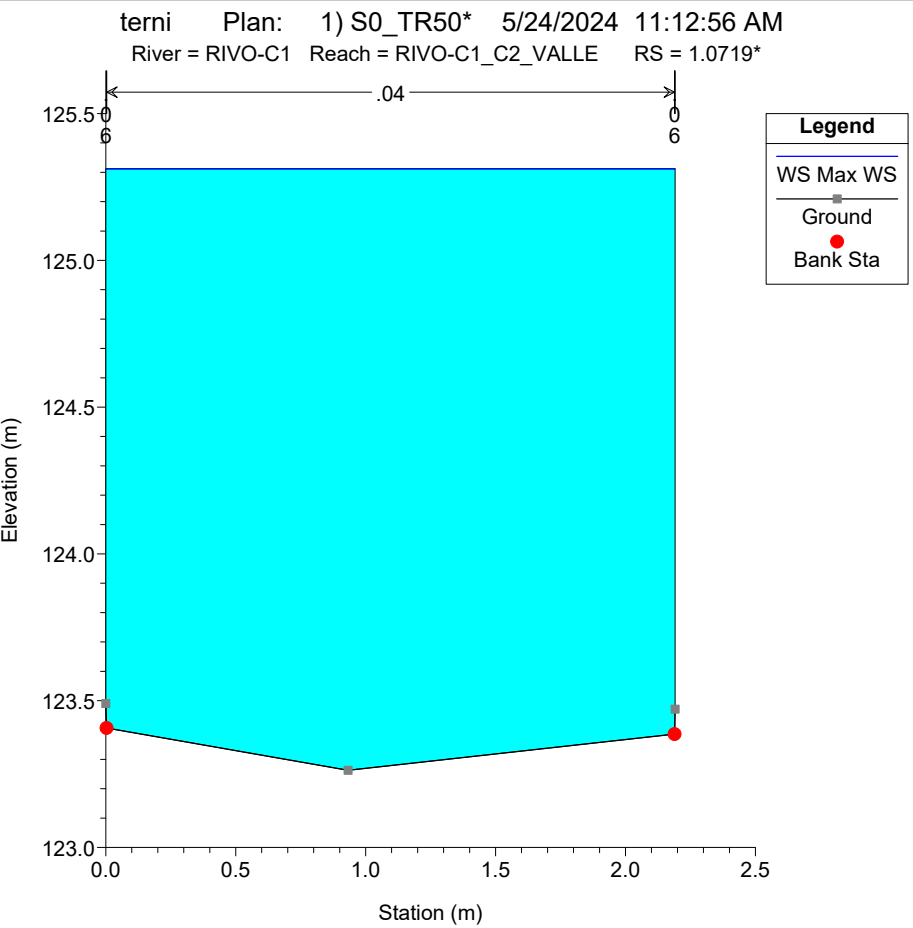
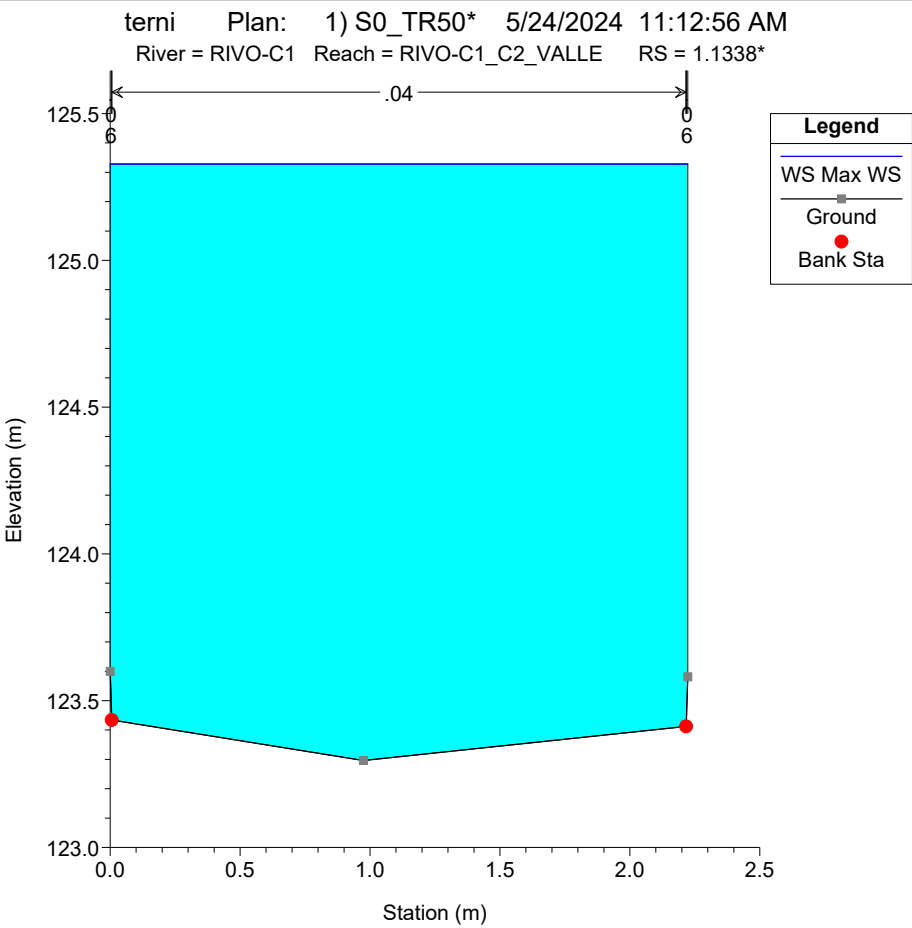












HEC-RAS Plan: S0_TR50* Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.58	128.16	129.53	129.51	130.06	0.013428	3.41	3.93	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.46	129.44	129.99	0.013311	3.40	3.94	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013164	3.39	3.95	3.95	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012963	3.38	3.96	3.93	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.57	127.90	129.28	129.24	129.80	0.012769	3.37	3.98	3.91	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.56	127.83	129.22	129.17	129.73	0.012549	3.35	3.99	3.89	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.57	127.77	129.16	129.10	129.67	0.012321	3.34	4.01	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.57	127.70	129.10	129.03	129.61	0.012051	3.32	4.03	3.82	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.57	127.63	129.04	128.97	129.54	0.011745	3.30	4.06	3.79	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.57	127.57	128.99	128.90	129.48	0.011434	3.28	4.08	3.75	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.56	127.50	128.93		129.42	0.011088	3.25	4.11	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.57	127.44	128.88		129.36	0.010702	3.22	4.15	3.68	0.87
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.57	127.37	128.83		129.30	0.010294	3.19	4.19	3.63	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.56	127.30	128.79		129.25	0.009854	3.15	4.23	3.59	0.84
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.57	127.24	128.74		129.19	0.009388	3.11	4.29	3.54	0.82
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.57	127.17	128.70		129.14	0.008896	3.07	4.34	3.50	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.56	127.10	128.66		129.09	0.008392	3.02	4.40	3.45	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.56	127.04	128.63		129.04	0.007895	2.98	4.46	3.39	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.57	126.97	128.60		129.00	0.007400	2.93	4.53	3.33	0.74
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.57	126.91	128.57		128.96	0.006910	2.88	4.60	3.25	0.72
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.57	126.84	128.54		128.92	0.006439	2.82	4.67	3.16	0.70
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.57	126.78	128.52		128.89	0.006004	2.77	4.73	3.07	0.68
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.58	126.71	128.50		128.85	0.005592	2.72	4.78	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.58	126.66	128.46		128.88	0.006476	2.94	4.38	2.75	0.71
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.58	126.61	128.42		128.92	0.007581	3.20	3.98	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.58	126.55	128.40		128.99	0.008801	3.47	3.62	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.58	126.50	128.39		129.09	0.009989	3.74	3.31	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.58	126.45	128.34		129.02	0.010015	3.70	3.33	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.58	126.39	128.29		128.96	0.010116	3.65	3.36	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.59	126.34	128.24		128.89	0.010215	3.61	3.38	2.06	0.85
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.59	126.28	128.19		128.83	0.010340	3.56	3.40	2.07	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.59	126.23	128.14		128.76	0.010451	3.52	3.43	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.59	126.17	128.09		128.70	0.010542	3.48	3.45	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.59	126.12	128.04		128.63	0.010661	3.45	3.47	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.60	126.07	127.99		128.57	0.010730	3.41	3.50	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.60	126.01	127.94		128.51	0.010829	3.37	3.52	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.60	125.96	127.89		128.45	0.010897	3.34	3.54	2.10	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.60	125.90	127.84		128.38	0.010970	3.30	3.56	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.61	125.85	127.78		128.32	0.011055	3.27	3.58	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.60	125.79	127.73		128.26	0.011084	3.24	3.60	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.61	125.74	127.68		128.20	0.011169	3.21	3.62	2.12	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.61	125.68	127.63		128.13	0.011219	3.18	3.64	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.61	125.63	127.57		128.07	0.011276	3.15	3.66	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.61	125.57	127.52		128.01	0.011333	3.13	3.68	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.62	125.52	127.47		127.95	0.011357	3.10	3.70	2.14	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.62	125.47	127.41		127.89	0.011427	3.07	3.72	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.62	125.41	127.36		127.83	0.011474	3.05	3.74	2.15	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.62	125.36	127.30		127.76	0.011506	3.02	3.75	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.62	125.30	127.25		127.70	0.011563	3.00	3.77	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.62	125.25	127.19		127.64	0.011582	2.97	3.79	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.63	125.19	127.14		127.58	0.011636	2.95	3.81	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.63	125.14	127.08		127.52	0.011668	2.93	3.82	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.63	125.09	127.03		127.46	0.011713	2.91	3.84	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.63	125.03	126.97		127.40	0.011781	2.89	3.86	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.63	124.98	126.92		127.33	0.011796	2.87	3.87	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.63	124.92	126.86		127.27	0.011856	2.85	3.89	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.64	124.87	126.80		127.21	0.011905	2.83	3.90	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.64	124.81	126.75		127.15	0.011947	2.82	3.92	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.64	124.76	126.69		127.09	0.012017	2.80	3.93	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.64	124.71	126.63		127.02	0.012067	2.78	3.94	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.64	124.65	126.57		126.96	0.012155	2.77	3.95	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.64	124.60	126.51		126.90	0.012224	2.76	3.97	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.64	124.54	126.45		126.84	0.012307	2.74	3.98	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.65	124.49	126.39		126.77	0.012422	2.73	3.98	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.65	124.43	126.33		126.71	0.012505	2.72	3.99	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.65	124.38	126.27		126.65	0.012651	2.71	4.00	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.65	124.32	126.21		126.58	0.012795	2.70	4.00	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.65	124.27	126.15		126.52	0.012973	2.70	4.00	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	10.65	124.22	126.08		126.45	0.013184	2.69	4.00	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	10.65	124.16	126.02		126.39	0.013415	2.69	4.00	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	10.65	124.11	125.95		126.32	0.013720	2.69	3.99	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	10.65	124.05	125.88		126.25	0.014056	2.70	3.98	2.27	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	10.65	124.00	125.81		126.18	0.014493	2.71	3.96	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	10.65	123.94	125.73		126.11	0.015044	2.72	3.93	2.28	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	10.65	123.89	125.65		126.03	0.015705	2.74	3.90	2.28	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	9.48	123.83	125.57		125.88	0.012993	2.46	3.86	2.29	0.60
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	9.43	123.78	125.50		125.81	0.016093	2.46	3.84	2.29	0.61
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	9.43	123.76	125.54		125.76	0.003258	2.08	4.62	2.66	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	9.43	123.73	125.52		125.75	0.003238	2.09	4.61	2.63	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	9.42	123.69	125.51		125.73	0.003216	2.09	4.60	2.60	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	9.41	123.66	125.49		125.72	0.003192	2.09	4.59	2.57	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	9.41	123.63	125.48		125.70	0.003178	2.10	4.57	2.54	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	9.41	123.59	125.46		125.69	0.003157	2.10	4.56	2.50	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	9.41	123.56	125.45		125.67	0.003145	2.11	4.54	2.47	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	9.40	123.53	125.43		125.66	0.003127	2.11	4.52	2.44	0.49
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	9.39	123.49	125.41		125.64	0.003113	2.12	4.50	2.41	0.49
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	9.39	123.46	125.40		125.63	0.003109	2.13	4.48	2.38	0.49
RIVO-C1	RIVO-C1_C2_VALLE	1.3813*	Max WS	9.38	123.43	125.38		125.61	0.003100	2.13	4.46	2.3	

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	13.93	159.20	160.63	160.98	161.50	0.028492	4.89	4.79	7.62	1.36
RIVO	RIVO	85.200*	Max WS	13.92	159.03	160.49	160.84	161.30	0.027127	4.77	4.91	7.49	1.31
RIVO	RIVO	85.100*	Max WS	13.92	158.87	160.36	160.53	161.10	0.025504	4.61	5.09	7.50	1.24
RIVO	RIVO	85	Max WS	13.92	158.71	160.24	160.43	160.90	0.023468	4.40	5.33	7.54	1.16
RIVO	RIVO	84.909*	Max WS	13.92	158.60	160.13	160.28	160.81	0.023494	4.45	5.29	7.41	1.17
RIVO	RIVO	84.818*	Max WS	13.91	158.49	160.02	160.31	160.71	0.023559	4.52	5.24	7.28	1.19
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	13.91	158.38	159.91	160.18	160.63	0.023887	4.60	5.19	7.28	1.21
RIVO	RIVO	84.636*	Max WS	13.91	158.26	159.79	160.07	160.55	0.024626	4.73	5.15	7.54	1.24
RIVO	RIVO	84.545*	Max WS	13.91	158.15	159.68	160.00	160.46	0.025064	4.82	5.10	7.55	1.26
RIVO	RIVO	84.455*	Max WS	13.91	158.04	159.56	159.88	160.37	0.025456	4.90	5.05	7.43	1.28
RIVO	RIVO	84.364*	Max WS	13.90	157.93	159.44	159.75	160.27	0.025831	4.98	4.98	7.20	1.30
RIVO	RIVO	84.273*	Max WS	13.90	157.82	159.31	159.64	160.16	0.026272	5.06	4.90	6.87	1.33
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	13.90	157.70	159.19	159.52	160.05	0.026560	5.13	4.80	6.40	1.35
RIVO	RIVO	84.091*	Max WS	13.90	157.59	159.06	159.40	159.91	0.025999	5.12	4.70	5.58	1.35
RIVO	RIVO	84	Max WS	13.90	157.48	158.94	159.29	159.81	0.026866	5.24	4.60	5.33	1.39
RIVO	RIVO	83.917*	Max WS	13.89	157.36	158.80	159.16	159.68	0.026817	5.22	4.60	5.37	1.39
RIVO	RIVO	83.833*	Max WS	13.89	157.23	158.67	159.03	159.55	0.026765	5.20	4.59	5.38	1.39
RIVO	RIVO	83.750*	Max WS	13.89	157.11	158.54	158.90	159.42	0.026661	5.17	4.59	5.38	1.38
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	13.89	156.99	158.41	158.77	159.29	0.026600	5.14	4.58	5.40	1.38
RIVO	RIVO	83.583*	Max WS	13.89	156.86	158.28	158.64	159.15	0.026546	5.12	4.58	5.41	1.38
RIVO	RIVO	83.500*	Max WS	13.89	156.74	158.15	158.50	159.02	0.026628	5.10	4.56	5.41	1.38
RIVO	RIVO	83.417*	Max WS	13.89	156.62	158.02	158.37	158.89	0.026803	5.09	4.54	5.41	1.38
RIVO	RIVO	83.333*	Max WS	13.89	156.49	157.88	158.23	158.76	0.026900	5.07	4.53	5.39	1.38
RIVO	RIVO	83.250*	Max WS	13.89	156.37	157.75	158.02	158.63	0.027125	5.06	4.51	5.38	1.38
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	13.89	156.25	157.62	157.92	158.50	0.027523	5.06	4.48	5.38	1.39
RIVO	RIVO	83.083*	Max WS	13.89	156.12	157.48	157.82	158.38	0.028199	5.08	4.43	5.36	1.41
RIVO	RIVO	83	Max WS	13.89	156.00	157.34	157.69	158.26	0.029304	5.12	4.36	5.34	1.43
RIVO	RIVO	82.889*	Max WS	13.89	155.89	157.21	157.50	158.03	0.027043	4.65	4.47	5.76	1.34
RIVO	RIVO	82.778*	Max WS	13.88	155.78	157.09	157.36	157.83	0.025423	4.30	4.58	6.20	1.27
RIVO	RIVO	82.667*	Max WS	13.88	155.67	156.98	157.19	157.66	0.024363	4.04	4.68	7.88	1.22
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	13.88	155.56	156.86	157.05	157.54	0.024740	3.91	4.81	9.75	1.21
RIVO	RIVO	82.444*	Max WS	13.88	155.44	156.76	156.90	157.38	0.023944	3.71	4.92	10.14	1.17
RIVO	RIVO	82.333*	Max WS	13.88	155.33	156.65	156.86	157.23	0.023802	3.56	5.00	10.57	1.15
RIVO	RIVO	82.222*	Max WS	13.88	155.22	156.54	156.73	157.10	0.024337	3.46	5.01	11.11	1.14
RIVO	RIVO	82.111*	Max WS	13.88	155.11	156.42	156.61	156.98	0.025907	3.42	4.95	12.00	1.16
RIVO	RIVO	82	Max WS	13.88	155.00	156.29	156.49	156.88	0.029802	3.47	4.72	13.50	1.22
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.901		Lat Struct									
RIVO	RIVO	81.900*	Max WS	13.88	154.86	156.15	156.34	156.74	0.028748	3.51	4.87	12.38	1.21
RIVO	RIVO	81.800*	Max WS	13.87	154.73	156.01	156.19	156.59	0.027233	3.54	5.01	11.47	1.20
RIVO	RIVO	81.700*	Max WS	13.87	154.59	155.88	156.05	156.44	0.025333	3.55	5.16	10.65	1.17
RIVO	RIVO	81.600*	Max WS	13.87	154.46	155.76	155.91	156.30	0.023115	3.55	5.32	9.87	1.13
RIVO	RIVO	81.500*	Max WS	13.87	154.32	155.65	155.78	156.17	0.020927	3.55	5.47	9.09	1.10
RIVO	RIVO	81.400*	Max WS	13.87	154.18	155.55	155.66	156.06	0.019122	3.59	5.56	8.30	1.07
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	13.87	154.05	155.45	155.55	155.97	0.018095	3.69	5.56	7.48	1.06
RIVO	RIVO	81.200*	Max WS	13.87	153.91	155.36	155.46	155.92	0.018280	3.93	5.41	6.62	1.09
RIVO	RIVO	81.100*	Max WS	13.87	153.78	155.27	155.40	155.93	0.020511	4.39	5.05	5.68	1.18
RIVO	RIVO	81	Max WS	13.87	153.64	155.15	155.38	156.08	0.027647	5.34	4.42	4.72	1.41
RIVO	RIVO	80.923*	Max WS	13.87	153.53	155.02	155.24	155.89	0.026619	5.17	4.58	5.16	1.38
RIVO	RIVO	80.846*	Max WS	13.87	153.42	154.89	155.10	155.71	0.025816	5.04	4.73	5.59	1.35
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	13.87	153.31	154.77	154.98	155.56	0.025189	4.93	4.86	6.03	1.33
RIVO	RIVO	80.692*	Max WS	13.87	153.20	154.65	154.86	155.41	0.024671	4.84	4.98	6.46	1.31
RIVO	RIVO	80.615*	Max WS	13.87	153.09	154.53	154.73	155.27	0.024286	4.76	5.09	6.90	1.29
RIVO	RIVO	80.538*	Max WS	13.86	152.98	154.42	154.61	155.14	0.024015	4.70	5.19	7.33	1.28
RIVO	RIVO	80.462*	Max WS	13.87	152.87	154.30	154.50	155.02	0.023802	4.65	5.27	7.77	1.27
RIVO	RIVO	80.385*	Max WS	13.87	152.76	154.19	154.39	154.90	0.023790	4.61	5.34	8.20	1.27
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	13.87	152.65	154.07	154.29	154.79	0.023971	4.60	5.37	8.64	1.27
RIVO	RIVO	80.231*	Max WS	13.86	152.54	153.96	154.18	154.69	0.024461	4.61	5.37	9.07	1.28
RIVO	RIVO	80.154*	Max WS	13.86	152.43	153.84	154.07	154.60	0.025484	4.66	5.32	9.51	1.30
RIVO	RIVO	80.077*	Max WS	13.86	152.32	153.71	153.97	154.54	0.027794	4.79	5.15	9.94	1.35
RIVO	RIVO	80	Max WS	13.86	152.21	153.57	153.83	154.42	0.029183	4.81	4.74	7.74	1.38
RIVO	RIVO	79.875*	Max WS	13.85	152.06	153.45	153.72	154.32	0.028558	4.87	5.01	9.93	1.37
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	13.81	151.91	153.33	153.57	154.12	0.024791	4.67	5.22	9.49	1.29
RIVO	RIVO	79.625*	Max WS	13.67	151.76	153.23	153.42	153.90	0.019996	4.34	5.57	9.04	1.18
RIVO	RIVO	79.500*	Max WS	13.50	151.61	153.15	153.28	153.69	0.015260	3.96	6.04	8.59	1.04
RIVO	RIVO	79.375*	Max WS	13.43	151.46	153.09	152.70	153.53	0.011481	3.60	6.61	8.14	0.92
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	13.19	151.31	153.07		153.40	0.007882	3.17	7.38	7.69	0.77
RIVO	RIVO	79.125*	Max WS	13.13	151.16	153.07		153.33	0.005571	2.84	8.21	7.25	0.66
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	13.11	151.01	153.07		153.30	0.004254	2.63	8.88	6.80	0.59
RIVO	RIVO	78.500*	Max WS	13.28	150.90	153.11		153.26	0.002611	2.12	10.68	7.21	0.46
RIVO	RIVO	78	Max WS	13.49	150.76	153.13		153.23	0.001815	1.79	12.38	7.63	0.38
RIVO	RIVO	77.500*	Max WS	13.52	150.73	153.13		153.23	0.001866	1.89	14.03	11.20	0.39
RIVO	RIVO	77	Max WS	13.27	150.69	153.13		153.22	0.001910	1.98	15.49	14.77	0.40
RIVO	RIVO	76.750*	Max WS	13.21	150.72	153.13		153.22	0.001909	1.96	15.14	13.39	0.40
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	13.24	150.74	153.12		153.21	0.001984	1.98	14.60	12.00	0.41
RIVO	RIVO	76.250*	Max WS	13.36	150.77	153.11		153.20	0.002155	2.04	13.87	10.62	0.43
RIVO	RIVO	76.05		Lat Struct									
RIVO	RIVO	76	Max WS	13.29	150.80	153.10		153.19	0.002328	2.09	13.01	9.24	0.44
RIVO	RIVO	75.750*	Max										

HEC-RAS Plan: S0_TR50* Profile: Max WS (Continued)

IEC-RAS Plan: S0 TR50* Profile: Max WS (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 # Ch
RIVO	RIVO	74.668		Lat Struct									
RIVO	RIVO	74.667*	Max WS	13.47	150.12	153.09		153.15	0.000793	1.44	16.69	7.70	0.27
RIVO	RIVO	74.333*	Max WS	13.52	150.05	153.09		153.14	0.000633	1.31	18.30	8.11	0.24
RIVO	RIVO	74	Max WS	13.36	149.97	153.10	151.37	153.14	0.000495	1.18	19.98	8.53	0.21
RIVO	RIVO	73.50 Strada Vicinale		Bridge									
RIVO	RIVO	73	Max WS	12.18	149.54	150.80		151.03	0.005411	2.13	5.75	4.64	0.61
RIVO	RIVO	72.63		Lat Struct									
RIVO	RIVO	72.5		Lat Struct									
RIVO	RIVO	72	Max WS	12.18	149.54	150.78	150.45	151.02	0.005770	2.16	5.65	4.66	0.63
RIVO	RIVO	71.50 Strada Vicinale		Bridge									
RIVO	RIVO	71	Max WS	13.35	149.21	150.67		150.95	0.006444	2.33	5.78	4.63	0.66
RIVO	RIVO	70.6		Lat Struct									
RIVO	RIVO	70.5		Lat Struct									
RIVO	RIVO	70	Max WS	13.35	149.00	150.62		150.99	0.008975	2.95	5.97	5.79	0.79
RIVO	RIVO	69.936		Lat Struct									
RIVO	RIVO	69.834		Lat Struct									
RIVO	RIVO	69.833*	Max WS	13.35	148.95	150.65		150.84	0.003776	2.02	7.96	6.54	0.52
RIVO	RIVO	69.667*	Max WS	13.35	148.90	150.70		150.80	0.001769	1.47	10.36	7.33	0.36
RIVO	RIVO	69.500*	Max WS	13.35	148.85	150.73		150.79	0.000959	1.13	12.89	8.10	0.27
RIVO	RIVO	69.333*	Max WS	13.35	148.80	150.74		150.78	0.000570	0.91	15.57	8.87	0.21
RIVO	RIVO	69	Max WS	13.35	148.68	150.76	149.25	150.78	0.000237	0.62	21.38	10.45	0.14
RIVO	RIVO	68.50 Strada Vicinale		Bridge									
RIVO	RIVO	68	Max WS	13.35	148.30	150.59		150.63	0.000357	0.81	17.63	8.55	0.17
RIVO	RIVO	67.6		Lat Struct									
RIVO	RIVO	67.5		Lat Struct									
RIVO	RIVO	67	Max WS	13.35	147.90	150.46	149.32	150.66	0.001868	1.99	7.11	13.66	0.40
RIVO	RIVO	66.50 Ferrovia		Bridge									
RIVO	RIVO	66	Max WS	13.35	147.32	148.47	148.88	149.87	0.043439	5.24	2.55	3.81	1.66
RIVO	RIVO	65.931		Lat Struct									
RIVO	RIVO	65.930		Lat Struct									
RIVO	RIVO	65.929*	Max WS	13.35	147.19	148.30	148.54	149.23	0.030474	4.33	3.41	3.84	1.39
RIVO	RIVO	65.857*	Max WS	13.35	147.06	148.16	148.39	149.07	0.030263	4.32	3.44	3.90	1.38
RIVO	RIVO	65.786*	Max WS	13.35	146.93	148.01	148.25	148.92	0.029833	4.29	3.47	3.96	1.38
RIVO	RIVO	65.714*	Max WS	13.35	146.79	147.88	148.10	148.76	0.029284	4.26	3.51	4.01	1.36
RIVO	RIVO	65.643*	Max WS	13.35	146.66	147.74	147.96	148.61	0.028386	4.21	3.57	4.07	1.34
RIVO	RIVO	65.571*	Max WS	13.35	146.53	147.61	147.81	148.44	0.027011	4.14	3.64	4.14	1.31
RIVO	RIVO	65.506		Lat Struct									
RIVO	RIVO	65.501		Lat Struct									
RIVO	RIVO	65.500*	Max WS	13.35	146.40	147.49	147.66	148.28	0.025010	4.03	3.76	4.21	1.27
RIVO	RIVO	65.429*	Max WS	13.35	146.27	147.38	147.52	148.11	0.022436	3.89	3.91	4.30	1.21
RIVO	RIVO	65.357*	Max WS	13.35	146.14	147.28	147.38	147.94	0.019344	3.71	4.13	4.40	1.13
RIVO	RIVO	65.286*	Max WS	13.35	146.01	147.20	147.23	147.78	0.016029	3.50	4.42	4.53	1.04
RIVO	RIVO	65.214*	Max WS	13.35	145.87	147.13	147.09	147.64	0.012837	3.26	4.80	4.68	0.94
RIVO	RIVO	65.143*	Max WS	13.35	145.74	147.07		147.50	0.010005	3.01	5.25	4.85	0.84
RIVO	RIVO	65.076		Lat Struct									
RIVO	RIVO	65.075		Lat Struct									
RIVO	RIVO	65.071*	Max WS	13.35	145.60	147.04		147.40	0.007562	2.76	5.82	5.06	0.74
RIVO	RIVO	65	Max WS	13.35	145.46	147.03	146.64	147.33	0.005493	2.50	6.19	6.82	0.64
RIVO	RIVO	64.50 Passerella Pedon		Bridge									
RIVO	RIVO	64	Max WS	13.35	145.29	146.42	146.55	147.17	0.021007	3.88	3.78	3.79	1.18
RIVO	RIVO	63.940		Lat Struct									
RIVO	RIVO	63.939		Lat Struct									
RIVO	RIVO	63.938*	Max WS	13.35	145.19	146.32	146.45	147.06	0.020956	3.88	3.79	3.80	1.18
RIVO	RIVO	63.875*	Max WS	13.35	145.09	146.22	146.35	146.96	0.020946	3.88	3.79	3.81	1.18
RIVO	RIVO	63.813*	Max WS	13.35	144.99	146.12	146.24	146.86	0.020922	3.88	3.80	3.82	1.18
RIVO	RIVO	63.750*	Max WS	13.35	144.89	146.02	146.14	146.76	0.020892	3.88	3.81	3.84	1.17
RIVO	RIVO	63.688*	Max WS	13.35	144.79	145.92	146.04	146.66	0.020846	3.88	3.81	3.85	1.17
RIVO	RIVO	63.625*	Max WS	13.35	144.69	145.82	145.94	146.56	0.020786	3.87	3.82	3.86	1.17
RIVO	RIVO	63.566		Lat Struct									
RIVO	RIVO	63.565		Lat Struct									
RIVO	RIVO	63.563*	Max WS	13.35	144.59	145.72	145.84	146.46	0.020758	3.87	3.83	3.87	1.17
RIVO	RIVO	63.500*	Max WS	13.35	144.50	145.62	145.74	146.36	0.020707	3.87	3.84	3.89	1.17
RIVO	RIVO	63.438*	Max WS	13.35	144.40	145.52	145.64	146.26	0.020644	3.87	3.85	3.90	1.17
RIVO	RIVO	63.375*	Max WS	13.35	144.30	145.42	145.54	146.16	0.020576	3.86	3.86	3.92	1.17
RIVO	RIVO	63.313*	Max WS	13.35	144.20	145.32	145.44	146.05	0.020509	3.86	3.87	3.93	1.16
RIVO	RIVO	63.250*	Max WS	13.35	144.10	145.22	145.34	145.95	0.020411	3.85	3.88	3.95	1.16
RIVO	RIVO	63.190		Lat Struct									
RIVO	RIVO	63.189		Lat Struct									
RIVO	RIVO	63.188*	Max WS	13.35	144.00	145.12	145.24	145.85	0.020287	3.85	3.90	3.96	1.16
RIVO	RIVO	63.125*	Max WS	13.35	143.90	145.03	145.15	145.75	0.020171	3.84	3.91	3.98	1.16
RIVO	RIVO	63.063*	Max WS	13.35	143.80	144.93	145.05	145.65	0.019982	3.83	3.93	4.00	1.15
RIVO	RIVO	63	Max WS	13.35	143.70	144.84	144.95	145.55	0.019786	3.82	3.95	4.01	1.15
RIVO	RIVO	62.952*	Max WS	13.35	143.59	144.74	144.85	145.45	0.019261	3.80	4.02	4.08	1.13
RIVO	RIVO	62.905*	Max WS	13.35	143.48	144.65	144.75	145.34	0.018643	3.78	4.09	4.16	1.12
RIVO	RIVO	62.859		Lat Struct									
RIVO	RIVO	62.858		Lat Struct									
RIVO	RIVO	62.857*	Max WS	13.35	143.37	144.56	144.65	145.24	0.017859	3.74	4.18	4.24	1.10
RIVO	RIVO	62.810*	Max WS	13.35	143.27	144.48	144.55	145.13	0.016957	3.70	4.29	4.33	1.07
RIVO	RIVO	62.762*	Max WS	13.35	143.16	144.40	144.45	145.02	0.015889	3.64	4.42	4.42	1.04
RIVO	RIVO	62.714*	Max WS	13.35	143.05	144.33	144.35	144.92	0.014715	3.56	4.57	4.53	1.01
RIVO	RIVO	62.667*	Max WS	13.35	142.94	144.26	144.25	144.82	0.013412	3.47	4.76	4.65	0.97
RIVO	RIVO	62.619*	Max WS	13.35	142.83	144.20	144.15	144.72	0.012074	3.37	4.98	4.78	0.92
RIVO	RIVO	62.573		Lat Struct									
RIVO	RIVO	62.572		Lat Struct									
RIVO	RIVO	62.571*	Max WS	13.35	142.72	144.14	144.05	144.62	0.010723	3.26	5.25	4.93	0.88
RIVO	RIVO	62.524*	Max WS	13.35	142.61	144.10		144.53	0.009375	3.14	5.56	5.11	0.82
RIVO	RIVO	62.476*	Max WS	13.35	142.51	144.07		144.47	0.008128	3.02	5.97	5.88	0.77
RIVO	RIVO	62.429*	Max WS	13.35	142.40	144.04		144.39	0.006732	2.85	6.49	6.17	0.71
RIVO	RIVO	62.381*	Max WS	13.35	142.29	144.03		144.34	0.005668	2.71	7.10	7.06	0.66
RIVO	RIVO	62.333*	Max WS	13.35	142.18	144.02		144.31	0.005006	2.63	7.89	10.86	0.62
RIVO	RIVO	62.288		Lat Struct									
RIVO	RIVO	62.287		Lat Struct									
RIVO	RIVO	62.286*	Max WS	13.35	142.07	144.02		144.25	0.003906	2.42	9.11	12.00	0.56
RIVO	RIVO	62.238*	Max WS	13.34	141.96	144.02		144.22	0.003074	2.23	10.35	12.52	0.50
RIVO	RIVO	62.190*	Max WS	13.29	141.85	144.04		144.19	0.002353	2.02	11.85	13.33	0.44
RIVO	RIVO	62.143*	Max WS	13.20	141.75	144.05		144.16	0.001773	1.82	13.06	12.06	0.38
RIVO	RIVO	62.095*	Max WS	13.01	141.64	144.05		144.15	0.001402	1.67	13.86	10.79	0.34
RIVO	RIVO	62.048*	Max WS	12.84	141.53	144.06		144.14	0.001174	1.57	14.26	9.53	0.32
RIVO	RIVO	62.03		Lat Struct									
RIVO	RIVO	62.02		Lat Struct									
RIVO	RIVO	62	Max WS	12.68	141.42	144.06		144.13	0.001039	1.52	14.29	8.26	0.30
RIVO	RIVO	61.667*	Max WS	12.35	141.27	144.06		144.13	0.000907	1.47	14.67	7.80	0.28
RIVO	RIVO	61.333*	Max WS	11.97	141.11	144.06		144.13	0.000814	1.44	14.87	7.34	0.27
RIVO	RIVO	61	Max WS	11.49	140.94	144.07	142.54	144.13	0.000743	1.41	14.92	6.88	0.26
RIVO	RIVO	60.50 Via dei Colombi		Bridge									

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
RIVO	RIVO	60	Max WS	11.49	140.99	142.44		142.97	0.010344	3.24	3.62	2.91	0.86
RIVO	RIVO	59.670	Lat Struct										
RIVO	RIVO	59.668	Lat Struct										
RIVO	RIVO	59.667*	Max WS	11.49	140.87	142.40		142.86	0.008417	3.03	4.22	2.90	0.78
RIVO	RIVO	59.333*	Max WS	11.50	140.74	142.38		142.79	0.007040	2.87	4.45	2.90	0.72
RIVO	RIVO	59	Max WS	11.54	140.62	142.38		142.75	0.005942	2.73	4.73	2.90	0.67
RIVO	RIVO	58.833*	Max WS	11.54	140.53	142.37		142.70	0.004955	2.59	5.06	3.40	0.62
RIVO	RIVO	58.667*	Max WS	11.56	140.43	142.37		142.67	0.004034	2.44	5.69	4.53	0.56
RIVO	RIVO	58.500*	Max WS	11.58	140.34	142.39		142.63	0.003184	2.25	6.51	4.82	0.51
RIVO	RIVO	58.335	Lat Struct										
RIVO	RIVO	58.334	Lat Struct										
RIVO	RIVO	58.333*	Max WS	11.56	140.25	142.41		142.60	0.002438	2.05	7.45	4.97	0.45
RIVO	RIVO	58.167*	Max WS	11.63	140.14	142.42		142.58	0.001910	1.88	8.45	5.11	0.40
RIVO	RIVO	58	Max WS	11.59	140.02	142.35	141.40	142.58	0.002402	2.13	5.75	5.25	0.45
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	11.59	139.79	141.31	141.40	142.16	0.016658	4.11	3.09	2.37	1.09
RIVO	RIVO	56.805	Lat Struct										
RIVO	RIVO	56.802	Lat Struct										
RIVO	RIVO	56.800*	Max WS	11.62	139.74	141.23	141.32	142.07	0.016494	4.08	3.12	2.39	1.09
RIVO	RIVO	56.600*	Max WS	11.62	139.69	141.16	141.23	141.98	0.016200	4.03	3.14	2.40	1.08
RIVO	RIVO	56.400*	Max WS	11.62	139.64	141.10	141.15	141.90	0.015880	3.98	3.16	2.42	1.07
RIVO	RIVO	56.200*	Max WS	11.62	139.59	141.03	141.08	141.81	0.015565	3.93	3.19	2.44	1.06
RIVO	RIVO	56	Max WS	11.61	139.54	140.96	141.00	141.72	0.015218	3.88	3.22	2.46	1.04
RIVO	RIVO	55.909*	Max WS	11.61	139.44	140.89	140.91	141.63	0.014417	3.84	3.27	2.45	1.02
RIVO	RIVO	55.820	Lat Struct										
RIVO	RIVO	55.819	Lat Struct										
RIVO	RIVO	55.818*	Max WS	11.59	139.33	140.82	140.81	141.54	0.013513	3.78	3.32	2.44	0.99
RIVO	RIVO	55.727*	Max WS	11.59	139.22	140.76	140.72	141.46	0.012612	3.72	3.39	2.43	0.96
RIVO	RIVO	55.636*	Max WS	11.59	139.12	140.70	140.63	141.38	0.011702	3.66	3.47	2.42	0.93
RIVO	RIVO	55.545*	Max WS	11.59	139.01	140.65		141.30	0.010785	3.59	3.55	2.41	0.90
RIVO	RIVO	55.455*	Max WS	11.57	138.91	140.60		141.22	0.009874	3.51	3.64	2.40	0.86
RIVO	RIVO	55.364*	Max WS	11.57	138.80	140.55		141.15	0.009025	3.44	3.75	2.40	0.83
RIVO	RIVO	55.276	Lat Struct										
RIVO	RIVO	55.274	Lat Struct										
RIVO	RIVO	55.273*	Max WS	11.56	138.70	140.51		141.08	0.008204	3.36	3.86	2.40	0.80
RIVO	RIVO	55.182*	Max WS	11.55	138.59	140.48		141.02	0.007358	3.27	3.99	2.44	0.76
RIVO	RIVO	55.091*	Max WS	11.54	138.49	140.46		140.96	0.006535	3.17	4.16	2.61	0.72
RIVO	RIVO	55	Max WS	11.48	138.38	140.44		140.91	0.005733	3.06	4.37	2.78	0.68
RIVO	RIVO	54.909*	Max WS	11.50	138.31	140.42		140.88	0.005534	3.04	4.39	2.75	0.67
RIVO	RIVO	54.818*	Max WS	11.52	138.25	140.39		140.85	0.005331	3.03	4.42	2.72	0.66
RIVO	RIVO	54.729	Lat Struct										
RIVO	RIVO	54.728	Lat Struct										
RIVO	RIVO	54.727*	Max WS	11.50	138.18	140.37		140.82	0.005089	3.00	4.45	2.68	0.65
RIVO	RIVO	54.636*	Max WS	11.42	138.12	140.36		140.79	0.004784	2.95	4.49	2.65	0.63
RIVO	RIVO	54.545*	Max WS	11.39	138.05	140.34		140.77	0.004533	2.92	4.53	2.62	0.62
RIVO	RIVO	54.455*	Max WS	11.31	137.99	140.32		140.74	0.004310	2.88	4.54	2.59	0.60
RIVO	RIVO	54.364*	Max WS	11.36	137.92	140.30		140.71	0.004221	2.88	4.56	2.56	0.60
RIVO	RIVO	54.273*	Max WS	11.40	137.86	140.28		140.70	0.004068	2.87	4.59	2.52	0.59
RIVO	RIVO	54.184	Lat Struct										
RIVO	RIVO	54.183	Lat Struct										
RIVO	RIVO	54.182*	Max WS	11.31	137.79	140.28		140.68	0.003799	2.82	4.64	2.49	0.57
RIVO	RIVO	54.091*	Max WS	11.34	137.73	140.26		140.66	0.003686	2.81	4.66	2.46	0.57
RIVO	RIVO	54	Max WS	11.78	137.66	140.20		140.64	0.004101	2.97	4.56	2.43	0.60
RIVO	RIVO	53.900*	Max WS	11.89	137.58	140.21		140.61	0.003507	2.81	4.80	2.45	0.55
RIVO	RIVO	53.800*	Max WS	12.00	137.50	140.23		140.59	0.003019	2.67	5.05	2.47	0.52
RIVO	RIVO	53.700*	Max WS	12.11	137.43	140.25		140.57	0.002610	2.54	5.30	2.50	0.48
RIVO	RIVO	53.600*	Max WS	12.20	137.35	140.27		140.56	0.002257	2.42	5.57	2.52	0.45
RIVO	RIVO	53.500*	Max WS	12.20	137.27	140.29		140.55	0.001922	2.28	5.86	2.54	0.42
RIVO	RIVO	53.400*	Max WS	12.09	137.19	140.32		140.55	0.001605	2.13	6.18	2.56	0.39
RIVO	RIVO	53.300*	Max WS	11.95	137.11	140.35		140.55	0.001342	1.99	6.49	2.58	0.35
RIVO	RIVO	53.200*	Max WS	11.79	137.04	140.37		140.55	0.001125	1.86	6.81	2.61	0.33
RIVO	RIVO	53.100*	Max WS	11.62	136.96	140.39		140.55	0.000947	1.74	7.14	2.63	0.30
RIVO	RIVO	53	Max WS	11.42	136.88	140.41	138.40	140.55	0.000799	1.63	7.46	2.65	0.28
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	11.42	136.37	137.77	137.97	138.75	0.023384	4.38	2.61	3.05	1.24
RIVO	RIVO	51.755	Lat Struct										
RIVO	RIVO	51.751	Lat Struct										
RIVO	RIVO	51.750*	Max WS	11.42	136.26	137.67	137.78	138.41	0.017961	3.87	3.38	3.40	1.09
RIVO	RIVO	51.500*	Max WS	11.41	136.15	137.59	137.71	138.32	0.017114	3.87	3.42	3.69	1.08
RIVO	RIVO	51.250*	Max WS	11.41	136.04	137.51	137.65	138.25	0.016429	3.90	3.40	3.73	1.06
RIVO	RIVO	51	Max WS	11.41	135.93	137.43	137.46	138.18	0.015669	3.91	3.35	3.41	1.05
RIVO	RIVO	50.800*	Max WS	11.40	135.82	137.37	137.38	138.00	0.012558	3.60	3.69	3.69	0.95
RIVO	RIVO	50.600*	Max WS	11.40	135.70	137.32	137.22	137.85	0.009889	3.29	4.09	4.01	0.84
RIVO	RIVO	50.403	Lat Struct										
RIVO	RIVO	50.402	Lat Struct										
RIVO	RIVO	50.400*	Max WS	11.40	135.59	137.28		137.72	0.007682	3.00	4.56	4.36	0.75
RIVO	RIVO	50.200*	Max WS	11.40	135.47	137.26		137.61	0.005852	2.71	5.13	4.75	0.66
RIVO	RIVO	50	Max WS	11.40	135.36	137.26	136.76	137.54	0.004234	2.41	5.92	5.25	0.57
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	11.40	135.23	136.85	136.86	137.43	0.012211	3.65	4.36	4.50	0.93
RIVO	RIVO	48.835	Lat Struct										
RIVO	RIVO	48.834	Lat Struct										
RIVO	RIVO	48.833*	Max WS	11.40	135.16	136.80	136.75	137.32	0.010502	3.44	4.58	4.58	0.87
RIVO	RIVO	48.667*	Max WS	11.39	135.09	136.76	136.63	137.22	0.008942	3.22	4.83	4.67	0.81
RIVO	RIVO	48.500*	Max WS	11.39	135.02	136.74		137.14	0.007376	2.99	5.17	4.80	0.74
RIVO	RIVO	48.333*	Max WS	11.39	134.96	136.73		137.07	0.005923	2.75	5.60	4.96	0.67
RIVO	RIVO	48.167*	Max WS	11.39	134.89	136.73		137.02	0.004694	2.52	6.10	5.14	0.60
RIVO	RIVO	48	Max WS	11.39	134.82	136.74		136.98	0.003728	2.32	6.64	5.31	0.54
RIVO	RIVO	47.835	Lat Struct										
RIVO	RIVO	47.834	Lat Struct										
RIVO	RIVO	47.833*	Max WS	11.39	134.82	136.72		136.97	0.003856	2.34	6.69	5.57	0.55
RIVO	RIVO	47.667*	Max WS	11.39	134.81	136.71		136.95	0.004029	2.37	6.69	5.82	0.56
RIVO	RIVO	47.500*	Max WS	11.39	134.81	136.68		136.94	0.004264	2.41	6.66	6.06	0.57
RIVO	RIVO	47.333*	Max WS	11.39	134.81	136.66		136.92	0.004571	2.47	6.58	6.26	0.59
RIVO	RIVO	47.167*	Max WS	11.39	134.80	136.63		136.91	0.004977	2.55	6.44	6.43	0.61
RIVO	RIVO	47	Max WS	11.39	134.80	136.59	136.32	136.89	0.005521	2.64	6.25	6.56	0.64
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	11.26	134.50	136.02	135.96	136.51	0.009964	3.30	4.57	4.86	0.85
RIVO	RIVO	45.755	Lat Struct										
RIVO	RIVO	45.752	Lat Struct										
RIVO	RIVO	45.750*	Max WS	11.26	133.98	135.98		136.32	0.005047	2.70	5.55	4.91	0.63
RIVO	RIVO	45.500*	Max WS	11.25	133.96	135.98		136.28	0.004454	2.57	5.90	5.06	0.59
RIVO	RIVO	45.250*	Max WS	11.25	133.93	135.97		136.25	0.003887	2.45	6.31	5.22	0.56
RIVO	RIVO	45	Max WS	11.25	133.91	135.98		136.22	0.003372	2.32			

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO	44.931*	Max WS	11.24	133.86	135.99		136.20	0.002987	2.22	7.22	5.80	0.49
RIVO	RIVO	44.897*	Max WS	11.24	133.83	135.99		136.20	0.002833	2.18	7.42	5.99	0.48
RIVO	RIVO	44.862*	Max WS	11.24	133.81	135.99		136.19	0.002691	2.15	7.61	6.17	0.47
RIVO	RIVO	44.828*	Max WS	11.24	133.78	135.99		136.19	0.002568	2.12	7.79	6.34	0.46
RIVO	RIVO	44.793*	Max WS	11.24	133.76	136.00		136.18	0.002453	2.09	7.96	6.49	0.45
RIVO	RIVO	44.759*	Max WS	11.24	133.73	136.00		136.18	0.002351	2.06	8.12	6.63	0.44
RIVO	RIVO	44.724*	Max WS	11.24	133.70	136.00		136.18	0.002257	2.03	8.27	6.75	0.43
RIVO	RIVO	44.690*	Max WS	11.24	133.68	136.00		136.17	0.002169	2.01	8.42	6.87	0.43
RIVO	RIVO	44.655*	Max WS	11.24	133.65	136.00		136.17	0.002088	1.99	8.56	6.98	0.42
RIVO	RIVO	44.623	Lat Struct										
RIVO	RIVO	44.622	Lat Struct										
RIVO	RIVO	44.621*	Max WS	11.24	133.63	136.00		136.17	0.002013	1.97	8.70	7.07	0.41
RIVO	RIVO	44.586*	Max WS	11.23	133.60	136.00		136.16	0.001941	1.94	8.83	7.15	0.40
RIVO	RIVO	44.552*	Max WS	11.23	133.57	136.00		136.16	0.001870	1.92	8.97	7.21	0.40
RIVO	RIVO	44.517*	Max WS	11.23	133.55	136.00		136.16	0.001806	1.90	9.10	7.25	0.39
RIVO	RIVO	44.502	Lat Struct										
RIVO	RIVO	44.483*	Max WS	11.23	133.52	136.01		136.15	0.001741	1.88	9.24	7.28	0.39
RIVO	RIVO	44.448*	Max WS	11.23	133.50	136.01		136.15	0.001679	1.86	9.38	7.29	0.38
RIVO	RIVO	44.414*	Max WS	11.23	133.47	136.01		136.15	0.001615	1.84	9.53	7.28	0.37
RIVO	RIVO	44.379*	Max WS	11.23	133.44	136.01		136.15	0.001554	1.82	9.69	7.25	0.37
RIVO	RIVO	44.345*	Max WS	11.23	133.42	136.01		136.14	0.001495	1.79	9.86	7.27	0.36
RIVO	RIVO	44.310*	Max WS	11.23	133.39	136.01		136.14	0.001444	1.78	10.03	7.42	0.35
RIVO	RIVO	44.276*	Max WS	11.23	133.37	136.01		136.14	0.001396	1.76	10.20	7.57	0.35
RIVO	RIVO	44.241*	Max WS	11.22	133.34	136.01		136.14	0.001349	1.74	10.38	7.74	0.34
RIVO	RIVO	44.207*	Max WS	11.22	133.32	136.01		136.13	0.001306	1.72	10.56	7.92	0.34
RIVO	RIVO	44.172*	Max WS	11.22	133.29	136.01		136.13	0.001264	1.71	10.74	8.12	0.33
RIVO	RIVO	44.138*	Max WS	11.22	133.26	136.01		136.13	0.001226	1.69	10.92	8.35	0.33
RIVO	RIVO	44.103*	Max WS	11.22	133.24	136.01		136.13	0.001190	1.68	11.11	8.61	0.32
RIVO	RIVO	44.069*	Max WS	11.22	133.21	136.02		136.13	0.001156	1.66	11.31	8.91	0.32
RIVO	RIVO	44.034*	Max WS	11.22	133.19	136.02		136.12	0.001126	1.65	11.50	9.28	0.32
RIVO	RIVO	44	Max WS	11.22	133.16	136.02		136.12	0.001095	1.64	11.71	9.68	0.31
RIVO	RIVO	43.6685	Lat Struct										
RIVO	RIVO	43.668	Lat Struct										
RIVO	RIVO	43.667*	Max WS	11.21	133.11	136.01		136.12	0.001002	1.56	12.33	12.95	0.30
RIVO	RIVO	43.334	Lat Struct										
RIVO	RIVO	43.333*	Max WS	11.20	133.06	136.03		136.10	0.000731	1.32	14.95	13.74	0.25
RIVO	RIVO	43	Max WS	11.20	133.01	136.03	134.44	136.10	0.000750	1.32	12.89	8.12	0.25
RIVO	RIVO	42.50	Bridge										
RIVO	RIVO	42	Max WS	0.91	132.36	134.45		134.46	0.000080	0.36	3.41	3.00	0.08
RIVO	RIVO	41.650*	Max WS	0.87	132.36	134.45		134.46	0.000079	0.36	3.29	2.93	0.08
RIVO	RIVO	41.300	Max WS	0.86	132.36	134.45		134.46	0.000070	0.34	3.43	3.00	0.08
RIVO	RIVO	41.250*	Max WS	13.89	132.36	134.38	134.94	136.13	0.022702	6.02	3.10	2.82	1.35
RIVO	RIVO	41.200	Max WS	13.89	132.36	134.37	134.85	135.90	0.021261	5.79	3.21	2.14	1.31
RIVO	RIVO MEDIO	41	Max WS	15.21	131.99	134.37		134.96	0.005955	3.42	4.65	2.24	0.71
RIVO	RIVO MEDIO	40.802	Lat Struct										
RIVO	RIVO MEDIO	40.801	Lat Struct										
RIVO	RIVO MEDIO	40.800*	Max WS	15.03	131.95	134.37		134.89	0.005145	3.21	4.79	2.04	0.66
RIVO	RIVO MEDIO	40.600*	Max WS	14.83	131.90	134.39		134.85	0.004290	2.99	5.07	2.09	0.61
RIVO	RIVO MEDIO	40.400*	Max WS	14.56	131.86	134.43		134.82	0.003486	2.75	5.39	2.15	0.55
RIVO	RIVO MEDIO	40.200*	Max WS	14.19	131.81	134.48		134.80	0.002775	2.51	5.75	2.21	0.49
RIVO	RIVO MEDIO	40	Max WS	13.71	131.77	134.53	133.38	134.80	0.002166	2.27	6.14	2.27	0.44
RIVO	RIVO MEDIO	39.50	Accesso Privato	Bridge									
RIVO	RIVO MEDIO	39	Max WS	13.65	131.53	132.51	132.63	133.19	0.023083	3.66	3.73	4.04	1.20
RIVO	RIVO MEDIO	38.669	Lat Struct										
RIVO	RIVO MEDIO	38.668	Lat Struct										
RIVO	RIVO MEDIO	38.667*	Max WS	13.65	131.29	132.43	132.43	132.97	0.015231	3.28	4.46	4.42	1.00
RIVO	RIVO MEDIO	38.333*	Max WS	13.65	131.05	132.37		132.78	0.009657	2.88	5.39	4.98	0.82
RIVO	RIVO MEDIO	38	Max WS	13.38	130.80	132.35		132.63	0.005677	2.44	6.70	6.08	0.64
RIVO	RIVO MEDIO	37.667*	Max WS	13.57	130.68	132.30		132.64	0.006696	2.75	6.26	5.30	0.70
RIVO	RIVO MEDIO	37.333*	Max WS	13.56	130.57	132.23		132.67	0.008419	3.17	5.70	4.81	0.79
RIVO	RIVO MEDIO	37	Max WS	13.60	130.45	132.18	132.13	132.78	0.011333	3.79	5.14	4.37	0.93
RIVO	RIVO MEDIO	36.964	Lat Struct										
RIVO	RIVO MEDIO	36.963	Lat Struct										
RIVO	RIVO MEDIO	36.962*	Max WS	13.56	130.40	132.12	132.07	132.71	0.011285	3.77	5.16	4.42	0.92
RIVO	RIVO MEDIO	36.923*	Max WS	13.56	130.36	132.06	132.02	132.65	0.011315	3.76	5.17	4.46	0.93
RIVO	RIVO MEDIO	36.885*	Max WS	13.56	130.31	132.01	131.96	132.59	0.011342	3.75	5.19	4.50	0.93
RIVO	RIVO MEDIO	36.846*	Max WS	13.52	130.26	131.95	131.90	132.53	0.011313	3.73	5.21	4.55	0.92
RIVO	RIVO MEDIO	36.808*	Max WS	13.52	130.21	131.89	131.85	132.47	0.011336	3.72	5.22	4.60	0.92
RIVO	RIVO MEDIO	36.769*	Max WS	13.52	130.17	131.84	131.79	132.41	0.011350	3.71	5.24	4.64	0.92
RIVO	RIVO MEDIO	36.733	Lat Struct										
RIVO	RIVO MEDIO	36.732	Lat Struct										
RIVO	RIVO MEDIO	36.731*	Max WS	13.49	130.12	131.78	131.73	132.35	0.011329	3.70	5.26	4.69	0.92
RIVO	RIVO MEDIO	36.692*	Max WS	13.49	130.07	131.73	131.68	132.29	0.011366	3.69	5.27	4.74	0.92
RIVO	RIVO MEDIO	36.654*	Max WS	13.49	130.02	131.67	131.62	132.23	0.011389	3.68	5.29	4.79	0.92
RIVO	RIVO MEDIO	36.615*	Max WS	13.49	129.98	131.61	131.57	132.17	0.011423	3.67	5.31	4.84	0.92
RIVO	RIVO MEDIO	36.577*	Max WS	13.46	129.93	131.56	131.51	132.10	0.011414	3.65	5.32	4.89	0.92
RIVO	RIVO MEDIO	36.538*	Max WS	13.47	129.88	131.50	131.45	132.04	0.011458	3.65	5.34	4.94	0.92
RIVO	RIVO MEDIO	36.502	Lat Struct										
RIVO	RIVO MEDIO	36.501	Lat Struct										
RIVO	RIVO MEDIO	36.500*	Max WS	13.47	129.84	131.44	131.40	131.98	0.011513	3.64	5.35	4.99	0.92
RIVO	RIVO MEDIO	36.462*	Max WS	13.41	129.79	131.38	131.34	131.92	0.011459	3.62	5.36	5.04	0.92
RIVO	RIVO MEDIO	36.423*	Max WS	13.41	129.74	131.33	131.28	131.86	0.011505	3.61	5.38	5.09	0.92
RIVO	RIVO MEDIO	36.385*	Max WS	13.41	129.69	131.27	131.23	131.80	0.011555	3.60	5.39	5.14	0.92
RIVO	RIVO MEDIO	36.346*	Max WS	13.41	129.65	131.21	131.17	131.74	0.011621	3.59	5.40	5.20	0.92
RIVO	RIVO MEDIO	36.308*	Max WS	13.41	129.60	131.15	131.12	131.68	0.011697	3.59	5.41	5.25	0.93
RIVO	RIVO MEDIO	36.271	Lat Struct										
RIVO	RIVO MEDIO	36.270	Lat Struct										
RIVO	RIVO MEDIO	36.269*	Max WS	13.41	129.55	131.10	131.06	131.62	0.011803	3.59	5.42	5.30	0.93
RIVO	RIVO MEDIO	36.231*	Max WS	13.41	129.50	131.04	131.00	131.55	0.011914	3.59	5.42	5.36	0.93
RIVO	RIVO MEDIO	36.192*	Max WS	13.41	129.46	130.98	130.94	131.49	0.012056	3.59	5.42	5.41	0.94
RIVO	RIVO MEDIO	36.154*	Max WS	13.41	129.41	130.92	130.89	131.43	0.012208	3.59	5.42	5.46	0.94
RIVO	RIVO MEDIO	36.115*	Max WS	13.41	129.36	130.85	130.83	131.37	0.012413	3.59	5.41	5.51	0.95
RIVO	RIVO MEDIO	36.077*	Max WS	13.41	129.32	130.79	130.78	131.31	0.012664	3.60	5.39	5.56	0.96
RIVO	RIVO MEDIO	36.040	Lat Struct										
RIVO	RIVO MEDIO	36.039	Lat Struct										
RIVO	RIVO MEDIO	36.038*	Max WS	13.41	129.27	130.73	130.72	131.25	0.012966	3.62	5.37	5.61	0.96
RIVO	RIVO MEDIO	36	Max WS	13.41	129.22	130.66	130.67	131.19	0.013324	3.64	5.34	5.65	0.98
RIVO	RIVO MEDIO	35.967*	Max WS	13.41	129.15	130.60	130.61	131.13	0.013284	3.64	5.35	5.65	0.97
RIVO	RIVO MEDIO	35.933*	Max WS	13.41	129.08	130.53	130.54	131.06	0.013248	3.64	5.35	5.65	0.97
RIVO	RIVO MEDIO	35.900*	Max WS	13.41	129.01	130.47	130.48	13					

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO_MEDIO	35.767*	Max WS	13.41	128.73	130.21	130.22	130.73	0.012912	3.62	5.40	5.66	0.96
RIVO	RIVO_MEDIO	35.733*	Max WS	13.41	128.66	130.15	130.15	130.67	0.012816	3.62	5.42	5.67	0.96
RIVO	RIVO_MEDIO	35.700*	Max WS	13.41	128.59	130.09	130.09	130.60	0.012694	3.61	5.44	5.68	0.96
RIVO	RIVO_MEDIO	35.667*	Max WS	13.41	128.52	130.02	130.02	130.54	0.012556	3.60	5.46	5.69	0.95
RIVO	RIVO_MEDIO	35.635		Lat Struct									
RIVO	RIVO_MEDIO	35.634		Lat Struct									
RIVO	RIVO_MEDIO	35.633*	Max WS	13.41	128.45	129.96	129.95	130.47	0.012391	3.59	5.49	5.70	0.95
RIVO	RIVO_MEDIO	35.600*	Max WS	13.41	128.38	129.90	129.89	130.41	0.012198	3.57	5.53	5.71	0.94
RIVO	RIVO_MEDIO	35.567*	Max WS	13.41	128.31	129.84	129.82	130.34	0.011981	3.55	5.57	5.73	0.93
RIVO	RIVO_MEDIO	35.533*	Max WS	13.41	128.24	129.79	129.76	130.28	0.011723	3.53	5.62	5.75	0.92
RIVO	RIVO_MEDIO	35.500*	Max WS	13.40	128.18	129.73	129.69	130.21	0.011416	3.50	5.68	5.78	0.91
RIVO	RIVO_MEDIO	35.467*	Max WS	13.40	128.11	129.68	129.63	130.15	0.011066	3.47	5.75	5.81	0.90
RIVO	RIVO_MEDIO	35.435		Lat Struct									
RIVO	RIVO_MEDIO	35.434		Lat Struct									
RIVO	RIVO_MEDIO	35.433*	Max WS	13.40	128.04	129.63	129.56	130.08	0.010656	3.43	5.84	5.85	0.88
RIVO	RIVO_MEDIO	35.400*	Max WS	13.40	127.97	129.58		130.02	0.010210	3.38	5.94	5.90	0.87
RIVO	RIVO_MEDIO	35.367*	Max WS	13.40	127.90	129.53		129.96	0.009839	3.35	6.05	6.08	0.85
RIVO	RIVO_MEDIO	35.333*	Max WS	13.40	127.83	129.49		129.91	0.009473	3.32	6.19	6.42	0.84
RIVO	RIVO_MEDIO	35.300*	Max WS	13.40	127.76	129.45		129.85	0.008810	3.24	6.37	6.42	0.81
RIVO	RIVO_MEDIO	35.267*	Max WS	13.40	127.69	129.42		129.79	0.008050	3.14	6.59	6.38	0.78
RIVO	RIVO_MEDIO	35.235		Lat Struct									
RIVO	RIVO_MEDIO	35.234		Lat Struct									
RIVO	RIVO_MEDIO	35.233*	Max WS	13.40	127.62	129.39		129.74	0.007258	3.03	6.84	6.30	0.74
RIVO	RIVO_MEDIO	35.200*	Max WS	13.39	127.55	129.37		129.69	0.006499	2.92	7.12	6.21	0.70
RIVO	RIVO_MEDIO	35.167*	Max WS	13.40	127.48	129.35		129.65	0.005816	2.82	7.41	6.12	0.67
RIVO	RIVO_MEDIO	35.133*	Max WS	13.39	127.41	129.34		129.61	0.005189	2.72	7.72	6.04	0.63
RIVO	RIVO_MEDIO	35.100*	Max WS	13.36	127.34	129.33		129.58	0.004610	2.61	8.03	5.95	0.60
RIVO	RIVO_MEDIO	35.067*	Max WS	13.36	127.27	129.32		129.55	0.004138	2.52	8.33	5.87	0.57
RIVO	RIVO_MEDIO	35.035		Lat Struct									
RIVO	RIVO_MEDIO	35.034		Lat Struct									
RIVO	RIVO_MEDIO	35.033*	Max WS	13.30	127.20	129.32		129.53	0.003680	2.43	8.65	5.79	0.54
RIVO	RIVO_MEDIO	35	Max WS	13.22	127.13	129.31		129.51	0.003268	2.34	8.97	5.70	0.51
RIVO	RIVO_MEDIO	34.667*	Max WS	13.17	127.03	129.28		129.50	0.003460	2.47	8.50	5.19	0.53
RIVO	RIVO_MEDIO	34.333*	Max WS	13.17	126.93	129.24		129.50	0.003831	2.66	7.92	4.68	0.56
RIVO	RIVO_MEDIO	34	Max WS	13.23	126.83	129.17	128.63	129.51	0.004476	2.92	7.23	4.17	0.61
RIVO	RIVO_MEDIO	33.5		Bridge									
RIVO	RIVO_MEDIO	33	Max WS	13.23	126.79	127.95	128.52	129.84	0.059695	6.71	2.79	3.49	2.00
RIVO	RIVO_MEDIO	32.952*	Max WS	13.23	126.74	127.90	128.53	129.75	0.058633	6.59	2.79	3.49	1.97
RIVO	RIVO_MEDIO	32.905*	Max WS	13.22	126.70	127.84	128.47	129.65	0.057572	6.48	2.78	3.49	1.95
RIVO	RIVO_MEDIO	32.857*	Max WS	13.22	126.65	127.78	128.40	129.55	0.056239	6.35	2.79	3.49	1.92
RIVO	RIVO_MEDIO	32.810*	Max WS	13.22	126.61	127.73	128.27	129.45	0.054851	6.23	2.80	3.49	1.90
RIVO	RIVO_MEDIO	32.802		Lat Struct									
RIVO	RIVO_MEDIO	32.801		Lat Struct									
RIVO	RIVO_MEDIO	32.762*	Max WS	13.22	126.56	127.68	128.21	129.35	0.053347	6.11	2.81	3.49	1.87
RIVO	RIVO_MEDIO	32.714*	Max WS	13.21	126.51	127.62	128.15	129.24	0.051775	5.98	2.83	3.50	1.84
RIVO	RIVO_MEDIO	32.667*	Max WS	13.21	126.47	127.58	128.07	129.14	0.049972	5.85	2.86	3.52	1.80
RIVO	RIVO_MEDIO	32.619*	Max WS	13.21	126.42	127.53	128.00	129.03	0.048022	5.71	2.89	3.54	1.76
RIVO	RIVO_MEDIO	32.571*	Max WS	13.21	126.37	127.48	127.93	128.92	0.045968	5.57	2.93	3.57	1.72
RIVO	RIVO_MEDIO	32.524*	Max WS	13.20	126.33	127.44	127.86	128.81	0.043785	5.43	2.98	3.60	1.68
RIVO	RIVO_MEDIO	32.476*	Max WS	13.20	126.28	127.40	127.80	128.71	0.041440	5.28	3.04	3.63	1.64
RIVO	RIVO_MEDIO	32.429*	Max WS	13.20	126.24	127.36	127.73	128.60	0.038984	5.13	3.10	3.67	1.59
RIVO	RIVO_MEDIO	32.381*	Max WS	13.21	126.19	127.32	127.66	128.49	0.036447	4.98	3.18	3.72	1.53
RIVO	RIVO_MEDIO	32.333*	Max WS	13.21	126.14	127.29	127.60	128.39	0.033808	4.82	3.26	3.77	1.48
RIVO	RIVO_MEDIO	32.286*	Max WS	13.22	126.10	127.25	127.54	128.29	0.031193	4.65	3.36	3.82	1.42
RIVO	RIVO_MEDIO	32.238*	Max WS	13.23	126.05	127.23	127.48	128.19	0.028668	4.49	3.46	3.87	1.37
RIVO	RIVO_MEDIO	32.190*	Max WS	13.25	126.00	127.20	127.42	128.10	0.026167	4.33	3.58	3.93	1.31
RIVO	RIVO_MEDIO	32.143*	Max WS	13.26	125.96	127.17	127.36	128.01	0.023754	4.17	3.71	3.99	1.25
RIVO	RIVO_MEDIO	32.095*	Max WS	13.26	125.91	127.15	127.30	127.92	0.021389	4.00	3.85	4.05	1.19
RIVO	RIVO_MEDIO	32.048*	Max WS	13.26	125.87	127.13	127.24	127.84	0.019210	3.84	4.00	4.12	1.13
RIVO	RIVO_MEDIO	32	Max WS	13.26	125.82	127.12	127.18	127.77	0.017168	3.68	4.16	4.19	1.07
RIVO	RIVO_MEDIO	31.993*	Max WS	13.26	125.80	127.10	127.16	127.75	0.017153	3.68	4.17	4.19	1.07
RIVO	RIVO_MEDIO	31.986*	Max WS	13.26	125.78	127.08	127.15	127.74	0.017160	3.68	4.17	4.19	1.07
RIVO	RIVO_MEDIO	31.979*	Max WS	13.26	125.77	127.06	127.14	127.74	0.017479	3.71	4.17	4.20	1.08
RIVO	RIVO_MEDIO	31.972*	Max WS	13.26	125.75	127.05	127.11	127.70	0.017175	3.68	4.17	4.20	1.07
RIVO	RIVO_MEDIO	31.965*	Max WS	13.26	125.73	127.03	127.10	127.68	0.017172	3.68	4.17	4.21	1.07
RIVO	RIVO_MEDIO	31.958*	Max WS	13.26	125.71	127.01	127.08	127.67	0.017145	3.68	4.18	4.21	1.07
RIVO	RIVO_MEDIO	31.951*	Max WS	13.25	125.70	127.00	127.06	127.65	0.017126	3.68	4.18	4.22	1.07
RIVO	RIVO_MEDIO	31.944*	Max WS	13.24	125.68	126.98	127.04	127.63	0.017112	3.68	4.18	4.22	1.07
RIVO	RIVO_MEDIO	31.937*	Max WS	13.24	125.66	126.96	127.03	127.62	0.017109	3.68	4.18	4.23	1.07
RIVO	RIVO_MEDIO	31.930*	Max WS	13.24	125.64	126.94	127.01	127.60	0.017097	3.69	4.19	4.23	1.07
RIVO	RIVO_MEDIO	31.925		Lat Struct									
RIVO	RIVO_MEDIO	31.924		Lat Struct									
RIVO	RIVO_MEDIO	31.923*	Max WS	13.25	125.63	126.93	126.99	127.58	0.017117	3.69	4.19	4.24	1.07
RIVO	RIVO_MEDIO	31.916*	Max WS	13.25	125.61	126.91	126.98	127.56	0.017119	3.69	4.19	4.24	1.07
RIVO	RIVO_MEDIO	31.909*	Max WS	13.25	125.59	126.89	126.96	127.55	0.017111	3.69	4.19	4.25	1.07
RIVO	RIVO_MEDIO	31.902*	Max WS	13.26	125.57	126.88	126.94	127.53	0.017129	3.70	4.20	4.25	1.07
RIVO	RIVO_MEDIO	31.895*	Max WS	13.26	125.55	126.86	126.93	127.52	0.017144	3.70	4.20	4.26	1.07
RIVO	RIVO_MEDIO	31.888*	Max WS	13.26	125.54	126.84	126.91	127.50	0.017143	3.70	4.20	4.26	1.07
RIVO	RIVO_MEDIO	31.881*	Max WS	13.27	125.52	126.83	126.89	127.48	0.017132	3.70	4.20	4.26	1.07
RIVO	RIVO_MEDIO	31.874*	Max WS	13.27	125.50	126.81	126.88	127.46	0.017136	3.70	4.21	4.27	1.07
RIVO	RIVO_MEDIO	31.867*	Max WS	13.27	125.48	126.79	126.86	127.45	0.017156	3.71	4.21	4.27	1.07
RIVO	RIVO_MEDIO	31.860*	Max WS	13.27	125.47	126.77	126.84	127.43	0.017157	3.71	4.21	4.28	1.07
RIVO	RIVO_MEDIO	31.853*	Max WS	13.27	125.45	126.76	126.83	127.41	0.017108	3.71	4.21	4.28	1.07
RIVO	RIVO_MEDIO	31.846*	Max WS	13.26	125.43	126.74	126.81	127.40	0.017111	3.71	4.22	4.29	1.07
RIVO	RIVO_MEDIO	31.839*	Max WS	13.26	125.41	126.72	126.79	127.38	0.017101	3.71	4.22	4.29	1.07
RIVO	RIVO_MEDIO	31.832*	Max WS	13.26	125.39	126.71	126.78	127.36	0.017128	3.71	4.22	4.30	1.07
RIVO	RIVO_MEDIO	31.825*	Max WS	13.26	125.38	126.69	126.76	127.35	0.017100	3.71	4.22	4.30	1.07
RIVO	RIVO_MEDIO	31.818*	Max WS	13.26	125.36	126.67	126.74	127.33	0.017088	3.71	4.23	4.30	1.07
RIVO	RIVO_MEDIO	31.811*	Max WS	13.26	125.34	126.66	126.73	127.31	0.017090	3.71	4.23	4.31	1.07
RIVO	RIVO_MEDIO	31.804*	Max WS	13.26	125.32	126.64	126.71	127.30	0.017103	3.72	4.23	4.31	1.07
RIVO	RIVO_MEDIO	31.797*	Max WS	13.26	125.31	126.62	126.69	127.28	0.017097	3.72	4.23	4.32	1.07
RIVO	RIVO_MEDIO	31.790*	Max WS	13.26	125.29	126.60	126.67	127.26	0.017071	3.72	4.23	4.32	1.07
RIVO	RIVO_MEDIO	31.783*	Max WS	13.26	125.27	126.59	126.66	127.24	0.017071	3.72	4.24	4.33	1.07
RIVO	RIVO_MEDIO	31.776*	Max WS	13.26	125.25	126.57	126.64						

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.706*	Max WS	13.25	125.07	126.40	126.47	127.06	0.016997	3.73	4.26	4.37	1.07
RIVO	RIVO_MEDIO	31.699*	Max WS	13.25	125.06	126.38	126.46	127.04	0.016954	3.73	4.27	4.38	1.07
RIVO	RIVO_MEDIO	31.6919*	Max WS	13.25	125.04	126.37	126.44	127.02	0.016979	3.73	4.27	4.38	1.07
RIVO	RIVO_MEDIO	31.685*	Max WS	13.25	125.02	126.35	126.42	127.01	0.016962	3.73	4.27	4.39	1.07
RIVO	RIVO_MEDIO	31.678*	Max WS	13.25	125.00	126.33	126.41	126.99	0.016934	3.73	4.28	4.39	1.07
RIVO	RIVO_MEDIO	31.671*	Max WS	13.25	124.99	126.32	126.39	126.97	0.016926	3.73	4.28	4.40	1.07
RIVO	RIVO_MEDIO	31.664*	Max WS	13.25	124.97	126.30	126.37	126.96	0.016919	3.73	4.28	4.40	1.07
RIVO	RIVO_MEDIO	31.657*	Max WS	13.25	124.95	126.28	126.35	126.94	0.016919	3.74	4.29	4.41	1.07
RIVO	RIVO_MEDIO	31.650*	Max WS	13.25	124.93	126.27	126.34	126.92	0.016903	3.74	4.29	4.41	1.07
RIVO	RIVO_MEDIO	31.643*	Max WS	13.25	124.91	126.25	126.32	126.91	0.016873	3.74	4.29	4.42	1.07
RIVO	RIVO_MEDIO	31.636*	Max WS	13.25	124.90	126.23	126.30	126.89	0.016879	3.74	4.30	4.42	1.07
RIVO	RIVO_MEDIO	31.629*	Max WS	13.25	124.88	126.22	126.29	126.87	0.016871	3.74	4.30	4.42	1.07
RIVO	RIVO_MEDIO	31.622*	Max WS	13.25	124.86	126.20	126.27	126.85	0.016844	3.74	4.30	4.43	1.07
RIVO	RIVO_MEDIO	31.615*	Max WS	13.25	124.84	126.18	126.25	126.84	0.016842	3.74	4.30	4.43	1.07
RIVO	RIVO_MEDIO	31.608*	Max WS	13.25	124.83	126.17	126.24	126.82	0.016807	3.74	4.31	4.44	1.07
RIVO	RIVO_MEDIO	31.601*	Max WS	13.25	124.81	126.15	126.22	126.80	0.016820	3.74	4.31	4.44	1.07
RIVO	RIVO_MEDIO	31.594*	Max WS	13.25	124.79	126.13	126.20	126.79	0.016781	3.74	4.32	4.45	1.07
RIVO	RIVO_MEDIO	31.587*	Max WS	13.25	124.77	126.12	126.19	126.77	0.016765	3.74	4.32	4.45	1.07
RIVO	RIVO_MEDIO	31.580*	Max WS	13.25	124.75	126.10	126.17	126.75	0.016738	3.74	4.32	4.46	1.07
RIVO	RIVO_MEDIO	31.573*	Max WS	13.25	124.74	126.08	126.15	126.74	0.016732	3.74	4.33	4.46	1.07
RIVO	RIVO_MEDIO	31.566*	Max WS	13.25	124.72	126.07	126.14	126.72	0.016705	3.74	4.33	4.46	1.06
RIVO	RIVO_MEDIO	31.559*	Max WS	13.25	124.70	126.05	126.12	126.70	0.016683	3.74	4.34	4.47	1.06
RIVO	RIVO_MEDIO	31.552*	Max WS	13.25	124.68	126.03	126.10	126.68	0.016668	3.74	4.34	4.47	1.06
RIVO	RIVO_MEDIO	31.545*	Max WS	13.25	124.67	126.02	126.09	126.67	0.016644	3.74	4.34	4.48	1.06
RIVO	RIVO_MEDIO	31.538*	Max WS	13.25	124.65	126.00	126.07	126.65	0.016637	3.74	4.35	4.48	1.06
RIVO	RIVO_MEDIO	31.531*	Max WS	13.25	124.63	125.98	126.05	126.63	0.016611	3.74	4.35	4.49	1.06
RIVO	RIVO_MEDIO	31.524*	Max WS	13.25	124.61	125.97	126.04	126.62	0.016587	3.74	4.35	4.49	1.06
RIVO	RIVO_MEDIO	31.517*	Max WS	13.25	124.59	125.95	126.02	126.60	0.016556	3.74	4.36	4.50	1.06
RIVO	RIVO_MEDIO	31.511	Lat Struct										
RIVO	RIVO_MEDIO	31.510*	Max WS	13.25	124.58	125.93	126.00	126.58	0.016536	3.74	4.36	4.50	1.06
RIVO	RIVO_MEDIO	31.505	Lat Struct										
RIVO	RIVO_MEDIO	31.504*	Max WS	12.85	124.56	125.92	125.96	126.53	0.015505	3.63	4.37	4.51	1.03
RIVO	RIVO_MEDIO	31.497*	Max WS	12.85	124.54	125.90	125.94	126.51	0.015438	3.63	4.38	4.52	1.03
RIVO	RIVO_MEDIO	31.490*	Max WS	12.85	124.52	125.89	125.93	126.49	0.015354	3.62	4.39	4.52	1.02
RIVO	RIVO_MEDIO	31.483*	Max WS	12.85	124.51	125.87	125.91	126.48	0.015284	3.62	4.40	4.53	1.02
RIVO	RIVO_MEDIO	31.476*	Max WS	12.85	124.49	125.86	125.89	126.46	0.015205	3.61	4.41	4.54	1.02
RIVO	RIVO_MEDIO	31.469*	Max WS	12.85	124.47	125.84	125.88	126.44	0.015127	3.61	4.42	4.55	1.02
RIVO	RIVO_MEDIO	31.462*	Max WS	12.85	124.45	125.83	125.86	126.43	0.015030	3.60	4.43	4.55	1.01
RIVO	RIVO_MEDIO	31.455*	Max WS	12.85	124.43	125.81	125.84	126.41	0.014963	3.60	4.45	4.56	1.01
RIVO	RIVO_MEDIO	31.448*	Max WS	12.85	124.42	125.80	125.83	126.39	0.014864	3.59	4.46	4.57	1.01
RIVO	RIVO_MEDIO	31.441*	Max WS	12.85	124.40	125.78	125.81	126.37	0.014775	3.59	4.47	4.57	1.01
RIVO	RIVO_MEDIO	31.434*	Max WS	12.85	124.38	125.77	125.79	126.36	0.014684	3.58	4.48	4.58	1.00
RIVO	RIVO_MEDIO	31.427*	Max WS	12.85	124.36	125.75	125.78	126.34	0.014567	3.58	4.50	4.59	1.00
RIVO	RIVO_MEDIO	31.420*	Max WS	12.85	124.35	125.74	125.76	126.32	0.014483	3.57	4.51	4.60	1.00
RIVO	RIVO_MEDIO	31.413*	Max WS	12.85	124.33	125.72	125.74	126.31	0.014373	3.56	4.52	4.61	0.99
RIVO	RIVO_MEDIO	31.406*	Max WS	12.85	124.31	125.71	125.73	126.29	0.014258	3.56	4.54	4.62	0.99
RIVO	RIVO_MEDIO	31.399*	Max WS	12.85	124.29	125.70	125.71	126.27	0.014141	3.55	4.56	4.63	0.99
RIVO	RIVO_MEDIO	31.392*	Max WS	12.85	124.27	125.68	125.69	126.26	0.014051	3.54	4.57	4.64	0.98
RIVO	RIVO_MEDIO	31.385*	Max WS	12.85	124.26	125.67	125.68	126.24	0.013912	3.53	4.59	4.65	0.98
RIVO	RIVO_MEDIO	31.378*	Max WS	12.85	124.24	125.65	125.66	126.22	0.013799	3.53	4.61	4.66	0.98
RIVO	RIVO_MEDIO	31.371*	Max WS	12.85	124.22	125.64	125.64	126.20	0.013665	3.52	4.62	4.67	0.97
RIVO	RIVO_MEDIO	31.364*	Max WS	12.85	124.20	125.63	125.63	126.19	0.013552	3.51	4.64	4.68	0.97
RIVO	RIVO_MEDIO	31.357*	Max WS	12.85	124.19	125.61	125.61	126.17	0.013439	3.50	4.66	4.69	0.96
RIVO	RIVO_MEDIO	31.350*	Max WS	12.85	124.17	125.60	125.59	126.15	0.013285	3.49	4.68	4.70	0.96
RIVO	RIVO_MEDIO	31.343*	Max WS	12.85	124.15	125.59	125.58	126.14	0.013150	3.48	4.70	4.71	0.95
RIVO	RIVO_MEDIO	31.336*	Max WS	12.85	124.13	125.57	125.56	126.12	0.013027	3.47	4.72	4.72	0.95
RIVO	RIVO_MEDIO	31.329*	Max WS	12.85	124.11	125.56	125.54	126.10	0.012872	3.46	4.74	4.73	0.95
RIVO	RIVO_MEDIO	31.322*	Max WS	12.85	124.10	125.55	125.53	126.09	0.012742	3.45	4.76	4.75	0.94
RIVO	RIVO_MEDIO	31.315*	Max WS	12.85	124.08	125.54	125.51	126.07	0.012584	3.44	4.79	4.76	0.94
RIVO	RIVO_MEDIO	31.308*	Max WS	12.85	124.06	125.52	125.49	126.05	0.012435	3.43	4.81	4.77	0.93
RIVO	RIVO_MEDIO	31.303	Lat Struct										
RIVO	RIVO_MEDIO	31.302	Lat Struct										
RIVO	RIVO_MEDIO	31.301*	Max WS	12.85	124.04	125.51	125.48	126.04	0.012310	3.42	4.83	4.78	0.93
RIVO	RIVO_MEDIO	31.294*	Max WS	12.85	124.03	125.50	125.46	126.02	0.012127	3.40	4.86	4.80	0.92
RIVO	RIVO_MEDIO	31.287*	Max WS	12.85	124.01	125.49	125.44	126.00	0.011986	3.39	4.89	4.81	0.92
RIVO	RIVO_MEDIO	31.280*	Max WS	12.85	123.99	125.47	125.42	125.99	0.011826	3.38	4.92	4.82	0.91
RIVO	RIVO_MEDIO	31.273*	Max WS	12.85	123.97	125.46	125.41	125.97	0.011669	3.37	4.94	4.84	0.91
RIVO	RIVO_MEDIO	31.266*	Max WS	12.85	123.96	125.45	125.39	125.96	0.011515	3.35	4.97	4.85	0.90
RIVO	RIVO_MEDIO	31.259*	Max WS	12.85	123.94	125.44	125.38	125.94	0.011342	3.34	5.00	4.87	0.89
RIVO	RIVO_MEDIO	31.252*	Max WS	12.85	123.92	125.43	125.36	125.92	0.011176	3.32	5.03	4.88	0.89
RIVO	RIVO_MEDIO	31.245*	Max WS	12.85	123.90	125.42	125.35	125.91	0.011019	3.31	5.06	4.90	0.88
RIVO	RIVO_MEDIO	31.238*	Max WS	12.85	123.88	125.41	125.33	125.89	0.010848	3.30	5.10	4.92	0.88
RIVO	RIVO_MEDIO	31.231*	Max WS	12.85	123.87	125.40	125.31	125.88	0.010667	3.28	5.13	4.93	0.87
RIVO	RIVO_MEDIO	31.224*	Max WS	12.85	123.85	125.39	125.30	125.86	0.010492	3.26	5.17	4.95	0.86
RIVO	RIVO_MEDIO	31.217*	Max WS	12.85	123.83	125.38	125.28	125.84	0.010310	3.25	5.20	4.97	0.86
RIVO	RIVO_MEDIO	31.210*	Max WS	12.85	123.81	125.37		125.83	0.010120	3.23	5.24	4.99	0.85
RIVO	RIVO_MEDIO	31.203*	Max WS	12.85	123.80	125.36		125.81	0.009928	3.21	5.29	5.01	0.84
RIVO	RIVO_MEDIO	31.196*	Max WS	12.85	123.78	125.35		125.80	0.009732	3.19	5.33	5.03	0.83
RIVO	RIVO_MEDIO	31.189*	Max WS	12.85	123.76	125.34		125.78	0.009536	3.17	5.37	5.05	0.83
RIVO	RIVO_MEDIO	31.182*	Max WS	12.85	123.74	125.33		125.77	0.009335	3.15	5.42	5.07	0.82
RIVO	RIVO_MEDIO	31.175*	Max WS	12.85	123.72	125.32		125.76	0.009124	3.13	5.47	5.10	0.81
RIVO	RIVO_MEDIO	31.168*	Max WS	12.85	123.71	125.32		125.74	0.008900	3.11	5.53	5.12	0.80
RIVO	RIVO_MEDIO	31.161*	Max WS	12.85	123.69	125.31		125.73	0.008704	3.09	5.58	5.15	0.79
RIVO	RIVO_MEDIO	31.154*	Max WS	12.85	123.67	125.30		125.71	0.008485	3.06	5.64	5.17	0.78
RIVO	RIVO_MEDIO	31.147*	Max WS	12.85	123.65	125.30		125.70	0.008269	3.04	5.70	5.20	0.78
RIVO	RIVO_MEDIO	31.140*	Max WS	12.85	123.64	125.29		125.69	0.008032	3.01	5.76	5.23	0.76
RIVO	RIVO_MEDIO	31.133*	Max WS	12.85	123.62	125.29		125.68	0.007816	2.99	5.83	5.26	0.76
RIVO	RIVO_MEDIO	31.126*	Max WS	12.85	123.60	125.28		125.66	0.007605	2.96	5.89	5.29	0.75
RIVO	RIVO_MEDIO	31.119*	Max WS	12.85	123.58	125.28		125.65	0.007388	2.94	5.96	5.32	0.74
RIVO	RIVO_MEDIO	31.112*	Max WS	12.85</									

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.007*	Max WS	12.85	123.30	125.25		125.51	0.004386	2.49	7.39	5.92	0.58
RIVO	RIVO_MEDIO	31	Max WS	12.85	123.28	125.25		125.50	0.004240	2.47	7.50	5.96	0.57
RIVO	RIVO_VALLE	30.99	Max WS	21.74	123.28	125.25	125.27	125.97	0.012140	4.18	7.50	5.96	0.97
RIVO	RIVO_VALLE	30.983*	Max WS	21.74	123.27	125.24	125.25	125.96	0.012142	4.17	7.50	5.97	0.97
RIVO	RIVO_VALLE	30.977*	Max WS	21.74	123.26	125.23	125.24	125.94	0.012145	4.17	7.50	5.98	0.97
RIVO	RIVO_VALLE	30.970*	Max WS	21.74	123.25	125.21	125.23	125.93	0.012138	4.16	7.50	5.99	0.97
RIVO	RIVO_VALLE	30.963*	Max WS	21.74	123.24	125.20	125.22	125.92	0.012139	4.16	7.51	6.00	0.97
RIVO	RIVO_VALLE	30.959		Lat Struct									
RIVO	RIVO_VALLE	30.958		Lat Struct									
RIVO	RIVO_VALLE	30.956*	Max WS	21.74	123.23	125.19	125.20	125.90	0.012144	4.16	7.51	6.00	0.97
RIVO	RIVO_VALLE	30.950*	Max WS	21.74	123.22	125.18	125.19	125.89	0.012145	4.16	7.51	6.01	0.97
RIVO	RIVO_VALLE	30.943*	Max WS	21.74	123.21	125.17	125.18	125.88	0.012149	4.15	7.52	6.02	0.97
RIVO	RIVO_VALLE	30.936*	Max WS	21.74	123.20	125.15	125.17	125.87	0.012145	4.15	7.52	6.03	0.97
RIVO	RIVO_VALLE	30.929*	Max WS	21.74	123.19	125.14	125.15	125.85	0.012142	4.14	7.52	6.04	0.97
RIVO	RIVO_VALLE	30.923*	Max WS	21.74	123.18	125.13	125.14	125.84	0.012148	4.14	7.53	6.05	0.97
RIVO	RIVO_VALLE	30.916*	Max WS	21.74	123.17	125.12	125.13	125.83	0.012158	4.14	7.53	6.06	0.97
RIVO	RIVO_VALLE	30.909*	Max WS	21.74	123.16	125.11	125.12	125.81	0.012153	4.14	7.53	6.07	0.97
RIVO	RIVO_VALLE	30.902*	Max WS	21.74	123.15	125.09	125.10	125.80	0.012149	4.13	7.54	6.08	0.97
RIVO	RIVO_VALLE	30.896*	Max WS	21.74	123.14	125.08	125.09	125.79	0.012153	4.13	7.54	6.09	0.97
RIVO	RIVO_VALLE	30.889*	Max WS	21.74	123.13	125.07	125.08	125.77	0.012154	4.13	7.54	6.10	0.97
RIVO	RIVO_VALLE	30.882*	Max WS	21.74	123.12	125.06	125.07	125.76	0.012151	4.12	7.55	6.11	0.97
RIVO	RIVO_VALLE	30.876*	Max WS	21.74	123.11	125.05	125.06	125.75	0.012167	4.12	7.55	6.11	0.97
RIVO	RIVO_VALLE	30.869*	Max WS	21.74	123.10	125.03	125.04	125.73	0.012176	4.12	7.55	6.12	0.97
RIVO	RIVO_VALLE	30.862*	Max WS	21.74	123.09	125.02	125.03	125.72	0.012169	4.11	7.55	6.13	0.97
RIVO	RIVO_VALLE	30.855*	Max WS	21.74	123.08	125.01	125.02	125.71	0.012163	4.11	7.56	6.14	0.97
RIVO	RIVO_VALLE	30.849*	Max WS	21.74	123.07	125.00	125.01	125.69	0.012170	4.11	7.56	6.15	0.97
RIVO	RIVO_VALLE	30.842*	Max WS	21.74	123.06	124.98	124.99	125.68	0.012172	4.10	7.56	6.16	0.97
RIVO	RIVO_VALLE	30.835*	Max WS	21.74	123.05	124.97	124.98	125.67	0.012170	4.10	7.57	6.17	0.97
RIVO	RIVO_VALLE	30.828*	Max WS	21.74	123.04	124.96	124.97	125.65	0.012177	4.10	7.57	6.18	0.97
RIVO	RIVO_VALLE	30.822*	Max WS	21.74	123.03	124.95	124.96	125.64	0.012177	4.09	7.57	6.19	0.97
RIVO	RIVO_VALLE	30.815*	Max WS	21.74	123.02	124.94	124.94	125.63	0.012180	4.09	7.58	6.20	0.97
RIVO	RIVO_VALLE	30.808*	Max WS	21.74	123.01	124.92	124.93	125.61	0.012185	4.09	7.58	6.21	0.97
RIVO	RIVO_VALLE	30.801*	Max WS	21.74	123.00	124.91	124.92	125.60	0.012188	4.08	7.58	6.22	0.96
RIVO	RIVO_VALLE	30.795*	Max WS	21.74	122.99	124.90	124.91	125.59	0.012189	4.08	7.58	6.23	0.96
RIVO	RIVO_VALLE	30.788*	Max WS	21.74	122.98	124.89	124.89	125.58	0.012199	4.08	7.59	6.24	0.96
RIVO	RIVO_VALLE	30.781*	Max WS	21.74	122.97	124.88	124.88	125.56	0.012205	4.08	7.59	6.25	0.97
RIVO	RIVO_VALLE	30.774*	Max WS	21.74	122.96	124.86	124.87	125.55	0.012211	4.07	7.59	6.26	0.97
RIVO	RIVO_VALLE	30.768*	Max WS	21.74	122.95	124.85	124.86	125.54	0.012212	4.07	7.59	6.27	0.96
RIVO	RIVO_VALLE	30.761		Lat Struct									
RIVO	RIVO_VALLE	30.7609*	Max WS	21.74	122.94	124.84	124.85	125.52	0.012215	4.07	7.60	6.28	0.96
RIVO	RIVO_VALLE	30.760		Lat Struct									
RIVO	RIVO_VALLE	30.754*	Max WS	21.74	122.93	124.83	124.83	125.51	0.012221	4.06	7.60	6.29	0.96
RIVO	RIVO_VALLE	30.748*	Max WS	21.74	122.92	124.81	124.82	125.50	0.012224	4.06	7.60	6.30	0.96
RIVO	RIVO_VALLE	30.741*	Max WS	21.74	122.91	124.80	124.81	125.48	0.012232	4.06	7.61	6.31	0.96
RIVO	RIVO_VALLE	30.734*	Max WS	21.74	122.90	124.79	124.80	125.47	0.012237	4.06	7.61	6.32	0.96
RIVO	RIVO_VALLE	30.727*	Max WS	21.74	122.89	124.78	124.79	125.46	0.012241	4.05	7.61	6.33	0.96
RIVO	RIVO_VALLE	30.721*	Max WS	21.74	122.88	124.77	124.77	125.44	0.012253	4.05	7.61	6.34	0.96
RIVO	RIVO_VALLE	30.714*	Max WS	21.74	122.87	124.75	124.76	125.43	0.012250	4.05	7.62	6.35	0.96
RIVO	RIVO_VALLE	30.707*	Max WS	21.74	122.86	124.74	124.75	125.42	0.012255	4.04	7.62	6.36	0.96
RIVO	RIVO_VALLE	30.700*	Max WS	21.74	122.85	124.73	124.74	125.40	0.012264	4.04	7.62	6.37	0.96
RIVO	RIVO_VALLE	30.694*	Max WS	21.74	122.84	124.72	124.73	125.39	0.012278	4.04	7.62	6.38	0.96
RIVO	RIVO_VALLE	30.687*	Max WS	21.73	122.83	124.70	124.71	125.38	0.012278	4.04	7.63	6.39	0.96
RIVO	RIVO_VALLE	30.680*	Max WS	21.74	122.82	124.69	124.70	125.37	0.012286	4.03	7.63	6.40	0.96
RIVO	RIVO_VALLE	30.673*	Max WS	21.73	122.81	124.68	124.69	125.35	0.012293	4.03	7.63	6.41	0.96
RIVO	RIVO_VALLE	30.667*	Max WS	21.73	122.80	124.67	124.68	125.34	0.012291	4.03	7.64	6.42	0.96
RIVO	RIVO_VALLE	30.660*	Max WS	21.73	122.79	124.66	124.66	125.33	0.012293	4.02	7.64	6.43	0.96
RIVO	RIVO_VALLE	30.653*	Max WS	21.73	122.78	124.64	124.65	125.31	0.012305	4.02	7.64	6.44	0.96
RIVO	RIVO_VALLE	30.647*	Max WS	21.73	122.77	124.63	124.64	125.30	0.012324	4.02	7.64	6.45	0.97
RIVO	RIVO_VALLE	30.640*	Max WS	21.73	122.76	124.62	124.63	125.29	0.012327	4.02	7.64	6.45	0.96
RIVO	RIVO_VALLE	30.633*	Max WS	21.73	122.75	124.61	124.62	125.27	0.012329	4.01	7.65	6.46	0.96
RIVO	RIVO_VALLE	30.626*	Max WS	21.73	122.74	124.59	124.61	125.26	0.012344	4.01	7.65	6.47	0.97
RIVO	RIVO_VALLE	30.620*	Max WS	21.73	122.73	124.58	124.59	125.25	0.012348	4.01	7.65	6.48	0.97
RIVO	RIVO_VALLE	30.613*	Max WS	21.73	122.72	124.57	124.58	125.23	0.012354	4.01	7.65	6.49	0.97
RIVO	RIVO_VALLE	30.606*	Max WS	21.73	122.71	124.56	124.57	125.22	0.012370	4.00	7.65	6.49	0.97
RIVO	RIVO_VALLE	30.599*	Max WS	21.73	122.70	124.55	124.56	125.21	0.012375	4.00	7.66	6.50	0.97
RIVO	RIVO_VALLE	30.593*	Max WS	21.73	122.69	124.53	124.55	125.19	0.012388	4.00	7.66	6.51	0.97
RIVO	RIVO_VALLE	30.586*	Max WS	21.73	122.68	124.52	124.53	125.18	0.012398	4.00	7.66	6.51	0.97
RIVO	RIVO_VALLE	30.579*	Max WS	21.73	122.67	124.51	124.52	125.17	0.012409	3.99	7.66	6.52	0.97
RIVO	RIVO_VALLE	30.572*	Max WS	21.73	122.66	124.50	124.51	125.15	0.012416	3.99	7.66	6.53	0.97
RIVO	RIVO_VALLE	30.566*	Max WS	21.73	122.65	124.48	124.50	125.14	0.012430	3.99	7.67	6.53	0.97
RIVO	RIVO_VALLE	30.563		Lat Struct									
RIVO	RIVO_VALLE	30.562		Lat Struct									
RIVO	RIVO_VALLE	30.559*	Max WS	21.73	122.64	124.47	124.48	125.13	0.012446	3.99	7.67	6.54	0.97
RIVO	RIVO_VALLE	30.552*	Max WS	21.73	122.63	124.46	124.47	125.12	0.012455	3.99	7.67	6.55	0.97
RIVO	RIVO_VALLE	30.546*	Max WS	21.73	122.62	124.45	124.46	125.10	0.012472	3.98	7.67	6.56	0.97
RIVO	RIVO_VALLE	30.539*	Max WS	21.73	122.60	124.43	124.45	125.09	0.012475	3.98	7.67	6.56	0.97
RIVO	RIVO_VALLE	30.532*	Max WS	21.73	122.60	124.42	124.43	125.08	0.012483	3.98	7.67	6.57	0.97
RIVO	RIVO_VALLE	30.525*	Max WS	21.73	122.59	124.41	124.42	125.06	0.012502	3.98	7.67	6.58	0.97
RIVO	RIVO_VALLE	30.519*	Max WS	21.73	122.58	124.40	124.41	125.05	0.012510	3.97	7.68	6.59	0.97
RIVO	RIVO_VALLE	30.512*	Max WS	21.73	122.57	124.38	124.40	125.04	0.012532	3.97	7.68	6.59	0.97
RIVO	RIVO_VALLE	30.505*	Max WS	21.73	122.55	124.37	124.38	125.02	0.012545	3.97	7.68	6.60	0.97
RIVO	RIVO_VALLE	30.498*	Max WS	21.73	122.55	124.36	124.37	125.01	0.012570	3.97	7.68	6.61	0.97
RIVO	RIVO_VALLE	30.492*	Max WS	21.73	122.54	124.35	124.36	125.00	0.012578	3.97	7.68	6.61	0.97
RIVO	RIVO_VALLE	30.485*	Max WS	21.73	122.53	124.33	124.35	124.98	0.012592	3.96	7.68	6.62	0.97
RIVO	RIVO_VALLE	30.478*	Max WS	21.73	122.52	124.32	124.33	124.97	0.012609	3.96	7.68	6.63	0.97
RIVO	RIVO_VALLE	30.471*	Max WS	21.73	122.50	124.31	124.32	124.96	0.012632	3.96	7.68	6.64	0.97
RIVO	RIVO_VALLE	30.465*	Max WS	21.73	122.50	124.30	124.30	124.94	0.012655	3.96	7.68	6.64	0.97
RIVO	RIVO_VALLE	30.458*	Max WS	21.73	122.49	124.28	124.29	124.93	0.012668	3.96	7.68	6.65	0.97
RIVO	RIVO_VALLE	30.451*	Max WS	21.73	122.48	124.27	124.28	124.92	0.012689	3.96	7.68	6.66	0.97
RIVO	RIVO_VALLE	30.444*	Max WS	21.73	122.46	124.26	124.27	124.90					

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO VALLE	30.350*	Max WS	21.70	122.32	124.08	124.09	124.72	0.013034	3.94	7.66	6.76	0.98
RIVO	RIVO VALLE	30.343*	Max WS	21.70	122.31	124.07	124.08	124.71	0.013061	3.94	7.66	6.76	0.98
RIVO	RIVO VALLE	30.337*	Max WS	21.70	122.30	124.05	124.07	124.69	0.013105	3.94	7.65	6.77	0.98
RIVO	RIVO VALLE	30.330*	Max WS	21.70	122.29	124.04	124.06	124.68	0.013139	3.94	7.65	6.78	0.98
RIVO	RIVO VALLE	30.323*	Max WS	21.69	122.28	124.03	124.04	124.67	0.013169	3.94	7.65	6.78	0.98
RIVO	RIVO VALLE	30.317*	Max WS	21.69	122.27	124.01	124.03	124.65	0.013199	3.94	7.64	6.79	0.98
RIVO	RIVO VALLE	30.310*	Max WS	21.69	122.26	124.00	124.02	124.64	0.013233	3.94	7.64	6.79	0.99
RIVO	RIVO VALLE	30.303*	Max WS	21.69	122.25	123.99	124.00	124.63	0.013265	3.94	7.64	6.80	0.99
RIVO	RIVO VALLE	30.296*	Max WS	21.68	122.24	123.97	123.99	124.61	0.013310	3.94	7.63	6.81	0.99
RIVO	RIVO VALLE	30.290*	Max WS	21.68	122.23	123.96	123.98	124.60	0.013356	3.94	7.62	6.81	0.99
RIVO	RIVO VALLE	30.283*	Max WS	21.68	122.22	123.95	123.97	124.59	0.013403	3.94	7.62	6.82	0.99
RIVO	RIVO VALLE	30.276*	Max WS	21.68	122.21	123.93	123.96	124.57	0.013439	3.94	7.61	6.82	0.99
RIVO	RIVO VALLE	30.269*	Max WS	21.67	122.20	123.92	123.94	124.56	0.013485	3.94	7.61	6.83	0.99
RIVO	RIVO VALLE	30.263*	Max WS	21.67	122.19	123.91	123.93	124.55	0.013547	3.94	7.60	6.84	0.99
RIVO	RIVO VALLE	30.256*	Max WS	21.67	122.18	123.89	123.92	124.54	0.013588	3.94	7.60	6.84	1.00
RIVO	RIVO VALLE	30.249*	Max WS	21.67	122.17	123.88	123.90	124.52	0.013633	3.94	7.59	6.85	1.00
RIVO	RIVO VALLE	30.242*	Max WS	21.67	122.16	123.87	123.89	124.51	0.013697	3.95	7.58	6.85	1.00
RIVO	RIVO VALLE	30.236*	Max WS	21.67	122.15	123.85	123.88	124.50	0.013756	3.95	7.57	6.86	1.00
RIVO	RIVO VALLE	30.229*	Max WS	21.67	122.14	123.84	123.87	124.48	0.013810	3.95	7.57	6.86	1.00
RIVO	RIVO VALLE	30.222*	Max WS	21.67	122.13	123.83	123.86	124.47	0.013870	3.95	7.56	6.87	1.00
RIVO	RIVO VALLE	30.216*	Max WS	21.67	122.12	123.81	123.84	124.46	0.013942	3.95	7.55	6.87	1.01
RIVO	RIVO VALLE	30.209*	Max WS	21.67	122.11	123.80	123.83	124.44	0.014007	3.96	7.54	6.88	1.01
RIVO	RIVO VALLE	30.202*	Max WS	21.67	122.10	123.78	123.82	124.43	0.014082	3.96	7.53	6.88	1.01
RIVO	RIVO VALLE	30.195*	Max WS	21.67	122.09	123.77	123.81	124.42	0.014153	3.96	7.52	6.89	1.01
RIVO	RIVO VALLE	30.189*	Max WS	21.67	122.08	123.76	123.79	124.41	0.014245	3.97	7.51	6.89	1.01
RIVO	RIVO VALLE	30.182*	Max WS	21.66	122.07	123.74	123.78	124.39	0.014328	3.97	7.50	6.90	1.02
RIVO	RIVO VALLE	30.175*	Max WS	21.66	122.06	123.73	123.77	124.38	0.014408	3.98	7.48	6.90	1.02
RIVO	RIVO VALLE	30.168*	Max WS	21.66	122.05	123.71	123.76	124.37	0.014485	3.98	7.47	6.91	1.02
RIVO	RIVO VALLE	30.167	Lat Struct										
RIVO	RIVO VALLE	30.166	Lat Struct										
RIVO	RIVO VALLE	30.162*	Max WS	21.65	122.04	123.70	123.74	124.35	0.014574	3.98	7.46	6.91	1.02
RIVO	RIVO VALLE	30.155*	Max WS	21.65	122.03	123.68	123.73	124.34	0.014679	3.99	7.44	6.92	1.03
RIVO	RIVO VALLE	30.148*	Max WS	21.64	122.02	123.67	123.72	124.33	0.014768	3.99	7.43	6.92	1.03
RIVO	RIVO VALLE	30.141*	Max WS	21.63	122.01	123.65	123.71	124.31	0.014853	4.00	7.42	6.92	1.03
RIVO	RIVO VALLE	30.135*	Max WS	21.63	122.00	123.64	123.69	124.30	0.014959	4.00	7.40	6.93	1.04
RIVO	RIVO VALLE	30.128*	Max WS	21.62	121.99	123.62	123.68	124.29	0.015081	4.01	7.38	6.93	1.04
RIVO	RIVO VALLE	30.121*	Max WS	21.62	121.98	123.61	123.67	124.28	0.015185	4.01	7.36	6.93	1.04
RIVO	RIVO VALLE	30.114*	Max WS	21.61	121.97	123.59	123.65	124.26	0.015306	4.02	7.35	6.94	1.05
RIVO	RIVO VALLE	30.108*	Max WS	21.61	121.96	123.58	123.64	124.25	0.015457	4.03	7.32	6.94	1.05
RIVO	RIVO VALLE	30.101*	Max WS	21.61	121.95	123.56	123.63	124.24	0.015586	4.04	7.30	6.94	1.05
RIVO	RIVO VALLE	30.094*	Max WS	21.60	121.94	123.55	123.62	124.22	0.015737	4.04	7.28	6.94	1.06
RIVO	RIVO VALLE	30.088*	Max WS	21.60	121.93	123.53	123.61	124.21	0.015893	4.05	7.26	6.95	1.06
RIVO	RIVO VALLE	30.081*	Max WS	21.60	121.92	123.52	123.59	124.20	0.016046	4.06	7.24	6.95	1.07
RIVO	RIVO VALLE	30.074*	Max WS	21.59	121.91	123.50	123.58	124.19	0.016209	4.07	7.21	6.95	1.07
RIVO	RIVO VALLE	30.067*	Max WS	21.59	121.90	123.48	123.57	124.18	0.016417	4.08	7.19	6.95	1.08
RIVO	RIVO VALLE	30.061*	Max WS	21.59	121.89	123.47	123.56	124.16	0.016609	4.10	7.16	6.95	1.08
RIVO	RIVO VALLE	30.054*	Max WS	21.59	121.88	123.45	123.54	124.15	0.016823	4.11	7.13	6.95	1.09
RIVO	RIVO VALLE	30.047*	Max WS	21.59	121.87	123.43	123.53	124.14	0.017029	4.12	7.10	6.95	1.09
RIVO	RIVO VALLE	30.040*	Max WS	21.59	121.86	123.42	123.52	124.13	0.017282	4.14	7.07	6.95	1.10
RIVO	RIVO VALLE	30.034*	Max WS	21.59	121.85	123.40	123.51	124.12	0.017549	4.16	7.03	6.95	1.11
RIVO	RIVO VALLE	30.027*	Max WS	21.59	121.84	123.38	123.49	124.11	0.017811	4.17	7.00	6.95	1.12
RIVO	RIVO VALLE	30.020*	Max WS	21.59	121.83	123.36	123.48	124.09	0.018114	4.19	6.96	6.95	1.12
RIVO	RIVO VALLE	30.013*	Max WS	21.59	121.82	123.35	123.47	124.08	0.018431	4.21	6.92	6.95	1.13
RIVO	RIVO VALLE	30.007*	Max WS	21.58	121.81	123.33	123.46	124.07	0.018828	4.24	6.87	6.94	1.14
RIVO	RIVO VALLE	30	Max WS	21.58	121.80	123.31	123.46	124.07	0.022598	4.87	7.20	7.33	1.28
RIVO	RIVO VALLE	29.669	Lat Struct										
RIVO	RIVO VALLE	29.668	Lat Struct										
RIVO	RIVO VALLE	29.667*	Max WS	21.50	121.78	123.20	123.34	123.97	0.020481	4.36	6.77	6.86	1.19
RIVO	RIVO VALLE	29.333*	Max WS	21.39	121.73	123.10	123.31	123.95	0.023310	4.60	6.46	6.83	1.27
RIVO	RIVO VALLE	29	Max WS	21.45	121.66	122.63	123.37	127.14	0.169156	9.82	2.40	5.19	3.24
RIVO	RIVO VALLE	28.919	Lat Struct										
RIVO	RIVO VALLE	28.918	Lat Struct										
RIVO	RIVO VALLE	28.917*	Max WS	21.45	121.49	122.46	123.24	127.19	0.172761	9.92	2.36	5.19	3.28
RIVO	RIVO VALLE	28.833*	Max WS	21.45	121.32	122.29	123.09	127.09	0.170864	9.86	2.34	4.91	3.26
RIVO	RIVO VALLE	28.750*	Max WS	21.45	121.16	122.13	122.95	126.77	0.161278	9.61	2.35	4.62	3.17
RIVO	RIVO VALLE	28.667*	Max WS	21.45	120.99	121.99	122.80	126.24	0.142971	9.16	2.42	4.34	2.99
RIVO	RIVO VALLE	28.583*	Max WS	21.44	120.82	121.86	122.75	125.54	0.166696	8.51	2.58	4.10	2.72
RIVO	RIVO VALLE	28.500*	Max WS	21.44	120.65	121.76	122.60	124.78	0.087787	7.70	2.83	3.95	2.39
RIVO	RIVO VALLE	28.417*	Max WS	21.44	120.48	121.69	122.39	124.07	0.062046	6.84	3.17	4.00	2.03
RIVO	RIVO VALLE	28.333*	Max WS	21.44	120.31	121.64	122.19	123.52	0.043099	6.08	3.53	4.10	1.72
RIVO	RIVO VALLE	28.250*	Max WS	21.44	120.14	121.60	122.02	123.14	0.030739	5.48	3.91	4.15	1.48
RIVO	RIVO VALLE	28.167*	Max WS	21.44	119.98	121.58	121.85	122.84	0.022225	4.97	4.33	4.14	1.28
RIVO	RIVO VALLE	28.083*	Max WS	21.44	119.81	121.56	121.69	122.62	0.016597	4.57	4.76	4.09	1.12
RIVO	RIVO VALLE	28	Max WS	21.44	119.64	121.54	121.53	122.44	0.012619	4.22	5.20	3.98	0.99
RIVO	RIVO VALLE	27.752	Lat Struct										
RIVO	RIVO VALLE	27.751	Lat Struct										
RIVO	RIVO VALLE	27.750*	Max WS	21.44	119.62	121.50	121.40	122.24	0.010827	3.90	6.33	3.99	0.92
RIVO	RIVO VALLE	27.500*	Max WS	21.44	119.58	121.45	121.41	122.27	0.012004	4.12	6.24	4.40	0.97
RIVO	RIVO VALLE	27.250*	Max WS	21.44	119.51	121.39	121.45	122.29	0.013407	4.35	6.17	4.39	1.02
RIVO	RIVO VALLE	27	Max WS	21.45	119.44	121.33	121.42	122.32	0.015288	4.63	6.01	4.01	1.09
RIVO	RIVO VALLE	26.933*	Max WS	21.43	119.34	121.26	121.40	122.21	0.014488	4.57	6.34	4.98	1.07
RIVO	RIVO VALLE	26.867*	Max WS	21.41	119.24	121.20	121.36	122.11	0.013665	4.51	6.67	5.95	1.04
RIVO	RIVO VALLE	26.802	Lat Struct										
RIVO	RIVO VALLE	26.801	Lat Struct										
RIVO	RIVO VALLE	26.800*	Max WS	21.42	119.13	121.14	121.31	122.01	0.012826	4.44	7.03	6.92	1.01
RIVO	RIVO VALLE	26.733*	Max WS	21.43	119.03	121.08	120.81	121.91	0.011967	4.36	7.43	7.89	0.98
RIVO	RIVO VALLE	26.667*	Max WS	21.43	118.93	121.02	120.73	121.81	0.011078	4.27	7.87	8.86	0.95
RIVO	RIVO VALLE	26.600*	Max WS	21.42	118.82	120.97	120.64	121.71	0.010148	4.17	8.37	9.83	0.91
RIVO	RIVO VALLE	26.533*	Max WS	21.41	118.72	120.93	120.56	121.61	0.009209	4.05	8.95	10.80	0.87
RIVO	RIVO VALLE	26.467*	Max WS	21.45	118.62	120.89	120.48	121.51	0.008326	3.93	9.62	11.78	0.83
RIVO	RIVO VALLE	26.402	Lat Struct										
RIVO	RIVO VALLE	26.401	Lat Struct										
RIVO	RIVO VALLE	26.400*	Max WS	21.48									

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO VALLE	24	Max WS	21.77	118.15	120.66		120.72	0.000953	1.42	29.27	24.83	0.29
RIVO	RIVO VALLE	23.6	Lat Struct										
RIVO	RIVO VALLE	23.5	Lat Struct										
RIVO	RIVO VALLE	23	Max WS	21.74	118.15	120.65	119.63	120.72	0.001093	1.49	30.32	31.57	0.31
RIVO	RIVO VALLE	22.50 Autostrada	Bridge										
RIVO	RIVO VALLE	22	Max WS	21.74	115.98	119.63		119.72	0.000625	1.34	18.44	21.95	0.24
RIVO	RIVO VALLE	21.753	Lat Struct										
RIVO	RIVO VALLE	21.751	Lat Struct										
RIVO	RIVO VALLE	21.750*	Max WS	21.59	116.13	119.63		119.72	0.000740	1.45	22.85	18.84	0.26
RIVO	RIVO VALLE	21.500*	Max WS	21.47	116.27	119.61		119.73	0.001033	1.69	19.08	11.35	0.30
RIVO	RIVO VALLE	21.250*	Max WS	21.35	116.42	119.59		119.73	0.001412	1.96	17.04	8.76	0.36
RIVO	RIVO VALLE	21	Max WS	21.29	116.52	119.55		119.75	0.002161	2.37	14.96	7.68	0.44
RIVO	RIVO VALLE	20.875*	Max WS	21.26	116.52	119.53		119.74	0.002343	2.47	14.70	7.79	0.46
RIVO	RIVO VALLE	20.750*	Max WS	21.22	116.51	119.51		119.74	0.002526	2.57	14.49	7.90	0.48
RIVO	RIVO VALLE	20.627	Lat Struct										
RIVO	RIVO VALLE	20.626	Lat Struct										
RIVO	RIVO VALLE	20.625*	Max WS	21.09	116.50	119.50		119.73	0.002683	2.65	14.34	8.02	0.49
RIVO	RIVO VALLE	20.500*	Max WS	20.92	116.50	119.49		119.72	0.002819	2.71	14.25	8.14	0.51
RIVO	RIVO VALLE	20.375*	Max WS	20.62	116.49	119.48		119.71	0.002888	2.75	14.25	8.27	0.51
RIVO	RIVO VALLE	20.250*	Max WS	20.31	116.49	119.48		119.70	0.002938	2.79	14.30	8.40	0.52
RIVO	RIVO VALLE	20.125*	Max WS	20.02	116.49	119.47		119.69	0.002975	2.81	14.40	8.52	0.52
RIVO	RIVO VALLE	20	Max WS	19.76	116.48	119.47		119.68	0.003001	2.83	14.56	8.66	0.52
RIVO	RIVO VALLE	19.803	Lat Struct										
RIVO	RIVO VALLE	19.801	Lat Struct										
RIVO	RIVO VALLE	19.800*	Max WS	19.52	116.42	119.46		119.66	0.002729	2.72	14.55	8.53	0.50
RIVO	RIVO VALLE	19.605	Lat Struct										
RIVO	RIVO VALLE	19.600*	Max WS	19.35	116.37	119.44		119.65	0.002540	2.65	14.53	8.67	0.48
RIVO	RIVO VALLE	19.400*	Max WS	19.21	116.31	119.43		119.64	0.002341	2.57	14.56	8.80	0.47
RIVO	RIVO VALLE	19.205	Lat Struct										
RIVO	RIVO VALLE	19.200*	Max WS	18.97	116.26	119.43		119.63	0.002102	2.46	14.68	8.92	0.44
RIVO	RIVO VALLE	19	Max WS	18.88	116.20	119.43		119.62	0.001857	2.33	14.87	9.05	0.42
RIVO	RIVO VALLE	18.500*	Max WS	18.48	116.09	119.44		119.60	0.001307	2.00	15.36	8.44	0.35
RIVO	RIVO VALLE	18.3	Lat Struct										
RIVO	RIVO VALLE	18.2	Lat Struct										
RIVO	RIVO VALLE	18	Max WS	18.38	115.98	119.44		119.58	0.000997	1.79	14.92	6.48	0.31
RIVO	RIVO VALLE	17.750*	Max WS	18.42	115.98	119.44		119.58	0.001002	1.79	14.91	6.48	0.31
RIVO	RIVO VALLE	17.500*	Max WS	18.47	115.98	119.44		119.58	0.001008	1.80	14.90	6.47	0.31
RIVO	RIVO VALLE	17.250*	Max WS	18.51	115.98	119.44		119.58	0.001014	1.80	14.90	6.47	0.31
RIVO	RIVO VALLE	17	Max WS	18.56	115.98	119.44	117.73	119.58	0.001021	1.81	14.88	6.47	0.31
RIVO	RIVO VALLE	16.50 Ferrovia	Bridge										
RIVO	RIVO VALLE	16	Max WS	18.60	115.83	118.81		119.07	0.002455	2.55	11.91	6.54	0.47
RIVO	RIVO VALLE	15.803	Lat Struct										
RIVO	RIVO VALLE	15.801	Lat Struct										
RIVO	RIVO VALLE	15.800*	Max WS	18.75	115.75	118.83		119.04	0.002033	2.37	14.11	9.16	0.43
RIVO	RIVO VALLE	15.600*	Max WS	18.59	115.67	118.82		119.02	0.001870	2.31	15.22	11.79	0.42
RIVO	RIVO VALLE	15.400*	Max WS	18.29	115.58	118.81		119.02	0.001871	2.34	15.17	14.41	0.42
RIVO	RIVO VALLE	15.200*	Max WS	17.92	115.50	118.79		119.03	0.001987	2.44	13.89	17.04	0.43
RIVO	RIVO VALLE	15	Max WS	18.06	115.42	118.75		119.04	0.002233	2.61	11.57	13.22	0.46
RIVO	RIVO VALLE	14.99	Lat Struct										
RIVO	RIVO VALLE	14.98	Lat Struct										
RIVO	RIVO VALLE	14.933*	Max WS	18.02	115.41	118.77		119.01	0.001931	2.44	13.61	17.48	0.43
RIVO	RIVO VALLE	14.867*	Max WS	17.96	115.40	118.79		118.99	0.001612	2.25	15.75	18.05	0.39
RIVO	RIVO VALLE	14.800*	Max WS	17.87	115.39	118.81		118.97	0.001342	2.07	17.60	17.24	0.36
RIVO	RIVO VALLE	14.733*	Max WS	17.77	115.38	118.83		118.96	0.001136	1.91	19.09	16.44	0.33
RIVO	RIVO VALLE	14.667*	Max WS	17.66	115.36	118.84		118.95	0.000981	1.79	20.27	15.63	0.31
RIVO	RIVO VALLE	14.600*	Max WS	17.55	115.35	118.85		118.94	0.000864	1.68	21.16	14.83	0.29
RIVO	RIVO VALLE	14.533*	Max WS	17.43	115.34	118.85		118.94	0.000775	1.60	21.78	14.02	0.27
RIVO	RIVO VALLE	14.467*	Max WS	17.31	115.33	118.86		118.93	0.000708	1.53	22.15	13.22	0.26
RIVO	RIVO VALLE	14.400*	Max WS	17.19	115.32	118.86		118.93	0.000661	1.49	22.26	12.41	0.25
RIVO	RIVO VALLE	14.333*	Max WS	17.07	115.31	118.86		118.93	0.000629	1.45	22.13	11.61	0.25
RIVO	RIVO VALLE	14.267*	Max WS	17.00	115.29	118.86		118.93	0.000616	1.44	21.75	10.80	0.24
RIVO	RIVO VALLE	14.200*	Max WS	16.94	115.28	118.86		118.93	0.000619	1.45	21.13	10.00	0.25
RIVO	RIVO VALLE	14.133*	Max WS	16.88	115.27	118.85		118.93	0.000638	1.47	20.27	9.19	0.25
RIVO	RIVO VALLE	14.067*	Max WS	16.82	115.26	118.85		118.93	0.000677	1.52	19.17	8.39	0.26
RIVO	RIVO VALLE	14	Max WS	16.77	115.25	118.84	117.01	118.94	0.000739	1.59	17.83	7.58	0.27
RIVO	RIVO VALLE	13.50 Str. Di Maratta	Bridge										
RIVO	RIVO VALLE	13	Max WS	16.77	115.21	117.27		117.83	0.008617	3.57	6.41	4.65	0.82
RIVO	RIVO VALLE	12.99	Lat Struct										
RIVO	RIVO VALLE	12.98	Lat Struct										
RIVO	RIVO VALLE	12.967*	Max WS	16.77	115.20	117.26		117.82	0.008646	3.58	6.42	4.66	0.82
RIVO	RIVO VALLE	12.933*	Max WS	16.77	115.19	117.25		117.82	0.008665	3.59	6.42	4.66	0.82
RIVO	RIVO VALLE	12.900*	Max WS	16.77	115.18	117.24		117.81	0.008694	3.60	6.43	4.67	0.82
RIVO	RIVO VALLE	12.867*	Max WS	16.77	115.17	117.23		117.80	0.008724	3.62	6.43	4.68	0.82
RIVO	RIVO VALLE	12.833*	Max WS	16.77	115.16	117.22		117.80	0.008744	3.63	6.44	4.69	0.83
RIVO	RIVO VALLE	12.800*	Max WS	16.77	115.15	117.21		117.79	0.008777	3.64	6.44	4.70	0.83
RIVO	RIVO VALLE	12.767*	Max WS	16.76	115.14	117.21		117.78	0.008816	3.65	6.44	4.70	0.83
RIVO	RIVO VALLE	12.733*	Max WS	16.76	115.13	117.20		117.77	0.008836	3.66	6.45	4.71	0.83
RIVO	RIVO VALLE	12.700*	Max WS	16.77	115.12	117.19		117.77	0.008878	3.68	6.45	4.72	0.83
RIVO	RIVO VALLE	12.667*	Max WS	16.77	115.11	117.18		117.76	0.008926	3.69	6.45	4.73	0.84
RIVO	RIVO VALLE	12.633*	Max WS	16.77	115.10	117.17		117.75	0.008954	3.70	6.46	4.73	0.84
RIVO	RIVO VALLE	12.600*	Max WS	16.77	115.09	117.16		117.75	0.009002	3.72	6.46	4.74	0.84
RIVO	RIVO VALLE	12.567*	Max WS	16.77	115.08	117.15		117.74	0.009053	3.73	6.46	4.75	0.84
RIVO	RIVO VALLE	12.533*	Max WS	16.77	115.07	117.14		117.73	0.009085	3.75	6.46	4.76	0.85
RIVO	RIVO VALLE	12.500*	Max WS	16.77	115.06	117.13		117.73	0.009139	3.76	6.46	4.76	0.85
RIVO	RIVO VALLE	12.467*	Max WS	16.77	115.05	117.12	116.98	117.72	0.009193	3.78	6.46	4.77	0.85
RIVO	RIVO VALLE	12.433*	Max WS	16.77	115.04	117.11	116.97	117.71	0.009235	3.79	6.46	4.78	0.86
RIVO	RIVO VALLE	12.400*	Max WS	16.77	115.03	117.10	116.97	117.71	0.009297	3.81	6.46	4.78	0.86
RIVO	RIVO VALLE	12.367*	Max WS	16.77	115.02	117.09	116.96	117.70	0.009363	3.83	6.46	4.79	0.86
RIVO	RIVO VALLE	12.333*	Max WS	16.77	115.01	117.08	116.96	117.69	0.009409	3.84	6.46	4.80	0.86
RIVO	RIVO VALLE	12.300*	Max WS	16.77	115.00	117.07	116.95	117.69	0.009483	3.86	6.46	4.80	0.87
RIVO	RIVO VALLE	12.267*	Max WS	16.77	114.99	117.06	116.95	117.68	0.009559	3.88	6.45	4.81	0.87
RIVO	RIVO VALLE	12.233*	Max WS	16.77	114.98	117.05	116.94	117.67	0.009610	3.90	6.45	4.81	0.88
RIVO	RIVO VALLE	12.200*	Max WS	16.77	114.97	117.04	116.94	117.67	0.009689	3.92	6.45	4.82	0.88
RIVO	RIVO VALLE	12.167*	Max WS	16.77	114.96	117.03	116.93	117.66	0.009775	3.94	6.45	4.83	0.88
RIVO	RIVO VALLE	12.133*	Max WS	16.77	114.95	117.02	116.93	117.65	0.009845	3.95	6.44	4.83	0.89
RIVO	RIVO VALLE	12.100*	Max WS	16.77	114.94	117.01	116.92	117.65	0.009934	3.98	6.44	4.84	0.89
RIVO	RIVO VALLE	12.067*	Max WS	16.77	114.93	117.00	116.92	117.64	0.010034	4.00	6.43	4.84	0.90
RIVO	RIVO VALLE	12.033*	Max WS	16.77	114.92	116.99	116.91	117.64	0.010111	4.02	6.43	4.85	0.90
RIVO	RIVO VALLE	12	Max WS	16.77	114.91	116.98	116.90	117.63	0.010215	4.04	6.42	4.85	0.90
RIVO	RIVO VALLE	11.											

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO_VALLE	11.861*	Max WS	16.77	114.66	116.73	116.65	117.37	0.010146	4.02	6.49	4.94	0.90
RIVO	RIVO_VALLE	11.833*	Max WS	16.77	114.61	116.68	116.60	117.31	0.010105	4.02	6.51	4.95	0.90
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	16.76	114.56	116.63	116.55	117.26	0.010089	4.01	6.53	4.97	0.90
RIVO	RIVO_VALLE	11.778*	Max WS	16.76	114.51	116.58	116.49	117.21	0.010049	4.01	6.55	4.99	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	16.76	114.46	116.53	116.44	117.16	0.010002	4.00	6.57	5.01	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	16.76	114.41	116.48	116.39	117.10	0.009961	3.99	6.59	5.03	0.89
RIVO	RIVO_VALLE	11.694*	Max WS	16.76	114.36	116.43	116.34	117.05	0.009901	3.98	6.62	5.06	0.89
RIVO	RIVO_VALLE	11.667*	Max WS	16.76	114.31	116.39	116.29	117.00	0.009847	3.97	6.65	5.08	0.89
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	16.76	114.26	116.34	116.24	116.94	0.009752	3.96	6.68	5.11	0.88
RIVO	RIVO_VALLE	11.611*	Max WS	16.76	114.21	116.29	116.19	116.89	0.009668	3.95	6.72	5.13	0.88
RIVO	RIVO_VALLE	11.583*	Max WS	16.76	114.16	116.25	116.13	116.84	0.009568	3.93	6.76	5.16	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	16.76	114.11	116.20	116.08	116.79	0.009454	3.91	6.81	5.19	0.87
RIVO	RIVO_VALLE	11.528*	Max WS	16.76	114.05	116.16		116.74	0.009309	3.89	6.86	5.22	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	16.76	114.01	116.11		116.68	0.009171	3.87	6.91	5.26	0.86
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	16.76	113.96	116.07		116.63	0.009010	3.84	6.97	5.29	0.85
RIVO	RIVO_VALLE	11.444*	Max WS	16.76	113.90	116.03		116.58	0.008819	3.82	7.05	5.33	0.84
RIVO	RIVO_VALLE	11.417*	Max WS	16.76	113.85	115.99		116.53	0.008649	3.79	7.12	5.38	0.84
RIVO	RIVO_VALLE	11.389*	Max WS	16.76	113.80	115.95		116.49	0.008570	3.78	7.19	5.62	0.83
RIVO	RIVO_VALLE	11.361*	Max WS	16.76	113.75	115.91		116.44	0.008455	3.77	7.28	5.86	0.83
RIVO	RIVO_VALLE	11.333*	Max WS	16.76	113.70	115.87		116.39	0.008170	3.72	7.39	5.89	0.81
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	16.76	113.65	115.84		116.34	0.007877	3.67	7.52	5.91	0.80
RIVO	RIVO_VALLE	11.278*	Max WS	16.76	113.60	115.81		116.29	0.007543	3.62	7.67	5.94	0.79
RIVO	RIVO_VALLE	11.250*	Max WS	16.76	113.55	115.78		116.24	0.007187	3.55	7.83	5.98	0.77
RIVO	RIVO_VALLE	11.222*	Max WS	16.76	113.50	115.75		116.20	0.006843	3.49	8.00	6.01	0.75
RIVO	RIVO_VALLE	11.194*	Max WS	16.76	113.45	115.73		116.15	0.006468	3.42	8.20	6.05	0.73
RIVO	RIVO_VALLE	11.167*	Max WS	16.76	113.40	115.71		116.11	0.006095	3.35	8.41	6.06	0.71
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	16.76	113.35	115.69		116.07	0.005702	3.27	8.64	6.05	0.69
RIVO	RIVO_VALLE	11.111*	Max WS	16.74	113.30	115.68		116.04	0.005321	3.19	8.88	6.04	0.67
RIVO	RIVO_VALLE	11.083*	Max WS	16.71	113.25	115.66		116.00	0.004944	3.11	9.13	6.03	0.65
RIVO	RIVO_VALLE	11.056*	Max WS	16.66	113.20	115.65		115.97	0.004565	3.02	9.41	6.02	0.62
RIVO	RIVO_VALLE	11.028*	Max WS	16.57	113.15	115.65		115.94	0.004178	2.93	9.70	6.01	0.60
RIVO	RIVO_VALLE	11	Max WS	16.64	113.10	115.63		115.92	0.003959	2.88	9.94	6.00	0.58
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	16.64	113.04	115.63		115.89	0.003417	2.73	10.65	6.45	0.54
RIVO	RIVO_VALLE	10.667*	Max WS	16.46	112.97	115.65		115.86	0.002802	2.52	11.53	6.89	0.50
RIVO	RIVO_VALLE	10.500*	Max WS	16.15	112.89	115.66		115.84	0.002233	2.30	12.57	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	15.65	112.81	115.68		115.82	0.001719	2.07	13.76	7.79	0.39
RIVO	RIVO_VALLE	10.167*	Max WS	14.87	112.73	115.70		115.81	0.001263	1.81	15.09	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	13.87	112.65	115.72	114.63	115.80	0.000895	1.56	16.54	8.68	0.29
RIVO	RIVO_VALLE	9.50 Inizio Tratto In	Bridge										
RIVO	RIVO_VALLE	9	Max WS	13.62	112.24	114.20		114.83	0.008073	3.50	3.90	5.10	0.80
RIVO	RIVO_VALLE	8.9474*	Max WS	13.50	112.19	114.20		114.47	0.003897	2.47	7.17	5.31	0.56
RIVO	RIVO_VALLE	8.8947*	Max WS	13.50	112.14	114.20		114.46	0.003741	2.45	7.34	5.47	0.55
RIVO	RIVO_VALLE	8.8421*	Max WS	13.49	112.09	114.20		114.46	0.003556	2.42	7.51	5.48	0.54
RIVO	RIVO_VALLE	8.7895*	Max WS	13.48	112.04	114.20		114.45	0.003385	2.40	7.69	5.48	0.52
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	13.48	112.00	114.20		114.45	0.003235	2.37	7.87	5.49	0.51
RIVO	RIVO_VALLE	8.6842*	Max WS	13.48	111.95	114.21		114.44	0.003102	2.35	8.05	5.49	0.50
RIVO	RIVO_VALLE	8.6316*	Max WS	13.49	111.90	114.21		114.44	0.002982	2.33	8.23	5.50	0.49
RIVO	RIVO_VALLE	8.5789*	Max WS	13.49	111.85	114.21		114.44	0.002869	2.31	8.41	5.50	0.48
RIVO	RIVO_VALLE	8.5263*	Max WS	13.50	111.80	114.21		114.43	0.002773	2.30	8.59	5.51	0.48
RIVO	RIVO_VALLE	8.4737*	Max WS	13.50	111.75	114.21		114.43	0.002681	2.28	8.77	5.51	0.47
RIVO	RIVO_VALLE	8.4211*	Max WS	13.51	111.70	114.21		114.42	0.002602	2.26	8.95	5.52	0.46
RIVO	RIVO_VALLE	8.3684*	Max WS	13.52	111.65	114.21		114.42	0.002528	2.25	9.14	5.52	0.45
RIVO	RIVO_VALLE	8.3158*	Max WS	13.53	111.60	114.22		114.42	0.002464	2.24	9.32	5.53	0.45
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	13.55	111.56	114.22		114.41	0.002411	2.23	9.49	5.53	0.44
RIVO	RIVO_VALLE	8.2105*	Max WS	13.56	111.51	114.22		114.41	0.002356	2.21	9.68	5.54	0.43
RIVO	RIVO_VALLE	8.1579*	Max WS	13.57	111.46	114.22		114.41	0.002312	2.20	9.86	5.54	0.43
RIVO	RIVO_VALLE	8.1053*	Max WS	13.58	111.41	114.22		114.40	0.002271	2.19	10.05	5.55	0.42
RIVO	RIVO_VALLE	8.0526*	Max WS	13.45	111.36	114.22		114.40	0.002187	2.16	10.24	5.55	0.41
RIVO	RIVO_VALLE	8	Max WS	13.43	111.31	114.22		114.39	0.002146	2.15	10.43	5.56	0.41
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	13.35	111.21	114.24		114.38	0.002371	2.07	11.02	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	13.33	111.11	114.23		114.38	0.003410	2.15	10.48	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	13.65	111.07	114.21		114.36	0.003333	2.17	10.67	7.09	0.40
RIVO	RIVO_VALLE	7.7484*	Max WS	13.79	111.03	114.19		114.34	0.003148	2.16	10.89	7.14	0.39
RIVO	RIVO_VALLE	7.7226*	Max WS	13.79	111.00	114.18		114.32	0.002902	2.12	11.14	7.20	0.39
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	13.70	110.96	114.17		114.31	0.002615	2.06	11.44	7.25	0.37
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	13.59	110.92	114.16		114.29	0.002348	2.00	11.75	7.30	0.36
RIVO	RIVO_VALLE	7.6452*	Max WS	13.50	110.88	114.16		114.28	0.002112	1.94	12.08	7.36	0.35
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	13.46	110.84	114.15		114.27	0.001919	1.89	12.40	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	13.56	110.80	114.14		114.26	0.001787	1.86	12.72	7.48	0.33
RIVO	RIVO_VALLE	7.5677*	Max WS	13.63	110.77	114.13		114.25	0.001652	1.83	13.06	7.53	0.32
RIVO	RIVO_VALLE	7.5419*	Max WS	13.61	110.73	114.13		114.24	0.001506	1.79	13.42	7.59	0.31
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	13.57	110.69	114.13		114.23	0.001368	1.74	13.79	7.64	0.30
RIVO	RIVO_VALLE	7.4903*	Max WS	13.59	110.65	114.12		114.22	0.001259	1.70	14.16	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	13.69	110.61	114.12		114.21	0.001174	1.68	14.52	7.75	0.29
RIVO	RIVO_VALLE	7.4387*	Max WS	13.71	110.57	114.11		114.21	0.001082	1.65	14.91	7.81	0.28
RIVO	RIVO_VALLE	7.4129*	Max WS	13.65	110.53	114.11		114.20	0.000993	1.60	15.31	7.86	0.27
RIVO	RIVO_VALLE	7.3871*	Max WS	13.60	110.49	114.11		114.19	0.000896	1.56	15.72	7.92	0.26
RIVO	RIVO_VALLE	7.3614	Lat Struct										
RIVO	RIVO_VALLE	7.3613*	Max WS	13.57	110.45	114.11		114.19	0.000820	1.52			

HEC-RAS Plan: S0 TR50* Profile: Max WS (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
RIVO	RIVO_VALLE	7.2839*	Max WS	13.52	110.33	114.10		114.17	0.000638	1.41	17.43	8.14	0.23
RIVO	RIVO_VALLE	7.2581*	Max WS	13.52	110.29	114.10		114.17	0.000589	1.38	17.87	8.20	0.23
RIVO	RIVO_VALLE	7.2323*	Max WS	13.53	110.25	114.10		114.17	0.000545	1.35	18.32	8.22	0.22
RIVO	RIVO_VALLE	7.2065*	Max WS	13.52	110.21	114.10		114.16	0.000504	1.32	18.77	8.27	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	13.52	110.18	114.10		114.16	0.000468	1.29	19.23	8.32	0.21
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	13.52	110.13	114.10		114.16	0.000435	1.26	19.70	8.38	0.20
RIVO	RIVO_VALLE	7.1290*	Max WS	13.52	110.10	114.10		114.15	0.000405	1.23	20.18	8.43	0.20
RIVO	RIVO_VALLE	7.1032*	Max WS	13.52	110.06	114.10		114.15	0.000378	1.21	20.66	8.48	0.19
RIVO	RIVO_VALLE	7.0774*	Max WS	13.52	110.02	114.10		114.15	0.000353	1.18	21.15	8.53	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	13.51	109.98	114.10		114.14	0.000330	1.15	21.64	8.59	0.18
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	13.50	109.94	114.10		114.14	0.000309	1.13	22.14	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	13.48	109.89	114.10		114.14	0.000290	1.10	22.65	8.69	0.17
RIVO	RIVO_VALLE	6.5000*	Max WS	13.46	109.88	114.09		114.14	0.000280	1.05	21.63	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	13.46	109.83	114.02	111.65	114.16	0.000771	1.67	8.05	7.58	0.27
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.75	108.99	111.71		111.74	0.000198	0.69	5.47	5.76	0.13
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.74	108.98	111.72		111.73	0.000127	0.55	8.89	6.50	0.11
RIVO	RIVO_VALLE	4	Max WS	3.71	108.96	111.72		111.73	0.000133	0.56	8.86	7.33	0.11
RIVO	RIVO_VALLE	3	Max WS	3.71	107.85	111.72		111.73	0.000048	0.43	11.48	7.59	0.07
RIVO	RIVO_VALLE	2.7500*	Max WS	3.79	107.72	111.72		111.73	0.000046	0.42	12.98	6.35	0.07
RIVO	RIVO_VALLE	2.5000*	Max WS	3.78	107.58	111.72		111.73	0.000040	0.41	14.96	7.29	0.06
RIVO	RIVO_VALLE	2.2500*	Max WS	3.78	107.45	111.72		111.73	0.000037	0.40	16.45	8.14	0.06
RIVO	RIVO_VALLE	2	Max WS	3.77	107.31	111.72		111.73	0.000035	0.39	17.48	8.96	0.06
RIVO	RIVO_VALLE	1.8889*	Max WS	3.76	107.22	111.72		111.72	0.000017	0.27	24.49	12.95	0.04
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.75	107.13	111.72		111.72	0.000009	0.20	33.90	16.97	0.03
RIVO	RIVO_VALLE	1.6667*	Max WS	3.74	107.04	111.72		111.72	0.000005	0.15	45.70	21.02	0.02
RIVO	RIVO_VALLE	1.5556*	Max WS	3.73	106.95	111.72		111.72	0.000003	0.11	59.93	25.08	0.02
RIVO	RIVO_VALLE	1.4444*	Max WS	3.73	106.85	111.72		111.72	0.000002	0.08	76.57	29.16	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	3.87	106.76	111.72		111.72	0.000001	0.07	95.65	33.22	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	3.87	106.67	111.72		111.72	0.000001	0.05	117.15	37.32	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	3.71	106.58	111.72		111.72	0.000000	0.04	141.06	41.45	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	111.72	107.02	111.72	0.000000	0.03	167.43	45.59	0.00
CALCINARE	CALCINARE	39	Max WS	19.32	184.17	185.37	185.56	186.24	0.058019	4.15	4.83	4.82	1.29
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.32	183.87	185.10	185.28	185.92	0.053043	4.04	5.02	4.96	1.24
CALCINARE	CALCINARE	38.929*	Max WS	21.46	183.57	184.82	185.08	185.79	0.061449	4.42	5.17	5.09	1.34
CALCINARE	CALCINARE	38.893*	Max WS	21.46	183.27	184.51	184.80	185.49	0.061353	4.42	5.21	5.20	1.34
CALCINARE	CALCINARE	38.857*	Max WS	21.45	182.97	184.21	184.39	185.19	0.061463	4.43	5.24	5.31	1.34
CALCINARE	CALCINARE	38.821*	Max WS	21.45	182.67	183.91	184.14	184.88	0.061490	4.44	5.28	5.40	1.34
CALCINARE	CALCINARE	38.786*	Max WS	21.44	182.37	183.61	183.86	184.58	0.061448	4.45	5.31	5.48	1.34
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	21.43	182.08	183.31	183.57	184.28	0.061342	4.45	5.34	5.57	1.34
CALCINARE	CALCINARE	38.714*	Max WS	21.43	181.78	183.01	183.26	183.97	0.061396	4.46	5.37	5.64	1.34
CALCINARE	CALCINARE	38.679*	Max WS	21.43	181.48	182.71	182.96	183.67	0.061244	4.47	5.40	5.71	1.34
CALCINARE	CALCINARE	38.643*	Max WS	21.43	181.18	182.41	182.66	183.37	0.061193	4.47	5.42	5.78	1.34
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	21.43	180.88	182.11	182.36	183.07	0.061291	4.49	5.45	5.84	1.34
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	21.42	180.58	181.81	182.06	182.76	0.061252	4.49	5.47	5.90	1.34
CALCINARE	CALCINARE	38.536*	Max WS	21.42	180.28	181.51	181.76	182.46	0.061290	4.50	5.49	5.96	1.34
CALCINARE	CALCINARE	38.500*	Max WS	21.42	179.98	181.21	181.47	182.16	0.061141	4.51	5.52	6.01	1.34
CALCINARE	CALCINARE	38.464*	Max WS	21.41	179.68	180.91	181.17	181.86	0.061188	4.52	5.54	6.06	1.34
CALCINARE	CALCINARE	38.429*	Max WS	21.41	179.38	180.61	180.87	181.56	0.060996	4.53	5.56	6.11	1.34
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	21.41	179.08	180.31	180.57	181.25	0.060777	4.53	5.59	6.16	1.34
CALCINARE	CALCINARE	38.357*	Max WS	21.41	178.78	180.01	180.27	180.95	0.060356	4.53	5.63	6.21	1.34
CALCINARE	CALCINARE	38.321*	Max WS	21.41	178.48	179.72	179.97	180.65	0.059133	4.51	5.69	6.27	1.33
CALCINARE	CALCINARE	38.286*	Max WS	21.40	178.18	179.44	179.67	180.33	0.056079	4.45	5.82	6.35	1.30
CALCINARE	CALCINARE	38.250*	Max WS	21.40	177.88	179.18	179.37	180.00	0.049579	4.28	6.10	6.50	1.23
CALCINARE	CALCINARE	38.214*	Max WS	21.38	177.59	178.96	179.07	179.66	0.039254	3.99	6.67	6.75	1.10
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	21.36	177.29	178.79	178.76	179.34	0.027291	3.55	7.64	7.16	0.94
CALCINARE	CALCINARE	38.143*	Max WS	21.35	176.99	178.68		179.08	0.017310	3.07	9.09	7.72	0.76
CALCINARE	CALCINARE	38.107*	Max WS	21.28	176.69	178.67		178.93	0.009448	2.53	11.44	8.56	0.58
CALCINARE	CALCINARE	38.071*	Max WS	21.28	176.39	178.69		178.86	0.005183	2.08	14.40	9.22	0.44
CALCINARE	CALCINARE	38.036*	Max WS	21.28	176.09	178.70		178.83	0.003385	1.83	17.56	12.21	0.36
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	21.32	175.79	178.71		178.81	0.002227	1.60	22.40	19.80	0.30
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	21.24	175.36	178.71		178.80	0.001737	1.55	23.80	15.27	0.27
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	21.04	174.92	178.70		178.79	0.001639	1.63	22.04	10.74	0.27
CALCINARE	CALCINARE	37	Max WS	20.41	174.49	178.67		178.80	0.001855	1.86	17.24	6.21	0.29
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	20.41	174.02	175.69	175.66	176.46	0.028499	3.88	5.43	3.48	0.97
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	20.47	173.88	175.55	175.64	176.43	0.033272	4.22	5.29	3.76	1.05
CALCINARE	CALCINARE	35.333*	Max WS	20.51	173.73	175.38	175.59	176.38	0.039656	4.59	5.22	4.24	1.15
CALCINARE	CALCINARE	35	Max WS	20.55	173.55	175.18	175.38	176.29	0.049185	5.01	5.13	4.59	1.27
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	20.57	173.33	174.96	175.23	176.05	0.046381	4.87	5.11	4.41	1.24
CALCINARE	CALCINARE	34.800*	Max WS	20.58	173.11	174.76	174.98	175.77	0.041390	4.64	5.20	4.27	1.17
CALCINARE	CALCINARE	34.700*	Max WS	20.59	172.90	174.58	174.70	175.48	0.034524	4.32	5.45	4.18	1.07
CALCINARE	CALCINARE	34.605	Lat Struct										
CALCINARE	CALCINARE	34.600*	Max WS	20.58	172.68	174.44	174.41	175.20					

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
CALCINARE	CALCINARE	34.200*	Max WS	20.30	171.81	174.26		174.52	0.005696	2.27	9.75	5.58	0.47
CALCINARE	CALCINARE	34.100*	Max WS	20.40	171.58	174.29		174.49	0.003802	1.98	11.03	4.88	0.39
CALCINARE	CALCINARE	34.009		Lat Struct									
CALCINARE	CALCINARE	34	Max WS	20.51	171.36	174.31		174.47	0.002670	1.76	11.99	4.18	0.33
CALCINARE	CALCINARE	33.750*	Max WS	20.61	171.05	174.35		174.46	0.001704	1.50	14.46	4.64	0.27
CALCINARE	CALCINARE	33.500*	Max WS	20.71	170.74	174.37		174.45	0.001148	1.29	17.09	5.11	0.22
CALCINARE	CALCINARE	33.255		Lat Struct									
CALCINARE	CALCINARE	33.250*	Max WS	20.57	170.43	174.39		174.45	0.000783	1.12	19.90	5.57	0.18
CALCINARE	CALCINARE	33	Max WS	19.44	170.12	174.41	171.53	174.45	0.000497	0.93	22.92	6.03	0.15
CALCINARE	CALCINARE	32.50	Ponte su Ferrovi	Bridge									
CALCINARE	CALCINARE	32	Max WS	19.44	169.93	171.54		172.15	0.026886	3.56	5.72	19.03	0.93
CALCINARE	CALCINARE	31.670		Lat Struct									
CALCINARE	CALCINARE	31.669		Lat Struct									
CALCINARE	CALCINARE	31.667*	Max WS	19.38	169.77	171.45		171.74	0.016532	2.85	10.81	14.30	0.73
CALCINARE	CALCINARE	31.335		Lat Struct									
CALCINARE	CALCINARE	31.333*	Max WS	19.31	169.61	171.36	171.09	171.84	0.023759	3.49	8.24	9.58	0.88
CALCINARE	CALCINARE	31	Max WS	19.26	169.45	171.22	171.44	172.18	0.044538	4.71	5.38	4.78	1.18
CALCINARE	CALCINARE	30.933*	Max WS	19.23	169.21	171.00	171.22	171.97	0.044512	4.74	5.41	4.80	1.18
CALCINARE	CALCINARE	30.867*	Max WS	19.20	168.98	170.79	171.00	171.75	0.044571	4.77	5.43	4.81	1.18
CALCINARE	CALCINARE	30.800*	Max WS	19.11	168.74	170.57	170.77	171.52	0.044407	4.79	5.46	4.82	1.18
CALCINARE	CALCINARE	30.735		Lat Struct									
CALCINARE	CALCINARE	30.733*	Max WS	19.02	168.51	170.35	170.56	171.30	0.044326	4.81	5.48	4.82	1.18
CALCINARE	CALCINARE	30.669		Lat Struct									
CALCINARE	CALCINARE	30.667*	Max WS	18.93	168.27	170.14	170.33	171.07	0.043915	4.82	5.52	4.83	1.17
CALCINARE	CALCINARE	30.600*	Max WS	18.83	168.03	169.92	170.12	170.84	0.043685	4.83	5.55	4.83	1.17
CALCINARE	CALCINARE	30.533*	Max WS	18.71	167.80	169.71	169.89	170.61	0.043203	4.82	5.60	4.85	1.16
CALCINARE	CALCINARE	30.467*	Max WS	18.57	167.56	169.50	169.66	170.38	0.042424	4.81	5.66	4.86	1.15
CALCINARE	CALCINARE	30.400*	Max WS	18.47	167.33	169.29	169.43	170.14	0.041495	4.78	5.74	4.88	1.13
CALCINARE	CALCINARE	30.335		Lat Struct									
CALCINARE	CALCINARE	30.333*	Max WS	18.65	167.09	169.09	169.22	169.94	0.041891	4.83	5.83	4.90	1.13
CALCINARE	CALCINARE	30.269		Lat Struct									
CALCINARE	CALCINARE	30.267*	Max WS	18.91	166.85	168.88	169.00	169.73	0.042808	4.90	5.91	4.92	1.14
CALCINARE	CALCINARE	30.200*	Max WS	19.18	166.62	168.67	168.78	169.53	0.044955	5.01	5.94	4.93	1.16
CALCINARE	CALCINARE	30.133*	Max WS	19.27	166.38	168.44	168.55	169.32	0.047189	5.10	5.93	4.92	1.18
CALCINARE	CALCINARE	30.067*	Max WS	19.24	166.15	168.20	168.33	169.09	0.050714	5.21	5.84	4.89	1.21
CALCINARE	CALCINARE	30	Max WS	19.13	165.91	167.94	168.11	168.87	0.057204	5.40	5.63	4.82	1.26
CALCINARE	CALCINARE	29.752		Lat Struct									
CALCINARE	CALCINARE	29.750*	Max WS	19.16	165.69	167.71	167.81	168.57	0.040114	4.73	5.89	4.84	1.11
CALCINARE	CALCINARE	29.505		Lat Struct									
CALCINARE	CALCINARE	29.500*	Max WS	19.20	165.48	167.56	167.50	168.22	0.025611	3.93	6.56	5.07	0.91
CALCINARE	CALCINARE	29.250*	Max WS	19.20	165.26	167.46		167.92	0.015303	3.18	7.50	4.85	0.72
CALCINARE	CALCINARE	29	Max WS	19.15	165.04	167.48	166.76	167.77	0.007978	2.47	8.84	4.50	0.53
CALCINARE	CALCINARE	28.50	Ponte su Via del	Bridge									
CALCINARE	CALCINARE	28	Max WS	19.15	164.89	166.16	166.41	167.19	0.055902	4.57	4.57	4.10	1.31
CALCINARE	CALCINARE	27.508		Lat Struct									
CALCINARE	CALCINARE	27.505		Lat Struct									
CALCINARE	CALCINARE	27.500*	Max WS	19.24	164.44	165.97	166.25	166.95	0.046048	4.62	5.21	4.93	1.21
CALCINARE	CALCINARE	27.01		Lat Struct									
CALCINARE	CALCINARE	27	Max WS	19.24	163.99	165.80	166.07	166.87	0.046038	5.04	5.26	4.50	1.23
CALCINARE	CALCINARE	26.967*	Max WS	19.22	163.78	165.58	165.84	166.64	0.045921	5.03	5.26	4.51	1.23
CALCINARE	CALCINARE	26.933*	Max WS	19.21	163.57	165.35	165.62	166.41	0.045929	5.01	5.26	4.53	1.23
CALCINARE	CALCINARE	26.900*	Max WS	19.20	163.36	165.13	165.39	166.18	0.045843	4.99	5.26	4.54	1.23
CALCINARE	CALCINARE	26.867*	Max WS	19.19	163.15	164.90	165.16	165.95	0.045825	4.98	5.26	4.56	1.23
CALCINARE	CALCINARE	26.835		Lat Struct									
CALCINARE	CALCINARE	26.833*	Max WS	19.18	162.93	164.68	164.93	165.72	0.045813	4.96	5.26	4.57	1.23
CALCINARE	CALCINARE	26.802		Lat Struct									
CALCINARE	CALCINARE	26.800*	Max WS	19.18	162.72	164.45	164.71	165.49	0.045773	4.95	5.27	4.59	1.23
CALCINARE	CALCINARE	26.767*	Max WS	19.18	162.51	164.23	164.48	165.26	0.045750	4.93	5.27	4.61	1.23
CALCINARE	CALCINARE	26.733*	Max WS	19.18	162.30	164.00	164.25	165.03	0.045696	4.92	5.28	4.62	1.23
CALCINARE	CALCINARE	26.700*	Max WS	19.17	162.09	163.78	164.03	164.80	0.045610	4.90	5.29	4.64	1.23
CALCINARE	CALCINARE	26.667*	Max WS	19.17	161.88	163.56	163.80	164.57	0.045661	4.89	5.29	4.66	1.23
CALCINARE	CALCINARE	26.634		Lat Struct									
CALCINARE	CALCINARE	26.633*	Max WS	19.17	161.67	163.33	163.57	164.35	0.045606	4.87	5.30	4.68	1.22
CALCINARE	CALCINARE	26.602		Lat Struct									
CALCINARE	CALCINARE	26.600*	Max WS	19.17	161.45	163.11	163.34	164.12	0.045650	4.86	5.30	4.70	1.23
CALCINARE	CALCINARE	26.567*	Max WS	19.17	161.24	162.88	163.12	163.89	0.045638	4.84	5.31	4.72	1.22
CALCINARE	CALCINARE	26.533*	Max WS	19.17	161.03	162.66	162.90	163.66	0.045611	4.82	5.32	4.74	1.22
CALCINARE	CALCINARE	26.500*	Max WS	19.17	160.82	162.44	162.68	163.43	0.045607	4.81	5.33	4.76	1.22
CALCINARE	CALCINARE	26.467*	Max WS	19.17	160.61	162.22	162.46	163.20	0.045475	4.79	5.34	4.78	1.22
CALCINARE	CALCINARE	26.435		Lat Struct									
CALCINARE	CALCINARE	26.433*	Max WS	19.17	160.40	161.99	162.23	162.97	0.045413	4.77	5.35	4.81	1.22
CALCINARE	CALCINARE	26.431		Lat Struct									
CALCINARE	CALCINARE	26.400*	Max WS	19.17	160.19	161.77	162.00	162.74	0.045445	4.76	5.36	4.83	1.22
CALCINARE	CALCINARE	26.367*	Max WS	19.17	159.97	161.55	161.77	162.51	0.045482	4.74	5.37	4.85	1.22
CALCINARE	CALCINARE	26.333*	Max WS	19.17	159.76	161.32	161.54	162.28	0.045554	4.73	5.37	4.87	1.22
CALCINARE	CALCINARE	26.300*	Max WS	19.16	159.54	161.10	161.25	162.05	0.045470	4.71	5.39	4.90	1.22
CALCINARE	CALCINARE	26.267*	Max WS	19.16	159.32	160.88	161.01	161.82	0.045419	4.69	5.40	4.93	1.21
CALCINARE	CALCINARE	26.235		Lat Struct									
CALCINARE	CALCINARE	26.233*	Max WS	19.15	159.09	160.66	160.78	161.59	0.045282	4.67	5.42	4.95	1.21
CALCINARE	CALCINARE	26.228		Lat Struct									
CALCINARE	CALCINARE	26.200*	Max WS	19.19	158.87	160.43	160.56	161.36	0.045394	4.66	5.43	4.98	1.21
CALCINARE	CALCINARE	26.167*	Max WS	19.23	158.65	160.21	160.33	161.14	0.045618	4.65	5.44	4.98	1.21
CALCINARE	CALCINARE	26.133*	Max WS	19.22	158.43	159.99	160.03	160.91	0.045634	4.64	5.45	4.98	1.21
CALCINARE	CALCINARE	26.100*	Max WS	19.21	158.21	159.76	159.80	160.68	0.045711	4.62	5.45	4.97	1.21
CALCINARE	CALCINARE	26.067*	Max WS	19.20	157.99	159.54	159.78	160.45	0.045847	4.61	5.46	4.97	1.21
CALCINARE	CALCINARE	26.040		Lat Struct									
CALCINARE	CALCINARE	26.033*	Max WS	19.22	157.77	159.31	159.53	160.22	0.046398	4.61	5.45	4.96	1.22
CALCINARE	CALCINARE	26.020		Lat Struct									
CALCINARE	CALCINARE	26	Max WS	19.21	157.55	159.08	159.27	160.00	0.047195	4.62	5.42	4.96	1.23
CALCINARE	CALCINARE	25.971*	Max WS	19.23	157.31	158.85	159.04	159.78	0.047584	4.66	5.37	4.88	1.23
CALCINARE	CALCINARE	25.943*	Max WS	19.23	157.06	158.61	158.81	159.57	0.047908	4.69	5.31	4.80	1.24
CALCINARE	CALCINARE	25.914*	Max WS	19.23	156.82	158.37	158.58	159.35	0.048783	4.75	5.24	4.71	1.25
CALCINARE	CALCINARE	25.886*	Max WS	19.22	156.58	158.12	158.35	159.14	0.050234	4.82	5.13	4.63	1.27
CALCINARE	CALCINARE	25.858		Lat Struct									
CALCINARE	CALCINARE	25.857*	Max WS	19.21	156.34	157.86	158.12	158.94	0.053085	4.93	4.99	4.54	1.30
CALCINARE	CALCINARE	25.855		Lat Struct									
CALCINARE	CALCINARE	25.829*	Max WS	19.21	156.09	157.58	157.89	158.76	0.059492	5.13	4.75	4.38	1.38
CALCINARE	CALCINARE	25.800*	Max										

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
CALCINARE	CALCINARE	25.629*	Max WS	19.20	154.39	155.72	156.33	157.73	0.047853	6.46	3.69	3.56	1.82
CALCINARE	CALCINARE	25.600*	Max WS	19.20	154.15	155.48	156.09	157.51	0.047871	6.49	3.66	3.49	1.82
CALCINARE	CALCINARE	25.571*	Max WS	19.19	153.91	155.24	155.86	157.30	0.047869	6.51	3.63	3.42	1.82
CALCINARE	CALCINARE	25.544	Lat Struct										
CALCINARE	CALCINARE	25.543*	Max WS	19.19	153.66	155.00	155.63	157.08	0.047820	6.54	3.59	3.36	1.83
CALCINARE	CALCINARE	25.540	Lat Struct										
CALCINARE	CALCINARE	25.514*	Max WS	19.19	153.42	154.76	155.40	156.86	0.047884	6.57	3.56	3.29	1.83
CALCINARE	CALCINARE	25.486*	Max WS	19.19	153.18	154.52	155.17	156.64	0.047831	6.59	3.53	3.23	1.83
CALCINARE	CALCINARE	25.457*	Max WS	19.19	152.94	154.28	154.93	156.43	0.047835	6.61	3.49	3.16	1.83
CALCINARE	CALCINARE	25.429*	Max WS	19.19	152.69	154.05	154.70	156.21	0.047769	6.63	3.46	3.10	1.83
CALCINARE	CALCINARE	25.402	Lat Struct										
CALCINARE	CALCINARE	25.400*	Max WS	19.19	152.45	153.81	154.46	155.99	0.047726	6.66	3.43	3.04	1.83
CALCINARE	CALCINARE	25.371*	Max WS	19.19	152.21	153.57	154.23	155.77	0.047715	6.68	3.40	2.98	1.83
CALCINARE	CALCINARE	25.369	Lat Struct										
CALCINARE	CALCINARE	25.343*	Max WS	19.19	151.96	153.33	153.99	155.55	0.047427	6.69	3.38	2.92	1.83
CALCINARE	CALCINARE	25.314*	Max WS	19.19	151.71	153.09	153.76	155.32	0.047092	6.70	3.35	2.86	1.83
CALCINARE	CALCINARE	25.286*	Max WS	19.19	151.46	152.86	153.53	155.09	0.046365	6.69	3.34	2.80	1.82
CALCINARE	CALCINARE	25.257*	Max WS	19.19	151.22	152.63	153.29	154.85	0.045329	6.67	3.33	2.75	1.80
CALCINARE	CALCINARE	25.2295	Lat Struct										
CALCINARE	CALCINARE	25.229*	Max WS	19.19	150.97	152.41	153.06	154.59	0.043503	6.61	3.35	2.70	1.77
CALCINARE	CALCINARE	25.225	Lat Struct										
CALCINARE	CALCINARE	25.200*	Max WS	19.19	150.72	152.20	152.83	154.32	0.040750	6.51	3.39	2.66	1.72
CALCINARE	CALCINARE	25.171*	Max WS	19.19	150.47	152.01	152.59	154.02	0.036886	6.34	3.47	2.62	1.64
CALCINARE	CALCINARE	25.143*	Max WS	19.19	150.23	151.83	152.36	153.69	0.031915	6.09	3.61	2.59	1.54
CALCINARE	CALCINARE	25.114*	Max WS	19.19	149.98	151.69	152.12	153.36	0.026467	5.77	3.80	2.57	1.42
CALCINARE	CALCINARE	25.089	Lat Struct										
CALCINARE	CALCINARE	25.086*	Max WS	19.19	149.73	151.57	151.89	153.04	0.021078	5.41	4.06	2.55	1.28
CALCINARE	CALCINARE	25.057*	Max WS	19.19	149.48	151.47	151.66	152.75	0.016381	5.03	4.37	2.53	1.14
CALCINARE	CALCINARE	25.050	Lat Struct										
CALCINARE	CALCINARE	25.029*	Max WS	19.19	149.24	151.40	151.43	152.49	0.012545	4.66	4.72	2.51	1.01
CALCINARE	CALCINARE	25	Max WS	19.18	148.99	151.35	151.19	152.28	0.009592	4.31	5.10	2.48	0.90
CALCINARE	CALCINARE	24.05	Lat Struct										
CALCINARE	CALCINARE	24	Max WS	18.98	148.60	151.32	150.62	151.66	0.003212	2.71	10.72	7.78	0.53
CALCINARE	CALCINARE	23.50 Ponte su Strada	Bridge										
CALCINARE	CALCINARE	23	Max WS	18.98	148.11	149.71	150.35	151.85	0.037911	6.48	2.93	2.68	1.67
CALCINARE	CALCINARE	22.900	Lat Struct										
CALCINARE	CALCINARE	22.668	Lat Struct										
CALCINARE	CALCINARE	22.667*	Max WS	18.98	148.08	149.59	150.06	151.22	0.031094	5.69	3.67	2.79	1.50
CALCINARE	CALCINARE	22.335	Lat Struct										
CALCINARE	CALCINARE	22.333*	Max WS	18.98	148.01	149.48	149.94	151.15	0.034128	5.78	3.62	2.89	1.55
CALCINARE	CALCINARE	22	Max WS	18.98	147.95	149.35	149.85	151.12	0.039356	5.95	3.51	2.98	1.65
CALCINARE	CALCINARE	21.938*	Max WS	18.98	147.75	149.16	149.67	150.95	0.039138	5.97	3.49	2.91	1.65
CALCINARE	CALCINARE	21.875*	Max WS	18.98	147.55	148.97	149.49	150.77	0.038747	5.98	3.46	2.85	1.64
CALCINARE	CALCINARE	21.813*	Max WS	18.98	147.35	148.79	149.31	150.59	0.038208	5.99	3.45	2.79	1.64
CALCINARE	CALCINARE	21.750*	Max WS	18.98	147.16	148.61	149.13	150.41	0.037405	5.98	3.44	2.73	1.62
CALCINARE	CALCINARE	21.690	Lat Struct										
CALCINARE	CALCINARE	21.689	Lat Struct										
CALCINARE	CALCINARE	21.688*	Max WS	18.97	146.96	148.43	148.95	150.22	0.036204	5.95	3.44	2.67	1.60
CALCINARE	CALCINARE	21.625*	Max WS	18.97	146.76	148.26	148.76	150.02	0.034503	5.89	3.46	2.61	1.57
CALCINARE	CALCINARE	21.563*	Max WS	18.97	146.56	148.10	148.58	149.81	0.032287	5.81	3.50	2.55	1.52
CALCINARE	CALCINARE	21.500*	Max WS	18.97	146.36	147.95	148.39	149.59	0.029451	5.68	3.56	2.50	1.47
CALCINARE	CALCINARE	21.438*	Max WS	18.97	146.16	147.82	148.21	149.36	0.026177	5.51	3.66	2.44	1.39
CALCINARE	CALCINARE	21.375*	Max WS	18.97	145.96	147.70	148.03	149.13	0.022653	5.30	3.78	2.39	1.31
CALCINARE	CALCINARE	21.315	Lat Struct										
CALCINARE	CALCINARE	21.314	Lat Struct										
CALCINARE	CALCINARE	21.313*	Max WS	18.97	145.76	147.60	147.84	148.90	0.019119	5.06	3.94	2.34	1.21
CALCINARE	CALCINARE	21.250*	Max WS	18.96	145.56	147.52	147.66	148.70	0.015898	4.81	4.12	2.28	1.12
CALCINARE	CALCINARE	21.188*	Max WS	18.96	145.37	147.45	147.48	148.51	0.013027	4.56	4.32	2.22	1.02
CALCINARE	CALCINARE	21.125*	Max WS	18.95	145.17	147.39	147.29	148.34	0.010655	4.31	4.53	2.16	0.93
CALCINARE	CALCINARE	21.063*	Max WS	18.94	144.97	147.34		148.19	0.008666	4.07	4.75	2.09	0.85
CALCINARE	CALCINARE	21	Max WS	18.92	144.77	147.31		148.06	0.007089	3.85	4.98	2.55	0.78
CALCINARE	CALCINARE	20.335	Lat Struct										
CALCINARE	CALCINARE	20.334	Lat Struct										
CALCINARE	CALCINARE	20.333*	Max WS	18.83	144.63	147.28		147.92	0.005700	3.57	5.74	3.38	0.71
CALCINARE	CALCINARE	19.667*	Max WS	18.70	144.47	147.25	146.56	147.81	0.004608	3.31	6.33	3.06	0.64
CALCINARE	CALCINARE	19.2	Bridge										
CALCINARE	CALCINARE	19	Max WS	18.66	144.28	146.22	146.39	147.42	0.016740	4.85	3.96	2.29	1.14
CALCINARE	CALCINARE	18.752	Lat Struct										
CALCINARE	CALCINARE	18.750*	Max WS	18.72	144.12	146.15	146.37	147.49	0.017370	5.13	3.93	2.16	1.17
CALCINARE	CALCINARE	18.500*	Max WS	18.72	143.95	146.08	146.38	147.62	0.018711	5.52	3.80	2.05	1.23
CALCINARE	CALCINARE	18.250*	Max WS	18.71	143.79	146.00	146.44	147.86	0.021378	6.09	3.57	1.91	1.32
CALCINARE	CALCINARE	18	Max WS	18.71	143.63	145.91	146.57	148.30	0.026396	6.94	3.27	1.74	1.48
CALCINARE	CALCINARE	17.952	Lat Struct										
CALCINARE	CALCINARE	17.950*	Max WS	18.71	143.53	145.78	146.42	148.10	0.026019	6.83	3.29	1.76	1.47
CALCINARE	CALCINARE	17.900*	Max WS	18.71	143.44	145.65	146.26	147.91	0.025678	6.72	3.29	1.76	1.45
CALCINARE	CALCINARE	17.851	Lat Struct										
CALCINARE	CALCINARE	17.850*	Max WS	18.71	143.34	145.53	146.11	147.72	0.025308	6.62	3.30	1.78	1.44
CALCINARE	CALCINARE	17.800*	Max WS	18.70	143.25	145.41	145.97	147.53	0.024945	6.52	3.32	1.79	1.43
CALCINARE	CALCINARE	17.750*	Max WS	18.70	143.15	145.28	145.82	147.35	0.024561	6.42	3.33	1.80	1.41
CALCINARE	CALCINARE	17.700*	Max WS	18.70	143.06	145.16	145.68	147.17	0.024104	6.31	3.35	1.82	1.40
CALCINARE	CALCINARE	17.655	Lat Struct										
CALCINARE	CALCINARE	17.650*	Max WS	18.70	142.96	145.05	145.54	146.99	0.023617	6.21	3.38	1.83	1.38
CALCINARE	CALCINARE	17.600*	Max WS	18.70	142.87	144.93	145.40	146.81	0.023070	6.10	3.40	1.85	1.36
CALCINARE	CALCINARE	17.551	Lat Struct										
CALCINARE	CALCINARE	17.550*	Max WS	18.70	142.77	144.82	145.27	146.64	0.022481	6.00	3.43	1.94	1.35
CALCINARE	CALCINARE	17.500*	Max WS	18.69	142.68	144.71	145.13	146.47	0.021822	5.89	3.47	1.97	1.32
CALCINARE	CALCINARE	17.450*	Max WS	18.68	142.58	144.61	145.00	146.30	0.021085	5.77	3.52	1.99	1.30
CALCINARE	CALCINARE	17.400*	Max WS	18.66	142.48	144.51	144.86	146.12	0.020210	5.64	3.57	2.02	1.27
CALCINARE	CALCINARE	17.355	Lat Struct										
CALCINARE	CALCINARE	17.350*	Max WS	18.66	142.39	144.41	144.73	145.96	0.019324	5.52	3.63	2.04	1.25
CALCINARE	CALCINARE	17.300*	Max WS	18.66	142.29	144.32	144.60	145.79	0.018300	5.38	3.70	2.07	1.21
CALCINARE	CALCINARE	17.251	Lat Struct										
CALCINARE	CALCINARE	17.250*	Max WS	18.66	142.20	144.23	144.47	145.63	0.017235	5.24	3.78	2.09	1.18
CALCINARE	CALCINARE	17.200*	Max WS	18.66	142.10	144.15	144.34	145.46	0.016074	5.08	3.88	2.12	1.14
CALCINARE	CALCINARE	17.150*	Max WS	18.66	142.01	144.07	144.21	145.31	0.014893	4.93	3.99	2.14	1.10
CALCINARE	CALCINARE	17.100*	Max WS	18.66	141.91	144.00	144.08	145.16	0.013663	4.76	4.11	2.16	1.05
CALCINARE	CALCINARE	17.055	Lat Struct										

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
CALCINARE	CALCINARE	14.22		Lat Struct									
CALCINARE	CALCINARE	14.2		Lat Struct									
CALCINARE	CALCINARE	14	Max WS	16.58	139.20	140.77	141.16	141.69	0.038489	4.29	4.29	3.84	1.11
CALCINARE	CALCINARE	13.805		Lat Struct									
CALCINARE	CALCINARE	13.802		Lat Struct									
CALCINARE	CALCINARE	13.800*	Max WS	16.42	139.03	140.60	140.92	141.45	0.035302	4.12	4.43	4.21	1.07
CALCINARE	CALCINARE	13.800*	Max WS	16.30	138.86	140.44	140.52	141.22	0.031569	3.94	4.61	4.63	1.01
CALCINARE	CALCINARE	13.400*	Max WS	16.21	138.69	140.30	140.34	141.00	0.027315	3.73	4.84	5.09	0.95
CALCINARE	CALCINARE	13.200*	Max WS	16.13	138.52	140.19	140.15	140.79	0.022654	3.48	5.17	5.82	0.87
CALCINARE	CALCINARE	13	Max WS	16.05	138.32	140.09	139.92	140.61	0.018050	3.21	5.63	6.19	0.78
CALCINARE	CALCINARE	12.750*	Max WS	15.95	138.01	140.02		140.46	0.013636	3.05	6.59	5.79	0.69
CALCINARE	CALCINARE	12.502		Lat Struct									
CALCINARE	CALCINARE	12.501		Lat Struct									
CALCINARE	CALCINARE	12.500*	Max WS	15.89	137.71	139.98		140.36	0.010374	2.91	7.44	5.02	0.62
CALCINARE	CALCINARE	12.250*	Max WS	16.06	137.40	139.94		140.31	0.009274	2.97	7.86	4.19	0.60
CALCINARE	CALCINARE	12	Max WS	16.33	137.09	139.84		140.29	0.010437	3.33	7.71	3.35	0.64
CALCINARE	CALCINARE	11	Max WS	16.40	137.07	139.77	139.07	140.31	0.012310	3.58	7.04	3.01	0.70
CALCINARE	CALCINARE	10.50 Ponte su Via del		Bridge									
CALCINARE	CALCINARE	10	Max WS	16.40	137.01	138.47	138.50	139.21	0.033964	3.83	4.29	6.84	1.03
CALCINARE	CALCINARE	9.5		Lat Struct									
CALCINARE	CALCINARE	9.2		Lat Struct									
CALCINARE	CALCINARE	9	Max WS	16.41	136.99	138.42		138.84	0.023388	3.13	6.61	6.61	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	16.41	136.82	138.30		138.73	0.022778	3.16	6.64	6.50	0.85
CALCINARE	CALCINARE	8.8000*	Max WS	16.41	136.66	138.19		138.62	0.022239	3.20	6.67	6.41	0.84
CALCINARE	CALCINARE	8.7000*	Max WS	16.41	136.49	138.08		138.52	0.021769	3.25	6.71	6.32	0.84
CALCINARE	CALCINARE	8.6000*	Max WS	16.41	136.32	137.97		138.42	0.021353	3.30	6.76	6.25	0.84
CALCINARE	CALCINARE	8.5000*	Max WS	16.41	136.16	137.86		138.31	0.021067	3.36	6.80	6.19	0.84
CALCINARE	CALCINARE	8.405		Lat Struct									
CALCINARE	CALCINARE	8.402		Lat Struct									
CALCINARE	CALCINARE	8.4000*	Max WS	16.38	135.99	137.76		138.21	0.020762	3.42	6.85	5.98	0.83
CALCINARE	CALCINARE	8.3000*	Max WS	16.28	135.82	137.66		138.11	0.020384	3.47	6.88	5.76	0.83
CALCINARE	CALCINARE	8.2000*	Max WS	16.04	135.65	137.57		138.01	0.019685	3.50	6.93	5.56	0.82
CALCINARE	CALCINARE	8.1000*	Max WS	15.63	135.49	137.49		137.91	0.018349	3.48	7.03	5.37	0.80
CALCINARE	CALCINARE	8	Max WS	14.98	135.32	137.44		137.82	0.016126	3.39	7.23	5.21	0.75
CALCINARE	CALCINARE	7.8000*	Max WS	14.18	135.26	137.46		137.72	0.010838	2.87	8.28	5.77	0.62
CALCINARE	CALCINARE	7.650		Lat Struct									
CALCINARE	CALCINARE	7.61		Lat Struct									
CALCINARE	CALCINARE	7.6000*	Max WS	13.34	135.20	137.49		137.66	0.007154	2.41	9.46	6.20	0.51
CALCINARE	CALCINARE	7.4000*	Max WS	12.46	135.13	137.51		137.62	0.004770	2.02	10.67	6.64	0.42
CALCINARE	CALCINARE	7.2000*	Max WS	11.50	135.07	137.53		137.60	0.003169	1.70	11.93	7.07	0.35
CALCINARE	CALCINARE	7	Max WS	10.31	135.01	137.54		137.59	0.002020	1.39	13.24	7.50	0.28
CALCINARE	CALCINARE	6.5000*	Max WS	9.27	134.99	137.55		137.59	0.001429	1.16	13.37	7.50	0.23
CALCINARE	CALCINARE	6	Max WS	8.15	134.97	137.56		137.59	0.000964	0.95	13.56	7.50	0.19
CALCINARE	CALCINARE	5.50 Opera intubata v		Culvert									
CALCINARE	CALCINARE	5	Max WS	8.15	134.65	136.02		136.34	0.022918	3.08	4.34	5.81	0.85
CALCINARE	CALCINARE	4.5		Lat Struct									
CALCINARE	CALCINARE	4.3		Lat Struct									
CALCINARE	CALCINARE	4	Max WS	8.15	134.60	135.99		136.28	0.021160	2.99	4.47	5.80	0.82
CALCINARE	CALCINARE	3.7500*	Max WS	8.15	134.52	135.90		136.20	0.021859	3.02	4.49	6.32	0.83
CALCINARE	CALCINARE	3.5000*	Max WS	8.15	134.42	135.80	135.78	136.12	0.023336	3.08	4.47	6.89	0.85
CALCINARE	CALCINARE	3.2500*	Max WS	8.14	134.32	135.71	135.73	136.03	0.024144	3.09	4.47	7.09	0.86
CALCINARE	CALCINARE	3	Max WS	8.12	134.22	135.61	135.62	135.92	0.023782	3.01	4.56	7.23	0.84
CALCINARE	CALCINARE	2.9855*	Max WS	8.11	134.20	135.59	135.60	135.89	0.023929	3.02	4.53	7.21	0.84
CALCINARE	CALCINARE	2.9710*	Max WS	8.11	134.18	135.56	135.58	135.87	0.024067	3.02	4.49	7.19	0.84
CALCINARE	CALCINARE	2.9565*	Max WS	8.10	134.16	135.54	135.56	135.85	0.024267	3.03	4.45	7.18	0.85
CALCINARE	CALCINARE	2.9420*	Max WS	8.10	134.13	135.51	135.53	135.83	0.024432	3.03	4.42	7.16	0.85
CALCINARE	CALCINARE	2.9275*	Max WS	8.10	134.11	135.49	135.51	135.81	0.024665	3.04	4.38	7.15	0.85
CALCINARE	CALCINARE	2.9130*	Max WS	8.11	134.09	135.46	135.49	135.79	0.024881	3.05	4.35	7.13	0.86
CALCINARE	CALCINARE	2.8986*	Max WS	8.11	134.07	135.44	135.47	135.77	0.025084	3.05	4.31	7.08	0.86
CALCINARE	CALCINARE	2.8841*	Max WS	8.11	134.05	135.41	135.42	135.75	0.025091	3.05	4.28	6.94	0.86
CALCINARE	CALCINARE	2.8696*	Max WS	8.12	134.03	135.39	135.38	135.72	0.025097	3.04	4.25	6.80	0.86
CALCINARE	CALCINARE	2.8551*	Max WS	8.12	134.01	135.36	135.35	135.70	0.025105	3.03	4.22	6.68	0.86
CALCINARE	CALCINARE	2.8408		Lat Struct									
CALCINARE	CALCINARE	2.8407		Lat Struct									
CALCINARE	CALCINARE	2.8406*	Max WS	8.12	133.98	135.34	135.32	135.68	0.025078	3.03	4.19	6.56	0.86
CALCINARE	CALCINARE	2.8261*	Max WS	8.12	133.96	135.31	135.29	135.65	0.025007	3.02	4.17	6.46	0.86
CALCINARE	CALCINARE	2.8116*	Max WS	8.12	133.94	135.29	135.26	135.63	0.024983	3.01	4.15	6.36	0.86
CALCINARE	CALCINARE	2.7971*	Max WS	8.12	133.92	135.26	135.23	135.60	0.024975	3.00	4.13	6.27	0.86
CALCINARE	CALCINARE	2.7859		Lat Struct									
CALCINARE	CALCINARE	2.7858		Lat Struct									
CALCINARE	CALCINARE	2.7826*	Max WS	8.12	133.90	135.24	135.20	135.58	0.024881	2.99	4.11	6.19	0.85
CALCINARE	CALCINARE	2.7681*	Max WS	8.12	133.88	135.21	135.18	135.55	0.024830	2.98	4.09	6.11	0.85
CALCINARE	CALCINARE	2.7536*	Max WS	8.12	133.86	135.19	135.15	135.53	0.024782	2.97	4.08	6.04	0.85
CALCINARE	CALCINARE	2.7391*	Max WS	8.12	133.83	135.16	135.12	135.50	0.024680	2.96	4.07	5.97	0.85
CALCINARE	CALCINARE	2.7246*	Max WS	8.12	133.81	135.14	135.09	135.48	0.024622	2.95	4.05	5.91	0.85
CALCINARE	CALCINARE	2.7101*	Max WS	8.12	133.79	135.11	135.07	135.45	0.024544	2.94	4.04	5.85	0.85
CALCINARE	CALCINARE	2.6957*	Max WS	8.12	133.77	135.09	135.04	135.43	0.024476	2.93	4.03	5.80	0.85
CALCINARE	CALCINARE	2.6812*	Max WS	8.12	133.75	135.07	135.01	135.40	0.024342	2.92	4.03	5.75	0.84
CALCINARE	CALCINARE	2.6667*	Max WS	8.12	133.73	135.04	134.98	135.38	0.024256	2.91	4.02	5.71	0.84
CALCINARE	CALCINARE	2.6522*	Max WS	8.12	133.71	135.02	134.96	135.35	0.024159	2.89	4.01	5.66	0.84
CALCINARE	CALCINARE	2.6377*	Max WS	8.13	133.68	134.99	134.93	135.33	0.024070	2.88	4.00	5.62	0.84
CALCINARE	CALCINARE	2.6232*	Max WS	8.13	133.66	134.97	134.90	135.30	0.023933	2.87	4.00	5.59	0.84
CALCINARE	CALCINARE	2.6087*	Max WS	8.13	133.64	134.95	134.88	135.27	0.023791	2.86	4.00	5.56	0.83
CALCINARE	CALCINARE	2.5942*	Max WS	8.13	133.62	134.92	134.85	135.25	0.023662	2.85	4.00	5.53	0.83
CALCINARE	CALCINARE	2.5797*	Max WS	8.13	133.60	134.90	134.82	135.22	0.023536	2.84	4.00	5.50	0.83
CALCINARE	CALCINARE	2.5652*	Max WS	8.13	133.58	134.88	134.80	135.20	0.023418	2.82	4.00	5.47	0.83
CALCINARE	CALCINARE	2.5507*	Max WS	8.13	133.56	134.85		135.18	0.023248	2.81	4.00	5.45	0.82
CALCINARE	CALCINARE	2.5362*	Max WS	8.14	133.53	134.83		135.15	0.023084	2.80	4.00	5.43	0.82
CALCINARE	CALCINARE	2.5217*	Max WS	8.14	133.51	134.81		135.13	0.022901	2.78	4.01	5.41	0.82
CALCINARE	CALCINARE	2.5072*	Max WS	8.13	133.49	134.79		135.10	0.022670	2.77	4.01	5.40	0.81
CALCINARE	CALCINARE	2.4928*	Max WS	8.14	133.47	134.76		135.08	0.022447	2.75	4.02	5.38	0.81
CALCINARE	CALCINARE	2.4783*	Max WS	8.14	133.45	134.74		135.05	0.022208	2.74	4.03	5.37	0.80
CALCINARE	CALCINARE	2.4638*	Max WS	8.14	133.43	134.72		135.03	0.021967	2.72	4.04	5.36	0.80
CALCINARE	CALCINARE	2.4493*	Max WS	8.14	133.40	134.70		135.00	0.021690	2.70	4.06	5.36	0.79
CALCINARE	CALCINARE	2.4348*	Max WS	8.14	133.38	134.68		134.98	0.021405	2.68	4.07	5.35	0.79
CALCINARE	CALCINARE	2.4203*	Max WS	7.02	133.36	134.66		134.88					

HEC-RAS Plan: S0_TR50* Profile: Max WS (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
CALCINARE	CALCINARE	2.3043*	Max WS	6.99	133.19	134.59		134.75	0.010201	1.96	4.78	5.78	0.55
CALCINARE	CALCINARE	2.2899*	Max WS	6.99	133.17	134.59		134.74	0.009612	1.91	4.89	5.86	0.54
CALCINARE	CALCINARE	2.2754*	Max WS	6.99	133.15	134.58		134.73	0.009057	1.87	5.00	5.93	0.52
CALCINARE	CALCINARE	2.2609*	Max WS	6.99	133.13	134.58		134.72	0.008513	1.83	5.12	6.01	0.51
CALCINARE	CALCINARE	2.2464*	Max WS	6.99	133.10	134.57		134.71	0.007994	1.79	5.24	6.06	0.49
CALCINARE	CALCINARE	2.2319*	Max WS	6.97	133.08	134.57		134.70	0.007460	1.74	5.37	6.07	0.48
CALCINARE	CALCINARE	2.2174*	Max WS	6.97	133.06	134.57		134.69	0.006989	1.70	5.50	6.08	0.46
CALCINARE	CALCINARE	2.2029*	Max WS	6.97	133.04	134.56		134.68	0.006543	1.66	5.63	6.08	0.45
CALCINARE	CALCINARE	2.1884*	Max WS	6.97	133.02	134.56		134.67	0.006146	1.62	5.76	6.09	0.44
CALCINARE	CALCINARE	2.1739*	Max WS	6.98	133.00	134.56		134.66	0.005780	1.59	5.89	6.10	0.42
CALCINARE	CALCINARE	2.1594*	Max WS	6.99	132.98	134.56		134.66	0.005447	1.56	6.02	6.10	0.41
CALCINARE	CALCINARE	2.1449*	Max WS	7.00	132.95	134.56		134.65	0.005144	1.52	6.15	6.10	0.40
CALCINARE	CALCINARE	2.1304*	Max WS	7.02	132.93	134.55		134.65	0.004871	1.50	6.28	6.11	0.39
CALCINARE	CALCINARE	2.1159*	Max WS	7.03	132.91	134.55		134.64	0.004617	1.47	6.41	6.11	0.38
CALCINARE	CALCINARE	2.1015*	Max WS	7.04	132.89	134.55		134.63	0.004373	1.44	6.54	6.11	0.37
CALCINARE	CALCINARE	2.0870*	Max WS	7.05	132.87	134.55		134.63	0.004145	1.41	6.67	6.11	0.36
CALCINARE	CALCINARE	2.0725*	Max WS	7.06	132.85	134.54		134.62	0.003921	1.39	6.80	6.11	0.35
CALCINARE	CALCINARE	2.0580*	Max WS	7.07	132.83	134.54		134.62	0.003714	1.36	6.94	6.11	0.35
CALCINARE	CALCINARE	2.0435*	Max WS	7.08	132.80	134.54		134.62	0.003527	1.34	7.07	6.11	0.34
CALCINARE	CALCINARE	2.0290*	Max WS	7.10	132.78	134.54		134.61	0.003373	1.32	7.19	6.11	0.33
CALCINARE	CALCINARE	2.0145*	Max WS	7.19	132.76	134.53		134.61	0.003289	1.31	7.31	6.10	0.33
CALCINARE	CALCINARE	2	Max WS	7.31	132.74	134.53		134.60	0.003258	1.31	7.42	6.10	0.33
CALCINARE	CALCINARE	1.9093		Lat Struct									
CALCINARE	CALCINARE	1.9091*	Max WS	7.39	132.72	134.52		134.60	0.003457	1.36	7.27	6.16	0.34
CALCINARE	CALCINARE	1.8182*	Max WS	7.46	132.71	134.51		134.59	0.003724	1.43	7.05	6.20	0.35
CALCINARE	CALCINARE	1.7273*	Max WS	7.54	132.69	134.49		134.59	0.004075	1.50	6.78	6.21	0.37
CALCINARE	CALCINARE	1.6669		Lat Struct									
CALCINARE	CALCINARE	1.6668		Lat Struct									
CALCINARE	CALCINARE	1.6364*	Max WS	7.31	132.67	134.48		134.58	0.004166	1.53	6.44	6.18	0.37
CALCINARE	CALCINARE	1.5455*	Max WS	7.34	132.65	134.46		134.58	0.004617	1.62	6.05	6.09	0.39
CALCINARE	CALCINARE	1.4545*	Max WS	7.20	132.64	134.44		134.57	0.004915	1.68	5.60	5.91	0.41
CALCINARE	CALCINARE	1.3636*	Max WS	7.21	132.62	134.42		134.57	0.005472	1.78	5.12	5.61	0.43
CALCINARE	CALCINARE	1.2727*	Max WS	7.21	132.60	134.40		134.57	0.006063	1.88	4.60	5.10	0.45
CALCINARE	CALCINARE	1.1818*	Max WS	7.21	132.58	134.38		134.57	0.006614	1.97	4.12	4.24	0.47
CALCINARE	CALCINARE	1.0909*	Max WS	1.32	132.57	134.37		134.38	0.000233	0.37	3.77	2.93	0.09
CALCINARE	CALCINARE	1	Max WS	1.32	132.55	134.37		134.37	0.000237	0.38	3.56	2.02	0.09

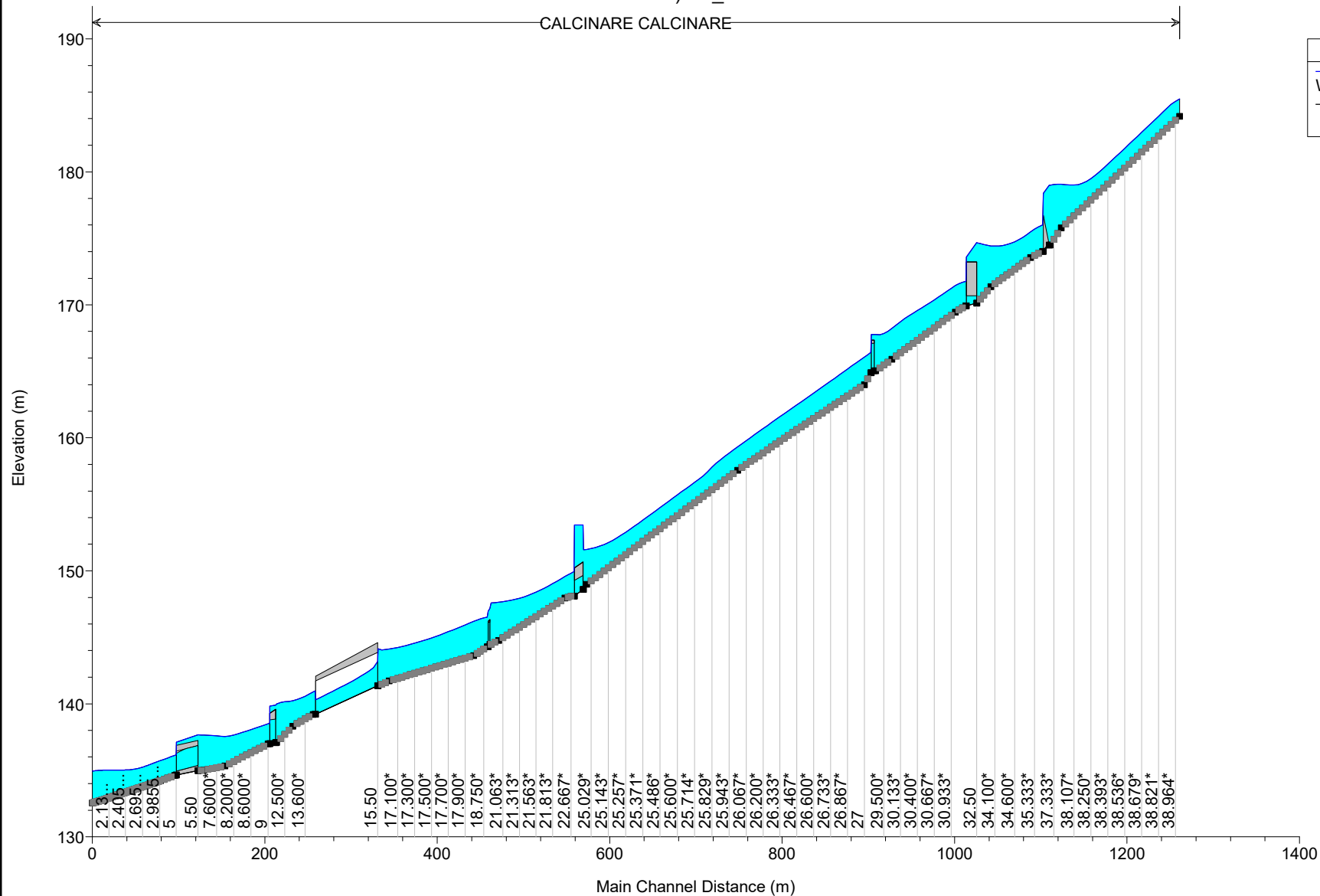
terni Plan: 1) S0_TR200* 24/05/2024

← CALCINARE CALCINARE →

Legend

WS Max WS

Ground



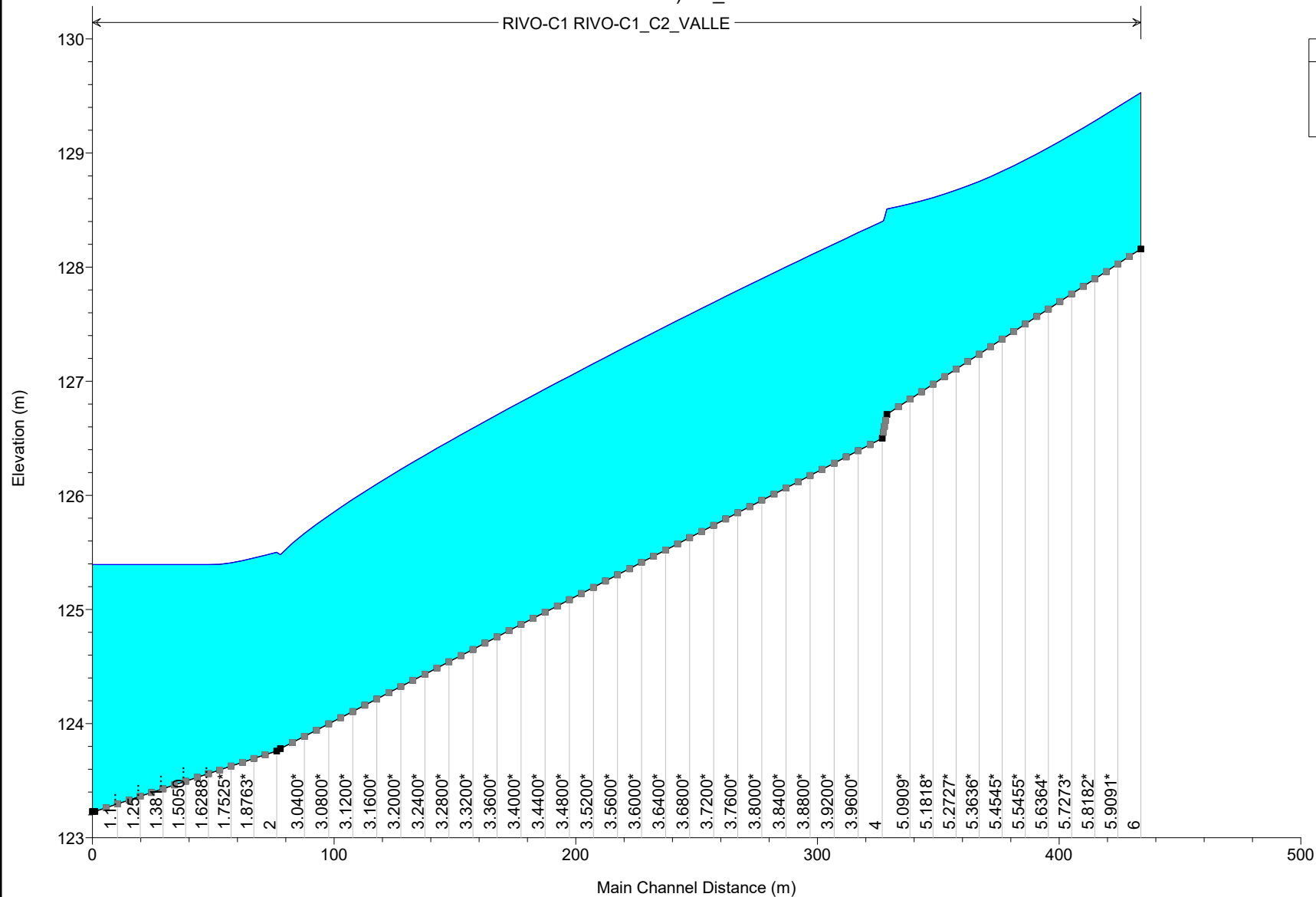
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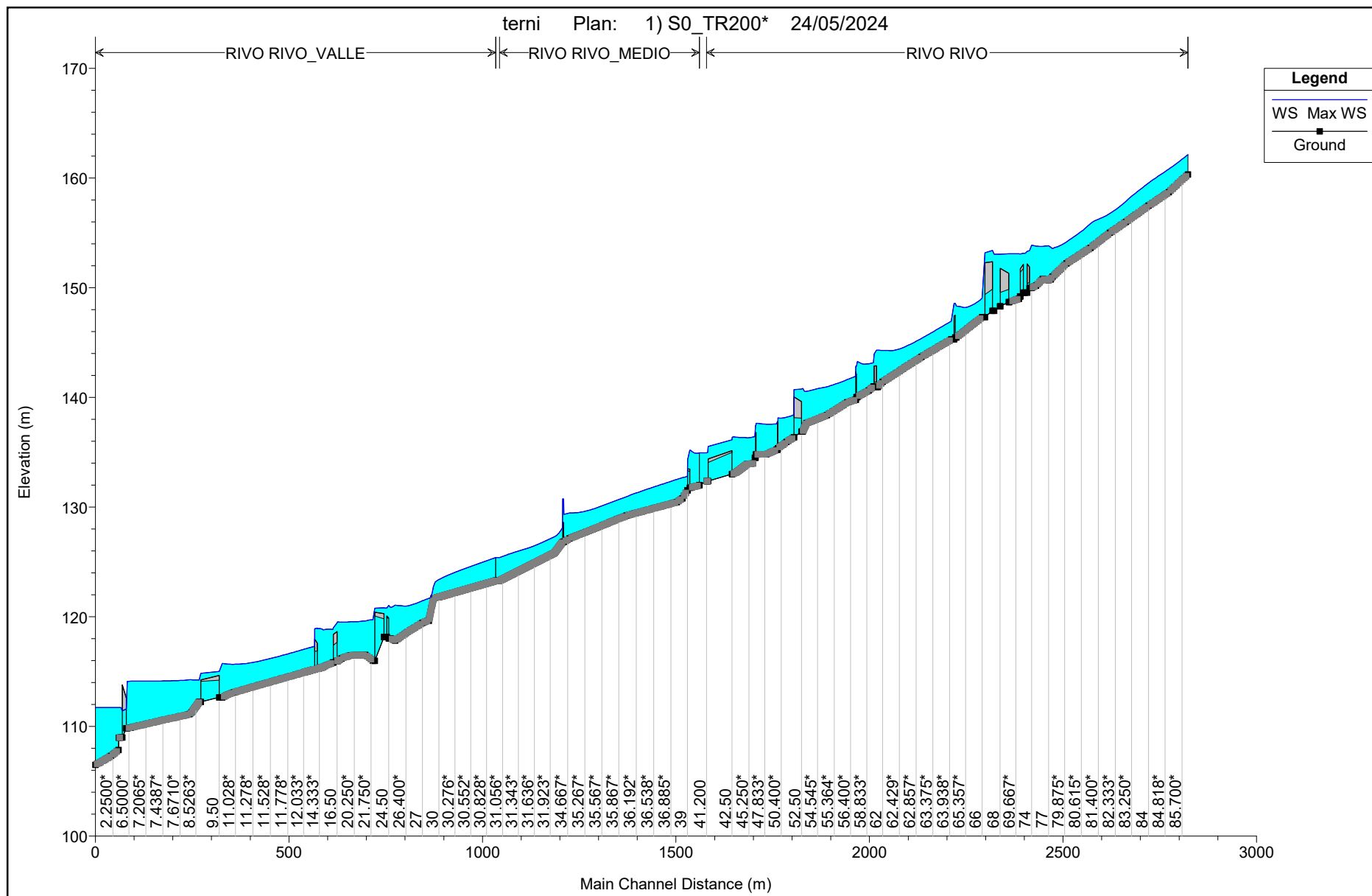
RIVO-C1 RIVO-C1_C2_VALLE

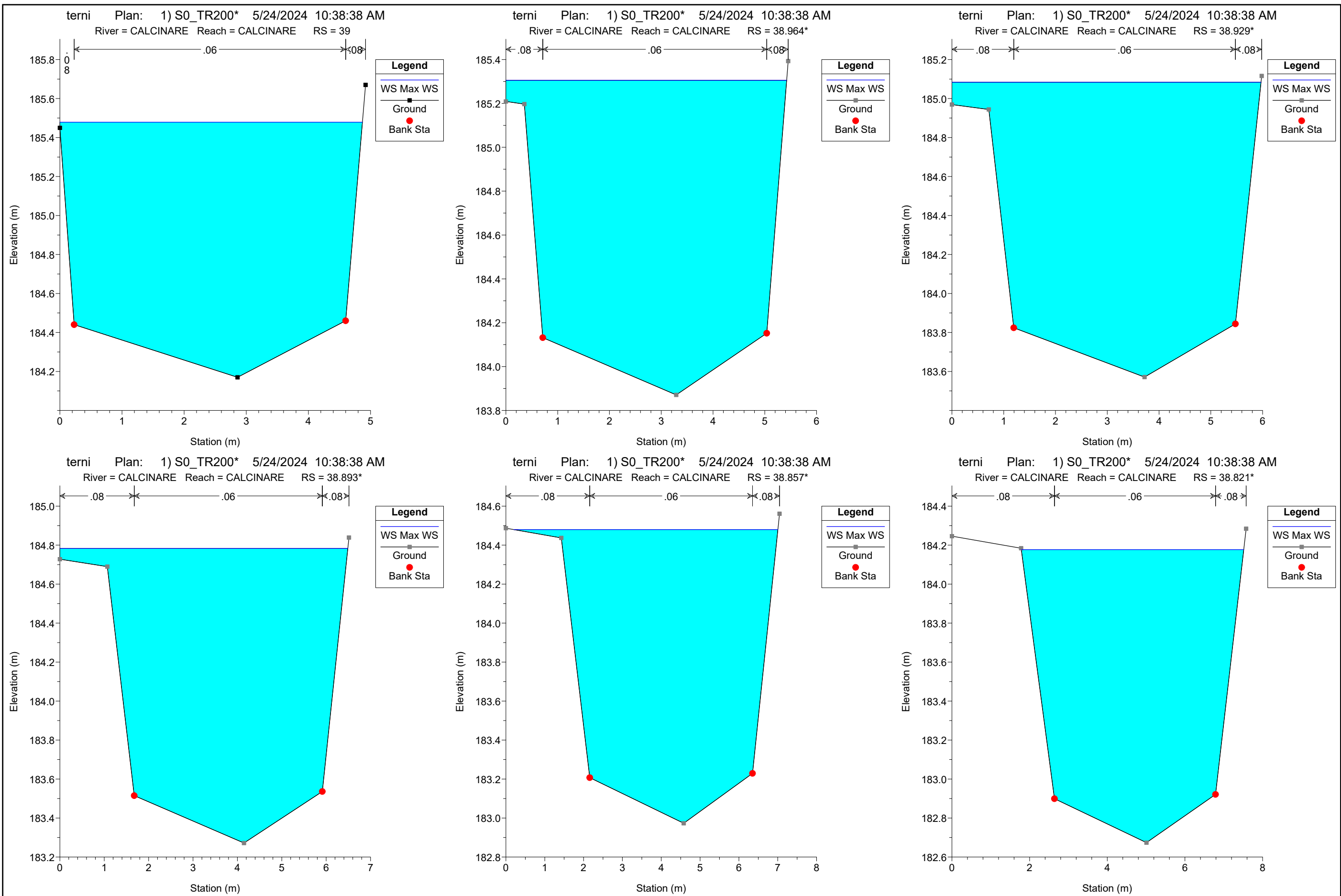
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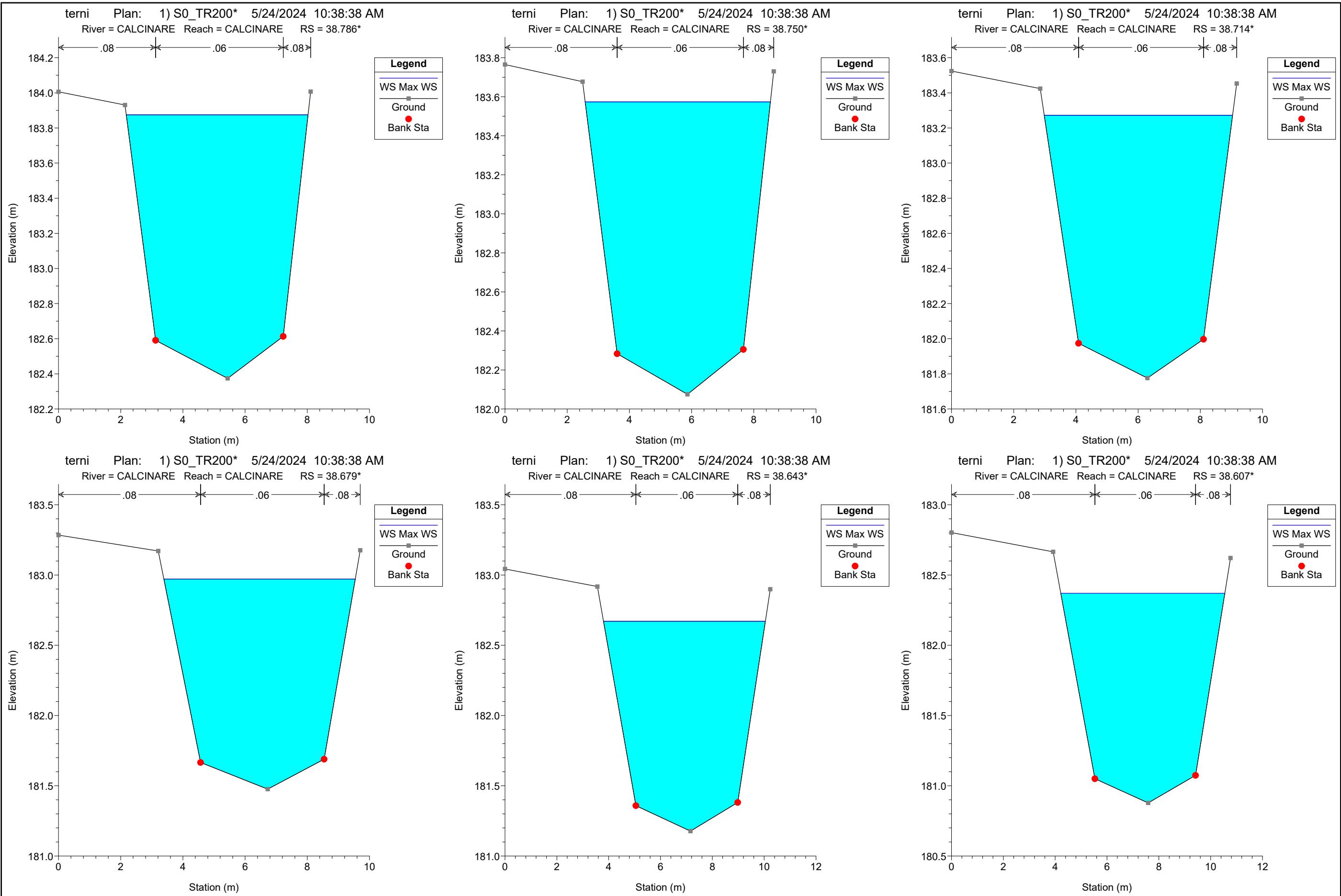
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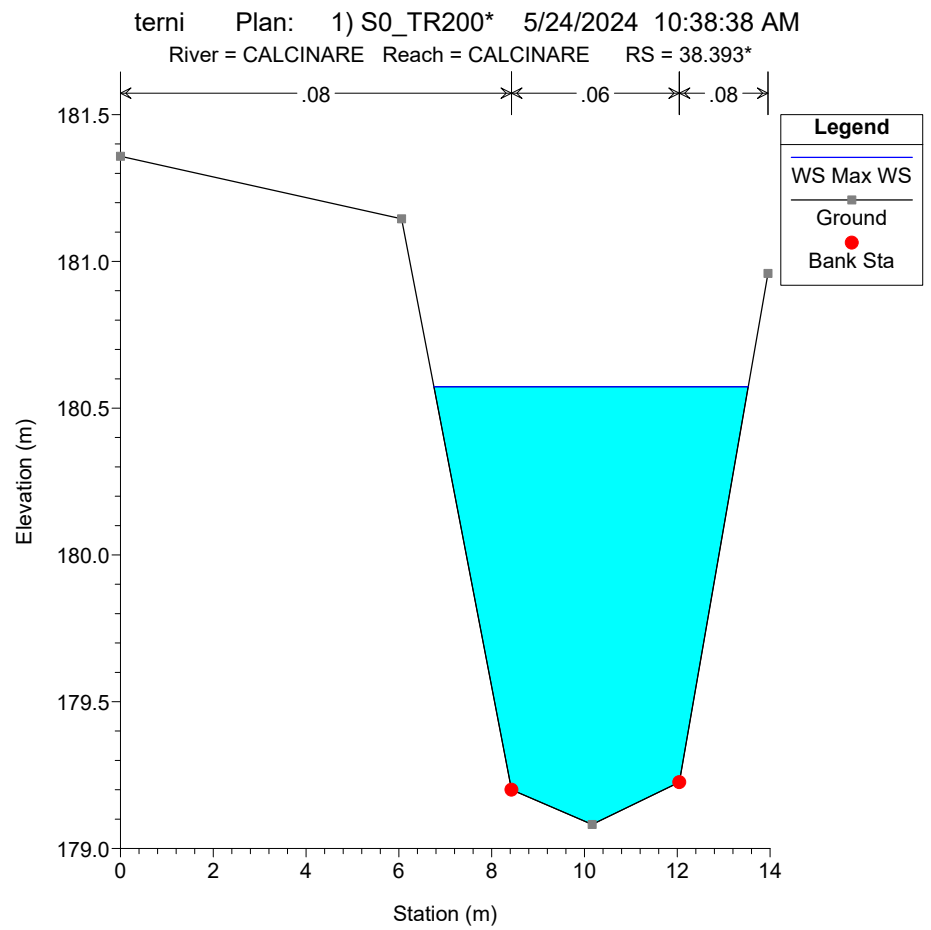
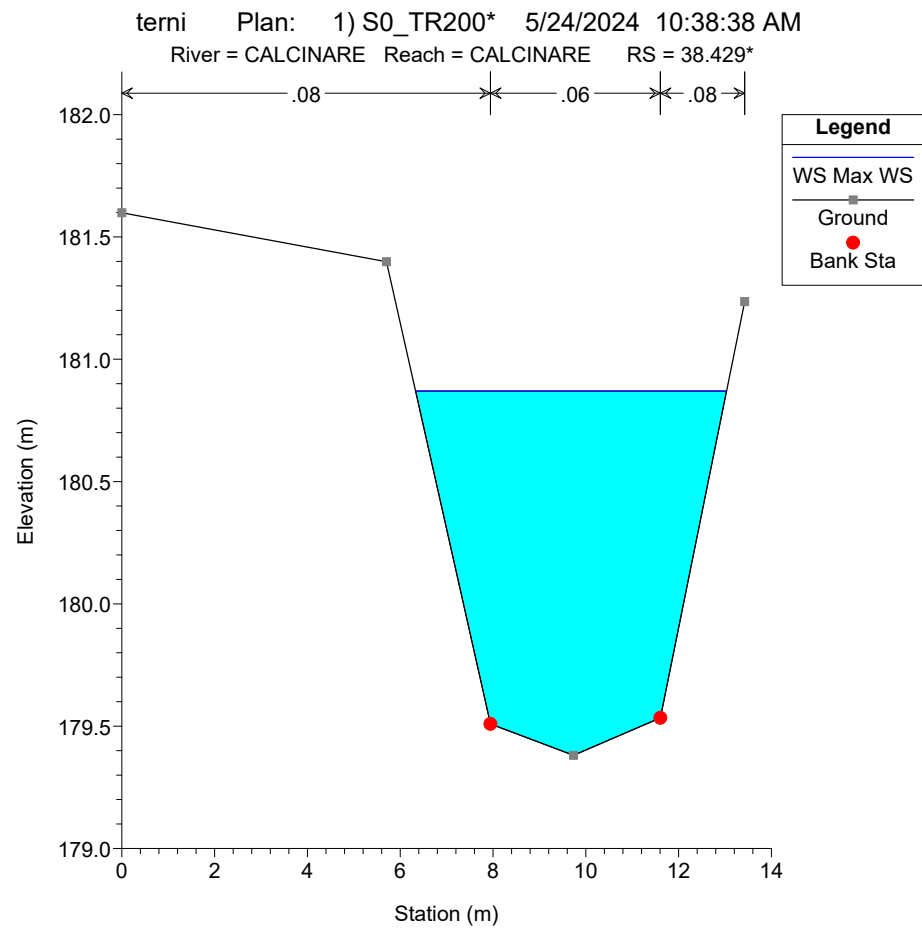
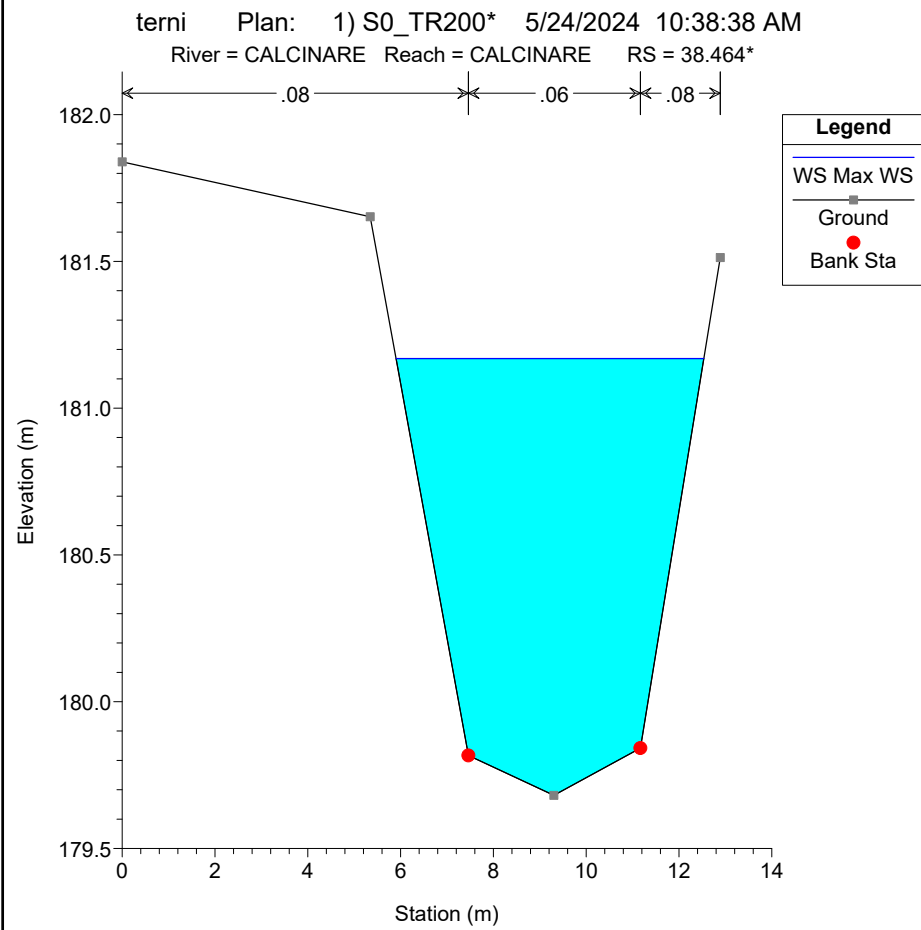
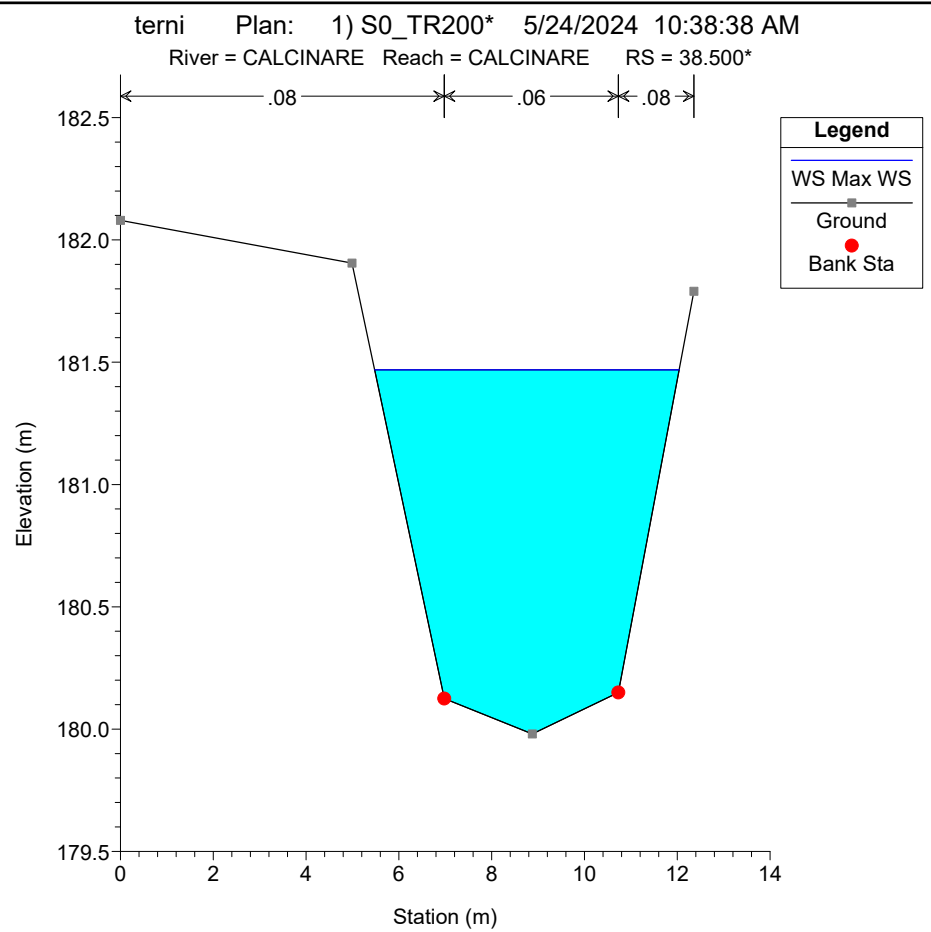
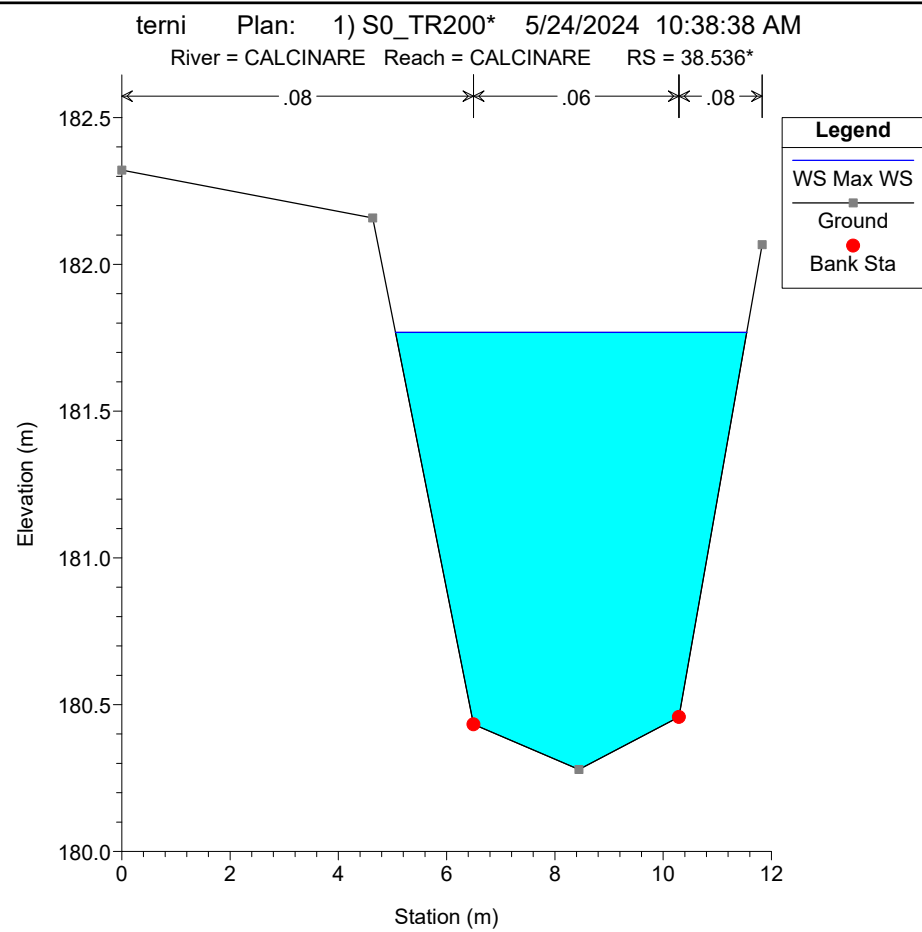
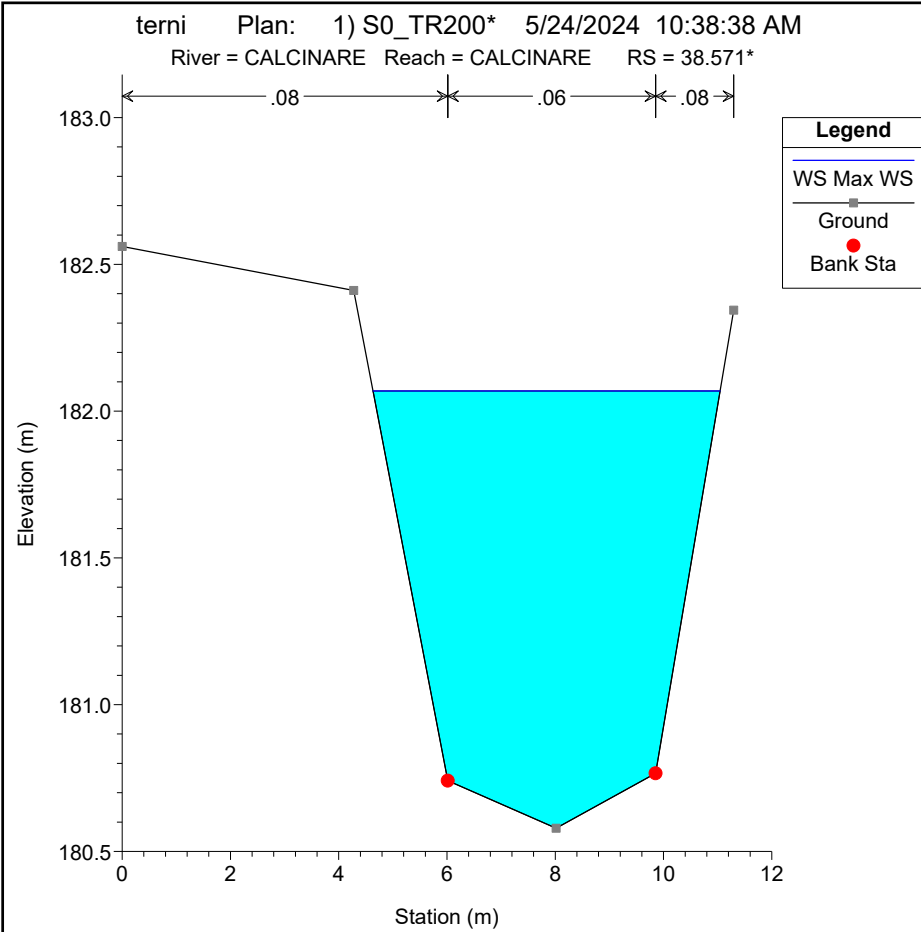
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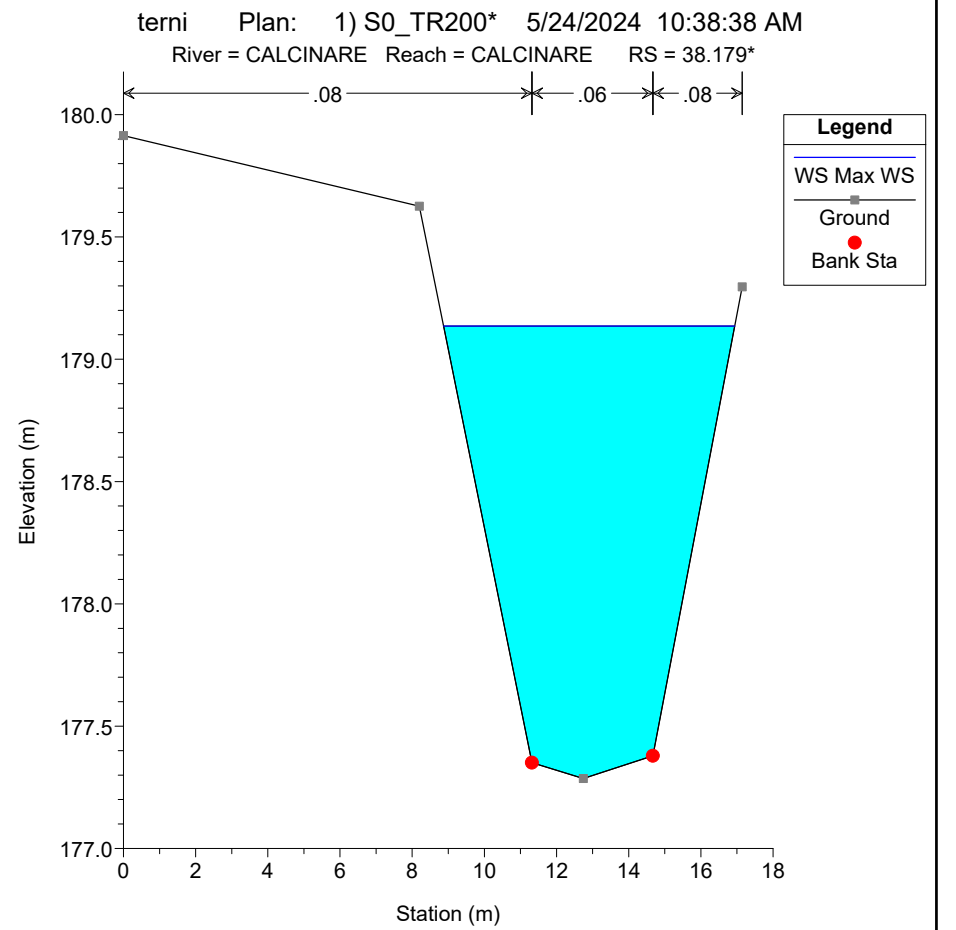
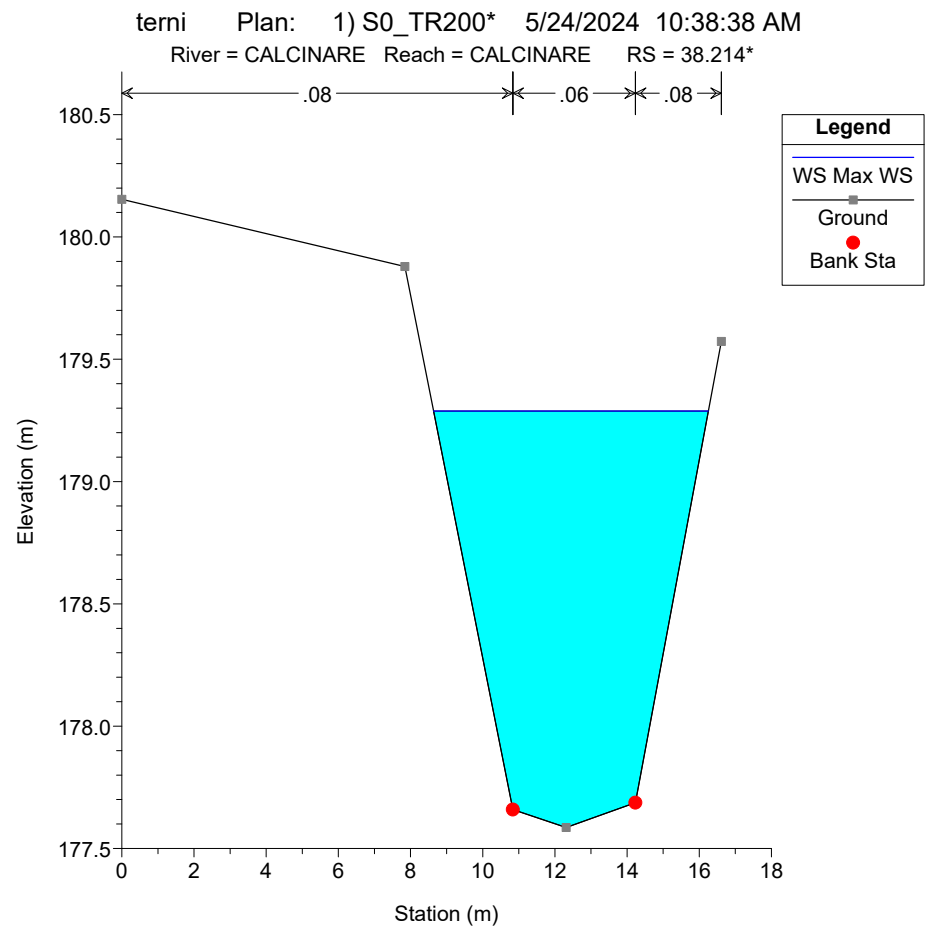
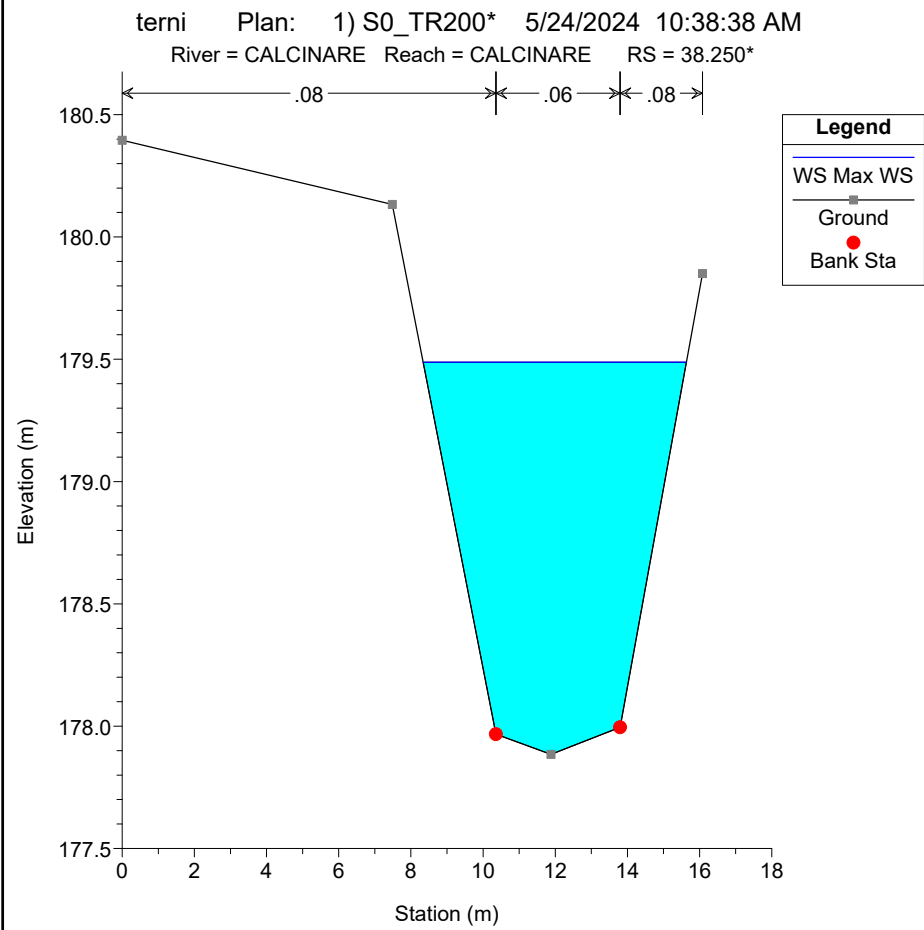
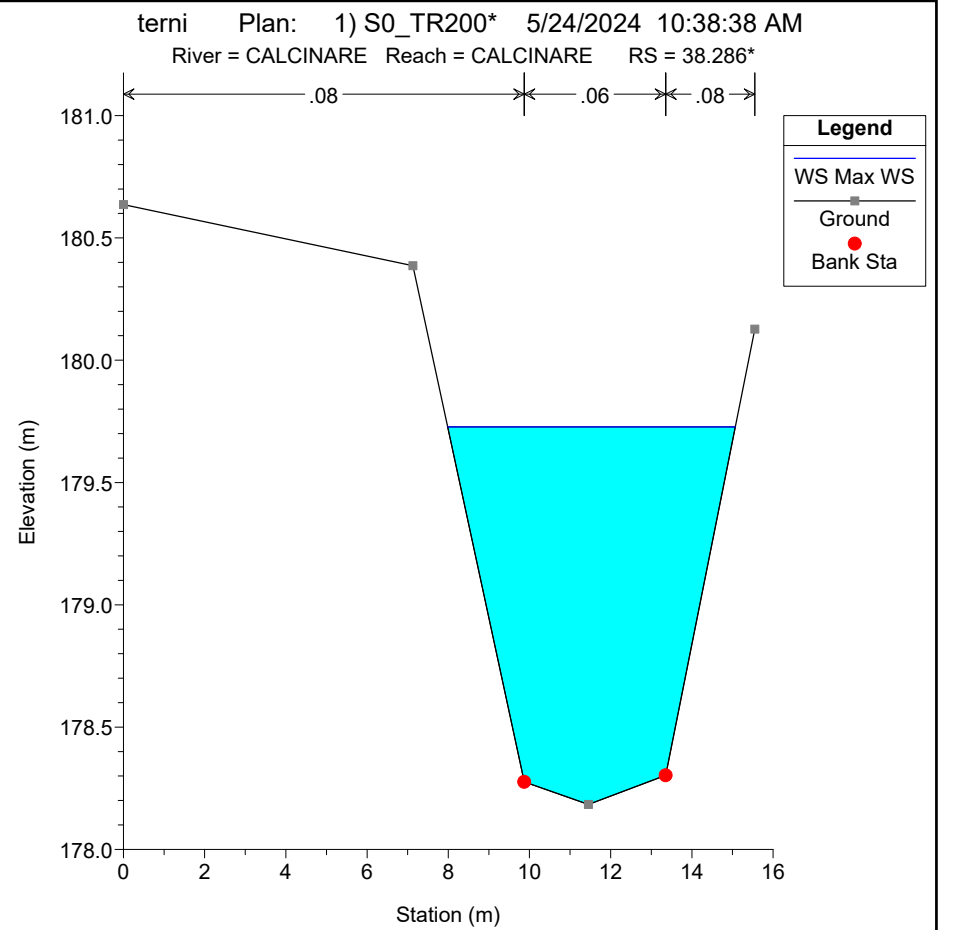
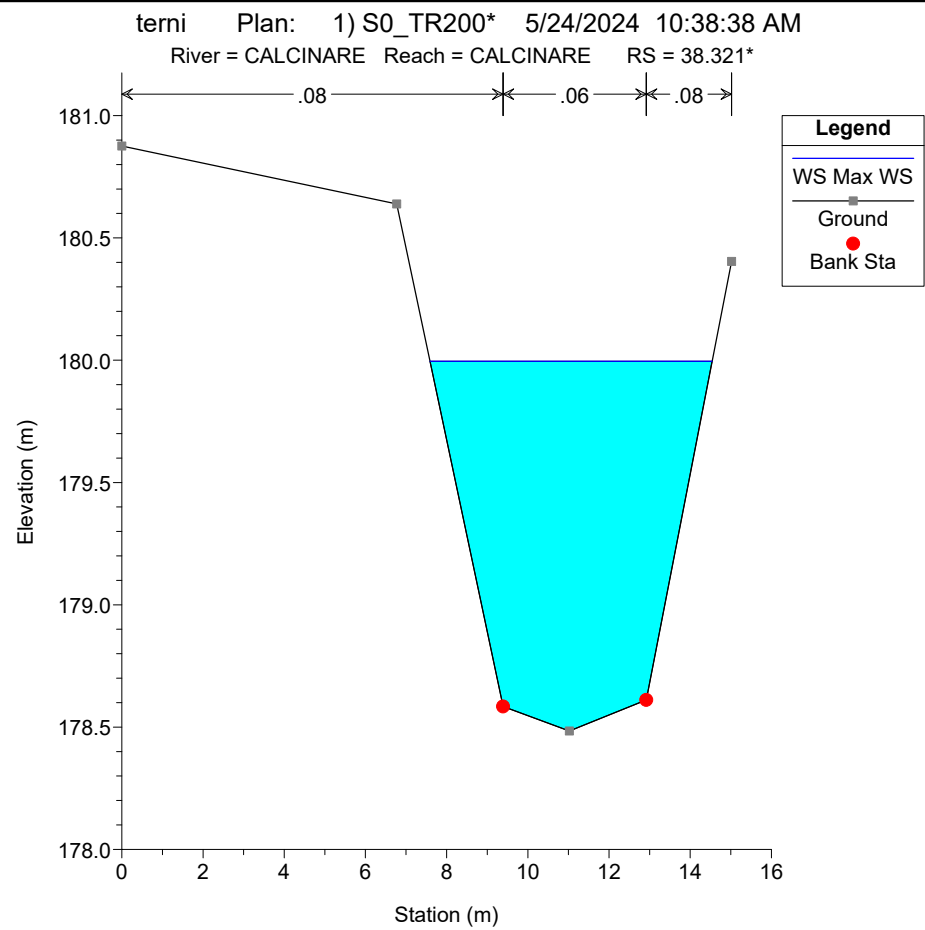
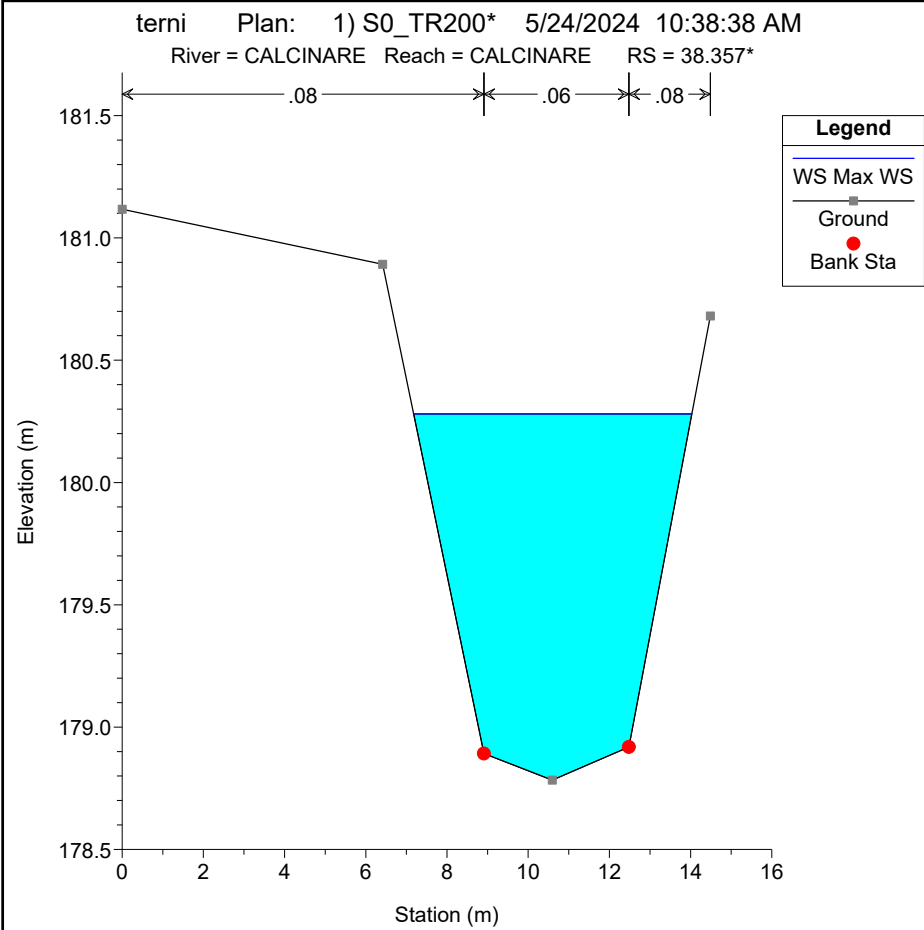


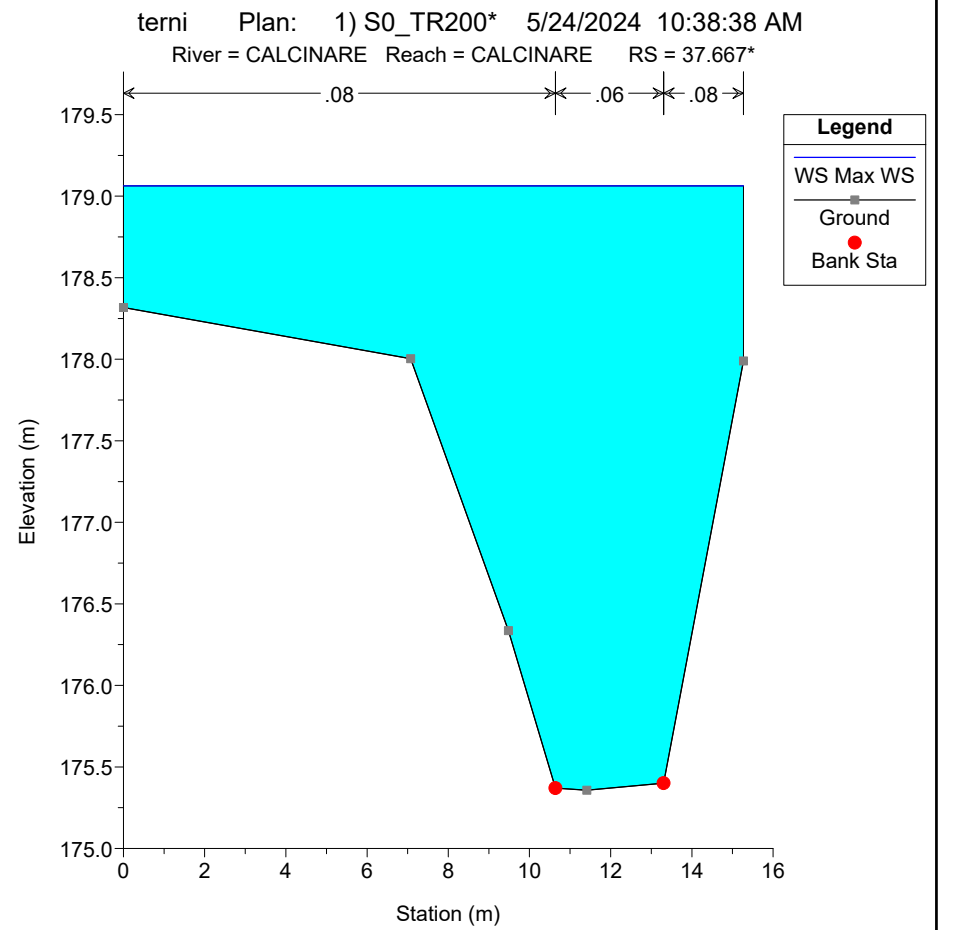
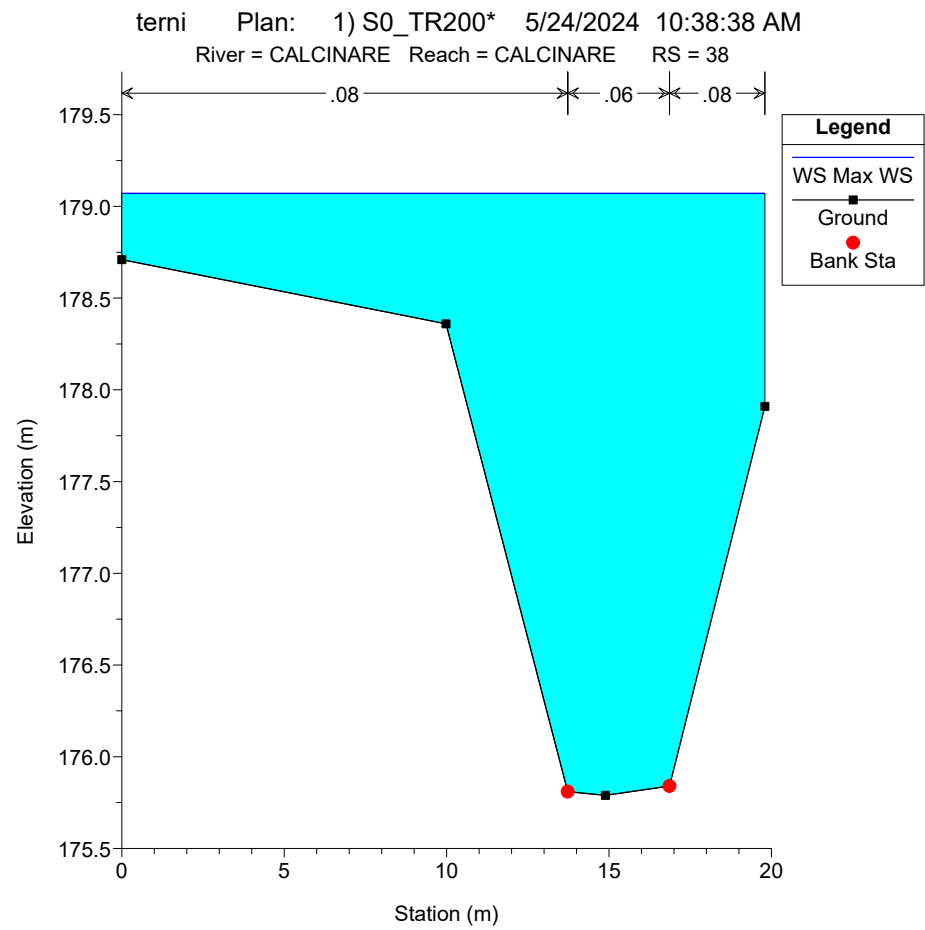
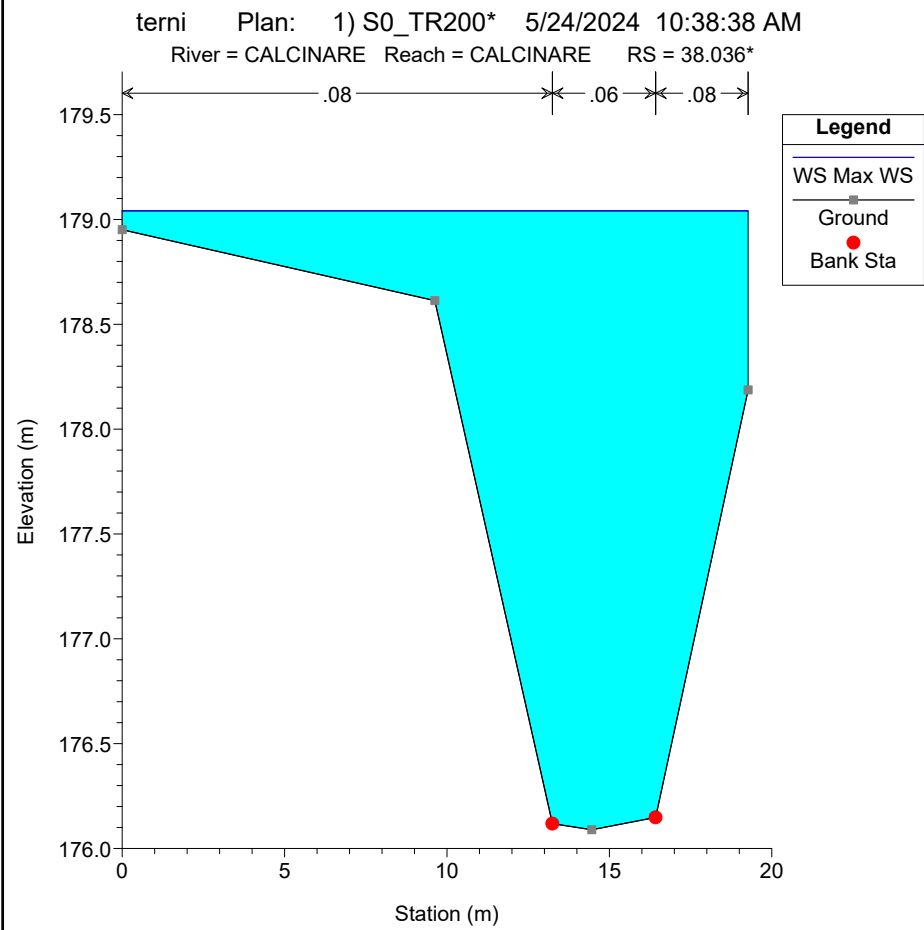
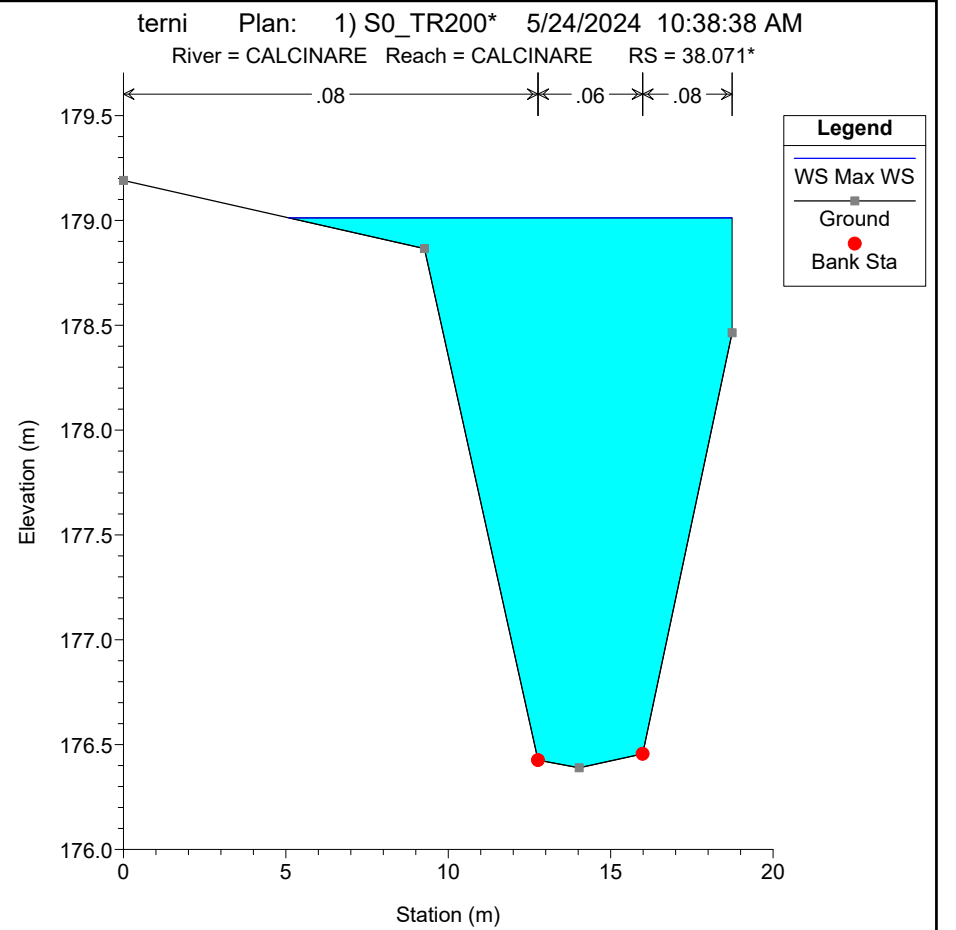
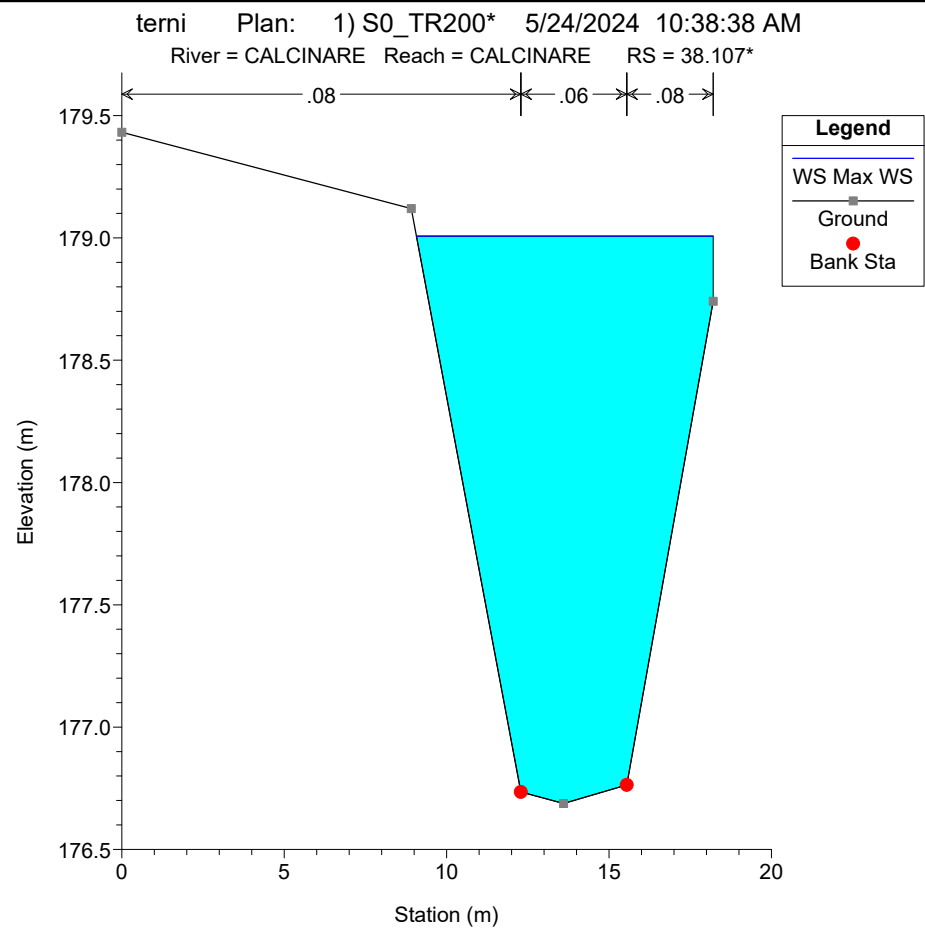
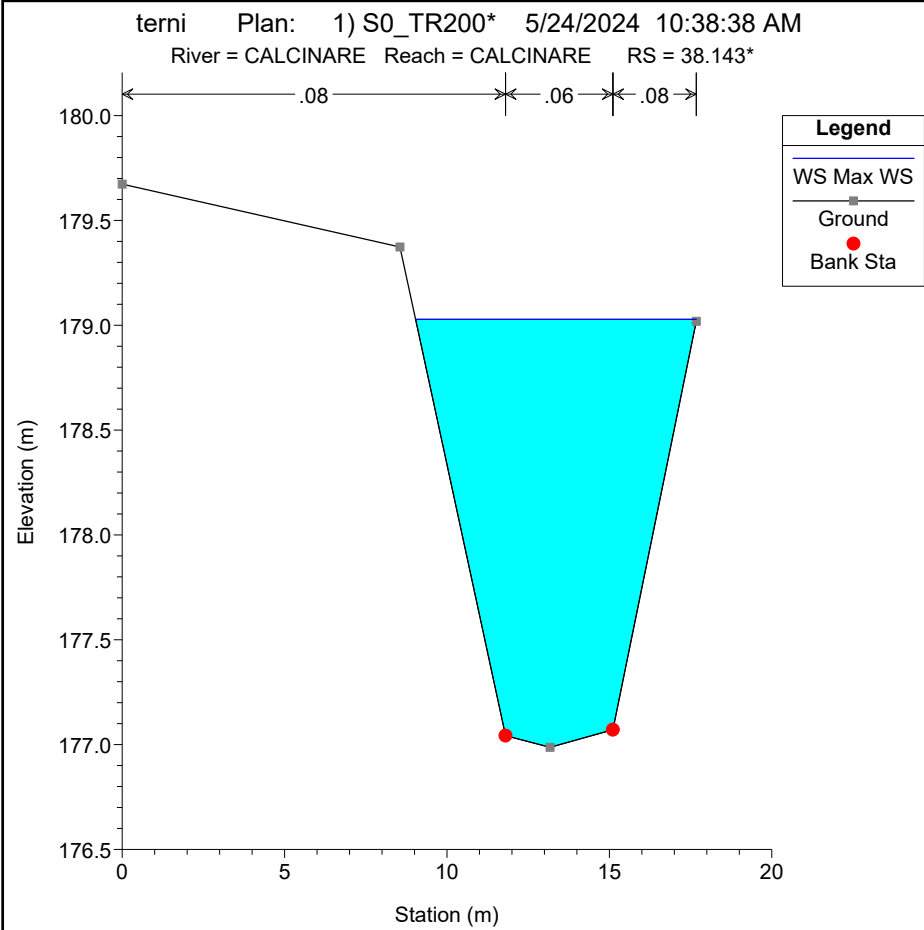


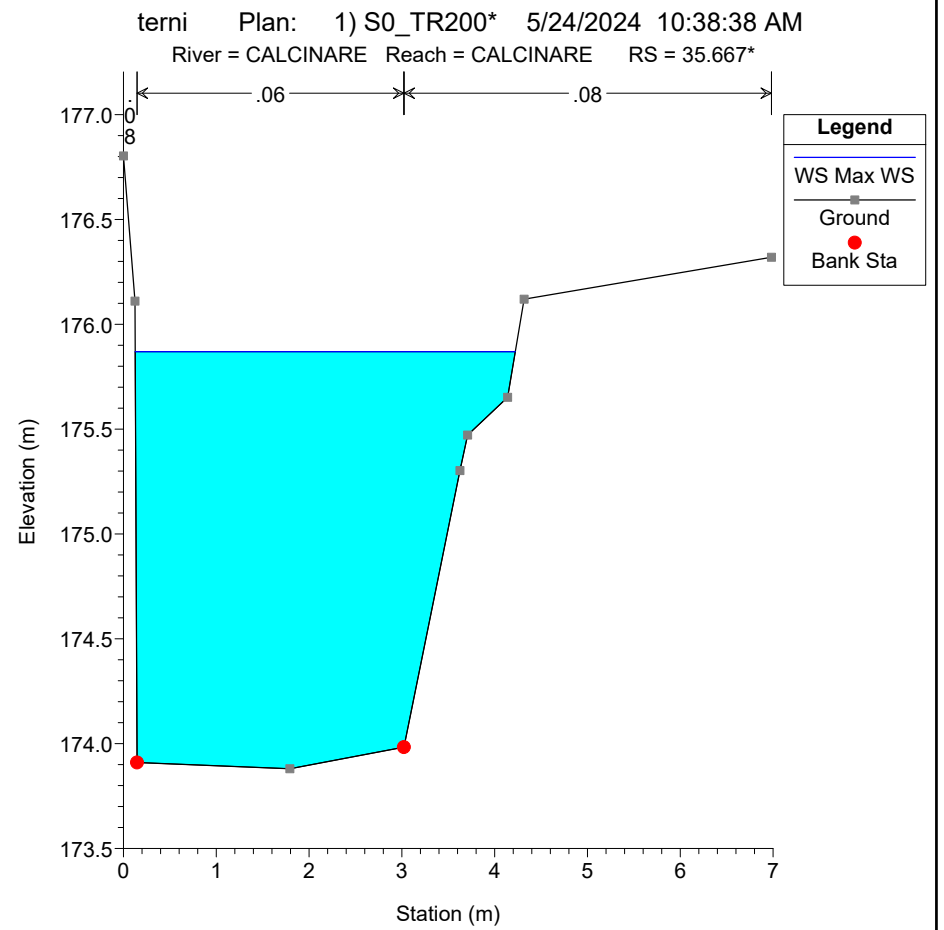
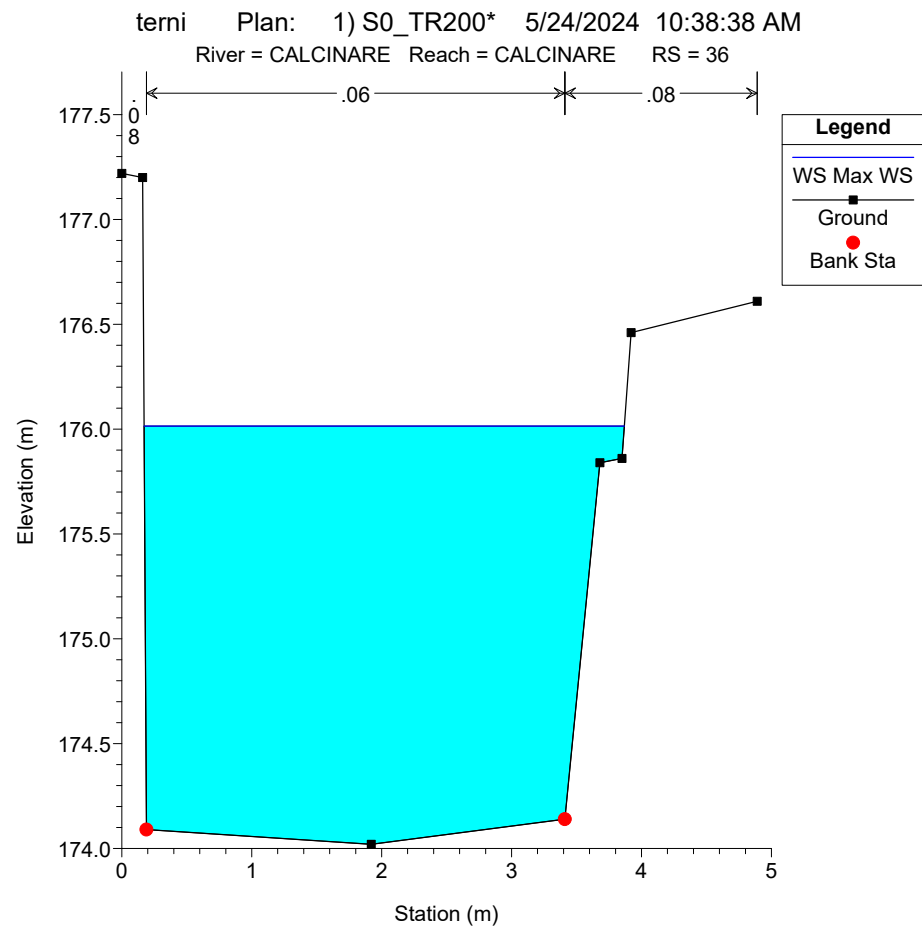
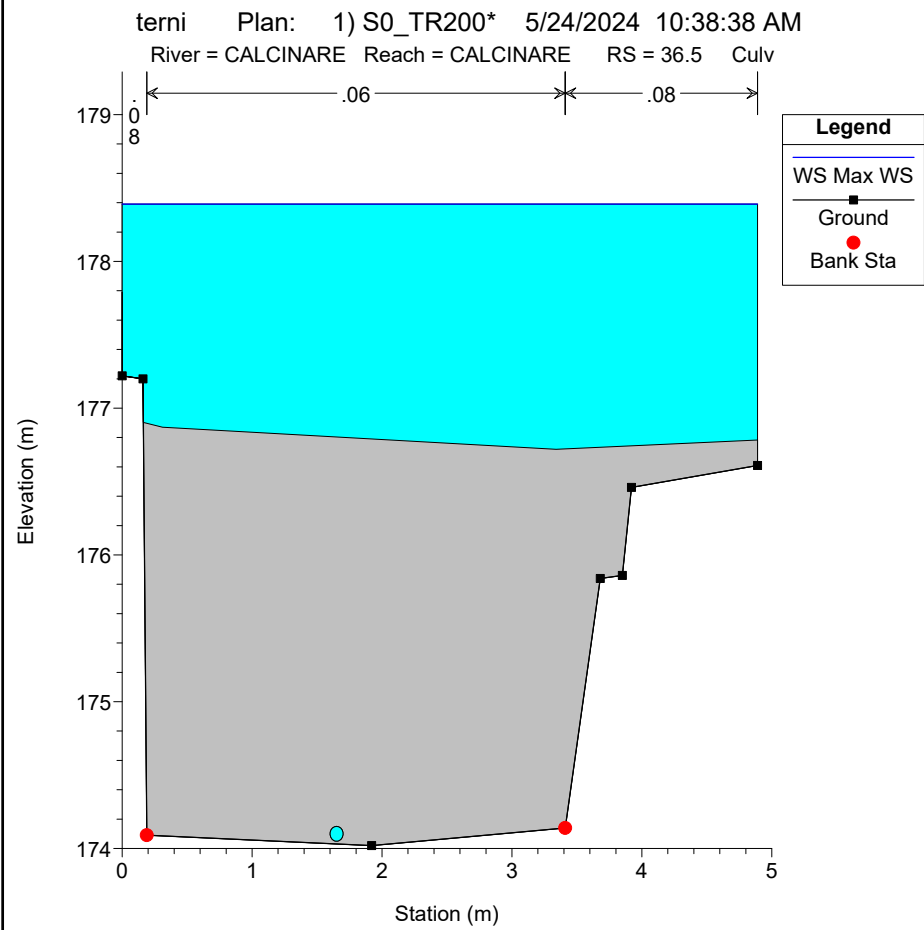
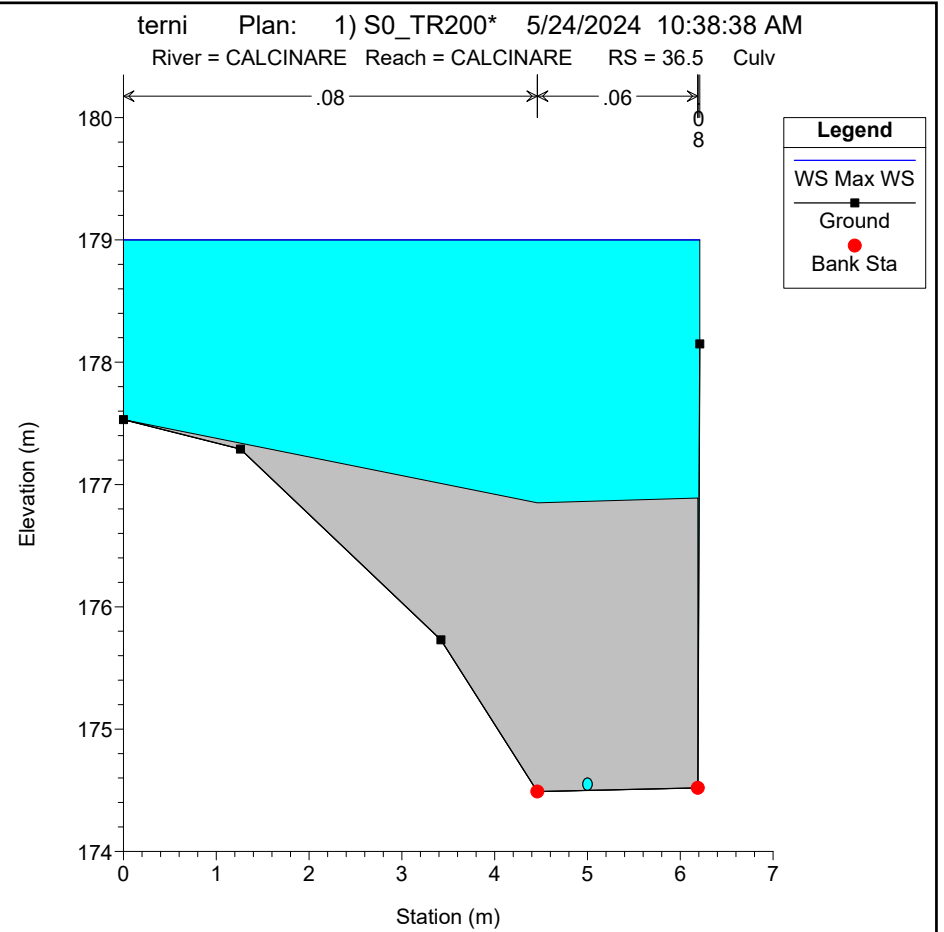
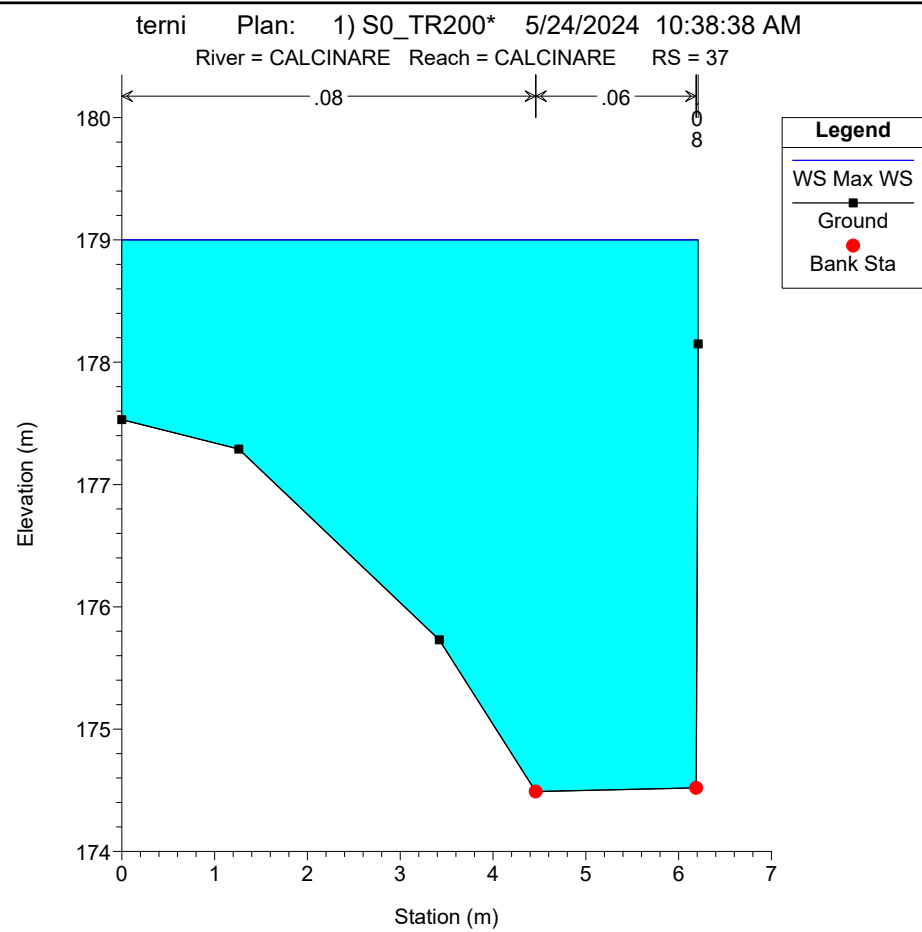
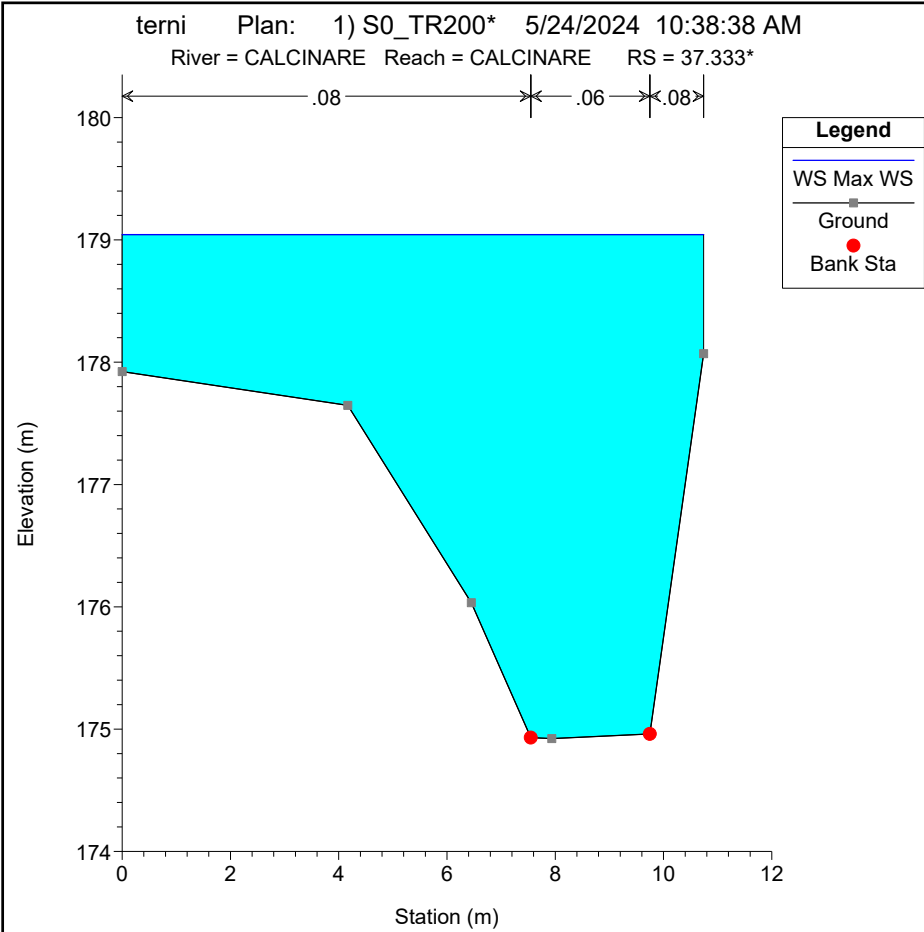


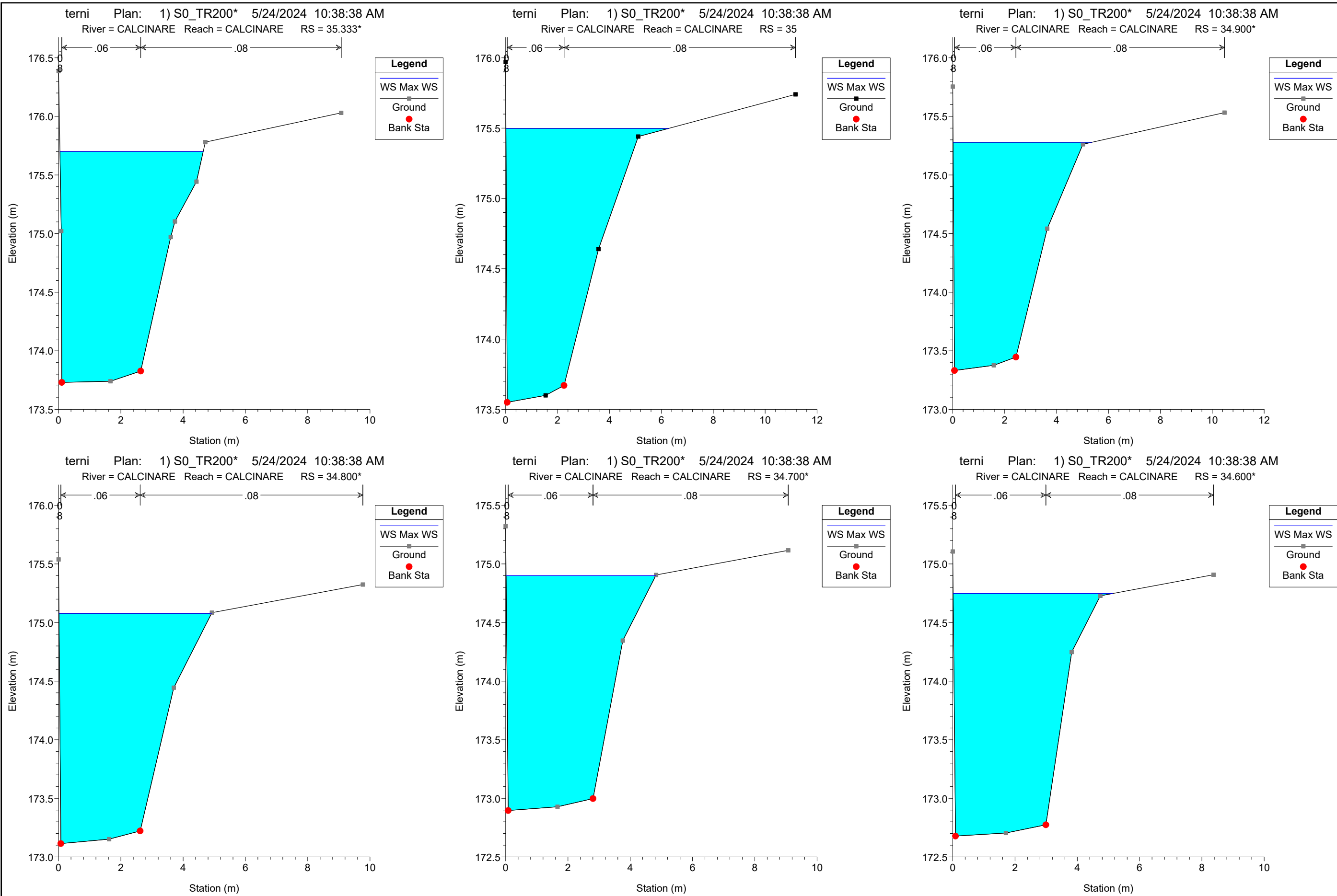


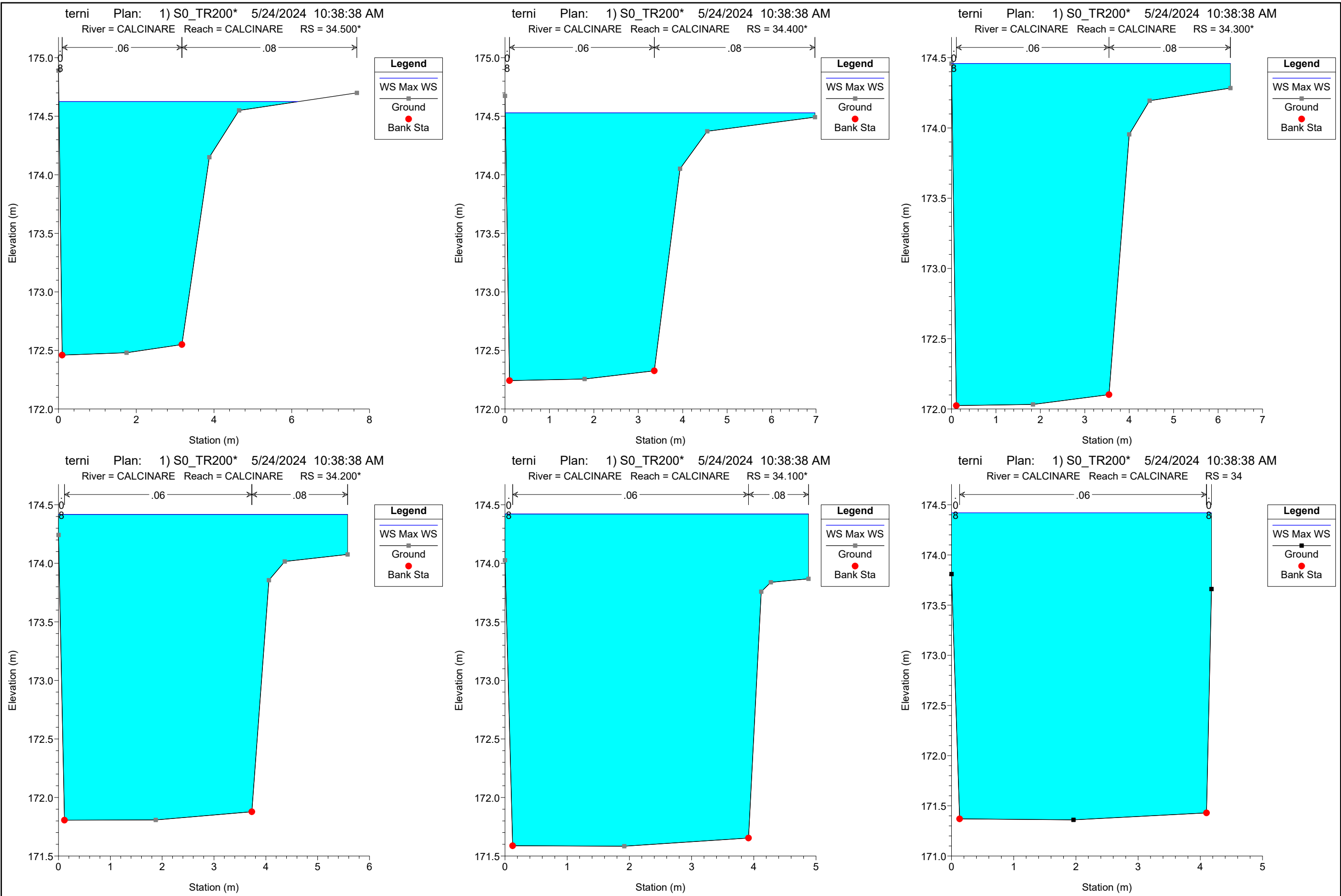


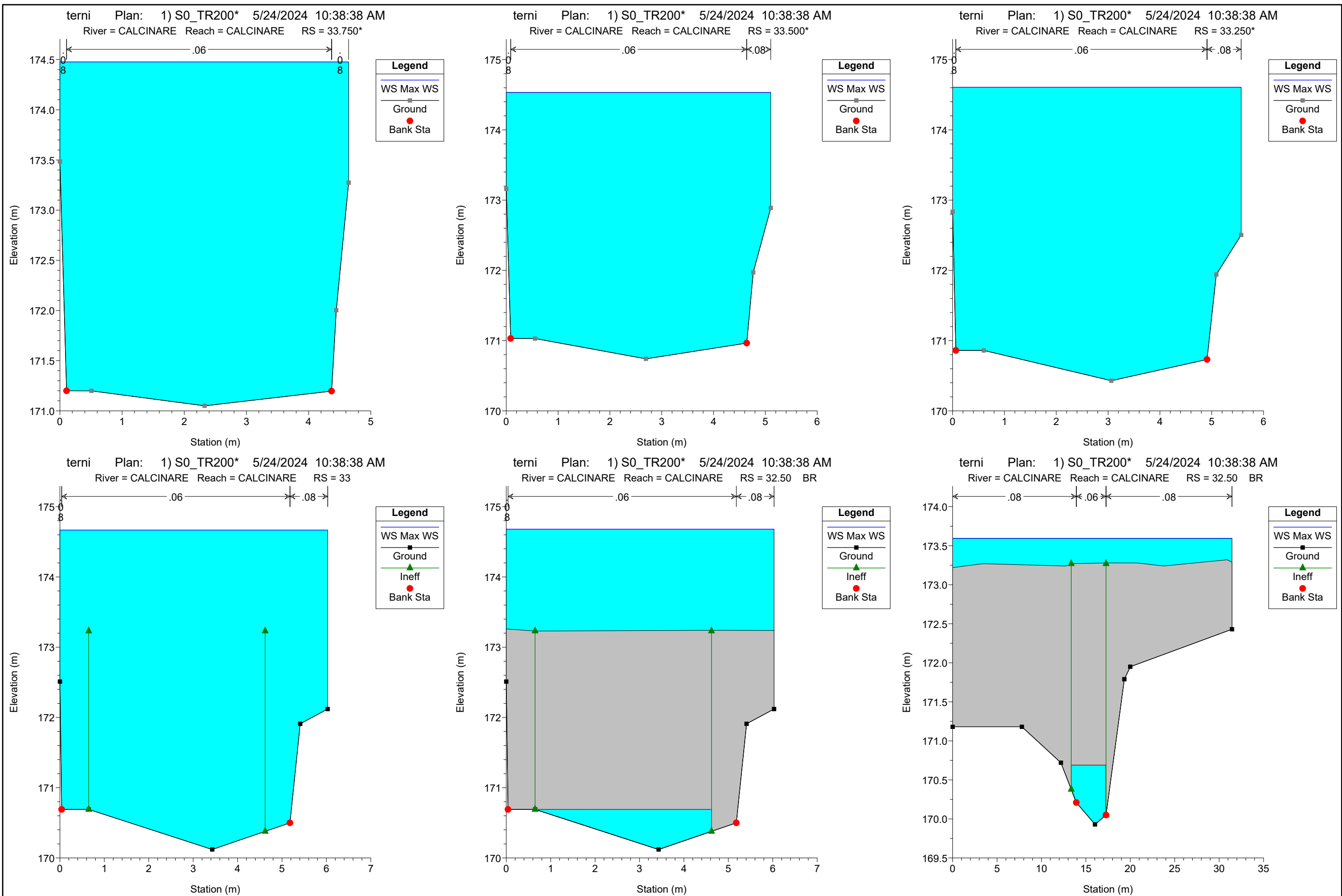


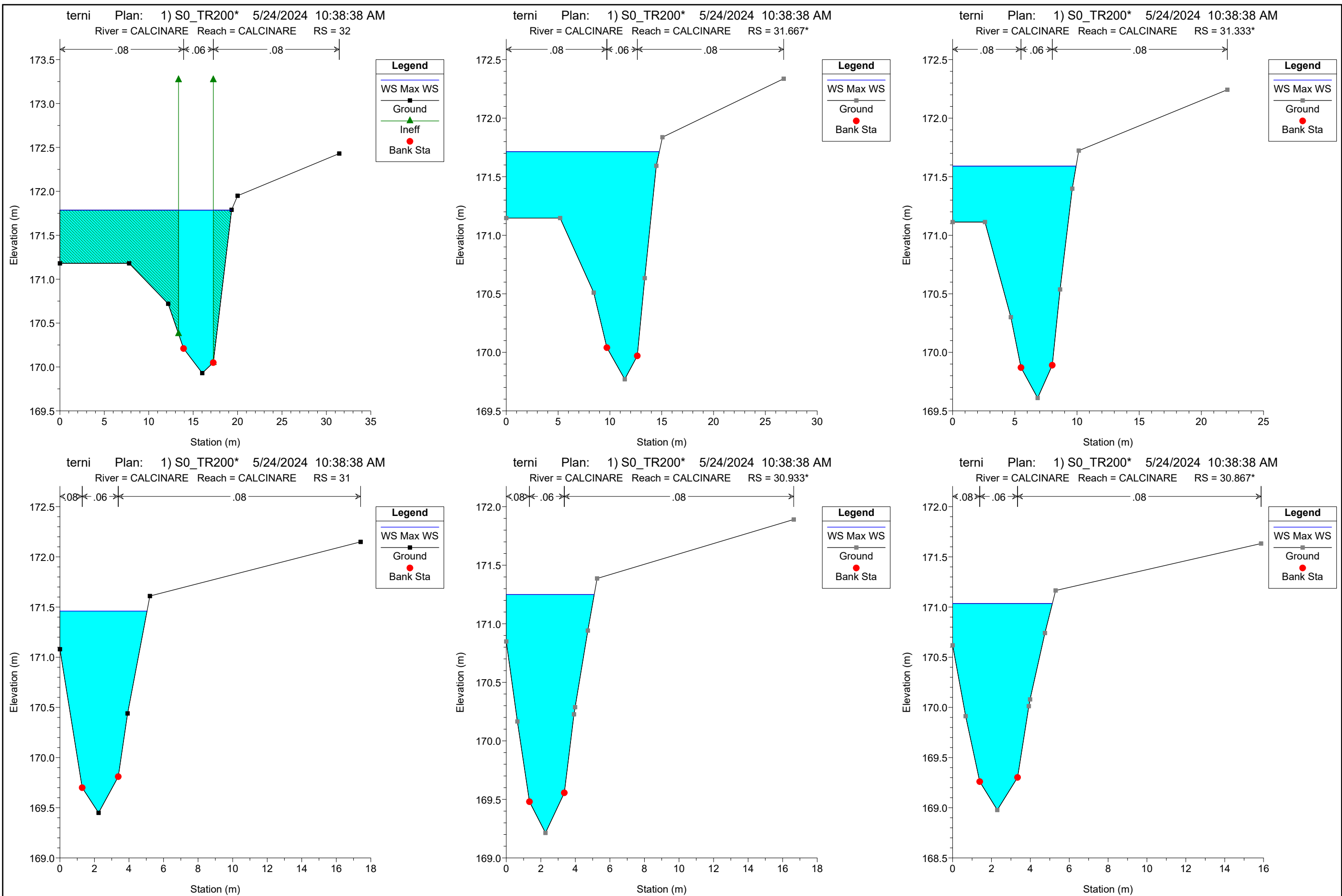


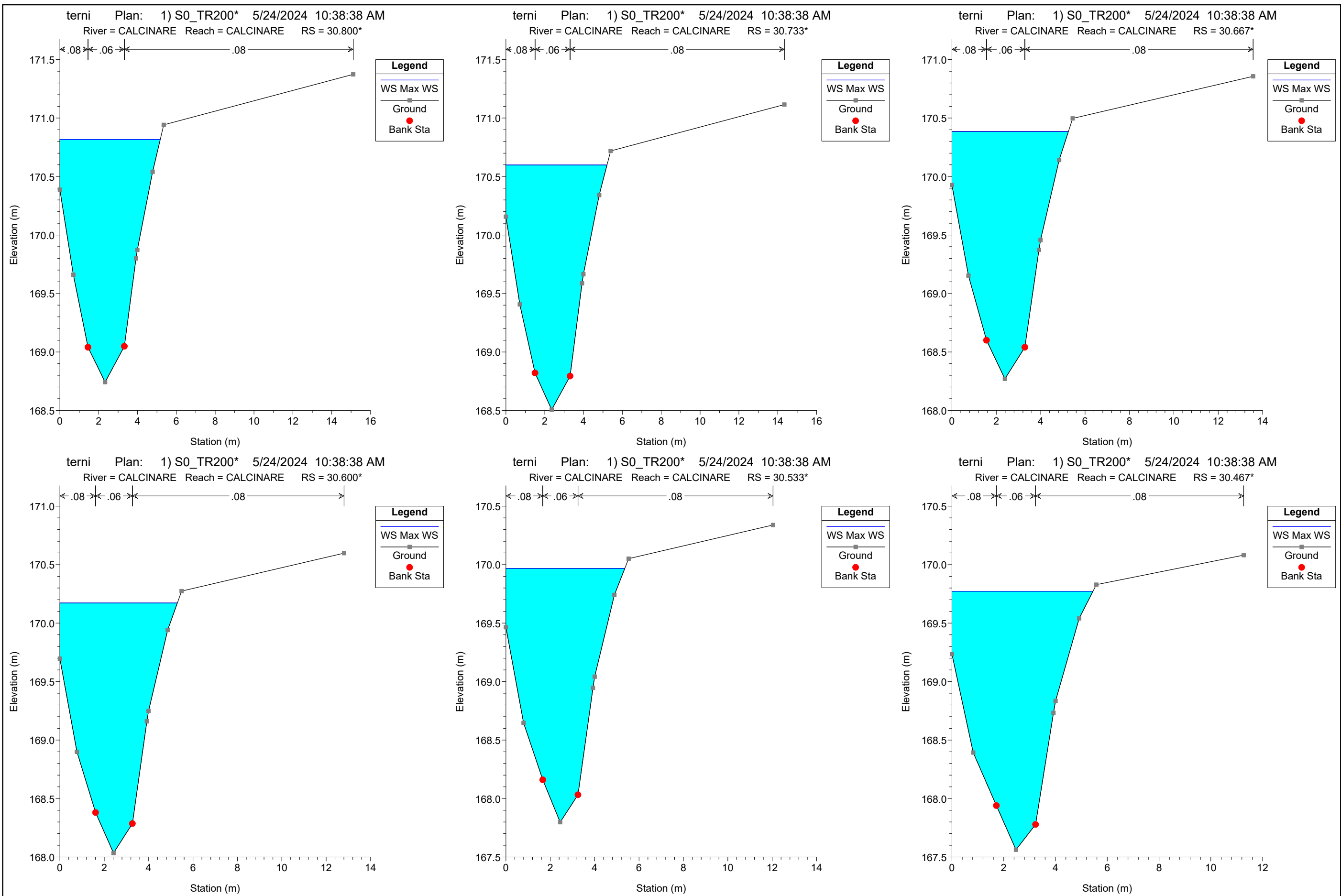


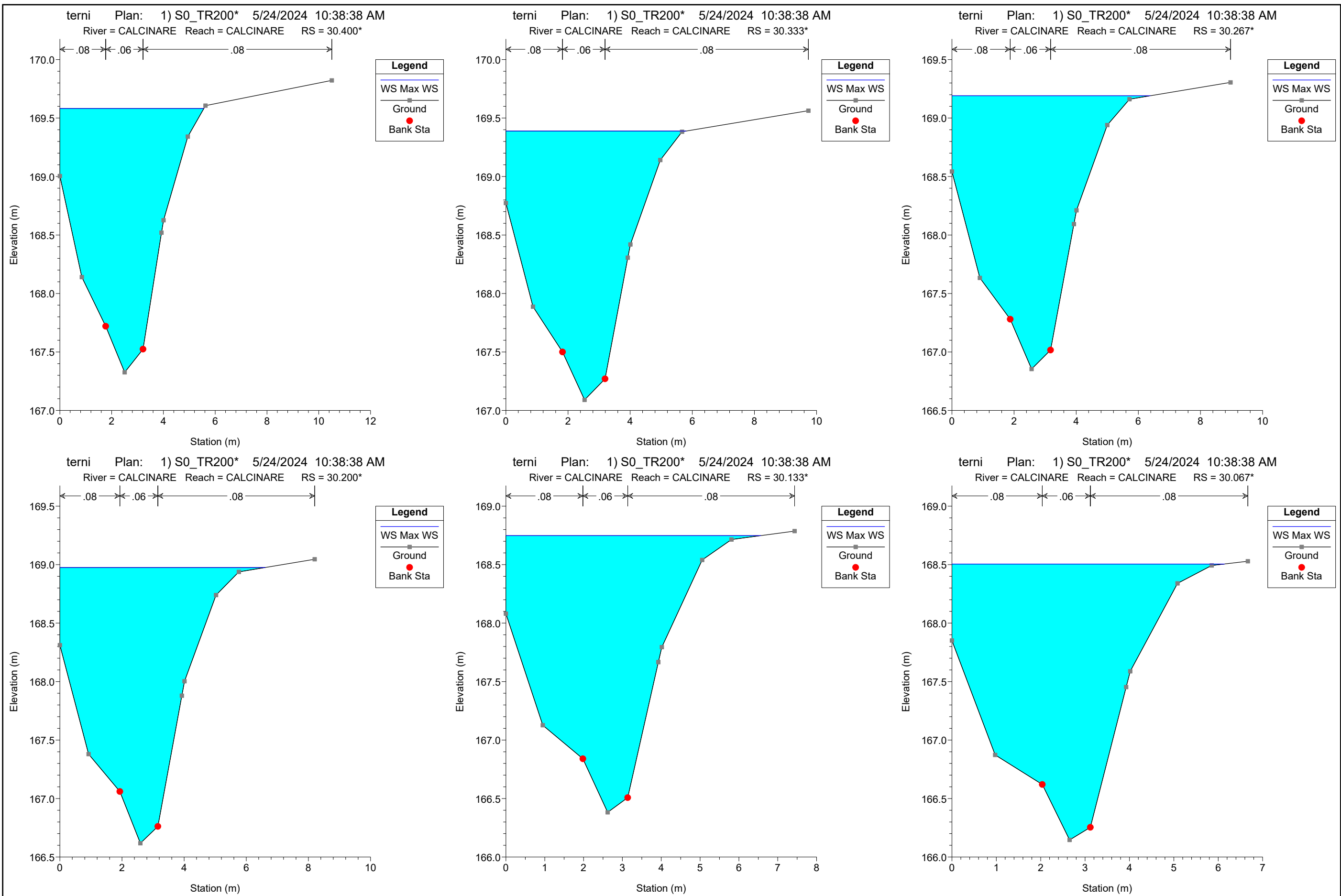


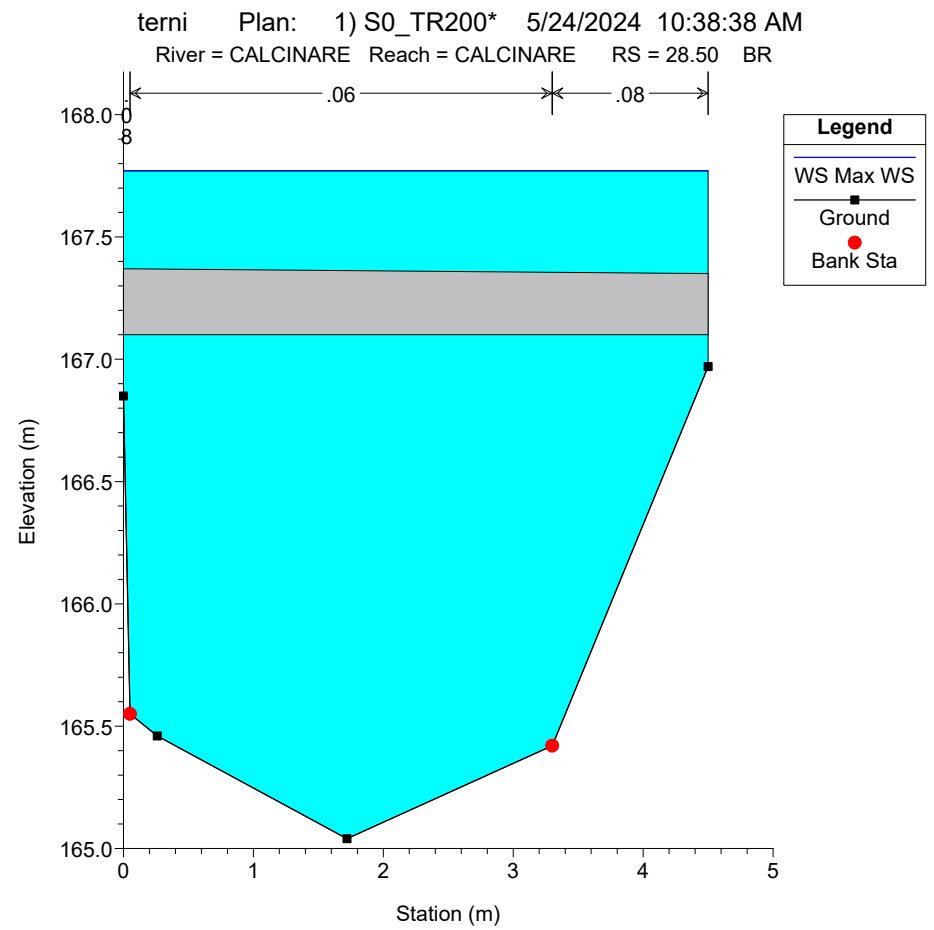
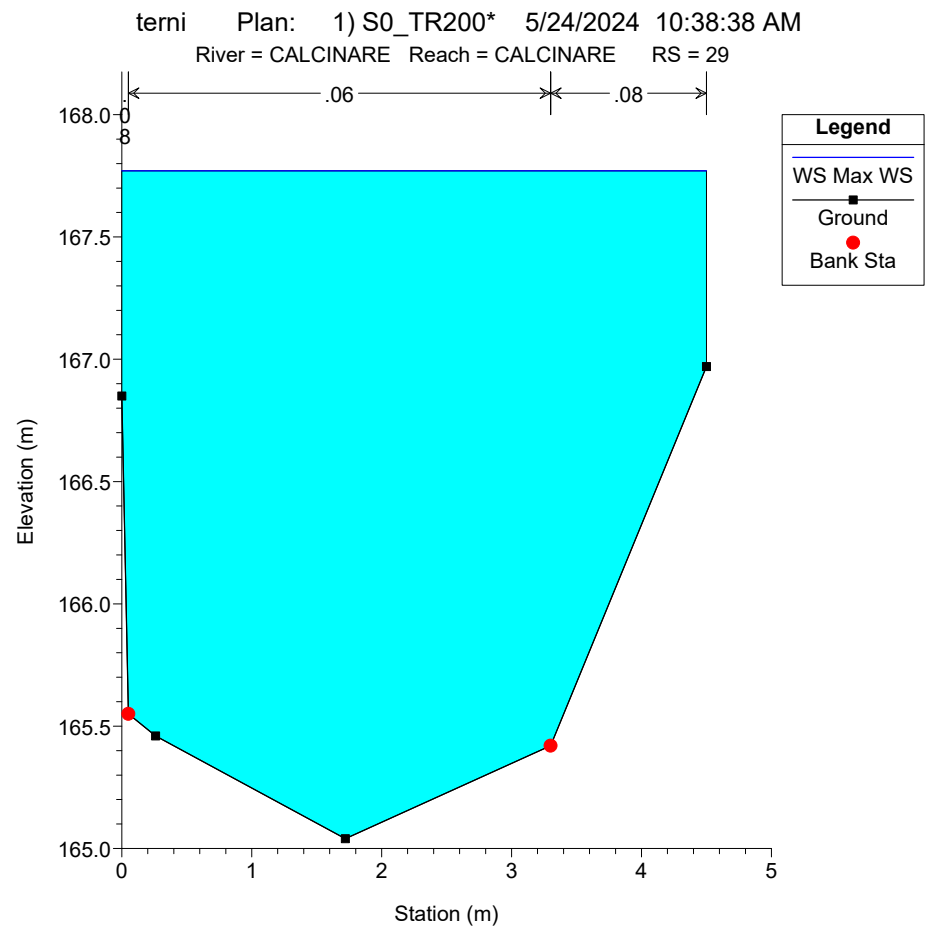
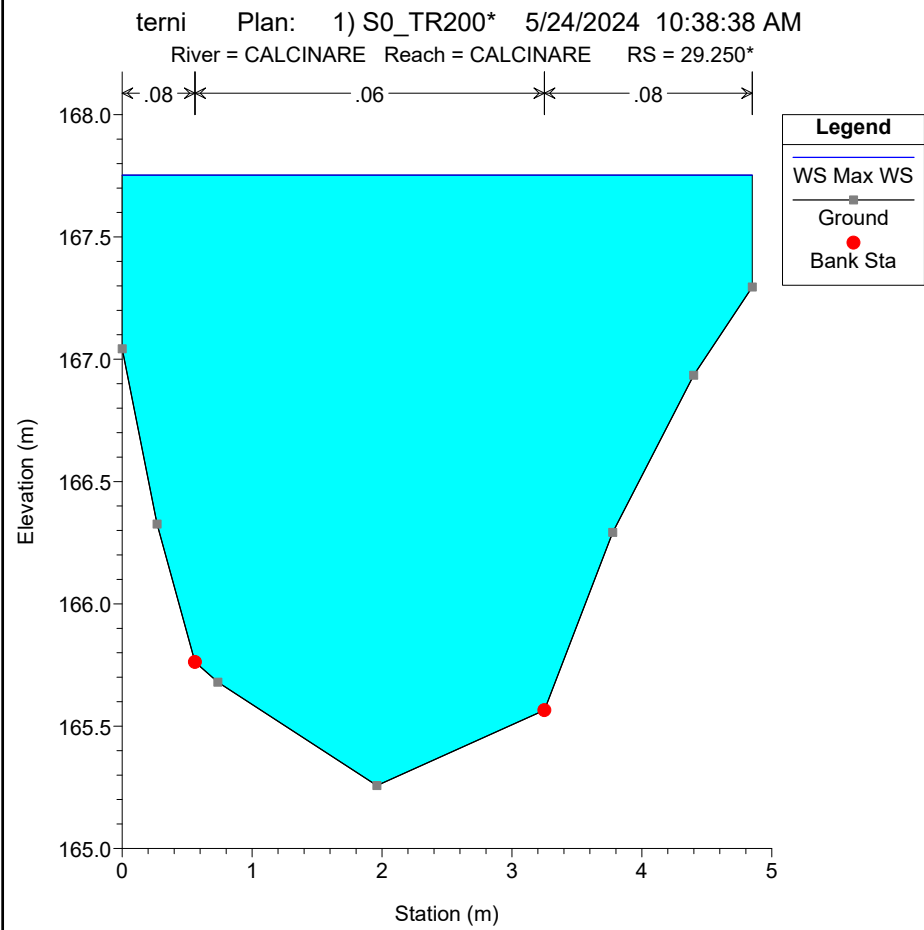
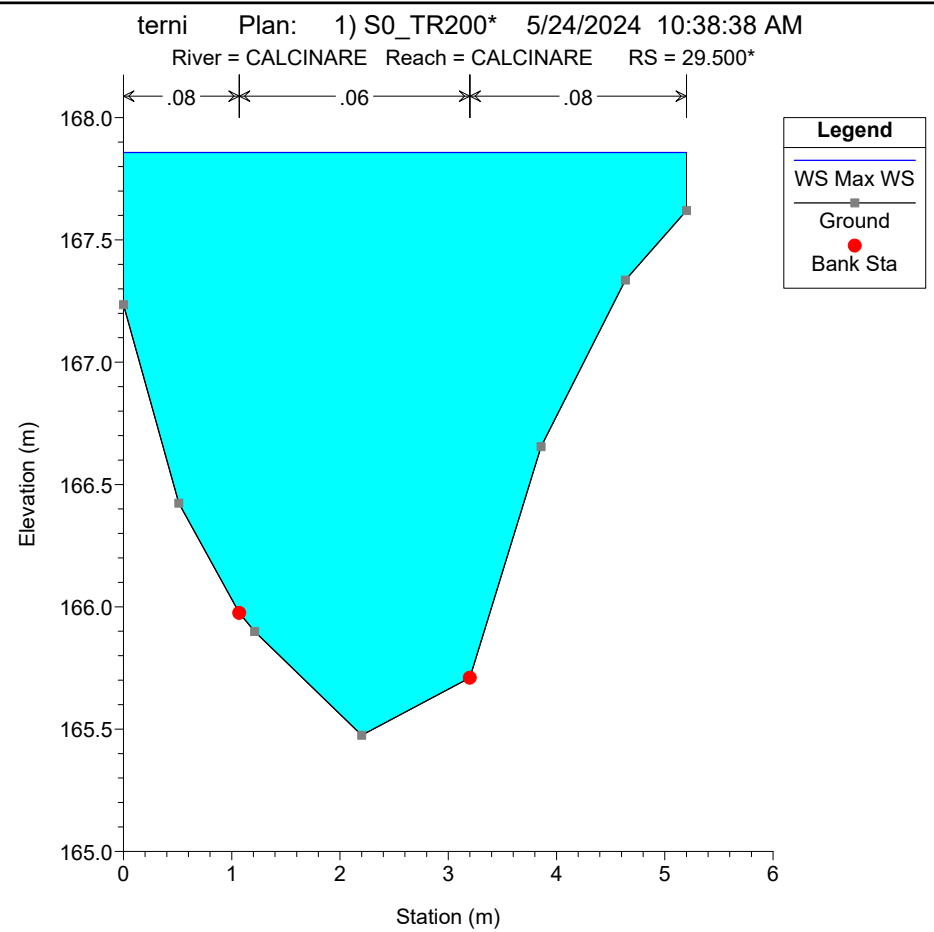
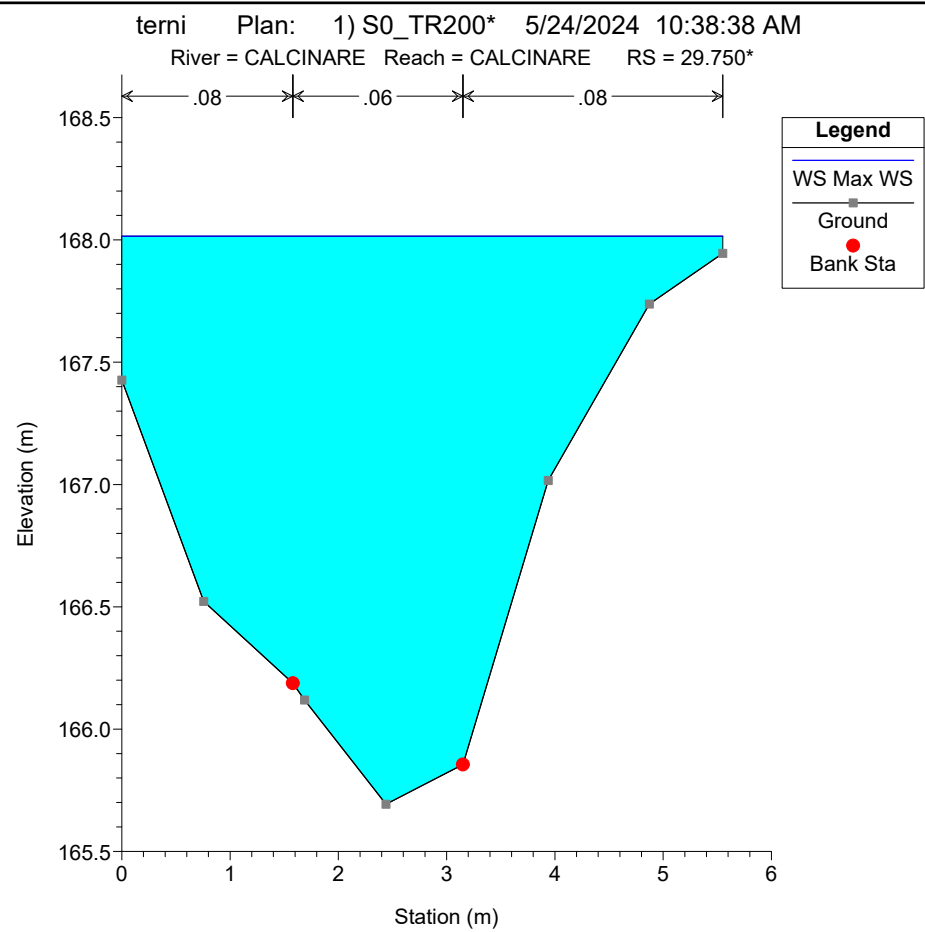
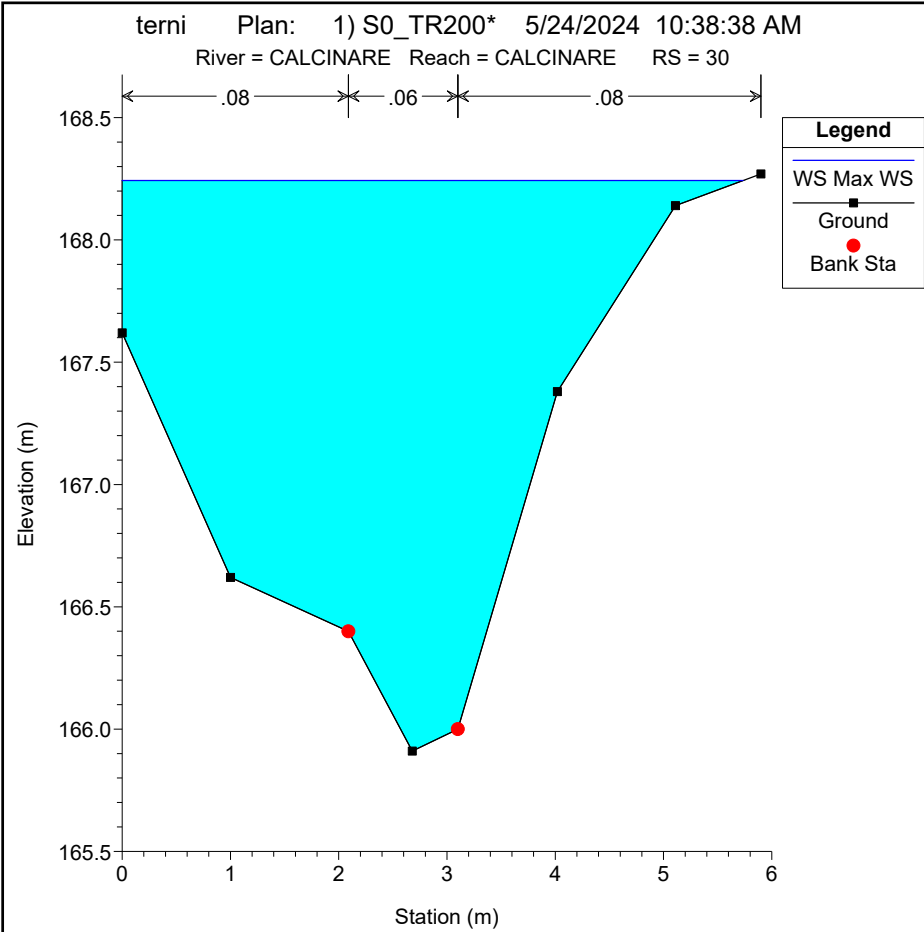


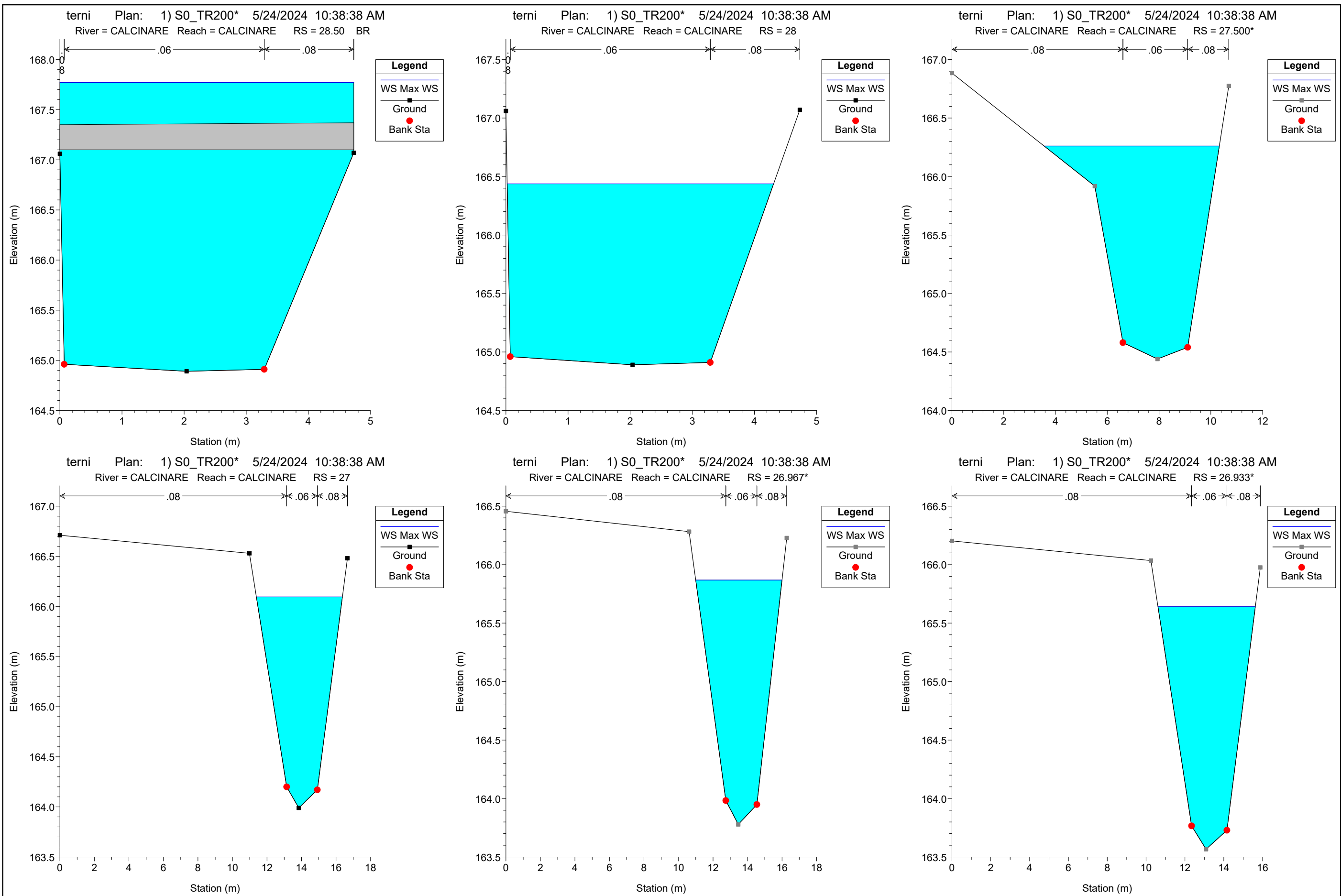


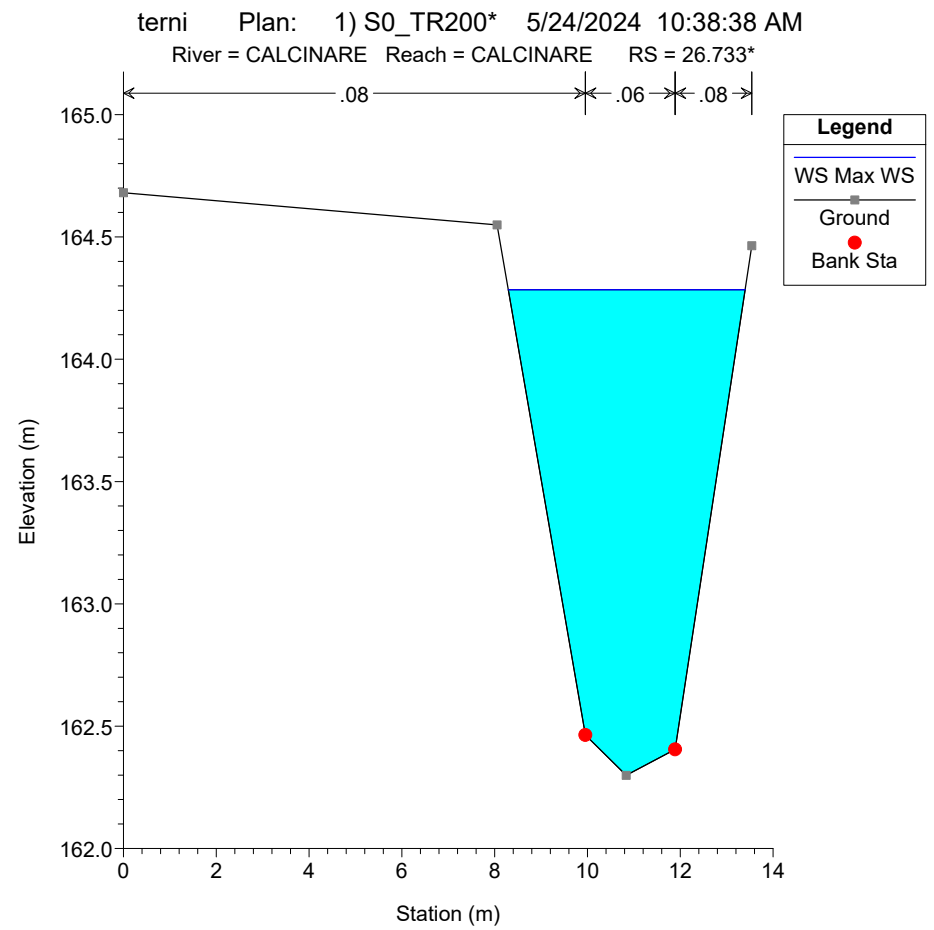
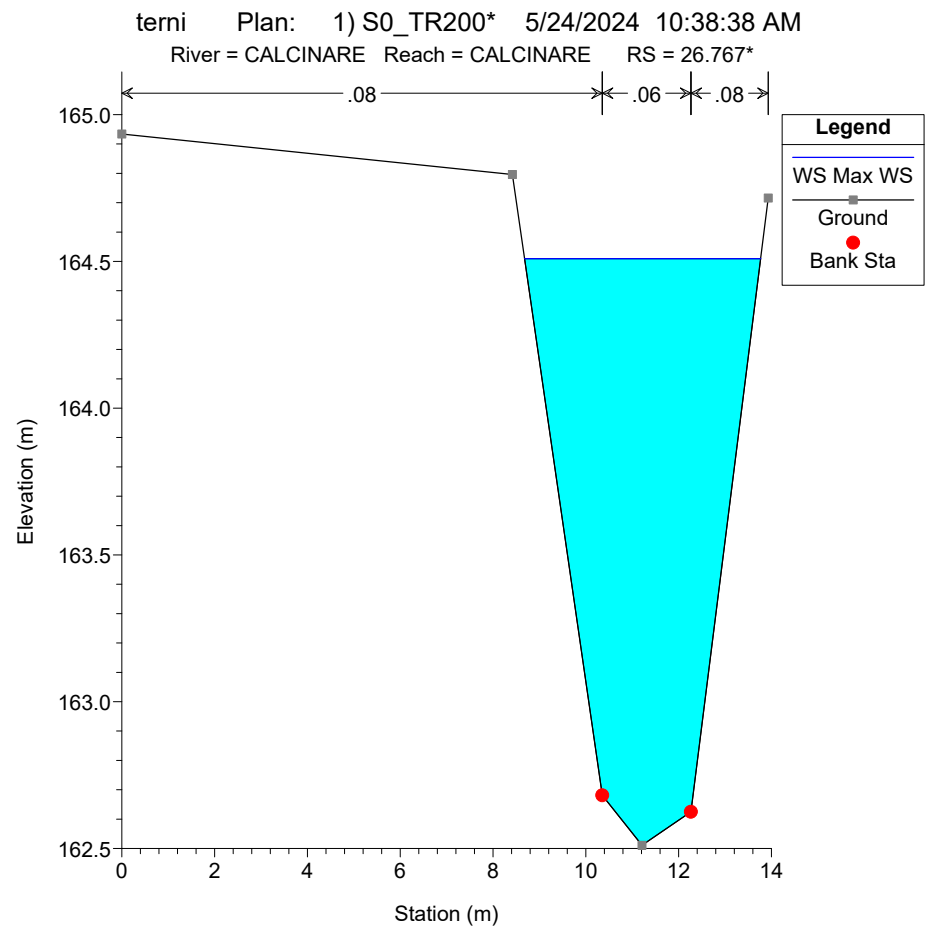
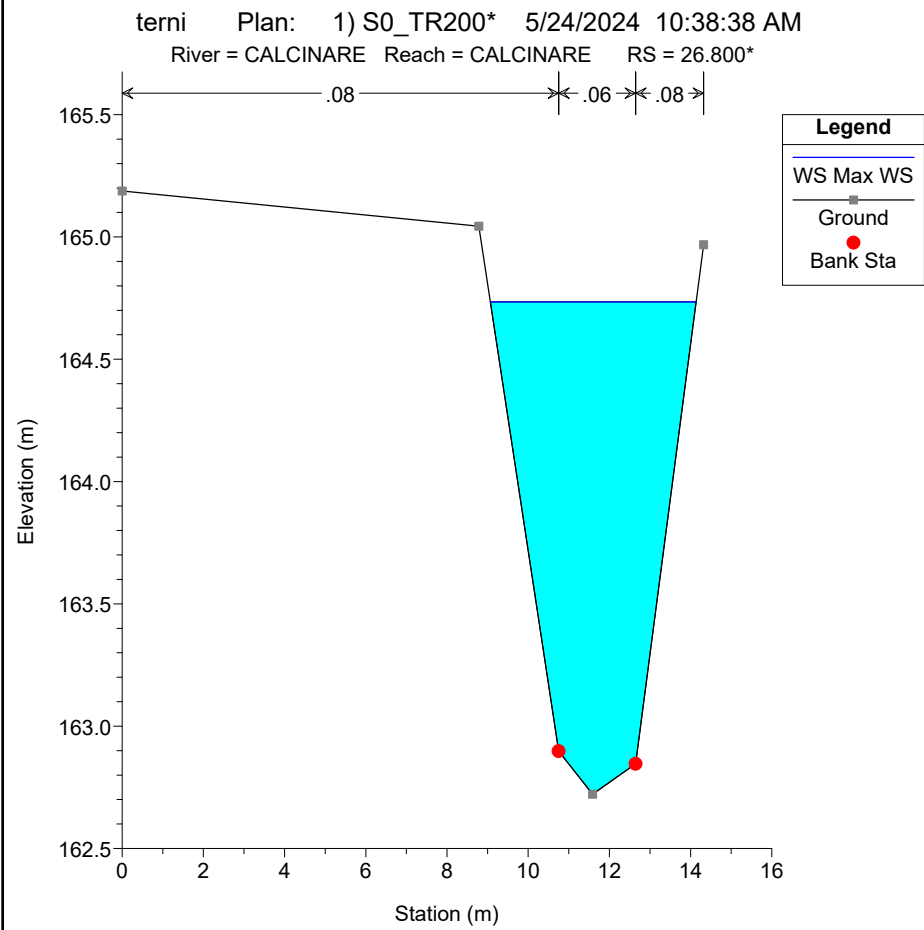
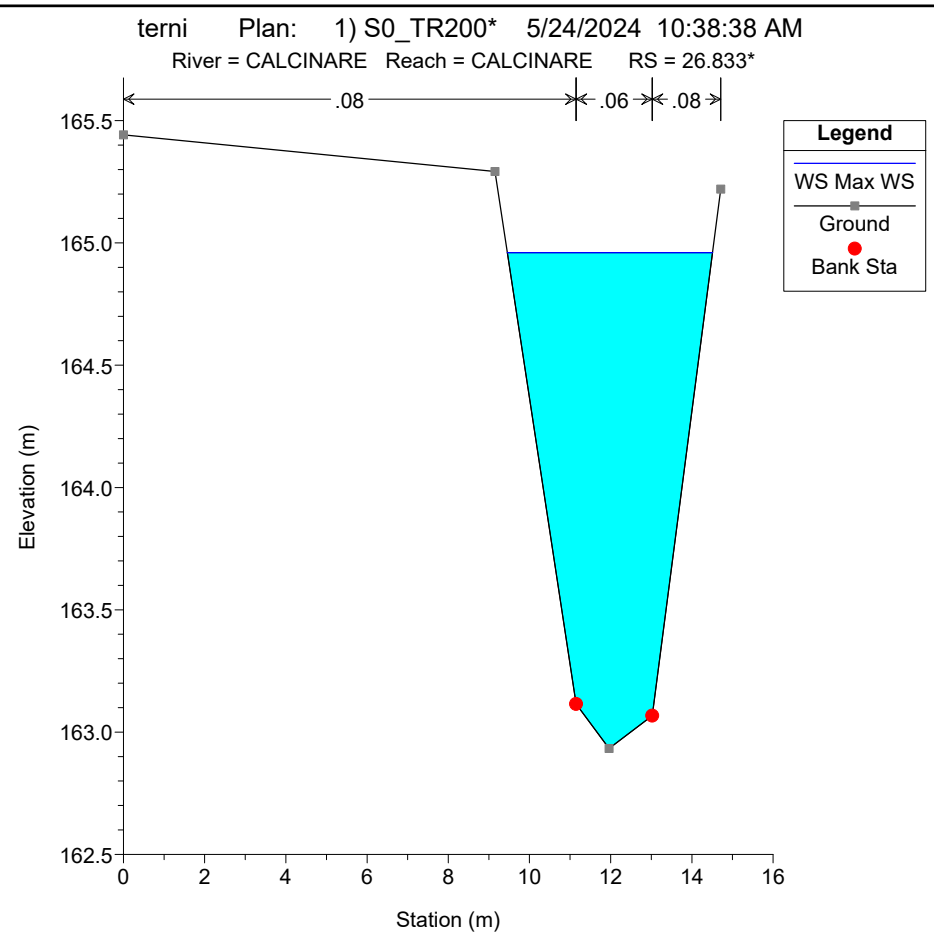
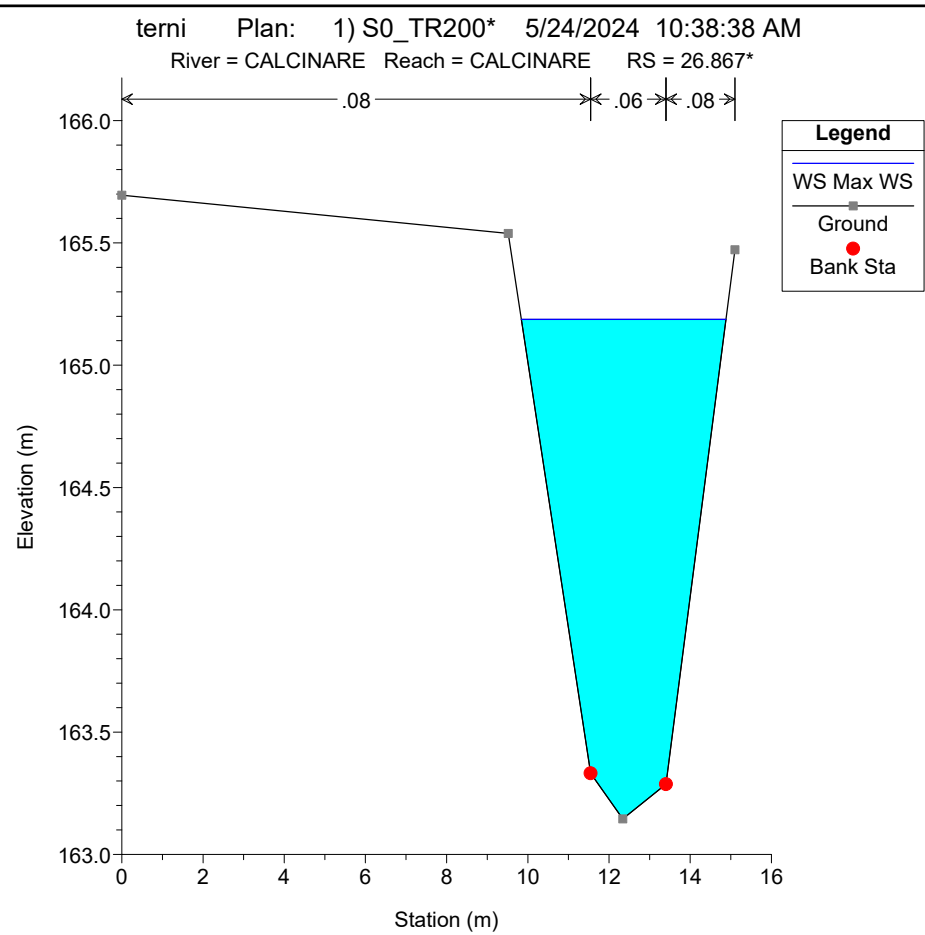
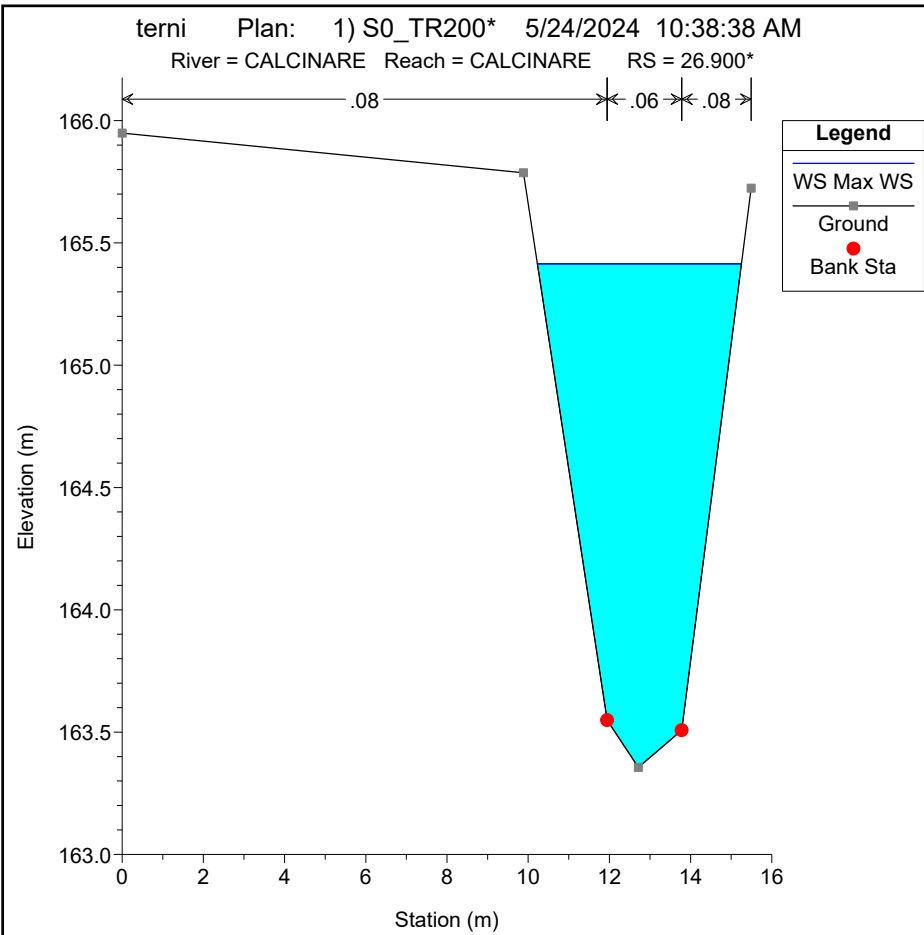


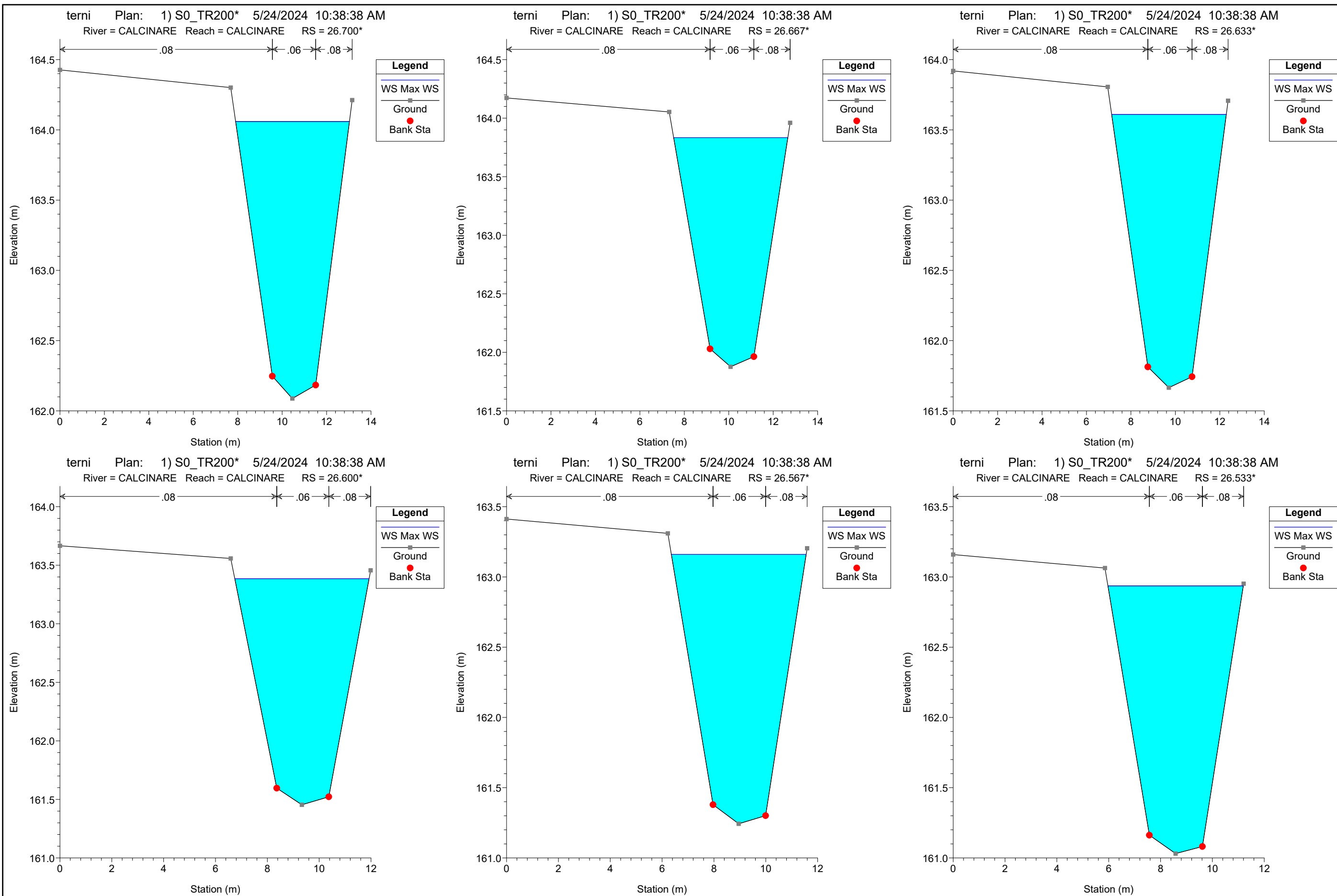


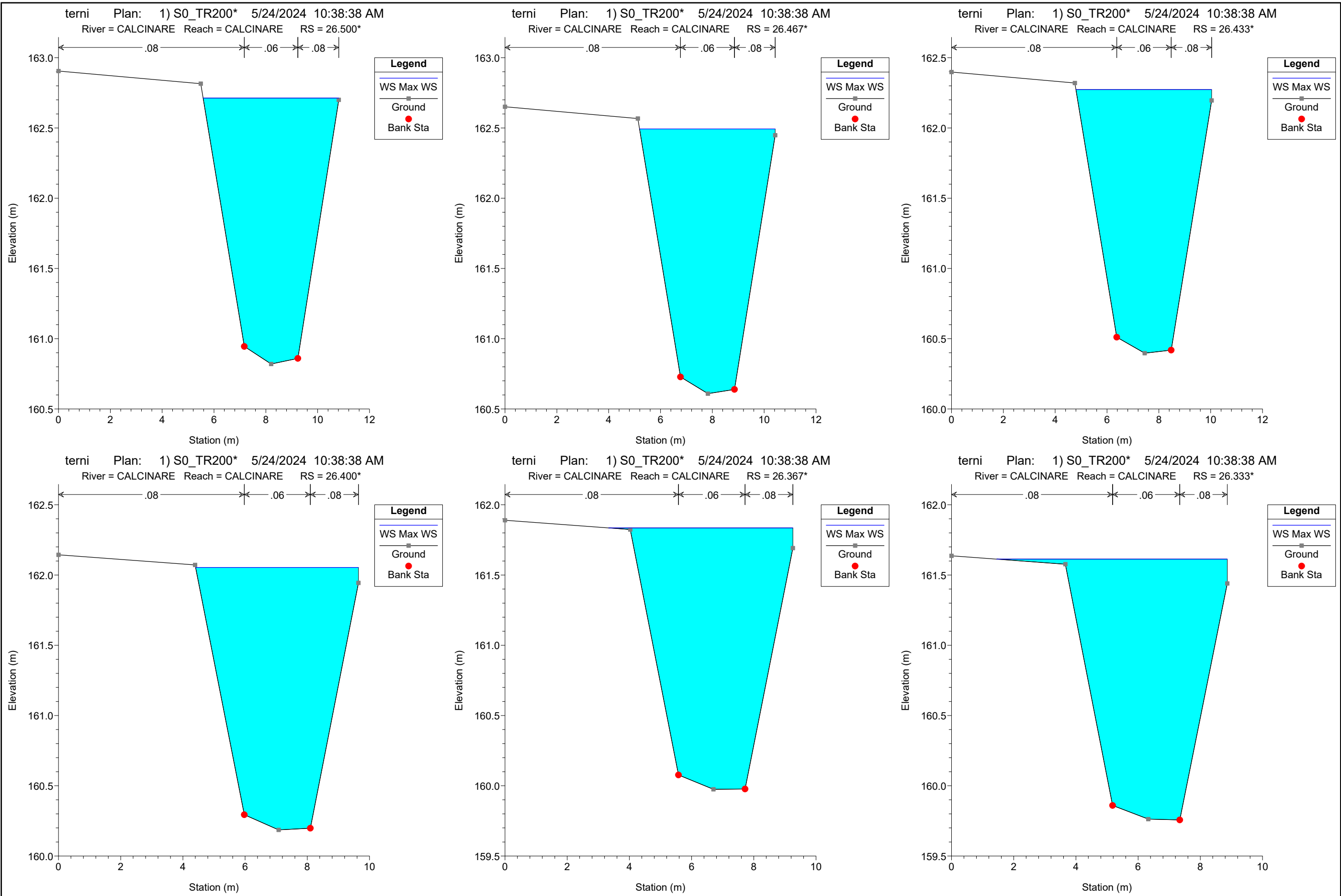


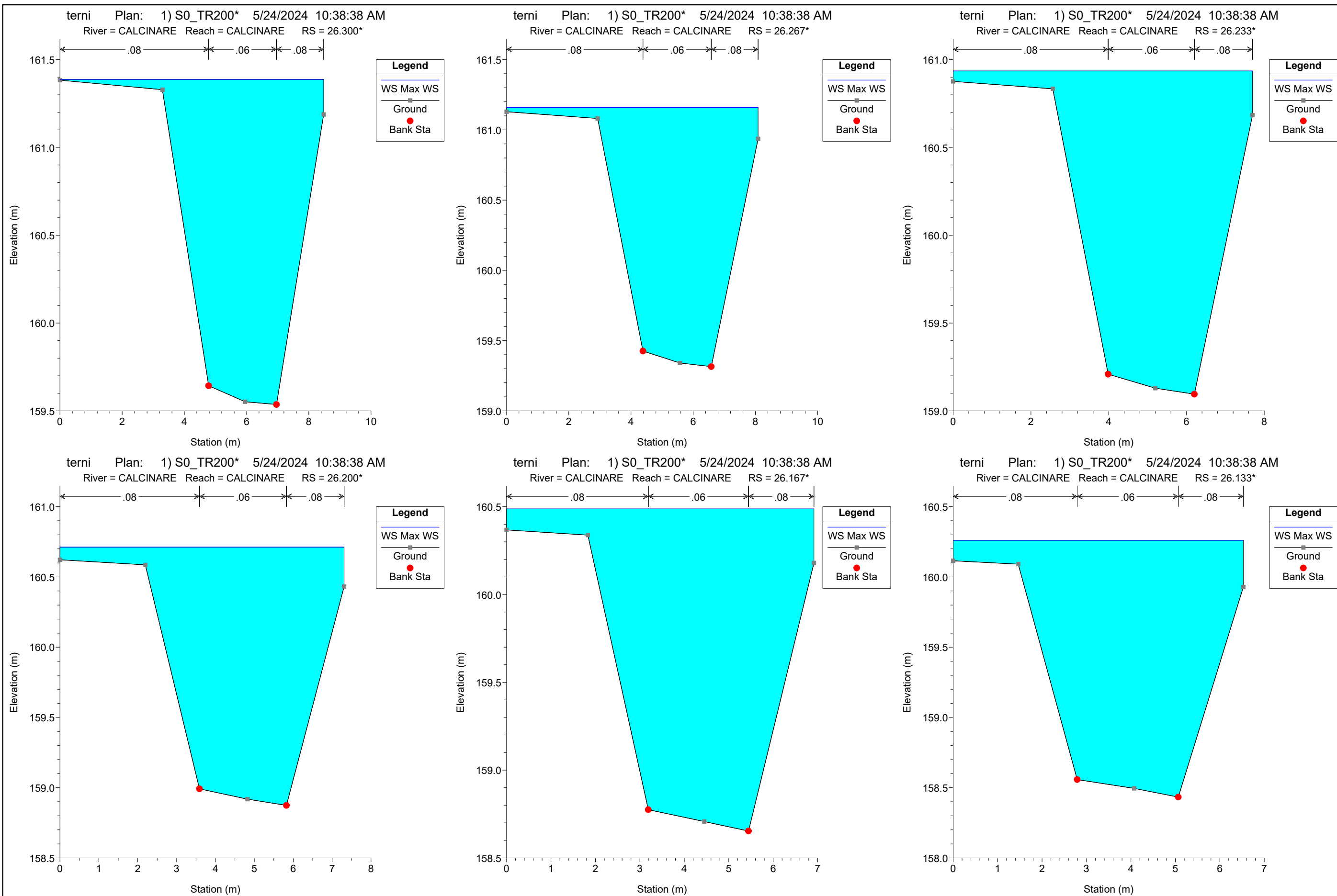


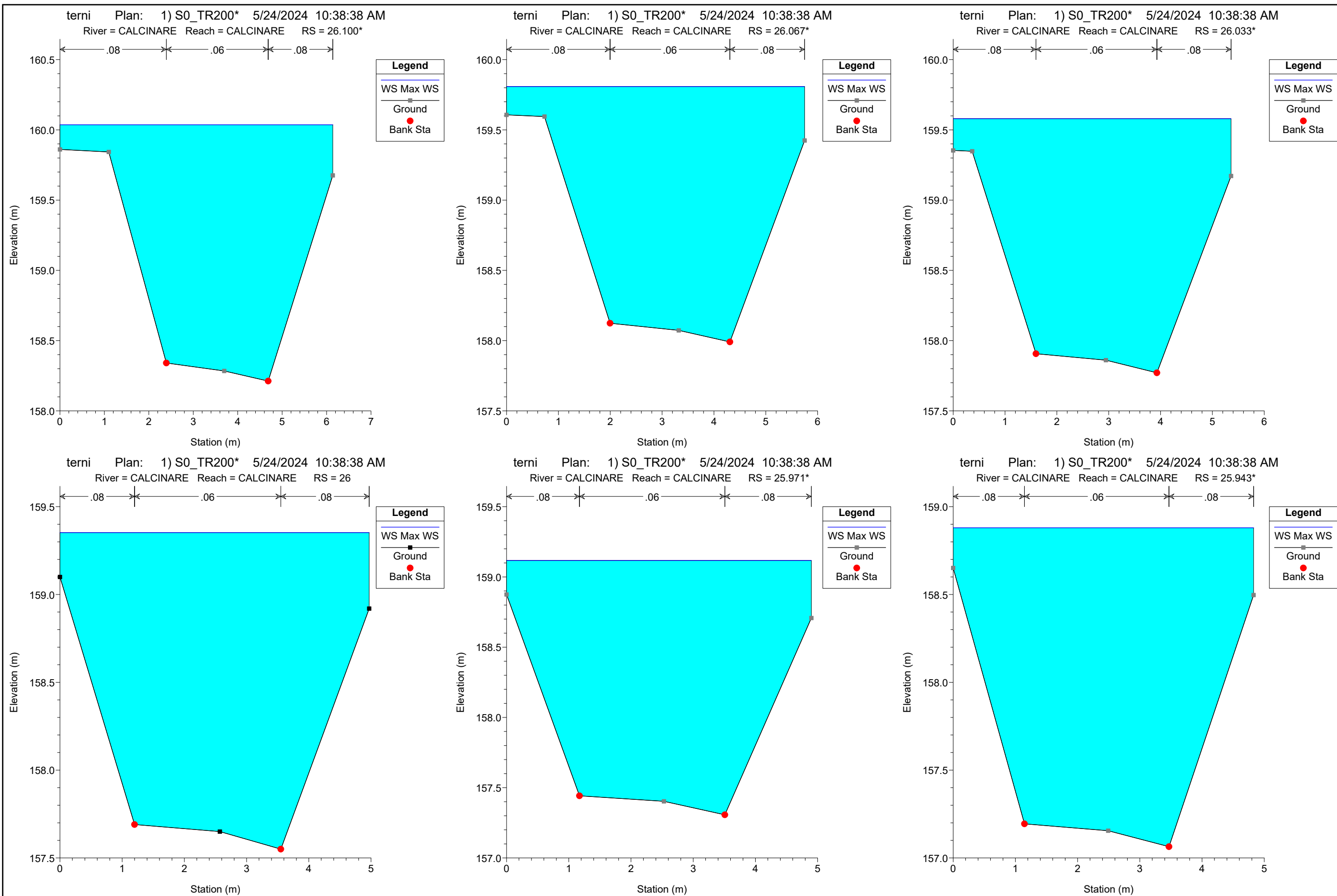


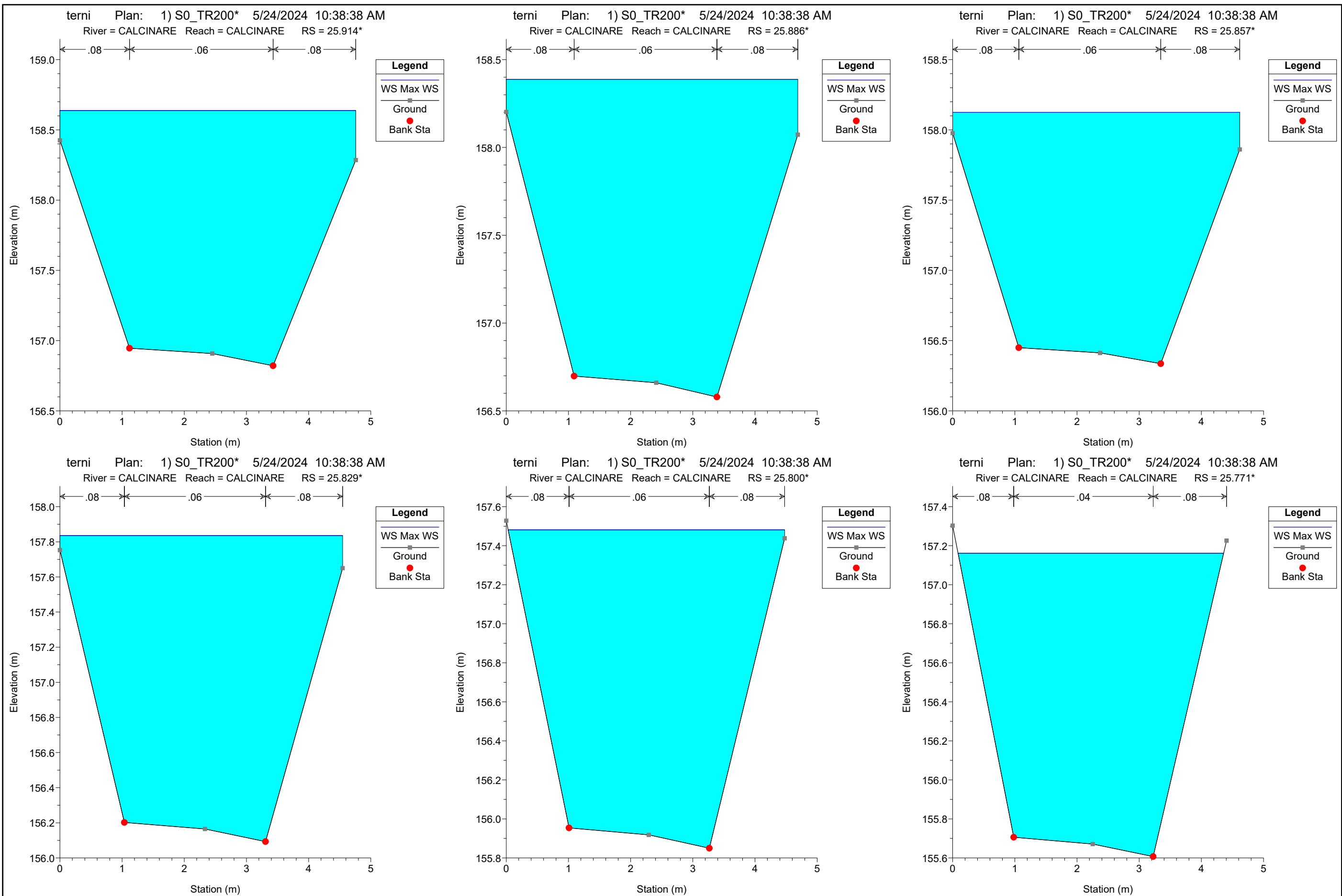


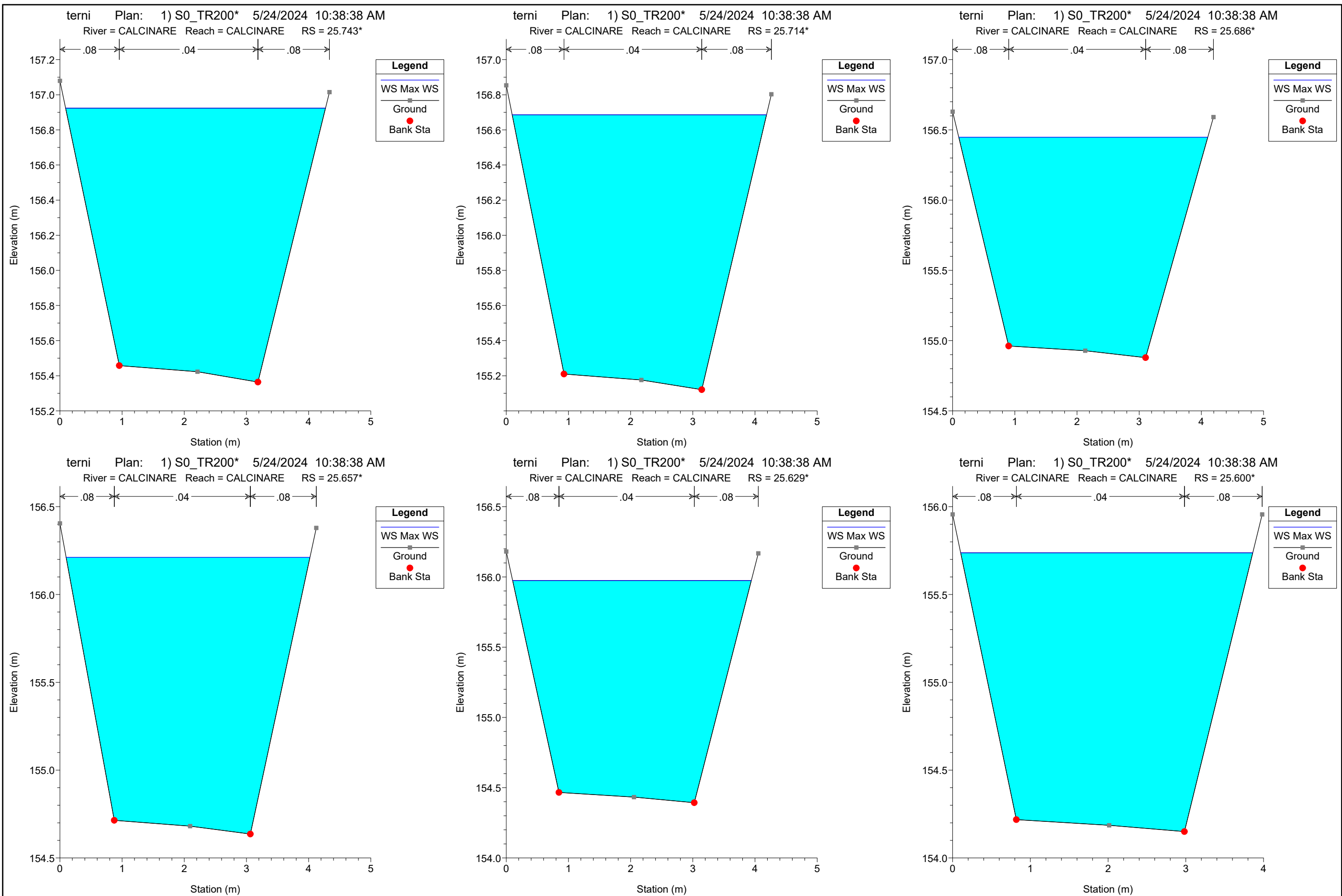


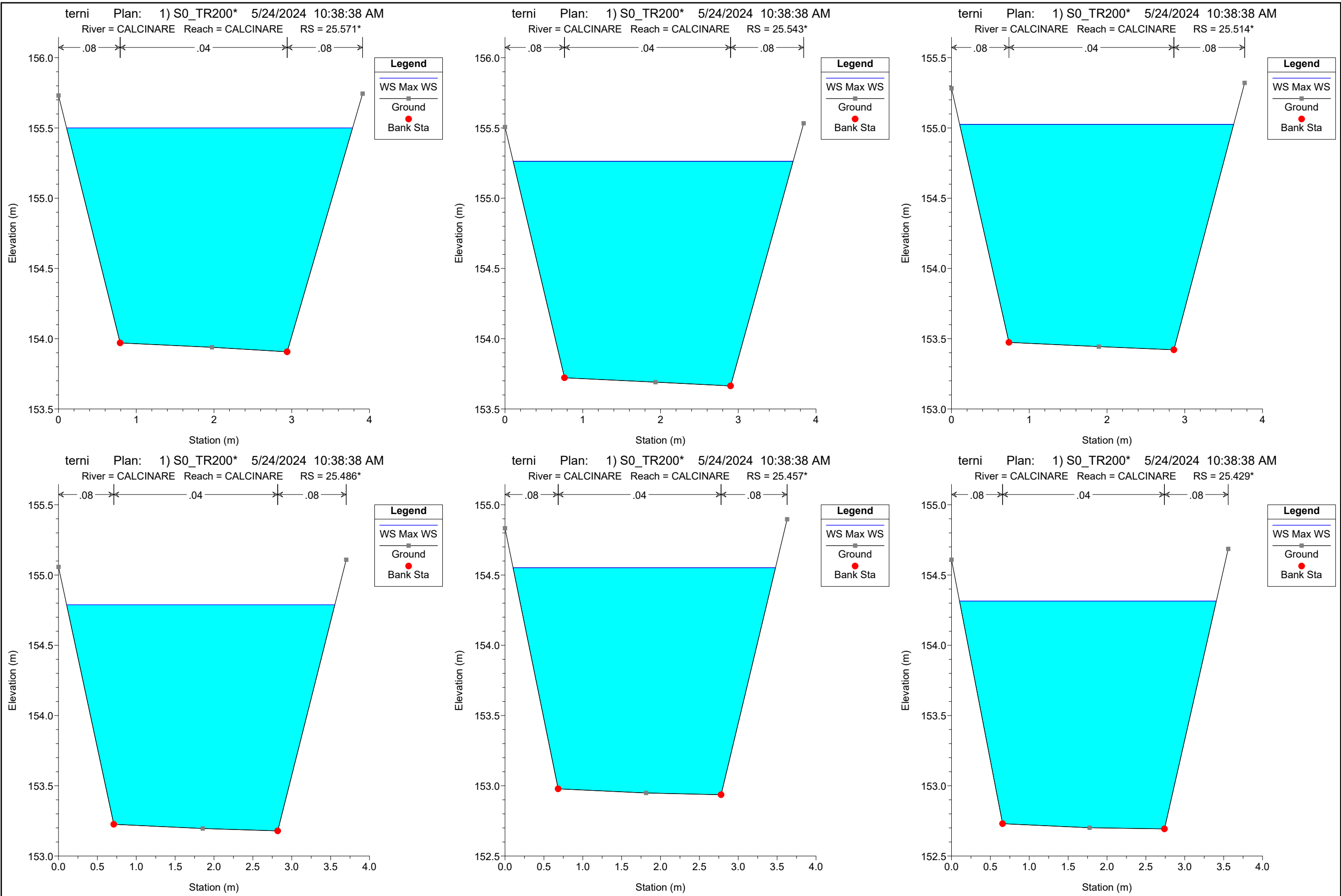


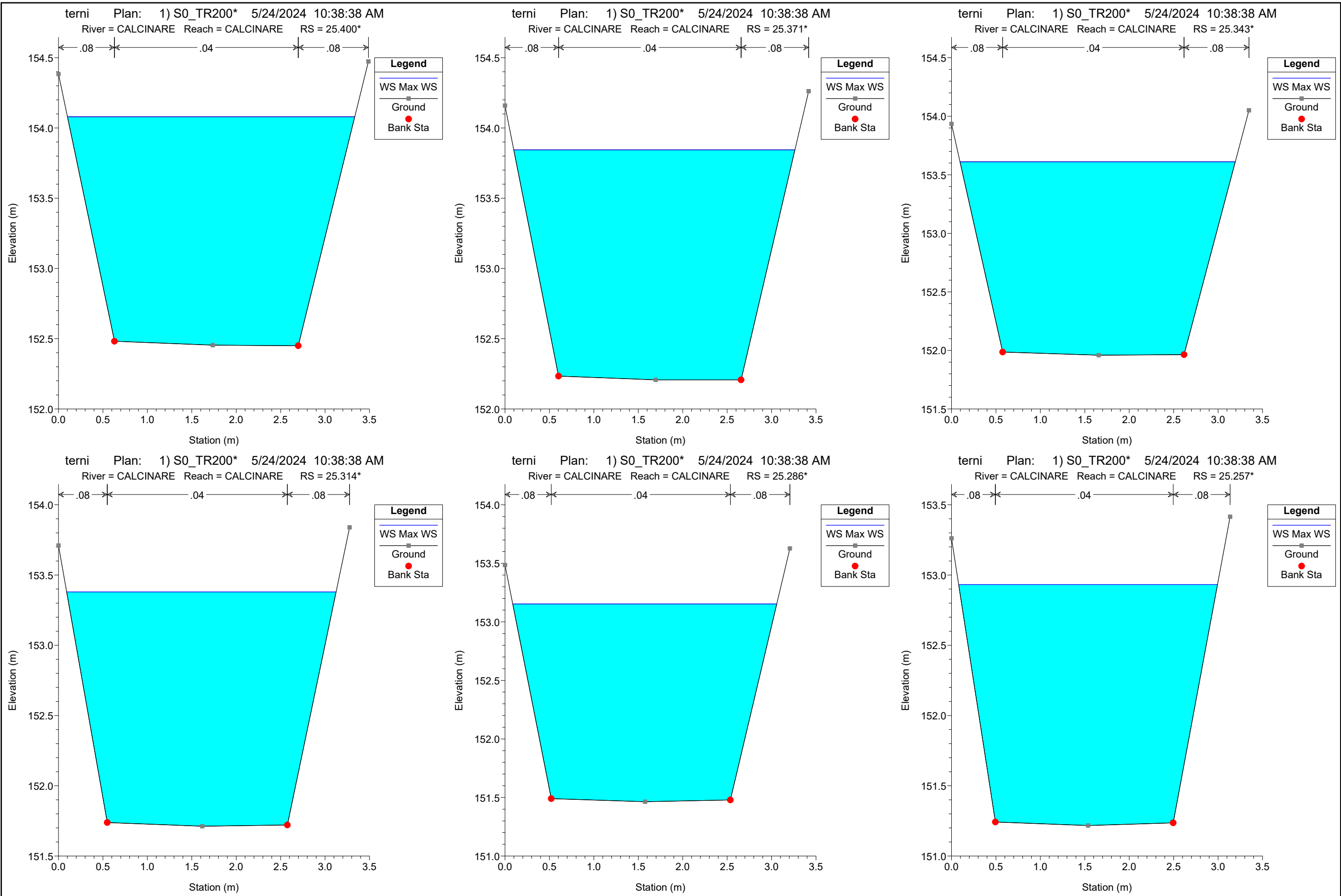


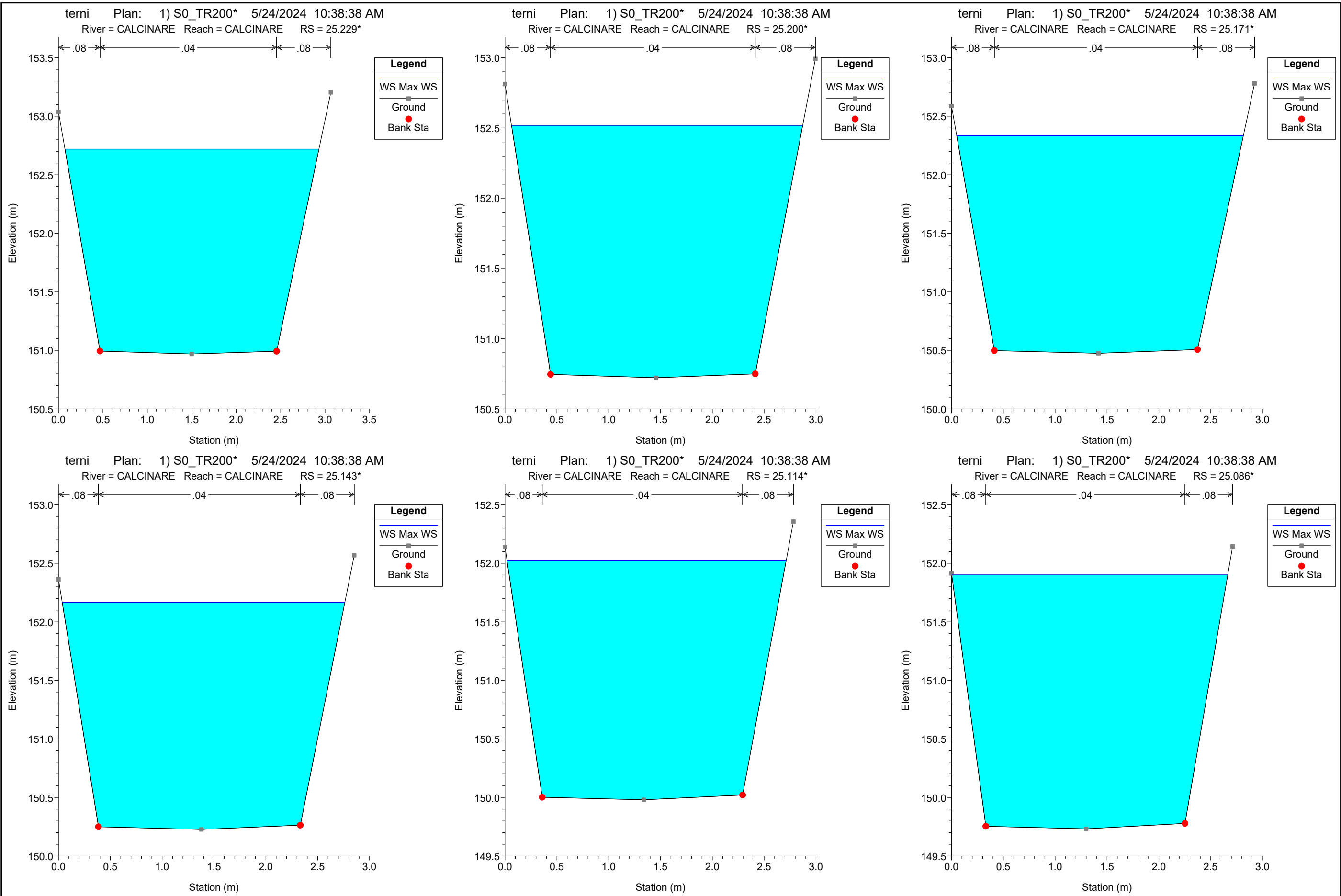


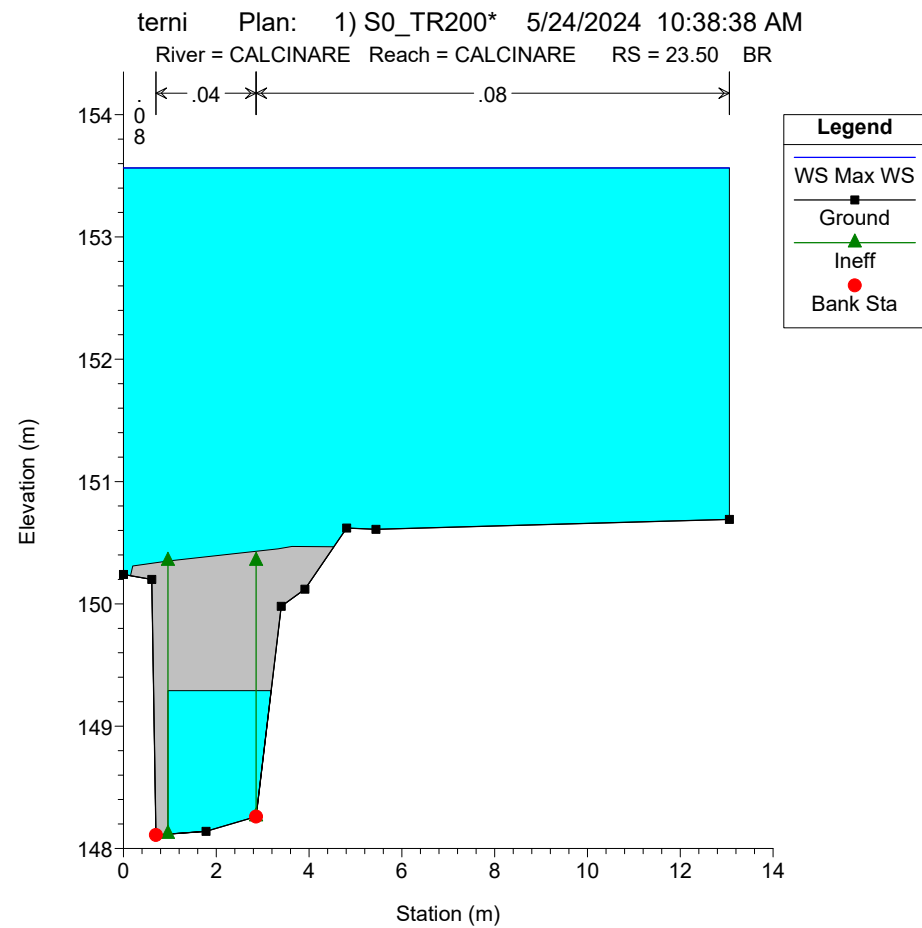
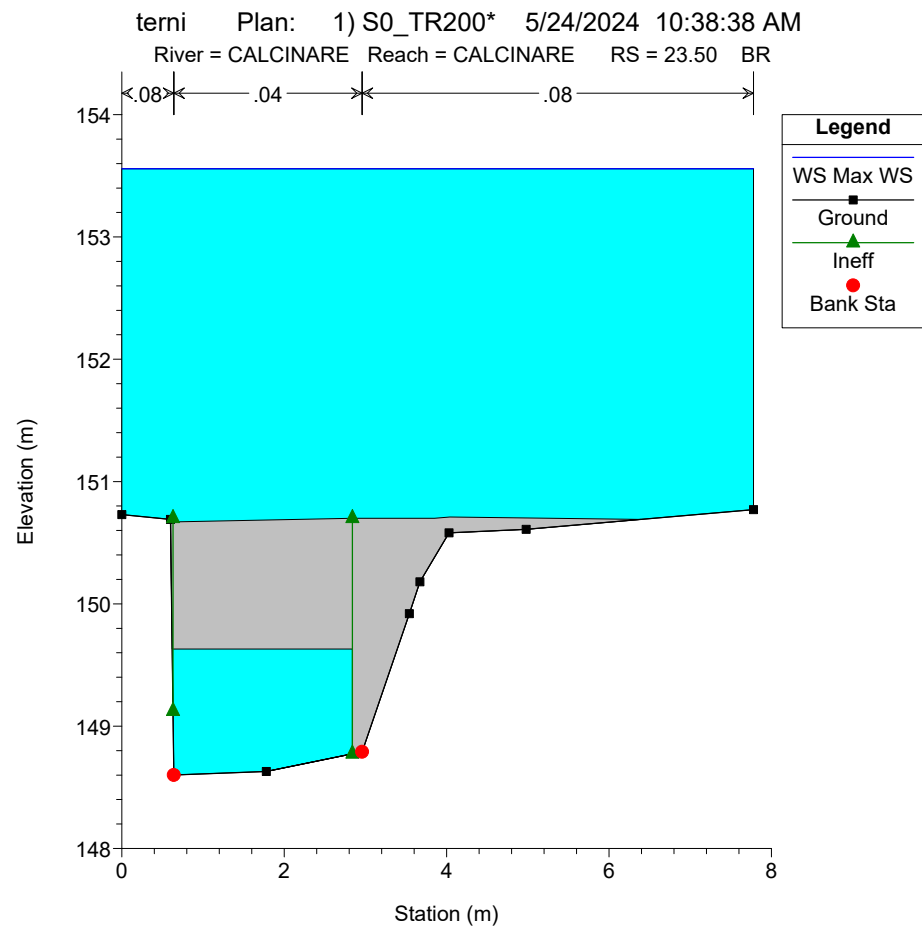
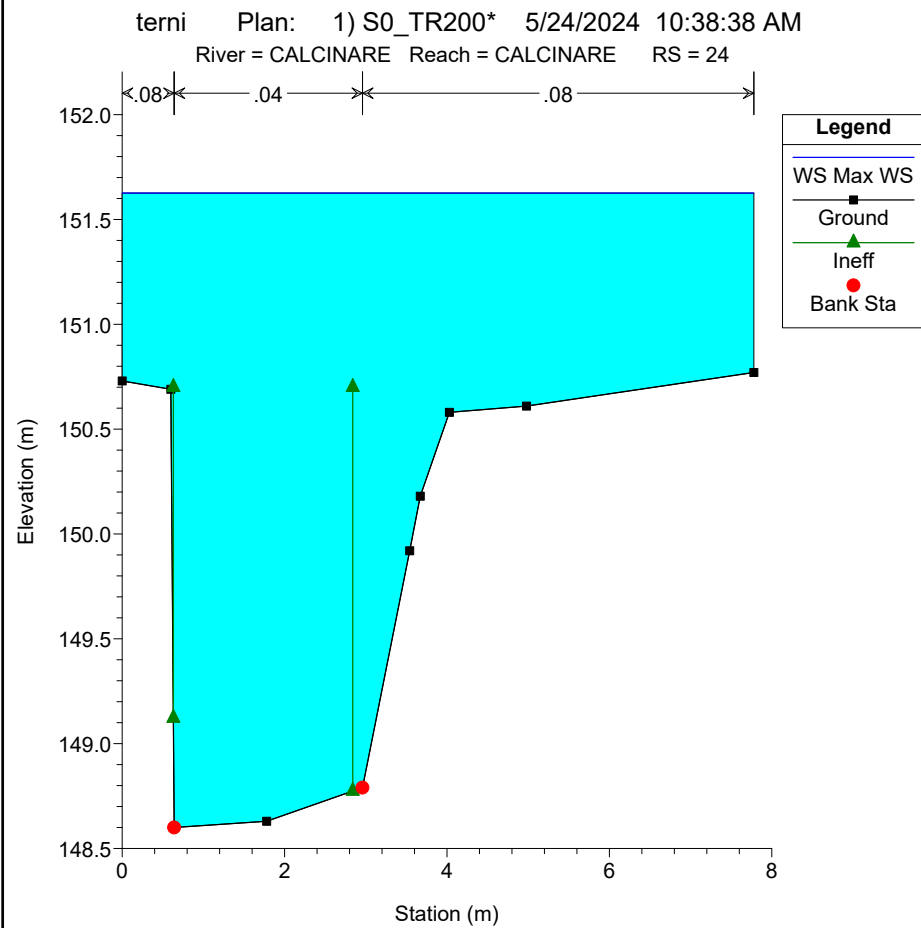
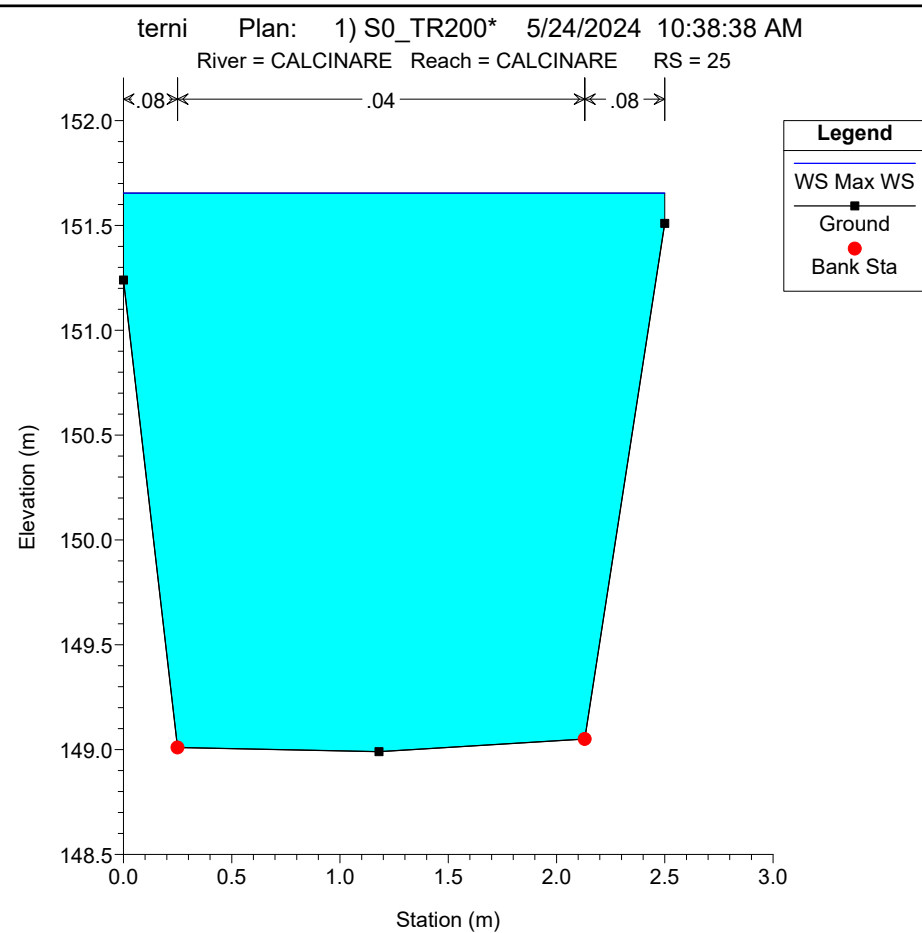
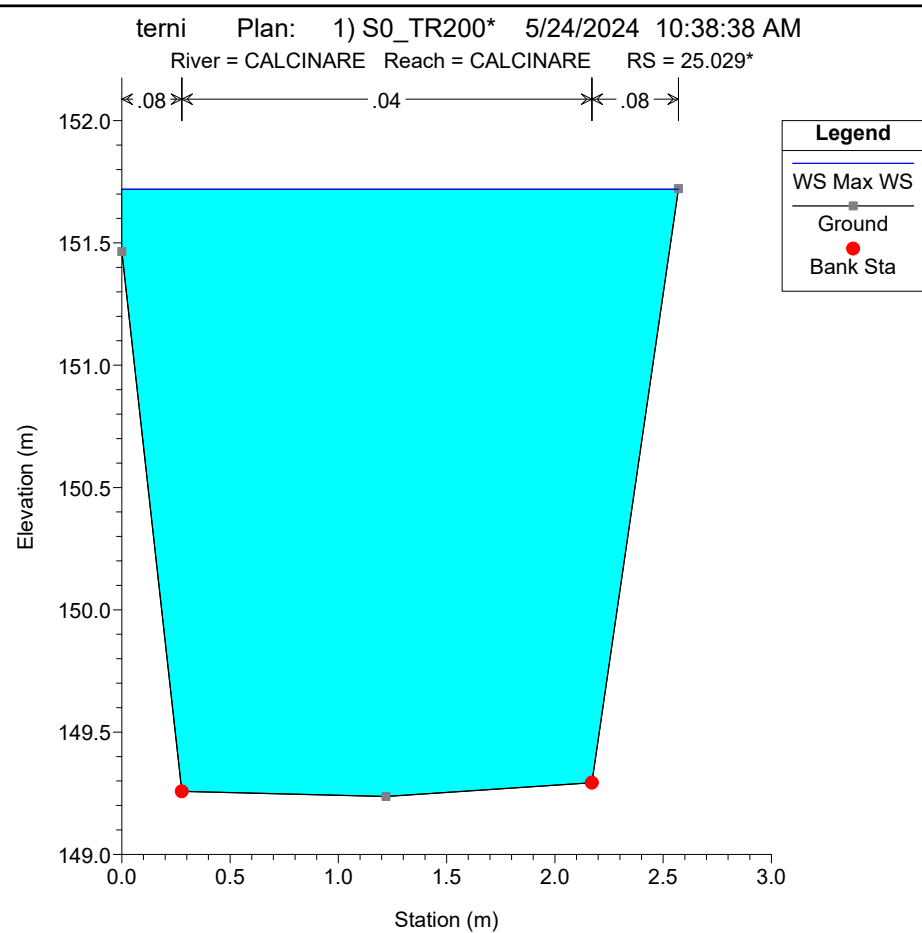
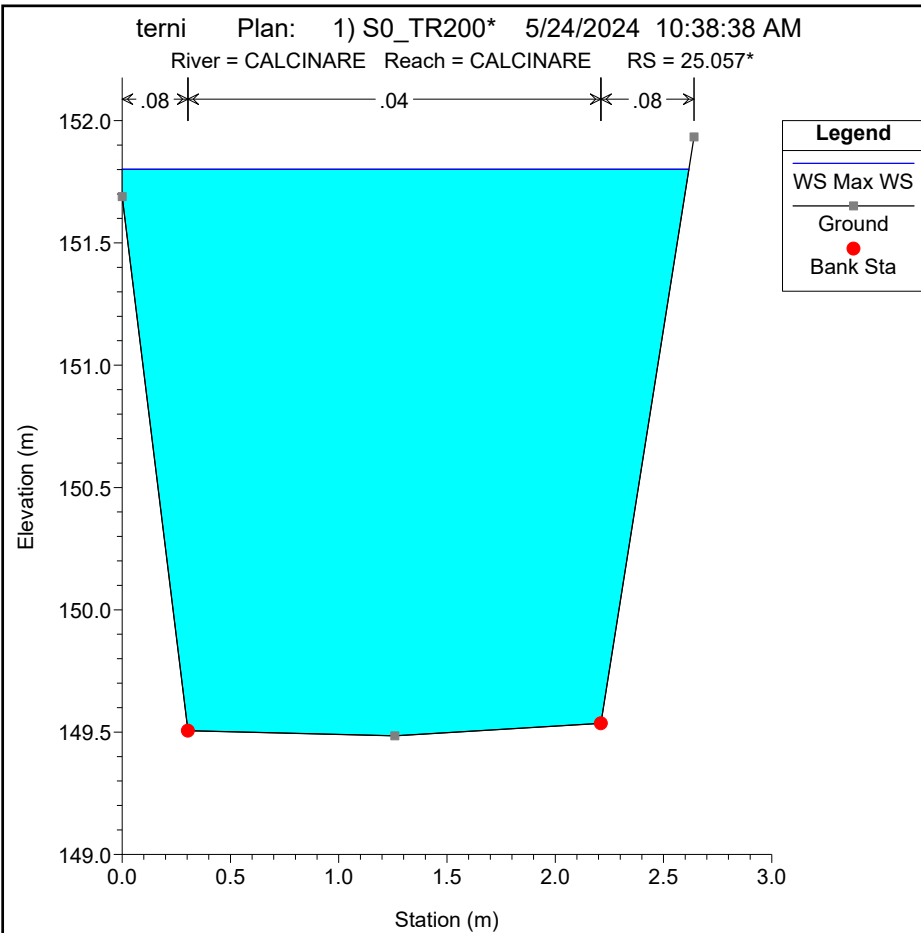


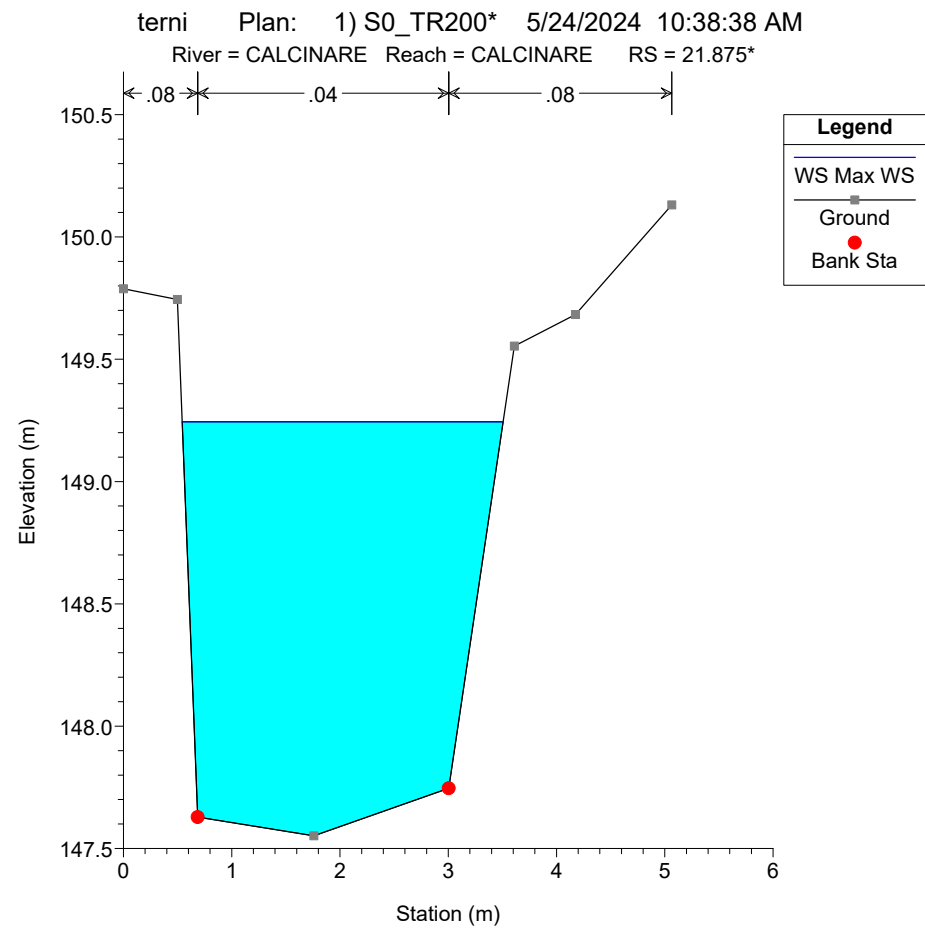
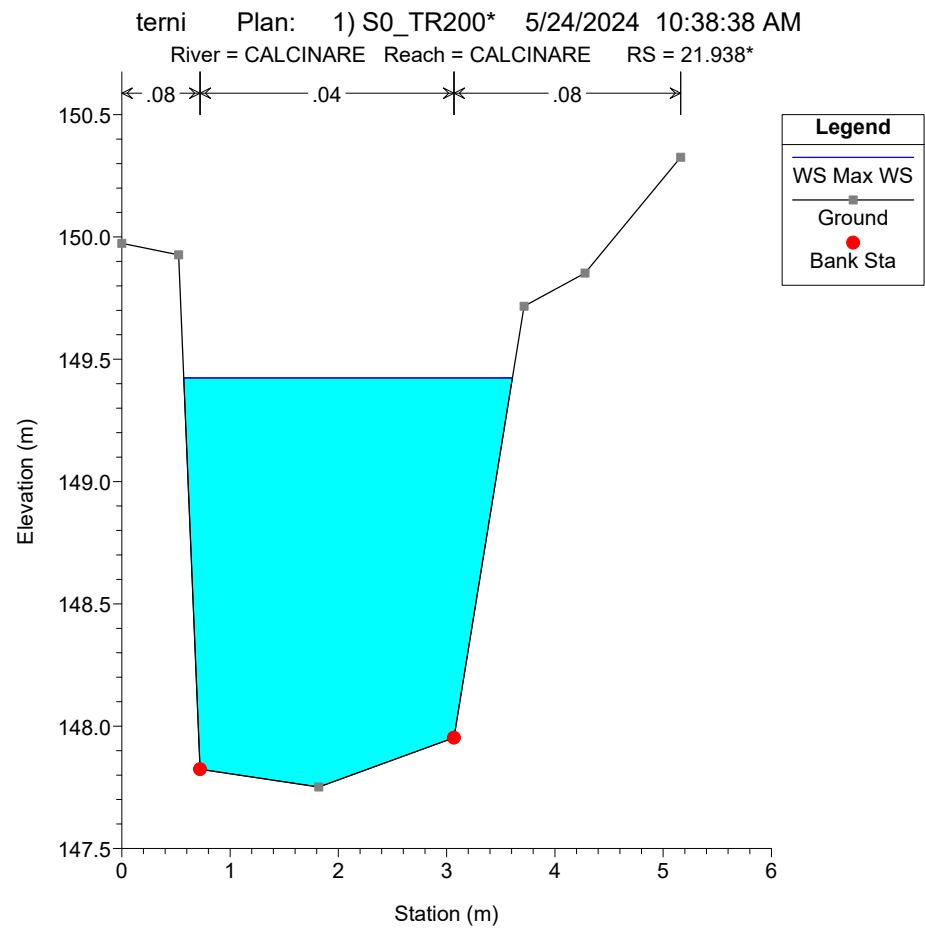
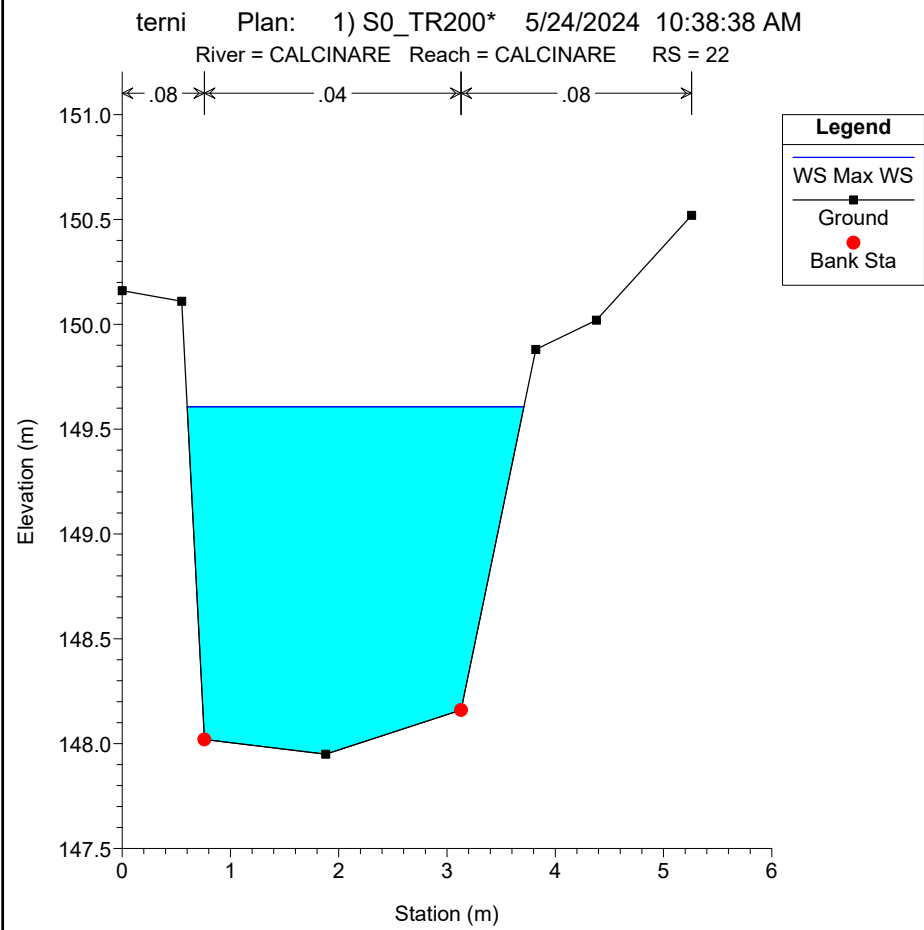
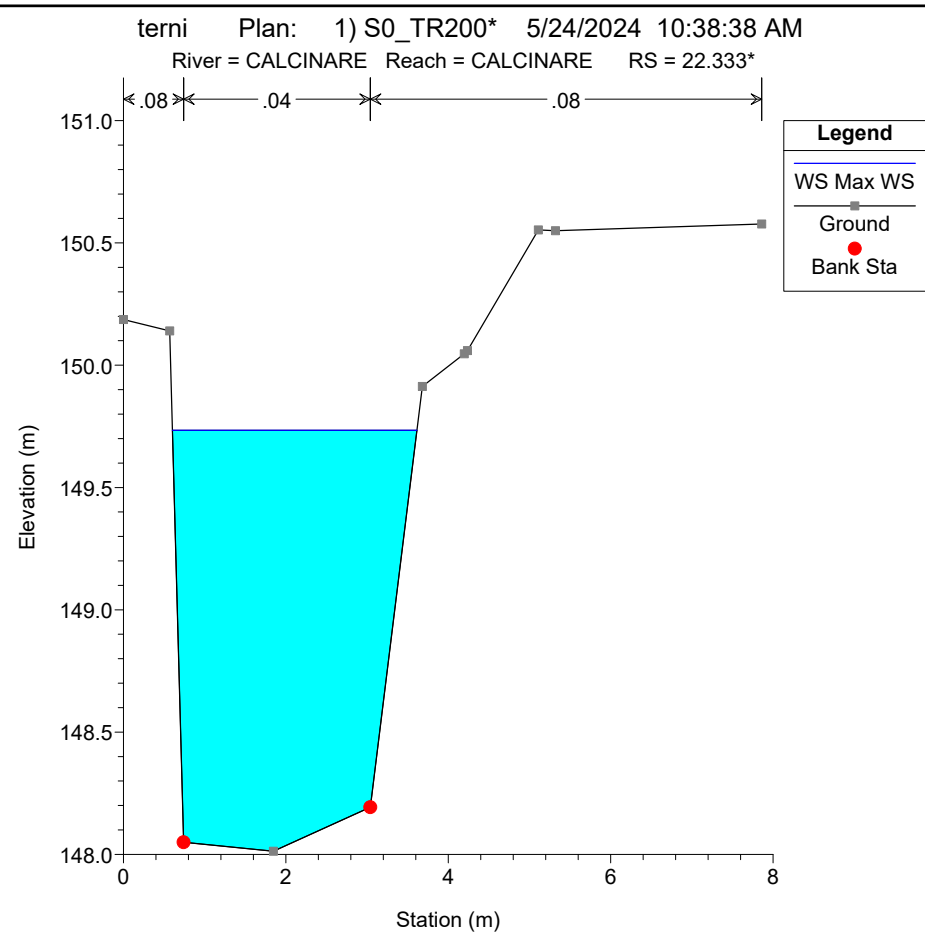
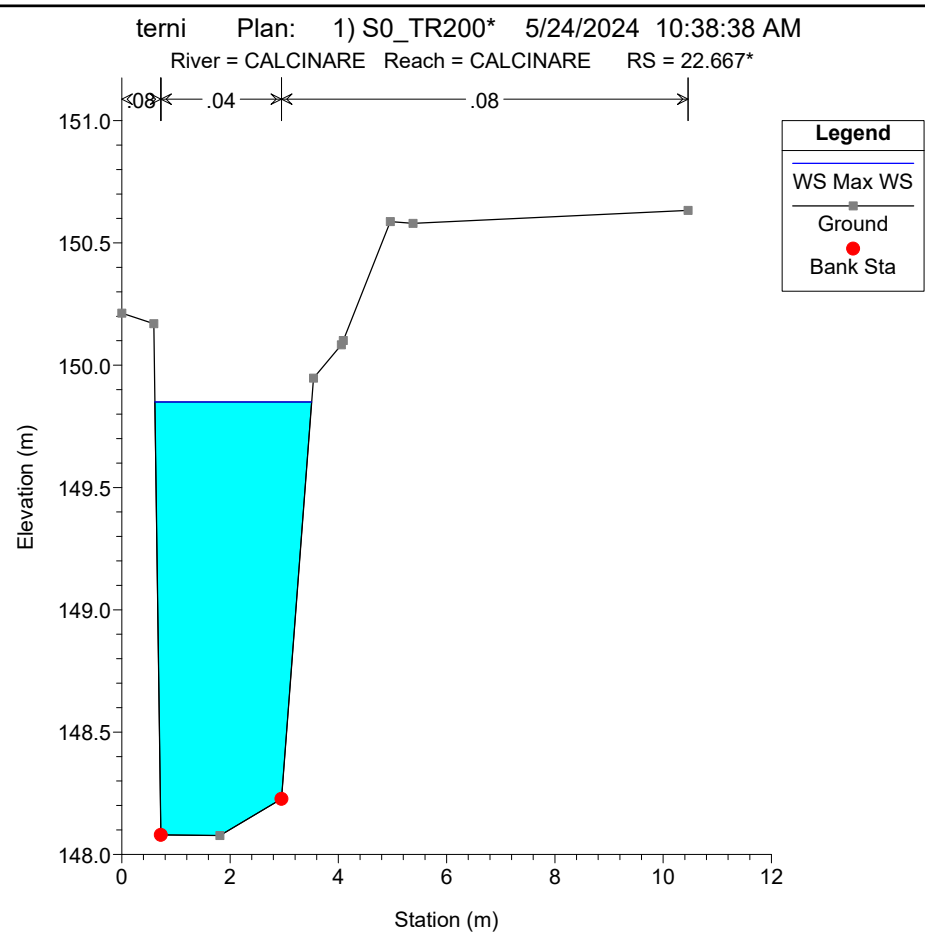
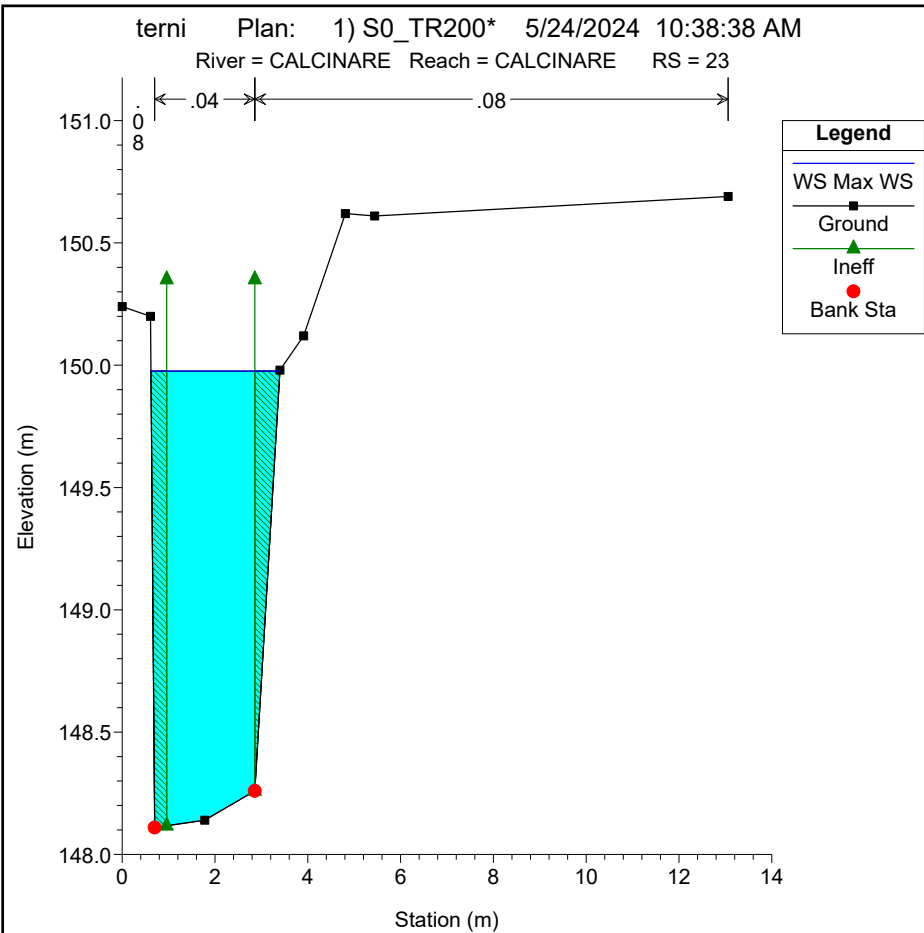


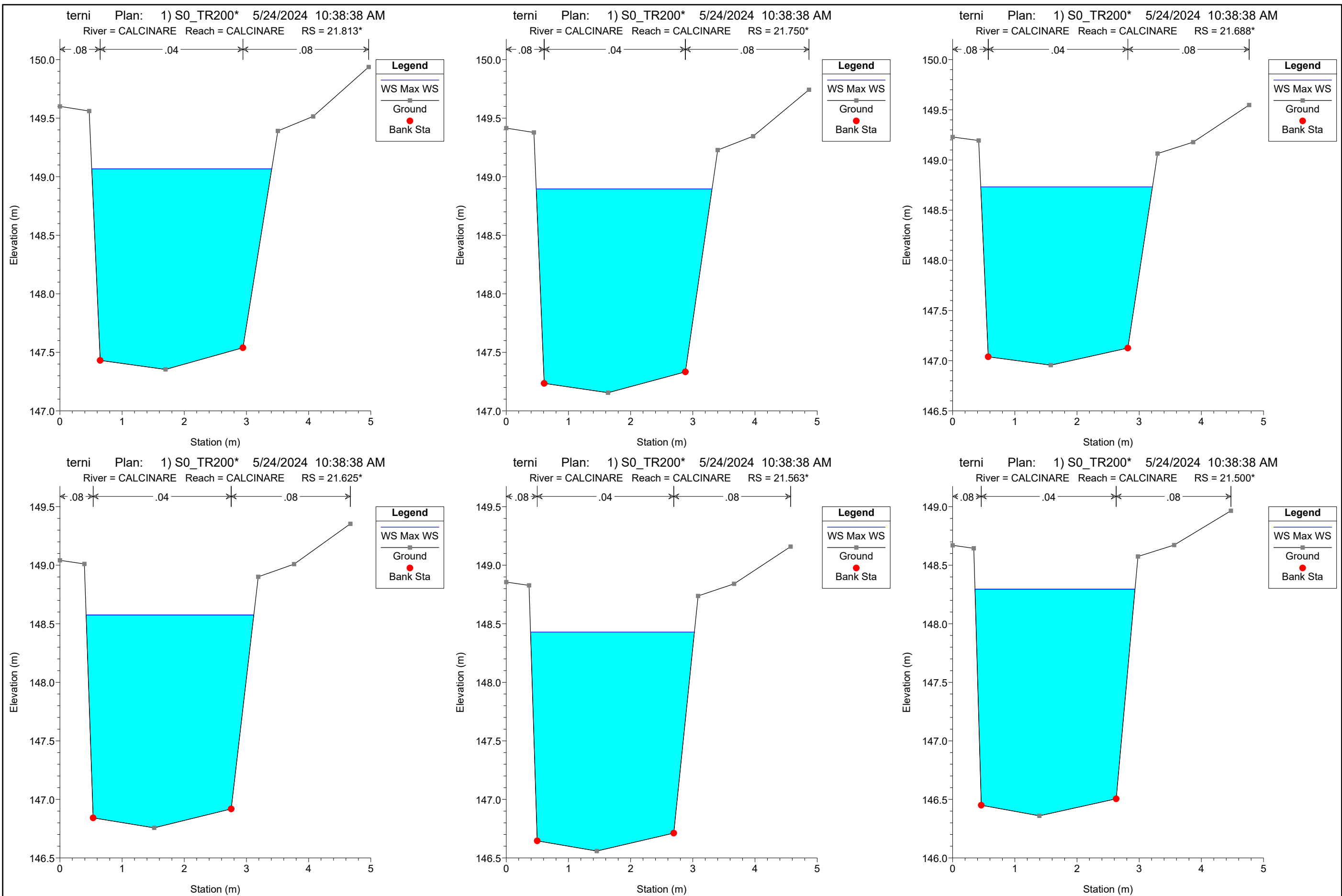


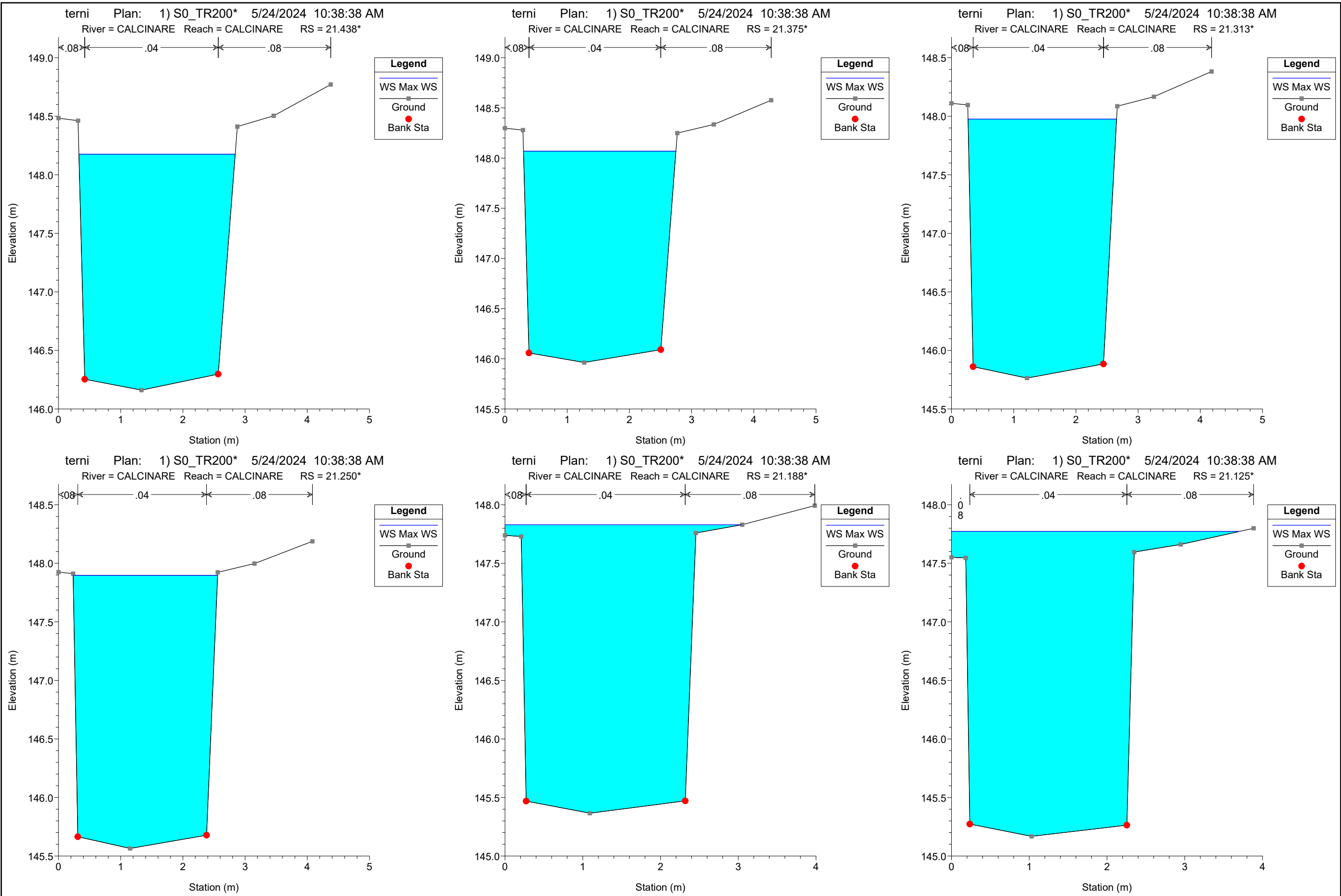


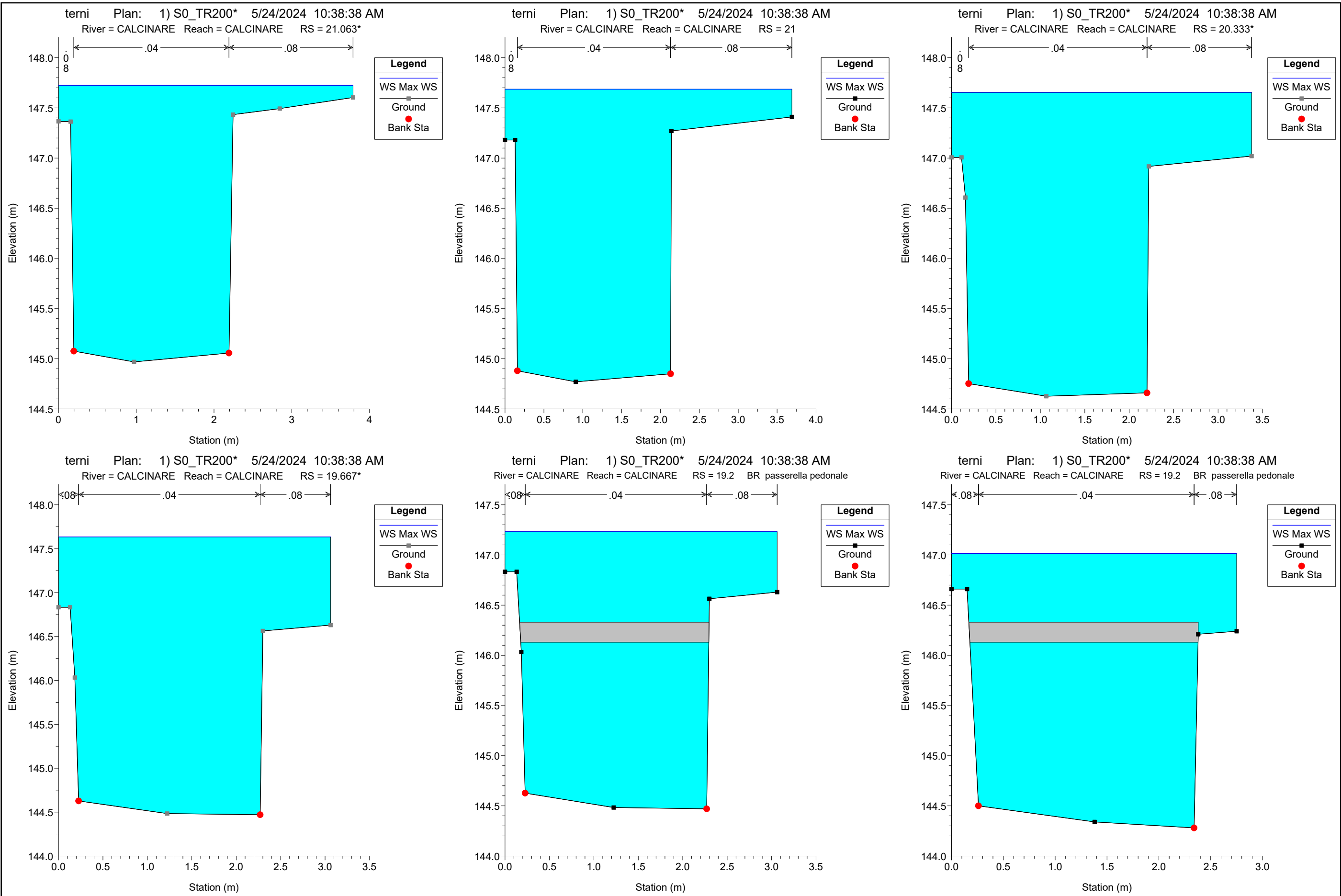


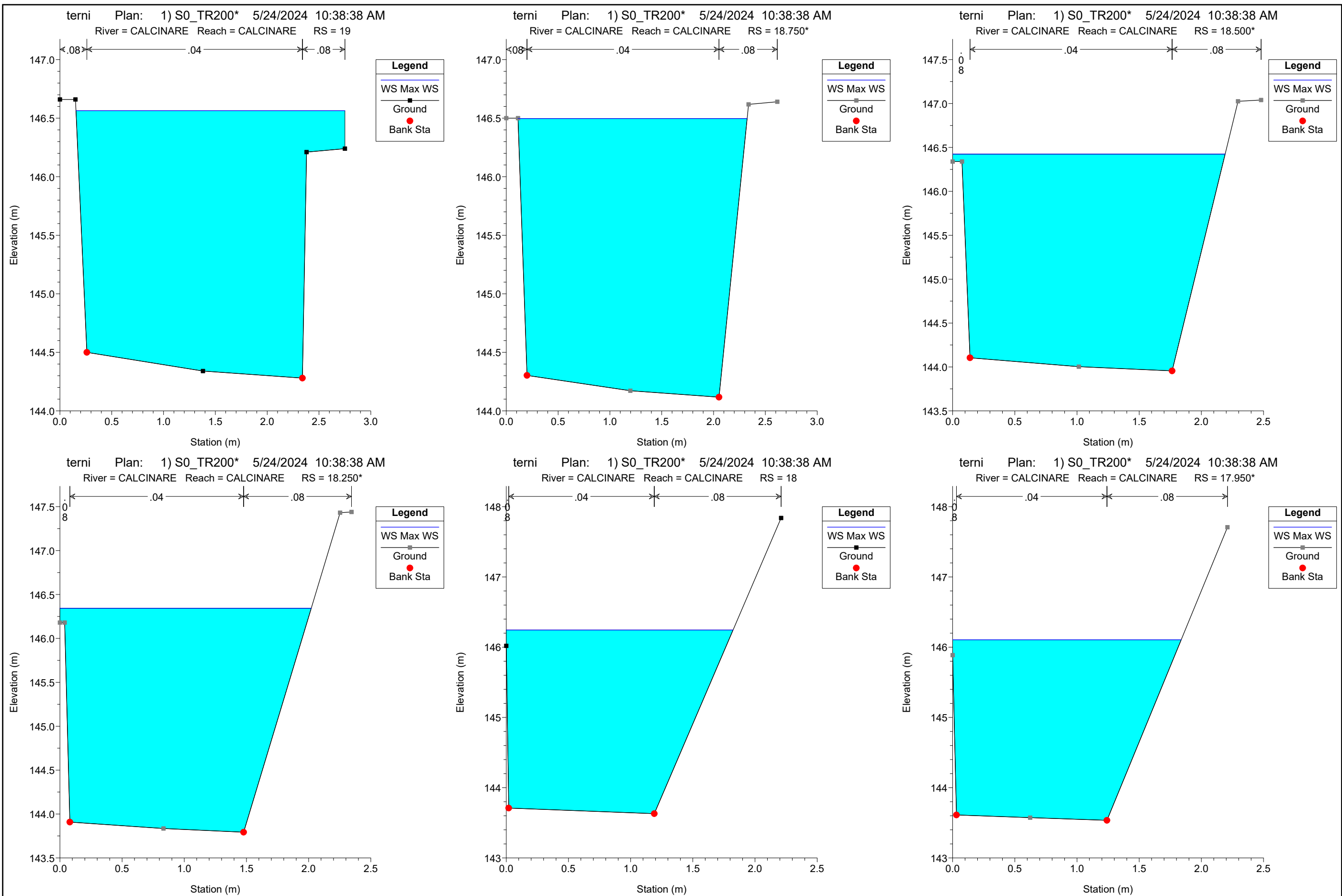


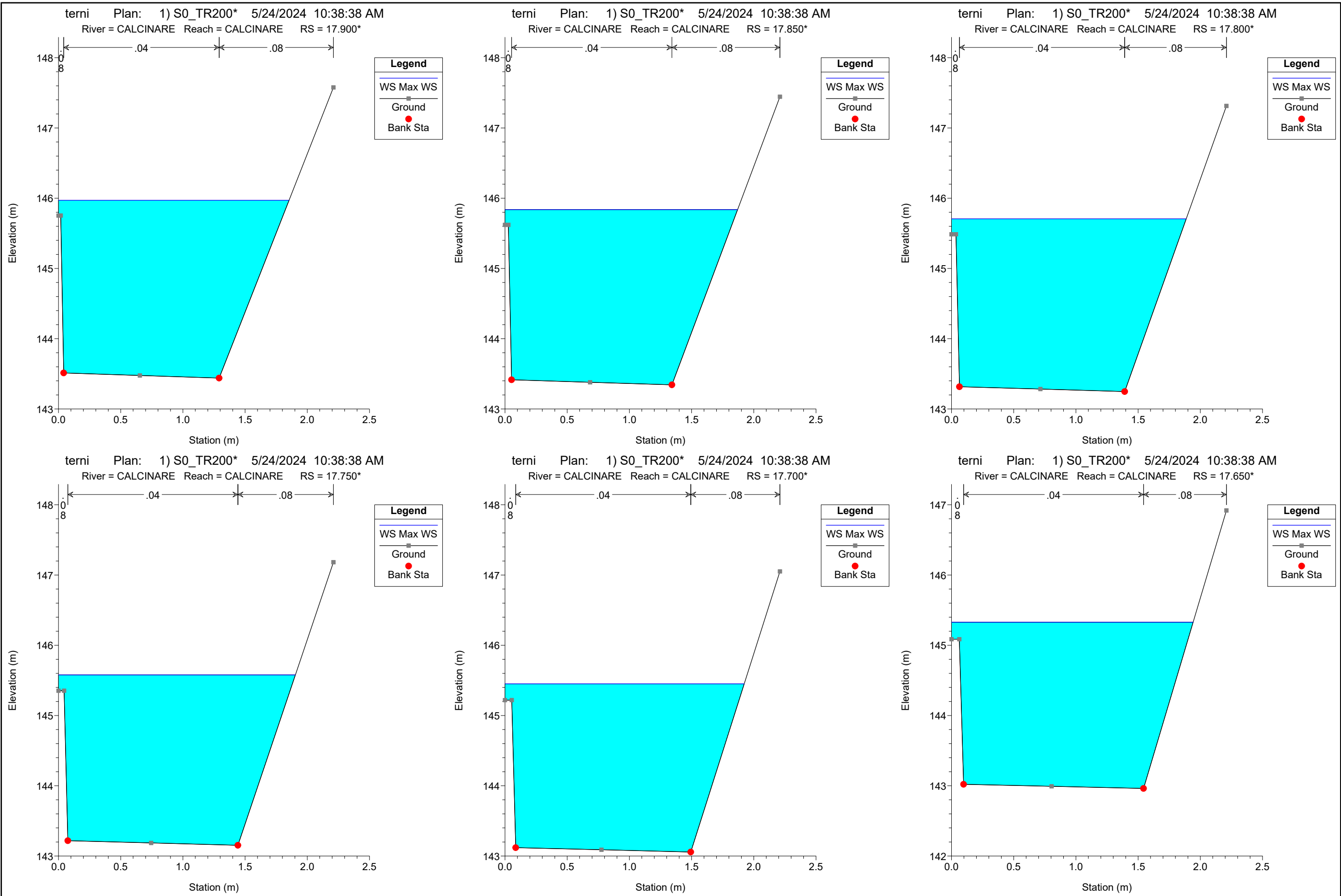


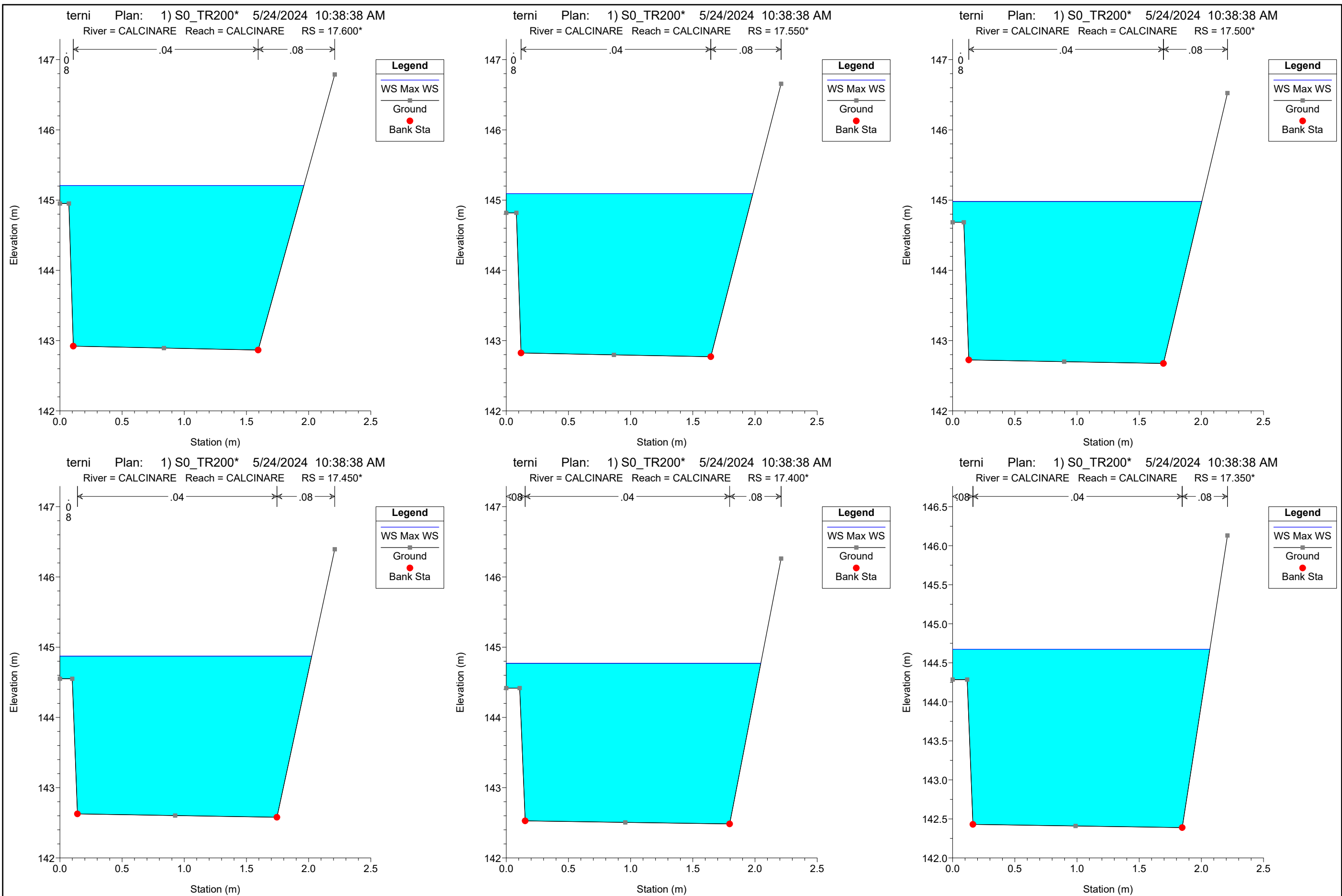


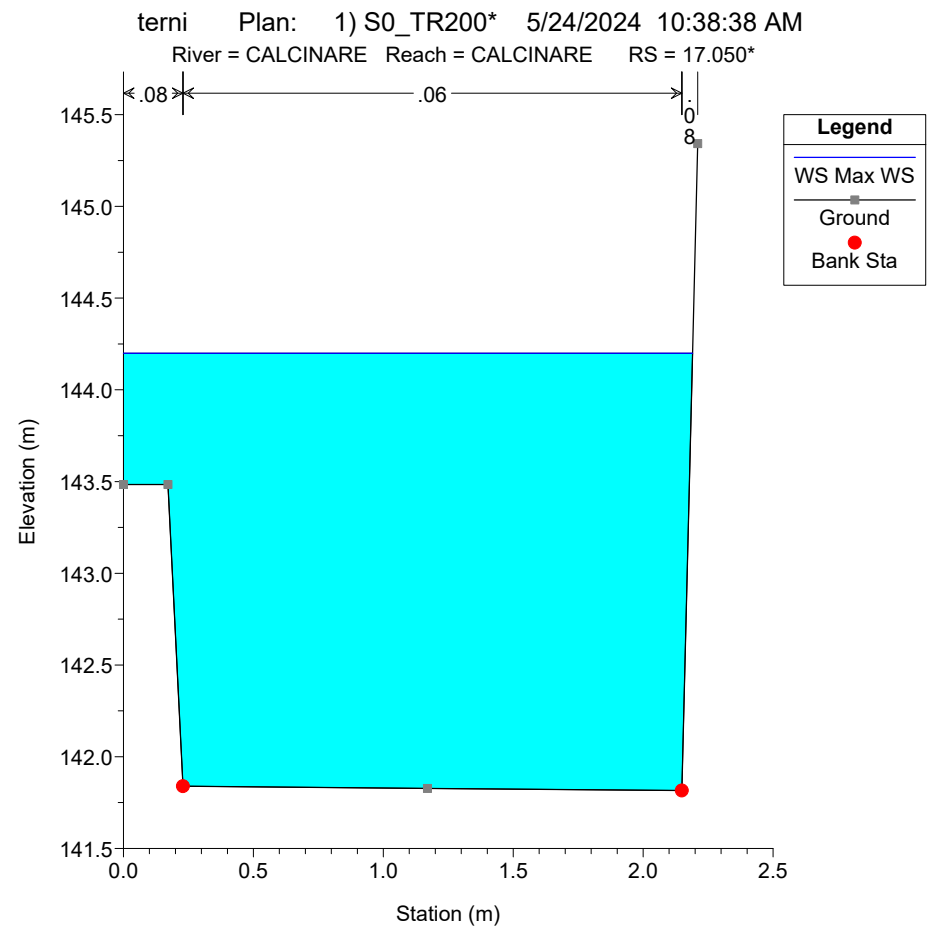
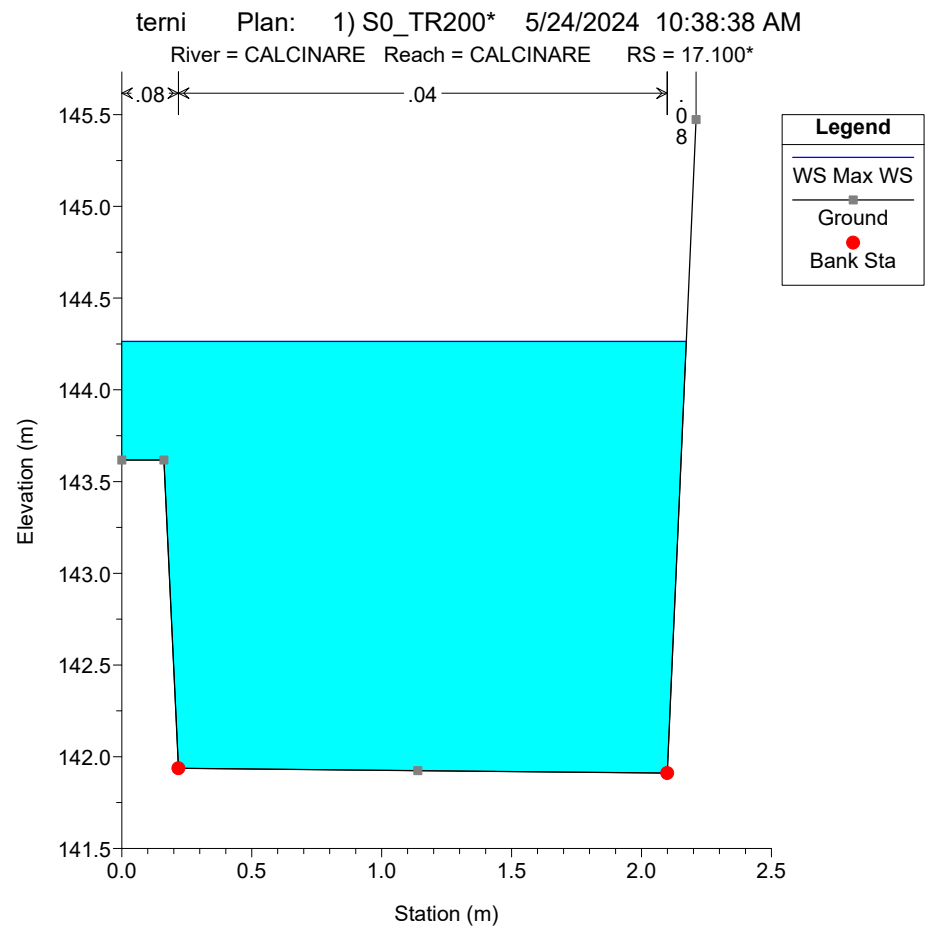
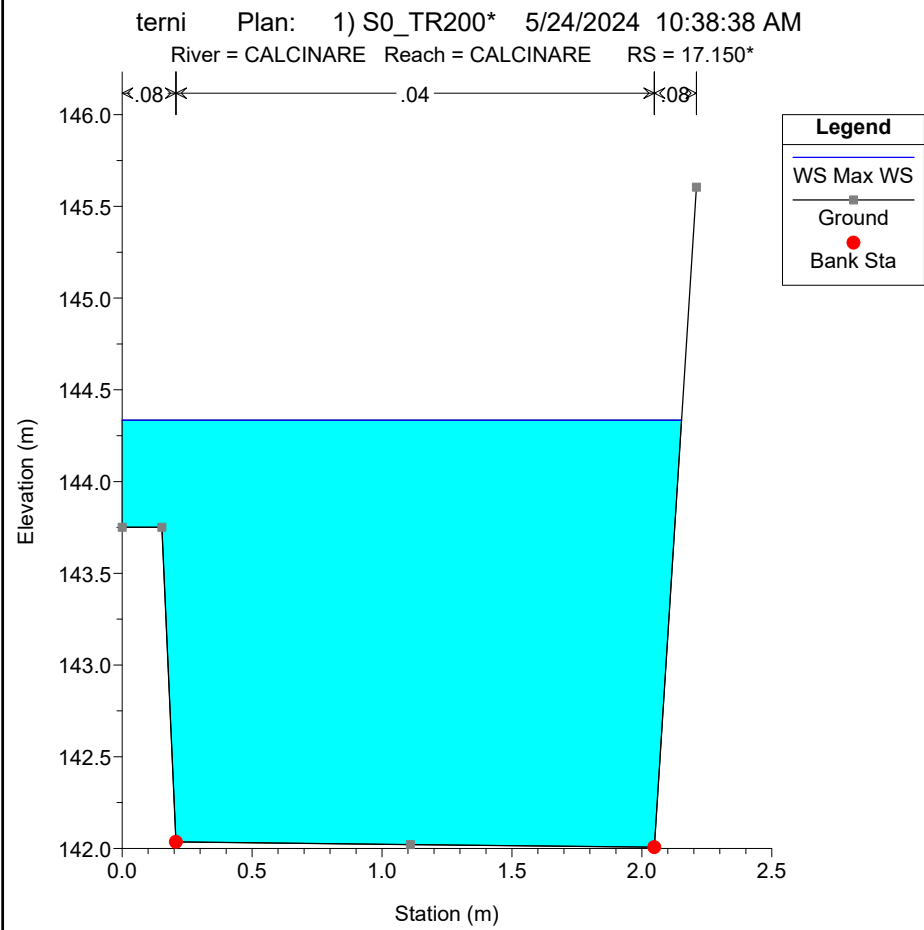
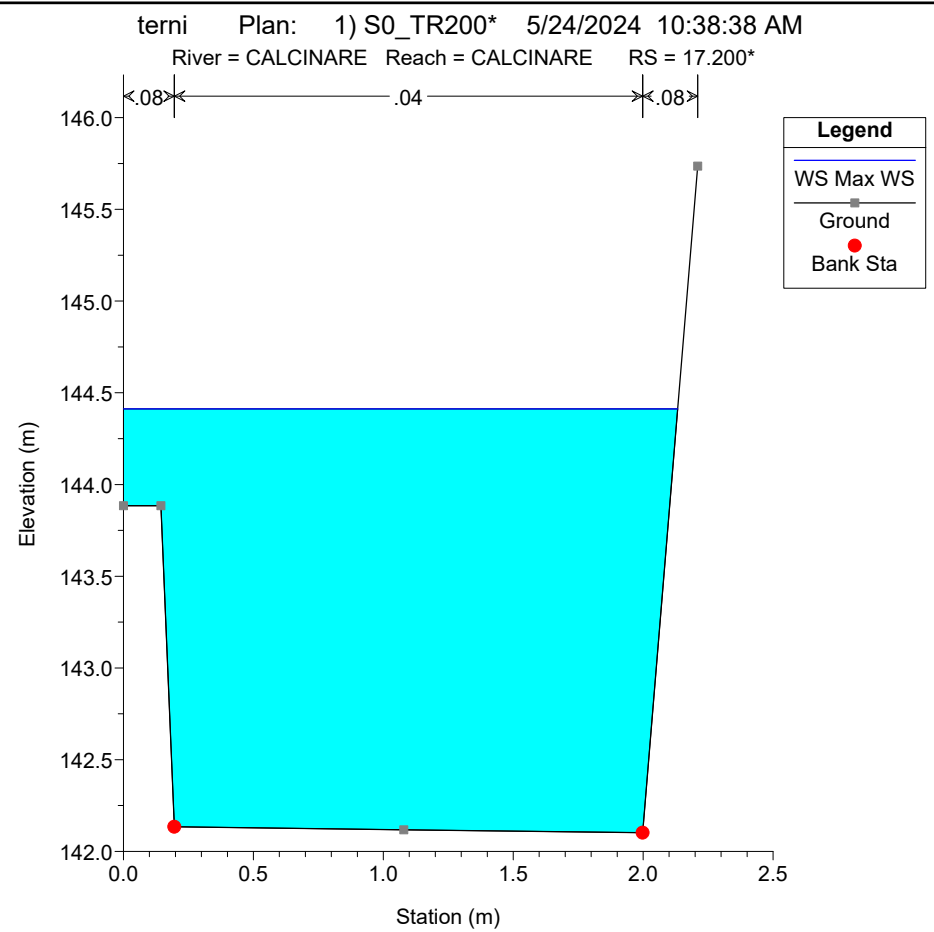
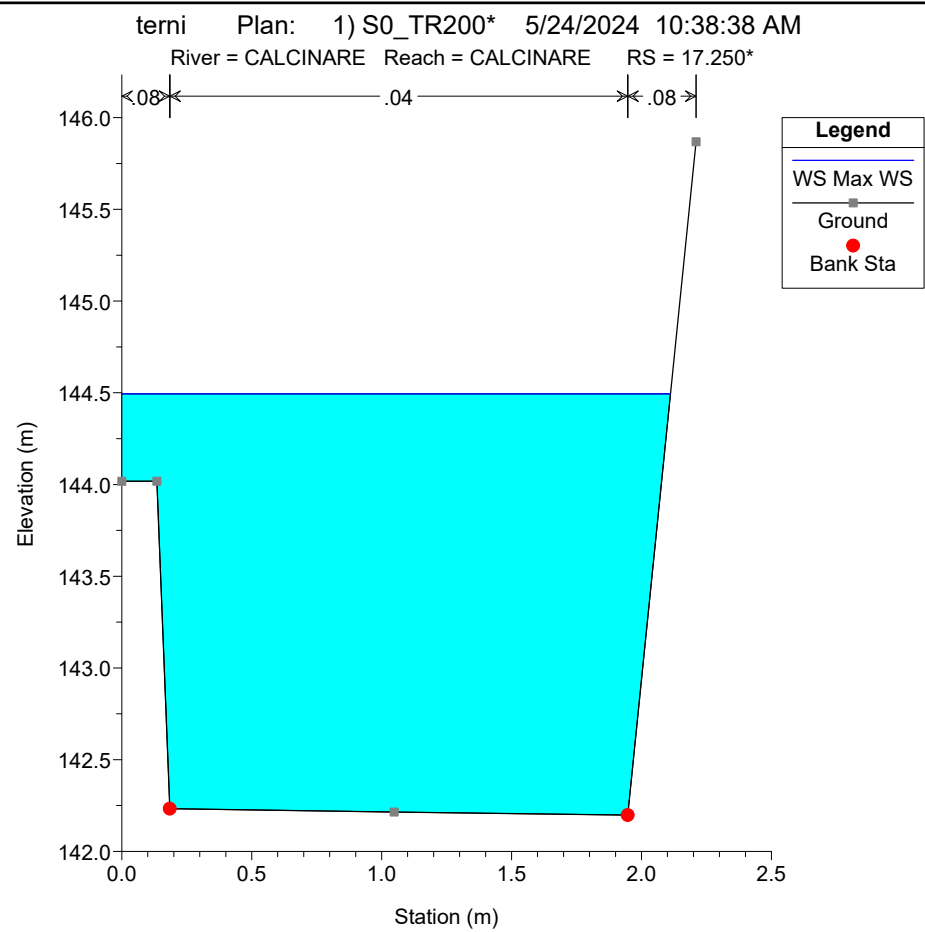
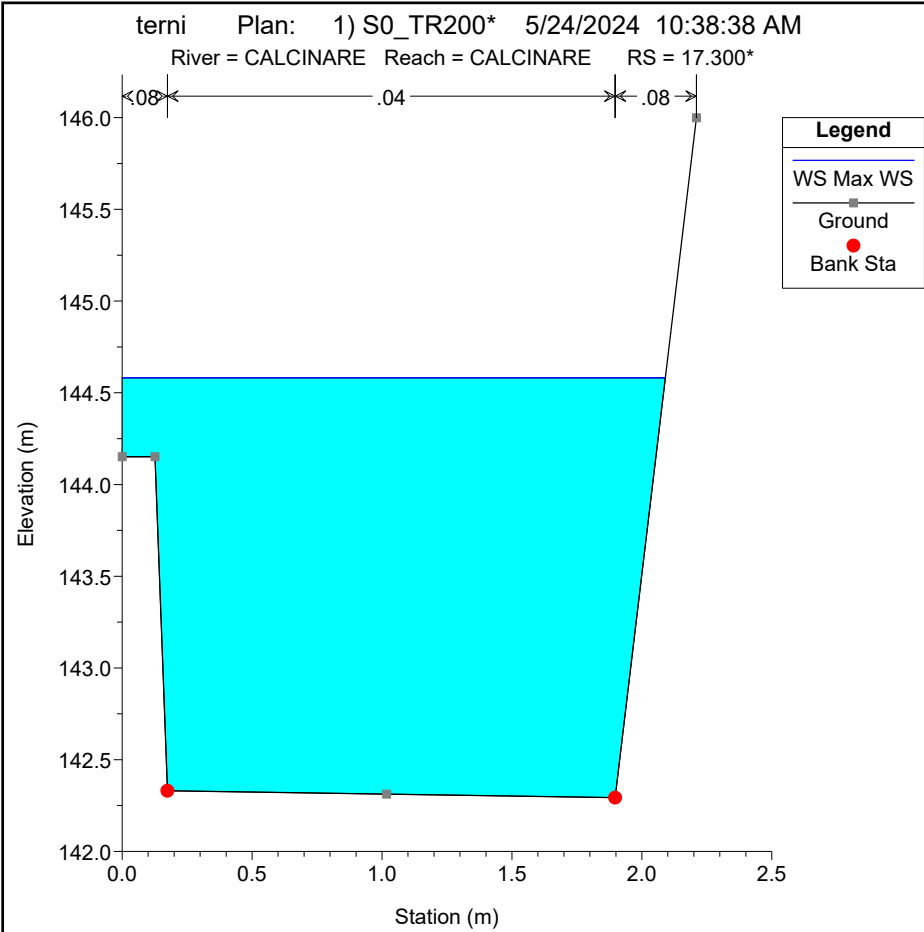


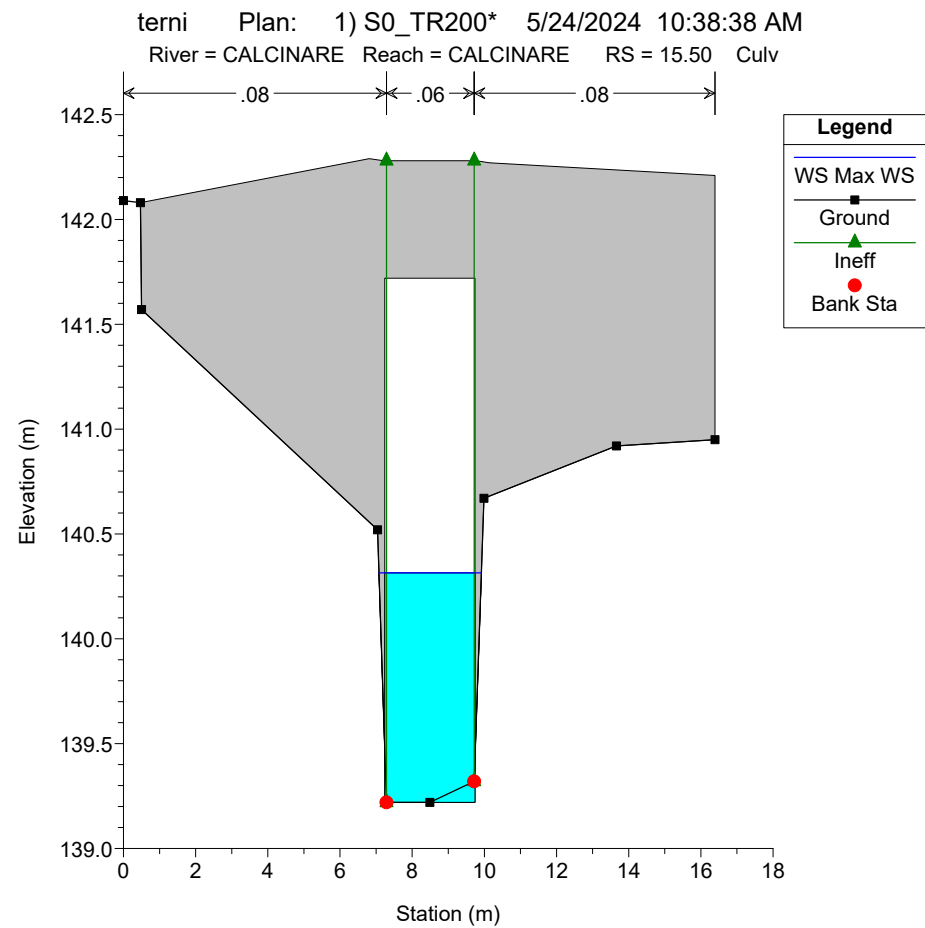
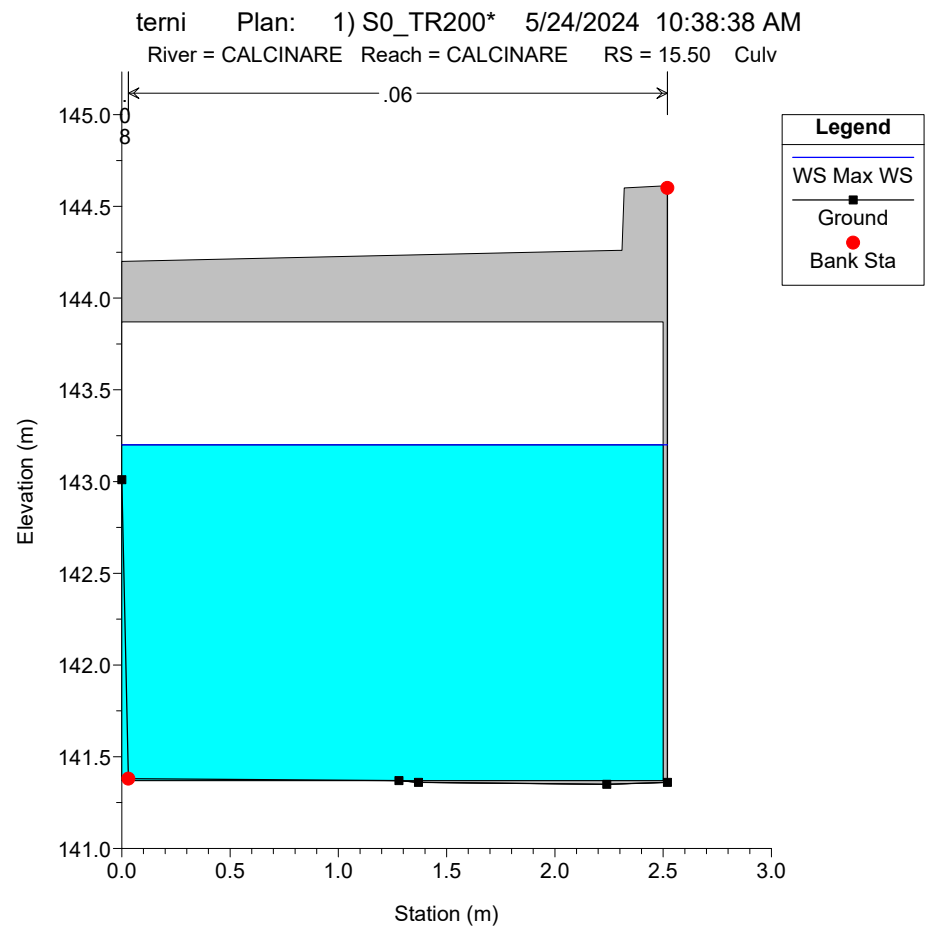
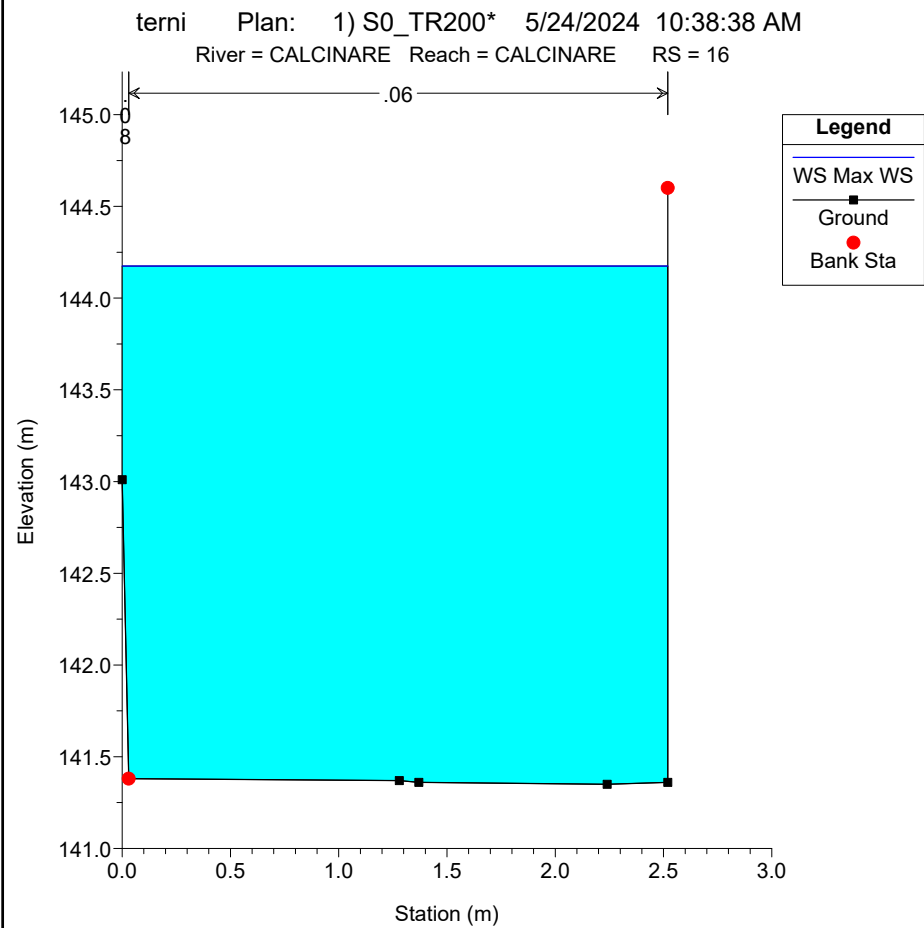
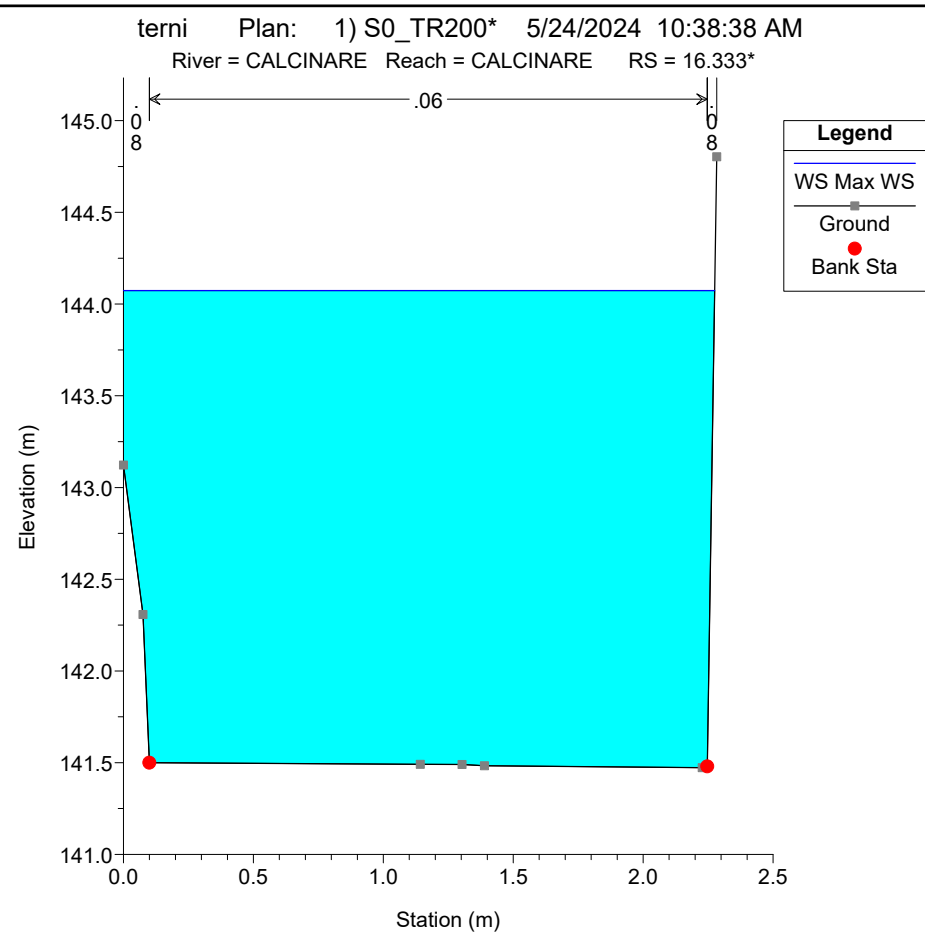
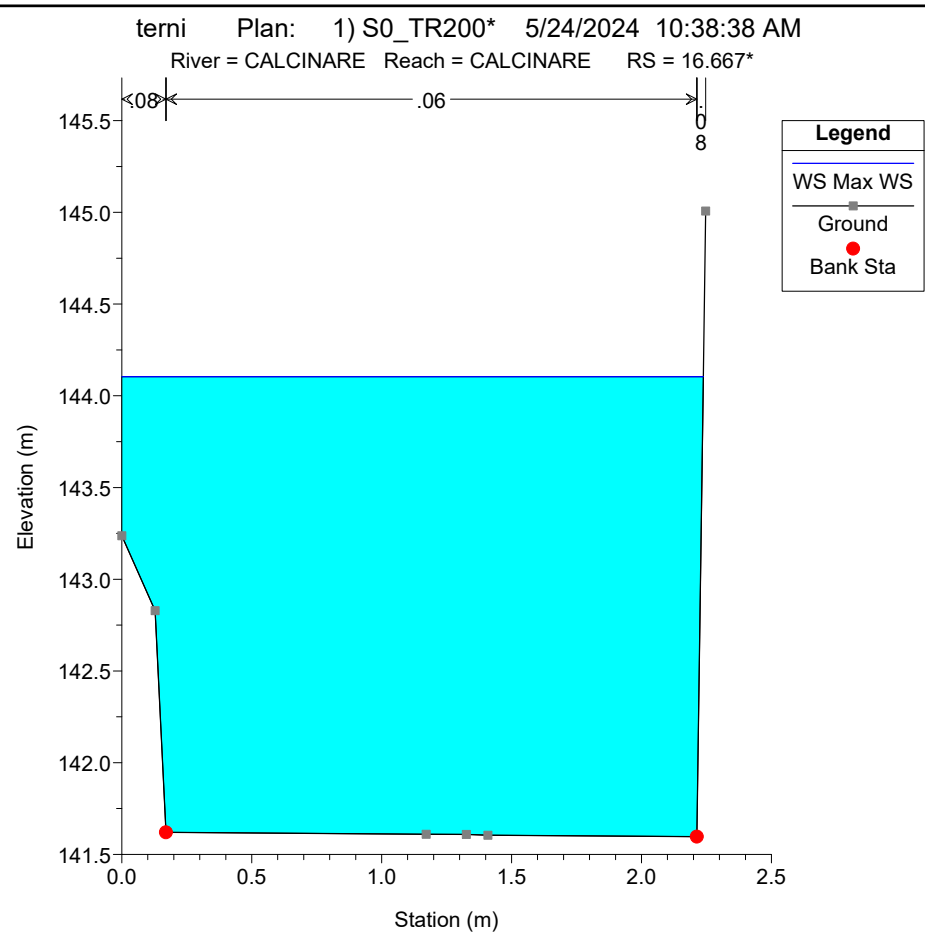
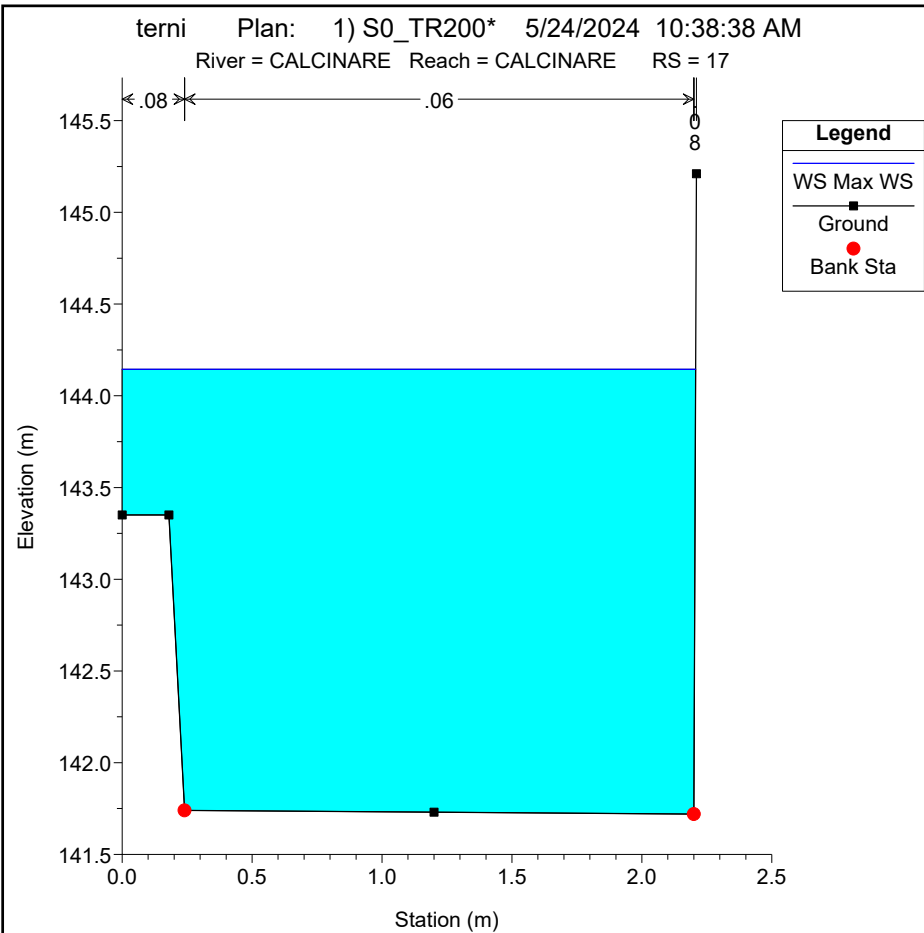


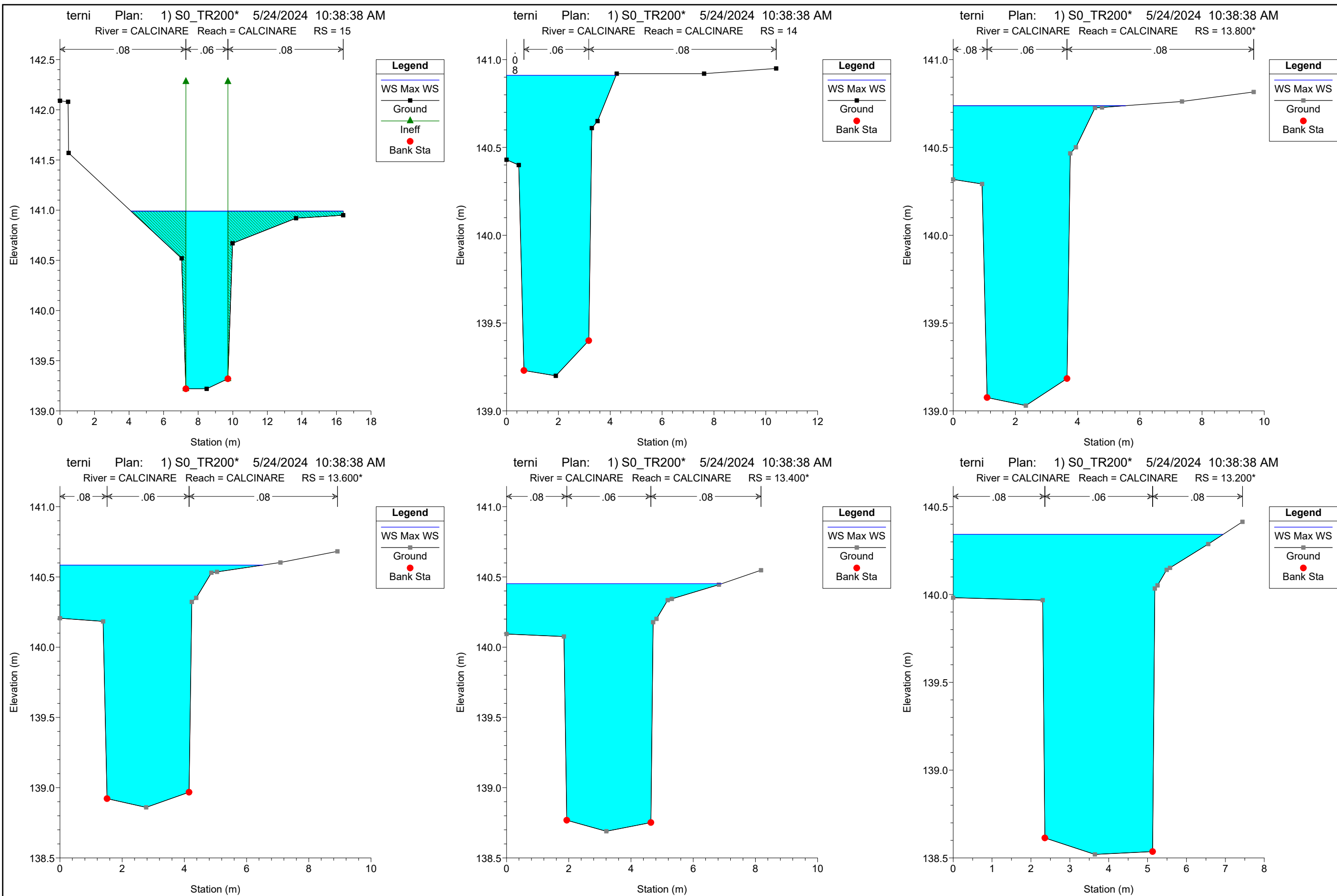


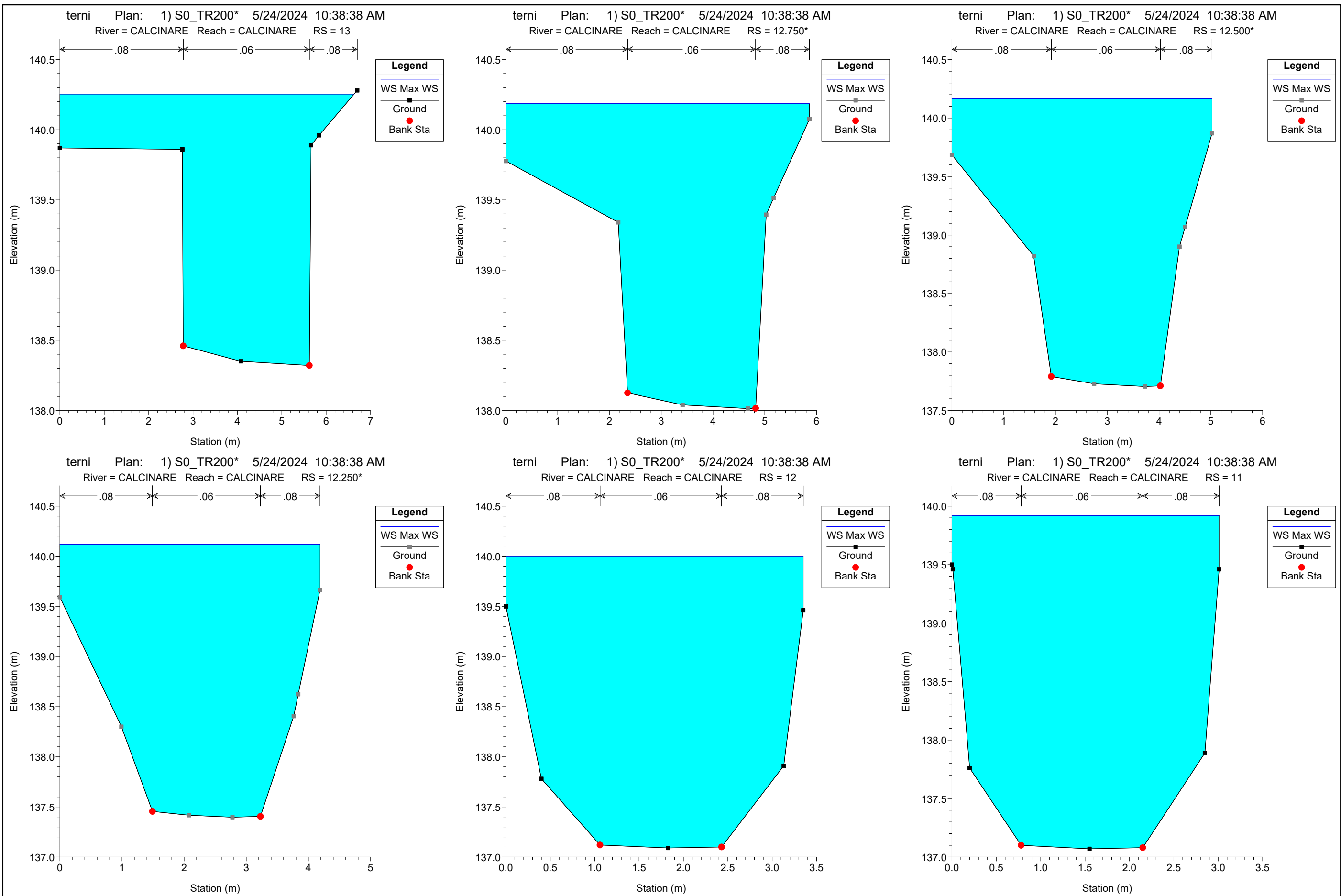


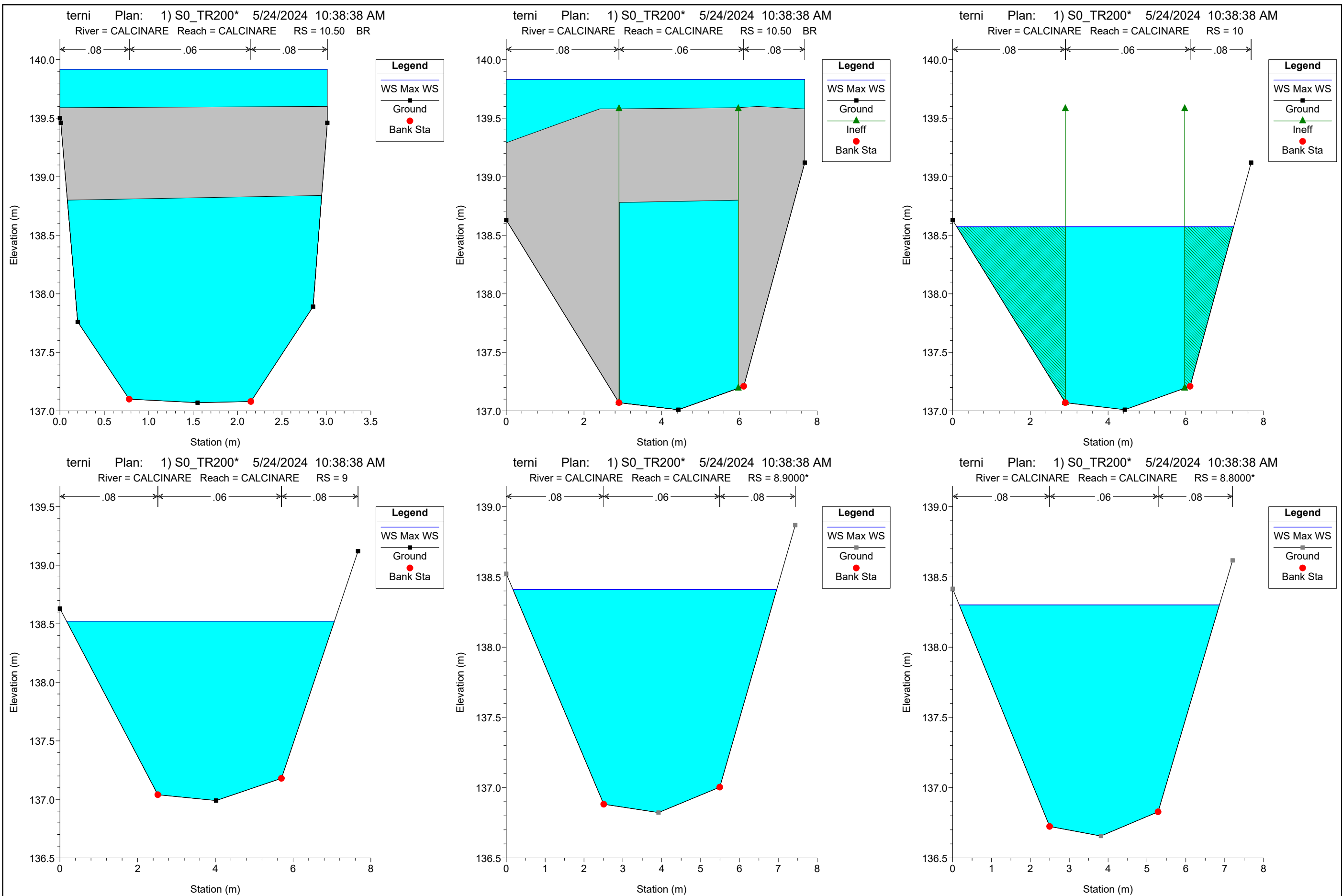


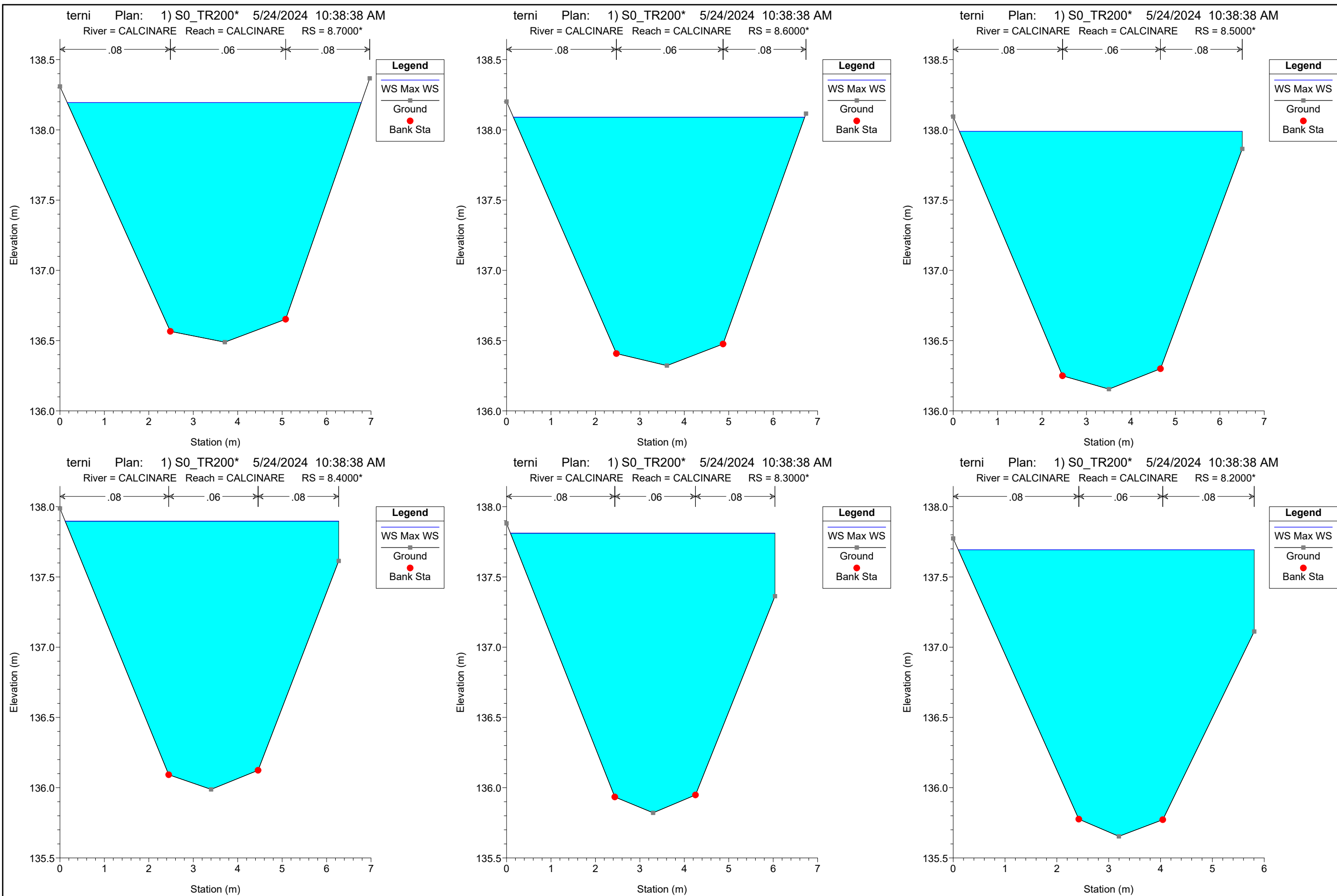


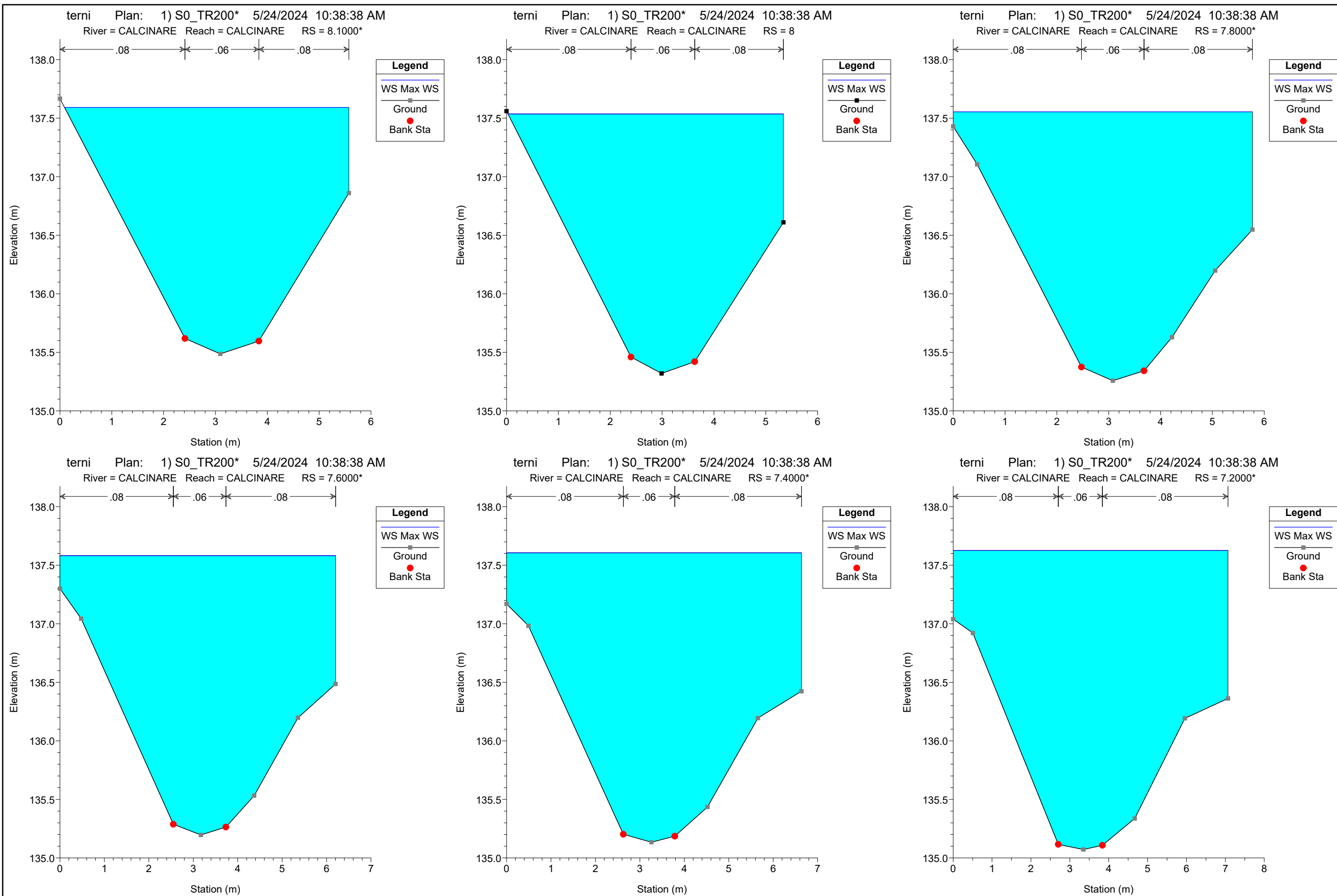


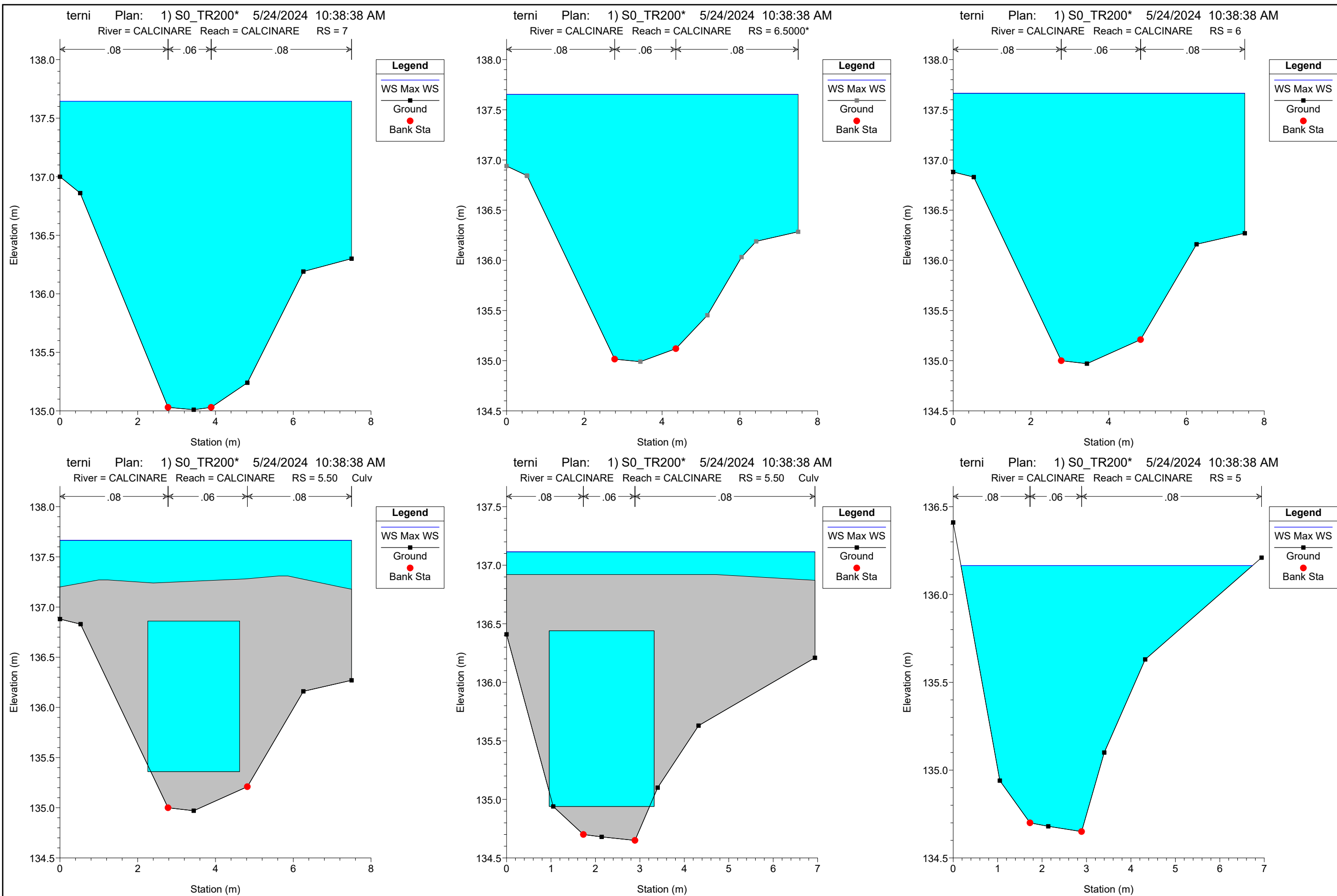


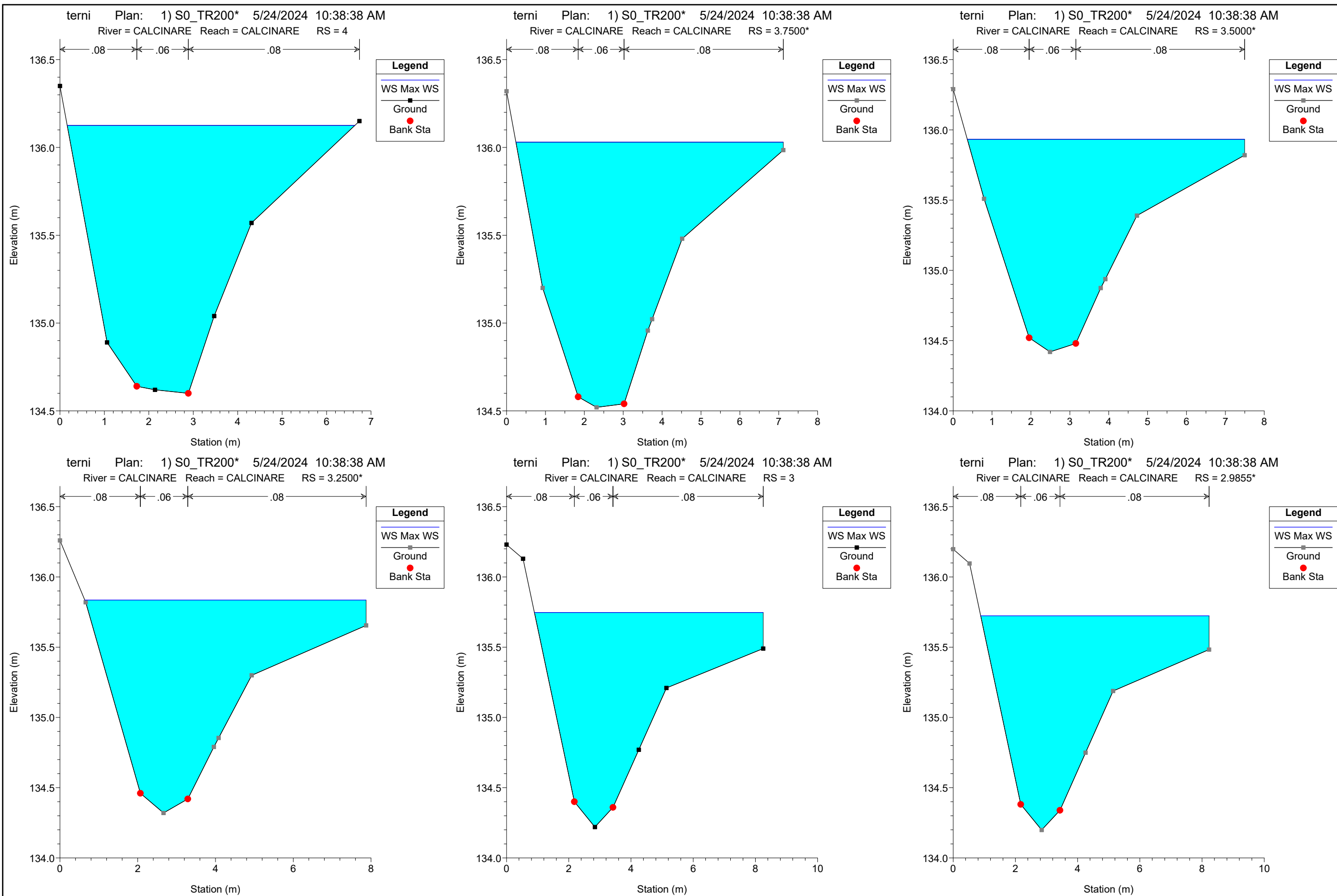


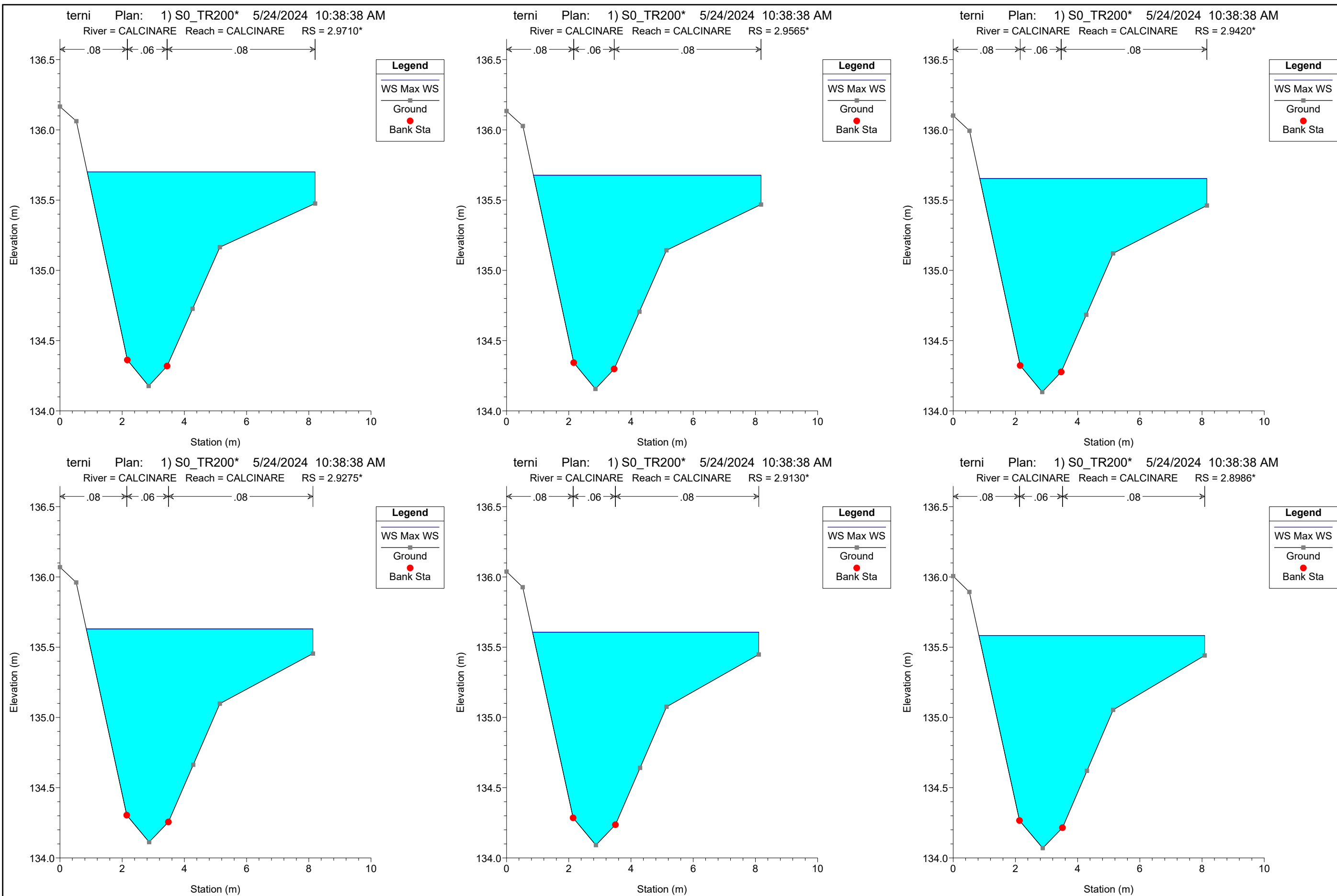


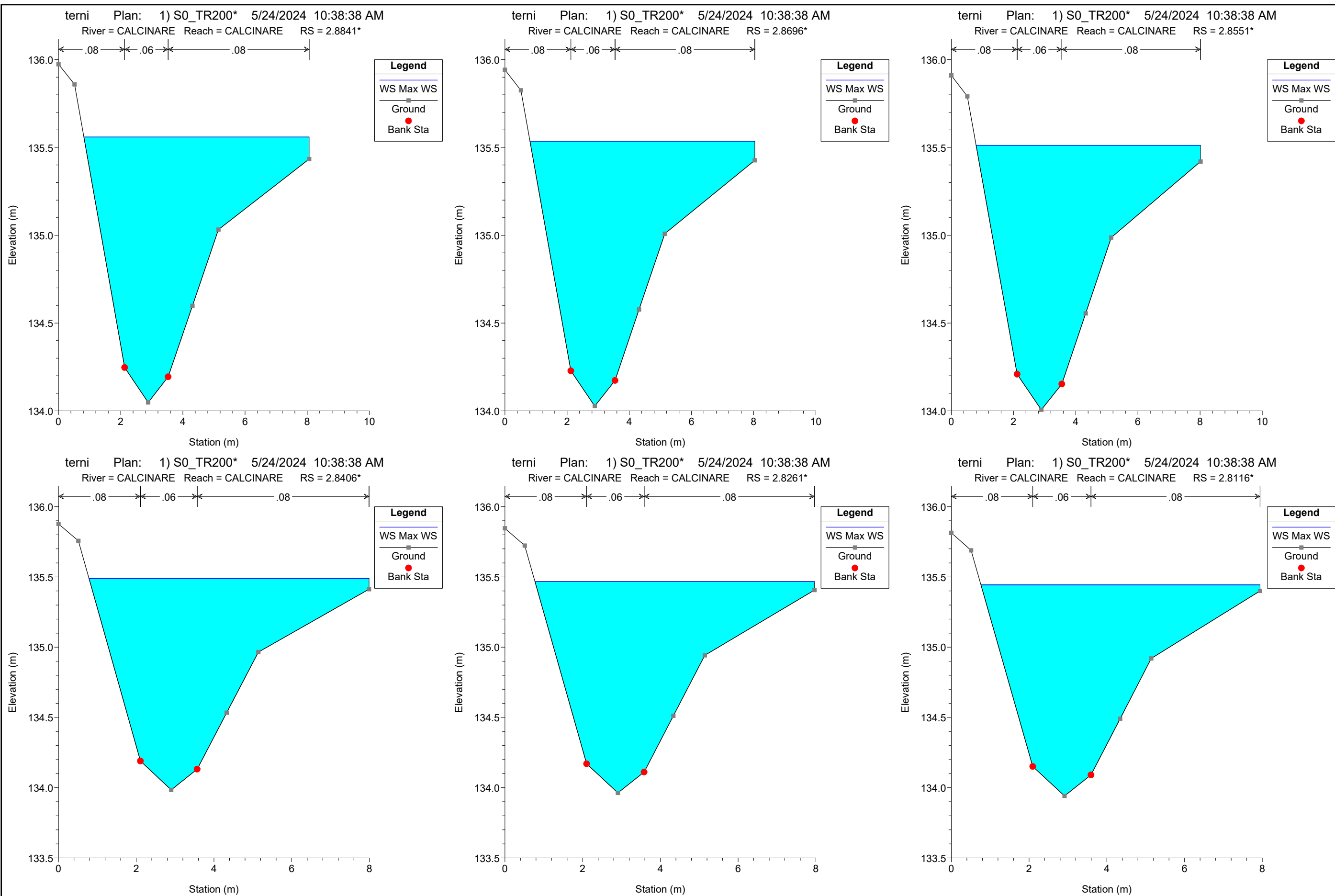


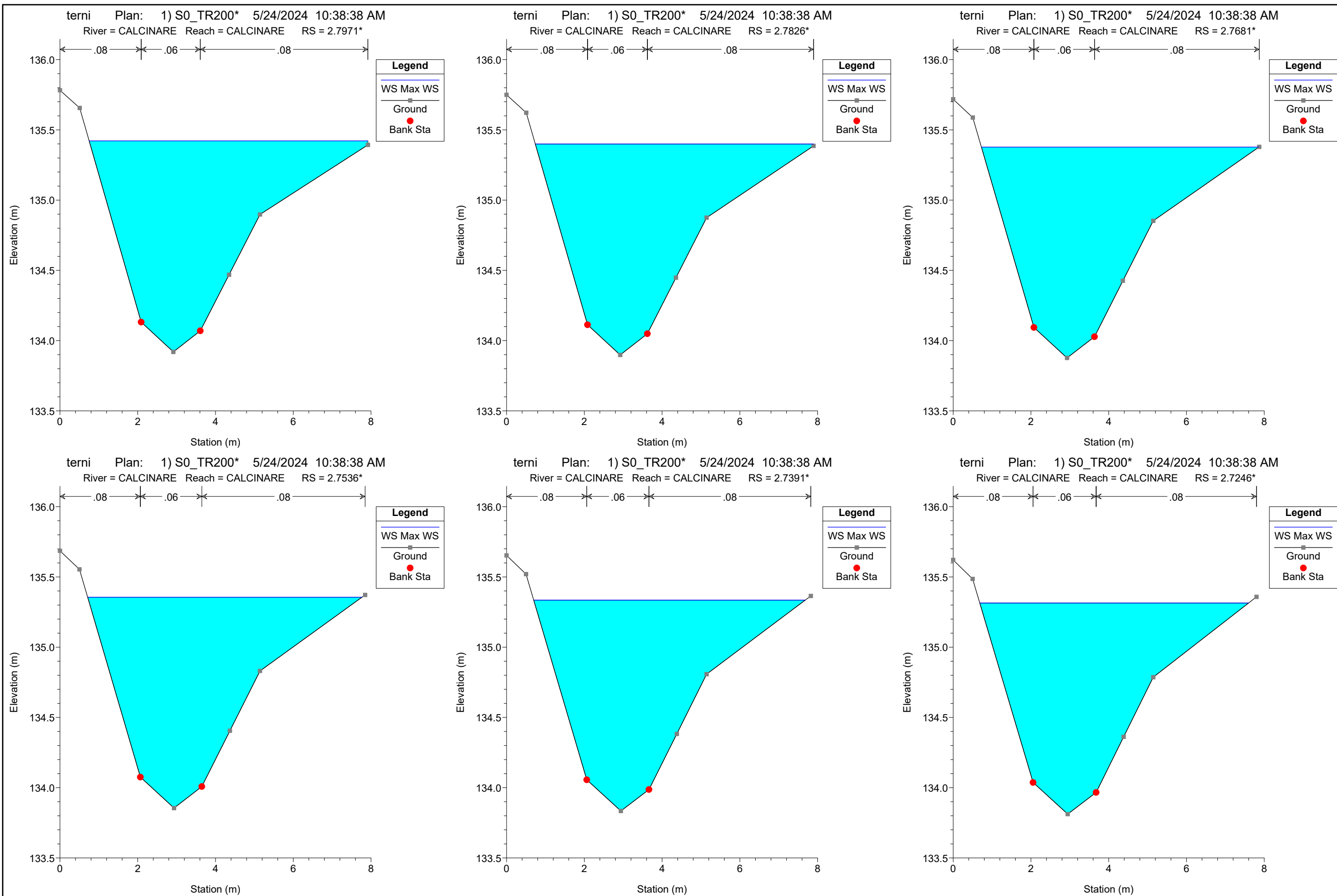


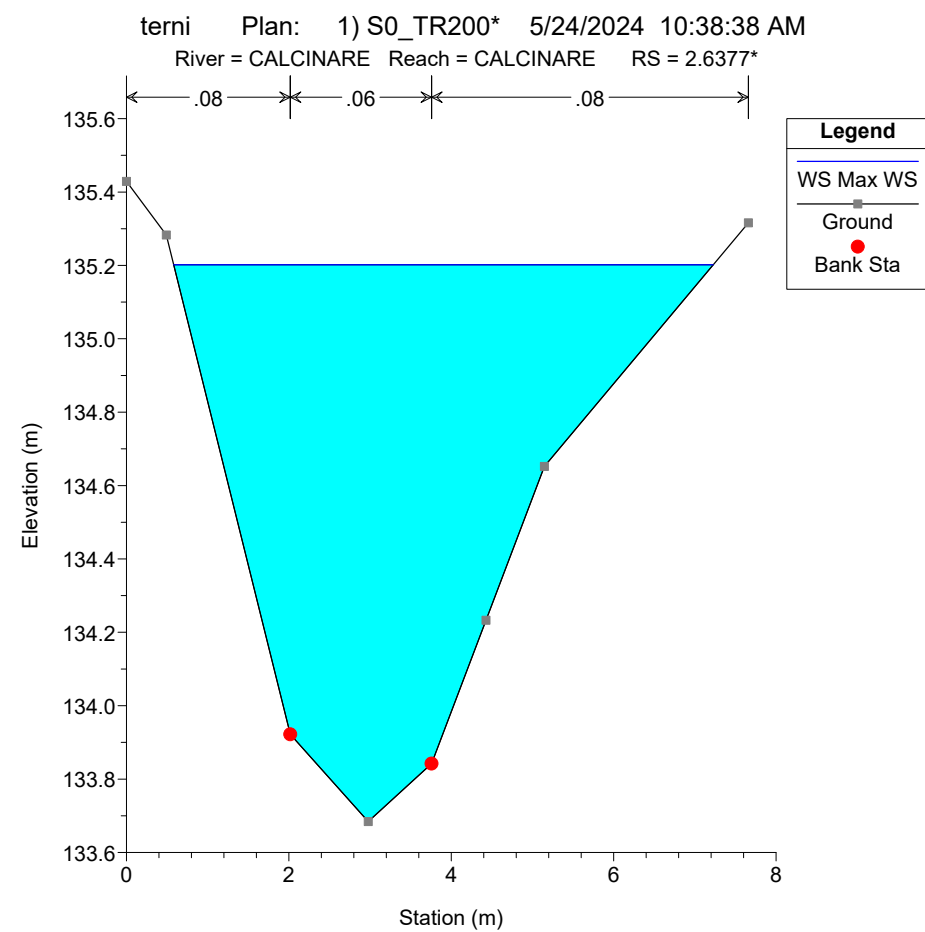
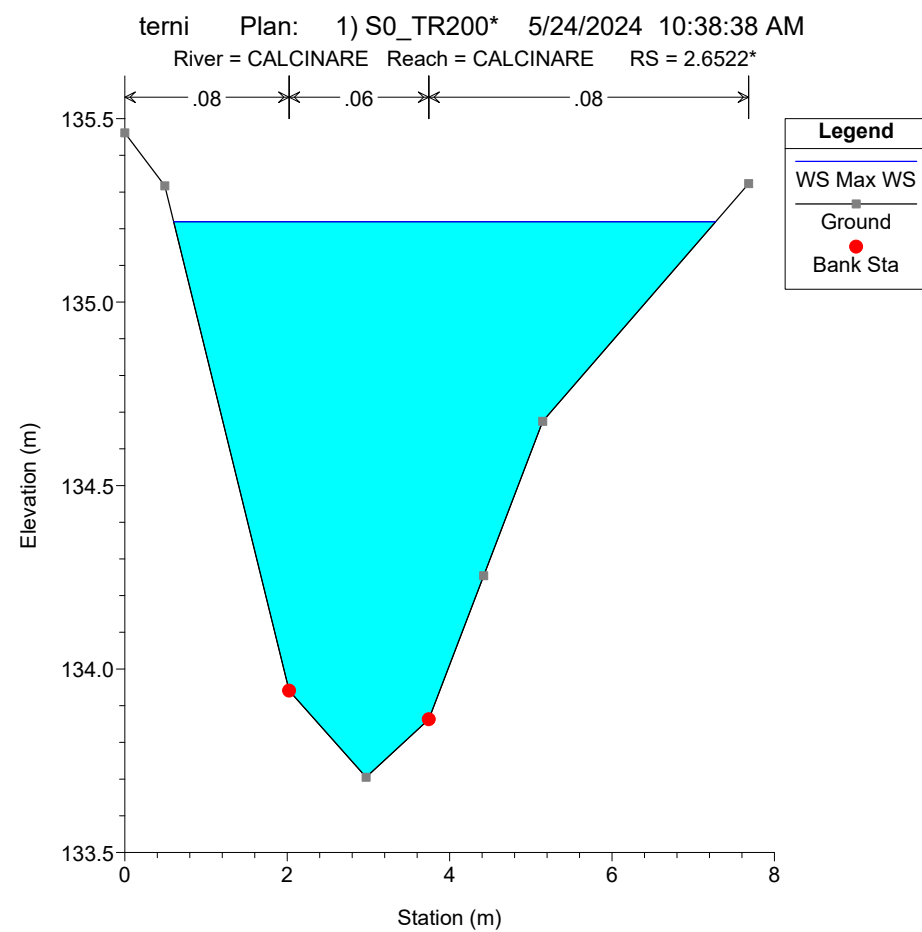
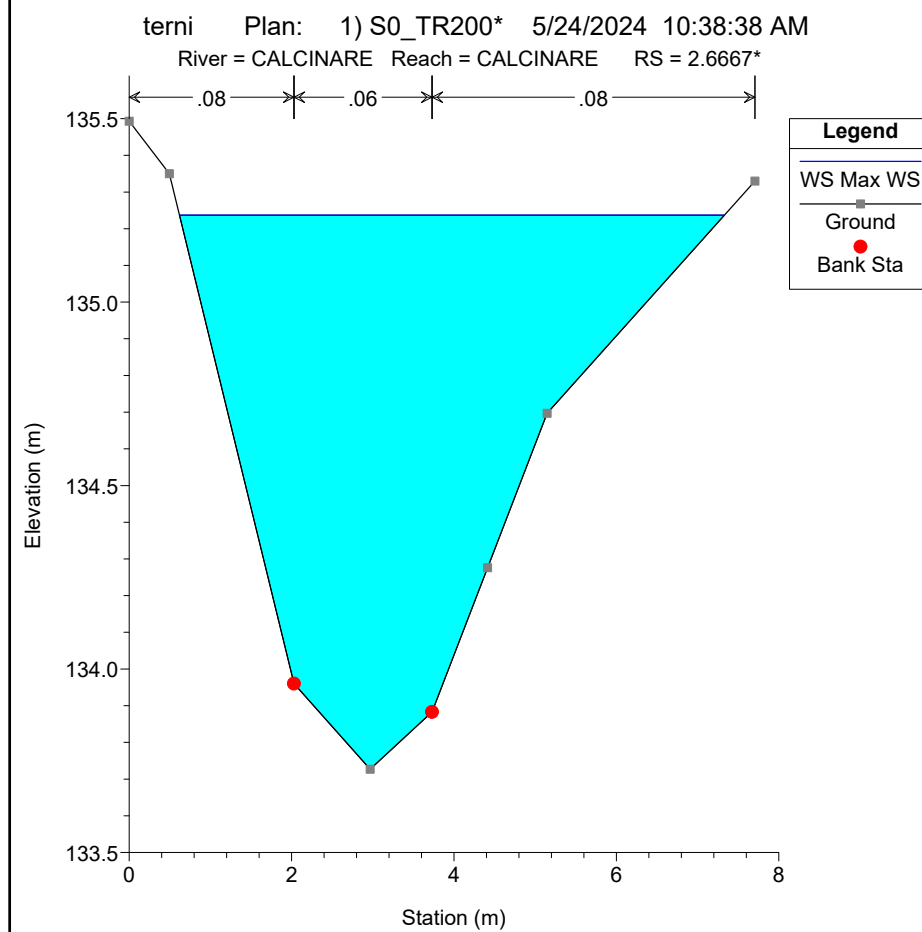
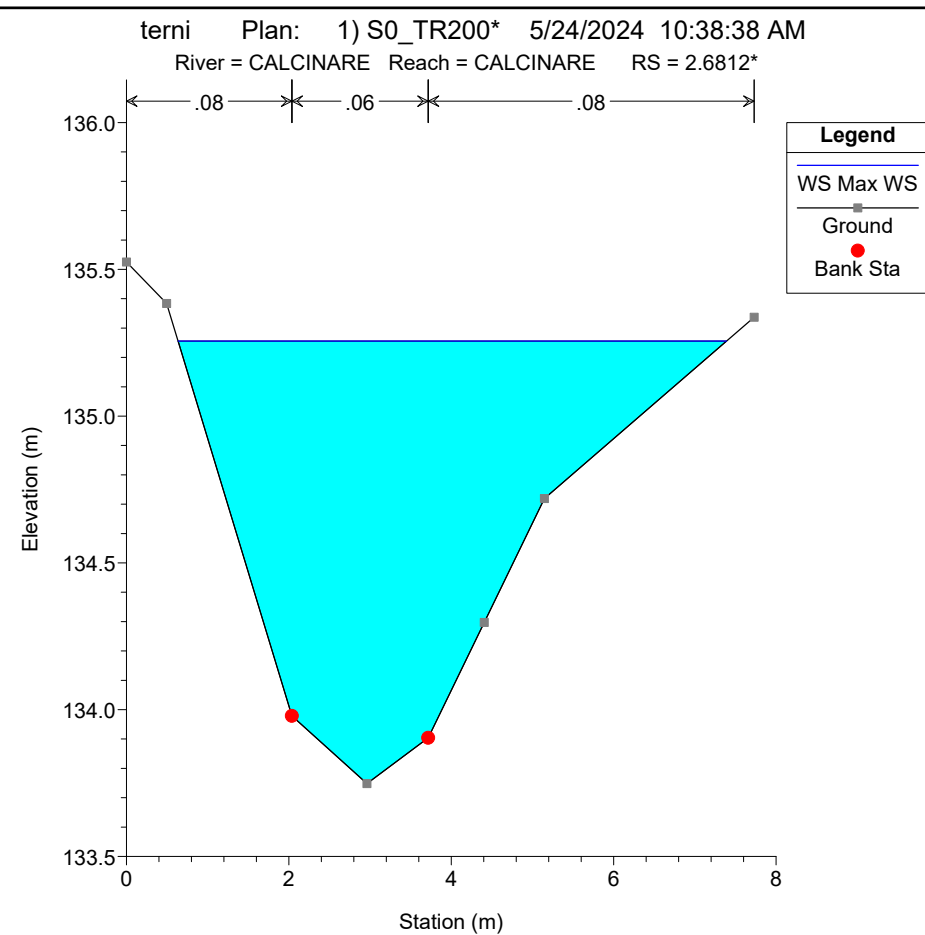
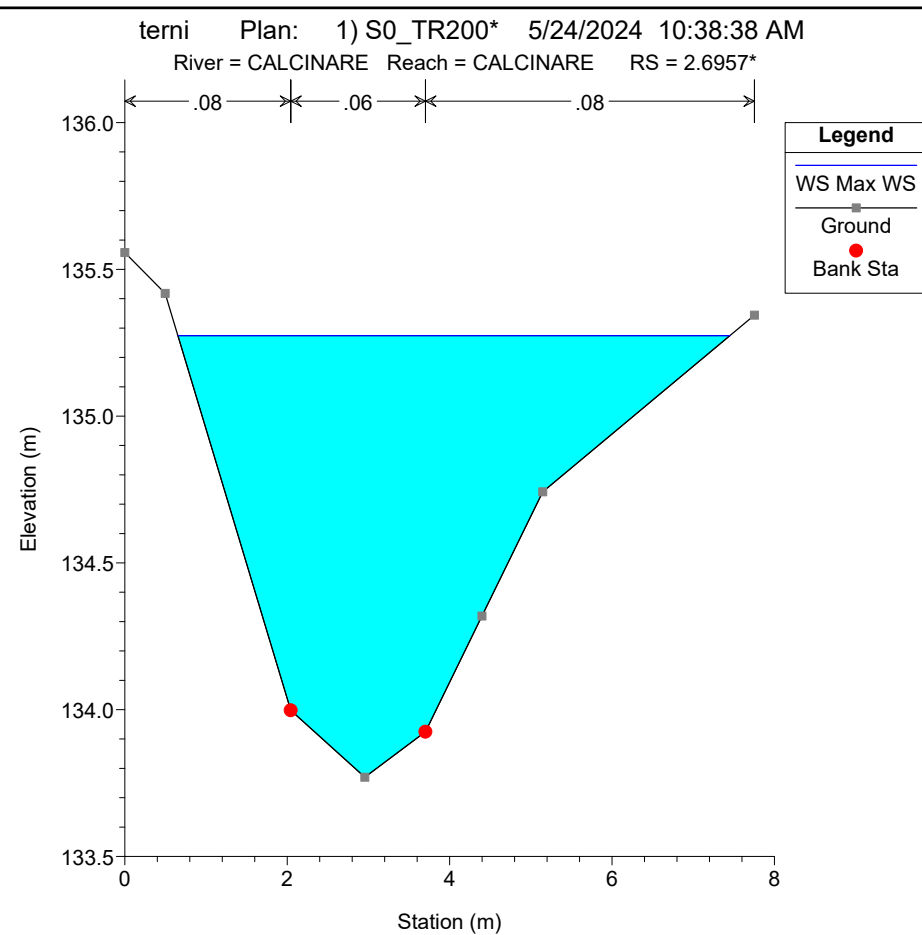
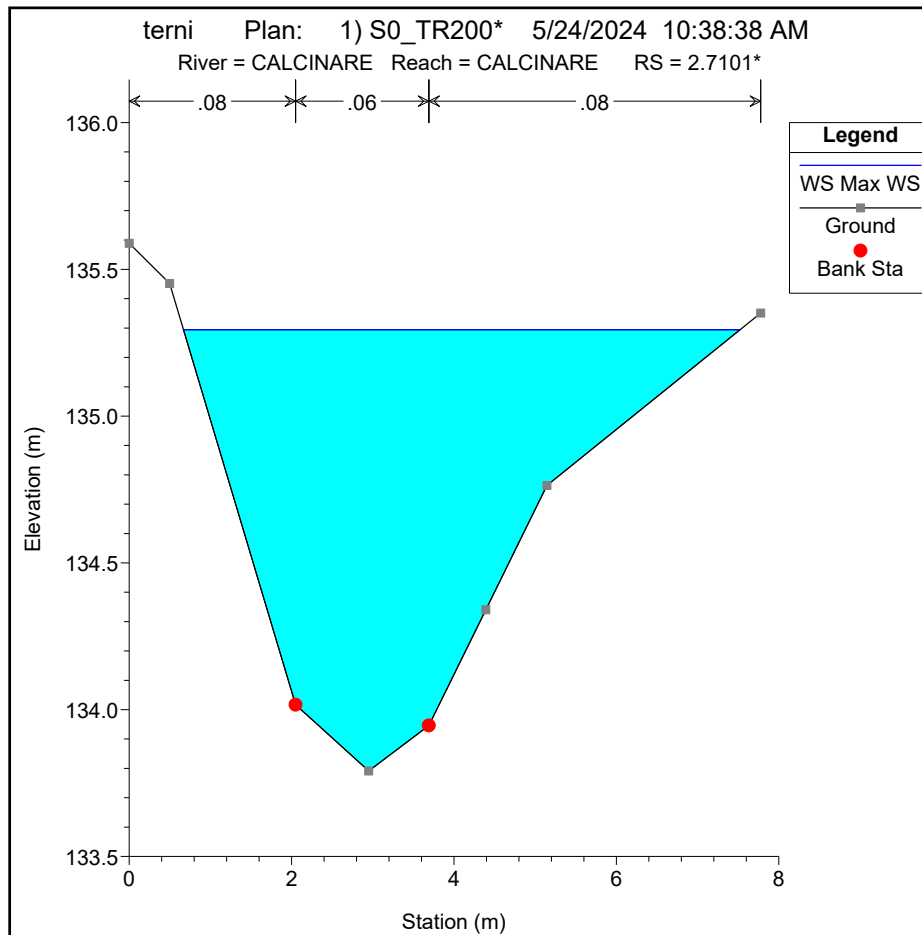


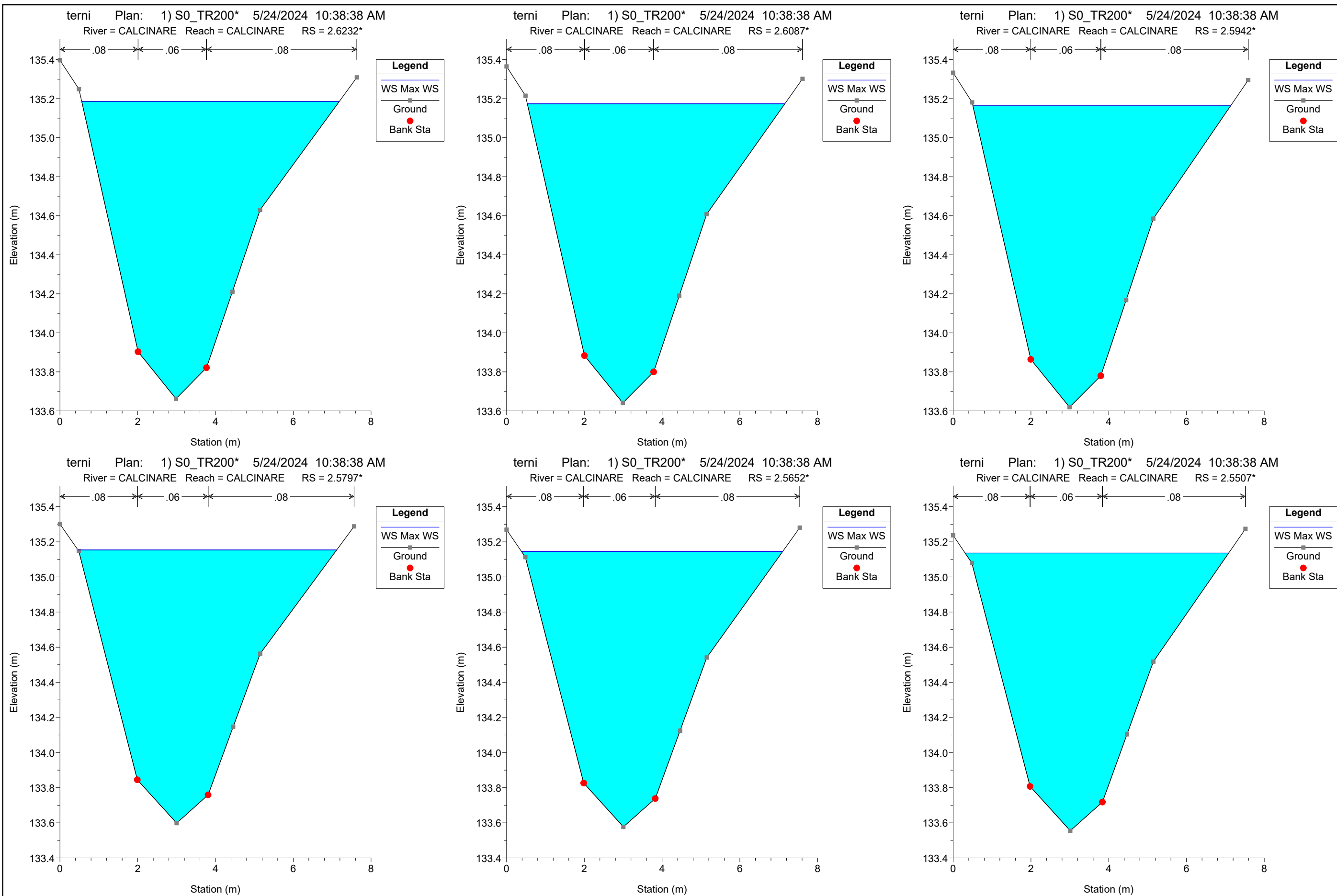


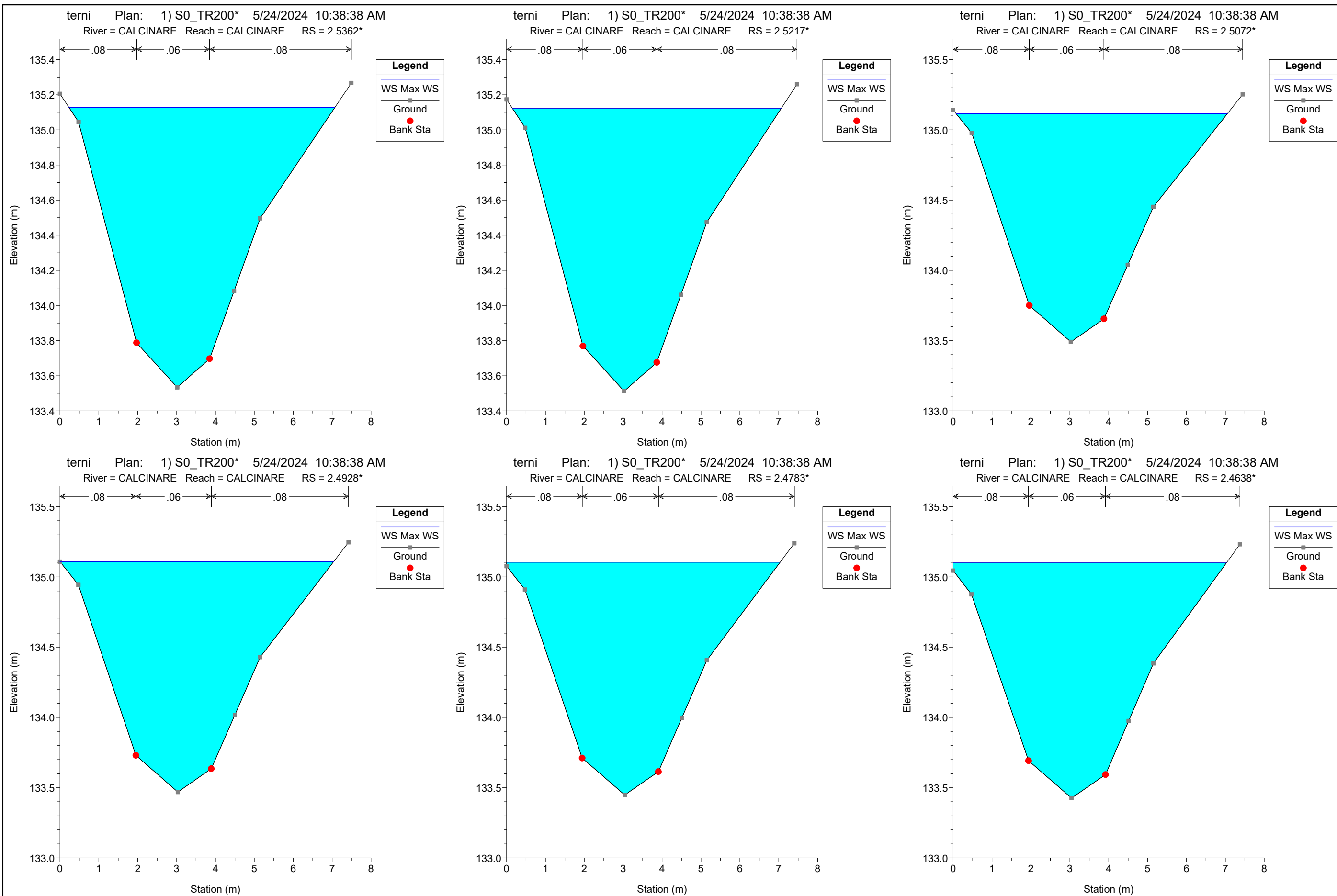


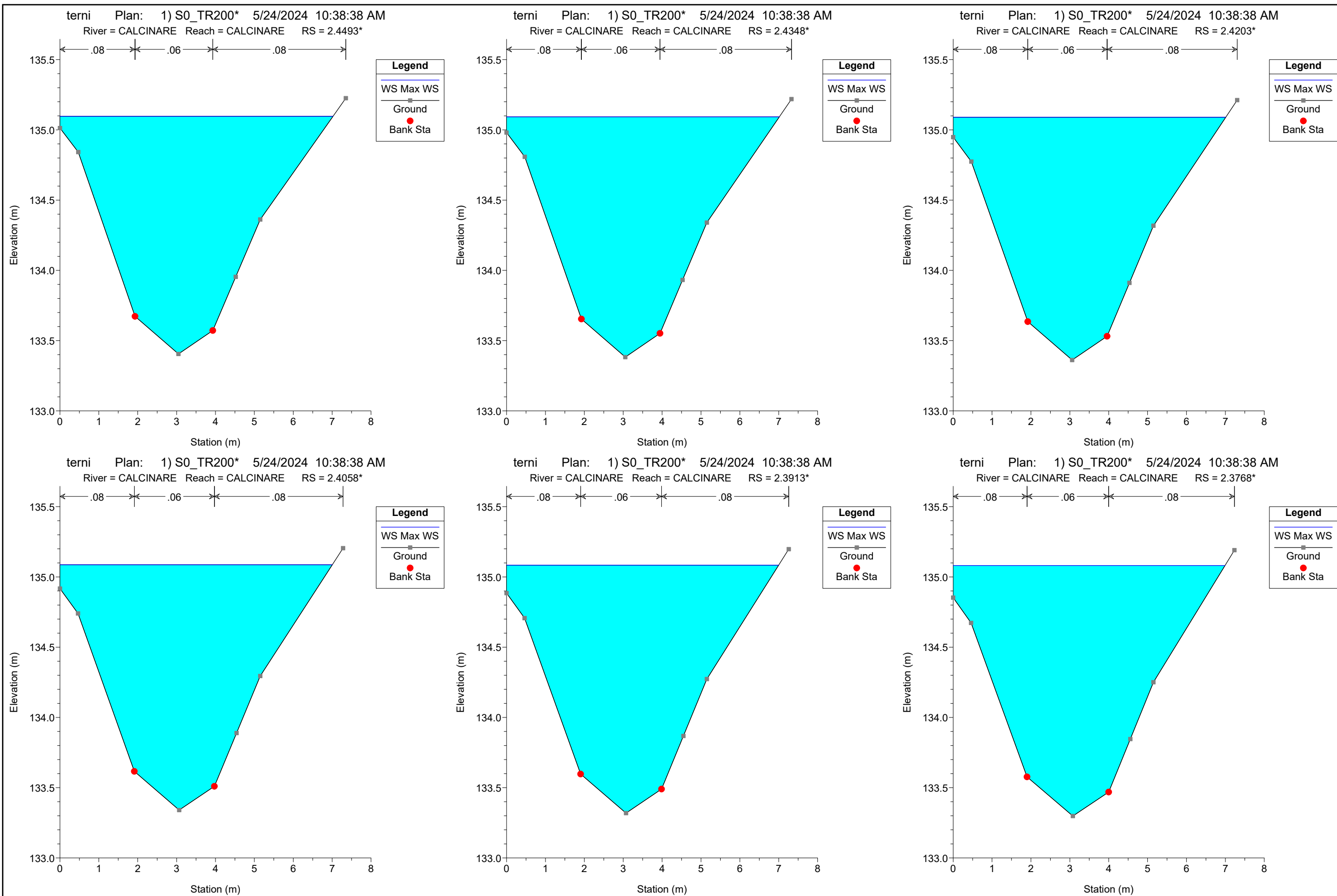


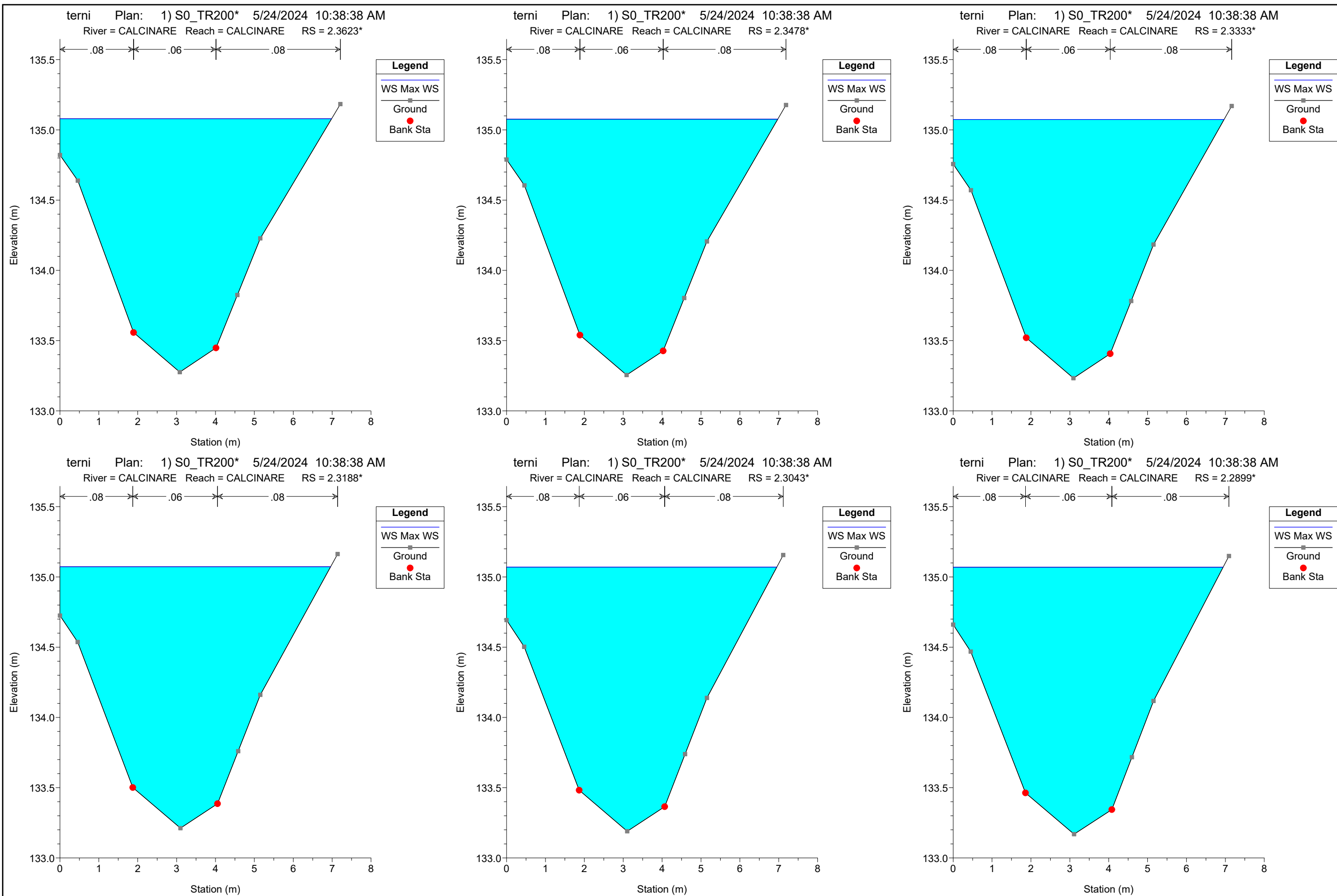


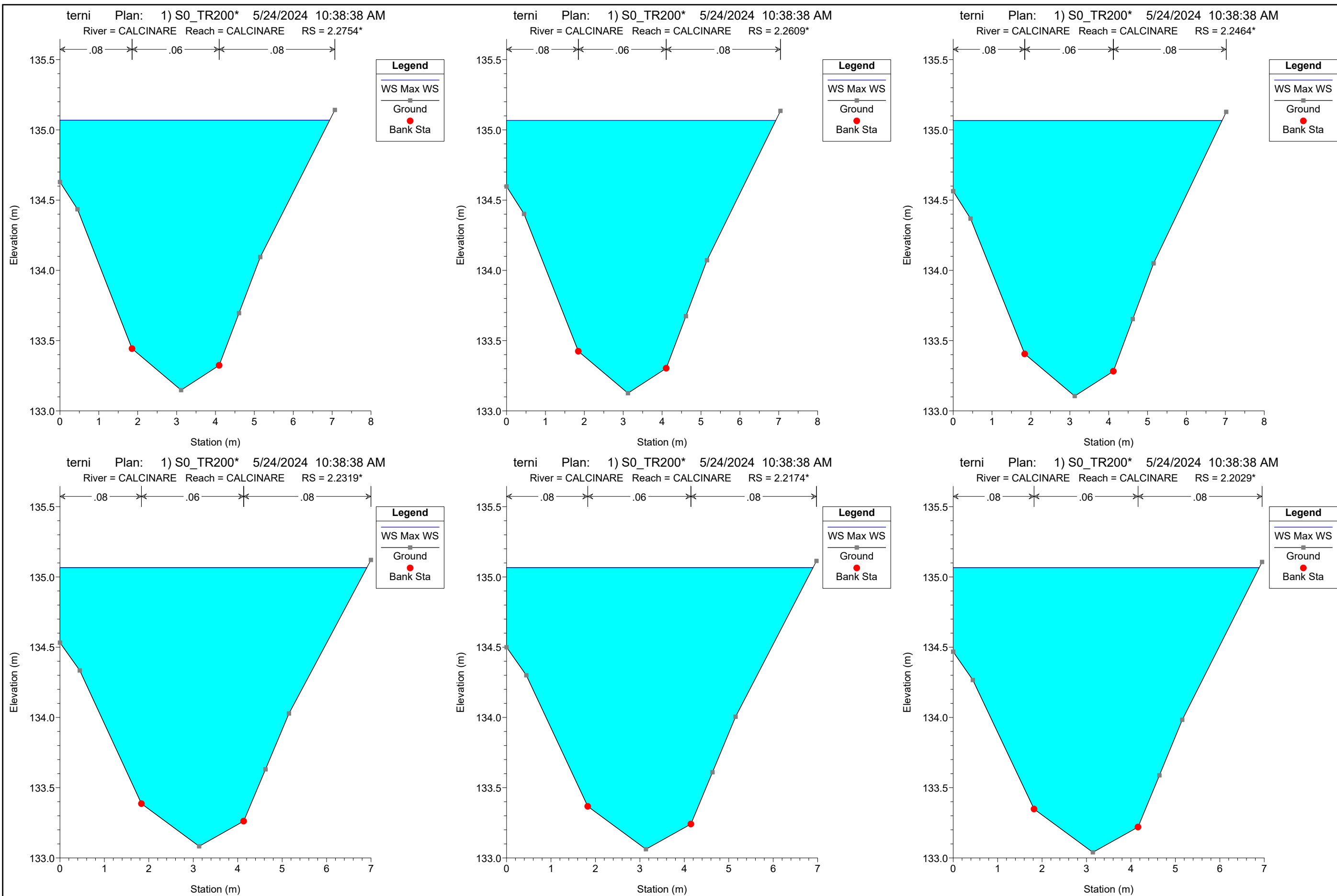


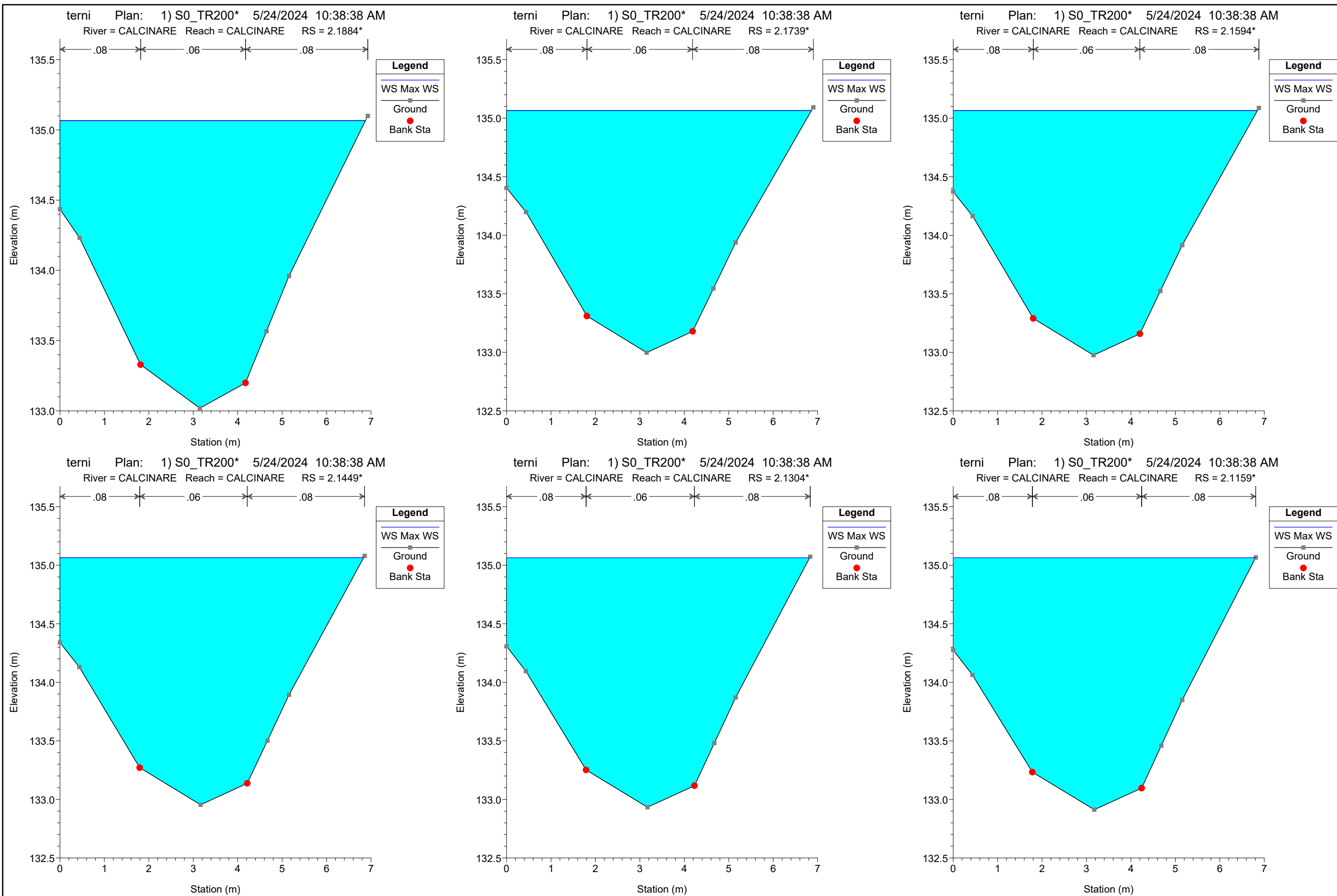


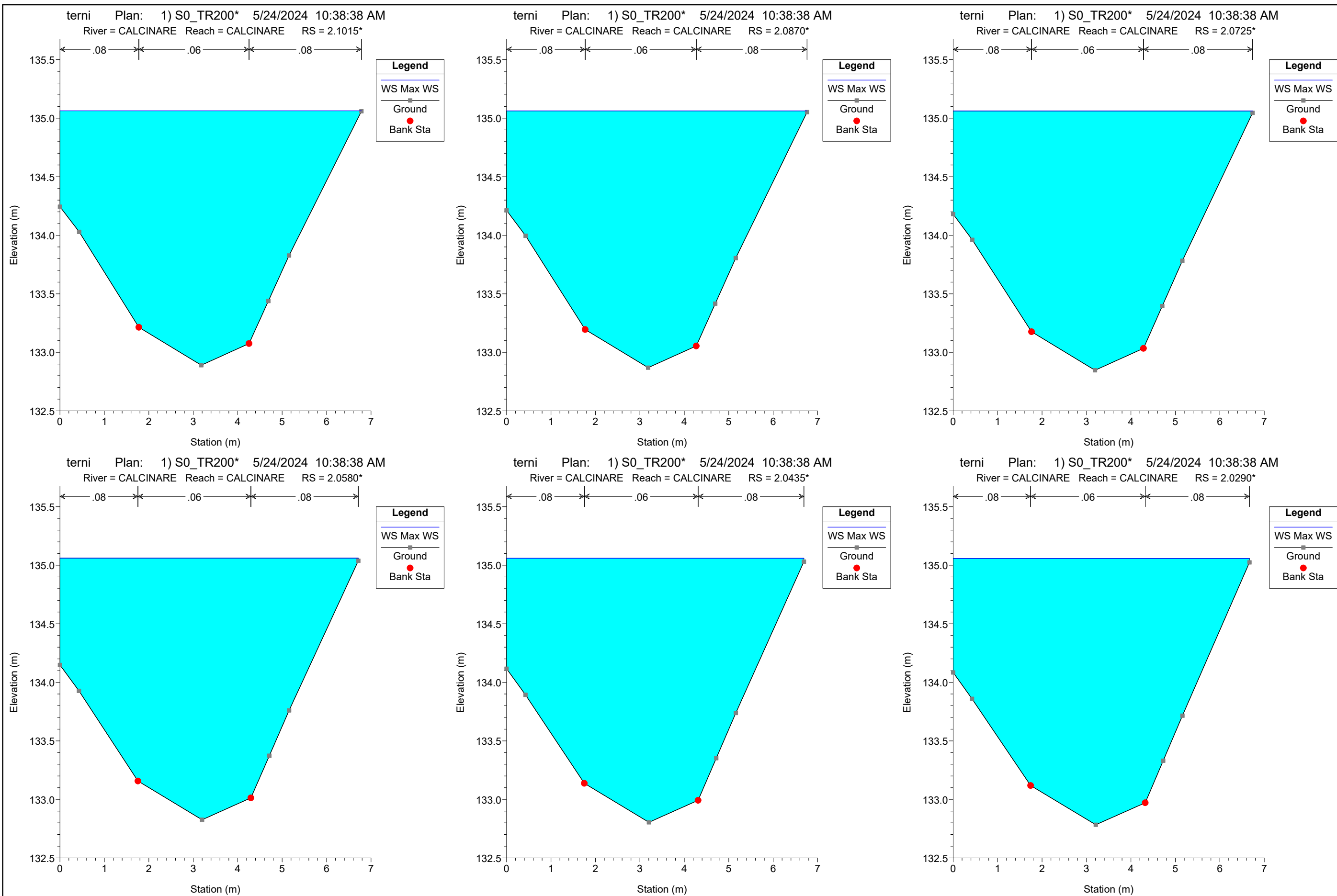


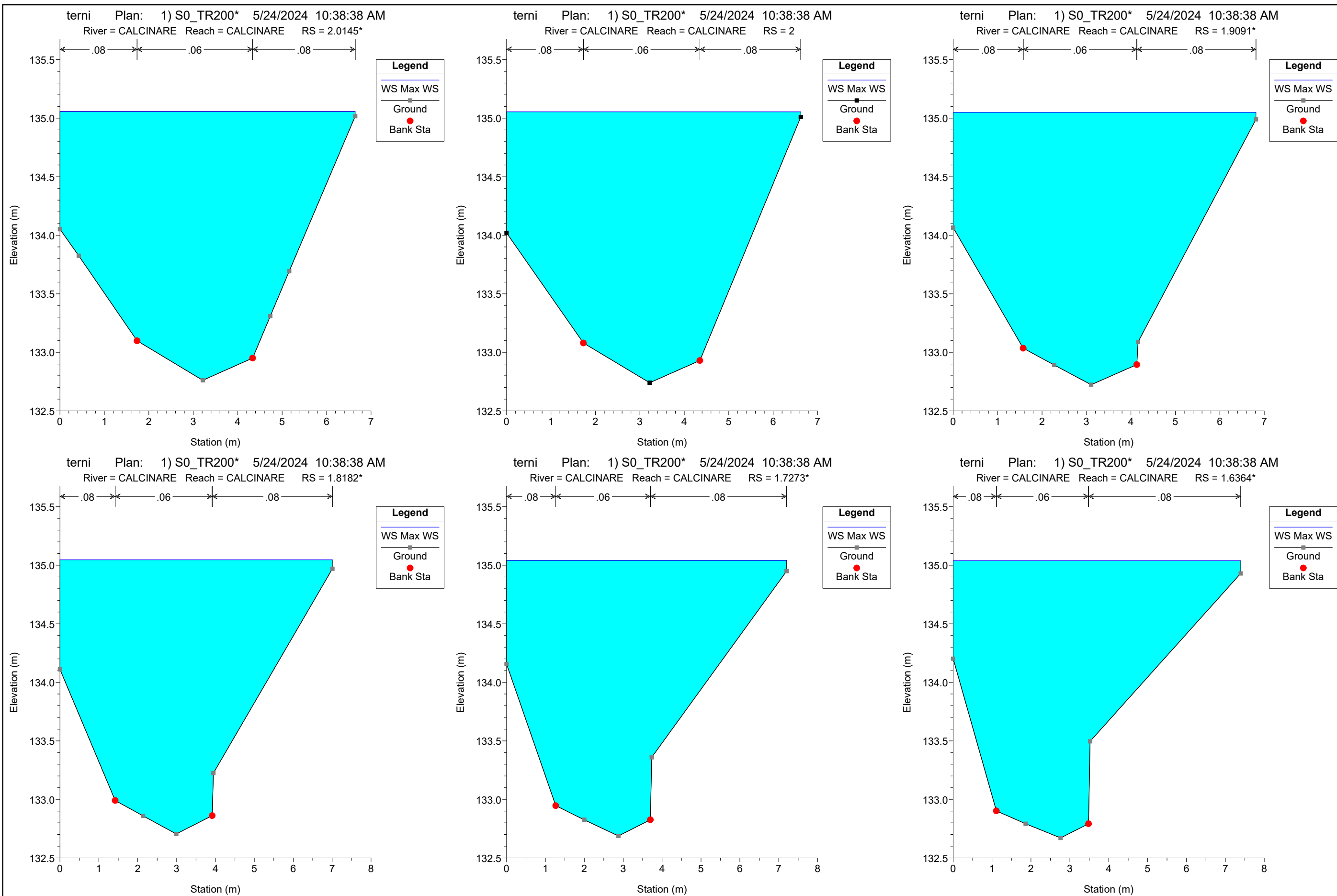


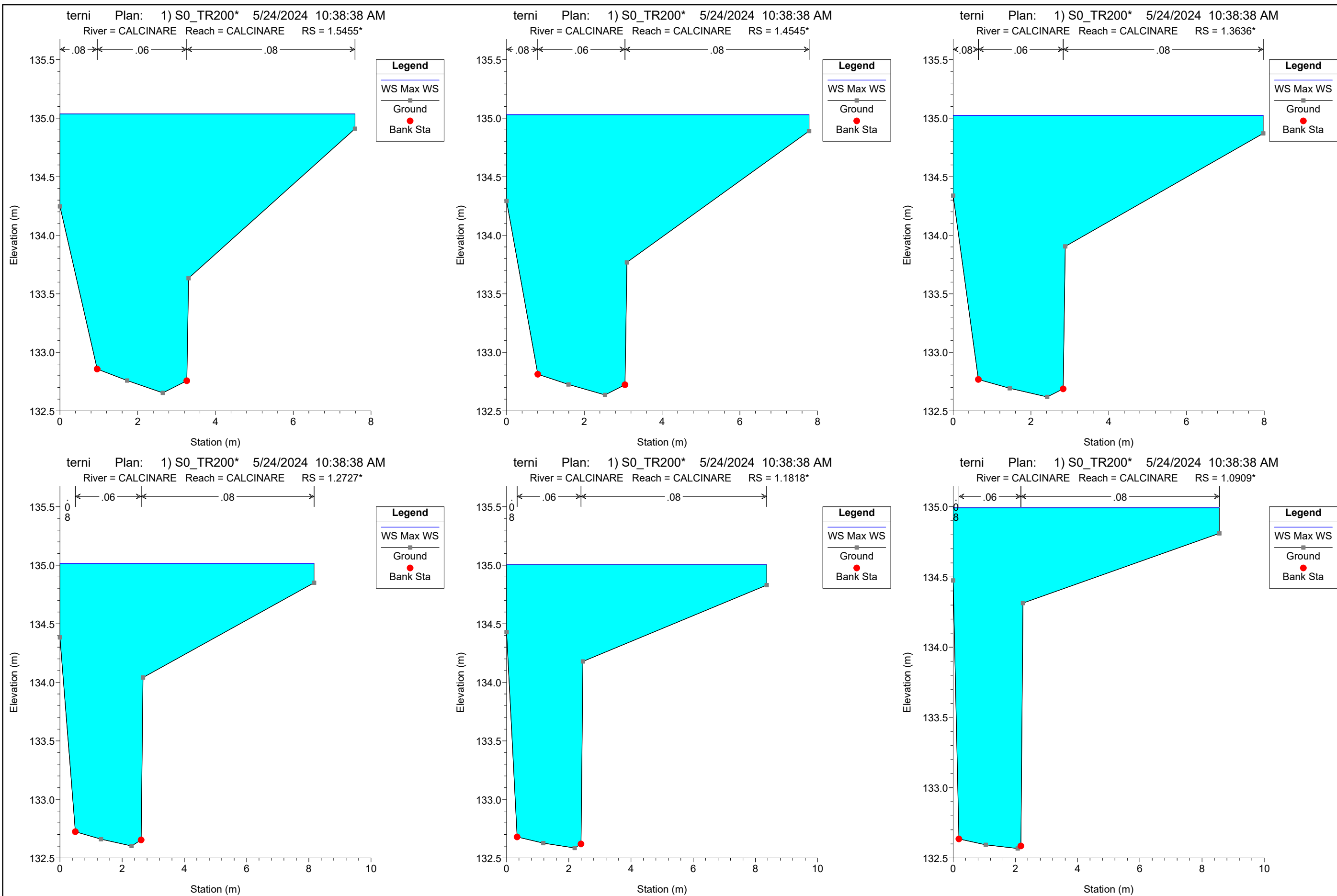


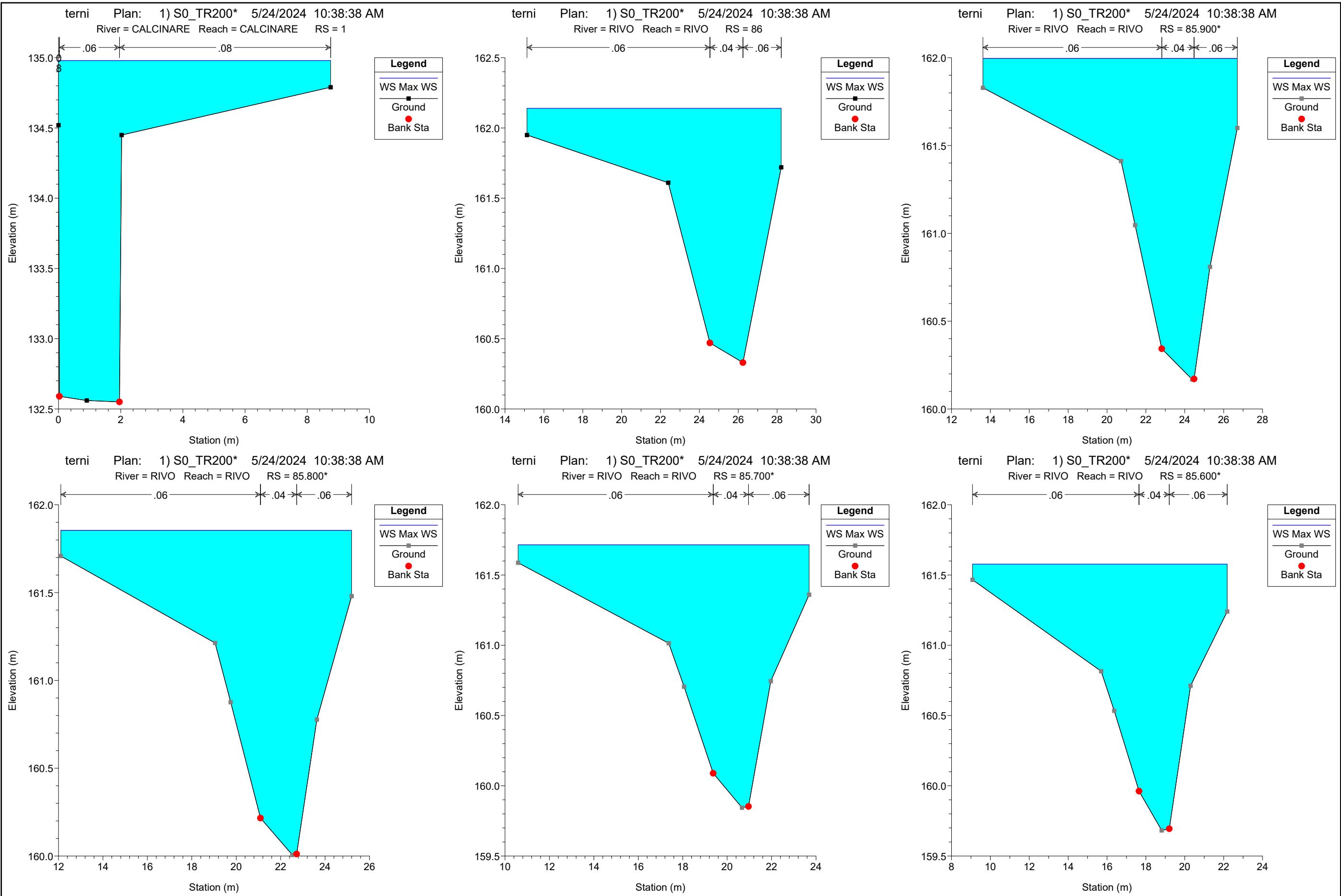


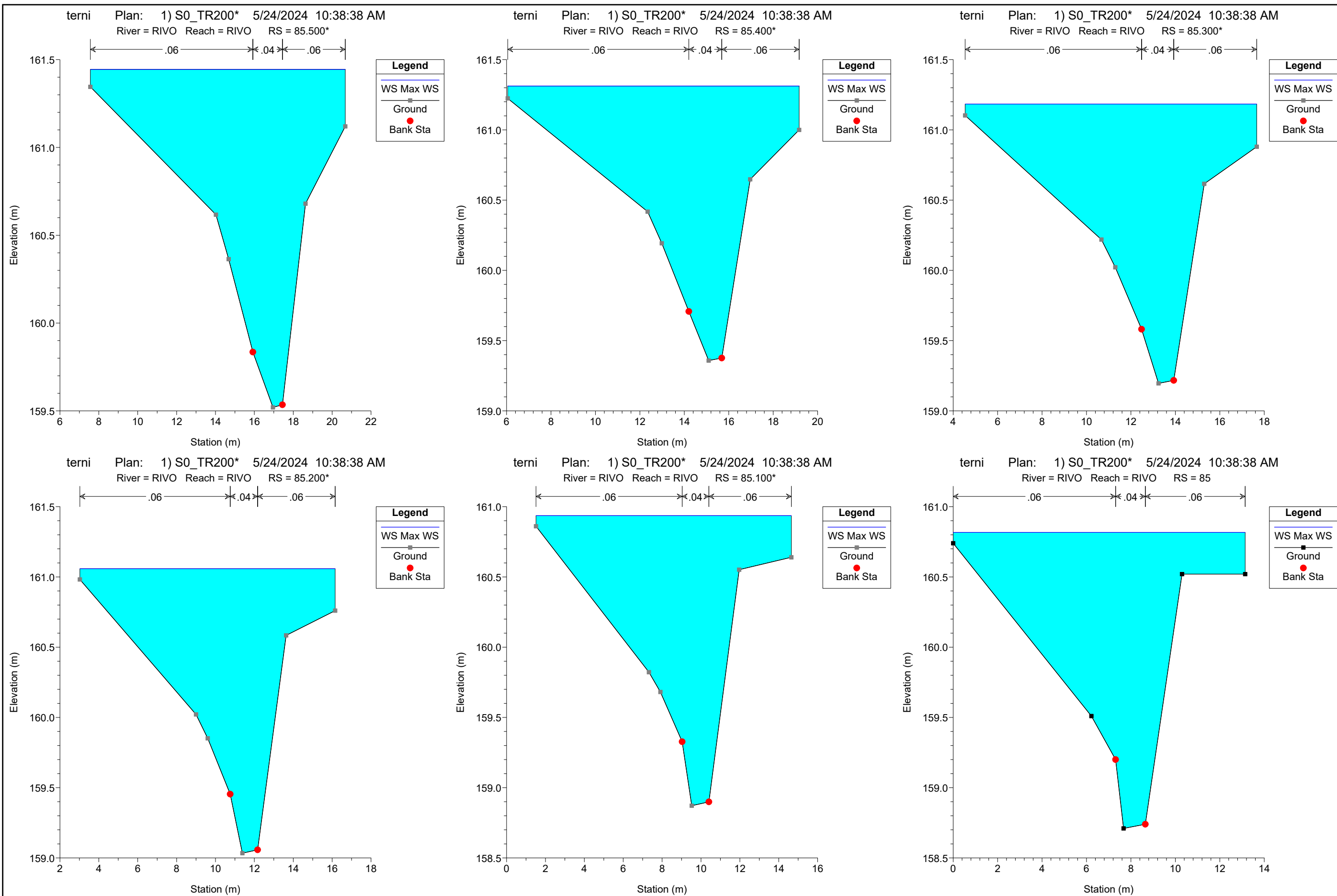


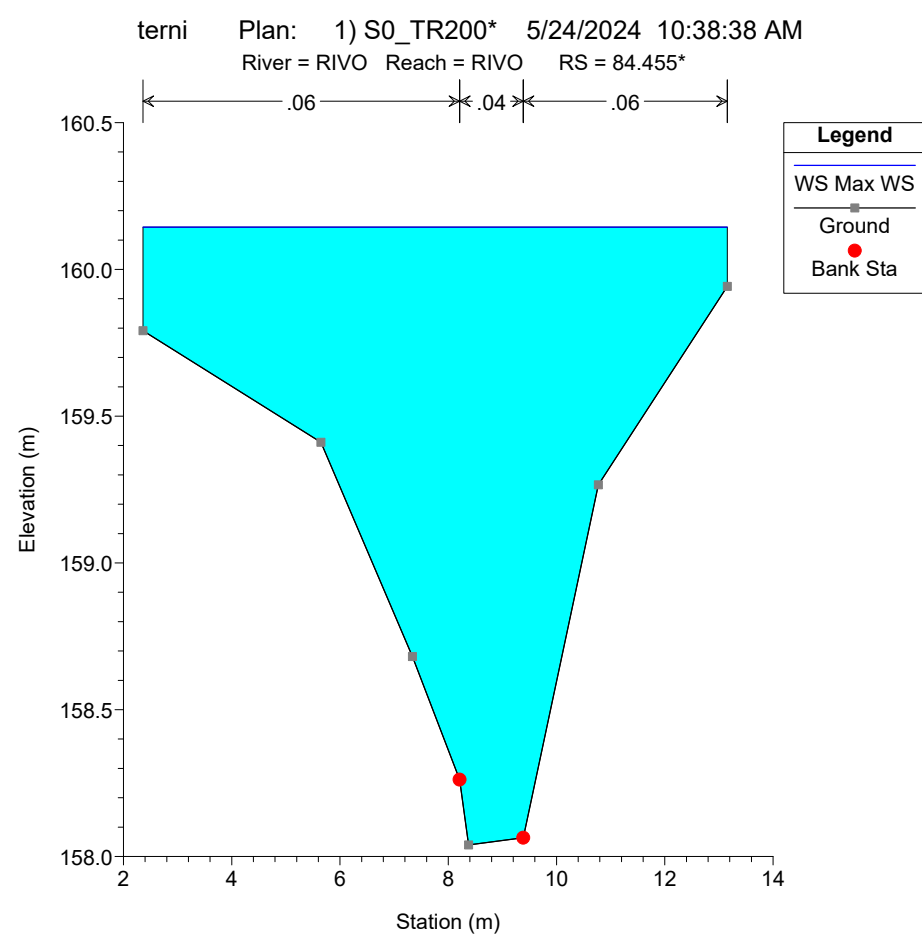


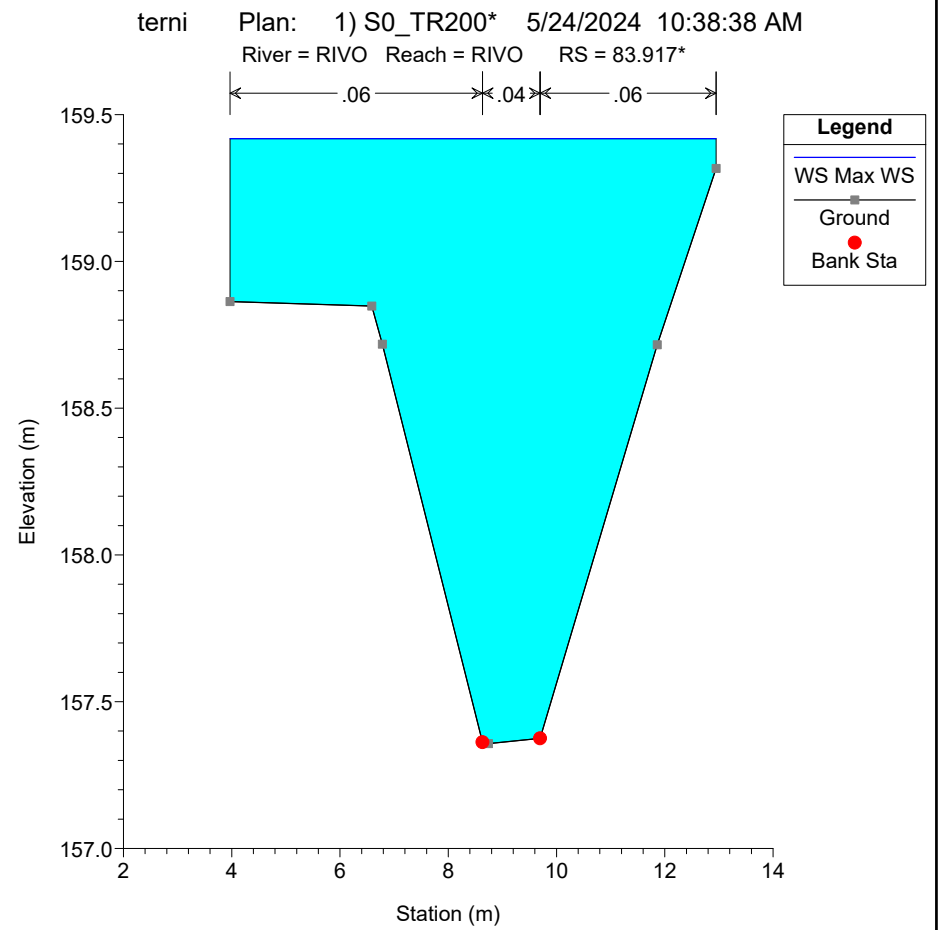
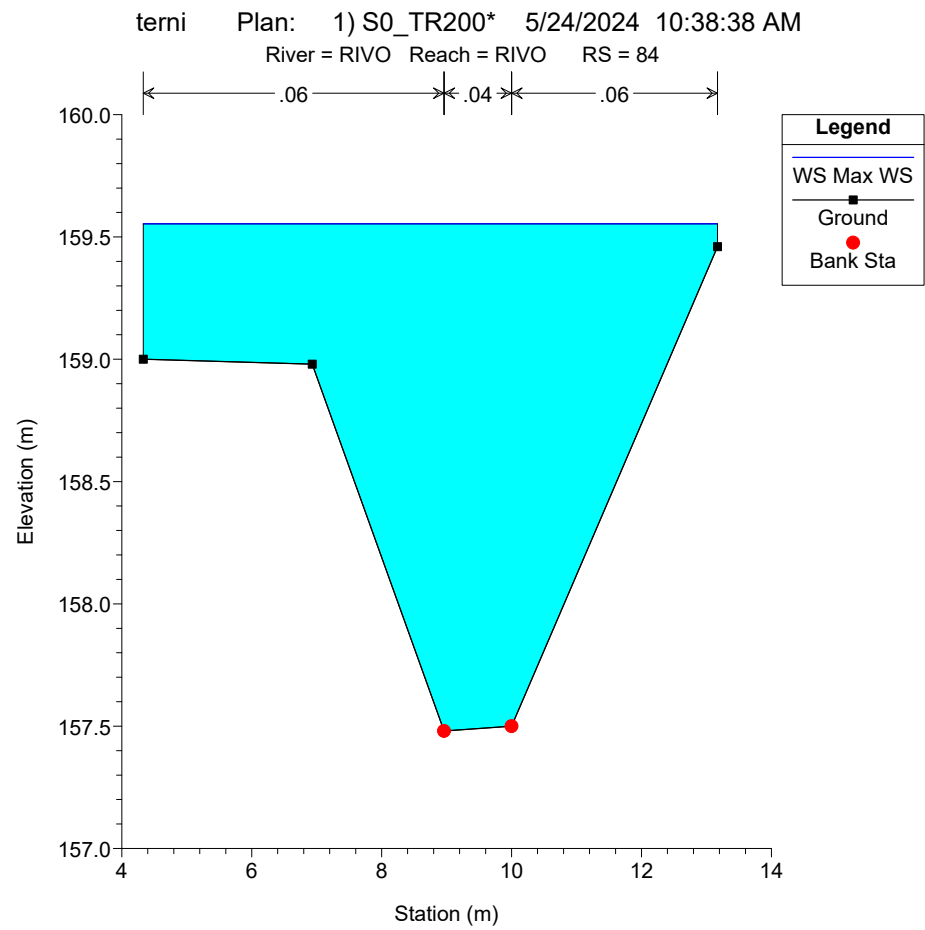
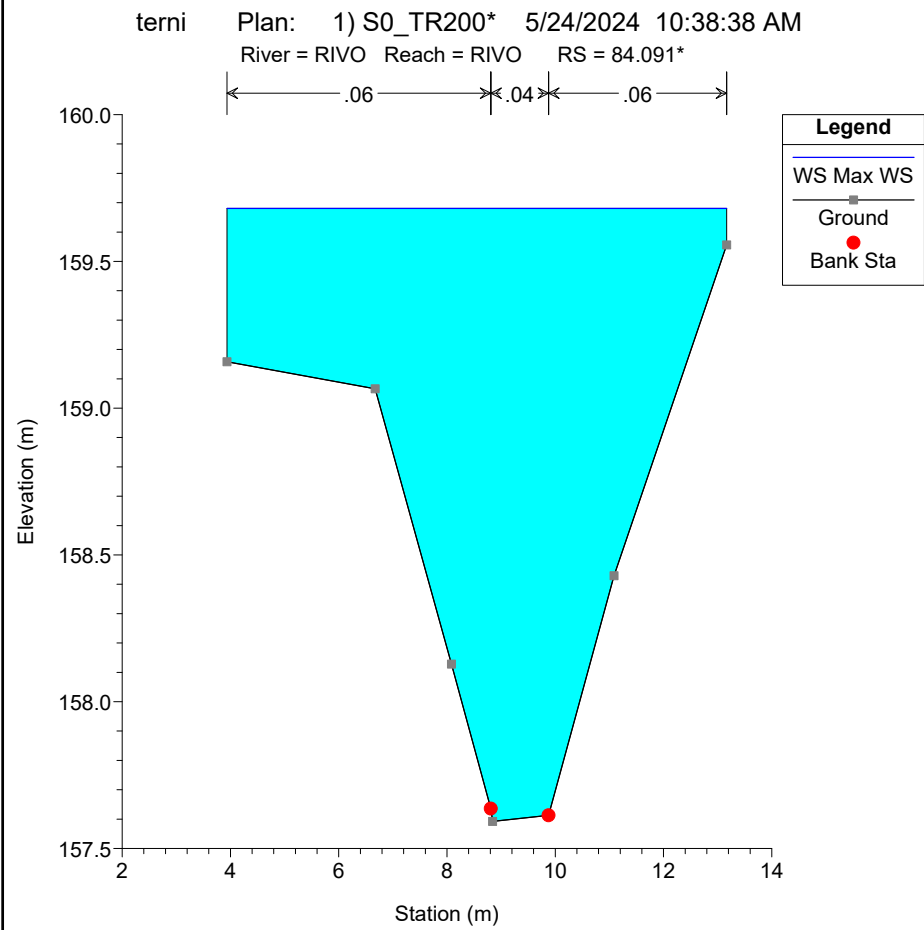
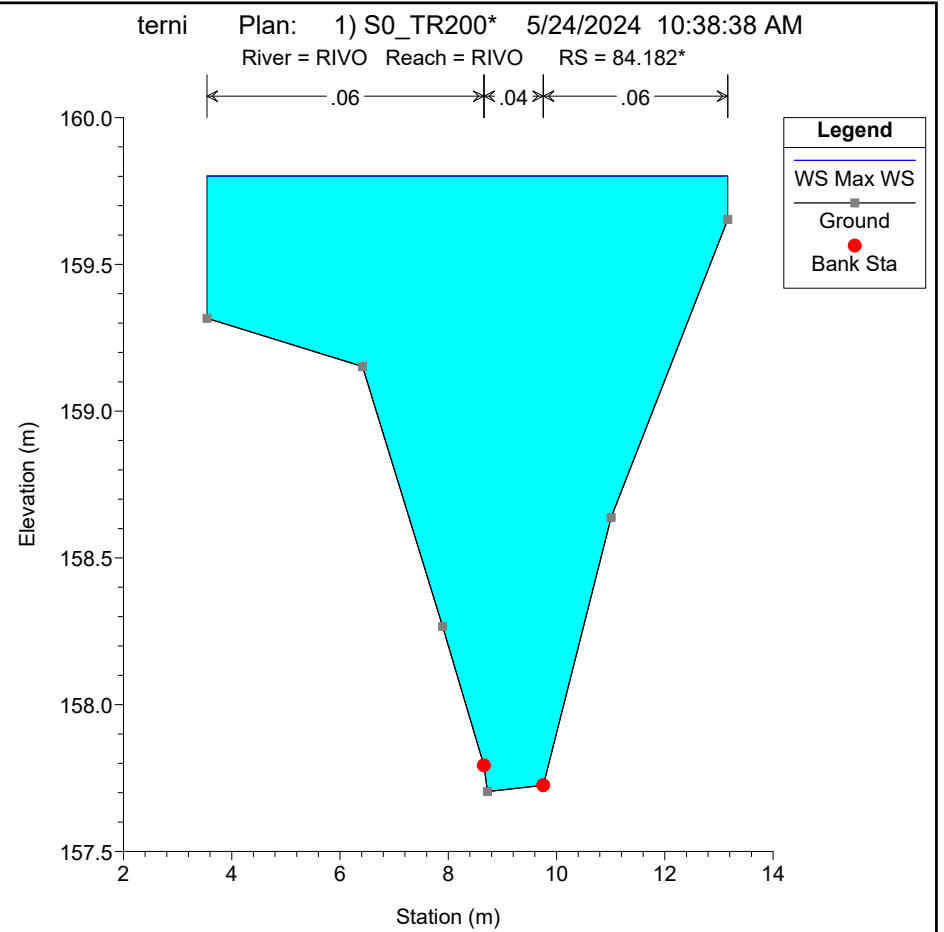
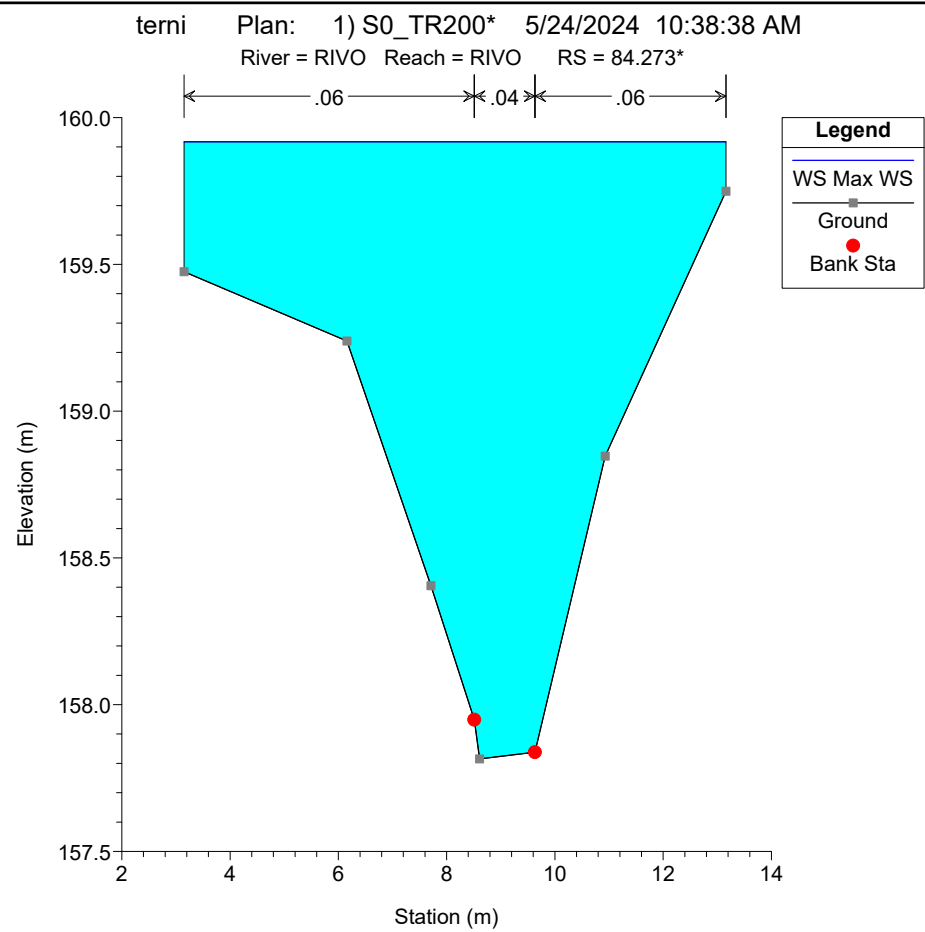
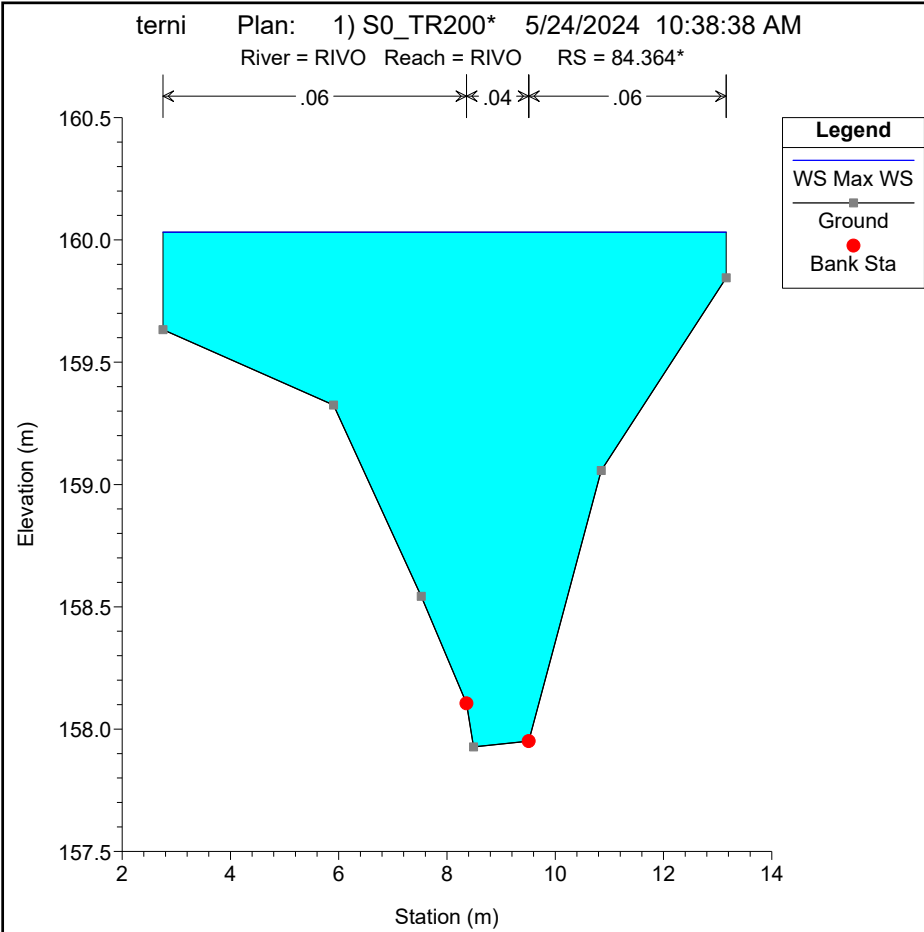


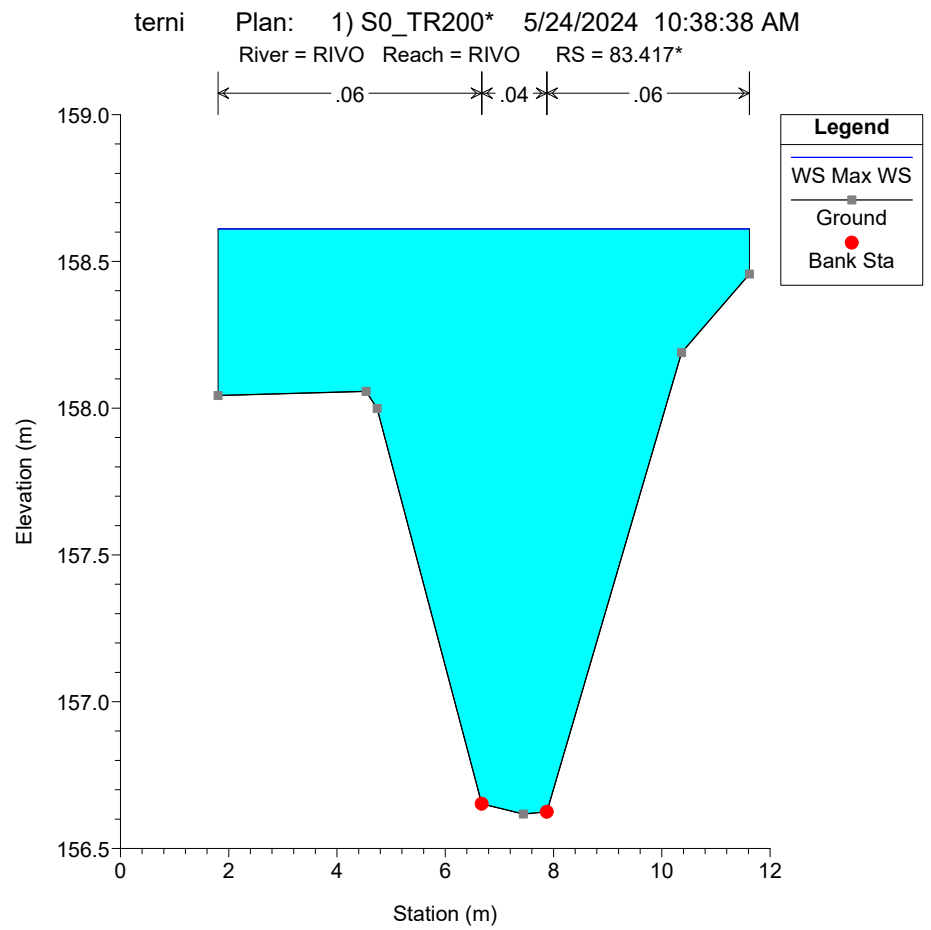
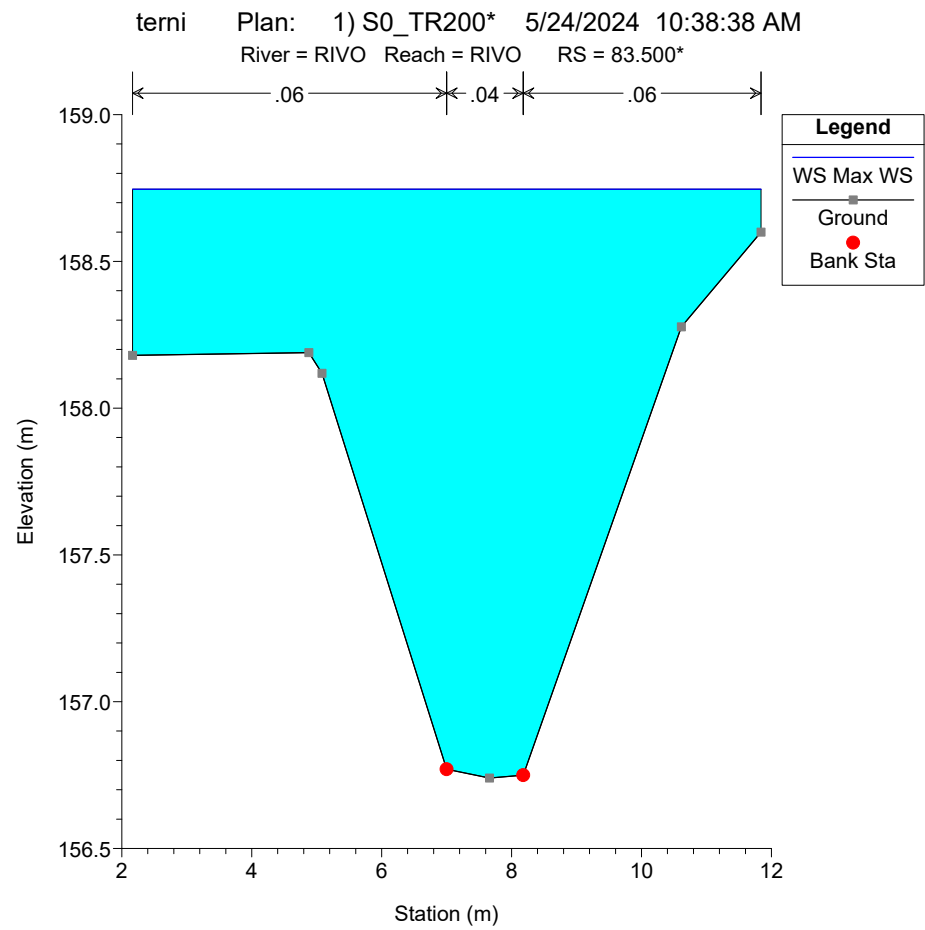
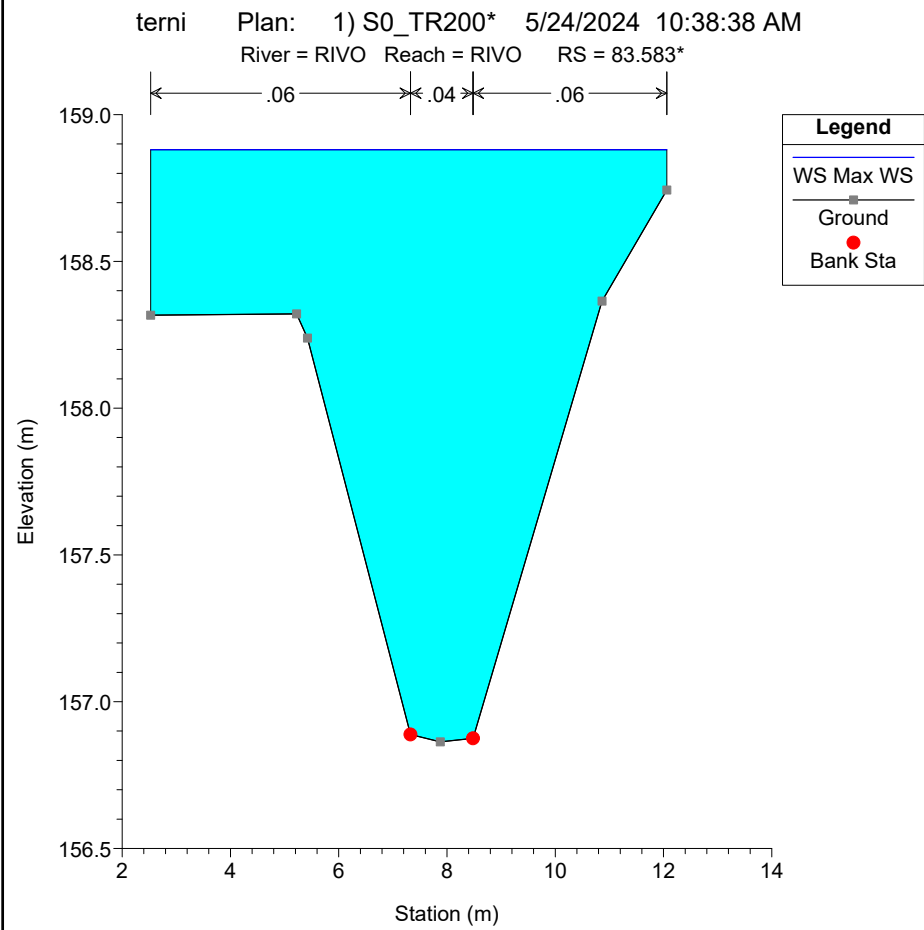
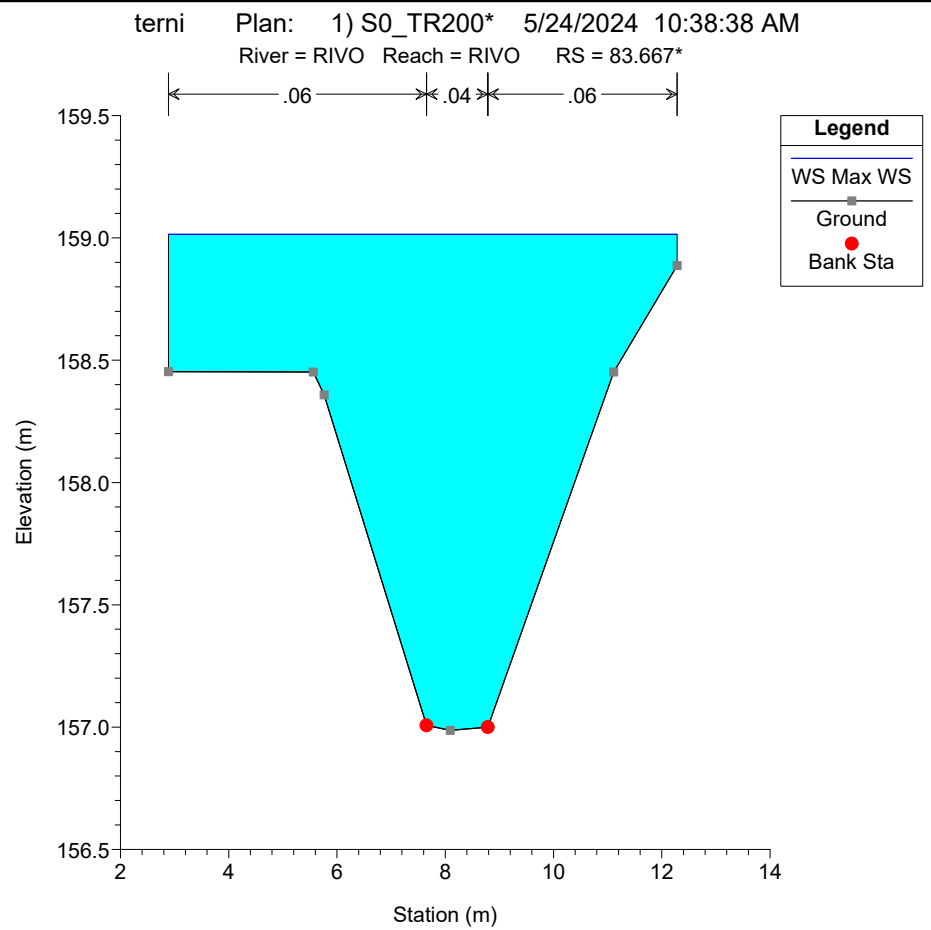
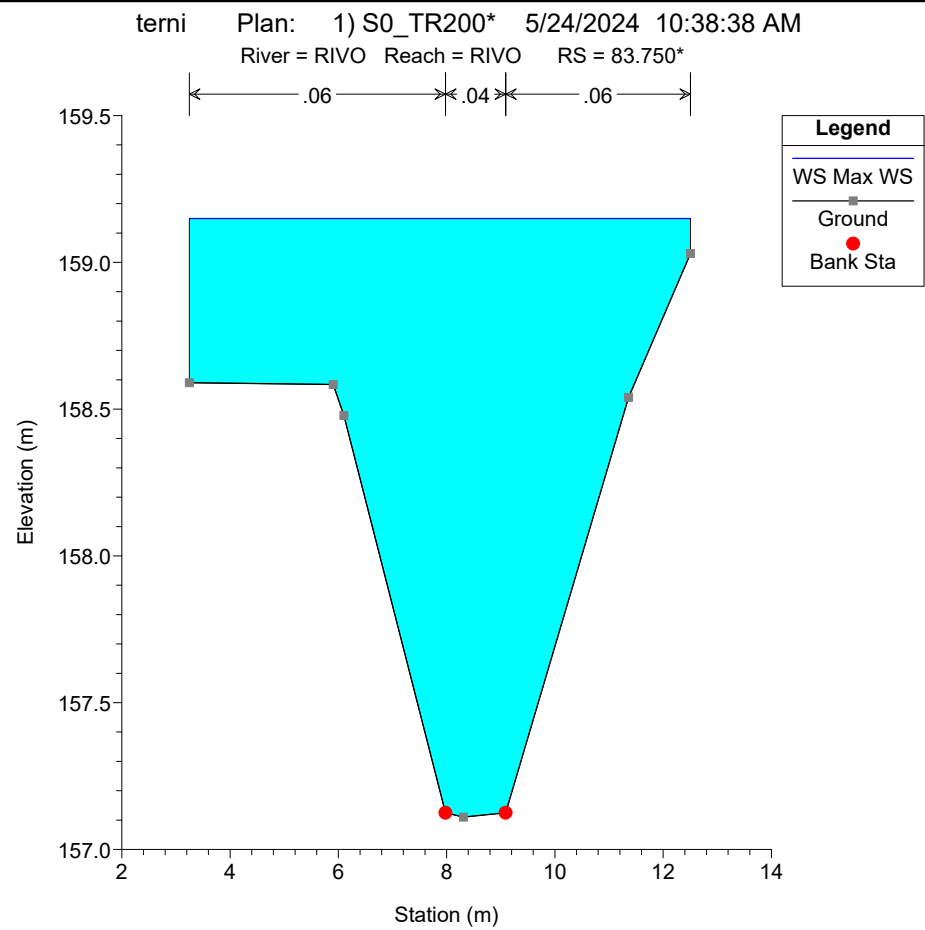
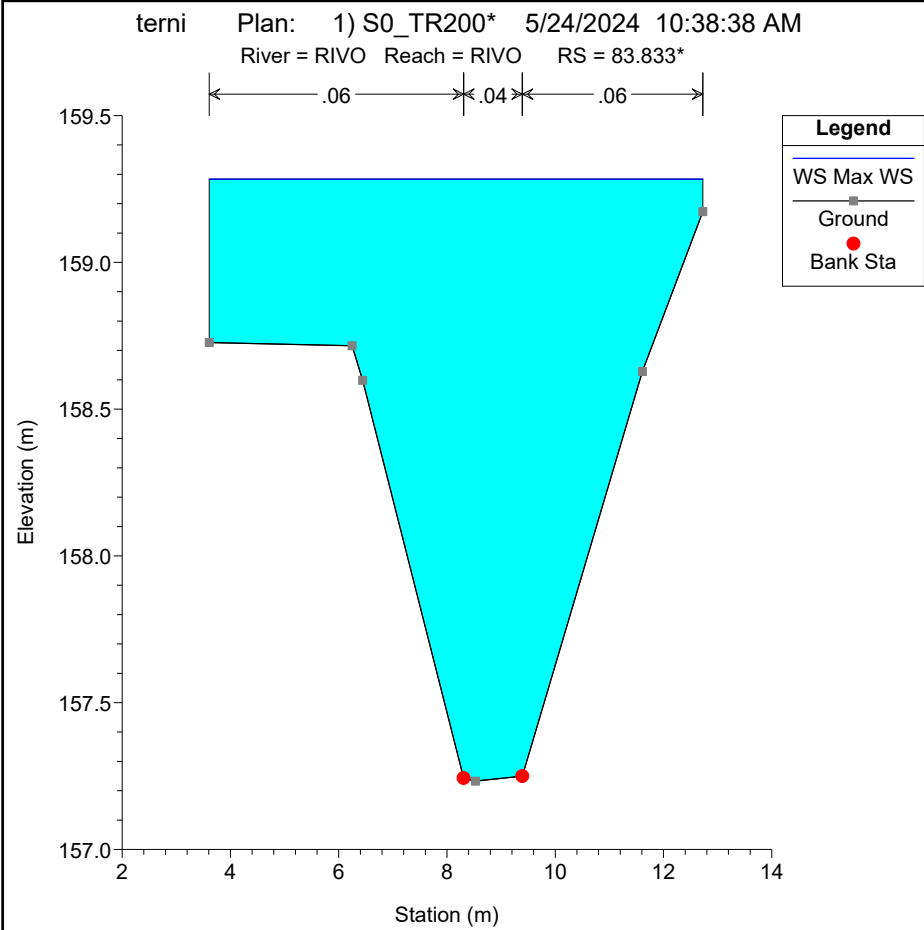


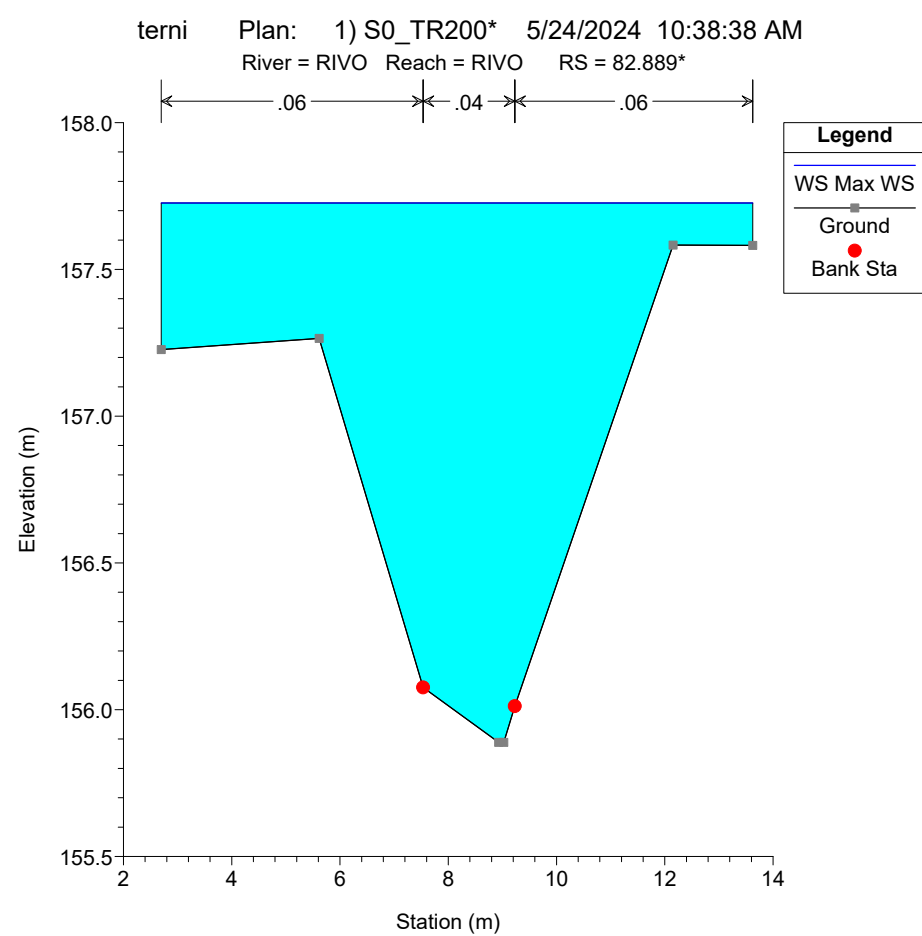


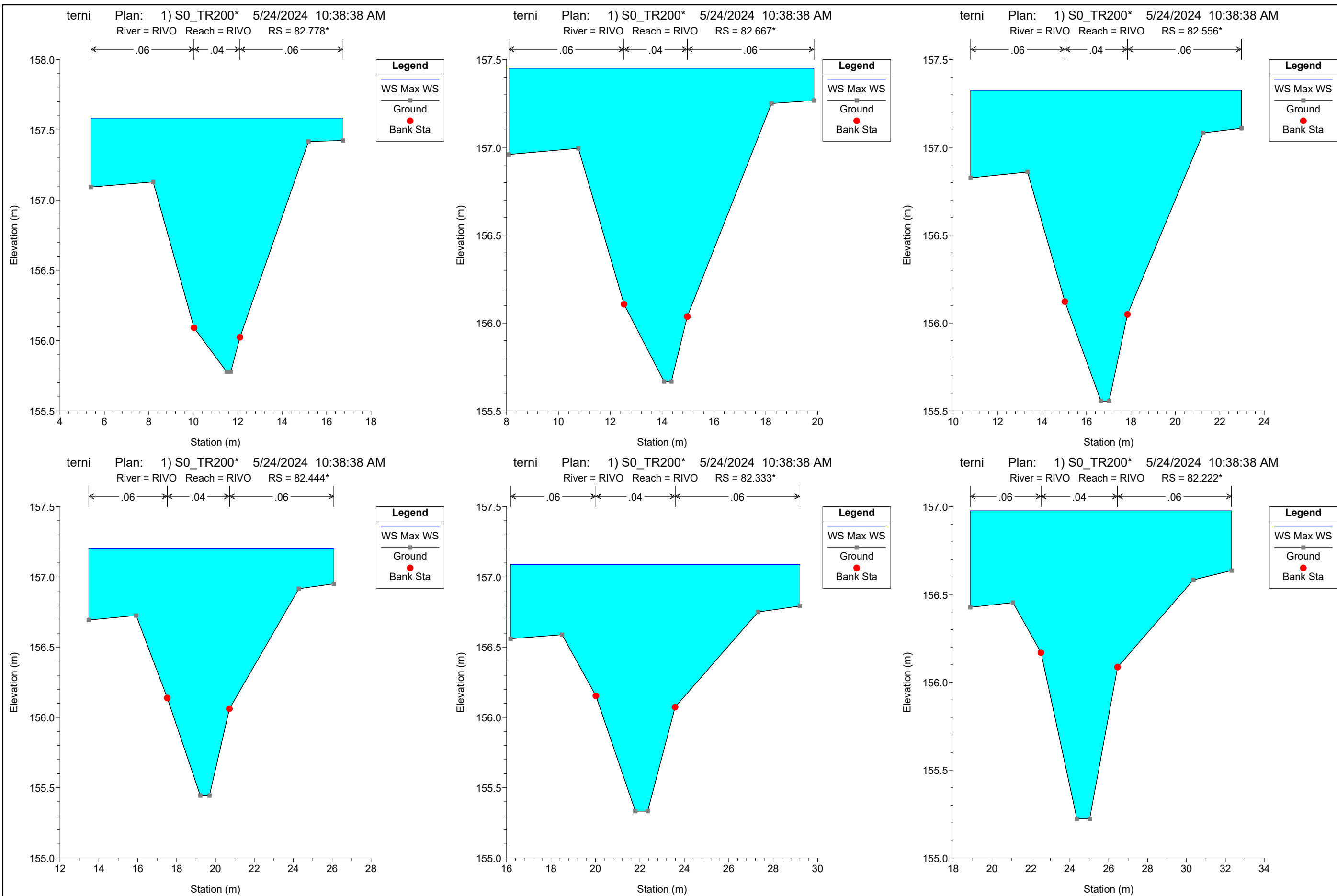


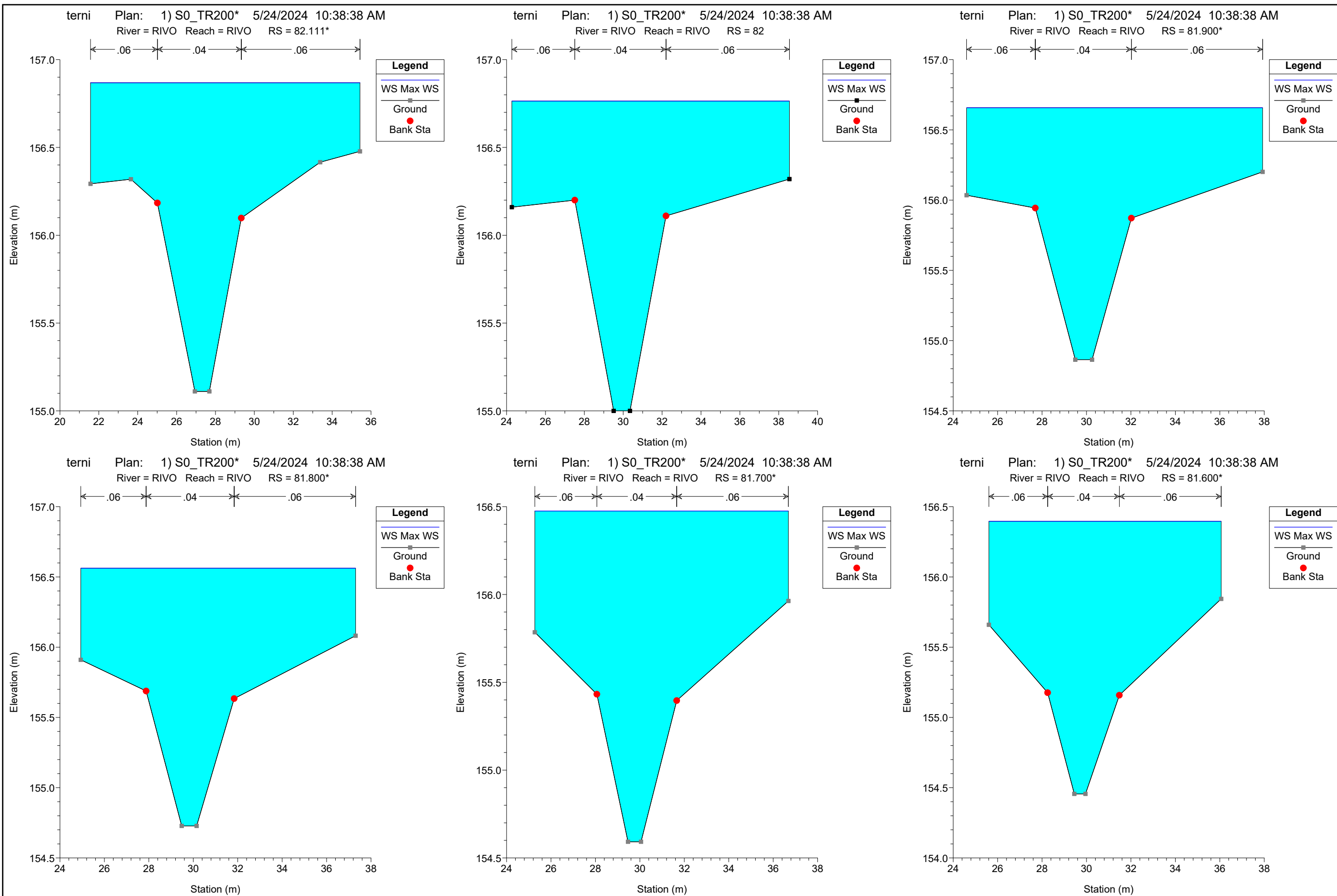


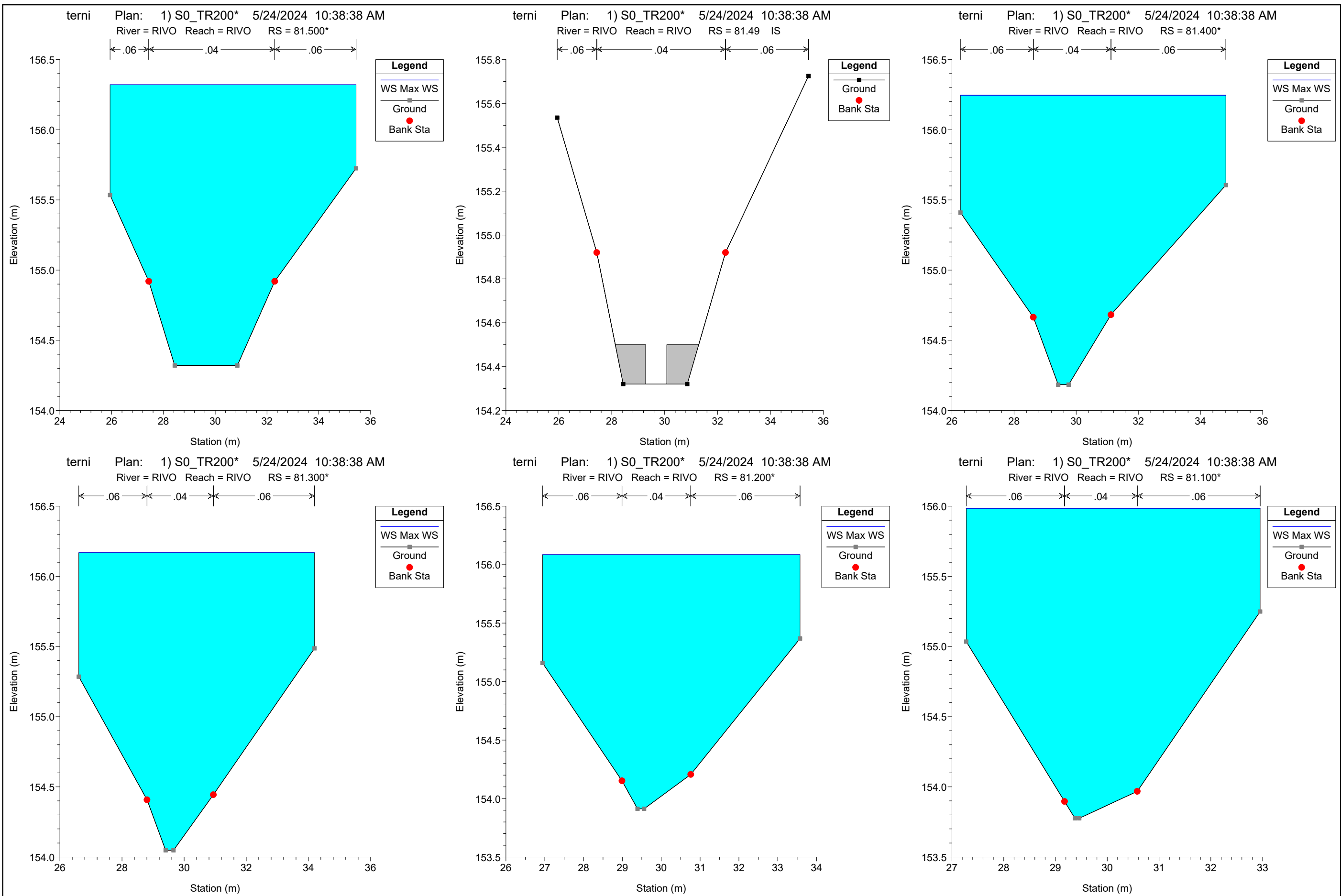


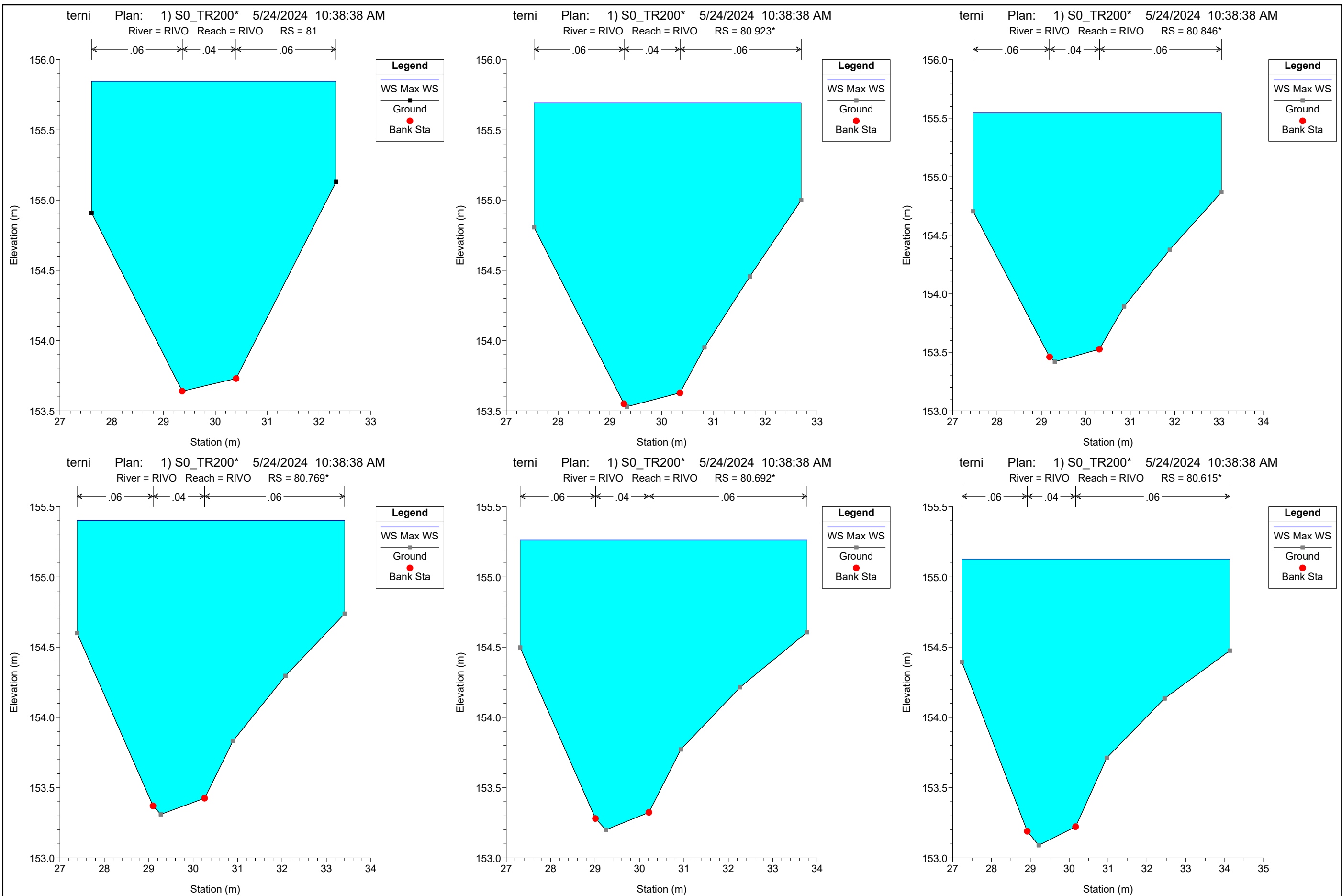


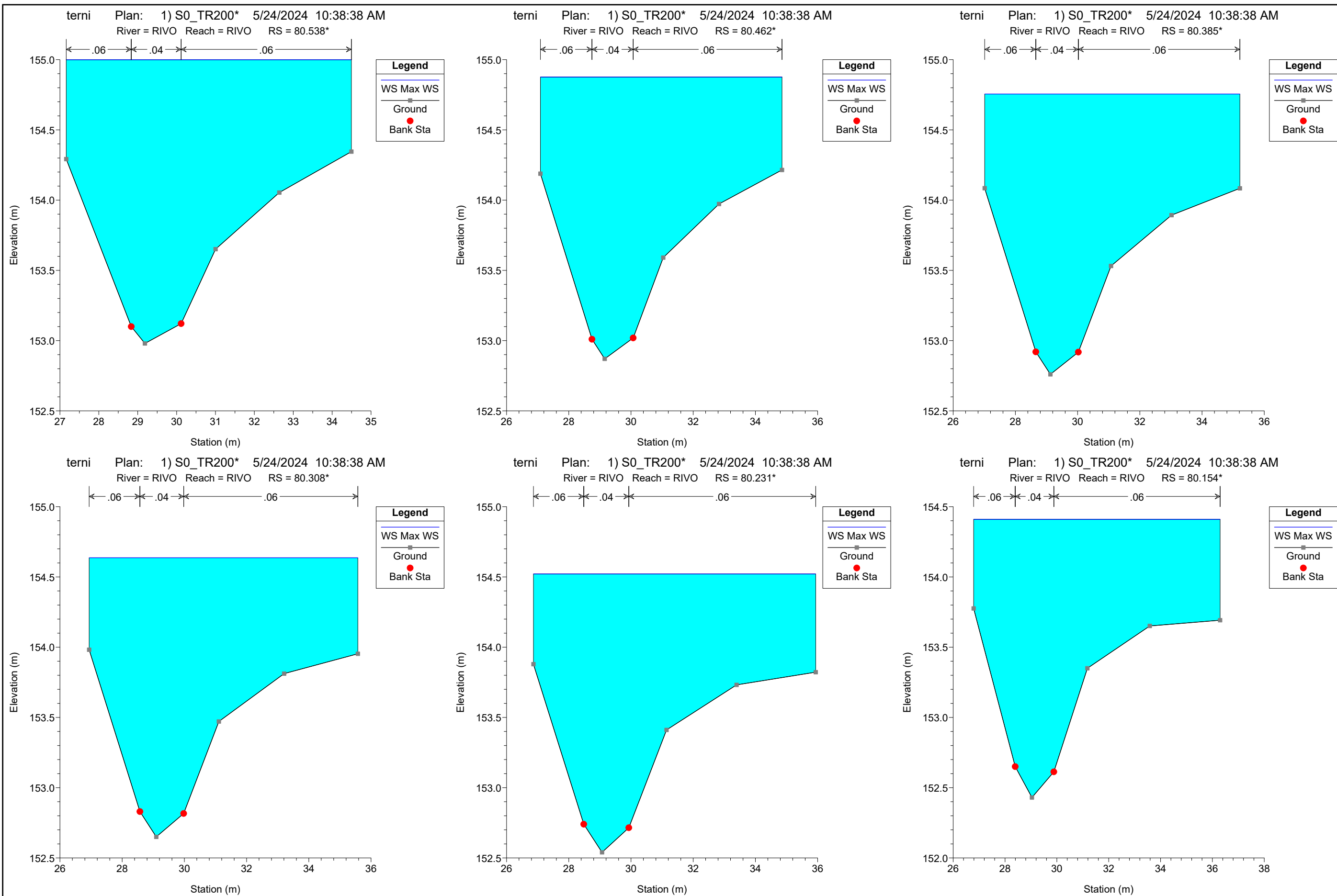


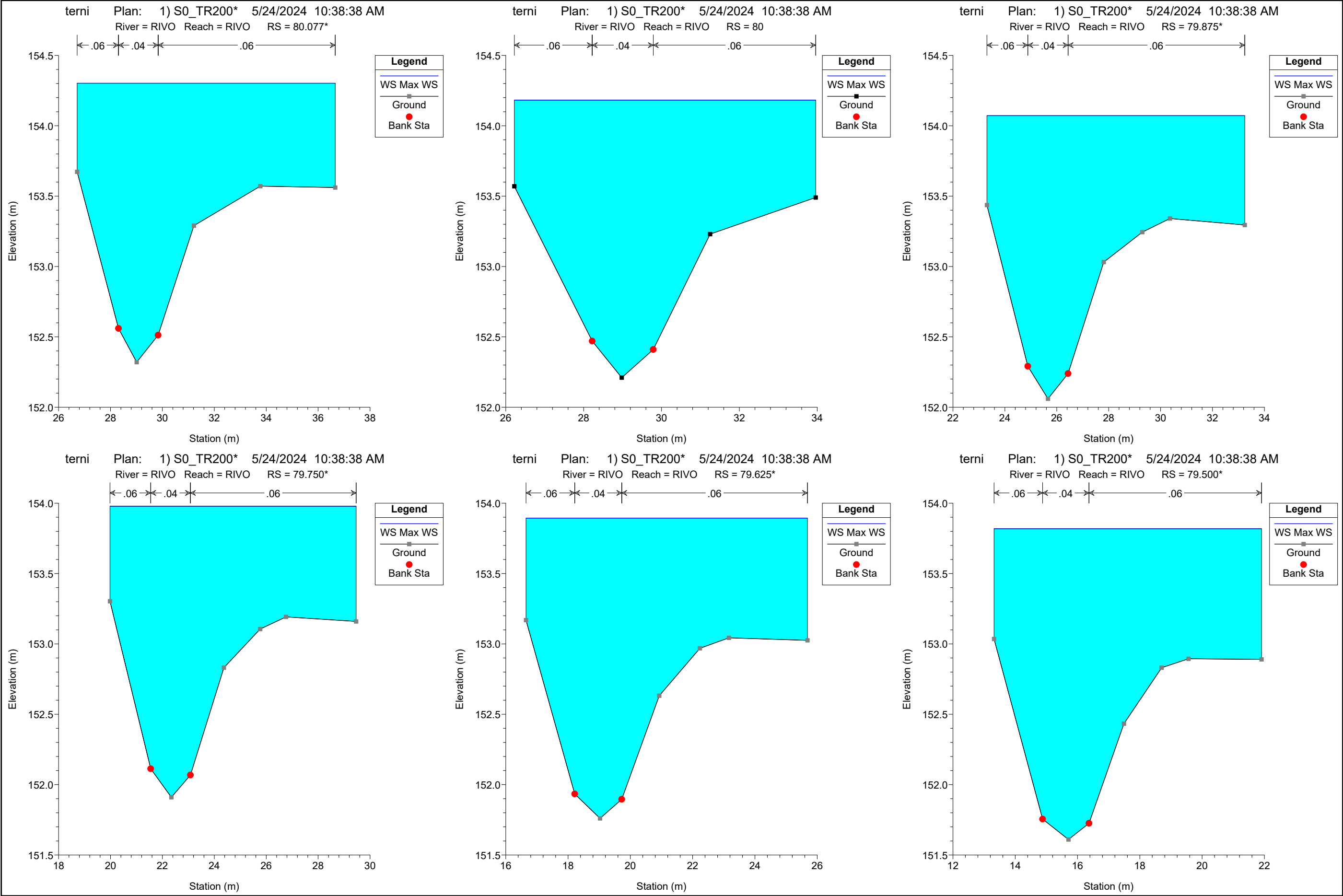


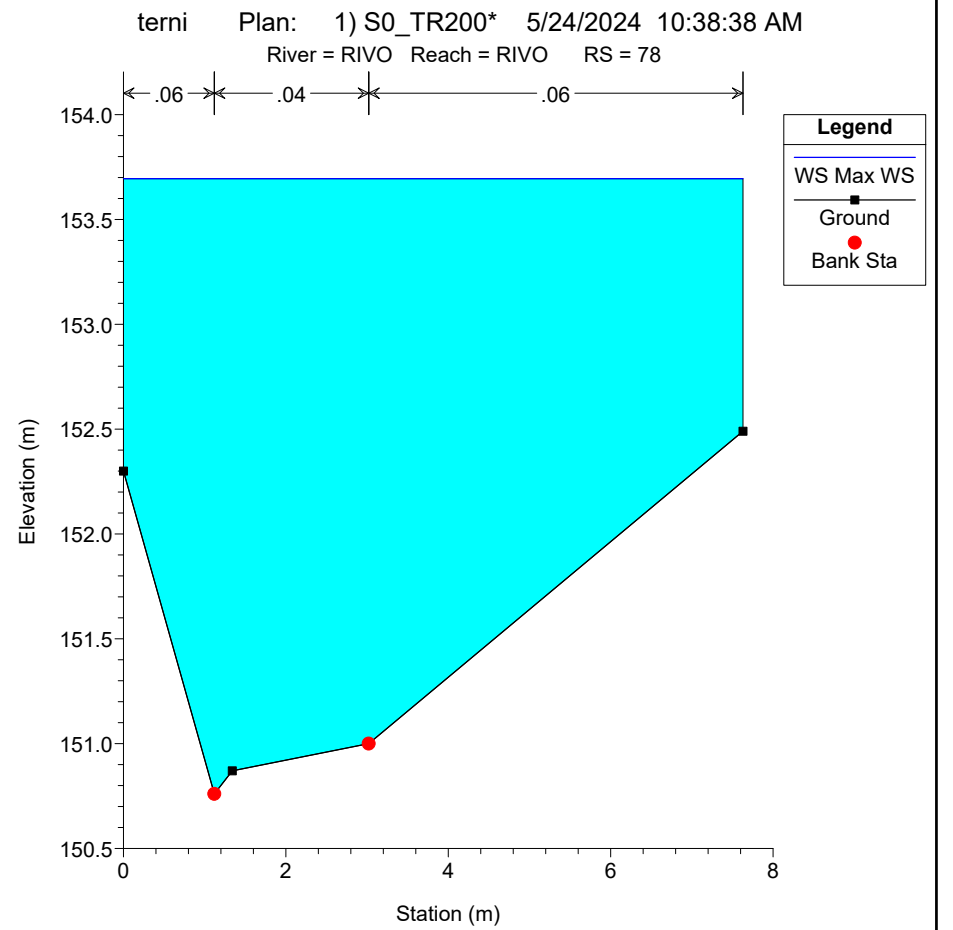
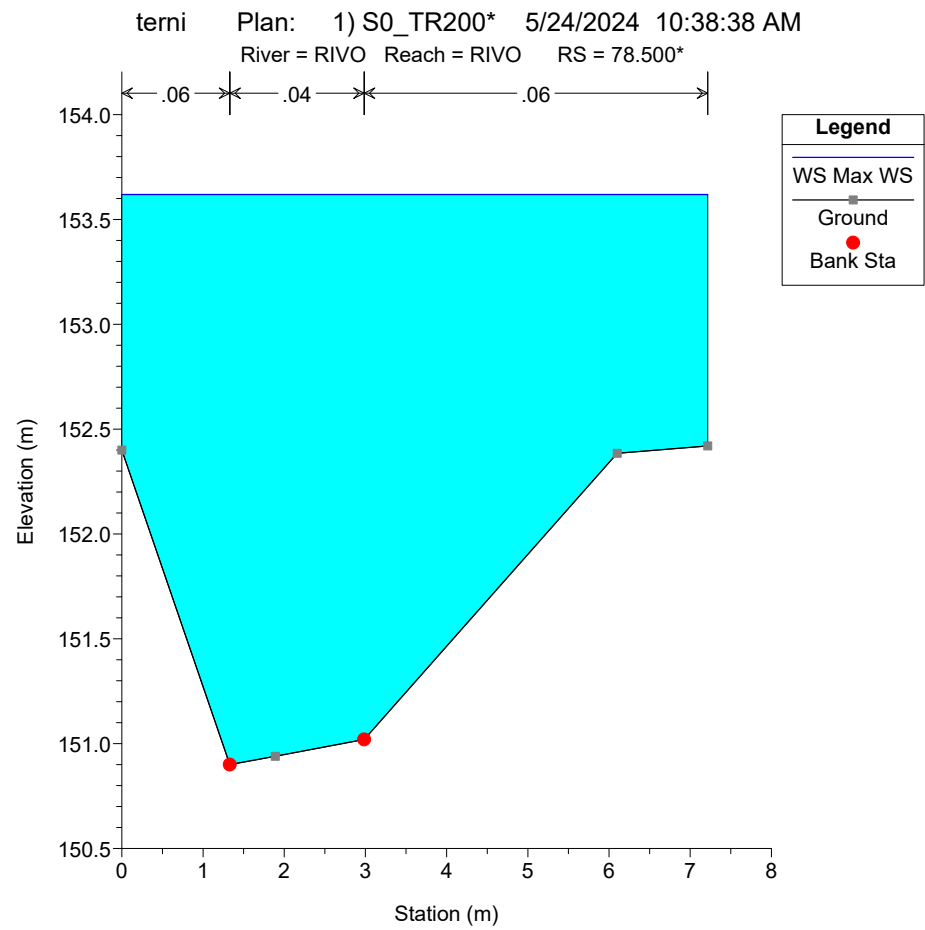
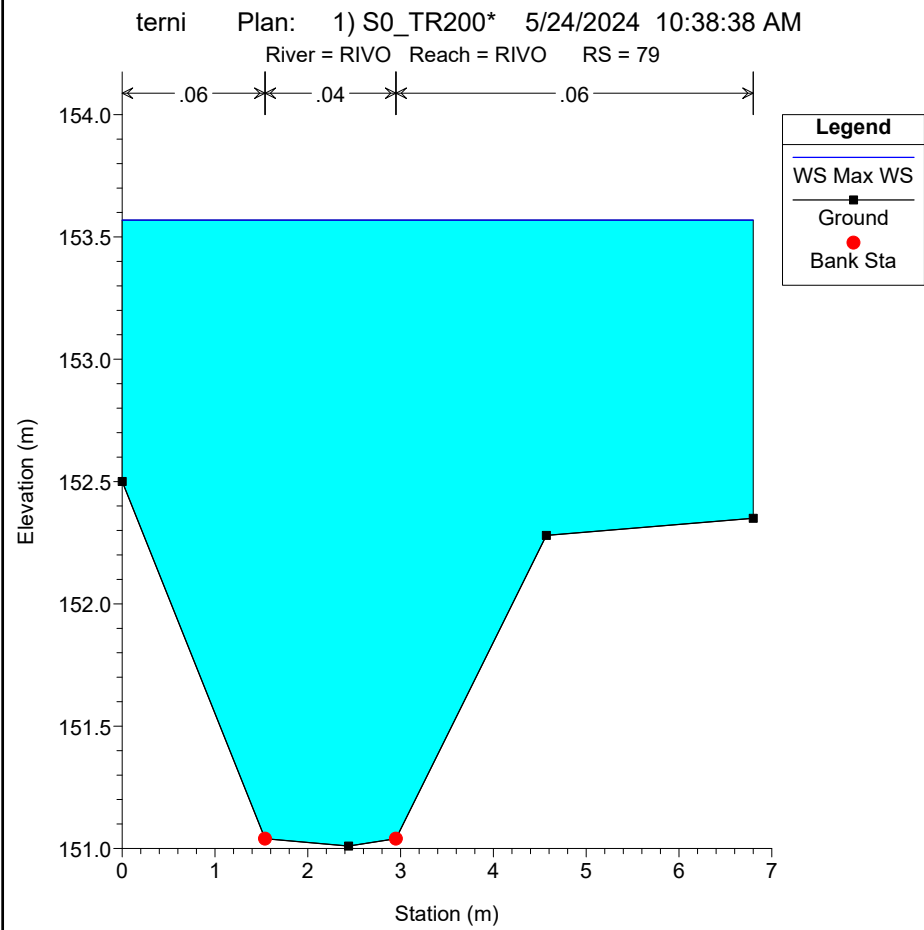
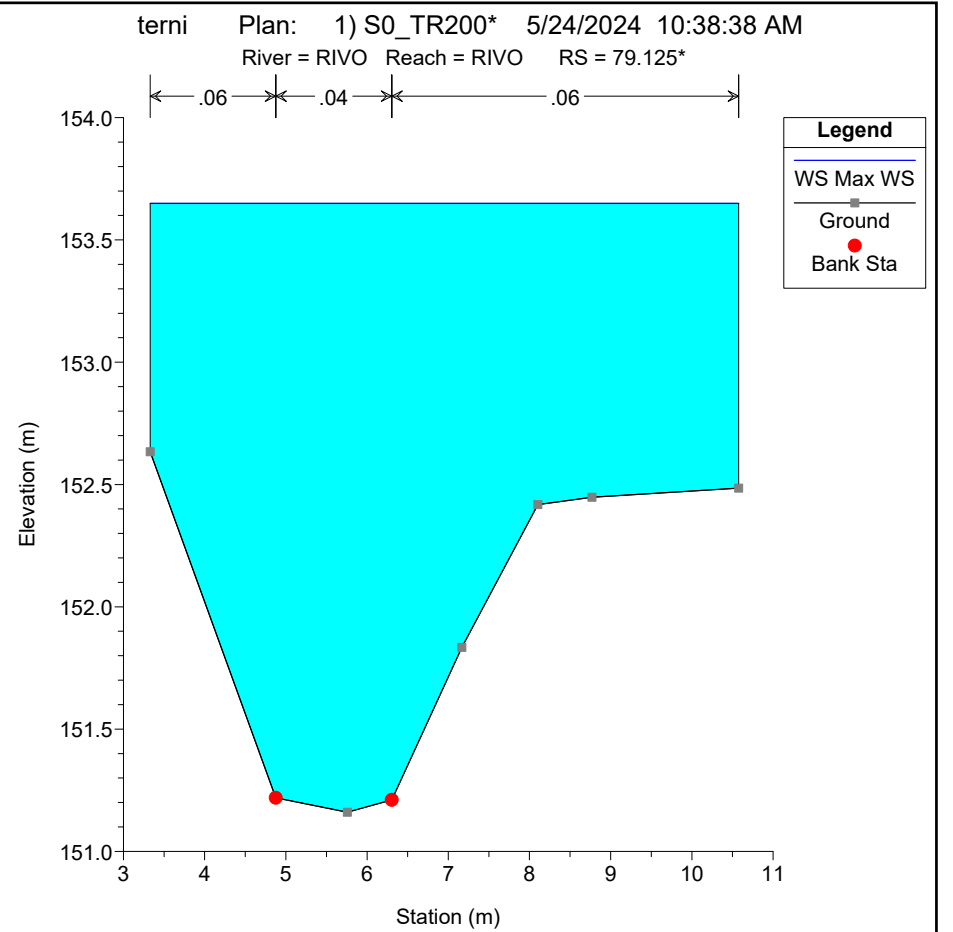
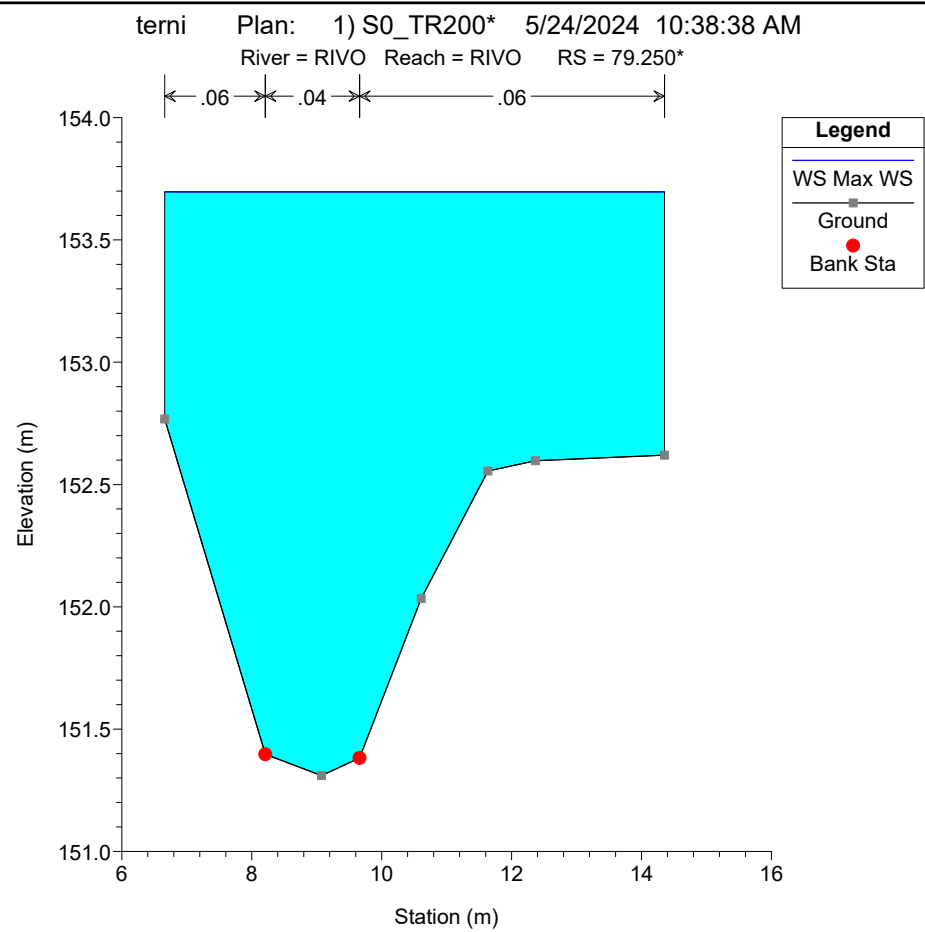
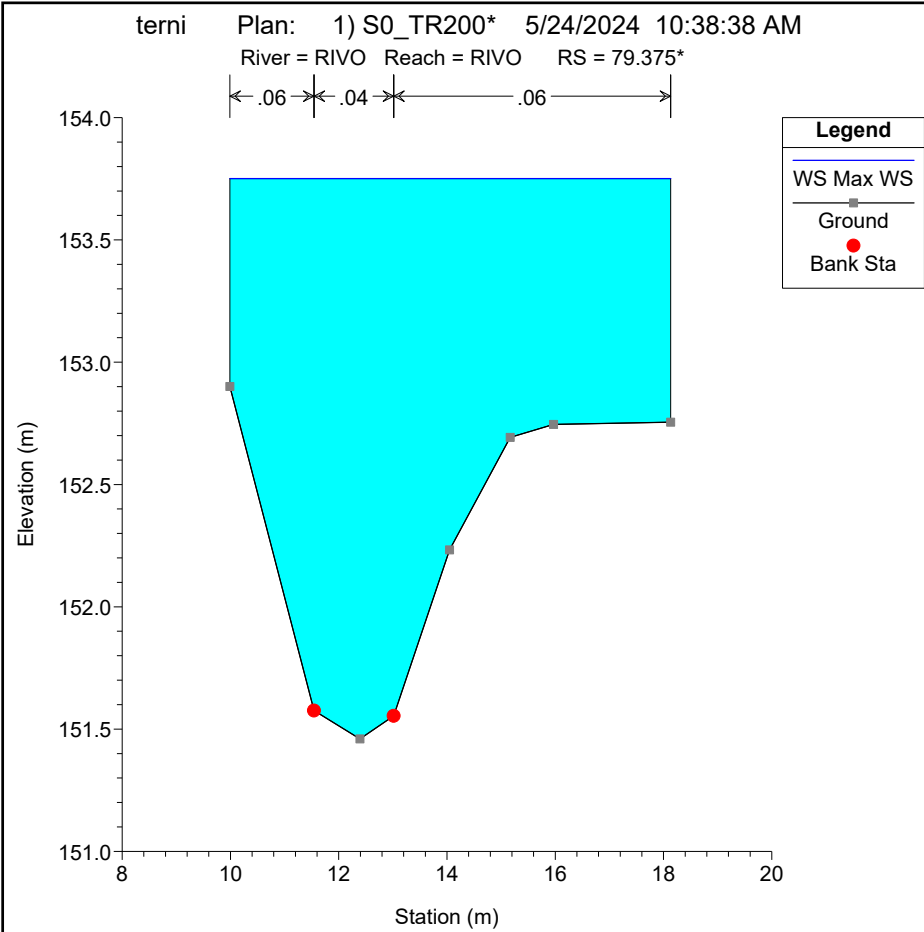


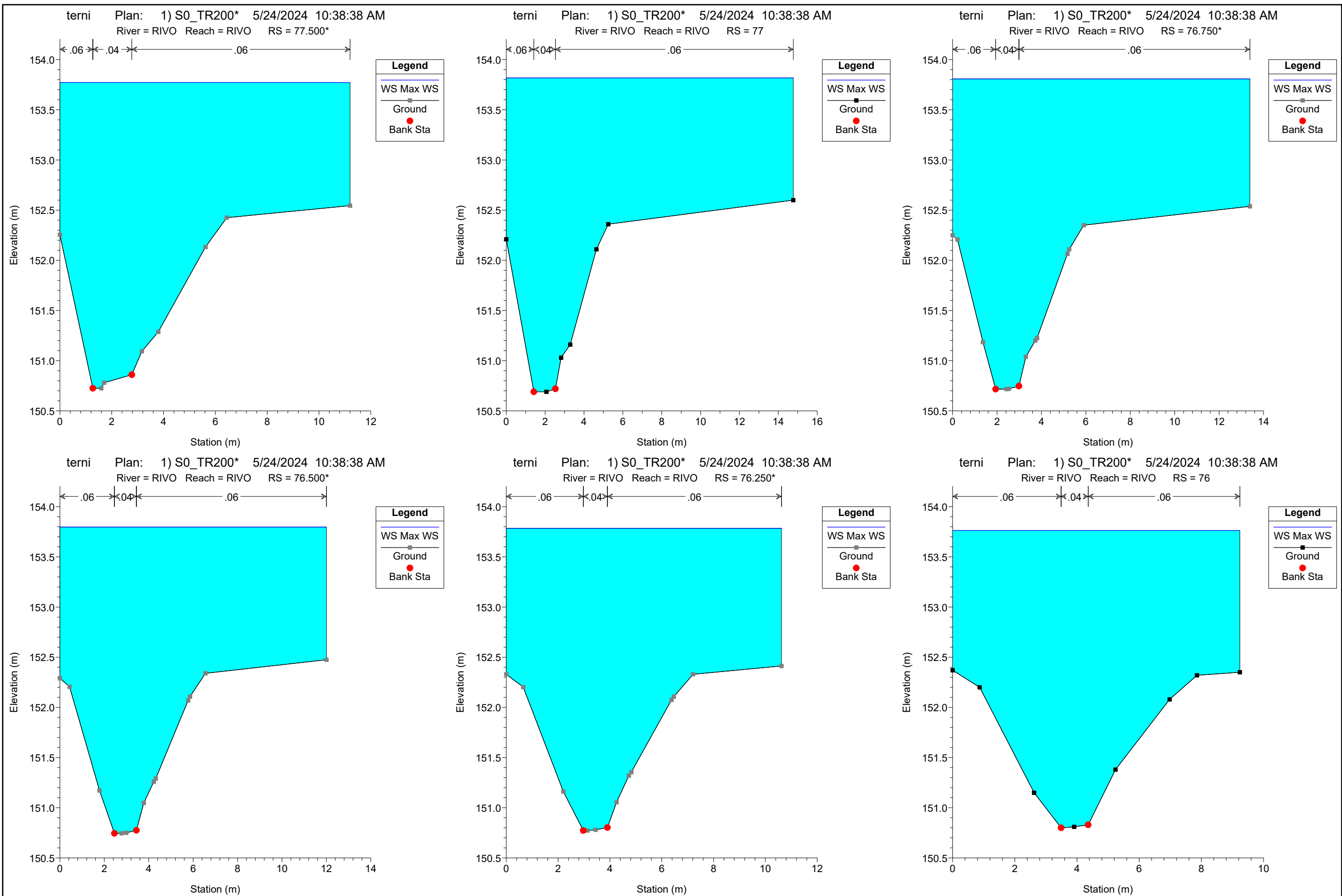


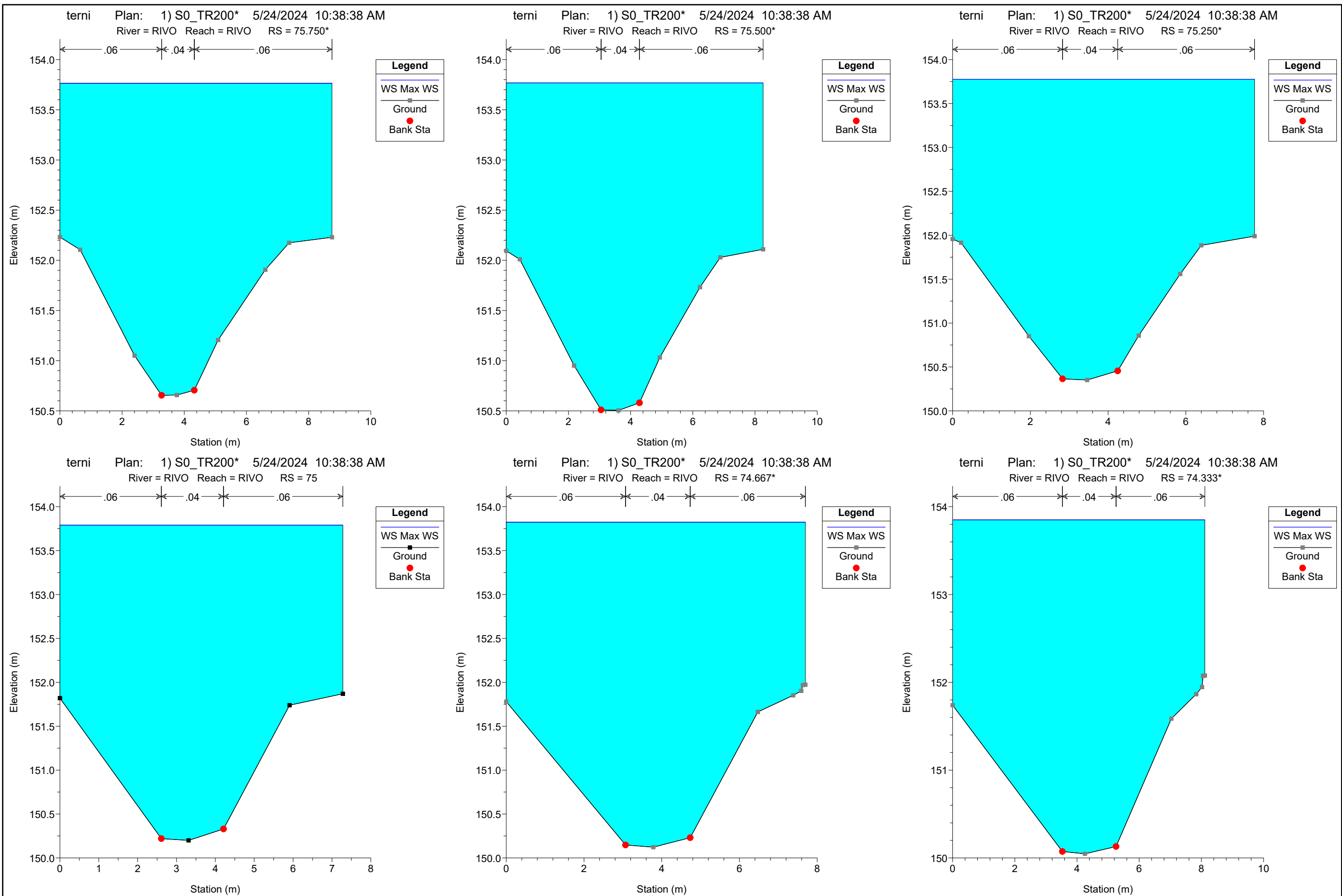


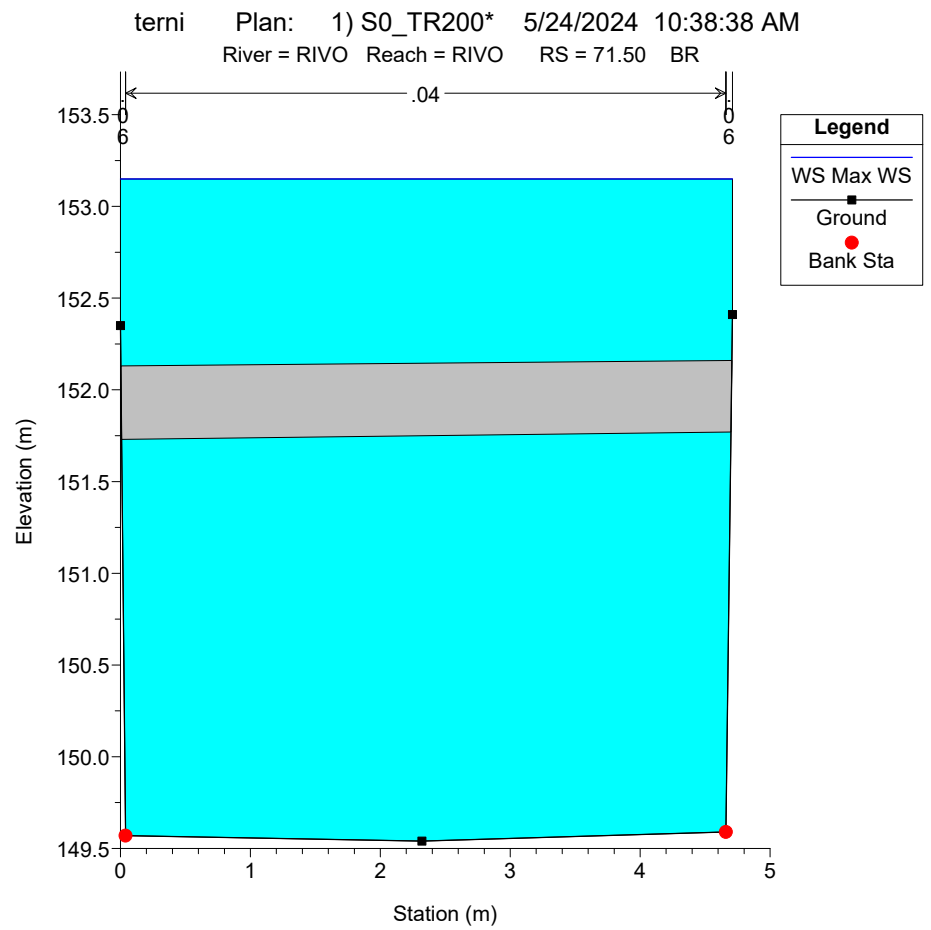
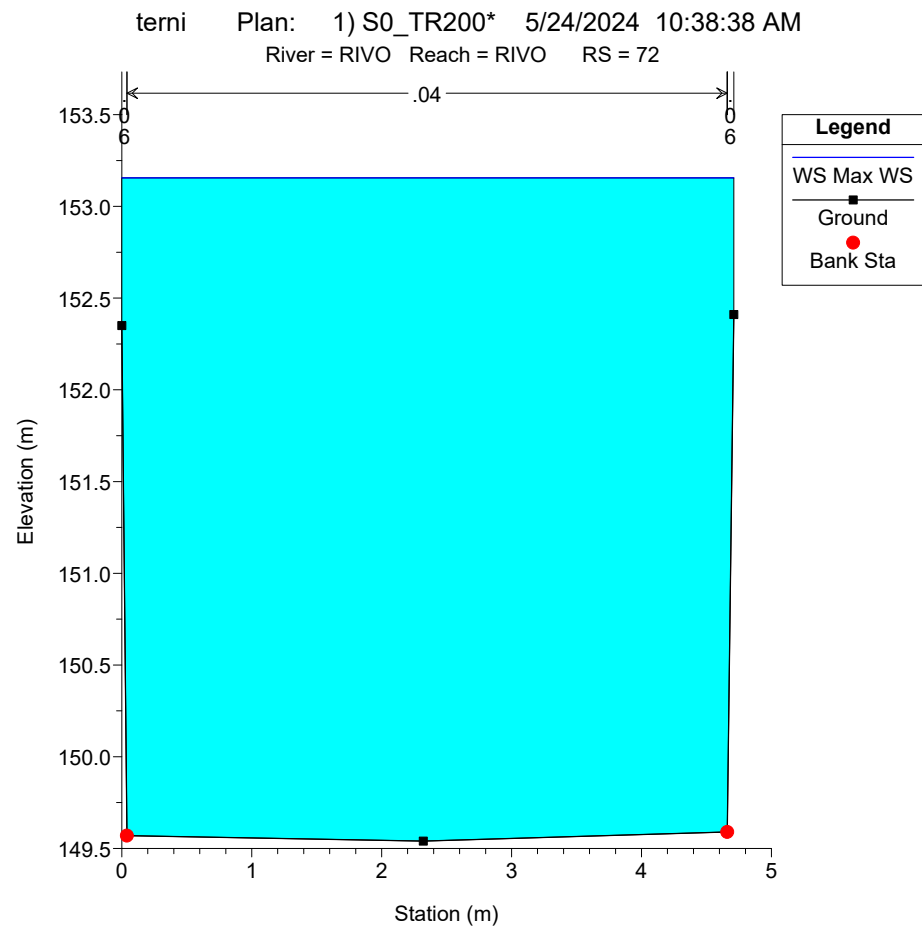
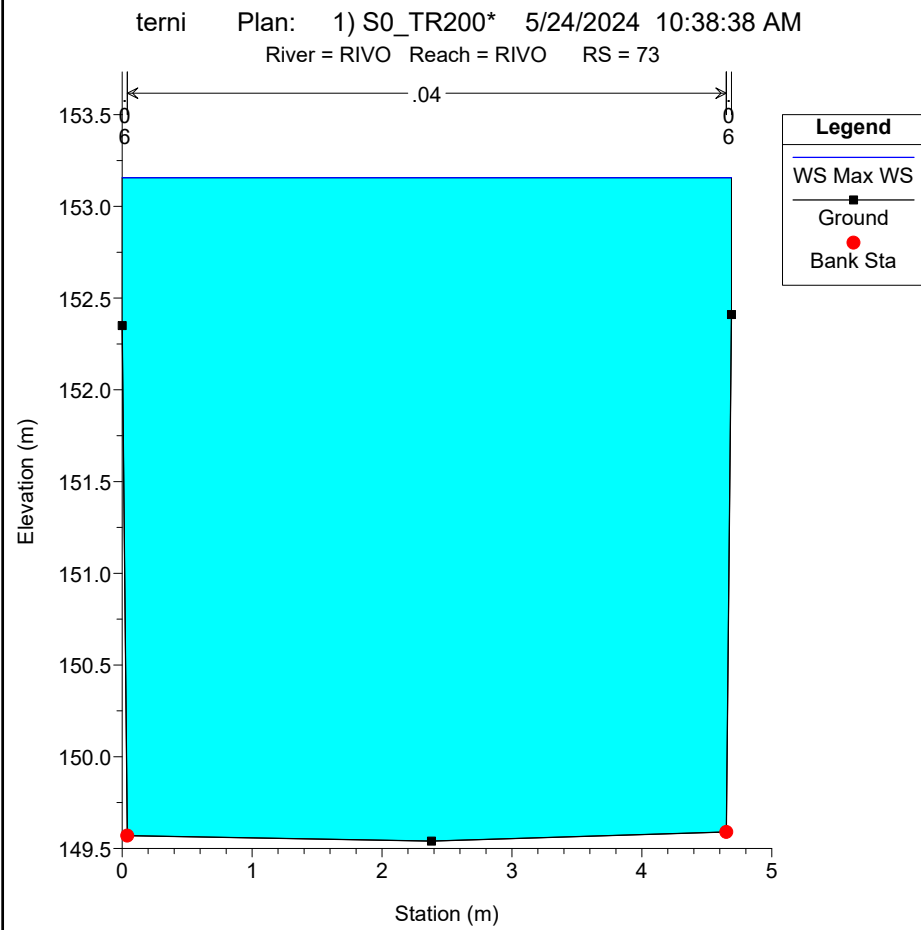
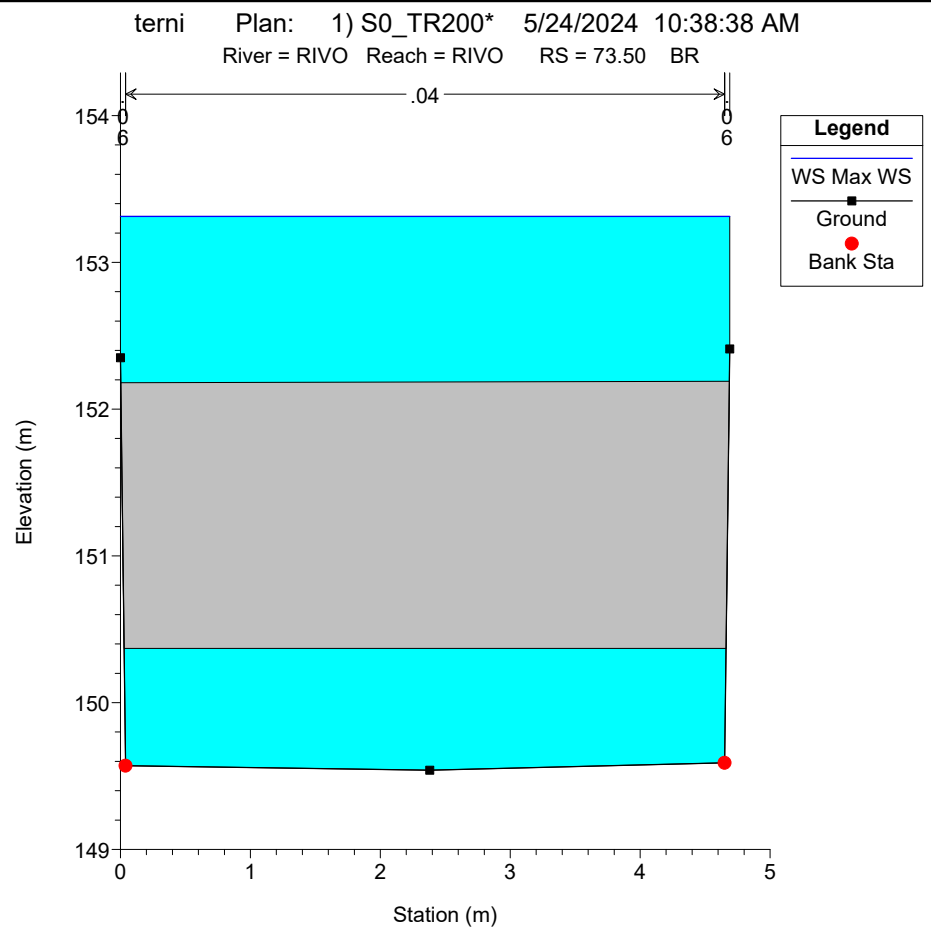
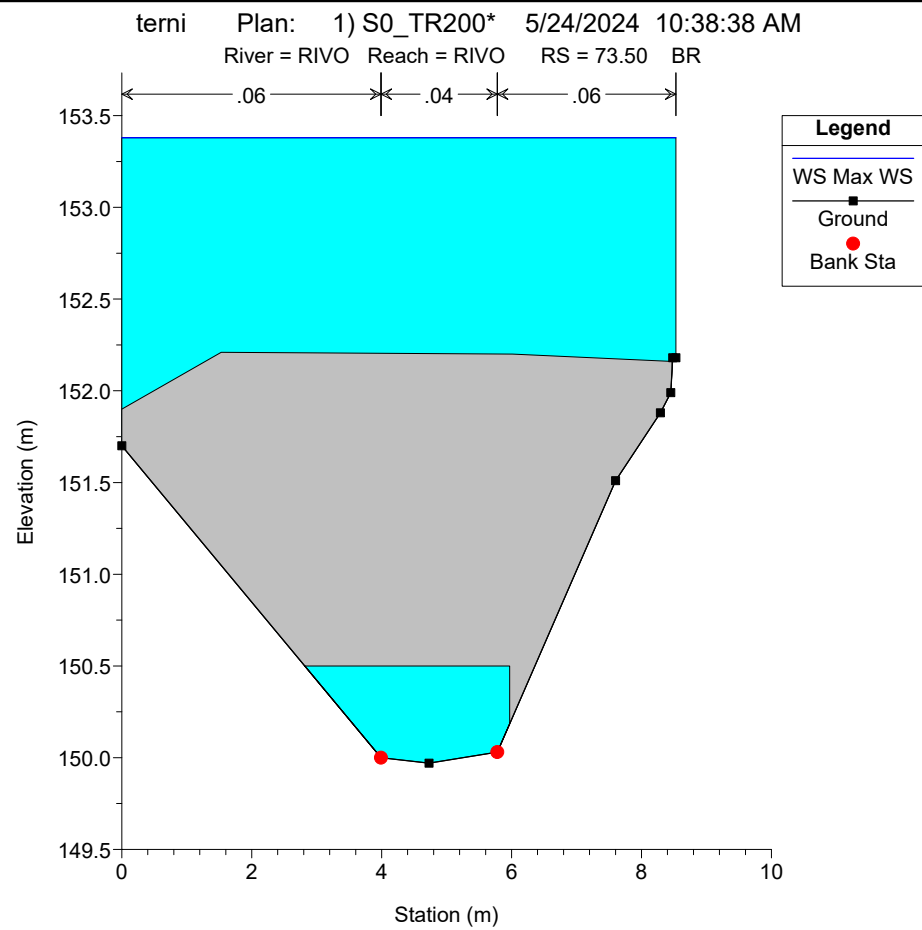
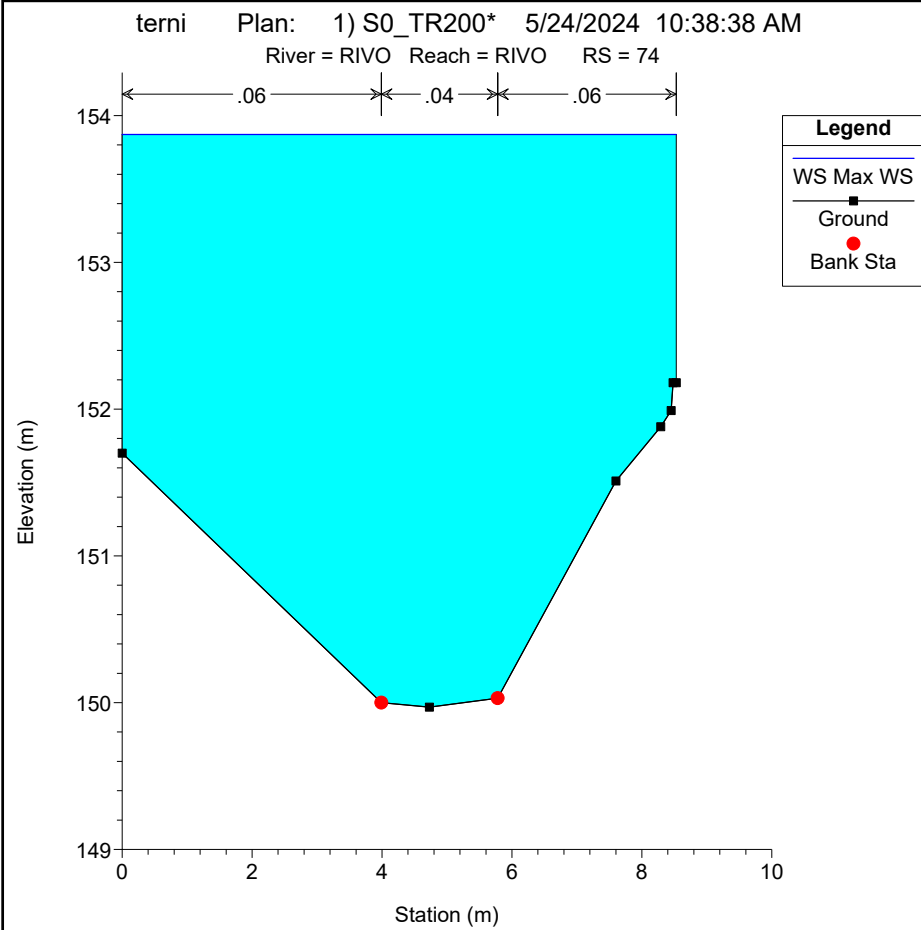


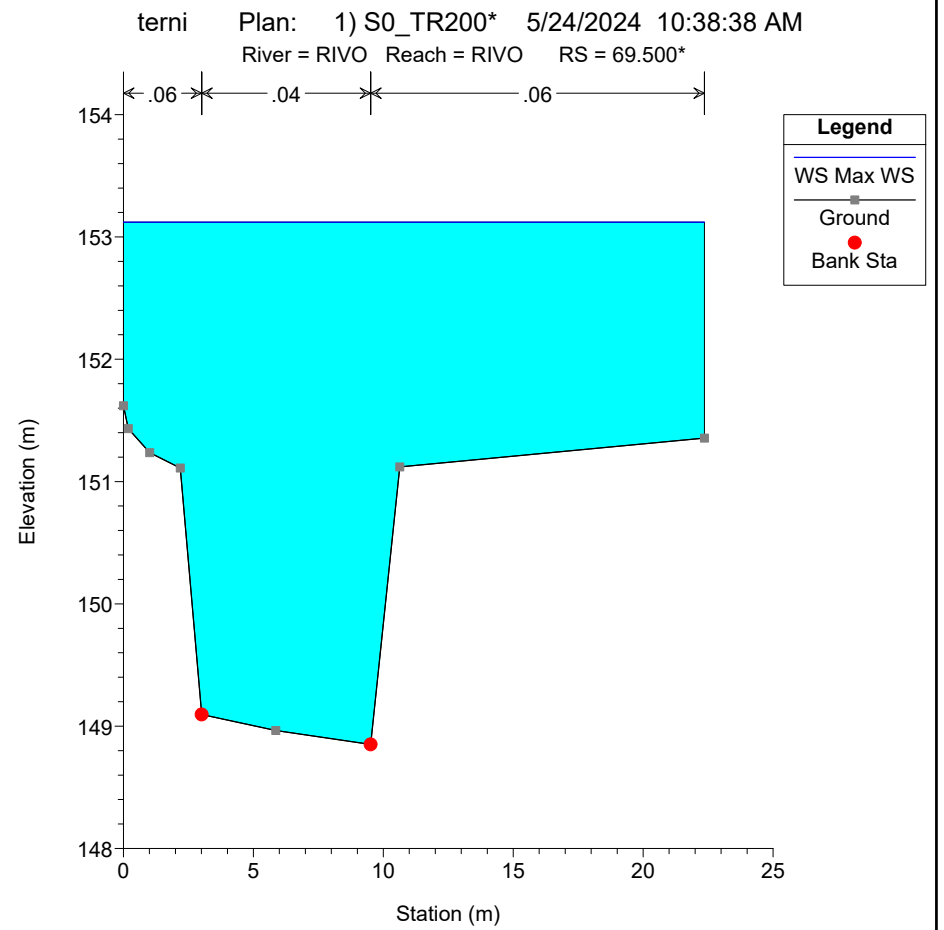
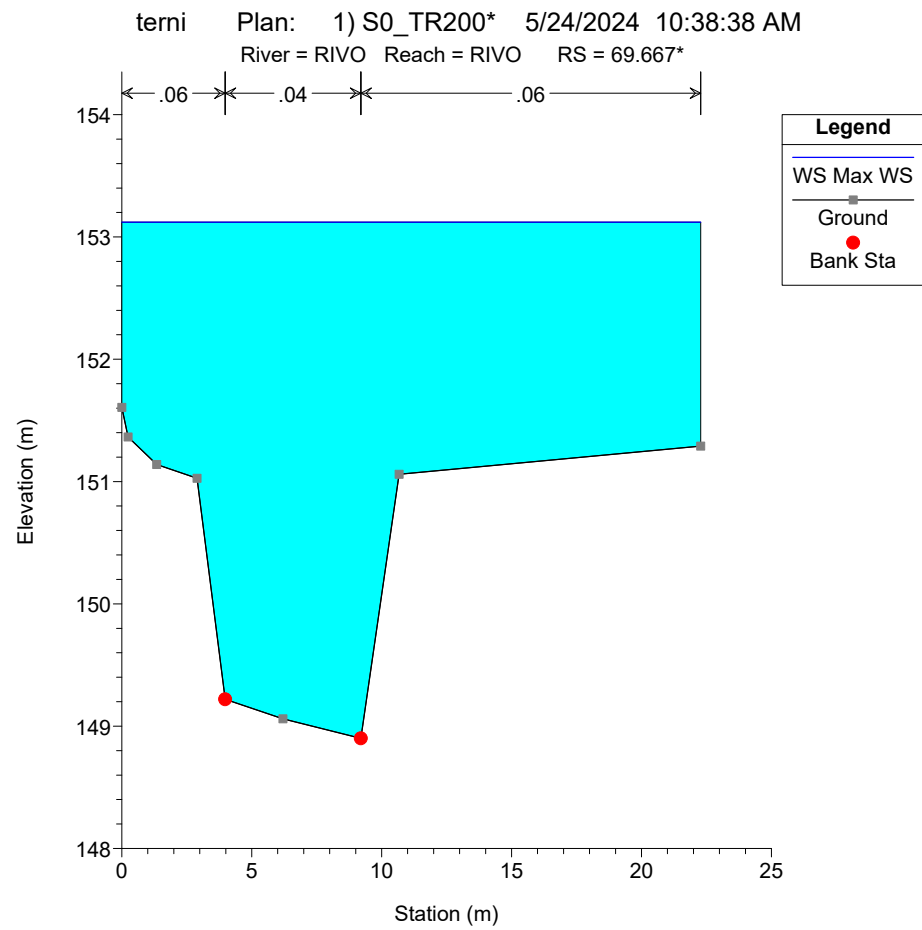
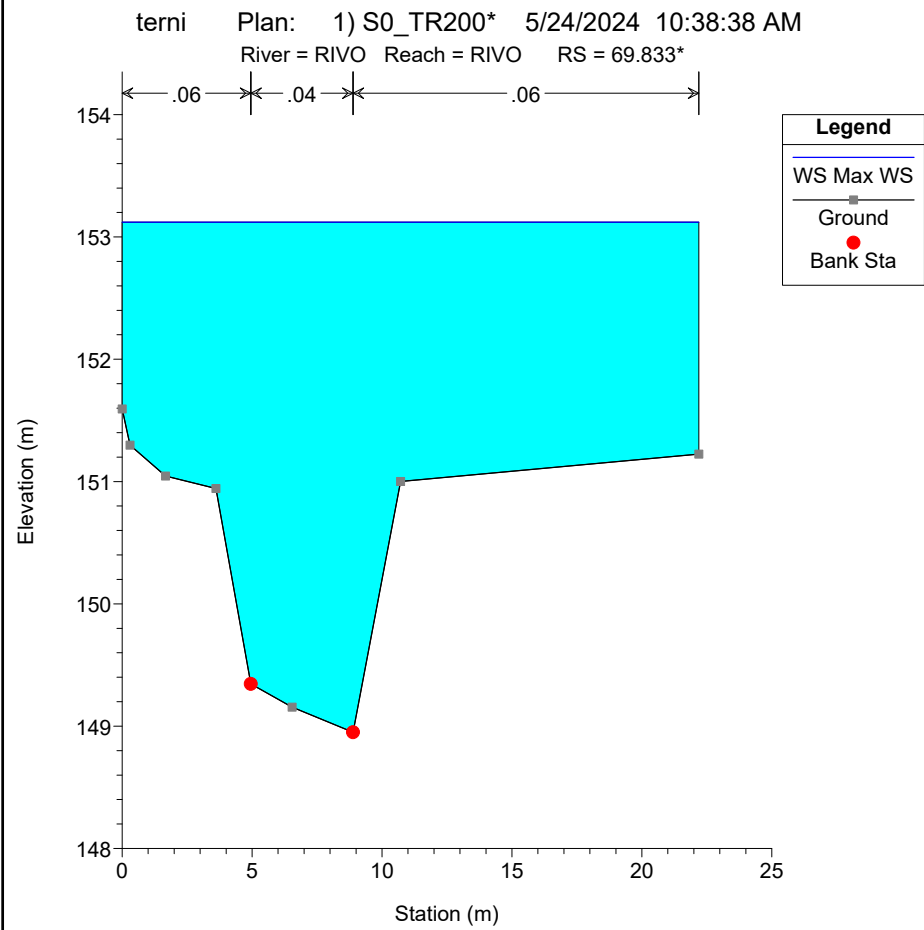
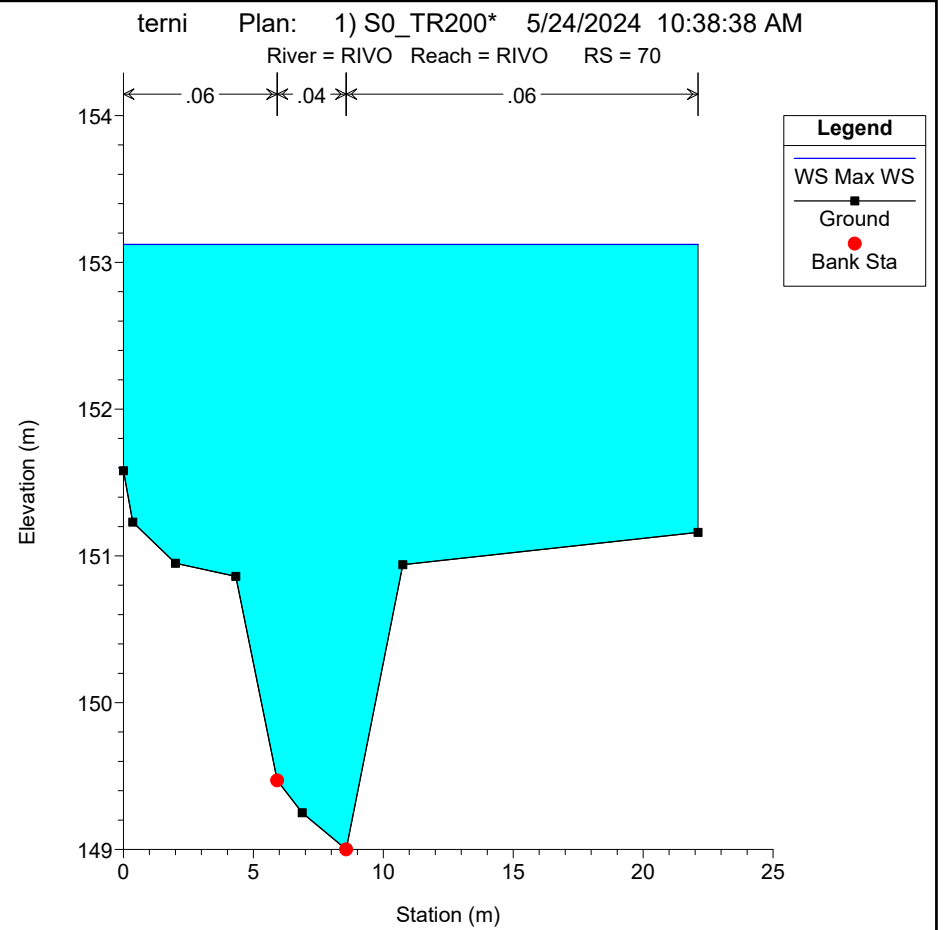
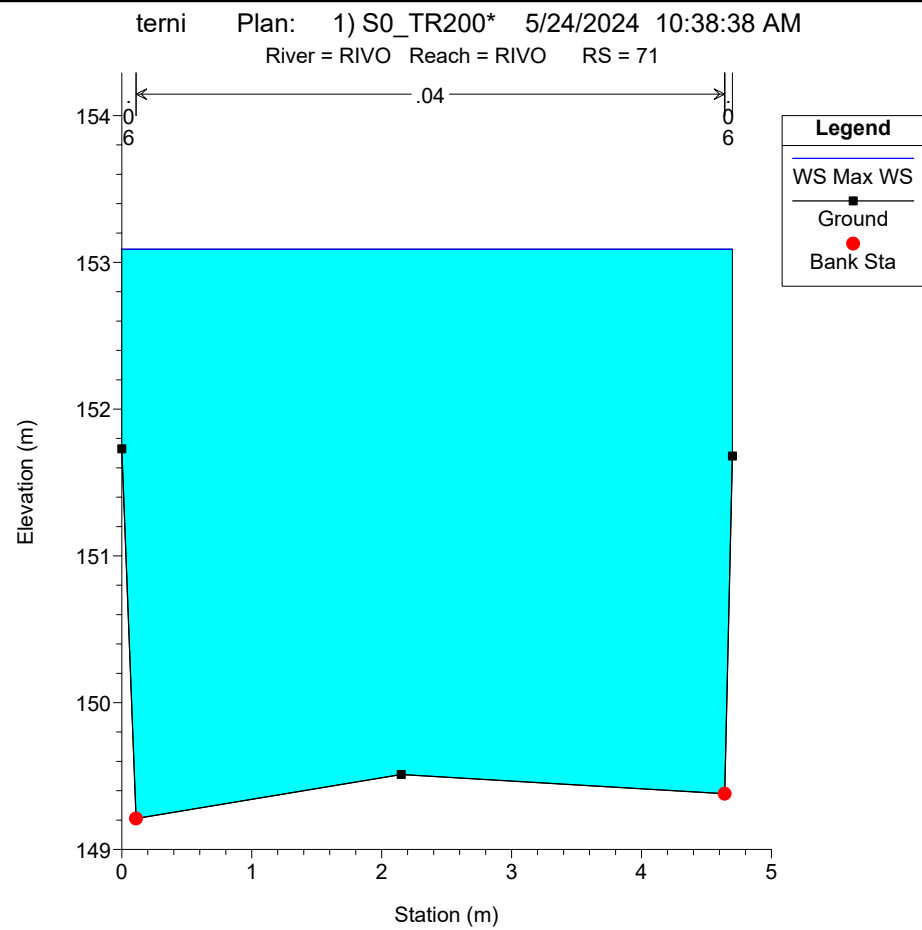
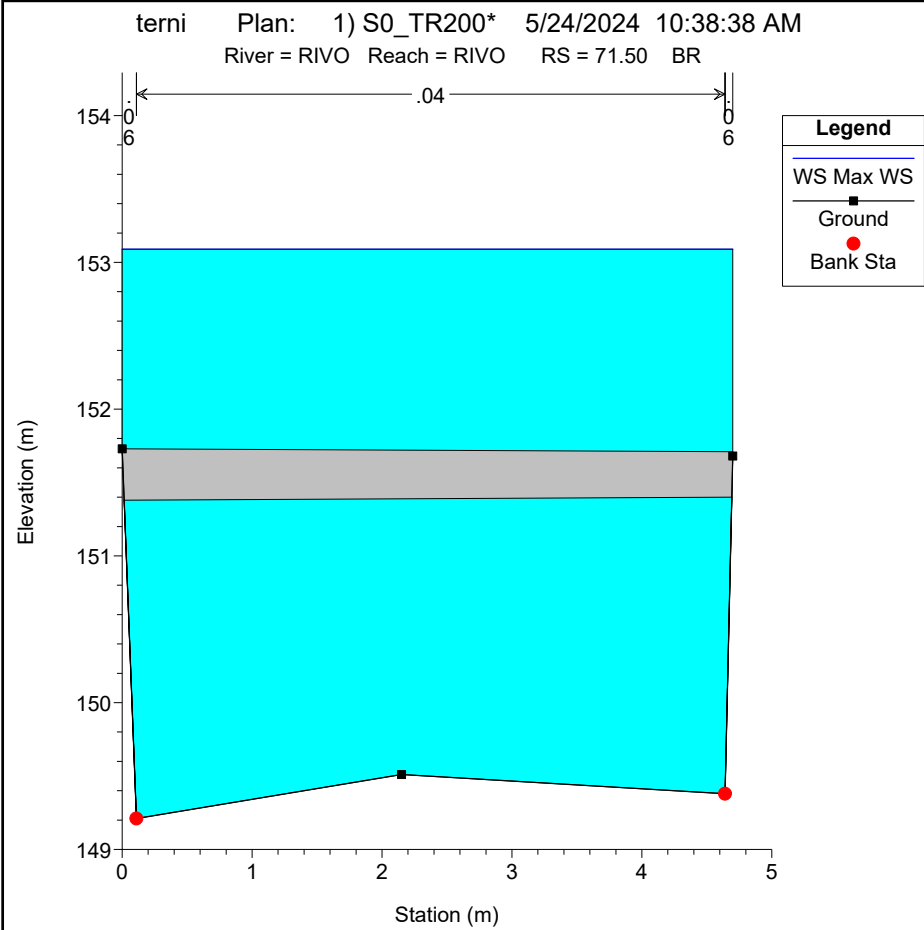


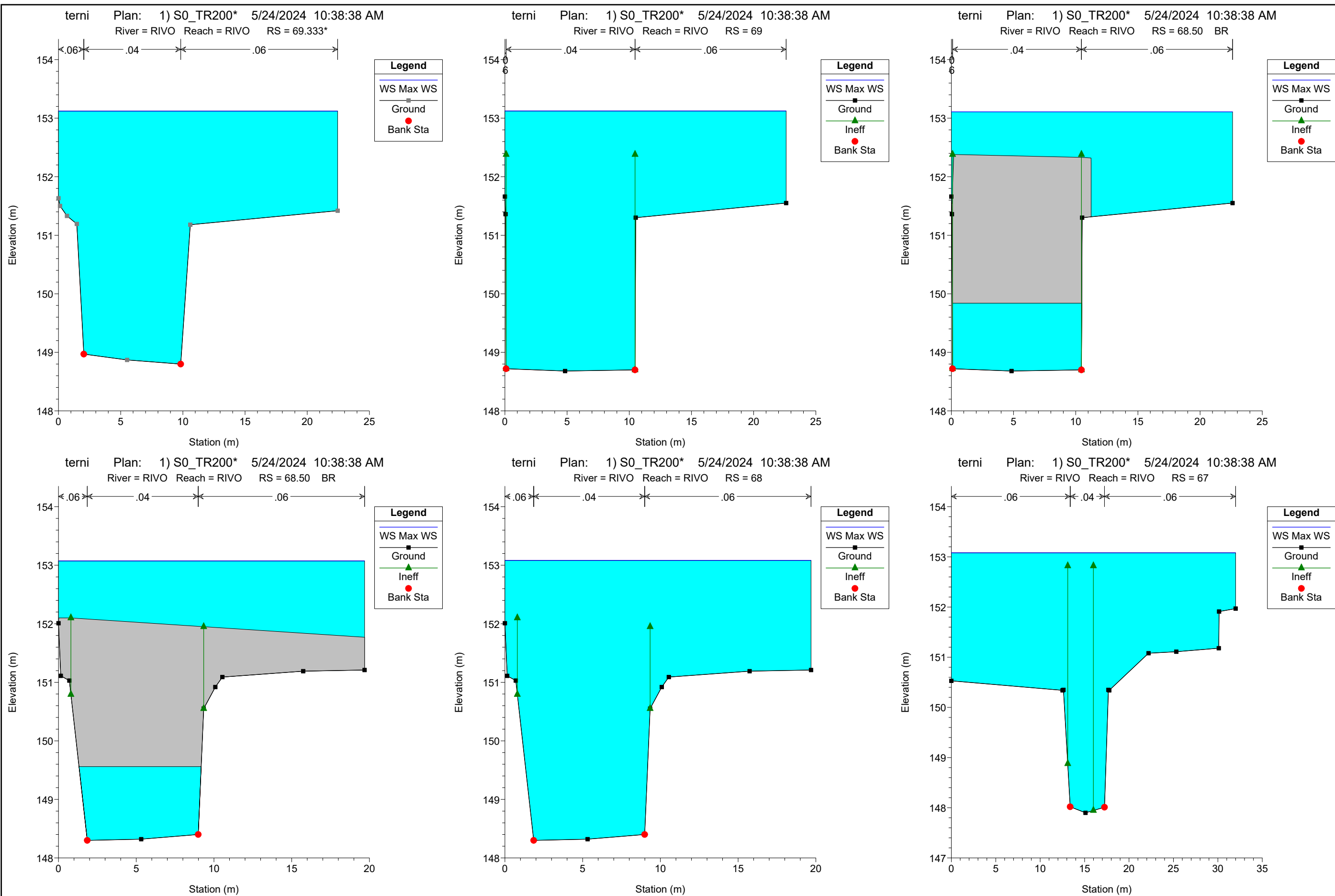


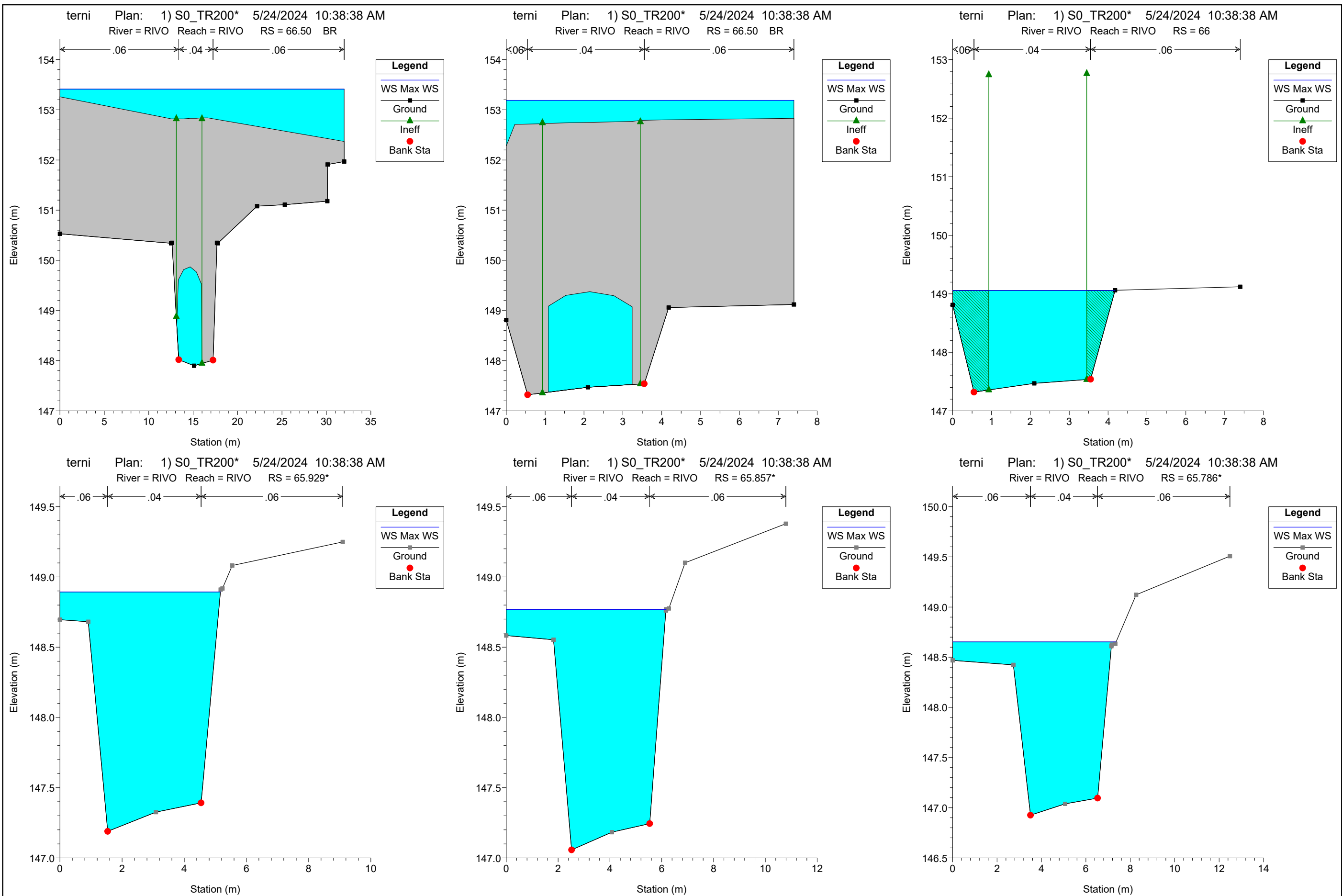


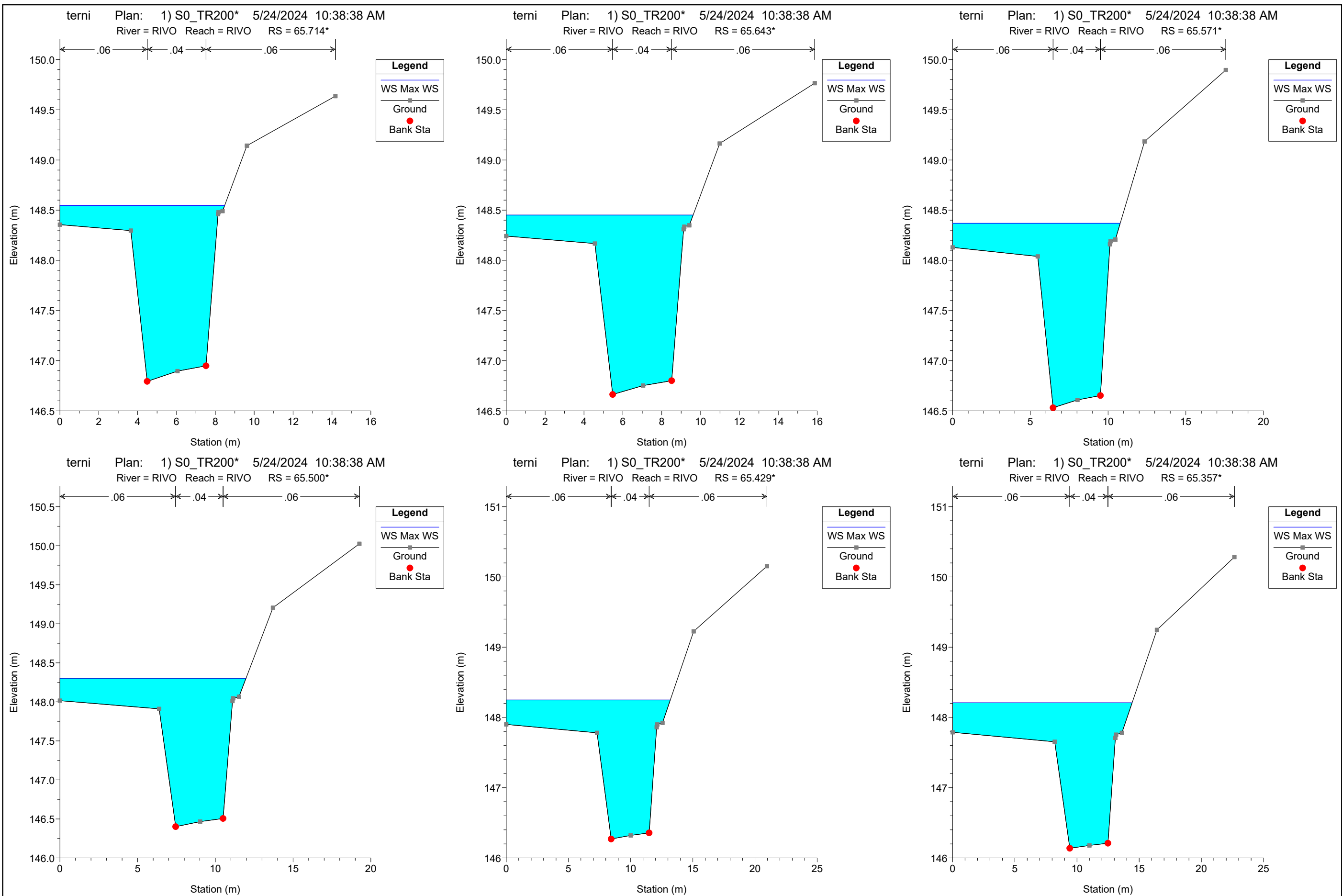


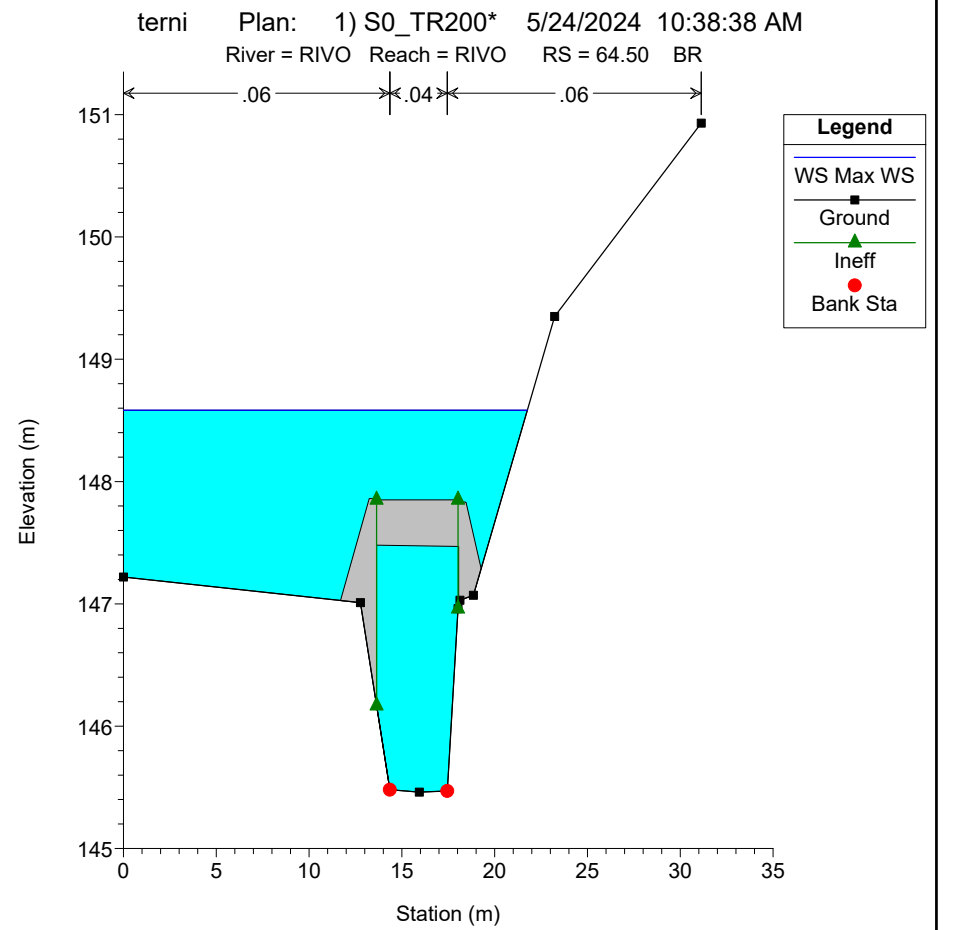
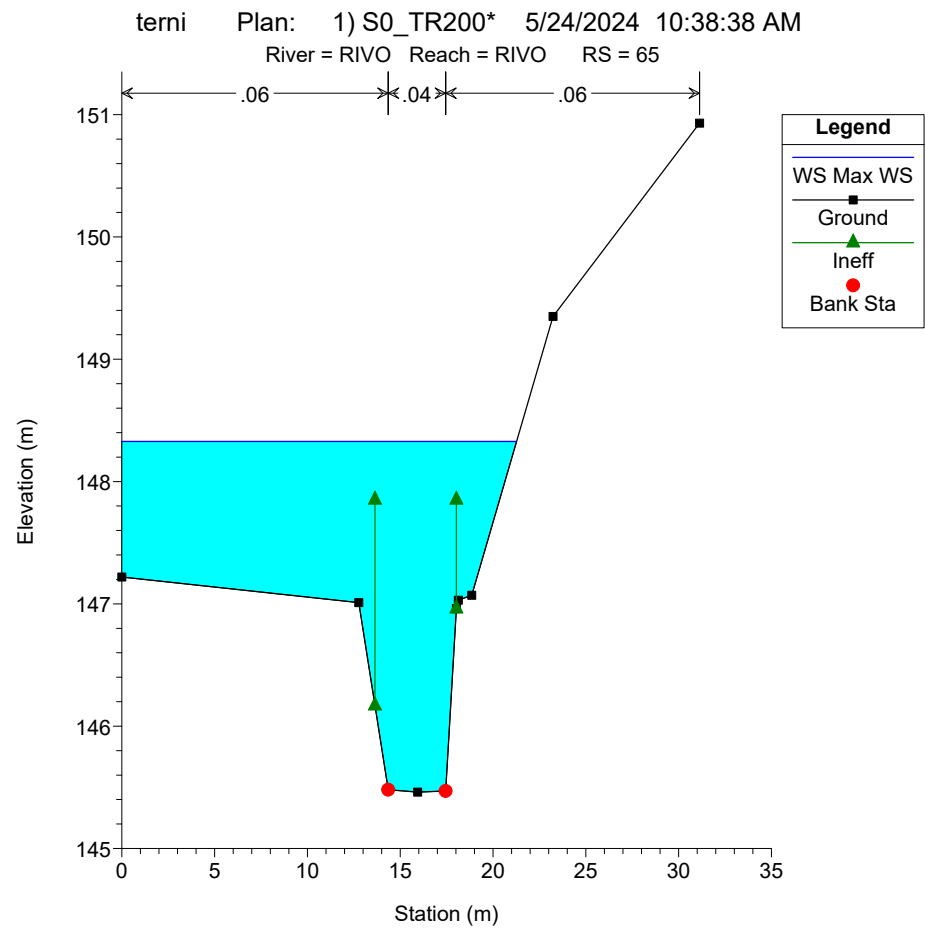
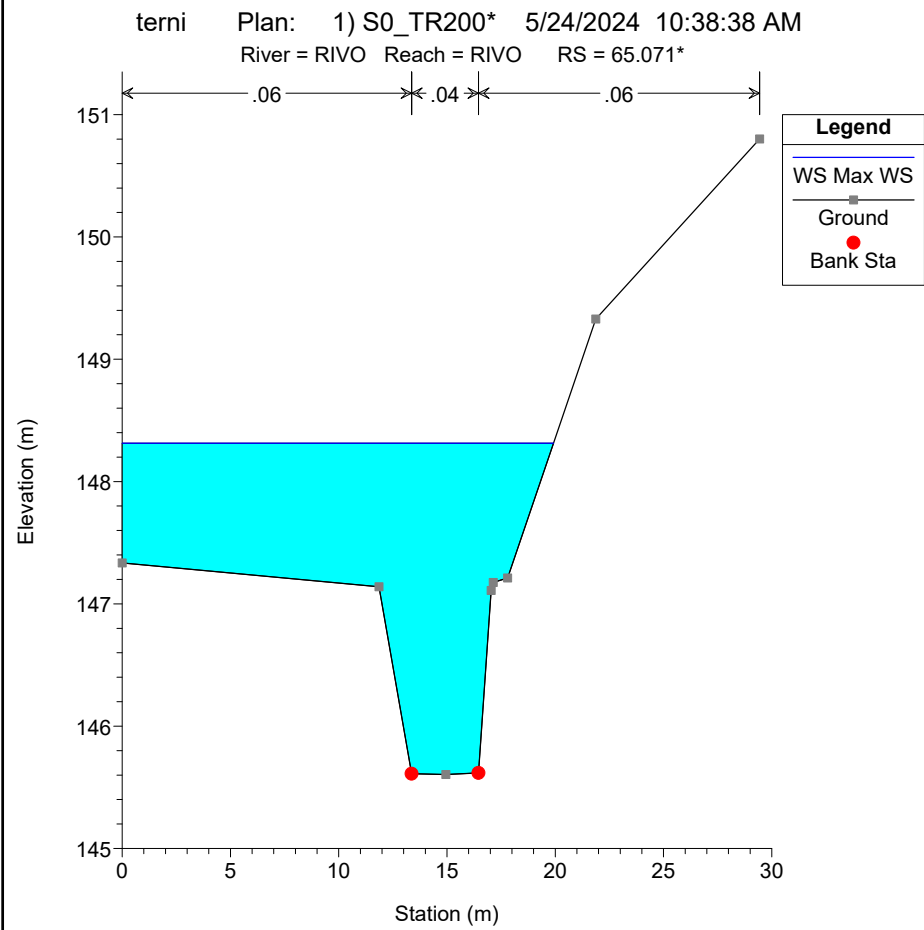
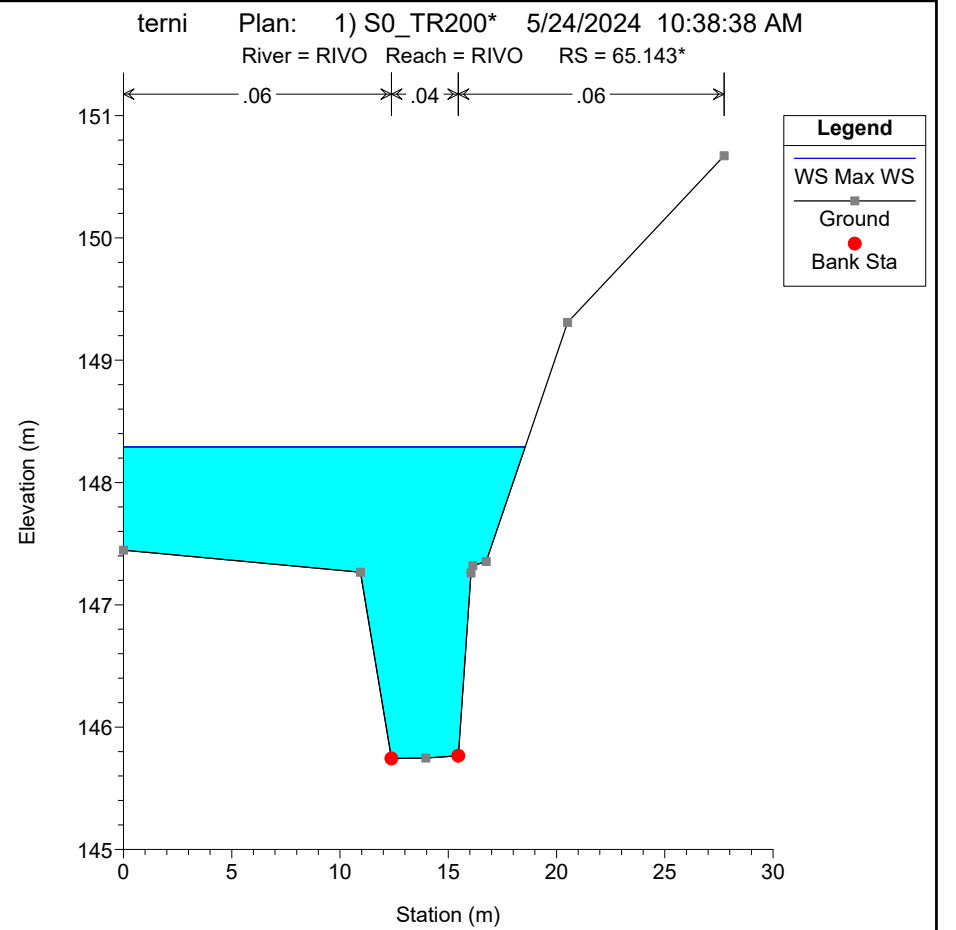
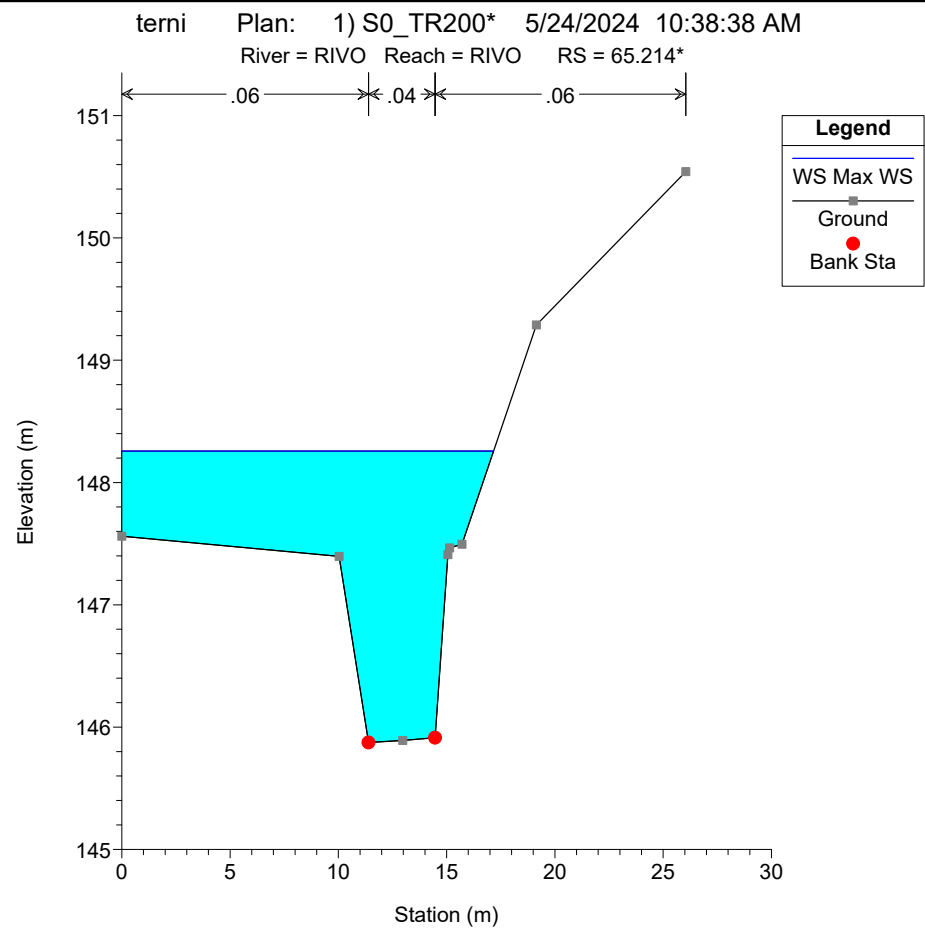
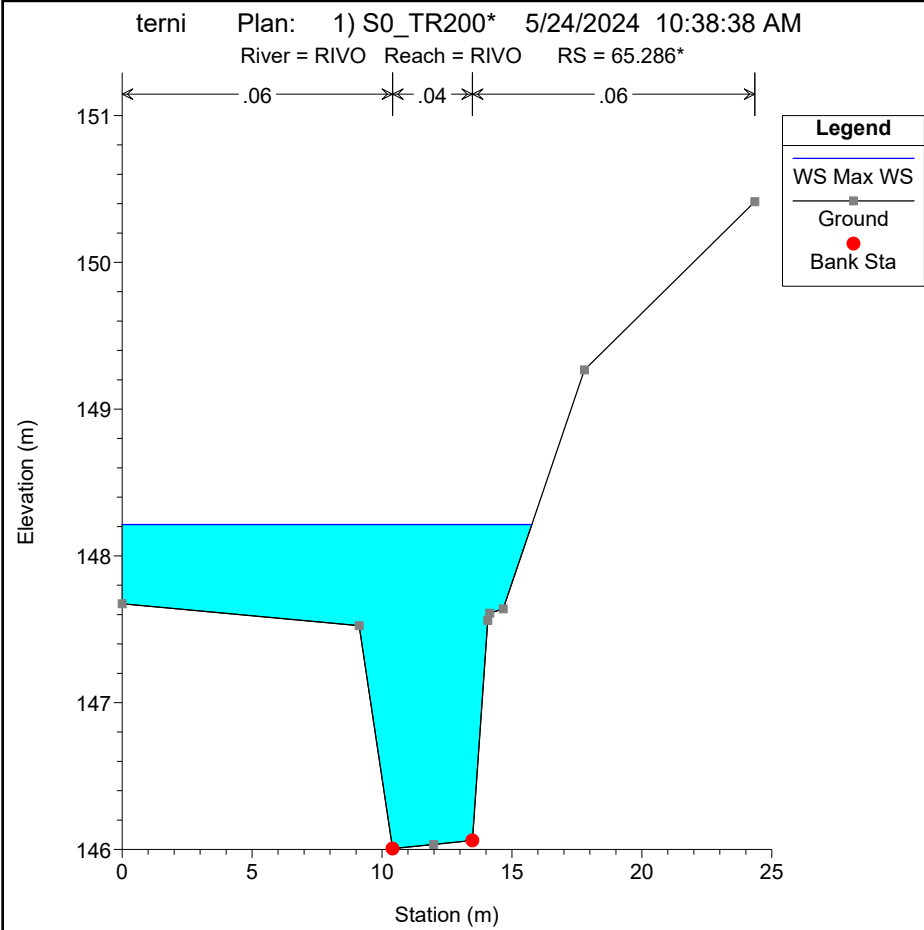


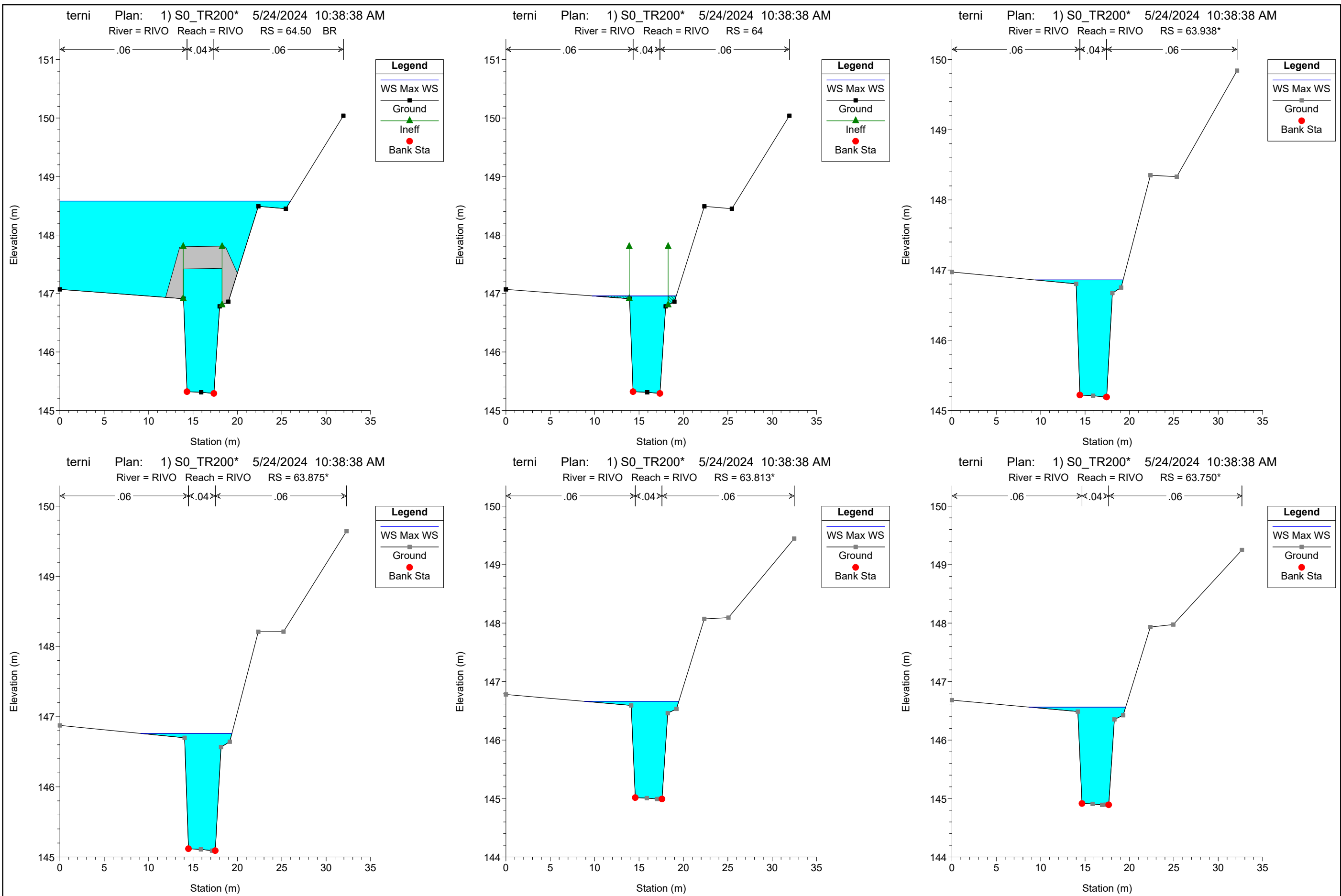


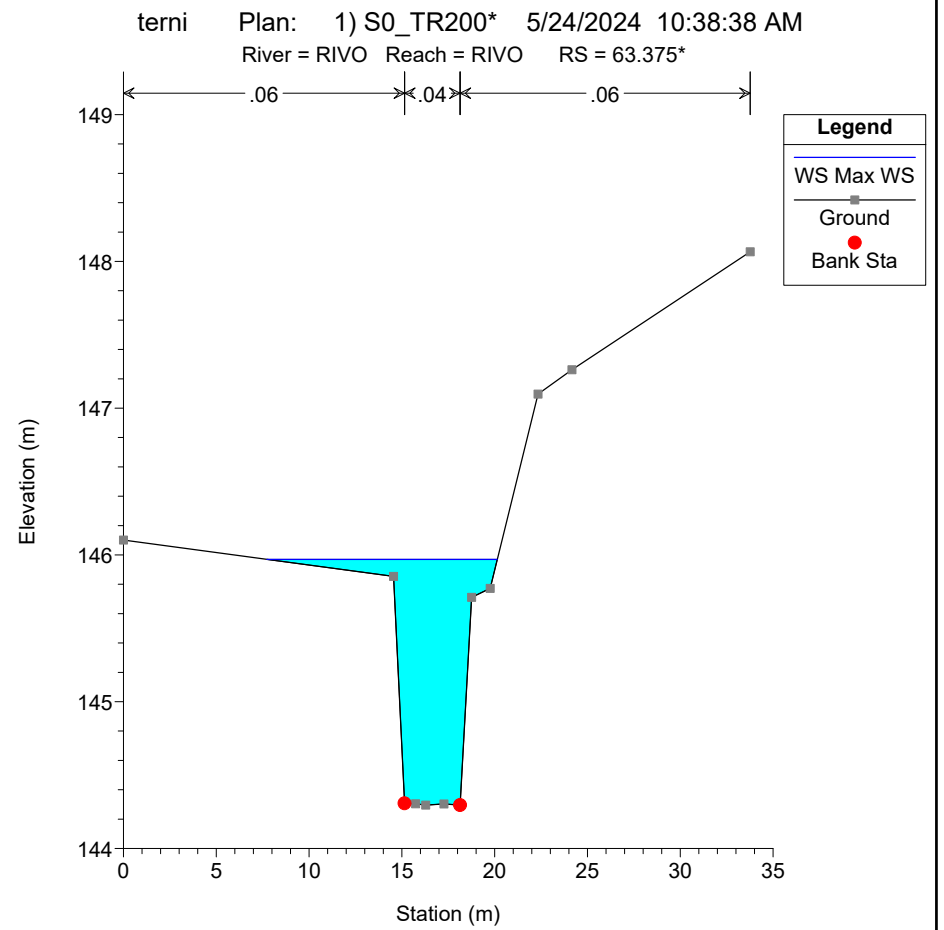
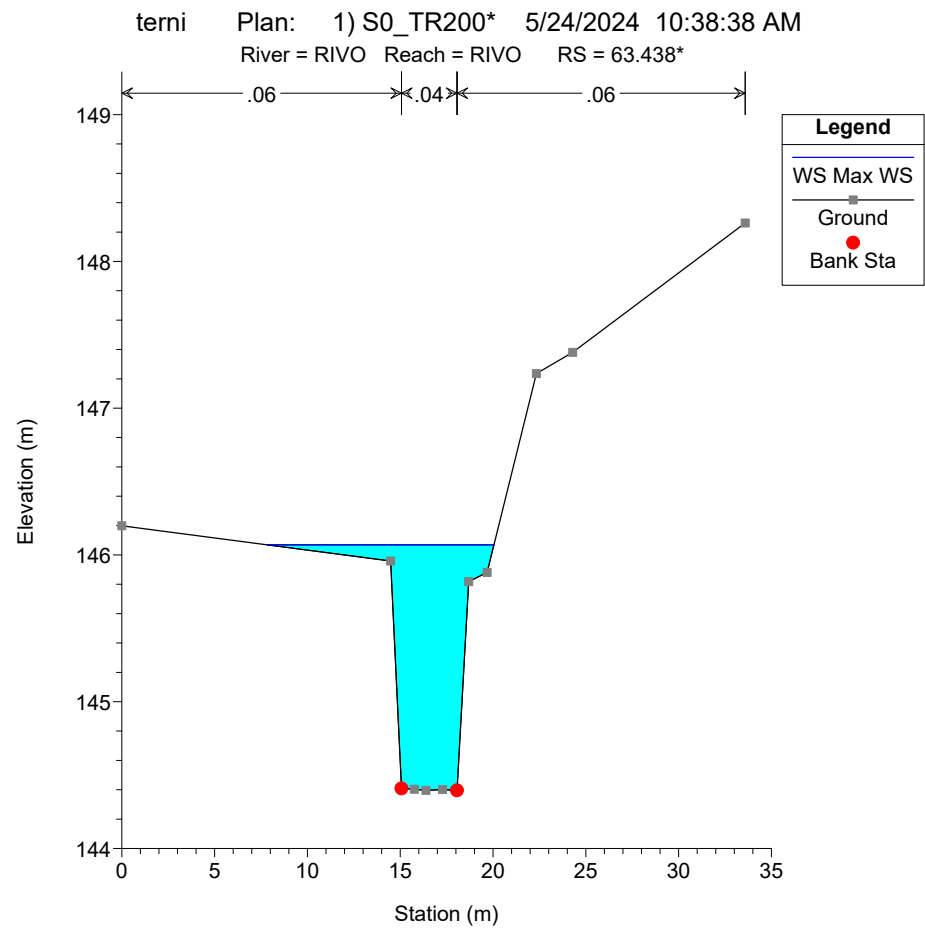
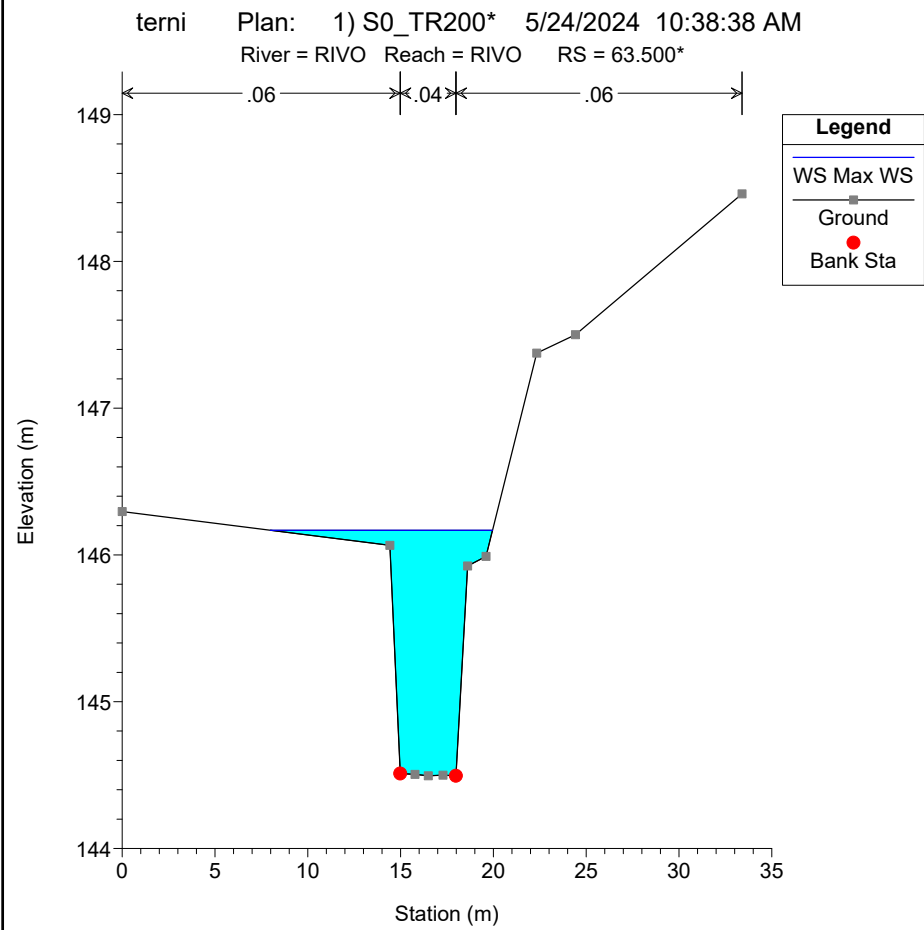
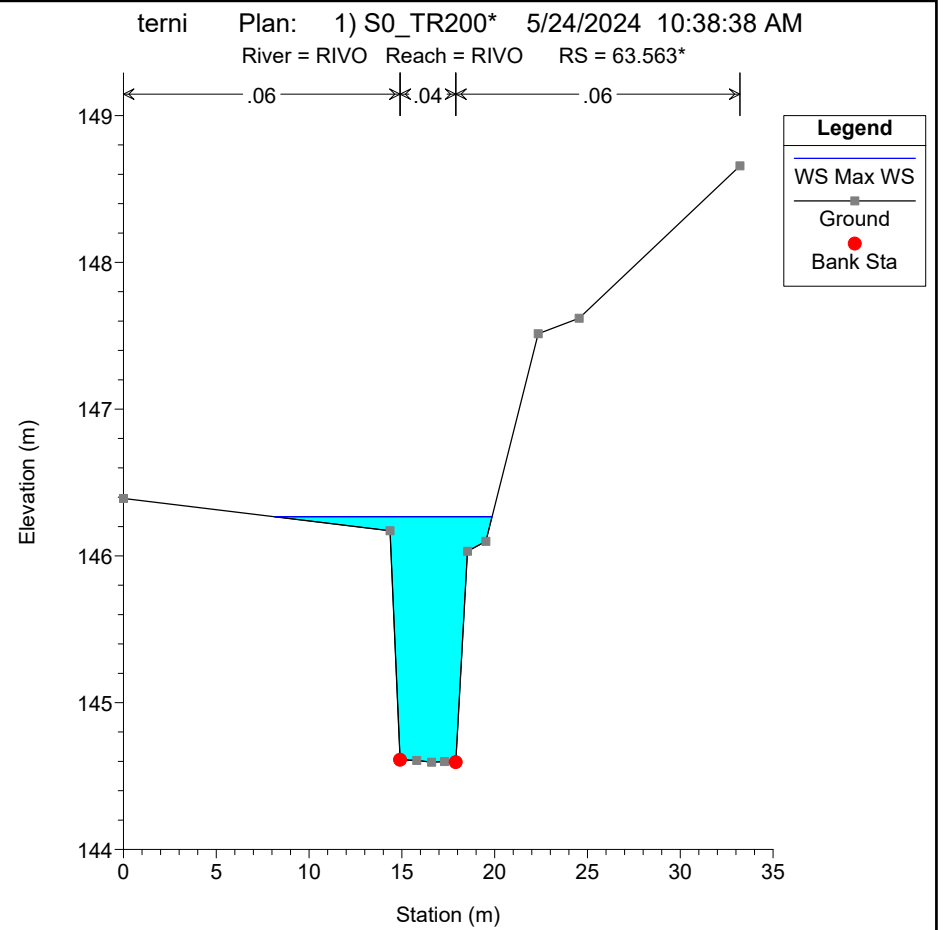
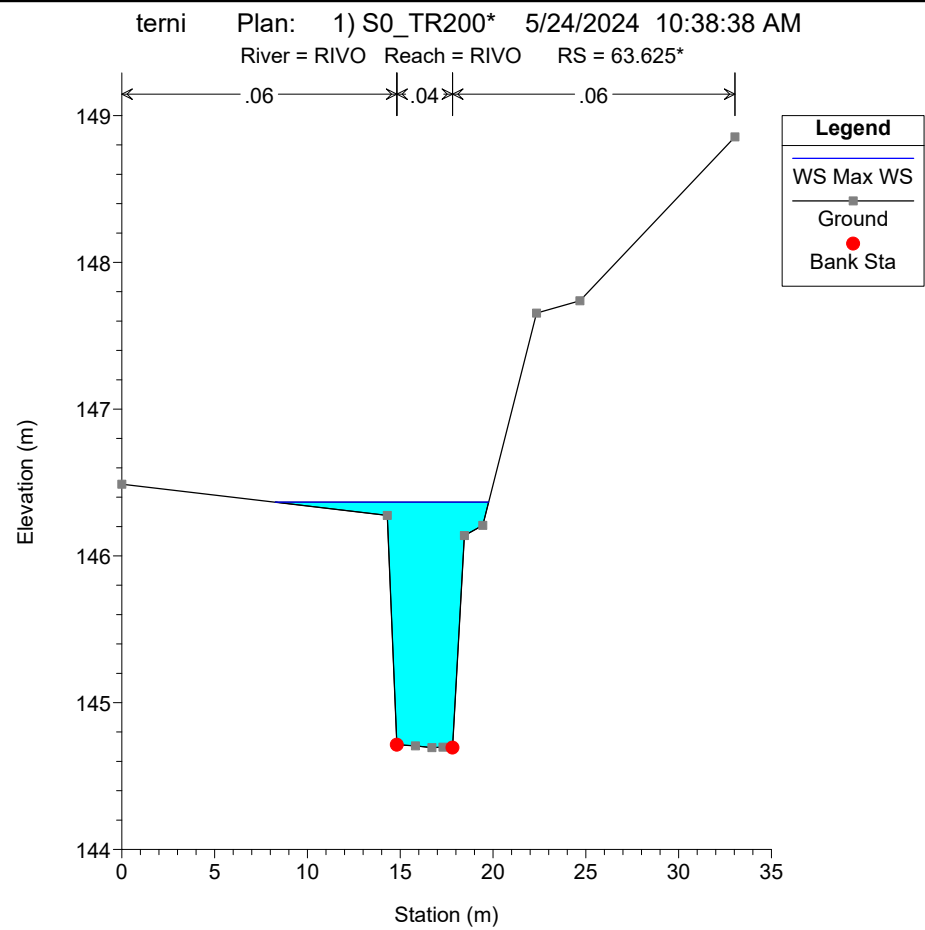
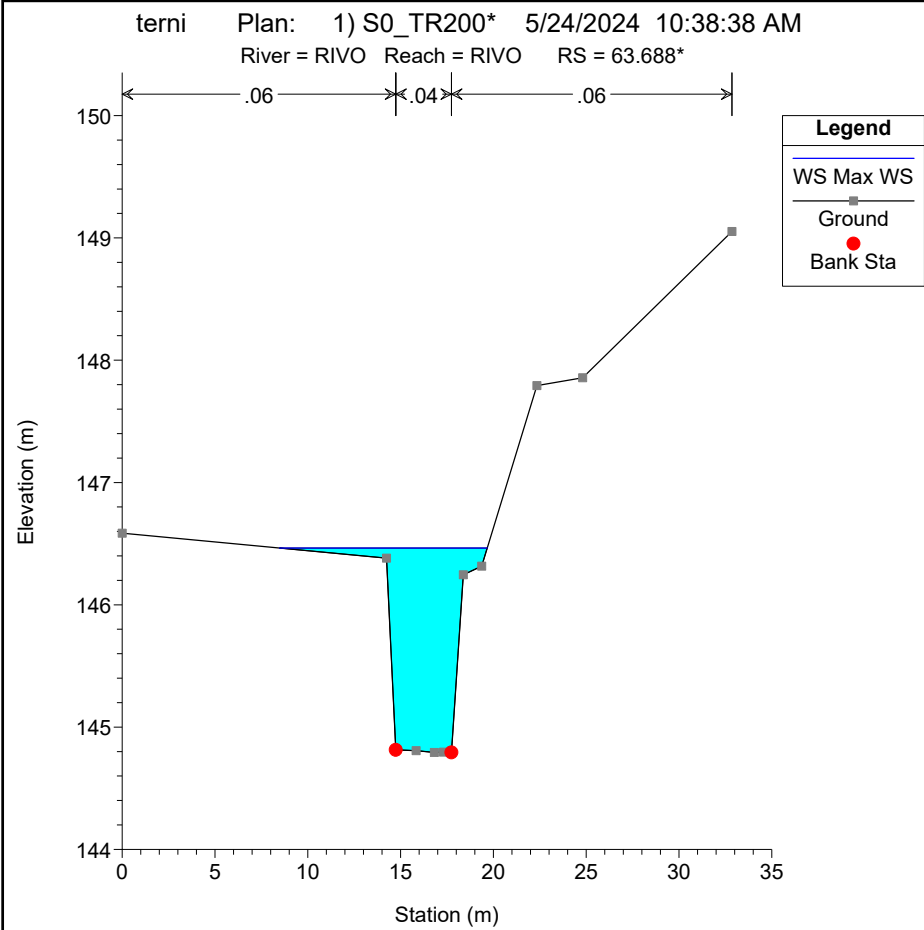


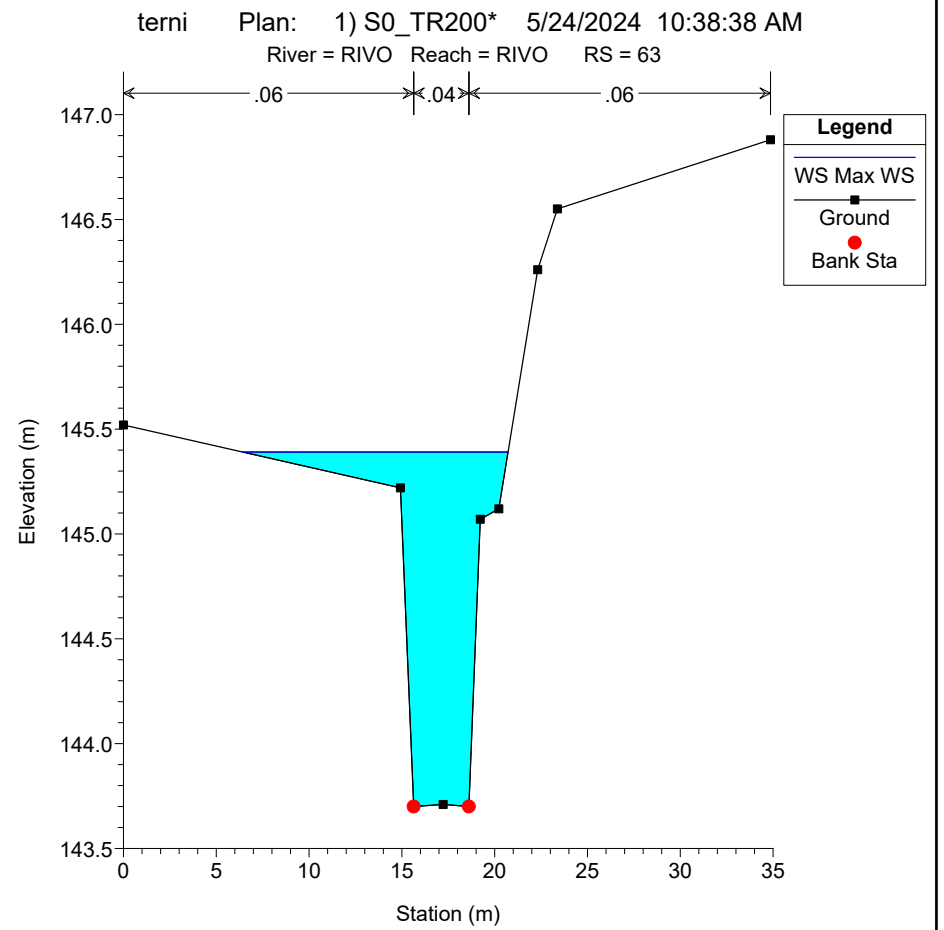
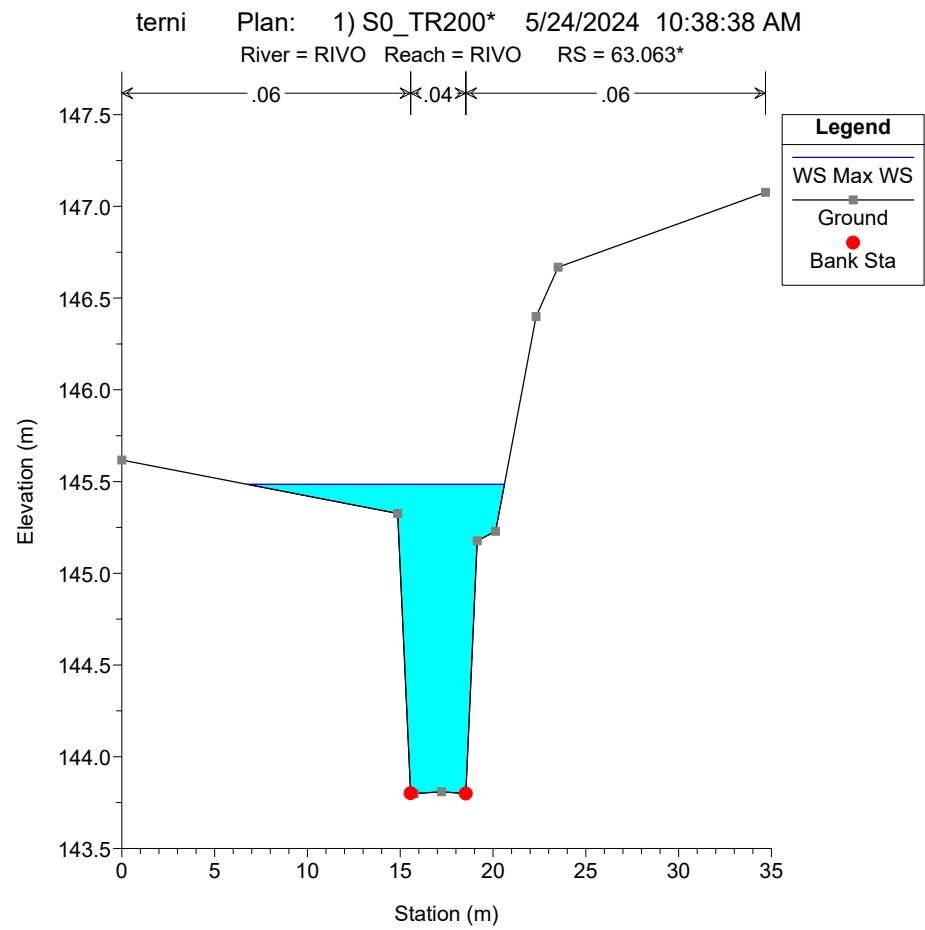
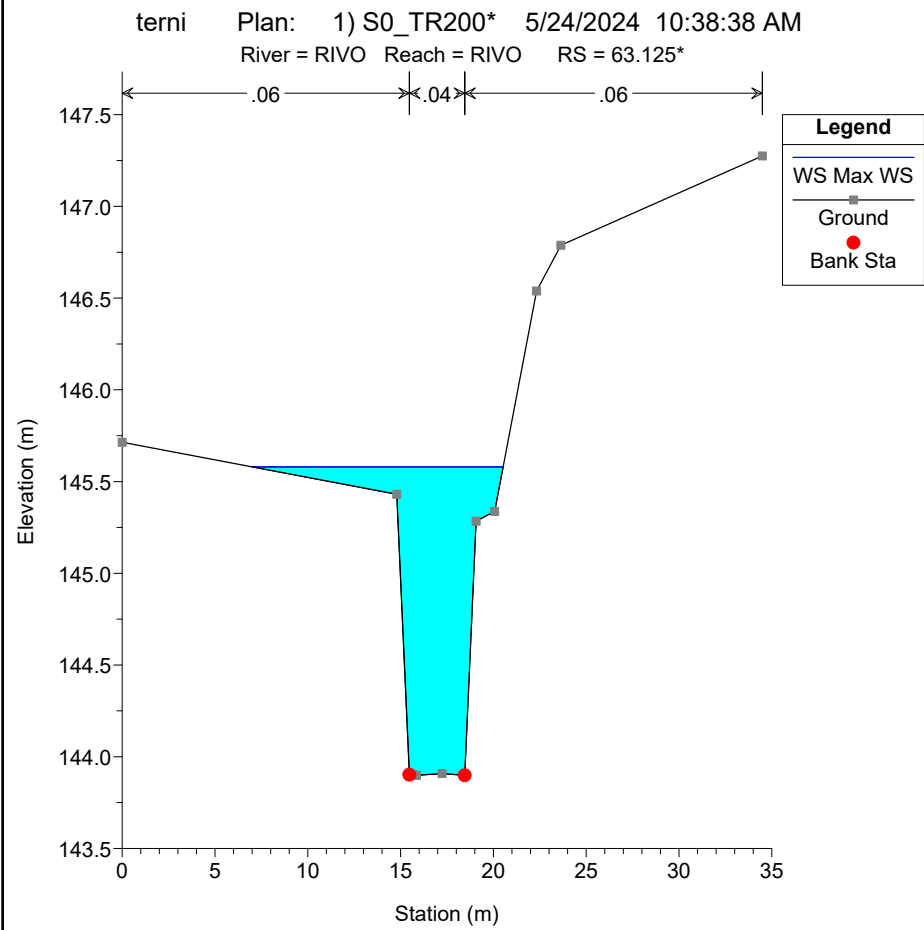
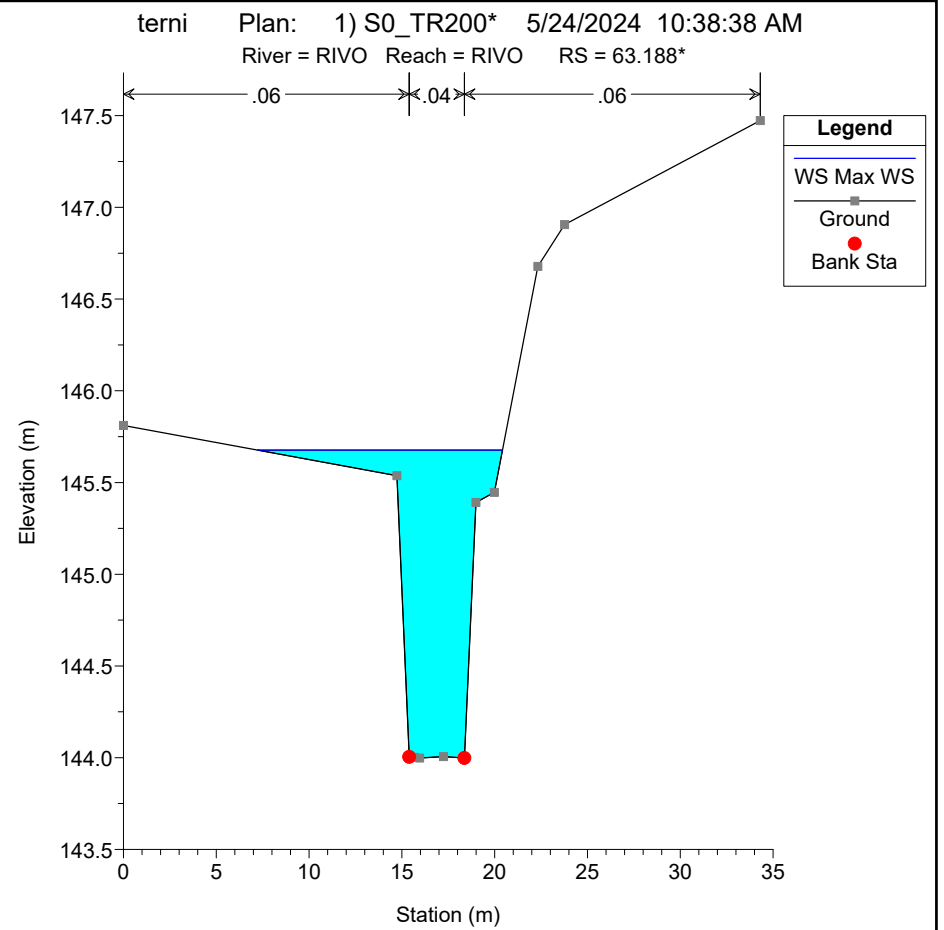
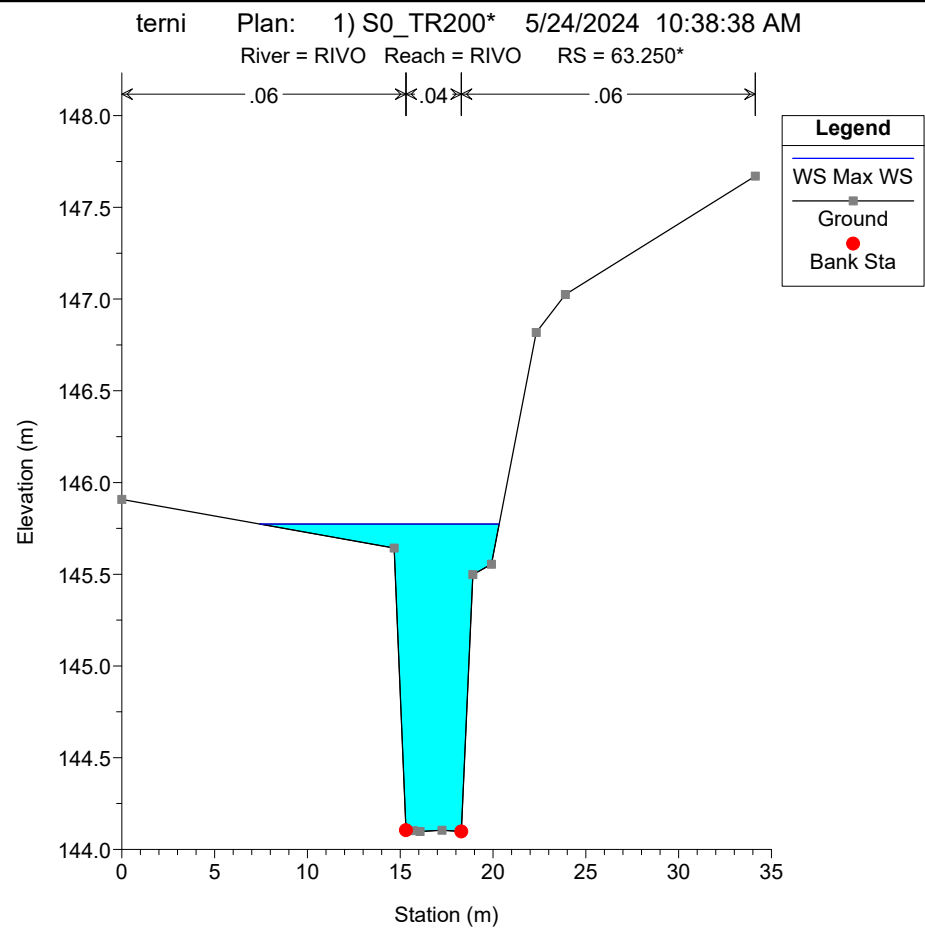
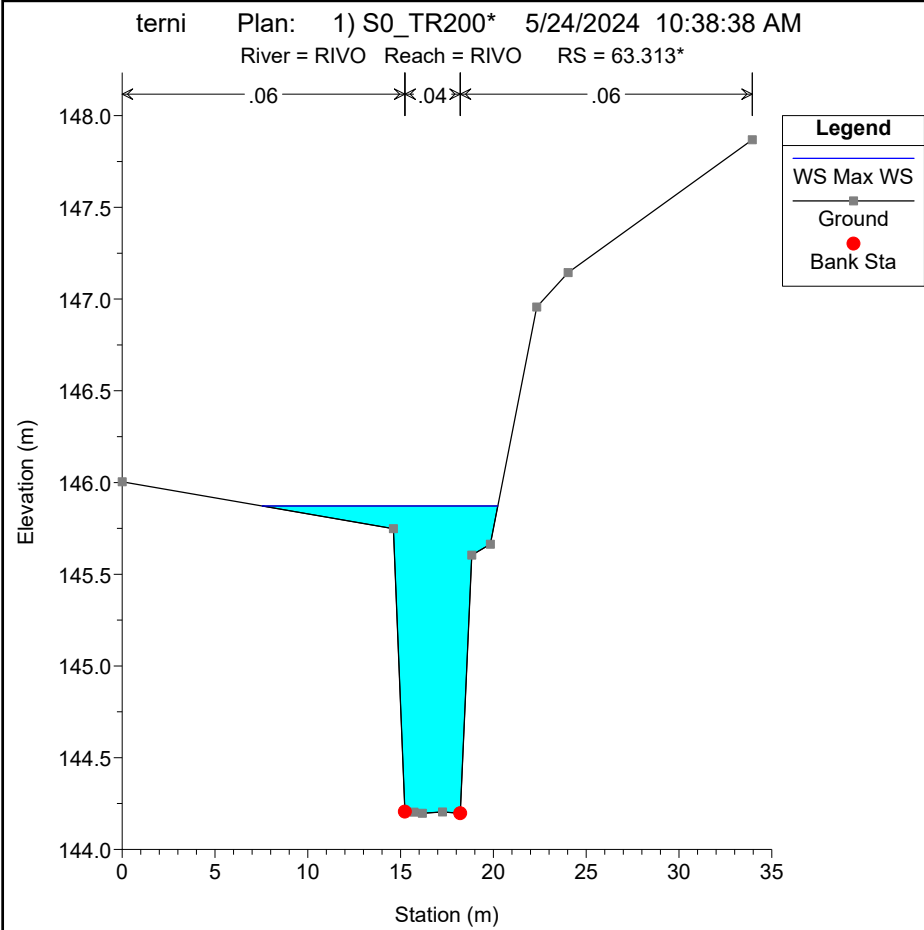


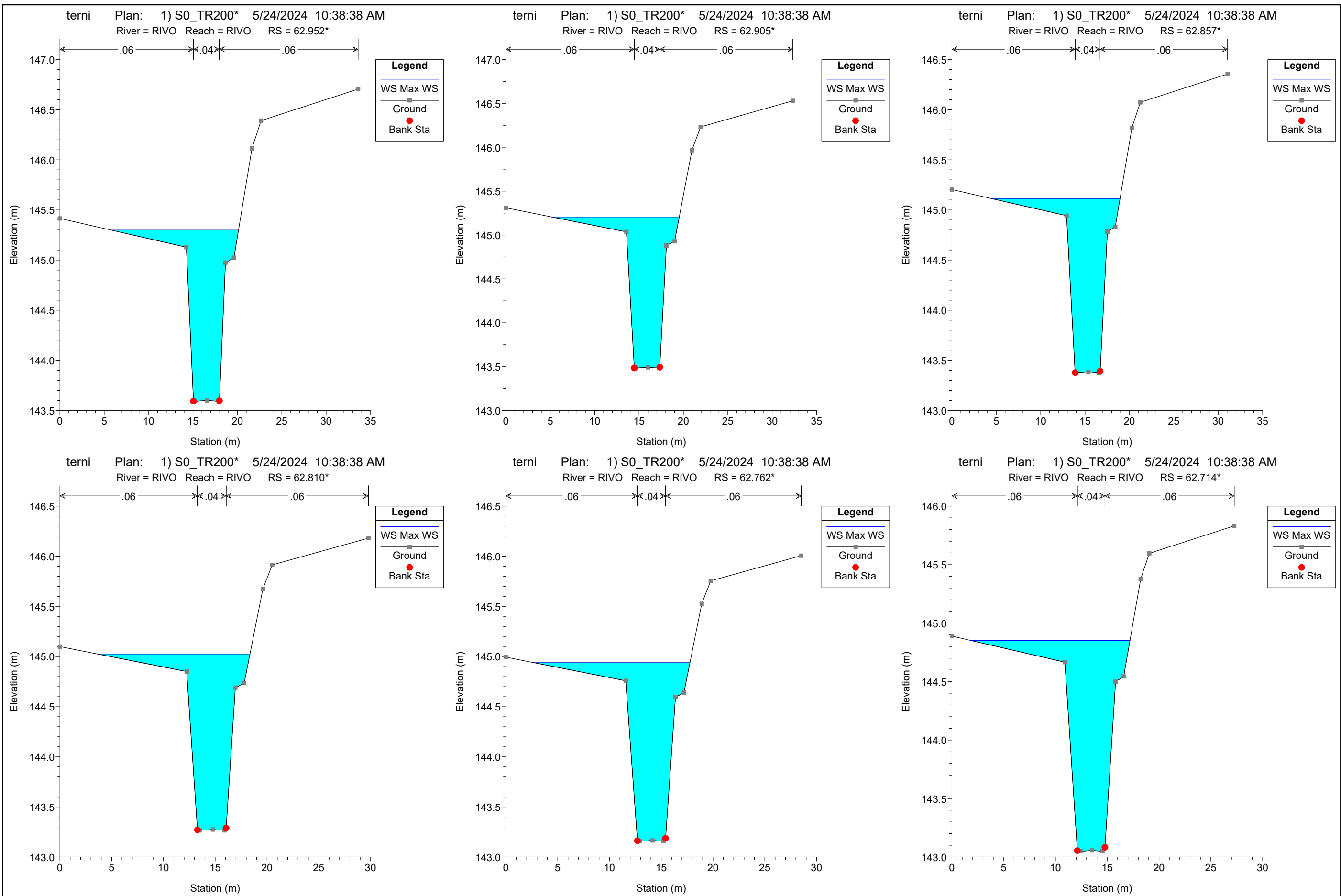


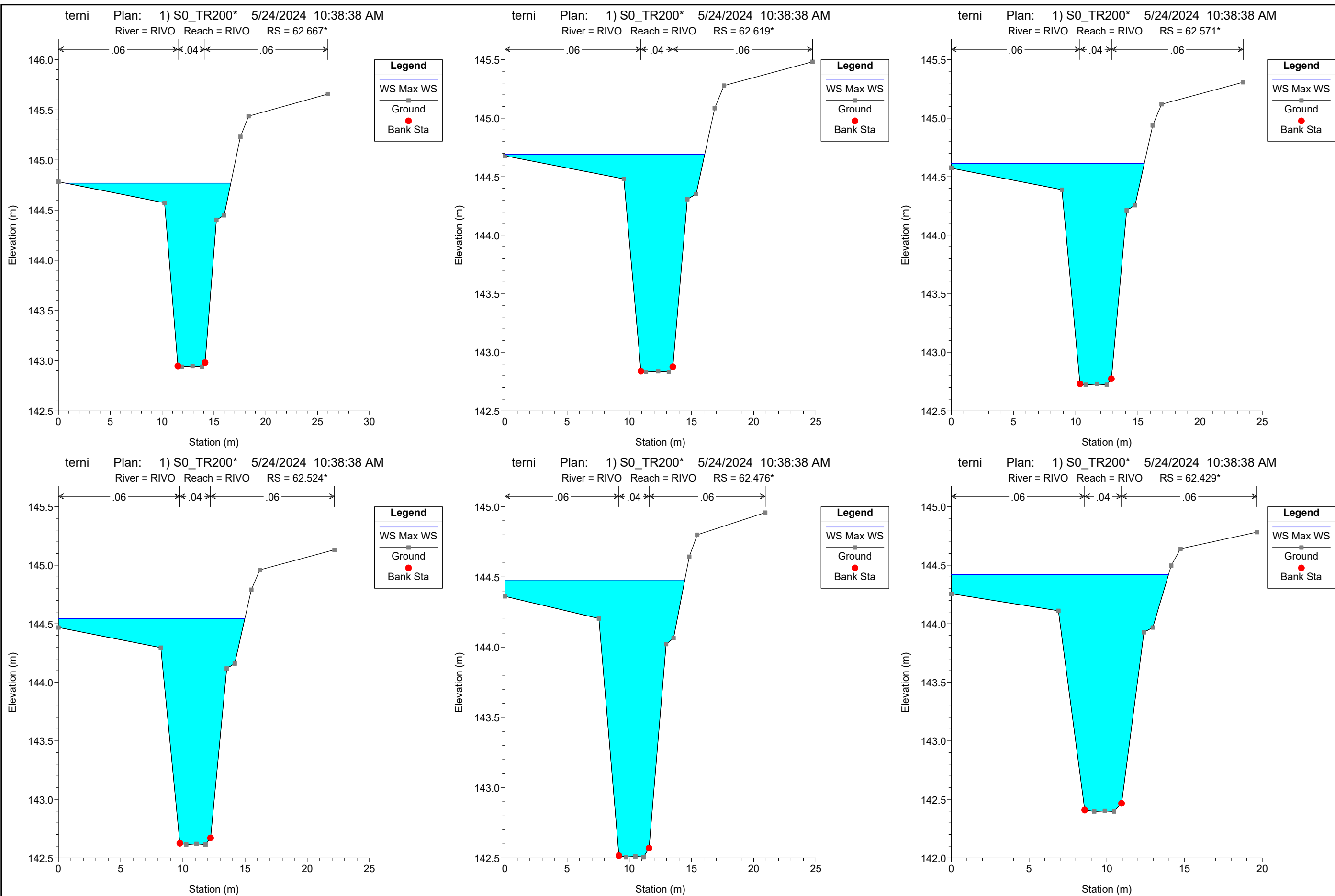


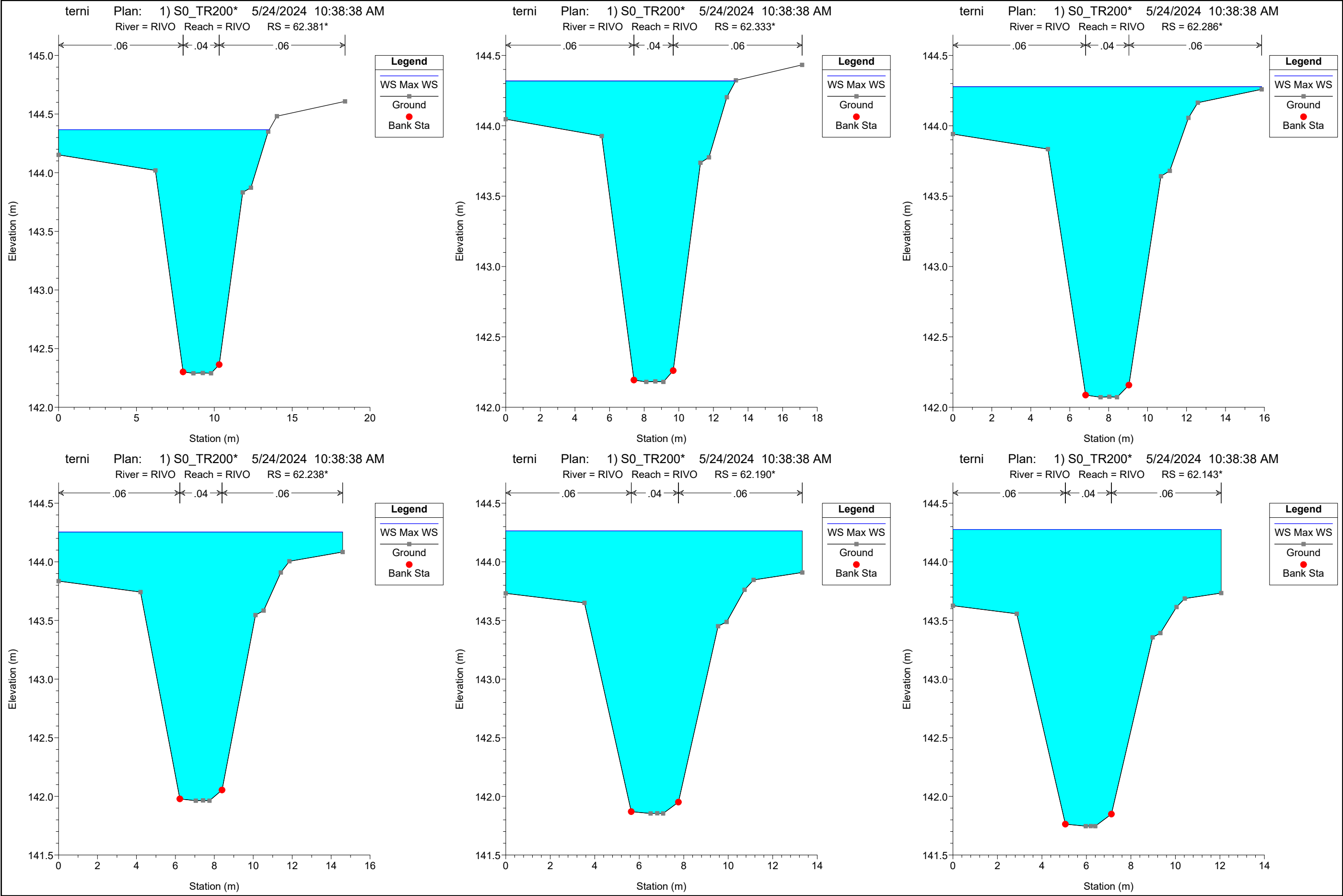


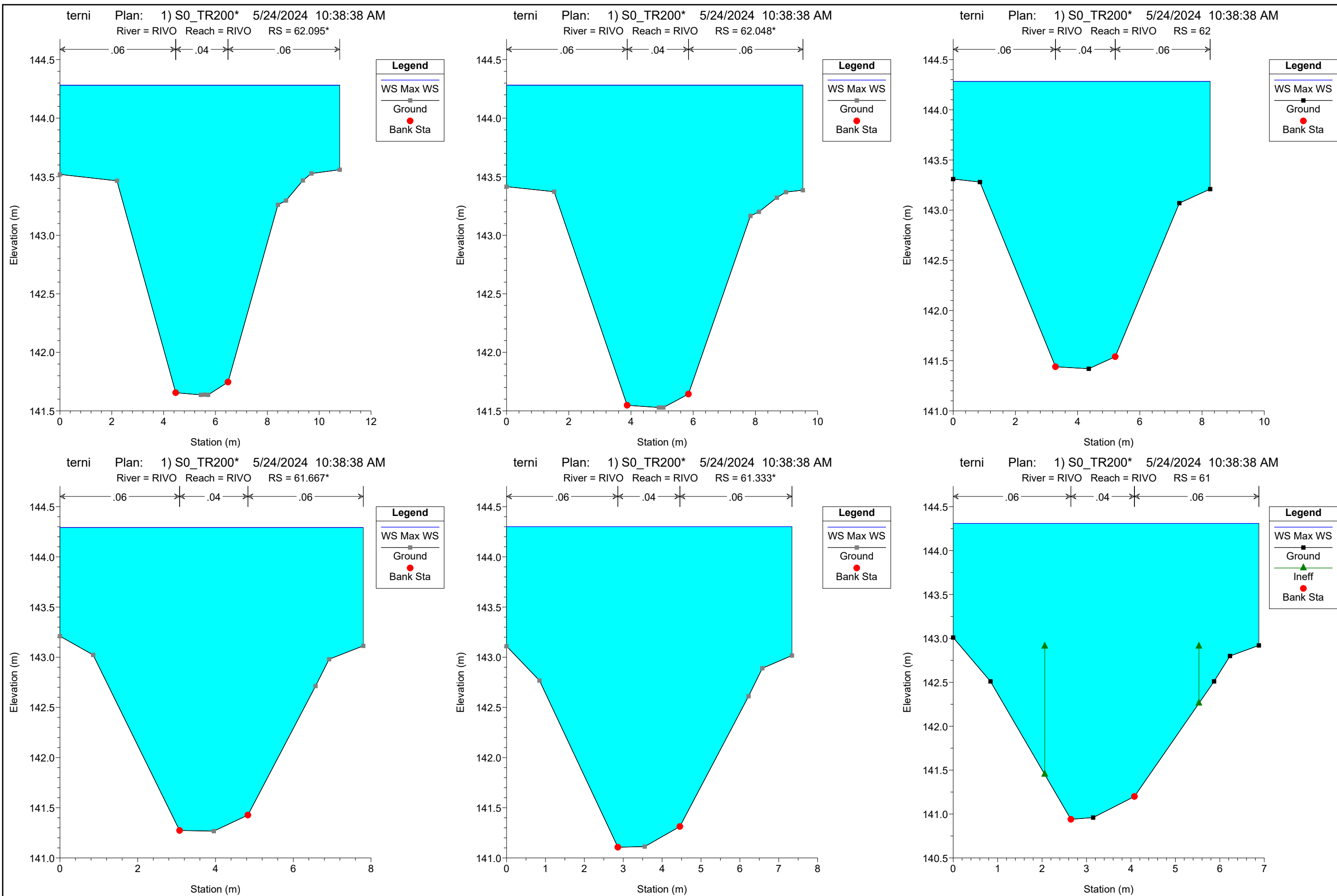


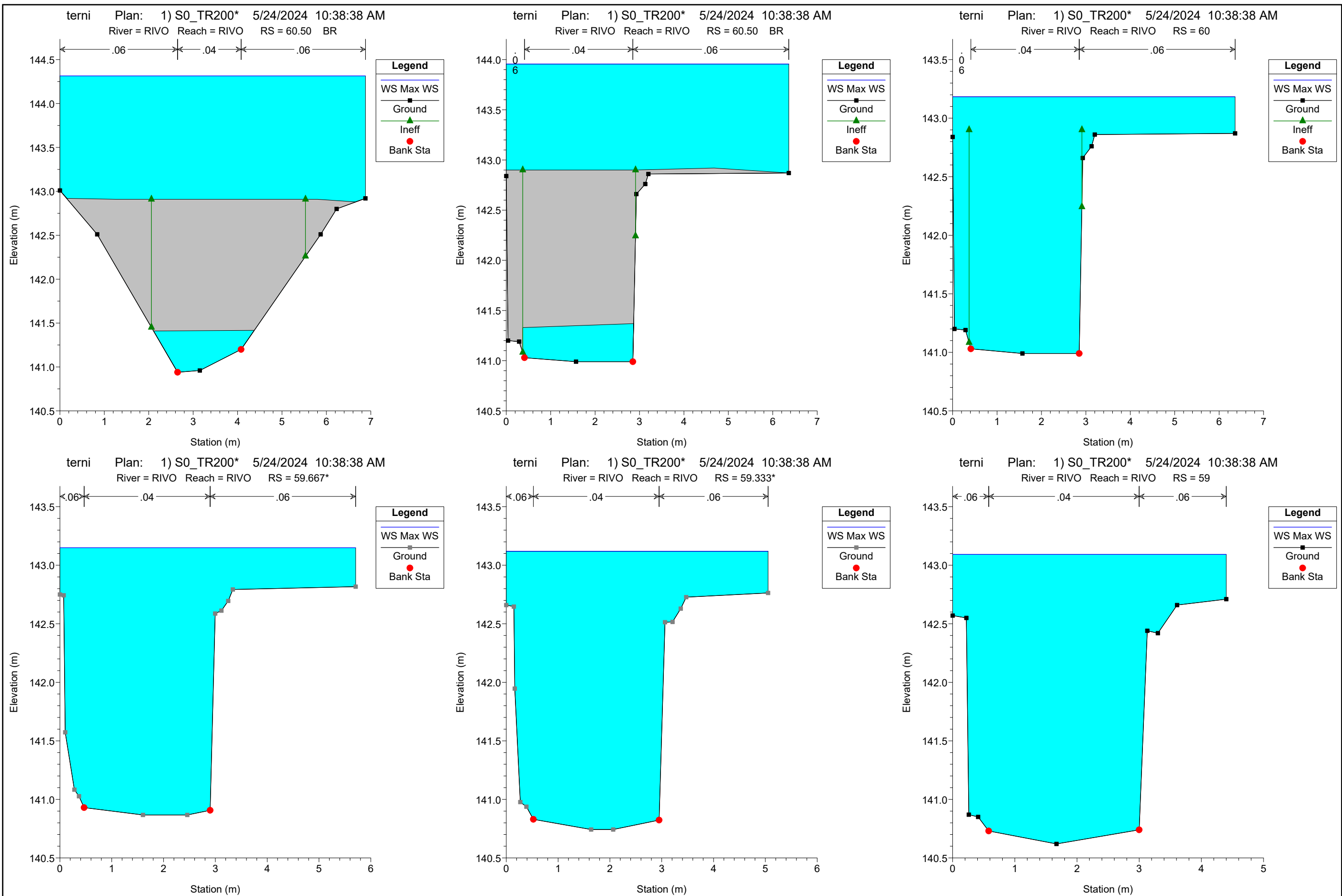


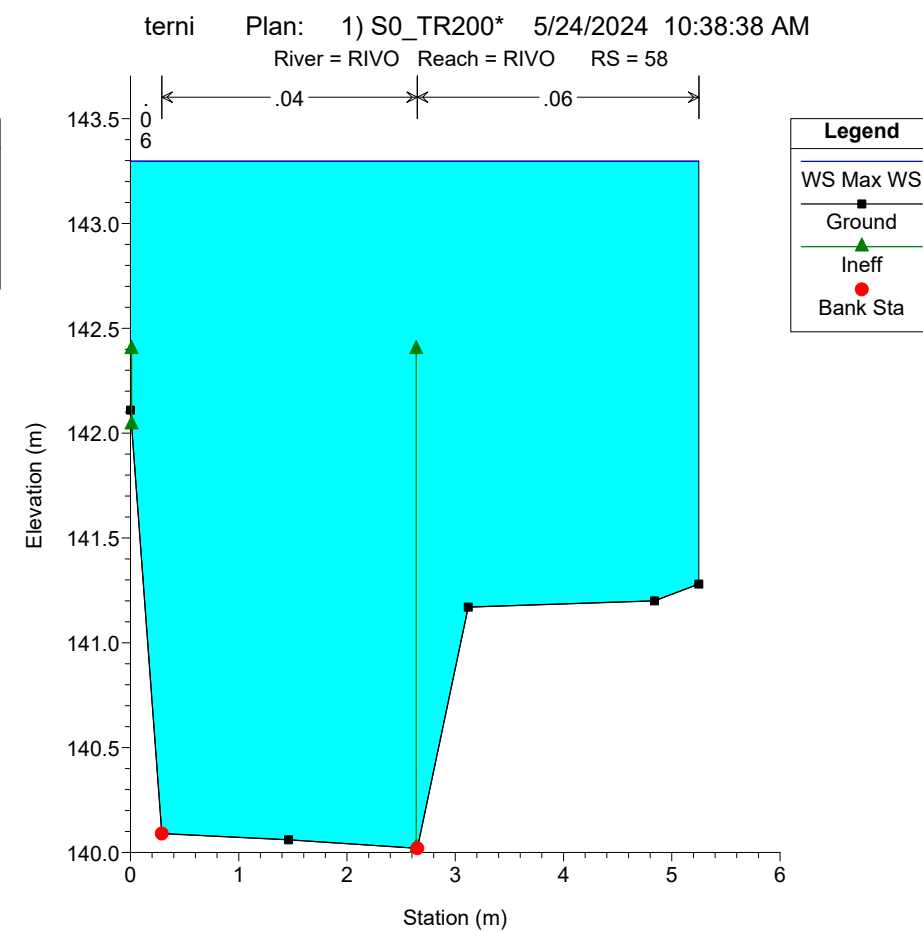
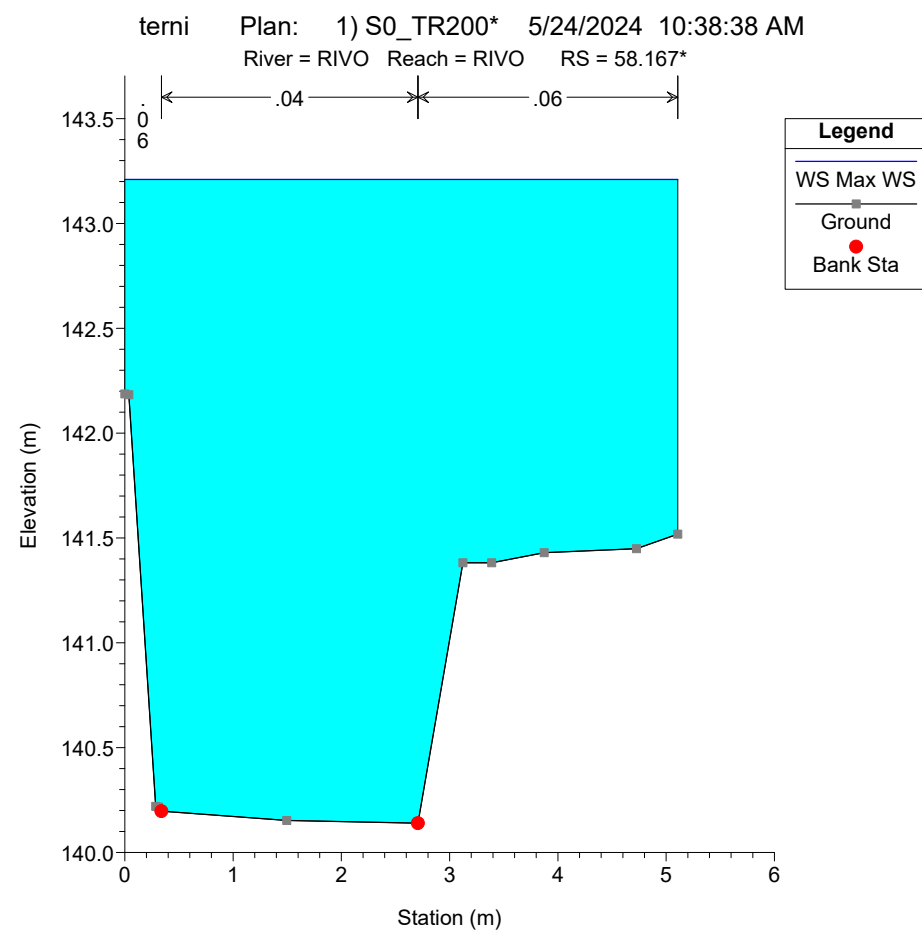
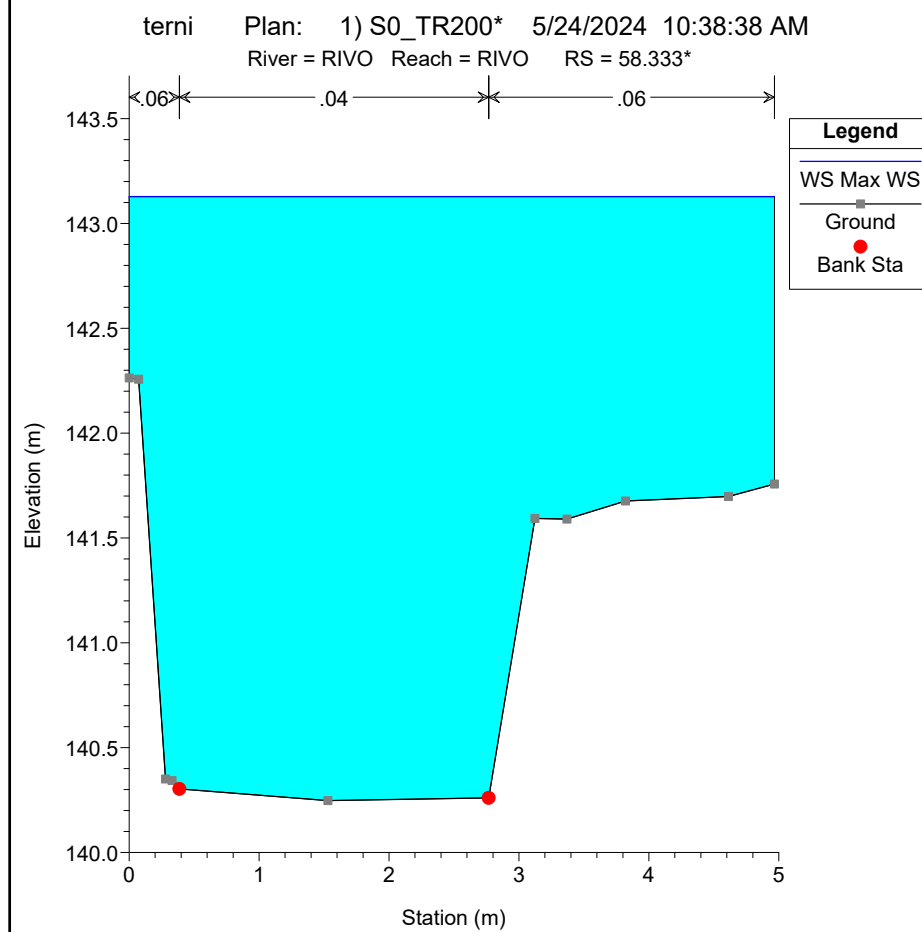
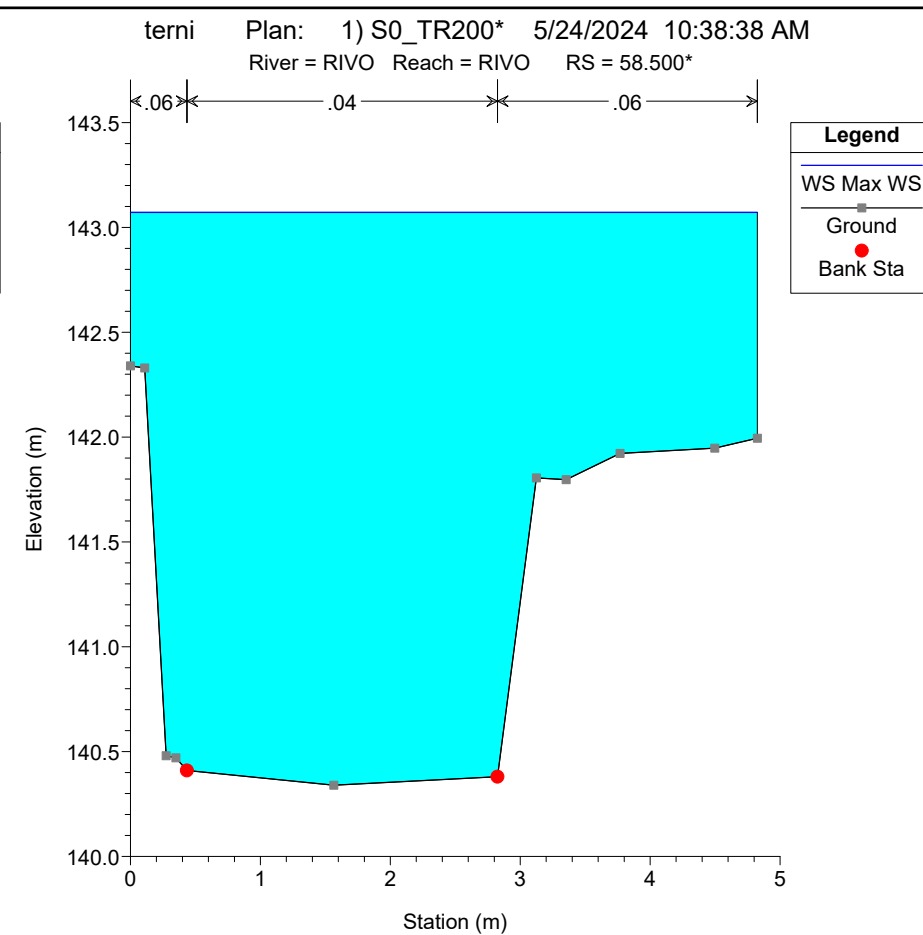
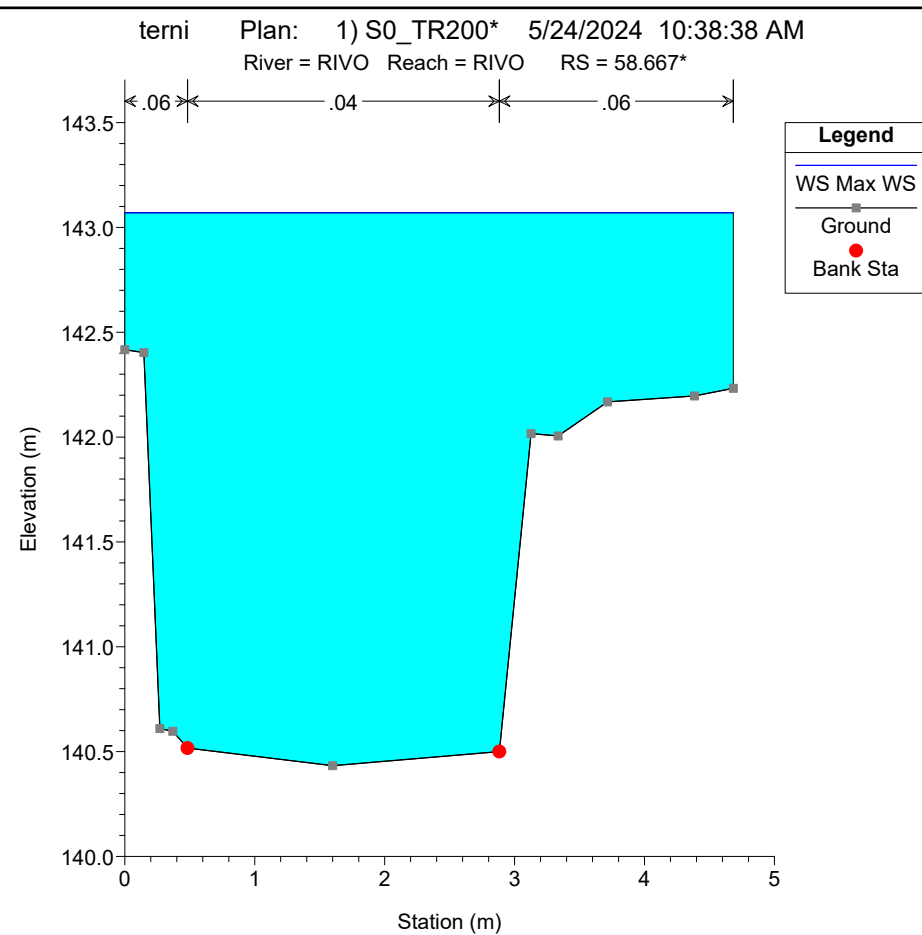
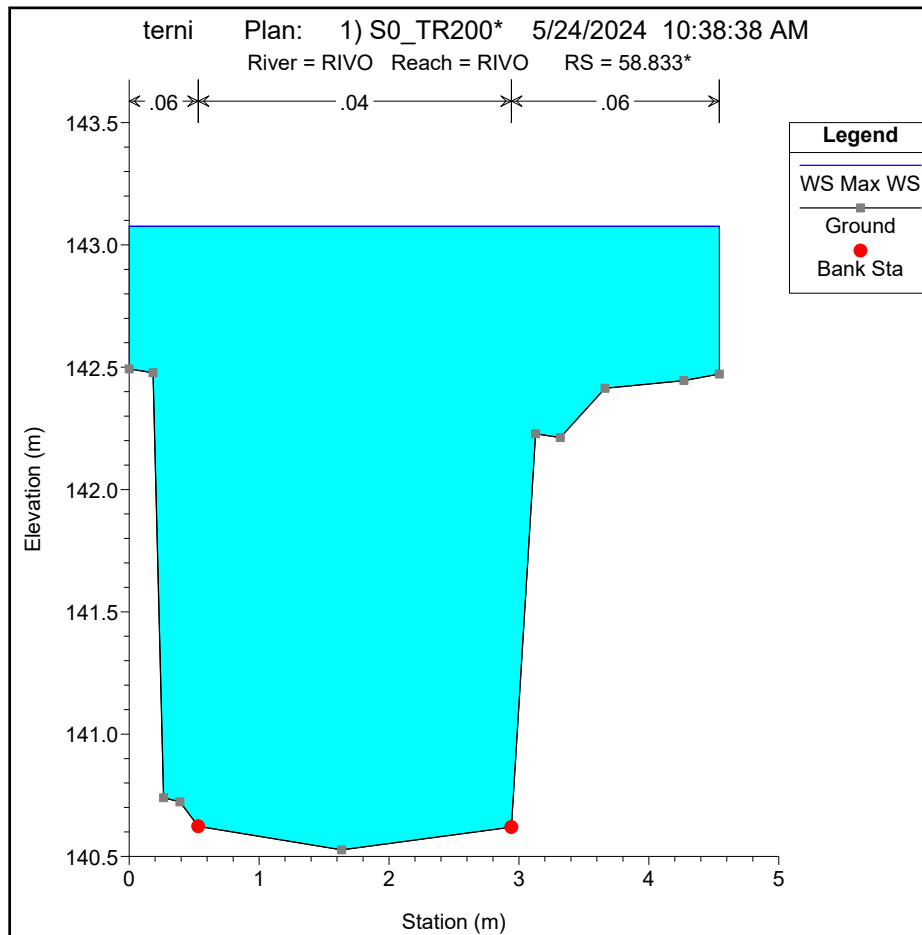


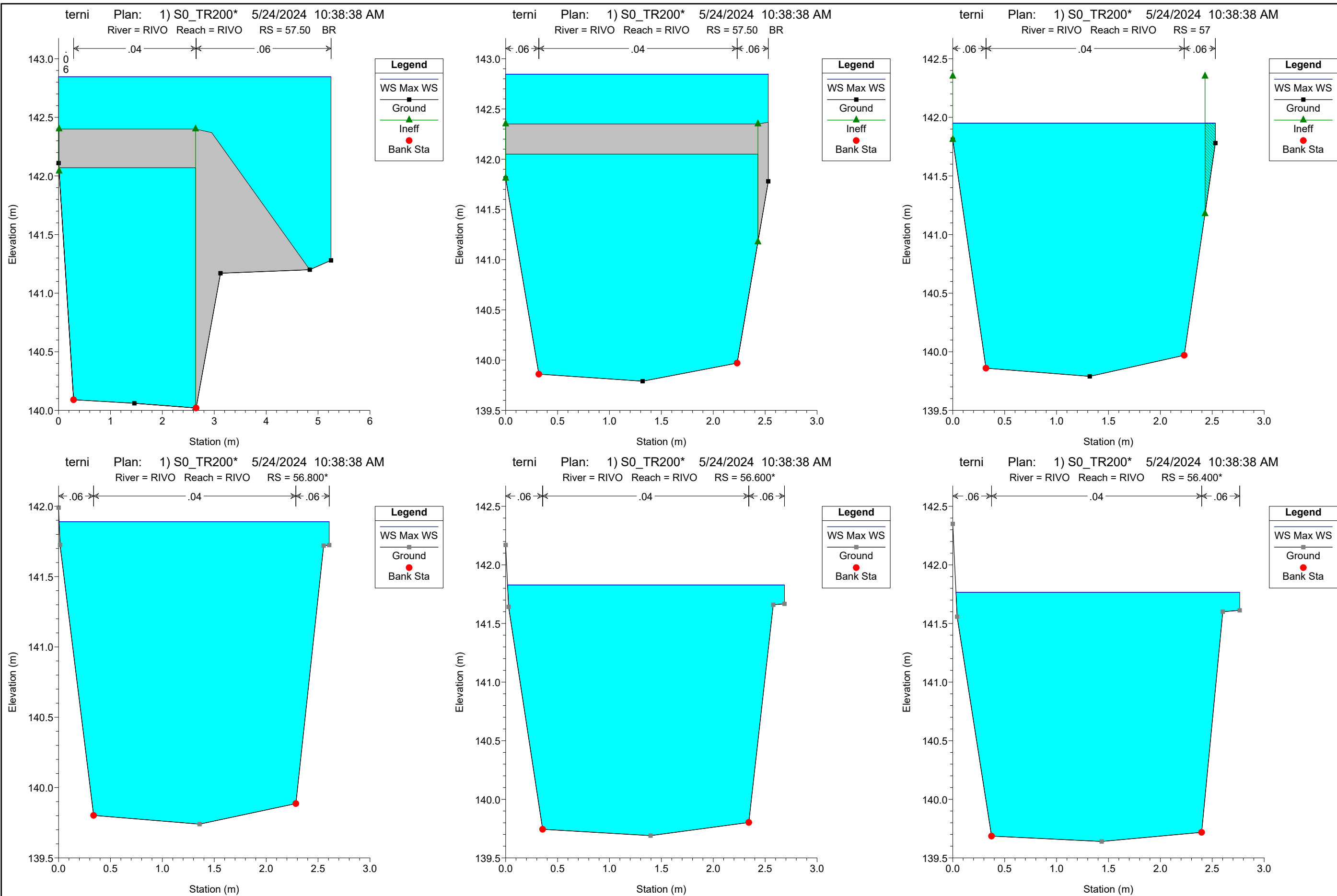


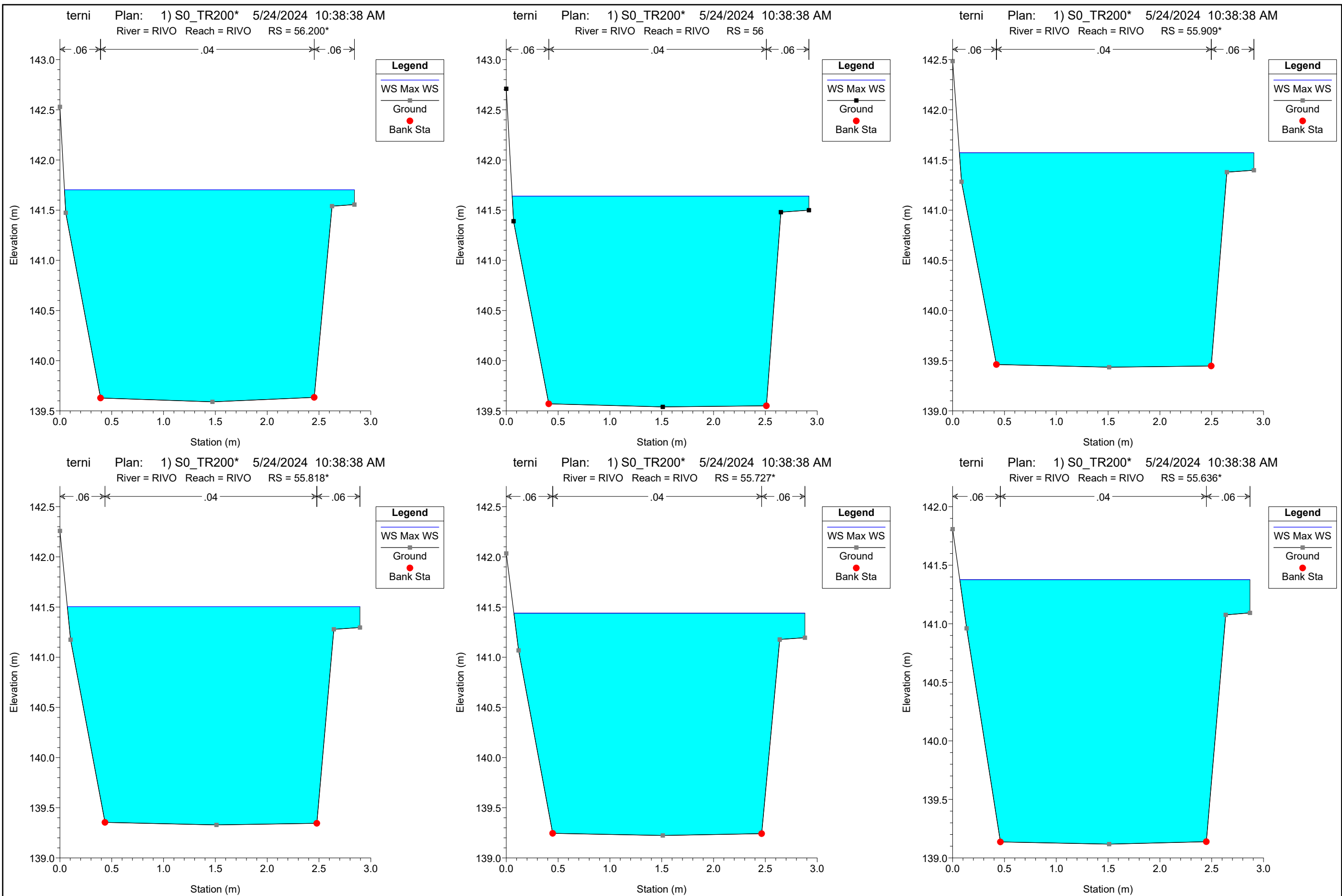


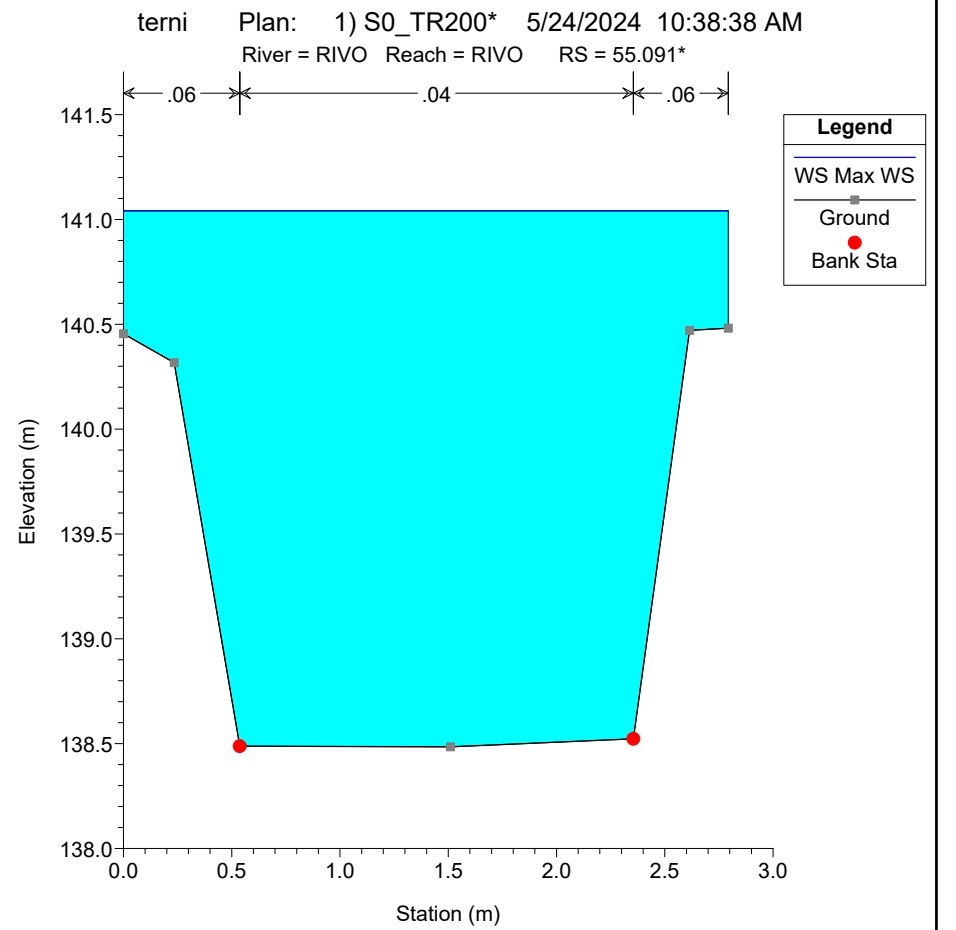
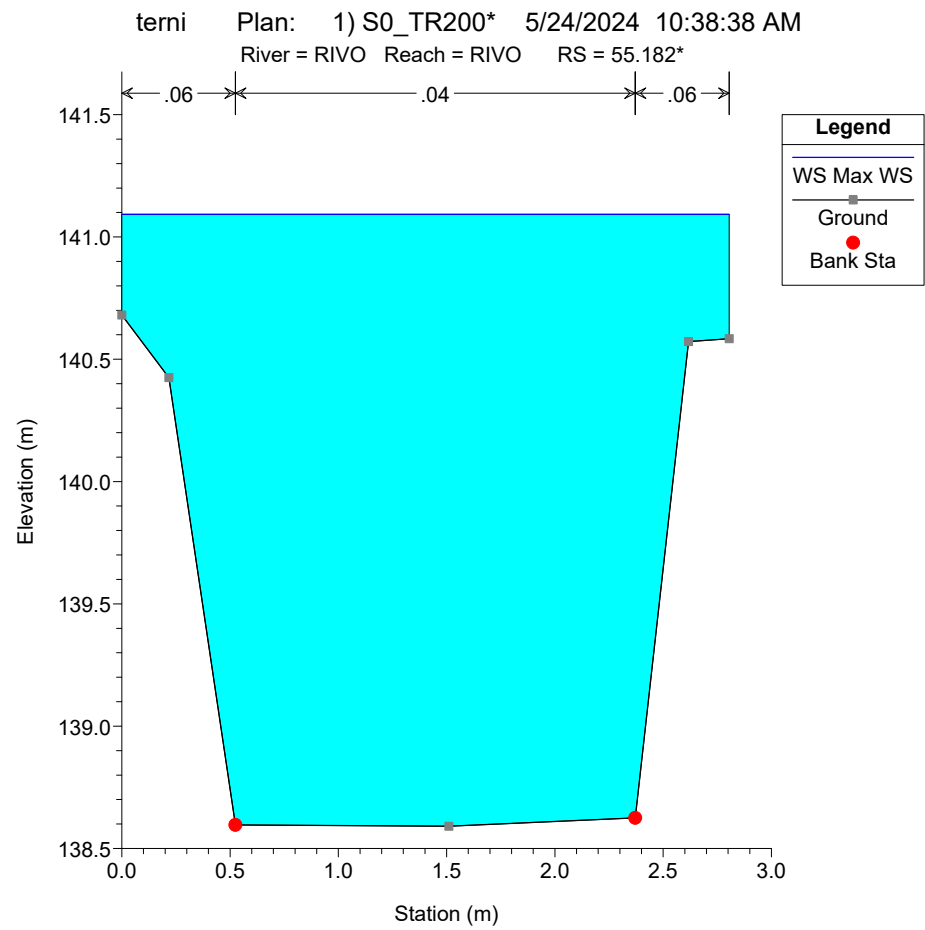
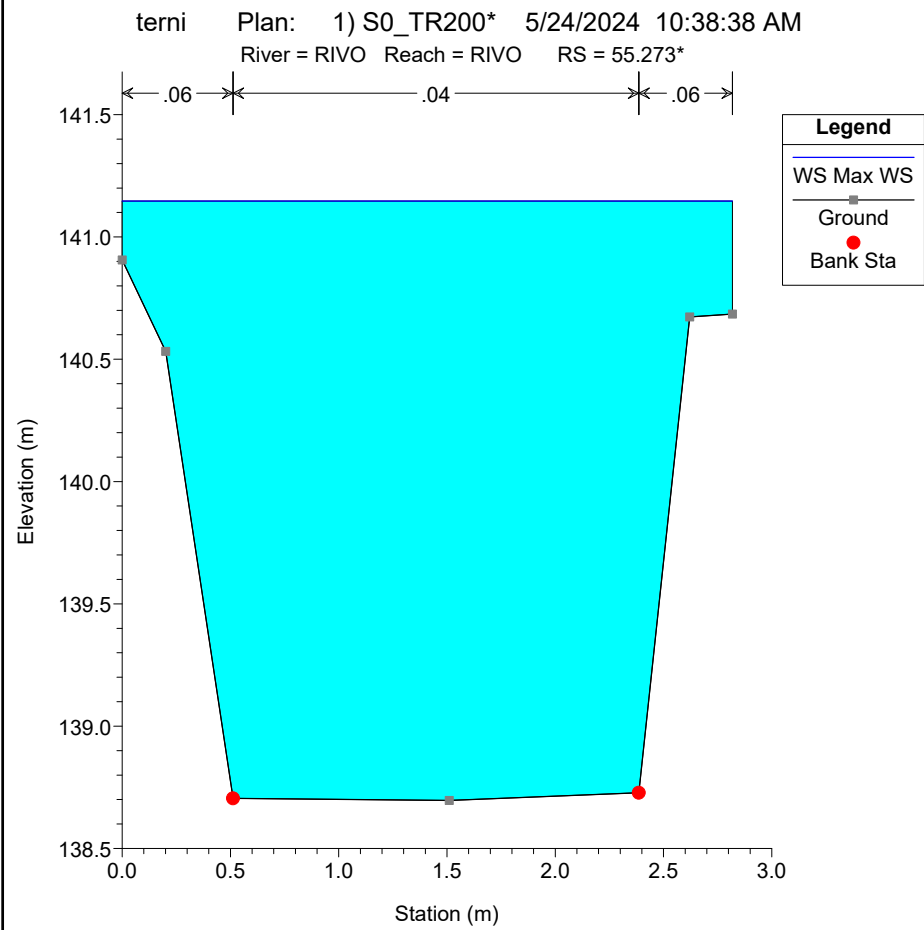
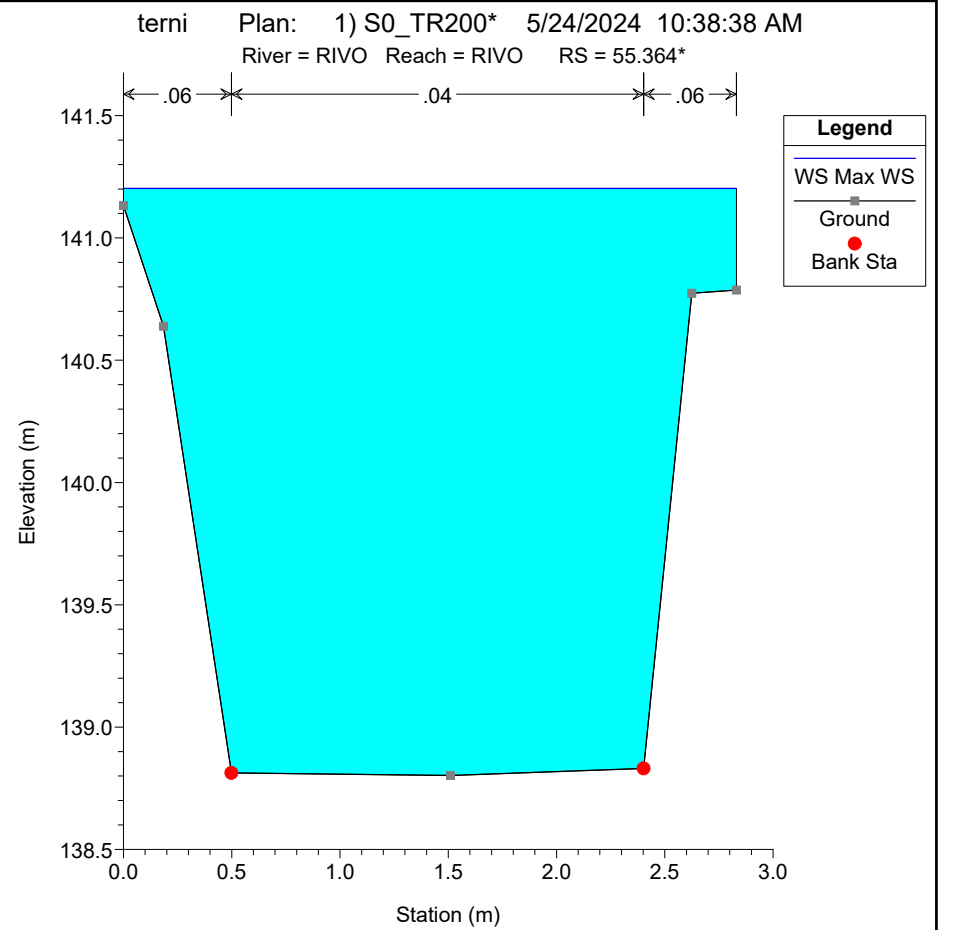
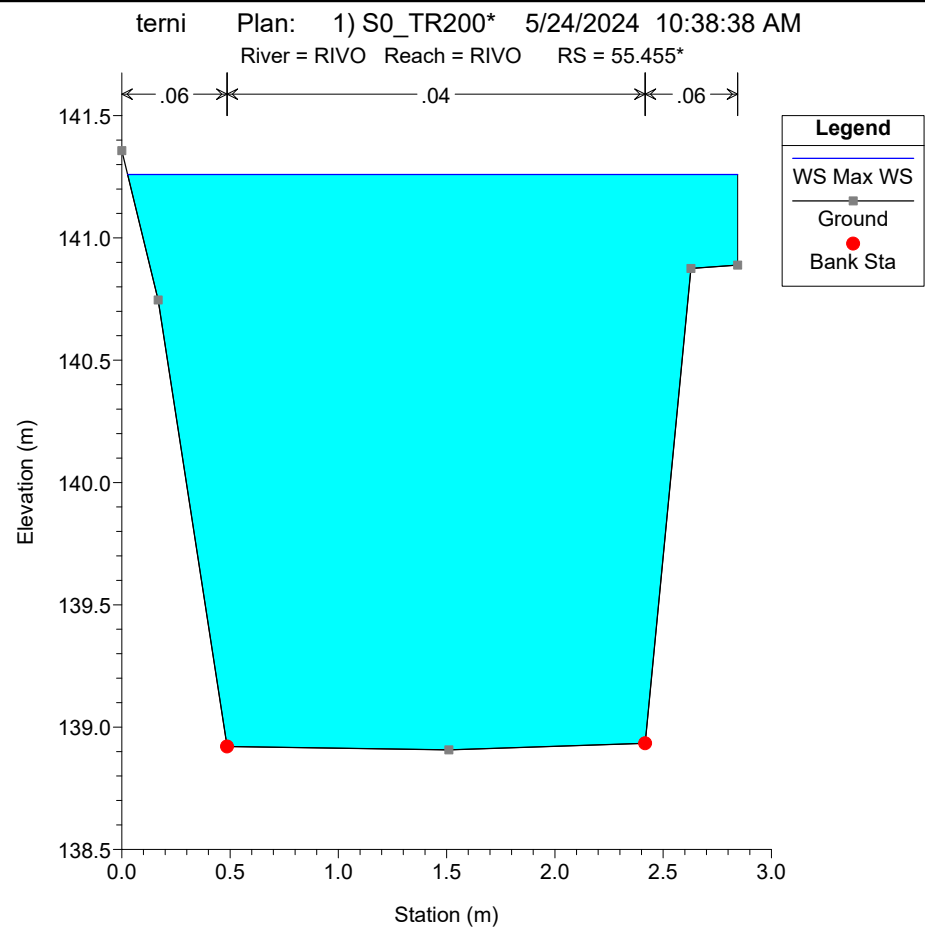
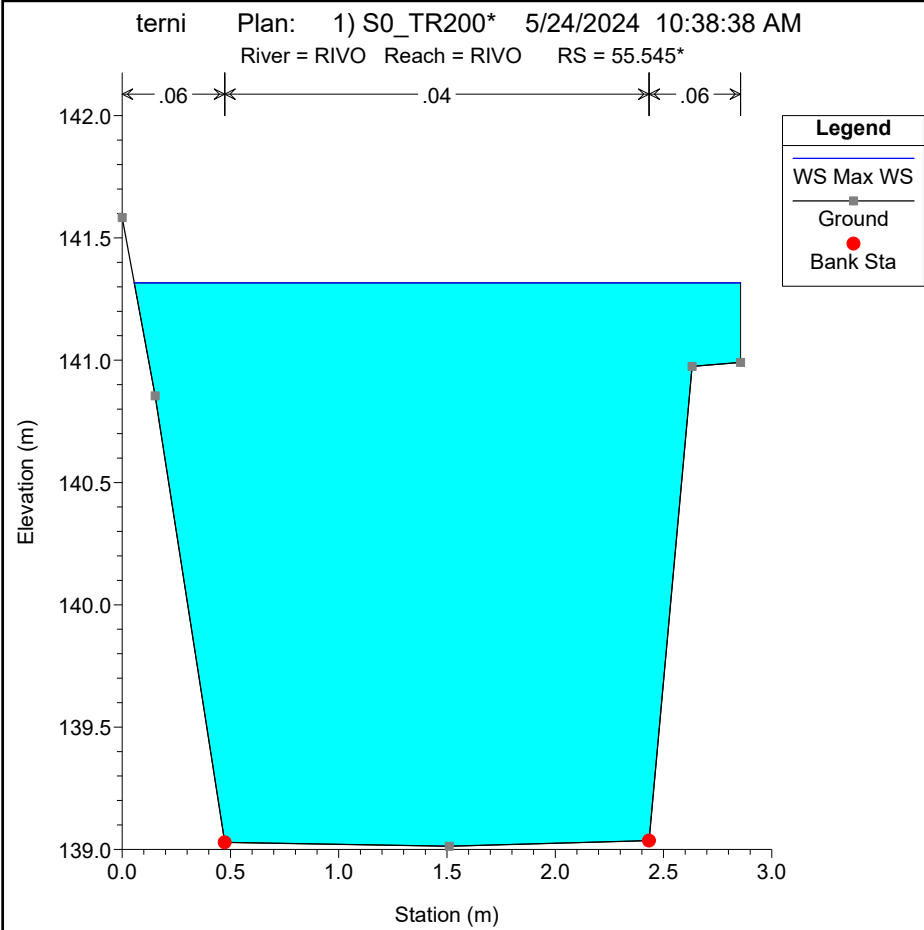


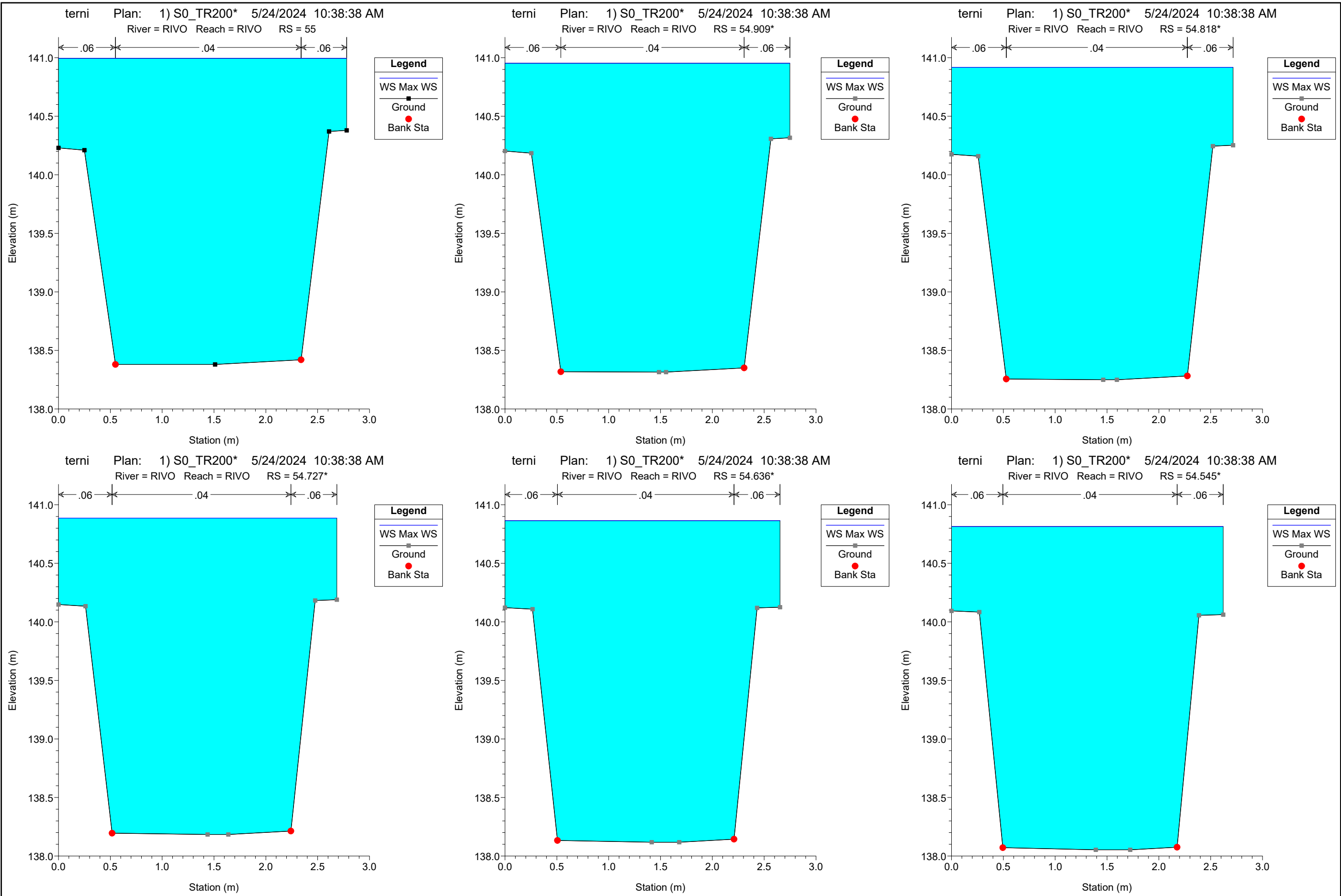


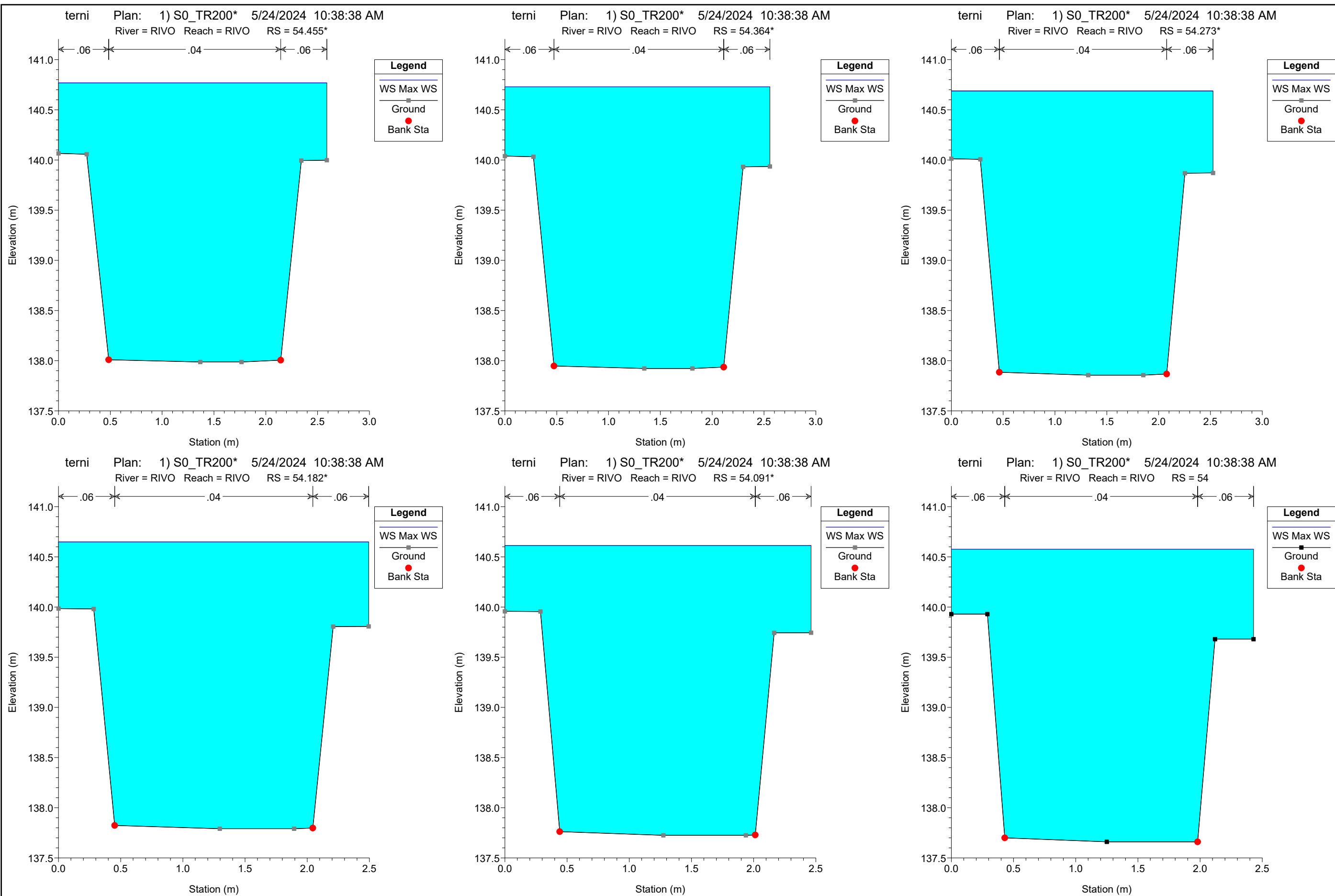


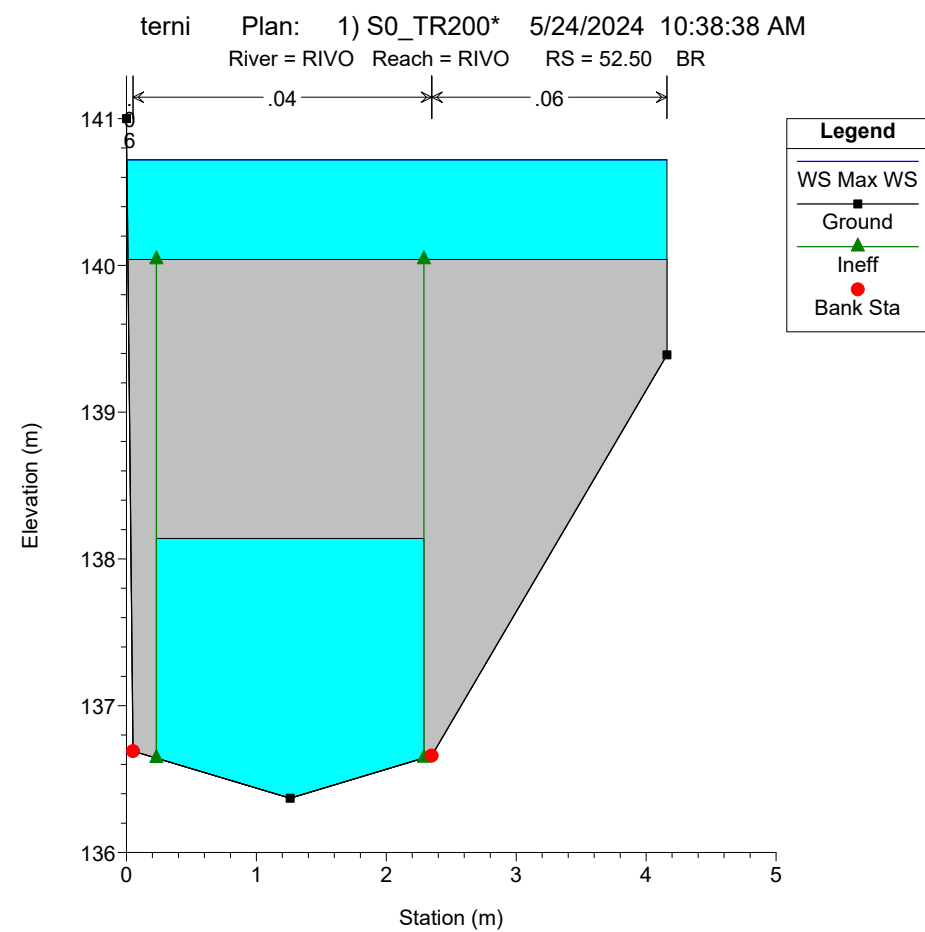


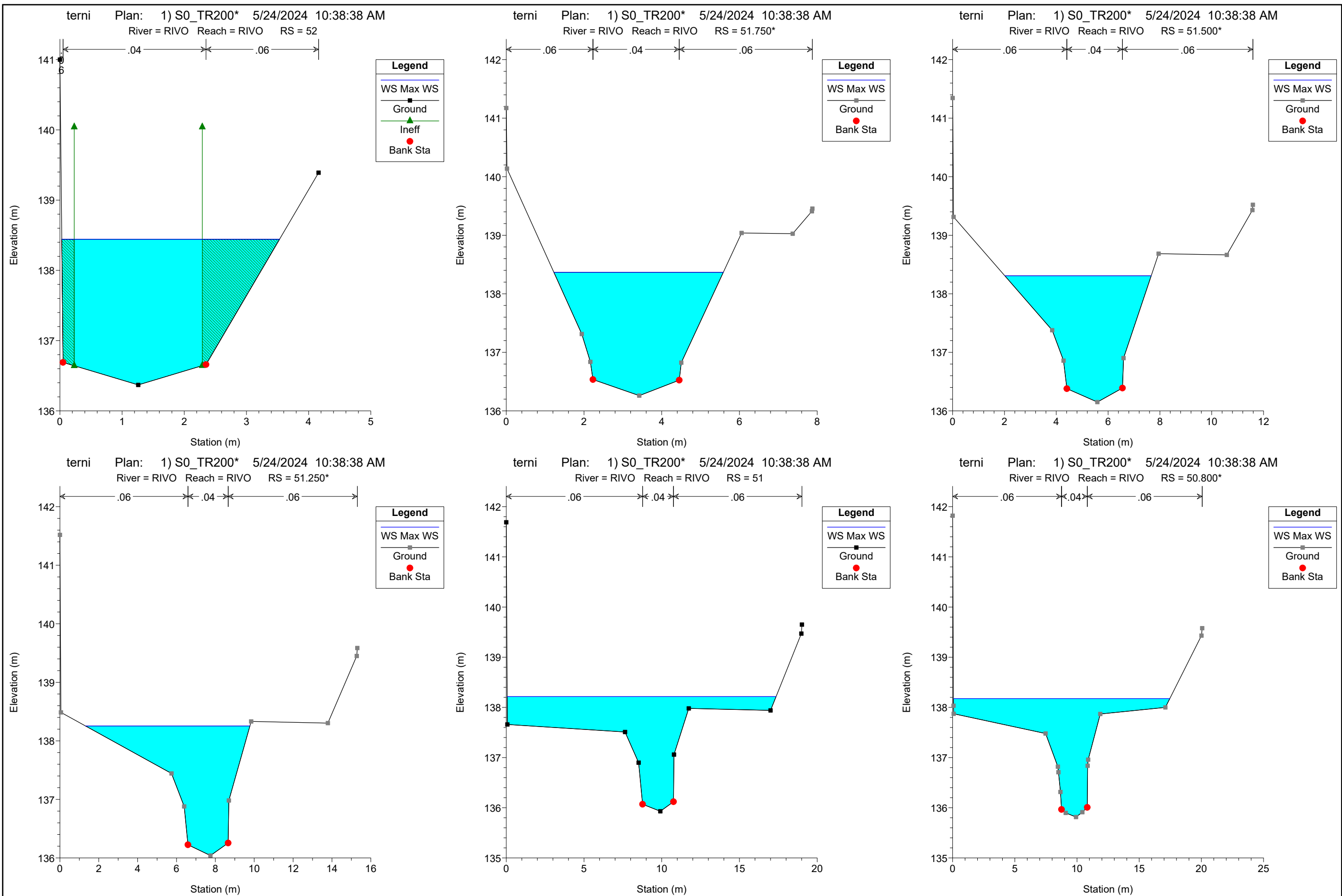


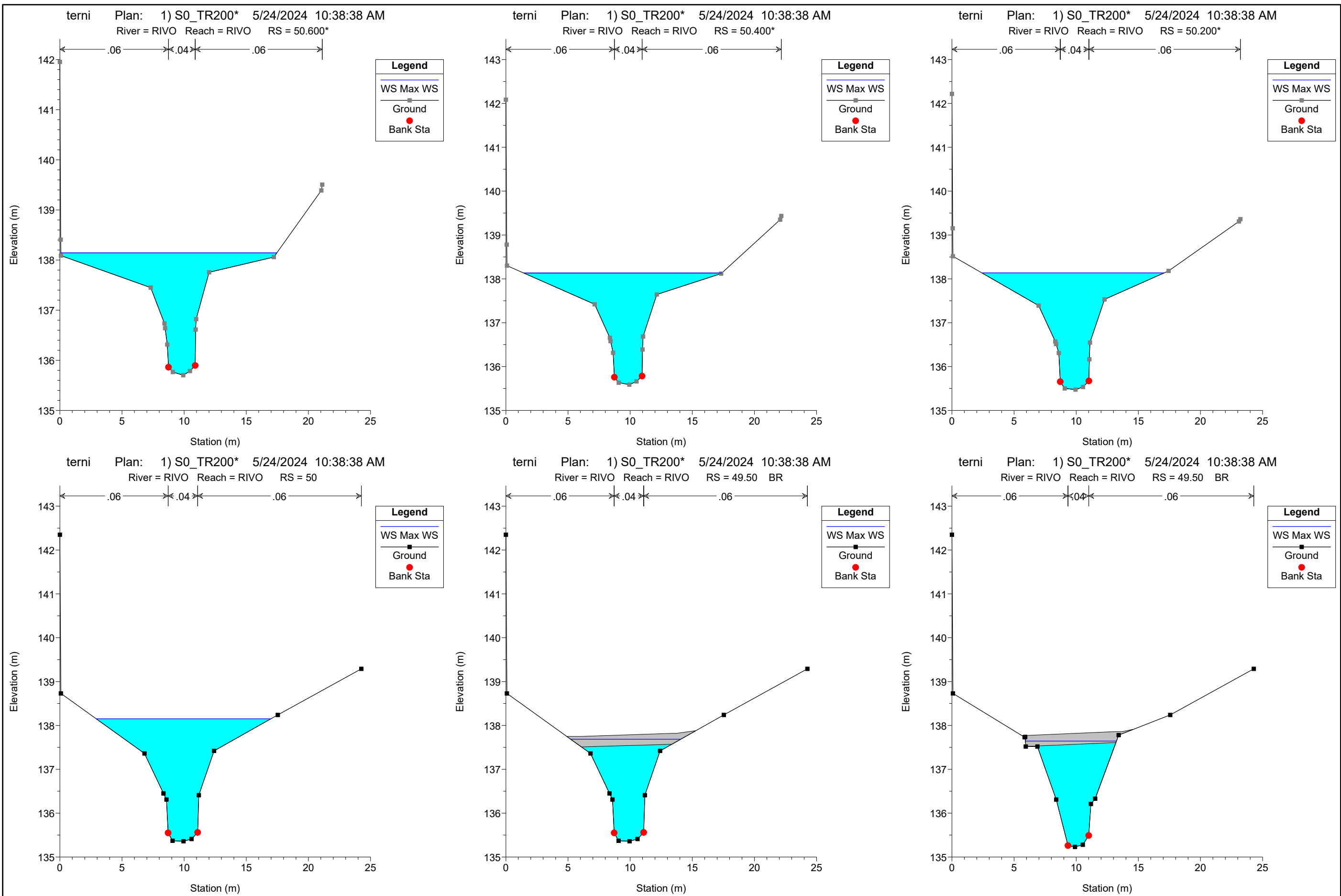


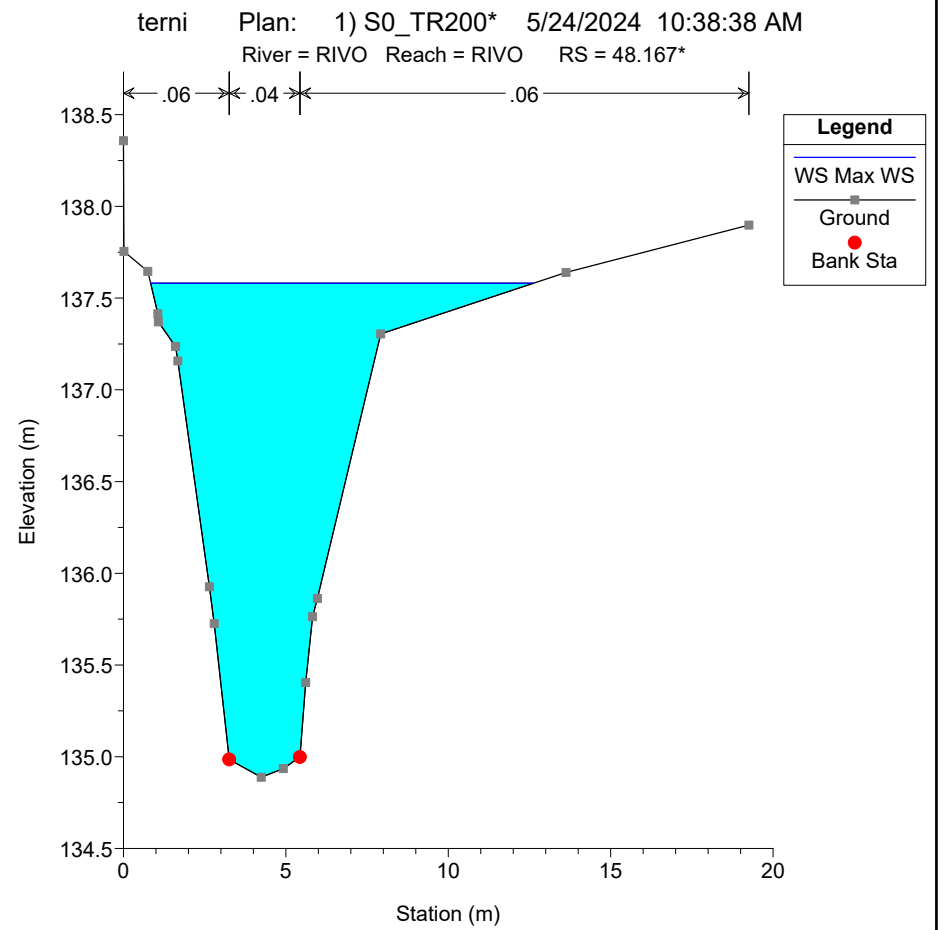
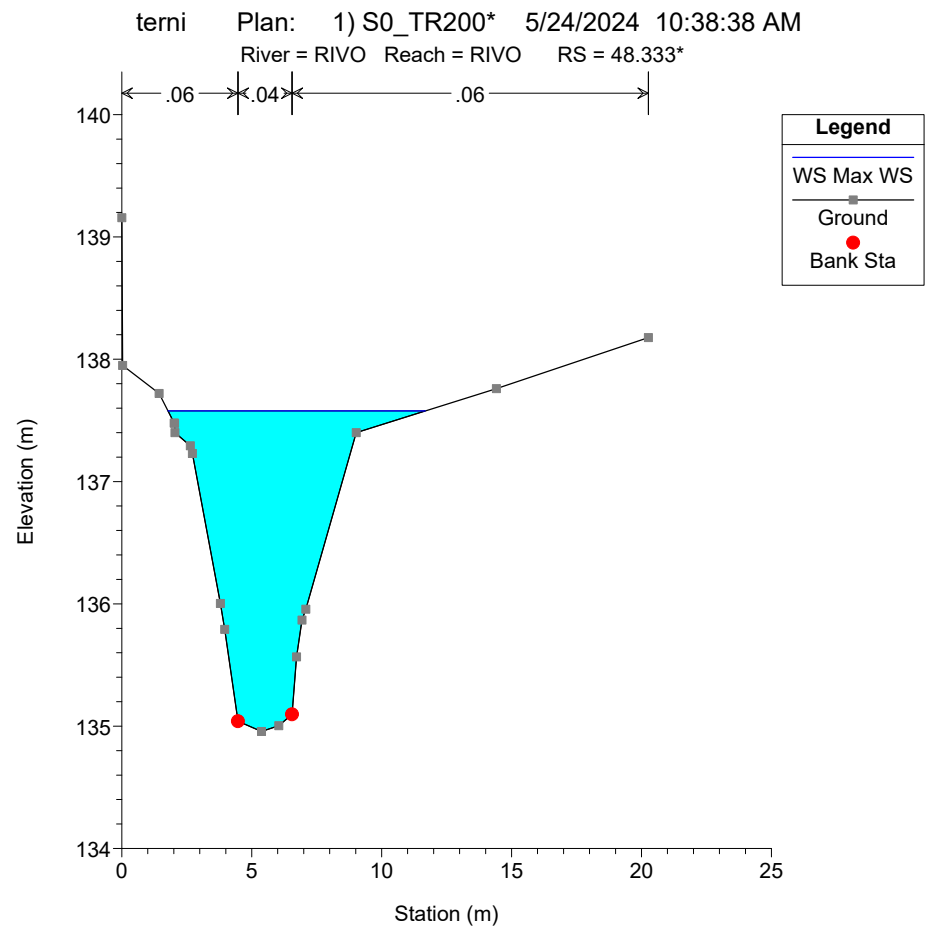
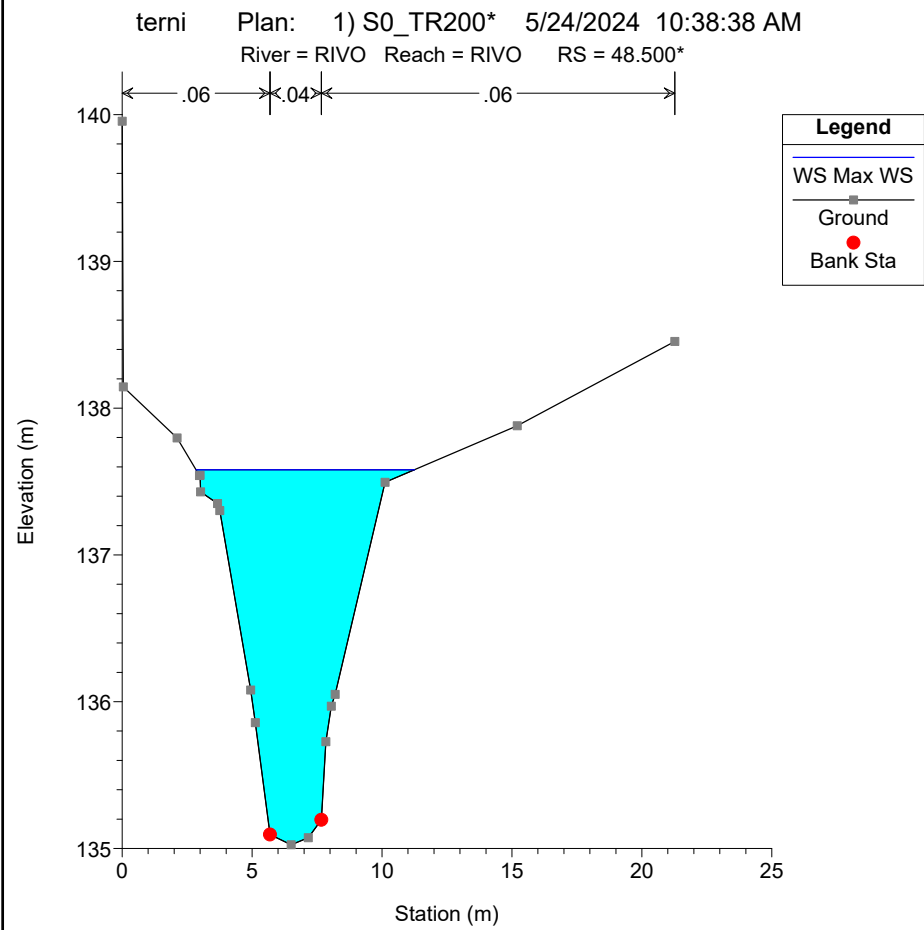
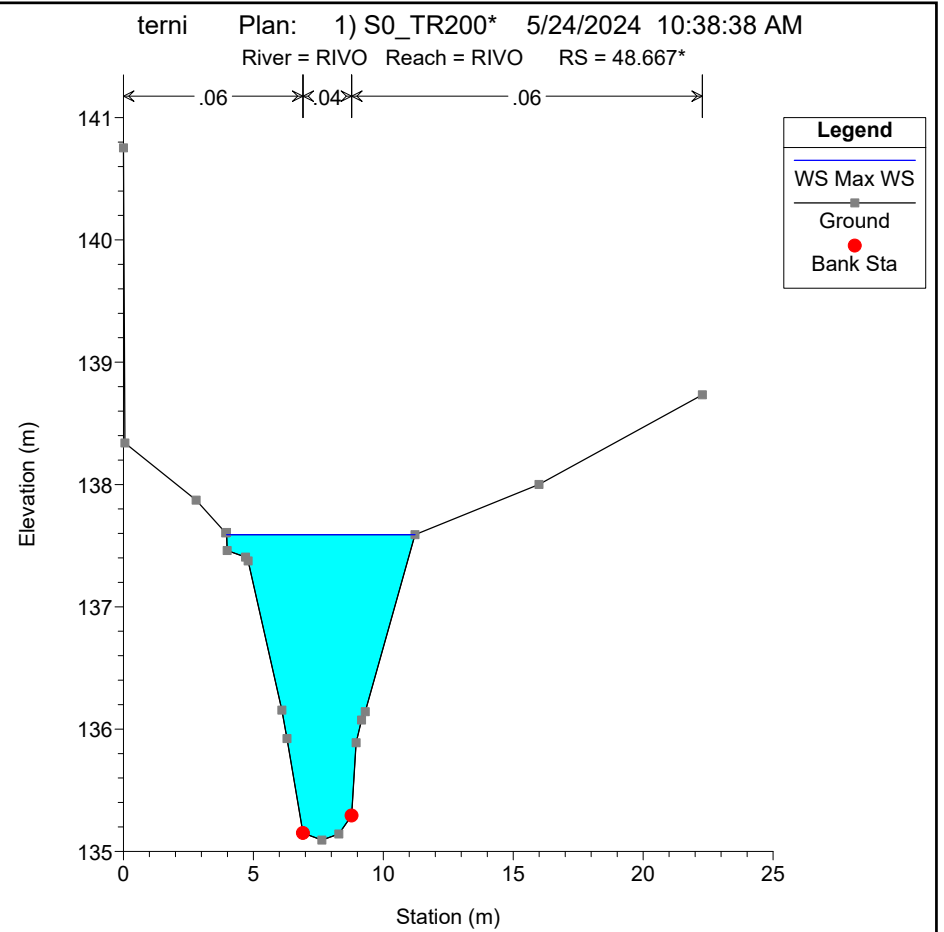
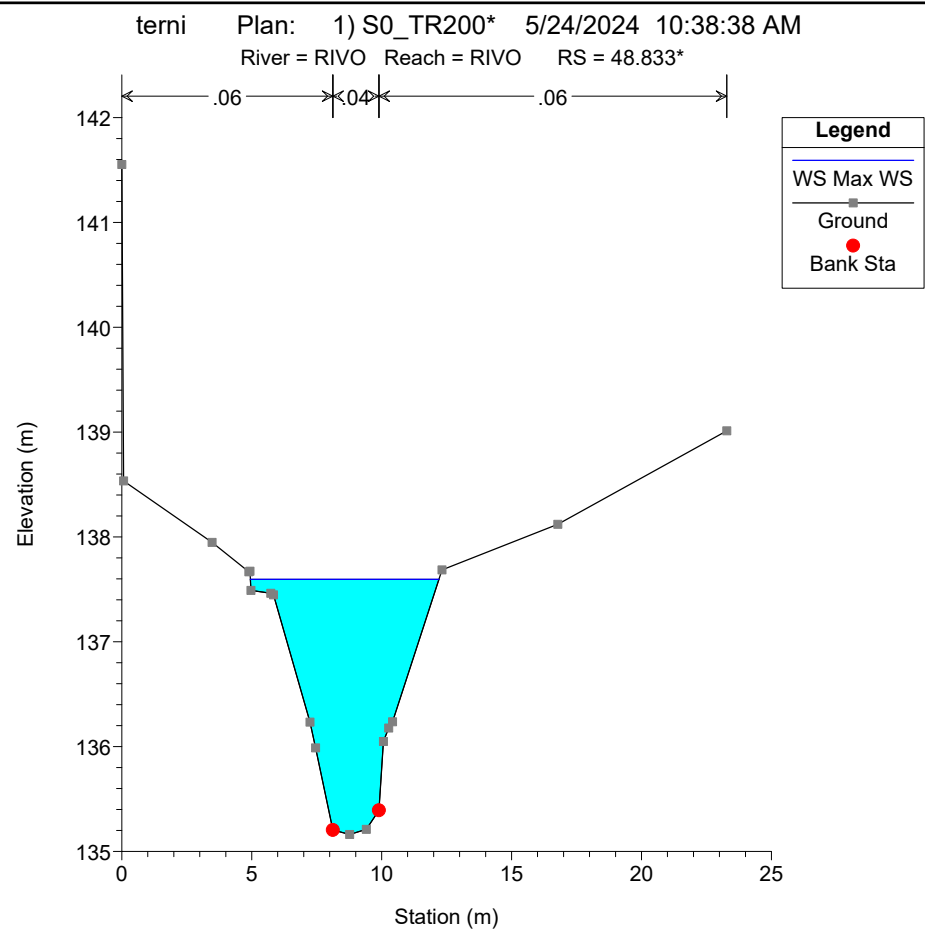
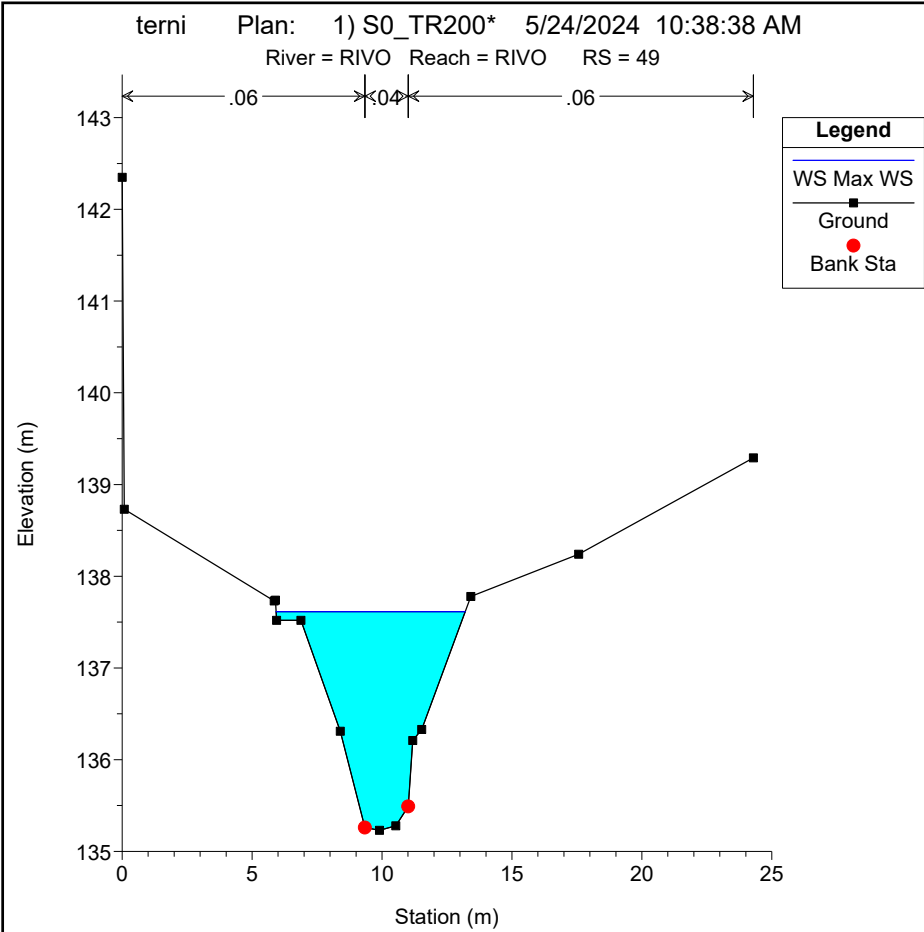


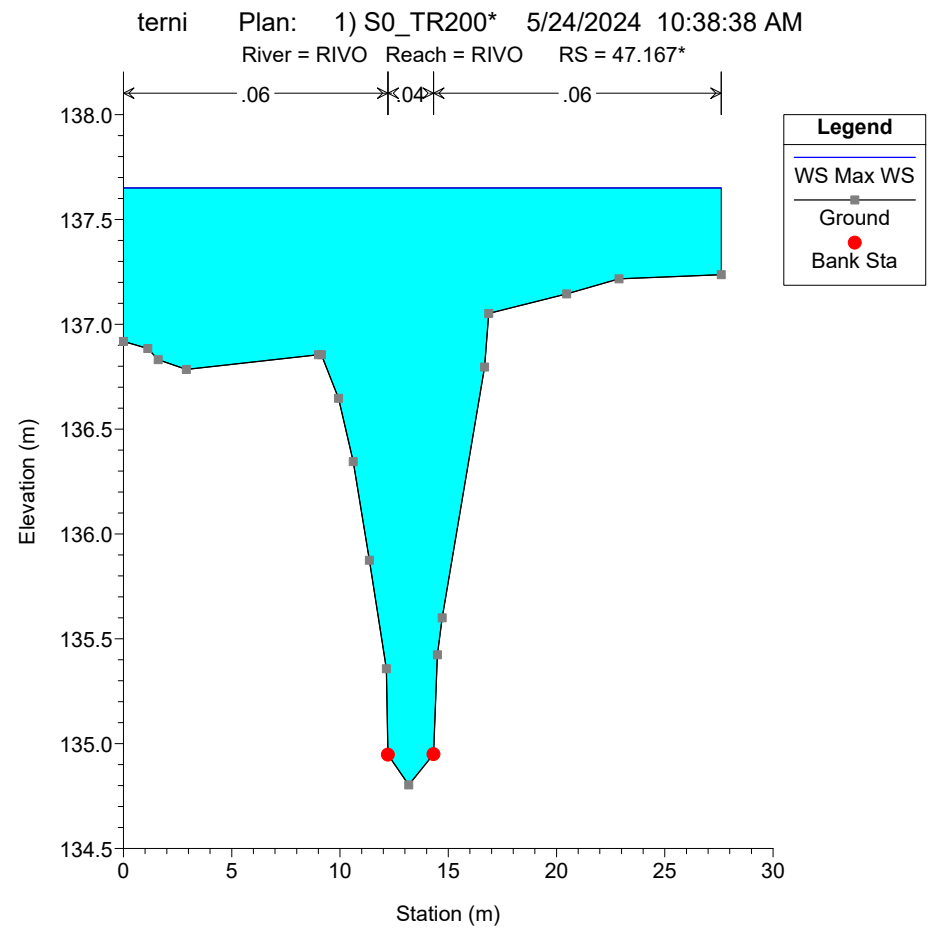
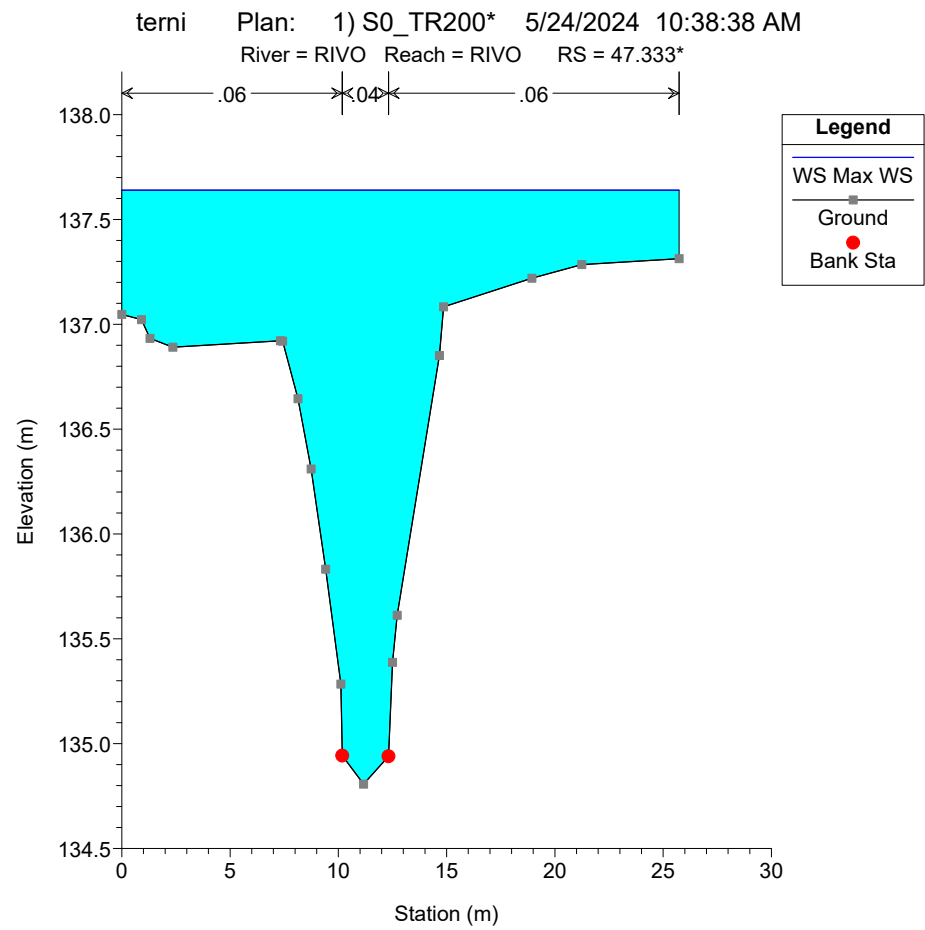
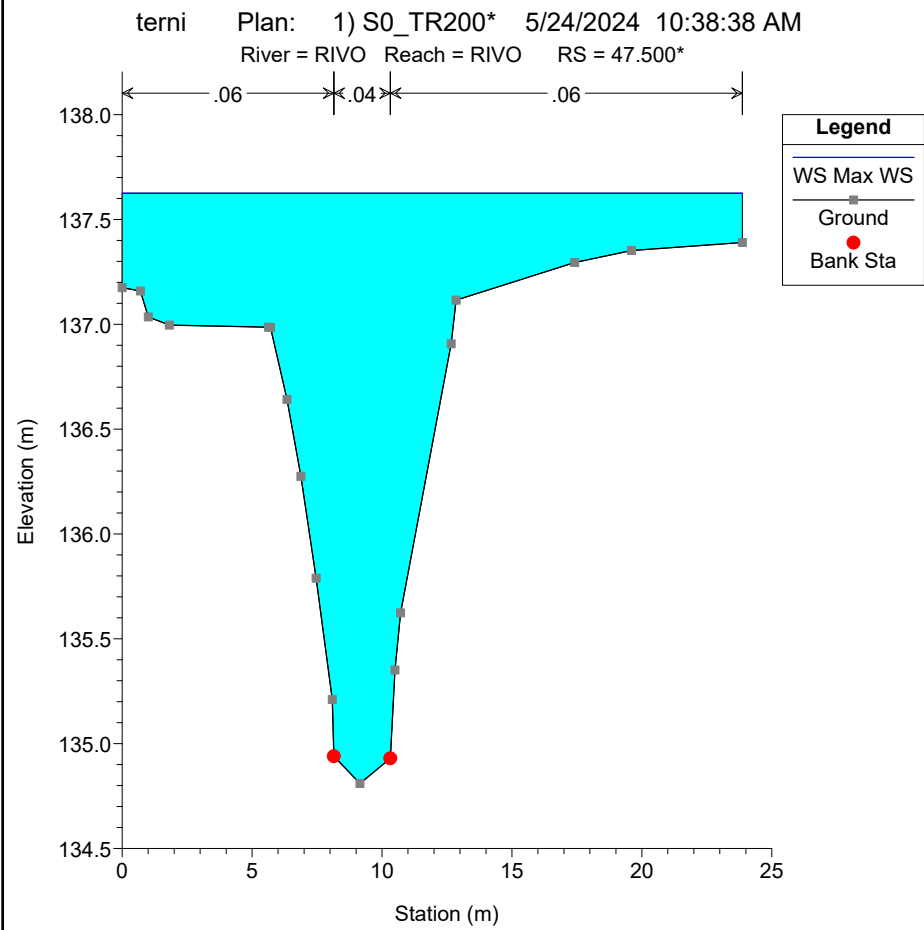
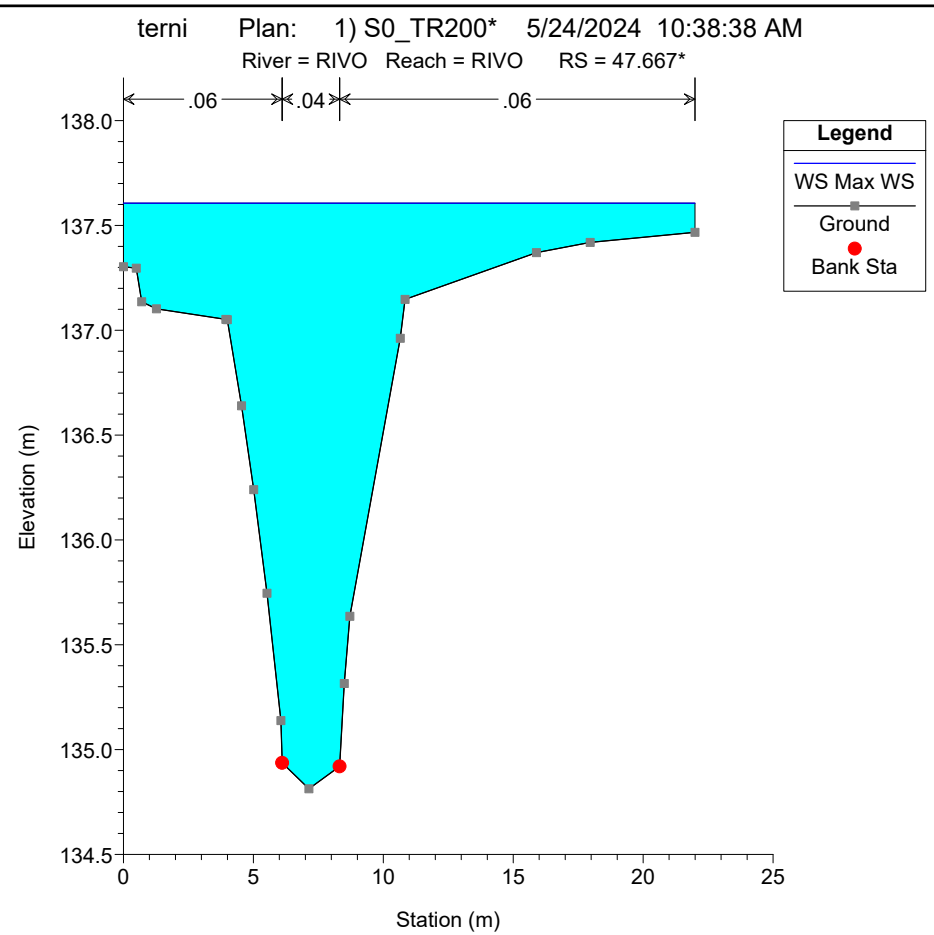
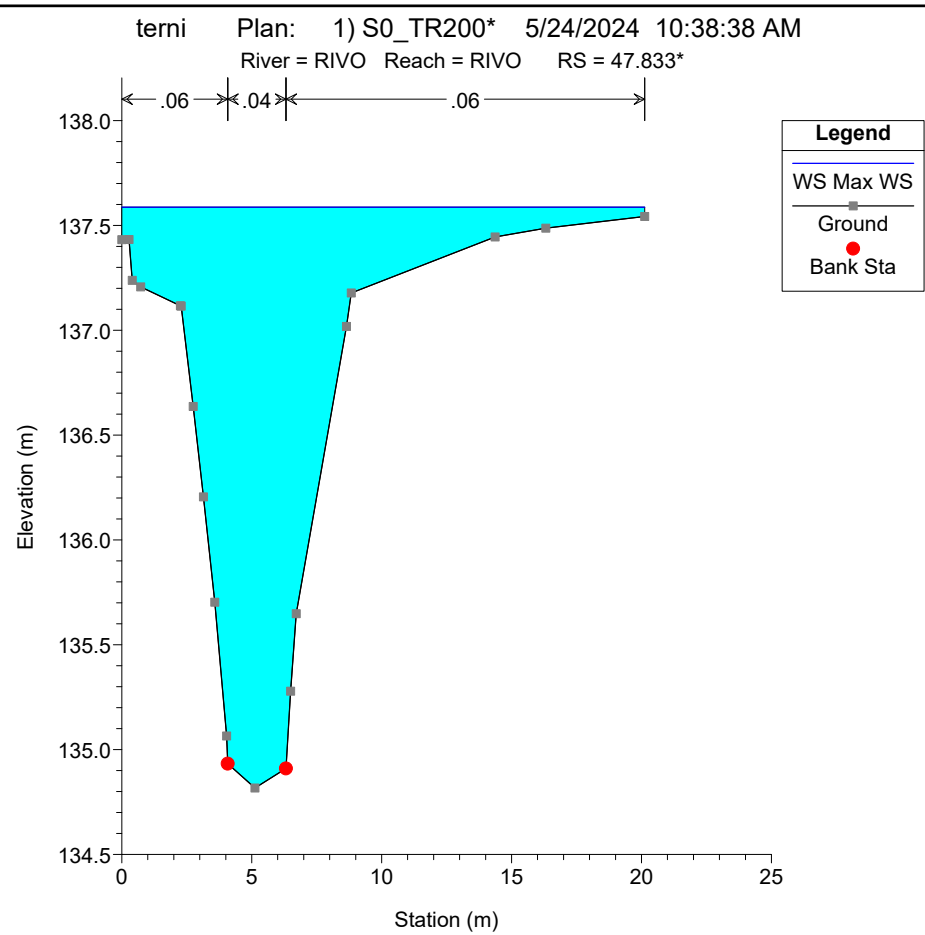
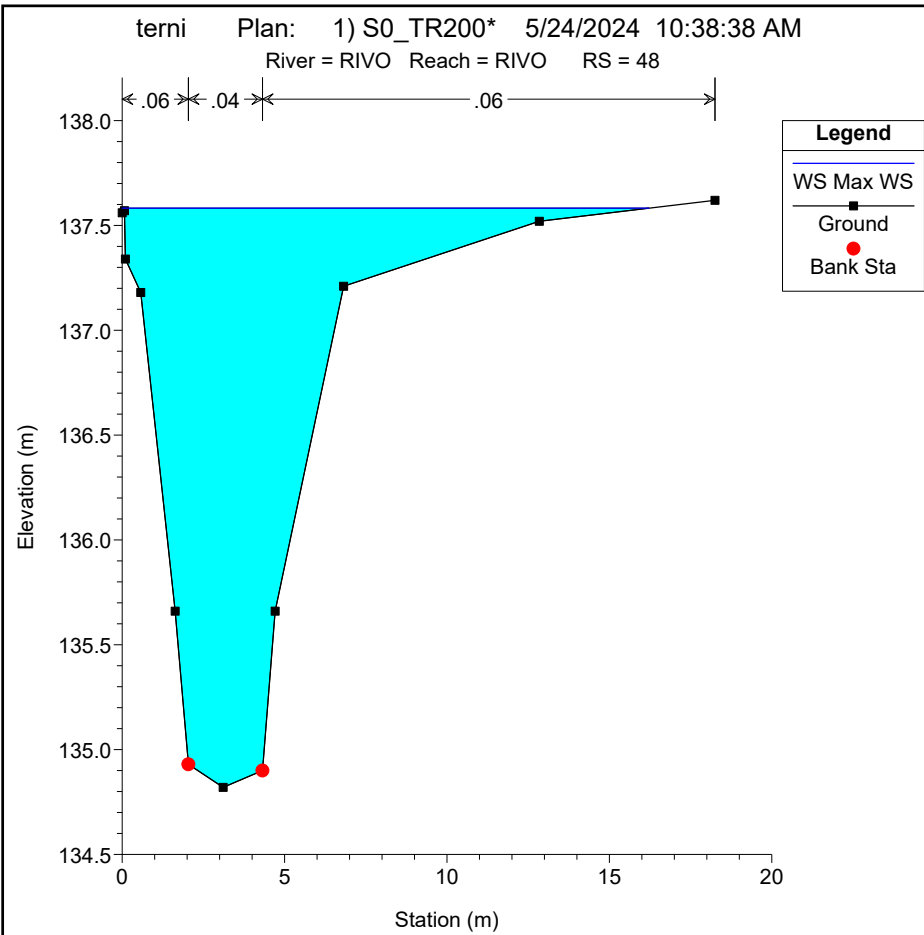


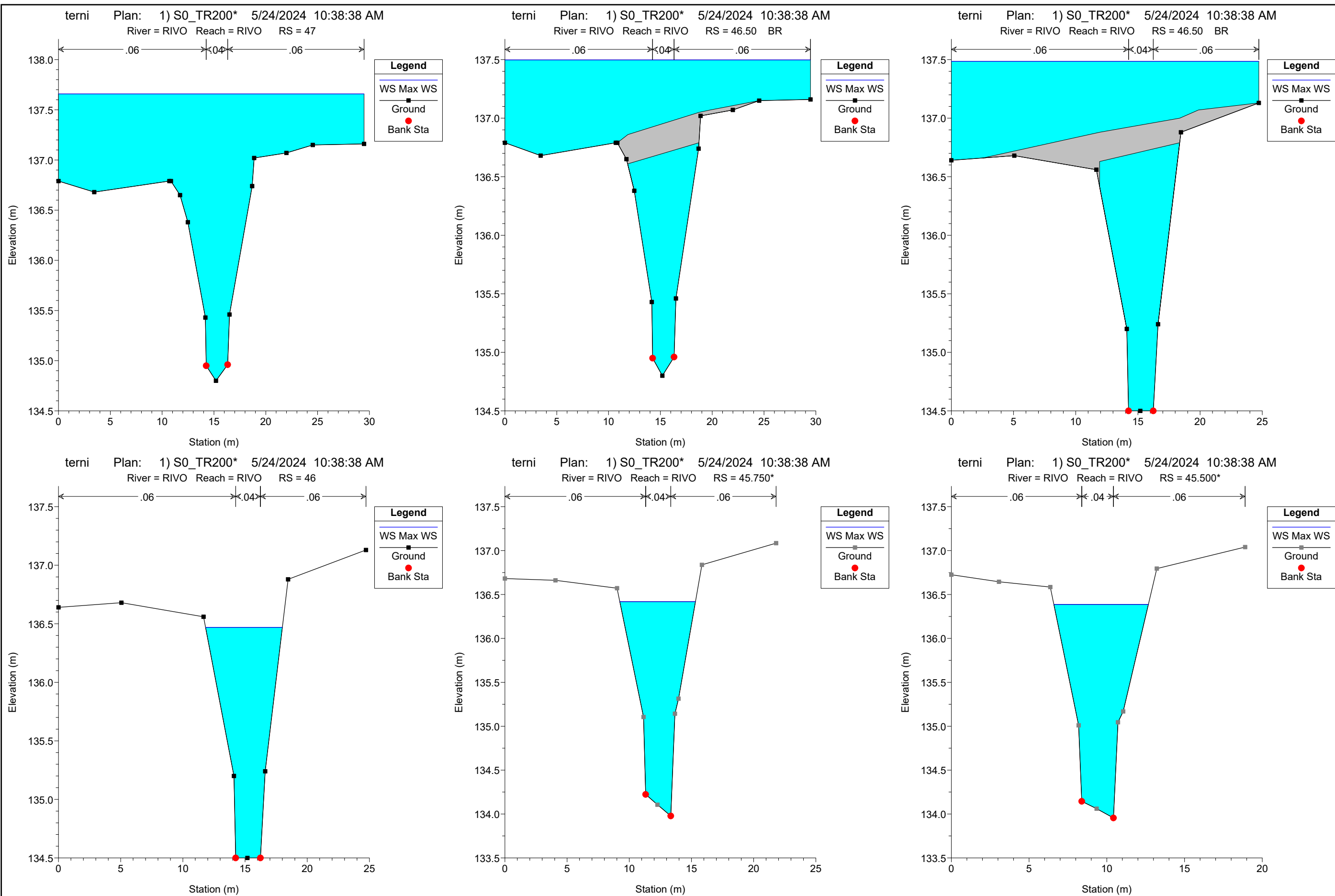


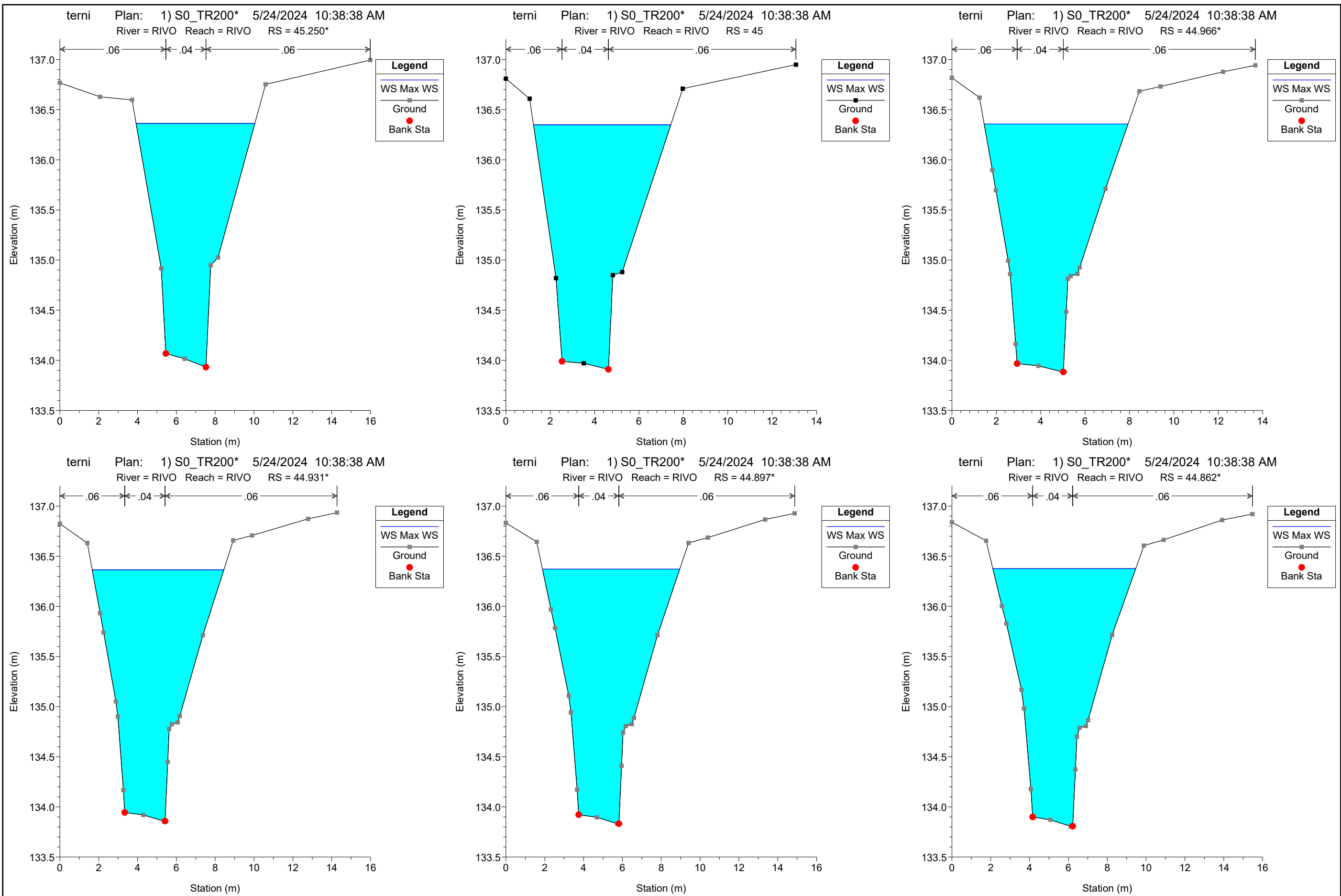


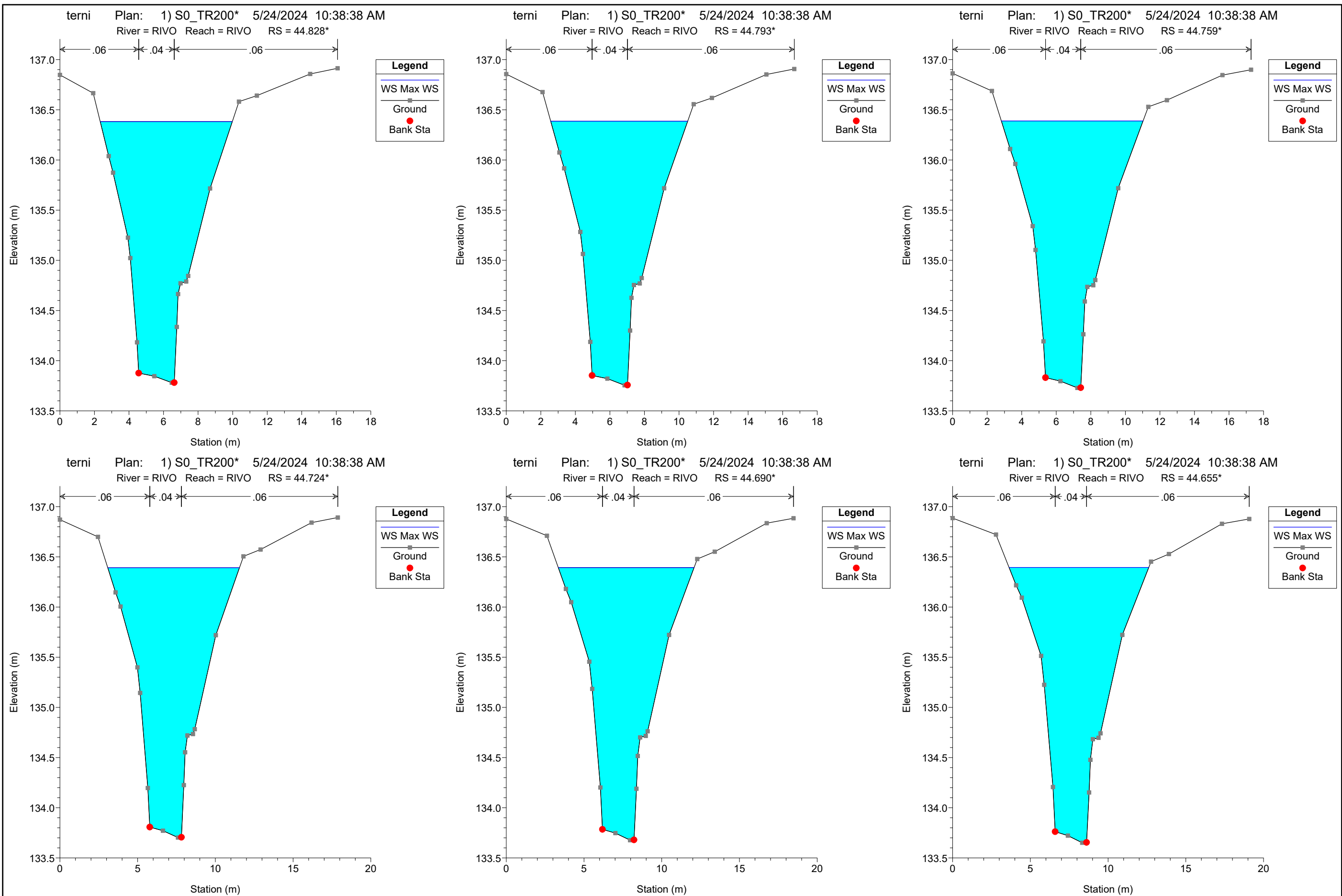


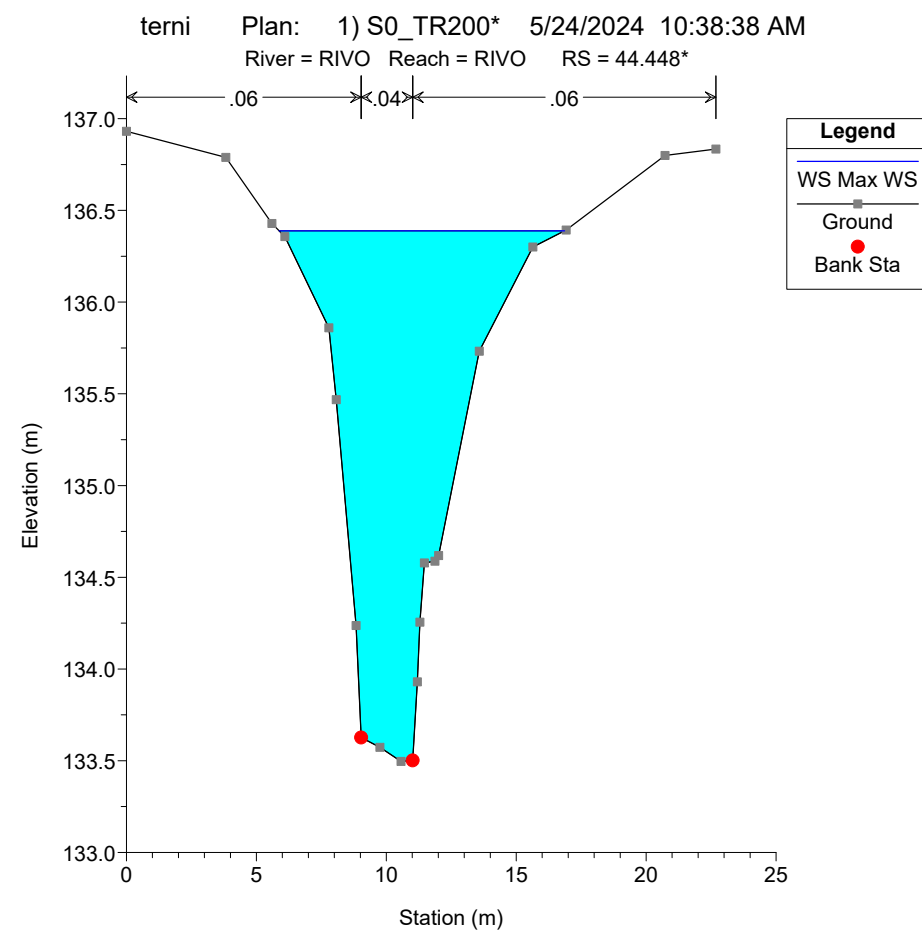


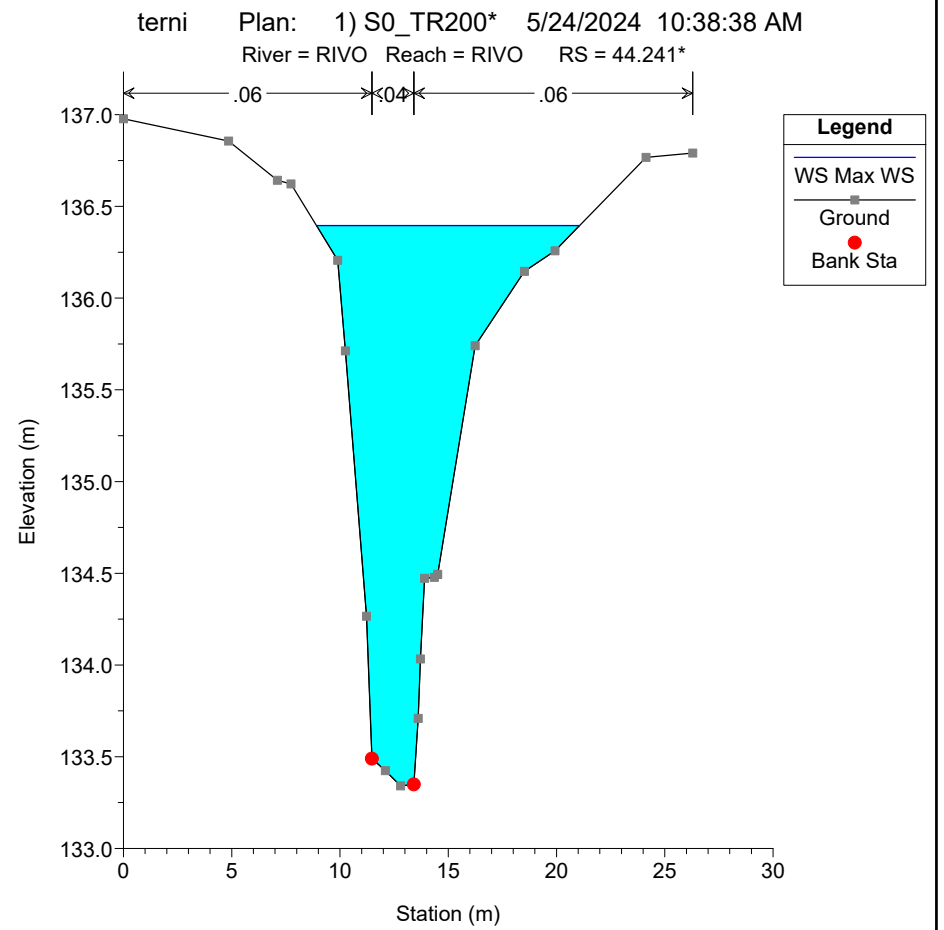
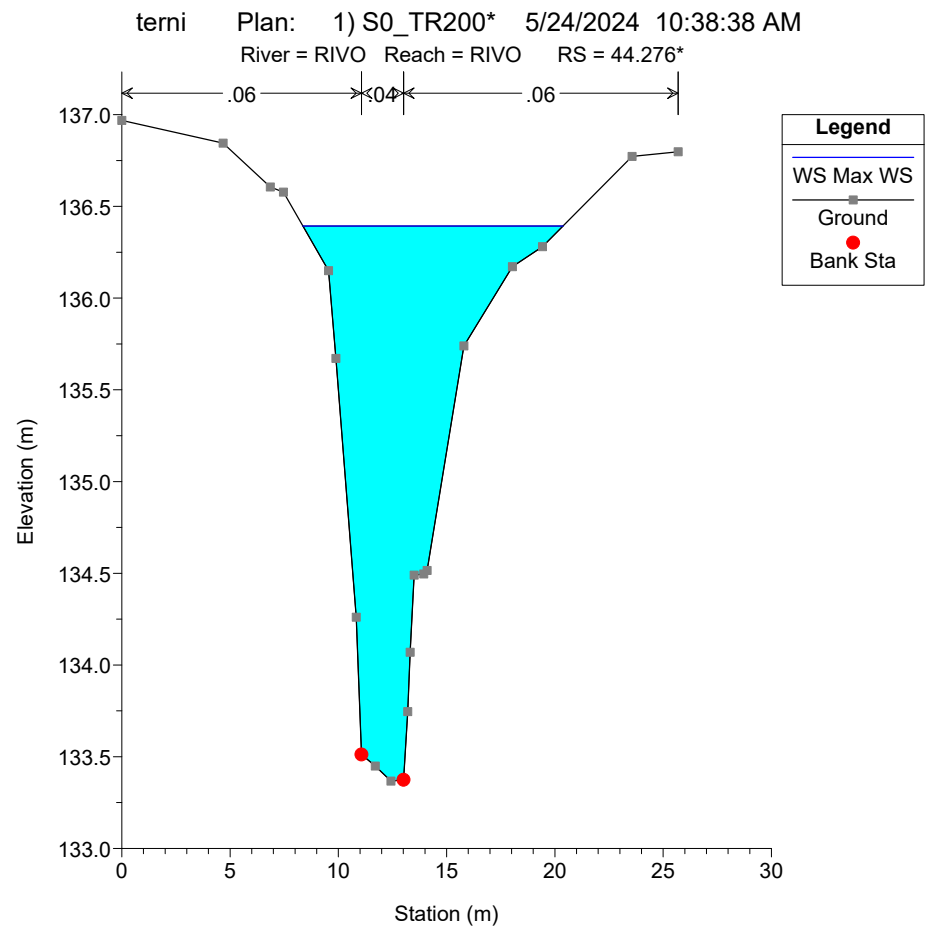
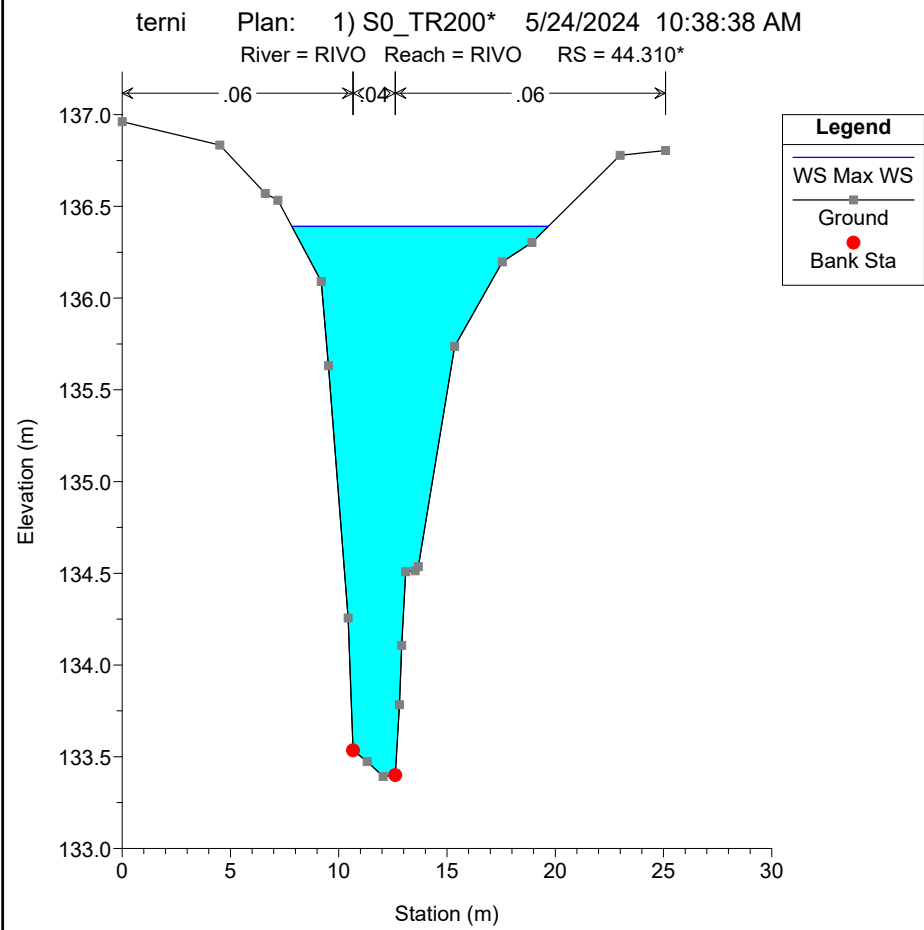
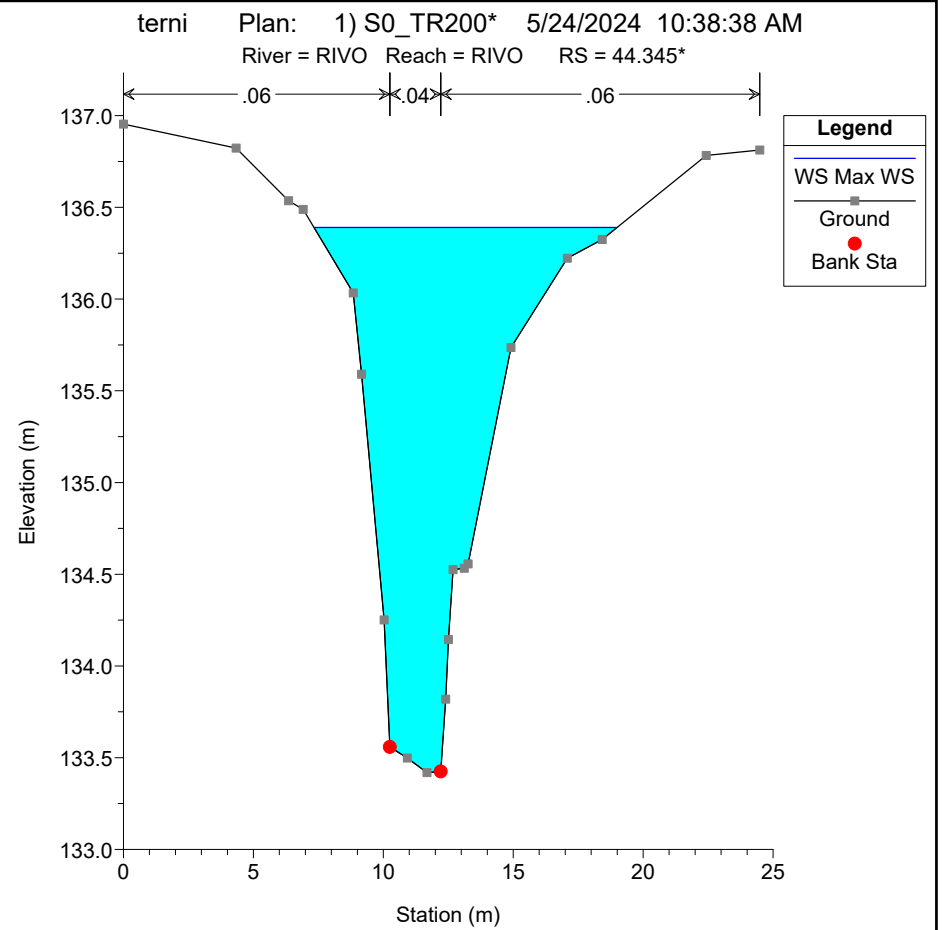
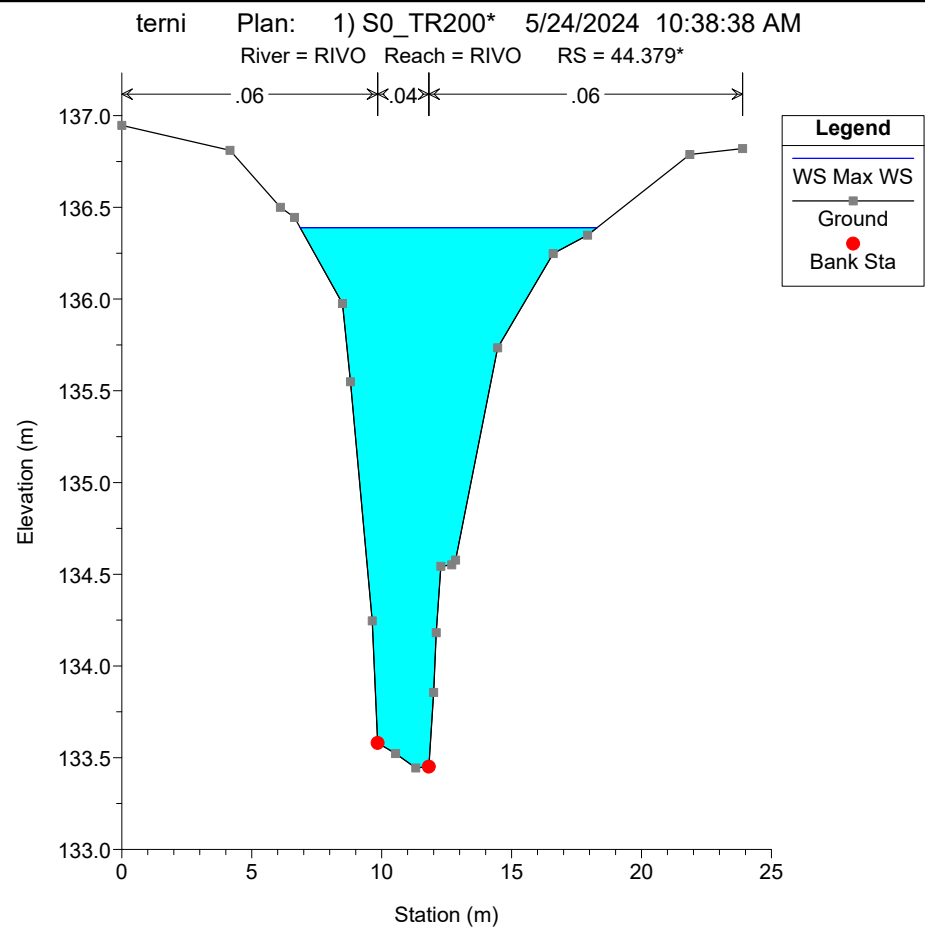
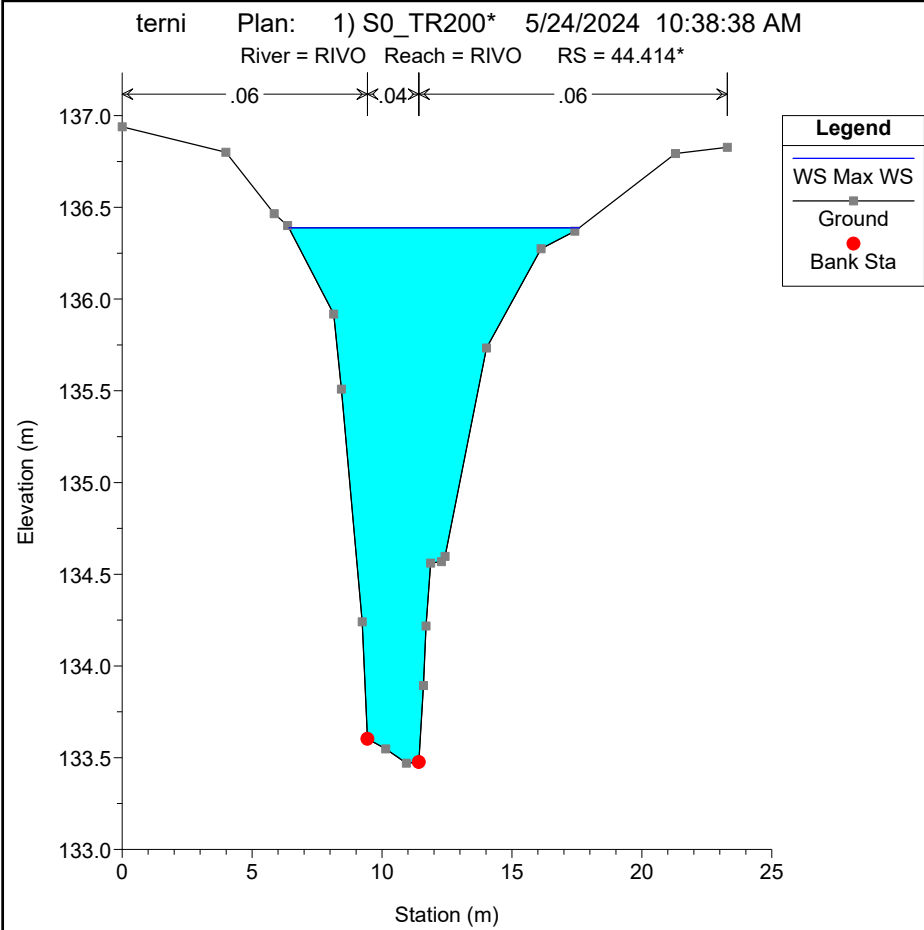


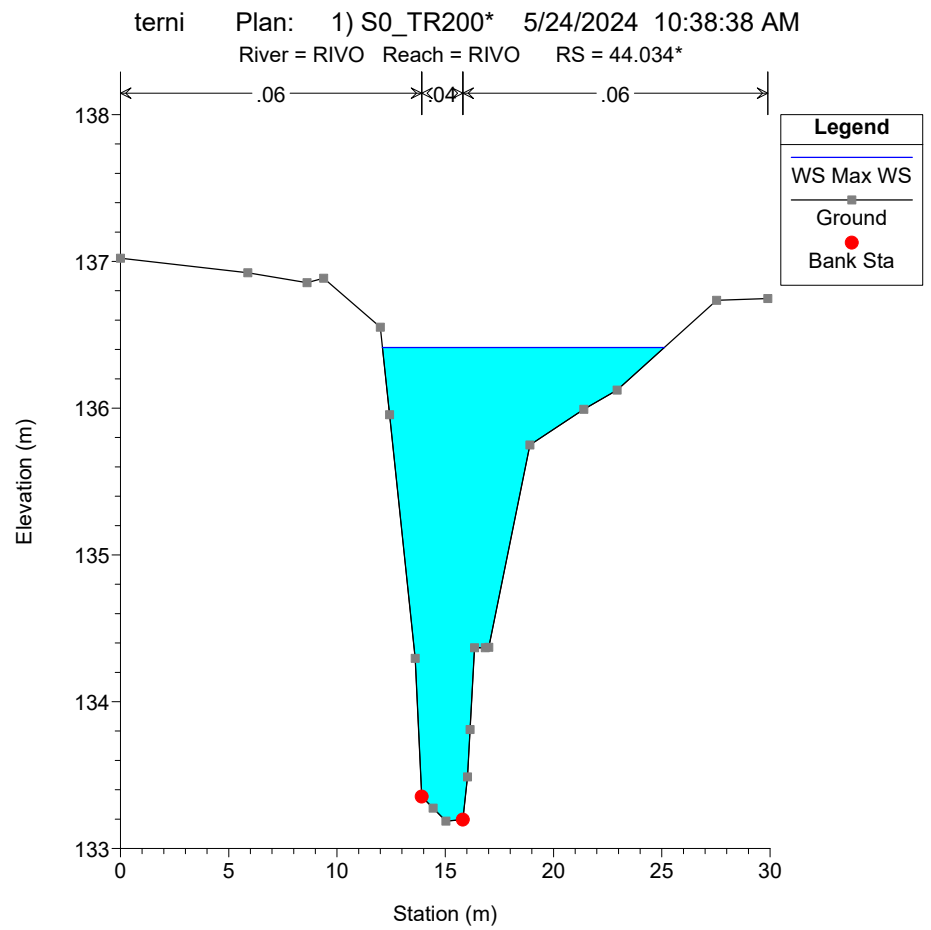
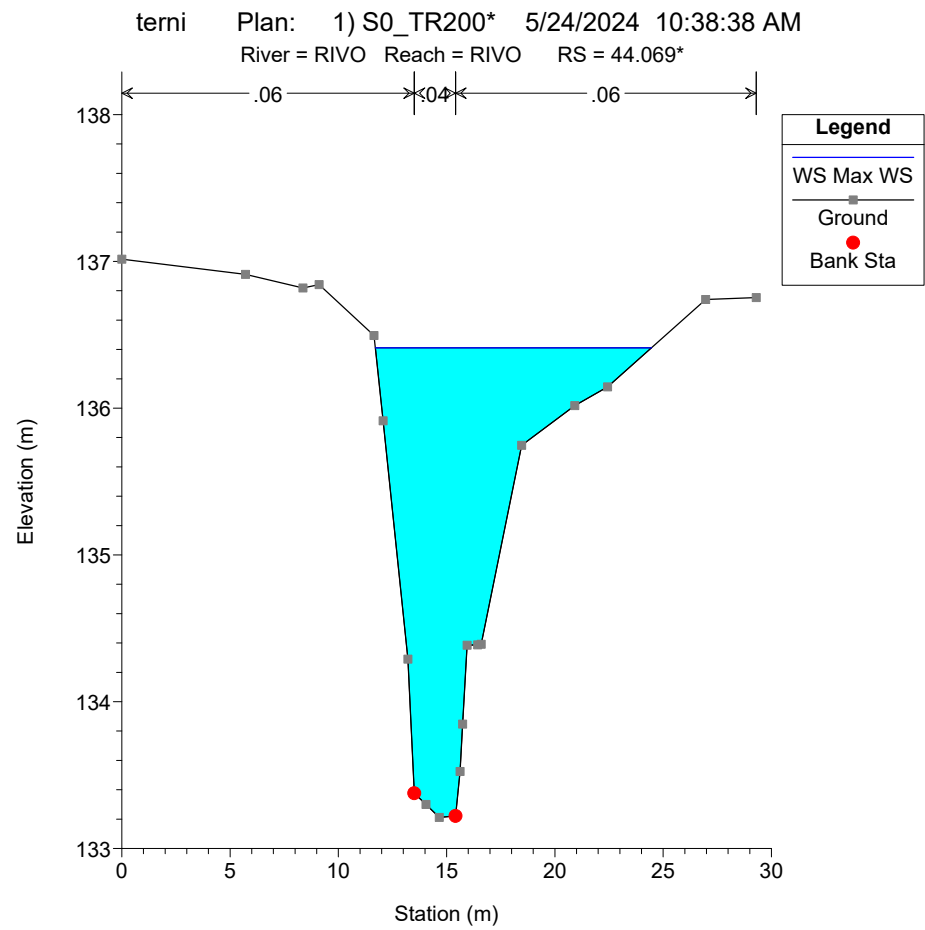
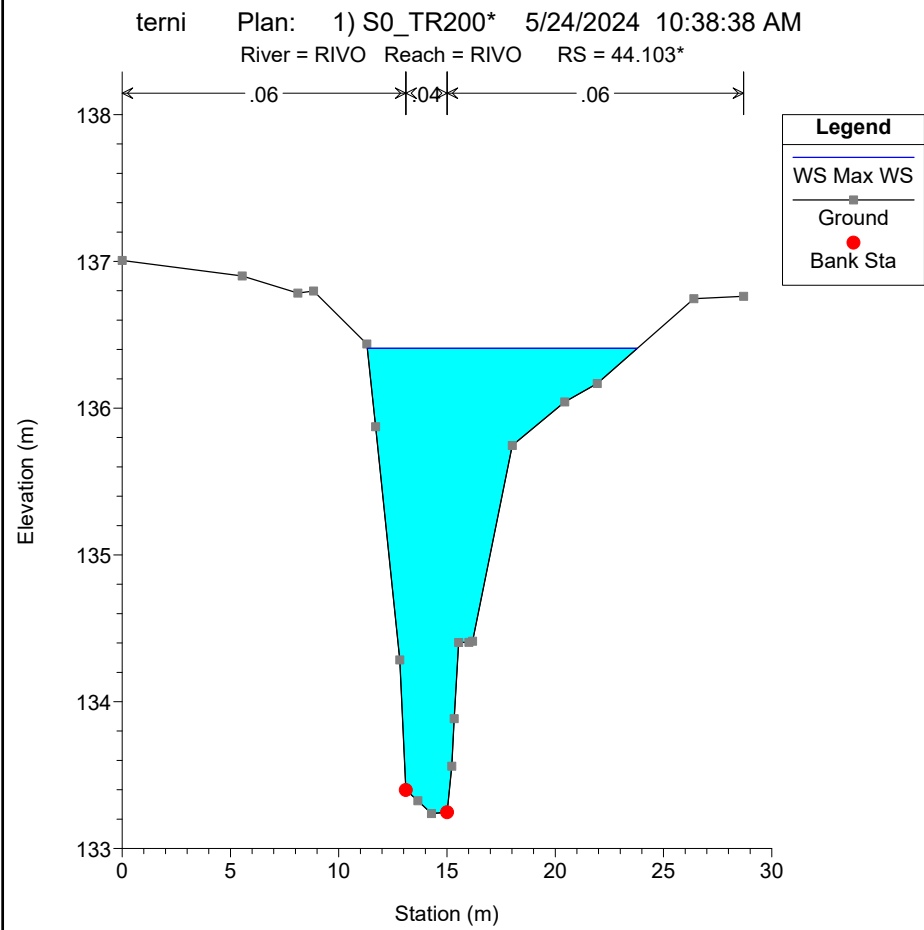
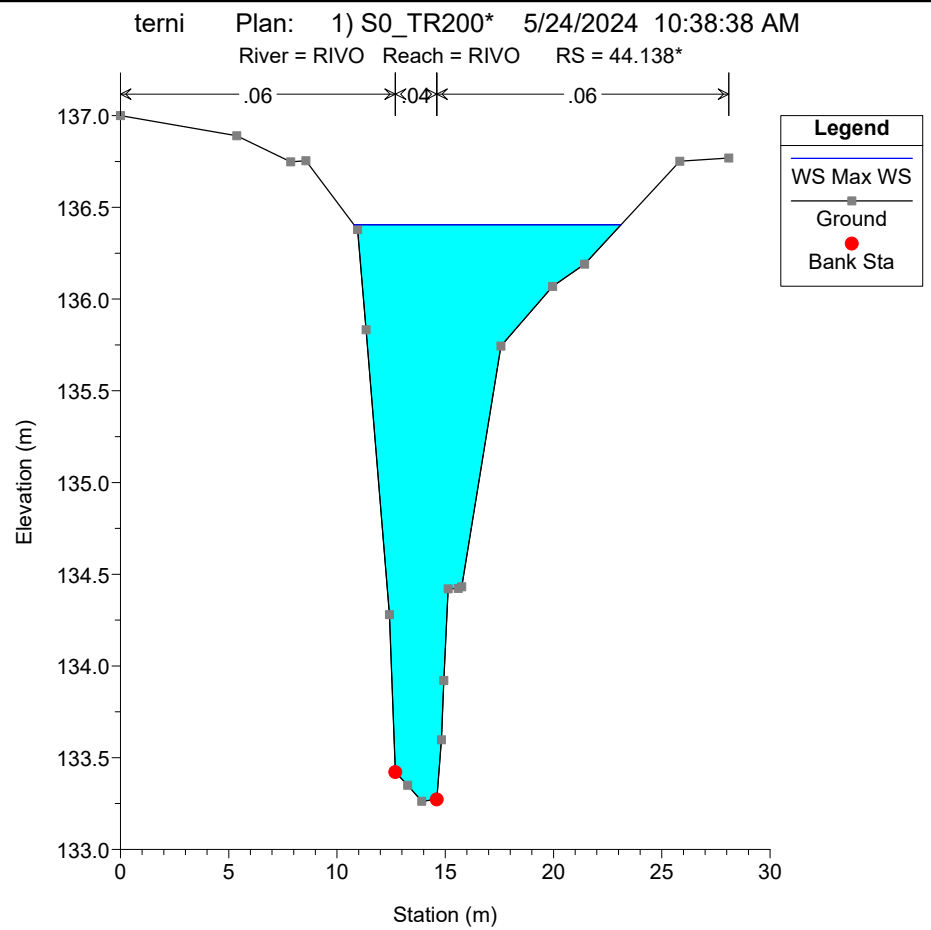
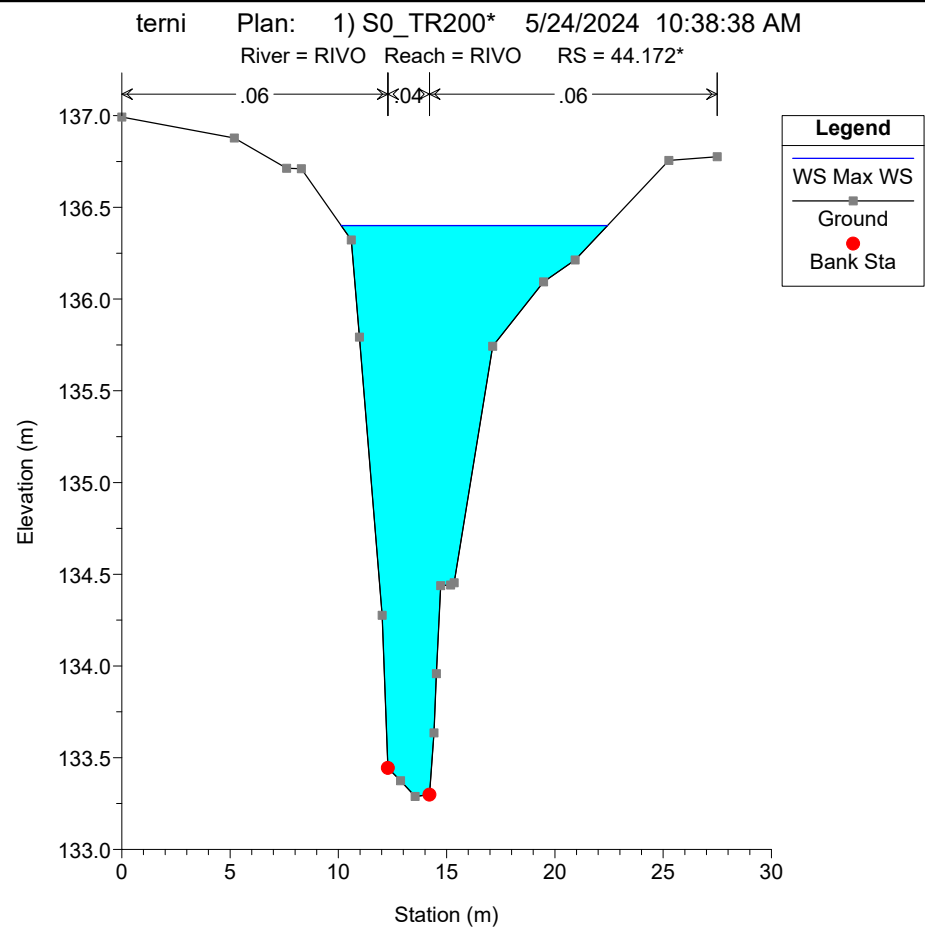
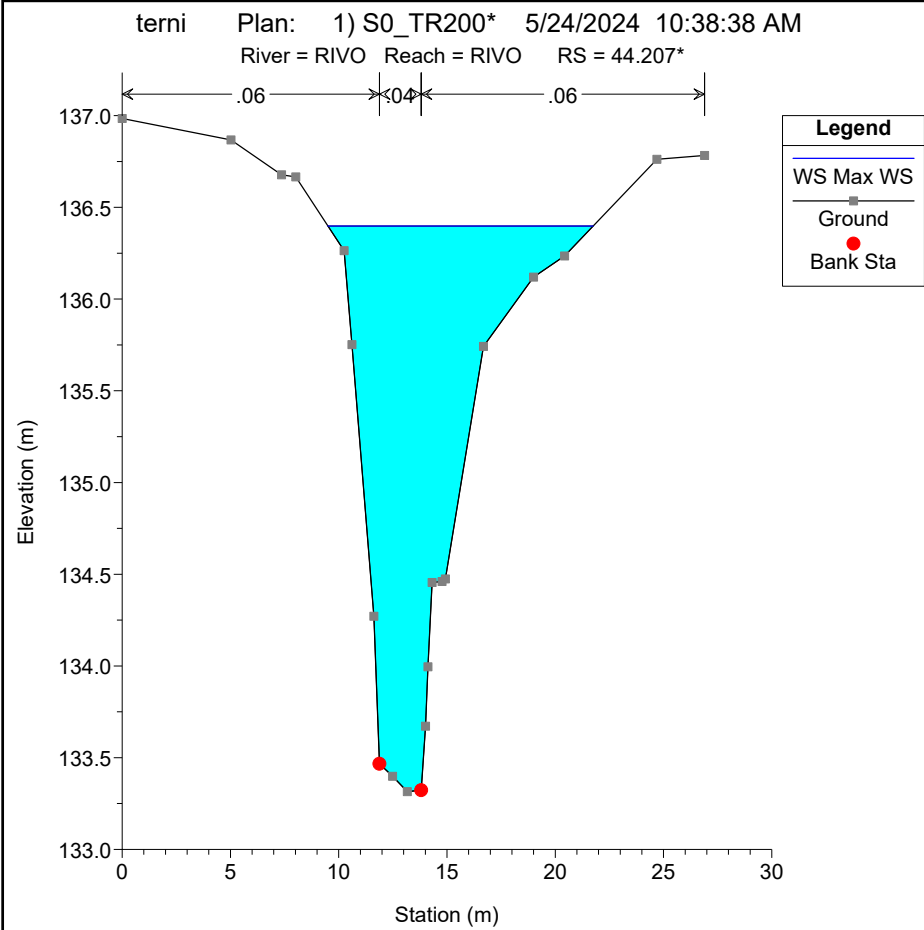


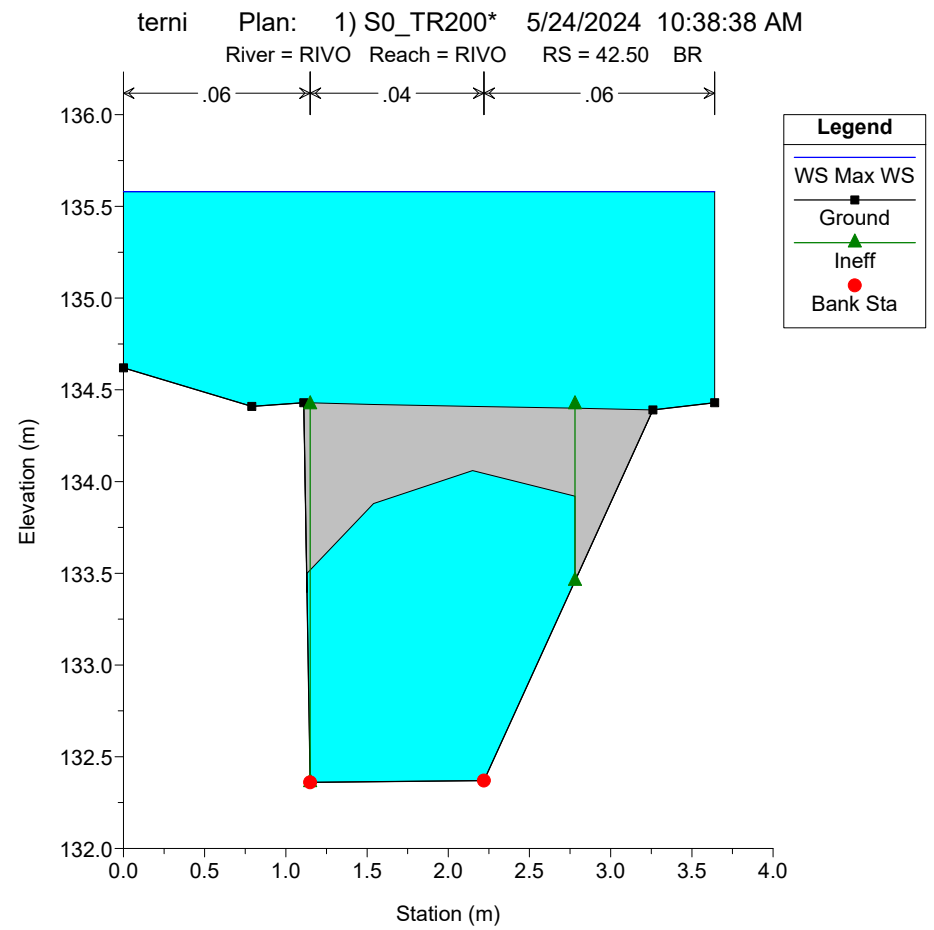
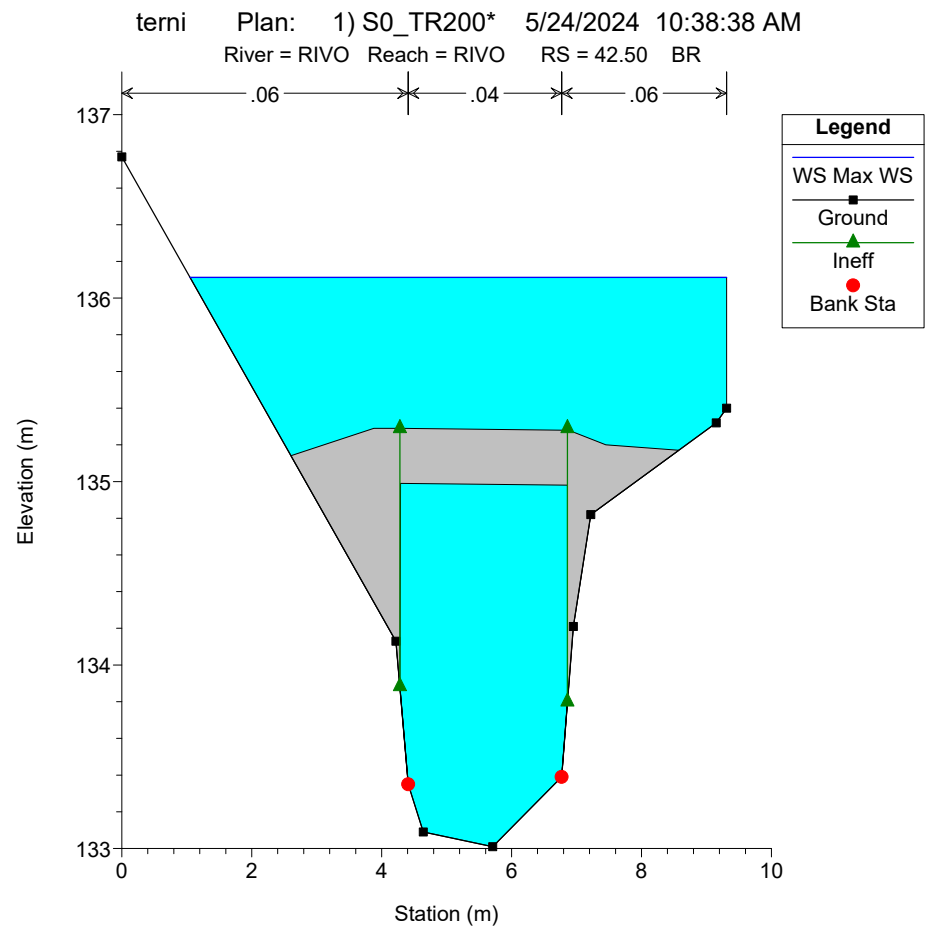
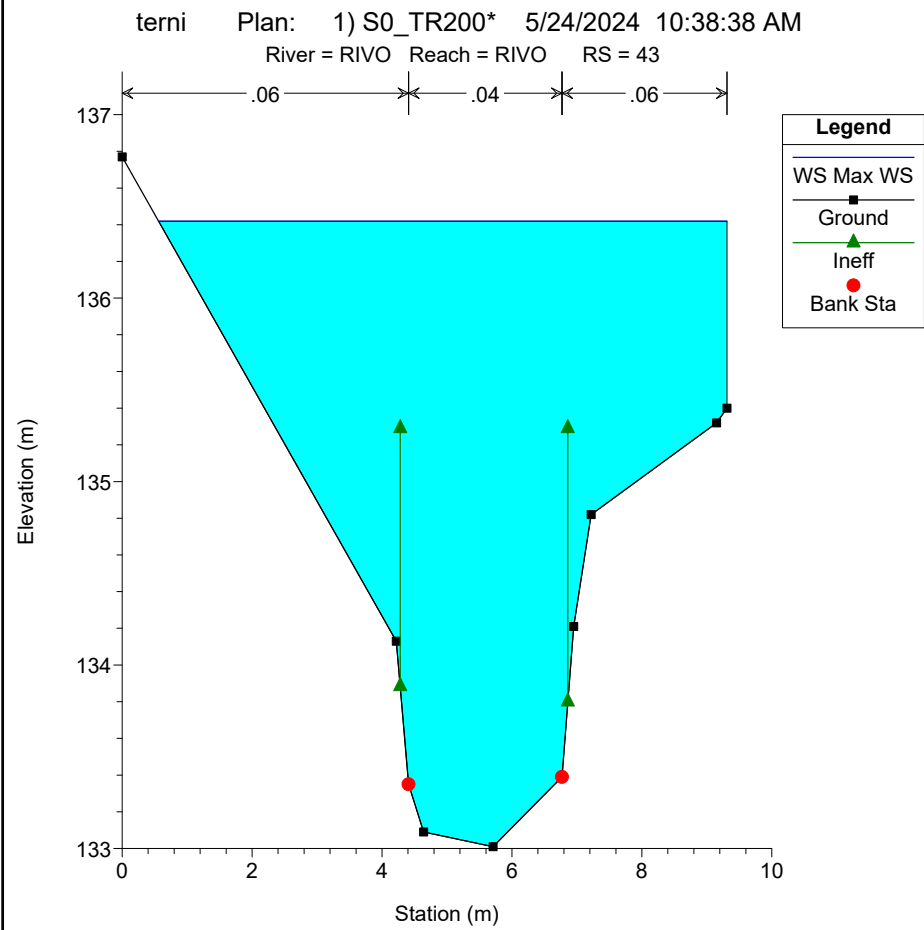
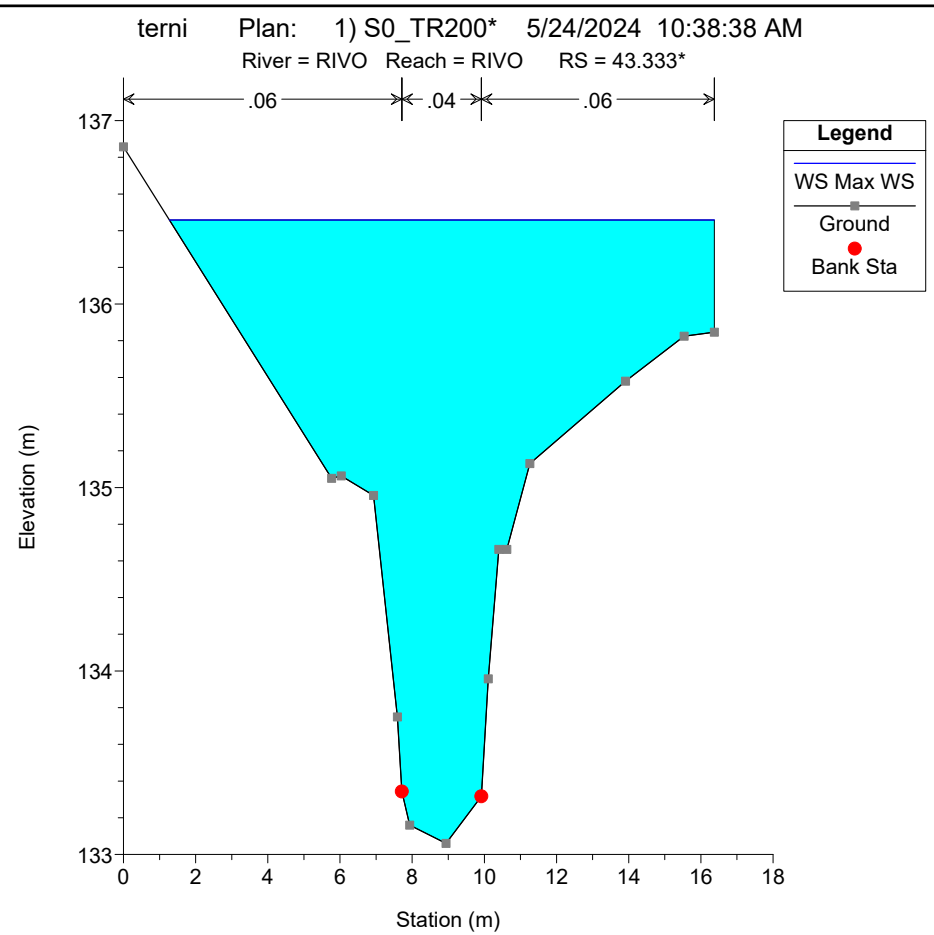
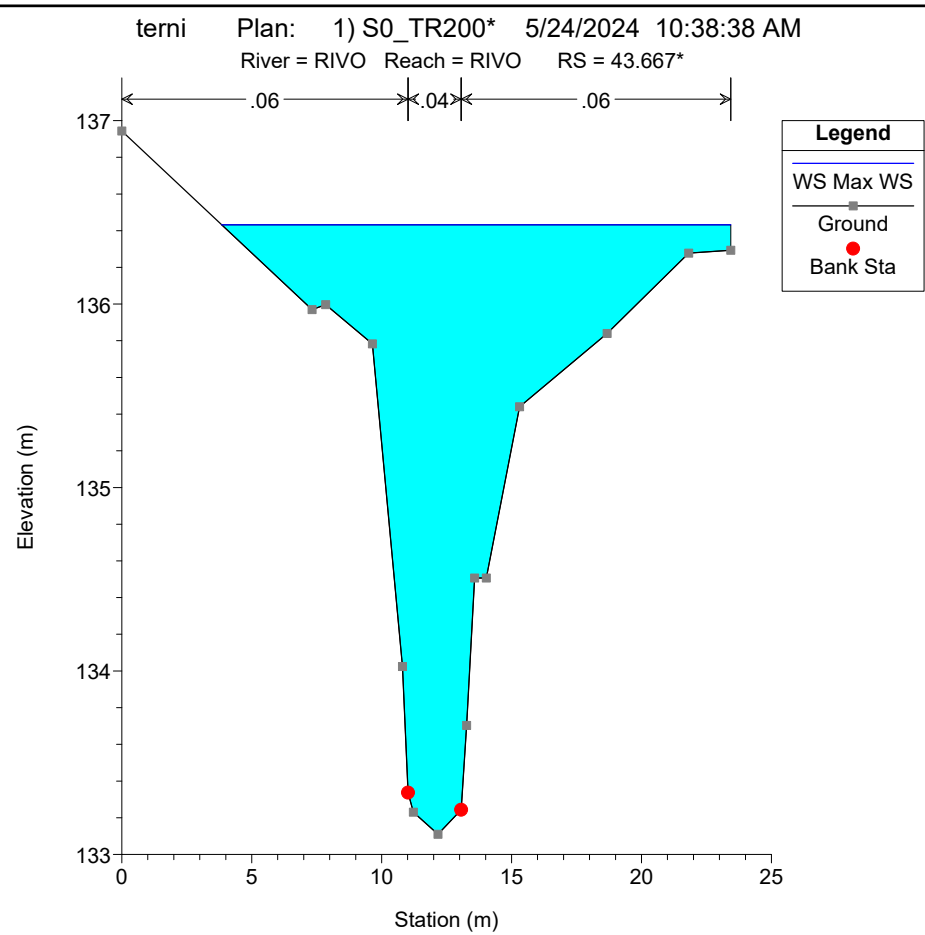
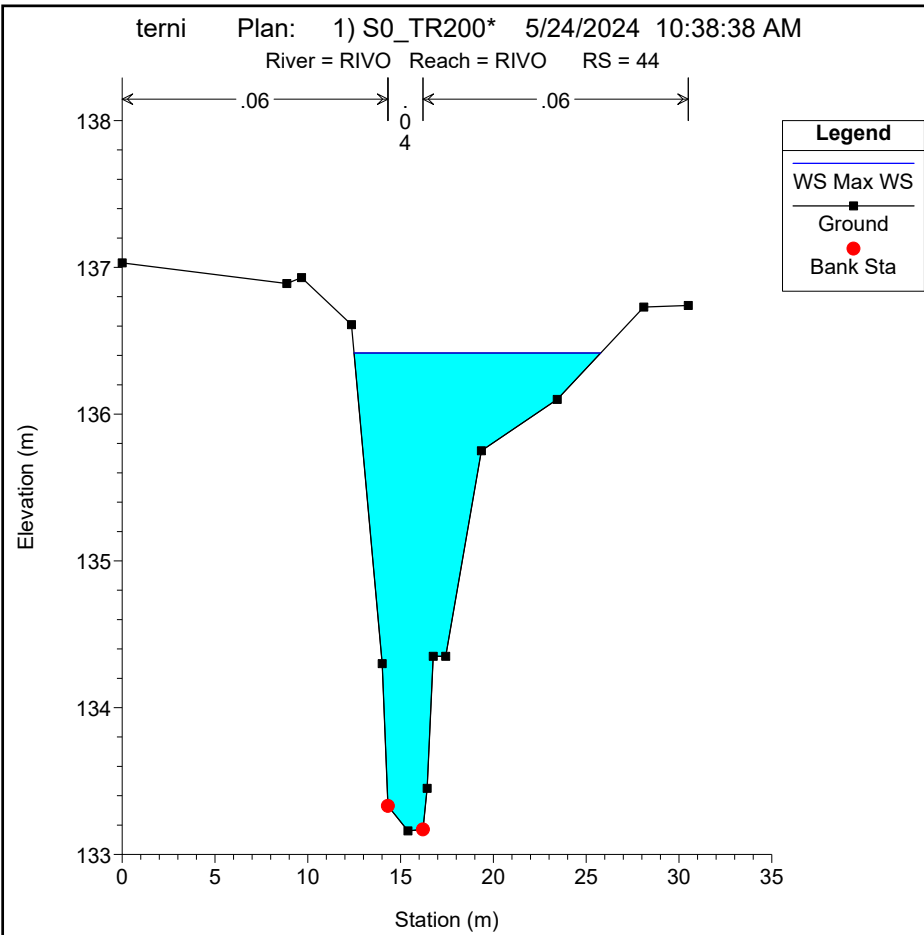


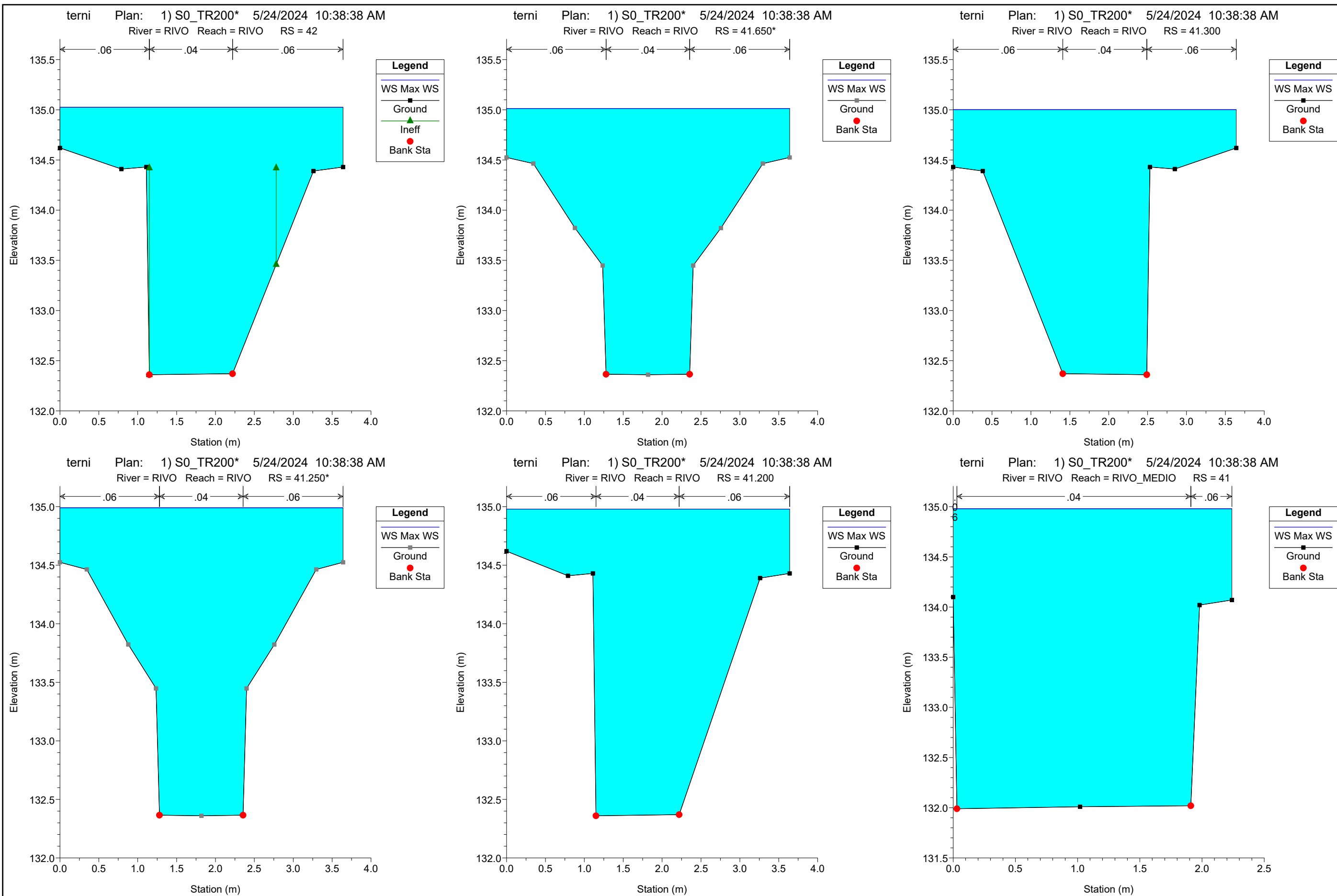


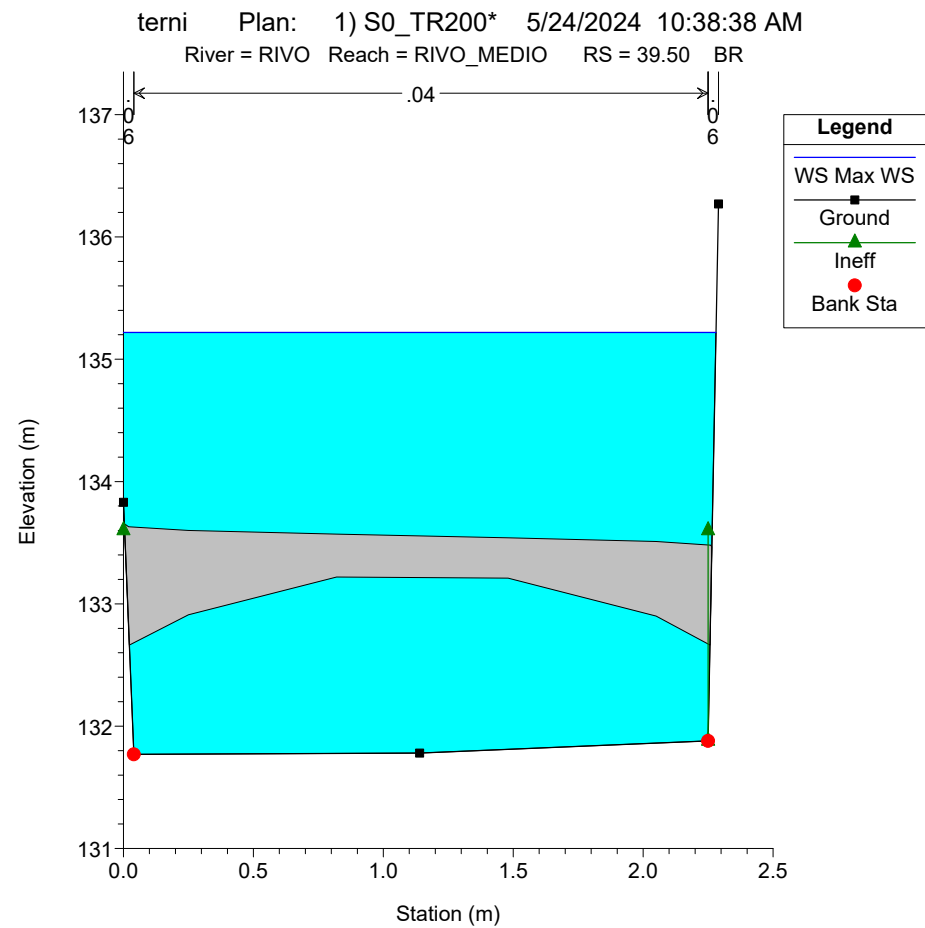
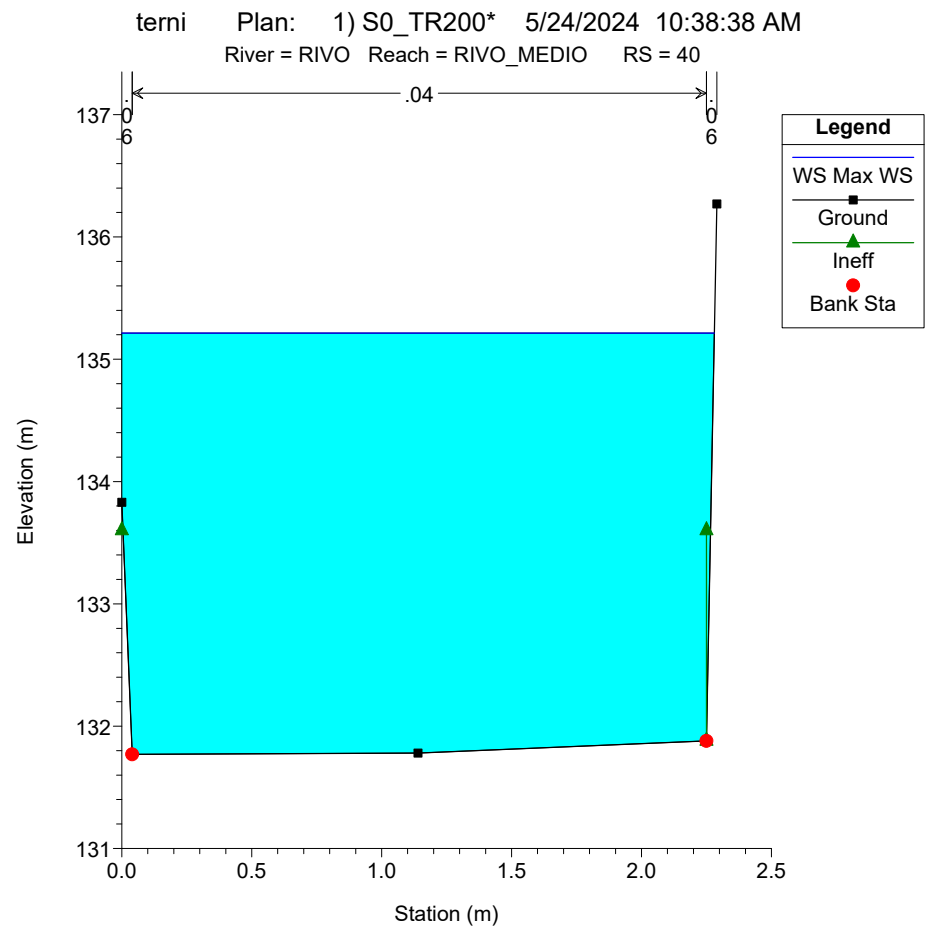
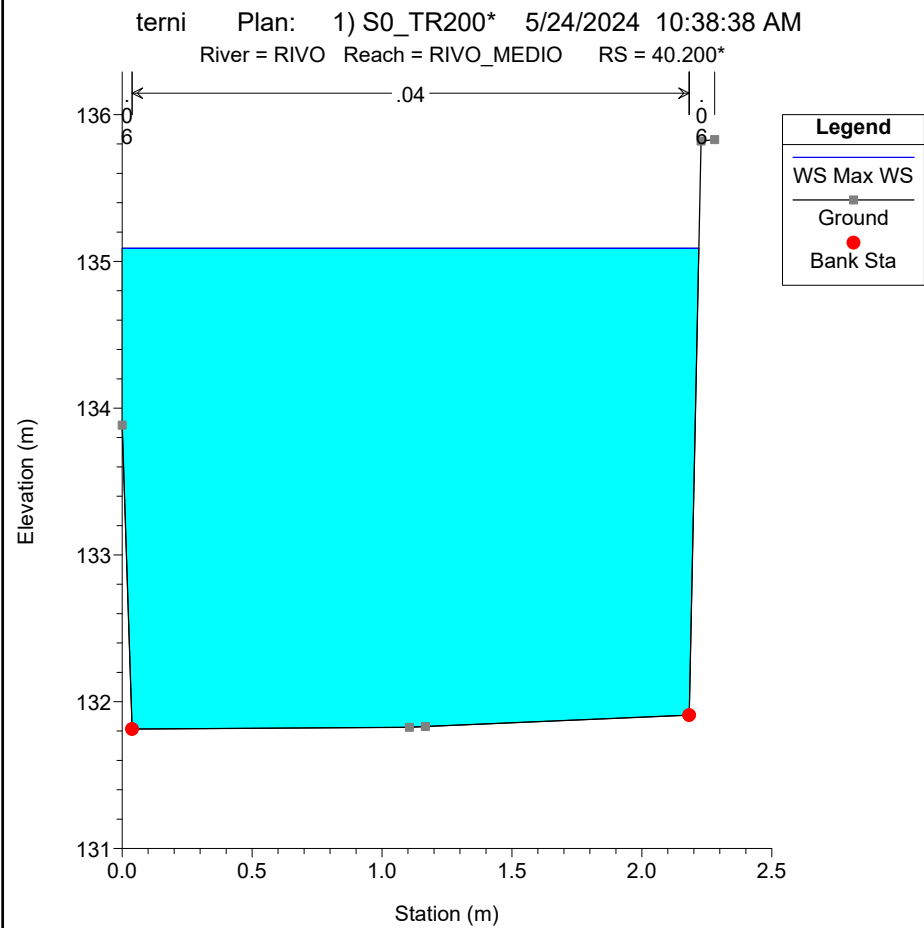
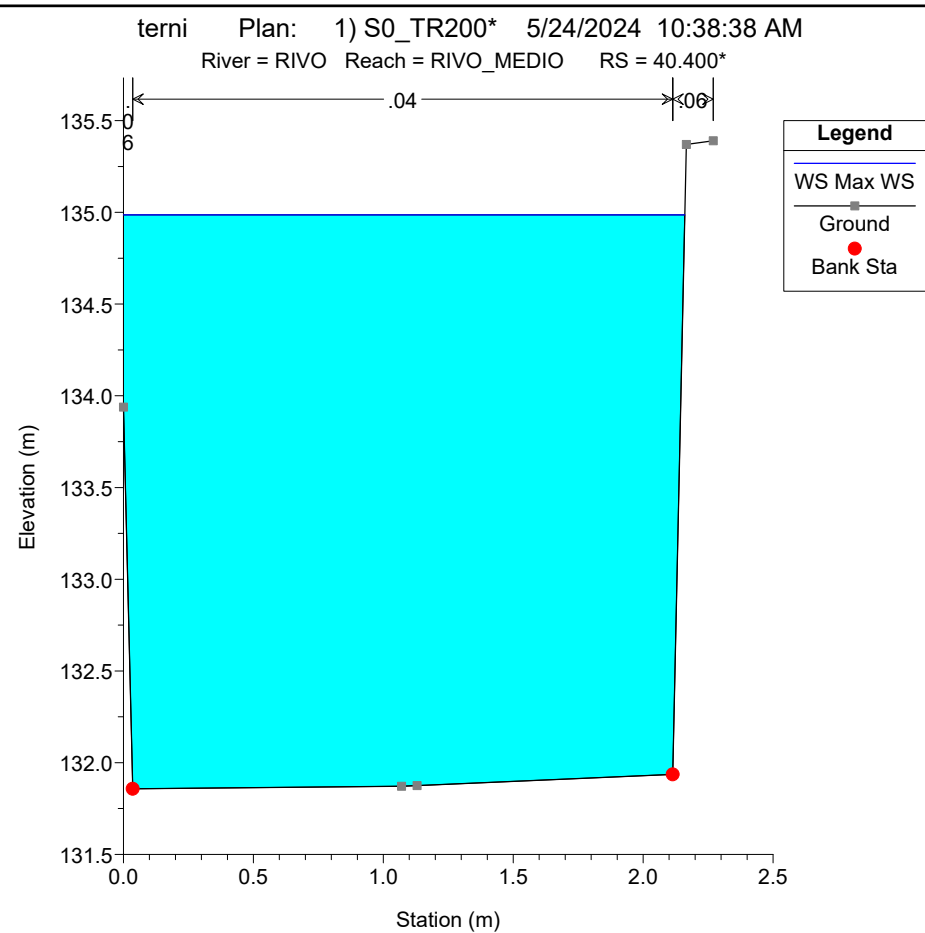
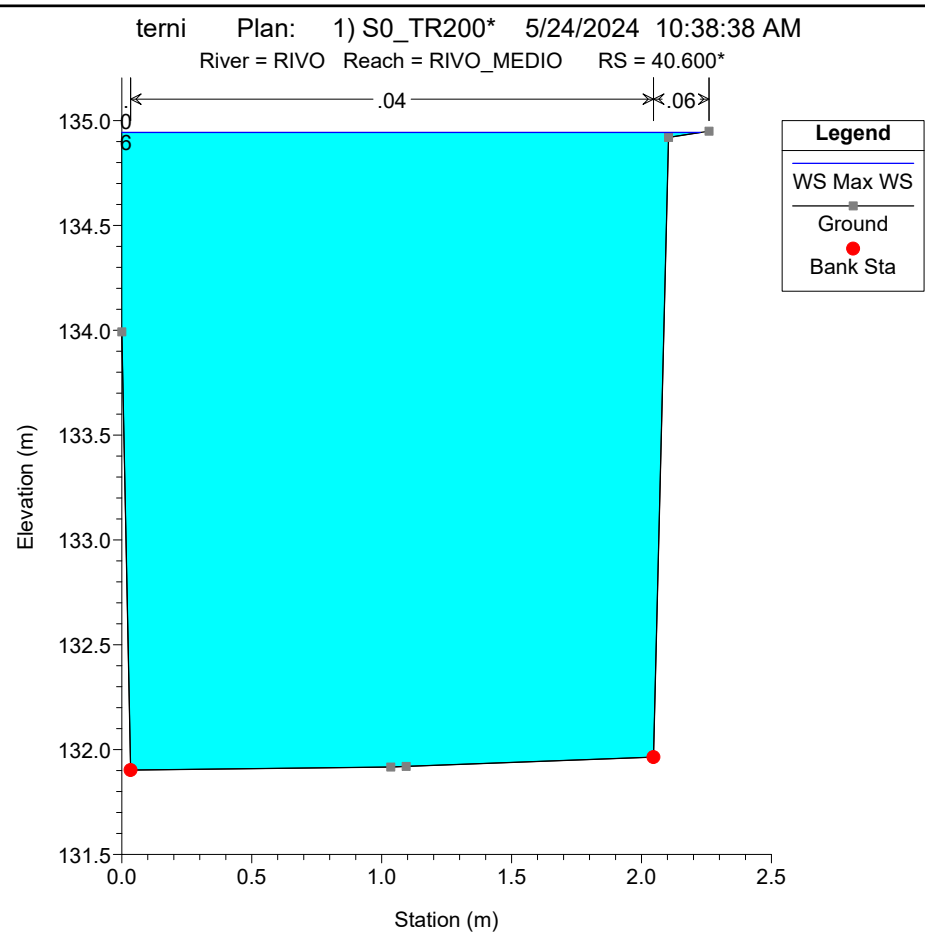
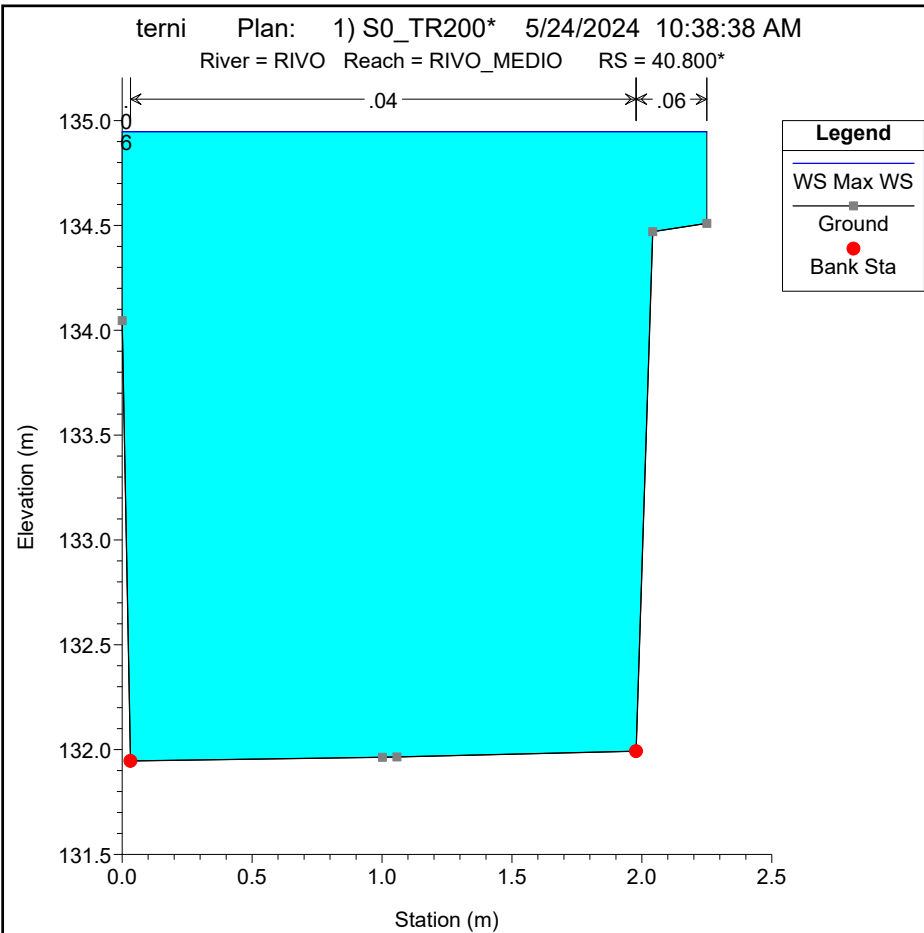


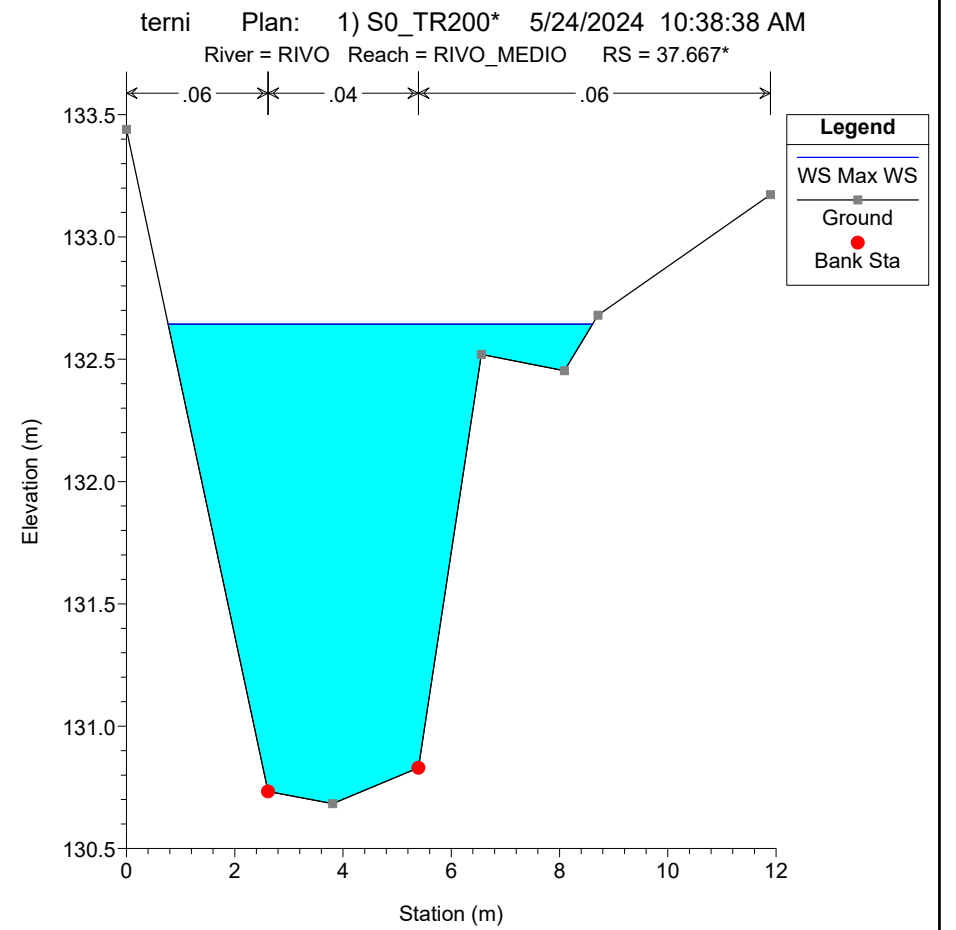
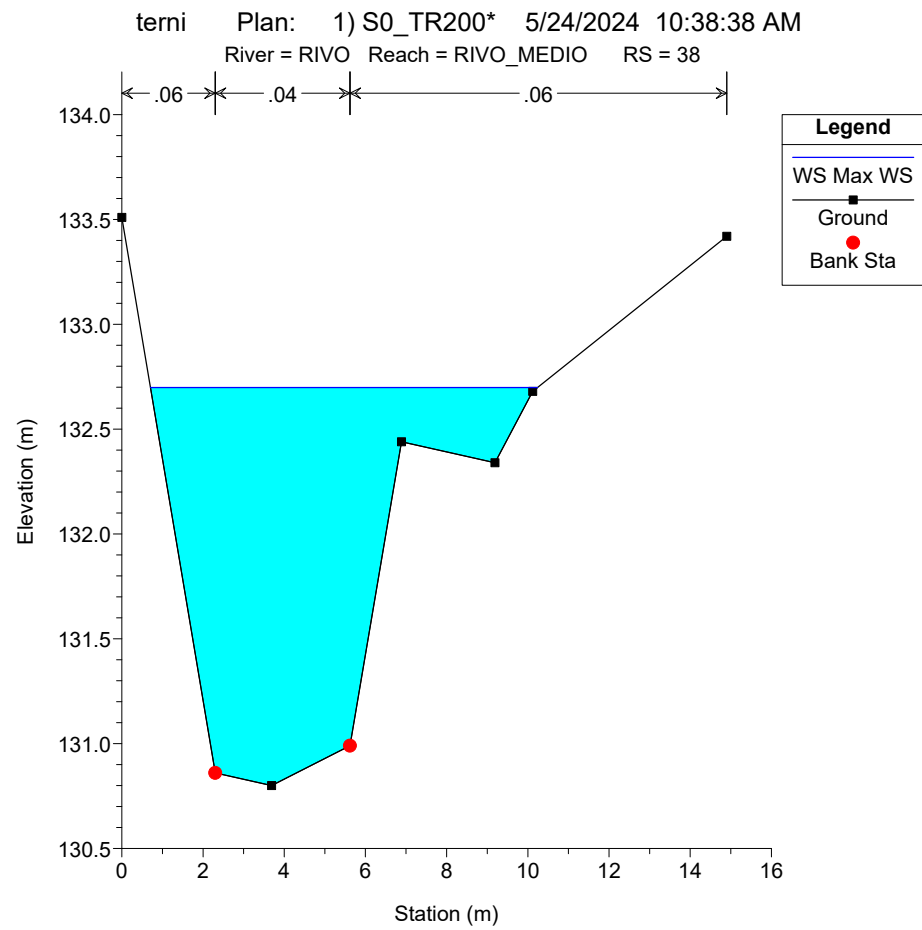
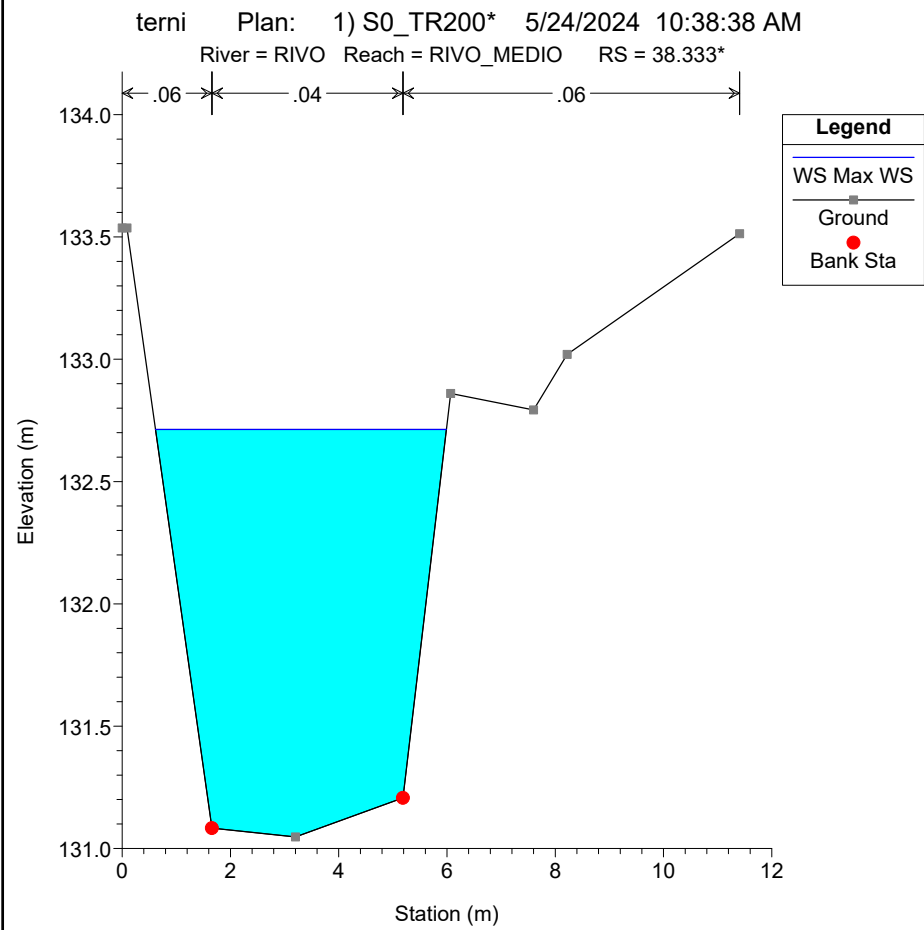
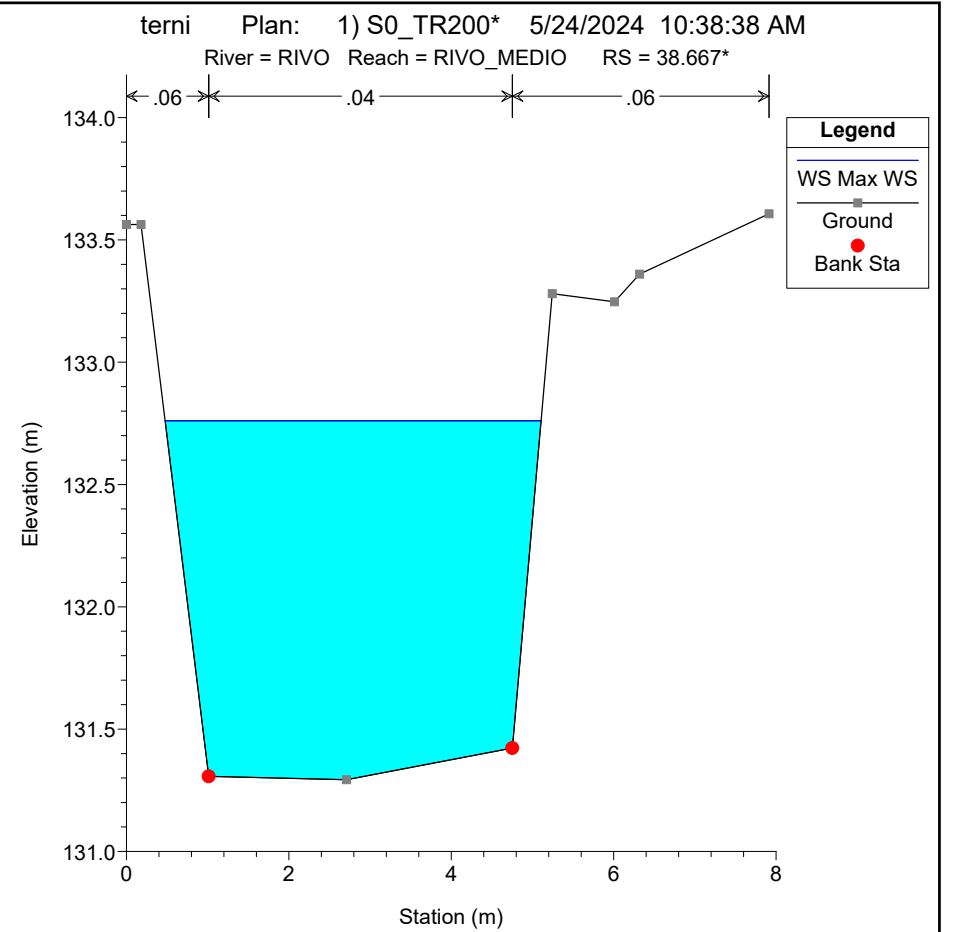
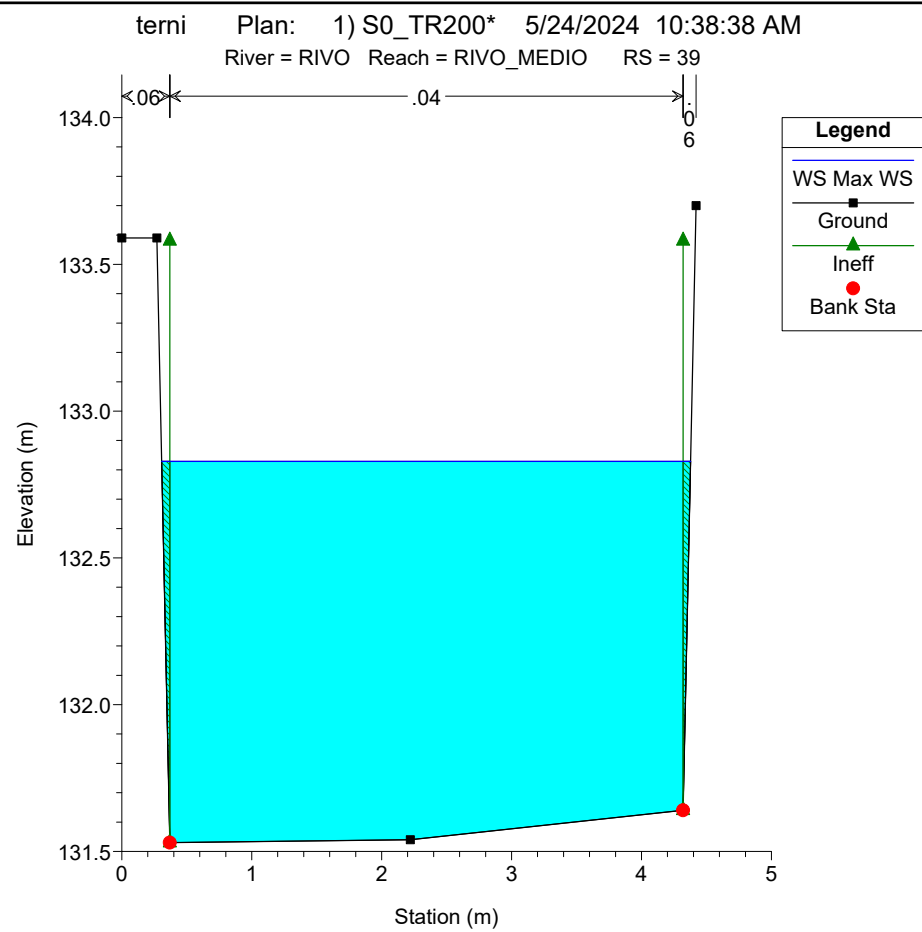
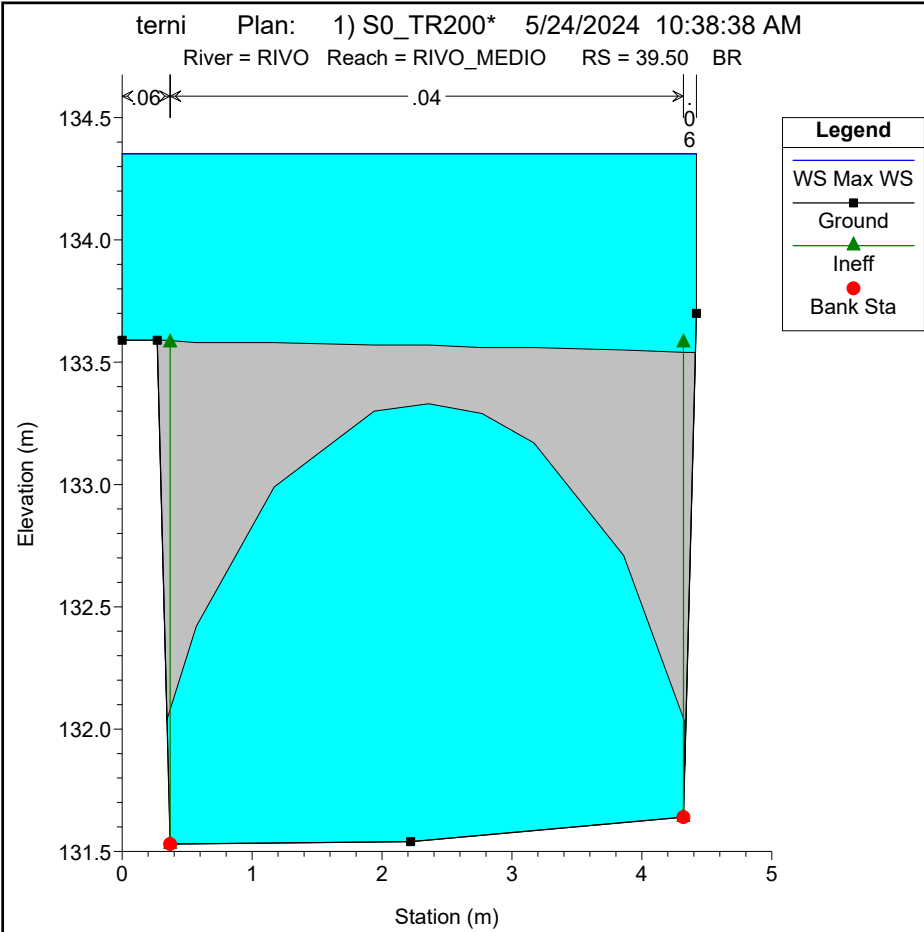


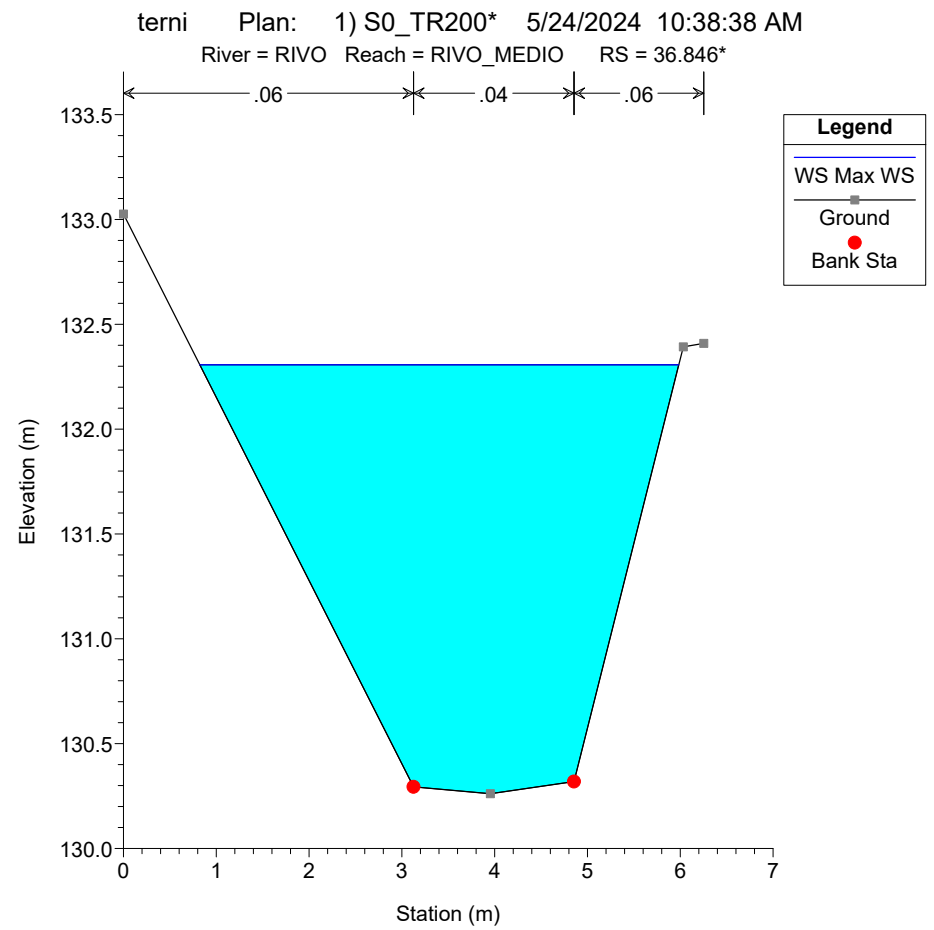
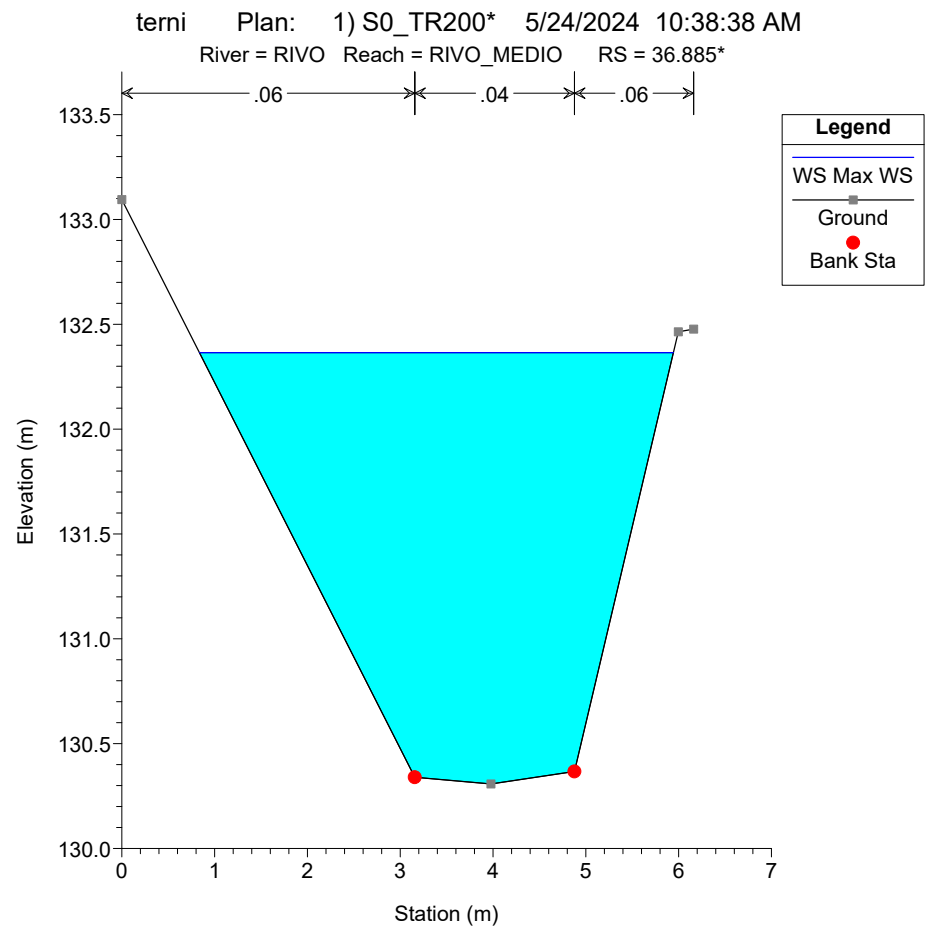
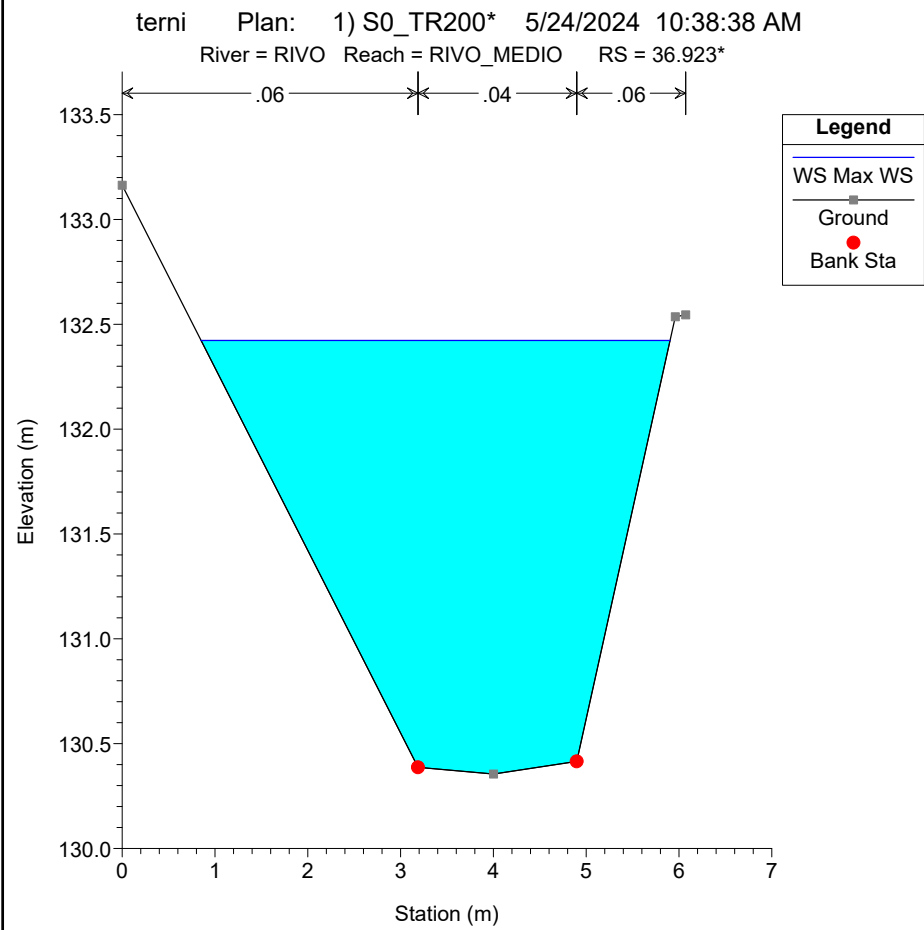
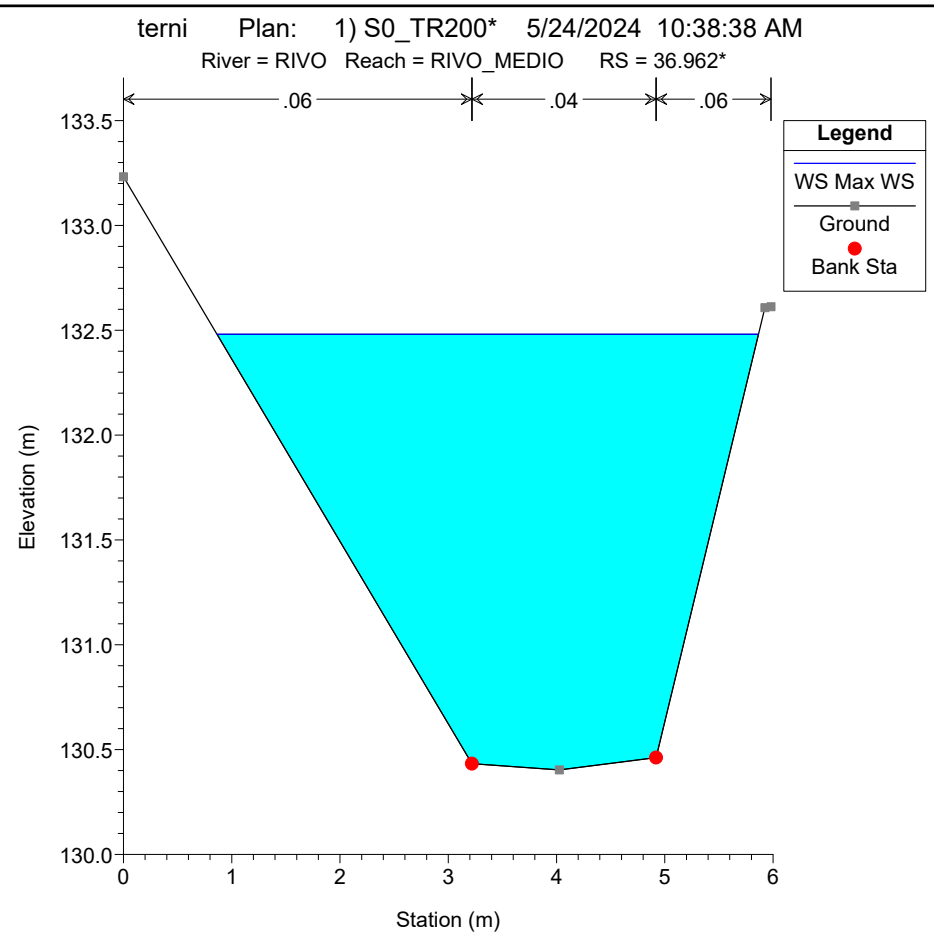
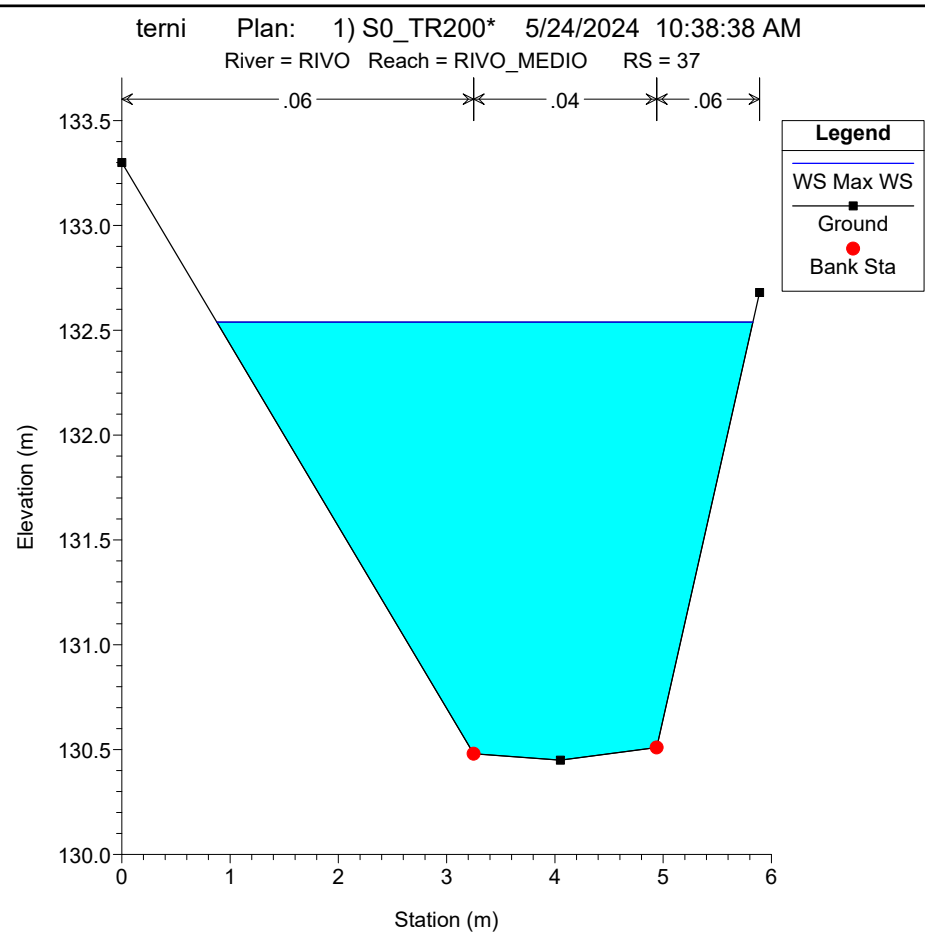
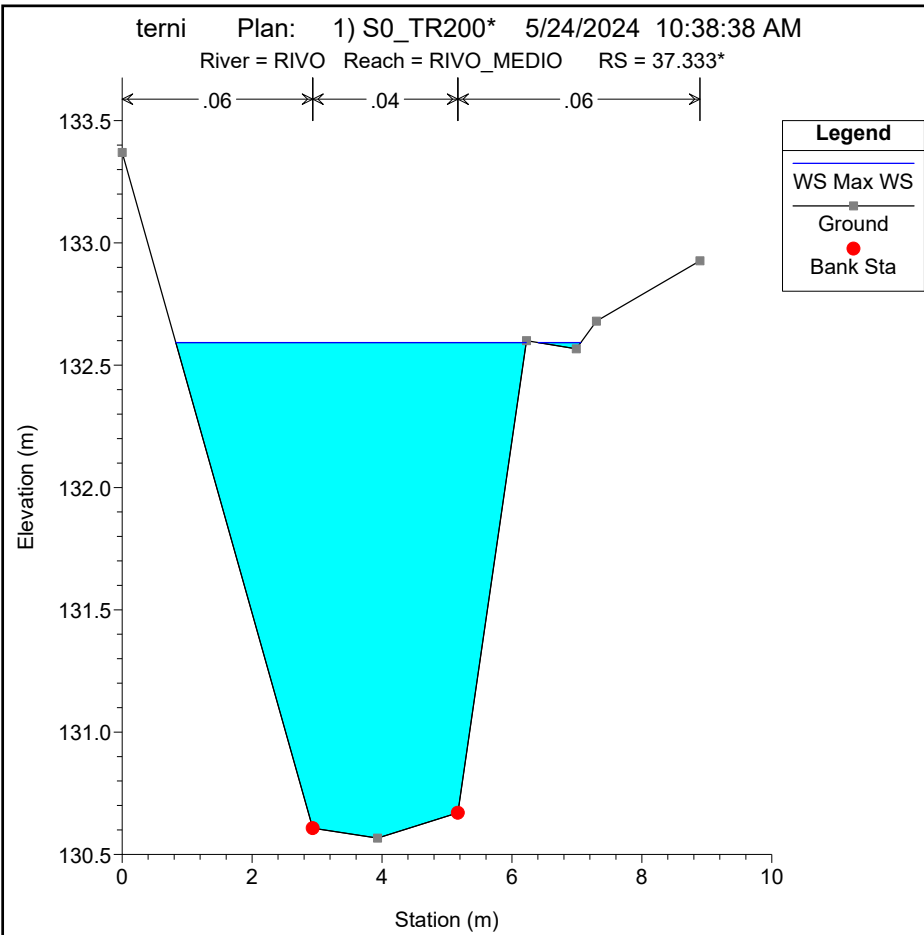


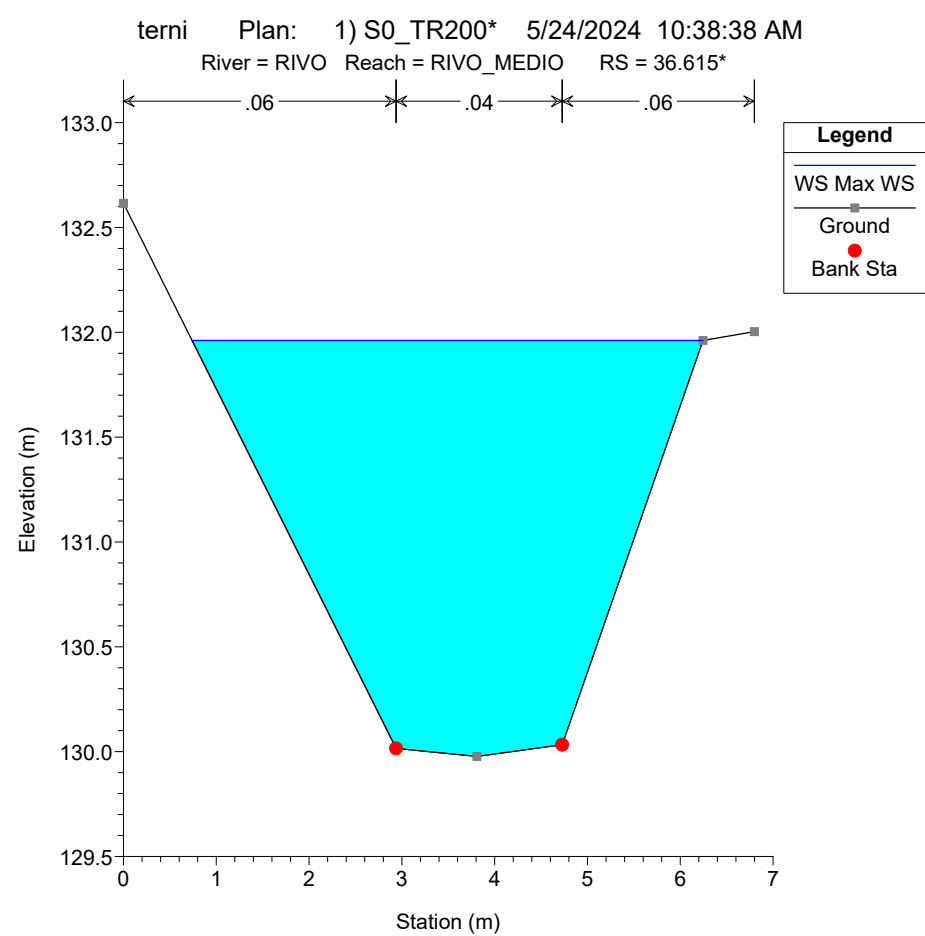


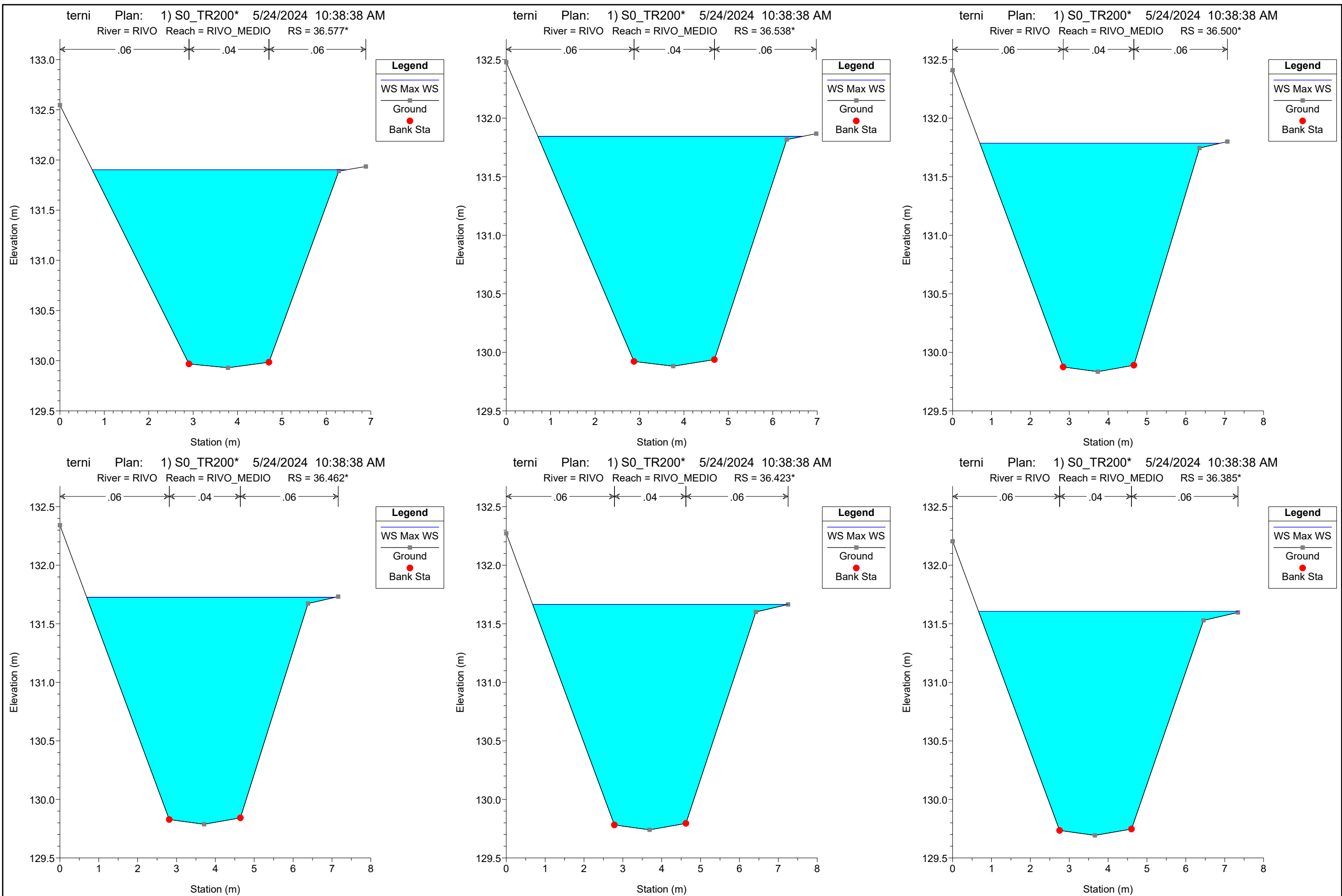


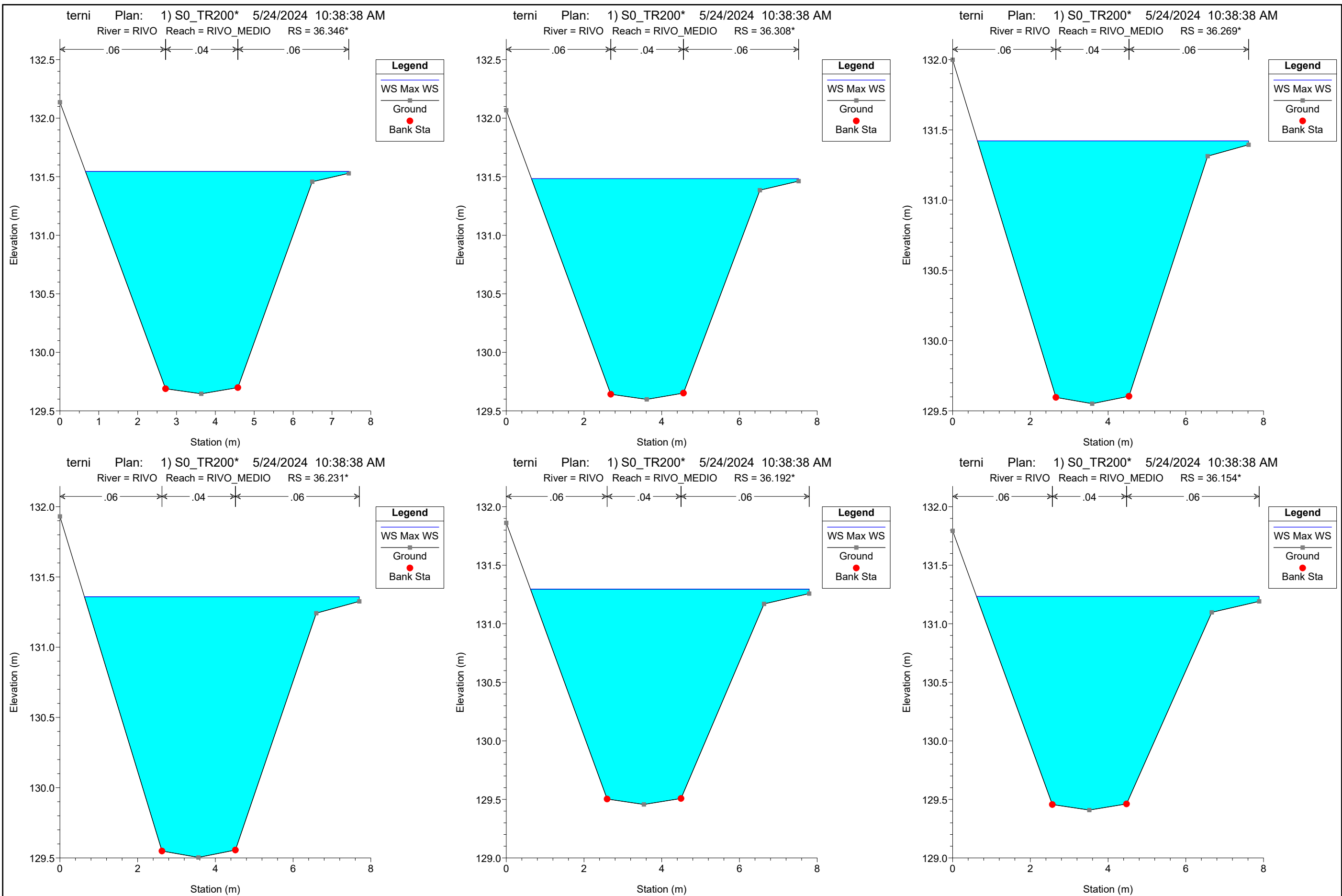


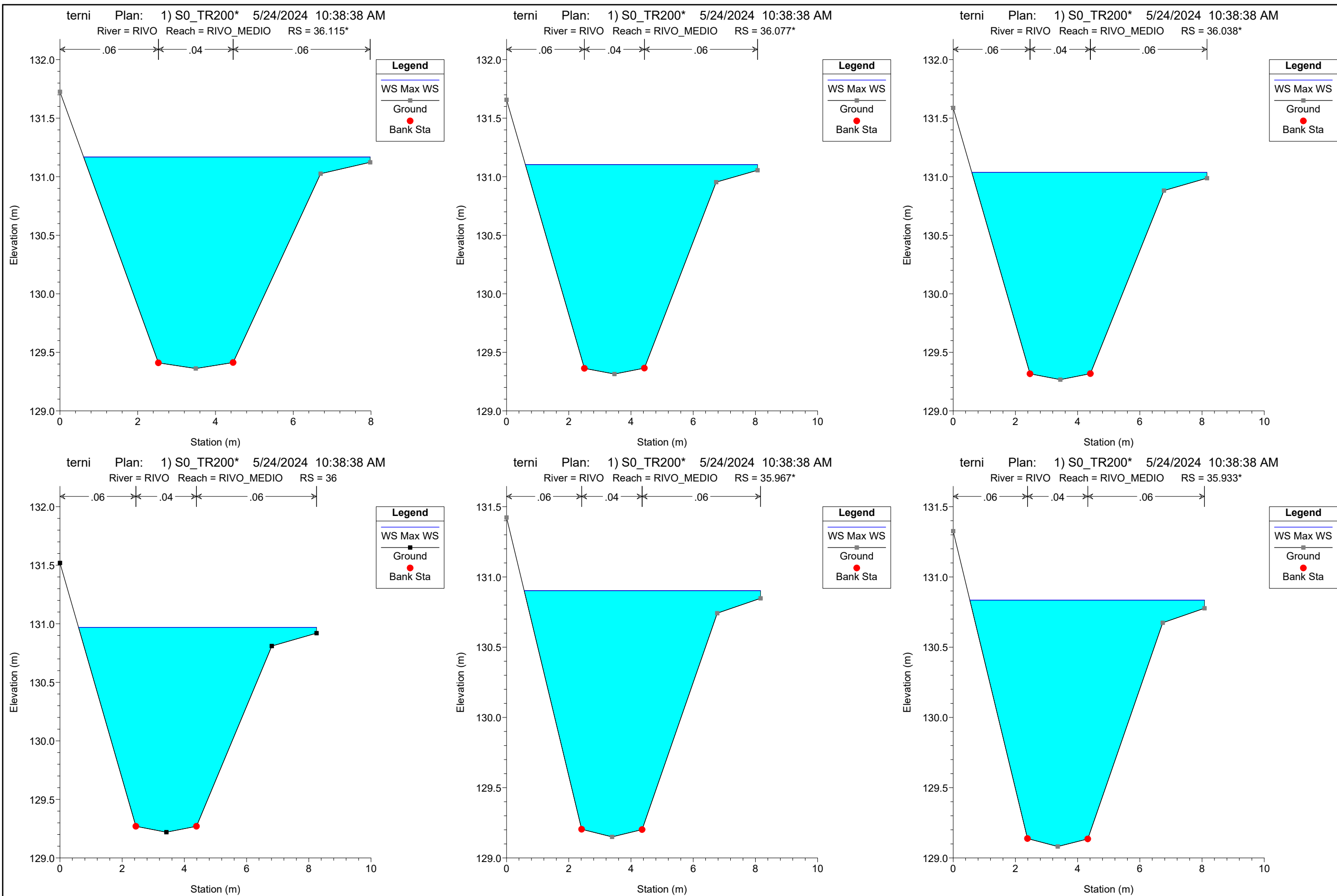


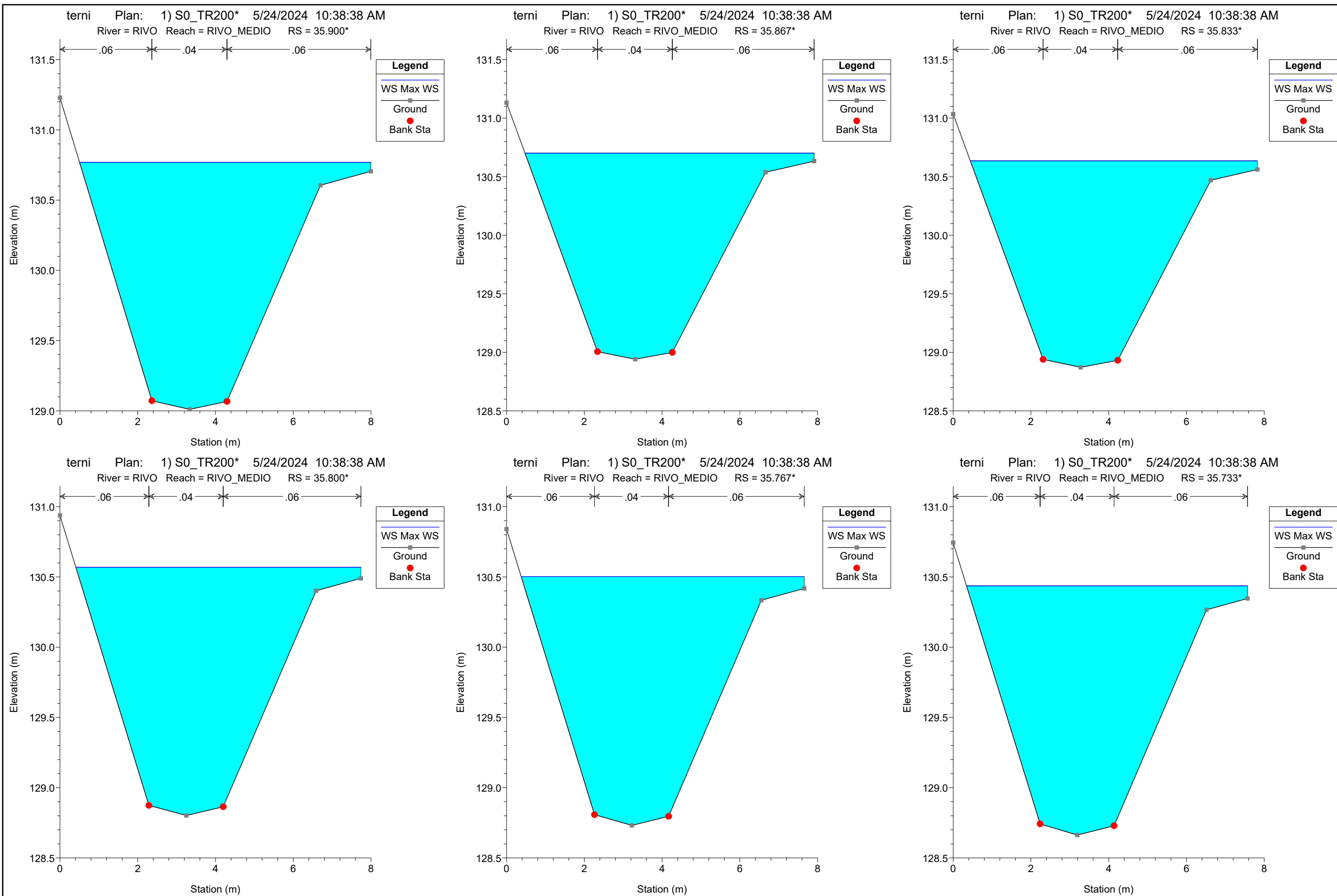


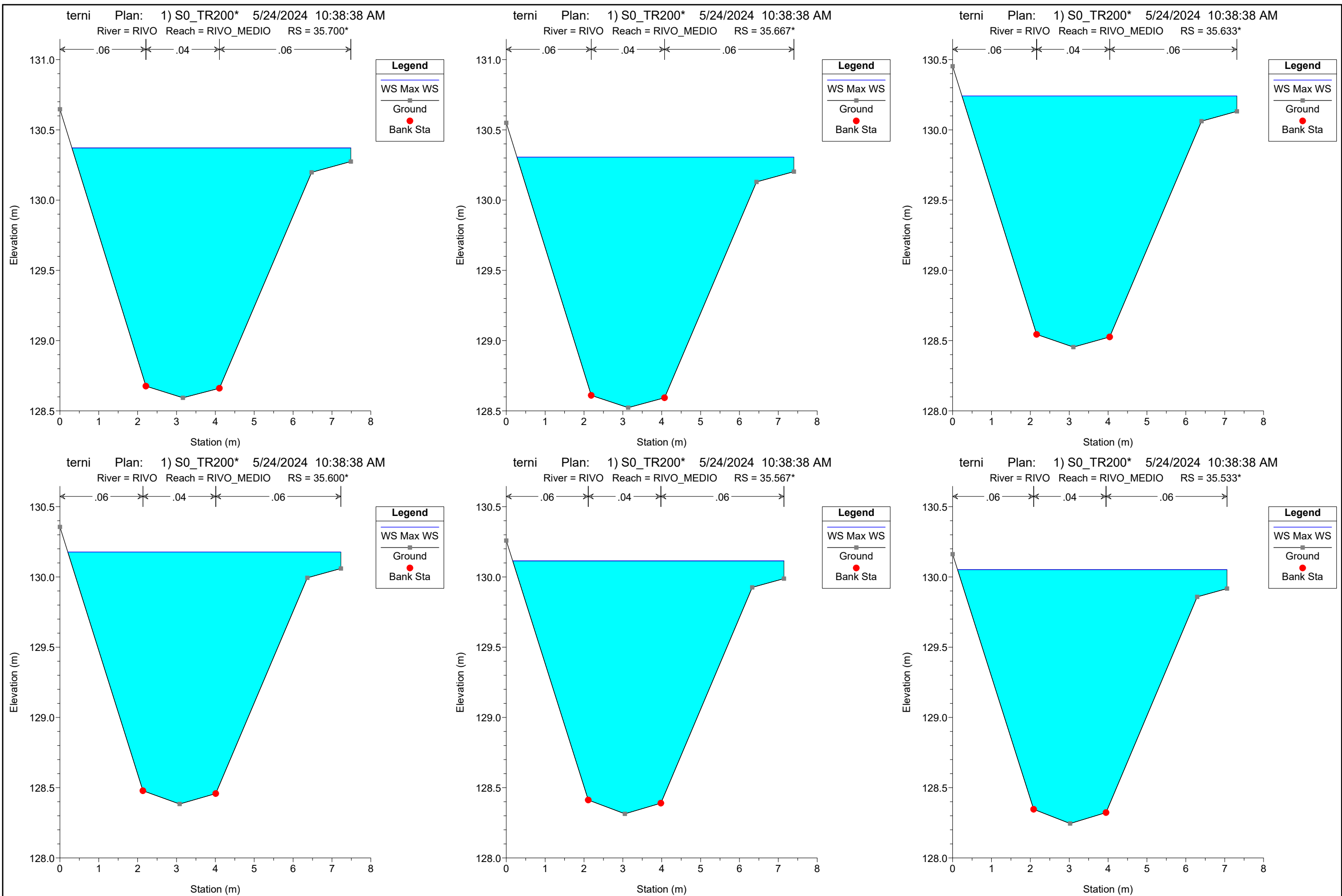


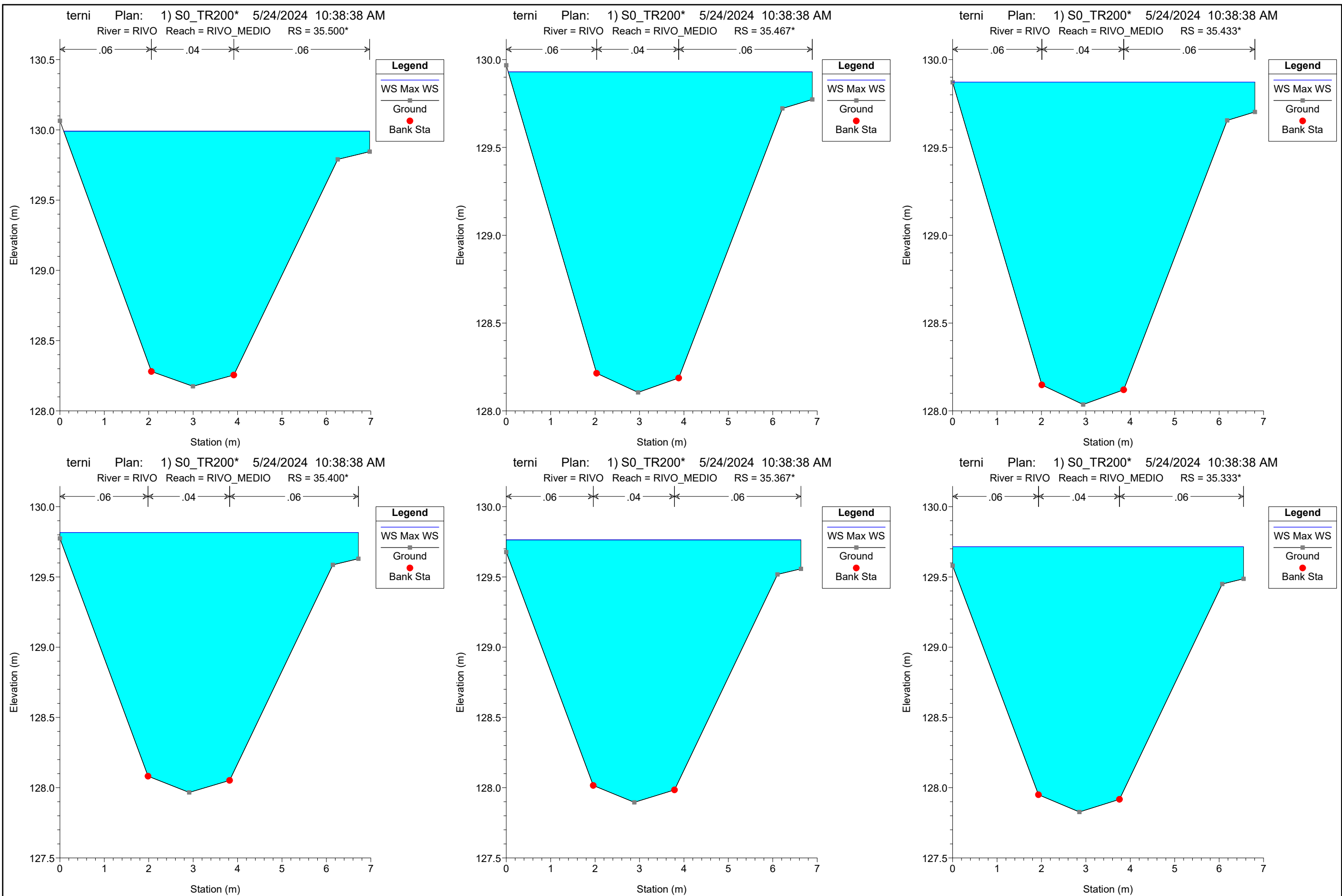


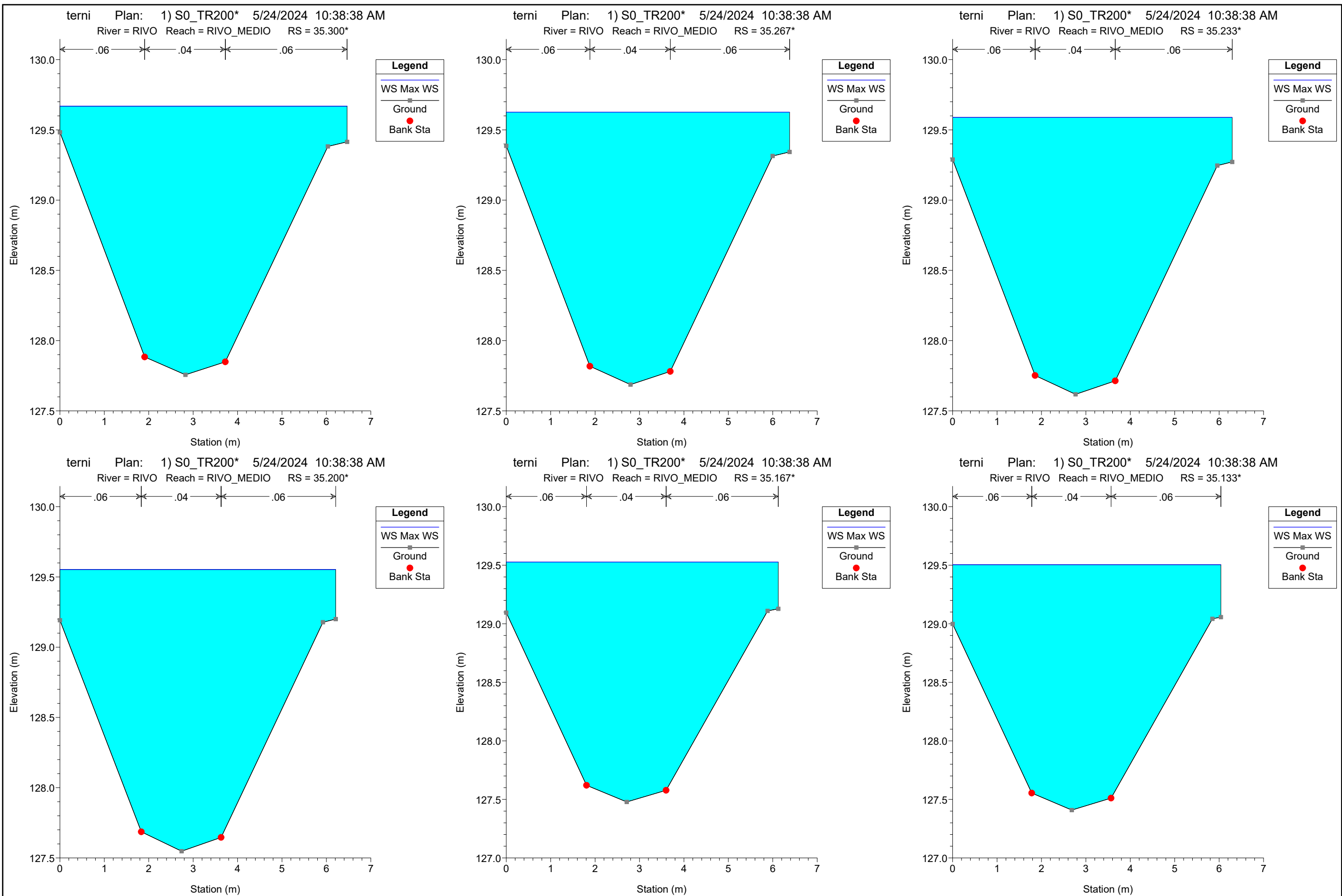


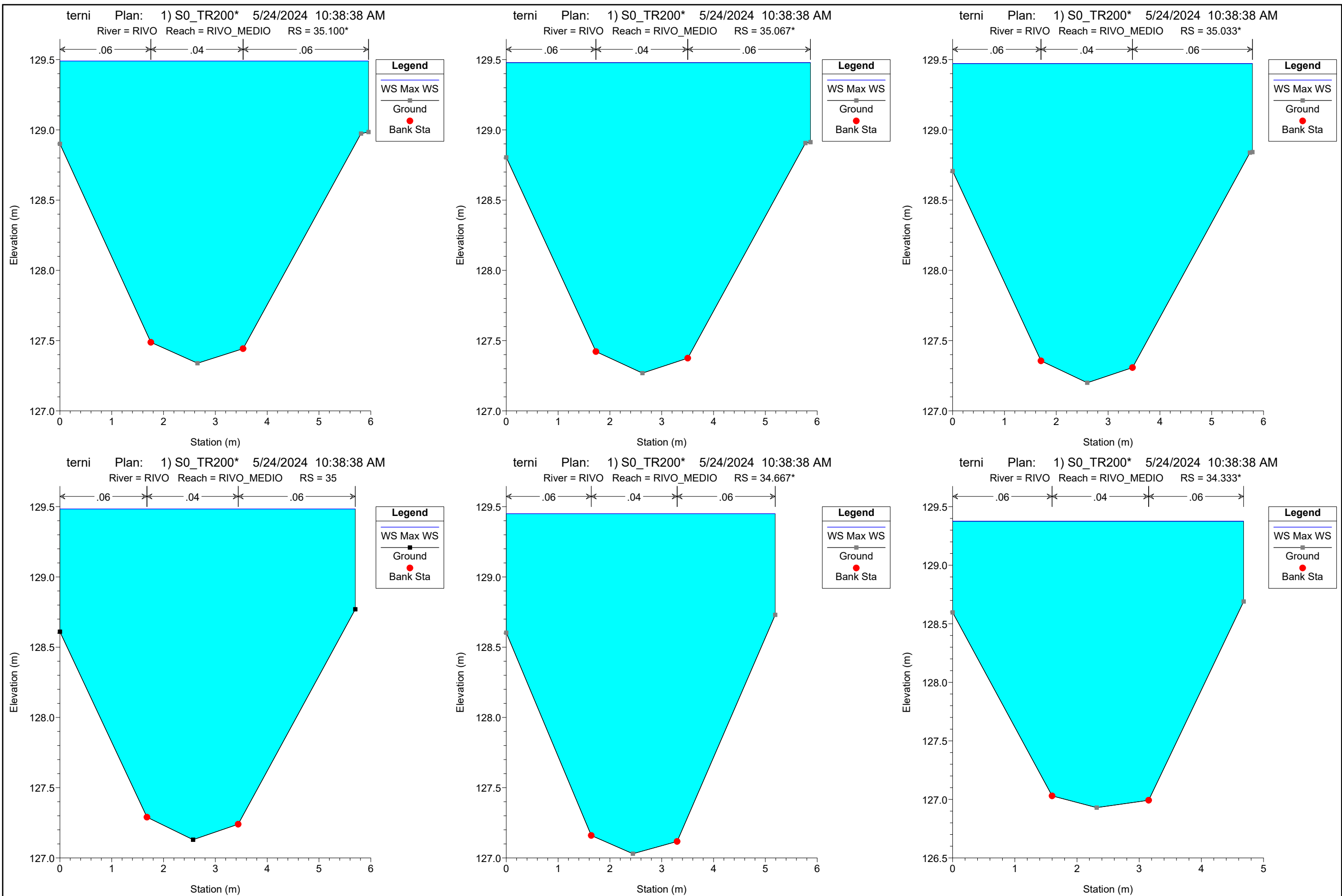


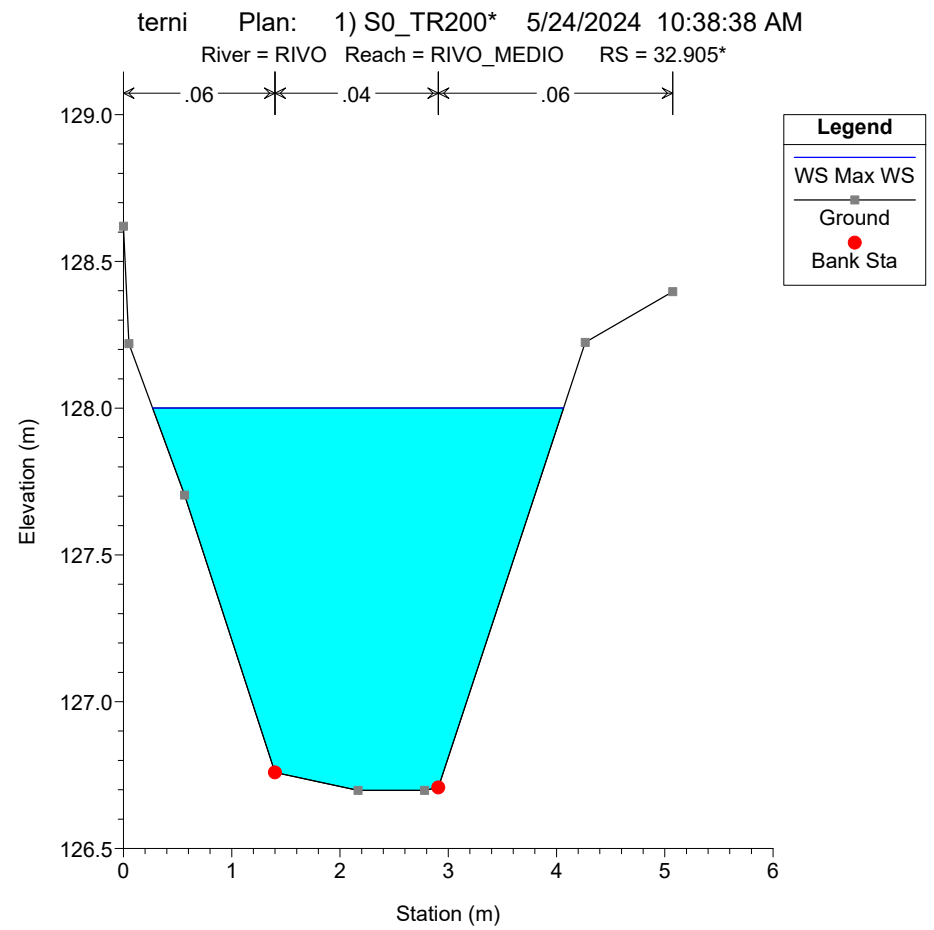
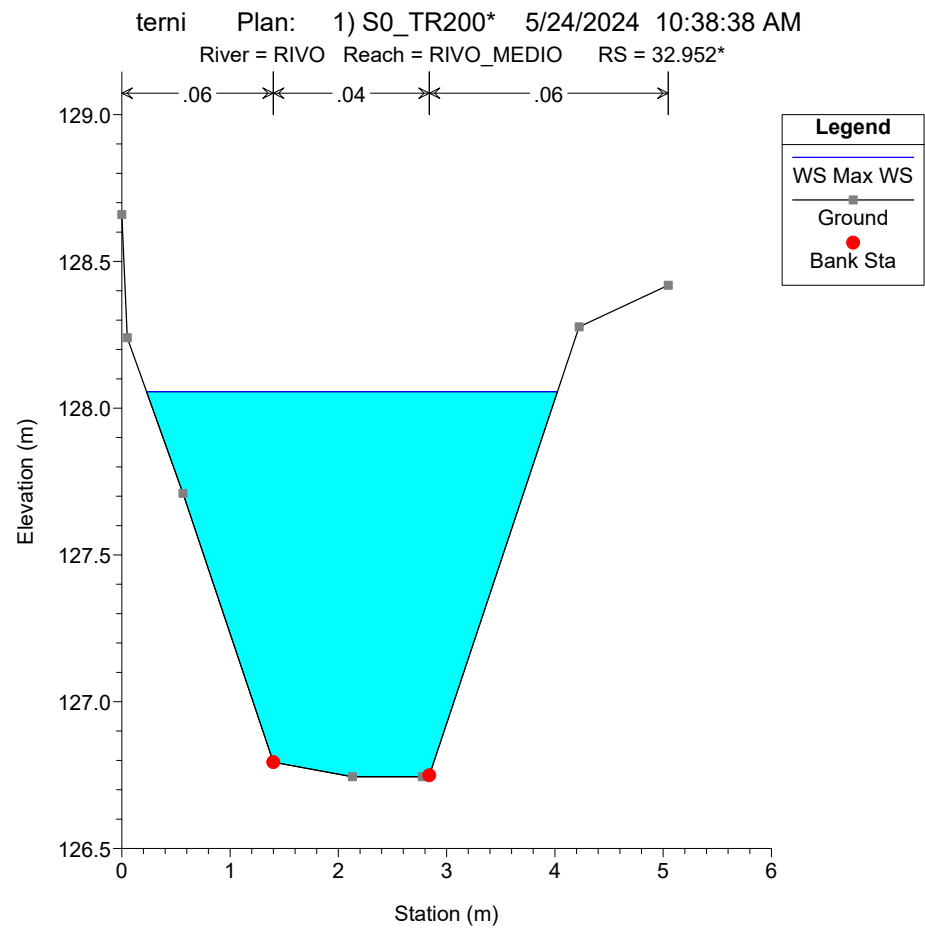
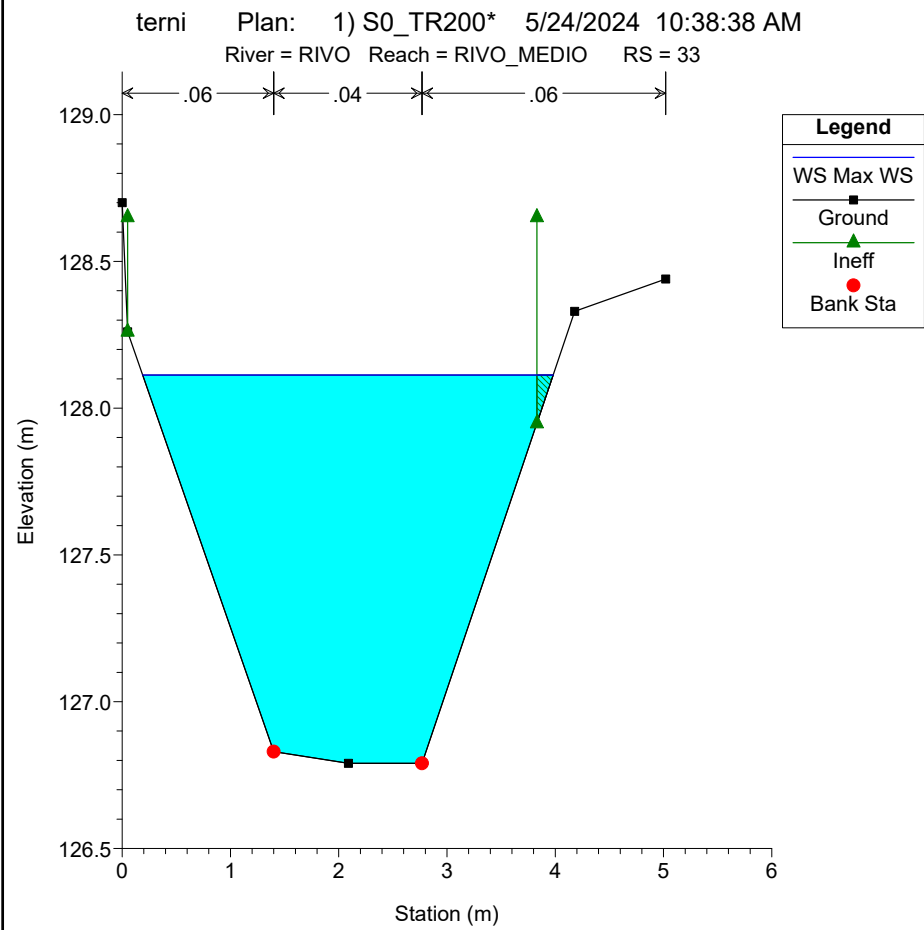
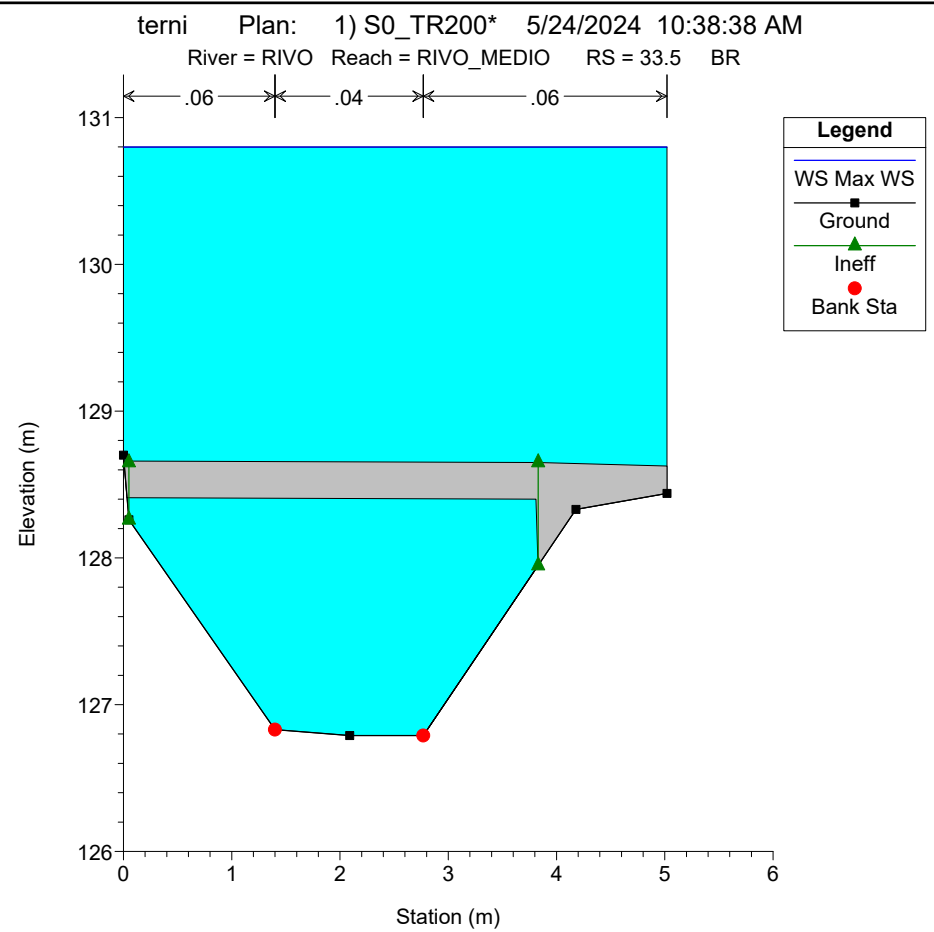
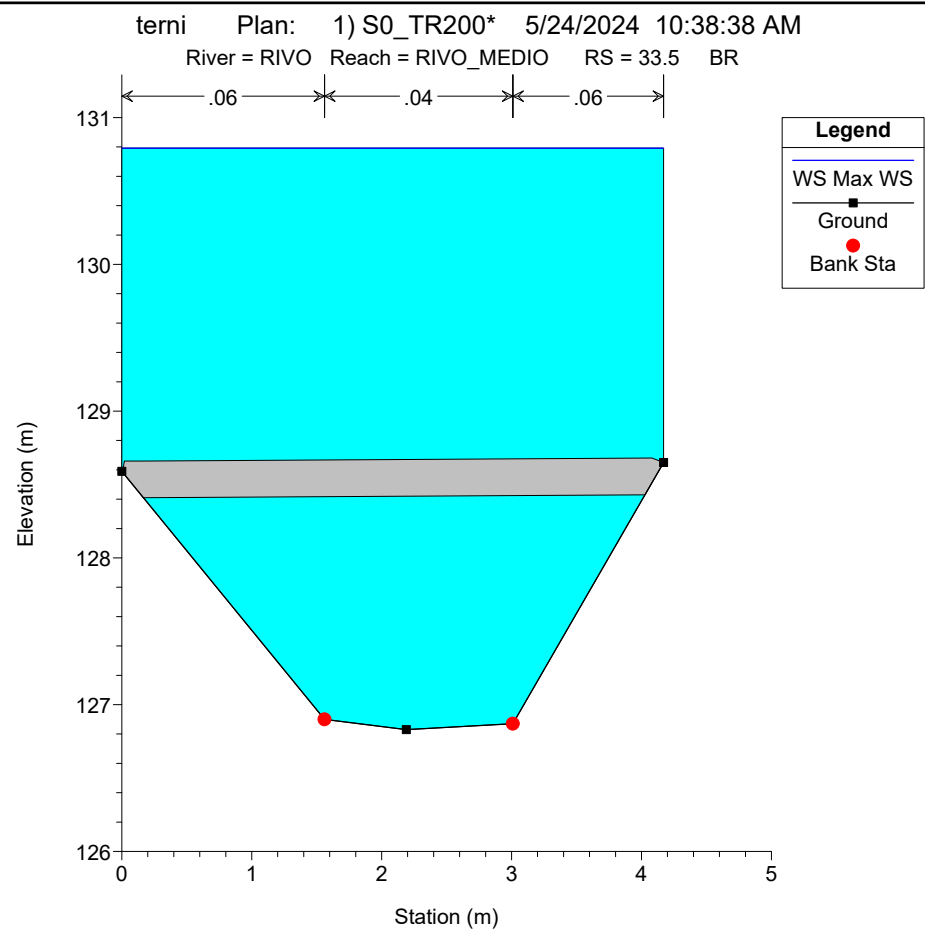
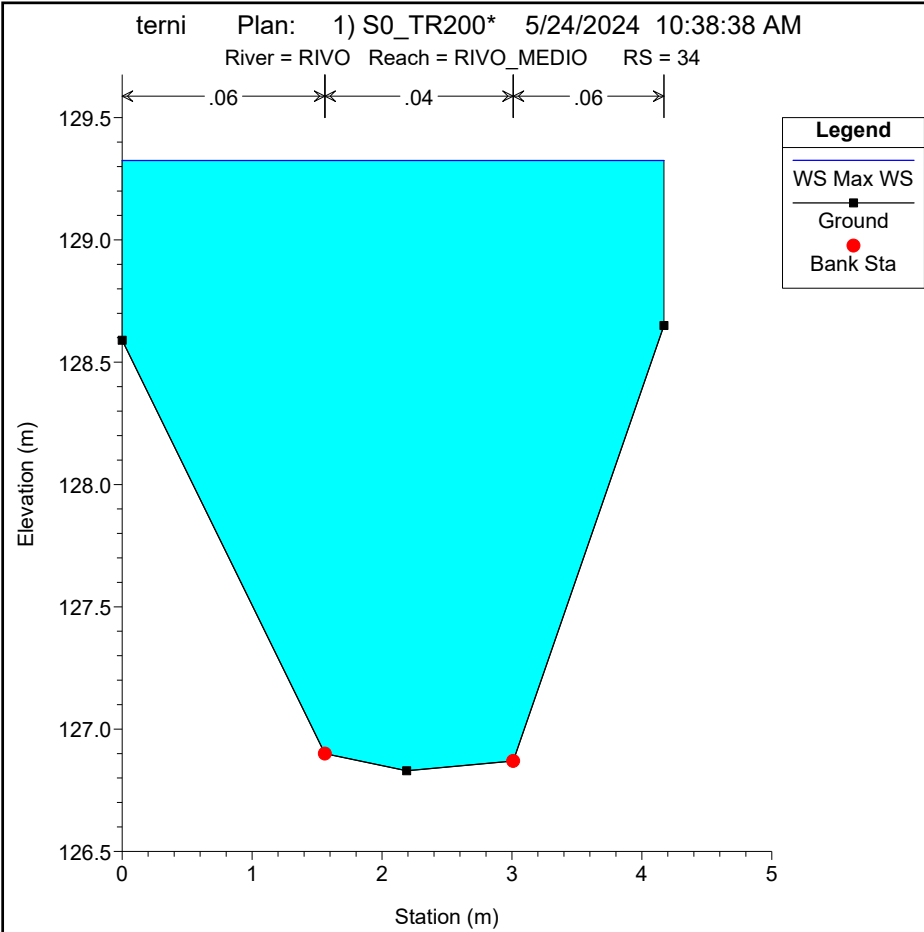


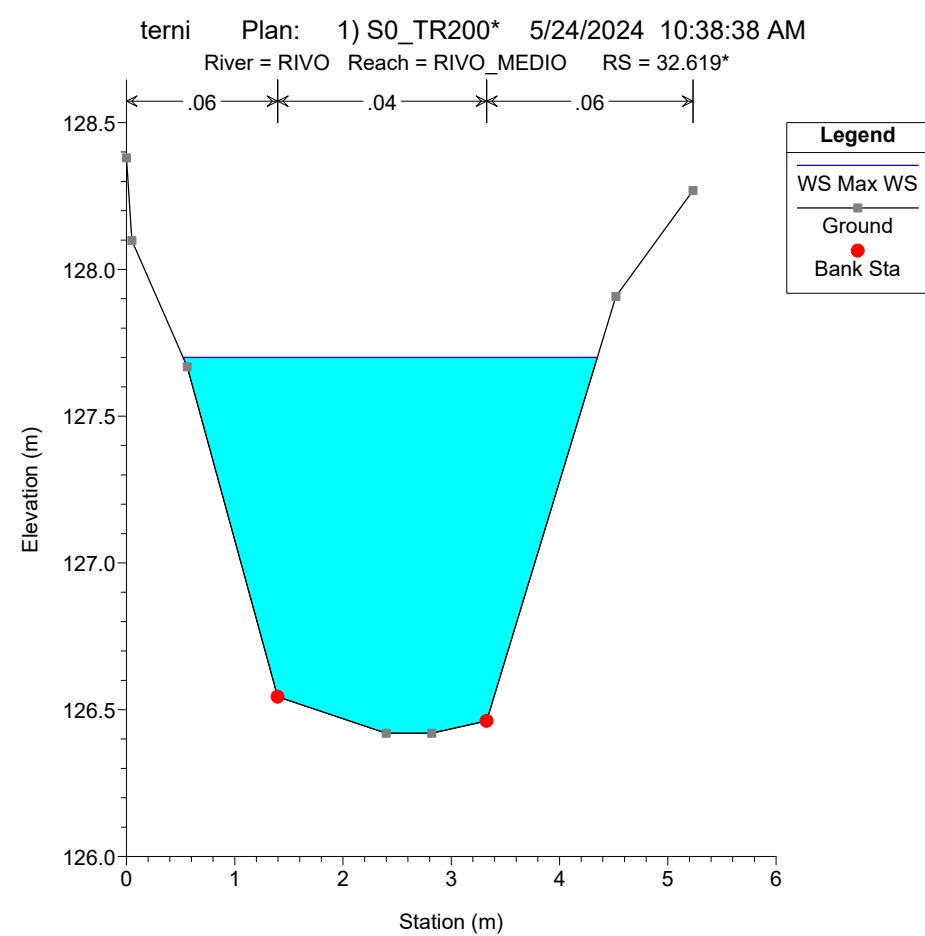


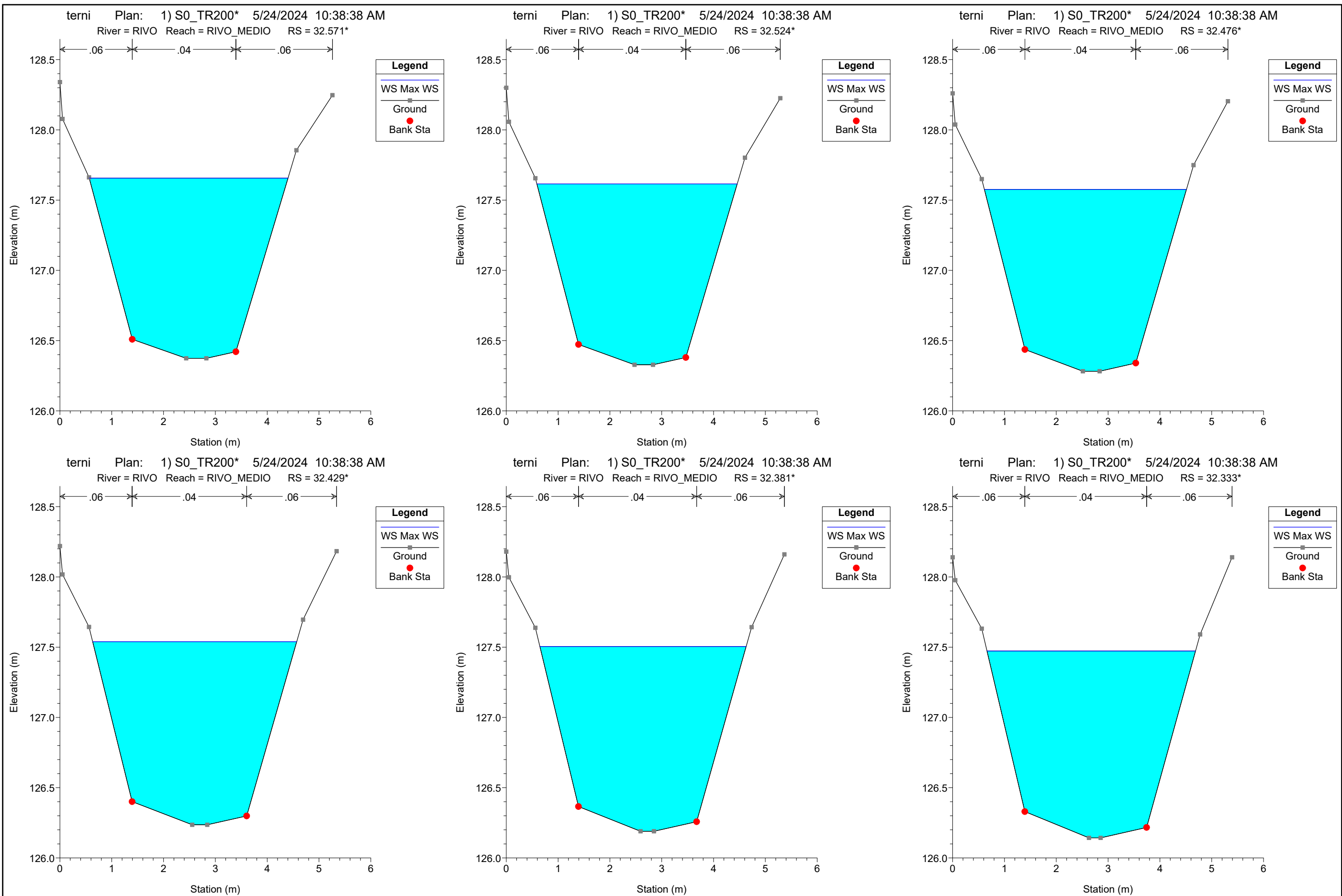


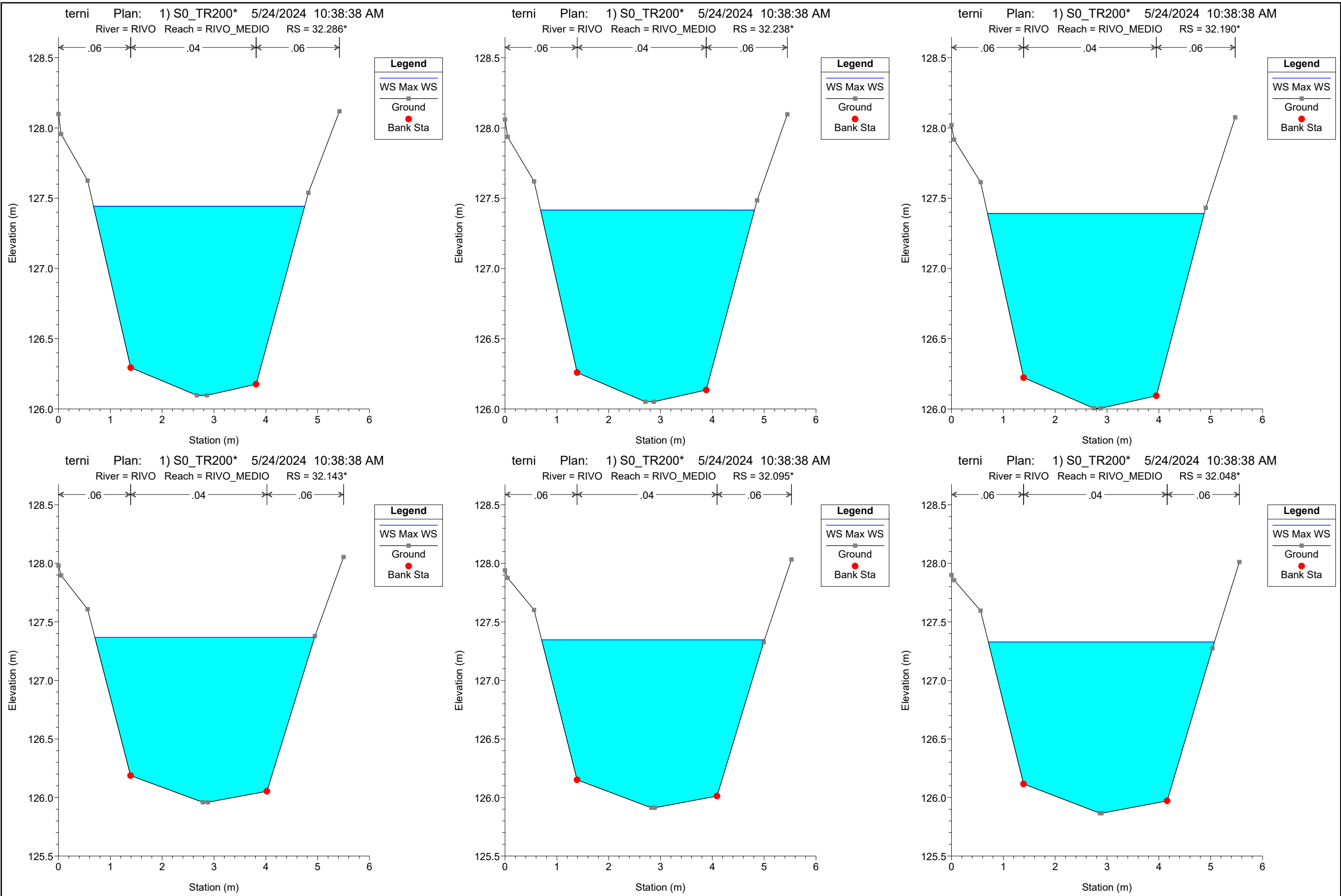


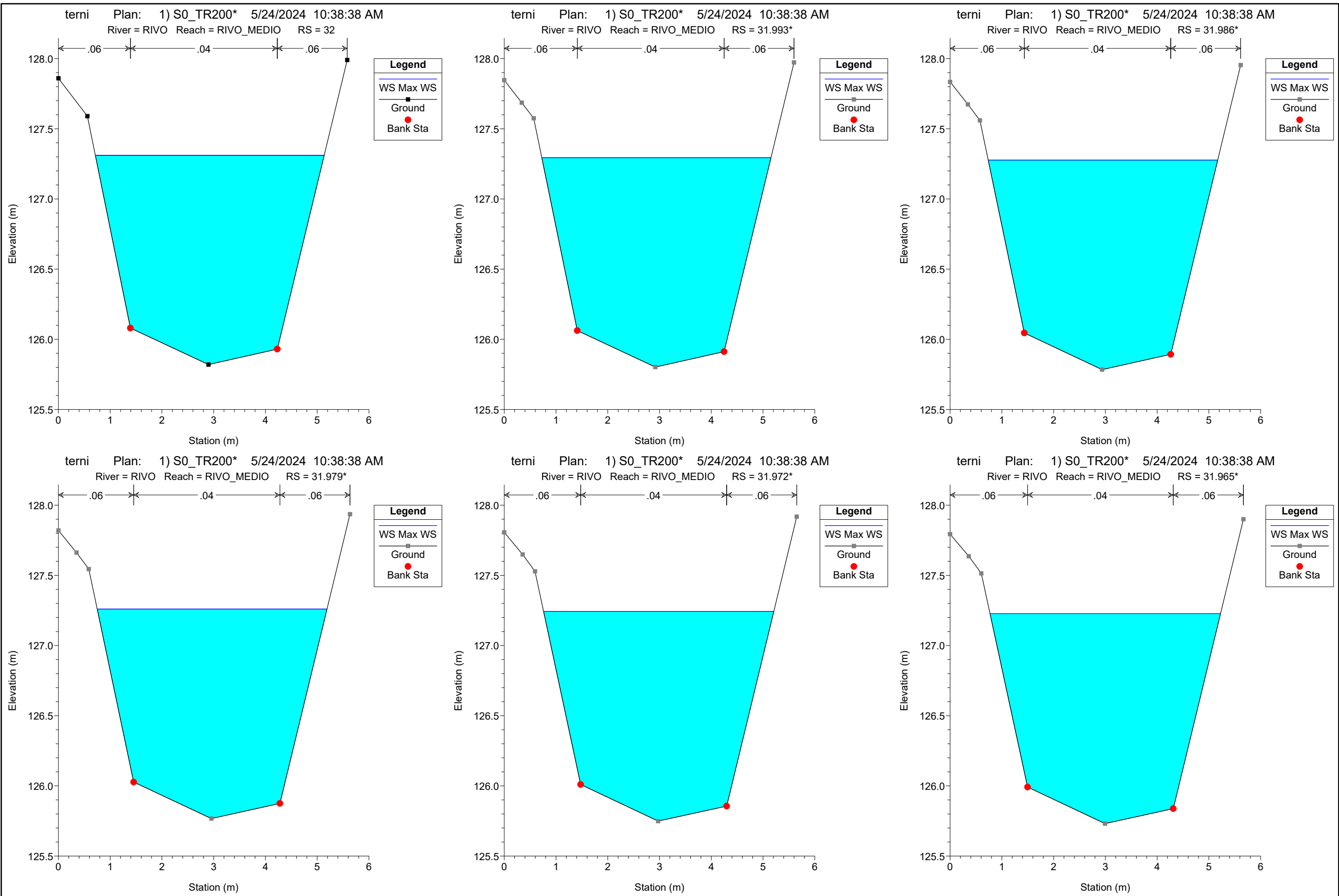


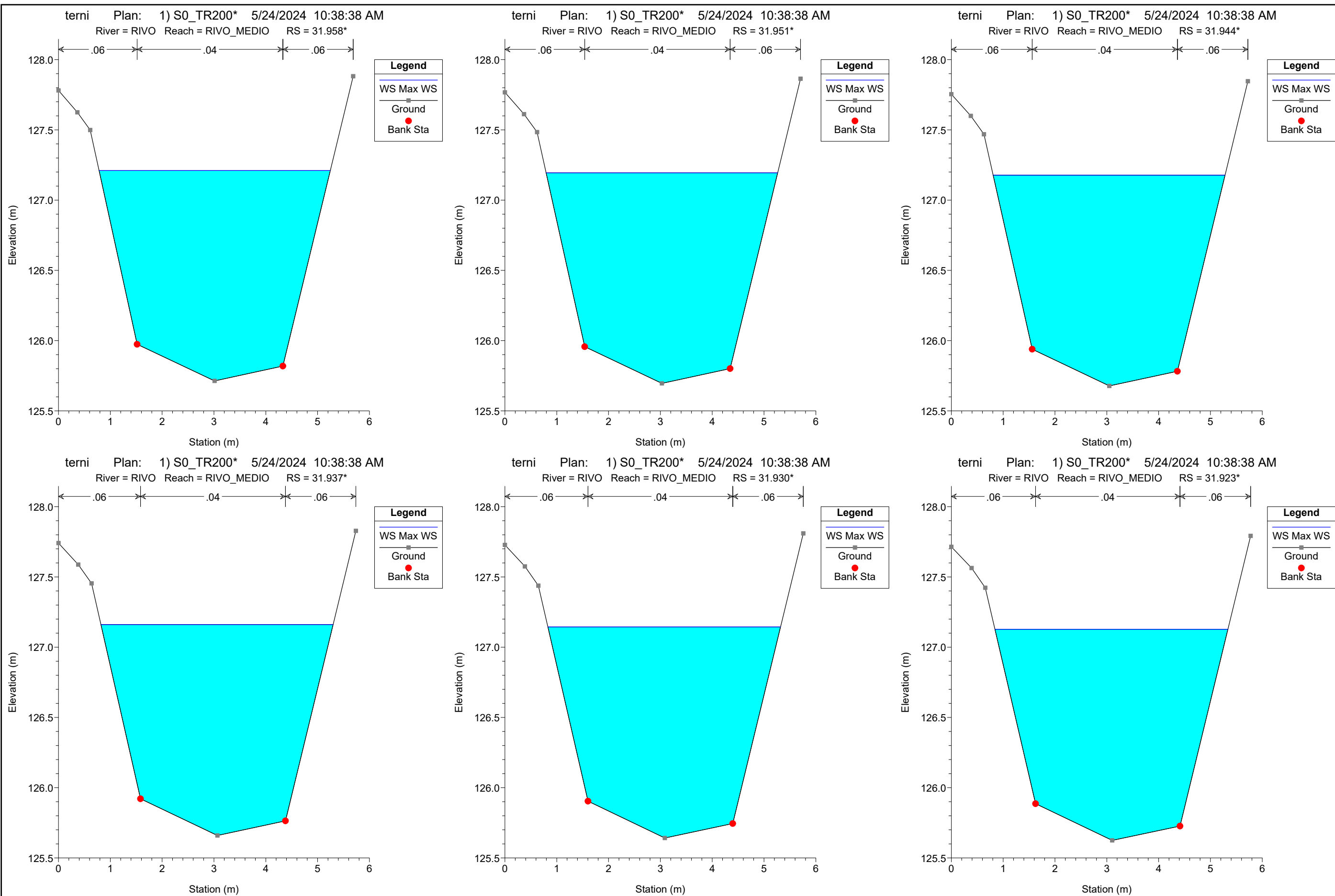


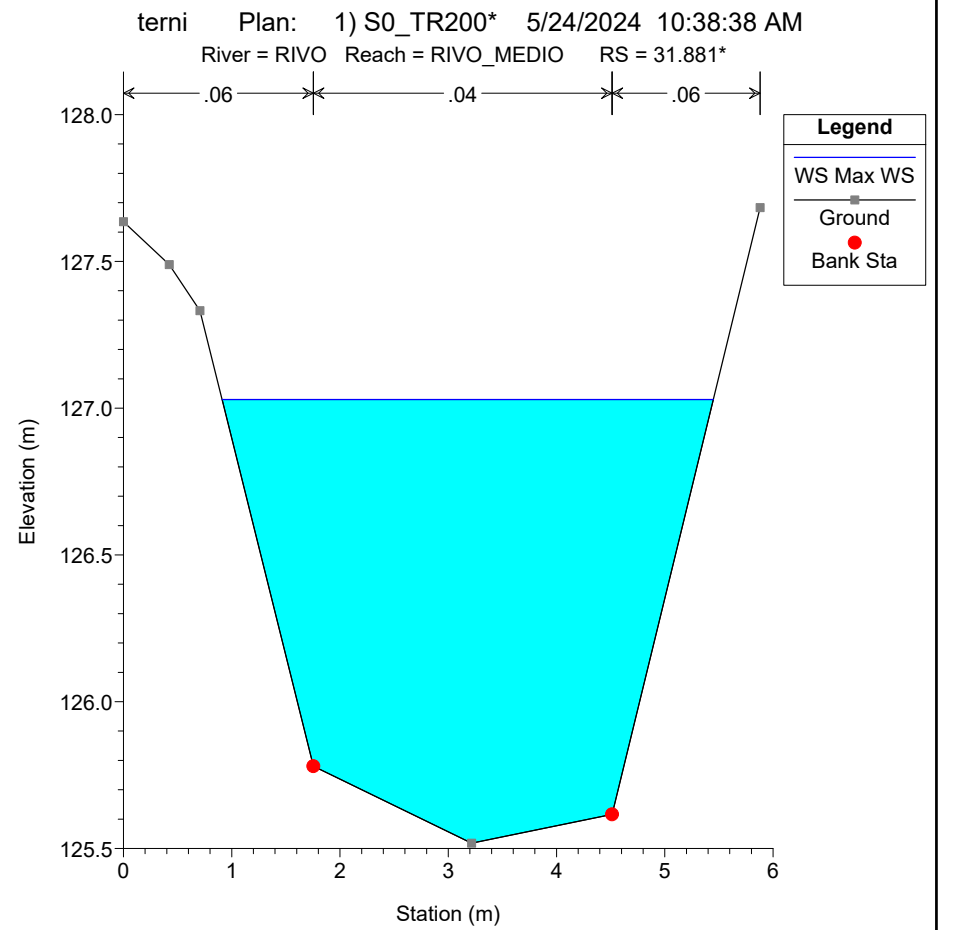
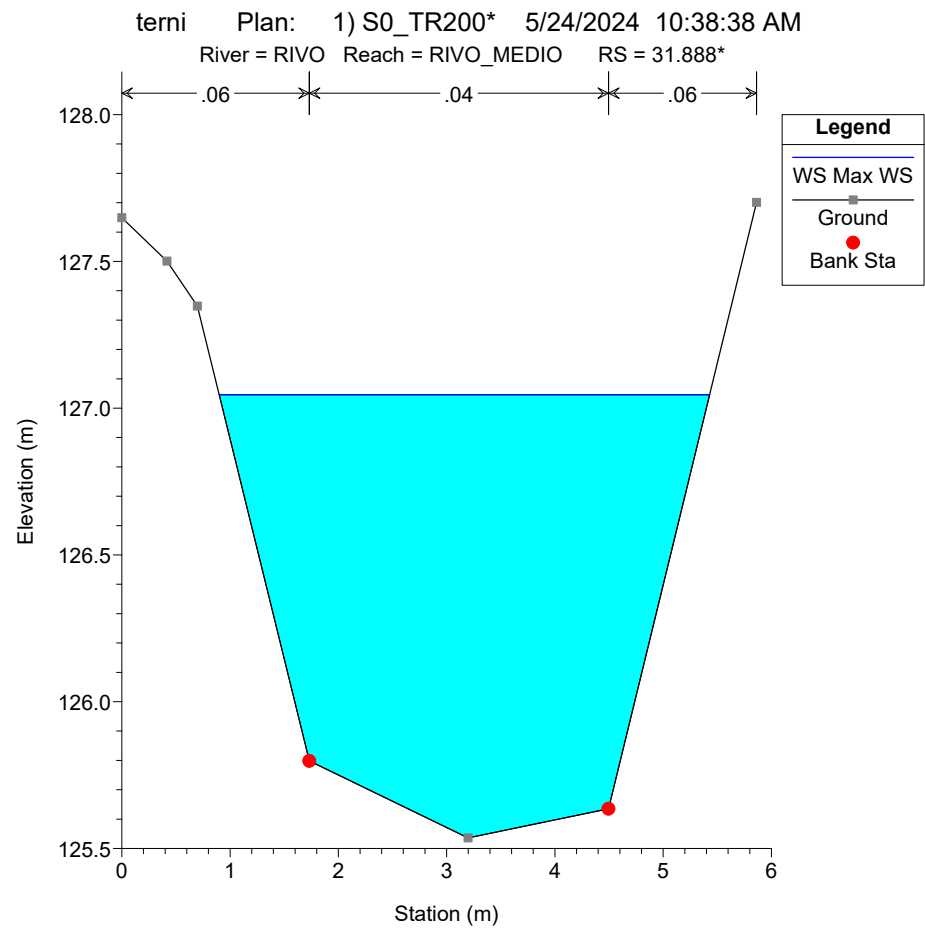
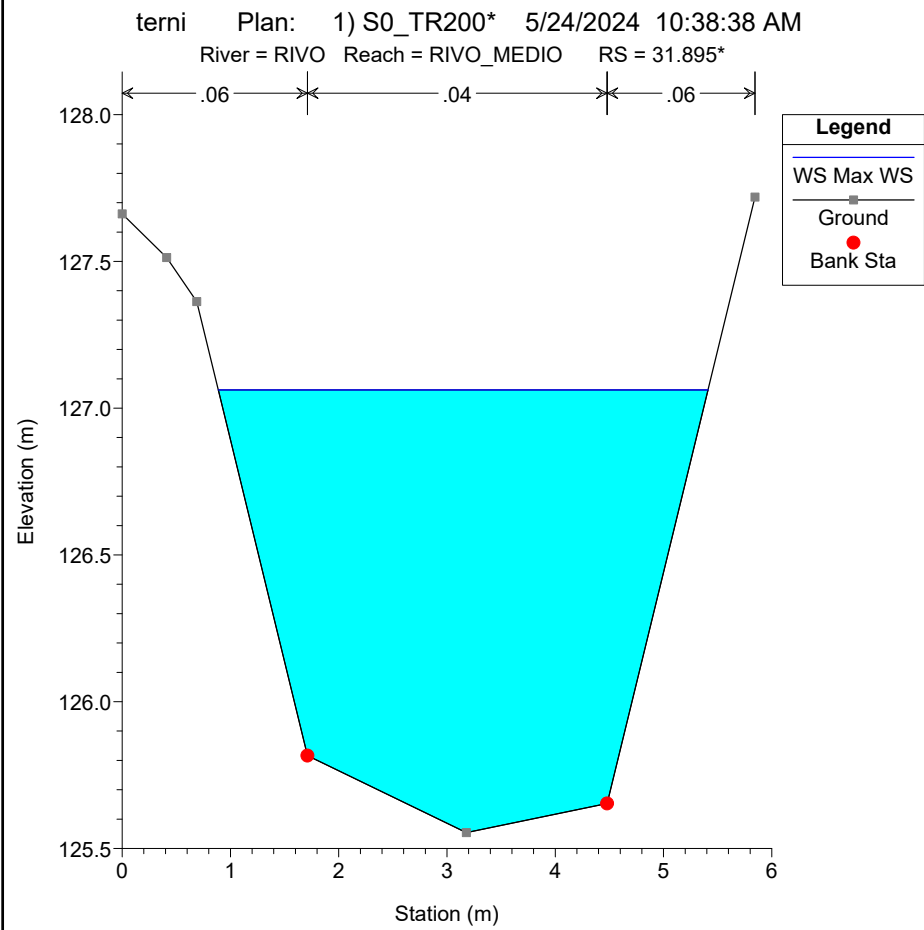
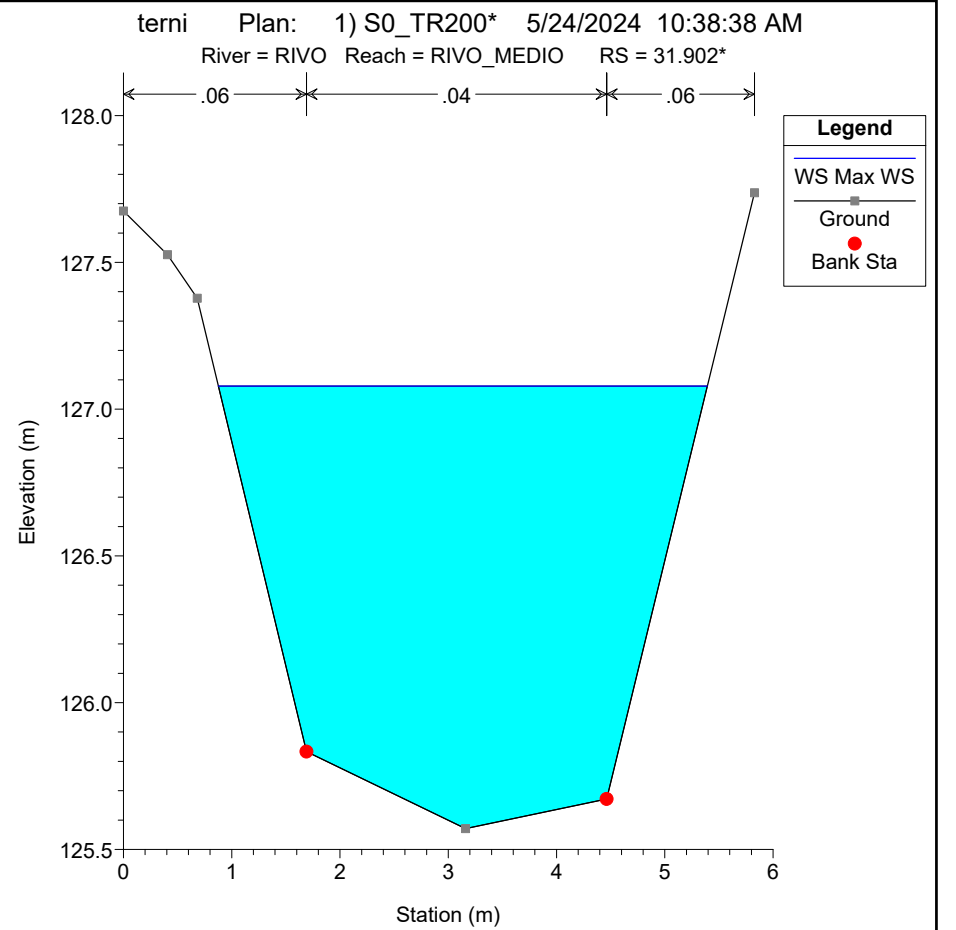
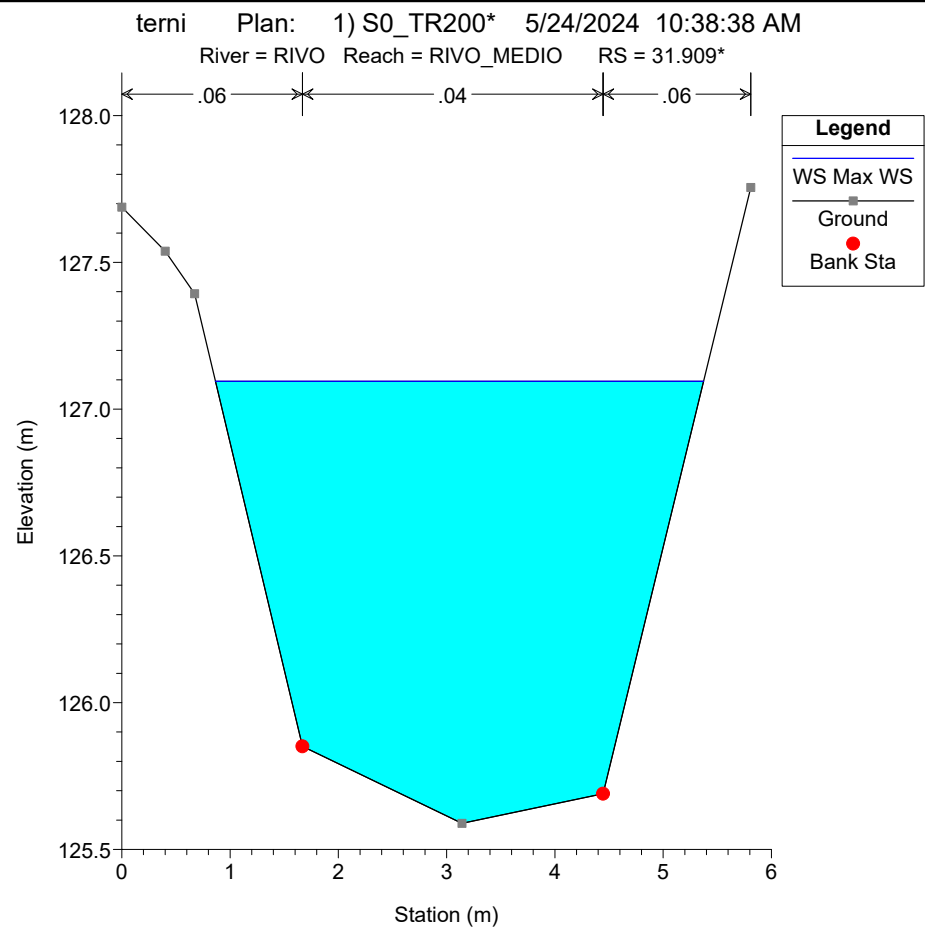
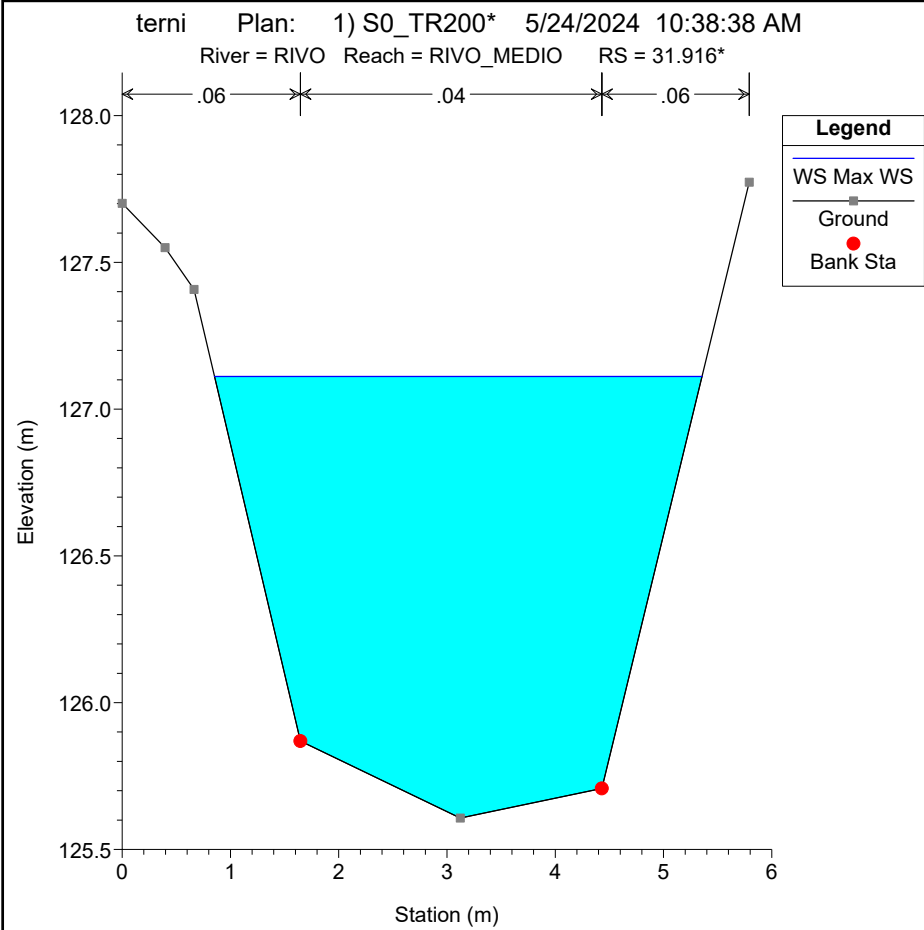


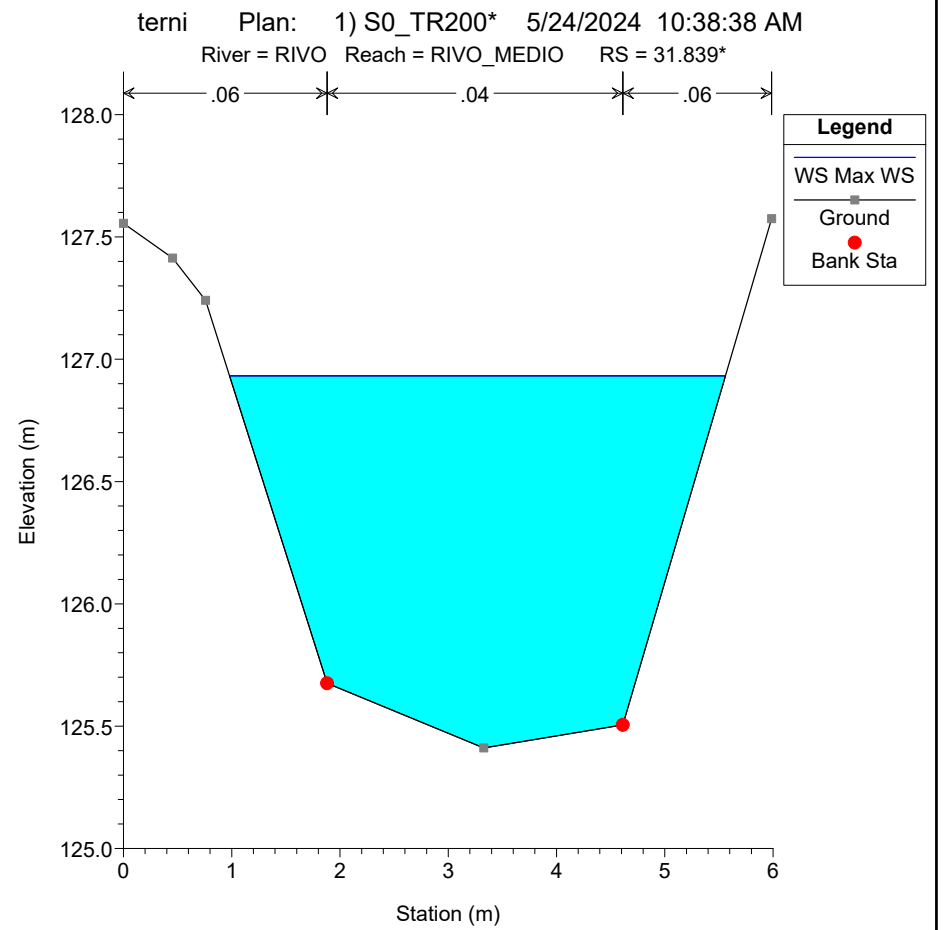
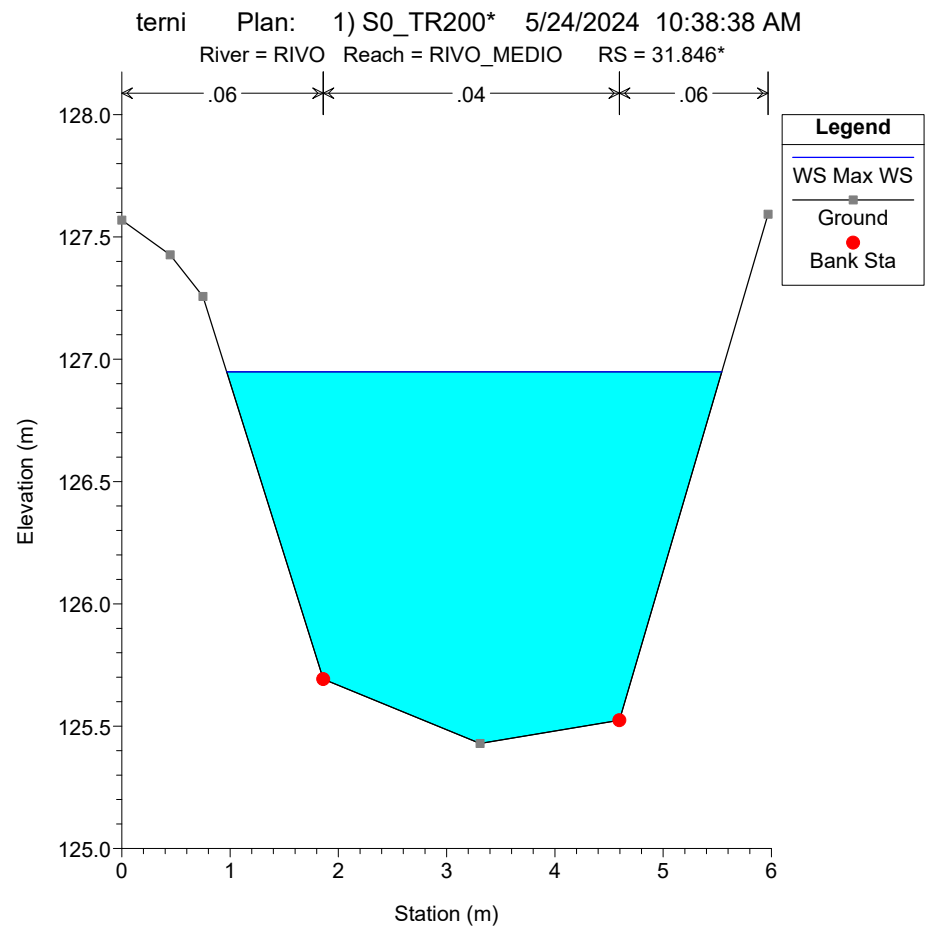
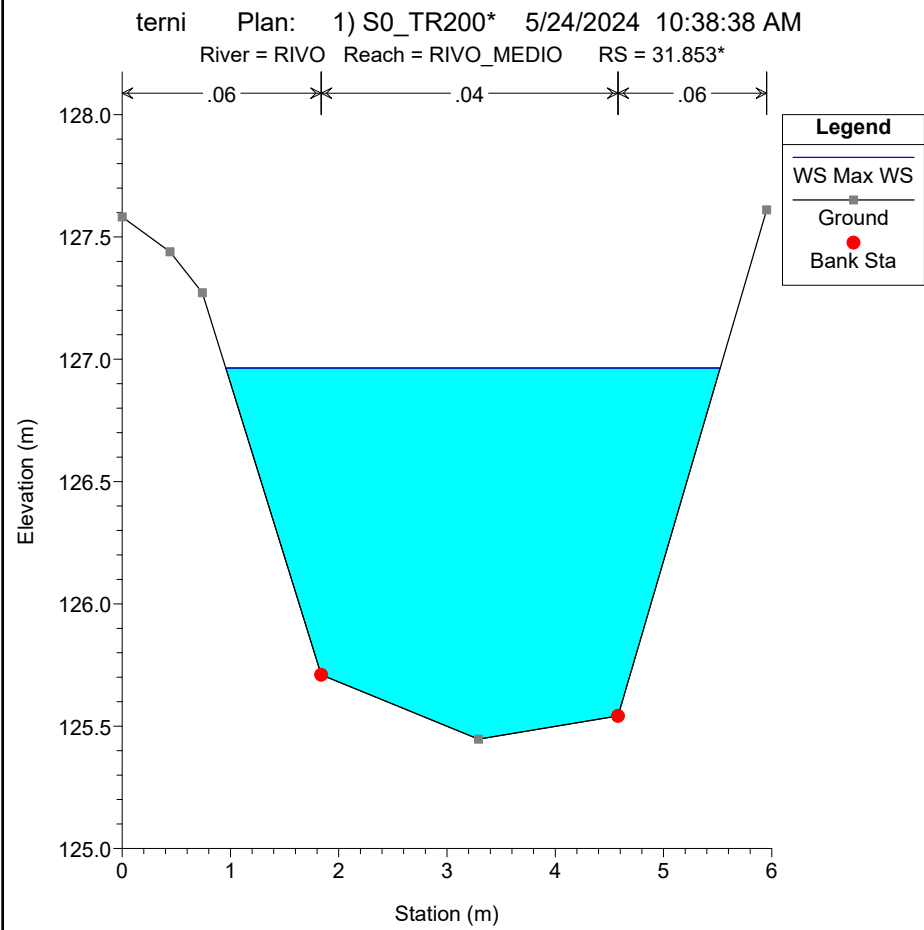
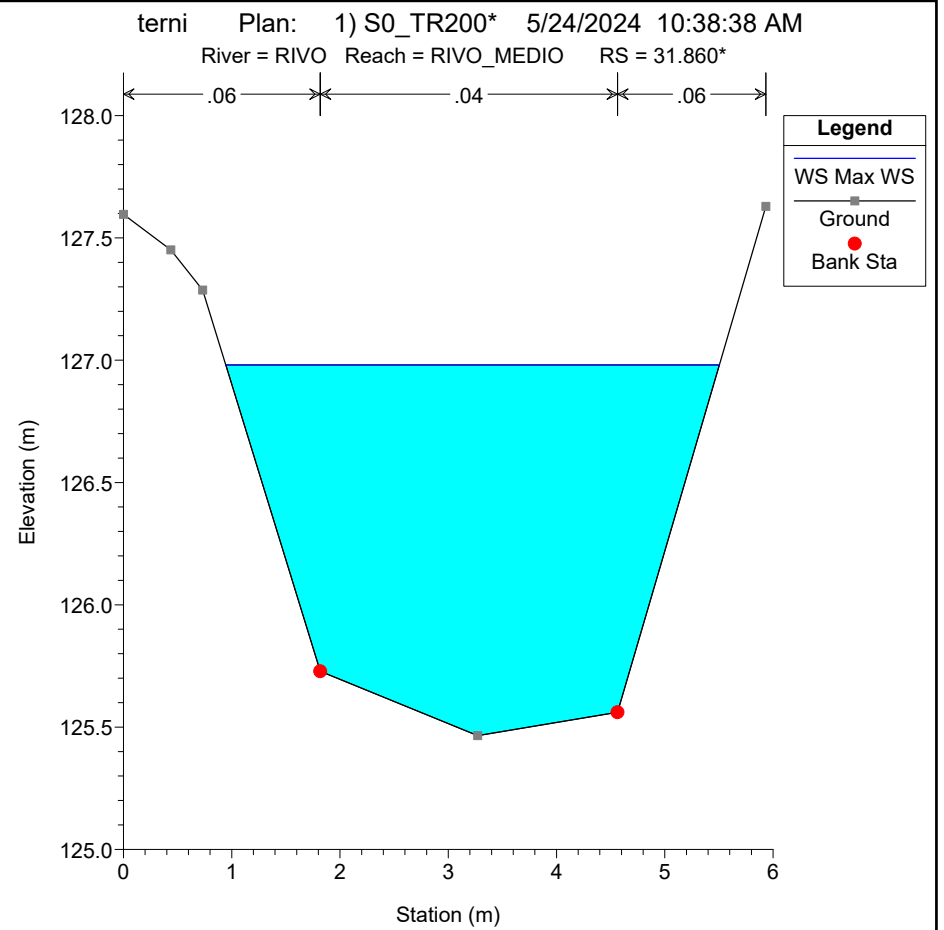
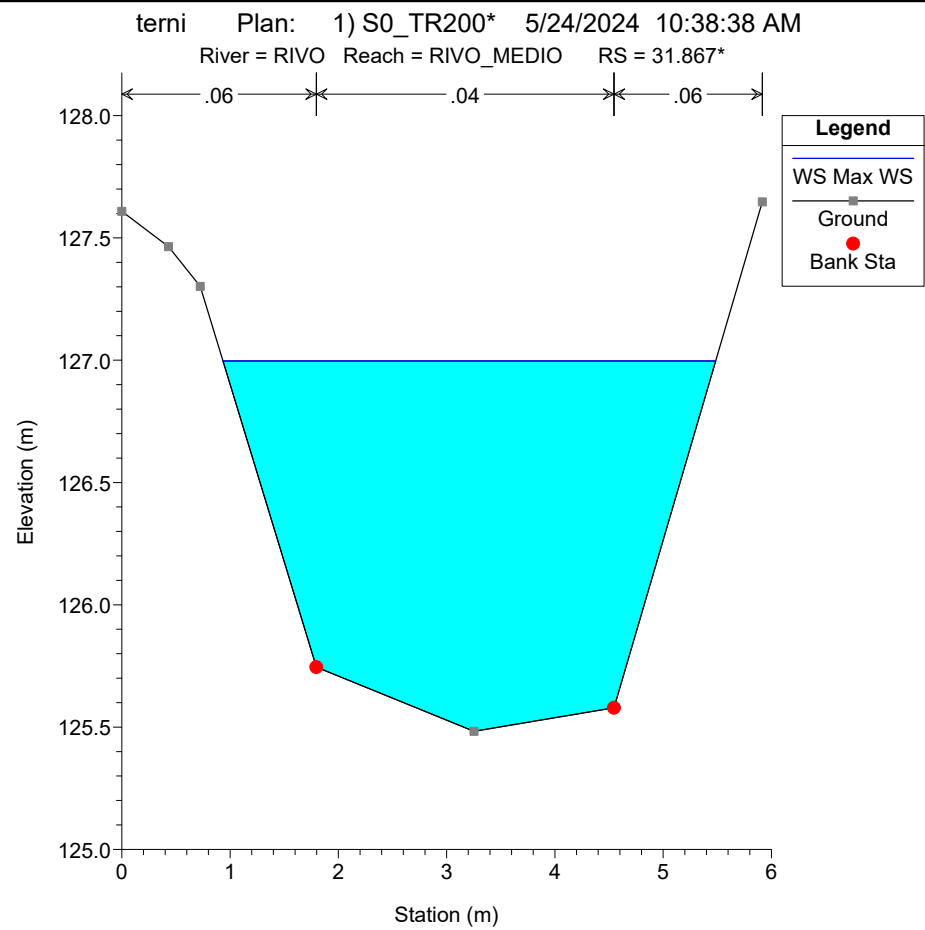
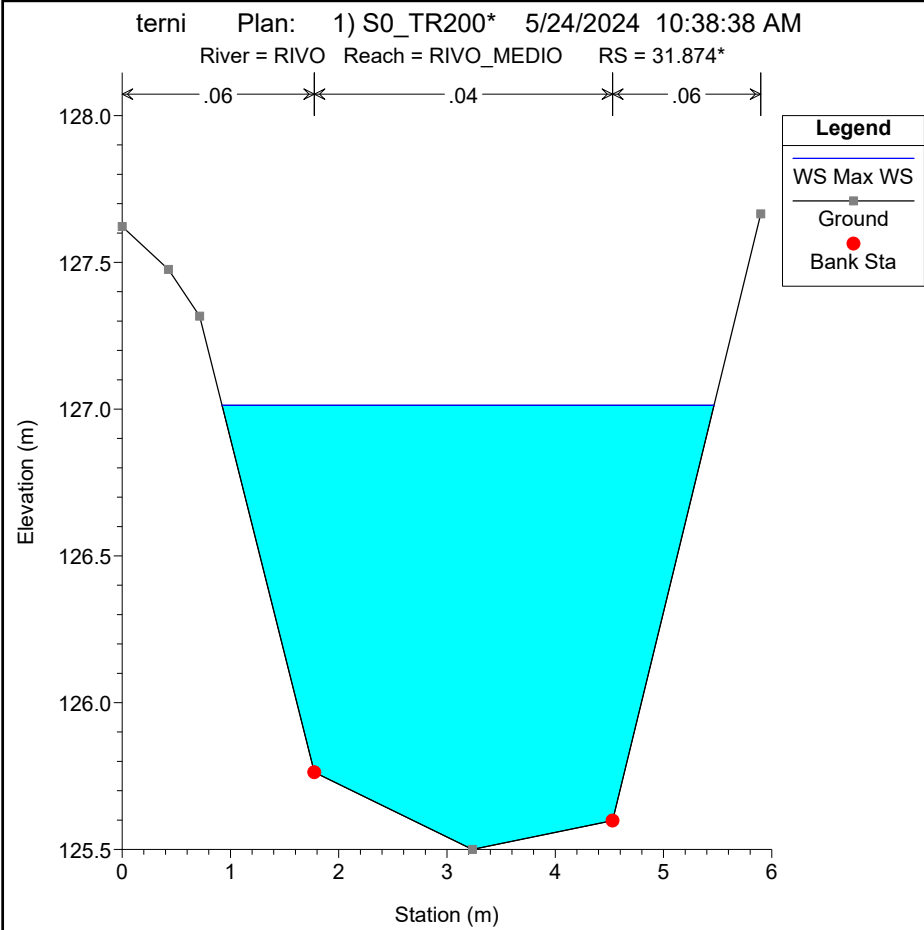


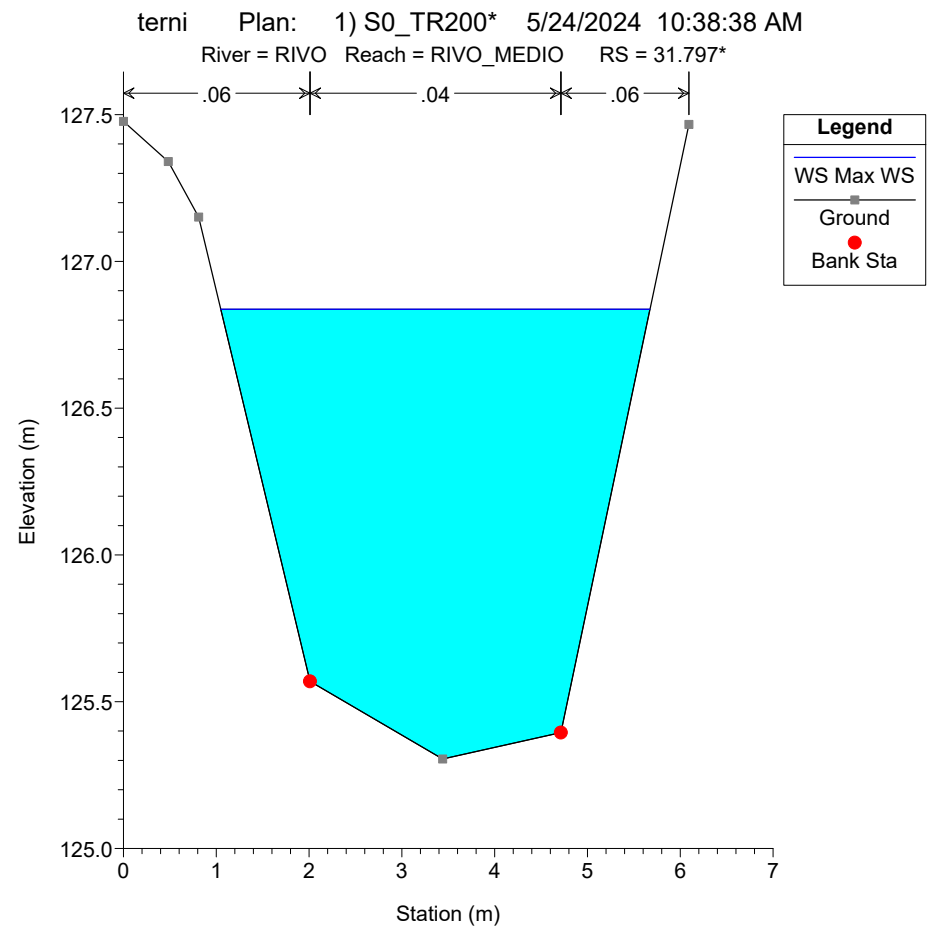
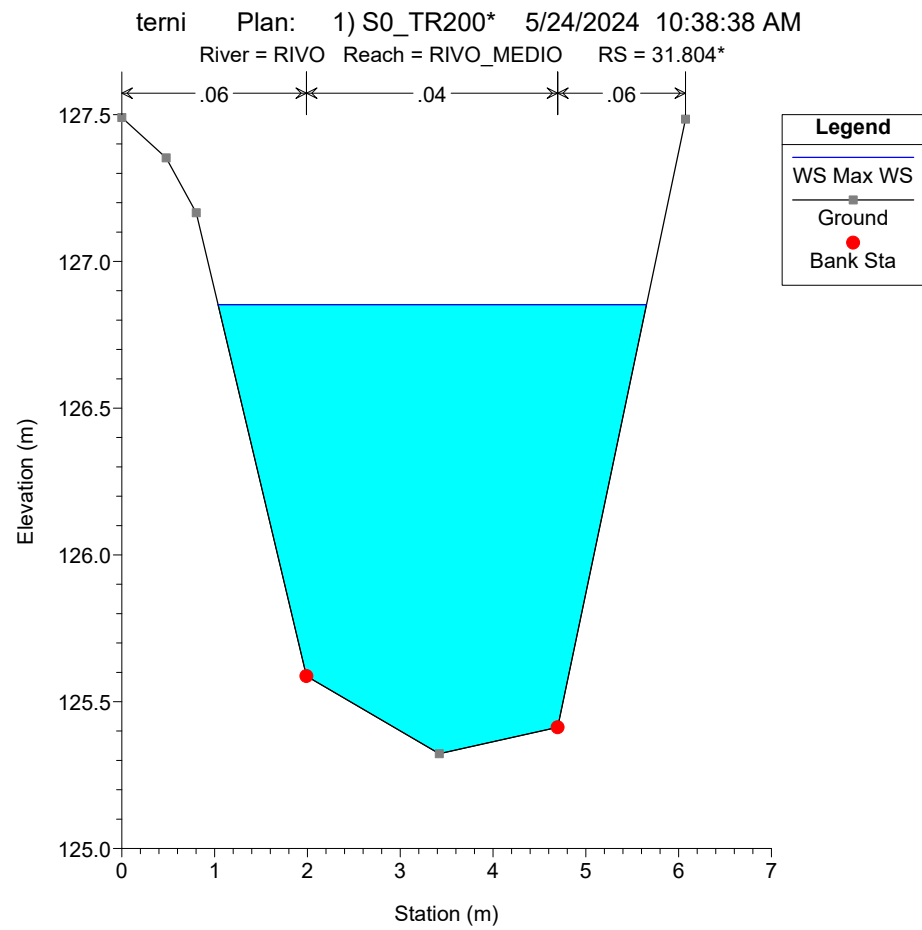
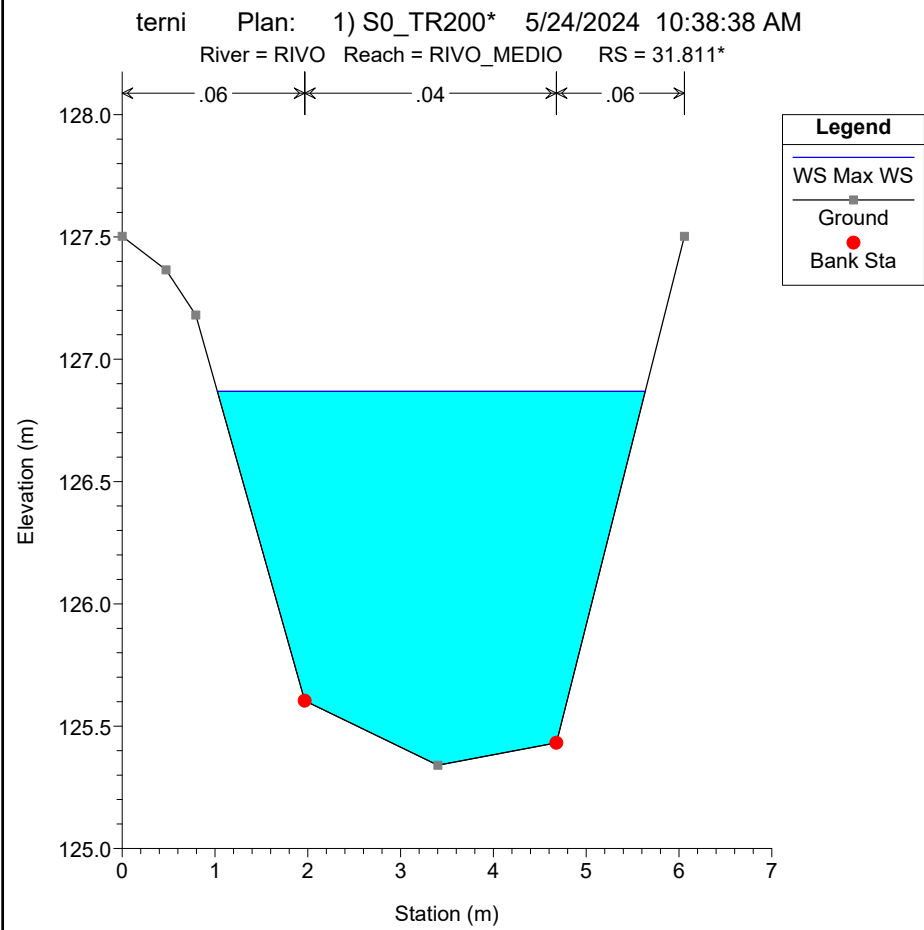
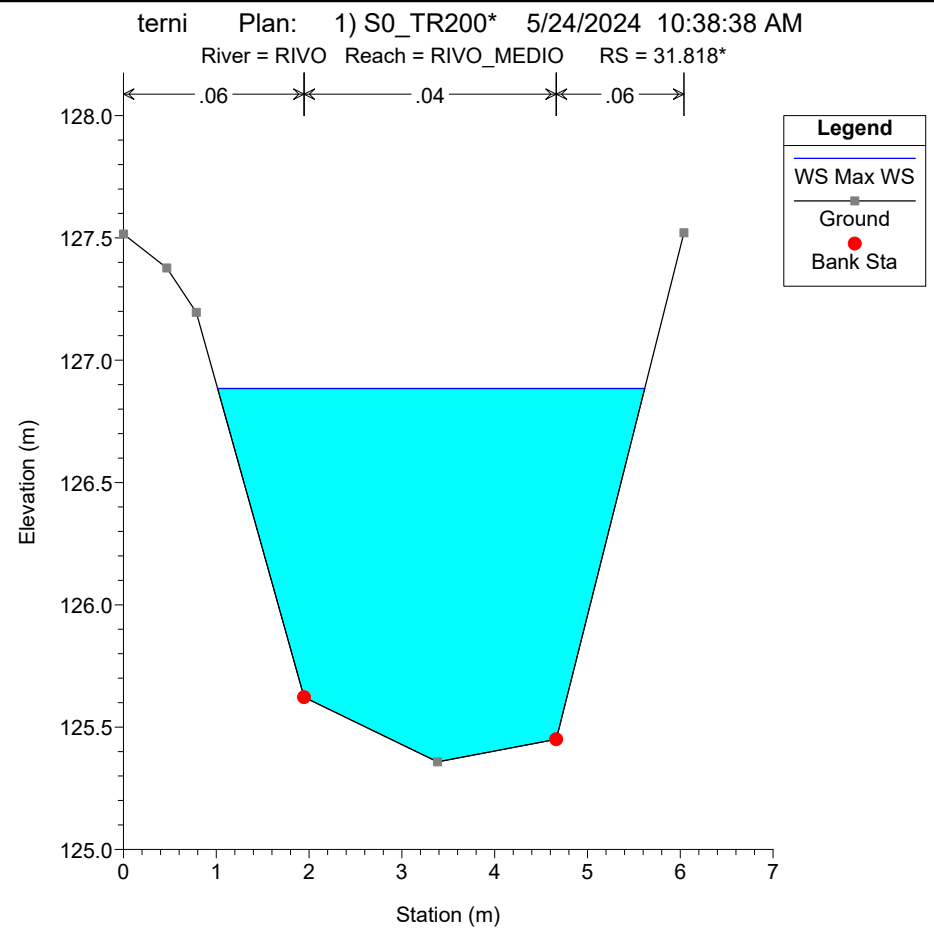
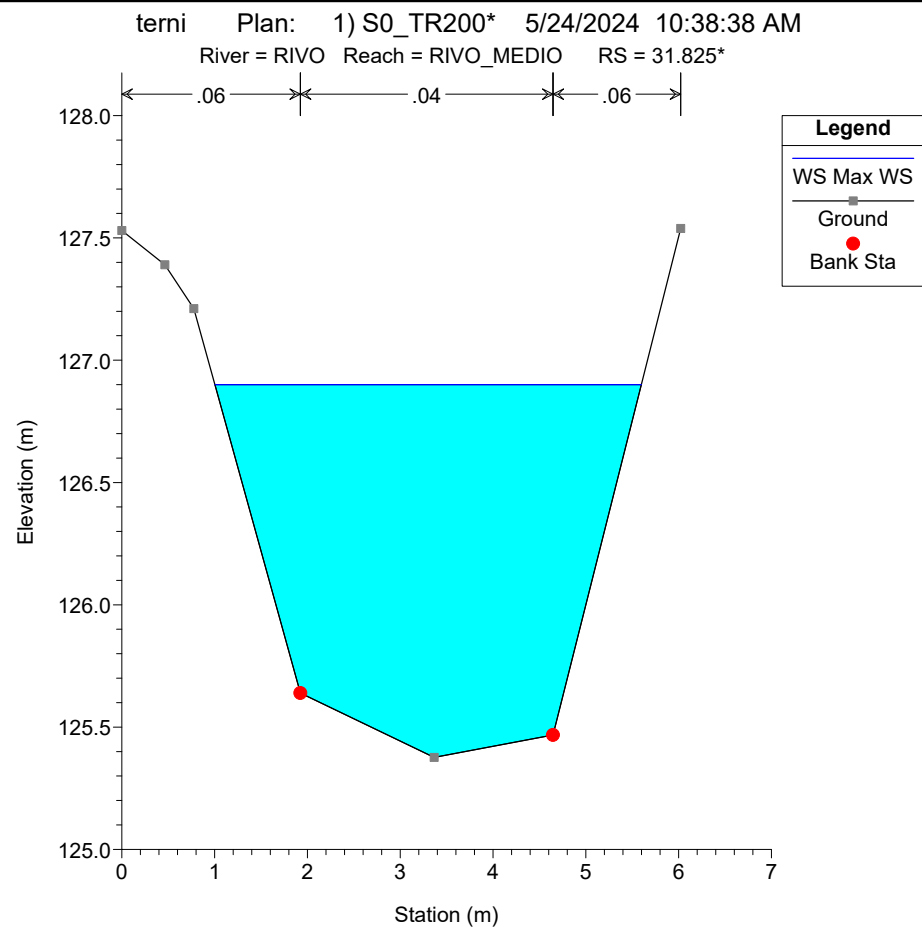
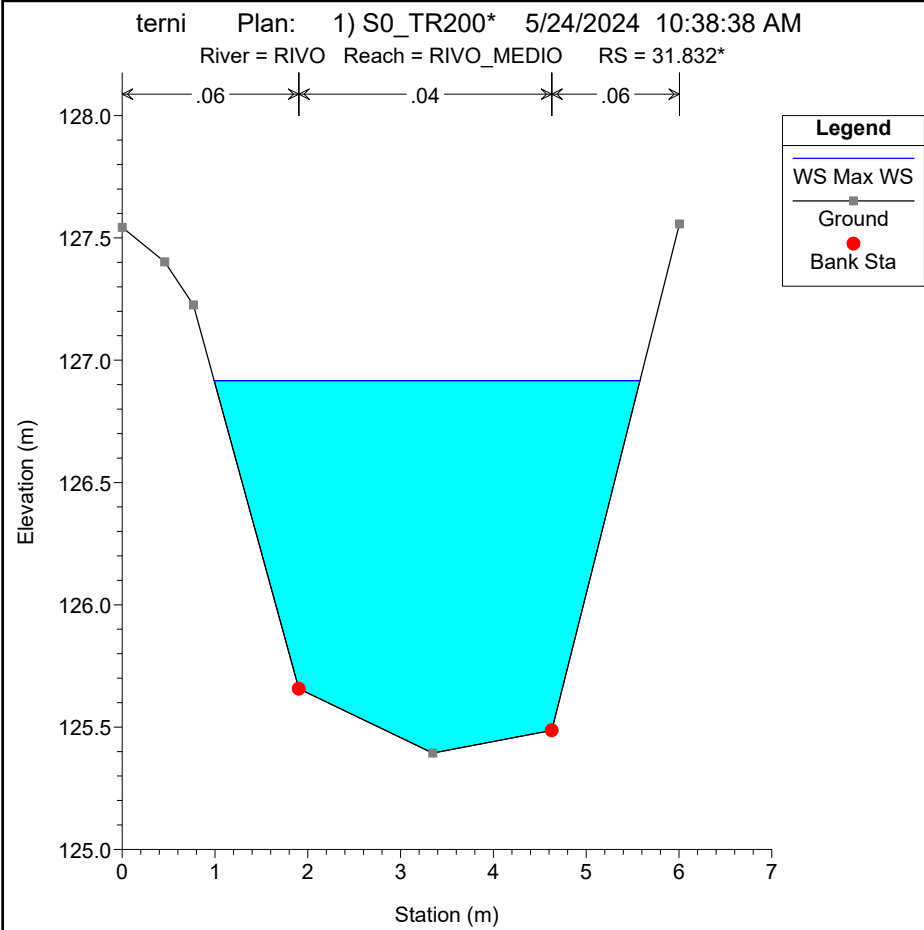


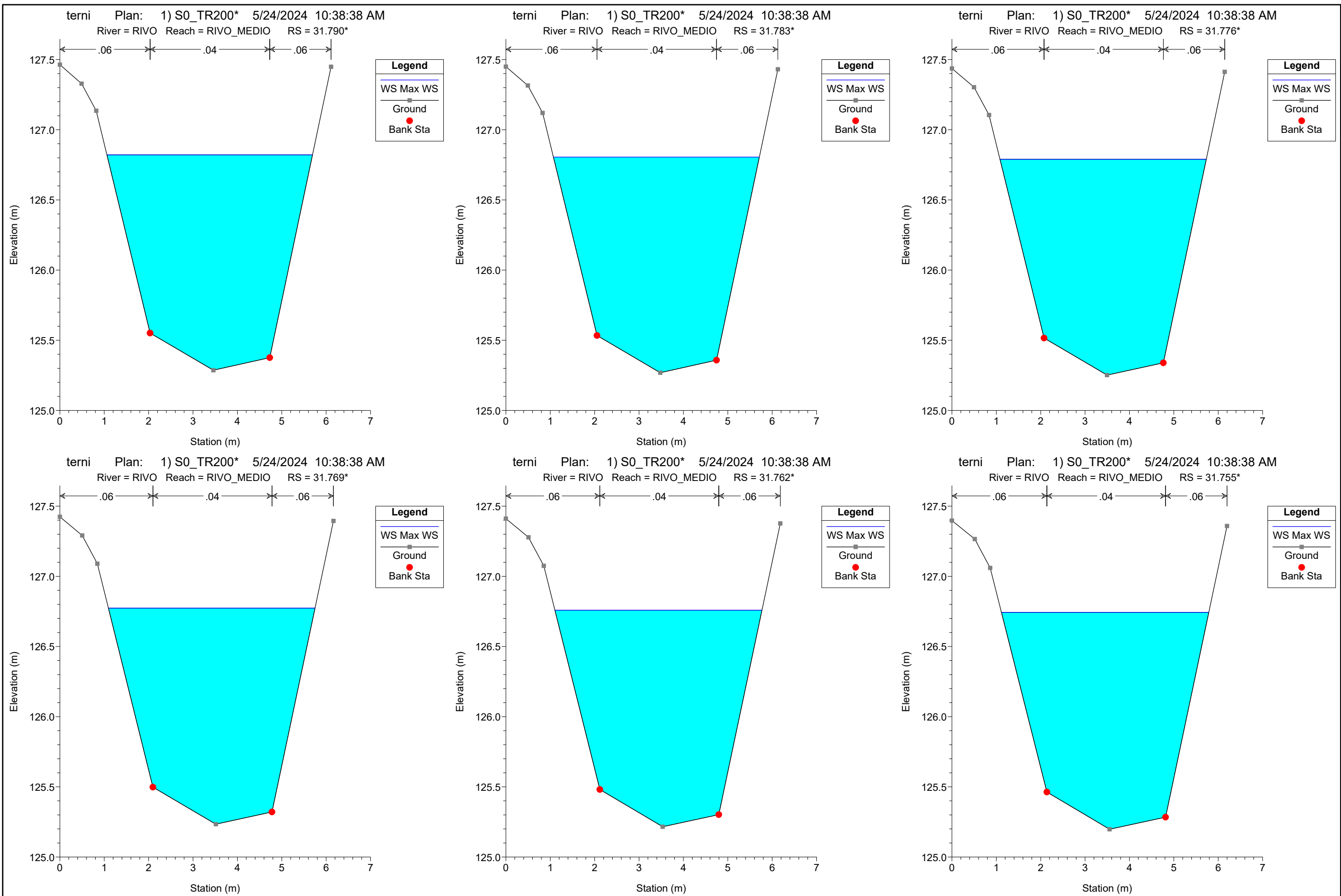


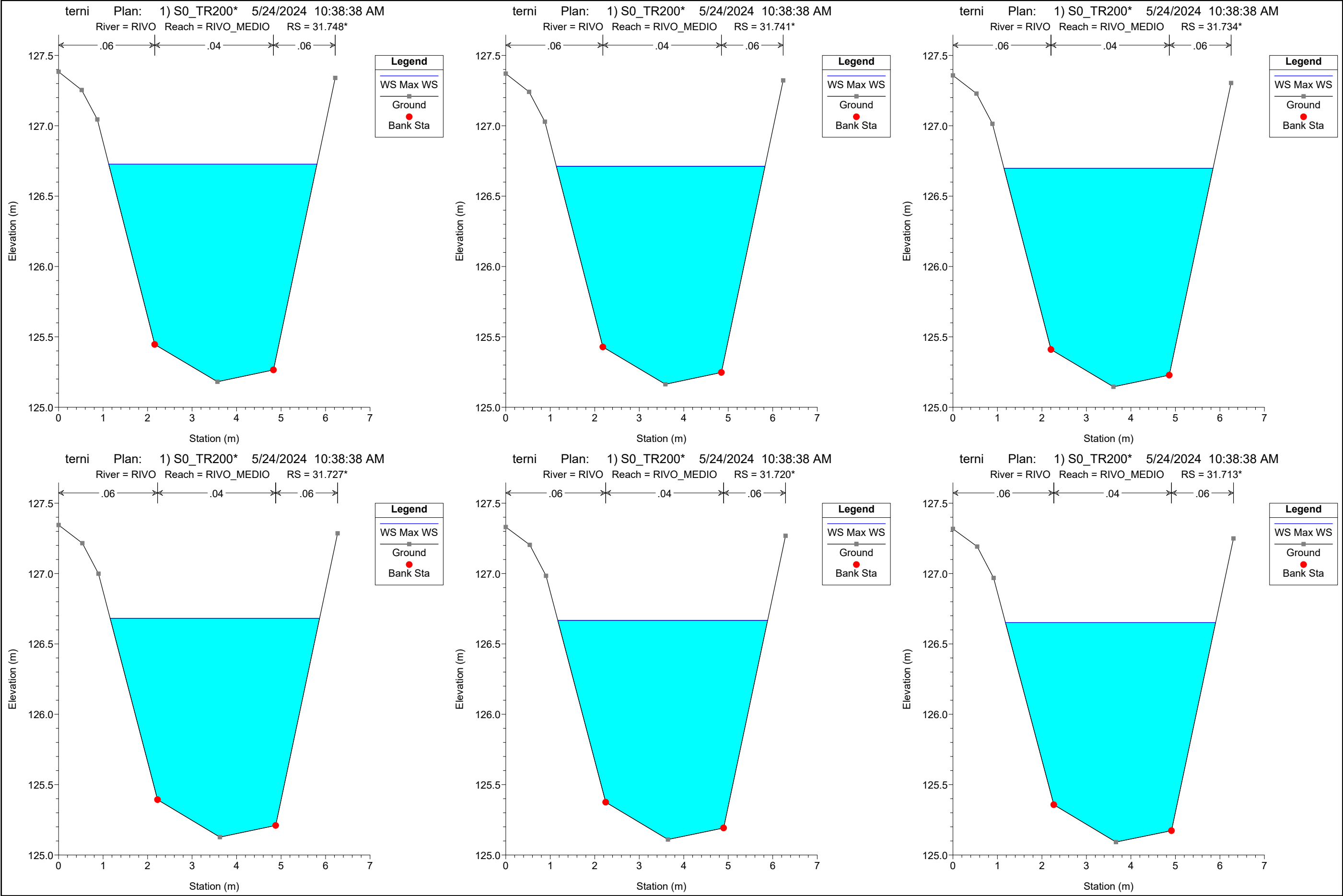


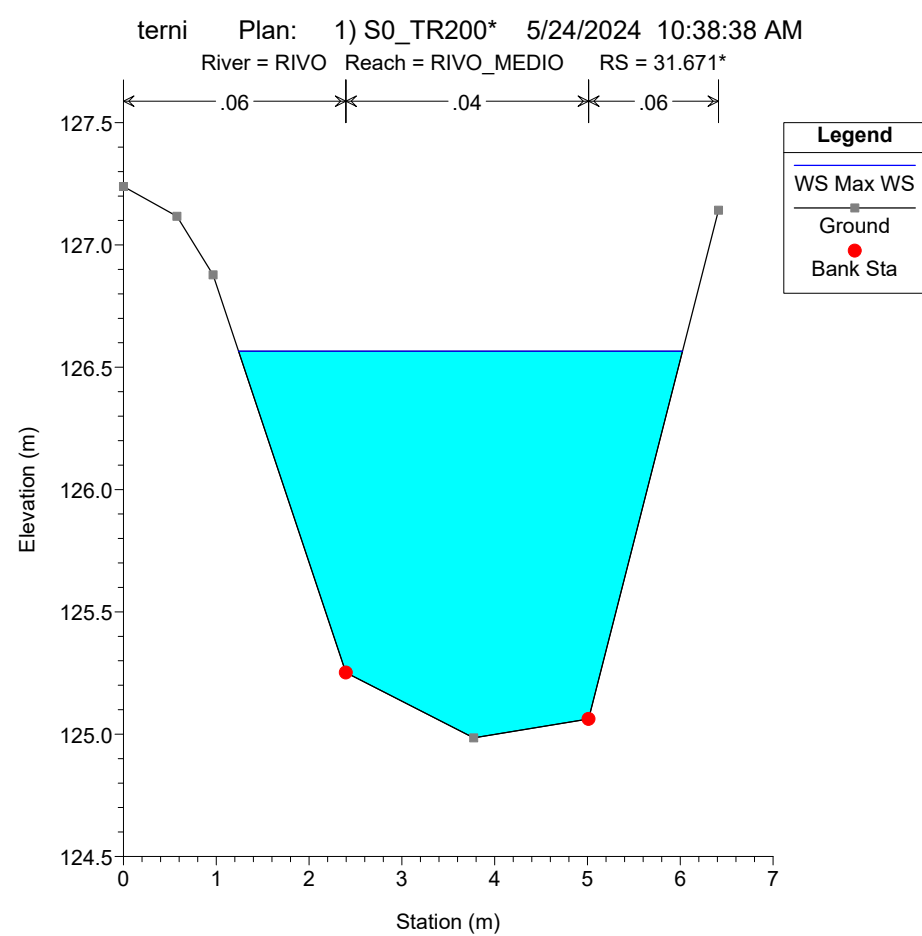


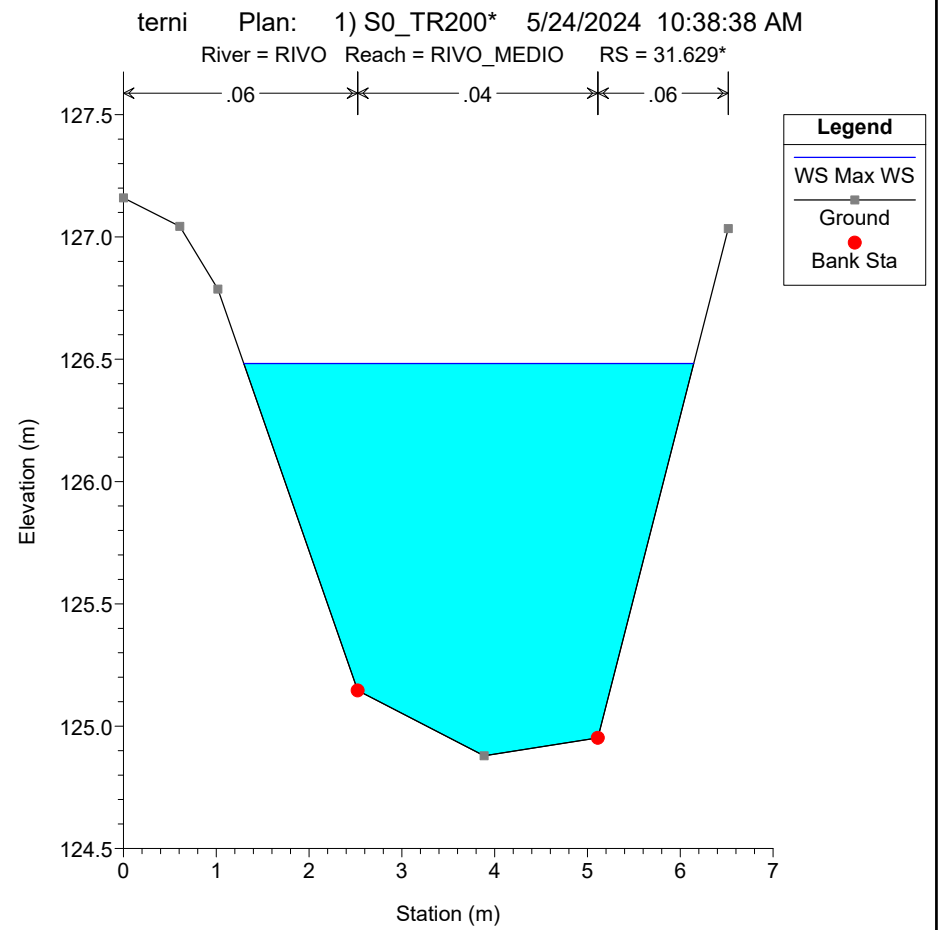
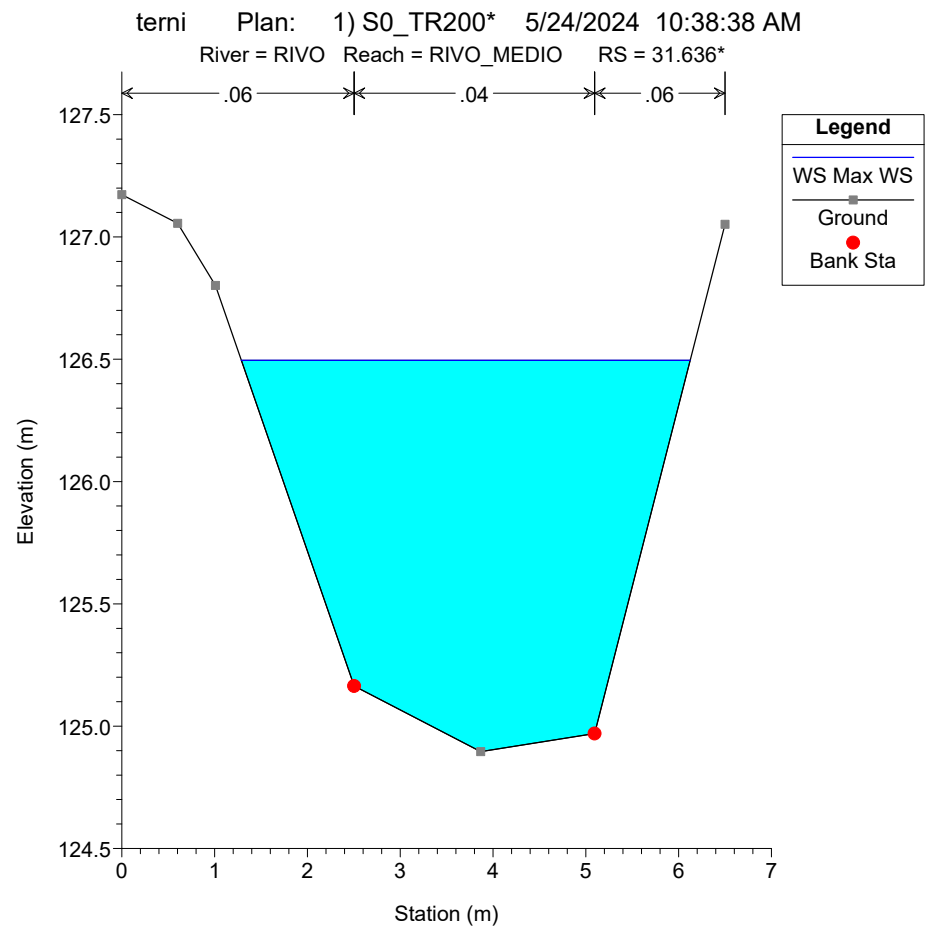
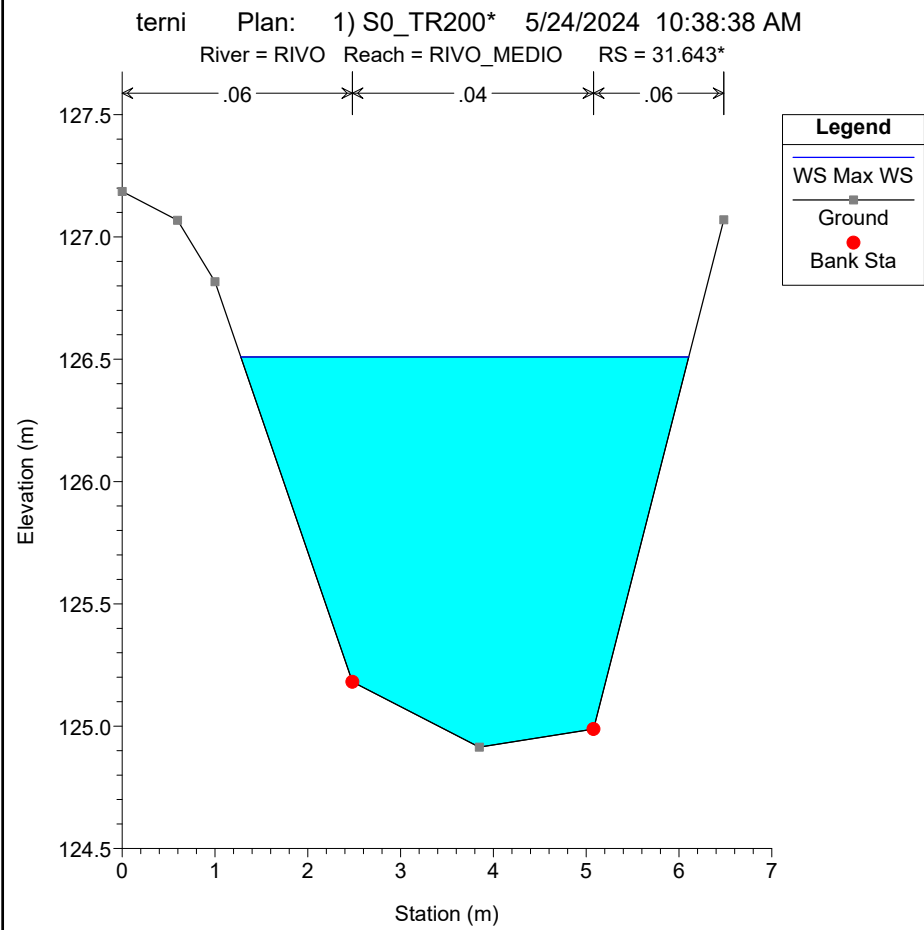
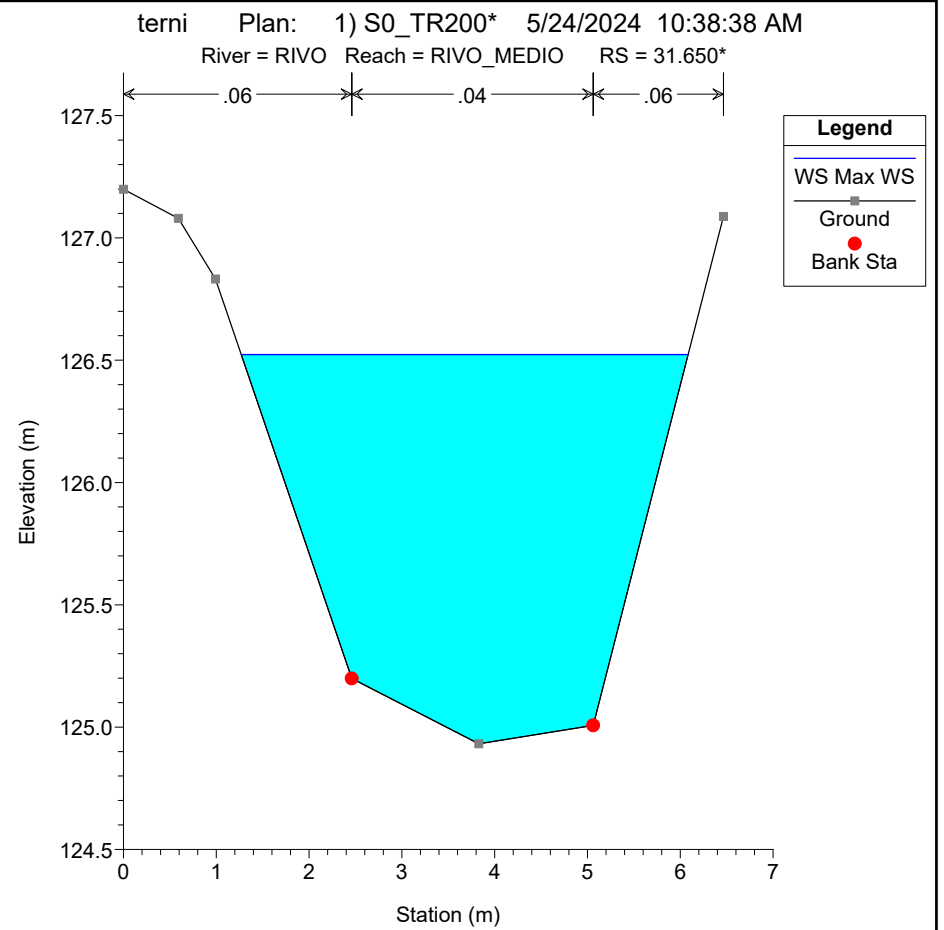
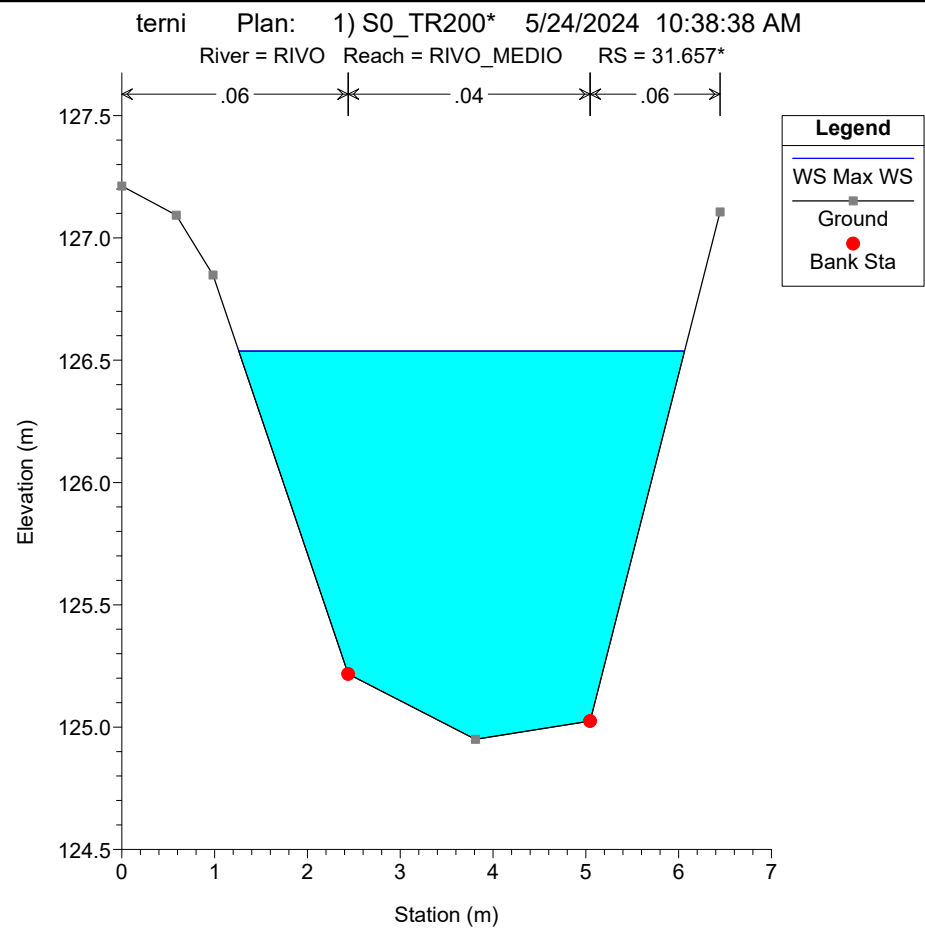
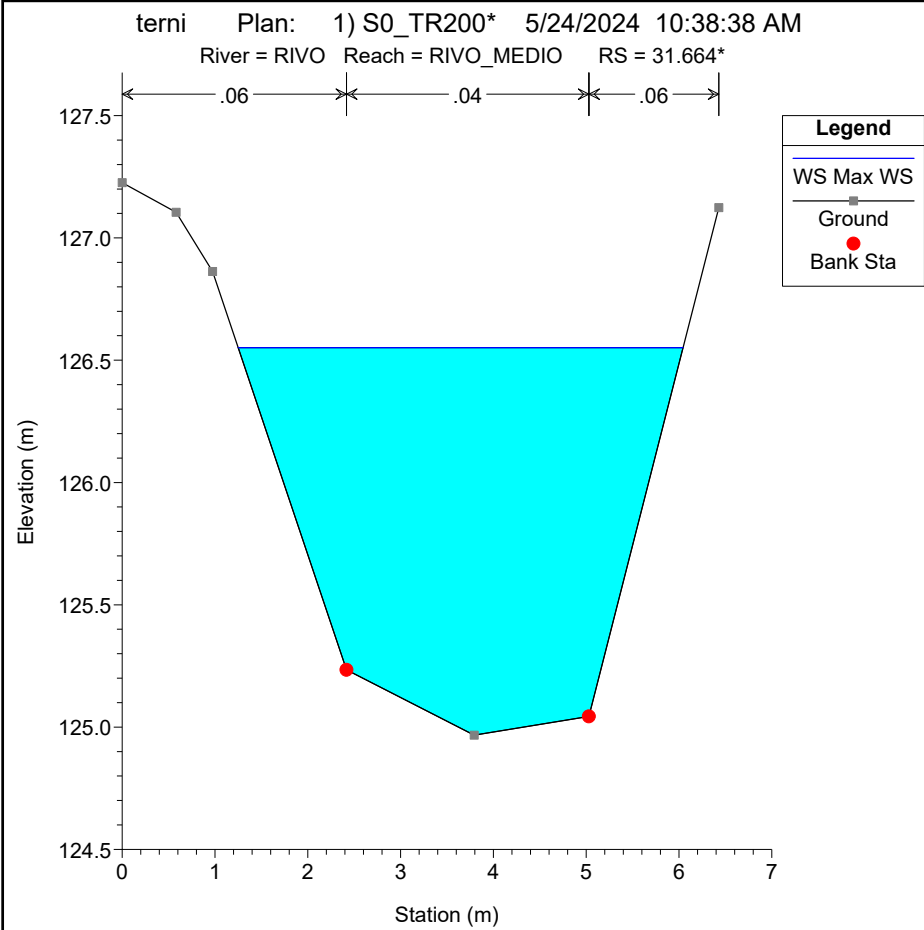


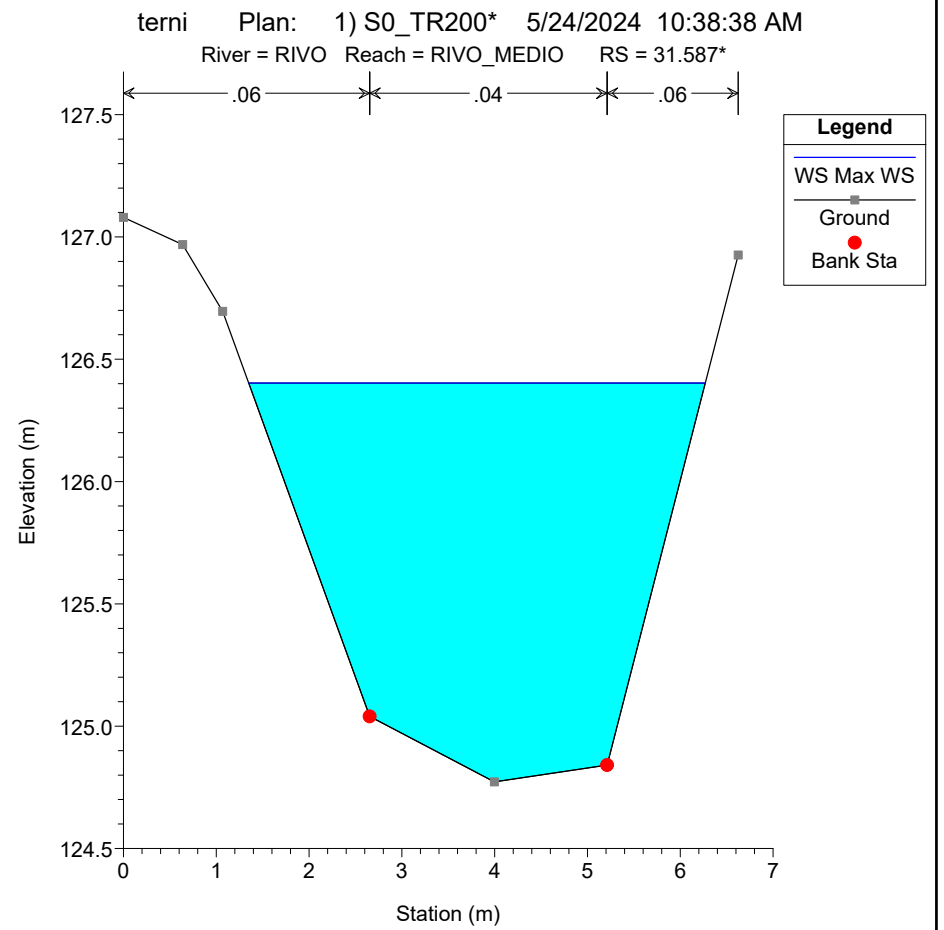
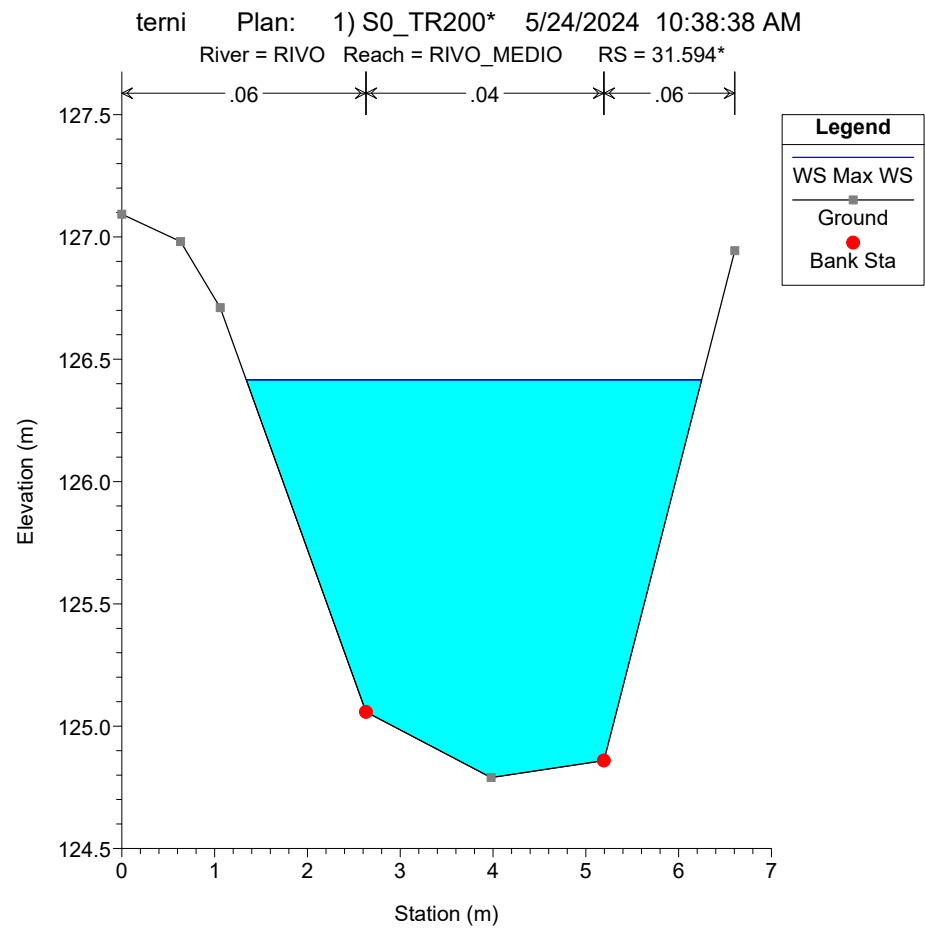
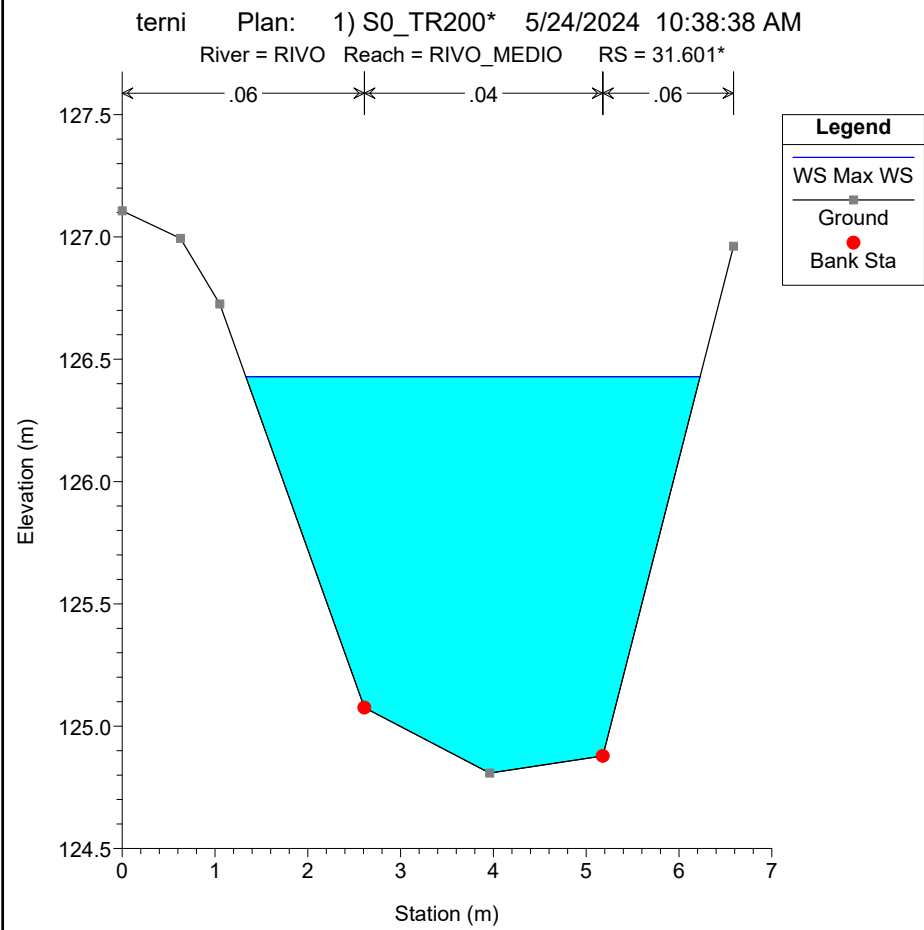
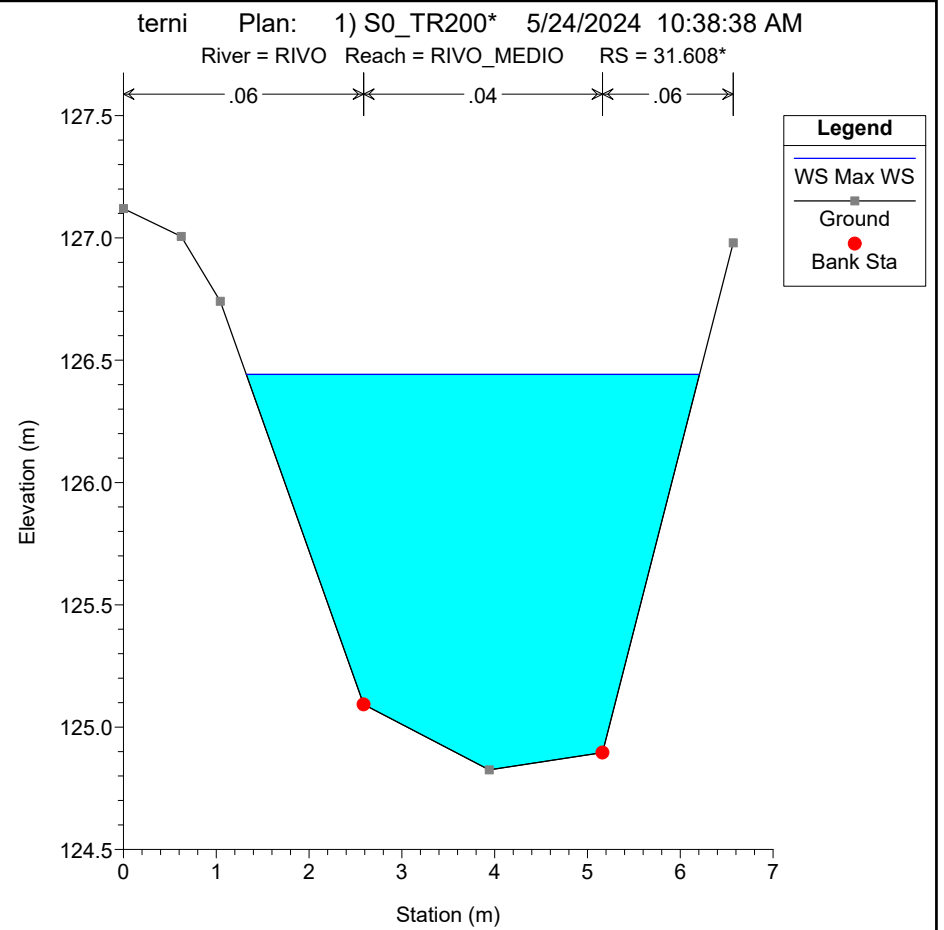
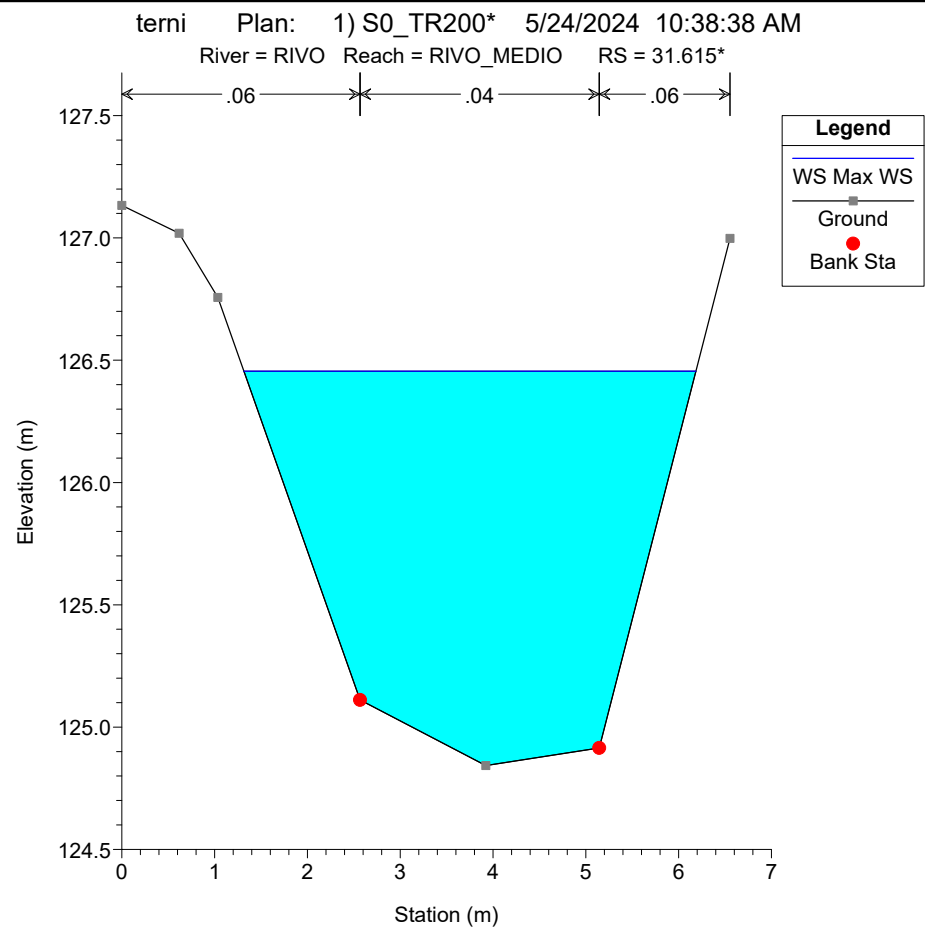
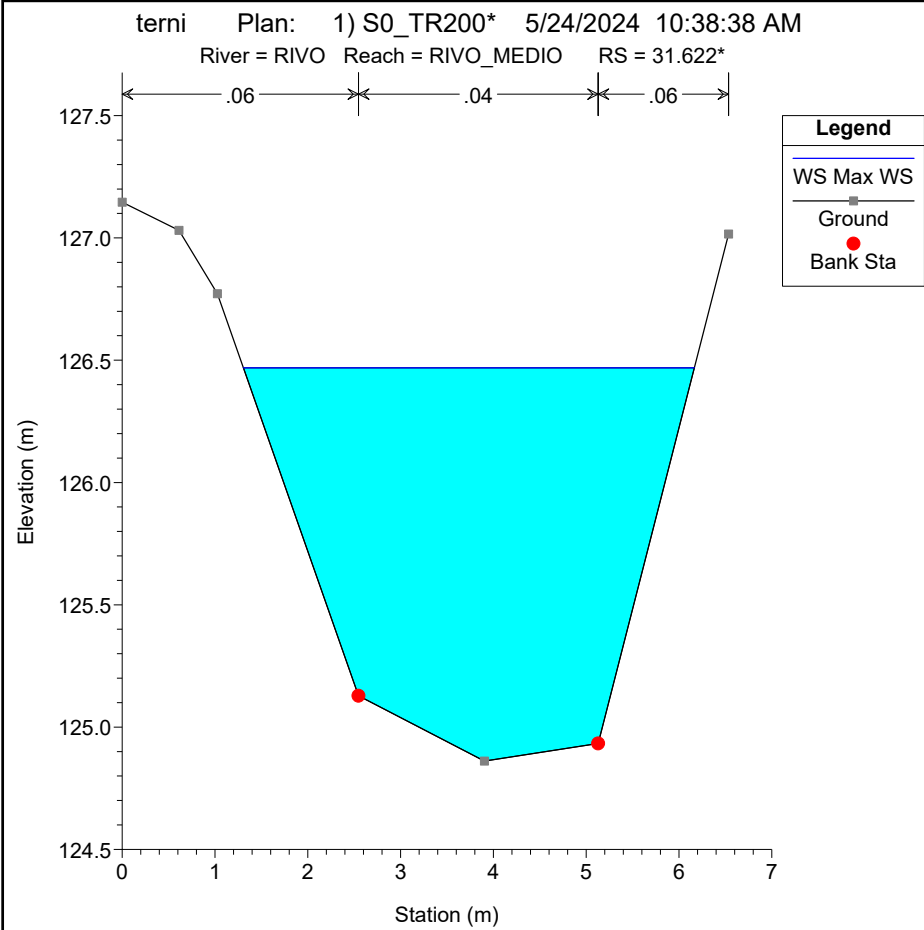


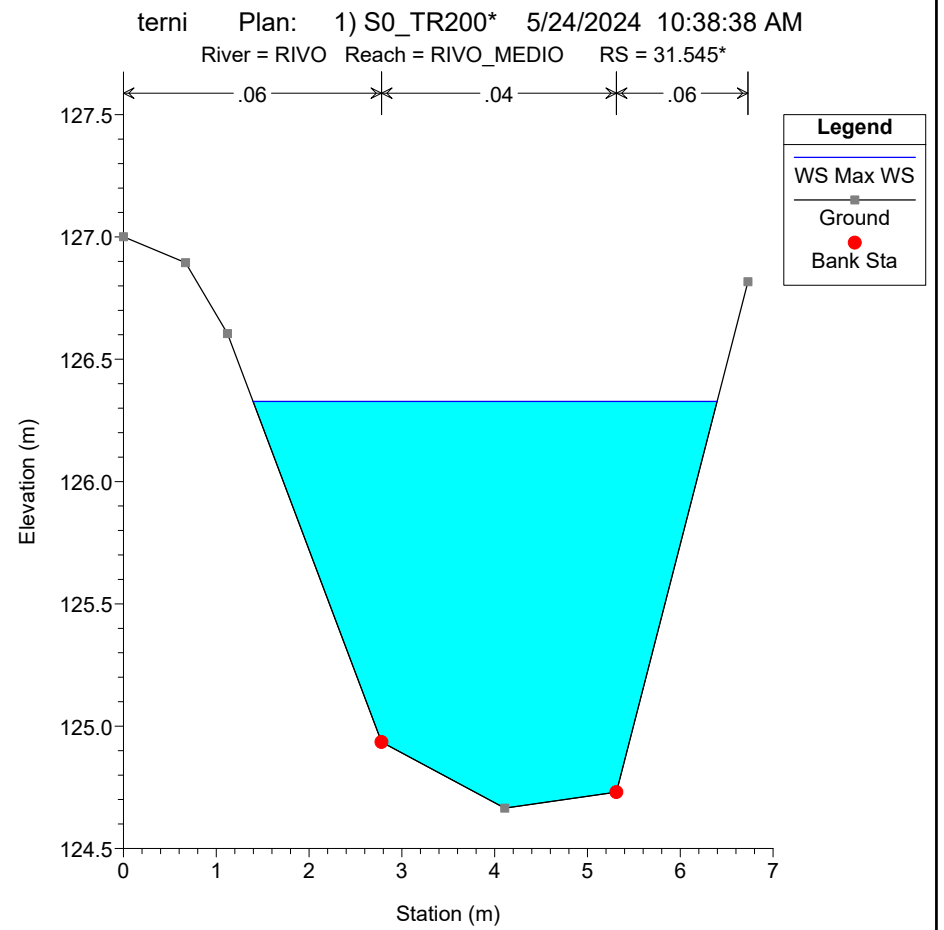
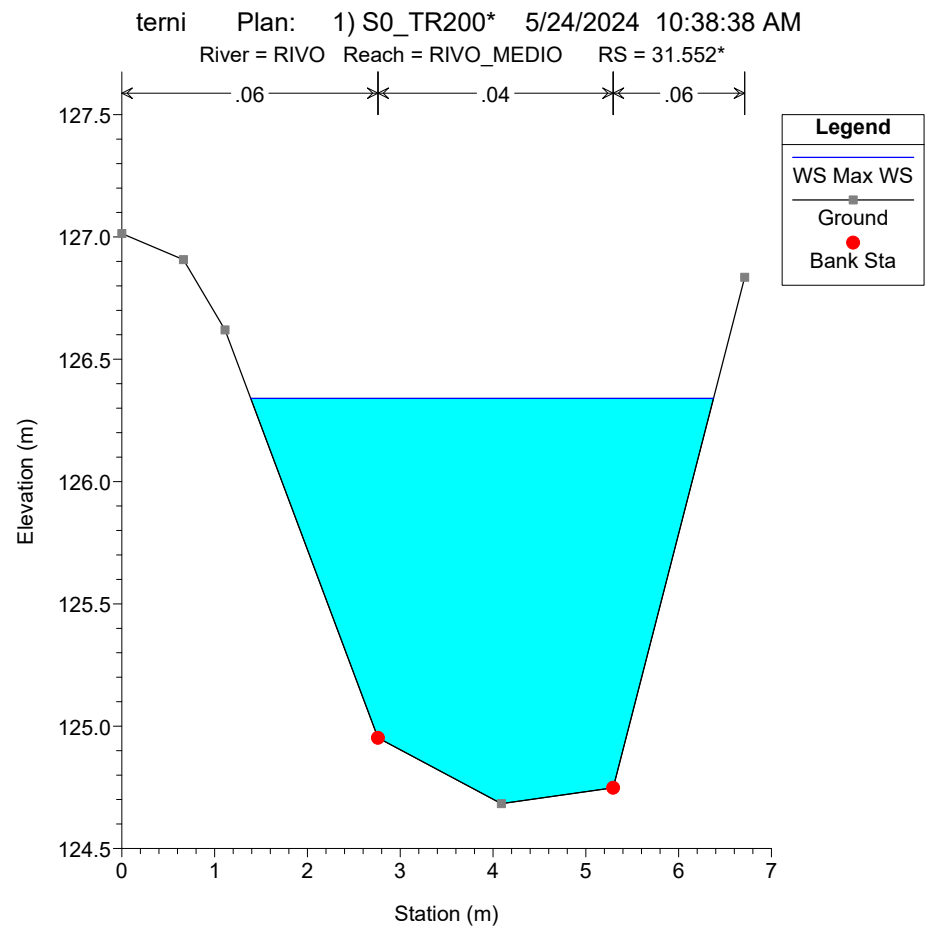
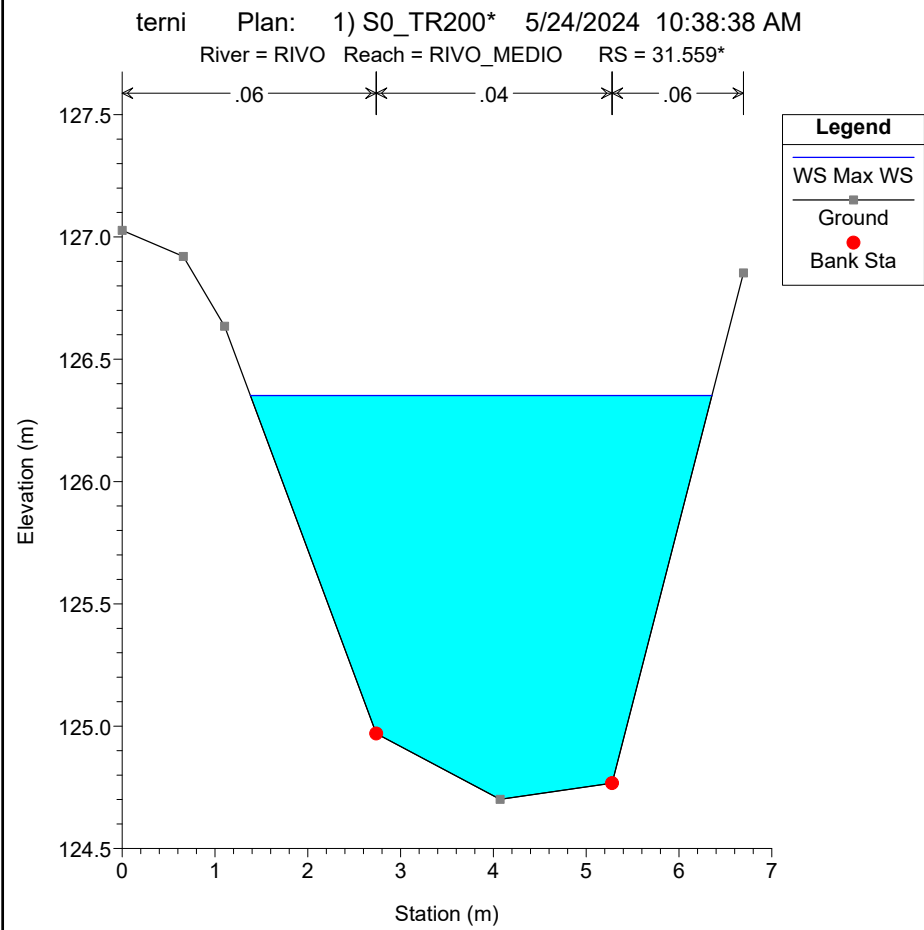
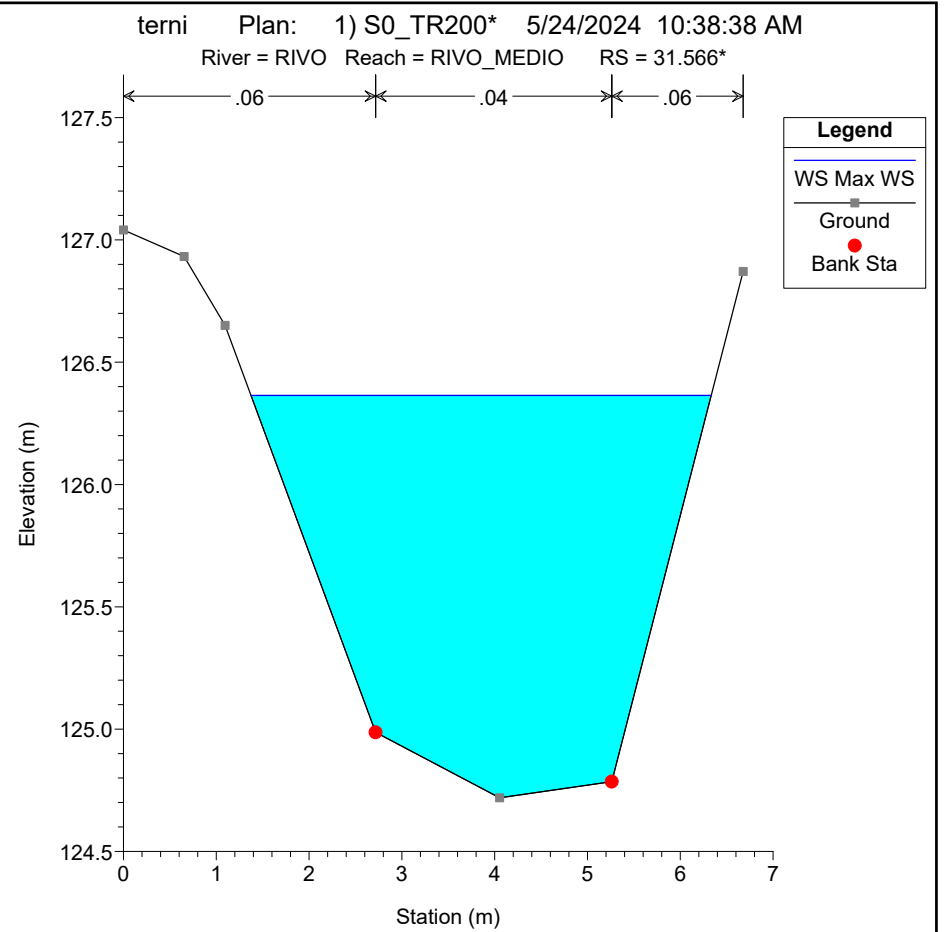
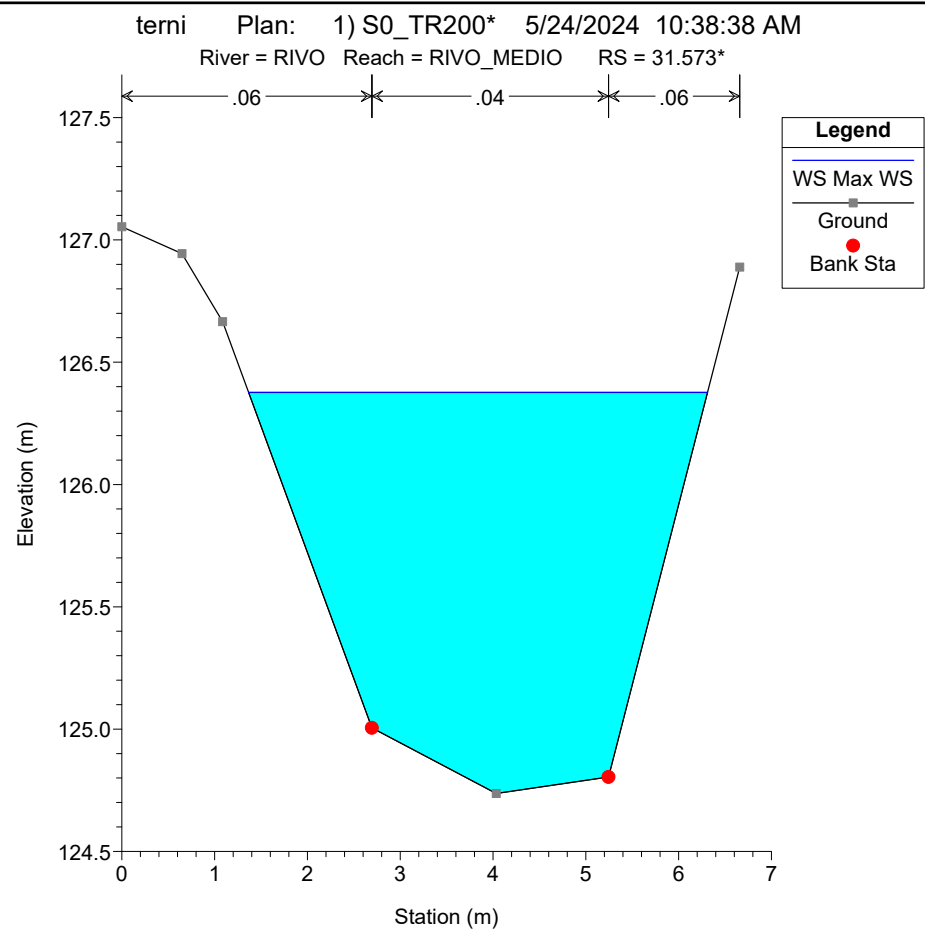
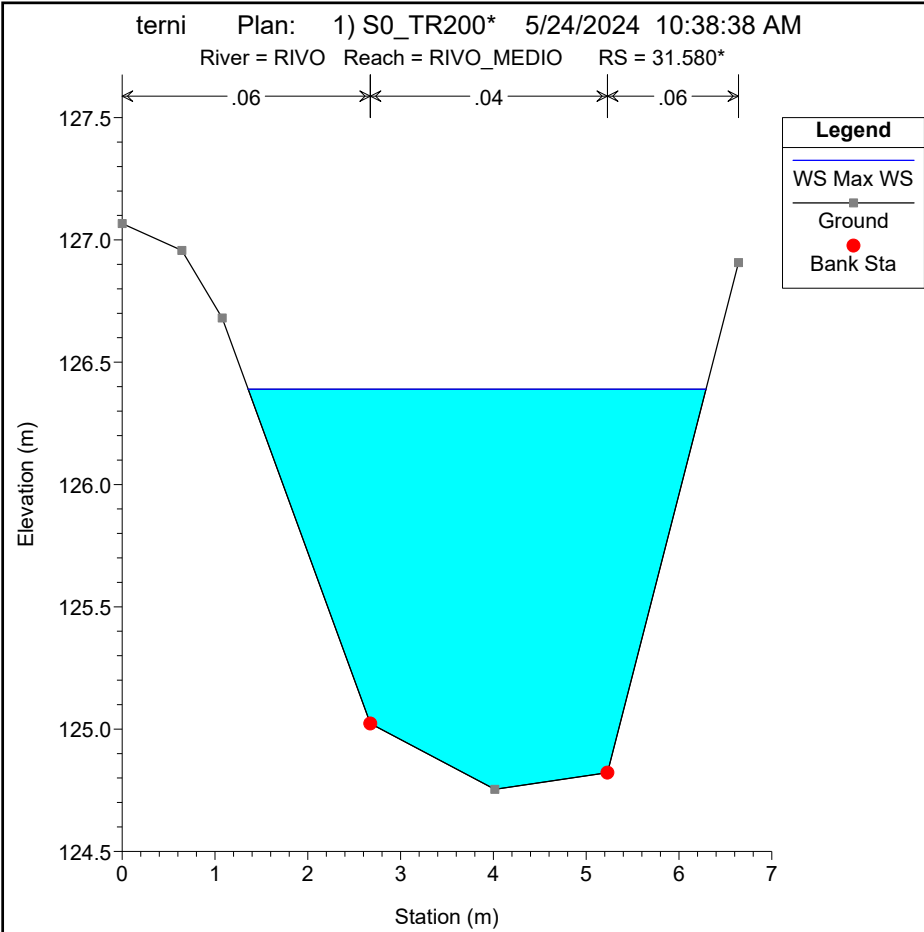


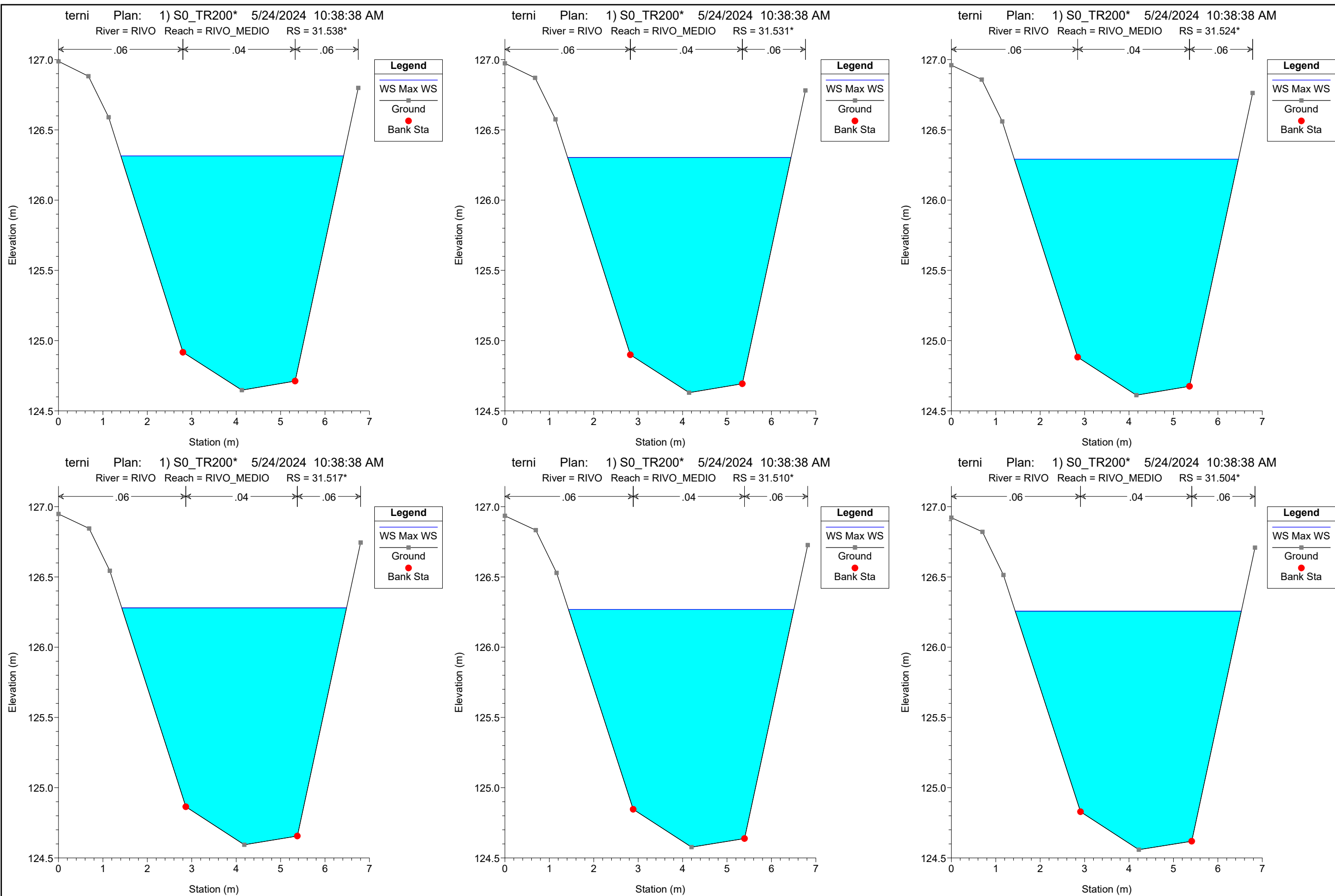


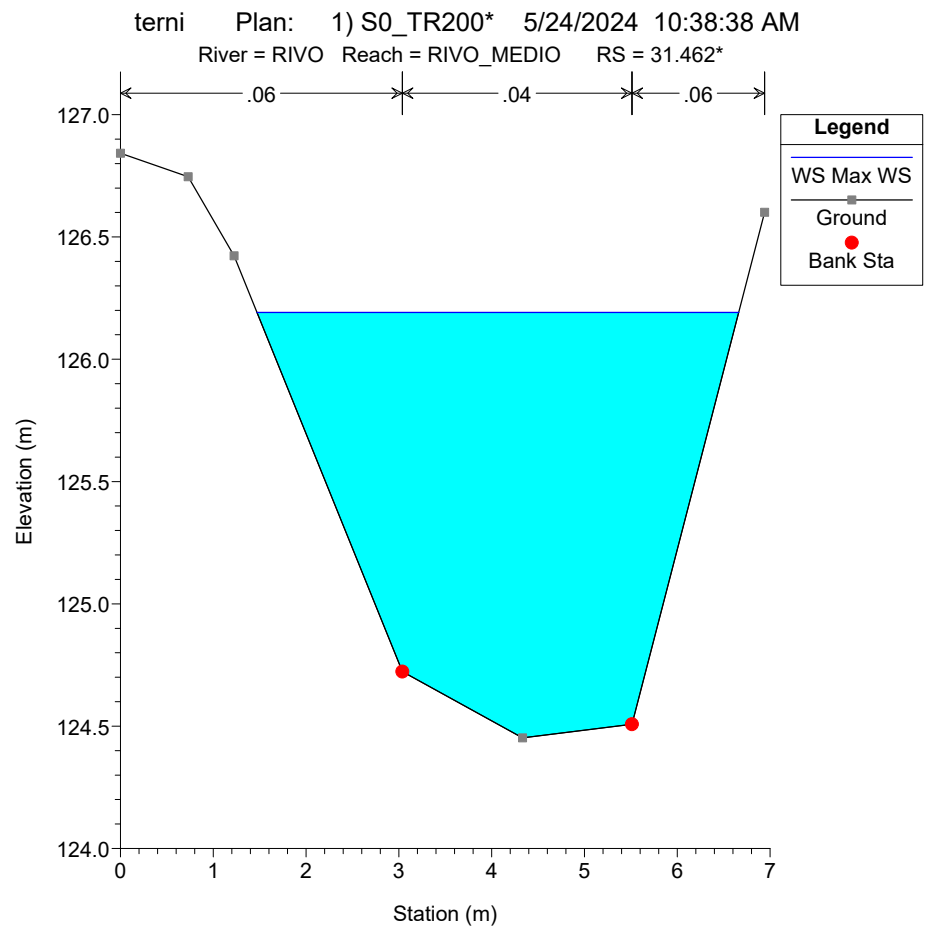
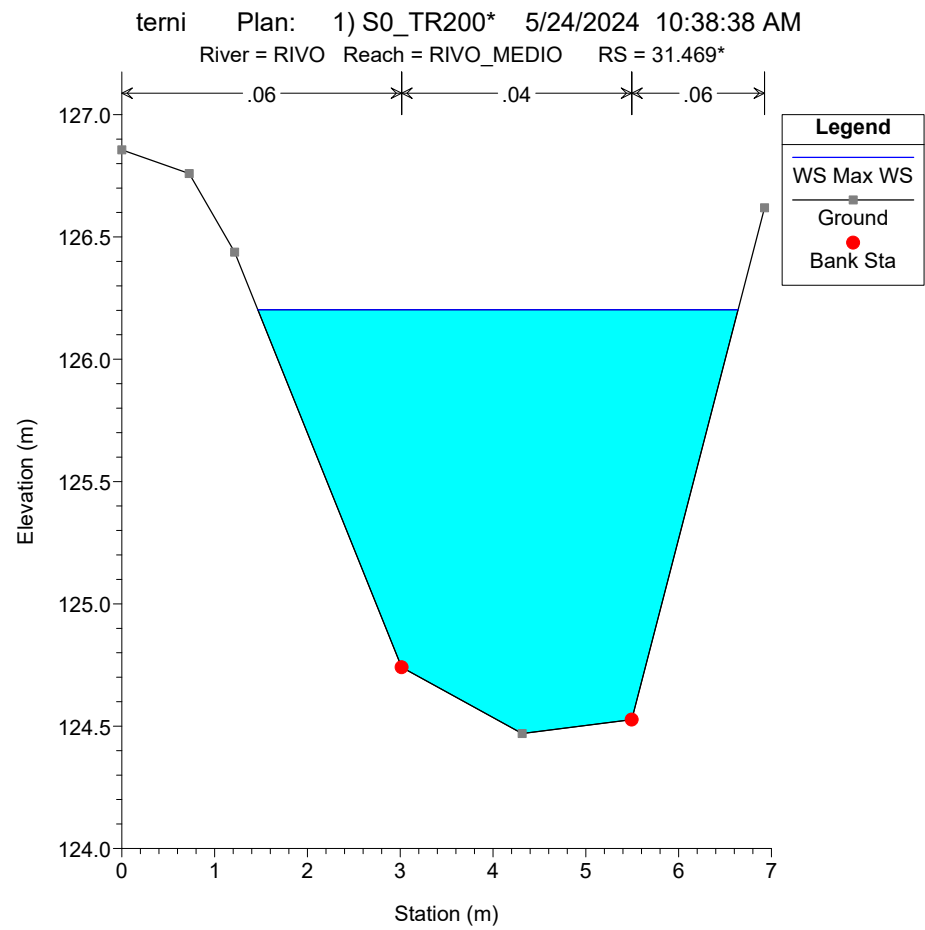
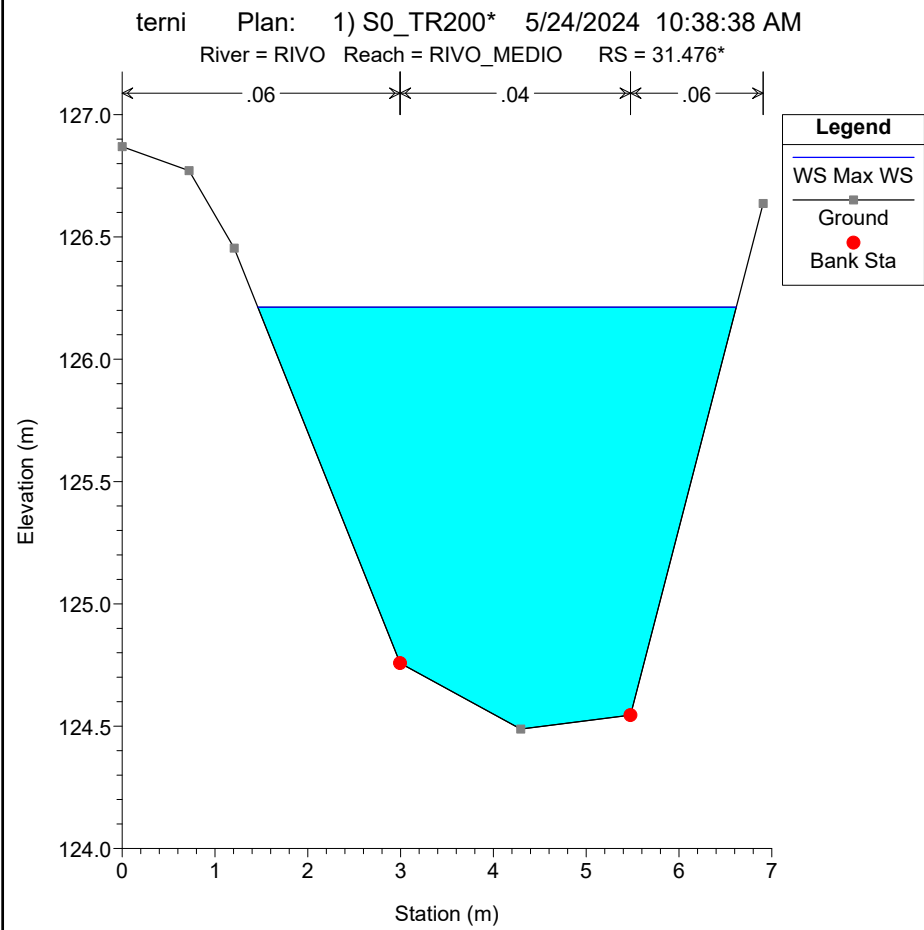
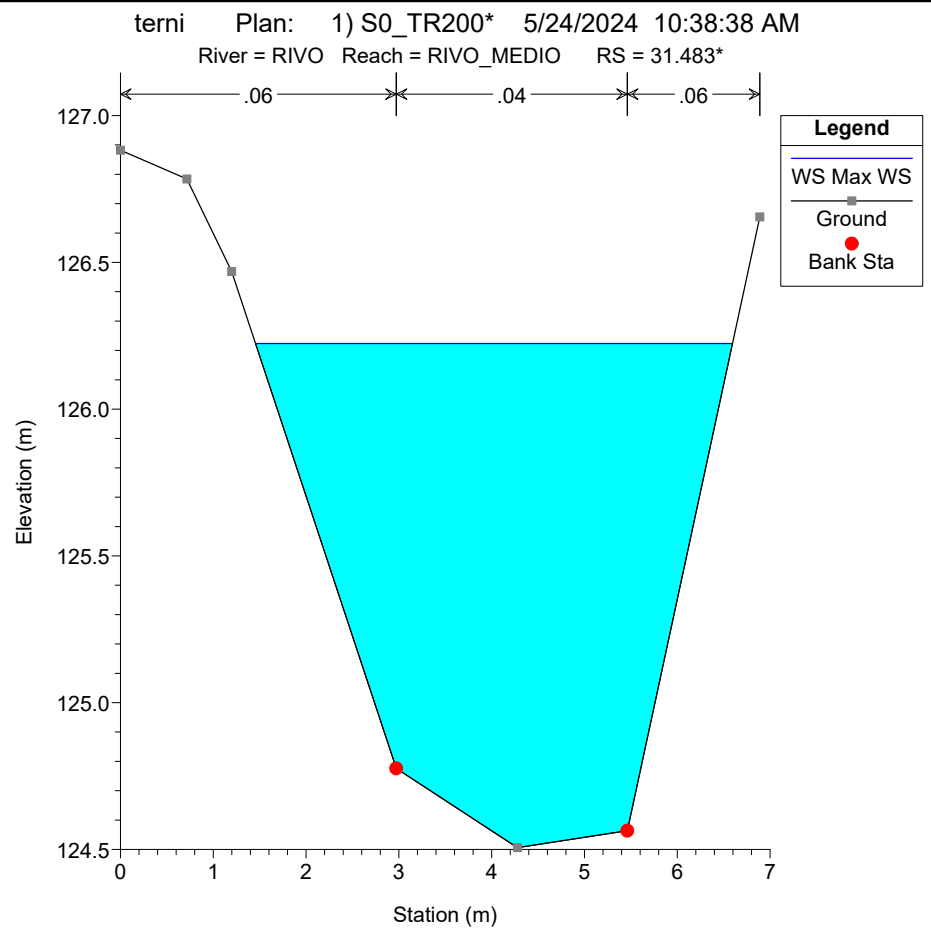
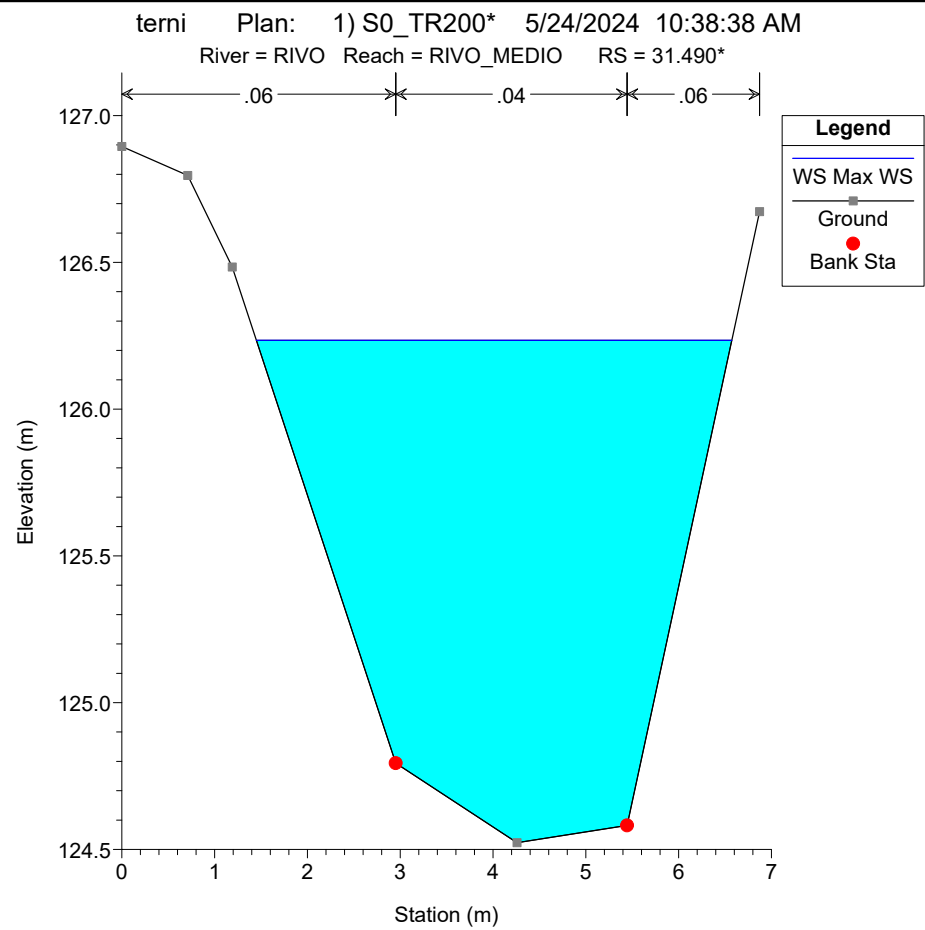
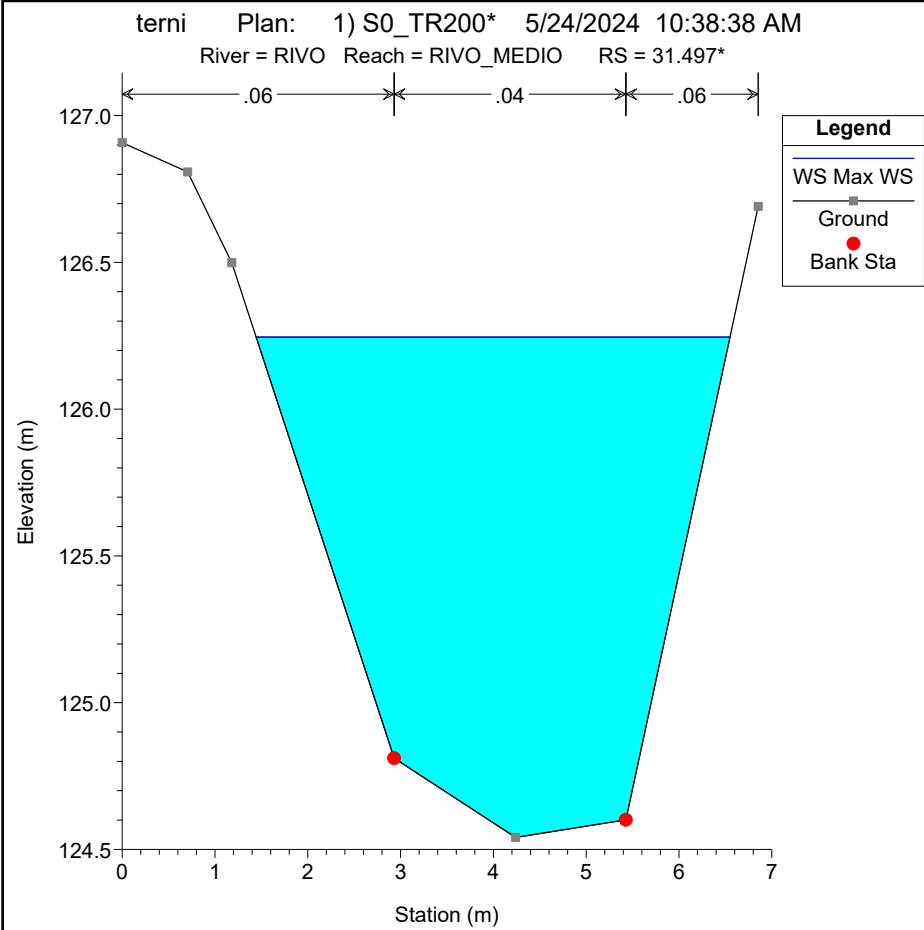


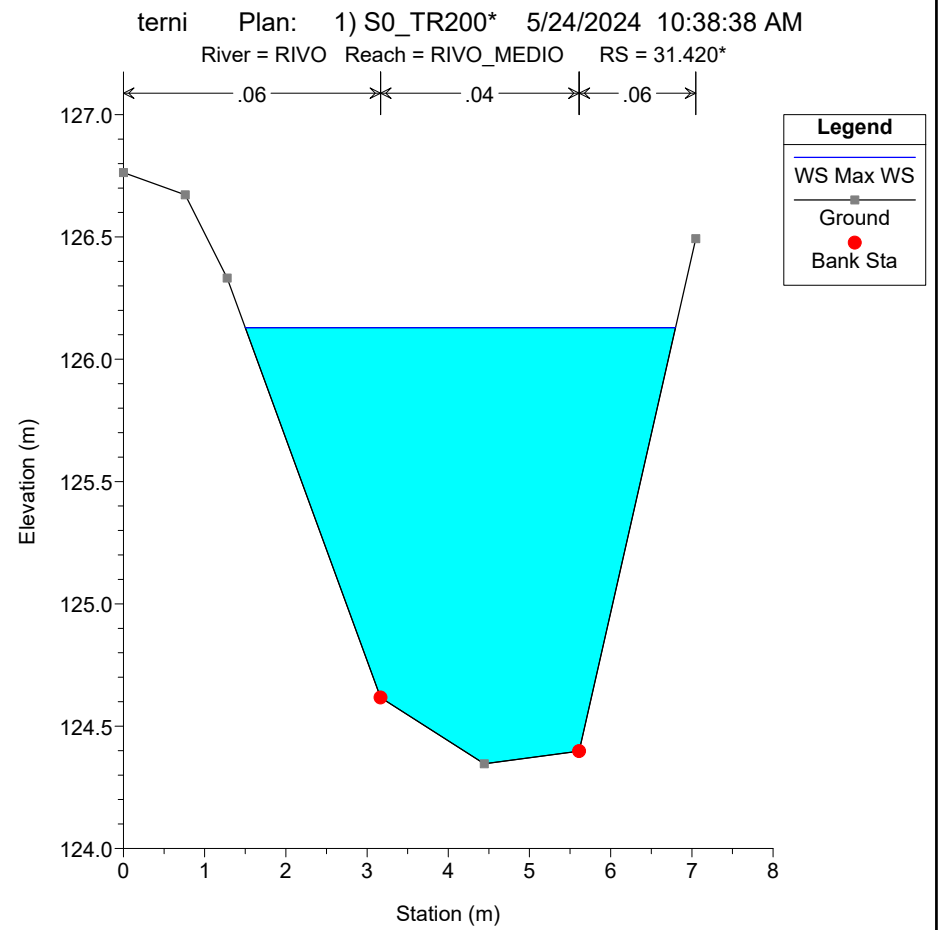
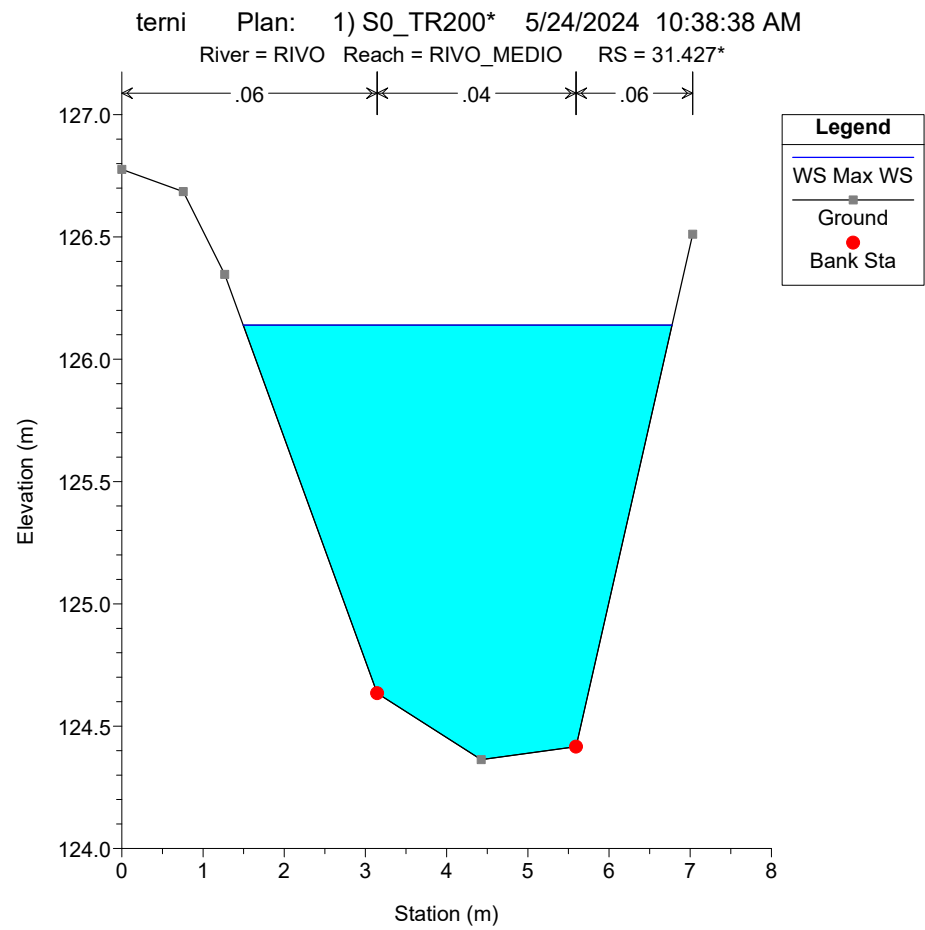
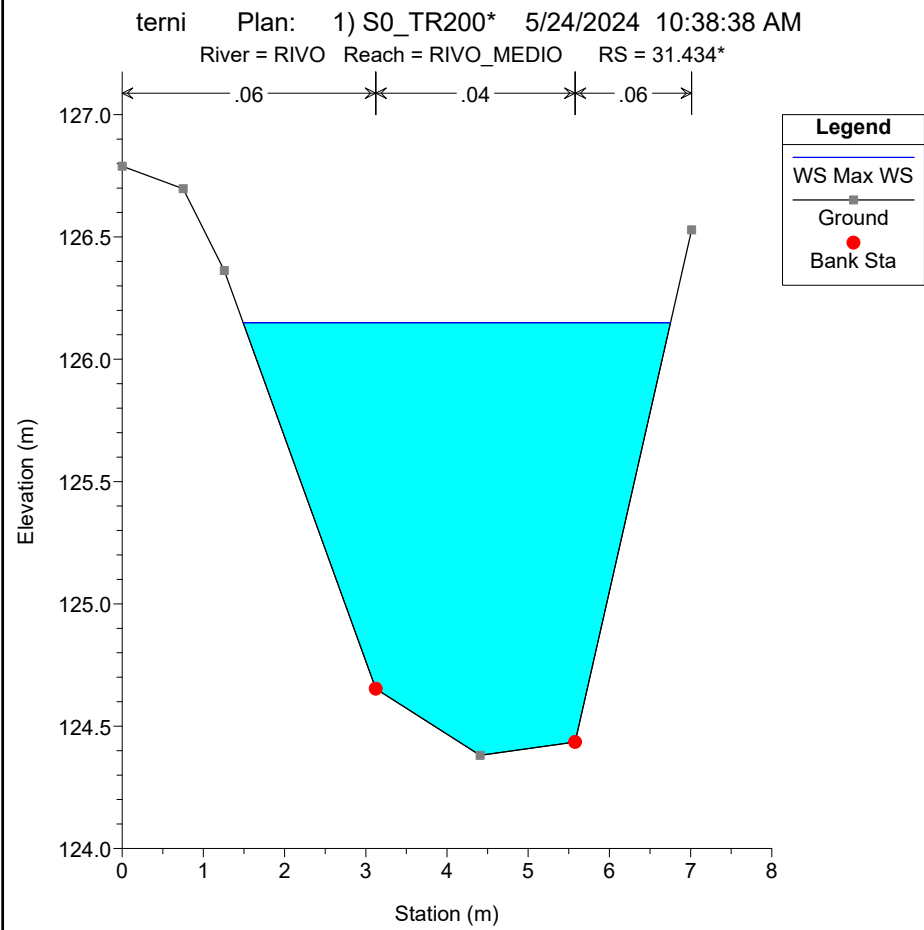
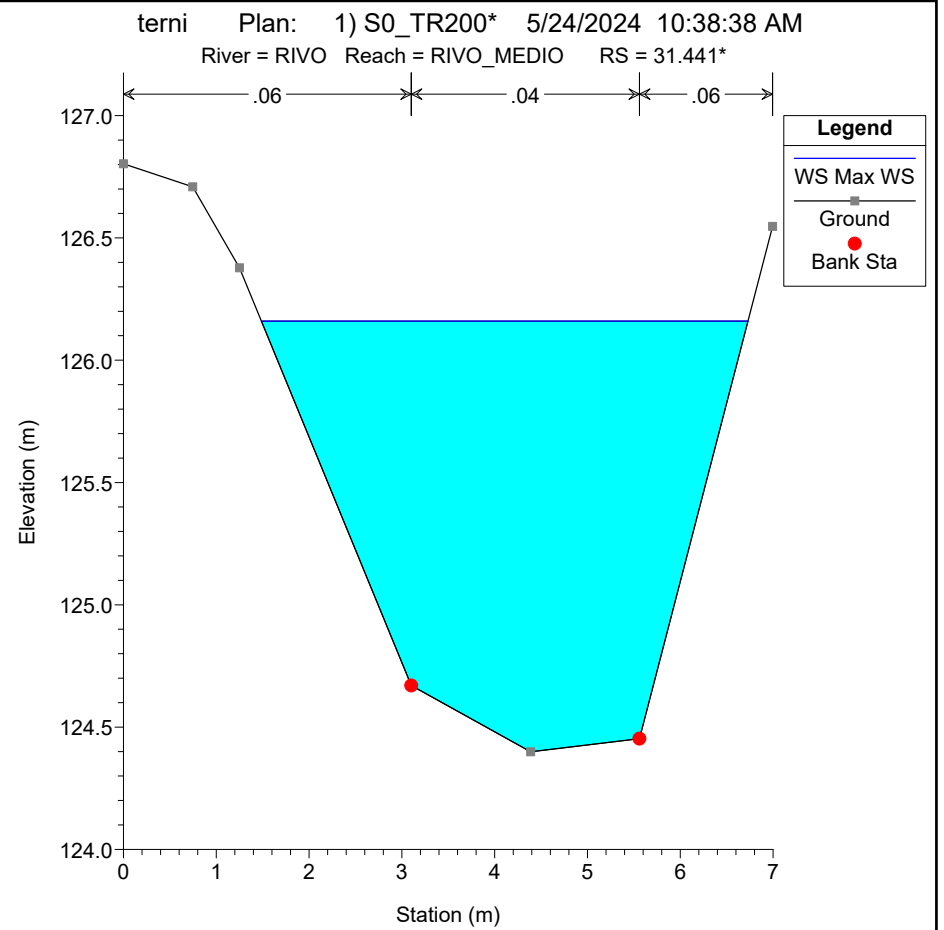
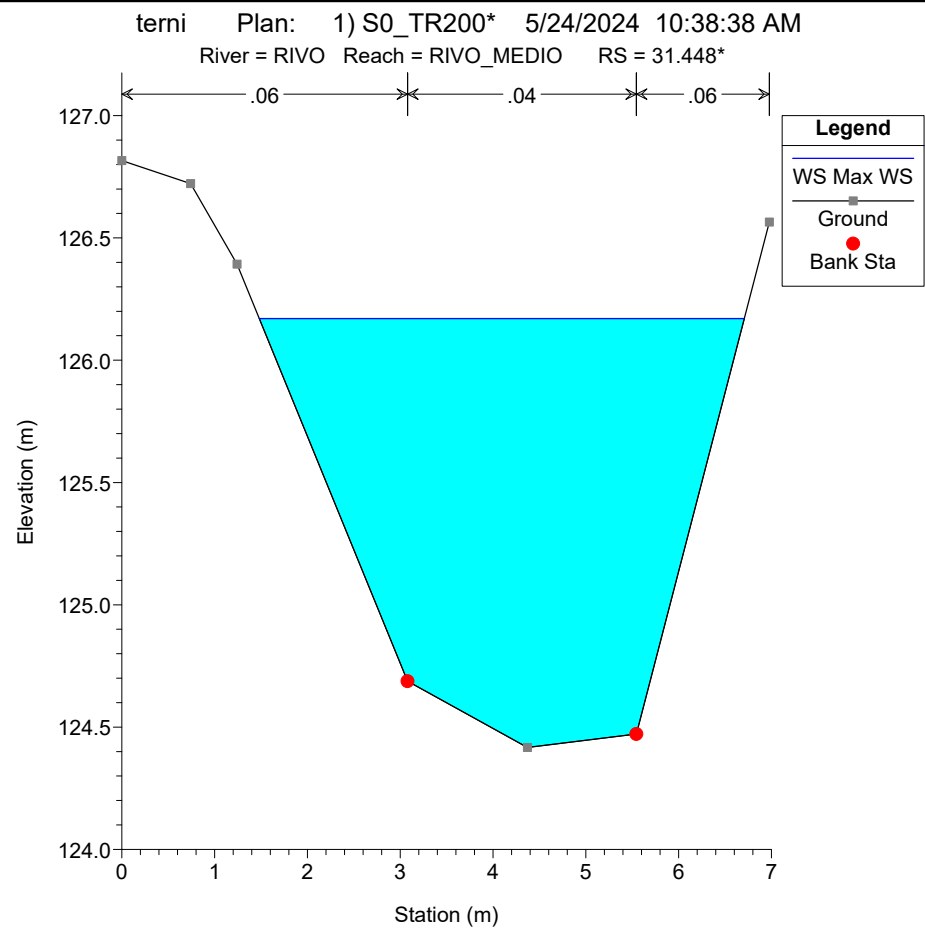
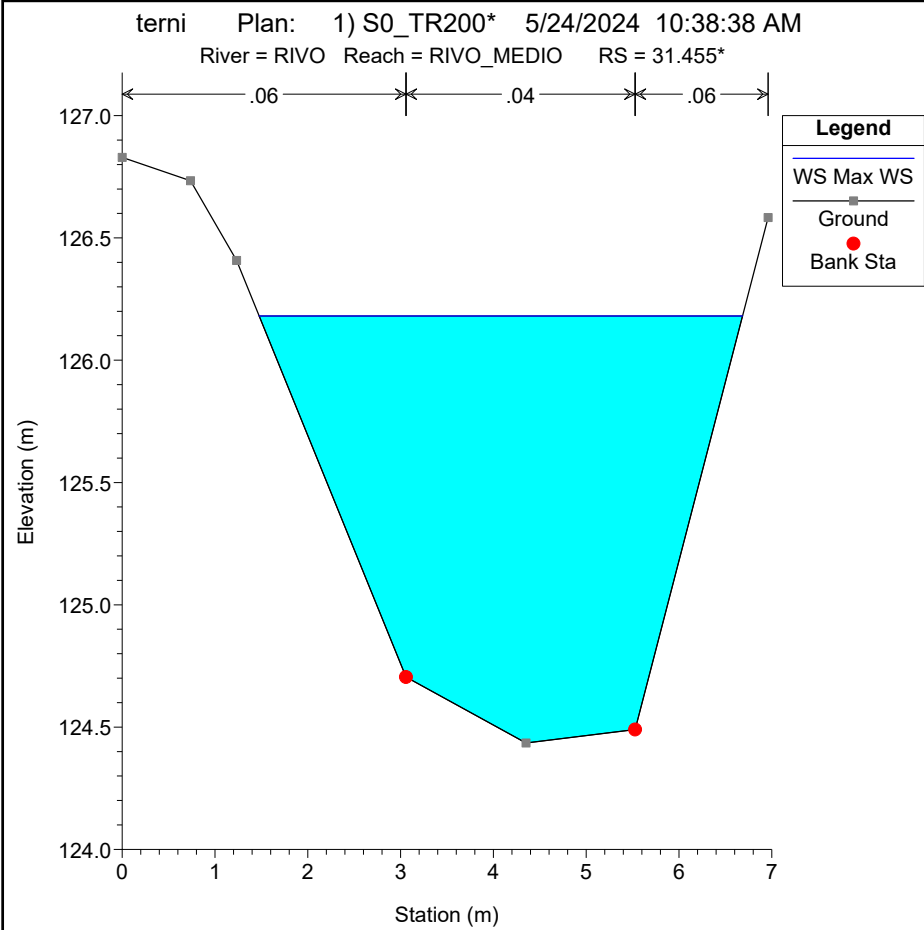


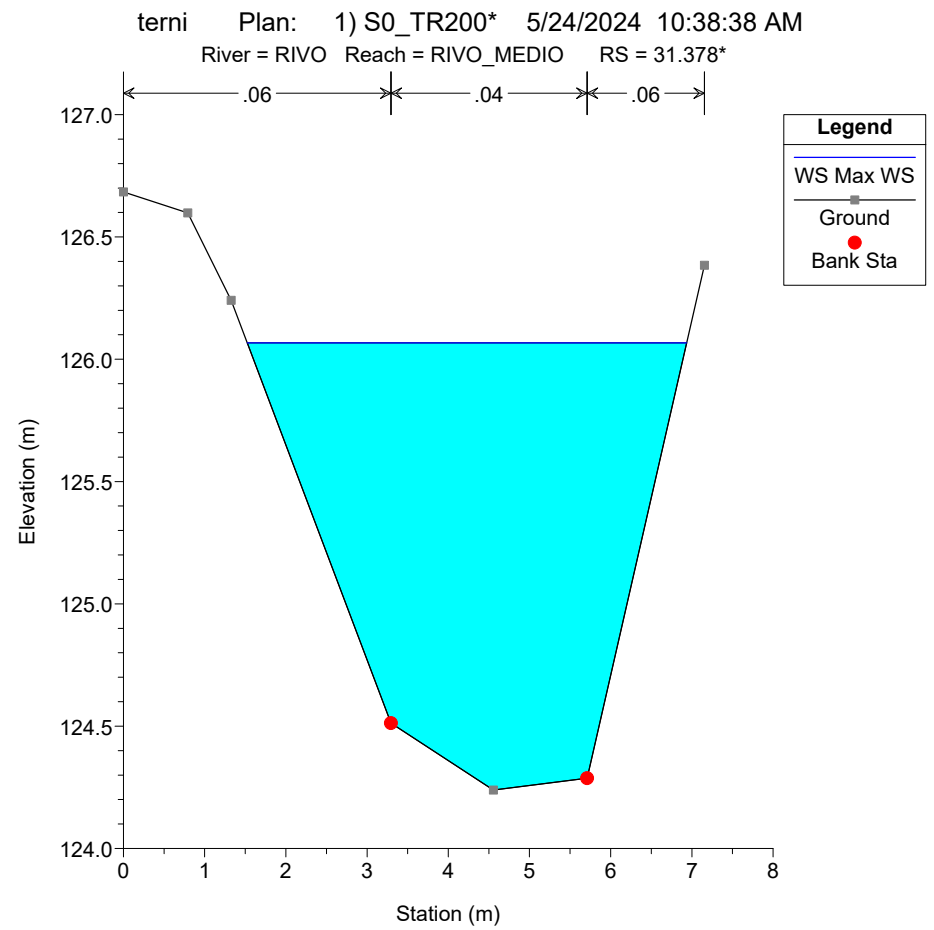
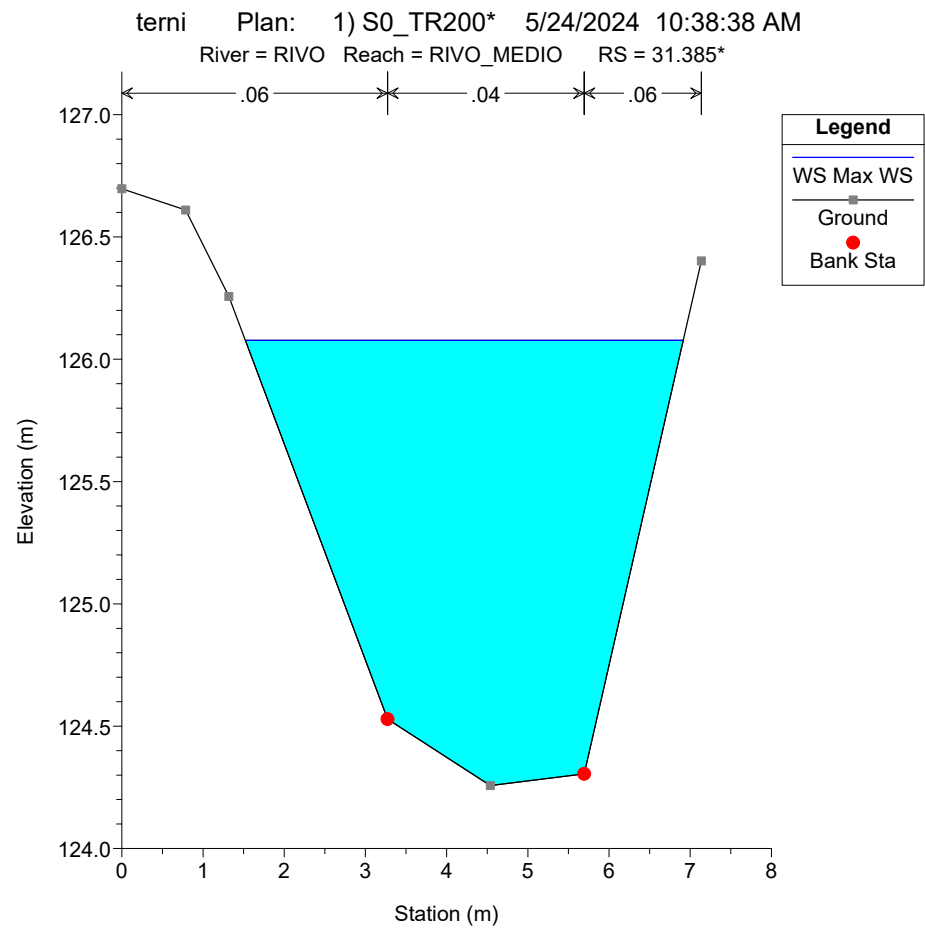
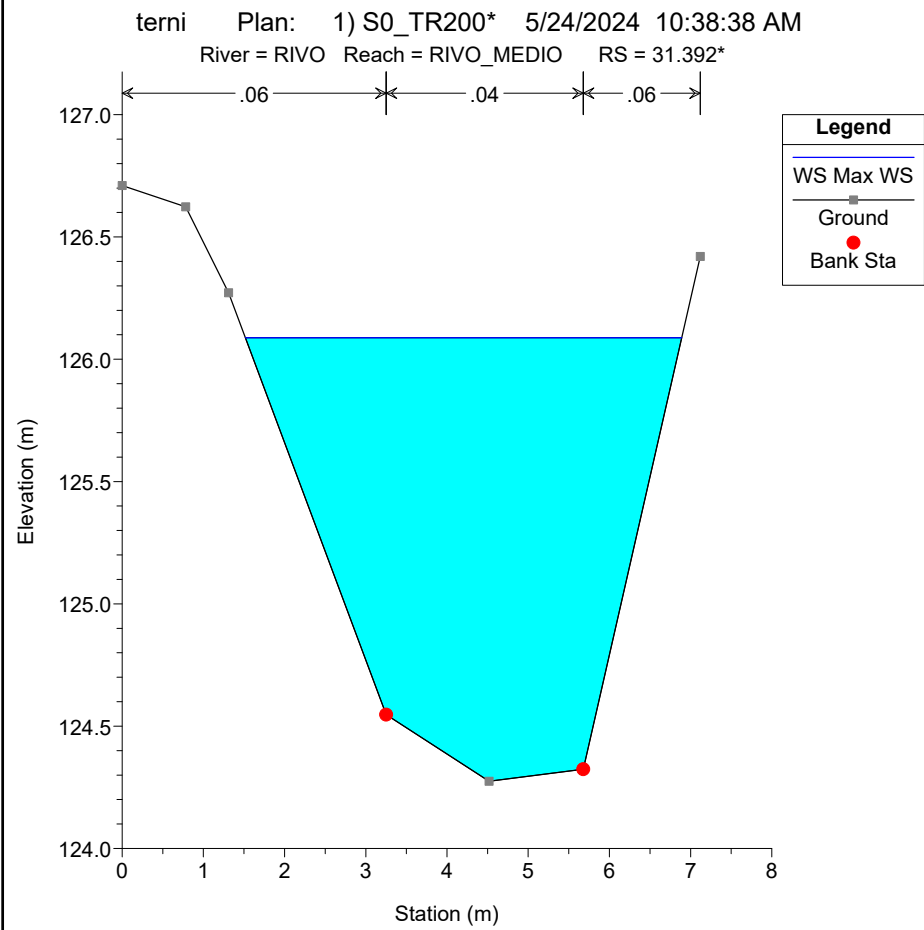
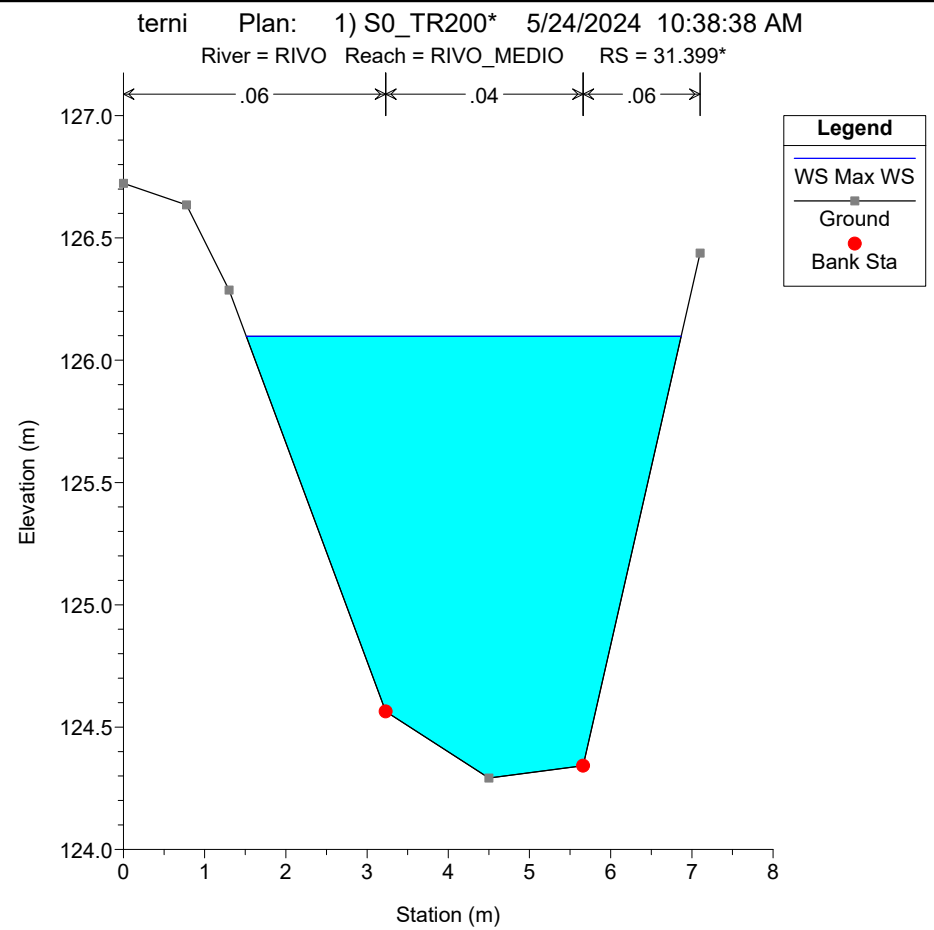
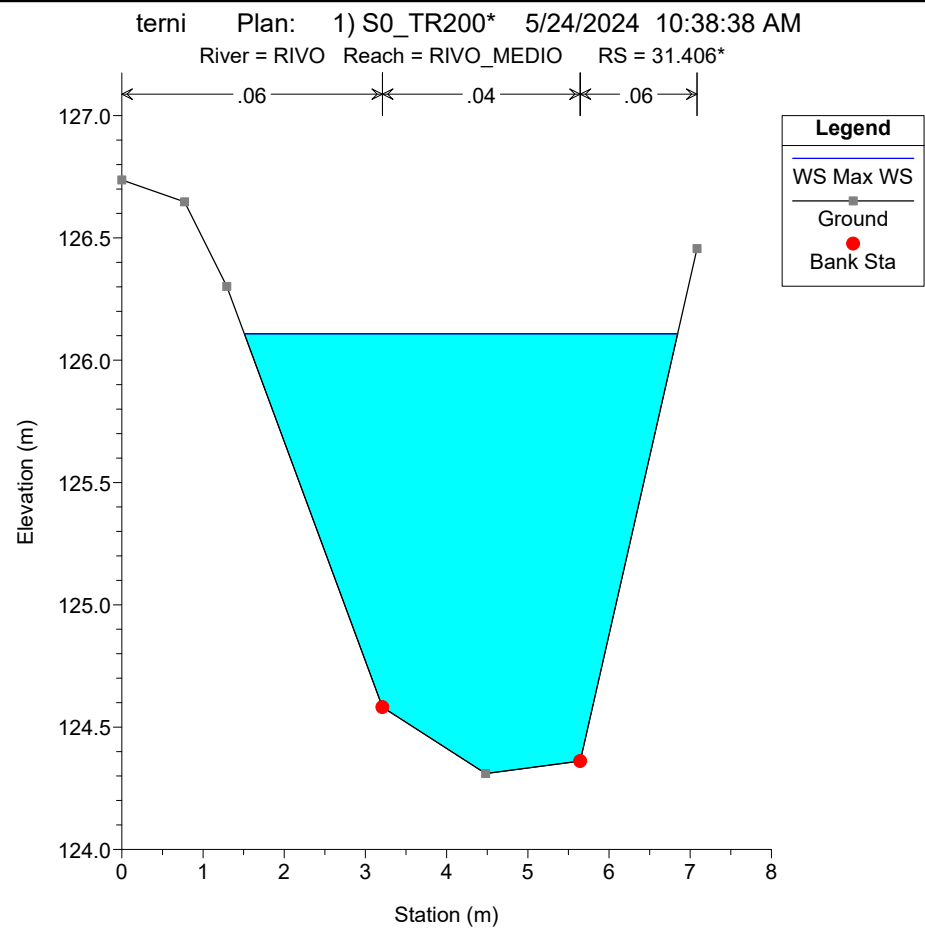
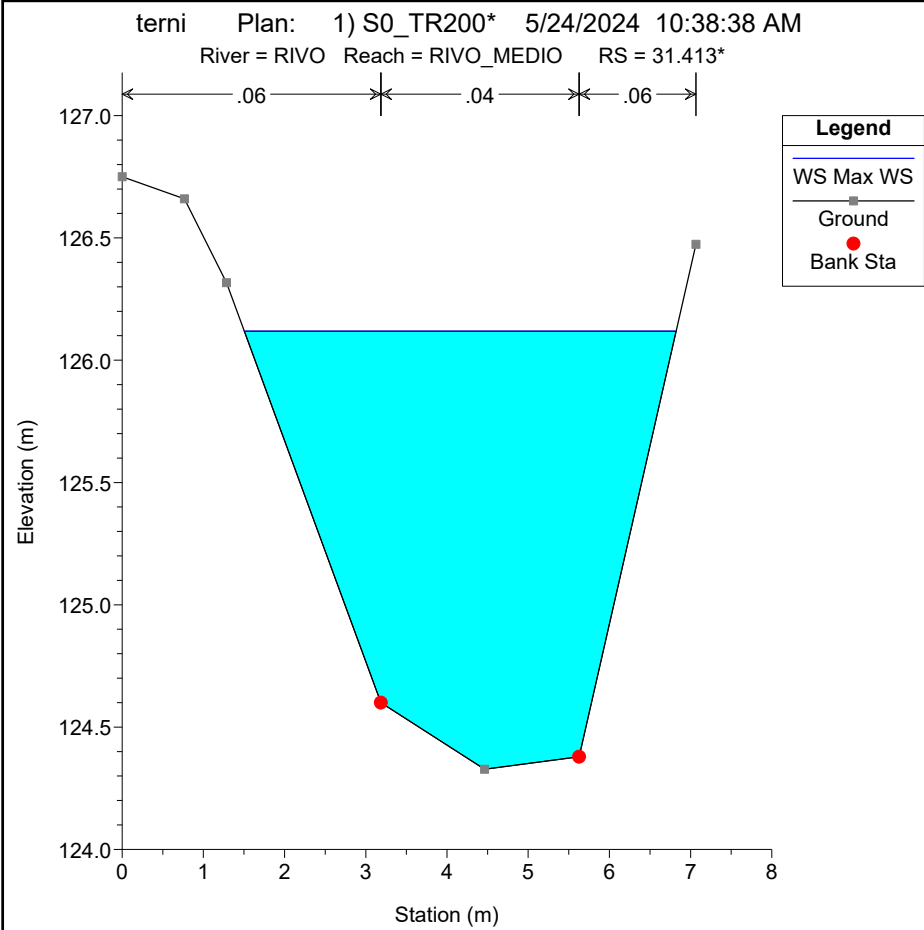


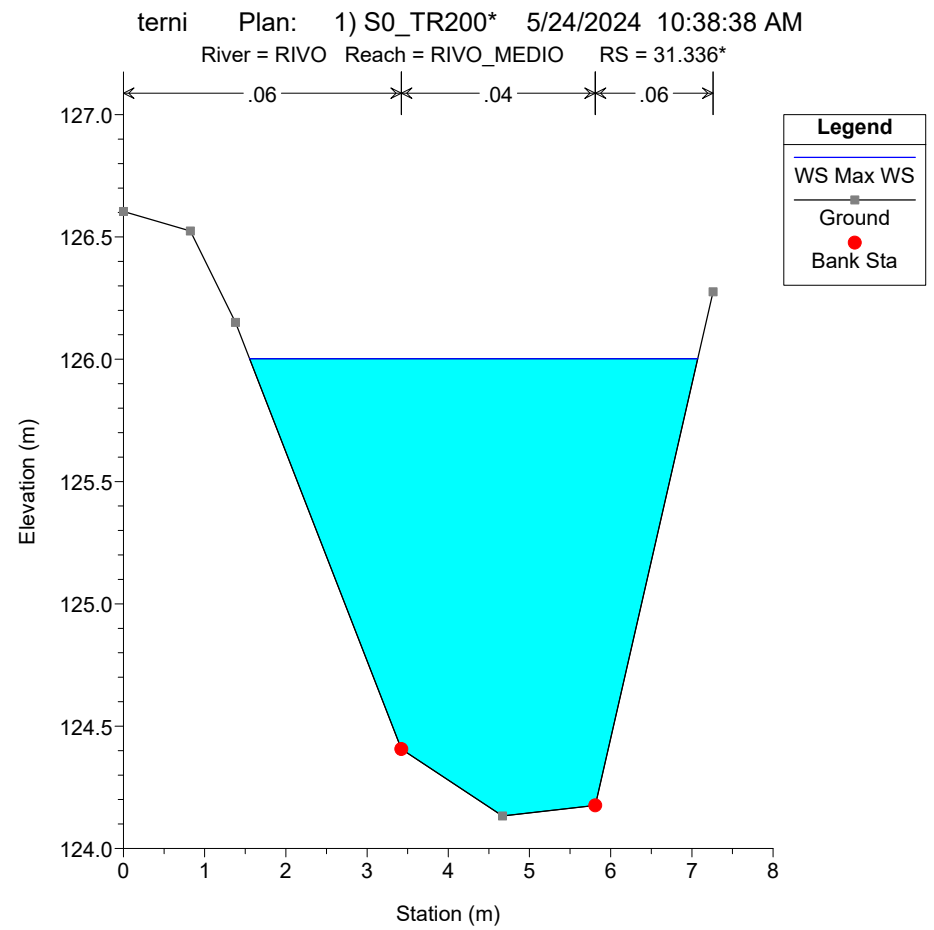
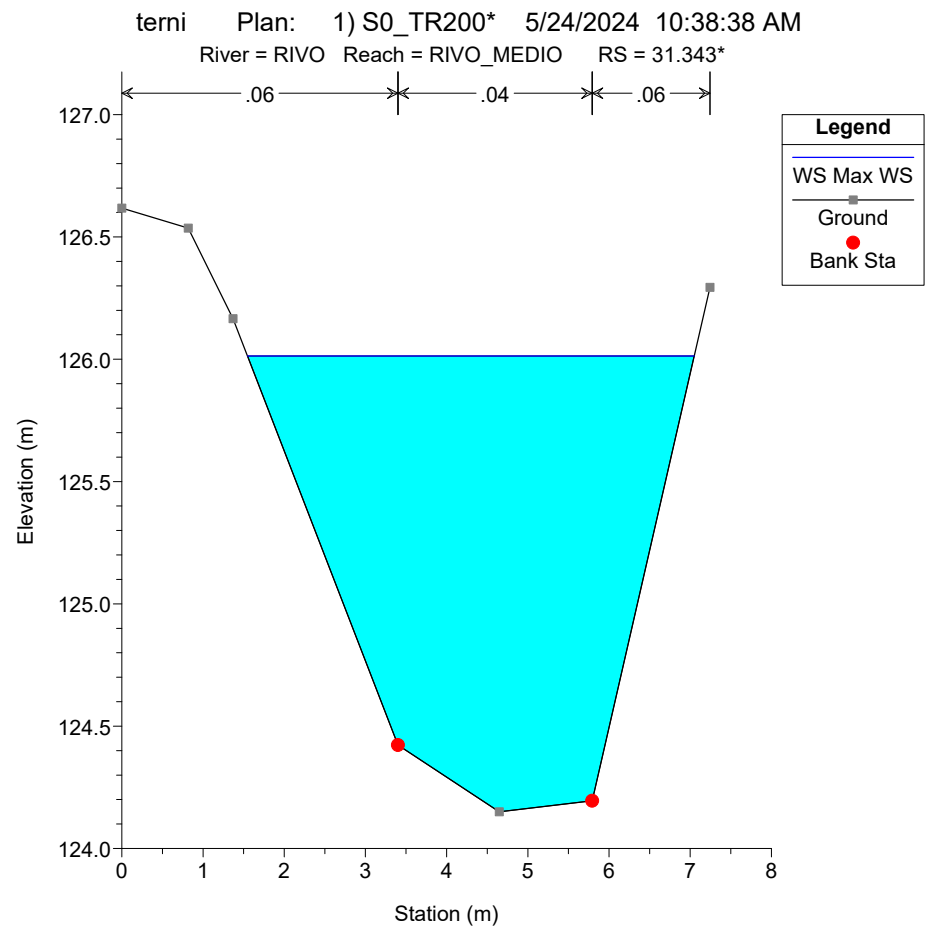
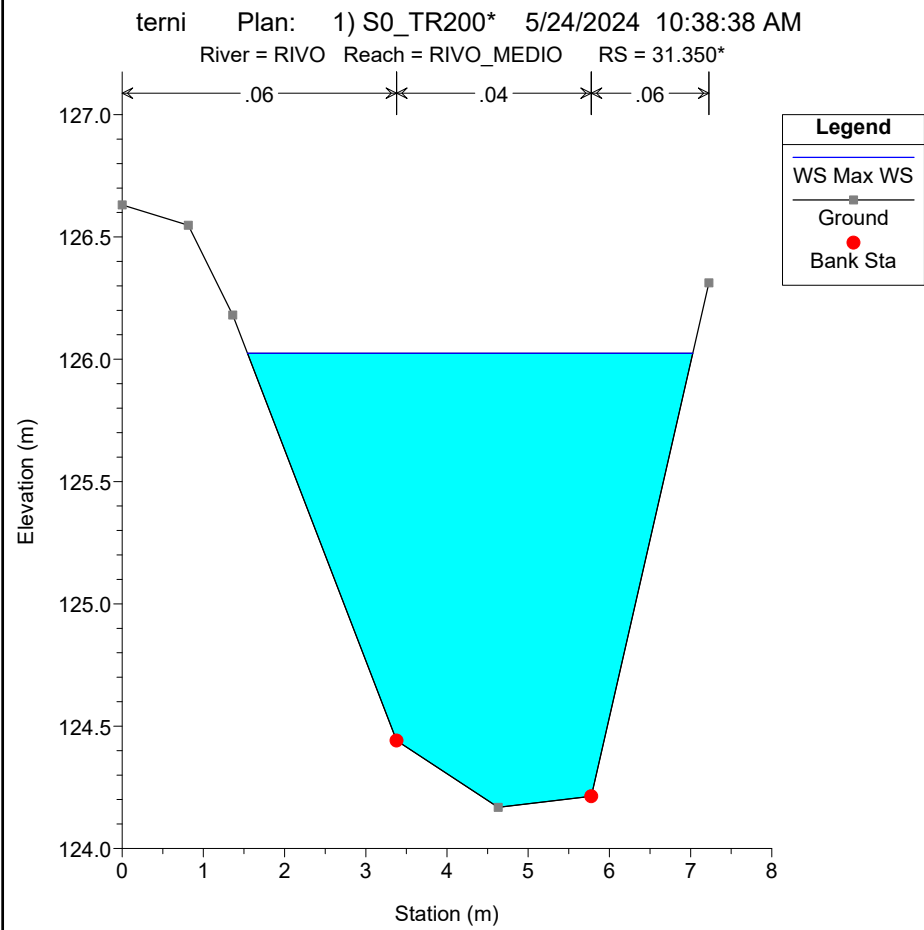
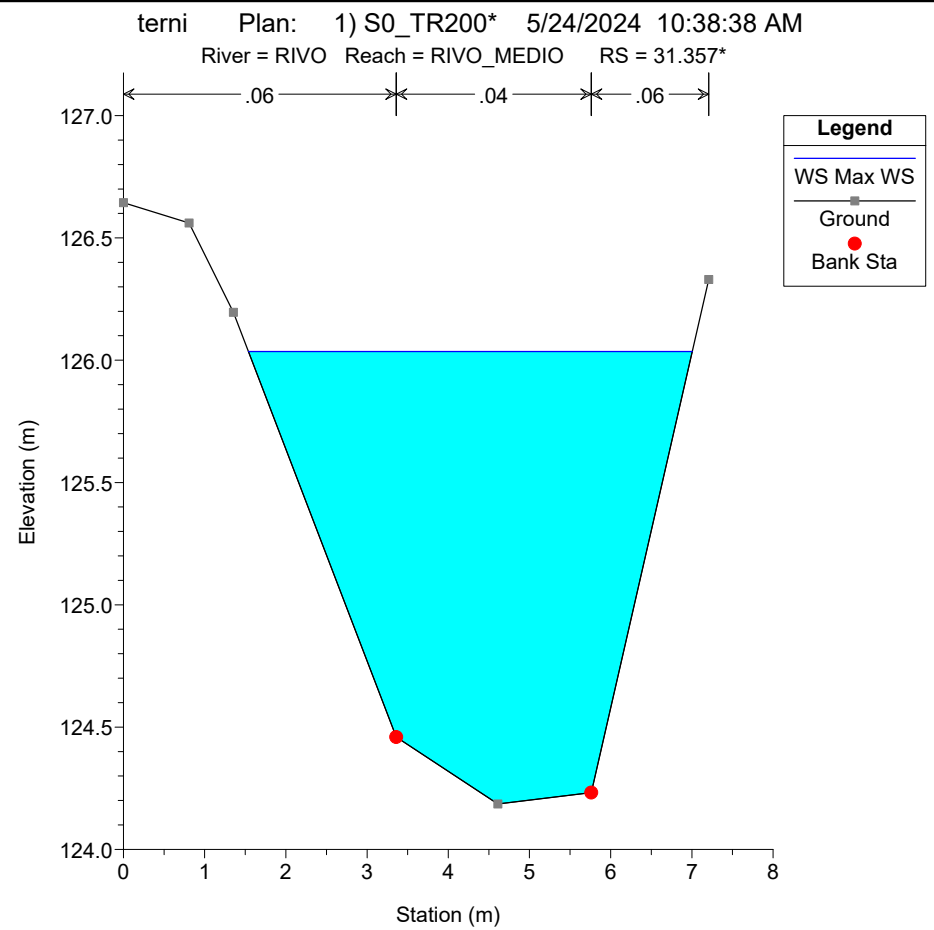
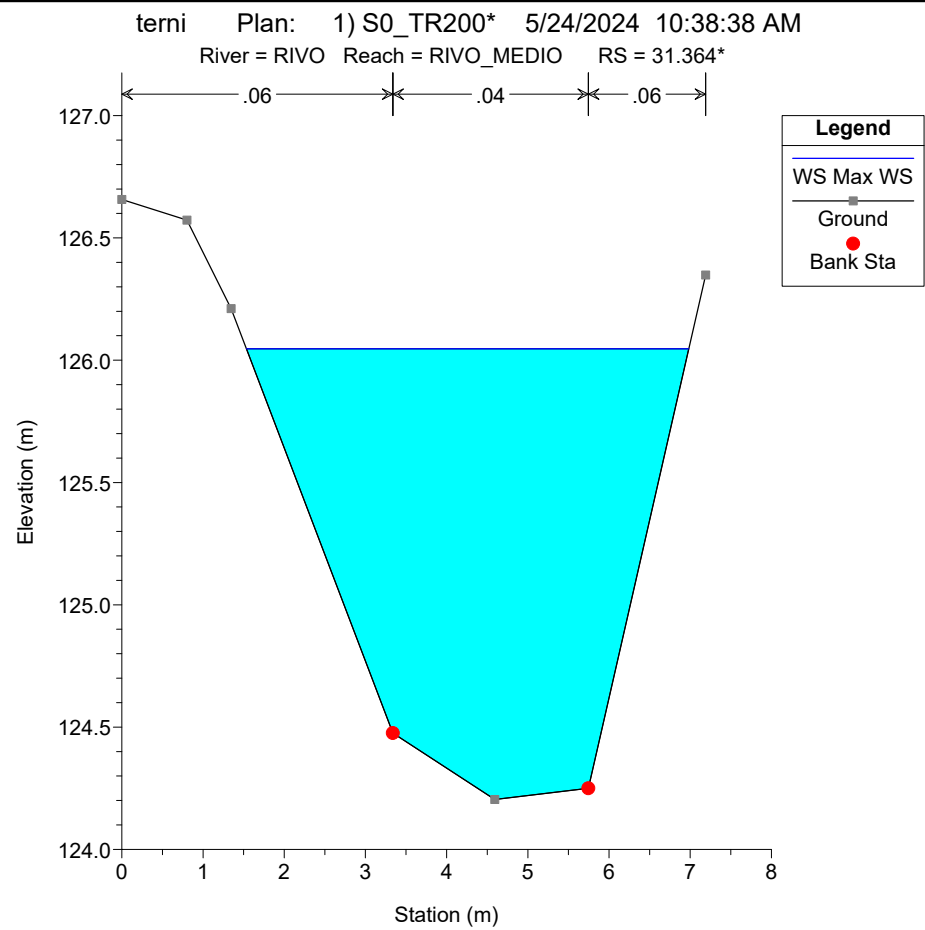
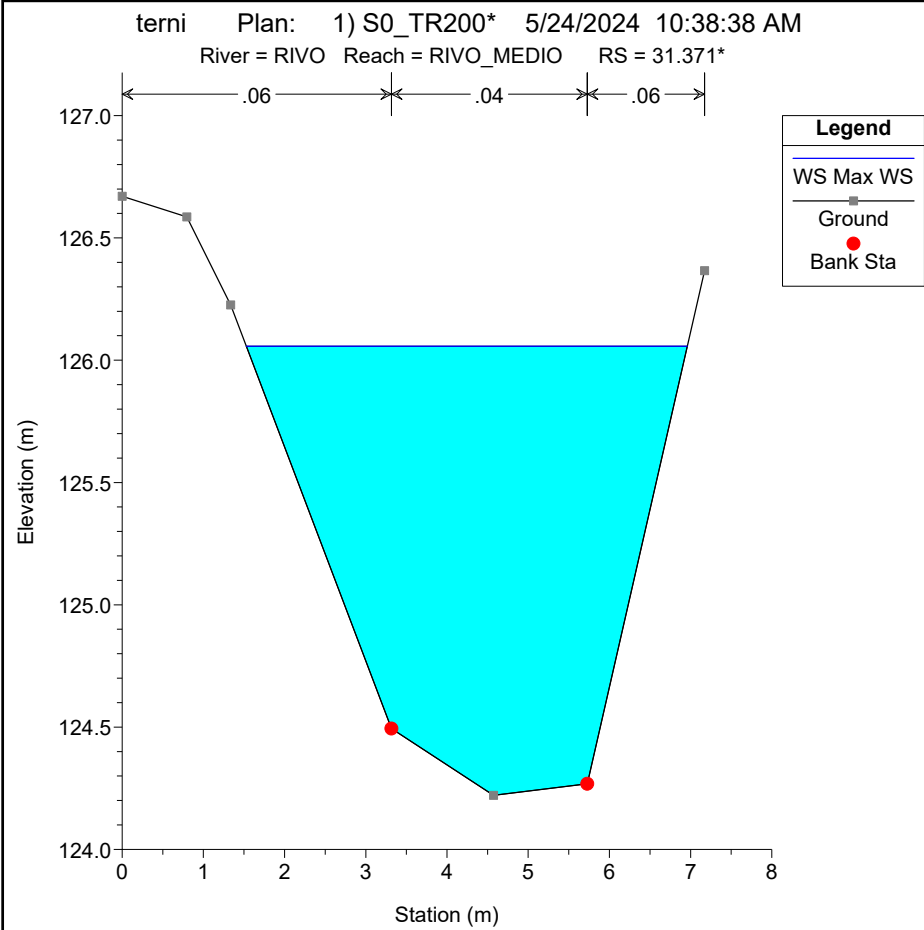


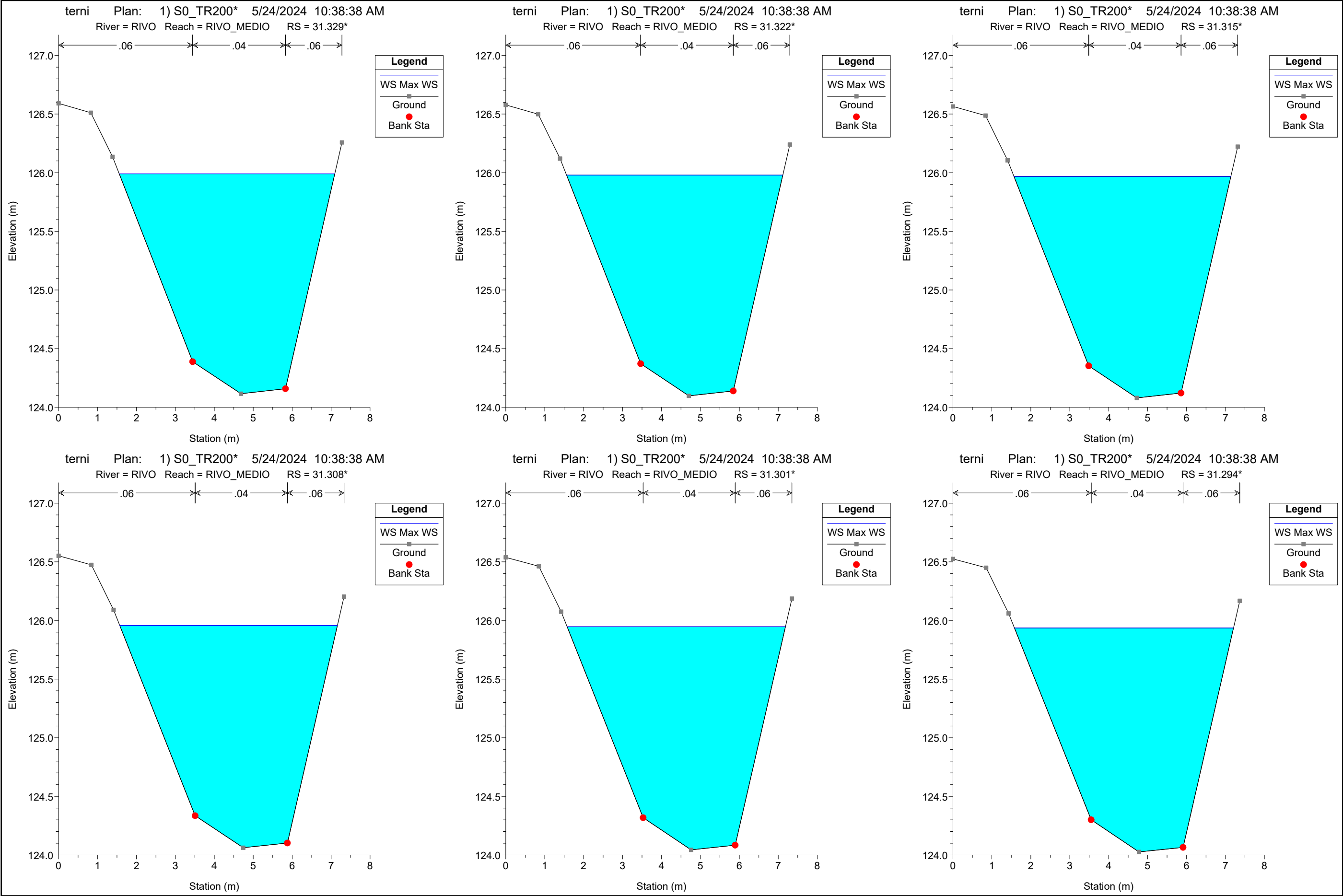


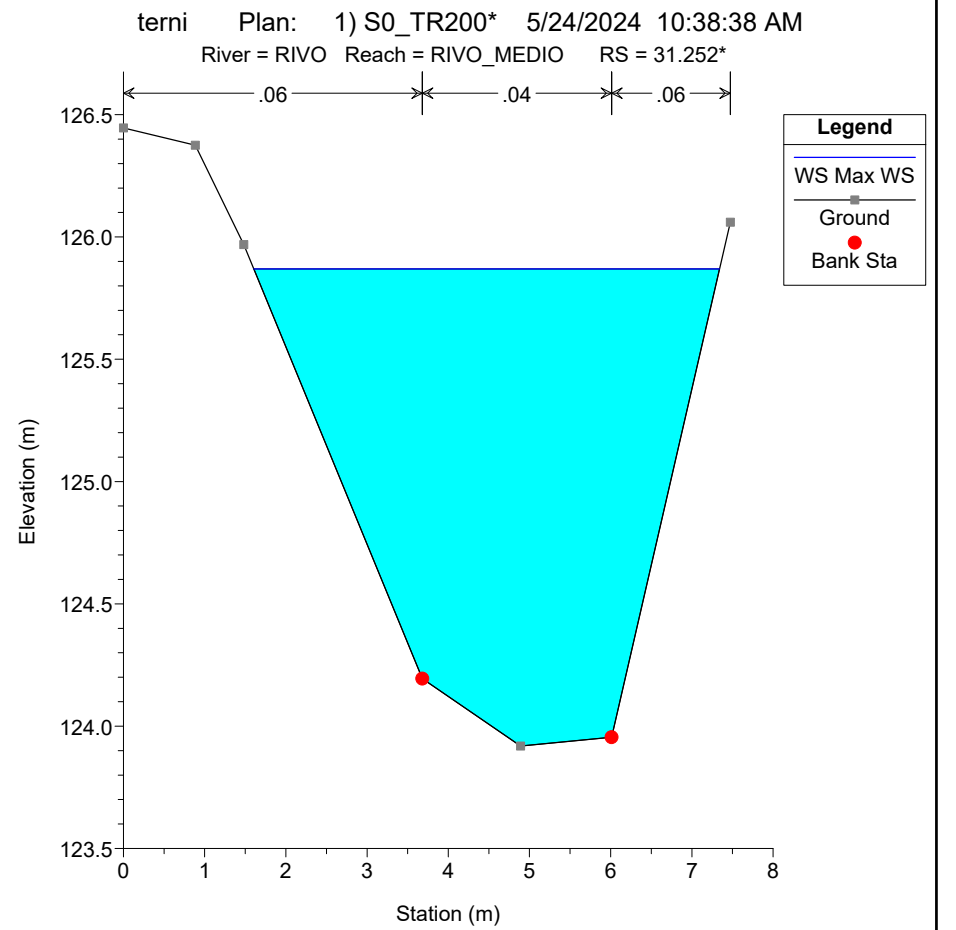
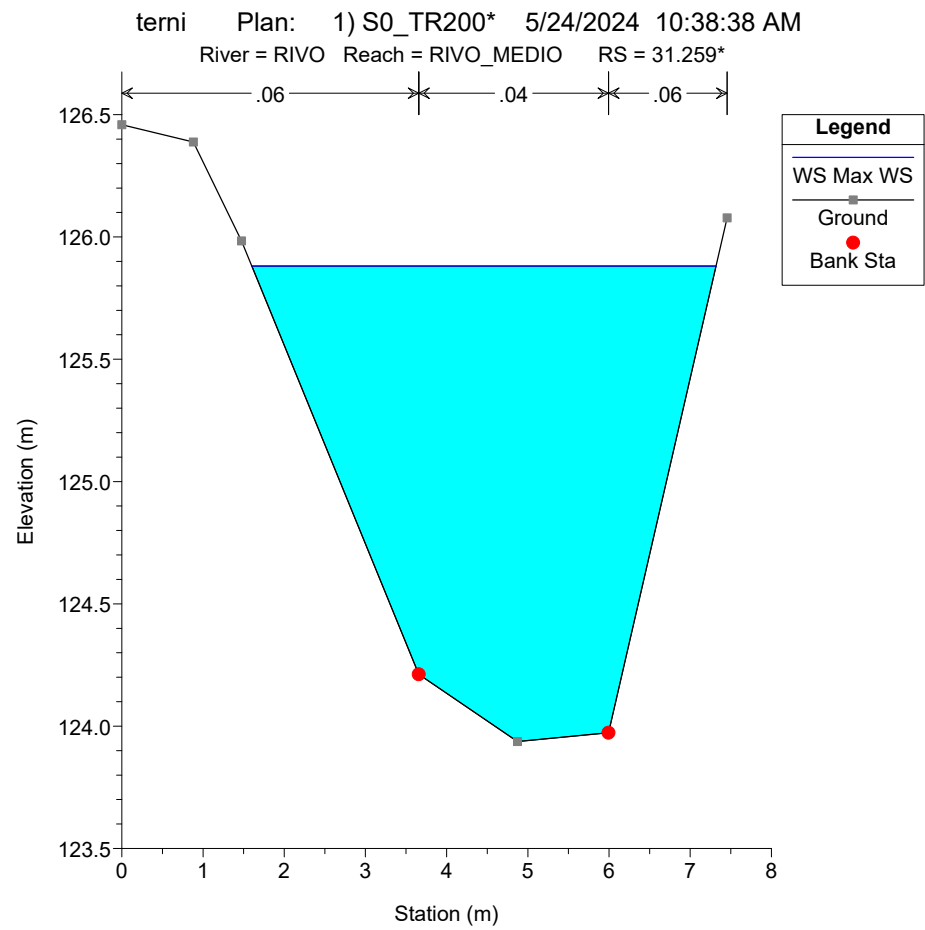
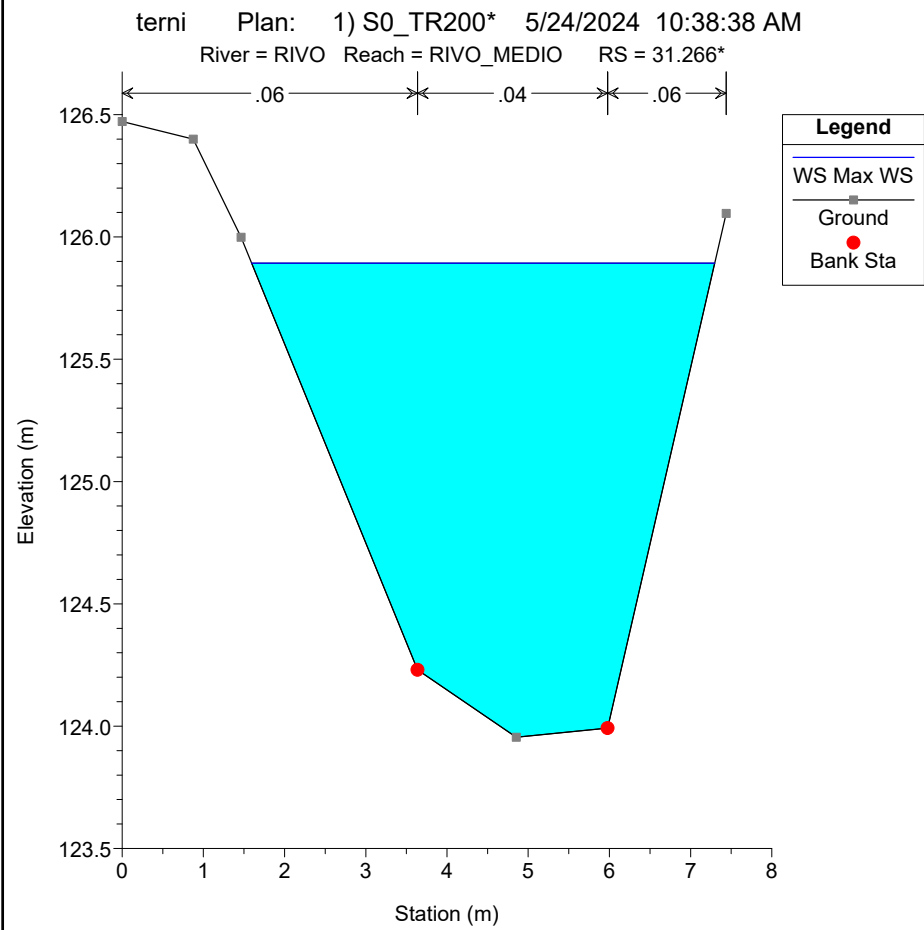
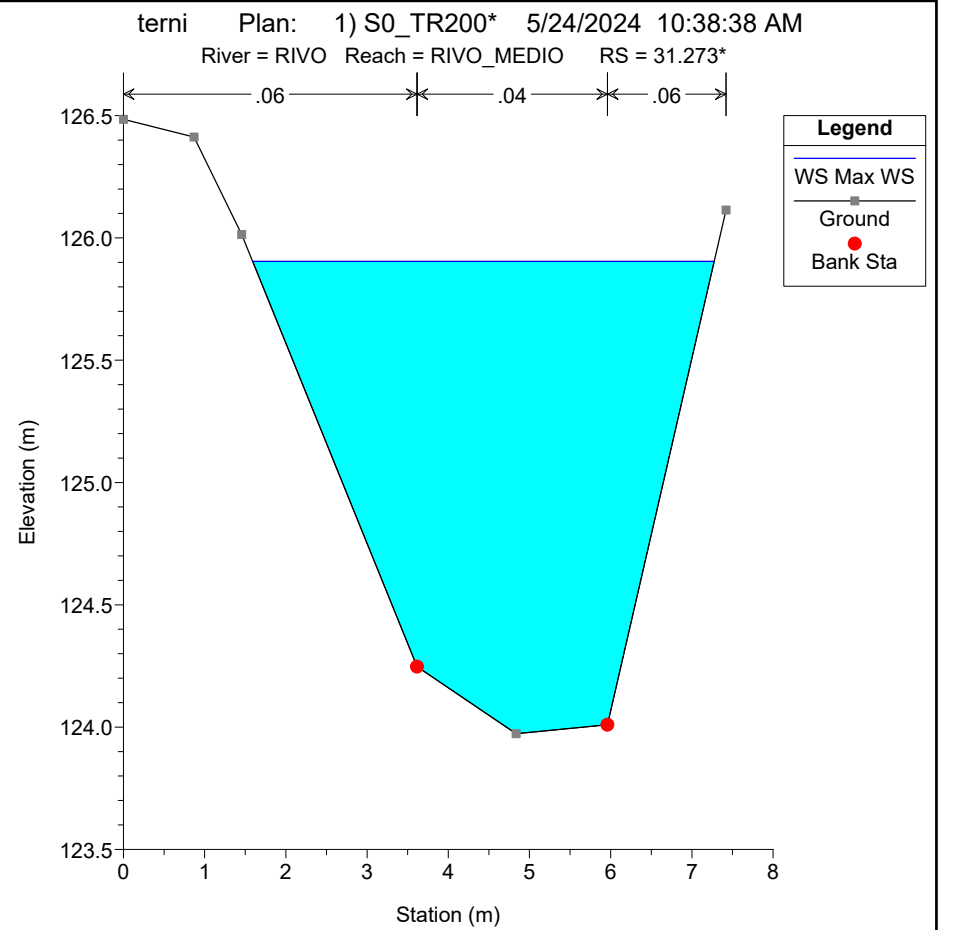
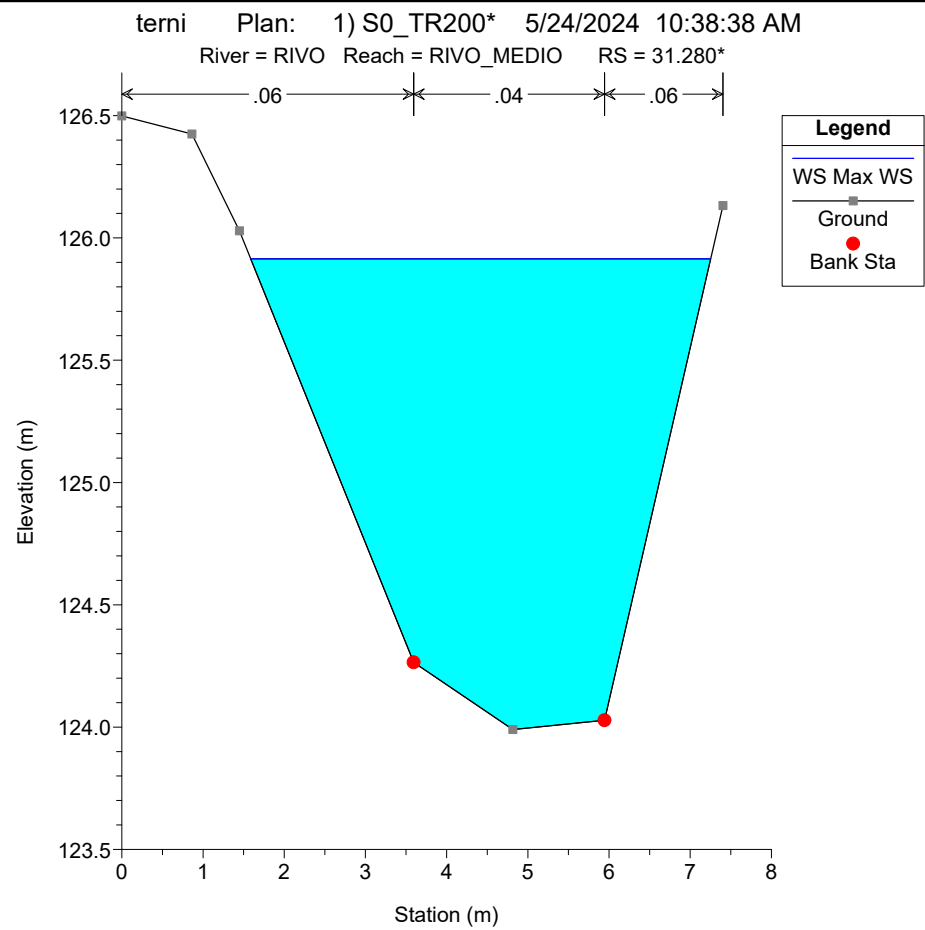
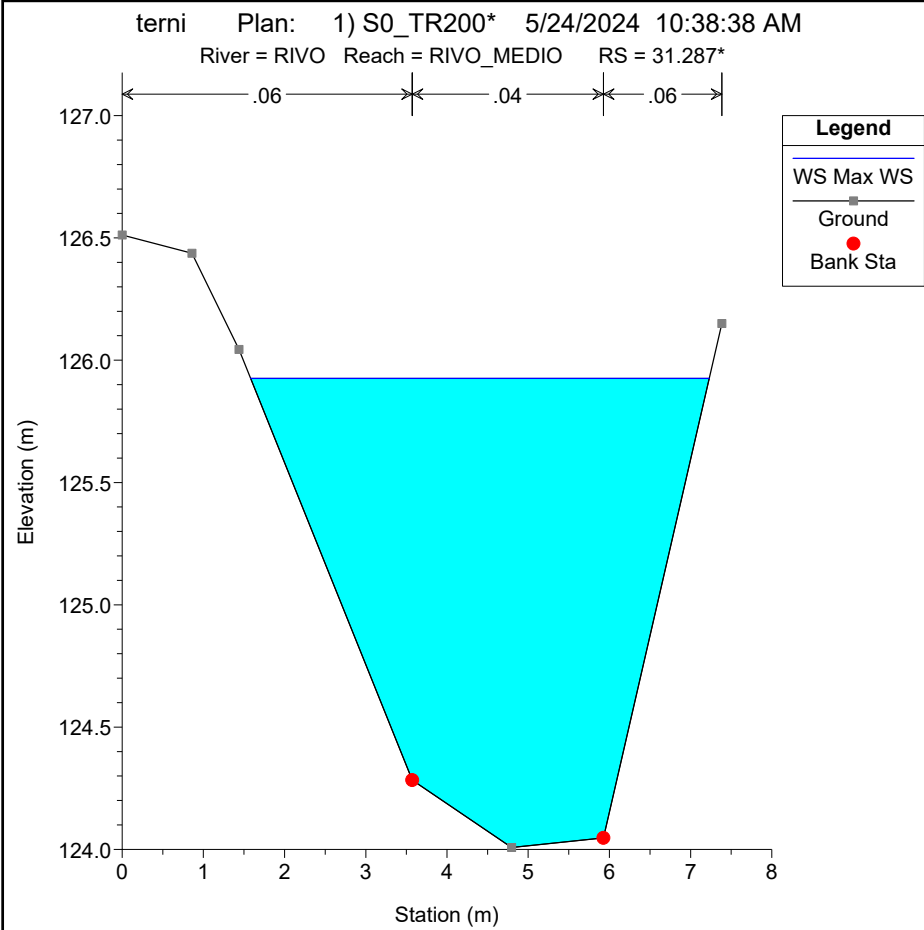


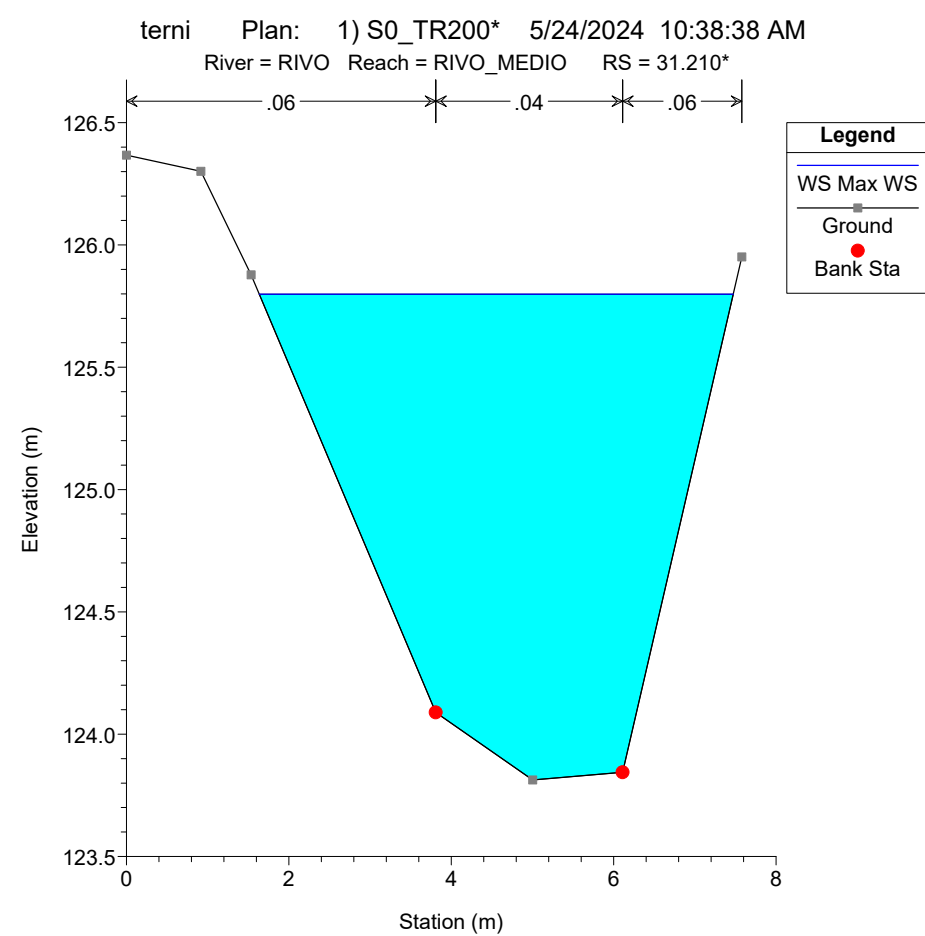
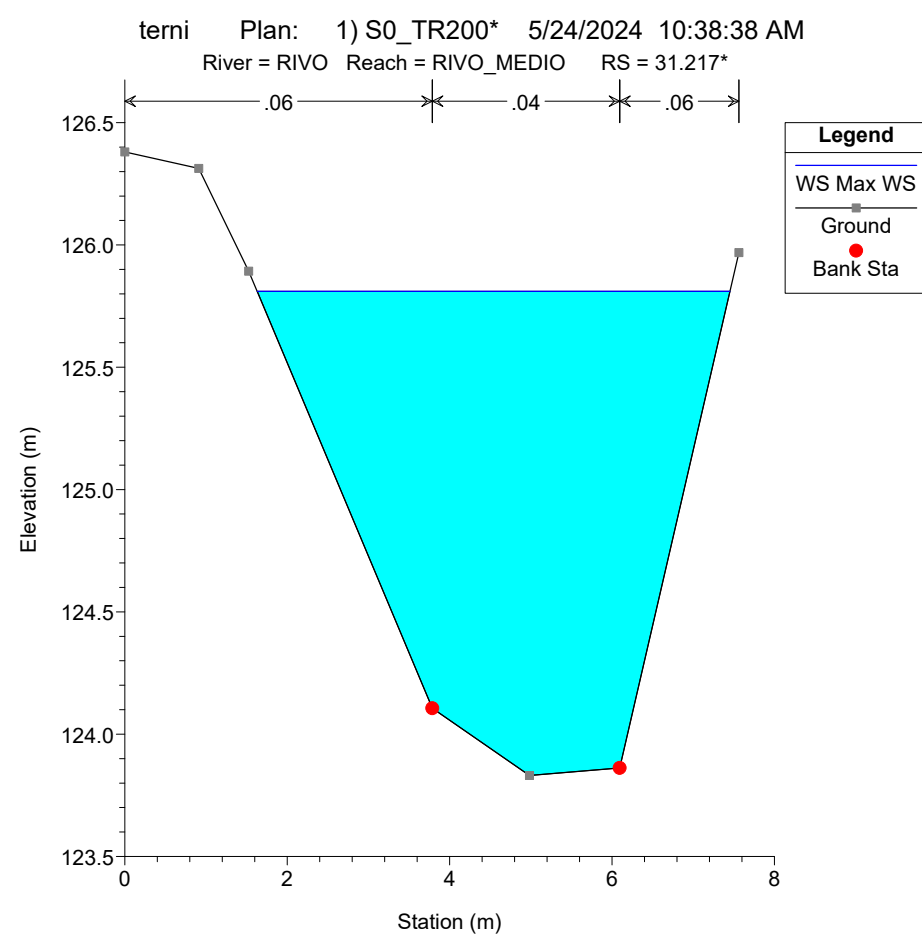
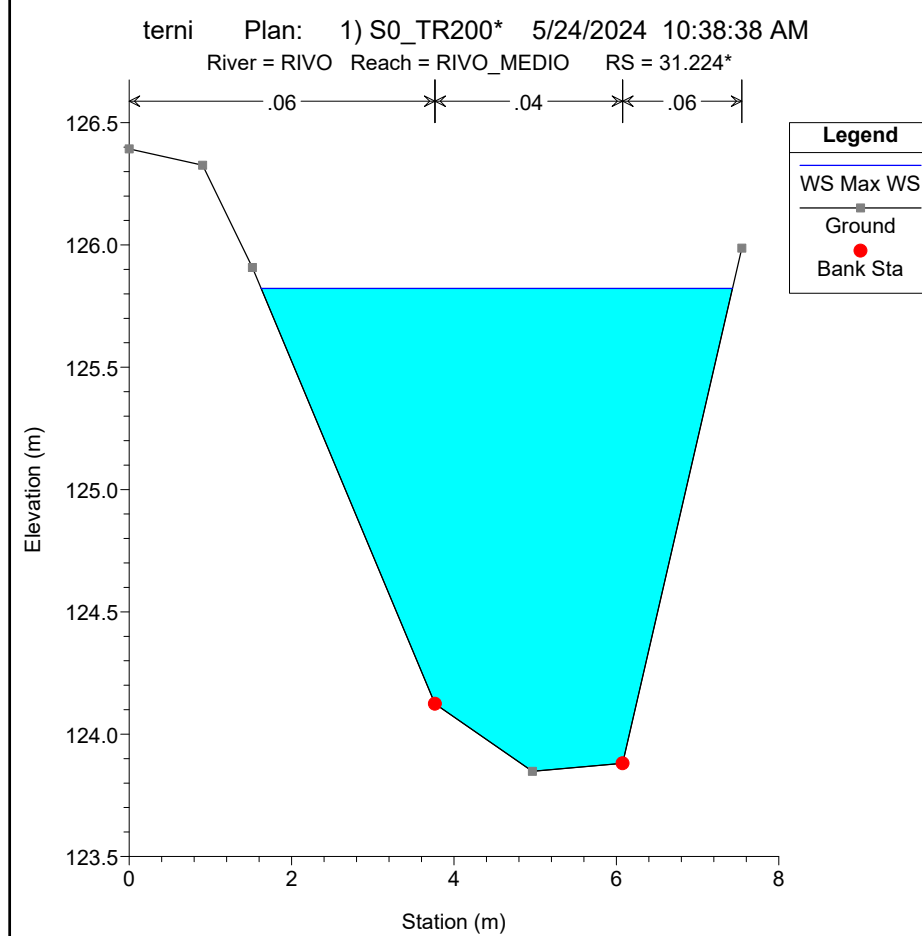
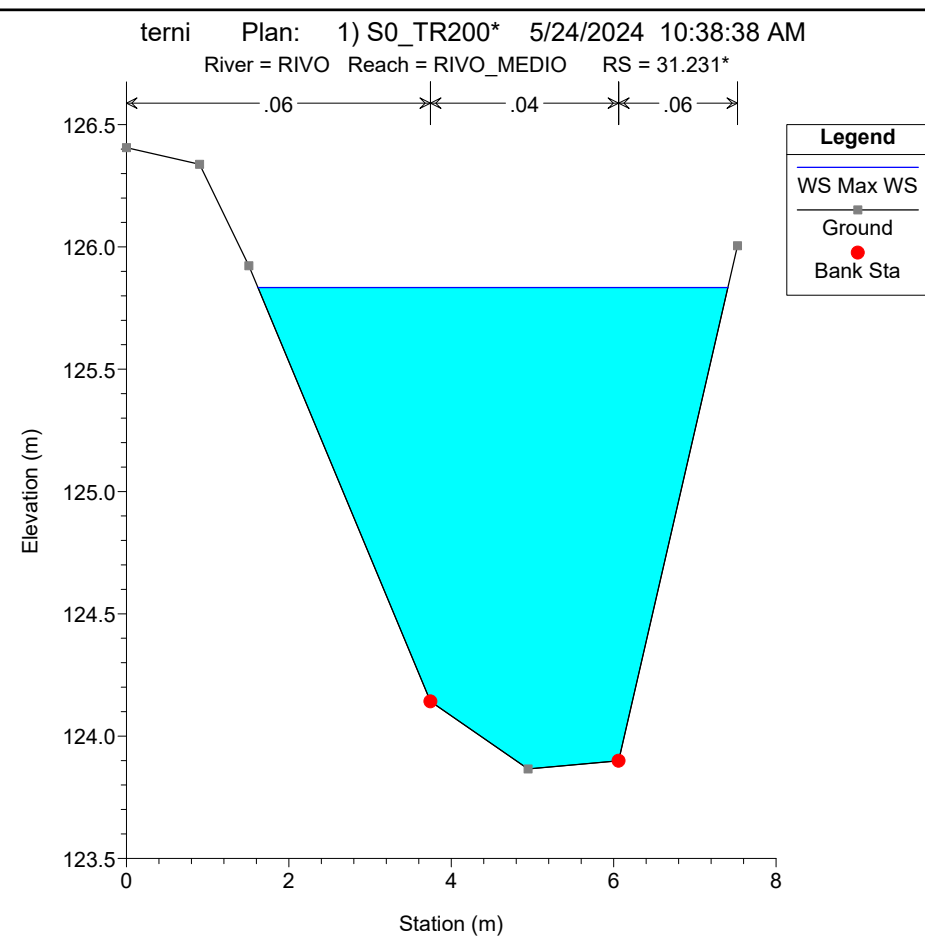
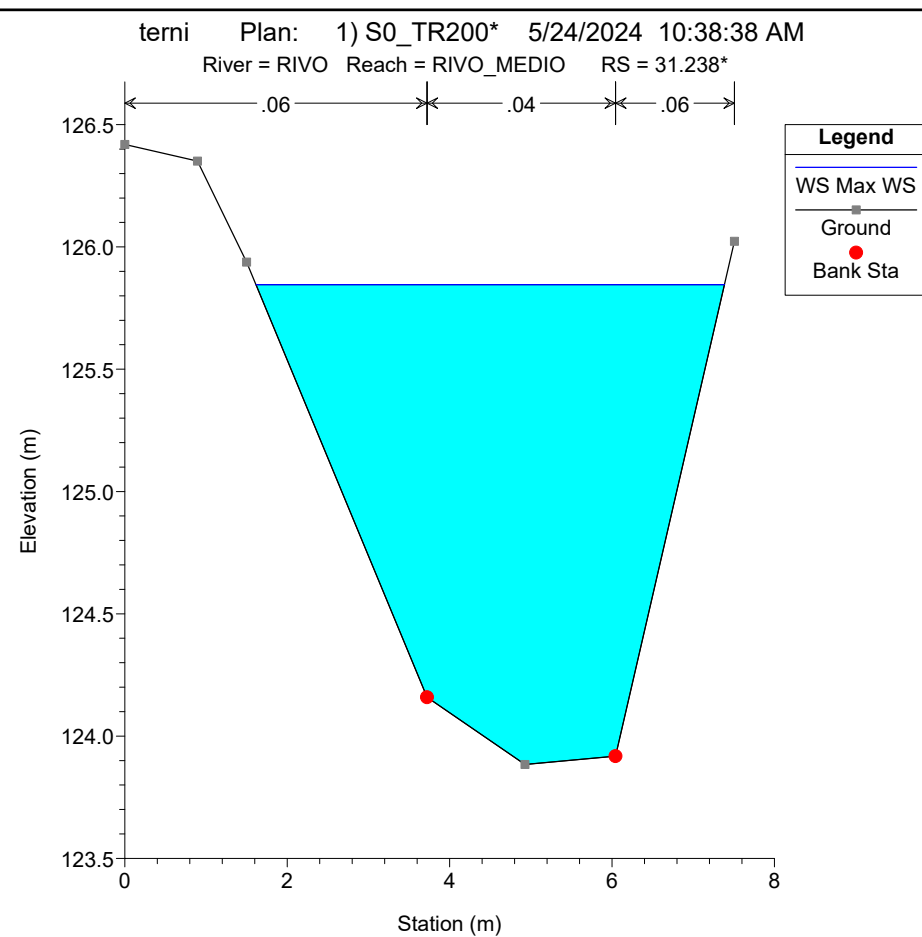
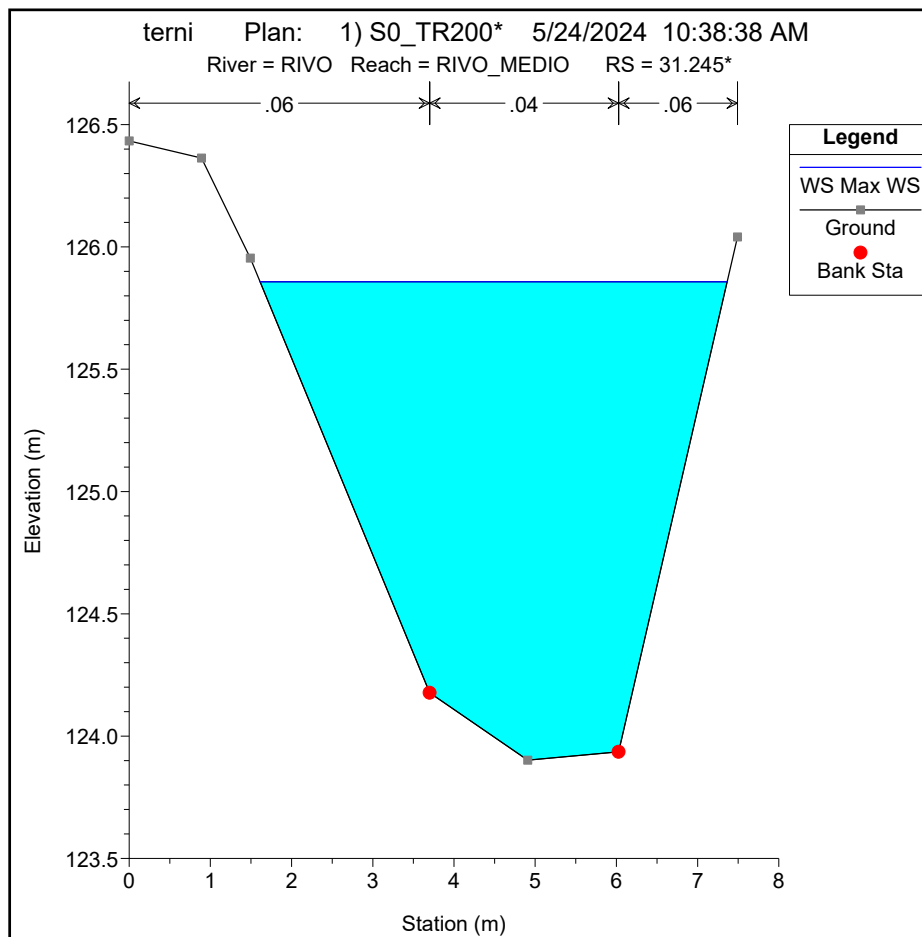


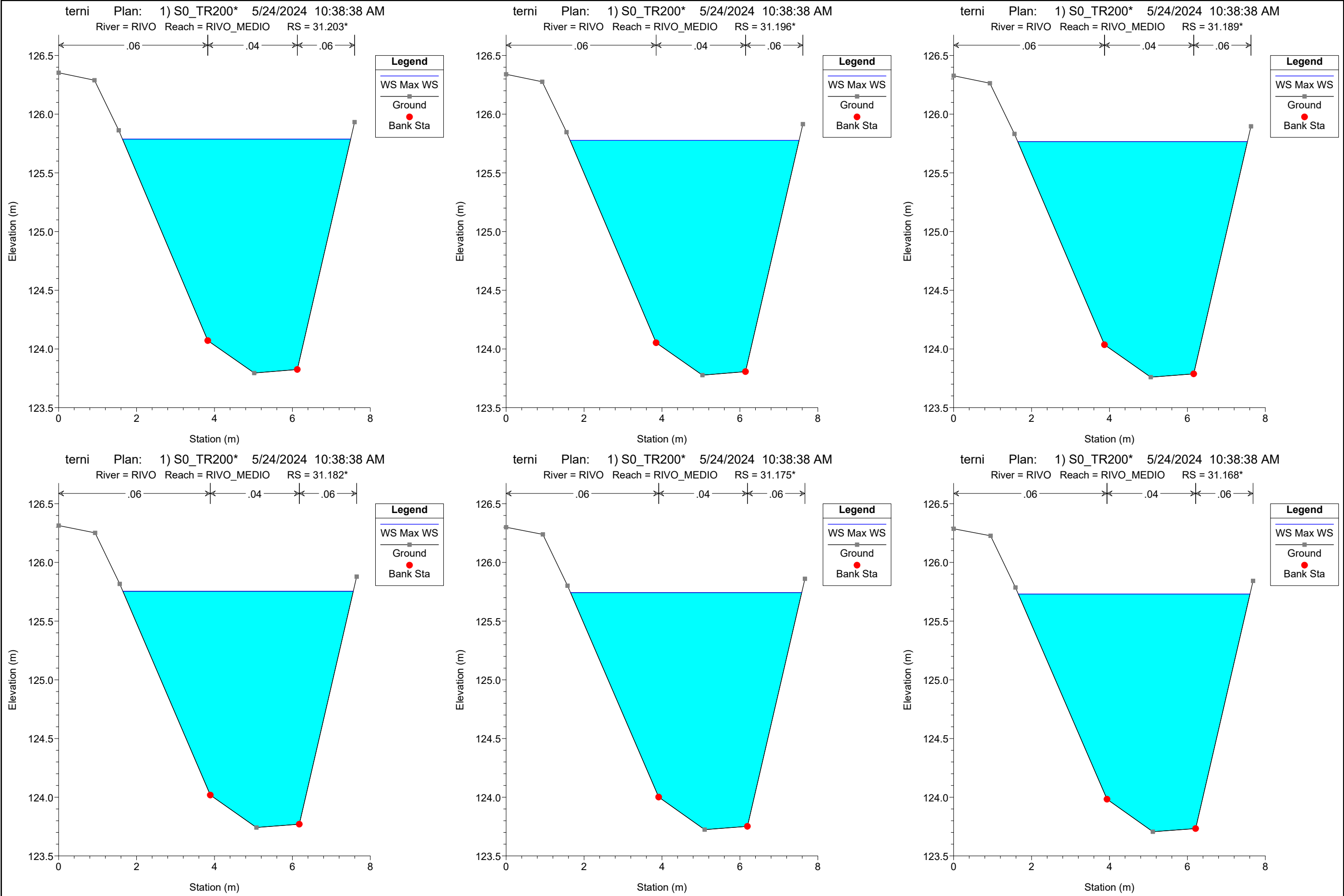


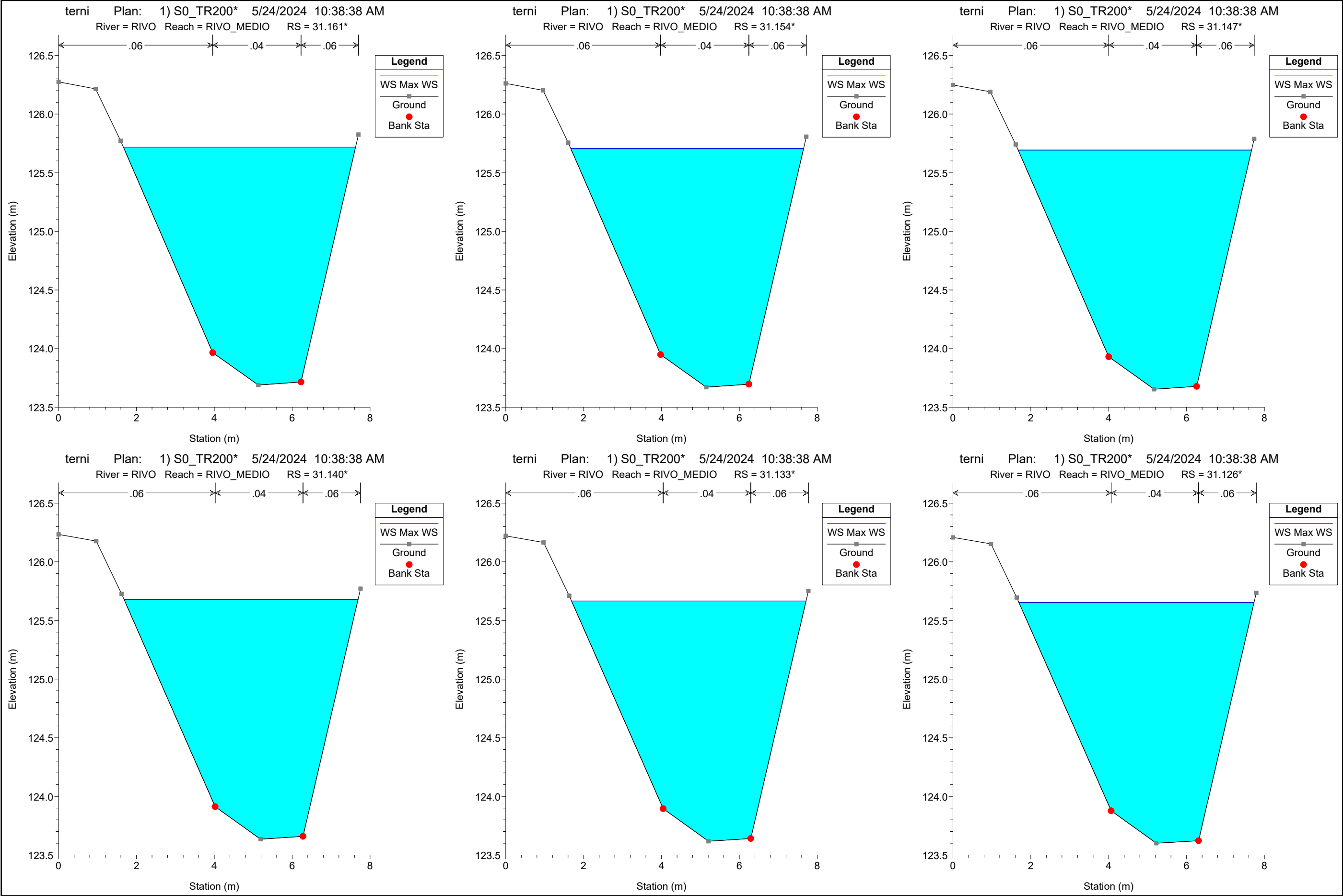


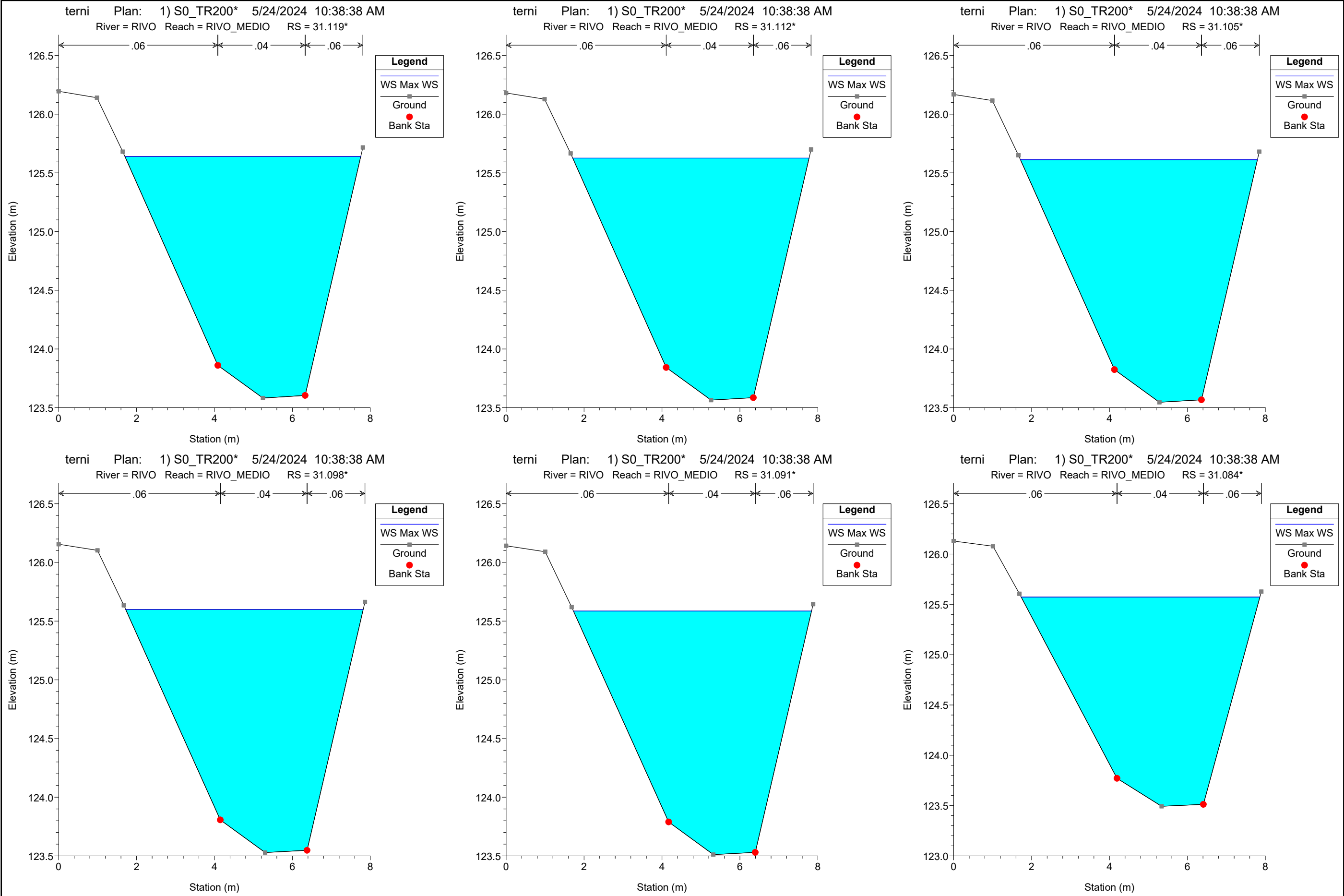


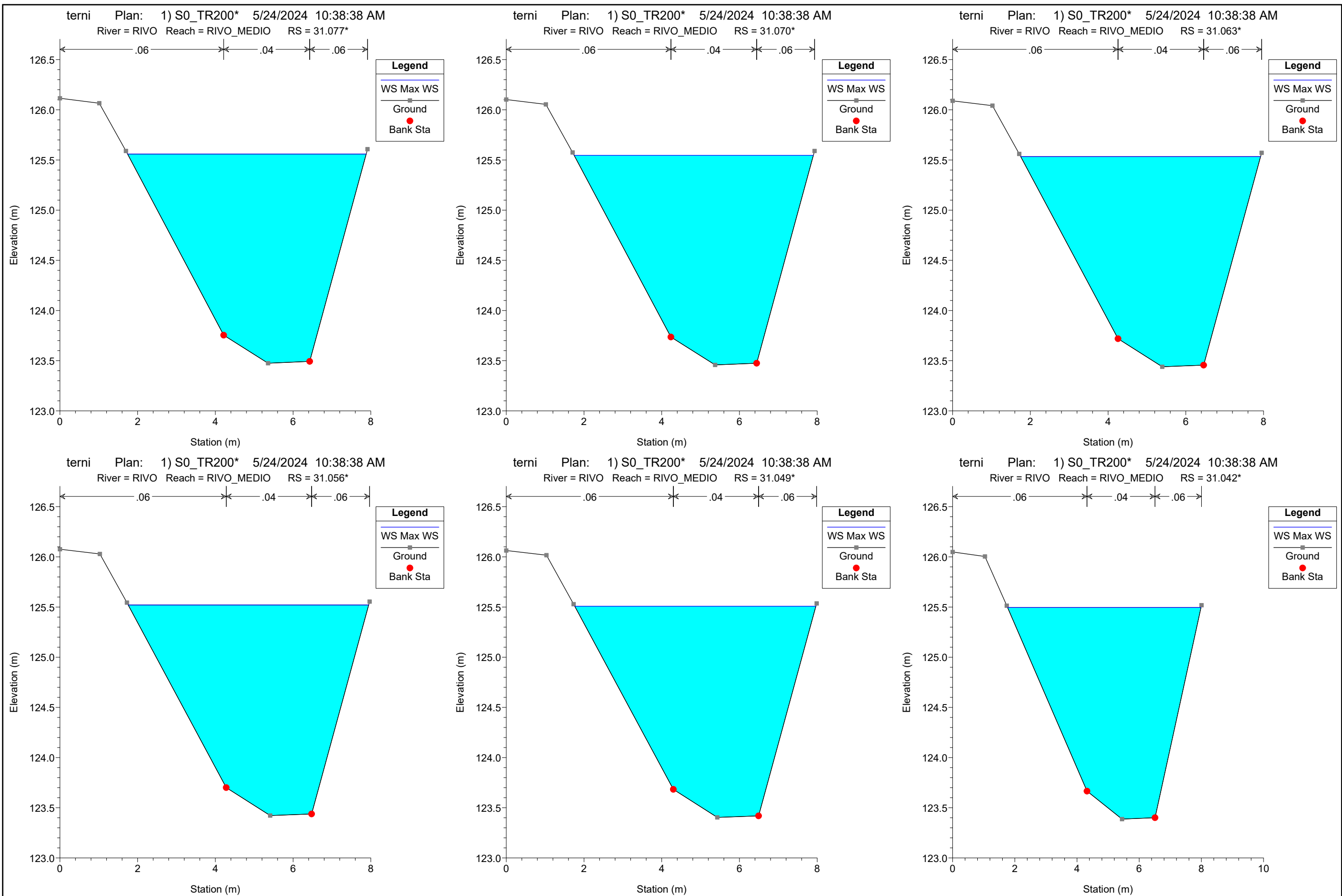


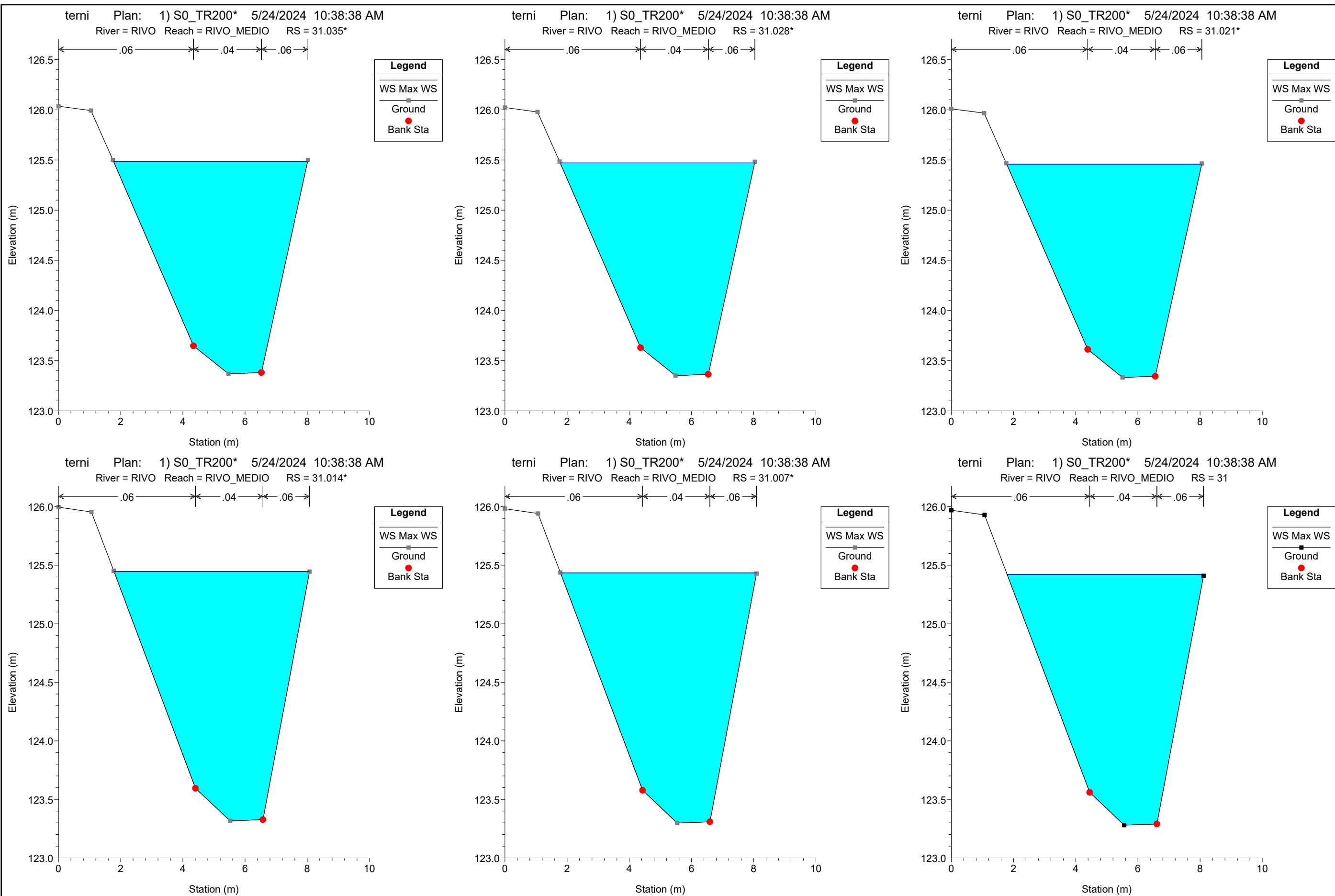


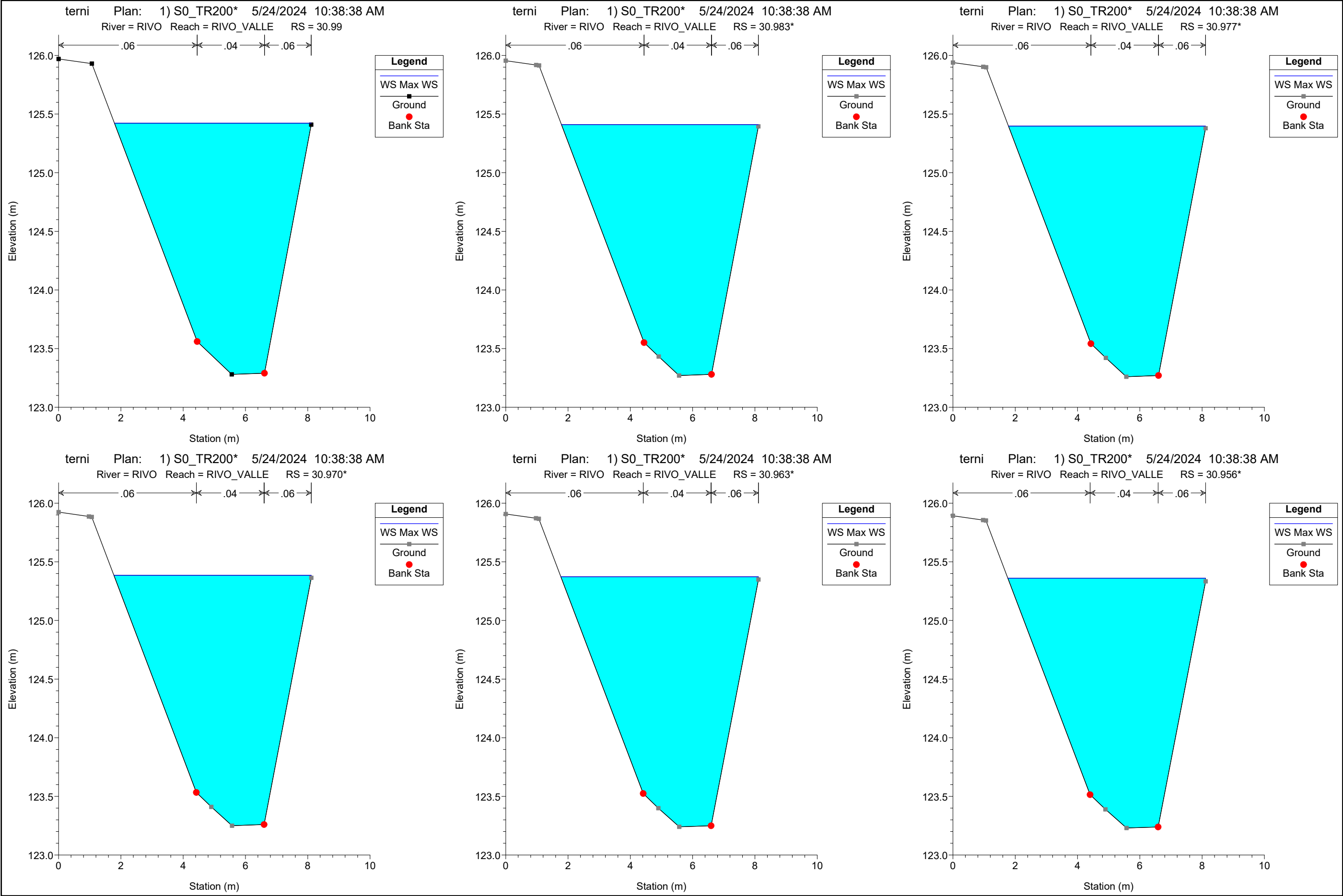


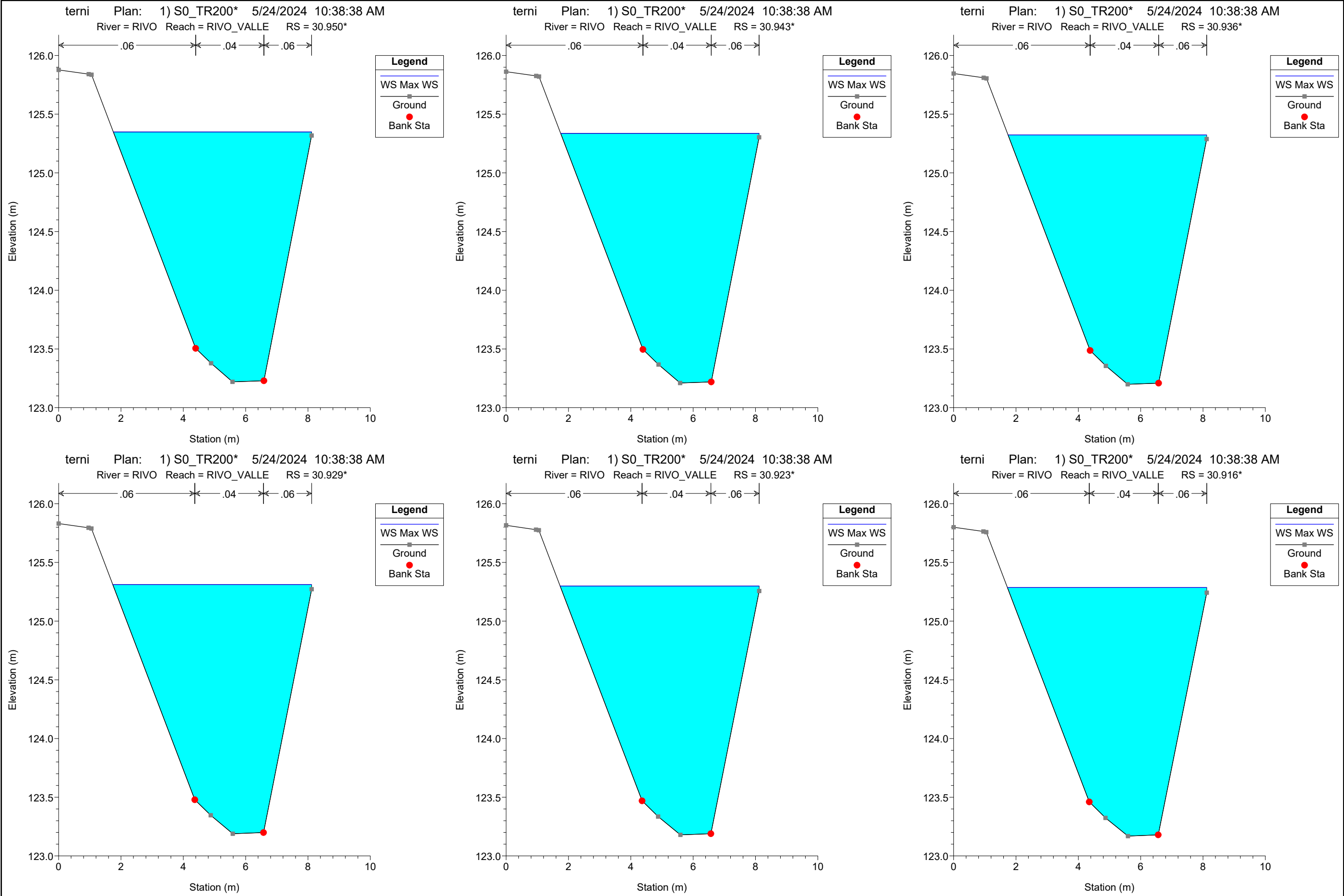


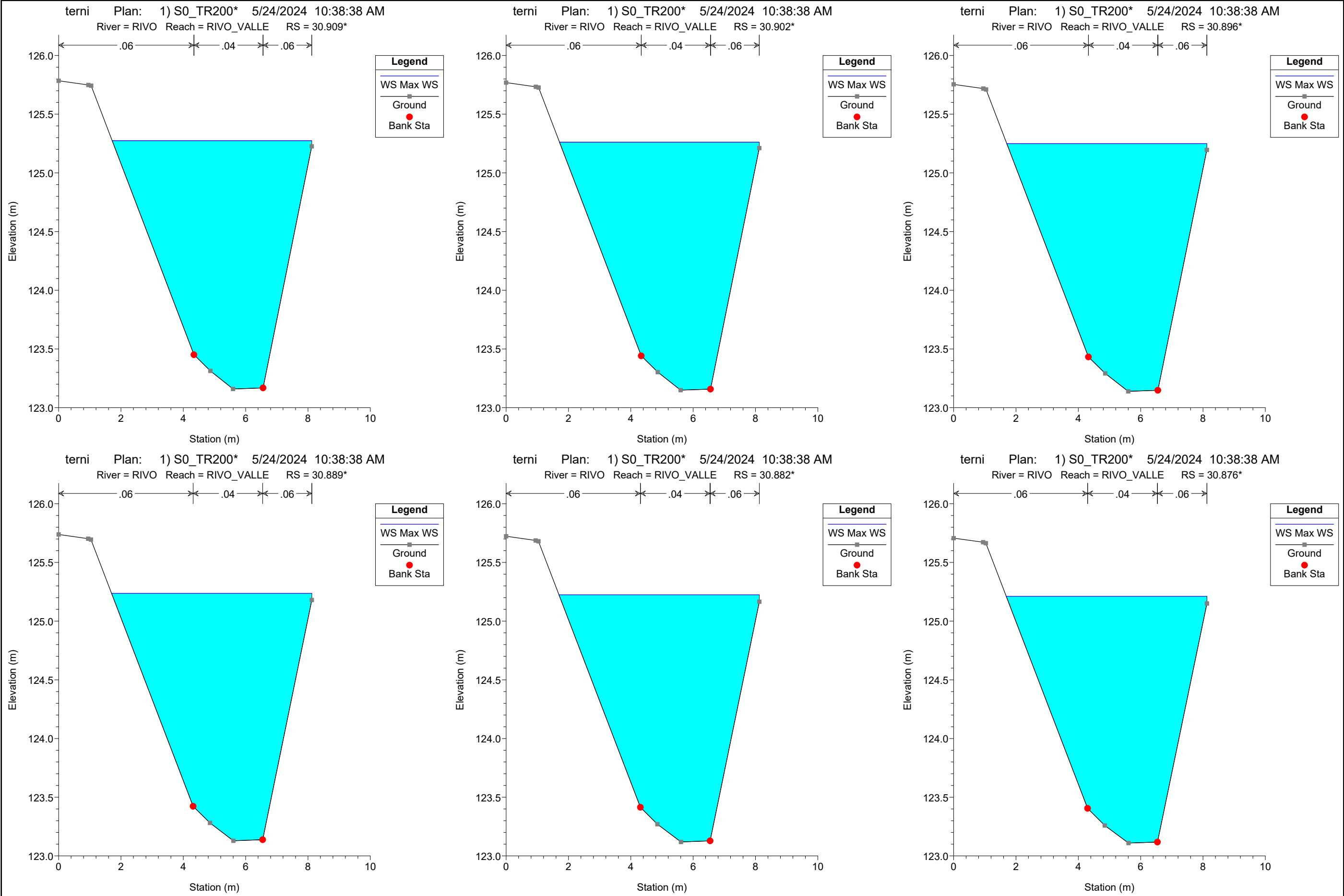


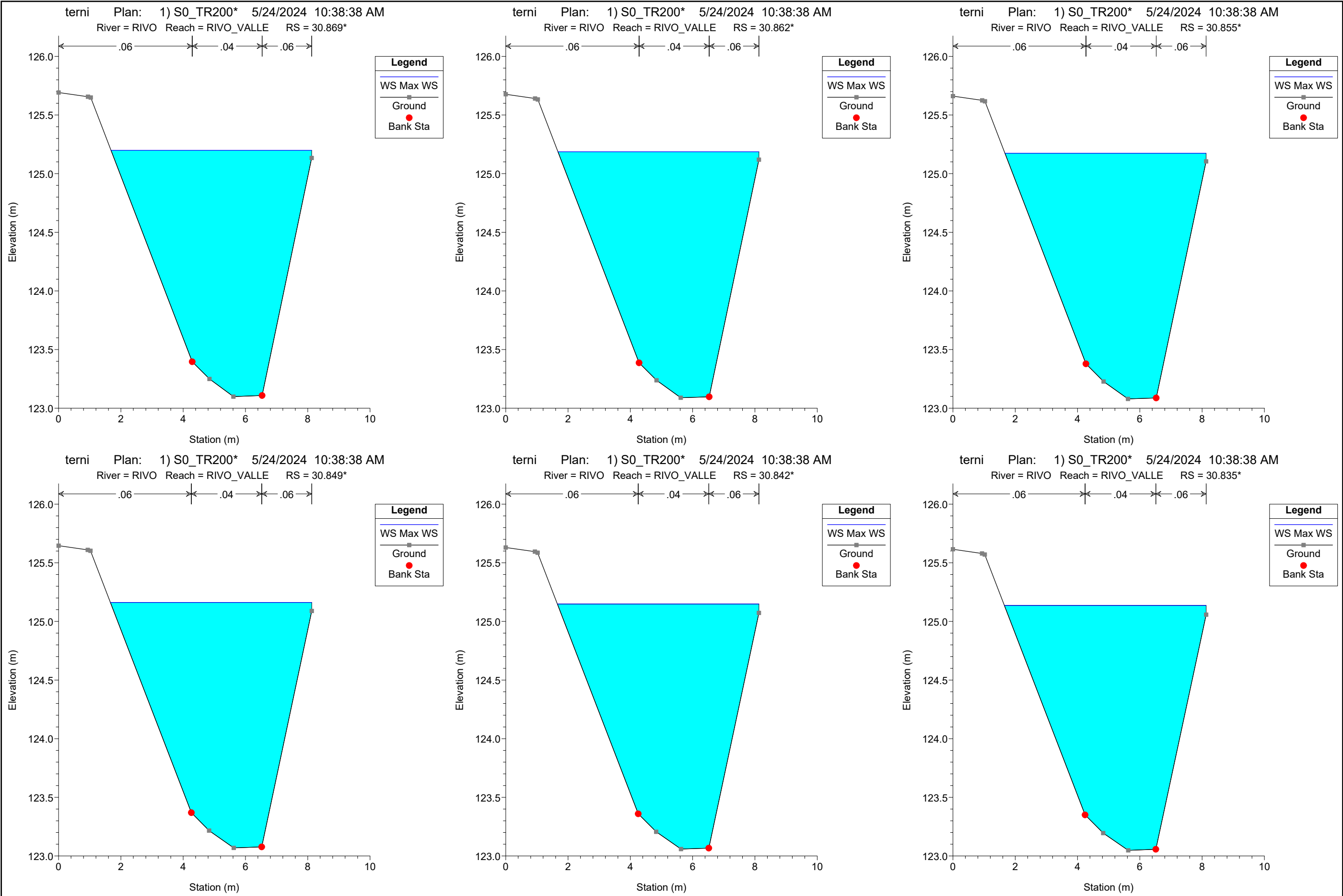


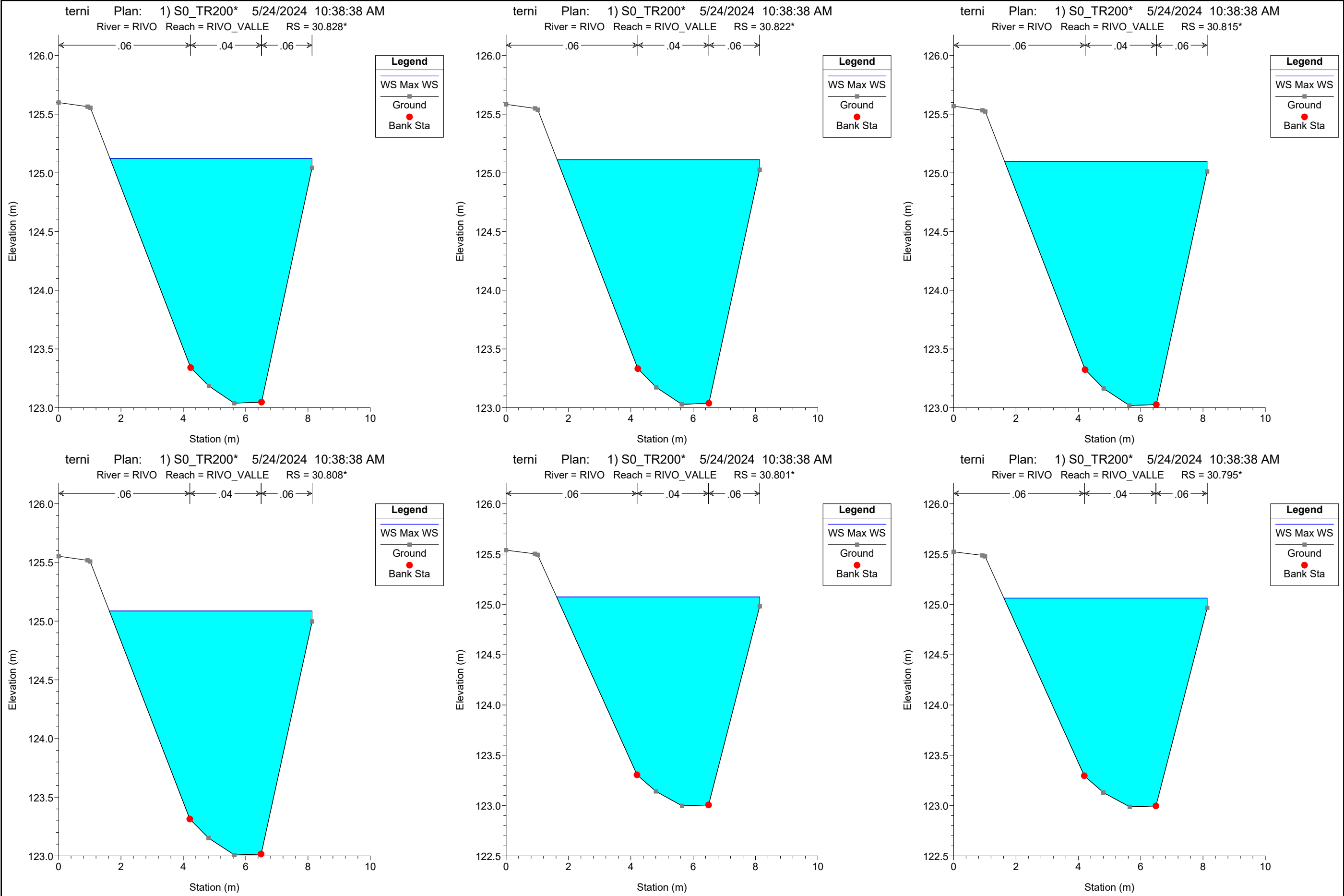


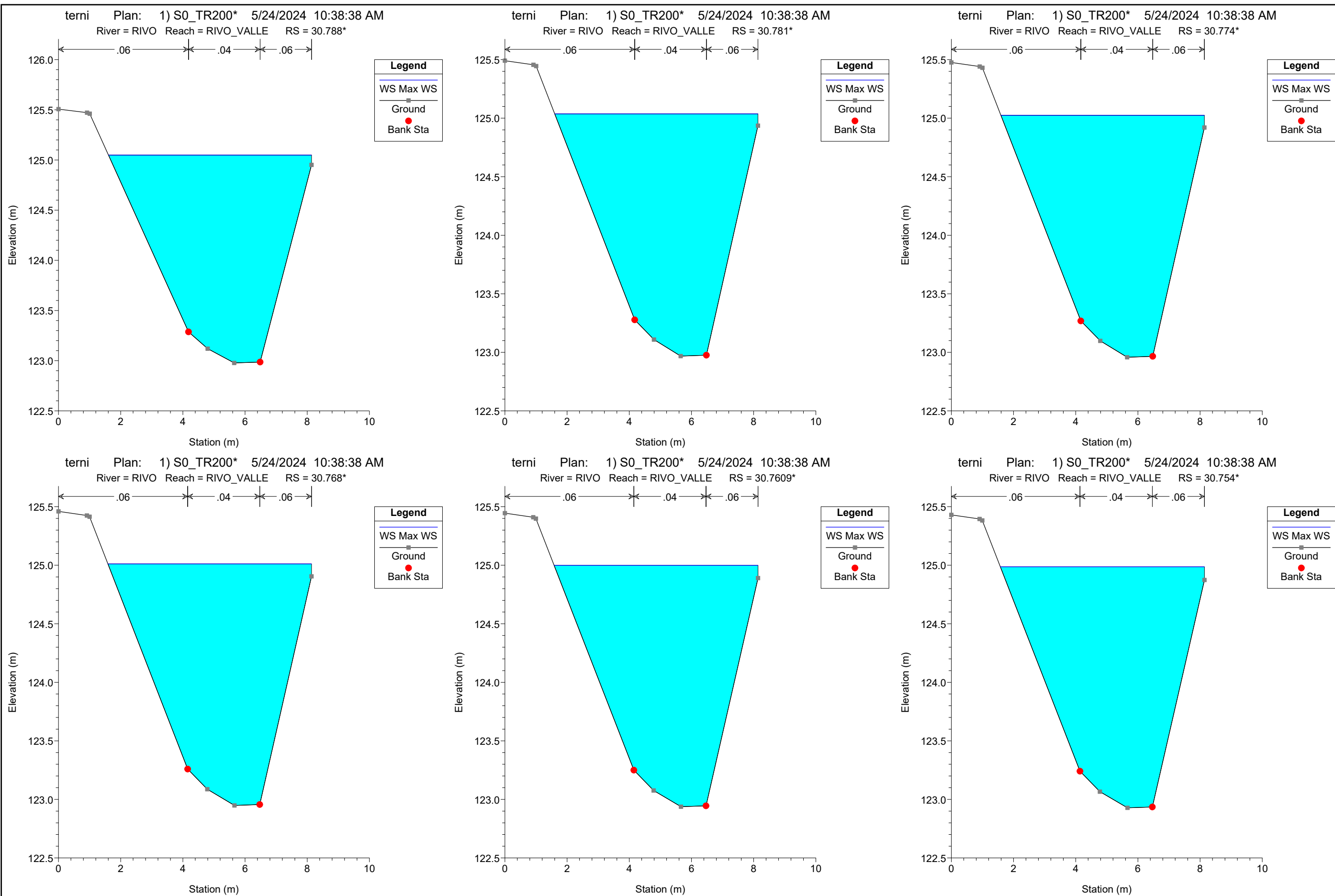


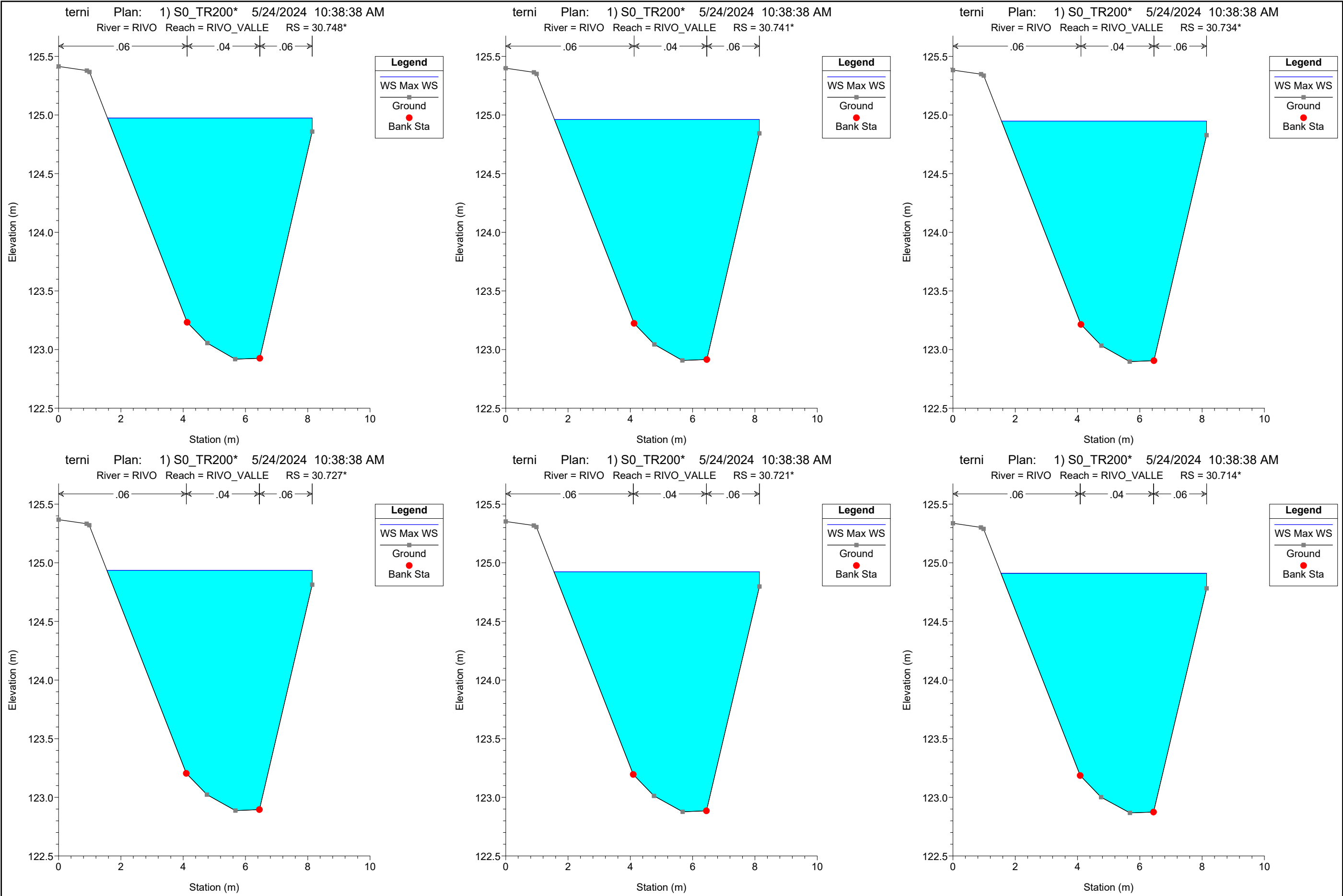


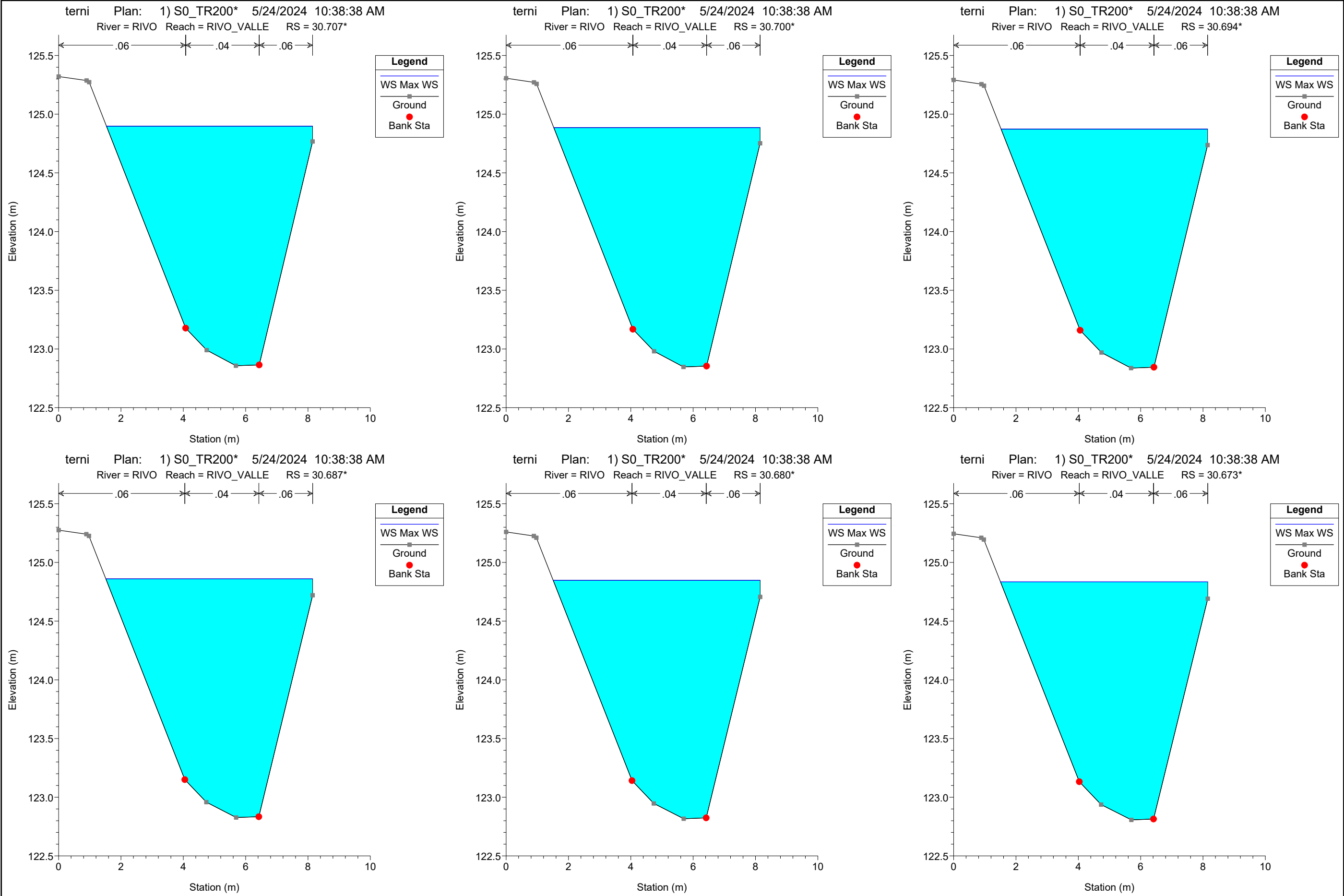


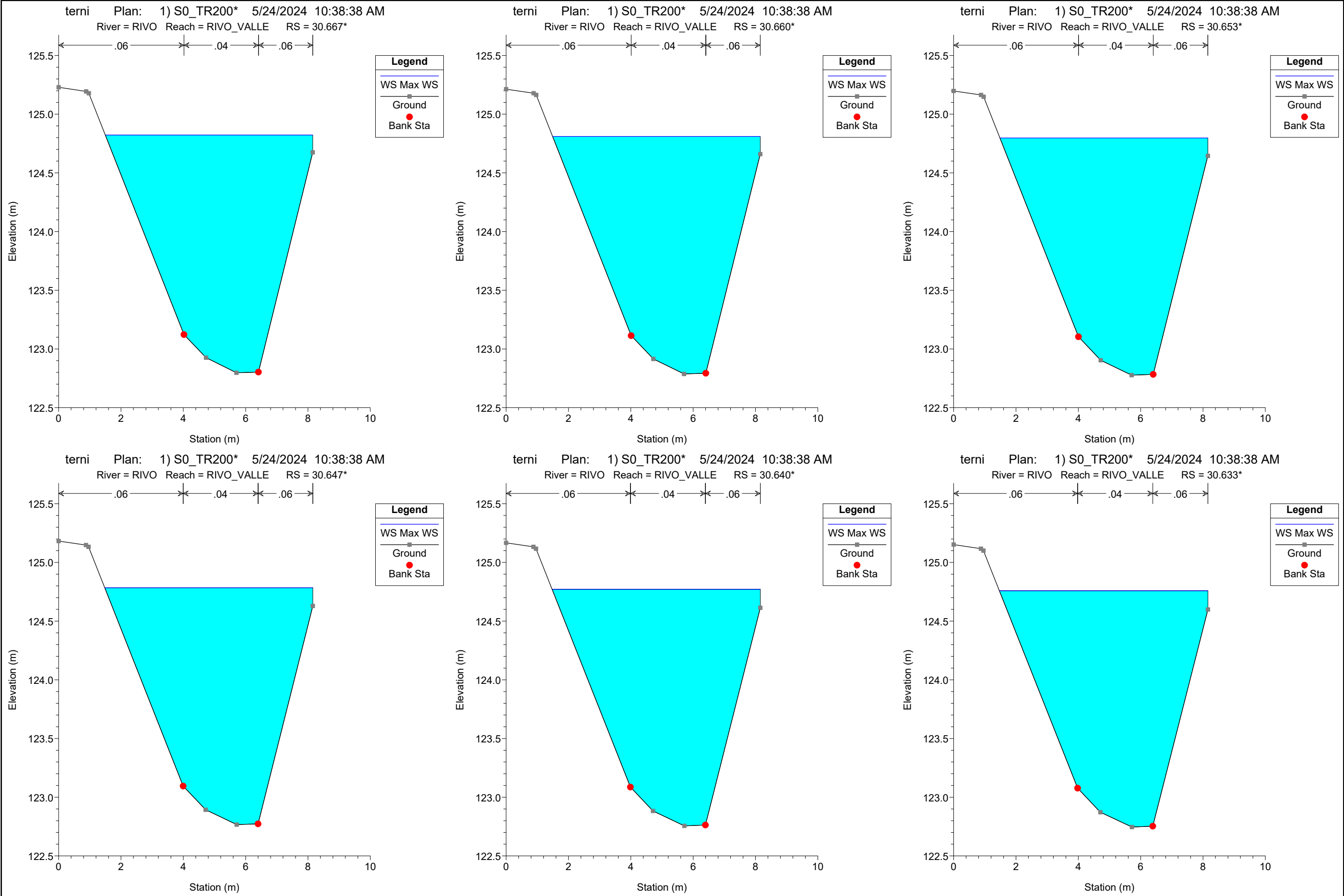


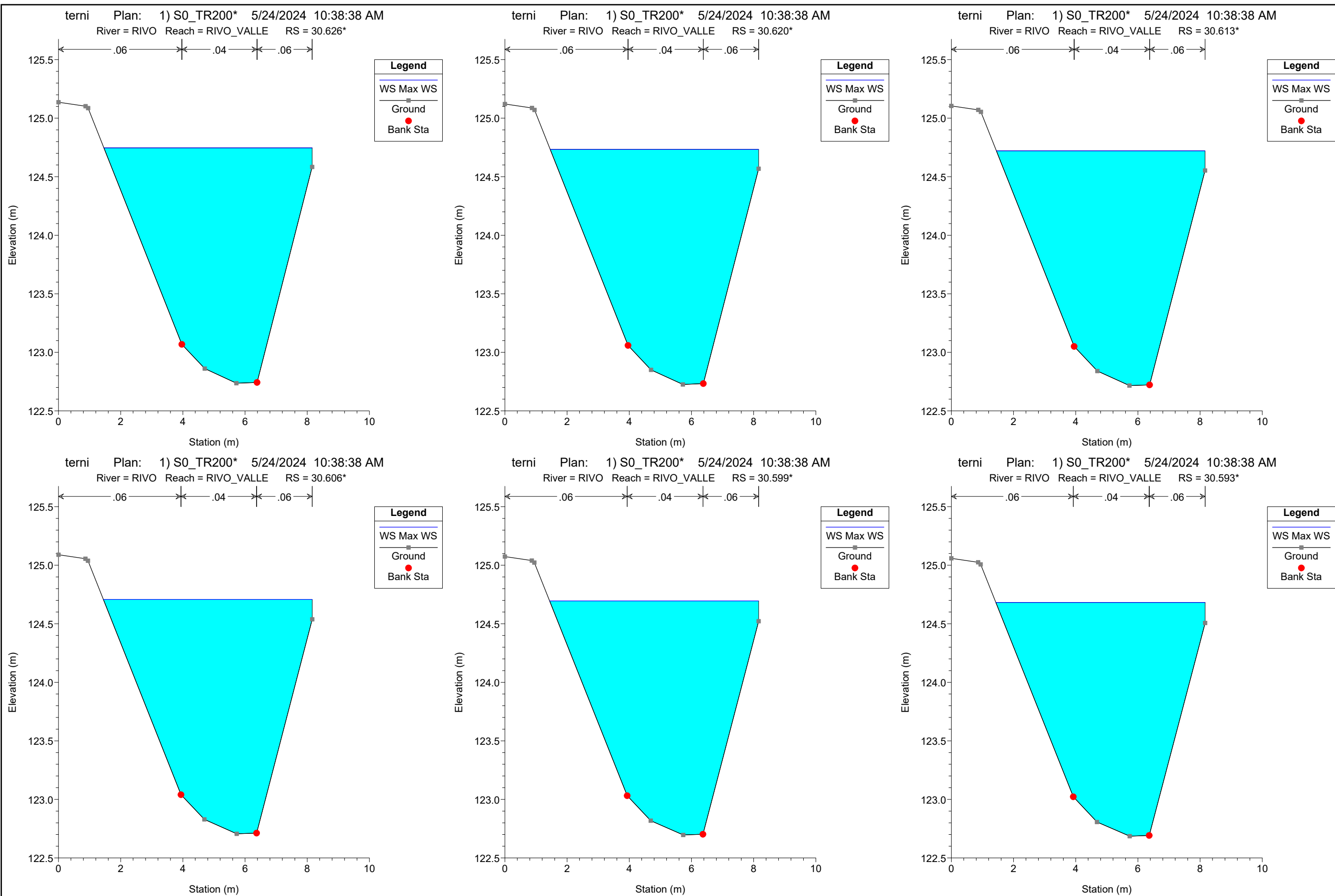


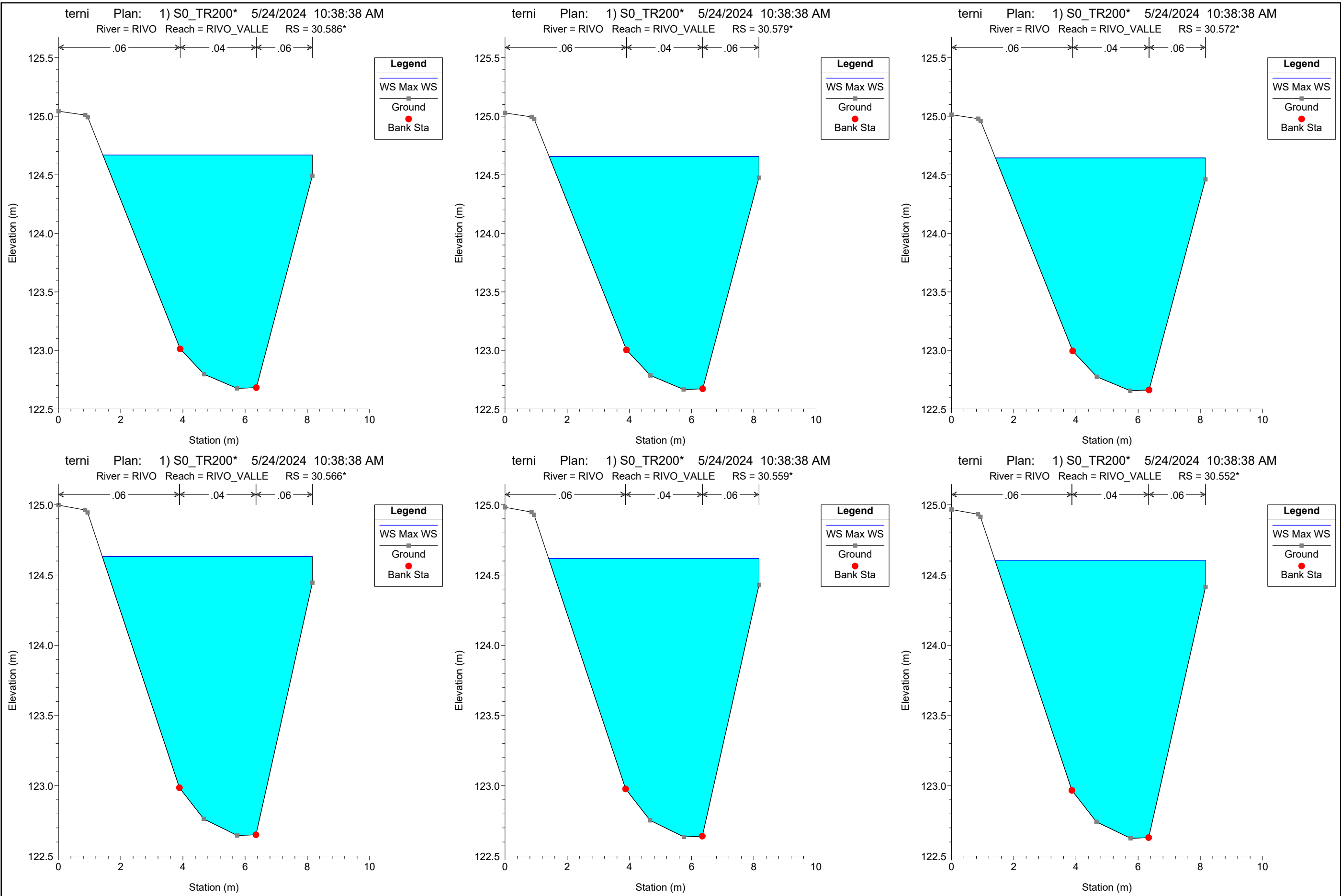


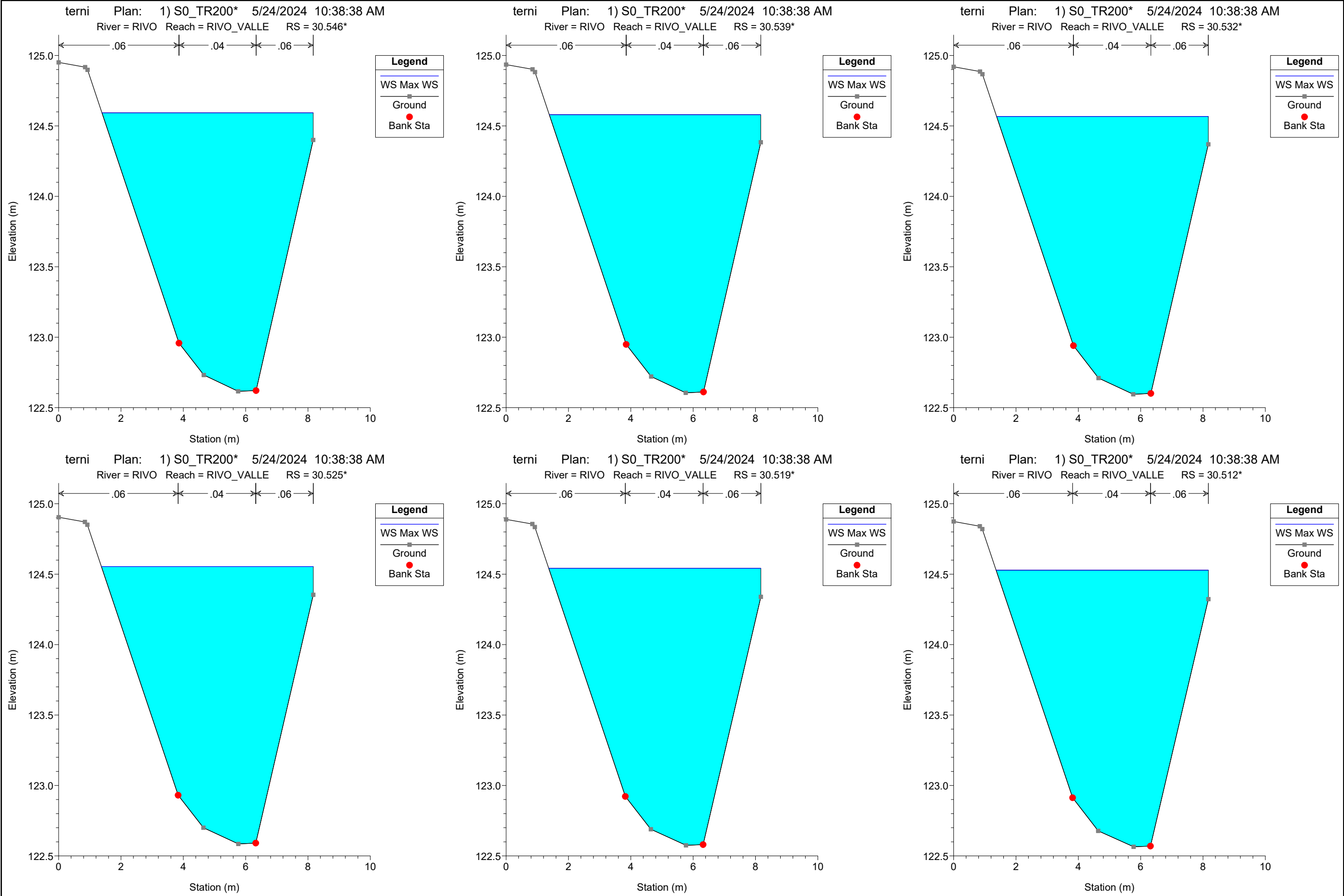


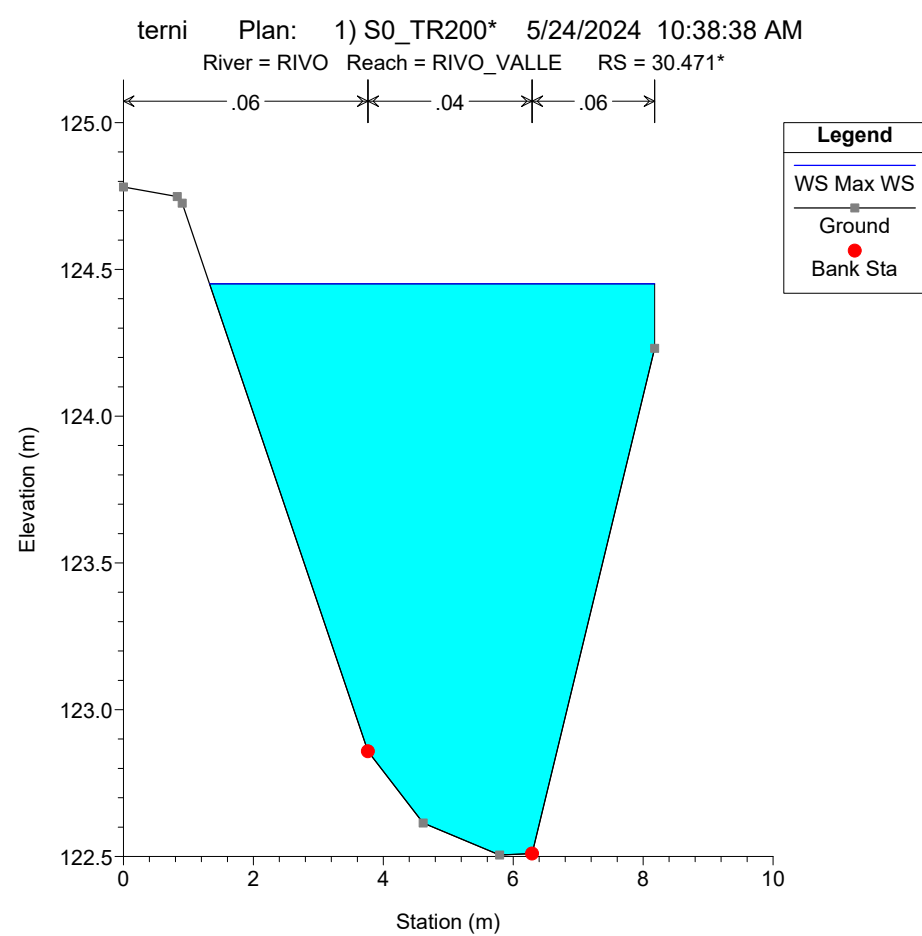


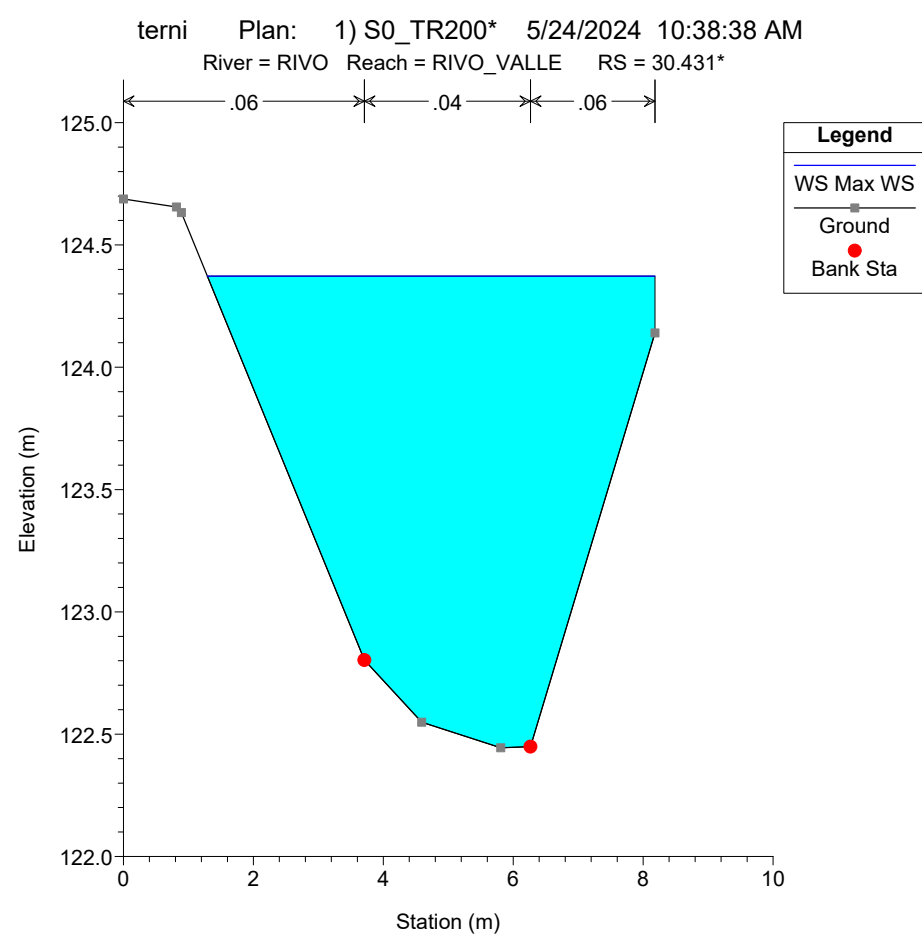


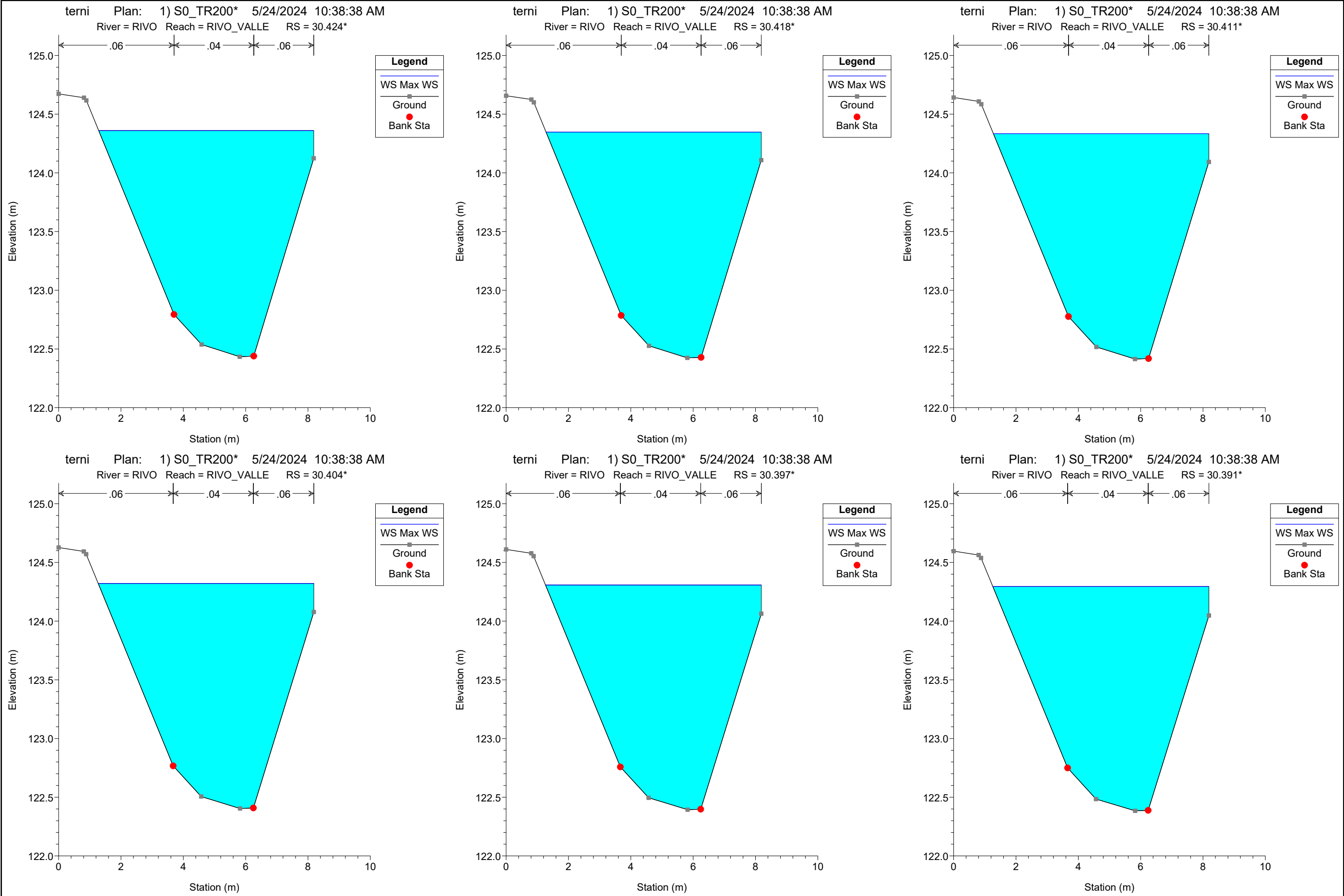


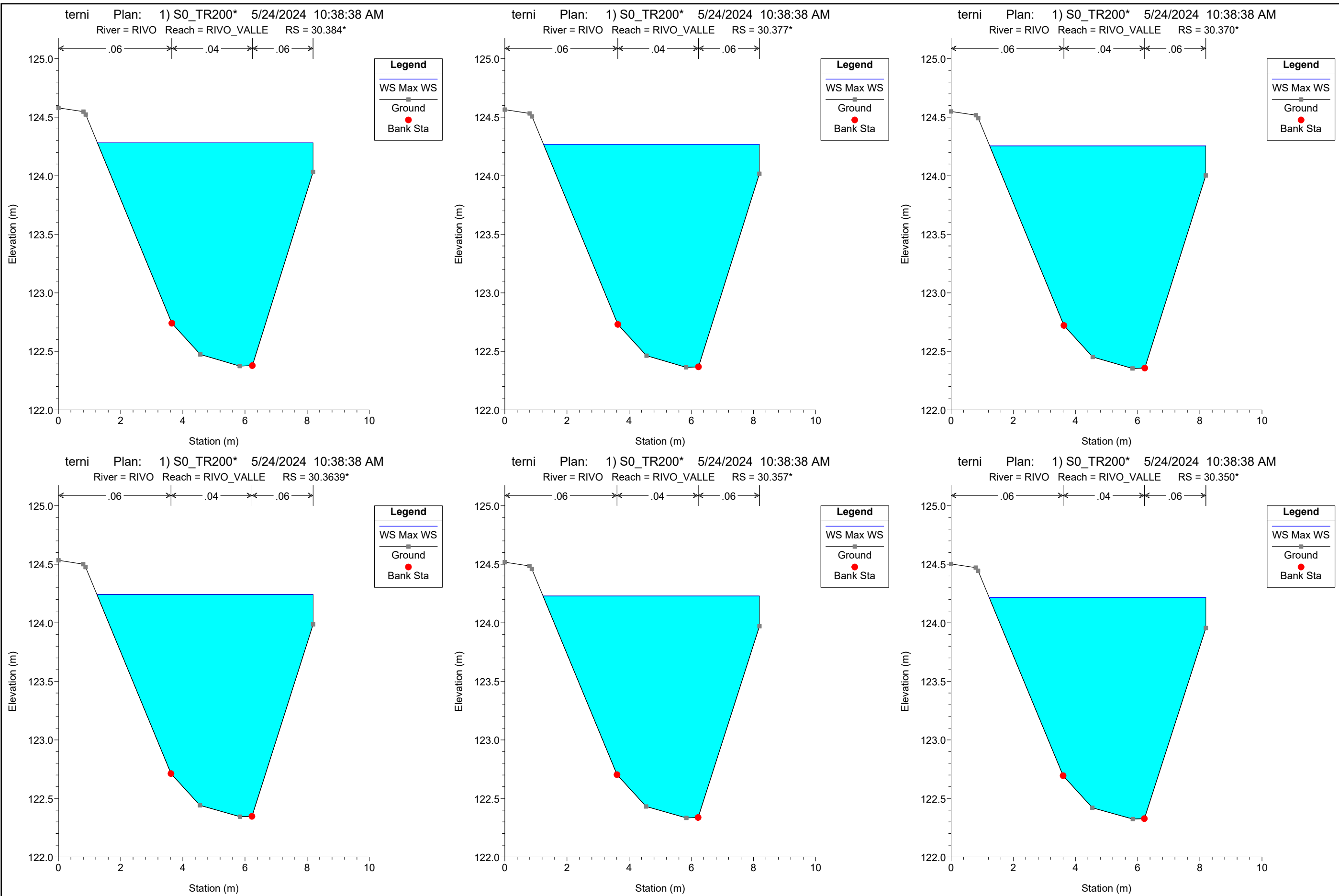


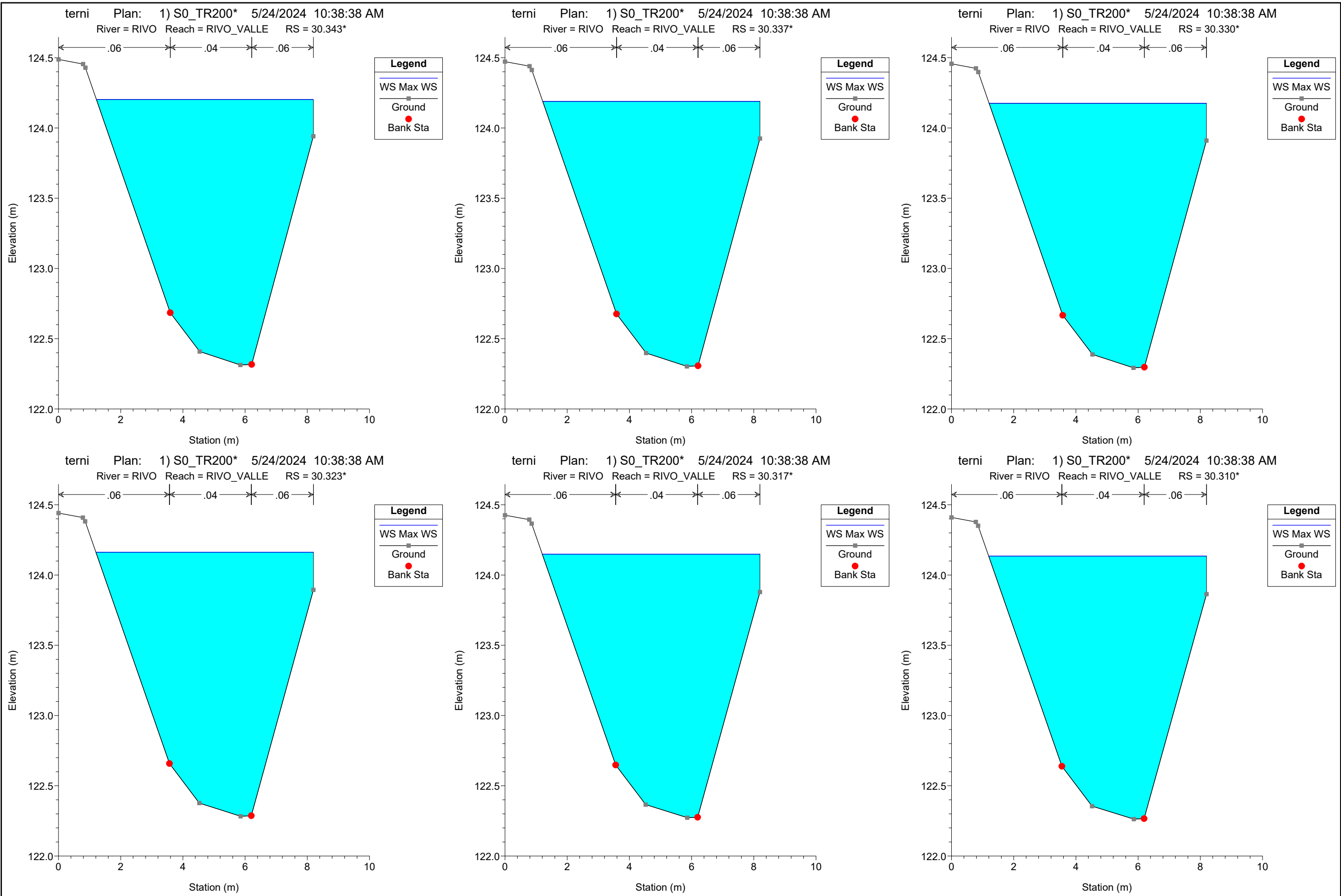


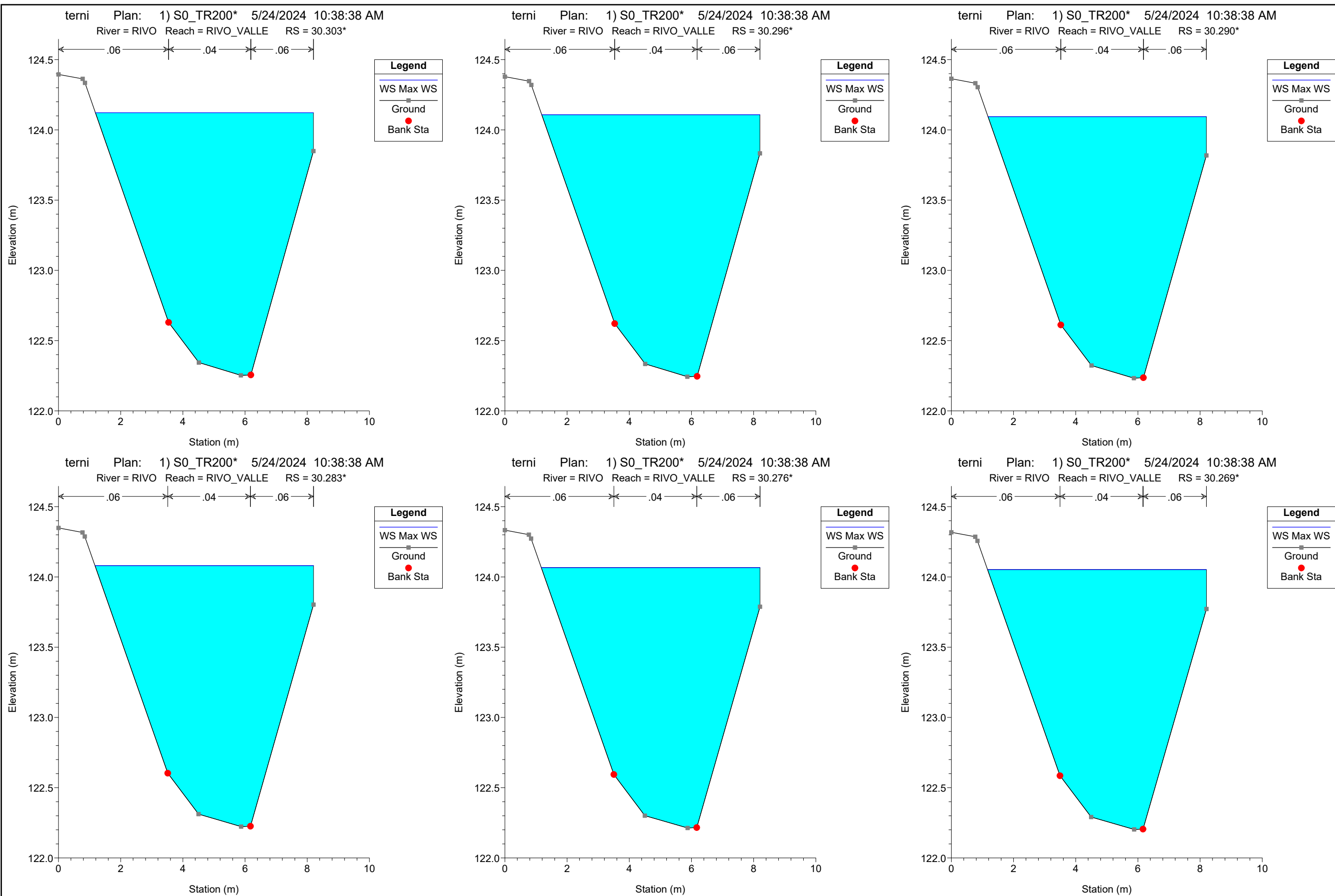


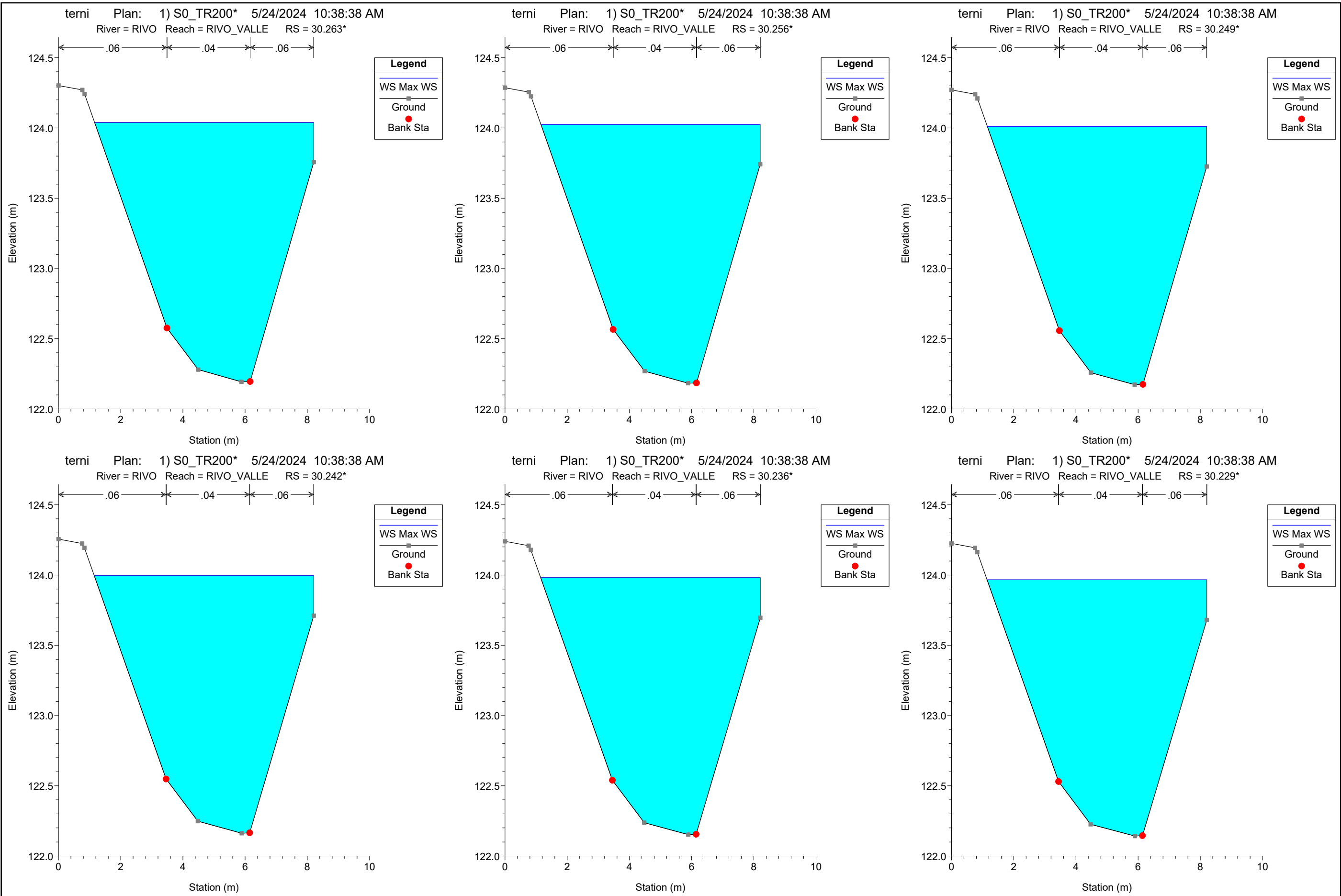


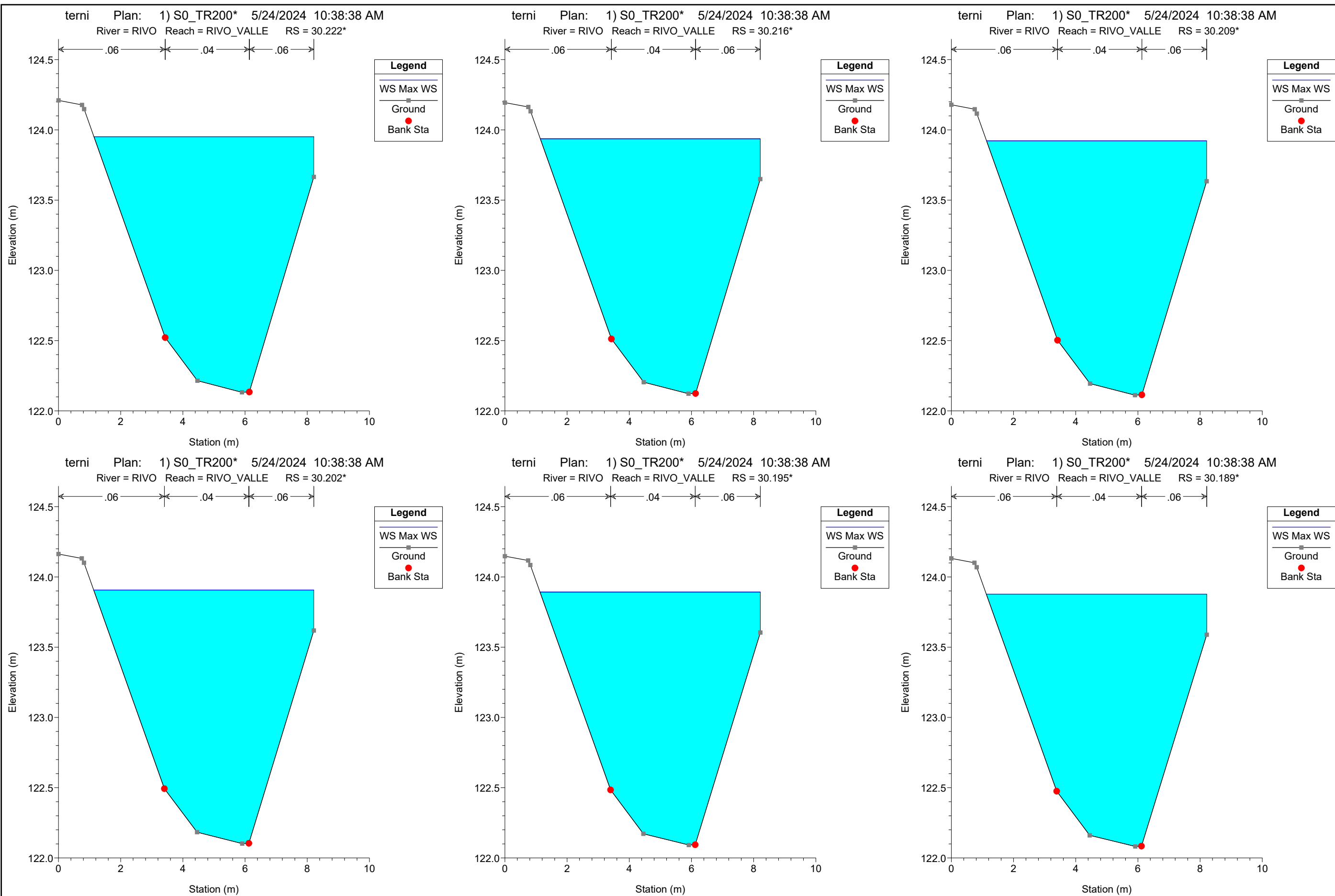


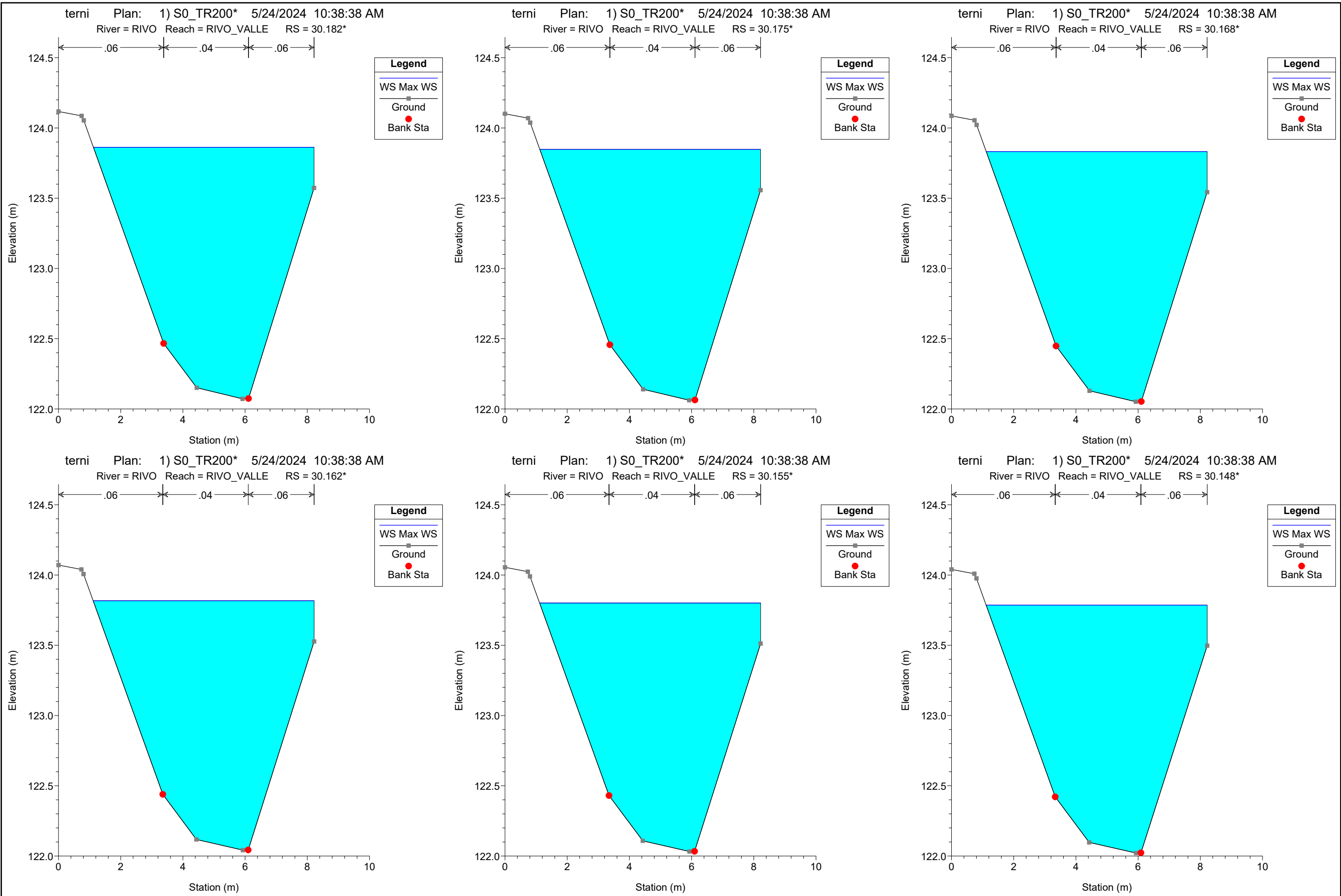


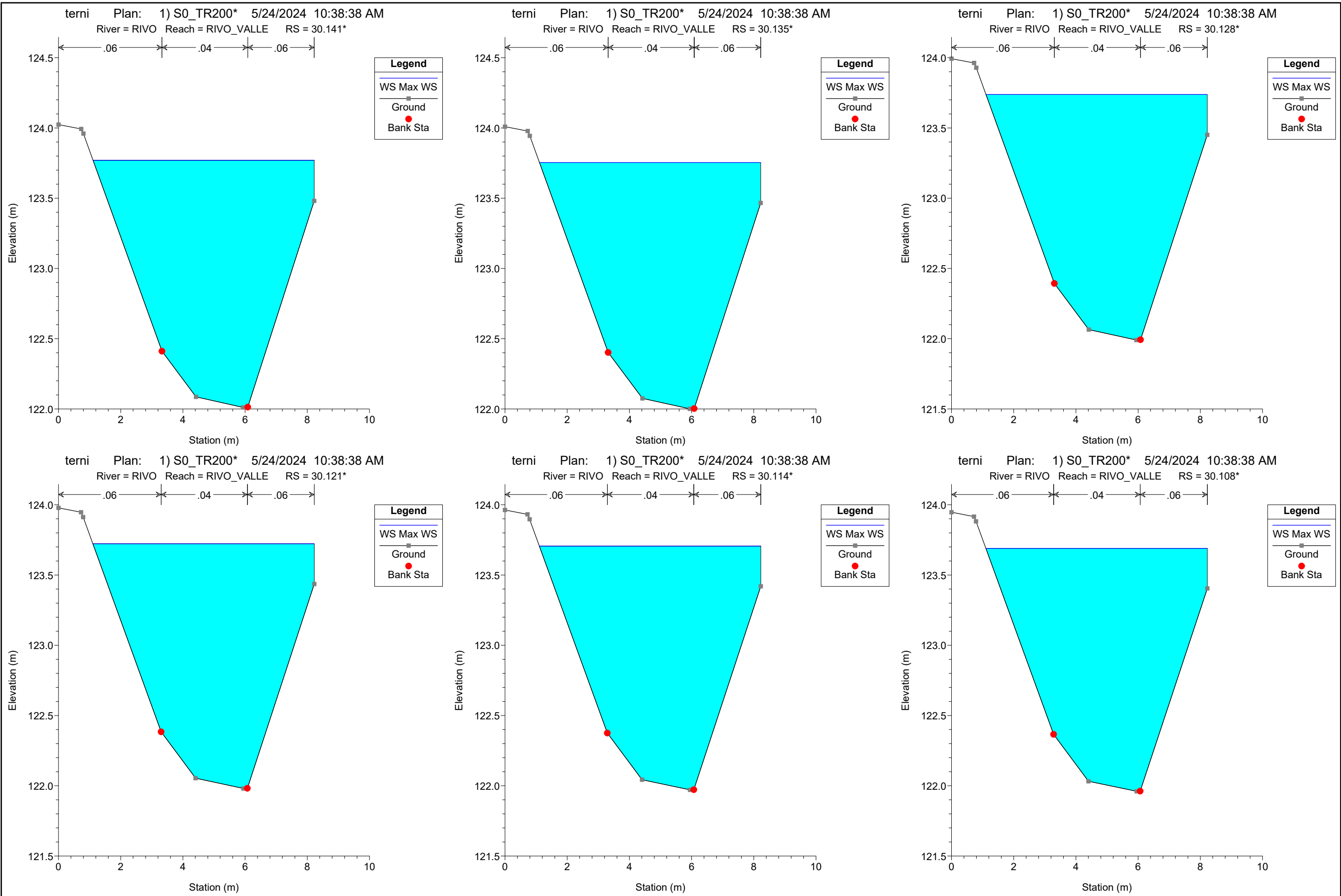


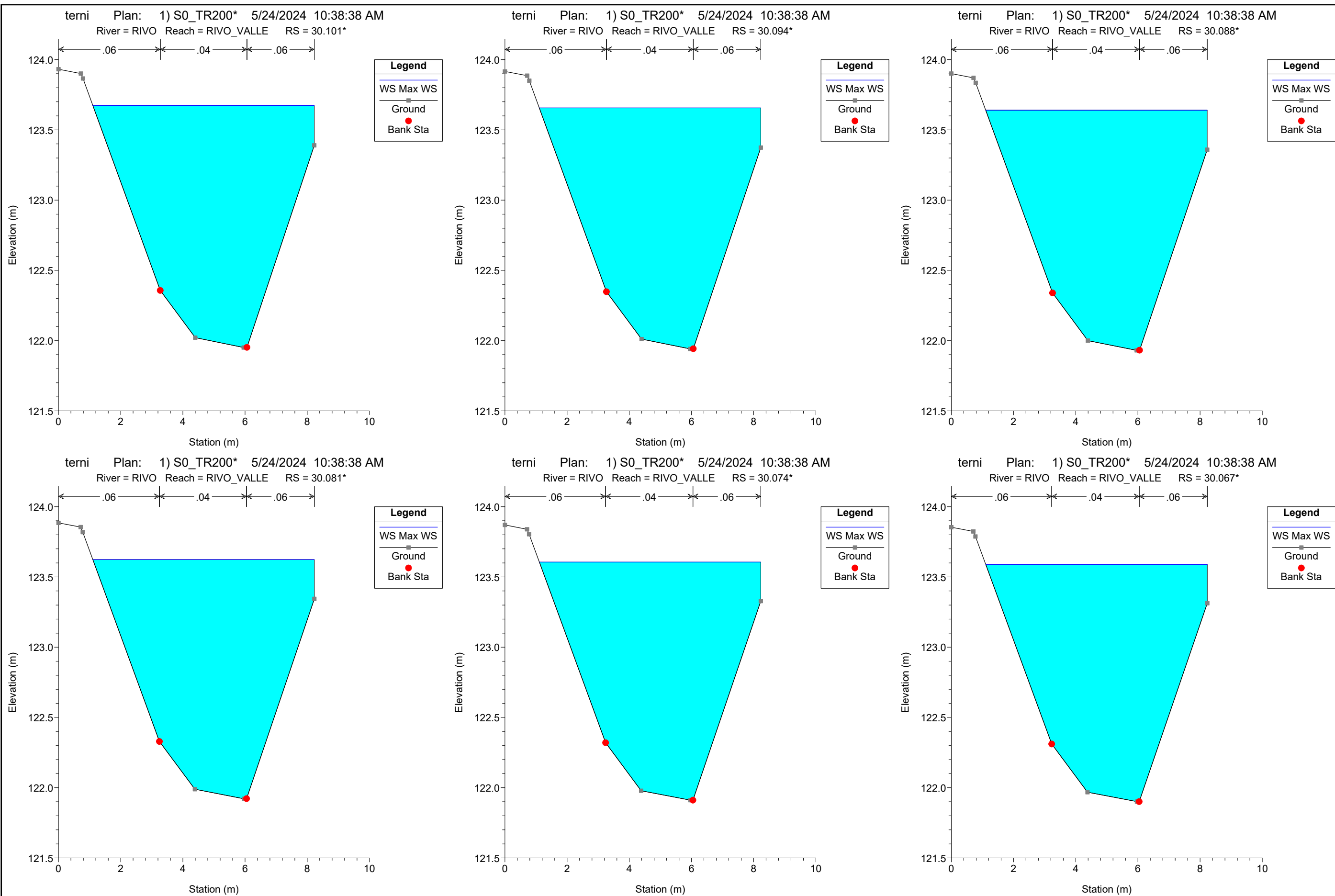


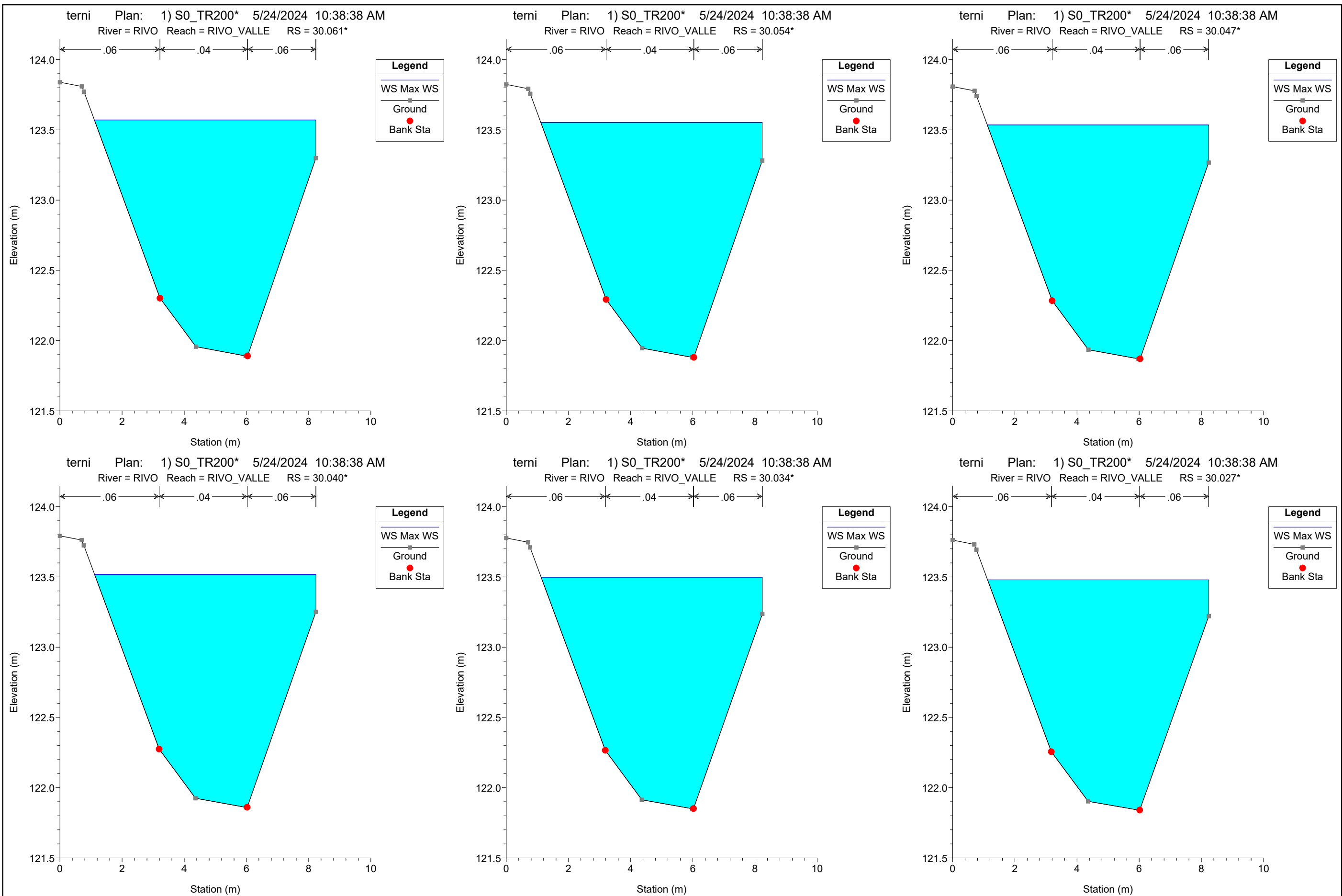


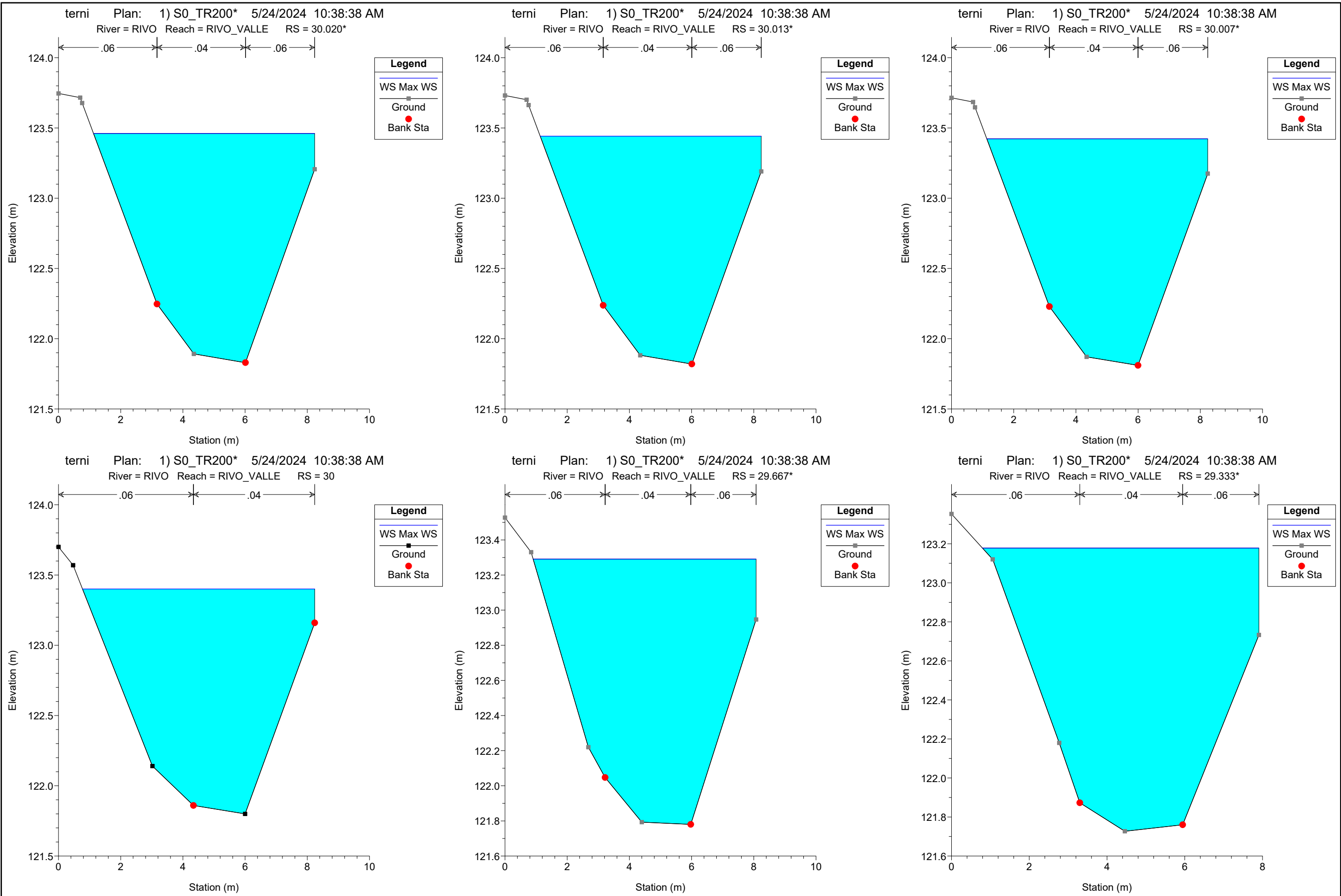


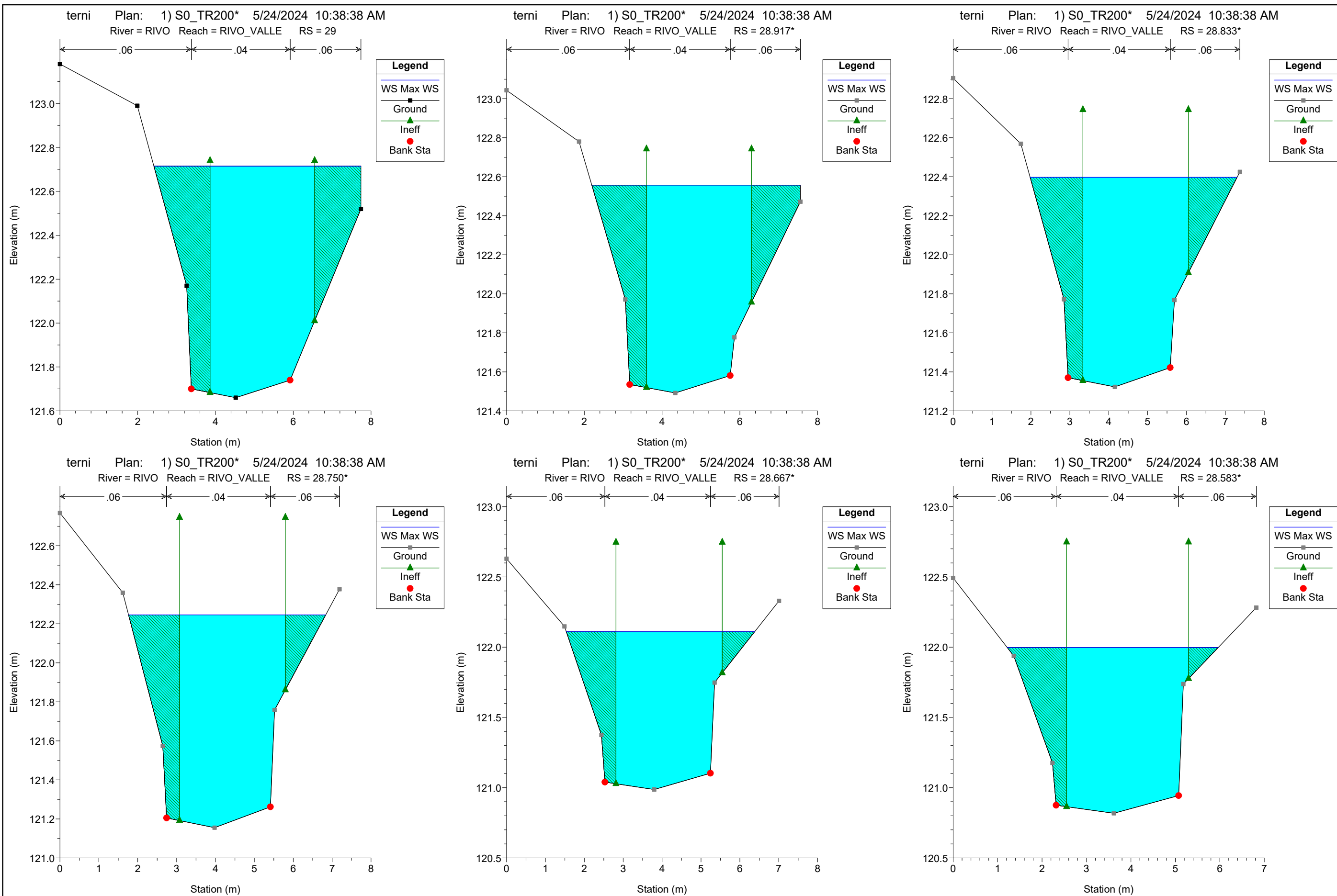


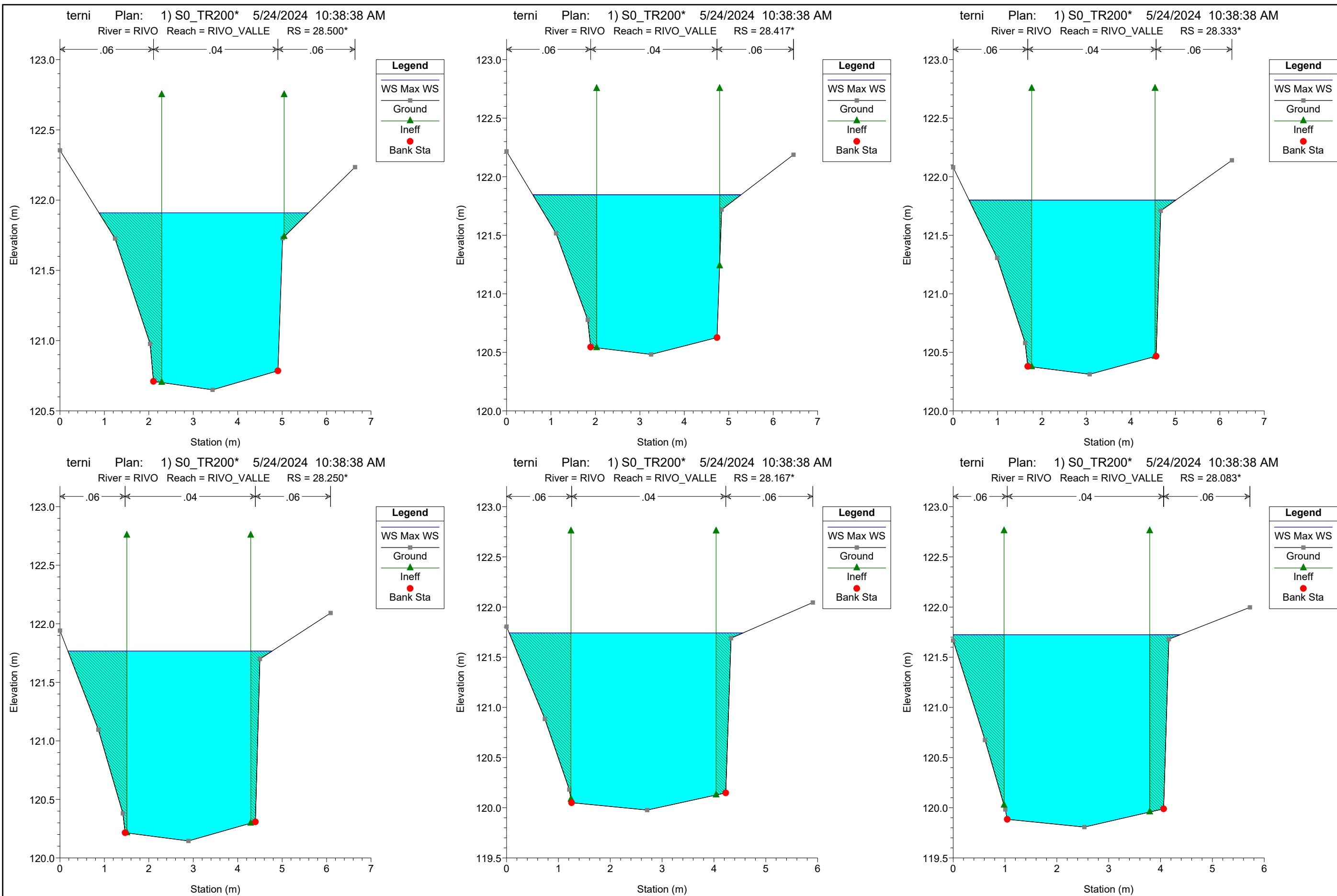


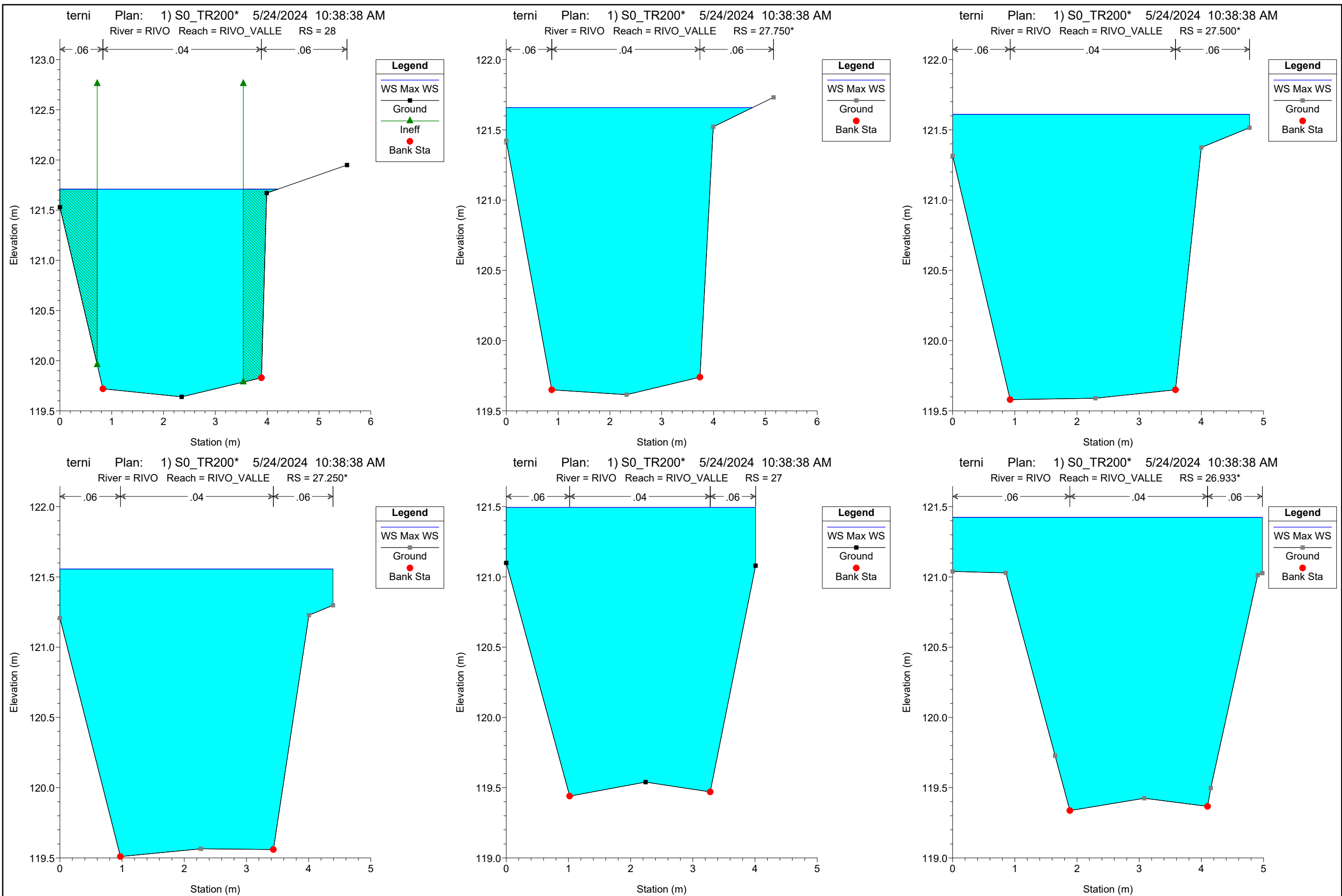


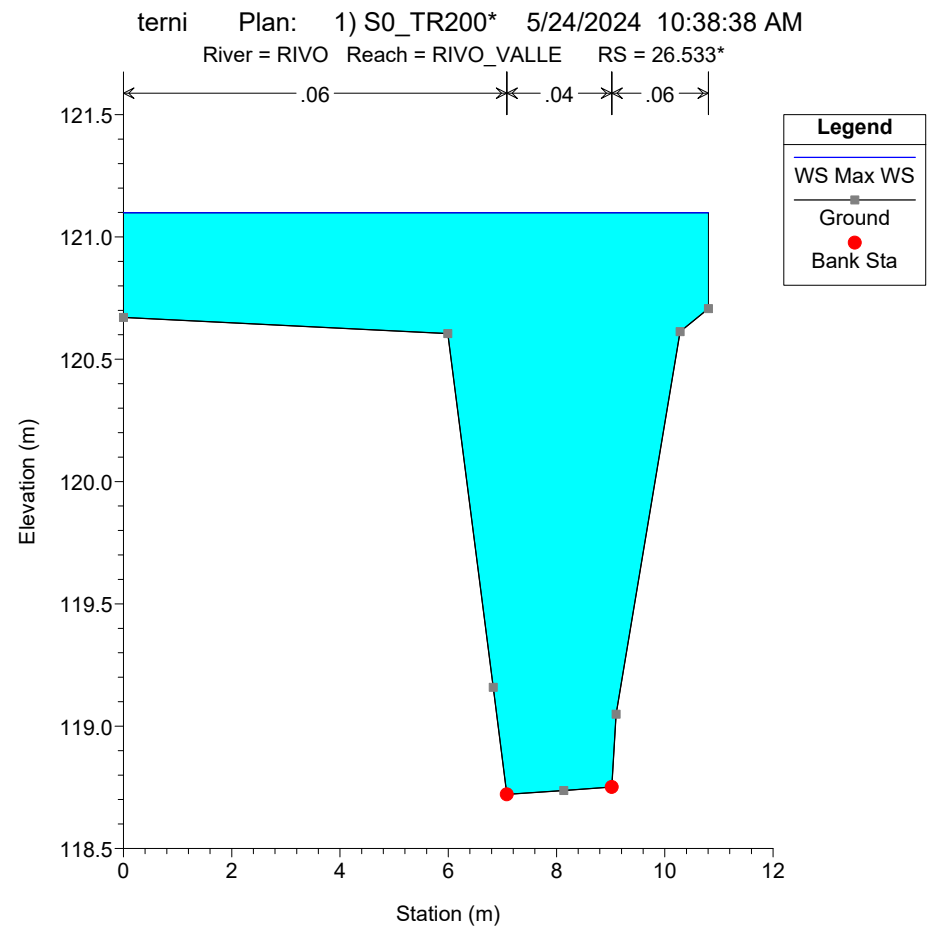
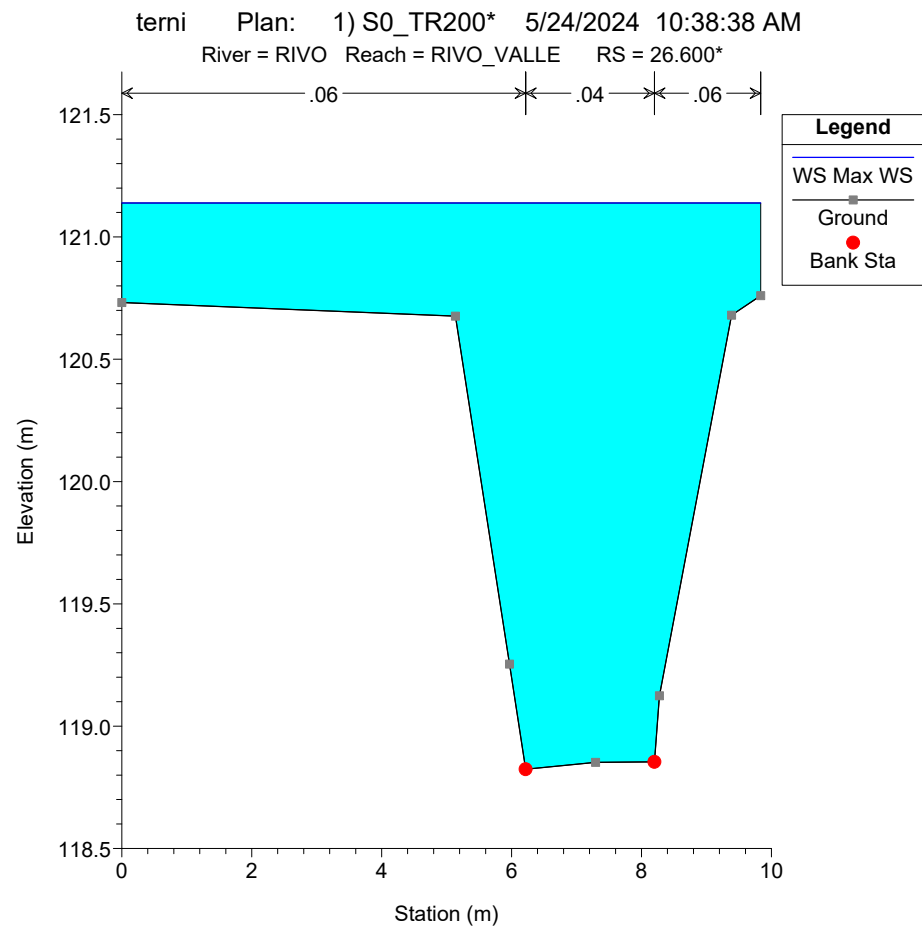
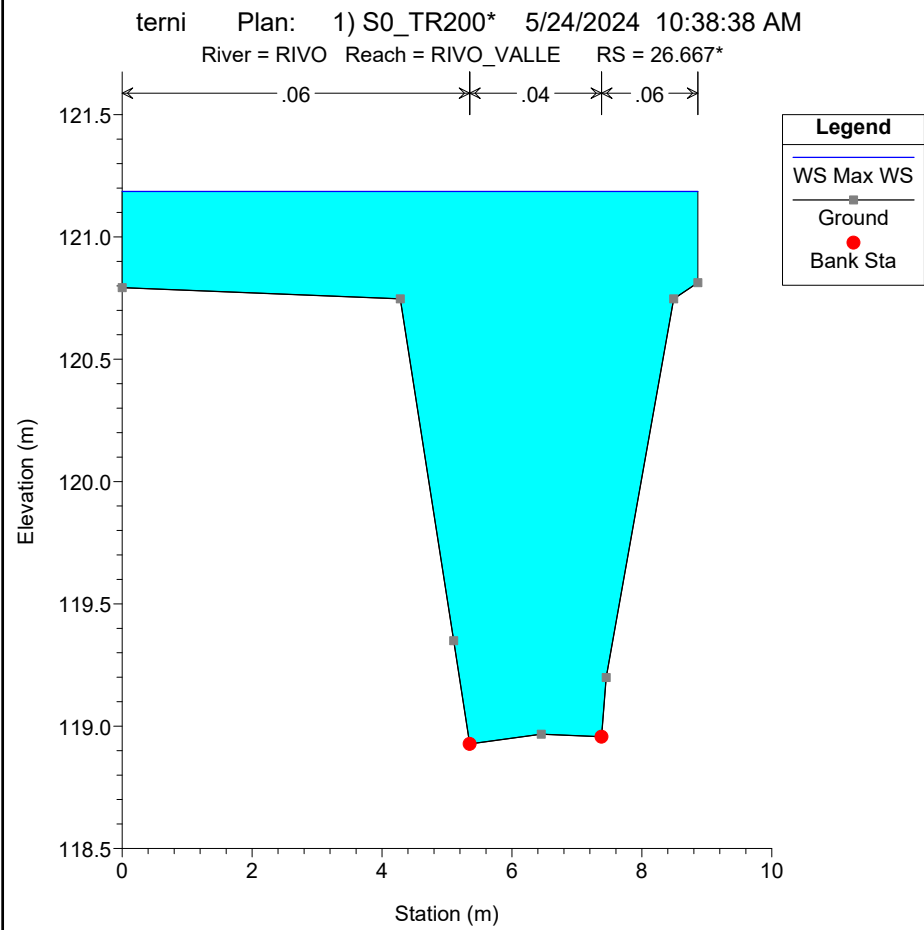
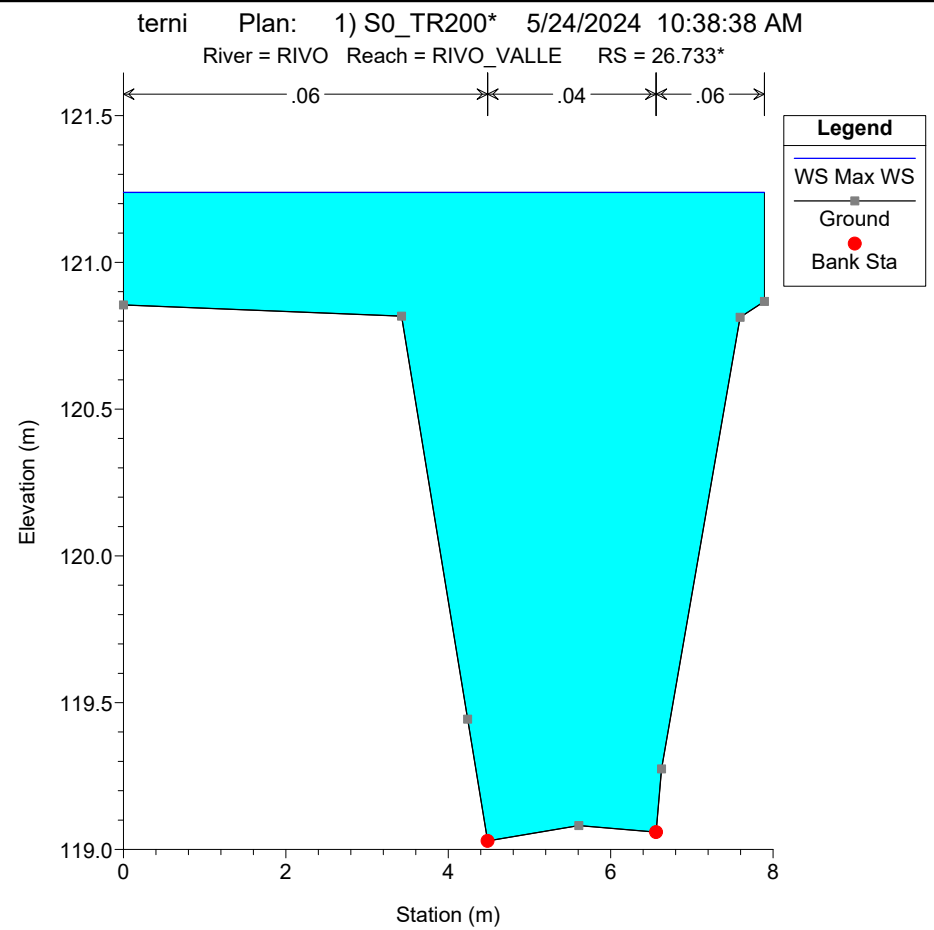
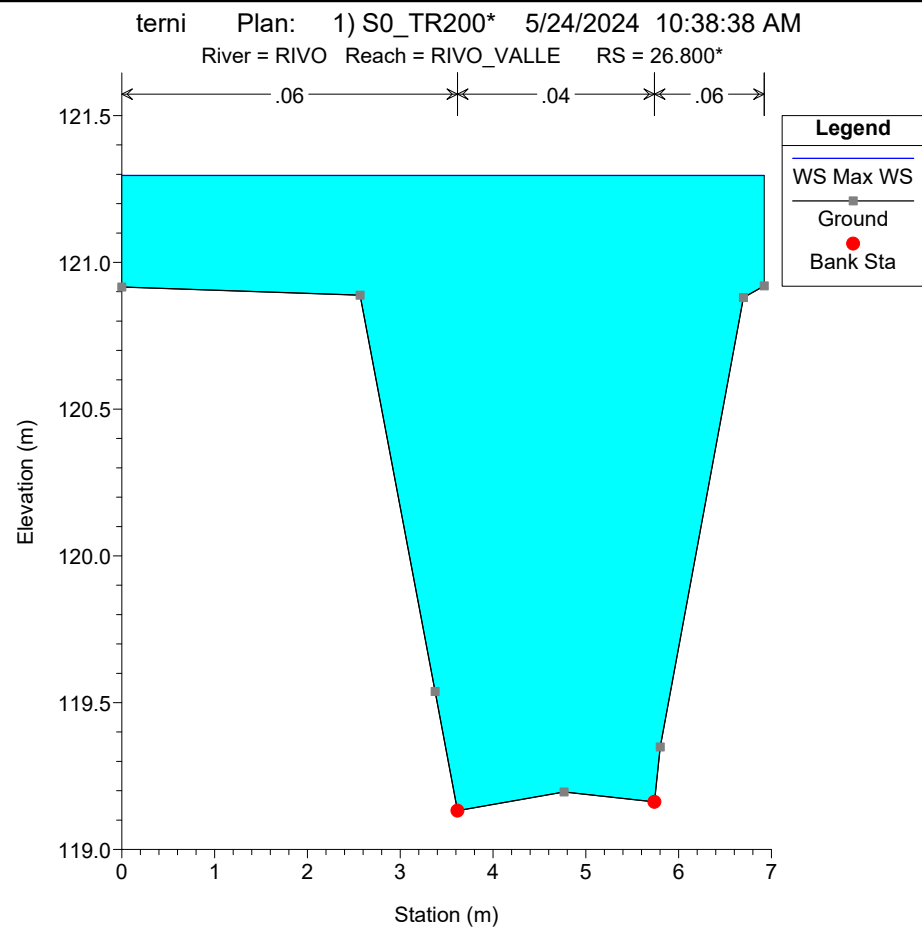
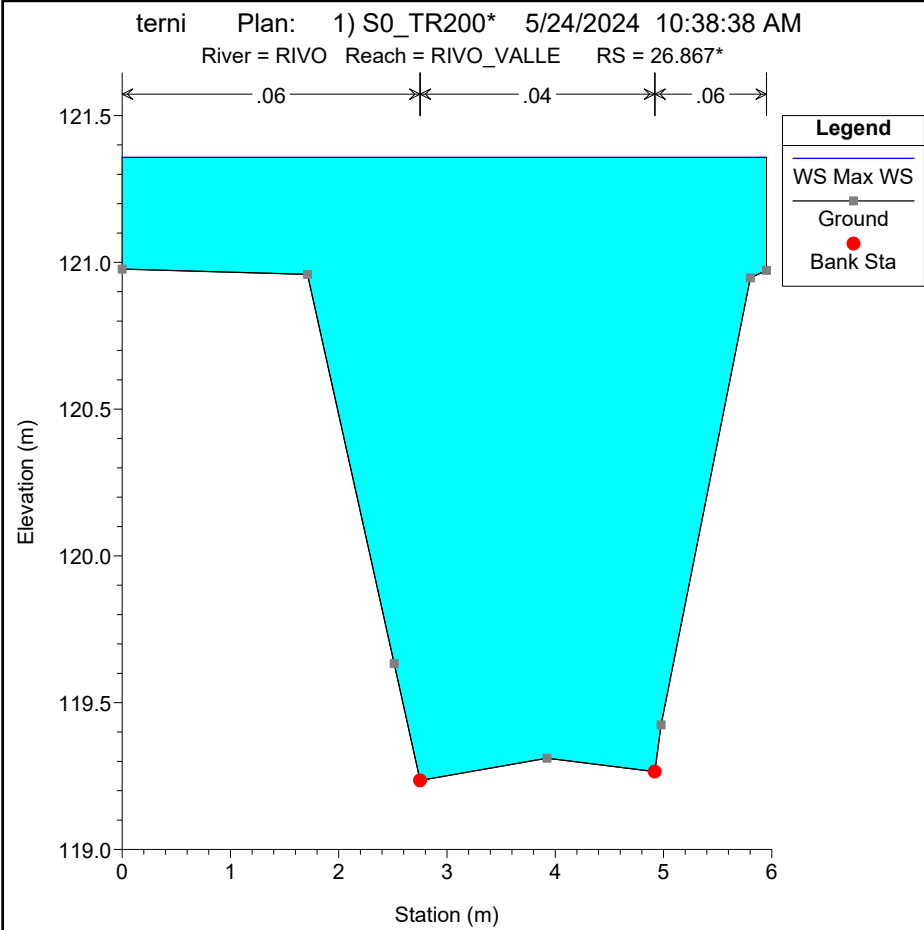


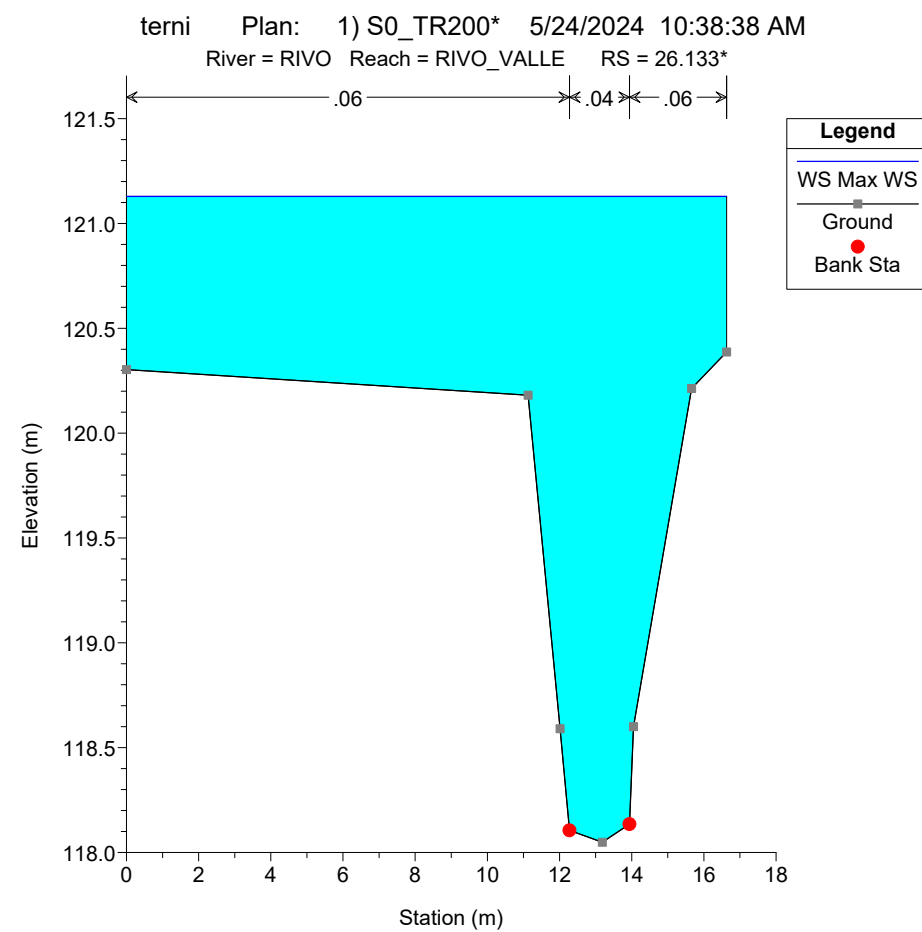


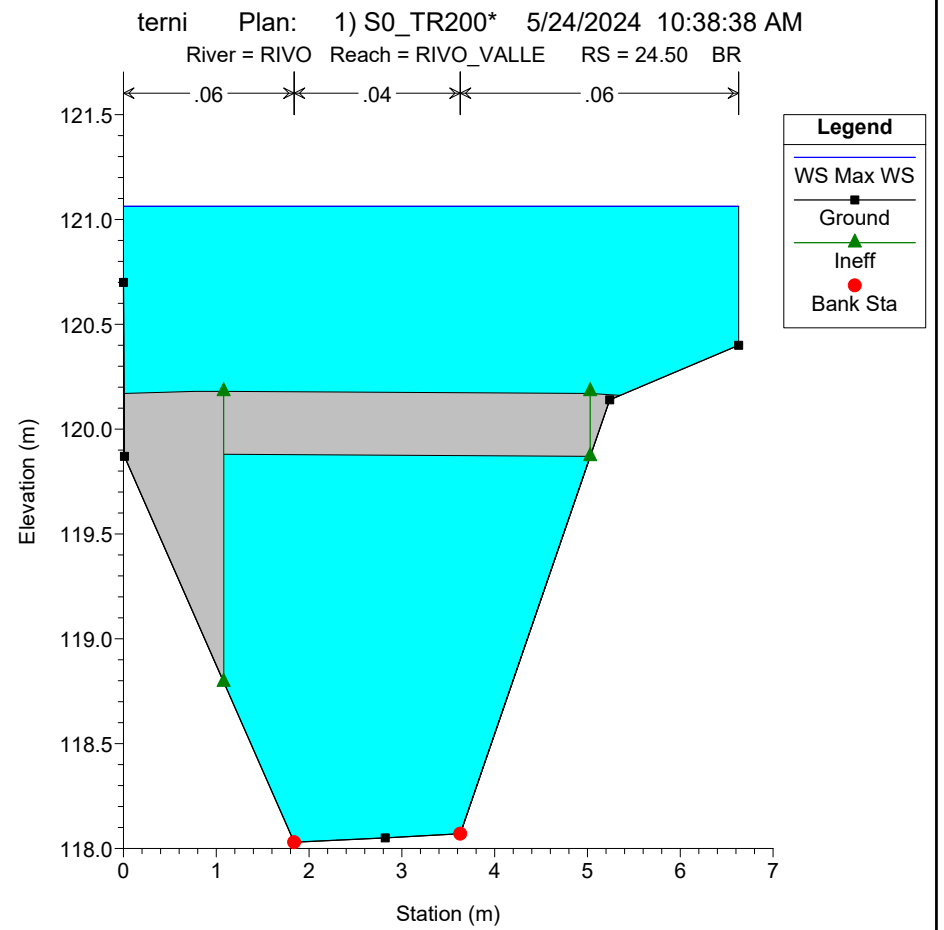
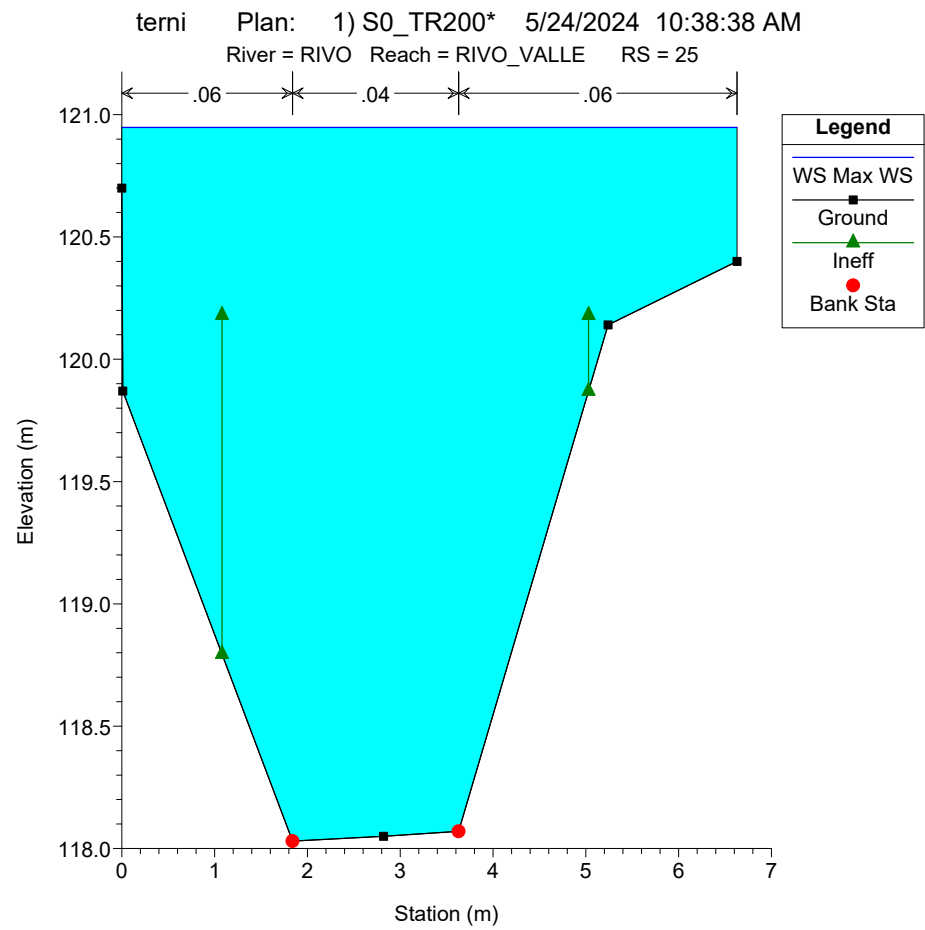
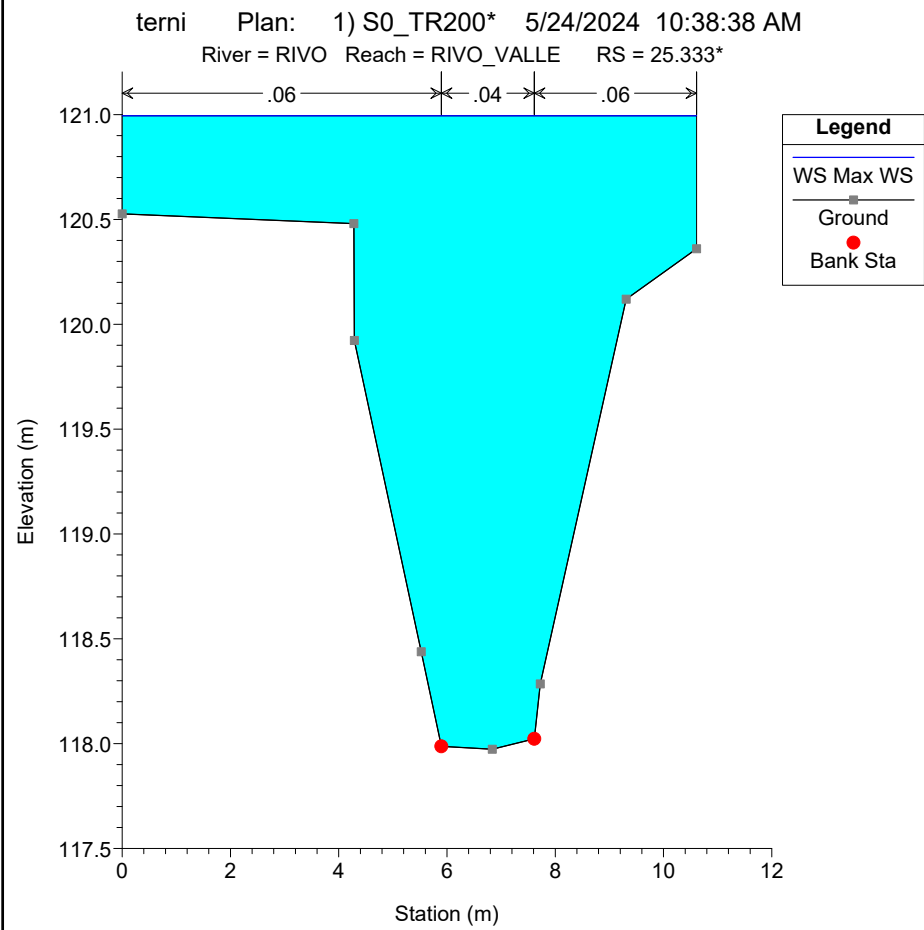
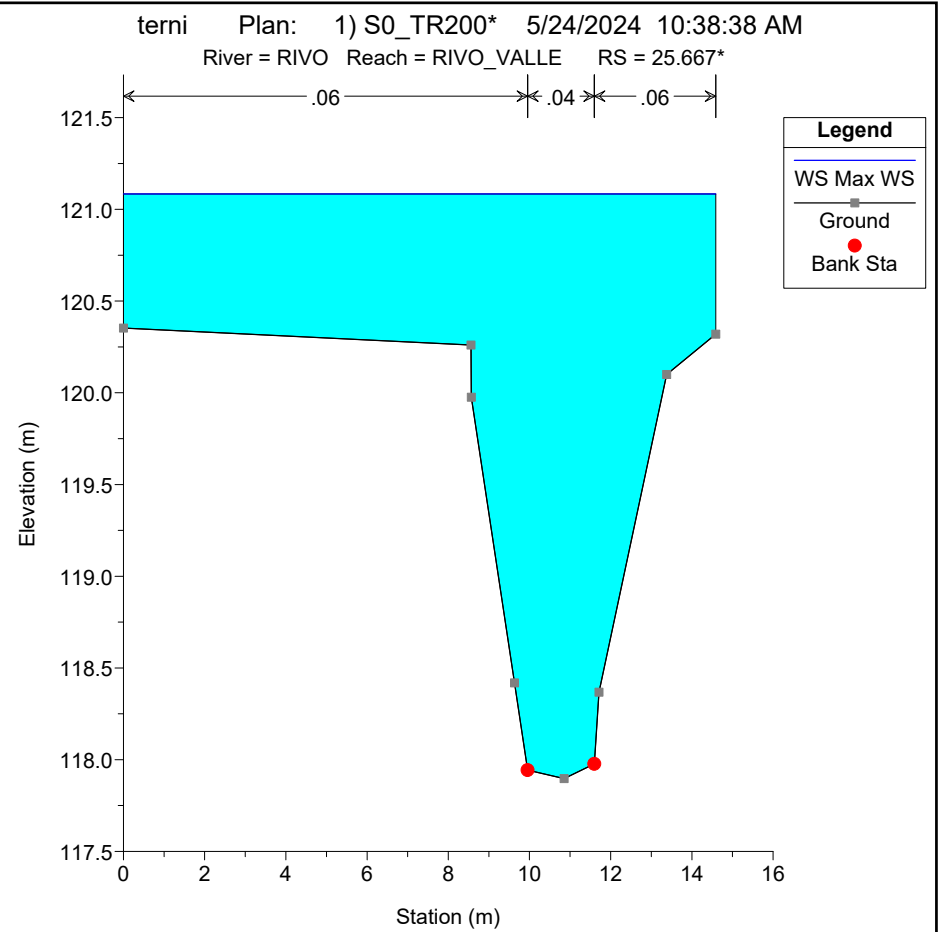
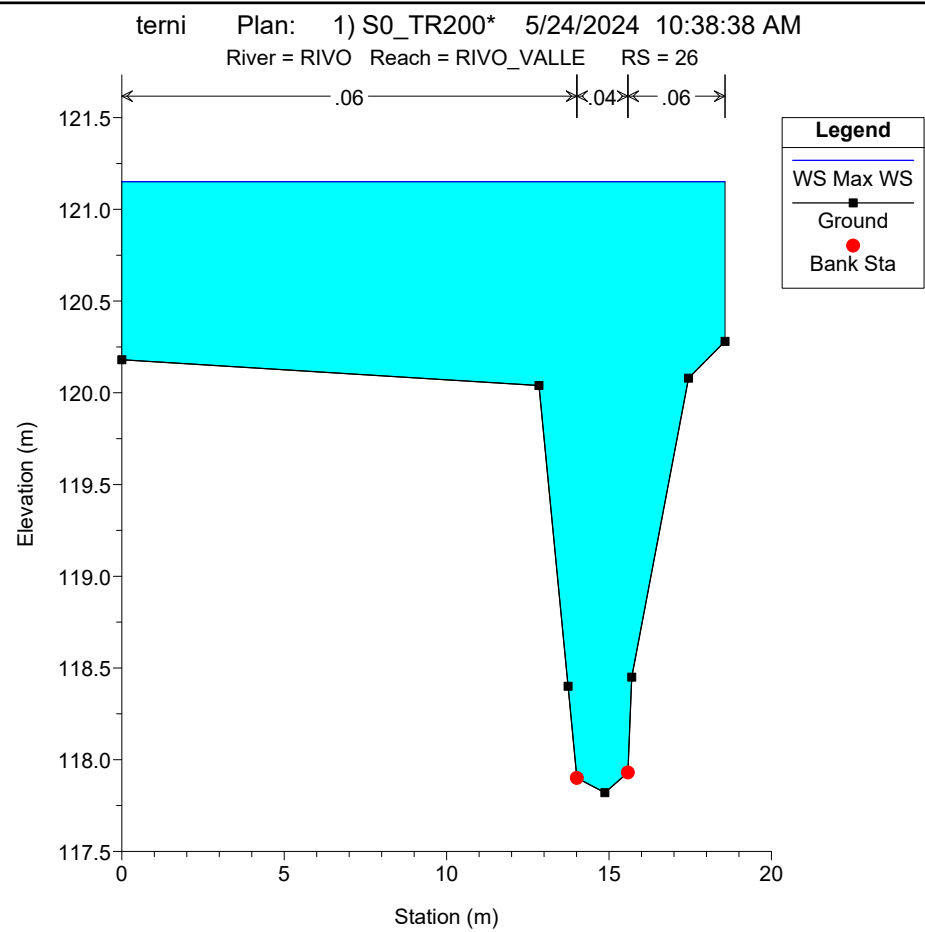
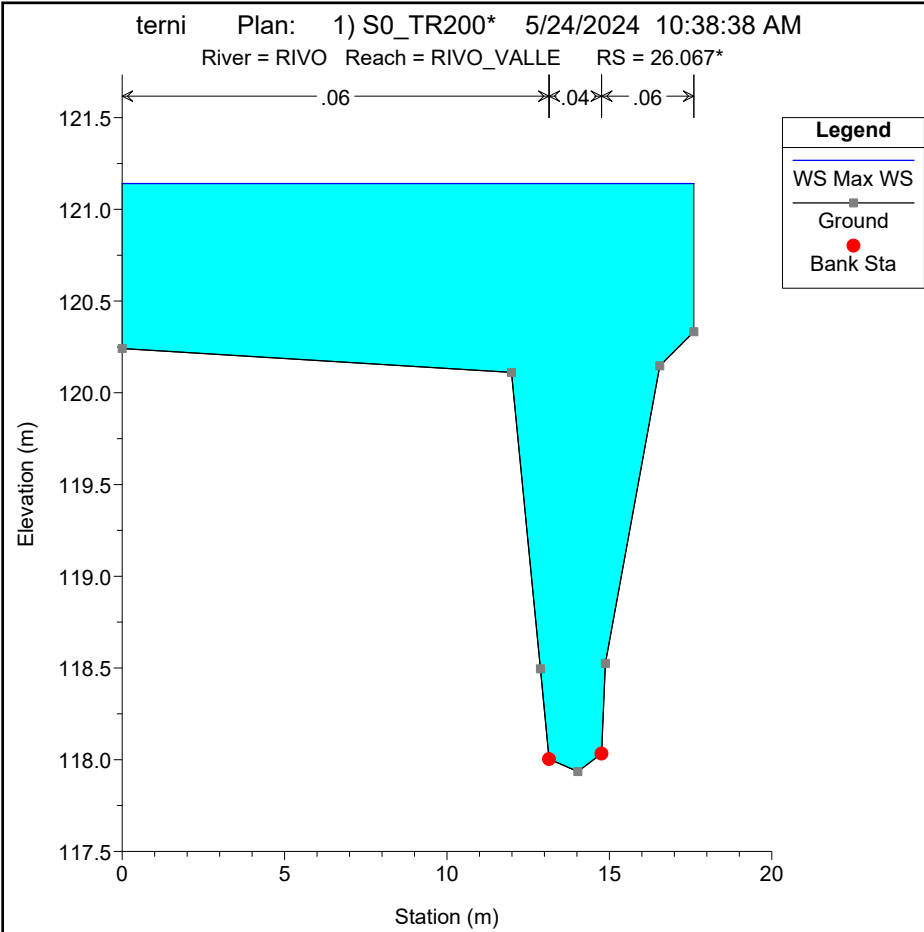


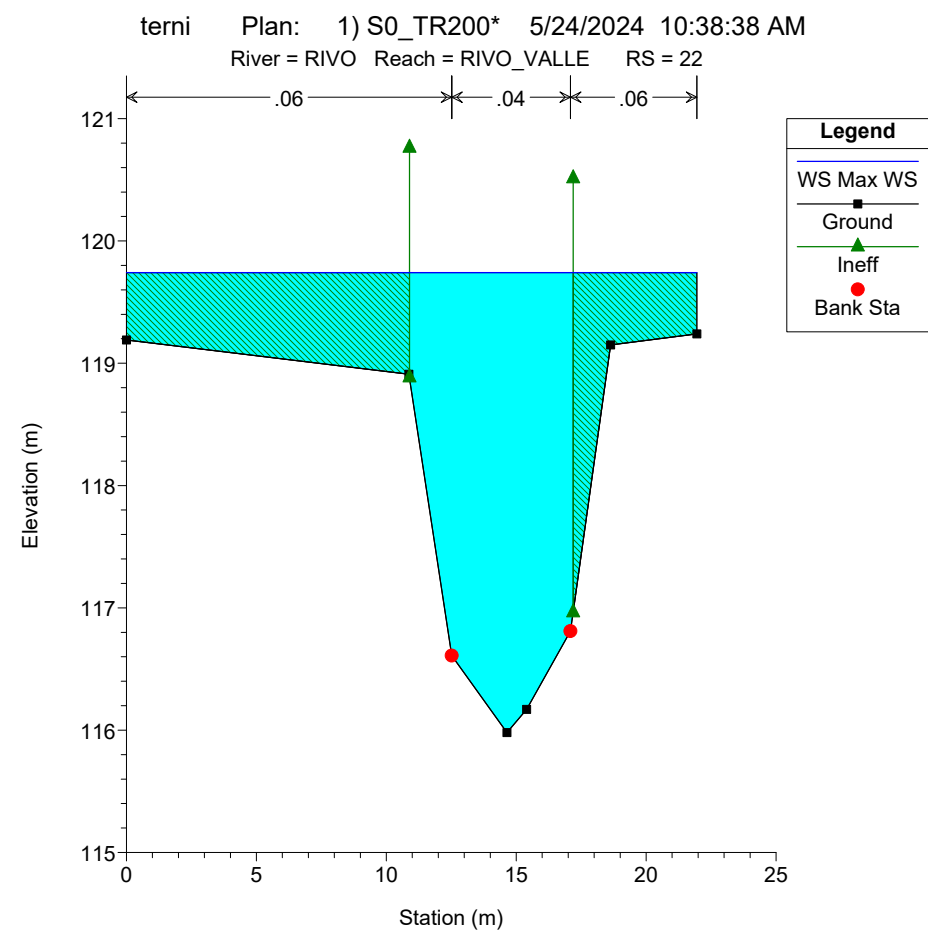


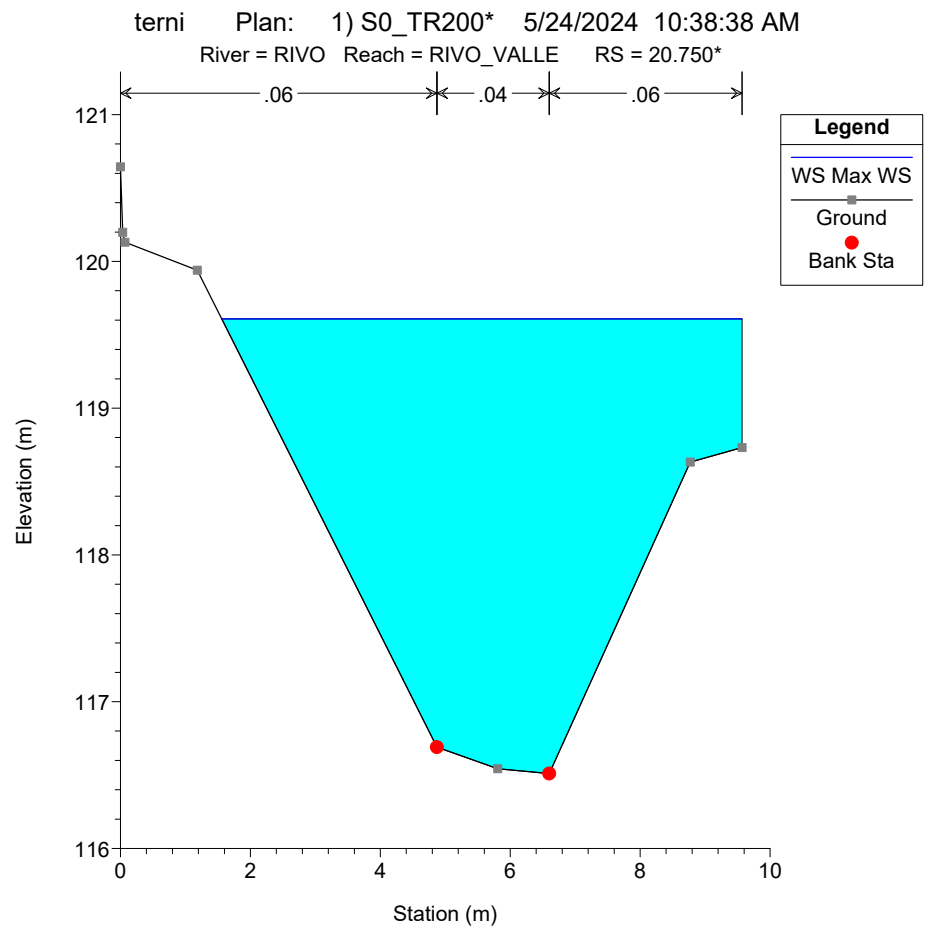
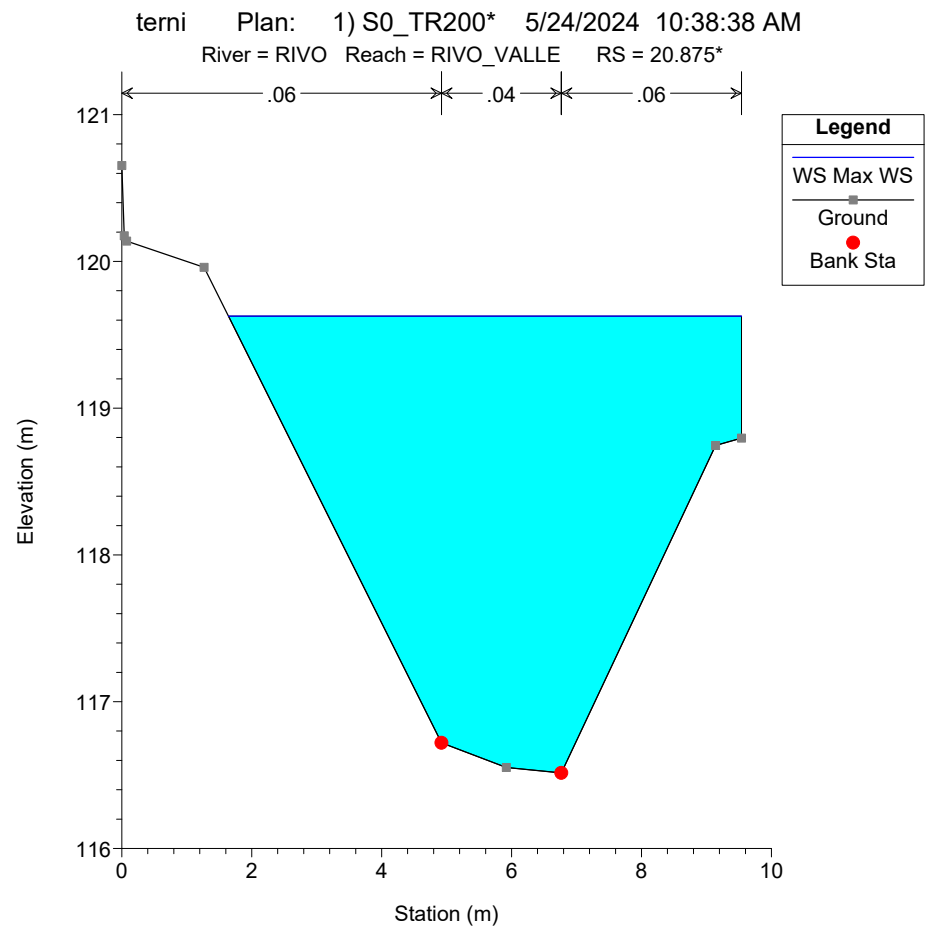
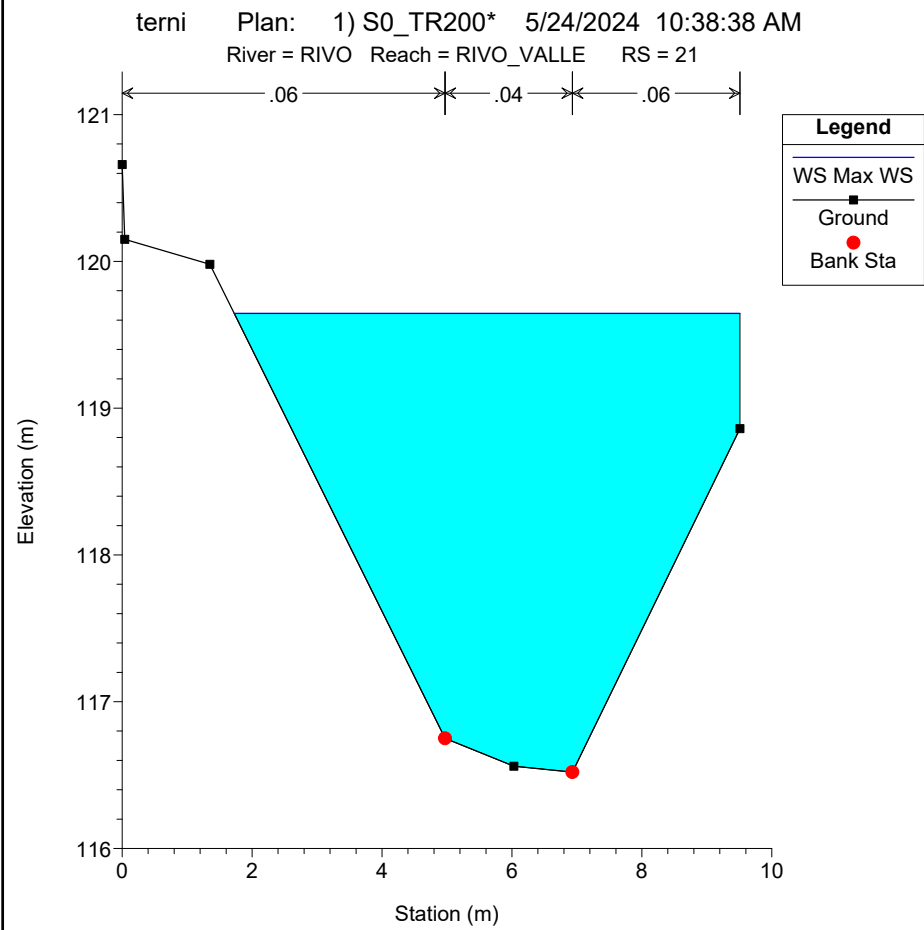
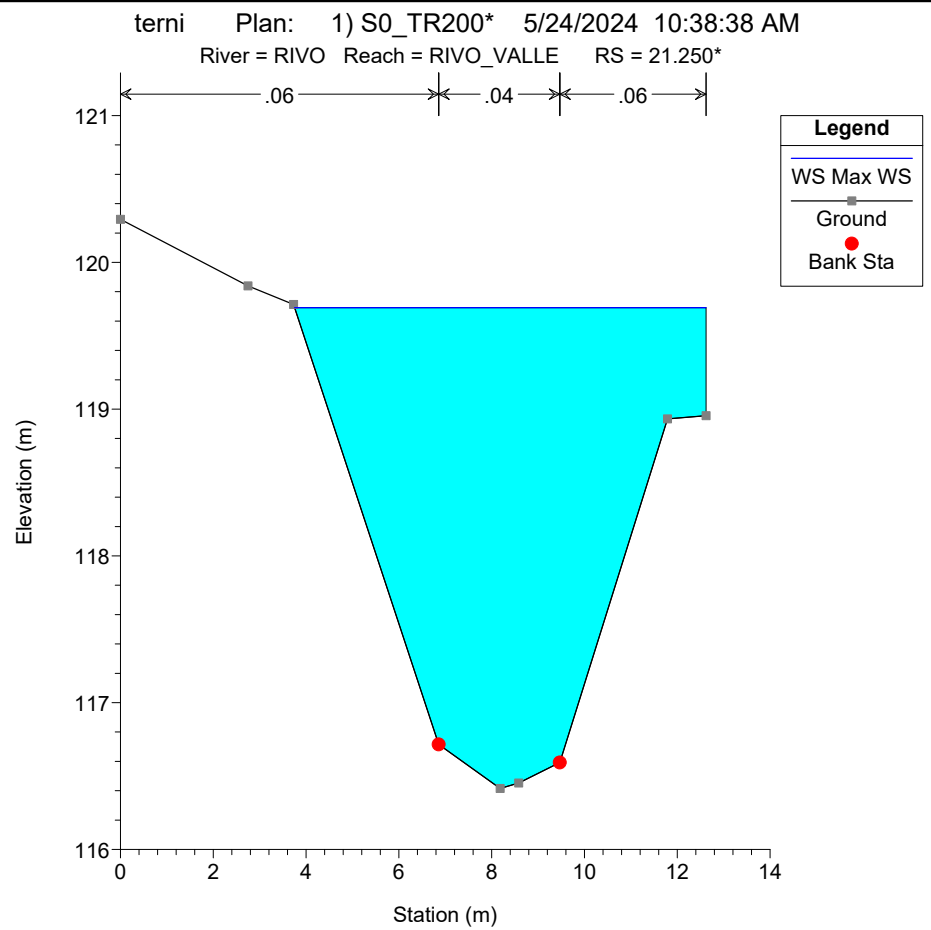
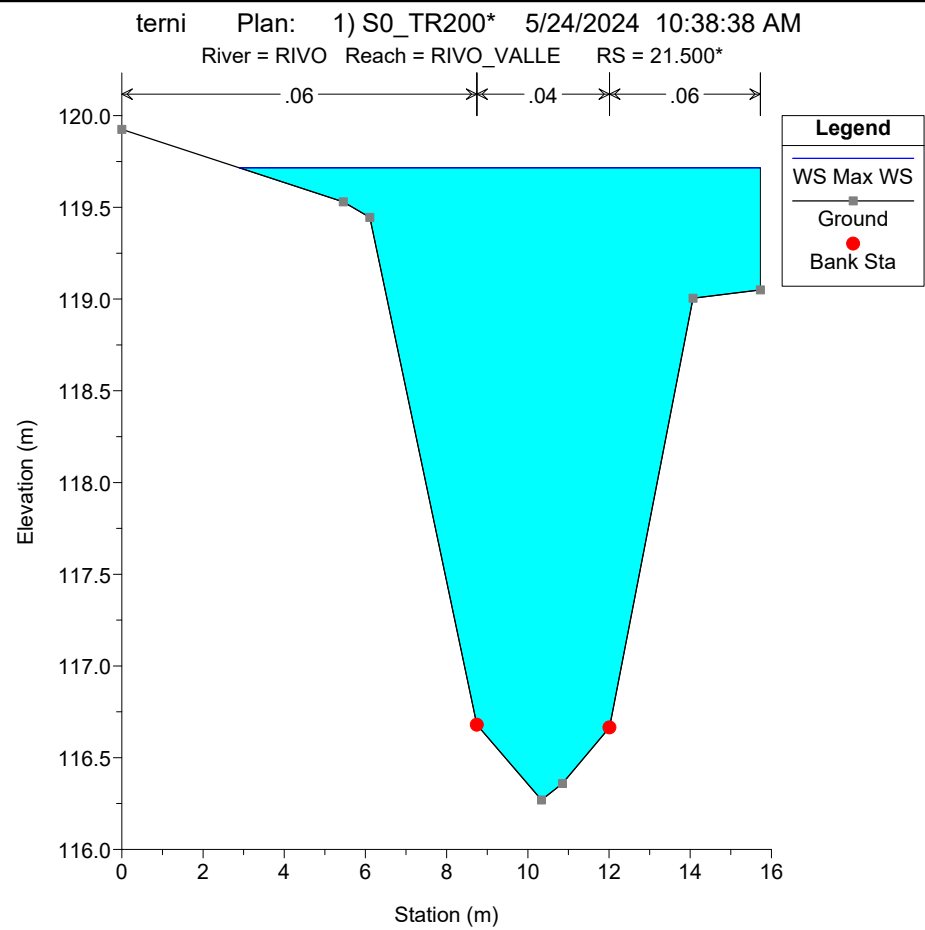
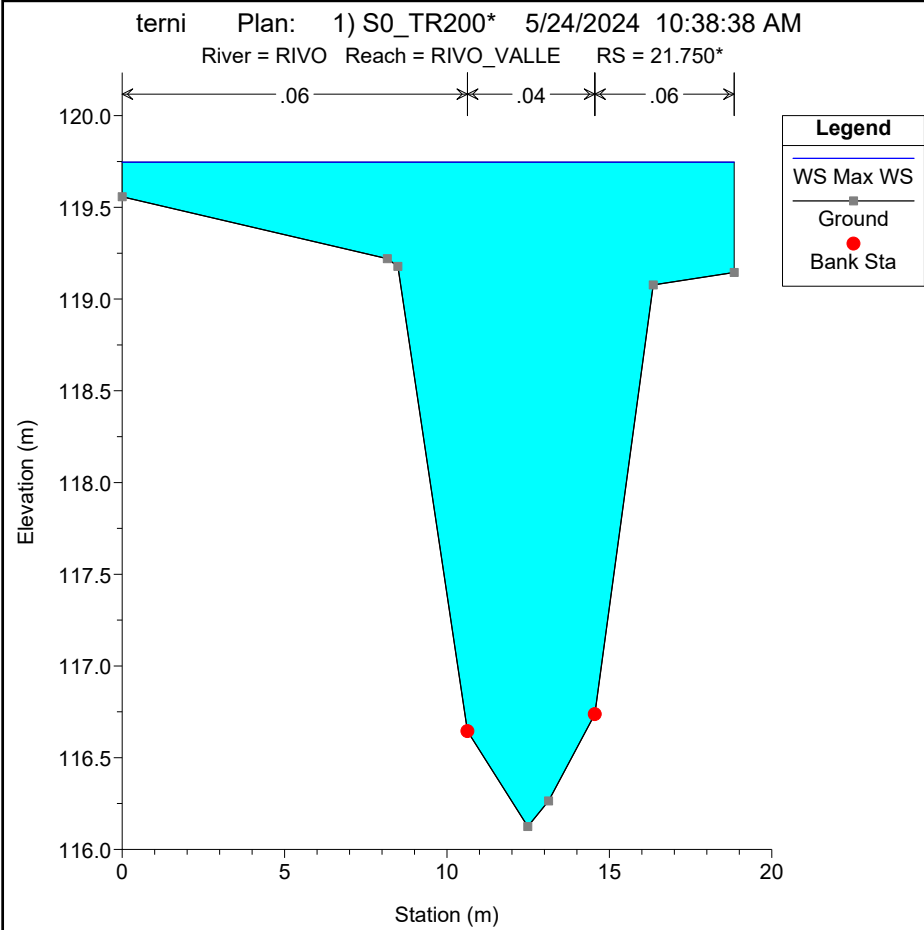


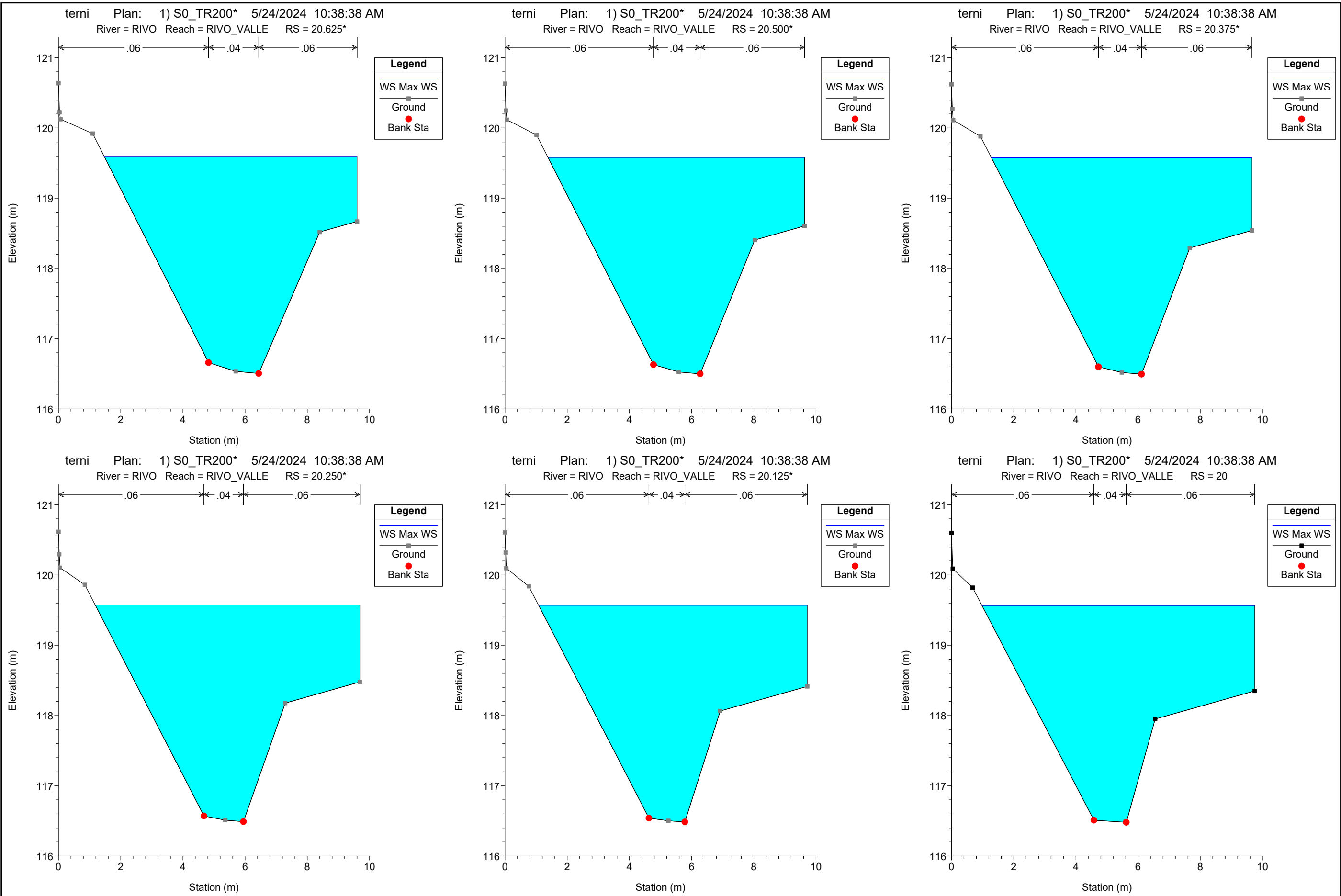


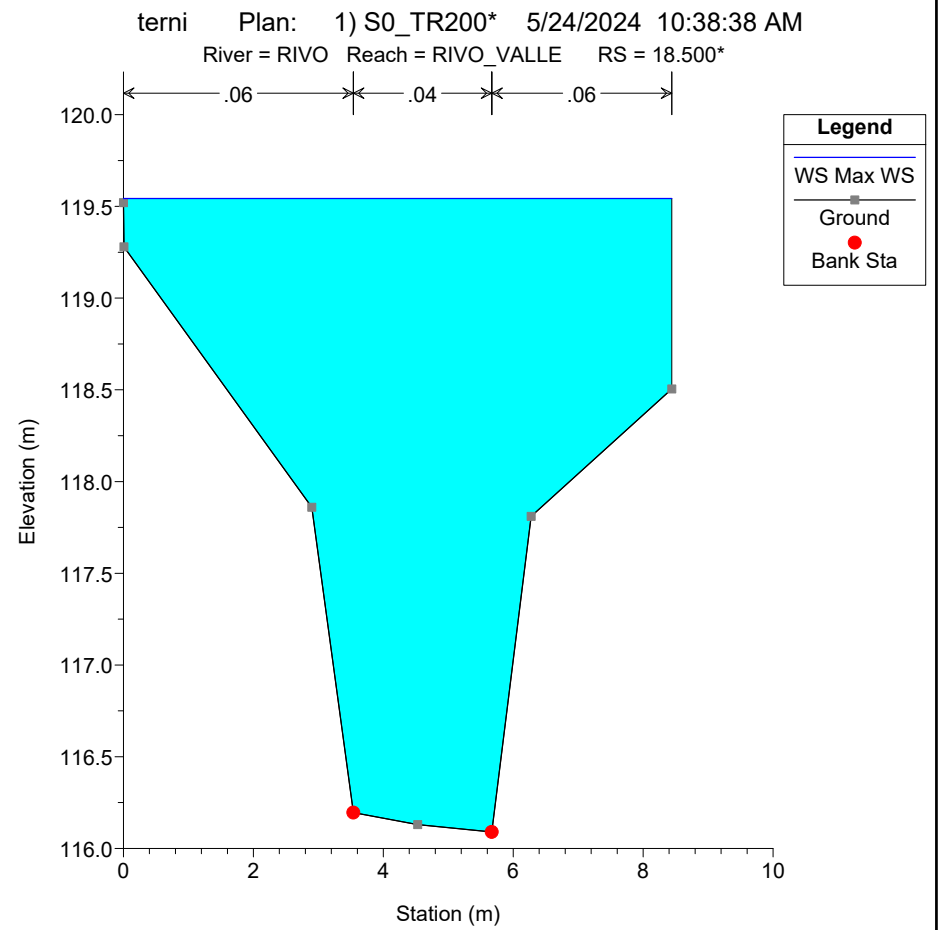
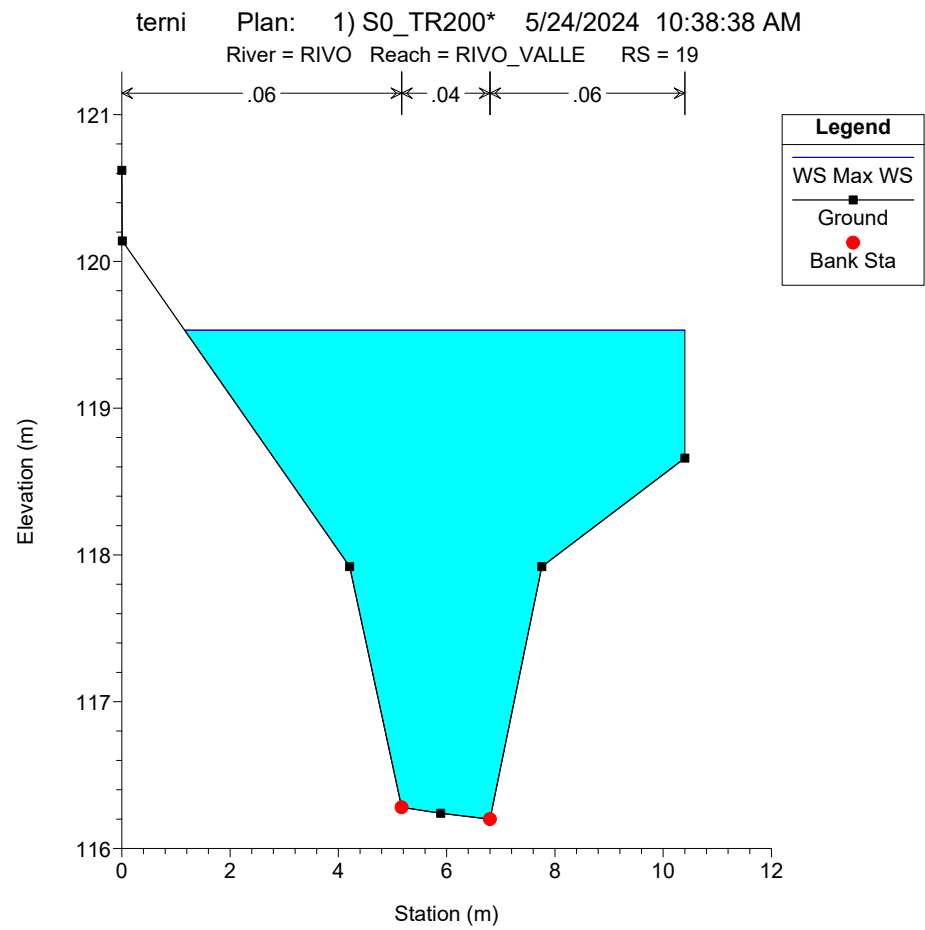
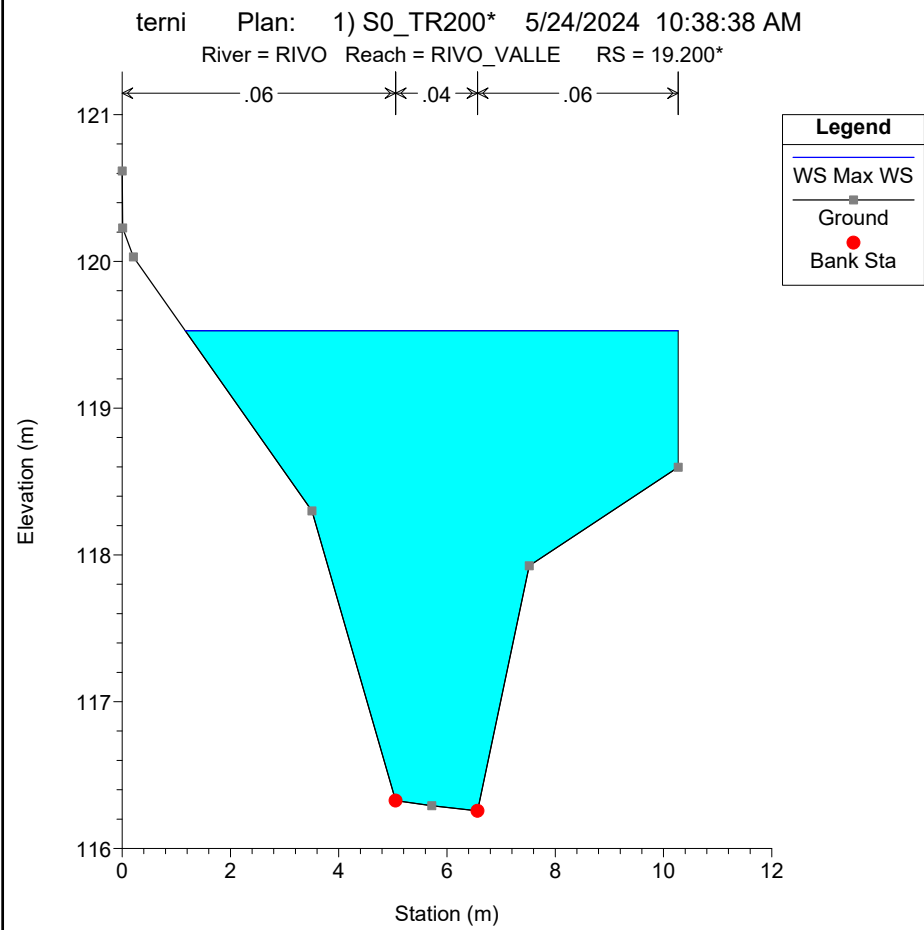
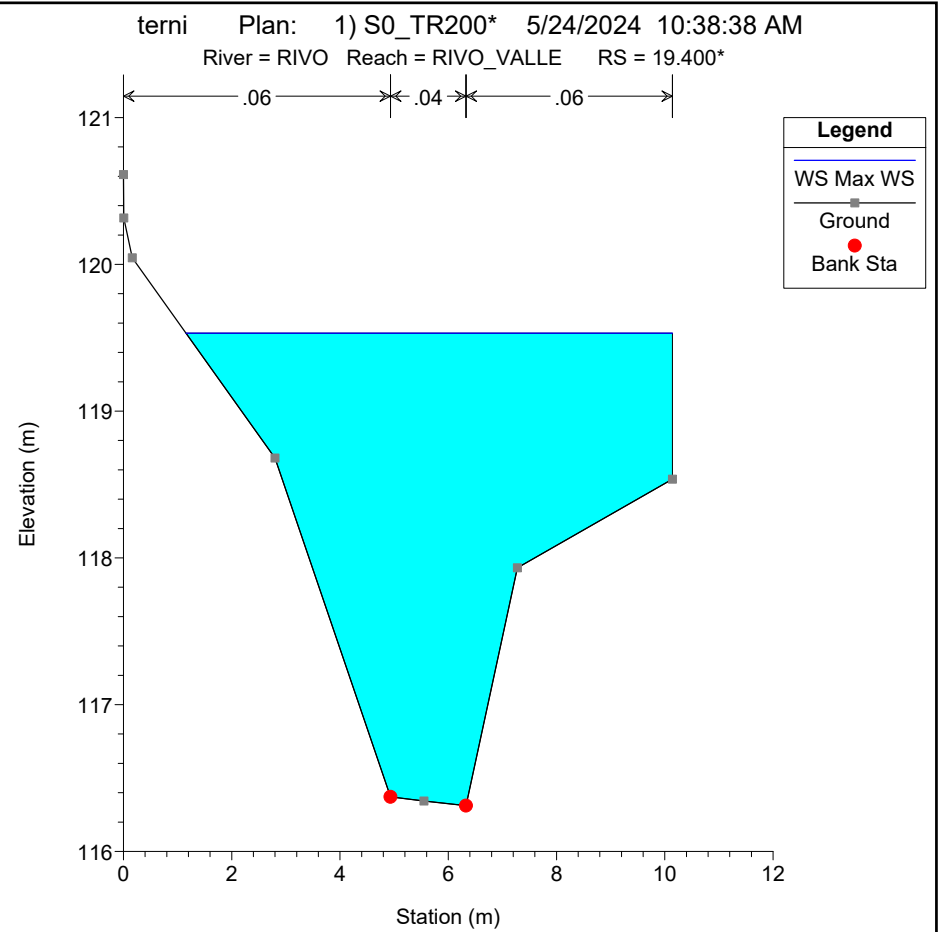
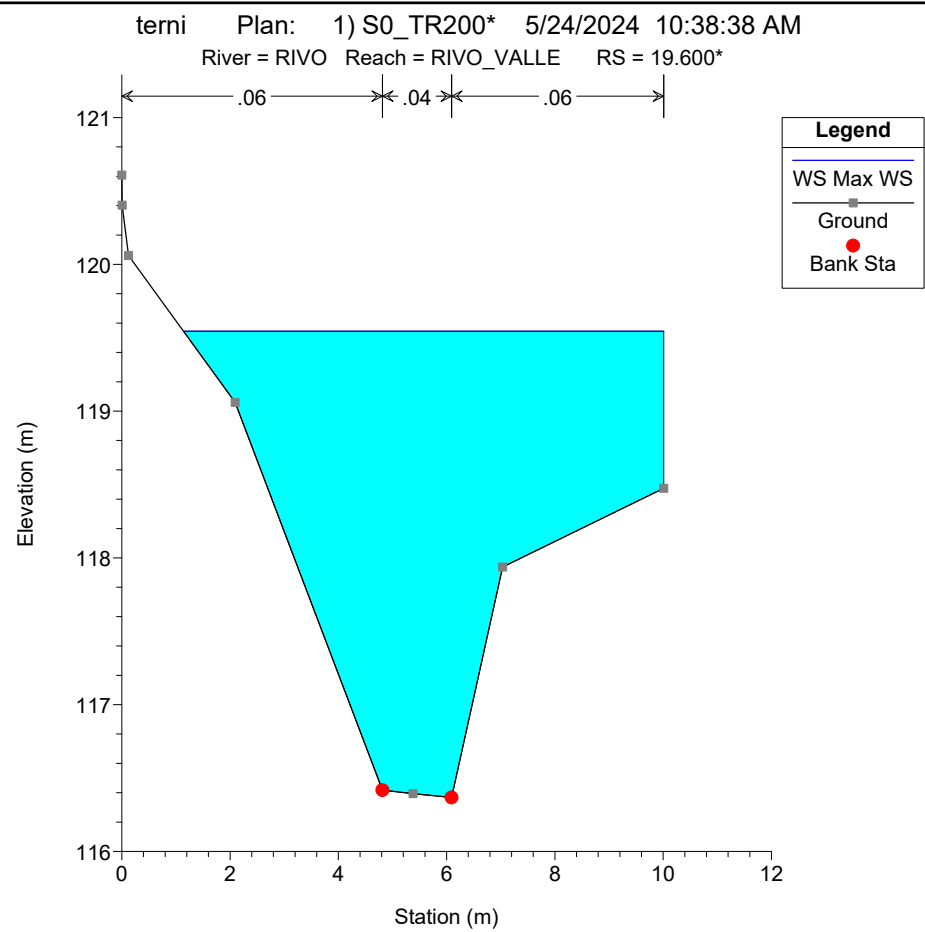
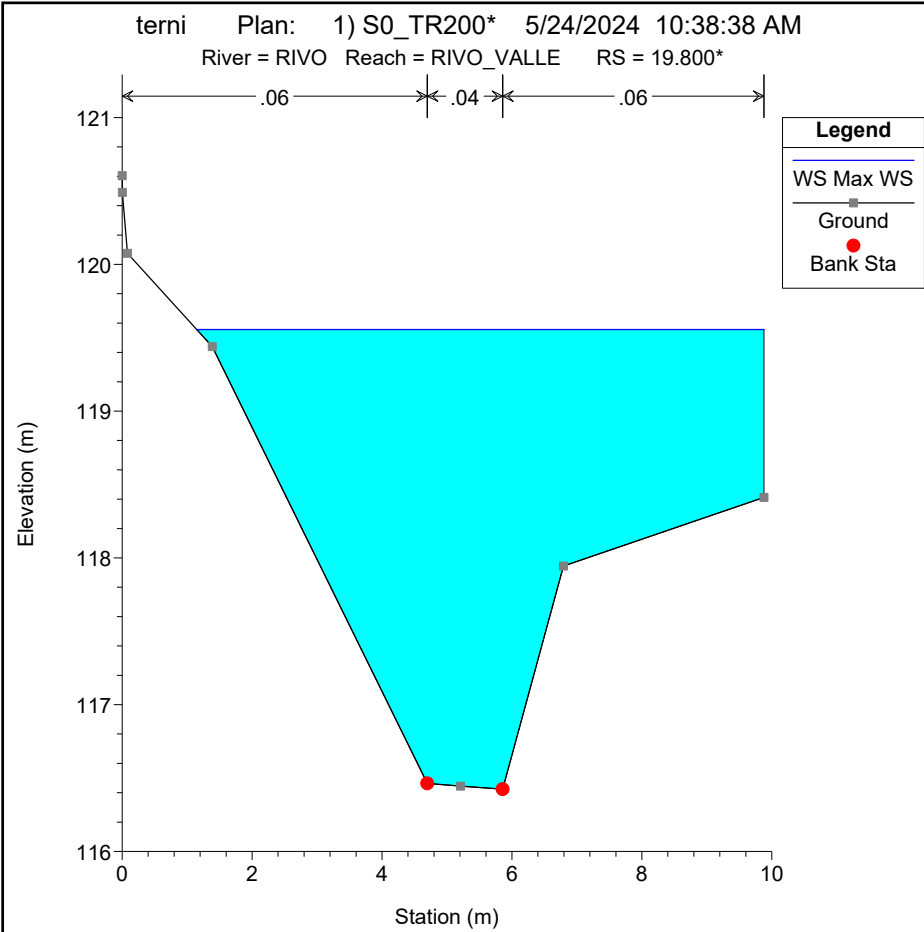


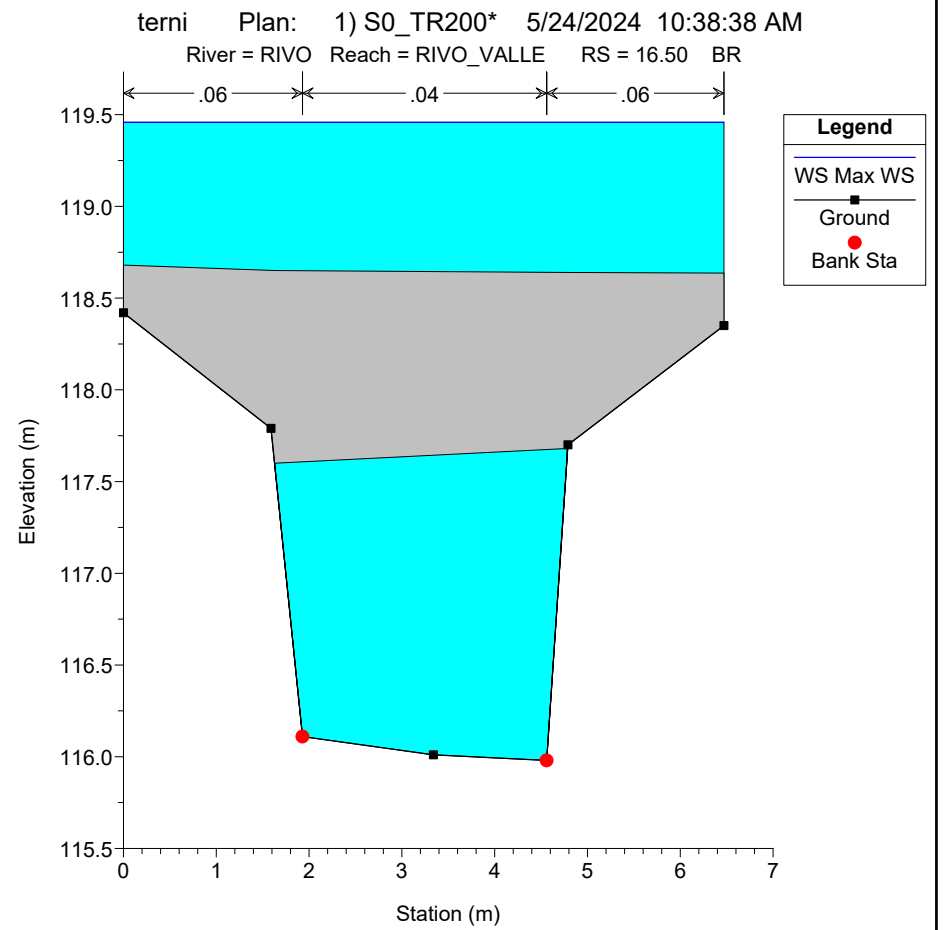
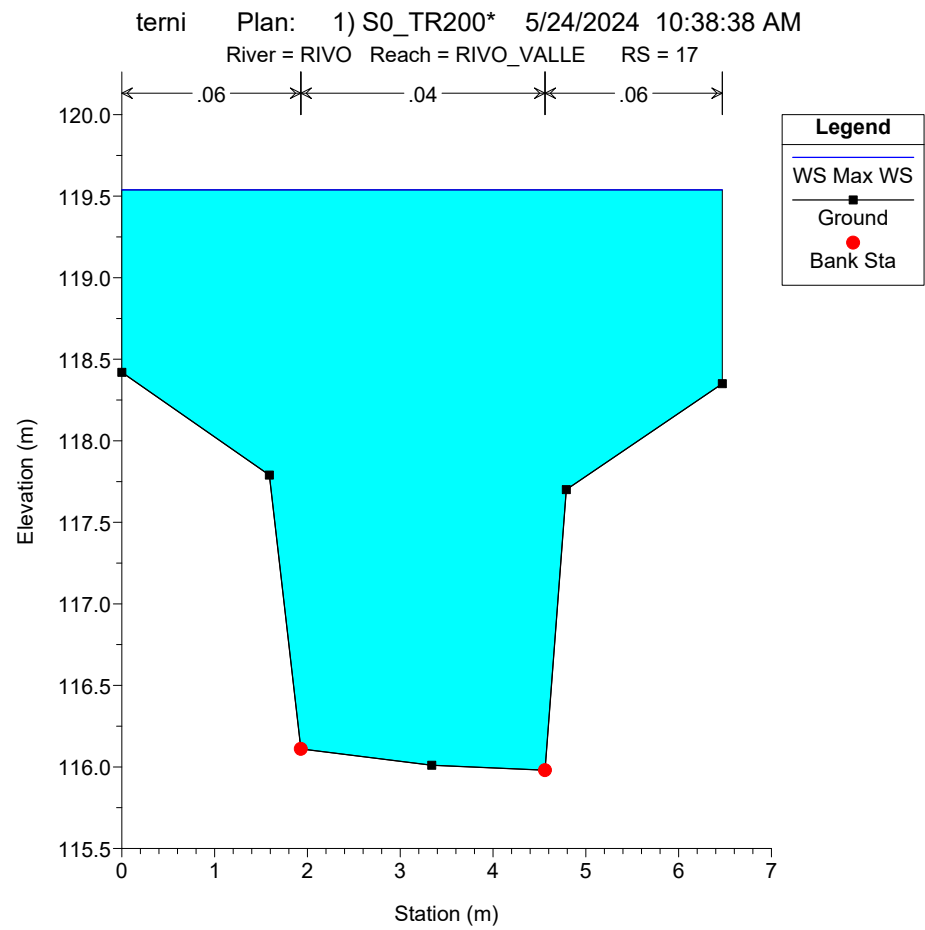
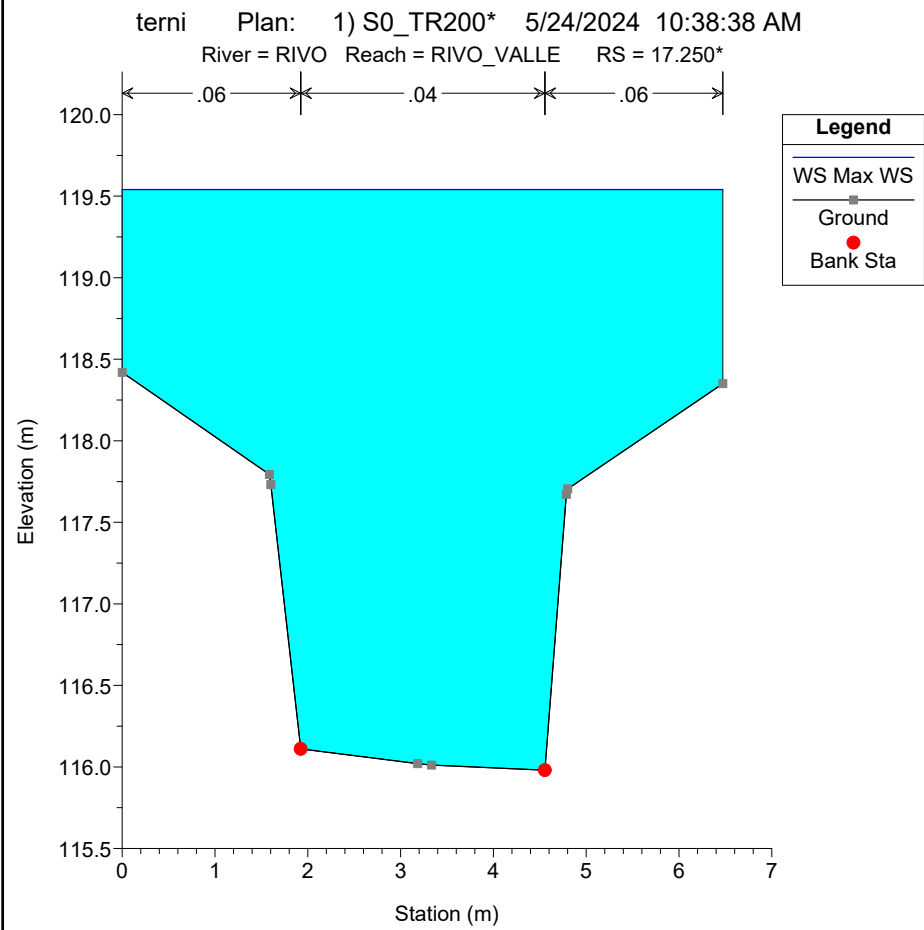
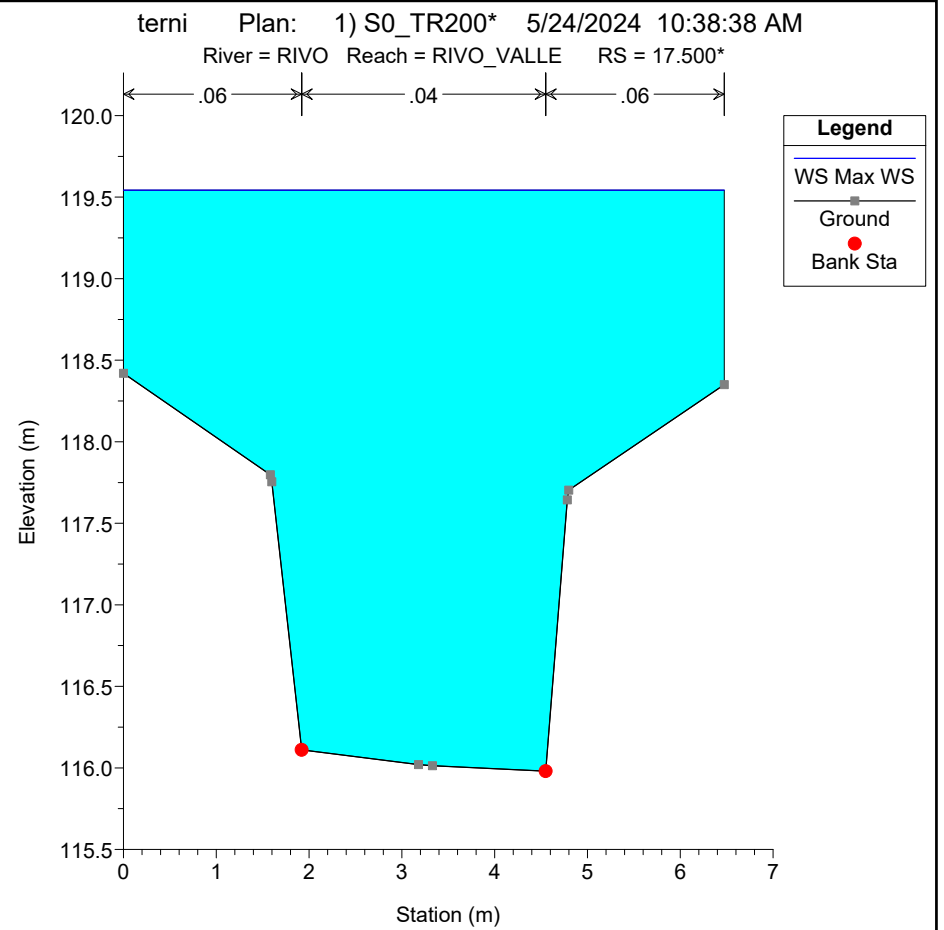
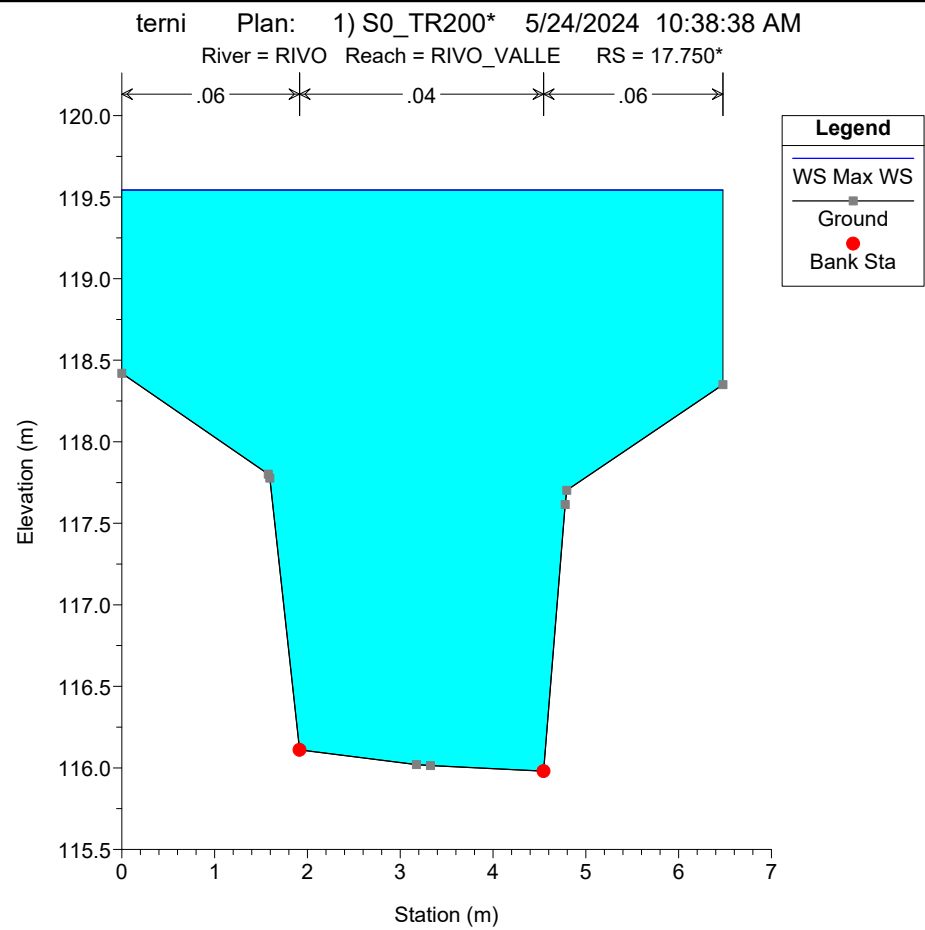
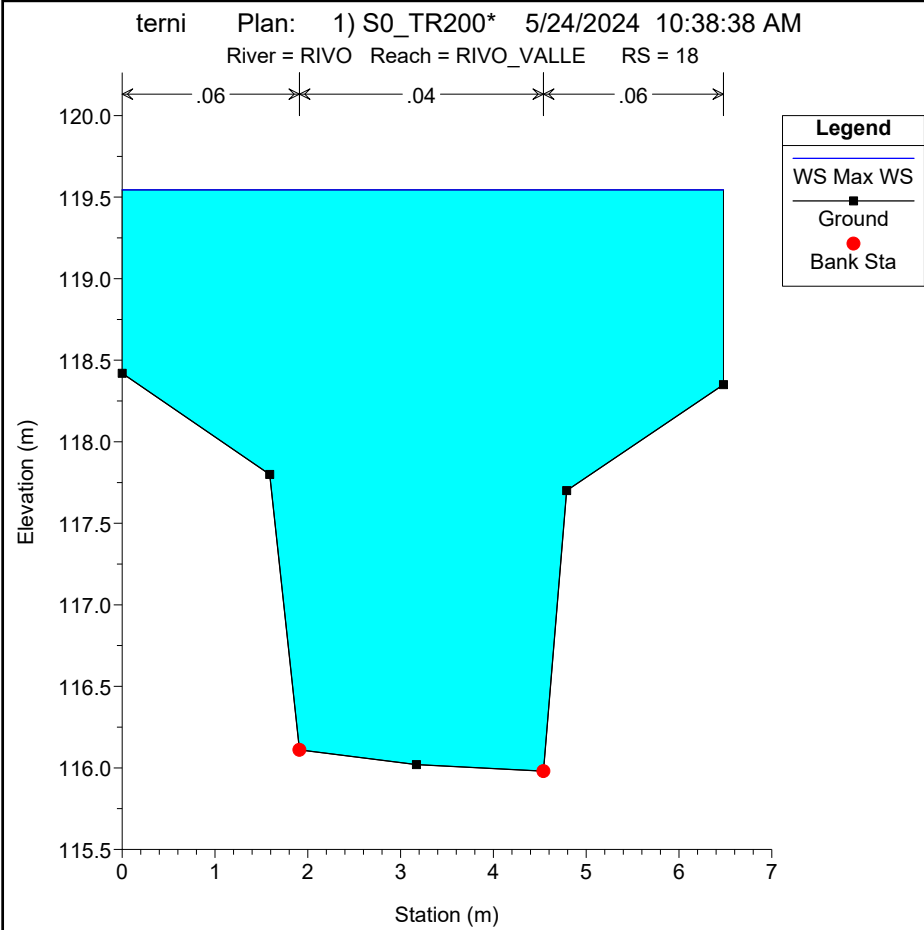


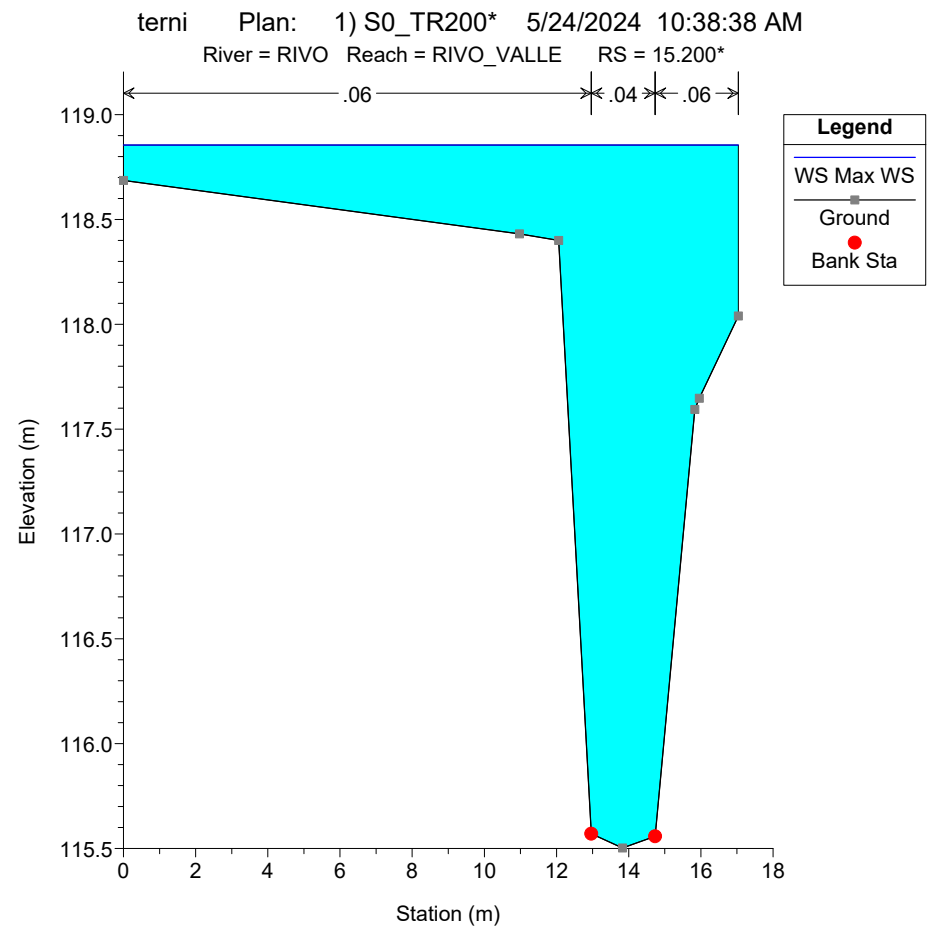
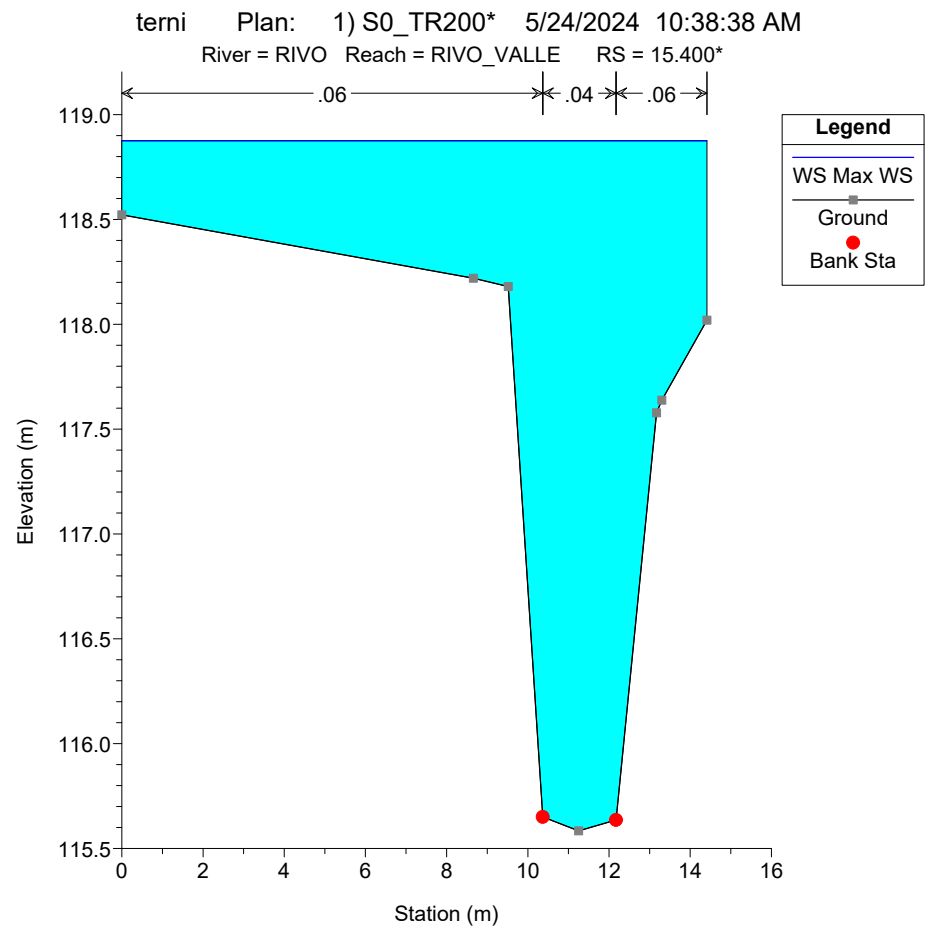
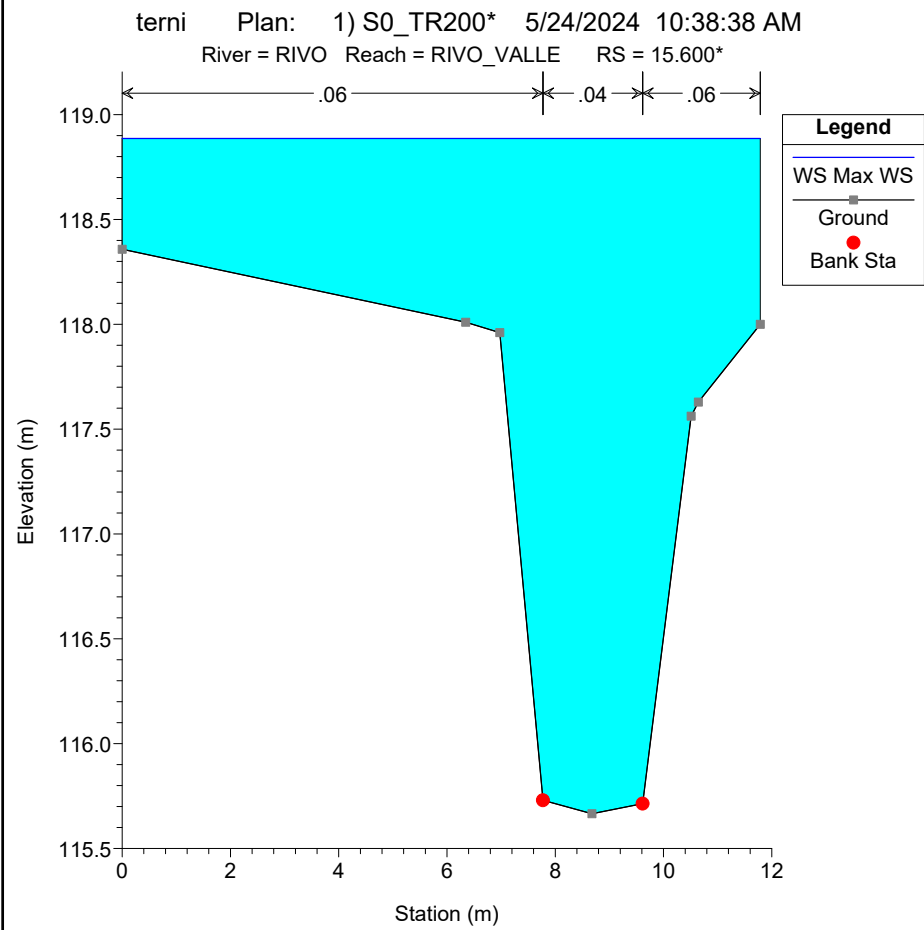
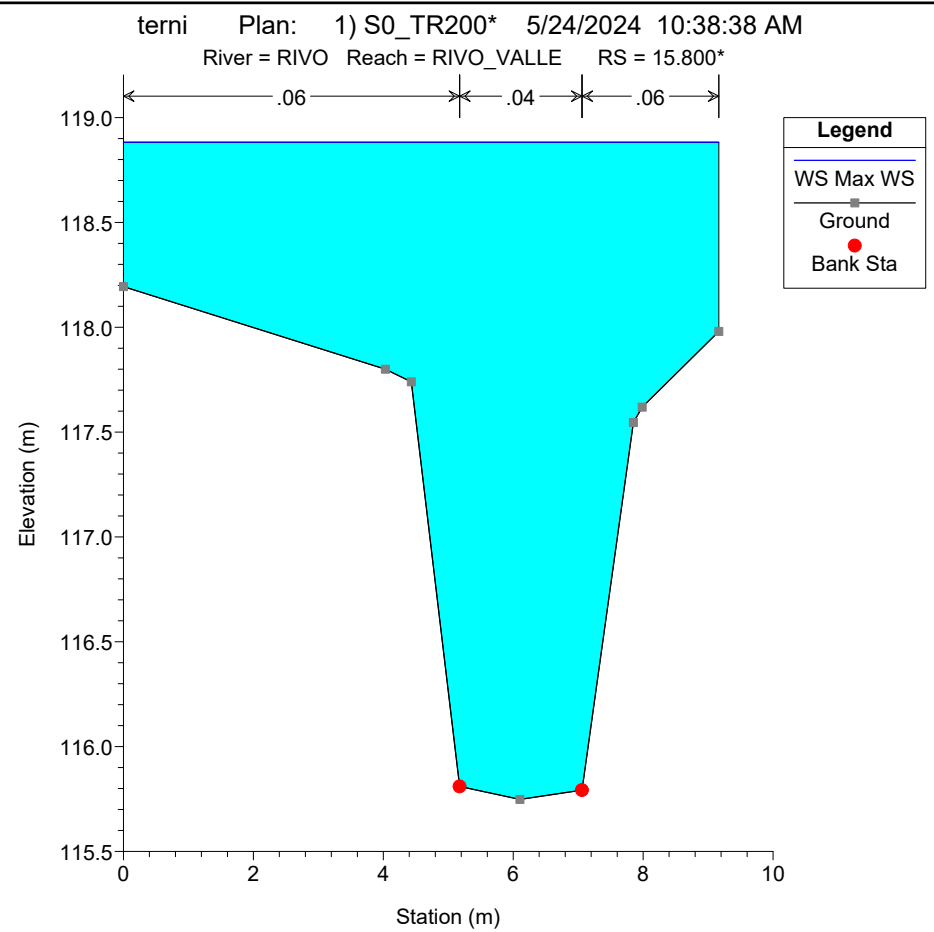
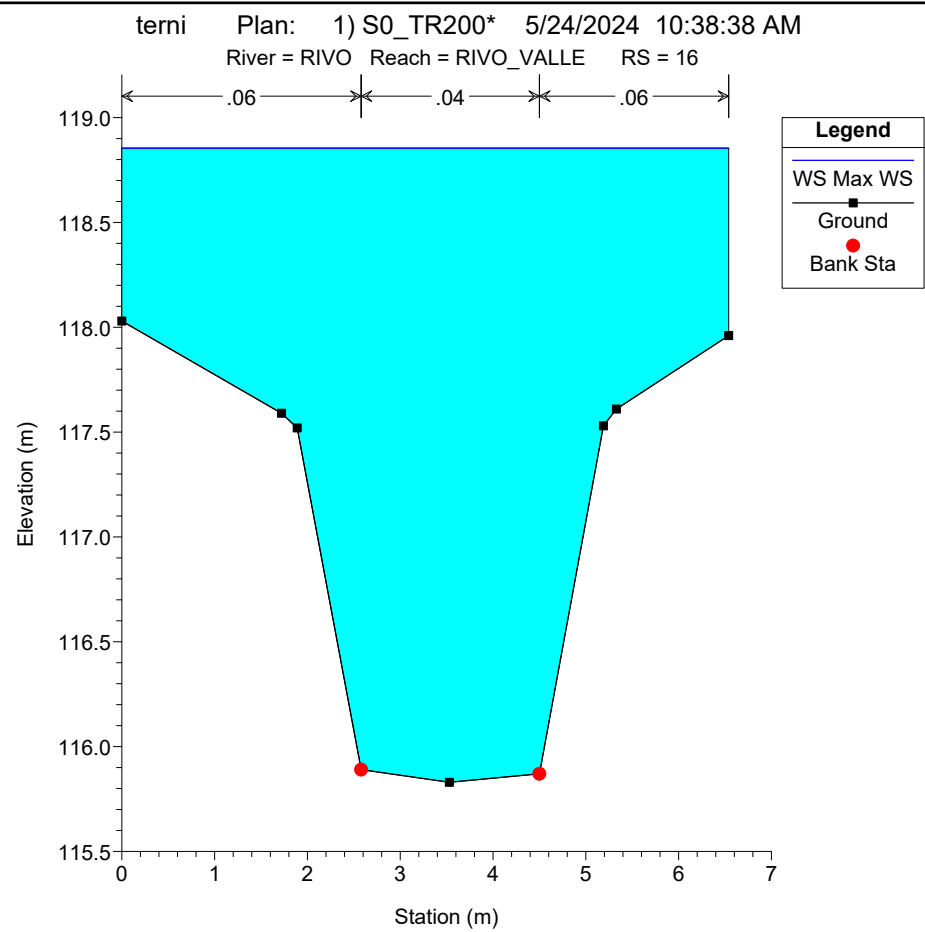
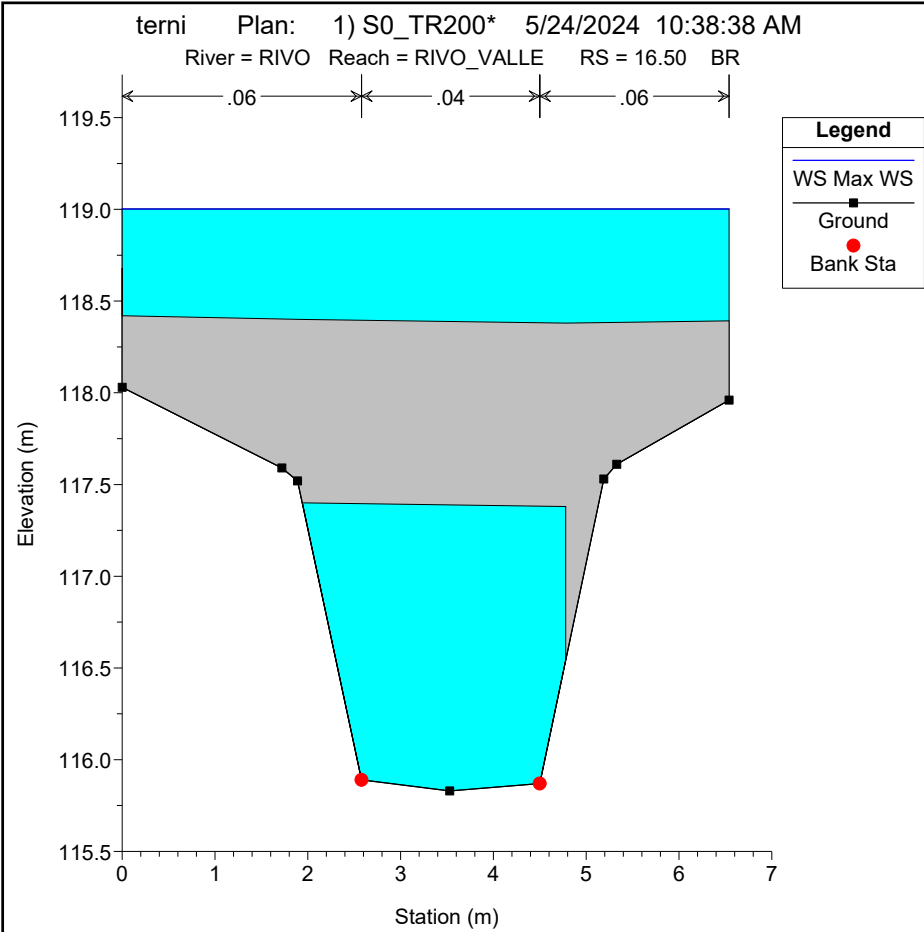


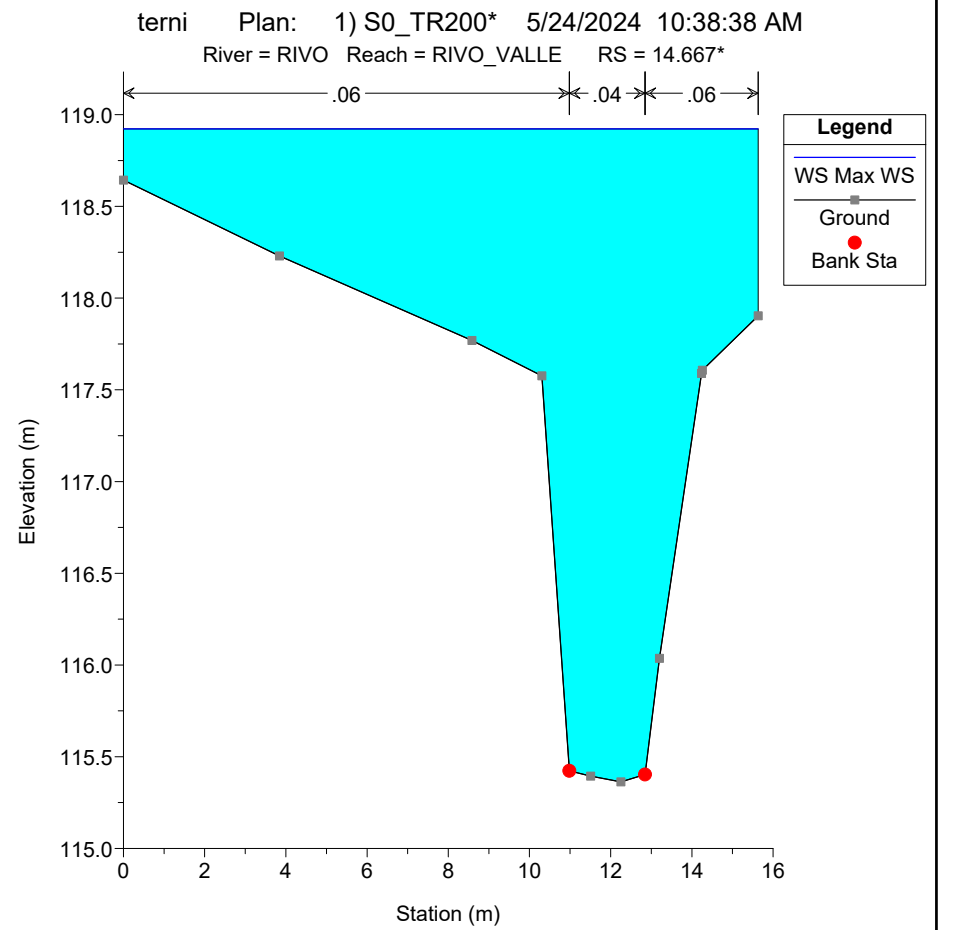
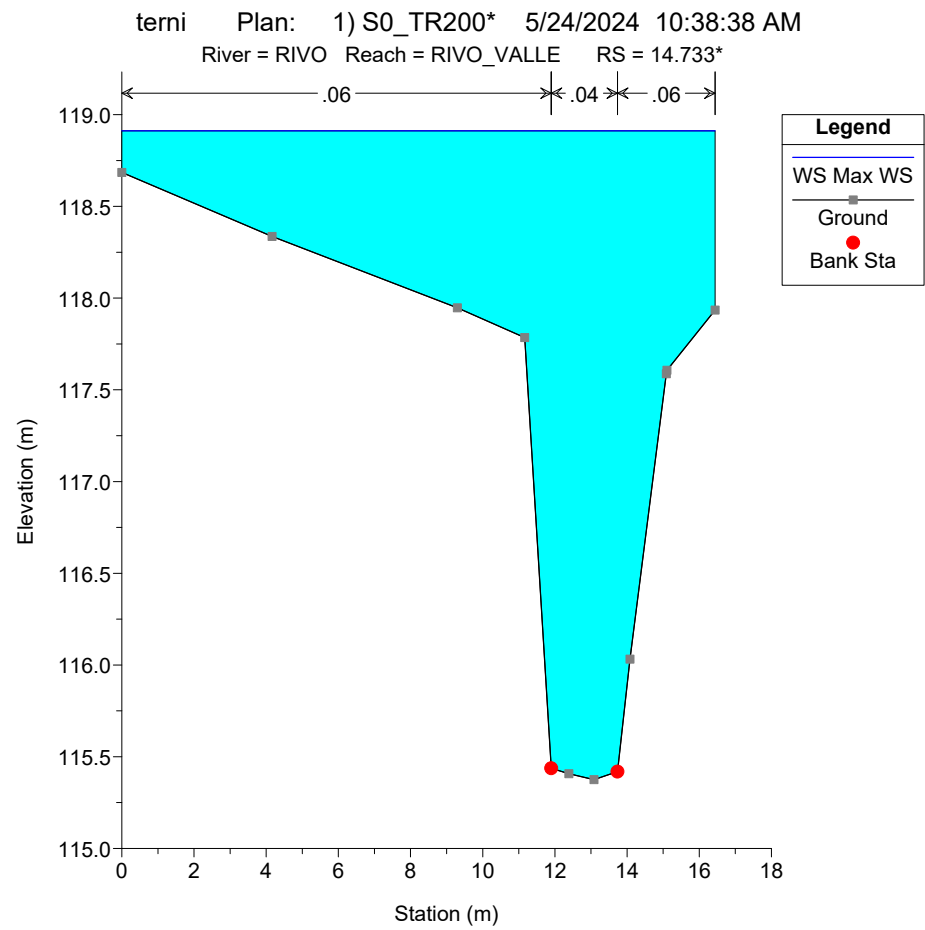
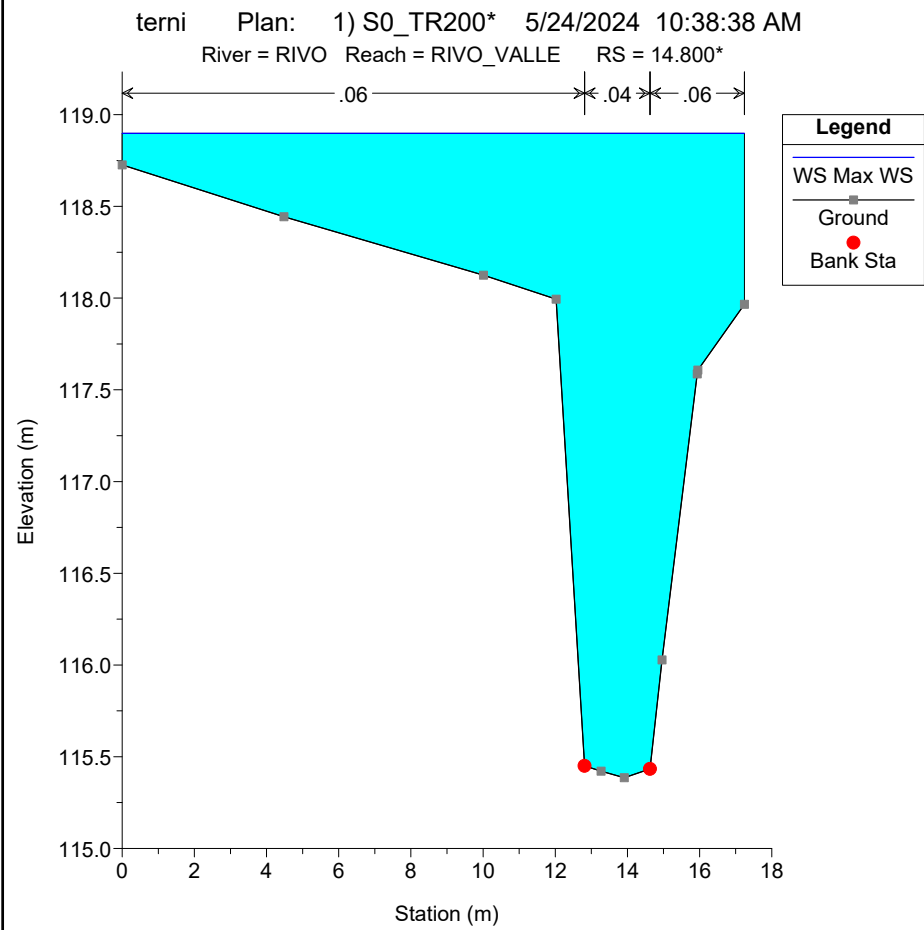
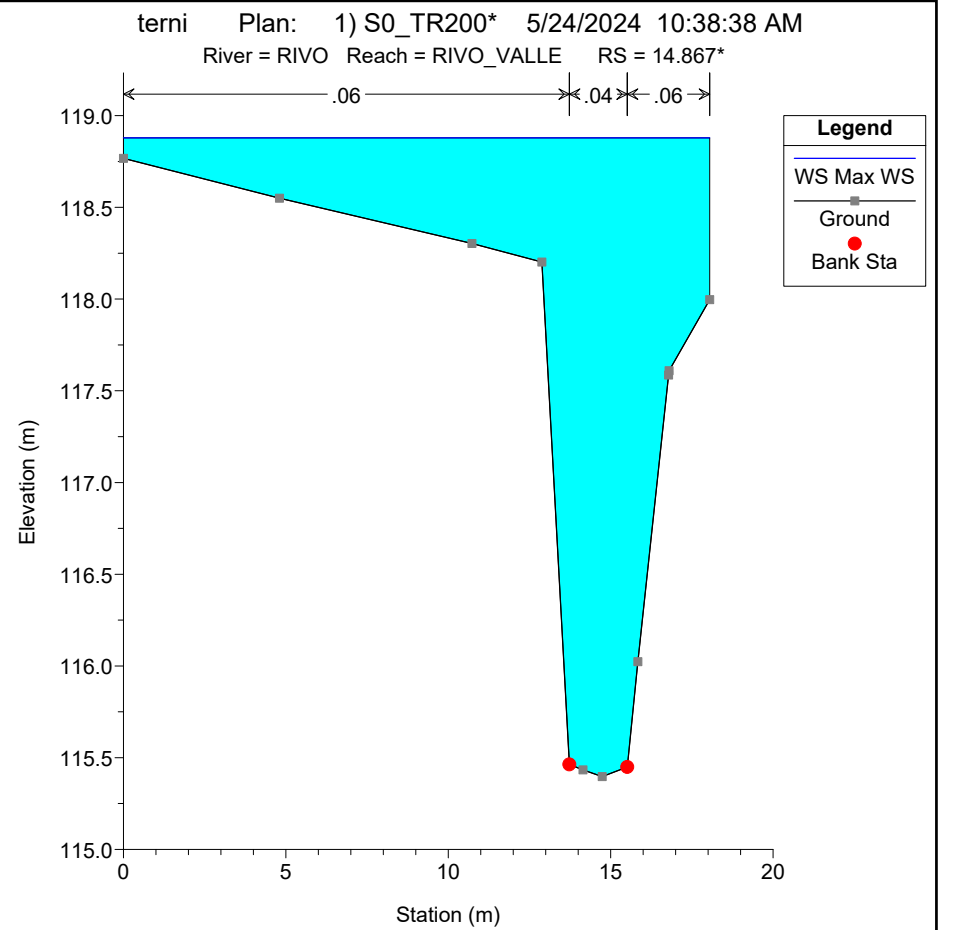
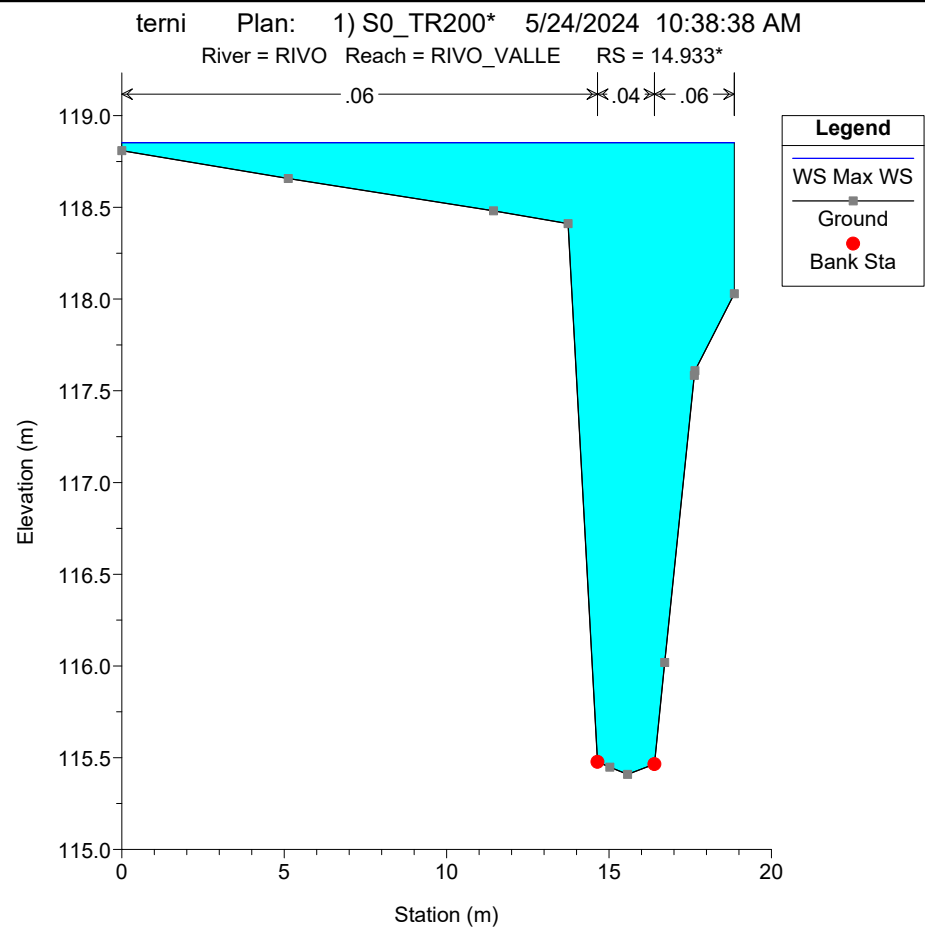
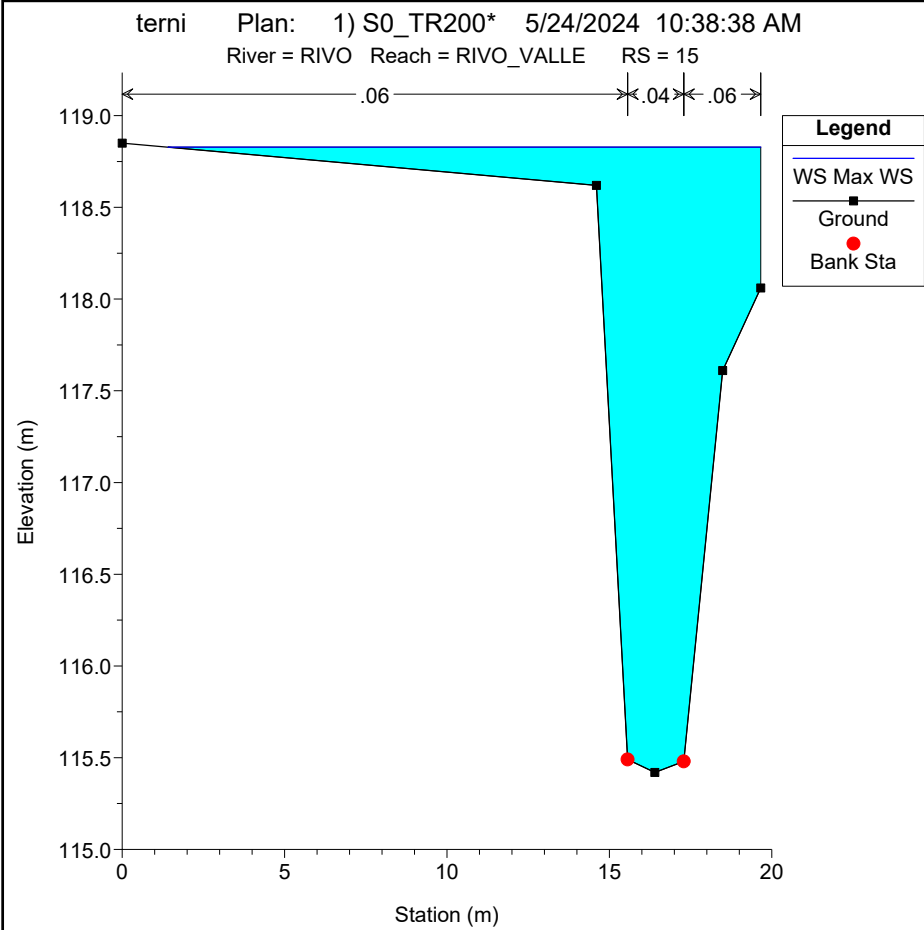


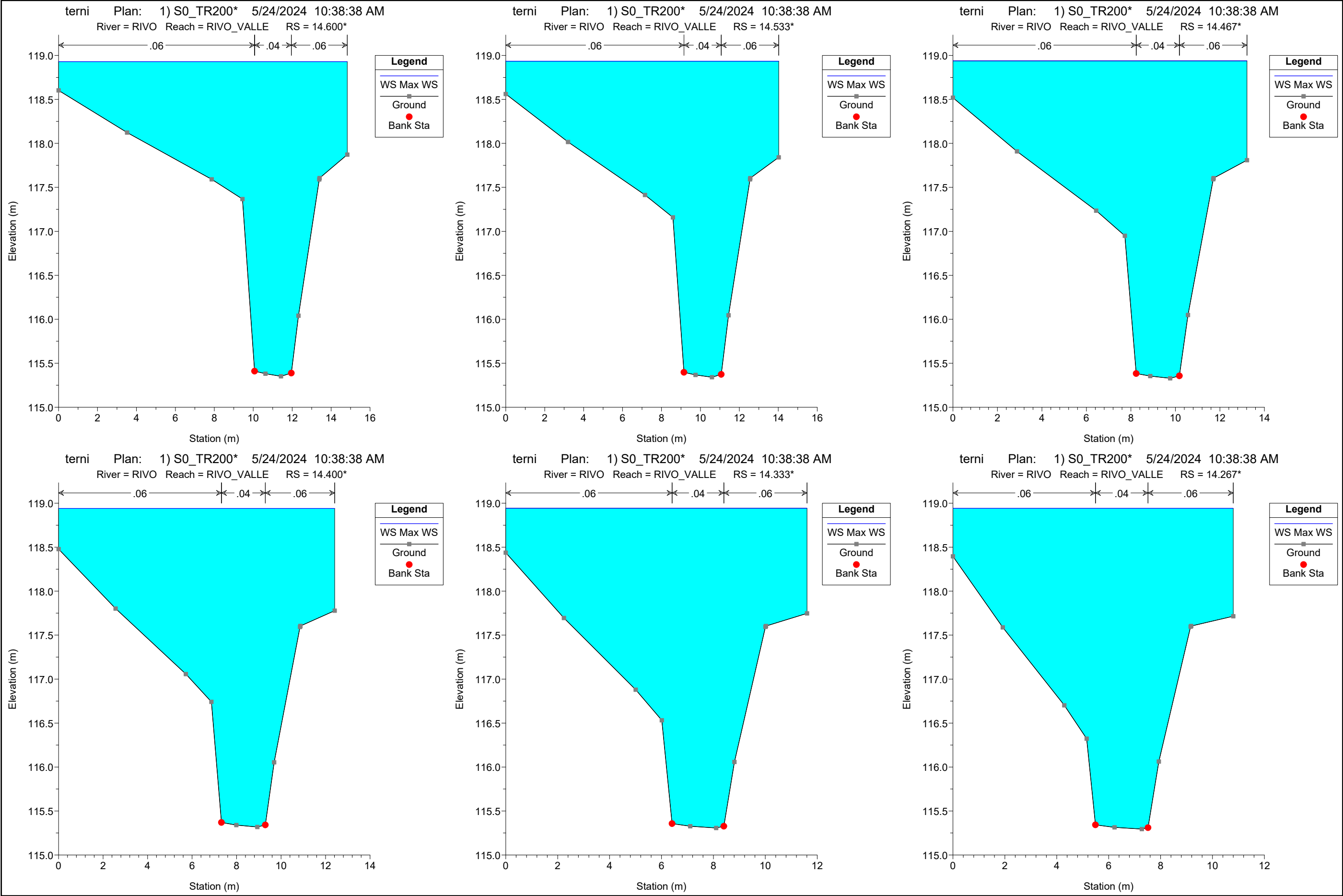


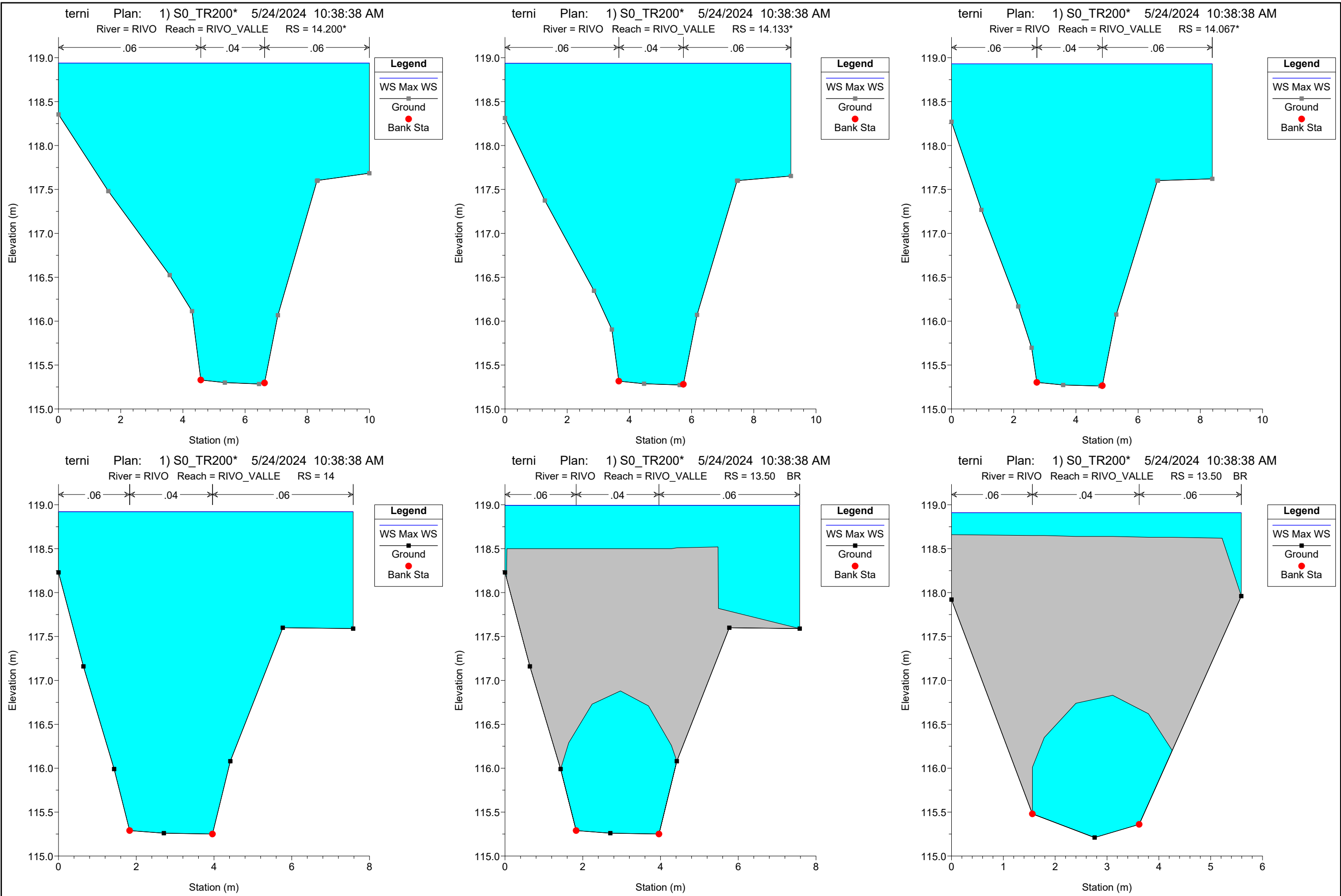


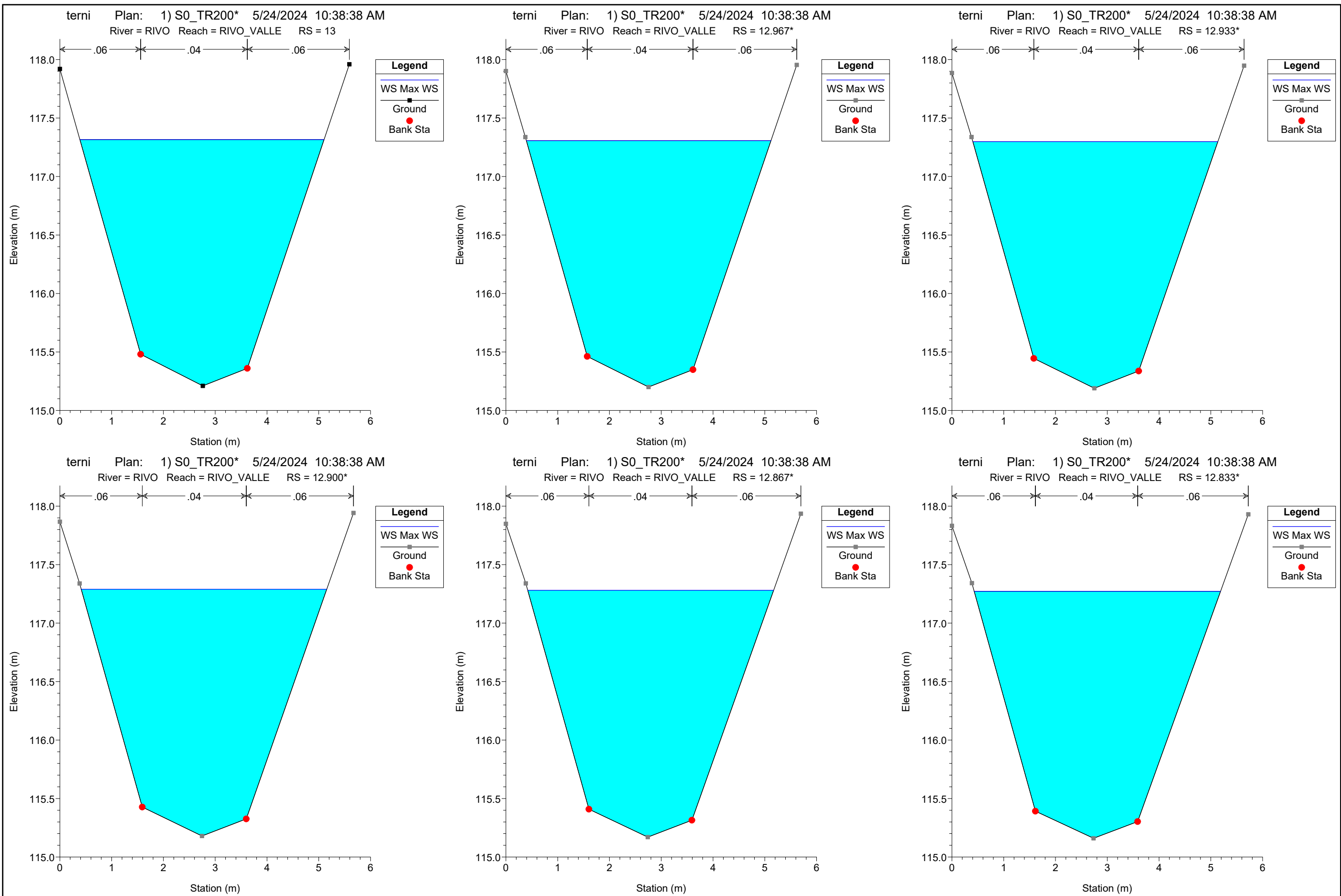


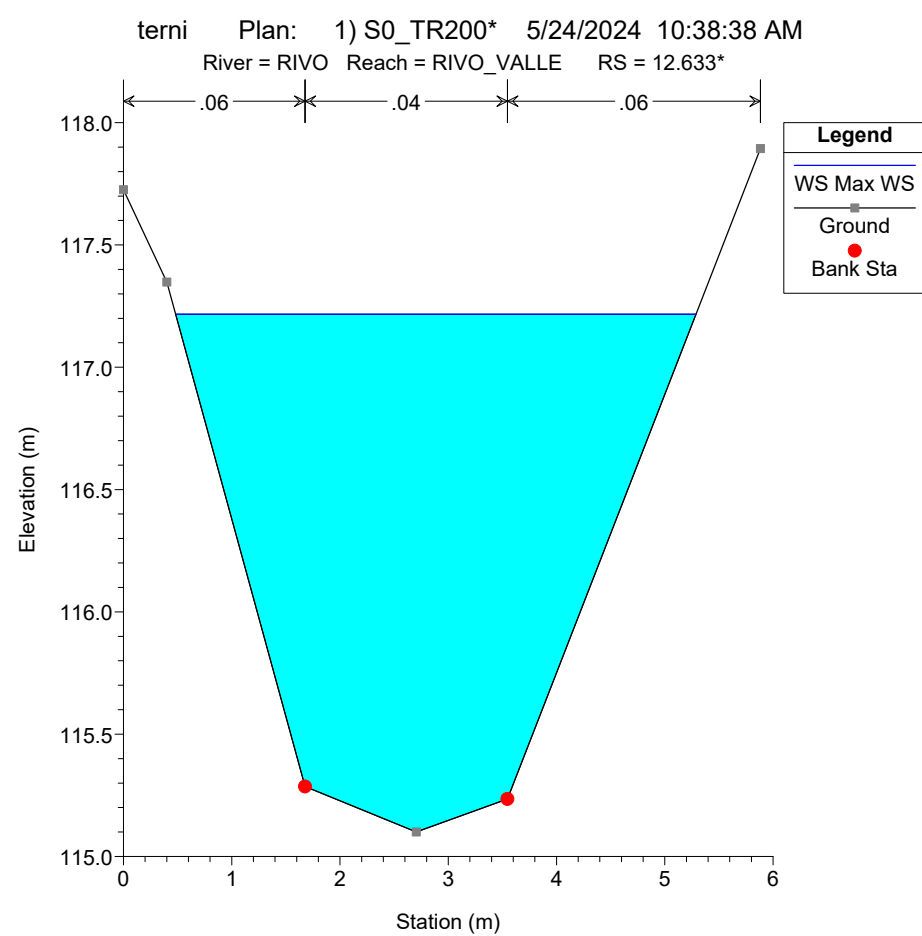


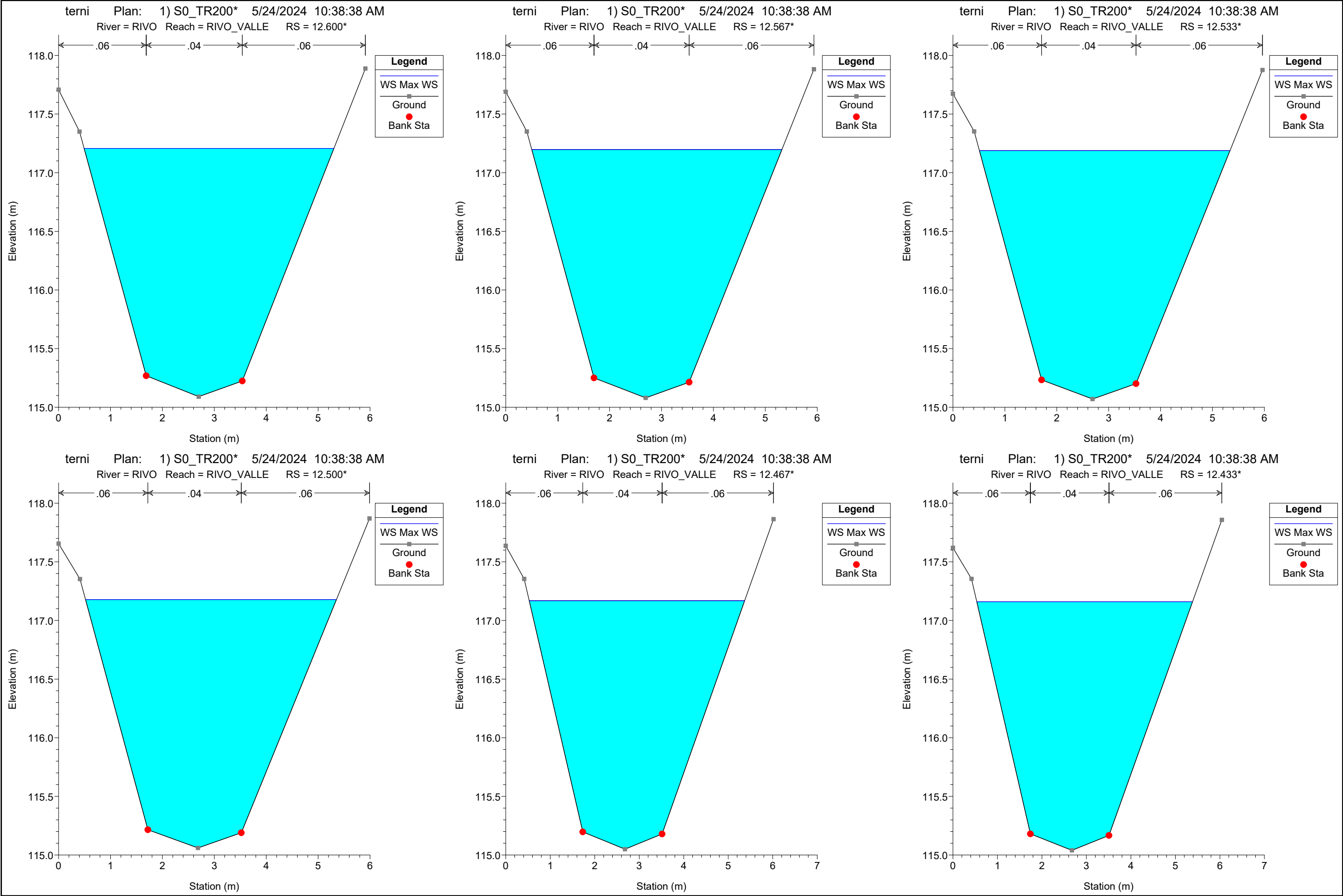


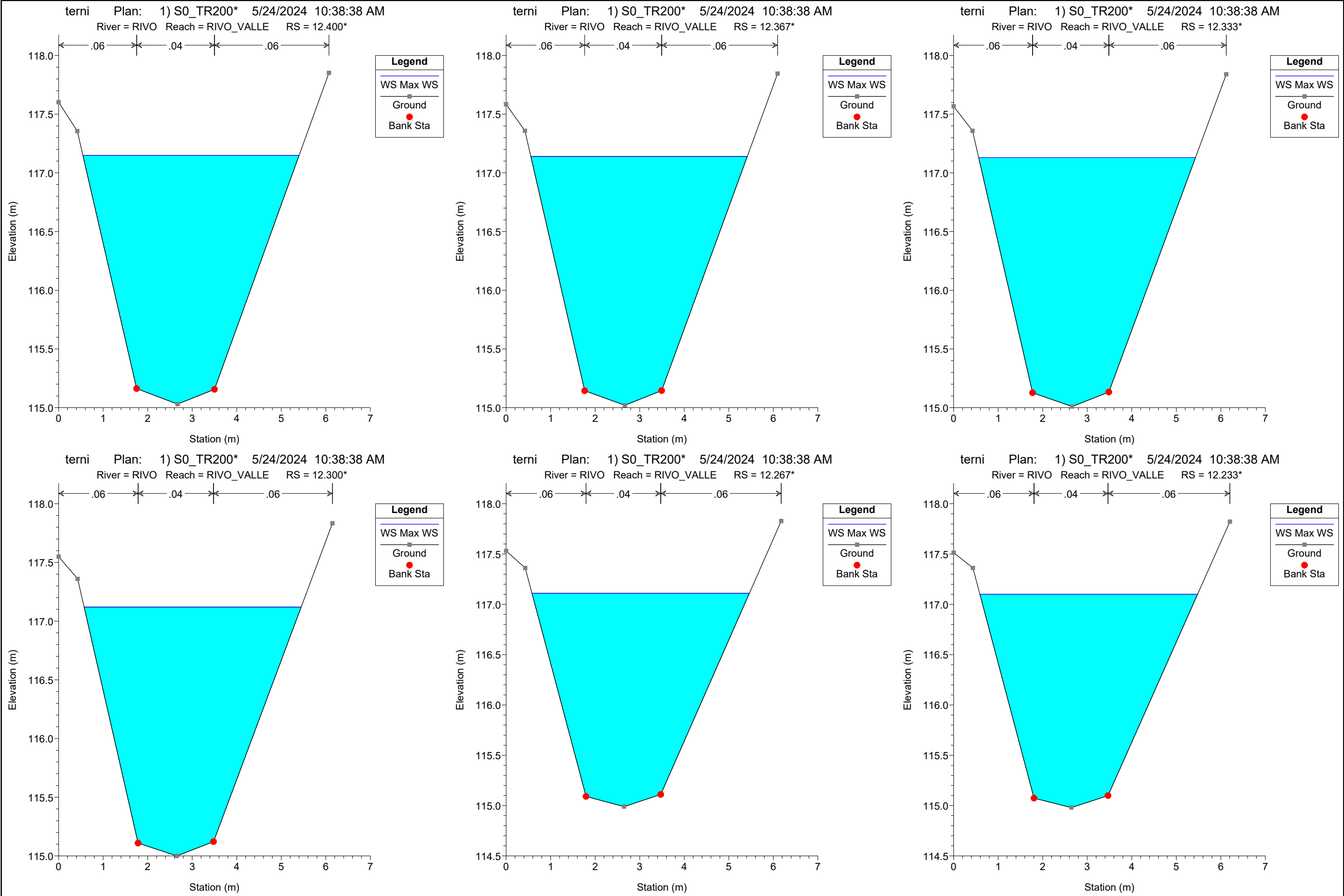


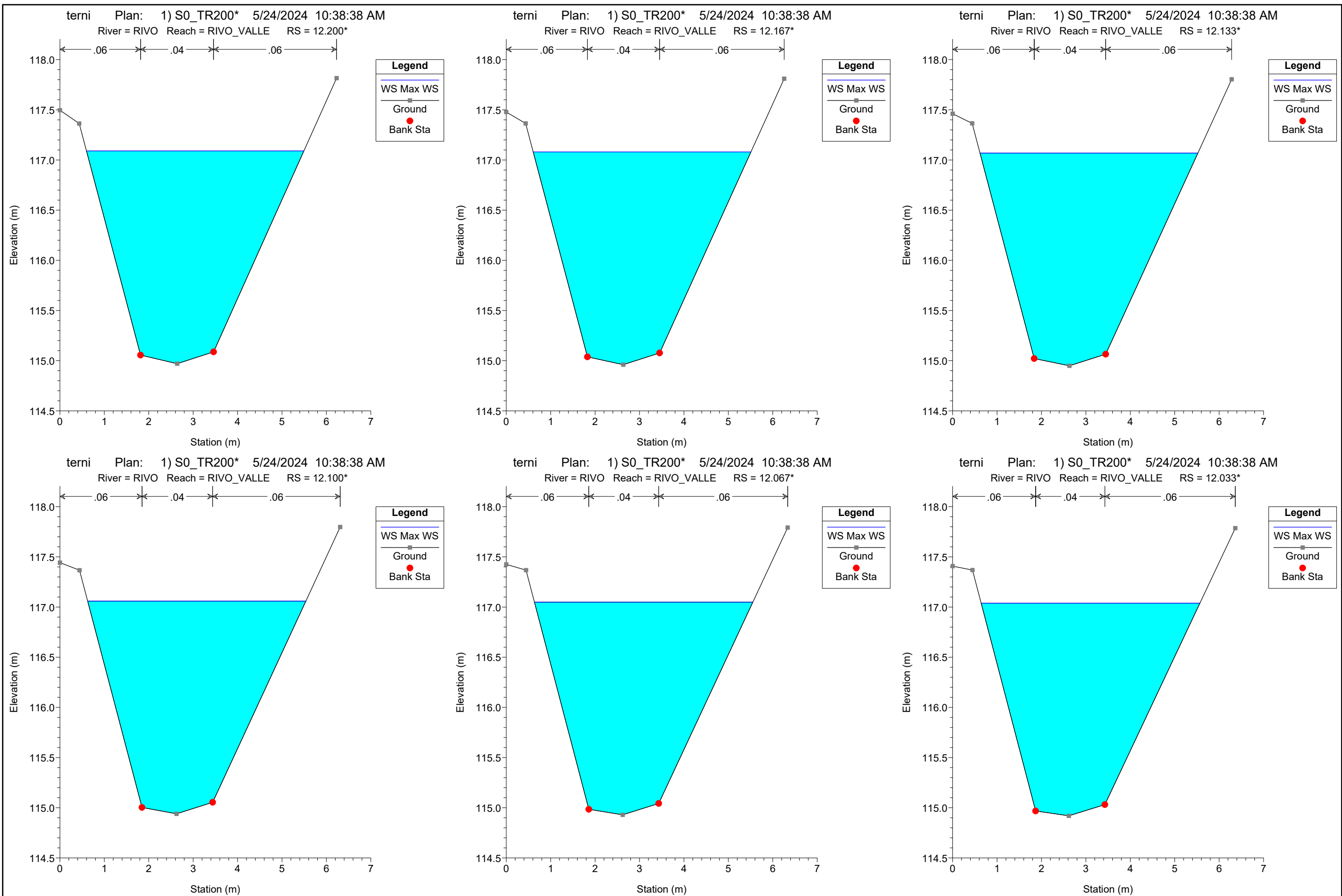


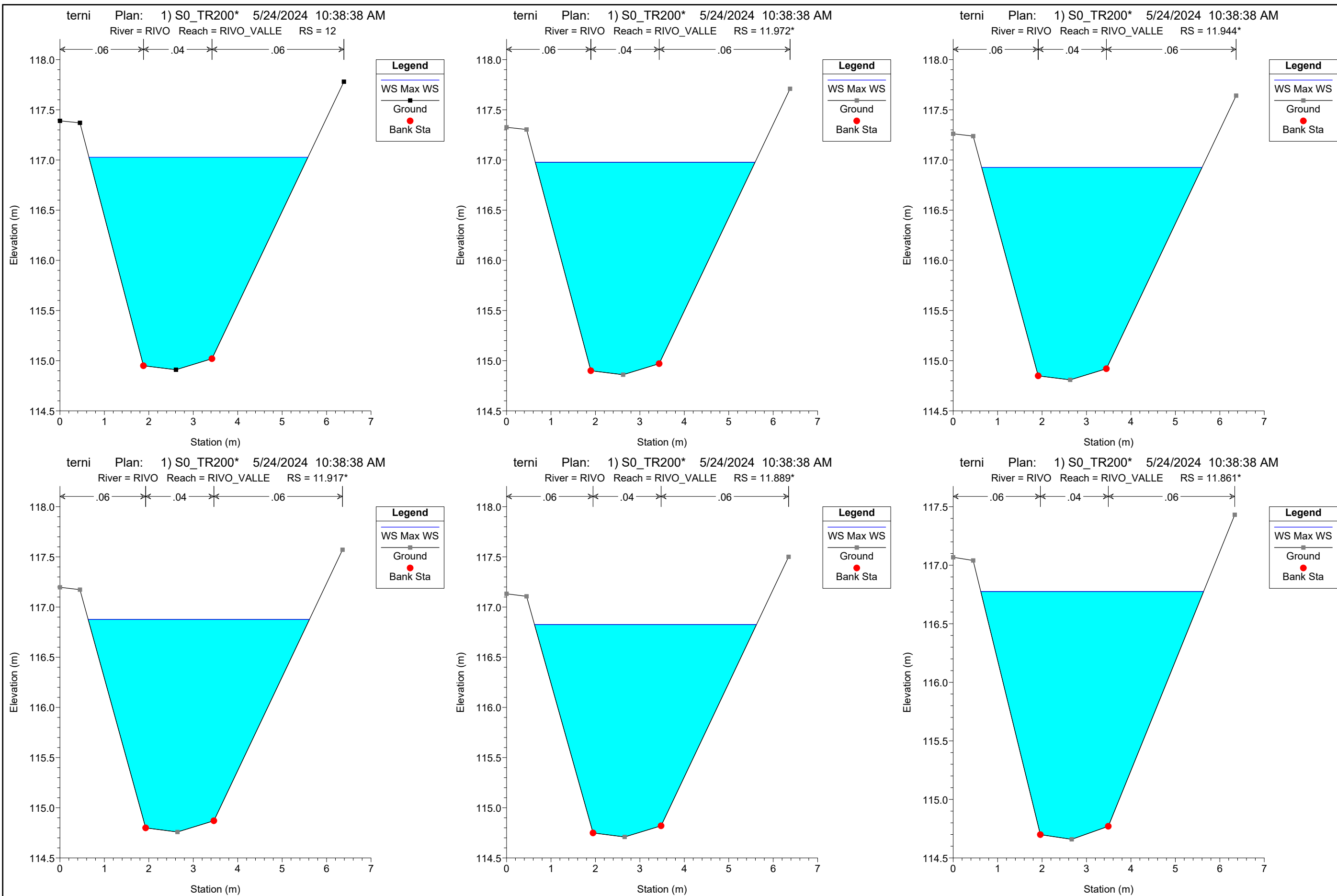


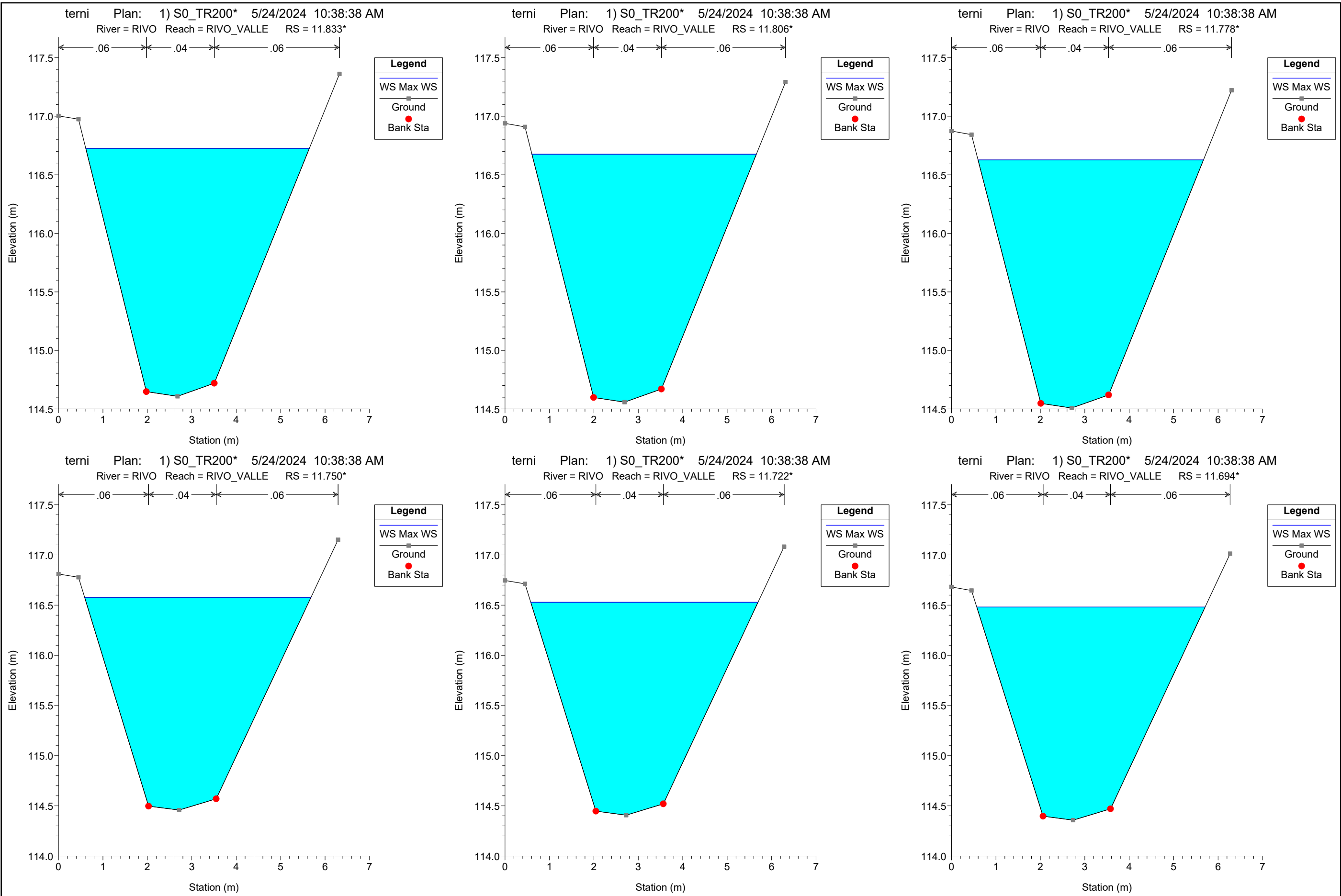


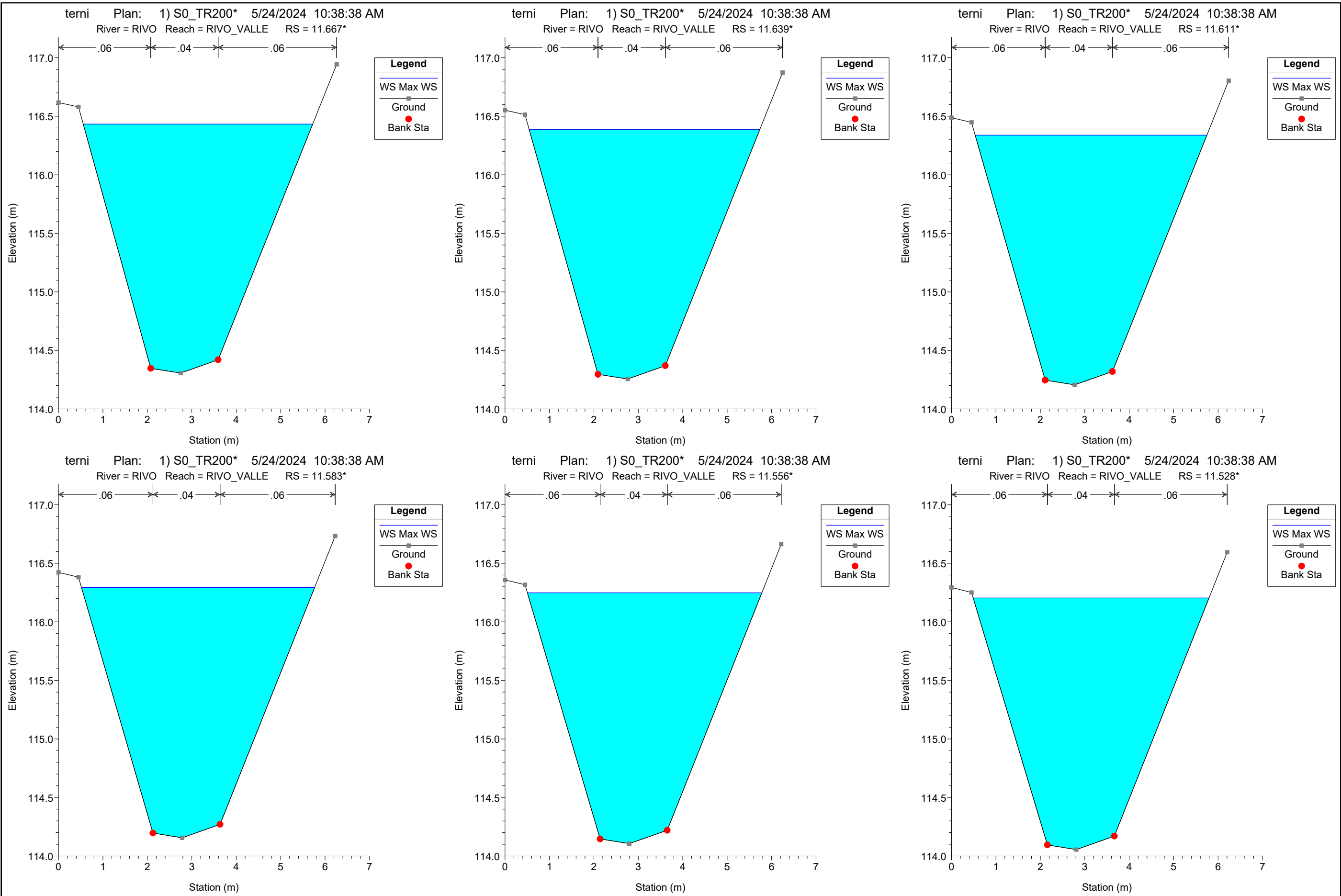


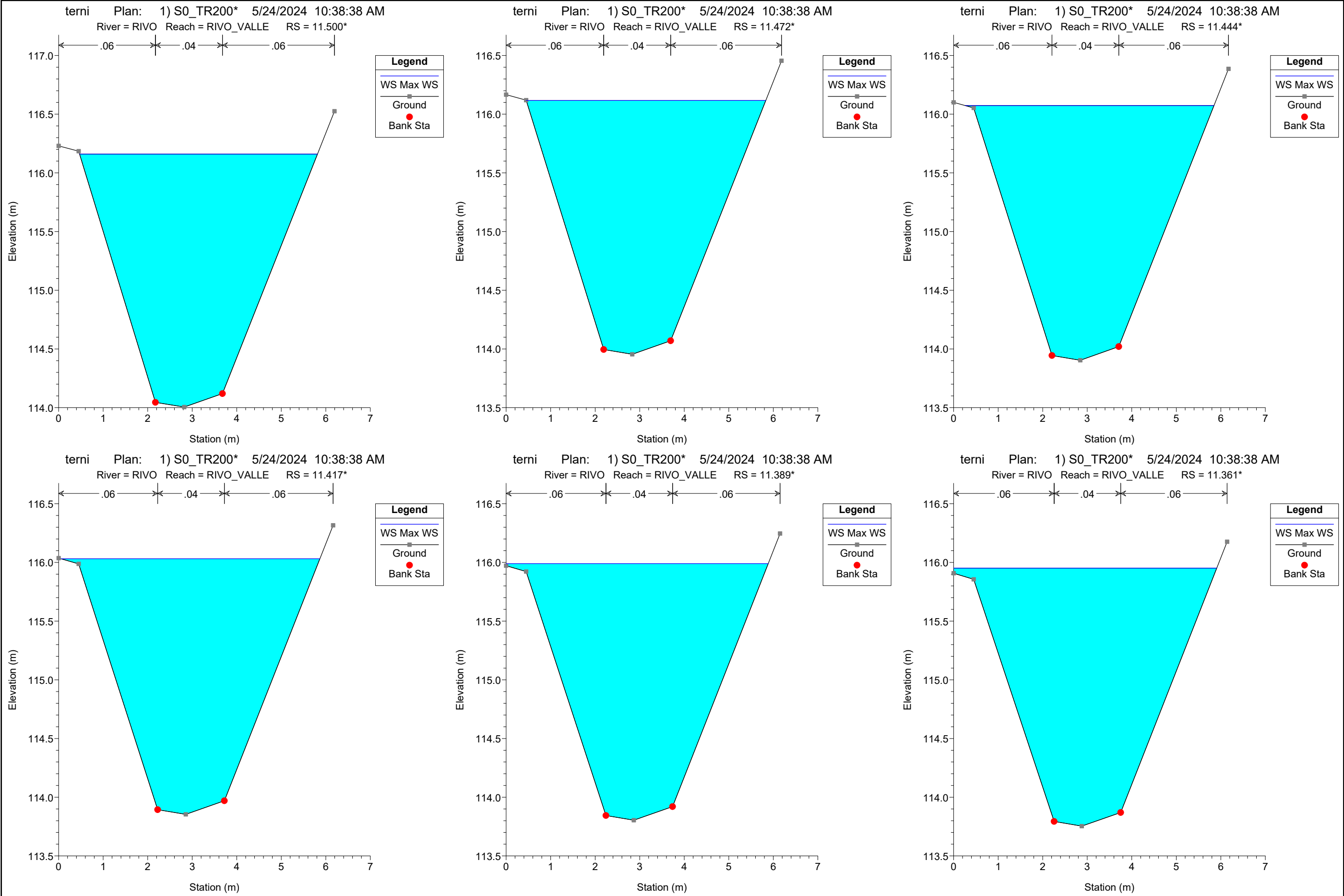


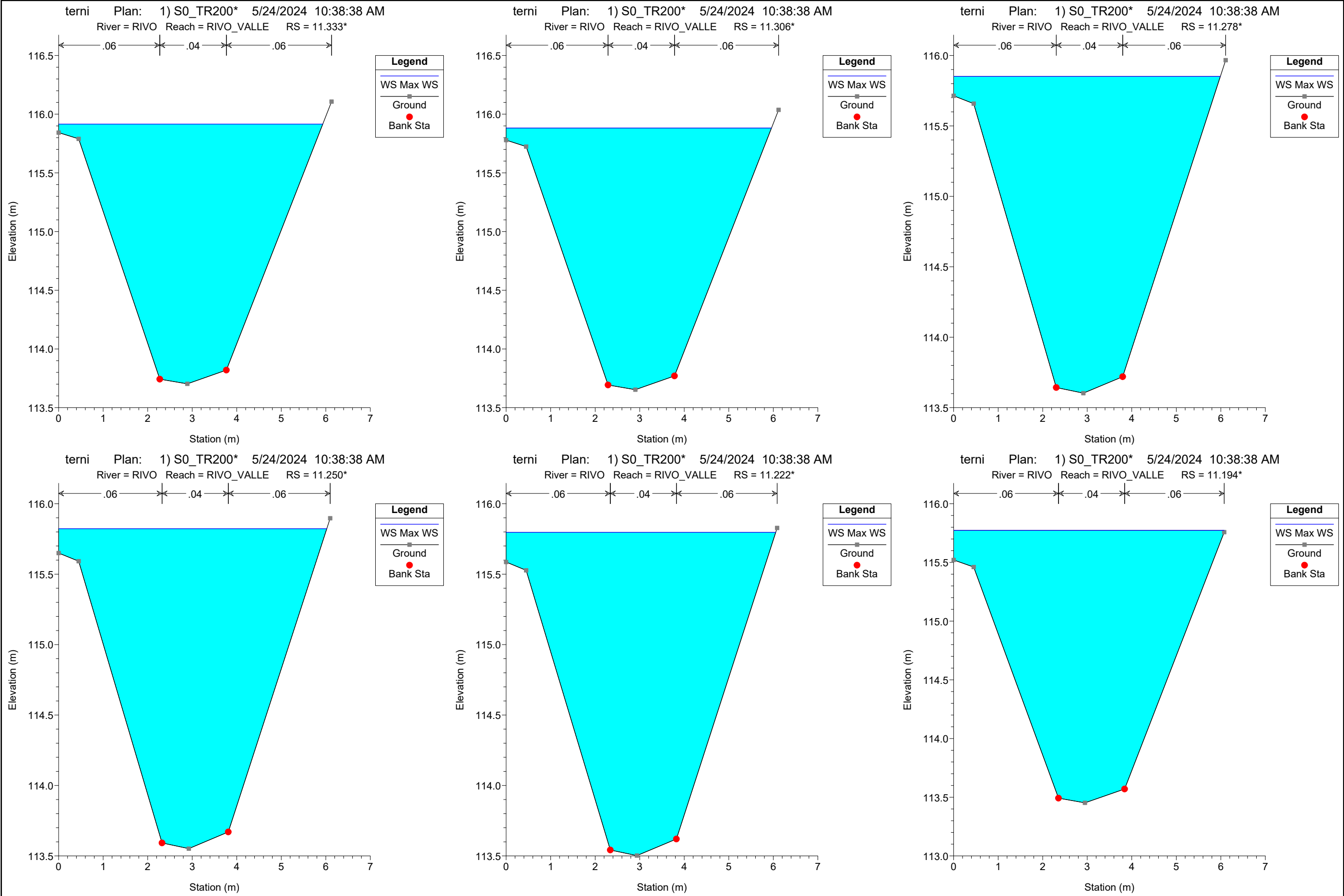


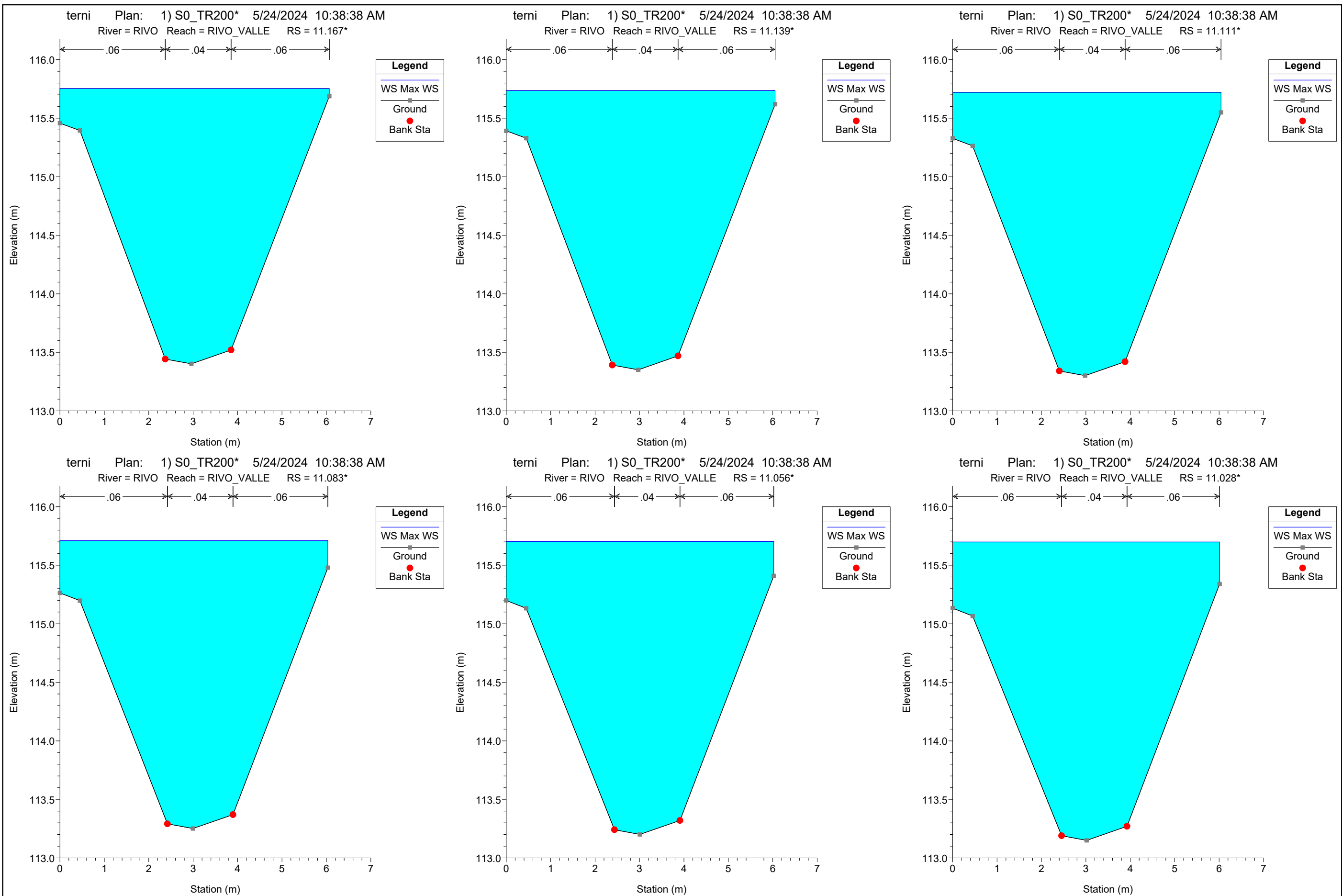


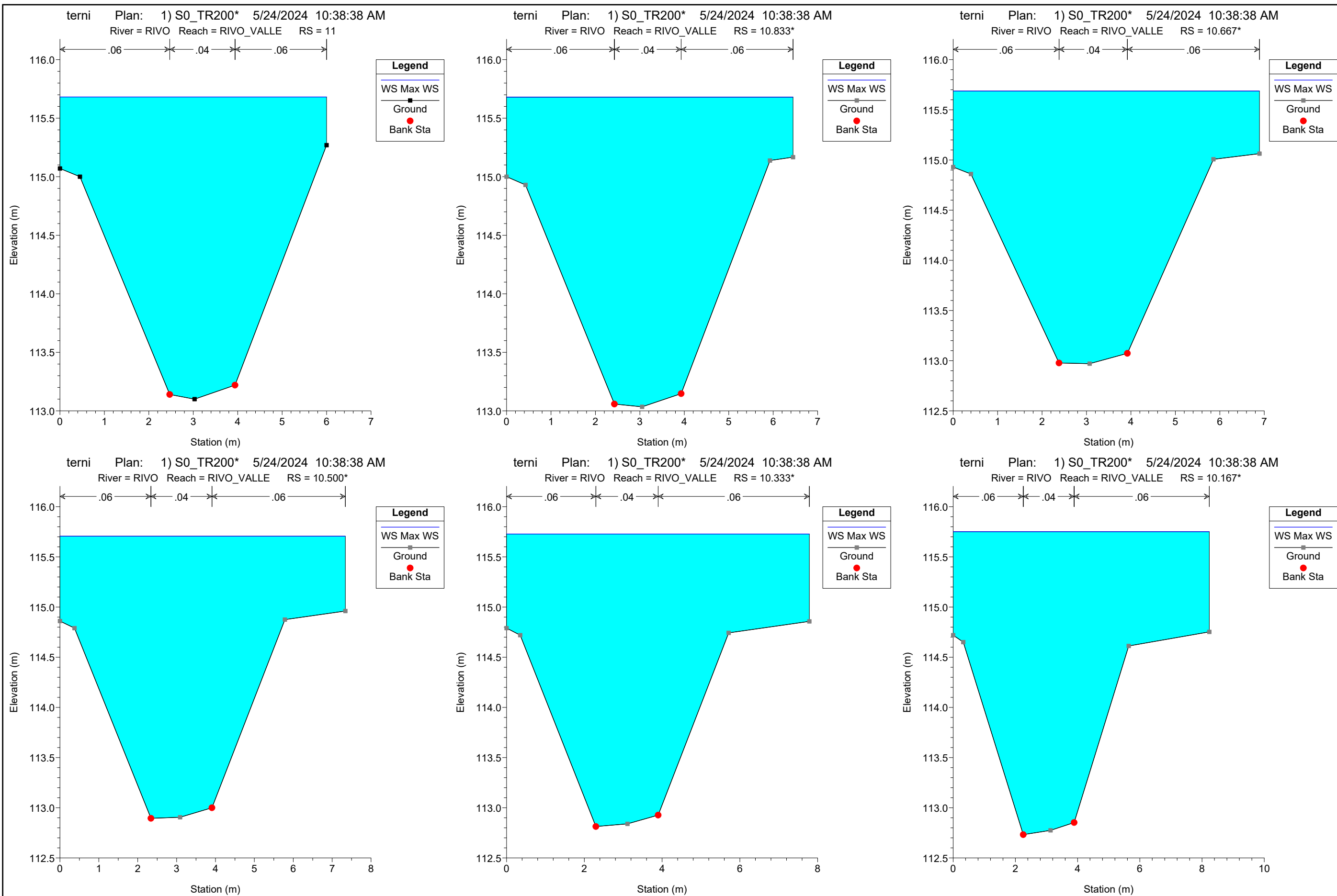


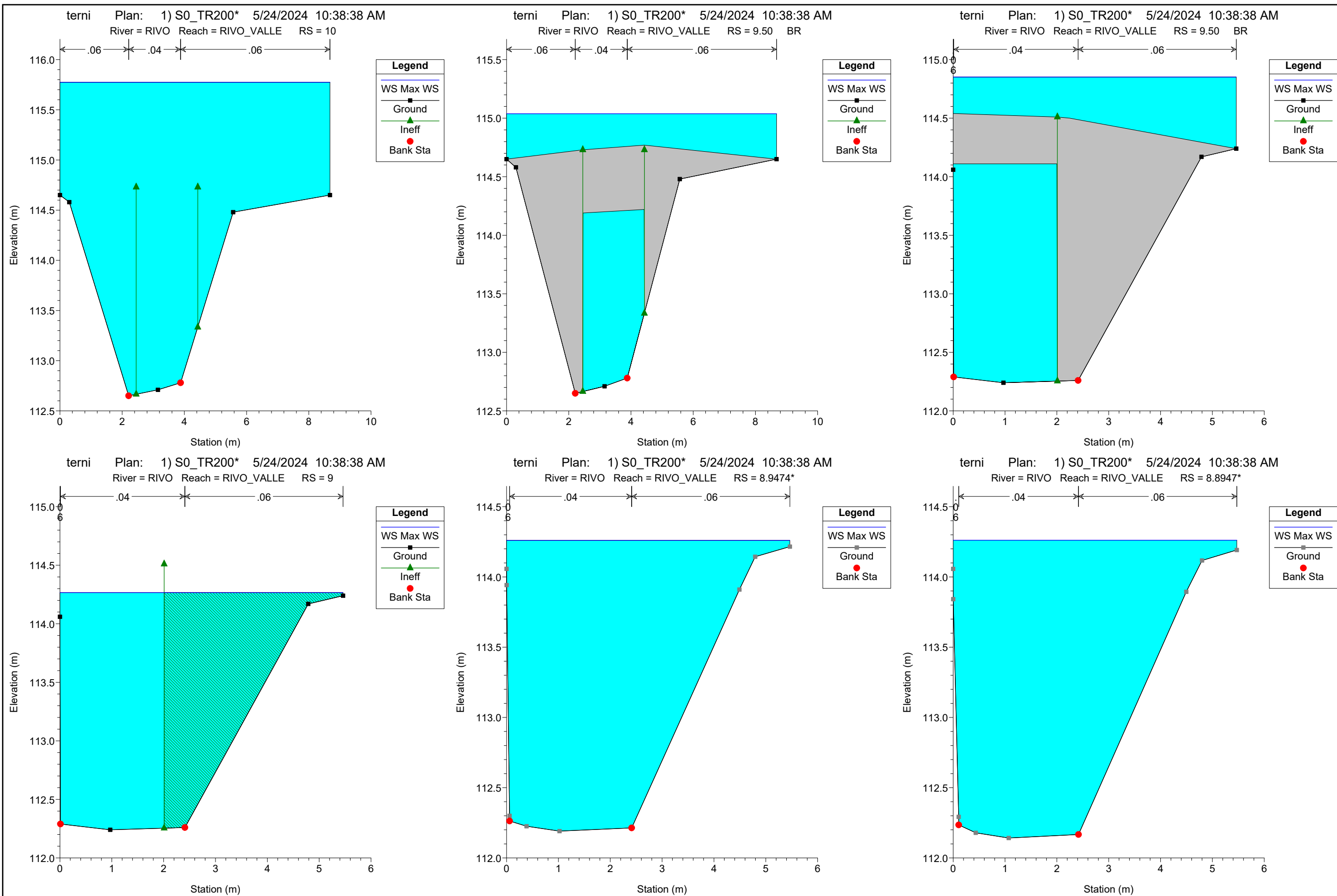


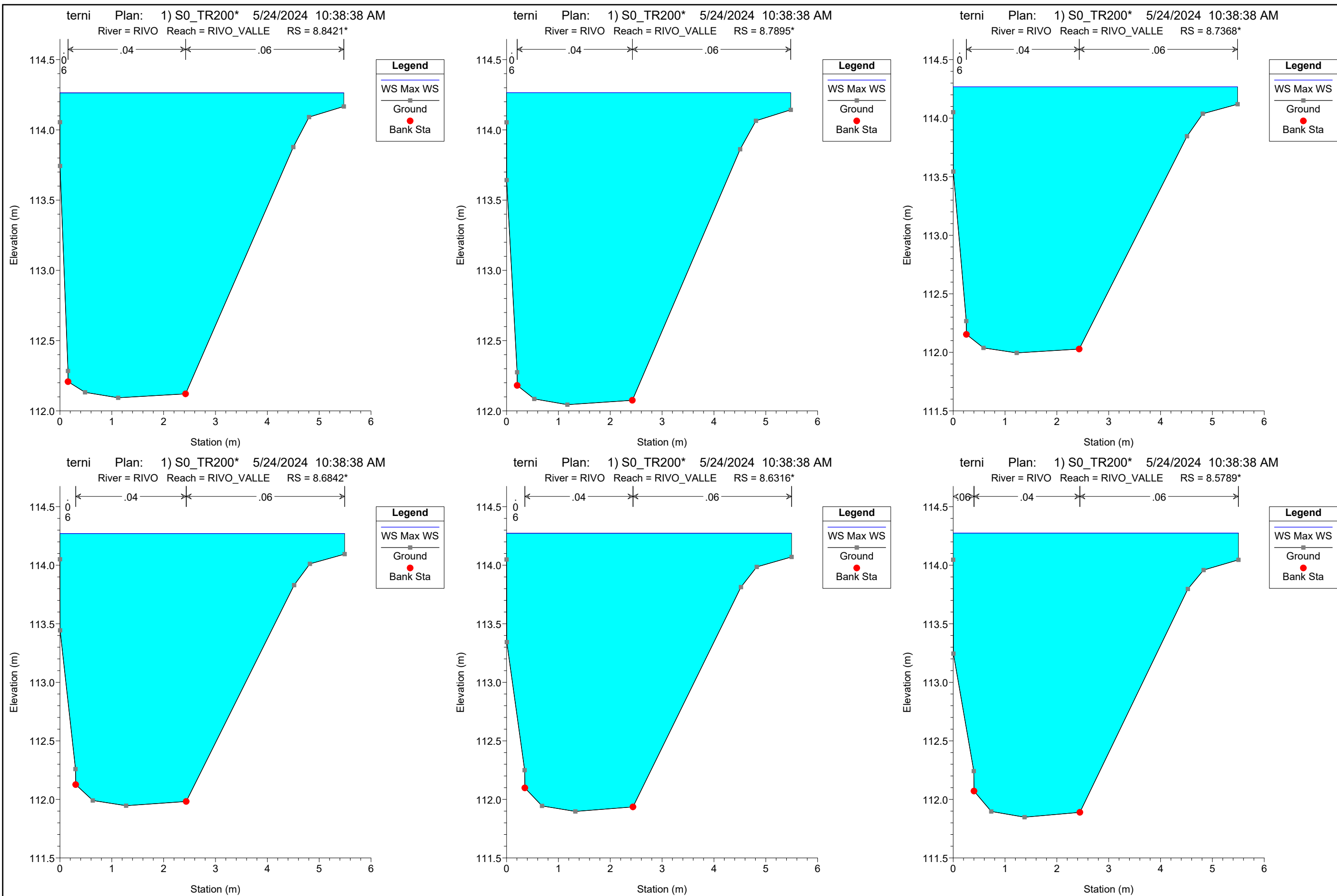


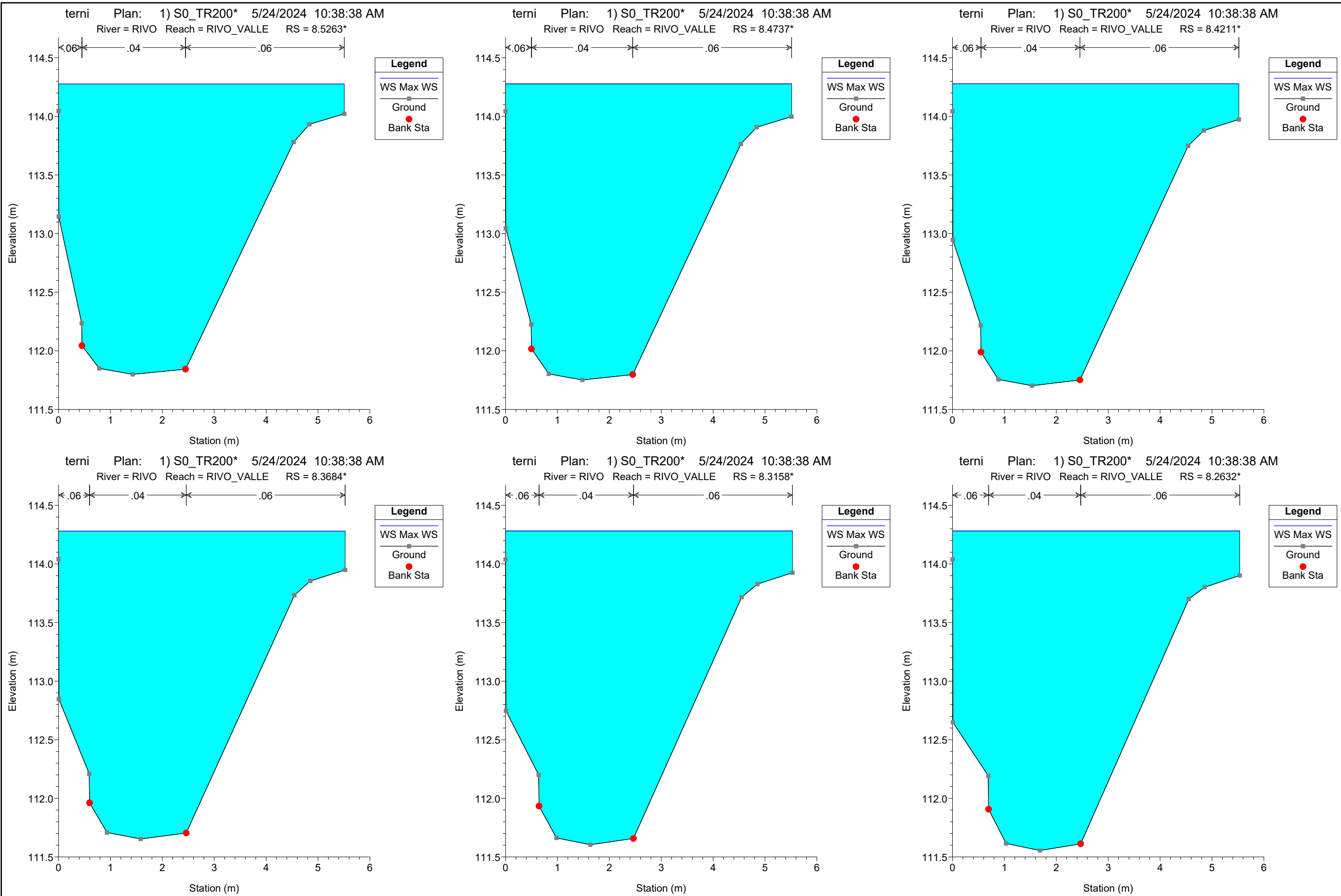


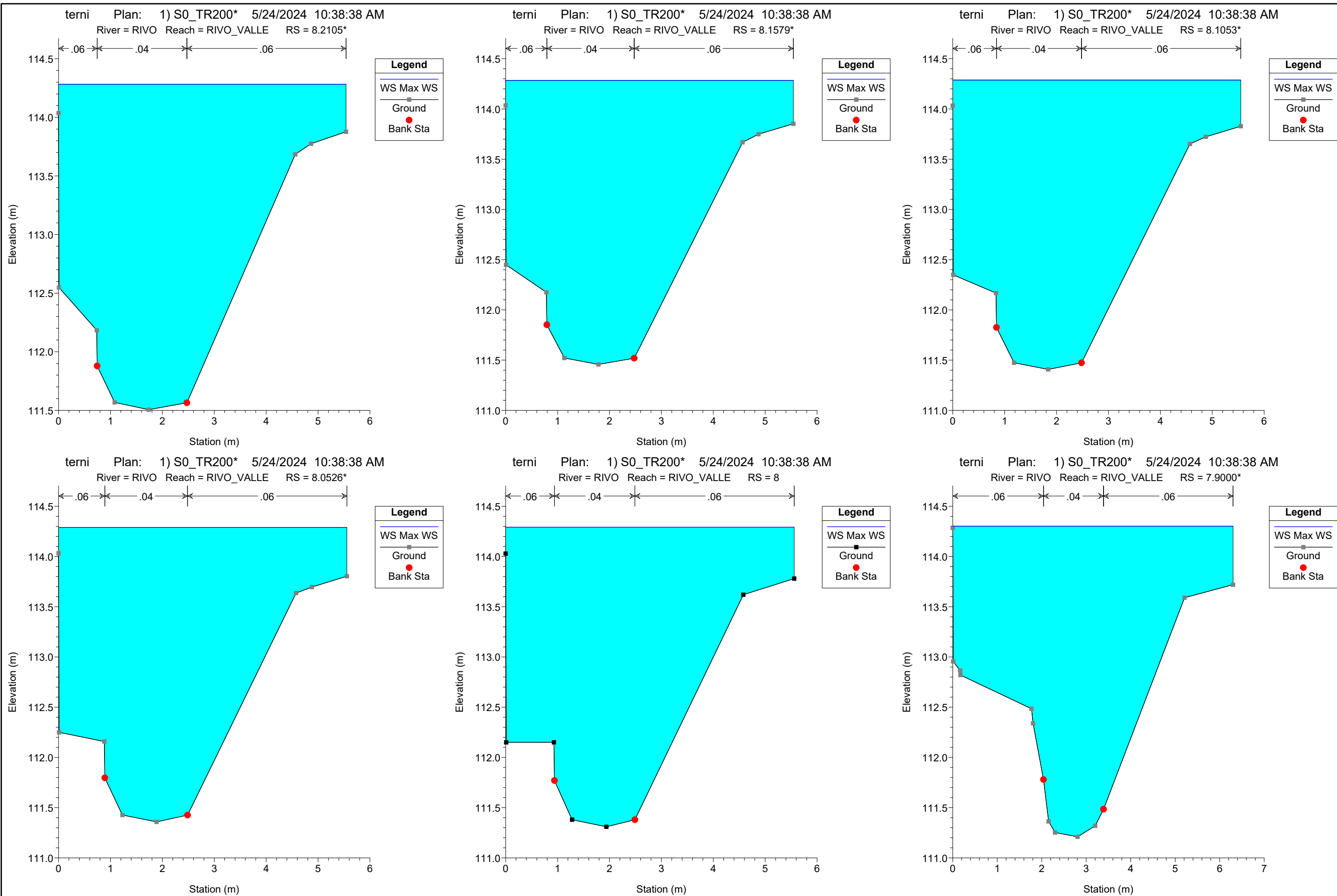


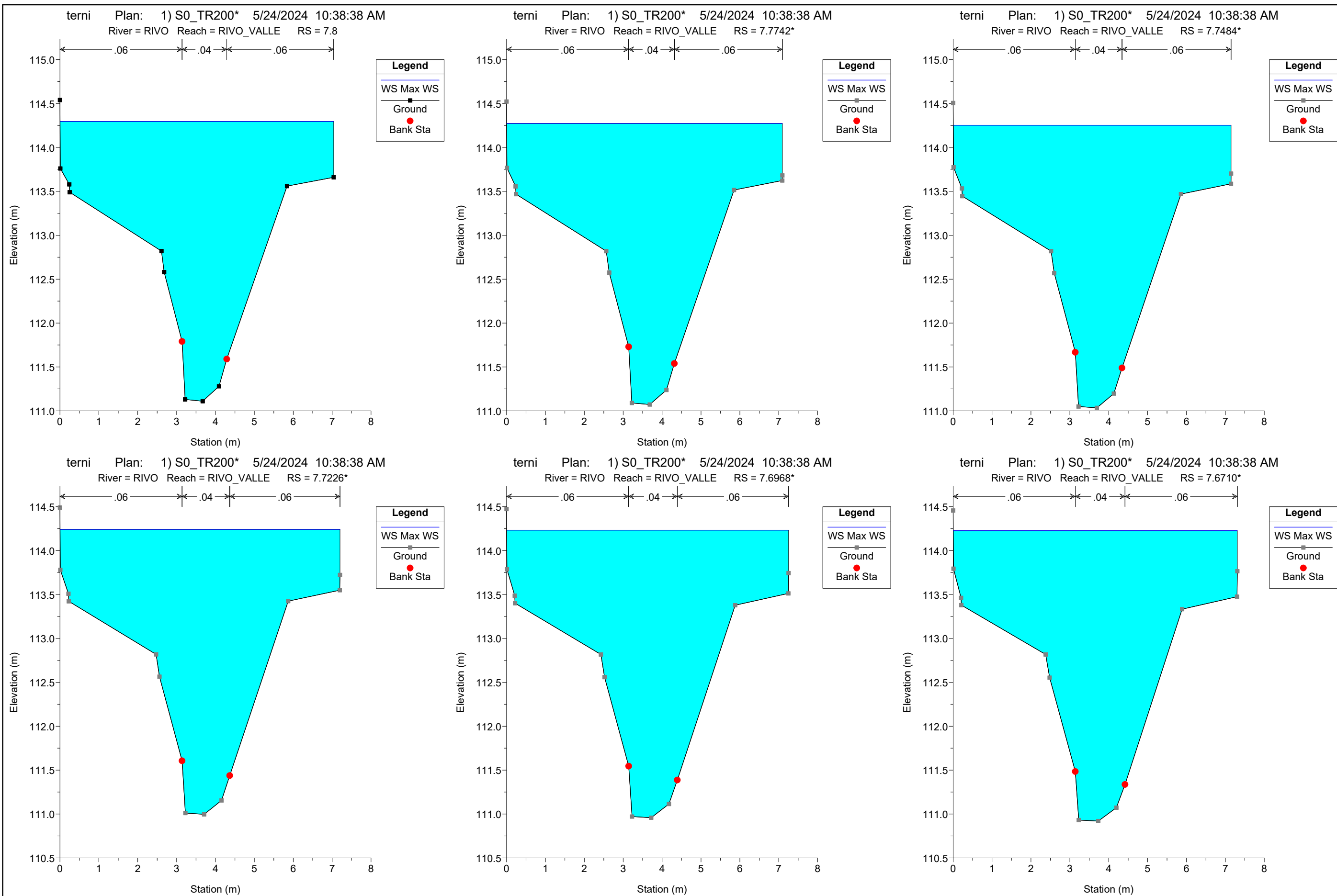


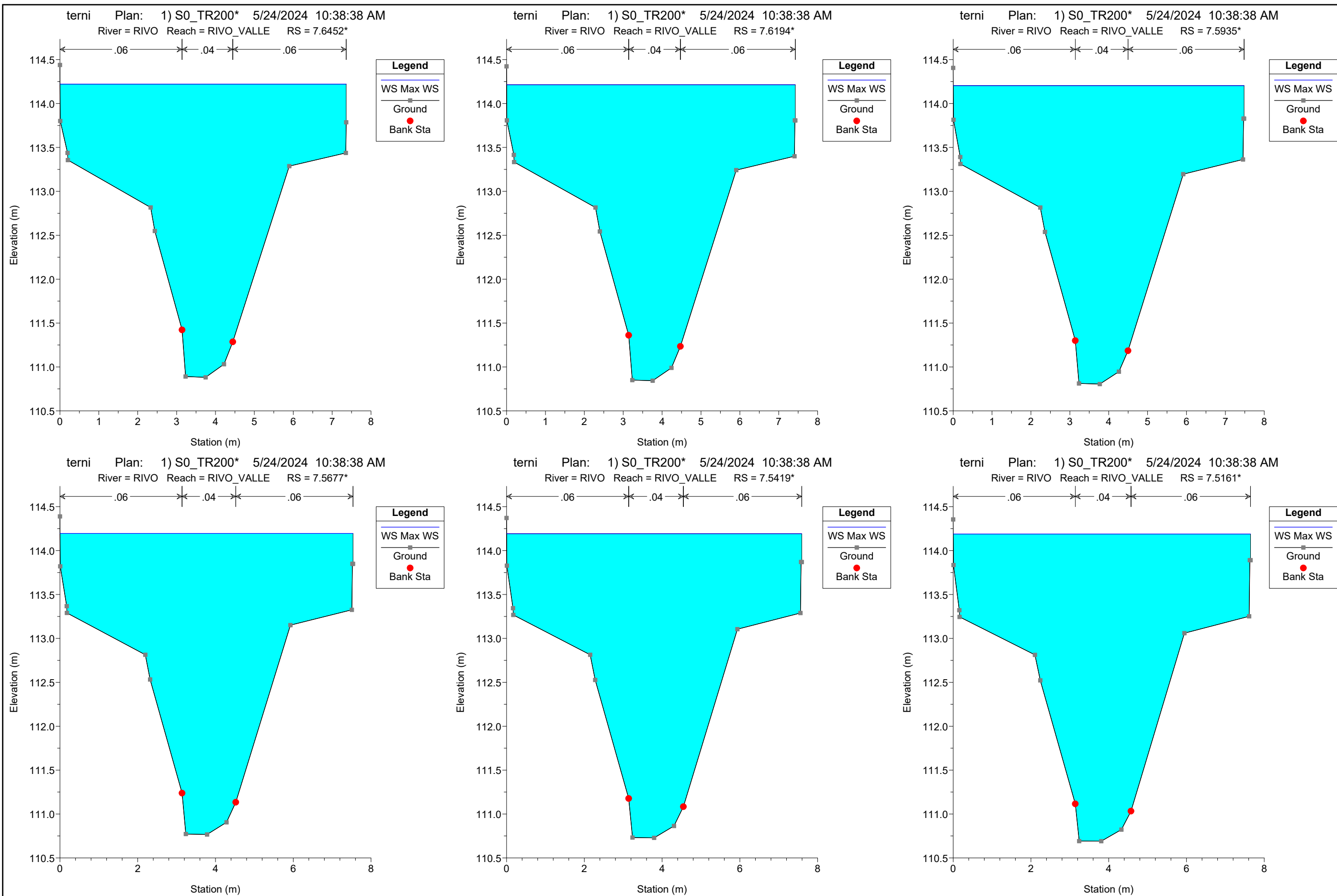


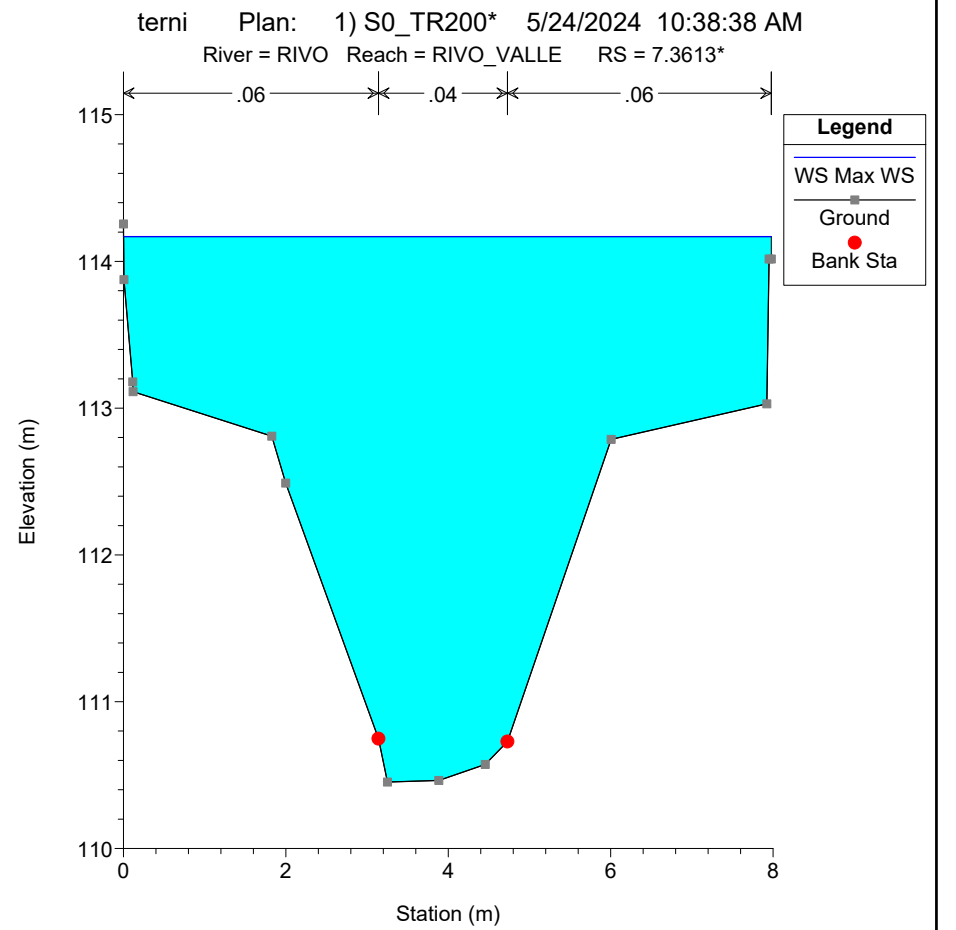
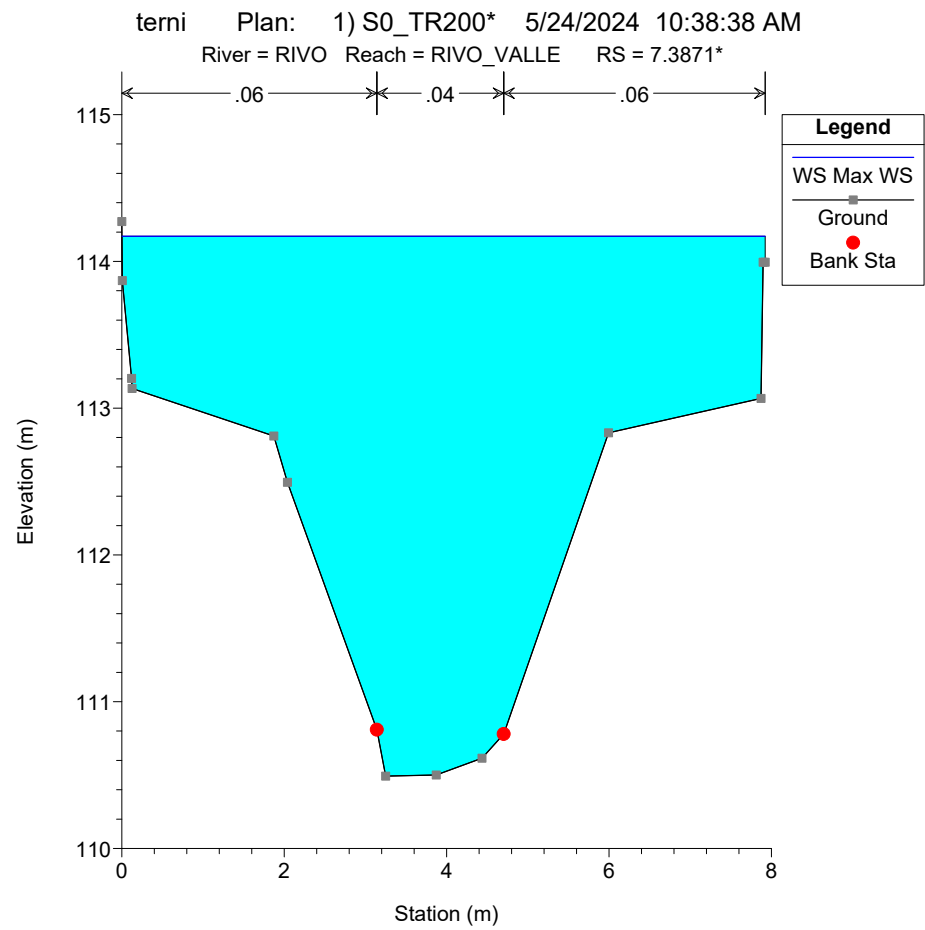
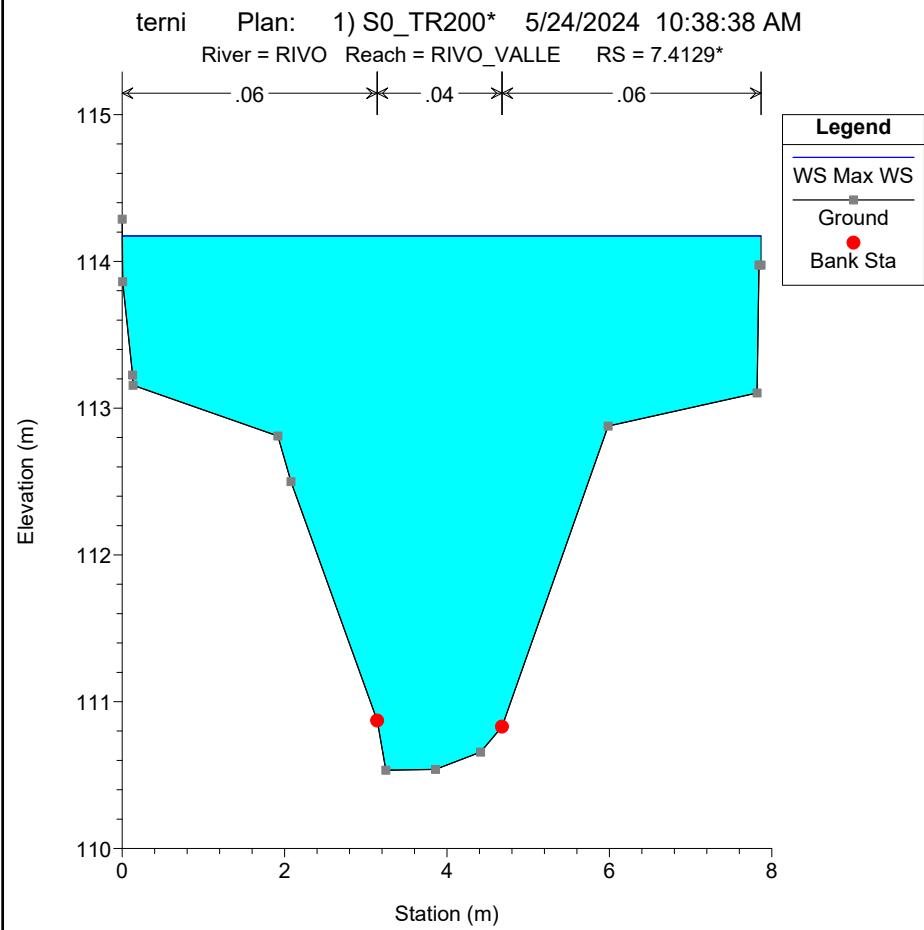
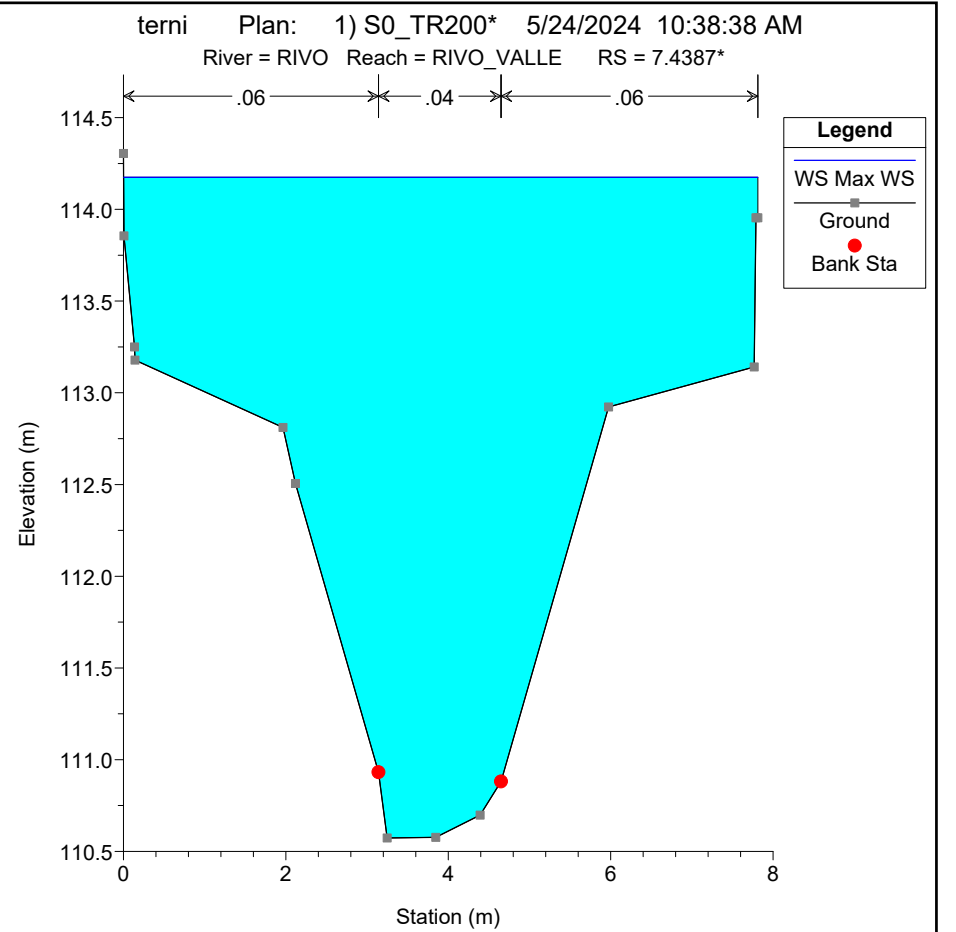
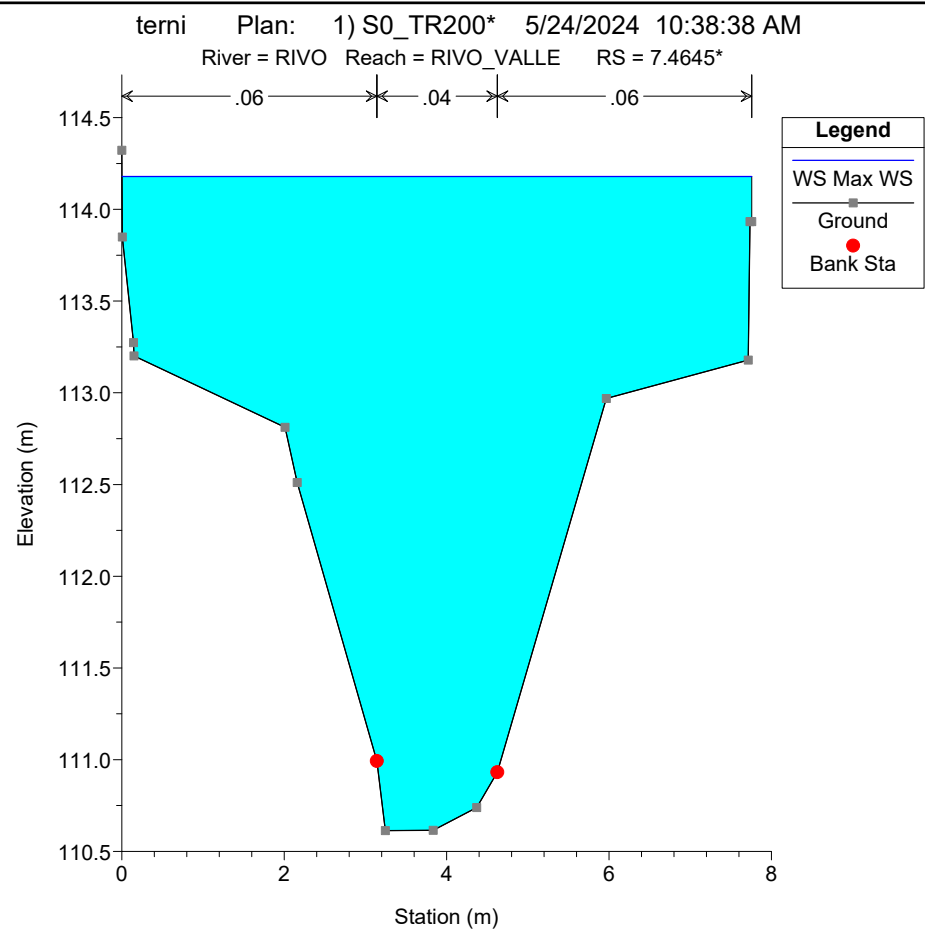
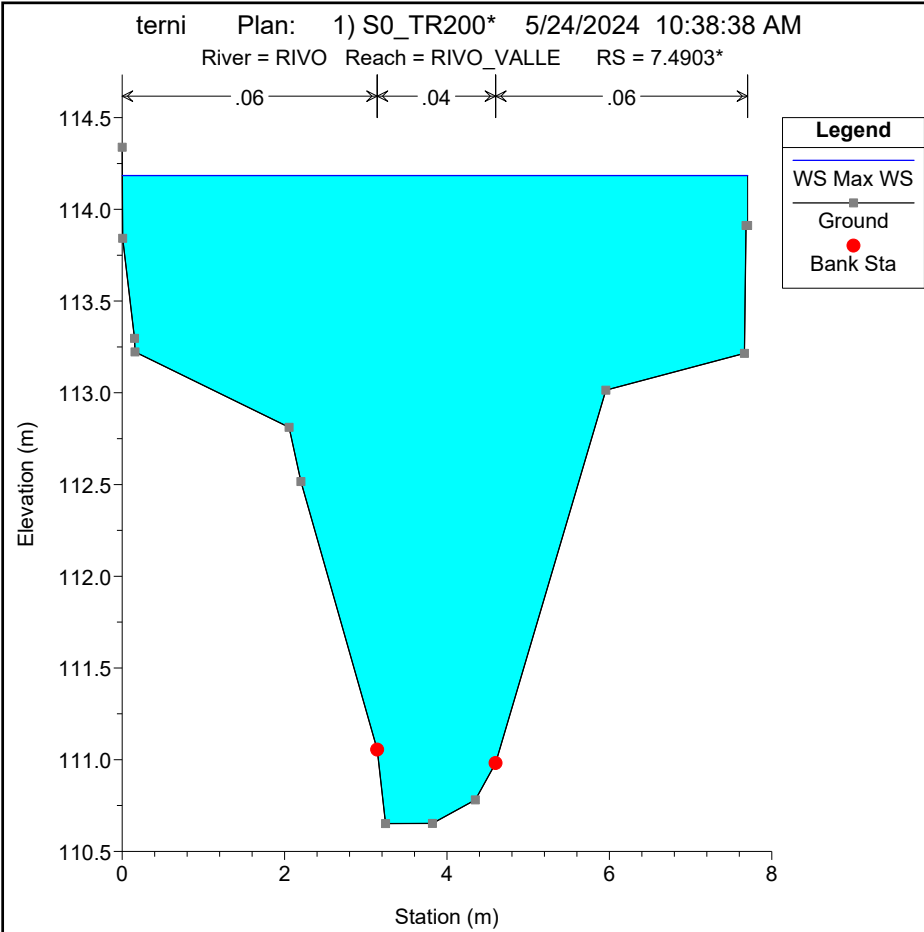


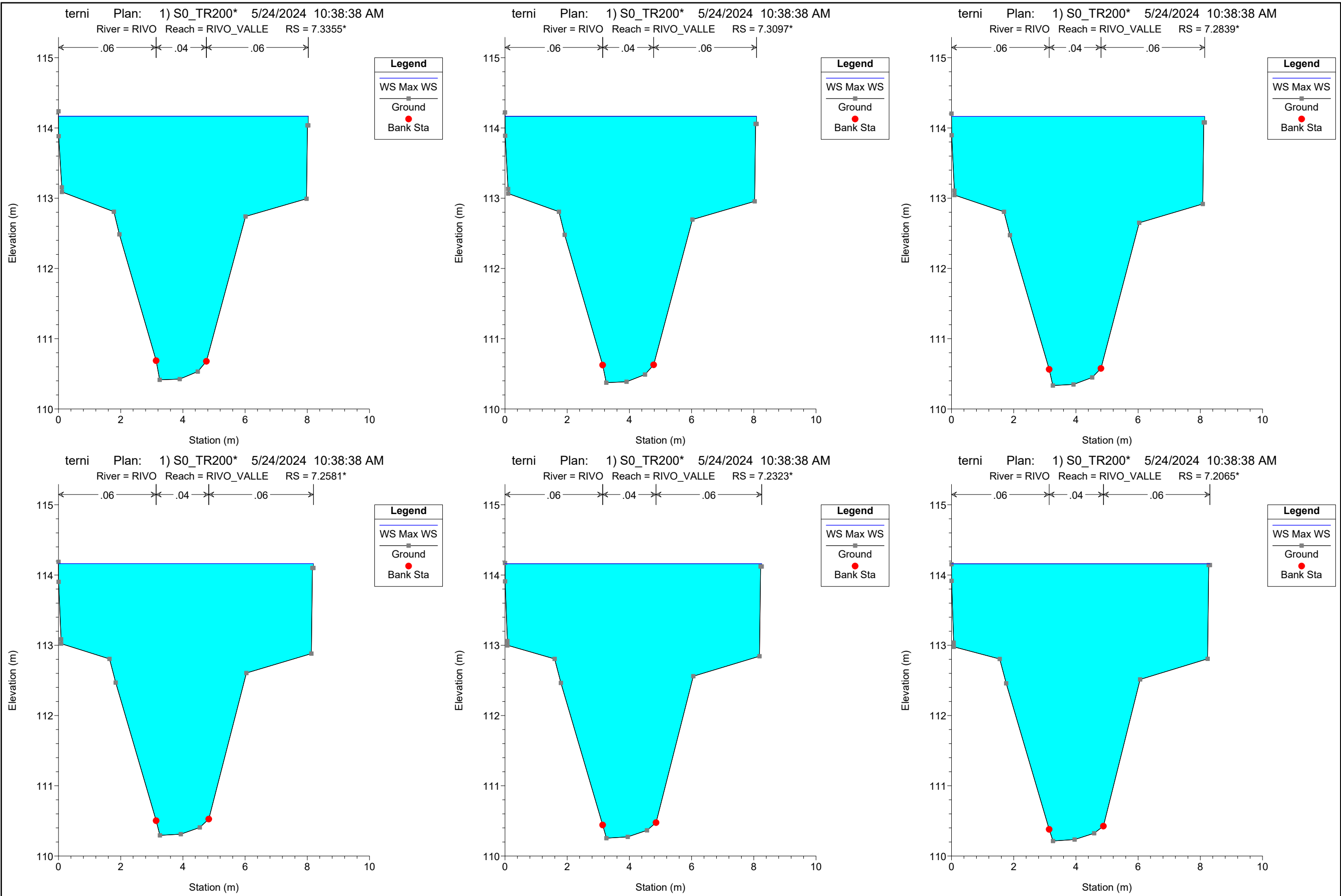


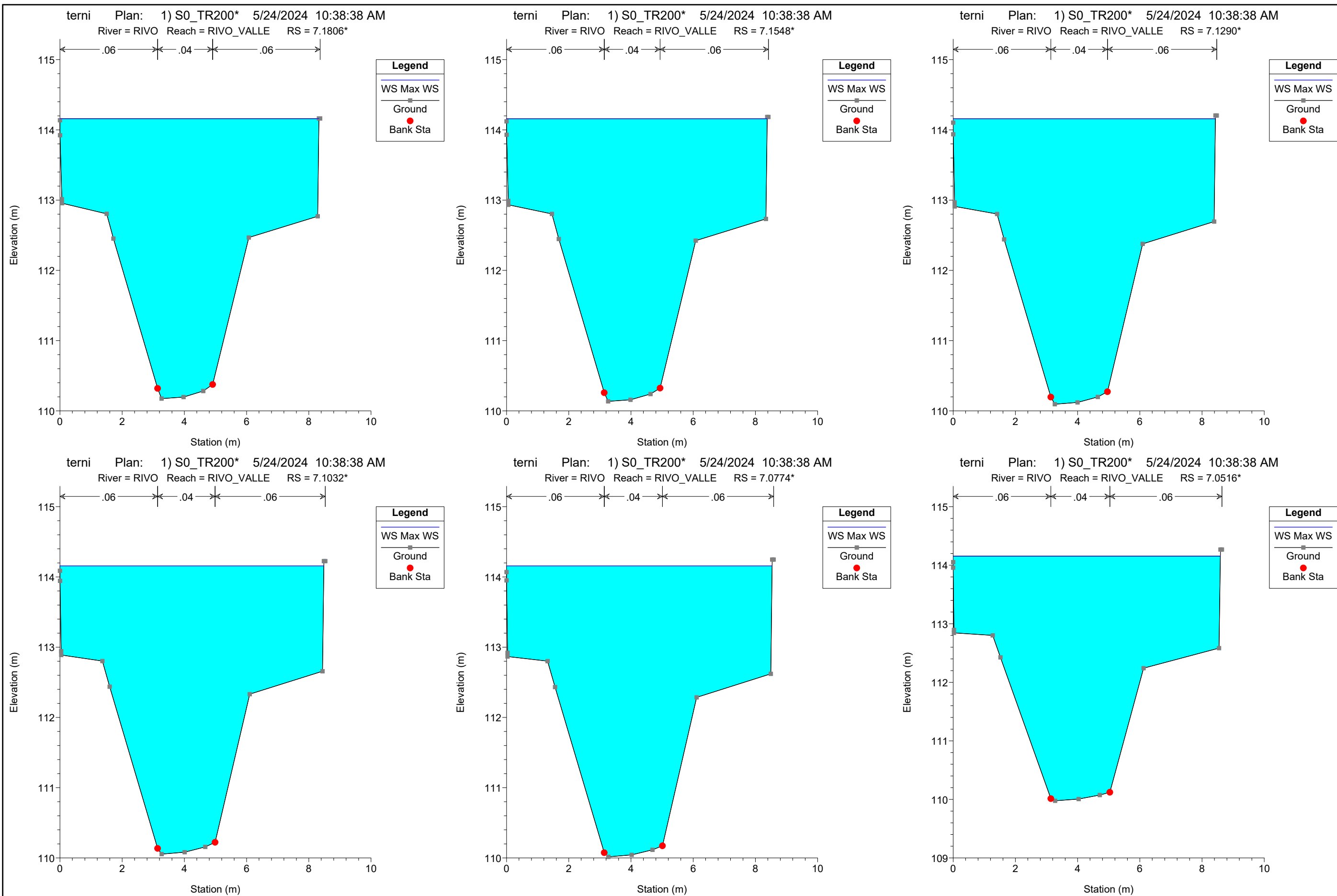


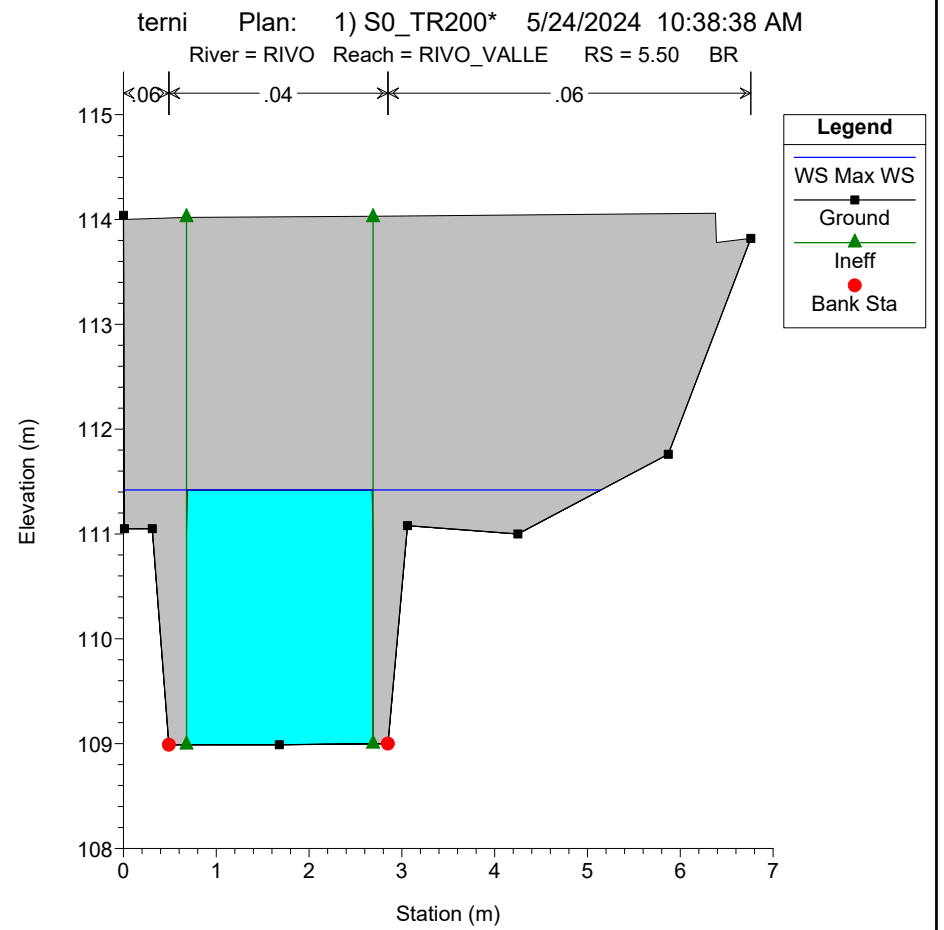
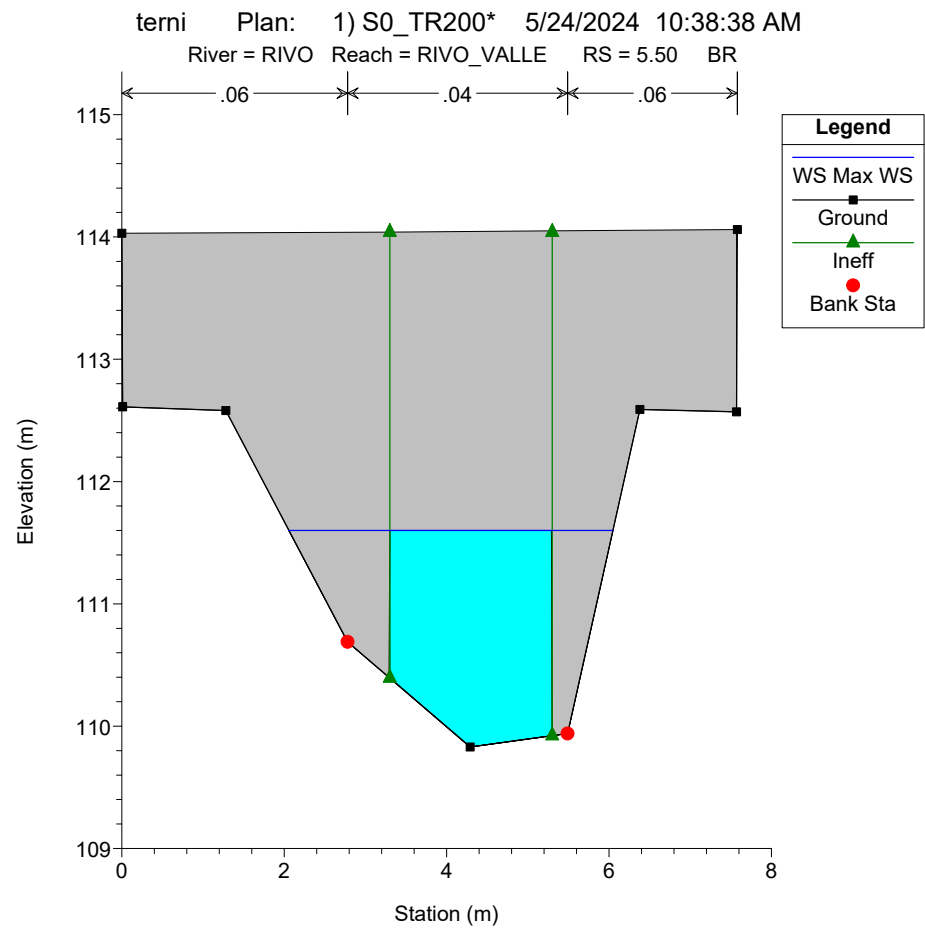
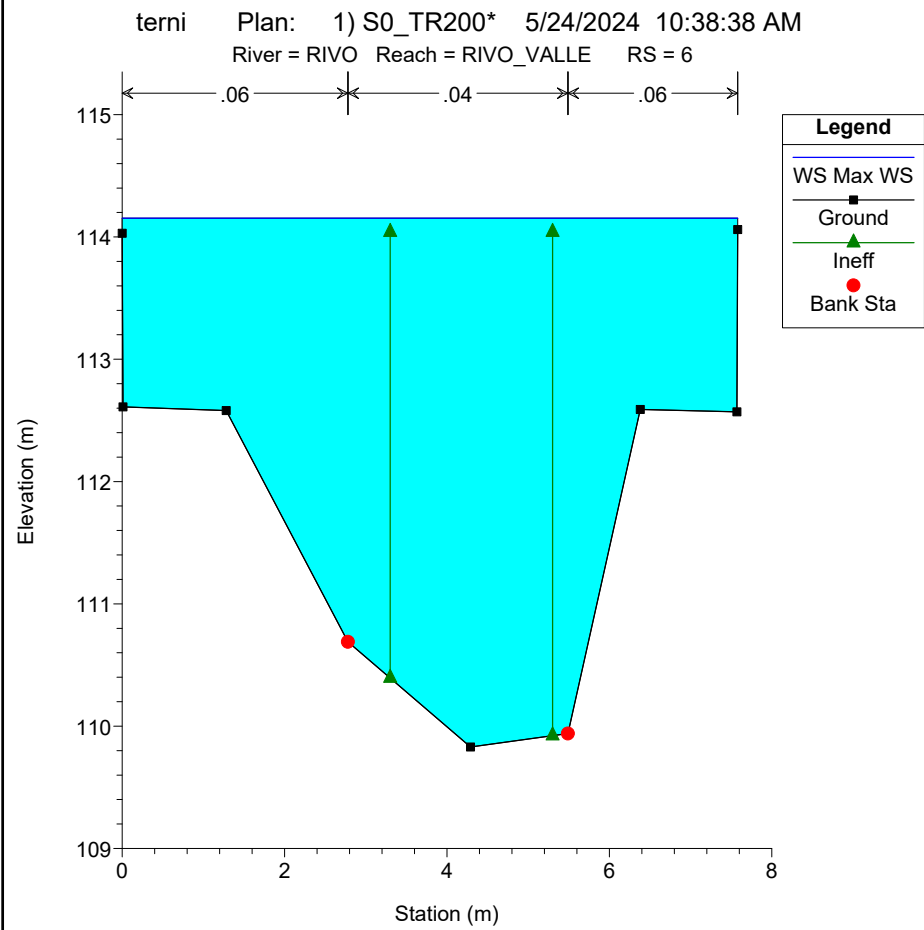
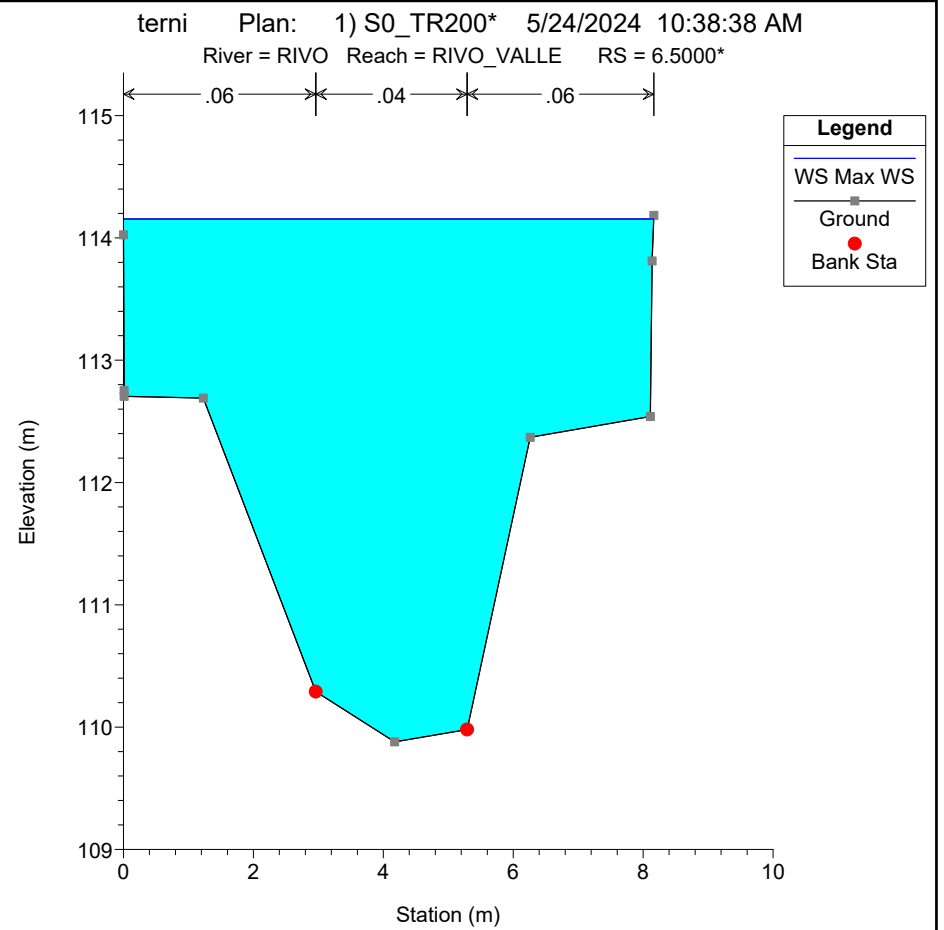
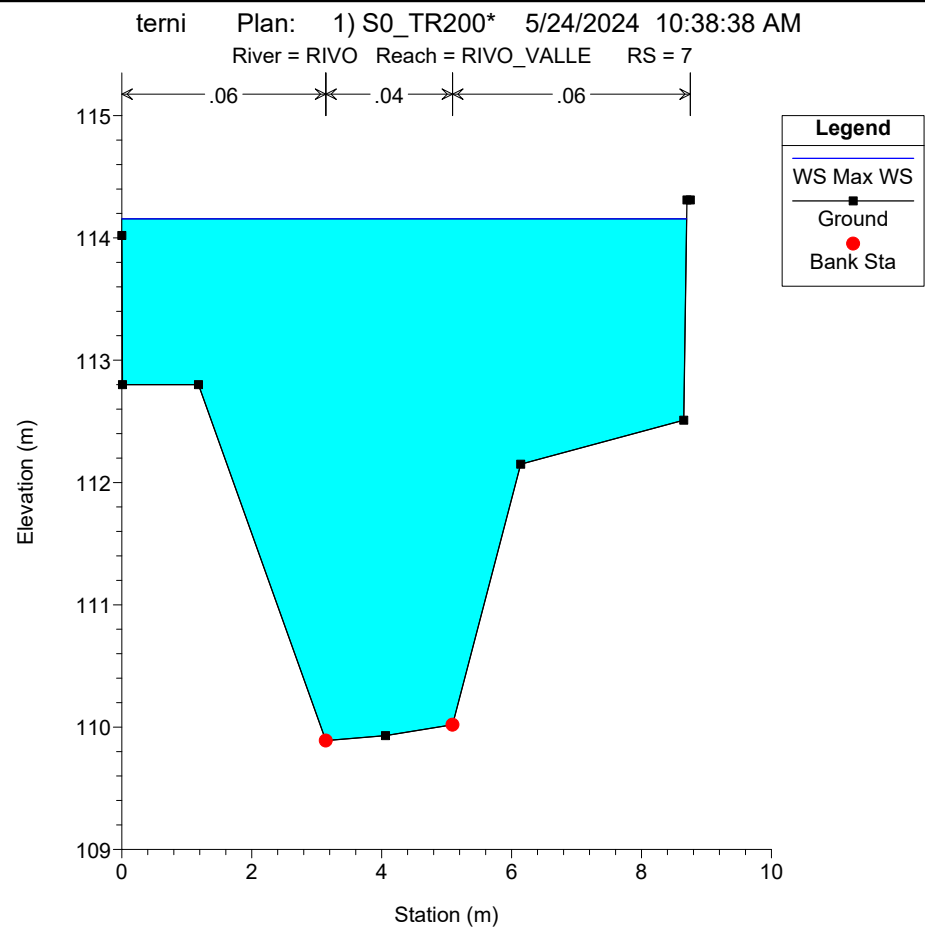
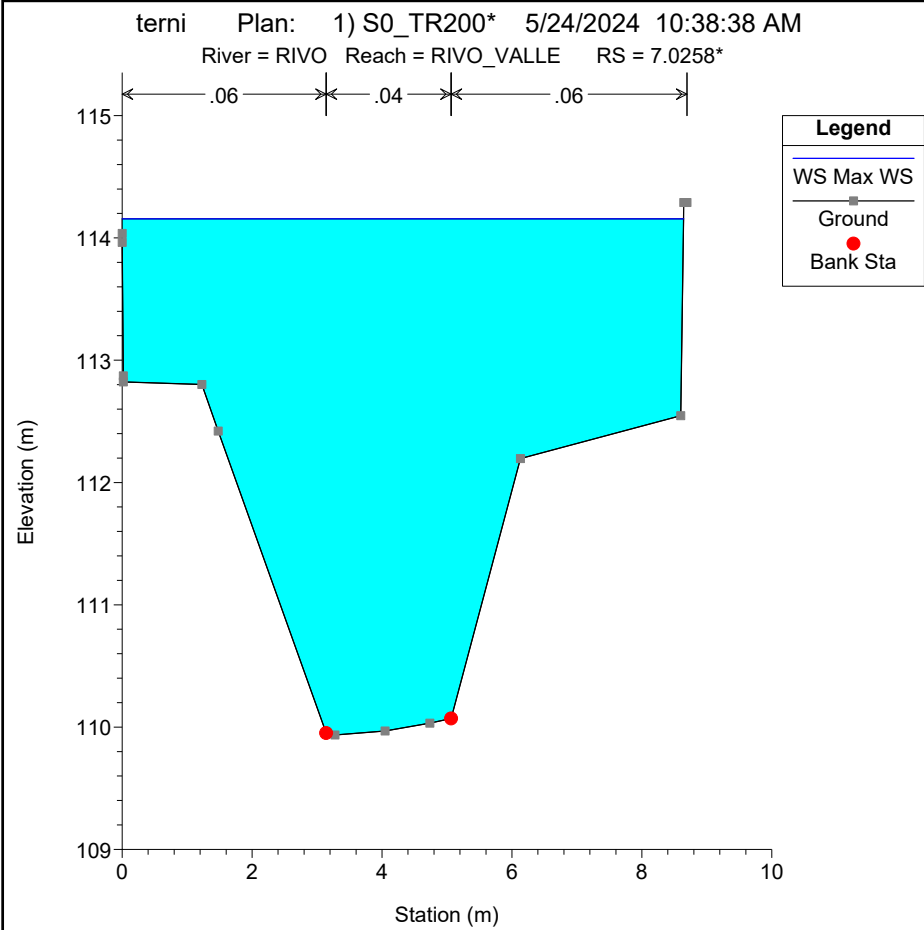


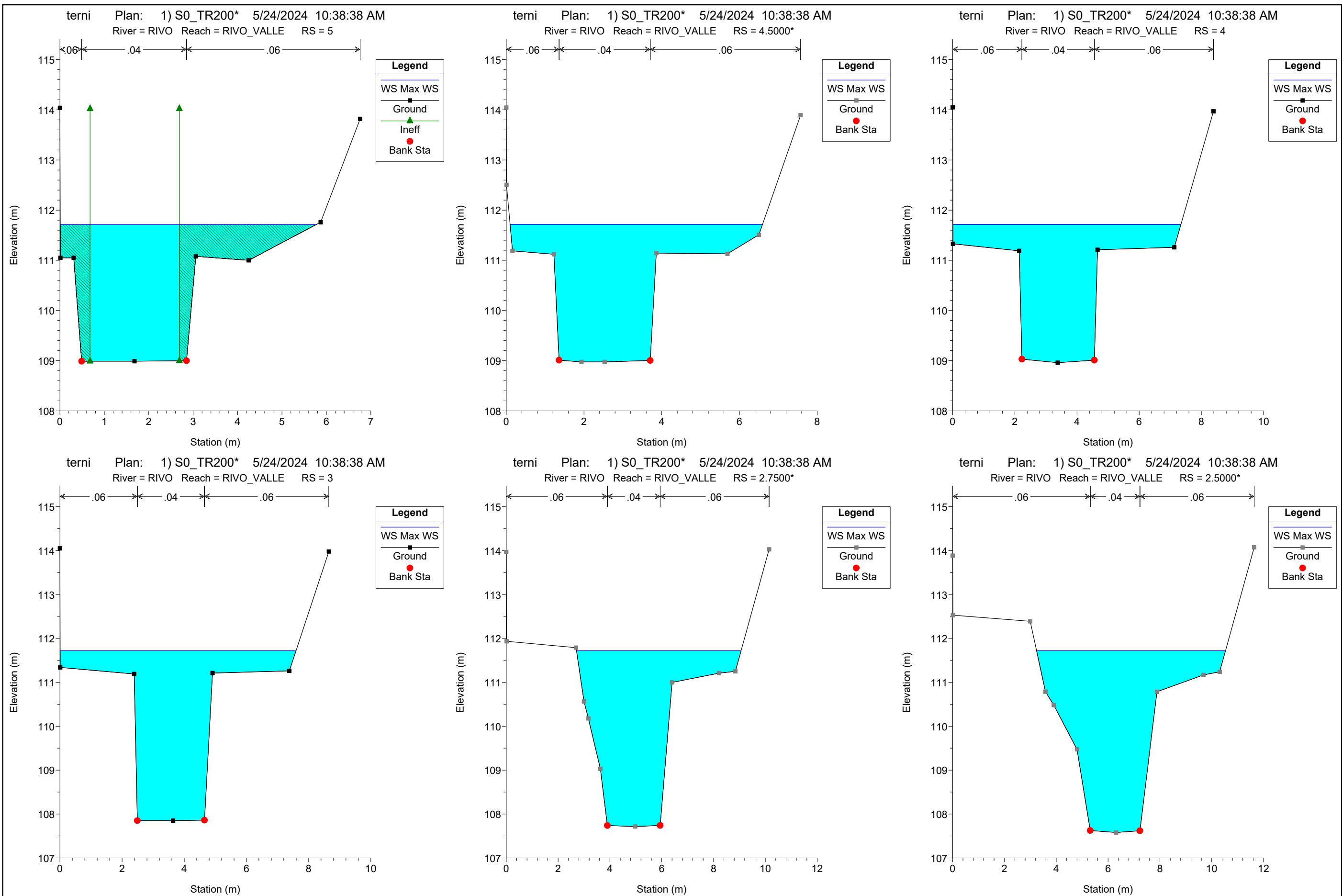


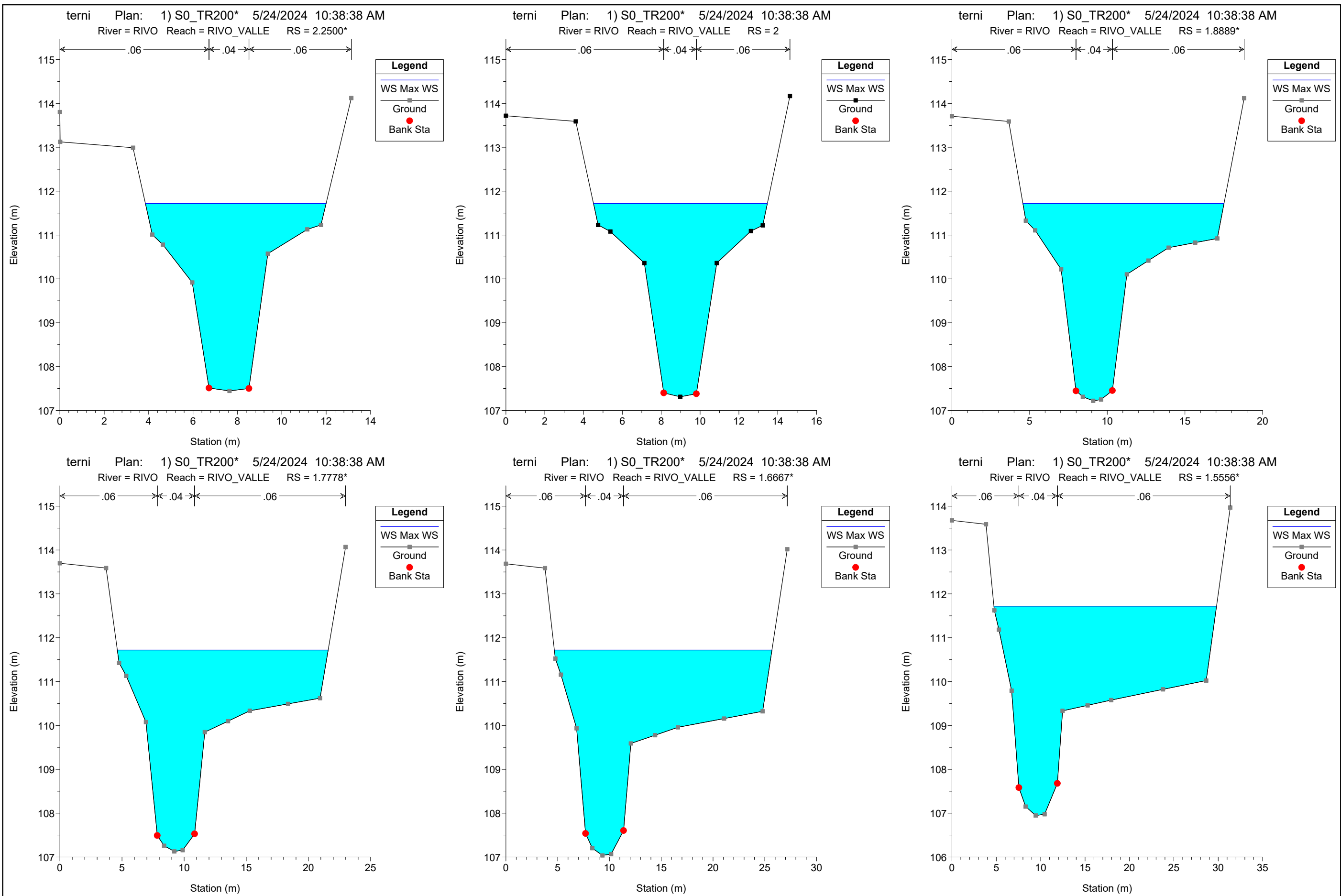


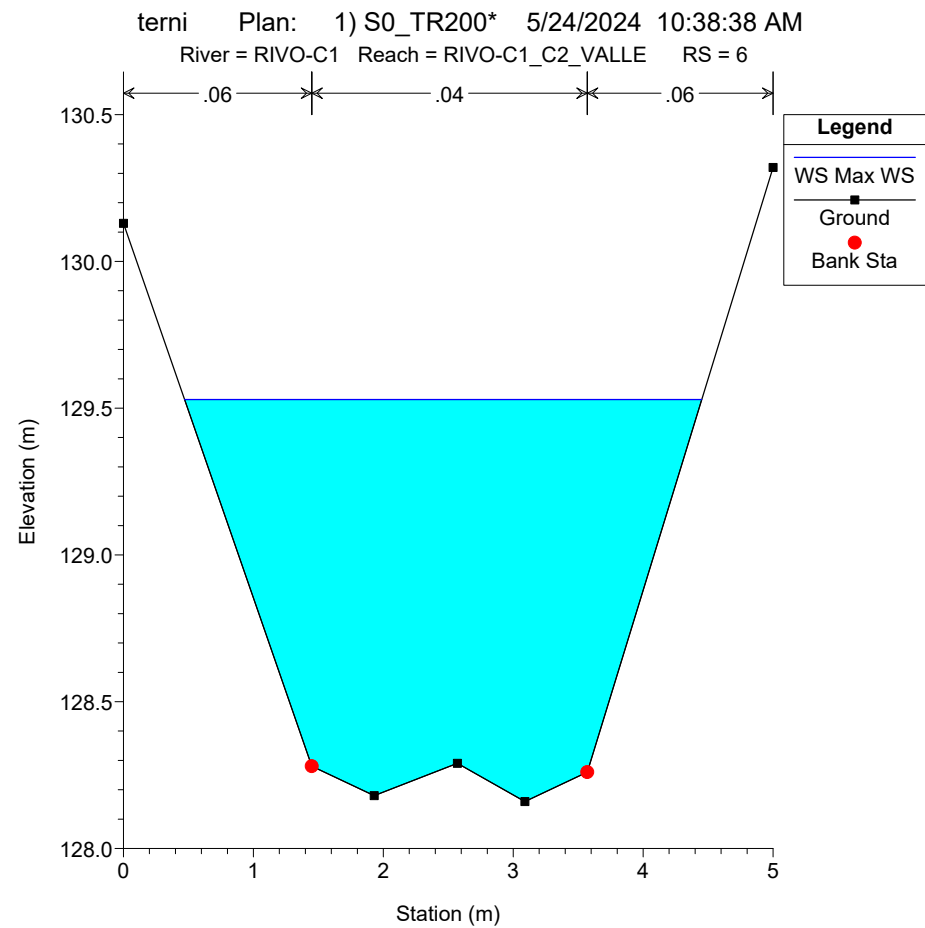
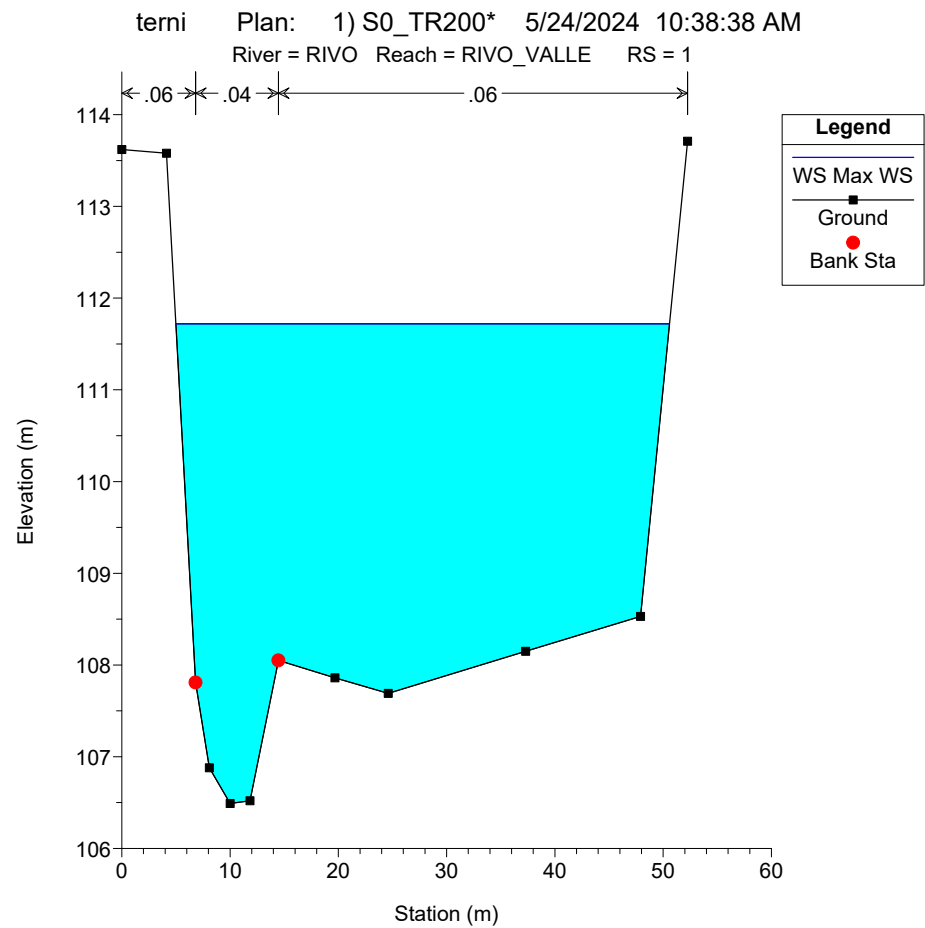
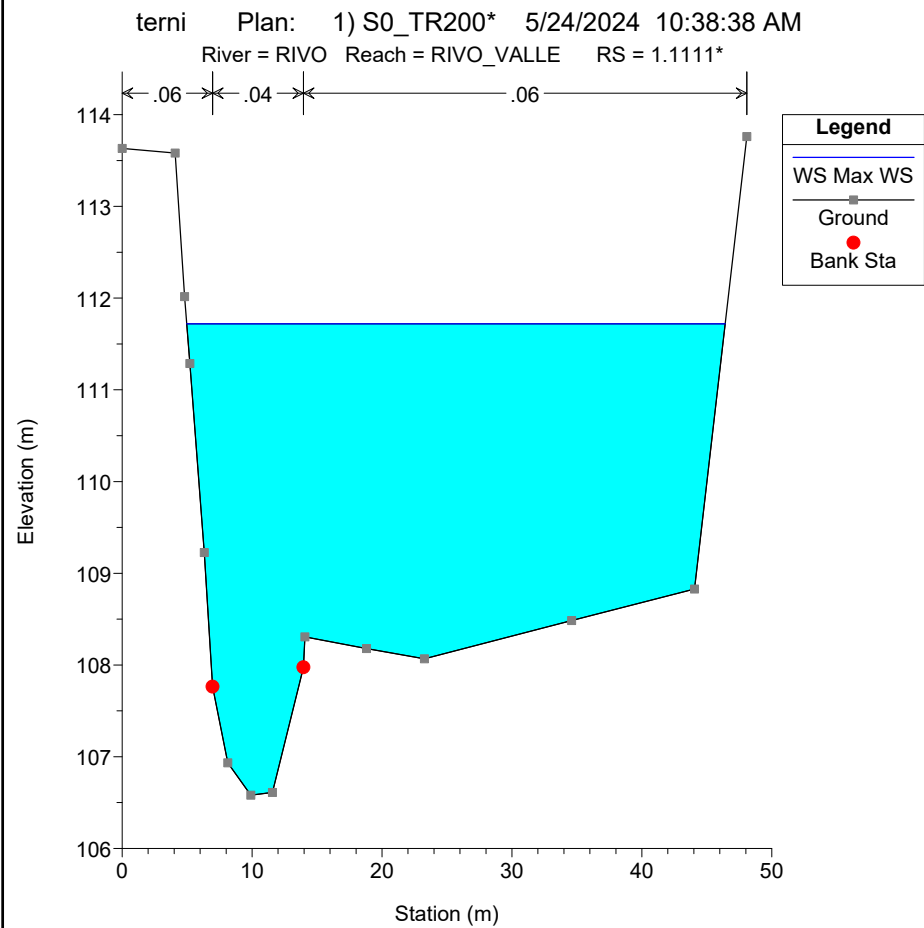
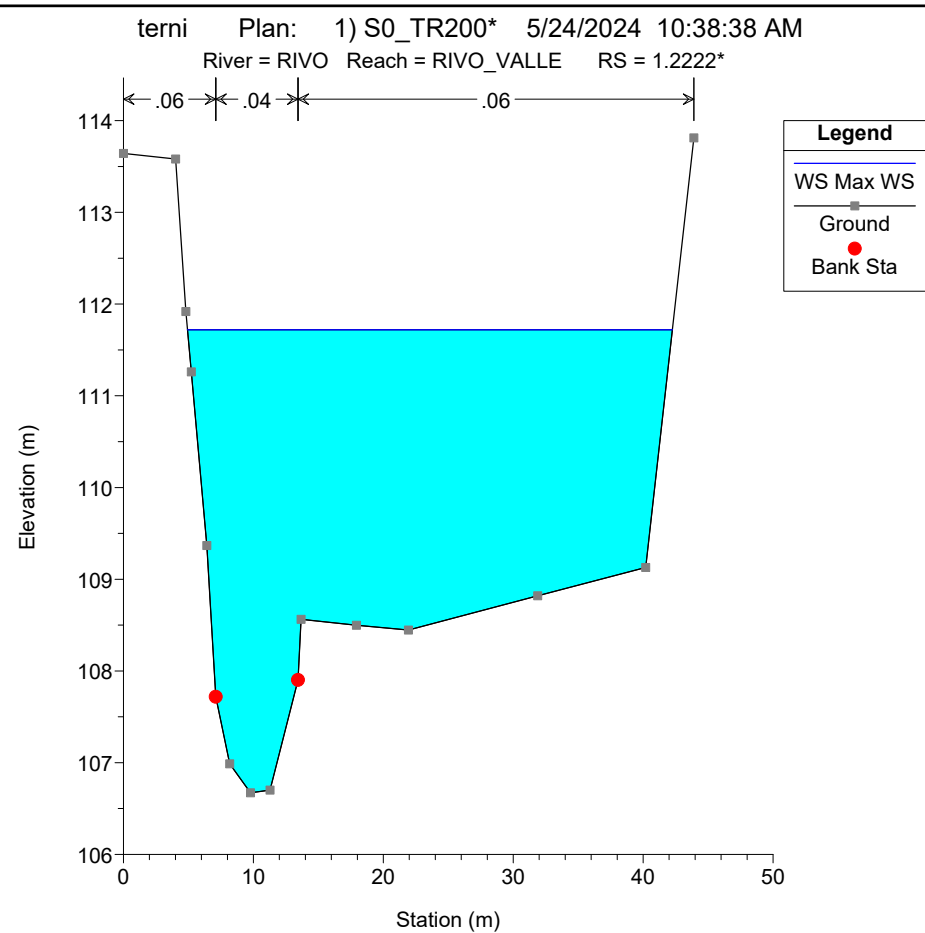
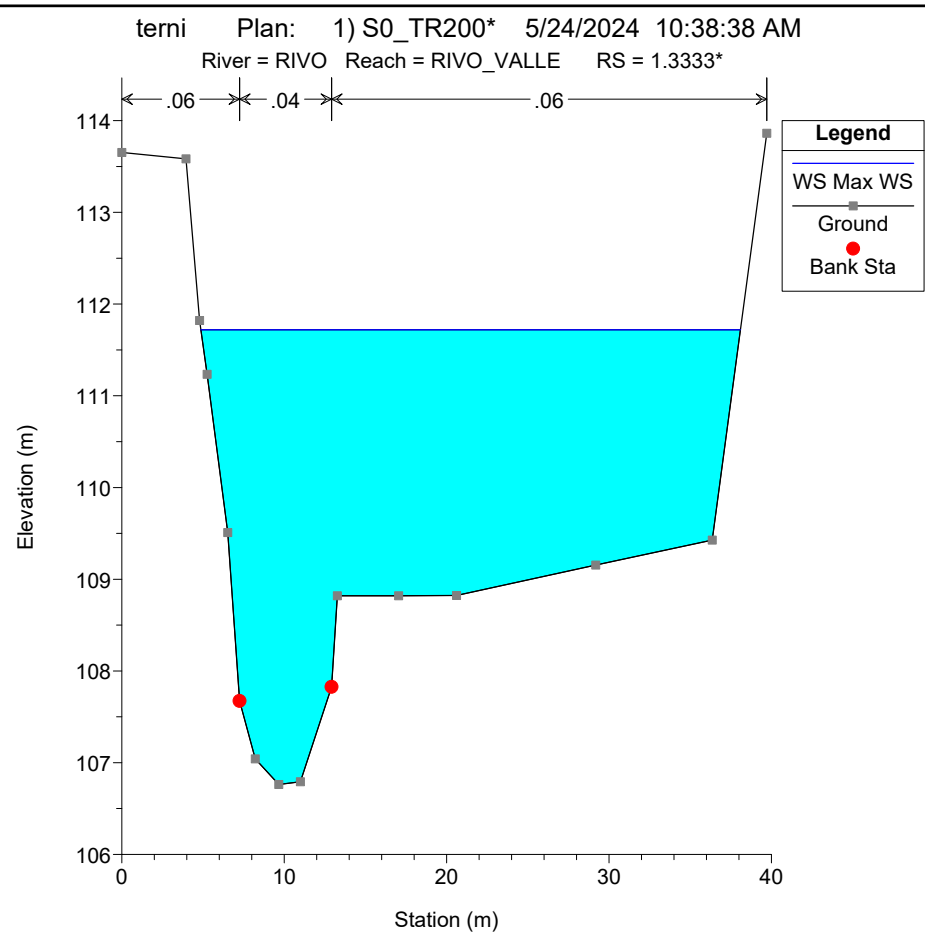
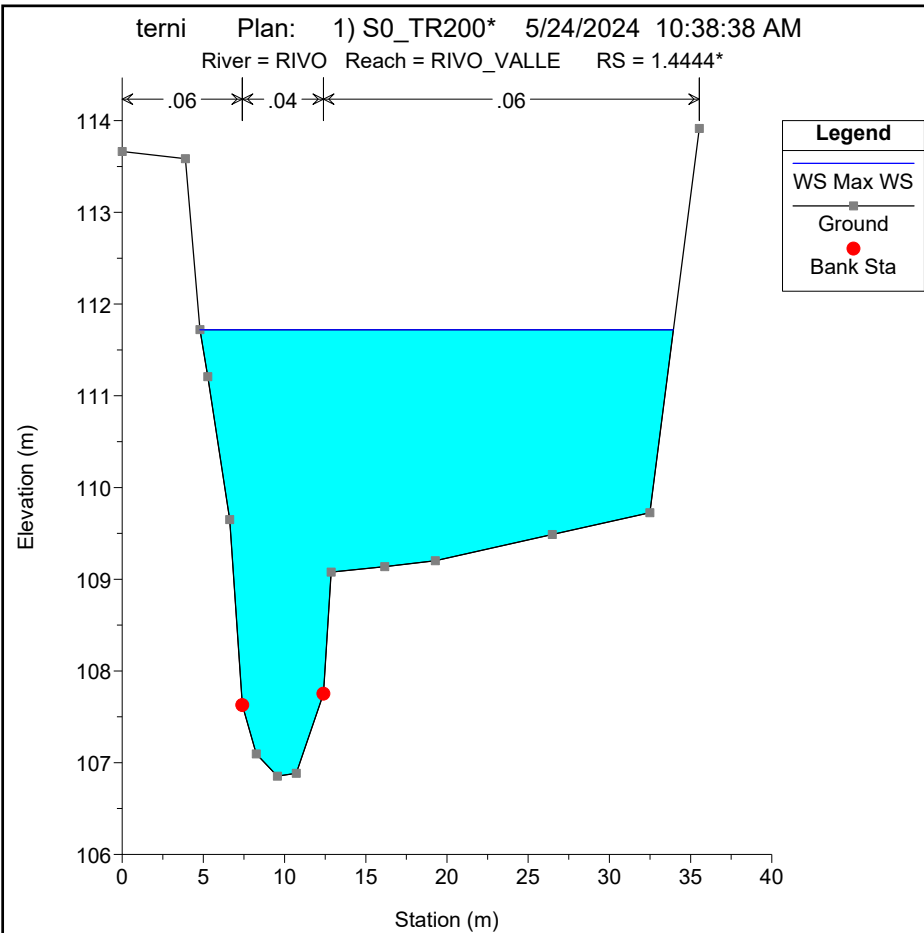


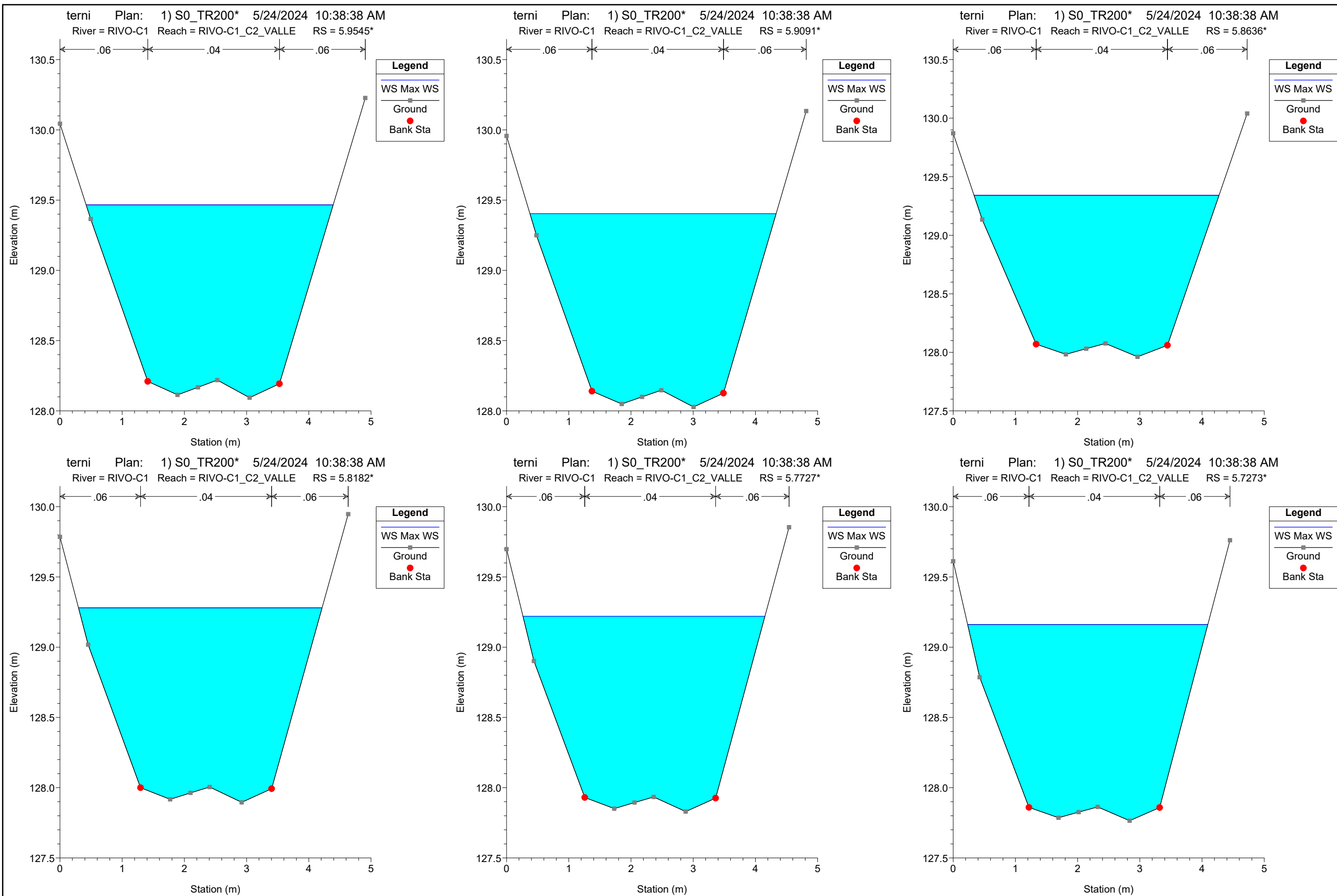


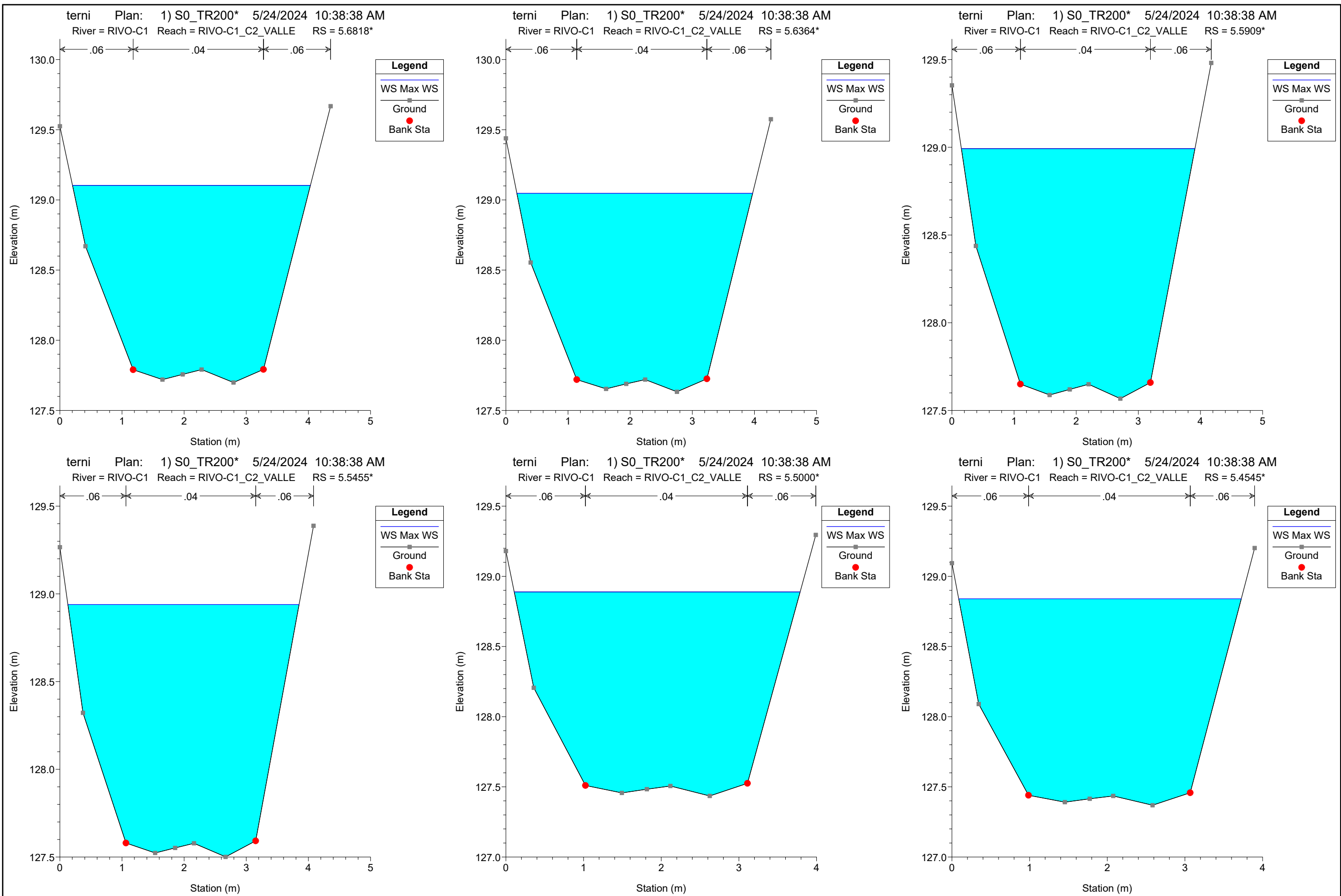


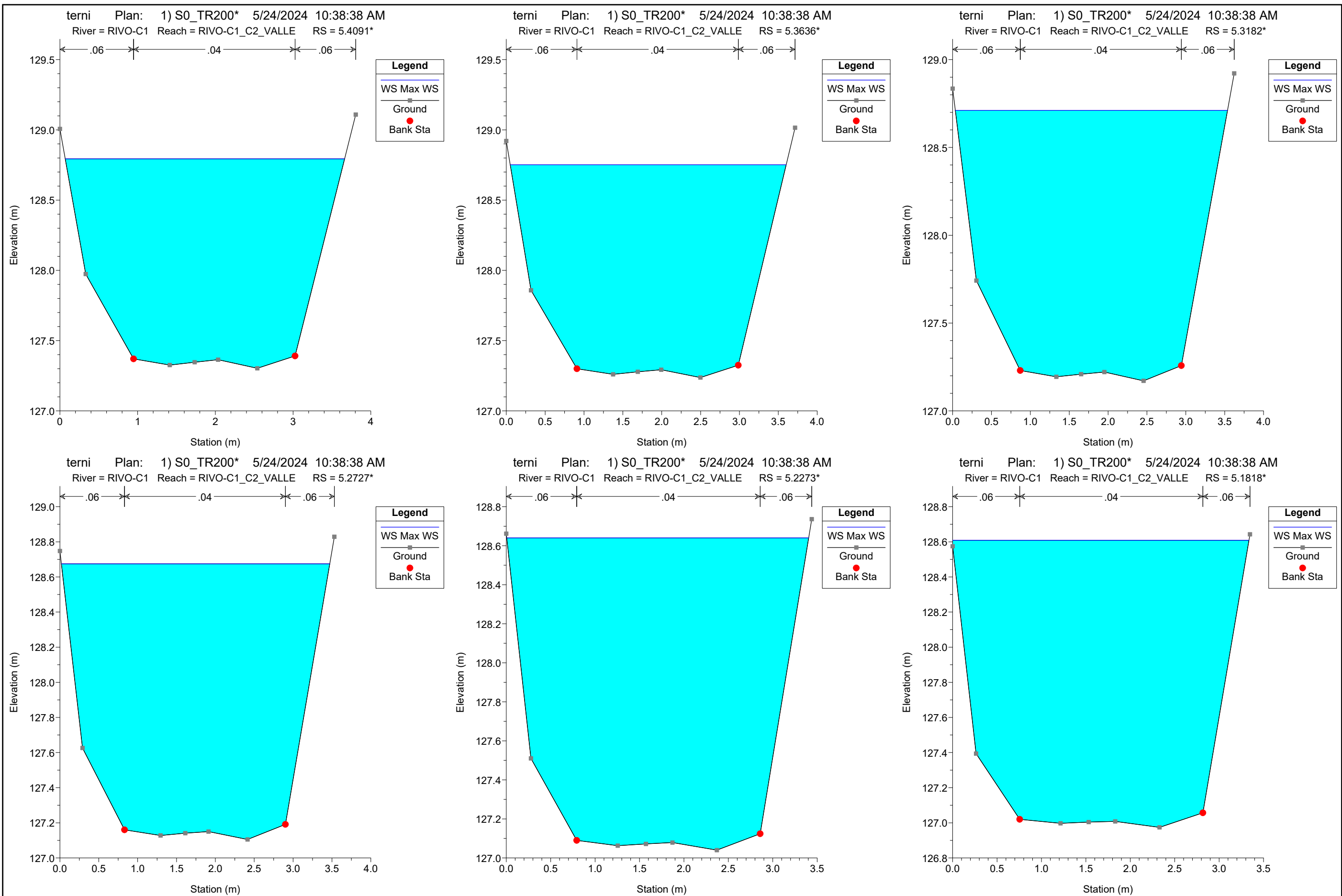


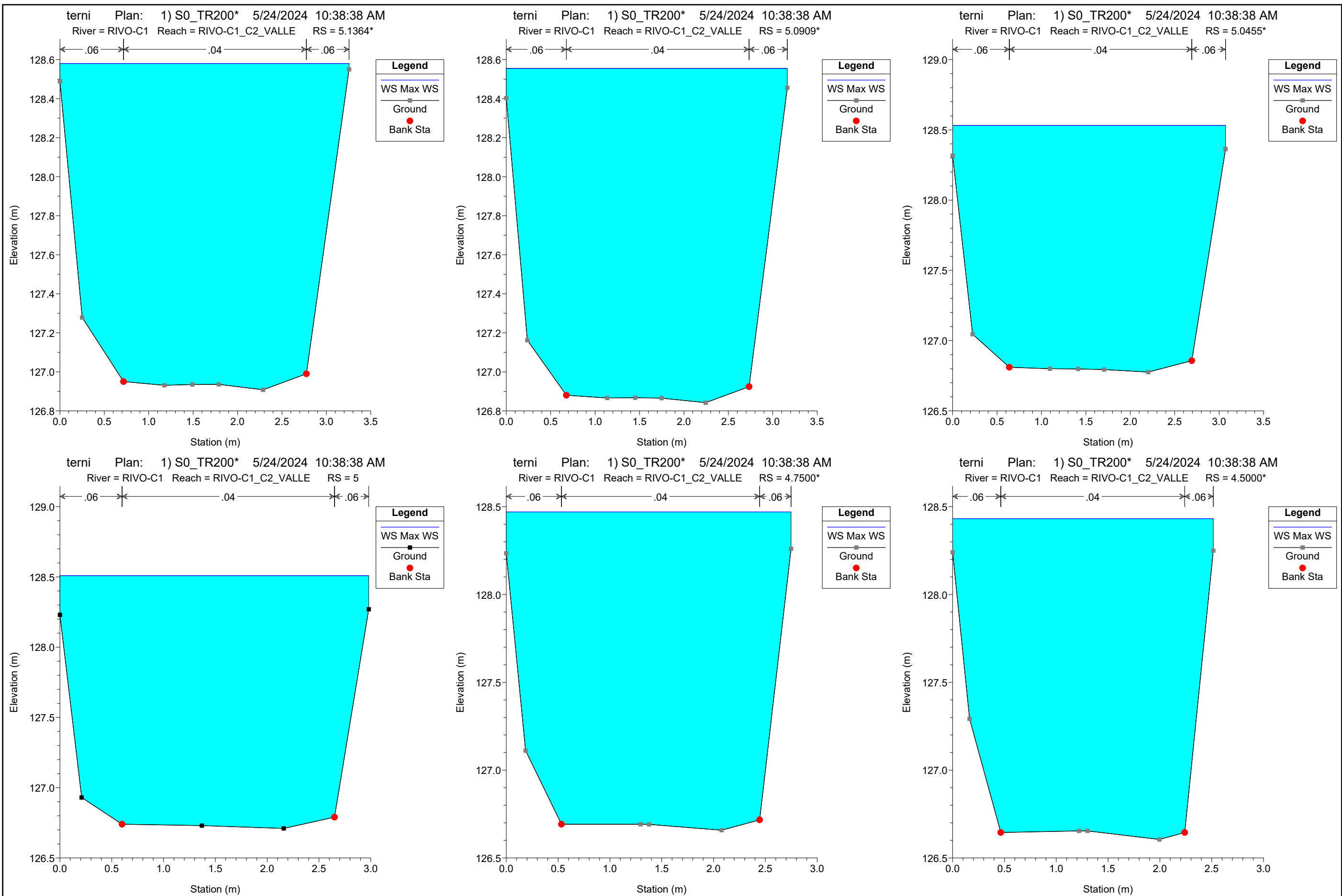


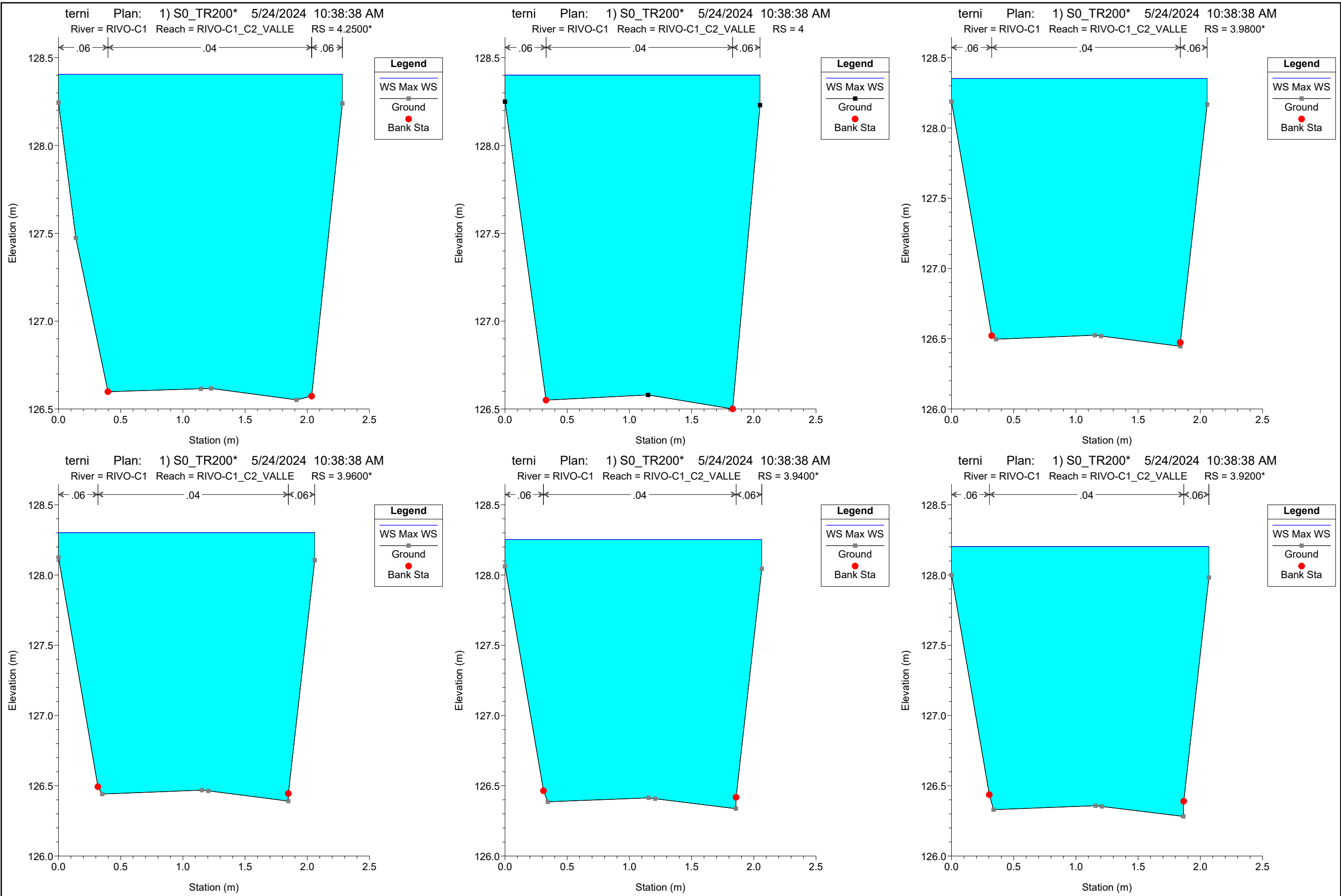


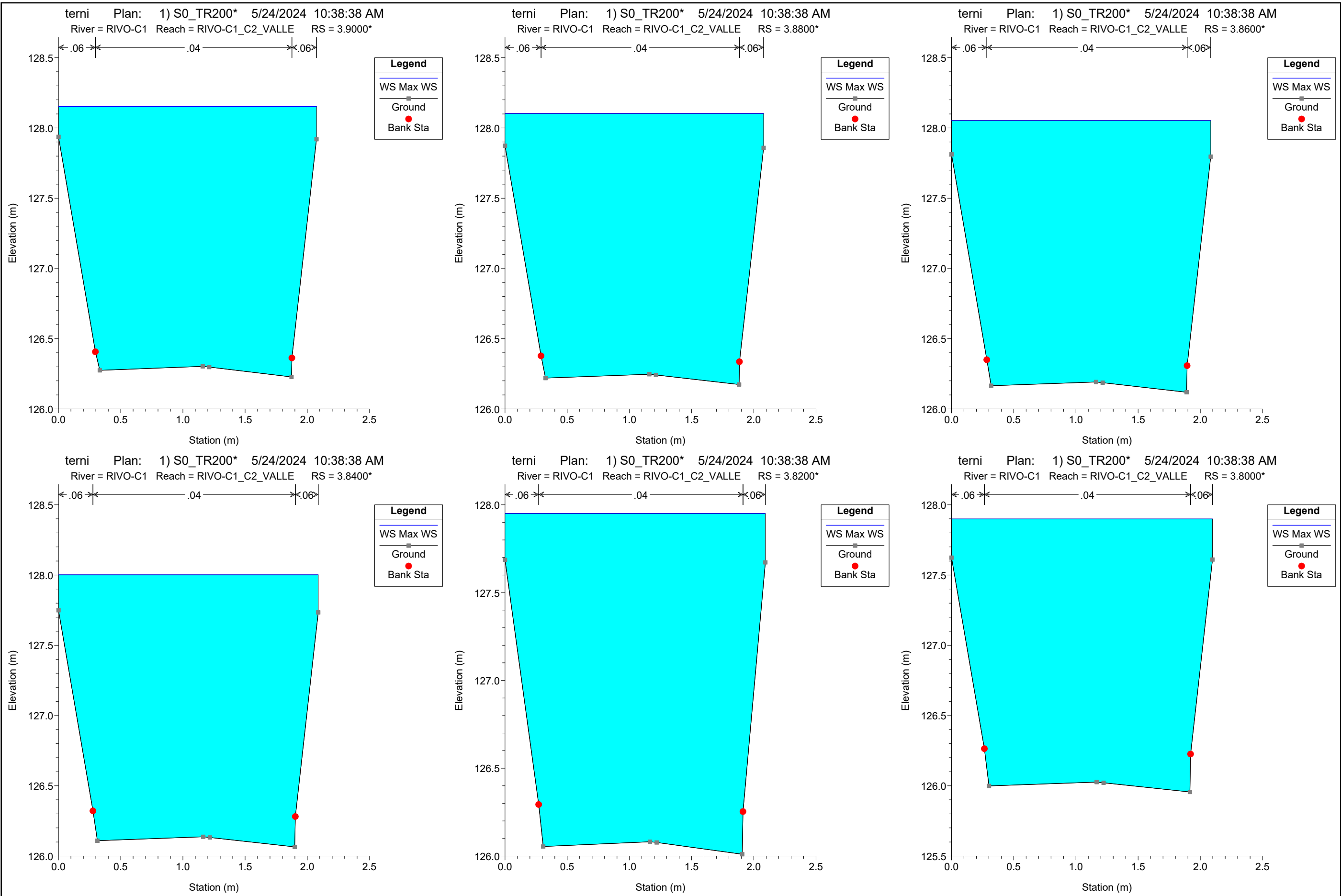


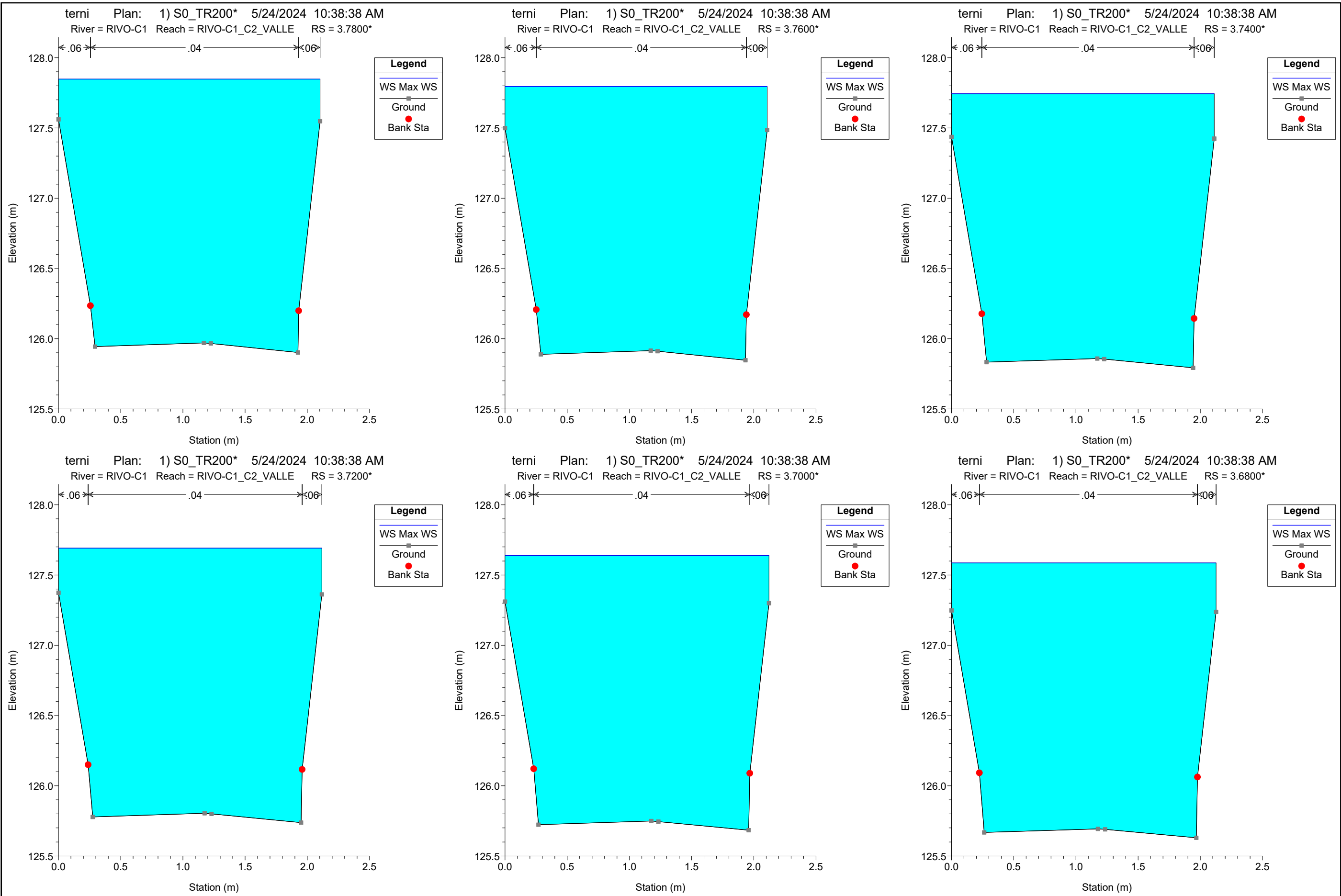


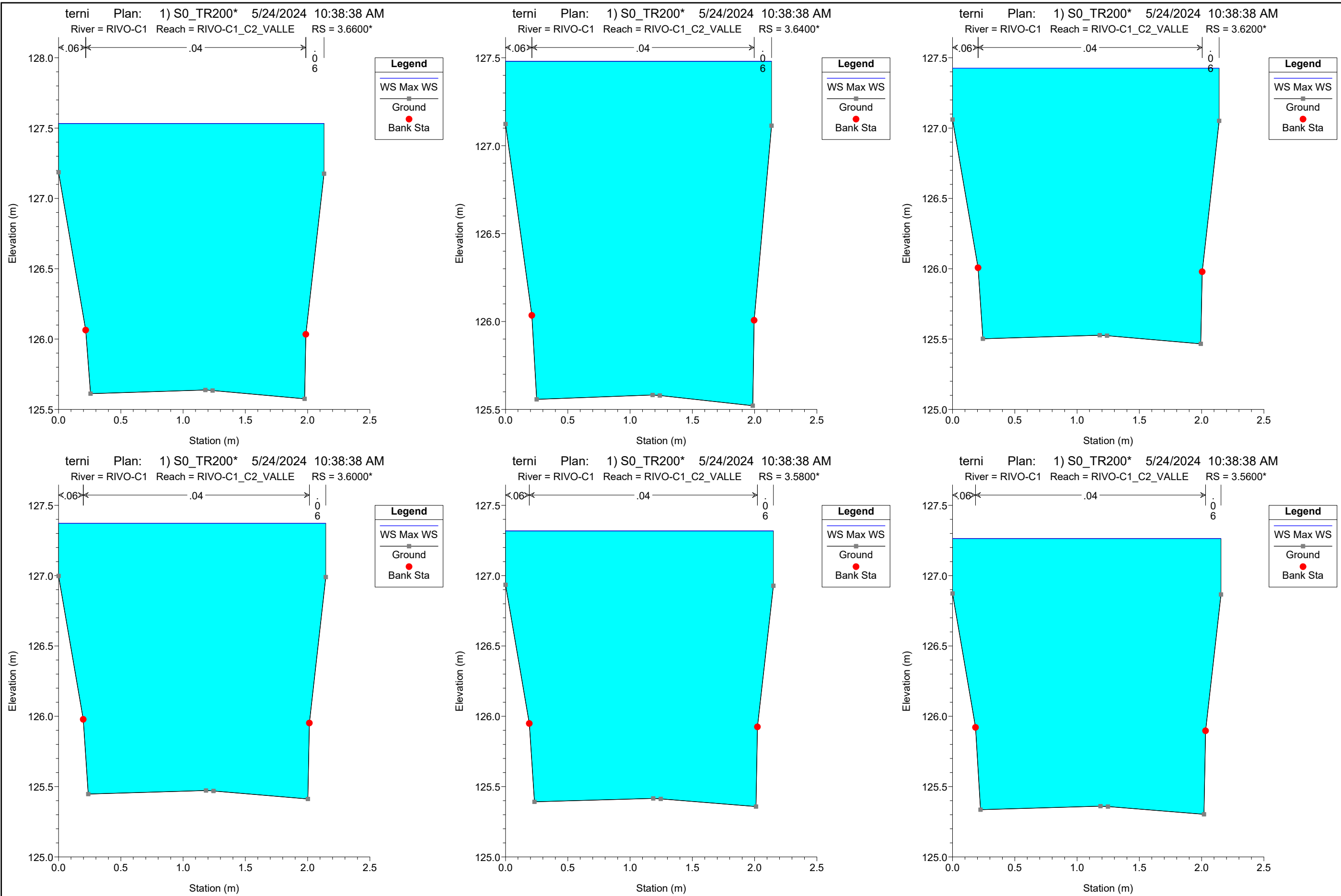


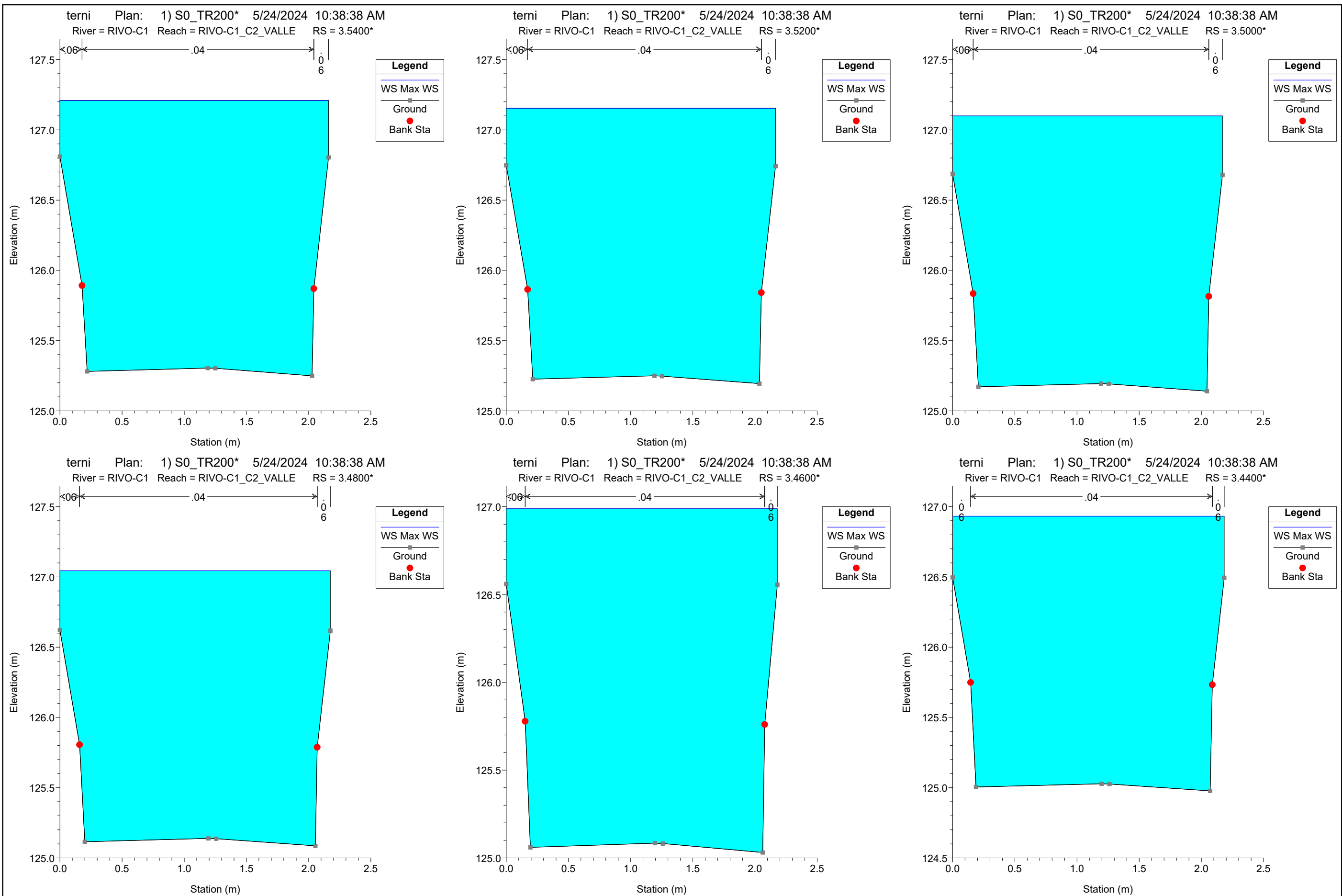


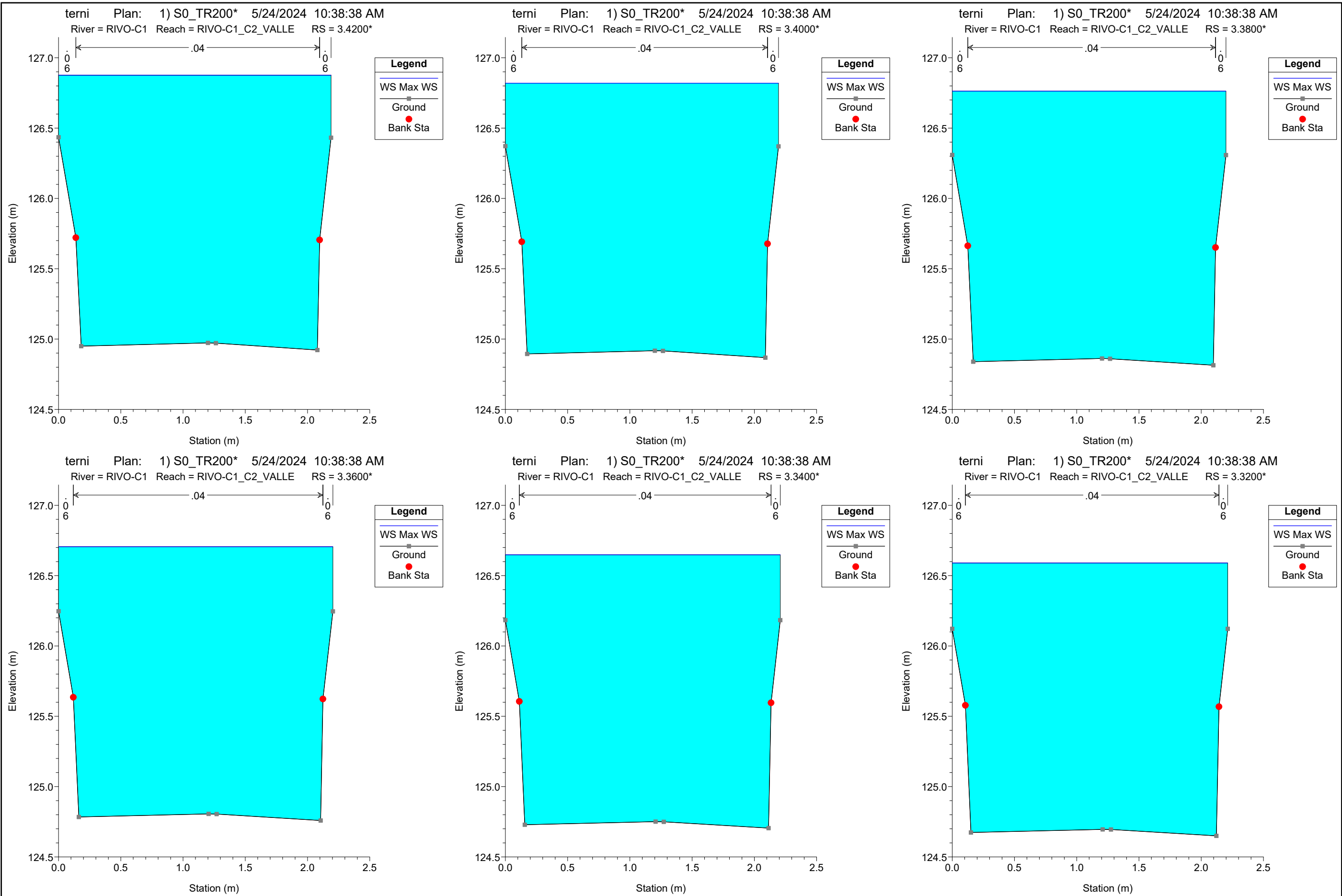


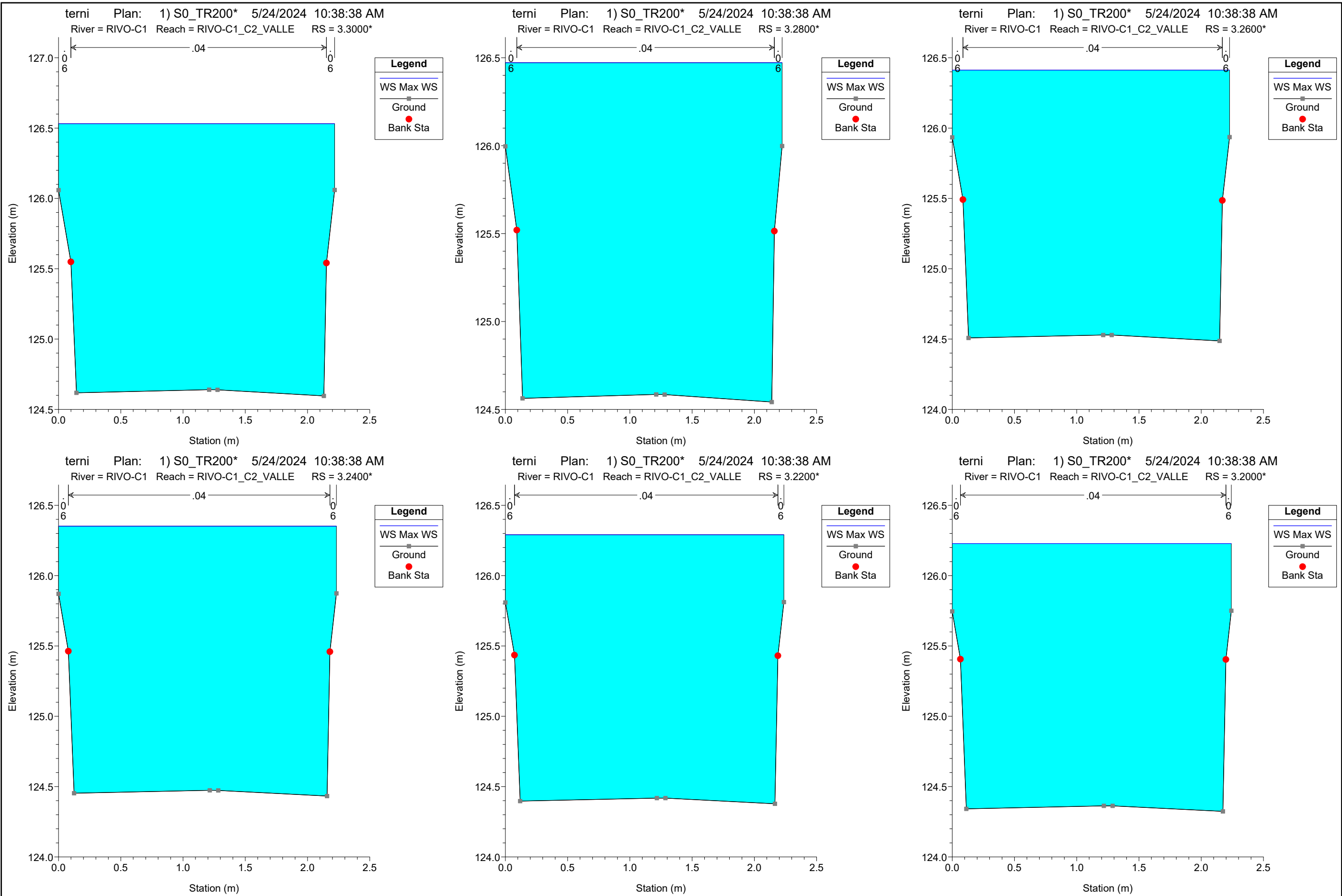


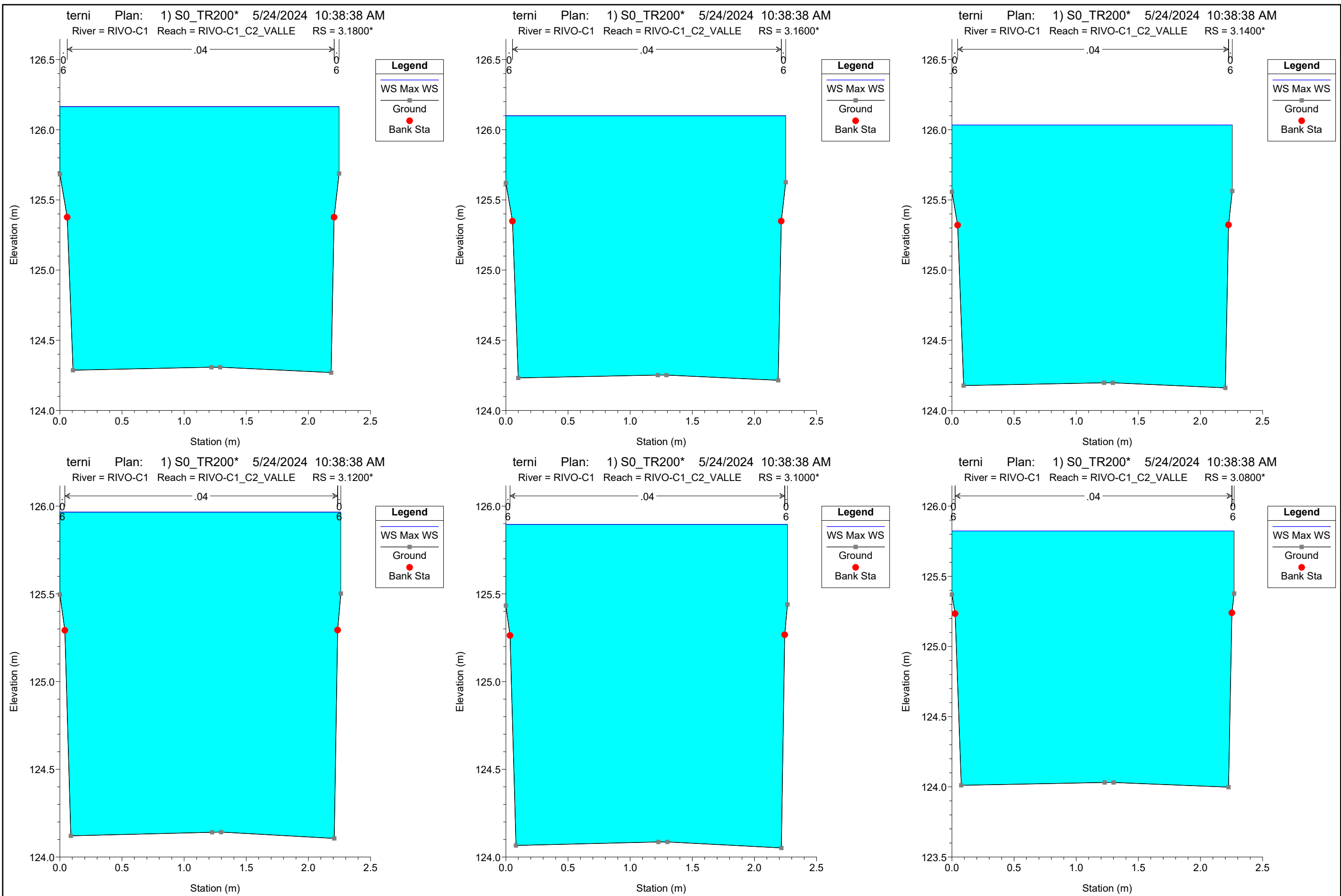


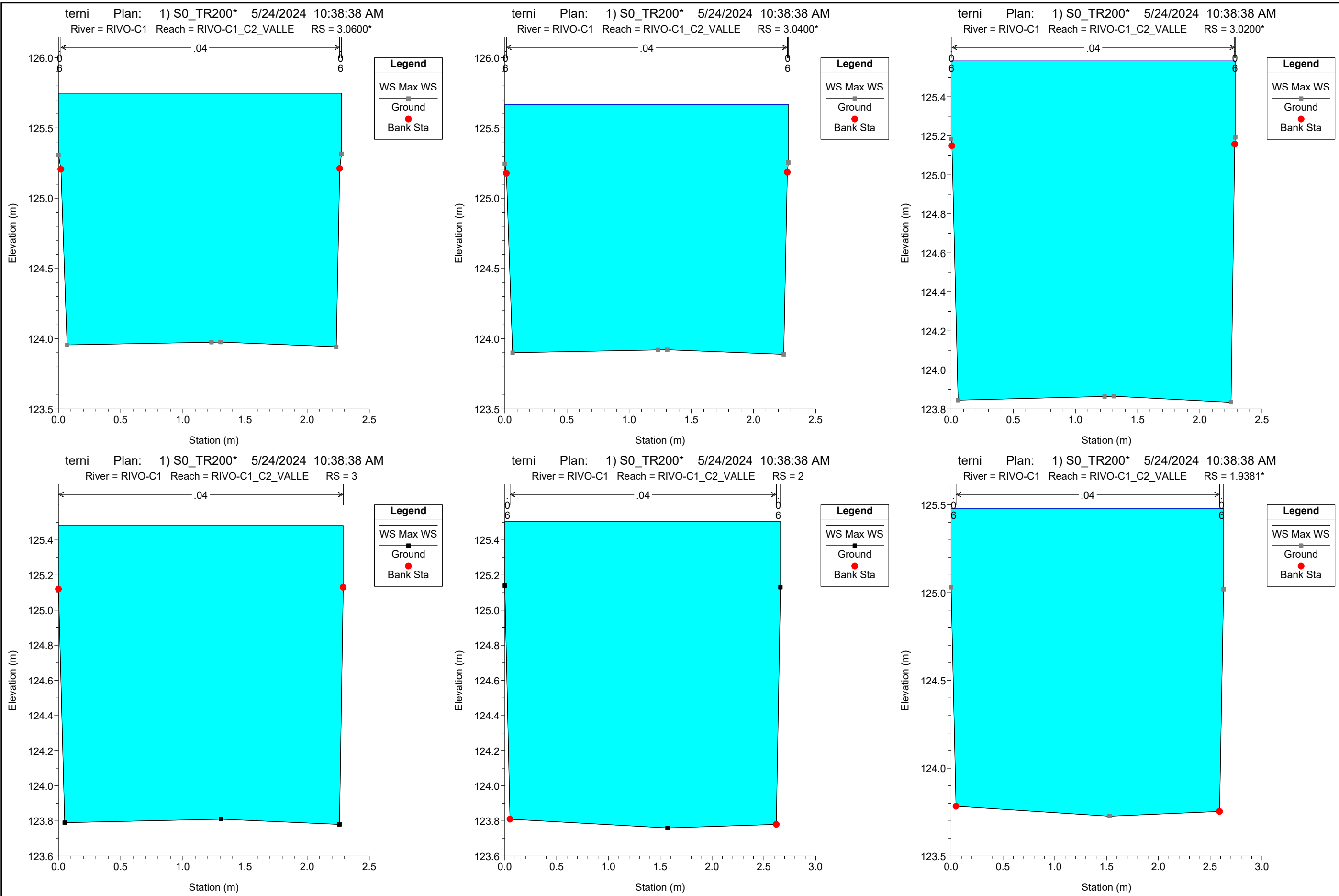


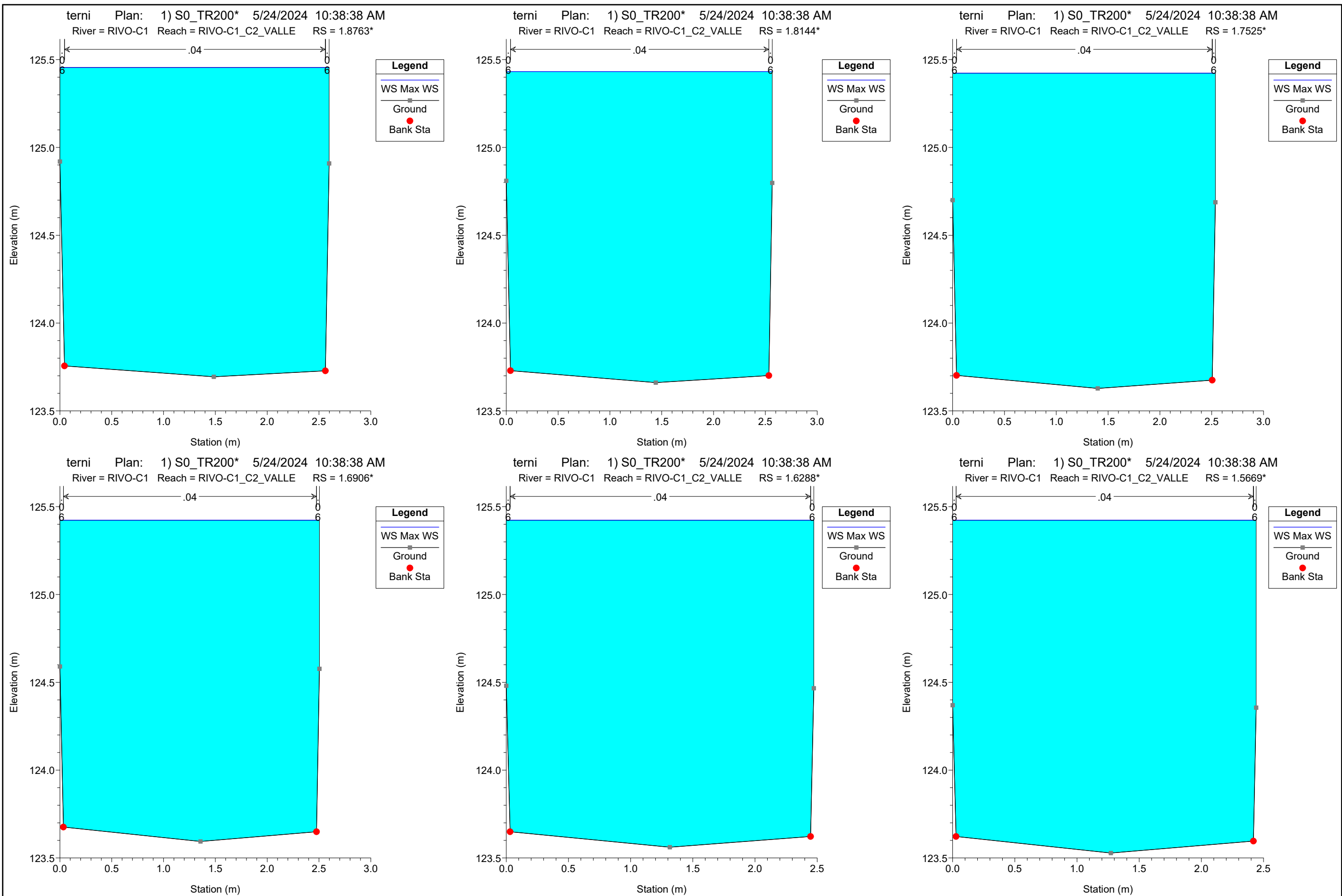


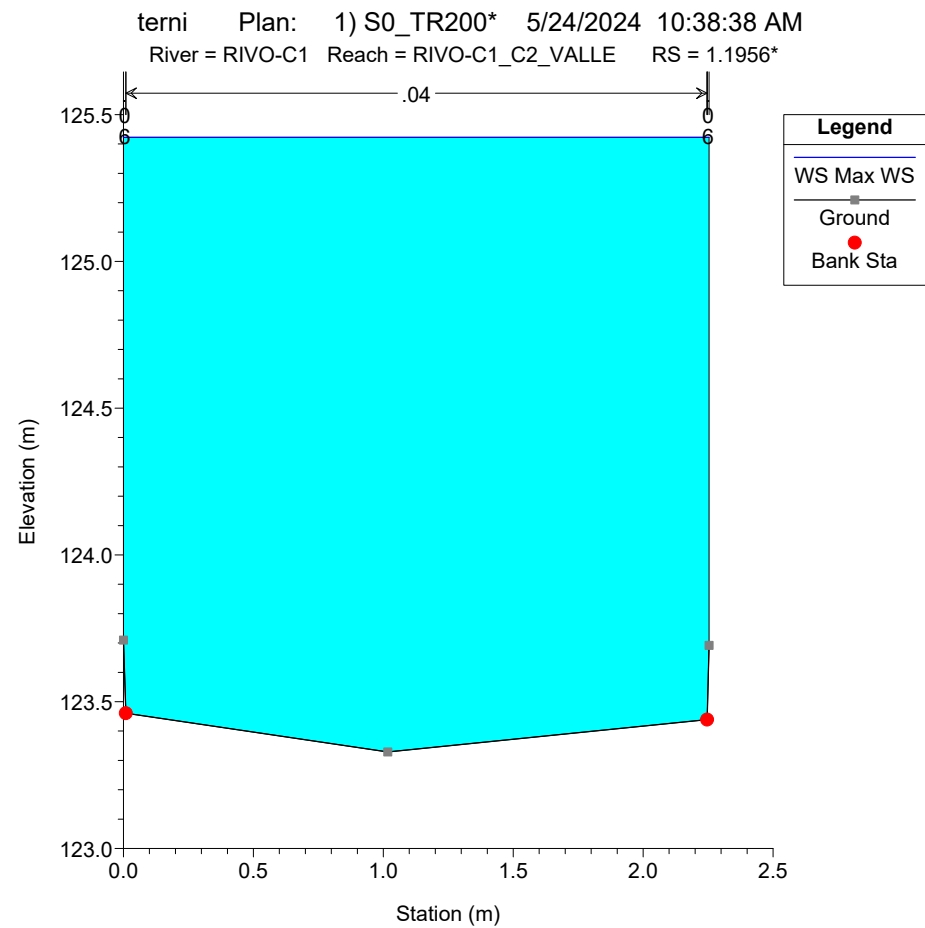
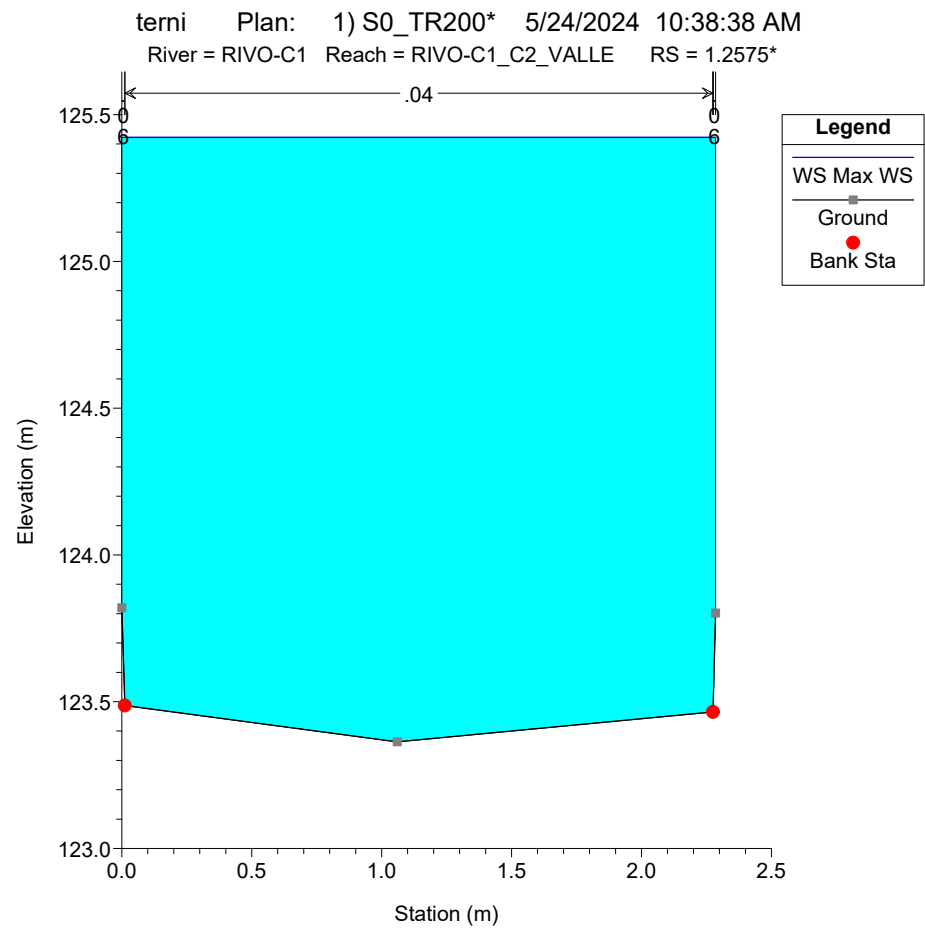
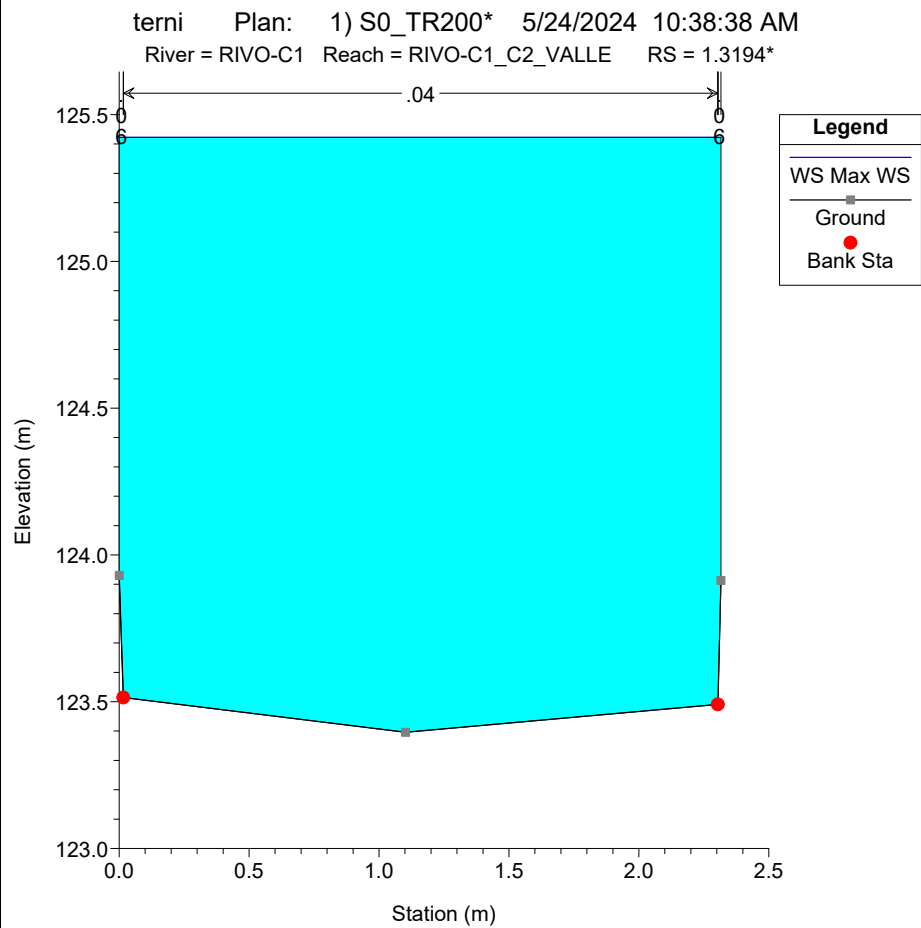
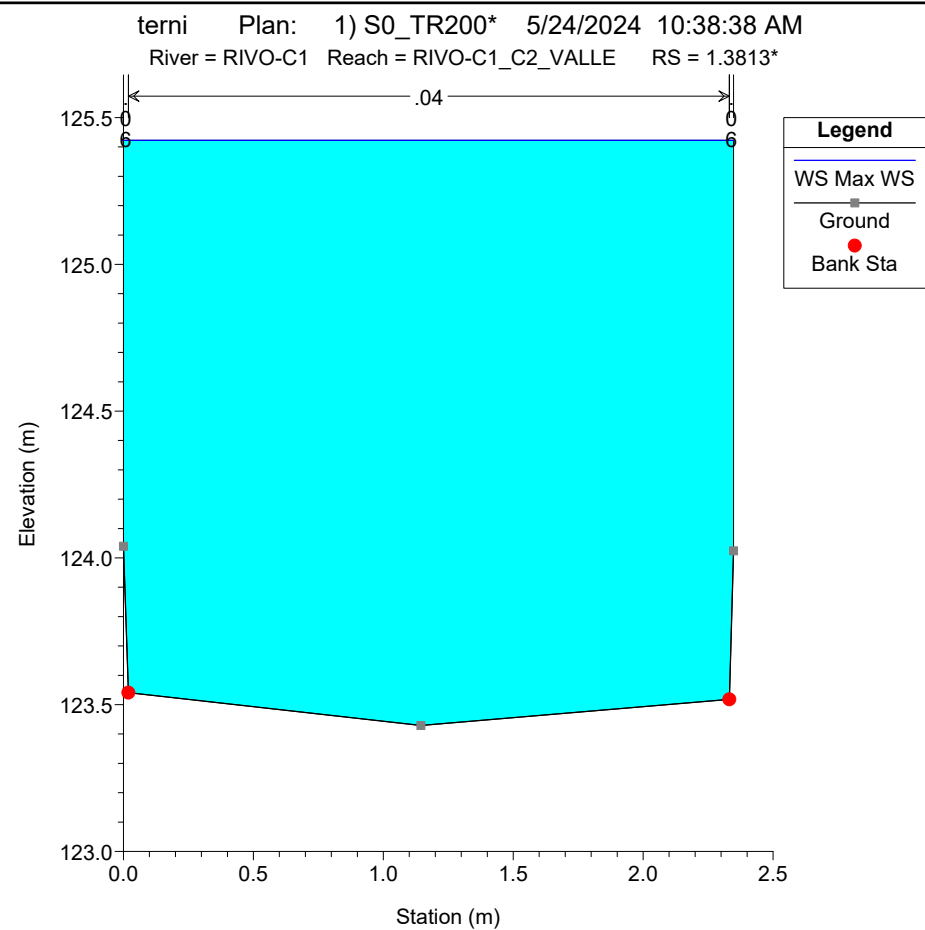
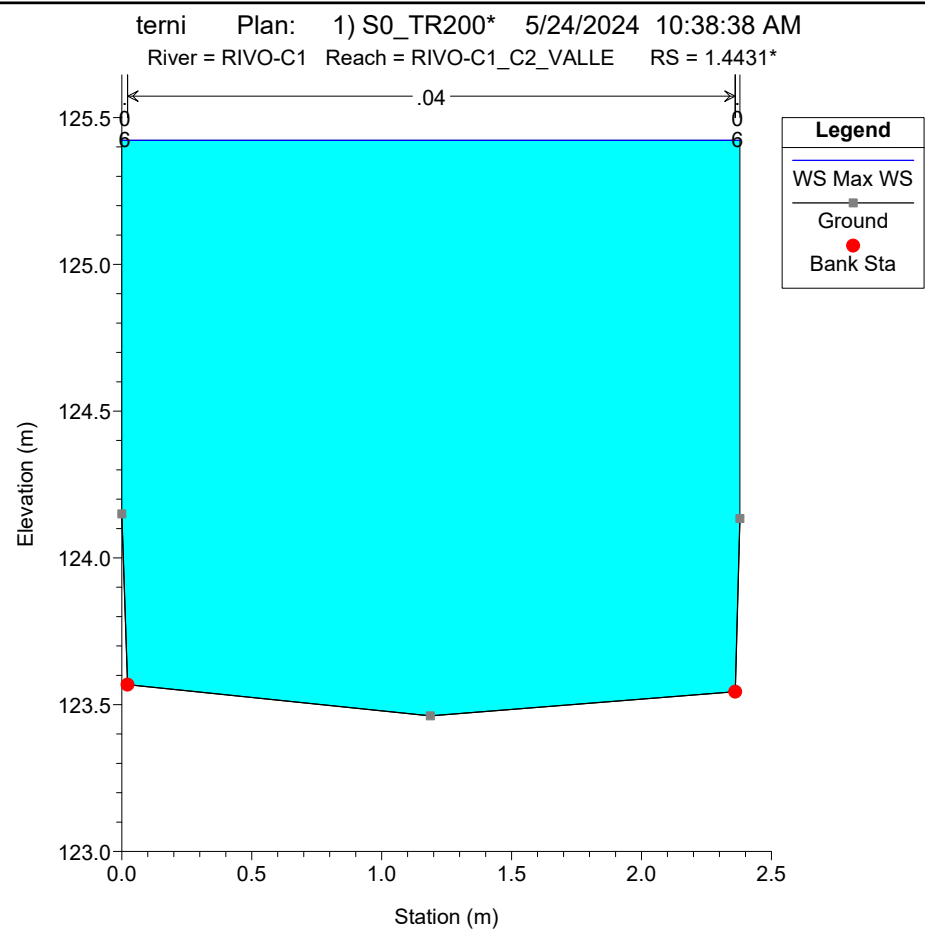
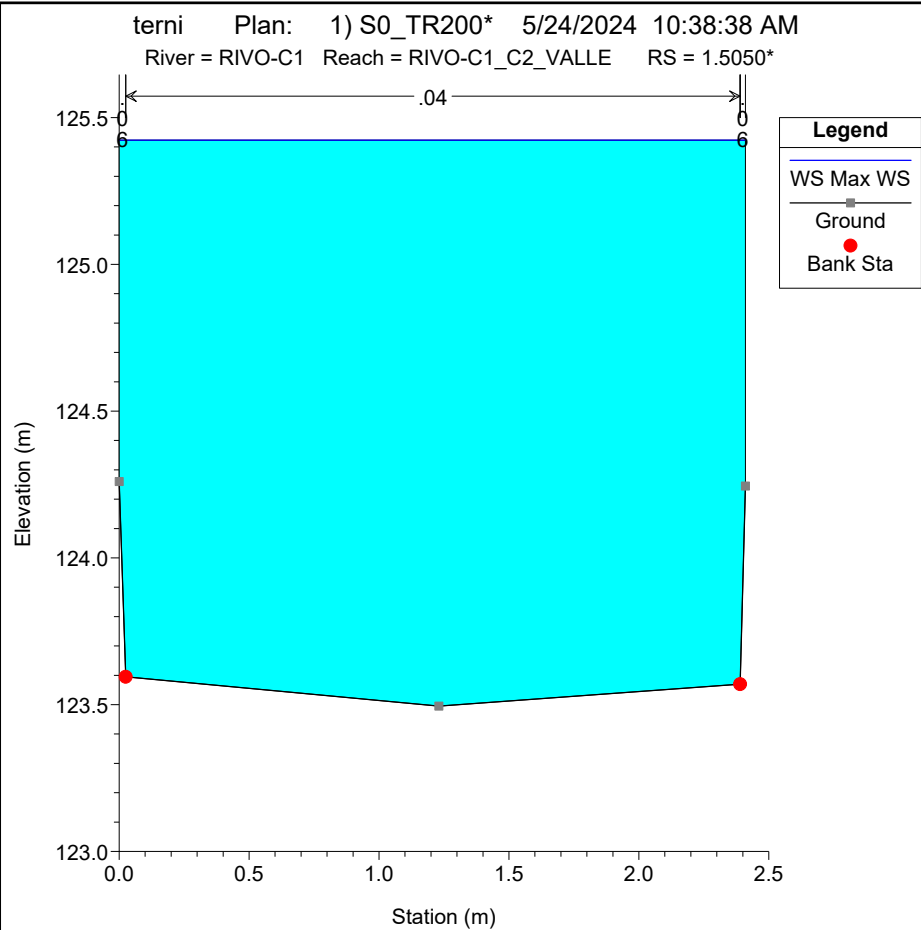


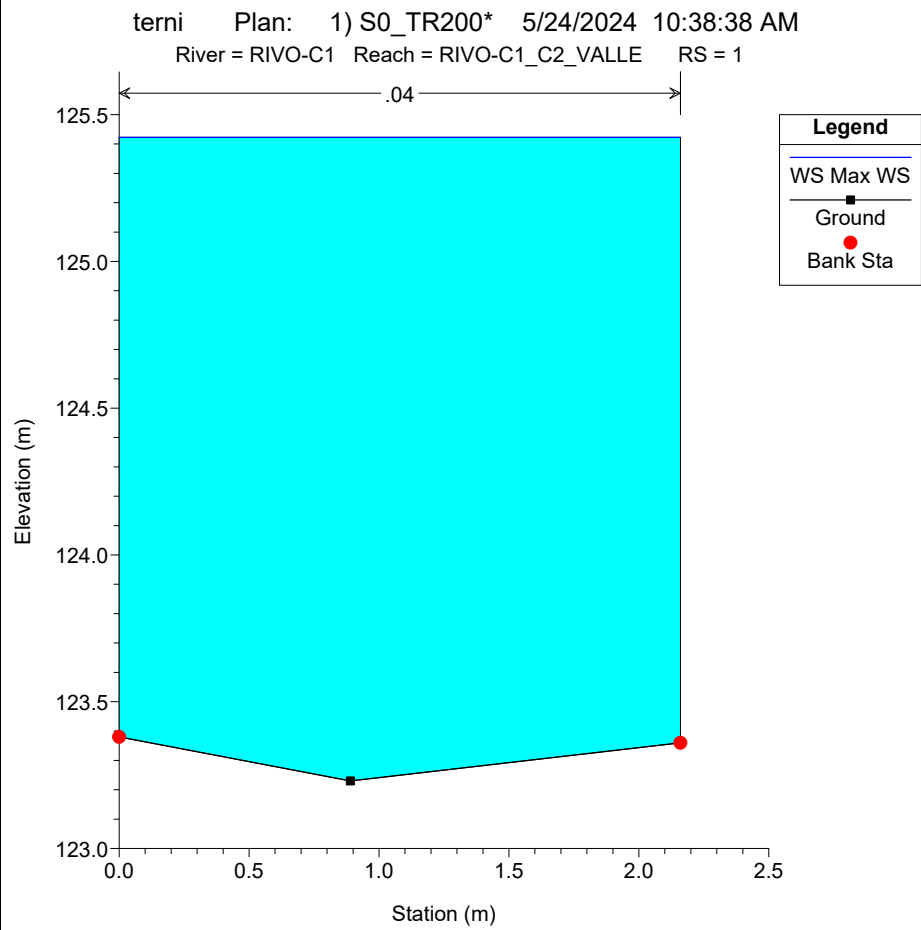
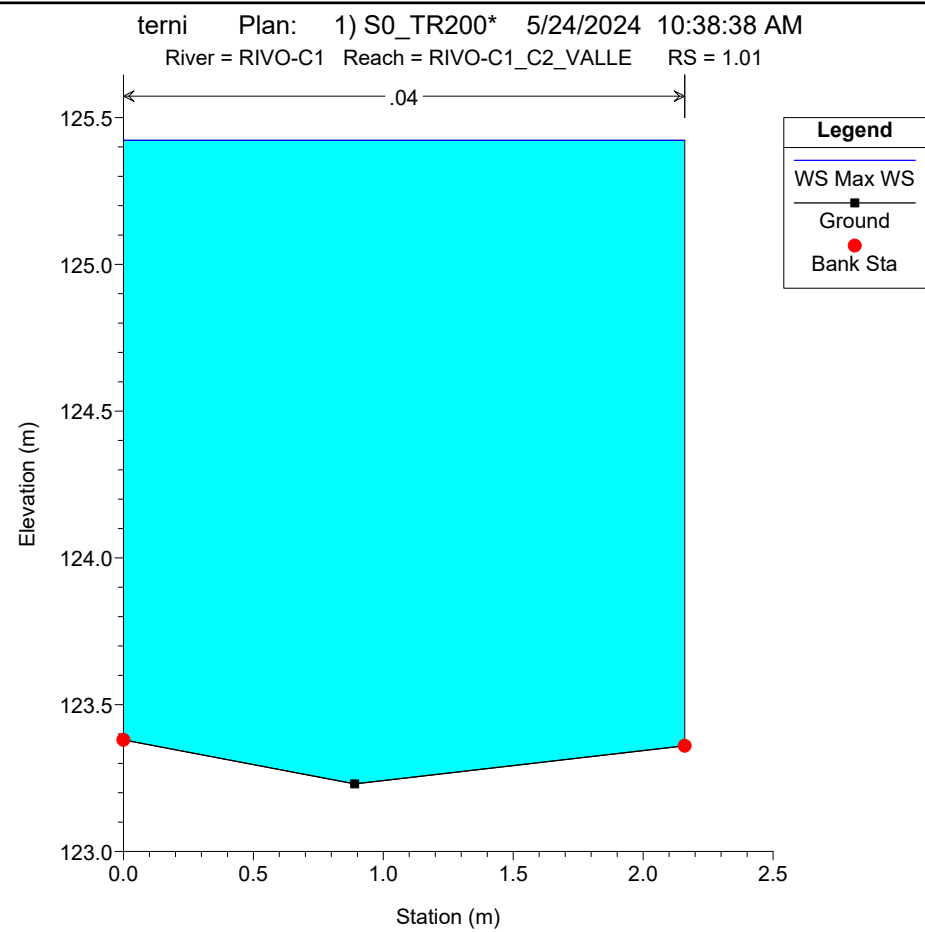
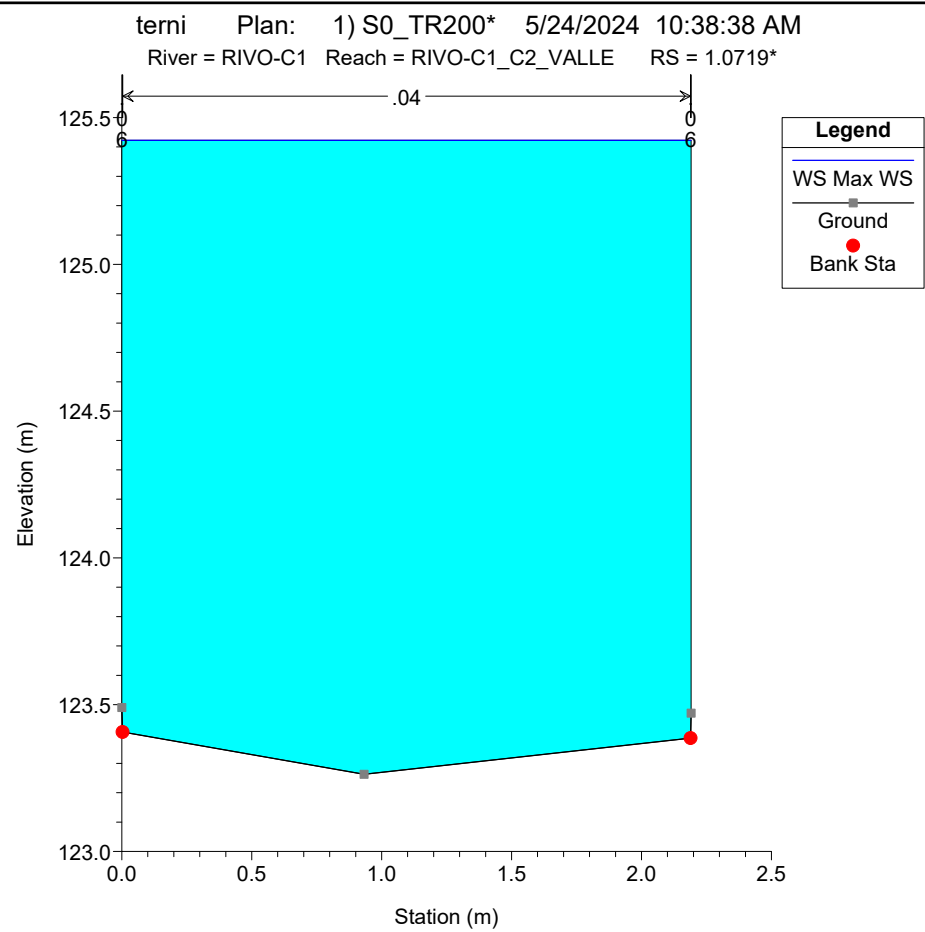
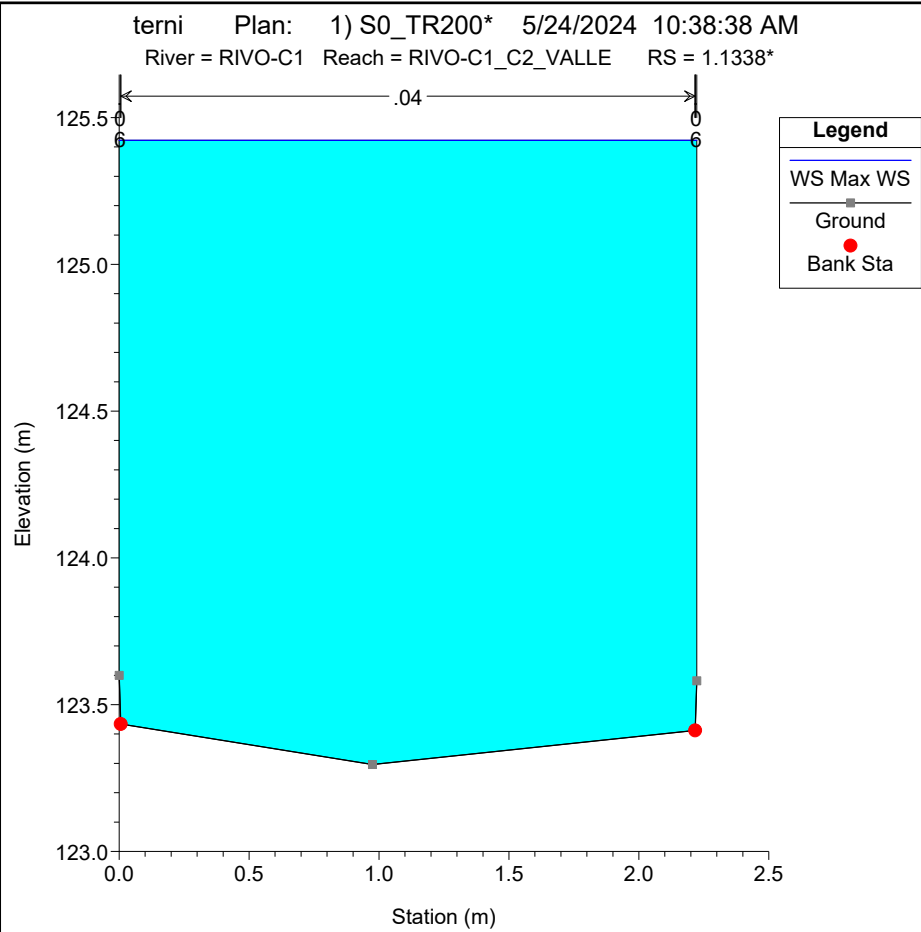












HEC-RAS Plan: S0_TR200* Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.58	128.16	129.53	129.51	130.06	0.013383	3.40	3.94	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.47	129.44	129.99	0.013245	3.40	3.95	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013088	3.39	3.96	3.96	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012879	3.37	3.97	3.94	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.57	127.90	129.28	129.24	129.80	0.012683	3.36	3.99	3.92	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.58	127.83	129.22	129.17	129.73	0.012474	3.35	4.00	3.89	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.58	127.77	129.16	129.10	129.67	0.012214	3.33	4.03	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.58	127.70	129.10	129.04	129.61	0.011954	3.32	4.05	3.83	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.59	127.63	129.05	128.97	129.55	0.011659	3.30	4.07	3.79	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.59	127.57	128.99	128.90	129.48	0.011338	3.27	4.10	3.76	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.59	127.50	128.94		129.42	0.010988	3.25	4.14	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.60	127.44	128.89		129.36	0.010595	3.22	4.17	3.68	0.87
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.59	127.37	128.84		129.31	0.010174	3.18	4.21	3.64	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.60	127.30	128.79		129.25	0.009743	3.15	4.26	3.59	0.83
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.60	127.24	128.75		129.20	0.009277	3.11	4.31	3.55	0.82
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.61	127.17	128.71		129.15	0.008785	3.06	4.37	3.50	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.61	127.10	128.67		129.10	0.008296	3.02	4.43	3.45	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.61	127.04	128.64		129.05	0.007795	2.97	4.50	3.40	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.62	126.97	128.61		129.01	0.007314	2.92	4.56	3.34	0.74
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.62	126.91	128.58		128.97	0.006833	2.87	4.63	3.25	0.72
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.62	126.84	128.55		128.93	0.006370	2.82	4.70	3.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.63	126.78	128.53		128.90	0.005946	2.77	4.76	3.07	0.67
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.63	126.71	128.51		128.86	0.005541	2.72	4.81	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.63	126.66	128.47		128.89	0.006420	2.94	4.40	2.75	0.70
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.64	126.61	128.43		128.93	0.007525	3.20	4.00	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.64	126.55	128.41		129.00	0.008757	3.47	3.64	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.64	126.50	128.40		129.10	0.009938	3.74	3.33	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.64	126.45	128.35		129.03	0.009963	3.70	3.35	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.65	126.39	128.30		128.97	0.010063	3.65	3.38	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.65	126.34	128.25		128.90	0.010161	3.61	3.40	2.06	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.66	126.28	128.20		128.84	0.010285	3.57	3.43	2.07	0.83
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.66	126.23	128.15		128.77	0.010395	3.53	3.45	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.67	126.17	128.10		128.71	0.010484	3.49	3.47	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.67	126.12	128.05		128.65	0.010602	3.45	3.50	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.68	126.07	128.00		128.58	0.010670	3.41	3.52	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.68	126.01	127.95		128.52	0.010767	3.38	3.54	2.09	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.69	125.96	127.90		128.46	0.010833	3.34	3.56	2.10	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.69	125.90	127.85		128.40	0.010905	3.31	3.59	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.69	125.85	127.80		128.33	0.010988	3.28	3.61	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.70	125.79	127.74		128.27	0.011019	3.24	3.63	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.70	125.74	127.69		128.21	0.011103	3.22	3.65	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.71	125.68	127.64		128.15	0.011157	3.19	3.67	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.71	125.63	127.59		128.09	0.011207	3.16	3.69	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.72	125.57	127.53		128.03	0.011262	3.13	3.71	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.72	125.52	127.48		127.96	0.011291	3.10	3.73	2.14	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.72	125.47	127.43		127.90	0.011360	3.08	3.75	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.73	125.41	127.37		127.84	0.011406	3.05	3.77	2.15	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.73	125.36	127.32		127.78	0.011441	3.03	3.79	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.74	125.30	127.26		127.72	0.011501	3.01	3.81	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.74	125.25	127.21		127.66	0.011518	2.98	3.82	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.74	125.19	127.15		127.60	0.011575	2.96	3.84	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.75	125.14	127.10		127.54	0.011606	2.94	3.86	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.75	125.09	127.04		127.48	0.011649	2.92	3.88	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.76	125.03	126.99		127.41	0.011716	2.90	3.89	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.76	124.98	126.93		127.35	0.011739	2.88	3.91	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.76	124.92	126.88		127.29	0.011803	2.86	3.92	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.77	124.87	126.82		127.23	0.011849	2.84	3.94	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.77	124.81	126.76		127.17	0.011902	2.83	3.95	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.78	124.76	126.71		127.11	0.011969	2.81	3.97	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.78	124.71	126.65		127.04	0.012023	2.80	3.98	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.78	124.65	126.59		126.98	0.012114	2.78	3.99	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.79	124.60	126.53		126.92	0.012184	2.77	4.00	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.79	124.54	126.47		126.86	0.012270	2.76	4.01	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.79	124.49	126.41		126.80	0.012388	2.75	4.02	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.80	124.43	126.35		126.73	0.012481	2.73	4.03	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.80	124.38	126.29		126.67	0.012630	2.73	4.04	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.80	124.32	126.23		126.60	0.012782	2.72	4.04	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.81	124.27	126.16		126.54	0.012969	2.71	4.04	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	10.81	124.22	126.10		126.47	0.013189	2.71	4.04	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	10.81	124.16	126.03		126.41	0.013418	2.71	4.03	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	10.82	124.11	125.97		126.34	0.013725	2.71	4.03	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	10.82	124.05	125.89		126.27	0.014078	2.71	4.01	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	10.82	124.00	125.82		126.20	0.014524	2.72	3.99	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	10.82	123.94	125.75		126.13	0.015093	2.74	3.96	2.28	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	10.82	123.89	125.67		126.05	0.015762	2.76	3.93	2.28	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	10.82	123.83	125.58		125.98	0.016628	2.79	3.88	2.29	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	10.81	123.78	125.48		125.89	0.021787	2.85	3.80	2.29	0.71
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	10.77	123.76	125.50		125.80	0.004592	2.43	4.52	2.66	0.59
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	10.76	123.73	125.48		125.78	0.004624	2.45	4.49	2.63	0.59
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	10.74	123.69	125.45		125.76	0.004664	2.46	4.45	2.60	0.60
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	9.63	123.66	125.43		125.68	0.003779	2.22	4.42	2.57	0.54
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	9.63	123.63	125.41		125.66	0.003784	2.23	4.40	2.54	0.54
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	0.50	123.59	125.39		125.40	0.000010	0.12	4.39	2.50	0.03
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	0.50	123.56	125.39		125.40	0.000010	0.11	4.41	2.47	0.03
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	0.50	123.53	125.39		125.40	0.000009	0.11	4.44	2.44	0.03
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	0.50	123.49	125.39		125.40	0.000009	0.11	4.46	2.41	0.03
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	0.50	123.46	125.39		125.40	0.000009	0.11	4.47	2.38	0.03
RIVO-C1	RIVO-C1_C2_VALLE												

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	32.57	159.20	161.18	161.47	162.15	0.025810	5.88	11.00	13.12	1.37
RIVO	RIVO	85.200*	Max WS	32.57	159.03	161.06	161.33	161.99	0.025189	5.79	11.13	13.13	1.33
RIVO	RIVO	85.100*	Max WS	32.57	158.87	160.94	161.20	161.83	0.024553	5.68	11.27	13.13	1.29
RIVO	RIVO	85	Max WS	32.56	158.71	160.82	161.06	161.66	0.023995	5.54	11.42	13.14	1.24
RIVO	RIVO	84.909*	Max WS	32.56	158.60	160.70	160.94	161.55	0.023853	5.58	11.36	12.75	1.25
RIVO	RIVO	84.818*	Max WS	32.56	158.49	160.59	160.84	161.45	0.023753	5.63	11.29	12.36	1.26
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	32.55	158.38	160.48	160.72	161.34	0.023630	5.68	11.21	11.97	1.27
RIVO	RIVO	84.636*	Max WS	32.55	158.26	160.37	160.61	161.24	0.023545	5.74	11.12	11.58	1.28
RIVO	RIVO	84.545*	Max WS	32.54	158.15	160.26	160.50	161.15	0.023542	5.81	11.01	11.19	1.29
RIVO	RIVO	84.455*	Max WS	32.54	158.04	160.14	160.40	161.06	0.023664	5.89	10.88	10.79	1.31
RIVO	RIVO	84.364*	Max WS	32.54	157.93	160.03	160.29	160.97	0.023866	5.99	10.73	10.40	1.33
RIVO	RIVO	84.273*	Max WS	32.54	157.82	159.92	160.19	160.90	0.024259	6.11	10.54	10.01	1.35
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	32.53	157.70	159.80	160.09	160.83	0.024904	6.27	10.32	9.62	1.39
RIVO	RIVO	84.091*	Max WS	32.53	157.59	159.68	159.99	160.78	0.025986	6.47	10.05	9.23	1.43
RIVO	RIVO	84	Max WS	32.53	157.48	159.55	159.89	160.75	0.027639	6.74	9.70	8.84	1.50
RIVO	RIVO	83.917*	Max WS	32.53	157.36	159.42	159.75	160.61	0.027519	6.70	9.74	8.98	1.49
RIVO	RIVO	83.833*	Max WS	32.53	157.23	159.28	159.62	160.47	0.027447	6.67	9.77	9.12	1.49
RIVO	RIVO	83.750*	Max WS	32.52	157.11	159.15	159.49	160.33	0.027373	6.63	9.81	9.26	1.49
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	32.52	156.99	159.01	159.35	160.19	0.027327	6.60	9.84	9.40	1.48
RIVO	RIVO	83.583*	Max WS	32.52	156.86	158.88	159.22	160.06	0.027387	6.58	9.86	9.54	1.48
RIVO	RIVO	83.500*	Max WS	32.52	156.74	158.75	159.09	159.93	0.027488	6.57	9.87	9.67	1.48
RIVO	RIVO	83.417*	Max WS	32.52	156.62	158.61	158.96	159.80	0.027691	6.56	9.87	9.81	1.49
RIVO	RIVO	83.333*	Max WS	32.51	156.49	158.47	158.83	159.68	0.028065	6.57	9.85	9.95	1.50
RIVO	RIVO	83.250*	Max WS	32.51	156.37	158.33	158.70	159.56	0.028682	6.60	9.80	10.09	1.51
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	32.51	156.25	158.19	158.57	159.45	0.029703	6.66	9.70	10.23	1.53
RIVO	RIVO	83.083*	Max WS	32.50	156.12	158.04	158.44	159.36	0.031388	6.77	9.53	10.37	1.57
RIVO	RIVO	83	Max WS	32.49	156.00	157.88	158.31	159.31	0.034455	6.99	9.22	10.51	1.64
RIVO	RIVO	82.889*	Max WS	32.47	155.89	157.73	158.12	159.04	0.031897	6.38	9.35	10.93	1.54
RIVO	RIVO	82.778*	Max WS	32.43	155.78	157.59	157.94	158.77	0.029697	5.88	9.52	11.35	1.45
RIVO	RIVO	82.667*	Max WS	32.46	155.67	157.46	157.77	158.53	0.027919	5.48	9.75	11.77	1.38
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	32.74	155.56	157.33	157.62	158.32	0.026792	5.17	10.00	12.18	1.33
RIVO	RIVO	82.444*	Max WS	32.91	155.44	157.21	157.47	158.12	0.025665	4.90	10.28	12.61	1.28
RIVO	RIVO	82.333*	Max WS	33.19	155.33	157.09	157.33	157.94	0.024897	4.68	10.57	13.02	1.25
RIVO	RIVO	82.222*	Max WS	33.51	155.22	156.98	157.20	157.77	0.024421	4.49	10.85	13.44	1.22
RIVO	RIVO	82.111*	Max WS	33.50	155.11	156.87	157.06	157.60	0.023540	4.29	11.14	13.86	1.19
RIVO	RIVO	82	Max WS	33.37	155.00	156.77	156.92	157.43	0.022544	4.09	11.46	14.28	1.15
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.901		Lat Struct									
RIVO	RIVO	81.900*	Max WS	33.21	154.86	156.66	156.79	157.29	0.020290	4.04	11.66	13.32	1.10
RIVO	RIVO	81.800*	Max WS	33.14	154.73	156.56	156.66	157.17	0.018278	4.00	11.84	12.37	1.06
RIVO	RIVO	81.700*	Max WS	33.08	154.59	156.48	156.54	157.07	0.016630	3.99	11.96	11.41	1.03
RIVO	RIVO	81.600*	Max WS	33.03	154.46	156.40	156.42	156.99	0.015423	4.03	11.98	10.46	1.00
RIVO	RIVO	81.500*	Max WS	33.00	154.32	156.32	156.32	156.93	0.014754	4.13	11.85	9.50	1.00
RIVO	RIVO	81.400*	Max WS	32.97	154.18	156.25	156.23	156.90	0.014760	4.32	11.53	8.54	1.02
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	32.94	154.05	156.17	156.17	156.90	0.015663	4.66	10.99	7.59	1.06
RIVO	RIVO	81.200*	Max WS	32.85	153.91	156.09	156.14	156.97	0.017806	5.18	10.20	6.63	1.16
RIVO	RIVO	81.100*	Max WS	32.67	153.78	155.98	156.15	157.14	0.022409	6.04	9.13	5.68	1.32
RIVO	RIVO	81	Max WS	32.54	153.64	155.84	156.26	157.60	0.033544	7.63	7.72	4.72	1.66
RIVO	RIVO	80.923*	Max WS	32.43	153.53	155.69	156.05	157.25	0.031373	7.25	8.06	5.16	1.59
RIVO	RIVO	80.846*	Max WS	32.74	153.42	155.54	155.87	156.98	0.030342	7.02	8.37	5.59	1.56
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	33.06	153.31	155.40	155.72	156.76	0.029678	6.85	8.66	6.03	1.53
RIVO	RIVO	80.692*	Max WS	32.21	153.20	155.26	155.53	156.46	0.027226	6.47	8.92	6.46	1.46
RIVO	RIVO	80.615*	Max WS	32.31	153.09	155.13	155.38	156.26	0.026212	6.29	9.22	6.90	1.43
RIVO	RIVO	80.538*	Max WS	32.67	152.98	155.01	155.25	156.09	0.025712	6.18	9.52	7.33	1.41
RIVO	RIVO	80.462*	Max WS	33.14	152.87	154.88	155.13	155.94	0.025535	6.11	9.79	7.77	1.40
RIVO	RIVO	80.385*	Max WS	33.58	152.76	154.76	155.00	155.80	0.025509	6.05	10.04	8.20	1.39
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	33.45	152.65	154.64	154.88	155.63	0.024712	5.91	10.28	8.64	1.37
RIVO	RIVO	80.231*	Max WS	33.32	152.54	154.52	154.75	155.47	0.023877	5.77	10.52	9.07	1.34
RIVO	RIVO	80.154*	Max WS	33.17	152.43	154.41	154.62	155.31	0.022907	5.63	10.78	9.51	1.31
RIVO	RIVO	80.077*	Max WS	33.37	152.32	154.30	154.51	155.17	0.022420	5.55	11.05	9.94	1.29
RIVO	RIVO	80	Max WS	33.99	152.21	154.18	154.48	155.35	0.028174	6.16	9.45	7.74	1.44
RIVO	RIVO	79.875*	Max WS	33.99	152.06	154.07	154.28	154.96	0.021942	5.57	11.22	9.93	1.29
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	33.94	151.91	153.98	154.15	154.83	0.019942	5.46	11.39	9.49	1.24
RIVO	RIVO	79.625*	Max WS	33.88	151.76	153.89	154.03	154.72	0.018013	5.35	11.59	9.04	1.19
RIVO	RIVO	79.500*	Max WS	33.82	151.61	153.82	153.91	154.61	0.016244	5.24	11.79	8.59	1.14
RIVO	RIVO	79.375*	Max WS	33.79	151.46	153.75	153.80	154.52	0.014683	5.15	11.98	8.14	1.10
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	33.53	151.31	153.70	153.68	154.44	0.013037	5.02	12.20	7.69	1.05
RIVO	RIVO	79.125*	Max WS	33.34	151.16	153.65	153.56	154.37	0.011761	4.93	12.36	7.25	1.00
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	33.80	151.01	153.57	153.48	154.34	0.011761	5.05	12.24	6.80	1.01
RIVO	RIVO	78.500*	Max WS	34.22	150.90	153.62		154.16	0.007600	4.17	14.34	7.21	0.82
RIVO	RIVO	78	Max WS	34.00	150.76	153.69		154.06	0.004915	3.42	16.68	7.63	0.66
RIVO	RIVO	77.500*	Max WS	33.52	150.73	153.77		154.01	0.003599	3.08	21.20	11.20	0.57
RIVO	RIVO	77	Max WS	33.03	150.69	153.82		153.98	0.002847	2.85	25.61	14.77	0.51
RIVO	RIVO	76.750*	Max WS	32.23	150.72	153.81		153.98	0.002986	2.89	24.23	13.39	0.53
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	31.34	150.74	153.80		153.97	0.003162	2.95	22.70	12.00	0.54
RIVO	RIVO	76.250*	Max WS	30.32	150.77	153.78		153.97	0.003392	3.03	21.03	10.62	0.56
RIVO	RIVO	76.05		Lat Struct									
RIVO	RIVO	76	Max WS	29.49	150.80	153.76		153.97					

HEC-RAS Plan: S0_TR200* Profile: Max WS (Continued)

IEC-RAS Plan: S0_TR200* Profile: Max WS (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 # Ch
RIVO	RIVO	74.668		Lat Struct									
RIVO	RIVO	74.667*	Max WS	23.27	150.12	153.82		153.93	0.001057	1.93	22.36	7.70	0.32
RIVO	RIVO	74.333*	Max WS	21.53	150.05	153.85		153.93	0.000719	1.62	24.46	8.11	0.27
RIVO	RIVO	74	Max WS	19.66	149.97	153.87	151.68	153.92	0.000485	1.36	26.59	8.53	0.22
RIVO	RIVO	73.50 Strada Vicinale		Bridge									
RIVO	RIVO	73	Max WS	18.32	149.54	153.14		153.20	0.000361	1.11	16.66	4.69	0.19
RIVO	RIVO	72.63		Lat Struct									
RIVO	RIVO	72.5		Lat Struct									
RIVO	RIVO	72	Max WS	18.32	149.54	153.14	150.73	153.20	0.000360	1.11	16.72	4.71	0.19
RIVO	RIVO	71.50 Strada Vicinale		Bridge									
RIVO	RIVO	71	Max WS	18.21	149.21	153.07		153.13	0.000343	1.10	17.03	4.70	0.18
RIVO	RIVO	70.6		Lat Struct									
RIVO	RIVO	70.5		Lat Struct									
RIVO	RIVO	70	Max WS	19.05	149.00	153.10		153.11	0.000124	0.68	54.15	22.11	0.11
RIVO	RIVO	69.936		Lat Struct									
RIVO	RIVO	69.834		Lat Struct									
RIVO	RIVO	69.833*	Max WS	19.49	148.95	153.10		153.11	0.000103	0.63	55.34	22.19	0.10
RIVO	RIVO	69.667*	Max WS	19.96	148.90	153.10		153.11	0.000086	0.59	56.86	22.28	0.09
RIVO	RIVO	69.500*	Max WS	20.37	148.85	153.10		153.11	0.000071	0.54	58.71	22.36	0.09
RIVO	RIVO	69.333*	Max WS	20.82	148.80	153.10		153.11	0.000058	0.50	60.91	22.44	0.06
RIVO	RIVO	69	Max WS	21.41	148.68	153.10	149.45	153.11	0.000038	0.42	66.35	22.61	0.08
RIVO	RIVO	68.50 Strada Vicinale		Bridge									
RIVO	RIVO	68	Max WS	21.40	148.30	153.06		153.07	0.000054	0.52	60.23	19.69	0.08
RIVO	RIVO	67.6		Lat Struct									
RIVO	RIVO	67.5		Lat Struct									
RIVO	RIVO	67	Max WS	28.09	147.90	153.06	150.19	153.07	0.000082	0.67	85.53	32.00	0.09
RIVO	RIVO	66.50 Ferrovia		Bridge									
RIVO	RIVO	66	Max WS	28.09	147.32	149.05	149.80	151.56	0.042600	7.01	4.00	4.18	1.78
RIVO	RIVO	65.931		Lat Struct									
RIVO	RIVO	65.930		Lat Struct									
RIVO	RIVO	65.929*	Max WS	28.01	147.19	148.89	149.46	150.40	0.027245	5.59	5.98	5.16	1.42
RIVO	RIVO	65.857*	Max WS	28.04	147.06	148.76	149.19	150.20	0.025699	5.47	6.31	6.16	1.38
RIVO	RIVO	65.786*	Max WS	28.05	146.93	148.65	149.06	149.99	0.023838	5.32	6.69	7.35	1.33
RIVO	RIVO	65.714*	Max WS	28.08	146.79	148.54	148.92	149.78	0.021629	5.14	7.16	8.46	1.28
RIVO	RIVO	65.643*	Max WS	28.05	146.66	148.44	148.78	149.56	0.018952	4.90	7.79	9.60	1.20
RIVO	RIVO	65.571*	Max WS	27.98	146.53	148.36	148.64	149.32	0.015965	4.61	8.61	10.76	1.11

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO	60	Max WS	21.98	140.99	143.16	143.13	143.91	0.008929	3.94	7.19	6.36	0.86
RIVO	RIVO	59.670	Lat Struct										
RIVO	RIVO	59.668	Lat Struct										
RIVO	RIVO	59.667*	Max WS	22.02	140.87	143.12	143.00	143.84	0.008077	3.84	7.26	5.71	0.82
RIVO	RIVO	59.333*	Max WS	22.07	140.74	143.09	142.87	143.78	0.007369	3.75	7.34	5.05	0.79
RIVO	RIVO	59	Max WS	22.14	140.62	143.06		143.72	0.006793	3.67	7.42	4.40	0.76
RIVO	RIVO	58.833*	Max WS	22.24	140.53	143.05		143.64	0.005948	3.52	8.05	4.54	0.71
RIVO	RIVO	58.667*	Max WS	22.53	140.43	143.04		143.58	0.005160	3.37	8.82	4.68	0.67
RIVO	RIVO	58.500*	Max WS	23.07	140.34	143.04		143.52	0.004576	3.25	9.64	4.82	0.64
RIVO	RIVO	58.335	Lat Struct										
RIVO	RIVO	58.334	Lat Struct										
RIVO	RIVO	58.333*	Max WS	22.62	140.25	143.09		143.47	0.003413	2.92	10.85	4.97	0.55
RIVO	RIVO	58.167*	Max WS	21.40	140.14	143.17		143.45	0.002302	2.50	12.29	5.11	0.46
RIVO	RIVO	58	Max WS	19.43	140.02	143.26	141.96	143.44	0.001444	2.06	13.83	5.25	0.37
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	19.43	139.79	141.94	142.02	143.08	0.013916	4.78	4.61	2.53	1.06
RIVO	RIVO	56.805	Lat Struct										
RIVO	RIVO	56.802	Lat Struct										
RIVO	RIVO	56.800*	Max WS	20.15	139.74	141.88	141.99	143.06	0.014387	4.87	4.72	2.60	1.08
RIVO	RIVO	56.600*	Max WS	20.73	139.69	141.81	141.94	143.03	0.014679	4.92	4.77	2.67	1.09
RIVO	RIVO	56.400*	Max WS	21.12	139.64	141.75	141.88	142.97	0.014725	4.93	4.83	2.73	1.09
RIVO	RIVO	56.200*	Max WS	21.39	139.59	141.69	141.81	142.90	0.014630	4.92	4.88	2.80	1.09
RIVO	RIVO	56	Max WS	21.62	139.54	141.62	141.75	142.82	0.014464	4.89	4.94	2.86	1.08
RIVO	RIVO	55.909*	Max WS	21.77	139.44	141.56	141.67	142.76	0.014194	4.90	4.99	2.84	1.08
RIVO	RIVO	55.820	Lat Struct										
RIVO	RIVO	55.819	Lat Struct										
RIVO	RIVO	55.818*	Max WS	21.75	139.33	141.49	141.58	142.68	0.013670	4.87	5.05	2.82	1.06
RIVO	RIVO	55.727*	Max WS	21.80	139.22	141.42	141.50	142.60	0.013229	4.85	5.11	2.81	1.05
RIVO	RIVO	55.636*	Max WS	21.85	139.12	141.36	141.42	142.53	0.012785	4.83	5.18	2.80	1.03
RIVO	RIVO	55.545*	Max WS	21.98	139.01	141.30	141.35	142.46	0.012423	4.82	5.25	2.80	1.02
RIVO	RIVO	55.455*	Max WS	22.19	138.91	141.24	141.28	142.41	0.012139	4.83	5.33	2.81	1.01
RIVO	RIVO	55.364*	Max WS	22.50	138.80	141.18	141.22	142.36	0.011970	4.86	5.42	2.83	1.01
RIVO	RIVO	55.276	Lat Struct										
RIVO	RIVO	55.274	Lat Struct										
RIVO	RIVO	55.273*	Max WS	22.93	138.70	141.13	141.17	142.33	0.011939	4.92	5.51	2.82	1.01
RIVO	RIVO	55.182*	Max WS	23.11	138.59	141.07	141.09	142.27	0.011631	4.93	5.61	2.81	1.00
RIVO	RIVO	55.091*	Max WS	22.65	138.49	141.02	140.98	142.15	0.010698	4.79	5.71	2.79	0.96
RIVO	RIVO	55	Max WS	21.86	138.38	140.97	140.84	142.00	0.009495	4.58	5.83	2.78	0.91
RIVO	RIVO	54.909*	Max WS	20.06	138.31	140.93		141.81	0.007924	4.21	5.80	2.75	0.83
RIVO	RIVO	54.818*	Max WS	19.93	138.25	140.90		141.77	0.007699	4.19	5.79	2.72	0.82
RIVO	RIVO	54.729	Lat Struct										
RIVO	RIVO	54.728	Lat Struct										
RIVO	RIVO	54.727*	Max WS	19.79	138.18	140.87		141.73	0.007485	4.17	5.77	2.68	0.81
RIVO	RIVO	54.636*	Max WS	19.62	138.12	140.84		141.68	0.007222	4.13	5.76	2.65	0.80
RIVO	RIVO	54.545*	Max WS	20.13	138.05	140.79		141.70	0.007693	4.28	5.69	2.62	0.83
RIVO	RIVO	54.455*	Max WS	20.96	137.99	140.75	140.53	141.74	0.008326	4.48	5.65	2.59	0.86
RIVO	RIVO	54.364*	Max WS	21.69	137.92	140.70	140.55	141.79	0.008922	4.66	5.60	2.56	0.89
RIVO	RIVO	54.273*	Max WS	21.29	137.86	140.66	140.48	141.72	0.008614	4.61	5.55	2.52	0.88
RIVO	RIVO	54.184	Lat Struct										
RIVO	RIVO	54.183	Lat Struct										
RIVO	RIVO	54.182*	Max WS	20.34	137.79	140.62	140.37	141.60	0.007864	4.43	5.50	2.49	0.84
RIVO	RIVO	54.091*	Max WS	20.02	137.73	140.59		141.54	0.007577	4.37	5.46	2.46	0.83
RIVO	RIVO	54	Max WS	20.82	137.66	140.55	140.33	141.60	0.008194	4.58	5.41	2.43	0.86
RIVO	RIVO	53.900*	Max WS	21.05	137.58	140.54		141.51	0.007347	4.40	5.60	2.45	0.82
RIVO	RIVO	53.800*	Max WS	21.28	137.50	140.54		141.44	0.006599	4.24	5.80	2.47	0.78
RIVO	RIVO	53.700*	Max WS	21.51	137.43	140.54		141.37	0.005901	4.08	6.03	2.50	0.74
RIVO	RIVO	53.600*	Max WS	21.72	137.35	140.54		141.32	0.005244	3.91	6.27	2.52	0.70
RIVO	RIVO	53.500*	Max WS	21.79	137.27	140.56		141.26	0.004555	3.72	6.56	2.54	0.66
RIVO	RIVO	53.400*	Max WS	21.70	137.19	140.60		141.22	0.003852	3.50	6.90	2.56	0.61
RIVO	RIVO	53.300*	Max WS	21.45	137.11	140.65		141.19	0.003173	3.26	7.29	2.58	0.55
RIVO	RIVO	53.200*	Max WS	21.14	137.04	140.71		141.17	0.002602	3.02	7.70	2.61	0.50
RIVO	RIVO	53.100*	Max WS	20.79	136.96	140.77		141.17	0.002136	2.80	8.12	2.63	0.46
RIVO	RIVO	53	Max WS	20.40	136.88	140.82	139.11	141.17	0.001760	2.60	8.54	2.65	0.42
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	20.40	136.37	138.42	138.66	139.79	0.018854	5.17	3.94	3.49	1.19
RIVO	RIVO	51.755	Lat Struct										
RIVO	RIVO	51.751	Lat Struct										
RIVO	RIVO	51.750*	Max WS	20.64	136.26	138.34	138.41	139.25	0.013125	4.38	5.97	4.33	1.00
RIVO	RIVO	51.500*	Max WS	20.75	136.15	138.28	138.36	139.10	0.011684	4.24	6.65	5.58	0.95
RIVO	RIVO	51.250*	Max WS	20.79	136.04	138.23	138.30	138.95	0.010114	4.06	7.75	8.30	0.90
RIVO	RIVO	51	Max WS	20.79	135.93	138.19	138.21	138.59	0.006327	3.31	12.14	17.26	0.72
RIVO	RIVO	50.800*	Max WS	20.80	135.82	138.15	138.21	138.58	0.006127	3.34	11.65	17.35	0.71
RIVO	RIVO	50.600*	Max WS	20.80	135.70	138.12	138.17	138.57	0.005661	3.29	11.39	17.31	0.68
RIVO	RIVO	50.403	Lat Struct										
RIVO	RIVO	50.402	Lat Struct										
RIVO	RIVO	50.400*	Max WS	20.80	135.59	138.11	137.91	138.50	0.004710	3.08	11.66	15.54	0.63
RIVO	RIVO	50.200*	Max WS	20.80	135.47	138.11		138.44	0.003705	2.82	12.51	14.30	0.56
RIVO	RIVO	50	Max WS	20.80	135.36	138.12	137.39	138.39	0.002868	2.56	13.69	13.76	0.50
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	20.80	135.23	137.59	137.45	138.23	0.009006	4.06	8.42	7.24	0.85
RIVO	RIVO	48.835	Lat Struct										
RIVO	RIVO	48.834	Lat Struct										
RIVO	RIVO	48.833*	Max WS	20.79	135.16	137.57	137.37	138.14	0.007550	3.79	8.87	7.21	0.79
RIVO	RIVO	48.667*	Max WS	20.79	135.09	137.56		138.05	0.006235	3.52	9.41	7.20	0.72
RIVO	RIVO	48.500*	Max WS	20.79	135.02	137.55		138.00	0.005320	3.32	9.99	7.98	0.67
RIVO	RIVO	48.333*	Max WS	20.79	134.96	137.55		137.96	0.004565	3.14	10.69	9.45	0.63
RIVO	RIVO	48.167*	Max WS	20.79	134.89	137.56		137.91	0.003833	2.93	11.65	11.31	0.58
RIVO	RIVO	48	Max WS	20.79	134.82	137.56		137.88	0.003252	2.75	12.89	14.88	0.54
RIVO	RIVO	47.835	Lat Struct										
RIVO	RIVO	47.834	Lat Struct										
RIVO	RIVO	47.833*	Max WS	20.79	134.82	137.56		137.85	0.003090	2.68	14.49	20.12	0.52
RIVO	RIVO	47.667*	Max WS	20.79	134.81	137.58		137.81	0.002621	2.48	16.86	21.99	0.48
RIVO	RIVO	47.500*	Max WS	20.79	134.81	137.60		137.77	0.002149	2.25	19.64	23.86	0.44
RIVO	RIVO	47.333*	Max WS	20.79	134.81	137.61		137.74	0.001736	2.03	22.71	25.74	0.39
RIVO	RIVO	47.167*	Max WS	20.79	134.80	137.62		137.72	0.001391	1.82	26.04	27.61	0.35
RIVO	RIVO	47	Max WS	20.79	134.80	137.63	136.96	137.70	0.001110	1.62	29.62	29.48	0.31
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	20.79	134.50	136.44	136.53	137.28	0.013105	4.45	6.85	6.08	1.02
RIVO	RIVO	45.755	Lat Struct										
RIVO	RIVO	45.752	Lat Struct										
RIVO	RIVO	45.750*	Max WS	20.79	133.98	136.38	136.28	137.05	0.008087	3.88	7.74	5.99	0.82
RIVO	RIVO	45.500*	Max WS	20.79	133.96	136.35	136.21	136.98	0.007598	3.78	7.96	5.99	0.80
RIVO	RIVO	45.250*	Max WS	20.79	133.93	136.32		136.91</					

HEC-RAS Plan: S0_TR200" Profile: Max WS (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
RIVO	RIVO	44.931*	Max WS	20.79	133.86	136.32		136.80	0.005623	3.37	9.31	6.67	0.69
RIVO	RIVO	44.897*	Max WS	20.79	133.83	136.33		136.78	0.005319	3.31	9.61	6.95	0.68
RIVO	RIVO	44.862*	Max WS	20.79	133.81	136.33		136.77	0.005046	3.25	9.89	7.22	0.66
RIVO	RIVO	44.828*	Max WS	20.79	133.78	136.34		136.76	0.004807	3.20	10.16	7.50	0.64
RIVO	RIVO	44.793*	Max WS	20.79	133.76	136.34		136.75	0.004594	3.15	10.42	7.76	0.63
RIVO	RIVO	44.759*	Max WS	20.79	133.73	136.34		136.74	0.004407	3.11	10.66	8.03	0.62
RIVO	RIVO	44.724*	Max WS	20.79	133.70	136.35		136.73	0.004242	3.07	10.88	8.28	0.61
RIVO	RIVO	44.690*	Max WS	20.79	133.68	136.35		136.72	0.004091	3.03	11.09	8.52	0.60
RIVO	RIVO	44.655*	Max WS	20.79	133.65	136.35		136.71	0.003956	3.00	11.29	8.76	0.59
RIVO	RIVO	44.623	Lat Struct										
RIVO	RIVO	44.622	Lat Struct										
RIVO	RIVO	44.621*	Max WS	20.79	133.63	136.35		136.70	0.003832	2.98	11.47	8.98	0.58
RIVO	RIVO	44.586*	Max WS	20.79	133.60	136.35		136.70	0.003718	2.95	11.65	9.19	0.57
RIVO	RIVO	44.552*	Max WS	20.79	133.57	136.35		136.69	0.003608	2.92	11.82	9.38	0.57
RIVO	RIVO	44.517*	Max WS	20.79	133.55	136.35		136.69	0.003512	2.90	11.97	9.55	0.56
RIVO	RIVO	44.502	Lat Struct										
RIVO	RIVO	44.483*	Max WS	20.79	133.52	136.35		136.68	0.003451	2.89	12.12	9.87	0.55
RIVO	RIVO	44.448*	Max WS	20.79	133.50	136.35		136.68	0.003383	2.88	12.27	10.15	0.55
RIVO	RIVO	44.414*	Max WS	20.79	133.47	136.35		136.67	0.003312	2.87	12.44	10.51	0.55
RIVO	RIVO	44.379*	Max WS	20.79	133.44	136.34		136.67	0.003239	2.85	12.61	10.83	0.54
RIVO	RIVO	44.345*	Max WS	20.79	133.42	136.34		136.66	0.003148	2.83	12.81	11.07	0.53
RIVO	RIVO	44.310*	Max WS	20.79	133.39	136.35		136.66	0.003052	2.80	13.03	11.25	0.53
RIVO	RIVO	44.276*	Max WS	20.79	133.37	136.35		136.65	0.002951	2.77	13.26	11.41	0.52
RIVO	RIVO	44.241*	Max WS	20.79	133.34	136.35		136.64	0.002846	2.74	13.51	11.53	0.51
RIVO	RIVO	44.207*	Max WS	20.79	133.32	136.35		136.64	0.002735	2.70	13.79	11.63	0.50
RIVO	RIVO	44.172*	Max WS	20.79	133.29	136.36		136.63	0.002620	2.66	14.10	11.67	0.49
RIVO	RIVO	44.138*	Max WS	20.79	133.26	136.36		136.62	0.002510	2.62	14.42	11.80	0.48
RIVO	RIVO	44.103*	Max WS	20.79	133.24	136.36		136.62	0.002414	2.59	14.75	12.08	0.47
RIVO	RIVO	44.069*	Max WS	20.79	133.21	136.36		136.61	0.002322	2.55	15.08	12.36	0.46
RIVO	RIVO	44.034*	Max WS	20.79	133.19	136.37		136.61	0.002236	2.52	15.42	12.64	0.45
RIVO	RIVO	44	Max WS	20.79	133.16	136.37		136.60	0.002150	2.48	15.77	12.92	0.45
RIVO	RIVO	43.6685	Lat Struct										
RIVO	RIVO	43.668	Lat Struct										
RIVO	RIVO	43.667*	Max WS	20.79	133.11	136.38		136.58	0.001818	2.28	18.21	19.22	0.41
RIVO	RIVO	43.334	Lat Struct										
RIVO	RIVO	43.333*	Max WS	20.79	133.06	136.41		136.54	0.001292	1.91	20.41	14.95	0.34
RIVO	RIVO	43	Max WS	20.79	133.01	136.37	135.11	136.55	0.001599	2.08	15.82	8.68	0.37
RIVO	RIVO	42.50	Bridge										
RIVO	RIVO	42	Max WS	18.60	132.36	134.99	135.23	136.33	0.013759	5.57	5.31	3.64	1.10
RIVO	RIVO	41.650*	Max WS	18.59	132.36	134.97	135.30	136.45	0.014759	5.76	5.16	3.64	1.14
RIVO	RIVO	41.300	Max WS	18.59	132.36	134.96	135.22	136.33	0.014120	5.61	5.23	3.64	1.11
RIVO	RIVO	41.250*	Max WS	18.59	132.36	134.95	135.30	136.47	0.015322	5.83	5.08	3.64	1.16
RIVO	RIVO	41.200	Max WS	18.59	132.36	134.94	135.23	136.35	0.014803	5.71	5.13	3.64	1.14
RIVO	RIVO MEDIO	41	Max WS	24.77	131.99	134.94		135.95	0.007641	4.47	5.93	2.24	0.83
RIVO	RIVO MEDIO	40.802	Lat Struct										
RIVO	RIVO MEDIO	40.801	Lat Struct										
RIVO	RIVO MEDIO	40.800*	Max WS	23.57	131.95	134.90		135.77	0.006441	4.11	5.97	2.25	0.77
RIVO	RIVO MEDIO	40.600*	Max WS	22.74	131.90	134.90		135.63	0.005406	3.80	6.13	2.10	0.70
RIVO	RIVO MEDIO	40.400*	Max WS	21.88	131.86	134.96		135.55	0.004206	3.42	6.53	2.16	0.62
RIVO	RIVO MEDIO	40.200*	Max WS	20.82	131.81	135.06		135.52	0.003084	3.02	7.03	2.22	0.54
RIVO	RIVO MEDIO	40	Max WS	19.52	131.77	135.18	133.80	135.53	0.002169	2.62	7.60	2.28	0.45
RIVO	RIVO MEDIO	39.50	Accesso Privato										
RIVO	RIVO MEDIO	39	Max WS	19.51	131.53	132.82	132.92	133.61	0.018504	3.95	4.94	4.07	1.13
RIVO	RIVO MEDIO	38.669	Lat Struct										
RIVO	RIVO MEDIO	38.668	Lat Struct										
RIVO	RIVO MEDIO	38.667*	Max WS	19.54	131.29	132.75	132.72	133.40	0.013121	3.61	5.91	4.62	0.97
RIVO	RIVO MEDIO	38.333*	Max WS	19.55	131.05	132.70		133.21	0.009012	3.24	7.08	5.36	0.82
RIVO	RIVO MEDIO	38	Max WS	19.54	130.80	132.69		133.03	0.005616	2.79	9.58	9.46	0.66
RIVO	RIVO MEDIO	37.667*	Max WS	19.51	130.68	132.63		133.08	0.006099	3.18	8.40	7.80	0.74
RIVO	RIVO MEDIO	37.333*	Max WS	19.70	130.57	132.57		133.16	0.008825	3.68	7.44	5.53	0.84
RIVO	RIVO MEDIO	37	Max WS	19.66	130.45	132.52	132.52	133.30	0.011770	4.37	6.75	4.92	0.98
RIVO	RIVO MEDIO	36.964	Lat Struct										
RIVO	RIVO MEDIO	36.963	Lat Struct										
RIVO	RIVO MEDIO	36.962*	Max WS	19.62	130.40	132.46	132.46	133.23	0.011751	4.35	6.77	4.97	0.97
RIVO	RIVO MEDIO	36.923*	Max WS	19.58	130.36	132.40	132.40	133.16	0.011746	4.33	6.79	5.02	0.97
RIVO	RIVO MEDIO	36.885*	Max WS	19.55	130.31	132.35	132.35	133.10	0.011729	4.32	6.82	5.08	0.97
RIVO	RIVO MEDIO	36.846*	Max WS	19.51	130.26	132.29	132.29	133.03	0.011721	4.30	6.84	5.13	0.97
RIVO	RIVO MEDIO	36.808*	Max WS	19.48	130.21	132.23	132.22	132.96	0.011698	4.28	6.86	5.18	0.97
RIVO	RIVO MEDIO	36.769*	Max WS	19.45	130.17	132.17	132.16	132.90	0.011682	4.26	6.89	5.24	0.97
RIVO	RIVO MEDIO	36.733	Lat Struct										
RIVO	RIVO MEDIO	36.732	Lat Struct										
RIVO	RIVO MEDIO	36.731*	Max WS	19.33	130.12	132.11	132.09	132.82	0.011544	4.22	6.92	5.29	0.96
RIVO	RIVO MEDIO	36.692*	Max WS	19.33	130.07	132.06	132.02	132.76	0.011553	4.21	6.94	5.35	0.96
RIVO	RIVO MEDIO	36.654*	Max WS	19.34	130.02	132.00	131.96	132.70	0.011558	4.19	6.97	5.41	0.96
RIVO	RIVO MEDIO	36.615*	Max WS	19.35	129.98	131.94	131.91	132.63	0.011562	4.18	7.00	5.47	0.96
RIVO	RIVO MEDIO	36.577*	Max WS	19.35	129.93	131.88	131.85	132.57	0.011578	4.17	7.03	5.53	0.96
RIVO	RIVO MEDIO	36.538*	Max WS	19.36	129.88	131.83	131.79	132.51	0.011669	4.17	7.06	5.69	0.96
RIVO	RIVO MEDIO	36.502	Lat Struct										
RIVO	RIVO MEDIO	36.501	Lat Struct										
RIVO	RIVO MEDIO	36.500*	Max WS	19.38	129.84	131.77	131.74	132.46	0.011808	4.17	7.08	5.91	0.97
RIVO	RIVO MEDIO	36.462*	Max WS	19.38	129.79	131.71	131.65	132.40	0.011931	4.18	7.11	6.12	0.97
RIVO	RIVO MEDIO	36.423*	Max WS	19.36	129.74	131.65	131.54	132.34	0.012032	4.18	7.13	6.32	0.97
RIVO	RIVO MEDIO	36.385*	Max WS	19.29	129.69	131.59	131.51	132.27	0.012061	4.16	7.15	6.53	0.97
RIVO	RIVO MEDIO	36.346*	Max WS	19.28	129.65	131.53	131.43	132.21	0.012190	4.17	7.18	6.73	0.98
RIVO	RIVO MEDIO	36.308*	Max WS	19.28	129.60	131.47	131.36	132.15	0.012282	4.16	7.20	6.86	0.98
RIVO	RIVO MEDIO	36.271	Lat Struct										
RIVO	RIVO MEDIO	36.270	Lat Struct										
RIVO	RIVO MEDIO	36.269*	Max WS	19.27	129.55	131.40	131.30	132.08	0.012391	4.16	7.22	6.96	0.98
RIVO	RIVO MEDIO	36.231*	Max WS	19.25	129.50	131.34	131.24	132.02	0.012509	4.16	7.23	7.06	0.99
RIVO	RIVO MEDIO	36.192*	Max WS	19.24	129.46	131.28	131.16	131.95	0.012648	4.15	7.24	7.16	0.99
RIVO	RIVO MEDIO	36.154*	Max WS	19.18	129.41	131.22	131.05	131.88	0.012735	4.14	7.25	7.25	0.99
RIVO	RIVO MEDIO	36.115*	Max WS	19.18	129.36	131.15	131.00	131.82	0.012922	4.15	7.25	7.35	1.00
RIVO	RIVO MEDIO	36.077*	Max WS	19.16	129.32	131.09	130.95	131.76	0.013146	4.16	7.25	7.45	1.00
RIVO	RIVO MEDIO	36.040	Lat Struct										
RIVO	RIVO MEDIO	36.039	Lat Struct										
RIVO	RIVO MEDIO	36.038*	Max WS	19.15	129.27	131.02	130.87	131.69	0.013417	4.17	7.23	7.54	1.01
RIVO	RIVO MEDIO	36	Max WS	19.13	129.22	130.95	130.81	131.63	0.013722	4.18	7.21	7.64	1.02
RIVO	RIVO MEDIO	35.967*	Max WS	19.09	129.15	130.89	130.74	131.56	0.013659	4.17	7.20	7.58	1.02
RIVO	RIVO MEDIO	35.933*	Max WS	19.08	129.08	130.82	130.67	131.49	0.013657	4.18	7.19	7.53	1.02
RIVO	RIVO MEDIO	35.900*											

HEC-RAS Plan: S0_TR200" Profile: Max WS (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
RIVO	RIVO_MEDIO	35.767*	Max WS	18.97	128.73	130.49	130.33	131.15	0.013455	4.16	7.17	7.26	1.01
RIVO	RIVO_MEDIO	35.733*	Max WS	18.94	128.66	130.42	130.26	131.08	0.013400	4.15	7.17	7.21	1.01
RIVO	RIVO_MEDIO	35.700*	Max WS	18.92	128.59	130.36	130.19	131.01	0.013316	4.14	7.17	7.16	1.01
RIVO	RIVO_MEDIO	35.667*	Max WS	18.89	128.52	130.29	130.13	130.94	0.013231	4.13	7.18	7.11	1.00
RIVO	RIVO_MEDIO	35.635	Lat Struct										
RIVO	RIVO_MEDIO	35.634	Lat Struct										
RIVO	RIVO_MEDIO	35.633*	Max WS	18.84	128.45	130.23	130.06	130.87	0.013093	4.12	7.19	7.06	1.00
RIVO	RIVO_MEDIO	35.600*	Max WS	18.81	128.38	130.16	130.00	130.80	0.012967	4.10	7.20	7.01	0.99
RIVO	RIVO_MEDIO	35.567*	Max WS	18.77	128.31	130.10	129.92	130.73	0.012808	4.09	7.21	6.96	0.99
RIVO	RIVO_MEDIO	35.533*	Max WS	18.73	128.24	130.04	129.85	130.66	0.012618	4.06	7.24	6.92	0.98
RIVO	RIVO_MEDIO	35.500*	Max WS	18.68	128.18	129.98	130.02	130.59	0.012397	4.04	7.27	6.87	0.97
RIVO	RIVO_MEDIO	35.467*	Max WS	18.63	128.11	129.92	129.96	130.52	0.012137	4.01	7.30	6.83	0.96
RIVO	RIVO_MEDIO	35.435	Lat Struct										
RIVO	RIVO_MEDIO	35.434	Lat Struct										
RIVO	RIVO_MEDIO	35.433*	Max WS	18.57	128.04	129.86	129.89	130.45	0.011825	3.97	7.35	6.79	0.95
RIVO	RIVO_MEDIO	35.400*	Max WS	18.53	127.97	129.80	129.82	130.38	0.011475	3.93	7.41	6.72	0.94
RIVO	RIVO_MEDIO	35.367*	Max WS	18.49	127.90	129.75	129.75	130.31	0.011065	3.88	7.49	6.63	0.92
RIVO	RIVO_MEDIO	35.333*	Max WS	18.46	127.83	129.70	129.67	130.24	0.010607	3.82	7.59	6.55	0.90
RIVO	RIVO_MEDIO	35.300*	Max WS	18.43	127.76	129.65		130.18	0.010098	3.76	7.71	6.47	0.88
RIVO	RIVO_MEDIO	35.267*	Max WS	18.43	127.69	129.61		130.11	0.009593	3.70	7.85	6.38	0.86
RIVO	RIVO_MEDIO	35.235	Lat Struct										
RIVO	RIVO_MEDIO	35.234	Lat Struct										
RIVO	RIVO_MEDIO	35.233*	Max WS	18.40	127.62	129.58		130.05	0.009006	3.62	8.01	6.30	0.84
RIVO	RIVO_MEDIO	35.200*	Max WS	18.41	127.55	129.54		130.00	0.008474	3.55	8.18	6.21	0.82
RIVO	RIVO_MEDIO	35.167*	Max WS	18.33	127.48	129.51		129.95	0.007769	3.45	8.40	6.12	0.78
RIVO	RIVO_MEDIO	35.133*	Max WS	18.27	127.41	129.49		129.90	0.007124	3.35	8.63	6.04	0.75
RIVO	RIVO_MEDIO	35.100*	Max WS	18.15	127.34	129.48		129.85	0.006424	3.24	8.90	5.95	0.72
RIVO	RIVO_MEDIO	35.067*	Max WS	18.02	127.27	129.47		129.82	0.005781	3.13	9.18	5.87	0.68
RIVO	RIVO_MEDIO	35.035	Lat Struct										
RIVO	RIVO_MEDIO	35.034	Lat Struct										
RIVO	RIVO_MEDIO	35.033*	Max WS	17.88	127.20	129.46		129.78	0.005194	3.02	9.46	5.79	0.65
RIVO	RIVO_MEDIO	35	Max WS	17.51	127.13	129.46		129.75	0.004473	2.86	9.82	5.70	0.61
RIVO	RIVO_MEDIO	34.667*	Max WS	17.18	127.03	129.43		129.75	0.004663	2.99	9.25	5.19	0.62
RIVO	RIVO_MEDIO	34.333*	Max WS	16.93	126.93	129.37		129.76	0.005123	3.20	8.56	4.68	0.66
RIVO	RIVO_MEDIO	34	Max WS	16.44	126.83	129.32	128.83	129.77	0.005509	3.38	7.86	4.17	0.69
RIVO	RIVO_MEDIO	33.5	Bridge										
RIVO	RIVO_MEDIO	33	Max WS	16.44	126.79	128.10	128.77	130.20	0.058427	7.18	3.30	3.76	2.01
RIVO	RIVO_MEDIO	32.952*	Max WS	16.44	126.74	128.04	128.71	130.14	0.057882	7.10	3.31	3.76	2.00
RIVO	RIVO_MEDIO	32.905*	Max WS	16.44	126.70	127.98	128.64	130.04	0.056542	6.96	3.31	3.77	1.97
RIVO	RIVO_MEDIO	32.857*	Max WS	16.44	126.65	127.93	128.57	129.93	0.054984	6.83	3.32	3.77	1.94
RIVO	RIVO_MEDIO	32.810*	Max WS	16.43	126.61	127.88	128.51	129.83	0.053443	6.69	3.34	3.77	1.91
RIVO	RIVO_MEDIO	32.802	Lat Struct										
RIVO	RIVO_MEDIO	32.801	Lat Struct										
RIVO	RIVO_MEDIO	32.762*	Max WS	16.44	126.56	127.83	128.45	129.72	0.051734	6.55	3.36	3.78	1.88
RIVO	RIVO_MEDIO	32.714*	Max WS	16.44	126.51	127.78	128.39	129.61	0.049923	6.41	3.38	3.78	1.84
RIVO	RIVO_MEDIO	32.667*	Max WS	16.44	126.47	127.73	128.32	129.49	0.047933	6.26	3.42	3.79	1.80
RIVO	RIVO_MEDIO	32.619*	Max WS	16.45	126.42	127.68	128.24	129.37	0.045805	6.11	3.46	3.79	1.76
RIVO	RIVO_MEDIO	32.571*	Max WS	16.42	126.37	127.64	128.17	129.25	0.043456	5.94	3.51	3.81	1.72
RIVO	RIVO_MEDIO	32.524*	Max WS	16.43	126.33	127.60	128.11	129.14	0.041166	5.78	3.58	3.84	1.67
RIVO	RIVO_MEDIO	32.476*	Max WS	16.44	126.28	127.56	128.04	129.02	0.038828	5.62	3.65	3.88	1.62
RIVO	RIVO_MEDIO	32.429*	Max WS	16.46	126.24	127.52	127.97	128.91	0.036410	5.46	3.73	3.91	1.57
RIVO	RIVO_MEDIO	32.381*	Max WS	16.48	126.19	127.49	127.90	128.80	0.033997	5.30	3.82	3.96	1.52
RIVO	RIVO_MEDIO	32.333*	Max WS	16.50	126.14	127.46	127.83	128.69	0.031547	5.13	3.92	4.00	1.46
RIVO	RIVO_MEDIO	32.286*	Max WS	16.53	126.10	127.43	127.76	128.59	0.029162	4.96	4.04	4.05	1.41
RIVO	RIVO_MEDIO	32.238*	Max WS	16.56	126.05	127.40	127.69	128.49	0.026895	4.80	4.16	4.11	1.36
RIVO	RIVO_MEDIO	32.190*	Max WS	16.59	126.00	127.37	127.62	128.39	0.024638	4.63	4.29	4.16	1.30
RIVO	RIVO_MEDIO	32.143*	Max WS	16.62	125.96	127.35	127.57	128.30	0.022522	4.47	4.44	4.22	1.25
RIVO	RIVO_MEDIO	32.095*	Max WS	16.64	125.91	127.33	127.51	128.21	0.020435	4.30	4.59	4.28	1.19
RIVO	RIVO_MEDIO	32.048*	Max WS	16.65	125.87	127.31	127.45	128.13	0.018519	4.14	4.76	4.34	1.14
RIVO	RIVO_MEDIO	32	Max WS	16.66	125.82	127.29	127.38	128.05	0.016704	3.98	4.93	4.40	1.08
RIVO	RIVO_MEDIO	31.993*	Max WS	16.67	125.80	127.28	127.37	128.04	0.016682	3.98	4.94	4.41	1.08
RIVO	RIVO_MEDIO	31.986*	Max WS	16.67	125.78	127.26	127.35	128.02	0.016692	3.98	4.94	4.41	1.08
RIVO	RIVO_MEDIO	31.979*	Max WS	16.68	125.77	127.24	127.34	128.03	0.017046	4.03	4.95	4.42	1.09
RIVO	RIVO_MEDIO	31.972*	Max WS	16.68	125.75	127.23	127.32	127.99	0.016691	3.99	4.95	4.43	1.08
RIVO	RIVO_MEDIO	31.965*	Max WS	16.69	125.73	127.21	127.30	127.97	0.016676	3.99	4.96	4.43	1.08
RIVO	RIVO_MEDIO	31.958*	Max WS	16.69	125.71	127.19	127.29	127.95	0.016651	3.99	4.97	4.44	1.08
RIVO	RIVO_MEDIO	31.951*	Max WS	16.69	125.70	127.18	127.27	127.94	0.016638	3.99	4.97	4.45	1.08
RIVO	RIVO_MEDIO	31.944*	Max WS	16.69	125.68	127.16	127.25	127.92	0.016607	3.99	4.98	4.46	1.08
RIVO	RIVO_MEDIO	31.937*	Max WS	16.69	125.66	127.15	127.24	127.90	0.016587	3.99	4.98	4.46	1.08
RIVO	RIVO_MEDIO	31.930*	Max WS	16.69	125.64	127.13	127.22	127.89	0.016559	3.99	4.99	4.47	1.08
RIVO	RIVO_MEDIO	31.925	Lat Struct										
RIVO	RIVO_MEDIO	31.924	Lat Struct										
RIVO	RIVO_MEDIO	31.923*	Max WS	16.71	125.63	127.11	127.20	127.87	0.016577	3.99	4.99	4.48	1.08
RIVO	RIVO_MEDIO	31.916*	Max WS	16.71	125.61	127.10	127.19	127.85	0.016563	3.99	5.00	4.48	1.08
RIVO	RIVO_MEDIO	31.909*	Max WS	16.73	125.59	127.08	127.17	127.84	0.016562	4.00	5.01	4.49	1.08
RIVO	RIVO_MEDIO	31.902*	Max WS	16.75	125.57	127.06	127.15	127.82	0.016596	4.00	5.01	4.50	1.08
RIVO	RIVO_MEDIO	31.895*	Max WS	16.76	125.55	127.05	127.14	127.81	0.016597	4.00	5.02	4.50	1.08
RIVO	RIVO_MEDIO	31.888*	Max WS	16.77	125.54	127.03	127.12	127.79	0.016587	4.01	5.02	4.51	1.08
RIVO	RIVO_MEDIO	31.881*	Max WS	16.73	125.52	127.01	127.10	127.77	0.016468	3.99	5.03	4.52	1.08
RIVO	RIVO_MEDIO	31.874*	Max WS	16.74	125.50	127.00	127.09	127.75	0.016444	3.99	5.04	4.52	1.08
RIVO	RIVO_MEDIO	31.867*	Max WS	16.74	125.48	126.98	127.07	127.74	0.016437	4.00	5.04	4.53	1.08
RIVO	RIVO_MEDIO	31.860*	Max WS	16.73	125.47	126.96	127.05	127.72	0.016410	3.99	5.05	4.54	1.08
RIVO	RIVO_MEDIO	31.853*	Max WS	16.73	125.45	126.95	127.04	127.70	0.016342	3.99	5.06	4.54	1.07
RIVO	RIVO_MEDIO	31.846*	Max WS	16.73	125.43	126.93	127.02	127.68	0.016308	3.99	5.06	4.55	1.07
RIVO	RIVO_MEDIO	31.839*	Max WS	16.73	125.41	126.92	127.00	127.67	0.016259	3.99	5.07	4.56	1.07
RIVO	RIVO_MEDIO	31.832*	Max WS	16.72	125.39	126.90	126.99	127.65	0.016244	3.99	5.08	4.56	1.07
RIVO	RIVO_MEDIO	31.825*	Max WS	16.72	125.38	126.88	126.97	127.63	0.016183	3.98	5.08	4.57	1.07
RIVO	RIVO_MEDIO	31.818*	Max WS	16.72	125.36	126.87	126.95	127.61	0.016146	3.98	5.09	4.58	1.07
RIVO	RIVO_MEDIO	31.811*	Max WS	16.72	125.34	126.85	126.93	127.60	0.016111	3.98	5.10	4.58	1.07
RIVO	RIVO_MEDIO	31.804*	Max WS	16.72	125.32	126.84	126.92	127.58	0.016070	3.98	5.11	4.59	1.07
RIVO	RIVO_MEDIO	31.797*	Max WS	16.71	125.31	126.82	126.90	127.56	0.016028	3.98	5.11	4.60	1.06
RIVO	RIVO_MEDIO	31.790*	Max WS	16.71	125.29	126.80	126.88	127.55	0.015970	3.97	5.12	4.61	1.06
RIVO	RIVO_MEDIO	31.783*	Max WS	16.71	125.27	126.79	126.87	127.53	0.015920	3.97	5.13	4.61	1.06
RIVO	RIVO_MEDIO	31.776*	Max WS	16.67	125.25								

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.706*	Max WS	16.61	125.07	126.62	126.68	127.33	0.015058	3.91	5.25	4.70	1.04
RIVO	RIVO_MEDIO	31.699*	Max WS	16.61	125.06	126.60	126.66	127.31	0.014957	3.90	5.27	4.71	1.03
RIVO	RIVO_MEDIO	31.6919*	Max WS	16.61	125.04	126.59	126.64	127.29	0.014900	3.90	5.28	4.72	1.03
RIVO	RIVO_MEDIO	31.685*	Max WS	16.61	125.02	126.57	126.63	127.28	0.014809	3.89	5.29	4.73	1.03
RIVO	RIVO_MEDIO	31.678*	Max WS	16.61	125.00	126.56	126.61	127.26	0.014713	3.89	5.31	4.74	1.02
RIVO	RIVO_MEDIO	31.671*	Max WS	16.60	124.99	126.54	126.59	127.24	0.014630	3.88	5.32	4.75	1.02
RIVO	RIVO_MEDIO	31.664*	Max WS	16.60	124.97	126.53	126.58	127.22	0.014539	3.88	5.34	4.76	1.02
RIVO	RIVO_MEDIO	31.657*	Max WS	16.60	124.95	126.52	126.56	127.21	0.014453	3.87	5.35	4.77	1.02
RIVO	RIVO_MEDIO	31.650*	Max WS	16.60	124.93	126.50	126.54	127.19	0.014356	3.86	5.37	4.78	1.01
RIVO	RIVO_MEDIO	31.643*	Max WS	16.60	124.91	126.49	126.53	127.17	0.014240	3.86	5.39	4.79	1.01
RIVO	RIVO_MEDIO	31.636*	Max WS	16.60	124.90	126.47	126.51	127.16	0.014161	3.85	5.40	4.80	1.01
RIVO	RIVO_MEDIO	31.629*	Max WS	16.60	124.88	126.46	126.49	127.14	0.014061	3.84	5.42	4.81	1.00
RIVO	RIVO_MEDIO	31.622*	Max WS	16.60	124.86	126.44	126.48	127.12	0.013941	3.83	5.44	4.82	1.00
RIVO	RIVO_MEDIO	31.615*	Max WS	16.58	124.84	126.43	126.46	127.10	0.013815	3.82	5.46	4.83	1.00
RIVO	RIVO_MEDIO	31.608*	Max WS	16.58	124.83	126.42	126.44	127.08	0.013690	3.81	5.48	4.84	0.99
RIVO	RIVO_MEDIO	31.601*	Max WS	16.58	124.81	126.40	126.42	127.07	0.013593	3.81	5.49	4.85	0.99
RIVO	RIVO_MEDIO	31.594*	Max WS	16.57	124.79	126.39	126.41	127.05	0.013467	3.80	5.52	4.87	0.99
RIVO	RIVO_MEDIO	31.587*	Max WS	16.57	124.77	126.38	126.39	127.03	0.013350	3.79	5.54	4.88	0.98
RIVO	RIVO_MEDIO	31.580*	Max WS	16.52	124.75	126.36	126.37	127.01	0.013134	3.76	5.56	4.89	0.97
RIVO	RIVO_MEDIO	31.573*	Max WS	16.50	124.74	126.35	126.35	126.99	0.012993	3.75	5.58	4.90	0.97
RIVO	RIVO_MEDIO	31.566*	Max WS	16.50	124.72	126.34	126.34	126.98	0.012856	3.74	5.61	4.91	0.96
RIVO	RIVO_MEDIO	31.559*	Max WS	16.50	124.70	126.33	126.32	126.96	0.012722	3.73	5.63	4.93	0.96
RIVO	RIVO_MEDIO	31.552*	Max WS	16.50	124.68	126.31	126.30	126.94	0.012597	3.72	5.66	4.94	0.96
RIVO	RIVO_MEDIO	31.545*	Max WS	16.50	124.67	126.30	126.29	126.93	0.012466	3.71	5.68	4.96	0.95
RIVO	RIVO_MEDIO	31.538*	Max WS	16.50	124.65	126.29	126.27	126.91	0.012338	3.70	5.71	4.97	0.95
RIVO	RIVO_MEDIO	31.531*	Max WS	16.50	124.63	126.28	126.25	126.89	0.012194	3.69	5.74	4.98	0.94
RIVO	RIVO_MEDIO	31.524*	Max WS	16.49	124.61	126.26	126.23	126.87	0.012059	3.67	5.77	5.00	0.94
RIVO	RIVO_MEDIO	31.517*	Max WS	16.49	124.59	126.25	126.22	126.86	0.011916	3.66	5.80	5.01	0.93
RIVO	RIVO_MEDIO	31.511	Lat Struct										
RIVO	RIVO_MEDIO	31.510*	Max WS	16.49	124.58	126.24	126.20	126.84	0.011770	3.65	5.83	5.03	0.93
RIVO	RIVO_MEDIO	31.505	Lat Struct										
RIVO	RIVO_MEDIO	31.504*	Max WS	16.49	124.56	126.23	126.18	126.82	0.011628	3.64	5.86	5.04	0.92
RIVO	RIVO_MEDIO	31.497*	Max WS	16.49	124.54	126.22	126.17	126.81	0.011485	3.62	5.89	5.06	0.92
RIVO	RIVO_MEDIO	31.490*	Max WS	16.46	124.52	126.21	126.15	126.79	0.011291	3.60	5.92	5.07	0.91
RIVO	RIVO_MEDIO	31.483*	Max WS	16.46	124.51	126.19	126.13	126.77	0.011149	3.59	5.95	5.09	0.90
RIVO	RIVO_MEDIO	31.476*	Max WS	16.43	124.49	126.18	126.11	126.75	0.010947	3.57	5.99	5.10	0.90
RIVO	RIVO_MEDIO	31.469*	Max WS	16.43	124.47	126.17	126.10	126.74	0.010806	3.55	6.02	5.12	0.89
RIVO	RIVO_MEDIO	31.462*	Max WS	16.43	124.45	126.16	126.08	126.72	0.010653	3.54	6.06	5.14	0.89
RIVO	RIVO_MEDIO	31.455*	Max WS	16.47	124.43	126.15	126.07	126.71	0.010549	3.53	6.10	5.16	0.88
RIVO	RIVO_MEDIO	31.448*	Max WS	16.54	124.42	126.14	126.05	126.70	0.010492	3.53	6.13	5.17	0.88
RIVO	RIVO_MEDIO	31.441*	Max WS	16.61	124.40	126.13	126.04	126.69	0.010428	3.53	6.17	5.19	0.88
RIVO	RIVO_MEDIO	31.434*	Max WS	16.68	124.38	126.12	126.03	126.68	0.010367	3.53	6.21	5.21	0.88
RIVO	RIVO_MEDIO	31.427*	Max WS	16.75	124.36	126.11	126.01	126.66	0.010305	3.53	6.25	5.23	0.87
RIVO	RIVO_MEDIO	31.420*	Max WS	16.82	124.35	126.10	126.00	126.65	0.010250	3.53	6.28	5.24	0.87
RIVO	RIVO_MEDIO	31.413*	Max WS	16.89	124.33	126.09	125.99	126.64	0.010185	3.53	6.32	5.26	0.87
RIVO	RIVO_MEDIO	31.406*	Max WS	16.96	124.31	126.08	125.97	126.63	0.010118	3.53	6.36	5.28	0.87
RIVO	RIVO_MEDIO	31.399*	Max WS	17.04	124.29	126.07	125.96	126.62	0.010050	3.53	6.41	5.30	0.87
RIVO	RIVO_MEDIO	31.392*	Max WS	17.11	124.27	126.06	125.95	126.61	0.010004	3.53	6.44	5.32	0.87
RIVO	RIVO_MEDIO	31.385*	Max WS	17.18	124.26	126.05	125.93	126.60	0.009938	3.53	6.48	5.34	0.86
RIVO	RIVO_MEDIO	31.378*	Max WS	17.25	124.24	126.04	125.92	126.59	0.009882	3.53	6.52	5.36	0.86
RIVO	RIVO_MEDIO	31.371*	Max WS	17.33	124.22	126.03	125.91	126.58	0.009828	3.53	6.57	5.38	0.86
RIVO	RIVO_MEDIO	31.364*	Max WS	17.43	124.20	126.02	125.90	126.57	0.009804	3.54	6.60	5.39	0.86
RIVO	RIVO_MEDIO	31.357*	Max WS	17.53	124.19	126.01	125.89	126.56	0.009801	3.55	6.64	5.41	0.86
RIVO	RIVO_MEDIO	31.350*	Max WS	17.65	124.17	125.99	125.88	126.55	0.009801	3.56	6.68	5.43	0.86
RIVO	RIVO_MEDIO	31.343*	Max WS	17.78	124.15	125.98	125.87	126.54	0.009832	3.57	6.71	5.45	0.86
RIVO	RIVO_MEDIO	31.336*	Max WS	17.92	124.13	125.97	125.86	126.53	0.009883	3.59	6.75	5.46	0.86
RIVO	RIVO_MEDIO	31.329*	Max WS	18.06	124.11	125.96	125.85	126.53	0.009913	3.60	6.78	5.48	0.87
RIVO	RIVO_MEDIO	31.322*	Max WS	18.19	124.10	125.95	125.84	126.52	0.009939	3.62	6.82	5.50	0.87
RIVO	RIVO_MEDIO	31.315*	Max WS	18.29	124.08	125.94	125.83	126.51	0.009913	3.62	6.86	5.52	0.87
RIVO	RIVO_MEDIO	31.308*	Max WS	18.39	124.06	125.93	125.82	126.50	0.009890	3.63	6.90	5.53	0.87
RIVO	RIVO_MEDIO	31.303	Lat Struct										
RIVO	RIVO_MEDIO	31.302	Lat Struct										
RIVO	RIVO_MEDIO	31.301*	Max WS	18.50	124.04	125.92	125.81	126.49	0.009885	3.64	6.94	5.55	0.87
RIVO	RIVO_MEDIO	31.294*	Max WS	18.60	124.03	125.91	125.80	126.48	0.009850	3.64	6.98	5.57	0.87
RIVO	RIVO_MEDIO	31.287*	Max WS	18.70	124.01	125.90	125.79	126.47	0.009837	3.65	7.02	5.59	0.87
RIVO	RIVO_MEDIO	31.280*	Max WS	18.80	123.99	125.89	125.77	126.46	0.009817	3.65	7.06	5.61	0.87
RIVO	RIVO_MEDIO	31.273*	Max WS	18.90	123.97	125.87	125.76	126.45	0.009798	3.66	7.10	5.63	0.87
RIVO	RIVO_MEDIO	31.266*	Max WS	19.02	123.96	125.86	125.75	126.44	0.009805	3.67	7.13	5.65	0.87
RIVO	RIVO_MEDIO	31.259*	Max WS	19.20	123.94	125.85	125.75	126.44	0.009889	3.69	7.17	5.66	0.87
RIVO	RIVO_MEDIO	31.252*	Max WS	19.39	123.92	125.84	125.74	126.43	0.009886	3.72	7.20	5.68	0.88
RIVO	RIVO_MEDIO	31.245*	Max WS	19.59	123.90	125.83	125.73	126.43	0.010093	3.75	7.23	5.69	0.88
RIVO	RIVO_MEDIO	31.238*	Max WS	19.78	123.88	125.82	125.73	126.42	0.010182	3.77	7.27	5.71	0.88
RIVO	RIVO_MEDIO	31.231*	Max WS	19.99	123.87	125.80	125.72	126.42	0.010294	3.80	7.30	5.73	0.89
RIVO	RIVO_MEDIO	31.224*	Max WS	20.22	123.85	125.79	125.72	126.42	0.010436	3.83	7.34	5.74	0.90
RIVO	RIVO_MEDIO	31.217*	Max WS	20.47	123.83	125.78	125.71	126.42	0.010599	3.87	7.37	5.76	0.90
RIVO	RIVO_MEDIO	31.210*	Max WS	20.75	123.81	125.77	125.71	126.42	0.010759	3.91	7.41	5.78	0.91
RIVO	RIVO_MEDIO	31.203*	Max WS	21.02	123.80	125.76	125.71	126.42	0.010902	3.95	7.45	5.80	0.92
RIVO	RIVO_MEDIO	31.196*	Max WS	21.28	123.78	125.75	125.71	126.42	0.011048	3.98	7.49	5.82	0.92
RIVO	RIVO_MEDIO	31.189*	Max WS	21.55	123.76	125.74	125.70	126.42	0.011196	4.02	7.53	5.84	0.93
RIVO	RIVO_MEDIO	31.182*	Max WS	21.88	123.74	125.72	125.71	126.42	0.011427	4.07	7.56	5.85	0.94
RIVO	RIVO_MEDIO	31.175*	Max WS	22.30	123.72	125.71	125.71	126.43	0.011733	4.13	7.60	5.87	0.95
RIVO	RIVO_MEDIO	31.168*	Max WS	22.71	123.71	125.70	125.71	126.44	0.012037	4.19	7.64	5.89	0.97
RIVO	RIVO_MEDIO	31.161*	Max WS	23.11	123.69	125.69	125.72	126.45	0.012372	4.26	7.67	5.91	0.98
RIVO	RIVO_MEDIO	31.154*	Max WS	23.53	123.67	125.68	125.72	126.46	0.012704	4.32	7.70	5.92	0.99
RIVO	RIVO_MEDIO	31.147*	Max WS	23.94	123.65	125.66	125.72	126.47	0.013057	4.39	7.73	5.94	1.01
RIVO	RIVO_MEDIO	31.140*	Max WS	24.35	123.64	125.65	125.73	126.48	0.013396	4.46	7.76	5.95	1.02
RIVO	RIVO_MEDIO	31.133*	Max WS	24.76	123.62	125.64	125.72	126.49	0.013768	4.52	7.79	5.97	1.04
RIVO	RIVO_MEDIO	31.126*	Max WS	24.76	123.60	125.62	125.71	126.48	0.013697	4.52	7.81	5.98	1.03
RIVO	RIVO_MEDIO	31.119*	Max WS	24.76	123.58	125.61	125.69	126.					

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.007*	Max WS	24.76	123.30	125.41	125.43	126.18	0.012016	4.35	8.33	6.25	0.97
RIVO	RIVO_MEDIO	31	Max WS	24.77	123.28	125.39	125.42	126.16	0.011901	4.34	8.37	6.26	0.97
RIVO	RIVO_VALLE	30.99	Max WS	25.26	123.28	125.39	125.44	126.19	0.012385	4.43	8.37	6.26	0.99
RIVO	RIVO_VALLE	30.983*	Max WS	25.26	123.27	125.38	125.42	126.18	0.012390	4.42	8.37	6.27	0.99
RIVO	RIVO_VALLE	30.977*	Max WS	25.26	123.26	125.37	125.41	126.16	0.012388	4.42	8.38	6.28	0.99
RIVO	RIVO_VALLE	30.970*	Max WS	25.26	123.25	125.36	125.40	126.15	0.012392	4.42	8.38	6.29	0.99
RIVO	RIVO_VALLE	30.963*	Max WS	25.26	123.24	125.34	125.39	126.14	0.012389	4.41	8.38	6.30	0.99
RIVO	RIVO_VALLE	30.959		Lat Struct									
RIVO	RIVO_VALLE	30.958		Lat Struct									
RIVO	RIVO_VALLE	30.956*	Max WS	25.26	123.23	125.33	125.37	126.12	0.012397	4.41	8.39	6.31	0.99
RIVO	RIVO_VALLE	30.950*	Max WS	25.26	123.22	125.32	125.36	126.11	0.012401	4.41	8.39	6.32	0.99
RIVO	RIVO_VALLE	30.943*	Max WS	25.26	123.21	125.31	125.35	126.10	0.012407	4.40	8.39	6.32	0.99
RIVO	RIVO_VALLE	30.936*	Max WS	25.26	123.20	125.30	125.34	126.08	0.012399	4.40	8.39	6.33	0.99
RIVO	RIVO_VALLE	30.929*	Max WS	25.26	123.19	125.28	125.32	126.07	0.012406	4.40	8.40	6.34	0.99
RIVO	RIVO_VALLE	30.923*	Max WS	25.26	123.18	125.27	125.31	126.06	0.012407	4.39	8.40	6.35	0.99
RIVO	RIVO_VALLE	30.916*	Max WS	25.26	123.17	125.26	125.30	126.04	0.012420	4.39	8.40	6.35	0.99
RIVO	RIVO_VALLE	30.909*	Max WS	25.26	123.16	125.25	125.29	126.03	0.012410	4.39	8.41	6.36	0.99
RIVO	RIVO_VALLE	30.902*	Max WS	25.26	123.15	125.23	125.27	126.02	0.012416	4.38	8.41	6.37	0.99
RIVO	RIVO_VALLE	30.896*	Max WS	25.26	123.14	125.22	125.26	126.00	0.012415	4.38	8.41	6.38	0.99
RIVO	RIVO_VALLE	30.889*	Max WS	25.26	123.13	125.21	125.25	125.99	0.012419	4.38	8.41	6.38	0.99
RIVO	RIVO_VALLE	30.882*	Max WS	25.26	123.12	125.20	125.24	125.97	0.012426	4.37	8.42	6.39	0.99
RIVO	RIVO_VALLE	30.876*	Max WS	25.26	123.11	125.18	125.22	125.96	0.012436	4.37	8.42	6.40	0.99
RIVO	RIVO_VALLE	30.869*	Max WS	25.26	123.10	125.17	125.21	125.95	0.012449	4.37	8.42	6.40	0.99
RIVO	RIVO_VALLE	30.862*	Max WS	25.26	123.09	125.16	125.20	125.93	0.012440	4.36	8.42	6.41	0.99
RIVO	RIVO_VALLE	30.855*	Max WS	25.26	123.08	125.15	125.19	125.92	0.012445	4.36	8.43	6.42	0.99
RIVO	RIVO_VALLE	30.849*	Max WS	25.26	123.07	125.13	125.17	125.91	0.012454	4.36	8.43	6.43	0.99
RIVO	RIVO_VALLE	30.842*	Max WS	25.26	123.06	125.12	125.16	125.89	0.012459	4.36	8.43	6.43	0.99
RIVO	RIVO_VALLE	30.835*	Max WS	25.26	123.05	125.11	125.15	125.88	0.012453	4.35	8.43	6.44	0.99
RIVO	RIVO_VALLE	30.828*	Max WS	25.26	123.04	125.10	125.14	125.87	0.012470	4.35	8.43	6.45	0.99
RIVO	RIVO_VALLE	30.822*	Max WS	25.26	123.03	125.08	125.12	125.85	0.012473	4.35	8.44	6.46	0.99
RIVO	RIVO_VALLE	30.815*	Max WS	25.26	123.02	125.07	125.11	125.84	0.012471	4.34	8.44	6.46	0.99
RIVO	RIVO_VALLE	30.808*	Max WS	25.26	123.01	125.06	125.10	125.83	0.012478	4.34	8.44	6.47	0.99
RIVO	RIVO_VALLE	30.801*	Max WS	25.26	123.00	125.05	125.08	125.81	0.012485	4.34	8.45	6.48	0.99
RIVO	RIVO_VALLE	30.795*	Max WS	25.26	122.99	125.04	125.07	125.80	0.012496	4.33	8.45	6.48	0.99
RIVO	RIVO_VALLE	30.788*	Max WS	25.26	122.98	125.02	125.06	125.79	0.012509	4.33	8.45	6.49	0.99
RIVO	RIVO_VALLE	30.781*	Max WS	25.26	122.97	125.01	125.05	125.77	0.012519	4.33	8.45	6.50	0.99
RIVO	RIVO_VALLE	30.774*	Max WS	25.26	122.96	125.00	125.03	125.76	0.012520	4.33	8.45	6.50	0.99
RIVO	RIVO_VALLE	30.768*	Max WS	25.26	122.95	124.99	125.02	125.75	0.012523	4.32	8.46	6.51	0.99
RIVO	RIVO_VALLE	30.761		Lat Struct									
RIVO	RIVO_VALLE	30.7609*	Max WS	25.26	122.94	124.97	125.01	125.73	0.012528	4.32	8.46	6.52	0.99
RIVO	RIVO_VALLE	30.760		Lat Struct									
RIVO	RIVO_VALLE	30.754*	Max WS	25.26	122.93	124.96	125.00	125.72	0.012537	4.32	8.46	6.53	0.99
RIVO	RIVO_VALLE	30.748*	Max WS	25.26	122.92	124.95	124.98	125.71	0.012543	4.31	8.46	6.53	0.99
RIVO	RIVO_VALLE	30.741*	Max WS	25.26	122.91	124.94	124.97	125.69	0.012553	4.31	8.46	6.54	0.99
RIVO	RIVO_VALLE	30.734*	Max WS	25.26	122.90	124.92	124.96	125.68	0.012560	4.31	8.46	6.55	0.99
RIVO	RIVO_VALLE	30.727*	Max WS	25.26	122.89	124.91	124.95	125.67	0.012567	4.30	8.47	6.55	0.99
RIVO	RIVO_VALLE	30.721*	Max WS	25.26	122.88	124.90	124.93	125.65	0.012581	4.30	8.47	6.56	0.99
RIVO	RIVO_VALLE	30.714*	Max WS	25.25	122.87	124.89	124.92	125.64	0.012580	4.30	8.47	6.57	0.99
RIVO	RIVO_VALLE	30.707*	Max WS	25.25	122.86	124.87	124.91	125.62	0.012594	4.30	8.47	6.58	0.99
RIVO	RIVO_VALLE	30.700*	Max WS	25.25	122.85	124.86	124.89	125.61	0.012606	4.29	8.47	6.58	0.99
RIVO	RIVO_VALLE	30.694*	Max WS	25.25	122.84	124.85	124.88	125.60	0.012621	4.29	8.47	6.59	0.99
RIVO	RIVO_VALLE	30.687*	Max WS	25.25	122.83	124.84	124.87	125.58	0.012625	4.29	8.47	6.60	0.99
RIVO	RIVO_VALLE	30.680*	Max WS	25.25	122.82	124.82	124.86	125.57	0.012631	4.29	8.48	6.60	0.99
RIVO	RIVO_VALLE	30.673*	Max WS	25.24	122.81	124.81	124.84	125.56	0.012649	4.28	8.48	6.61	0.99
RIVO	RIVO_VALLE	30.667*	Max WS	25.24	122.80	124.80	124.83	125.54	0.012648	4.28	8.48	6.62	0.99
RIVO	RIVO_VALLE	30.660*	Max WS	25.24	122.79	124.78	124.82	125.53	0.012651	4.28	8.48	6.62	0.99
RIVO	RIVO_VALLE	30.653*	Max WS	25.24	122.78	124.77	124.80	125.52	0.012663	4.27	8.48	6.63	0.99
RIVO	RIVO_VALLE	30.647*	Max WS	25.23	122.77	124.76	124.79	125.50	0.012683	4.27	8.48	6.64	0.99
RIVO	RIVO_VALLE	30.640*	Max WS	25.23	122.76	124.75	124.78	125.49	0.012695	4.27	8.48	6.65	0.99
RIVO	RIVO_VALLE	30.633*	Max WS	25.23	122.75	124.73	124.77	125.48	0.012698	4.27	8.48	6.65	0.99
RIVO	RIVO_VALLE	30.626*	Max WS	25.22	122.74	124.72	124.75	125.46	0.012713	4.26	8.48	6.66	0.99
RIVO	RIVO_VALLE	30.620*	Max WS	25.22	122.73	124.71	124.74	125.45	0.012718	4.26	8.48	6.67	0.99
RIVO	RIVO_VALLE	30.613*	Max WS	25.22	122.72	124.70	124.73	125.43	0.012732	4.26	8.48	6.67	0.99
RIVO	RIVO_VALLE	30.606*	Max WS	25.21	122.71	124.68	124.72	125.42	0.012740	4.26	8.49	6.68	0.99
RIVO	RIVO_VALLE	30.599*	Max WS	25.21	122.70	124.67	124.70	125.41	0.012752	4.25	8.49	6.69	0.99
RIVO	RIVO_VALLE	30.593*	Max WS	25.20	122.69	124.66	124.69	125.39	0.012764	4.25	8.49	6.69	0.99
RIVO	RIVO_VALLE	30.586*	Max WS	25.20	122.68	124.65	124.68	125.38	0.012773	4.25	8.49	6.70	0.99
RIVO	RIVO_VALLE	30.579*	Max WS	25.19	122.67	124.63	124.66	125.37	0.012783	4.24	8.49	6.71	0.99
RIVO	RIVO_VALLE	30.572*	Max WS	25.19	122.66	124.62	124.65	125.35	0.012796	4.24	8.49	6.71	0.99
RIVO	RIVO_VALLE	30.566*	Max WS	25.18	122.65	124.61	124.64	125.34	0.012809	4.24	8.49	6.72	0.99
RIVO	RIVO_VALLE	30.563		Lat Struct									
RIVO	RIVO_VALLE	30.562		Lat Struct									
RIVO	RIVO_VALLE	30.559*	Max WS	25.17	122.64	124.59	124.63	125.33	0.012828	4.24	8.48	6.73	0.99
RIVO	RIVO_VALLE	30.552*	Max WS	25.17	122.63	124.58	124.61	125.31	0.012835	4.23	8.48	6.73	0.99
RIVO	RIVO_VALLE	30.546*	Max WS	25.16	122.62	124.57	124.60	125.30	0.012848	4.23	8.48	6.74	0.99
RIVO	RIVO_VALLE	30.539*	Max WS	25.15	122.60	124.56	124.59	125.28	0.012848	4.23	8.49	6.75	0.99
RIVO	RIVO_VALLE	30.532*	Max WS	25.14	122.60	124.54	124.57	125.27	0.012853	4.22	8.49	6.76	0.99
RIVO	RIVO_VALLE	30.525*	Max WS	25.14	122.59	124.53	124.56	125.26	0.012876	4.22	8.48	6.76	0.99
RIVO	RIVO_VALLE	30.519*	Max WS	25.13	122.58	124.52	124.55	125.24	0.012880	4.22	8.48	6.77	0.99
RIVO	RIVO_VALLE	30.512*	Max WS	25.12	122.57	124.50	124.53	125.23	0.012898	4.22	8.48	6.78	0.99
RIVO	RIVO_VALLE	30.505*	Max WS	25.11	122.55	124.49	124.52	125.22	0.012906	4.21	8.48	6.78	0.99
RIVO	RIVO_VALLE	30.498*	Max WS	25.10	122.55	124.48	124.51	125.20	0.012926	4.21	8.48	6.79	0.99
RIVO	RIVO_VALLE	30.492*	Max WS	25.09	122.54	124.47	124.50	125.19	0.012931	4.21	8.48	6.80	0.99
RIVO	RIVO_VALLE	30.485*	Max WS	25.08	122.53	124.45	124.48	125.17	0.012946	4.21	8.48	6.80	0.99
RIVO	RIVO_VALLE	30.478*	Max WS	25.07	122.52	124.44	124.47	125.16	0.012960	4.20	8.48	6.81	0.99
RIVO	RIVO_VALLE	30.471*	Max WS	25.06	122.50	124.43	124.46	125.15	0.012975	4.20	8.48	6.82	0.99
RIVO	RIVO_VALLE	30.465*	Max WS	25.05	122.50	124.41	124.44	125.13	0.012992	4.20	8.47	6.82	0.99
RIVO	RIVO_VALLE	30.458*	Max WS	25.04	122.49	124.40	124.43	125.12	0.012999	4.19	8.47	6.83	0.99
RIVO	RIVO_VALLE	30.451*	Max WS	25.03	122.48	124.39	124.42	125.10	0.013013	4.19	8.47	6.84	0.99
RIVO	RIVO_VALLE	30.444*	Max WS	25.02	122.46	124.38	124.40						

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO_VALLE	30.350*	Max WS	24.92	122.32	124.19	124.22	124.90	0.013316	4.16	8.44	6.93	1.00
RIVO	RIVO_VALLE	30.343*	Max WS	24.93	122.31	124.18	124.21	124.89	0.013368	4.16	8.43	6.94	1.00
RIVO	RIVO_VALLE	30.337*	Max WS	24.95	122.30	124.17	124.20	124.87	0.013438	4.17	8.43	6.95	1.01
RIVO	RIVO_VALLE	30.330*	Max WS	24.97	122.29	124.15	124.19	124.86	0.013509	4.17	8.42	6.95	1.01
RIVO	RIVO_VALLE	30.323*	Max WS	24.99	122.28	124.14	124.18	124.85	0.013568	4.18	8.42	6.96	1.01
RIVO	RIVO_VALLE	30.317*	Max WS	25.01	122.27	124.13	124.17	124.84	0.013629	4.18	8.41	6.96	1.01
RIVO	RIVO_VALLE	30.310*	Max WS	25.04	122.26	124.11	124.15	124.83	0.013695	4.19	8.41	6.97	1.01
RIVO	RIVO_VALLE	30.303*	Max WS	25.05	122.25	124.10	124.14	124.81	0.013762	4.19	8.40	6.98	1.02
RIVO	RIVO_VALLE	30.296*	Max WS	25.07	122.24	124.08	124.13	124.80	0.013841	4.19	8.39	6.98	1.02
RIVO	RIVO_VALLE	30.290*	Max WS	25.08	122.23	124.07	124.12	124.79	0.013908	4.20	8.38	6.99	1.02
RIVO	RIVO_VALLE	30.283*	Max WS	25.08	122.22	124.06	124.11	124.78	0.013975	4.20	8.37	6.99	1.02
RIVO	RIVO_VALLE	30.276*	Max WS	25.07	122.21	124.04	124.09	124.76	0.014020	4.20	8.36	7.00	1.02
RIVO	RIVO_VALLE	30.269*	Max WS	25.05	122.20	124.03	124.08	124.75	0.014068	4.20	8.36	7.00	1.02
RIVO	RIVO_VALLE	30.263*	Max WS	25.04	122.19	124.01	124.07	124.73	0.014120	4.20	8.35	7.01	1.03
RIVO	RIVO_VALLE	30.256*	Max WS	25.03	122.18	124.00	124.05	124.72	0.014161	4.20	8.34	7.01	1.03
RIVO	RIVO_VALLE	30.249*	Max WS	25.01	122.17	123.99	124.04	124.71	0.014208	4.20	8.33	7.02	1.03
RIVO	RIVO_VALLE	30.242*	Max WS	25.00	122.16	123.97	124.03	124.69	0.014271	4.20	8.32	7.02	1.03
RIVO	RIVO_VALLE	30.236*	Max WS	24.98	122.15	123.96	124.01	124.68	0.014321	4.20	8.31	7.03	1.03
RIVO	RIVO_VALLE	30.229*	Max WS	24.97	122.14	123.94	124.00	124.67	0.014377	4.20	8.30	7.03	1.03
RIVO	RIVO_VALLE	30.222*	Max WS	24.96	122.13	123.93	123.99	124.65	0.014441	4.21	8.28	7.04	1.03
RIVO	RIVO_VALLE	30.216*	Max WS	24.95	122.12	123.92	123.97	124.64	0.014518	4.21	8.27	7.04	1.04
RIVO	RIVO_VALLE	30.209*	Max WS	24.95	122.11	123.90	123.96	124.62	0.014589	4.21	8.26	7.05	1.04
RIVO	RIVO_VALLE	30.202*	Max WS	24.94	122.10	123.89	123.95	124.61	0.014672	4.22	8.24	7.05	1.04
RIVO	RIVO_VALLE	30.195*	Max WS	24.94	122.09	123.87	123.94	124.60	0.014752	4.22	8.23	7.05	1.04
RIVO	RIVO_VALLE	30.189*	Max WS	24.93	122.08	123.86	123.93	124.59	0.014841	4.22	8.21	7.06	1.05
RIVO	RIVO_VALLE	30.182*	Max WS	24.92	122.07	123.84	123.92	124.57	0.014937	4.23	8.20	7.06	1.05
RIVO	RIVO_VALLE	30.175*	Max WS	24.90	122.06	123.83	123.90	124.56	0.015019	4.23	8.18	7.06	1.05
RIVO	RIVO_VALLE	30.168*	Max WS	24.89	122.05	123.81	123.89	124.54	0.015103	4.23	8.17	7.07	1.05
RIVO	RIVO_VALLE	30.167	Lat Struct										
RIVO	RIVO_VALLE	30.166	Lat Struct										
RIVO	RIVO_VALLE	30.162*	Max WS	24.87	122.04	123.80	123.88	124.53	0.015194	4.24	8.15	7.07	1.06
RIVO	RIVO_VALLE	30.155*	Max WS	24.85	122.03	123.78	123.86	124.52	0.015298	4.24	8.13	7.08	1.06
RIVO	RIVO_VALLE	30.148*	Max WS	24.84	122.02	123.77	123.85	124.50	0.015389	4.25	8.11	7.08	1.06
RIVO	RIVO_VALLE	30.141*	Max WS	24.82	122.01	123.75	123.84	124.49	0.015476	4.25	8.09	7.08	1.06
RIVO	RIVO_VALLE	30.135*	Max WS	24.80	122.00	123.74	123.82	124.48	0.015583	4.25	8.07	7.08	1.07
RIVO	RIVO_VALLE	30.128*	Max WS	24.78	121.99	123.72	123.81	124.46	0.015707	4.26	8.05	7.09	1.07
RIVO	RIVO_VALLE	30.121*	Max WS	24.77	121.98	123.70	123.80	124.45	0.015813	4.26	8.03	7.09	1.07
RIVO	RIVO_VALLE	30.114*	Max WS	24.75	121.97	123.69	123.79	124.43	0.015936	4.27	8.01	7.09	1.08
RIVO	RIVO_VALLE	30.108*	Max WS	24.74	121.96	123.67	123.77	124.42	0.016090	4.28	7.98	7.09	1.08
RIVO	RIVO_VALLE	30.101*	Max WS	24.72	121.95	123.66	123.76	124.41	0.016223	4.29	7.96	7.10	1.09
RIVO	RIVO_VALLE	30.094*	Max WS	24.71	121.94	123.64	123.75	124.40	0.016388	4.30	7.93	7.10	1.09
RIVO	RIVO_VALLE	30.088*	Max WS	24.69	121.93	123.62	123.73	124.38	0.016549	4.30	7.90	7.10	1.09
RIVO	RIVO_VALLE	30.081*	Max WS	24.68	121.92	123.61	123.72	124.37	0.016706	4.31	7.88	7.10	1.10
RIVO	RIVO_VALLE	30.074*	Max WS	24.67	121.91	123.59	123.71	124.36	0.016876	4.32	7.85	7.10	1.10
RIVO	RIVO_VALLE	30.067*	Max WS	24.66	121.90	123.57	123.70	124.34	0.017086	4.34	7.82	7.10	1.11
RIVO	RIVO_VALLE	30.061*	Max WS	24.65	121.89	123.56	123.68	124.33	0.017283	4.35	7.79	7.10	1.12
RIVO	RIVO_VALLE	30.054*	Max WS	24.64	121.88	123.54	123.67	124.32	0.017507	4.36	7.75	7.10	1.12
RIVO	RIVO_VALLE	30.047*	Max WS	24.63	121.87	123.52	123.66	124.31	0.017735	4.38	7.72	7.10	1.13
RIVO	RIVO_VALLE	30.040*	Max WS	24.63	121.86	123.50	123.65	124.30	0.017995	4.39	7.68	7.10	1.14
RIVO	RIVO_VALLE	30.034*	Max WS	24.62	121.85	123.49	123.63	124.28	0.018269	4.41	7.64	7.09	1.14
RIVO	RIVO_VALLE	30.027*	Max WS	24.61	121.84	123.47	123.62	124.27	0.018541	4.43	7.60	7.09	1.15
RIVO	RIVO_VALLE	30.020*	Max WS	24.60	121.83	123.45	123.61	124.26	0.018849	4.45	7.56	7.09	1.16
RIVO	RIVO_VALLE	30.013*	Max WS	24.60	121.82	123.43	123.60	124.25	0.019203	4.47	7.51	7.09	1.17
RIVO	RIVO_VALLE	30.007*	Max WS	24.59	121.81	123.41	123.58	124.24	0.019607	4.49	7.46	7.08	1.18
RIVO	RIVO_VALLE	30	Max WS	24.58	121.80	123.39	123.54	124.23	0.023533	5.15	7.81	7.49	1.32
RIVO	RIVO_VALLE	29.669	Lat Struct										
RIVO	RIVO_VALLE	29.668	Lat Struct										
RIVO	RIVO_VALLE	29.667*	Max WS	24.41	121.78	123.28	123.39	124.14	0.021379	4.62	7.31	6.98	1.23
RIVO	RIVO_VALLE	29.333*	Max WS	24.24	121.73	123.17	123.45	124.12	0.024540	4.89	6.96	7.05	1.32
RIVO	RIVO_VALLE	29	Max WS	24.31	121.66	122.70	123.48	127.63	0.167450	10.28	2.60	5.30	3.27
RIVO	RIVO_VALLE	28.919	Lat Struct										
RIVO	RIVO_VALLE	28.918	Lat Struct										
RIVO	RIVO_VALLE	28.917*	Max WS	24.31	121.49	122.54	123.34	127.68	0.169373	10.35	2.56	5.33	3.29
RIVO	RIVO_VALLE	28.833*	Max WS	24.31	121.32	122.37	123.20	127.54	0.165252	10.25	2.55	5.23	3.25
RIVO	RIVO_VALLE	28.750*	Max WS	24.31	121.16	122.22	123.06	127.17	0.153234	9.94	2.59	4.97	3.13
RIVO	RIVO_VALLE	28.667*	Max WS	24.31	120.99	122.08	122.91	126.57	0.132908	9.42	2.69	4.73	2.93
RIVO	RIVO_VALLE	28.583*	Max WS	24.31	120.82	121.97	122.76	125.82	0.106918	8.71	2.87	4.58	2.65
RIVO	RIVO_VALLE	28.500*	Max WS	24.31	120.65	121.88	122.75	125.04	0.080276	7.88	3.15	4.54	2.32
RIVO	RIVO_VALLE	28.417*	Max WS	24.30	120.48	121.81	122.55	124.32	0.057356	7.03	3.50	4.50	1.99
RIVO	RIVO_VALLE	28.333*	Max WS	24.30	120.31	121.76	122.35	123.77	0.040676	6.28	3.87	4.46	1.70
RIVO	RIVO_VALLE	28.250*	Max WS	24.30	120.14	121.73	122.18	123.39	0.029719	5.70	4.26	4.40	1.47
RIVO	RIVO_VALLE	28.167*	Max WS	24.30	119.98	121.70	122.01	123.09	0.022010	5.21	4.68	4.31	1.29
RIVO	RIVO_VALLE	28.083*	Max WS	24.30	119.81	121.68	121.85	122.86	0.016804	4.82	5.11	4.18	1.14
RIVO	RIVO_VALLE	28	Max WS	24.30	119.64	121.67	121.69	122.68	0.013027	4.48	5.55	3.99	1.02
RIVO	RIVO_VALLE	27.752	Lat Struct										
RIVO	RIVO_VALLE	27.751	Lat Struct										
RIVO	RIVO_VALLE	27.750*	Max WS	24.30	119.62	121.62	121.54	122.45	0.011136	4.13	6.85	4.53	0.94
RIVO	RIVO_VALLE	27.500*	Max WS	24.30	119.58	121.57	121.61	122.48	0.012321	4.36	6.81	4.77	0.99
RIVO	RIVO_VALLE	27.250*	Max WS	24.30	119.51	121.52	121.59	122.51	0.013765	4.60	6.70	4.39	1.05
RIVO	RIVO_VALLE	27	Max WS	24.27	119.44	121.45	121.57	122.55	0.015746	4.90	6.49	4.01	1.12
RIVO	RIVO_VALLE	26.933*	Max WS	24.27	119.34	121.38	121.54	122.42	0.014803	4.81	6.92	4.98	1.09
RIVO	RIVO_VALLE	26.867*	Max WS	24.44	119.24	121.31	121.50	122.31	0.014094	4.76	7.36	5.95	1.07
RIVO	RIVO_VALLE	26.802	Lat Struct										
RIVO	RIVO_VALLE	26.801	Lat Struct										
RIVO	RIVO_VALLE	26.800*	Max WS	24.50	119.13	121.25	121.44	122.20	0.013223	4.68	7.82	6.92	1.04
RIVO	RIVO_VALLE	26.733*	Max WS	24.50	119.03	121.19	121.38	122.08	0.012279	4.58	8.31	7.89	1.00
RIVO	RIVO_VALLE	26.667*	Max WS	24.49	118.93	121.13	121.31	121.97	0.011316	4.47	8.85	8.86	0.97
RIVO	RIVO_VALLE	26.600*	Max WS	24.49	118.82	121.08	121.24	121.85	0.010339	4.35	9.45	9.83	0.93
RIVO	RIVO_VALLE	26.533*	Max WS	24.31	118.72	121.04	121.17	121.73	0.009219	4.18	10.14	10.80	0.88
RIVO	RIVO_VALLE	26.467*	Max WS	24.46	118.62	121.00	120.53	121.63	0.008347	4.06	10.93	11.78	0.84
RIVO	RIVO_VALLE	26.402	Lat Struct										
RIVO	RIVO_VALLE	26.401	Lat Struct										
RIVO	RIVO_VALLE	26.400*	Max WS	2									

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO_VALLE	24	Max WS	24.77	118.15	120.81		120.86	0.000905	1.43	32.92	24.83	0.28
RIVO	RIVO_VALLE	23.6	Lat Struct										
RIVO	RIVO_VALLE	23.5	Lat Struct										
RIVO	RIVO_VALLE	23	Max WS	24.74	118.15	120.80	119.74	120.86	0.000968	1.46	35.05	31.57	0.29
RIVO	RIVO_VALLE	22.50	Autostrada										
RIVO	RIVO_VALLE	22	Max WS	24.74	115.98	119.72		119.82	0.000741	1.48	18.96	21.95	0.26
RIVO	RIVO_VALLE	21.753	Lat Struct										
RIVO	RIVO_VALLE	21.751	Lat Struct										
RIVO	RIVO_VALLE	21.750*	Max WS	24.53	116.13	119.72		119.82	0.000833	1.56	24.53	18.84	0.27
RIVO	RIVO_VALLE	21.500*	Max WS	24.34	116.27	119.69		119.83	0.001207	1.86	20.05	12.48	0.33
RIVO	RIVO_VALLE	21.250*	Max WS	24.16	116.42	119.67		119.84	0.001631	2.14	17.75	8.84	0.39
RIVO	RIVO_VALLE	21	Max WS	24.04	116.52	119.62		119.86	0.002505	2.60	15.52	7.76	0.48
RIVO	RIVO_VALLE	20.875*	Max WS	23.98	116.52	119.60		119.85	0.002707	2.70	15.26	7.87	0.50
RIVO	RIVO_VALLE	20.750*	Max WS	23.90	116.51	119.58		119.85	0.002908	2.80	15.05	7.98	0.51
RIVO	RIVO_VALLE	20.627	Lat Struct										
RIVO	RIVO_VALLE	20.626	Lat Struct										
RIVO	RIVO_VALLE	20.625*	Max WS	23.72	116.50	119.57		119.84	0.003076	2.88	14.90	8.10	0.53
RIVO	RIVO_VALLE	20.500*	Max WS	23.50	116.50	119.56		119.83	0.003219	2.95	14.81	8.22	0.54
RIVO	RIVO_VALLE	20.375*	Max WS	23.12	116.49	119.55		119.82	0.003281	2.98	14.82	8.35	0.55
RIVO	RIVO_VALLE	20.250*	Max WS	22.74	116.49	119.55		119.81	0.003317	3.01	14.89	8.48	0.55
RIVO	RIVO_VALLE	20.125*	Max WS	22.38	116.49	119.54		119.79	0.003339	3.03	15.01	8.61	0.55
RIVO	RIVO_VALLE	20	Max WS	22.05	116.48	119.54		119.78	0.003349	3.04	15.18	8.74	0.56
RIVO	RIVO_VALLE	19.803	Lat Struct										
RIVO	RIVO_VALLE	19.801	Lat Struct										
RIVO	RIVO_VALLE	19.800*	Max WS	21.74	116.42	119.53		119.76	0.003057	2.93	15.16	8.67	0.53
RIVO	RIVO_VALLE	19.605	Lat Struct										
RIVO	RIVO_VALLE	19.600*	Max WS	21.51	116.37	119.52		119.75	0.002832	2.84	15.15	8.81	0.51
RIVO	RIVO_VALLE	19.400*	Max WS	21.31	116.31	119.51		119.74	0.002598	2.74	15.19	8.93	0.49
RIVO	RIVO_VALLE	19.205	Lat Struct										
RIVO	RIVO_VALLE	19.200*	Max WS	20.99	116.26	119.50		119.73	0.002321	2.62	15.33	9.06	0.47
RIVO	RIVO_VALLE	19	Max WS	20.57	116.20	119.50		119.71	0.002025	2.47	15.56	9.19	0.44
RIVO	RIVO_VALLE	18.500*	Max WS	20.29	116.09	119.51		119.69	0.001427	2.13	16.02	8.44	0.37
RIVO	RIVO_VALLE	18.3	Lat Struct										
RIVO	RIVO_VALLE	18.2	Lat Struct										
RIVO	RIVO_VALLE	18	Max WS	20.06	115.98	119.52		119.68	0.001091	1.90	15.43	6.48	0.32
RIVO	RIVO_VALLE	17.750*	Max WS	20.06	115.98	119.52		119.68	0.001091	1.90	15.42	6.48	0.32
RIVO	RIVO_VALLE	17.500*	Max WS	20.08	115.98	119.52		119.68	0.001094	1.90	15.42	6.47	0.32
RIVO	RIVO_VALLE	17.250*	Max WS	20.11	115.98	119.52		119.68	0.001098	1.90	15.41	6.47	0.33
RIVO	RIVO_VALLE	17	Max WS	20.14	115.98	119.52	117.84	119.68	0.001103	1.91	15.40	6.47	0.33
RIVO	RIVO_VALLE	16.50	Ferrovia										
RIVO	RIVO_VALLE	16	Max WS	19.95	115.83	118.84		119.13	0.002699	2.69	12.13	6.54	0.50
RIVO	RIVO_VALLE	15.803	Lat Struct										
RIVO	RIVO_VALLE	15.801	Lat Struct										
RIVO	RIVO_VALLE	15.800*	Max WS	20.13	115.75	118.87		119.10	0.002208	2.49	14.48	9.16	0.45
RIVO	RIVO_VALLE	15.600*	Max WS	19.94	115.67	118.87		119.08	0.001998	2.41	15.74	11.79	0.43
RIVO	RIVO_VALLE	15.400*	Max WS	19.61	115.58	118.86		119.08	0.001979	2.43	15.83	14.41	0.43
RIVO	RIVO_VALLE	15.200*	Max WS	19.18	115.50	118.84		119.09	0.002083	2.53	14.71	17.04	0.44
RIVO	RIVO_VALLE	15	Max WS	18.90	115.42	118.81		119.10	0.002259	2.66	12.43	16.86	0.46
RIVO	RIVO_VALLE	14.99	Lat Struct										
RIVO	RIVO_VALLE	14.98	Lat Struct										
RIVO	RIVO_VALLE	14.933*	Max WS	18.84	115.41	118.83		119.07	0.001902	2.46	14.75	18.85	0.43
RIVO	RIVO_VALLE	14.867*	Max WS	18.74	115.40	118.86		119.05	0.001560	2.24	16.91	18.05	0.39
RIVO	RIVO_VALLE	14.800*	Max WS	18.63	115.39	118.88		119.03	0.001300	2.06	18.69	17.24	0.35
RIVO	RIVO_VALLE	14.733*	Max WS	18.50	115.38	118.89		119.02	0.001104	1.91	20.12	16.44	0.33
RIVO	RIVO_VALLE	14.667*	Max WS	18.37	115.36	118.90		119.01	0.000956	1.78	21.24	15.63	0.30
RIVO	RIVO_VALLE	14.600*	Max WS	18.23	115.35	118.91		119.00	0.000844	1.68	22.07	14.83	0.29
RIVO	RIVO_VALLE	14.533*	Max WS	18.09	115.34	118.91		119.00	0.000760	1.60	22.64	14.02	0.27
RIVO	RIVO_VALLE	14.467*	Max WS	17.95	115.33	118.92		118.99	0.000696	1.54	22.95	13.22	0.26
RIVO	RIVO_VALLE	14.400*	Max WS	17.80	115.32	118.92		118.99	0.000651	1.49	23.01	12.41	0.25
RIVO	RIVO_VALLE	14.333*	Max WS	17.67	115.31	118.92		118.99	0.000622	1.46	22.83	11.61	0.25
RIVO	RIVO_VALLE	14.267*	Max WS	17.58	115.29	118.92		118.99	0.000610	1.45	22.40	10.80	0.24
RIVO	RIVO_VALLE	14.200*	Max WS	17.50	115.28	118.92		118.99	0.000614	1.46	21.74	10.00	0.24
RIVO	RIVO_VALLE	14.133*	Max WS	17.43	115.27	118.92		118.99	0.000634	1.49	20.83	9.19	0.25
RIVO	RIVO_VALLE	14.067*	Max WS	17.36	115.26	118.91		118.99	0.000674	1.53	19.68	8.39	0.26
RIVO	RIVO_VALLE	14	Max WS	17.29	115.25	118.90	117.04	119.00	0.000736	1.60	18.29	7.58	0.27
RIVO	RIVO_VALLE	13.50	Str. Di Maratta										
RIVO	RIVO_VALLE	13	Max WS	17.29	115.21	117.30		117.87	0.008632	3.61	6.56	4.69	0.82
RIVO	RIVO_VALLE	12.99	Lat Struct										
RIVO	RIVO_VALLE	12.98	Lat Struct										
RIVO	RIVO_VALLE	12.967*	Max WS	17.29	115.20	117.29		117.87	0.008660	3.62	6.57	4.70	0.82
RIVO	RIVO_VALLE	12.933*	Max WS	17.29	115.19	117.28		117.86	0.008674	3.63	6.57	4.71	0.82
RIVO	RIVO_VALLE	12.900*	Max WS	17.29	115.18	117.27		117.85	0.008703	3.64	6.58	4.72	0.82
RIVO	RIVO_VALLE	12.867*	Max WS	17.29	115.17	117.26		117.85	0.008738	3.66	6.58	4.73	0.83
RIVO	RIVO_VALLE	12.833*	Max WS	17.29	115.16	117.26		117.84	0.008761	3.67	6.59	4.73	0.83
RIVO	RIVO_VALLE	12.800*	Max WS	17.29	115.15	117.25		117.83	0.008800	3.68	6.59	4.74	0.83
RIVO	RIVO_VALLE	12.767*	Max WS	17.29	115.14	117.24		117.83	0.008832	3.70	6.59	4.75	0.83
RIVO	RIVO_VALLE	12.733*	Max WS	17.29	115.13	117.23		117.82	0.008853	3.71	6.60	4.76	0.83
RIVO	RIVO_VALLE	12.700*	Max WS	17.29	115.12	117.22		117.81	0.008900	3.72	6.60	4.77	0.84
RIVO	RIVO_VALLE	12.667*	Max WS	17.29	115.11	117.21		117.81	0.008944	3.74	6.60	4.77	0.84
RIVO	RIVO_VALLE	12.633*	Max WS	17.29	115.10	117.20		117.80	0.008974	3.75	6.61	4.78	0.84
RIVO	RIVO_VALLE	12.600*	Max WS	17.29	115.09	117.19		117.79	0.009023	3.76	6.61	4.79	0.84
RIVO	RIVO_VALLE	12.567*	Max WS	17.29	115.08	117.18		117.79	0.009070	3.78	6.61	4.80	0.85
RIVO	RIVO_VALLE	12.533*	Max WS	17.29	115.07	117.17		117.78	0.009101	3.79	6.61	4.80	0.85
RIVO	RIVO_VALLE	12.500*	Max WS	17.29	115.06	117.16	117.02	117.77	0.009158	3.81	6.61	4.81	0.85
RIVO	RIVO_VALLE	12.467*	Max WS	17.29	115.05	117.15	117.01	117.76	0.009214	3.82	6.61	4.82	0.86
RIVO	RIVO_VALLE	12.433*	Max WS	17.29	115.04	117.14	117.01	117.76	0.009255	3.84	6.62	4.83	0.86
RIVO	RIVO_VALLE	12.400*	Max WS	17.29	115.03	117.13	117.00	117.75	0.009311	3.85	6.62	4.83	0.86
RIVO	RIVO_VALLE	12.367*	Max WS	17.29	115.02	117.12	117.00	117.74	0.009381	3.87	6.61	4.84	0.87
RIVO	RIVO_VALLE	12.333*	Max WS	17.29	115.01	117.12	116.99	117.74	0.009427	3.89	6.61	4.85	0.87
RIVO	RIVO_VALLE	12.300*	Max WS	17.29	115.00	117.11	116.99	117.73	0.009501	3.91	6.61	4.85	0.87
RIVO	RIVO_VALLE	12.267*	Max WS	17.29	114.99	117.10	116.98	117.73	0.009571	3.92	6.61	4.86	0.88
RIVO	RIVO_VALLE	12.233*	Max WS	17.29	114.98	117.09	116.98	117.72	0.009627	3.94	6.61	4.87	0.88
RIVO	RIVO_VALLE	12.200*	Max WS	17.29	114.97	117.08	116.97	117.71	0.009705	3.96	6.60	4.87	0.88
RIVO	RIVO_VALLE	12.167*	Max WS	17.29	114.96	117.07	116.97	117.71	0.009785	3.98	6.60	4.88	0.89
RIVO	RIVO_VALLE	12.133*	Max WS	17.29	114.95	117.06	116.96	117.70	0.009861	4.00	6.60	4.88	0.89
RIVO	RIVO_VALLE	12.100*	Max WS	17.29	114.94	117.04	116.95	117.69	0.009949	4.02	6.59	4.89	0.89
RIVO	RIVO_VALLE	12.067*	Max WS	17.29	114.93	117.03	116.95	117.69	0.010042	4.04	6.59	4.89	0.90
RIVO	RIVO_VALLE	12.033*	Max WS	17.29	114.92	117.02	116.94	117.68	0.010119	4.06	6.58	4.90	0.90
RIVO	RIVO_VALLE	12	Max WS	17.28	114.91	117.01	116.94	117.67	0.010227	4.08	6.57	4.90	0.91
RIVO	RIVO_VALLE	11.97											

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
RIVO	RIVO_VALLE	11.861*	Max WS	17.28	114.66	116.76	116.68	117.41	0.010160	4.07	6.65	4.99	0.90
RIVO	RIVO_VALLE	11.833*	Max WS	17.28	114.61	116.71	116.63	117.36	0.010118	4.06	6.67	5.01	0.90
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	17.28	114.56	116.66	116.58	117.30	0.010102	4.06	6.68	5.03	0.90
RIVO	RIVO_VALLE	11.778*	Max WS	17.28	114.51	116.61	116.53	117.25	0.010061	4.05	6.71	5.05	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	17.28	114.46	116.56	116.48	117.20	0.010013	4.04	6.73	5.07	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	17.28	114.41	116.51	116.43	117.15	0.009977	4.04	6.75	5.09	0.90
RIVO	RIVO_VALLE	11.694*	Max WS	17.28	114.36	116.47	116.37	117.09	0.009923	4.03	6.78	5.11	0.89
RIVO	RIVO_VALLE	11.667*	Max WS	17.28	114.31	116.42	116.32	117.04	0.009869	4.02	6.81	5.14	0.89
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	17.28	114.26	116.37	116.27	116.99	0.009780	4.00	6.84	5.16	0.89
RIVO	RIVO_VALLE	11.611*	Max WS	17.28	114.21	116.32	116.22	116.93	0.009696	3.99	6.88	5.19	0.88
RIVO	RIVO_VALLE	11.583*	Max WS	17.28	114.16	116.28	116.17	116.88	0.009602	3.98	6.92	5.22	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	17.28	114.11	116.23	116.11	116.83	0.009493	3.96	6.96	5.25	0.88
RIVO	RIVO_VALLE	11.528*	Max WS	17.28	114.05	116.19	116.07	116.78	0.009354	3.94	7.01	5.28	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	17.28	114.01	116.14		116.72	0.009216	3.92	7.07	5.31	0.86
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	17.28	113.96	116.10		116.67	0.009055	3.89	7.13	5.35	0.86
RIVO	RIVO_VALLE	11.444*	Max WS	17.28	113.90	116.06		116.62	0.008913	3.87	7.20	5.43	0.85
RIVO	RIVO_VALLE	11.417*	Max WS	17.28	113.85	116.01		116.58	0.008858	3.87	7.26	5.65	0.85
RIVO	RIVO_VALLE	11.389*	Max WS	17.28	113.80	115.97	115.81	116.53	0.008763	3.86	7.34	5.87	0.84
RIVO	RIVO_VALLE	11.361*	Max WS	17.28	113.75	115.93		116.48	0.008539	3.82	7.43	5.89	0.83
RIVO	RIVO_VALLE	11.333*	Max WS	17.28	113.70	115.90		116.43	0.008263	3.77	7.54	5.91	0.82
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	17.28	113.65	115.86		116.38	0.007980	3.73	7.66	5.94	0.81
RIVO	RIVO_VALLE	11.278*	Max WS	17.28	113.60	115.83		116.33	0.007655	3.67	7.81	5.97	0.79
RIVO	RIVO_VALLE	11.250*	Max WS	17.28	113.55	115.80		116.28	0.007310	3.61	7.97	6.00	0.78
RIVO	RIVO_VALLE	11.222*	Max WS	17.28	113.50	115.78		116.23	0.006975	3.55	8.14	6.03	0.76
RIVO	RIVO_VALLE	11.194*	Max WS	17.28	113.45	115.75		116.19	0.006608	3.48	8.33	6.07	0.74
RIVO	RIVO_VALLE	11.167*	Max WS	17.28	113.40	115.73		116.15	0.006234	3.41	8.53	6.06	0.72
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	17.26	113.35	115.71		116.11	0.005835	3.33	8.76	6.05	0.70
RIVO	RIVO_VALLE	11.111*	Max WS	17.24	113.30	115.70		116.07	0.005445	3.25	9.00	6.04	0.68
RIVO	RIVO_VALLE	11.083*	Max WS	17.20	113.25	115.68		116.03	0.005057	3.16	9.26	6.03	0.65
RIVO	RIVO_VALLE	11.056*	Max WS	17.13	113.20	115.67		116.00	0.004667	3.07	9.53	6.02	0.63
RIVO	RIVO_VALLE	11.028*	Max WS	17.03	113.15	115.67		115.97	0.004268	2.97	9.83	6.01	0.60
RIVO	RIVO_VALLE	11	Max WS	17.11	113.10	115.65		115.95	0.004052	2.93	10.07	6.00	0.59
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	17.11	113.04	115.65		115.92	0.003500	2.77	10.78	6.45	0.55
RIVO	RIVO_VALLE	10.667*	Max WS	16.90	112.97	115.67		115.89	0.002856	2.56	11.68	6.89	0.50
RIVO	RIVO_VALLE	10.500*	Max WS	16.56	112.89	115.68		115.87	0.002265	2.33	12.74	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	16.01	112.81	115.71		115.85	0.001736	2.09	13.95	7.79	0.40
RIVO	RIVO_VALLE	10.167*	Max WS	15.18	112.73	115.73		115.84	0.001269	1.83	15.30	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	14.12	112.65	115.75	114.65	115.83	0.000894	1.57	16.77	8.68	0.29
RIVO	RIVO_VALLE	9.50 Inizio Tratto In	Bridge										
RIVO	RIVO_VALLE	9	Max WS	14.11	112.24	114.23		114.88	0.008238	3.57	3.96	5.38	0.81
RIVO	RIVO_VALLE	8.9474*	Max WS	14.11	112.19	114.23		114.51	0.004066	2.54	7.32	5.47	0.57
RIVO	RIVO_VALLE	8.8947*	Max WS	14.10	112.14	114.23		114.51	0.003868	2.51	7.49	5.47	0.56
RIVO	RIVO_VALLE	8.8421*	Max WS	14.09	112.09	114.23		114.50	0.003680	2.49	7.67	5.48	0.55
RIVO	RIVO_VALLE	8.7895*	Max WS	14.08	112.04	114.23		114.49	0.003509	2.46	7.84	5.48	0.54
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	14.07	112.00	114.23		114.49	0.003350	2.44	8.03	5.49	0.52
RIVO	RIVO_VALLE	8.6842*	Max WS	14.07	111.95	114.23		114.48	0.003216	2.42	8.20	5.49	0.51
RIVO	RIVO_VALLE	8.6316*	Max WS	14.07	111.90	114.24		114.48	0.003095	2.40	8.38	5.50	0.50
RIVO	RIVO_VALLE	8.5789*	Max WS	14.08	111.85	114.24		114.48	0.002983	2.38	8.56	5.50	0.50
RIVO	RIVO_VALLE	8.5263*	Max WS	14.09	111.80	114.24		114.47	0.002885	2.36	8.74	5.51	0.49
RIVO	RIVO_VALLE	8.4737*	Max WS	14.10	111.75	114.24		114.47	0.002794	2.34	8.92	5.51	0.48
RIVO	RIVO_VALLE	8.4211*	Max WS	14.11	111.70	114.24		114.46	0.002714	2.33	9.10	5.52	0.47
RIVO	RIVO_VALLE	8.3684*	Max WS	14.12	111.65	114.24		114.46	0.002641	2.32	9.29	5.52	0.46
RIVO	RIVO_VALLE	8.3158*	Max WS	14.13	111.60	114.24		114.46	0.002576	2.30	9.47	5.53	0.46
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	14.15	111.56	114.24		114.45	0.002525	2.29	9.64	5.53	0.45
RIVO	RIVO_VALLE	8.2105*	Max WS	14.16	111.51	114.24		114.45	0.002469	2.28	9.83	5.54	0.45
RIVO	RIVO_VALLE	8.1579*	Max WS	14.17	111.46	114.24		114.44	0.002424	2.27	10.01	5.54	0.44
RIVO	RIVO_VALLE	8.1053*	Max WS	14.18	111.41	114.25		114.44	0.002363	2.26	10.20	5.55	0.43
RIVO	RIVO_VALLE	8.0526*	Max WS	14.03	111.36	114.25		114.43	0.002290	2.23	10.39	5.55	0.42
RIVO	RIVO_VALLE	8	Max WS	14.01	111.31	114.25		114.43	0.002246	2.21	10.58	5.56	0.42
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	13.88	111.21	114.27		114.42	0.002456	2.12	11.20	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	13.86	111.11	114.26		114.41	0.003509	2.19	10.69	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	14.23	111.07	114.24		114.39	0.003455	2.22	10.87	7.09	0.41
RIVO	RIVO_VALLE	7.7484*	Max WS	14.39	111.03	114.22		114.37	0.003283	2.22	11.08	7.14	0.40
RIVO	RIVO_VALLE	7.7226*	Max WS	14.43	111.00	114.20		114.36	0.003052	2.18	11.32	7.20	0.40
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	14.33	110.96	114.19		114.34	0.002751	2.12	11.61	7.25	0.38
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	14.19	110.92	114.19		114.32	0.002463	2.06	11.93	7.30	0.37
RIVO	RIVO_VALLE	7.6452*	Max WS	14.06	110.88	114.18		114.31	0.002200	1.99	12.27	7.36	0.36
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	14.00	110.84	114.17		114.30	0.001994	1.94	12.60	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	13.93	110.80	114.17		114.29	0.001810	1.89	12.93	7.48	0.33
RIVO	RIVO_VALLE	7.5677*	Max WS	13.97	110.77	114.16		114.28	0.001664	1.85	13.28	7.53	0.32
RIVO	RIVO_VALLE	7.5419*	Max WS	14.03	110.73	114.16		114.27	0.001538	1.82	13.64	7.59	0.32
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	14.08	110.69	114.15		114.26	0.001419	1.78	14.00	7.64	0.31
RIVO	RIVO_VALLE	7.4903*	Max WS	14.13	110.65	114.15		114.25	0.001311	1.75	14.37	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	14.18	110.61	114.14		114.24	0.001214	1.72	14.74	7.75	0.30
RIVO	RIVO_VALLE	7.4387*	Max WS	14.24	110.57	114.14		114.24	0.001126	1.69	15.12	7.81	0.29
RIVO	RIVO_VALLE	7.4129*	Max WS	14.25	110.53	114.14		114.23	0.001038	1.65	15.50	7.87	0.28
RIVO	RIVO_VALLE	7.3871*	Max WS	14.19	110.49	114.13		114.22	0.000946	1.61	15.91	7.92	0.27
RIVO	RIVO_VALLE	7.3614	Lat Struct										
RIVO	RIVO_VALLE	7.3613*	Max WS	14.15	110.45	114.13		114.22	0.				

HEC-RAS Plan: S0_TR200" Profile: Max WS (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
RIVO	RIVO_VALLE	7.2839*	Max WS	14.13	110.33	114.13		114.20	0.000679	1.46	17.60	8.14	0.24
RIVO	RIVO_VALLE	7.2581*	Max WS	14.14	110.29	114.12		114.20	0.000628	1.43	18.04	8.20	0.24
RIVO	RIVO_VALLE	7.2323*	Max WS	14.14	110.25	114.12		114.19	0.000582	1.40	18.49	8.25	0.23
RIVO	RIVO_VALLE	7.2065*	Max WS	14.14	110.21	114.12		114.19	0.000538	1.37	18.95	8.27	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	14.13	110.18	114.12		114.18	0.000500	1.34	19.41	8.32	0.22
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	14.13	110.13	114.12		114.18	0.000465	1.31	19.88	8.38	0.21
RIVO	RIVO_VALLE	7.1290*	Max WS	14.13	110.10	114.12		114.18	0.000433	1.28	20.35	8.43	0.21
RIVO	RIVO_VALLE	7.1032*	Max WS	14.13	110.06	114.12		114.17	0.000404	1.25	20.83	8.48	0.20
RIVO	RIVO_VALLE	7.0774*	Max WS	14.12	110.02	114.12		114.17	0.000377	1.22	21.33	8.54	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	14.11	109.98	114.12		114.17	0.000352	1.20	21.82	8.59	0.19
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	14.08	109.94	114.12		114.17	0.000330	1.17	22.32	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	14.06	109.89	114.12		114.16	0.000309	1.14	22.83	8.69	0.18
RIVO	RIVO_VALLE	6.5000*	Max WS	14.03	109.88	114.12		114.16	0.000298	1.08	21.80	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	14.01	109.83	114.11	111.70	114.16	0.000296	1.03	20.92	7.58	0.16
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.75	108.99	111.71		111.74	0.000198	0.69	5.47	5.76	0.13
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.74	108.98	111.72		111.73	0.000127	0.55	8.89	6.50	0.11
RIVO	RIVO_VALLE	4	Max WS	3.71	108.96	111.72		111.73	0.000133	0.56	8.86	7.33	0.11
RIVO	RIVO_VALLE	3	Max WS	3.71	107.85	111.72		111.73	0.000048	0.43	11.48	7.59	0.07
RIVO	RIVO_VALLE	2.7500*	Max WS	3.79	107.72	111.72		111.73	0.000046	0.42	12.98	6.35	0.07
RIVO	RIVO_VALLE	2.5000*	Max WS	3.78	107.58	111.72		111.73	0.000040	0.41	14.96	7.29	0.06
RIVO	RIVO_VALLE	2.2500*	Max WS	3.78	107.45	111.72		111.73	0.000037	0.40	16.45	8.14	0.06
RIVO	RIVO_VALLE	2	Max WS	3.77	107.31	111.72		111.73	0.000035	0.39	17.48	8.96	0.06
RIVO	RIVO_VALLE	1.8889*	Max WS	3.76	107.22	111.72		111.72	0.000017	0.27	24.49	12.95	0.04
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.75	107.13	111.72		111.72	0.000009	0.20	33.90	16.97	0.03
RIVO	RIVO_VALLE	1.6667*	Max WS	3.74	107.04	111.72		111.72	0.000005	0.15	45.70	21.02	0.02
RIVO	RIVO_VALLE	1.5556*	Max WS	3.73	106.95	111.72		111.72	0.000003	0.11	59.93	25.08	0.02
RIVO	RIVO_VALLE	1.4444*	Max WS	3.73	106.85	111.72		111.72	0.000002	0.08	76.57	29.16	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	3.87	106.76	111.72		111.72	0.000001	0.07	95.65	33.22	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	3.87	106.67	111.72		111.72	0.000001	0.05	117.15	37.32	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	3.71	106.58	111.72		111.72	0.000000	0.04	141.06	41.45	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	111.72	107.02	111.72	0.000000	0.03	167.43	45.59	0.00
CALCINARE	CALCINARE	39	Max WS	19.32	184.17	185.48	185.56	186.19	0.041491	3.75	5.37	4.87	1.11
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.31	183.87	185.31	185.28	185.88	0.029263	3.38	6.11	5.42	0.95
CALCINARE	CALCINARE	38.929*	Max WS	30.95	183.57	185.08	185.43	186.37	0.061264	5.09	6.65	5.97	1.38
CALCINARE	CALCINARE	38.893*	Max WS	30.95	183.27	184.78	185.14	186.07	0.061391	5.11	6.72	6.49	1.39
CALCINARE	CALCINARE	38.857*	Max WS	30.93	182.97	184.48	184.85	185.78	0.062184	5.14	6.72	6.80	1.39
CALCINARE	CALCINARE	38.821*	Max WS	30.92	182.67	184.18	184.57	185.45	0.061567	5.12	6.75	5.73	1.39
CALCINARE	CALCINARE	38.786*	Max WS	30.92	182.37	183.88	184.29	185.14	0.061527	5.12	6.81	5.85	1.39
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	30.91	182.08	183.57	184.01	184.84	0.061449	5.13	6.86	5.96	1.39
CALCINARE	CALCINARE	38.714*	Max WS	30.91	181.78	183.27	183.73	184.53	0.061428	5.13	6.91	6.06	1.39
CALCINARE	CALCINARE	38.679*	Max WS	30.91	181.48	182.97	183.45	184.22	0.061298	5.13	6.96	6.16	1.39
CALCINARE	CALCINARE	38.643*	Max WS	30.90	181.18	182.67	182.92	183.92	0.061255	5.14	7.00	6.25	1.39
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	30.90	180.88	182.37	182.64	183.61	0.061303	5.15	7.04	6.33	1.39
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	30.89	180.58	182.07	182.37	183.30	0.061280	5.16	7.08	6.41	1.39
CALCINARE	CALCINARE	38.536*	Max WS	30.89	180.28	181.77	182.11	183.00	0.061266	5.16	7.12	6.49	1.39
CALCINARE	CALCINARE	38.500*	Max WS	30.89	179.98	181.47	181.82	182.69	0.061061	5.17	7.16	6.56	1.39
CALCINARE	CALCINARE	38.464*	Max WS	30.89	179.68	181.17	181.53	182.39	0.060999	5.17	7.20	6.63	1.39
CALCINARE	CALCINARE	38.429*	Max WS	30.88	179.38	180.87	181.23	182.08	0.060703	5.17	7.25	6.70	1.39
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	30.88	179.08	180.57	180.92	181.77	0.060104	5.17	7.30	6.77	1.38
CALCINARE	CALCINARE	38.357*	Max WS	30.87	178.78	180.28	180.62	181.46	0.059072	5.15	7.38	6.85	1.37
CALCINARE	CALCINARE	38.321*	Max WS	30.87	178.48	180.00	180.32	181.15	0.056827	5.09	7.52	6.95	1.35
CALCINARE	CALCINARE	38.286*	Max WS	30.87	178.18	179.73	180.02	180.81	0.052534	4.98	7.78	7.08	1.30
CALCINARE	CALCINARE	38.250*	Max WS	30.87	177.88	179.49	179.72	180.47	0.045324	4.75	8.25	7.29	1.22
CALCINARE	CALCINARE	38.214*	Max WS	30.86	177.59	179.29	179.42	180.12	0.035903	4.42	9.03	7.61	1.10
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	30.86	177.29	179.14	179.12	179.80	0.026024	3.99	10.23	8.06	0.95
CALCINARE	CALCINARE	38.143*	Max WS	30.86	176.99	179.03		179.53	0.017697	3.52	11.90	8.64	0.79
CALCINARE	CALCINARE	38.107*	Max WS	30.79	176.69	179.01		179.35	0.010625	2.98	14.44	9.13	0.63
CALCINARE	CALCINARE	38.071*	Max WS	30.81	176.39	179.01		179.29	0.007156	2.66	17.70	13.61	0.53
CALCINARE	CALCINARE	38.036*	Max WS	30.73	176.09	179.04		179.22	0.004277	2.23	23.19	19.27	0.42
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	30.47	175.79	179.07		179.18	0.002437	1.81	29.44	19.80	0.32
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	30.09	175.36	179.06		179.17	0.002088	1.82	29.14	15.27	0.30
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	29.37	174.92	179.04		179.17	0.002128	1.97	25.72	10.74	0.31
CALCINARE	CALCINARE	37	Max WS	28.05	174.49	179.00		179.19	0.002599	2.31	19.26	6.21	0.35
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	28.05	174.02	176.01	176.04	177.01	0.029336	4.45	6.59	3.70	1.02
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	28.20	173.88	175.87	176.03	177.00	0.034063	4.81	6.57	4.09	1.10
CALCINARE	CALCINARE	35.333*	Max WS	28.32	173.73	175.70	175.73	176.93	0.039417	5.15	6.63	4.60	1.18
CALCINARE	CALCINARE	35	Max WS	28.43	173.55	175.49	176.06	176.90	0.049631	5.69	6.72	6.20	1.32
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	28.51	173.33	175.27	175.84	176.61	0.045795	5.46	6.61	5.24	1.27
CALCINARE	CALCINARE	34.800*	Max WS	28.55	173.11	175.07	175.60	176.33	0.041196	5.22	6.67	4.89	1.20
CALCINARE	CALCINARE	34.700*	Max WS	28.74	172.90	174.90	174.90	176.06	0.036082	4.96	6.87	4.80	1.13
CALCINARE	CALCINARE	34.605	Lat Struct										
CALCINARE	CALCINARE	34.600*	Max WS	28.74	172.68	174.74	174.						

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
CALCINARE	CALCINARE	34.200*	Max WS	29.08	171.81	174.42		174.88	0.009339	3.04	10.64	5.58	0.60
CALCINARE	CALCINARE	34.100*	Max WS	29.49	171.58	174.42		174.80	0.006713	2.73	11.69	4.88	0.52
CALCINARE	CALCINARE	34.009	Lat Struct										
CALCINARE	CALCINARE	34	Max WS	30.37	171.36	174.42		174.74	0.005149	2.51	12.47	4.18	0.46
CALCINARE	CALCINARE	33.750*	Max WS	30.50	171.05	174.48		174.71	0.003242	2.12	15.11	4.64	0.37
CALCINARE	CALCINARE	33.500*	Max WS	30.26	170.74	174.54		174.70	0.002101	1.80	17.93	5.11	0.30
CALCINARE	CALCINARE	33.255	Lat Struct										
CALCINARE	CALCINARE	33.250*	Max WS	27.72	170.43	174.61		174.71	0.001179	1.42	21.11	5.57	0.23
CALCINARE	CALCINARE	33	Max WS	23.51	170.12	174.67	171.69	174.72	0.000591	1.05	24.46	6.03	0.16
CALCINARE	CALCINARE	32.50	Bridge										
CALCINARE	CALCINARE	32	Max WS	23.48	169.93	171.77		172.43	0.023727	3.69	6.65	19.31	0.89
CALCINARE	CALCINARE	31.670	Lat Struct										
CALCINARE	CALCINARE	31.669	Lat Struct										
CALCINARE	CALCINARE	31.667*	Max WS	23.81	169.77	171.70		171.94	0.011581	2.64	14.51	14.74	0.63
CALCINARE	CALCINARE	31.335	Lat Struct										
CALCINARE	CALCINARE	31.333*	Max WS	24.17	169.61	171.58	171.56	172.05	0.020703	3.54	10.37	9.91	0.83
CALCINARE	CALCINARE	31	Max WS	24.42	169.45	171.45	171.55	172.55	0.043694	5.10	6.50	5.03	1.20
CALCINARE	CALCINARE	30.933*	Max WS	24.58	169.21	171.23	171.34	172.35	0.044278	5.16	6.54	5.07	1.21
CALCINARE	CALCINARE	30.867*	Max WS	24.52	168.98	171.02	171.11	172.12	0.044228	5.19	6.58	5.11	1.21
CALCINARE	CALCINARE	30.800*	Max WS	24.42	168.74	170.80	170.89	171.90	0.044101	5.21	6.61	5.15	1.20
CALCINARE	CALCINARE	30.735	Lat Struct										
CALCINARE	CALCINARE	30.733*	Max WS	24.36	168.51	170.58	170.66	171.68	0.044321	5.24	6.64	5.18	1.21
CALCINARE	CALCINARE	30.669	Lat Struct										
CALCINARE	CALCINARE	30.667*	Max WS	24.10	168.27	170.37	170.42	171.44	0.043471	5.22	6.69	5.22	1.19
CALCINARE	CALCINARE	30.600*	Max WS	23.80	168.03	170.16	170.25	171.19	0.042438	5.18	6.75	5.27	1.18
CALCINARE	CALCINARE	30.533*	Max WS	23.47	167.80	169.95	170.03	170.94	0.040818	5.12	6.85	5.33	1.15
CALCINARE	CALCINARE	30.467*	Max WS	23.16	167.56	169.76	169.77	170.69	0.038676	5.03	7.00	5.42	1.12
CALCINARE	CALCINARE	30.400*	Max WS	23.61	167.33	169.57	169.54	170.50	0.038911	5.09	7.18	5.53	1.12
CALCINARE	CALCINARE	30.335	Lat Struct										
CALCINARE	CALCINARE	30.333*	Max WS	24.15	167.09	169.38	169.31	170.32	0.039797	5.18	7.34	5.65	1.13
CALCINARE	CALCINARE	30.269	Lat Struct										
CALCINARE	CALCINARE	30.267*	Max WS	24.72	166.85	169.18	169.11	170.16	0.041869	5.34	7.48	6.09	1.16
CALCINARE	CALCINARE	30.200*	Max WS	25.32	166.62	168.96	168.91	169.99	0.045158	5.53	7.53	6.33	1.19
CALCINARE	CALCINARE	30.133*	Max WS	25.57	166.38	168.74	169.05	169.78	0.048135	5.66	7.49	6.28	1.22
CALCINARE	CALCINARE	30.067*	Max WS	25.46	166.15	168.49	168.79	169.53	0.050683	5.73	7.37	5.87	1.24
CALCINARE	CALCINARE	30	Max WS	25.35	165.91	168.23	168.50	169.31	0.056219	5.90	7.13	5.67	1.28
CALCINARE	CALCINARE	29.752	Lat Struct										
CALCINARE	CALCINARE	29.750*	Max WS	25.57	165.69	168.01	168.19	169.02	0.040142	5.22	7.44	5.55	1.14
CALCINARE	CALCINARE	29.505	Lat Struct										
CALCINARE	CALCINARE	29.500*	Max WS	25.87	165.48	167.85	167.84	168.67	0.026980	4.43	8.07	5.20	0.96
CALCINARE	CALCINARE	29.250*	Max WS	26.04	165.26	167.74		168.37	0.017541	3.72	8.87	4.85	0.78
CALCINARE	CALCINARE	29	Max WS	25.50	165.04	167.76	167.06	168.17	0.009433	2.91	10.10	4.50	0.59
CALCINARE	CALCINARE	28.50	Bridge										
CALCINARE	CALCINARE	28	Max WS	25.50	164.89	166.43	166.71	167.64	0.051727	4.99	5.67	4.28	1.30
CALCINARE	CALCINARE	27.508	Lat Struct										
CALCINARE	CALCINARE	27.505	Lat Struct										
CALCINARE	CALCINARE	27.500*	Max WS	25.64	164.44	166.25	166.61	167.38	0.043756	5.04	6.80	6.68	1.22
CALCINARE	CALCINARE	27.01	Lat Struct										
CALCINARE	CALCINARE	27	Max WS	25.67	163.99	166.08	166.42	167.35	0.046277	5.59	6.57	4.96	1.26
CALCINARE	CALCINARE	26.967*	Max WS	25.65	163.78	165.85	166.18	167.12	0.046173	5.57	6.57	4.98	1.26
CALCINARE	CALCINARE	26.933*	Max WS	25.63	163.57	165.63	165.93	166.89	0.046158	5.55	6.56	4.99	1.26
CALCINARE	CALCINARE	26.900*	Max WS	25.62	163.36	165.40	165.71	166.66	0.046053	5.53	6.57	5.00	1.26
CALCINARE	CALCINARE	26.867*	Max WS	25.63	163.15	165.17	165.49	166.43	0.046154	5.53	6.56	5.02	1.26
CALCINARE	CALCINARE	26.835	Lat Struct										
CALCINARE	CALCINARE	26.833*	Max WS	25.61	162.93	164.95	165.27	166.20	0.046174	5.51	6.56	5.03	1.26
CALCINARE	CALCINARE	26.802	Lat Struct										
CALCINARE	CALCINARE	26.800*	Max WS	25.59	162.72	164.72	164.96	165.96	0.046102	5.49	6.56	5.05	1.26
CALCINARE	CALCINARE	26.767*	Max WS	25.57	162.51	164.50	164.70	165.73	0.046052	5.47	6.56	5.06	1.26
CALCINARE	CALCINARE	26.733*	Max WS	25.56	162.30	164.27	164.48	165.50	0.045964	5.45	6.57	5.08	1.26
CALCINARE	CALCINARE	26.700*	Max WS	25.55	162.09	164.05	164.25	165.27	0.045882	5.43	6.58	5.10	1.26
CALCINARE	CALCINARE	26.667*	Max WS	25.52	161.88	163.82	163.98	165.04	0.045864	5.42	6.58	5.12	1.26
CALCINARE	CALCINARE	26.634	Lat Struct										
CALCINARE	CALCINARE	26.633*	Max WS	25.52	161.67	163.60	163.77	164.80	0.045790	5.40	6.59	5.14	1.26
CALCINARE	CALCINARE	26.602	Lat Struct										
CALCINARE	CALCINARE	26.600*	Max WS	25.52	161.45	163.37	163.55	164.57	0.045829	5.38	6.59	5.15	1.26
CALCINARE	CALCINARE	26.567*	Max WS	25.52	161.24	163.15	163.31	164.34	0.045768	5.36	6.60	5.17	1.26
CALCINARE	CALCINARE	26.533*	Max WS	25.51	161.03	162.92	163.06	164.11	0.045693	5.34	6.61	5.20	1.26
CALCINARE	CALCINARE	26.500*	Max WS	25.51	160.82	162.70	162.82	163.88	0.045581	5.32	6.62	5.22	1.25
CALCINARE	CALCINARE	26.467*	Max WS	25.51	160.61	162.48	162.57	163.64	0.045277	5.29	6.65	5.22	1.25
CALCINARE	CALCINARE	26.435	Lat Struct										
CALCINARE	CALCINARE	26.433*	Max WS	25.51	160.40	162.26	162.27	163.41	0.044958	5.26	6.67	5.22	1.24
CALCINARE	CALCINARE	26.431	Lat Struct										
CALCINARE	CALCINARE	26.400*	Max WS	25.50	160.19	162.04	162.05	163.18	0.044531	5.23	6.70	5.22	1.24
CALCINARE	CALCINARE	26.367*	Max WS	25.50	159.97	161.82	162.24	162.94	0.043957	5.19	6.74	5.22	1.23
CALCINARE	CALCINARE	26.333*	Max WS	25.50	159.76	161.60	161.53	162.77	0.045563	5.28	6.78	6.41	1.25
CALCINARE	CALCINARE	26.300*	Max WS	25.50	159.54	161.37	161.29	162.58	0.046612	5.32	6.83	7.84	1.27
CALCINARE	CALCINARE	26.267*	Max WS	25.49	159.32	161.15	161.06	162.34	0.046563	5.29	6.89	8.09	1.26
CALCINARE	CALCINARE	26.235	Lat Struct										
CALCINARE	CALCINARE	26.233*	Max WS	25.46	159.09	160.92	160.83	162.09	0.046060	5.24	6.93	7.70	1.26
CALCINARE	CALCINARE	26.228	Lat Struct										
CALCINARE	CALCINARE	26.200*	Max WS	25.56	158.87	160.69	161.02	161.84	0.046012	5.22	6.95	7.31	1.25
CALCINARE	CALCINARE	26.167*	Max WS	25.74	158.65	160.47	160.78	161.61	0.046413	5.22	6.96	6.92	1.26
CALCINARE	CALCINARE	26.133*	Max WS	25.68	158.43	160.24	160.53	161.37	0.046194	5.18	6.93	6.53	1.25
CALCINARE	CALCINARE	26.100*	Max WS	25.70	158.21	160.01	160.29	161.13	0.046293	5.16	6.90	6.14	1.25
CALCINARE	CALCINARE	26.067*	Max WS	25.83	157.99	159.79	160.05	160.91	0.047189	5.18	6.83	5.75	1.26
CALCINARE	CALCINARE	26.040	Lat Struct										
CALCINARE	CALCINARE	26.033*	Max WS	25.52	157.77	159.56	159.79	160.66	0.046704	5.12	6.74	5.36	1.25
CALCINARE	CALCINARE	26.020	Lat Struct										
CALCINARE	CALCINARE	26	Max WS	25.45	157.55	159.33	159.54	160.43	0.047234	5.12	6.63	4.97	1.26
CALCINARE	CALCINARE	25.971*	Max WS	25.48	157.31	159.09	159.31	160.22	0.047937	5.18	6.55	4.90	1.27
CALCINARE	CALCINARE	25.943*	Max WS	25.30	157.06	158.85	159.08	160.00	0.047866	5.19	6.47	4.83	1.27
CALCINARE	CALCINARE	25.914*	Max WS	25.35	156.82	158.61	158.85	159.80	0.049122	5.27	6.37	4.76	1.29
CALCINARE	CALCINARE	25.886*	Max WS	25.40	156.58	158.36	158.63	159.60	0.051168	5.37	6.24	4.69	1.31
CALCINARE	CALCINARE	25.858	Lat Struct										
CALCINARE	CALCINARE	25.857*	Max WS	25.32	156.34	158.09	158.40	159.41	0.054138	5.49	6.05	4.62	1.35
CALCINARE	CALCINARE	25.855	Lat Struct										
CALCINARE	CALCINARE	25.829*	Max WS	25.37	156.09	157.81	158.18	159.26	0.061141	5.74	5.75	4.55	1.43
CALCINARE	CALCINARE	25.800*	Max WS										

HEC-RAS Plan: S0_TR200* Profile: Max WS (Continued)

EC-RAS Plan: 50 TR200" Profile: Max WS (Continued)														
River		Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(m³/s)	(m)	(m)		(m)	(m/m)	(m/s)	(m²)	(m)	
CALCINARE	CALCINARE	25.629*		Max WS	25.31	154.39	155.95	156.66	158.40	0.047448	7.17	4.53	3.81	1.86
CALCINARE	CALCINARE	25.600*		Max WS	25.31	154.15	155.71	156.43	158.19	0.047498	7.20	4.48	3.73	1.87
CALCINARE	CALCINARE	25.571*		Max WS	25.31	153.91	155.47	156.21	157.98	0.047530	7.24	4.44	3.65	1.87
CALCINARE	CALCINARE	25.544		Lat Struct										
CALCINARE	CALCINARE	25.543*		Max WS	25.31	153.66	155.23	155.98	157.77	0.047456	7.26	4.40	3.57	1.87
CALCINARE	CALCINARE	25.540		Lat Struct										
CALCINARE	CALCINARE	25.514*		Max WS	25.31	153.42	155.00	155.75	157.57	0.047506	7.29	4.35	3.50	1.87
CALCINARE	CALCINARE	25.486*		Max WS	25.31	153.18	154.76	155.52	157.36	0.047414	7.32	4.31	3.42	1.87
CALCINARE	CALCINARE	25.457*		Max WS	25.31	152.94	154.52	155.29	157.15	0.047412	7.35	4.27	3.35	1.87
CALCINARE	CALCINARE	25.429*		Max WS	25.31	152.69	154.28	155.07	156.94	0.047315	7.37	4.23	3.28	1.87
CALCINARE	CALCINARE	25.402		Lat Struct										
CALCINARE	CALCINARE	25.400*		Max WS	25.31	152.45	154.05	154.84	156.72	0.047208	7.39	4.19	3.21	1.87
CALCINARE	CALCINARE	25.371*		Max WS	25.31	152.21	153.81	154.61	156.51	0.047069	7.42	4.15	3.14	1.87
CALCINARE	CALCINARE	25.369		Lat Struct										
CALCINARE	CALCINARE	25.343*		Max WS	25.31	151.96	153.58	154.38	156.29	0.046667	7.42	4.12	3.08	1.87
CALCINARE	CALCINARE	25.314*		Max WS	25.31	151.71	153.35	154.15	156.07	0.046115	7.43	4.10	3.01	1.86
CALCINARE	CALCINARE	25.286*		Max WS	25.31	151.46	153.12	153.92	155.83	0.045153	7.40	4.08	2.95	1.84
CALCINARE	CALCINARE	25.257*		Max WS	25.31	151.22	152.90	153.69	155.59	0.043860	7.37	4.08	2.89	1.82
CALCINARE	CALCINARE	25.2295		Lat Struct										
CALCINARE	CALCINARE	25.229*		Max WS	25.31	150.97	152.68	153.47	155.32	0.041873	7.29	4.10	2.84	1.78
CALCINARE	CALCINARE	25.225		Lat Struct										
CALCINARE	CALCINARE	25.200*		Max WS	25.30	150.72	152.48	153.24	155.04	0.039165	7.17	4.15	2.79	1.73
CALCINARE	CALCINARE	25.171*		Max WS	25.30	150.47	152.29	153.01	154.74	0.035668	7.00	4.24	2.75	1.66
CALCINARE	CALCINARE	25.143*		Max WS	25.30	150.23	152.13	152.78	154.41	0.031426	6.76	4.38	2.71	1.57
CALCINARE	CALCINARE	25.114*		Max WS	25.30	149.98	151.98	152.55	154.07	0.026881	6.47	4.57	2.68	1.47
CALCINARE	CALCINARE	25.089		Lat Struct										
CALCINARE	CALCINARE	25.086*		Max WS	25.30	149.73	151.86	152.32	153.74	0.022310	6.14	4.81	2.65	1.35
CALCINARE	CALCINARE	25.057*		Max WS	25.29	149.48	151.76	152.09	153.44	0.018169	5.79	5.09	2.61	1.23
CALCINARE	CALCINARE	25.050		Lat Struct										
CALCINARE	CALCINARE	25.029*		Max WS	25.24	149.24	151.67	151.85	153.15	0.014533	5.43	5.41	2.56	1.11
CALCINARE	CALCINARE	25		Max WS	25.07	148.99	151.61	151.61	152.90	0.011476	5.06	5.75	2.50	1.00
CALCINARE	CALCINARE	24.05		Lat Struct										
CALCINARE	CALCINARE	24		Max WS	24.63	148.60	151.58	151.08	152.00	0.003708	3.10	12.72	7.78	0.58
CALCINARE	CALCINARE	23.50	Ponte su Strada	Bridge										
CALCINARE	CALCINARE	23		Max WS	24.63	148.11	149.95	150.95	152.66	0.039588	7.29	3.38	2.77	1.74
CALCINARE	CALCINARE	22.900		Lat Struct										
CALCINARE	CALCINARE	22.668		Lat Struct										
CALCINARE	CALCINARE	22.667*		Max WS	24.63	148.08	149.82	150.49	151.85	0.031910	6.36	4.34	2.89	1.55
CALCINARE	CALCINARE	22.335		Lat Struct										
CALCINARE	CALCINARE	22.333*		Max WS	24.64	148.01	149.71	150.39	151.77	0.034419	6.42	4.31	3.00	1.60
CALCINARE	CALCINARE	22		Max WS	24.64	147.95	149.58	150.29	151.73	0.038430	6.55	4.22	3.10	1.68
CALCINARE	CALCINARE	21.938*		Max WS	24.64	147.75	149.40	150.11	151.55	0.038013	6.56	4.19	3.02	1.67
CALCINARE	CALCINARE	21.875*		Max WS	24.64	147.55	149.22	149.93	151.38	0.037367	6.56	4.17	2.95	1.66
CALCINARE	CALCINARE	21.813*		Max WS	24.64	147.35	149.04	149.75	151.20	0.036546	6.55	4.16	2.88	1.65
CALCINARE	CALCINARE	21.750*		Max WS	24.63	147.16	148.87	149.56	151.01	0.035402	6.52	4.16	2.82	1.62
CALCINARE	CALCINARE	21.690		Lat Struct										
CALCINARE	CALCINARE	21.689		Lat Struct										
CALCINARE	CALCINARE	21.688*		Max WS	24.63	146.96	148.70	149.38	150.81	0.033884	6.47	4.17	2.75	1.59
CALCINARE	CALCINARE	21.625*		Max WS	24.63	146.76	148.54	149.20	150.60	0.031927	6.39	4.20	2.69	1.55
CALCINARE	CALCINARE	21.563*		Max WS	24.62	146.56	148.39	149.02	150.39	0.029615	6.28	4.26	2.63	1.51
CALCINARE	CALCINARE	21.500*		Max WS	24.62	146.36	148.26	148.83	150.16	0.026912	6.13	4.34	2.57	1.44
CALCINARE	CALCINARE	21.438*		Max WS	24.61	146.16	148.14	148.65	149.93	0.024001	5.95	4.44	2.50	1.37
CALCINARE	CALCINARE	21.375*		Max WS	24.59	145.96	148.03	148.47	149.70	0.021027	5.75	4.57	2.44	1.30
CALCINARE	CALCINARE	21.315		Lat Struct										
CALCINARE	CALCINARE	21.314		Lat Struct										
CALCINARE	CALCINARE	21.313*		Max WS	24.58	145.76	147.93	148.28	149.48	0.018105	5.52	4.73	2.38	1.21
CALCINARE	CALCINARE	21.250*		Max WS	24.55	145.56	147.85	148.10	149.28	0.015450	5.29	4.90	2.32	1.13
CALCINARE	CALCINARE	21.188*		Max WS	24.53	145.37	147.79	147.91	149.08	0.013043	5.05	5.09	2.67	1.05
CALCINARE	CALCINARE	21.125*		Max WS	24.47	145.17	147.73	147.72	148.91	0.010959	4.82	5.37	3.40	0.97
CALCINARE	CALCINARE	21.063*		Max WS	24.32	144.97	147.68	147.51	148.74	0.009069	4.56	5.75	3.79	0.89
CALCINARE	CALCINARE	21		Max WS	24.10	144.77	147.64	147.29	148.58	0.007490	4.31	6.15	3.69	0.82
CALCINARE	CALCINARE	20.335		Lat Struct										
CALCINARE	CALCINARE	20.334		Lat Struct										
CALCINARE	CALCINARE	20.333*		Max WS	24.34	144.63	147.61		148.44	0.006316	4.07	6.86	3.38	0.76
CALCINARE	CALCINARE	19.667*		Max WS	23.95	144.47	147.59	146.96	148.30	0.005118	3.77	7.35	3.06	0.69
CALCINARE	CALCINARE	19.2		Bridge										
CALCINARE	CALCINARE	19		Max WS	23.95	144.28	146.52	146.76	147.97	0.016507	5.33	4.74	2.59	1.16
CALCINARE	CALCINARE	18.752		Lat Struct										
CALCINARE	CALCINARE	18.750*		Max WS	23.90	144.12	146.46	146.78	148.08	0.017436	5.67	4.59	2.20	1.20
CALCINARE	CALCINARE	18.500*		Max WS	23.88	143.95	146.38	146.80	148.27	0.019194	6.13	4.43	2.18	1.27
CALCINARE	CALCINARE	18.250*		Max WS	23.85	143.79	146.30	146.90	148.60	0.022333	6.79	4.16	2.01	1.38
CALCINARE	CALCINARE	18		Max WS	23.79	143.63	146.21	147.07	149.18	0.027978	7.76	3.80	1.81	1.56
CALCINARE	CALCINARE	17.952		Lat Struct										
CALCINARE	CALCINARE	17.950*		Max WS	23.70	143.53	146.07	146.90	148.95	0.027523	7.62	3.81	1.83	1.54
CALCINARE	CALCINARE	17.900*		Max WS	23.61	143.44	145.94	146.73	148.73	0.027118	7.49	3.80	1.85	1.53
CALCINARE	CALCINARE	17.851		Lat Struct										
CALCINARE	CALCINARE	17.850*		Max WS	23.53	143.34	145.80	146.57	148.50	0.026678	7.36	3.80	1.86	1.51
CALCINARE	CALCINARE	17.800*		Max WS	23.44	143.25	145.67	146.41	148.29	0.026243	7.24	3.81	1.88	1.49
CALCINARE	CALCINARE	17.750*		Max WS	23.36	143.15	145.55	146.25	148.08	0.025788	7.11	3.82	1.90	1.48
CALCINARE	CALCINARE	17.700*		Max WS	23.27	143.06	145.42	146.09	147.87	0.025237	6.98	3.83	1.92	1.46
CALCINARE	CALCINARE	17.655		Lat Struct										
CALCINARE	CALCINARE	17.650*		Max WS	23.17	142.96	145.30	145.93	147.66	0.024637	6.85	3.85	1.94	1.44
CALCINARE	CALCINARE	17.600*		Max WS	23.07	142.87	145.18	145.77	147.45	0.023964	6.71	3.88	1.96	1.42
CALCINARE	CALCINARE	17.551		Lat Struct										
CALCINARE	CALCINARE	17.550*		Max WS	22.96	142.77	145.06	145.62	147.24	0.023206	6.57	3.91	1.98	1.39
CALCINARE	CALCINARE	17.500*		Max WS	22.83	142.68	144.95	145.47	147.04	0.022355	6.42	3.95	2.00	1.37
CALCINARE	CALCINARE	17.450*		Max WS	22.68	142.58	144.85	145.32	146.83	0.021375	6.26	3.99	2.02	1.33
CALCINARE	CALCINARE	17.400*		Max WS	22.51	142.48	144.74	145.16	146.62	0.020241	6.08	4.05	2.04	1.30
CALCINARE	CALCINARE	17.355		Lat Struct										
CALCINARE	CALCINARE	17.350*		Max WS	22.51	142.39	144.65	145.03	146.44	0.019352	5.95	4.11	2.07	1.27
CALCINARE	CALCINARE	17.300*		Max WS	22.51	142.29	144.55	144.90	146.26	0.018352	5.80	4.19	2.09	1.24
CALCINARE	CALCINARE	17.251		Lat Struct										
CALCINARE	CALCINARE	17.250*		Max WS	22.51	142.20	144.47	144.76	146.09	0.017330	5.65	4.28	2.11	1.20
CALCINARE	CALCINARE	17.200*		Max WS	22.51	142.10	144.38	144.63	145.92	0.016221	5.49	4.38	2.13	1.17
CALCINARE	CALCINARE	17.150*		Max WS	22.51	142.01	144							

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
CALCINARE	CALCINARE	14.22		Lat Struct									
CALCINARE	CALCINARE	14.2		Lat Struct									
CALCINARE	CALCINARE	14	Max WS	19.07	139.20	140.90	141.28	141.91	0.038510	4.53	4.79	4.19	1.13
CALCINARE	CALCINARE	13.805		Lat Struct									
CALCINARE	CALCINARE	13.802		Lat Struct									
CALCINARE	CALCINARE	13.800*	Max WS	18.80	139.03	140.72	141.04	141.65	0.034780	4.32	4.99	4.56	1.08
CALCINARE	CALCINARE	13.800*	Max WS	18.58	138.86	140.57	140.81	141.40	0.030594	4.09	5.25	6.11	1.01
CALCINARE	CALCINARE	13.400*	Max WS	18.39	138.69	140.44	140.57	141.16	0.025909	3.84	5.61	6.72	0.94
CALCINARE	CALCINARE	13.200*	Max WS	18.21	138.52	140.33	140.31	140.95	0.021098	3.55	6.07	6.84	0.85
CALCINARE	CALCINARE	13	Max WS	18.03	138.32	140.24	140.08	140.76	0.016601	3.26	6.58	6.59	0.76
CALCINARE	CALCINARE	12.750*	Max WS	17.82	138.01	140.17		140.62	0.012632	3.09	7.50	5.86	0.68
CALCINARE	CALCINARE	12.502		Lat Struct									
CALCINARE	CALCINARE	12.501		Lat Struct									
CALCINARE	CALCINARE	12.500*	Max WS	17.60	137.71	140.15		140.53	0.009618	2.94	8.30	5.02	0.60
CALCINARE	CALCINARE	12.250*	Max WS	17.71	137.40	140.10		140.49	0.008943	3.05	8.56	4.19	0.59
CALCINARE	CALCINARE	12	Max WS	18.10	137.09	139.99		140.48	0.010817	3.51	8.19	3.35	0.66
CALCINARE	CALCINARE	11	Max WS	18.22	137.07	139.91	139.20	140.50	0.012939	3.79	7.45	3.01	0.72
CALCINARE	CALCINARE	10.50 Ponte su Via del		Bridge									
CALCINARE	CALCINARE	10	Max WS	18.21	137.01	138.55	138.60	139.37	0.034257	4.00	4.55	7.07	1.05
CALCINARE	CALCINARE	9.5		Lat Struct									
CALCINARE	CALCINARE	9.2		Lat Struct									
CALCINARE	CALCINARE	9	Max WS	18.26	136.99	138.50		138.95	0.023028	3.23	7.19	6.84	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	18.29	136.82	138.39		138.85	0.022597	3.28	7.22	6.73	0.85
CALCINARE	CALCINARE	8.8000*	Max WS	18.26	136.66	138.28		138.74	0.022127	3.32	7.25	6.63	0.85
CALCINARE	CALCINARE	8.7000*	Max WS	18.27	136.49	138.17		138.64	0.021754	3.37	7.28	6.55	0.85
CALCINARE	CALCINARE	8.6000*	Max WS	18.25	136.32	138.06		138.53	0.021397	3.43	7.32	6.47	0.85
CALCINARE	CALCINARE	8.5000*	Max WS	18.23	136.16	137.95		138.43	0.021186	3.49	7.36	6.31	0.85
CALCINARE	CALCINARE	8.405		Lat Struct									
CALCINARE	CALCINARE	8.402		Lat Struct									
CALCINARE	CALCINARE	8.4000*	Max WS	18.17	135.99	137.85		138.33	0.020986	3.55	7.38	6.09	0.85
CALCINARE	CALCINARE	8.3000*	Max WS	17.99	135.82	137.75		138.23	0.020646	3.61	7.39	5.87	0.84
CALCINARE	CALCINARE	8.2000*	Max WS	17.65	135.65	137.66		138.13	0.019883	3.63	7.43	5.66	0.83
CALCINARE	CALCINARE	8.1000*	Max WS	17.15	135.49	137.58		138.03	0.018552	3.61	7.52	5.47	0.81
CALCINARE	CALCINARE	8	Max WS	16.41	135.32	137.54		137.93	0.016337	3.51	7.71	5.31	0.76
CALCINARE	CALCINARE	7.8000*	Max WS	15.52	135.26	137.56		137.83	0.010892	2.96	8.84	5.77	0.63
CALCINARE	CALCINARE	7.650		Lat Struct									
CALCINARE	CALCINARE	7.61		Lat Struct									
CALCINARE	CALCINARE	7.6000*	Max WS	14.61	135.20	137.59		137.77	0.007227	2.49	10.07	6.20	0.52
CALCINARE	CALCINARE	7.4000*	Max WS	13.66	135.13	137.61		137.73	0.004850	2.10	11.34	6.64	0.43
CALCINARE	CALCINARE	7.2000*	Max WS	12.64	135.07	137.63		137.71	0.003252	1.77	12.65	7.07	0.35
CALCINARE	CALCINARE	7	Max WS	11.42	135.01	137.65		137.70	0.002118	1.46	14.01	7.50	0.29
CALCINARE	CALCINARE	6.5000*	Max WS	10.33	134.99	137.65		137.70	0.001519	1.23	14.14	7.50	0.24
CALCINARE	CALCINARE	6	Max WS	9.10	134.97	137.66		137.70	0.001031	1.01	14.33	7.50	0.20
CALCINARE	CALCINARE	5.50 Opera intubata v		Culvert									
CALCINARE	CALCINARE	5	Max WS	10.39	134.65	136.16	136.11	136.53	0.024669	3.40	5.17	6.52	0.89
CALCINARE	CALCINARE	4.5		Lat Struct									
CALCINARE	CALCINARE	4.3		Lat Struct									
CALCINARE	CALCINARE	4	Max WS	10.39	134.60	136.12		136.47	0.023391	3.34	5.25	6.43	0.87
CALCINARE	CALCINARE	3.7500*	Max WS	10.39	134.52	136.02	136.02	136.38	0.023806	3.34	5.30	6.87	0.87
CALCINARE	CALCINARE	3.5000*	Max WS	10.34	134.42	135.92	135.93	136.28	0.024376	3.33	5.31	7.12	0.88
CALCINARE	CALCINARE	3.2500*	Max WS	10.27	134.32	135.82	135.83	136.17	0.024578	3.30	5.32	7.22	0.88
CALCINARE	CALCINARE	3	Max WS	10.17	134.22	135.73		136.05	0.023419	3.17	5.45	7.34	0.85
CALCINARE	CALCINARE	2.9855*	Max WS	10.15	134.20	135.71		136.03	0.023415	3.17	5.42	7.33	0.85
CALCINARE	CALCINARE	2.9710*	Max WS	10.13	134.18	135.69		136.01	0.023379	3.16	5.40	7.31	0.85
CALCINARE	CALCINARE	2.9565*	Max WS	10.10	134.16	135.66	135.66	135.99	0.023342	3.16	5.36	7.30	0.84
CALCINARE	CALCINARE	2.9420*	Max WS	10.08	134.13	135.64	135.63	135.97	0.023340	3.15	5.34	7.29	0.84
CALCINARE	CALCINARE	2.9275*	Max WS	10.07	134.11	135.62	135.61	135.95	0.023367	3.15	5.31	7.27	0.85
CALCINARE	CALCINARE	2.9130*	Max WS	10.07	134.09	135.59	135.59	135.93	0.023437	3.15	5.28	7.26	0.85
CALCINARE	CALCINARE	2.8986*	Max WS	10.06	134.07	135.57	135.57	135.90	0.023514	3.15	5.25	7.24	0.85
CALCINARE	CALCINARE	2.8841*	Max WS	10.04	134.05	135.54	135.55	135.88	0.023551	3.15	5.21	7.23	0.85
CALCINARE	CALCINARE	2.8696*	Max WS	10.04	134.03	135.52	135.53	135.86	0.023640	3.15	5.19	7.21	0.85
CALCINARE	CALCINARE	2.8551*	Max WS	10.04	134.01	135.49	135.50	135.84	0.023765	3.15	5.15	7.20	0.85
CALCINARE	CALCINARE	2.8408		Lat Struct									
CALCINARE	CALCINARE	2.8407		Lat Struct									
CALCINARE	CALCINARE	2.8406*	Max WS	10.04	133.98	135.47	135.48	135.82	0.023865	3.16	5.12	7.18	0.85
CALCINARE	CALCINARE	2.8261*	Max WS	10.04	133.96	135.45	135.46	135.80	0.023939	3.16	5.09	7.17	0.85
CALCINARE	CALCINARE	2.8116*	Max WS	10.03	133.94	135.42	135.44	135.78	0.024049	3.16	5.06	7.16	0.86
CALCINARE	CALCINARE	2.7971*	Max WS	10.02	133.92	135.40	135.41	135.76	0.024118	3.16	5.03	7.14	0.86
CALCINARE	CALCINARE	2.7859		Lat Struct									
CALCINARE	CALCINARE	2.7858		Lat Struct									
CALCINARE	CALCINARE	2.7826*	Max WS	10.02	133.90	135.37	135.36	135.73	0.024057	3.15	5.01	7.06	0.86
CALCINARE	CALCINARE	2.7681*	Max WS	10.02	133.88	135.35	135.32	135.71	0.024005	3.14	4.98	6.96	0.85
CALCINARE	CALCINARE	2.7536*	Max WS	10.02	133.86	135.32	135.29	135.69	0.023928	3.13	4.96	6.87	0.85
CALCINARE	CALCINARE	2.7391*	Max WS	10.01	133.83	135.30	135.27	135.66	0.023763	3.12	4.95	6.78	0.85
CALCINARE	CALCINARE	2.7246*	Max WS	10.01	133.81	135.28	135.24	135.64	0.023656	3.10	4.93	6.70	0.85
CALCINARE	CALCINARE	2.7101*	Max WS	9.63	133.79	135.25	135.19	135.59	0.021721	2.97	4.92	6.63	0.81
CALCINARE	CALCINARE	2.6957*	Max WS	9.63	133.77	135.23		135.56	0.021462	2.95	4.92	6.58	0.81
CALCINARE	CALCINARE	2.6812*	Max WS	9.62	133.75	135.21		135.54	0.021081	2.93	4.93	6.53	0.80
CALCINARE	CALCINARE	2.6667*	Max WS	9.59	133.73	135.19		135.51	0.020662	2.90	4.94	6.49	0.79
CALCINARE	CALCINARE	2.6522*	Max WS	9.58	133.71	135.17		135.49	0.020266	2.87	4.95	6.45	0.78
CALCINARE	CALCINARE	2.6377*	Max WS	9.01	133.68	135.16		135.43	0.017435	2.67	4.99	6.43	0.73
CALCINARE	CALCINARE	2.6232*	Max WS	9.01	133.66	135.14		135.41	0.016878	2.64	5.04	6.42	0.72
CALCINARE	CALCINARE	2.6087*	Max WS	9.01	133.64	135.13		135.39	0.016330	2.60	5.09	6.41	0.71
CALCINARE	CALCINARE	2.5942*	Max WS	9.01	133.62	135.12		135.37	0.015756	2.57	5.15	6.41	0.69
CALCINARE	CALCINARE	2.5797*	Max WS	9.02	133.60	135.10		135.35	0.015190	2.53	5.21	6.41	0.68
CALCINARE	CALCINARE	2.5652*	Max WS	9.02	133.58	135.09		135.33	0.014603	2.49	5.28	6.42	0.67
CALCINARE	CALCINARE	2.5507*	Max WS	9.02	133.56	135.08		135.31	0.014021	2.45	5.35	6.43	0.66
CALCINARE	CALCINARE	2.5362*	Max WS	9.02	133.53	135.07		135.30	0.013456	2.41	5.43	6.49	0.64
CALCINARE	CALCINARE	2.5217*	Max WS	9.02	133.51	135.06		135.28	0.012895	2.38	5.51	6.55	0.63
CALCINARE	CALCINARE	2.5072*	Max WS	9.02	133.49	135.05		135.26	0.012318	2.34	5.60	6.61	0.62
CALCINARE	CALCINARE	2.4928*	Max WS	9.02	133.47	135.04		135.25	0.011742	2.29	5.70	6.67	0.60
CALCINARE	CALCINARE	2.4783*	Max WS	9.03	133.45	135.04		135.23	0.011200	2.25	5.80	6.74	0.59
CALCINARE	CALCINARE	2.4638*	Max WS	9.03	133.43	135.03		135.22	0.010657	2.21	5.91	6.80	0.58
CALCINARE	CALCINARE	2.4493*	Max WS	5.36	133.40	135.03		135.09	0.003544	1.29	6.04	6.84	0.33
CALCINARE	CALCINARE	2.4348*	Max WS	5.36	133.38	135.02		135.09	0.003304	1.25	6.19	6.85	0.32
CALCINARE	CALCINARE	2.4203*	Max WS	5.35	133.36	135.02		135.08	0.003087	1.22	6.34	6.85	0.31

HEC-RAS Plan: S0_TR200* Profile: Max WS (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
CALCINARE	CALCINARE	2.3043*	Max WS	5.23	133.19	135.02		135.06	0.001803	1.00	7.51	6.85	0.24
CALCINARE	CALCINARE	2.2899*	Max WS	5.22	133.17	135.02		135.05	0.001696	0.97	7.66	6.84	0.24
CALCINARE	CALCINARE	2.2754*	Max WS	5.22	133.15	135.02		135.05	0.001598	0.95	7.81	6.84	0.23
CALCINARE	CALCINARE	2.2609*	Max WS	5.21	133.13	135.02		135.05	0.001506	0.93	7.96	6.83	0.22
CALCINARE	CALCINARE	2.2464*	Max WS	5.20	133.10	135.02		135.05	0.001424	0.91	8.10	6.83	0.22
CALCINARE	CALCINARE	2.2319*	Max WS	5.19	133.08	135.02		135.05	0.001346	0.89	8.24	6.82	0.21
CALCINARE	CALCINARE	2.2174*	Max WS	5.19	133.06	135.02		135.05	0.001273	0.88	8.39	6.81	0.21
CALCINARE	CALCINARE	2.2029*	Max WS	5.18	133.04	135.01		135.04	0.001207	0.86	8.53	6.80	0.20
CALCINARE	CALCINARE	2.1884*	Max WS	5.18	133.02	135.01		135.04	0.001148	0.84	8.67	6.79	0.20
CALCINARE	CALCINARE	2.1739*	Max WS	5.18	133.00	135.01		135.04	0.001093	0.83	8.82	6.78	0.19
CALCINARE	CALCINARE	2.1594*	Max WS	5.19	132.98	135.01		135.04	0.001043	0.82	8.96	6.77	0.19
CALCINARE	CALCINARE	2.1449*	Max WS	5.20	132.95	135.01		135.04	0.001000	0.81	9.09	6.76	0.19
CALCINARE	CALCINARE	2.1304*	Max WS	5.21	132.93	135.01		135.04	0.000960	0.79	9.23	6.75	0.18
CALCINARE	CALCINARE	2.1159*	Max WS	5.23	132.91	135.01		135.04	0.000923	0.78	9.37	6.73	0.18
CALCINARE	CALCINARE	2.1015*	Max WS	5.24	132.89	135.01		135.03	0.000886	0.77	9.50	6.72	0.18
CALCINARE	CALCINARE	2.0870*	Max WS	5.26	132.87	135.01		135.03	0.000852	0.76	9.64	6.71	0.17
CALCINARE	CALCINARE	2.0725*	Max WS	5.27	132.85	135.01		135.03	0.000818	0.75	9.78	6.69	0.17
CALCINARE	CALCINARE	2.0580*	Max WS	5.29	132.83	135.01		135.03	0.000790	0.75	9.91	6.68	0.17
CALCINARE	CALCINARE	2.0435*	Max WS	5.33	132.80	135.01		135.03	0.000768	0.74	10.04	6.66	0.16
CALCINARE	CALCINARE	2.0290*	Max WS	5.40	132.78	135.01		135.03	0.000760	0.74	10.17	6.65	0.16
CALCINARE	CALCINARE	2.0145*	Max WS	5.53	132.76	135.00		135.03	0.000766	0.75	10.29	6.63	0.16
CALCINARE	CALCINARE	2	Max WS	5.71	132.74	135.00		135.02	0.000786	0.76	10.41	6.61	0.17
CALCINARE	CALCINARE	1.9093		Lat Struct									
CALCINARE	CALCINARE	1.9091*	Max WS	5.77	132.72	135.00		135.02	0.000815	0.78	10.38	6.81	0.17
CALCINARE	CALCINARE	1.8182*	Max WS	5.84	132.71	135.00		135.02	0.000858	0.81	10.28	7.01	0.18
CALCINARE	CALCINARE	1.7273*	Max WS	5.91	132.69	134.99		135.02	0.000912	0.84	10.14	7.20	0.18
CALCINARE	CALCINARE	1.6669		Lat Struct									
CALCINARE	CALCINARE	1.6668		Lat Struct									
CALCINARE	CALCINARE	1.6364*	Max WS	6.00	132.67	134.99		135.02	0.000984	0.88	9.93	7.40	0.19
CALCINARE	CALCINARE	1.5455*	Max WS	6.08	132.65	134.98		135.02	0.001072	0.93	9.67	7.59	0.20
CALCINARE	CALCINARE	1.4545*	Max WS	6.04	132.64	134.98		135.02	0.001129	0.96	9.35	7.78	0.20
CALCINARE	CALCINARE	1.3636*	Max WS	6.12	132.62	134.97		135.02	0.001247	1.02	8.98	7.98	0.21
CALCINARE	CALCINARE	1.2727*	Max WS	6.20	132.60	134.96		135.02	0.001386	1.08	8.54	8.17	0.23
CALCINARE	CALCINARE	1.1818*	Max WS	6.16	132.58	134.96		135.01	0.001484	1.13	8.04	8.36	0.24
CALCINARE	CALCINARE	1.0909*	Max WS	6.23	132.57	134.95		135.01	0.001655	1.20	7.47	8.56	0.25
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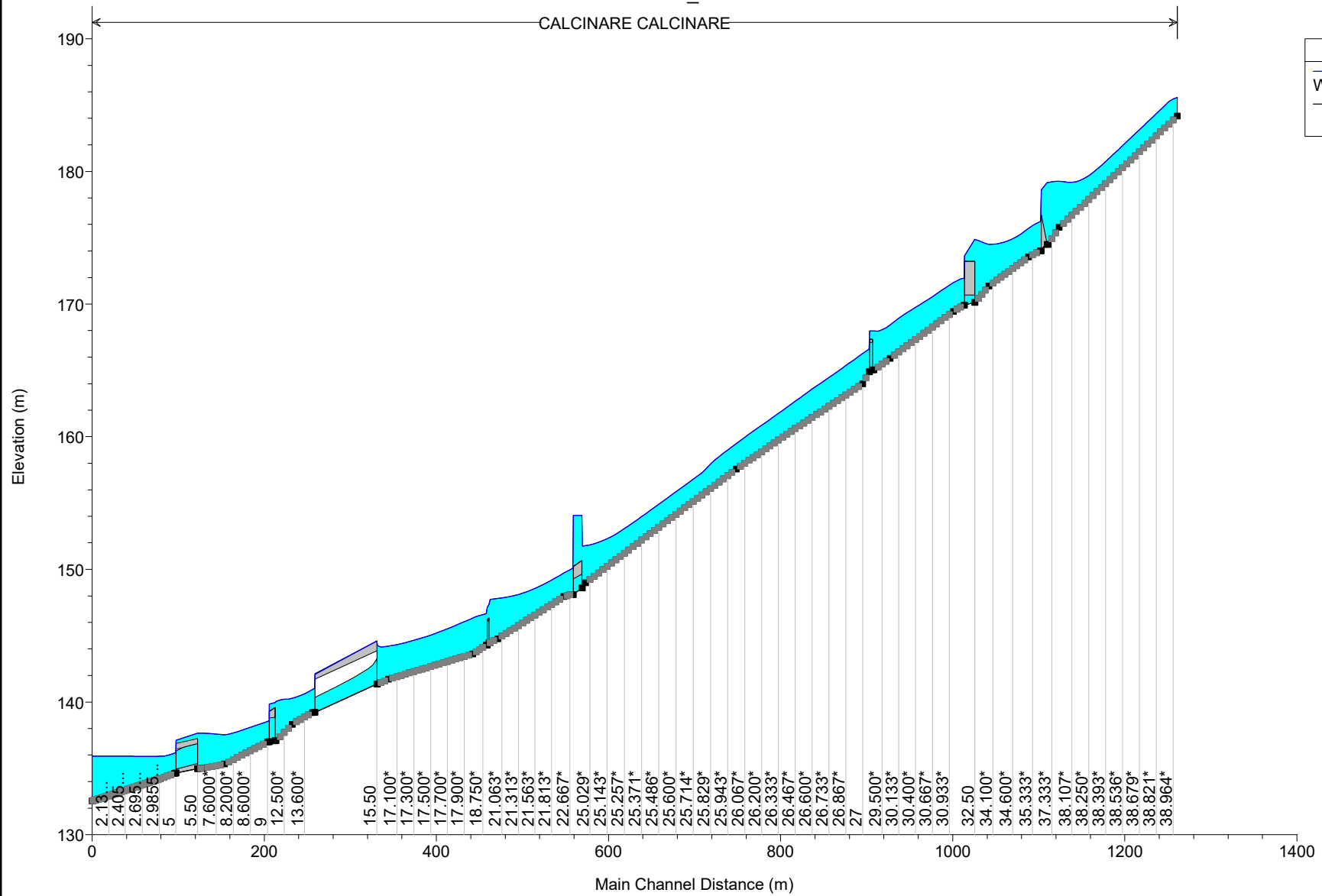
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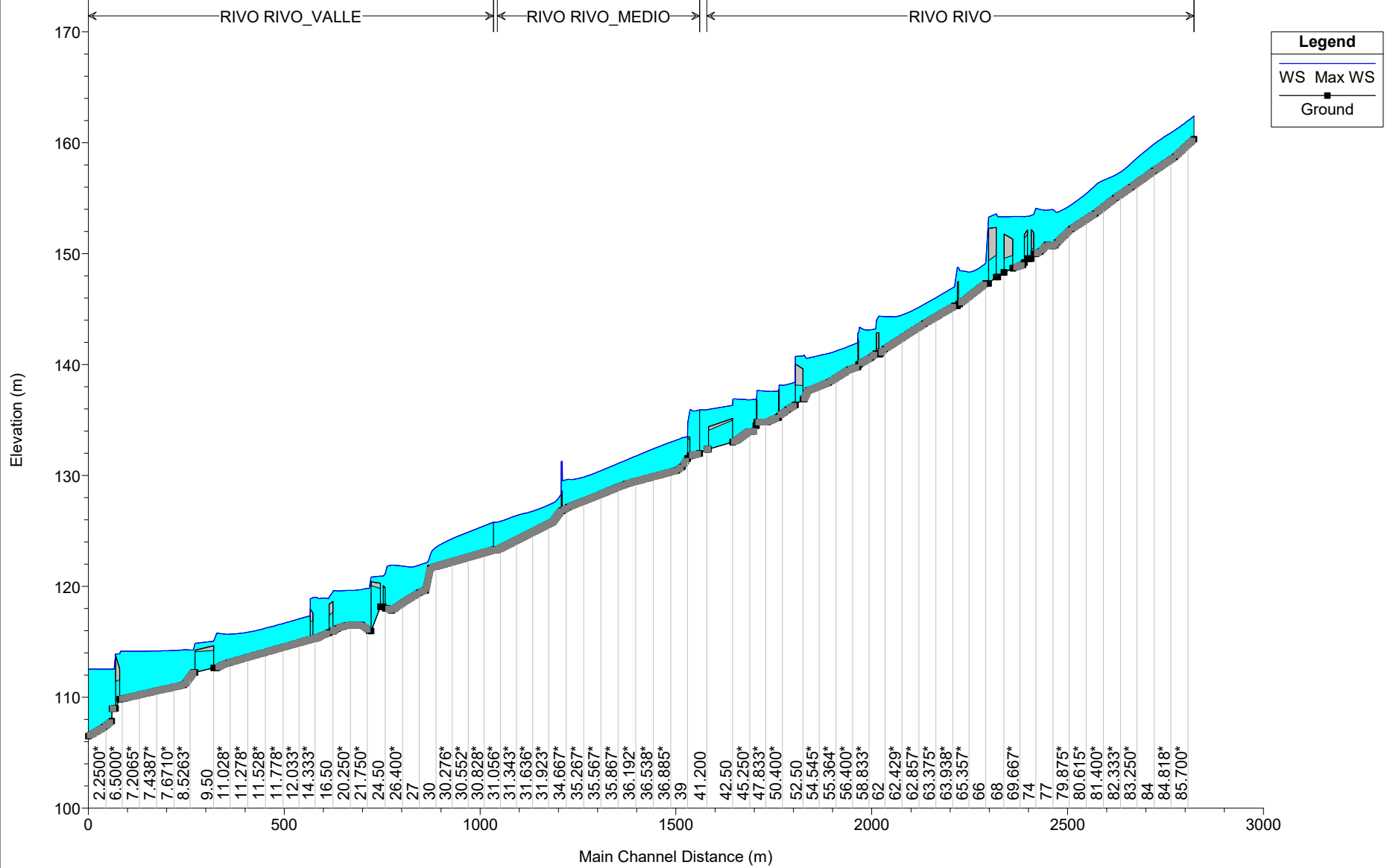
CALCINARE CALCINARE

Legend

WS Max WS

Ground





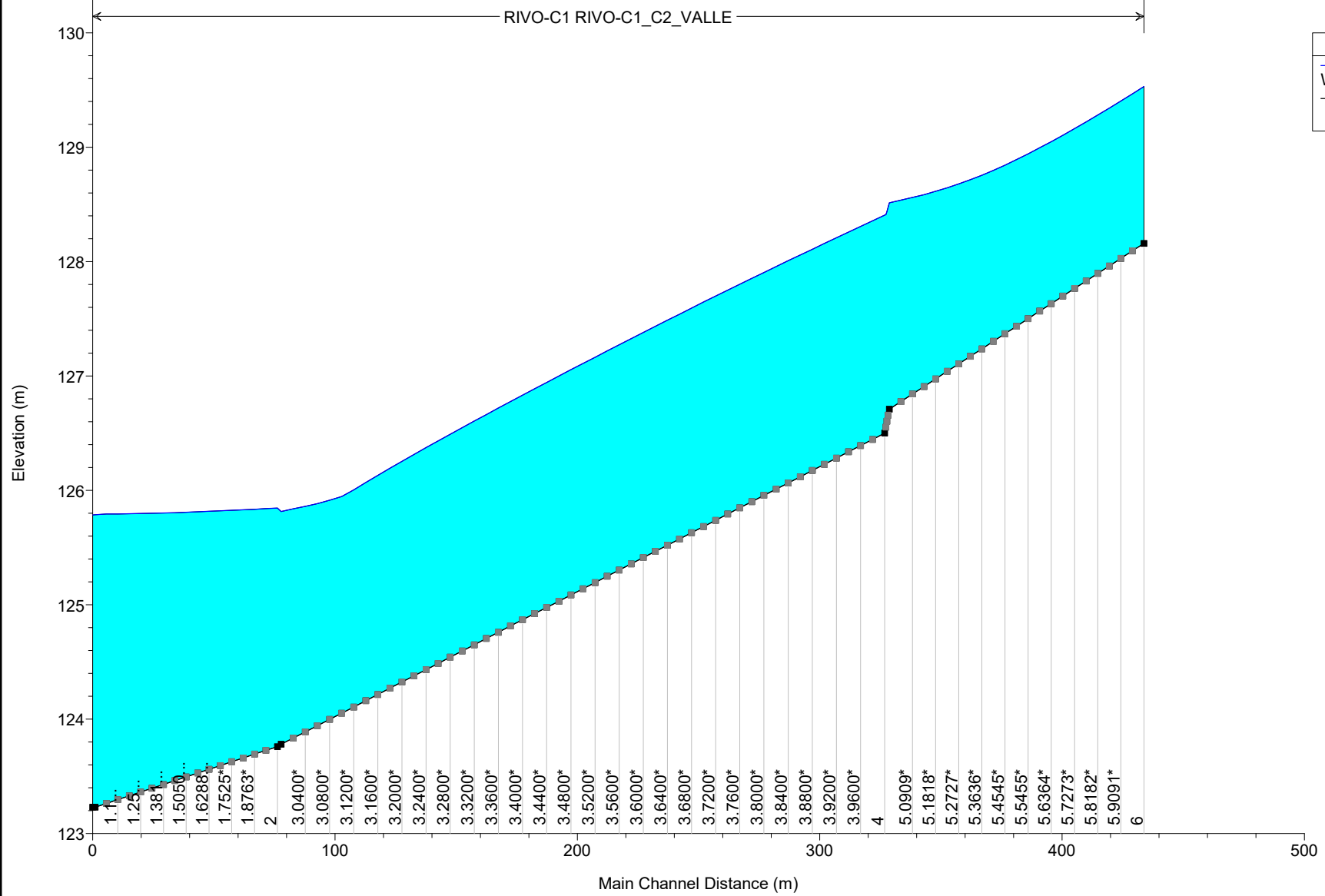
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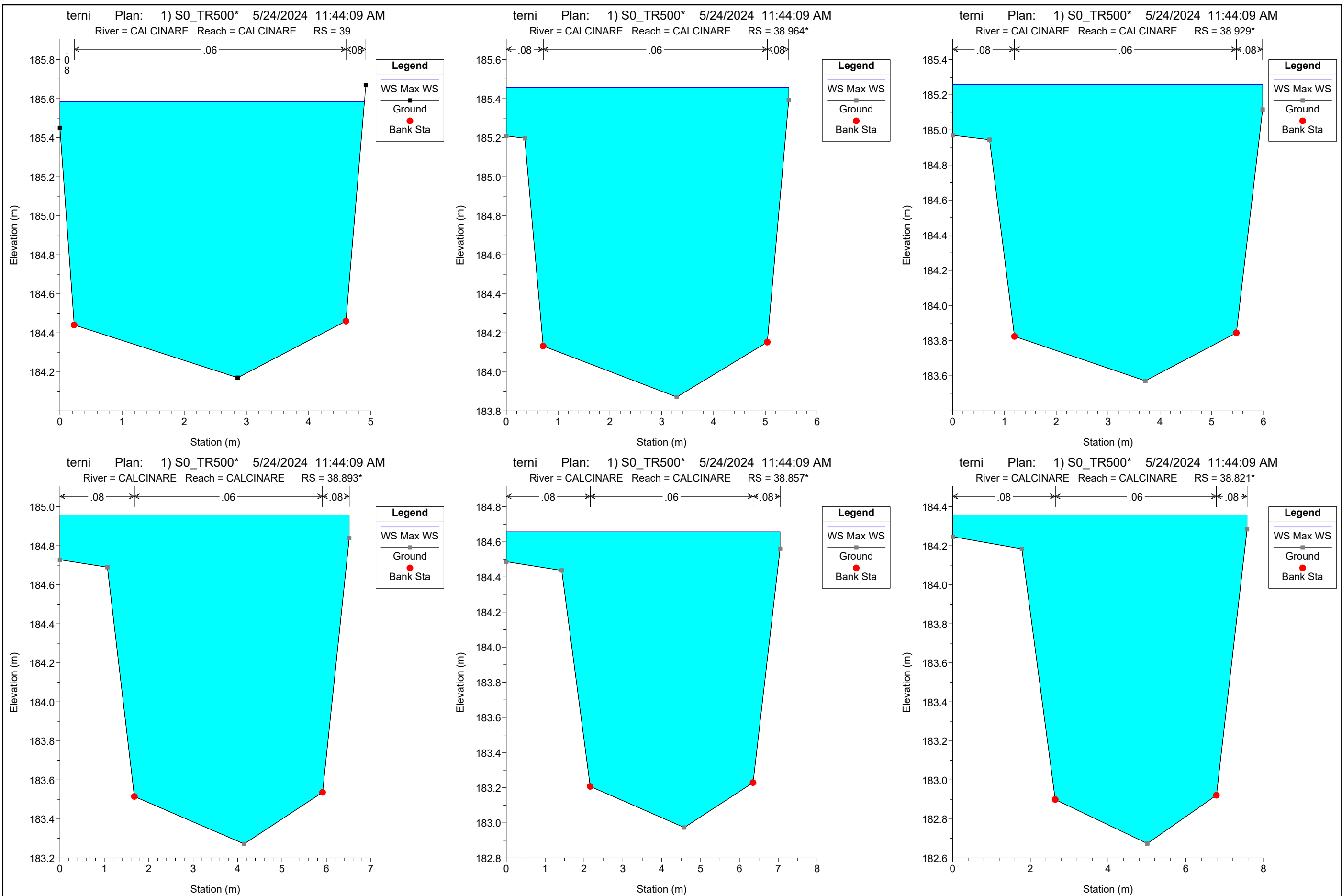
RIVO-C1 RIVO-C1_C2_VALLE

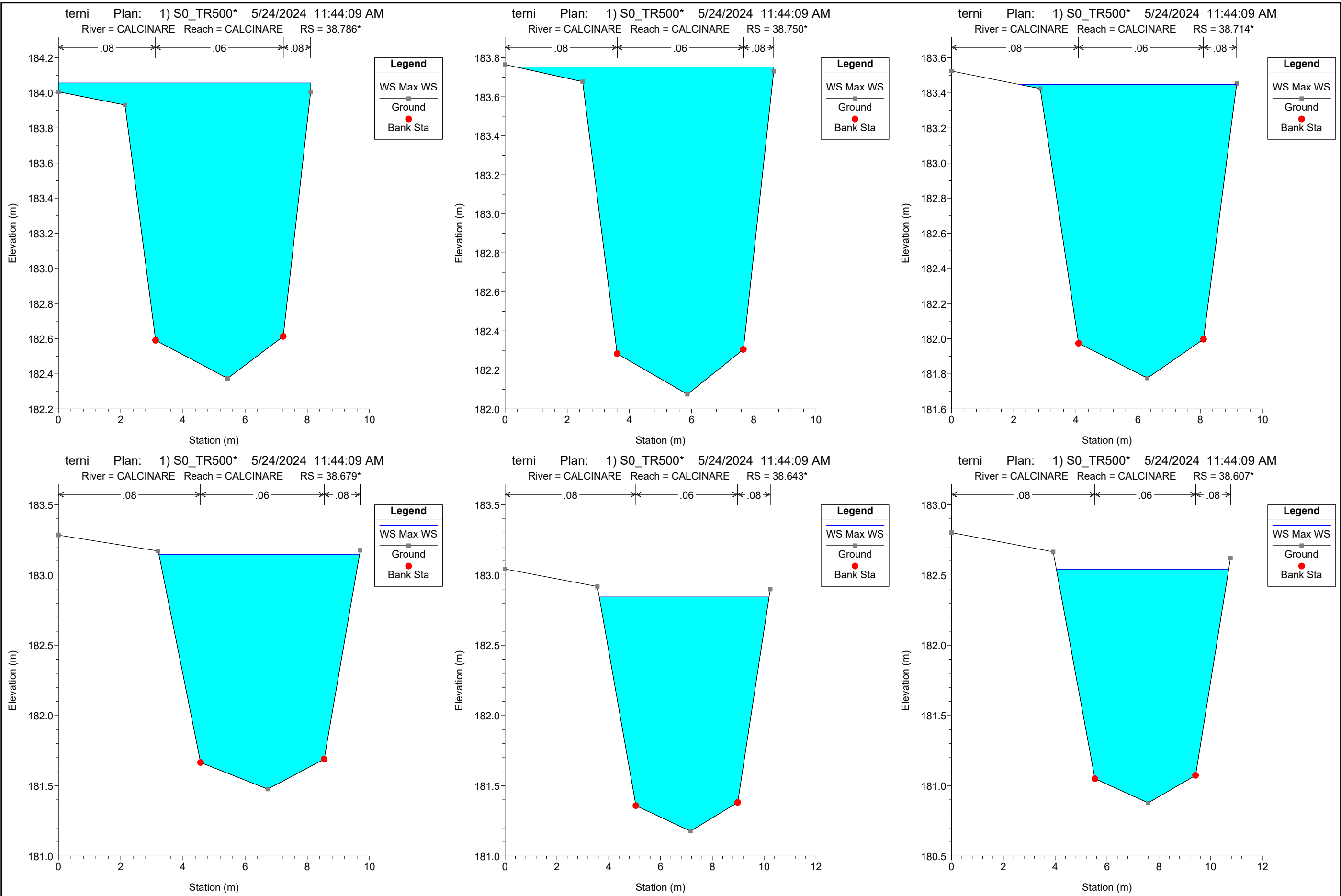
Legend

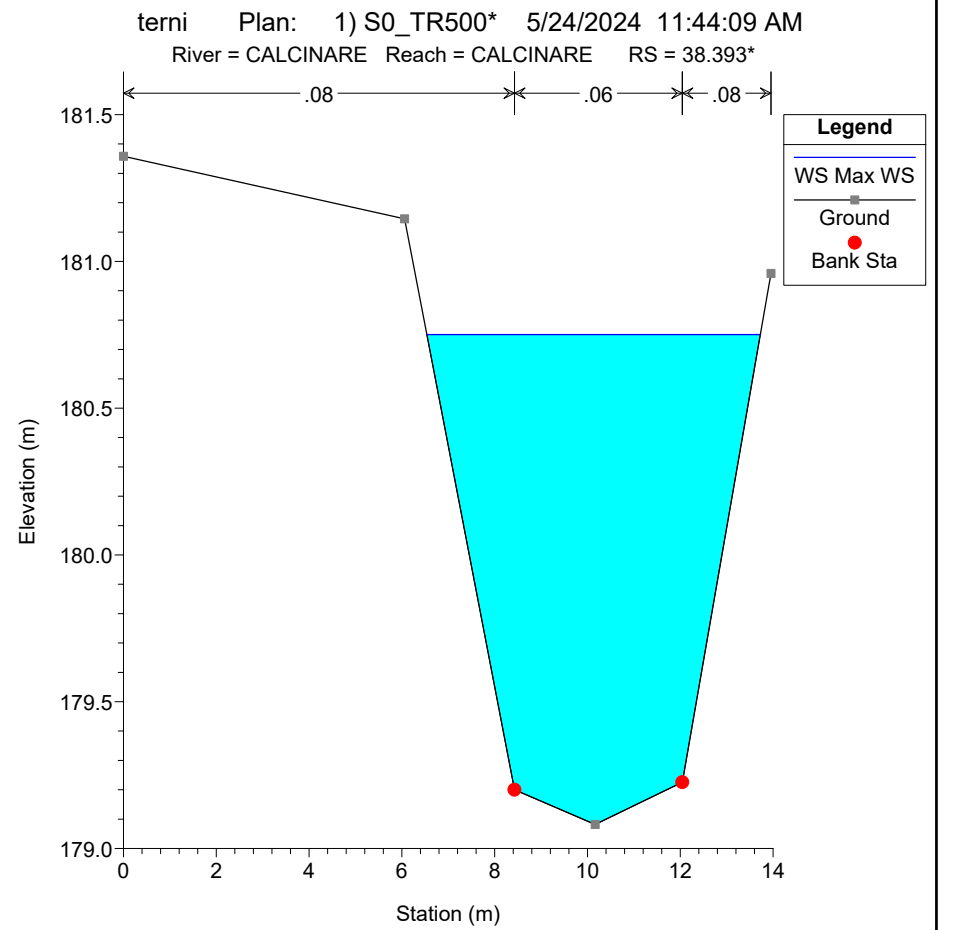
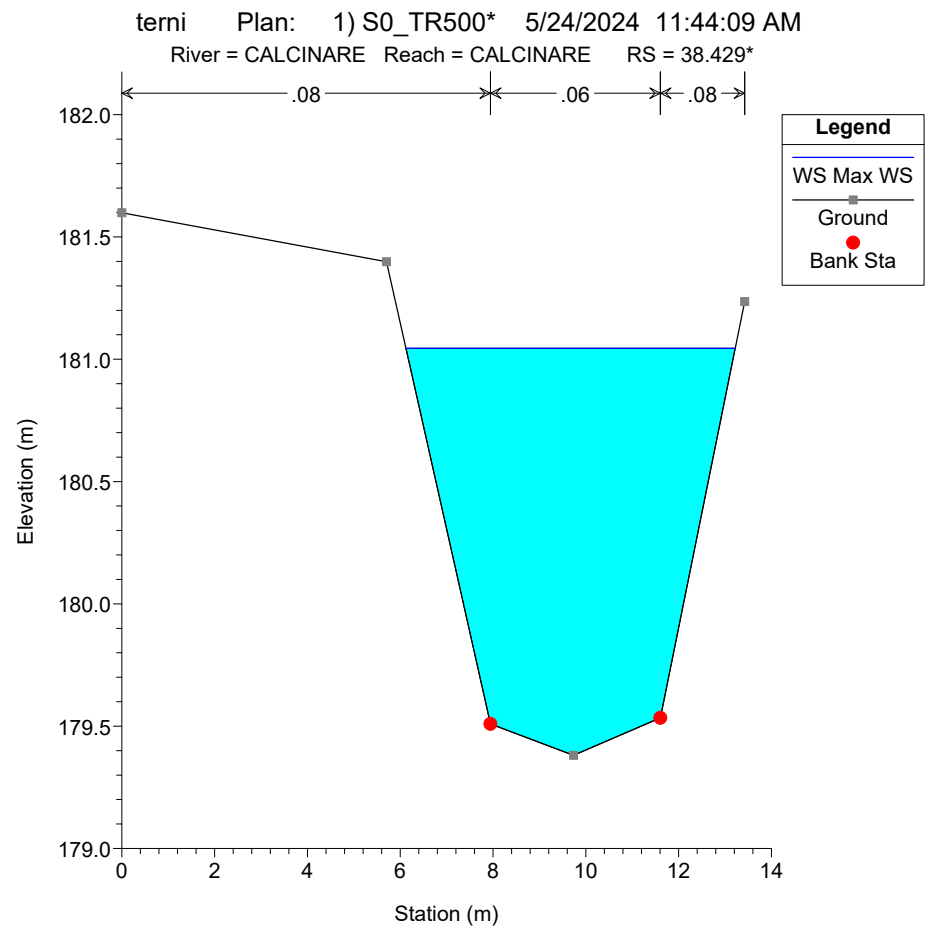
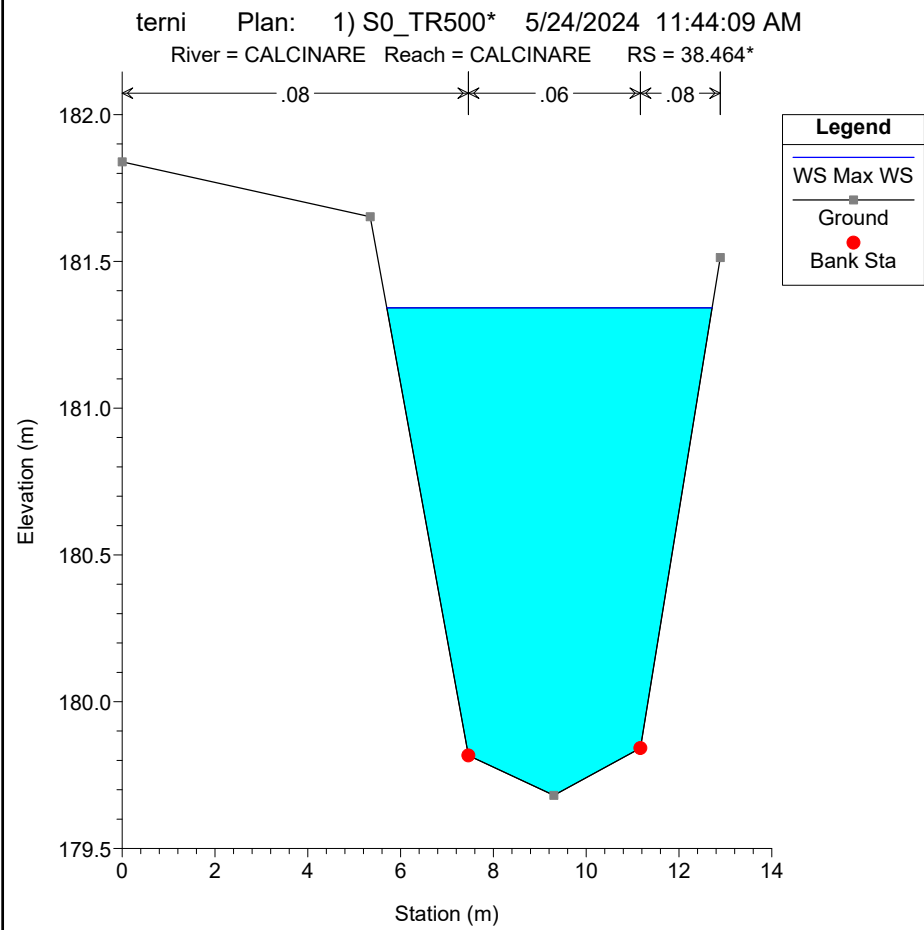
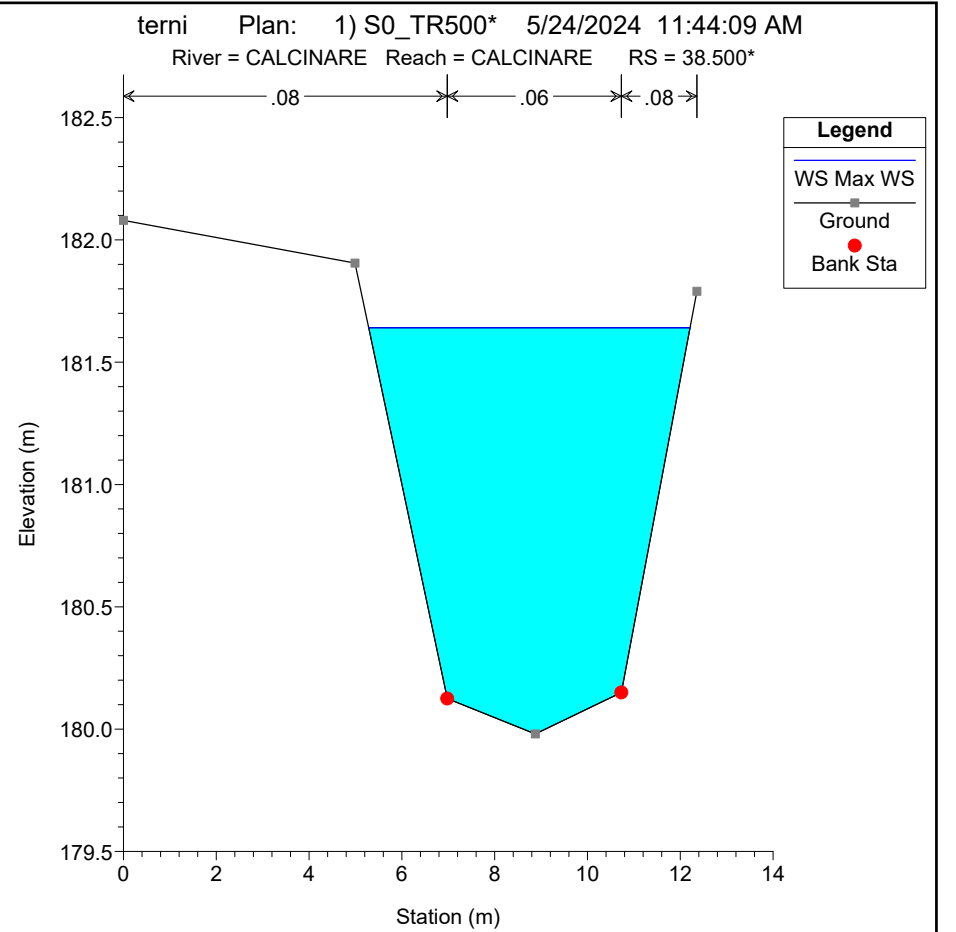
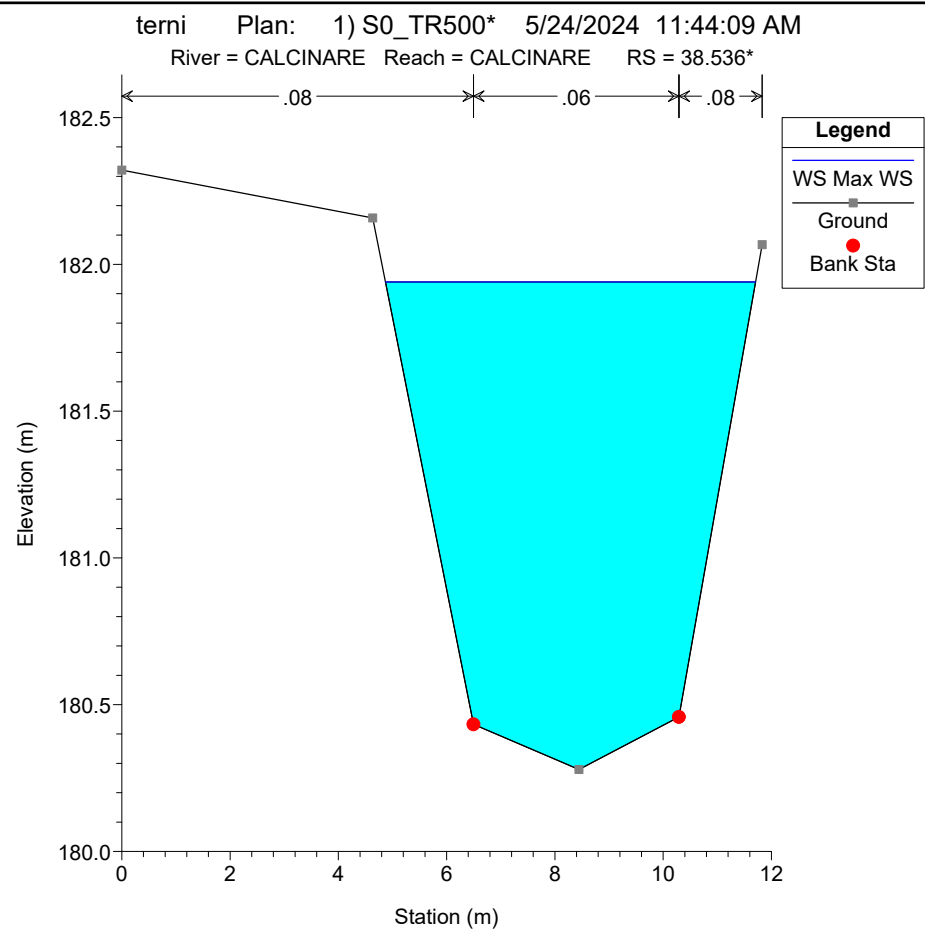
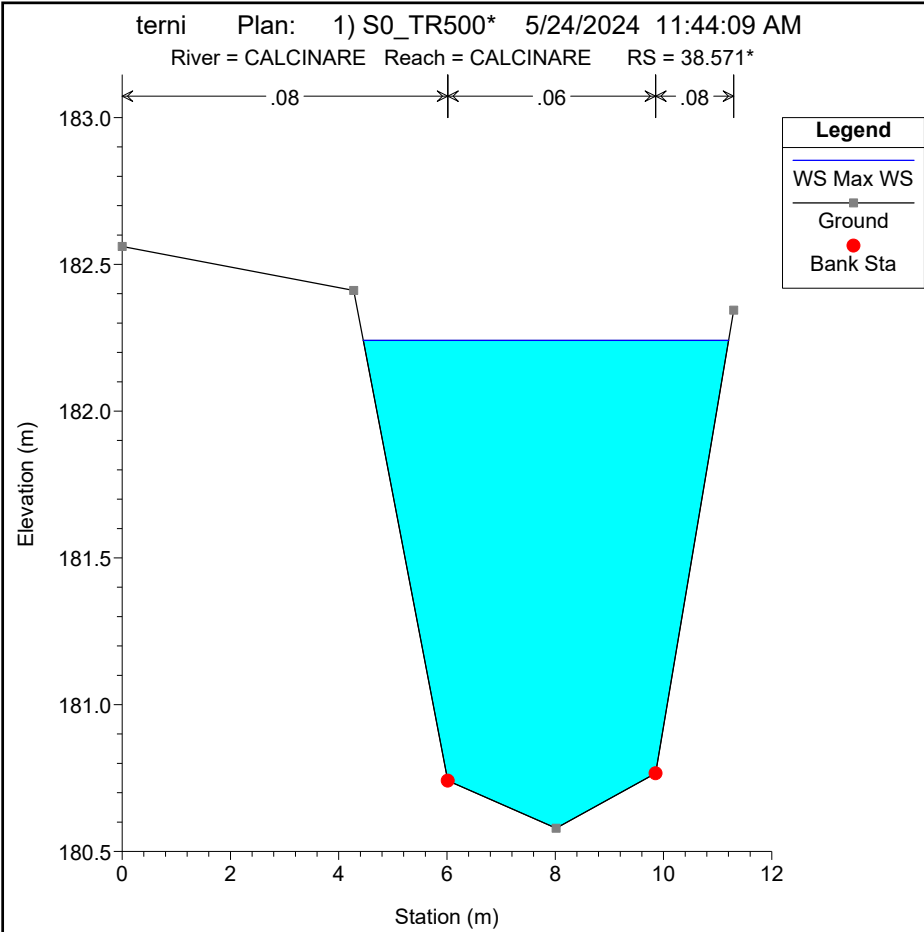
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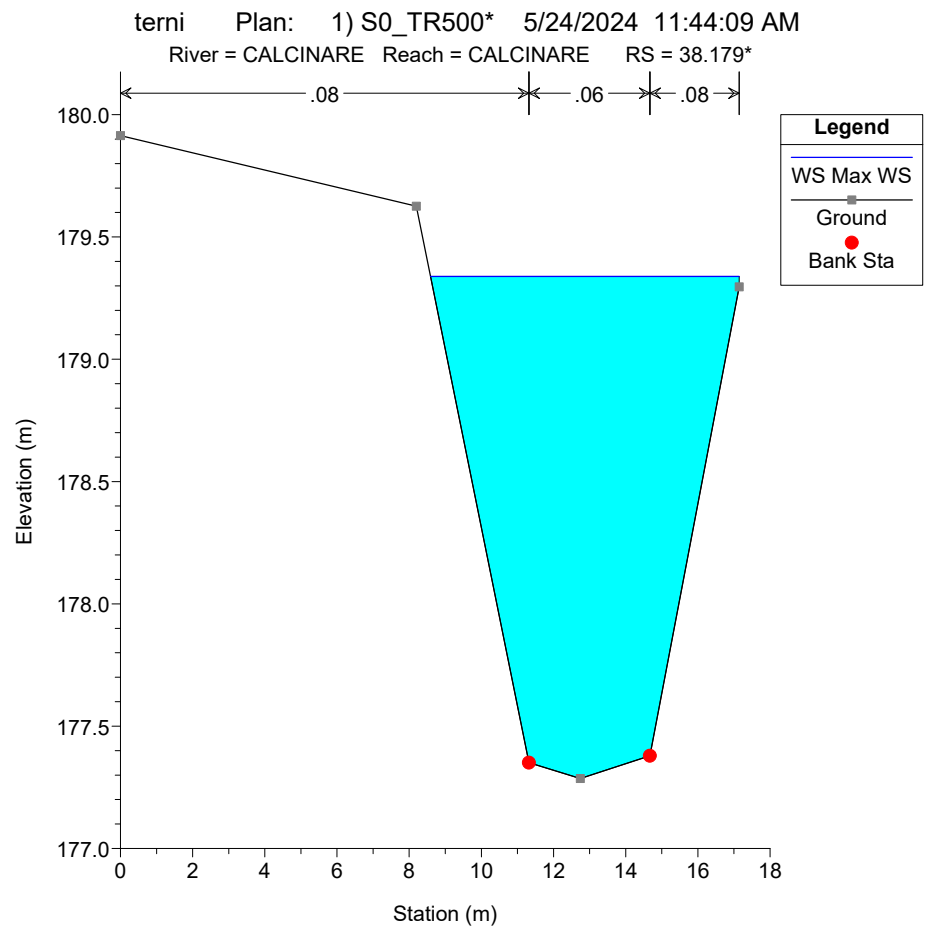
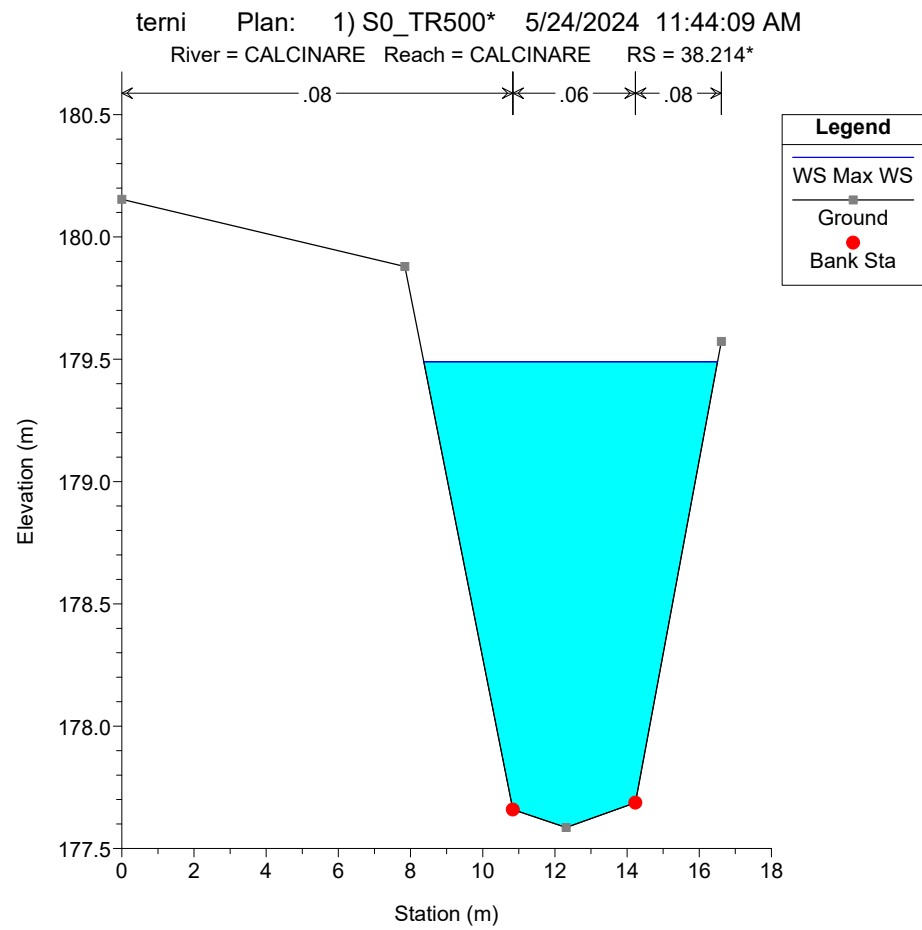
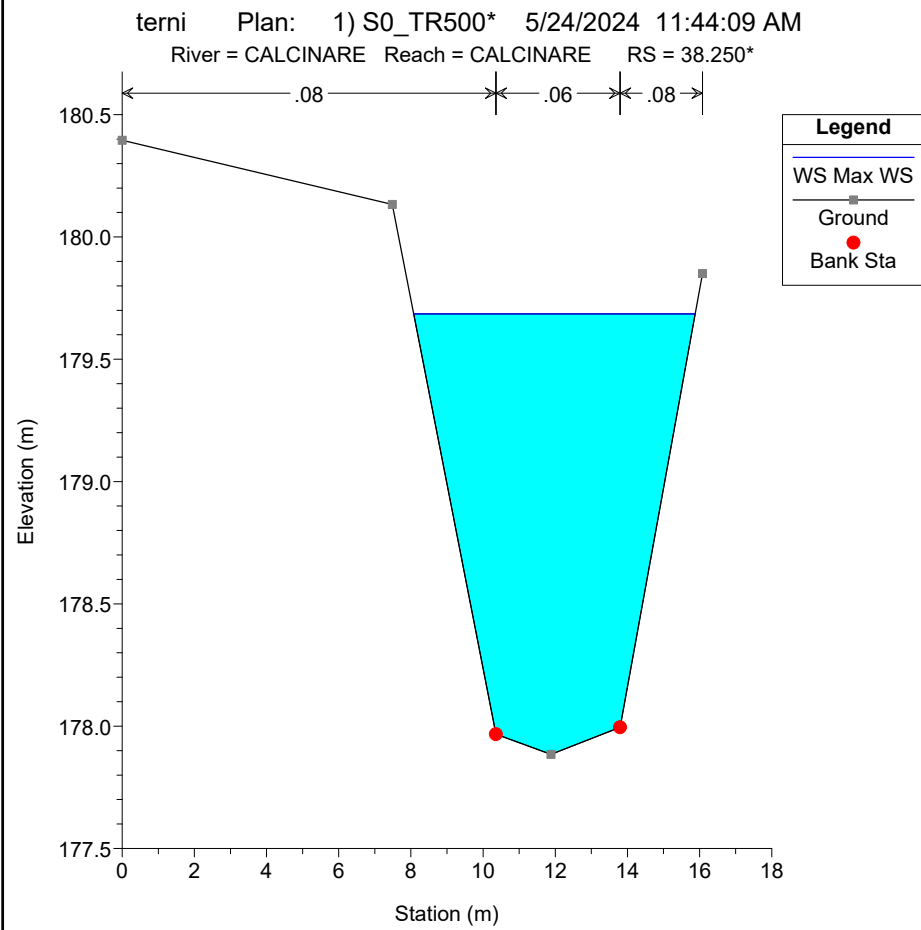
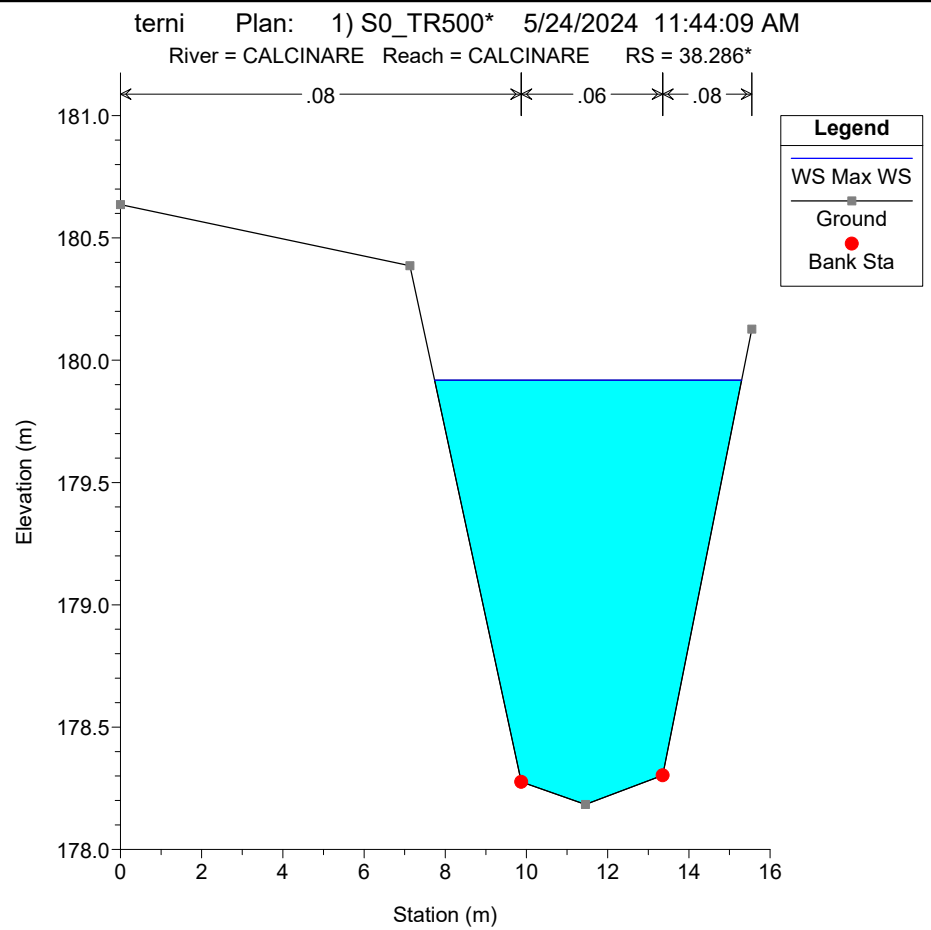
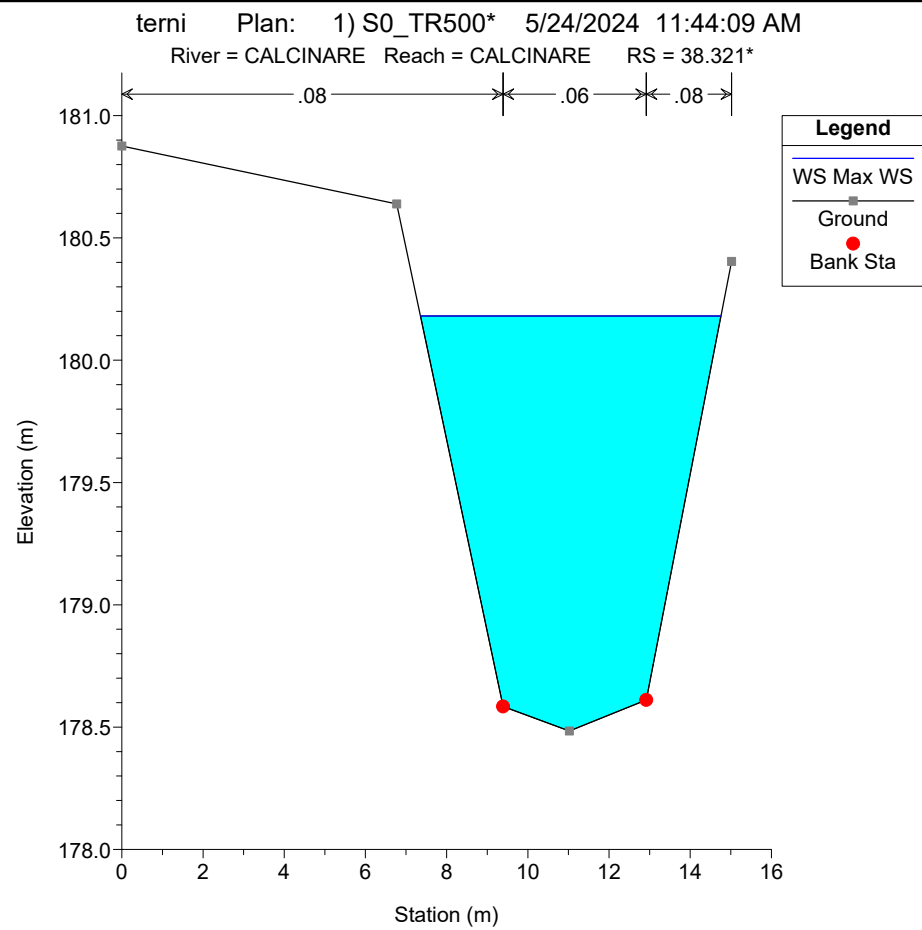
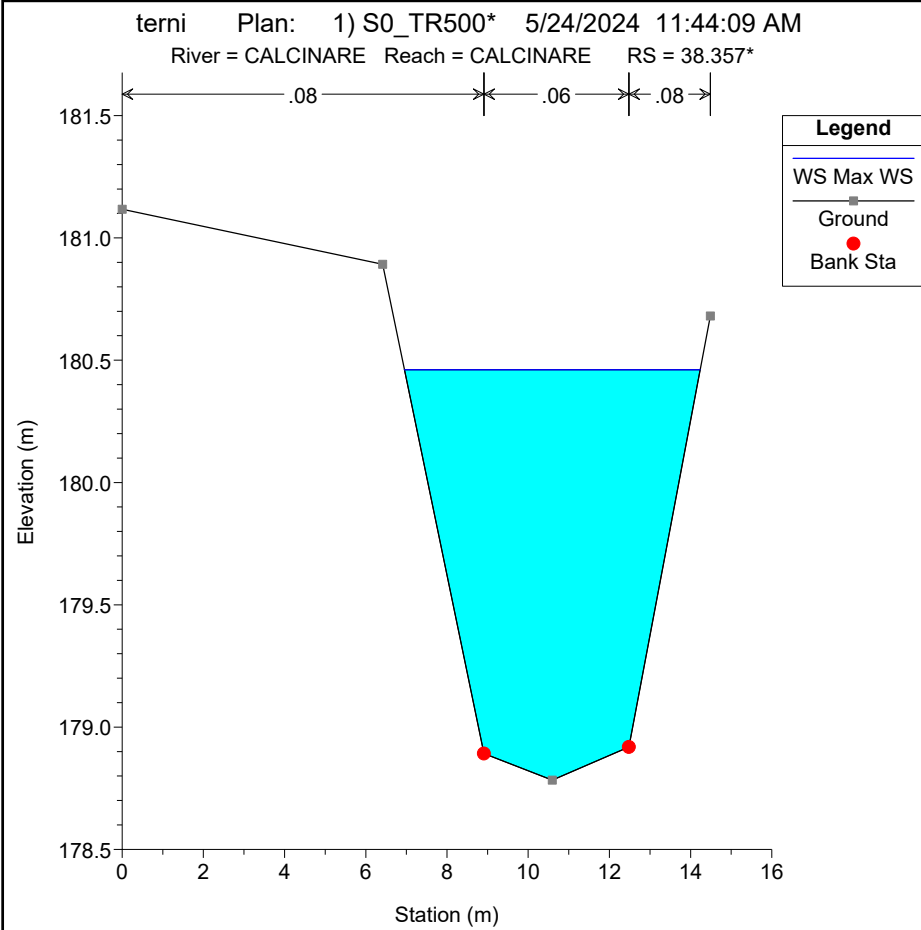
Ground

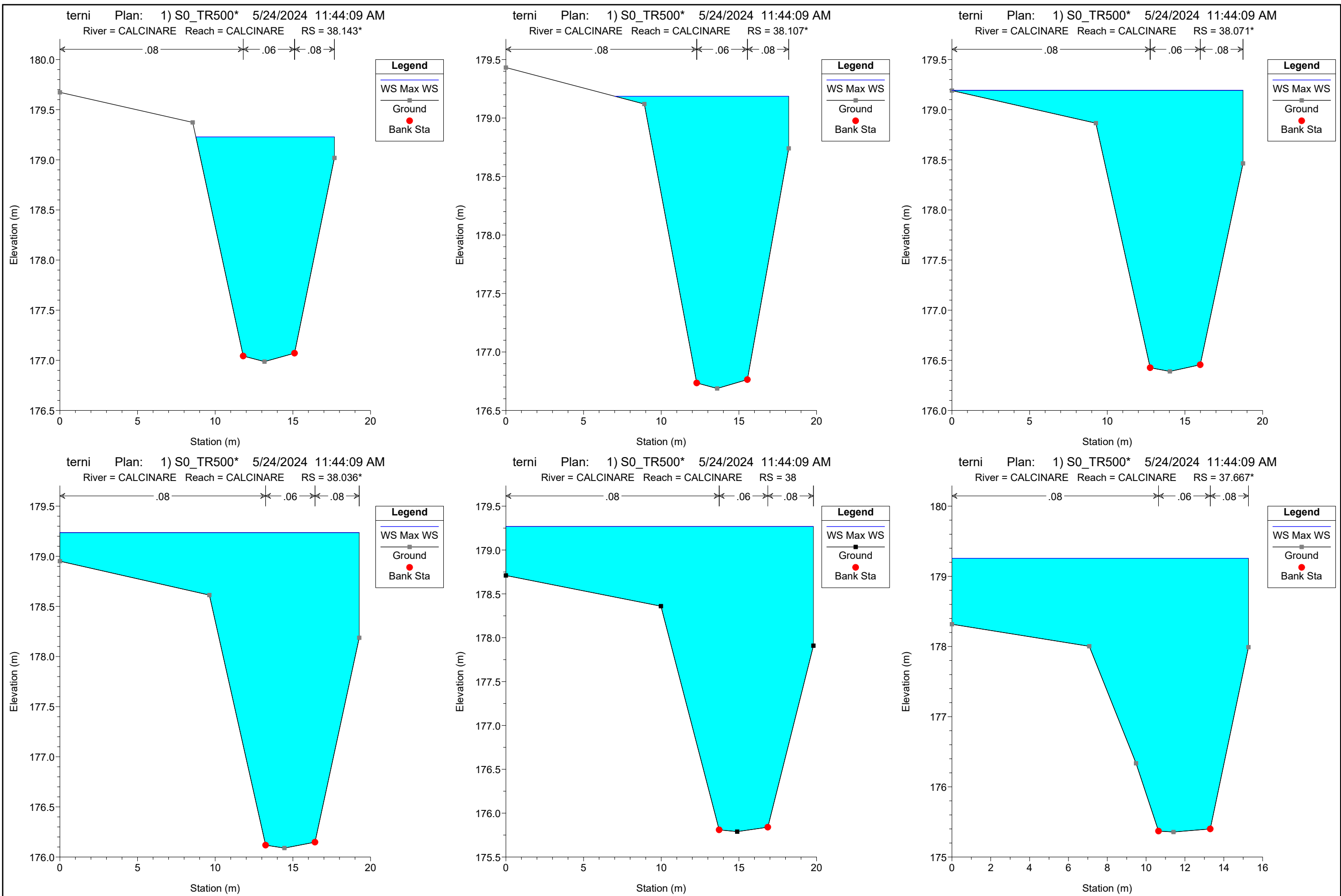


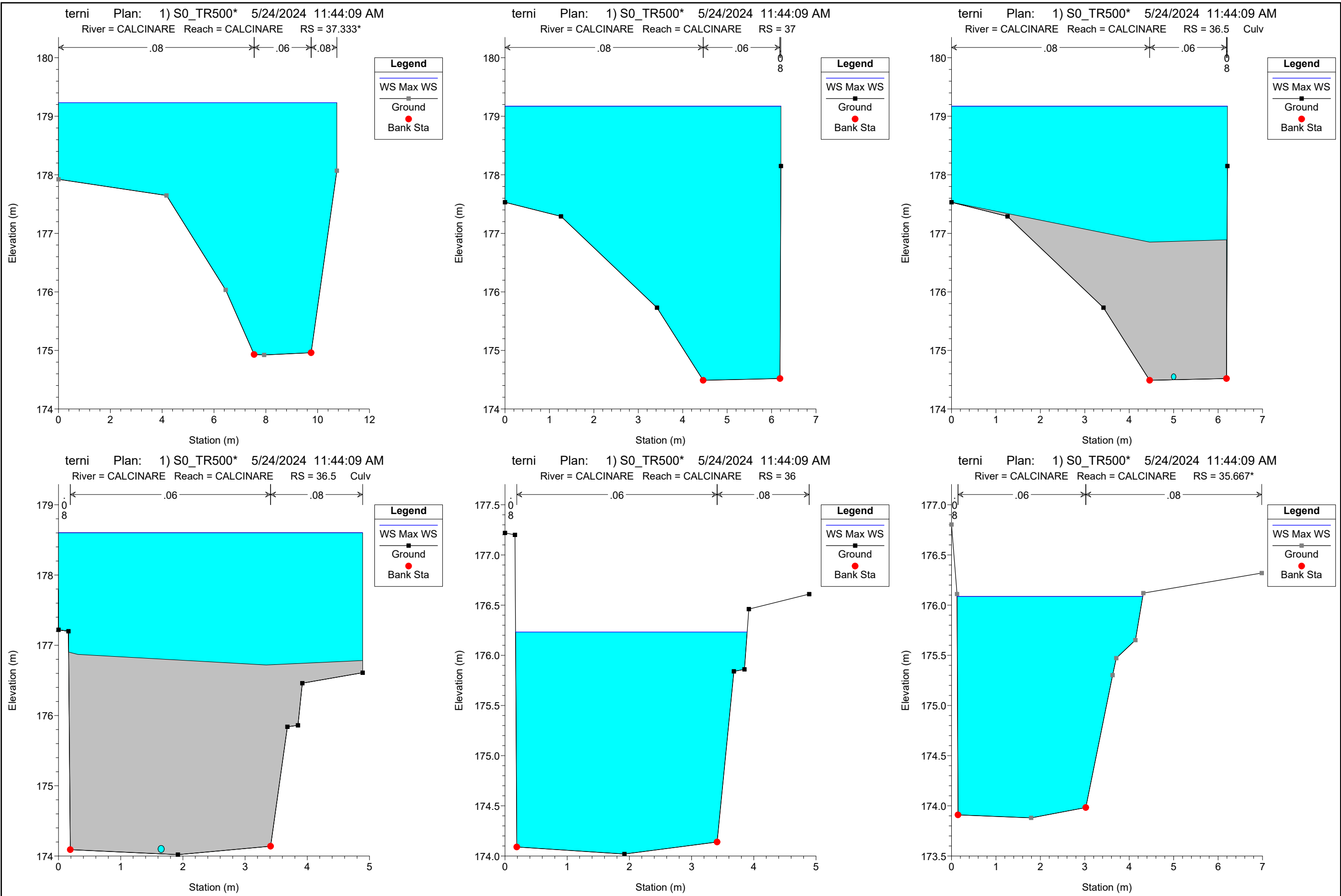


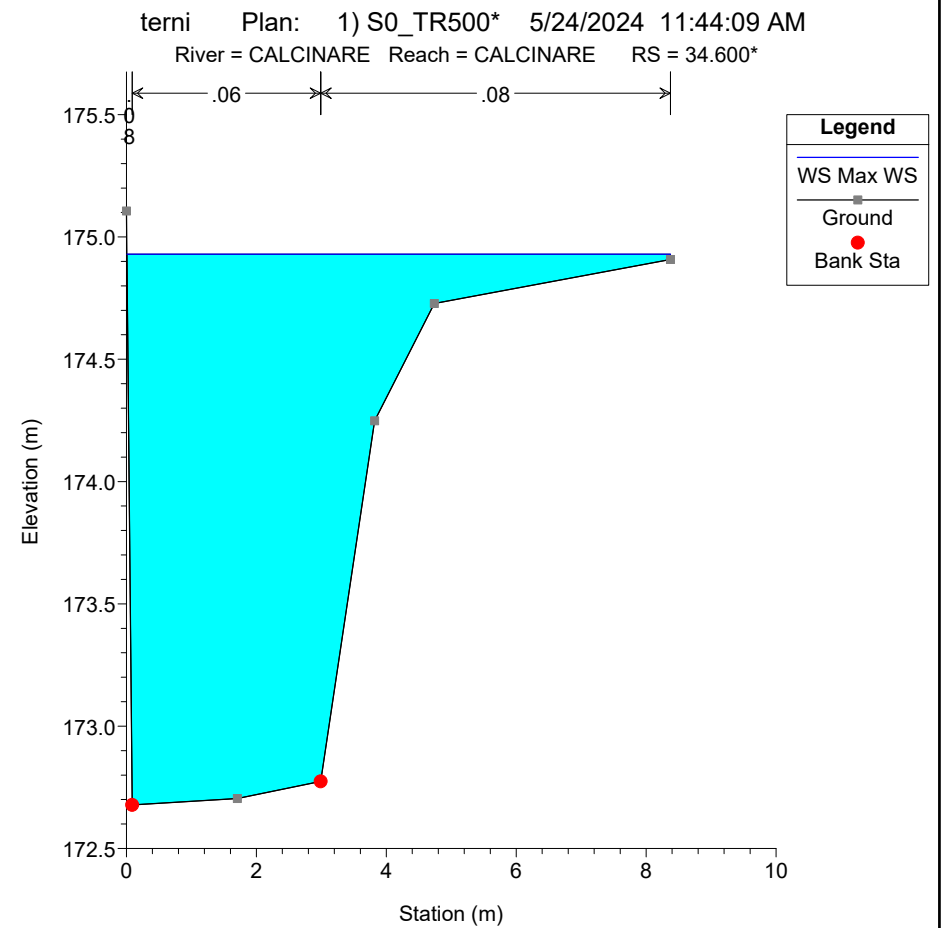


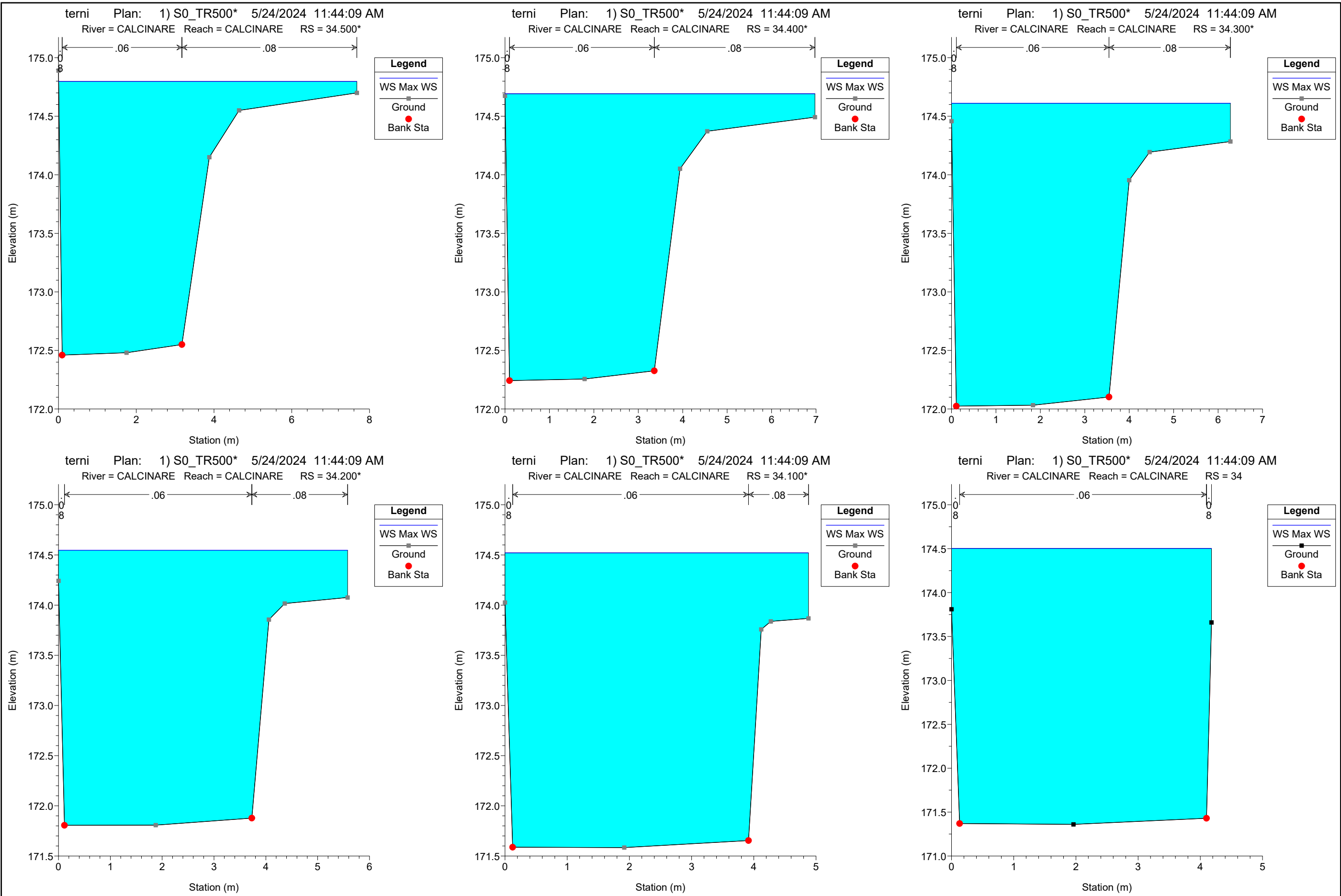


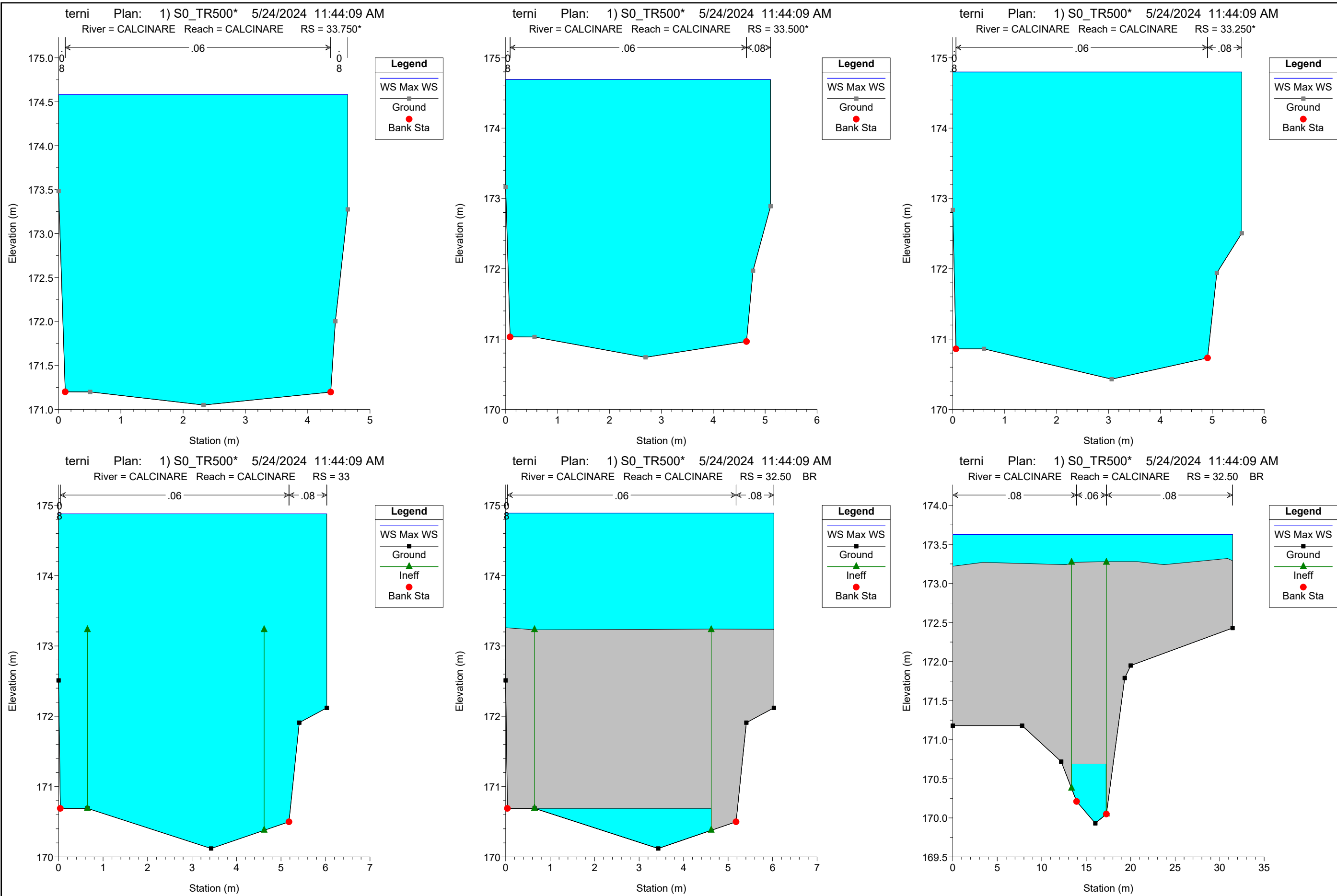


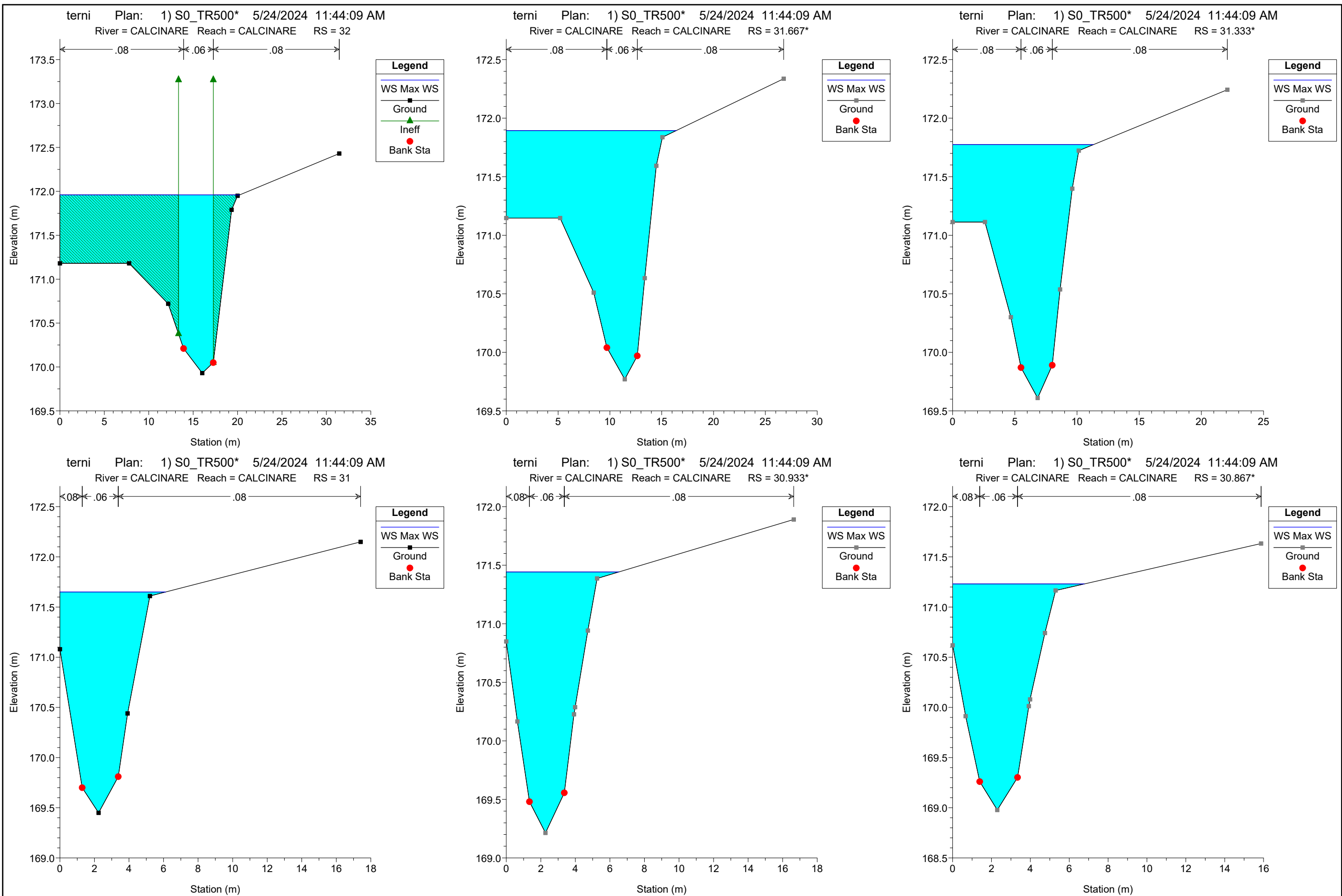


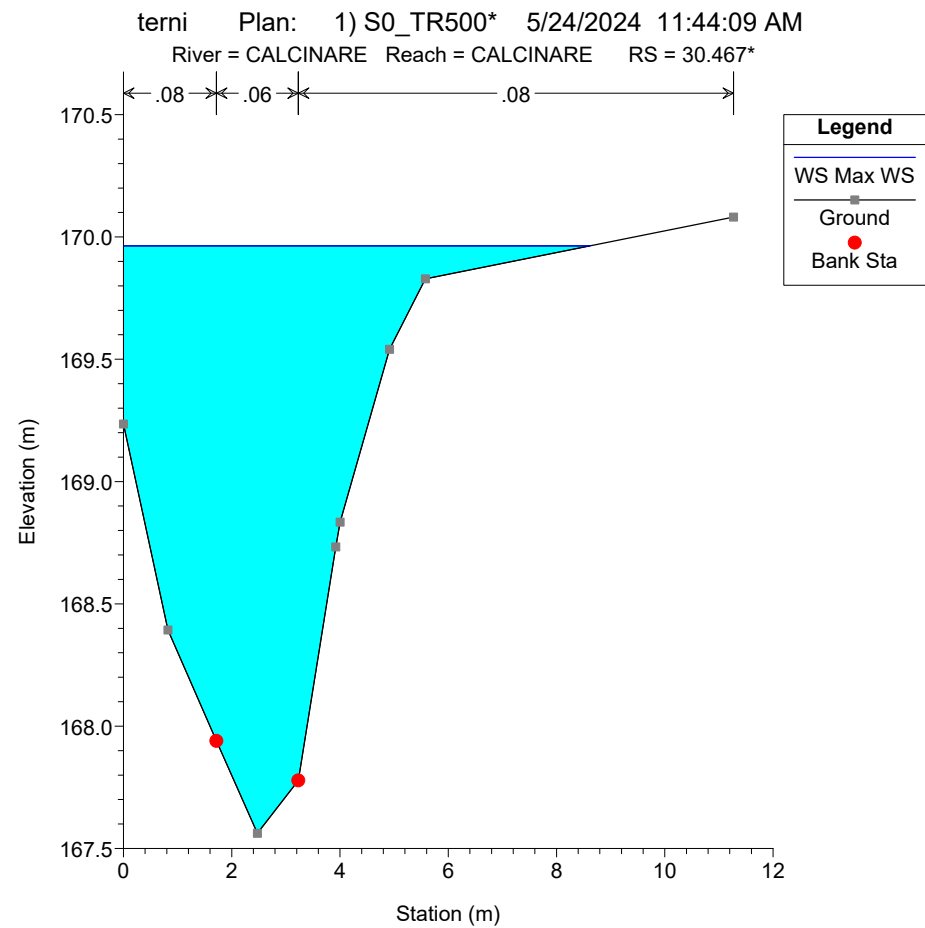
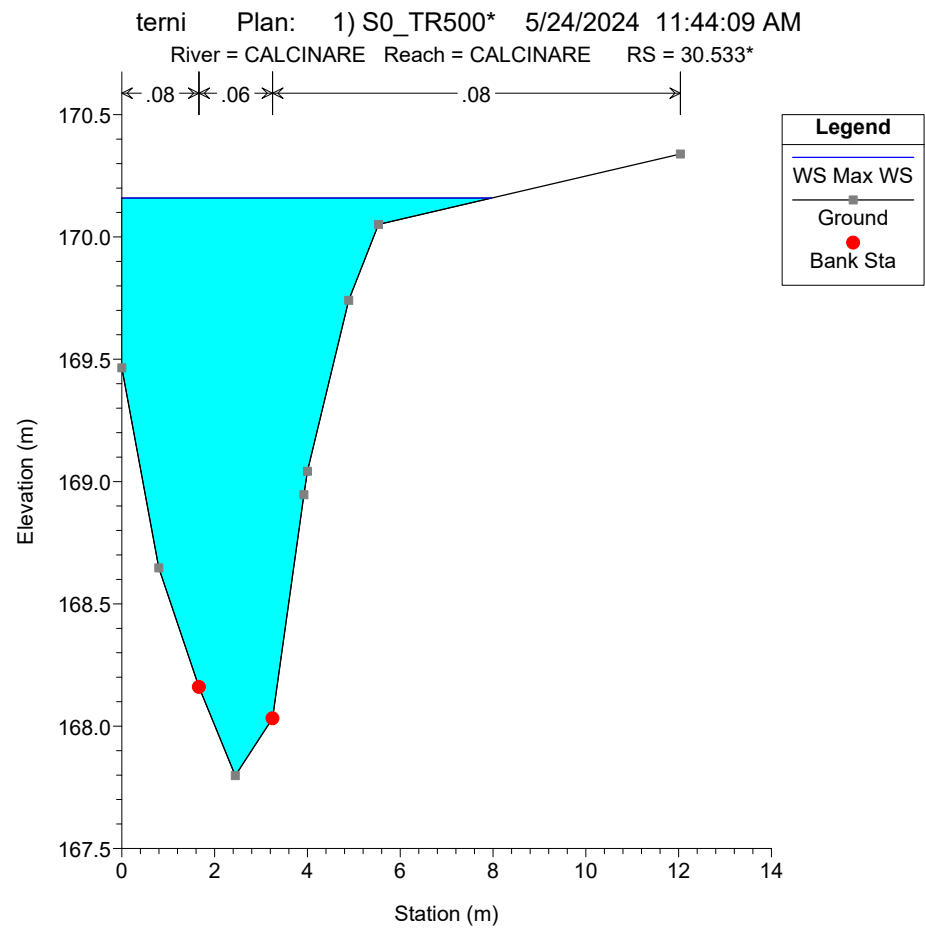
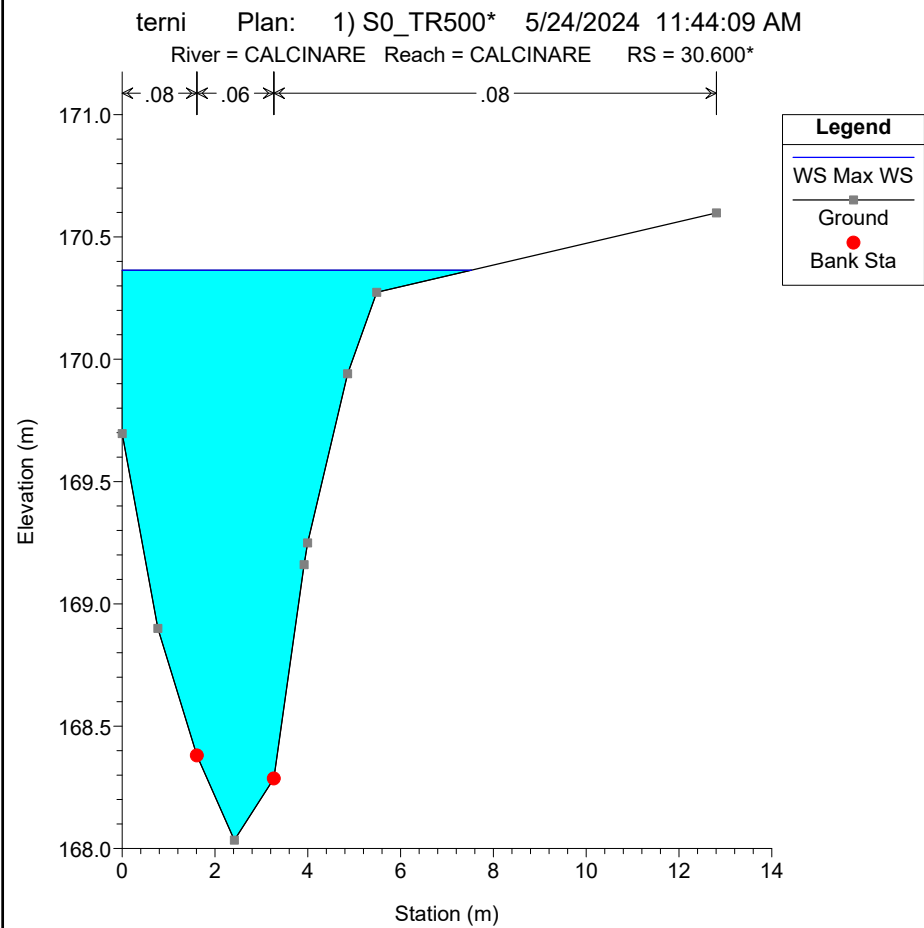
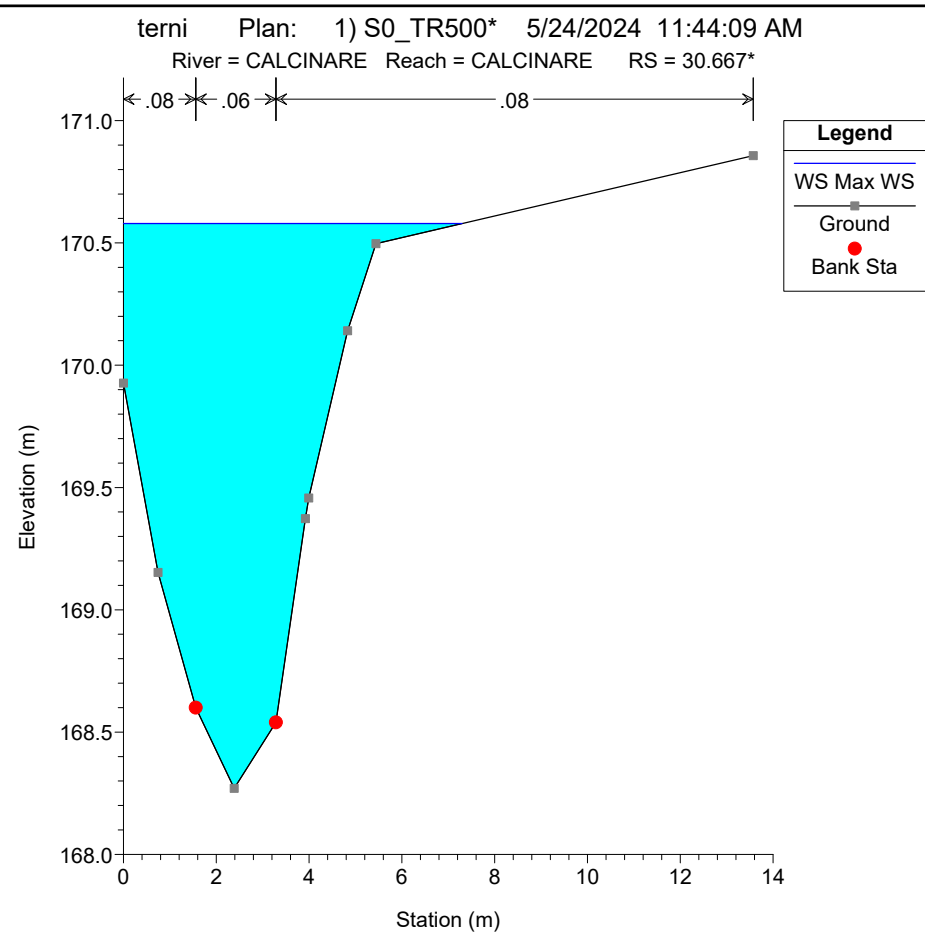
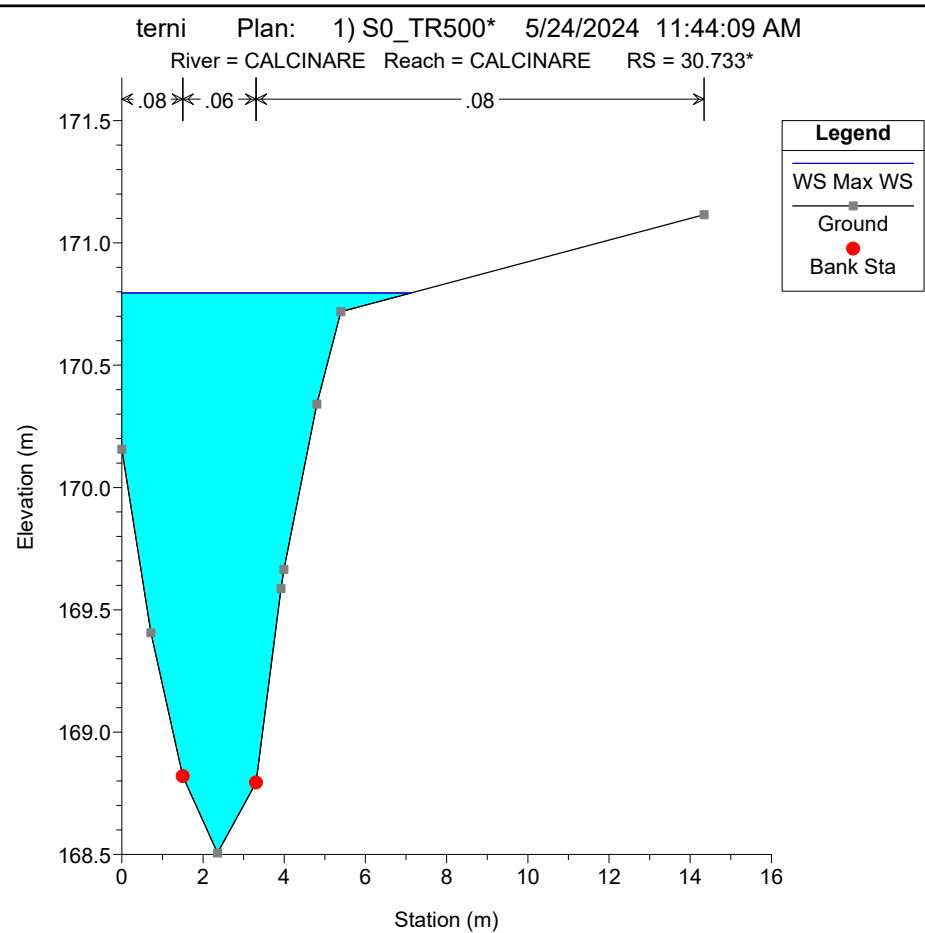
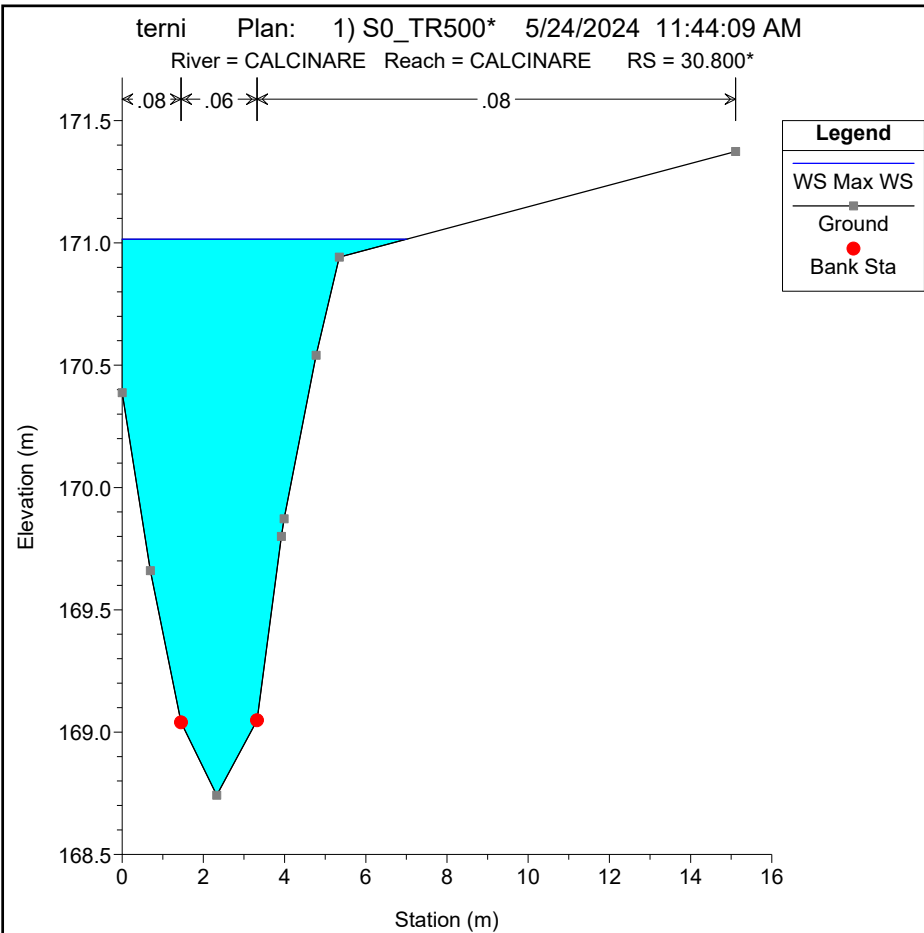


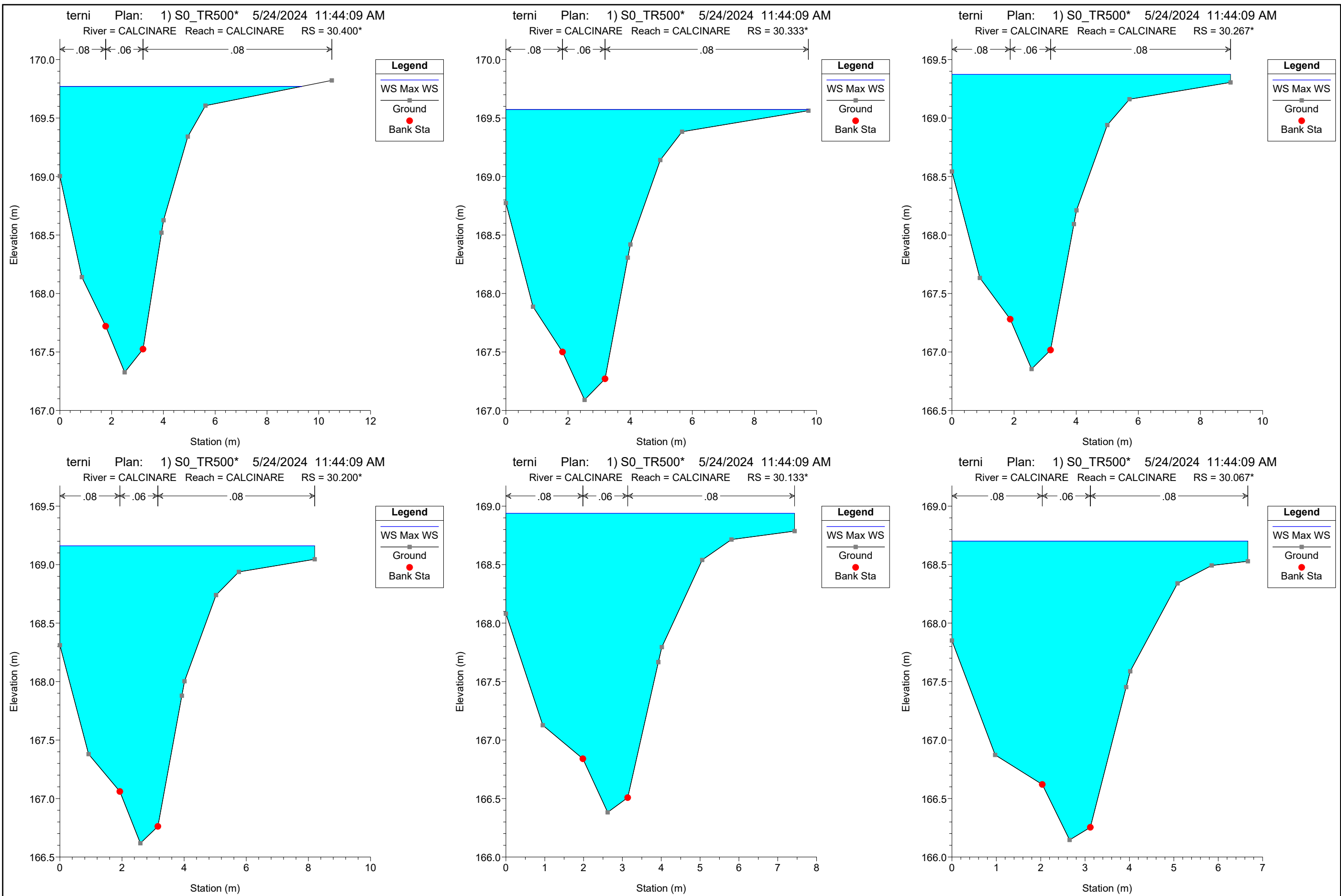


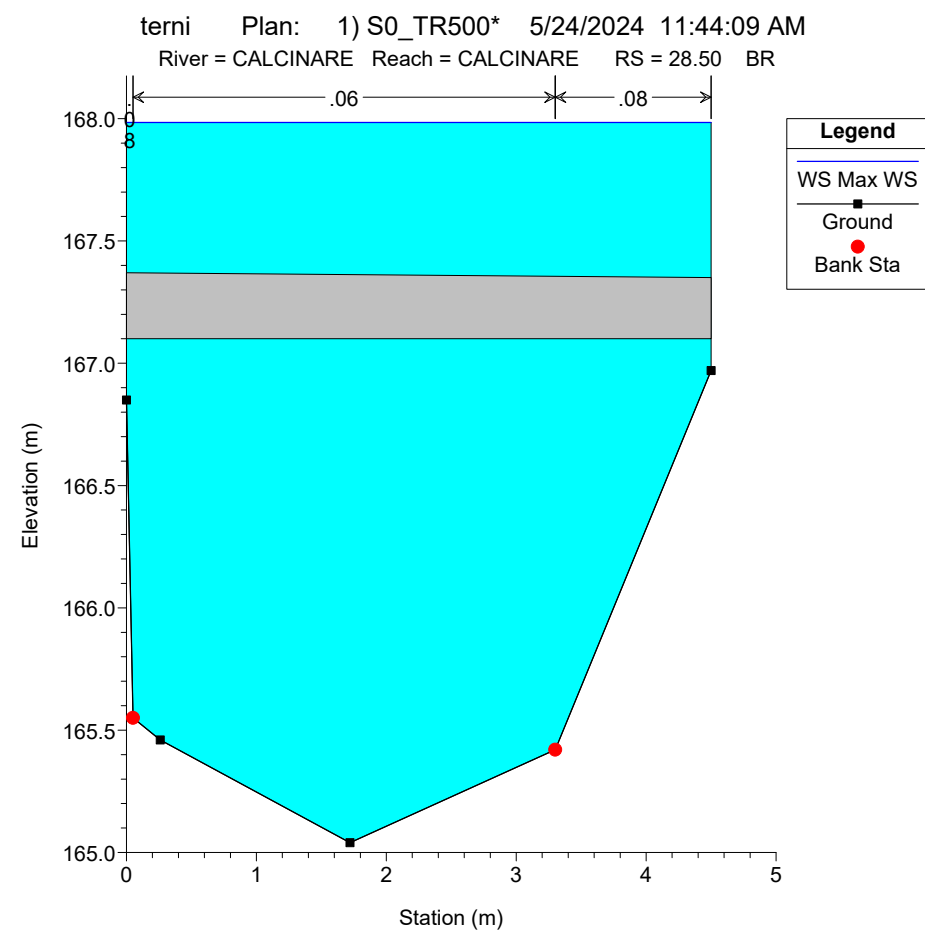
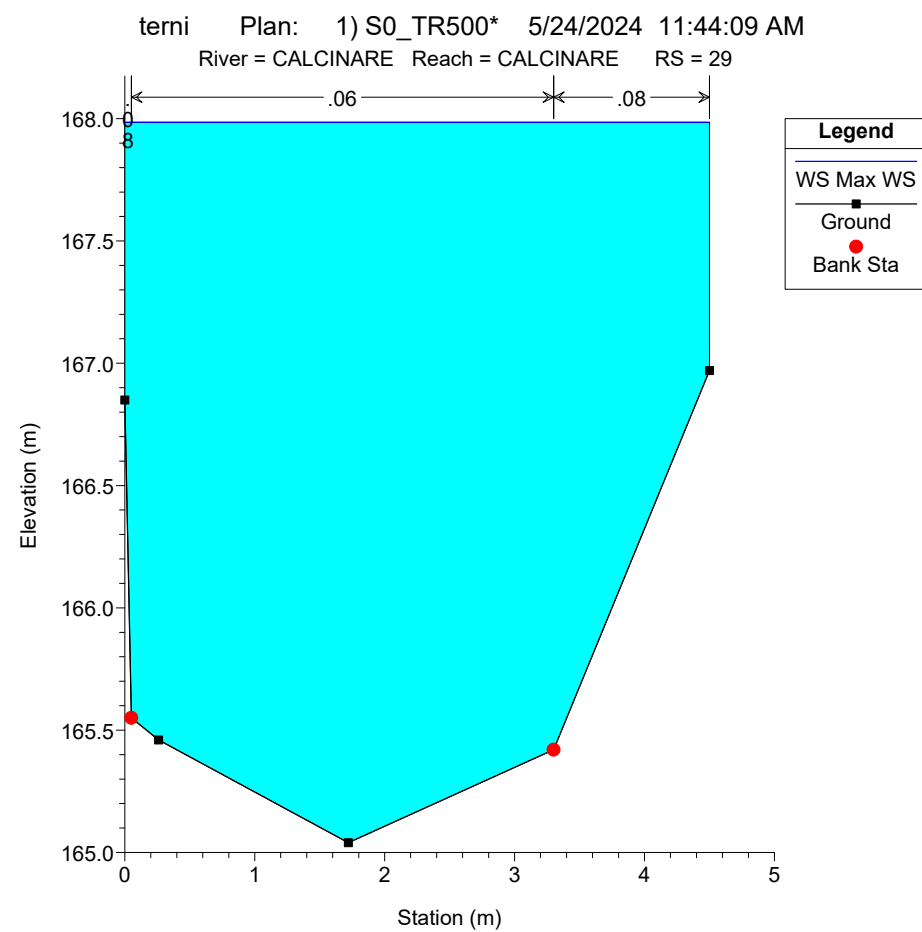
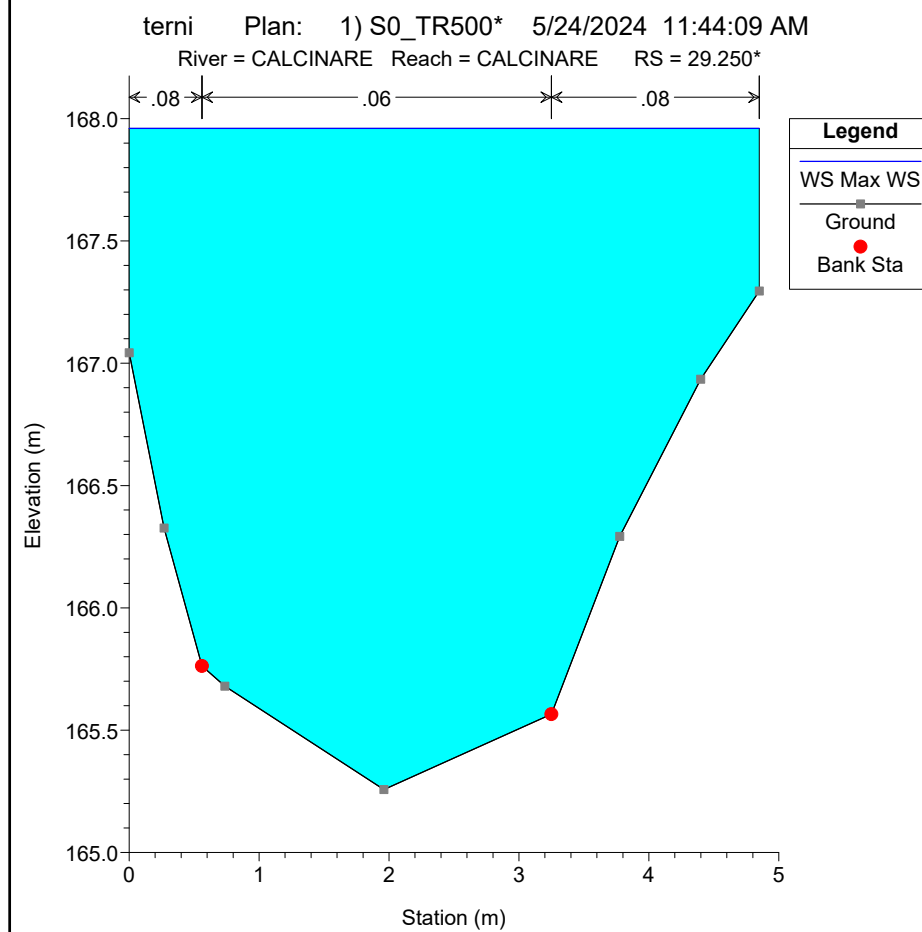
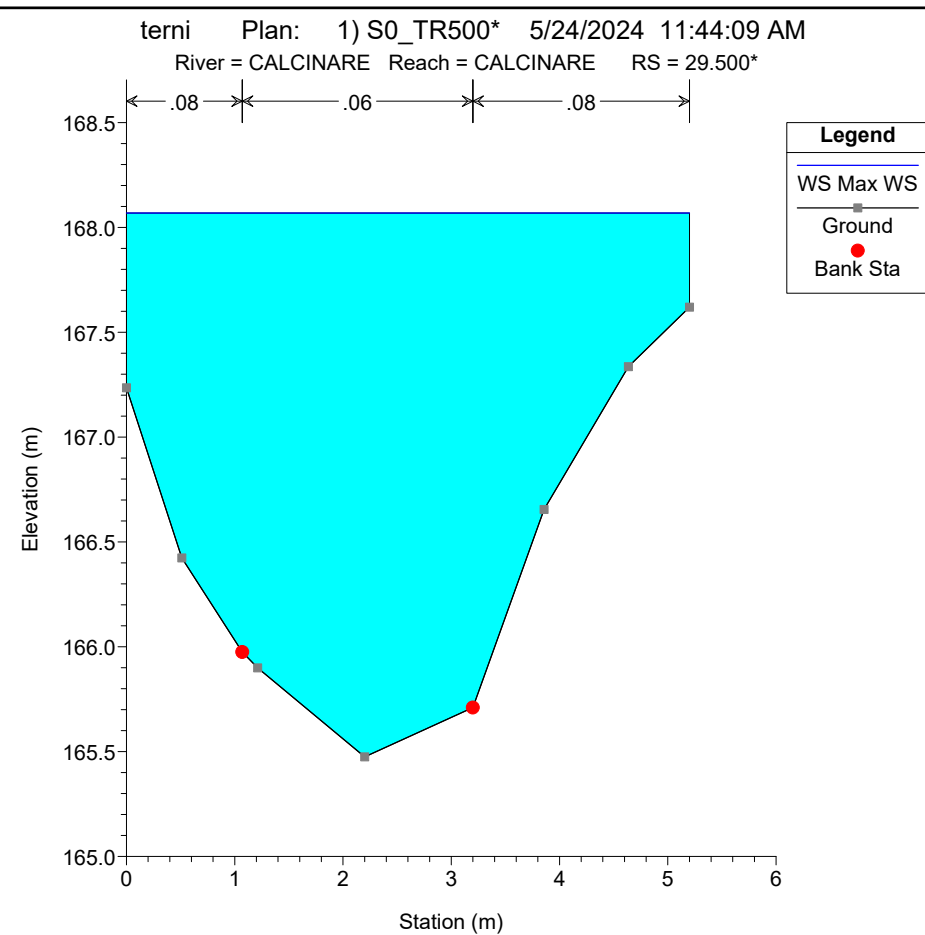
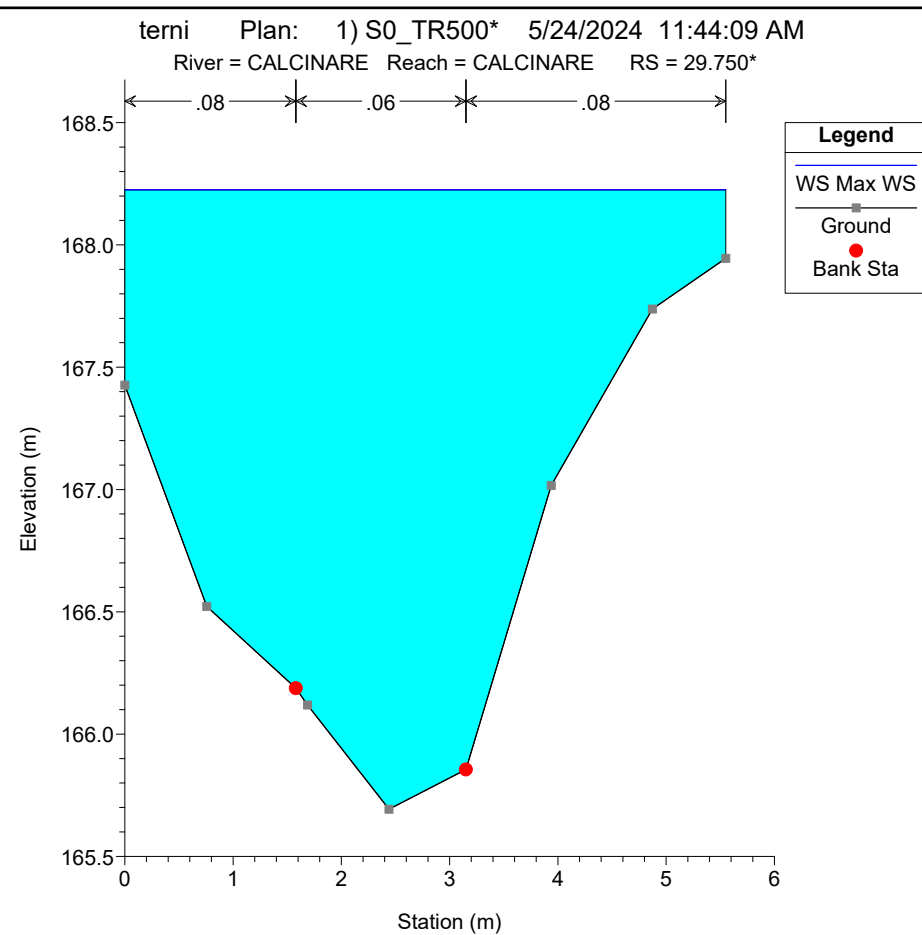
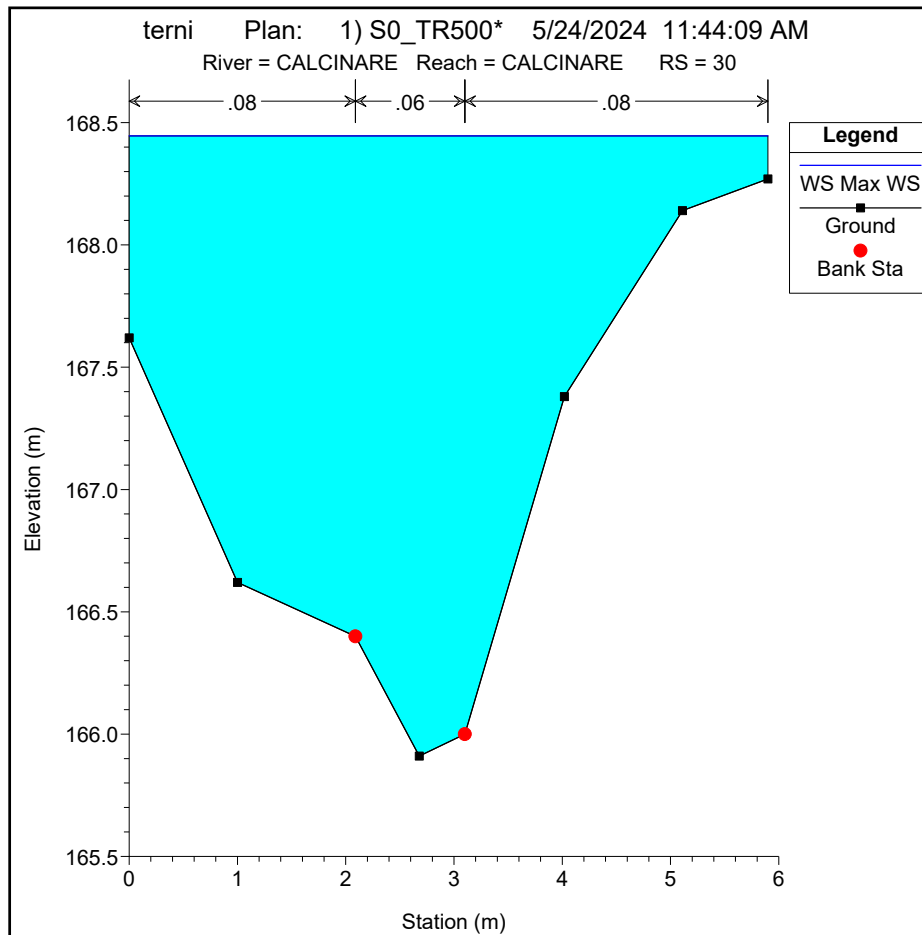


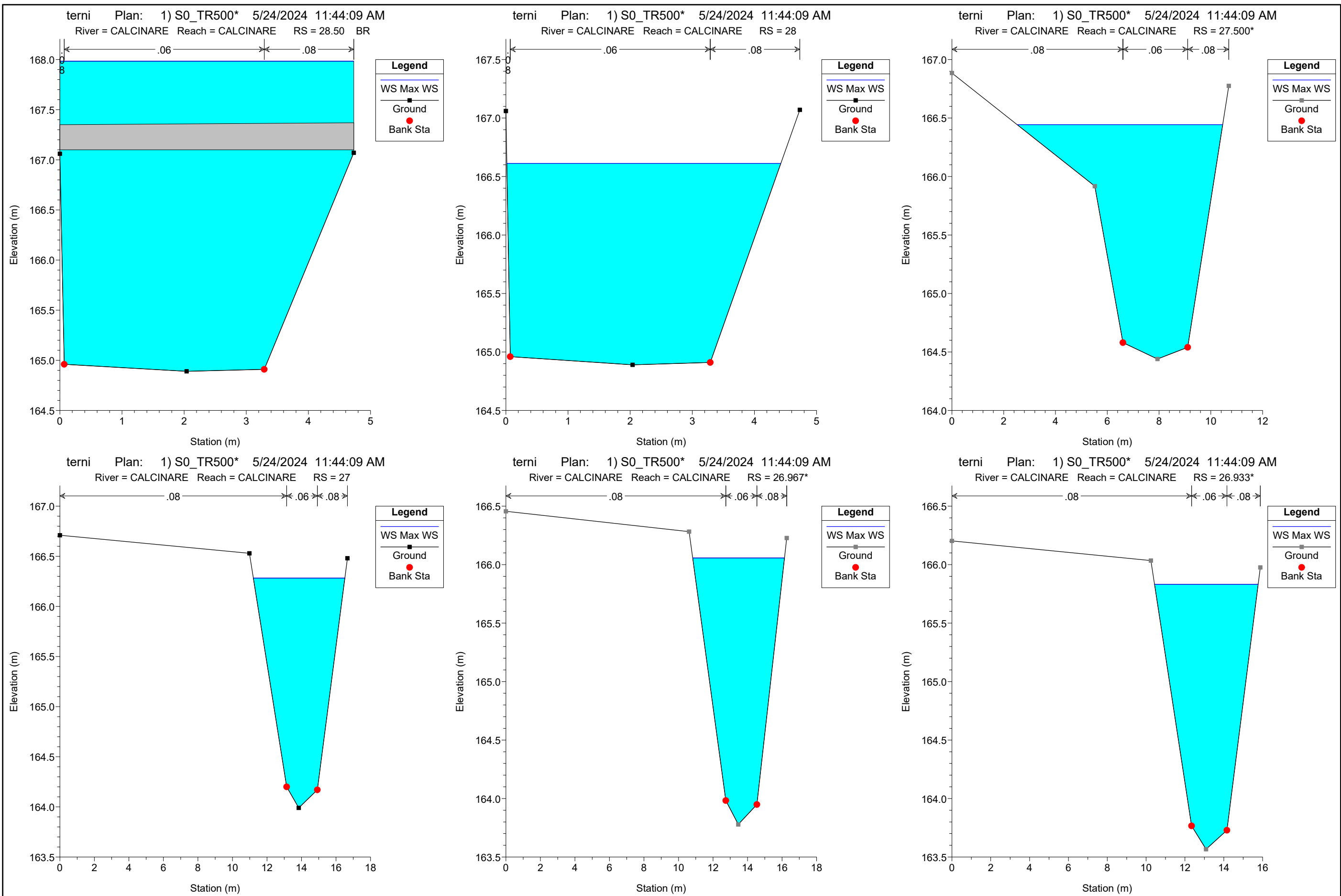


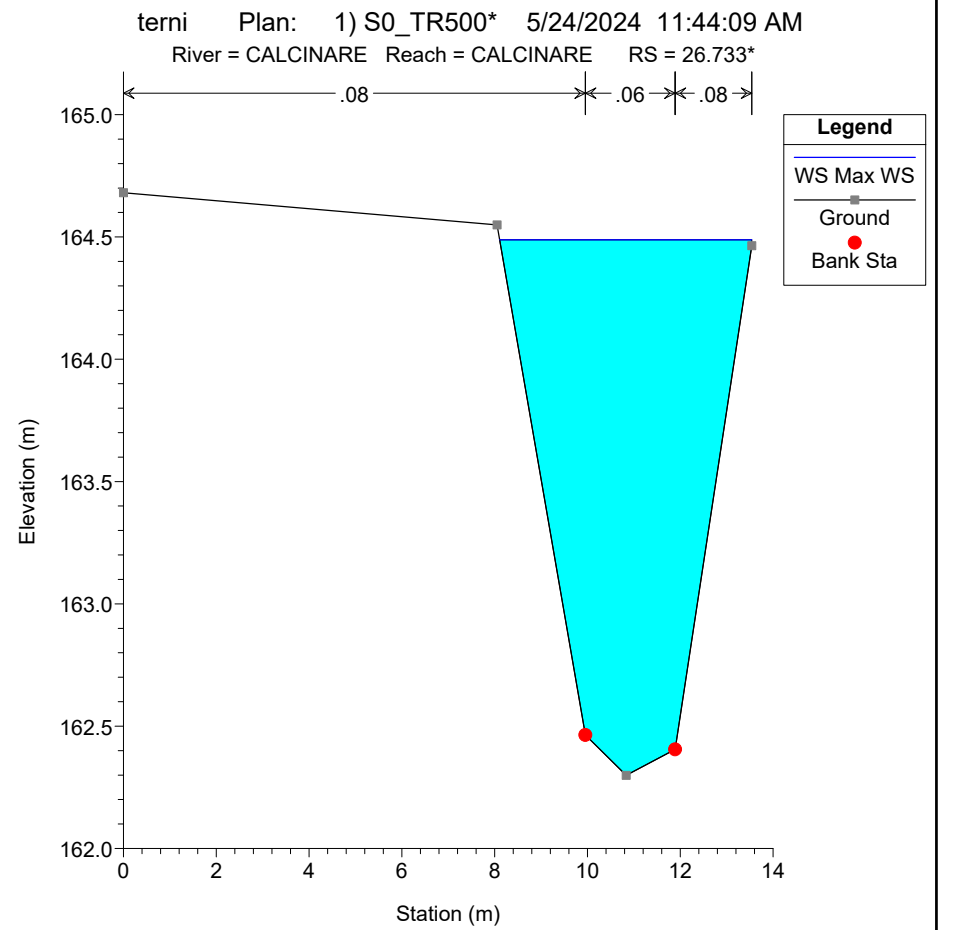
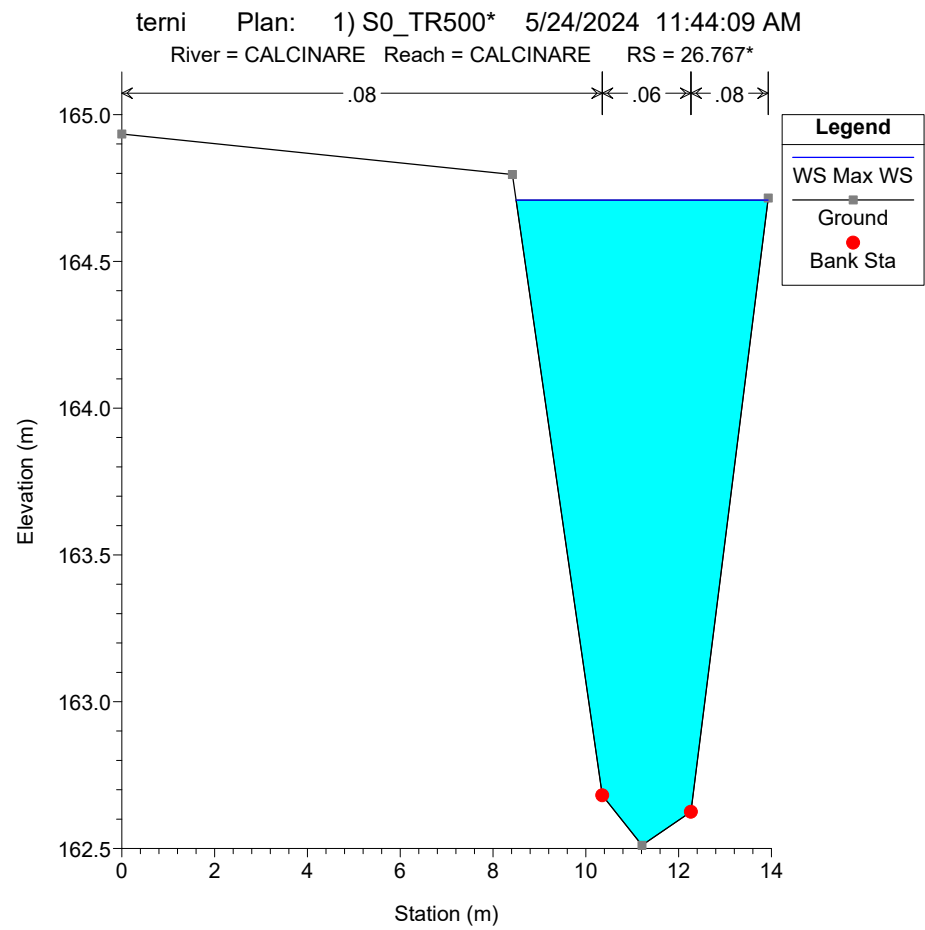
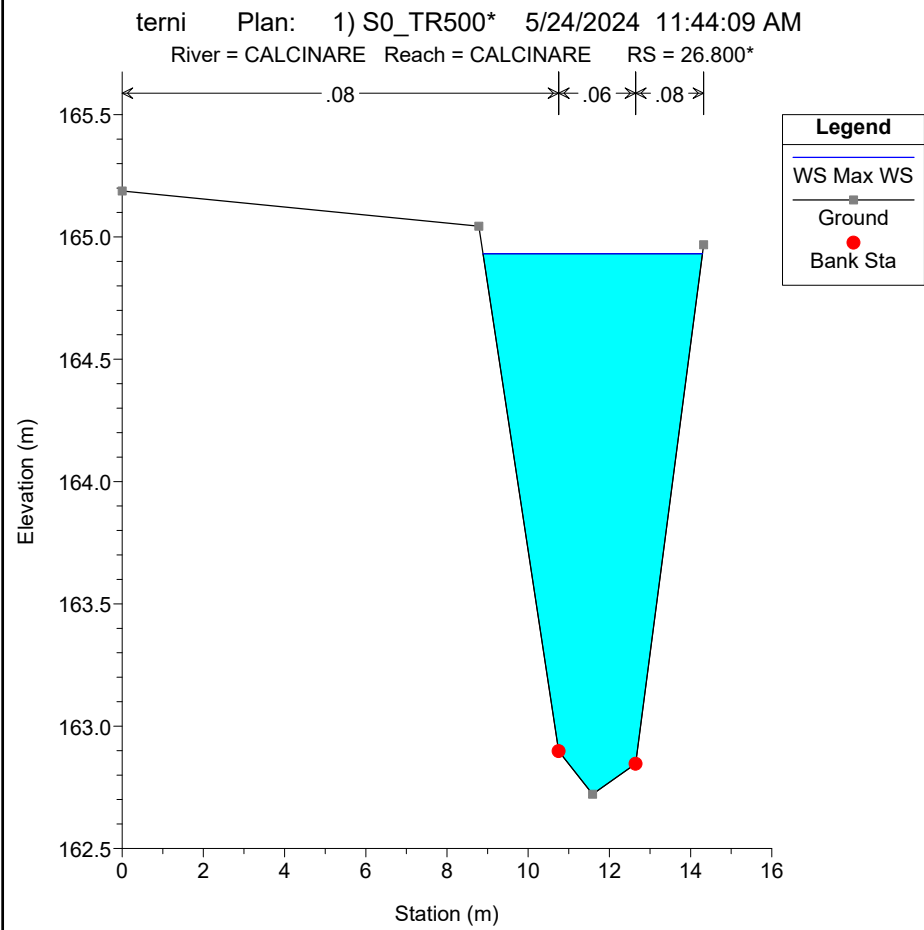
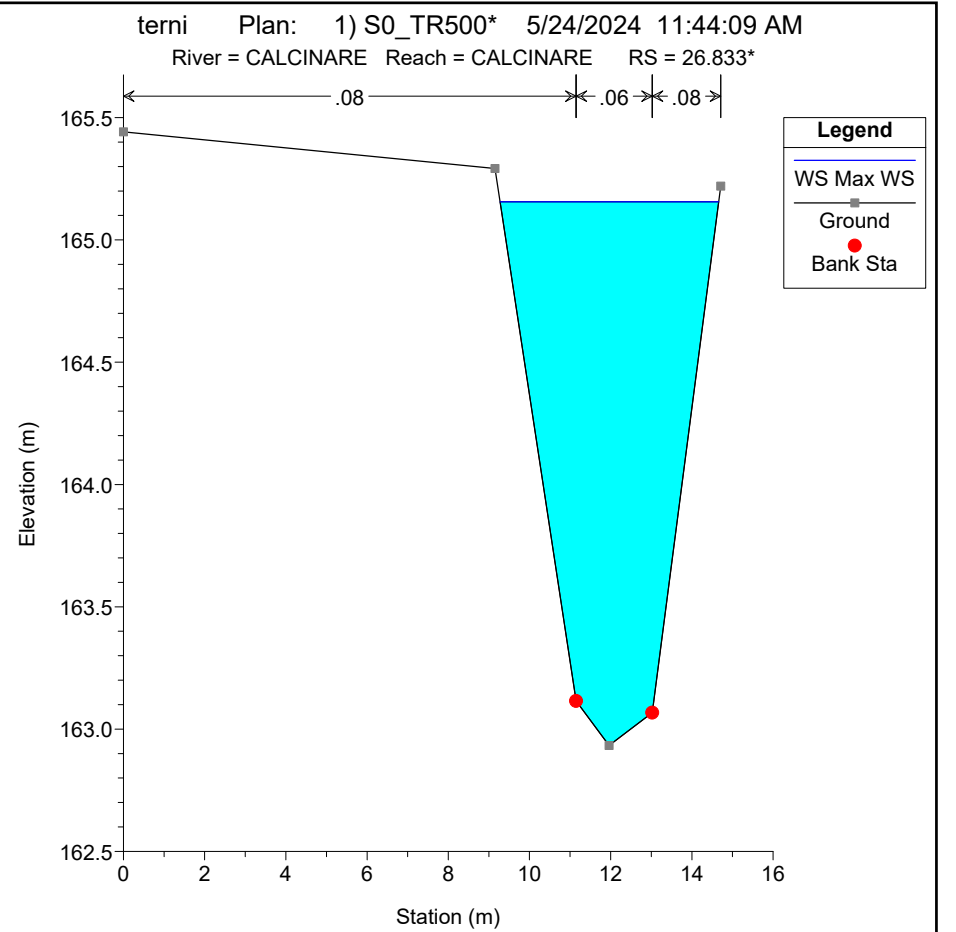
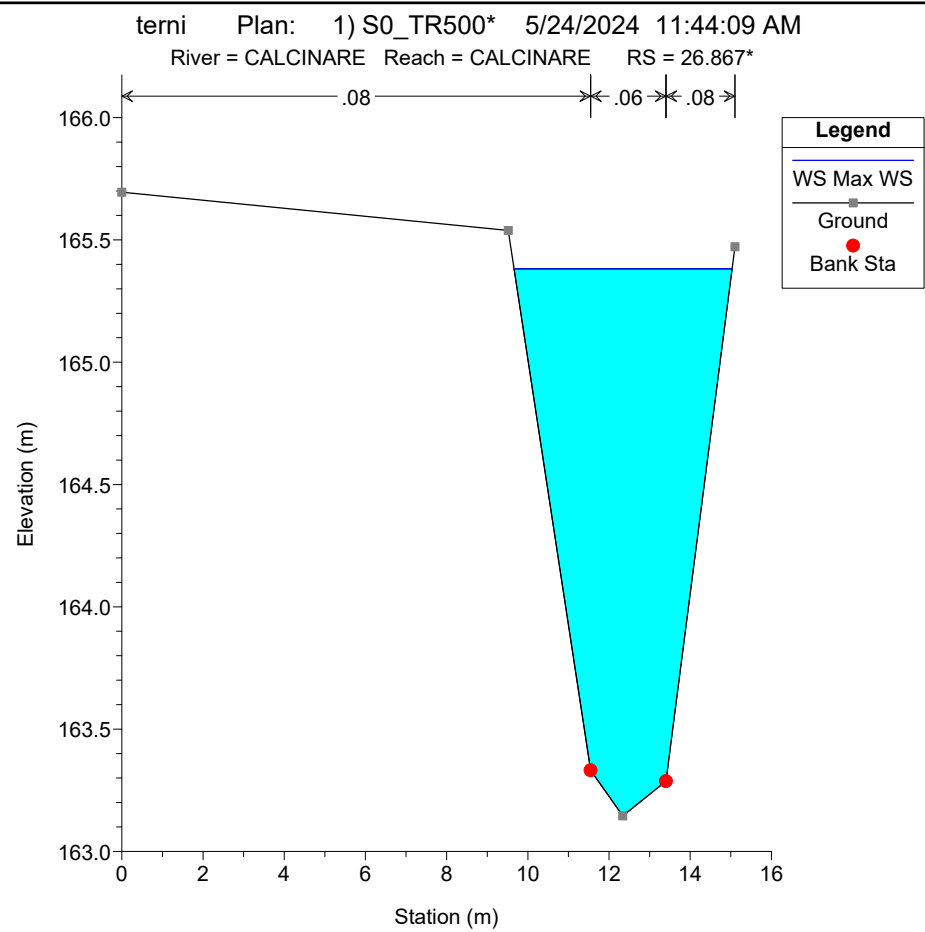
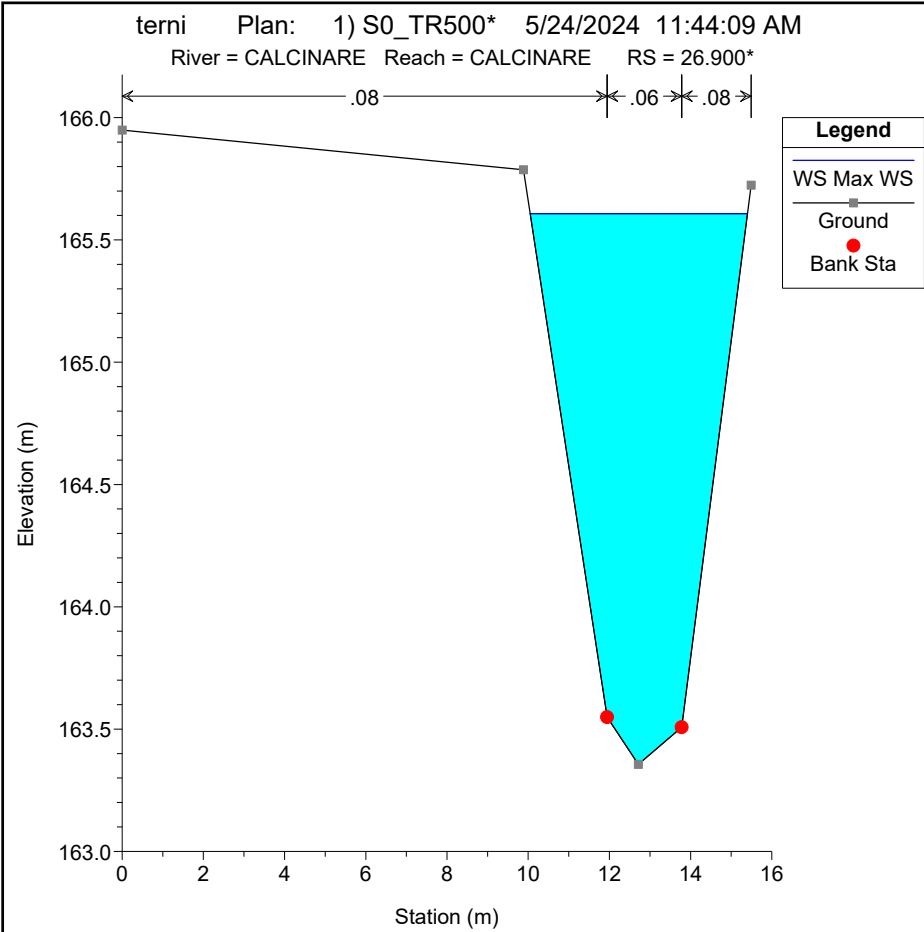


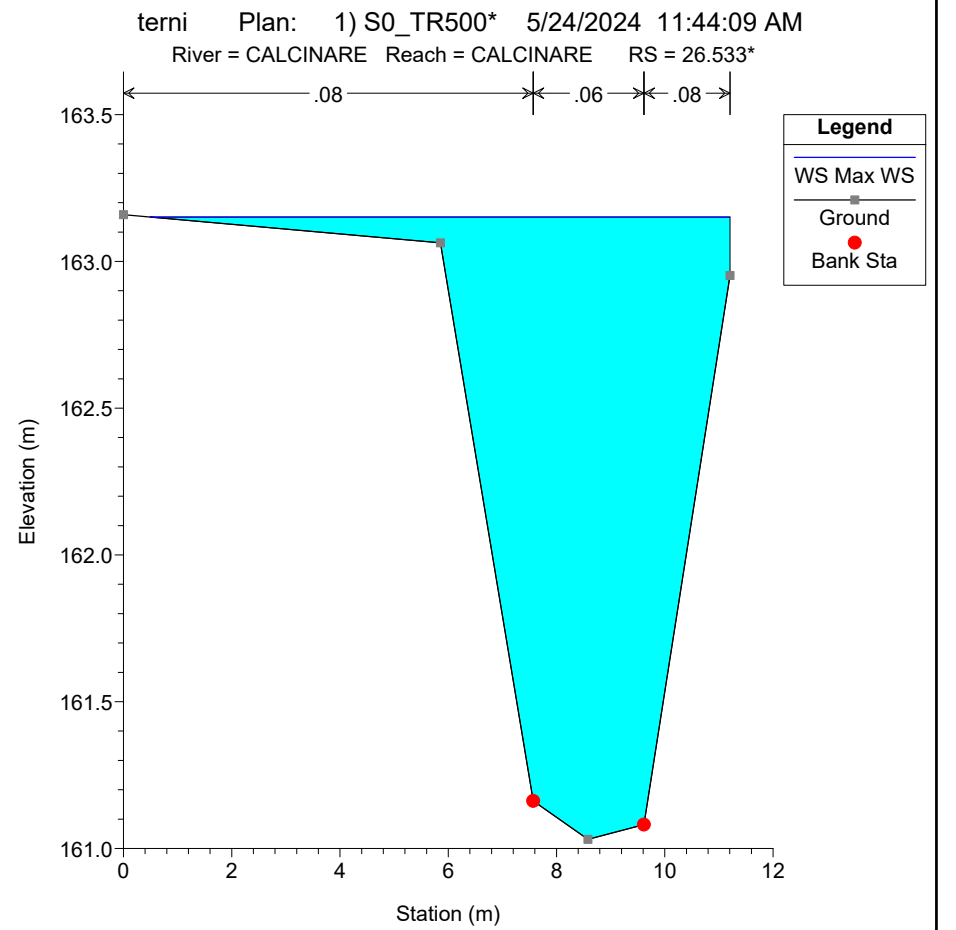
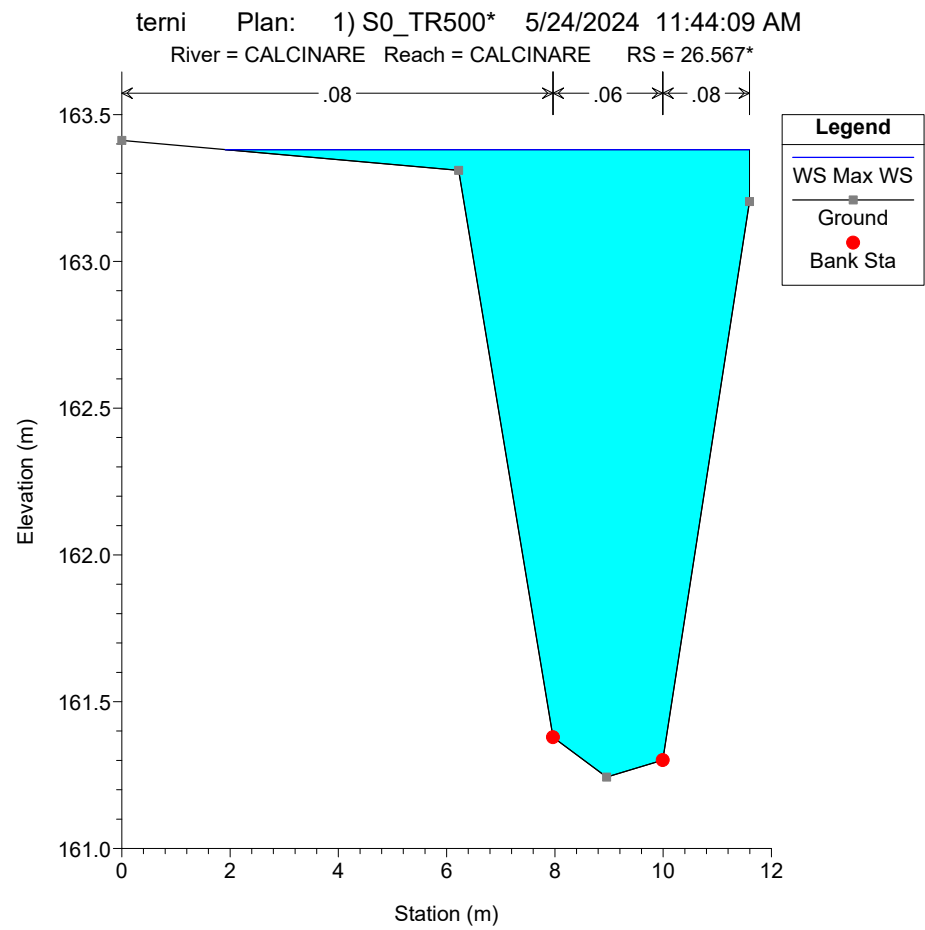
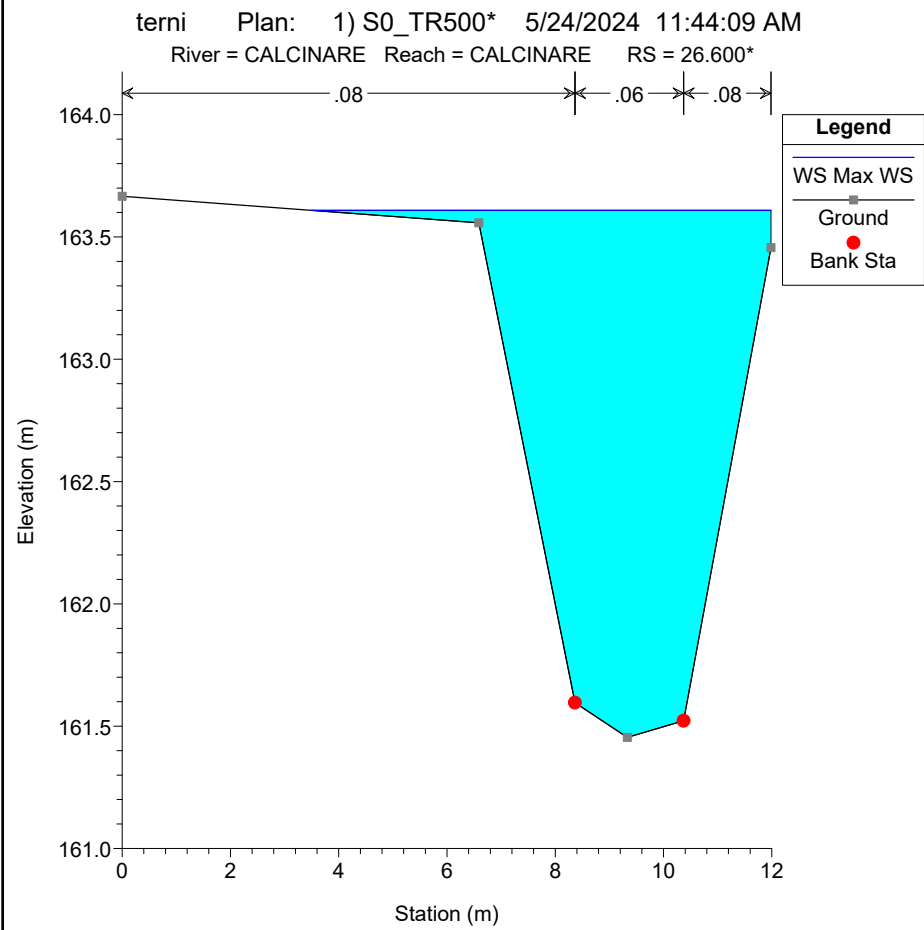
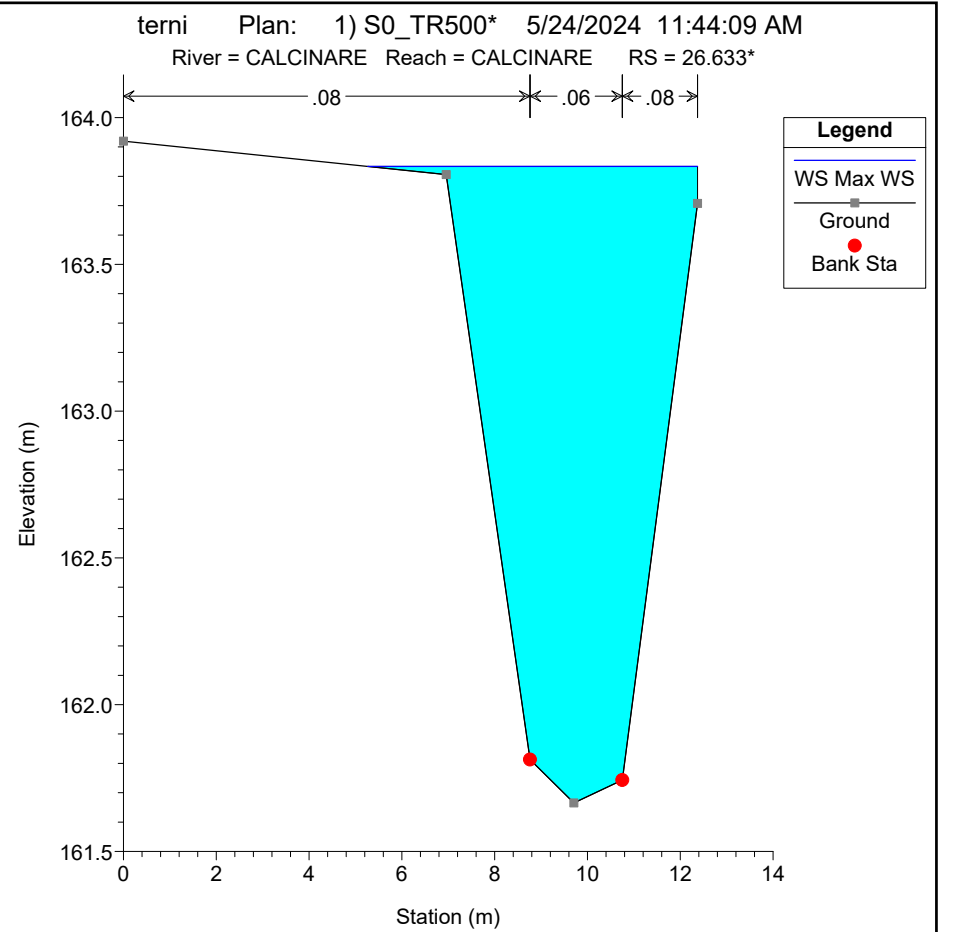
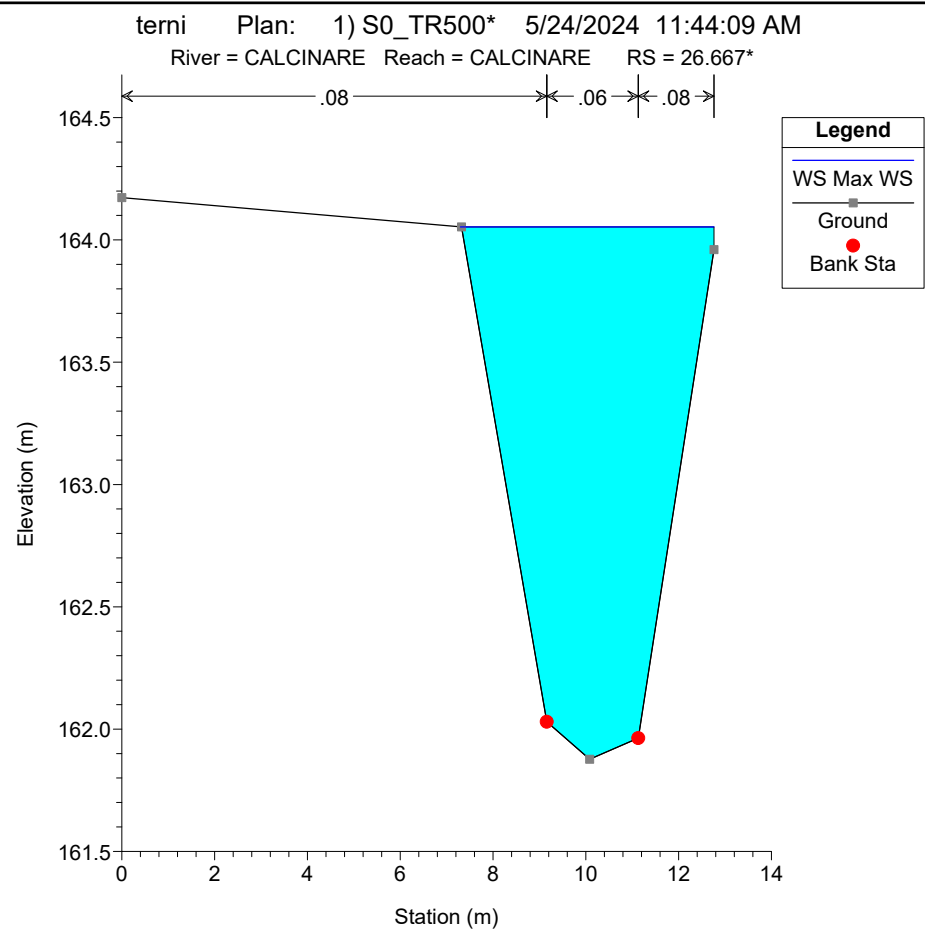
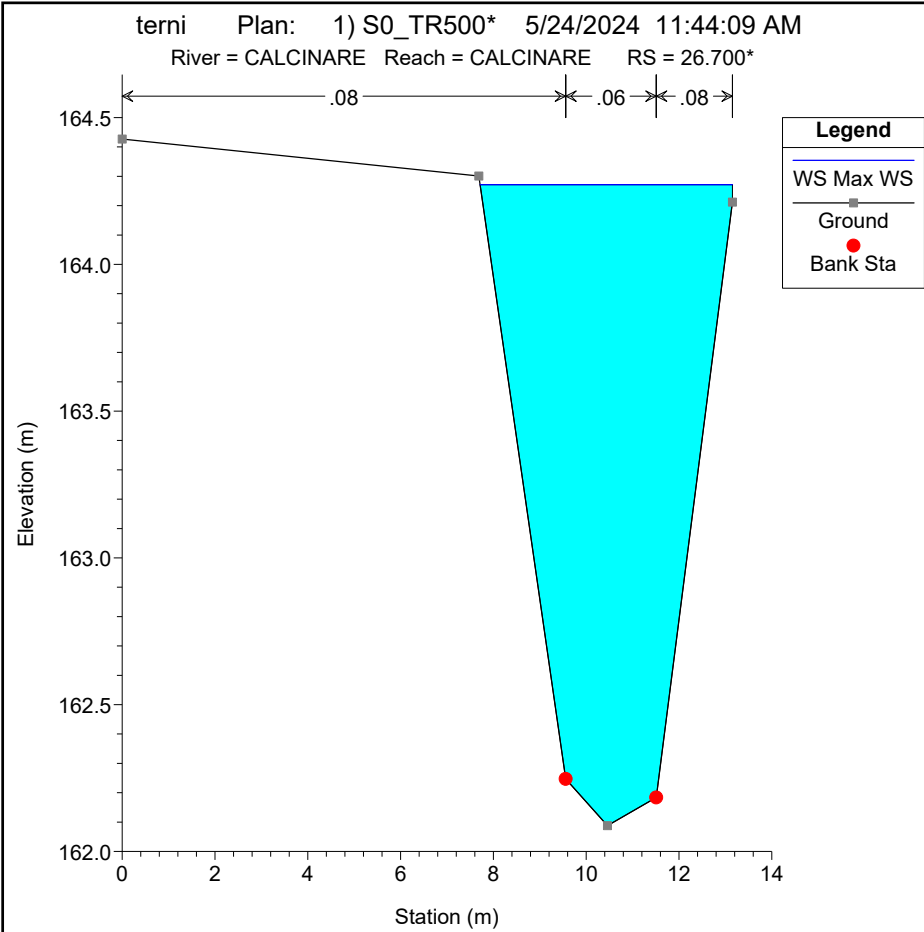


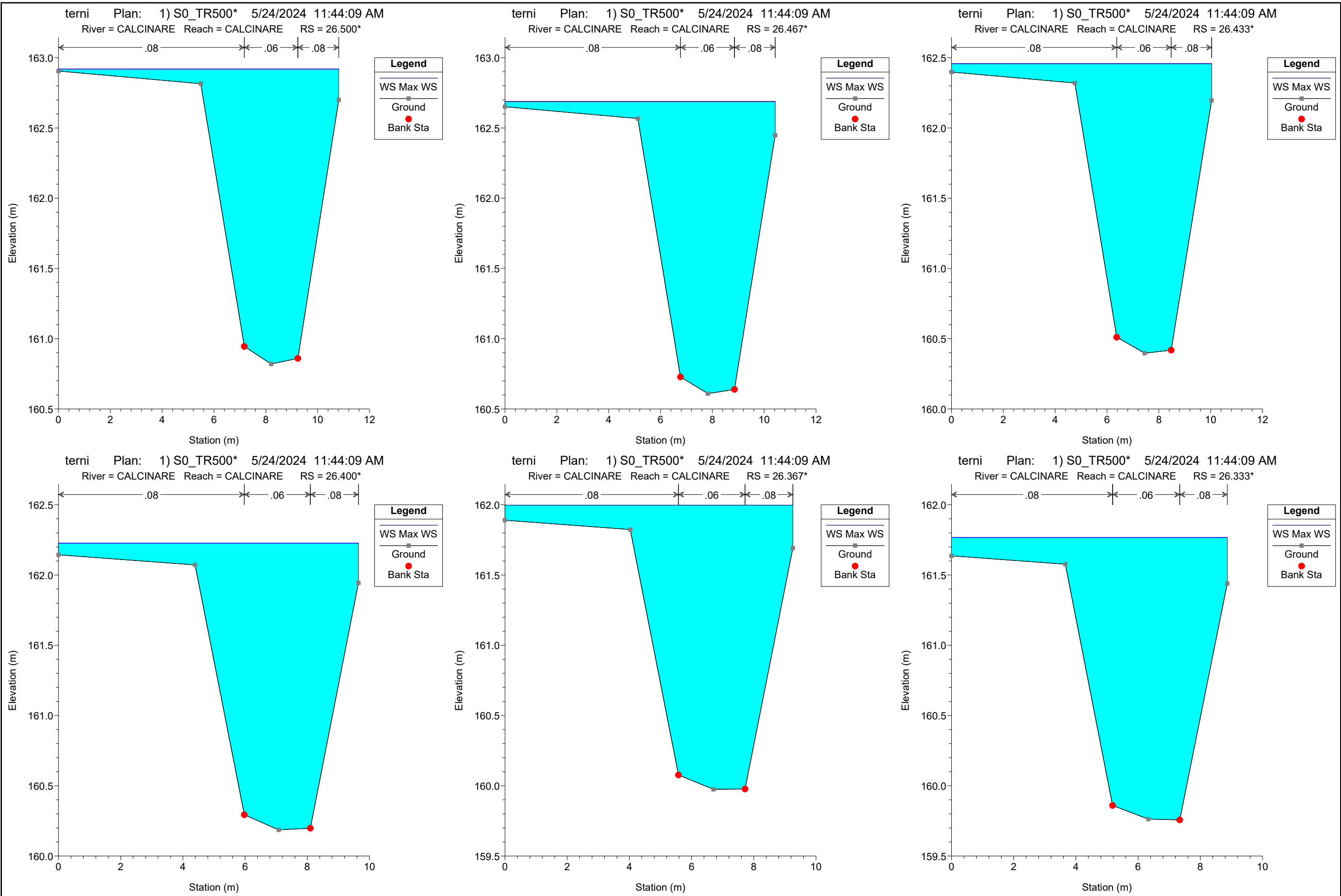


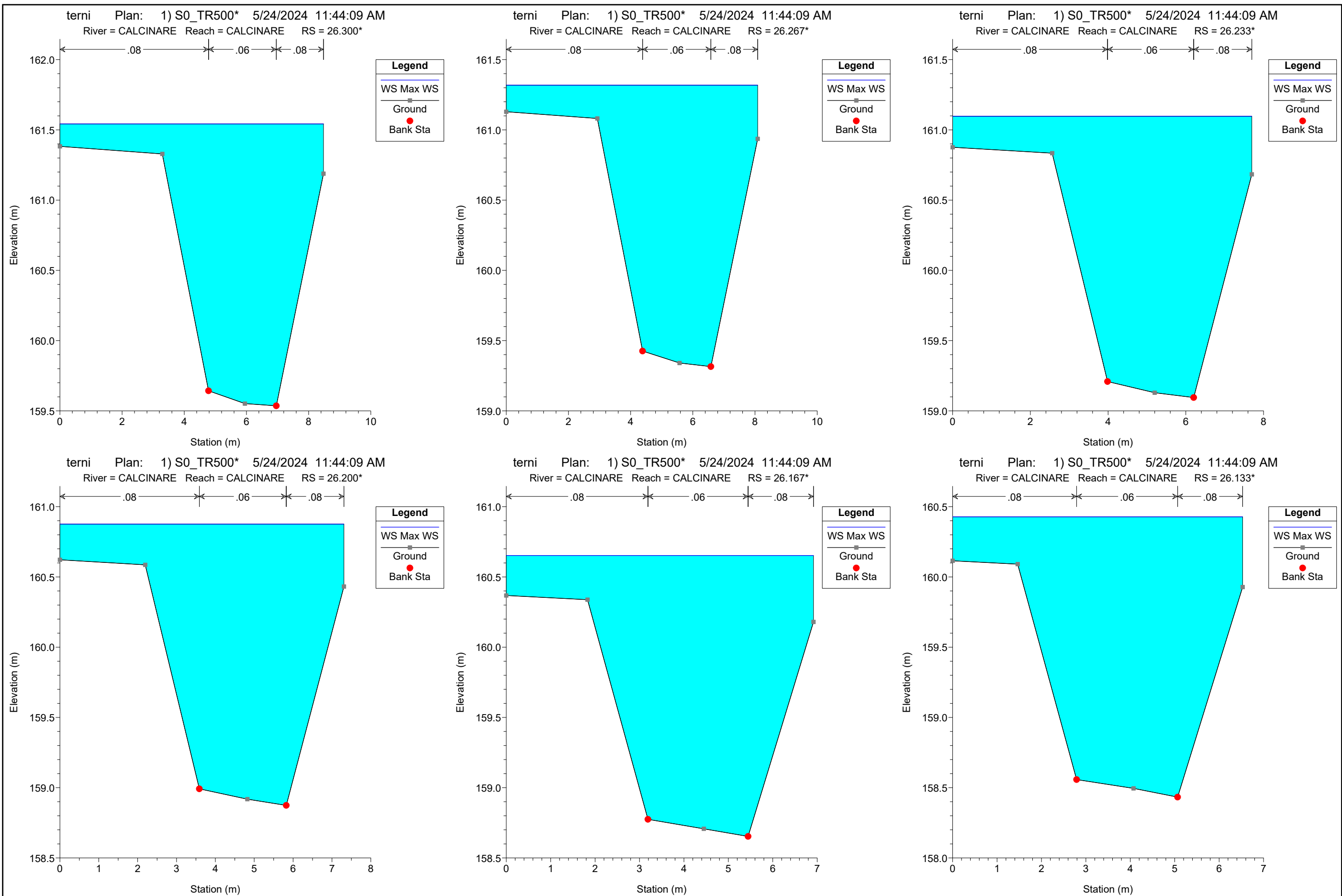


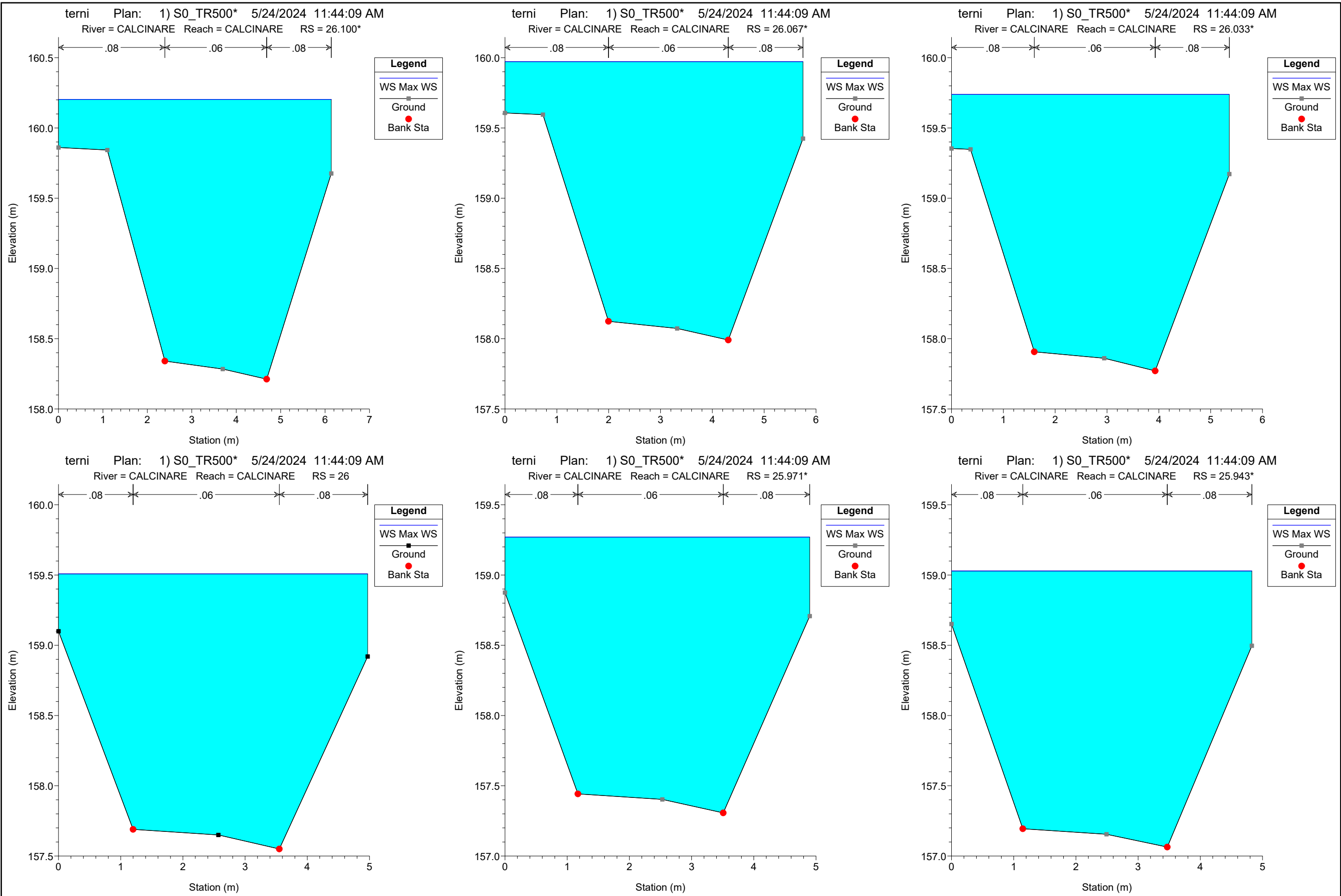


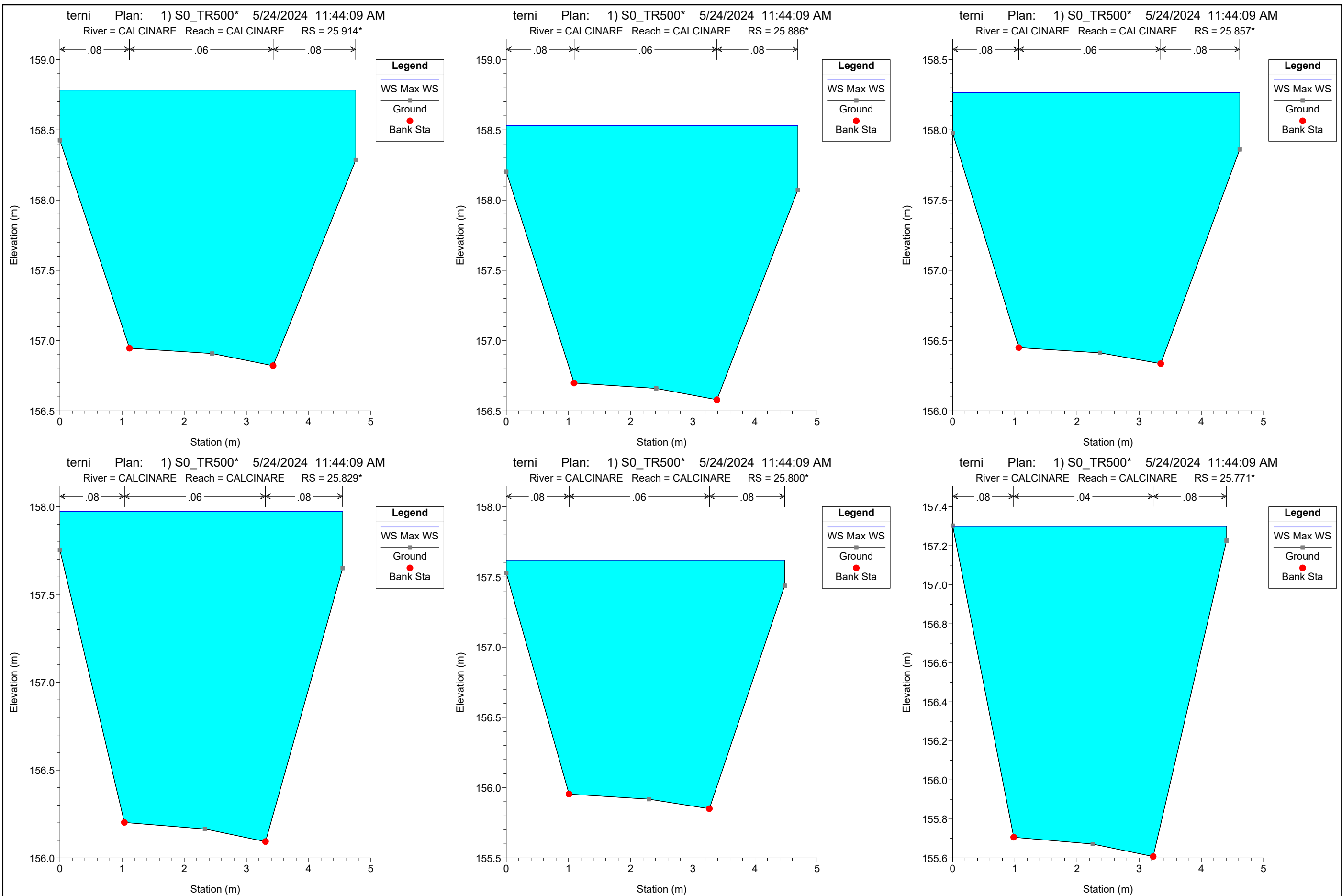


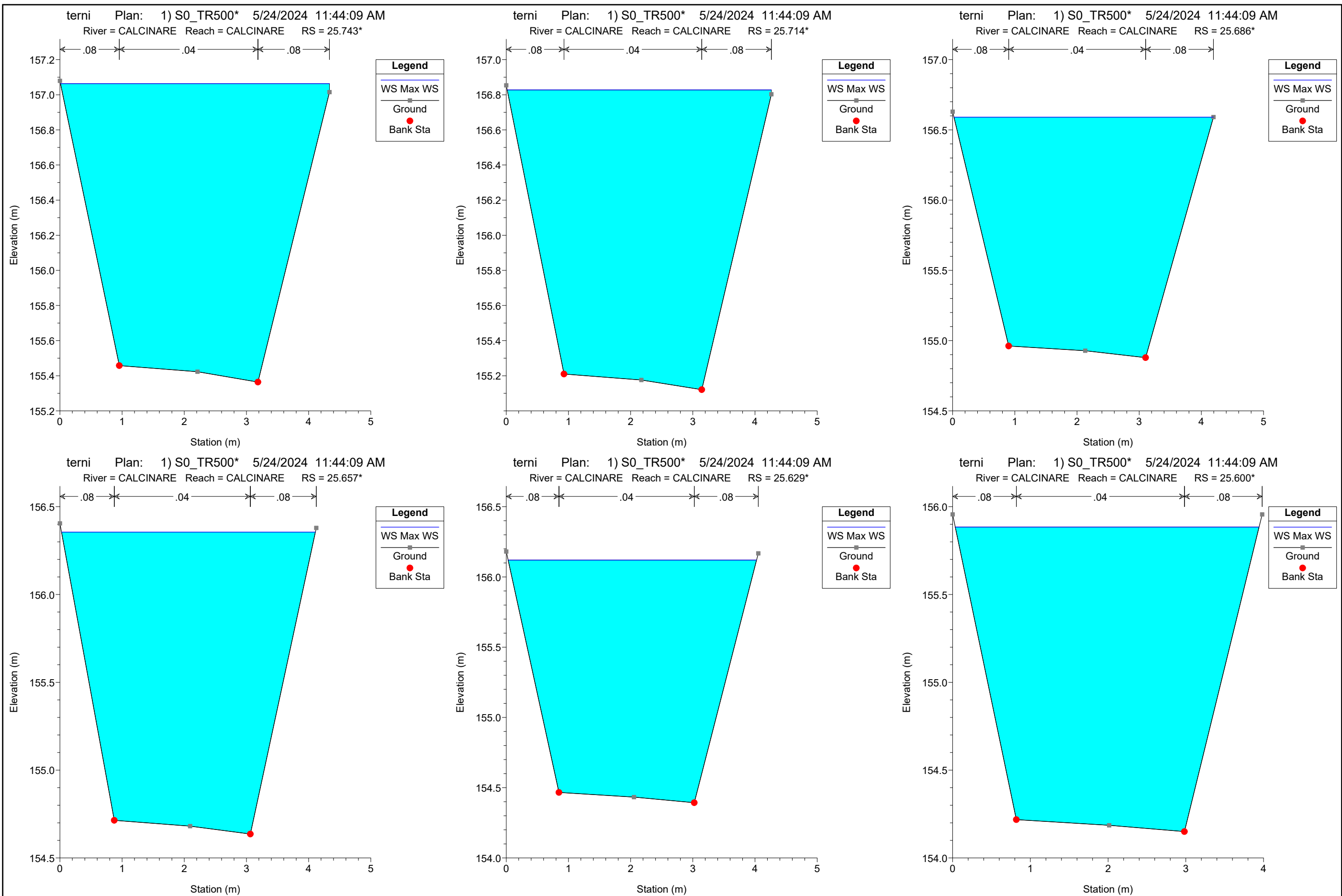


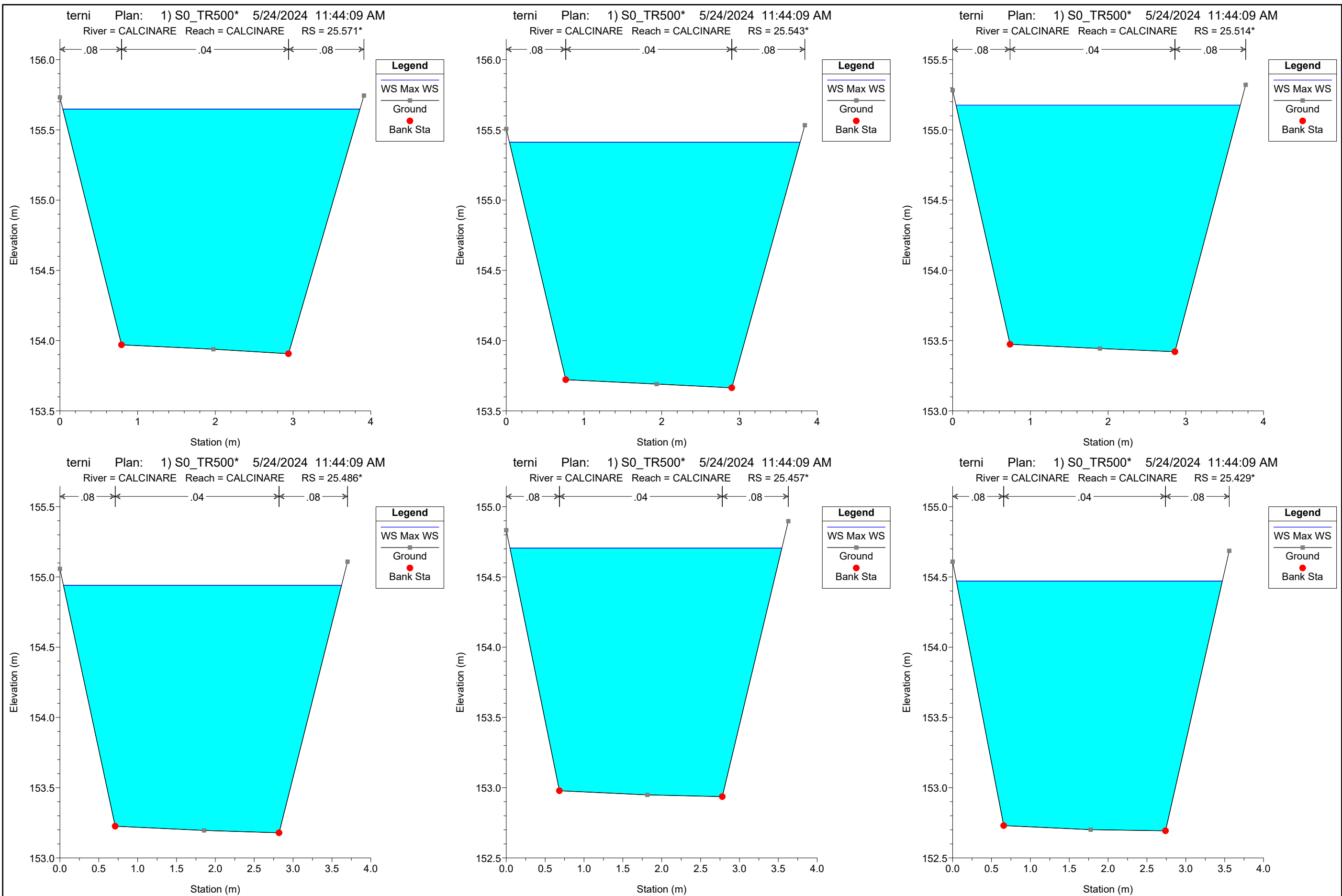


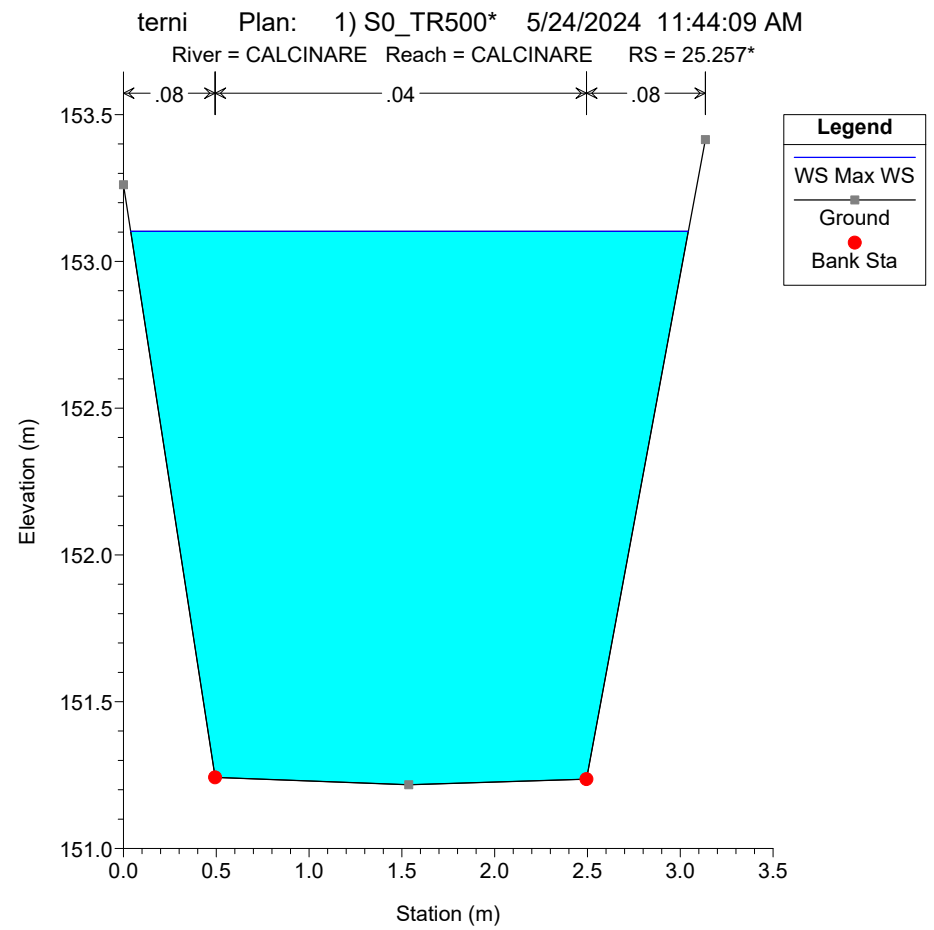
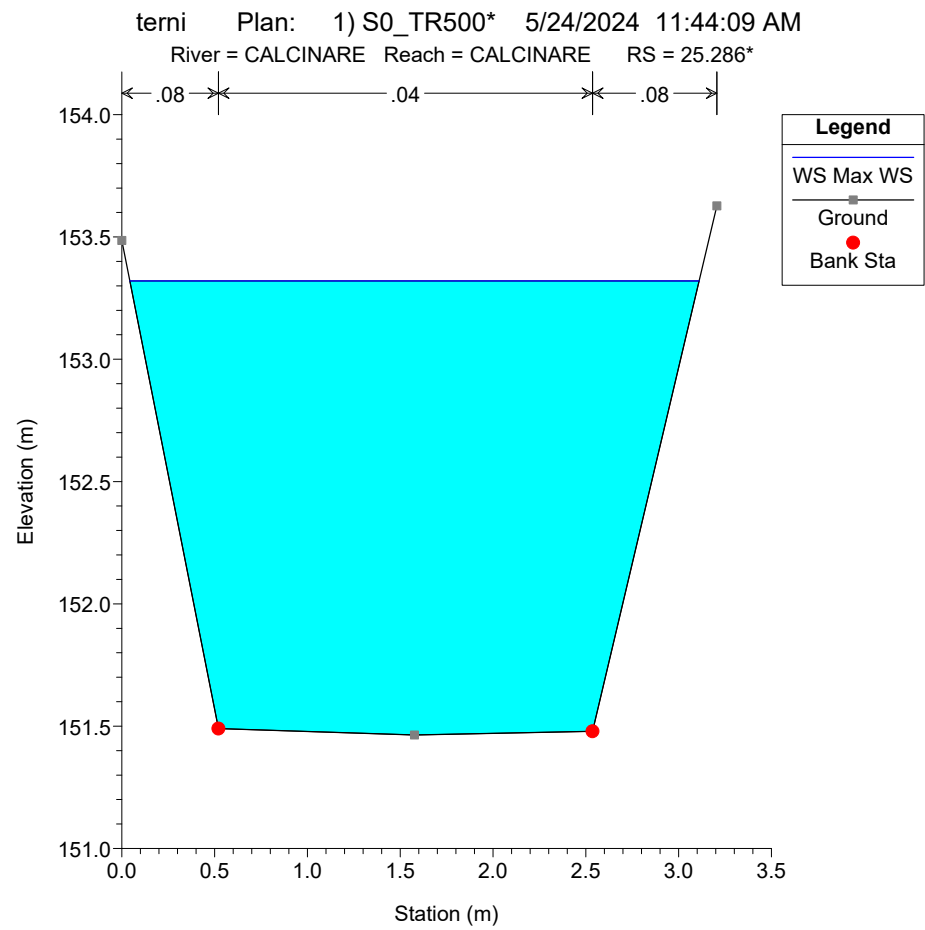
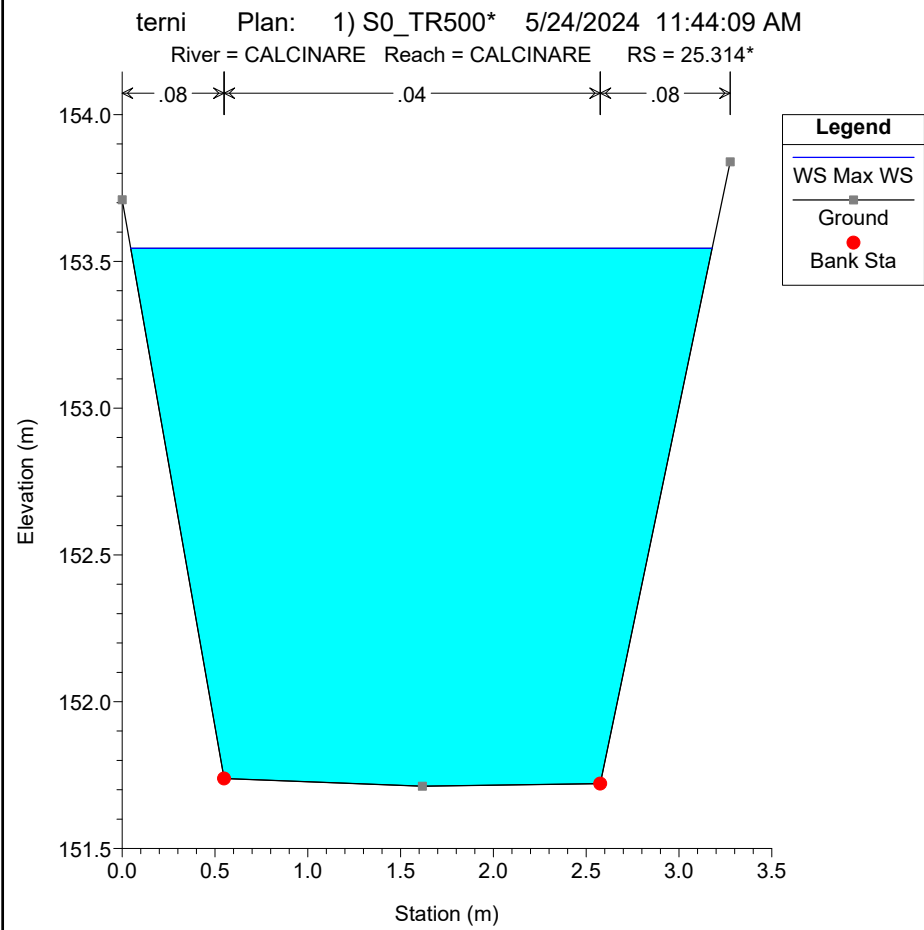
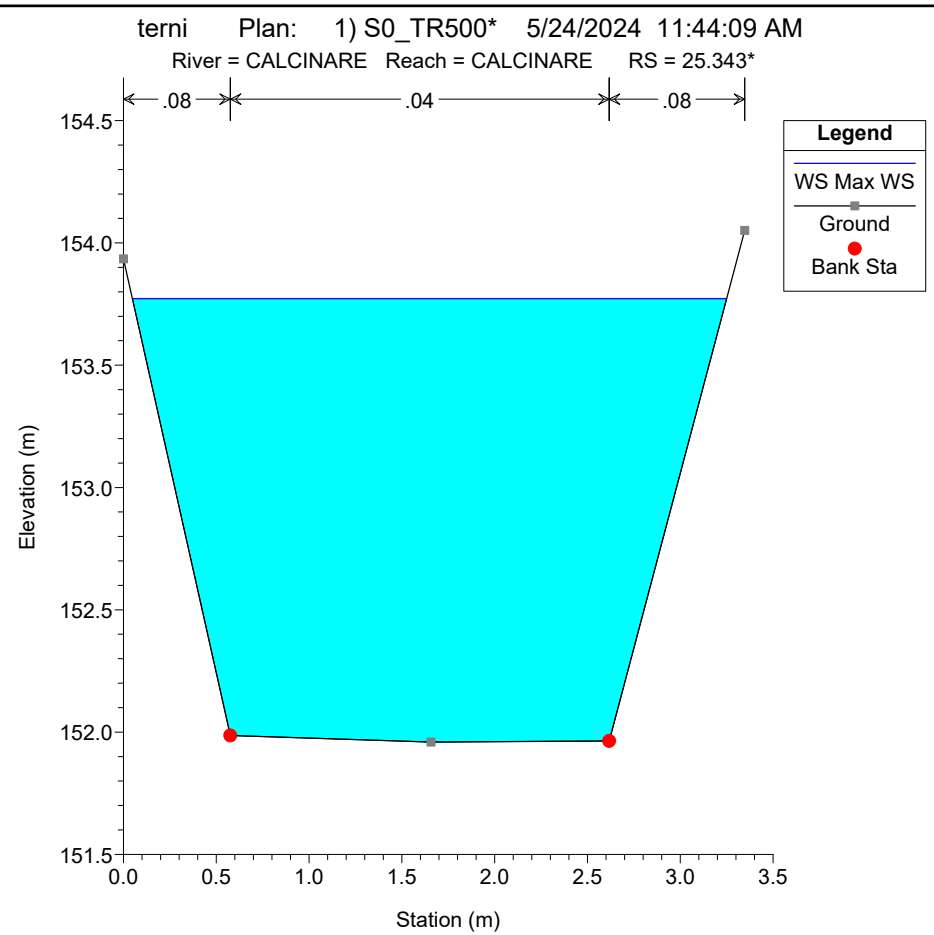
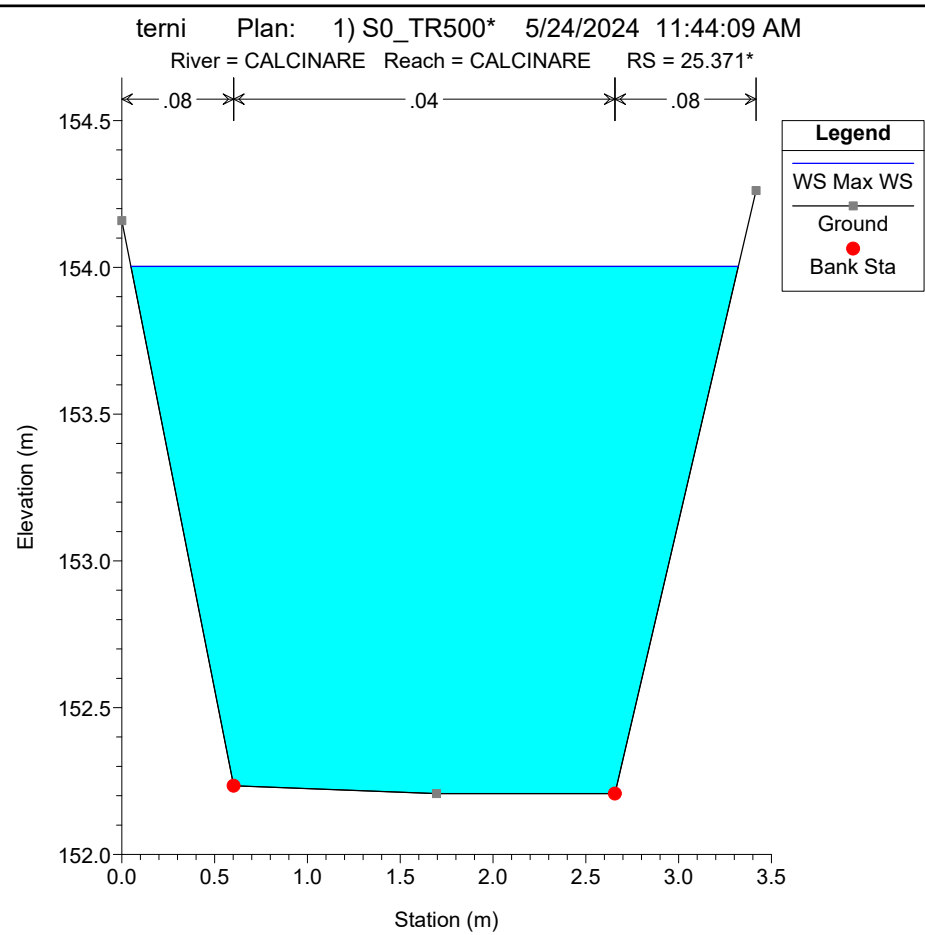
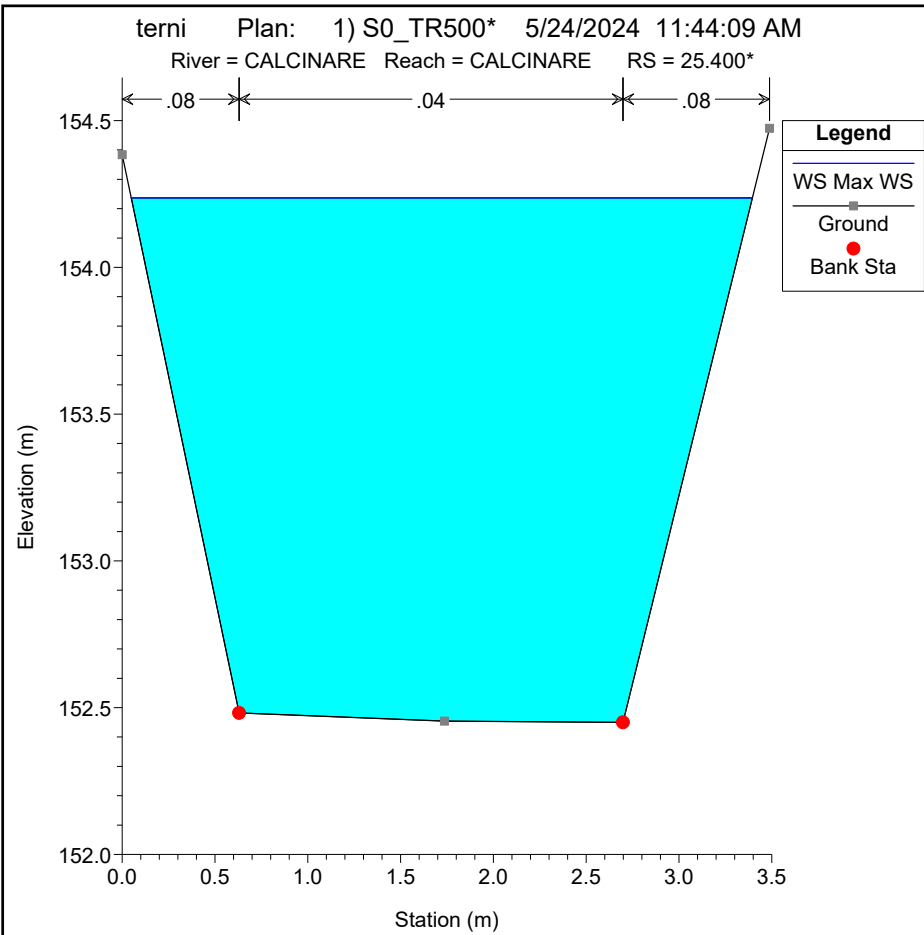


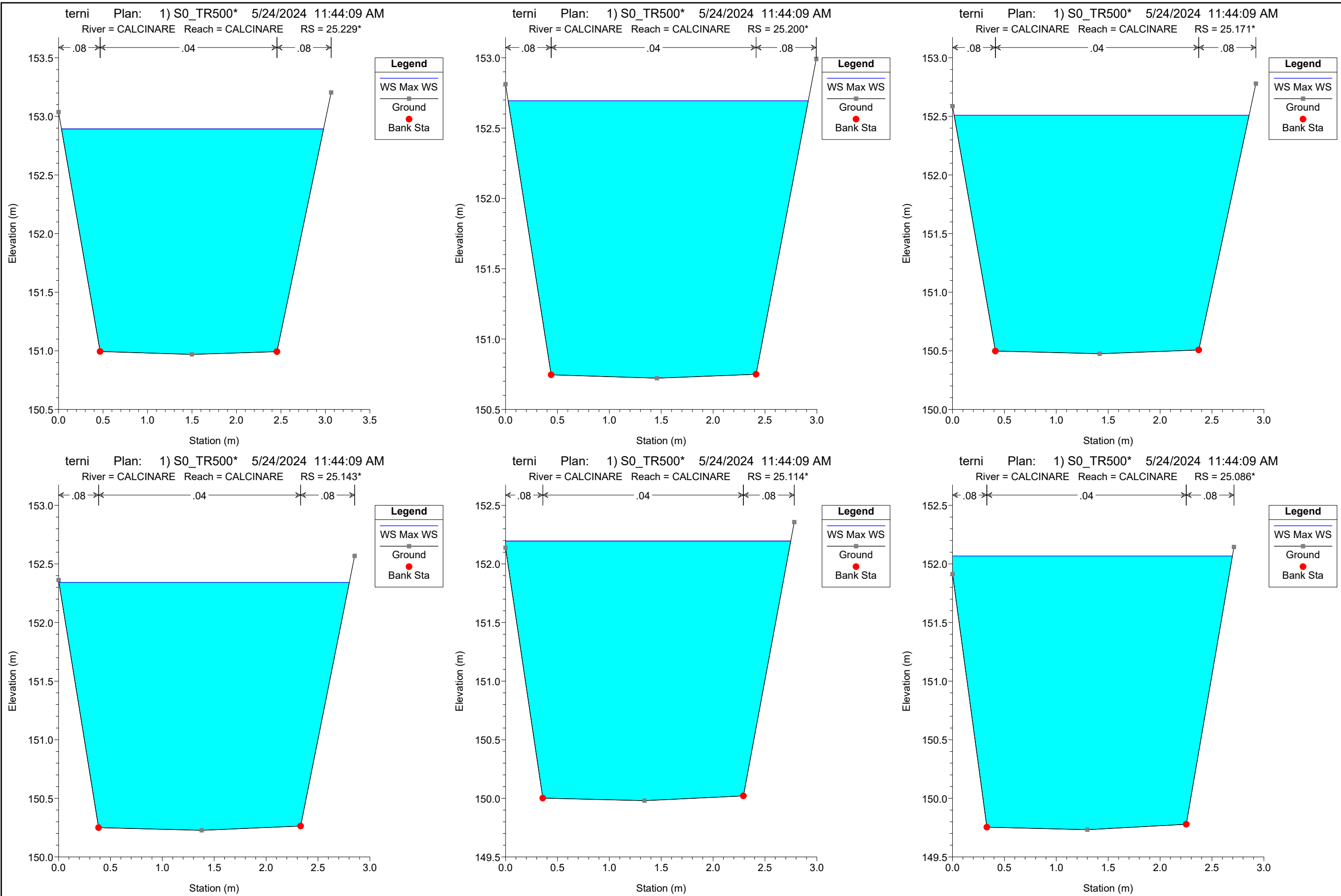


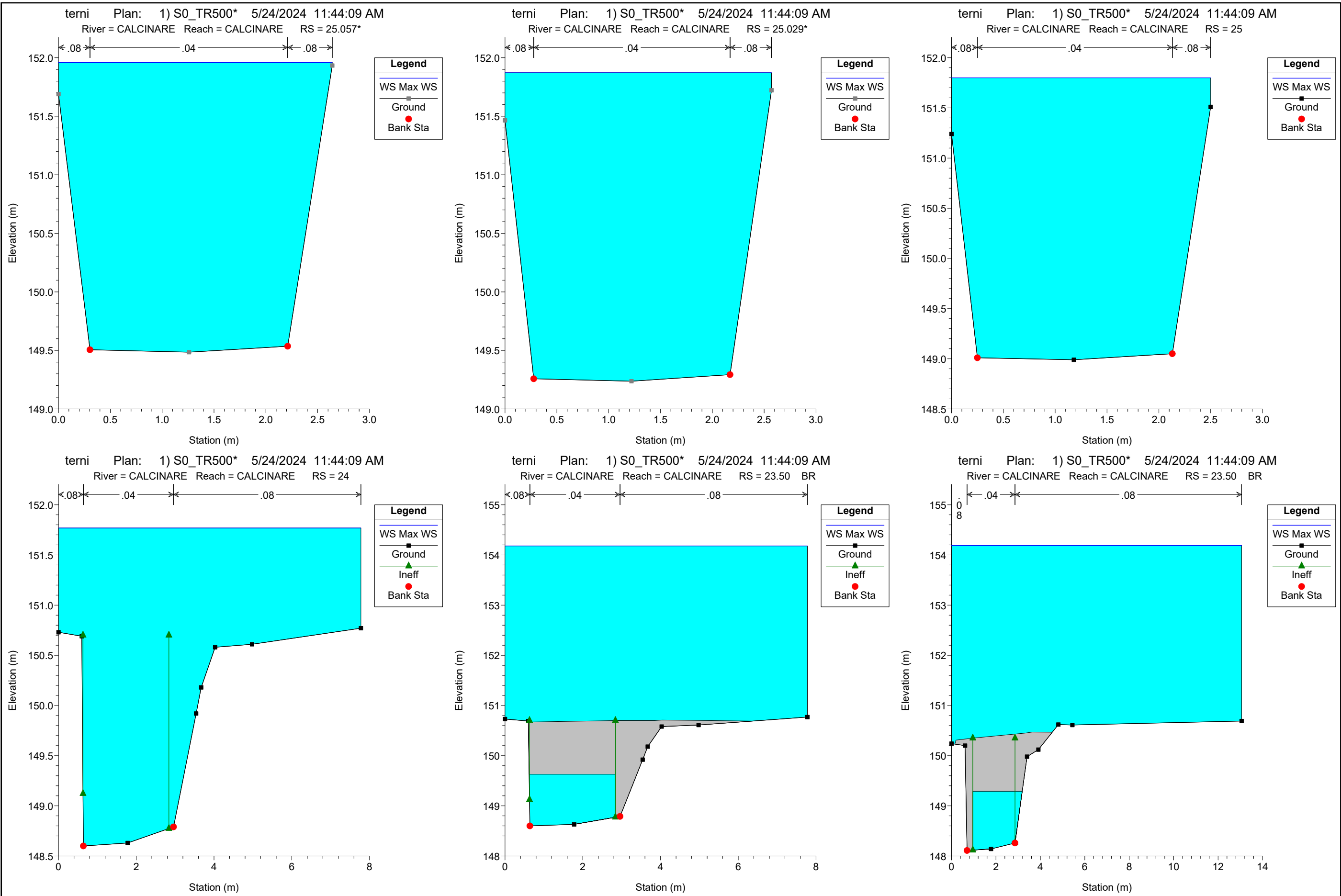


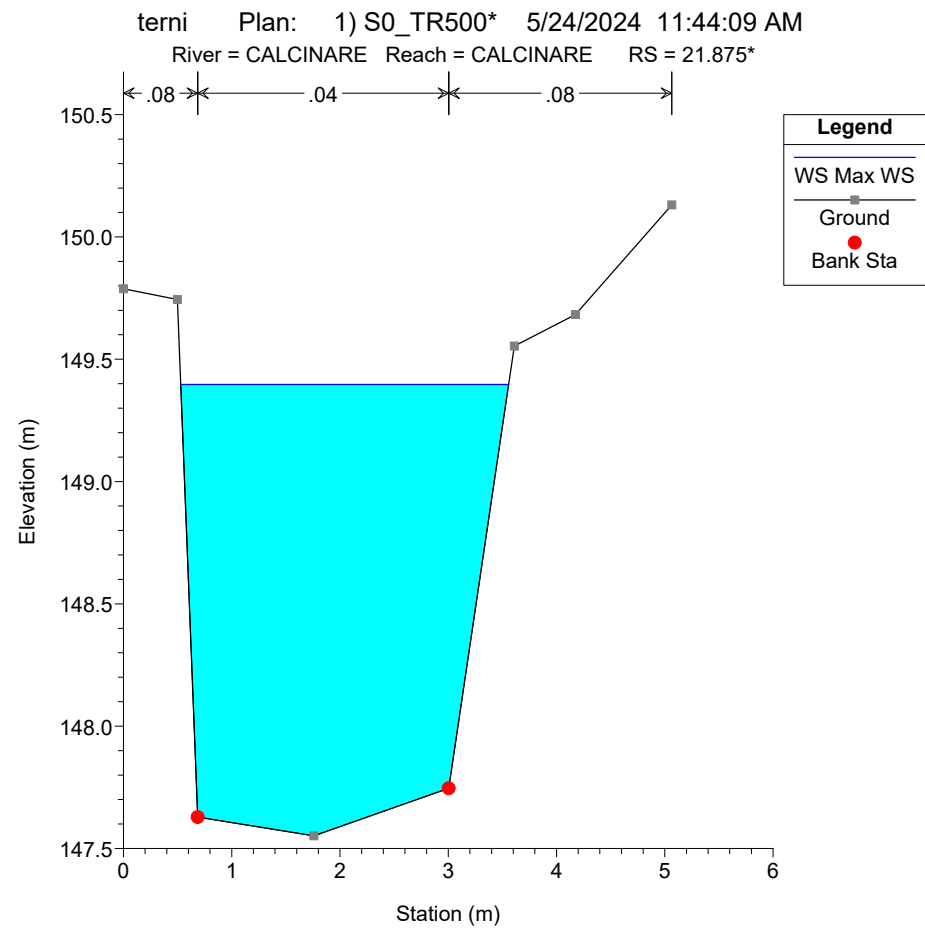
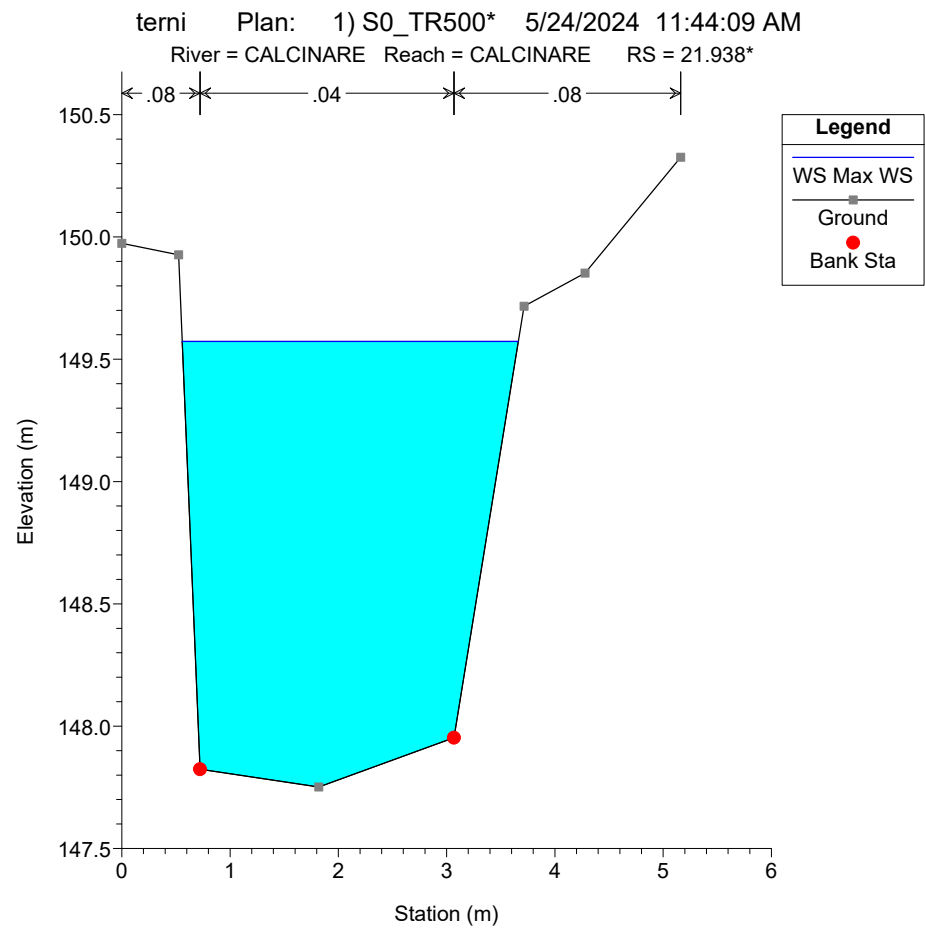
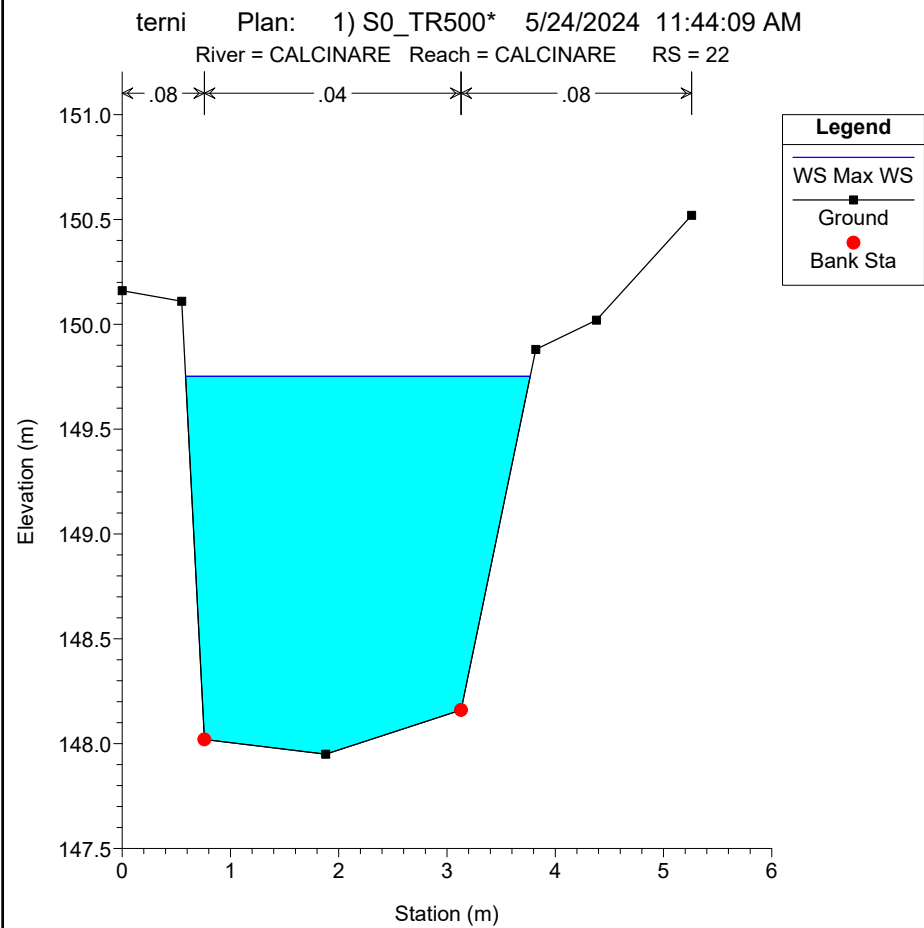
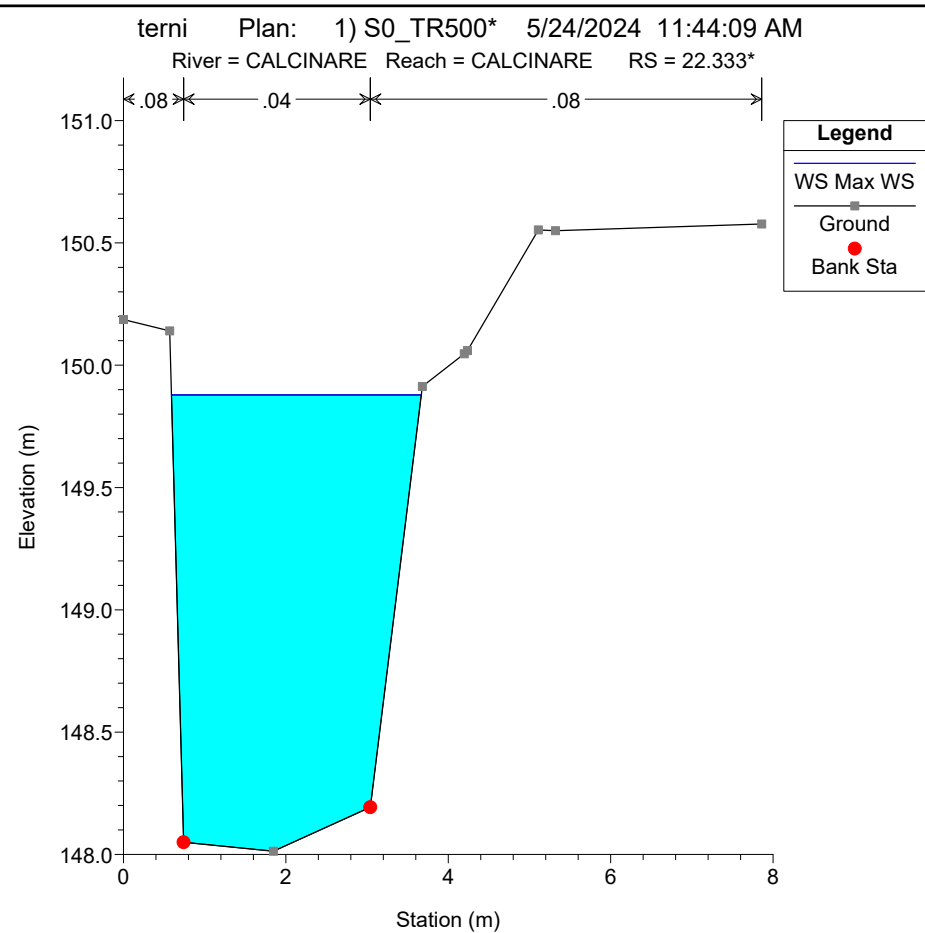
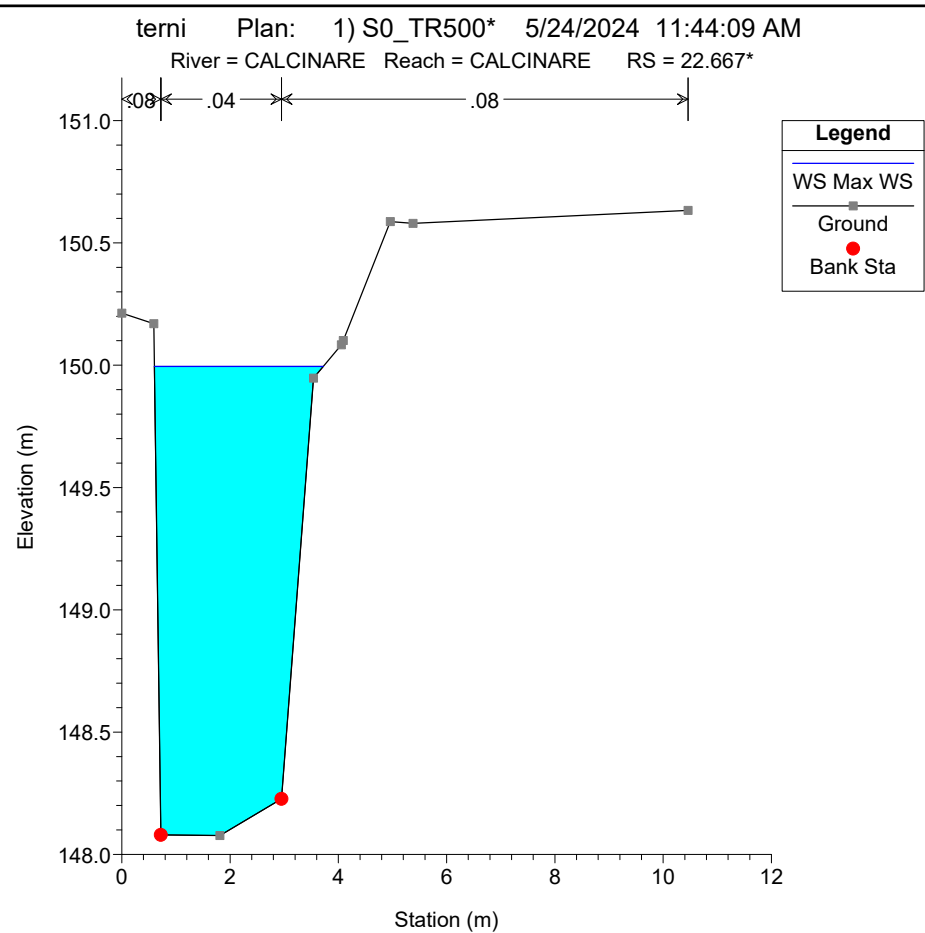
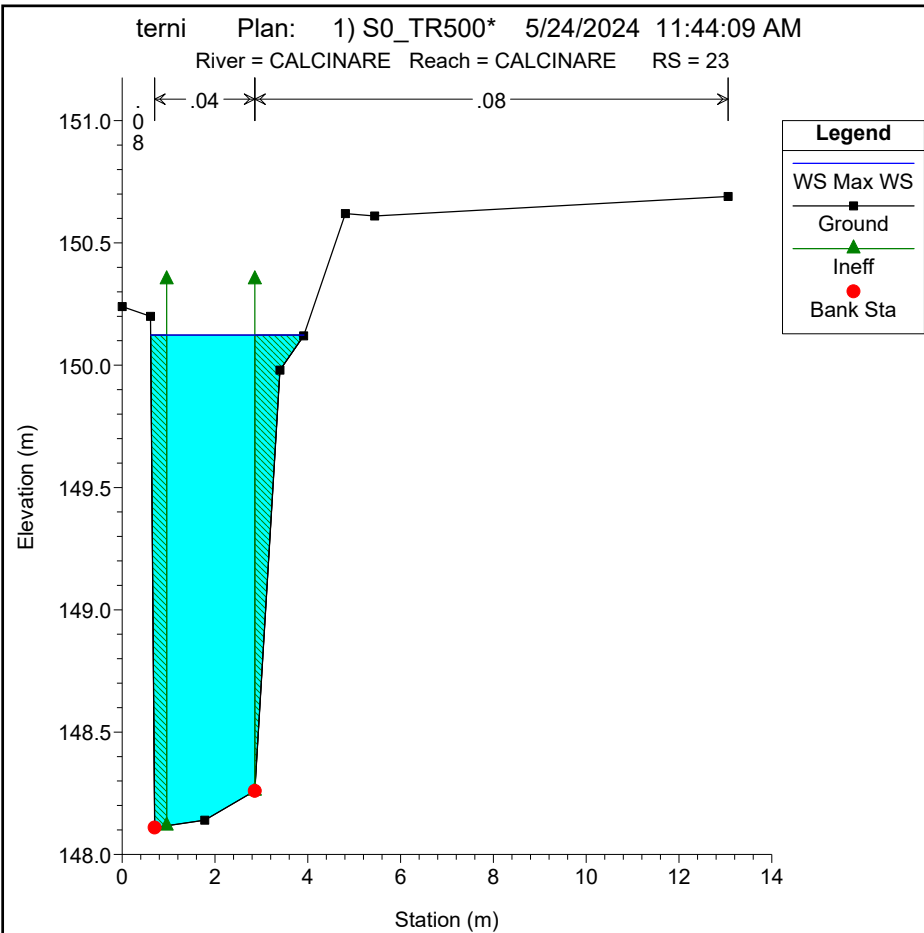


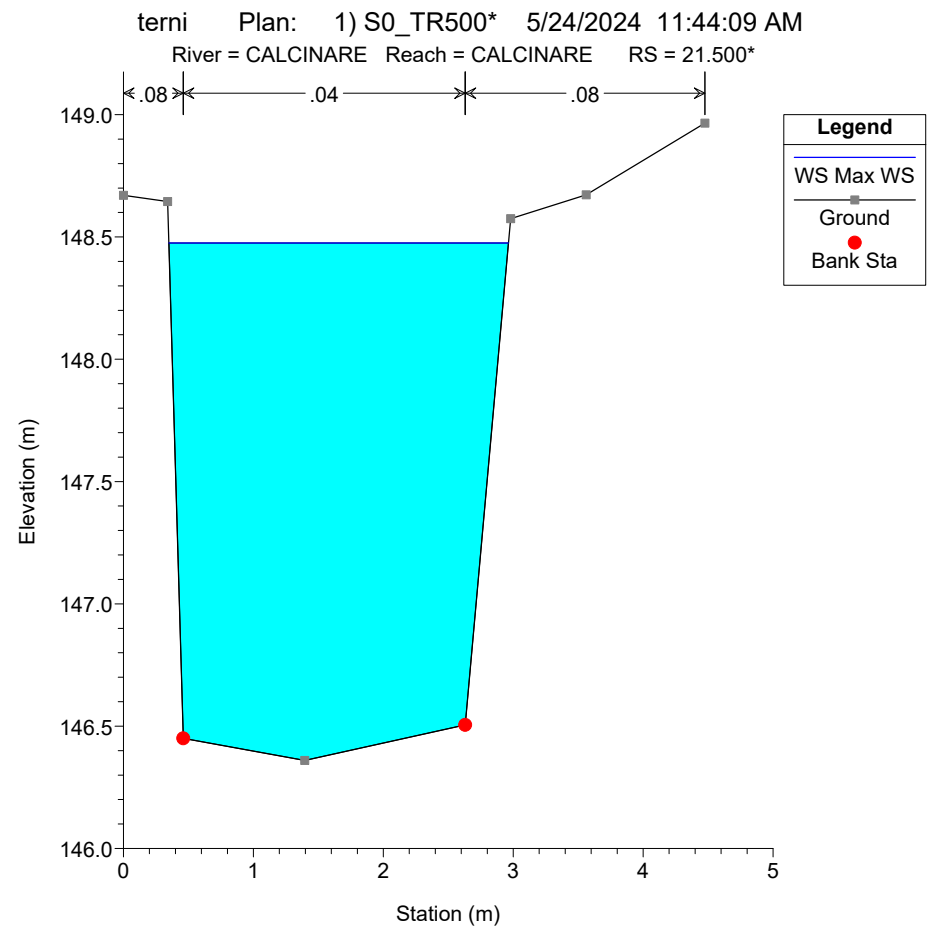
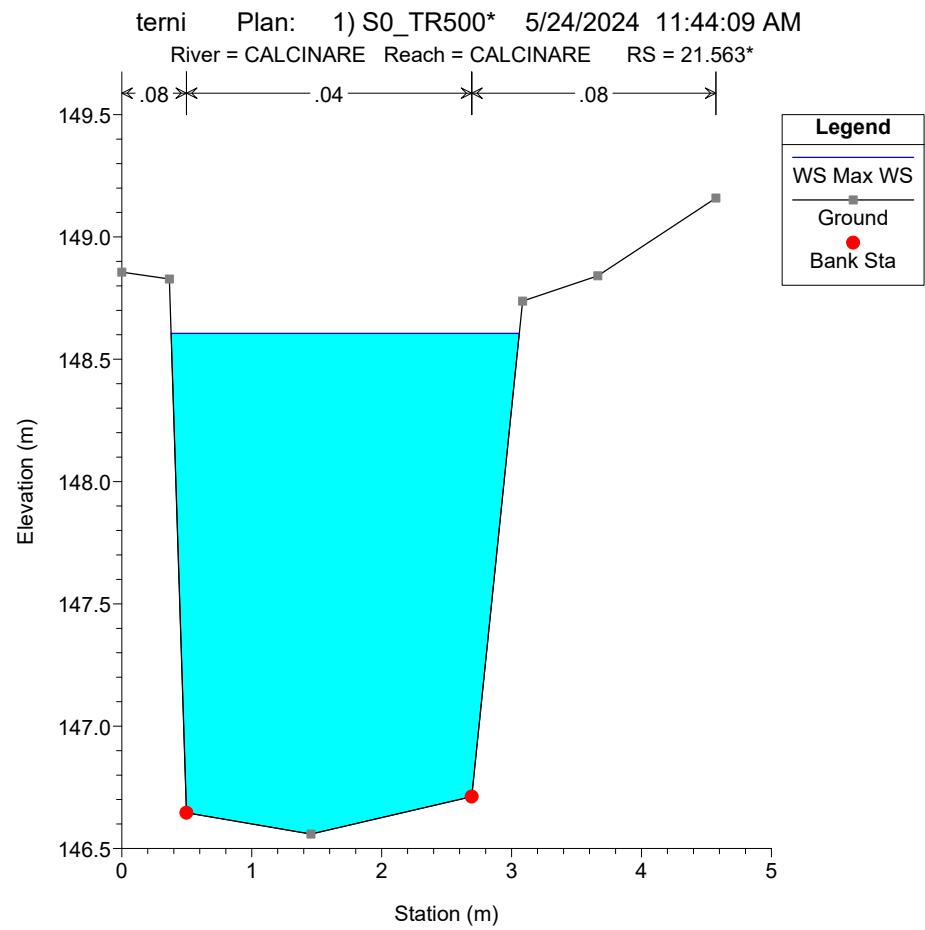
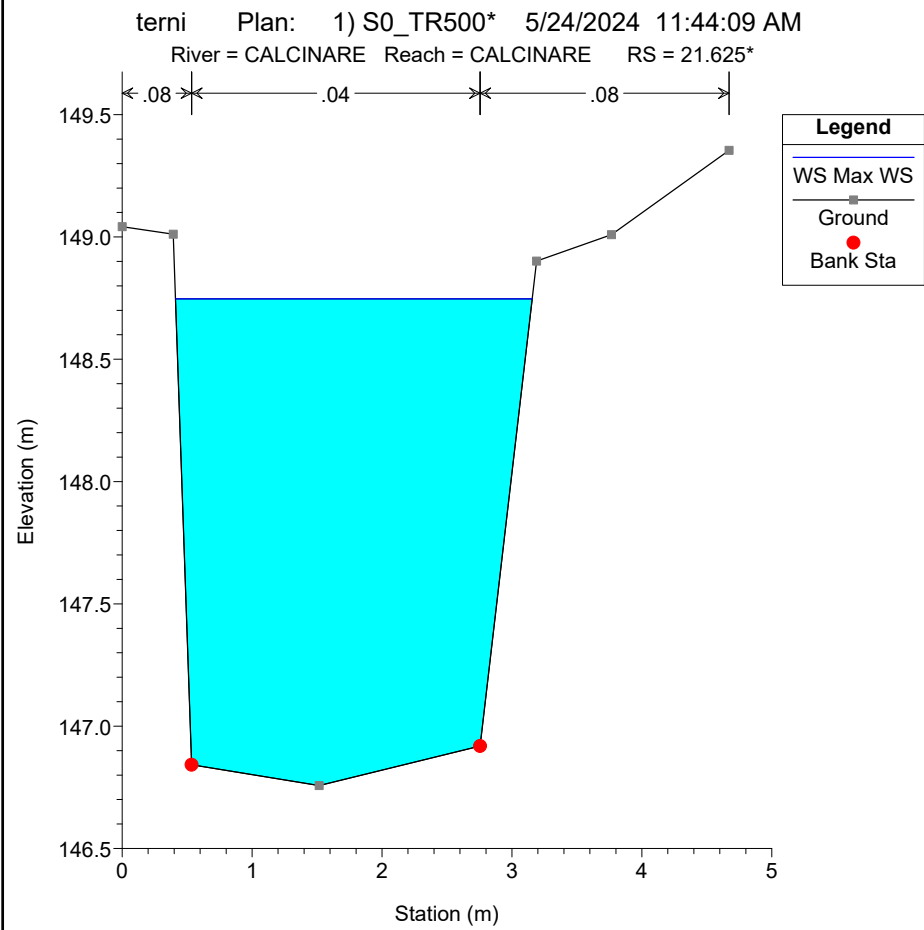
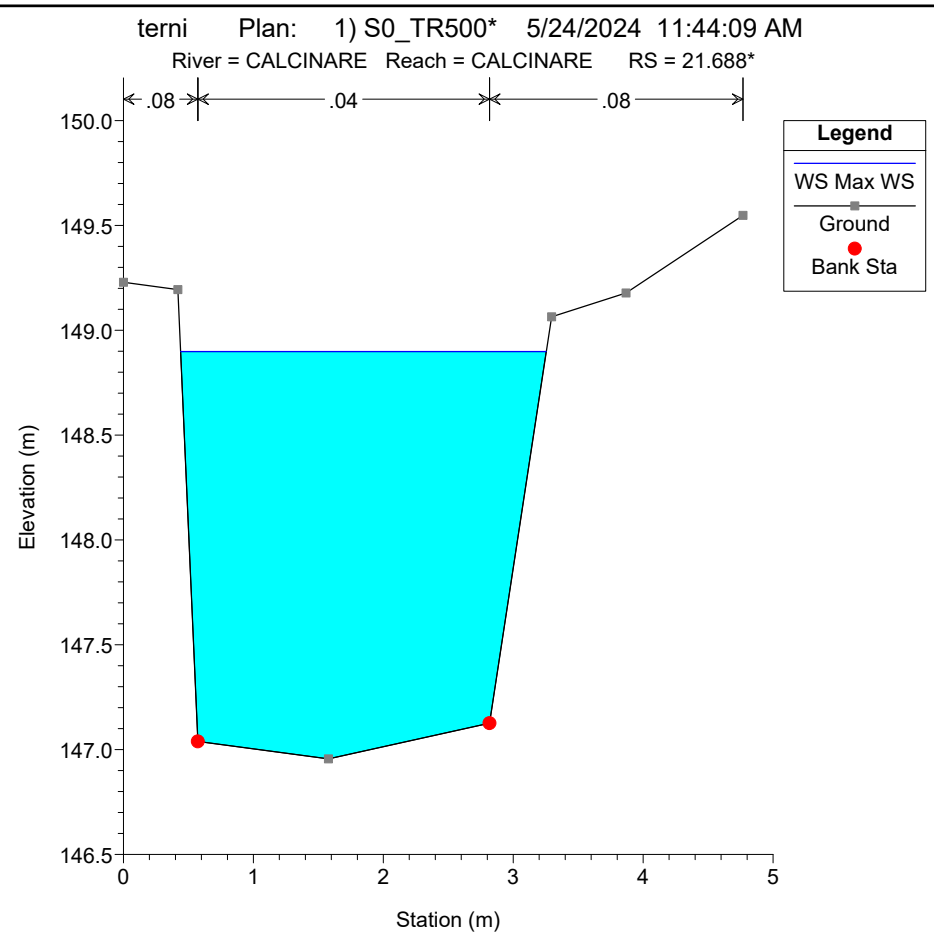
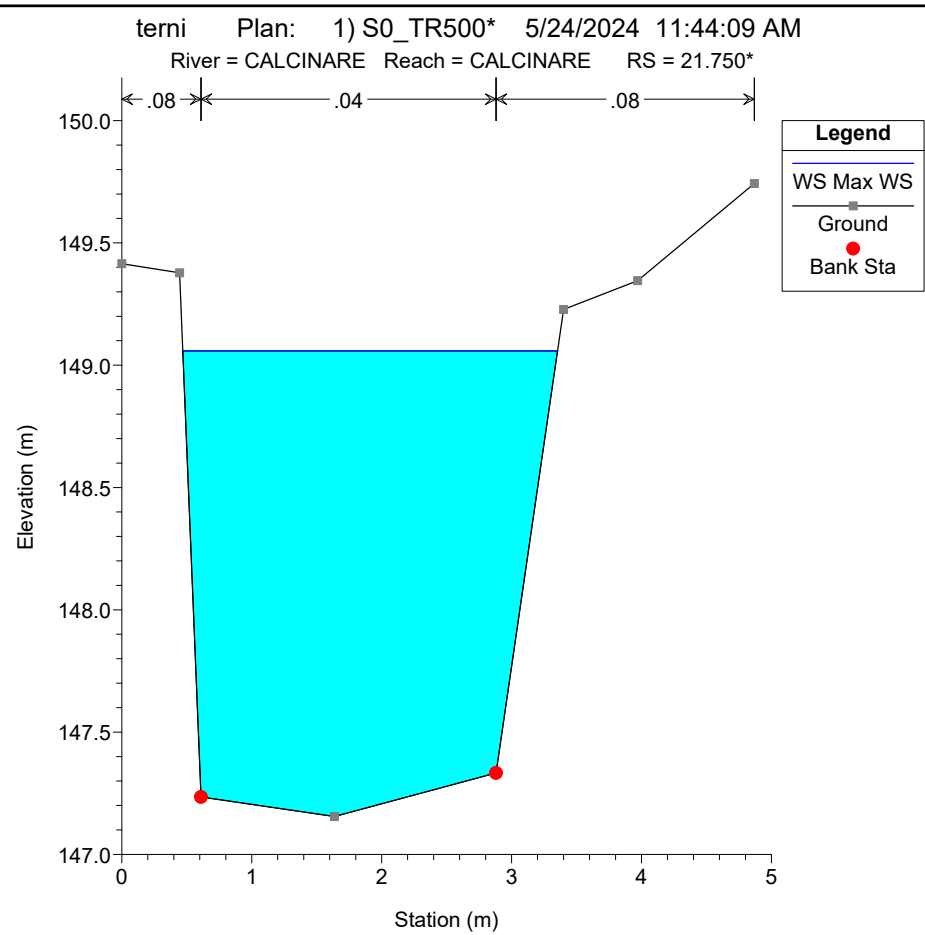
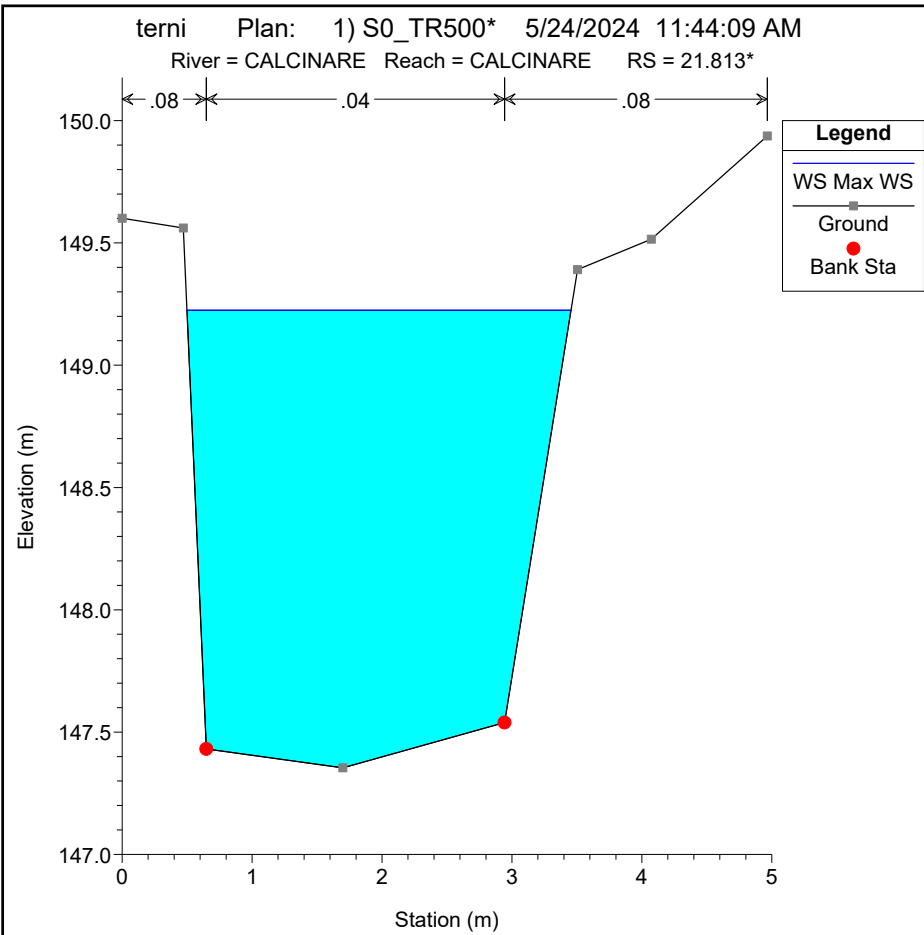


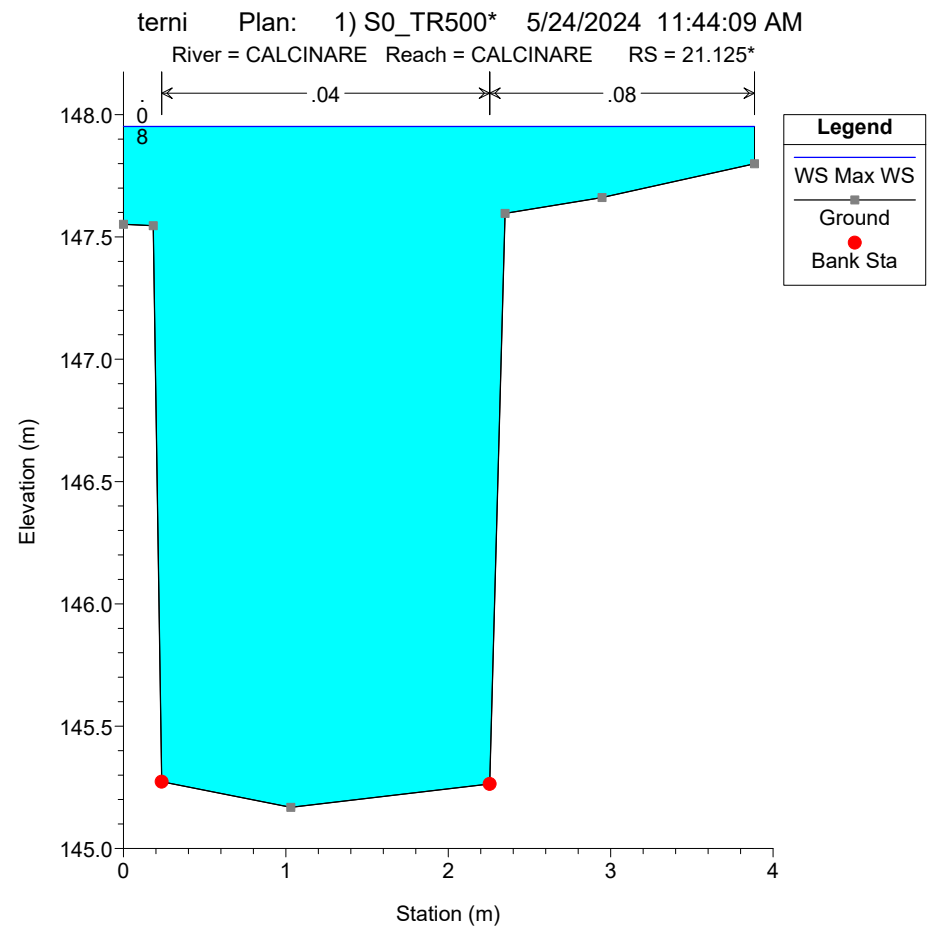
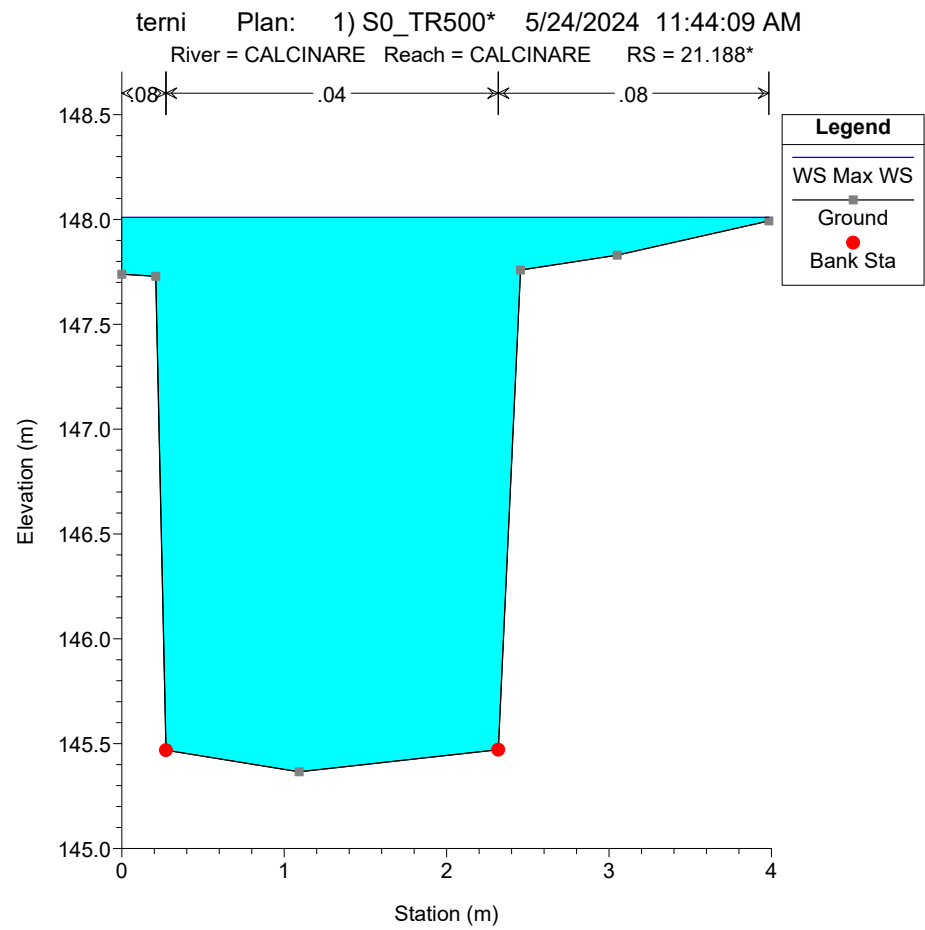
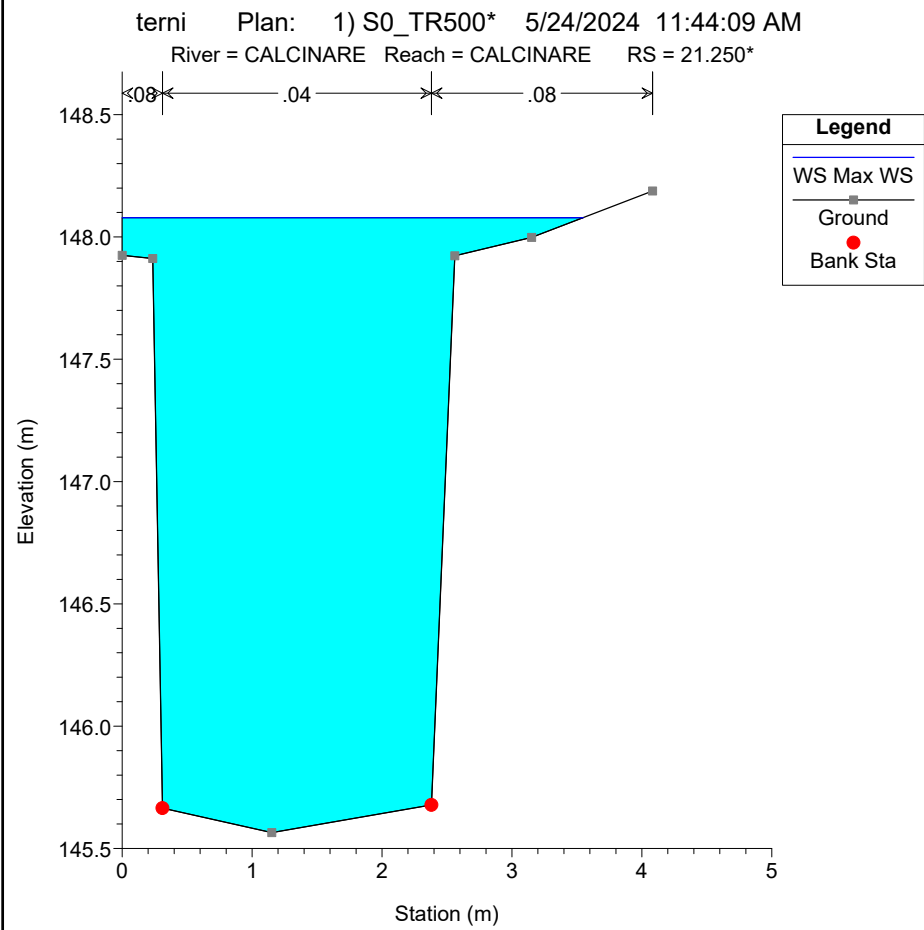
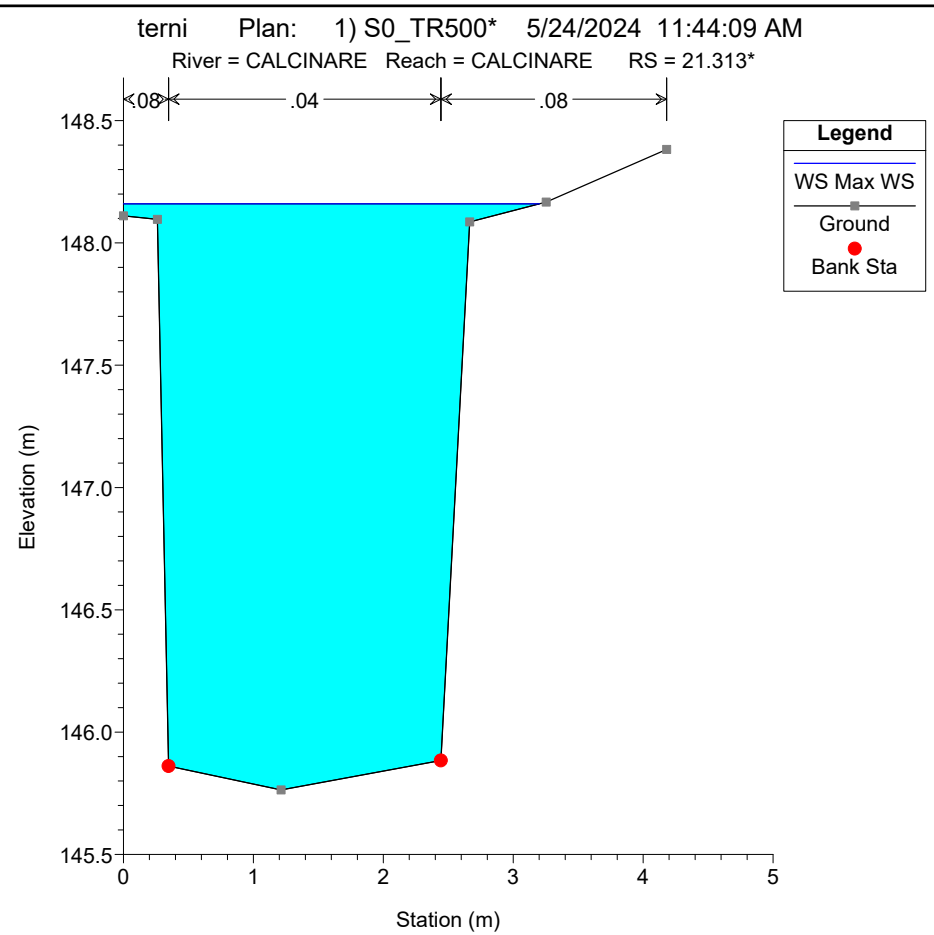
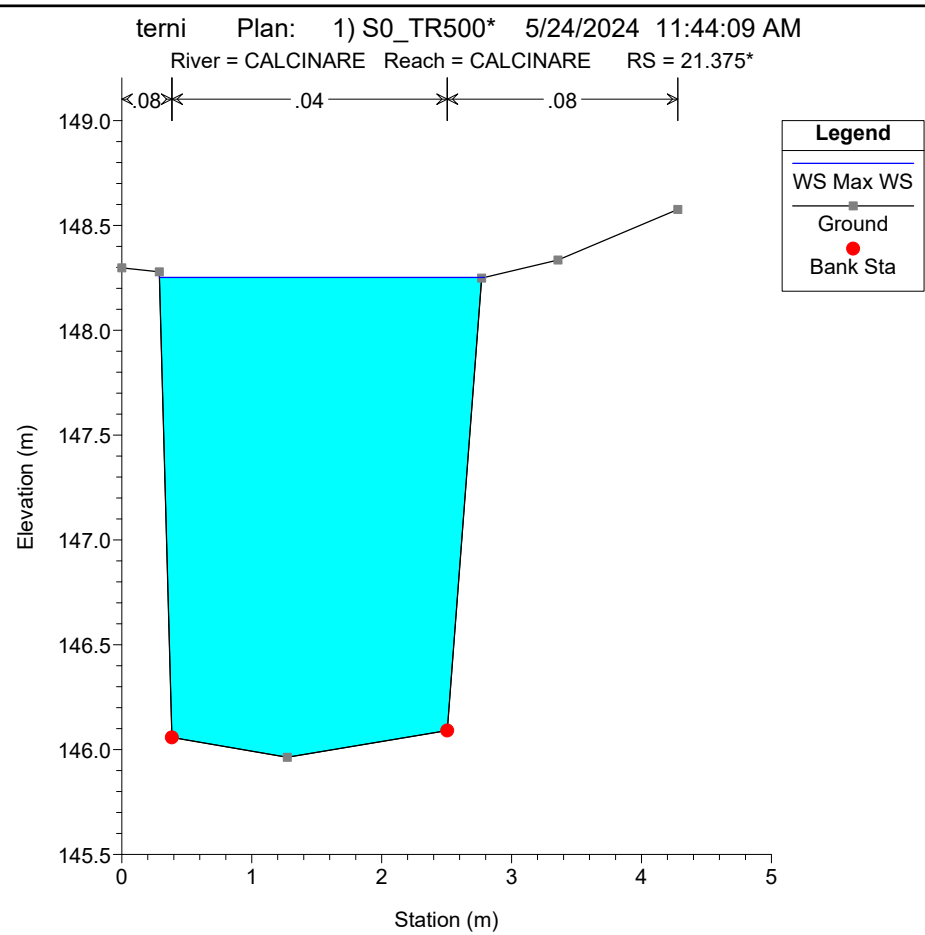
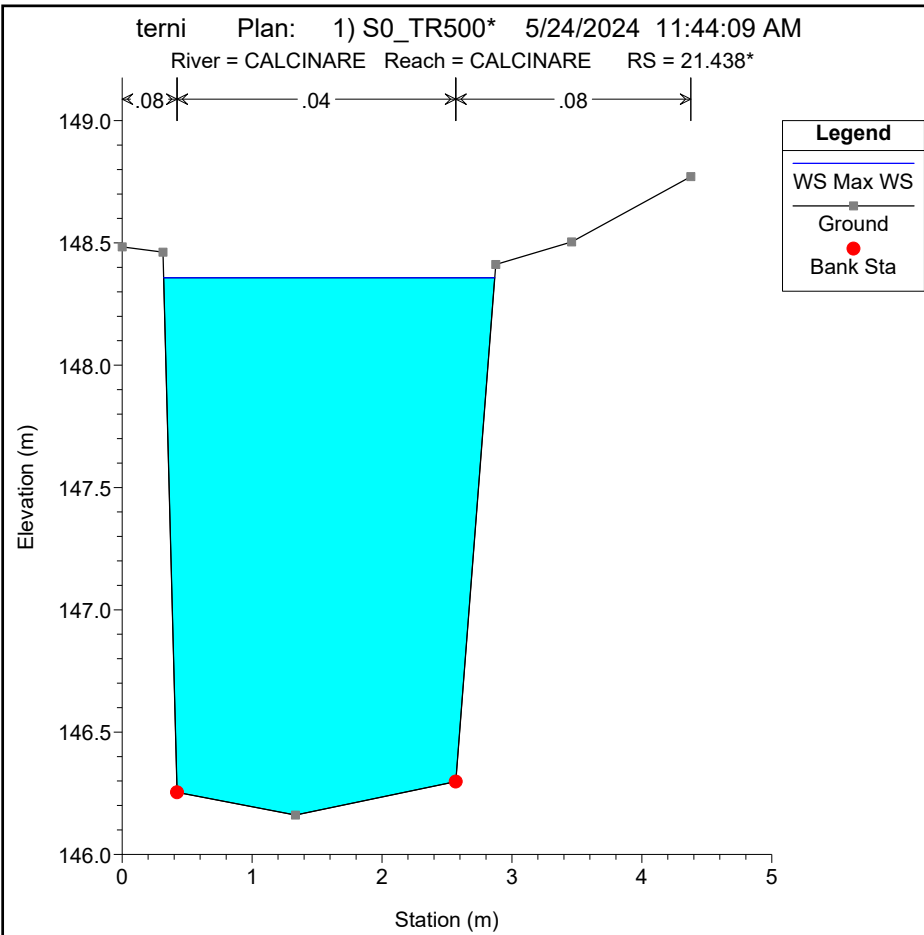


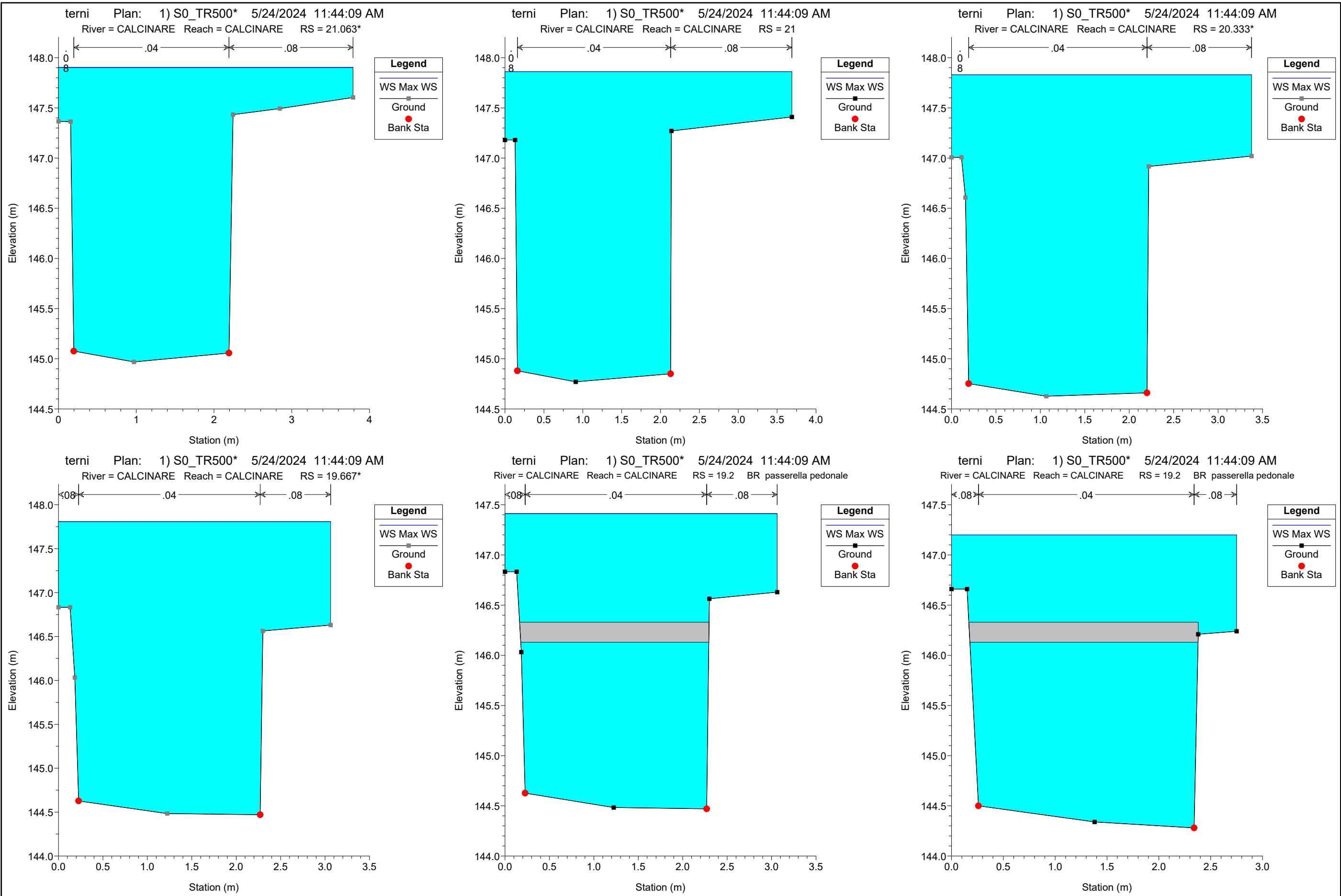


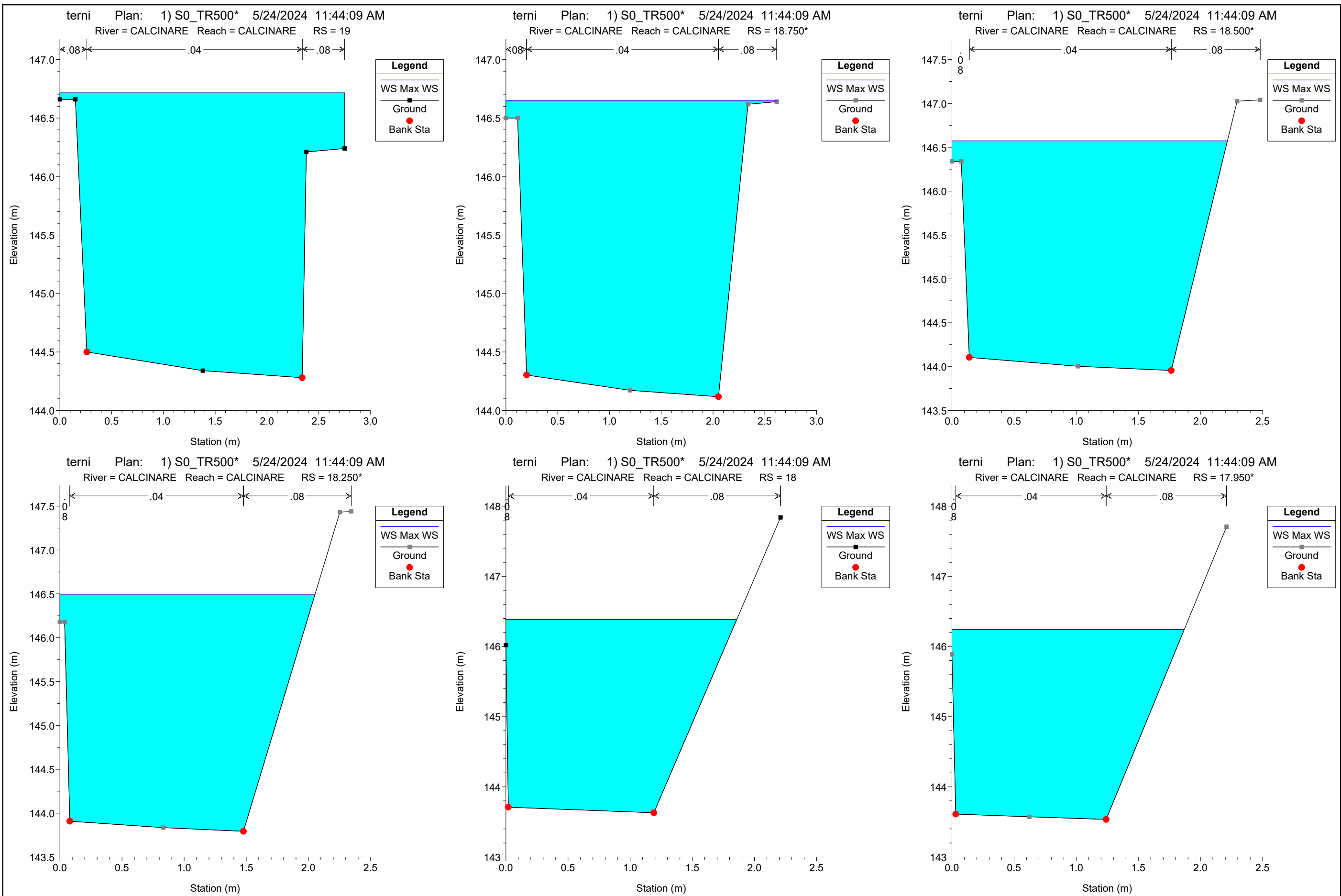


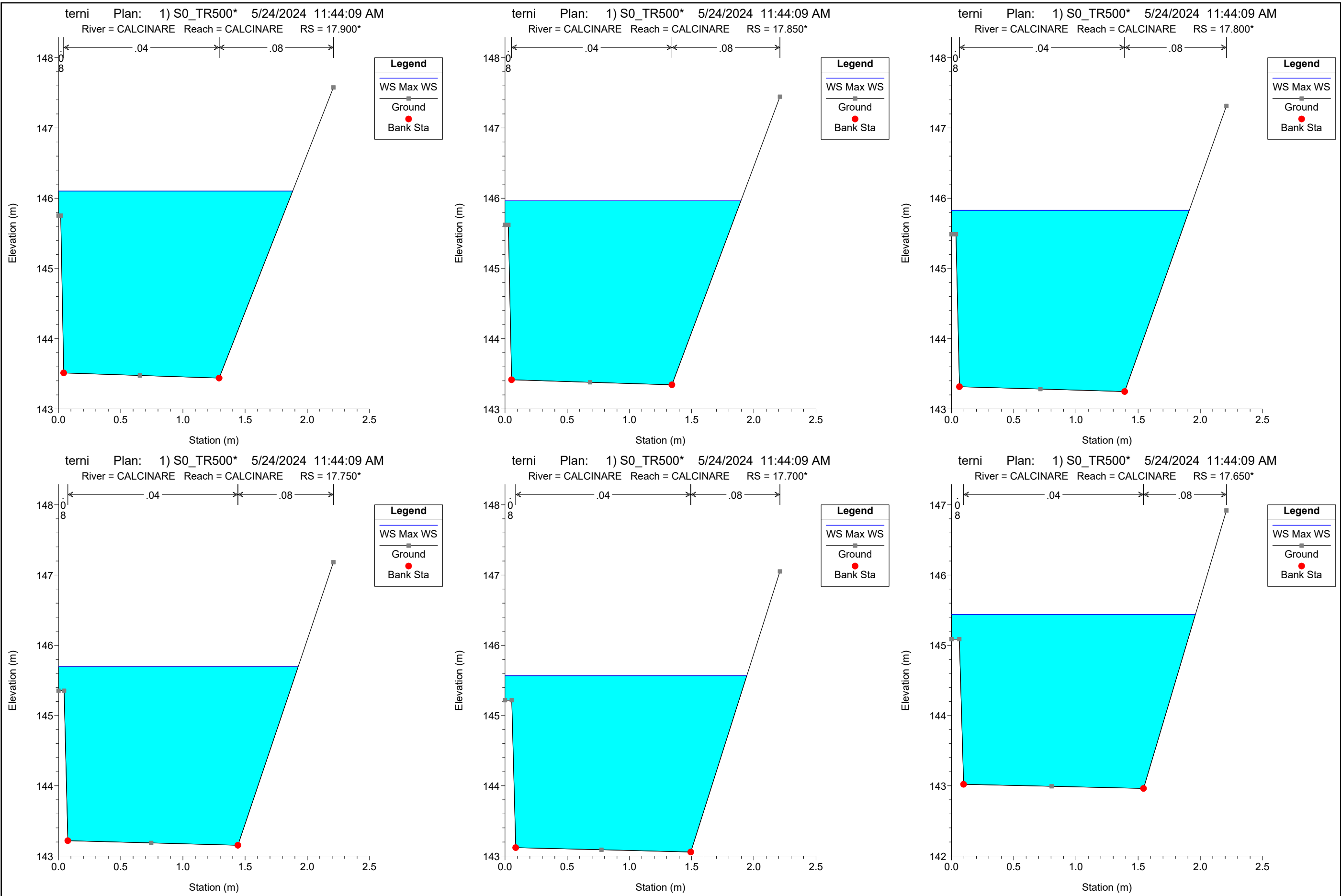


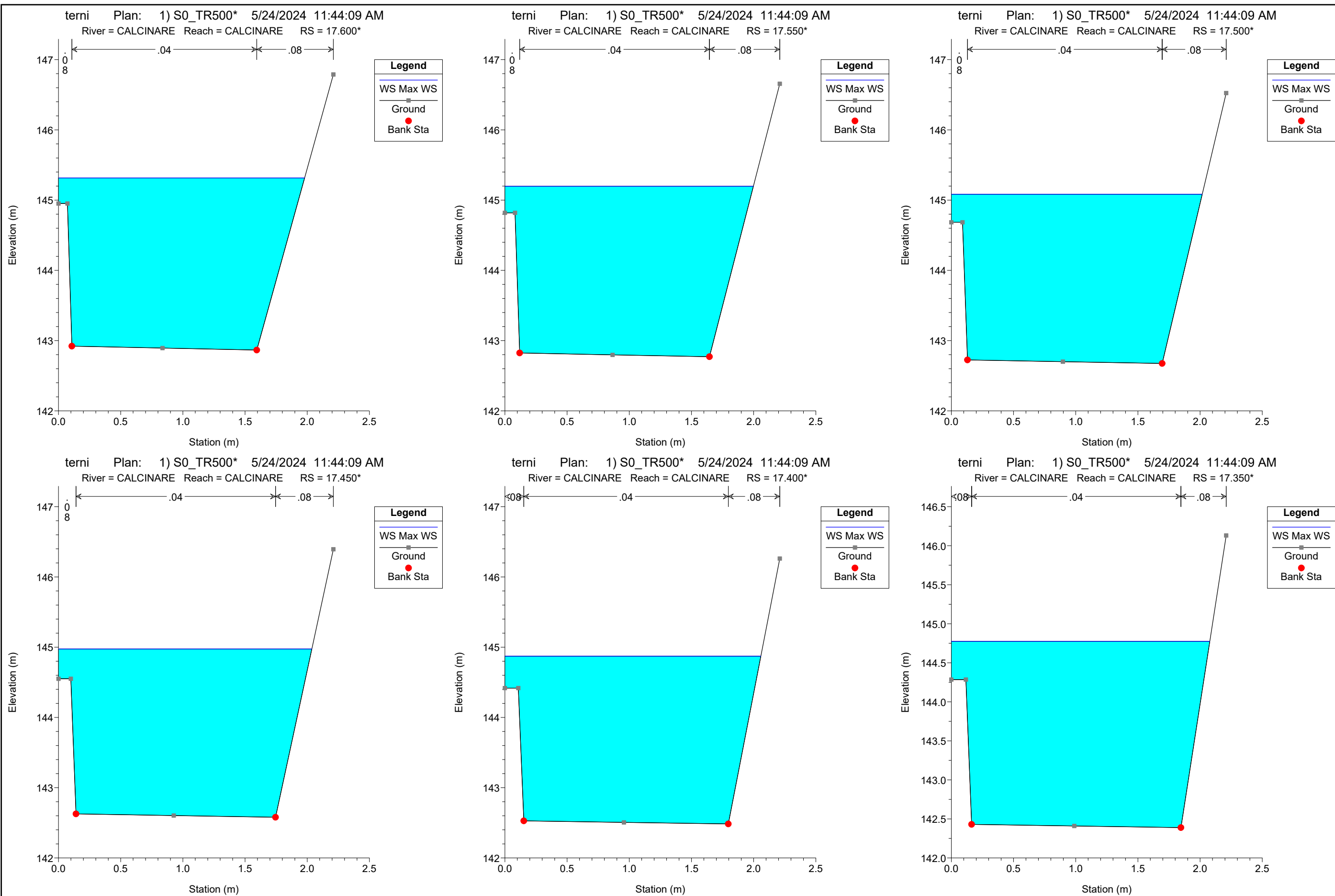


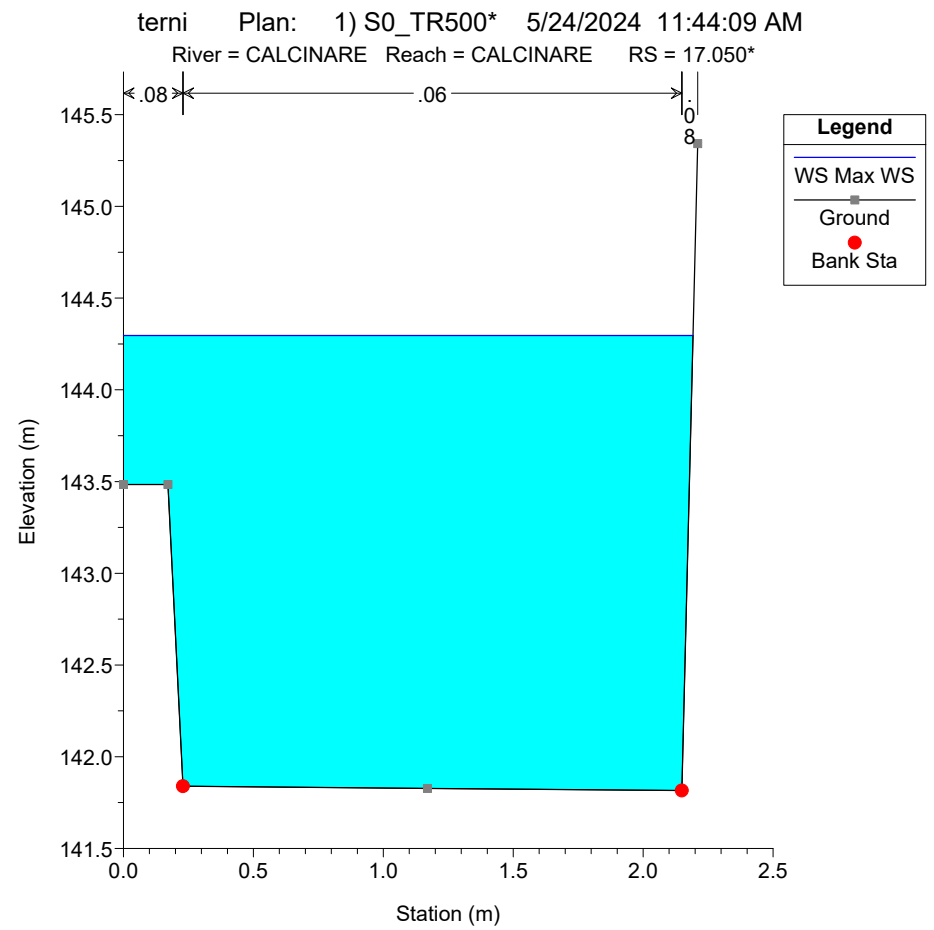
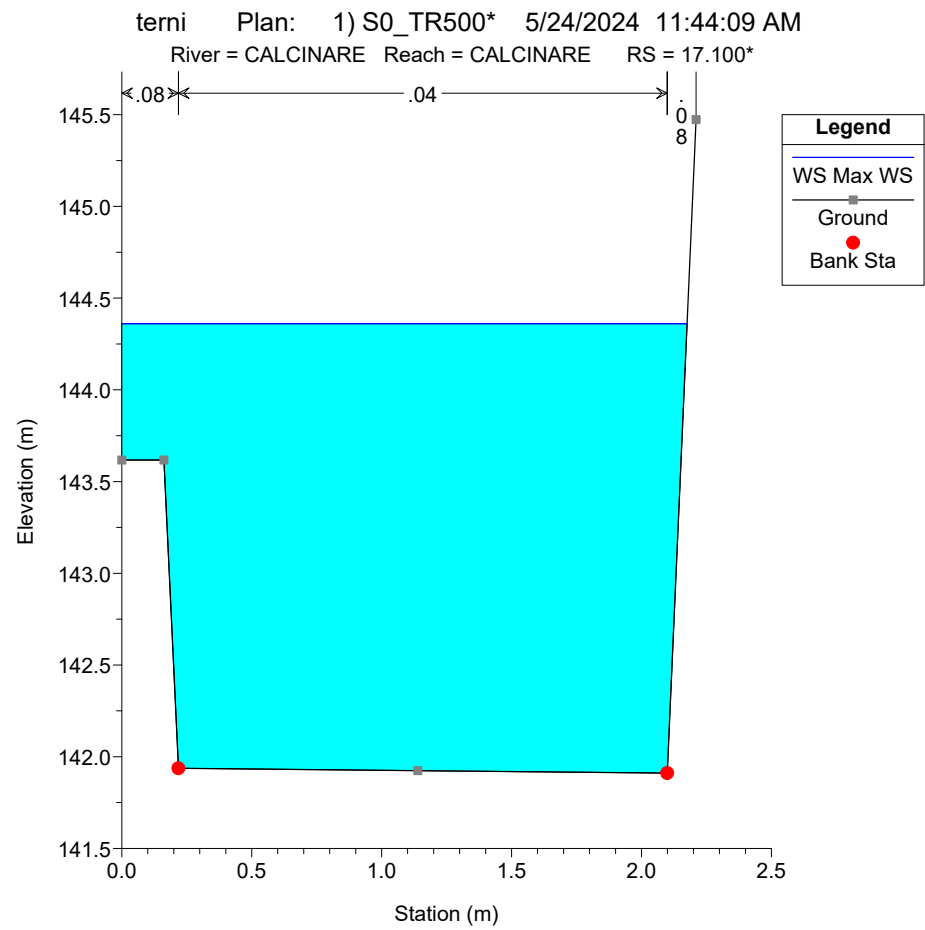
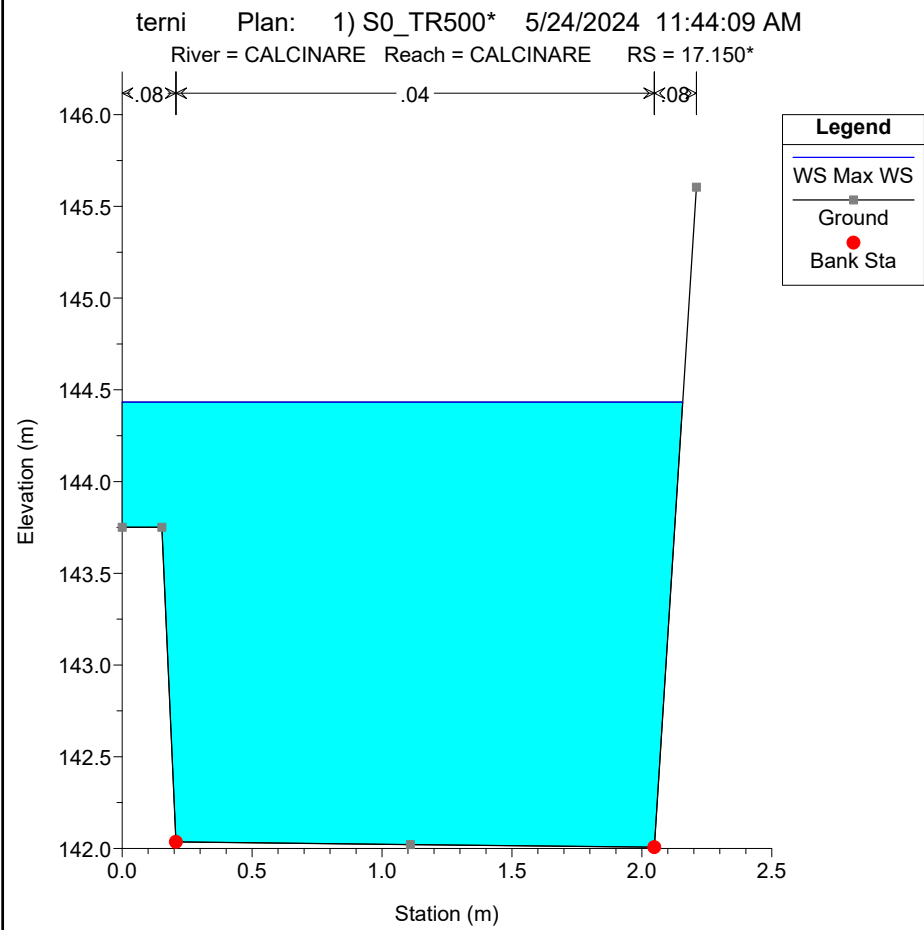
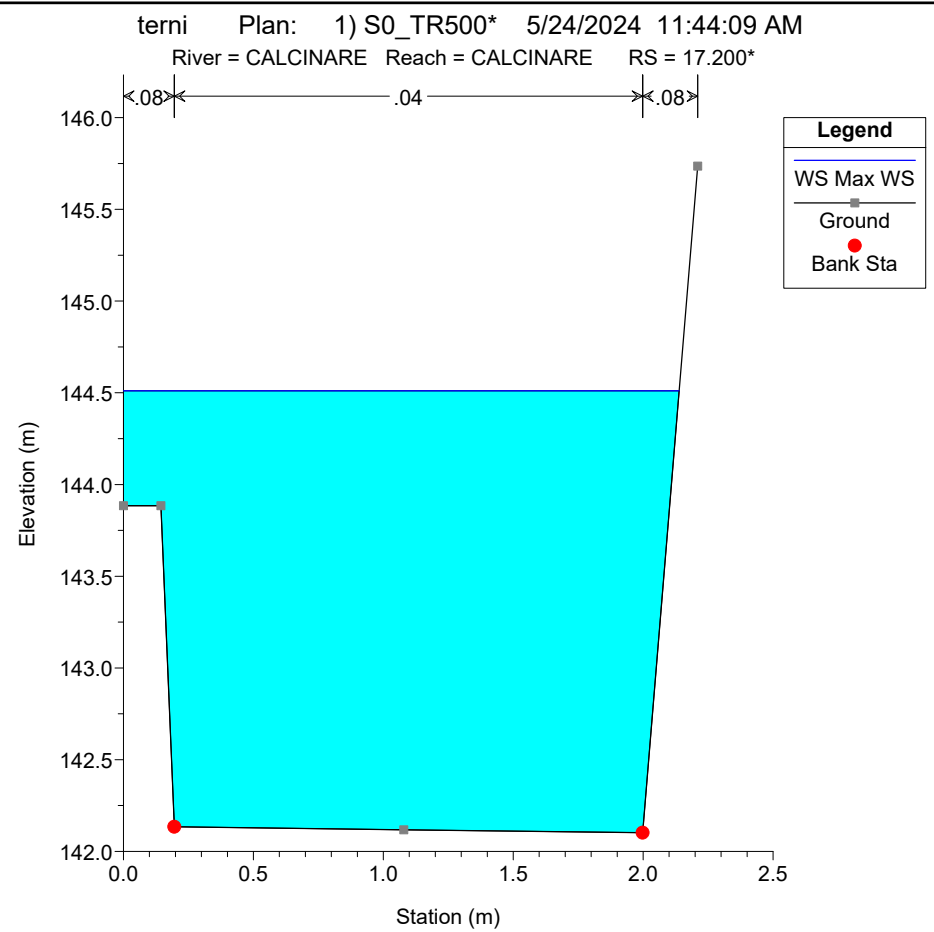
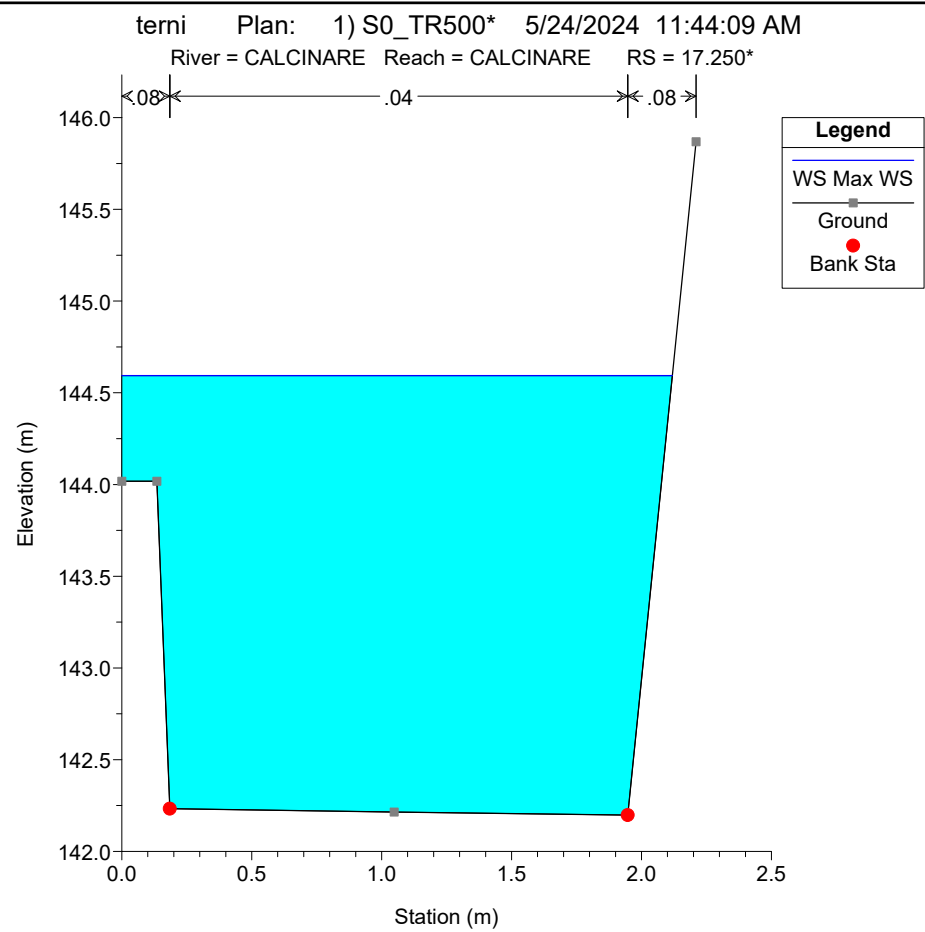
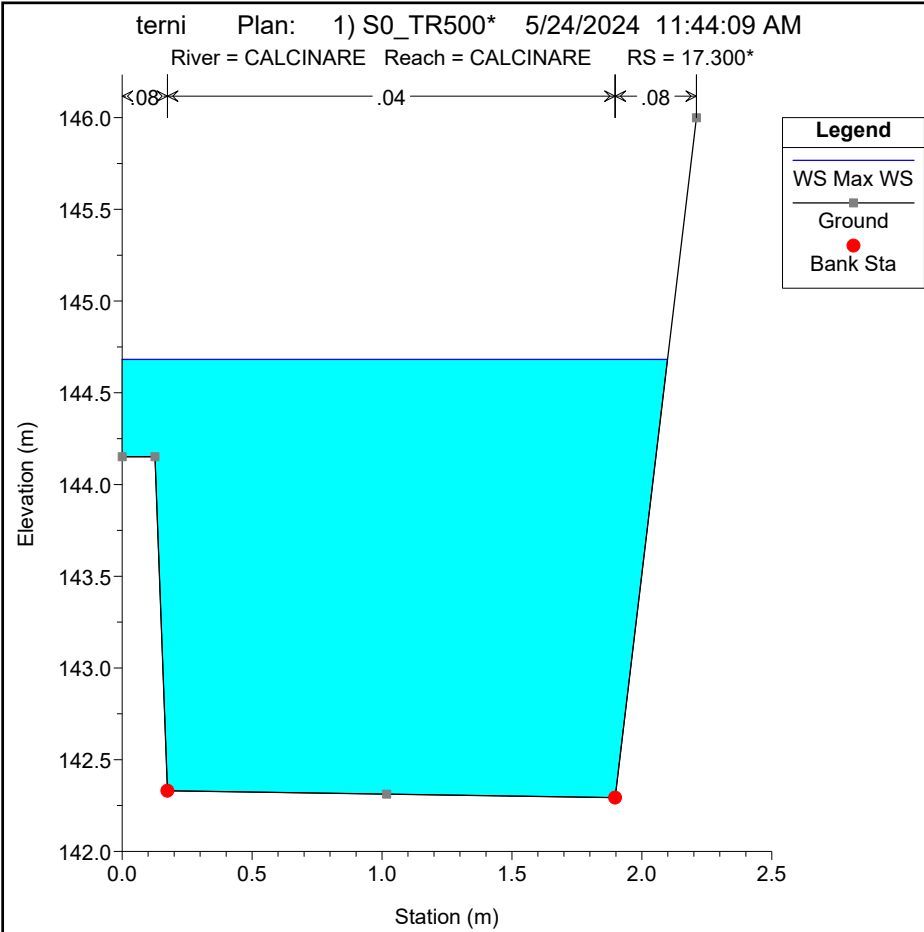


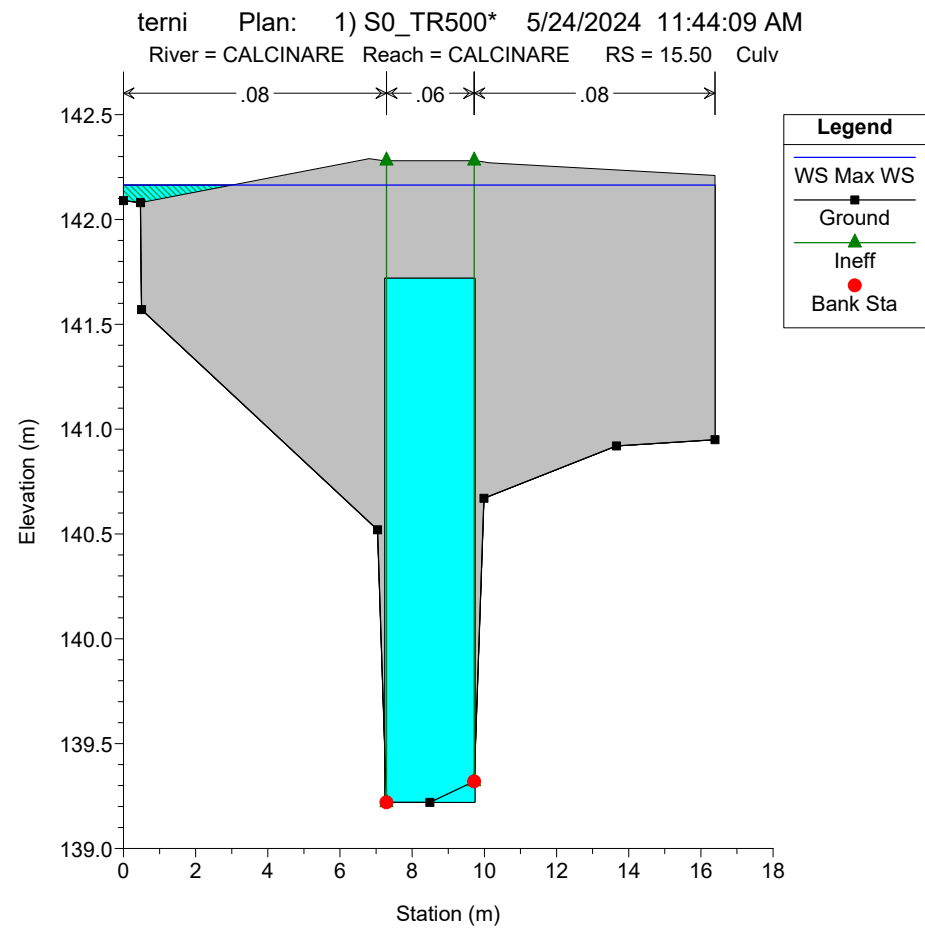
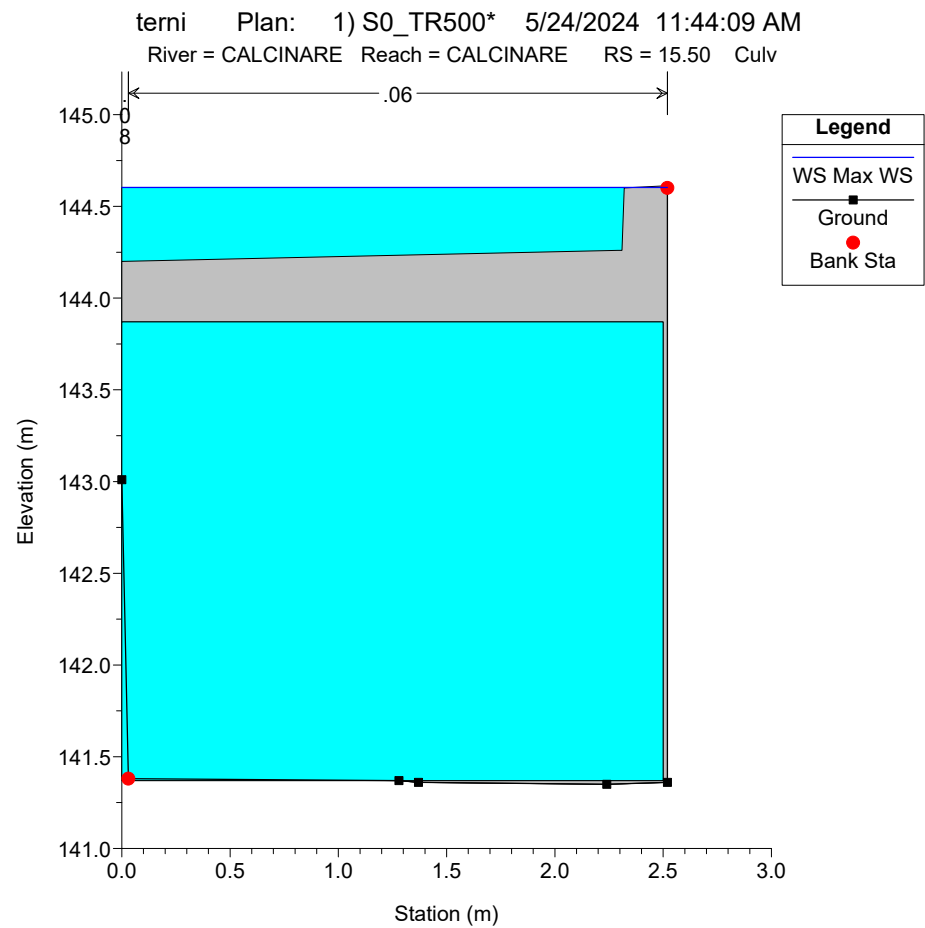
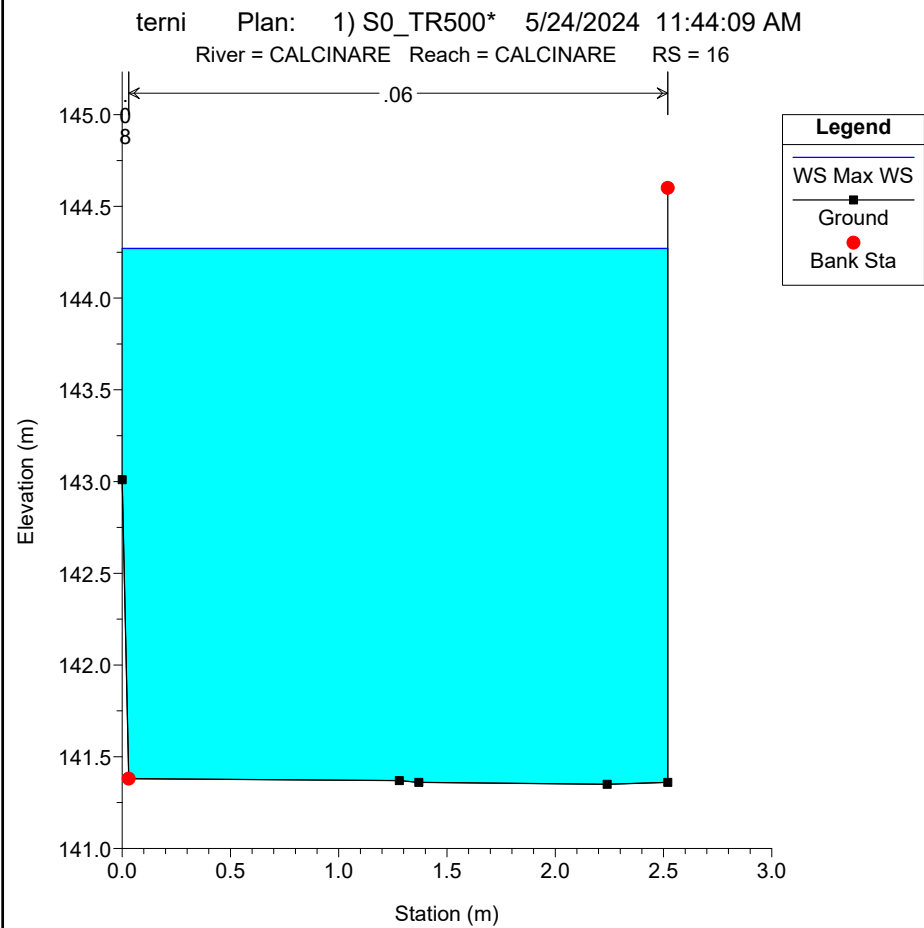
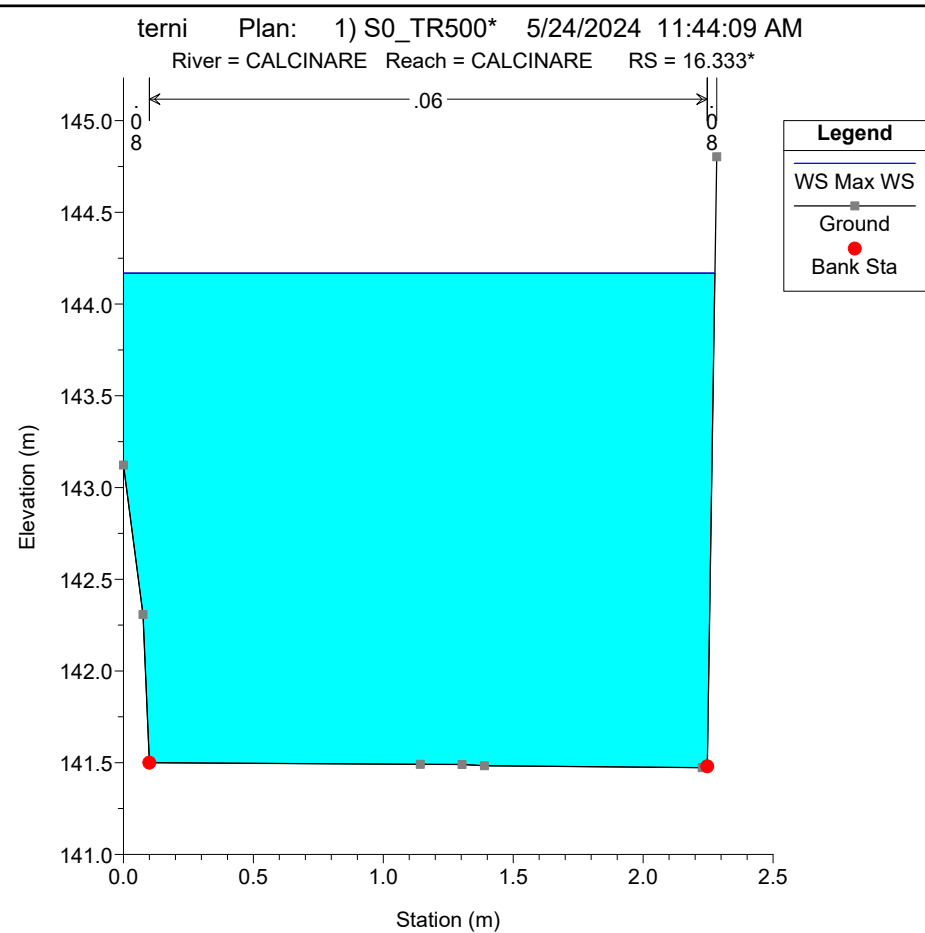
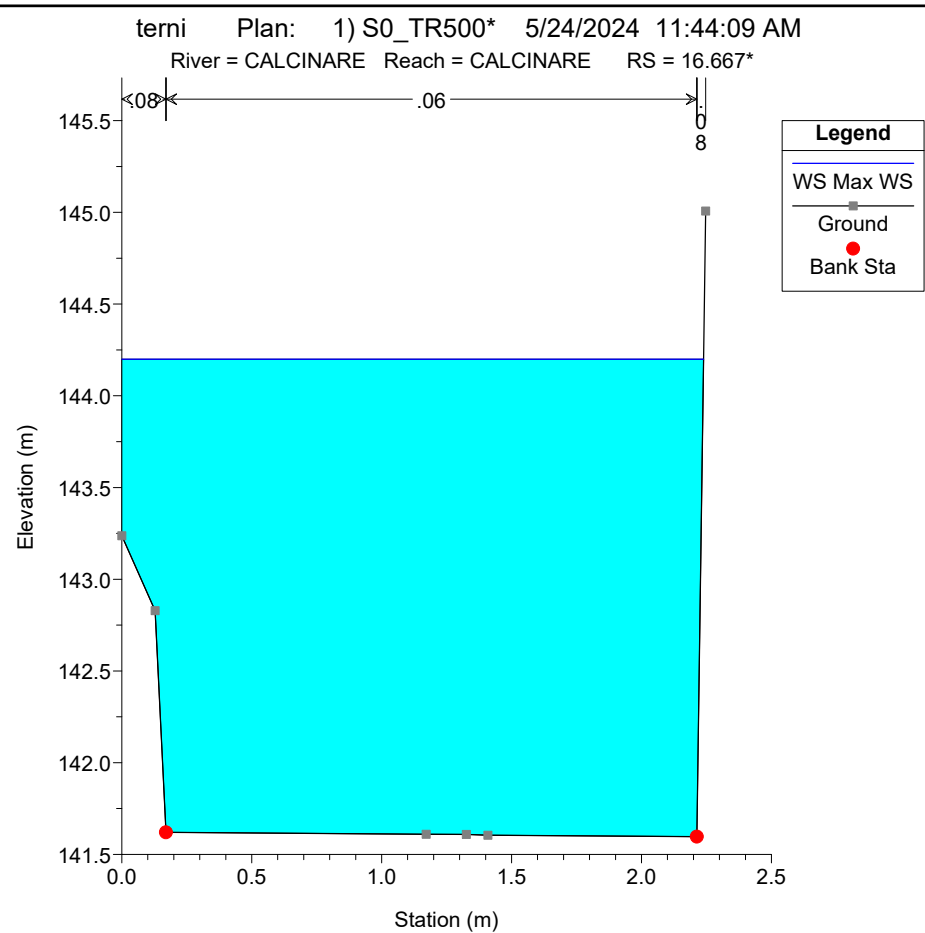
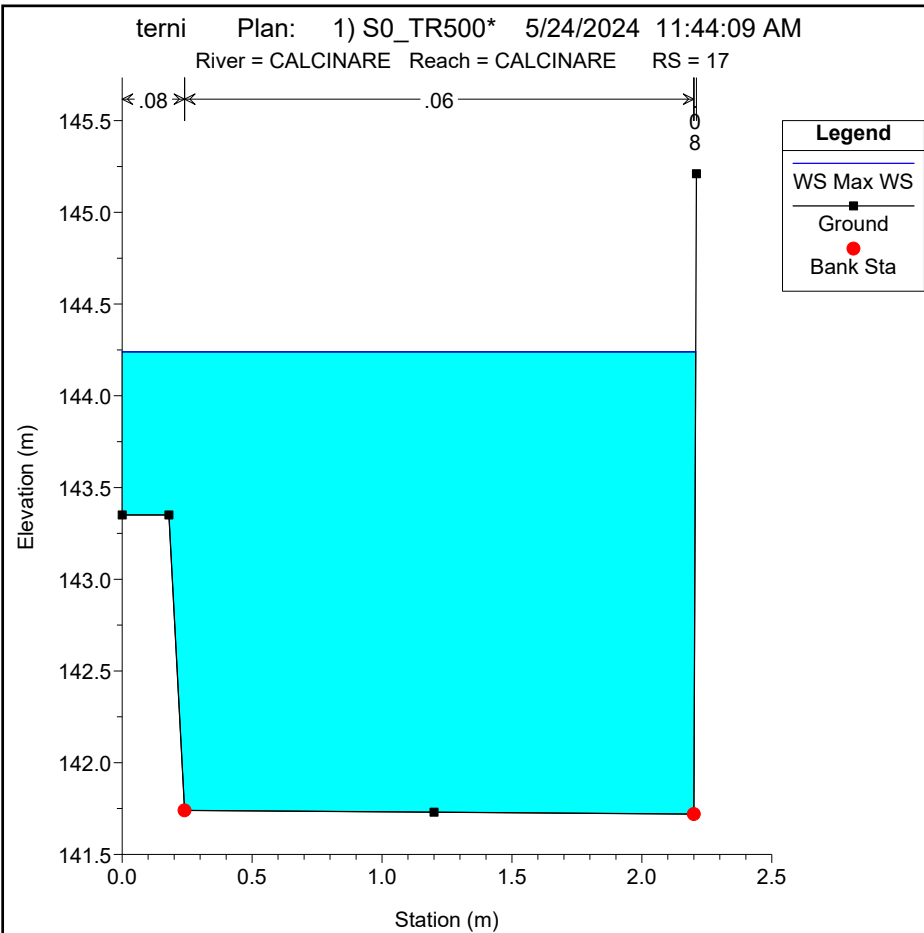


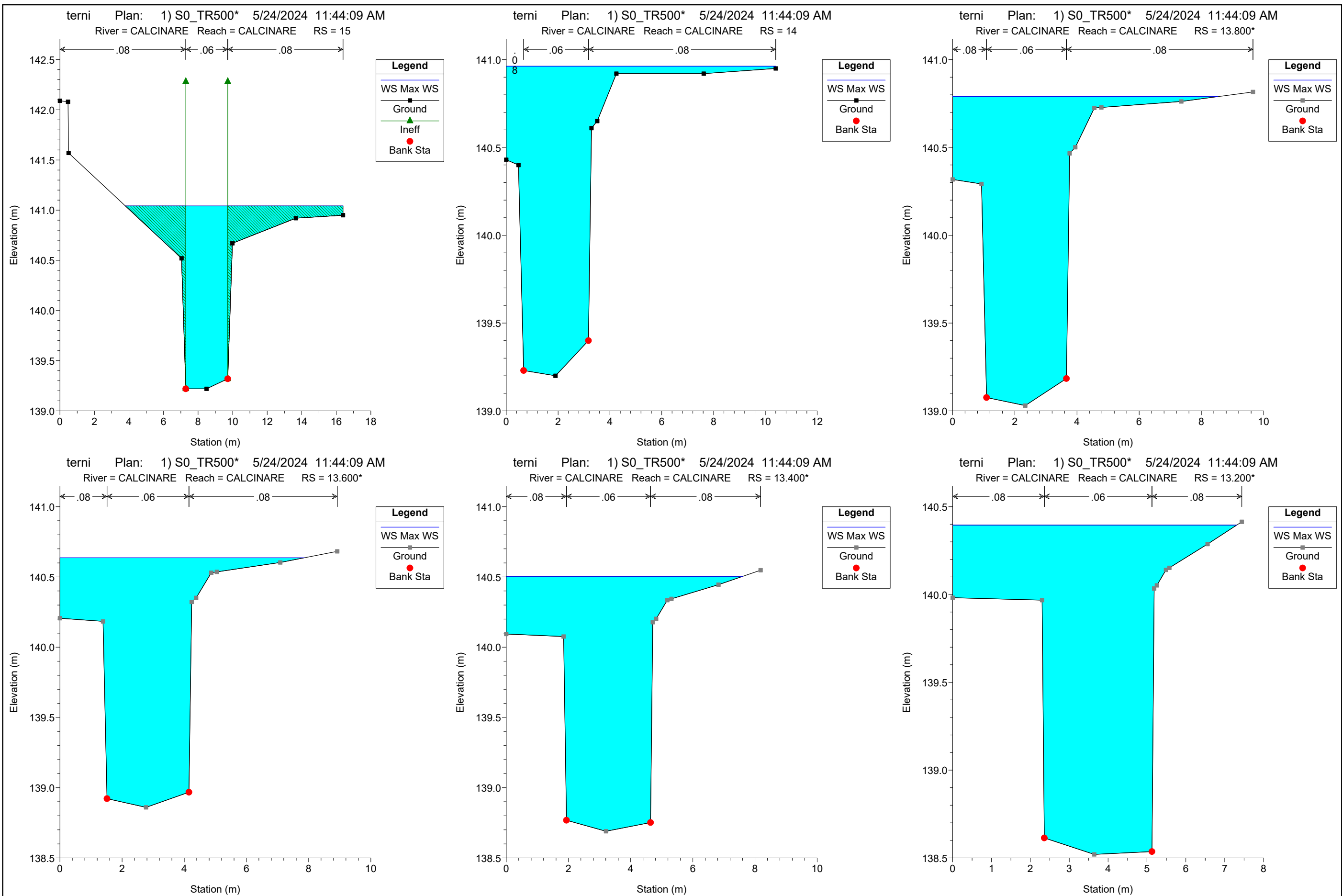


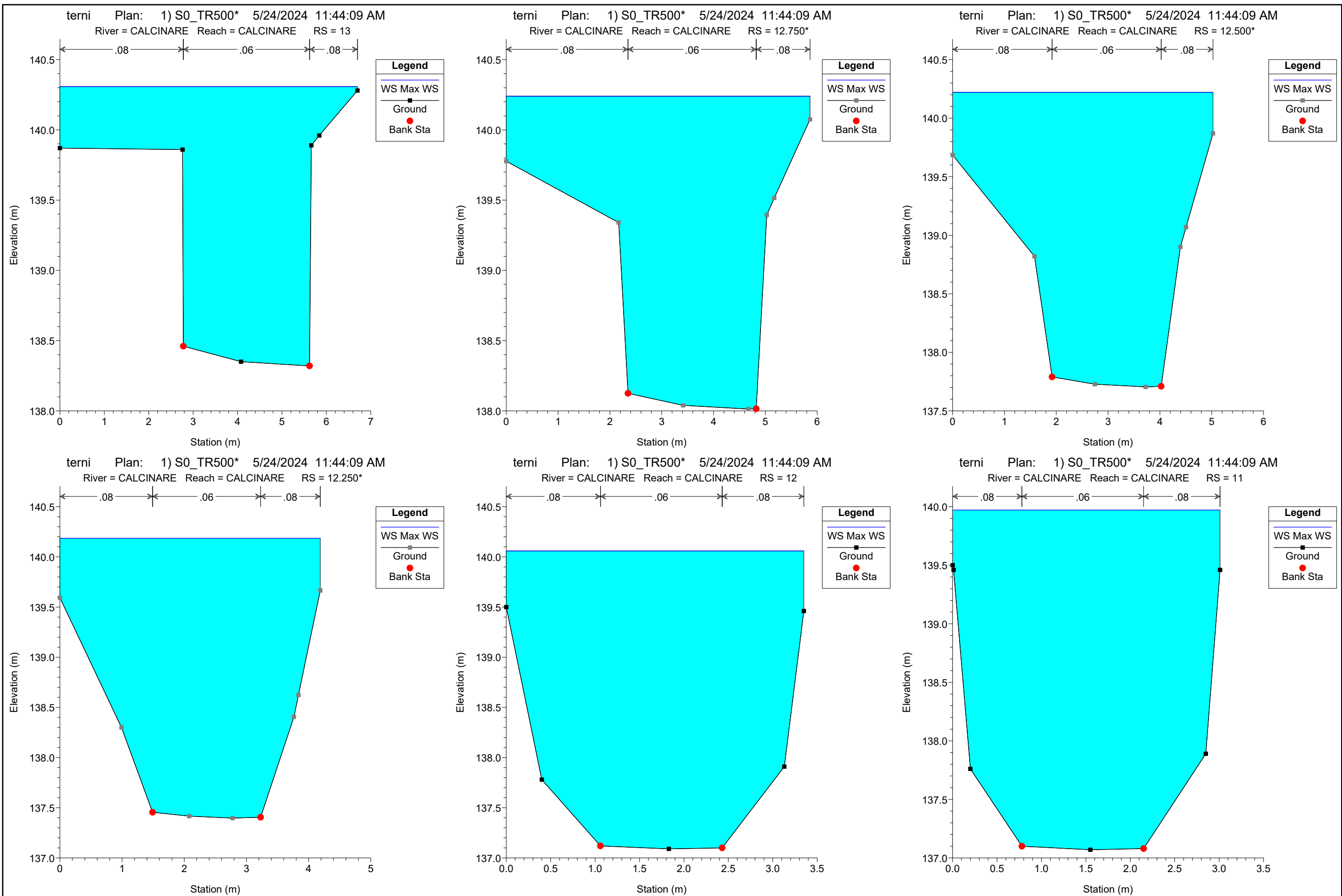


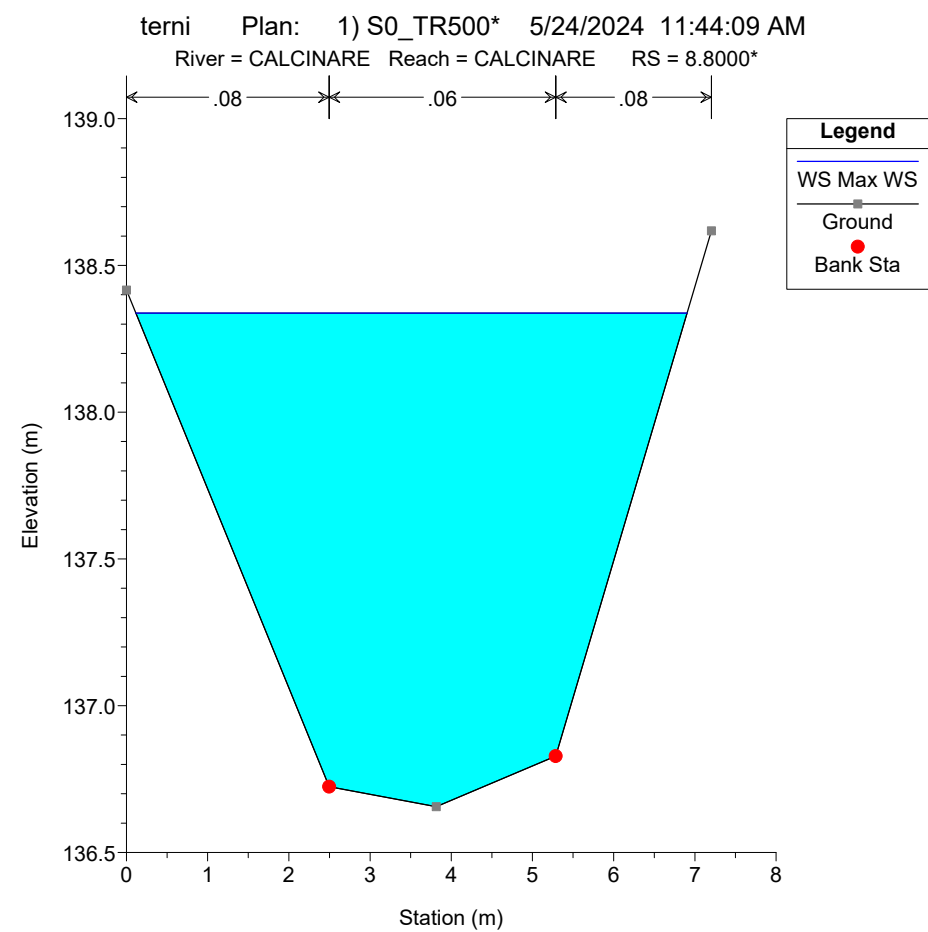


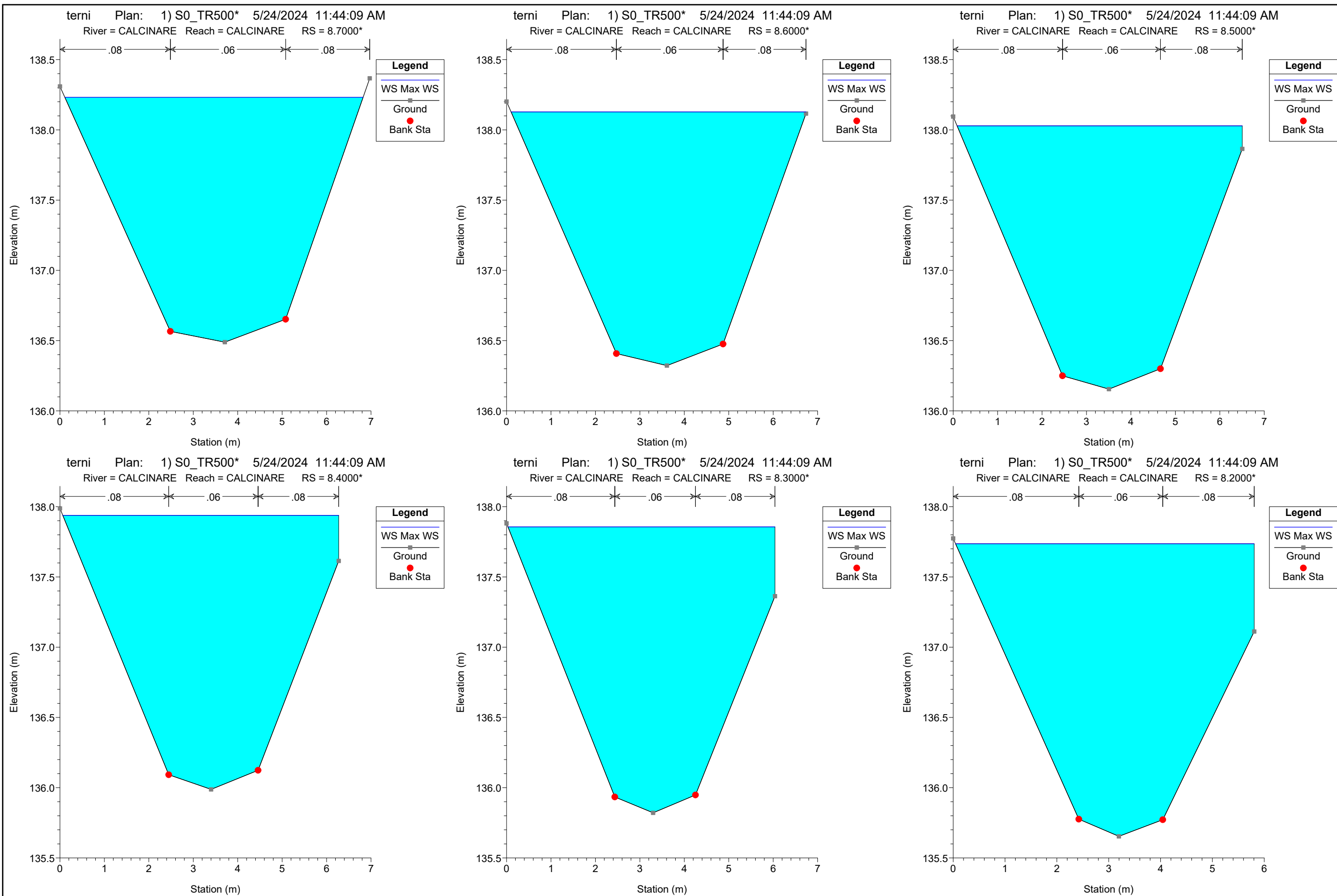


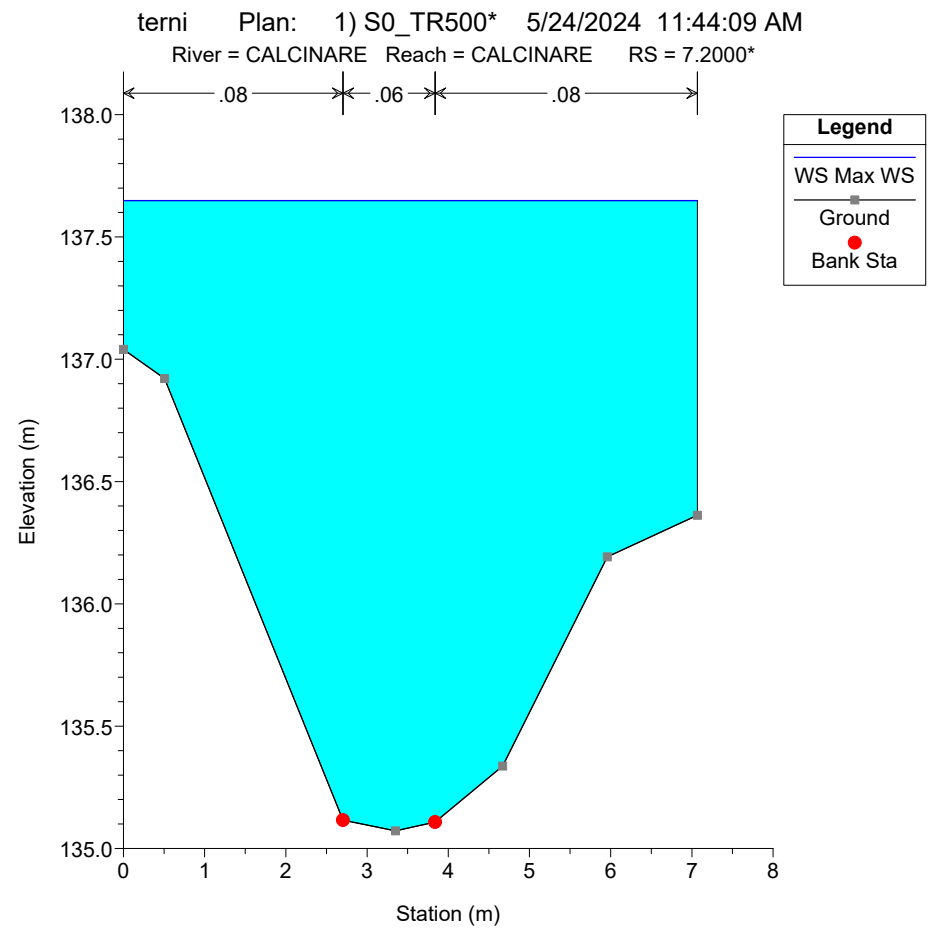
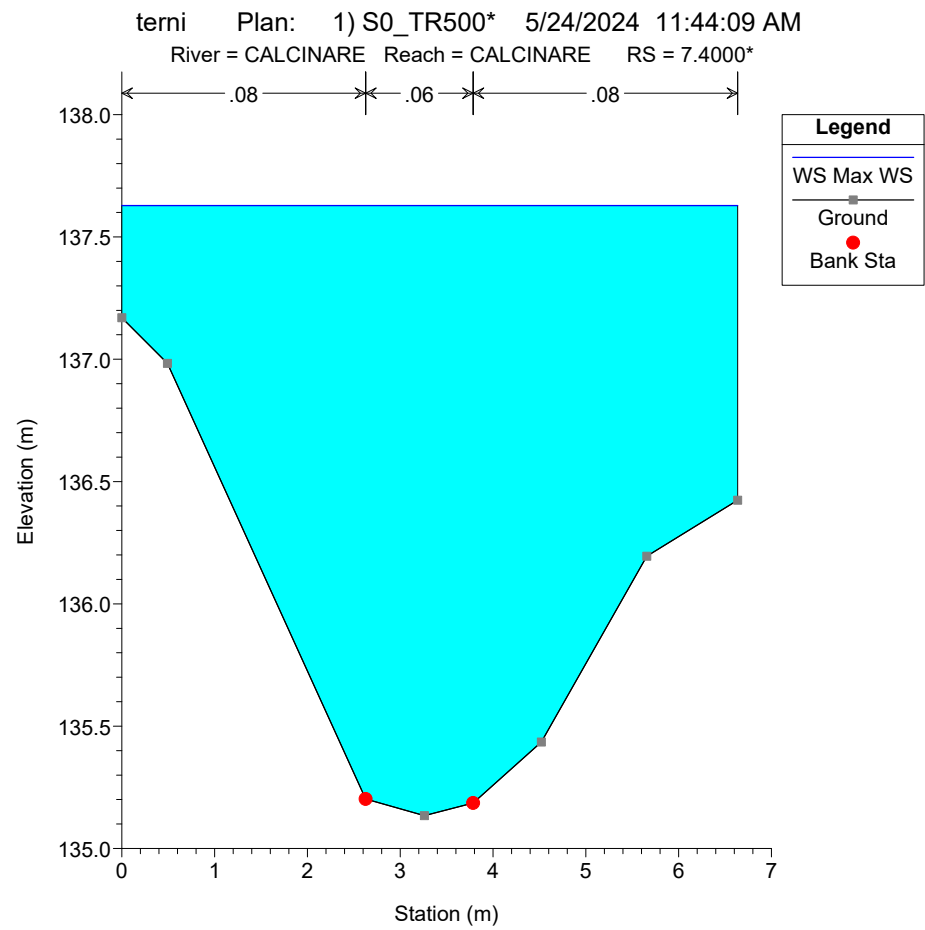
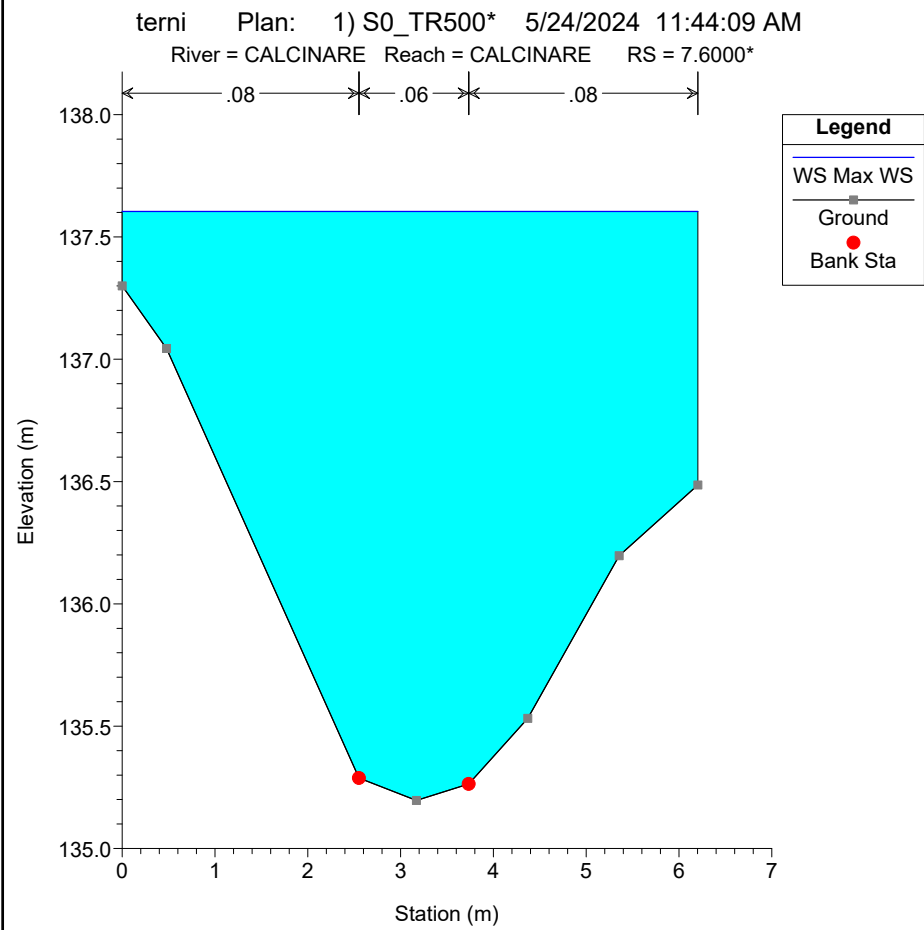
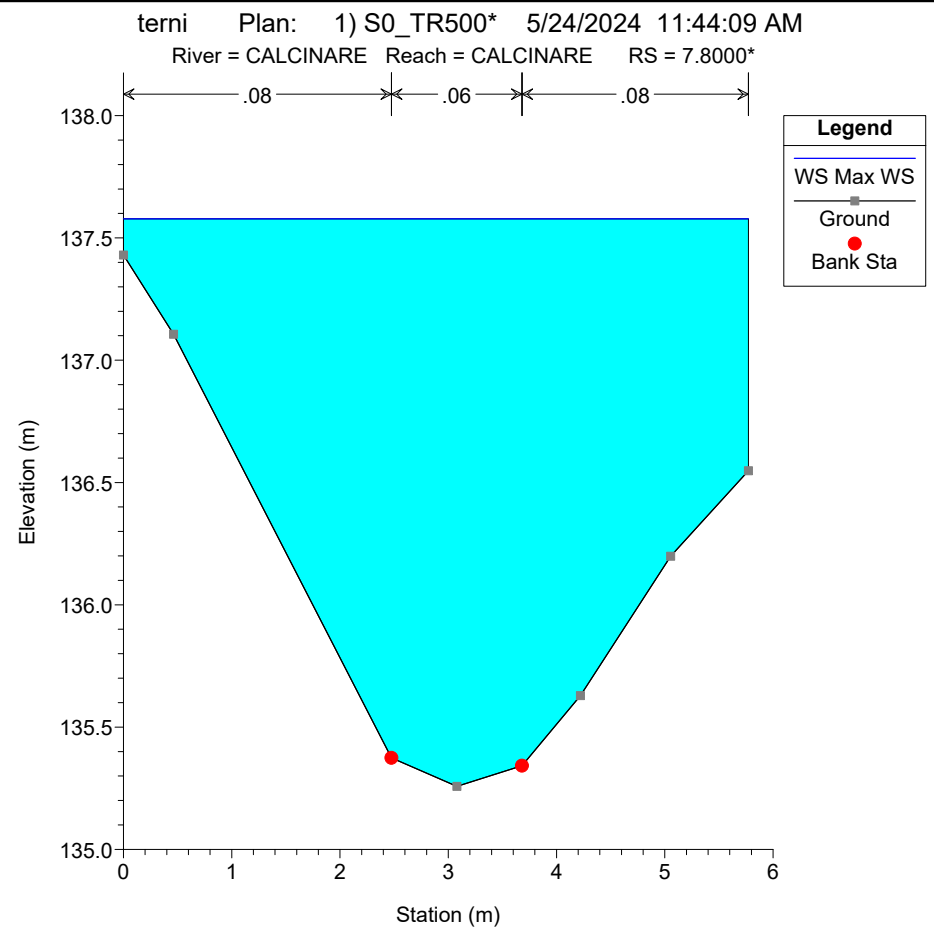
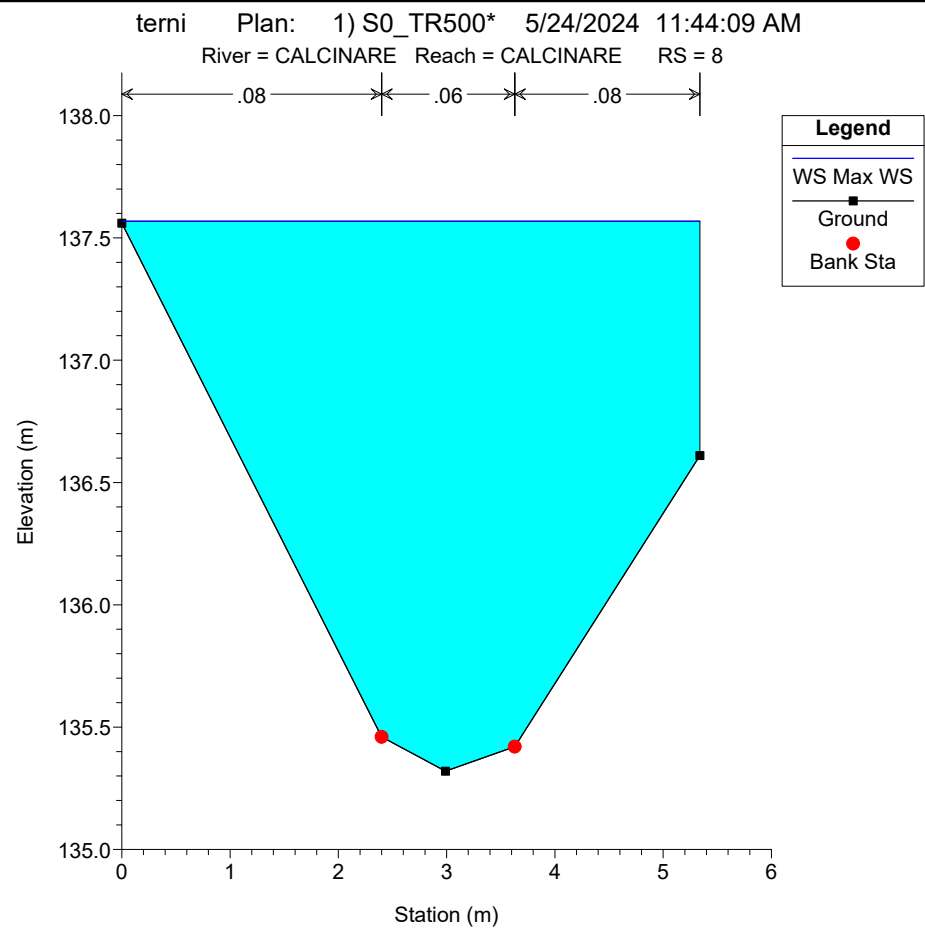
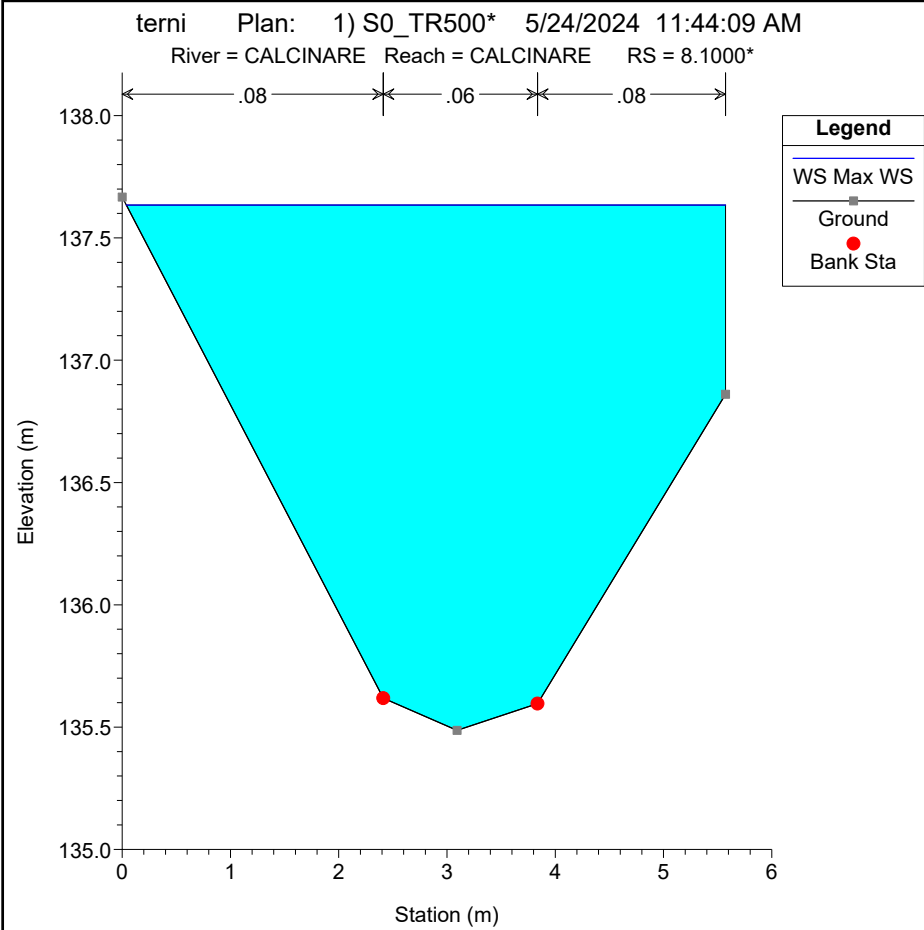


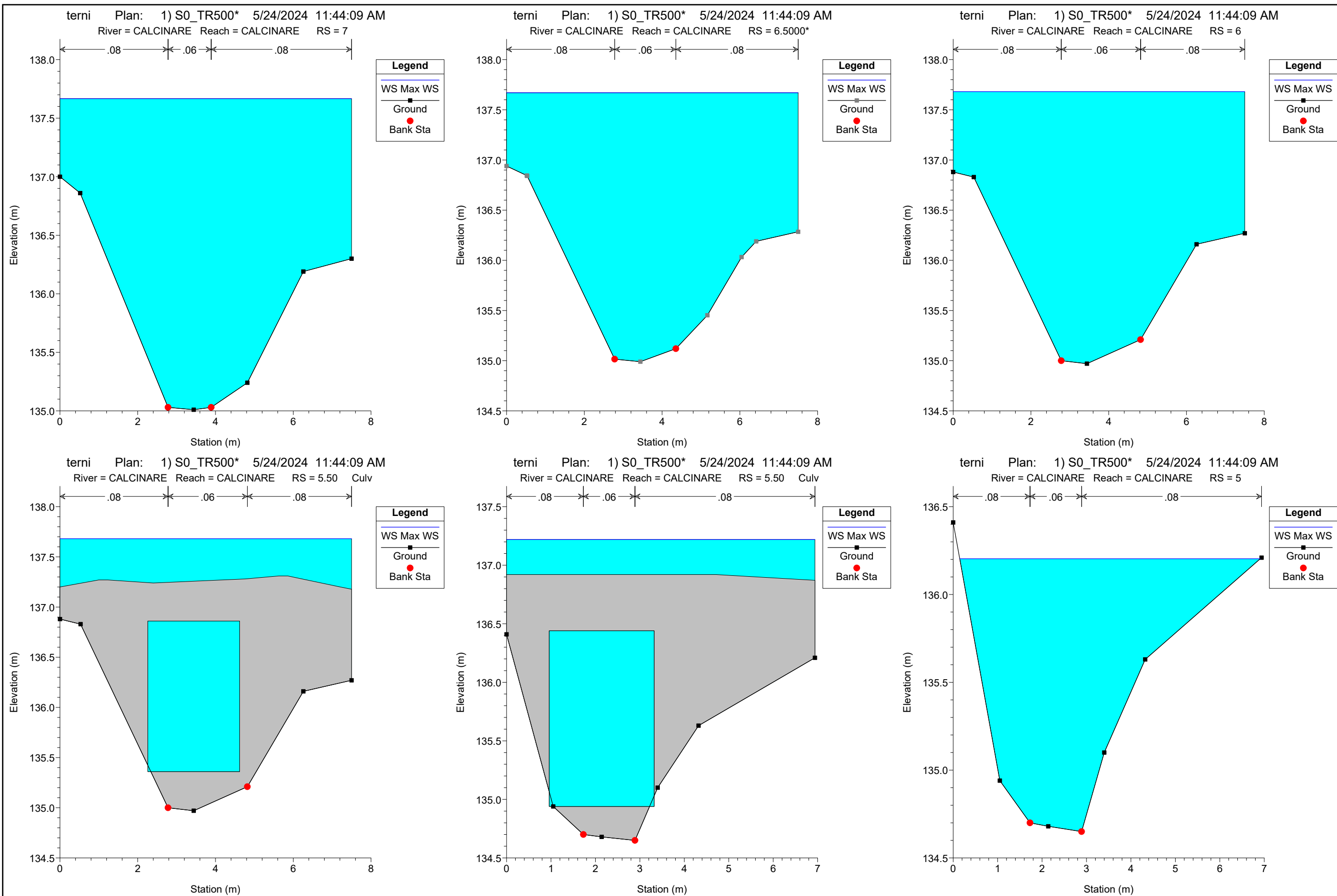


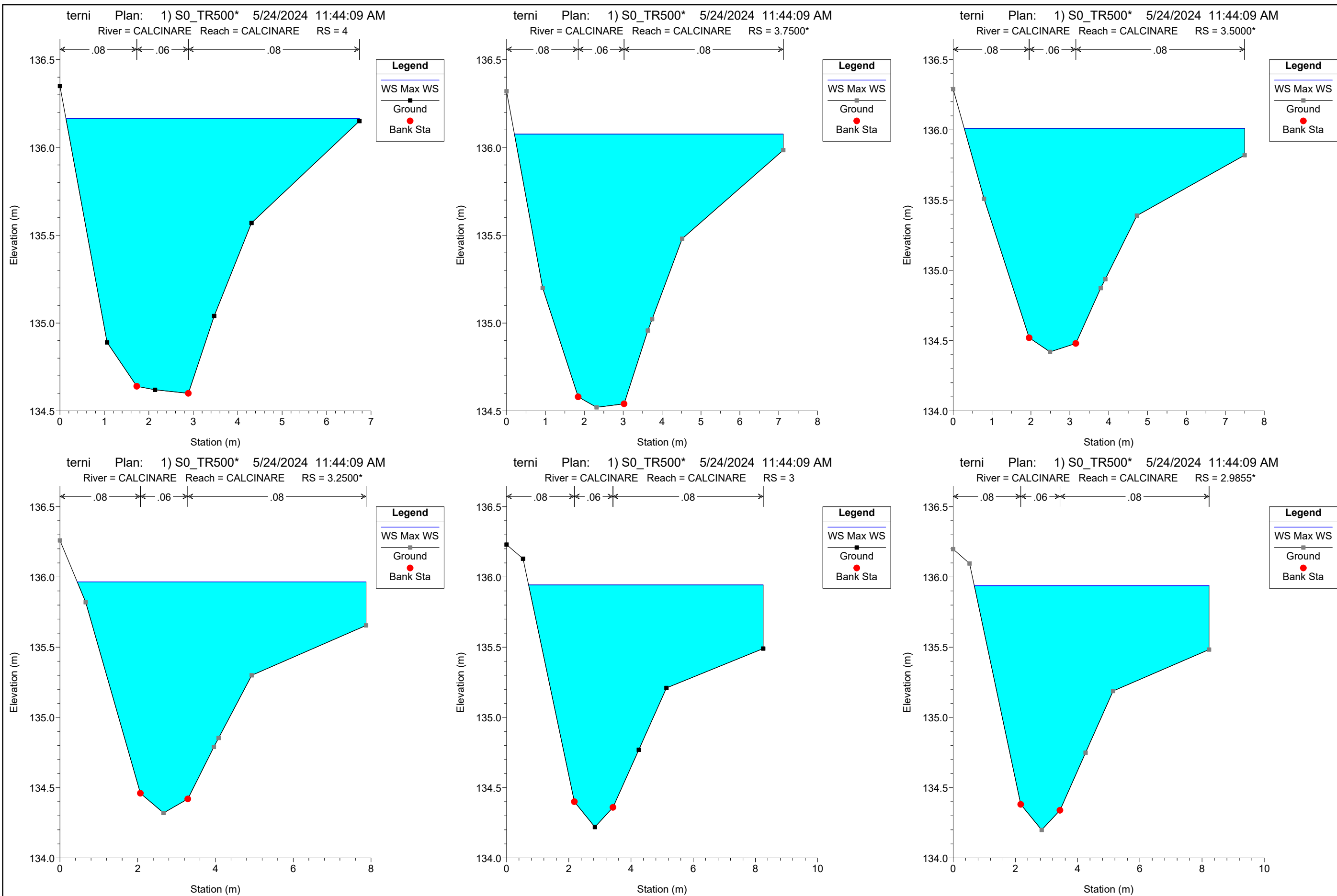


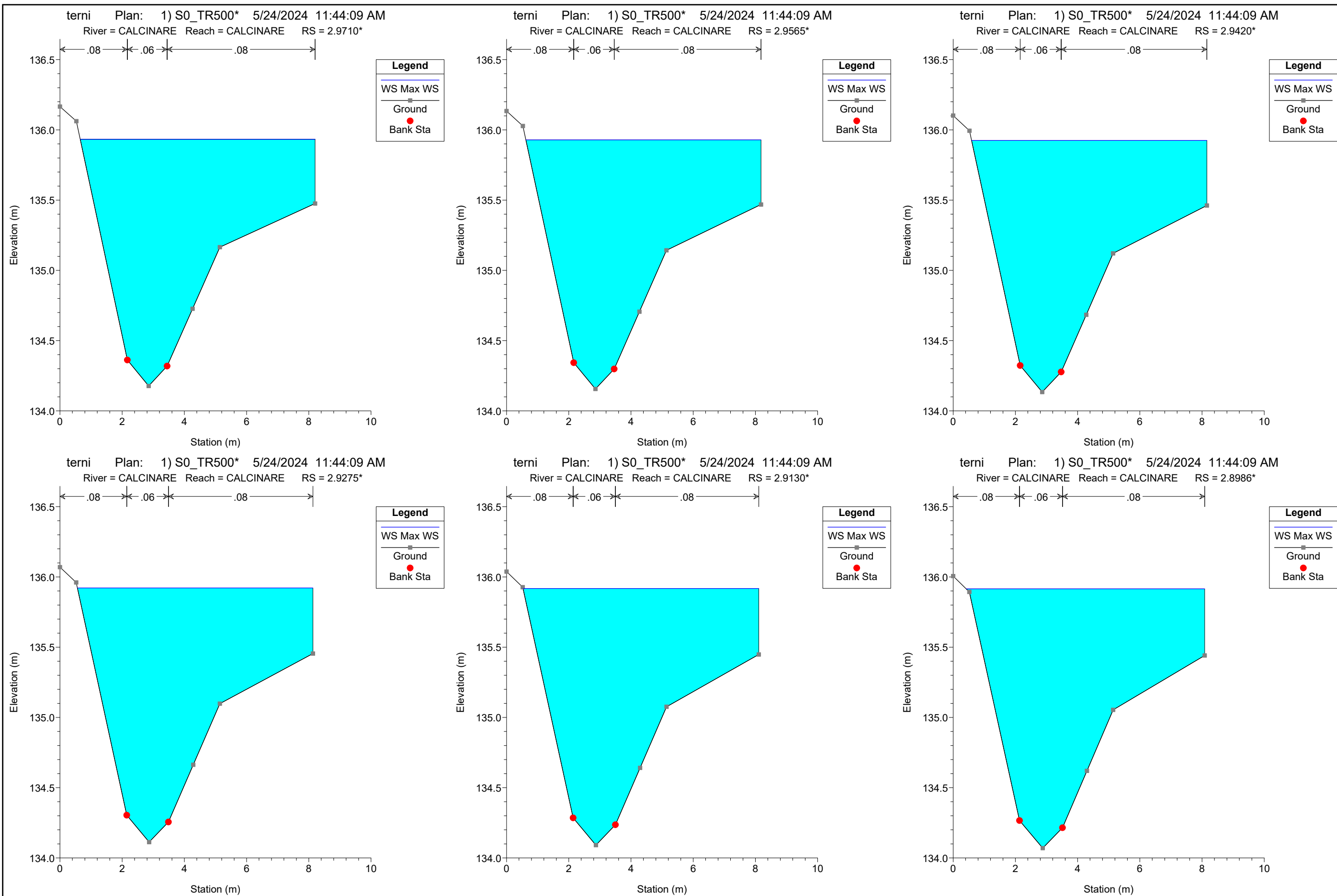


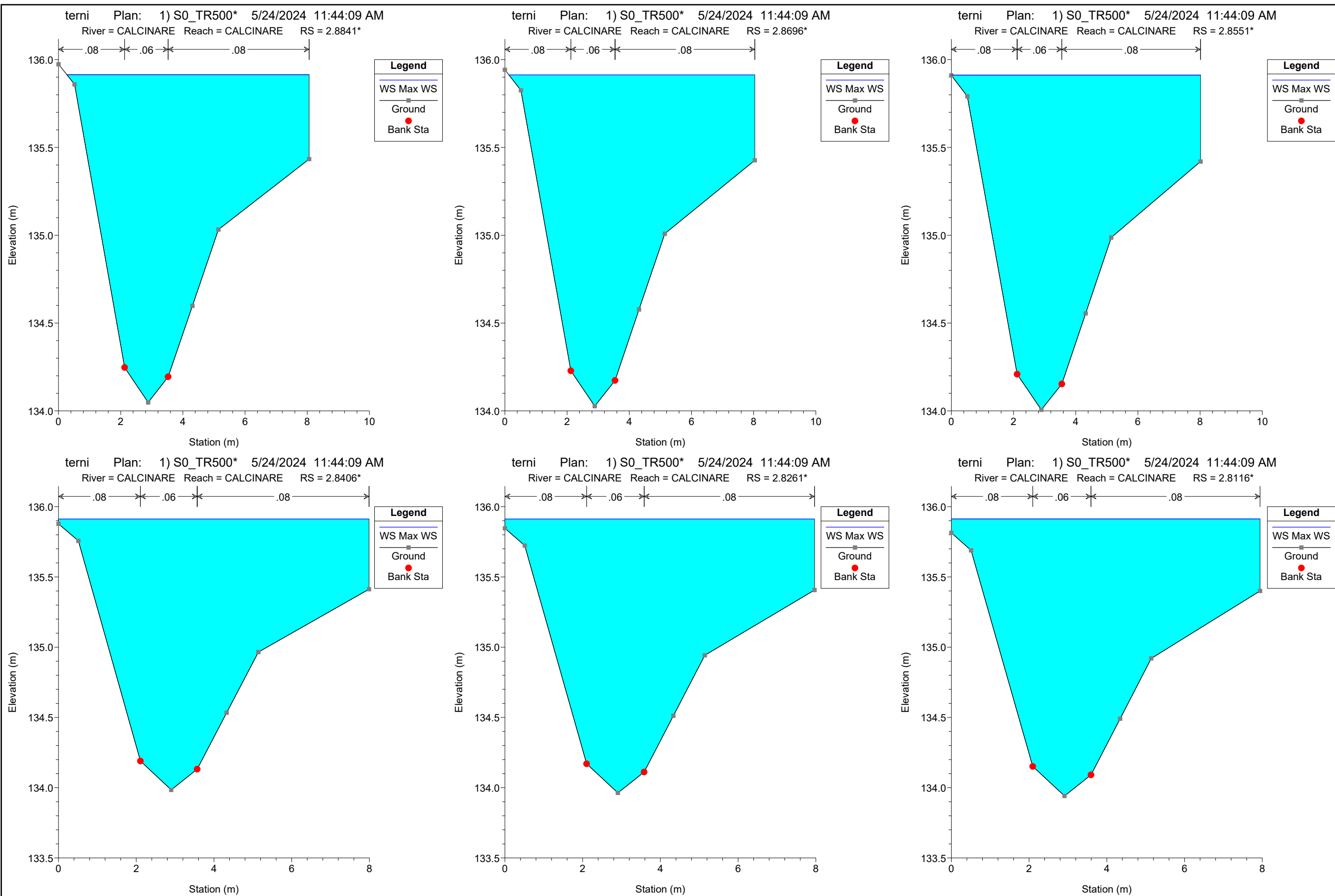


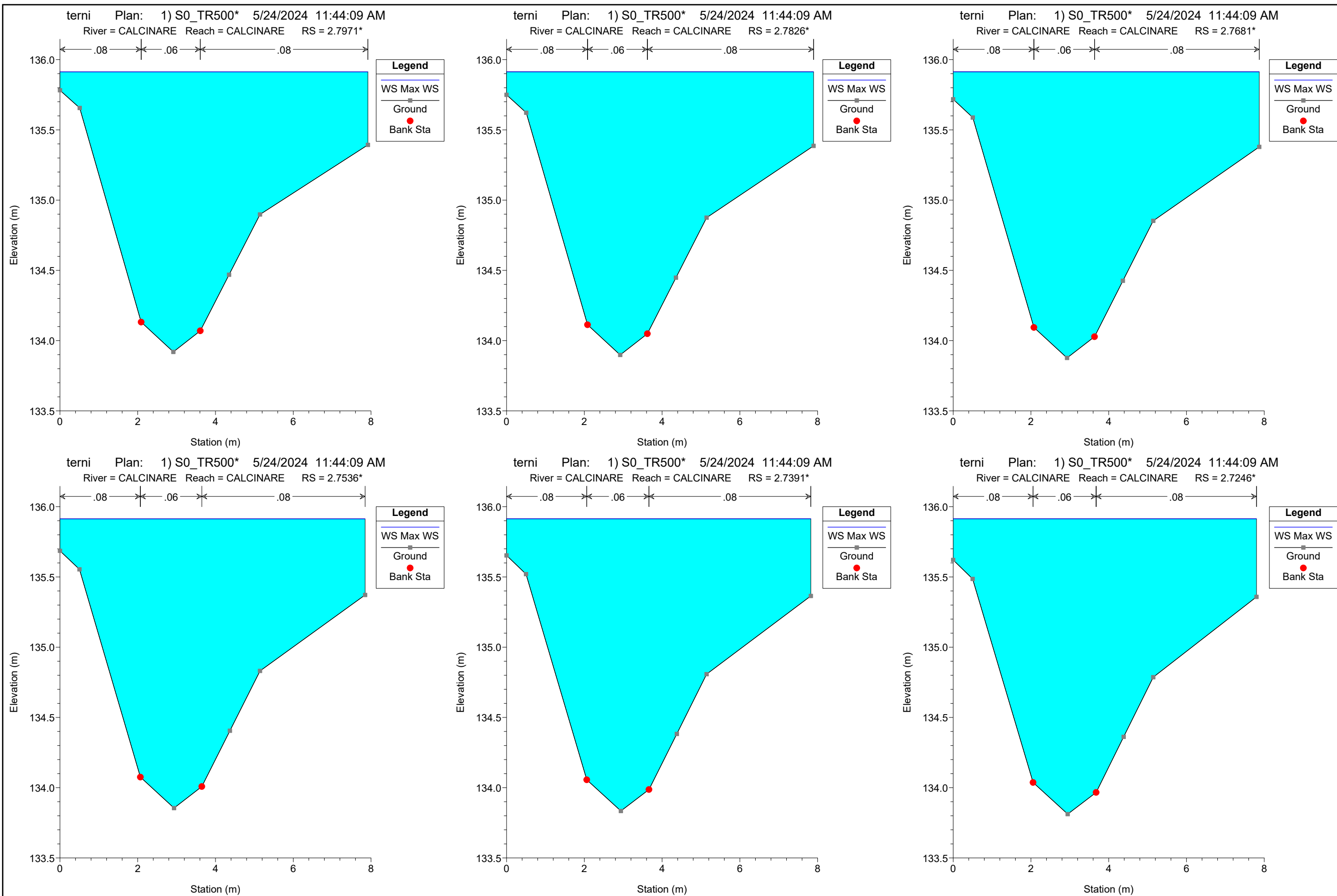


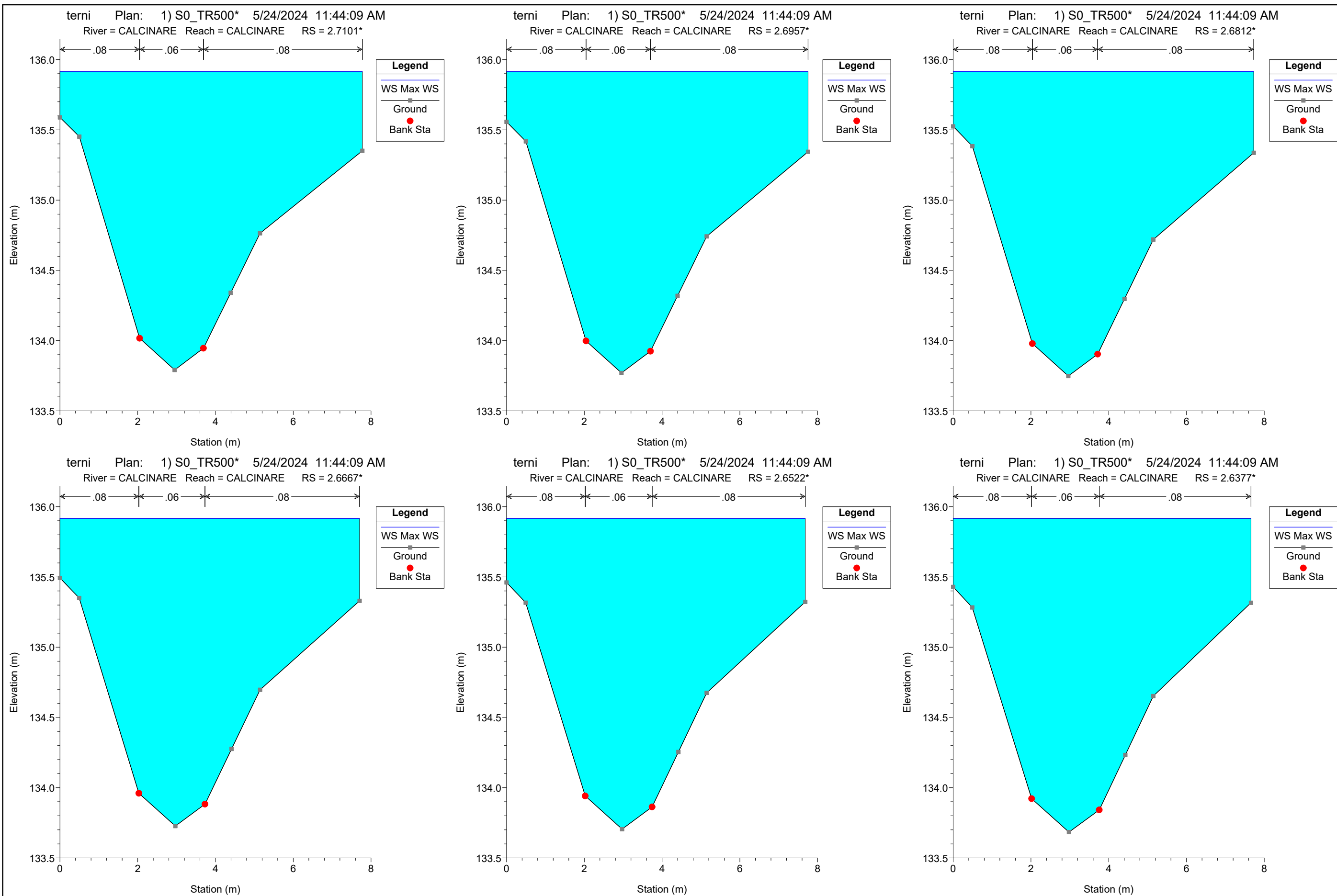


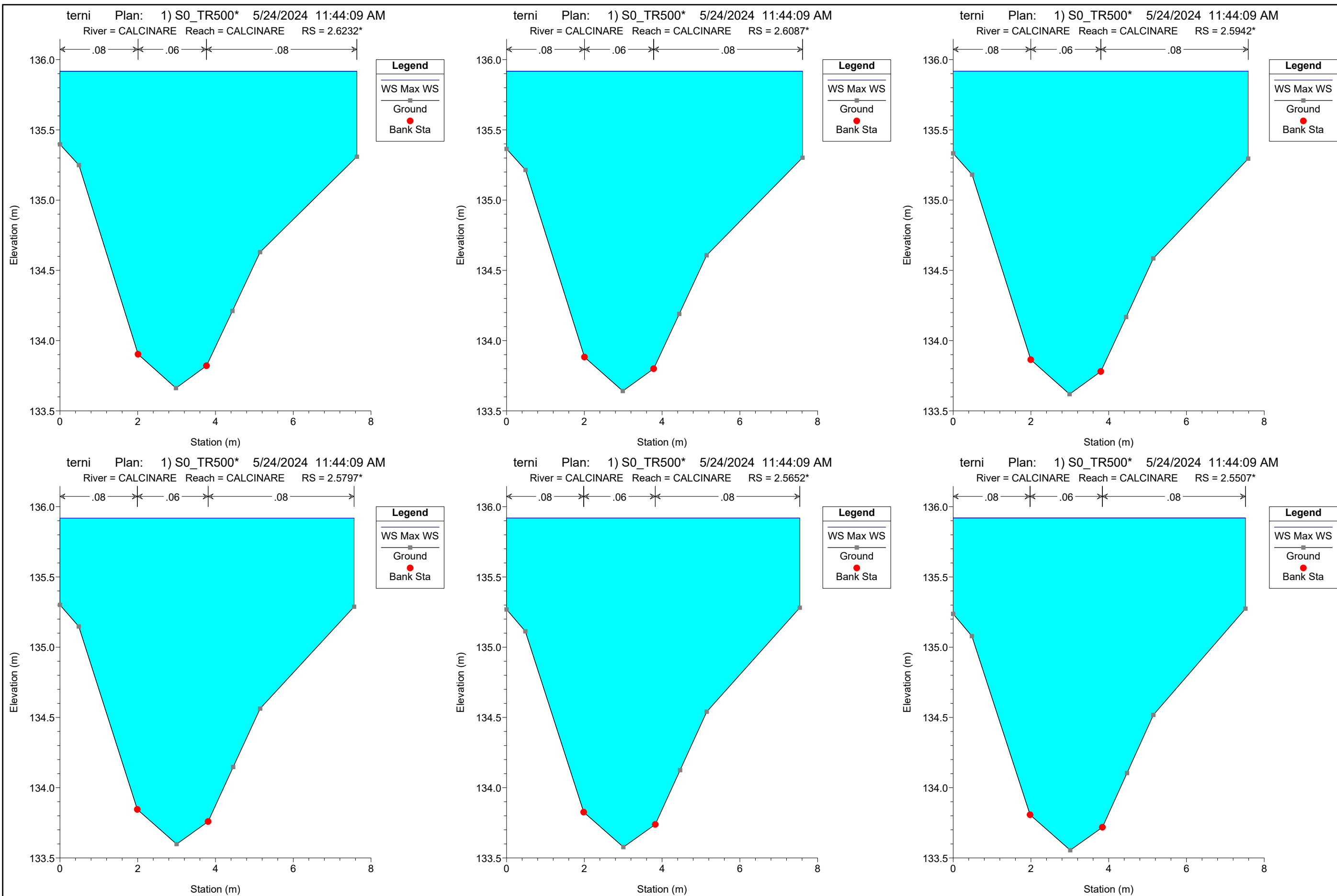


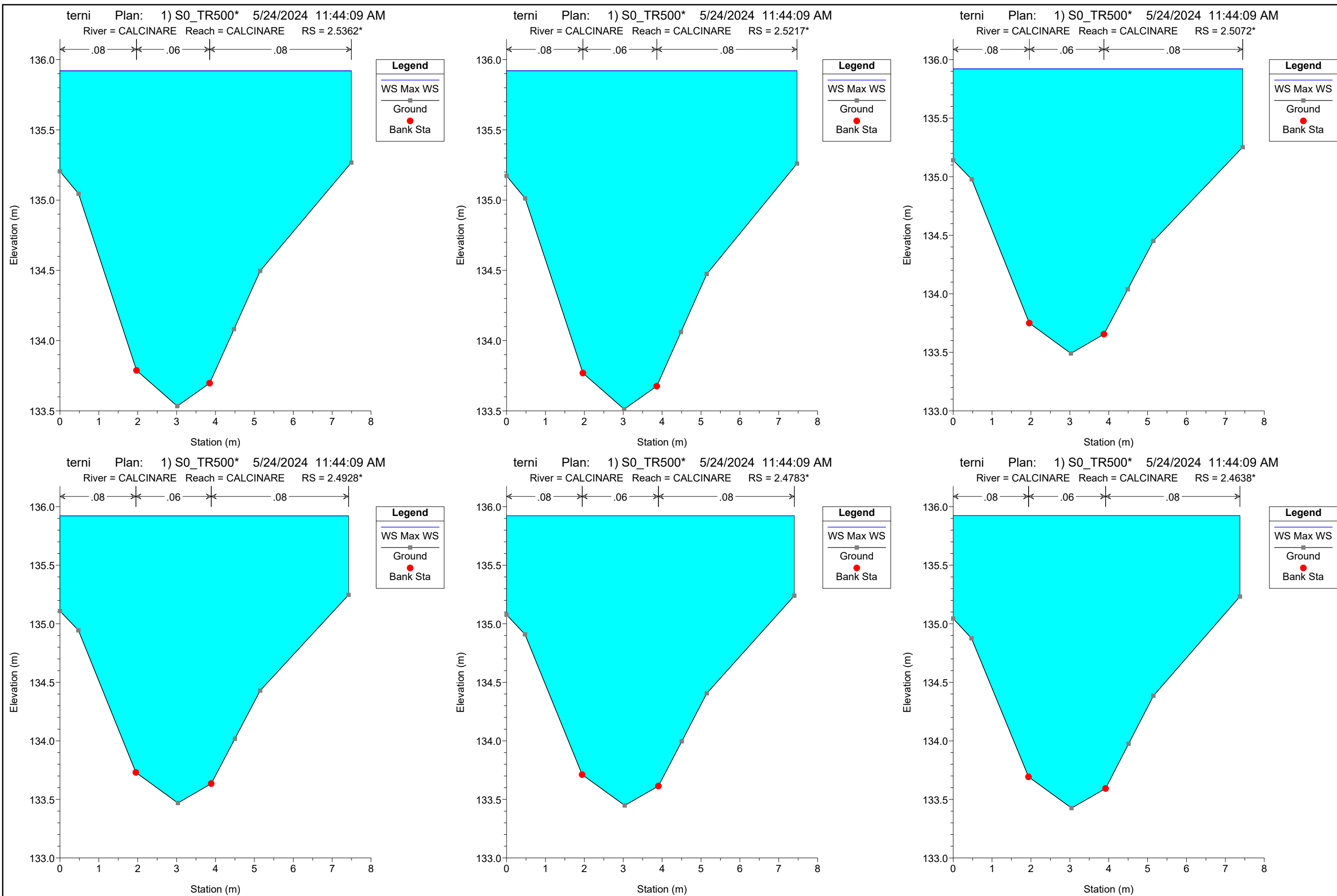


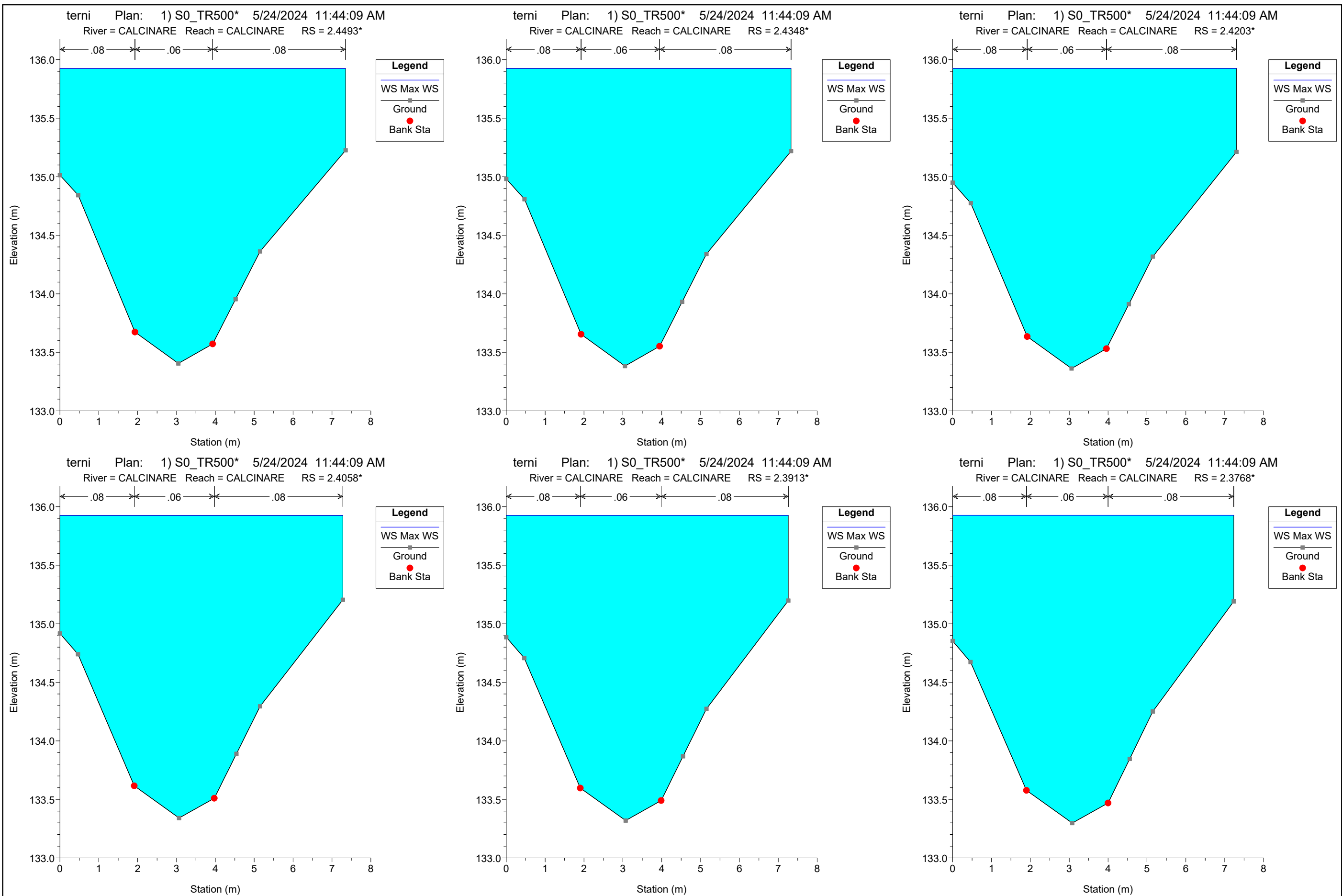


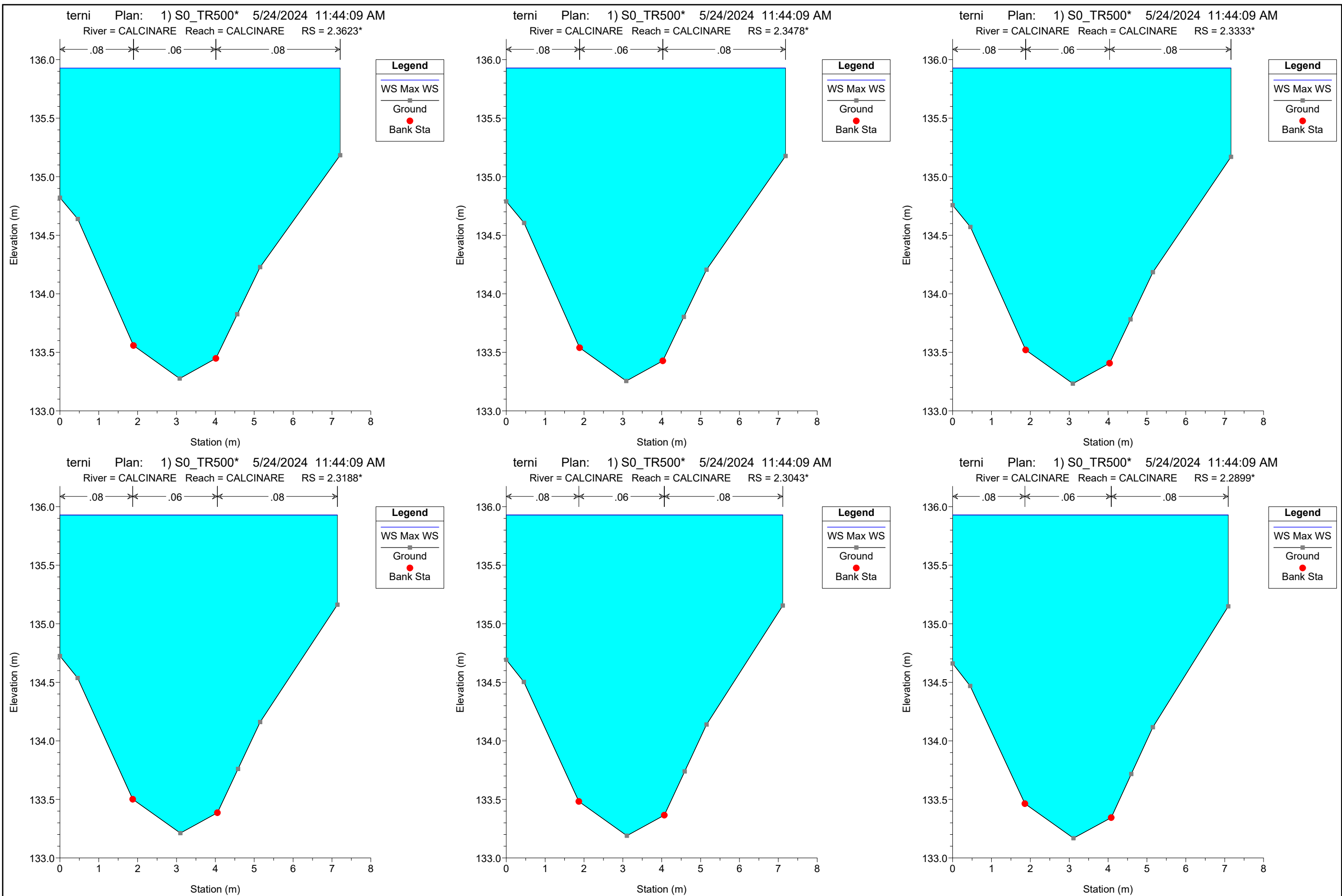


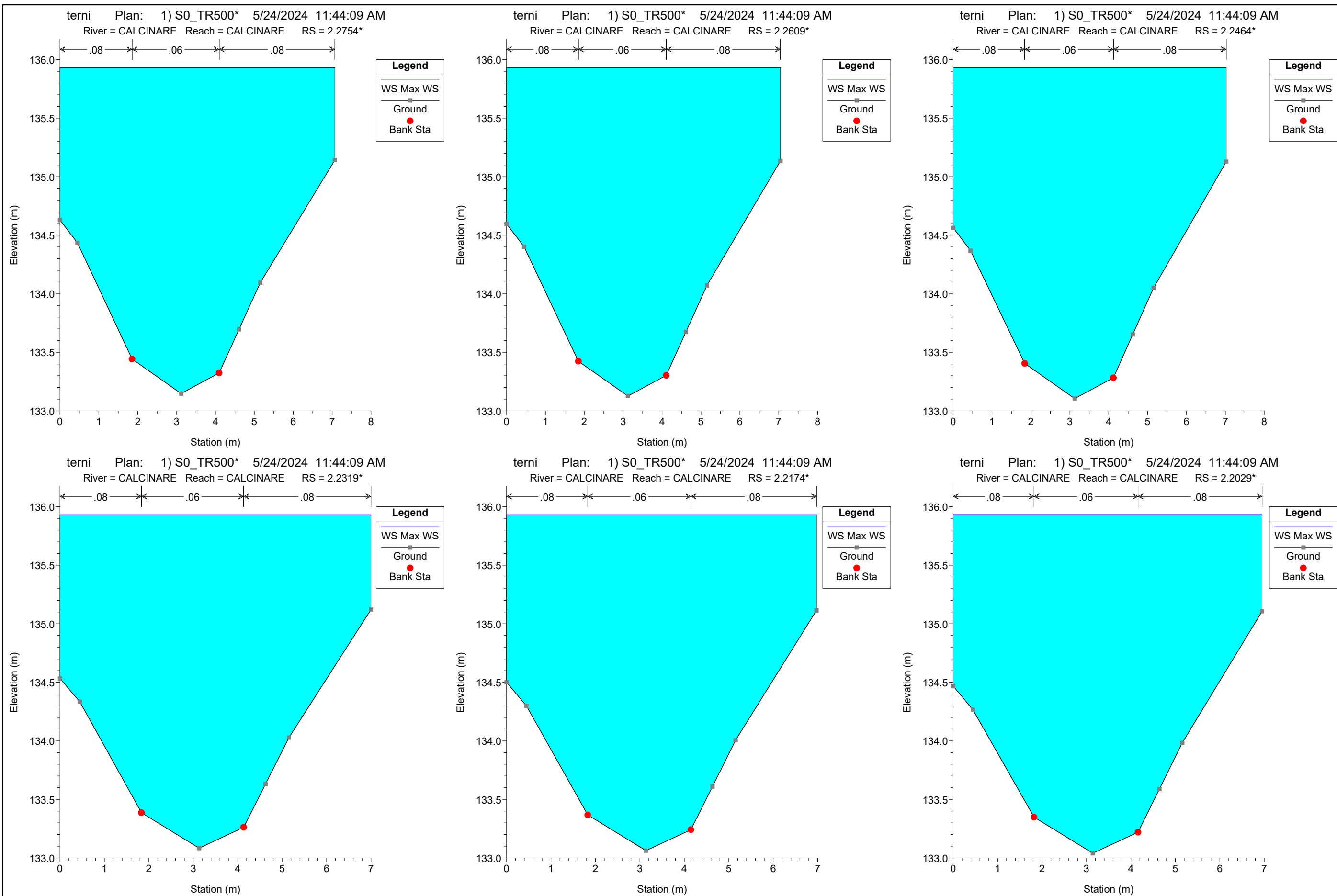


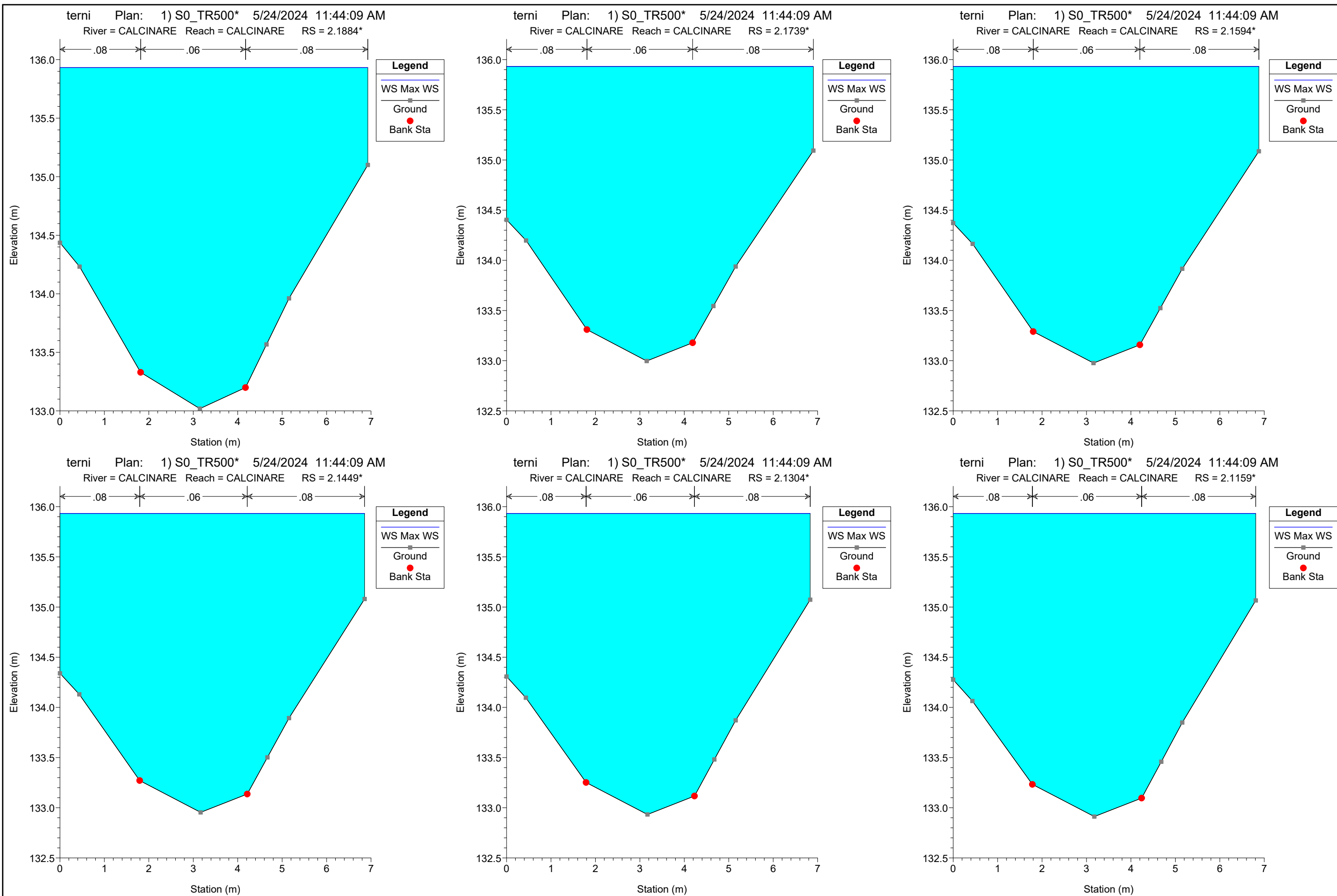


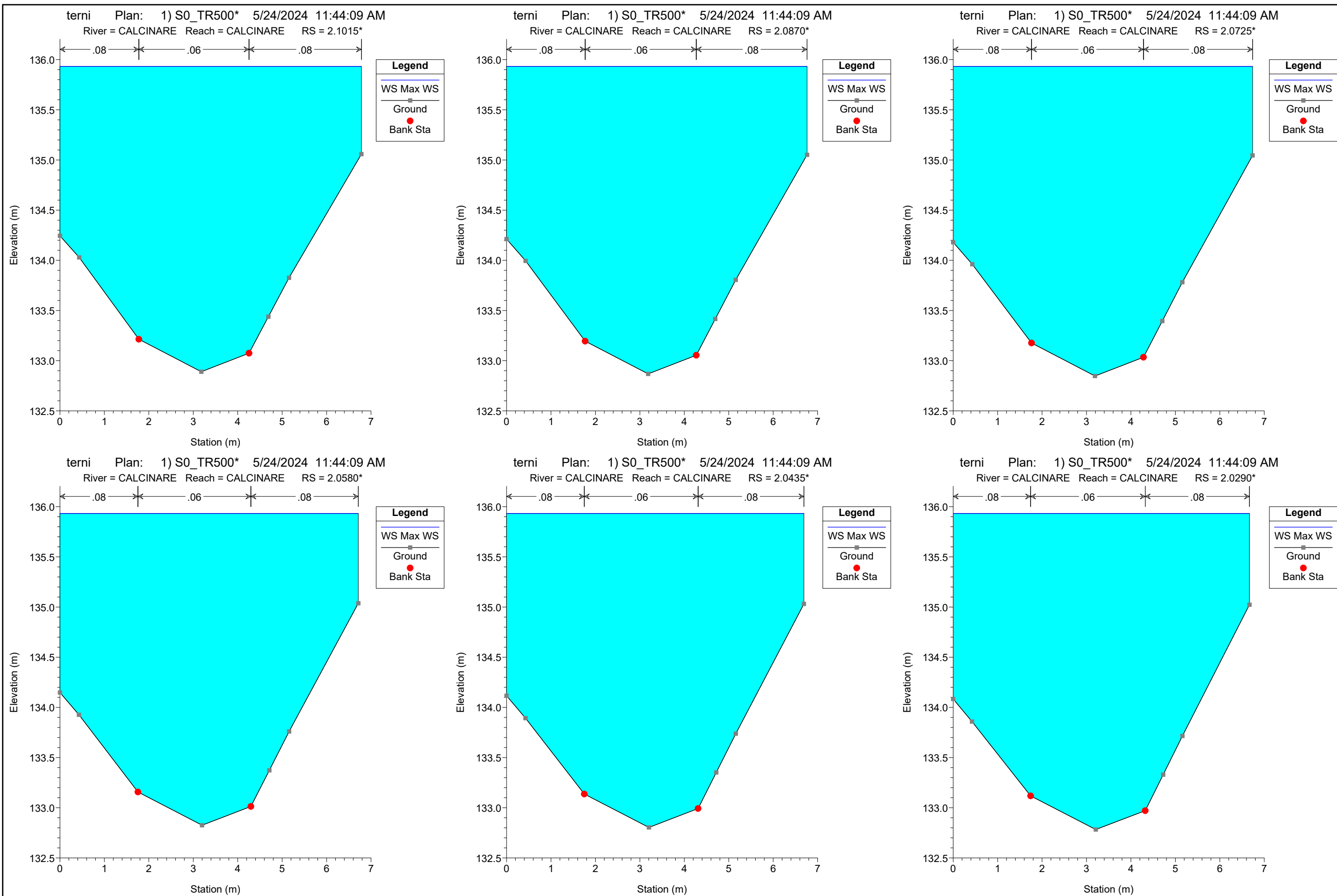


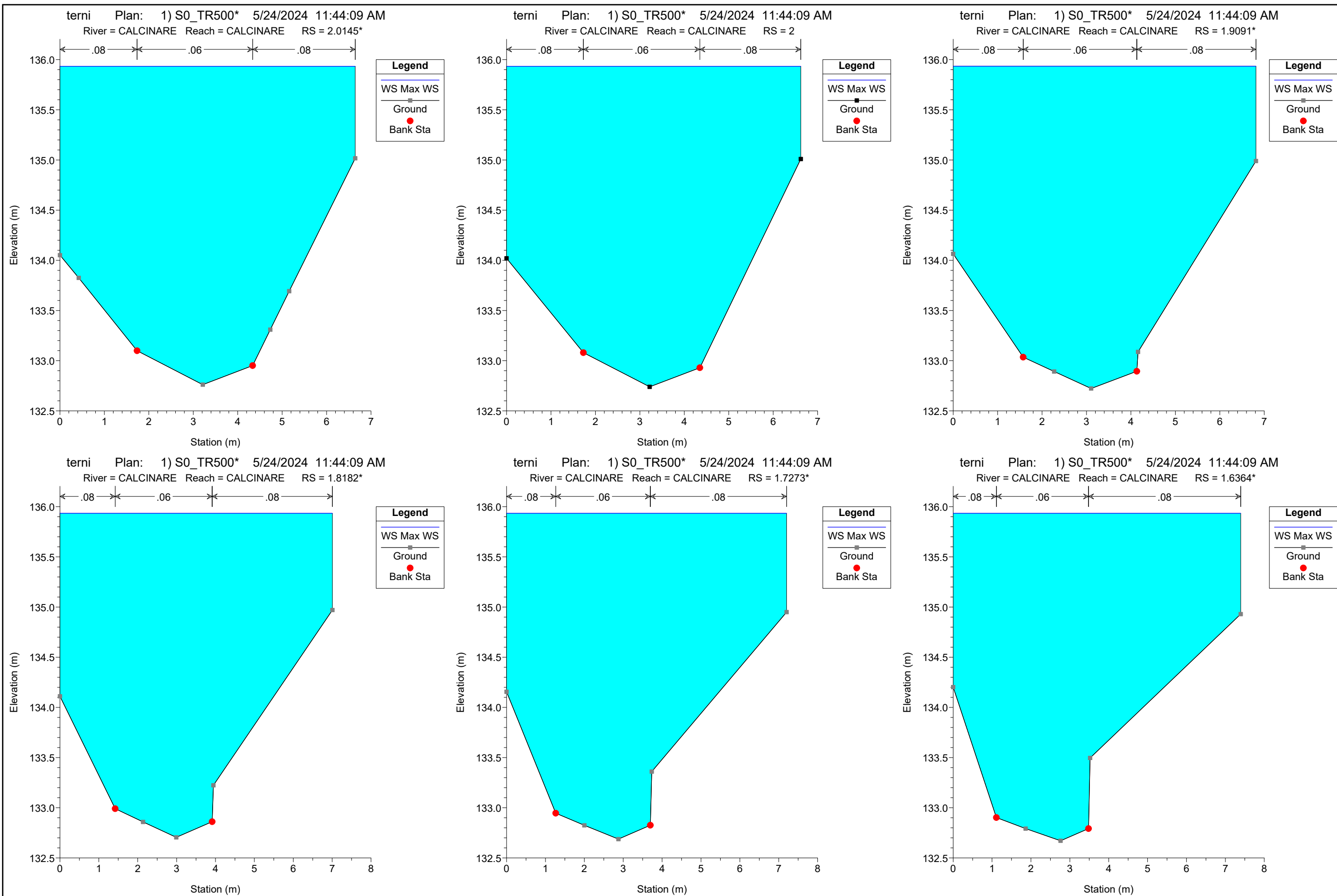


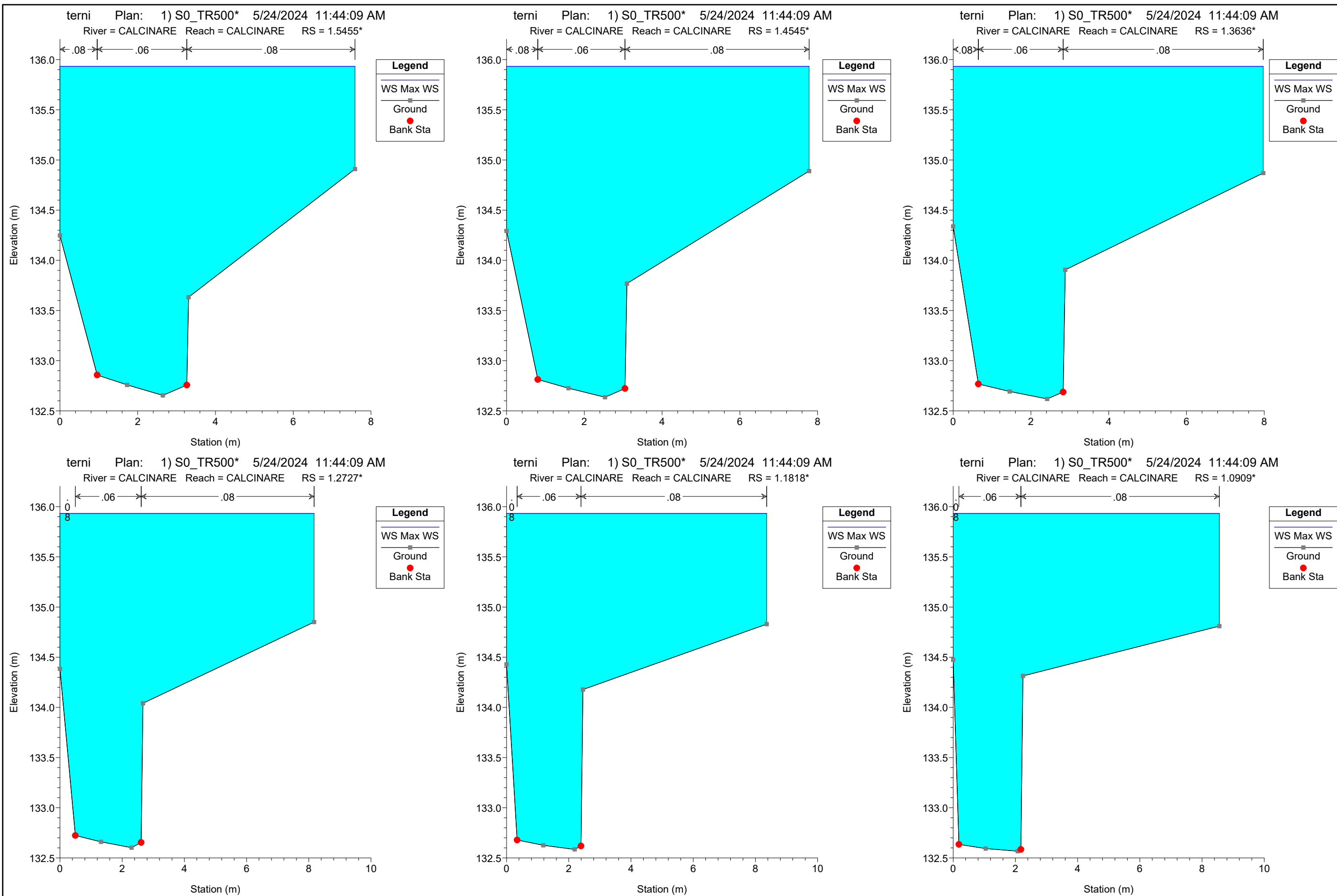


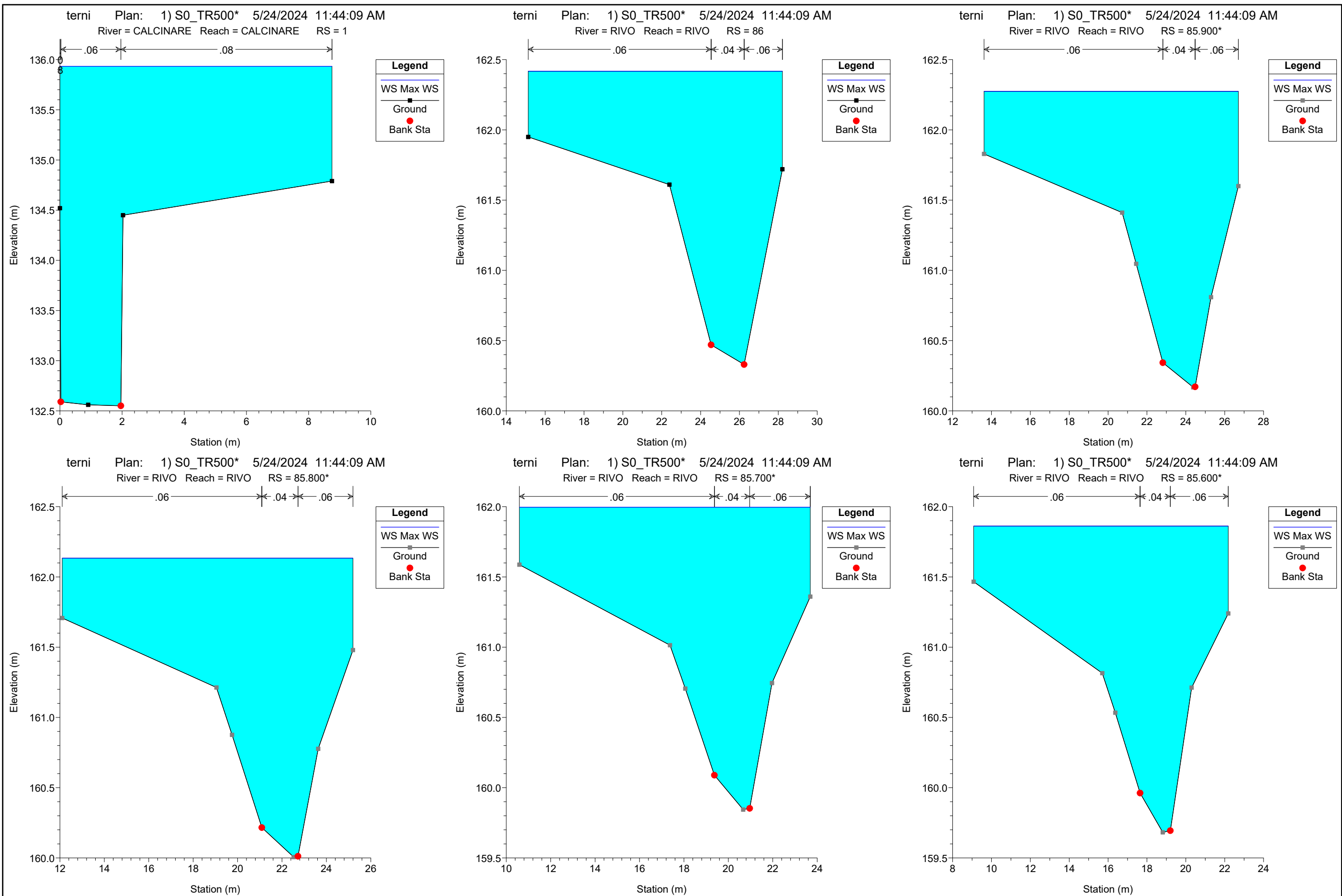


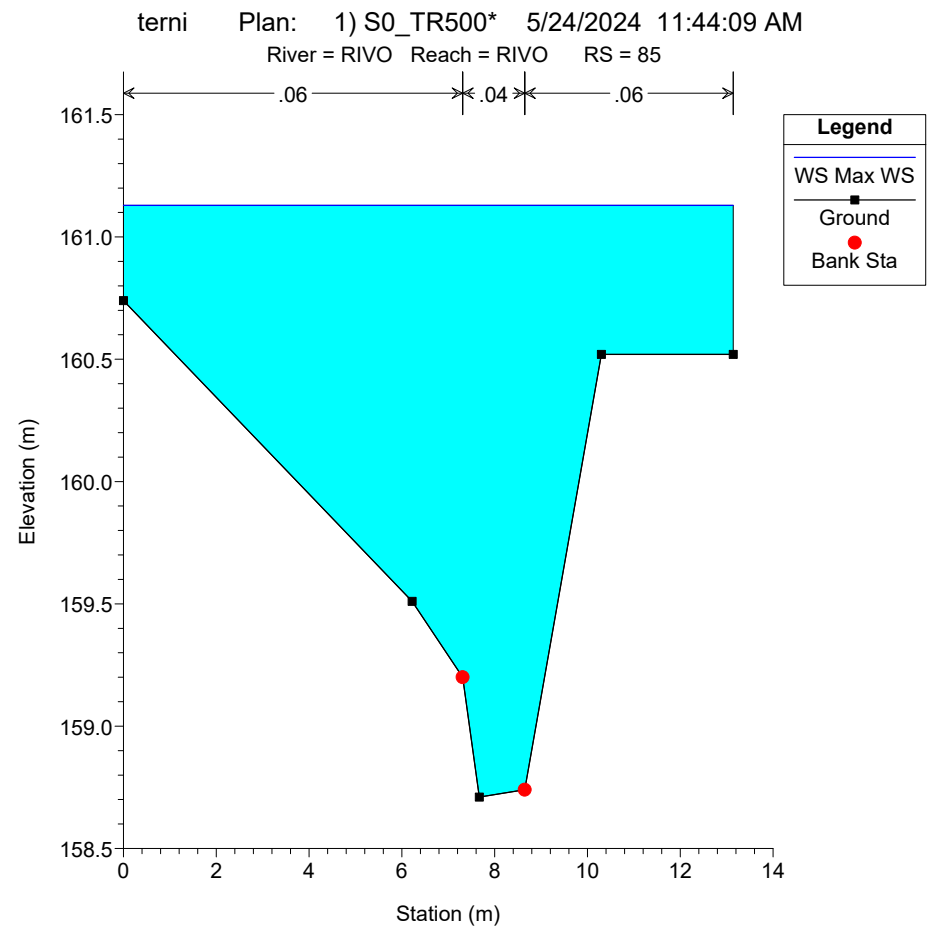
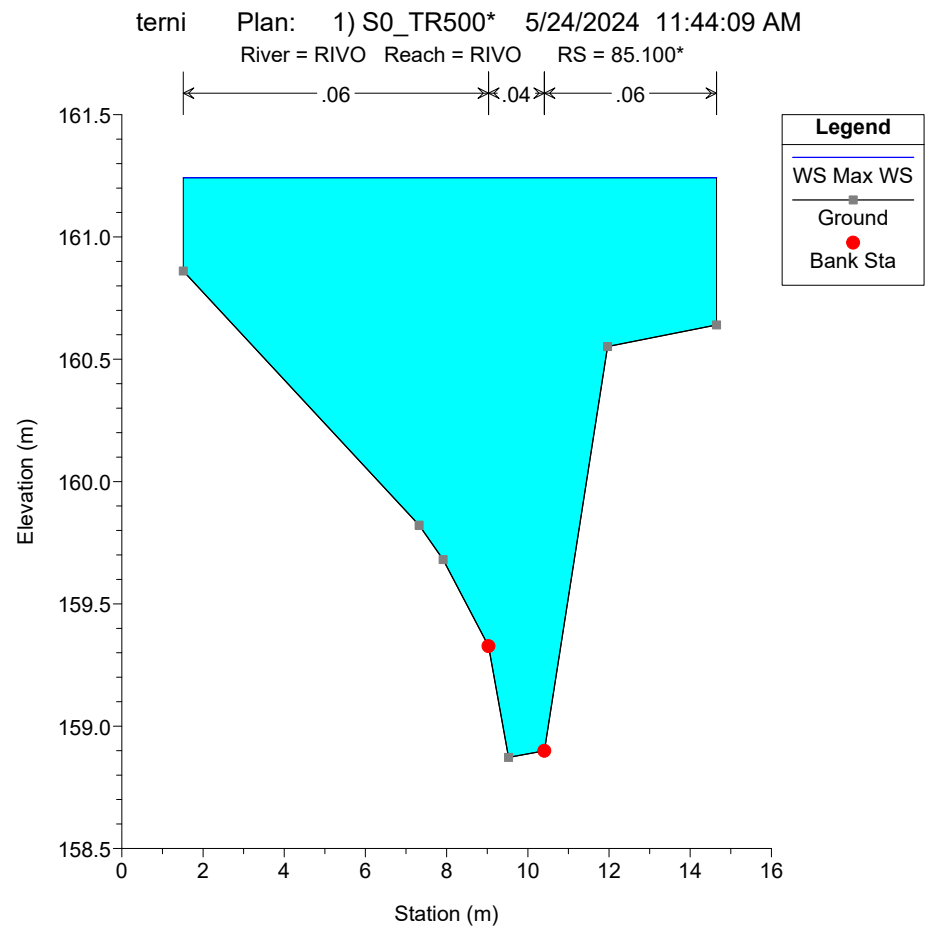
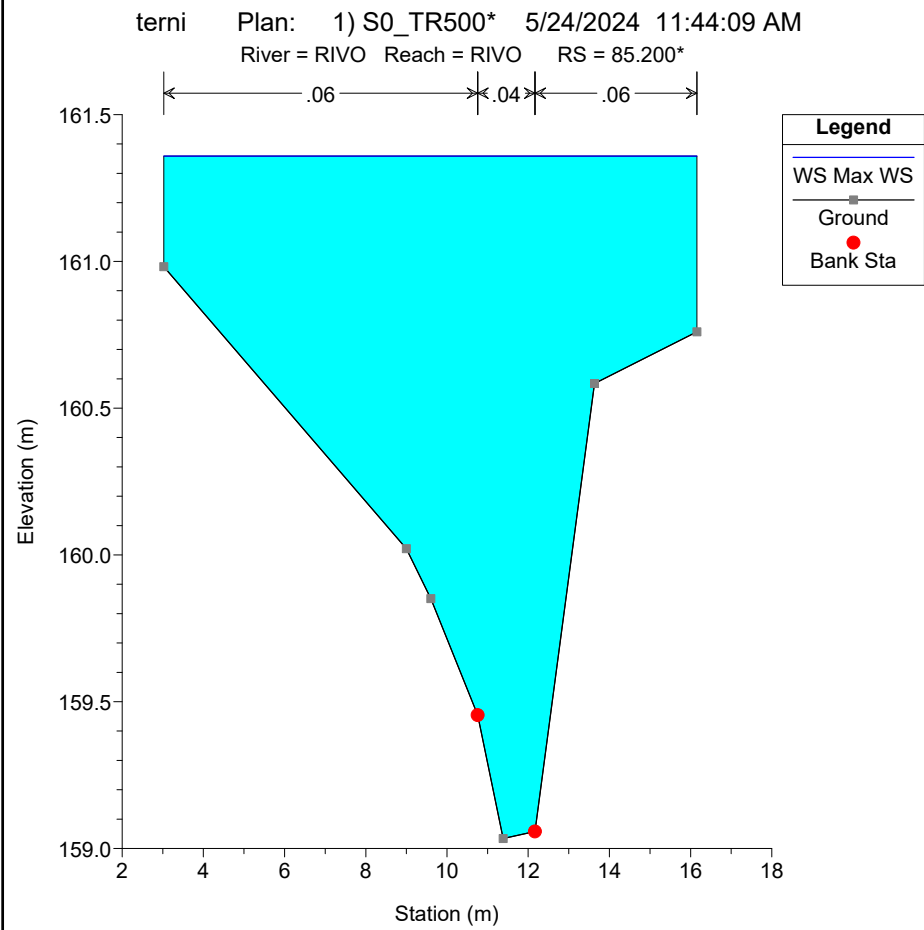
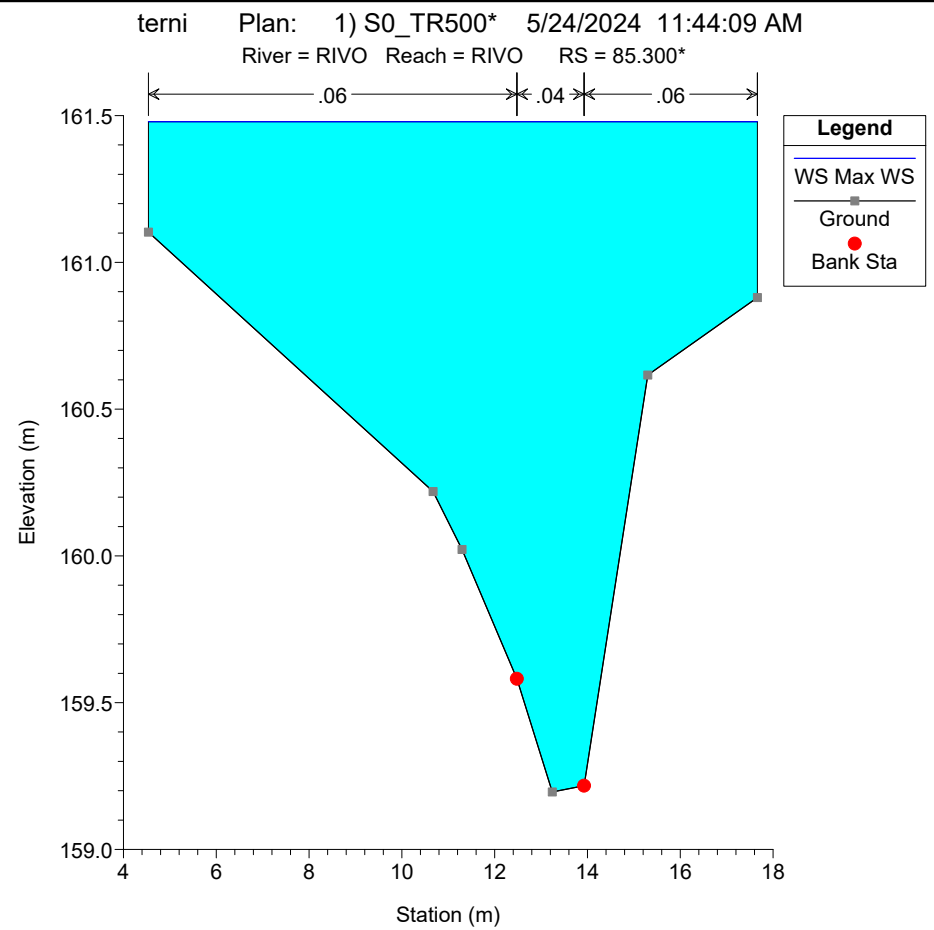
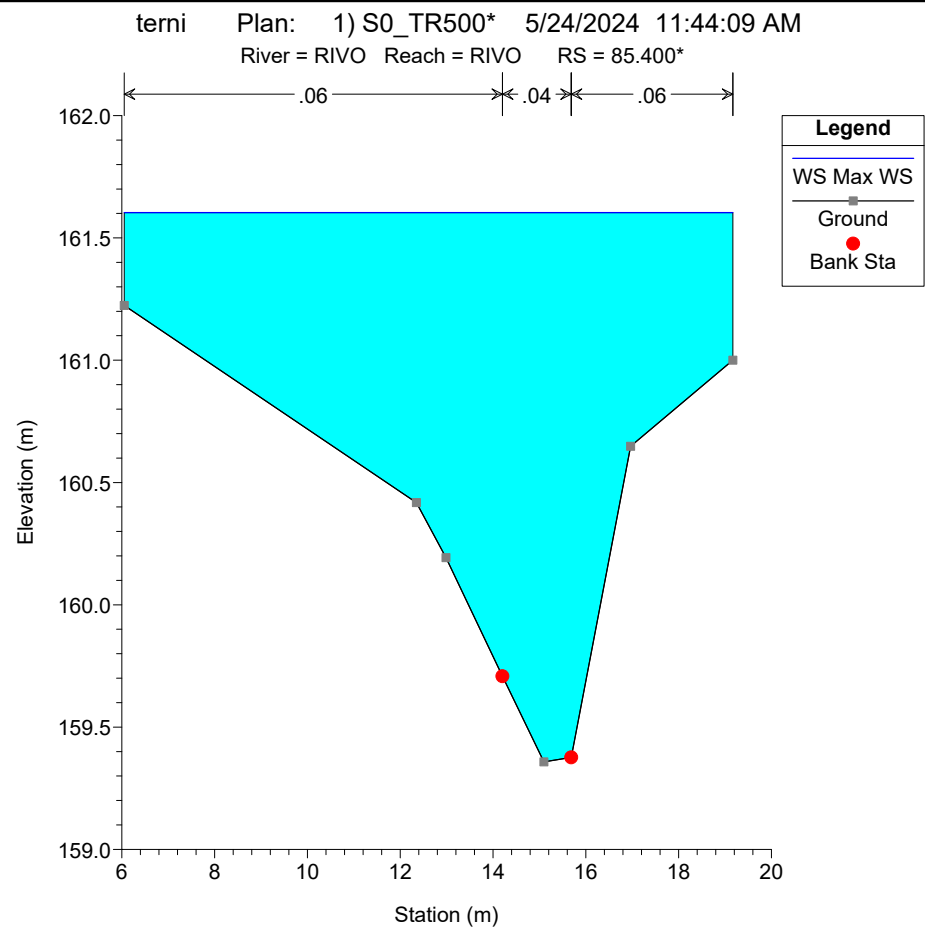
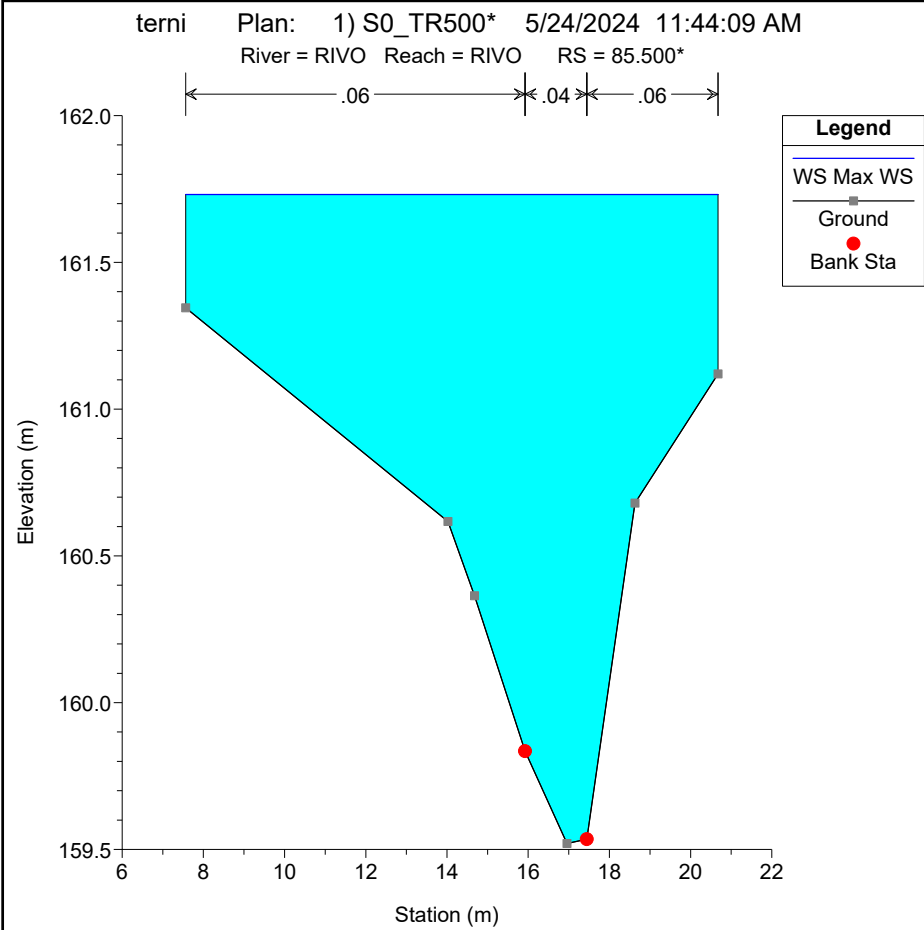


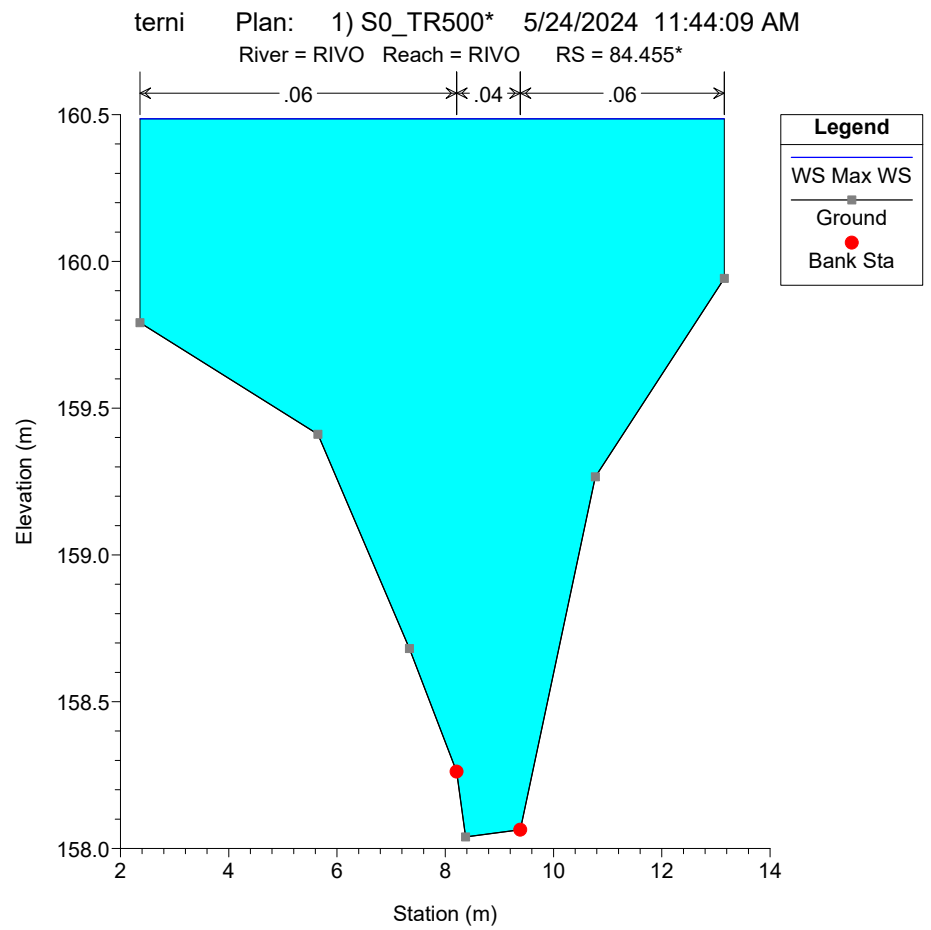
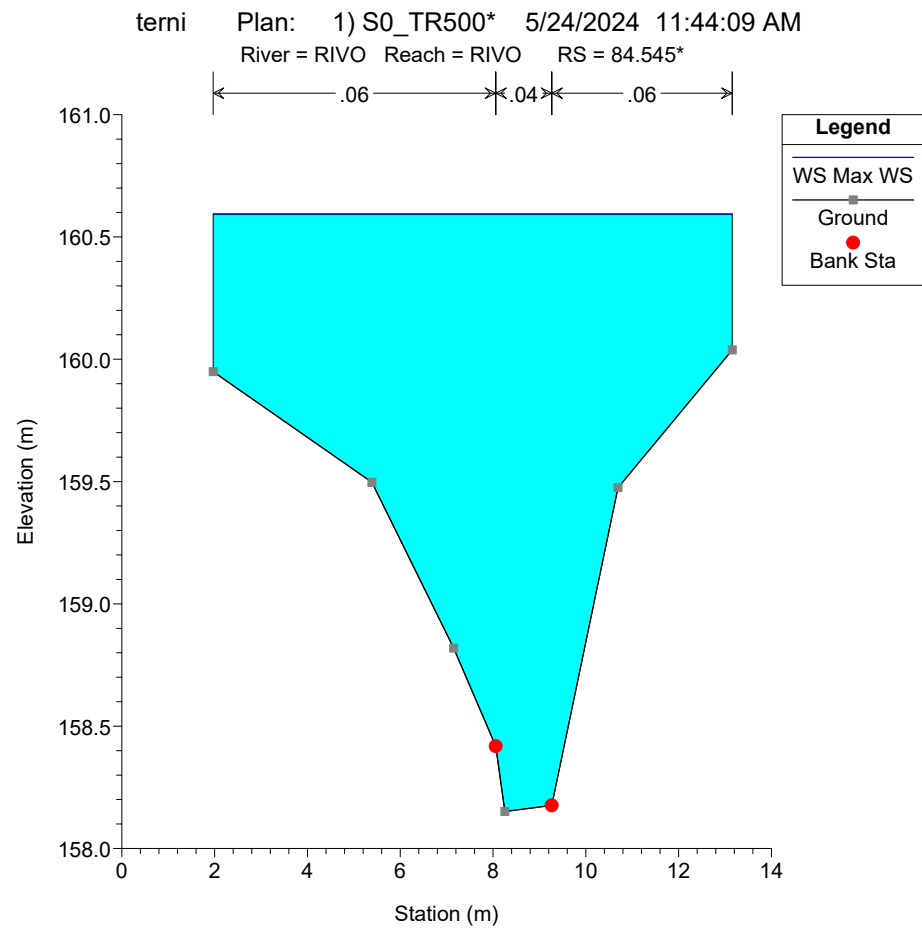
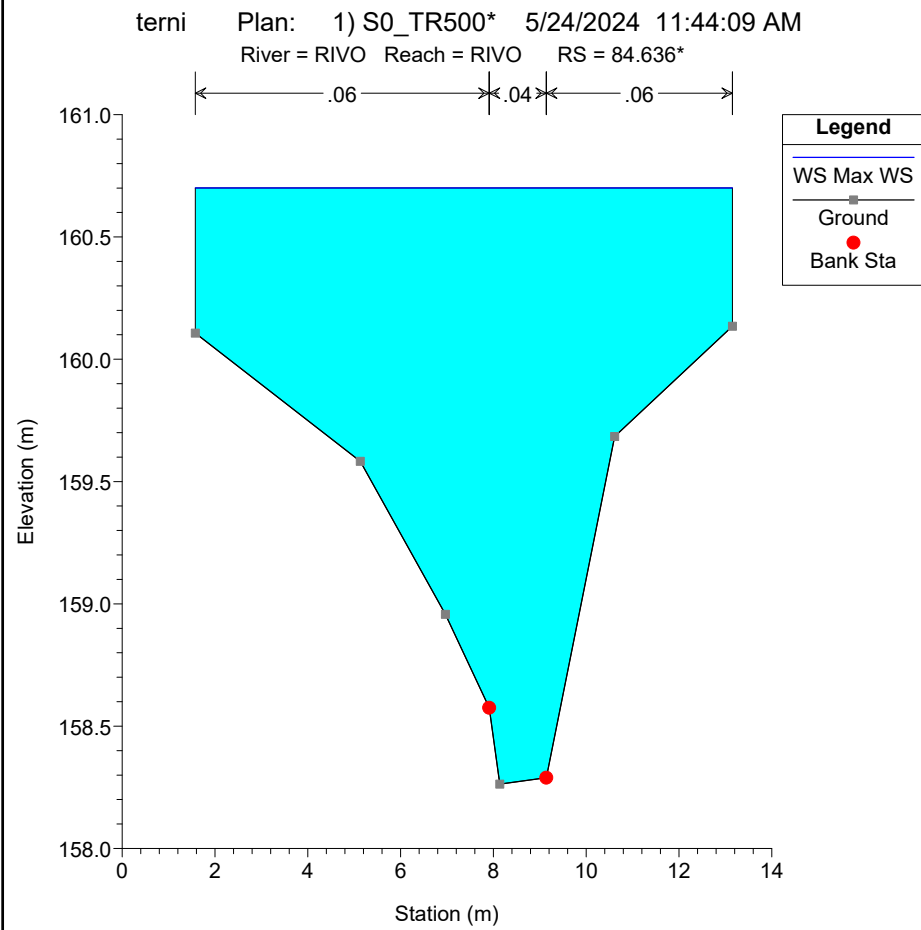
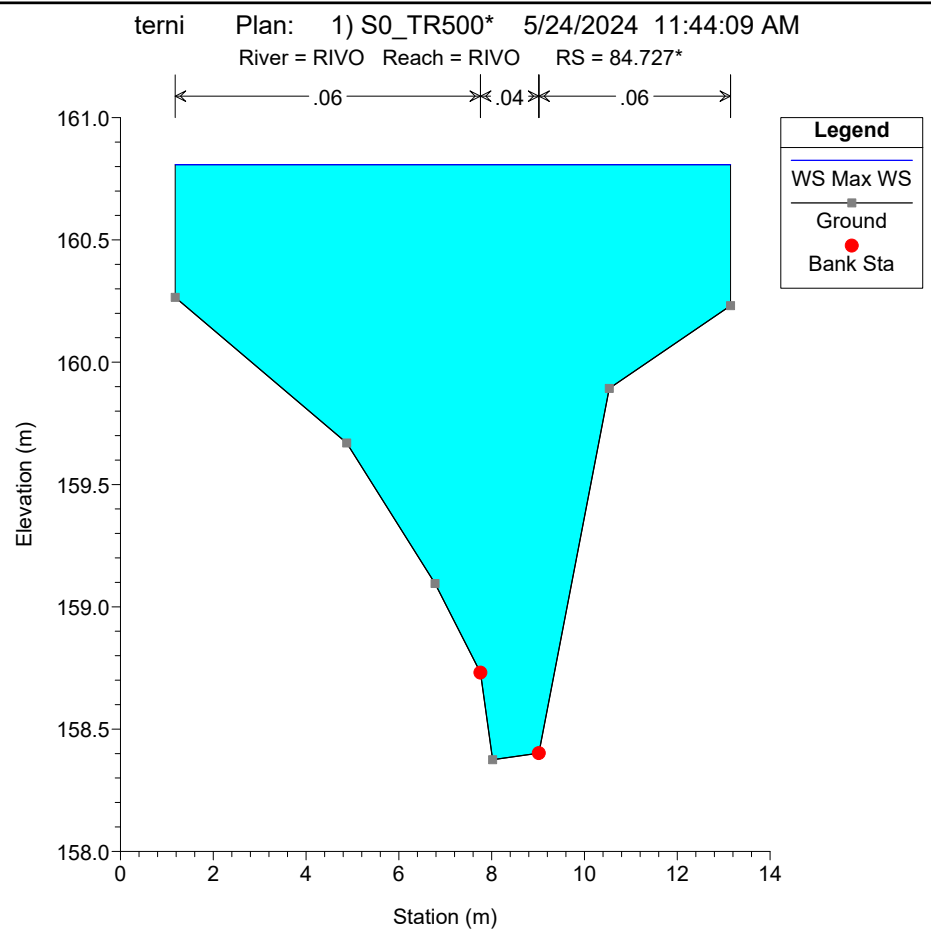
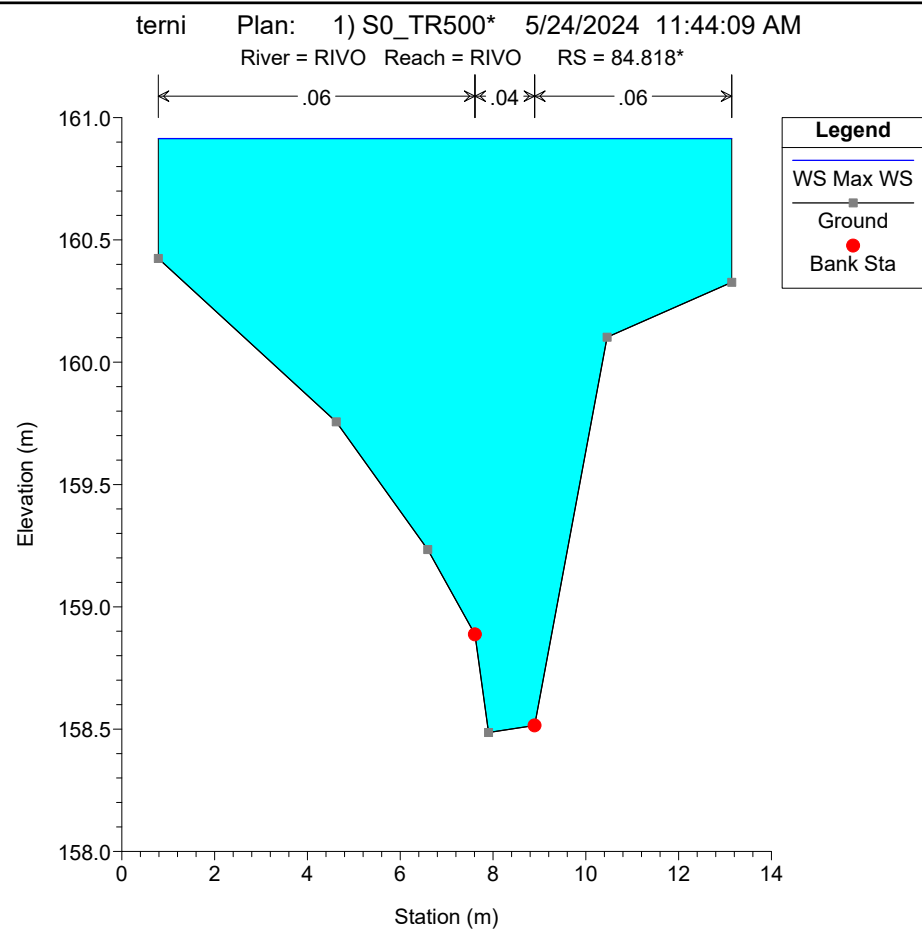
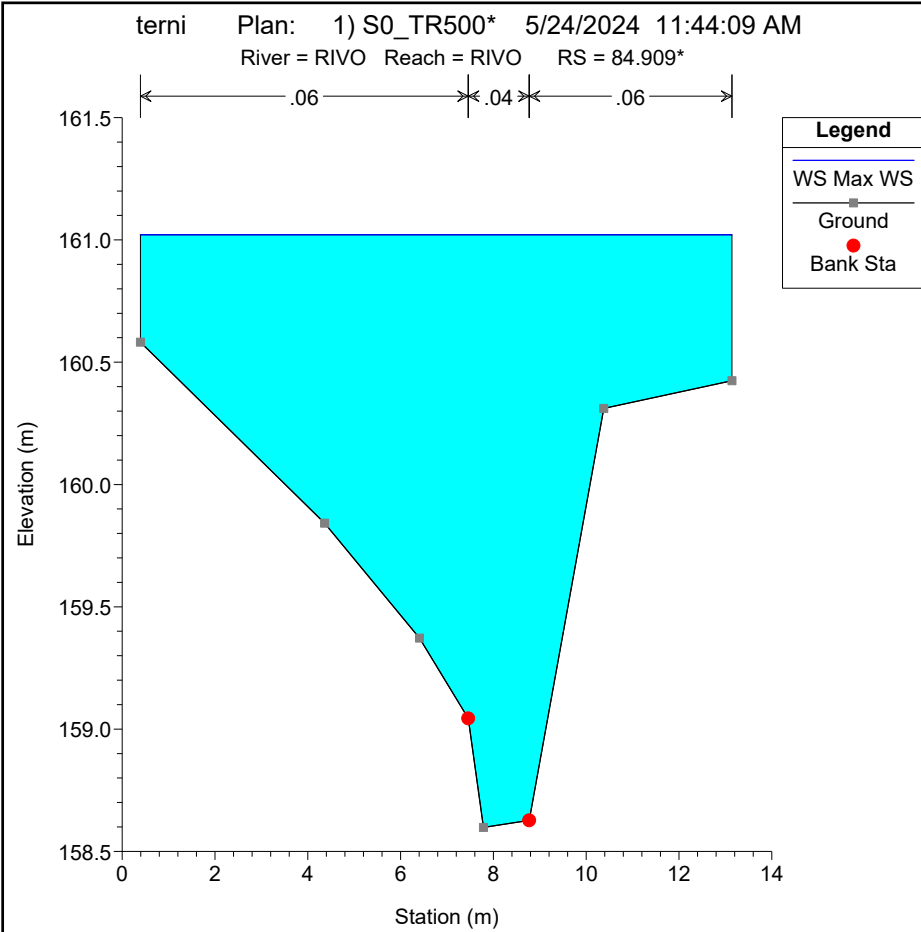


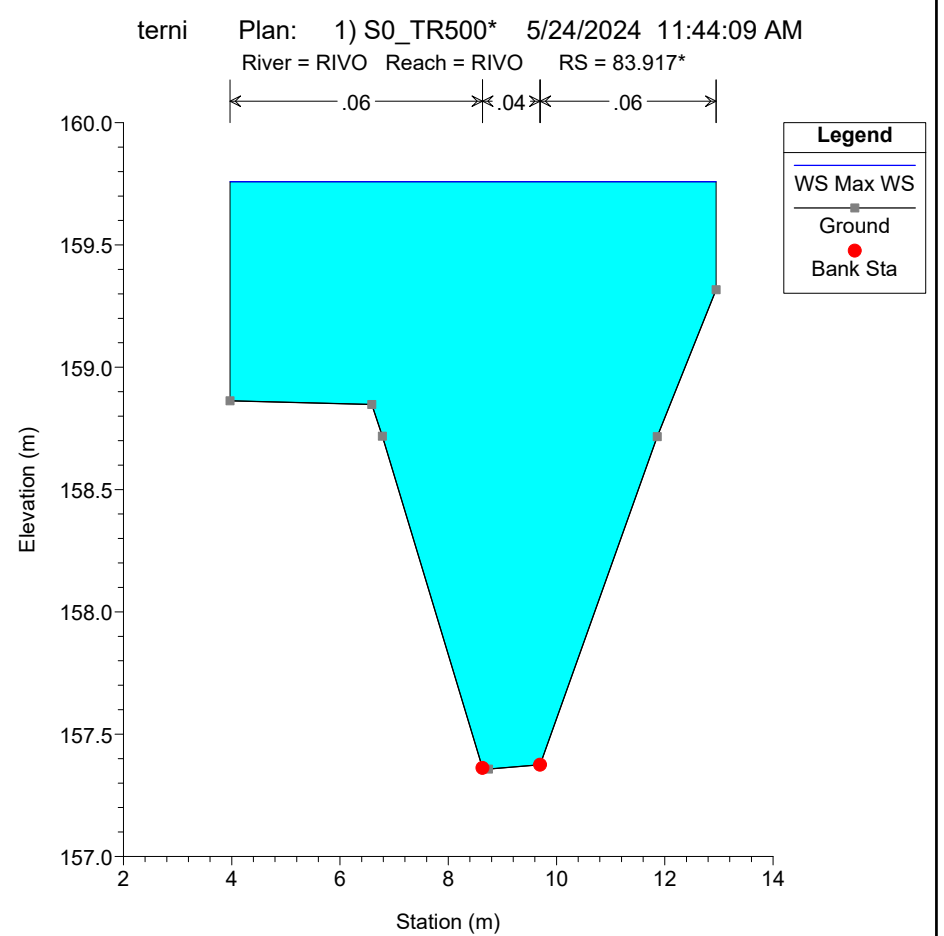


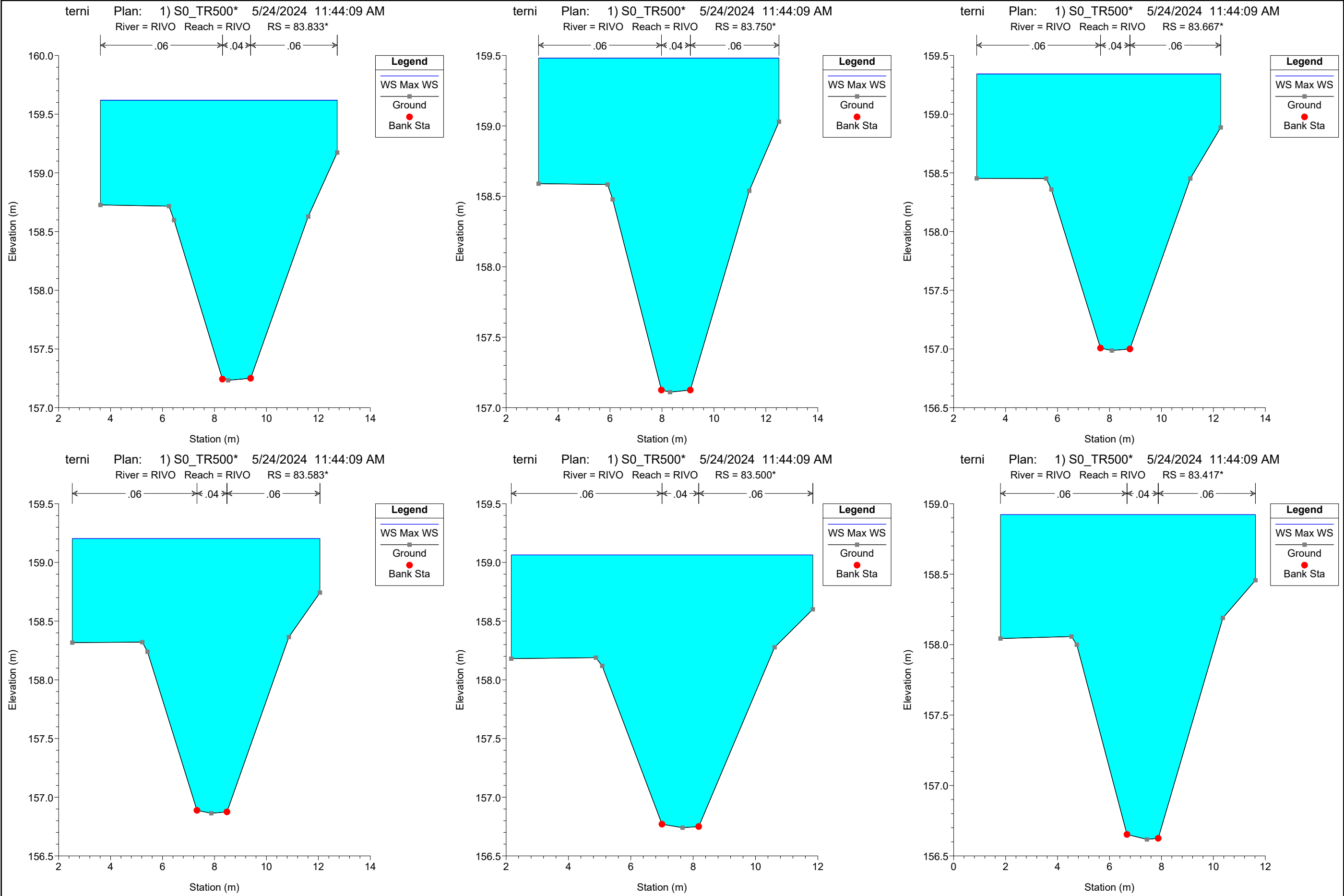


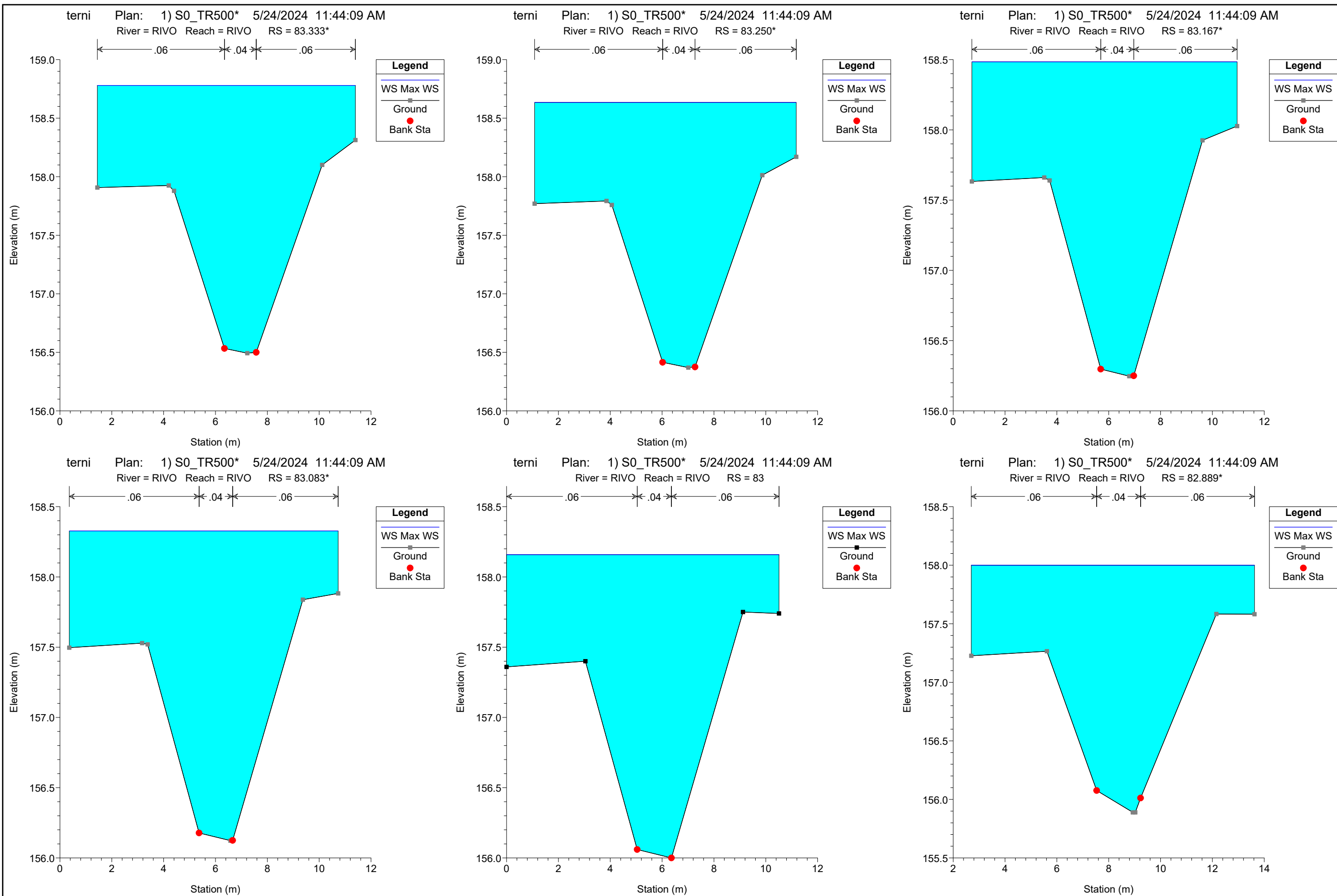


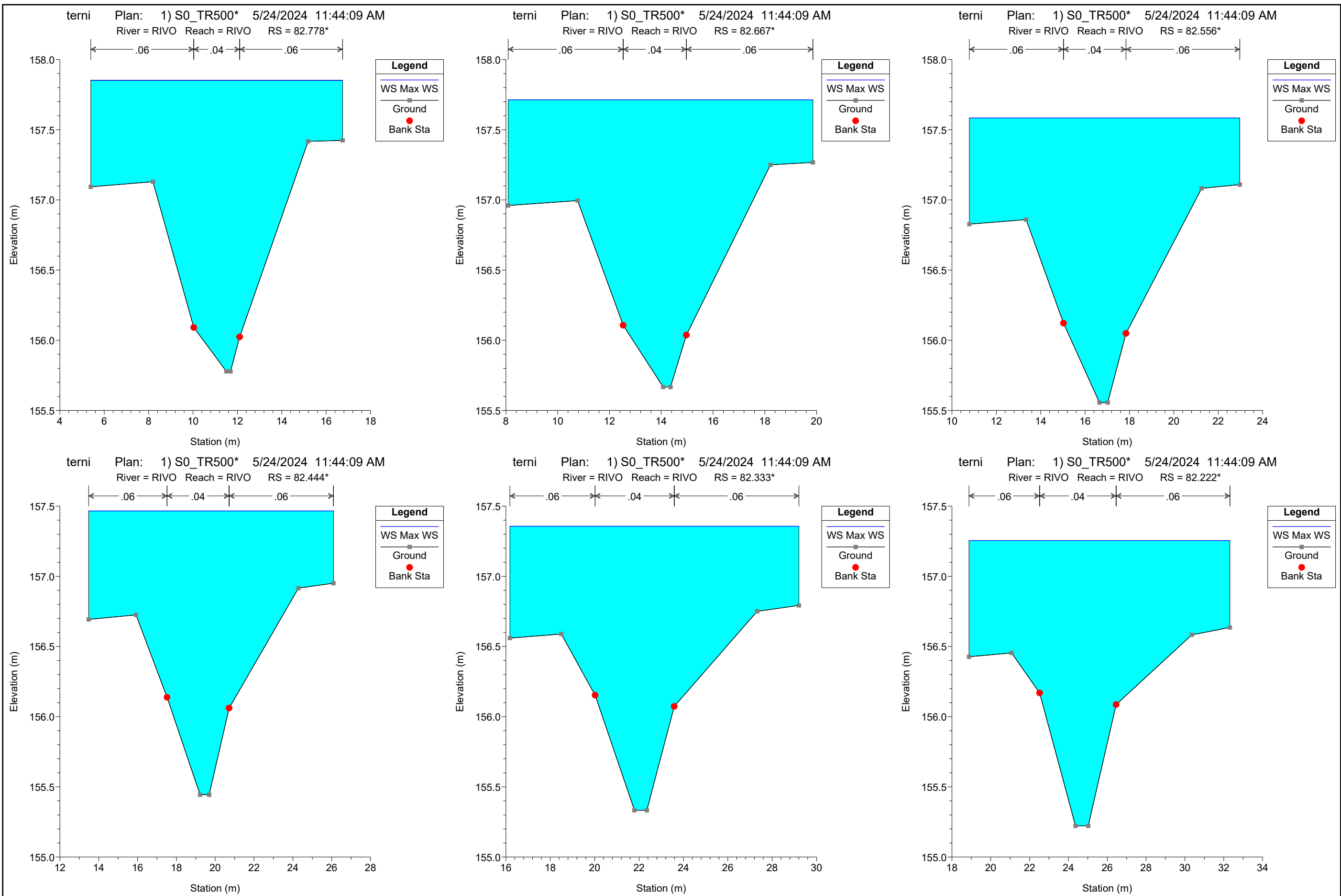


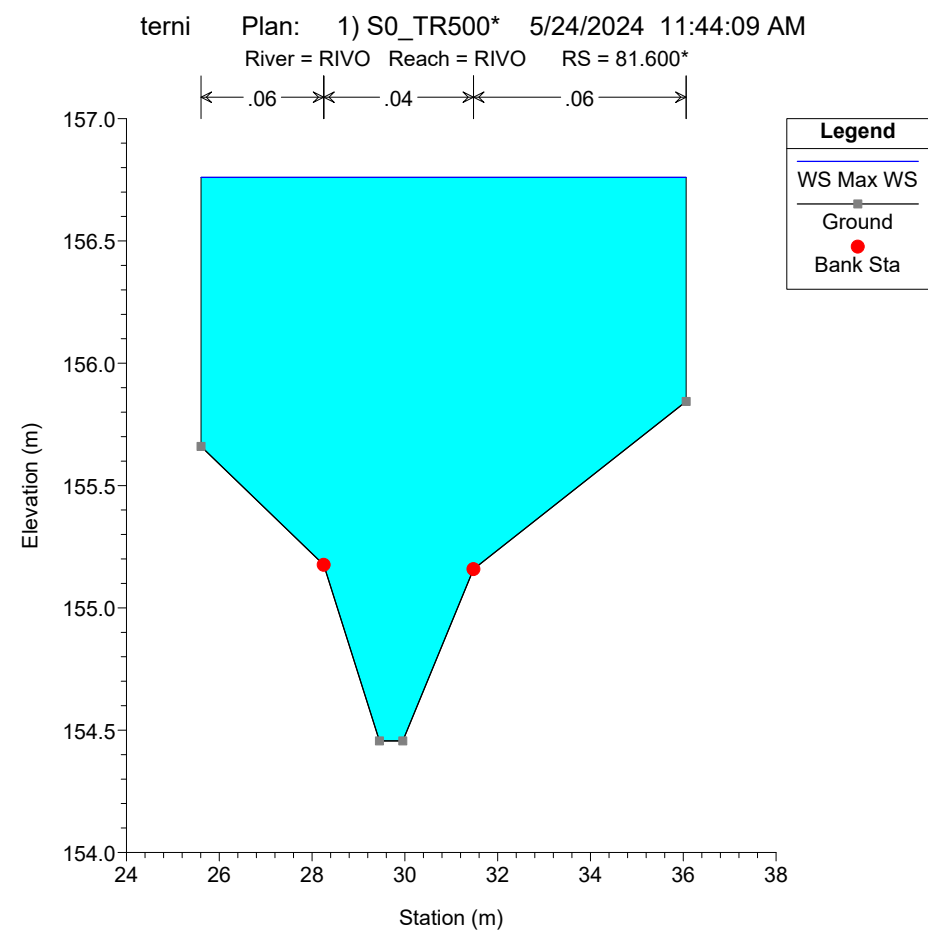


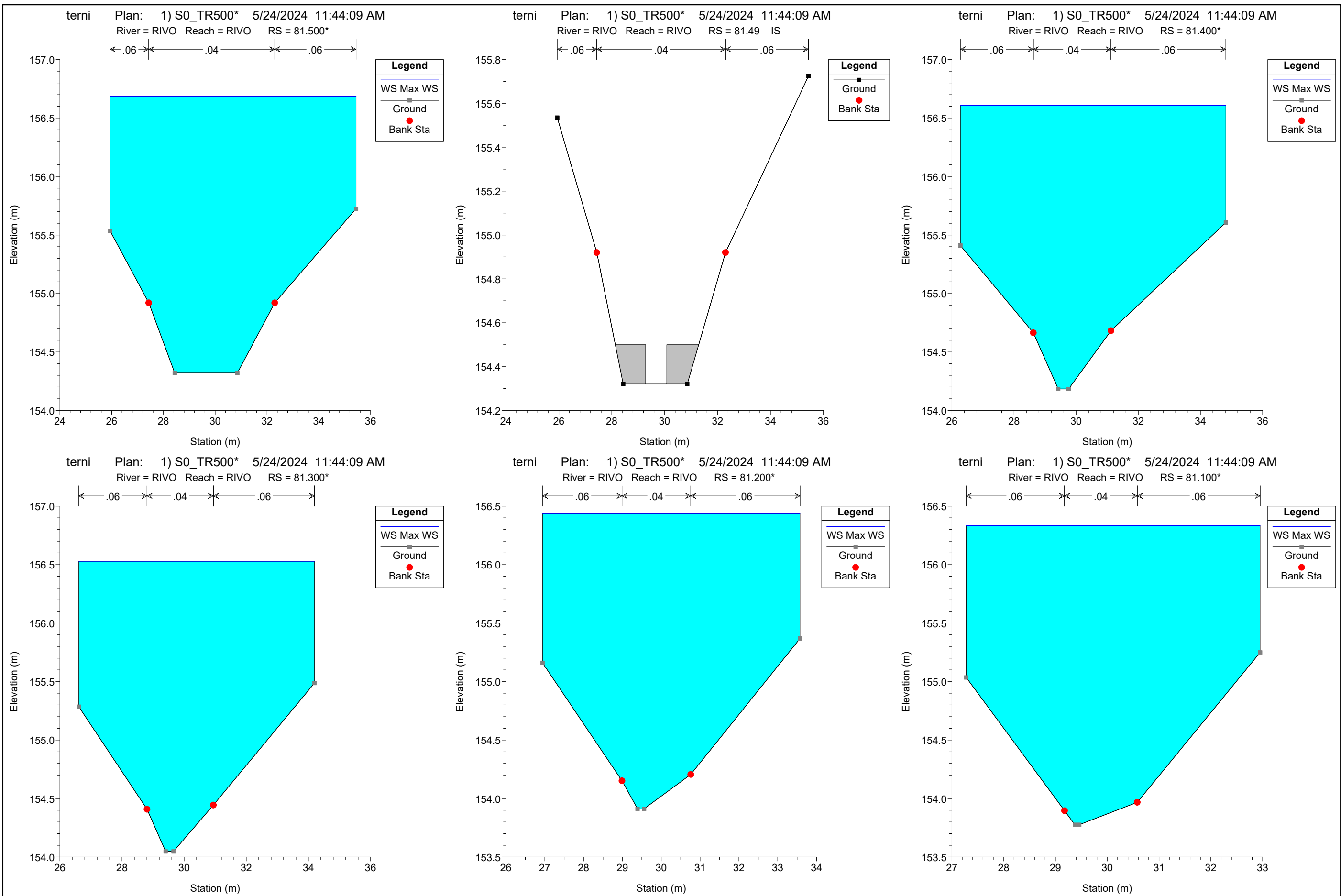


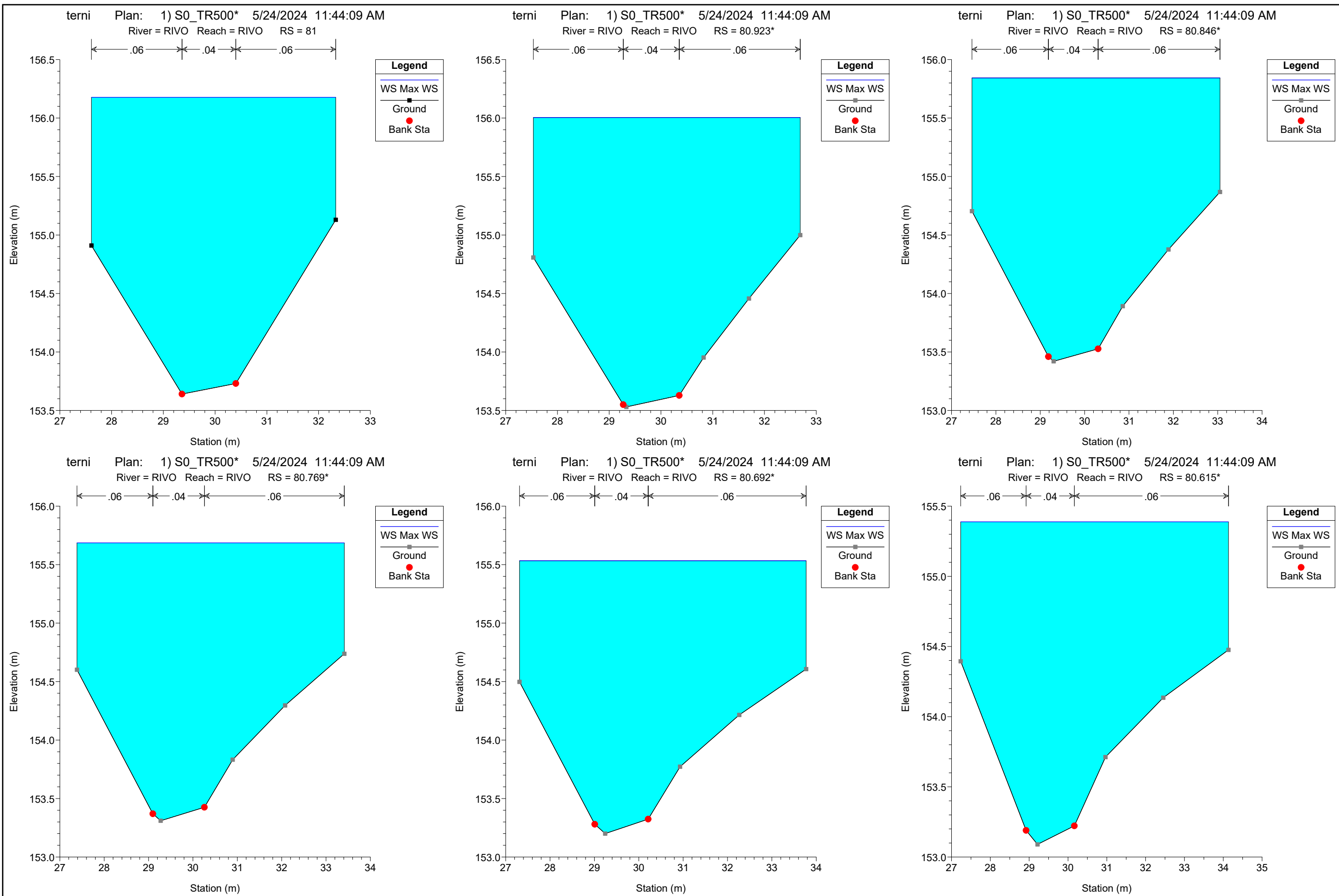


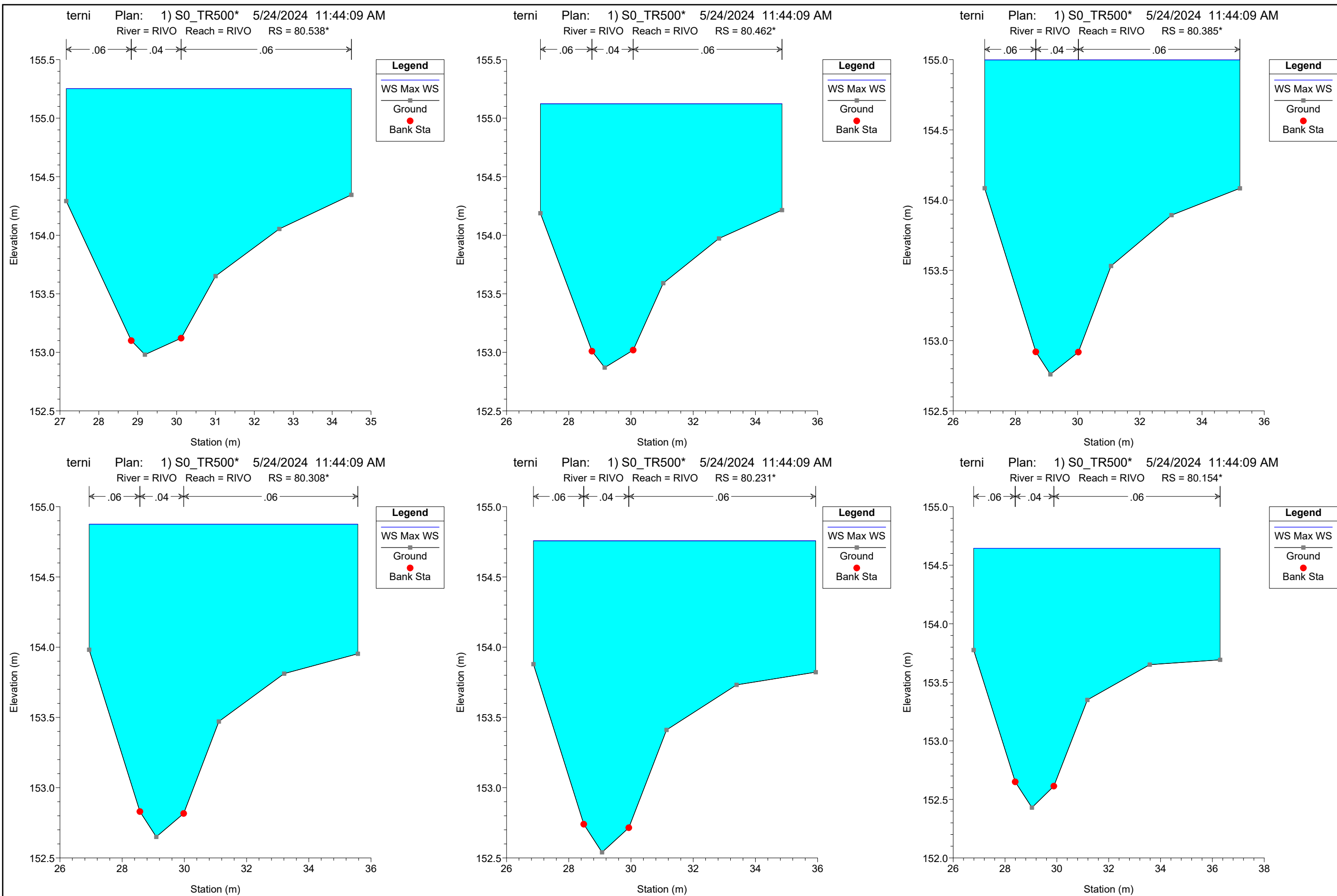


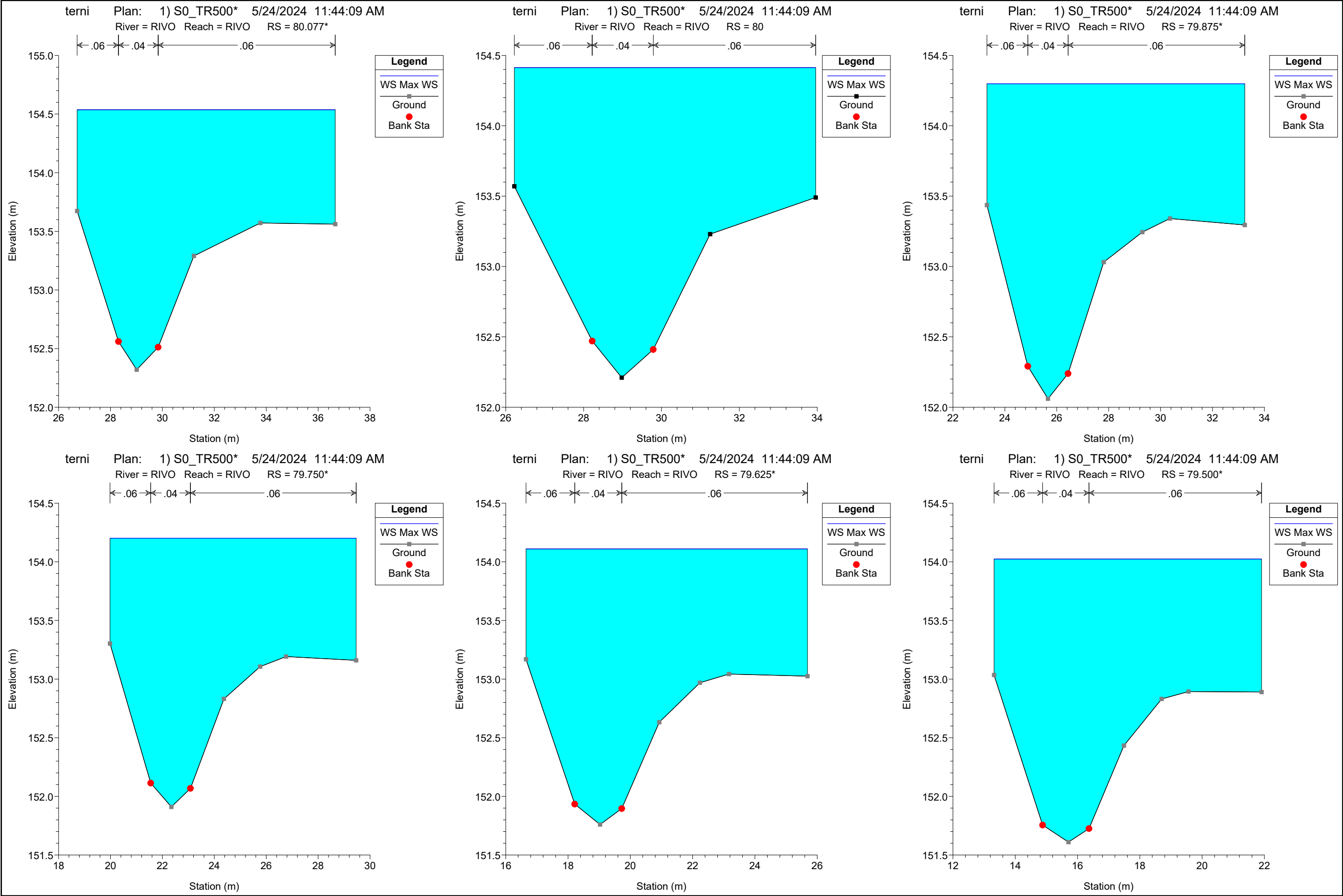


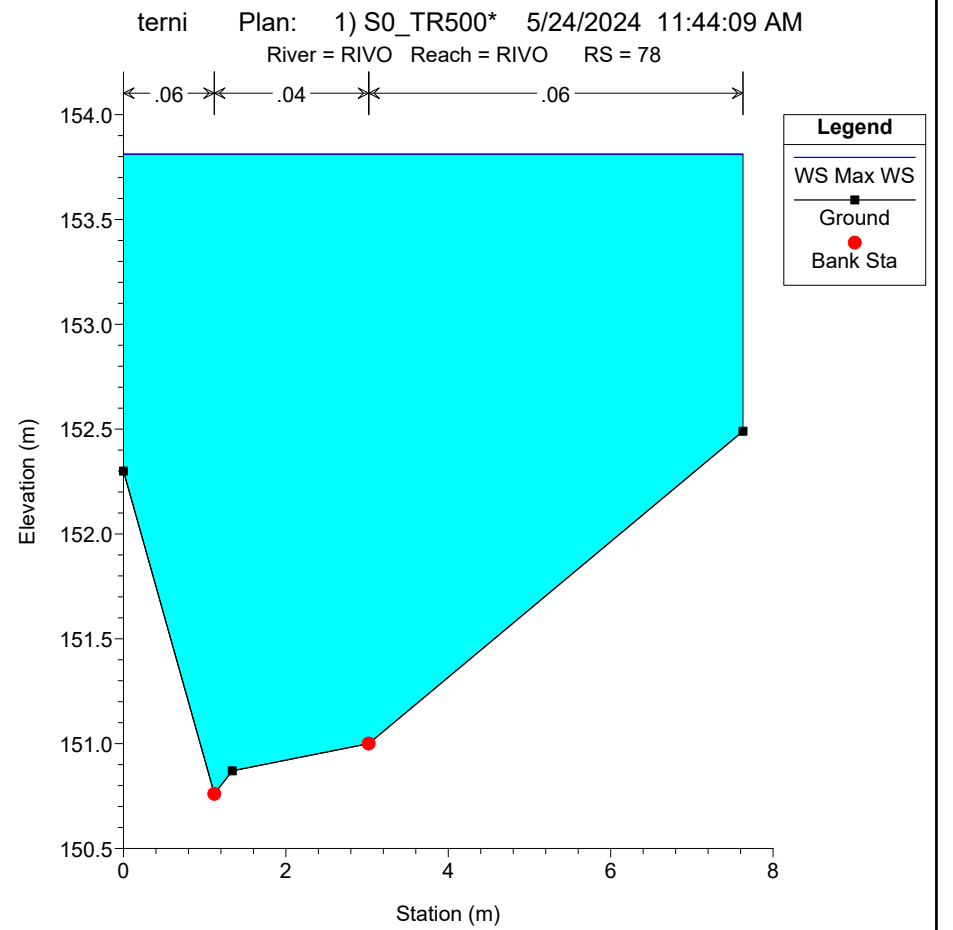
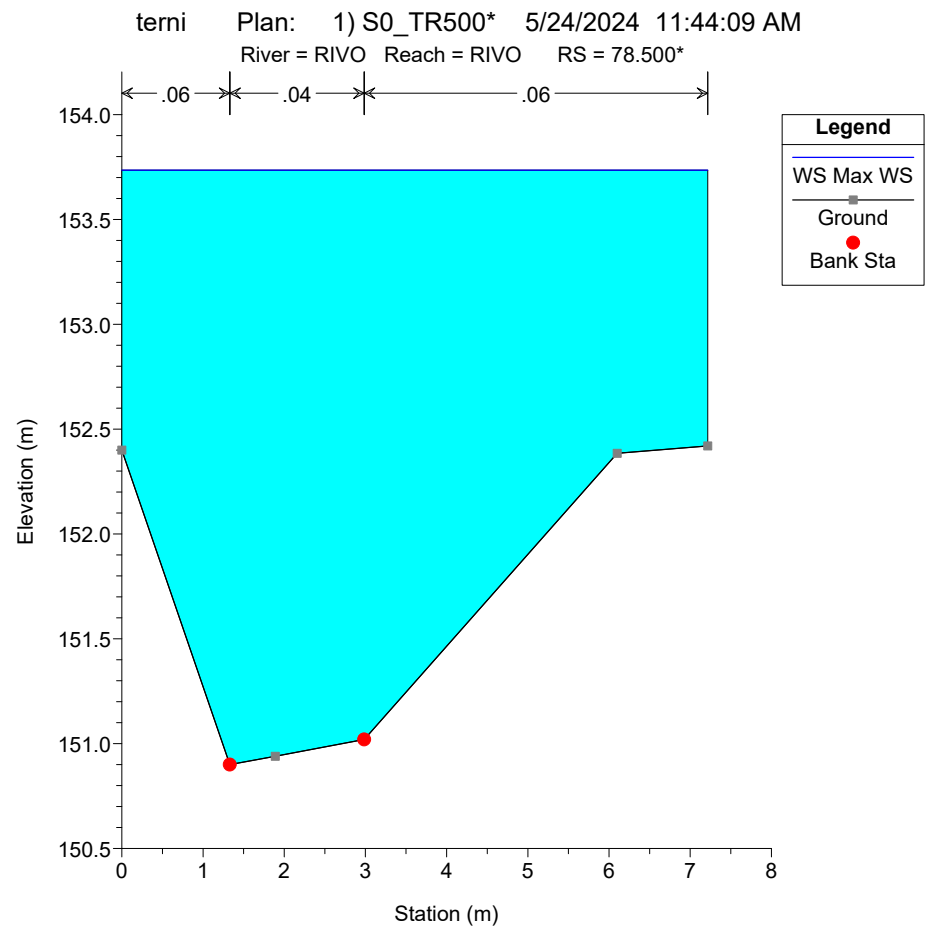
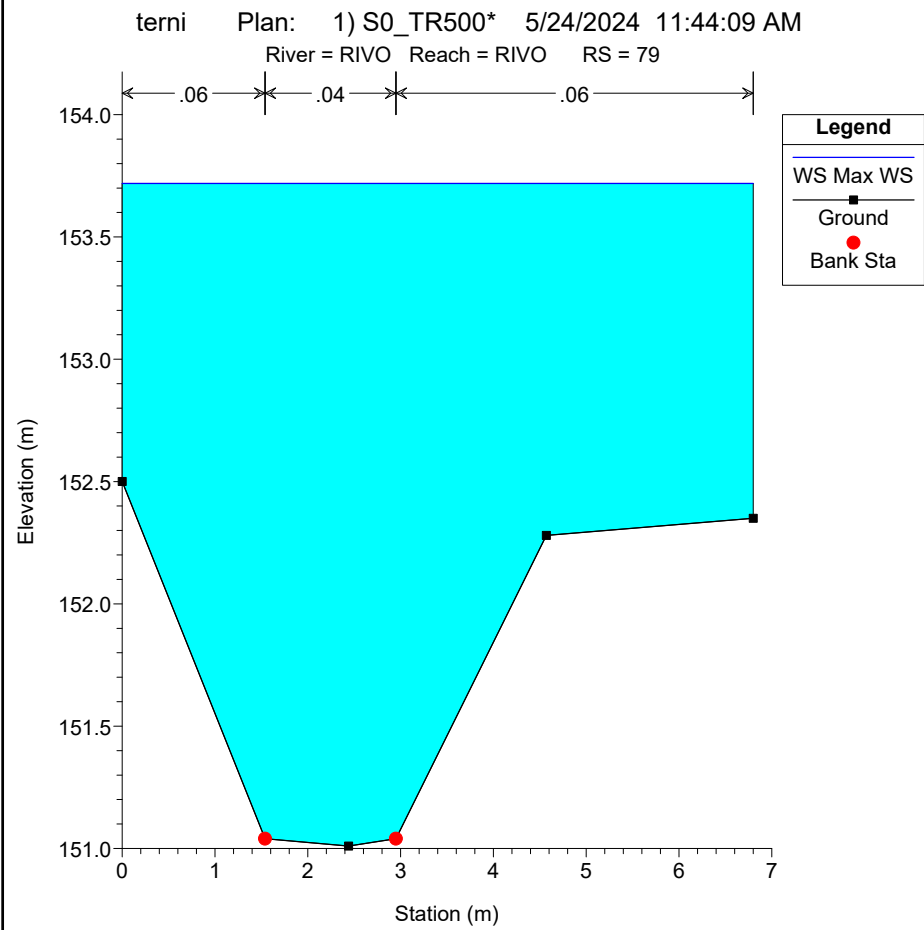
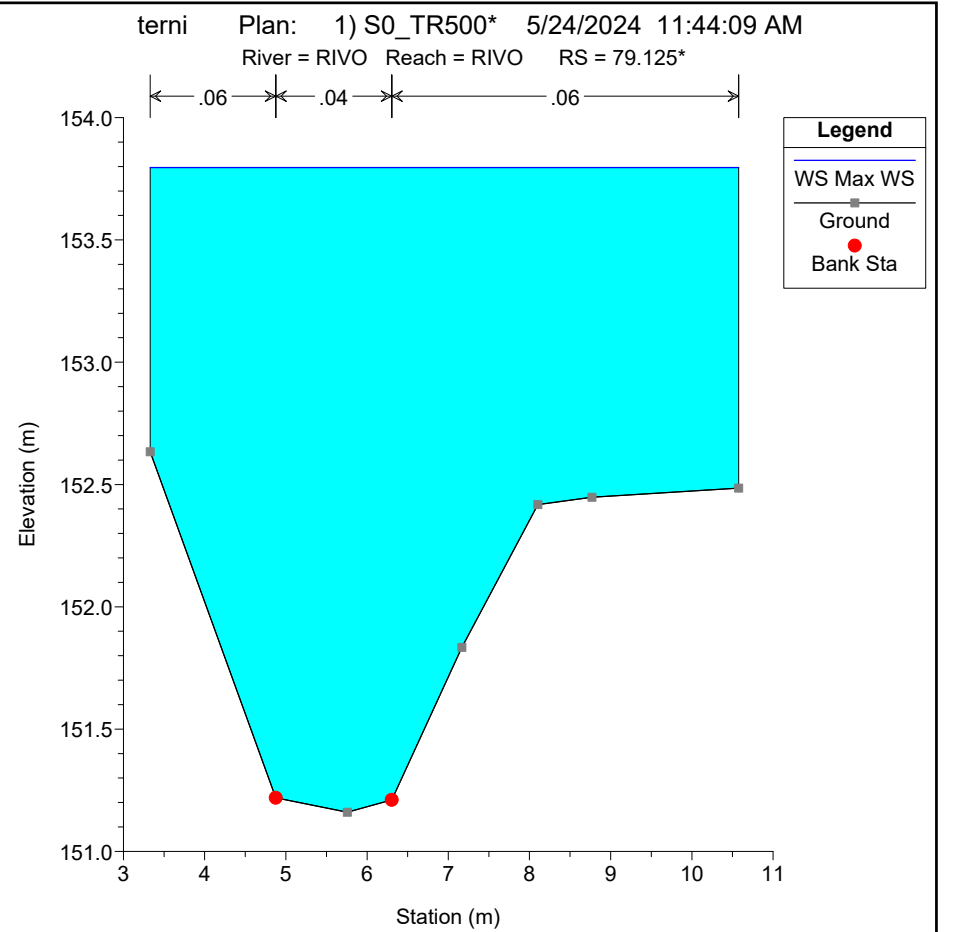
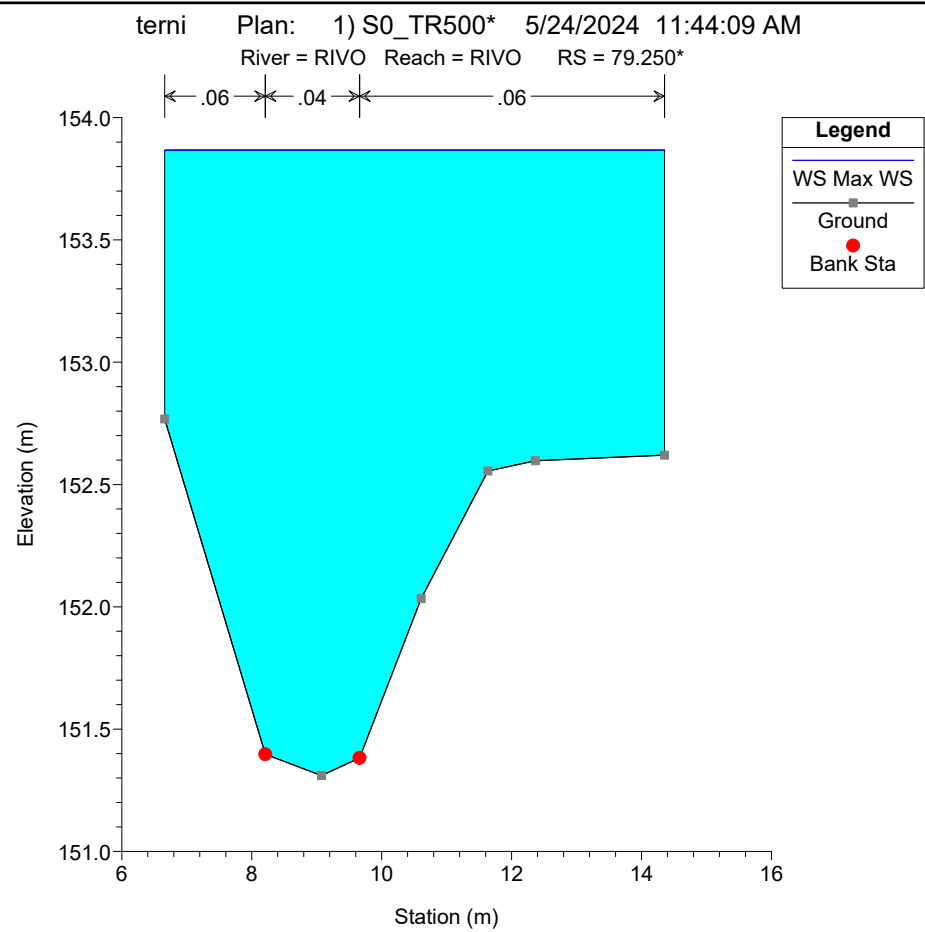
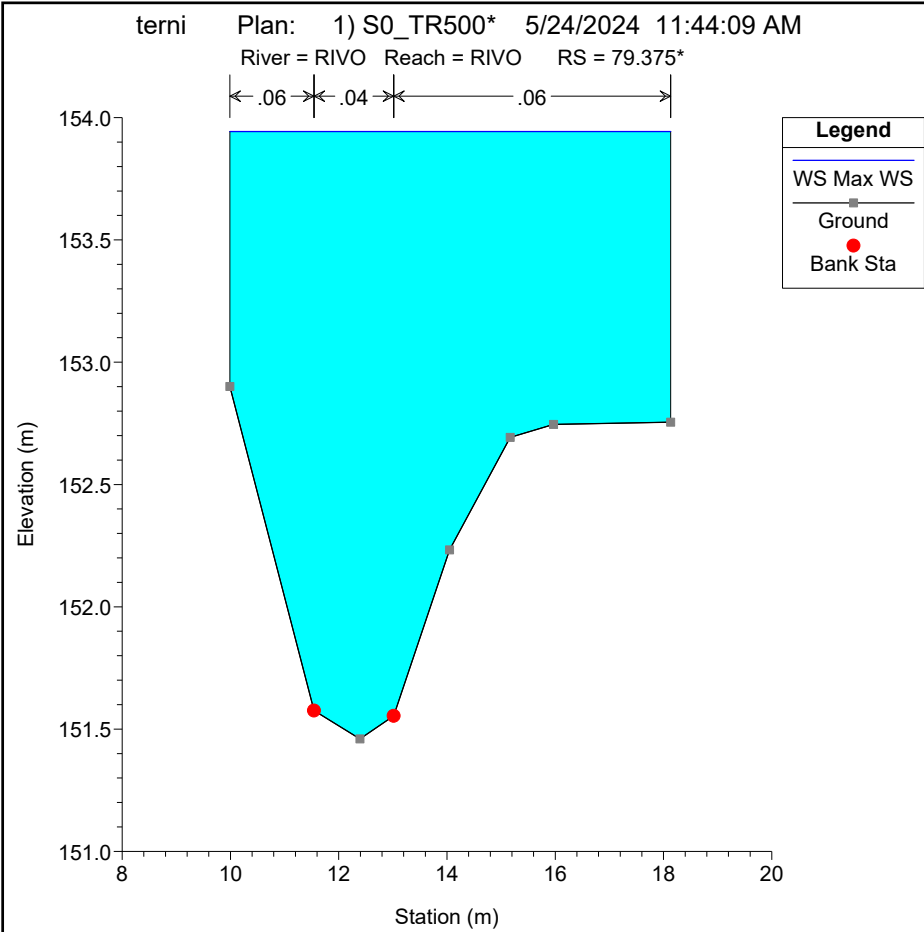


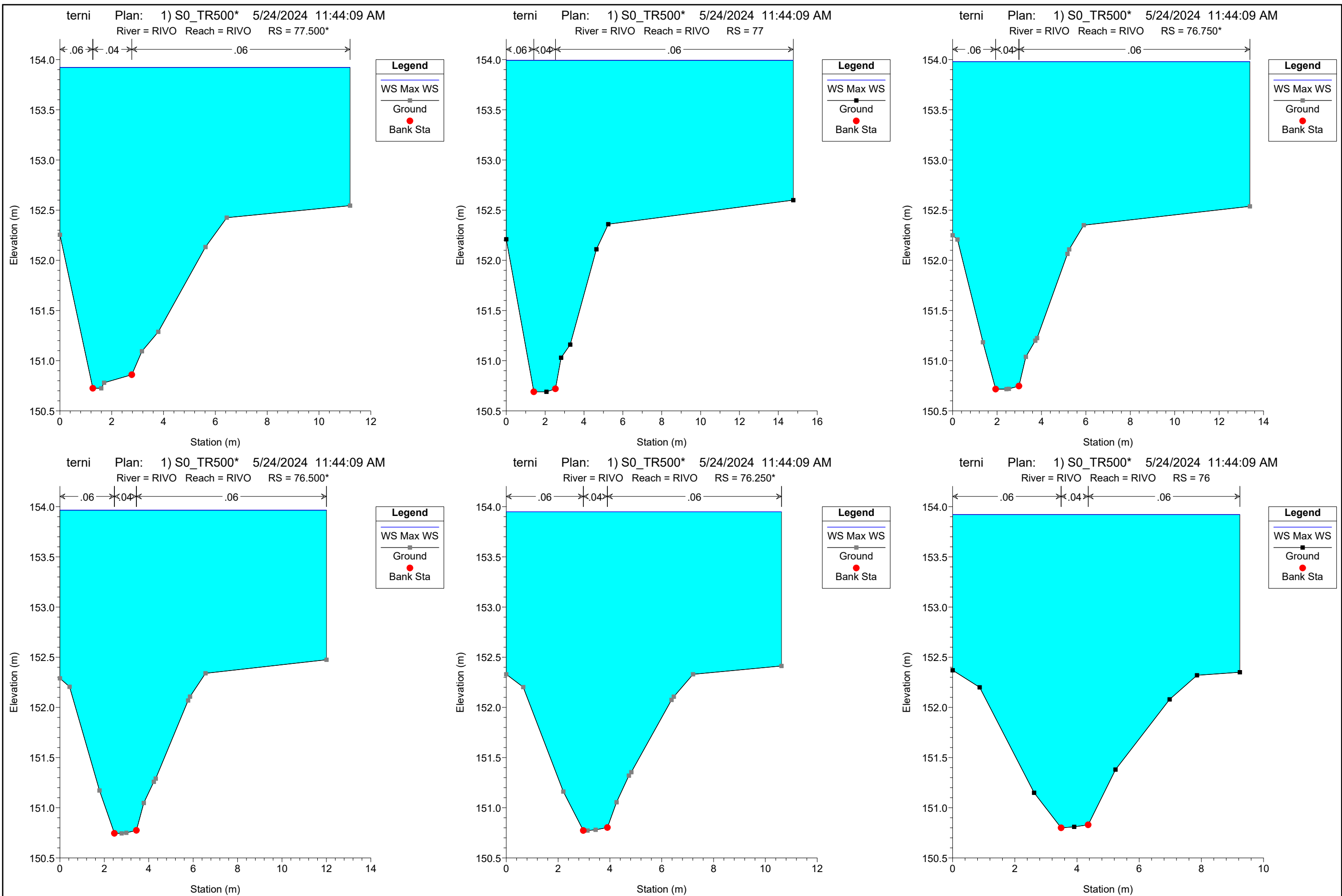


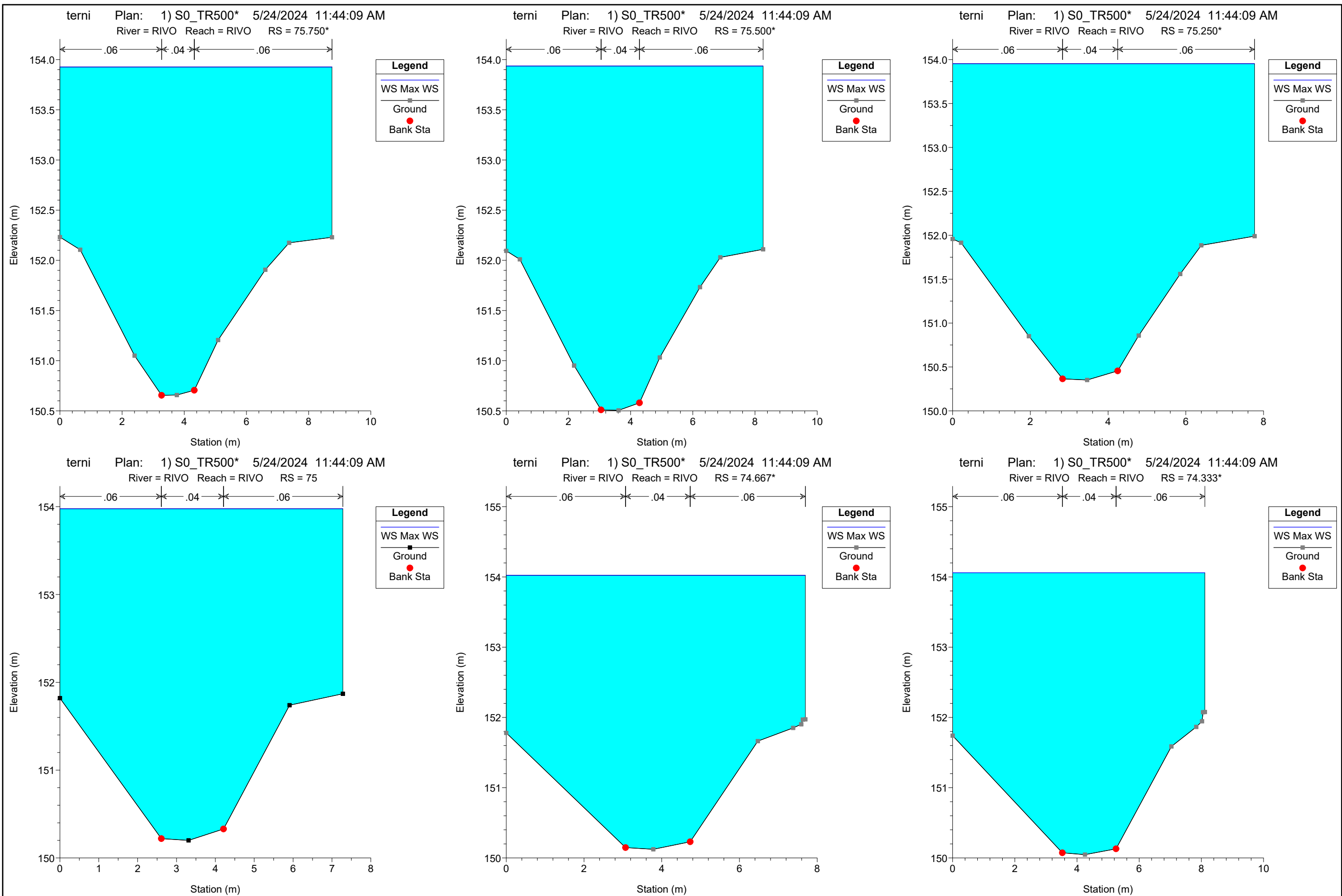


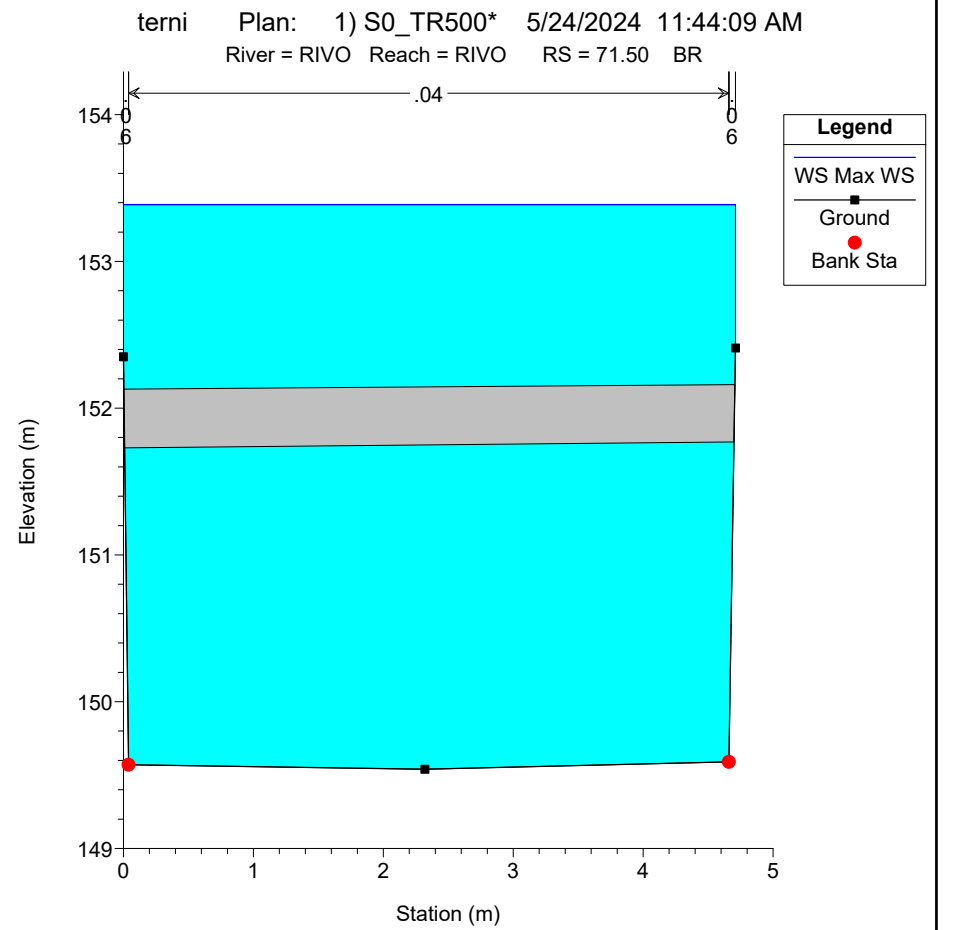
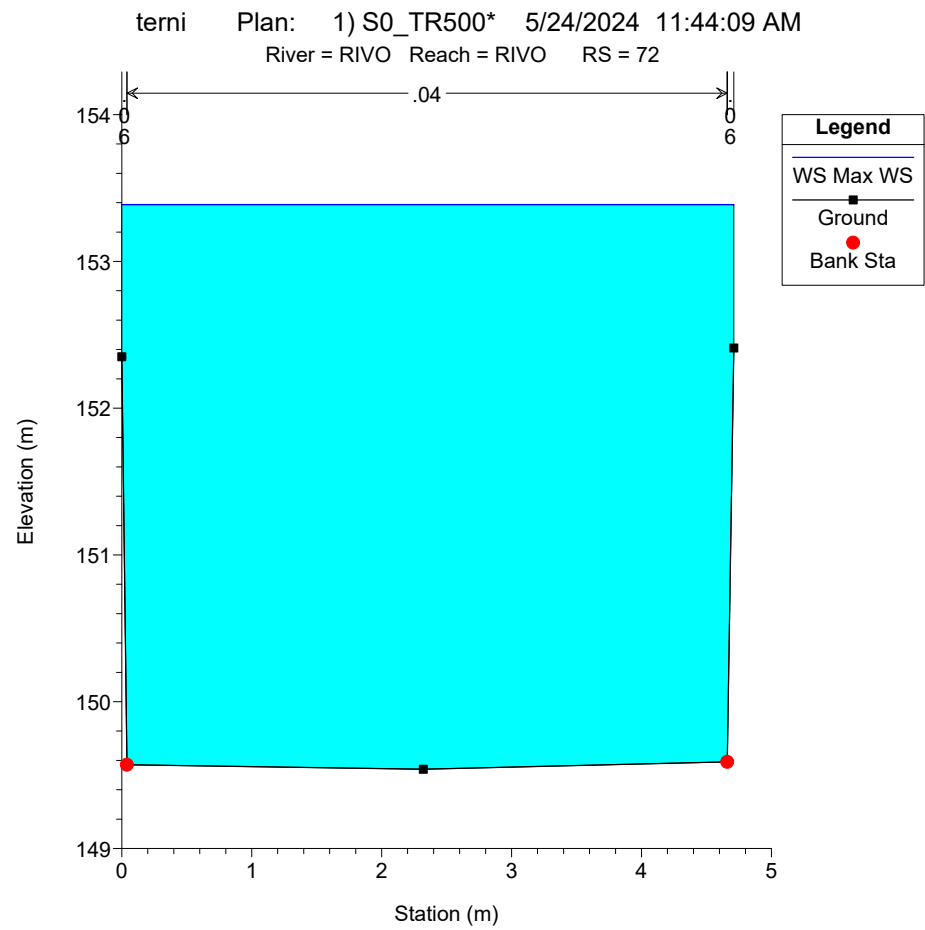
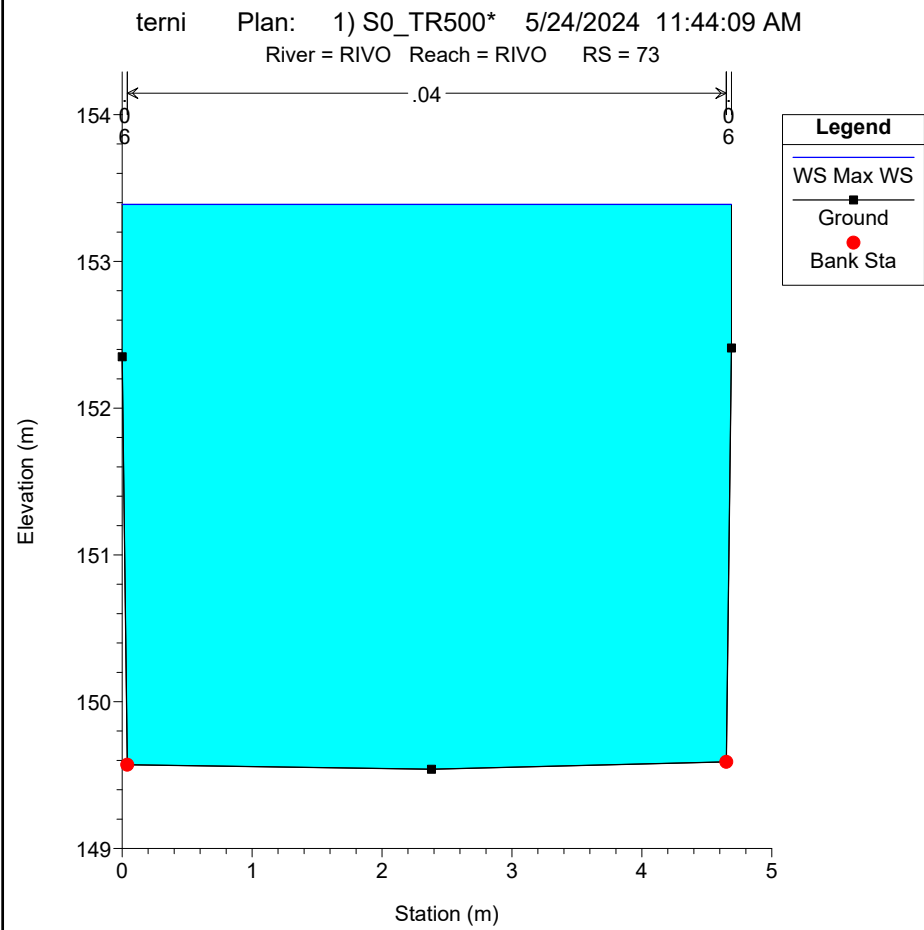
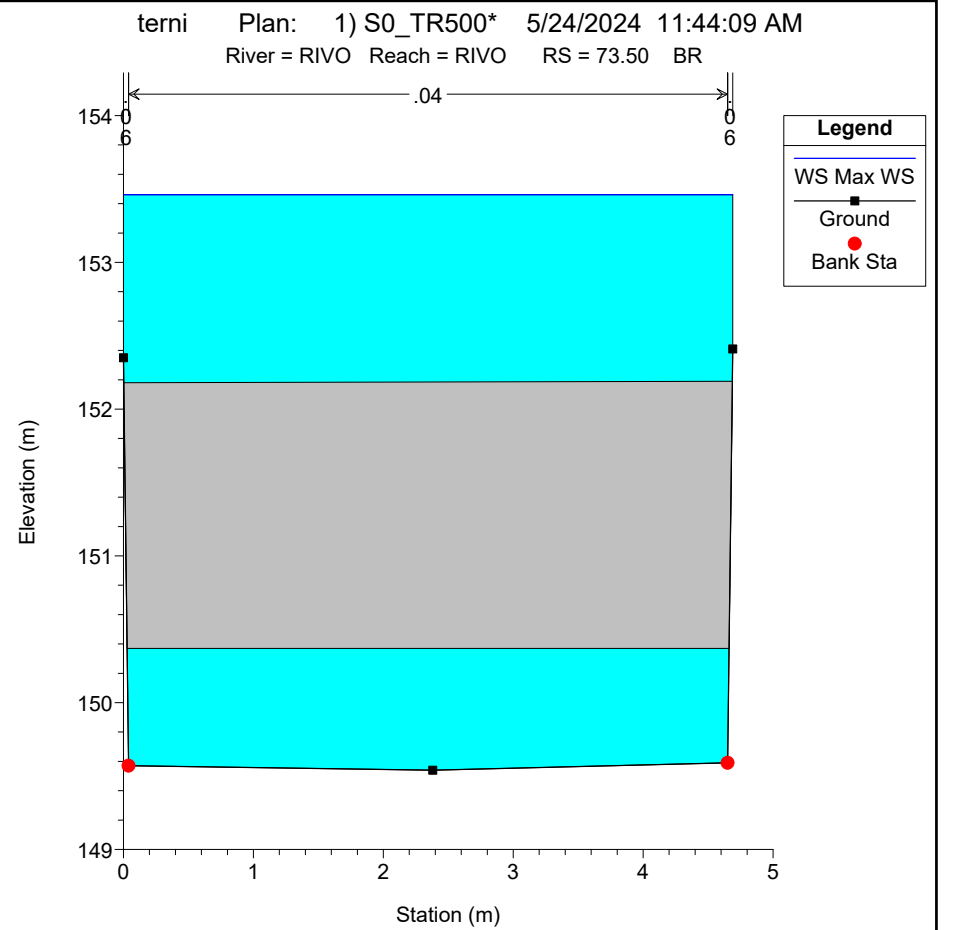
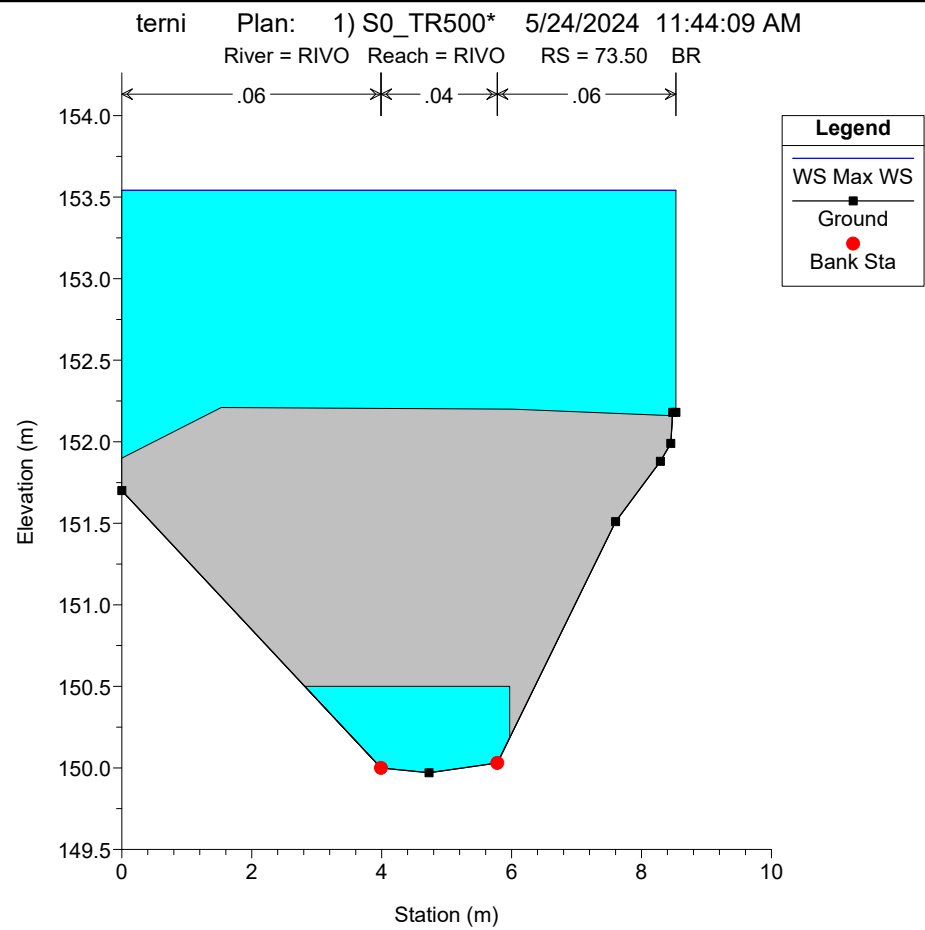
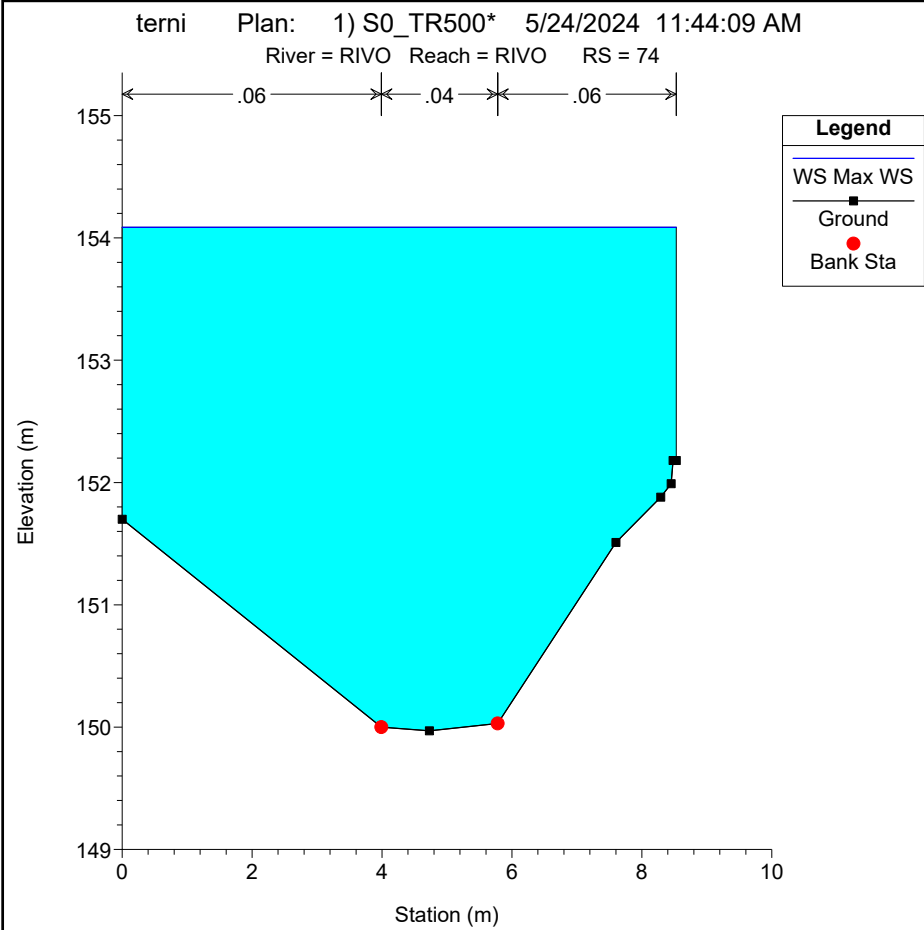


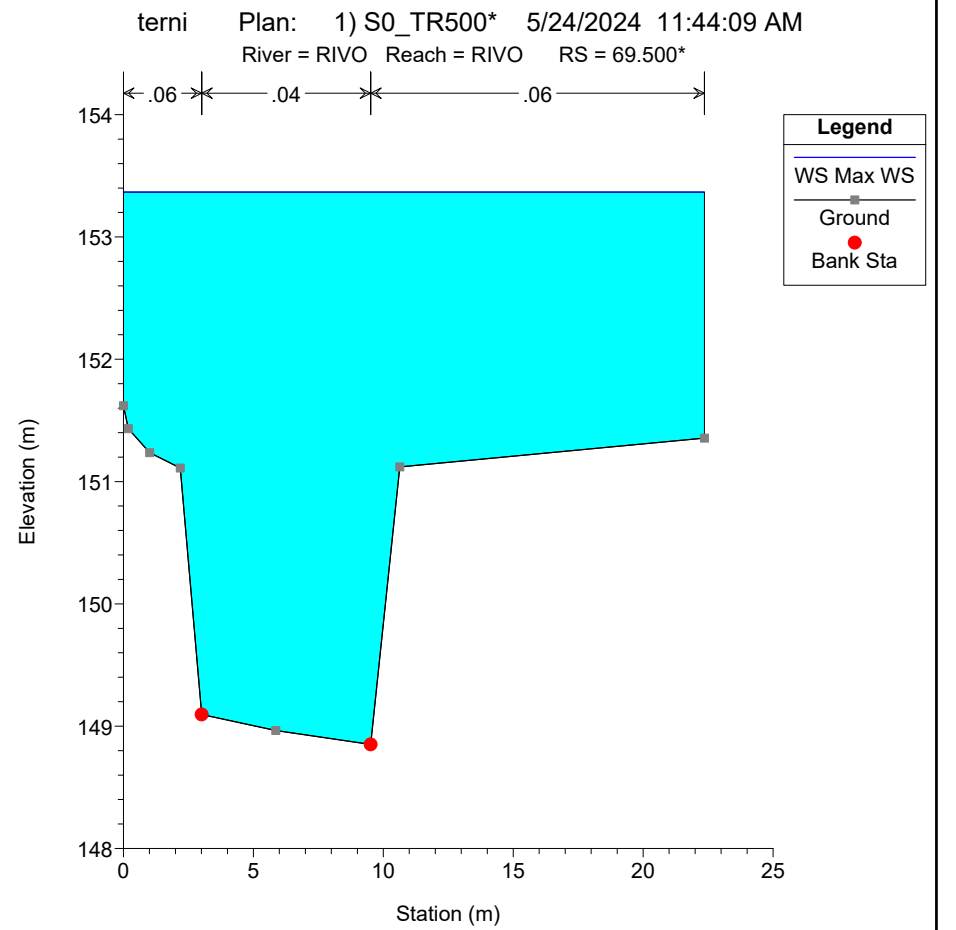
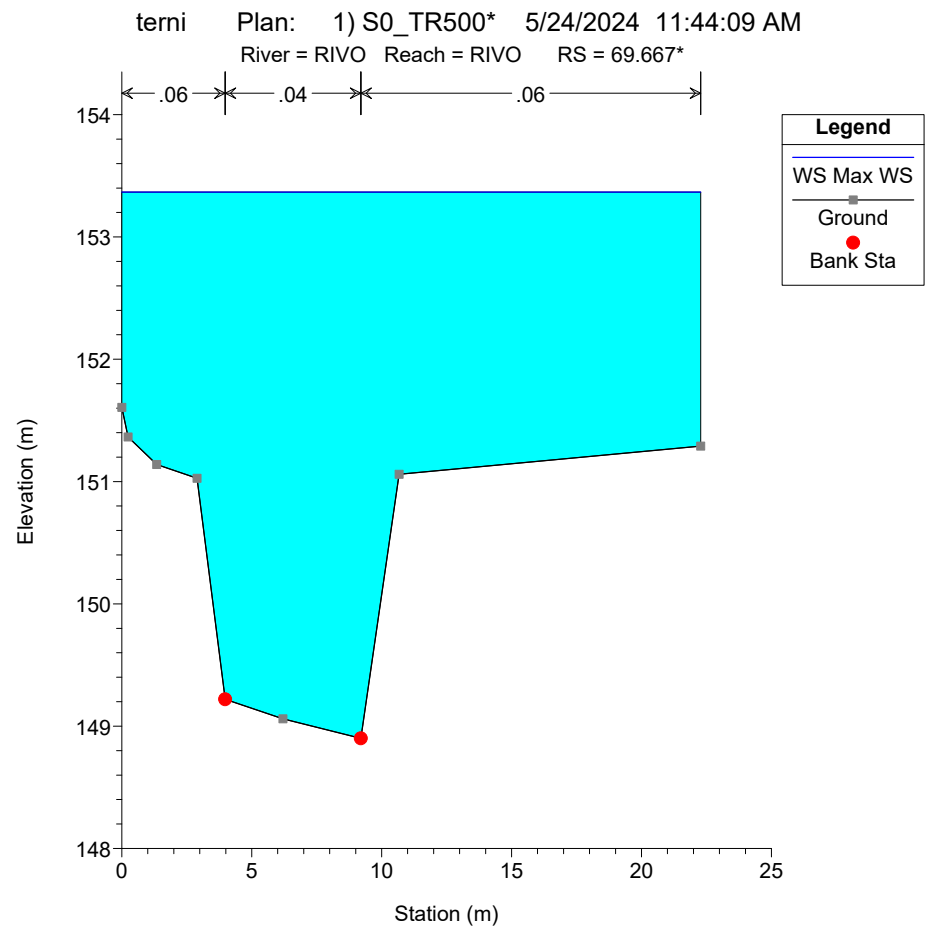
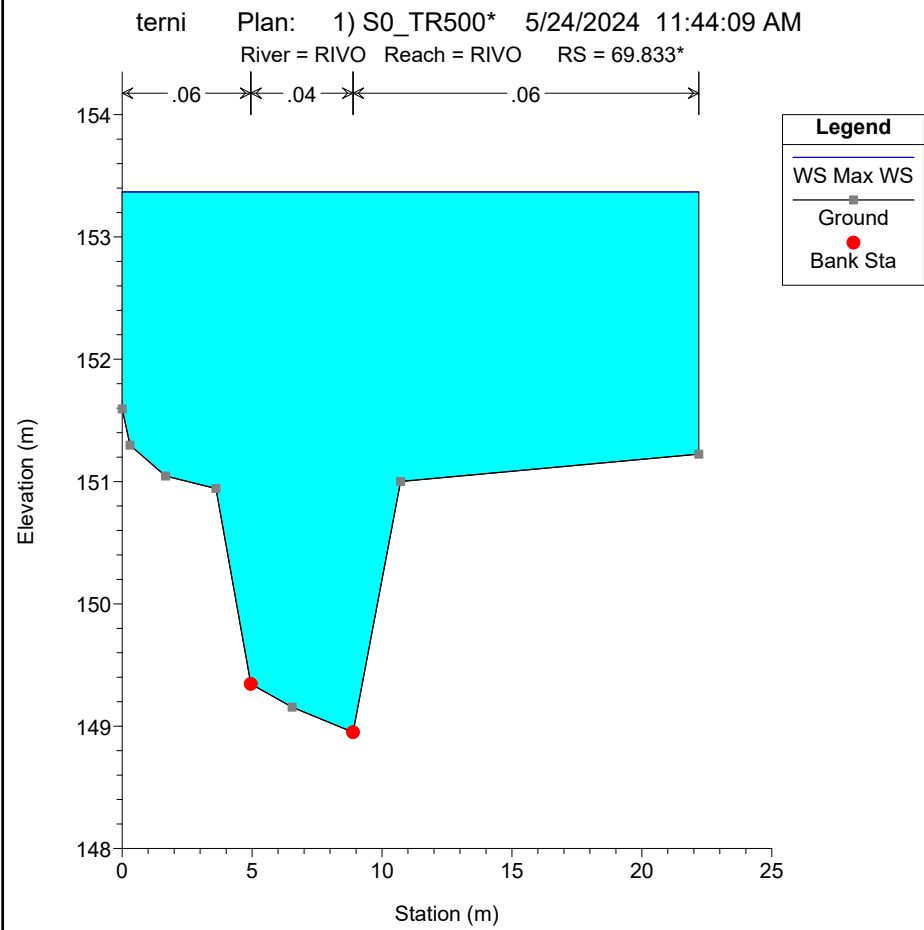
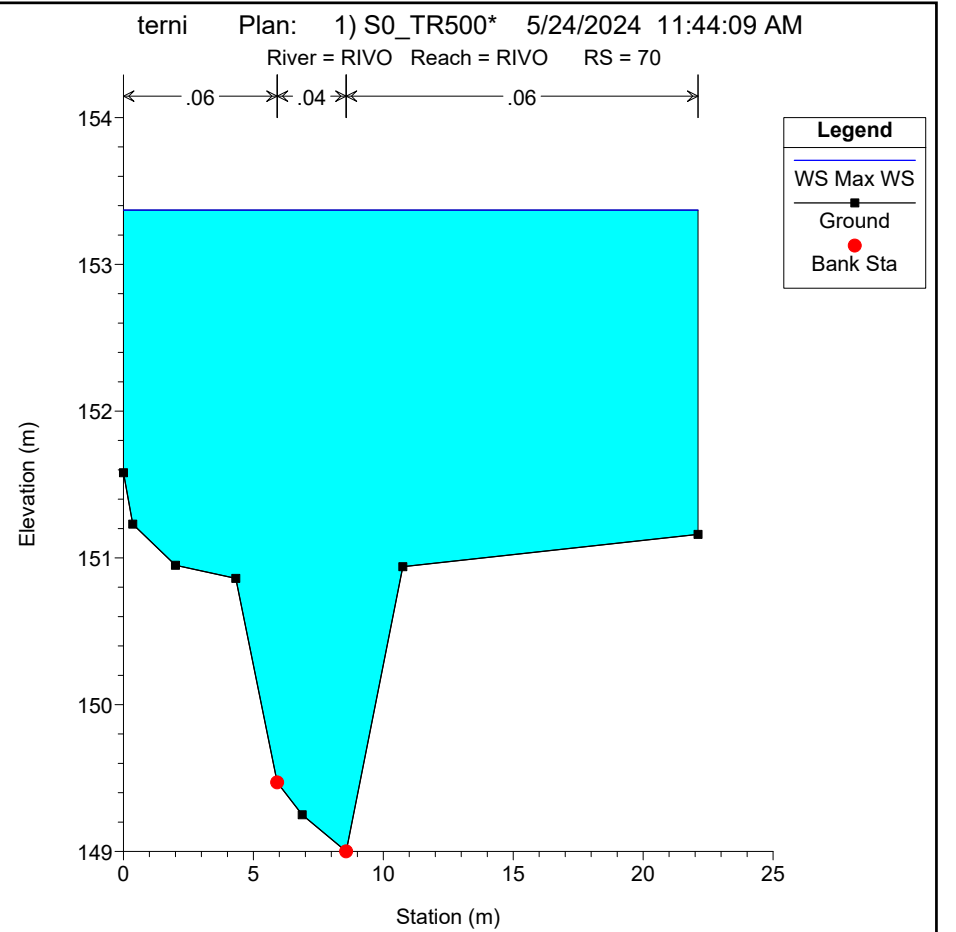
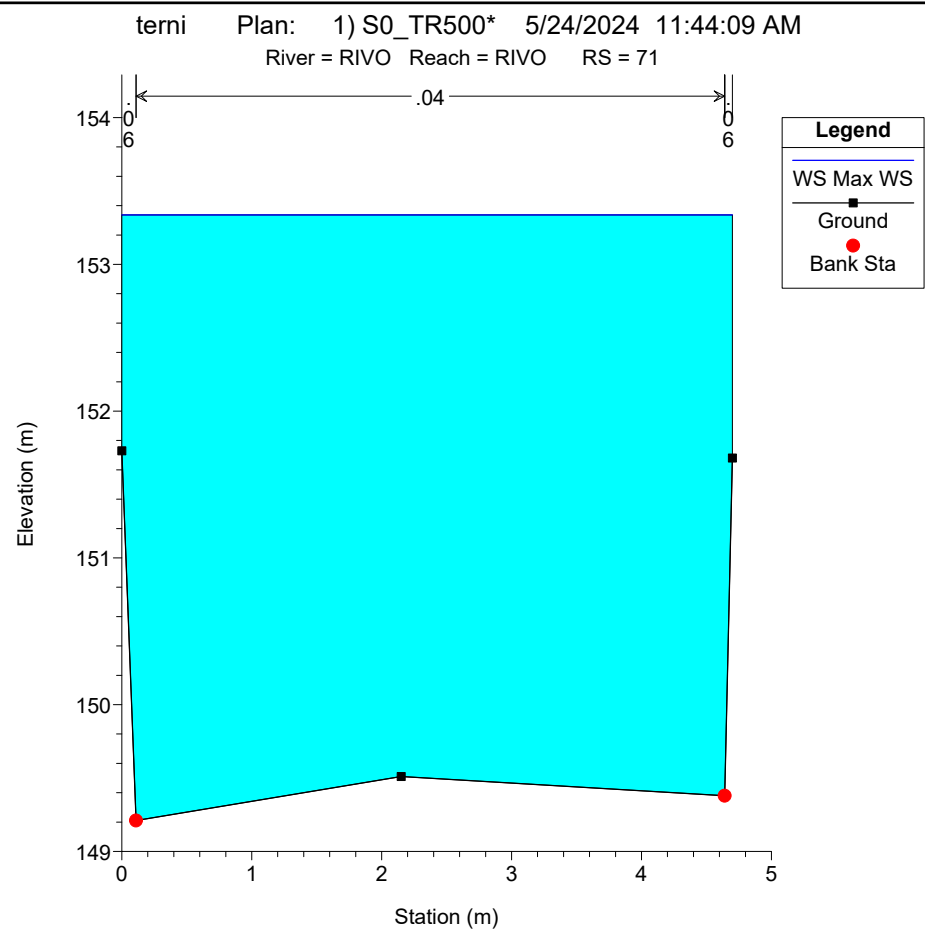
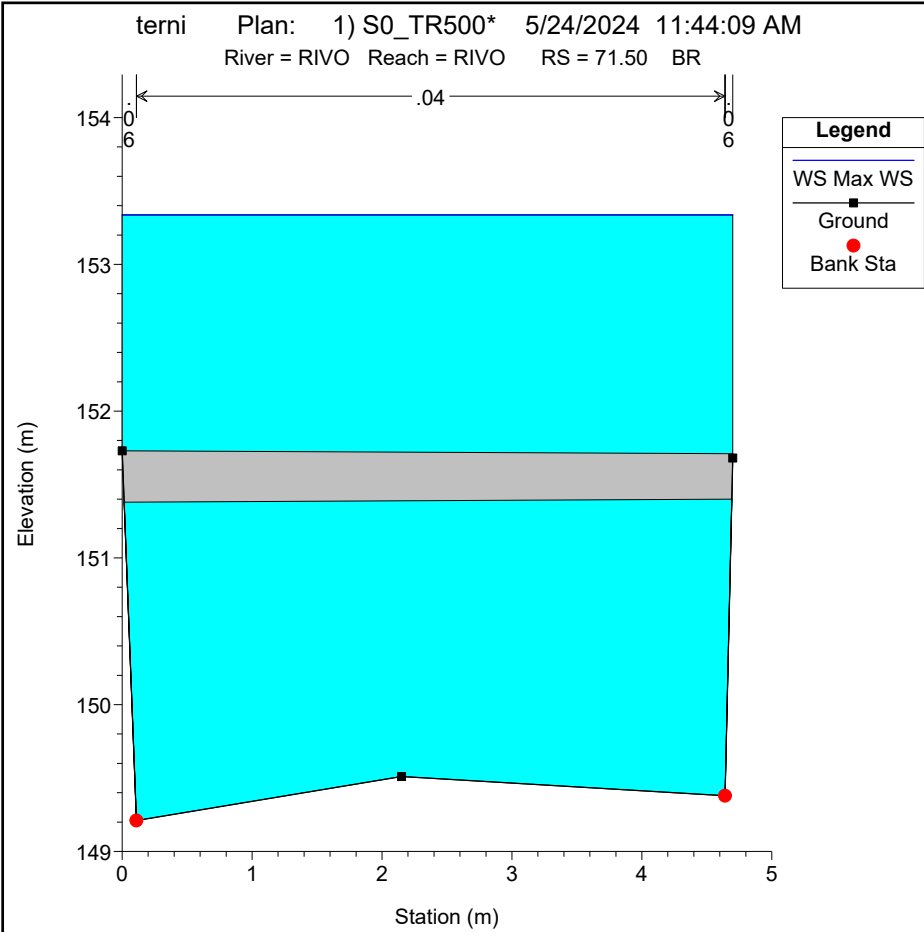


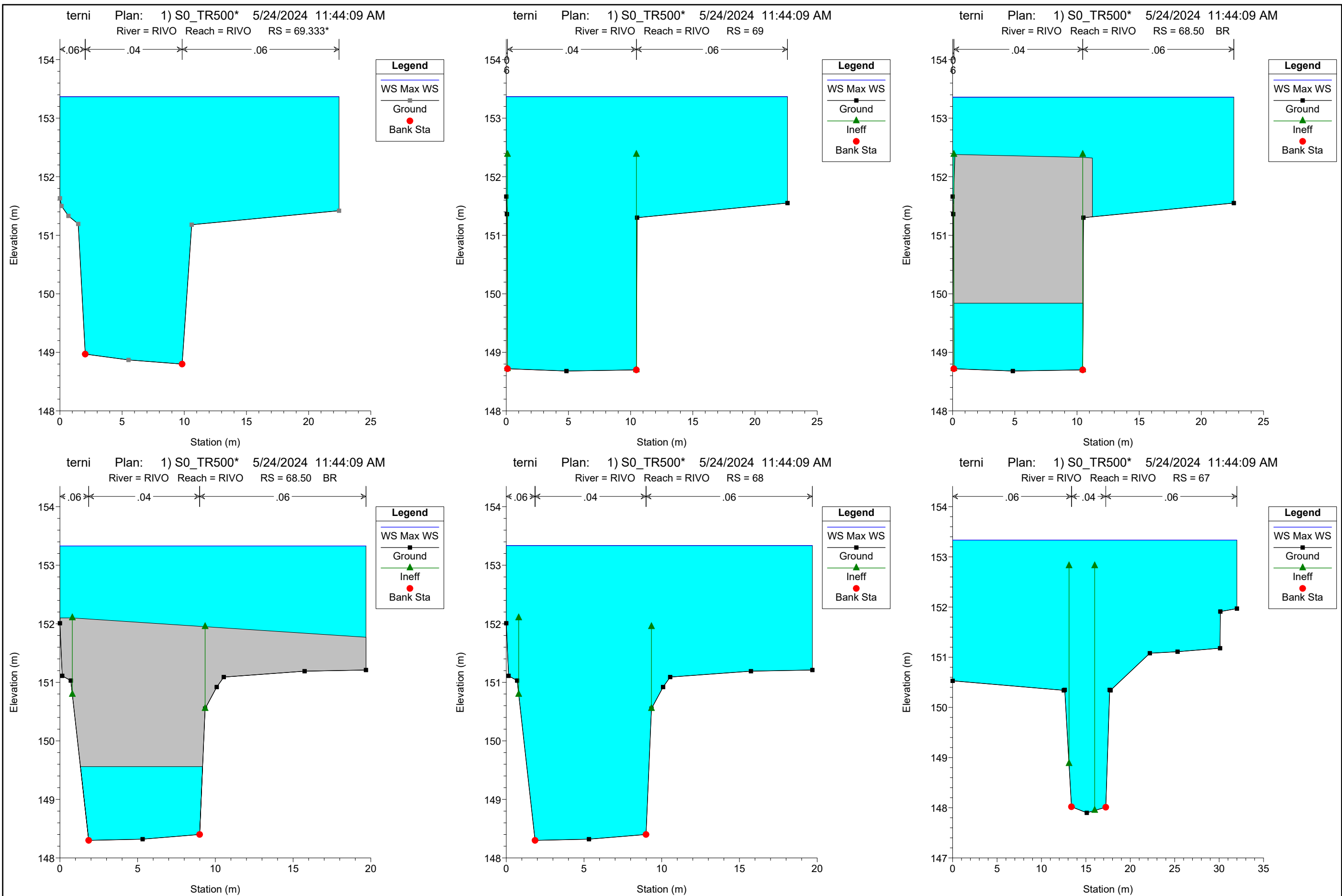


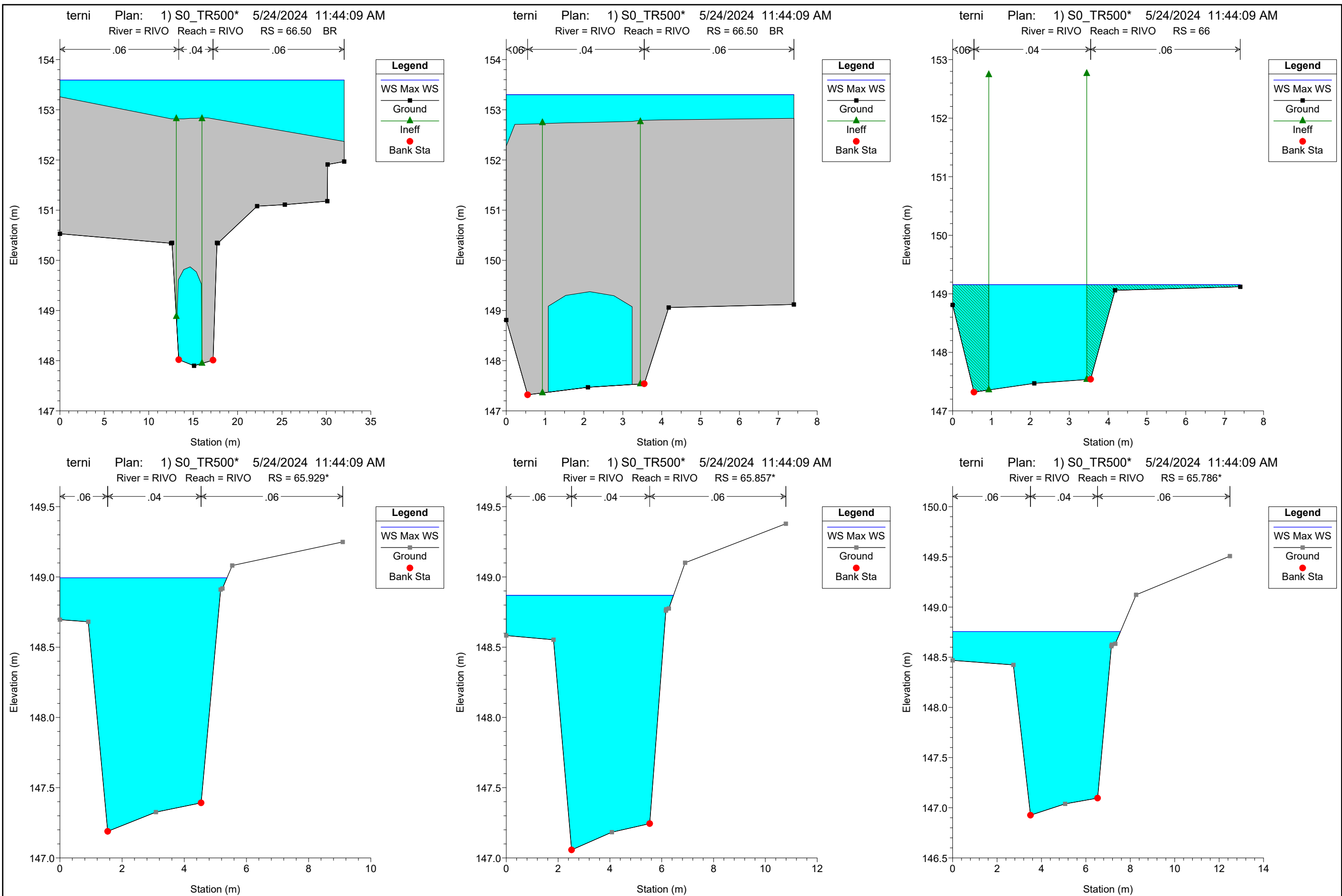


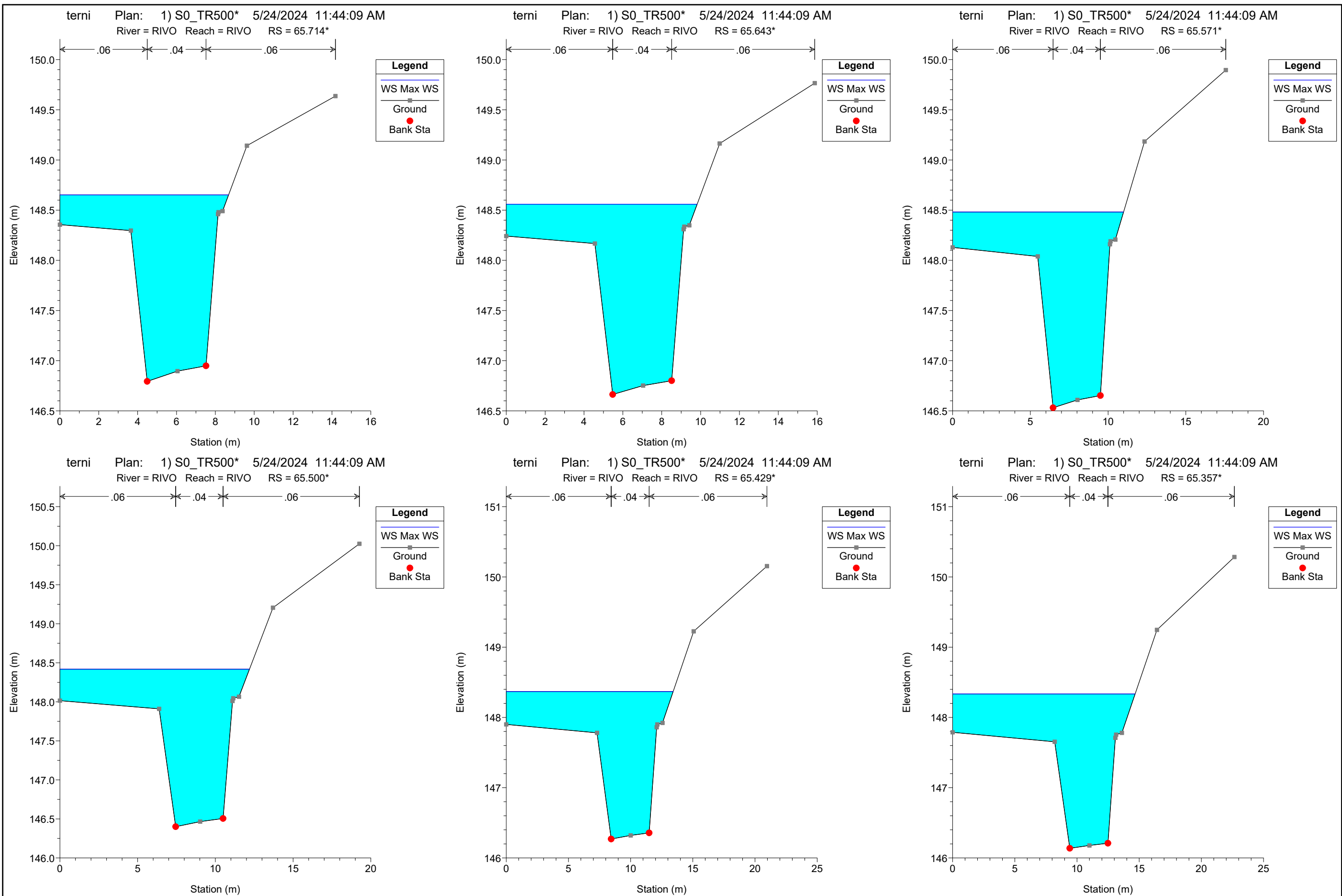


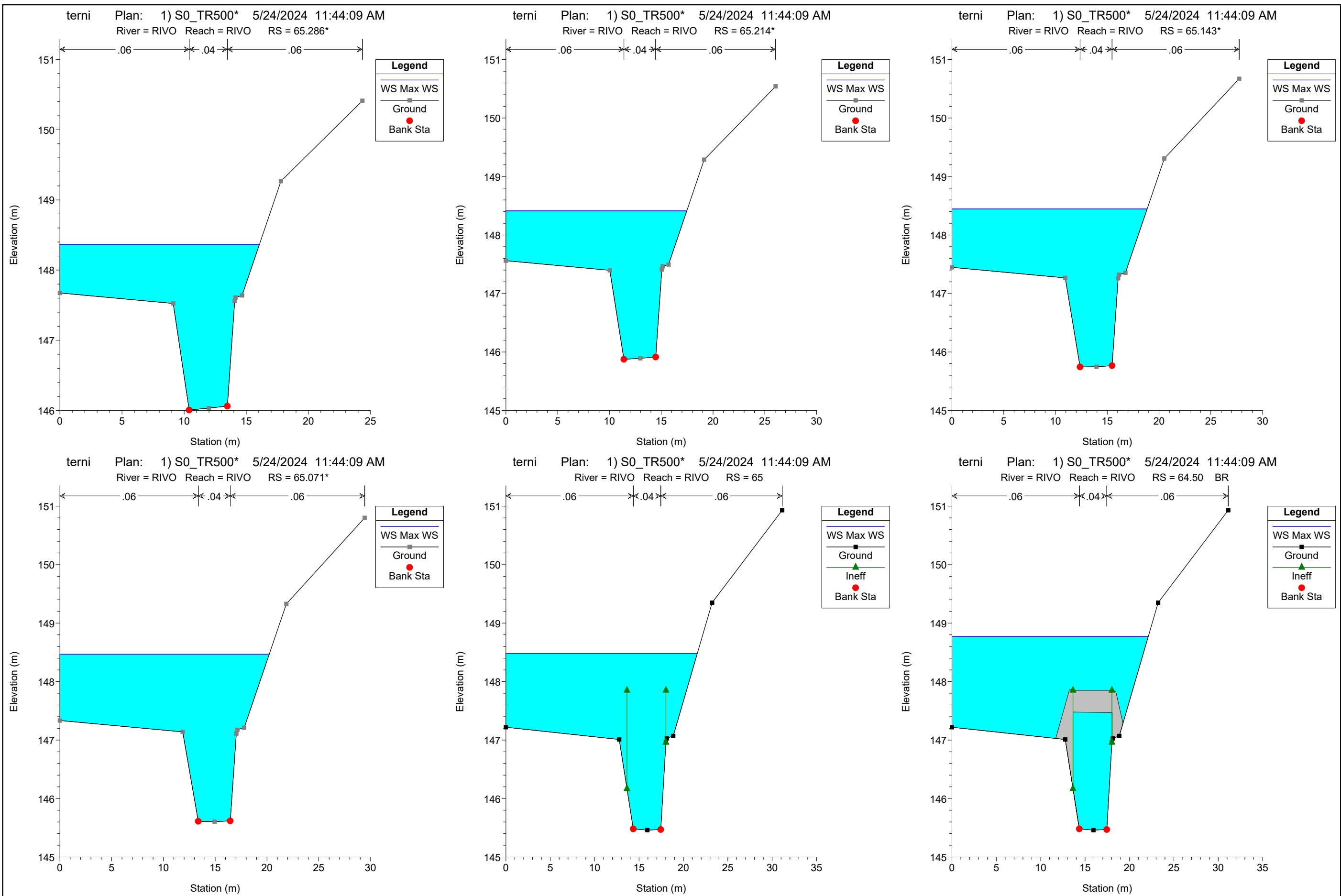


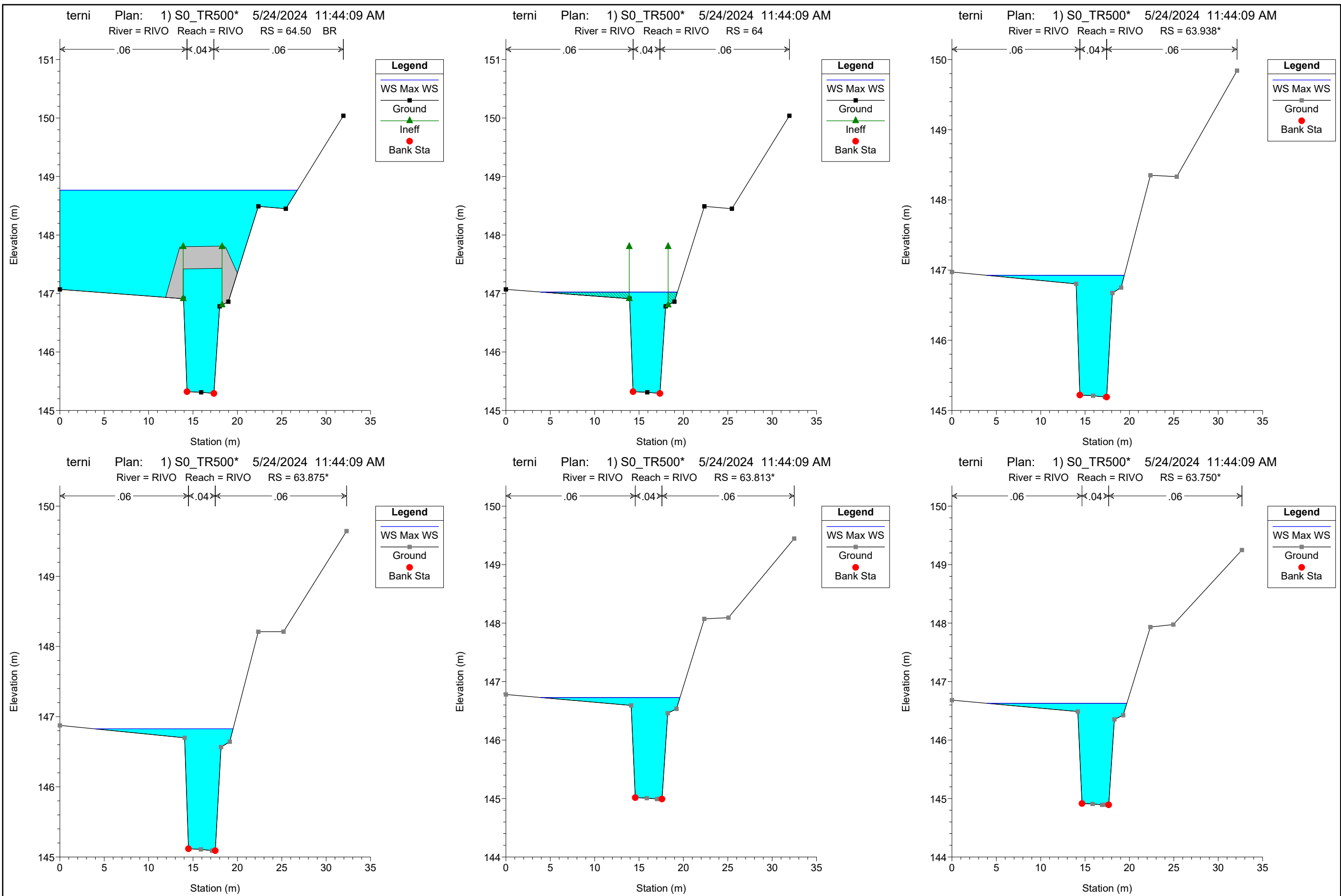


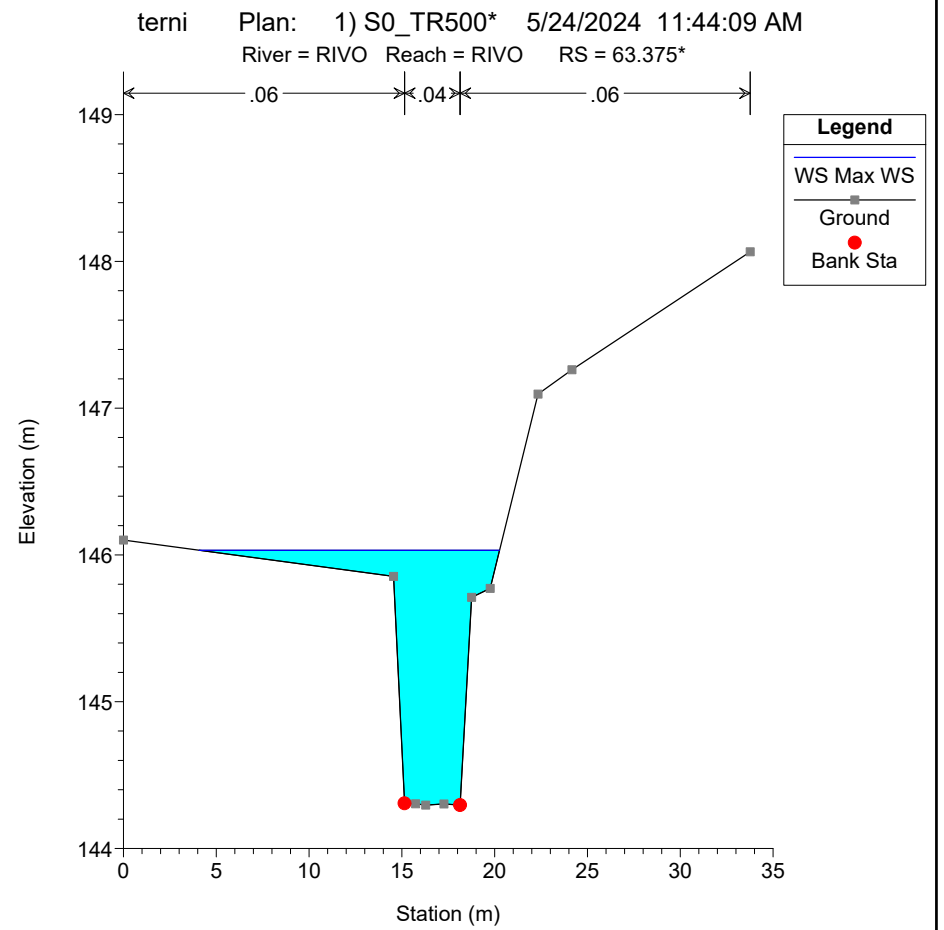
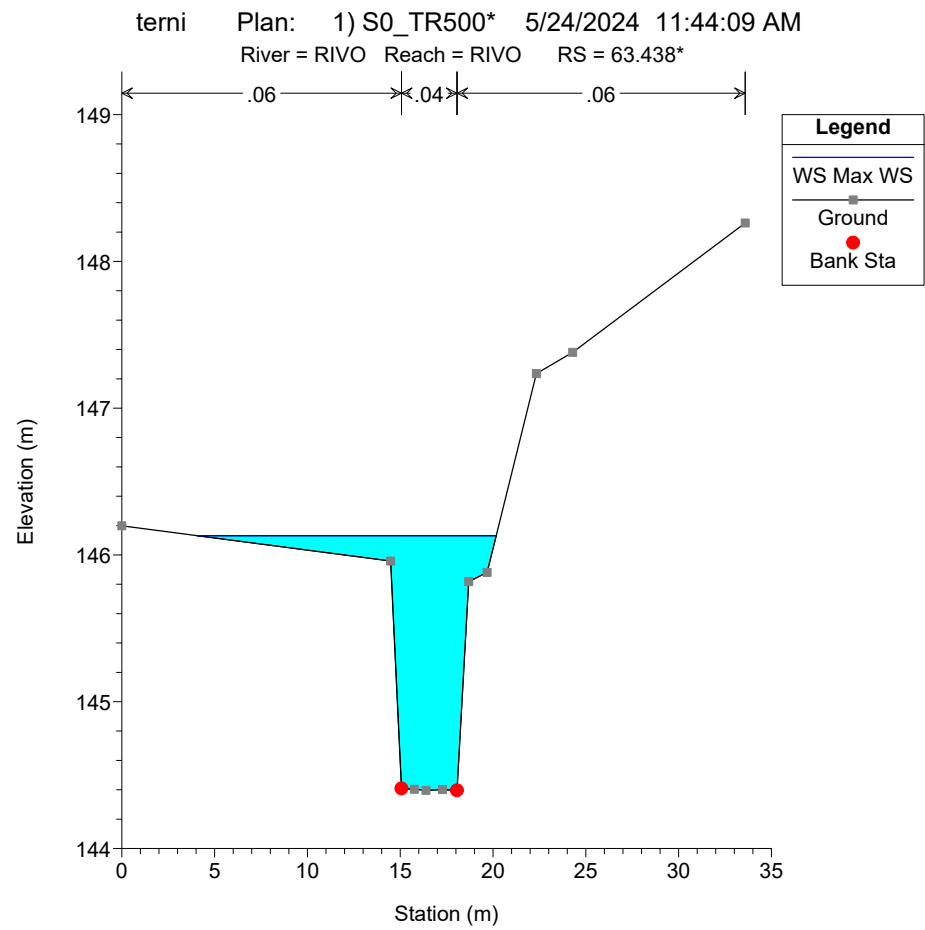
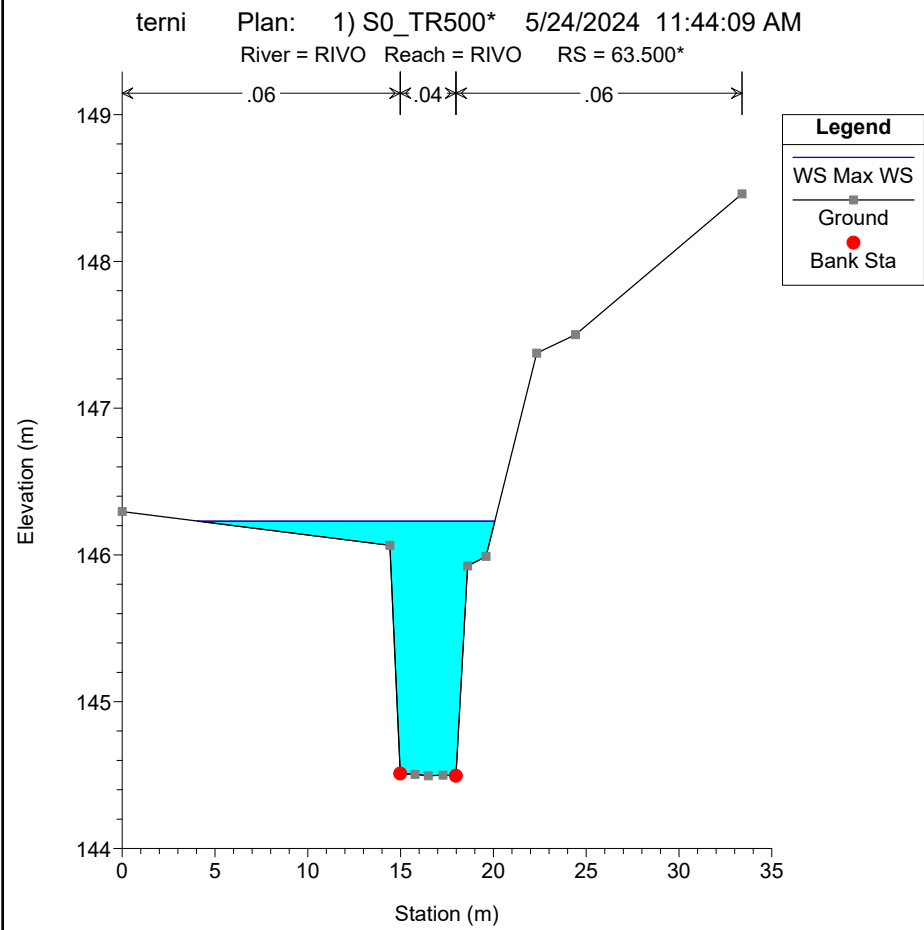
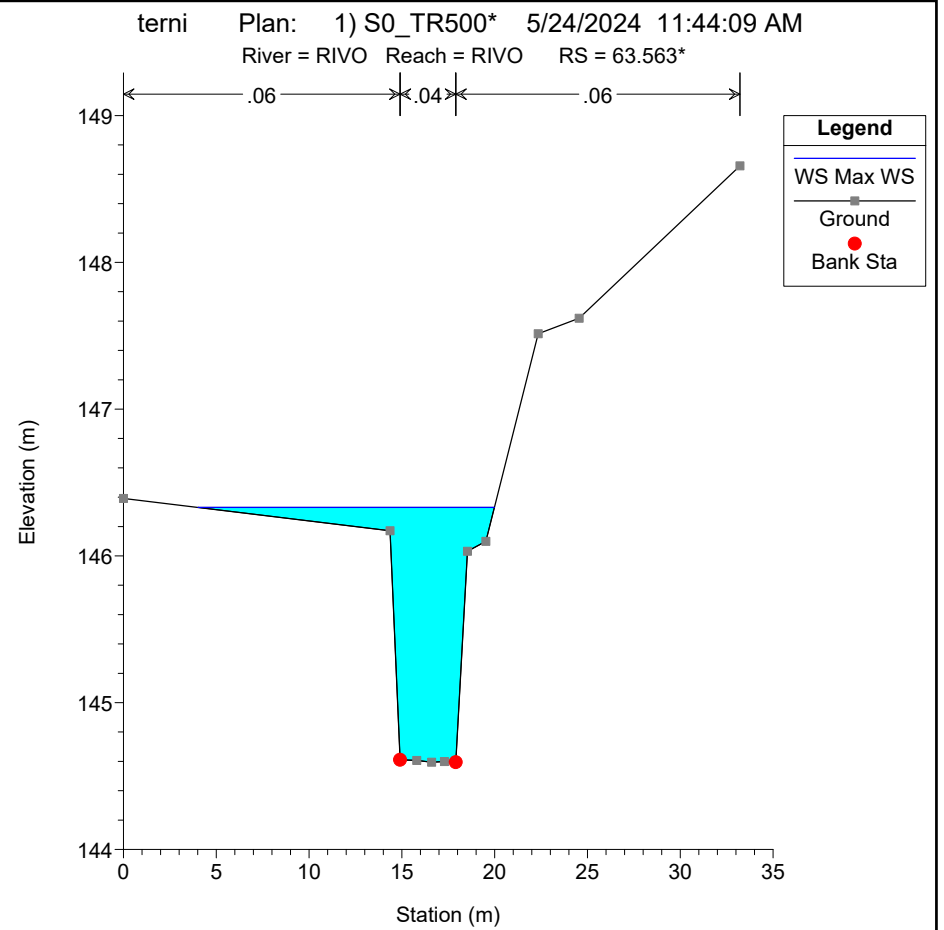
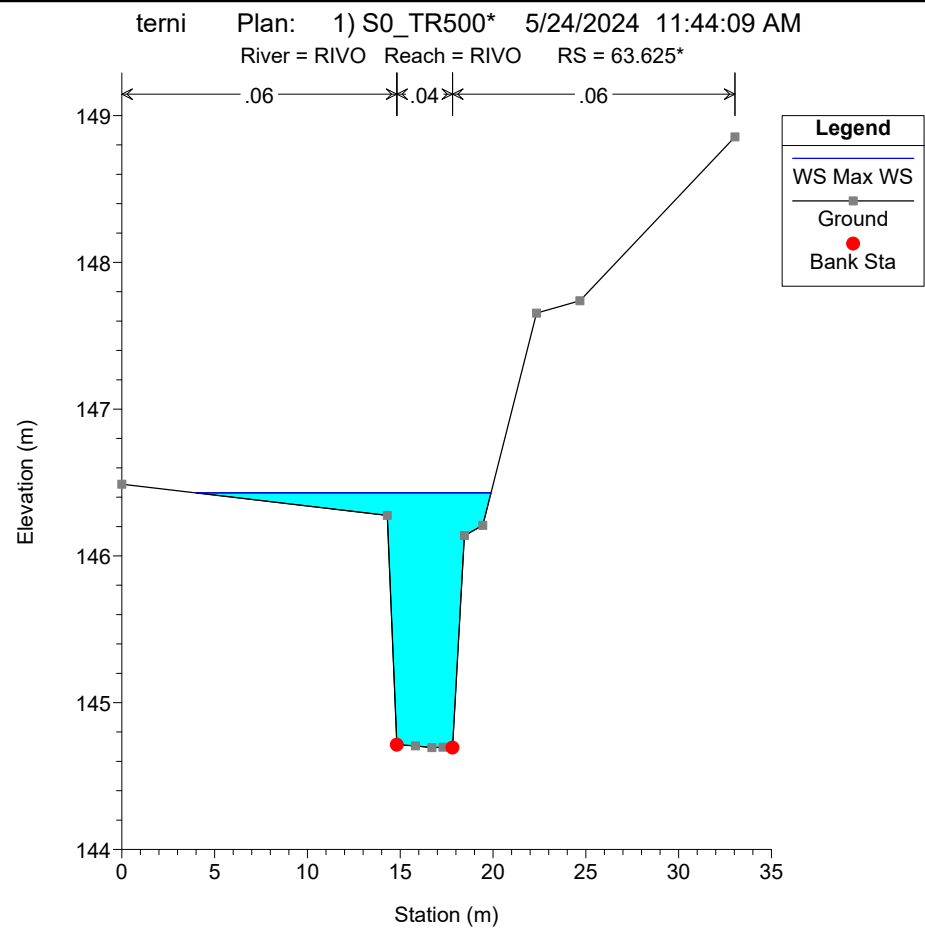
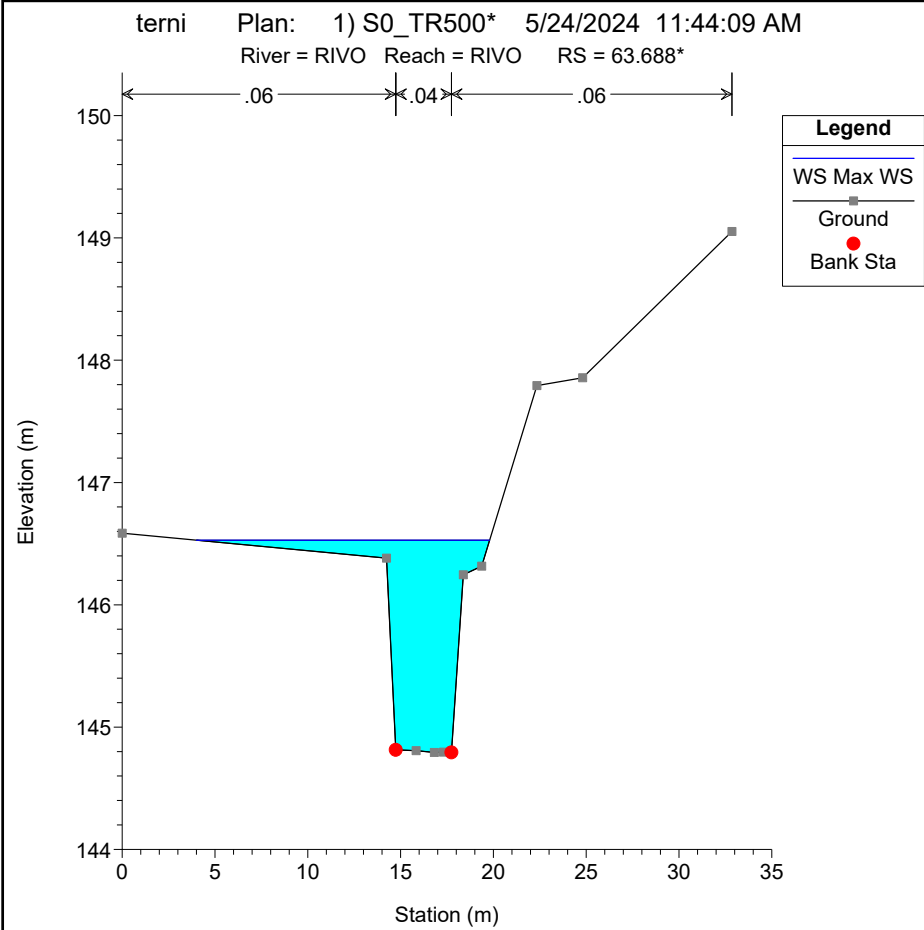


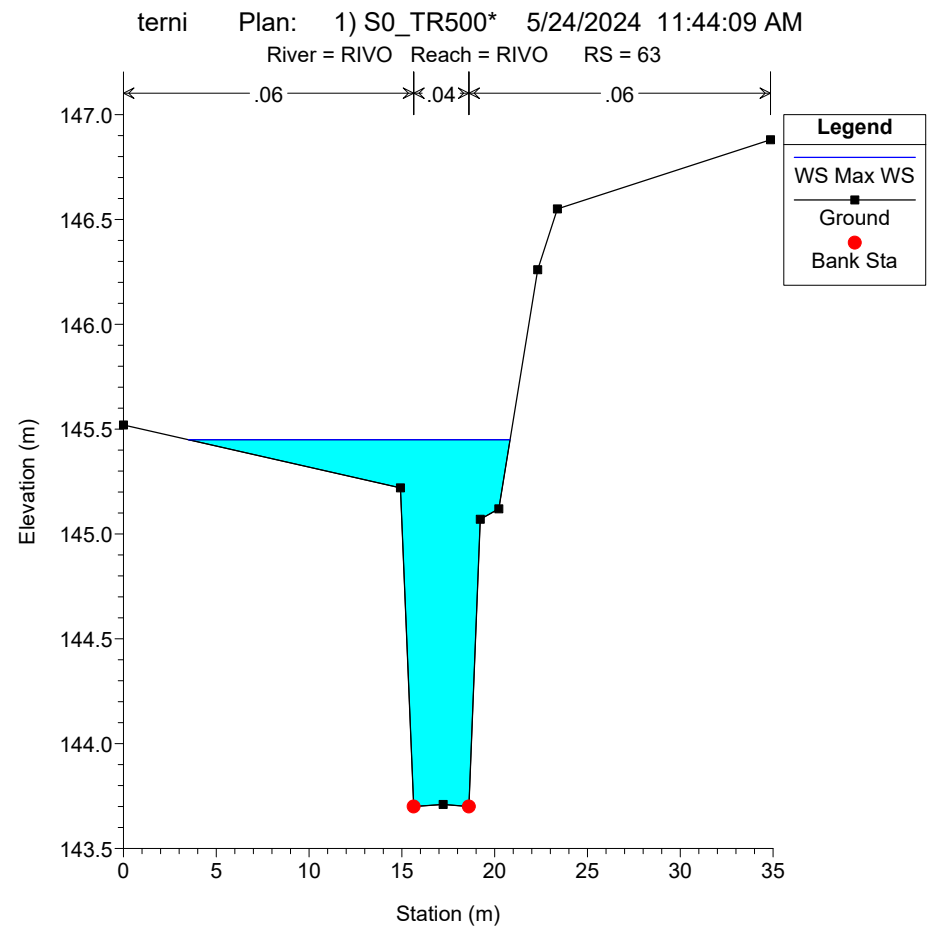
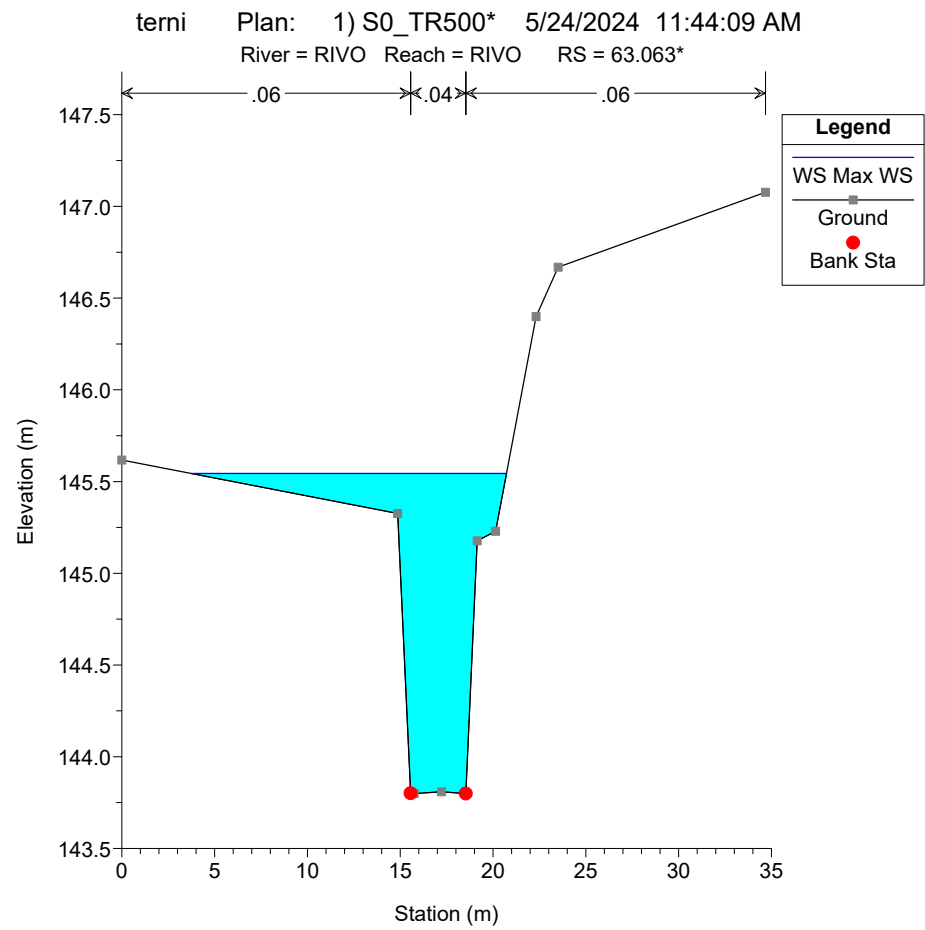
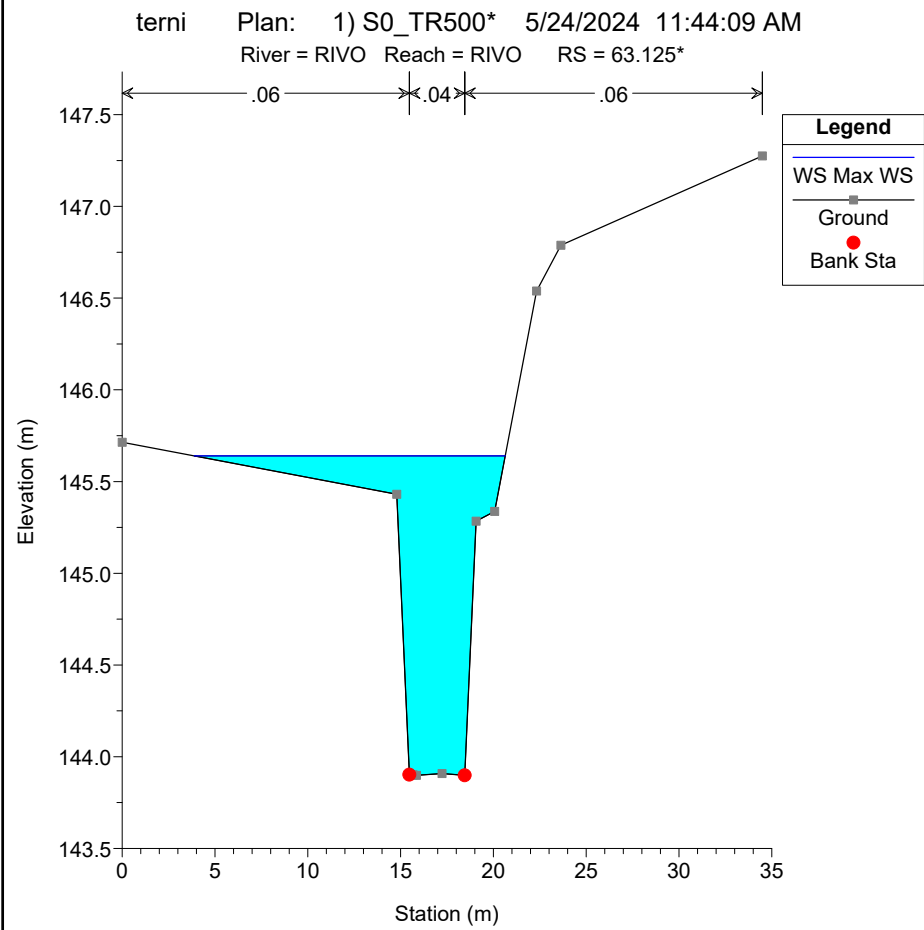
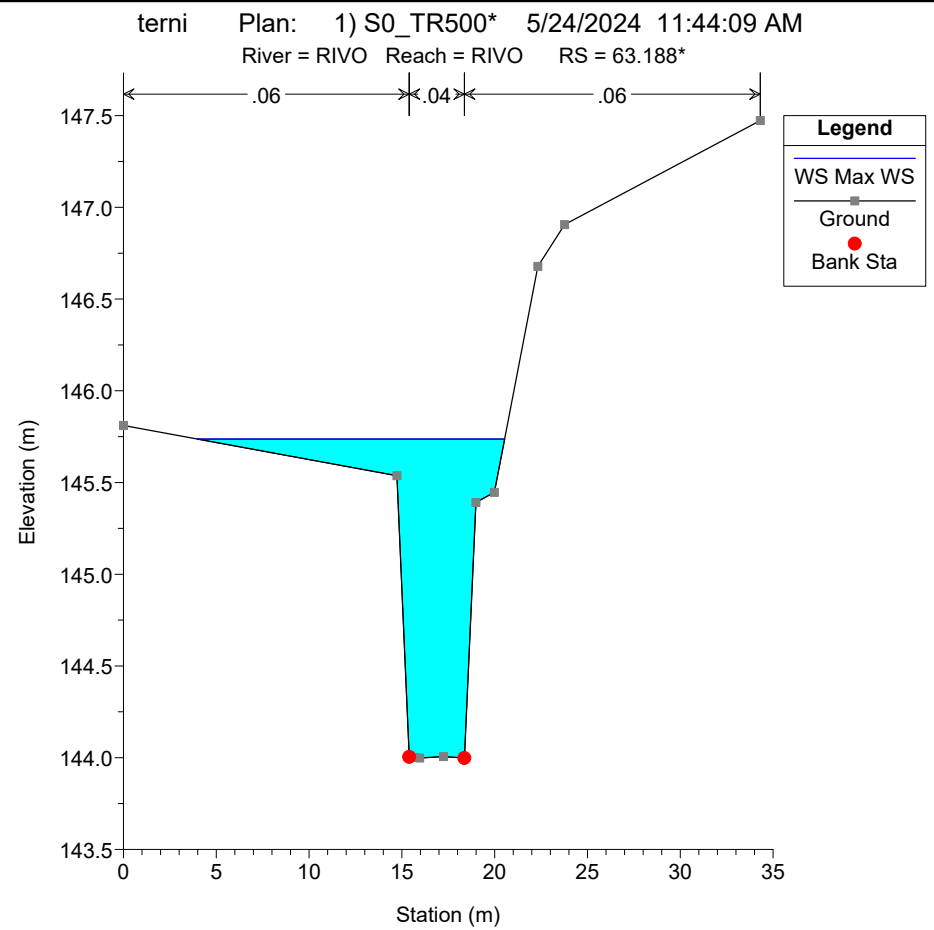
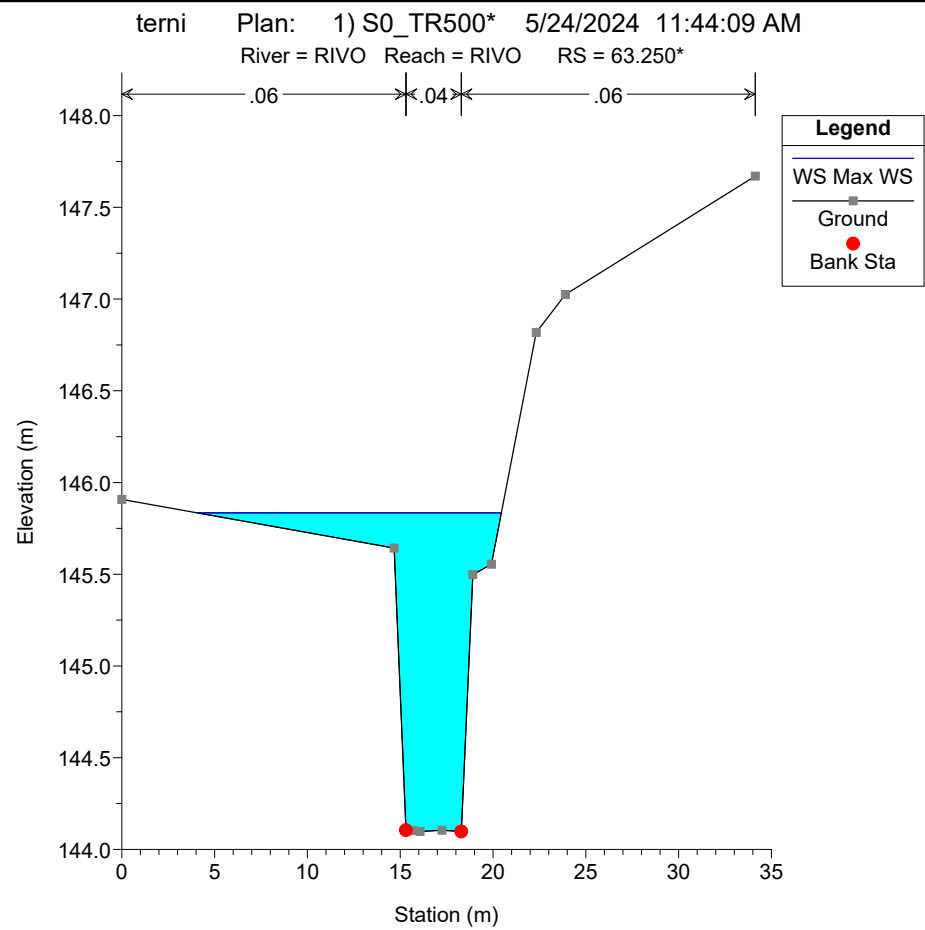
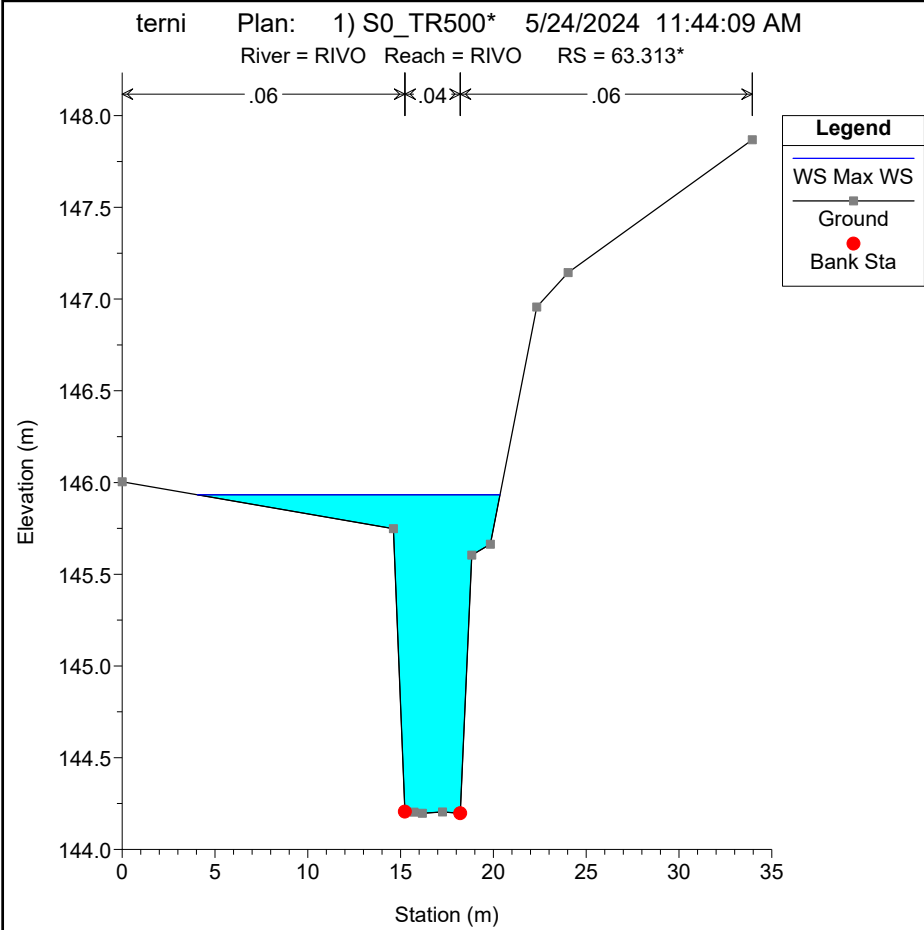


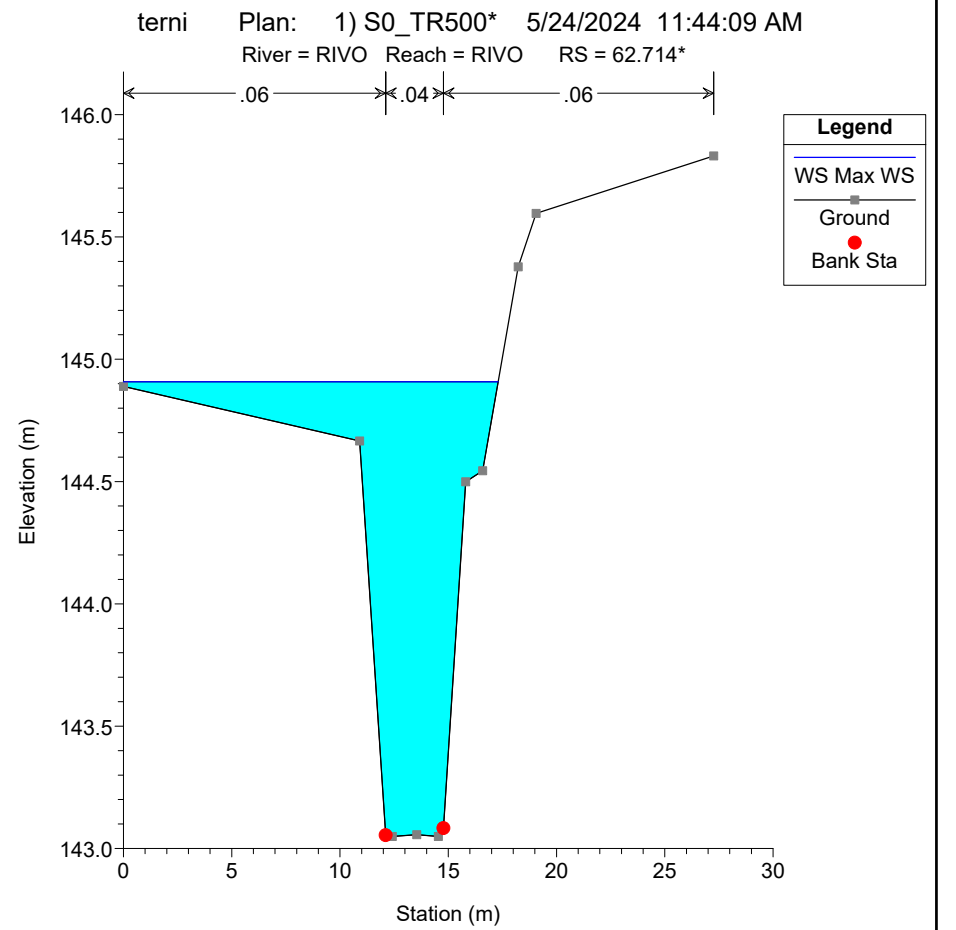
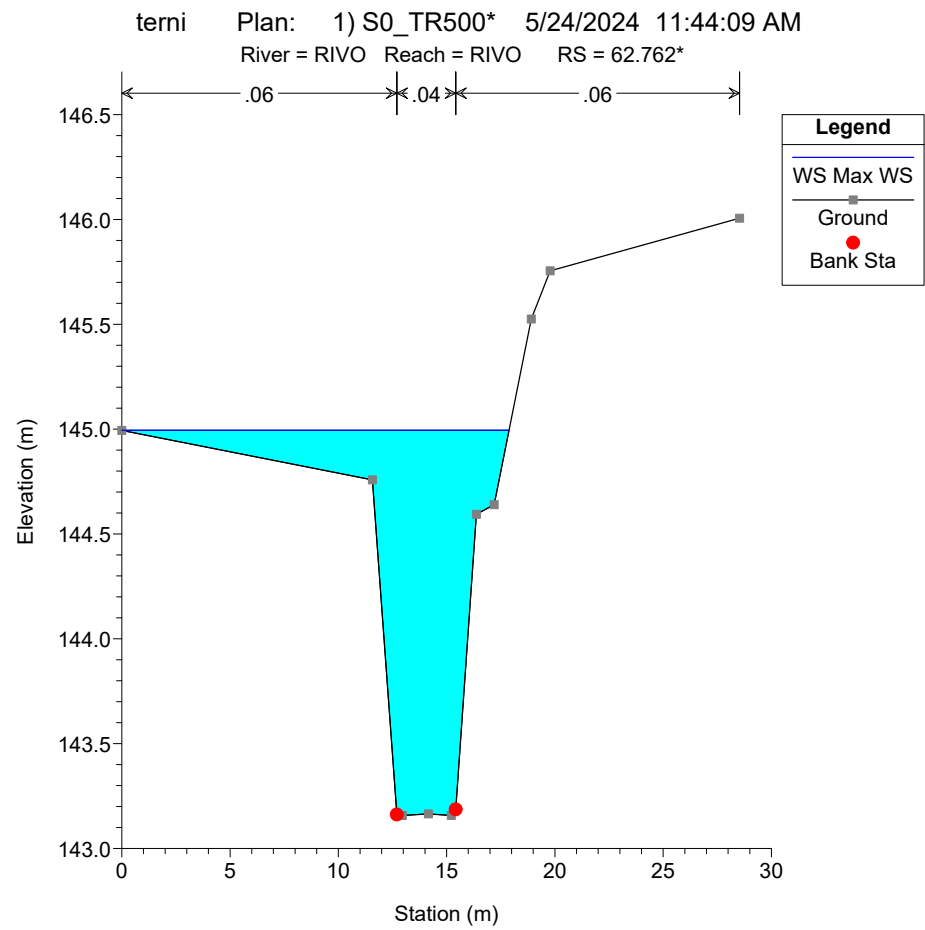
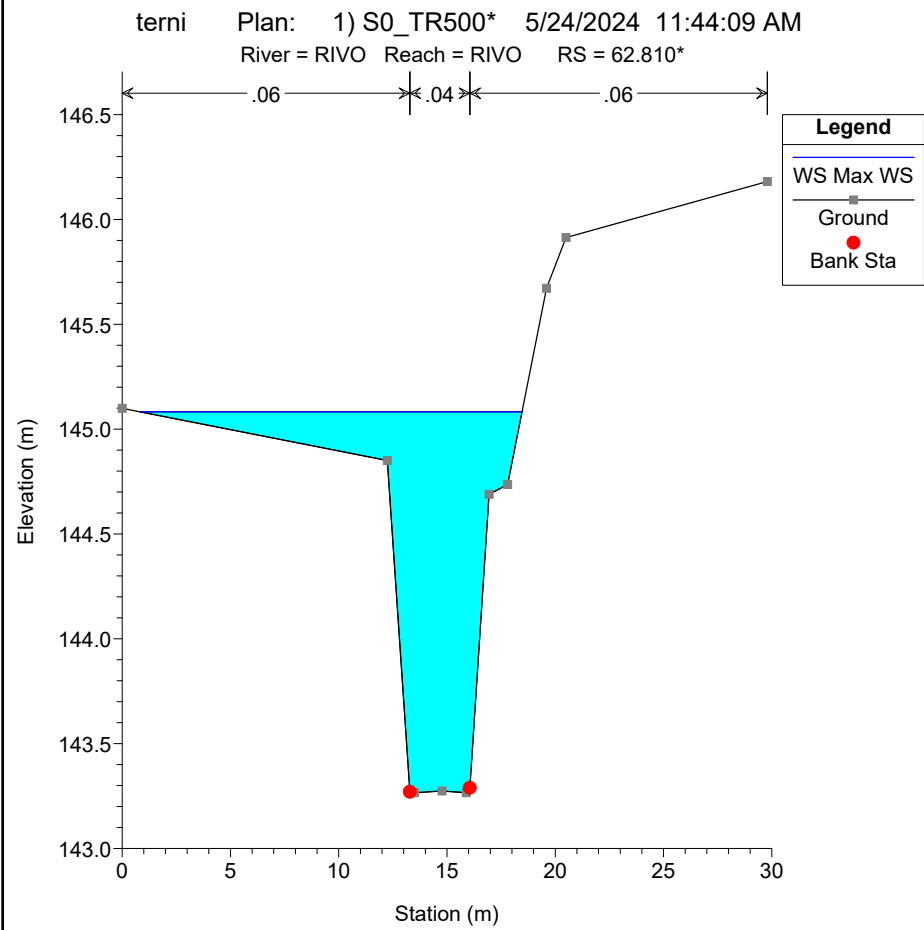
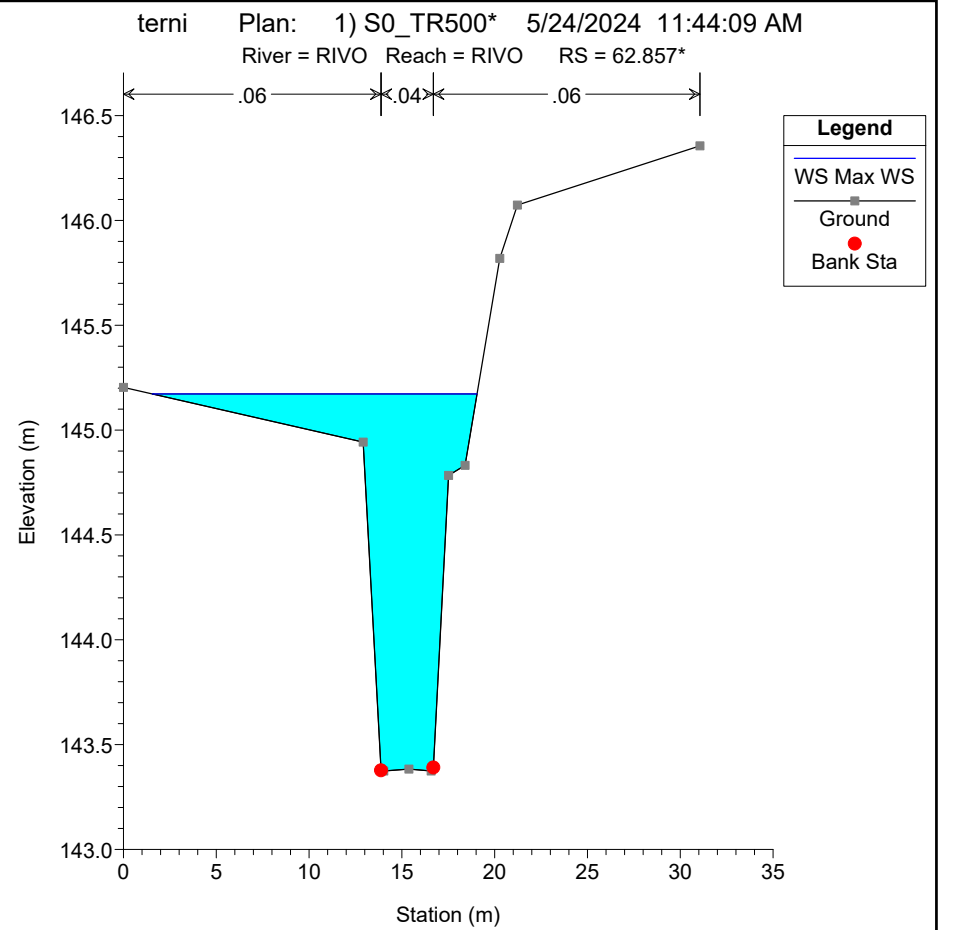
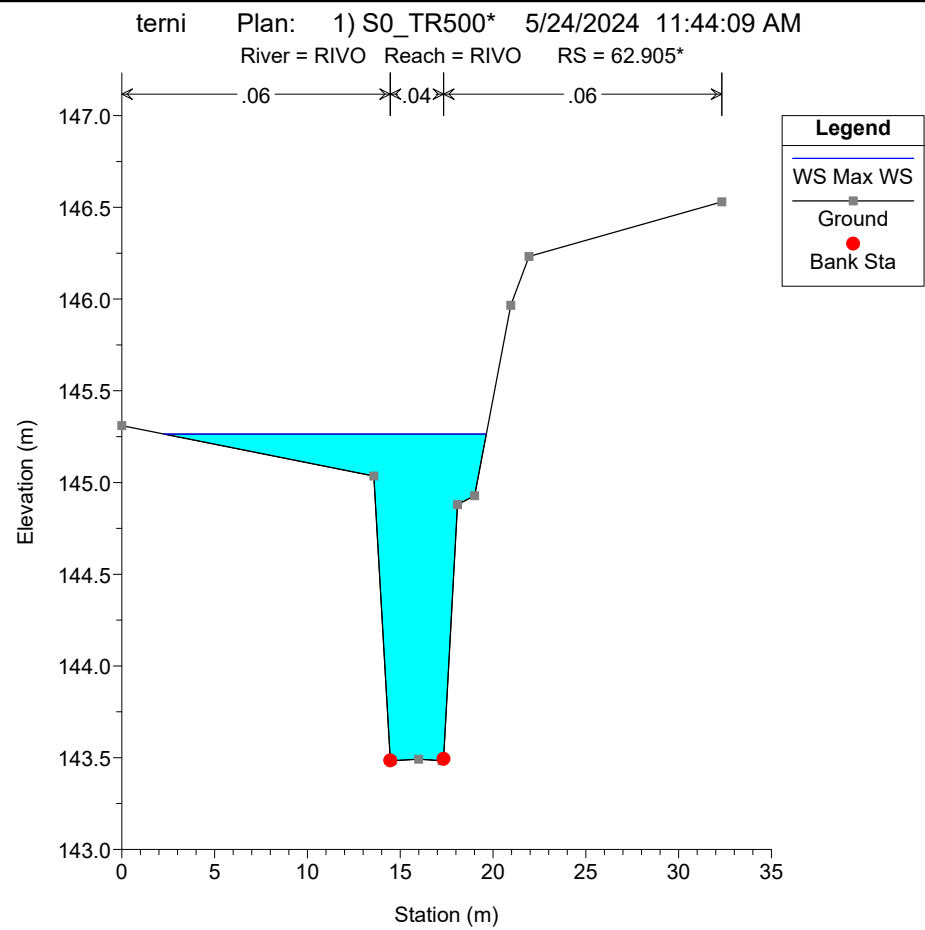
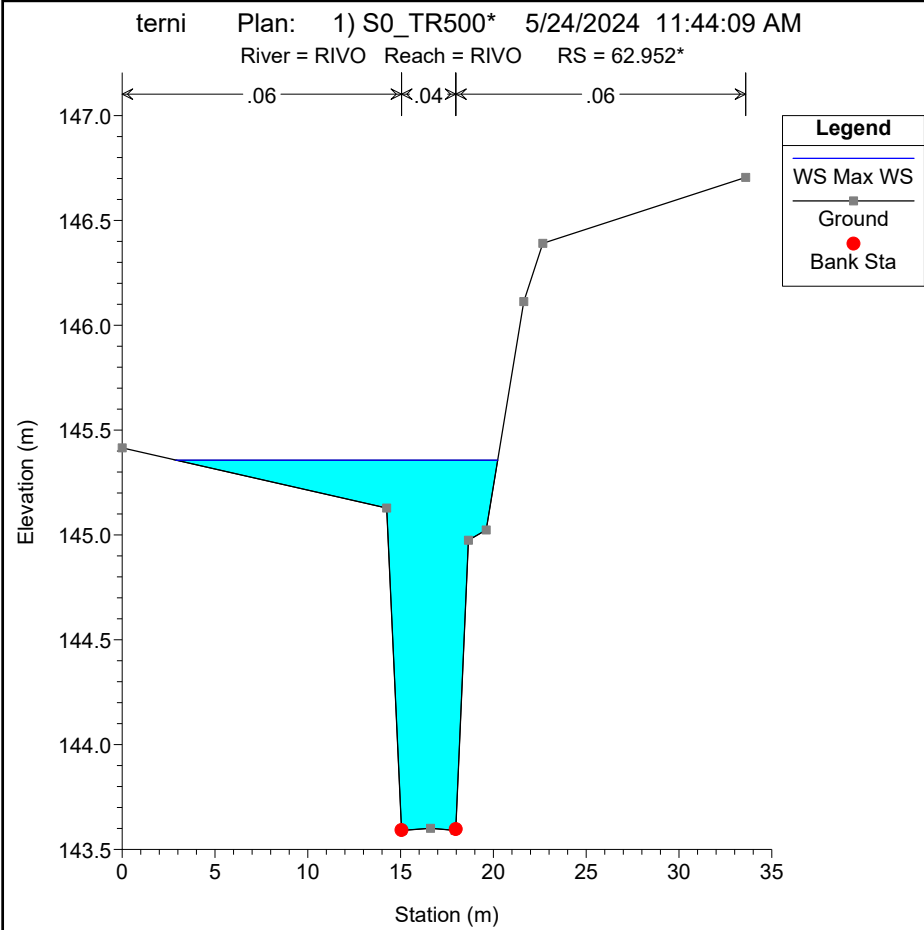


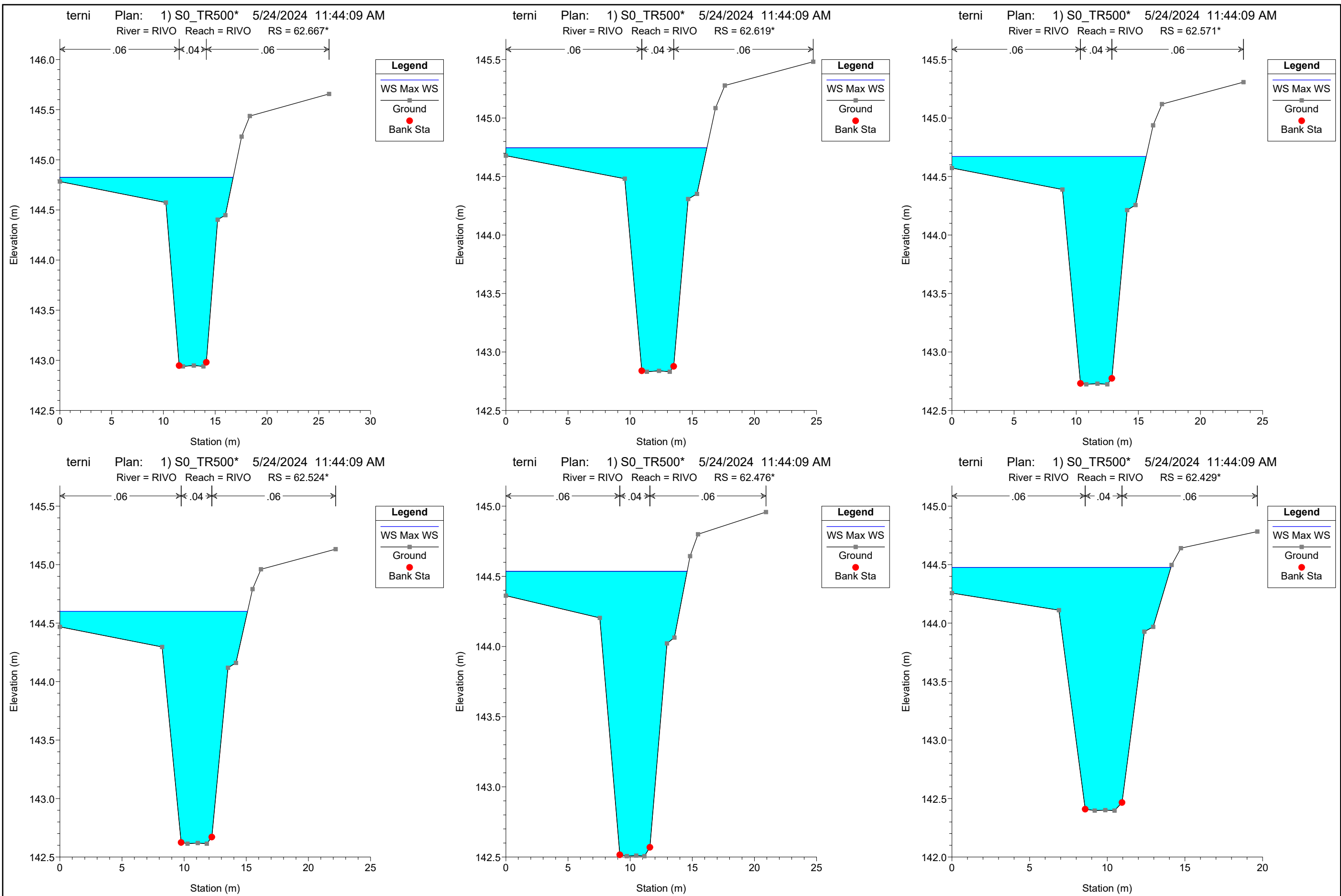


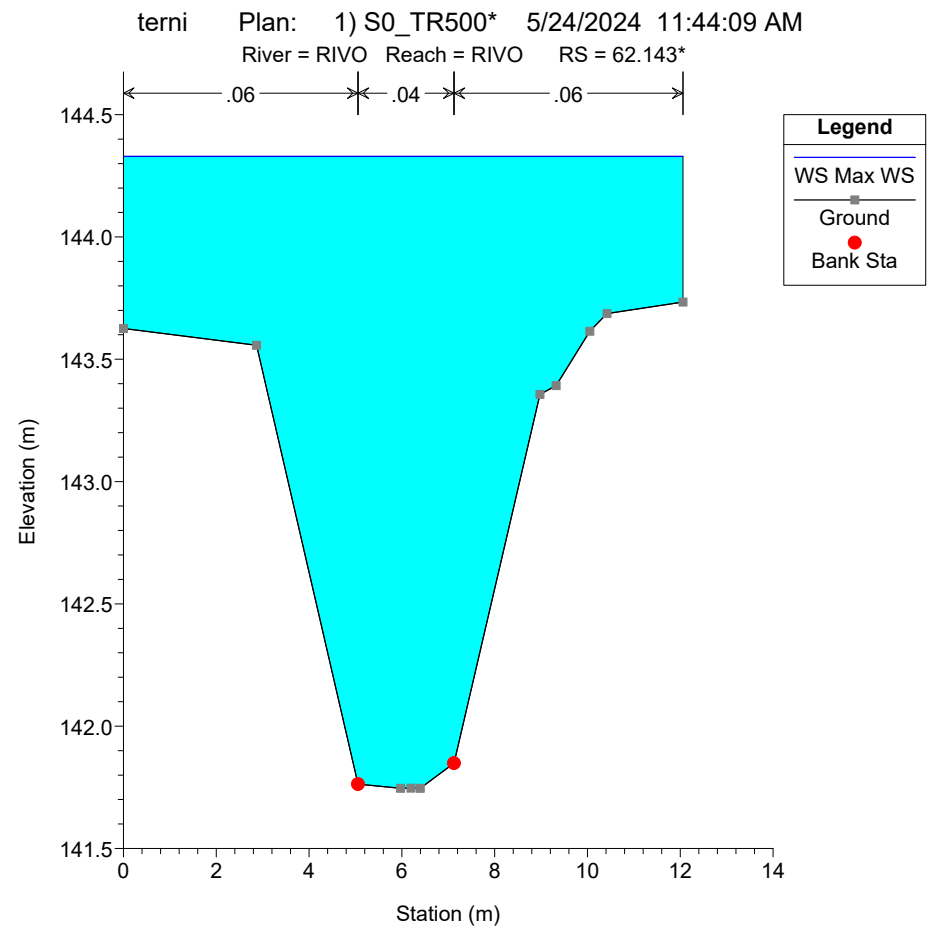
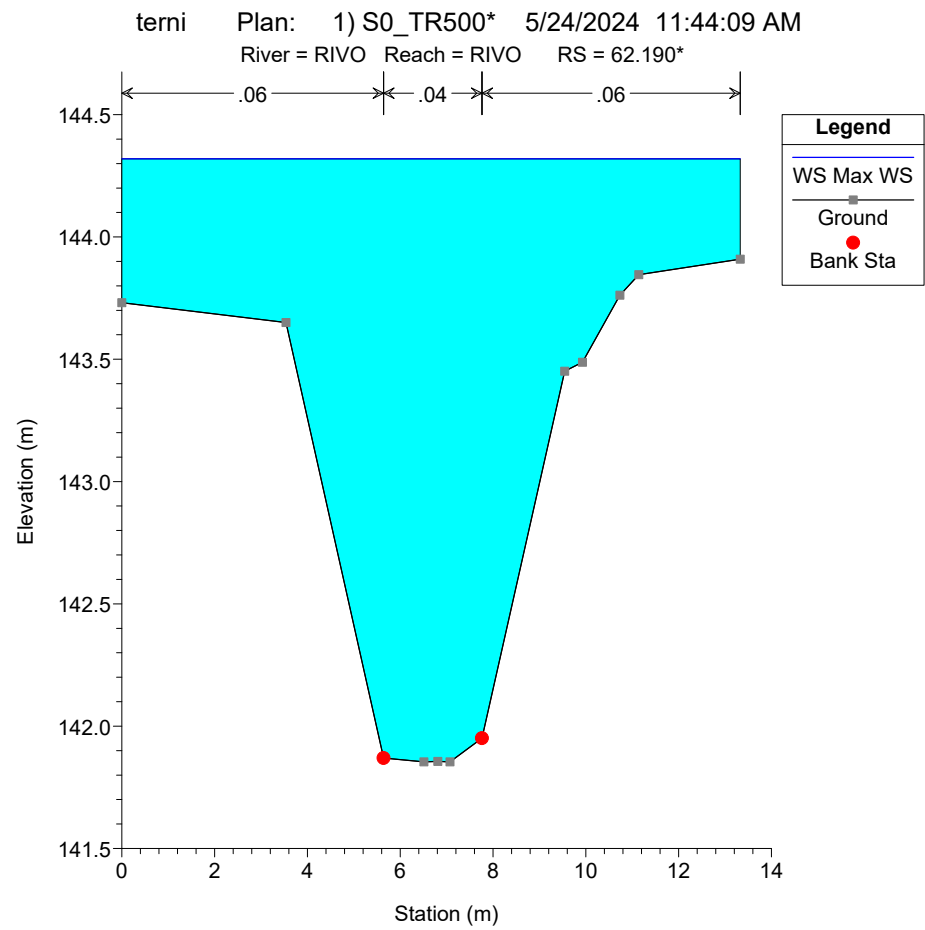
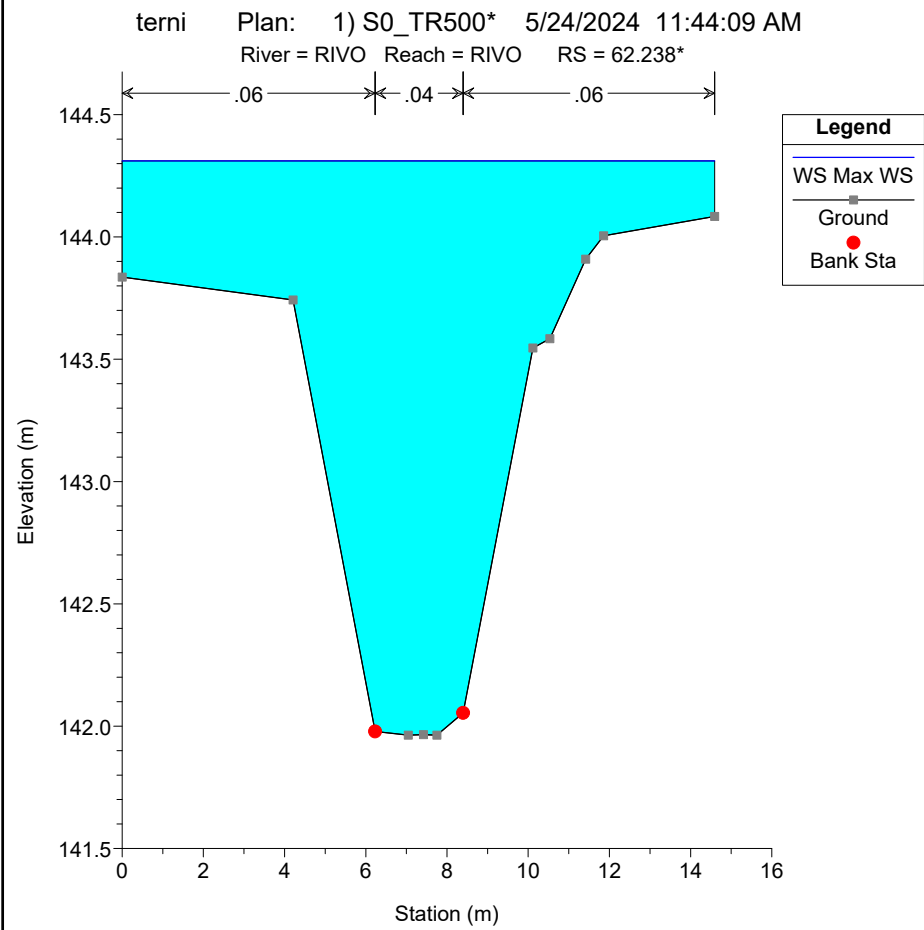
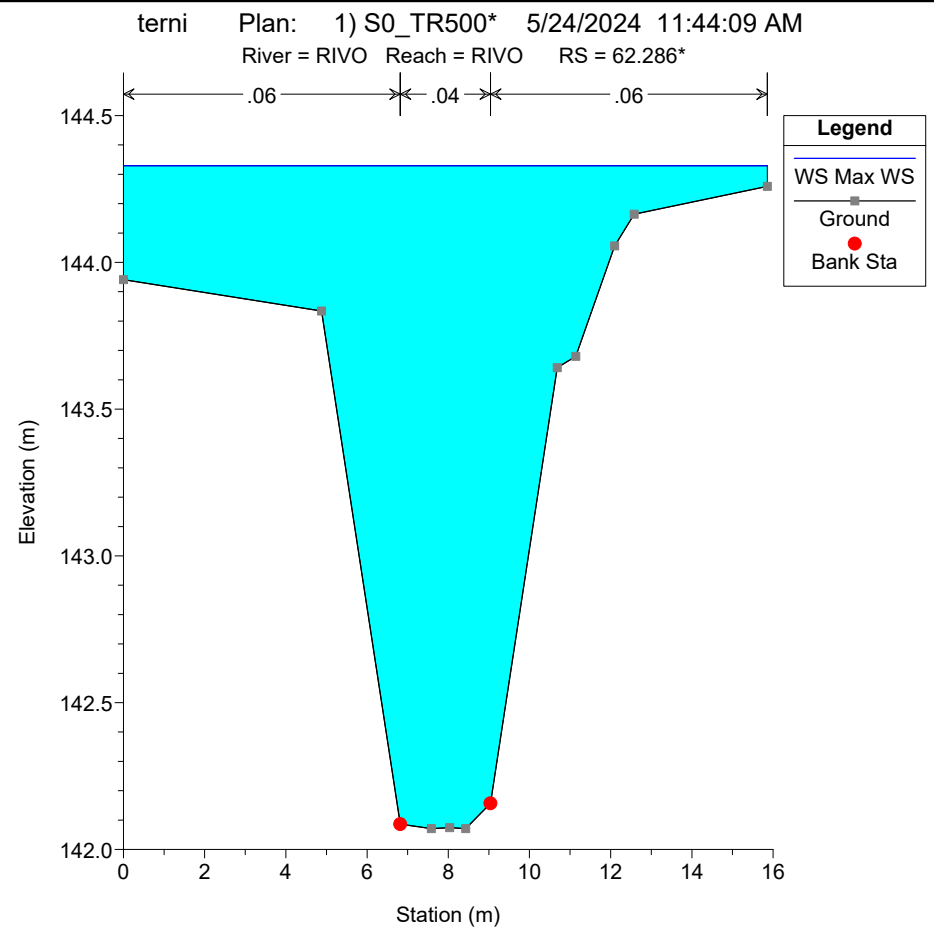
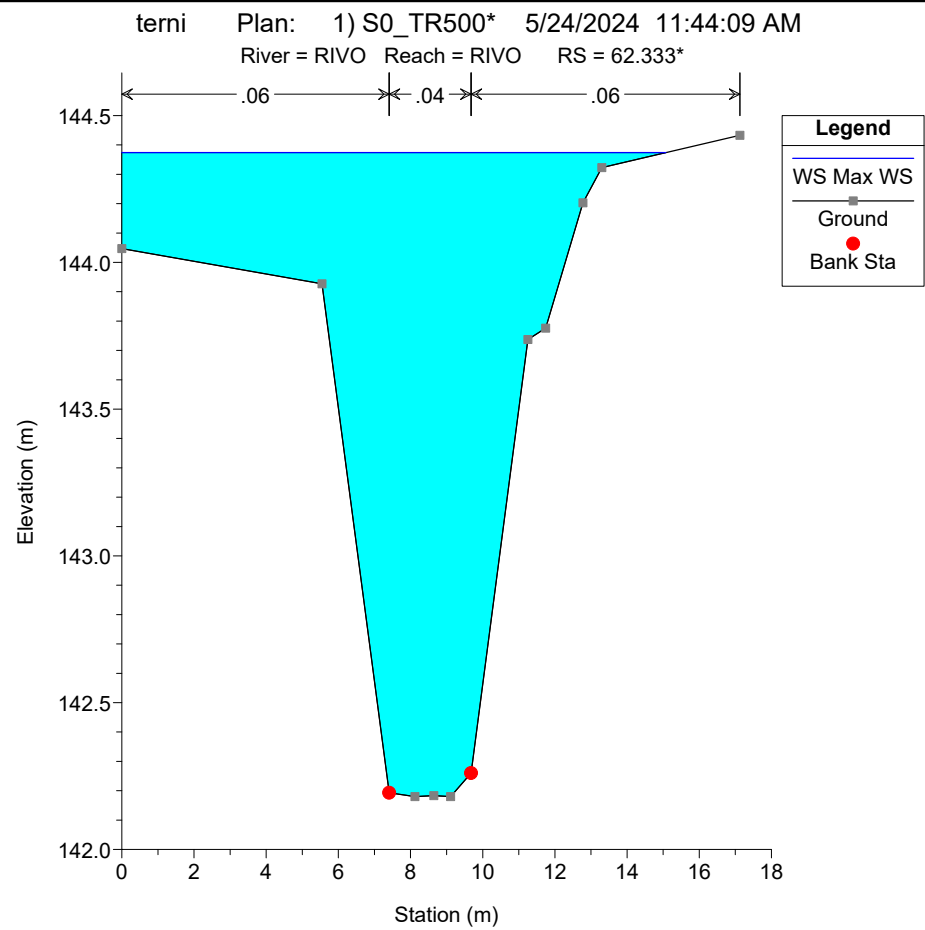
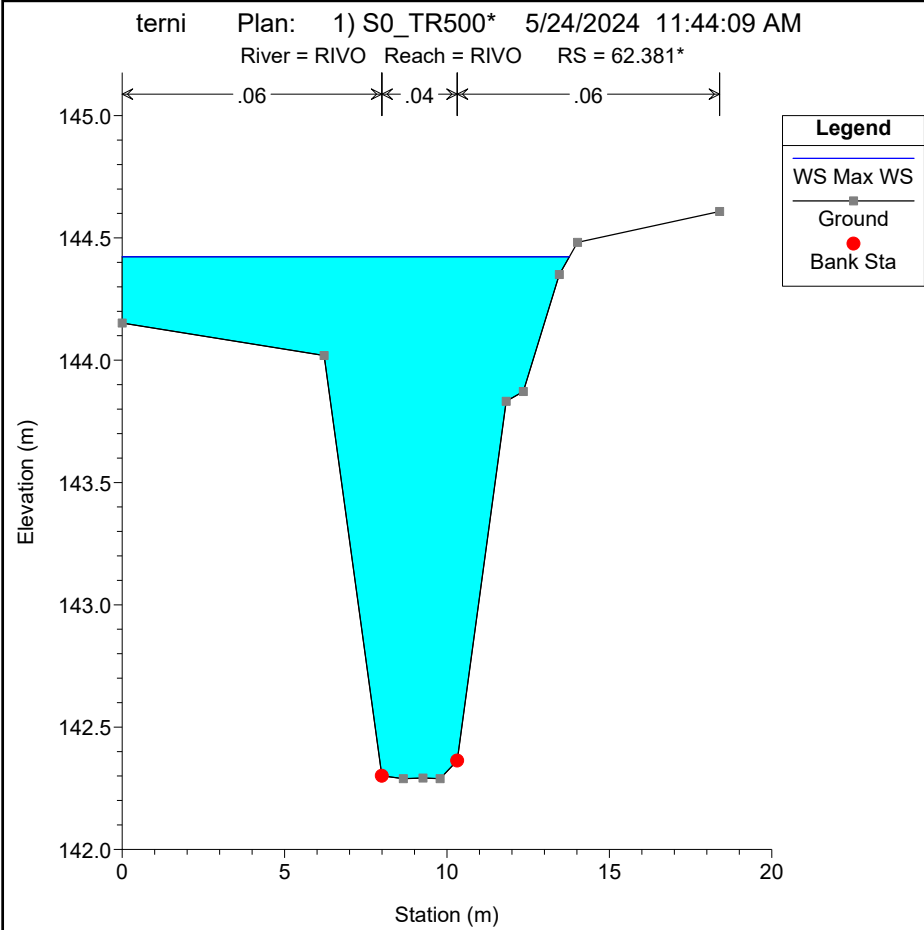


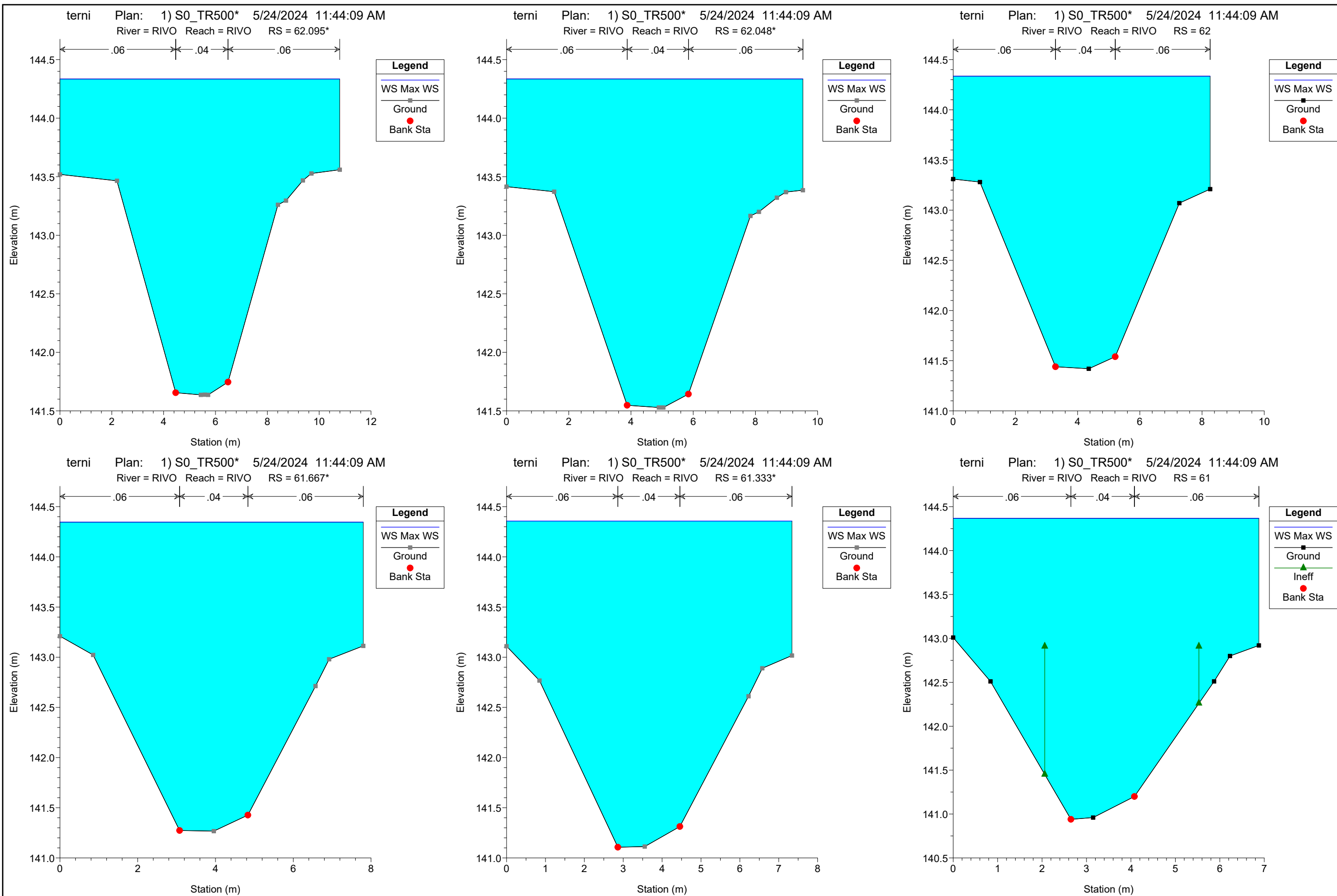


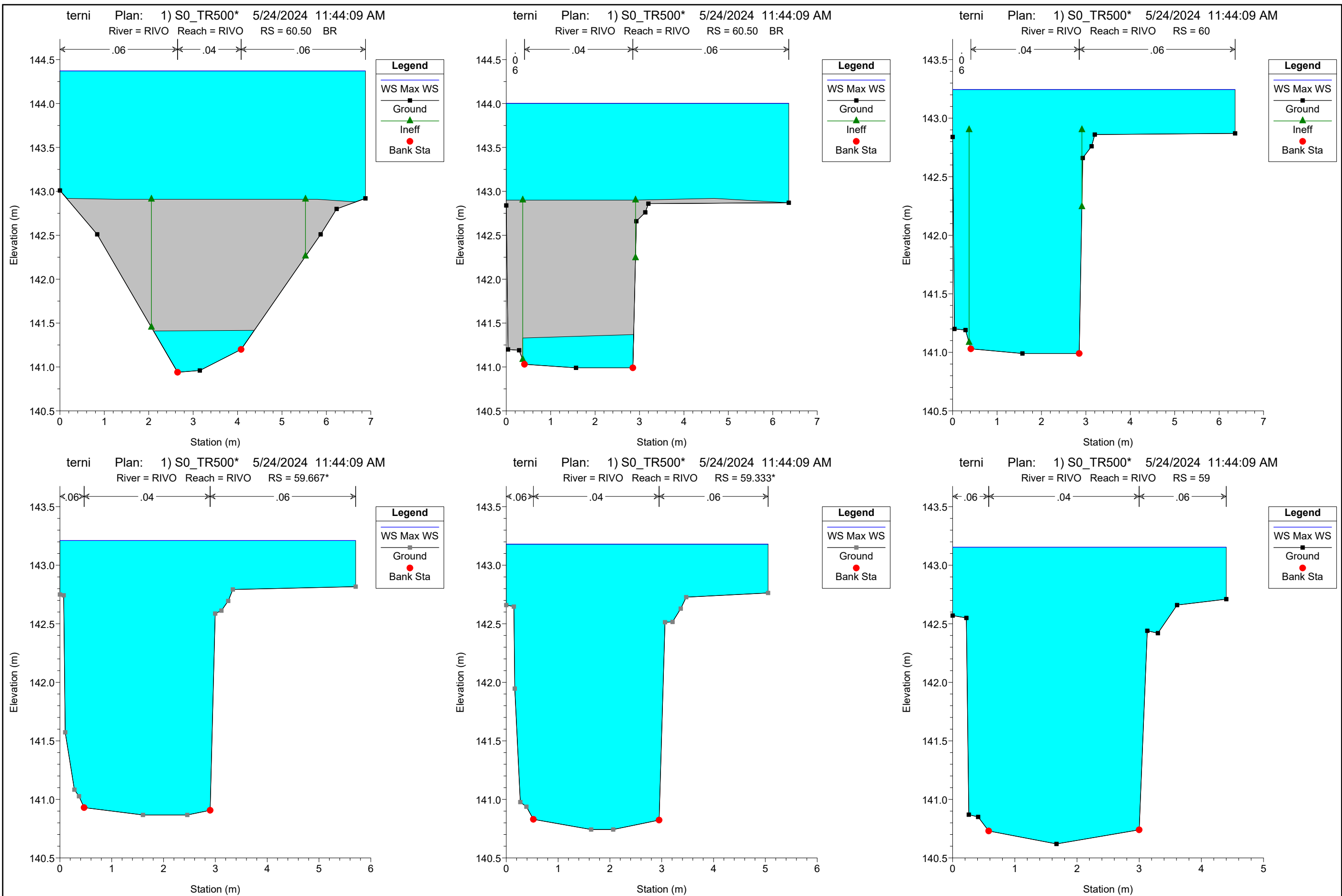


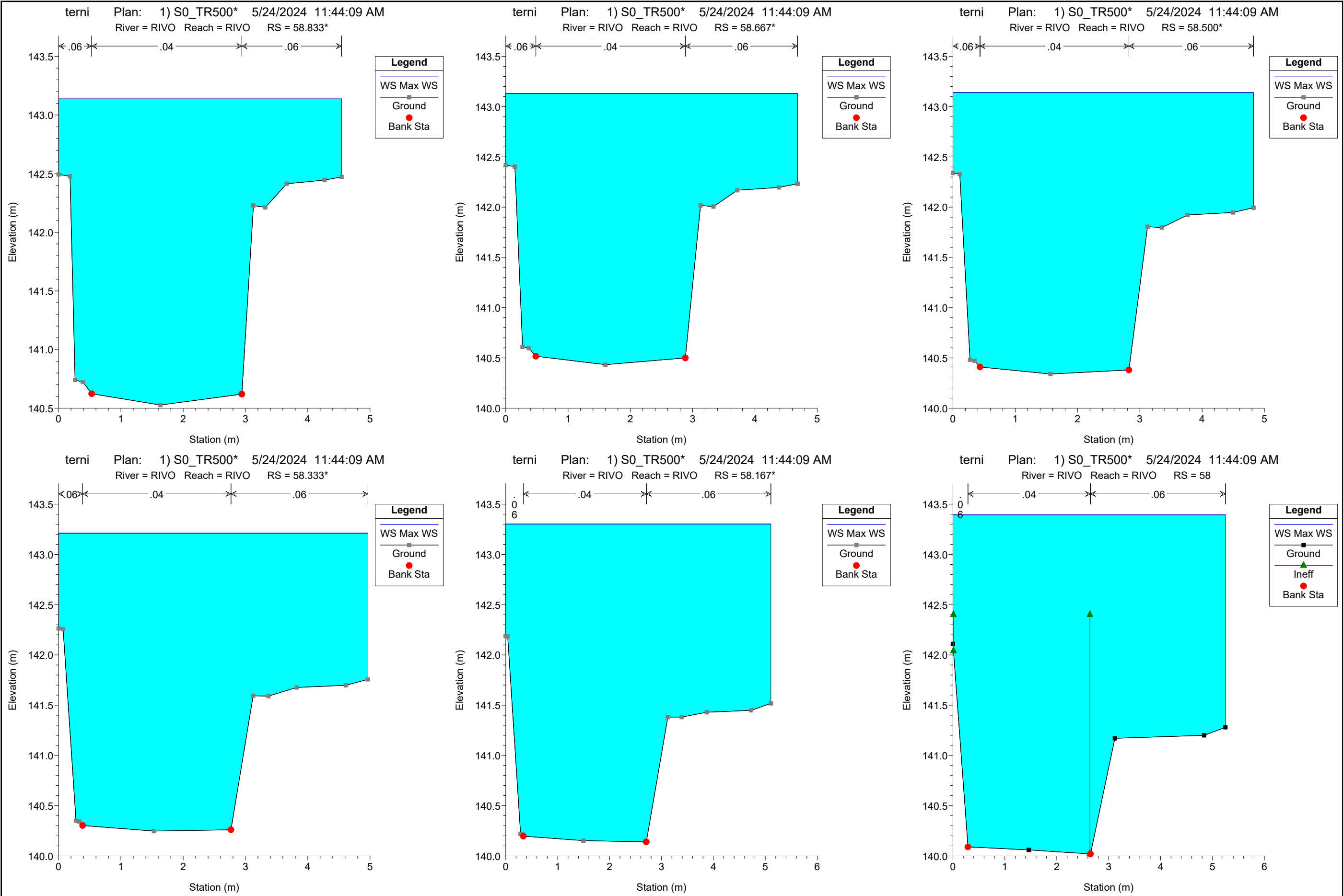


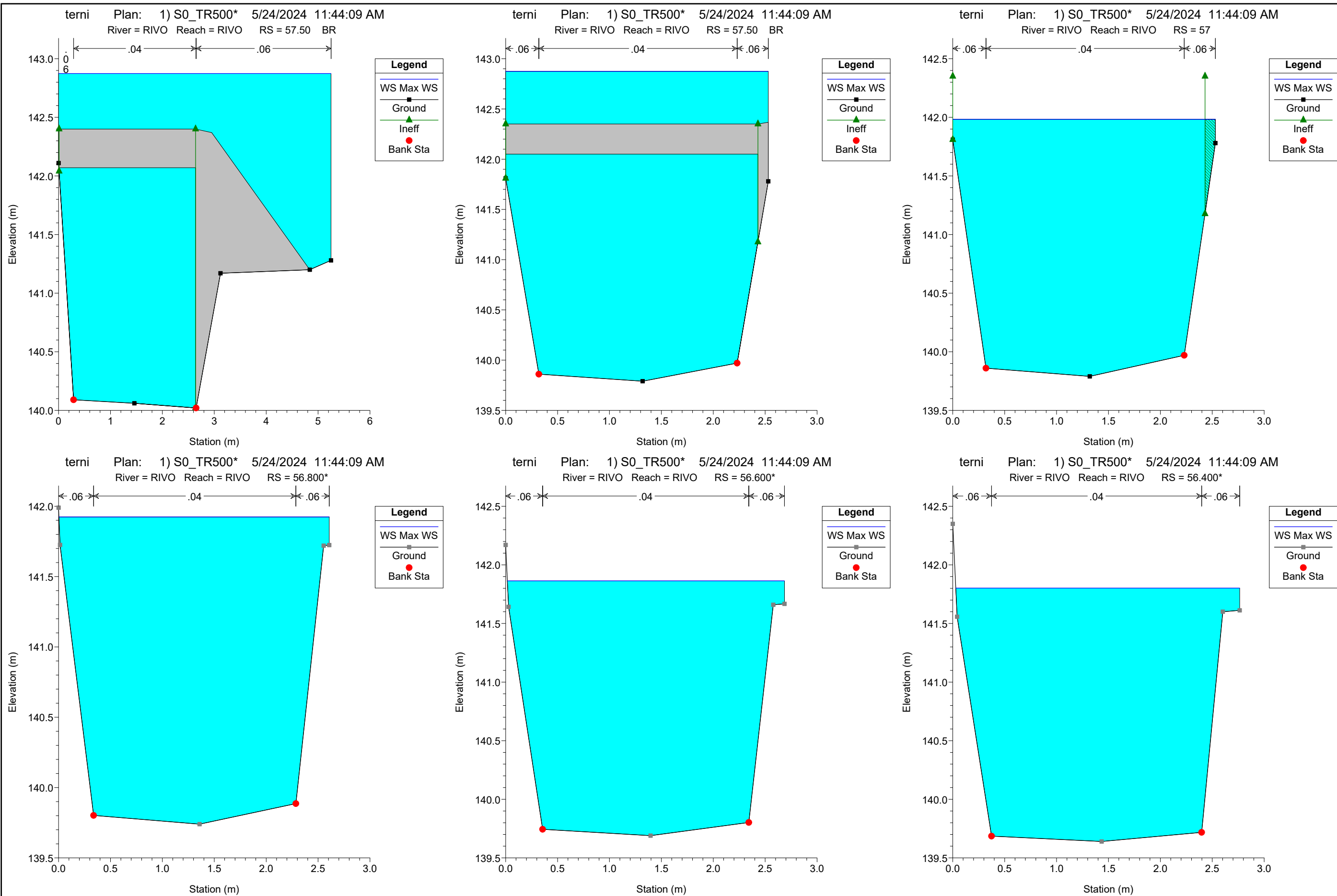


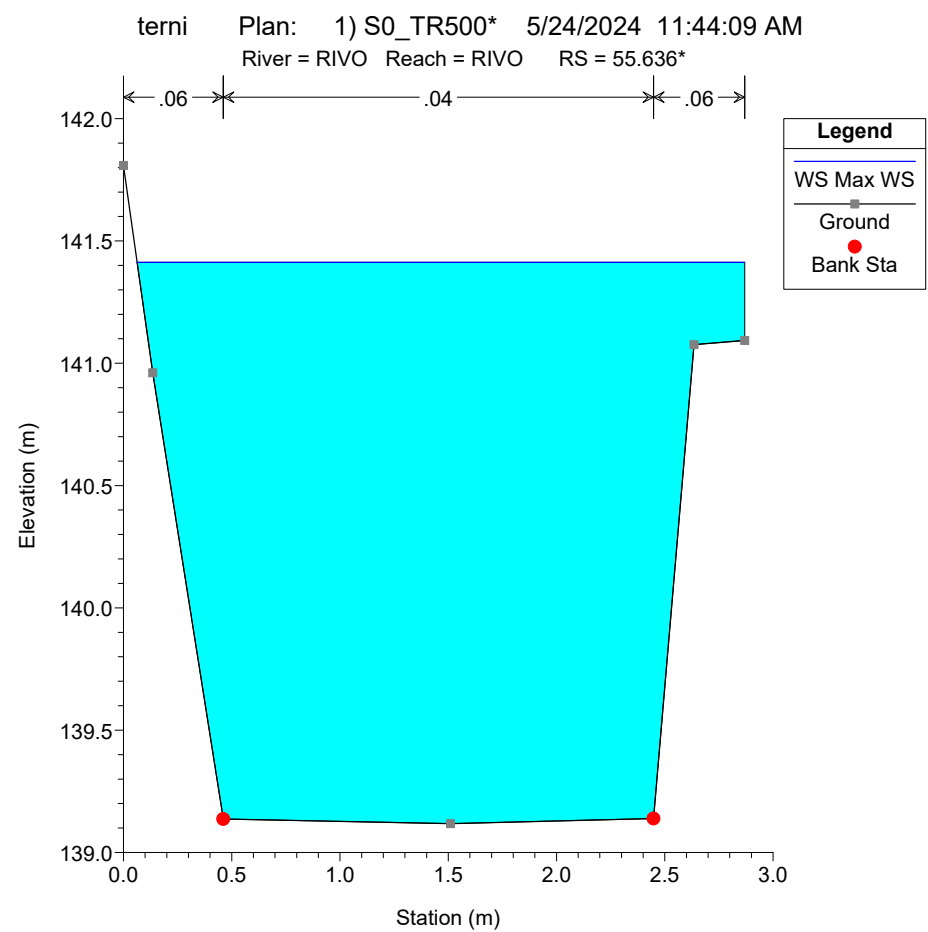


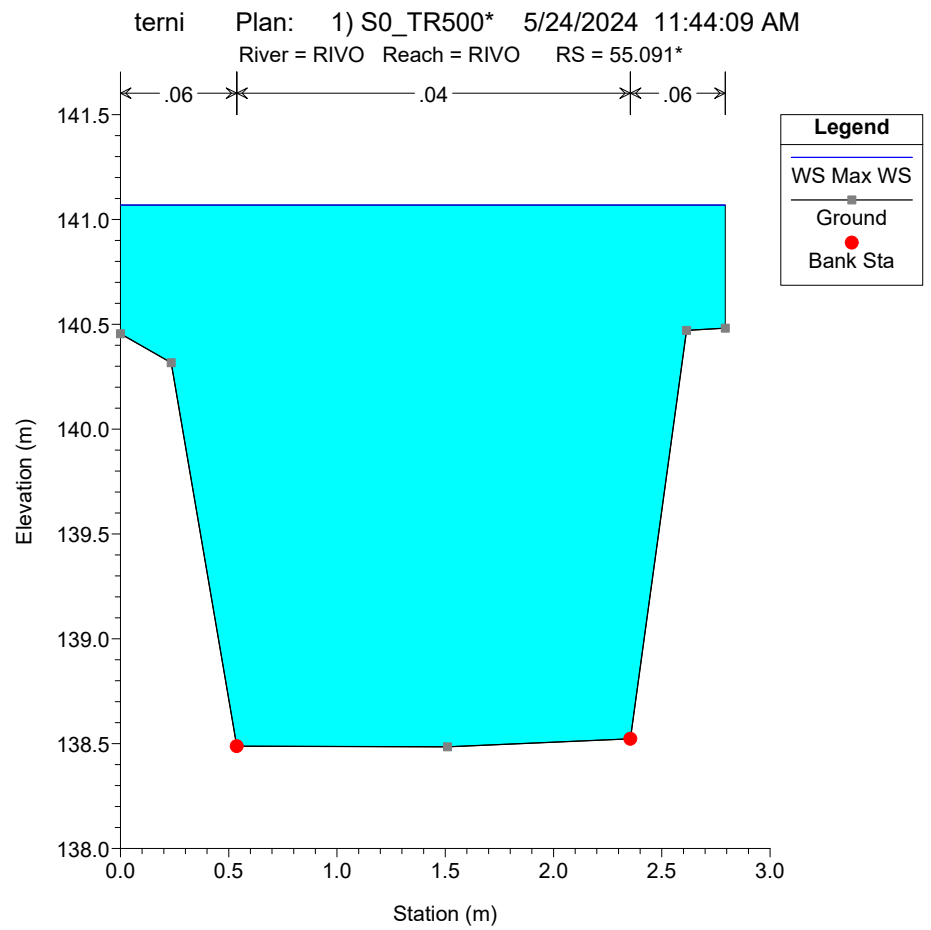
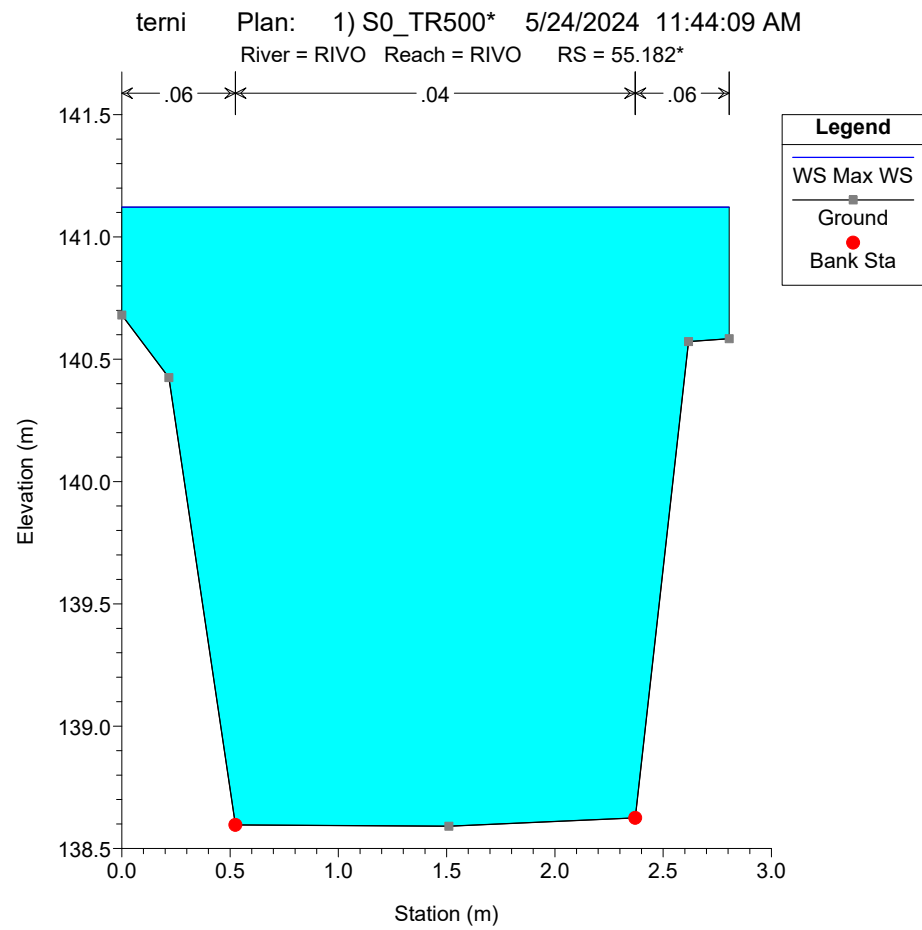
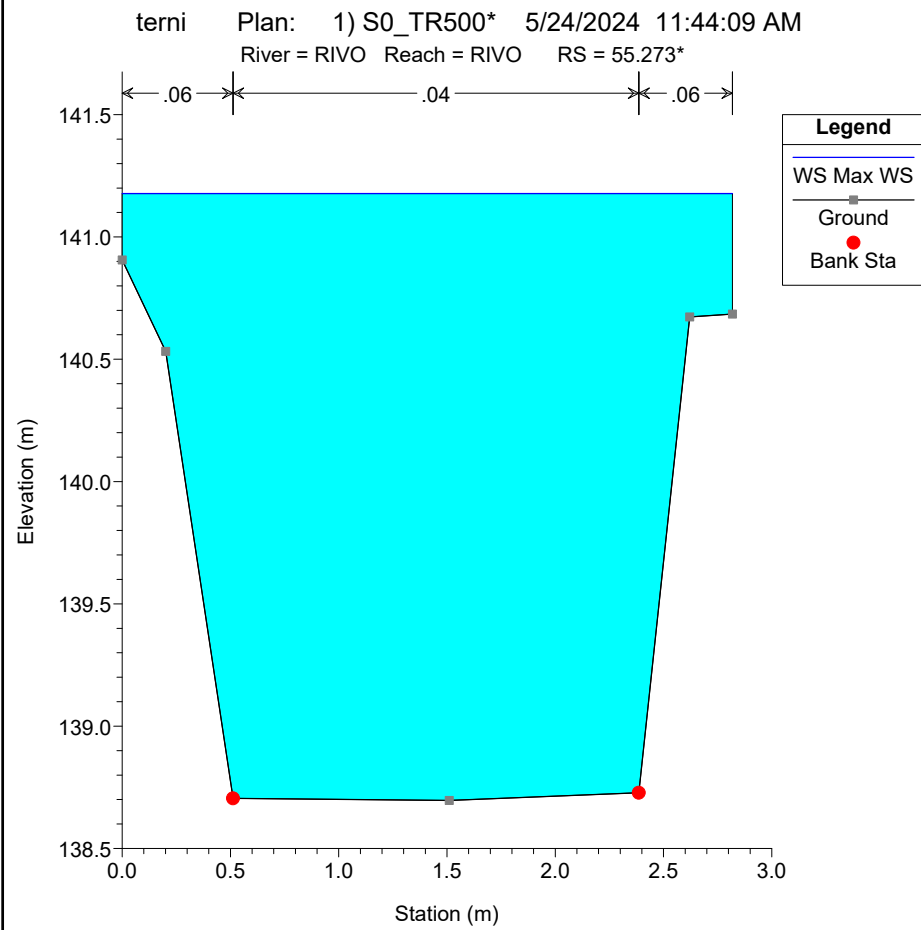
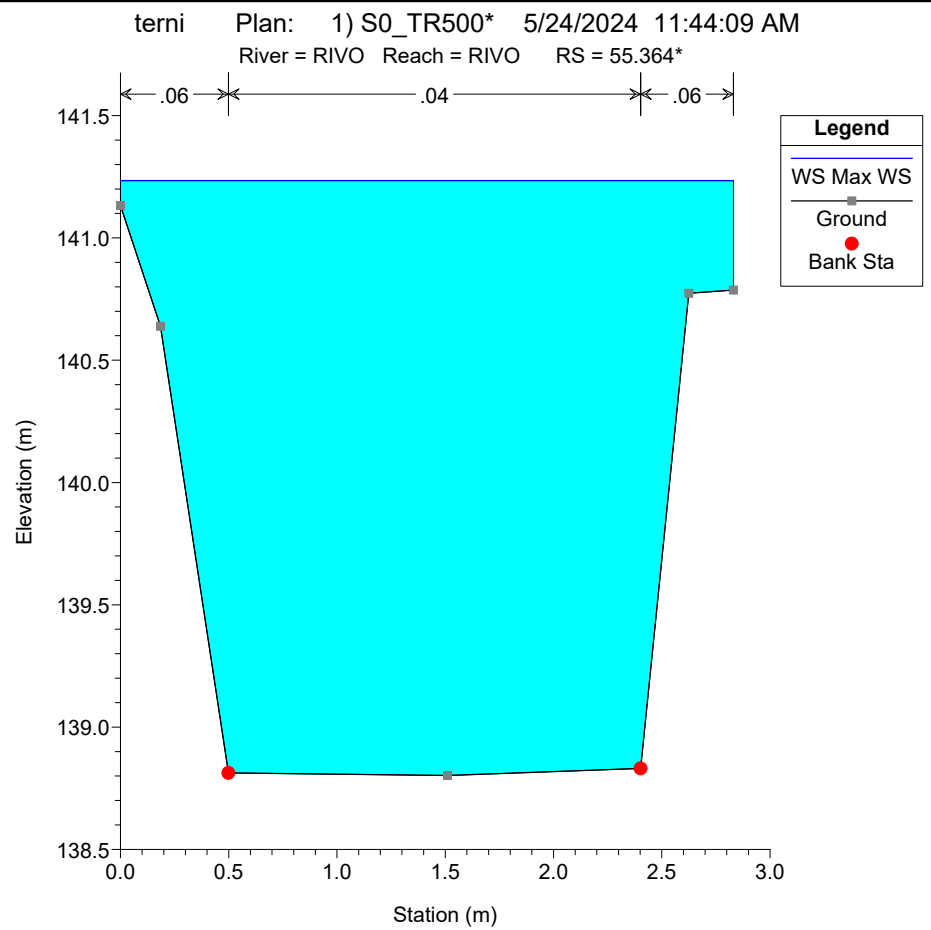
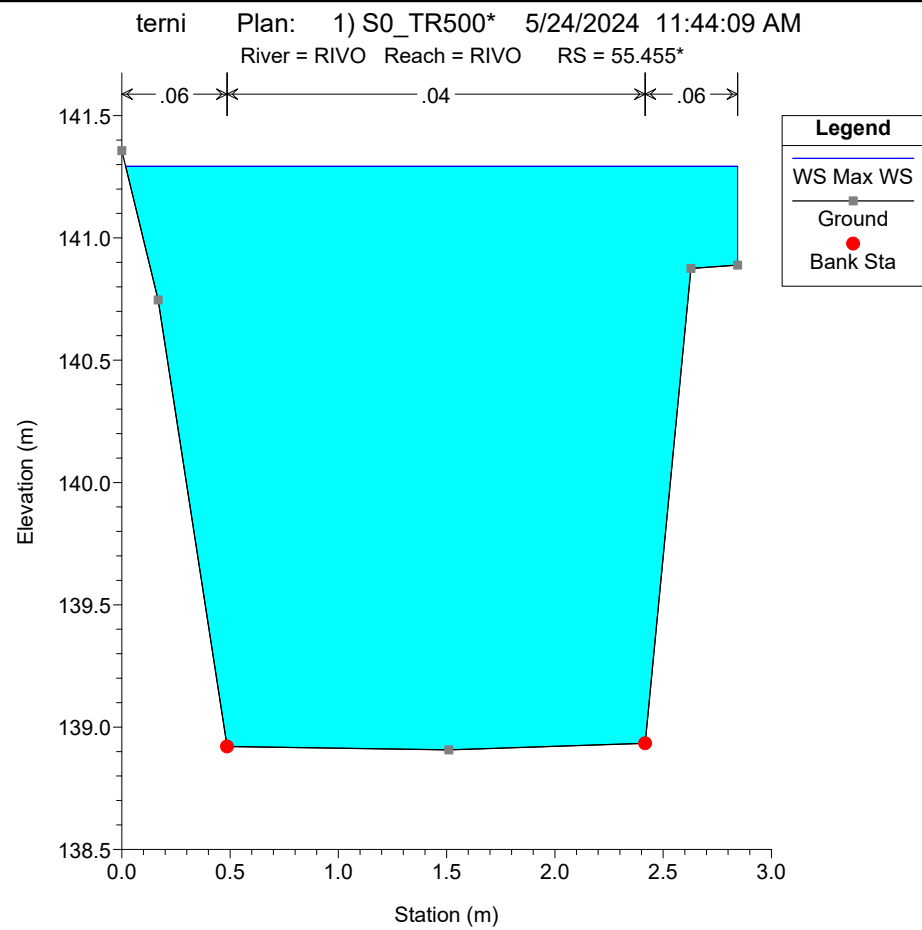
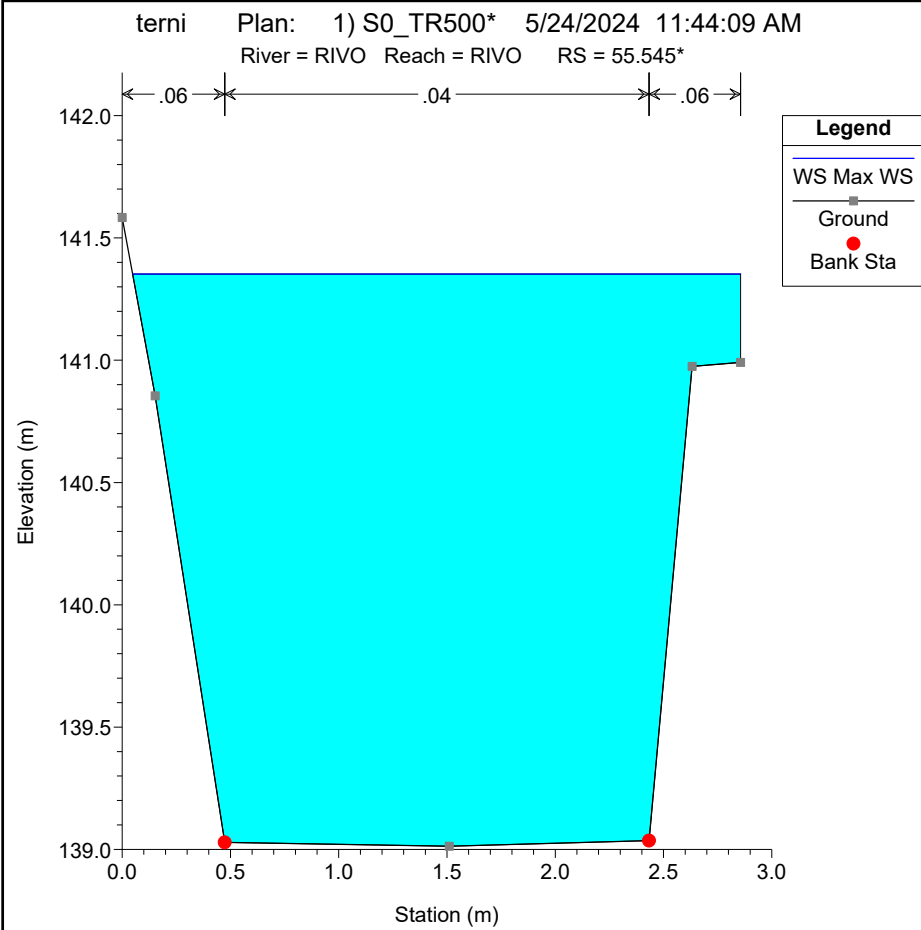


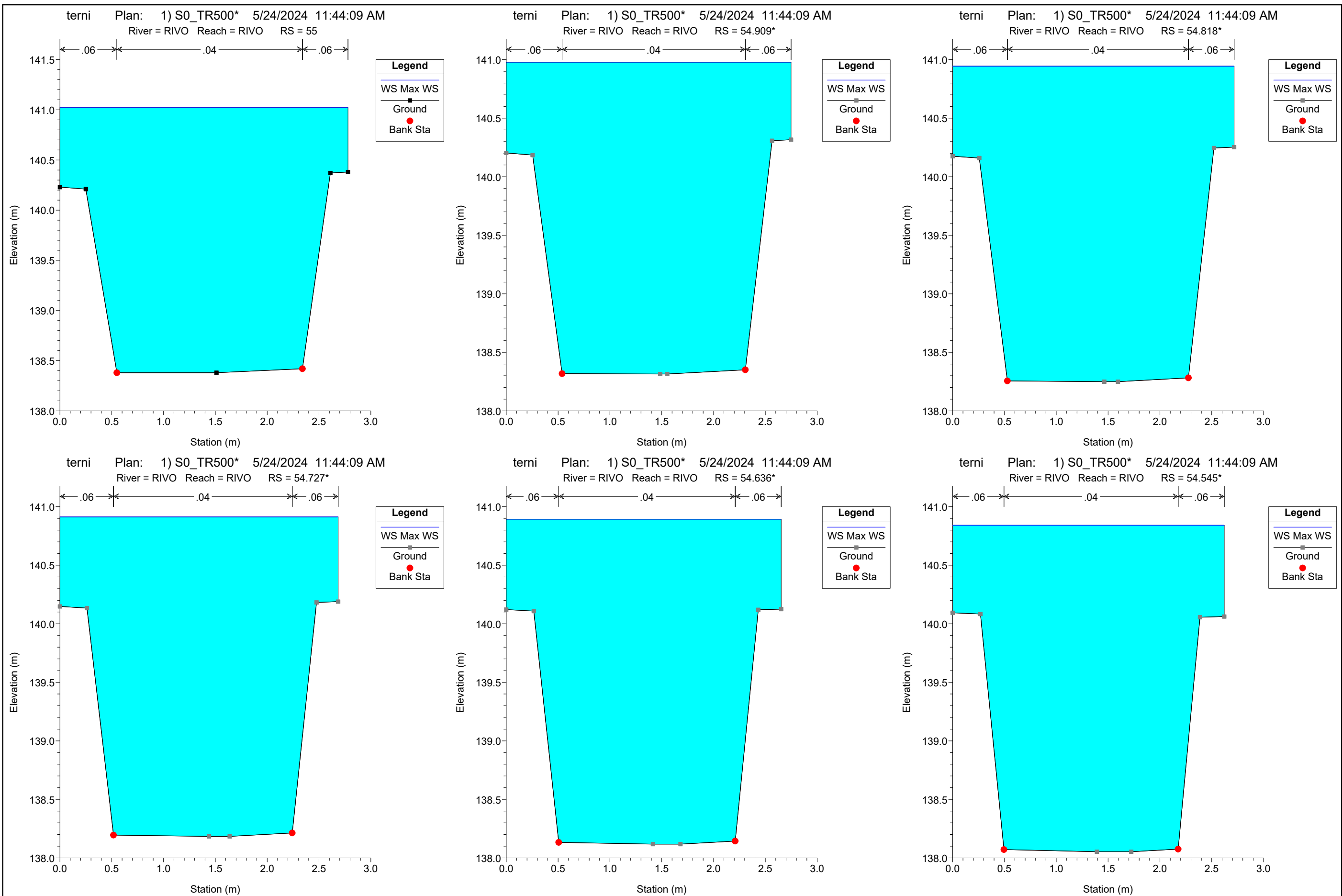


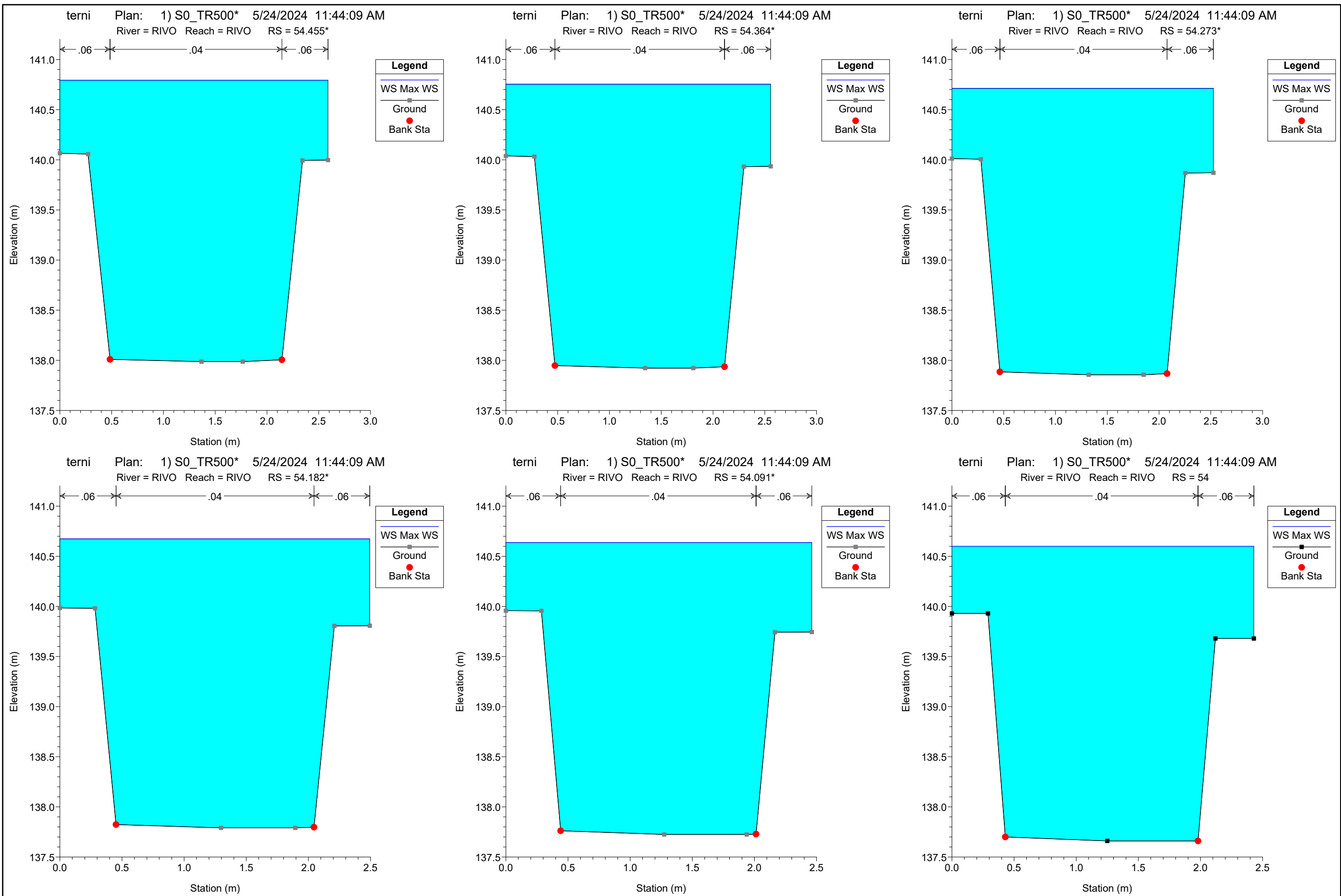


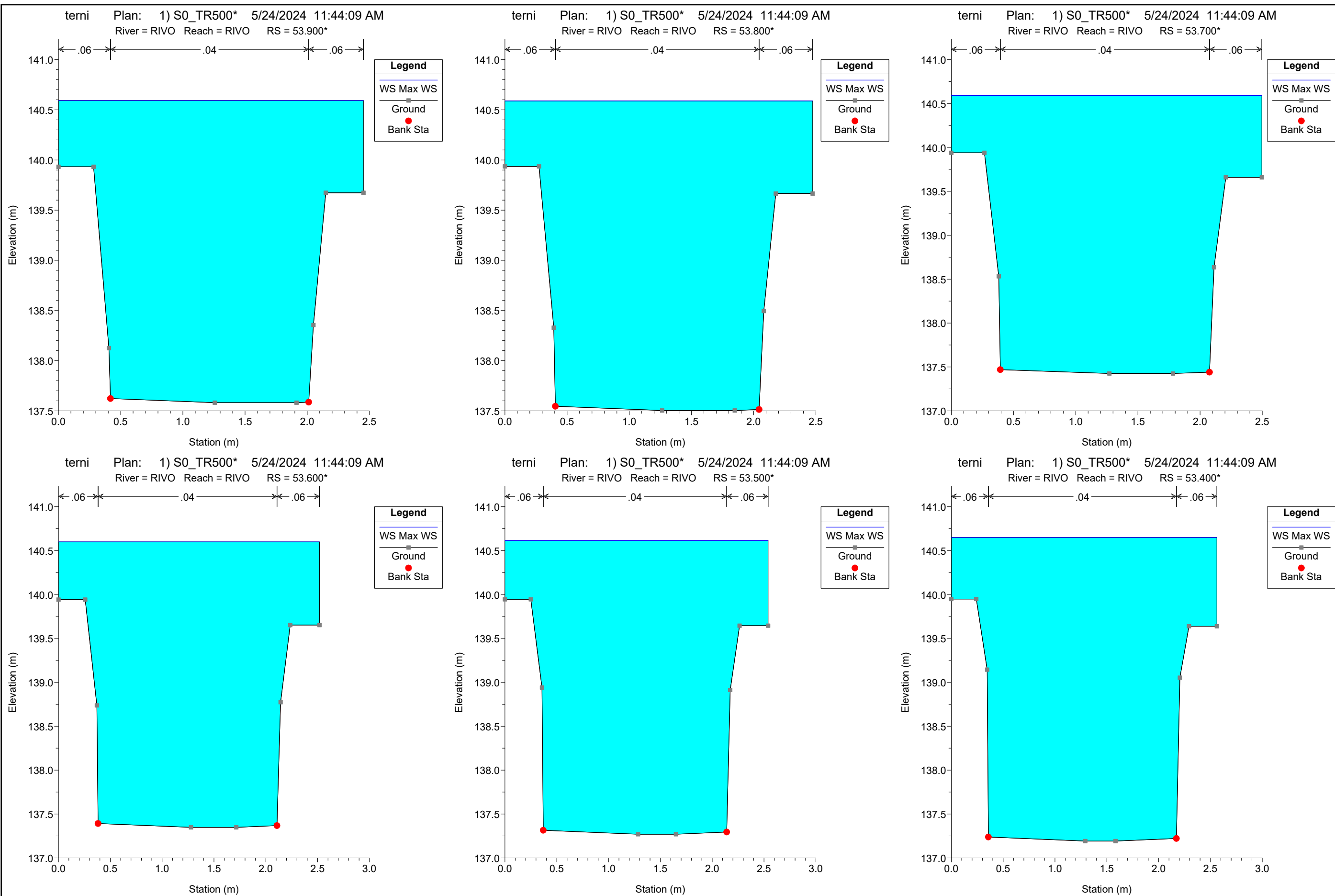


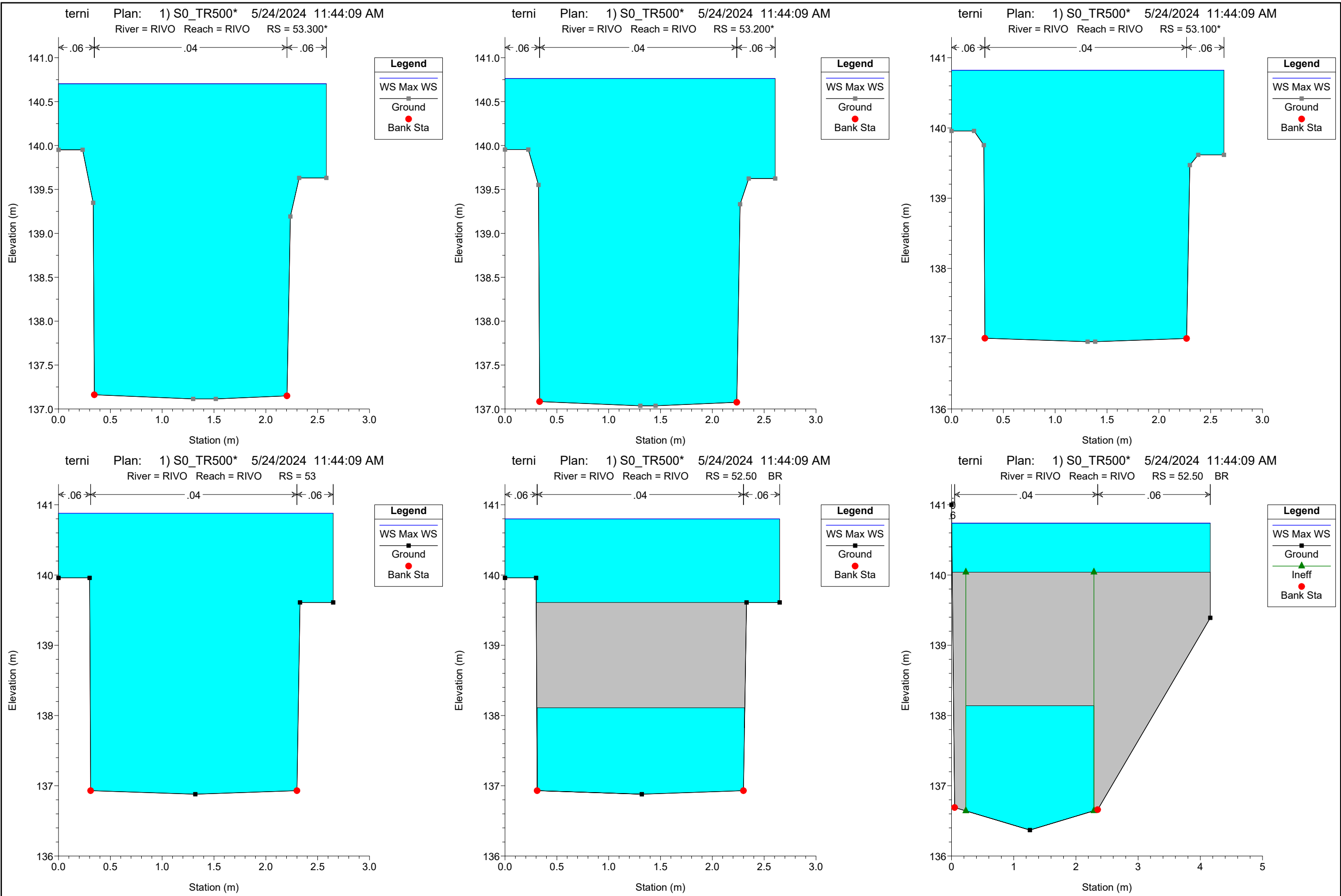


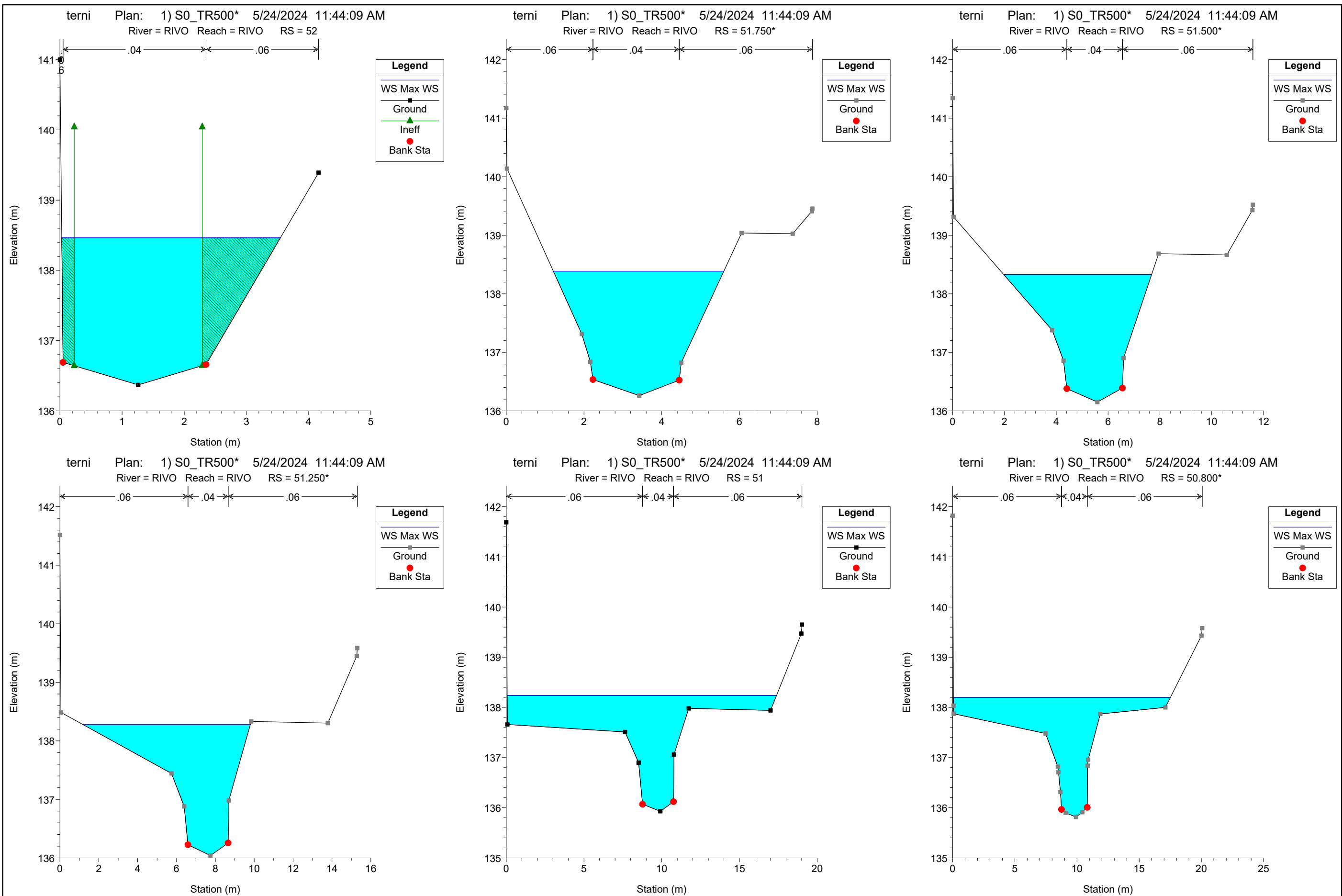


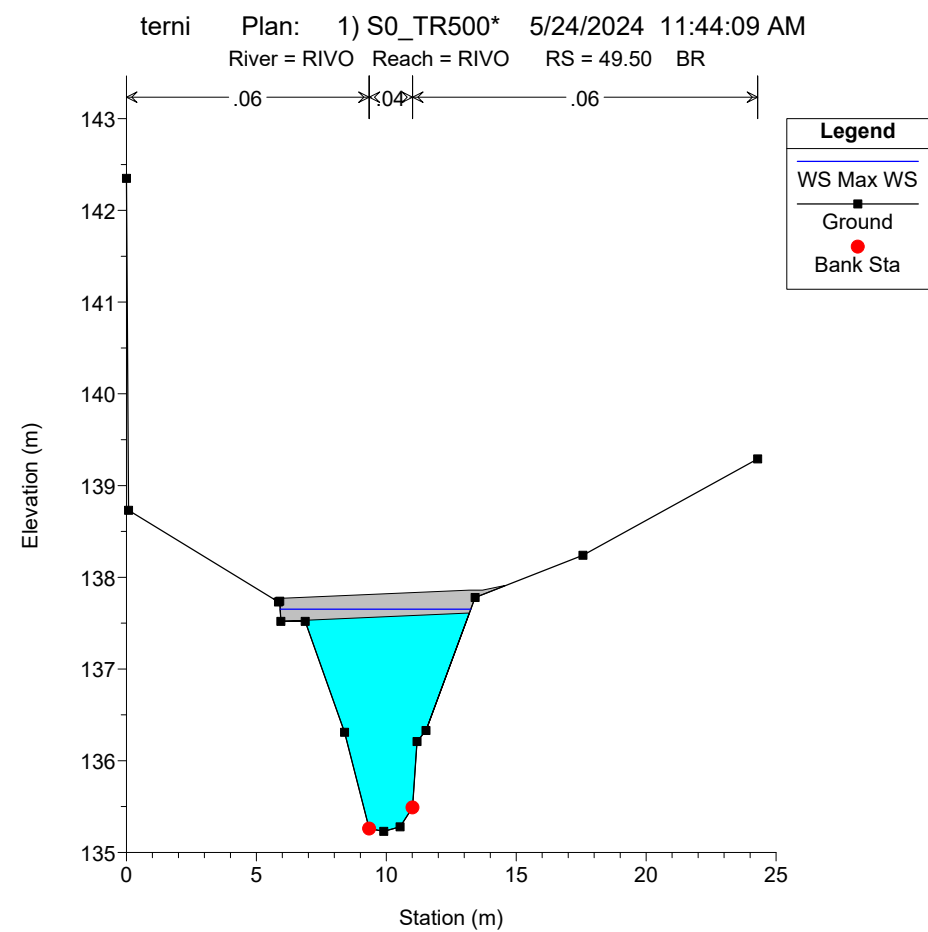


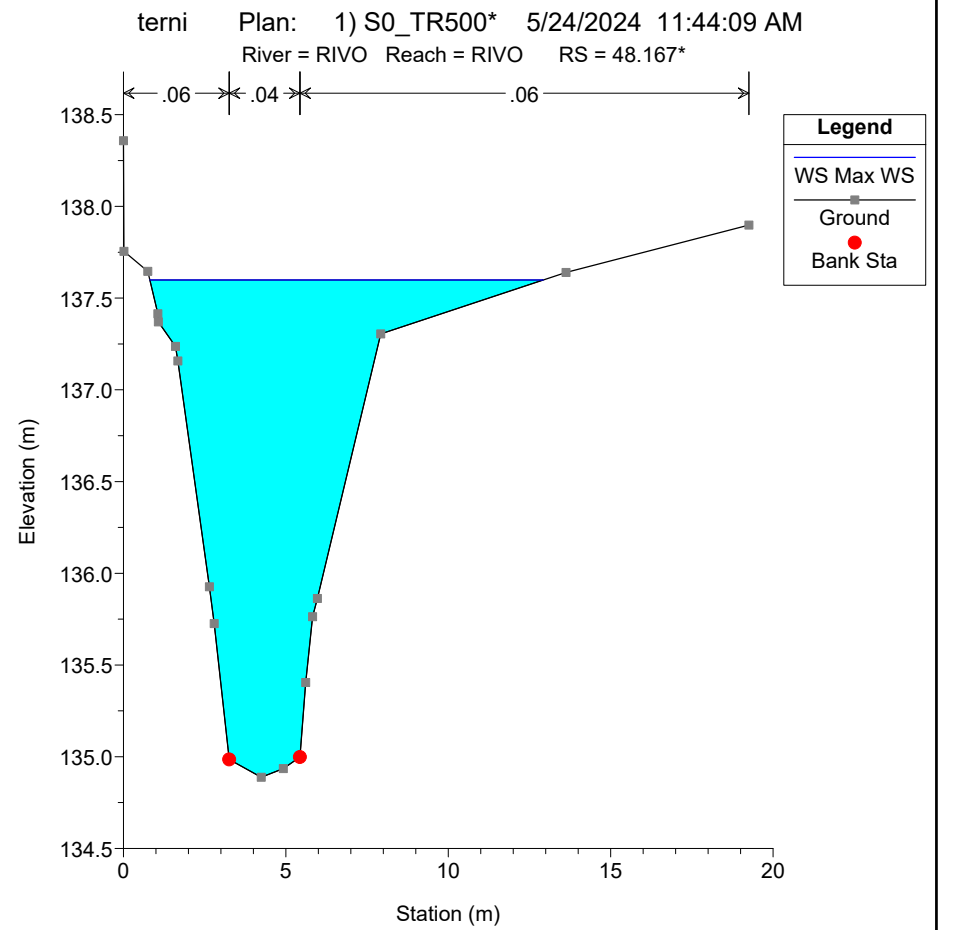
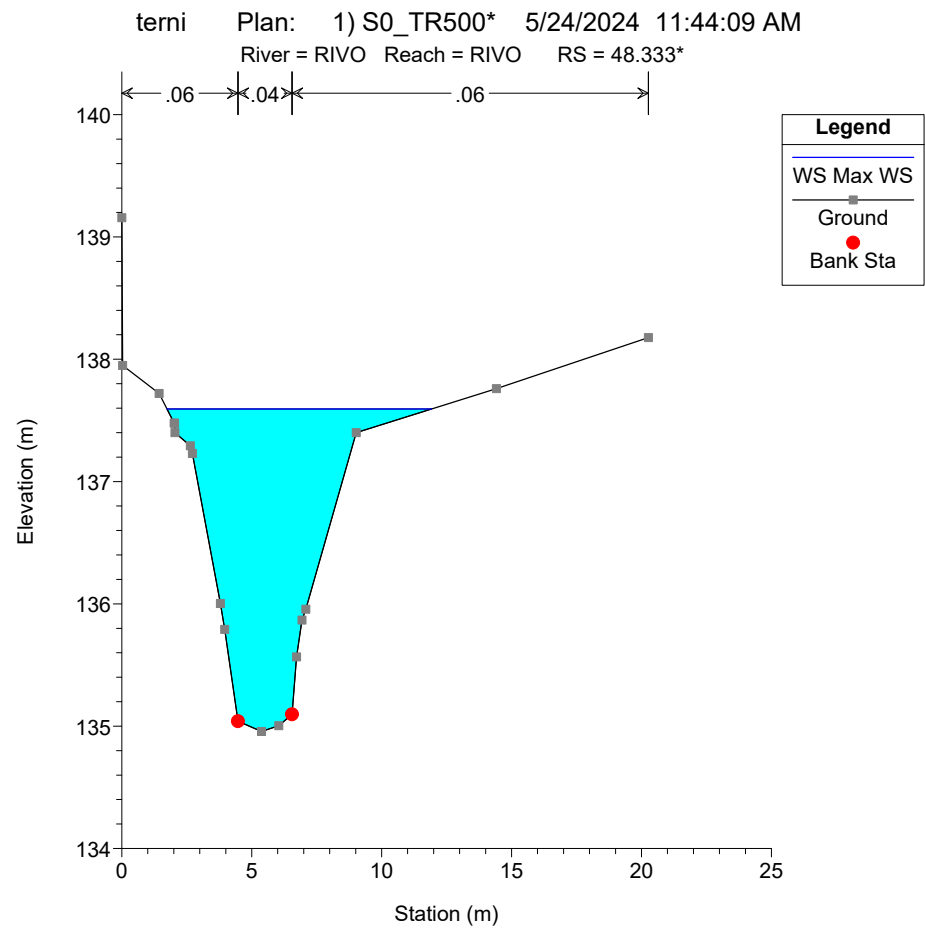
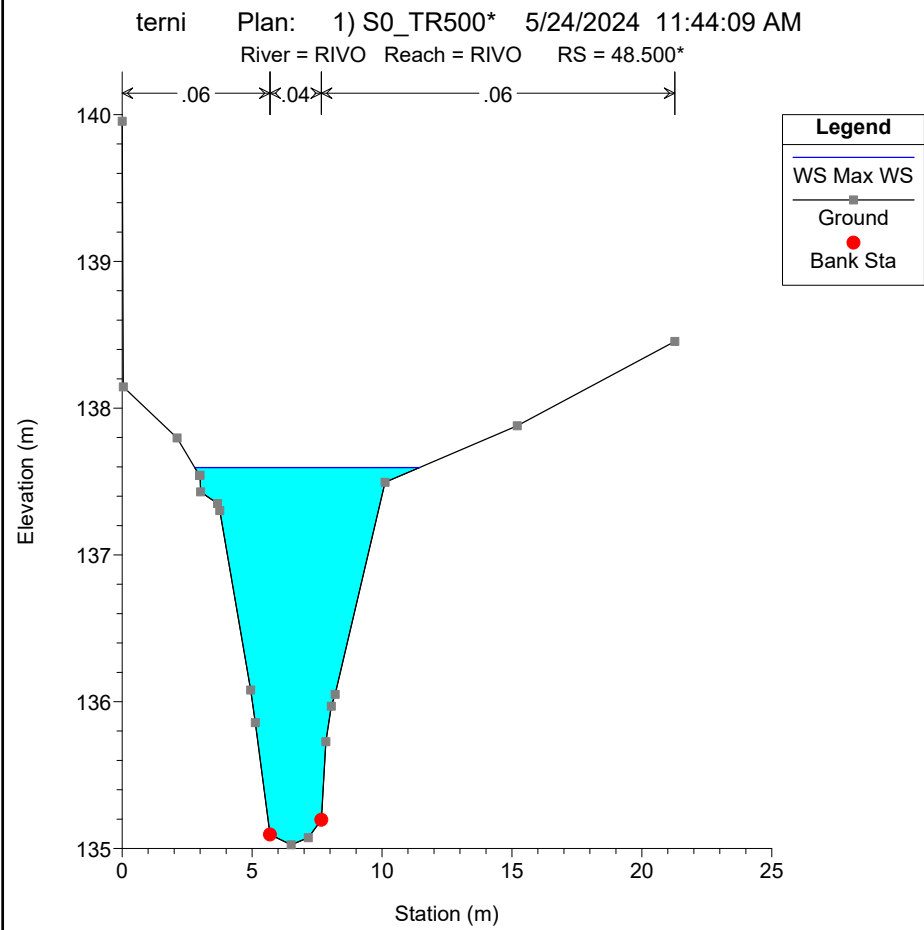
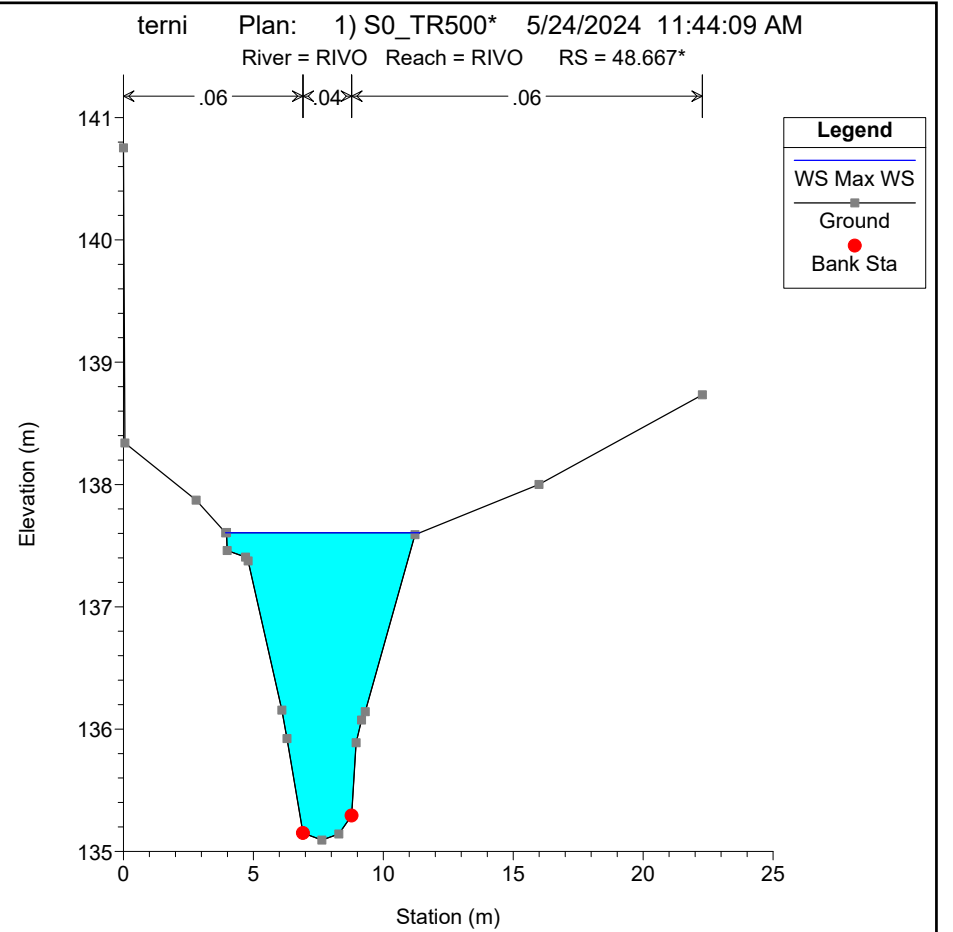
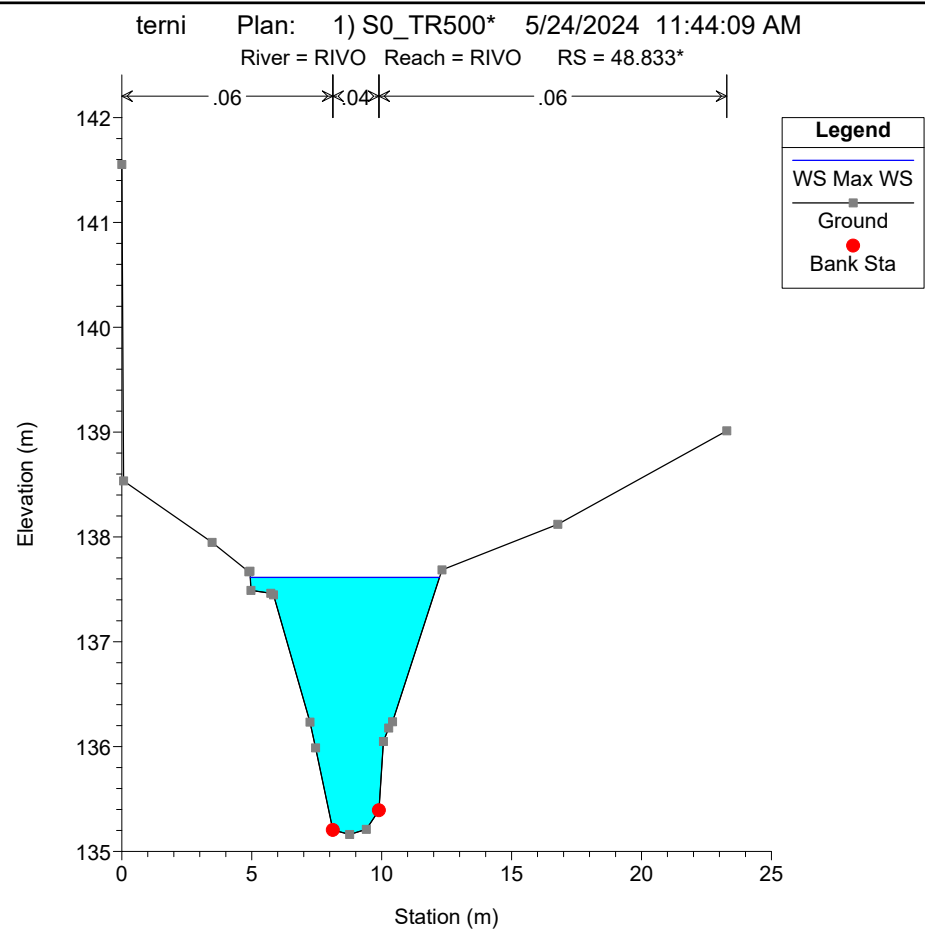
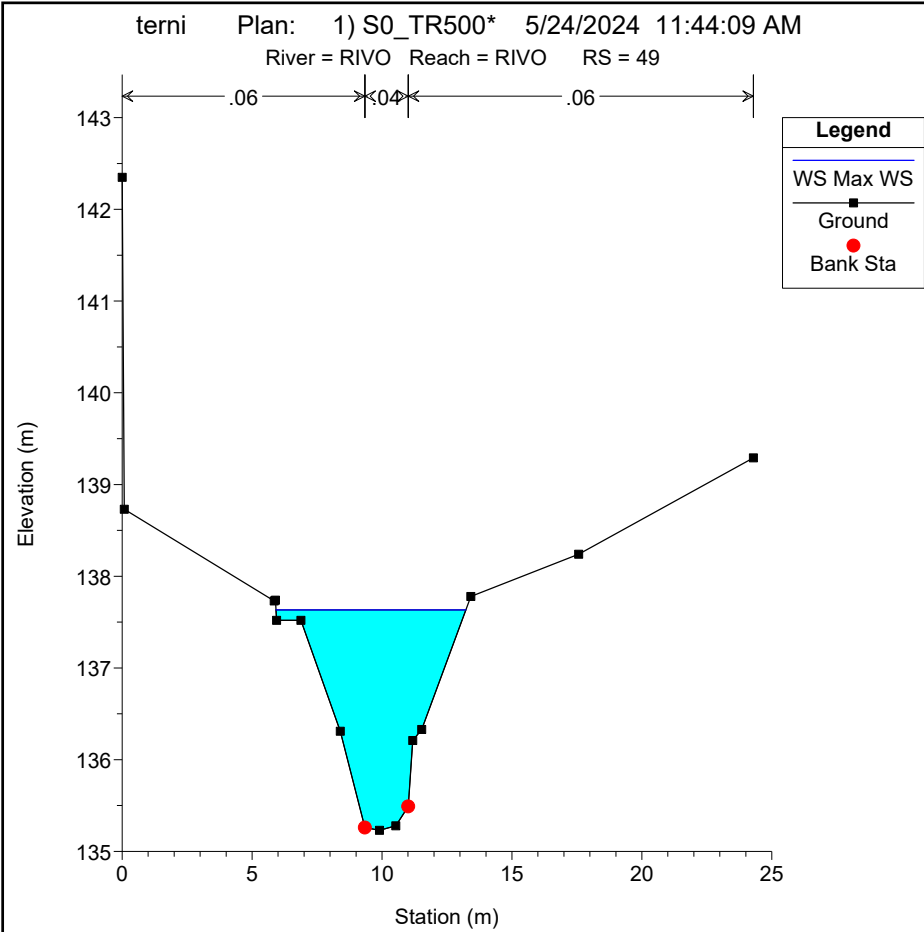


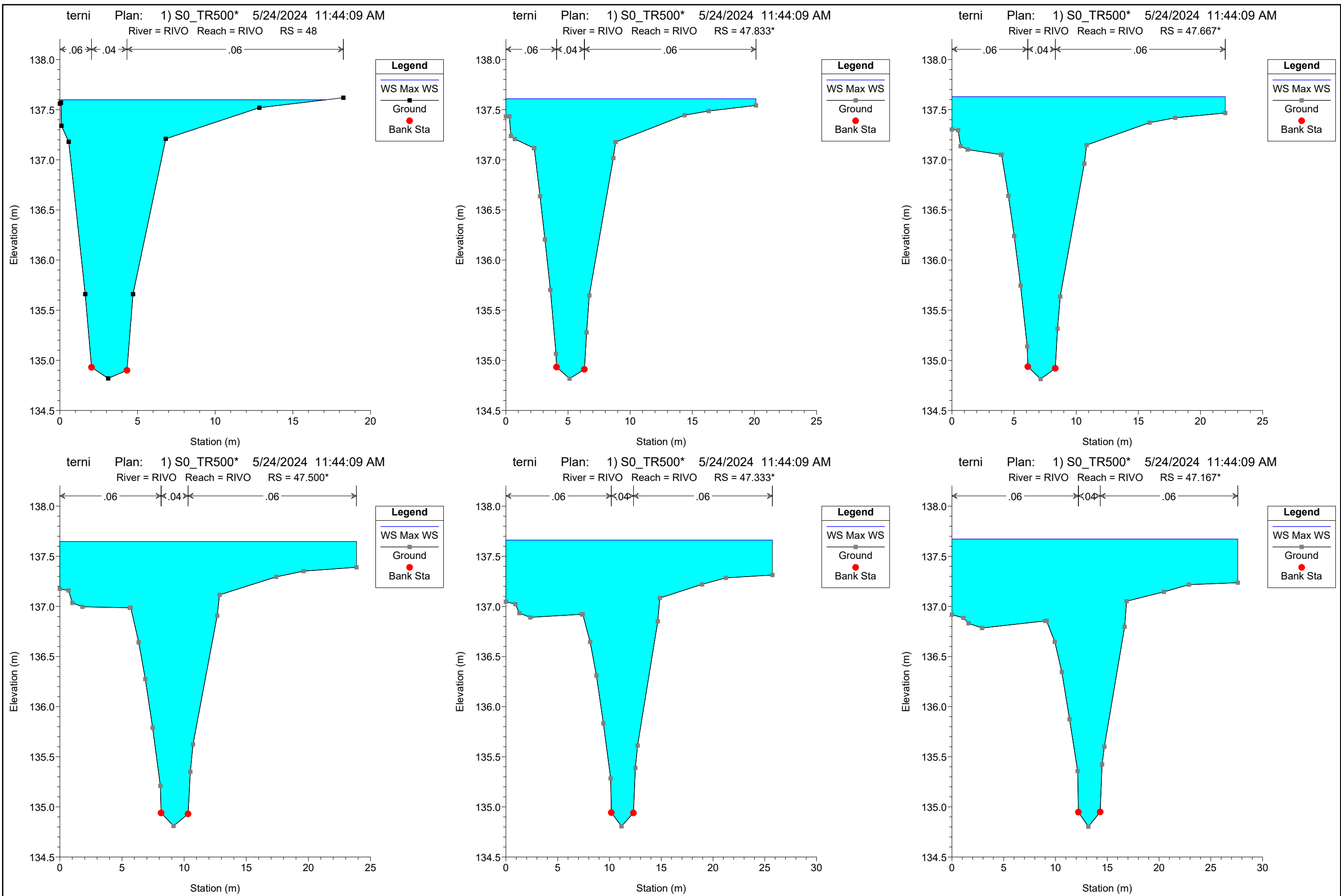


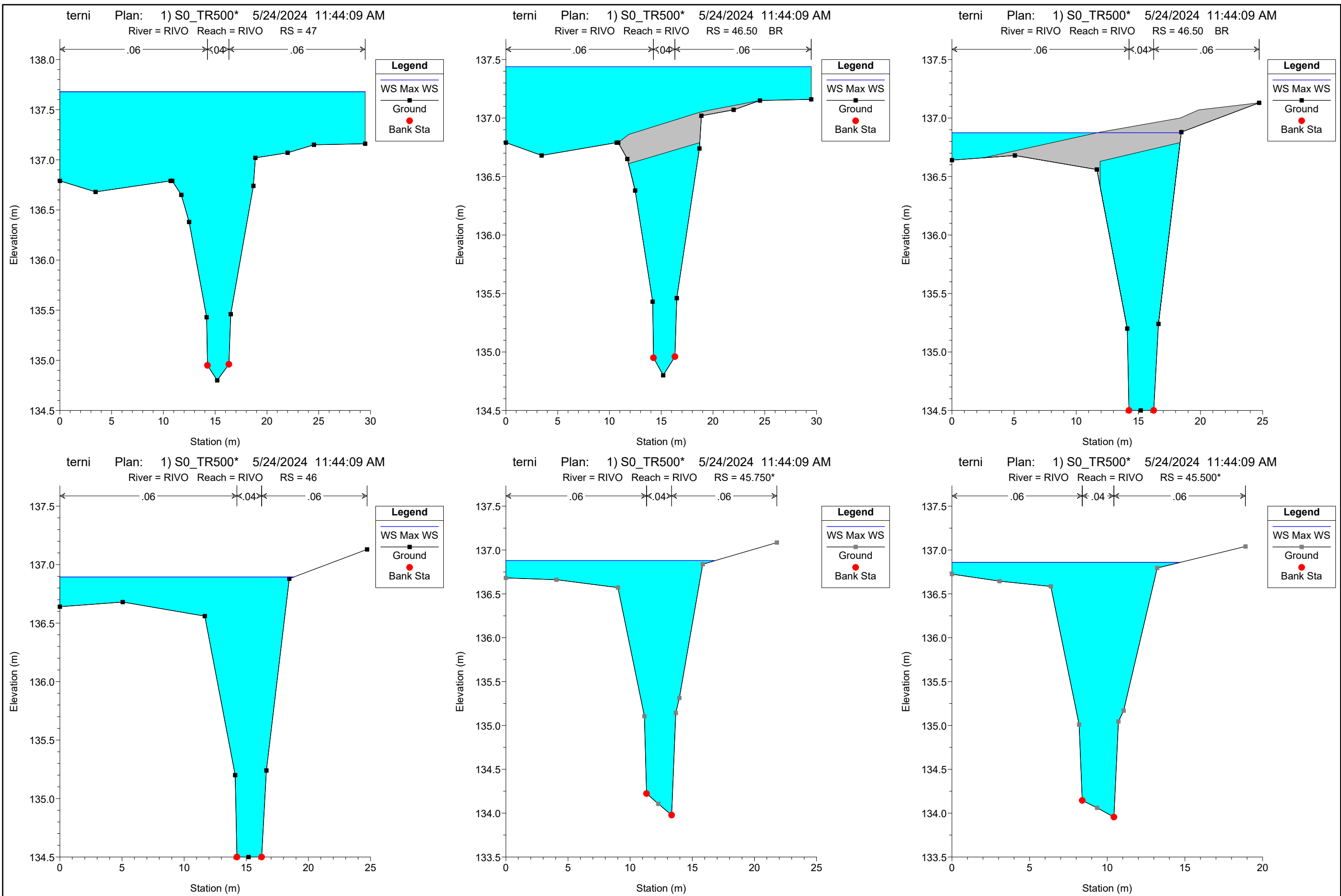


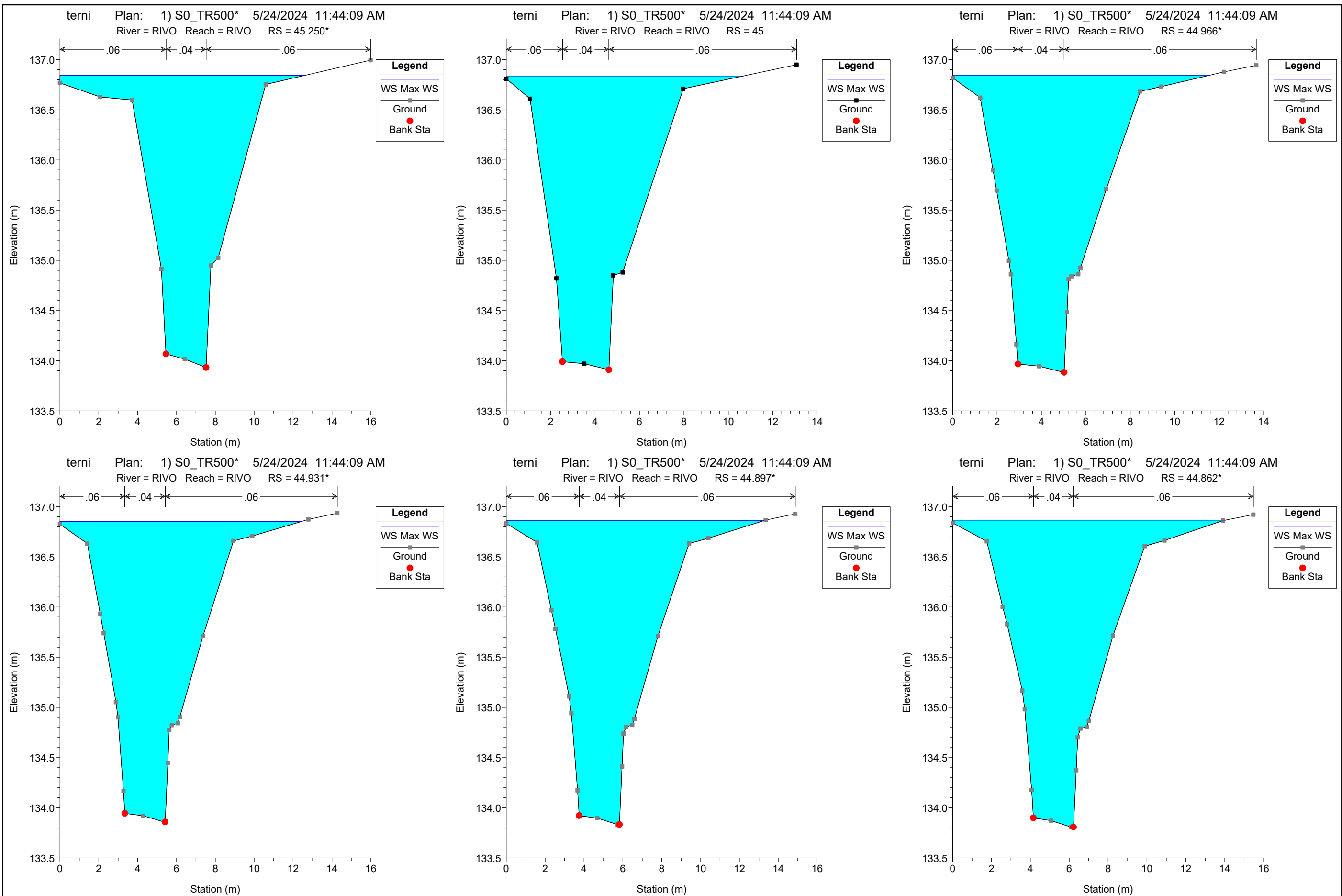


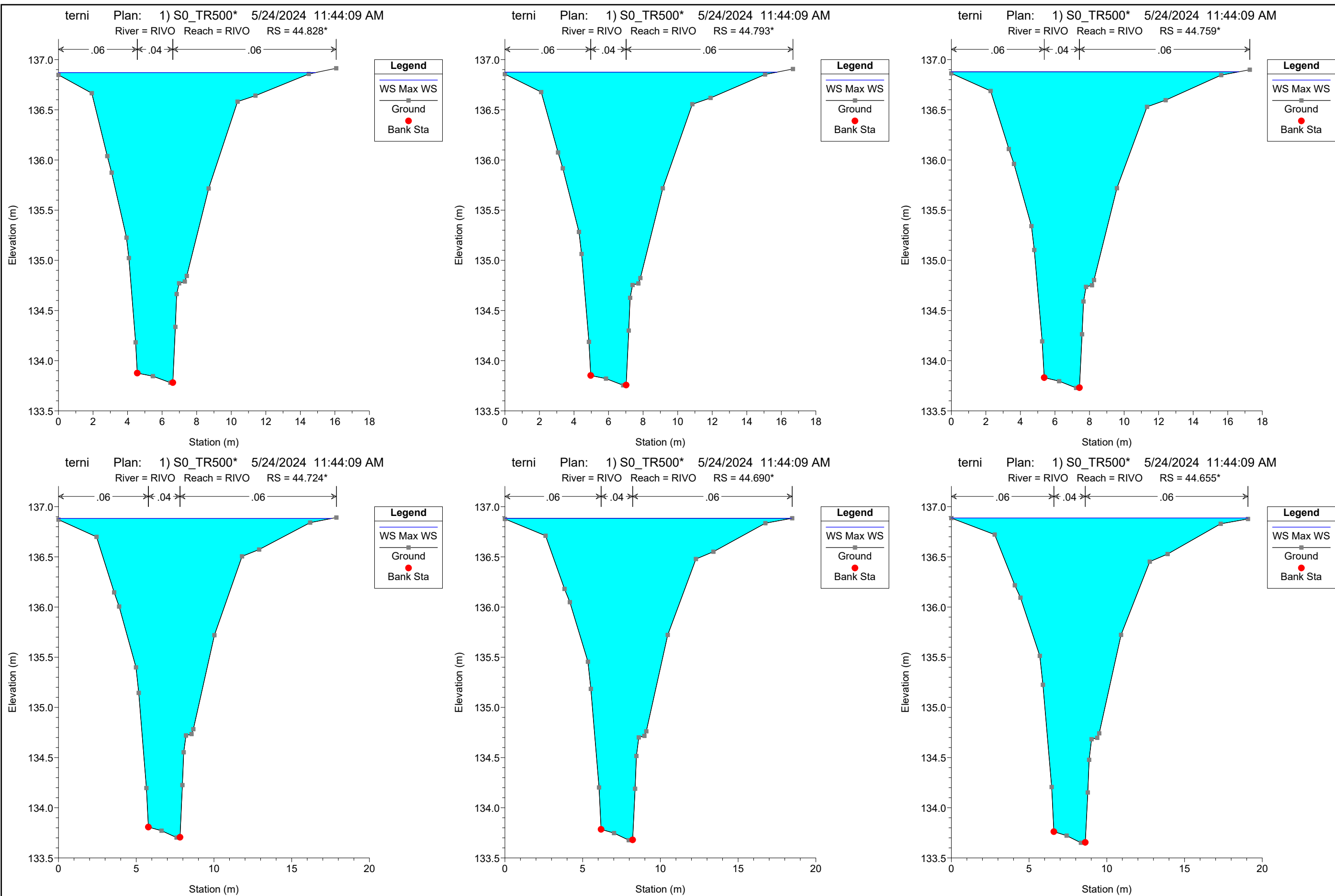


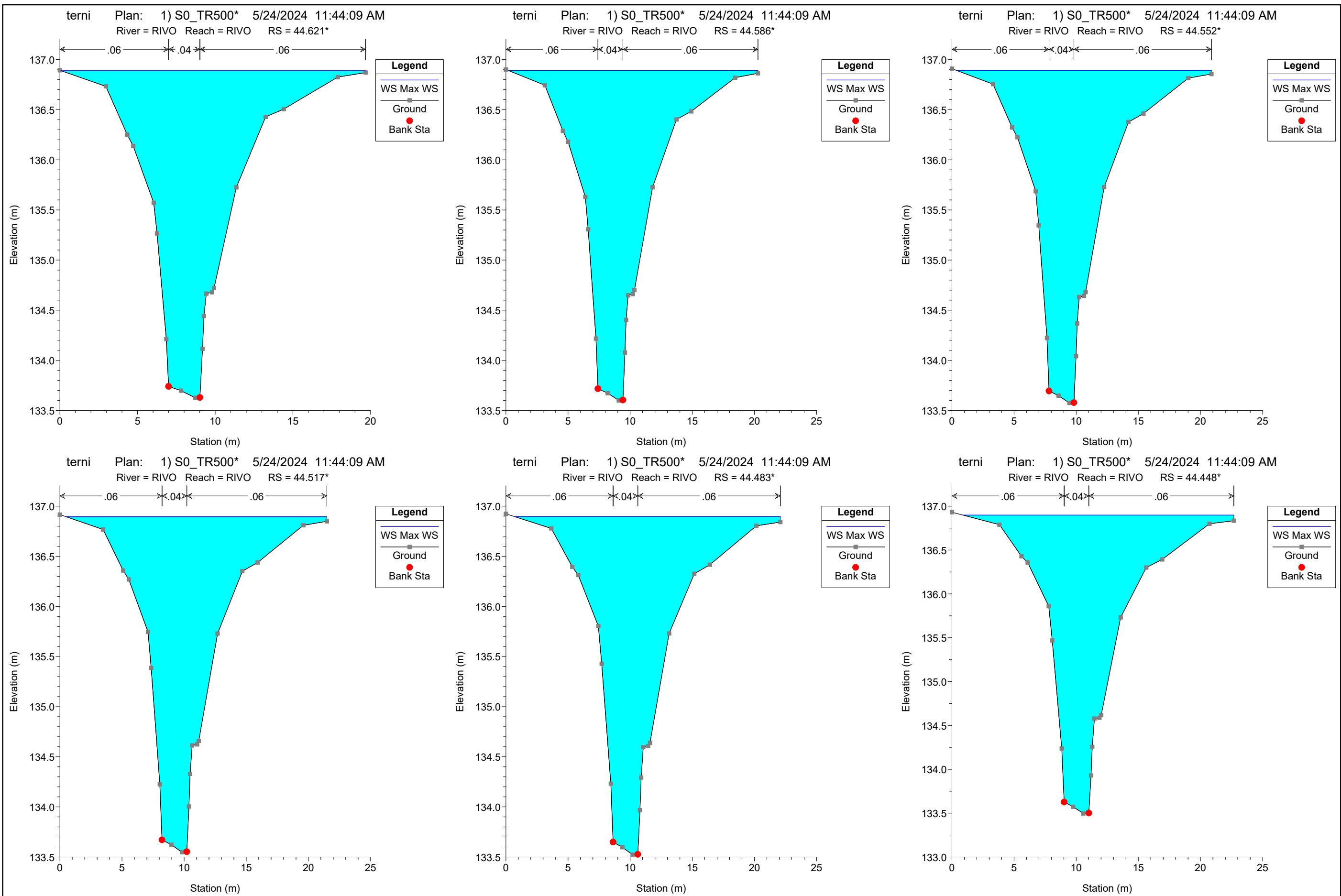


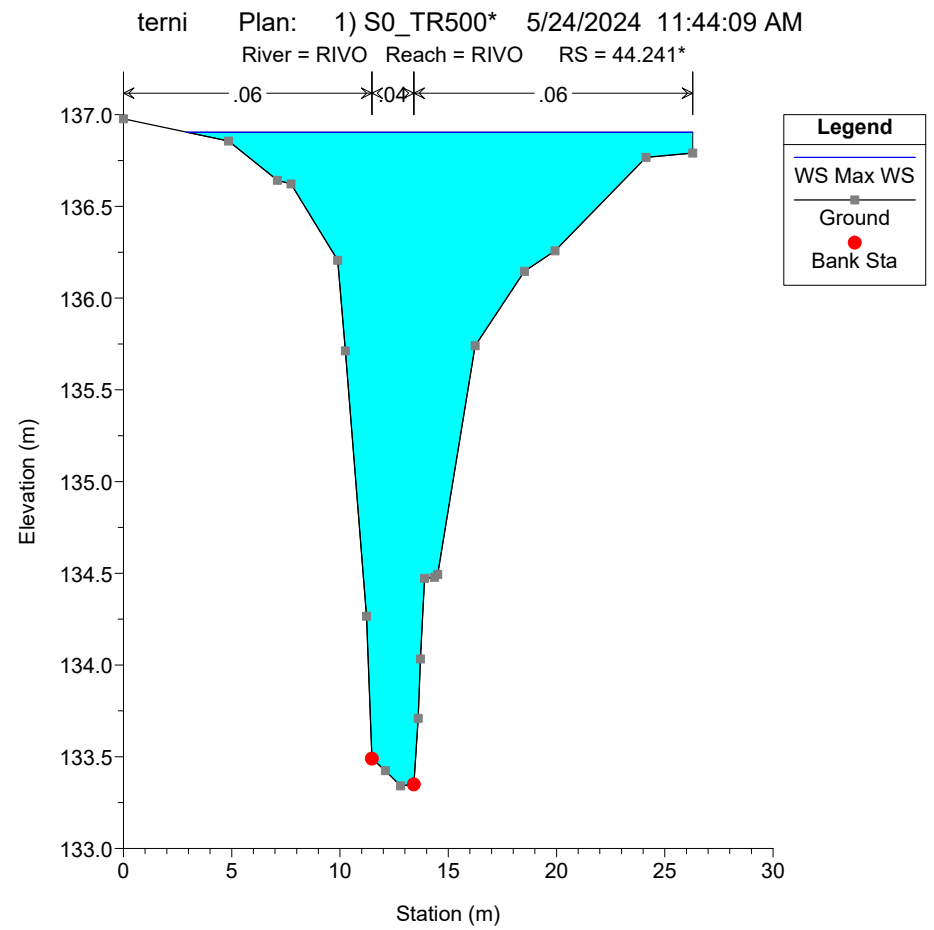
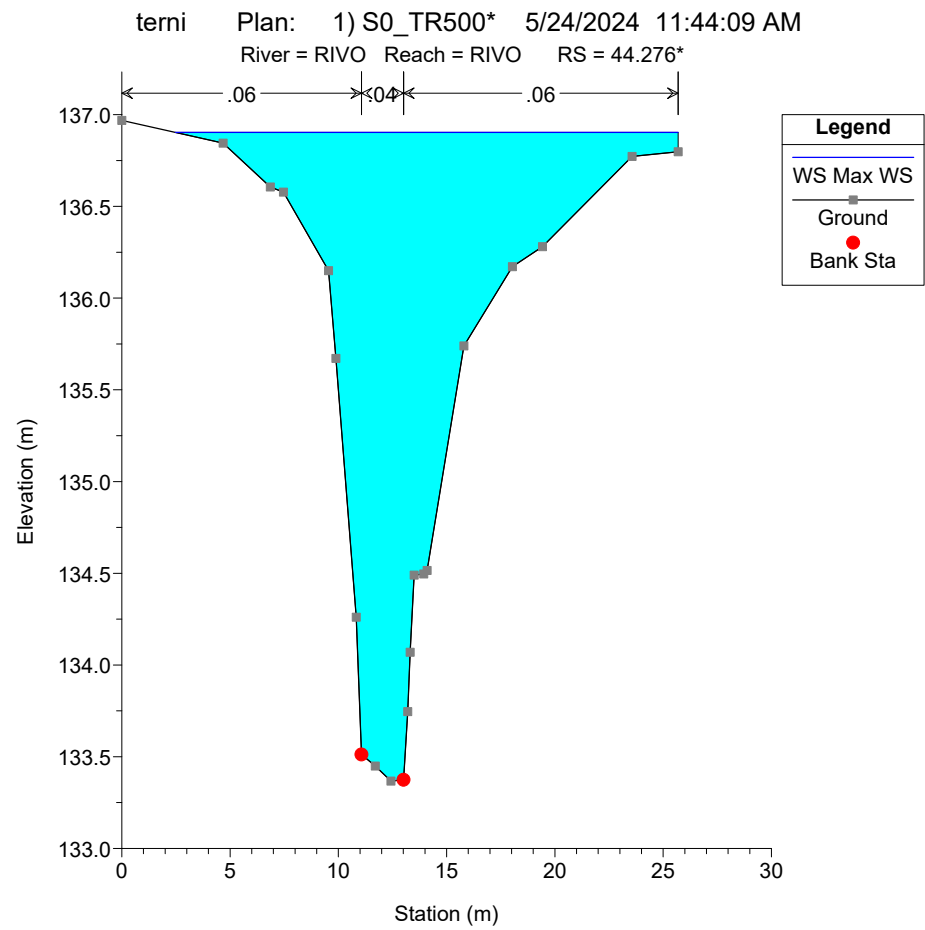
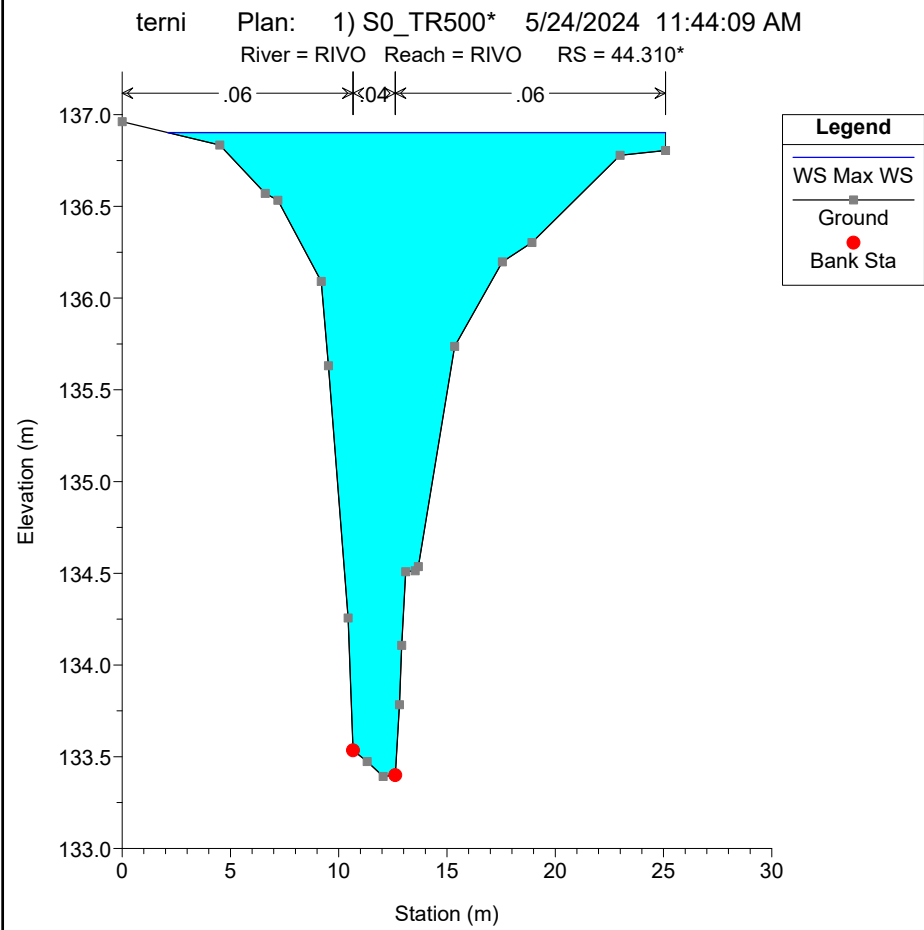
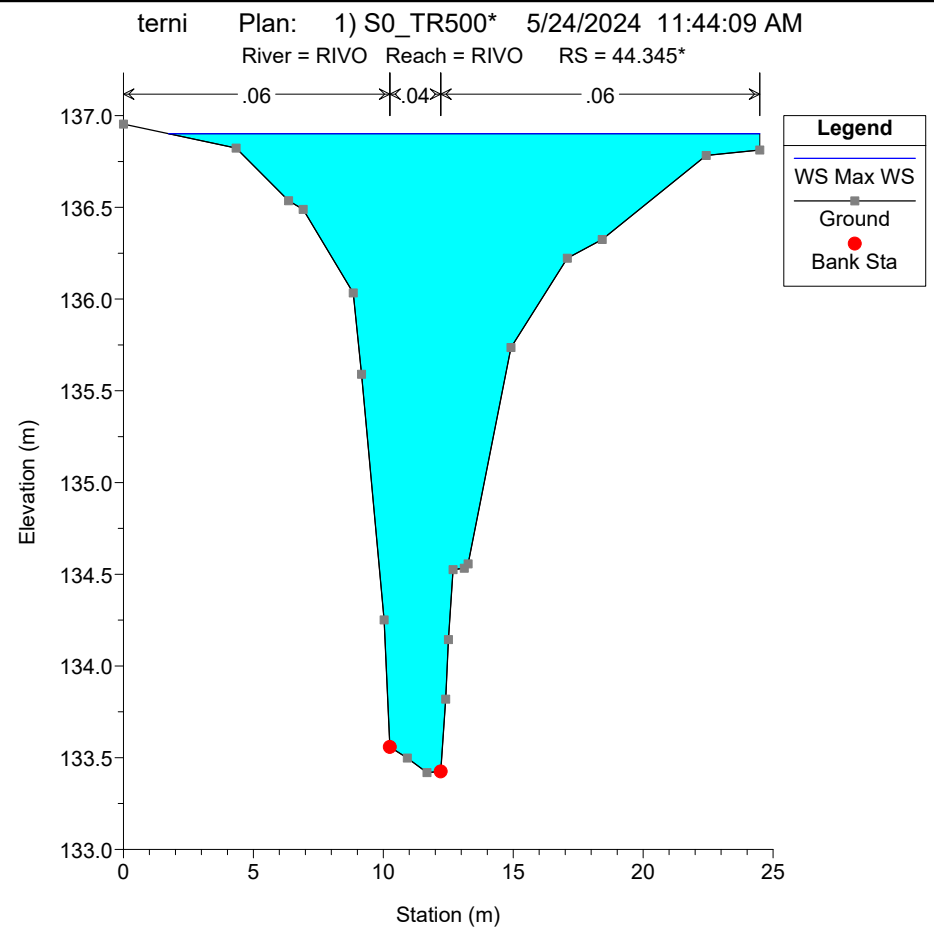
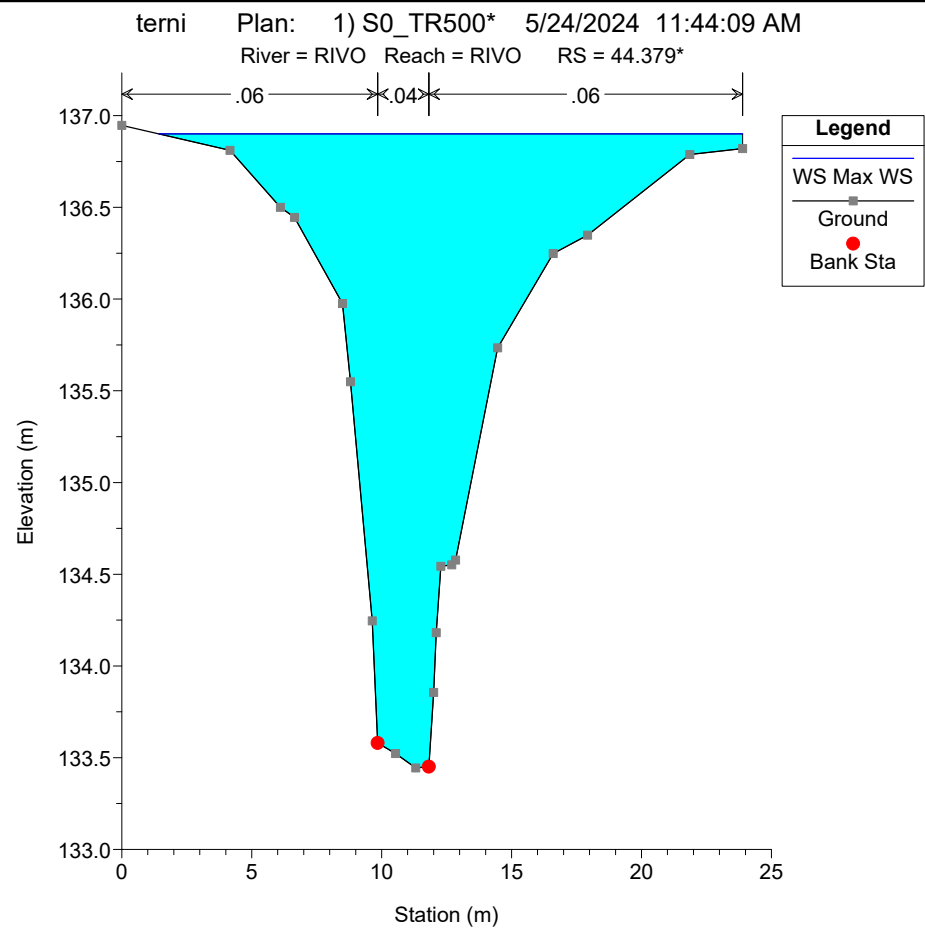
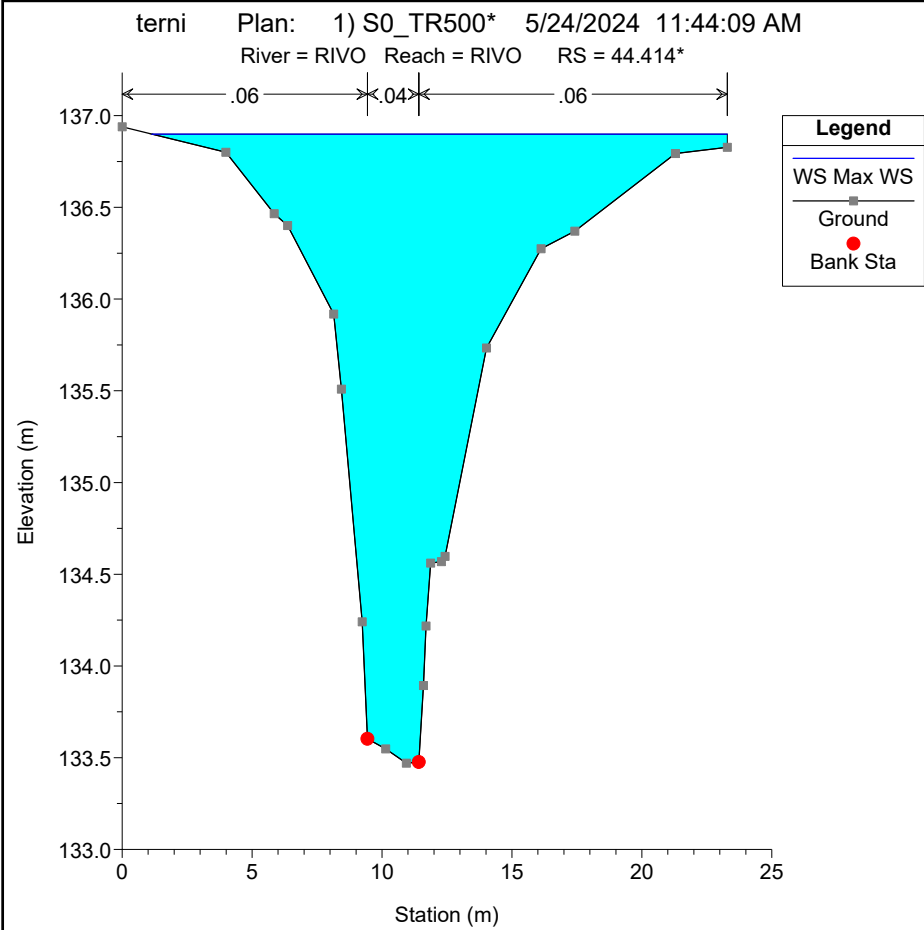


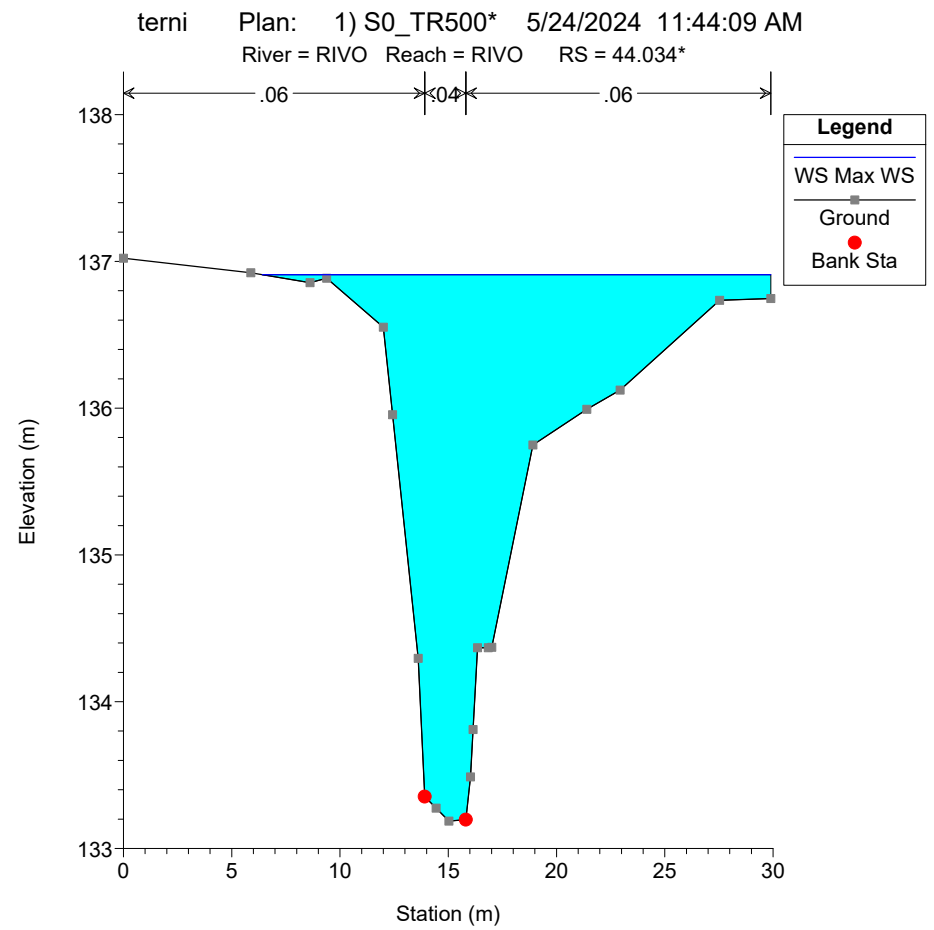
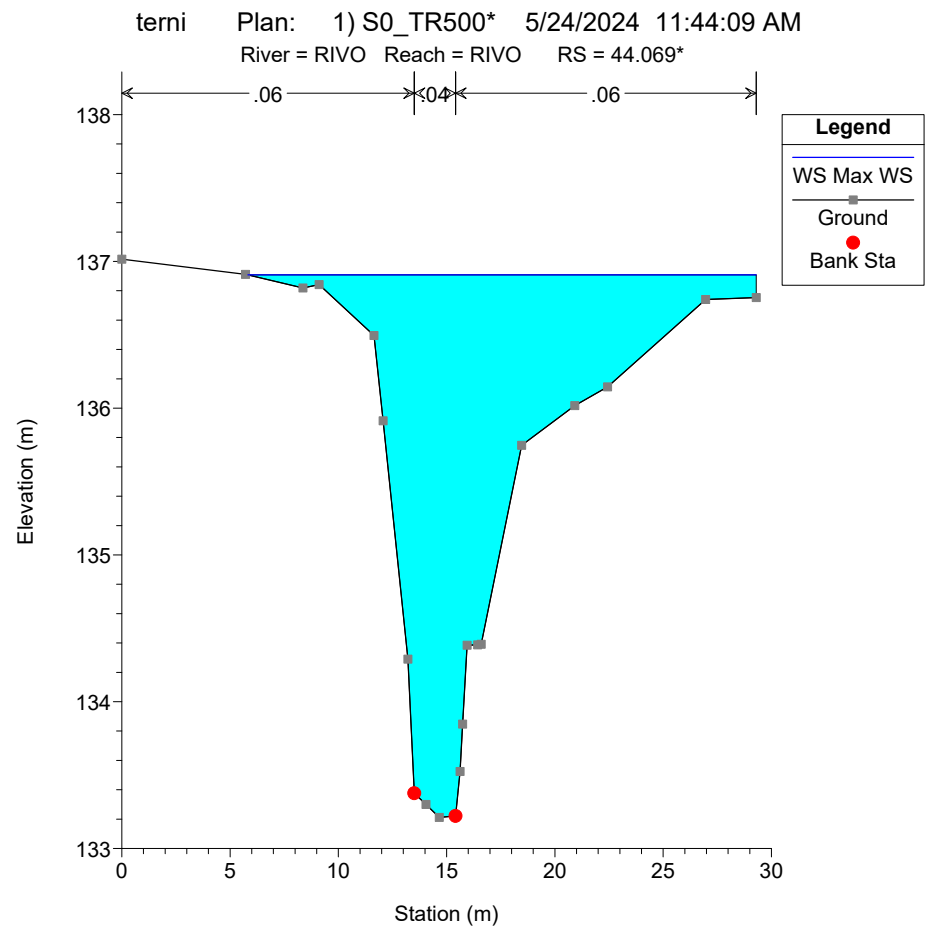
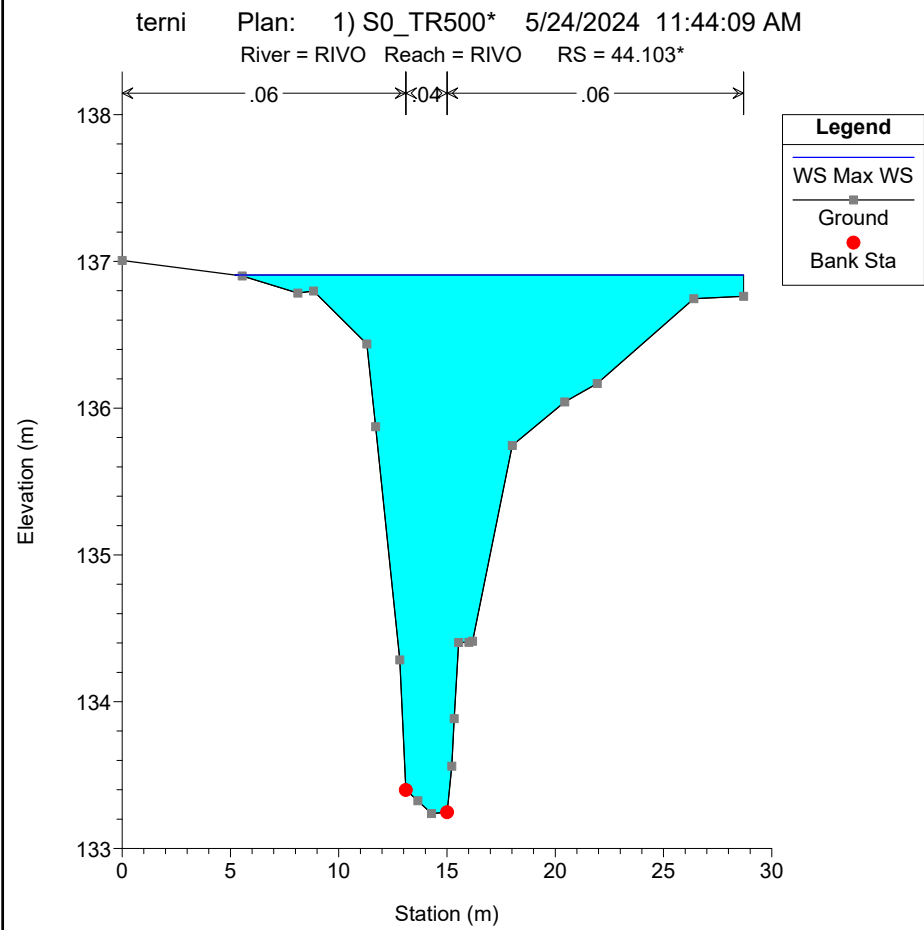
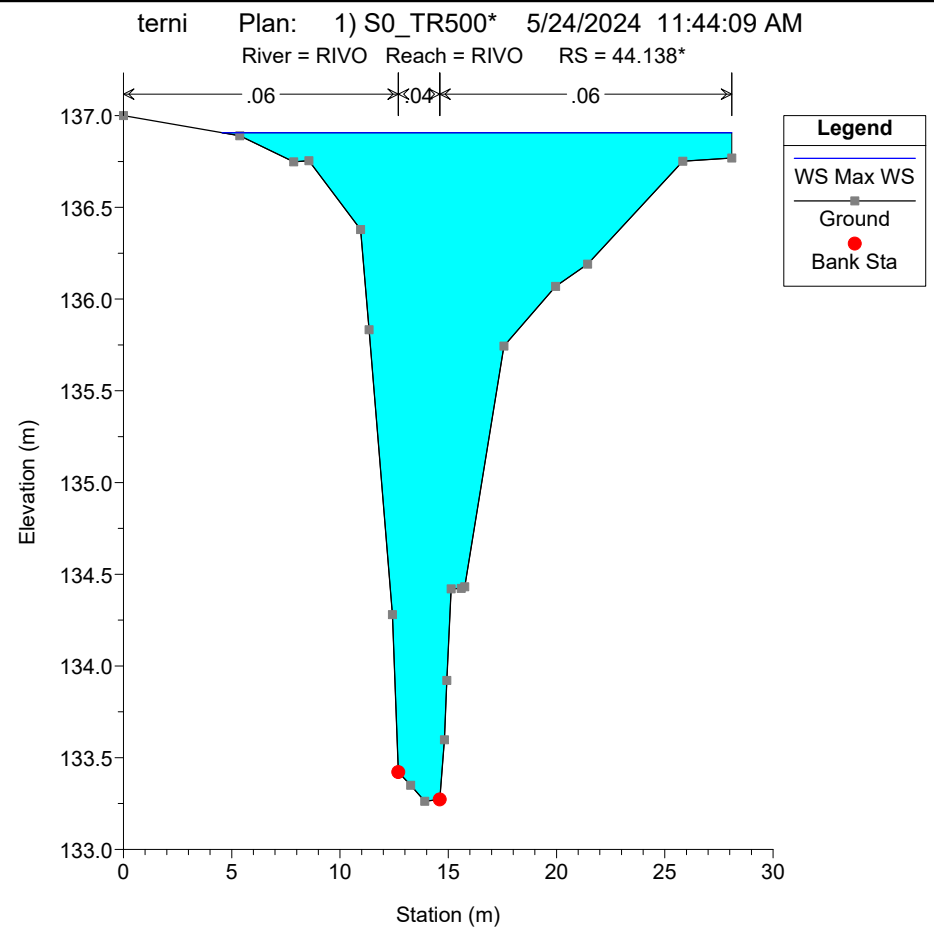
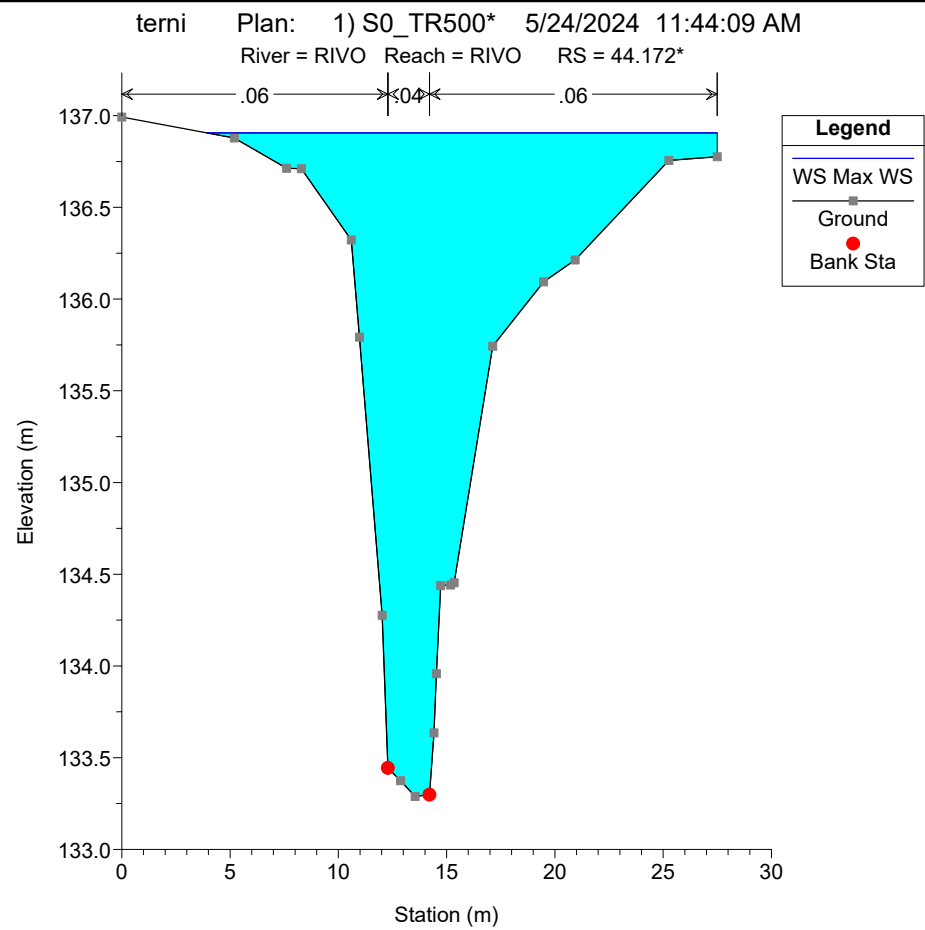
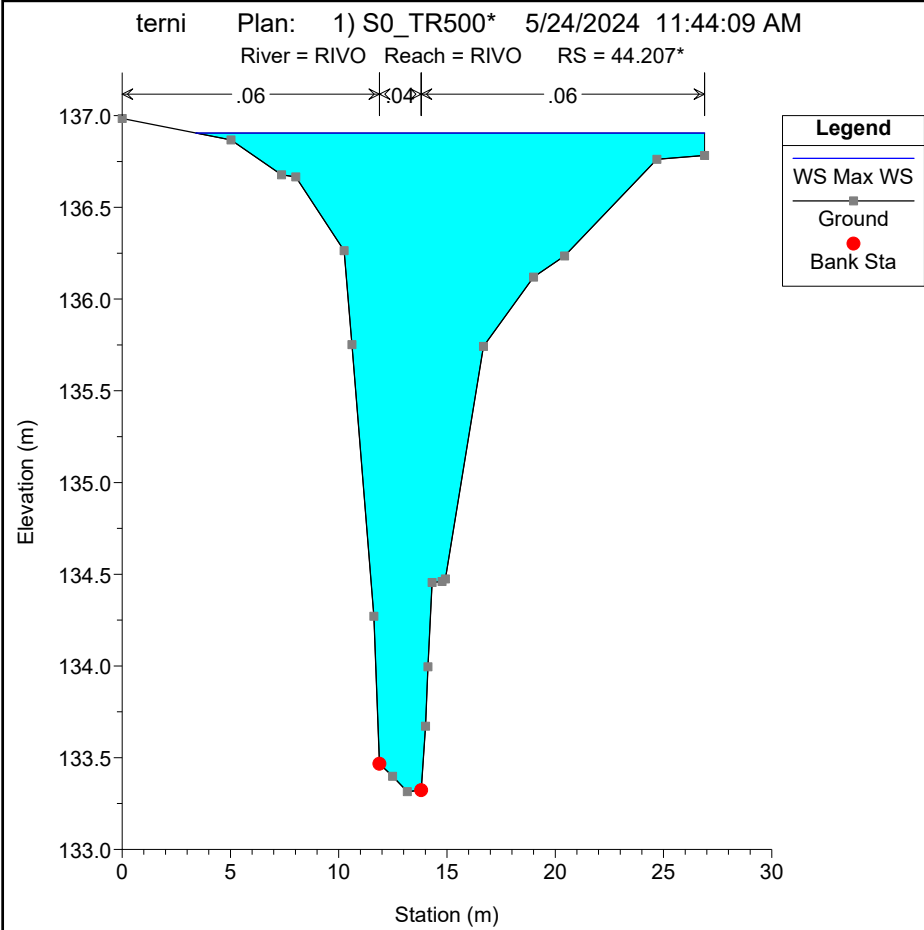


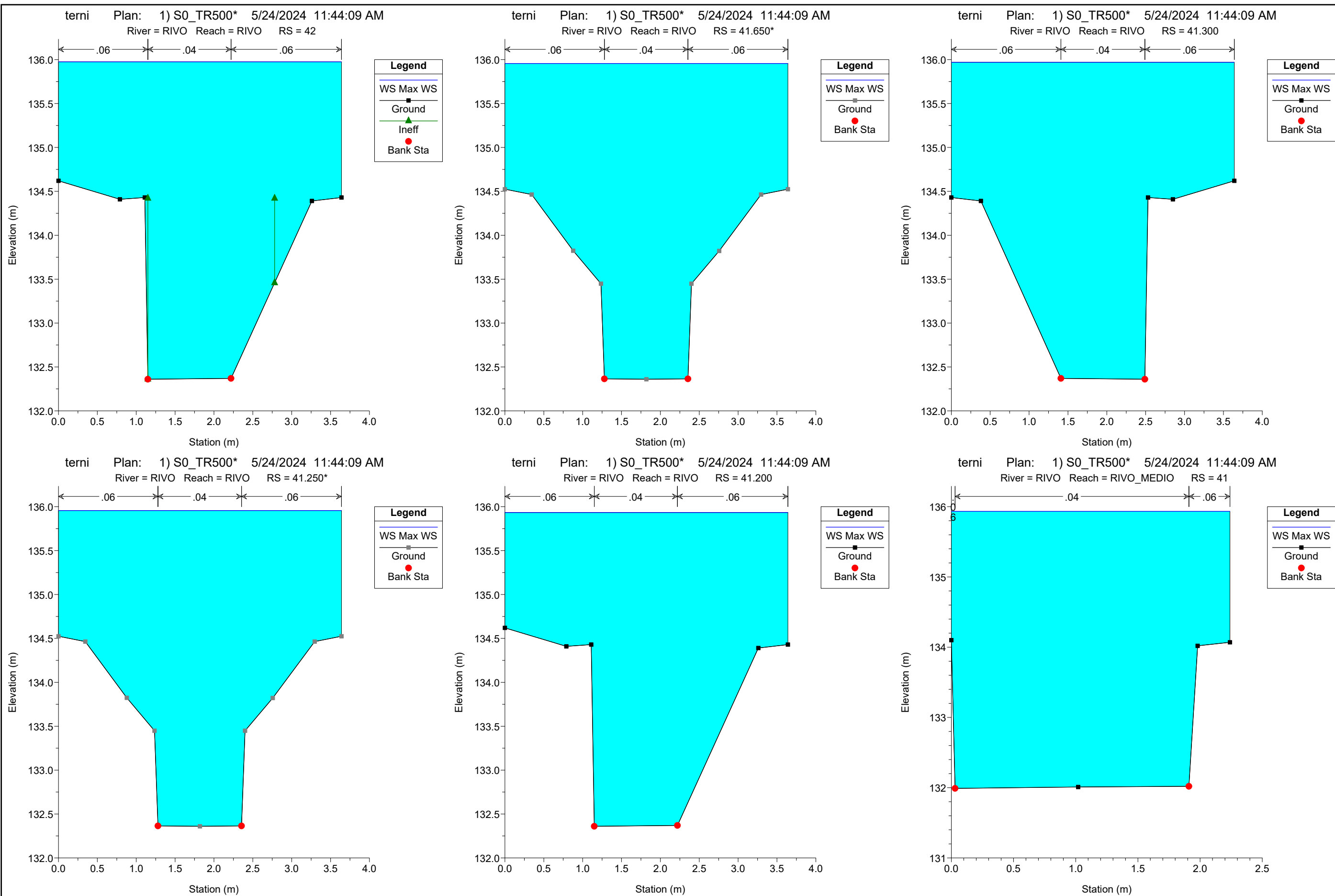


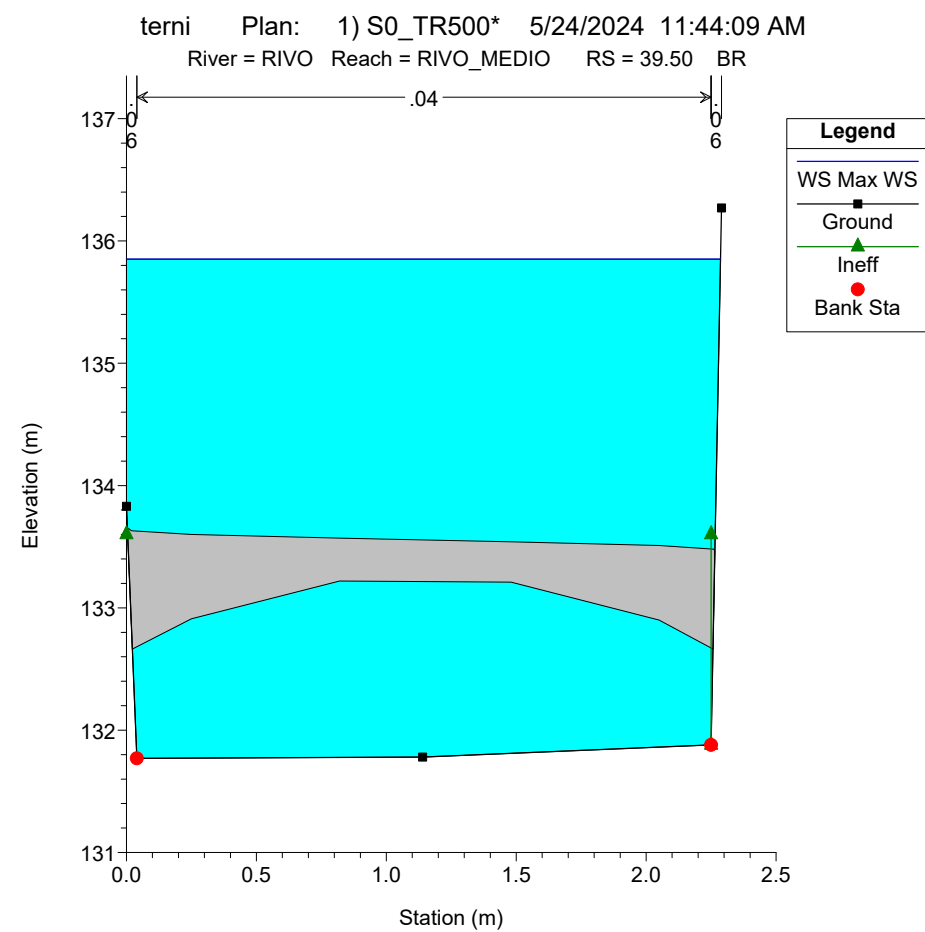


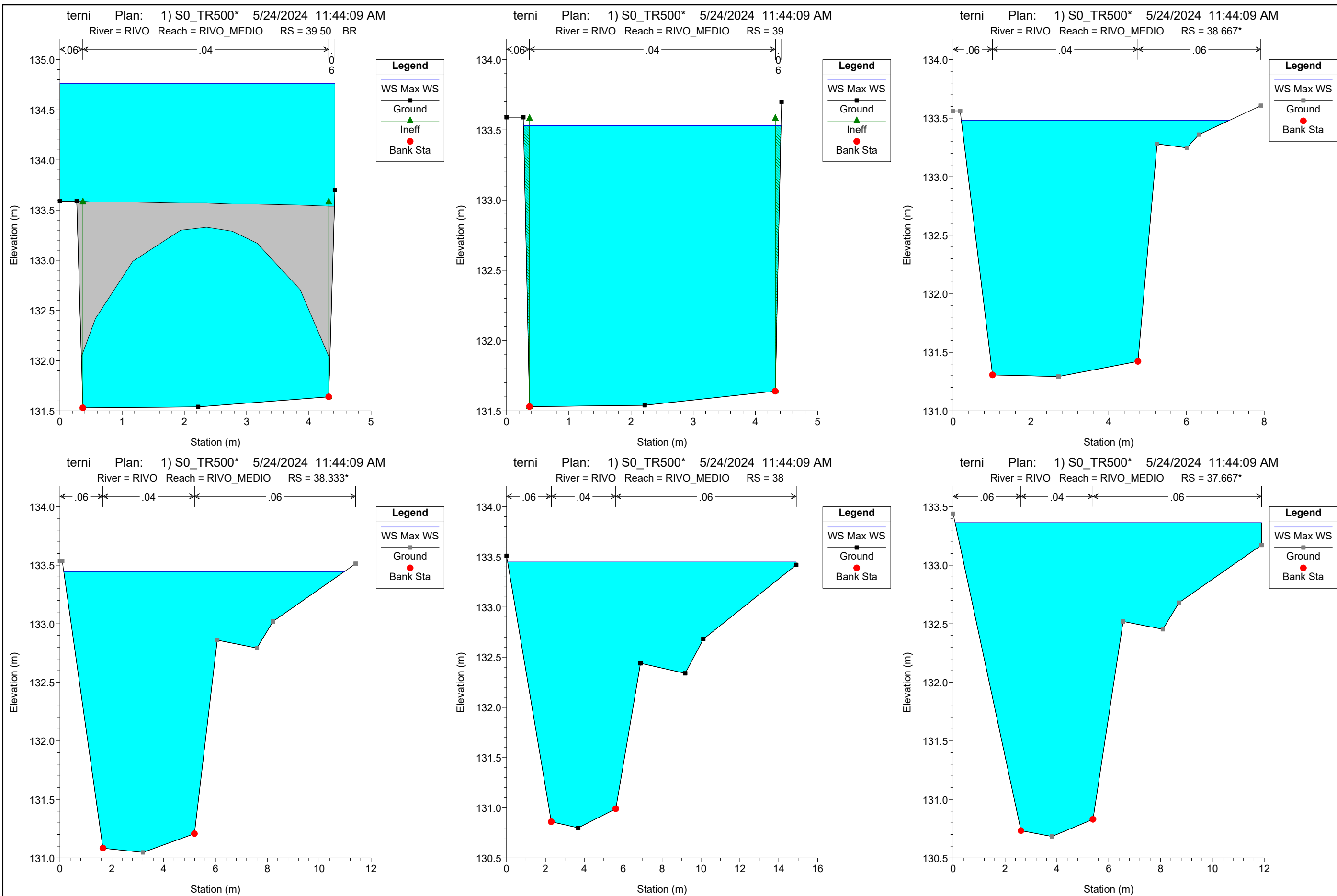


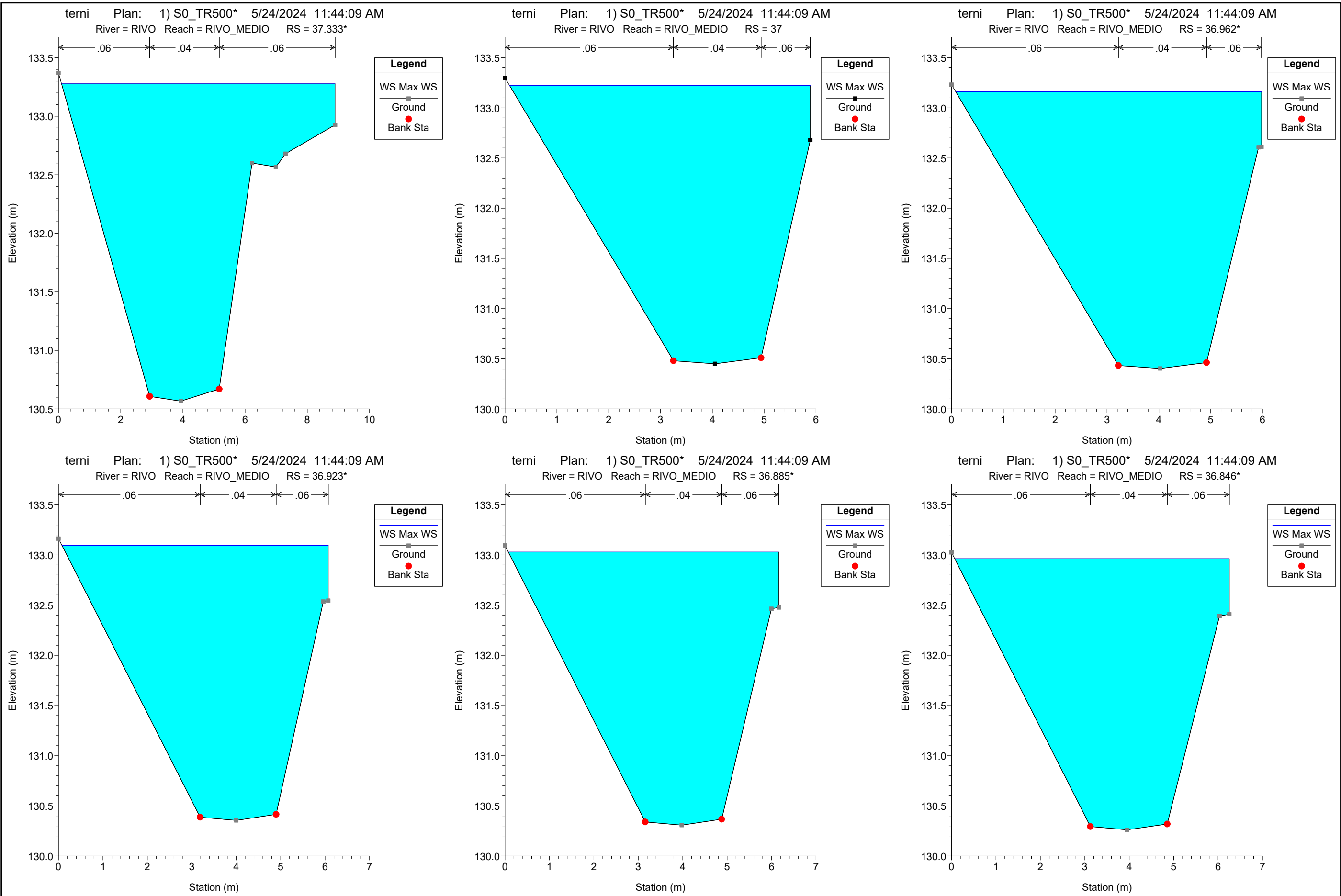


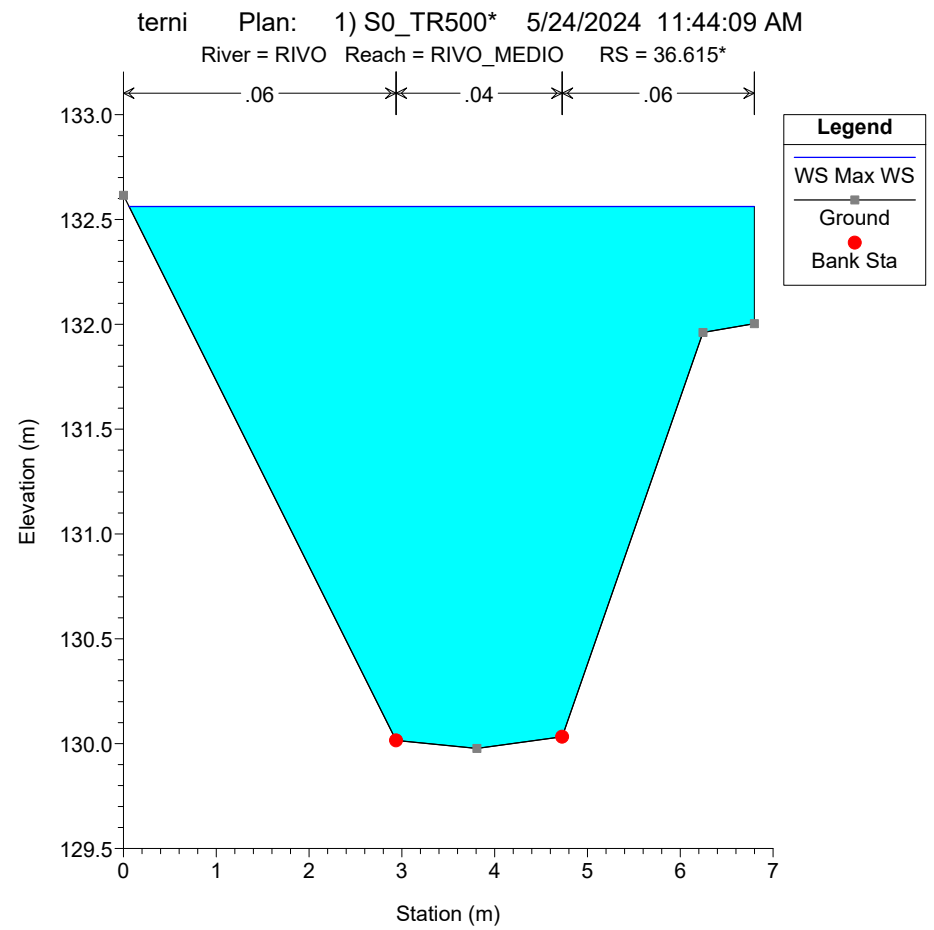
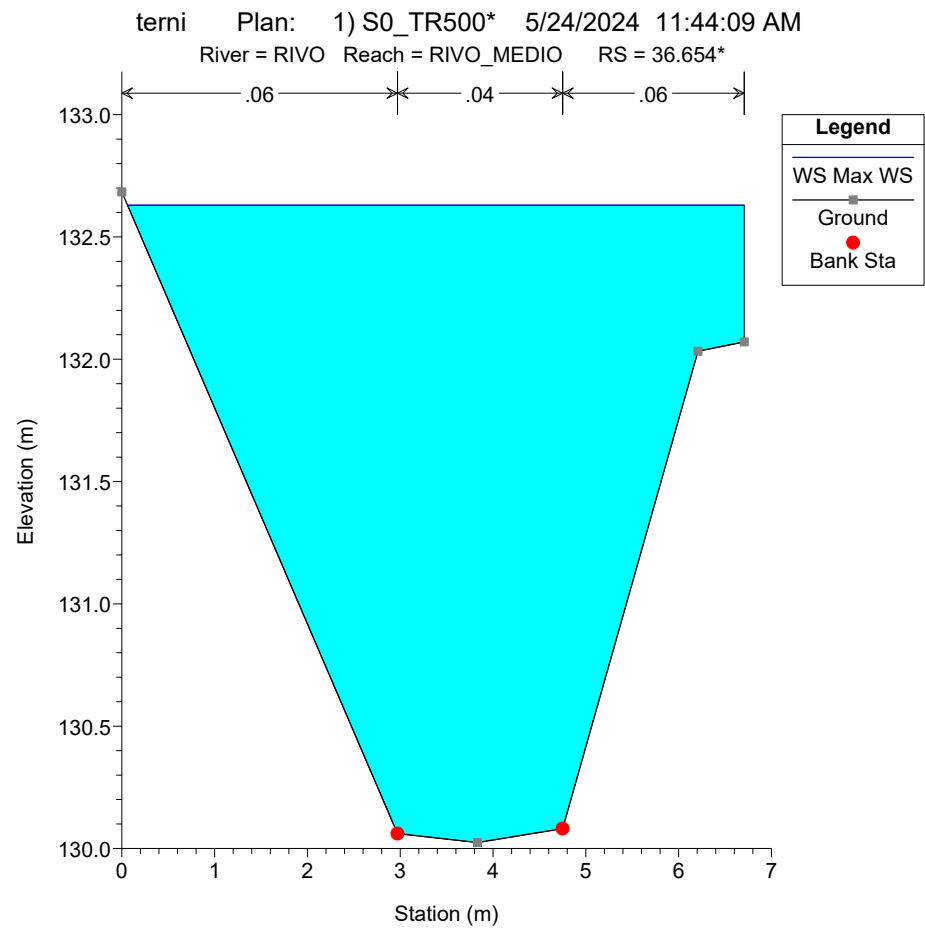
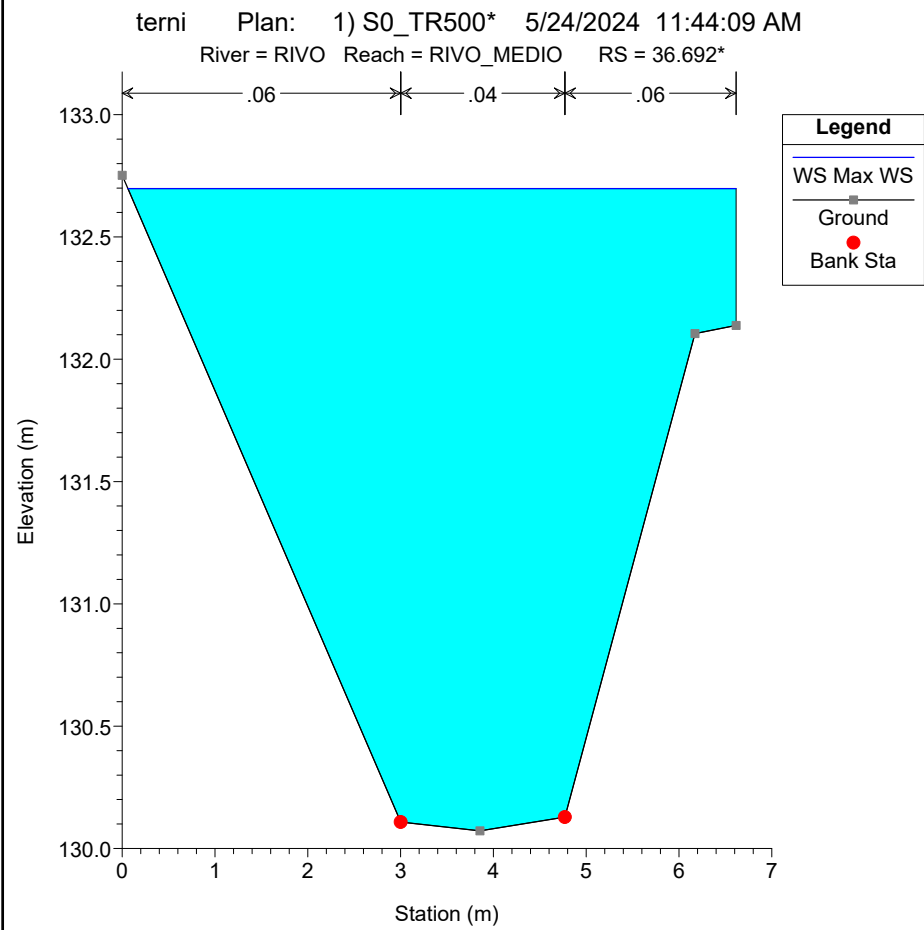
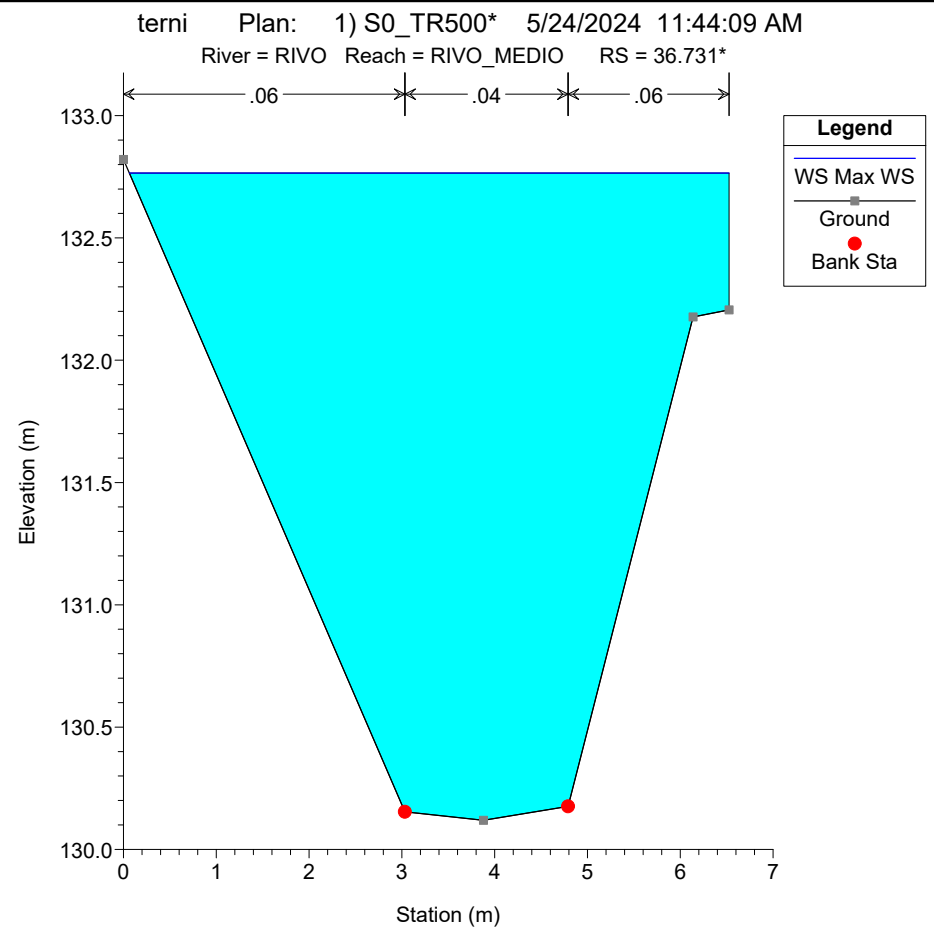
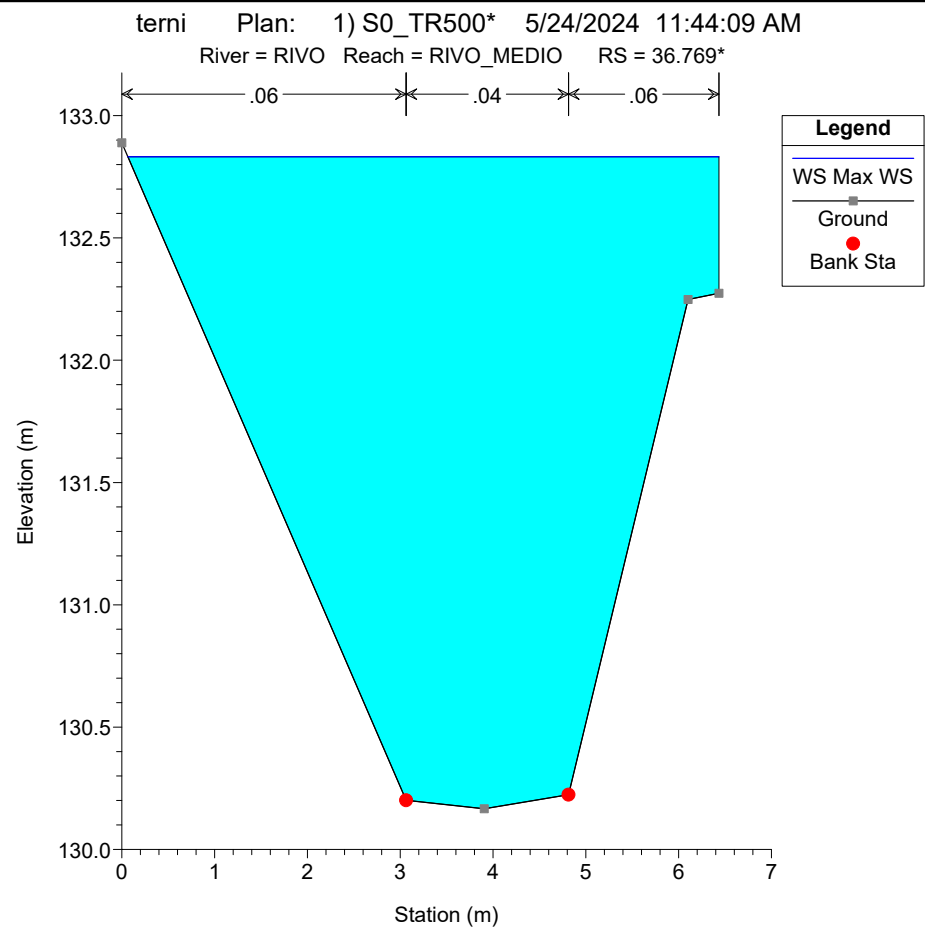
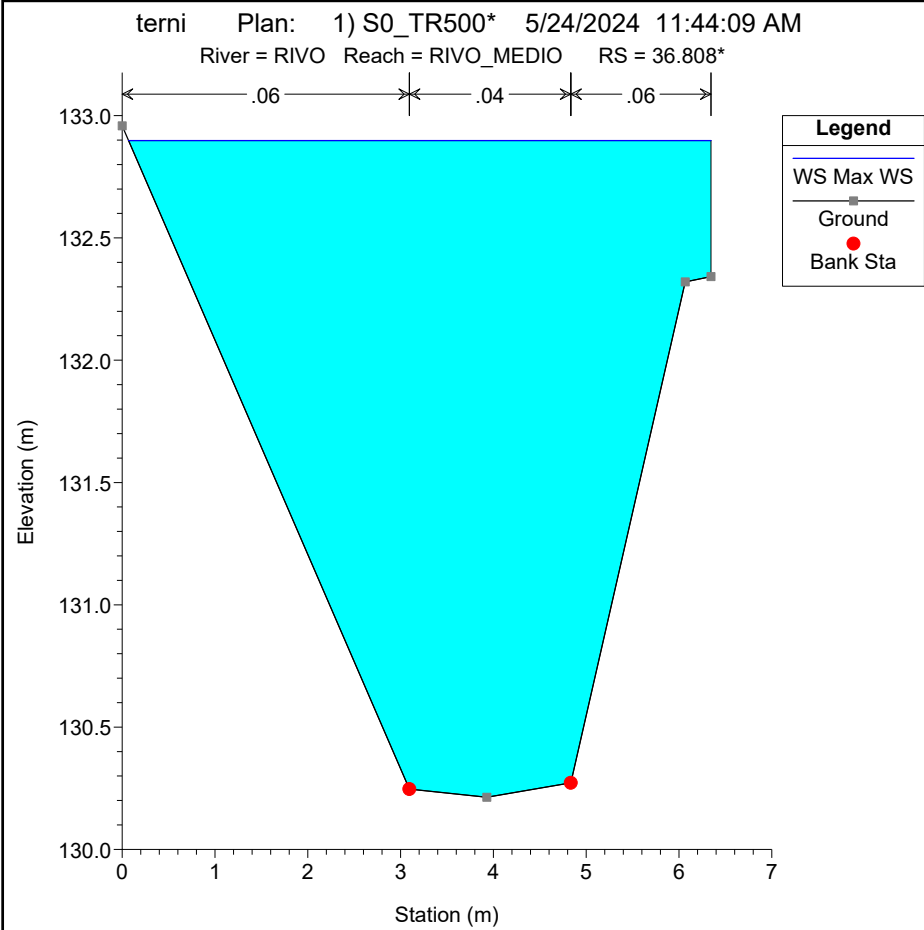


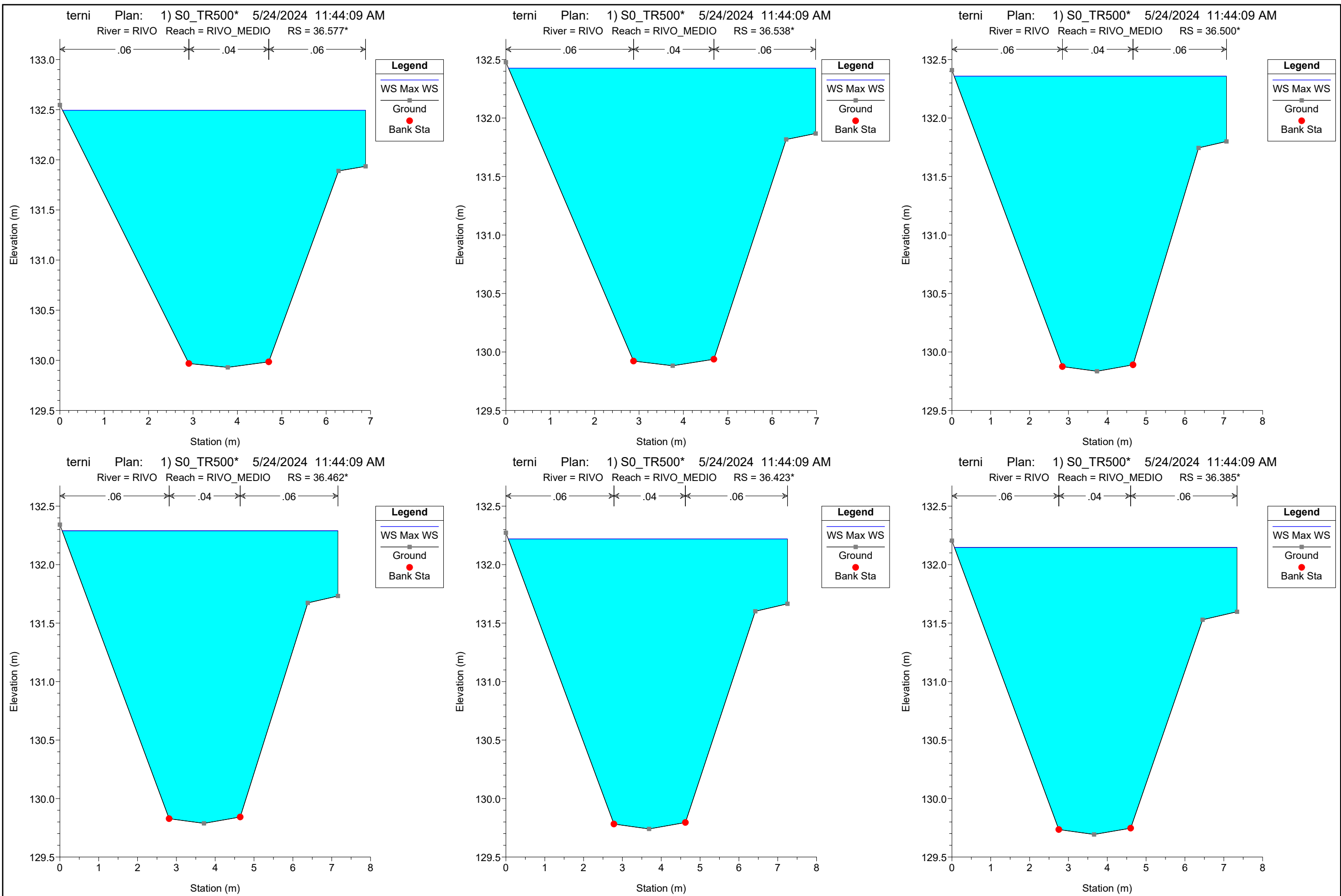


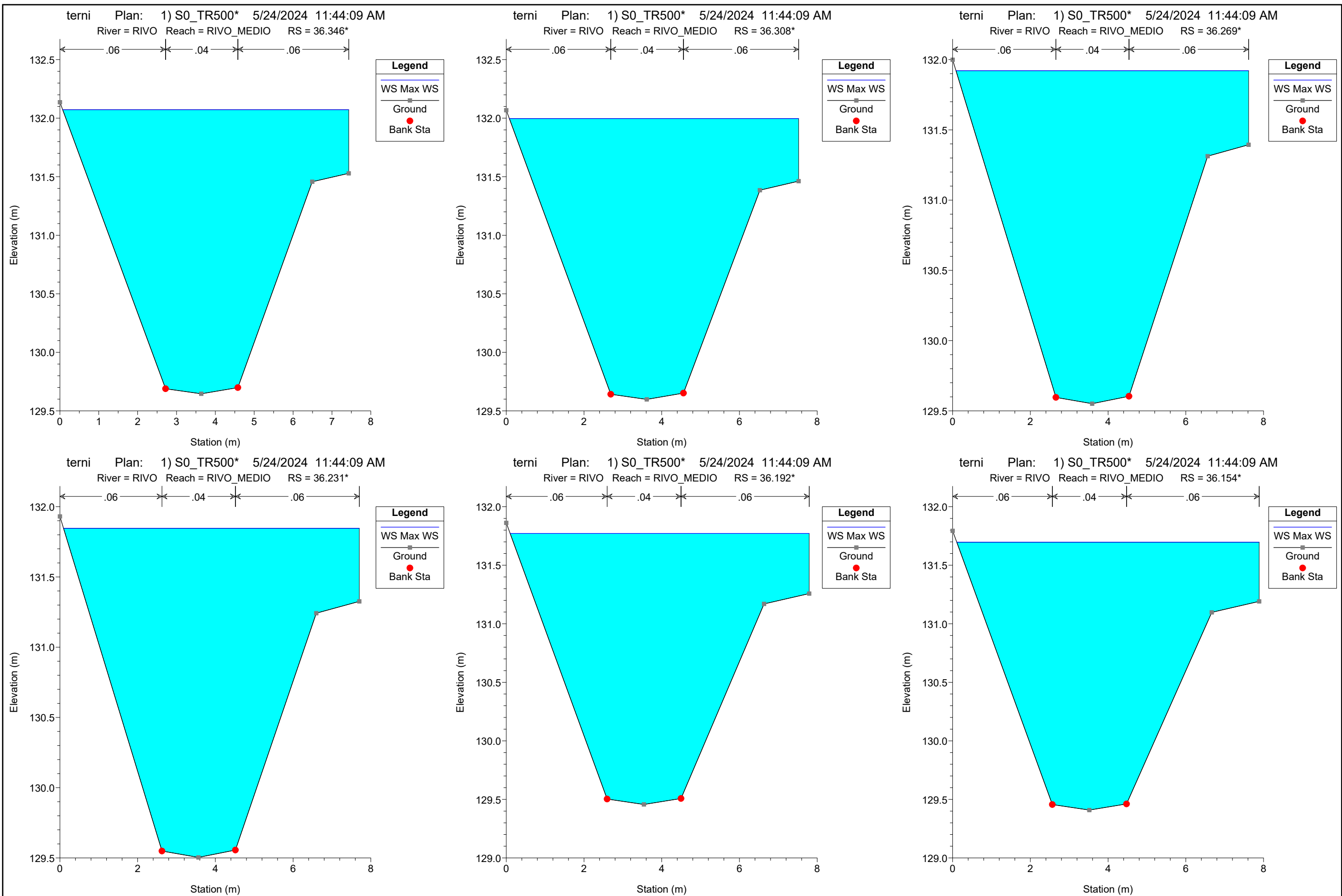


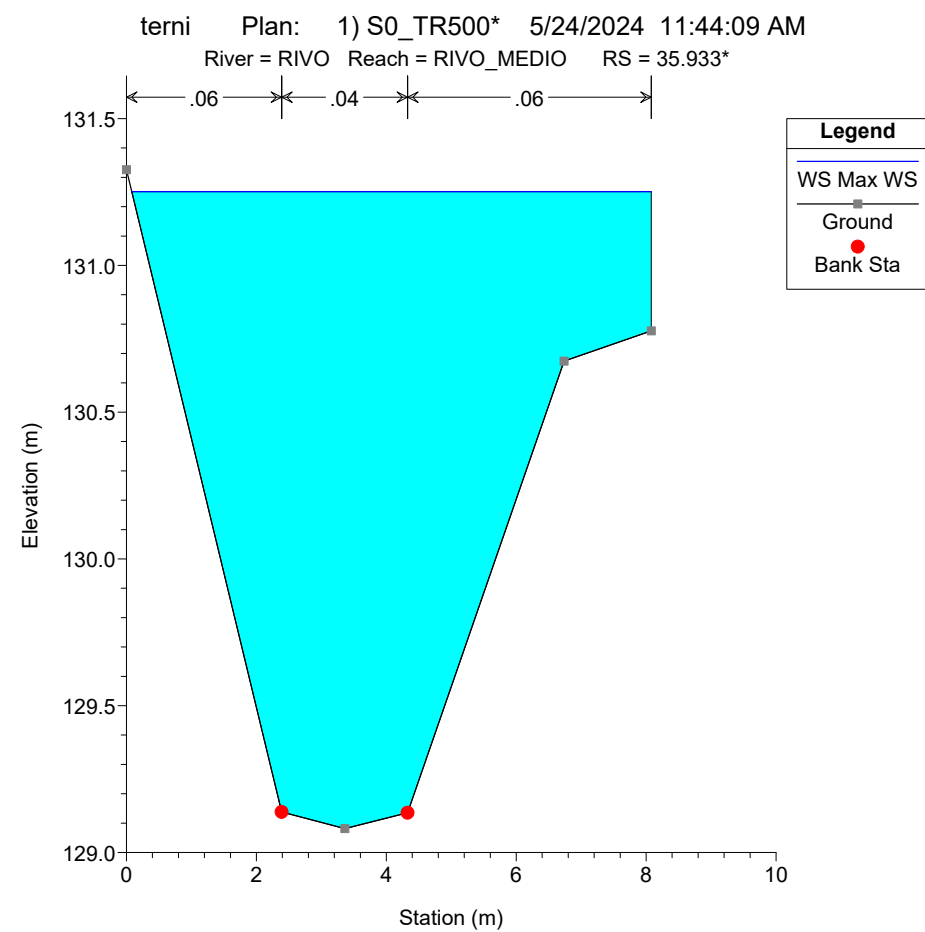
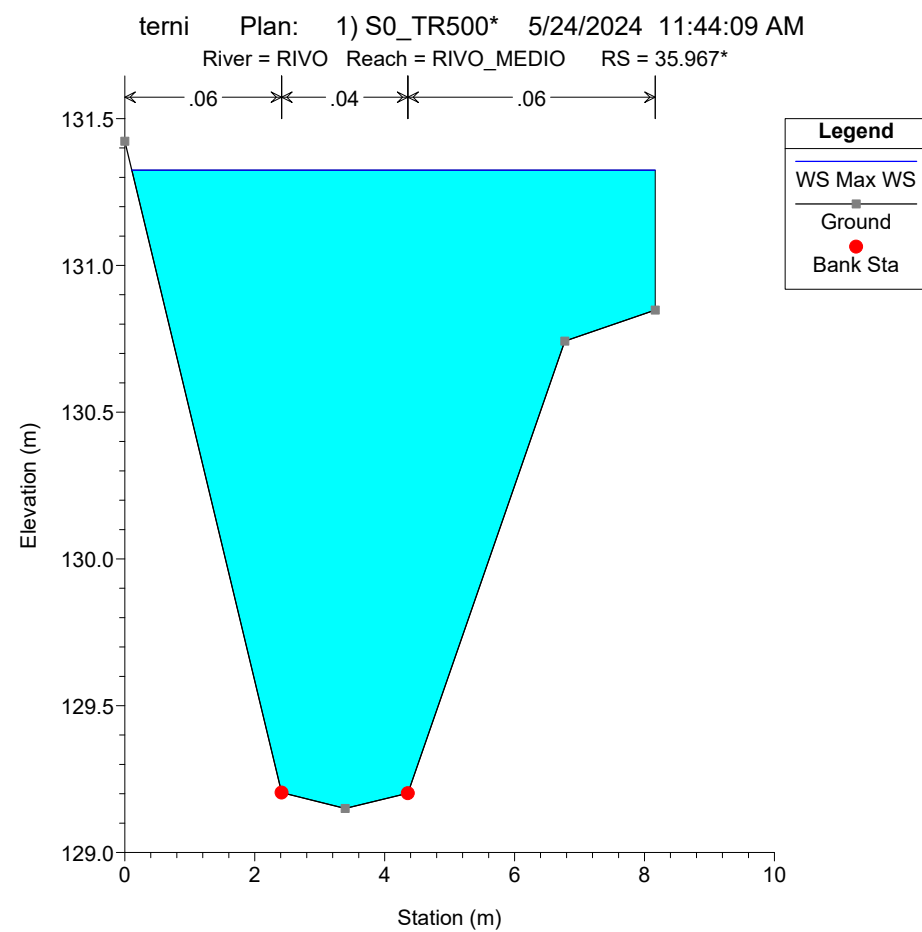
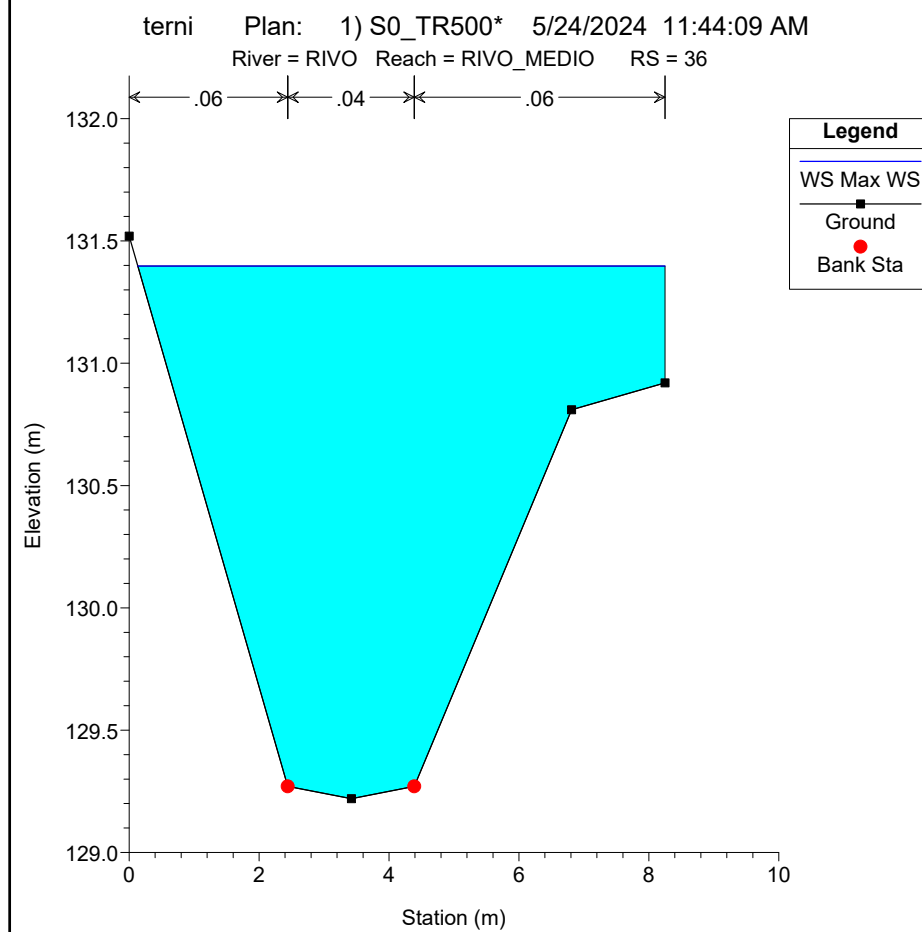
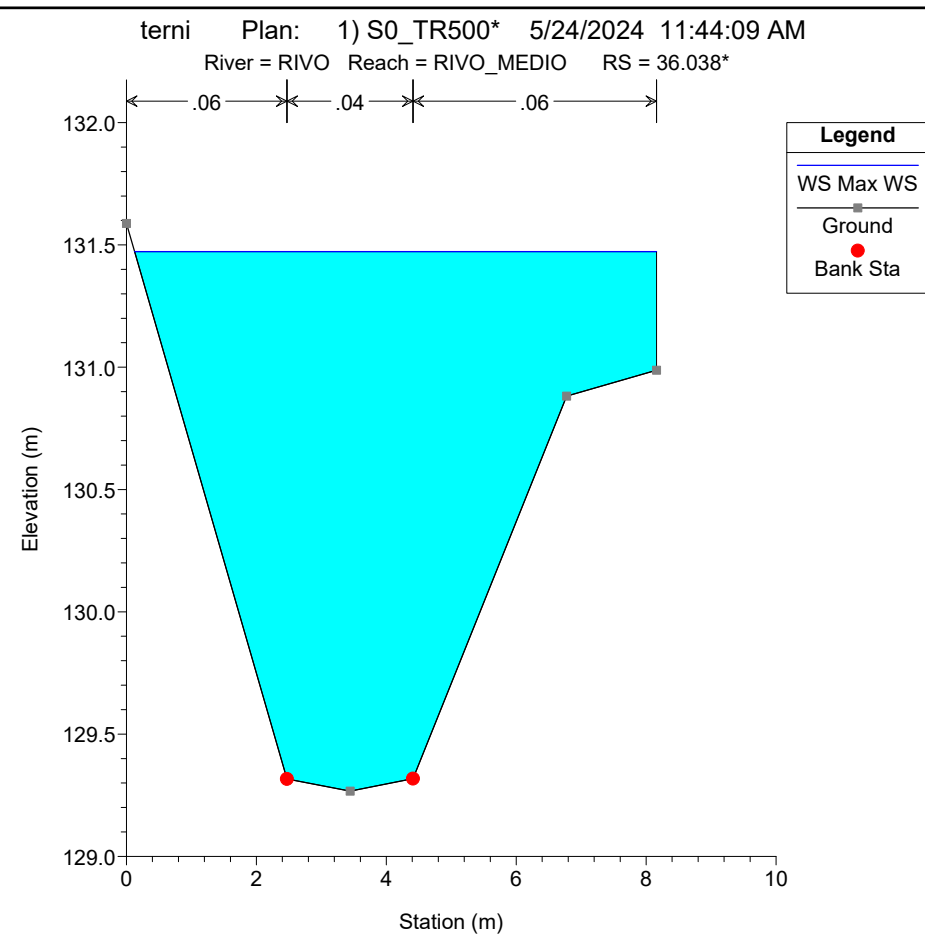
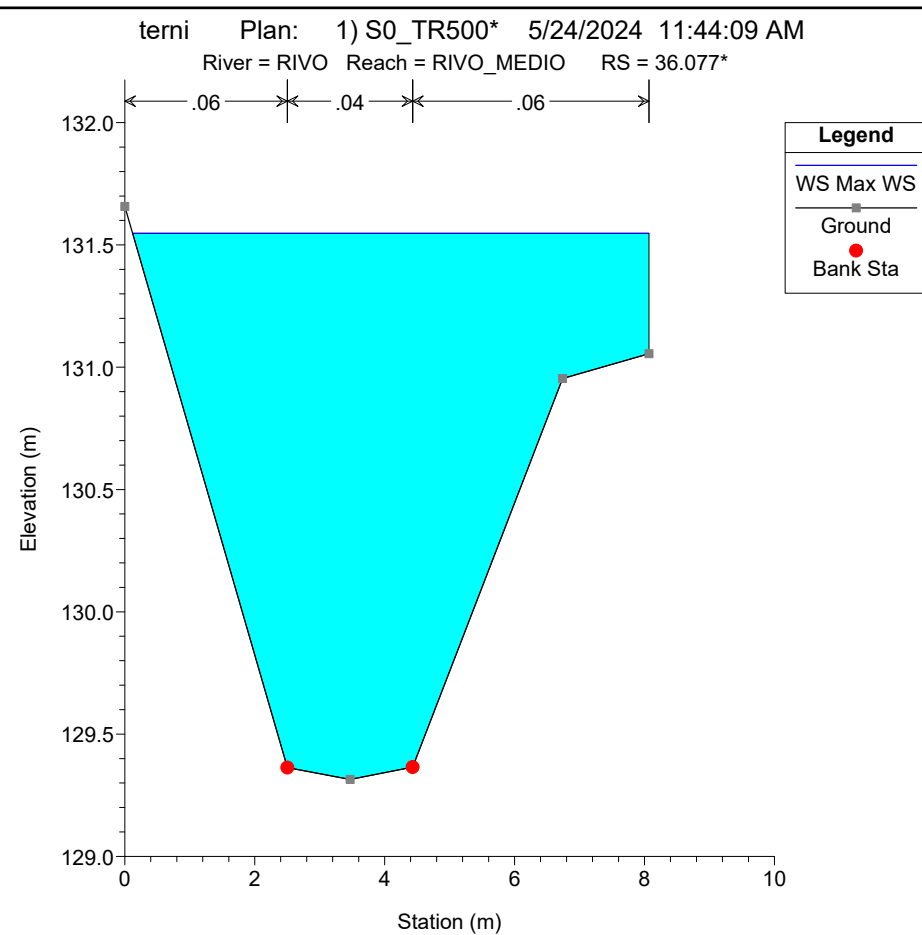
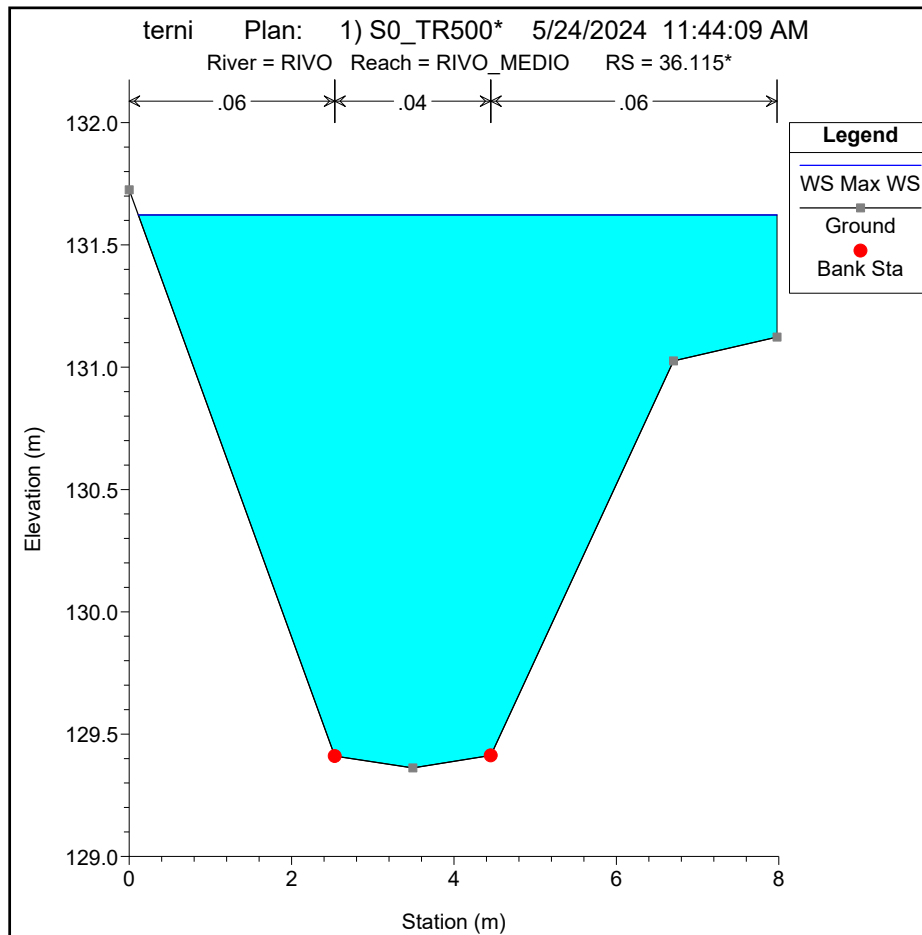


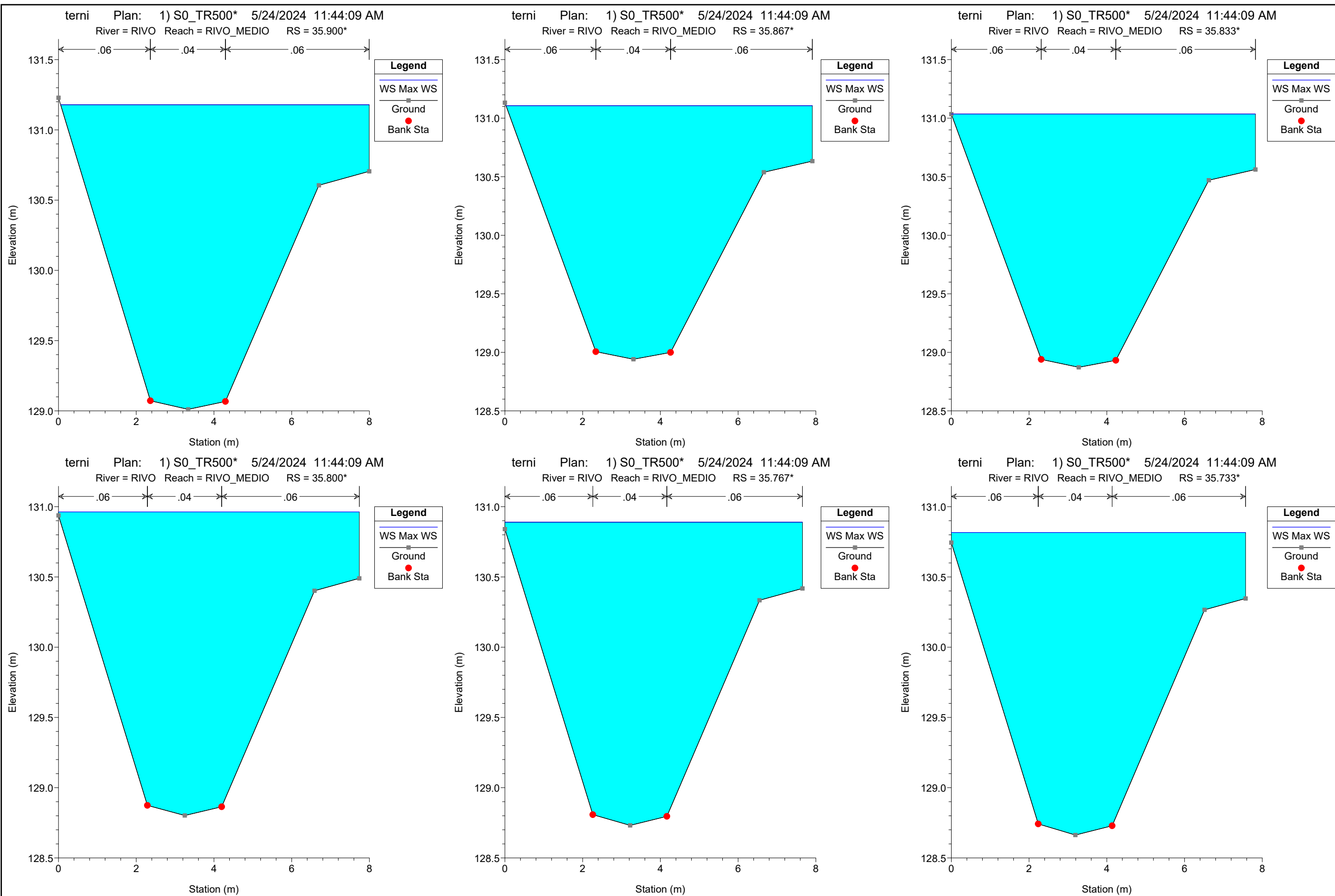


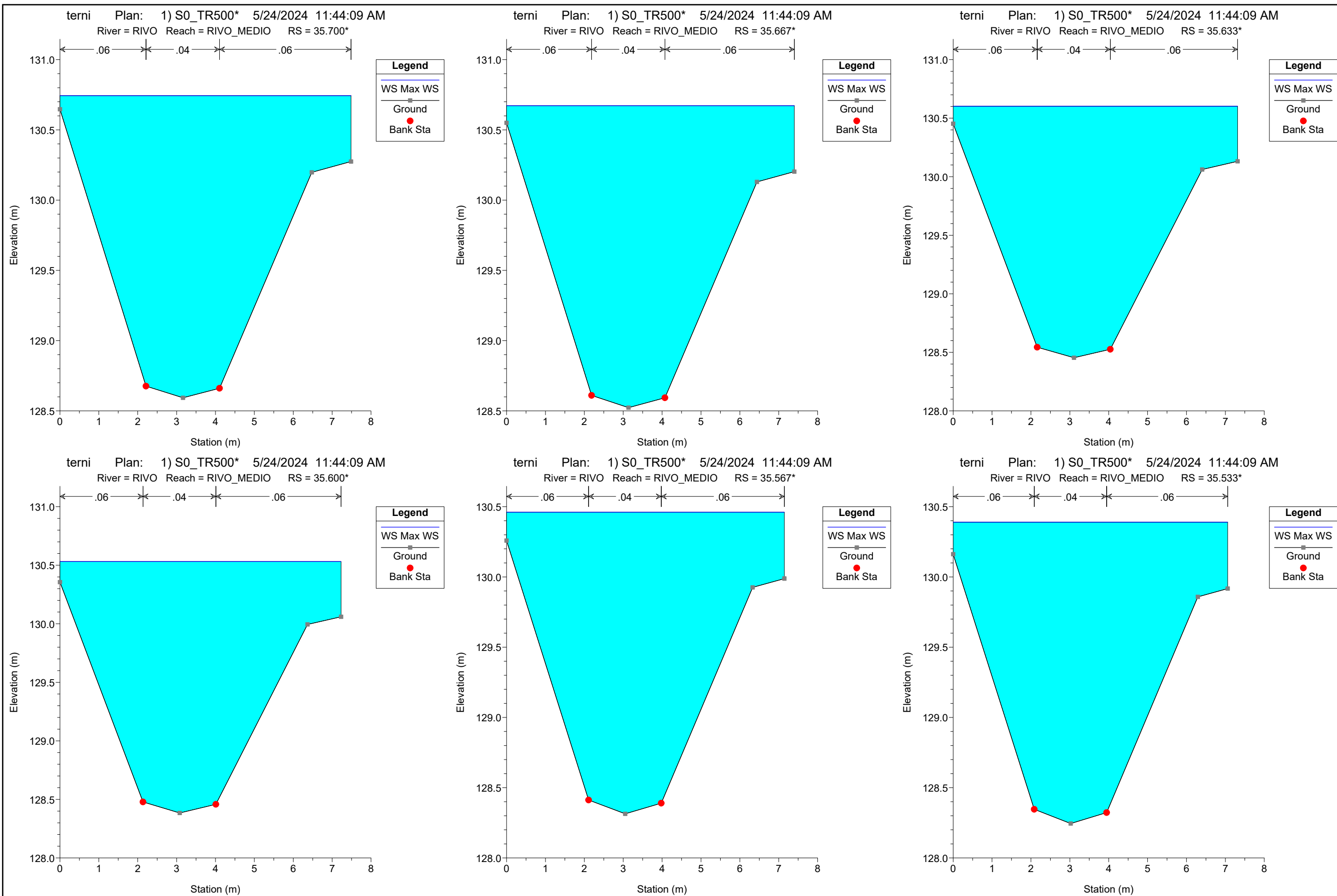


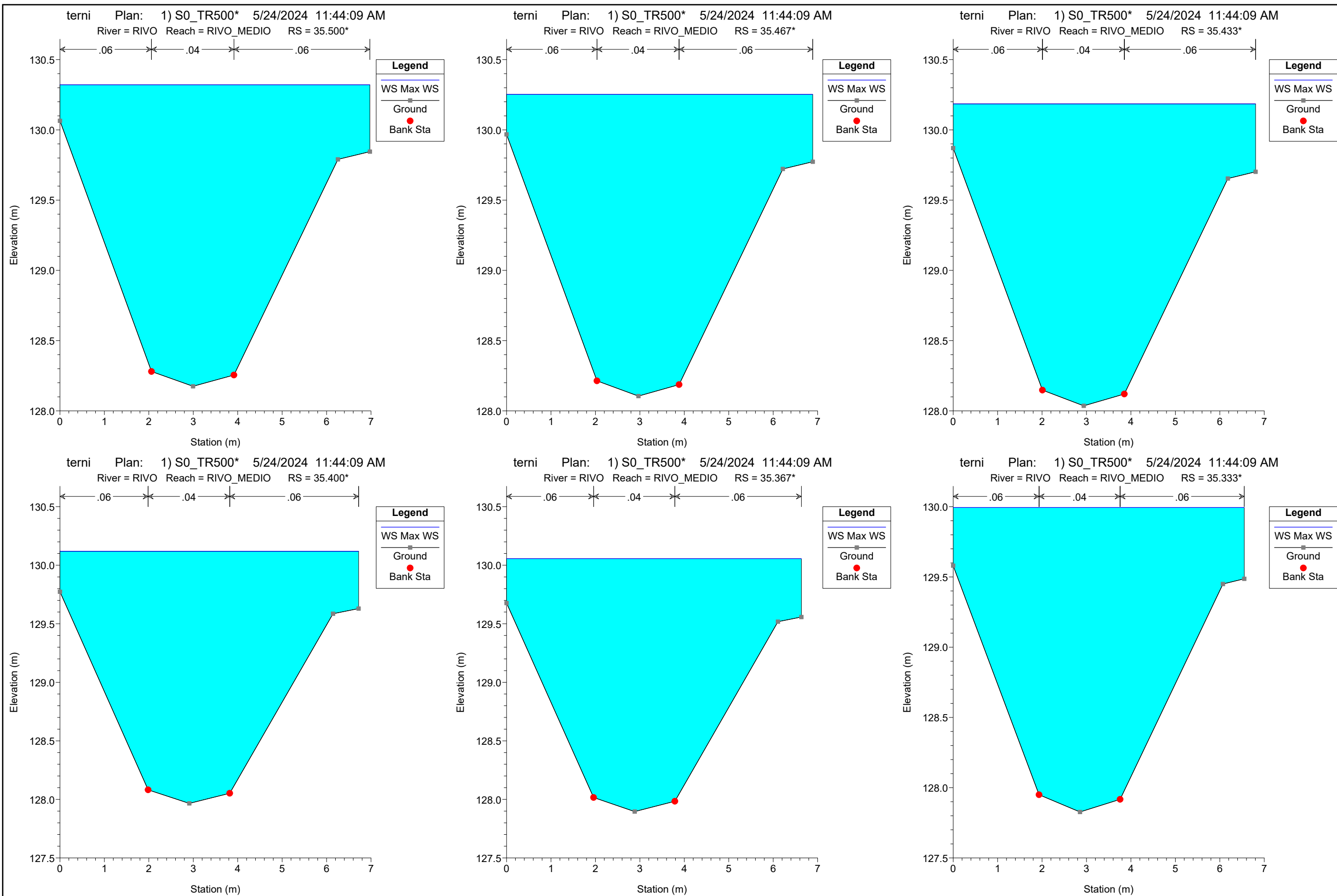


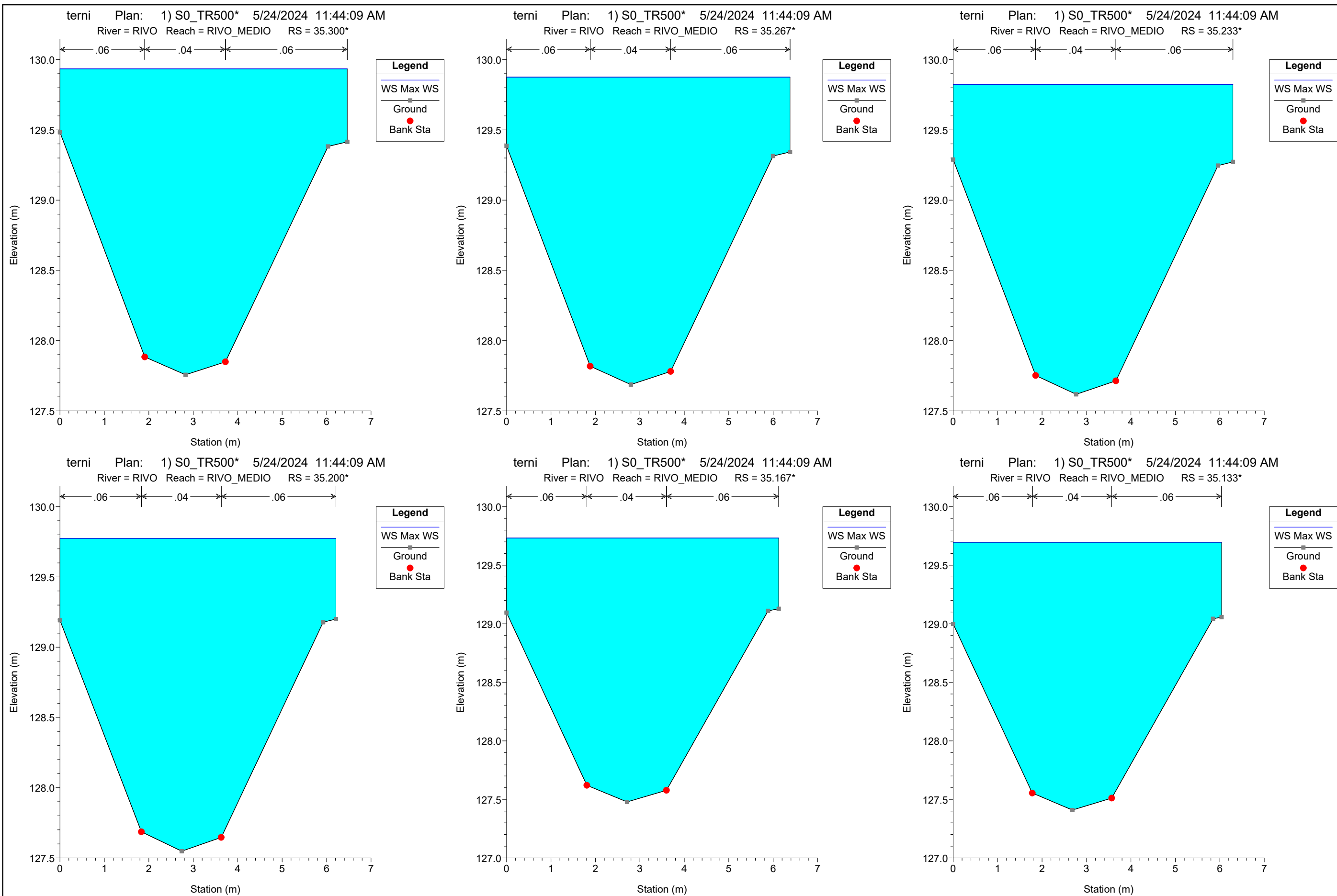


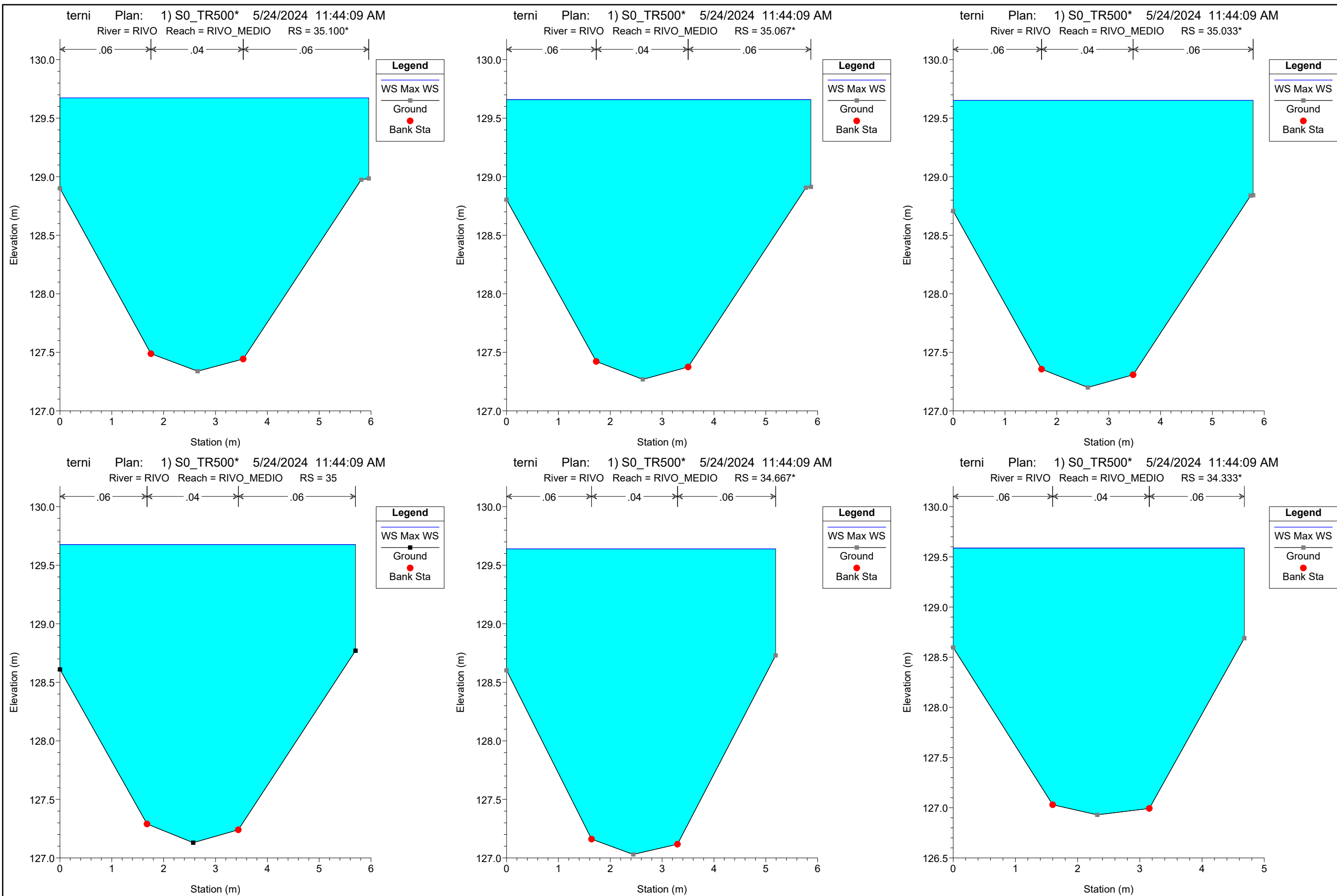


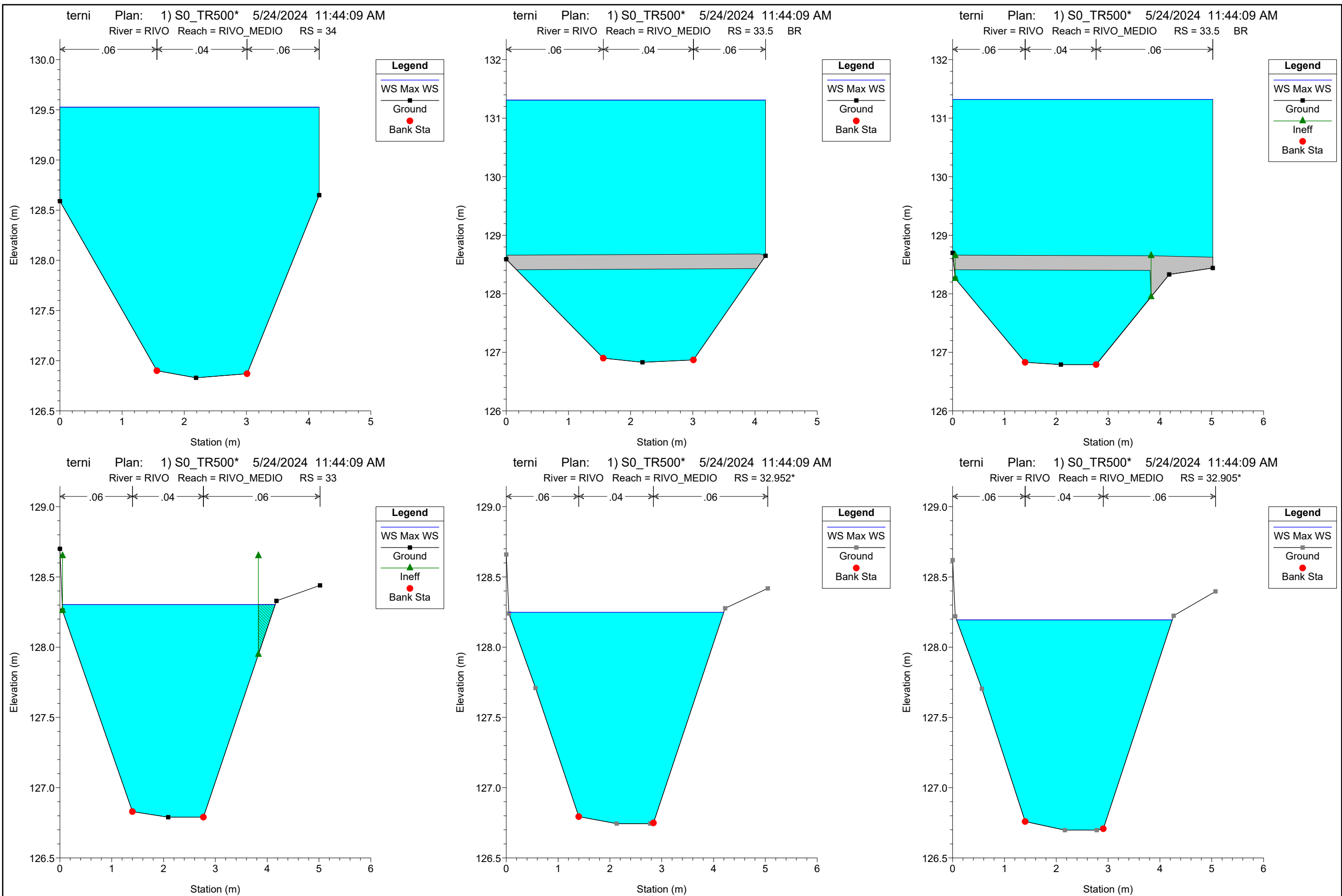


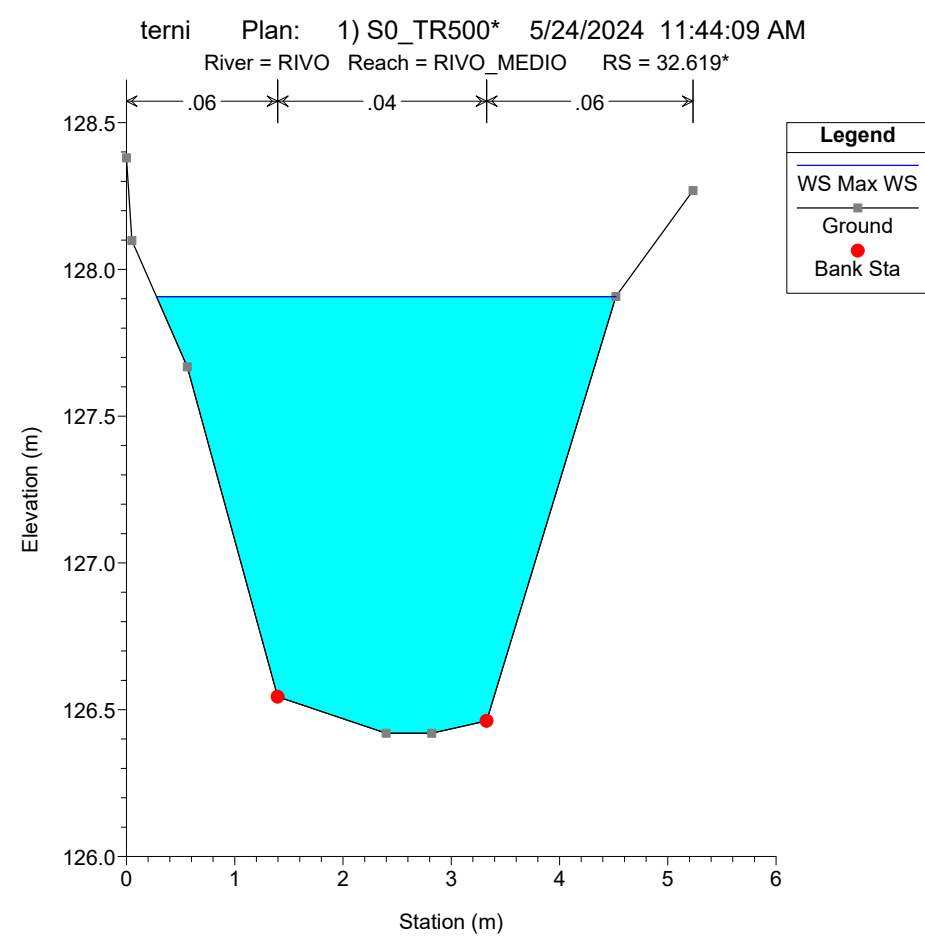


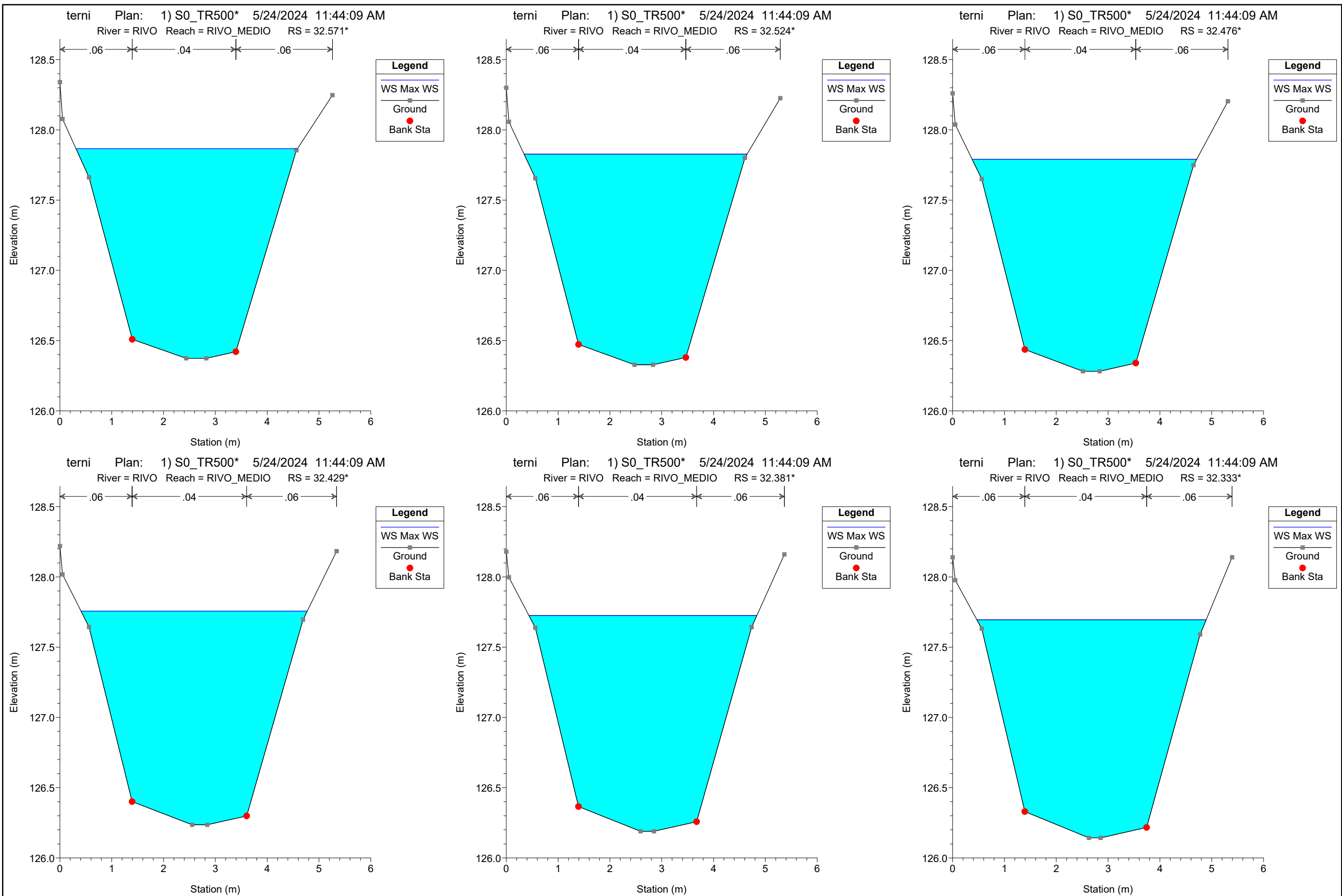


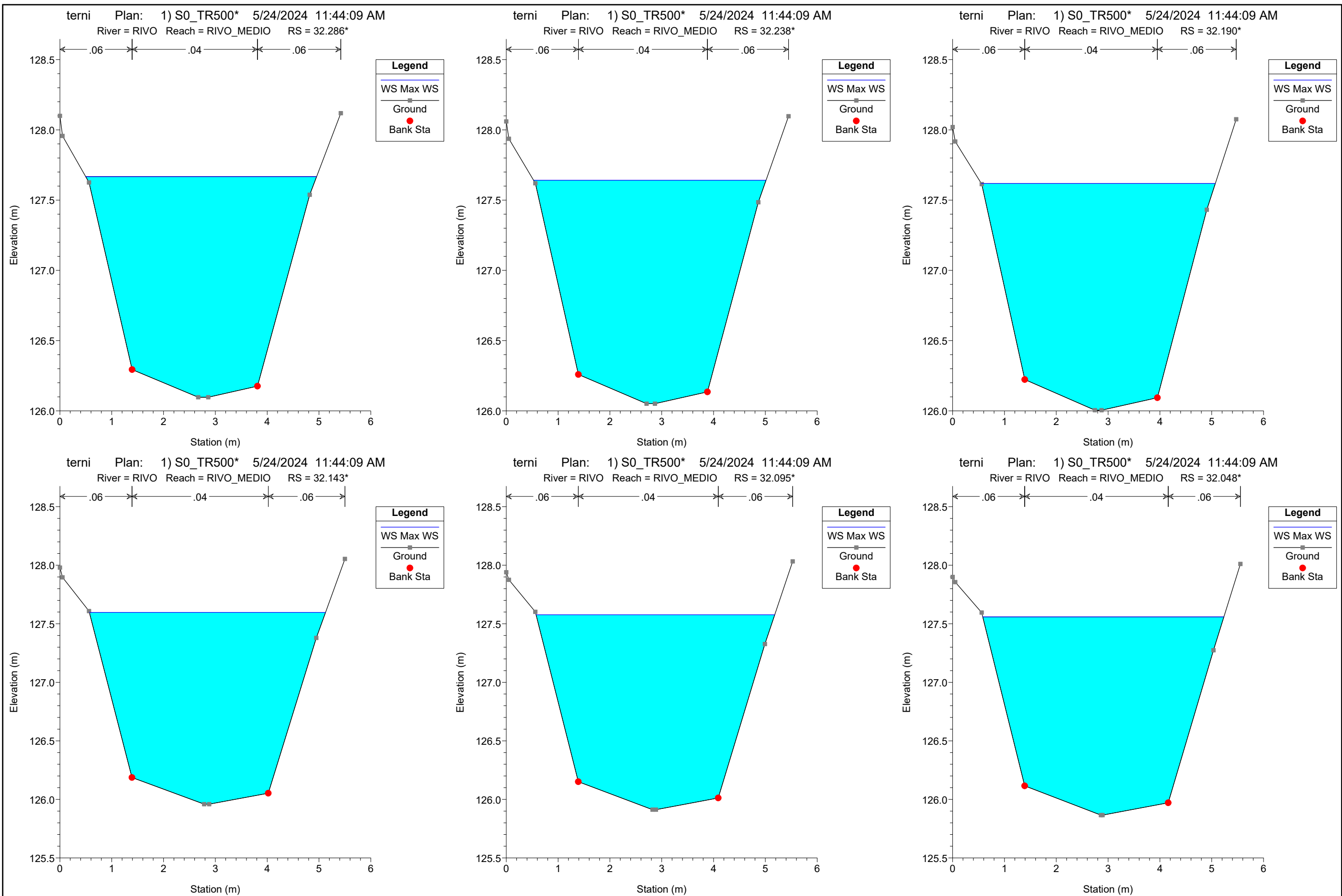


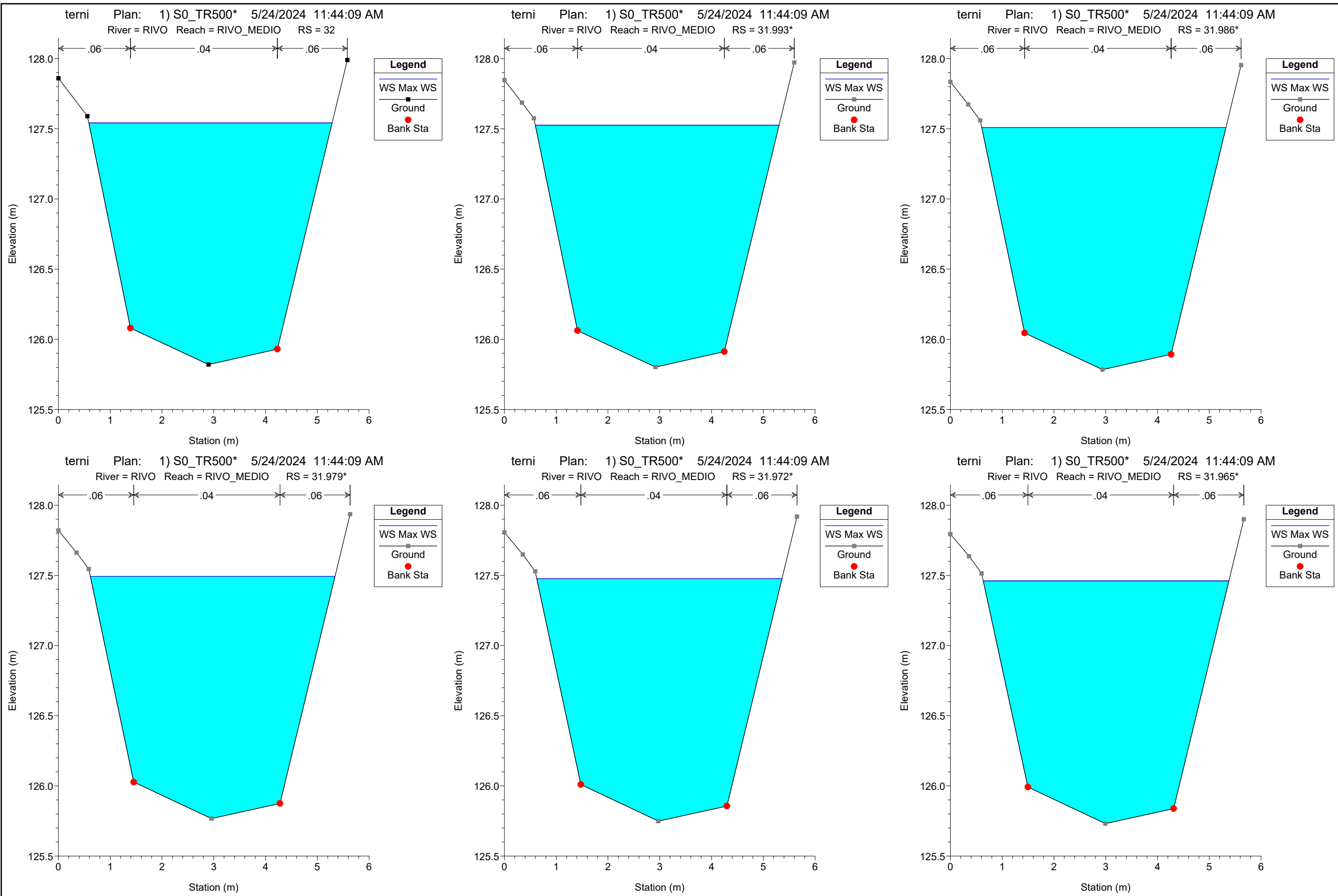


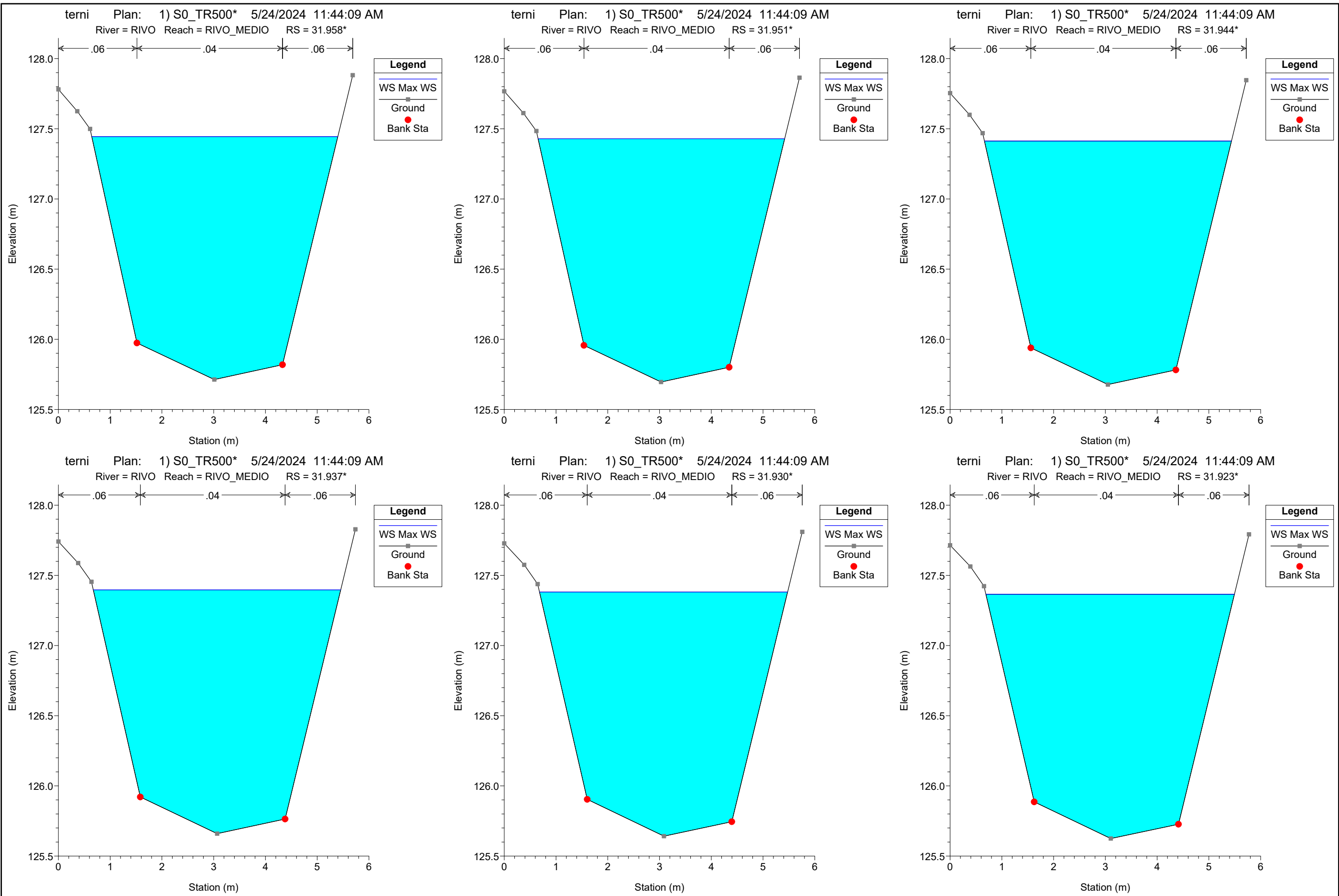


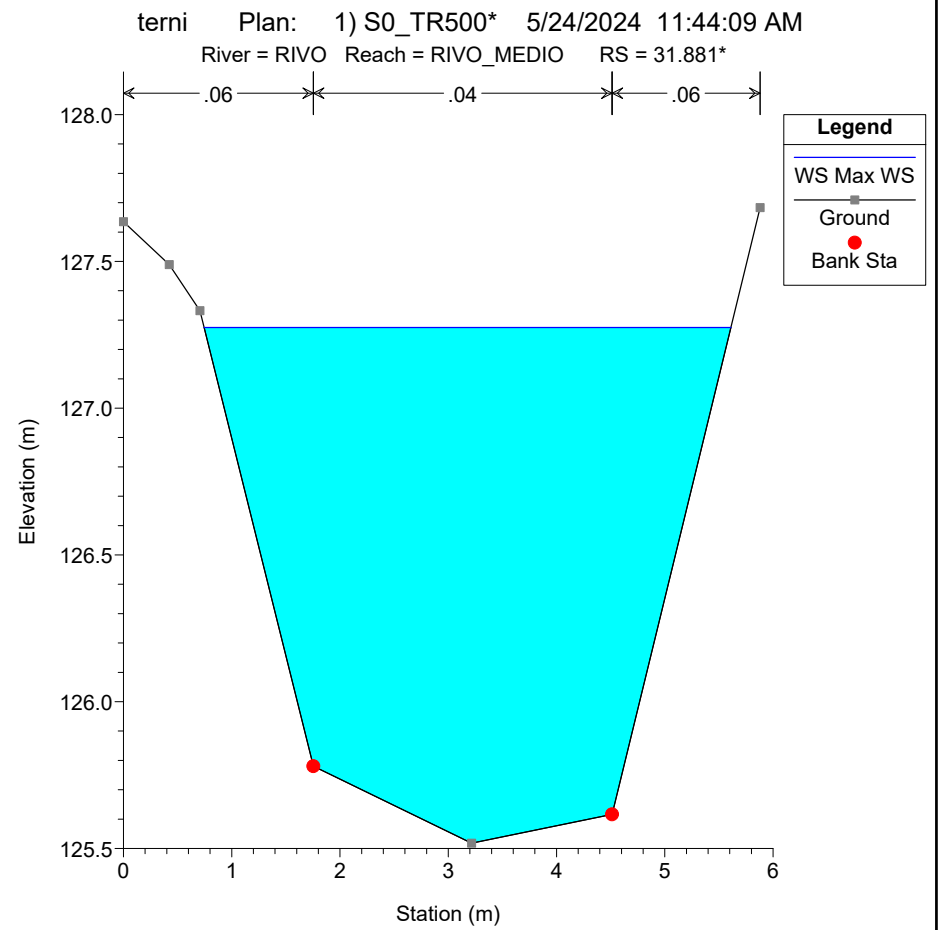
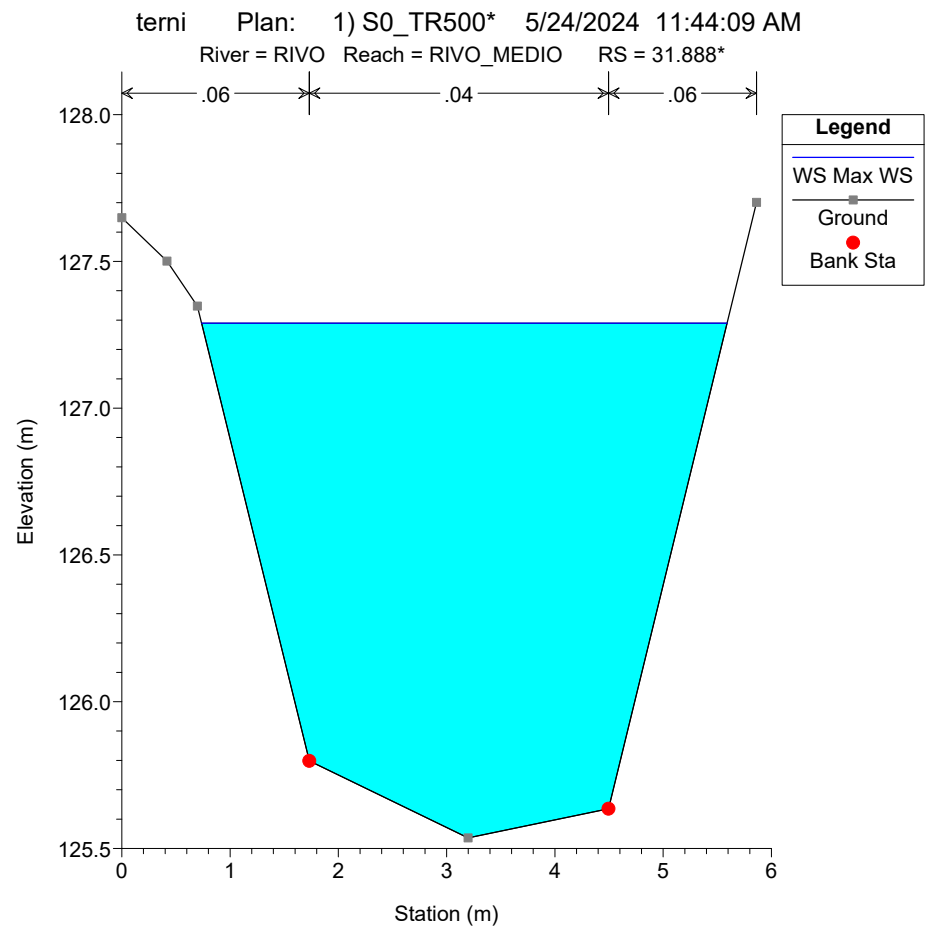
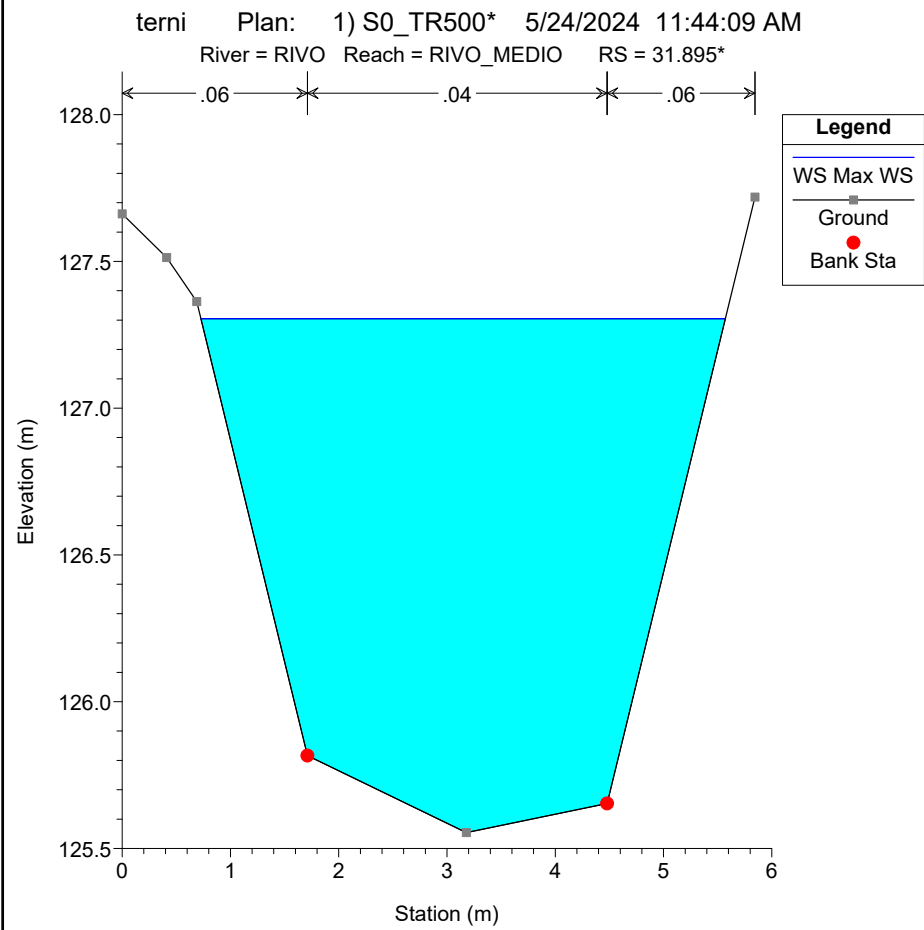
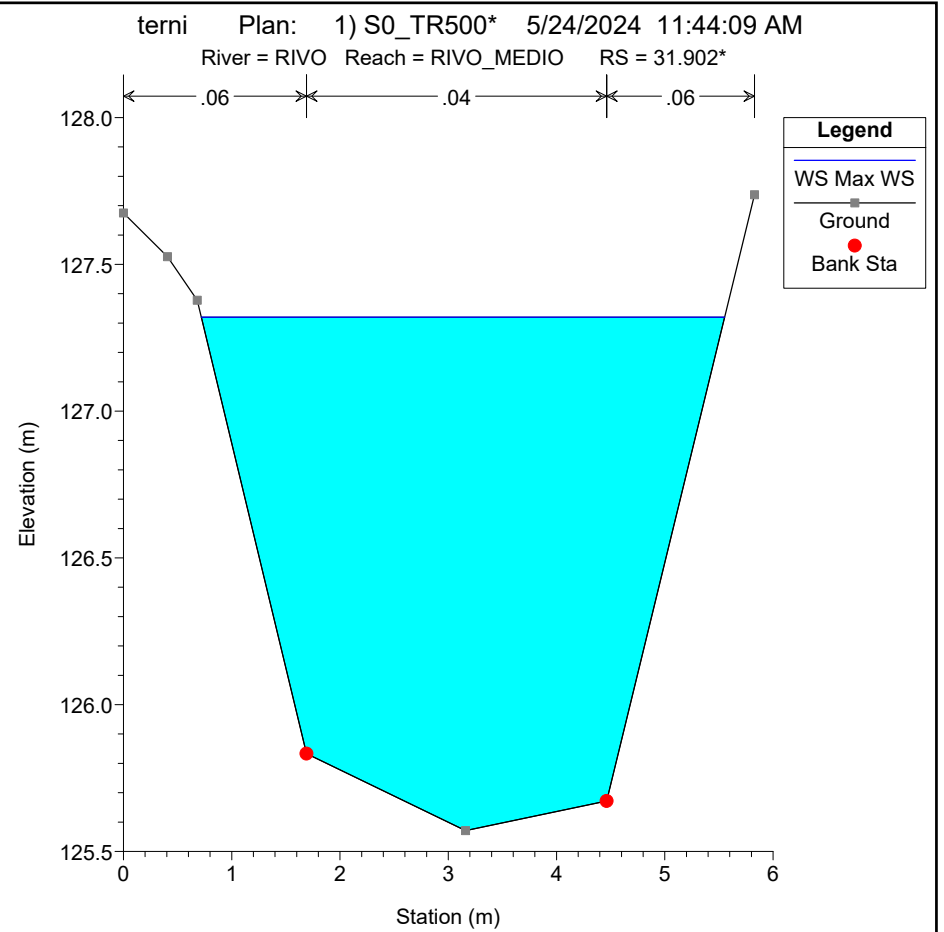
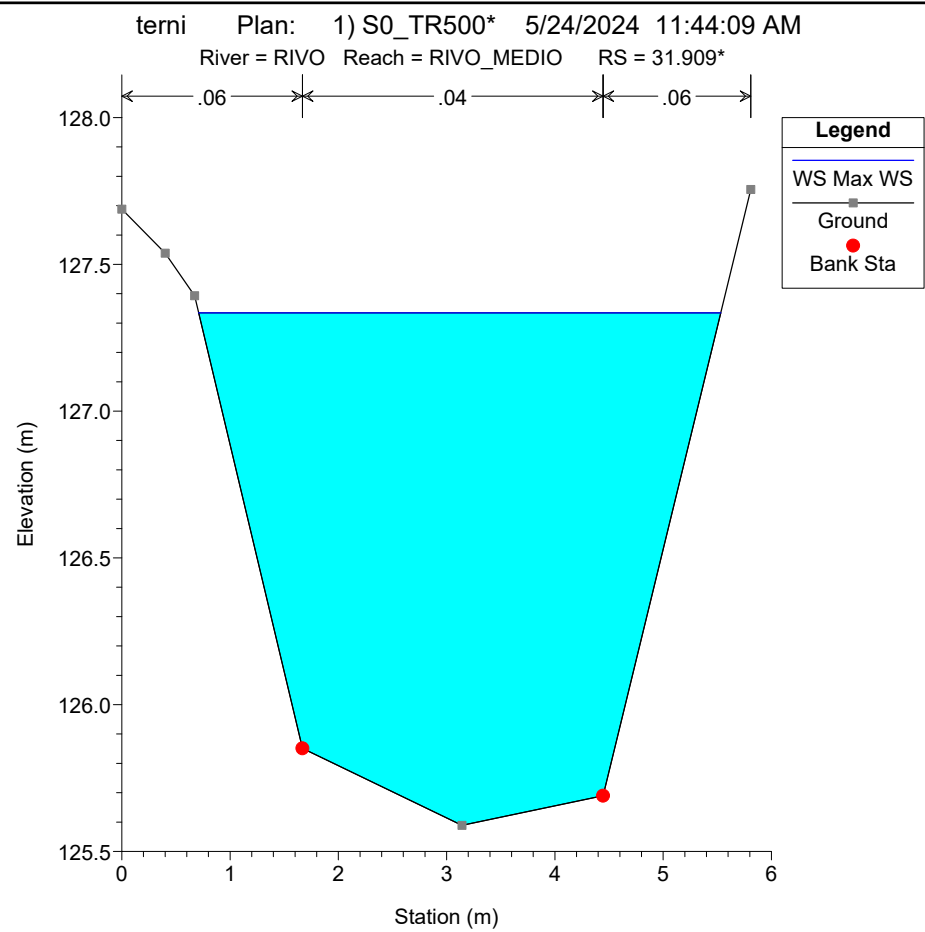
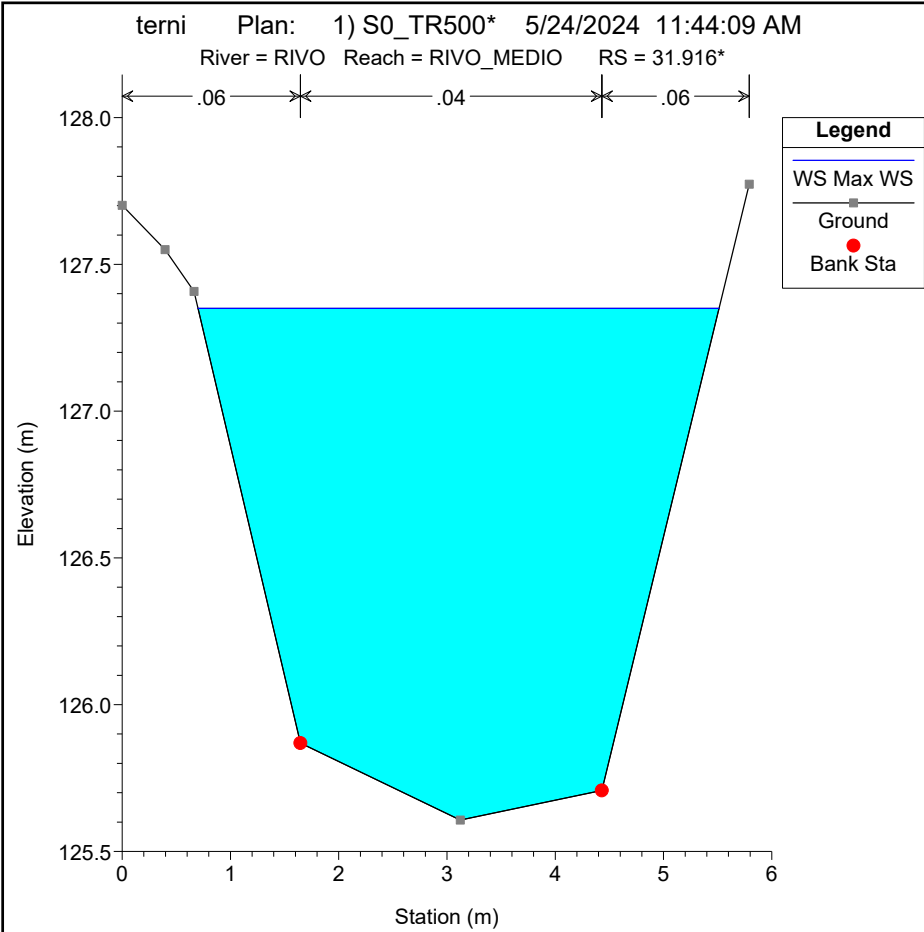


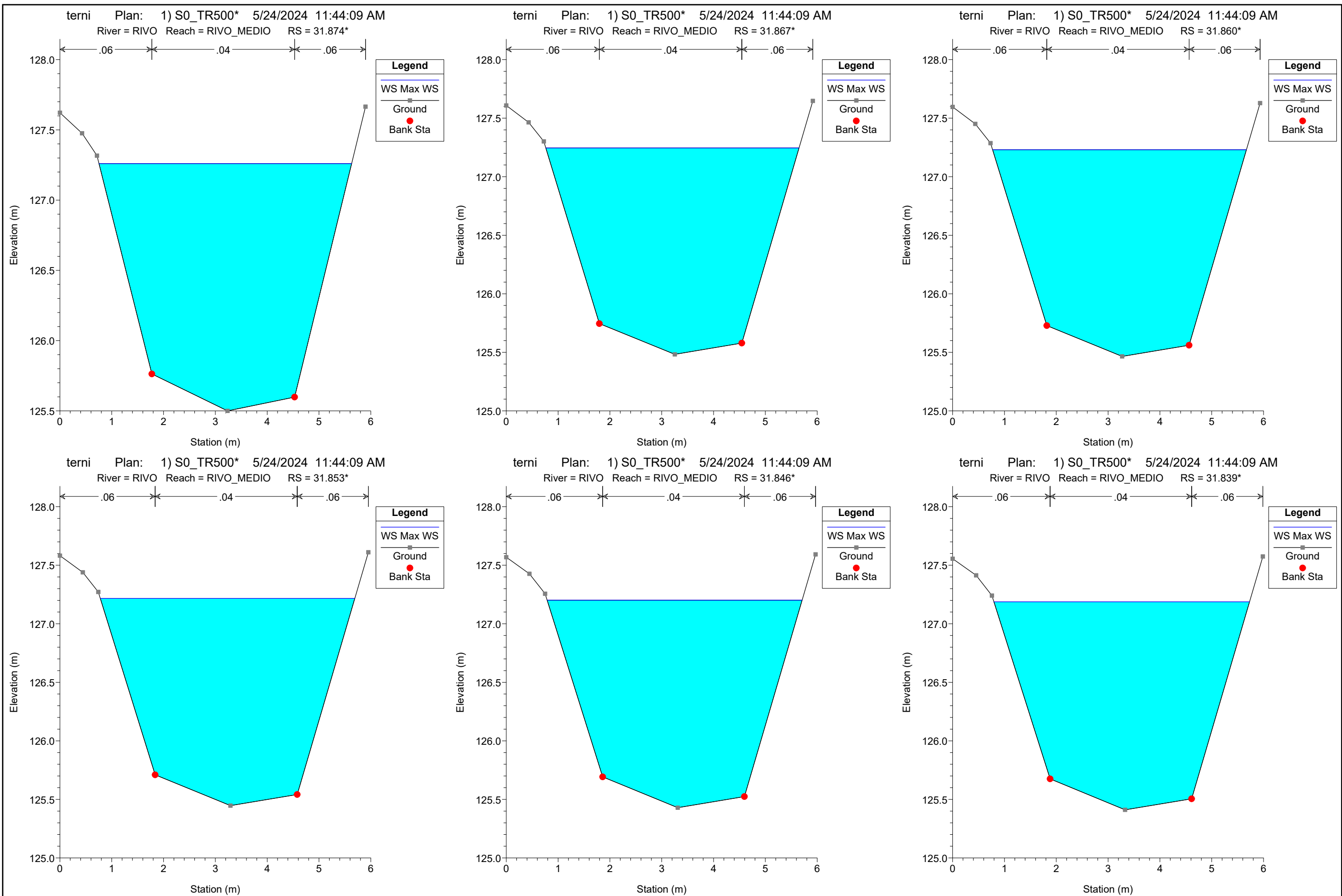


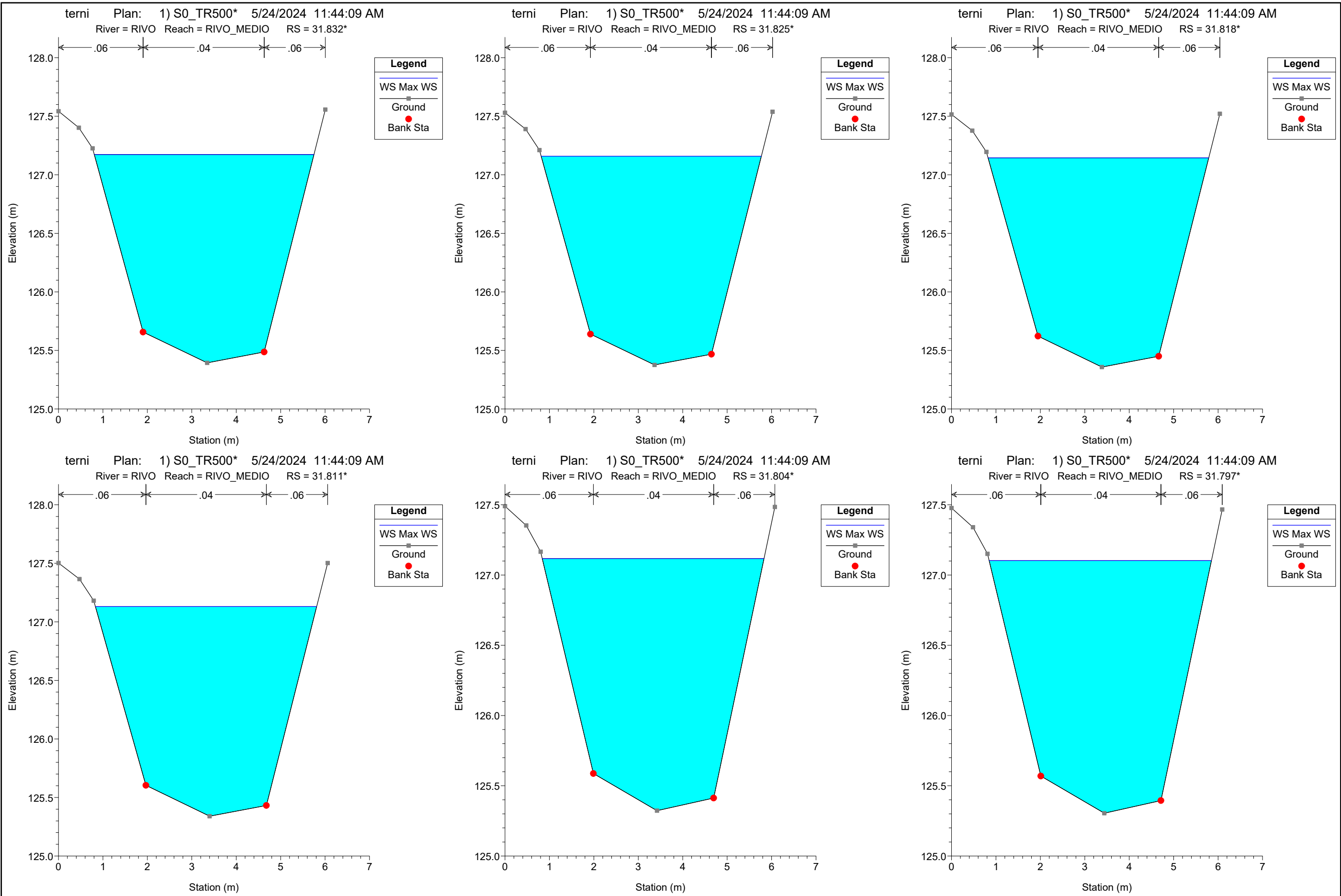


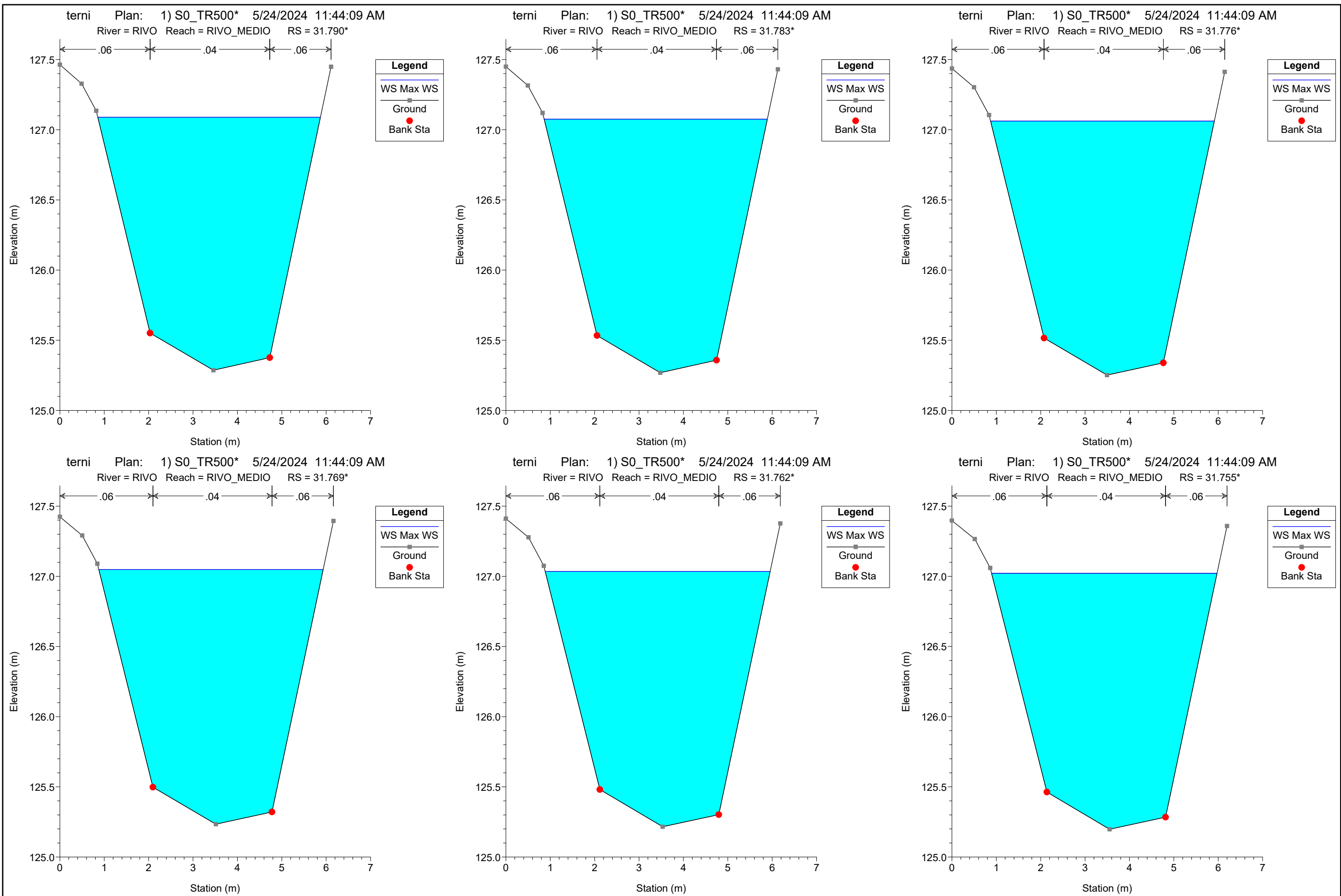


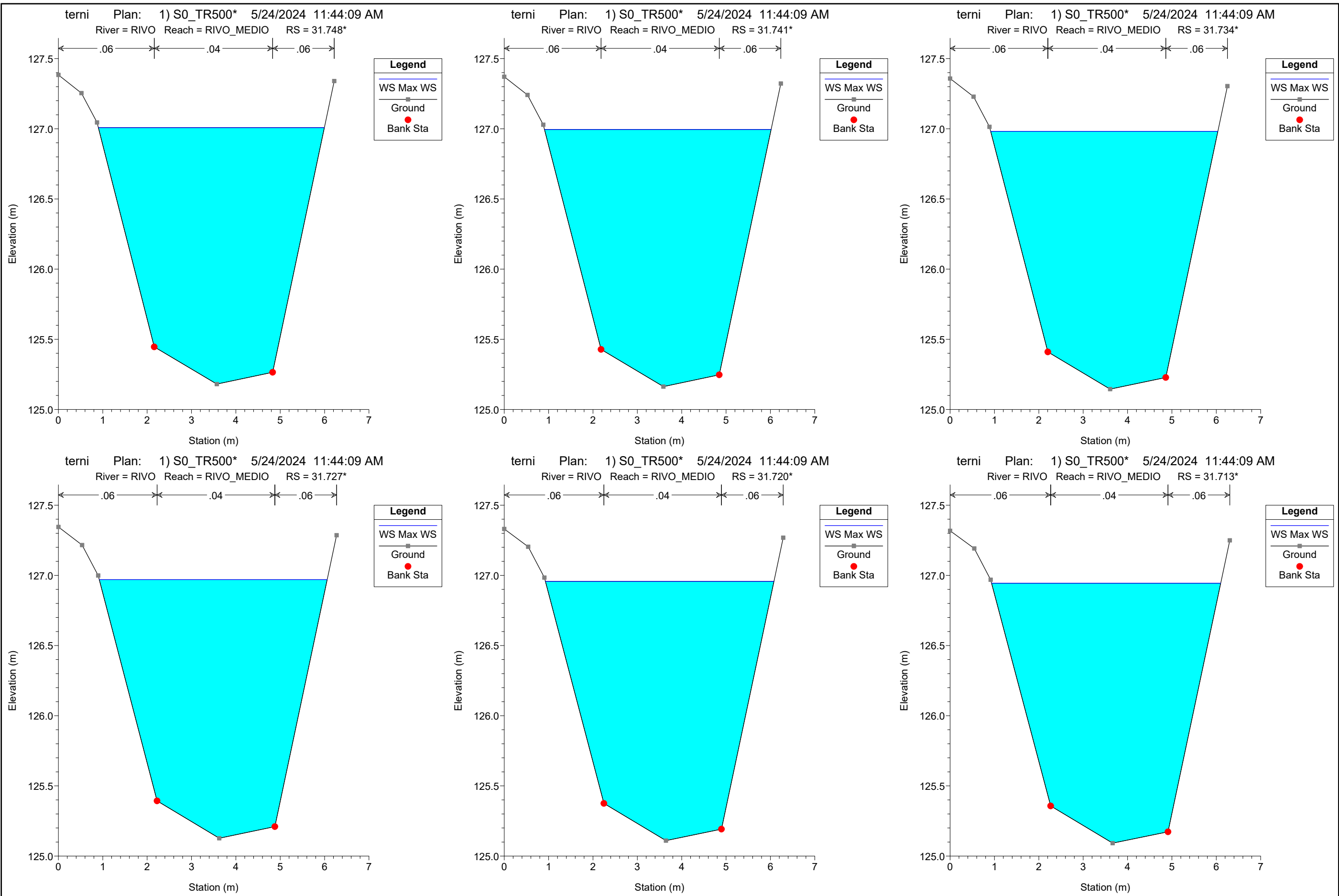


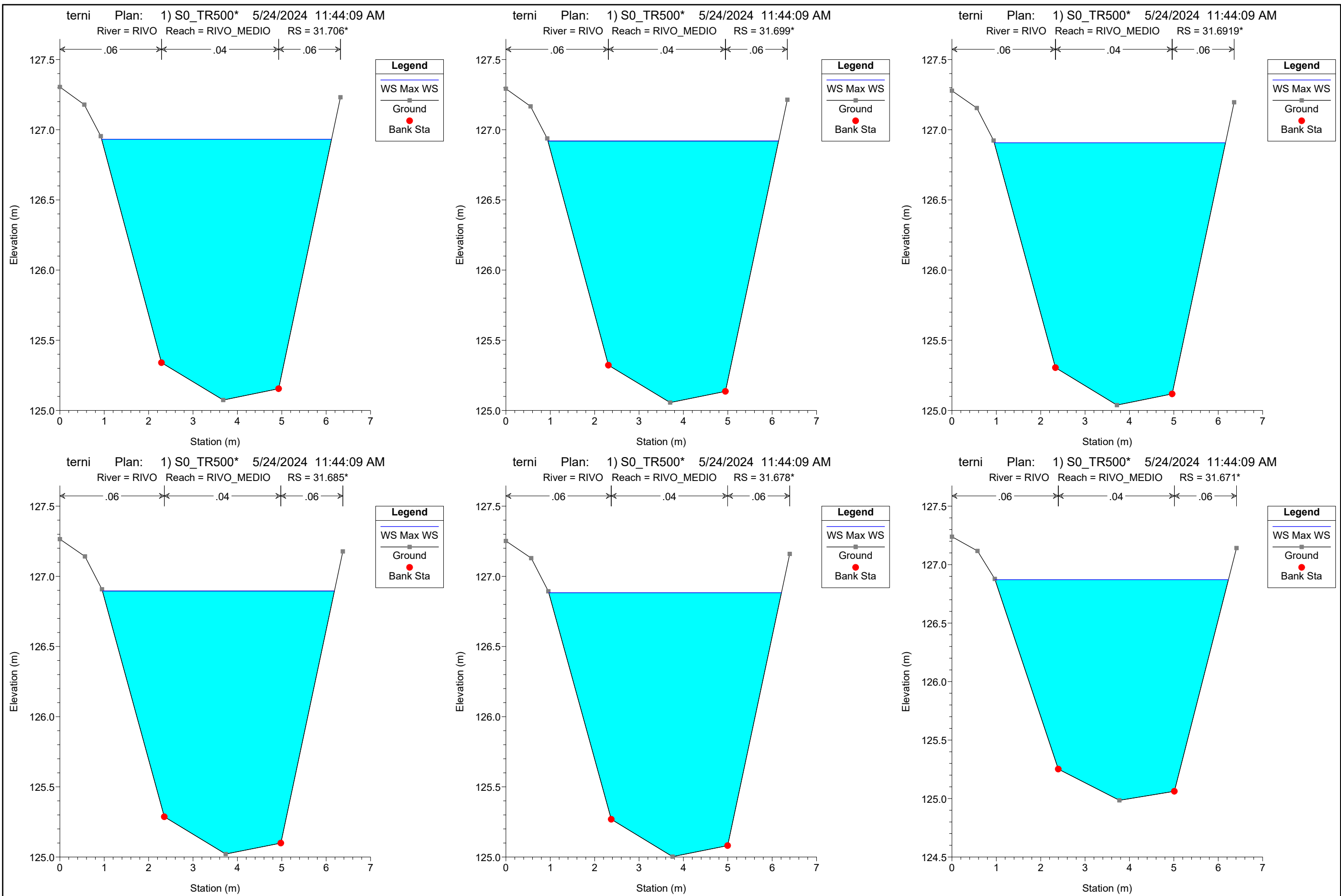


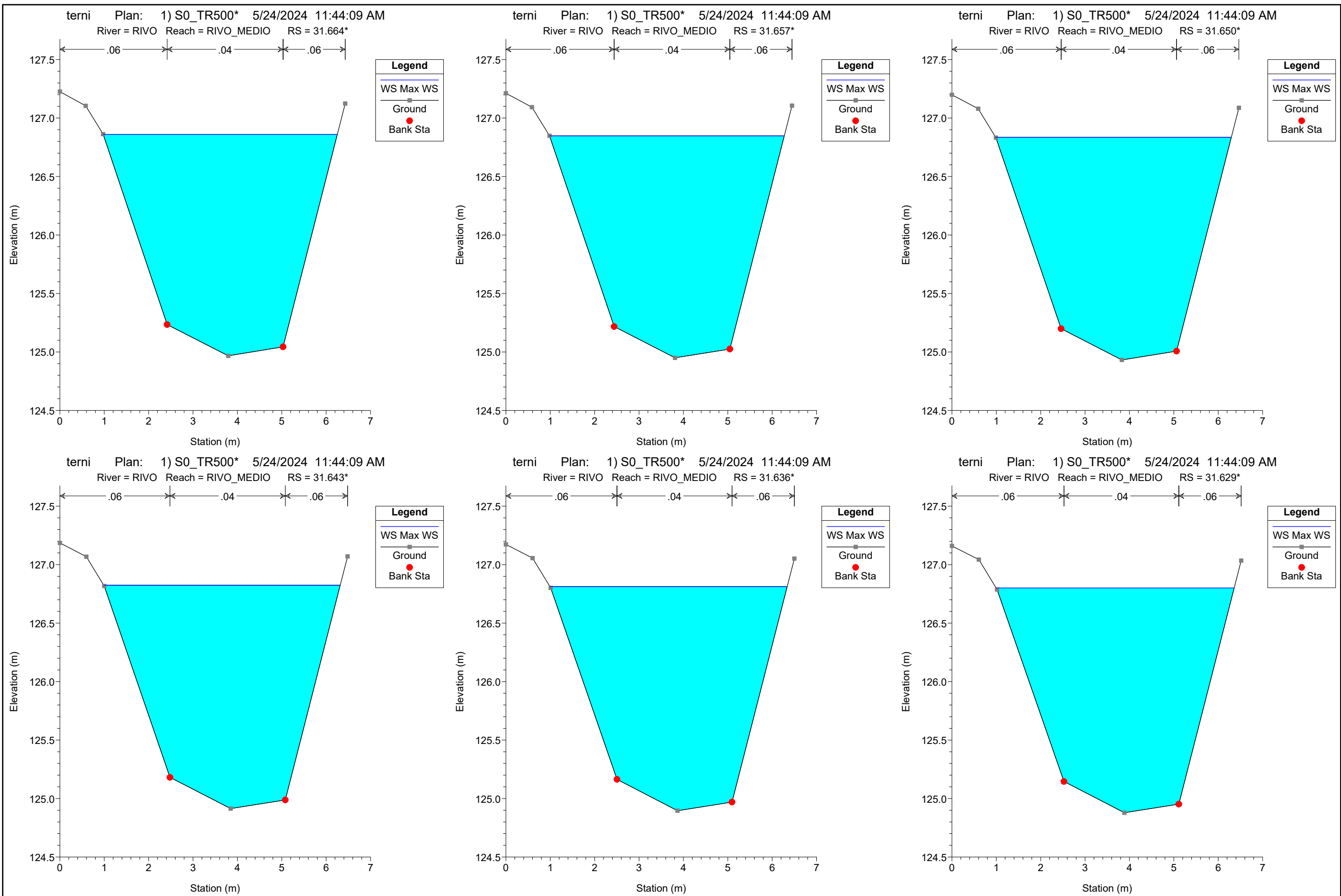


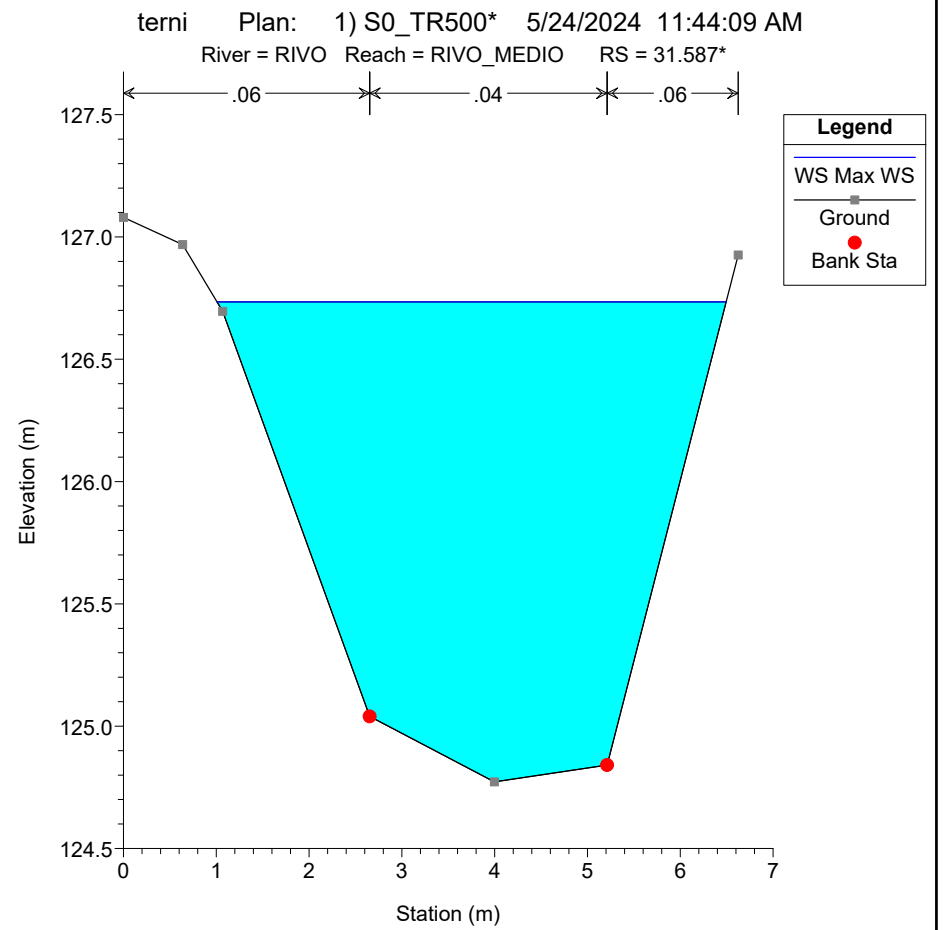
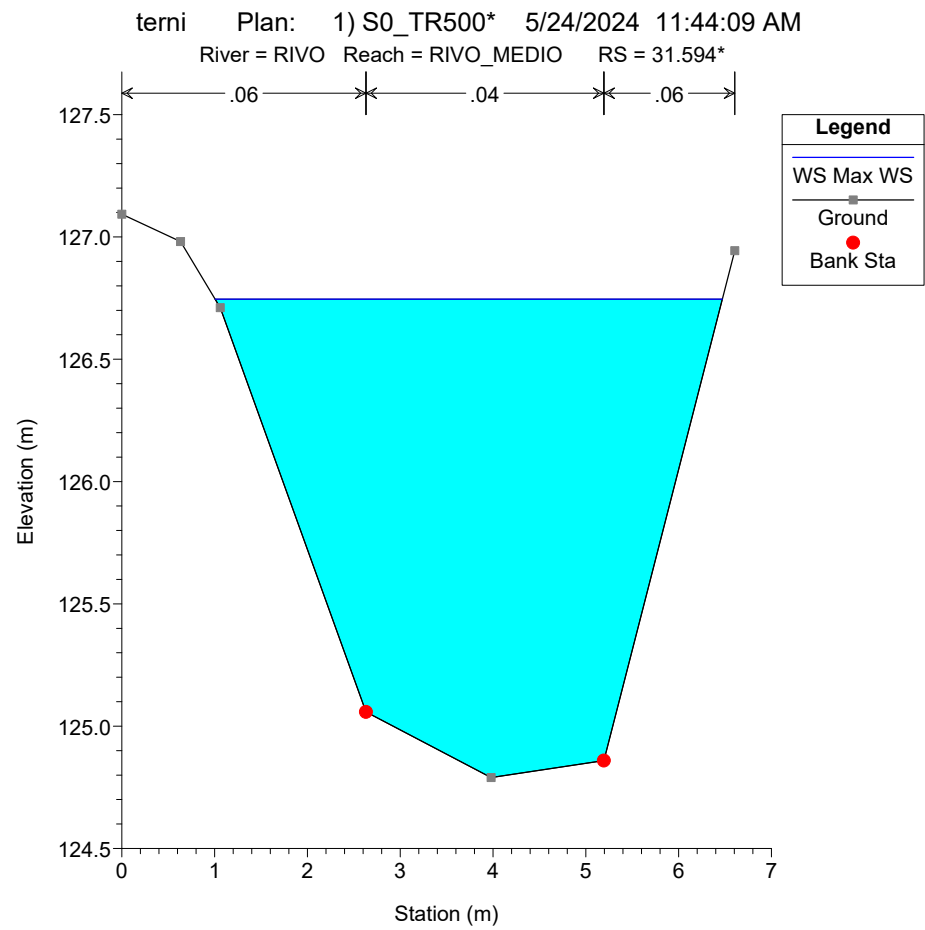
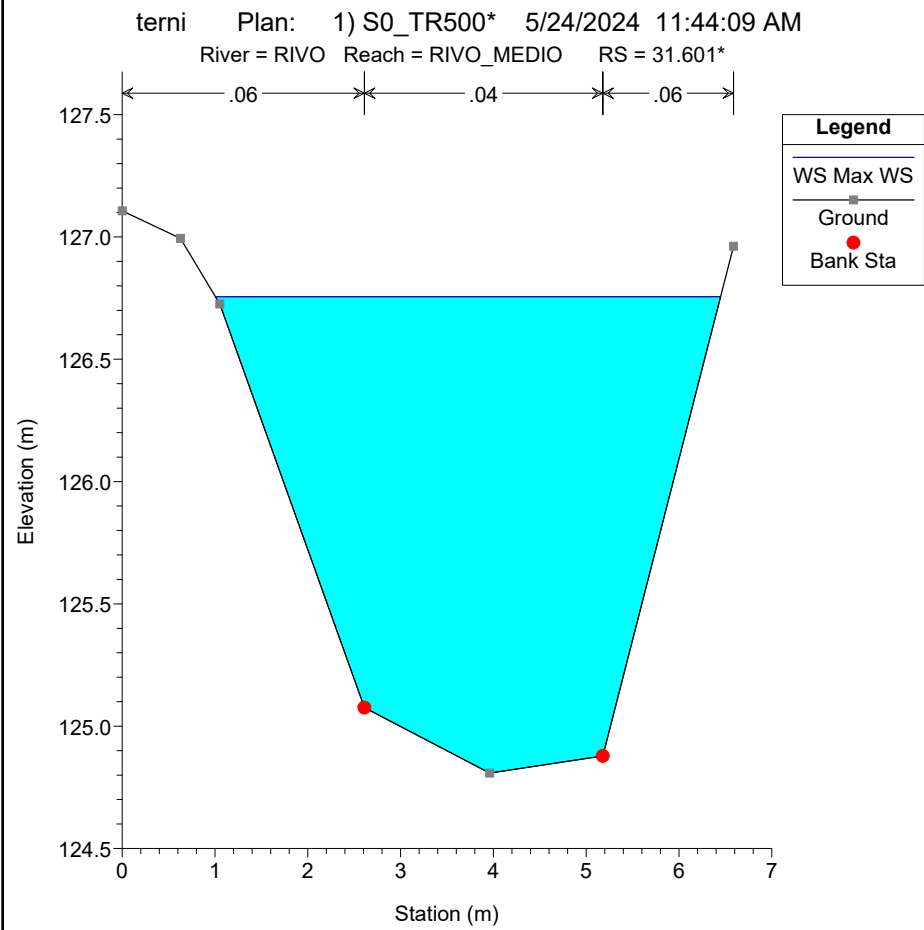
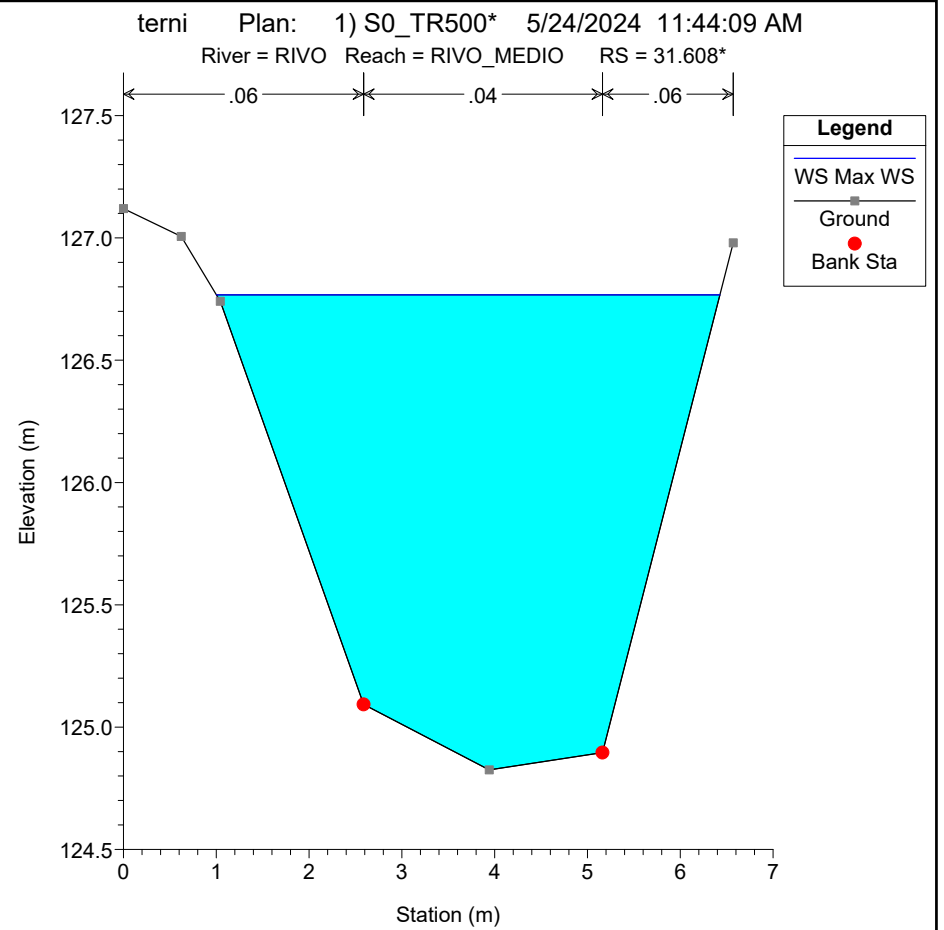
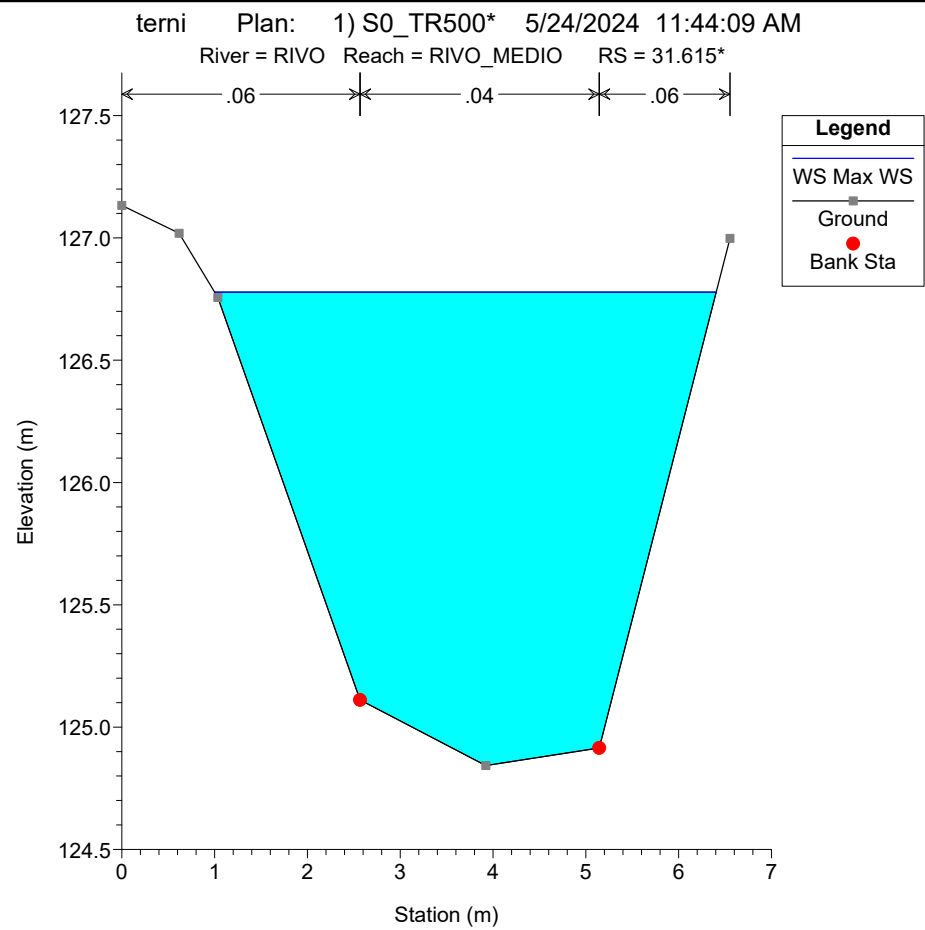
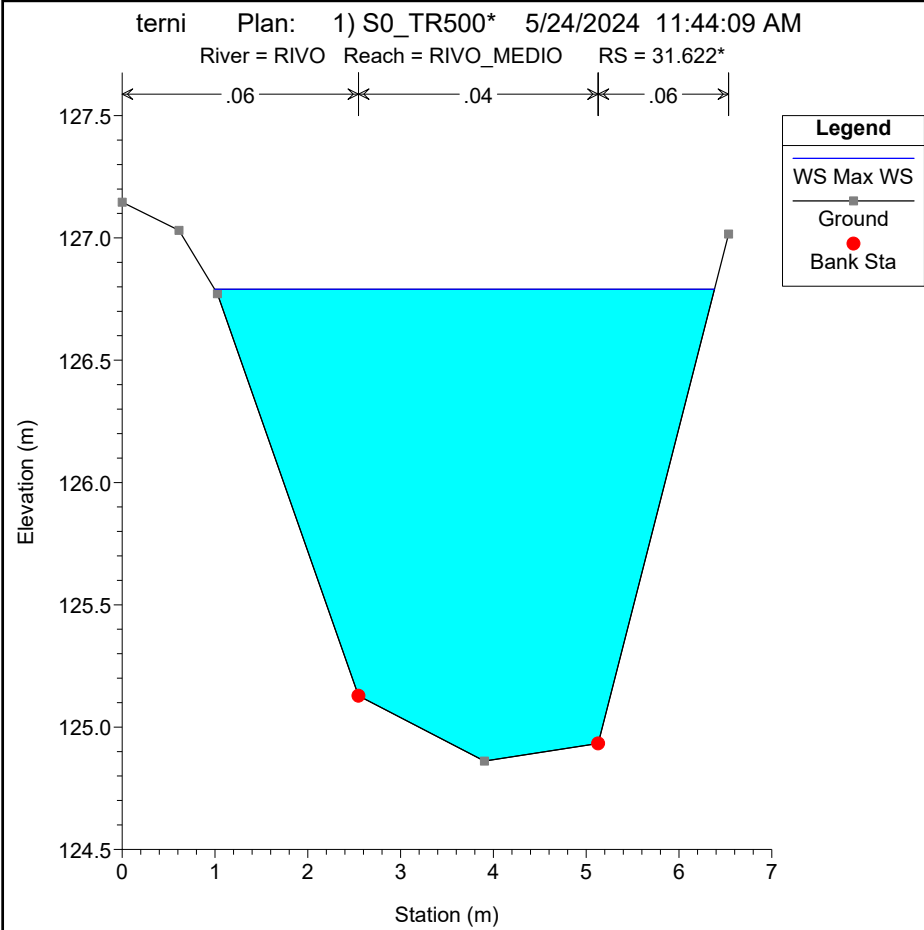


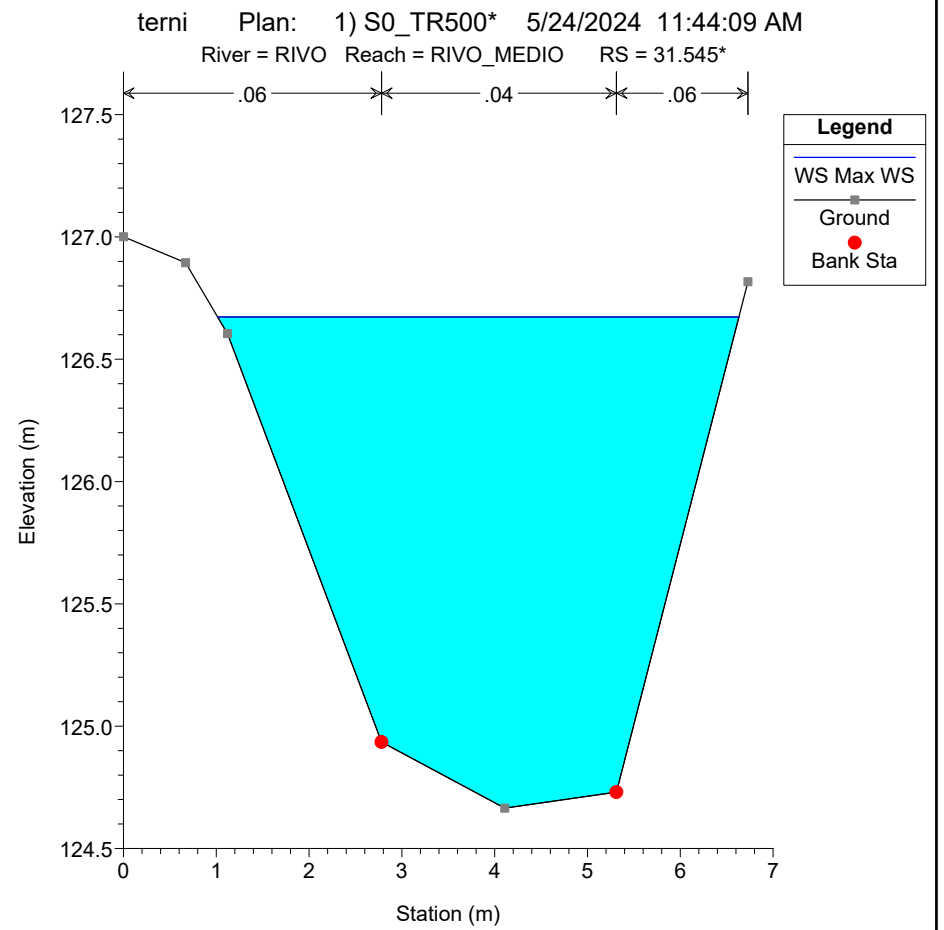
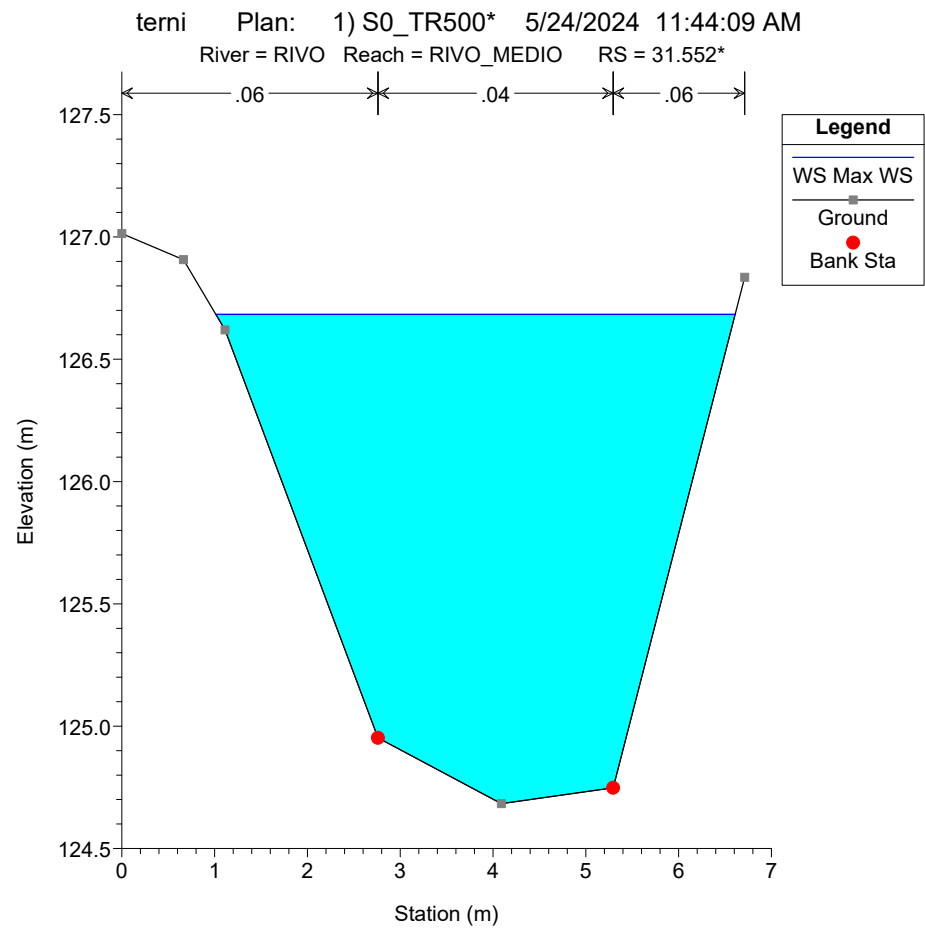
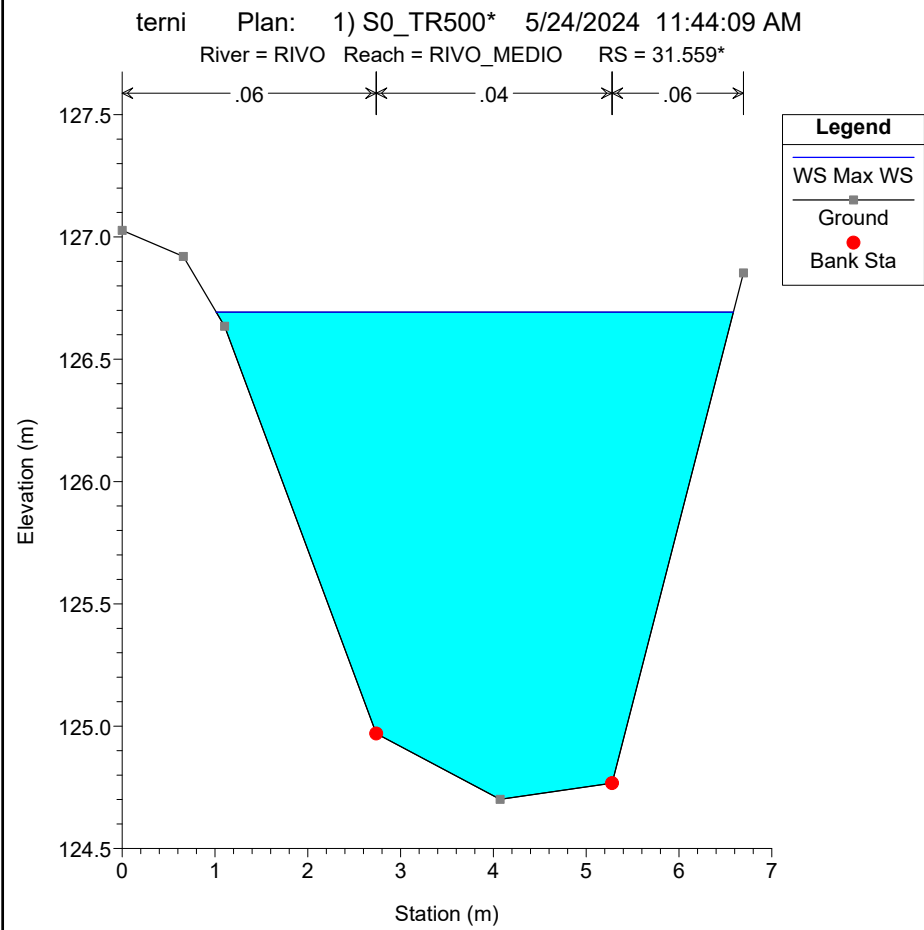
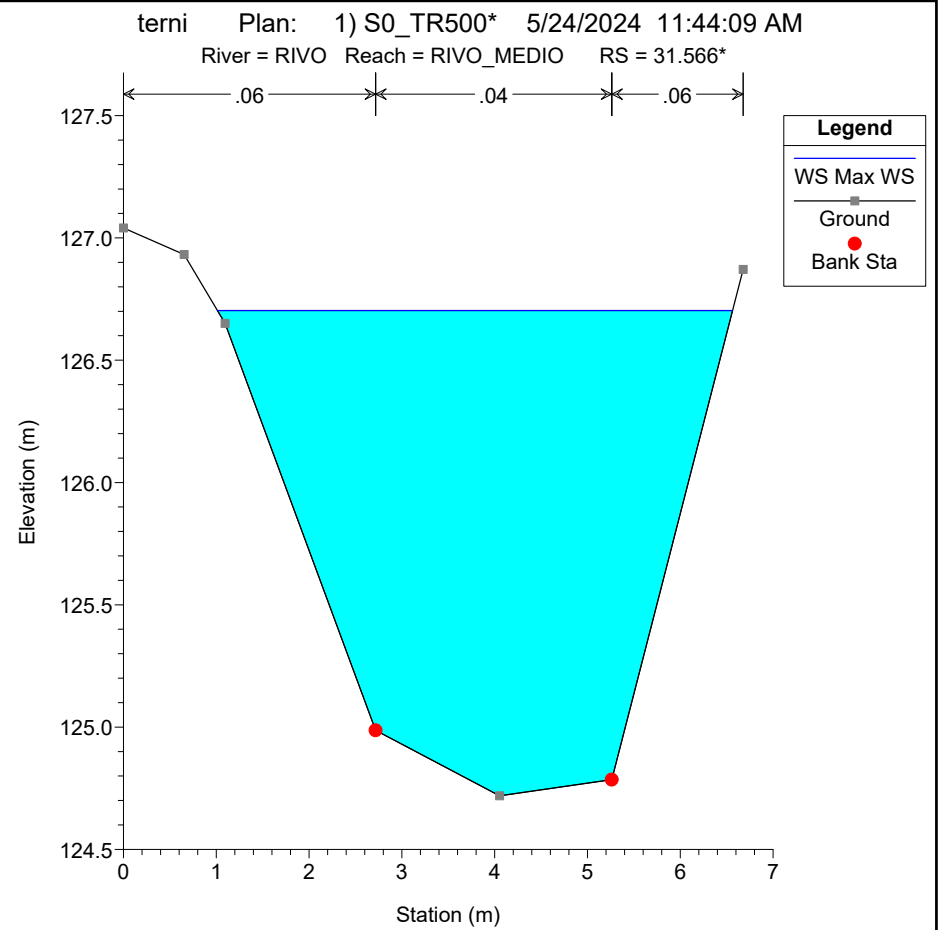
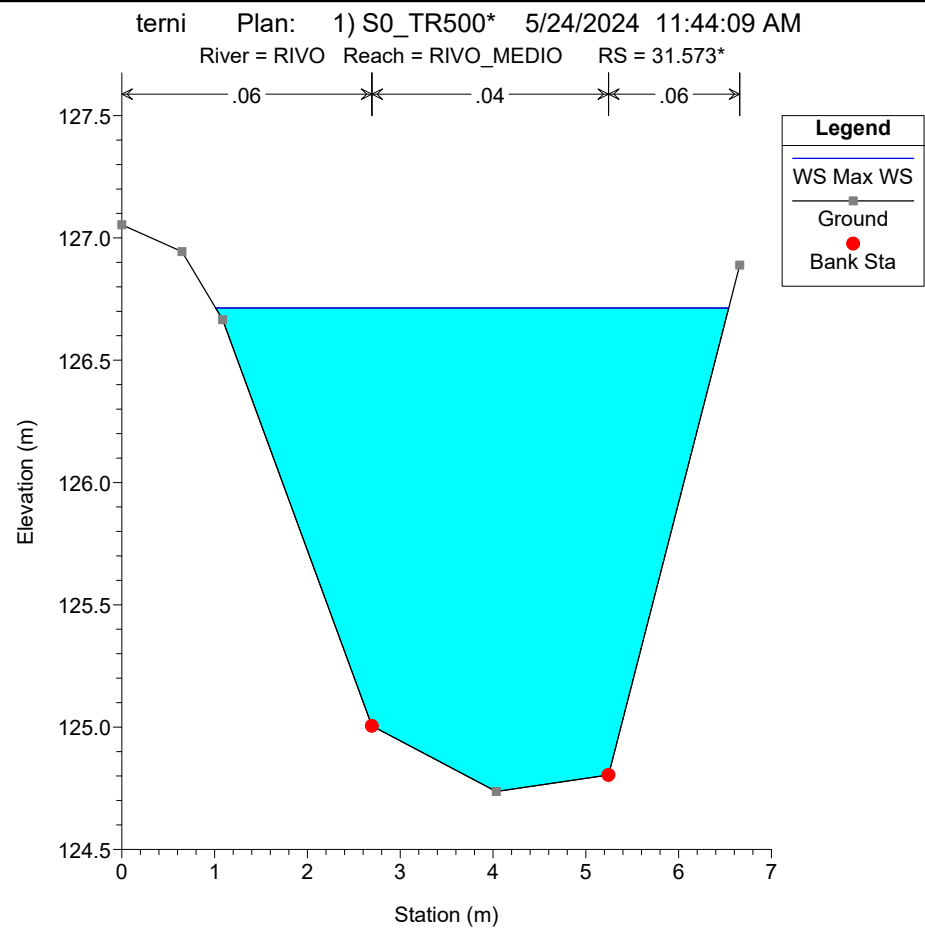
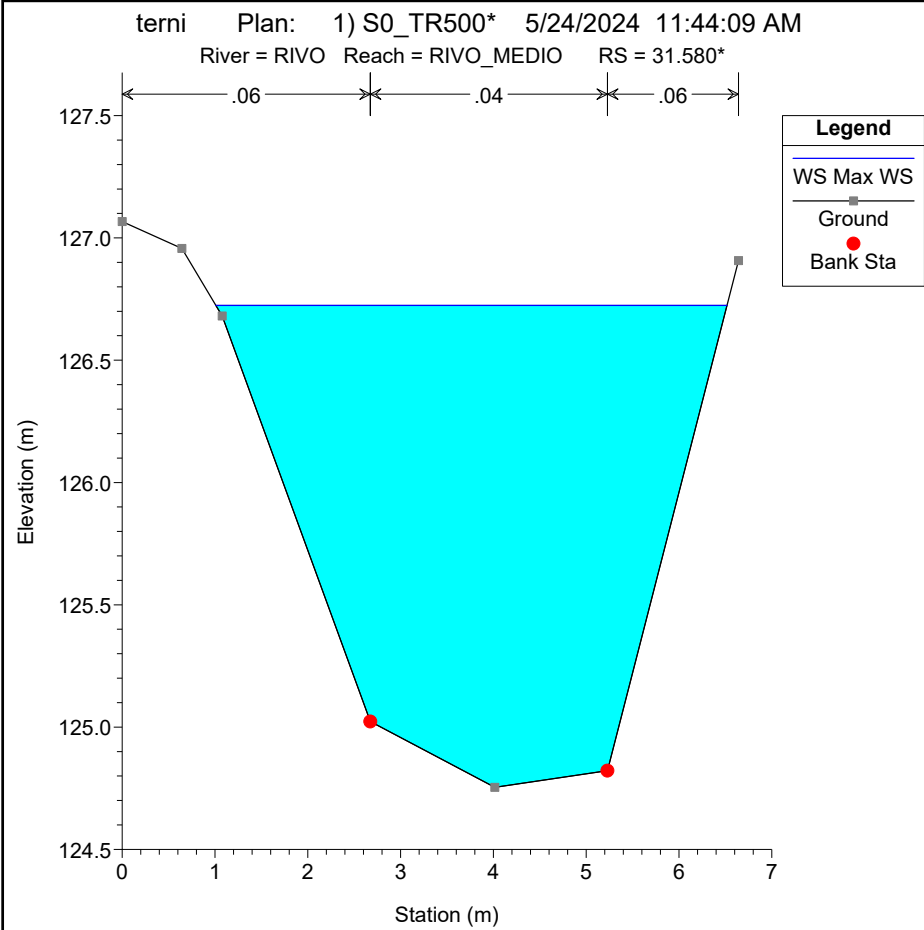


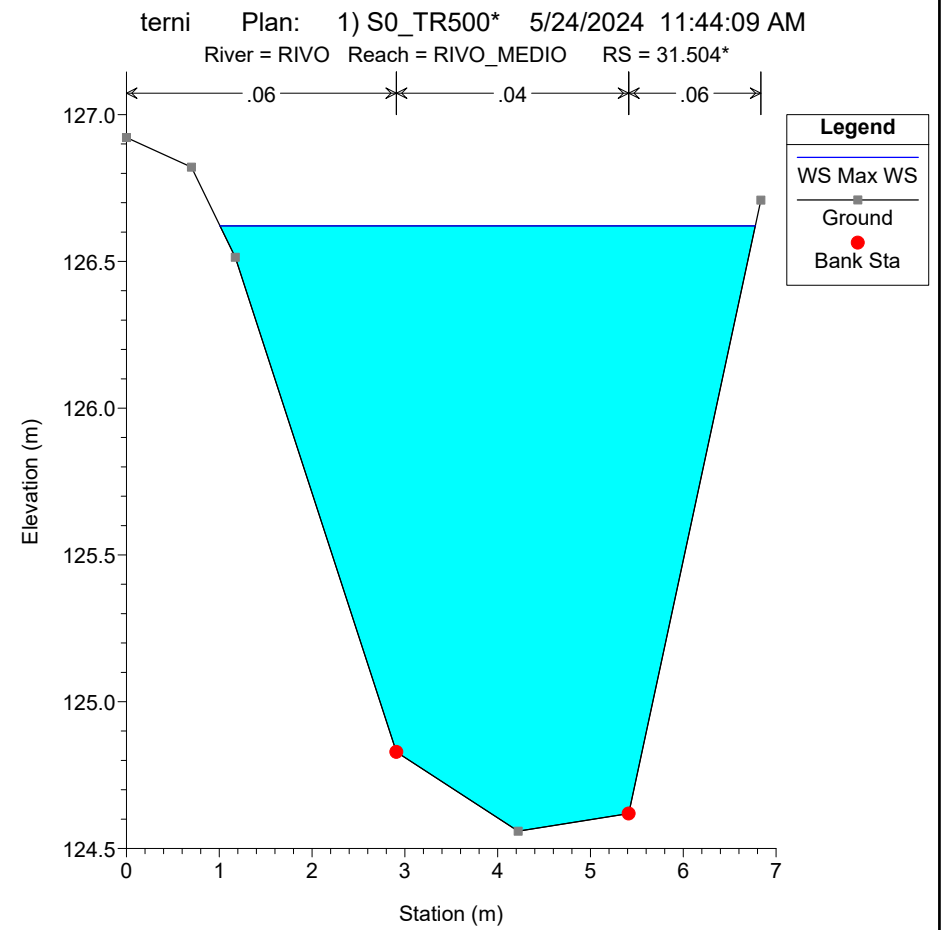
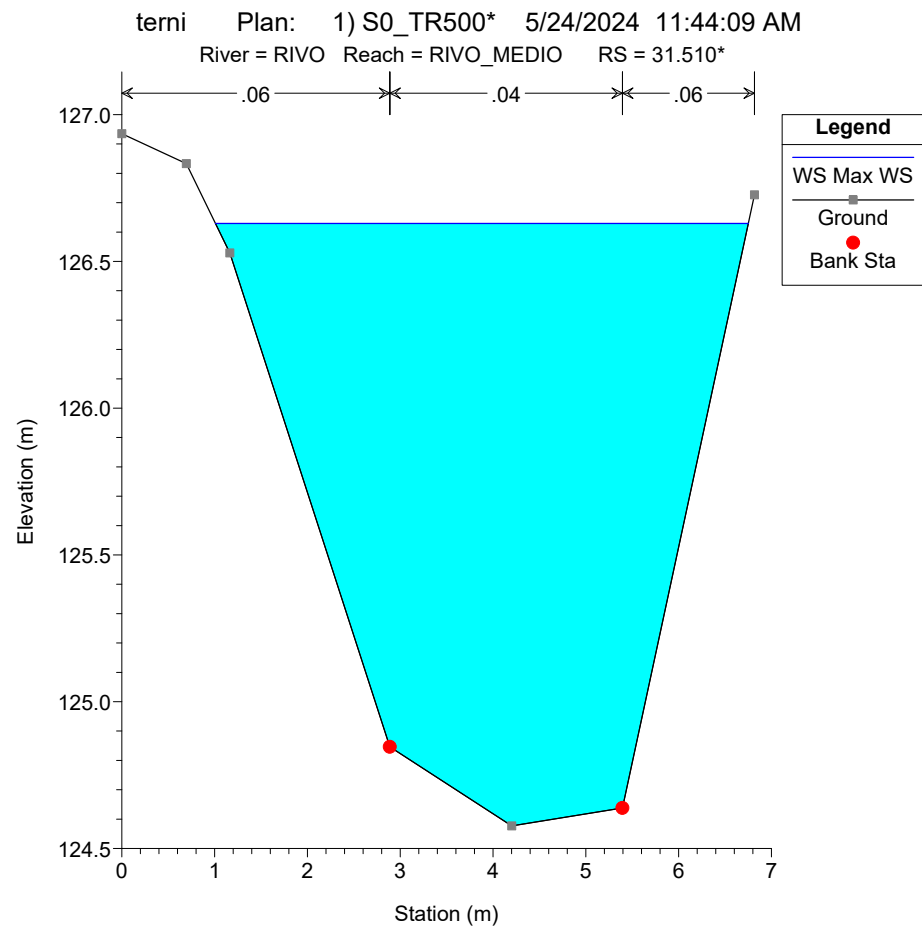
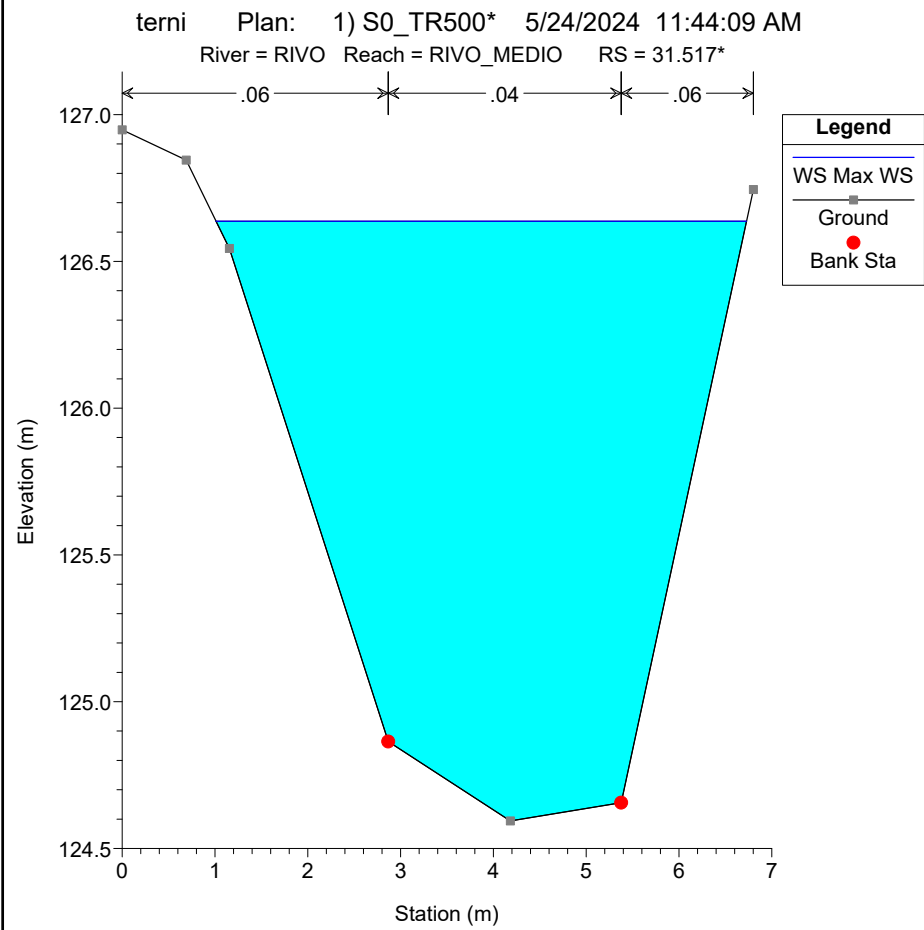
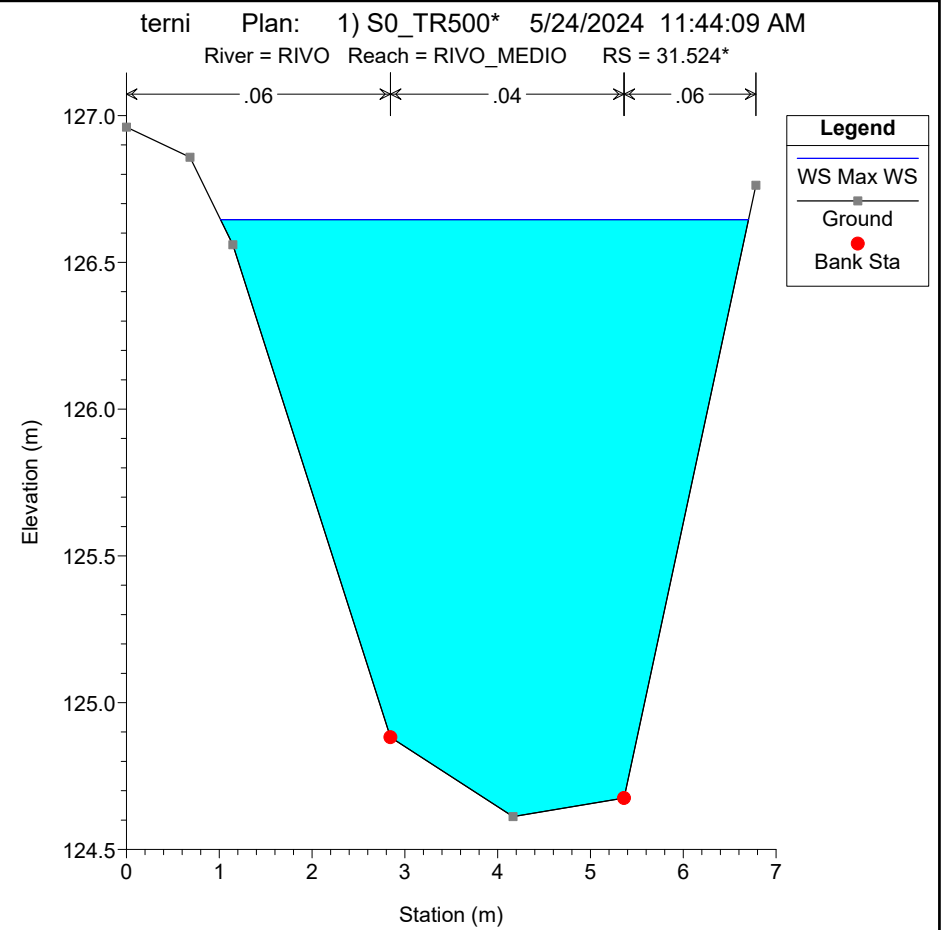
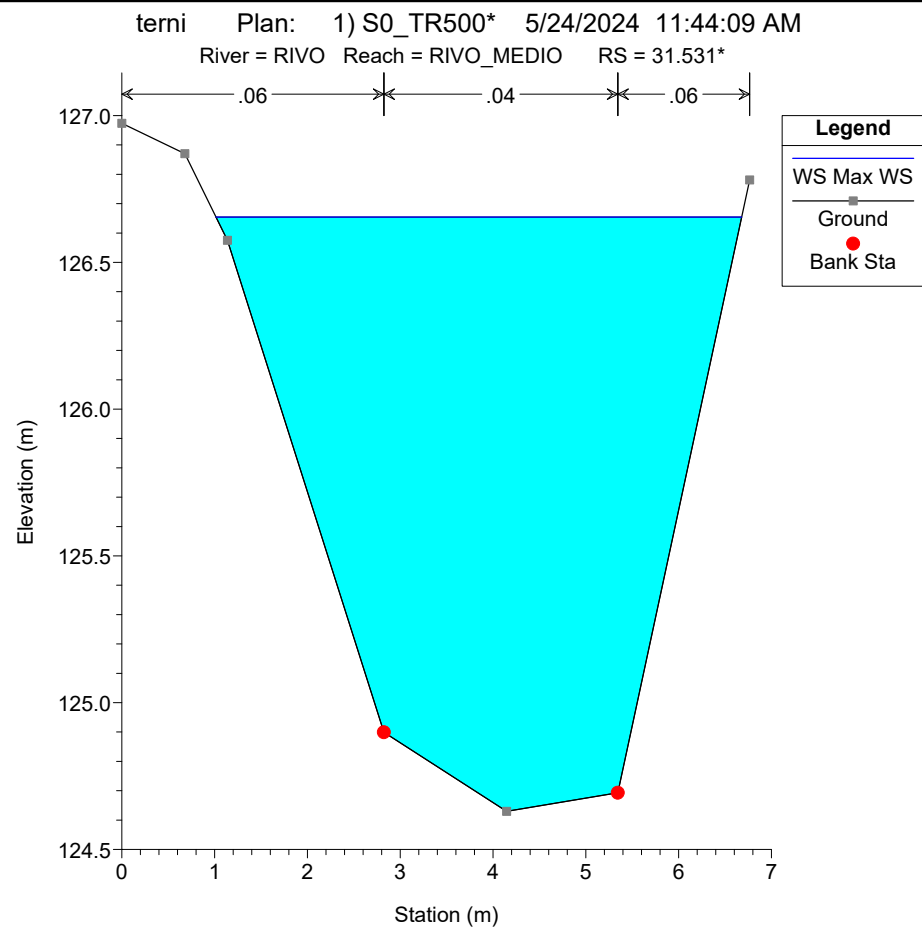
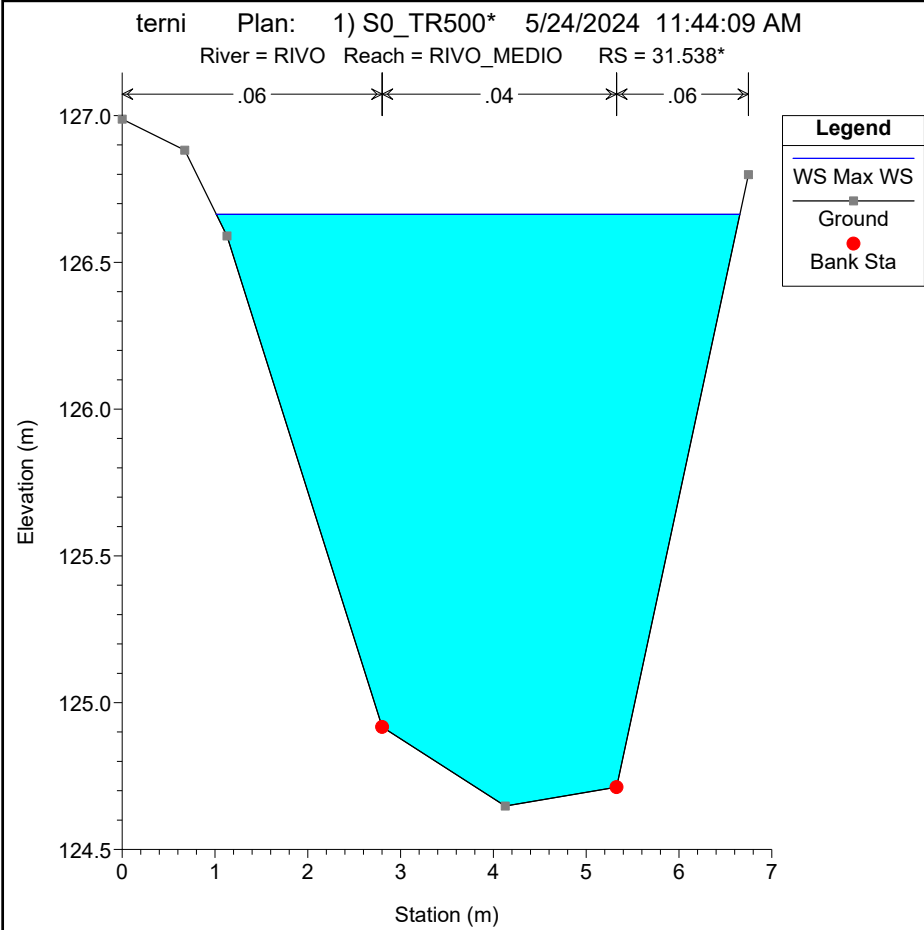


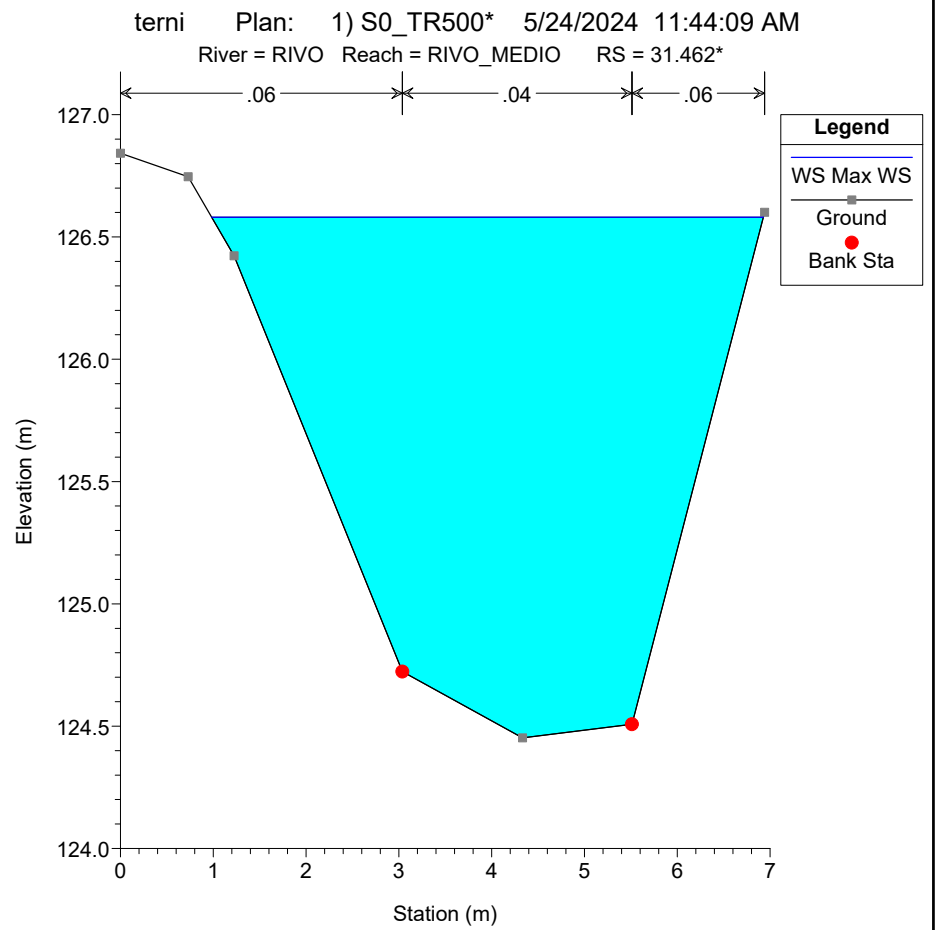
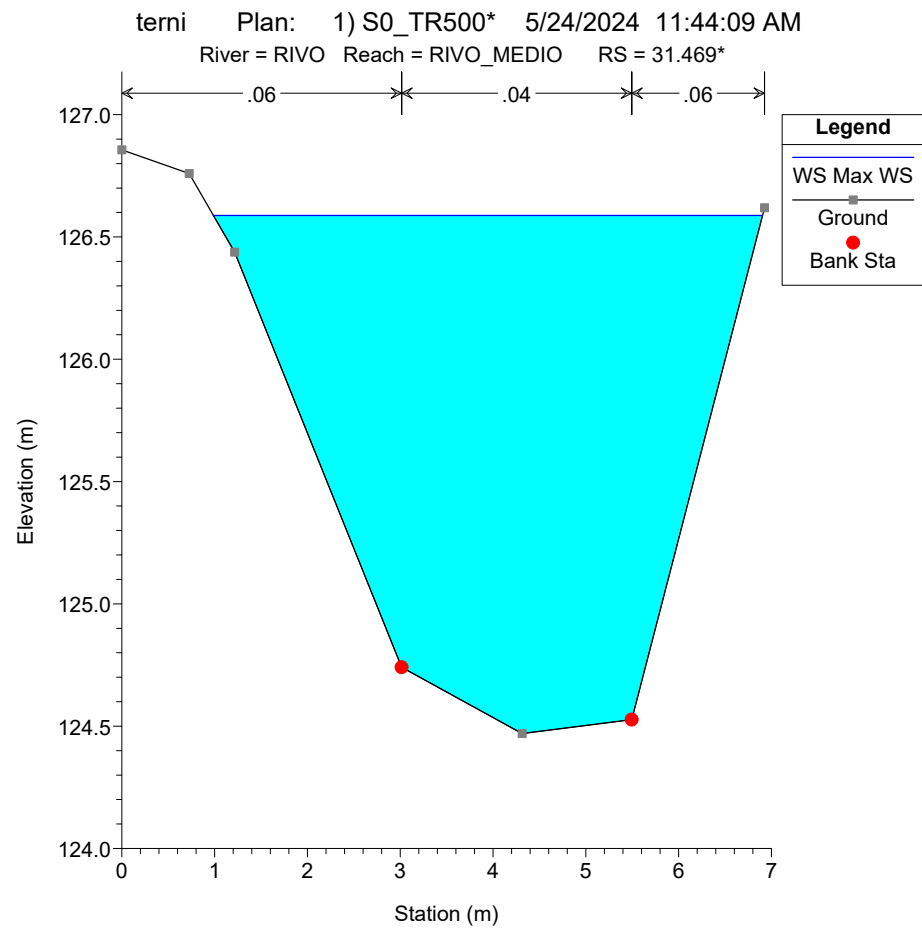
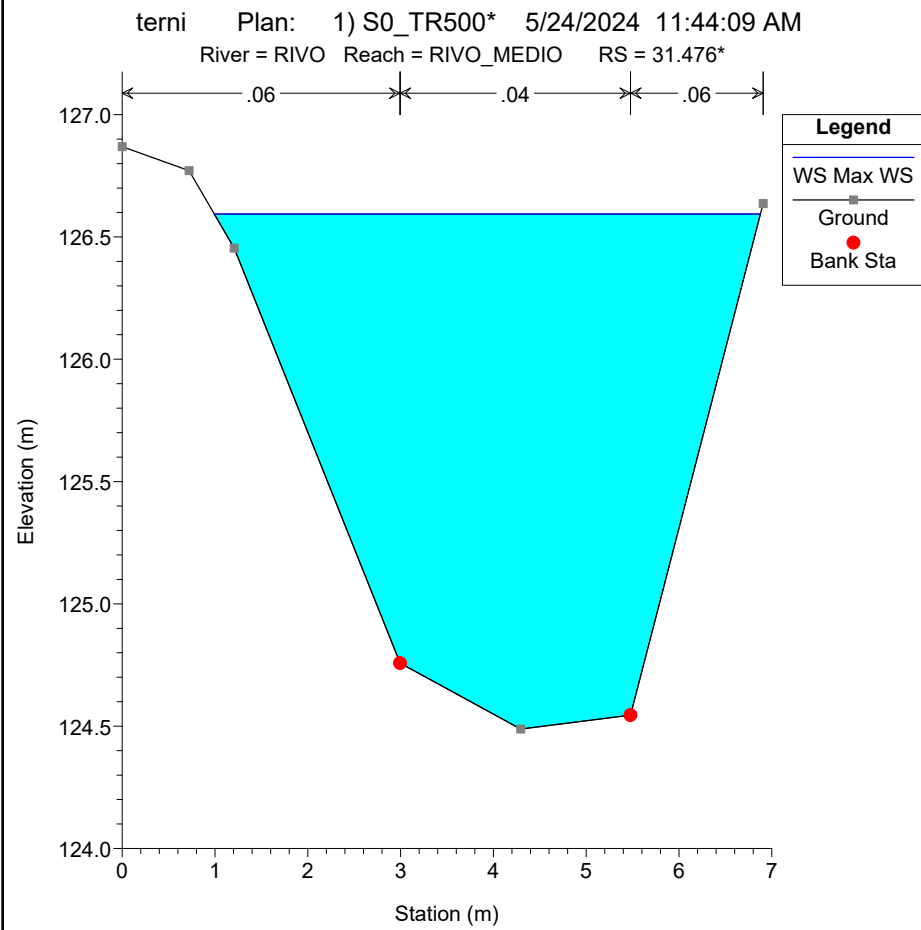
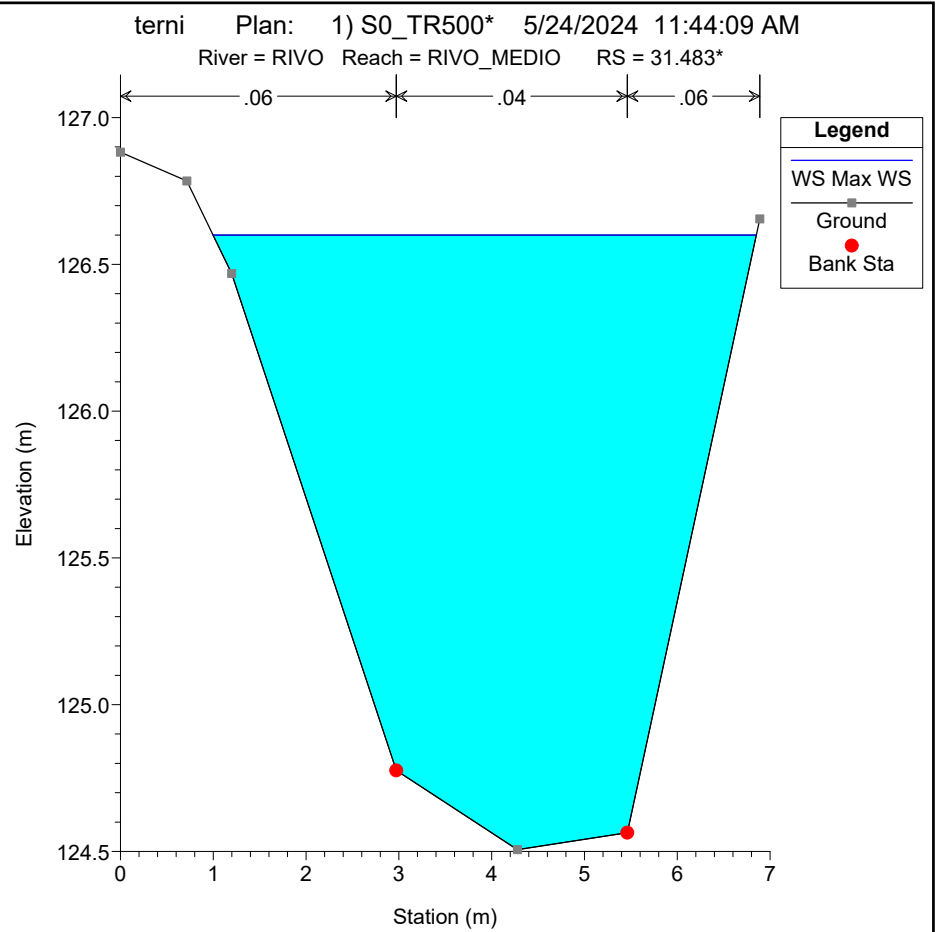
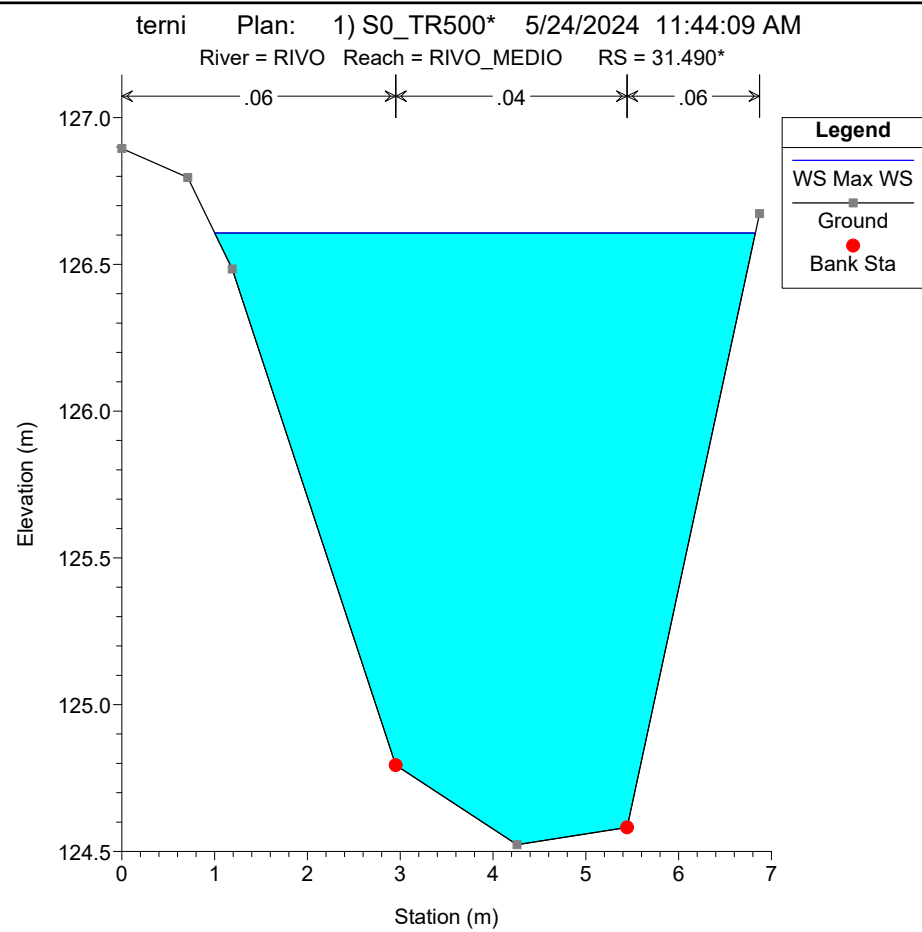
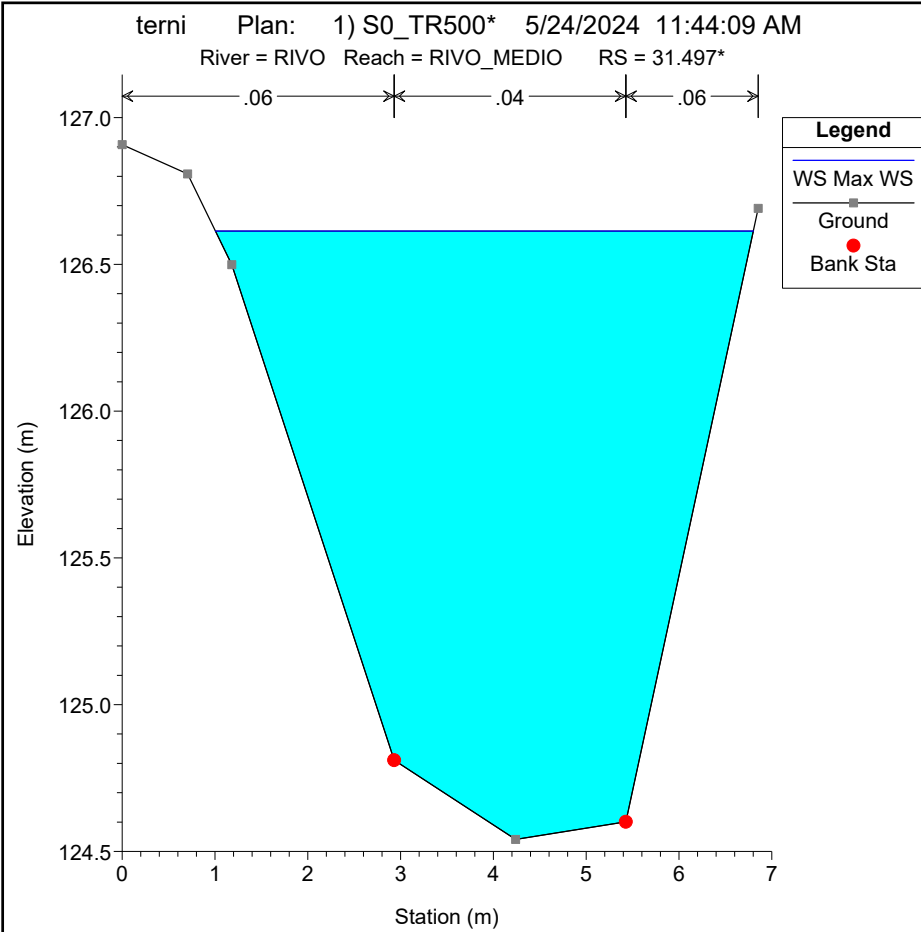


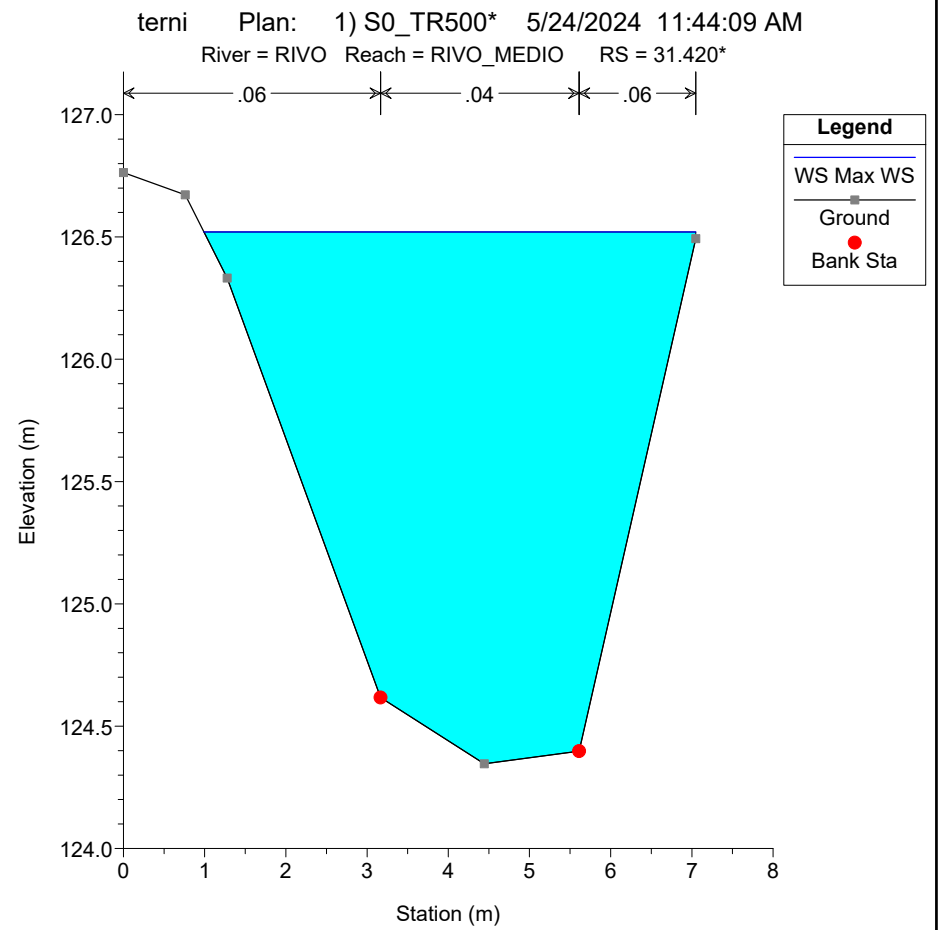
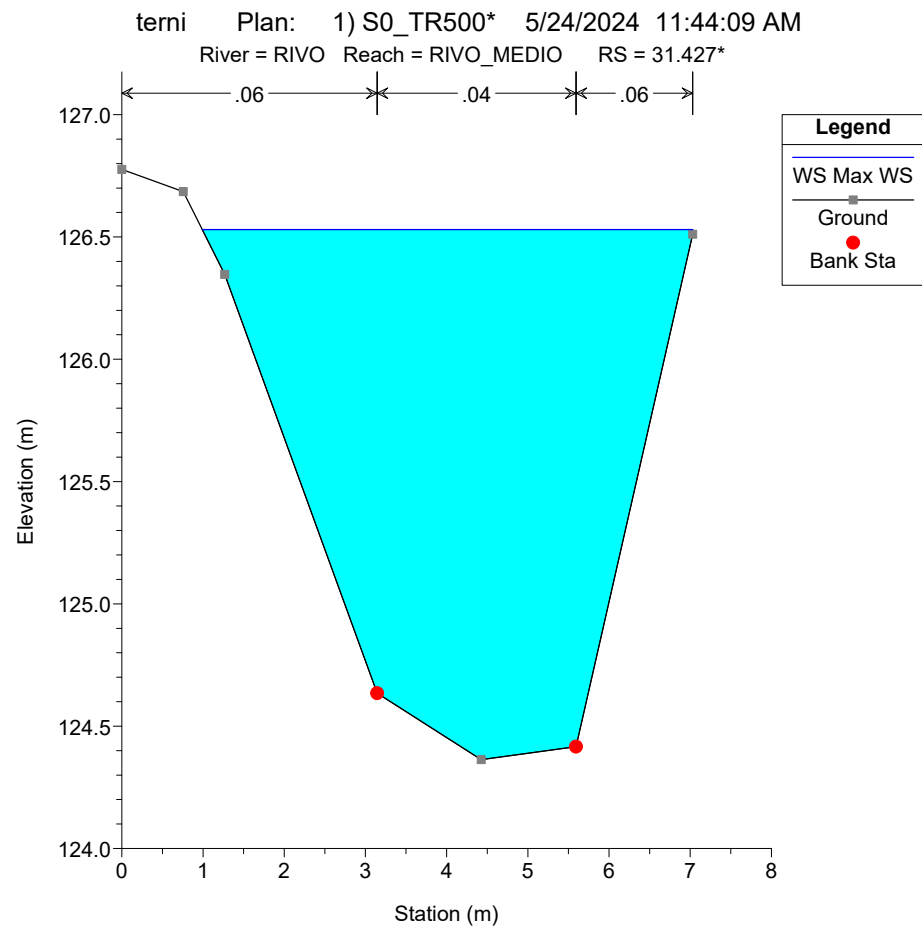
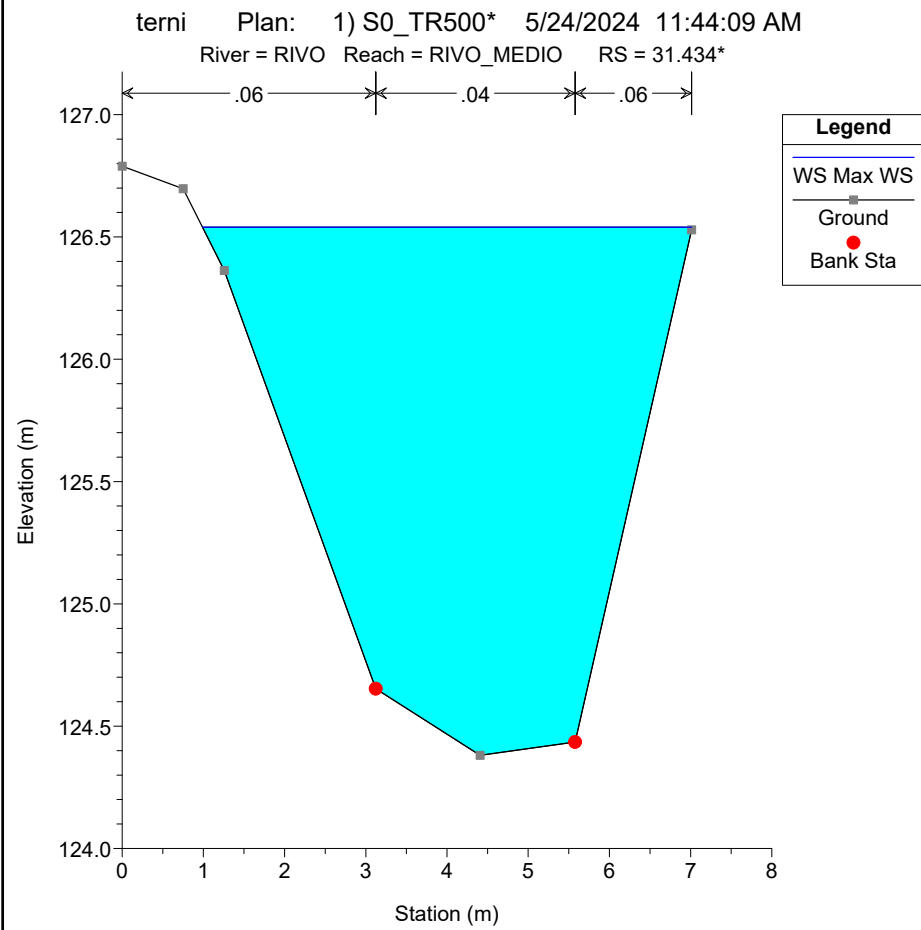
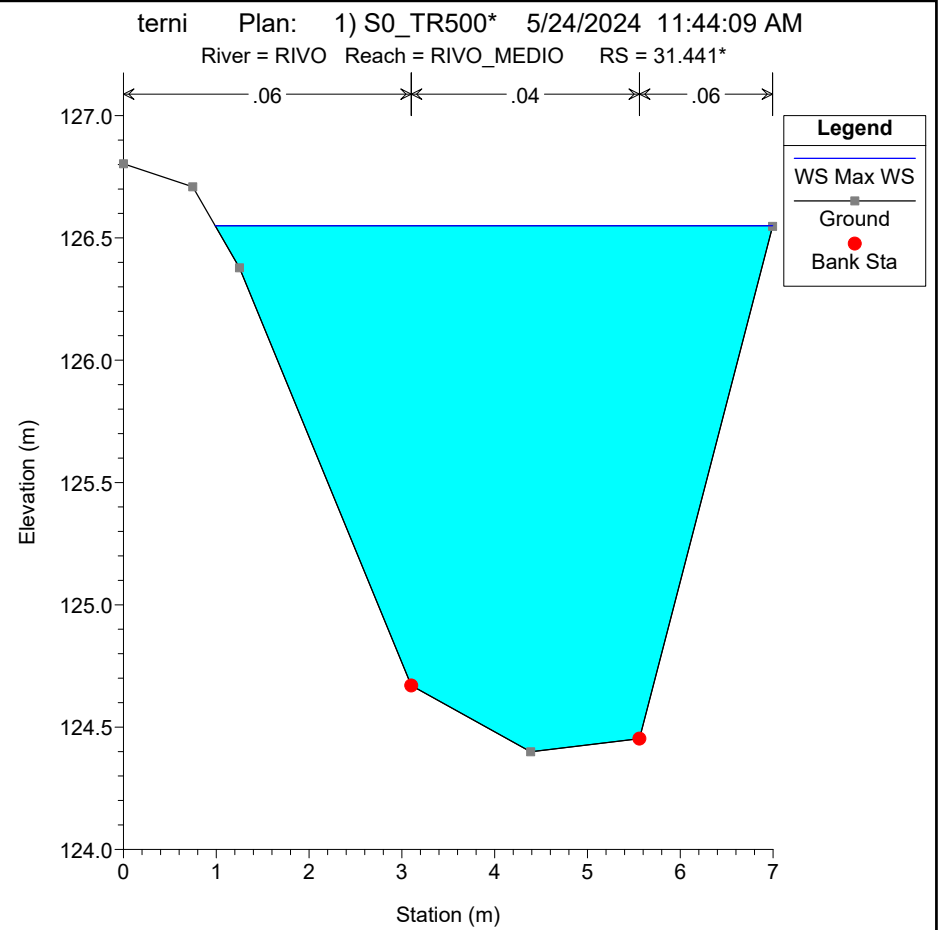
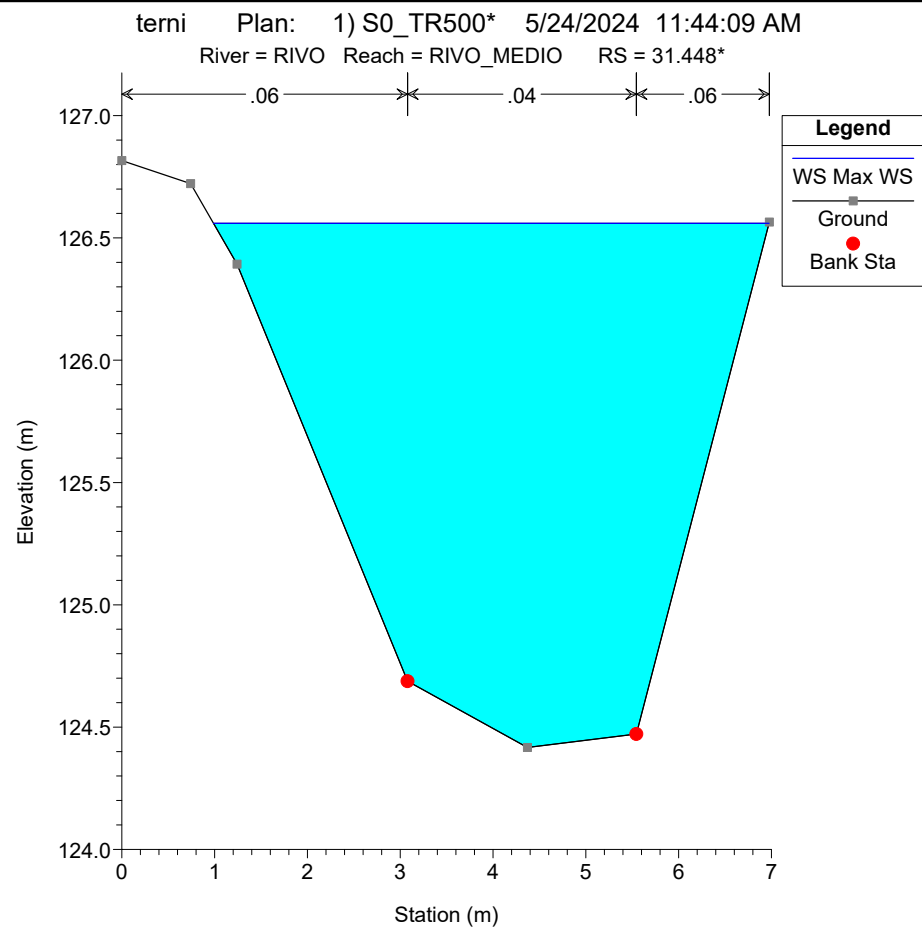
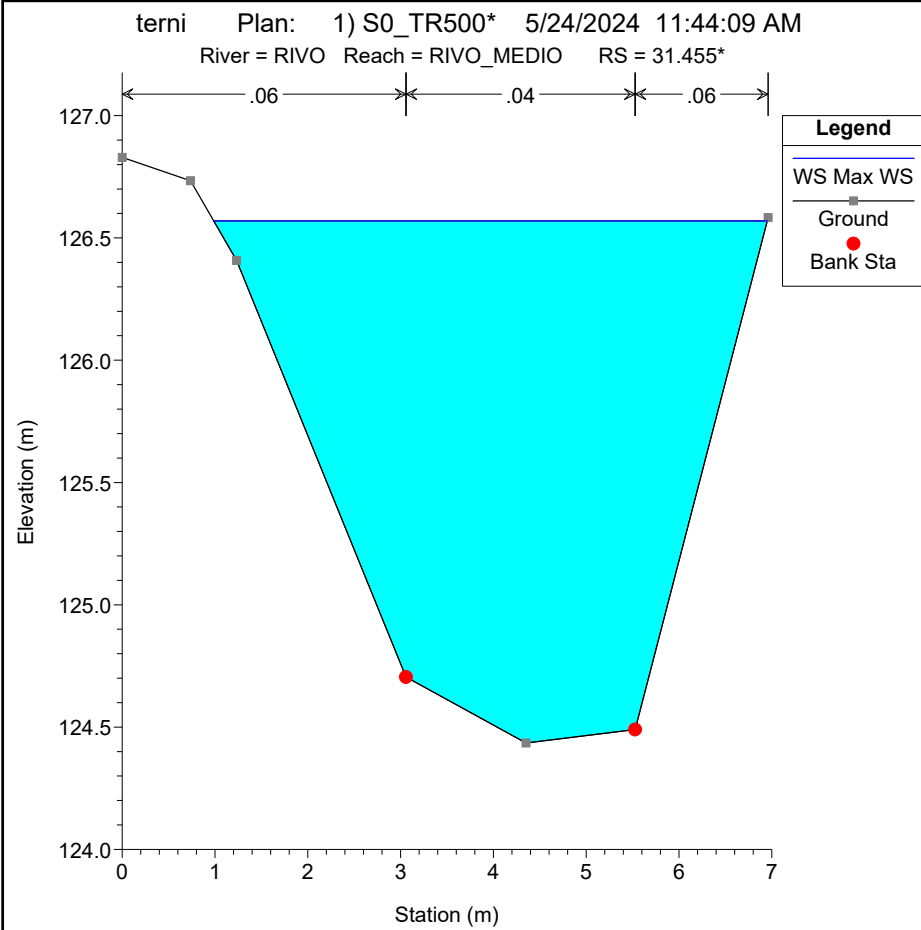


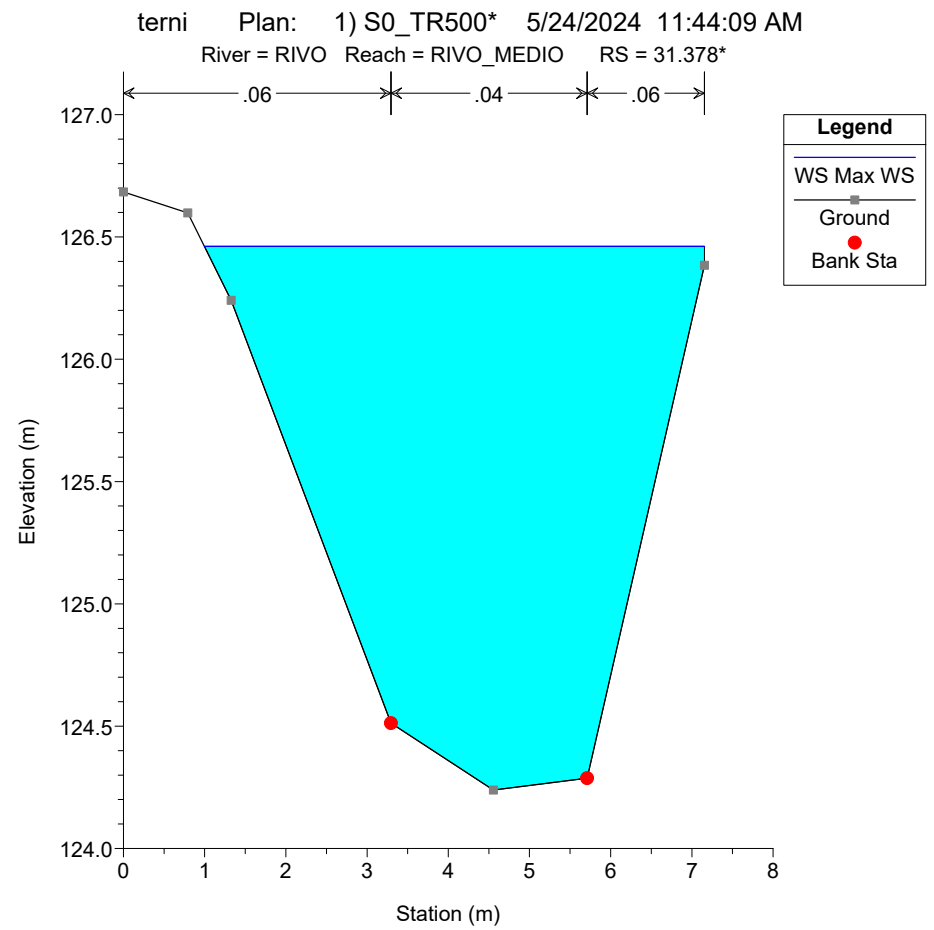
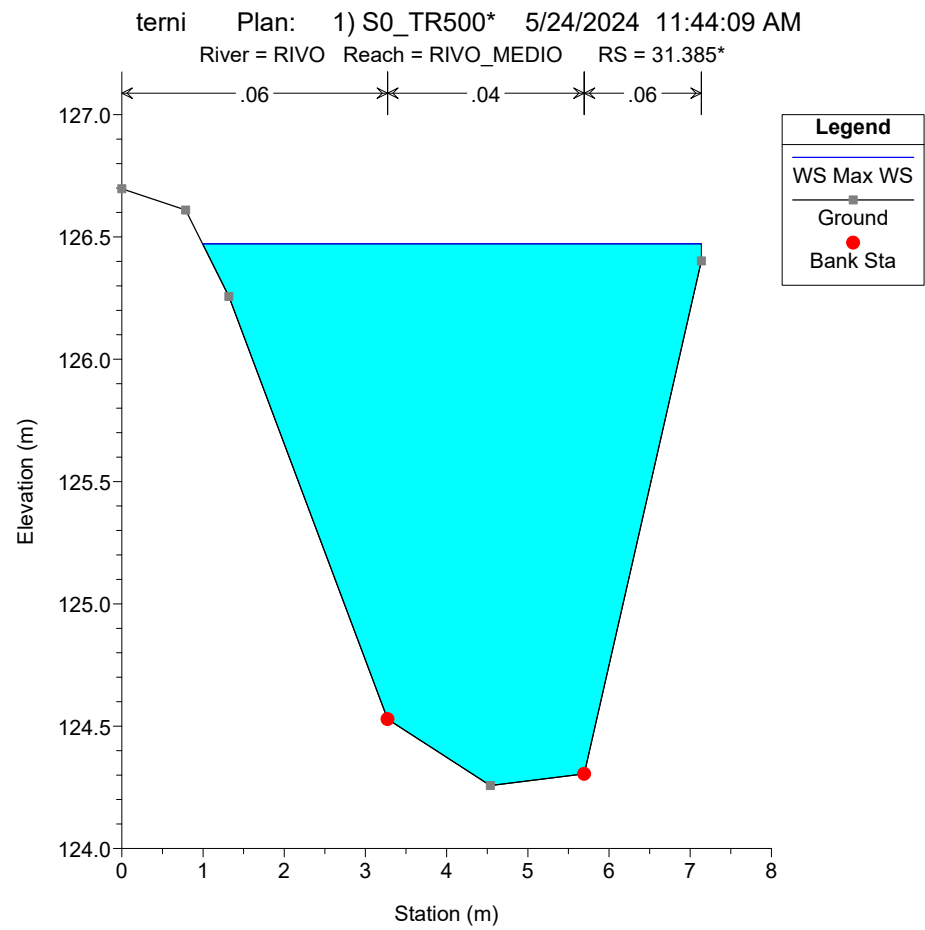
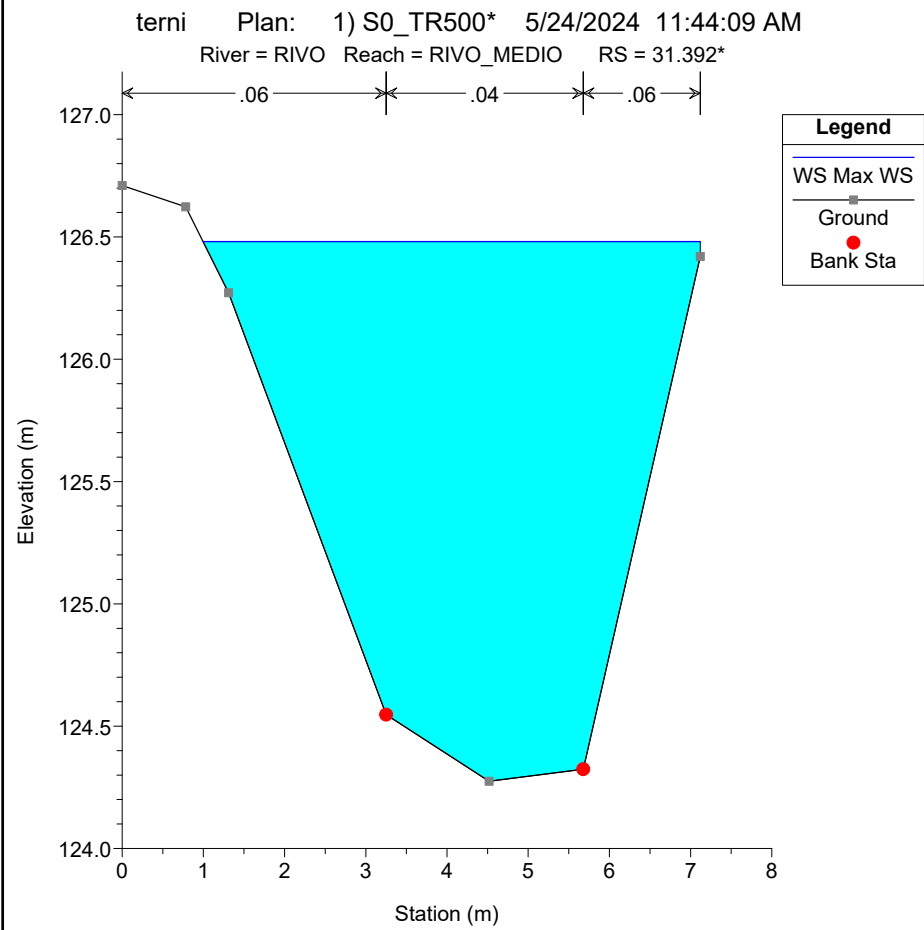
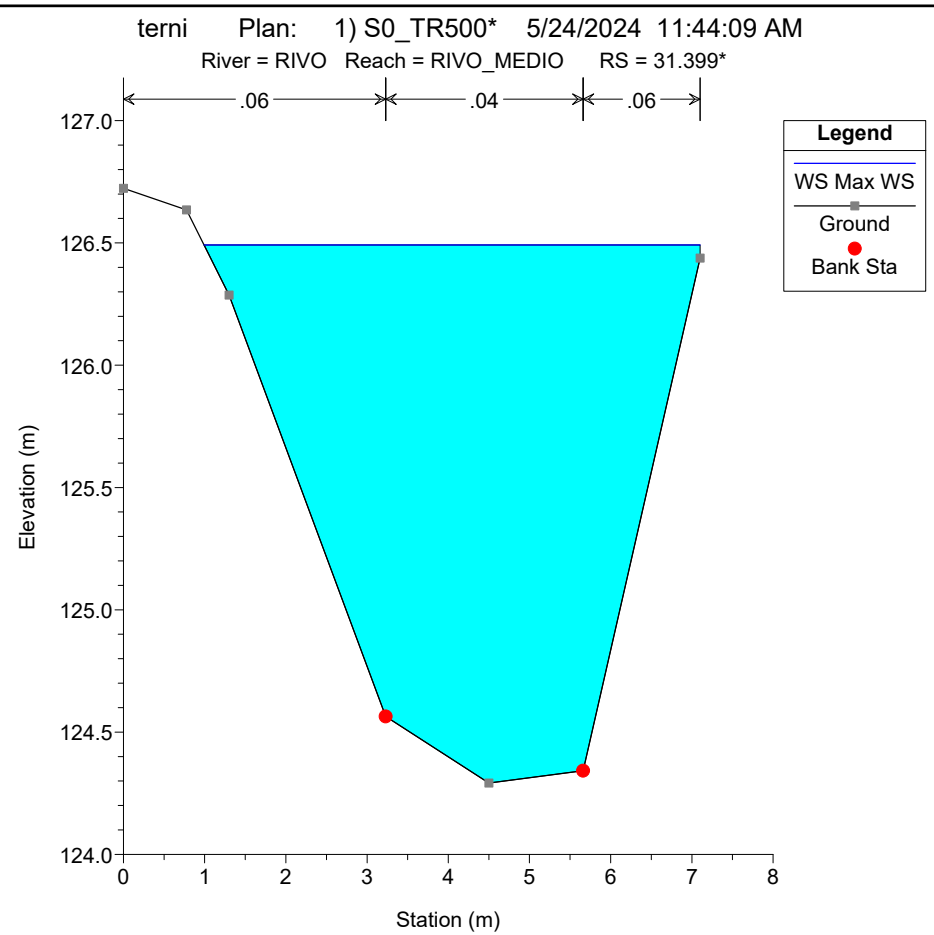
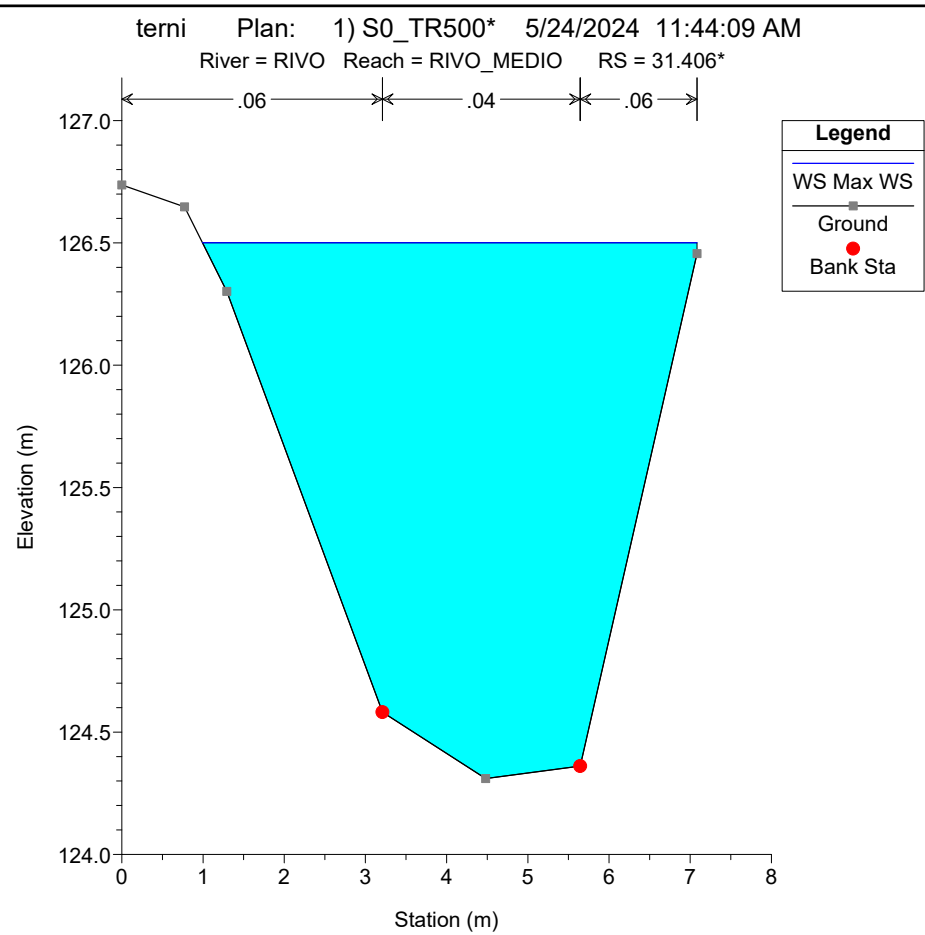
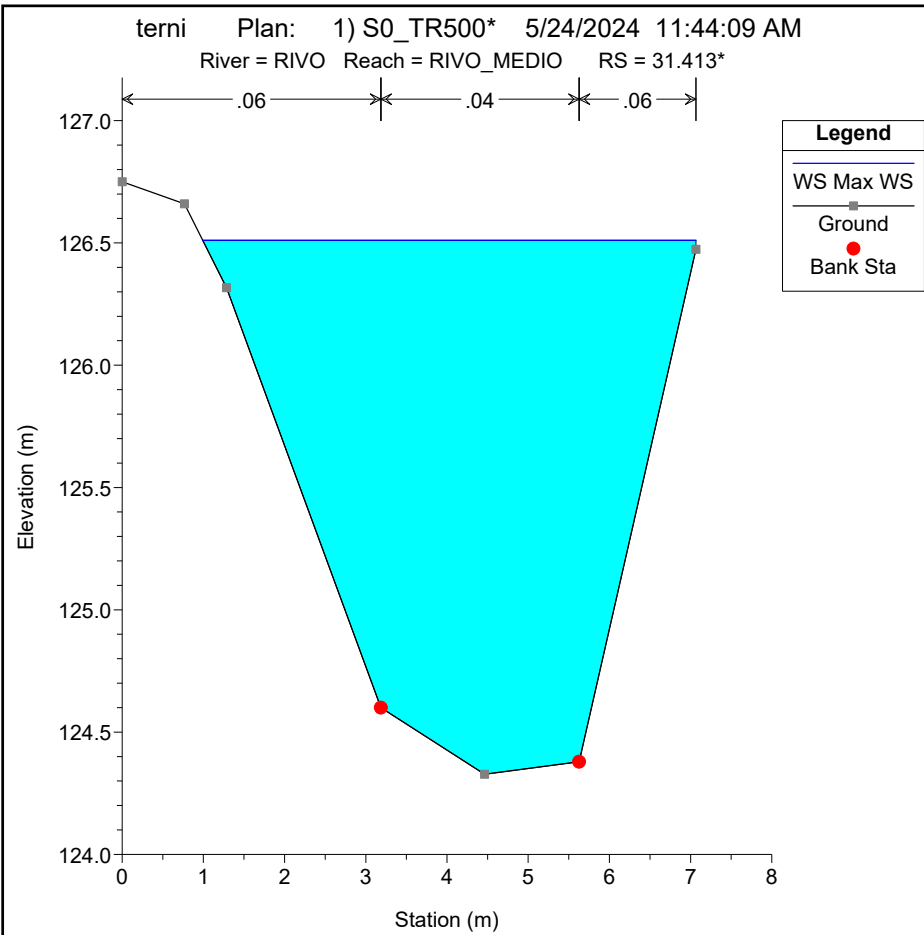


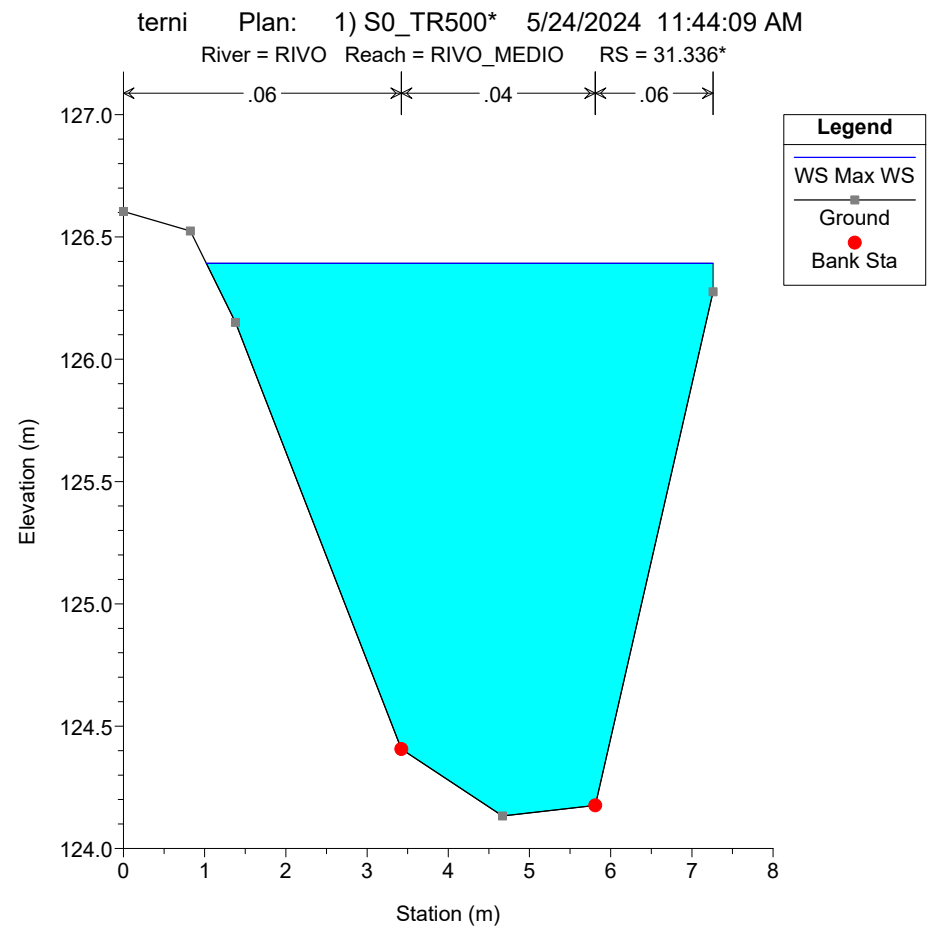
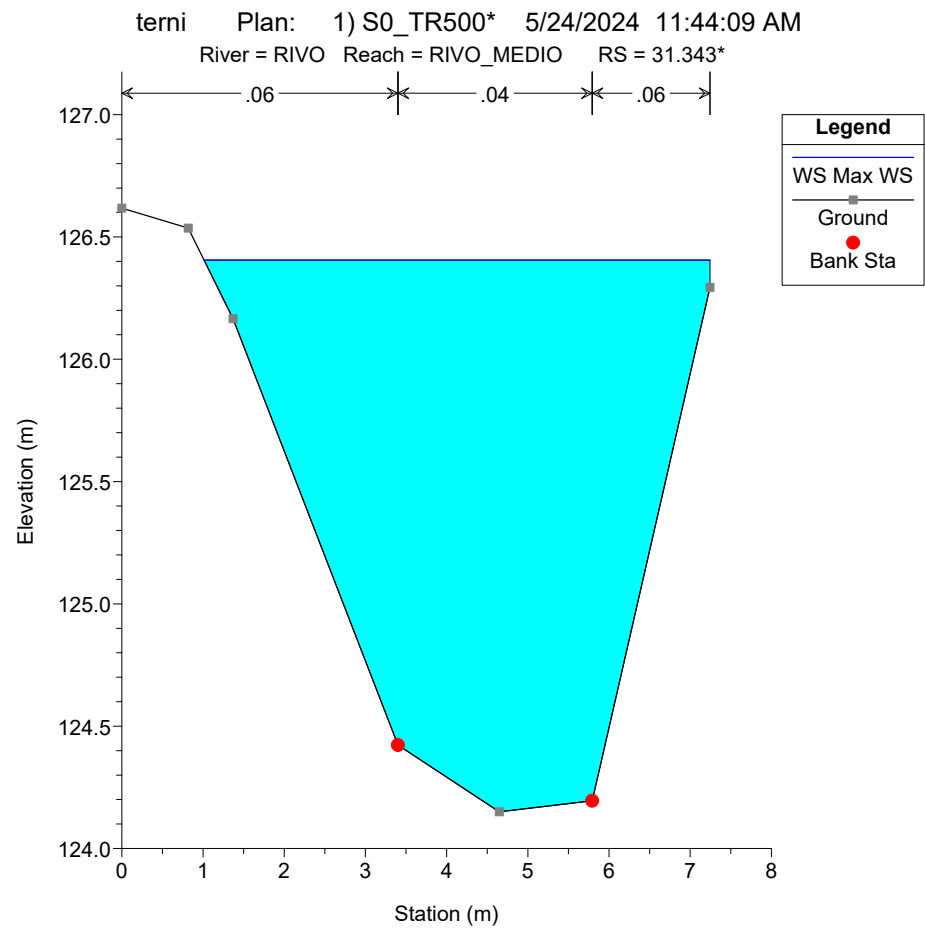
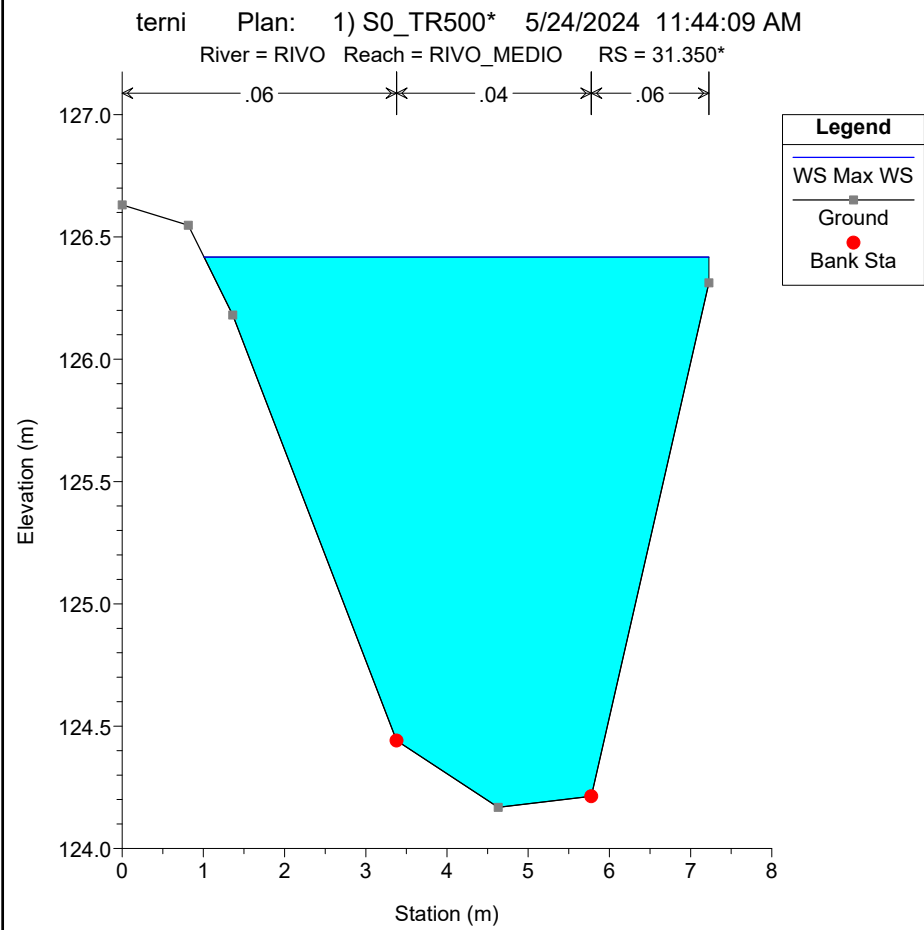
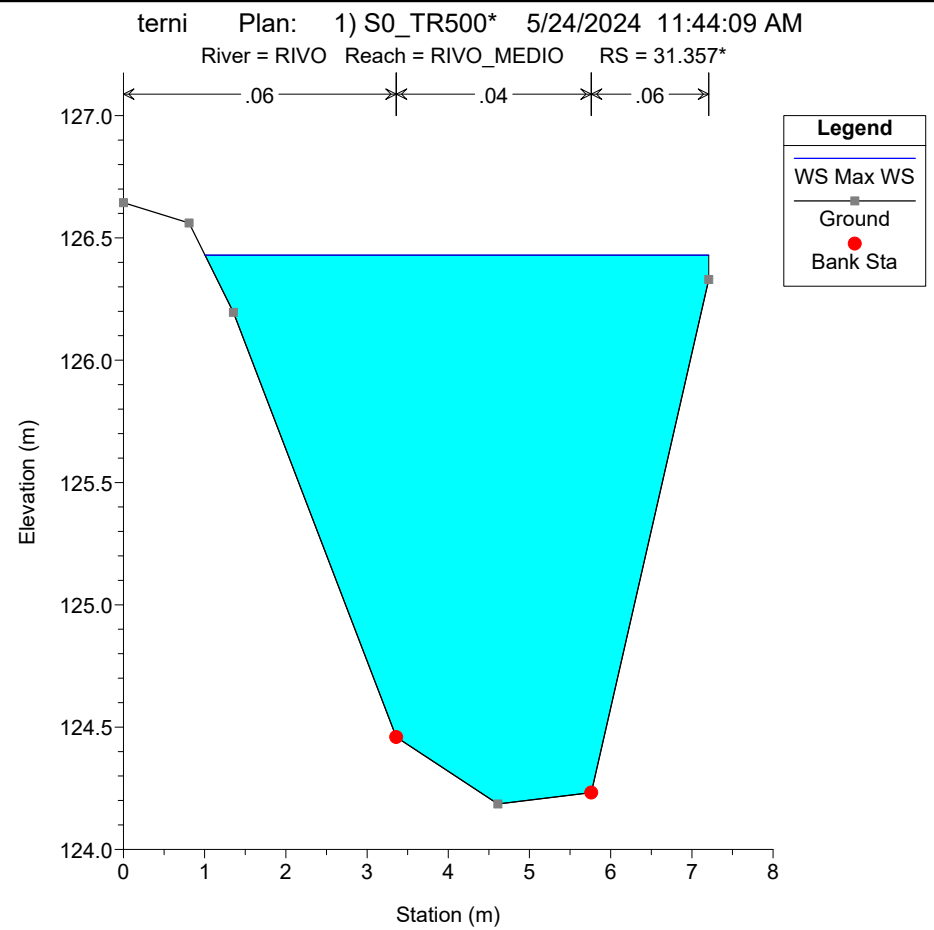
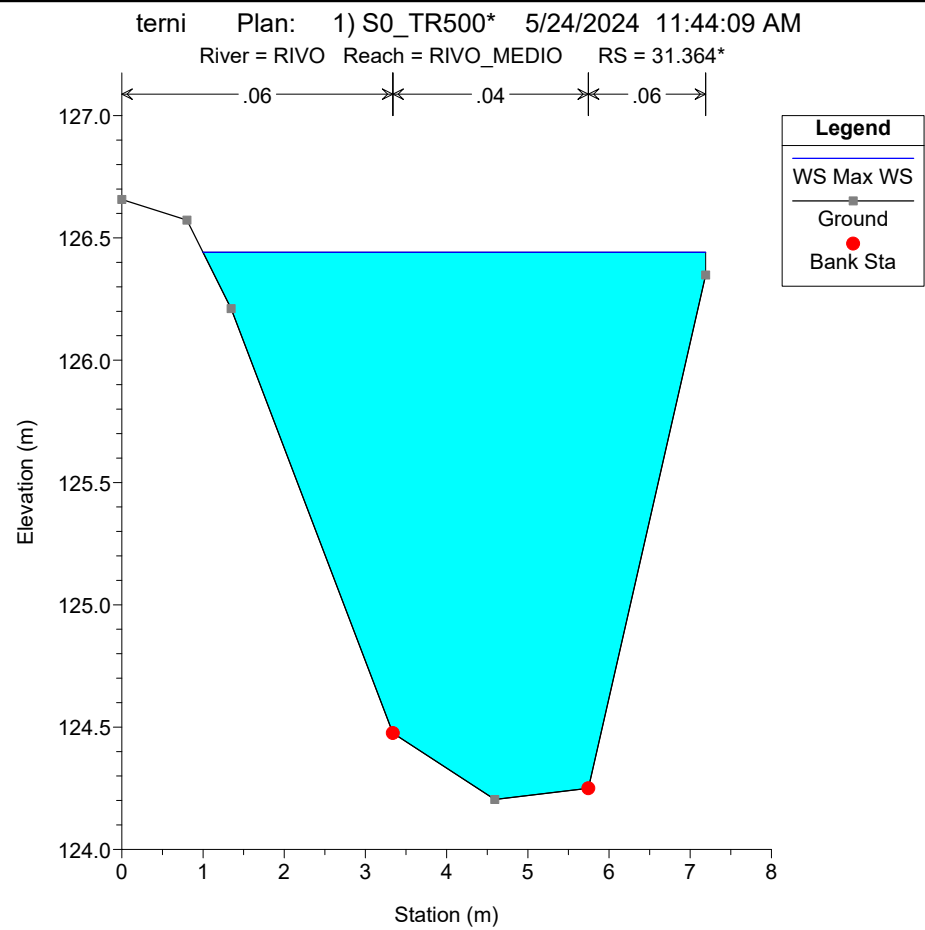
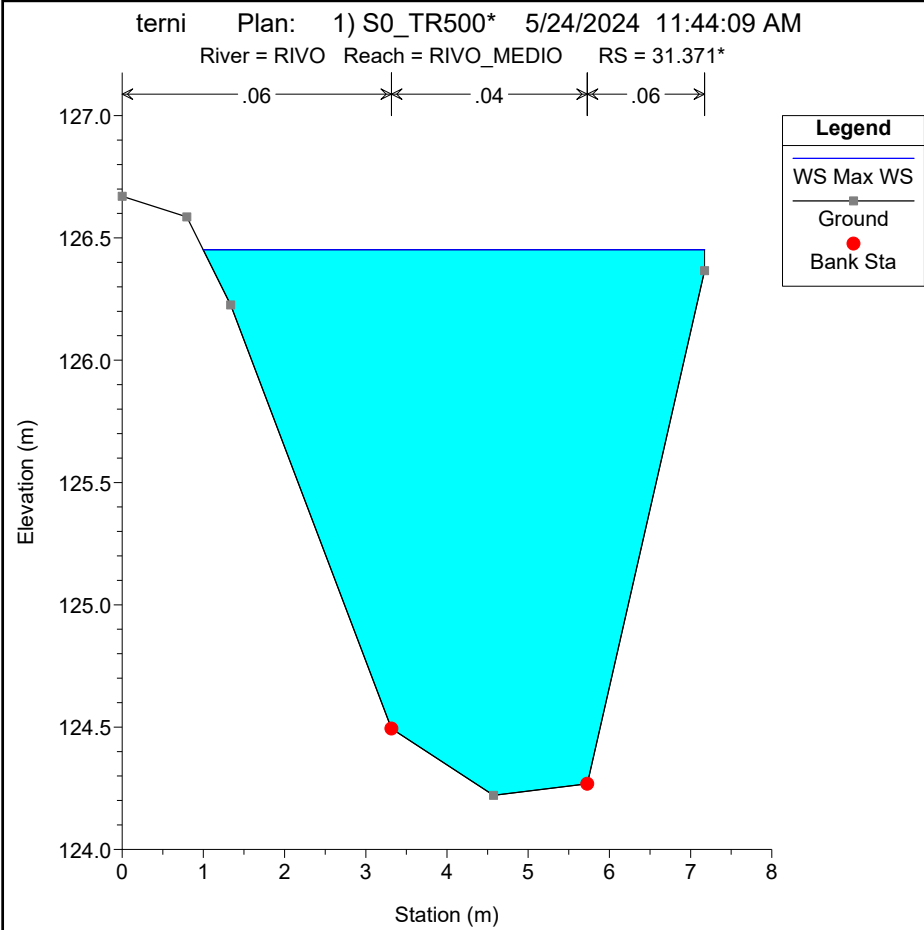


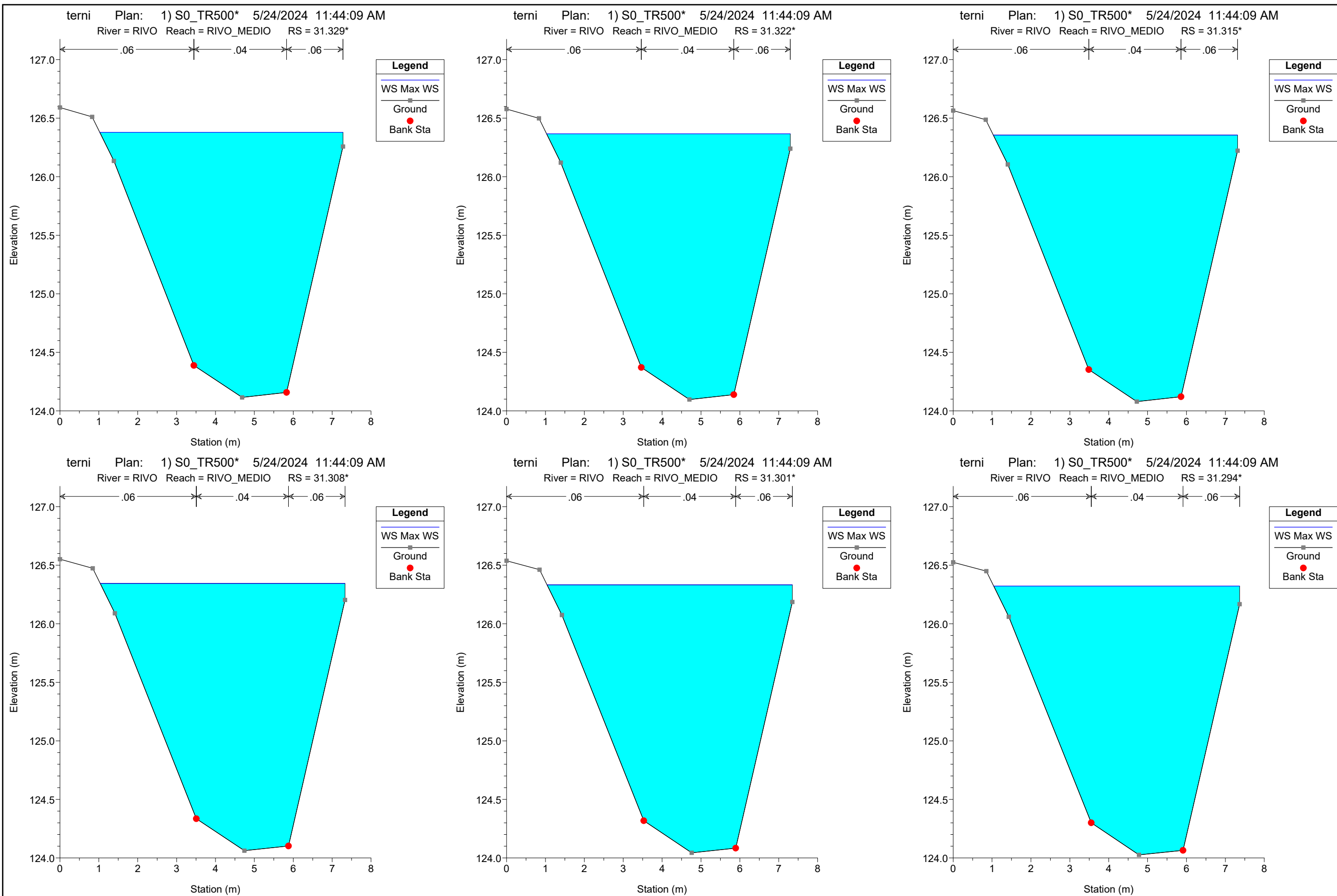


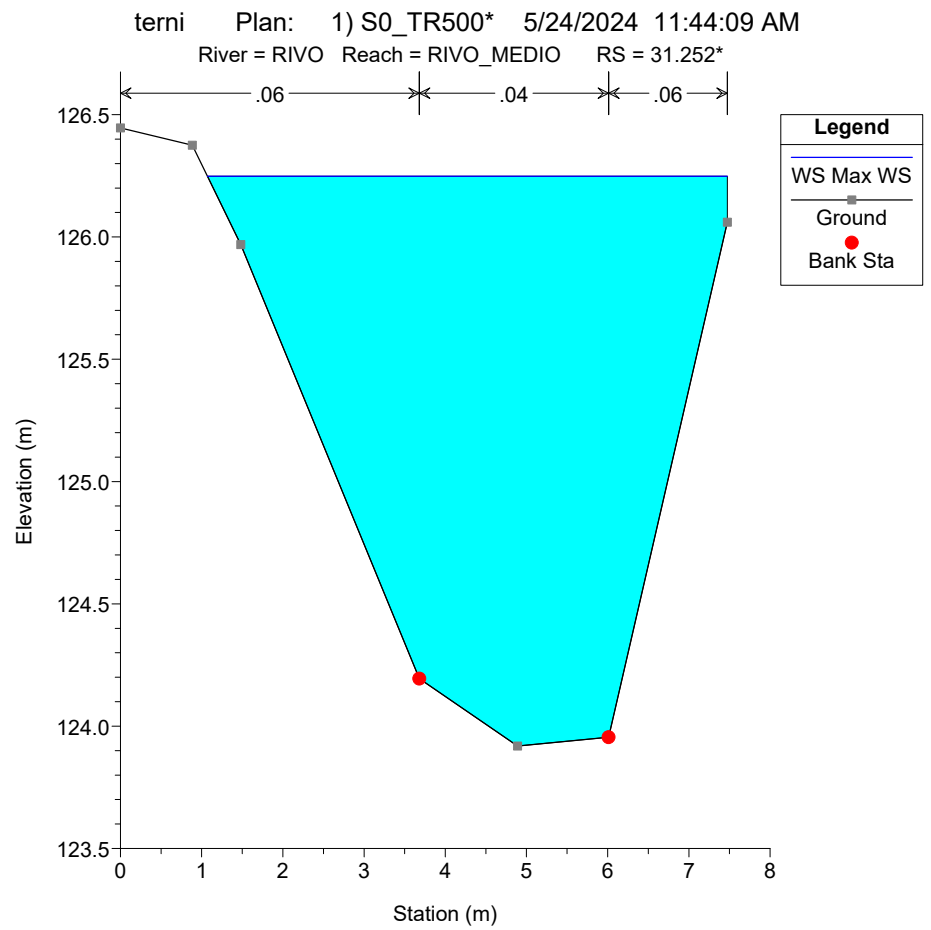
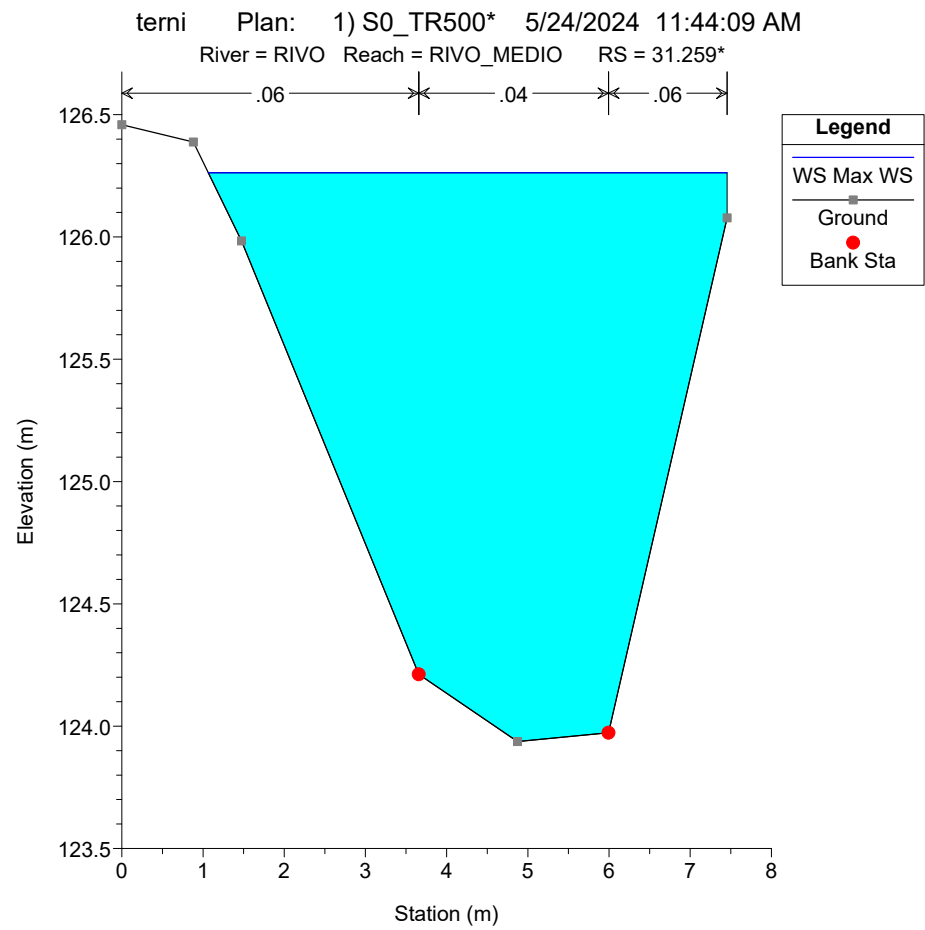
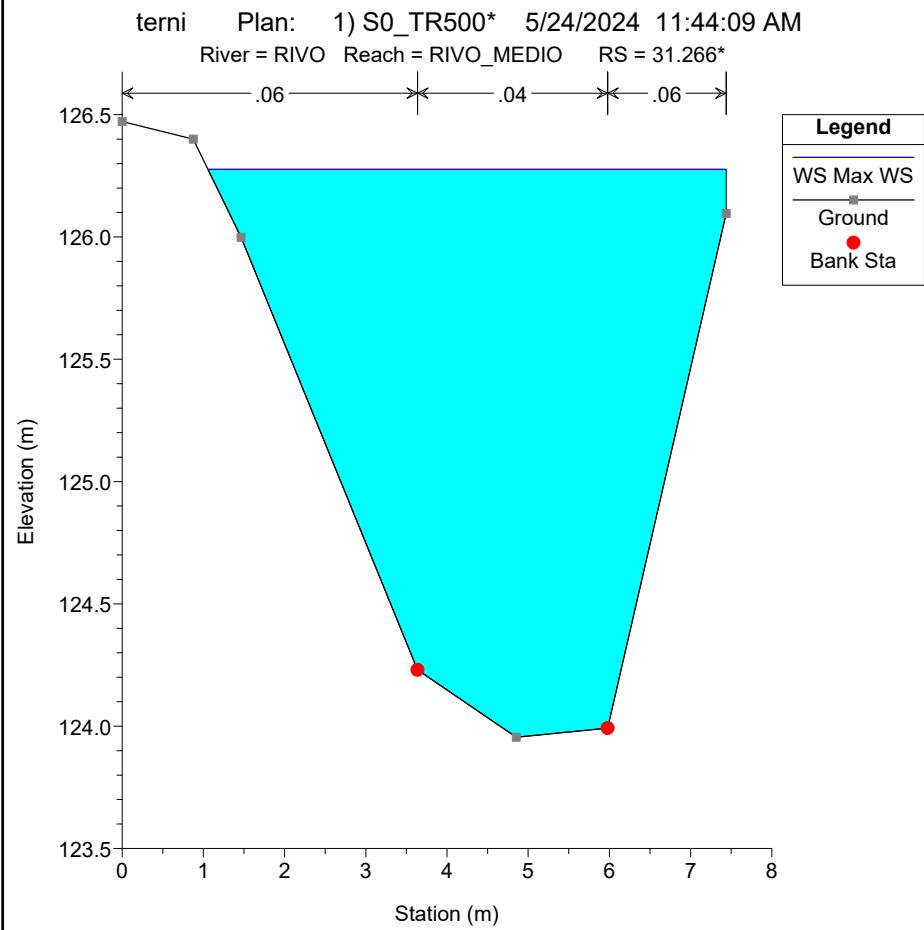
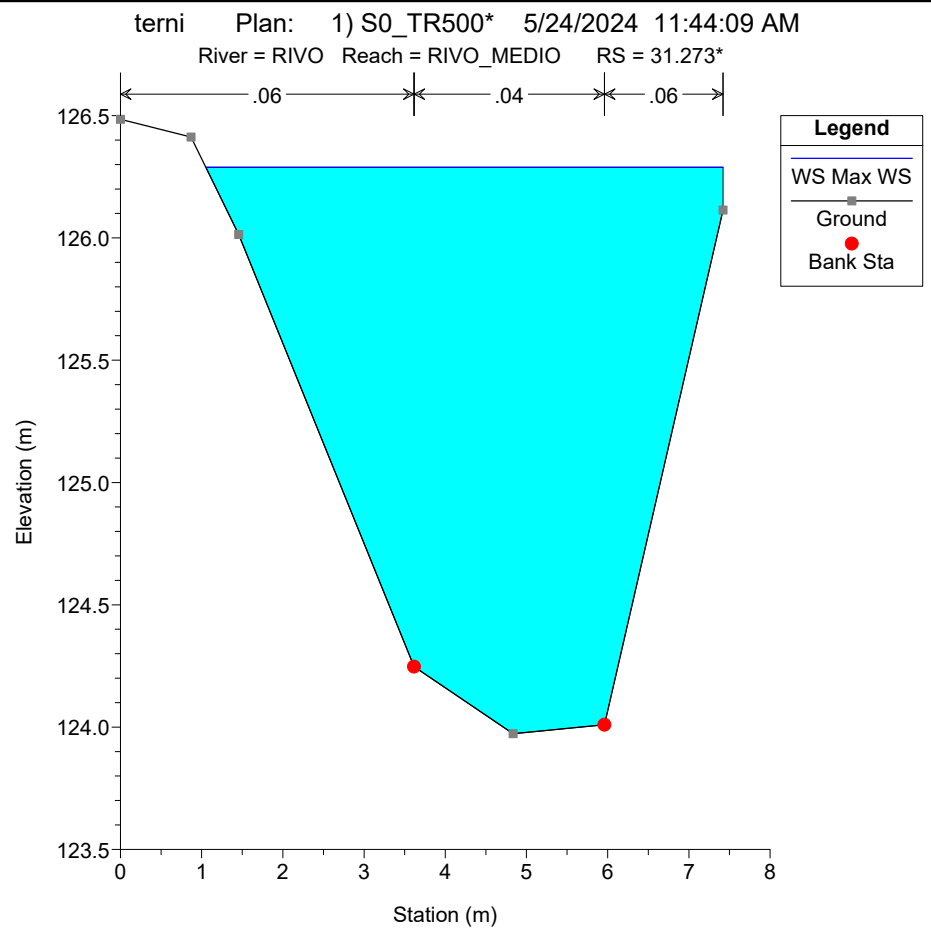
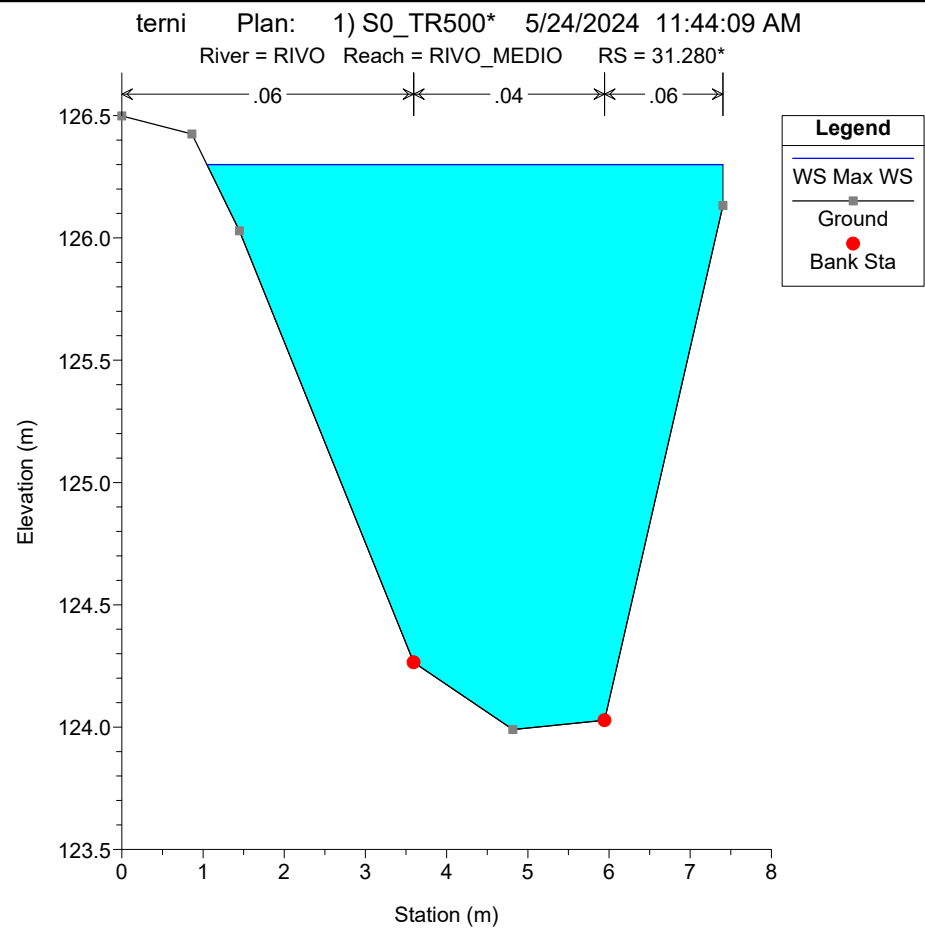
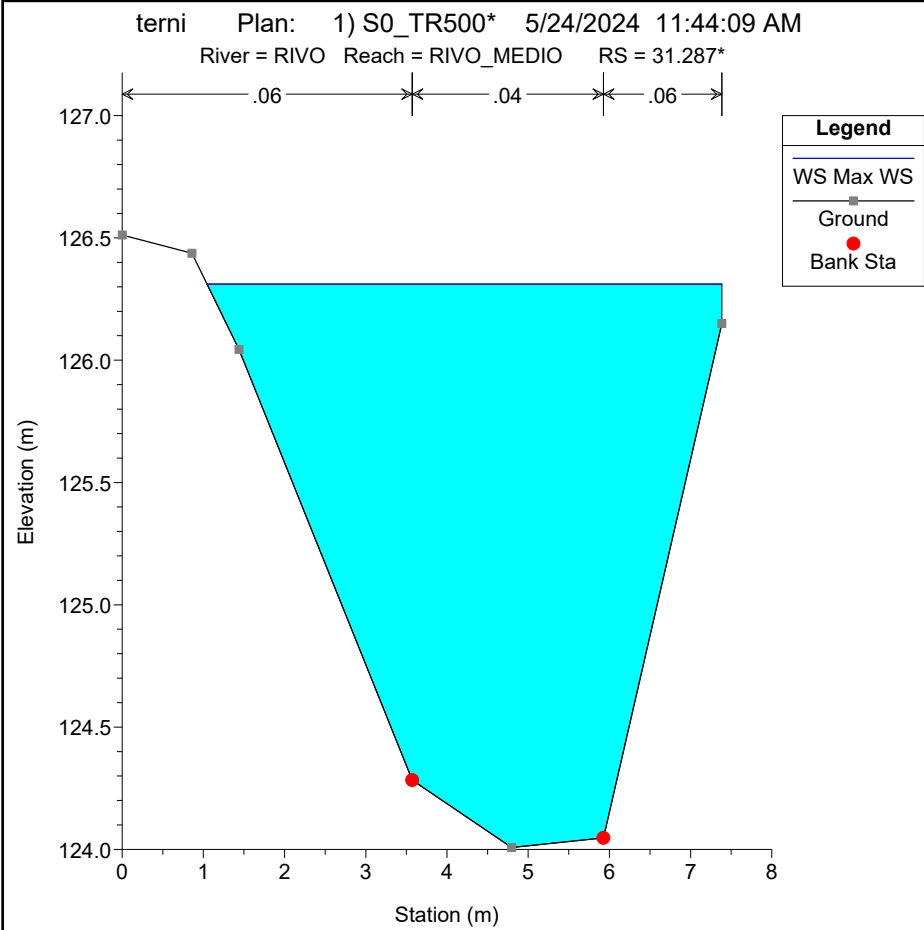


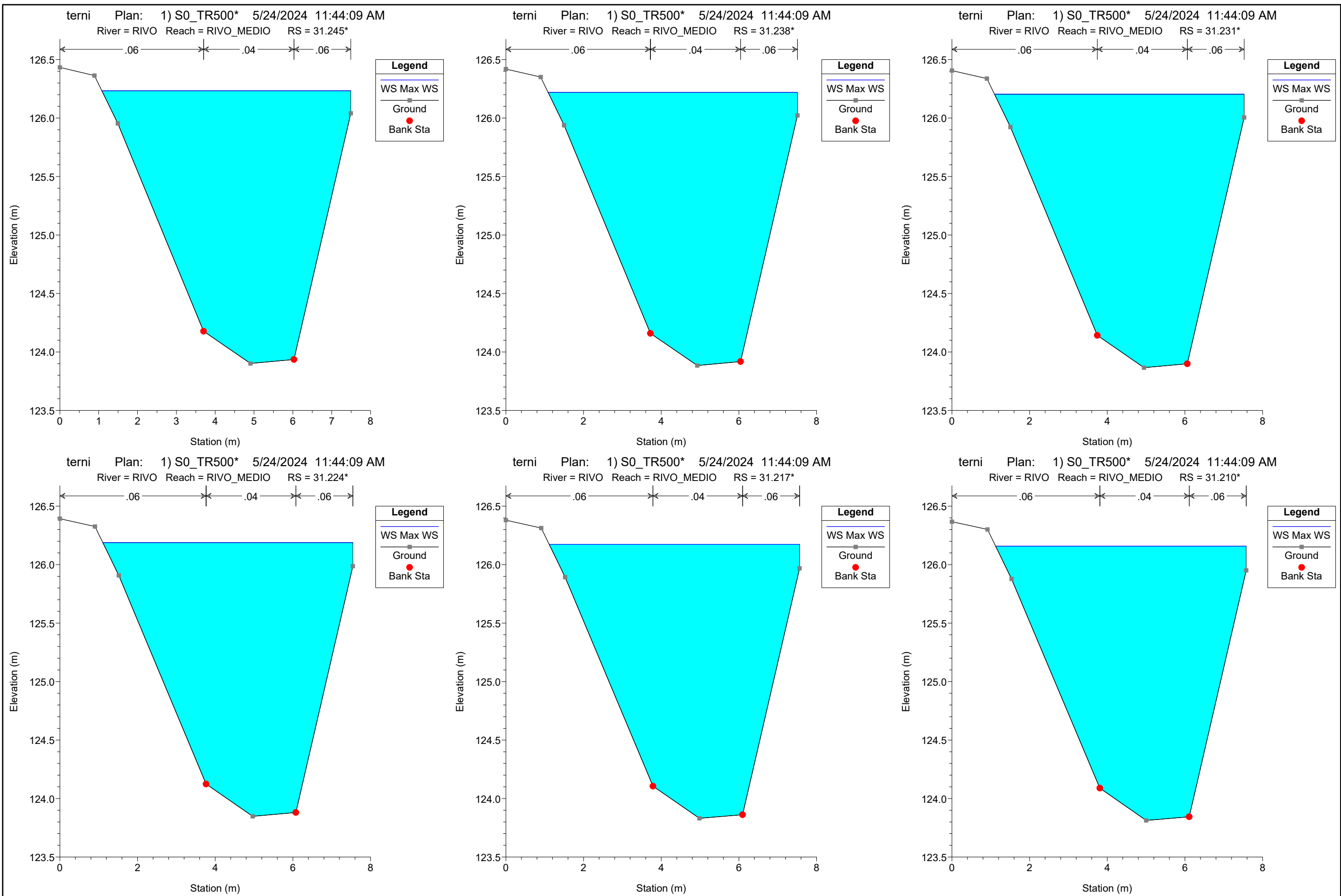


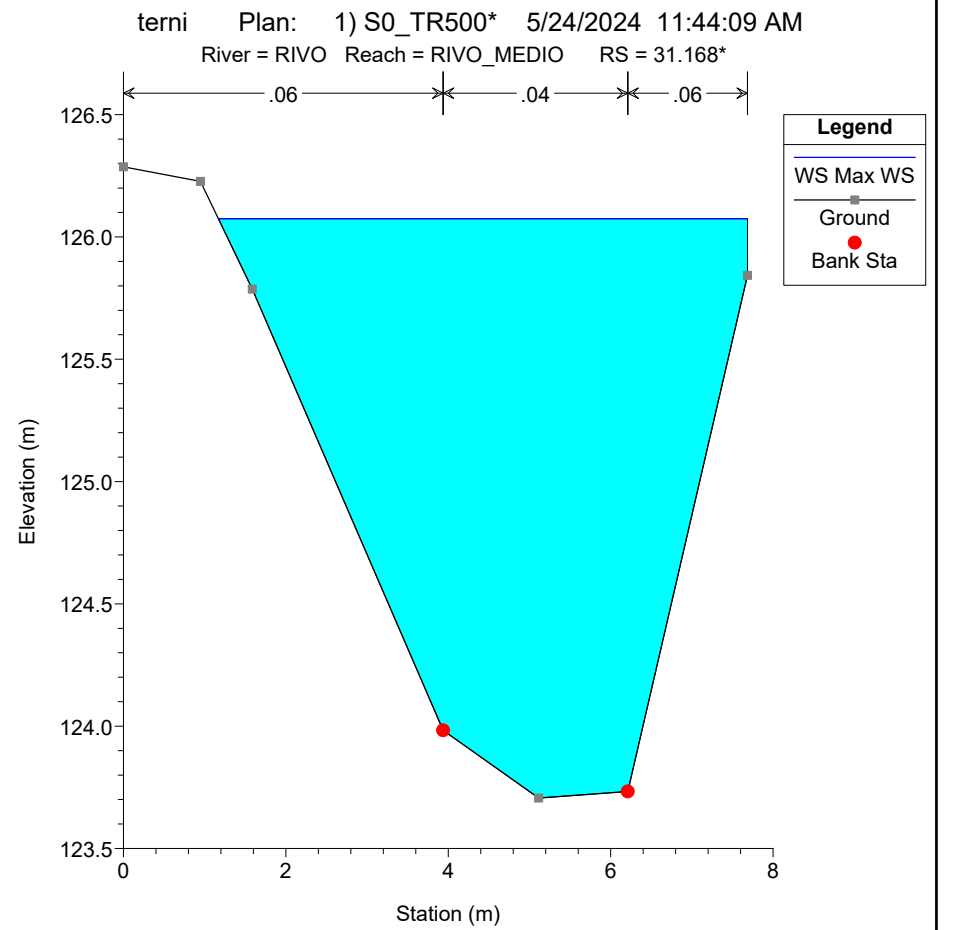
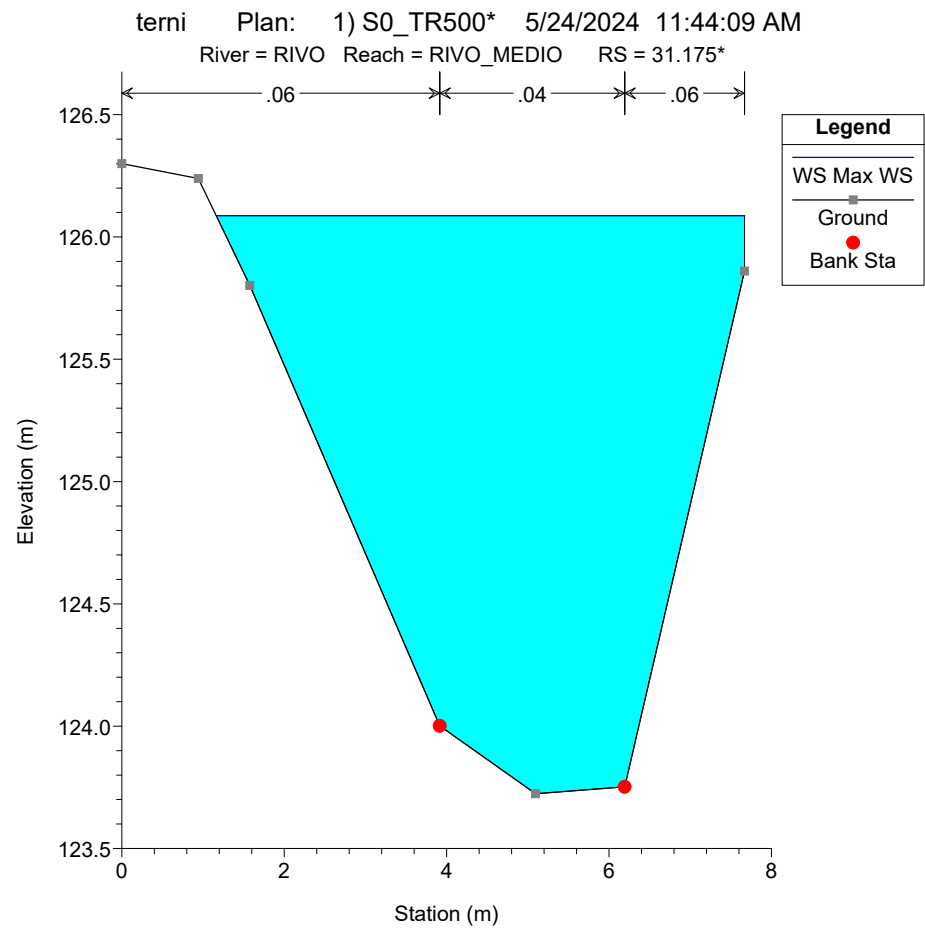
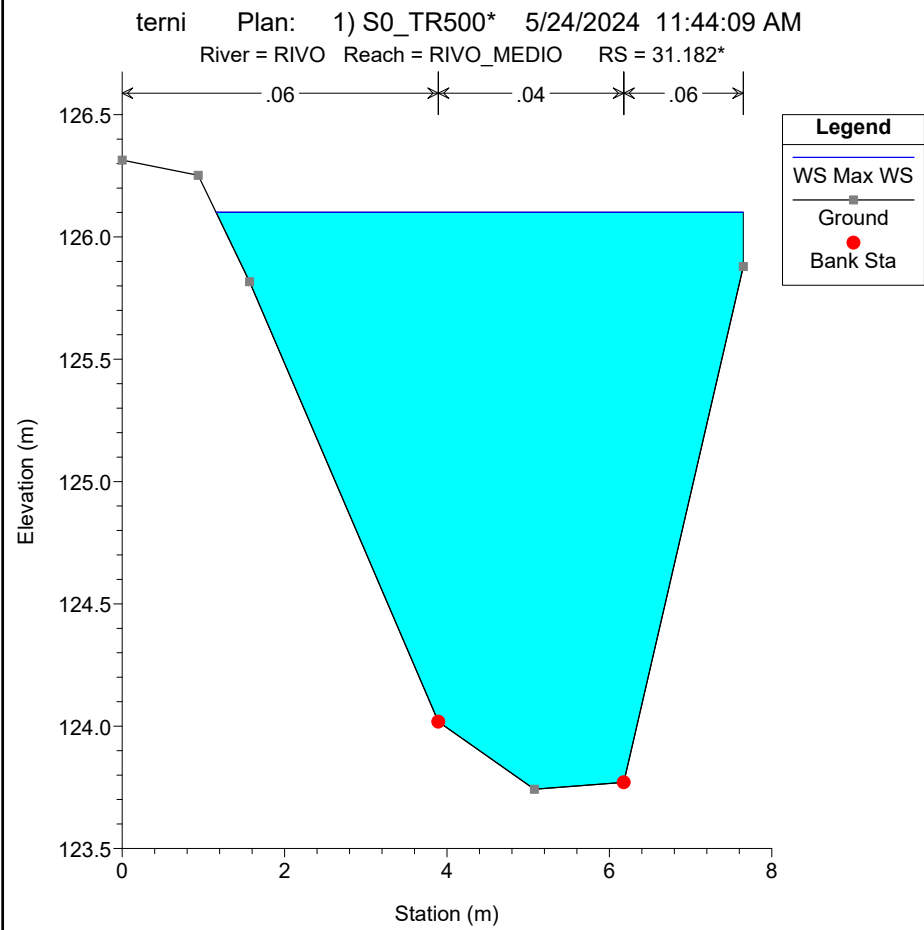
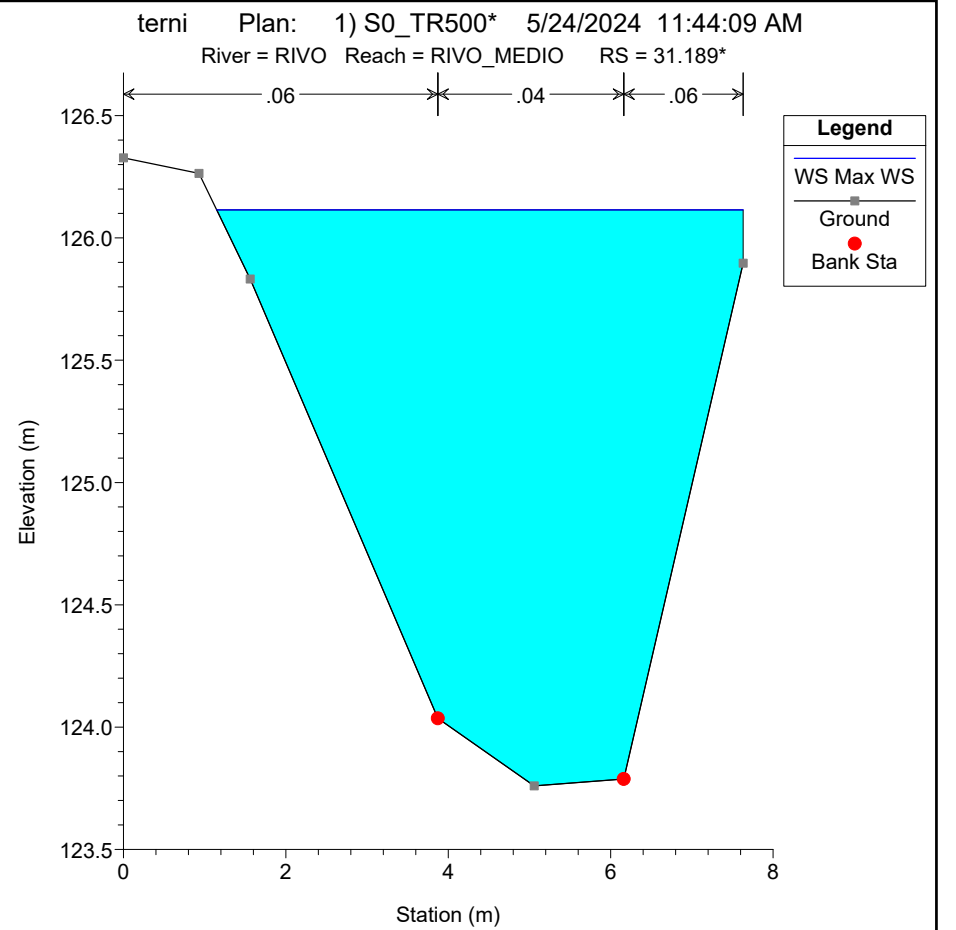
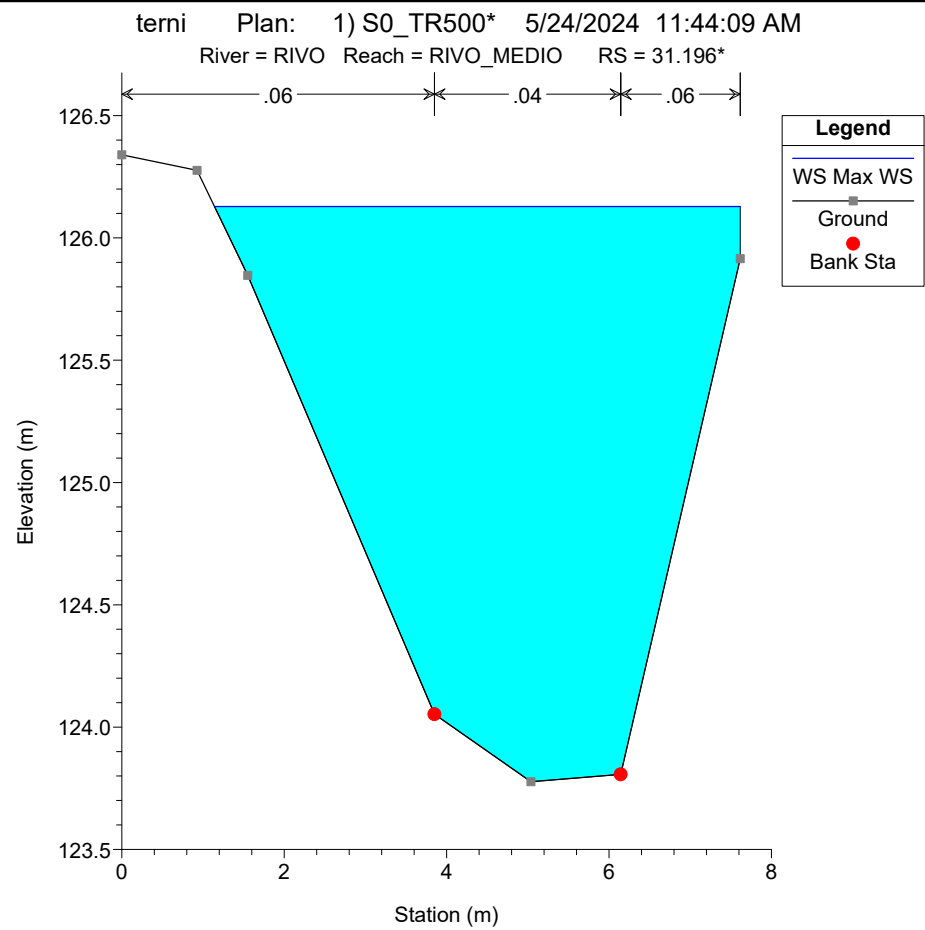
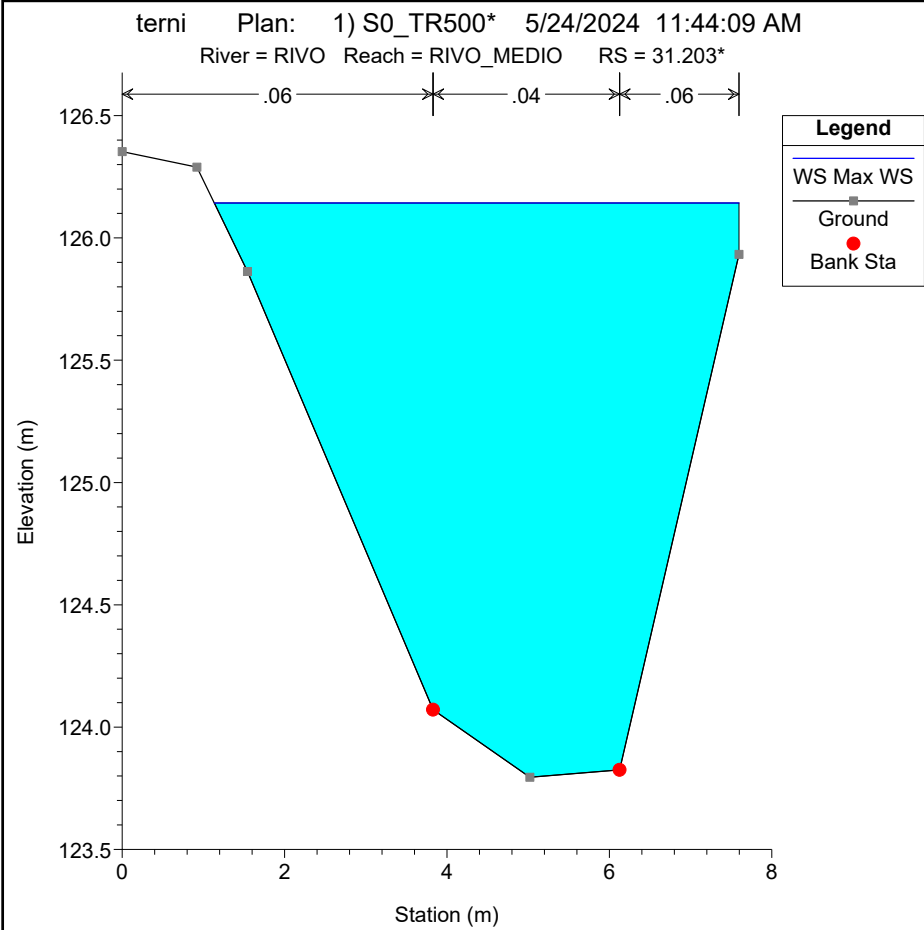


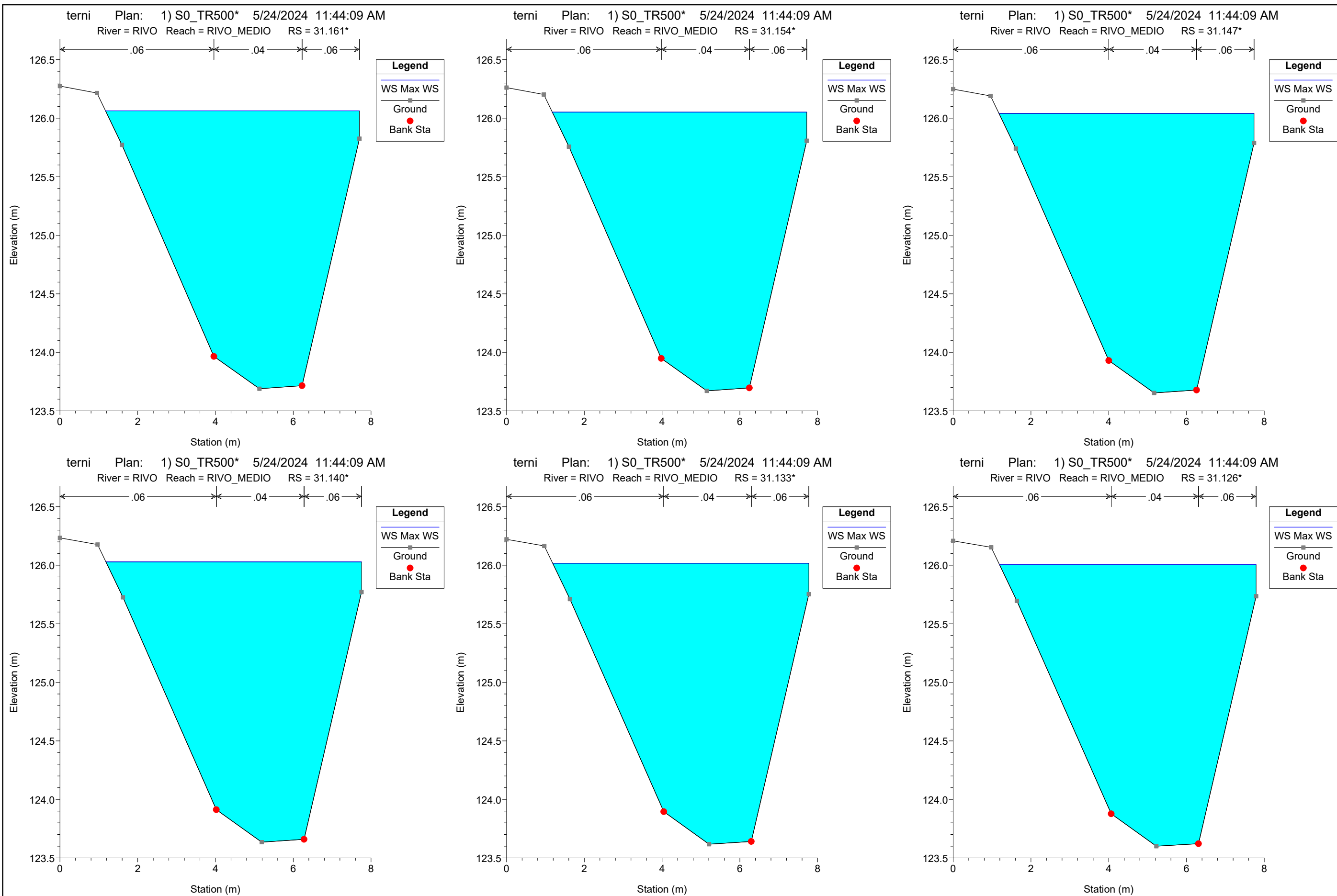


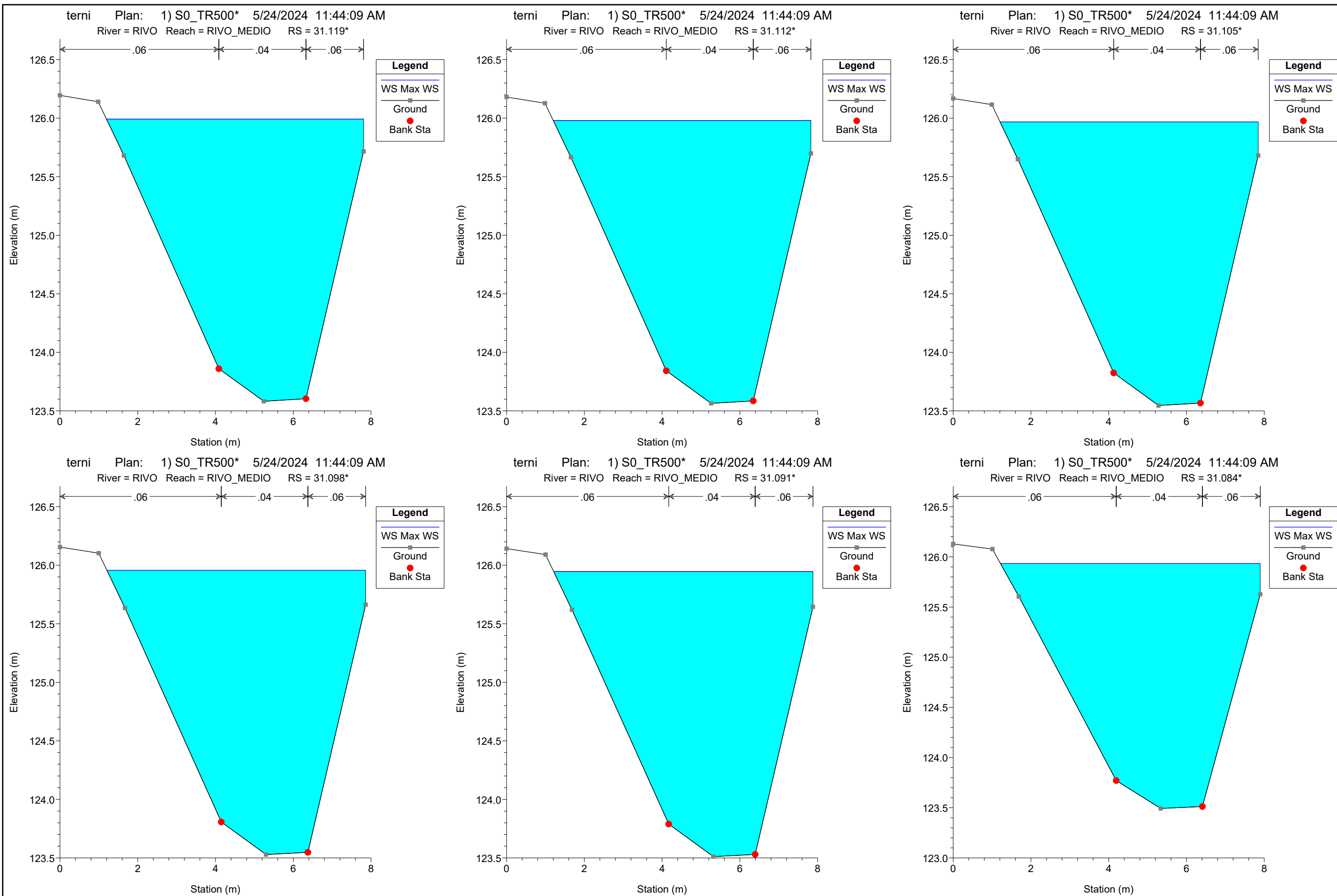


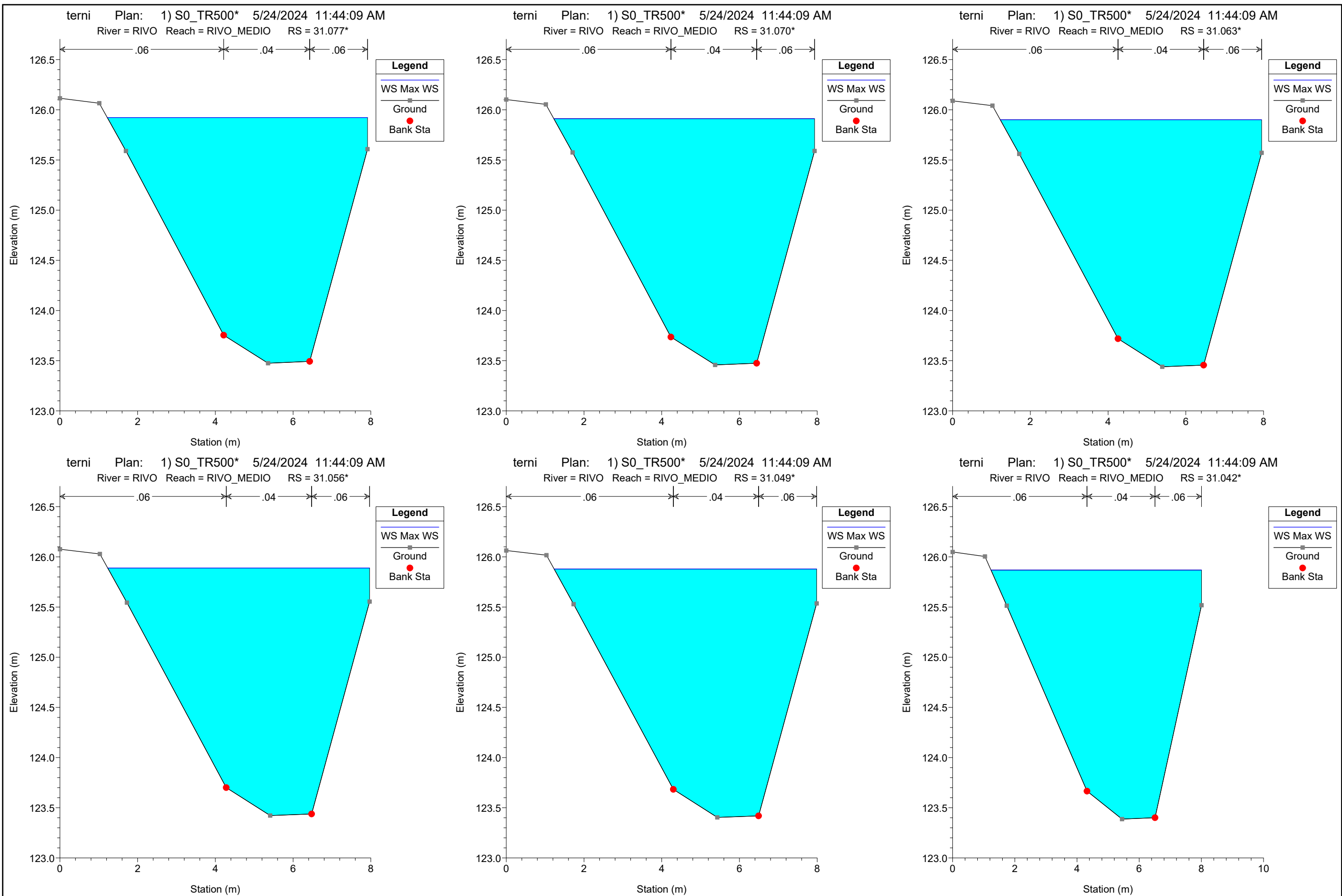


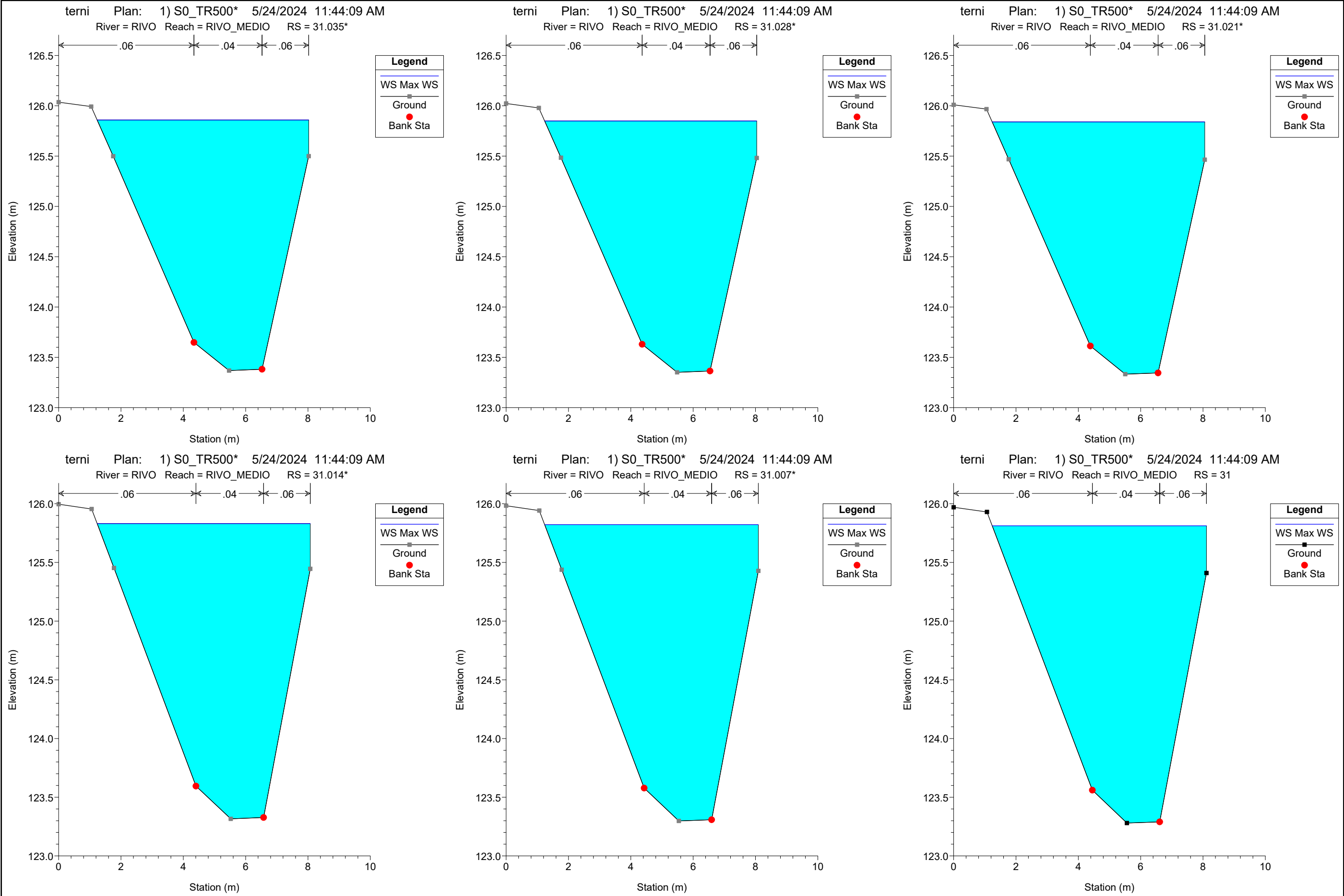


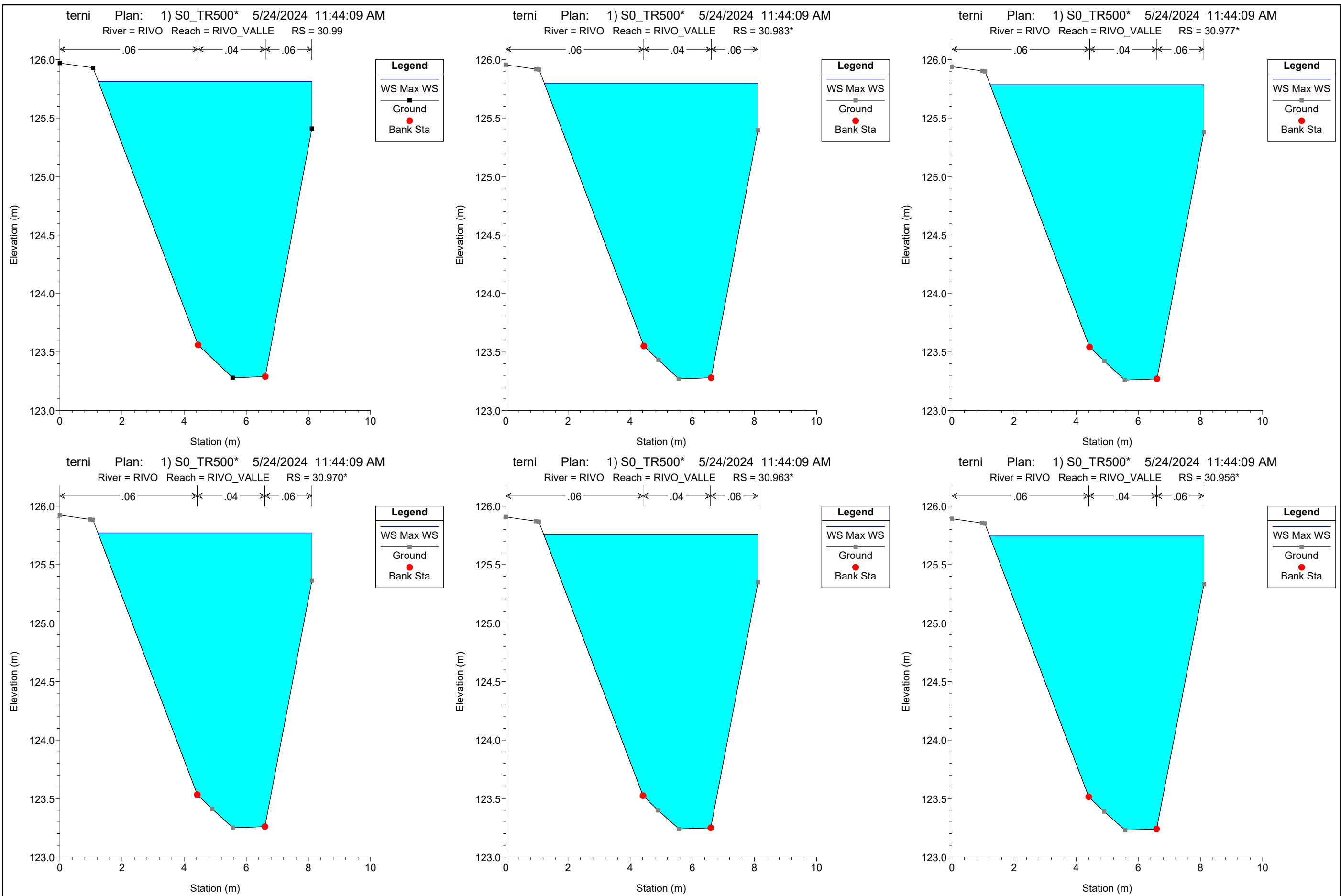


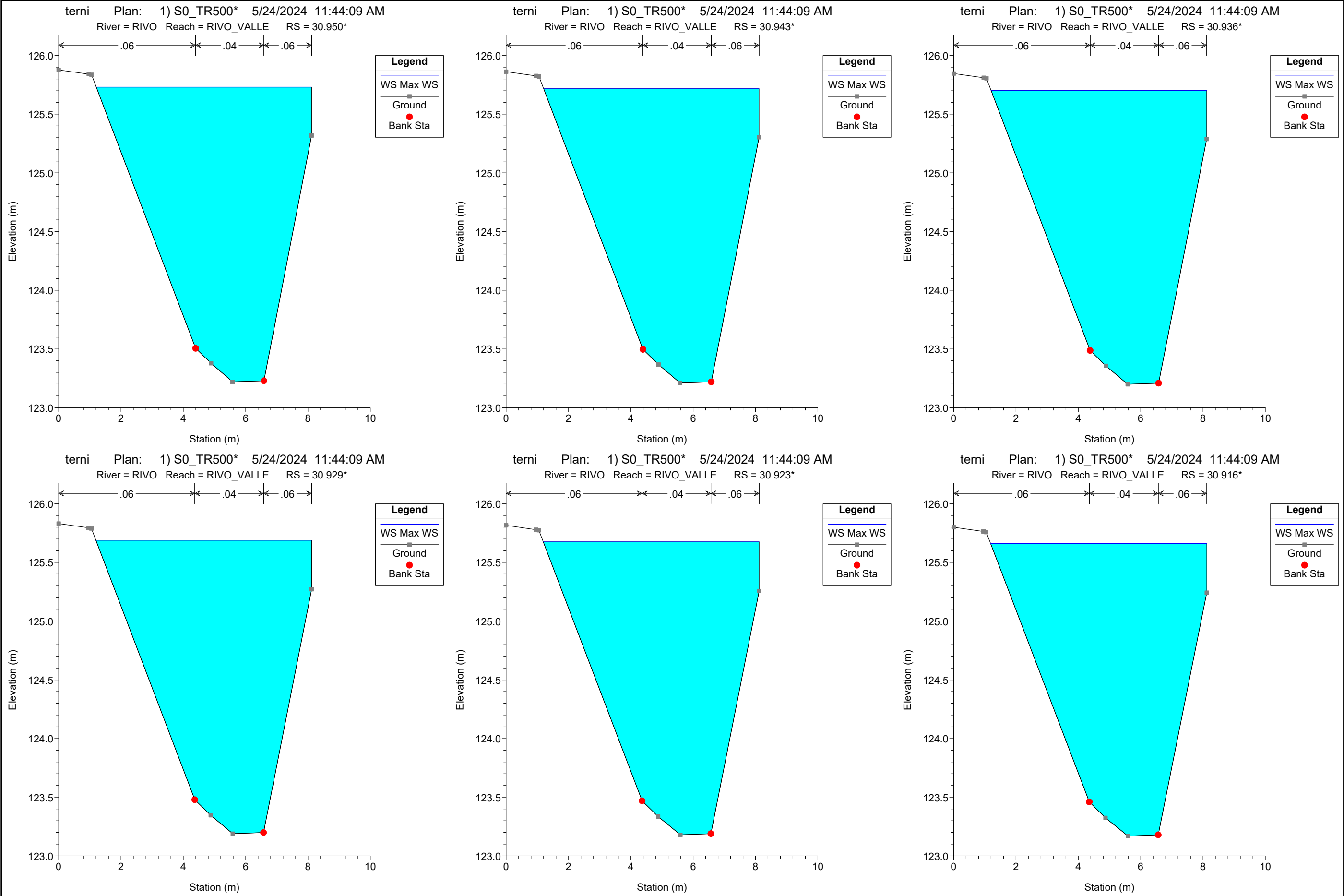


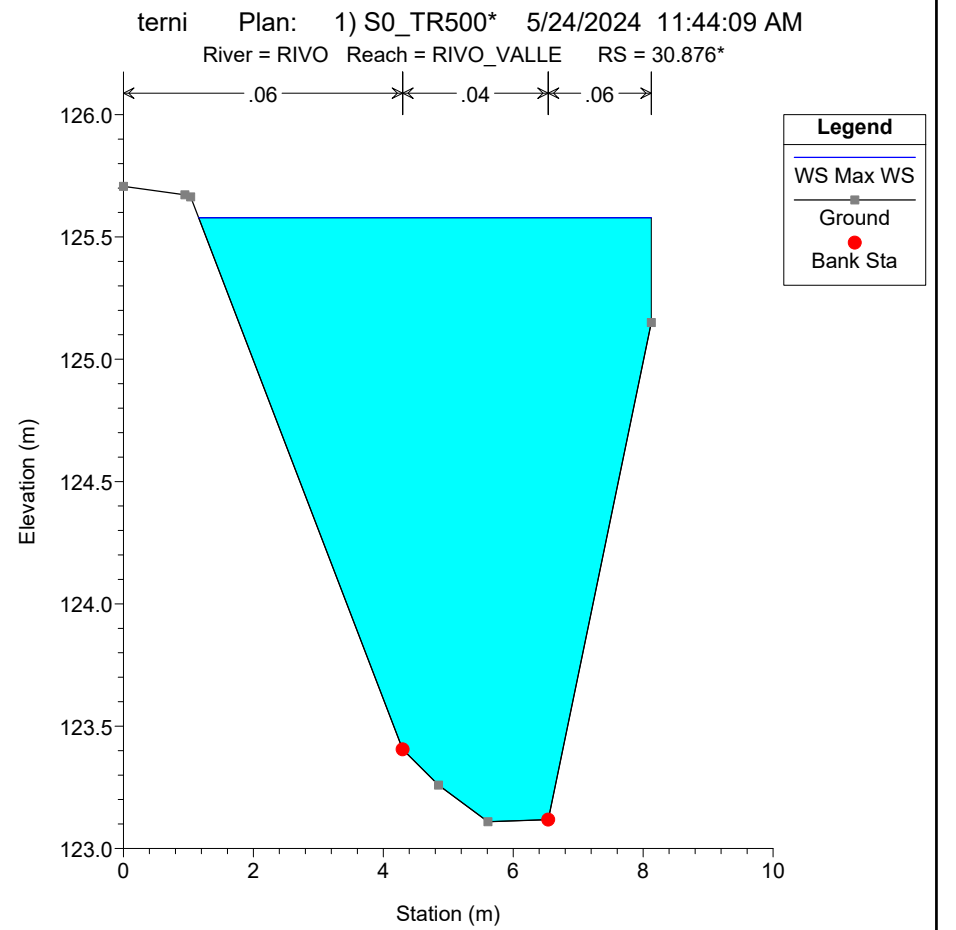
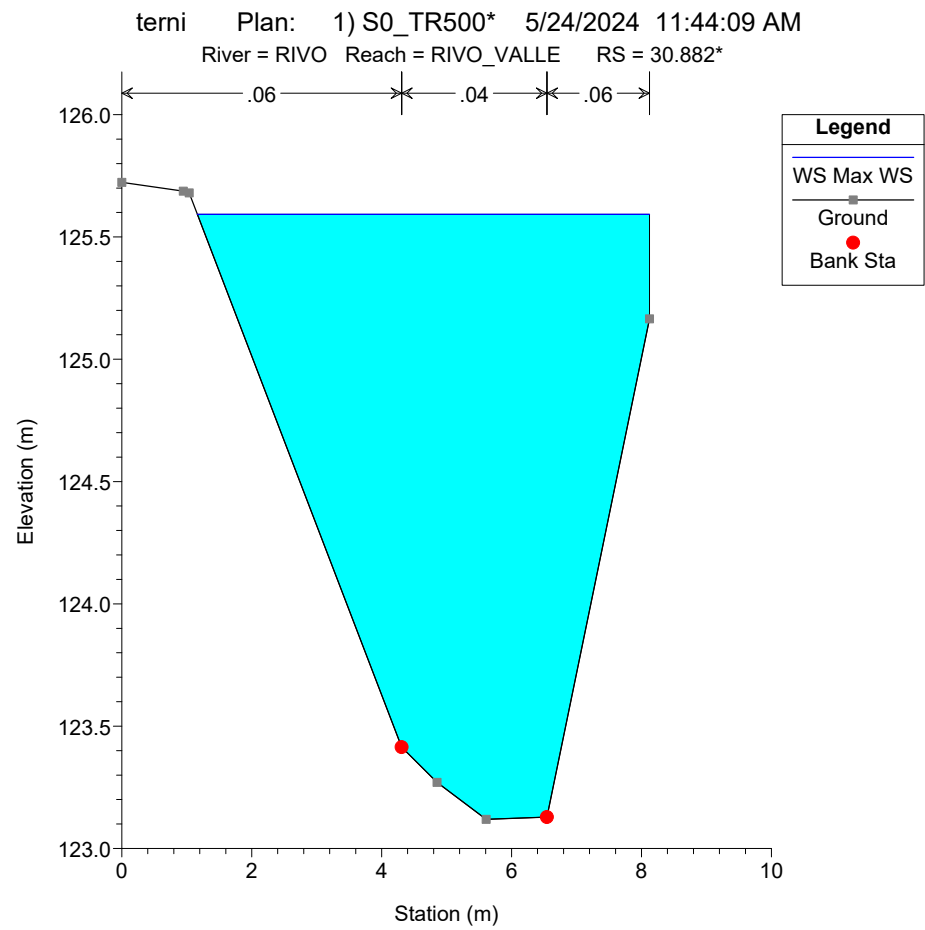
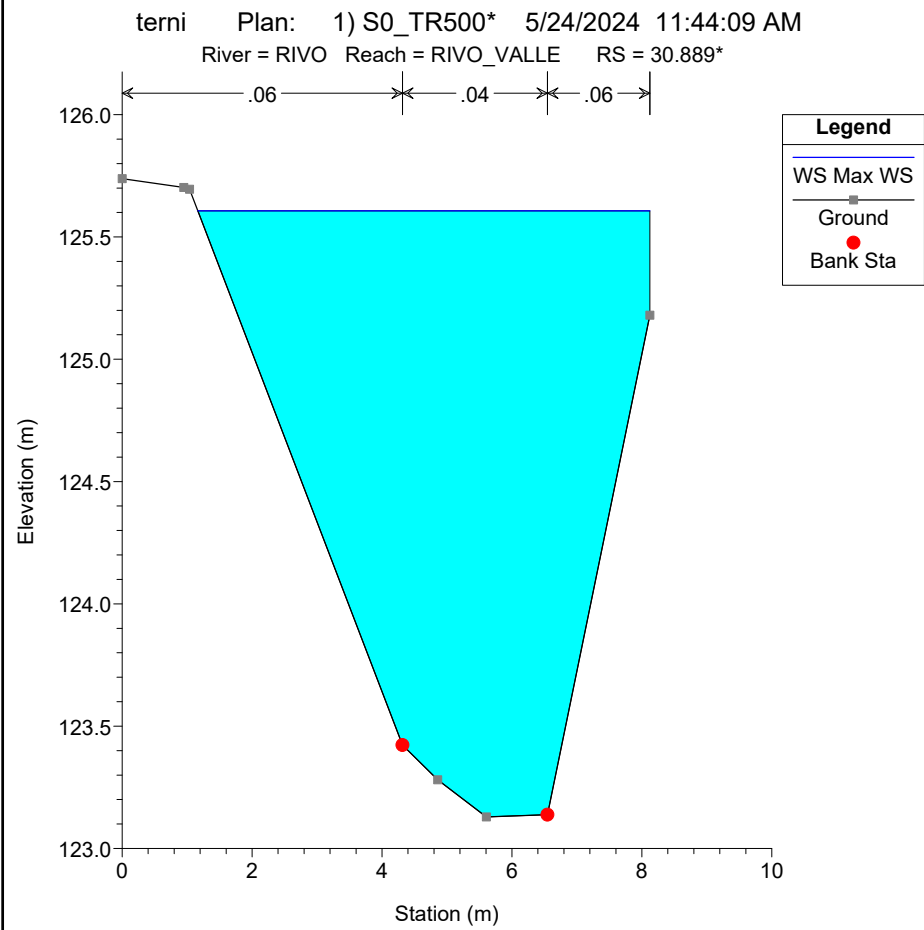
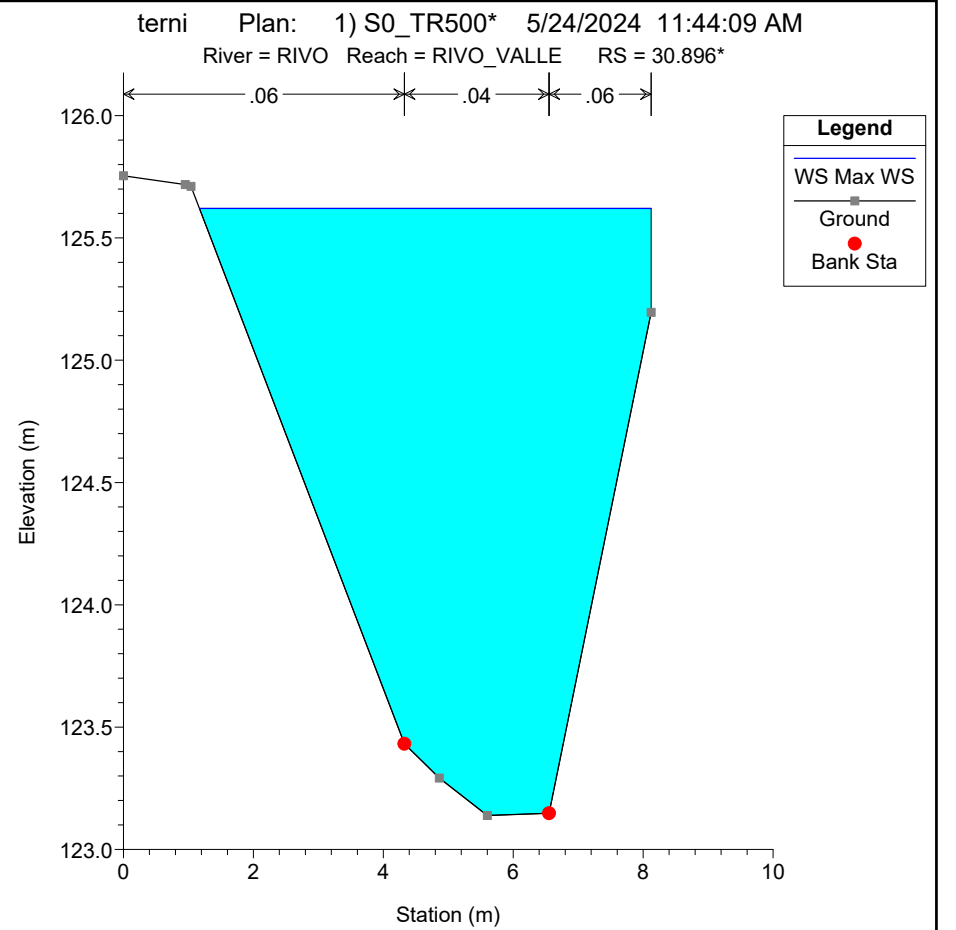
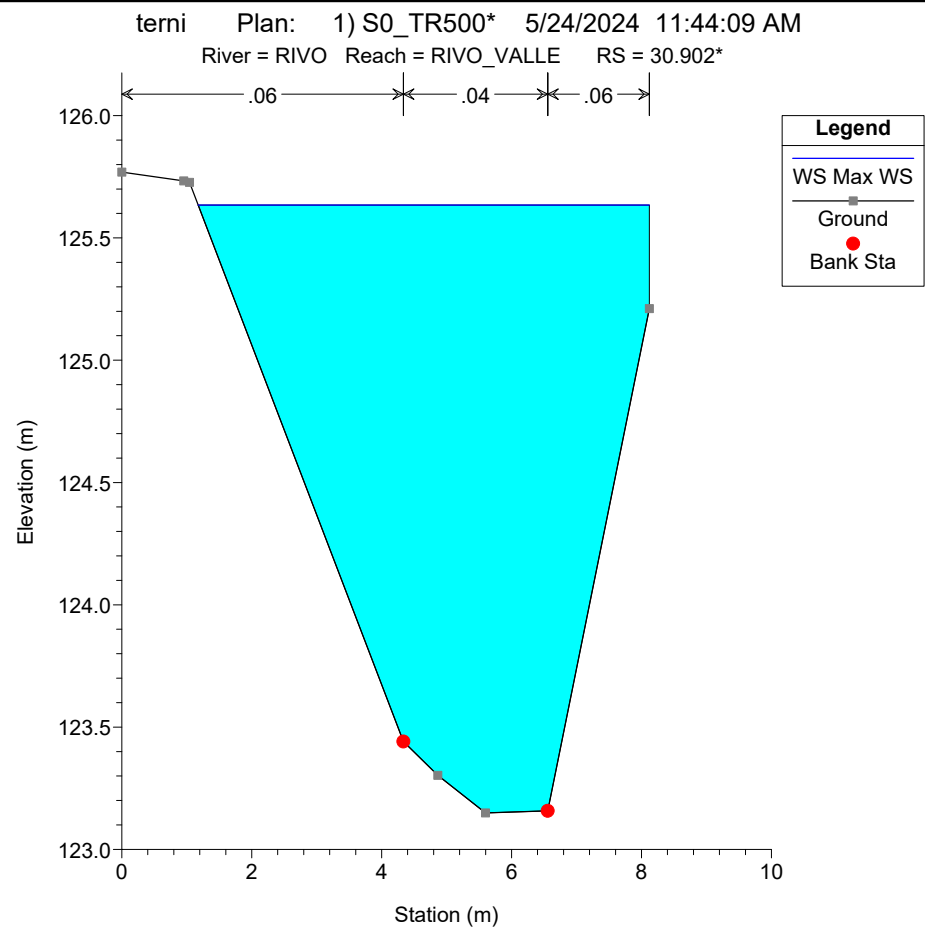
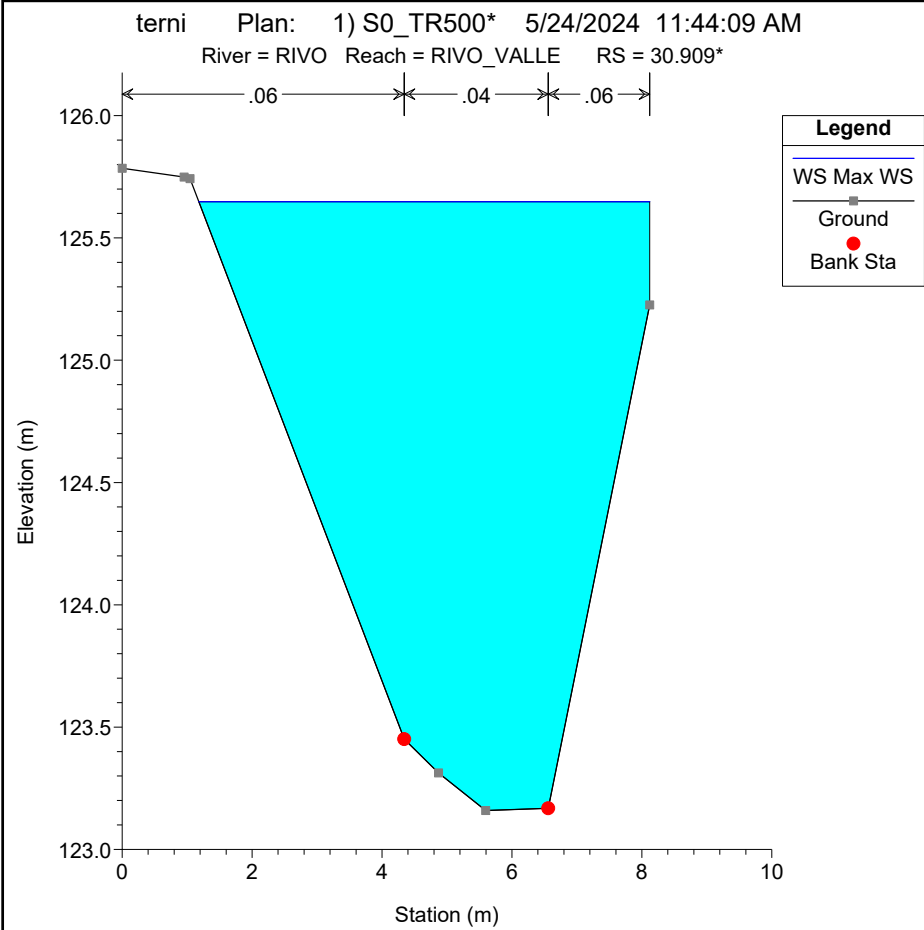


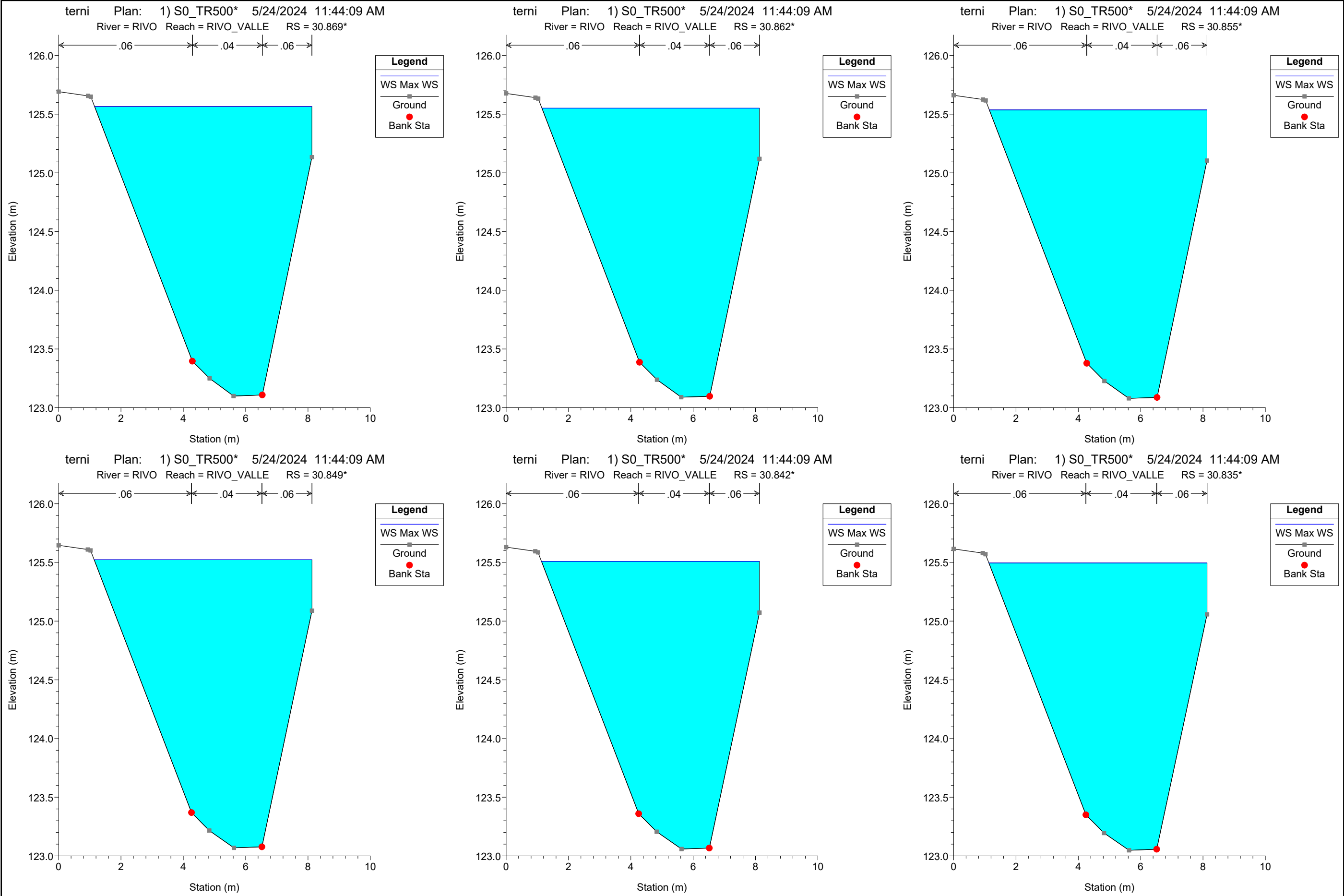


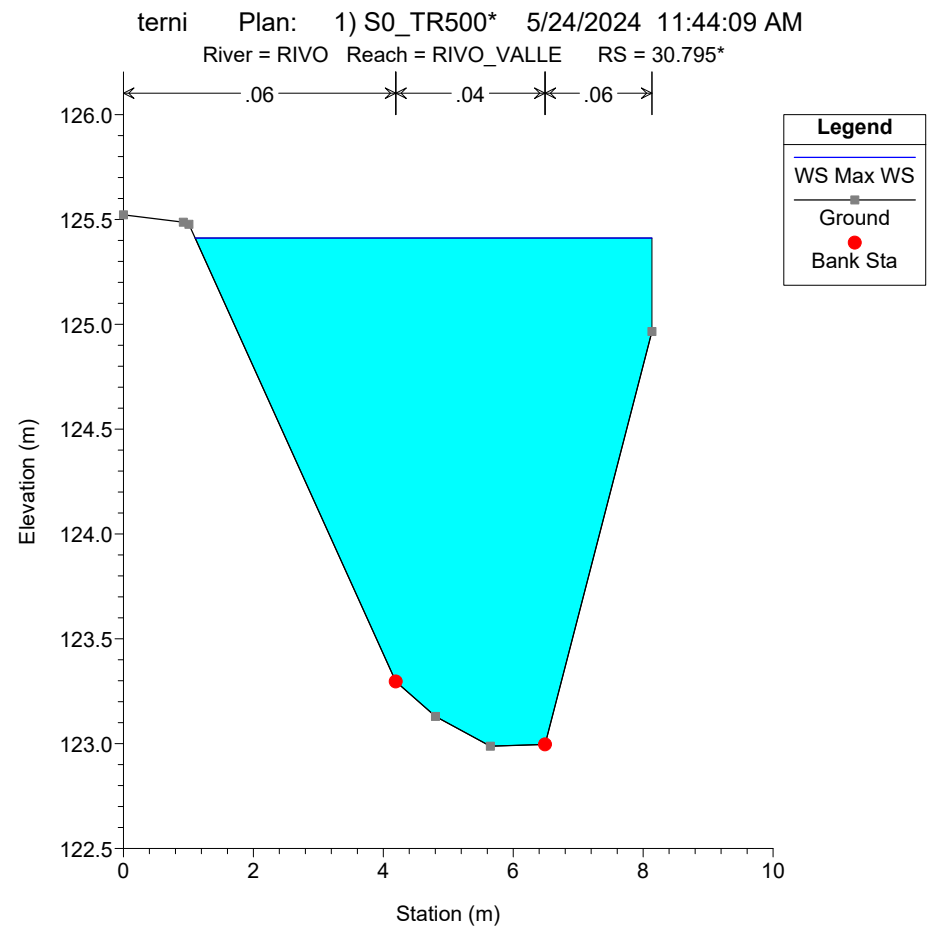
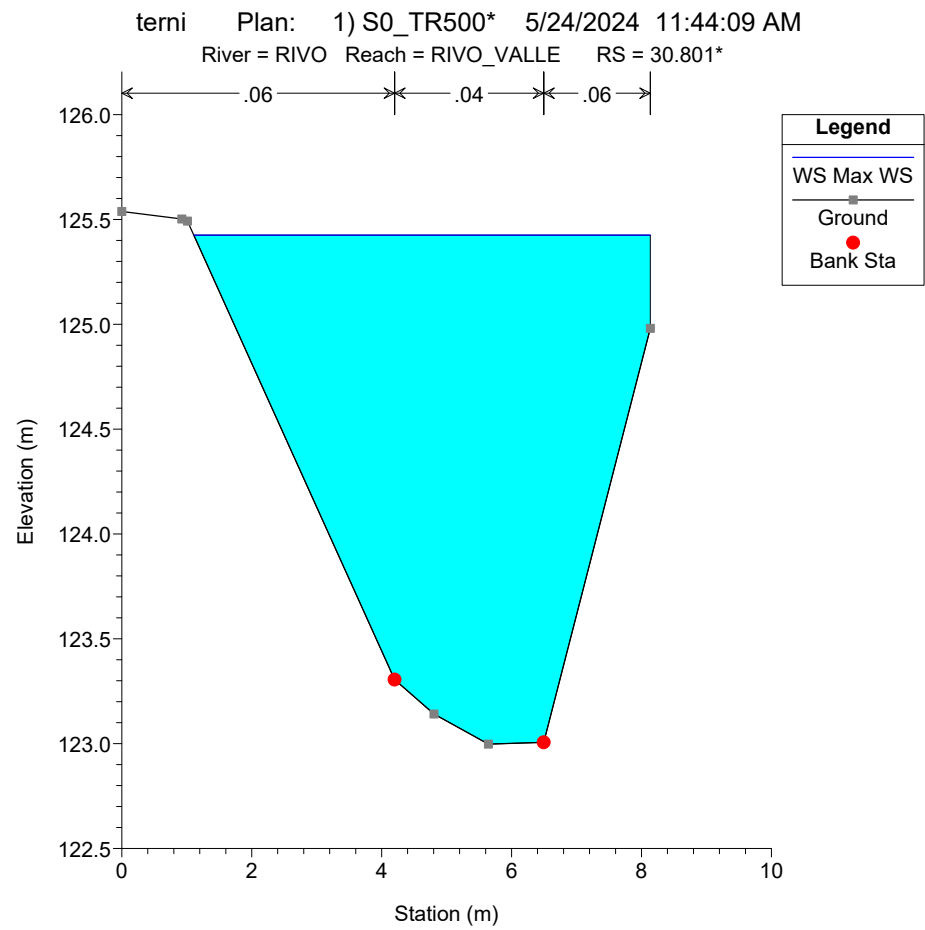
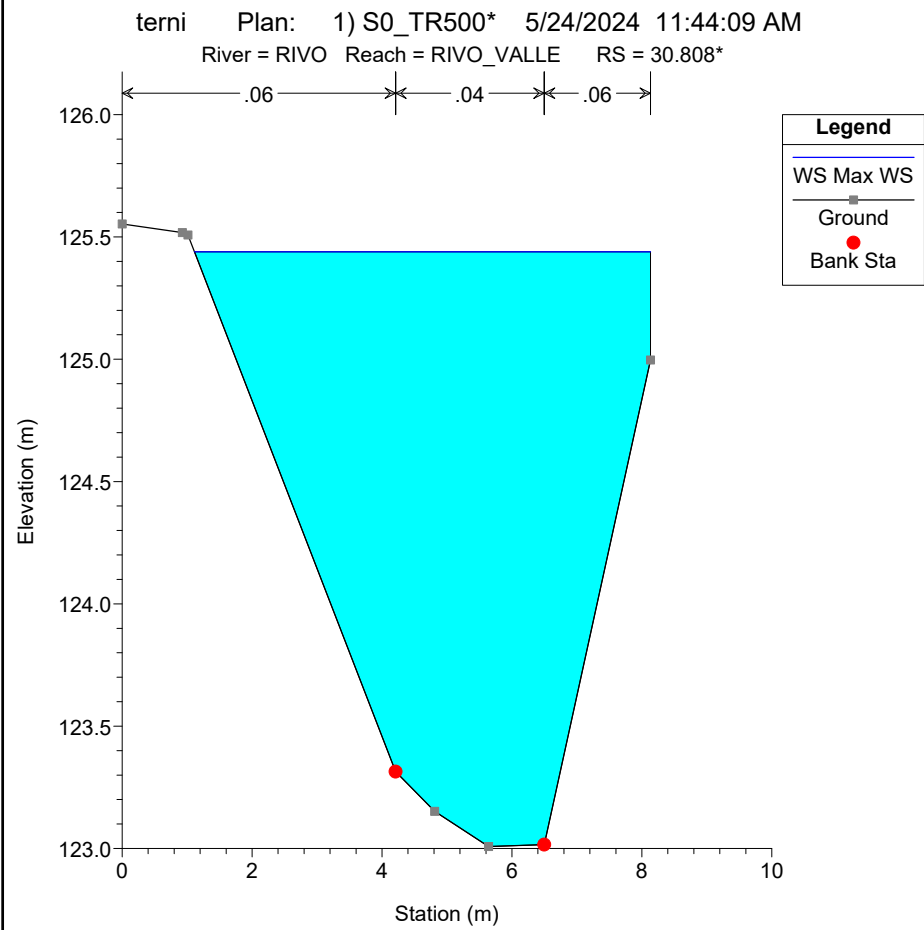
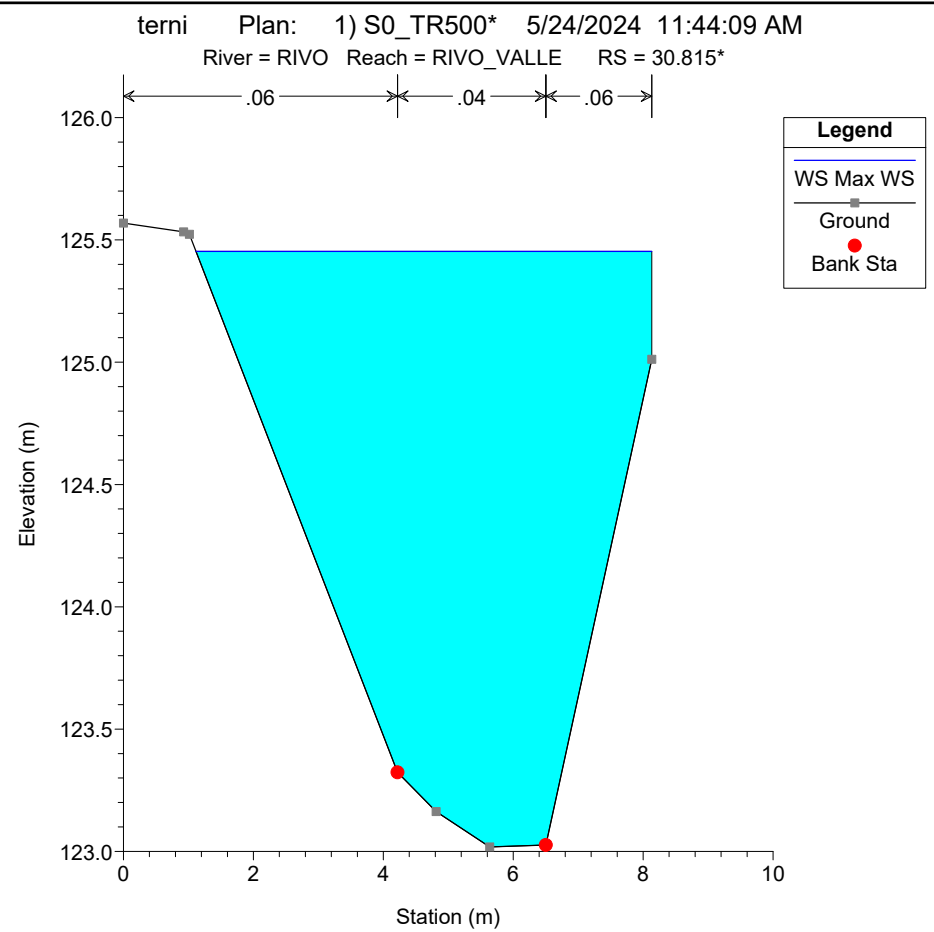
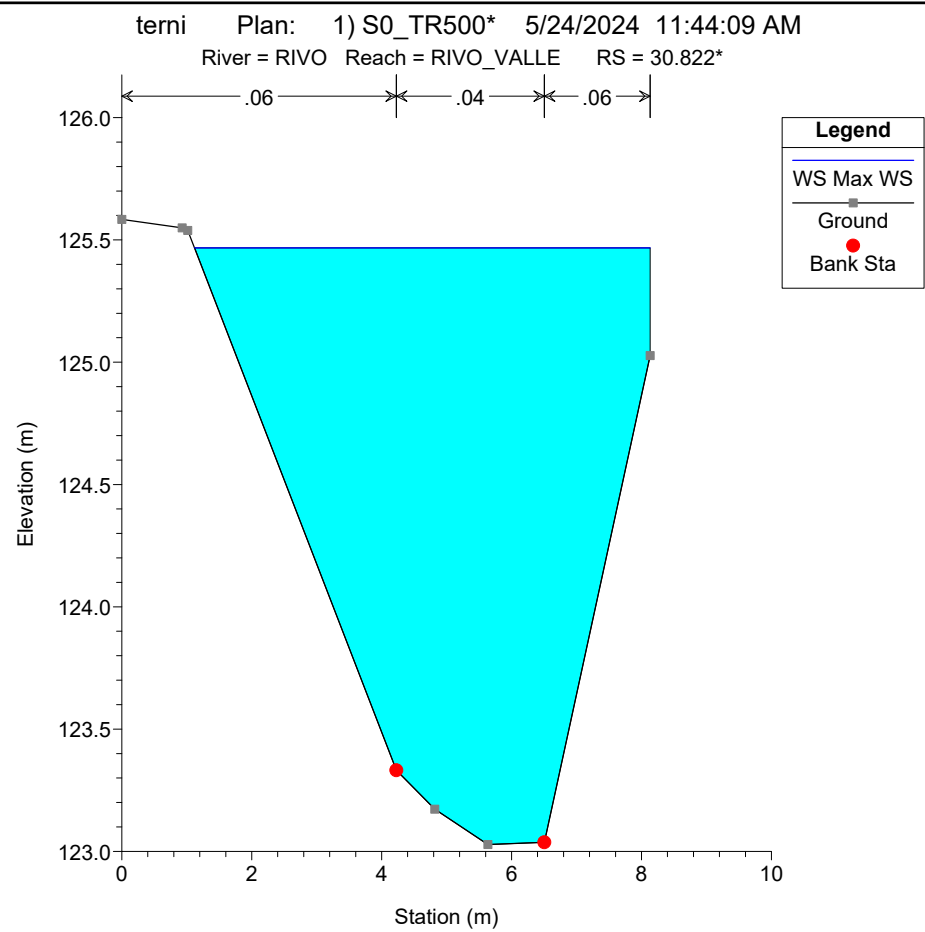
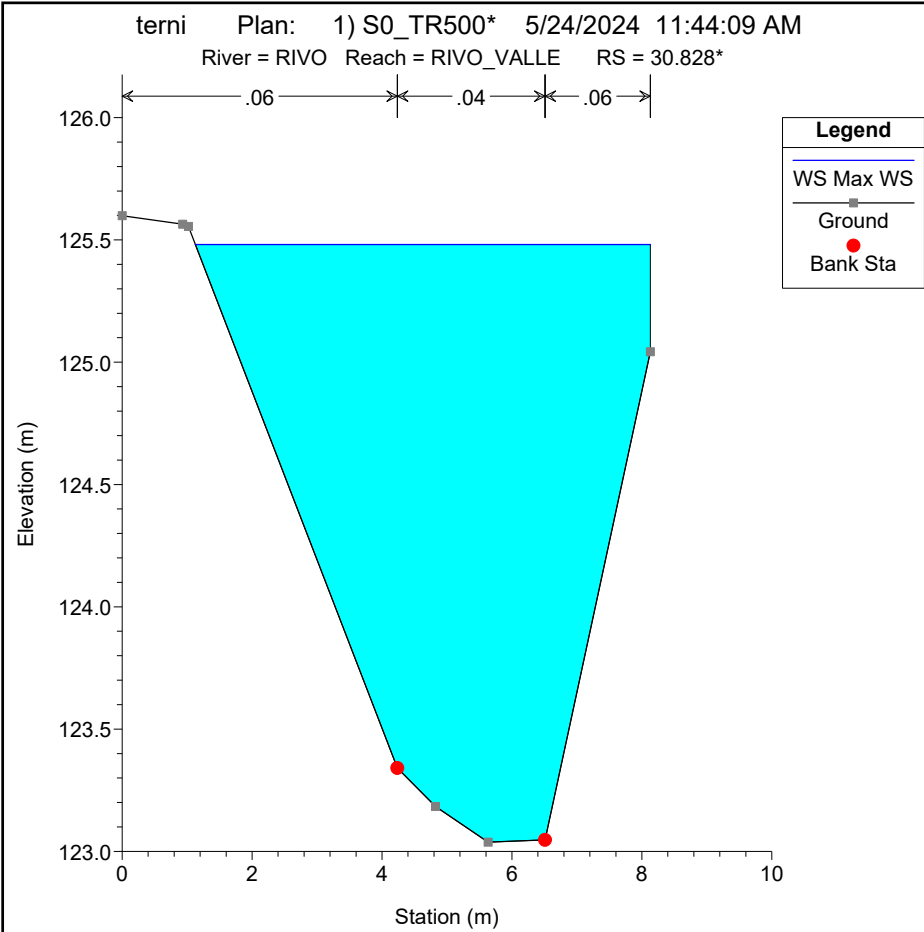


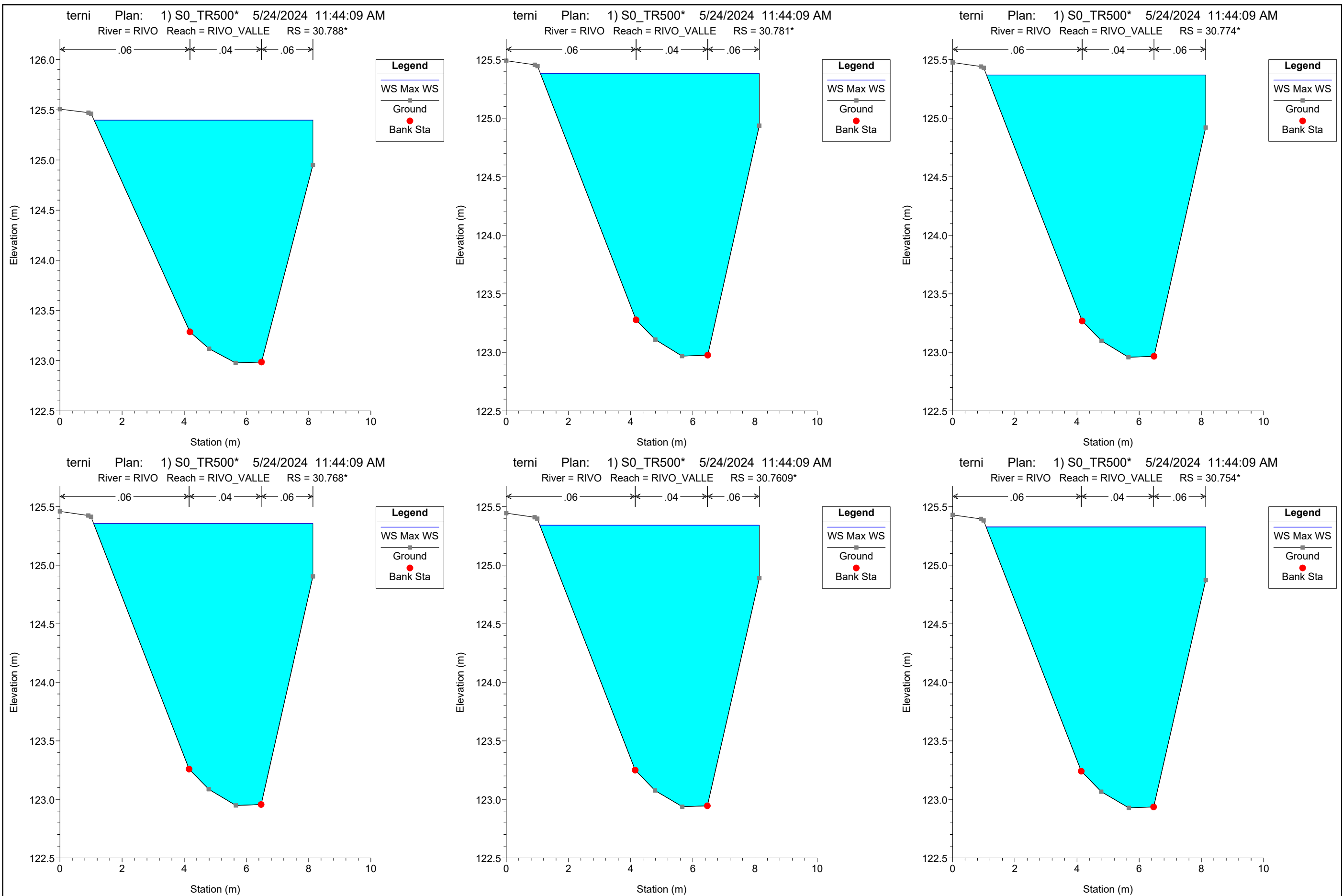


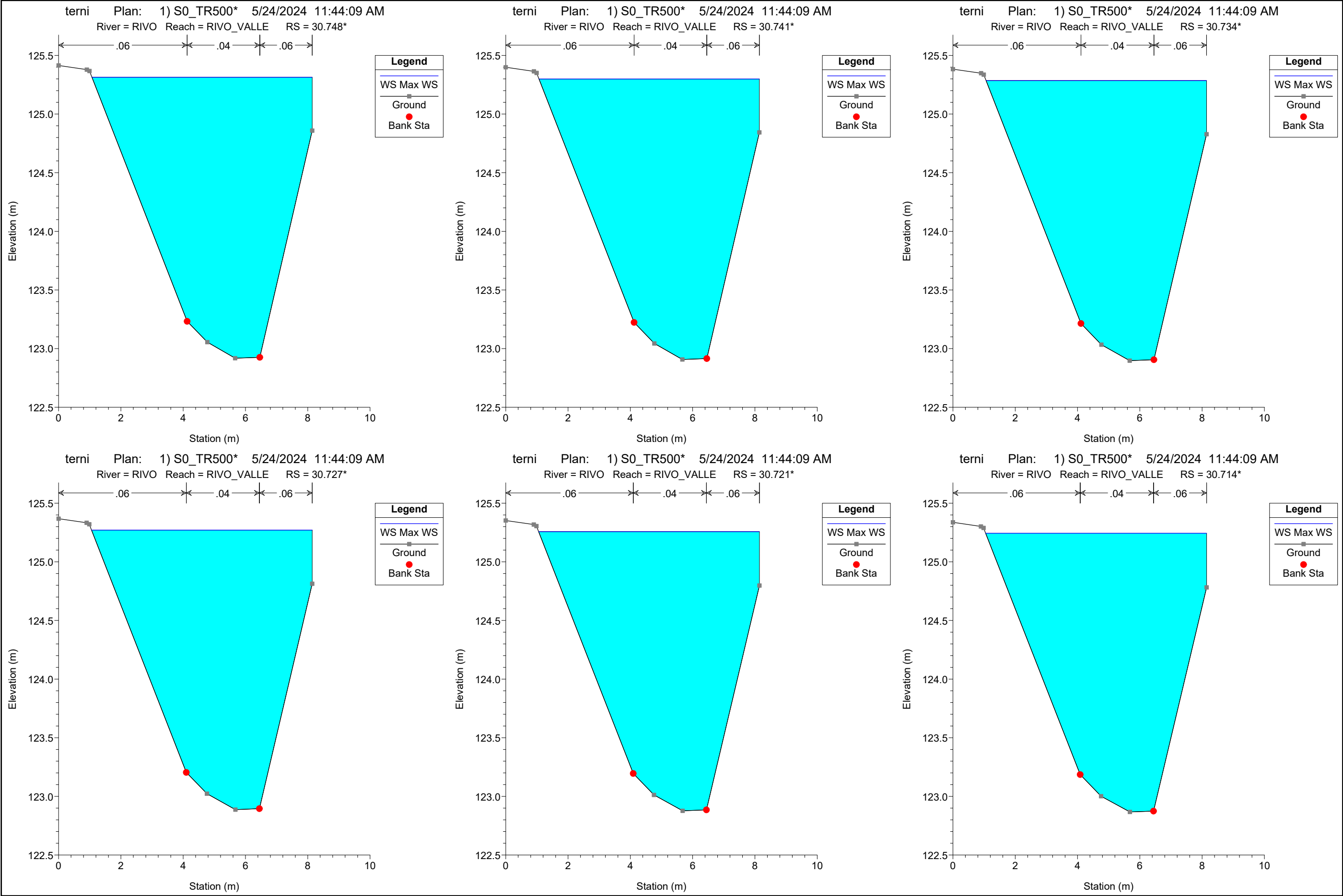


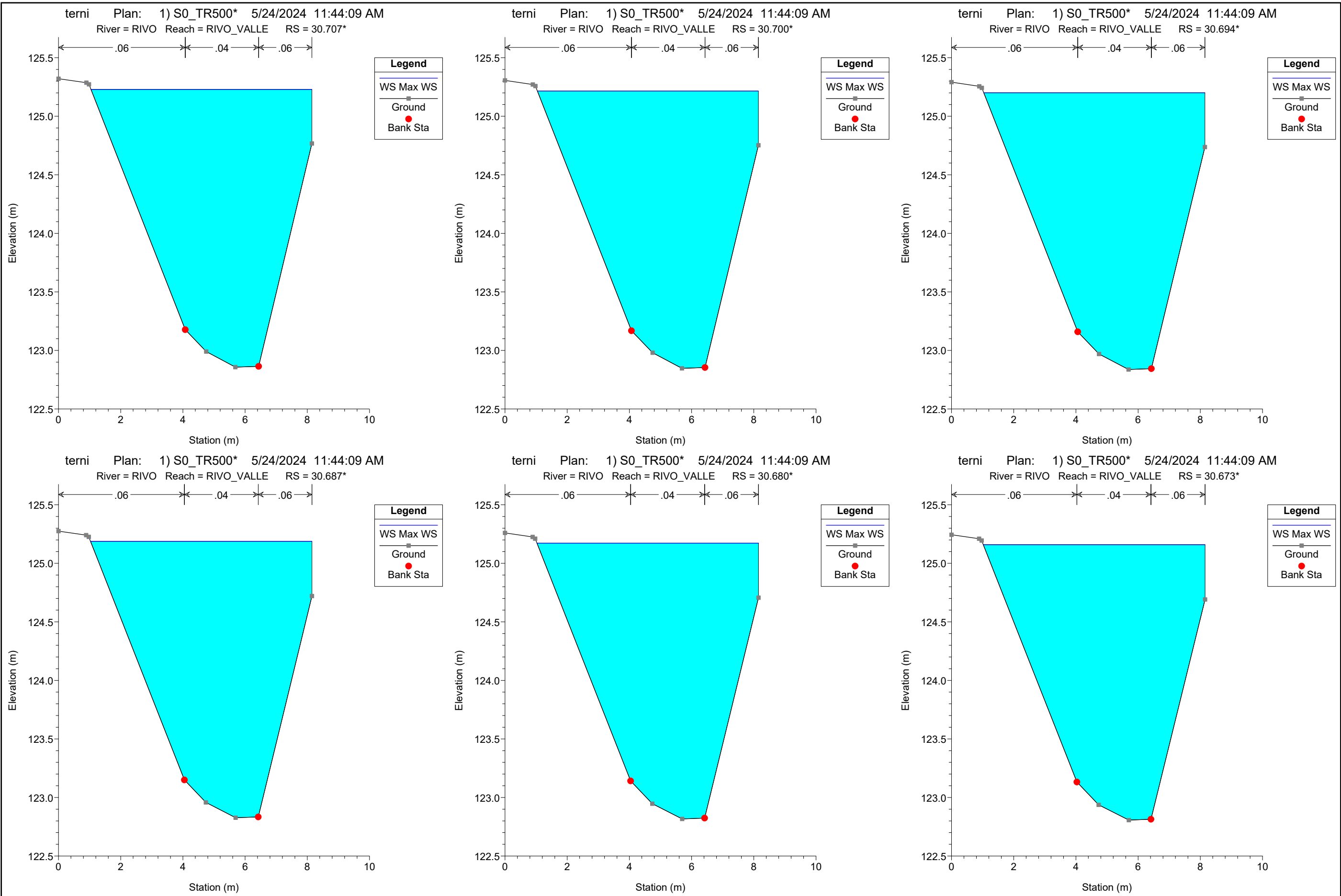


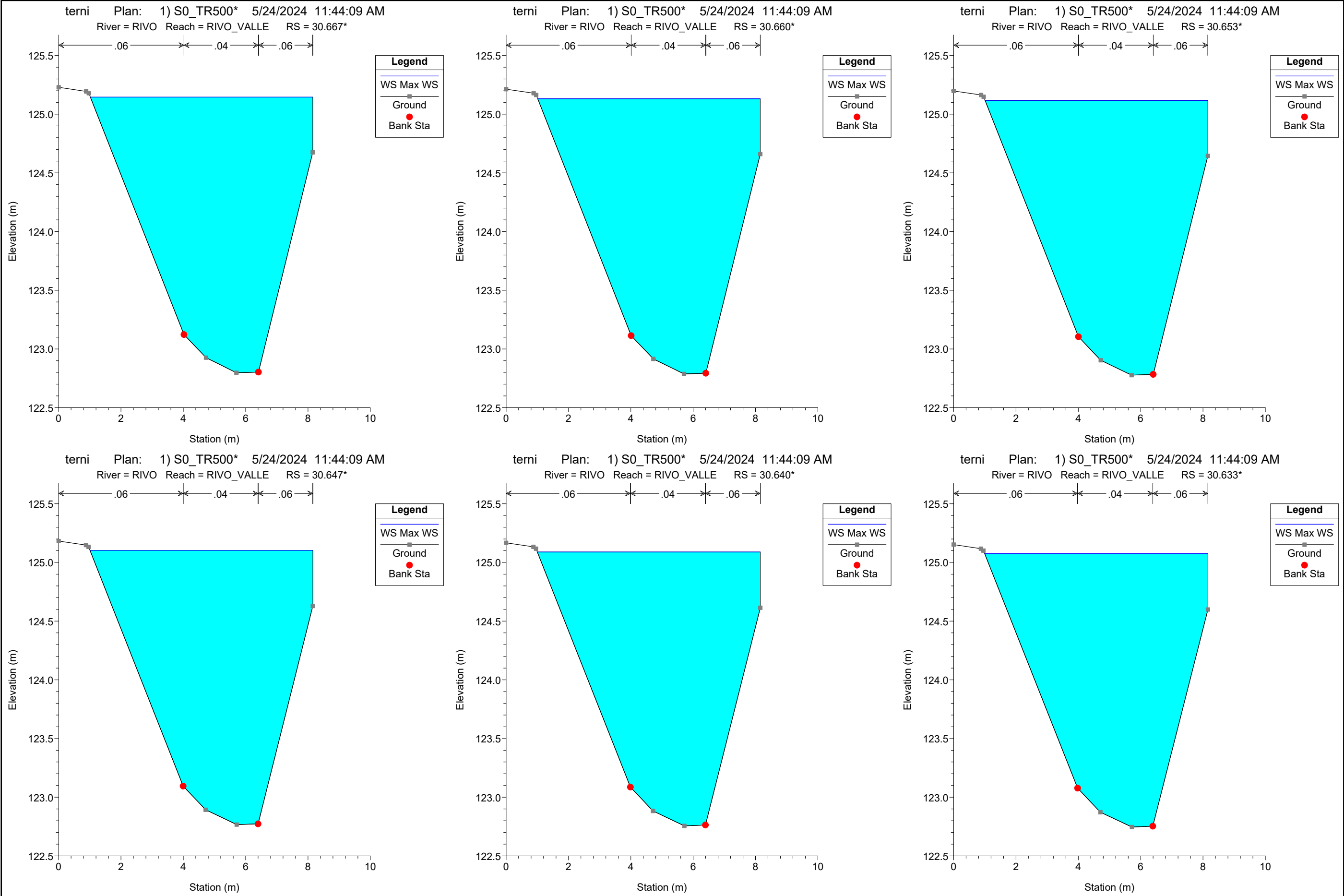


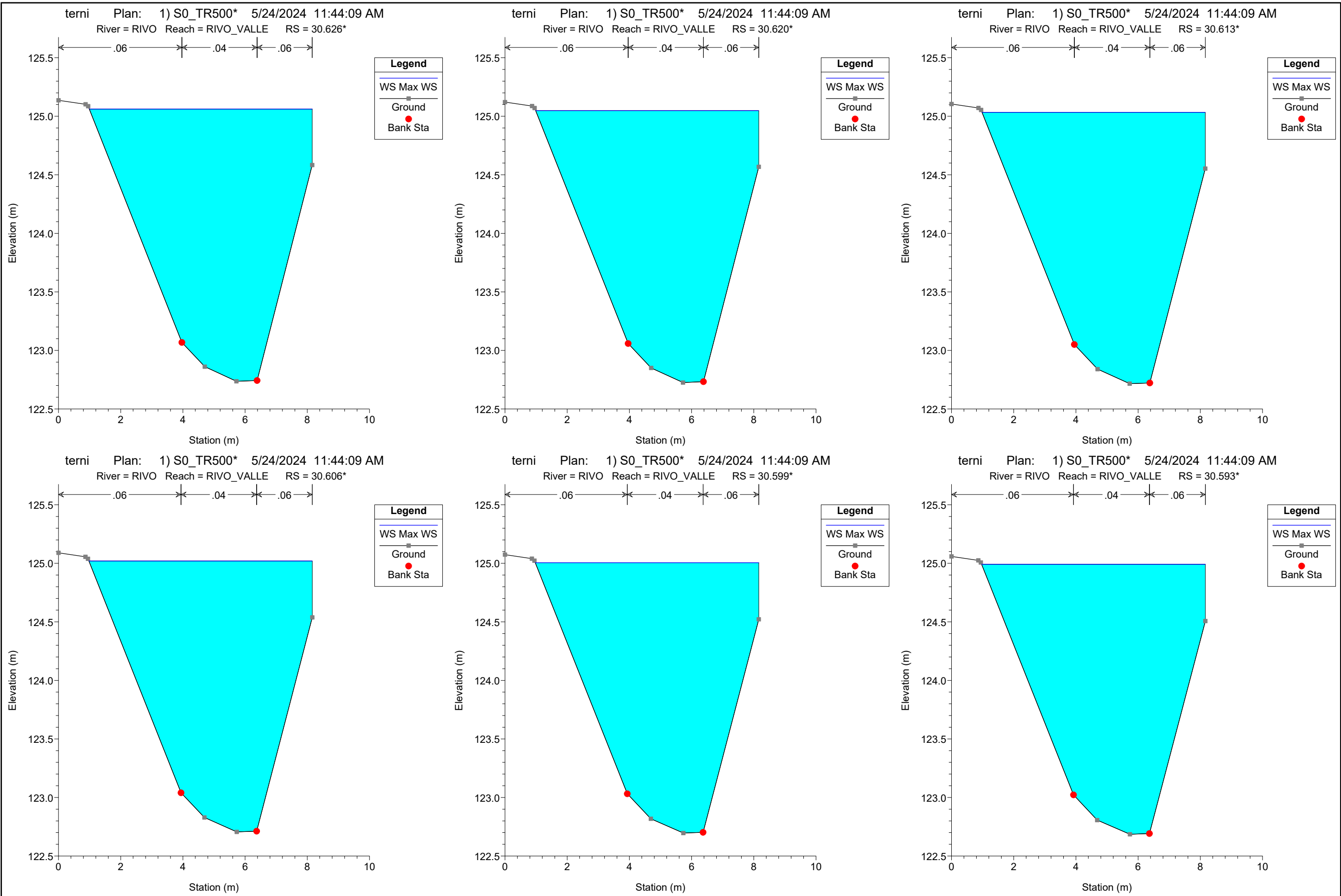


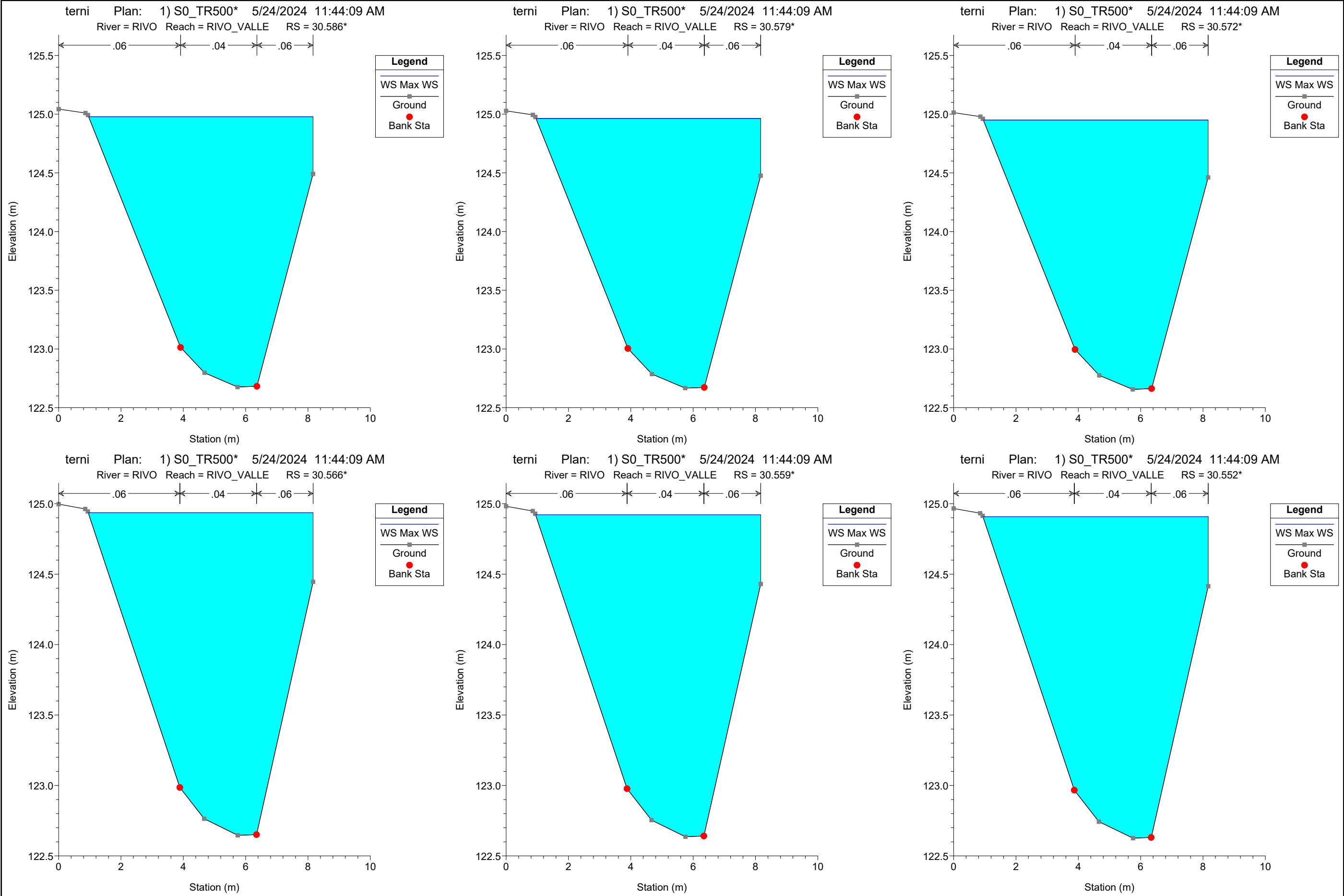


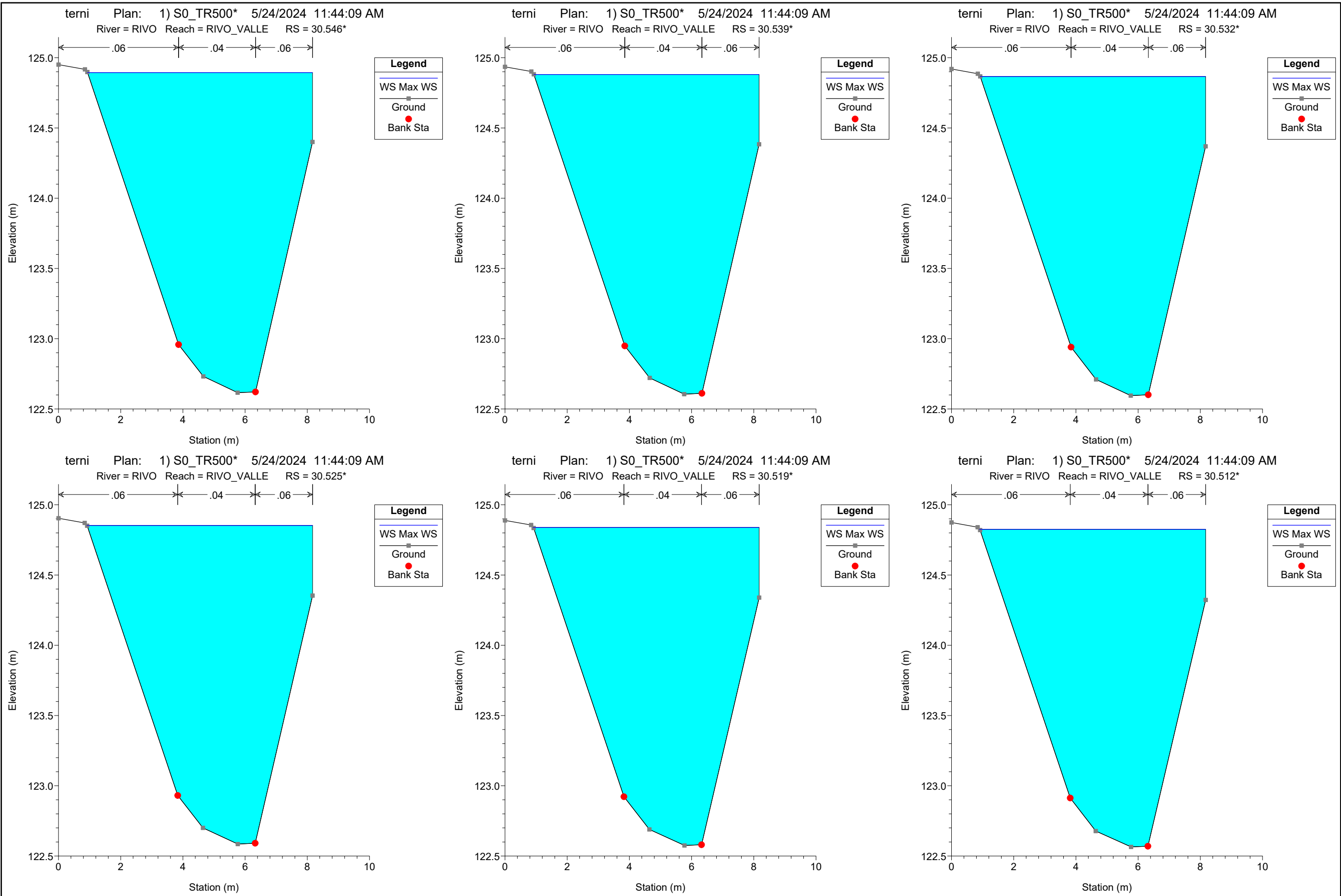


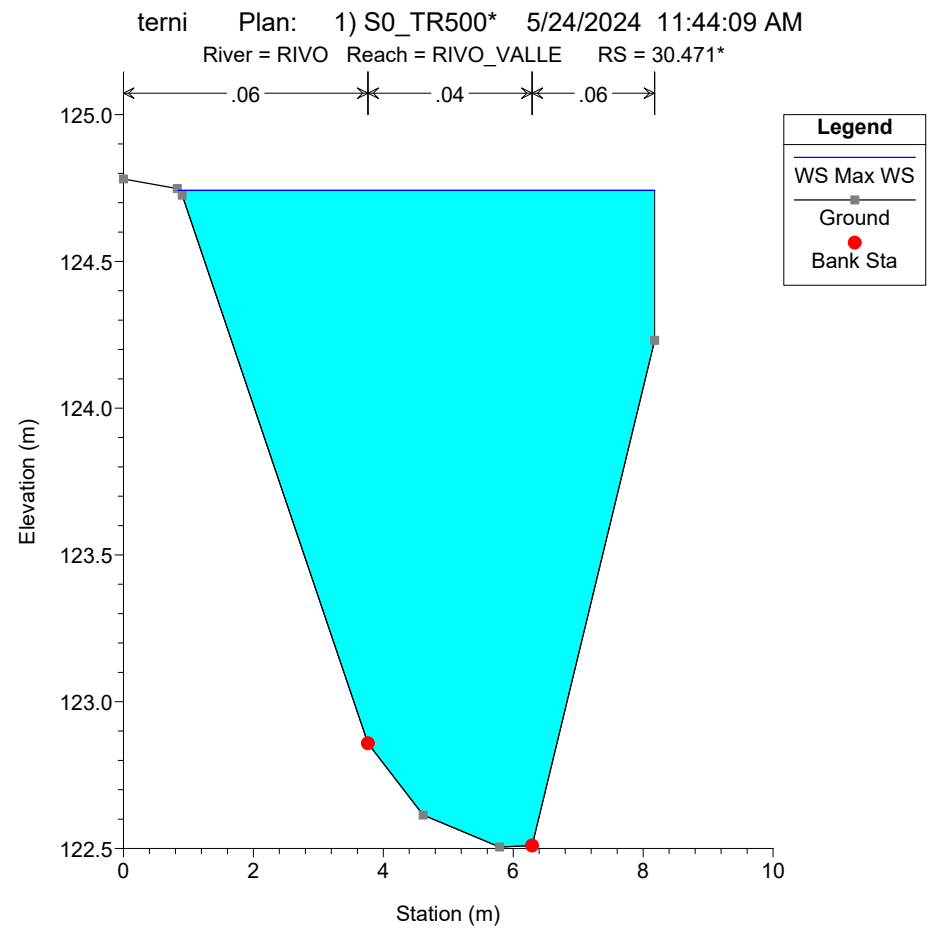
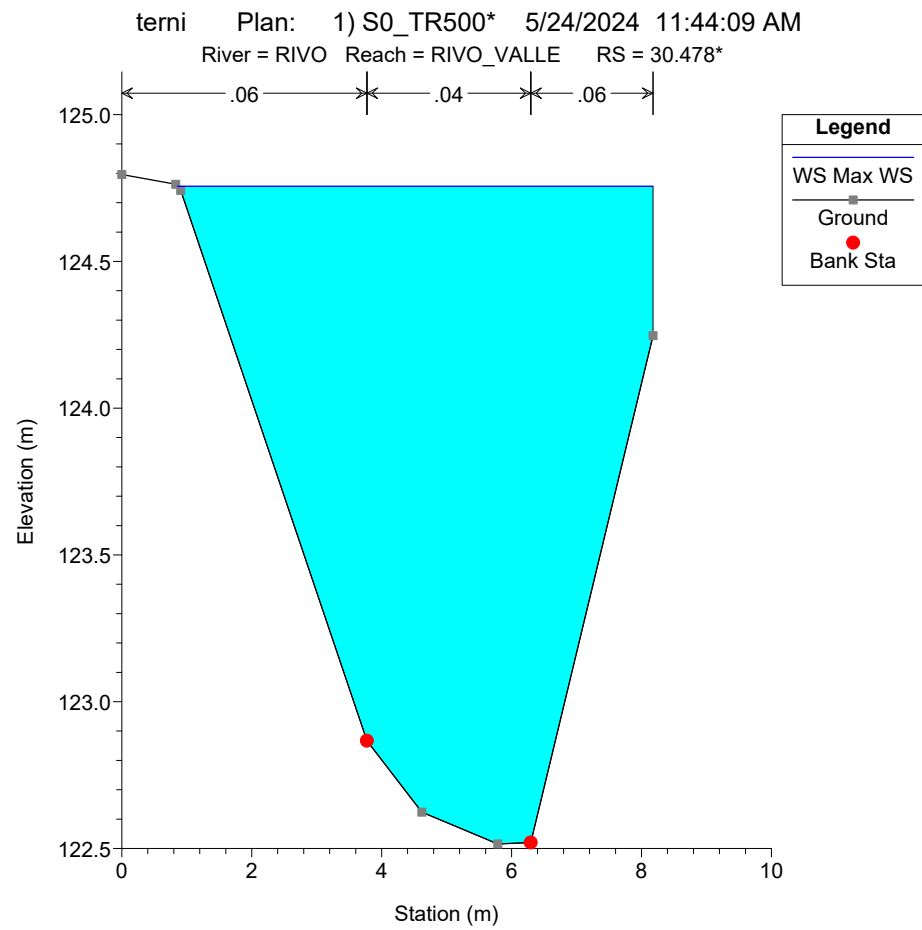
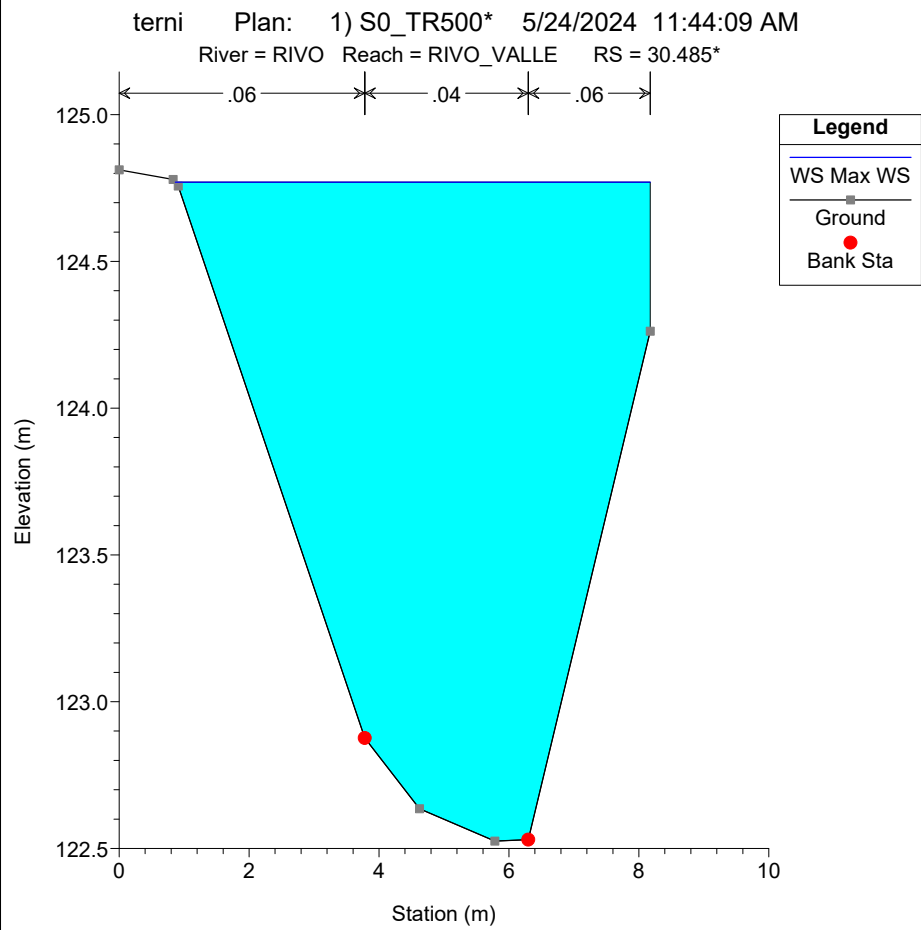
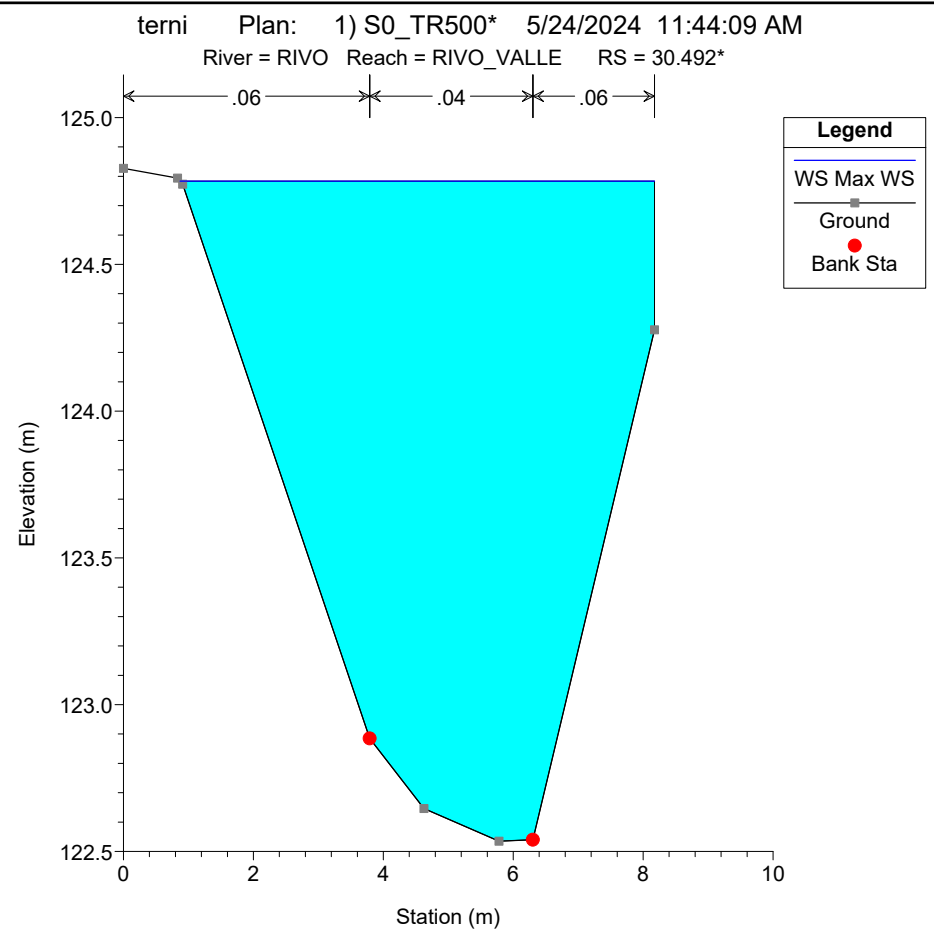
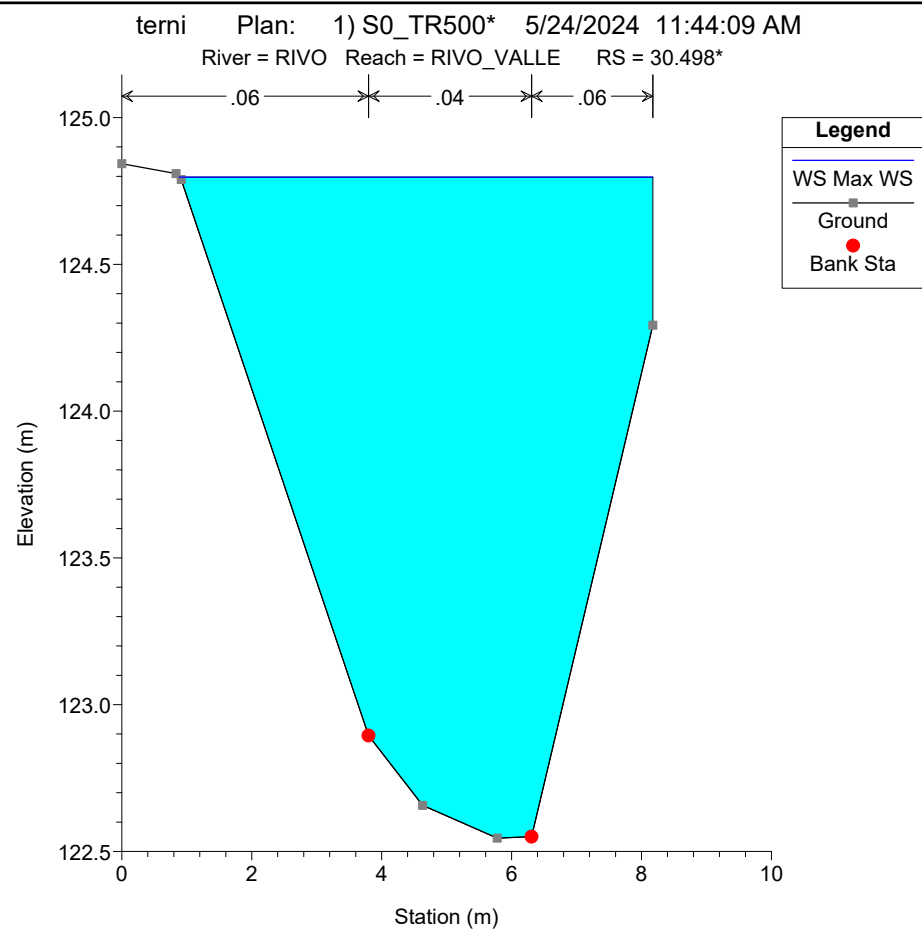
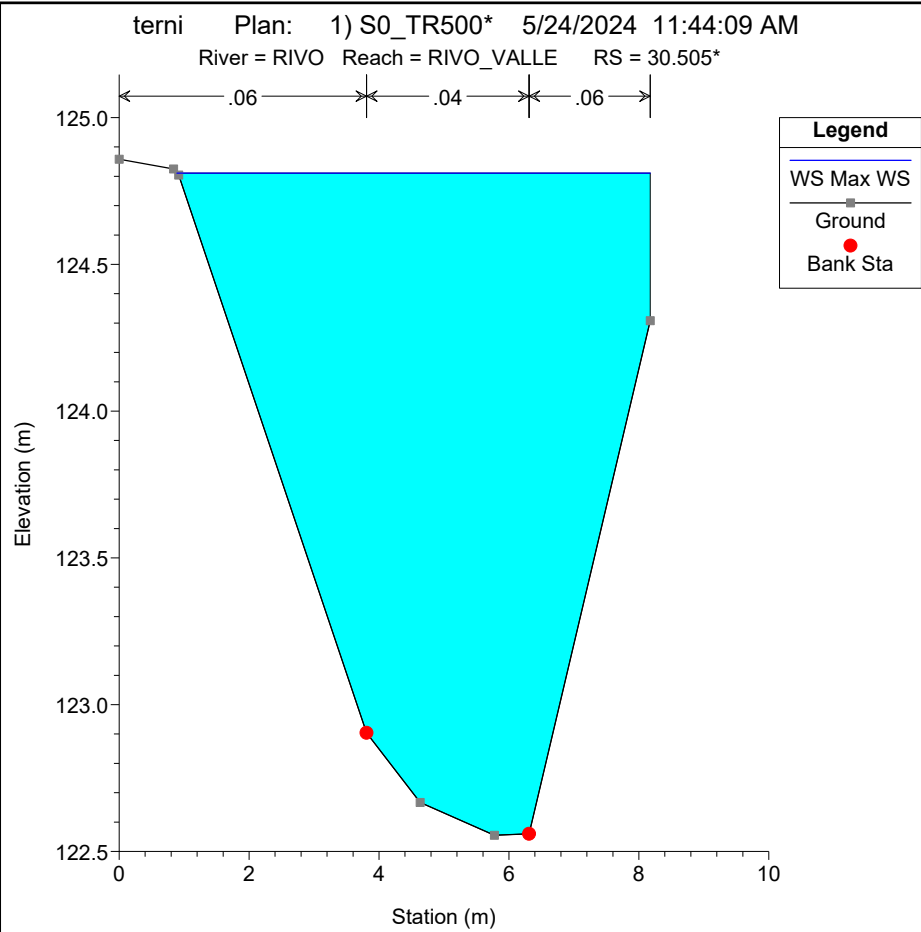


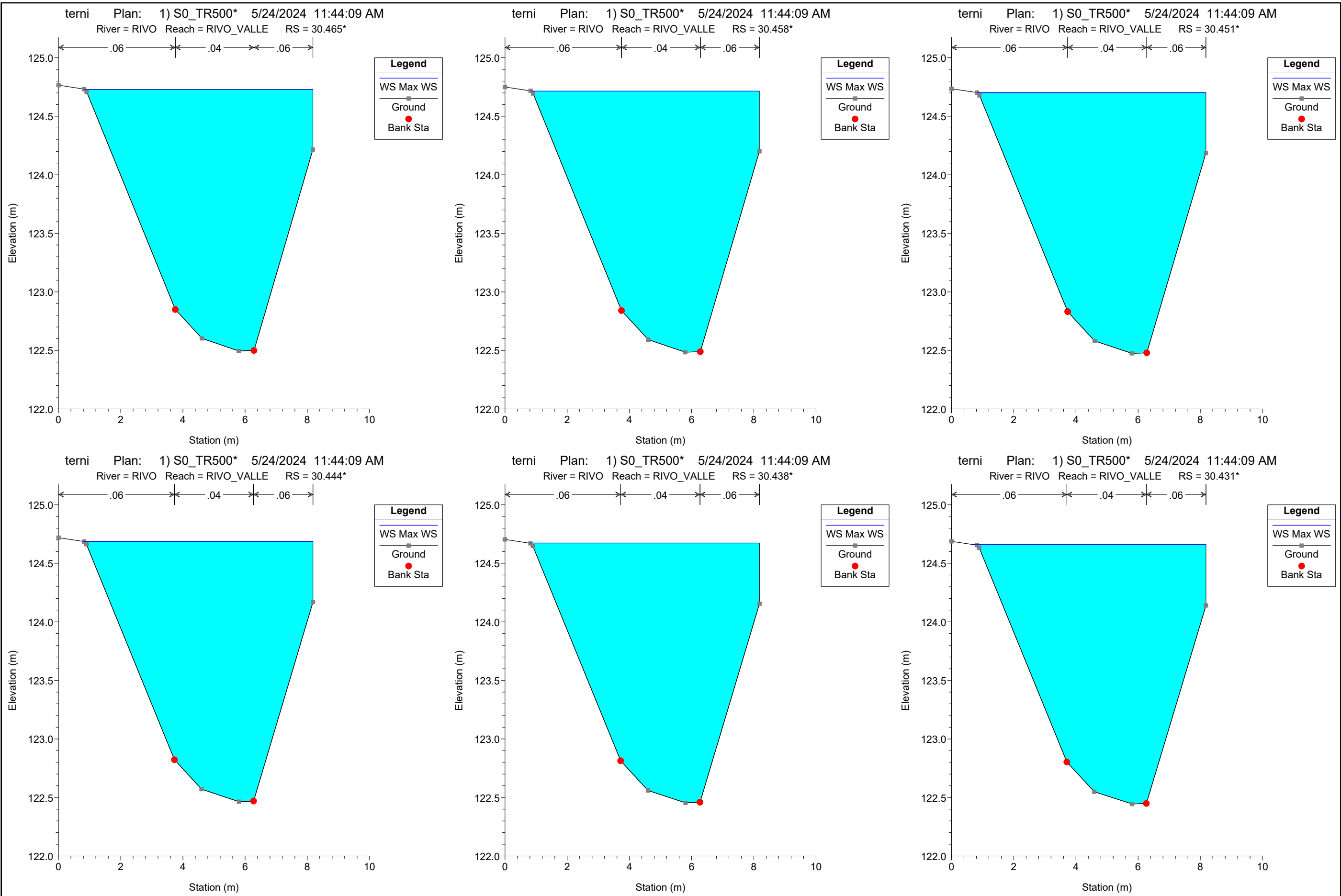


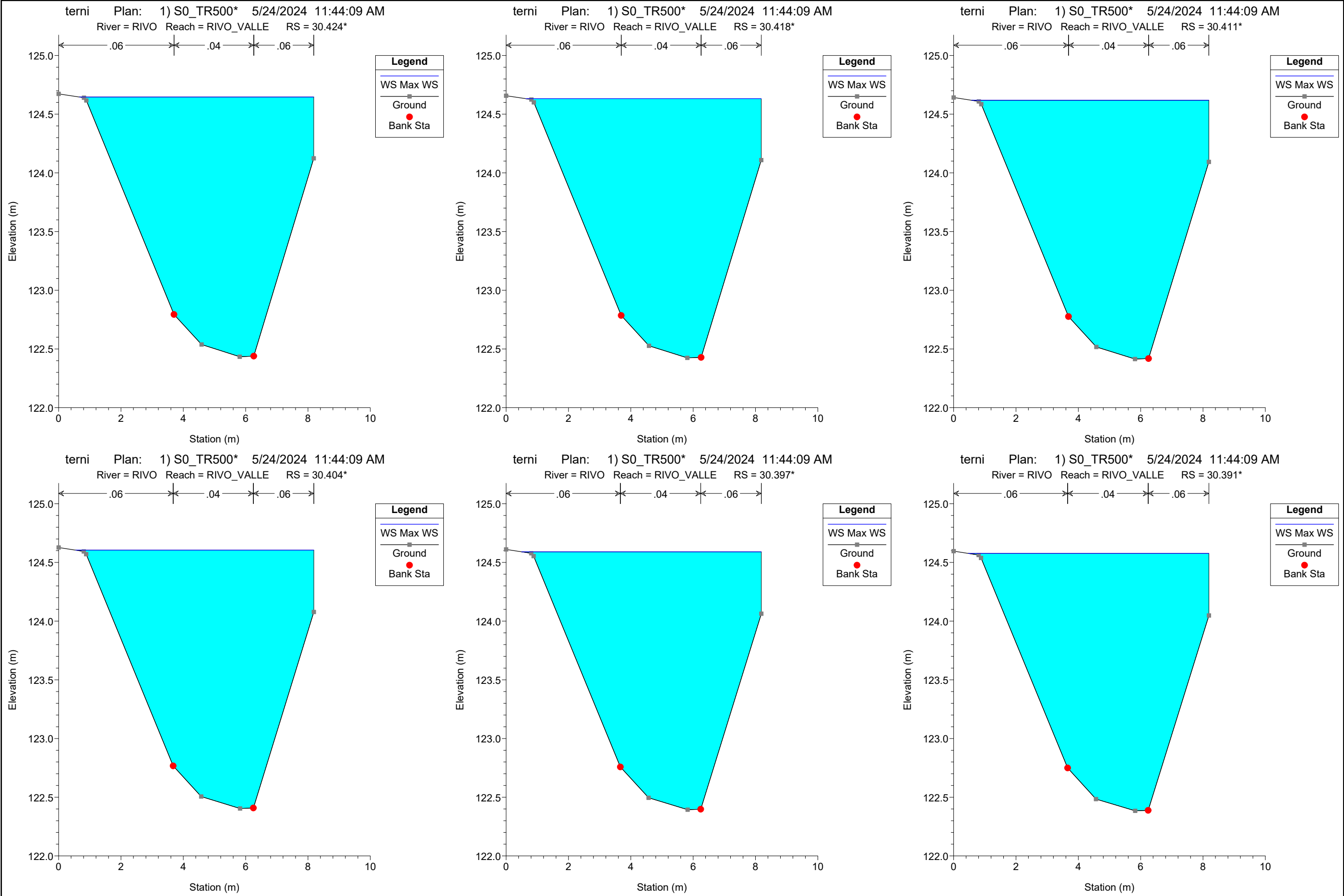


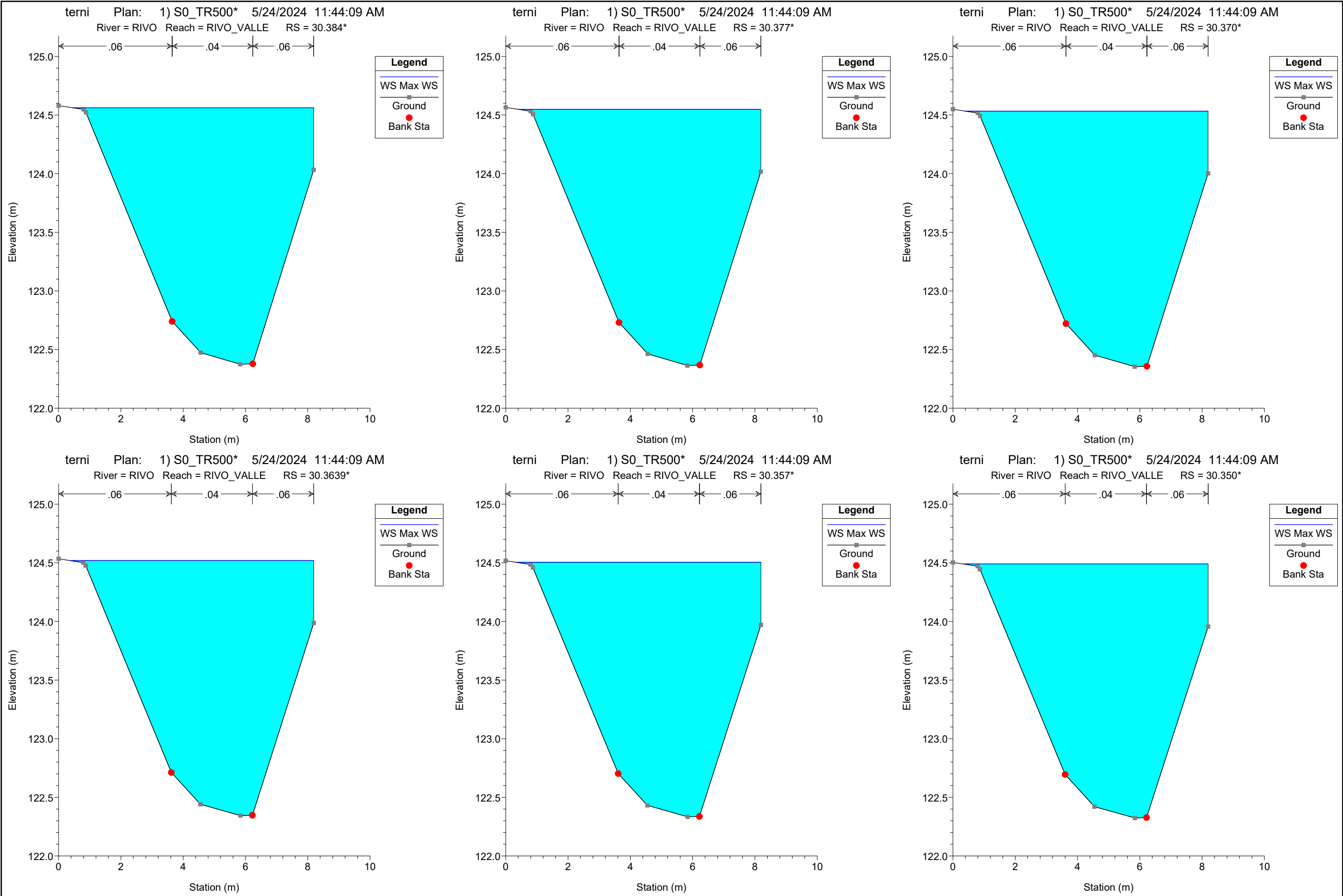


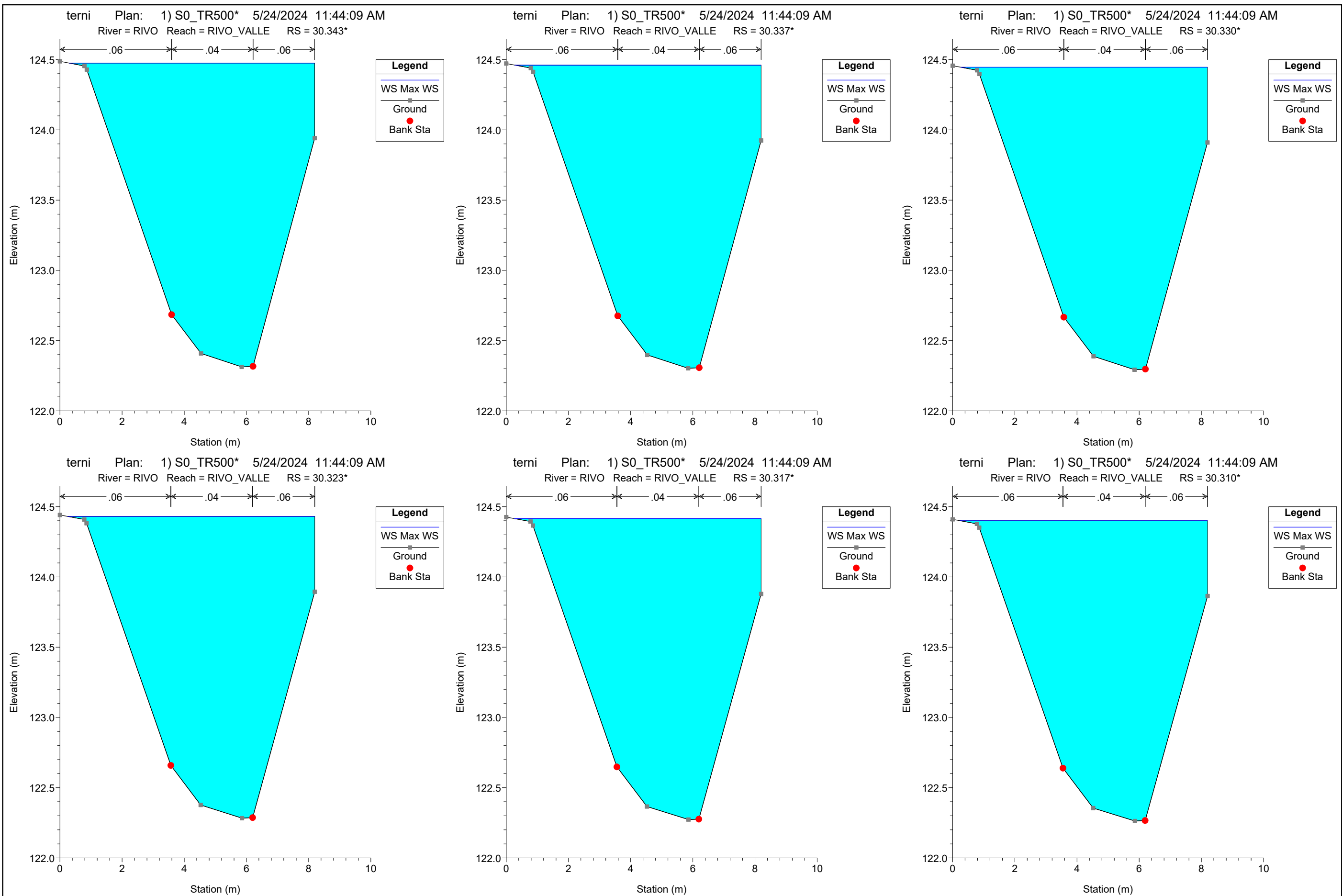


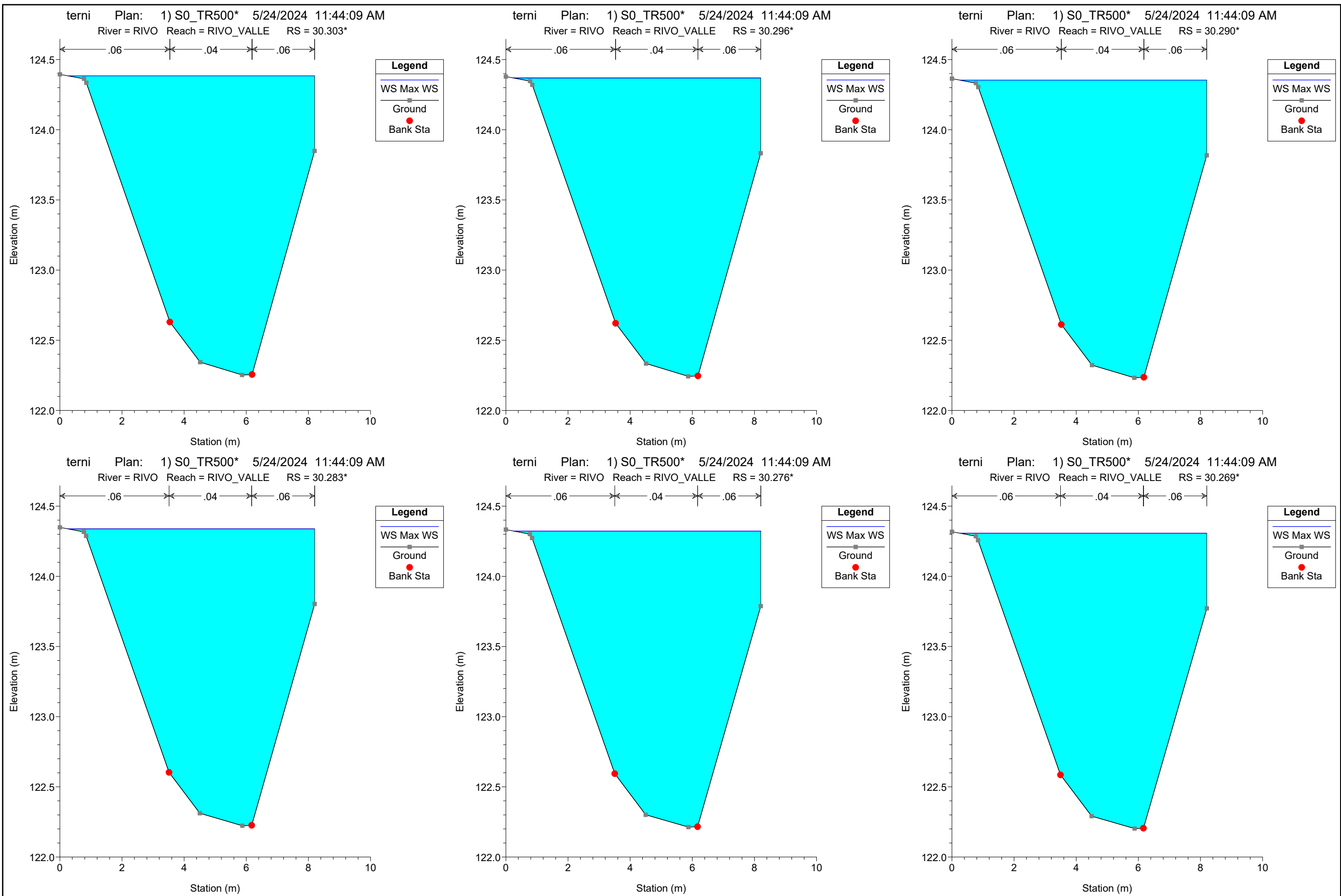


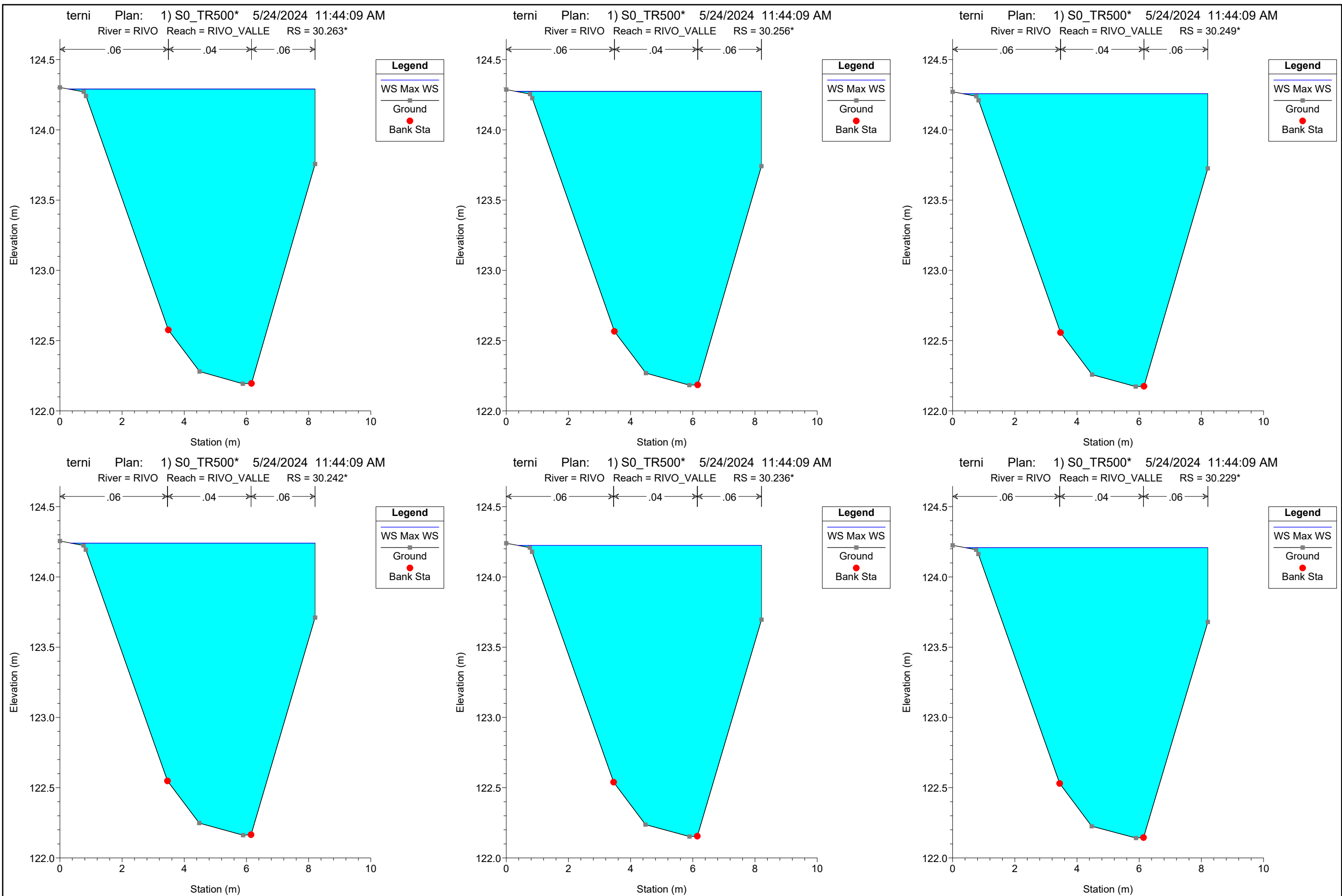


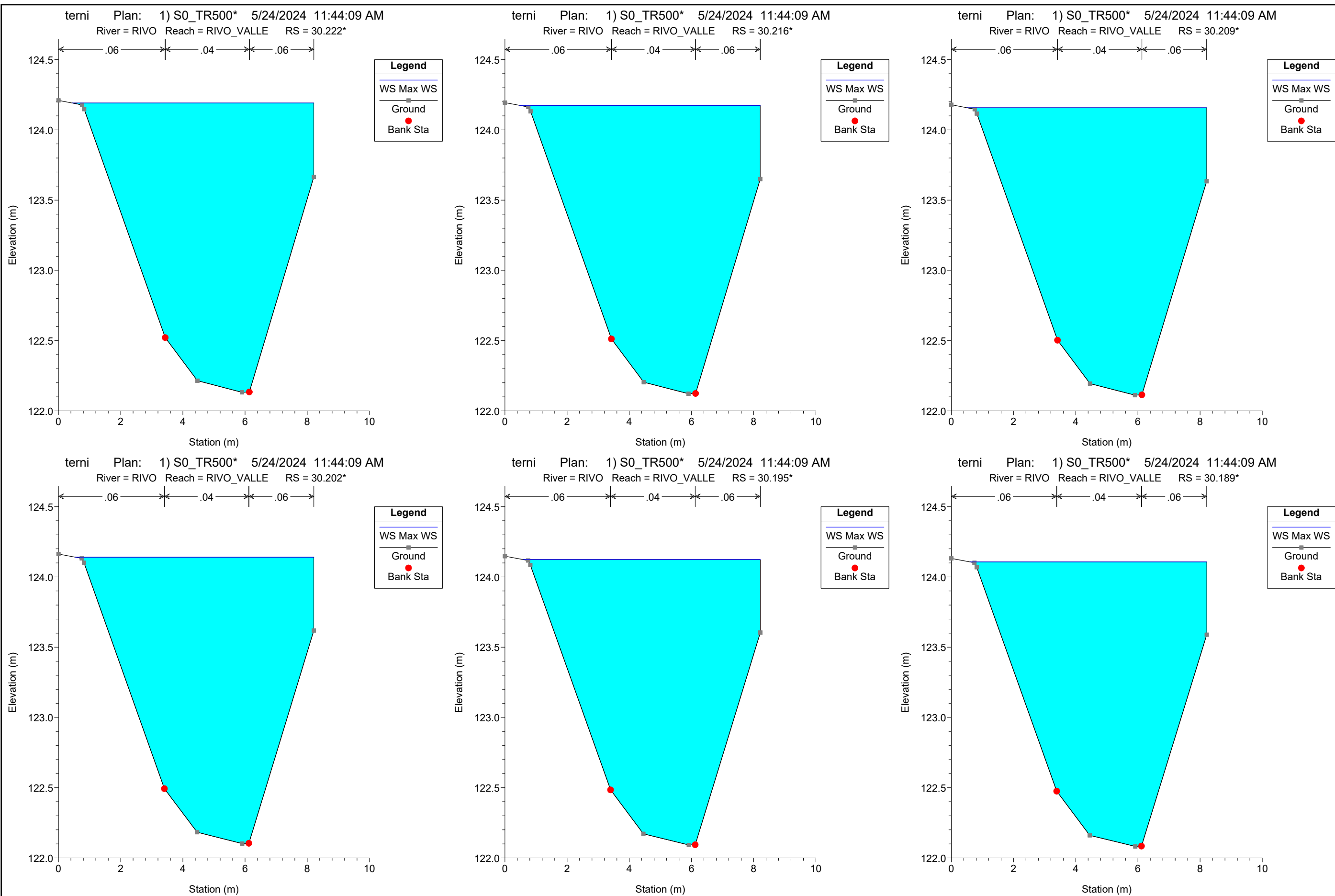


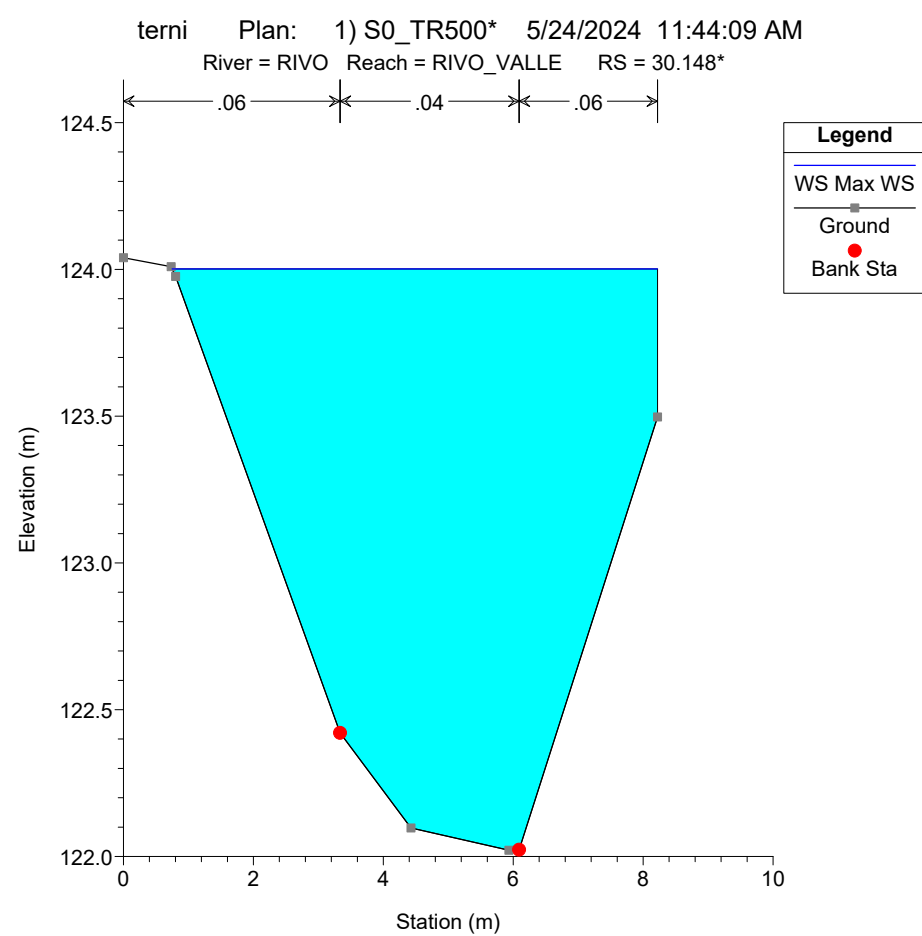


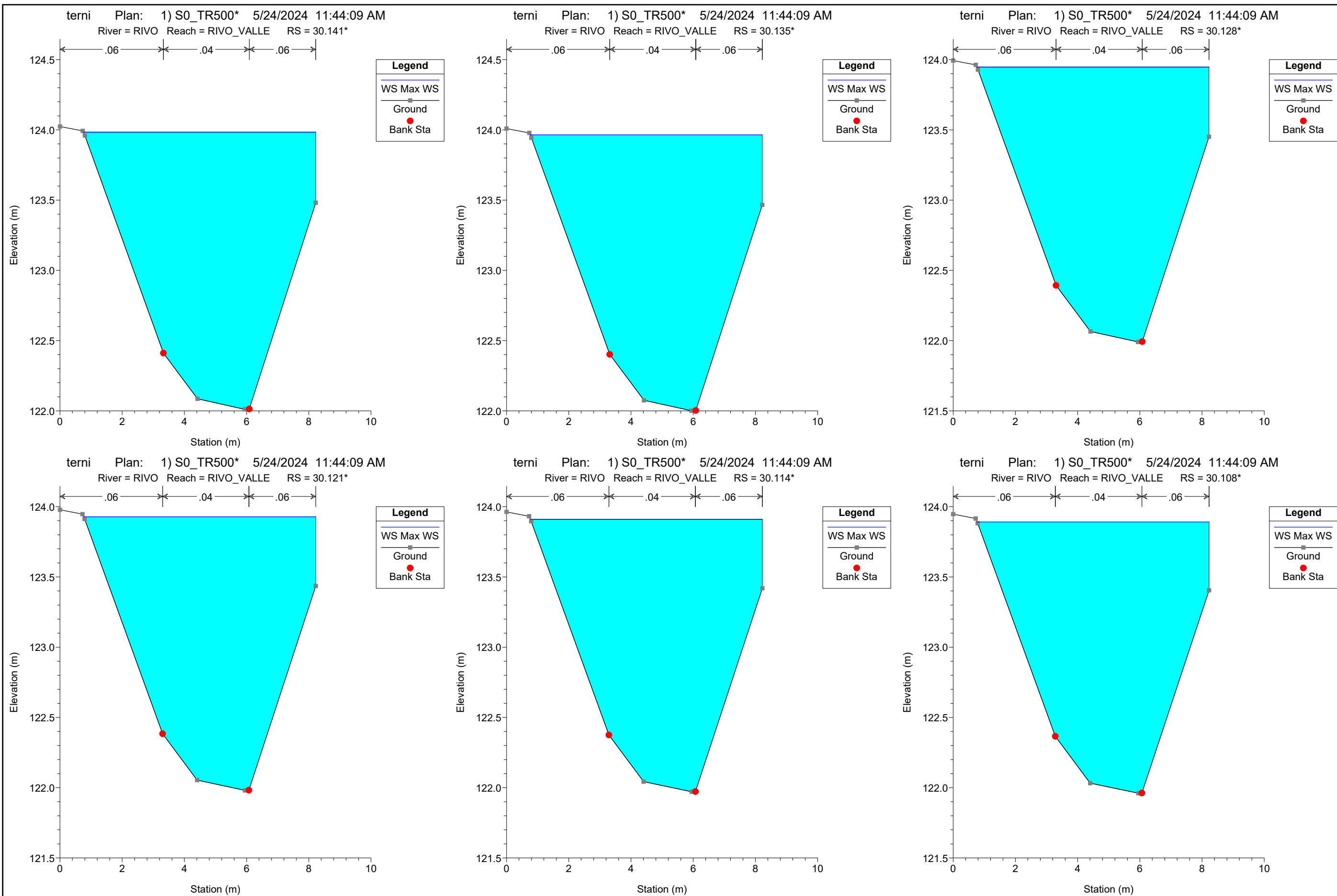


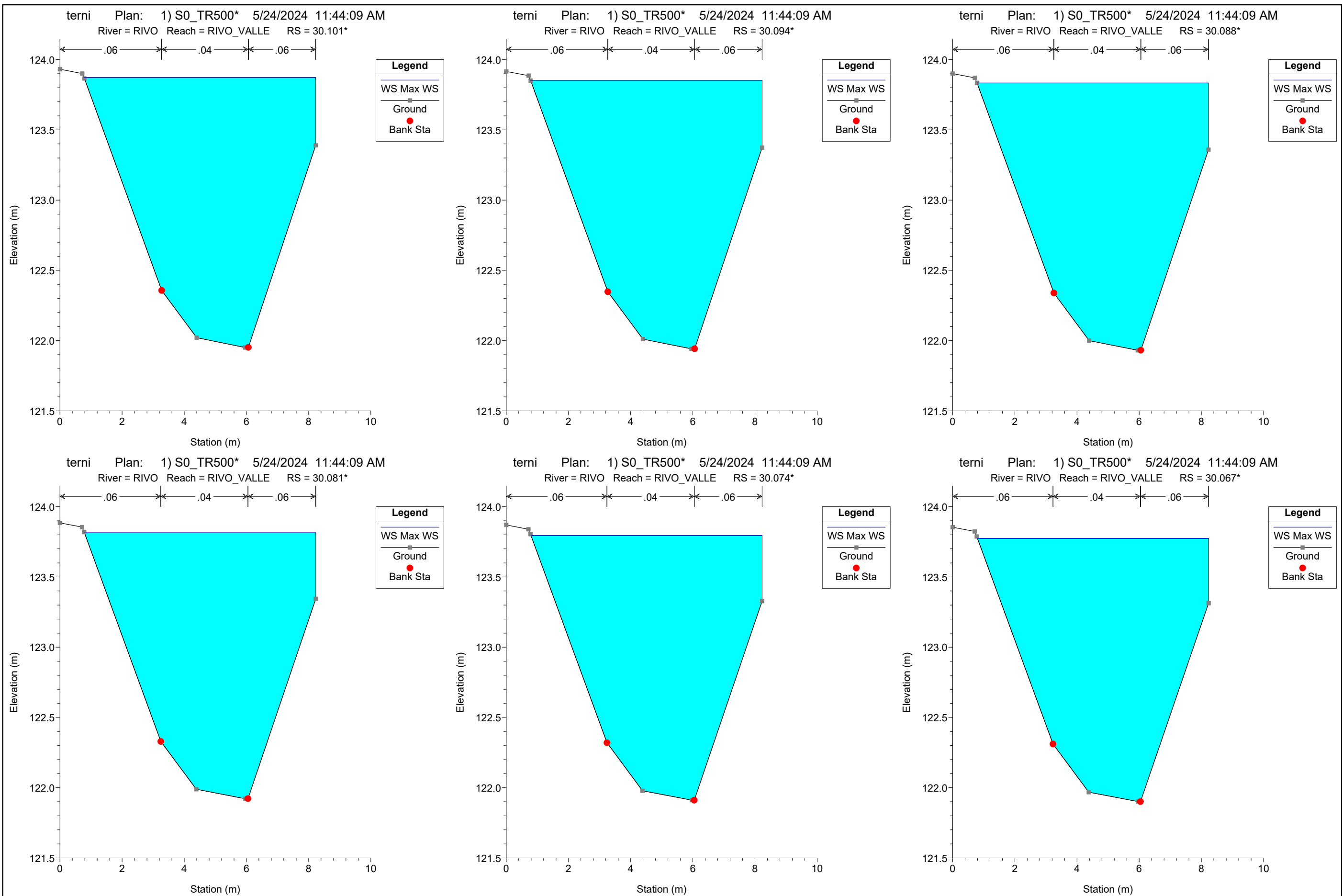


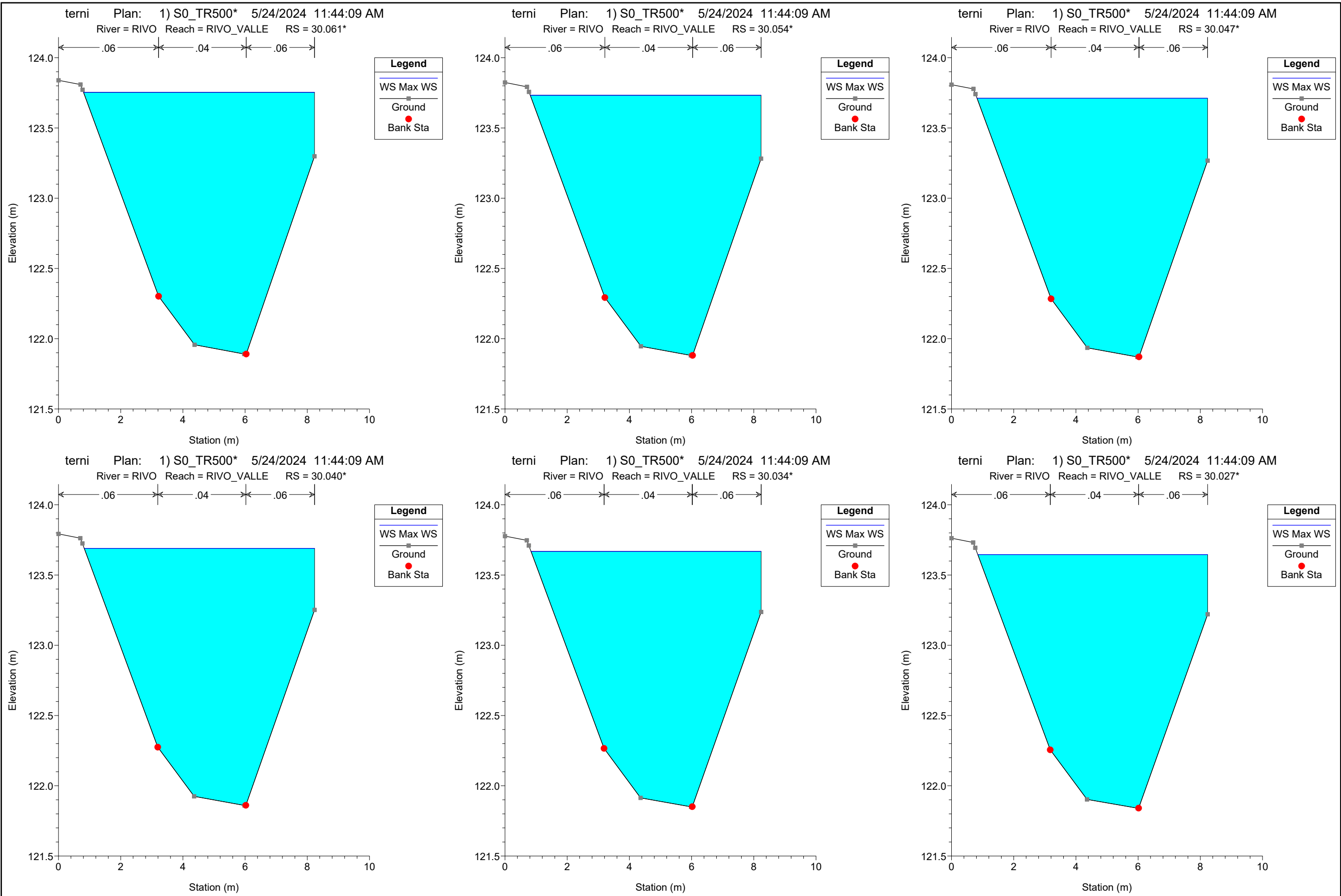


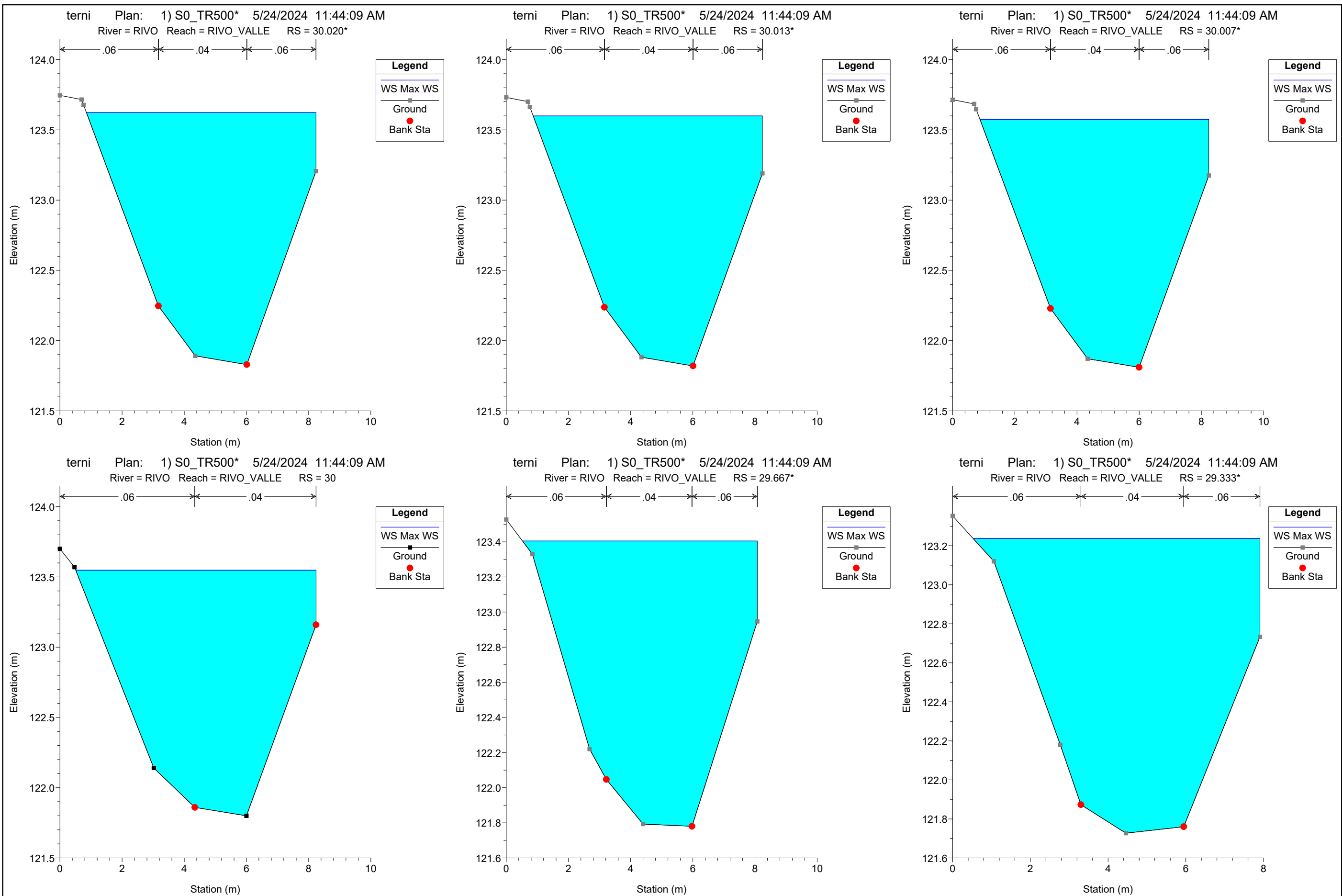


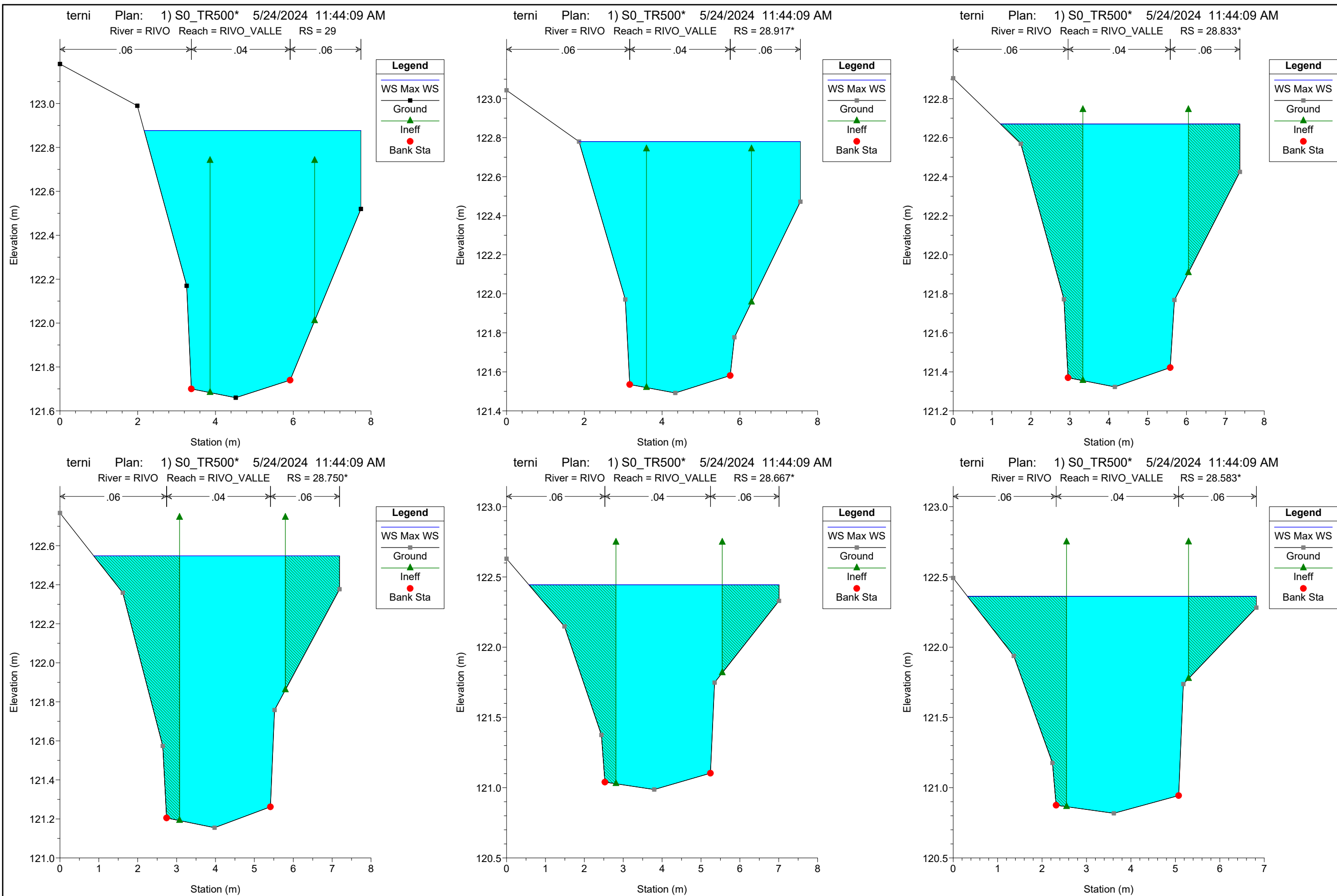


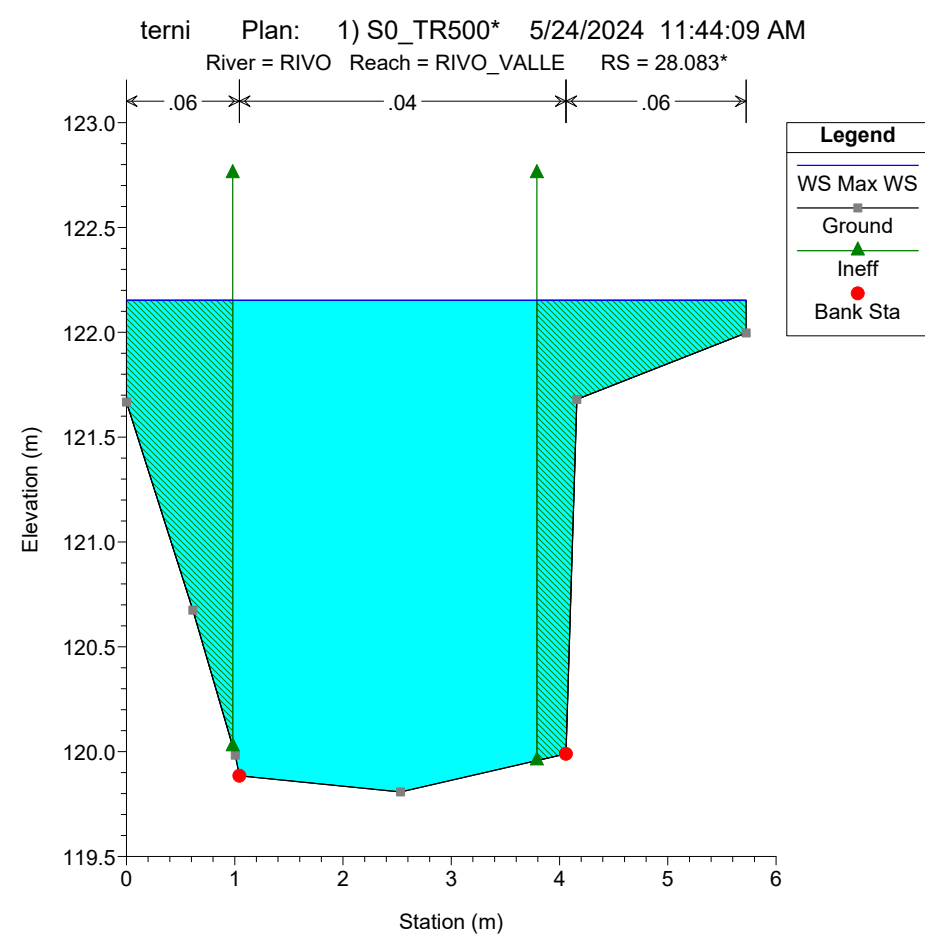
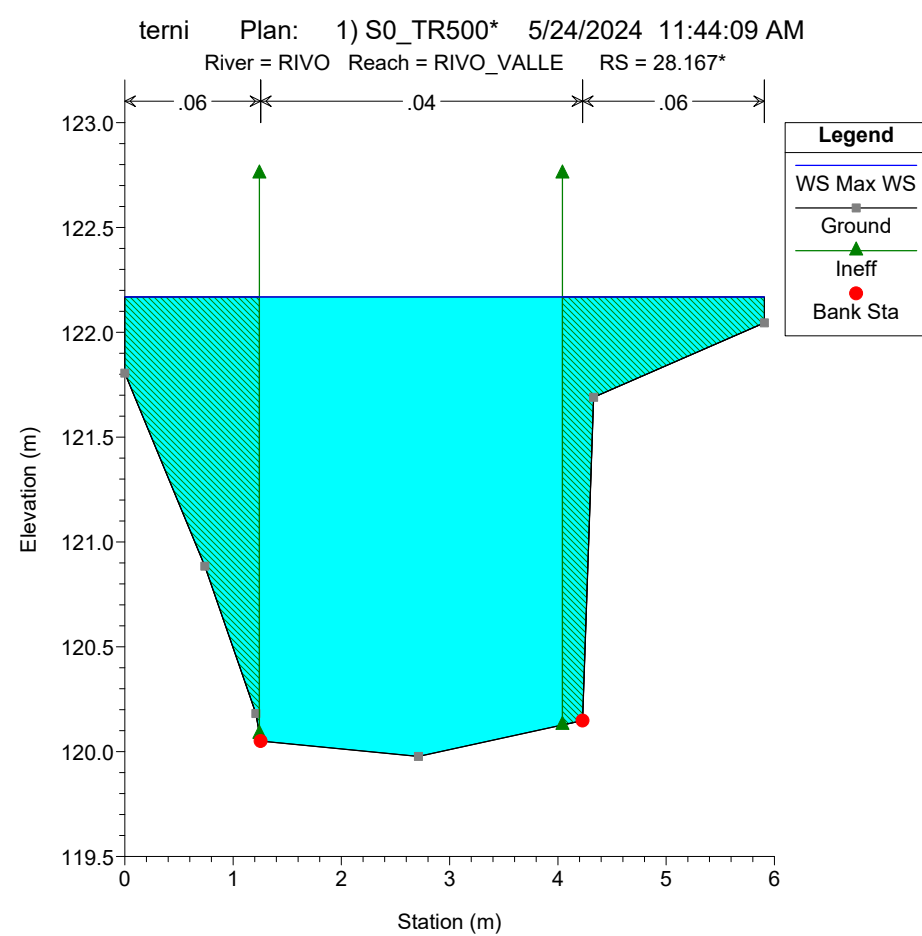
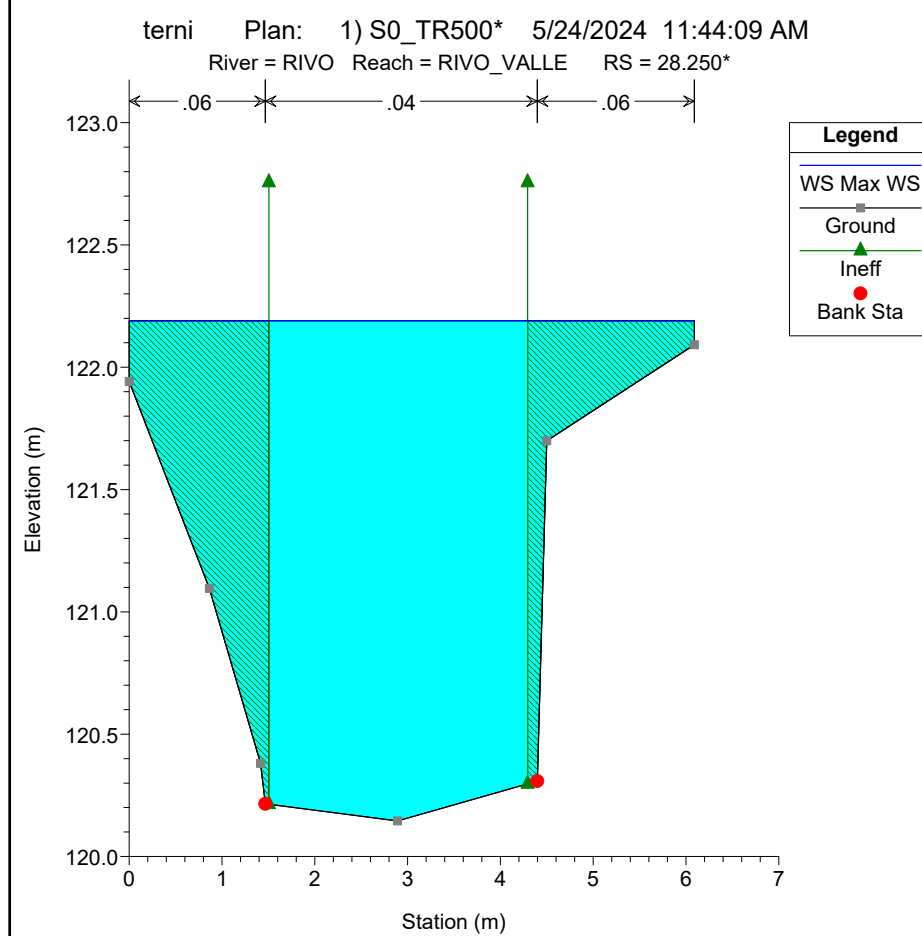
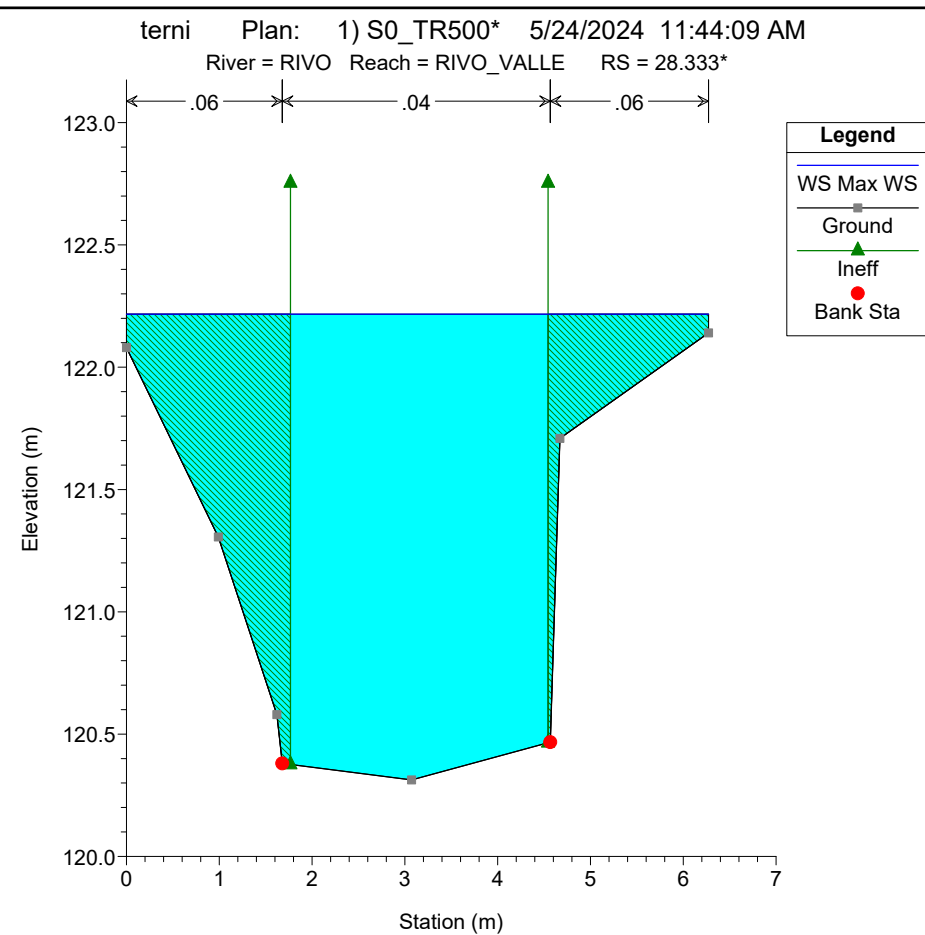
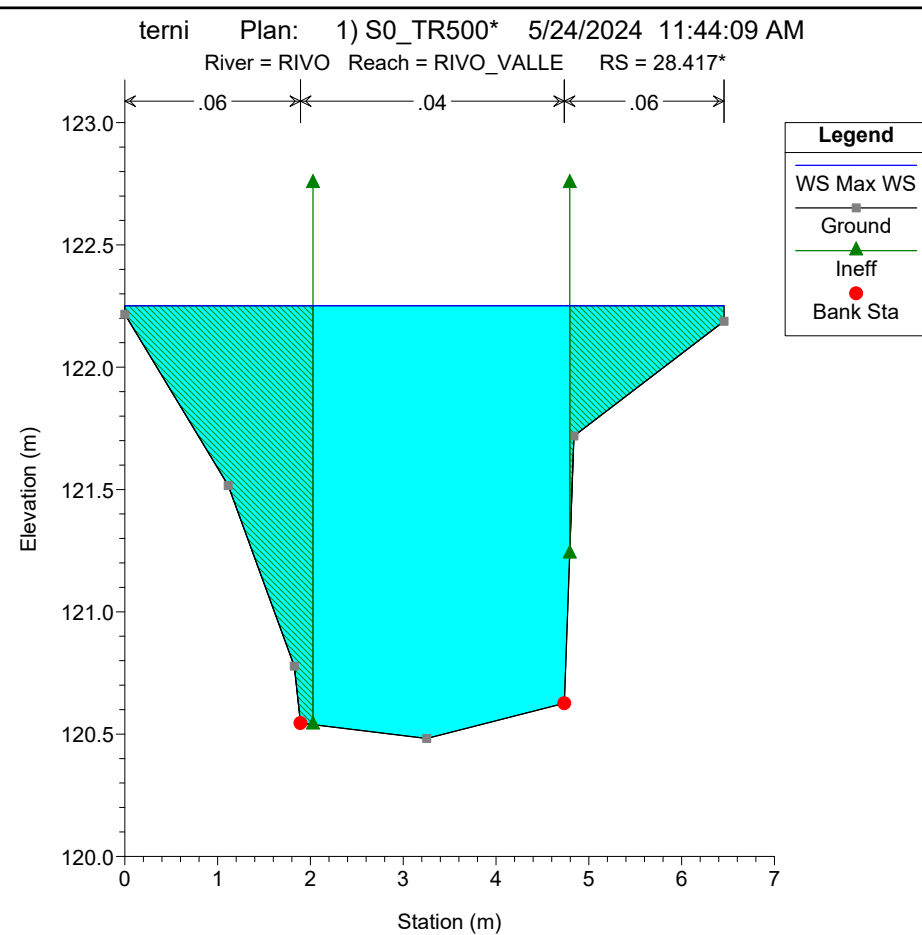
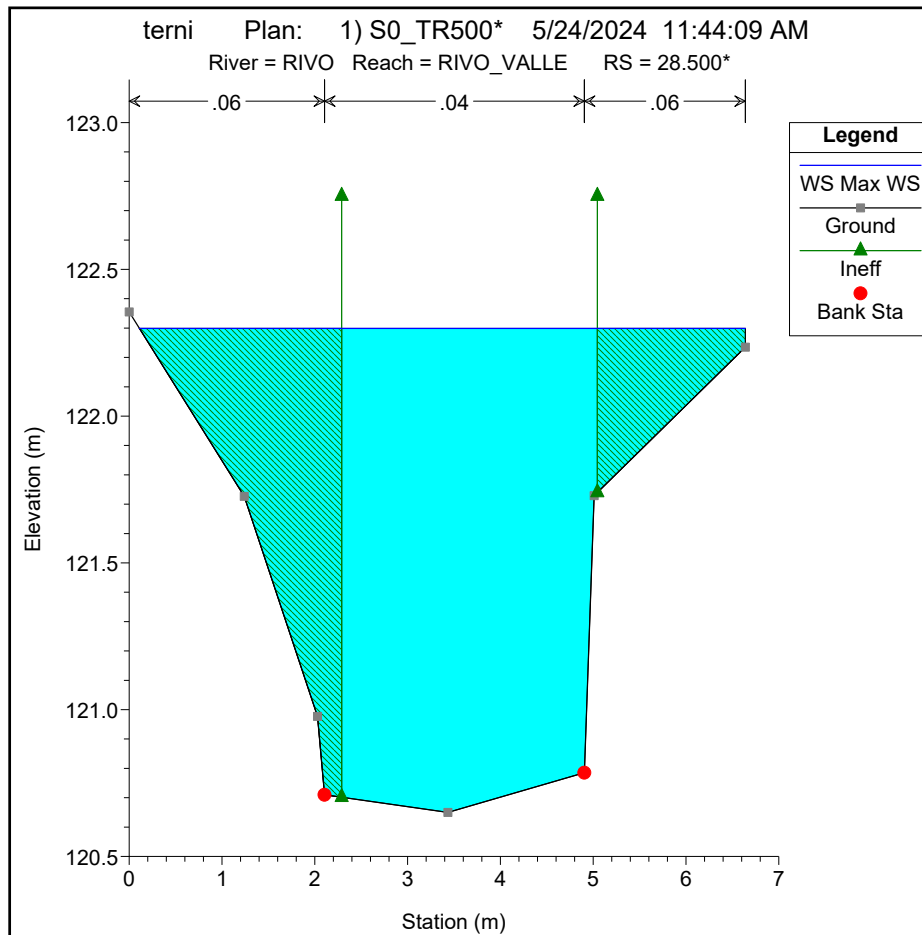


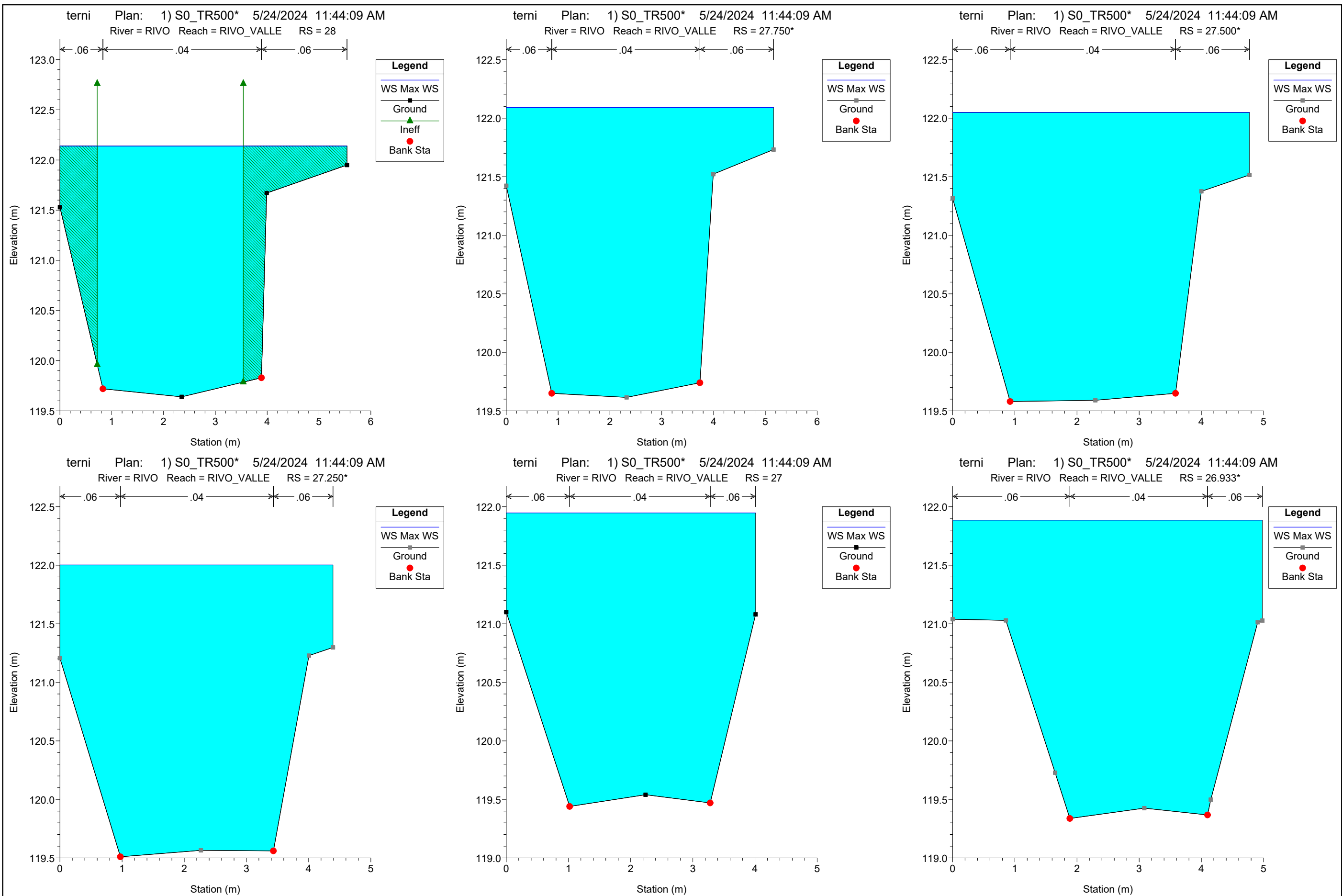


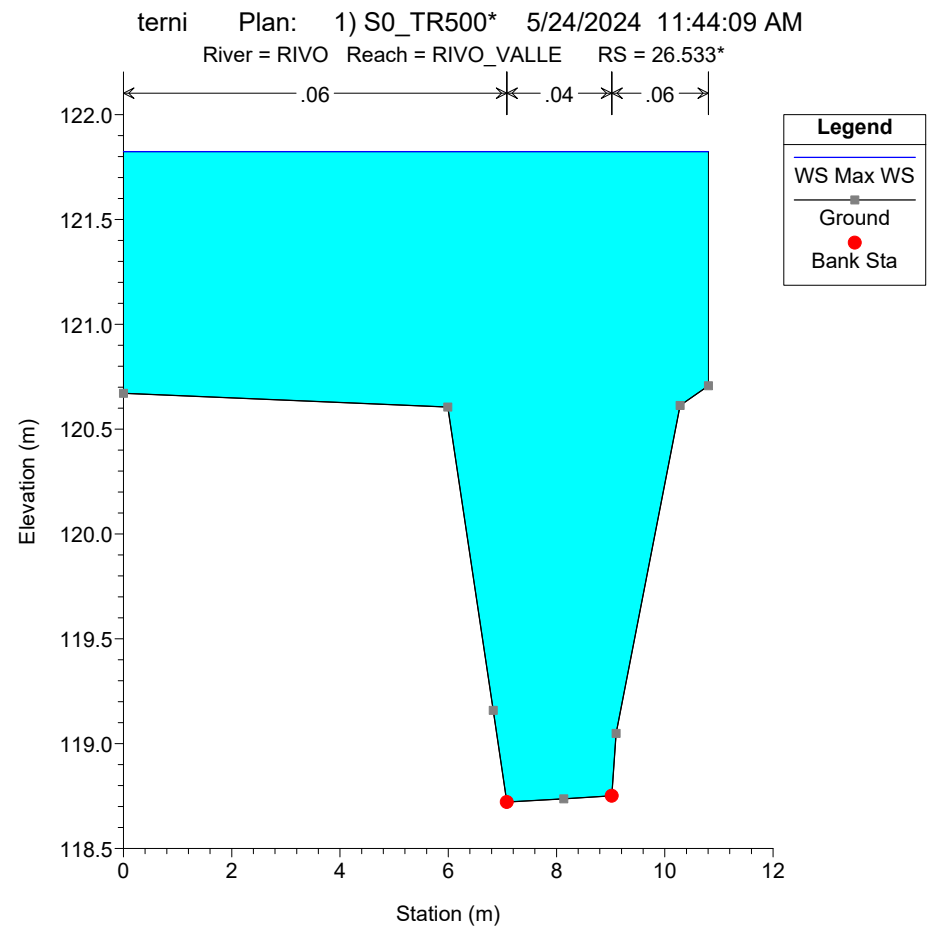
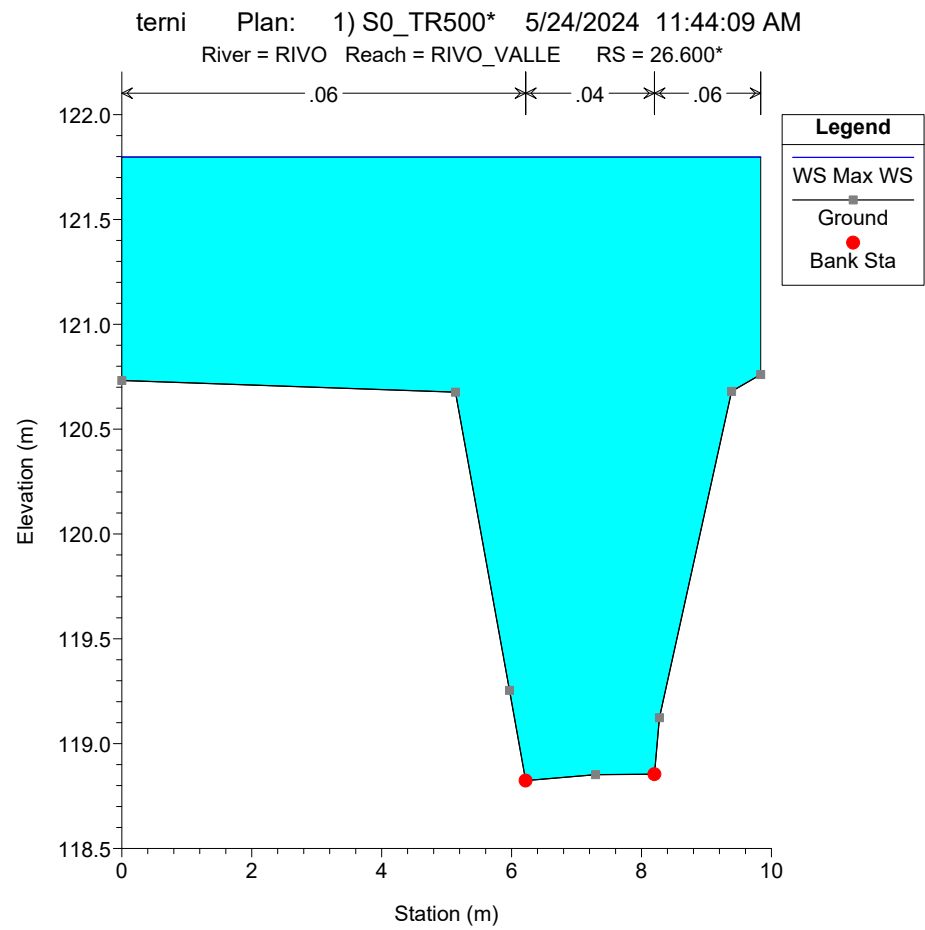
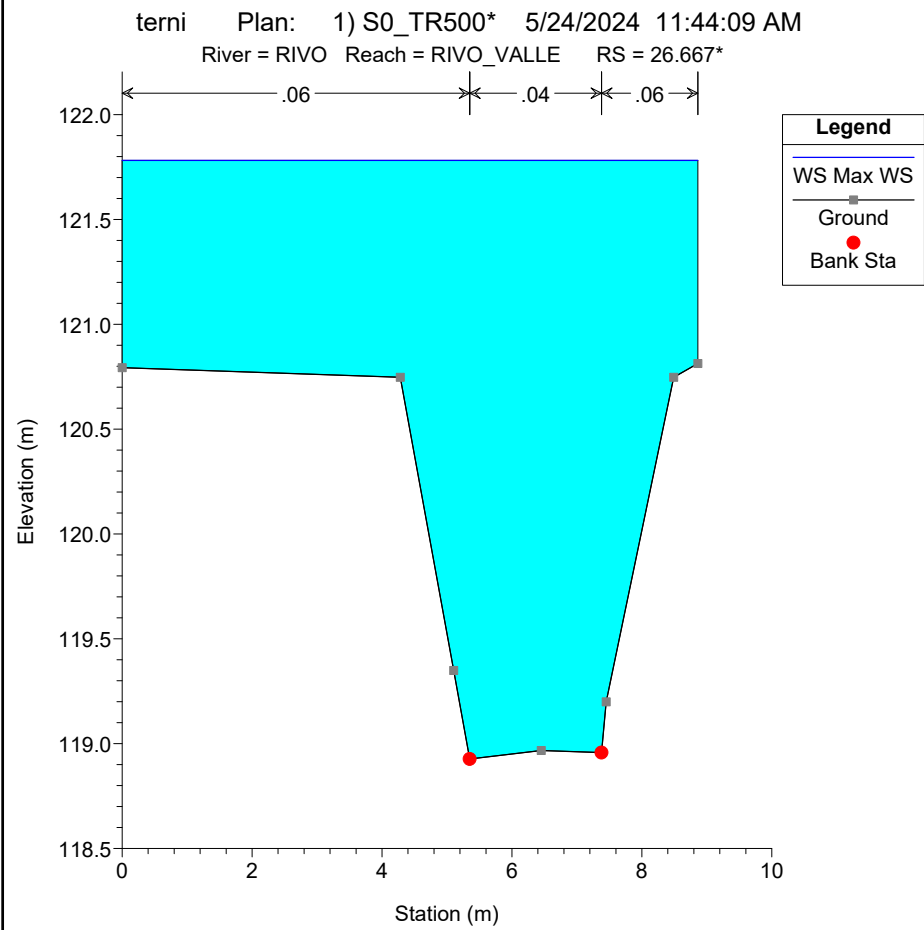
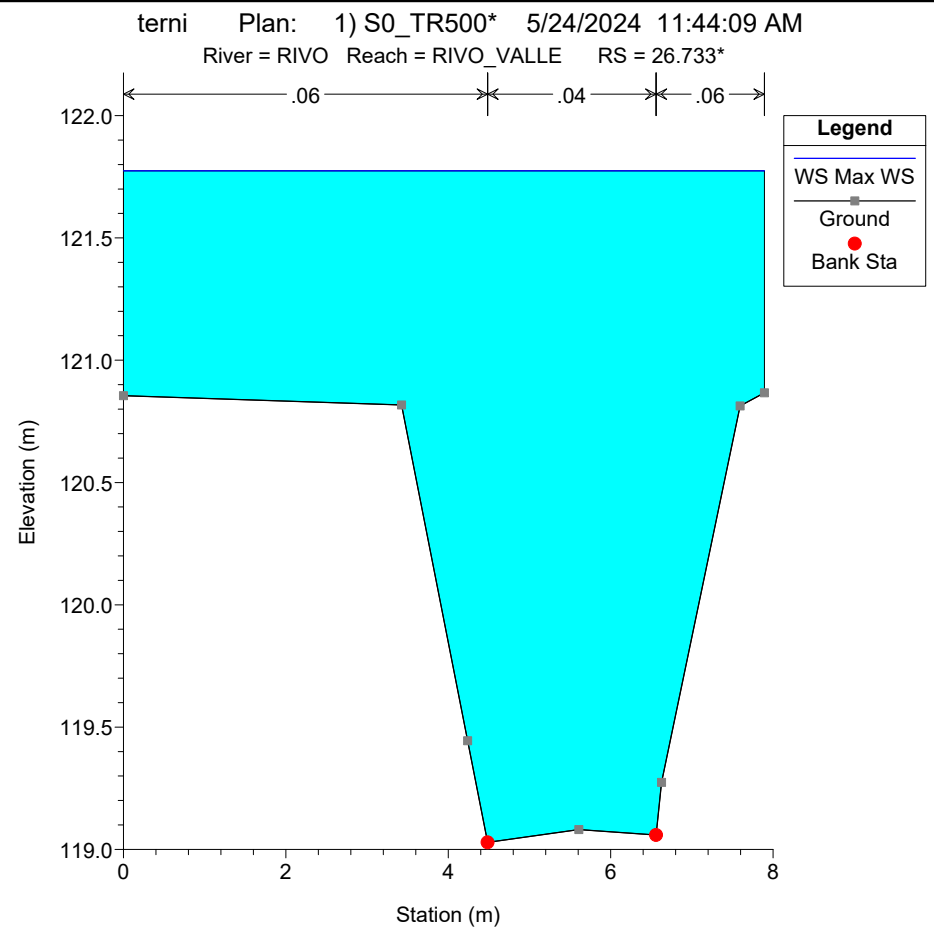
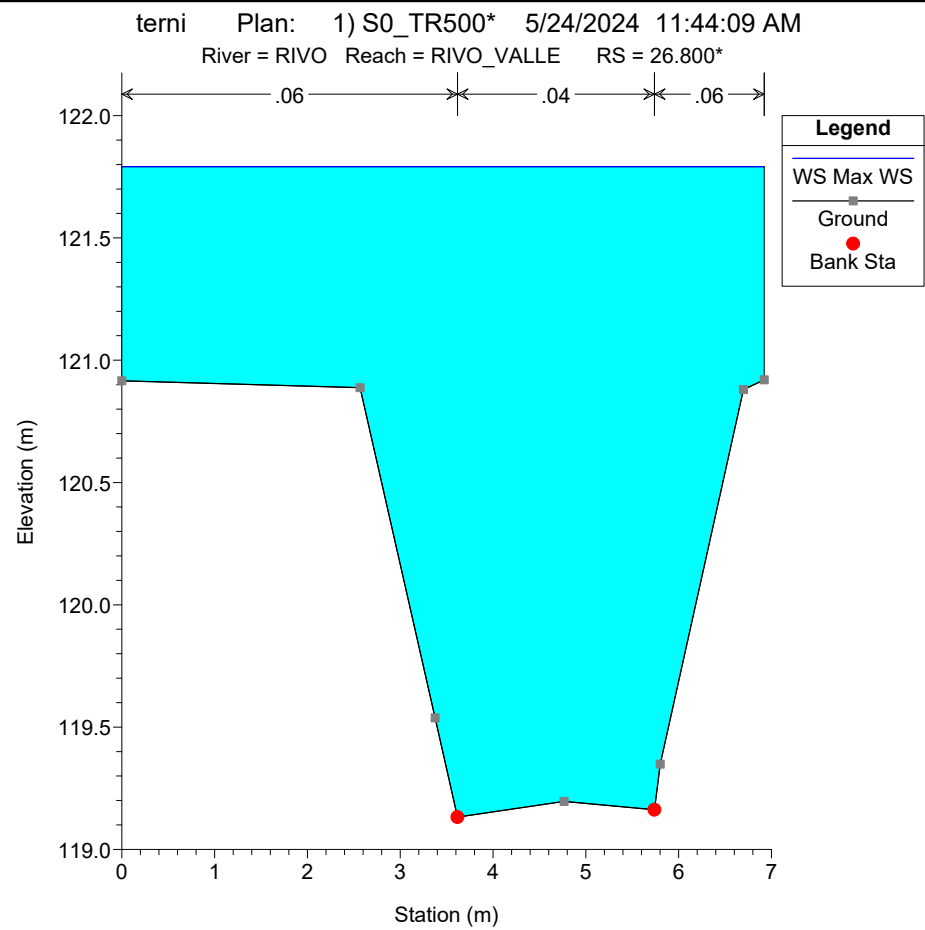
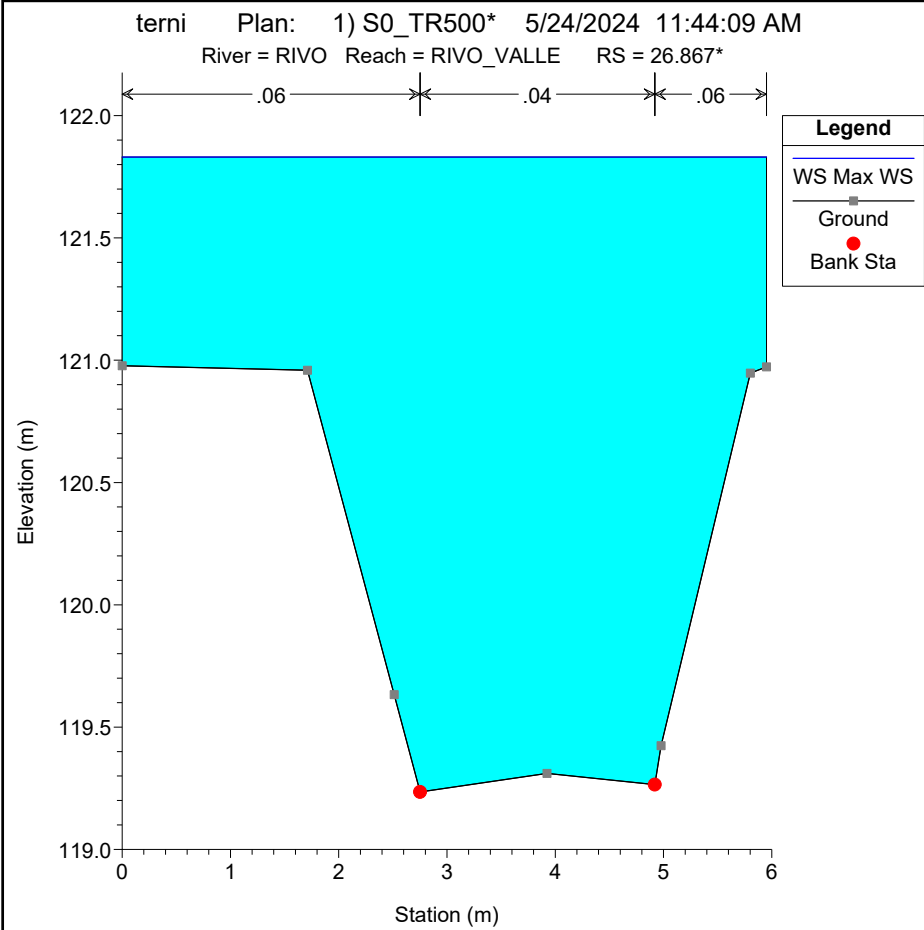


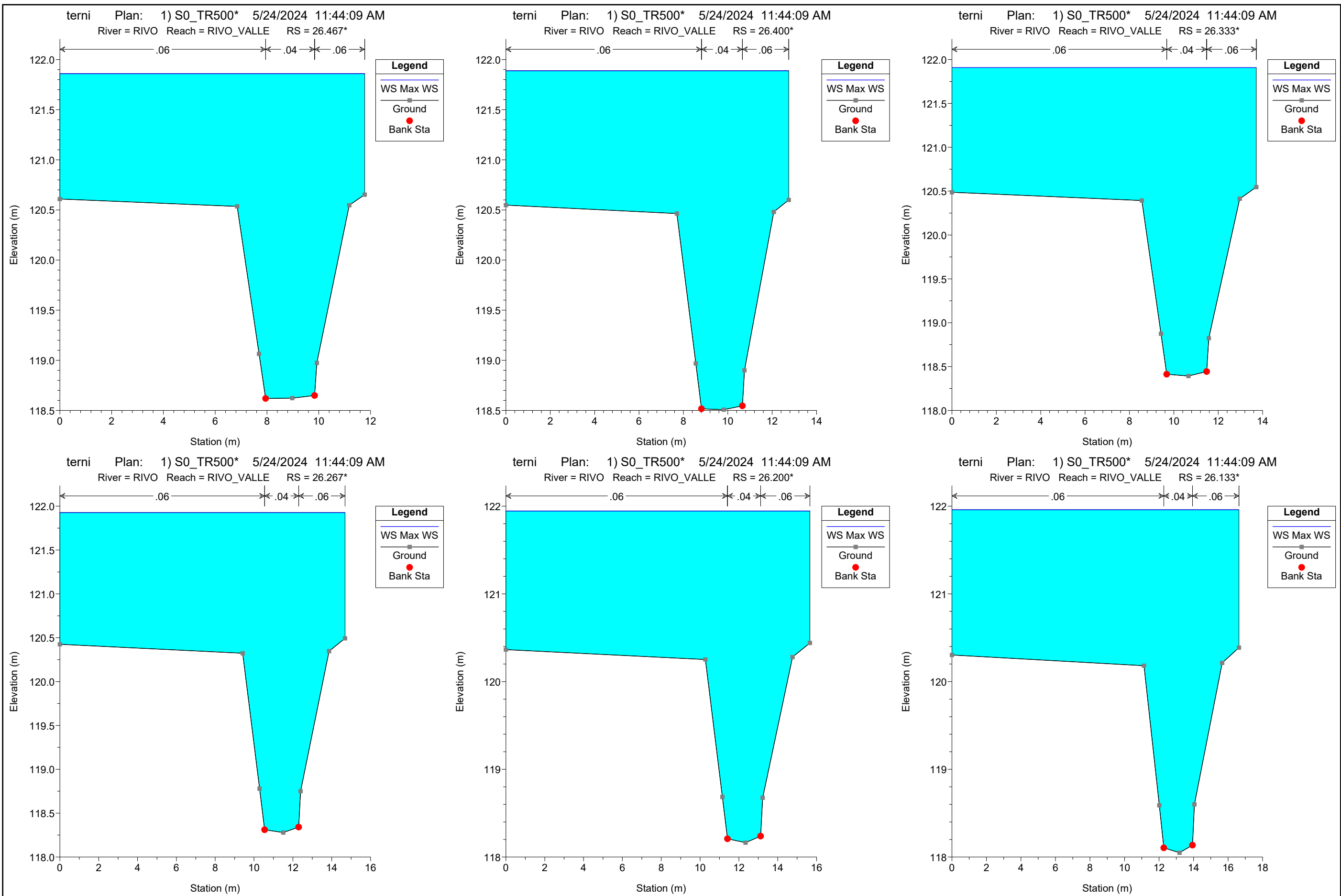


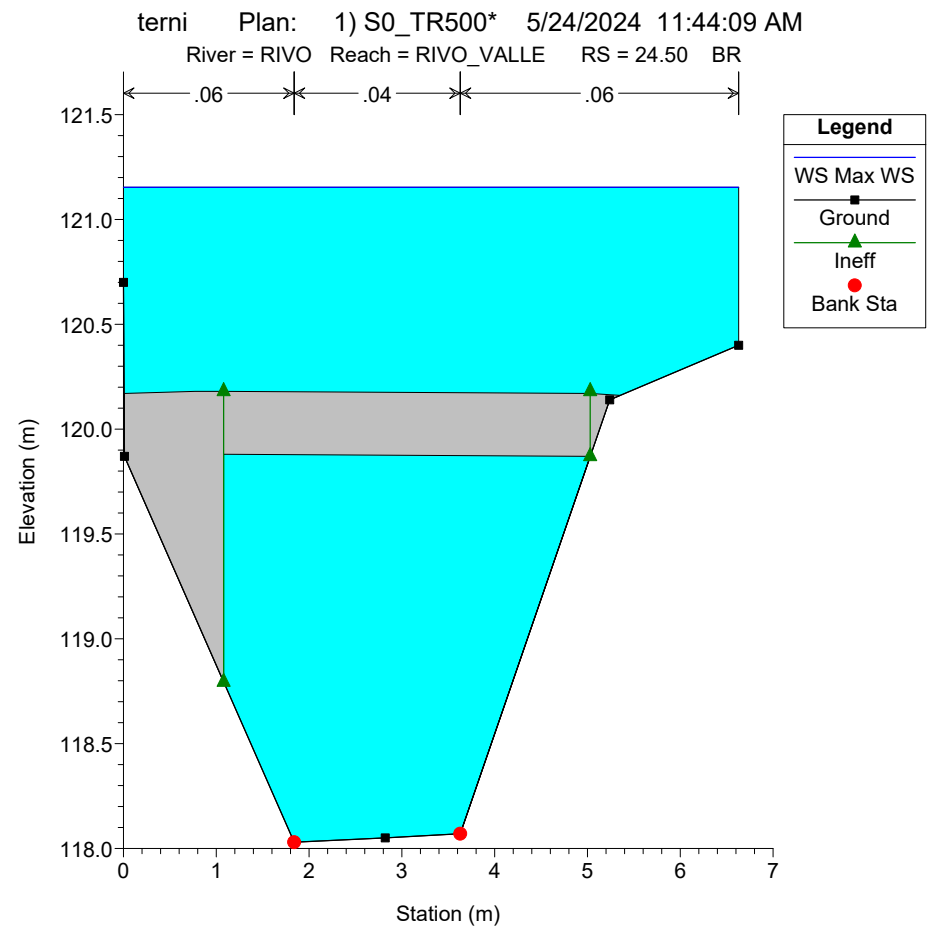
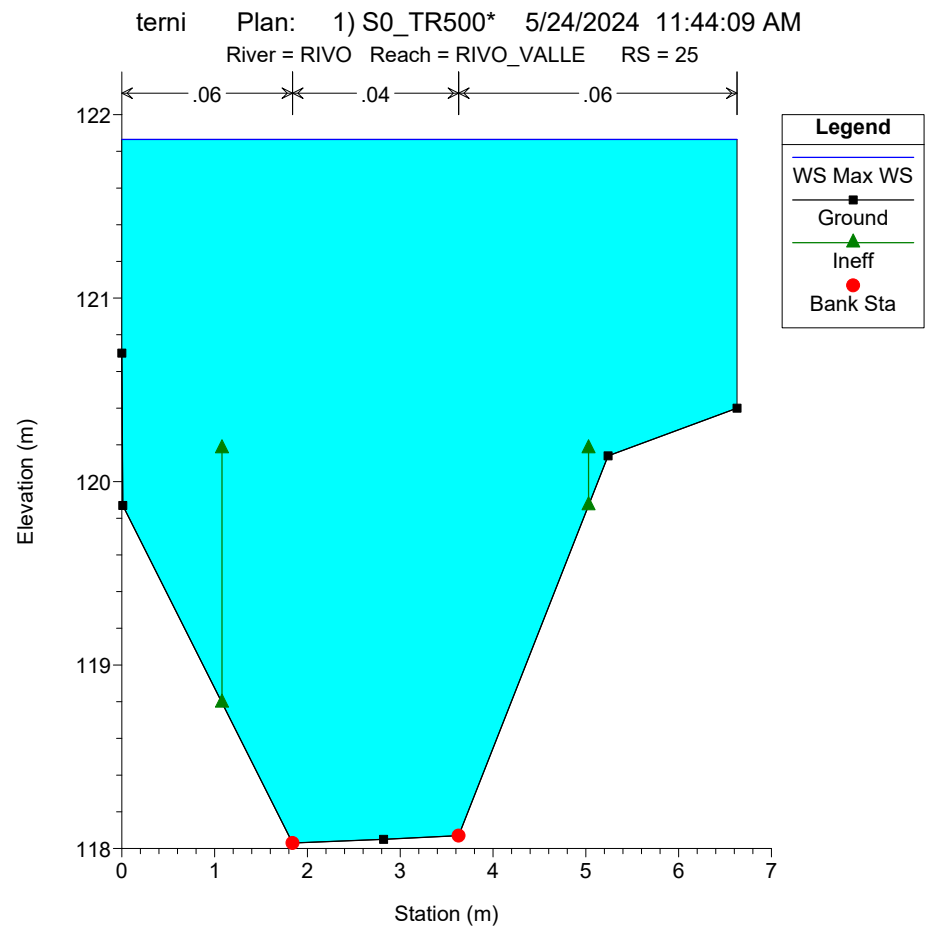
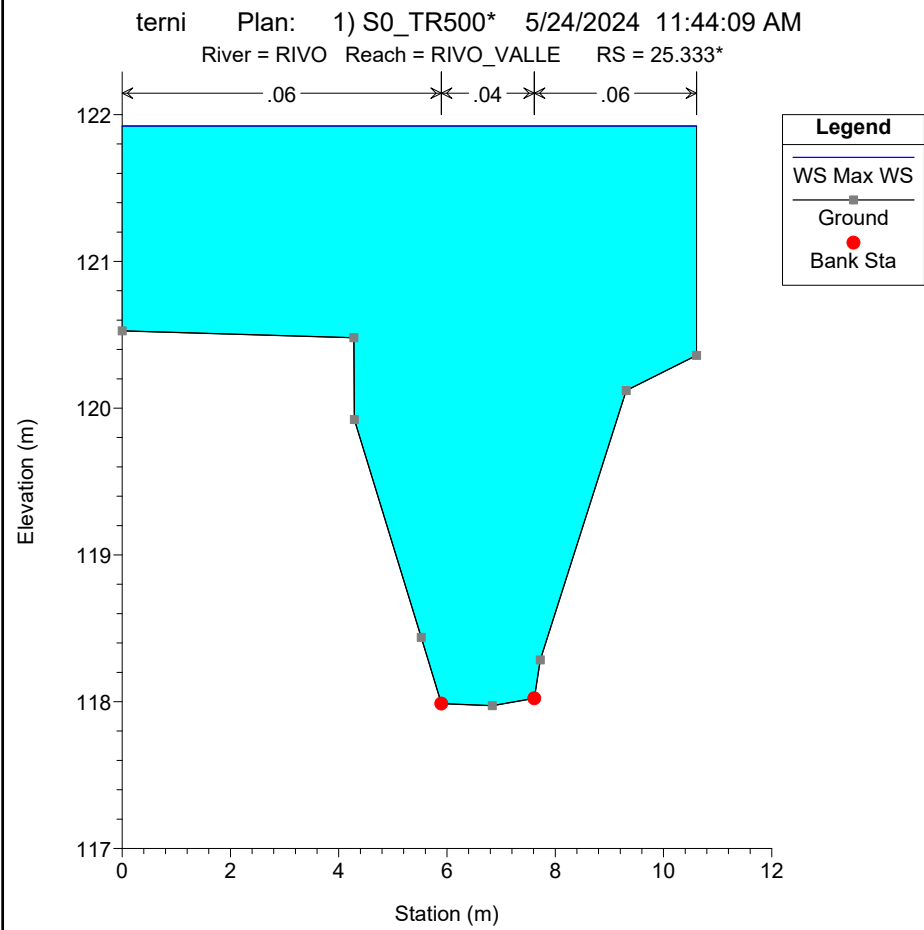
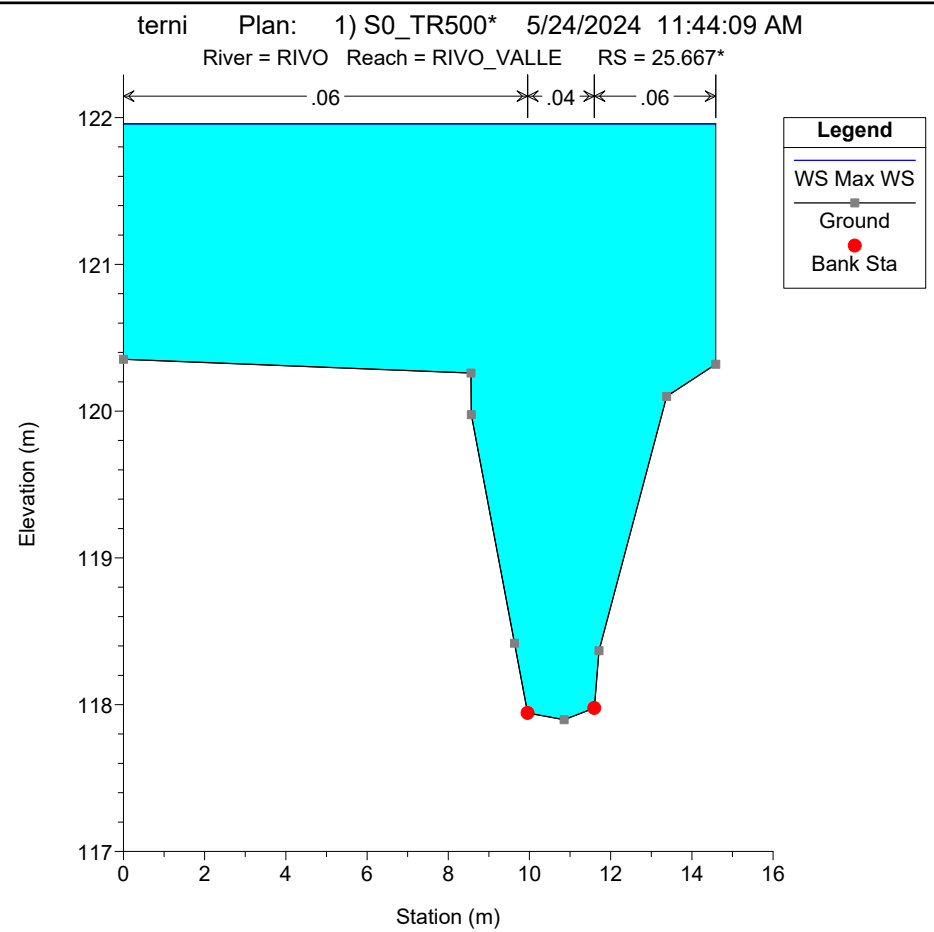
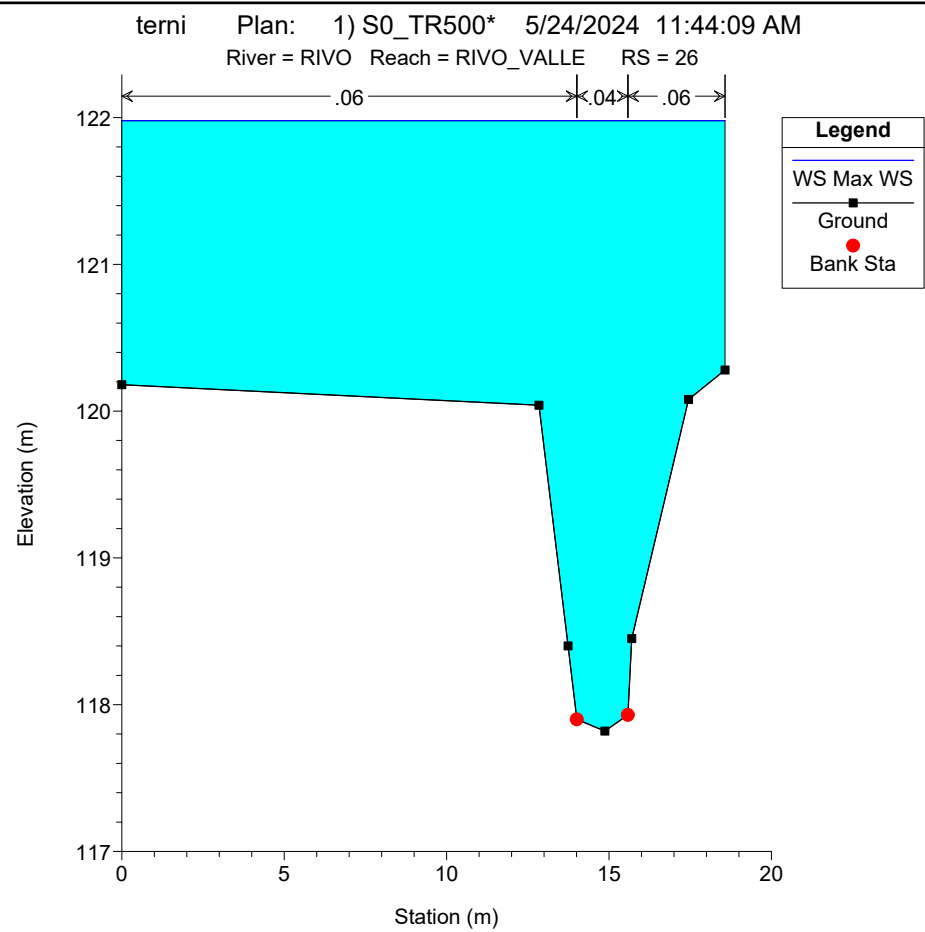
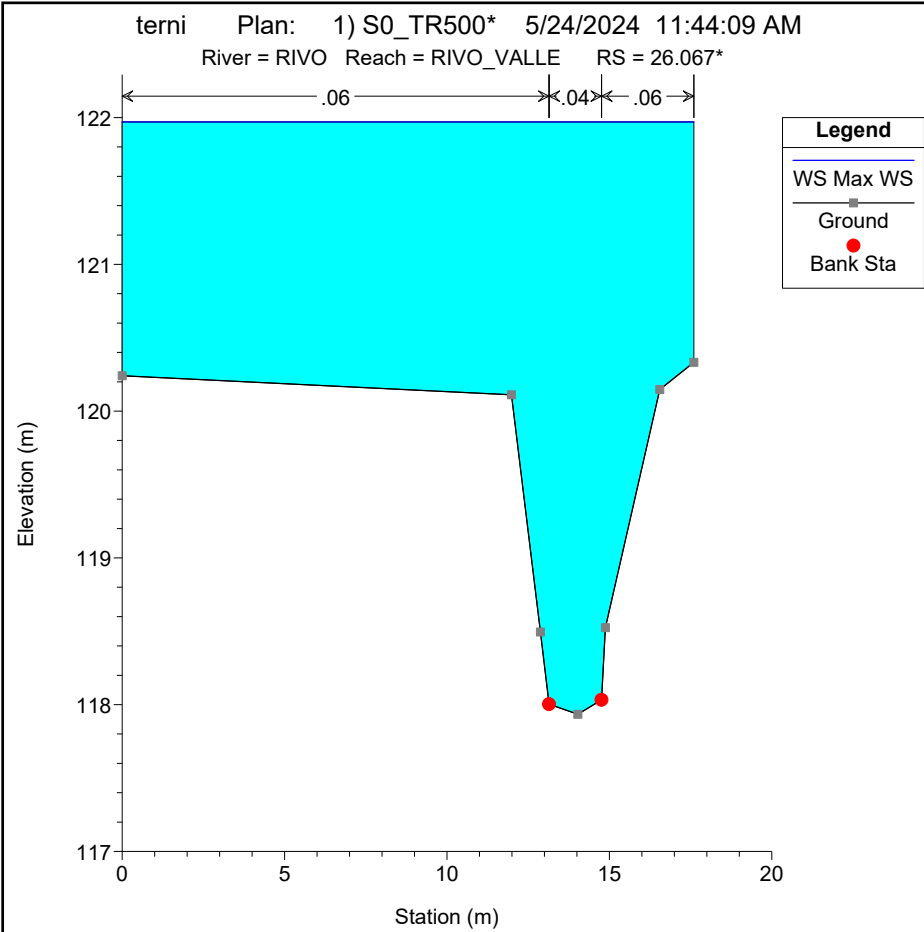


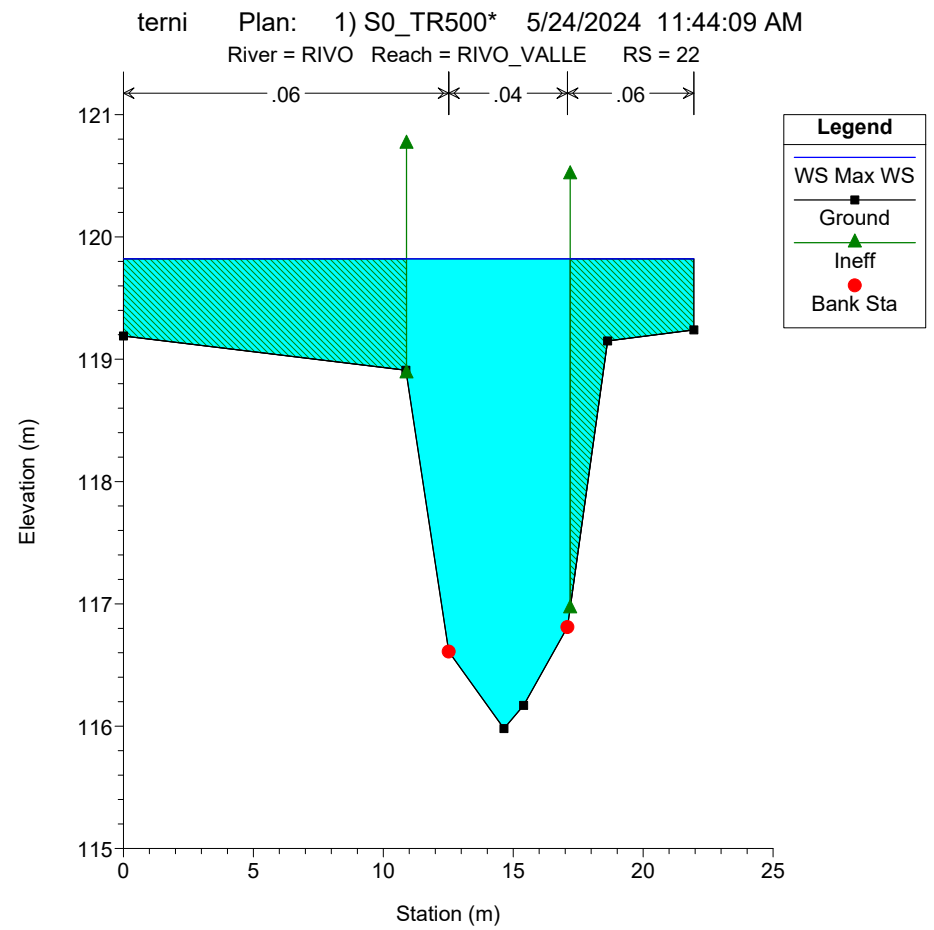
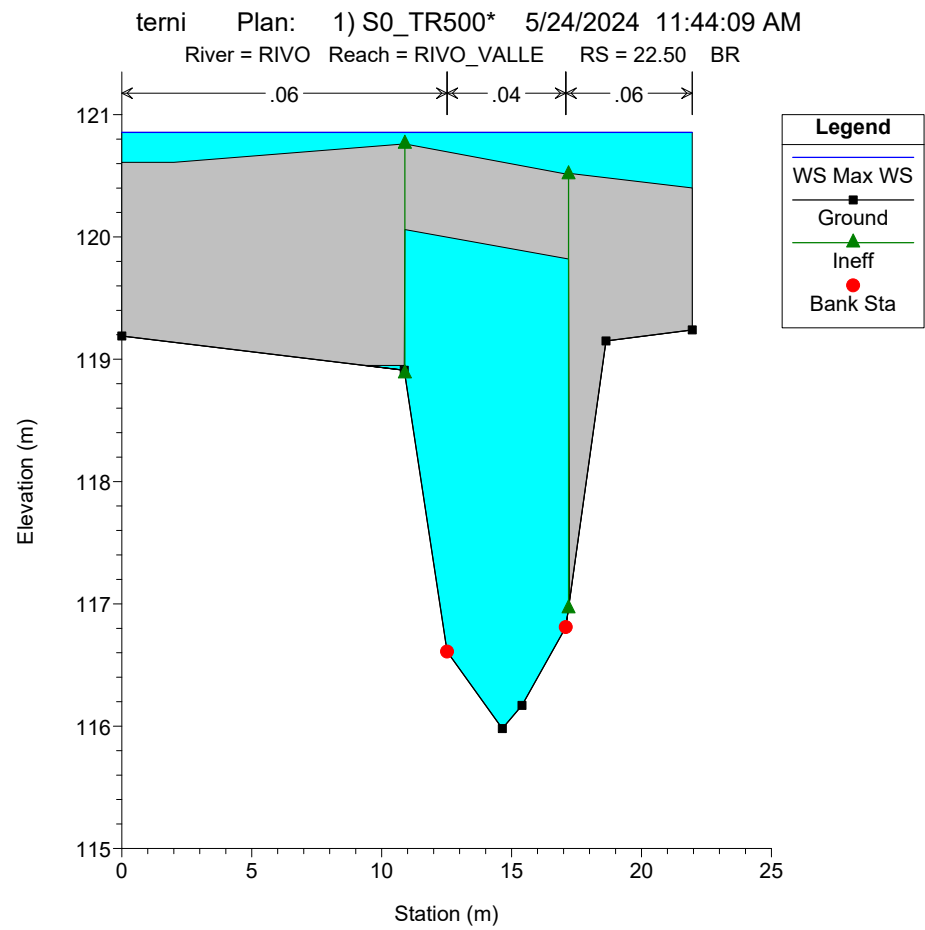
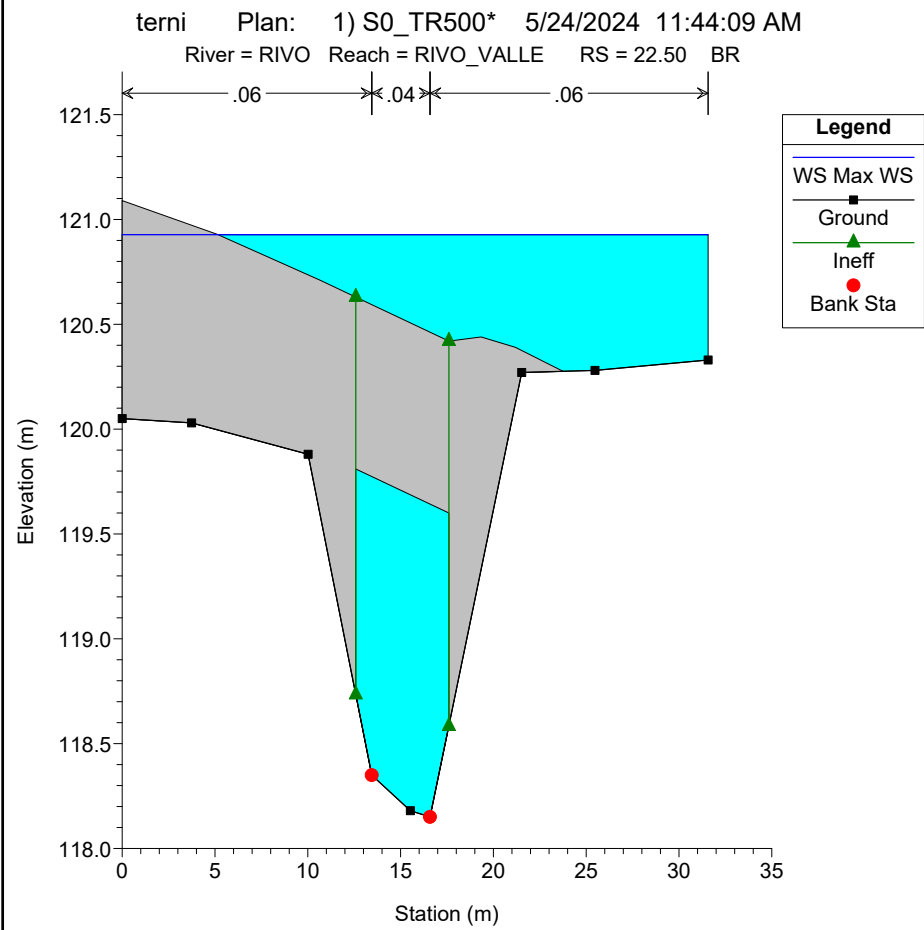
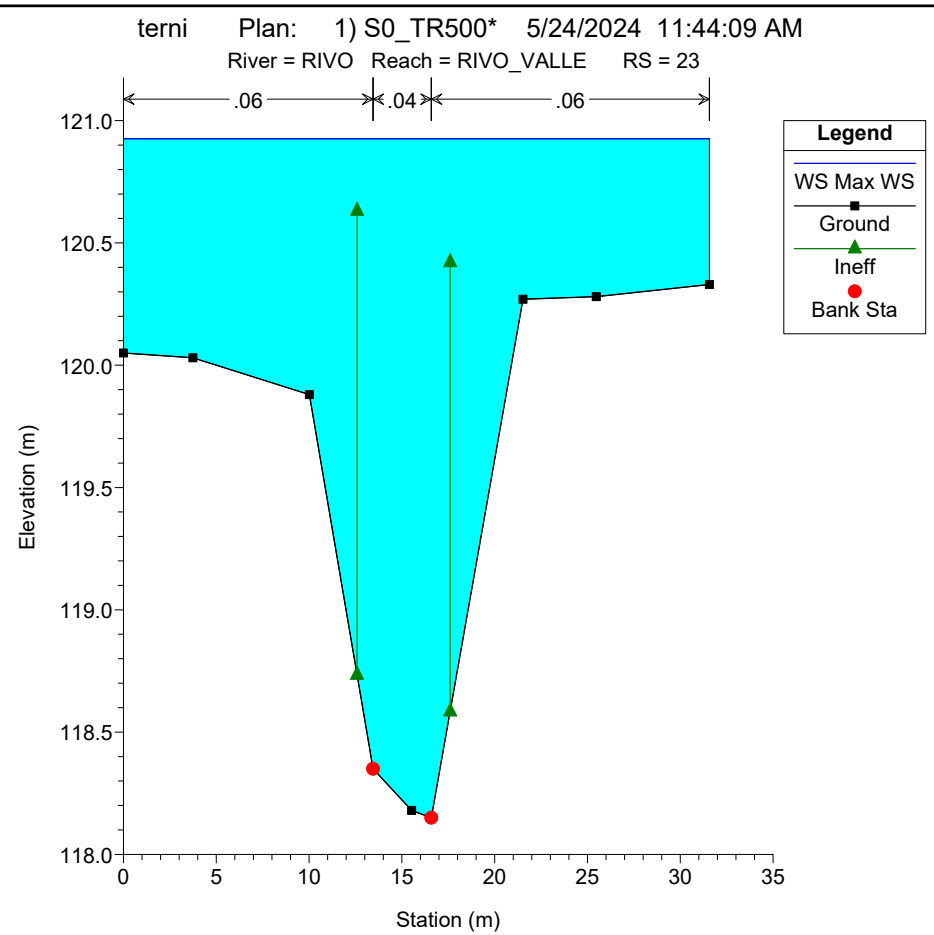
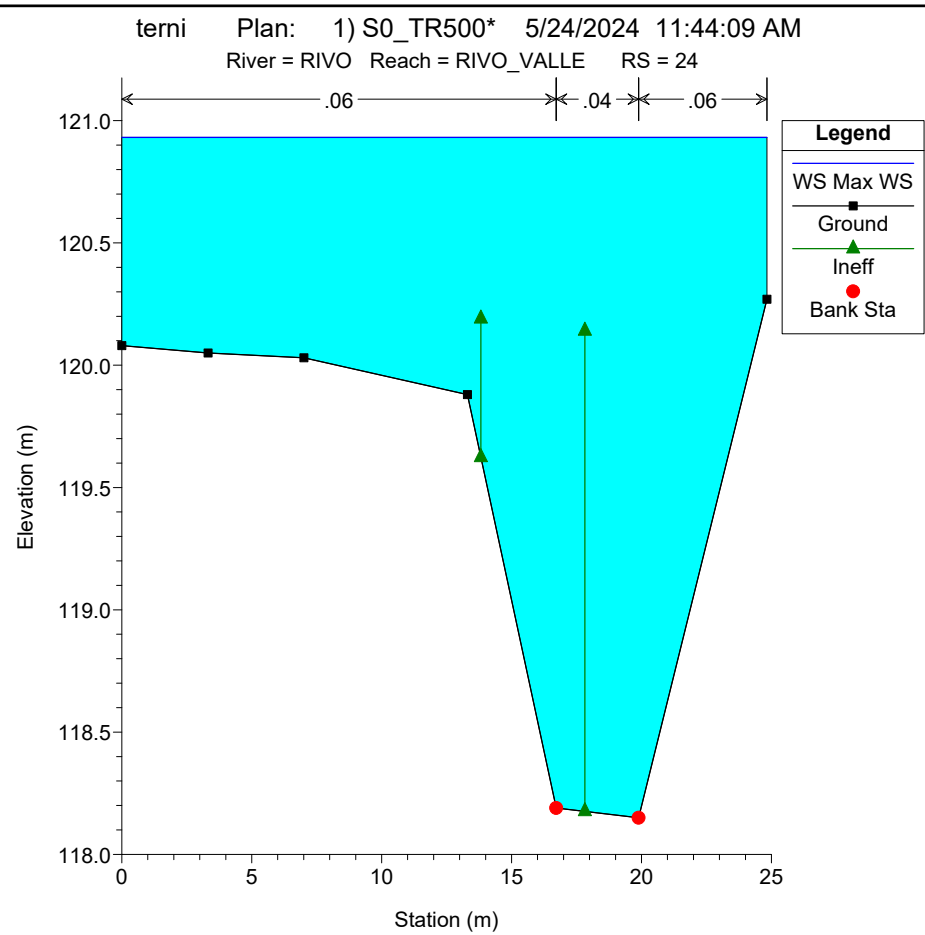
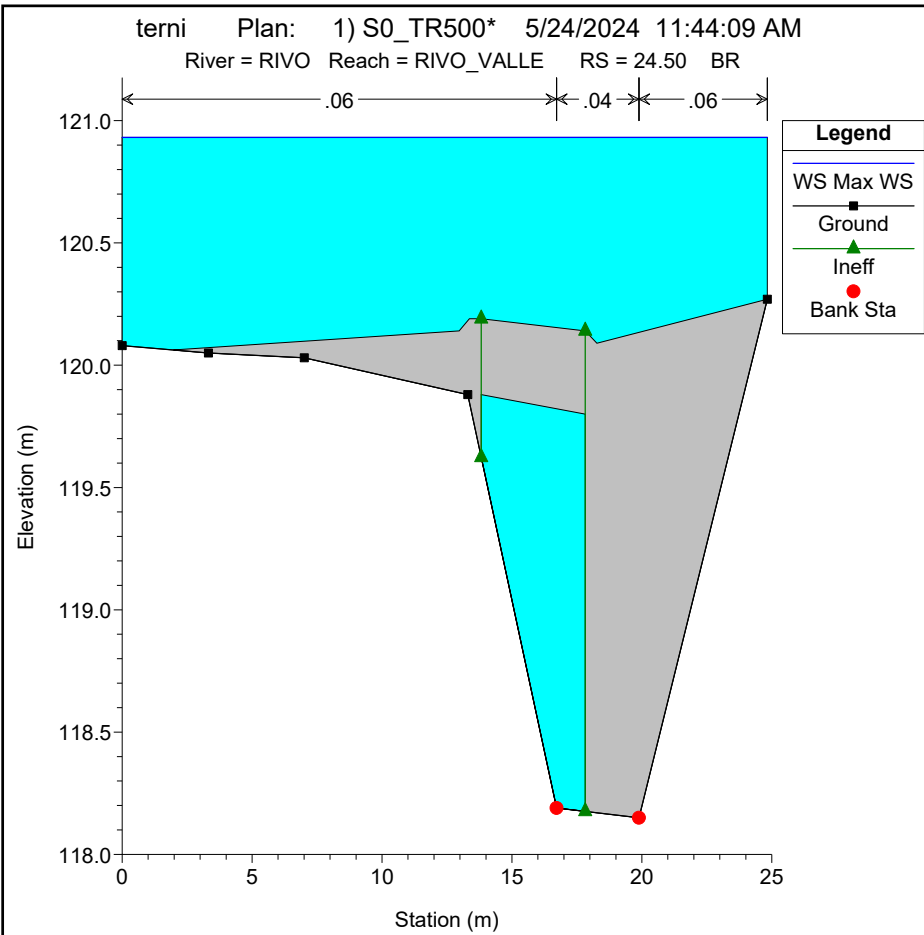


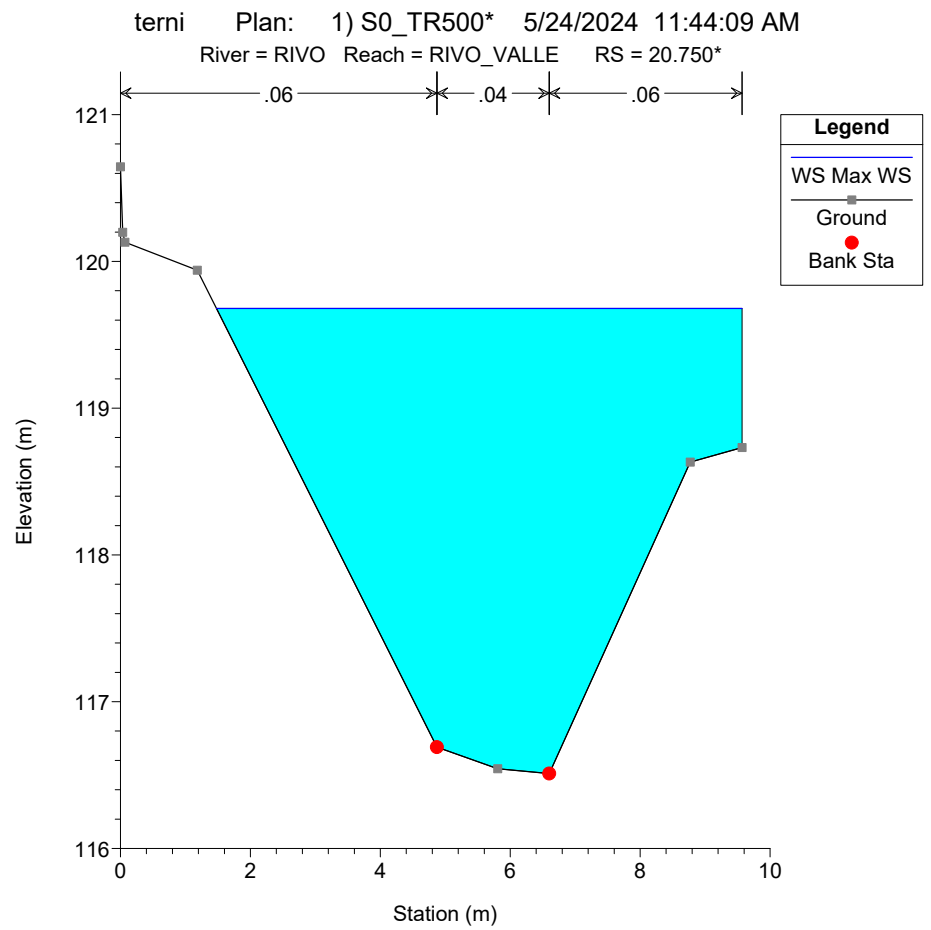
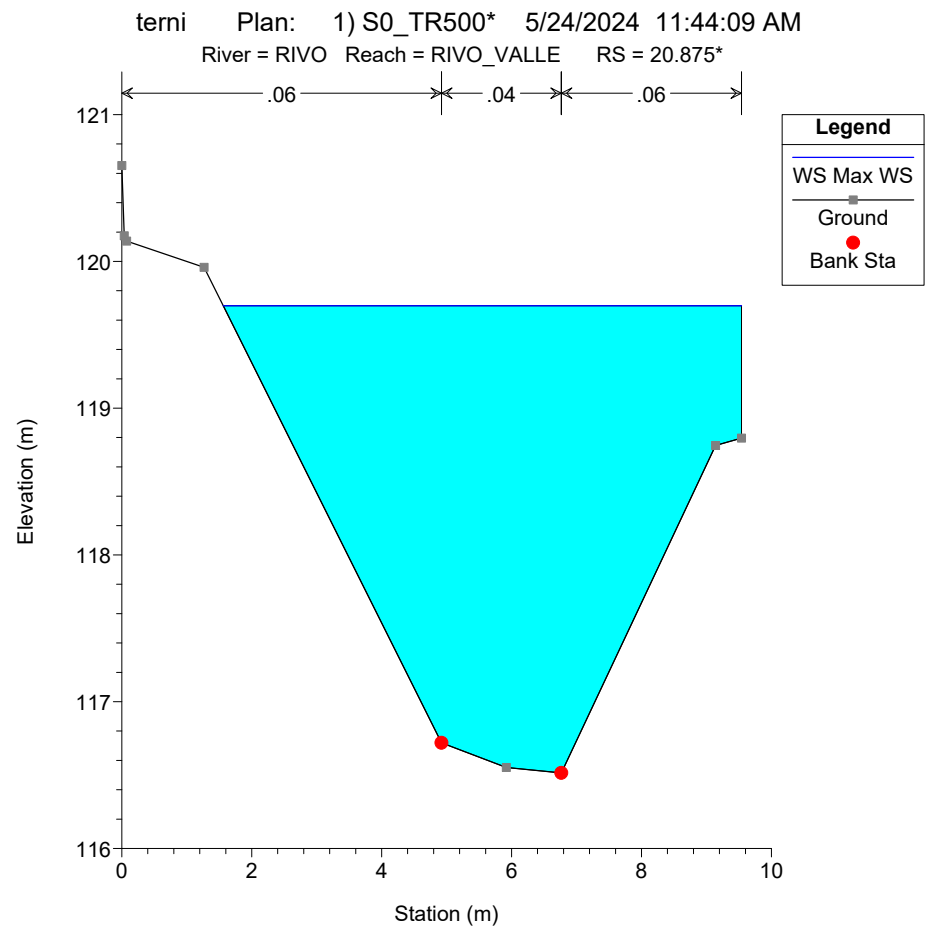
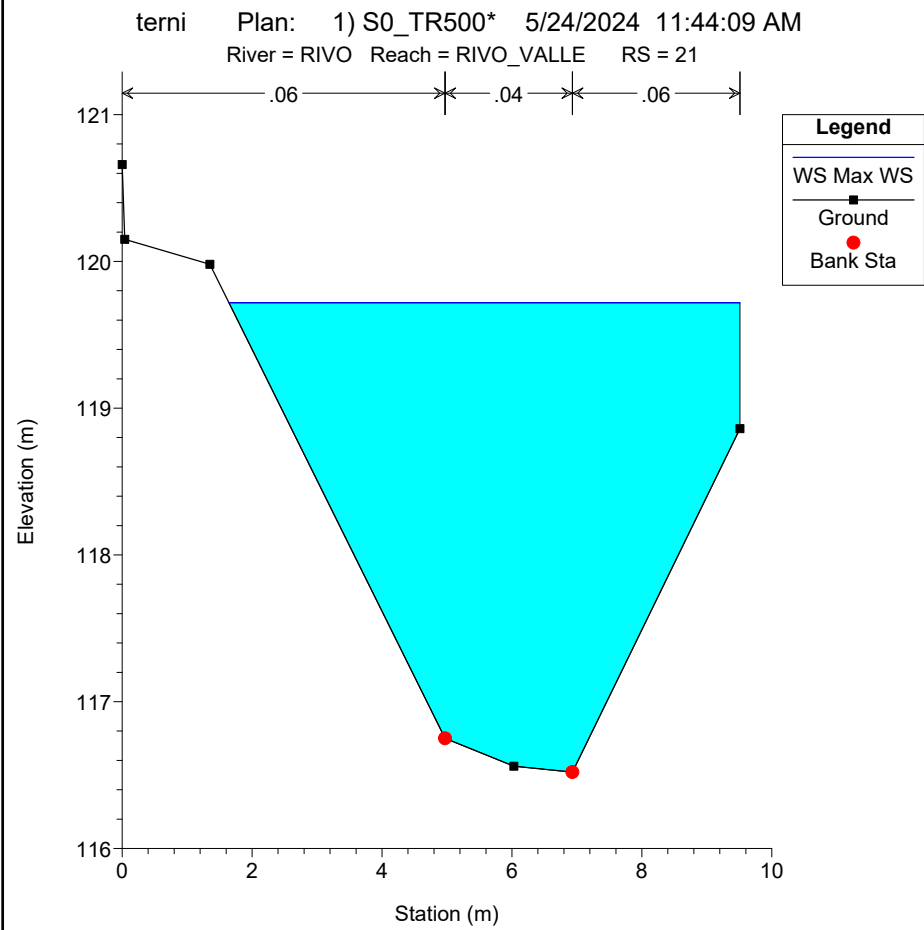
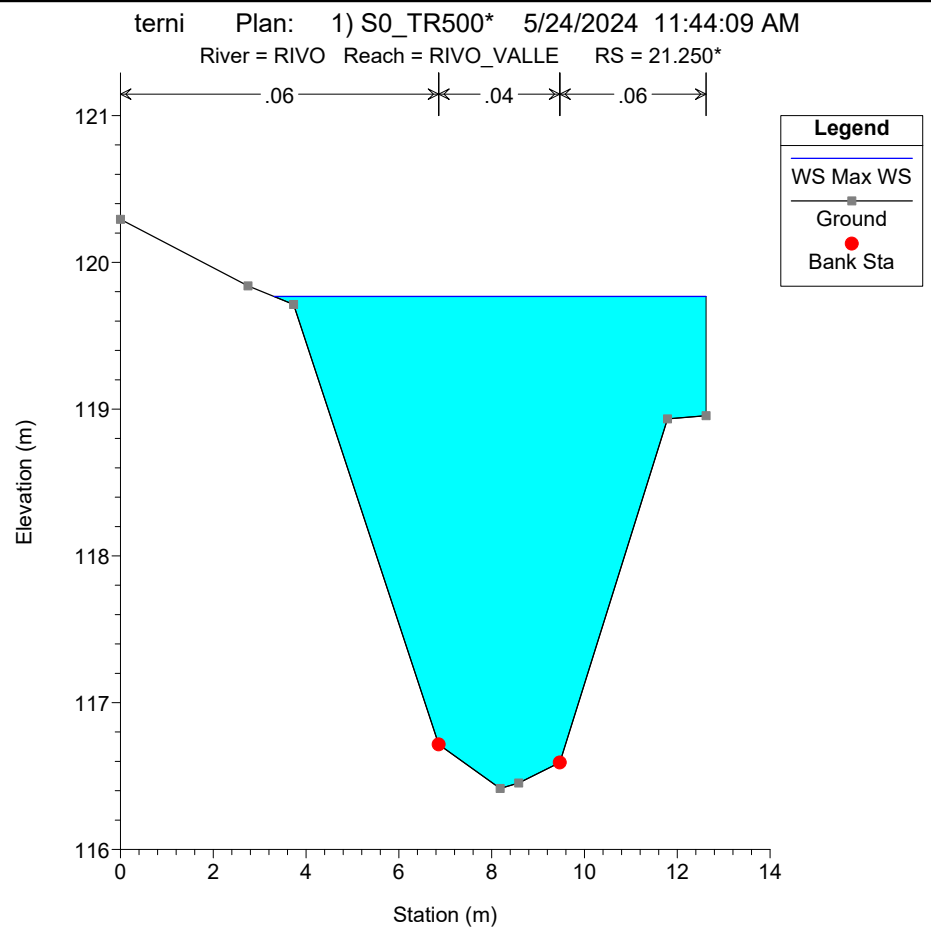
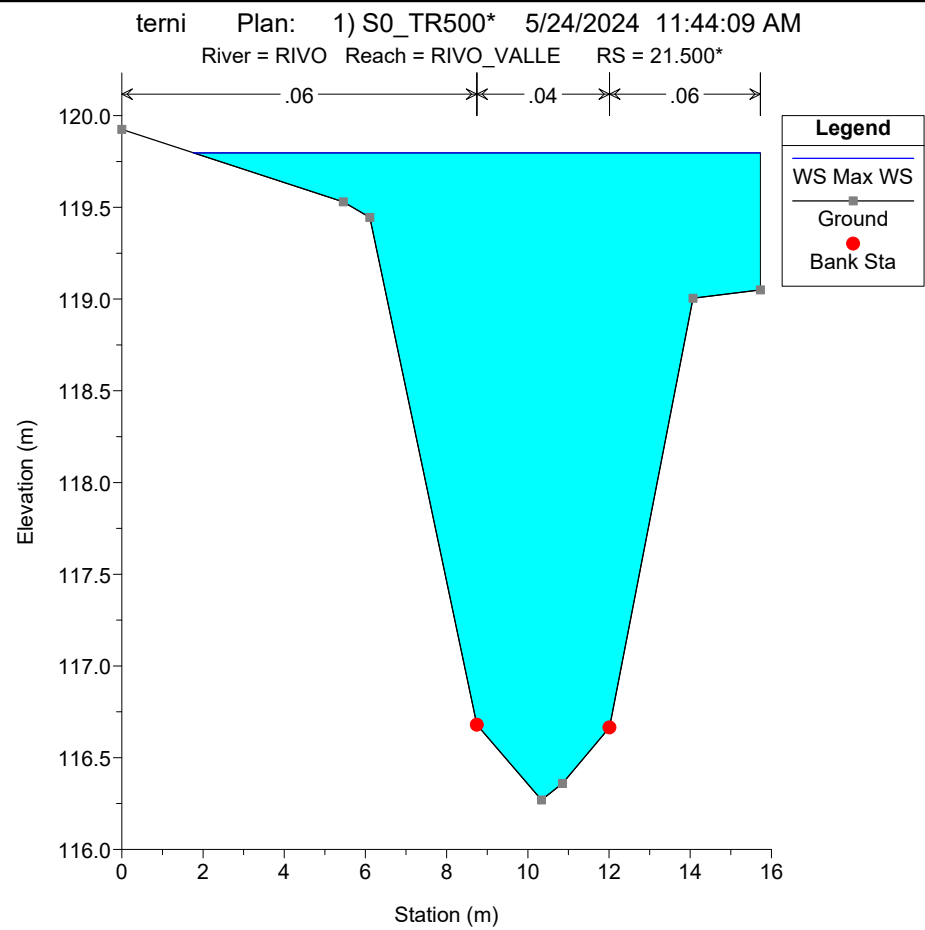
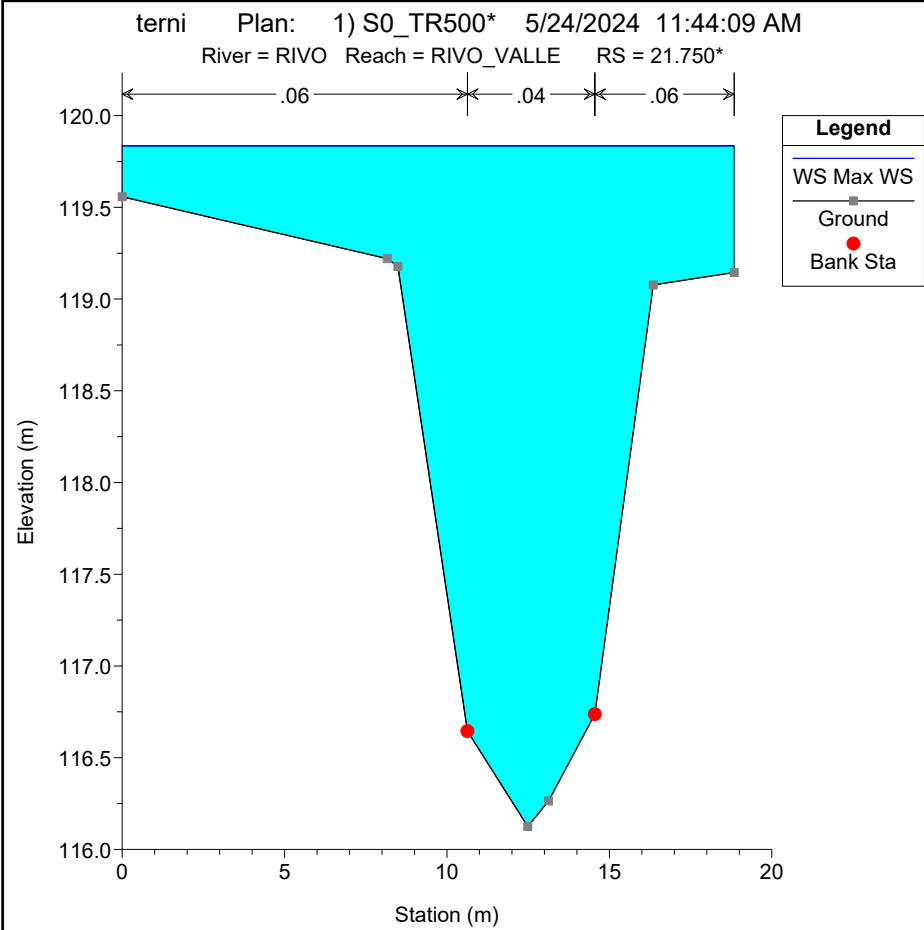


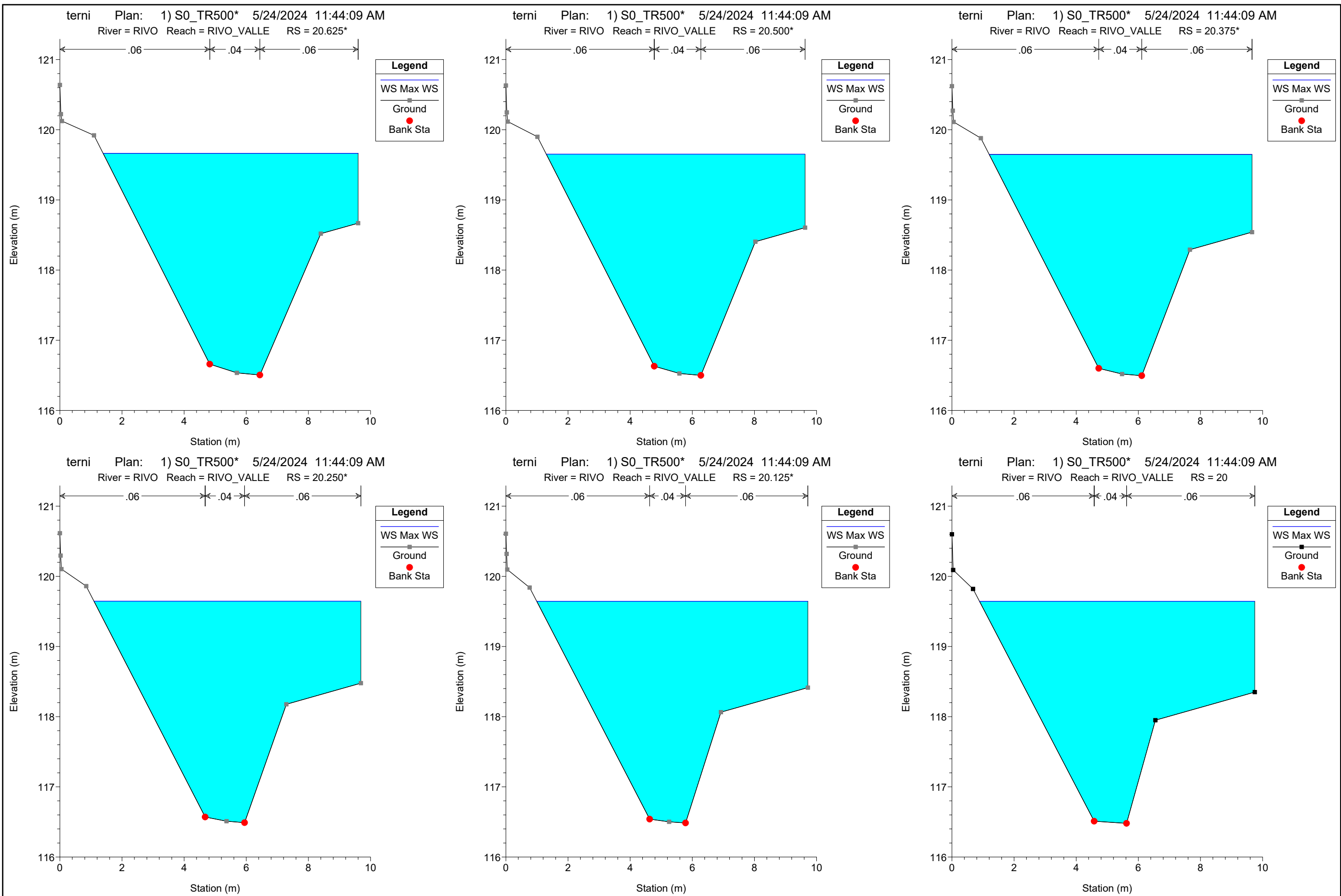


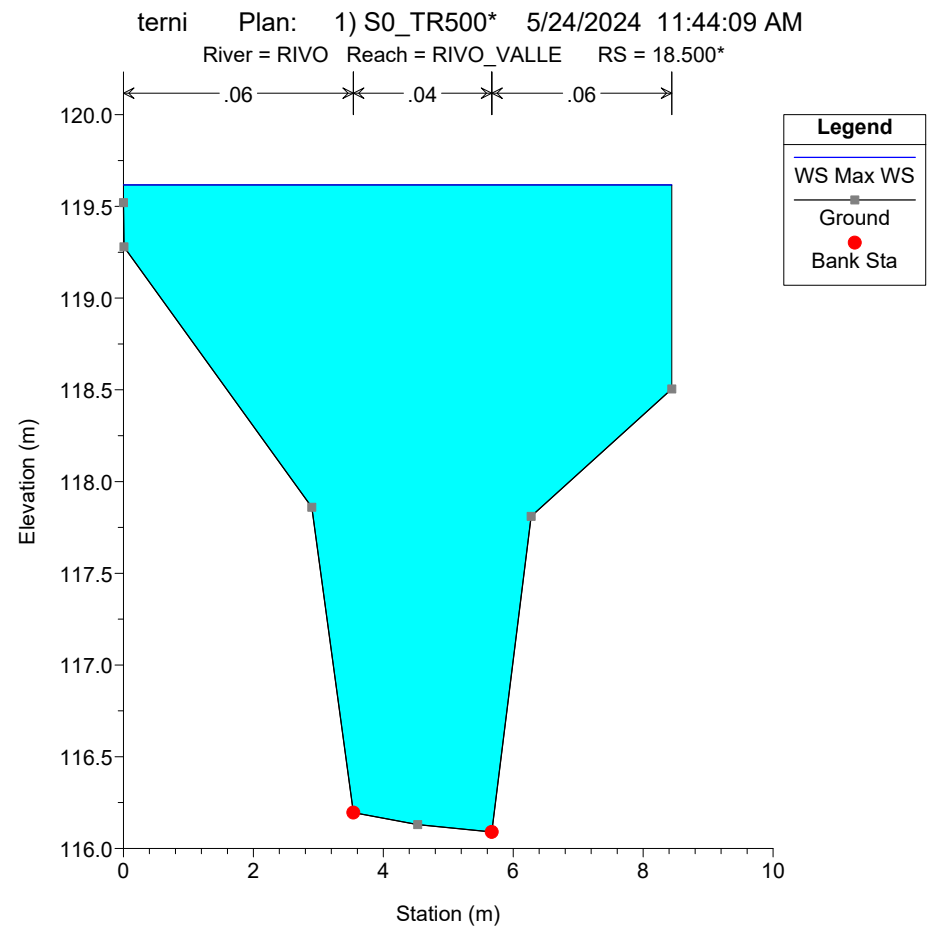
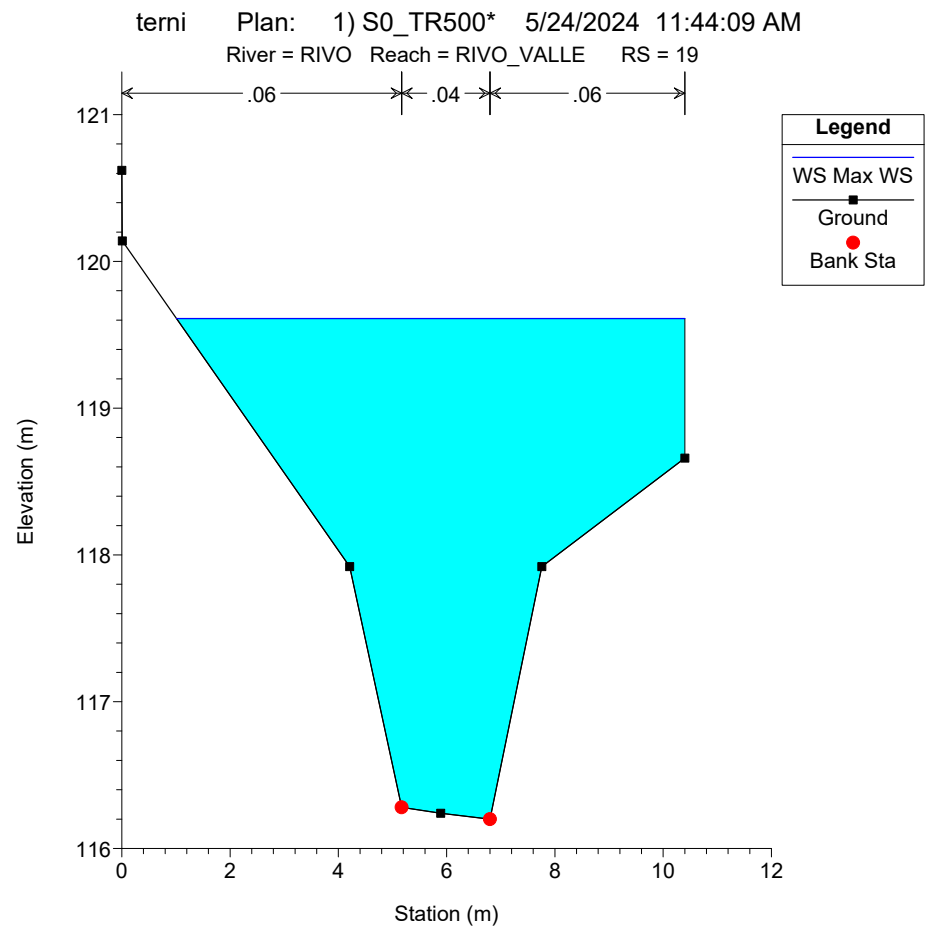
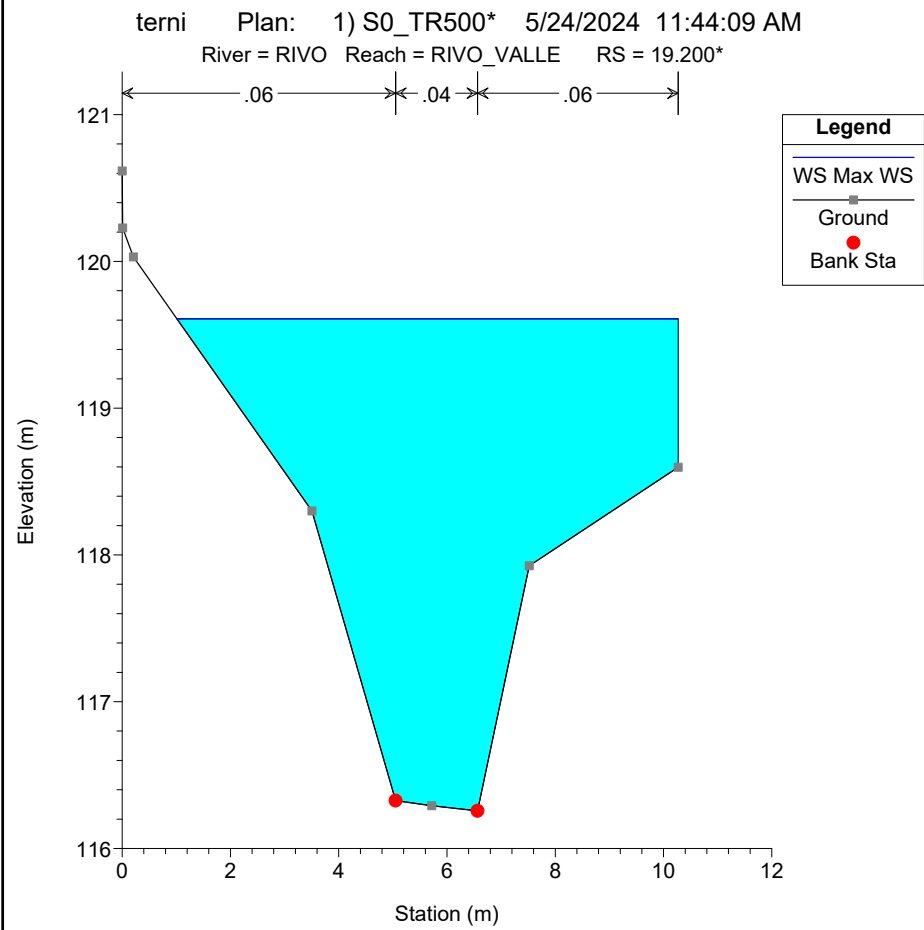
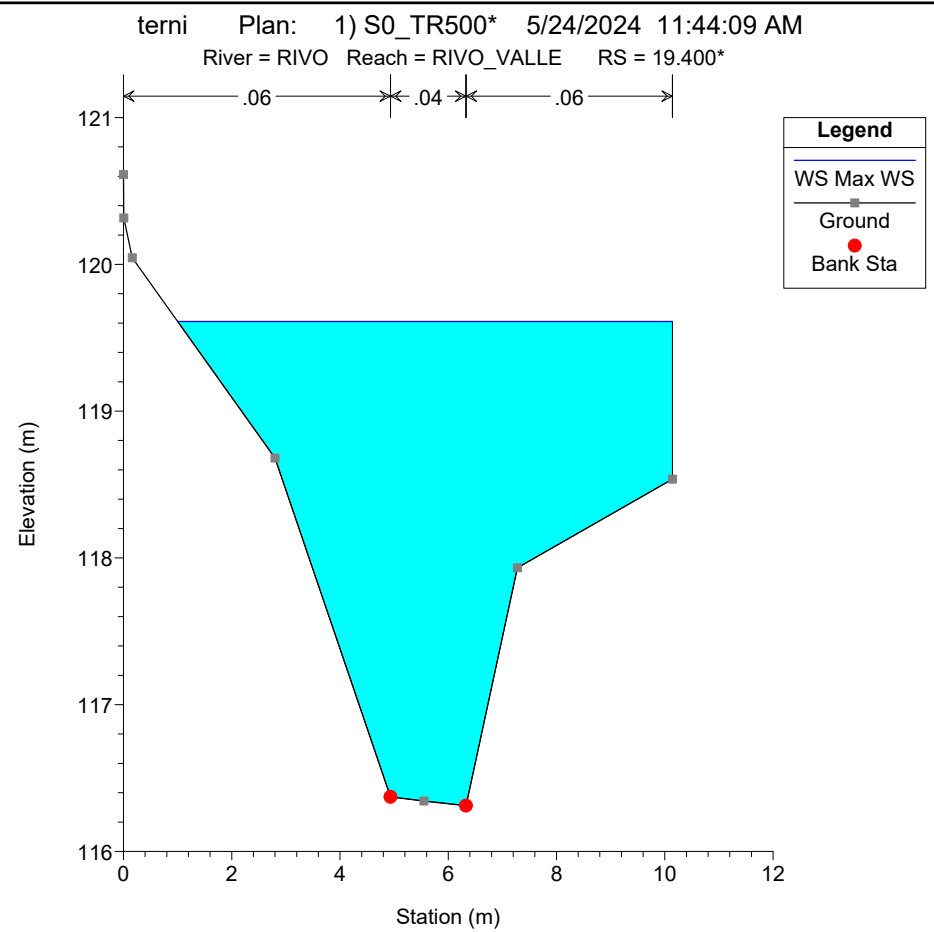
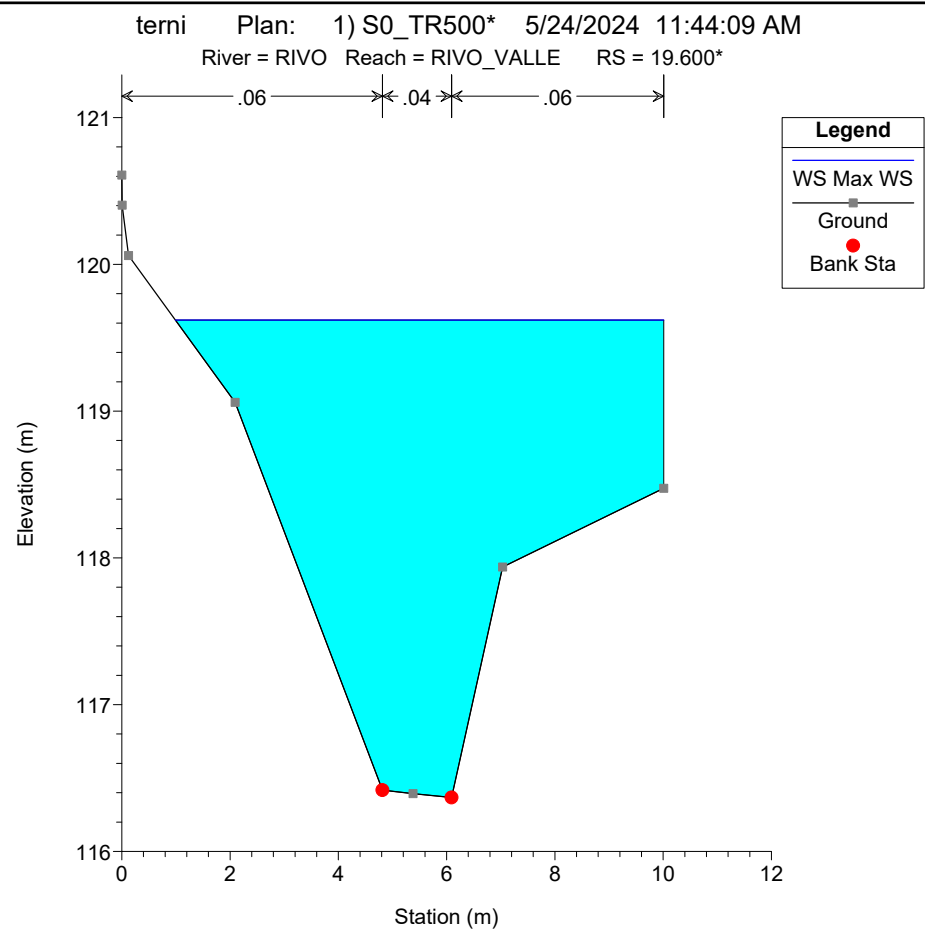
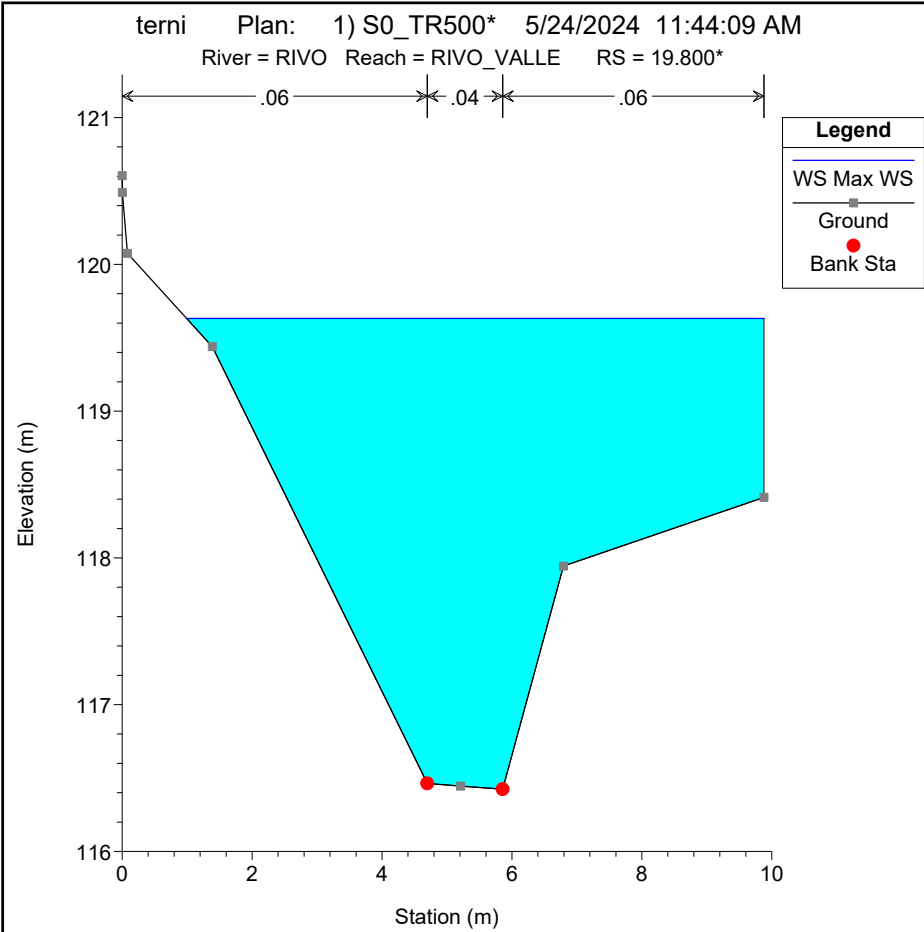


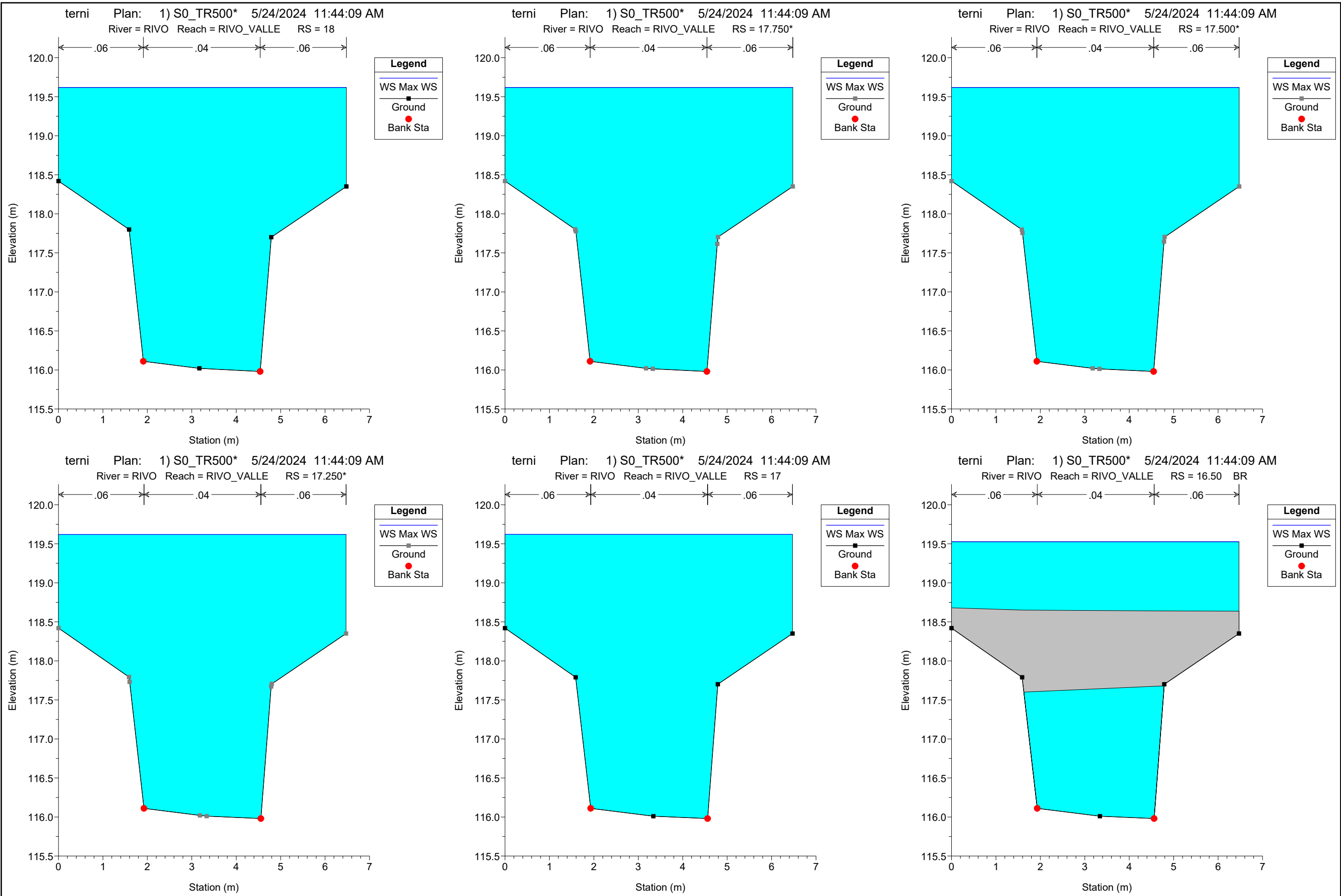


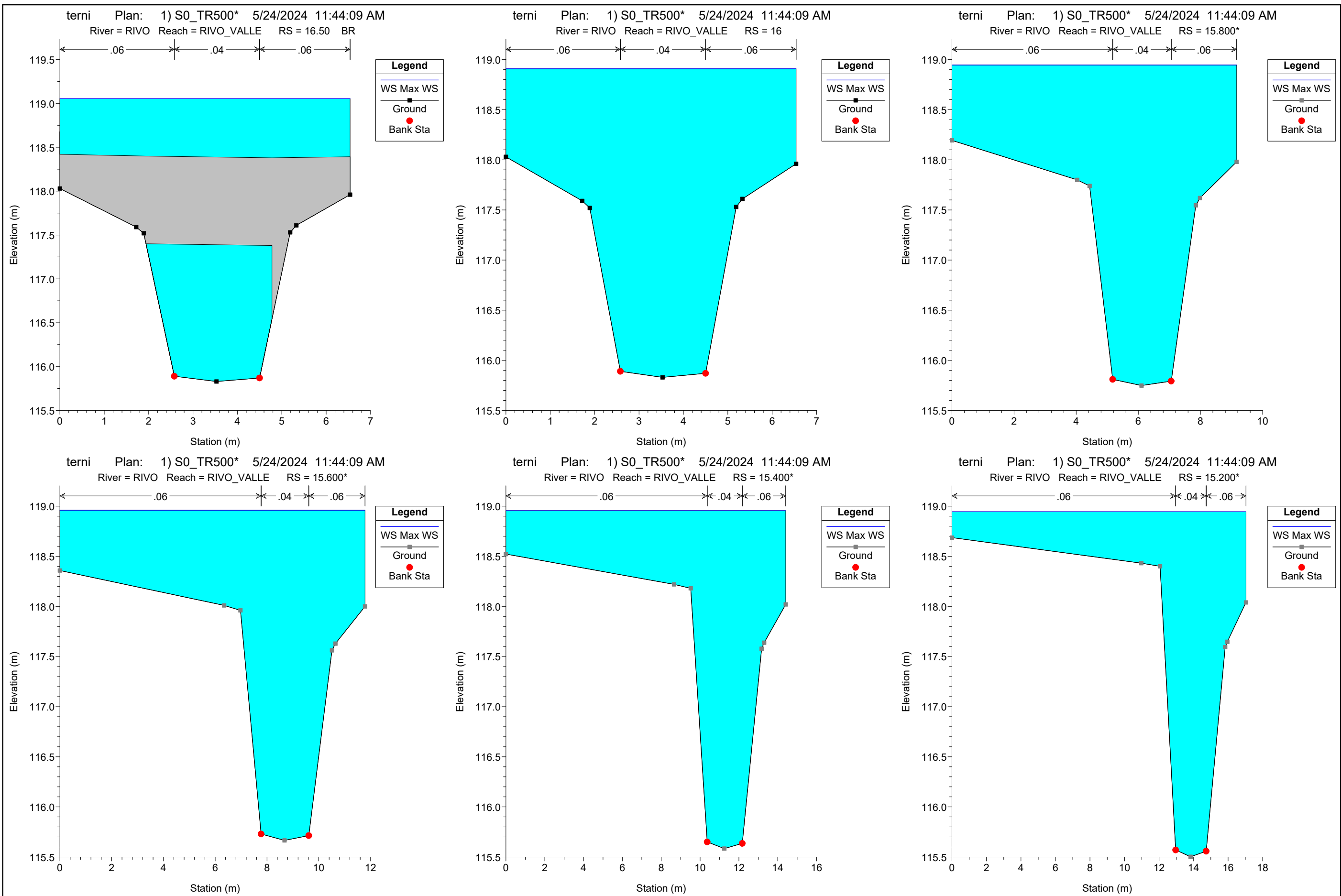


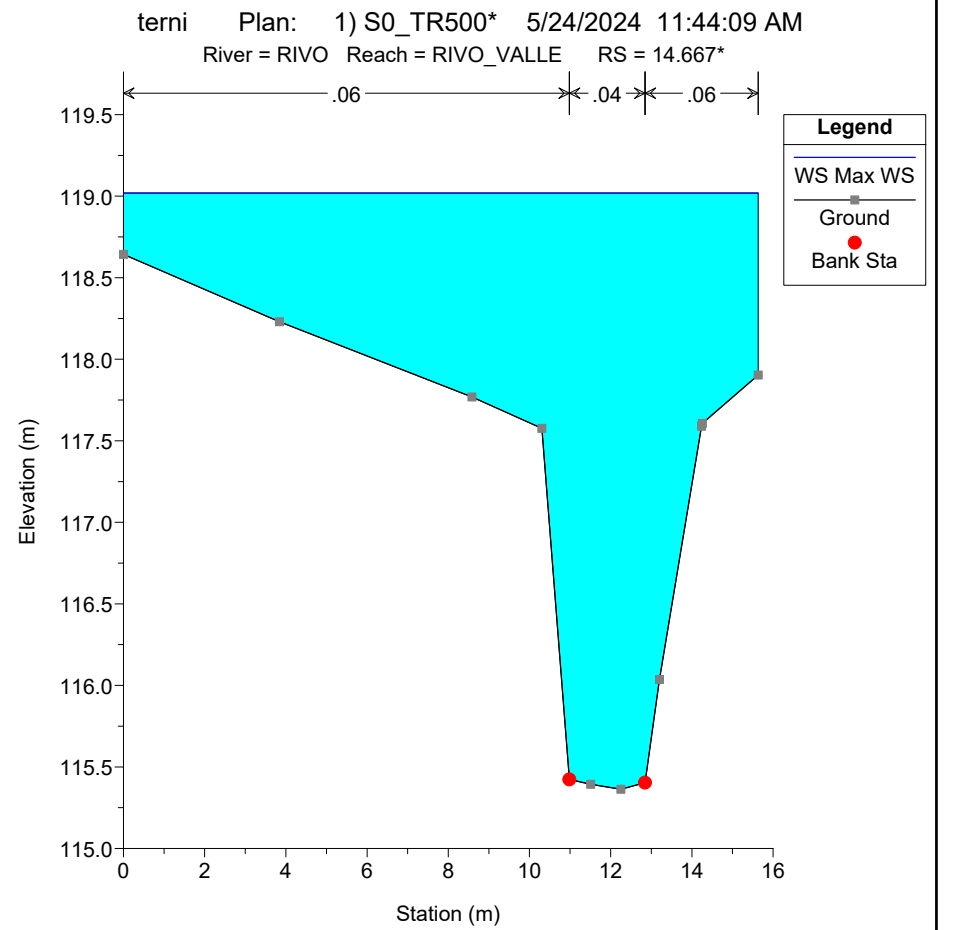
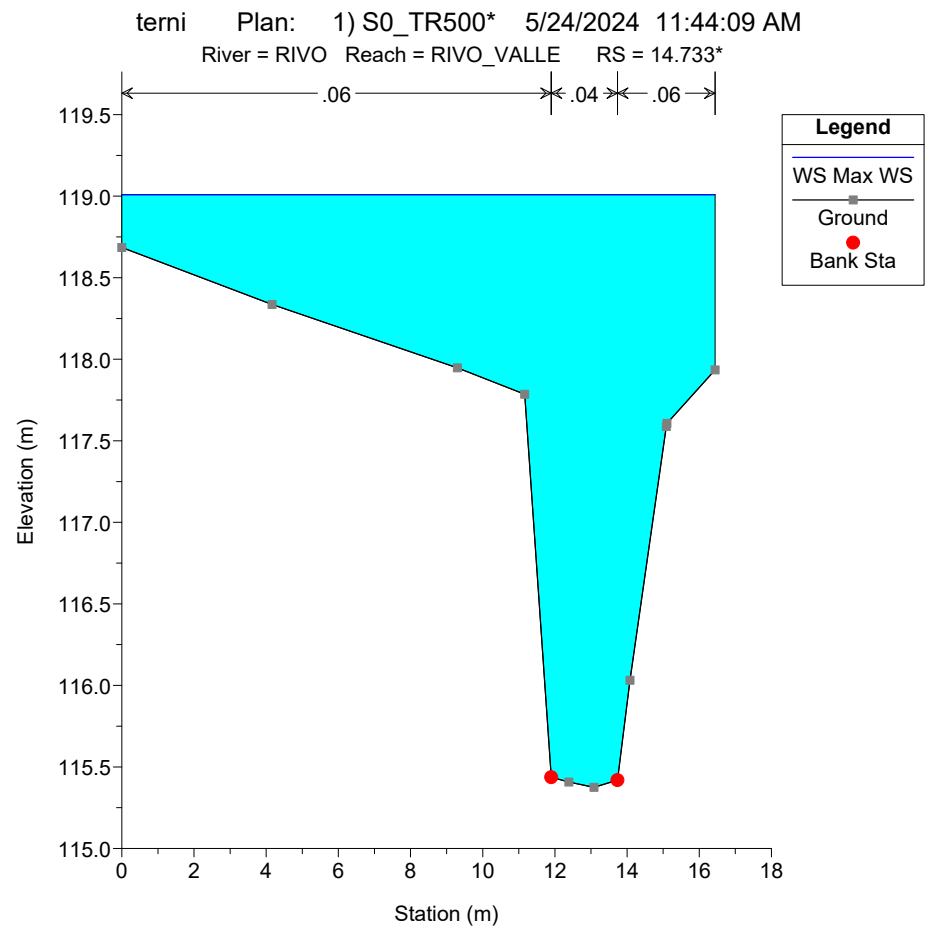
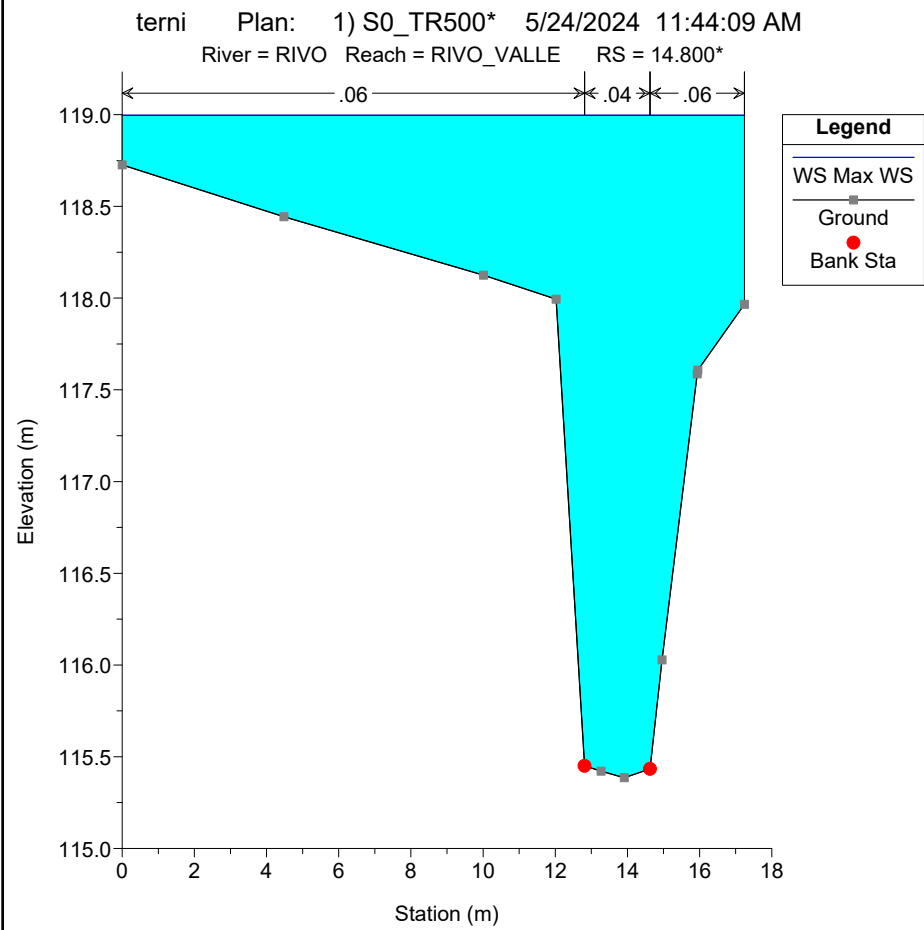
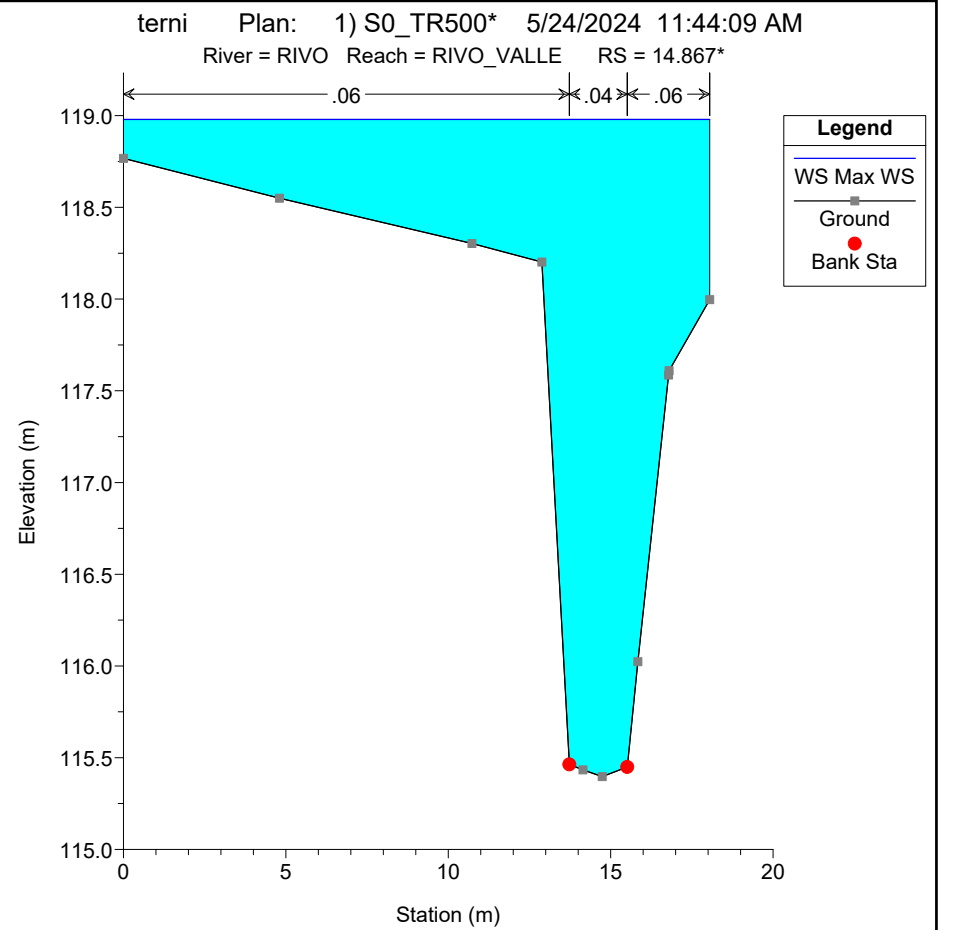
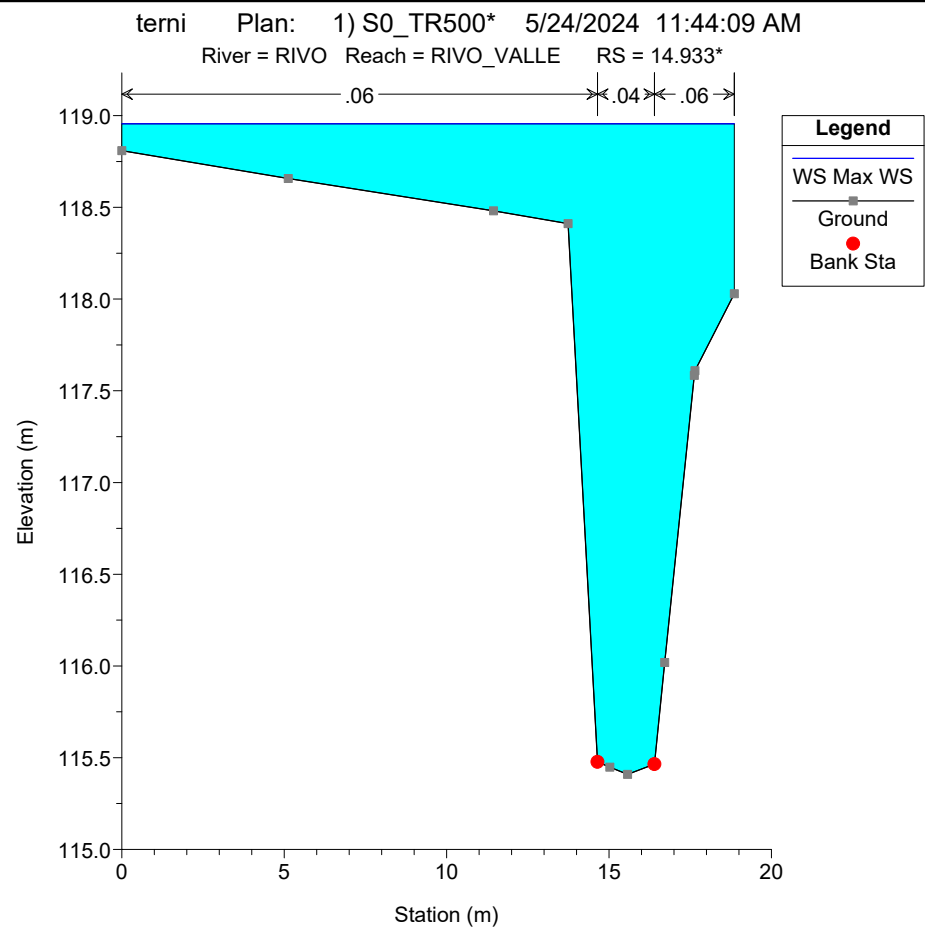
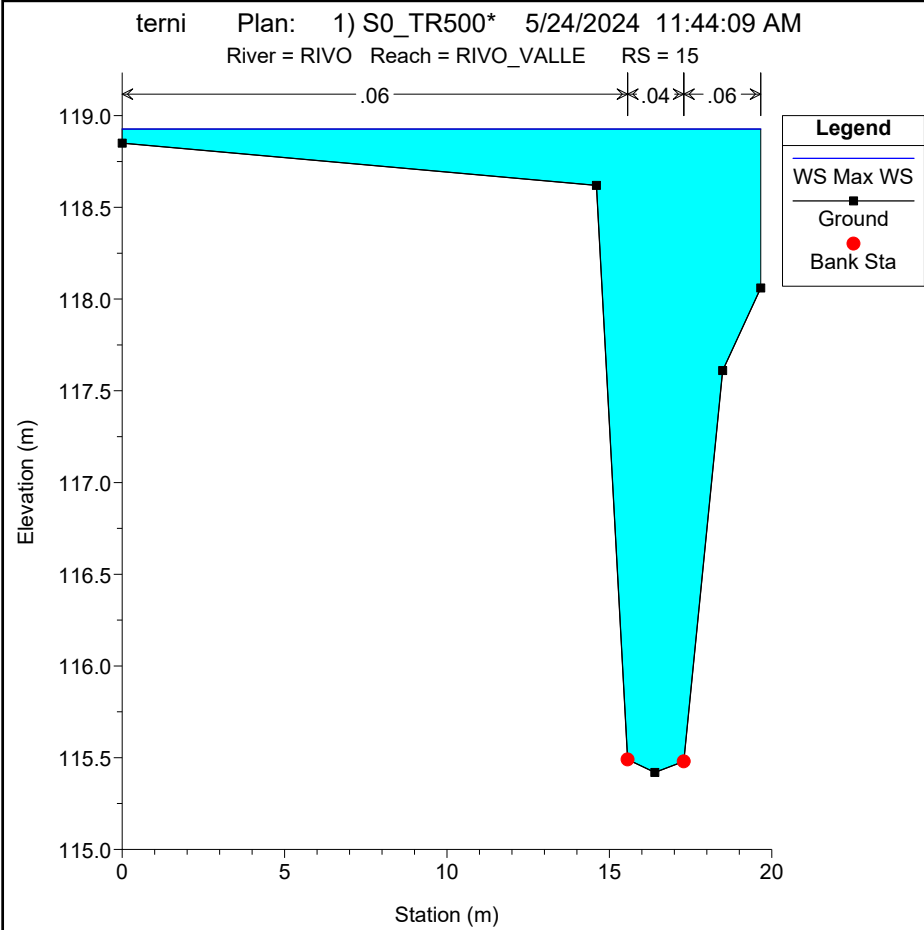


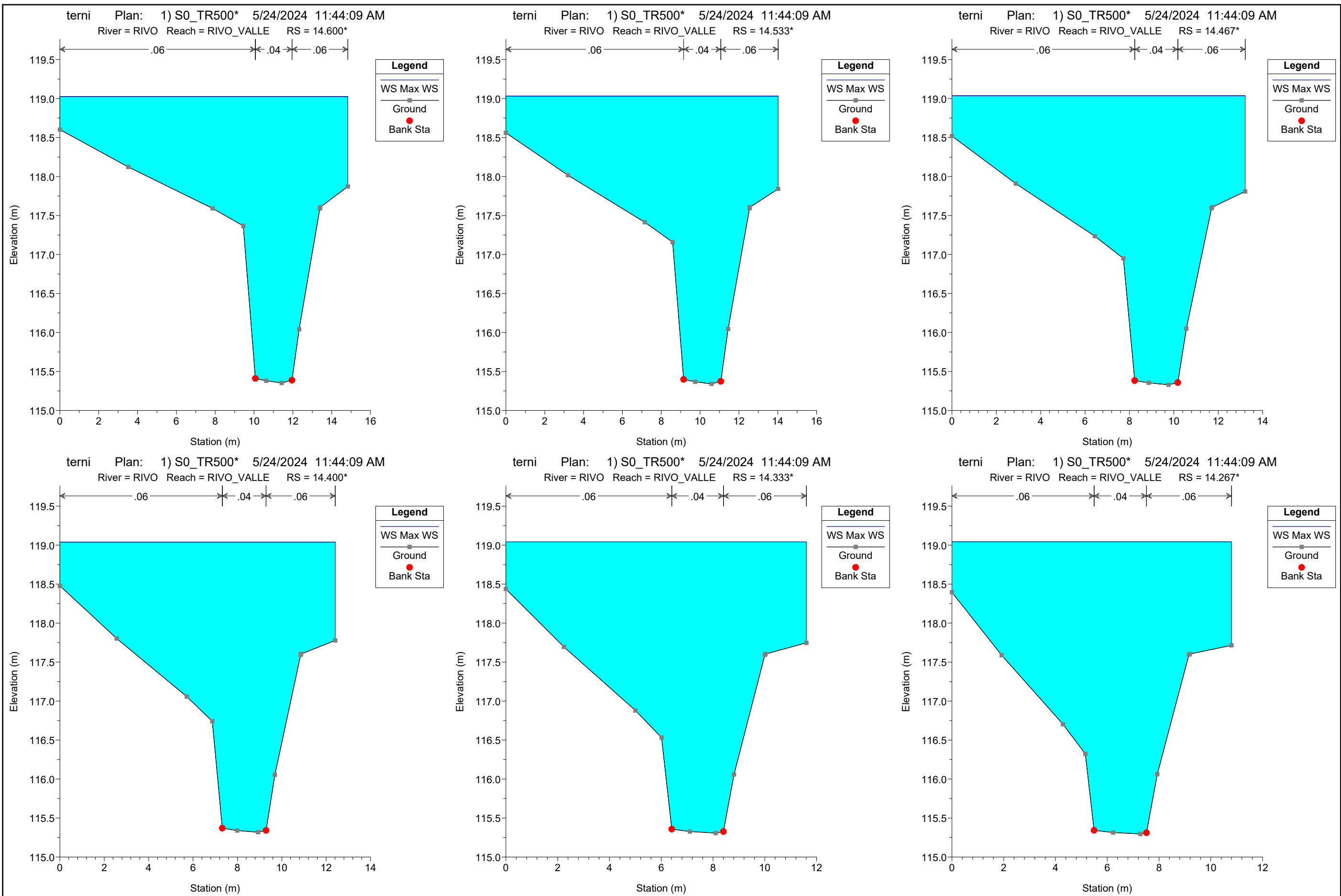


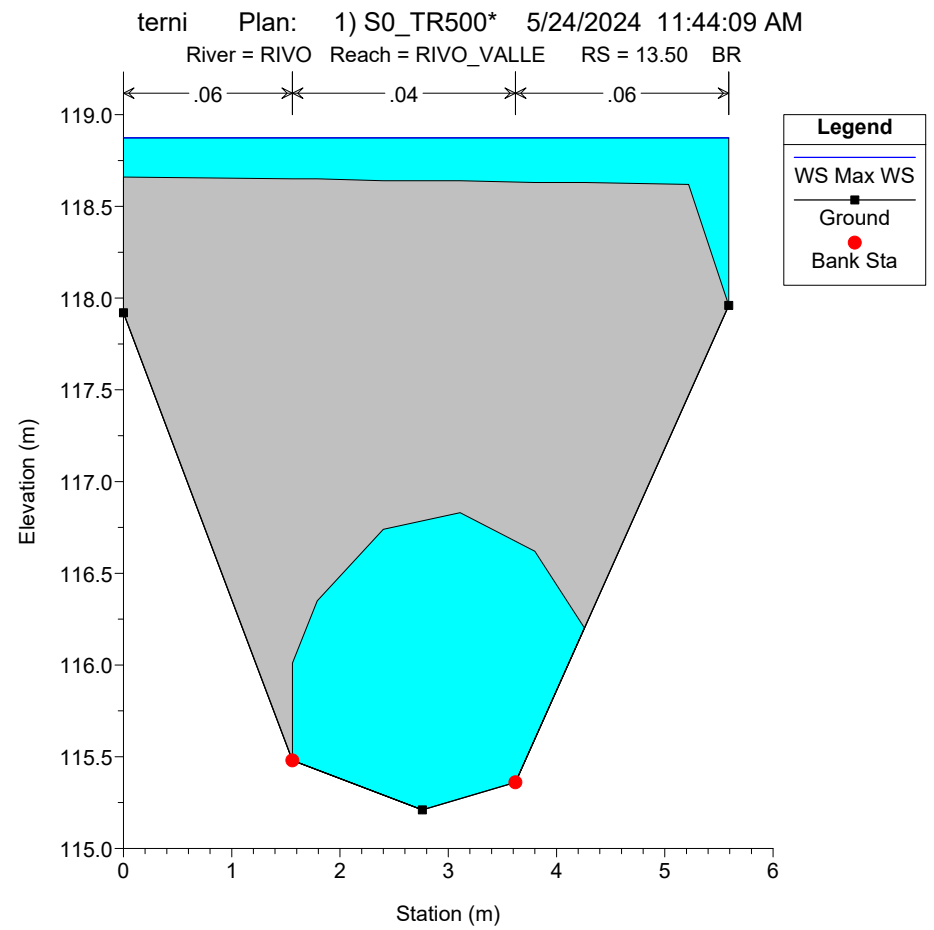
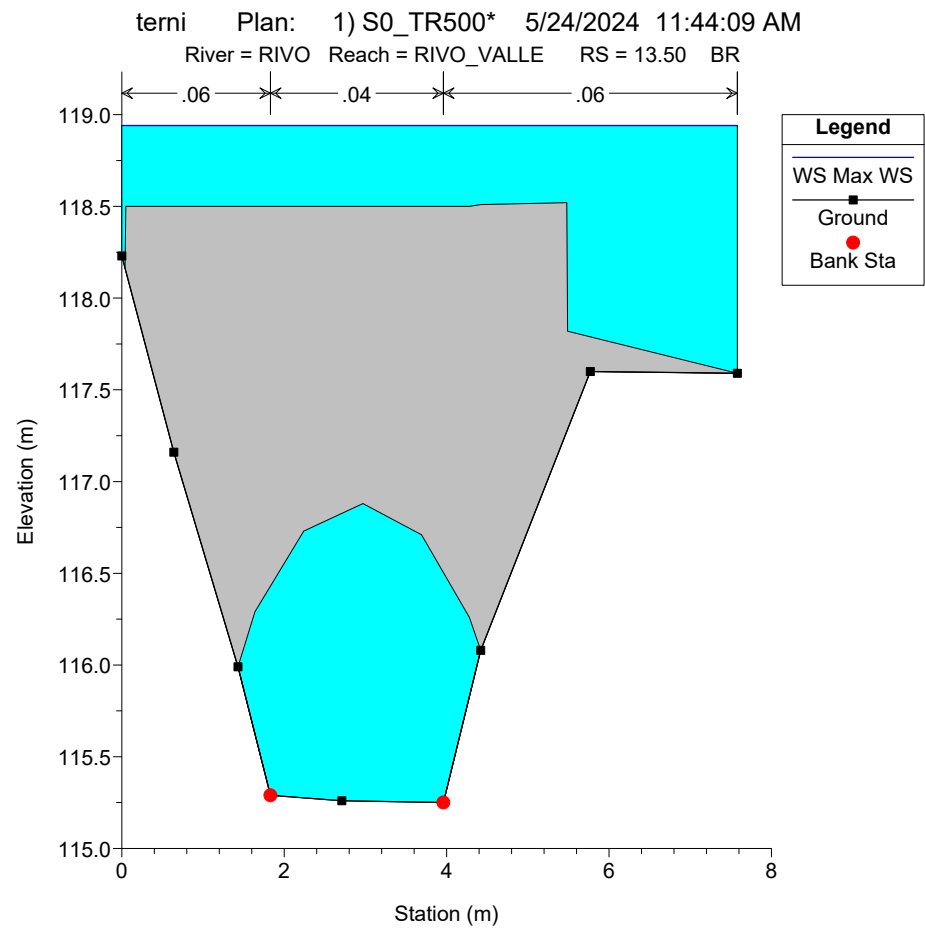
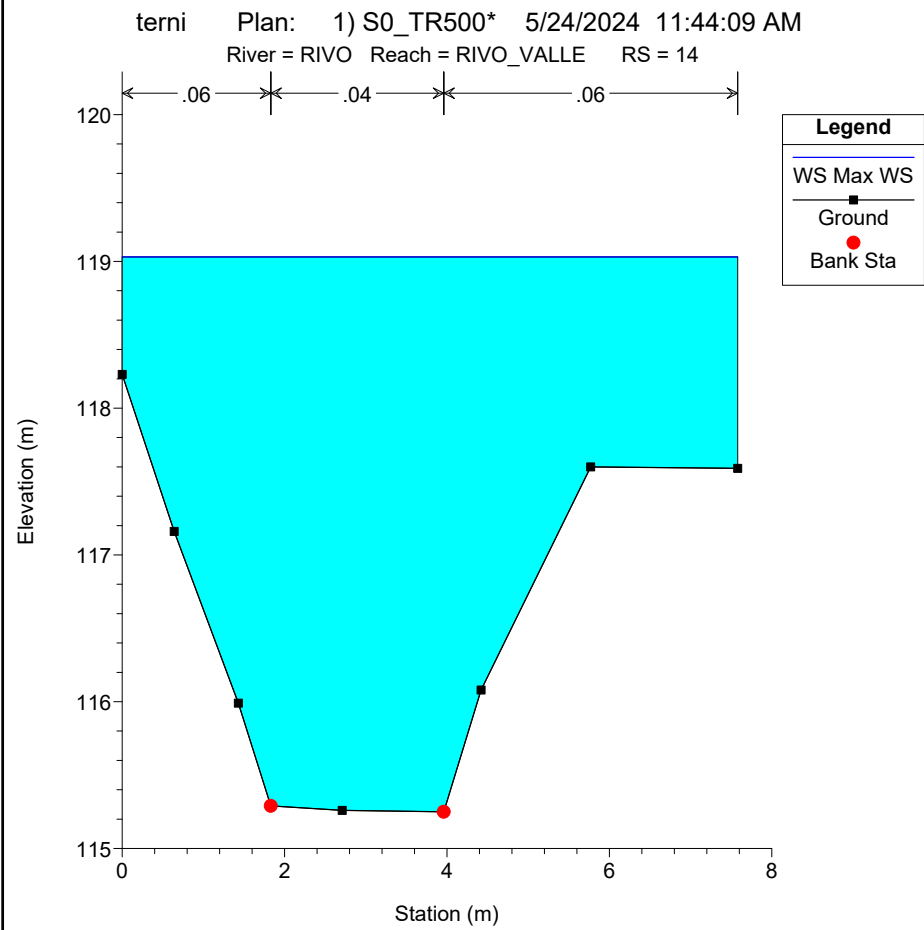
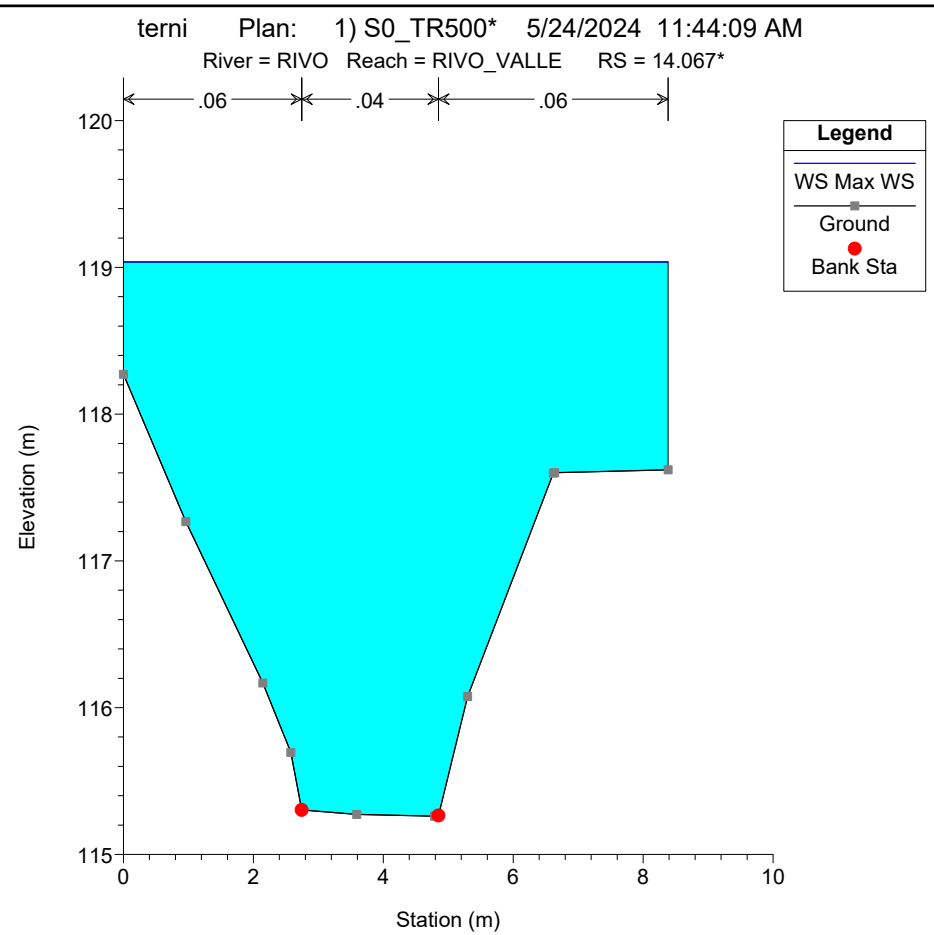
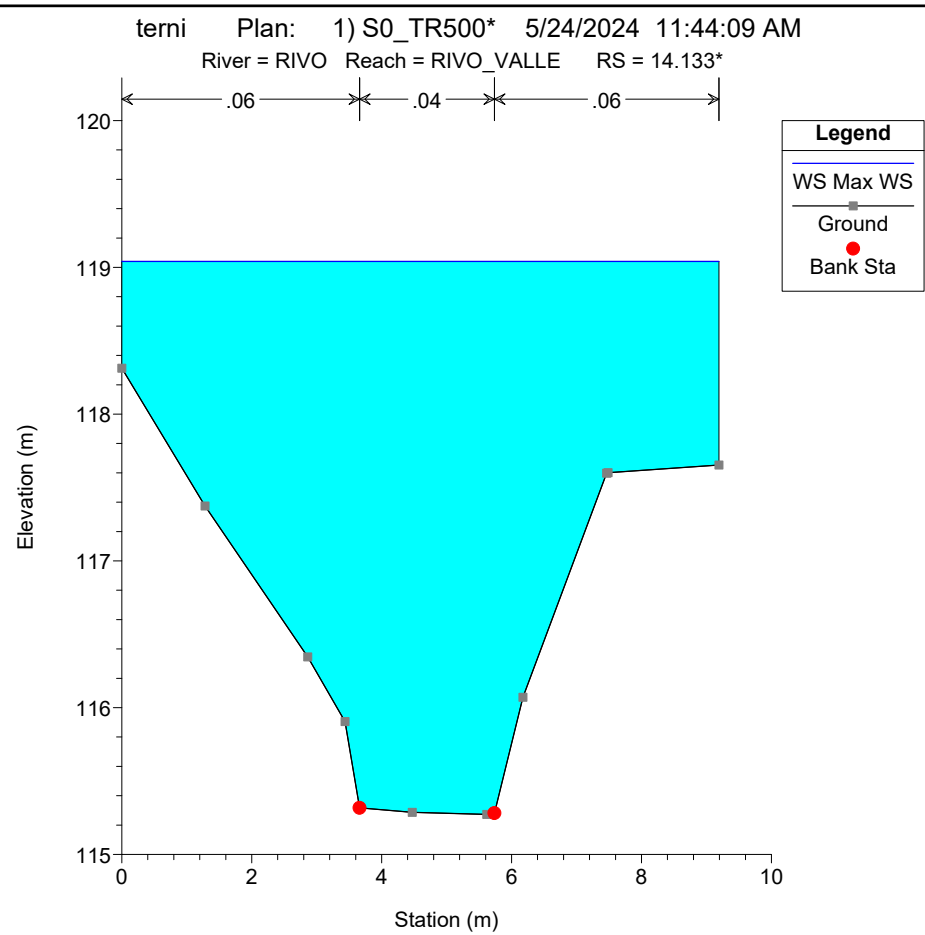
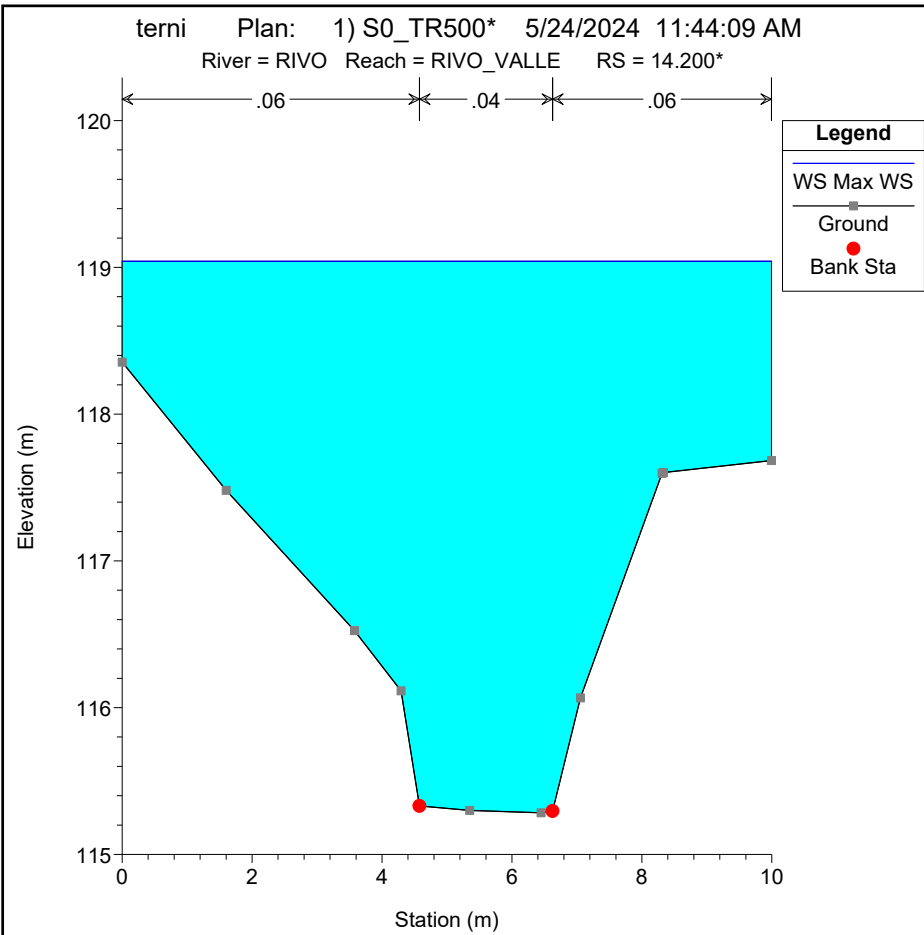


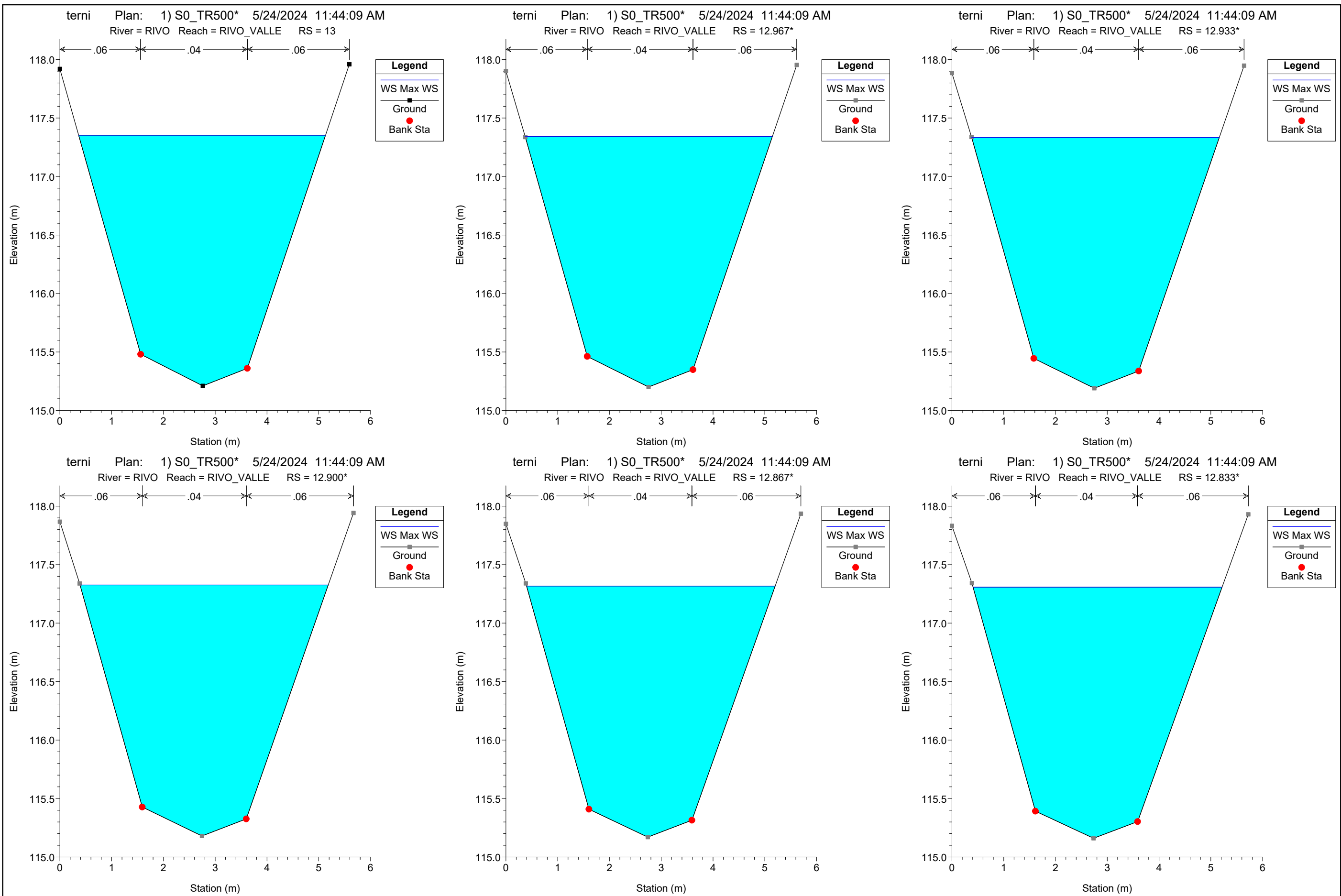


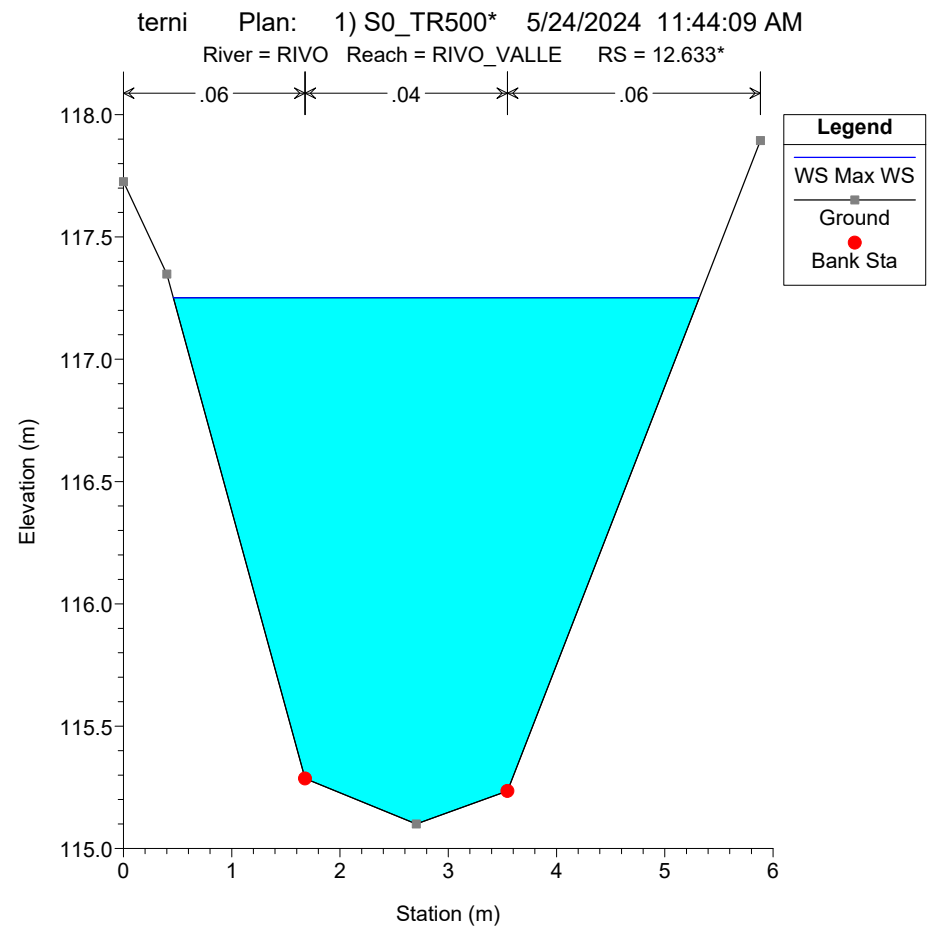
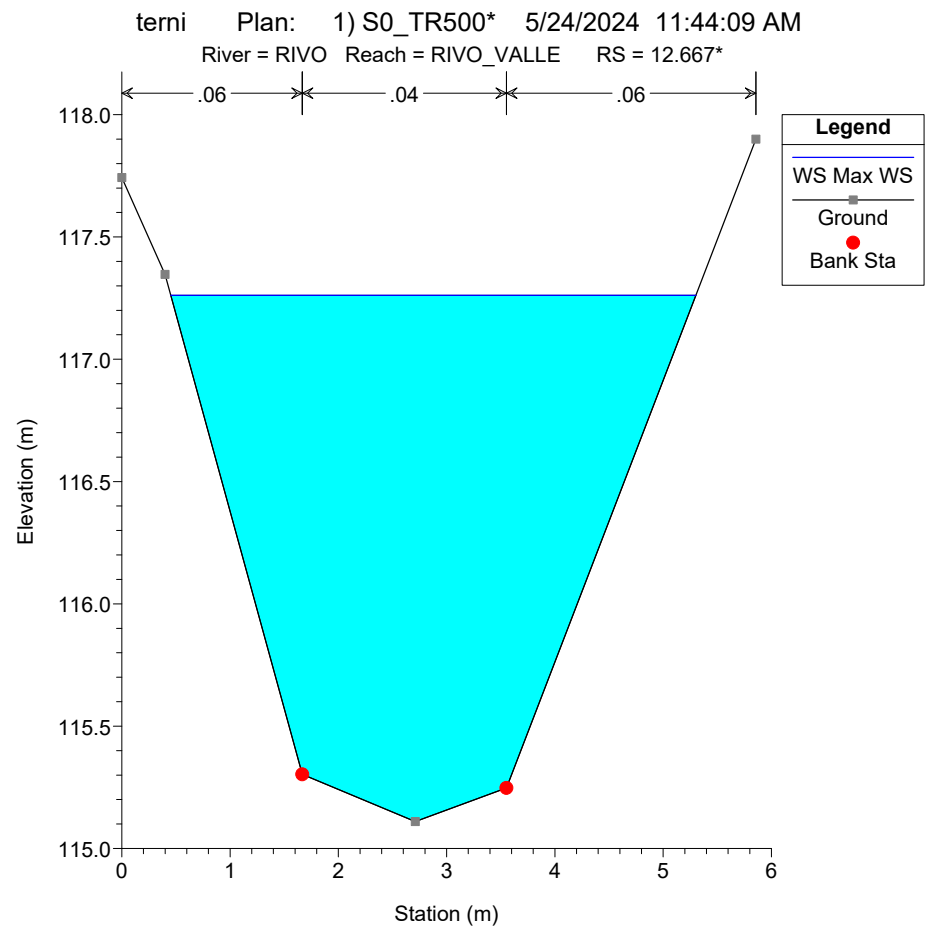
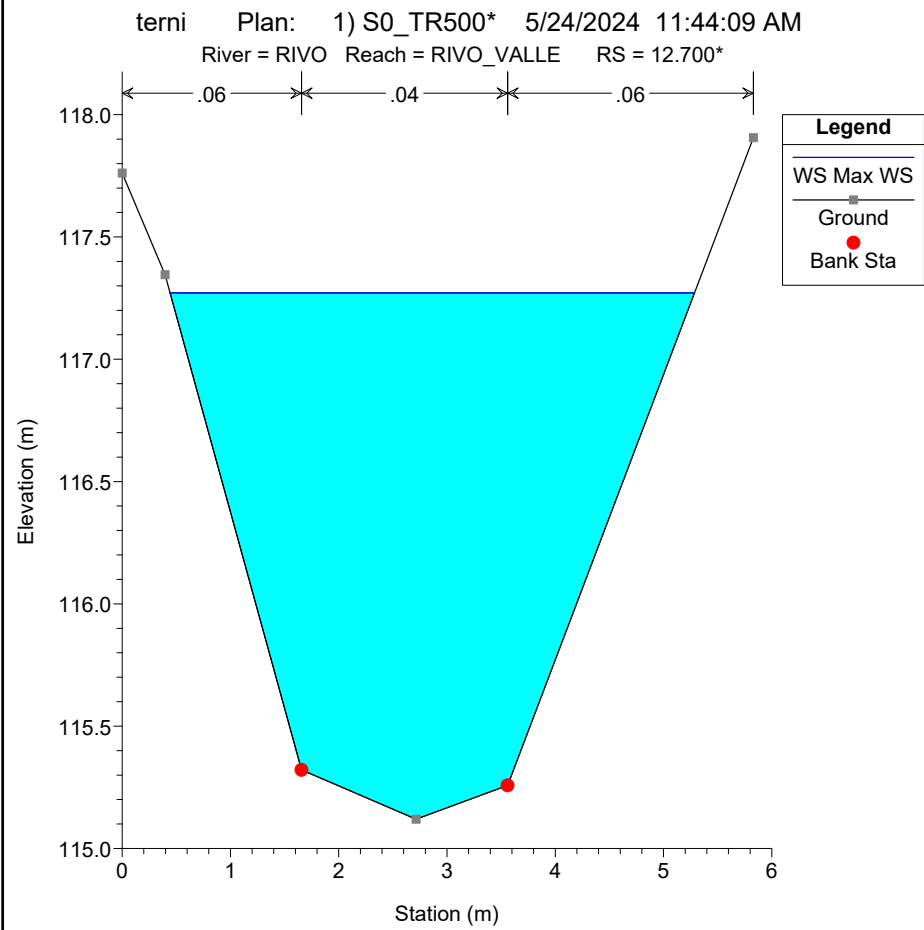
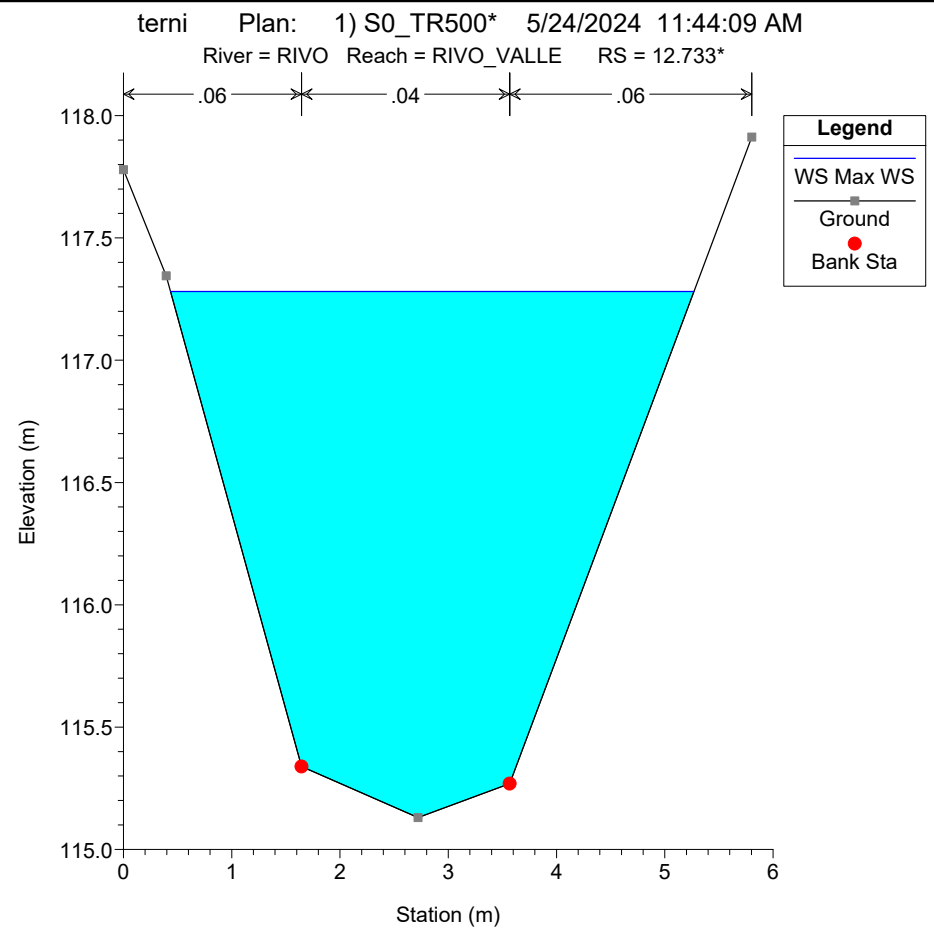
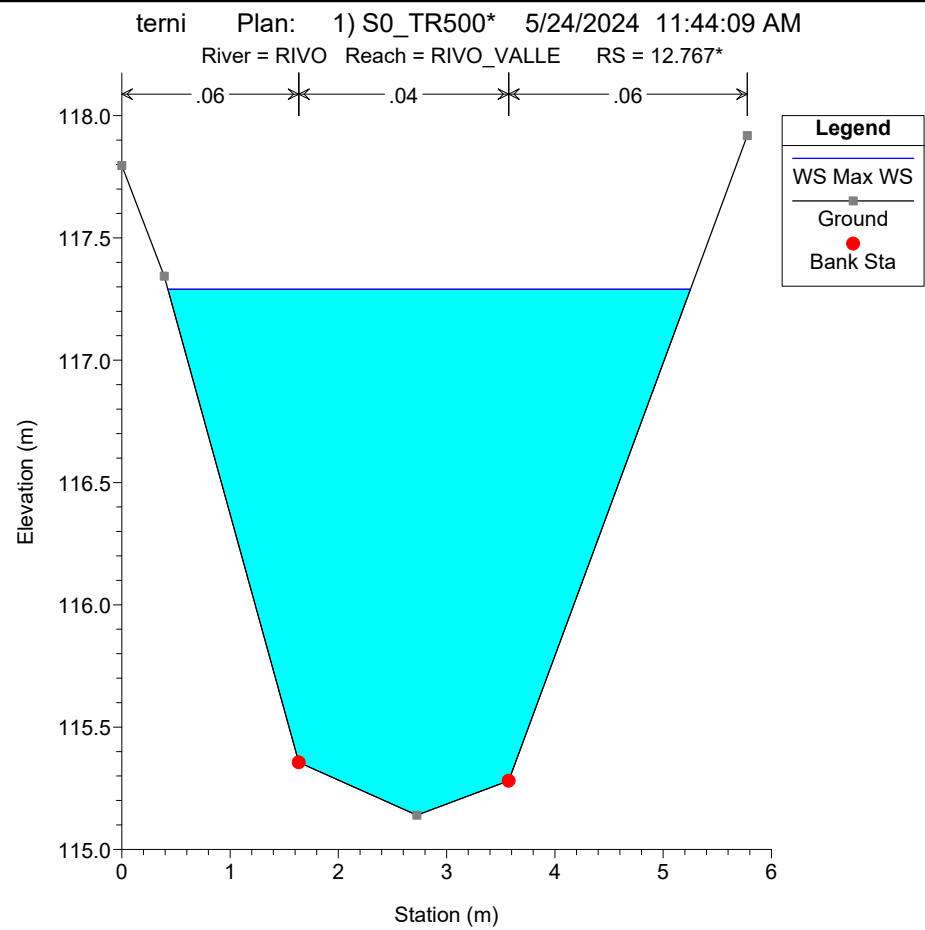
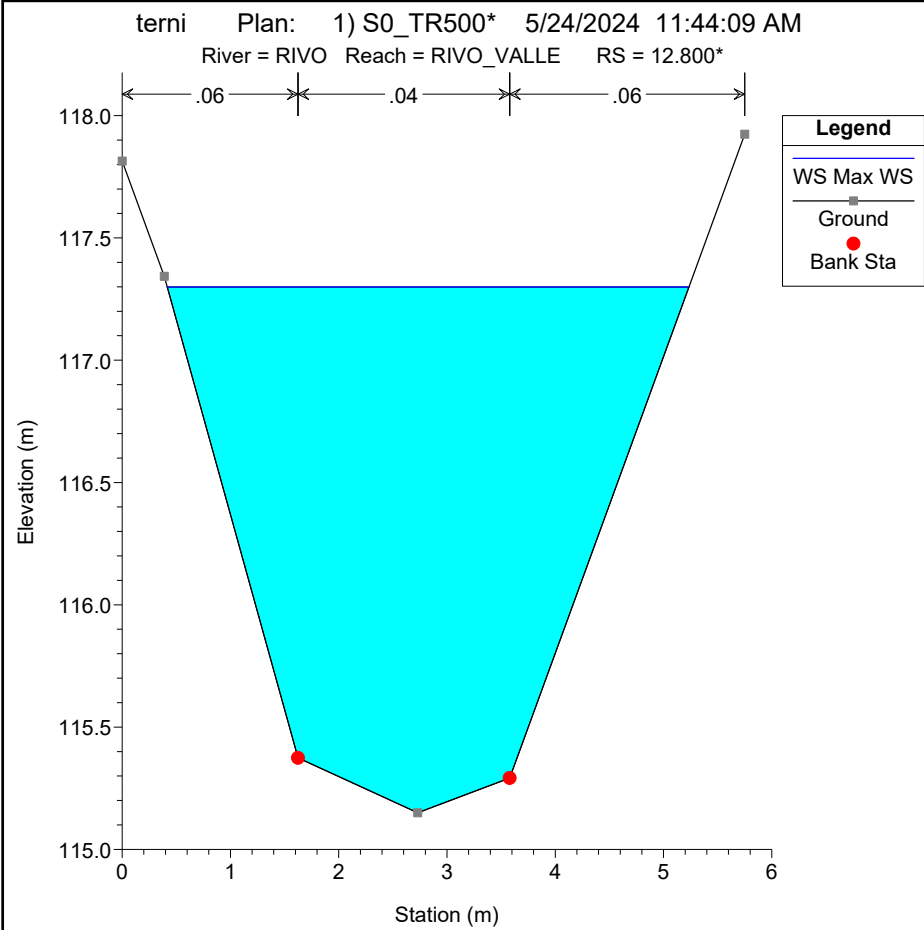


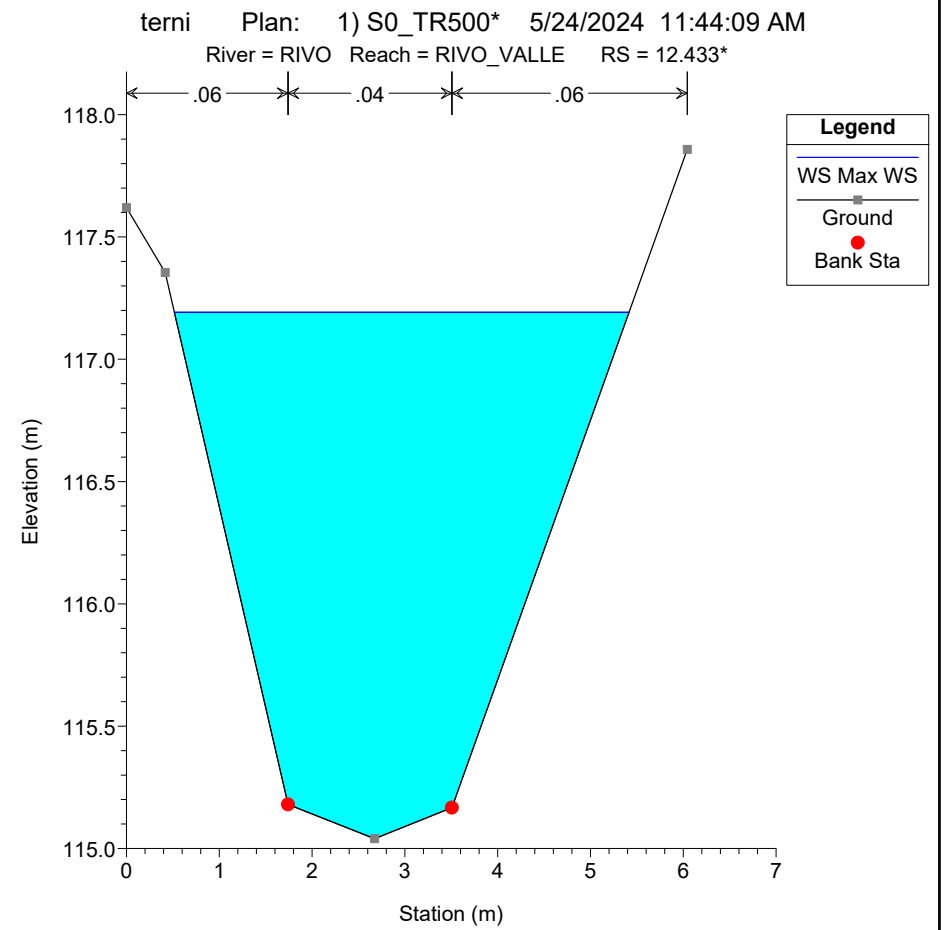
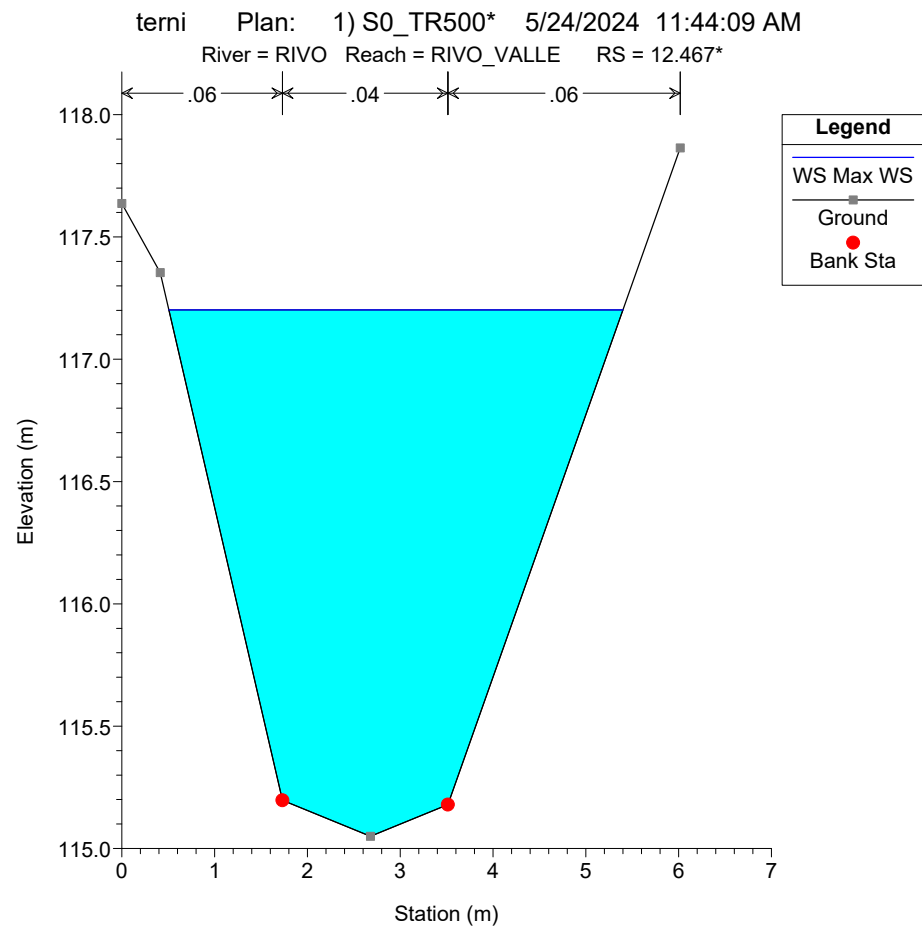
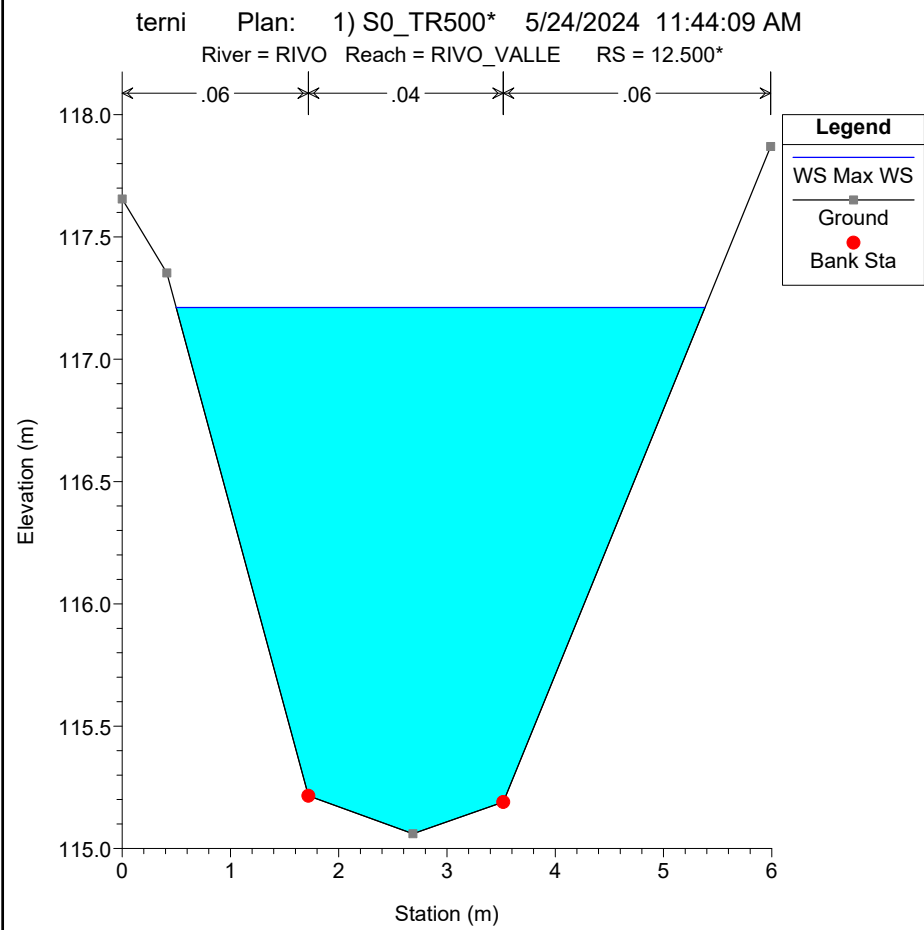
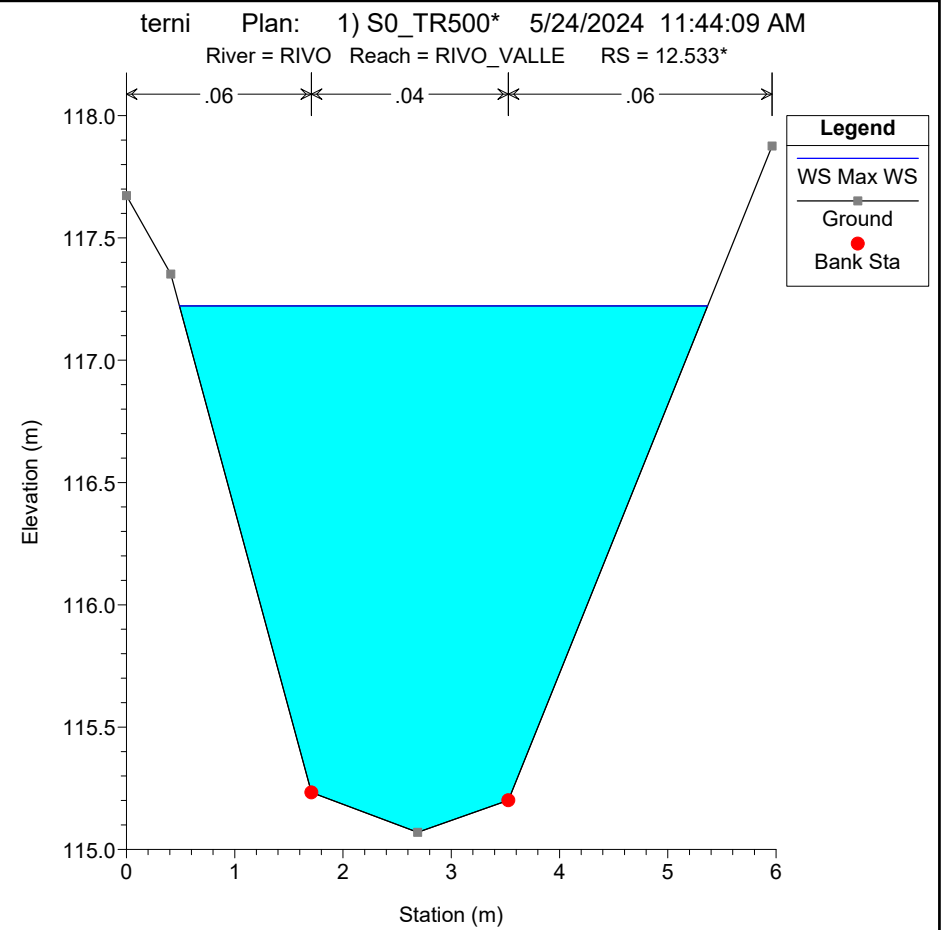
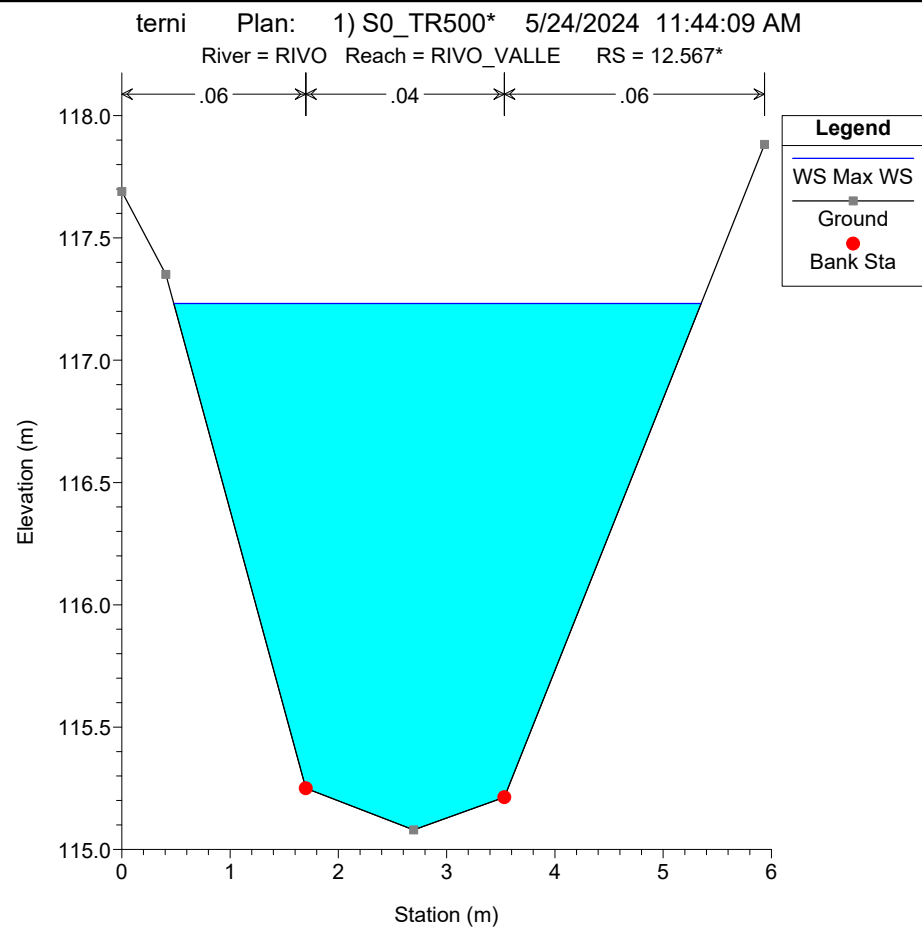
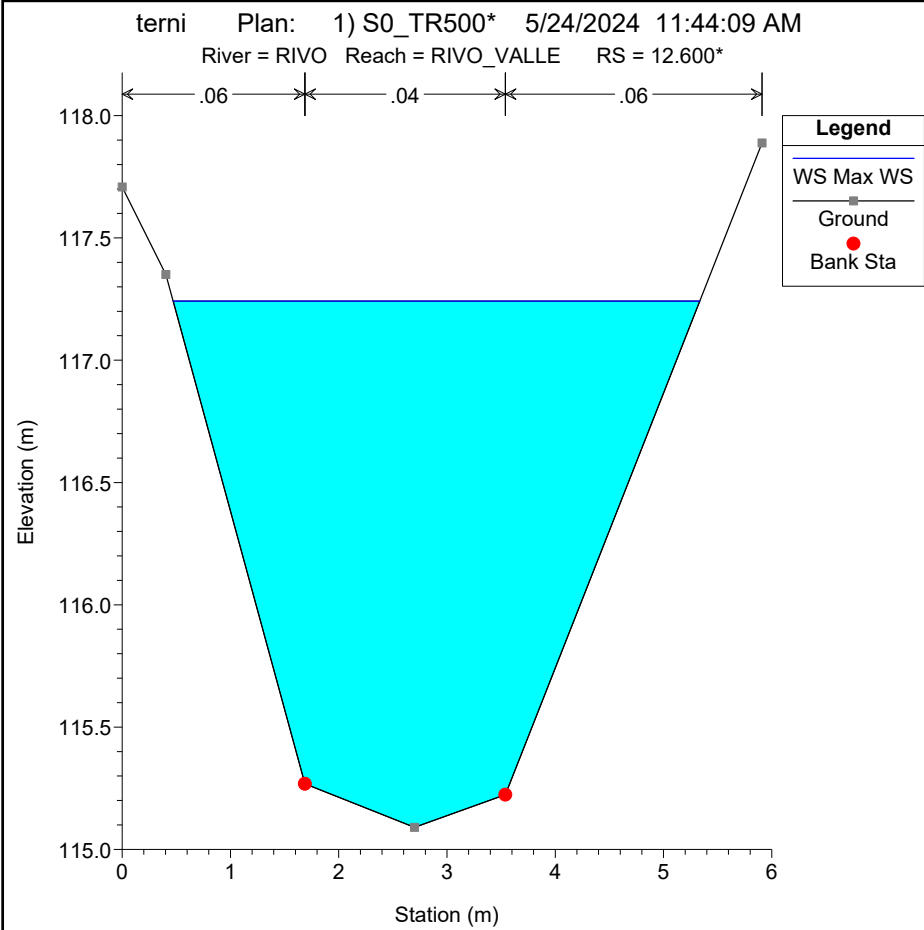


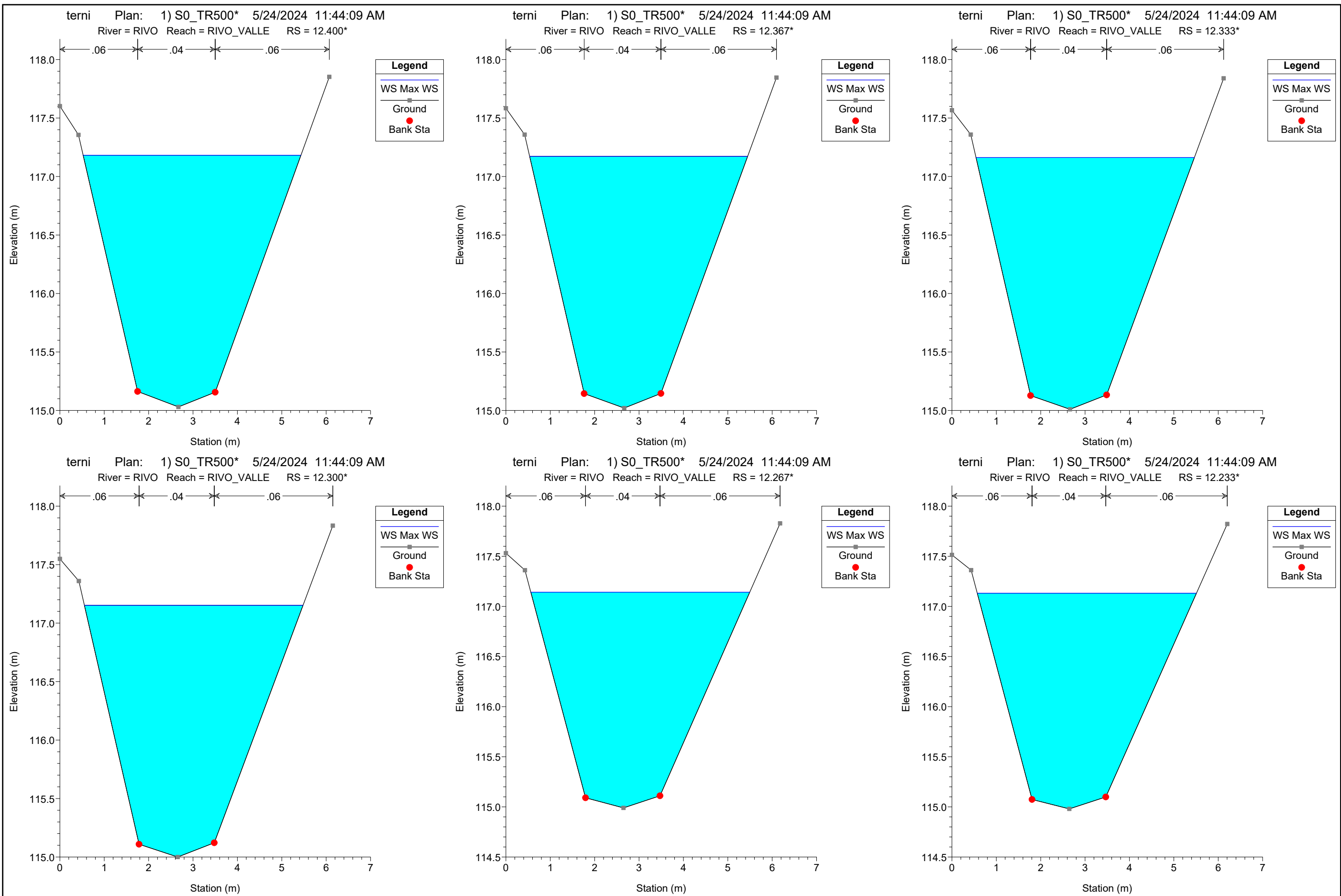


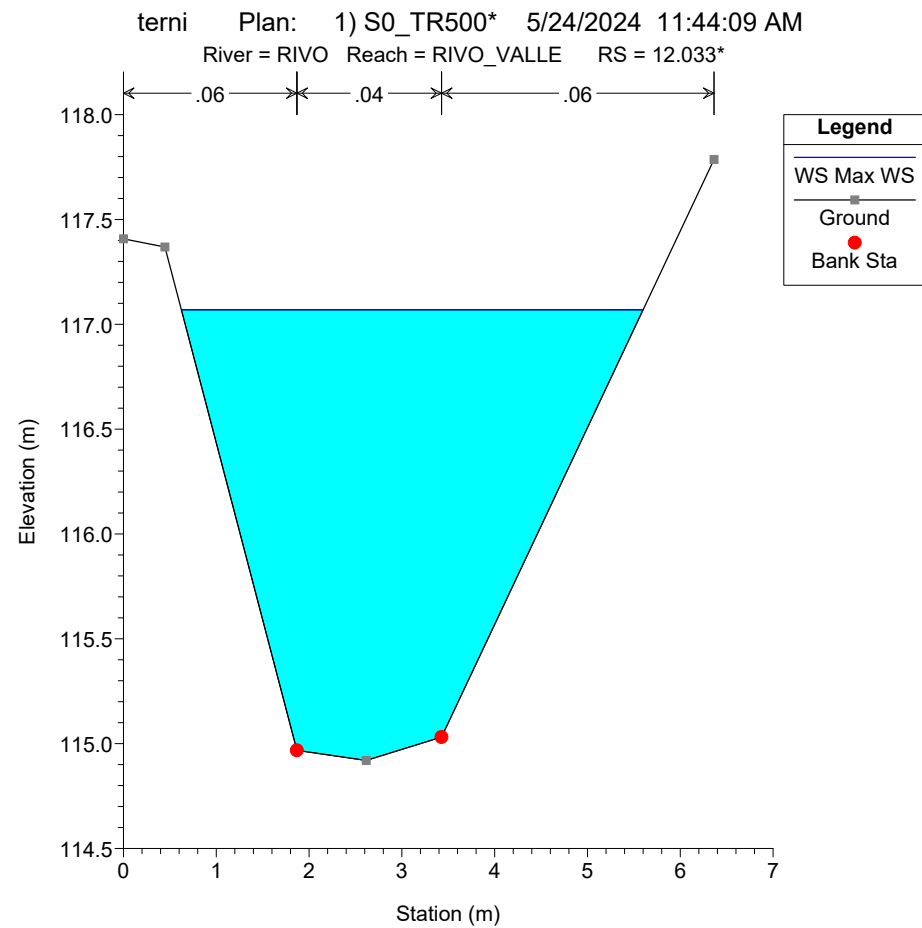
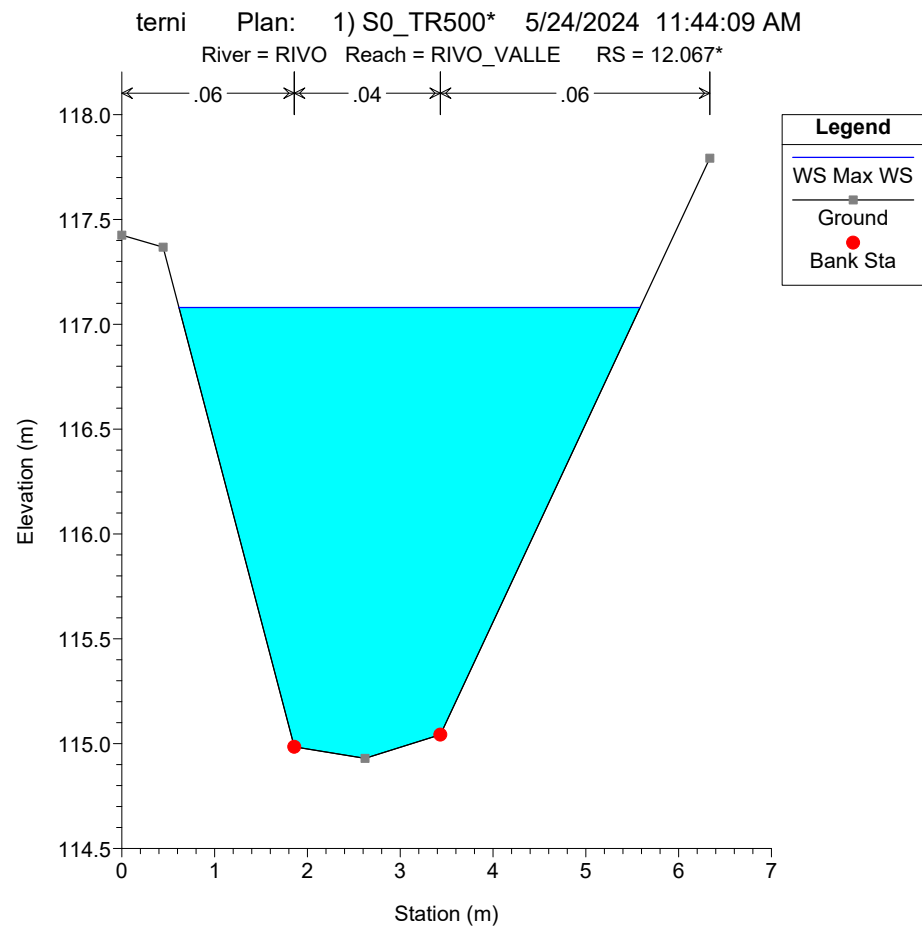
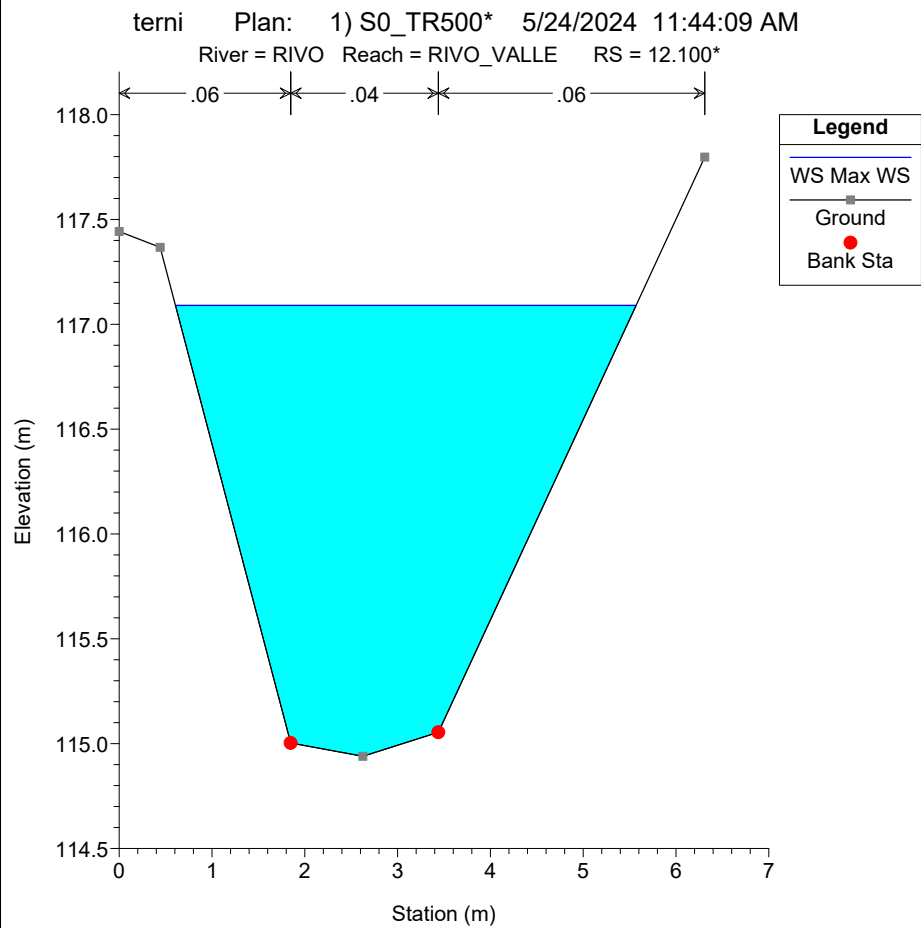
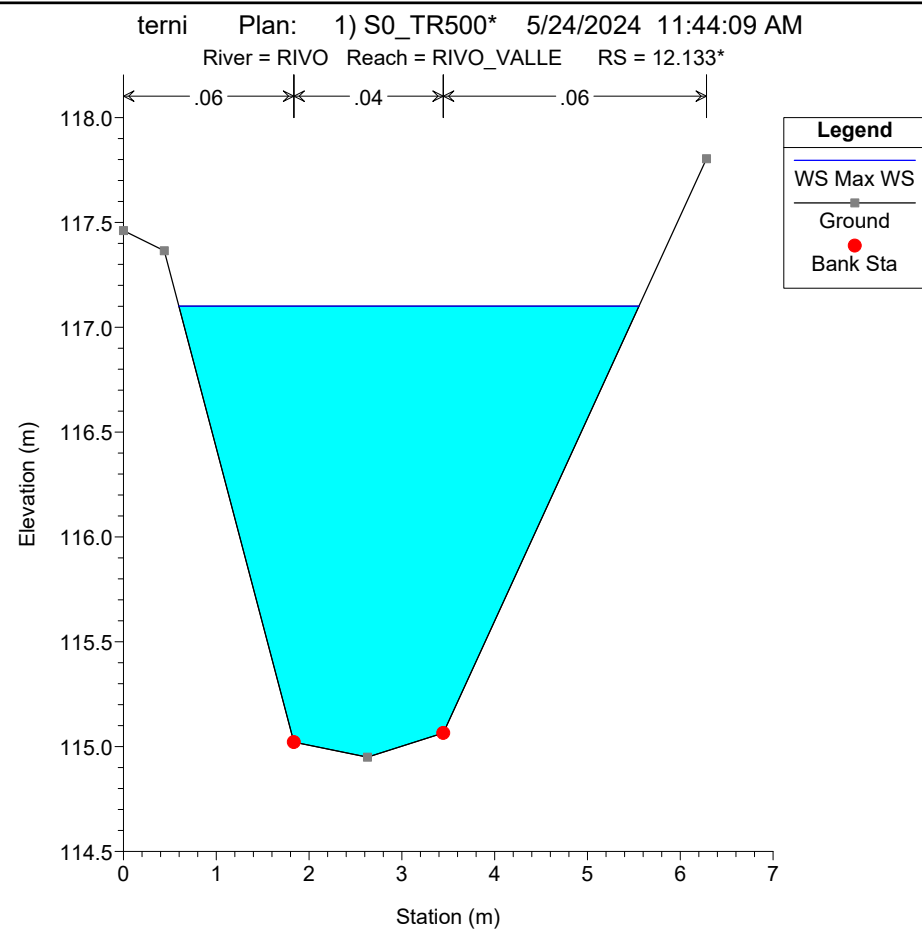
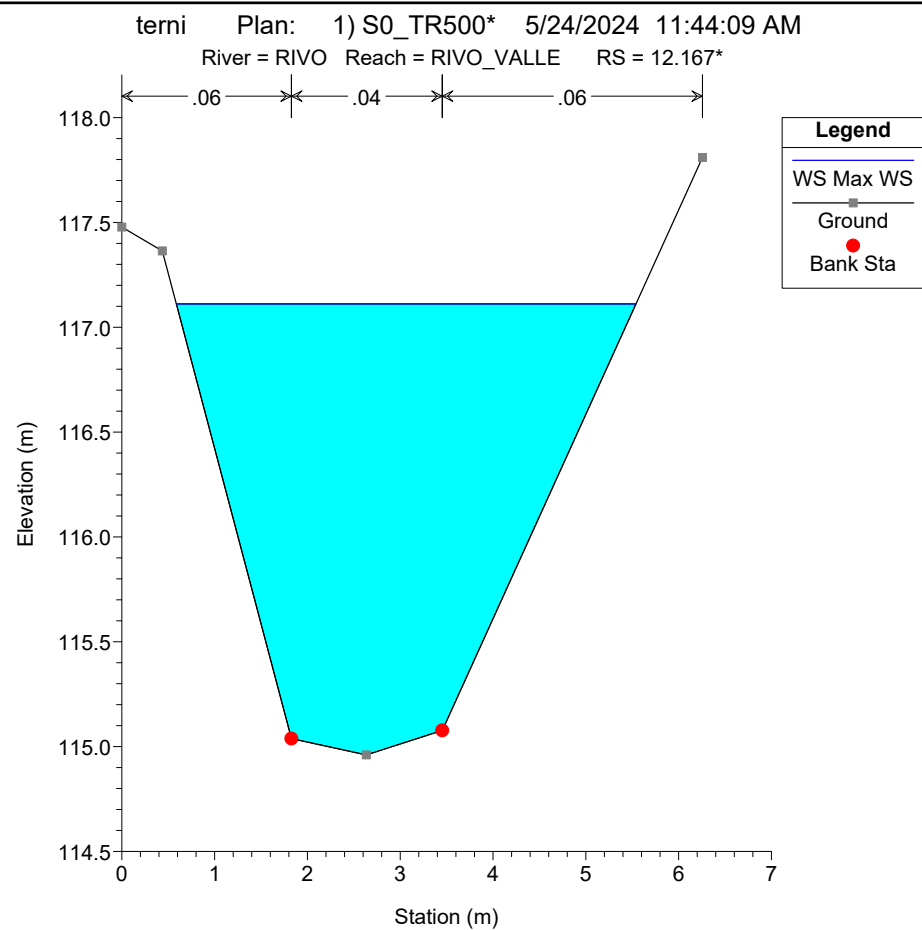
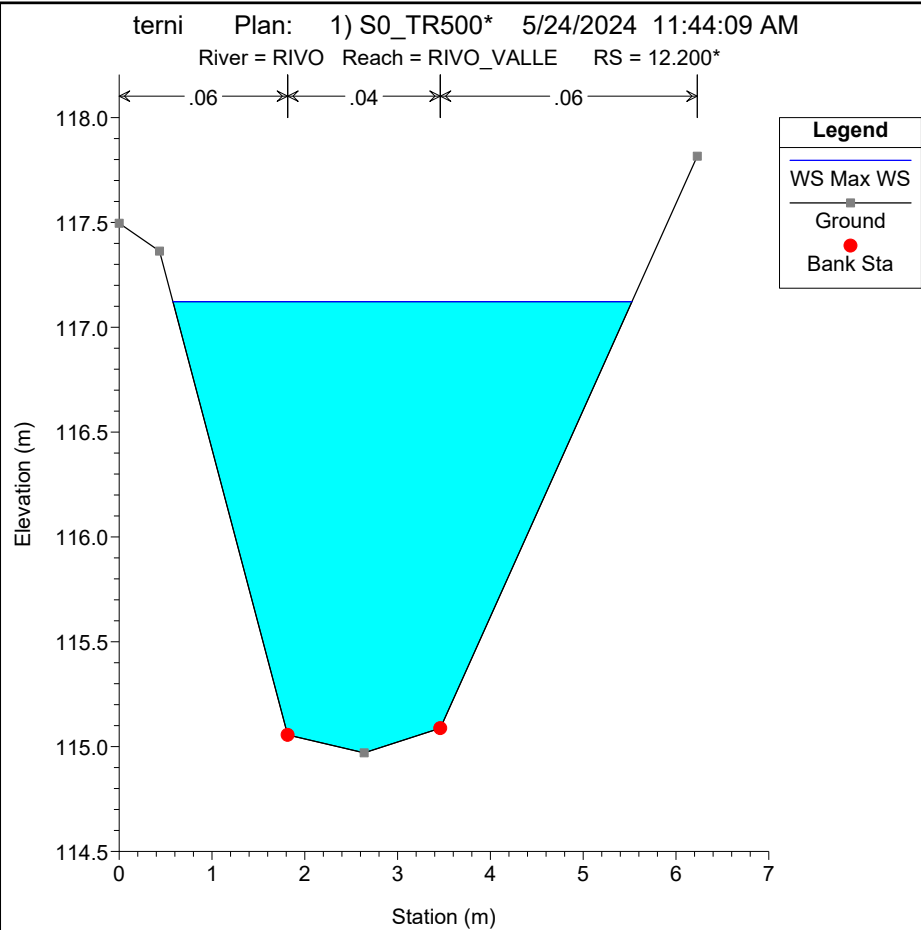


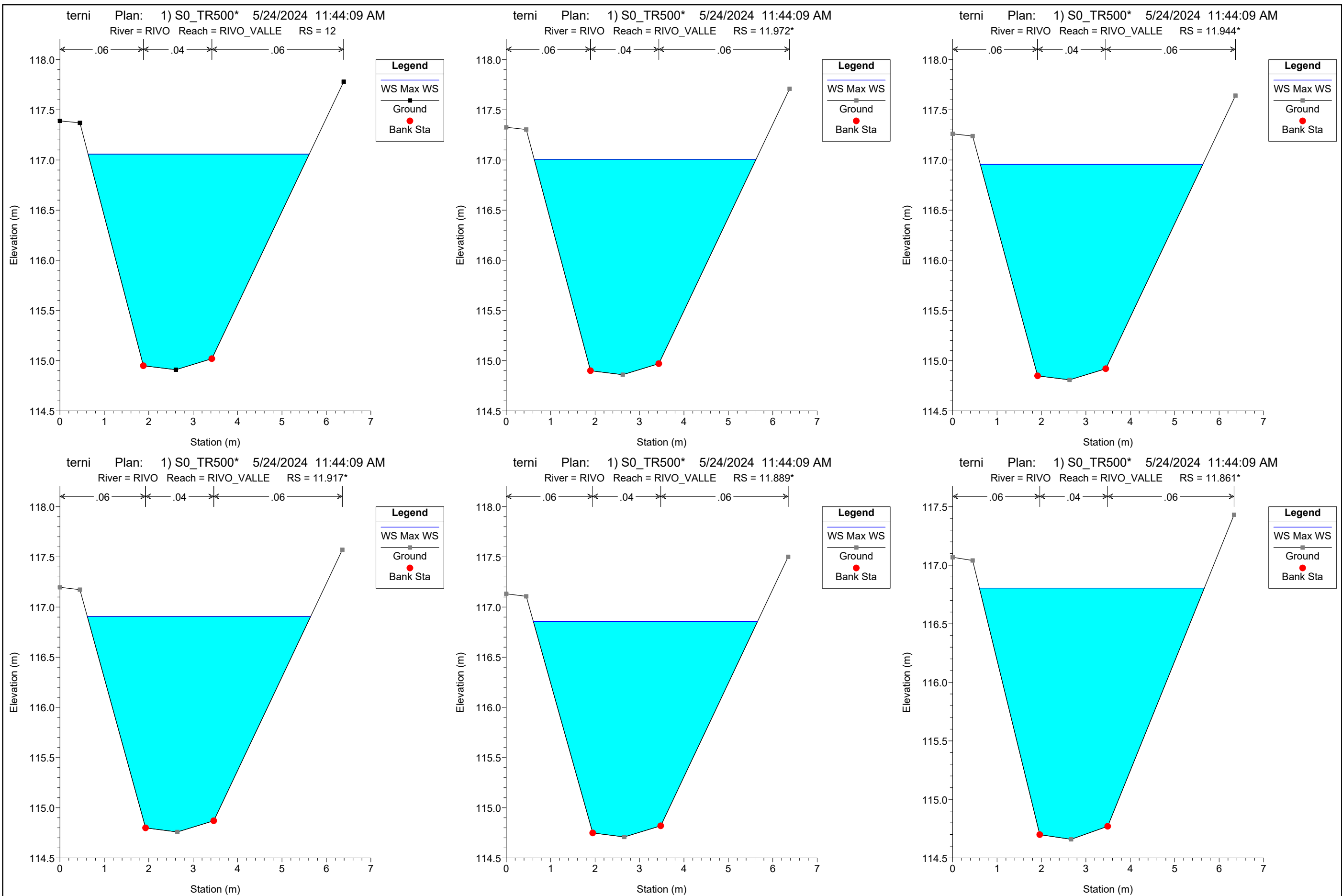


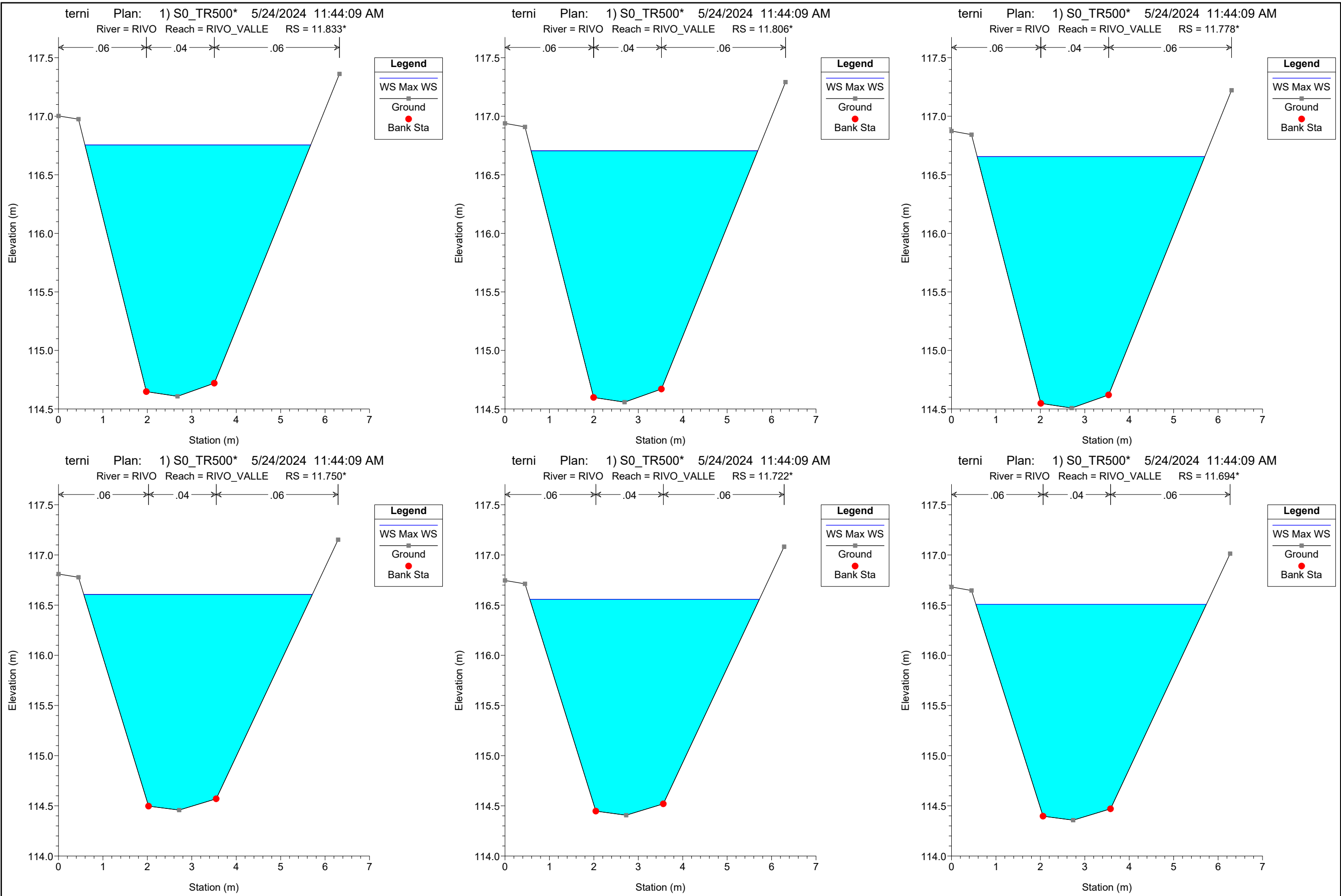


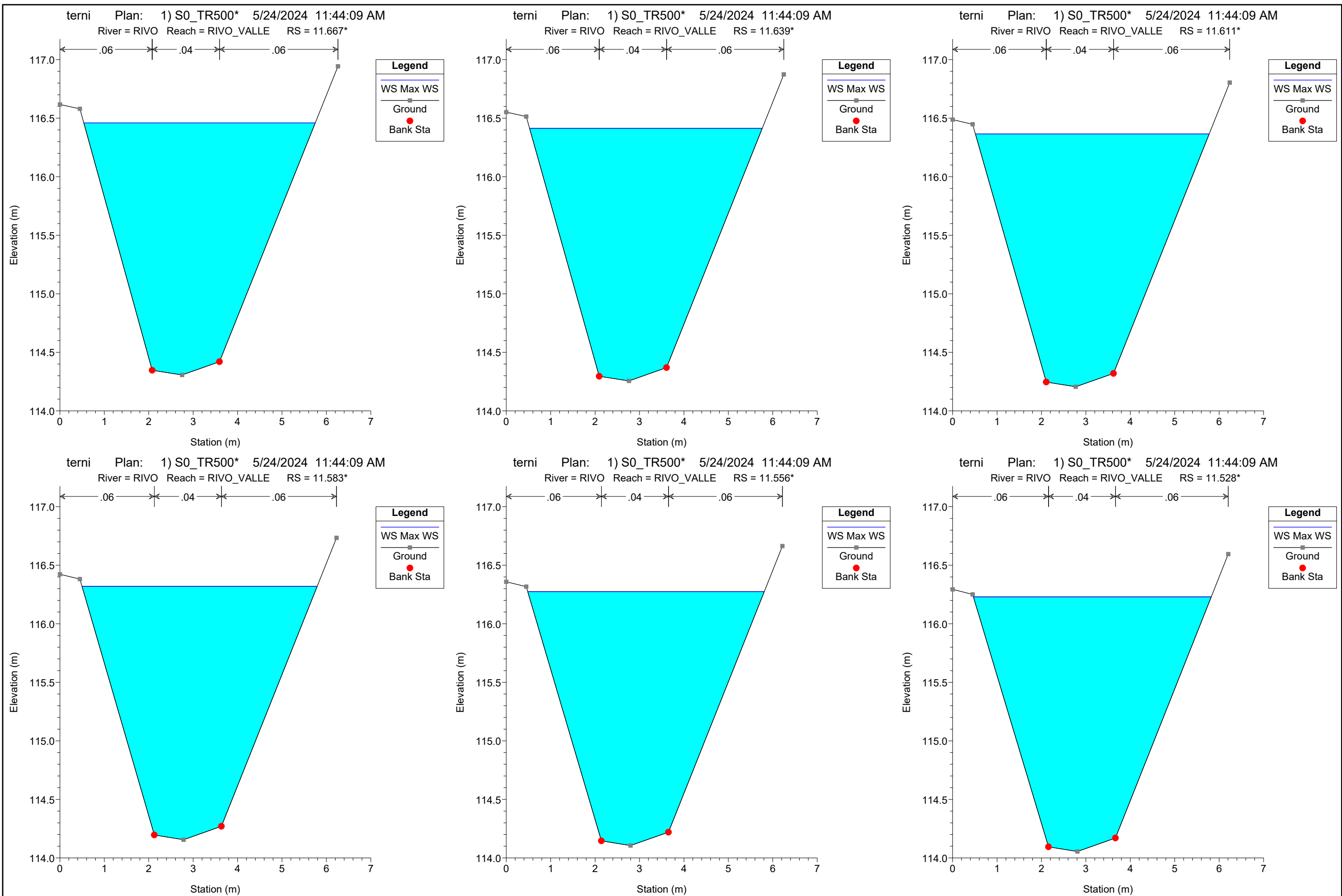


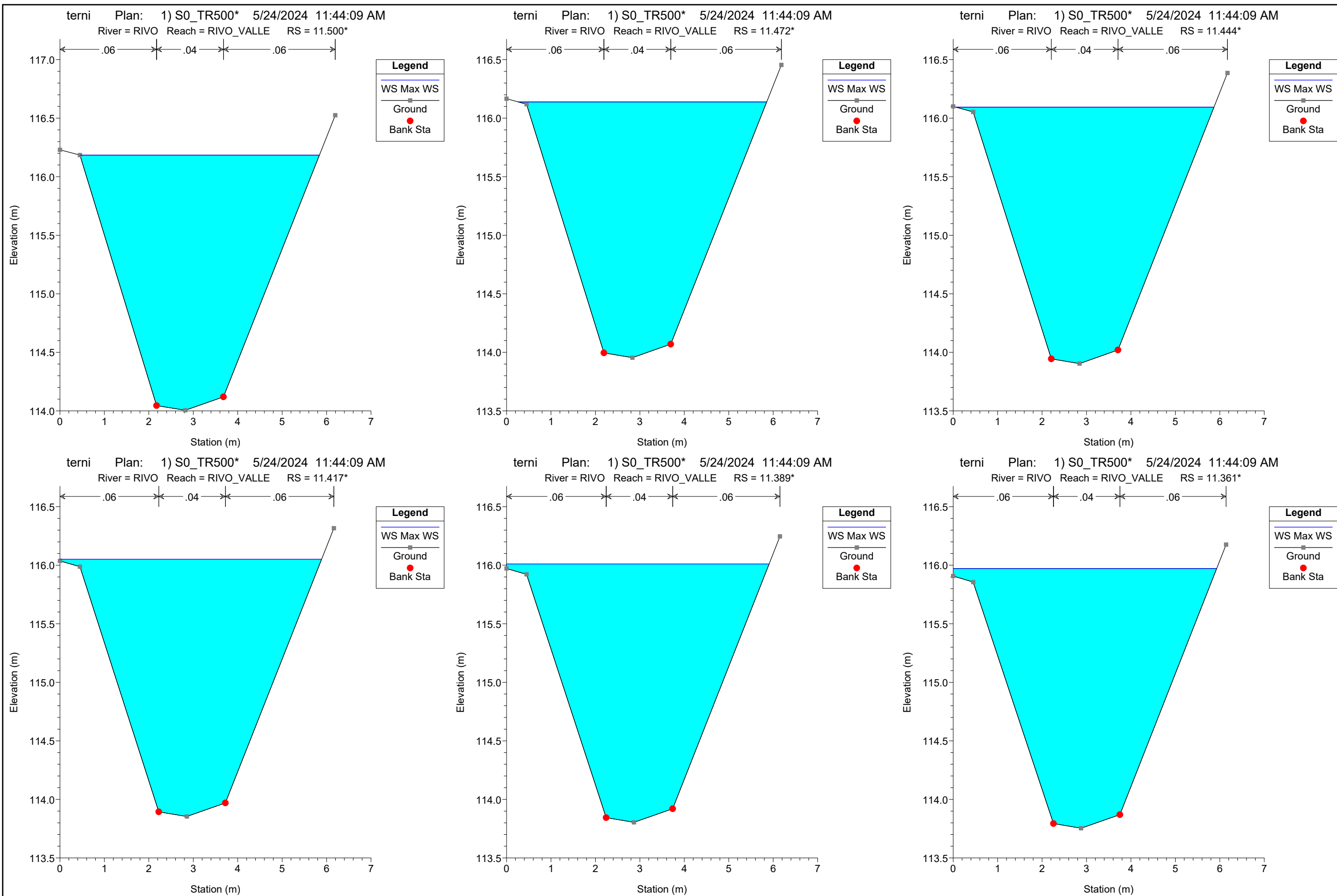


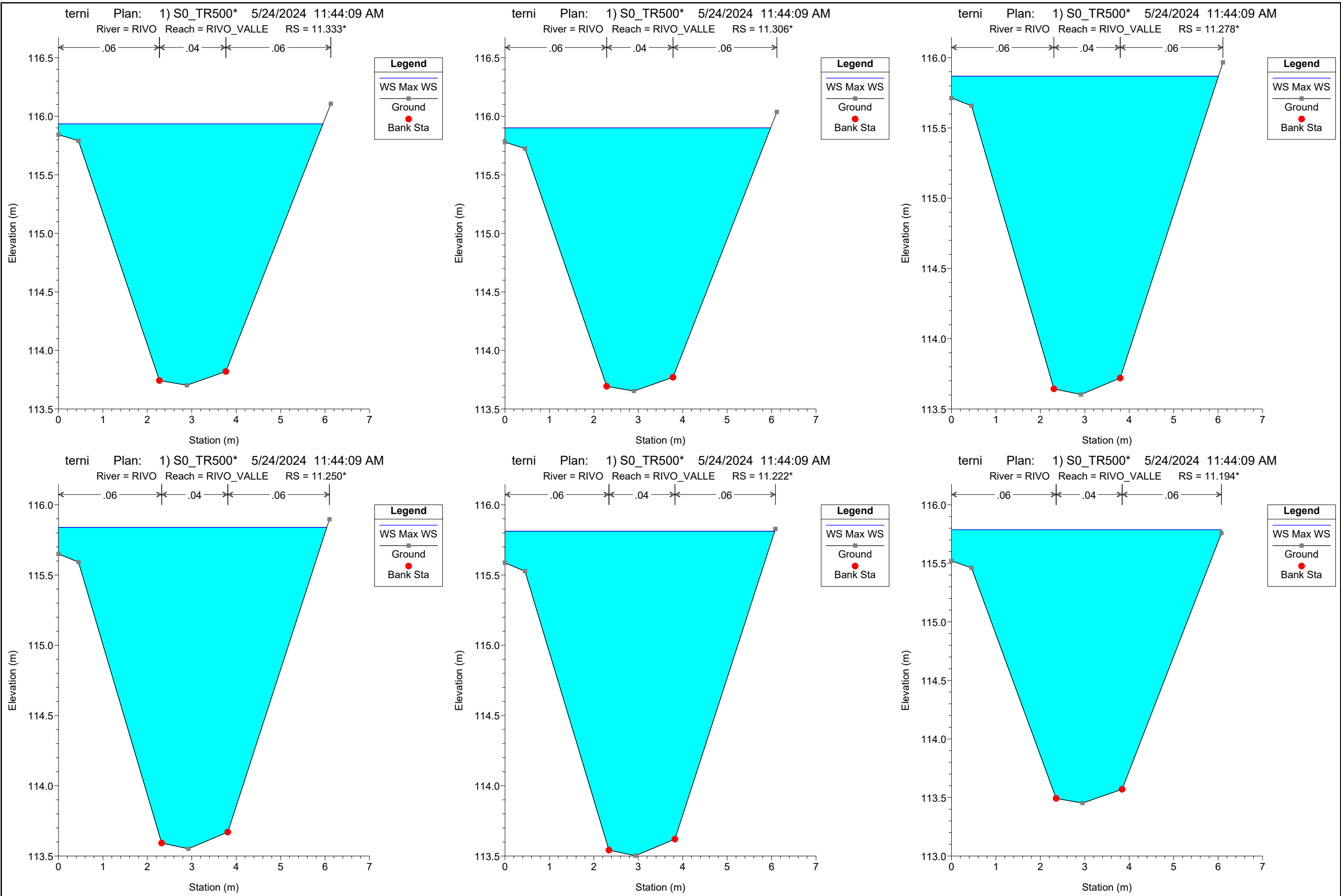


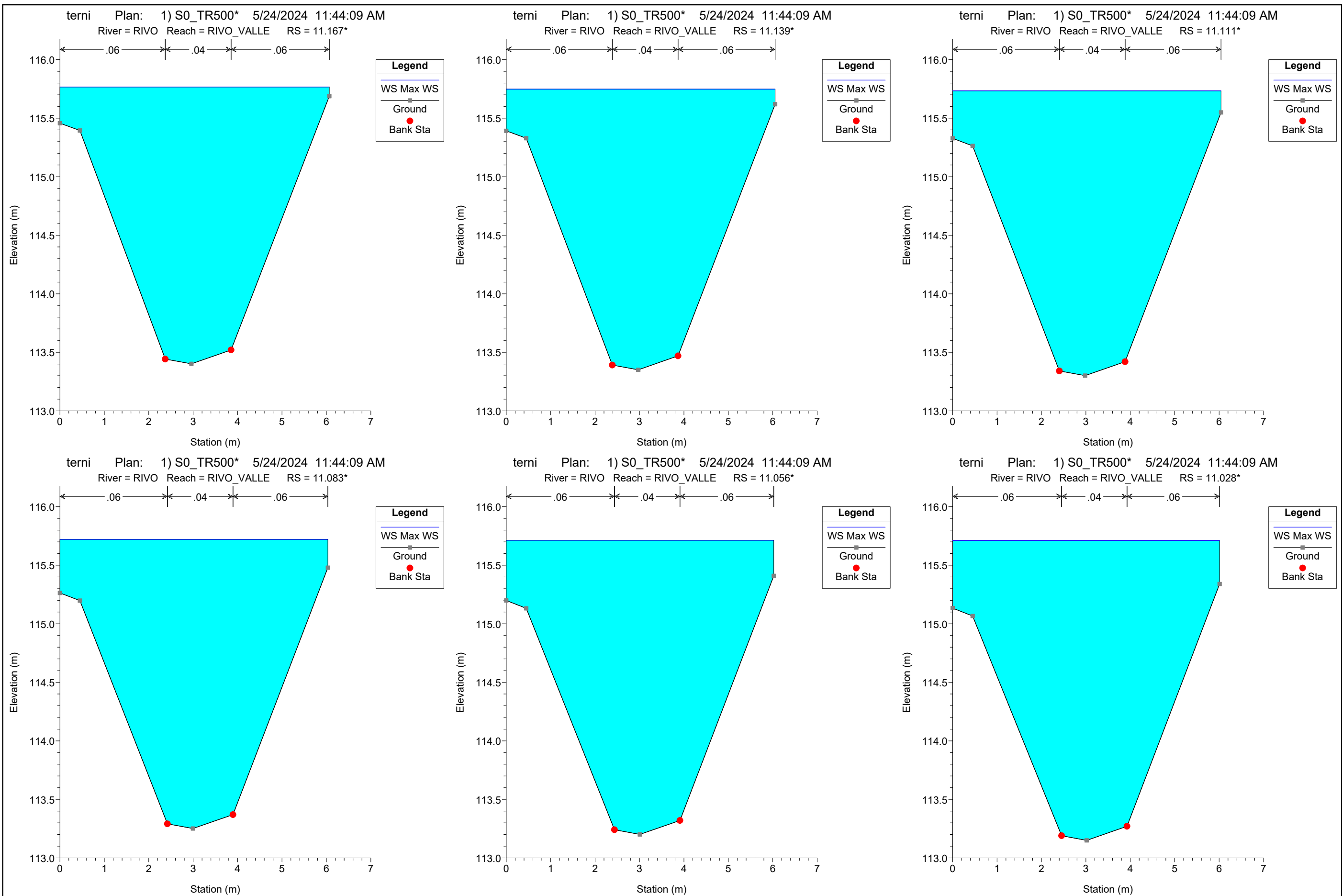


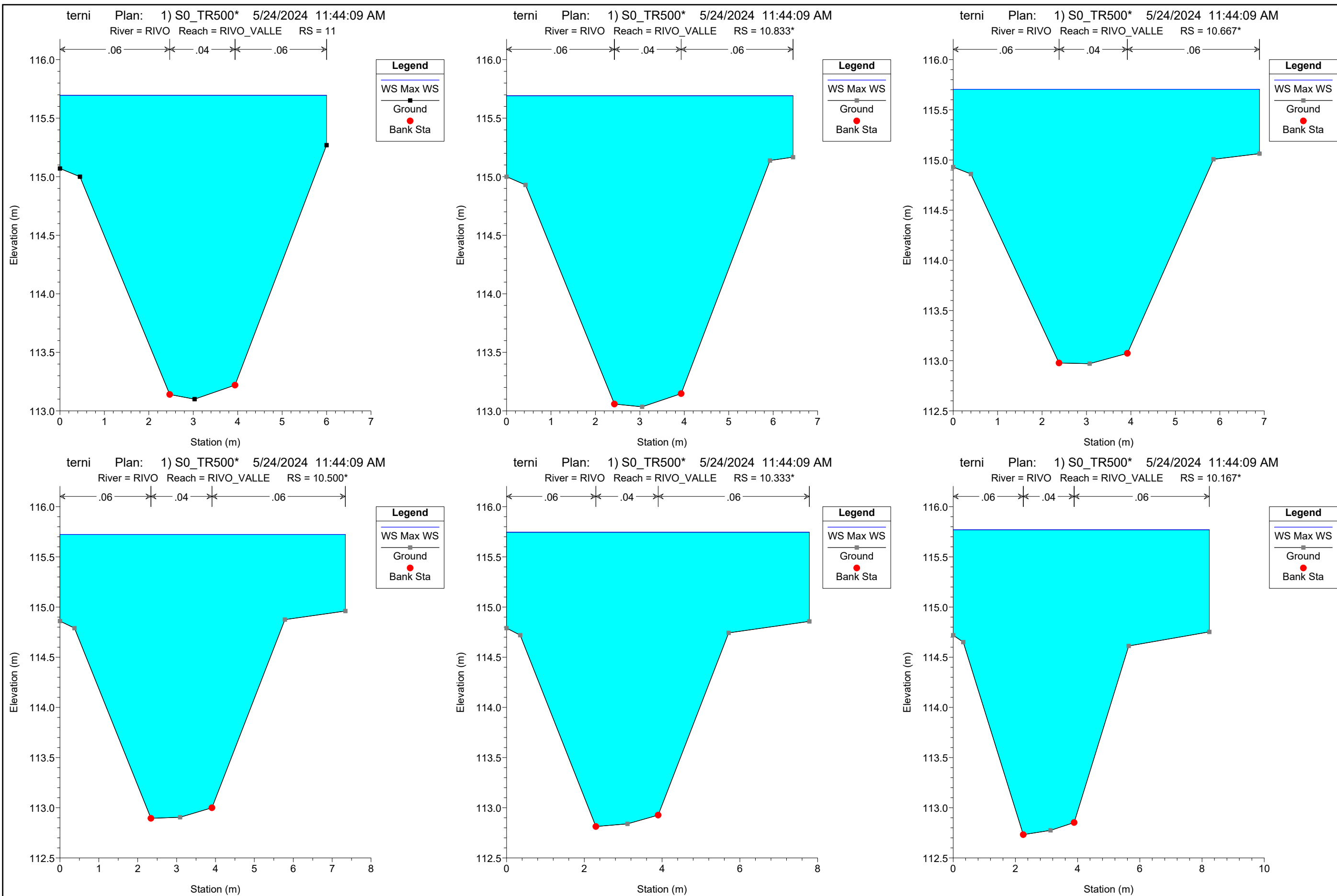


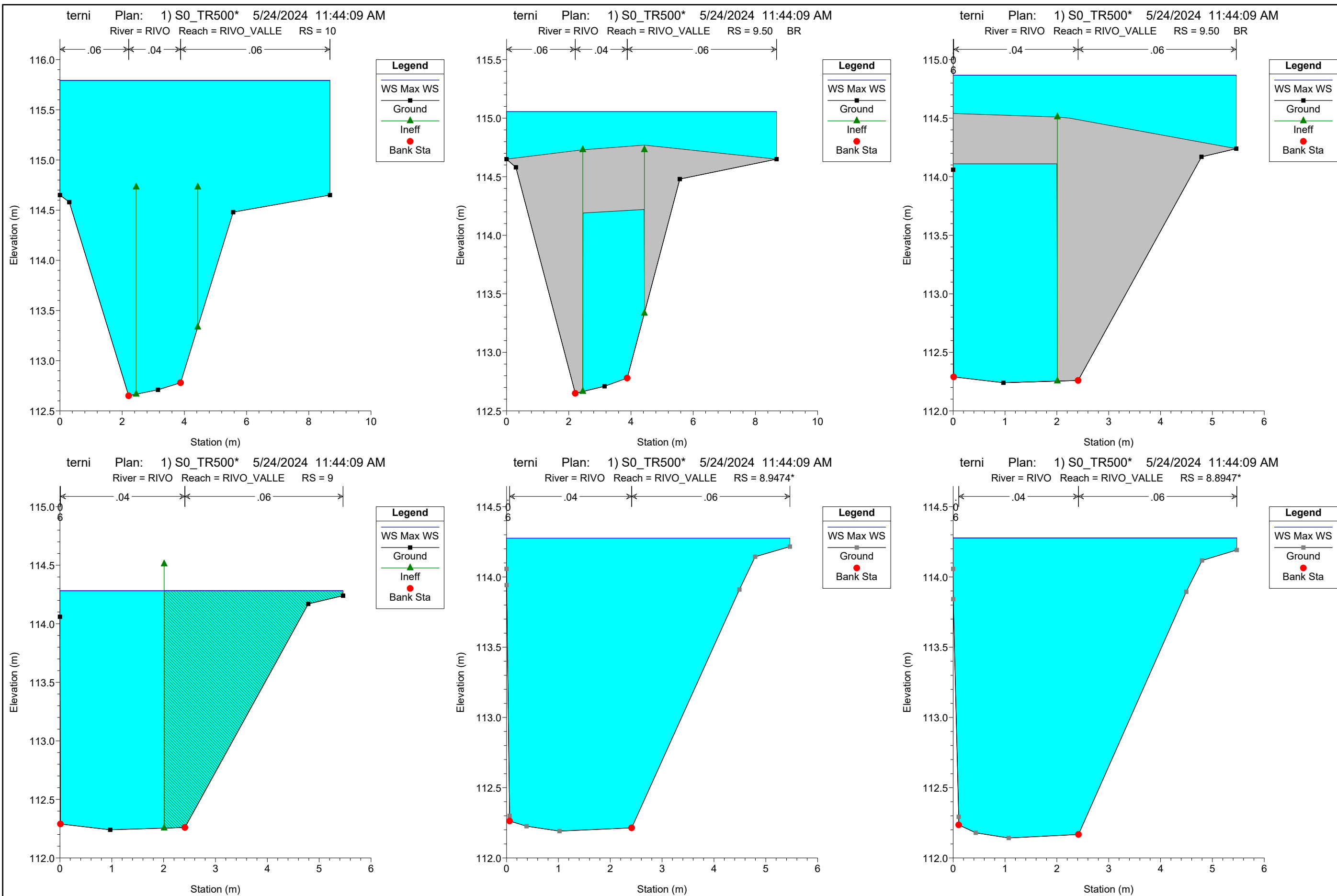


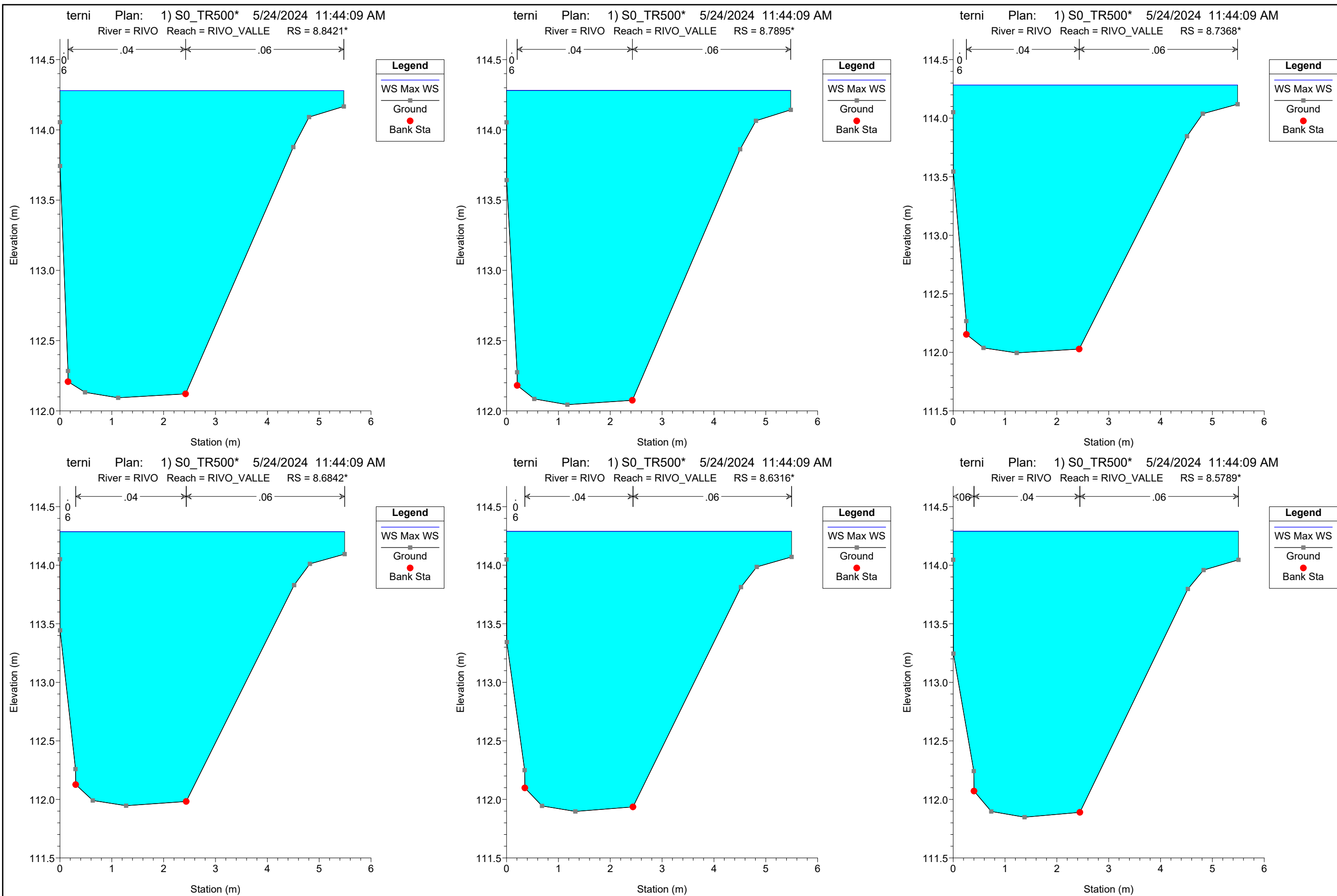


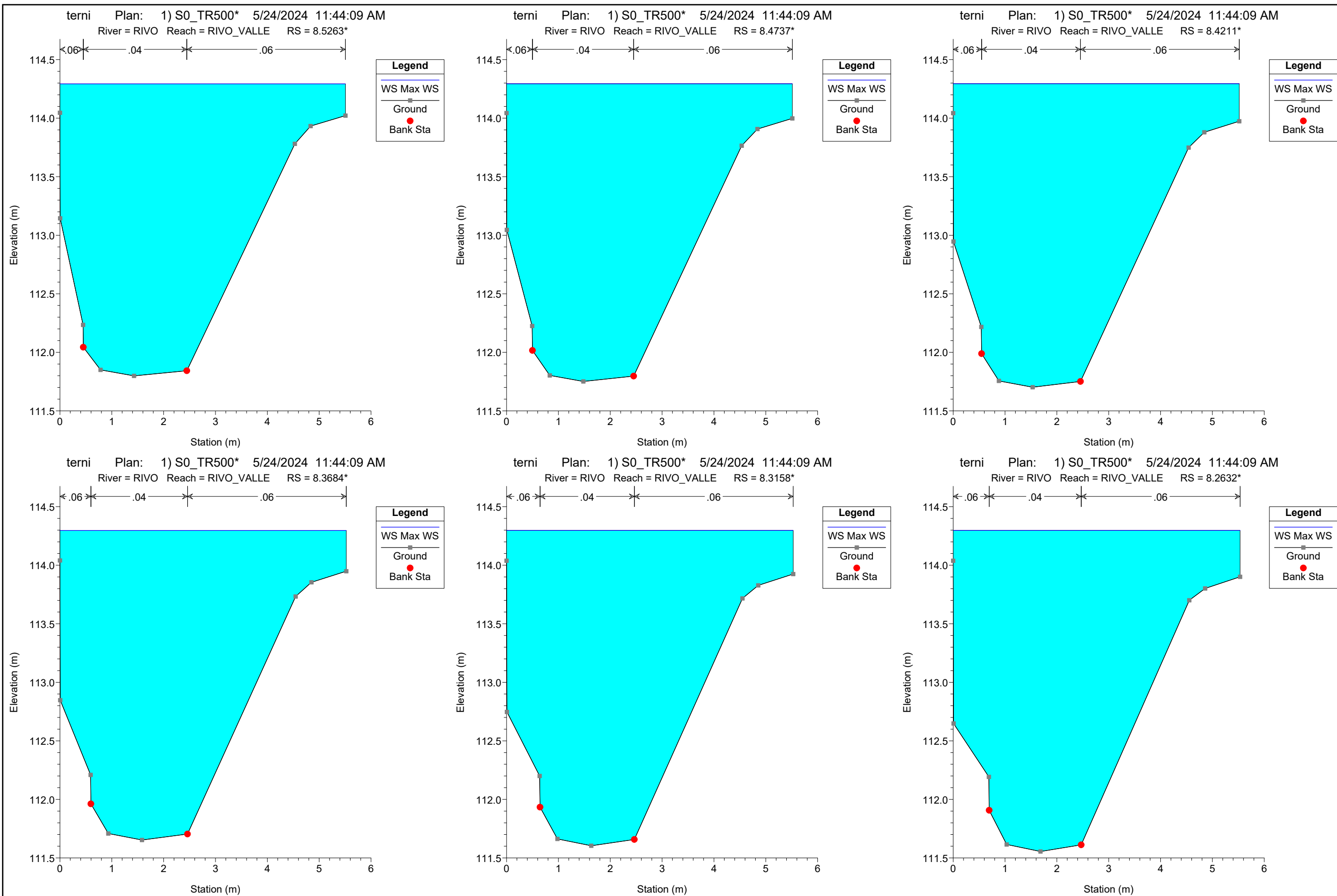


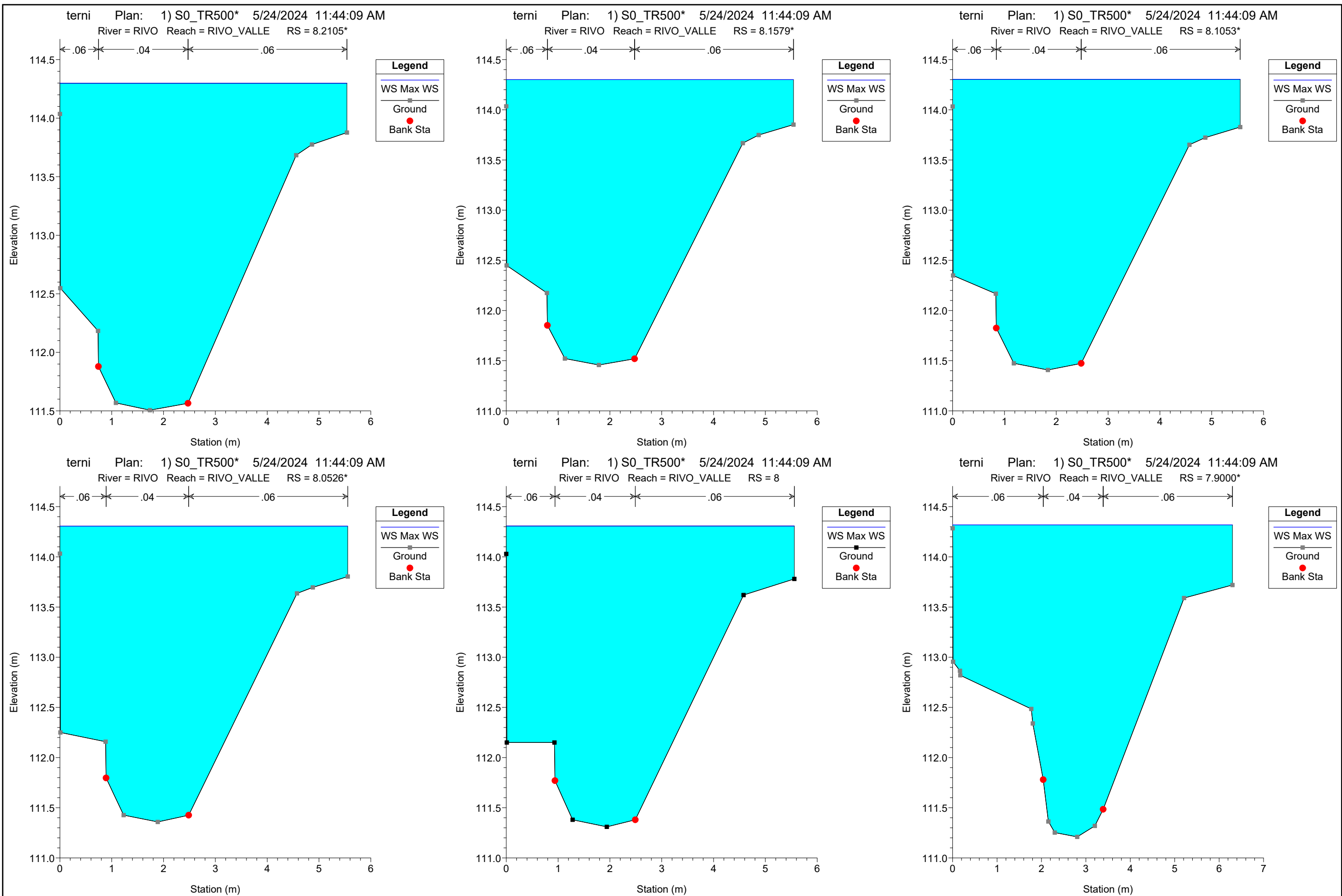


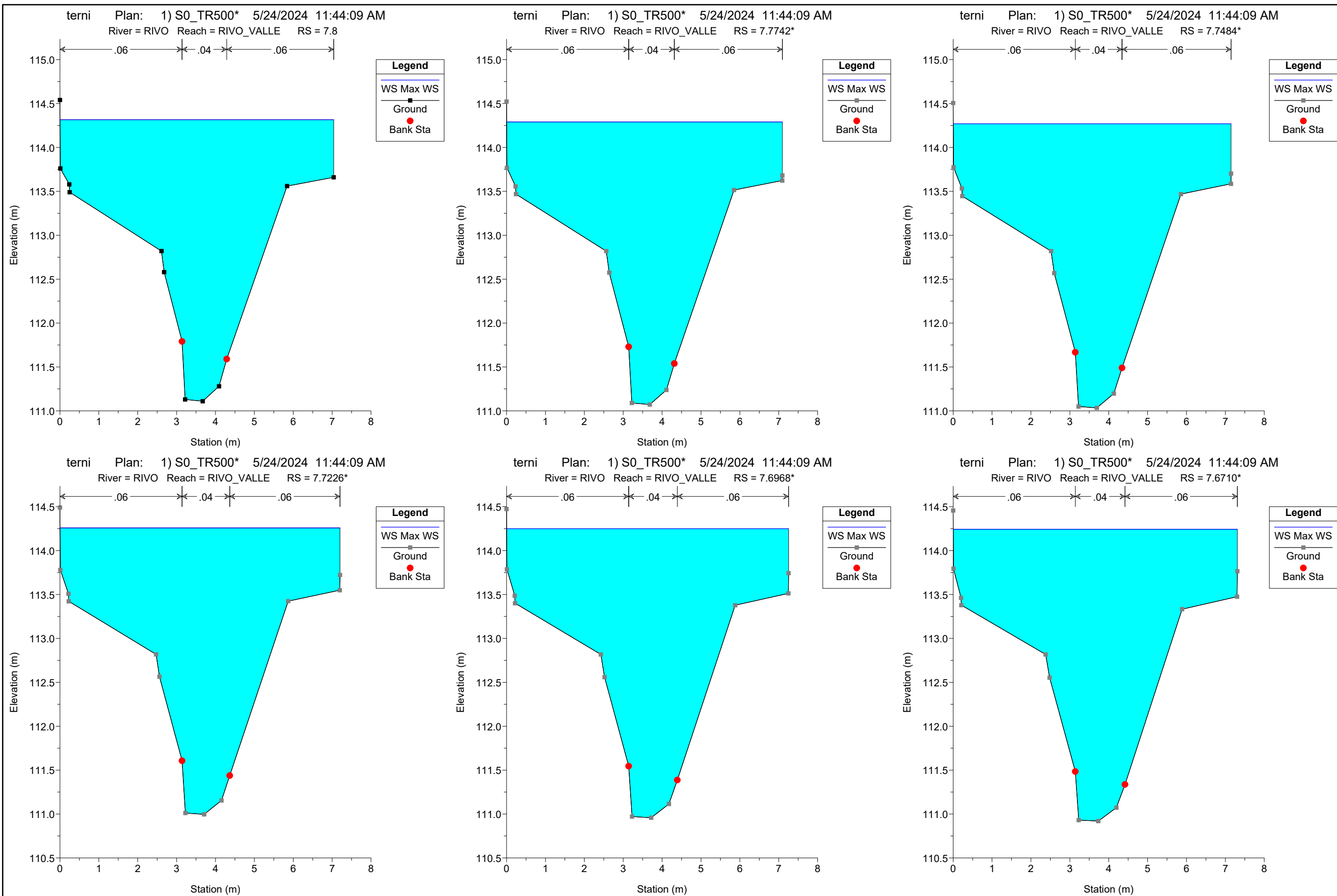


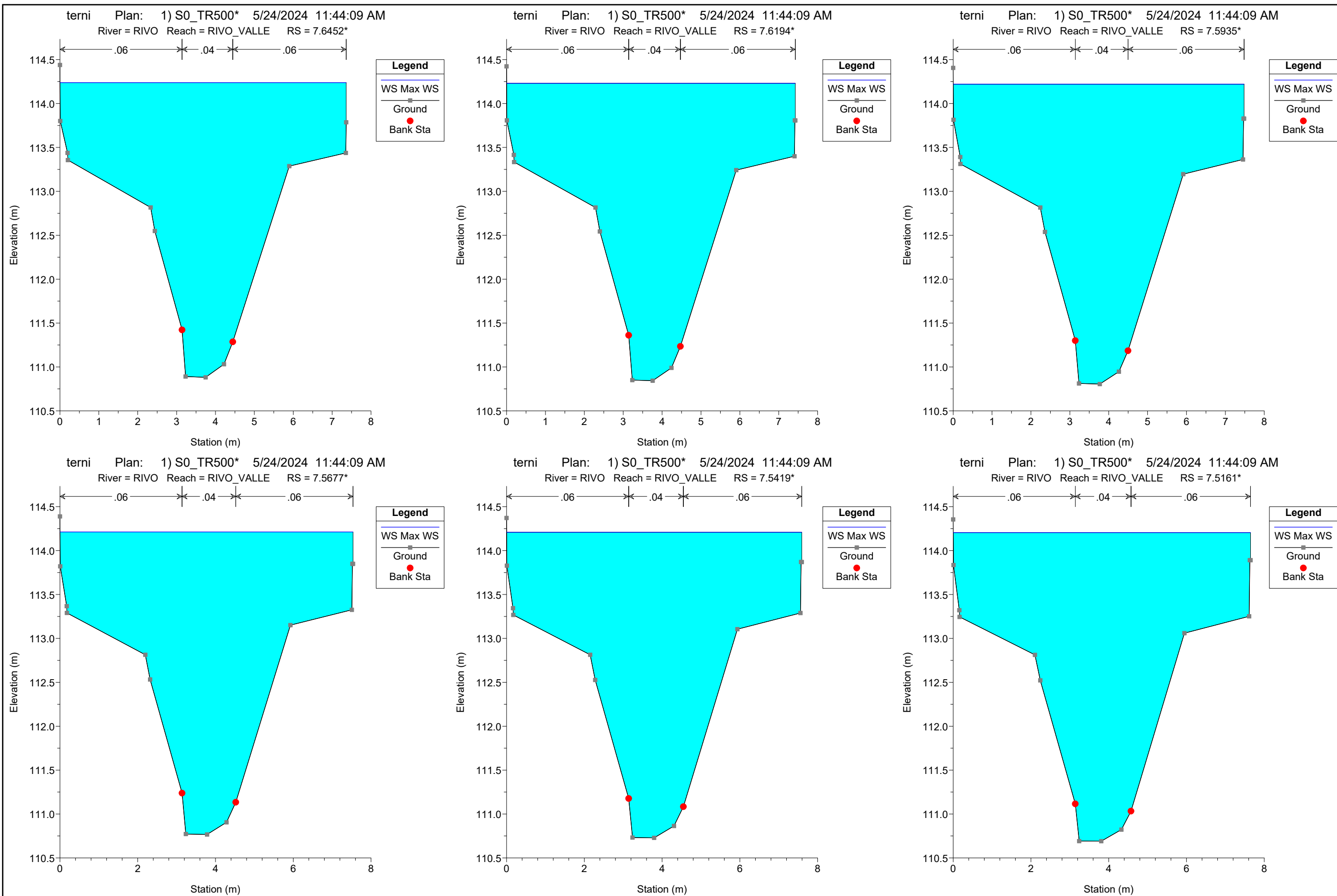


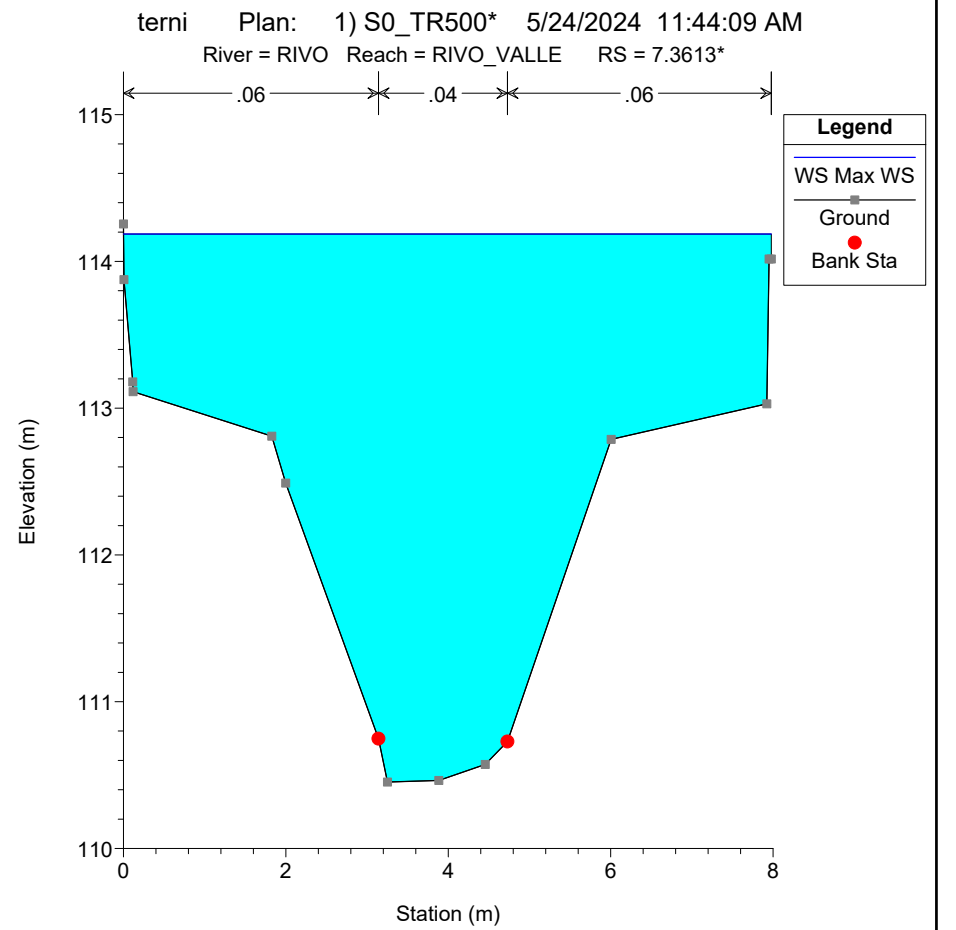
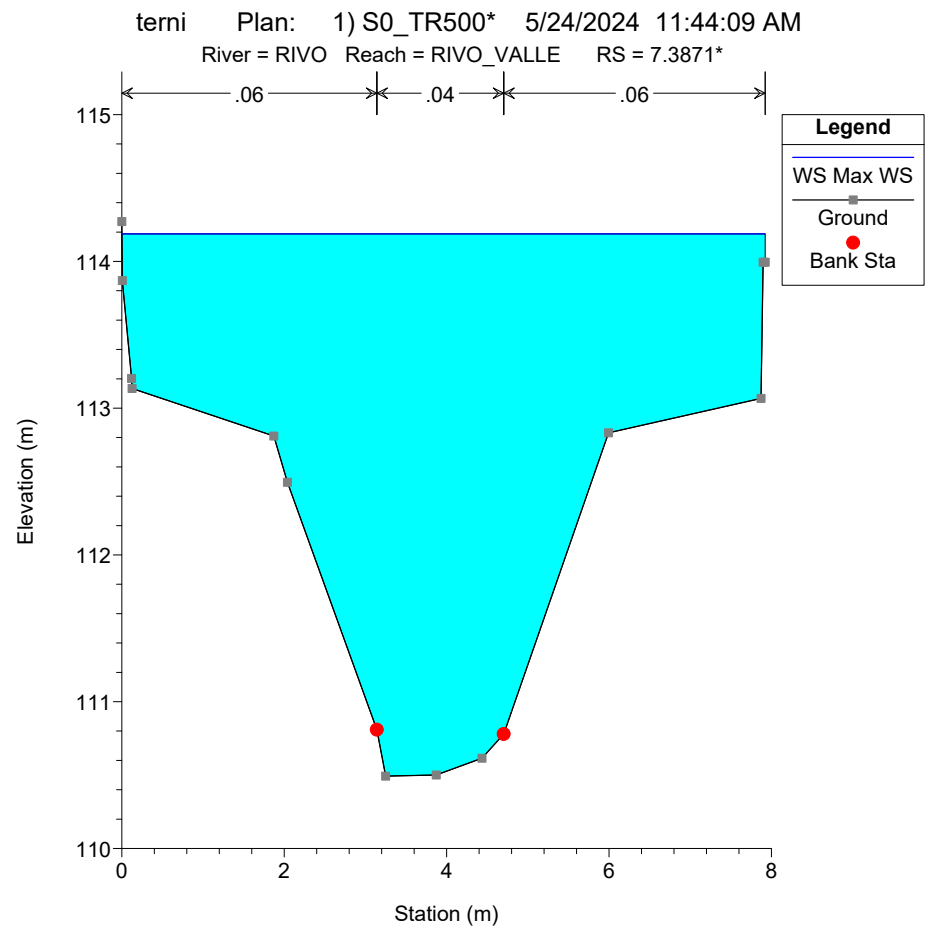
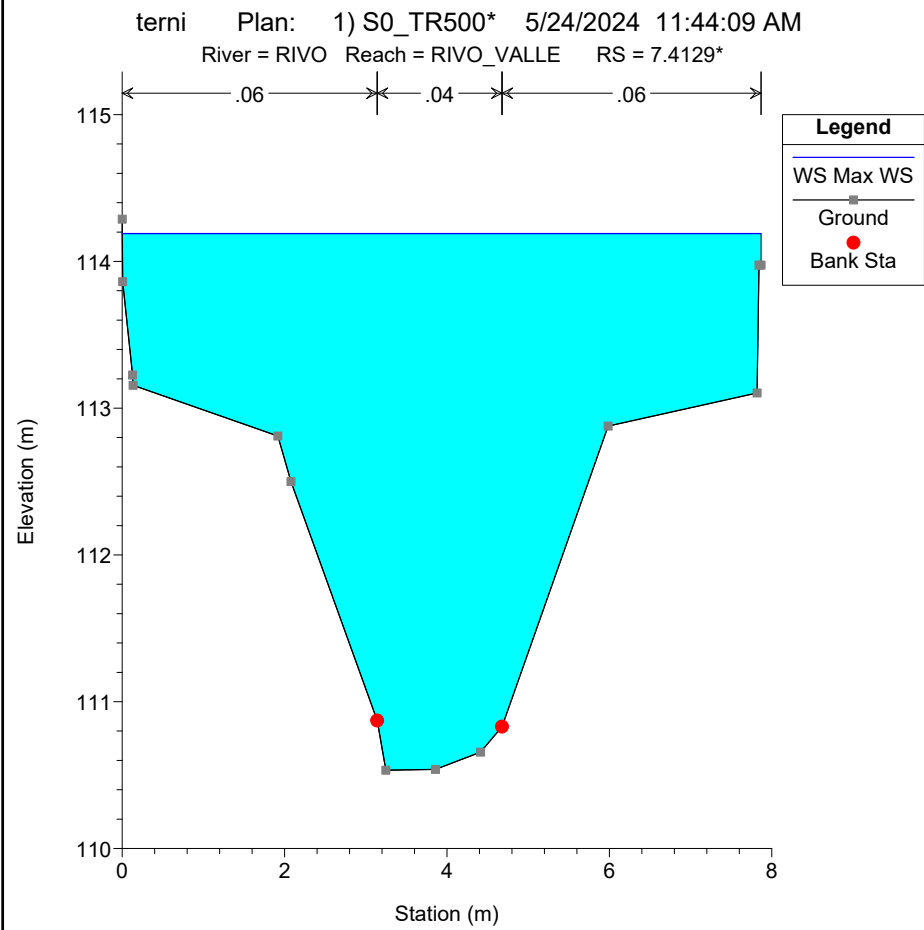
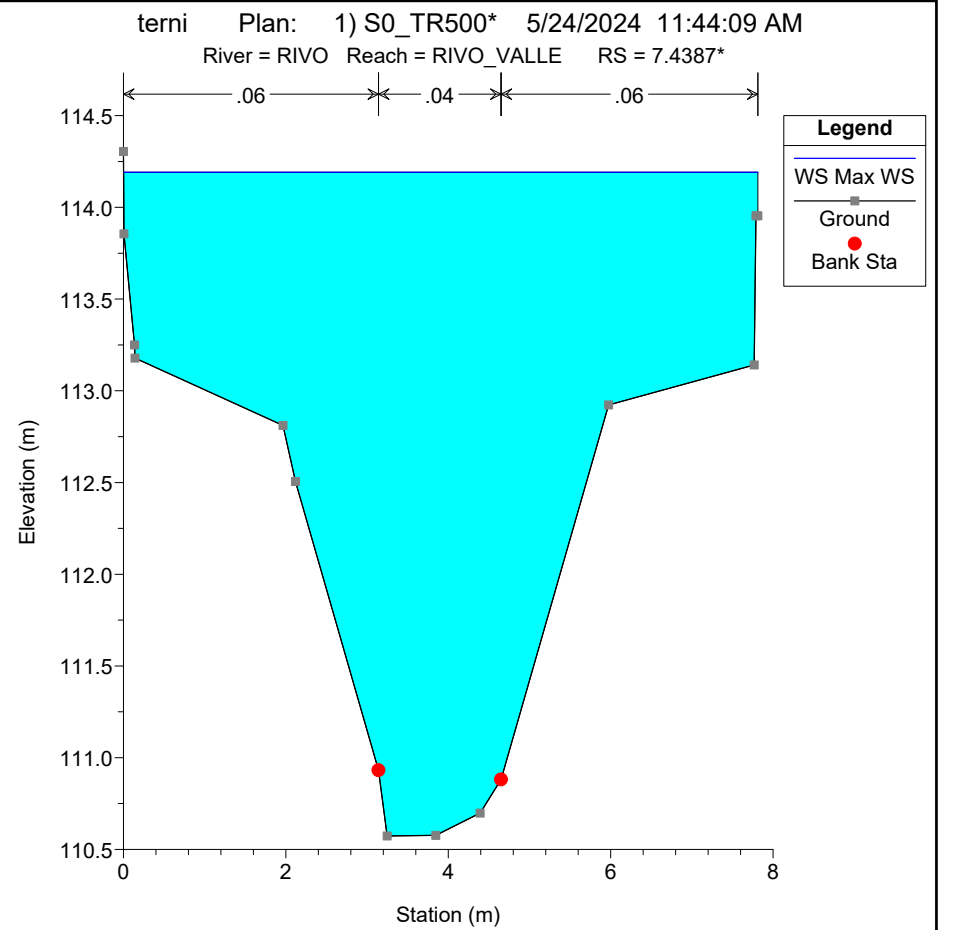
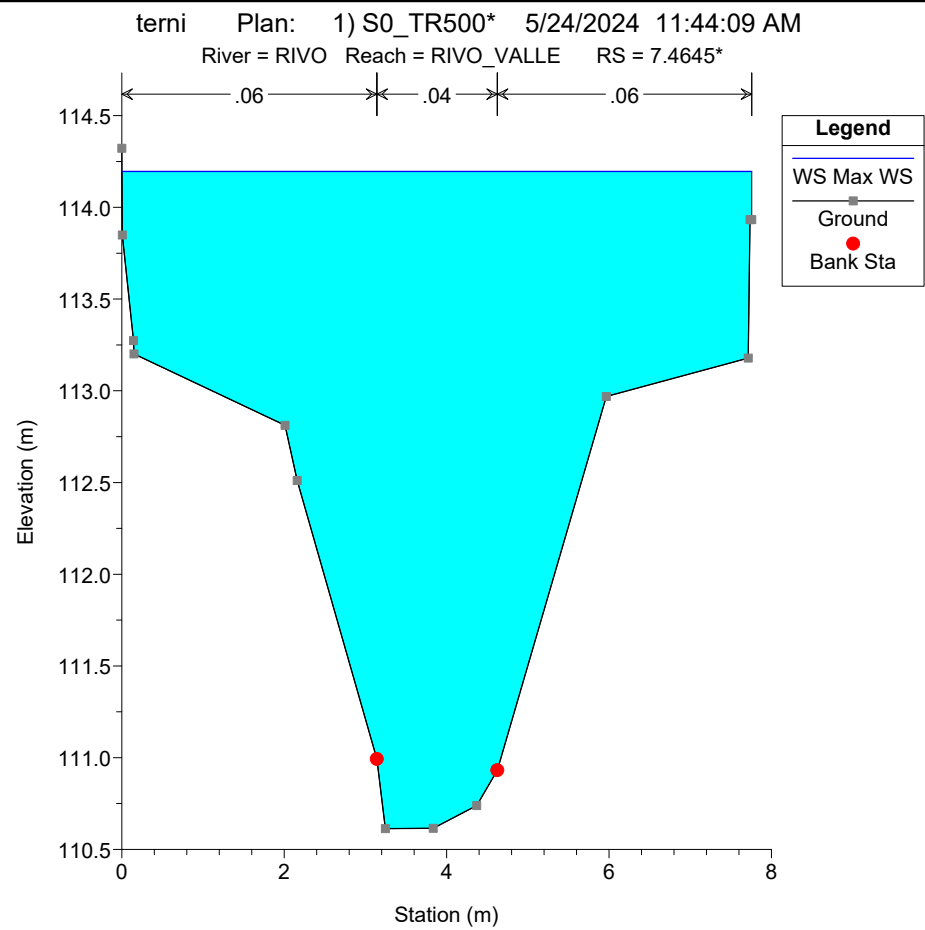
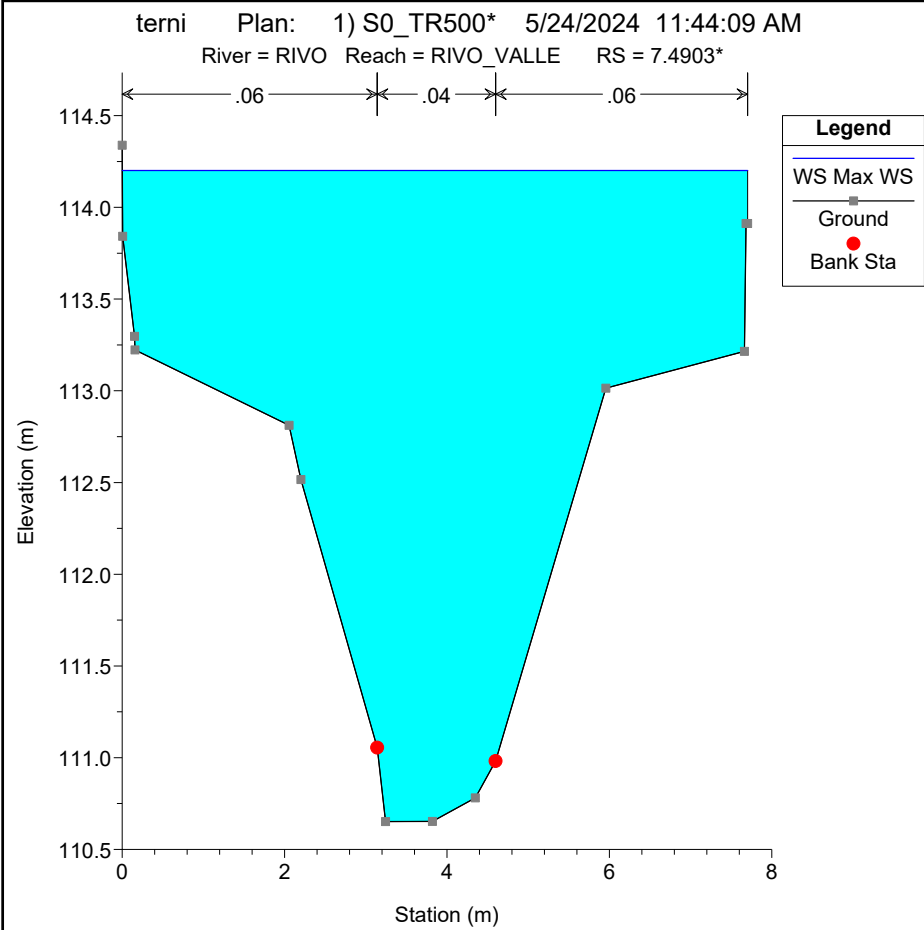


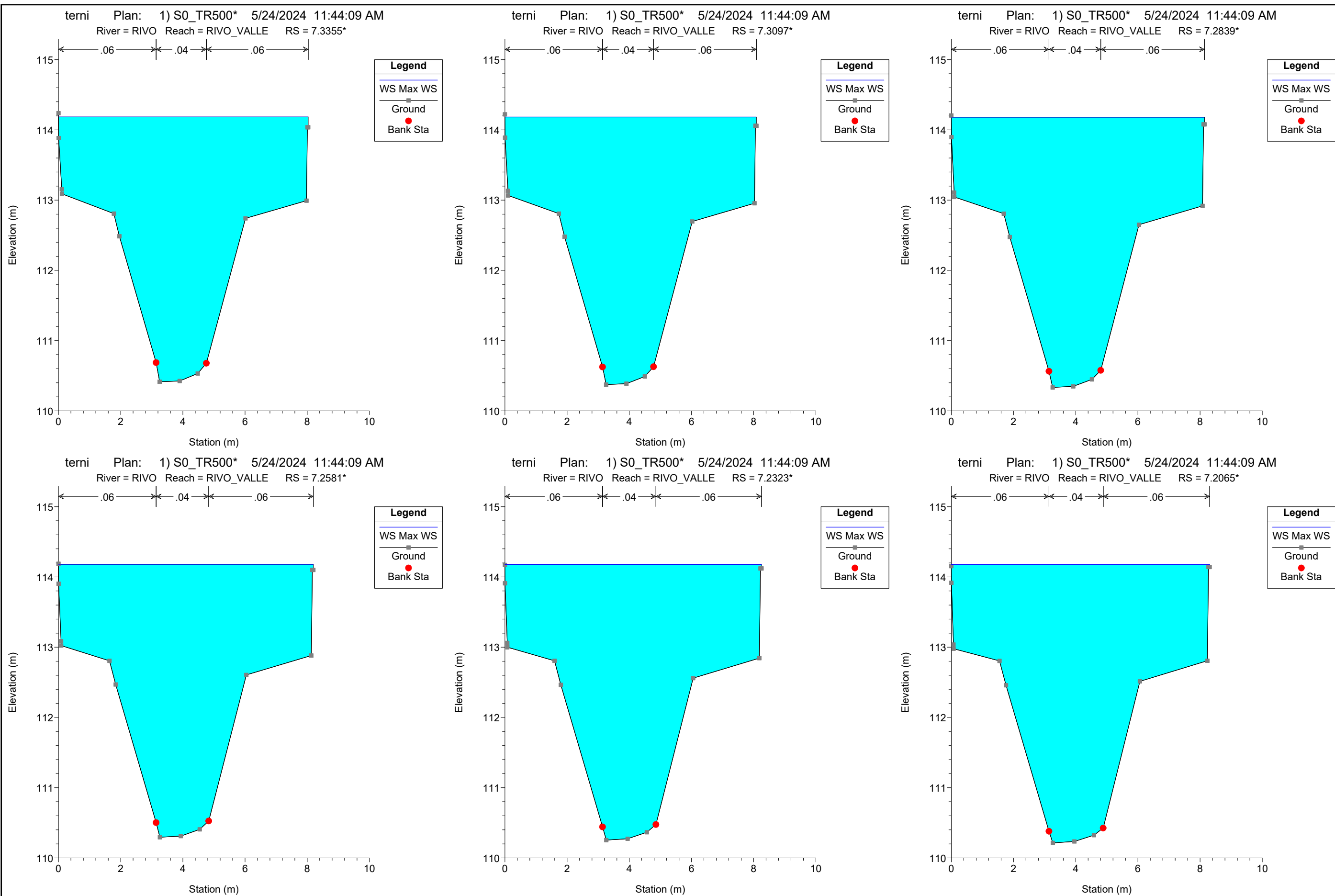


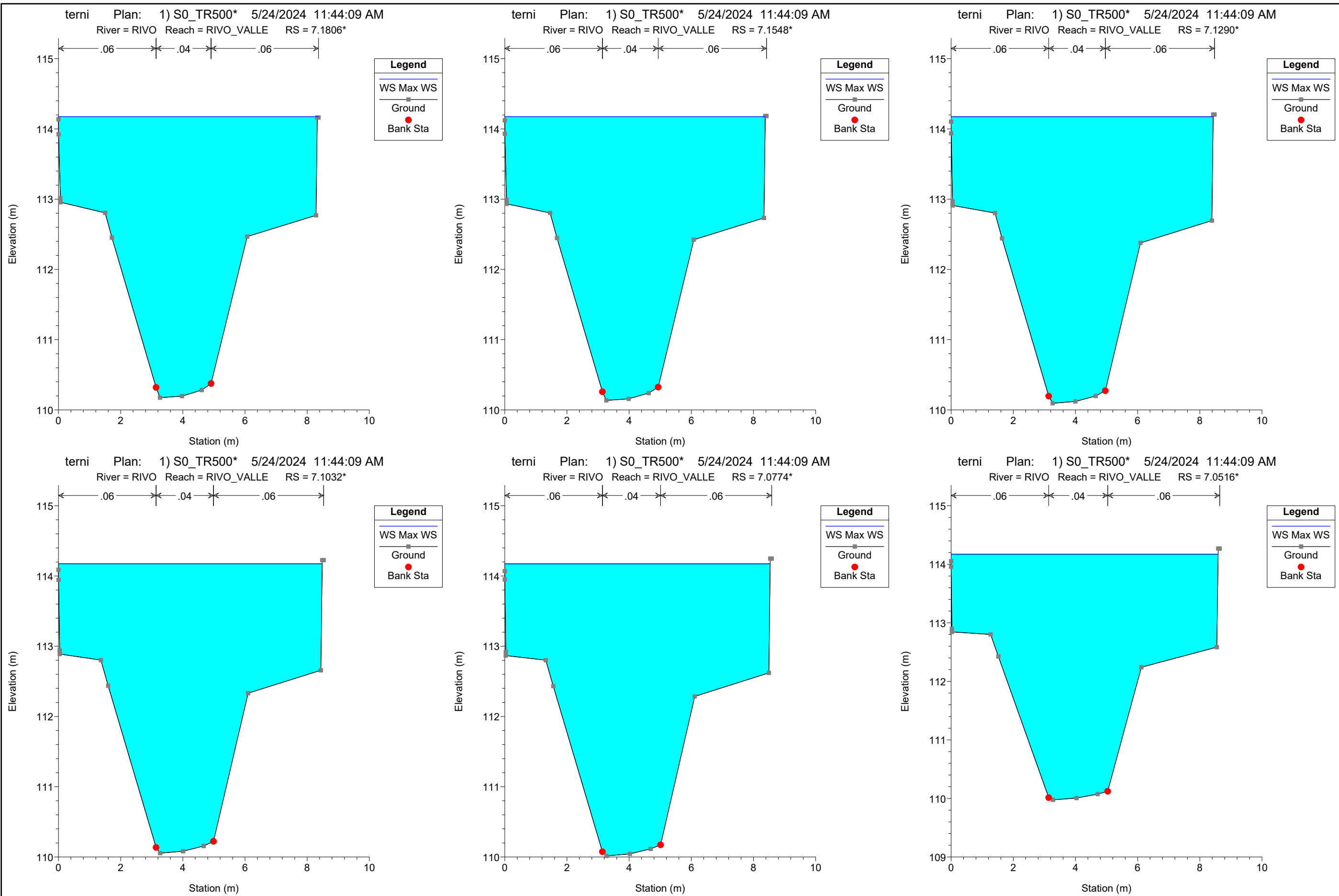


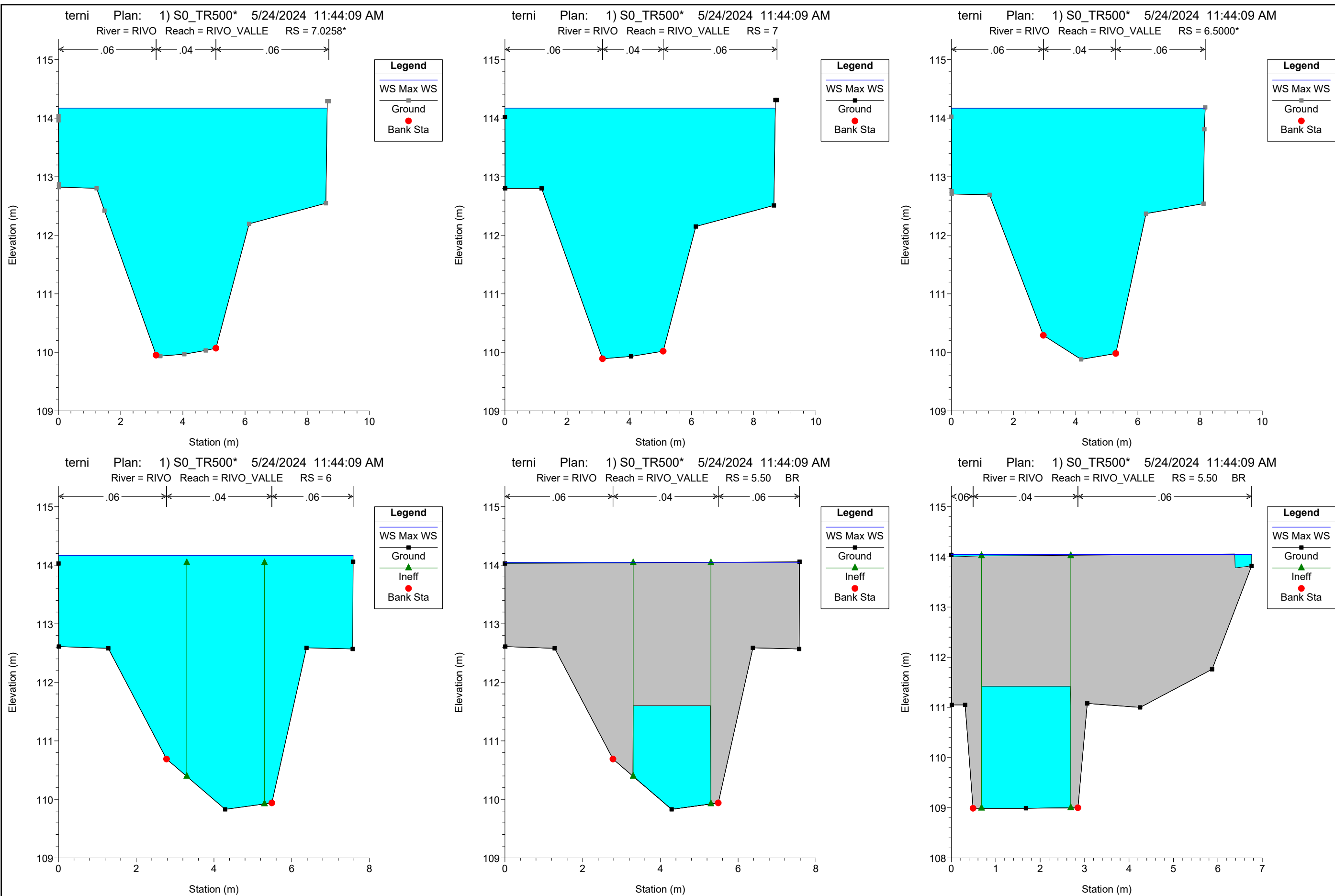


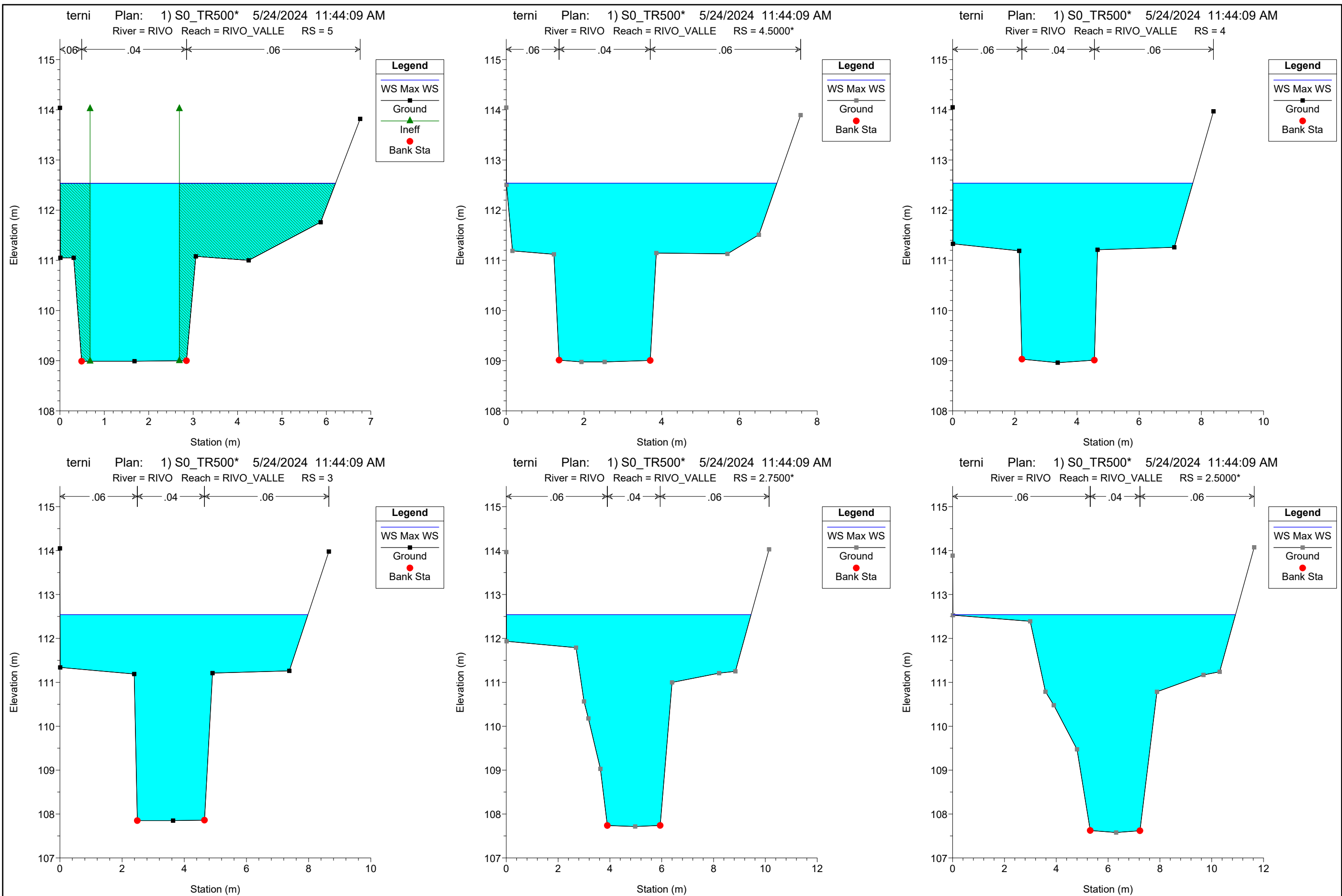


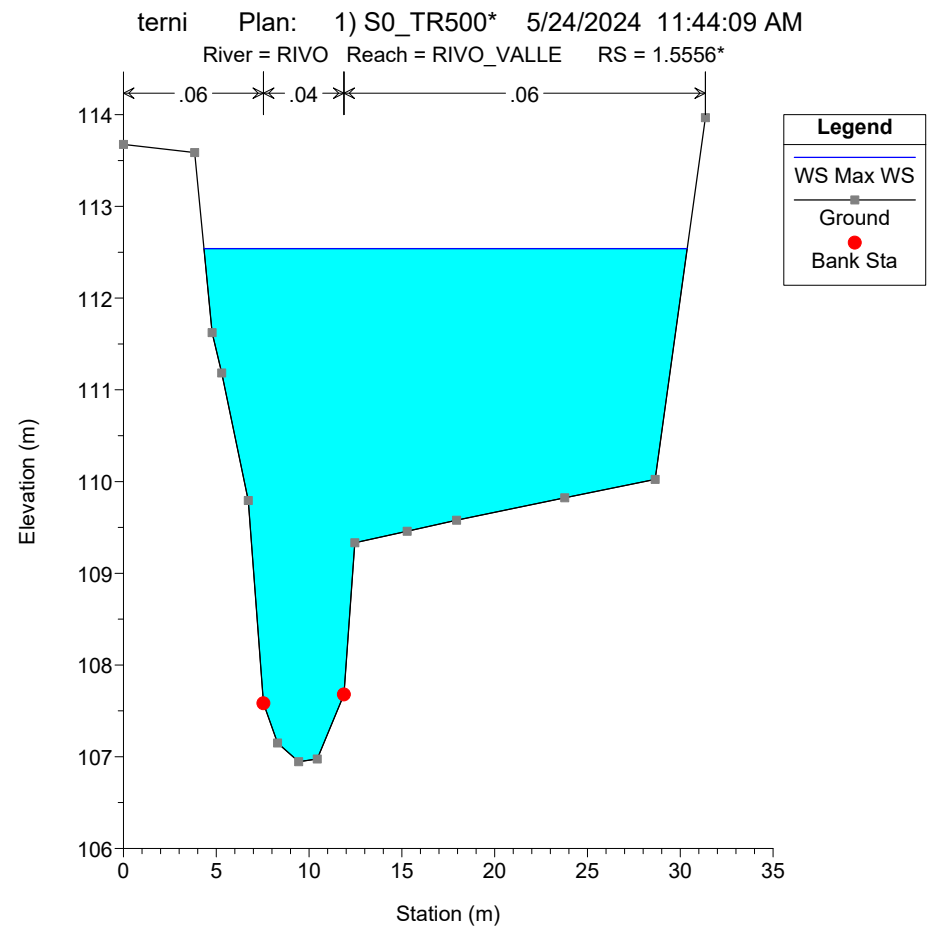
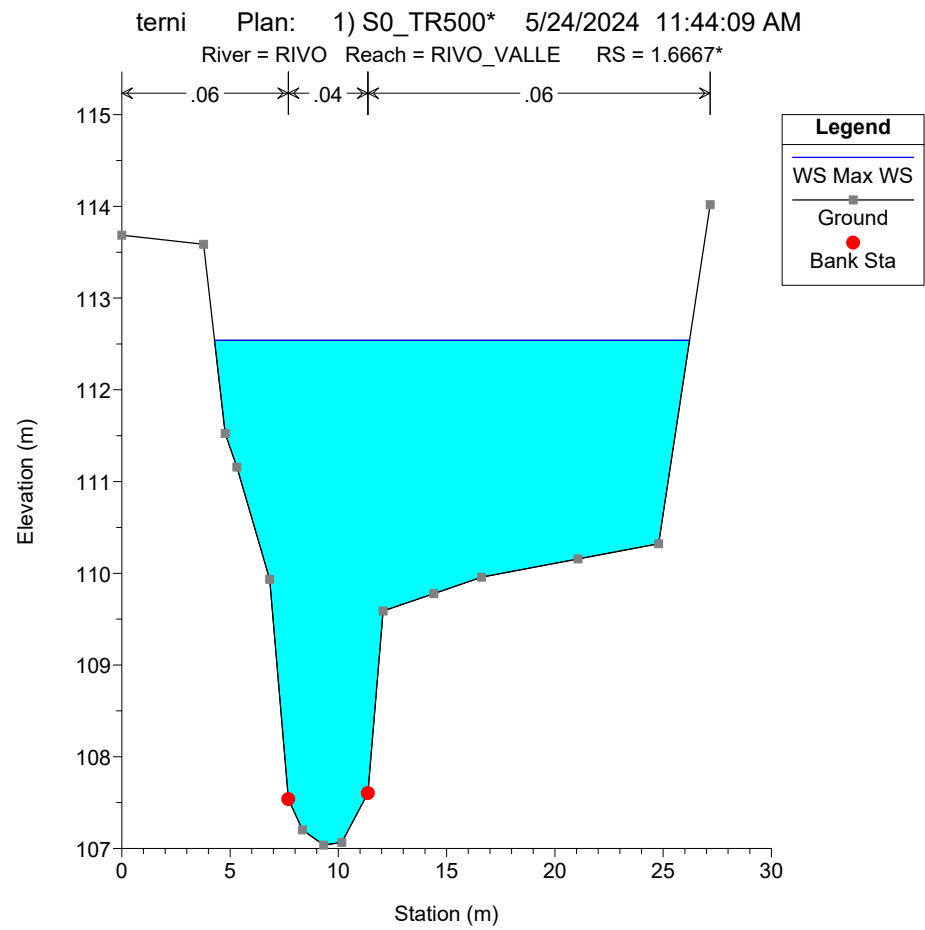
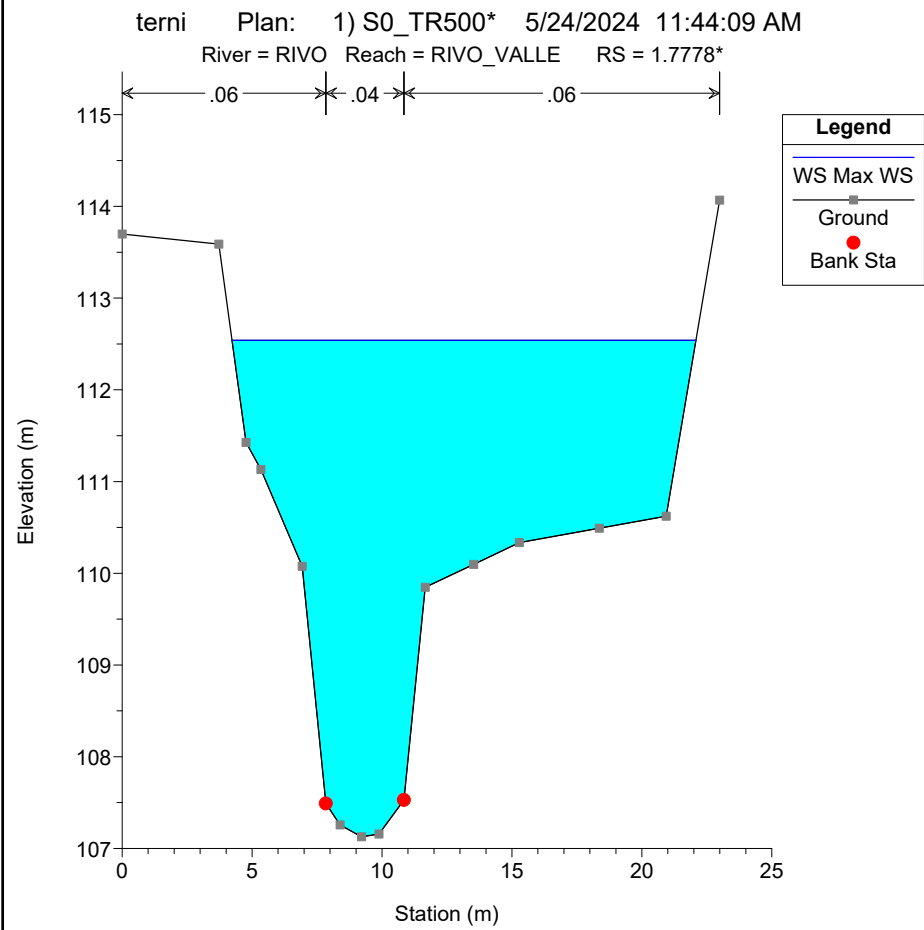
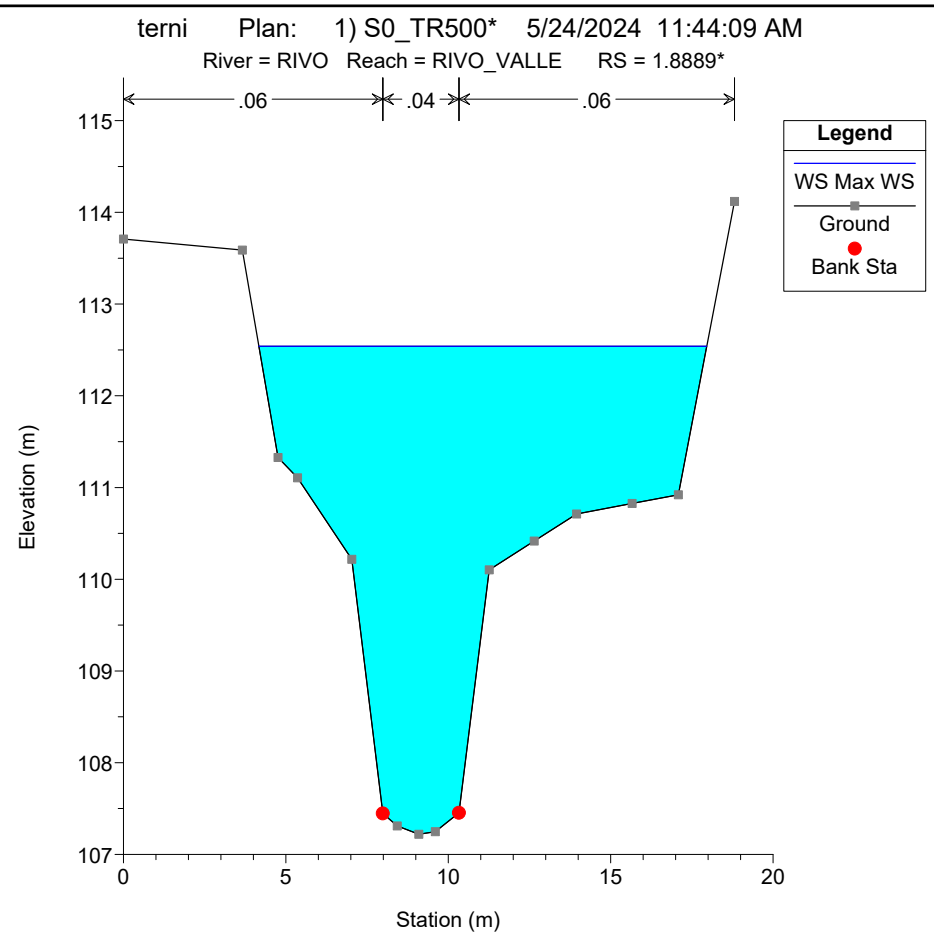
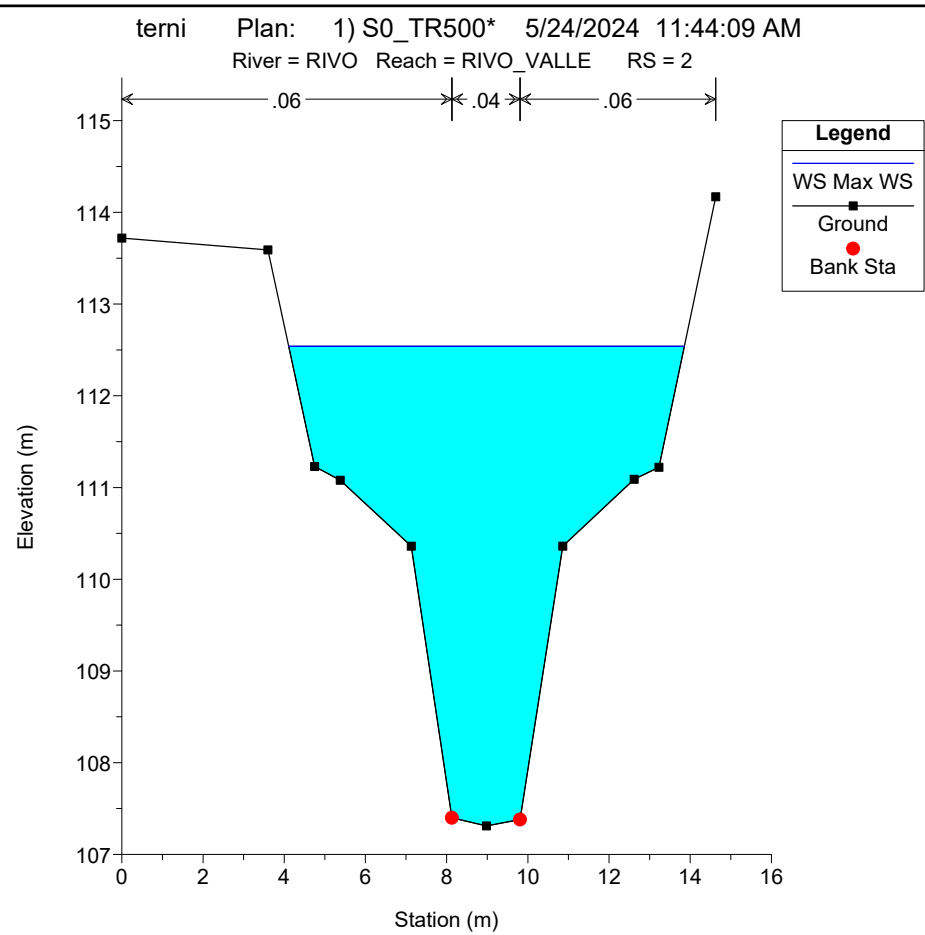
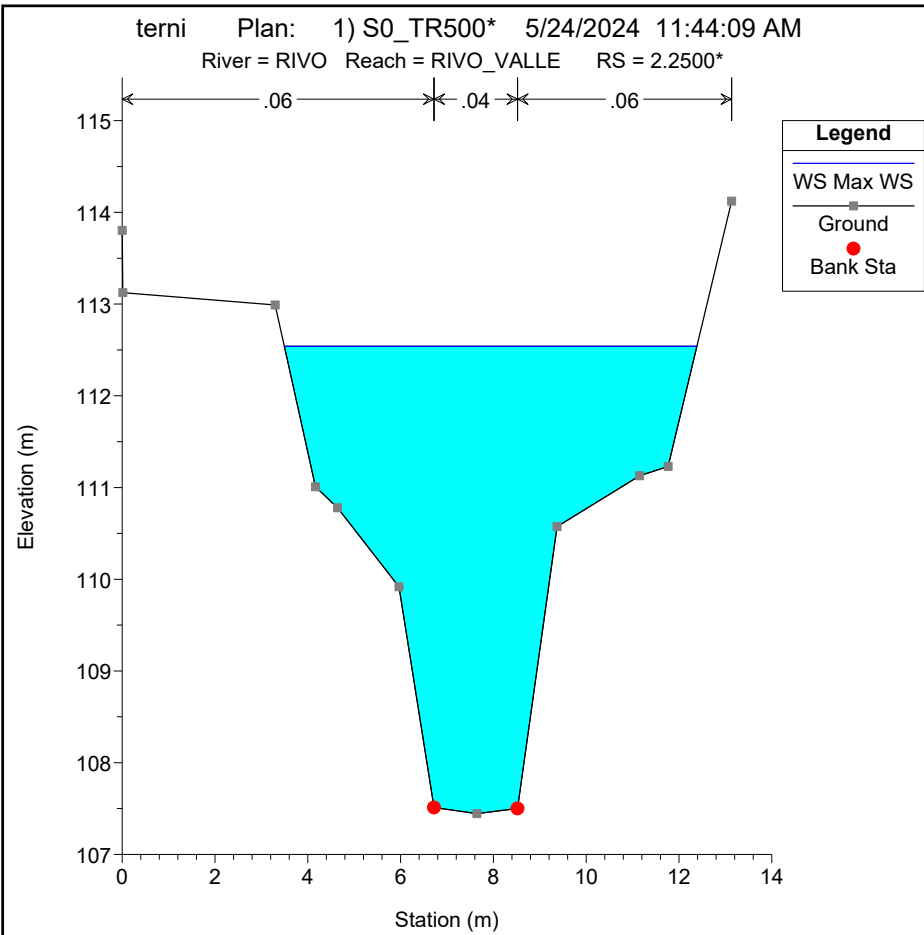


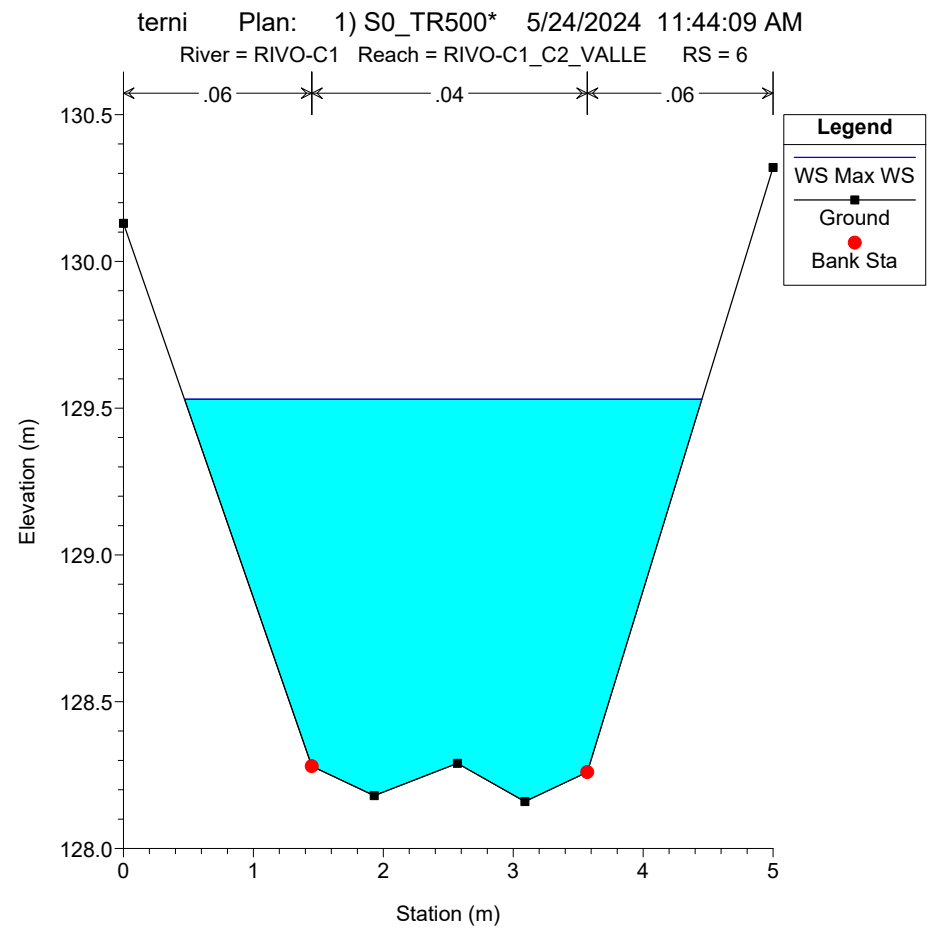
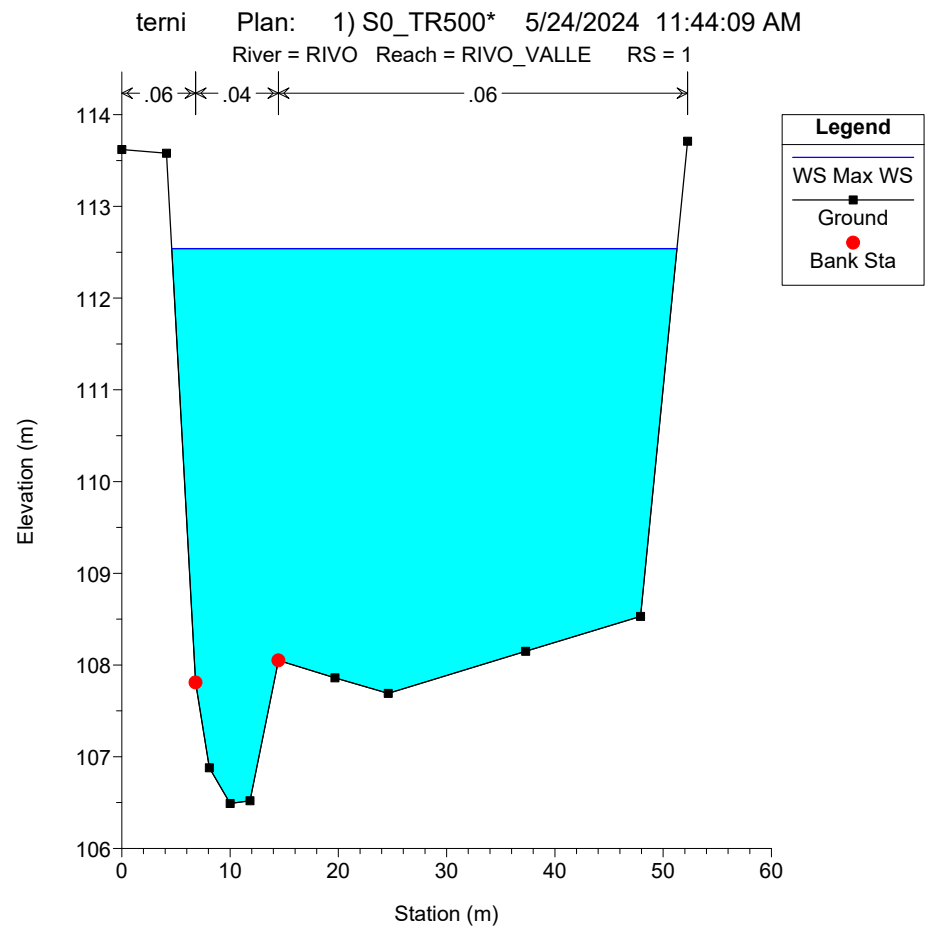
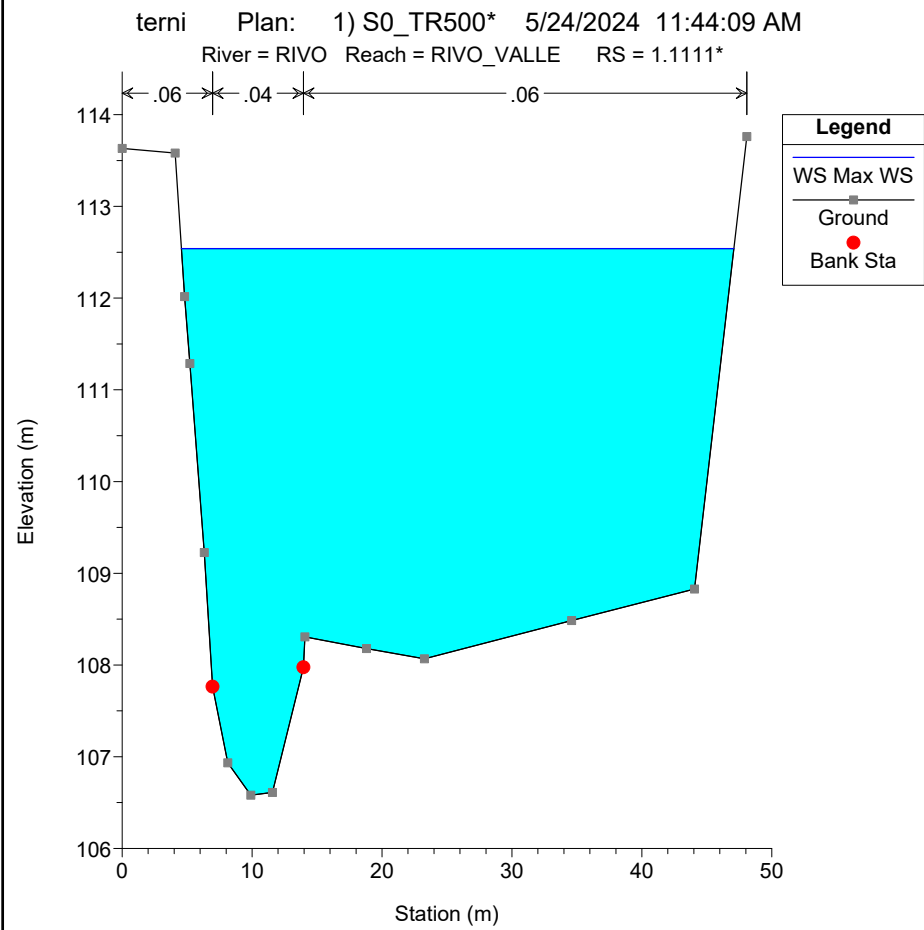
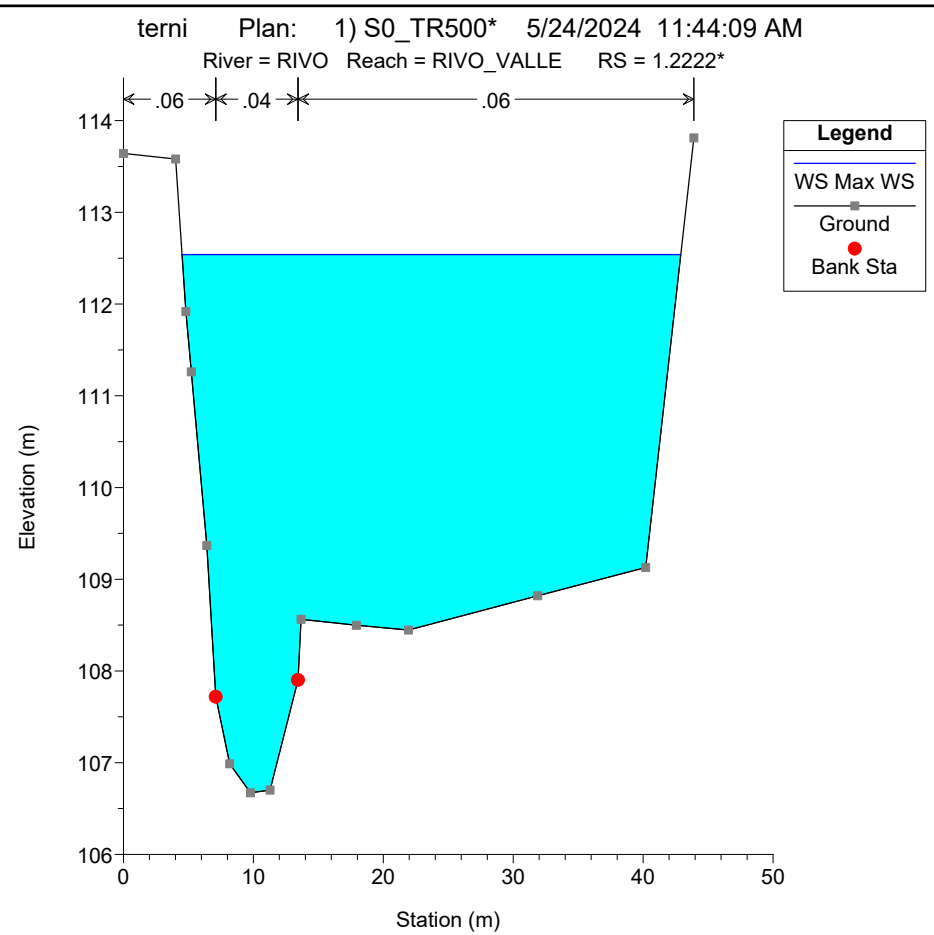
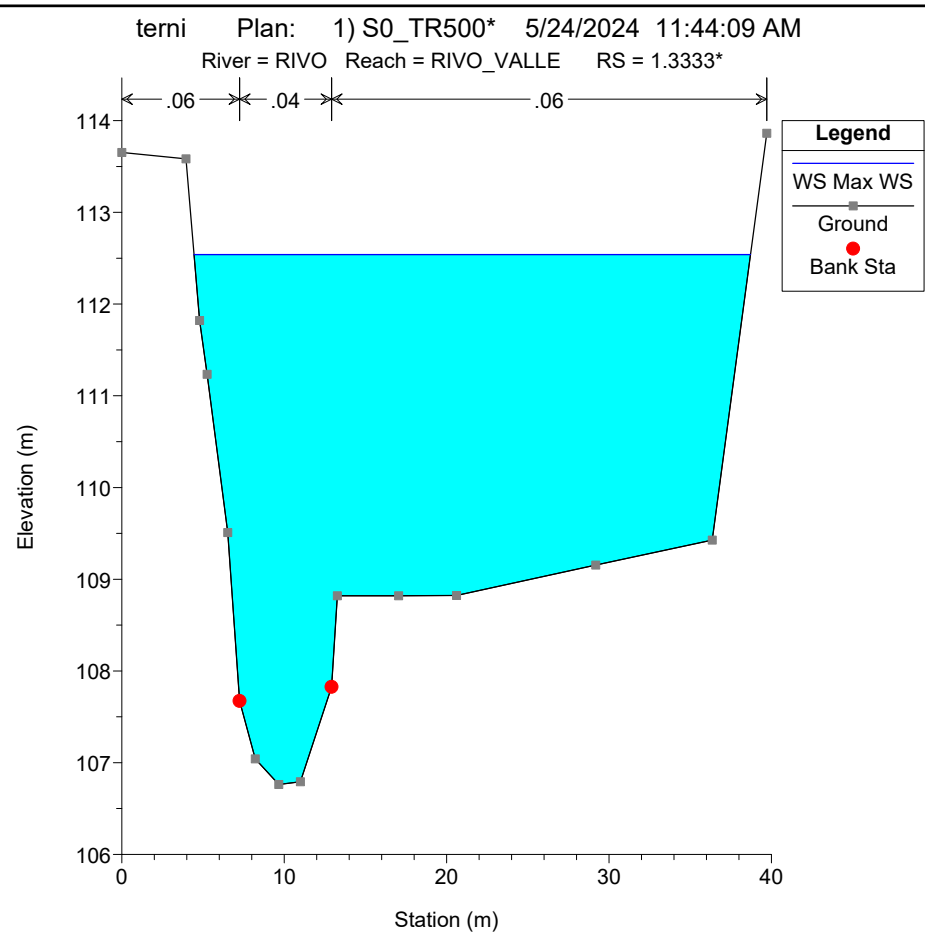
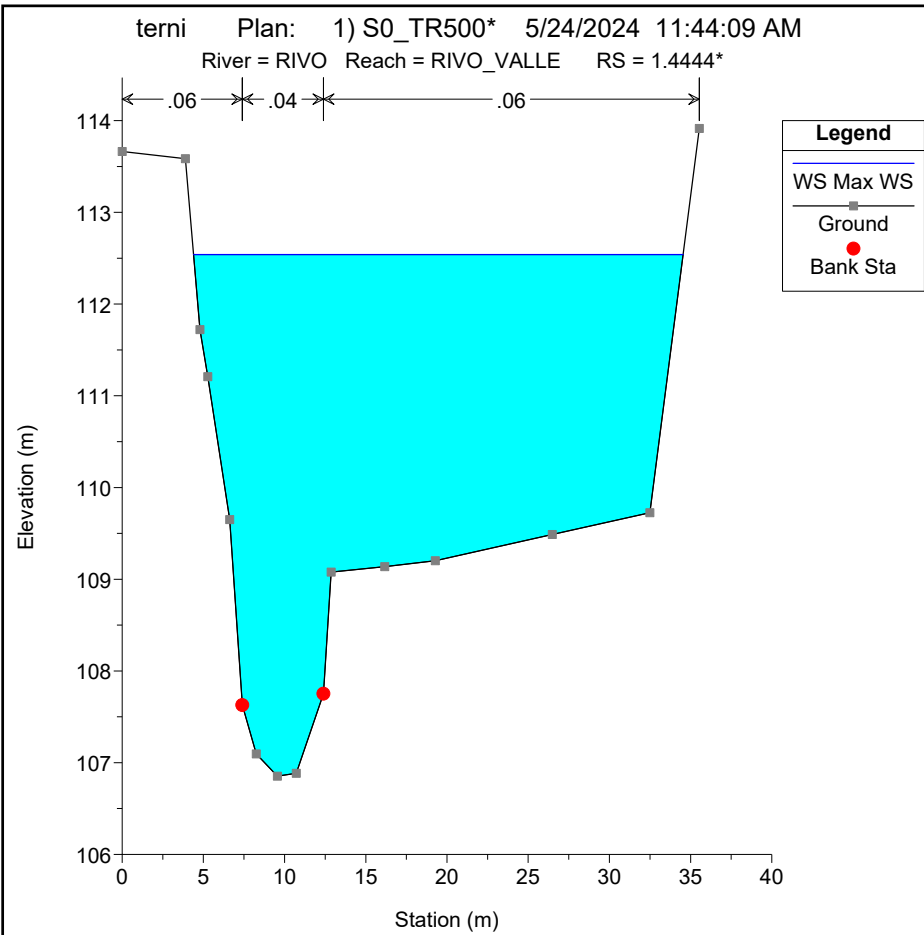


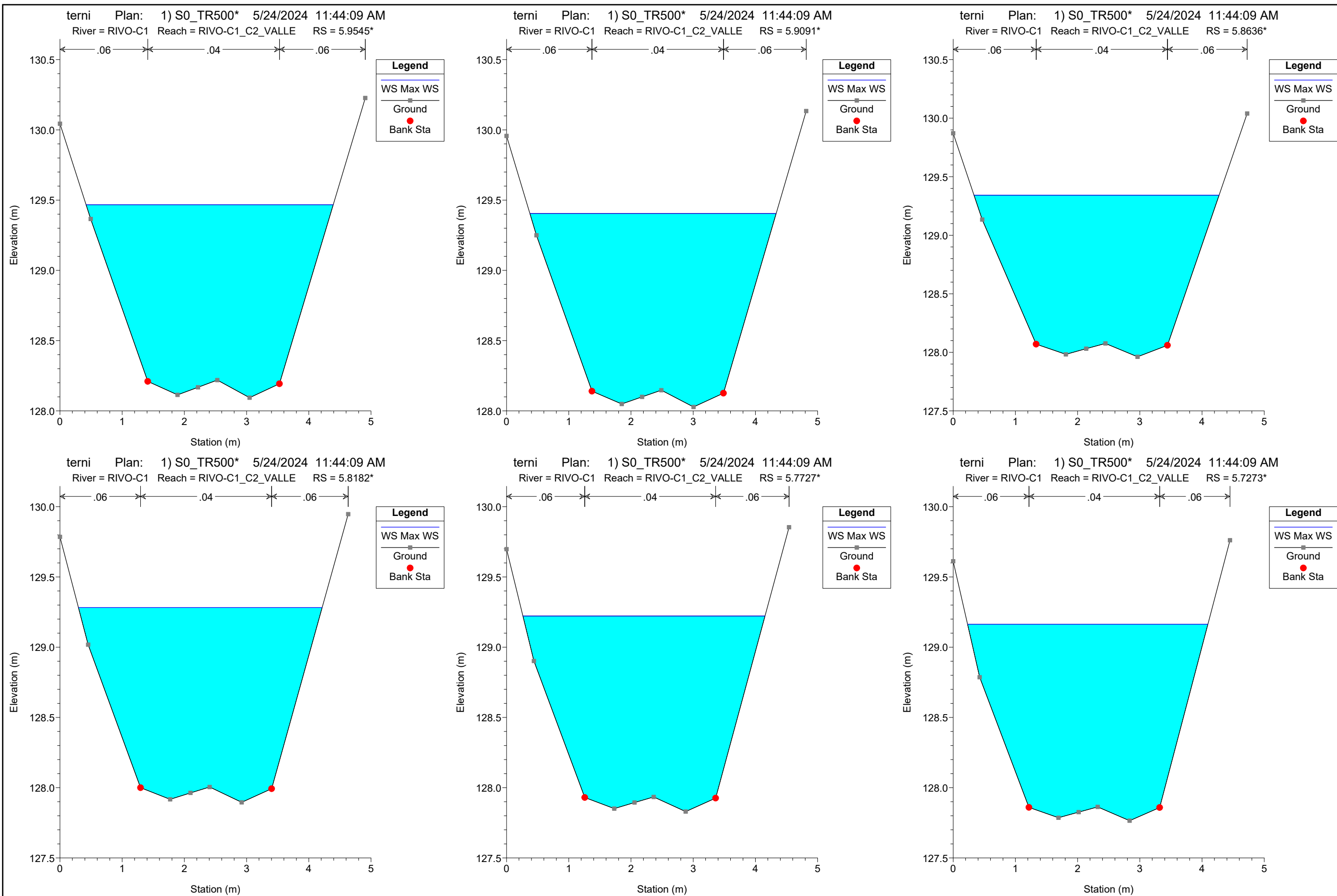


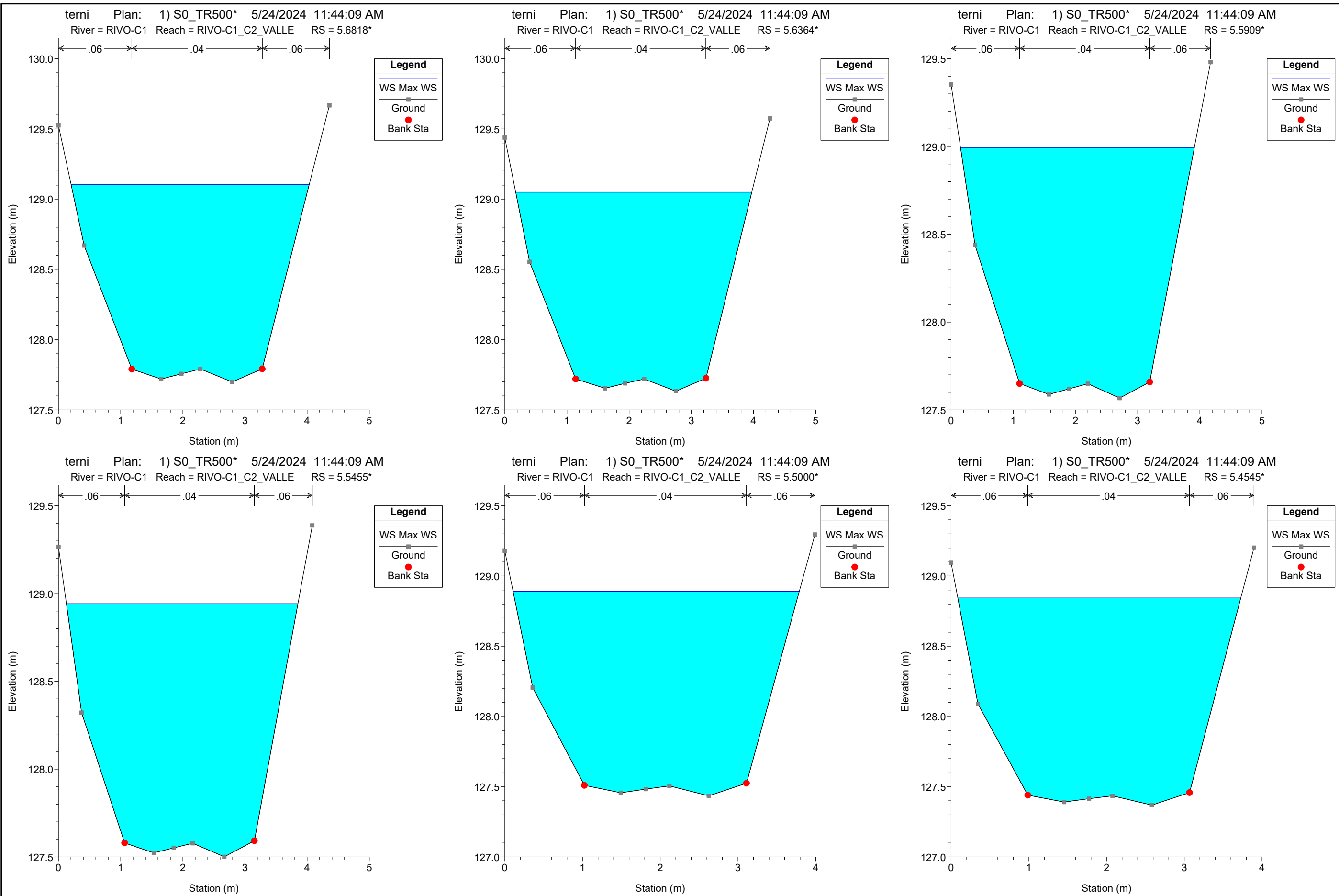


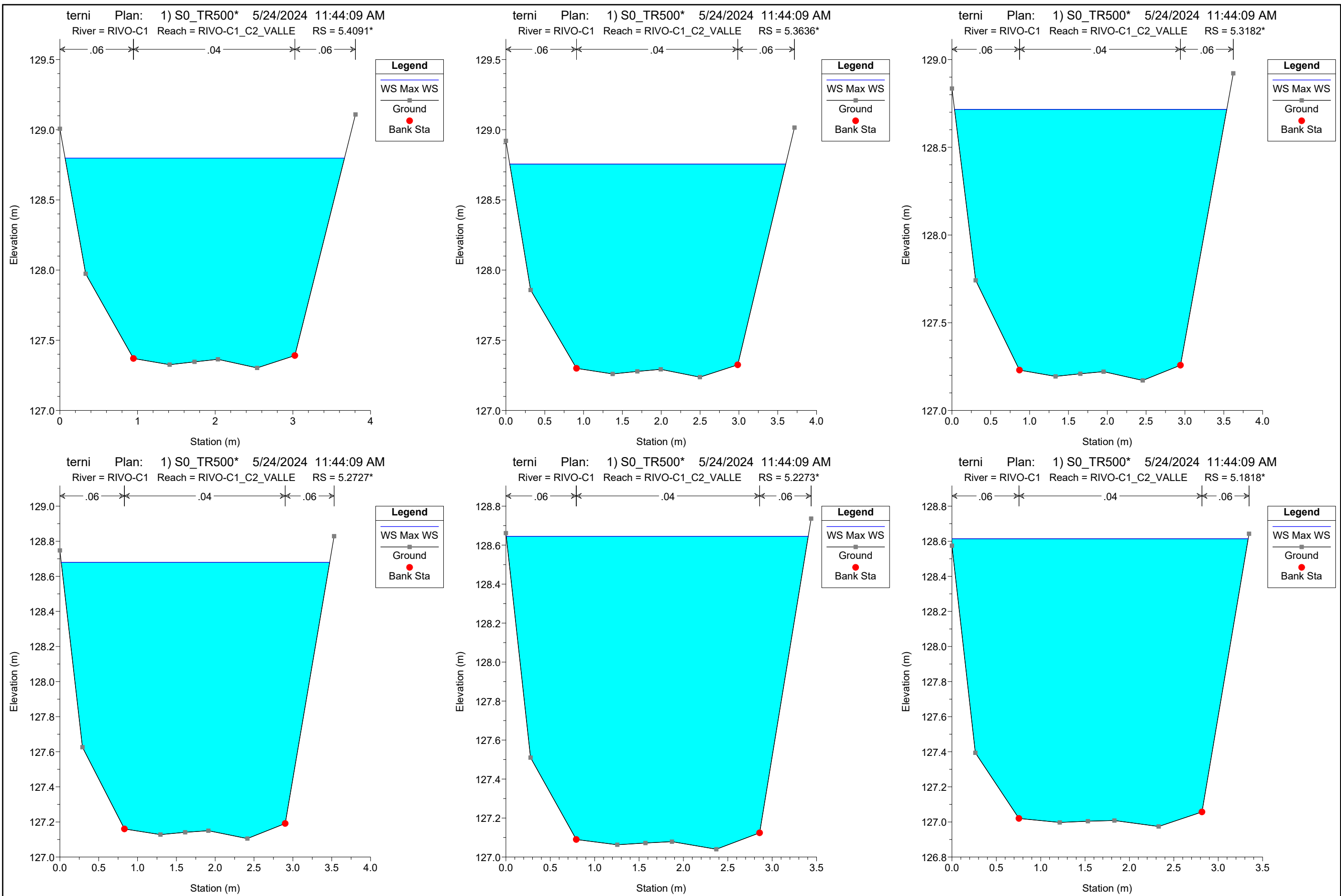


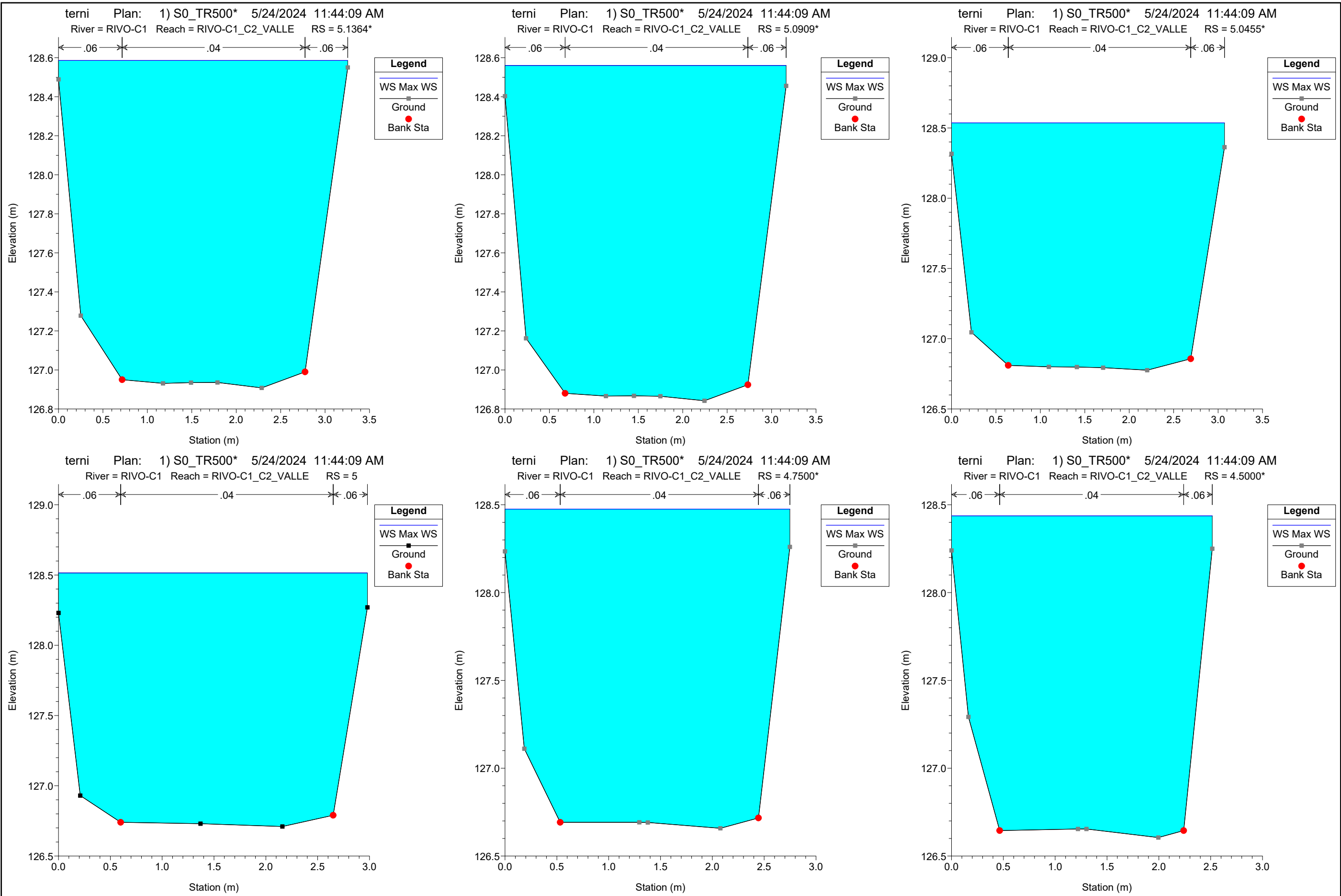


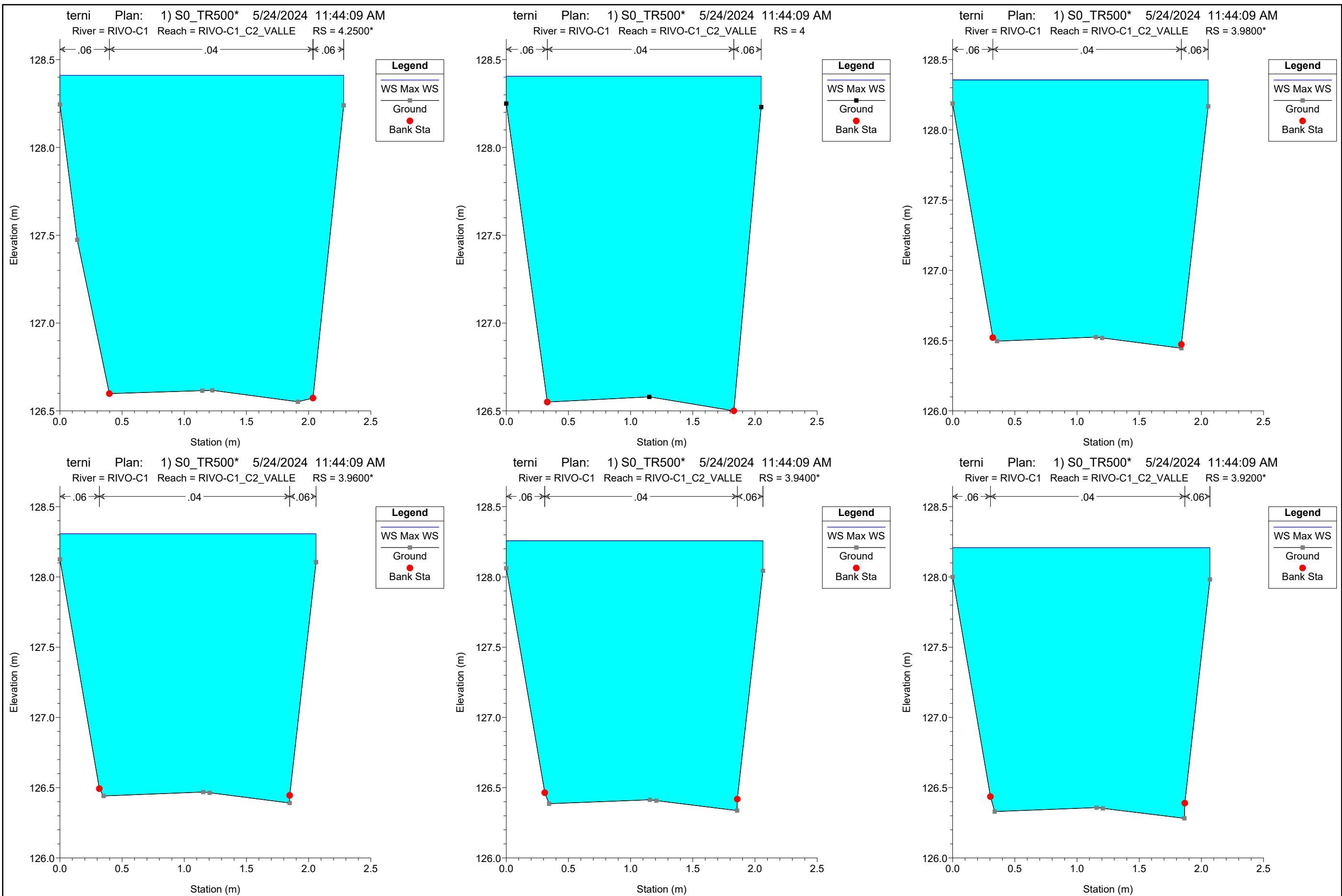


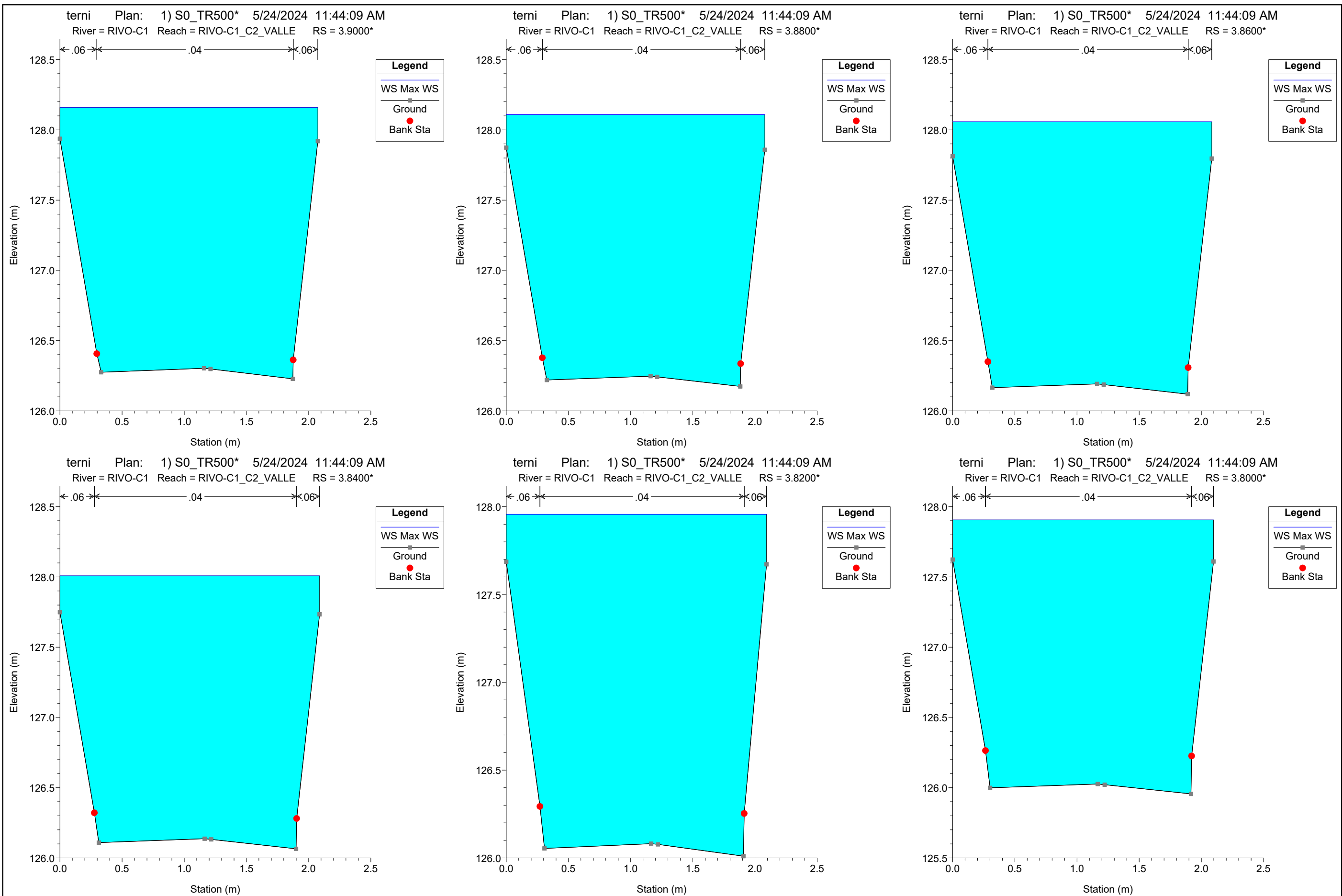


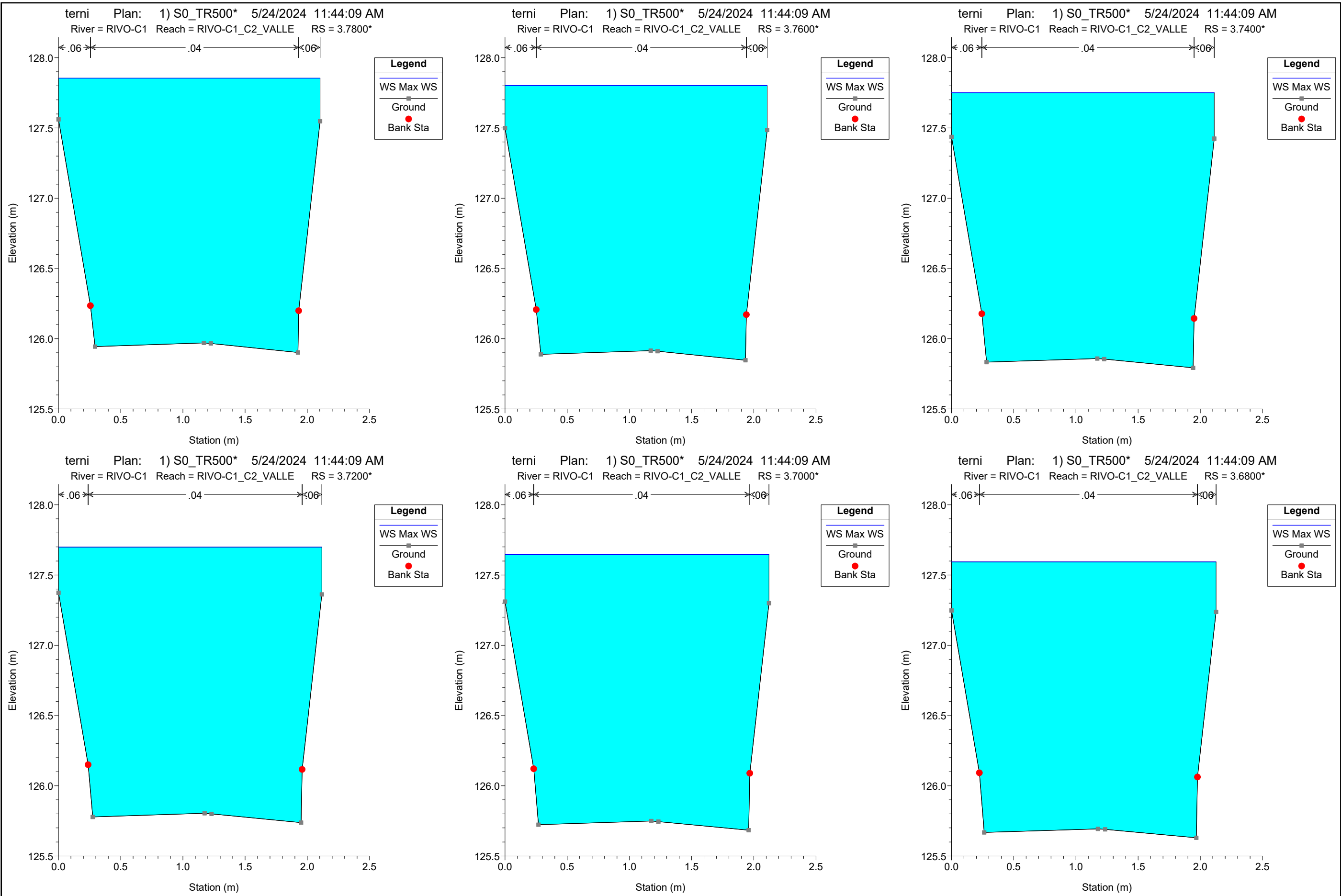


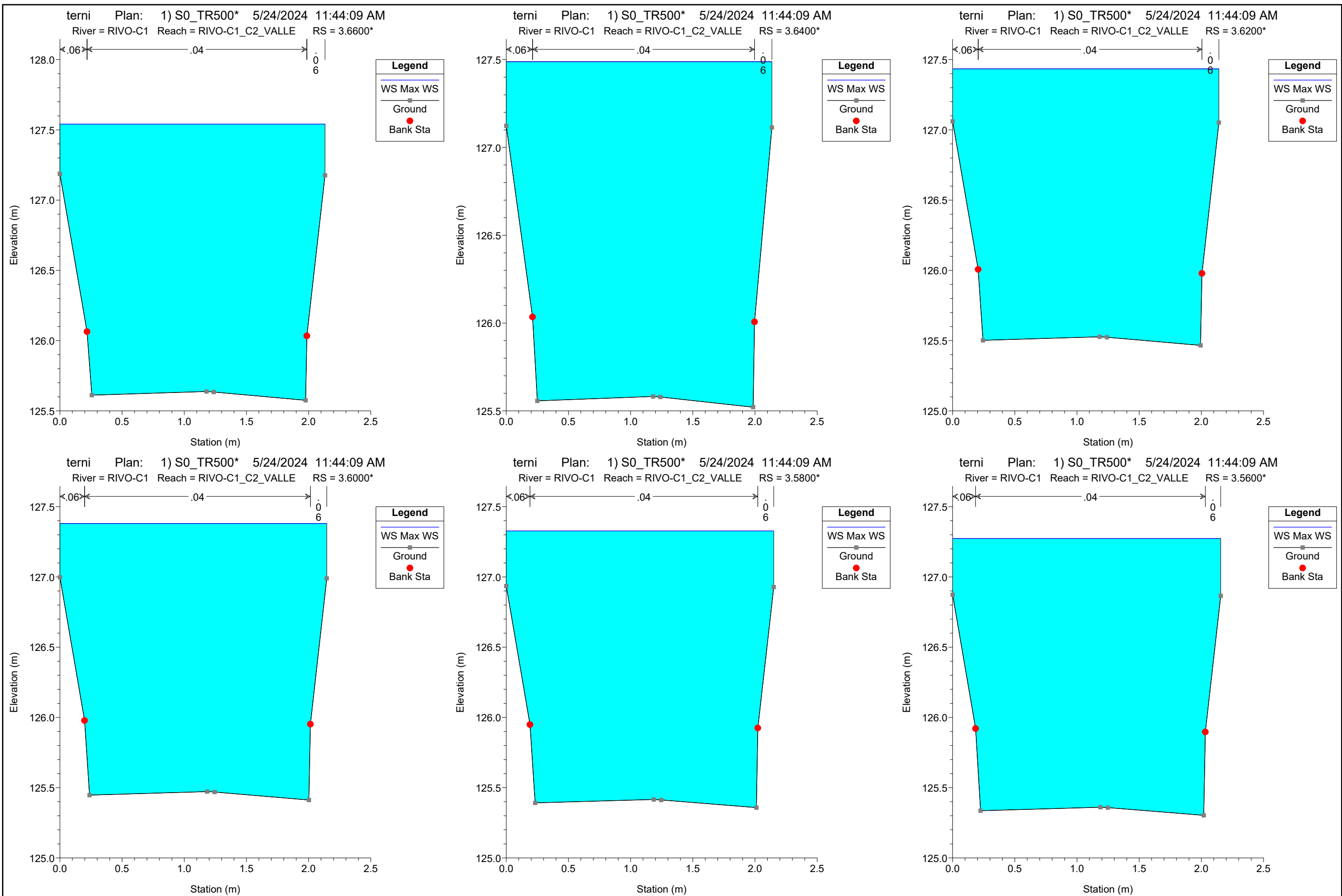


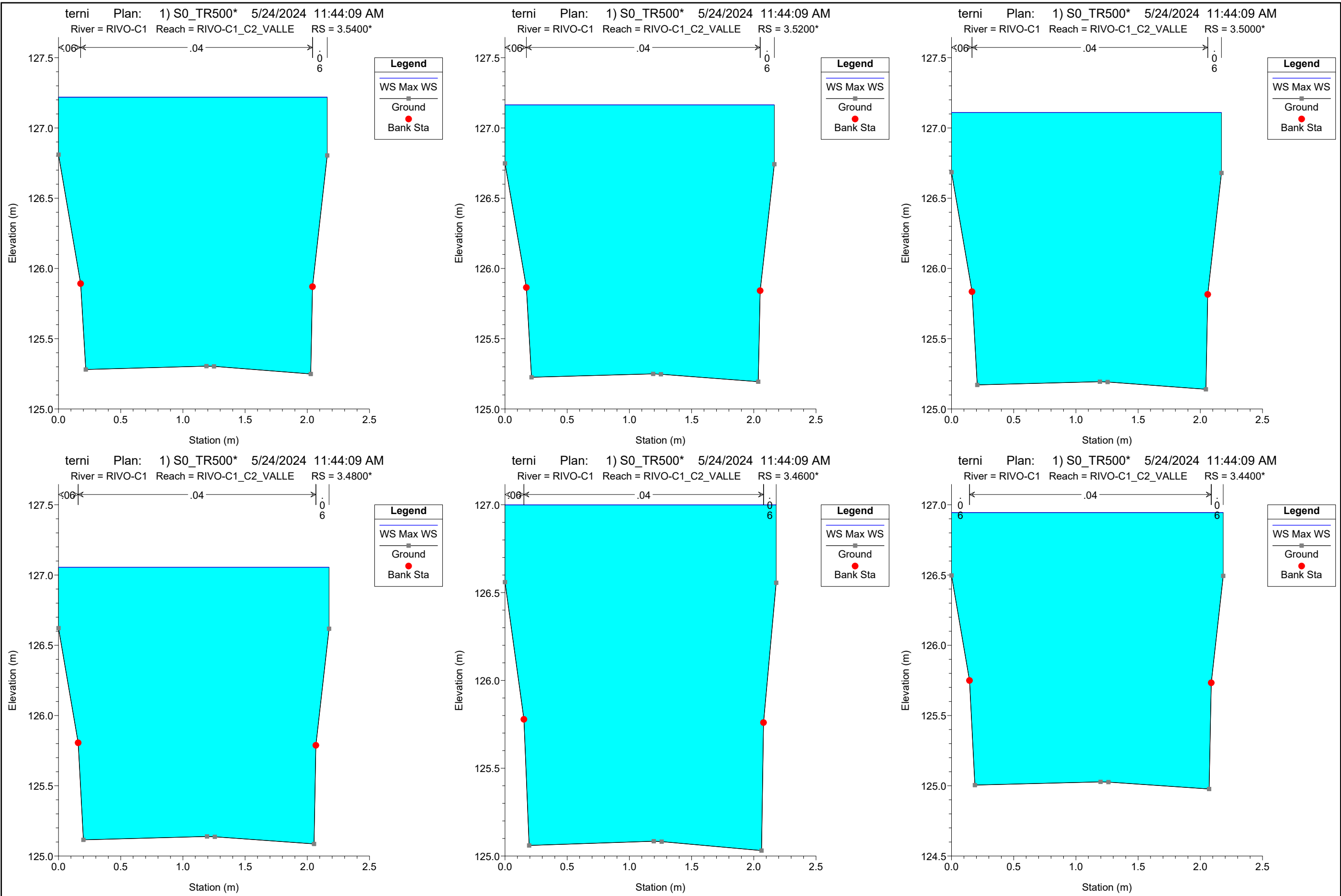


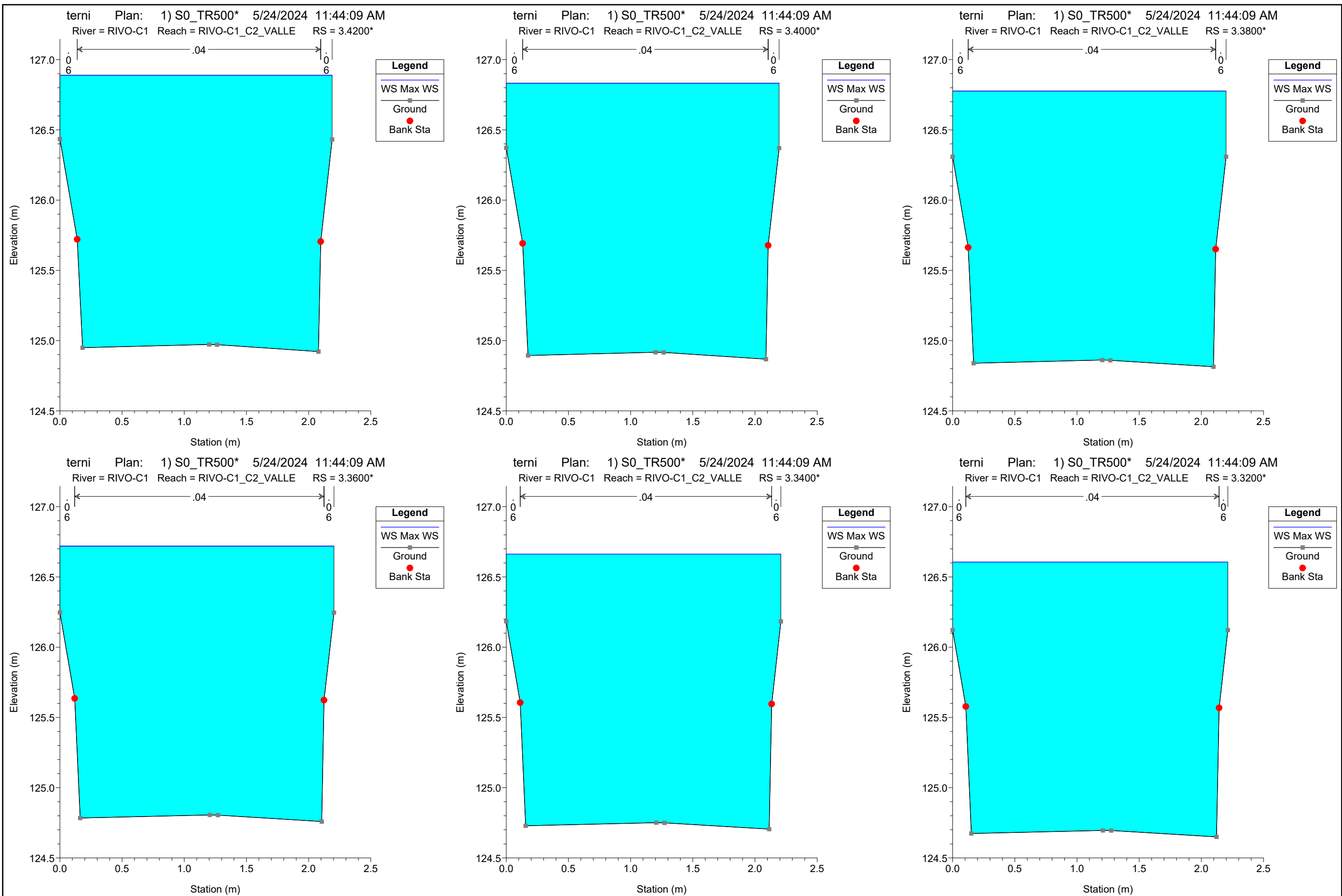


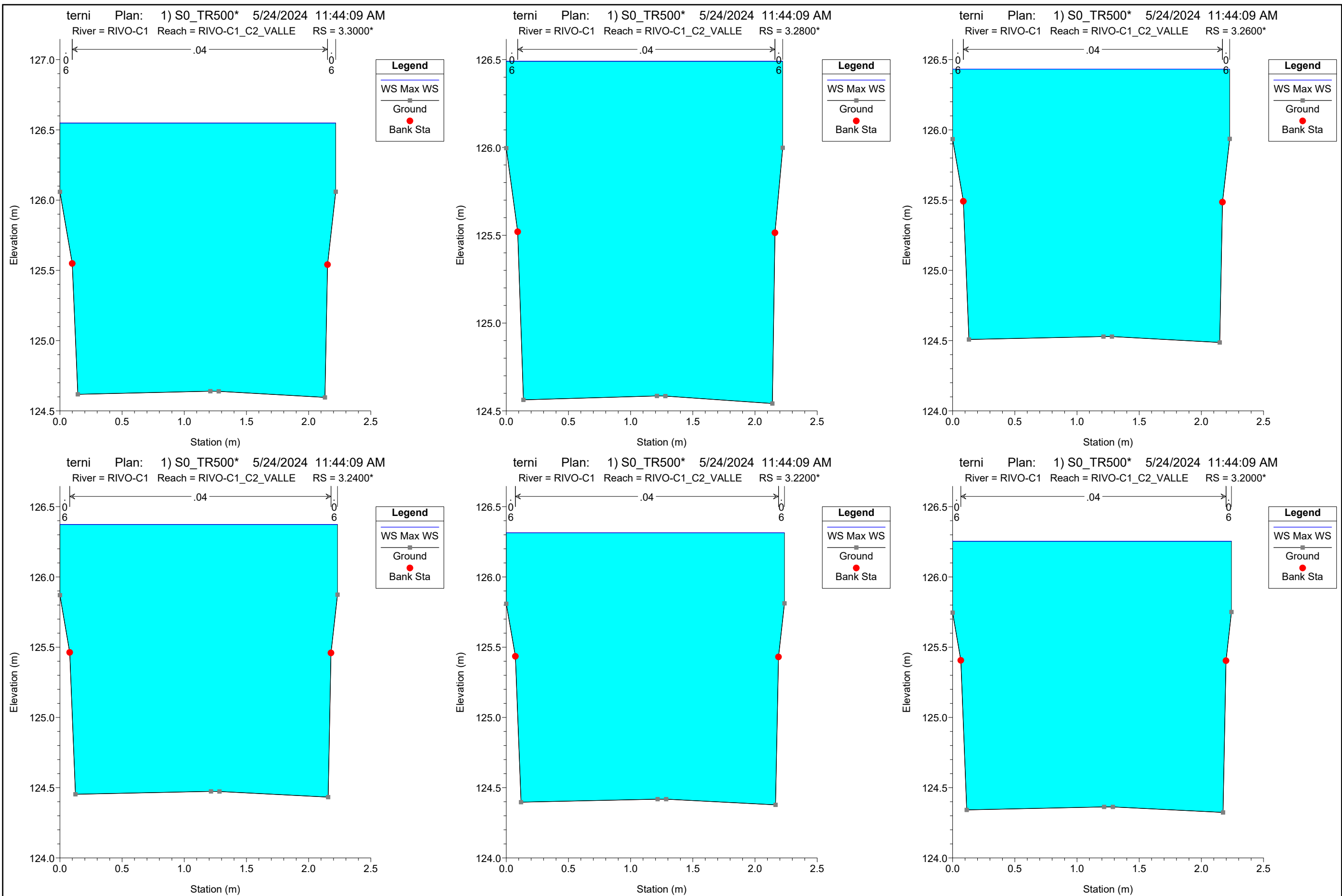


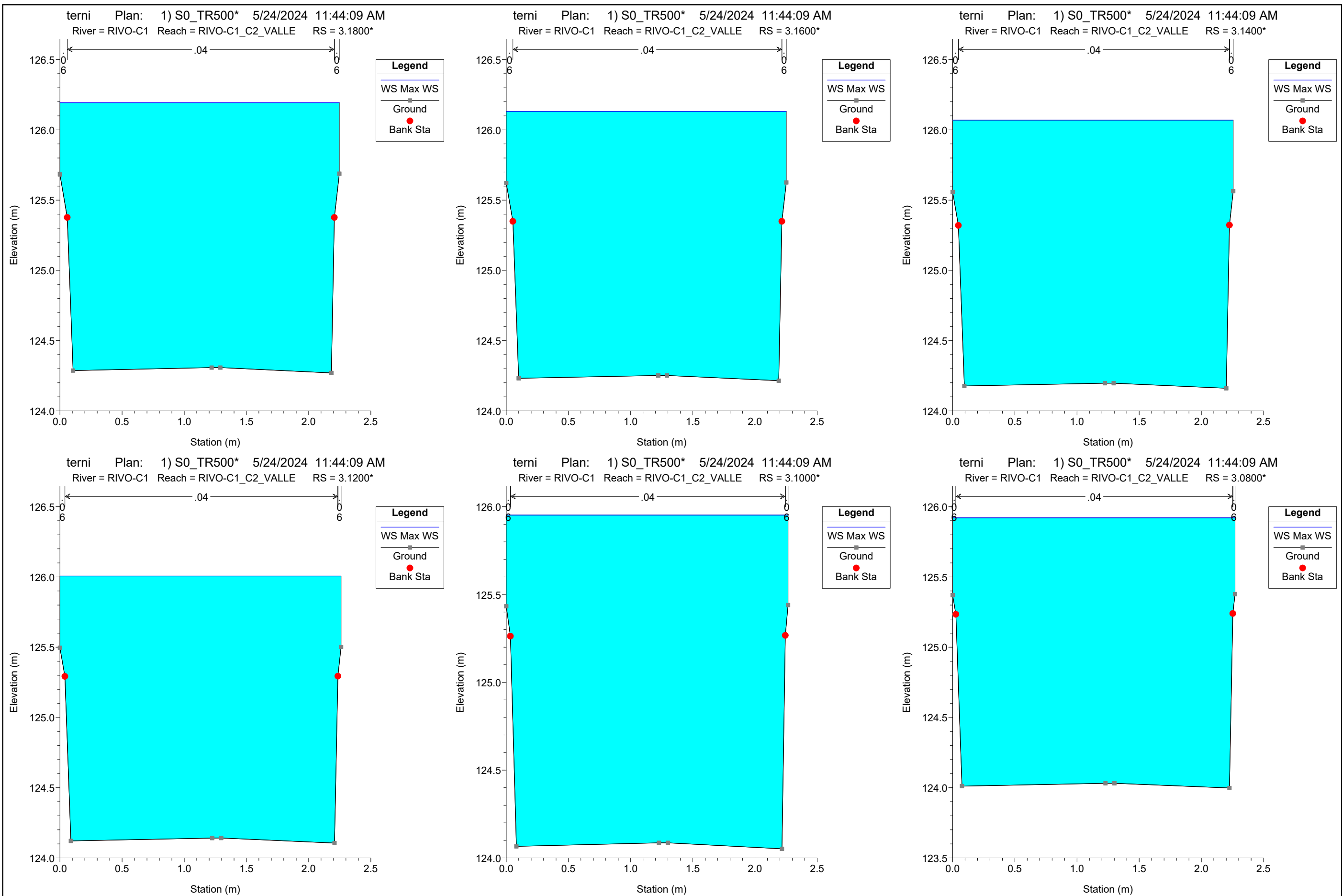


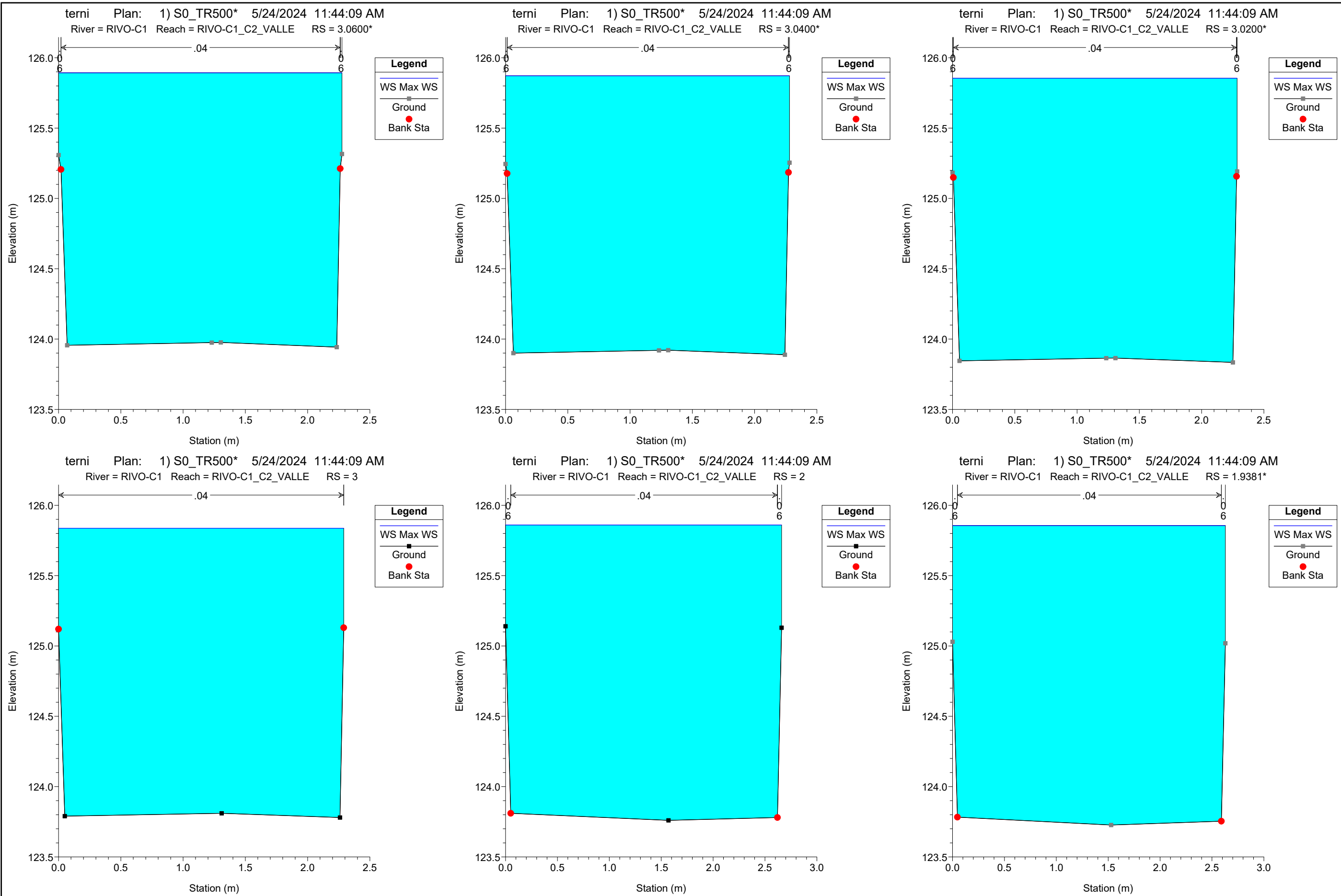


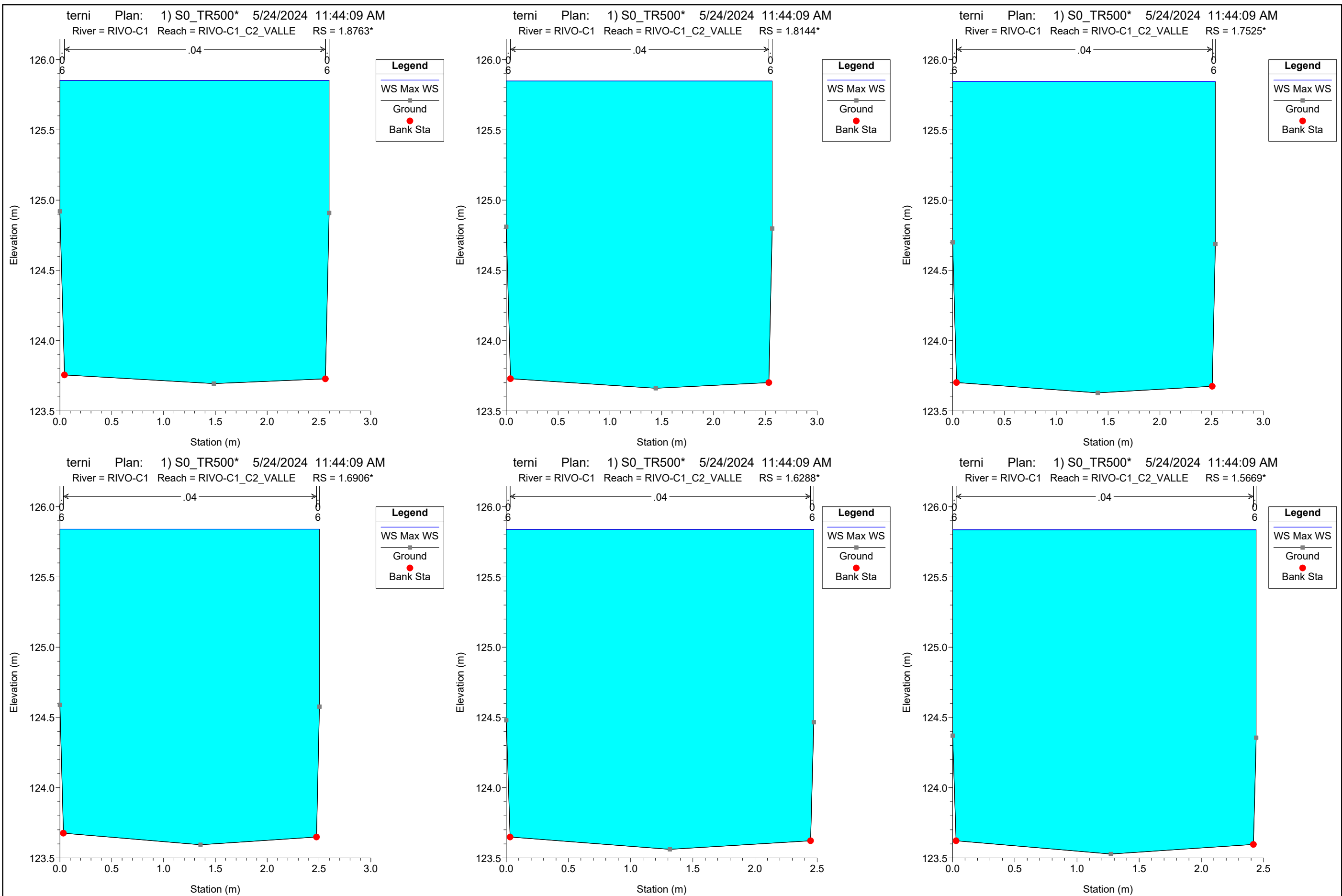


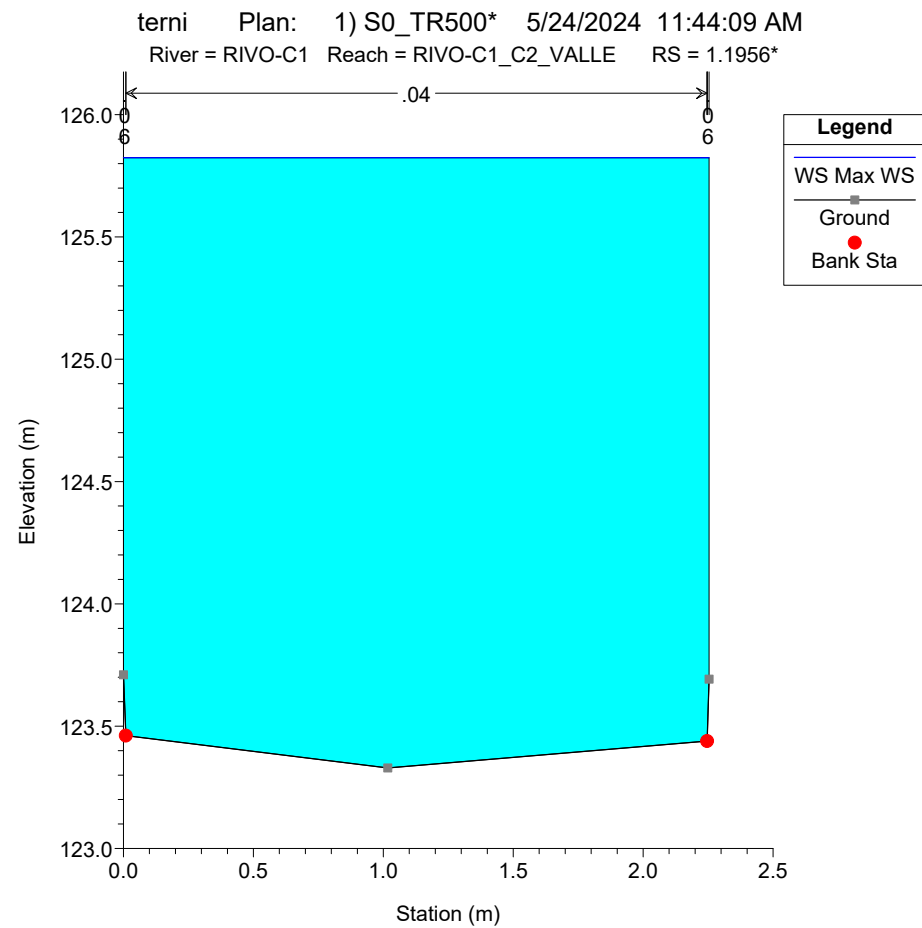
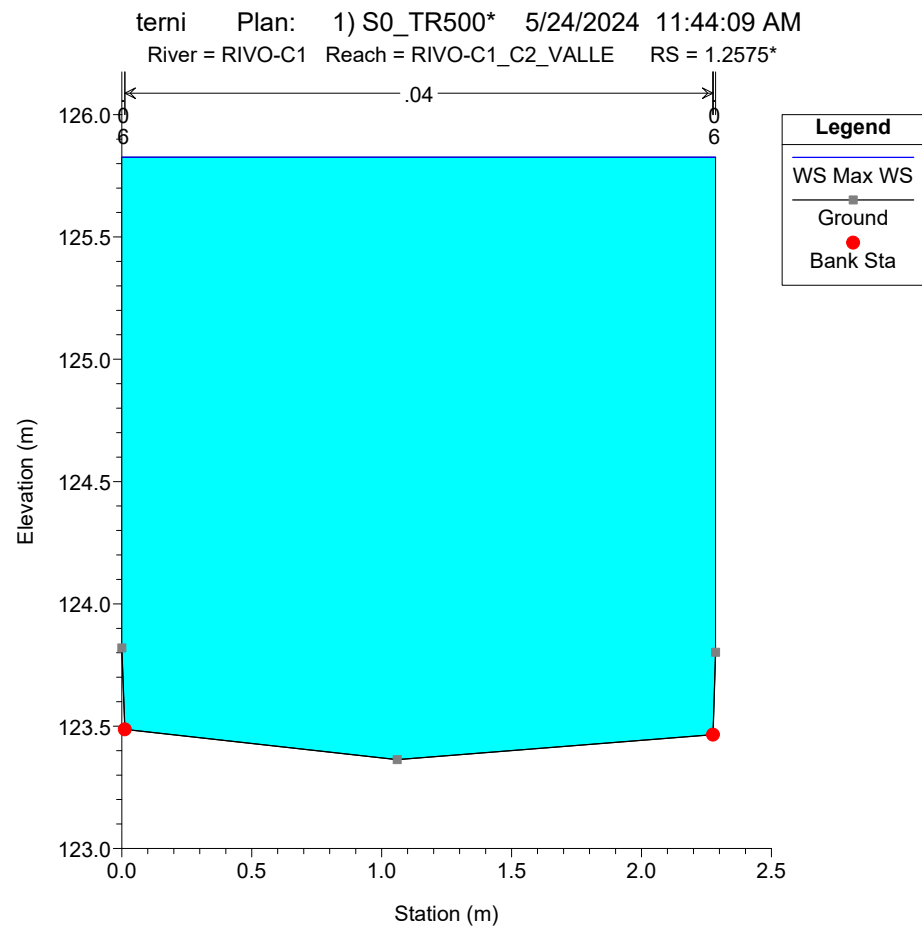
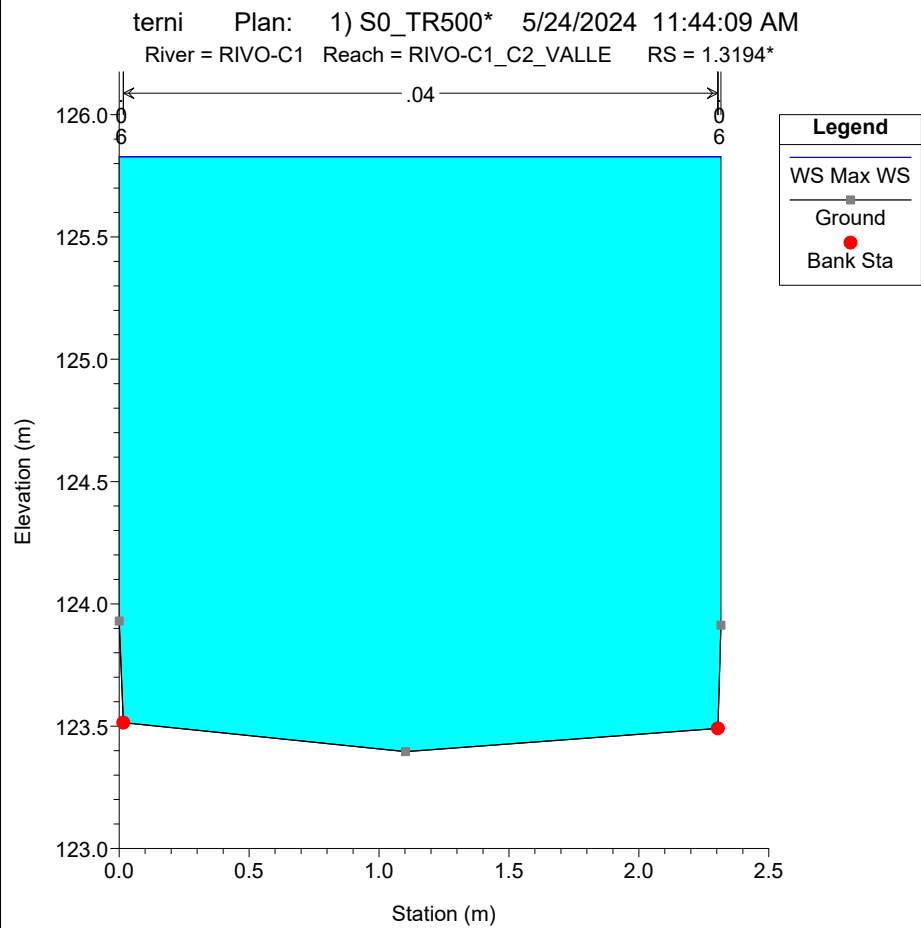
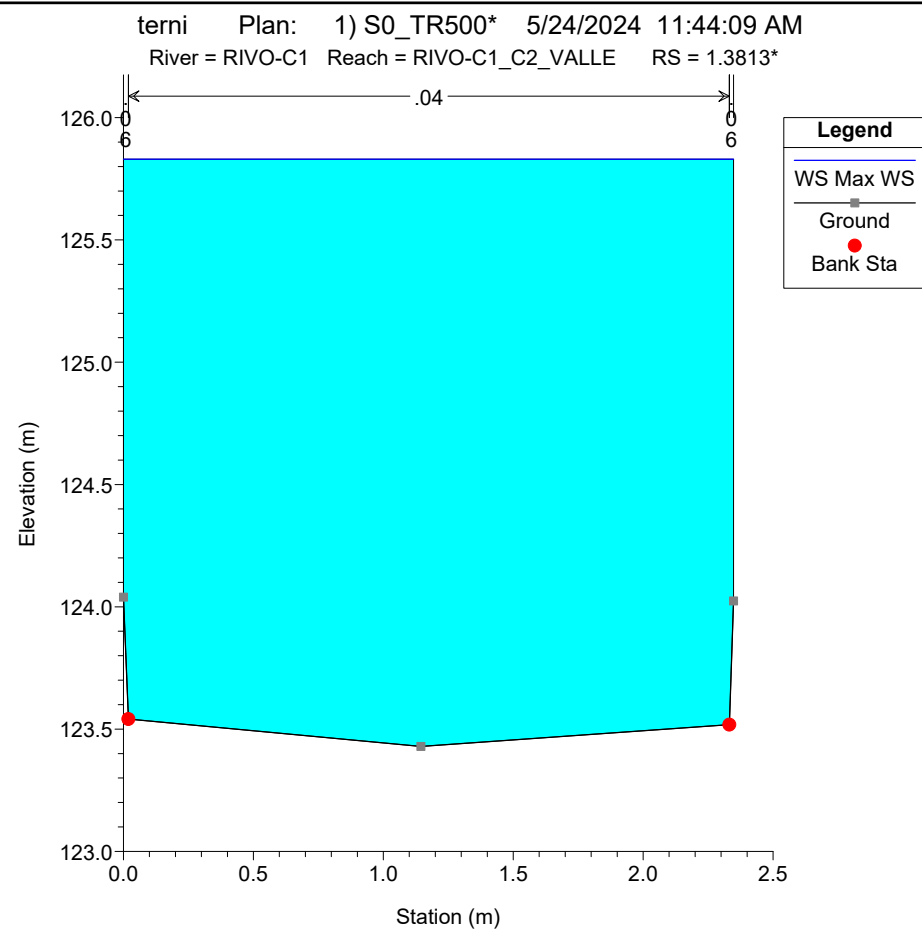
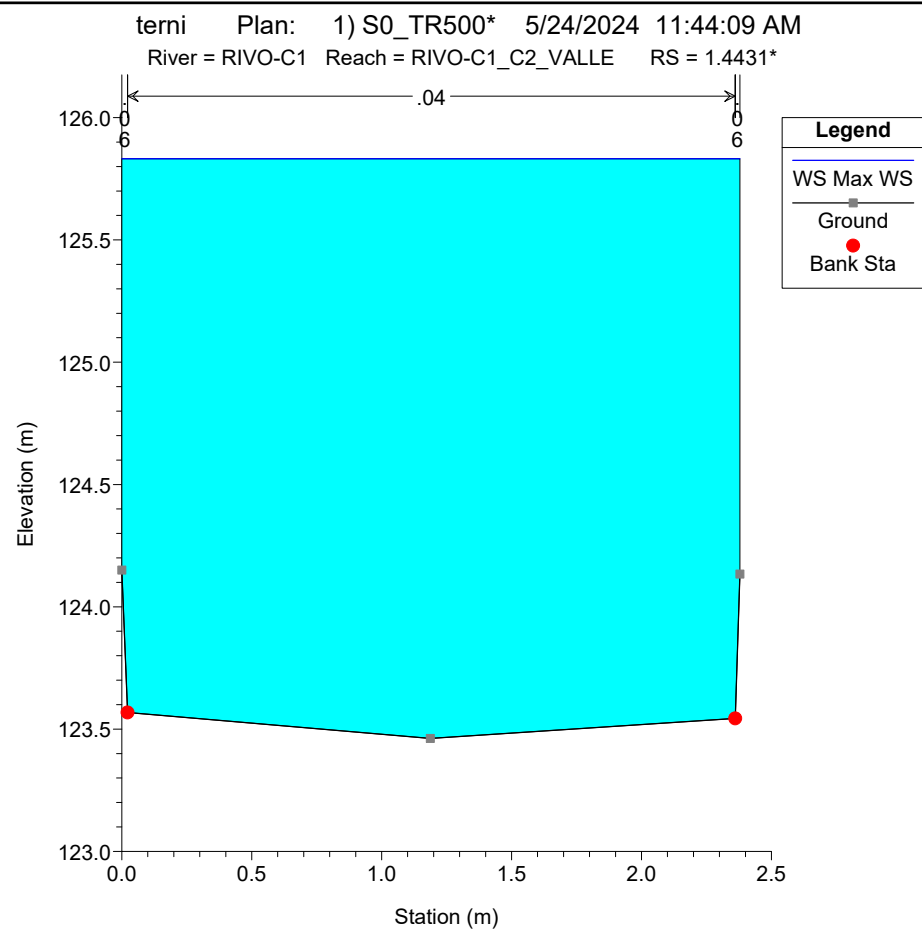
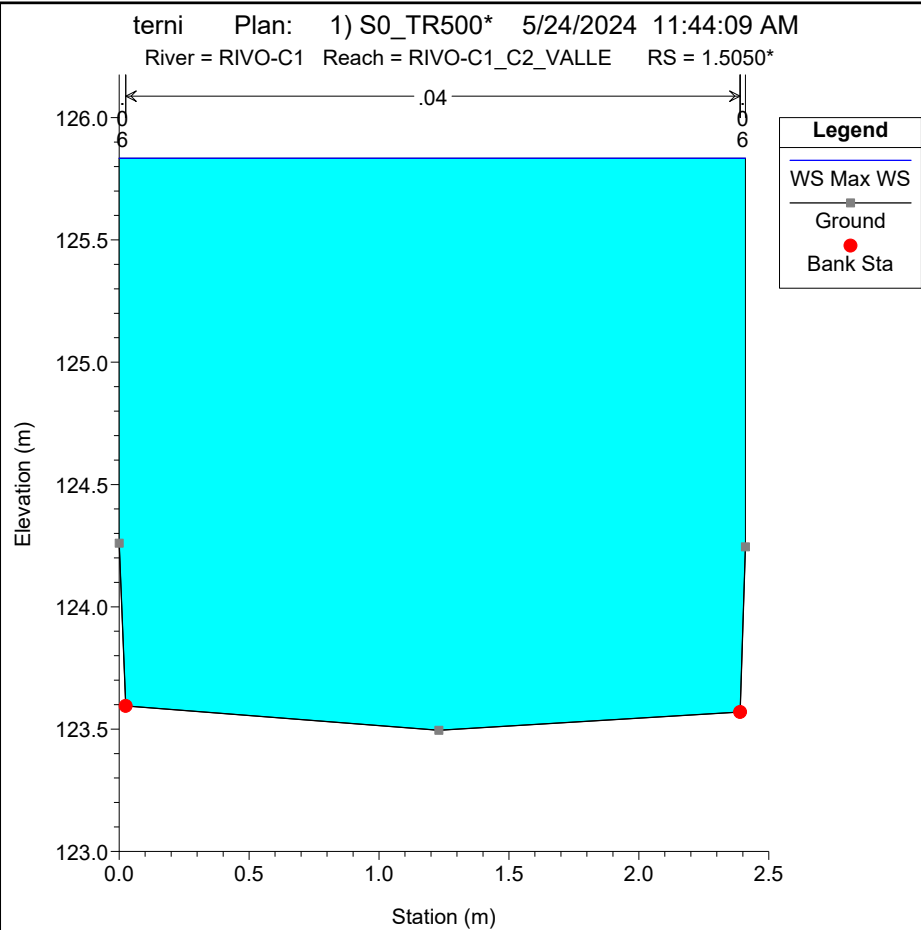


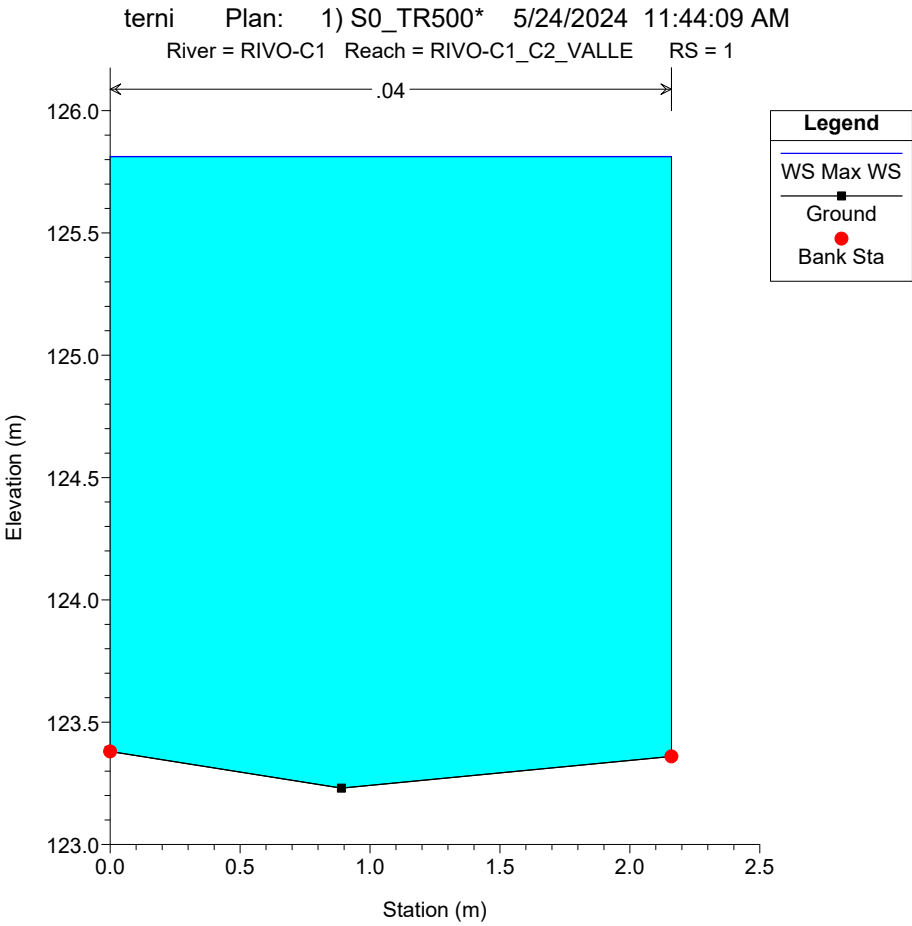
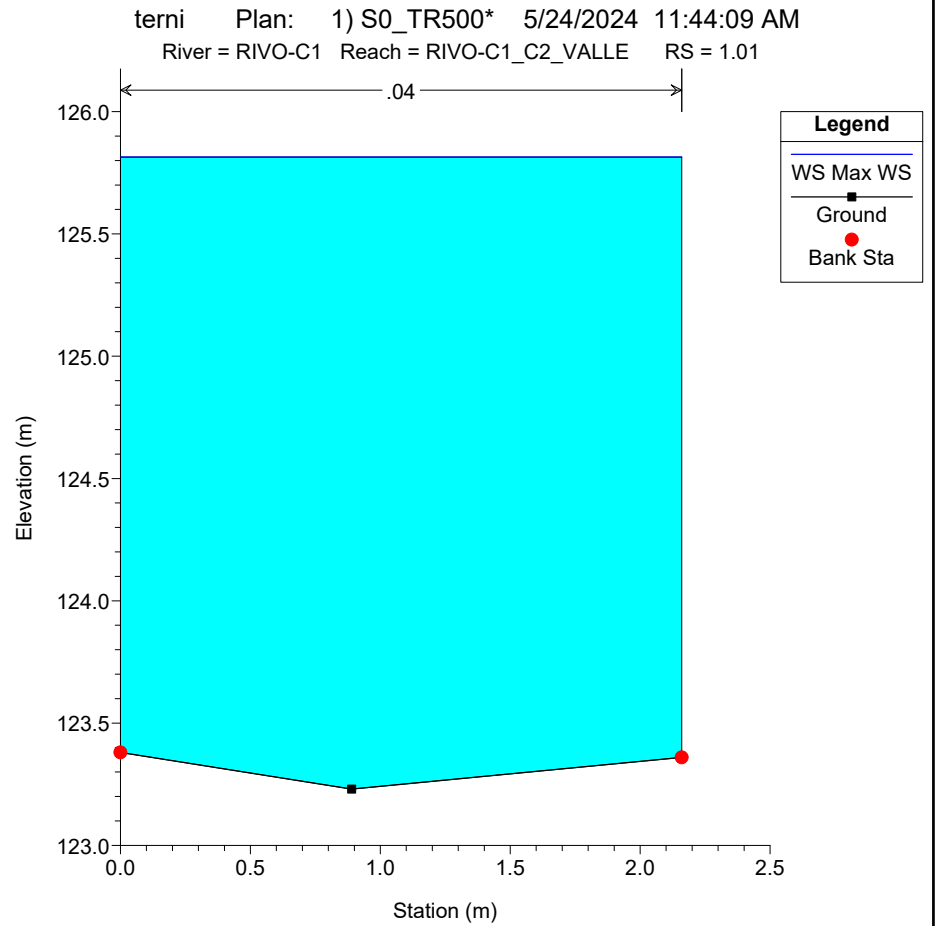
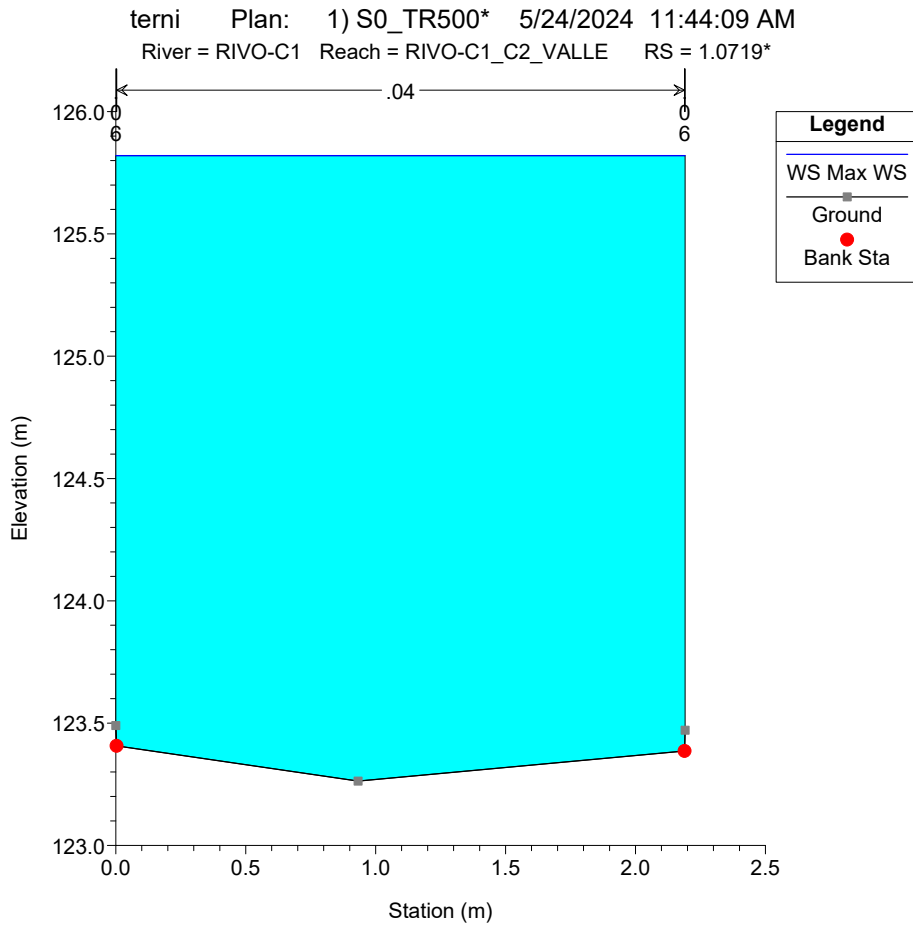
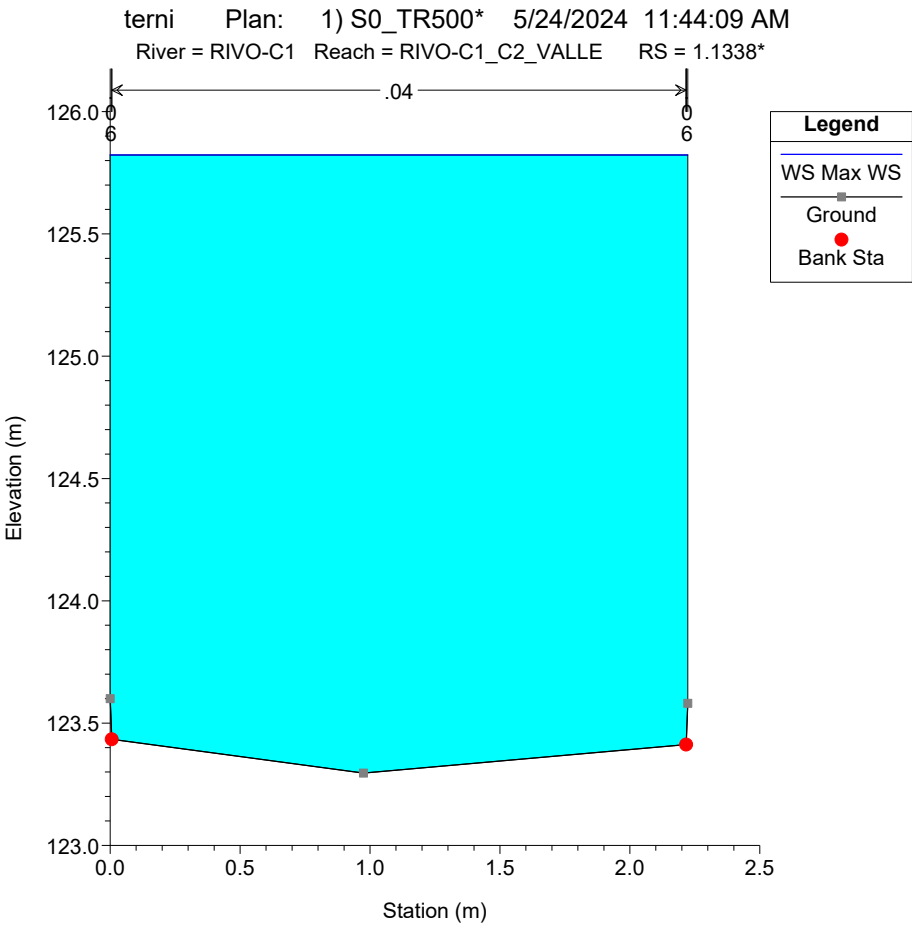












HEC-RAS Plan: S0 TR500* Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.58	128.16	129.53	129.51	130.06	0.013350	3.40	3.94	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.47	129.44	129.99	0.013212	3.39	3.95	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013056	3.39	3.96	3.96	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012837	3.37	3.97	3.94	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.58	127.90	129.28	129.24	129.80	0.012635	3.36	3.99	3.92	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.58	127.83	129.22	129.17	129.73	0.012421	3.35	4.01	3.89	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.58	127.77	129.16	129.10	129.67	0.012165	3.33	4.03	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.59	127.70	129.11	129.04	129.61	0.011900	3.31	4.06	3.83	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.60	127.63	129.05	128.97	129.55	0.011602	3.29	4.08	3.80	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.60	127.57	129.00	128.90	129.48	0.011278	3.27	4.11	3.76	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.60	127.50	128.94		129.42	0.010924	3.24	4.15	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.61	127.44	128.89		129.37	0.010538	3.21	4.18	3.68	0.86
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.61	127.37	128.84		129.31	0.010125	3.18	4.23	3.64	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.62	127.30	128.80		129.25	0.009691	3.14	4.28	3.60	0.83
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.62	127.24	128.76		129.20	0.009211	3.10	4.33	3.55	0.81
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.63	127.17	128.72		129.15	0.008722	3.06	4.39	3.51	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.63	127.10	128.68		129.10	0.008235	3.01	4.45	3.46	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.64	127.04	128.65		129.06	0.007747	2.97	4.52	3.40	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.64	126.97	128.61		129.01	0.007267	2.92	4.58	3.34	0.73
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.65	126.91	128.59		128.97	0.006792	2.87	4.65	3.25	0.71
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.65	126.84	128.56		128.94	0.006335	2.82	4.72	3.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.66	126.78	128.54		128.90	0.005913	2.77	4.78	3.07	0.67
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.66	126.71	128.52		128.87	0.005512	2.72	4.83	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.66	126.66	128.48		128.89	0.006390	2.94	4.42	2.75	0.70
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.66	126.61	128.44		128.94	0.007494	3.20	4.02	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.67	126.55	128.41		129.00	0.008723	3.47	3.65	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.67	126.50	128.41		129.10	0.009911	3.74	3.34	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.67	126.45	128.36		129.04	0.009939	3.70	3.36	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.68	126.39	128.31		128.97	0.010035	3.66	3.39	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.69	126.34	128.26		128.91	0.010129	3.61	3.41	2.06	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.69	126.28	128.21		128.84	0.010250	3.57	3.44	2.07	0.83
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.70	126.23	128.16		128.78	0.010363	3.53	3.46	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.70	126.17	128.11		128.72	0.010454	3.49	3.49	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.71	126.12	128.06		128.65	0.010568	3.45	3.51	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.71	126.07	128.01		128.59	0.010631	3.41	3.53	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.72	126.01	127.96		128.53	0.010725	3.38	3.56	2.09	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.73	125.96	127.91		128.47	0.010794	3.34	3.58	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.73	125.90	127.85		128.40	0.010863	3.31	3.60	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.74	125.85	127.80		128.34	0.010944	3.28	3.62	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.74	125.79	127.75		128.28	0.010974	3.25	3.65	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.75	125.74	127.70		128.22	0.011060	3.22	3.67	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.76	125.68	127.65		128.16	0.011111	3.19	3.69	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.76	125.63	127.59		128.10	0.011158	3.16	3.71	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.77	125.57	127.54		128.03	0.011215	3.13	3.73	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.77	125.52	127.49		127.97	0.011234	3.10	3.75	2.14	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.78	125.47	127.43		127.91	0.011306	3.08	3.77	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.78	125.41	127.38		127.85	0.011348	3.06	3.79	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.79	125.36	127.33		127.79	0.011379	3.03	3.81	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.79	125.30	127.27		127.73	0.011436	3.01	3.83	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.80	125.25	127.22		127.67	0.011451	2.98	3.85	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.81	125.19	127.16		127.61	0.011499	2.96	3.86	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.81	125.14	127.11		127.55	0.011532	2.94	3.88	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.82	125.09	127.06		127.49	0.011566	2.92	3.90	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.82	125.03	127.00		127.43	0.011628	2.90	3.92	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.83	124.98	126.94		127.36	0.011641	2.88	3.93	2.18	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.83	124.92	126.89		127.30	0.011702	2.86	3.95	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.84	124.87	126.83		127.24	0.011737	2.84	3.97	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.84	124.81	126.78		127.18	0.011773	2.83	3.98	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.85	124.76	126.72		127.12	0.011829	2.81	4.00	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.85	124.71	126.66		127.06	0.011865	2.79	4.01	2.21	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.86	124.65	126.61		127.00	0.011939	2.78	4.03	2.21	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.86	124.60	126.55		126.94	0.011984	2.76	4.04	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.87	124.54	126.49		126.87	0.012046	2.75	4.06	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.87	124.49	126.43		126.81	0.012132	2.74	4.07	2.23	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.88	124.43	126.37		126.75	0.012191	2.72	4.08	2.23	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.88	124.38	126.31		126.69	0.012291	2.71	4.09	2.24	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.89	124.32	126.25		126.63	0.012393	2.70	4.10	2.24	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.89	124.27	126.19		126.56	0.012506	2.69	4.11	2.25	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	10.90	124.22	126.13		126.50	0.012649	2.68	4.11	2.25	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	10.90	124.16	126.07		126.43	0.012787	2.68	4.12	2.26	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	10.90	124.11	126.01		126.37	0.012966	2.67	4.12	2.26	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	8.68	124.05	125.95		126.17	0.008257	2.12	4.13	2.27	0.50
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	8.60	124.00	125.91		126.13	0.007757	2.06	4.20	2.27	0.48
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	8.47	123.94	125.88		126.09	0.007184	1.99	4.28	2.28	0.46
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	8.01	123.89	125.86		126.03	0.006073	1.84	4.37	2.28	0.42
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	7.81	123.83	125.84		125.99	0.005416	1.75	4.47	2.29	0.40
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	7.60	123.78	125.82		125.96	0.006768	1.66	4.57	2.29	0.38
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	7.81	123.76	125.84		125.95	0.001312	1.47	5.43	2.66	0.33
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	7.77	123.73	125.84		125.95	0.001274	1.46	5.44	2.63	0.32
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	7.73	123.69	125.84		125.94	0.001237	1.45	5.45	2.60	0.32
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	7.69	123.66	125.83		125.94	0.001201	1.44	5.45	2.57	0.31
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	7.65	123.63	125.83		125.93	0.001168	1.43	5.46	2.54	0.31
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	7.61	123.59	125.82		125.92	0.001135	1.42	5.46	2.50	0.31
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	7.44	123.56	125.82		125.92	0.001068	1.39	5.46	2.47	0.30
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	7.36	123.53	125.81		125.91	0.001027	1.37	5.46	2.44	0.29
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	7.32	123.49	125.81		125.90	0.000999	1.36	5.45	2.41	0.29
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	7.20	123.46	125.81		125.90	0.000951	1.34	5.45	2.38	0.28
RIVO-C1	RIVO-C1_C2_VALLE	1.											

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	48.18	159.20	161.48	161.76	162.51	0.024841	6.35	14.86	13.12	1.37
RIVO	RIVO	85.200*	Max WS	48.18	159.03	161.36	161.62	162.34	0.024101	6.24	15.06	13.13	1.34
RIVO	RIVO	85.100*	Max WS	48.17	158.87	161.24	161.48	162.18	0.023416	6.11	15.28	13.13	1.29
RIVO	RIVO	85	Max WS	48.16	158.71	161.13	161.34	162.01	0.022808	5.94	15.50	13.14	1.24
RIVO	RIVO	84.909*	Max WS	48.09	158.60	161.02	161.23	161.91	0.022634	5.99	15.39	12.75	1.25
RIVO	RIVO	84.818*	Max WS	48.10	158.49	160.91	161.13	161.82	0.022588	6.06	15.27	12.36	1.26
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	48.09	158.38	160.81	161.02	161.73	0.022577	6.13	15.12	11.97	1.27
RIVO	RIVO	84.636*	Max WS	48.02	158.26	160.70	160.91	161.64	0.022580	6.21	14.96	11.58	1.28
RIVO	RIVO	84.545*	Max WS	47.90	158.15	160.59	160.81	161.56	0.022613	6.29	14.77	11.19	1.29
RIVO	RIVO	84.455*	Max WS	47.83	158.04	160.48	160.71	161.48	0.022843	6.41	14.56	10.79	1.32
RIVO	RIVO	84.364*	Max WS	47.87	157.93	160.38	160.61	161.42	0.023317	6.56	14.30	10.40	1.34
RIVO	RIVO	84.273*	Max WS	47.92	157.82	160.26	160.52	161.37	0.024055	6.74	14.00	10.01	1.38
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	47.87	157.70	160.15	160.43	161.32	0.024991	6.95	13.65	9.62	1.42
RIVO	RIVO	84.091*	Max WS	47.80	157.59	160.03	160.34	161.30	0.026356	7.22	13.23	9.23	1.48
RIVO	RIVO	84	Max WS	47.78	157.48	159.90	160.27	161.30	0.028422	7.57	12.72	8.84	1.56
RIVO	RIVO	83.917*	Max WS	47.81	157.36	159.76	160.13	161.15	0.028321	7.52	12.77	8.98	1.55
RIVO	RIVO	83.833*	Max WS	47.84	157.23	159.62	159.99	161.01	0.028281	7.49	12.82	9.12	1.55
RIVO	RIVO	83.750*	Max WS	47.83	157.11	159.48	159.85	160.86	0.028230	7.45	12.86	9.26	1.55
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	47.85	156.99	159.34	159.71	160.72	0.028242	7.41	12.90	9.40	1.55
RIVO	RIVO	83.583*	Max WS	47.85	156.86	159.20	159.58	160.58	0.028368	7.40	12.92	9.54	1.55
RIVO	RIVO	83.500*	Max WS	47.85	156.74	159.06	159.44	160.45	0.028530	7.38	12.93	9.67	1.55
RIVO	RIVO	83.417*	Max WS	47.85	156.62	158.92	159.31	160.31	0.028824	7.37	12.92	9.81	1.56
RIVO	RIVO	83.333*	Max WS	47.84	156.49	158.78	159.17	160.19	0.029291	7.39	12.89	9.95	1.57
RIVO	RIVO	83.250*	Max WS	47.85	156.37	158.63	159.04	160.06	0.030013	7.42	12.82	10.09	1.58
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	47.81	156.25	158.48	158.90	159.95	0.031081	7.48	12.69	10.23	1.61
RIVO	RIVO	83.083*	Max WS	47.80	156.12	158.33	158.77	159.86	0.032834	7.60	12.48	10.37	1.65
RIVO	RIVO	83	Max WS	47.79	156.00	158.16	158.64	159.80	0.035695	7.81	12.15	10.51	1.71
RIVO	RIVO	82.889*	Max WS	47.77	155.89	158.00	158.44	159.52	0.033170	7.16	12.32	10.93	1.61
RIVO	RIVO	82.778*	Max WS	47.71	155.78	157.85	158.26	159.24	0.031006	6.63	12.55	11.35	1.52
RIVO	RIVO	82.667*	Max WS	47.53	155.67	157.72	158.08	158.98	0.028979	6.17	12.82	11.77	1.44
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	46.89	155.56	157.59	157.90	158.71	0.026485	5.71	13.16	12.18	1.36
RIVO	RIVO	82.444*	Max WS	46.81	155.44	157.47	157.74	158.48	0.024580	5.34	13.58	12.61	1.29
RIVO	RIVO	82.333*	Max WS	47.27	155.33	157.36	157.59	158.29	0.023326	5.07	14.06	13.02	1.24
RIVO	RIVO	82.222*	Max WS	47.68	155.22	157.26	157.45	158.11	0.022068	4.83	14.58	13.44	1.20
RIVO	RIVO	82.111*	Max WS	47.76	155.11	157.16	157.31	157.93	0.020473	4.56	15.16	13.86	1.14
RIVO	RIVO	82	Max WS	47.43	155.00	157.07	157.16	157.75	0.018470	4.26	15.83	14.28	1.08
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.901		Lat Struct									
RIVO	RIVO	81.900*	Max WS	47.01	154.86	156.98	157.04	157.64	0.016636	4.21	15.99	13.32	1.04
RIVO	RIVO	81.800*	Max WS	46.77	154.73	156.91	156.91	157.55	0.015260	4.21	16.06	12.37	1.00
RIVO	RIVO	81.700*	Max WS	46.62	154.59	156.83	156.80	157.48	0.014311	4.25	16.02	11.41	0.99
RIVO	RIVO	81.600*	Max WS	46.48	154.46	156.76	156.70	157.43	0.013833	4.36	15.79	10.46	0.98
RIVO	RIVO	81.500*	Max WS	46.23	154.32	156.69	156.62	157.40	0.013864	4.54	15.33	9.50	1.00
RIVO	RIVO	81.400*	Max WS	45.94	154.18	156.61	156.55	157.40	0.014557	4.84	14.62	8.54	1.04
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	45.64	154.05	156.53	156.50	157.45	0.016042	5.27	13.71	7.59	1.11
RIVO	RIVO	81.200*	Max WS	45.16	153.91	156.44	156.50	157.57	0.018773	5.92	12.56	6.63	1.22
RIVO	RIVO	81.100*	Max WS	44.55	153.78	156.33	156.56	157.83	0.024191	6.95	11.11	5.68	1.41
RIVO	RIVO	81	Max WS	44.04	153.64	156.18	156.72	158.48	0.036909	8.81	9.31	4.72	1.78
RIVO	RIVO	80.923*	Max WS	43.64	153.53	156.01	156.47	158.01	0.034017	8.30	9.71	5.16	1.70
RIVO	RIVO	80.846*	Max WS	43.87	153.42	155.85	156.27	157.66	0.032421	7.97	10.10	5.59	1.65
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	44.34	153.31	155.70	156.08	157.39	0.031494	7.73	10.47	6.03	1.62
RIVO	RIVO	80.692*	Max WS	44.30	153.20	155.55	155.91	157.11	0.030110	7.46	10.81	6.46	1.57
RIVO	RIVO	80.615*	Max WS	44.20	153.09	155.41	155.74	156.85	0.028812	7.20	11.15	6.90	1.53
RIVO	RIVO	80.538*	Max WS	44.41	152.98	155.27	155.58	156.64	0.028046	7.03	11.48	7.33	1.50
RIVO	RIVO	80.462*	Max WS	44.70	152.87	155.14	155.43	156.44	0.027527	6.89	11.79	7.77	1.48
RIVO	RIVO	80.385*	Max WS	45.13	152.76	155.01	155.31	156.27	0.027373	6.80	12.07	8.20	1.47
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	44.81	152.65	154.88	155.16	156.08	0.026413	6.61	12.35	8.64	1.44
RIVO	RIVO	80.231*	Max WS	44.55	152.54	154.75	155.02	155.89	0.025536	6.45	12.62	9.07	1.41
RIVO	RIVO	80.154*	Max WS	44.28	152.43	154.63	154.88	155.71	0.024582	6.28	12.90	9.51	1.38
RIVO	RIVO	80.077*	Max WS	42.41	152.32	154.52	154.71	155.46	0.021780	5.88	13.23	9.94	1.30
RIVO	RIVO	80	Max WS	43.36	152.21	154.40	154.73	155.75	0.028919	6.73	11.15	7.74	1.49
RIVO	RIVO	79.875*	Max WS	43.73	152.06	154.29	154.50	155.28	0.022177	6.01	13.37	9.93	1.32
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	43.85	151.91	154.19	154.39	155.19	0.020998	6.00	13.42	9.49	1.29
RIVO	RIVO	79.625*	Max WS	43.83	151.76	154.10	154.27	155.10	0.019770	5.98	13.46	9.04	1.27
RIVO	RIVO	79.500*	Max WS	43.78	151.61	154.02	154.16	155.02	0.018629	5.95	13.49	8.59	1.24
RIVO	RIVO	79.375*	Max WS	43.55	151.46	153.94	154.05	154.94	0.017481	5.92	13.50	8.14	1.21
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	42.92	151.31	153.86	153.94	154.85	0.016176	5.85	13.48	7.69	1.18
RIVO	RIVO	79.125*	Max WS	42.76	151.16	153.79	153.84	154.80	0.015452	5.87	13.41	7.25	1.16
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	42.84	151.01	153.71	153.75	154.78	0.015250	5.96	13.23	6.80	1.16
RIVO	RIVO	78.500*	Max WS	42.83	150.90	153.73	153.50	154.49	0.010178	4.97	15.16	7.21	0.95
RIVO	RIVO	78	Max WS	42.64	150.76	153.61		154.33	0.006676	4.10	17.55	7.63	0.77
RIVO	RIVO	77.500*	Max WS	42.21	150.73	153.92		154.24	0.004601	3.60	22.85	11.20	0.65
RIVO	RIVO	77	Max WS	41.52	150.69	153.99		154.20	0.003414	3.23	28.13	14.77	0.57
RIVO	RIVO	76.750*	Max WS	40.40	150.72	153.98		154.19	0.003622	3.30	26.48	13.39	0.58
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	39.18	150.74	153.96		154.19	0.003883	3.39	24.68	12.00	0.60
RIVO	RIVO	76.250*	Max WS	37.81	150.77	153.94		154.19	0.004218	3.50	22.74	10.62	0.63
RIVO	RIVO	76.05		Lat Struct									
RIVO	RIVO	76	Max WS	36.63	1								

HEC-RAS Plan: S0_TR500* Profile: Max WS (Continued)

EC-RAS Plan: S0_TR500* Profile: Max WS (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
RIVO	RIVO	74.668		Lat Struct									
RIVO	RIVO	74.667*	Max WS	27.70	150.12	154.02		154.16	0.001251	2.17	23.87	7.70	0.35
RIVO	RIVO	74.333*	Max WS	25.41	150.05	154.05		154.15	0.000836	1.81	26.12	8.11	0.29
RIVO	RIVO	74	Max WS	23.00	149.97	154.08	151.83	154.15	0.000554	1.50	28.38	8.53	0.24
RIVO	RIVO	73.50 Strada Vicinale		Bridge									
RIVO	RIVO	73	Max WS	19.44	149.54	153.38		153.44	0.000327	1.10	17.79	4.69	0.18
RIVO	RIVO	72.63		Lat Struct									
RIVO	RIVO	72.5		Lat Struct									
RIVO	RIVO	72	Max WS	19.50	149.54	153.38	150.78	153.44	0.000328	1.11	17.85	4.71	0.18
RIVO	RIVO	71.50 Strada Vicinale		Bridge									
RIVO	RIVO	71	Max WS	19.21	149.21	153.33		153.39	0.000304	1.08	18.24	4.70	0.17
RIVO	RIVO	70.6		Lat Struct									
RIVO	RIVO	70.5		Lat Struct									
RIVO	RIVO	70	Max WS	20.35	149.00	153.36		153.37	0.000106	0.66	59.84	22.11	0.10
RIVO	RIVO	69.936		Lat Struct									
RIVO	RIVO	69.834		Lat Struct									
RIVO	RIVO	69.833*	Max WS	20.95	148.95	153.36		153.37	0.000090	0.62	61.04	22.19	0.10
RIVO	RIVO	69.667*	Max WS	21.57	148.90	153.36		153.37	0.000077	0.58	62.58	22.28	0.09
RIVO	RIVO	69.500*	Max WS	22.23	148.85	153.36		153.37	0.000066	0.54	64.46	22.36	0.08
RIVO	RIVO	69.333*	Max WS	22.92	148.80	153.36		153.37	0.000056	0.51	66.67	22.44	0.06
RIVO	RIVO	69	Max WS	24.15	148.68	153.36	149.51	153.37	0.000039	0.44	72.14	22.61	0.08
RIVO	RIVO	68.50 Strada Vicinale		Bridge									
RIVO	RIVO	68	Max WS	24.15	148.30	153.33		153.34	0.000055	0.54	65.45	19.69	0.08
RIVO	RIVO	67.6		Lat Struct									
RIVO	RIVO	67.5		Lat Struct									
RIVO	RIVO	67	Max WS	31.07	147.90	153.32	150.34	153.34	0.000077	0.67	94.03	32.00	0.09
RIVO	RIVO	66.50 Ferrovia		Bridge									
RIVO	RIVO	66	Max WS	31.07	147.32	149.16	149.95	151.85	0.041788	7.26	4.28	7.40	1.78
RIVO	RIVO	65.931		Lat Struct									
RIVO	RIVO	65.930		Lat Struct									
RIVO	RIVO	65.929*	Max WS	31.52	147.19	149.00	149.58	150.63	0.027073	5.83	6.57	5.38	1.43
RIVO	RIVO	65.857*	Max WS	31.99	147.06	148.87	149.48	150.44	0.026017	5.75	7.01	6.46	1.41
RIVO	RIVO	65.786*	Max WS	31.98	146.93	148.76	149.16	150.20	0.023875	5.57	7.51	7.56	1.35
RIVO	RIVO	65.714*	Max WS	31.90	146.79	148.65	149.05	149.96	0.021359	5.34	8.11	8.68	1.28
RIVO	RIVO	65.643*	Max WS	31.75	146.66	148.56	148.90	149.70	0.018405	5.04	8.87	9.82	1.20
RIVO	RIVO	65.571*	Max WS	31.54	146.53	148.48	148.75	149.44	0.015229	4.69	9.86	10.99	1.09
RIVO	RIVO	65.506		Lat Struct									
RIVO	RIVO	65.501		Lat Struct									
RIVO	RIVO	65.500*	Max WS	31.27	146.40	148.41	148.60	149.19	0.012083	4.29	11.14	12.18	0.98
RIVO	RIVO	65.429*	Max WS	30.97	146.27	148.36	148.44	148.98	0.009264	3.88	12.74	13.41	0.87
RIVO	RIVO	65.357*	Max WS	30.63	146.14	148.33	148.30	148.79	0.008663	3.45	14.70	14.66	0.75
RIVO	RIVO	65.286*	Max WS	30.24	146.01	148.36		148.66	0.004394	2.91	17.94	16.04	0.61
RIVO	RIVO	65.214*	Max WS	29.73	145.87	148.40		148.60	0.002761	2.43	21.80	17.45	0.49
RIVO	RIVO	65.143*	Max WS	29.11	145.74	148.43		148.57	0.001799	2.05	25.87	18.83	0.40
RIVO	RIVO	65.076		Lat Struct									
RIVO	RIVO	65.075		Lat Struct									
RIVO	RIVO	65.071*	Max WS	28.50	145.60	148.46		148.55	0.001220	1.75	30.07	20.19	0.33
RIVO	RIVO	65	Max WS	27.87	145.46	148.47	147.34	148.54	0.000848	1.52	34.50	21.54	0.28
RIVO	RIVO	64.50 Passerella Pedon		Bridge									
RIVO	RIVO	64	Max WS	27.87	145.29	147.02	147.32	148.32	0.020791	5.16	6.24	14.99	1.26
RIVO	RIVO	63.940		Lat Struct									
RIVO	RIVO	63.939		Lat Struct									
RIVO	RIVO	63.938*	Max WS	27.99	145.19	146.92	147.36	148.21	0.020664	5.15	7.00	15.10	1.26
RIVO	RIVO	63.875*	Max WS	28.09	145.09	146.82	147.26	148.11	0.020697	5.16	7.06	15.20	1.26
RIVO	RIVO	63.813*	Max WS	28.19	144.99	146.72	147.16	148.01	0.020710	5.16	7.14	15.34	1.26
RIVO	RIVO	63.750*	Max WS	28.29	144.89	146.62	147.07	147.91	0.020751	5.17	7.20	15.37	1.26
RIVO	RIVO	63.688*	Max WS	28.39	144.79	146.52	146.97	147.82	0.020782	5.18	7.26	15.45	1.26
RIVO	RIVO	63.625*	Max WS	28.47	144.69	146.42	146.87	147.71	0.020786	5.18	7.33	15.54	1.26
RIVO	RIVO	63.566		Lat Struct									
RIVO	RIVO	63.565		Lat Struct									
RIVO	RIVO	63.563*	Max WS	28.54	144.59	146.33	146.77	147.61	0.020809	5.18	7.39	15.61	1.26
RIVO	RIVO	63.500*	Max WS	28.61	144.50	146.23	146.67	147.51	0.020823	5.19	7.46	15.70	1.26
RIVO	RIVO	63.438*	Max WS	28.66	144.40	146.13	146.57	147.41	0.020816	5.19	7.52	15.78	1.26
RIVO	RIVO	63.375*	Max WS	28.66	144.30	146.03	146.46	147.30	0.020714	5.18	7.59	15.87	1.26
RIVO	RIVO	63.313*	Max WS	28.67	144.20	145.93	146.36	147.20	0.020614	5.17	7.67	15.99	1.26
RIVO	RIVO	63.250*	Max WS	28.68	144.10	145.83	146.26	147.09	0.020510	5.15	7.74	16.07	1.25
RIVO	RIVO	63.190		Lat Struct									
RIVO	RIVO	63.189		Lat Struct									
RIVO	RIVO	63.188*	Max WS	28.68	144.00	145.73	146.16	146.98	0.020238	5.14	7.83	16.25	1.25
RIVO	RIVO	63.125*	Max WS	28.67	143.90	145.64	146.06	146.86	0.020116	5.11	7.95	16.50	1.24
RIVO	RIVO	63.063*	Max WS	28.67	143.80	145.54	145.95	146.75	0.019865	5.09	8.07	16.74	1.23
RIVO	RIVO	63	Max WS	28.68	143.70	145.44	145.85	146.64	0.019548	5.06	8.22	17.07	1.22
RIVO	RIVO	62.952*	Max WS	28.74	143.59	145.35	145.76	146.54	0.019390	5.07	8.33	17.09	1.22
RIVO	RIVO	62.905*	Max WS	28.78	143.48	145.26	145.66	146.44	0.019198	5.07	8.45	17.13	1.22
RIVO	RIVO	62.859		Lat Struct									
RIVO	RIVO	62.858		Lat Struct									
RIVO	RIVO	62.857*	Max WS	28.82	143.37	145.17	145.56	146.34	0.018951	5.07	8.58	17.26	1.21
RIVO	RIVO	62.810*	Max WS	28.85	143.27	145.08	145.46	146.24	0.018663	5.07	8.73	17.41	1.20
RIVO	RIVO	62.762*	Max WS	28.85	143.16	144.99	145.37	146.13	0.018246	5.05	8.92	17.66	1.19
RIVO	RIVO	62.714*	Max WS	28.85	143.05	144.90	145.27	146.01	0.017690	5.01	9.14	17.30	1.18
RIVO	RIVO	62.667*	Max WS	28.85	142.94	144.82	145.17	145.88	0.016940	4.94	9.41	16.73	1.15
RIVO	RIVO	62.619*	Max WS	28.85	142.83	144.74	145.07	145.75	0.016098	4.87	9.71	16.17	1.13
RIVO	RIVO	62.573		Lat Struct									
RIVO	RIVO	62.572		Lat Struct									
RIVO	RIVO	62.571*	Max WS	28.85	142.72	144.67	144.39	145.62	0.015141	4.78	10.05	15.62	1.10
RIVO	RIVO	62.524*	Max WS	28.85	142.61	144.60	144.28	145.48	0.014074	4.66	10.44	15.09	1.06
RIVO	RIVO	62.476*	Max WS	28.84	142.51	144.53	144.73	145.35	0.012927	4.53	10.88	14.58	1.02
RIVO	RIVO	62.429*	Max WS	28.79	142.40	144.47	144.63	145.22	0.011727	4.39	11.36	14.09	0.97
RIVO	RIVO	62.381*	Max WS	28.72	142.29	144.42	144.69	145.10	0.010579	4.24	11.87	13.75	0.93
RIVO	RIVO	62.333*	Max WS	28.61	142.18	144.37	143.92	145.02	0.009826	4.16	12.46	14.93	0.90
RIVO	RIVO	62.288		Lat Struct									
RIVO	RIVO	62.287		Lat Struct									
RIVO	RIVO	62.286*	Max WS	28.45	142.07	144.33	143.82	144.90	0.008654	3.97	13.33	15.86	0.85
RIVO	RIVO	62.238*	Max WS	28.27	141.96	144.31	143.73	144.77	0.006970	3.66	14.41	14.59	0.77
RIVO	RIVO	62.190*	Max WS	28.02	141.85	144.32		144.68	0.005421	3.33	15.59	13.33	0.68
RIVO	RIVO	62.143*	Max WS	27.70	141.75	144.33		144.63	0.004381	3.09	16.42	12.06	0.62
RIVO	RIVO	62.095*	Max WS	27.27	141.64	144.33		144.60	0.003695	2.92	16.84	10.79	0.57
RIVO	RIVO	62.048*	Max WS	26.73	141.53	144.33		144.58	0.003249	2.81	16.87	9.53	0.54
RIVO	RIVO	62.02		Lat Struct									
RIVO	RIVO	62	Max WS	25.97	141.42	144.33		144.57	0.002920	2.73	16.57	8.26	0.51
RIVO	RIVO	61.667*	Max WS	25.17	141.27	144.34		144.56	0.002574	2.64	16.88	7.80	0.48
RIVO	RIVO	61.333*	Max WS	24.31	141.11	144.35		144.56	0.002334	2.59	17.00	7.34	0.46
RIVO	RIVO	61	Max WS	23.30	140.94	144.36	143.22	144.56	0.002155	2.55	16.97	6.88	0.45
RIVO	RIVO	60.50 Via dei Colombi		Bridge									

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
RIVO	RIVO	60	Max WS	23.26	140.99	143.23	143.21	144.00	0.008848	4.01	7.63	6.36	0.86
RIVO	RIVO	59.670	Lat Struct										
RIVO	RIVO	59.668	Lat Struct										
RIVO	RIVO	59.667*	Max WS	23.28	140.87	143.19	143.08	143.93	0.008047	3.91	7.66	5.71	0.82
RIVO	RIVO	59.333*	Max WS	23.34	140.74	143.16	142.95	143.87	0.007396	3.83	7.69	5.05	0.79
RIVO	RIVO	59	Max WS	23.41	140.62	143.13		143.82	0.006858	3.76	7.73	4.40	0.77
RIVO	RIVO	58.833*	Max WS	23.60	140.53	143.12		143.75	0.006070	3.62	8.37	4.54	0.73
RIVO	RIVO	58.667*	Max WS	23.74	140.43	143.12		143.67	0.005158	3.43	9.18	4.68	0.67
RIVO	RIVO	58.500*	Max WS	24.25	140.34	143.12		143.62	0.004540	3.30	10.03	4.82	0.64
RIVO	RIVO	58.335	Lat Struct										
RIVO	RIVO	58.334	Lat Struct										
RIVO	RIVO	58.333*	Max WS	23.52	140.25	143.19		143.57	0.003274	2.92	11.32	4.97	0.55
RIVO	RIVO	58.167*	Max WS	22.03	140.14	143.28		143.54	0.002165	2.48	12.82	5.11	0.45
RIVO	RIVO	58	Max WS	19.75	140.02	143.37	141.98	143.54	0.001326	2.02	14.41	5.25	0.35
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	19.74	139.79	141.97	142.03	143.11	0.013521	4.77	4.70	2.53	1.05
RIVO	RIVO	56.805	Lat Struct										
RIVO	RIVO	56.802	Lat Struct										
RIVO	RIVO	56.800*	Max WS	20.54	139.74	141.91	142.01	143.10	0.014028	4.87	4.82	2.60	1.07
RIVO	RIVO	56.600*	Max WS	21.18	139.69	141.85	141.97	143.07	0.014353	4.93	4.88	2.67	1.08
RIVO	RIVO	56.400*	Max WS	21.63	139.64	141.79	141.92	143.02	0.014431	4.95	4.94	2.73	1.09
RIVO	RIVO	56.200*	Max WS	21.96	139.59	141.73	141.85	142.95	0.014366	4.94	5.00	2.80	1.08
RIVO	RIVO	56	Max WS	22.23	139.54	141.67	141.78	142.88	0.014239	4.92	5.06	2.86	1.08
RIVO	RIVO	55.909*	Max WS	22.45	139.44	141.60	141.72	142.83	0.014045	4.94	5.12	2.84	1.08
RIVO	RIVO	55.820	Lat Struct										
RIVO	RIVO	55.819	Lat Struct										
RIVO	RIVO	55.818*	Max WS	22.53	139.33	141.53	141.64	142.75	0.013661	4.93	5.18	2.83	1.06
RIVO	RIVO	55.727*	Max WS	22.64	139.22	141.47	141.56	142.69	0.013308	4.93	5.24	2.81	1.05
RIVO	RIVO	55.636*	Max WS	22.74	139.12	141.41	141.48	142.62	0.012945	4.92	5.30	2.81	1.04
RIVO	RIVO	55.545*	Max WS	22.94	139.01	141.34	141.42	142.56	0.012677	4.94	5.37	2.81	1.03
RIVO	RIVO	55.455*	Max WS	23.19	138.91	141.28	141.35	142.51	0.012466	4.96	5.45	2.82	1.03
RIVO	RIVO	55.364*	Max WS	23.56	138.80	141.23	141.29	142.47	0.012374	5.00	5.54	2.83	1.03
RIVO	RIVO	55.276	Lat Struct										
RIVO	RIVO	55.274	Lat Struct										
RIVO	RIVO	55.273*	Max WS	23.97	138.70	141.17	141.24	142.44	0.012353	5.06	5.62	2.82	1.03
RIVO	RIVO	55.182*	Max WS	24.11	138.59	141.11	141.16	142.37	0.012026	5.06	5.71	2.81	1.02
RIVO	RIVO	55.091*	Max WS	23.42	138.49	141.05	141.03	142.23	0.010903	4.88	5.81	2.79	0.97
RIVO	RIVO	55	Max WS	22.55	138.38	141.00	140.89	142.07	0.009655	4.66	5.93	2.78	0.92
RIVO	RIVO	54.909*	Max WS	20.50	138.31	140.96		141.86	0.007955	4.26	5.89	2.75	0.84
RIVO	RIVO	54.818*	Max WS	20.33	138.25	140.93		141.81	0.007680	4.22	5.88	2.72	0.82
RIVO	RIVO	54.729	Lat Struct										
RIVO	RIVO	54.728	Lat Struct										
RIVO	RIVO	54.727*	Max WS	20.17	138.18	140.90		141.77	0.007442	4.19	5.86	2.68	0.81
RIVO	RIVO	54.636*	Max WS	20.01	138.12	140.87		141.73	0.007222	4.16	5.85	2.65	0.80
RIVO	RIVO	54.545*	Max WS	20.54	138.05	140.82		141.74	0.007684	4.31	5.78	2.62	0.83
RIVO	RIVO	54.455*	Max WS	21.39	137.99	140.78	140.56	141.79	0.008303	4.51	5.74	2.59	0.86
RIVO	RIVO	54.364*	Max WS	22.12	137.92	140.74	140.58	141.83	0.008890	4.69	5.69	2.56	0.89
RIVO	RIVO	54.273*	Max WS	21.97	137.86	140.70	140.53	141.79	0.008793	4.69	5.64	2.52	0.89
RIVO	RIVO	54.184	Lat Struct										
RIVO	RIVO	54.183	Lat Struct										
RIVO	RIVO	54.182*	Max WS	20.93	137.79	140.66	140.41	141.67	0.007989	4.50	5.58	2.49	0.85
RIVO	RIVO	54.091*	Max WS	20.52	137.73	140.62		141.60	0.007653	4.43	5.54	2.46	0.83
RIVO	RIVO	54	Max WS	21.32	137.66	140.58	140.37	141.65	0.008266	4.63	5.49	2.43	0.87
RIVO	RIVO	53.900*	Max WS	21.55	137.58	140.57		141.57	0.007423	4.46	5.68	2.45	0.82
RIVO	RIVO	53.800*	Max WS	21.79	137.50	140.57		141.49	0.006680	4.30	5.88	2.47	0.79
RIVO	RIVO	53.700*	Max WS	22.03	137.43	140.57		141.43	0.005984	4.13	6.10	2.50	0.75
RIVO	RIVO	53.600*	Max WS	22.24	137.35	140.57		141.37	0.005329	3.97	6.35	2.52	0.71
RIVO	RIVO	53.500*	Max WS	22.31	137.27	140.59		141.31	0.004634	3.78	6.63	2.54	0.66
RIVO	RIVO	53.400*	Max WS	22.17	137.19	140.63		141.27	0.003891	3.54	6.98	2.56	0.61
RIVO	RIVO	53.300*	Max WS	21.90	137.11	140.69		141.24	0.003200	3.29	7.38	2.58	0.56
RIVO	RIVO	53.200*	Max WS	21.57	137.04	140.75		141.22	0.002619	3.05	7.79	2.61	0.51
RIVO	RIVO	53.100*	Max WS	21.20	136.96	140.81		141.21	0.002146	2.83	8.22	2.63	0.46
RIVO	RIVO	53	Max WS	20.78	136.88	140.86		141.21	0.001765	2.63	8.65	2.65	0.42
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	20.78	136.37	138.45	138.69	139.82	0.018678	5.20	4.00	3.51	1.19
RIVO	RIVO	51.755	Lat Struct										
RIVO	RIVO	51.751	Lat Struct										
RIVO	RIVO	51.750*	Max WS	21.04	136.26	138.37	138.43	139.28	0.012955	4.39	6.09	4.36	1.00
RIVO	RIVO	51.500*	Max WS	21.16	136.15	138.31	138.39	139.13	0.011500	4.25	6.81	5.66	0.95
RIVO	RIVO	51.250*	Max WS	21.21	136.04	138.26	138.50	138.97	0.009893	4.05	8.00	8.49	0.89
RIVO	RIVO	51	Max WS	21.24	135.93	138.22	138.23	138.60	0.006051	3.27	12.67	17.30	0.70
RIVO	RIVO	50.800*	Max WS	21.25	135.82	138.18	138.22	138.60	0.005897	3.30	12.17	17.41	0.70
RIVO	RIVO	50.600*	Max WS	21.25	135.70	138.15	138.18	138.58	0.005475	3.26	11.90	17.39	0.67
RIVO	RIVO	50.403	Lat Struct										
RIVO	RIVO	50.402	Lat Struct										
RIVO	RIVO	50.400*	Max WS	21.24	135.59	138.14	137.95	138.53	0.004606	3.07	12.13	15.98	0.62
RIVO	RIVO	50.200*	Max WS	21.24	135.47	138.14		138.47	0.003633	2.81	12.97	14.75	0.56
RIVO	RIVO	50	Max WS	21.24	135.36	138.15	137.41	138.42	0.002828	2.56	14.12	14.10	0.49
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	21.23	135.23	137.62	137.47	138.26	0.008877	4.06	8.63	7.28	0.85
RIVO	RIVO	48.835	Lat Struct										
RIVO	RIVO	48.834	Lat Struct										
RIVO	RIVO	48.833*	Max WS	21.23	135.16	137.60	137.37	138.16	0.007423	3.79	9.09	7.26	0.78
RIVO	RIVO	48.667*	Max WS	21.22	135.09	137.59		138.09	0.006133	3.52	9.64	7.27	0.72
RIVO	RIVO	48.500*	Max WS	21.22	135.02	137.58		138.04	0.005333	3.35	10.21	8.44	0.68
RIVO	RIVO	48.333*	Max WS	21.21	134.96	137.58		137.99	0.004552	3.15	10.96	9.93	0.63
RIVO	RIVO	48.167*	Max WS	21.21	134.89	137.58		137.94	0.003812	2.94	11.97	11.82	0.58
RIVO	RIVO	48	Max WS	21.21	134.82	137.58		137.91	0.003270	2.78	13.28	16.32	0.54
RIVO	RIVO	47.835	Lat Struct										
RIVO	RIVO	47.834	Lat Struct										
RIVO	RIVO	47.833*	Max WS	21.21	134.82	137.59		137.87	0.003001	2.66	15.07	20.12	0.52
RIVO	RIVO	47.667*	Max WS	21.21	134.81	137.61		137.83	0.002529	2.45	17.53	21.99	0.47
RIVO	RIVO	47.500*	Max WS	21.22	134.81	137.63		137.79	0.002070	2.23	20.36	23.86	0.43
RIVO	RIVO	47.333*	Max WS	21.22	134.81	137.64		137.76	0.001673	2.01	23.48	25.74	0.38
RIVO	RIVO	47.167*	Max WS	21.22	134.80	137.65		137.74	0.001343	1.80	26.85	27.61	0.34
RIVO	RIVO	47	Max WS	21.21	134.80	137.66	137.01	137.73	0.001073	1.61	30.48	29.48	0.31
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	21.16	134.50	136.86	136.50	137.29	0.005654	3.34	12.27	18.44	0.69
RIVO	RIVO	45.755	Lat Struct										
RIVO	RIVO	45.752	Lat Struct										
RIVO	RIVO	45.750*	Max WS	21.17	133.98	136.85	136.31	137.23	0.003873	3.04	12.64	16.12	0.59
RIVO	RIVO	45.500*	Max WS	21.16	133.96	136.83		137.21	0.003739	3.01	12.27	14.05	0.58
RIVO	RIVO	45.250*	Max WS	21.16	133.93	136.82		137.18	0.				

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
RIVO	RIVO	44.931*	Max WS	21.16	133.86	136.83		137.13	0.002890	2.74	13.35	11.96	0.51
RIVO	RIVO	44.897*	Max WS	21.16	133.83	136.83		137.12	0.002740	2.69	13.90	12.76	0.50
RIVO	RIVO	44.862*	Max WS	21.16	133.81	136.84		137.11	0.002591	2.63	14.46	13.54	0.49
RIVO	RIVO	44.828*	Max WS	21.16	133.78	136.84		137.10	0.002464	2.59	14.98	14.23	0.48
RIVO	RIVO	44.793*	Max WS	21.16	133.76	136.85		137.10	0.002344	2.54	15.50	14.88	0.46
RIVO	RIVO	44.759*	Max WS	21.16	133.73	136.85		137.09	0.002243	2.50	16.00	15.60	0.46
RIVO	RIVO	44.724*	Max WS	21.16	133.70	136.85		137.09	0.002154	2.46	16.48	16.38	0.45
RIVO	RIVO	44.690*	Max WS	21.16	133.68	136.86		137.08	0.002076	2.43	16.93	17.10	0.44
RIVO	RIVO	44.655*	Max WS	21.16	133.65	136.86		137.08	0.002002	2.40	17.39	17.90	0.43
RIVO	RIVO	44.623	Lat Struct										
RIVO	RIVO	44.622	Lat Struct										
RIVO	RIVO	44.621*	Max WS	21.16	133.63	136.86		137.07	0.001938	2.38	17.81	18.67	0.43
RIVO	RIVO	44.586*	Max WS	21.16	133.60	136.86		137.07	0.001877	2.35	18.24	19.45	0.42
RIVO	RIVO	44.552*	Max WS	21.16	133.57	136.86		137.06	0.001808	2.32	18.65	19.91	0.41
RIVO	RIVO	44.517*	Max WS	21.16	133.55	136.86		137.06	0.001745	2.29	19.04	20.29	0.41
RIVO	RIVO	44.502	Lat Struct										
RIVO	RIVO	44.483*	Max WS	21.16	133.52	136.87		137.05	0.001682	2.26	19.44	20.65	0.40
RIVO	RIVO	44.448*	Max WS	21.16	133.50	136.87		137.05	0.001625	2.24	19.81	20.98	0.39
RIVO	RIVO	44.414*	Max WS	21.16	133.47	136.87		137.04	0.001568	2.21	20.19	21.28	0.39
RIVO	RIVO	44.379*	Max WS	21.16	133.44	136.87		137.04	0.001516	2.18	20.54	21.54	0.38
RIVO	RIVO	44.345*	Max WS	21.16	133.42	136.87		137.04	0.001466	2.16	20.89	21.77	0.37
RIVO	RIVO	44.310*	Max WS	21.16	133.39	136.87		137.03	0.001419	2.14	21.22	21.96	0.37
RIVO	RIVO	44.276*	Max WS	21.16	133.37	136.87		137.03	0.001373	2.11	21.55	22.09	0.36
RIVO	RIVO	44.241*	Max WS	21.16	133.34	136.87		137.03	0.001330	2.09	21.86	22.19	0.36
RIVO	RIVO	44.207*	Max WS	21.16	133.32	136.88		137.02	0.001287	2.06	22.18	22.25	0.35
RIVO	RIVO	44.172*	Max WS	21.16	133.29	136.88		137.02	0.001248	2.04	22.48	22.28	0.35
RIVO	RIVO	44.138*	Max WS	21.16	133.26	136.88		137.02	0.001213	2.02	22.77	22.50	0.34
RIVO	RIVO	44.103*	Max WS	21.16	133.24	136.88		137.01	0.001178	2.00	23.06	22.65	0.34
RIVO	RIVO	44.069*	Max WS	21.16	133.21	136.88		137.01	0.001143	1.98	23.34	22.64	0.33
RIVO	RIVO	44.034*	Max WS	21.16	133.19	136.88		137.01	0.001079	1.94	23.67	22.22	0.32
RIVO	RIVO	44	Max WS	21.17	133.16	136.88		137.00	0.001044	1.91	24.01	20.44	0.32
RIVO	RIVO	43.6685	Lat Struct										
RIVO	RIVO	43.668	Lat Struct										
RIVO	RIVO	43.667*	Max WS	21.14	133.11	136.90		136.98	0.000716	1.58	29.23	23.14	0.26
RIVO	RIVO	43.334	Lat Struct										
RIVO	RIVO	43.333*	Max WS	21.14	133.06	136.90		136.97	0.000633	1.47	28.14	16.37	0.24
RIVO	RIVO	43	Max WS	21.05	133.01	136.87	135.12	136.98	0.000897	1.71	20.33	9.31	0.28
RIVO	RIVO	42.50	Bridge										
RIVO	RIVO	42	Max WS	16.43	132.36	135.96		136.42	0.003266	3.35	8.86	3.64	0.56
RIVO	RIVO	41.650*	Max WS	16.43	132.36	135.94		136.43	0.003410	3.42	8.70	3.64	0.58
RIVO	RIVO	41.300	Max WS	16.42	132.36	135.96		136.41	0.003247	3.34	8.85	3.64	0.56
RIVO	RIVO	41.250*	Max WS	47.56	132.36	135.94	137.07	139.98	0.028582	9.89	8.70	3.64	1.67
RIVO	RIVO	41.200	Max WS	47.55	132.36	135.92	137.01	139.86	0.028522	9.84	8.71	3.64	1.67
RIVO	RIVO MEDIO	41	Max WS	49.52	131.99	135.92	136.12	138.18	0.011563	6.68	8.14	2.24	1.08
RIVO	RIVO MEDIO	40.802	Lat Struct										
RIVO	RIVO MEDIO	40.801	Lat Struct										
RIVO	RIVO MEDIO	40.800*	Max WS	45.43	131.95	135.87	135.78	137.67	0.009209	5.95	8.15	2.25	0.96
RIVO	RIVO MEDIO	40.600*	Max WS	42.08	131.90	135.84		137.29	0.007410	5.34	8.24	2.26	0.86
RIVO	RIVO MEDIO	40.400*	Max WS	39.29	131.86	135.80		136.99	0.006020	4.82	8.41	2.27	0.78
RIVO	RIVO MEDIO	40.200*	Max WS	36.79	131.81	135.82		136.77	0.004727	4.31	8.73	2.24	0.69
RIVO	RIVO MEDIO	40	Max WS	34.12	131.77	135.97	134.70	136.67	0.003287	3.71	9.41	2.29	0.58
RIVO	RIVO MEDIO	39.50	Accesso Privato										
RIVO	RIVO MEDIO	39	Max WS	34.09	131.53	133.52	133.53	134.51	0.012831	4.42	7.71	4.14	1.01
RIVO	RIVO MEDIO	38.669	Lat Struct										
RIVO	RIVO MEDIO	38.668	Lat Struct										
RIVO	RIVO MEDIO	38.667*	Max WS	34.61	131.29	133.47	133.40	134.33	0.010186	4.18	9.64	6.79	0.91
RIVO	RIVO MEDIO	38.333*	Max WS	35.00	131.05	133.43	133.27	134.06	0.007227	3.73	13.00	10.71	0.78
RIVO	RIVO MEDIO	38	Max WS	35.11	130.80	133.42		133.79	0.004368	3.08	18.45	14.81	0.62
RIVO	RIVO MEDIO	37.667*	Max WS	35.00	130.68	133.34		133.85	0.005926	3.63	15.50	11.80	0.72
RIVO	RIVO MEDIO	37.333*	Max WS	34.92	130.57	133.25	133.21	134.01	0.008411	4.38	12.78	8.77	0.86
RIVO	RIVO MEDIO	37	Max WS	34.91	130.45	133.20	133.29	134.32	0.012310	5.42	10.42	5.78	1.05
RIVO	RIVO MEDIO	36.964	Lat Struct										
RIVO	RIVO MEDIO	36.963	Lat Struct										
RIVO	RIVO MEDIO	36.962*	Max WS	35.51	130.40	133.14	133.28	134.29	0.012735	5.49	10.49	5.88	1.06
RIVO	RIVO MEDIO	36.923*	Max WS	36.01	130.36	133.08	133.23	134.25	0.013151	5.55	10.54	5.97	1.08
RIVO	RIVO MEDIO	36.885*	Max WS	36.28	130.31	133.01	133.18	134.19	0.013427	5.58	10.57	6.07	1.09
RIVO	RIVO MEDIO	36.846*	Max WS	35.99	130.26	132.94	133.10	134.10	0.013301	5.53	10.61	6.16	1.08
RIVO	RIVO MEDIO	36.808*	Max WS	36.06	130.21	132.88	133.04	134.03	0.013429	5.53	10.65	6.25	1.09
RIVO	RIVO MEDIO	36.769*	Max WS	36.23	130.17	132.81	132.98	133.96	0.013659	5.55	10.68	6.35	1.09
RIVO	RIVO MEDIO	36.733	Lat Struct										
RIVO	RIVO MEDIO	36.732	Lat Struct										
RIVO	RIVO MEDIO	36.731*	Max WS	36.08	130.12	132.74	132.91	133.88	0.013658	5.52	10.70	6.44	1.09
RIVO	RIVO MEDIO	36.692*	Max WS	35.95	130.07	132.67	132.84	133.80	0.013678	5.49	10.73	6.53	1.09
RIVO	RIVO MEDIO	36.654*	Max WS	35.86	130.02	132.61	132.77	133.72	0.013723	5.47	10.75	6.62	1.09
RIVO	RIVO MEDIO	36.615*	Max WS	35.72	129.98	132.54	132.70	133.63	0.013743	5.45	10.77	6.71	1.09
RIVO	RIVO MEDIO	36.577*	Max WS	35.60	129.93	132.47	132.63	133.55	0.013776	5.42	10.79	6.80	1.09
RIVO	RIVO MEDIO	36.538*	Max WS	35.61	129.88	132.40	132.57	133.48	0.013927	5.42	10.81	6.89	1.10
RIVO	RIVO MEDIO	36.502	Lat Struct										
RIVO	RIVO MEDIO	36.501	Lat Struct										
RIVO	RIVO MEDIO	36.500*	Max WS	35.67	129.84	132.33	132.50	133.41	0.014134	5.43	10.82	6.98	1.10
RIVO	RIVO MEDIO	36.462*	Max WS	35.68	129.79	132.26	132.44	133.33	0.014345	5.43	10.82	7.07	1.11
RIVO	RIVO MEDIO	36.423*	Max WS	35.61	129.74	132.19	132.37	133.26	0.014511	5.42	10.81	7.15	1.11
RIVO	RIVO MEDIO	36.385*	Max WS	35.48	129.69	132.11	132.30	133.18	0.014651	5.41	10.80	7.24	1.12
RIVO	RIVO MEDIO	36.346*	Max WS	35.26	129.65	132.04	132.22	133.09	0.014738	5.39	10.78	7.33	1.12
RIVO	RIVO MEDIO	36.308*	Max WS	35.00	129.60	131.97	132.15	133.00	0.014806	5.36	10.76	7.41	1.12
RIVO	RIVO MEDIO	36.271	Lat Struct										
RIVO	RIVO MEDIO	36.270	Lat Struct										
RIVO	RIVO MEDIO	36.269*	Max WS	34.64	129.55	131.89	132.07	132.91	0.014799	5.32	10.73	7.50	1.12
RIVO	RIVO MEDIO	36.231*	Max WS	34.29	129.50	131.82	132.00	132.82	0.014803	5.28	10.70	7.58	1.11
RIVO	RIVO MEDIO	36.192*	Max WS	33.94	129.46	131.74	131.92	132.73	0.014821	5.24	10.67	7.67	1.11
RIVO	RIVO MEDIO	36.154*	Max WS	33.60	129.41	131.67	131.85	132.64	0.014833	5.20	10.65	7.75	1.11
RIVO	RIVO MEDIO	36.115*	Max WS	33.26	129.36	131.60	131.77	132.55	0.014866	5.16	10.61	7.84	1.11
RIVO	RIVO MEDIO	36.077*	Max WS	32.94	129.32	131.52	131.69	132.46	0.014929	5.13	10.57	7.92	1.11
RIVO	RIVO MEDIO	36.040	Lat Struct										
RIVO	RIVO MEDIO	36.039	Lat Struct										
RIVO	RIVO MEDIO	36.038*	Max WS	32.61	129.27	131.45	131.61	132.37	0.015002	5.10	10.53	8.00	1.11
RIVO	RIVO MEDIO	36	Max WS	32.30	129.22	131.37	131.54	132.28	0.015089	5.07	10.49	8.09	1.11
RIVO	RIVO MEDIO	35.967*	Max WS	32.00	129.15	131.30	131.46	132.20	0.015064	5.06	10.41	8.03	1.11
RIVO	RIVO MEDIO	35.933*	Max WS	31.70	129.08	131.22	131.39	132.13	0.015043	5.05			

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_MEDIO	35.767*	Max WS	30.23	128.73	130.86	131.00	131.74	0.014852	4.97	9.94	7.66	1.10
RIVO	RIVO_MEDIO	35.733*	Max WS	29.95	128.66	130.79	130.92	131.66	0.014786	4.95	9.86	7.57	1.10
RIVO	RIVO_MEDIO	35.700*	Max WS	29.66	128.59	130.71	130.84	131.58	0.014708	4.93	9.79	7.48	1.09
RIVO	RIVO_MEDIO	35.667*	Max WS	29.37	128.52	130.64	130.76	131.50	0.014623	4.91	9.73	7.40	1.09
RIVO	RIVO_MEDIO	35.635	Lat Struct										
RIVO	RIVO_MEDIO	35.634	Lat Struct										
RIVO	RIVO_MEDIO	35.633*	Max WS	29.09	128.45	130.57	130.69	131.42	0.014519	4.89	9.66	7.31	1.08
RIVO	RIVO_MEDIO	35.600*	Max WS	28.80	128.38	130.50	130.60	131.34	0.014397	4.86	9.60	7.23	1.08
RIVO	RIVO_MEDIO	35.567*	Max WS	28.51	128.31	130.43	130.53	131.26	0.014254	4.84	9.55	7.15	1.07
RIVO	RIVO_MEDIO	35.533*	Max WS	28.22	128.24	130.36	130.45	131.18	0.014095	4.81	9.50	7.06	1.07
RIVO	RIVO_MEDIO	35.500*	Max WS	27.93	128.18	130.29	130.37	131.10	0.013910	4.77	9.45	6.98	1.06
RIVO	RIVO_MEDIO	35.467*	Max WS	27.63	128.11	130.22	130.29	131.02	0.013699	4.74	9.41	6.89	1.05
RIVO	RIVO_MEDIO	35.435	Lat Struct										
RIVO	RIVO_MEDIO	35.434	Lat Struct										
RIVO	RIVO_MEDIO	35.433*	Max WS	27.35	128.04	130.16	130.21	130.94	0.013466	4.70	9.38	6.80	1.04
RIVO	RIVO_MEDIO	35.400*	Max WS	27.09	127.97	130.09	130.13	130.87	0.013226	4.66	9.36	6.72	1.03
RIVO	RIVO_MEDIO	35.367*	Max WS	26.85	127.90	130.03	130.06	130.79	0.012951	4.62	9.35	6.63	1.02
RIVO	RIVO_MEDIO	35.333*	Max WS	26.63	127.83	129.97	129.98	130.72	0.012651	4.57	9.35	6.55	1.01
RIVO	RIVO_MEDIO	35.300*	Max WS	26.44	127.76	129.91	129.90	130.64	0.012335	4.53	9.37	6.47	1.00
RIVO	RIVO_MEDIO	35.267*	Max WS	26.35	127.69	129.85	129.83	130.58	0.012124	4.50	9.38	6.38	0.99
RIVO	RIVO_MEDIO	35.235	Lat Struct										
RIVO	RIVO_MEDIO	35.234	Lat Struct										
RIVO	RIVO_MEDIO	35.233*	Max WS	26.05	127.62	129.80	129.74	130.50	0.011558	4.42	9.45	6.30	0.97
RIVO	RIVO_MEDIO	35.200*	Max WS	25.88	127.55	129.75	129.67	130.43	0.011120	4.36	9.51	6.21	0.95
RIVO	RIVO_MEDIO	35.167*	Max WS	25.61	127.48	129.71		130.36	0.010495	4.27	9.62	6.12	0.93
RIVO	RIVO_MEDIO	35.133*	Max WS	25.35	127.41	129.68		130.30	0.009804	4.17	9.76	6.04	0.90
RIVO	RIVO_MEDIO	35.100*	Max WS	24.97	127.34	129.66		130.23	0.008911	4.03	9.97	5.95	0.86
RIVO	RIVO_MEDIO	35.067*	Max WS	24.59	127.27	129.64		130.18	0.008025	3.88	10.22	5.87	0.82
RIVO	RIVO_MEDIO	35.035	Lat Struct										
RIVO	RIVO_MEDIO	35.034	Lat Struct										
RIVO	RIVO_MEDIO	35.033*	Max WS	24.16	127.20	129.64		130.13	0.007115	3.72	10.51	5.79	0.77
RIVO	RIVO_MEDIO	35	Max WS	23.29	127.13	129.66		130.08	0.005860	3.46	10.94	5.70	0.70
RIVO	RIVO_MEDIO	34.667*	Max WS	22.52	127.03	129.62		130.09	0.006006	3.58	10.28	5.19	0.72
RIVO	RIVO_MEDIO	34.333*	Max WS	21.83	126.93	129.57		130.10	0.006427	3.78	9.50	4.68	0.75
RIVO	RIVO_MEDIO	34	Max WS	21.06	126.83	129.52	129.09	130.13	0.006962	3.99	8.65	4.17	0.78
RIVO	RIVO_MEDIO	33.5	Bridge										
RIVO	RIVO_MEDIO	33	Max WS	21.06	126.79	128.28	129.00	130.66	0.056720	7.74	4.00	4.09	2.03
RIVO	RIVO_MEDIO	32.952*	Max WS	21.06	126.74	128.23	128.93	130.63	0.056458	7.68	4.06	4.12	2.02
RIVO	RIVO_MEDIO	32.905*	Max WS	21.06	126.70	128.17	128.87	130.52	0.054894	7.53	4.07	4.13	1.99
RIVO	RIVO_MEDIO	32.857*	Max WS	21.06	126.65	128.12	128.81	130.40	0.053085	7.37	4.08	4.14	1.95
RIVO	RIVO_MEDIO	32.810*	Max WS	21.05	126.61	128.07	128.74	130.29	0.051279	7.22	4.11	4.15	1.92
RIVO	RIVO_MEDIO	32.802	Lat Struct										
RIVO	RIVO_MEDIO	32.801	Lat Struct										
RIVO	RIVO_MEDIO	32.762*	Max WS	21.06	126.56	128.02	128.68	130.17	0.049398	7.06	4.14	4.16	1.88
RIVO	RIVO_MEDIO	32.714*	Max WS	21.07	126.51	127.98	128.62	130.05	0.047426	6.90	4.17	4.17	1.84
RIVO	RIVO_MEDIO	32.667*	Max WS	21.09	126.47	127.93	128.56	129.93	0.045378	6.74	4.22	4.19	1.80
RIVO	RIVO_MEDIO	32.619*	Max WS	21.10	126.42	127.89	128.50	129.81	0.043181	6.57	4.28	4.20	1.75
RIVO	RIVO_MEDIO	32.571*	Max WS	21.11	126.37	127.85	128.43	129.68	0.040997	6.40	4.34	4.22	1.71
RIVO	RIVO_MEDIO	32.524*	Max WS	21.13	126.33	127.81	128.37	129.56	0.038736	6.23	4.42	4.25	1.66
RIVO	RIVO_MEDIO	32.476*	Max WS	21.16	126.28	127.77	128.31	129.44	0.036472	6.06	4.50	4.28	1.61
RIVO	RIVO_MEDIO	32.429*	Max WS	21.18	126.24	127.74	128.25	129.32	0.034184	5.89	4.60	4.31	1.56
RIVO	RIVO_MEDIO	32.381*	Max WS	21.21	126.19	127.70	128.19	129.21	0.031943	5.71	4.71	4.34	1.51
RIVO	RIVO_MEDIO	32.333*	Max WS	21.25	126.14	127.67	128.12	129.09	0.029684	5.54	4.83	4.37	1.46
RIVO	RIVO_MEDIO	32.286*	Max WS	21.29	126.10	127.65	128.05	128.98	0.027515	5.36	4.96	4.40	1.41
RIVO	RIVO_MEDIO	32.238*	Max WS	21.33	126.05	127.62	127.99	128.88	0.025436	5.19	5.10	4.43	1.35
RIVO	RIVO_MEDIO	32.190*	Max WS	21.38	126.00	127.60	127.92	128.78	0.023460	5.02	5.25	4.48	1.30
RIVO	RIVO_MEDIO	32.143*	Max WS	21.42	125.96	127.57	127.85	128.68	0.021568	4.86	5.41	4.53	1.25
RIVO	RIVO_MEDIO	32.095*	Max WS	21.46	125.91	127.55	127.78	128.59	0.019737	4.69	5.58	4.58	1.20
RIVO	RIVO_MEDIO	32.048*	Max WS	21.48	125.87	127.54	127.71	128.50	0.018035	4.53	5.76	4.62	1.15
RIVO	RIVO_MEDIO	32	Max WS	21.51	125.82	127.52	127.63	128.42	0.016437	4.37	5.95	4.67	1.10
RIVO	RIVO_MEDIO	31.993*	Max WS	21.53	125.80	127.50	127.62	128.41	0.016441	4.37	5.96	4.68	1.10
RIVO	RIVO_MEDIO	31.986*	Max WS	21.51	125.78	127.49	127.60	128.39	0.016392	4.36	5.97	4.69	1.10
RIVO	RIVO_MEDIO	31.979*	Max WS	21.53	125.77	127.47	127.59	128.40	0.016805	4.42	5.98	4.70	1.11
RIVO	RIVO_MEDIO	31.972*	Max WS	21.54	125.75	127.45	127.57	128.36	0.016406	4.37	5.98	4.71	1.10
RIVO	RIVO_MEDIO	31.965*	Max WS	21.55	125.73	127.44	127.55	128.34	0.016397	4.37	5.99	4.72	1.10
RIVO	RIVO_MEDIO	31.958*	Max WS	21.57	125.71	127.42	127.53	128.32	0.016381	4.37	6.00	4.72	1.10
RIVO	RIVO_MEDIO	31.951*	Max WS	21.58	125.70	127.40	127.52	128.31	0.016388	4.38	6.01	4.73	1.10
RIVO	RIVO_MEDIO	31.944*	Max WS	21.60	125.68	127.39	127.50	128.29	0.016368	4.38	6.02	4.74	1.10
RIVO	RIVO_MEDIO	31.937*	Max WS	21.49	125.66	127.37	127.48	128.27	0.016195	4.36	6.03	4.75	1.09
RIVO	RIVO_MEDIO	31.930*	Max WS	21.44	125.64	127.36	127.46	128.24	0.016068	4.34	6.04	4.76	1.09
RIVO	RIVO_MEDIO	31.925	Lat Struct										
RIVO	RIVO_MEDIO	31.924	Lat Struct										
RIVO	RIVO_MEDIO	31.923*	Max WS	21.46	125.63	127.34	127.44	128.23	0.016080	4.35	6.05	4.77	1.09
RIVO	RIVO_MEDIO	31.916*	Max WS	21.49	125.61	127.32	127.43	128.21	0.016072	4.35	6.06	4.78	1.09
RIVO	RIVO_MEDIO	31.909*	Max WS	21.52	125.59	127.31	127.41	128.20	0.016079	4.35	6.07	4.79	1.09
RIVO	RIVO_MEDIO	31.902*	Max WS	21.55	125.57	127.29	127.40	128.18	0.016086	4.36	6.08	4.80	1.09
RIVO	RIVO_MEDIO	31.895*	Max WS	21.56	125.55	127.28	127.38	128.17	0.016081	4.36	6.09	4.81	1.09
RIVO	RIVO_MEDIO	31.888*	Max WS	21.58	125.54	127.26	127.37	128.15	0.016058	4.36	6.10	4.81	1.09
RIVO	RIVO_MEDIO	31.881*	Max WS	20.88	125.52	127.25	127.31	128.08	0.014963	4.22	6.11	4.83	1.05
RIVO	RIVO_MEDIO	31.874*	Max WS	20.89	125.50	127.23	127.30	128.06	0.014903	4.21	6.13	4.84	1.05
RIVO	RIVO_MEDIO	31.867*	Max WS	20.89	125.48	127.22	127.28	128.04	0.014838	4.21	6.14	4.85	1.05
RIVO	RIVO_MEDIO	31.860*	Max WS	20.88	125.47	127.20	127.26	128.02	0.014766	4.20	6.16	4.86	1.05
RIVO	RIVO_MEDIO	31.853*	Max WS	20.88	125.45	127.19	127.25	128.01	0.014663	4.19	6.18	4.87	1.04
RIVO	RIVO_MEDIO	31.846*	Max WS	20.87	125.43	127.17	127.23	127.99	0.014580	4.19	6.19	4.88	1.04
RIVO	RIVO_MEDIO	31.839*	Max WS	20.87	125.41	127.16	127.21	127.97	0.014493	4.18	6.21	4.89	1.04
RIVO	RIVO_MEDIO	31.832*	Max WS	20.87	125.39	127.14	127.20	127.95	0.014424	4.18	6.23	4.90	1.04
RIVO	RIVO_MEDIO	31.825*	Max WS	20.86	125.38	127.13	127.18	127.94	0.014320	4.17	6.25	4.91	1.03
RIVO	RIVO_MEDIO	31.818*	Max WS	20.86	125.36	127.11	127.16	127.92	0.014225	4.16	6.27	4.93	1.03
RIVO	RIVO_MEDIO	31.811*	Max WS	20.86	125.34	127.10	127.14	127.90	0.014144	4.15	6.28	4.94	1.03
RIVO	RIVO_MEDIO	31.804*	Max WS	20.85	125.32	127.09	127.13	127.88	0.014056	4.15	6.30	4.95	1.02
RIVO	RIVO_MEDIO	31.797*	Max WS	20.78	125.31	127.07	127.11	127.86	0.013855	4.12	6.32	4.96	1.02
RIVO	RIVO_MEDIO	31.790*	Max WS	20.78	125.29	127.06	127.09	127.84	0.013752	4.12	6.35	4.97	1.01
RIVO	RIVO_MEDIO	31.783*	Max WS	20.78	125.27	127.04	127.07	127.82	0.013655	4.11	6.37	4.99	1.01
RIVO	RIVO_MEDIO	31.7											

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.706*	Max WS	20.84	125.07	126.90	126.90	127.64	0.012519	4.02	6.65	5.14	0.97
RIVO	RIVO_MEDIO	31.699*	Max WS	20.86	125.06	126.89	126.88	127.62	0.012410	4.01	6.68	5.15	0.97
RIVO	RIVO_MEDIO	31.6919*	Max WS	20.89	125.04	126.88	126.87	127.61	0.012341	4.00	6.71	5.17	0.97
RIVO	RIVO_MEDIO	31.685*	Max WS	20.92	125.02	126.87	126.85	127.59	0.012248	4.00	6.74	5.18	0.96
RIVO	RIVO_MEDIO	31.678*	Max WS	20.94	125.00	126.85	126.84	127.58	0.012152	3.99	6.77	5.20	0.96
RIVO	RIVO_MEDIO	31.671*	Max WS	20.97	124.99	126.84	126.82	127.56	0.012058	3.98	6.80	5.21	0.96
RIVO	RIVO_MEDIO	31.664*	Max WS	21.00	124.97	126.83	126.81	127.55	0.011960	3.98	6.83	5.23	0.95
RIVO	RIVO_MEDIO	31.657*	Max WS	21.02	124.95	126.82	126.79	127.53	0.011872	3.97	6.86	5.24	0.95
RIVO	RIVO_MEDIO	31.650*	Max WS	21.05	124.93	126.81	126.78	127.52	0.011776	3.96	6.90	5.26	0.95
RIVO	RIVO_MEDIO	31.643*	Max WS	21.07	124.91	126.79	126.76	127.50	0.011669	3.96	6.93	5.27	0.94
RIVO	RIVO_MEDIO	31.636*	Max WS	21.10	124.90	126.78	126.75	127.48	0.011581	3.95	6.96	5.29	0.94
RIVO	RIVO_MEDIO	31.629*	Max WS	21.13	124.88	126.77	126.73	127.47	0.011477	3.94	7.00	5.31	0.94
RIVO	RIVO_MEDIO	31.622*	Max WS	21.15	124.86	126.76	126.72	127.45	0.011377	3.93	7.03	5.32	0.93
RIVO	RIVO_MEDIO	31.615*	Max WS	21.18	124.84	126.75	126.70	127.44	0.011281	3.93	7.07	5.34	0.93
RIVO	RIVO_MEDIO	31.608*	Max WS	21.21	124.83	126.74	126.69	127.42	0.011164	3.92	7.11	5.36	0.93
RIVO	RIVO_MEDIO	31.601*	Max WS	21.21	124.81	126.73	126.67	127.41	0.011054	3.90	7.14	5.38	0.92
RIVO	RIVO_MEDIO	31.594*	Max WS	21.21	124.79	126.72	126.65	127.39	0.010910	3.89	7.18	5.40	0.92
RIVO	RIVO_MEDIO	31.587*	Max WS	21.21	124.77	126.70	126.64	127.37	0.010779	3.88	7.22	5.42	0.91
RIVO	RIVO_MEDIO	31.580*	Max WS	21.21	124.75	126.69	126.62	127.36	0.010639	3.86	7.26	5.44	0.91
RIVO	RIVO_MEDIO	31.573*	Max WS	21.21	124.74	126.68	126.60	127.34	0.010512	3.85	7.30	5.46	0.90
RIVO	RIVO_MEDIO	31.566*	Max WS	21.21	124.72	126.67	126.59	127.33	0.010372	3.83	7.35	5.48	0.90
RIVO	RIVO_MEDIO	31.559*	Max WS	21.21	124.70	126.66	126.57	127.31	0.010239	3.82	7.39	5.51	0.89
RIVO	RIVO_MEDIO	31.552*	Max WS	21.21	124.68	126.65	126.55	127.29	0.010105	3.80	7.43	5.53	0.89
RIVO	RIVO_MEDIO	31.545*	Max WS	21.21	124.67	126.64	126.54	127.28	0.009965	3.79	7.48	5.55	0.88
RIVO	RIVO_MEDIO	31.538*	Max WS	21.18	124.65	126.63	126.52	127.26	0.009799	3.77	7.53	5.57	0.87
RIVO	RIVO_MEDIO	31.531*	Max WS	21.18	124.63	126.62	126.50	127.24	0.009643	3.75	7.58	5.60	0.87
RIVO	RIVO_MEDIO	31.524*	Max WS	21.18	124.61	126.62	126.49	127.23	0.009493	3.73	7.63	5.62	0.86
RIVO	RIVO_MEDIO	31.517*	Max WS	21.18	124.59	126.61	126.47	127.21	0.009336	3.71	7.69	5.65	0.85
RIVO	RIVO_MEDIO	31.511	Lat Struct										
RIVO	RIVO_MEDIO	31.510*	Max WS	21.18	124.58	126.60		127.20	0.009182	3.69	7.74	5.68	0.85
RIVO	RIVO_MEDIO	31.505	Lat Struct										
RIVO	RIVO_MEDIO	31.504*	Max WS	21.18	124.56	126.59		127.18	0.009017	3.67	7.80	5.70	0.84
RIVO	RIVO_MEDIO	31.497*	Max WS	21.18	124.54	126.58		127.17	0.008865	3.66	7.86	5.73	0.83
RIVO	RIVO_MEDIO	31.490*	Max WS	21.13	124.52	126.58		127.15	0.008651	3.62	7.93	5.76	0.82
RIVO	RIVO_MEDIO	31.483*	Max WS	21.13	124.51	126.57		127.14	0.008490	3.60	7.99	5.79	0.82
RIVO	RIVO_MEDIO	31.476*	Max WS	21.14	124.49	126.56		127.12	0.008338	3.59	8.06	5.82	0.81
RIVO	RIVO_MEDIO	31.469*	Max WS	21.16	124.47	126.56		127.11	0.008190	3.57	8.13	5.85	0.80
RIVO	RIVO_MEDIO	31.462*	Max WS	21.18	124.45	126.55		127.10	0.008036	3.55	8.20	5.88	0.80
RIVO	RIVO_MEDIO	31.455*	Max WS	21.24	124.43	126.54		127.09	0.007957	3.54	8.26	5.91	0.79
RIVO	RIVO_MEDIO	31.448*	Max WS	21.35	124.42	126.53		127.08	0.007937	3.55	8.31	5.93	0.79
RIVO	RIVO_MEDIO	31.441*	Max WS	21.47	124.40	126.52		127.07	0.007922	3.55	8.35	5.95	0.79
RIVO	RIVO_MEDIO	31.434*	Max WS	21.58	124.38	126.51		127.06	0.007897	3.56	8.40	5.97	0.79
RIVO	RIVO_MEDIO	31.427*	Max WS	21.70	124.36	126.50		127.05	0.007873	3.56	8.46	6.00	0.79
RIVO	RIVO_MEDIO	31.420*	Max WS	21.81	124.35	126.49		127.04	0.007861	3.57	8.50	6.02	0.79
RIVO	RIVO_MEDIO	31.413*	Max WS	21.92	124.33	126.48		127.03	0.007832	3.57	8.56	6.04	0.79
RIVO	RIVO_MEDIO	31.406*	Max WS	22.04	124.31	126.47		127.02	0.007812	3.57	8.61	6.05	0.79
RIVO	RIVO_MEDIO	31.399*	Max WS	22.15	124.29	126.47		127.01	0.007781	3.58	8.66	6.07	0.79
RIVO	RIVO_MEDIO	31.392*	Max WS	22.26	124.27	126.46		127.00	0.007769	3.58	8.71	6.09	0.79
RIVO	RIVO_MEDIO	31.385*	Max WS	22.38	124.26	126.45		126.99	0.007739	3.58	8.76	6.10	0.79
RIVO	RIVO_MEDIO	31.378*	Max WS	22.49	124.24	126.44		126.98	0.007727	3.59	8.81	6.12	0.79
RIVO	RIVO_MEDIO	31.371*	Max WS	22.62	124.22	126.43		126.98	0.007709	3.60	8.86	6.14	0.79
RIVO	RIVO_MEDIO	31.364*	Max WS	22.76	124.20	126.42		126.97	0.007719	3.61	8.91	6.15	0.79
RIVO	RIVO_MEDIO	31.357*	Max WS	22.91	124.19	126.40		126.96	0.007755	3.62	8.95	6.17	0.79
RIVO	RIVO_MEDIO	31.350*	Max WS	23.08	124.17	126.39		126.95	0.007794	3.64	8.99	6.18	0.79
RIVO	RIVO_MEDIO	31.343*	Max WS	23.26	124.15	126.38		126.94	0.007861	3.66	9.02	6.19	0.80
RIVO	RIVO_MEDIO	31.336*	Max WS	23.45	124.13	126.37		126.94	0.007942	3.68	9.05	6.20	0.80
RIVO	RIVO_MEDIO	31.329*	Max WS	23.65	124.11	126.35		126.93	0.008009	3.70	9.09	6.22	0.81
RIVO	RIVO_MEDIO	31.322*	Max WS	23.83	124.10	126.34		126.92	0.008078	3.73	9.12	6.23	0.81
RIVO	RIVO_MEDIO	31.315*	Max WS	23.97	124.08	126.33		126.92	0.008090	3.74	9.16	6.24	0.81
RIVO	RIVO_MEDIO	31.308*	Max WS	24.12	124.06	126.32		126.91	0.008101	3.75	9.21	6.26	0.81
RIVO	RIVO_MEDIO	31.303	Lat Struct										
RIVO	RIVO_MEDIO	31.302	Lat Struct										
RIVO	RIVO_MEDIO	31.301*	Max WS	24.27	124.04	126.31		126.90	0.008131	3.76	9.25	6.27	0.81
RIVO	RIVO_MEDIO	31.294*	Max WS	24.42	124.03	126.30		126.89	0.008137	3.77	9.30	6.29	0.81
RIVO	RIVO_MEDIO	31.287*	Max WS	24.58	124.01	126.29		126.88	0.008167	3.78	9.34	6.30	0.82
RIVO	RIVO_MEDIO	31.280*	Max WS	24.73	123.99	126.27		126.87	0.008185	3.80	9.38	6.32	0.82
RIVO	RIVO_MEDIO	31.273*	Max WS	24.87	123.97	126.26		126.87	0.008200	3.81	9.43	6.33	0.82
RIVO	RIVO_MEDIO	31.266*	Max WS	25.04	123.96	126.25		126.86	0.008240	3.82	9.47	6.34	0.82
RIVO	RIVO_MEDIO	31.259*	Max WS	25.28	123.94	126.24		126.85	0.008366	3.86	9.49	6.35	0.83
RIVO	RIVO_MEDIO	31.252*	Max WS	25.51	123.92	126.22		126.85	0.008479	3.89	9.51	6.36	0.83
RIVO	RIVO_MEDIO	31.245*	Max WS	25.75	123.90	126.21		126.84	0.008604	3.92	9.54	6.37	0.84
RIVO	RIVO_MEDIO	31.238*	Max WS	25.99	123.88	126.19		126.84	0.008731	3.95	9.56	6.38	0.84
RIVO	RIVO_MEDIO	31.231*	Max WS	26.26	123.87	126.18		126.83	0.008880	3.99	9.58	6.39	0.85
RIVO	RIVO_MEDIO	31.224*	Max WS	26.55	123.85	126.16	126.03	126.83	0.009053	4.03	9.60	6.40	0.86
RIVO	RIVO_MEDIO	31.217*	Max WS	26.87	123.83	126.15	126.03	126.83	0.009257	4.08	9.61	6.41	0.87
RIVO	RIVO_MEDIO	31.210*	Max WS	27.20	123.81	126.13	126.02	126.83	0.009462	4.12	9.63	6.42	0.88
RIVO	RIVO_MEDIO	31.203*	Max WS	27.53	123.80	126.12	126.02	126.83	0.009660	4.17	9.65	6.42	0.89
RIVO	RIVO_MEDIO	31.196*	Max WS	27.86	123.78	126.10	126.02	126.83	0.009853	4.22	9.67	6.44	0.90
RIVO	RIVO_MEDIO	31.189*	Max WS	28.19	123.76	126.09	126.01	126.83	0.010039	4.26	9.70	6.44	0.91
RIVO	RIVO_MEDIO	31.182*	Max WS	28.60	123.74	126.07	126.01	126.83	0.010299	4.32	9.72	6.45	0.92
RIVO	RIVO_MEDIO	31.175*	Max WS	29.08	123.72	126.06	126.02	126.84	0.010594	4.39	9.74	6.47	0.93
RIVO	RIVO_MEDIO	31.168*	Max WS	29.57	123.71	126.05	126.03	126.85	0.010880	4.45	9.78	6.48	0.95
RIVO	RIVO_MEDIO	31.161*	Max WS	30.05	123.69	126.03	126.04	126.86	0.011150	4.51	9.82	6.49	0.96
RIVO	RIVO_MEDIO	31.154*	Max WS	30.54	123.67	126.02	126.04	126.87	0.011399	4.57	9.86	6.50	0.97
RIVO	RIVO_MEDIO	31.147*	Max WS	31.02	123.65	126.01	126.05	126.88	0.011664	4.63	9.90	6.52	0.98
RIVO	RIVO_MEDIO	31.140*	Max WS	31.51	123.64	126.00	126.05	126.89	0.011912	4.69	9.95	6.53	0.99
RIVO	RIVO_MEDIO	31.133*	Max WS	31.99	123.62	125.99	126.05	126.90	0.012182	4.75	9.99	6.55	1.00
RIVO	RIVO_MEDIO	31.126*	Max WS	31.99	123.60	125.98	126.03	126.88	0.012090	4.74	10.03	6.56	1.00
RIVO	RIVO_MEDIO	31.119*	Max WS	31.99	123.58	125.96	126.01	126.86	0.011997	4.73	10.07	6.57	1.00
RIVO	RIVO_MEDIO	31.112*	Max WS	31.97	123.56	125.95	125.99	126.85	0.011883	4.72	10.11	6.58	0.99
RIVO	RIVO_MEDIO	31.105*	Max WS	31.97	123.55	125.94	125.98	126.83					

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_MEDIO	31.007*	Max WS	31.97	123.30	125.79	125.73	126.59	0.010186	4.50	10.87	6.82	0.92
RIVO	RIVO_MEDIO	31	Max WS	31.97	123.28	125.78	125.72	126.57	0.010051	4.48	10.93	6.83	0.92
RIVO	RIVO_VALLE	30.99	Max WS	37.13	123.28	125.78	125.87	126.84	0.013553	5.21	10.93	6.83	1.07
RIVO	RIVO_VALLE	30.983*	Max WS	37.13	123.27	125.77	125.85	126.83	0.013567	5.20	10.93	6.84	1.07
RIVO	RIVO_VALLE	30.977*	Max WS	37.13	123.26	125.76	125.84	126.81	0.013583	5.20	10.93	6.84	1.07
RIVO	RIVO_VALLE	30.970*	Max WS	37.13	123.25	125.74	125.83	126.80	0.013603	5.20	10.92	6.85	1.07
RIVO	RIVO_VALLE	30.963*	Max WS	37.13	123.24	125.73	125.81	126.79	0.013618	5.20	10.93	6.86	1.07
RIVO	RIVO_VALLE	30.959											
RIVO	RIVO_VALLE	30.958	Lat Struct										
RIVO	RIVO_VALLE	30.956*	Max WS	37.12	123.23	125.72	125.80	126.77	0.013641	5.20	10.92	6.86	1.07
RIVO	RIVO_VALLE	30.950*	Max WS	37.12	123.22	125.70	125.79	126.76	0.013661	5.19	10.92	6.87	1.07
RIVO	RIVO_VALLE	30.943*	Max WS	37.12	123.21	125.69	125.78	126.74	0.013684	5.19	10.91	6.87	1.07
RIVO	RIVO_VALLE	30.936*	Max WS	37.12	123.20	125.68	125.76	126.73	0.013698	5.19	10.91	6.88	1.07
RIVO	RIVO_VALLE	30.929*	Max WS	37.11	123.19	125.66	125.75	126.71	0.013717	5.19	10.91	6.89	1.07
RIVO	RIVO_VALLE	30.923*	Max WS	37.10	123.18	125.65	125.73	126.70	0.013738	5.19	10.90	6.89	1.07
RIVO	RIVO_VALLE	30.916*	Max WS	37.10	123.17	125.64	125.71	126.69	0.013756	5.18	10.90	6.90	1.07
RIVO	RIVO_VALLE	30.909*	Max WS	37.09	123.16	125.62	125.69	126.67	0.013766	5.18	10.90	6.90	1.07
RIVO	RIVO_VALLE	30.902*	Max WS	37.08	123.15	125.61	125.64	126.66	0.013784	5.18	10.89	6.91	1.07
RIVO	RIVO_VALLE	30.896*	Max WS	37.07	123.14	125.59	125.60	126.64	0.013802	5.18	10.89	6.91	1.07
RIVO	RIVO_VALLE	30.889*	Max WS	37.06	123.13	125.58	125.59	126.63	0.013821	5.17	10.89	6.92	1.07
RIVO	RIVO_VALLE	30.882*	Max WS	37.04	123.12	125.57	125.58	126.61	0.013839	5.17	10.88	6.92	1.07
RIVO	RIVO_VALLE	30.876*	Max WS	37.03	123.11	125.55	125.57	126.60	0.013864	5.17	10.88	6.93	1.07
RIVO	RIVO_VALLE	30.869*	Max WS	37.01	123.10	125.54	125.55	126.58	0.013883	5.17	10.87	6.94	1.07
RIVO	RIVO_VALLE	30.862*	Max WS	37.00	123.09	125.53	125.54	126.57	0.013894	5.16	10.87	6.94	1.07
RIVO	RIVO_VALLE	30.855*	Max WS	36.98	123.08	125.51	125.53	126.55	0.013903	5.16	10.86	6.95	1.07
RIVO	RIVO_VALLE	30.849*	Max WS	36.96	123.07	125.50	125.51	126.54	0.013923	5.16	10.86	6.95	1.08
RIVO	RIVO_VALLE	30.842*	Max WS	36.94	123.06	125.48	125.50	126.52	0.013930	5.15	10.85	6.96	1.08
RIVO	RIVO_VALLE	30.835*	Max WS	36.91	123.05	125.47	125.49	126.51	0.013940	5.15	10.85	6.96	1.08
RIVO	RIVO_VALLE	30.828*	Max WS	36.89	123.04	125.46	125.48	126.49	0.013957	5.14	10.84	6.97	1.08
RIVO	RIVO_VALLE	30.822*	Max WS	36.86	123.03	125.44	125.46	126.48	0.013965	5.14	10.84	6.98	1.08
RIVO	RIVO_VALLE	30.815*	Max WS	36.83	123.02	125.43	125.45	126.46	0.013975	5.13	10.83	6.98	1.08
RIVO	RIVO_VALLE	30.808*	Max WS	36.80	123.01	125.41	125.44	126.45	0.013979	5.13	10.83	6.99	1.08
RIVO	RIVO_VALLE	30.801*	Max WS	36.77	123.00	125.40	125.42	126.43	0.013986	5.12	10.82	6.99	1.08
RIVO	RIVO_VALLE	30.795*	Max WS	36.73	122.99	125.39	125.41	126.42	0.013999	5.12	10.81	7.00	1.08
RIVO	RIVO_VALLE	30.788*	Max WS	36.70	122.98	125.37	125.40	126.40	0.014002	5.11	10.81	7.00	1.08
RIVO	RIVO_VALLE	30.781*	Max WS	36.66	122.97	125.36	125.39	126.38	0.014010	5.11	10.80	7.01	1.08
RIVO	RIVO_VALLE	30.774*	Max WS	36.62	122.96	125.34	125.37	126.37	0.014015	5.10	10.79	7.01	1.08
RIVO	RIVO_VALLE	30.768*	Max WS	36.58	122.95	125.33	125.36	126.35	0.014013	5.10	10.79	7.02	1.07
RIVO	RIVO_VALLE	30.761	Lat Struct										
RIVO	RIVO_VALLE	30.7609*	Max WS	36.56	122.94	125.32	125.35	126.34	0.014032	5.09	10.78	7.02	1.08
RIVO	RIVO_VALLE	30.760	Lat Struct										
RIVO	RIVO_VALLE	30.754*	Max WS	36.51	122.93	125.30	125.33	126.32	0.014028	5.09	10.78	7.03	1.07
RIVO	RIVO_VALLE	30.748*	Max WS	36.47	122.92	125.29	125.32	126.30	0.014027	5.08	10.77	7.03	1.07
RIVO	RIVO_VALLE	30.741*	Max WS	36.43	122.91	125.27	125.31	126.29	0.014032	5.08	10.77	7.04	1.07
RIVO	RIVO_VALLE	30.734*	Max WS	36.38	122.90	125.26	125.29	126.27	0.014035	5.07	10.76	7.04	1.07
RIVO	RIVO_VALLE	30.727*	Max WS	36.34	122.89	125.25	125.28	126.25	0.014035	5.06	10.75	7.05	1.07
RIVO	RIVO_VALLE	30.721*	Max WS	36.29	122.88	125.23	125.27	126.24	0.014043	5.06	10.75	7.05	1.07
RIVO	RIVO_VALLE	30.714*	Max WS	36.25	122.87	125.22	125.25	126.22	0.014030	5.05	10.74	7.06	1.07
RIVO	RIVO_VALLE	30.707*	Max WS	36.20	122.86	125.20	125.24	126.21	0.014031	5.04	10.74	7.07	1.07
RIVO	RIVO_VALLE	30.700*	Max WS	36.16	122.85	125.19	125.23	126.19	0.014036	5.04	10.73	7.07	1.07
RIVO	RIVO_VALLE	30.694*	Max WS	36.11	122.84	125.18	125.21	126.17	0.014045	5.03	10.72	7.08	1.07
RIVO	RIVO_VALLE	30.687*	Max WS	36.07	122.83	125.16	125.20	126.16	0.014042	5.03	10.72	7.08	1.07
RIVO	RIVO_VALLE	30.680*	Max WS	36.02	122.82	125.15	125.19	126.14	0.014043	5.02	10.71	7.09	1.07
RIVO	RIVO_VALLE	30.673*	Max WS	35.97	122.81	125.13	125.17	126.12	0.014047	5.01	10.70	7.09	1.07
RIVO	RIVO_VALLE	30.667*	Max WS	35.93	122.80	125.12	125.16	126.11	0.014041	5.01	10.70	7.10	1.07
RIVO	RIVO_VALLE	30.660*	Max WS	35.88	122.79	125.11	125.15	126.09	0.014031	5.00	10.69	7.10	1.07
RIVO	RIVO_VALLE	30.653*	Max WS	35.83	122.78	125.09	125.13	126.08	0.014029	4.99	10.69	7.11	1.07
RIVO	RIVO_VALLE	30.647*	Max WS	35.78	122.77	125.08	125.12	126.06	0.014043	4.99	10.68	7.11	1.07
RIVO	RIVO_VALLE	30.640*	Max WS	35.74	122.76	125.06	125.11	126.04	0.014041	4.98	10.67	7.12	1.07
RIVO	RIVO_VALLE	30.633*	Max WS	35.69	122.75	125.05	125.09	126.03	0.014037	4.97	10.67	7.13	1.07
RIVO	RIVO_VALLE	30.626*	Max WS	35.64	122.74	125.04	125.08	126.01	0.014038	4.97	10.66	7.13	1.07
RIVO	RIVO_VALLE	30.620*	Max WS	35.59	122.73	125.02	125.07	125.99	0.014037	4.96	10.65	7.14	1.07
RIVO	RIVO_VALLE	30.613*	Max WS	35.54	122.72	125.01	125.05	125.98	0.014028	4.95	10.65	7.14	1.07
RIVO	RIVO_VALLE	30.606*	Max WS	35.49	122.71	125.00	125.04	125.96	0.014031	4.95	10.64	7.15	1.07
RIVO	RIVO_VALLE	30.599*	Max WS	35.44	122.70	124.98	125.02	125.94	0.014029	4.94	10.63	7.15	1.07
RIVO	RIVO_VALLE	30.593*	Max WS	35.39	122.69	124.97	125.00	125.93	0.014026	4.93	10.63	7.16	1.07
RIVO	RIVO_VALLE	30.586*	Max WS	35.34	122.68	124.95	124.99	125.91	0.014028	4.93	10.62	7.16	1.07
RIVO	RIVO_VALLE	30.579*	Max WS	35.29	122.67	124.94	124.97	125.89	0.014023	4.92	10.61	7.17	1.07
RIVO	RIVO_VALLE	30.572*	Max WS	35.23	122.66	124.93	124.96	125.88	0.014015	4.91	10.61	7.17	1.06
RIVO	RIVO_VALLE	30.566*	Max WS	35.18	122.65	124.91	124.95	125.86	0.014014	4.91	10.60	7.18	1.06
RIVO	RIVO_VALLE	30.563	Lat Struct										
RIVO	RIVO_VALLE	30.562	Lat Struct										
RIVO	RIVO_VALLE	30.559*	Max WS	35.11	122.64	124.90	124.92	125.84	0.014002	4.90	10.59	7.19	1.06
RIVO	RIVO_VALLE	30.552*	Max WS	35.05	122.63	124.88	124.91	125.83	0.013995	4.89	10.58	7.19	1.06
RIVO	RIVO_VALLE	30.546*	Max WS	34.99	122.62	124.87	124.88	125.81	0.013981	4.88	10.58	7.20	1.06
RIVO	RIVO_VALLE	30.539*	Max WS	34.94	122.60	124.86	124.87	125.79	0.013966	4.87	10.58	7.20	1.06
RIVO	RIVO_VALLE	30.532*	Max WS	34.88	122.60	124.84	124.86	125.78	0.013964	4.86	10.57	7.21	1.06
RIVO	RIVO_VALLE	30.525*	Max WS	34.82	122.59	124.83	124.84	125.76	0.013953	4.86	10.56	7.21	1.06
RIVO	RIVO_VALLE	30.519*	Max WS	34.76	122.58	124.81	124.83	125.74	0.013942	4.85	10.56	7.22	1.06
RIVO	RIVO_VALLE	30.512*	Max WS	34.71	122.57	124.80	124.82	125.73	0.013944	4.84	10.55	7.22	1.06
RIVO	RIVO_VALLE	30.505*	Max WS	34.65	122.55	124.79	124.78	125.71	0.013927	4.83	10.54	7.23	1.06
RIVO	RIVO_VALLE	30.498*	Max WS	34.59	122.55	124.77	124.78	125.69	0.013930	4.83	10.53	7.23	1.06
RIVO	RIVO_VALLE	30.492*	Max WS	34.53	122.54	124.76	124.81	125.68	0.013911	4.82	10.53	7.24	1.06
RIVO	RIVO_VALLE	30.485*	Max WS	34.47	122.53	124.74	124.80	125.66	0.013900	4.81	10.52	7.25	1.06
RIVO	RIVO_VALLE	30.478*	Max WS	34.41	122.52	124.73	124.75	125.64	0.013888	4.80	10.52	7.25	1.05
RIVO	RIVO_VALLE	30.471*	Max WS	34.34	122.50	124.72	124.75	125.63	0.013878	4.79	10.51	7.26	1.05
RIVO	RIVO_VALLE	30.465*	Max WS	34.28	122.50	124.70	124.75	125.61	0.013868	4.78	10.50	7.26	1.05
RIVO	RIVO_VALLE	30.458*	Max WS	34.22	122.49	124.69	124.74	125.59	0.013849	4.78	10.50	7.27	1.05
RIVO	RIVO_VALLE	30.451*	Max WS	34.15	122.48	124.68	124.72	125.57	0.013836	4.77	10.49	7.28	1.05

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_VALLE	30.350*	Max WS	34.40	122.32	124.46	124.43	125.38	0.014743	4.82	10.38	7.38	1.08
RIVO	RIVO_VALLE	30.343*	Max WS	34.45	122.31	124.45	124.42	125.37	0.014856	4.83	10.36	7.39	1.08
RIVO	RIVO_VALLE	30.337*	Max WS	34.51	122.30	124.43	124.40	125.36	0.014985	4.84	10.35	7.39	1.09
RIVO	RIVO_VALLE	30.330*	Max WS	34.56	122.29	124.42	124.39	125.35	0.015124	4.85	10.33	7.40	1.09
RIVO	RIVO_VALLE	30.323*	Max WS	34.61	122.28	124.40	124.38	125.34	0.015249	4.87	10.31	7.40	1.10
RIVO	RIVO_VALLE	30.317*	Max WS	34.66	122.27	124.39	124.37	125.33	0.015366	4.88	10.30	7.40	1.10
RIVO	RIVO_VALLE	30.310*	Max WS	34.71	122.26	124.37	124.35	125.32	0.015507	4.89	10.28	7.41	1.10
RIVO	RIVO_VALLE	30.303*	Max WS	34.75	122.25	124.36	124.34	125.31	0.015634	4.90	10.26	7.41	1.11
RIVO	RIVO_VALLE	30.296*	Max WS	34.78	122.24	124.34	124.33	125.30	0.015767	4.91	10.24	7.41	1.11
RIVO	RIVO_VALLE	30.290*	Max WS	34.74	122.23	124.33	124.32	125.28	0.015842	4.91	10.22	7.41	1.11
RIVO	RIVO_VALLE	30.283*	Max WS	34.68	122.22	124.31	124.31	125.27	0.015892	4.91	10.20	7.41	1.11
RIVO	RIVO_VALLE	30.276*	Max WS	34.61	122.21	124.29	124.29	125.25	0.015941	4.91	10.17	7.42	1.12
RIVO	RIVO_VALLE	30.269*	Max WS	34.54	122.20	124.28	124.28	125.23	0.016000	4.90	10.15	7.42	1.12
RIVO	RIVO_VALLE	30.263*	Max WS	34.48	122.19	124.26	124.28	125.22	0.016055	4.90	10.13	7.42	1.12
RIVO	RIVO_VALLE	30.256*	Max WS	34.42	122.18	124.25	124.45	125.20	0.016111	4.90	10.11	7.42	1.12
RIVO	RIVO_VALLE	30.249*	Max WS	34.35	122.17	124.23	124.43	125.18	0.016172	4.90	10.08	7.42	1.12
RIVO	RIVO_VALLE	30.242*	Max WS	34.29	122.16	124.21	124.41	125.17	0.016242	4.90	10.06	7.42	1.12
RIVO	RIVO_VALLE	30.236*	Max WS	34.23	122.15	124.20	124.40	125.15	0.016320	4.90	10.03	7.42	1.13
RIVO	RIVO_VALLE	30.229*	Max WS	34.17	122.14	124.18	124.38	125.14	0.016385	4.90	10.01	7.42	1.13
RIVO	RIVO_VALLE	30.222*	Max WS	34.12	122.13	124.16	124.37	125.12	0.016471	4.90	9.98	7.42	1.13
RIVO	RIVO_VALLE	30.216*	Max WS	34.07	122.12	124.15	124.36	125.11	0.016560	4.90	9.96	7.43	1.13
RIVO	RIVO_VALLE	30.209*	Max WS	34.03	122.11	124.13	124.34	125.09	0.016665	4.91	9.93	7.43	1.13
RIVO	RIVO_VALLE	30.202*	Max WS	33.98	122.10	124.12	124.32	125.08	0.016766	4.91	9.90	7.43	1.14
RIVO	RIVO_VALLE	30.195*	Max WS	33.94	122.09	124.10	124.31	125.06	0.016885	4.91	9.87	7.43	1.14
RIVO	RIVO_VALLE	30.189*	Max WS	33.90	122.08	124.08	124.30	125.05	0.017003	4.92	9.84	7.43	1.14
RIVO	RIVO_VALLE	30.182*	Max WS	33.85	122.07	124.06	124.28	125.03	0.017127	4.92	9.81	7.43	1.15
RIVO	RIVO_VALLE	30.175*	Max WS	33.79	122.06	124.05	124.27	125.02	0.017235	4.93	9.78	7.43	1.15
RIVO	RIVO_VALLE	30.168*	Max WS	33.76	122.05	124.03	124.25	125.00	0.017377	4.93	9.74	7.43	1.15
RIVO	RIVO_VALLE	30.167	Lat Struct										
RIVO	RIVO_VALLE	30.166	Lat Struct										
RIVO	RIVO_VALLE	30.162*	Max WS	33.70	122.04	124.01	124.23	124.99	0.017485	4.94	9.71	7.43	1.16
RIVO	RIVO_VALLE	30.155*	Max WS	33.64	122.03	124.00	124.22	124.97	0.017630	4.94	9.68	7.42	1.16
RIVO	RIVO_VALLE	30.148*	Max WS	33.58	122.02	123.98	124.21	124.96	0.017764	4.95	9.64	7.42	1.16
RIVO	RIVO_VALLE	30.141*	Max WS	33.52	122.01	123.96	124.19	124.94	0.017896	4.95	9.61	7.42	1.17
RIVO	RIVO_VALLE	30.135*	Max WS	33.46	122.00	123.94	124.17	124.93	0.018050	4.96	9.57	7.42	1.17
RIVO	RIVO_VALLE	30.128*	Max WS	33.41	121.99	123.92	124.16	124.91	0.018224	4.97	9.53	7.42	1.18
RIVO	RIVO_VALLE	30.121*	Max WS	33.36	121.98	123.91	124.14	124.90	0.018393	4.97	9.49	7.42	1.18
RIVO	RIVO_VALLE	30.114*	Max WS	33.31	121.97	123.89	124.12	124.88	0.018569	4.98	9.45	7.42	1.19
RIVO	RIVO_VALLE	30.108*	Max WS	33.26	121.96	123.87	124.11	124.87	0.018781	4.99	9.40	7.41	1.19
RIVO	RIVO_VALLE	30.101*	Max WS	33.21	121.95	123.85	124.10	124.85	0.018997	5.01	9.36	7.41	1.20
RIVO	RIVO_VALLE	30.094*	Max WS	33.16	121.94	123.83	124.08	124.84	0.019237	5.02	9.31	7.41	1.20
RIVO	RIVO_VALLE	30.088*	Max WS	33.12	121.93	123.81	124.07	124.83	0.019476	5.03	9.26	7.41	1.21
RIVO	RIVO_VALLE	30.081*	Max WS	33.07	121.92	123.79	124.05	124.81	0.019727	5.05	9.21	7.40	1.22
RIVO	RIVO_VALLE	30.074*	Max WS	33.03	121.91	123.77	124.04	124.80	0.019996	5.06	9.16	7.40	1.22
RIVO	RIVO_VALLE	30.067*	Max WS	32.99	121.90	123.75	124.02	124.79	0.020323	5.08	9.11	7.39	1.23
RIVO	RIVO_VALLE	30.061*	Max WS	32.95	121.89	123.73	124.01	124.78	0.020643	5.10	9.05	7.39	1.24
RIVO	RIVO_VALLE	30.054*	Max WS	32.92	121.88	123.71	123.99	124.77	0.020997	5.12	8.99	7.38	1.25
RIVO	RIVO_VALLE	30.047*	Max WS	32.89	121.87	123.69	123.98	124.76	0.021361	5.15	8.93	7.38	1.26
RIVO	RIVO_VALLE	30.040*	Max WS	32.86	121.86	123.67	123.97	124.75	0.021781	5.17	8.87	7.37	1.27
RIVO	RIVO_VALLE	30.034*	Max WS	32.83	121.85	123.65	123.95	124.74	0.022237	5.20	8.80	7.36	1.28
RIVO	RIVO_VALLE	30.027*	Max WS	32.80	121.84	123.62	123.94	124.73	0.022715	5.23	8.73	7.35	1.29
RIVO	RIVO_VALLE	30.020*	Max WS	32.77	121.83	123.60	123.92	124.72	0.023242	5.26	8.65	7.35	1.31
RIVO	RIVO_VALLE	30.013*	Max WS	32.73	121.82	123.58	123.91	124.71	0.023814	5.30	8.58	7.34	1.32
RIVO	RIVO_VALLE	30.007*	Max WS	32.70	121.81	123.55	123.90	124.71	0.024507	5.34	8.49	7.32	1.34
RIVO	RIVO_VALLE	30	Max WS	32.67	121.80	123.53	123.87	124.69	0.029663	6.12	8.86	7.74	1.50
RIVO	RIVO_VALLE	29.669	Lat Struct										
RIVO	RIVO_VALLE	29.668	Lat Struct										
RIVO	RIVO_VALLE	29.667*	Max WS	32.37	121.78	123.38	123.77	124.65	0.028944	5.64	8.04	7.14	1.45
RIVO	RIVO_VALLE	29.333*	Max WS	32.70	121.73	123.22	123.71	124.82	0.039359	6.34	7.31	7.28	1.68
RIVO	RIVO_VALLE	29	Max WS	33.05	121.66	122.85	123.76	126.45	0.109470	9.14	4.74	5.54	2.71
RIVO	RIVO_VALLE	28.919	Lat Struct										
RIVO	RIVO_VALLE	28.918	Lat Struct										
RIVO	RIVO_VALLE	28.917*	Max WS	33.05	121.49	122.75	123.62	126.15	0.094073	8.79	4.92	5.65	2.53
RIVO	RIVO_VALLE	28.833*	Max WS	33.04	121.32	122.64	123.48	128.45	0.136804	10.90	3.28	6.02	3.07
RIVO	RIVO_VALLE	28.750*	Max WS	33.02	121.16	122.52	123.35	127.86	0.118561	10.37	3.40	6.21	2.88
RIVO	RIVO_VALLE	28.667*	Max WS	33.02	120.99	122.42	123.20	127.11	0.097004	9.66	3.60	6.34	2.62
RIVO	RIVO_VALLE	28.583*	Max WS	33.01	120.82	122.33	123.06	126.29	0.075360	8.85	3.87	6.43	2.33
RIVO	RIVO_VALLE	28.500*	Max WS	33.00	120.65	122.27	122.92	125.53	0.056569	8.01	4.23	6.47	2.04
RIVO	RIVO_VALLE	28.417*	Max WS	32.99	120.48	122.22	122.77	124.87	0.041645	7.21	4.64	6.46	1.77
RIVO	RIVO_VALLE	28.333*	Max WS	32.98	120.31	122.19	122.75	124.36	0.030953	6.54	5.05	6.27	1.55
RIVO	RIVO_VALLE	28.250*	Max WS	32.97	120.14	122.16	122.63	124.02	0.023913	6.04	5.46	6.09	1.38
RIVO	RIVO_VALLE	28.167*	Max WS	32.96	119.98	122.14	122.46	123.74	0.018714	5.61	5.90	5.91	1.23
RIVO	RIVO_VALLE	28.083*	Max WS	32.92	119.81	122.12	122.29	123.53	0.015034	5.26	6.34	5.72	1.12
RIVO	RIVO_VALLE	28	Max WS	32.84	119.64	122.11	122.13	123.34	0.012183	4.95	6.79	5.54	1.02
RIVO	RIVO_VALLE	27.752	Lat Struct										
RIVO	RIVO_VALLE	27.751	Lat Struct										
RIVO	RIVO_VALLE	27.750*	Max WS	32.38	119.62	122.06	121.98	123.00	0.009674	4.41	9.10	5.16	0.91
RIVO	RIVO_VALLE	27.500*	Max WS	32.04	119.58	122.02	121.96	123.01	0.010361	4.58	8.96	4.77	0.94
RIVO	RIVO_VALLE	27.250*	Max WS	31.97	119.51	121.98	121.95	123.06	0.011481	4.83	8.72	4.39	0.99
RIVO	RIVO_VALLE	27	Max WS	32.47	119.44	121.92	121.97	123.17	0.013537	5.24	8.37	4.01	1.07
RIVO	RIVO_VALLE	26.933*	Max WS	32.77	119.34	121.86	121.91	122.98	0.012259	5.06	9.32	4.98	1.03
RIVO	RIVO_VALLE	26.867*	Max WS	33.27	119.24	121.81	121.85	122.81	0.011207	4.90	10.29	5.95	0.99
RIVO	RIVO_VALLE	26.802	Lat Struct										
RIVO	RIVO_VALLE	26.801	Lat Struct										
RIVO	RIVO_VALLE	26.800*	Max WS	33.53	119.13	121.76	121.77	122.65	0.009964	4.70	11.37	6.92	0.93
RIVO	RIVO_VALLE	26.733*	Max WS	33.47	119.03	121.74	121.69	122.49	0.008423	4.42	12.65	7.89	0.86
RIVO	RIVO_VALLE	26.667*	Max WS	33.45	118.93	121.74		122.36	0.006861	4.10	14.24	8.86	0.78
RIVO	RIVO_VALLE	26.600*	Max WS	33.42	118.82	121.76		122.26	0.005449	3.77	16.14	9.83	0.70
RIVO	RIVO_VALLE	26.533*	Max WS	33.47	118.72	121.78		122.18	0.004365	3.47	18.19	10.80	0.64
RIVO	RIVO_VALLE	26.467*	Max WS	33.81	118.62	121.81		122.13	0.003546	3.22	20.46	11.78	0.58
RIVO	RIVO_VALLE	26.402	Lat Struct										
RIVO	RIVO_VALLE	26.401	Lat Struct										
RIVO	RIVO_VALLE	26.400*	Max WS	33.43</									

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_VALLE	24	Max WS	27.24	118.15	120.92		120.98	0.000867	1.45	35.87	24.83	0.28
RIVO	RIVO_VALLE	23.6	Lat Struct										
RIVO	RIVO_VALLE	23.5	Lat Struct										
RIVO	RIVO_VALLE	23	Max WS	28.26	118.15	120.92	119.87	120.98	0.000968	1.50	38.69	31.57	0.29
RIVO	RIVO_VALLE	22.50 Autostrada	Bridge										
RIVO	RIVO_VALLE	22	Max WS	28.26	115.98	119.81		119.94	0.000877	1.65	19.57	21.95	0.28
RIVO	RIVO_VALLE	21.753	Lat Struct										
RIVO	RIVO_VALLE	21.751	Lat Struct										
RIVO	RIVO_VALLE	21.750*	Max WS	27.99	116.13	119.82		119.94	0.000926	1.68	26.52	18.84	0.29
RIVO	RIVO_VALLE	21.500*	Max WS	27.70	116.27	119.79		119.96	0.001390	2.04	21.34	13.83	0.36
RIVO	RIVO_VALLE	21.250*	Max WS	27.44	116.42	119.76		119.97	0.001895	2.35	18.58	9.24	0.42
RIVO	RIVO_VALLE	21	Max WS	27.26	116.52	119.71		119.99	0.002881	2.84	16.21	7.86	0.51
RIVO	RIVO_VALLE	20.875*	Max WS	27.15	116.52	119.69		119.98	0.003099	2.94	15.95	7.97	0.53
RIVO	RIVO_VALLE	20.750*	Max WS	27.01	116.51	119.67		119.98	0.003312	3.04	15.74	8.08	0.55
RIVO	RIVO_VALLE	20.627	Lat Struct										
RIVO	RIVO_VALLE	20.626	Lat Struct										
RIVO	RIVO_VALLE	20.625*	Max WS	26.75	116.50	119.66		119.97	0.003480	3.12	15.60	8.20	0.57
RIVO	RIVO_VALLE	20.500*	Max WS	26.45	116.50	119.64		119.96	0.003617	3.18	15.52	8.32	0.58
RIVO	RIVO_VALLE	20.375*	Max WS	25.98	116.49	119.64		119.95	0.003657	3.21	15.56	8.45	0.58
RIVO	RIVO_VALLE	20.250*	Max WS	25.50	116.49	119.64		119.93	0.003667	3.22	15.66	8.58	0.58
RIVO	RIVO_VALLE	20.125*	Max WS	25.04	116.49	119.63		119.92	0.003658	3.23	15.81	8.72	0.58
RIVO	RIVO_VALLE	20	Max WS	24.62	116.48	119.63		119.90	0.003635	3.23	16.01	8.85	0.58
RIVO	RIVO_VALLE	19.803	Lat Struct										
RIVO	RIVO_VALLE	19.801	Lat Struct										
RIVO	RIVO_VALLE	19.800*	Max WS	24.22	116.42	119.62		119.88	0.003328	3.12	15.98	8.87	0.56
RIVO	RIVO_VALLE	19.605	Lat Struct										
RIVO	RIVO_VALLE	19.600*	Max WS	23.90	116.37	119.61		119.87	0.003061	3.01	15.99	9.00	0.54
RIVO	RIVO_VALLE	19.400*	Max WS	23.63	116.31	119.60		119.86	0.002796	2.90	16.05	9.12	0.51
RIVO	RIVO_VALLE	19.205	Lat Struct										
RIVO	RIVO_VALLE	19.200*	Max WS	23.25	116.26	119.60		119.84	0.002491	2.77	16.20	9.24	0.49
RIVO	RIVO_VALLE	19	Max WS	22.80	116.20	119.60		119.83	0.002183	2.62	16.43	9.37	0.46
RIVO	RIVO_VALLE	18.500*	Max WS	22.35	116.09	119.61		119.80	0.001546	2.25	16.79	8.44	0.39
RIVO	RIVO_VALLE	18.3	Lat Struct										
RIVO	RIVO_VALLE	18.2	Lat Struct										
RIVO	RIVO_VALLE	18	Max WS	21.99	115.98	119.61		119.79	0.001194	2.02	16.01	6.48	0.34
RIVO	RIVO_VALLE	17.750*	Max WS	22.01	115.98	119.61		119.79	0.001196	2.02	16.00	6.48	0.34
RIVO	RIVO_VALLE	17.500*	Max WS	21.99	115.98	119.61		119.79	0.001193	2.02	16.00	6.47	0.34
RIVO	RIVO_VALLE	17.250*	Max WS	21.99	115.98	119.61		119.79	0.001193	2.02	16.01	6.47	0.34
RIVO	RIVO_VALLE	17	Max WS	21.93	115.98	119.61	117.99	119.79	0.001185	2.01	16.01	6.47	0.34
RIVO	RIVO_VALLE	16.50 Ferrovia	Bridge										
RIVO	RIVO_VALLE	16	Max WS	21.93	115.83	118.89		119.22	0.003058	2.89	12.44	6.54	0.53
RIVO	RIVO_VALLE	15.803	Lat Struct										
RIVO	RIVO_VALLE	15.801	Lat Struct										
RIVO	RIVO_VALLE	15.800*	Max WS	21.94	115.75	118.92		119.18	0.002402	2.63	15.02	9.16	0.47
RIVO	RIVO_VALLE	15.600*	Max WS	21.55	115.67	118.94		119.16	0.002088	2.50	16.55	11.79	0.44
RIVO	RIVO_VALLE	15.400*	Max WS	21.14	115.58	118.93		119.16	0.002022	2.50	16.89	14.41	0.44
RIVO	RIVO_VALLE	15.200*	Max WS	20.54	115.50	118.92		119.17	0.002065	2.56	16.07	17.04	0.44
RIVO	RIVO_VALLE	15	Max WS	19.91	115.42	118.89		119.18	0.002182	2.66	14.07	19.66	0.46
RIVO	RIVO_VALLE	14.99	Lat Struct										
RIVO	RIVO_VALLE	14.98	Lat Struct										
RIVO	RIVO_VALLE	14.933*	Max WS	19.80	115.41	118.92		119.15	0.001776	2.42	16.50	18.85	0.41
RIVO	RIVO_VALLE	14.867*	Max WS	19.66	115.40	118.95		119.13	0.001455	2.20	18.56	18.05	0.38
RIVO	RIVO_VALLE	14.800*	Max WS	19.52	115.39	118.97		119.11	0.001219	2.03	20.23	17.24	0.34
RIVO	RIVO_VALLE	14.733*	Max WS	19.36	115.38	118.98		119.10	0.001042	1.89	21.56	16.44	0.32
RIVO	RIVO_VALLE	14.667*	Max WS	18.59	115.36	118.99		119.08	0.000849	1.71	22.61	15.63	0.29
RIVO	RIVO_VALLE	14.600*	Max WS	18.38	115.35	119.00		119.08	0.000750	1.61	23.37	14.83	0.27
RIVO	RIVO_VALLE	14.533*	Max WS	18.18	115.34	119.00		119.08	0.000674	1.53	23.87	14.02	0.26
RIVO	RIVO_VALLE	14.467*	Max WS	17.97	115.33	119.01		119.07	0.000616	1.47	24.13	13.22	0.25
RIVO	RIVO_VALLE	14.400*	Max WS	17.77	115.32	119.01		119.07	0.000575	1.43	24.12	12.41	0.24
RIVO	RIVO_VALLE	14.333*	Max WS	17.57	115.31	119.01		119.07	0.000548	1.40	23.88	11.61	0.23
RIVO	RIVO_VALLE	14.267*	Max WS	17.42	115.29	119.01		119.07	0.000536	1.38	23.39	10.80	0.23
RIVO	RIVO_VALLE	14.200*	Max WS	17.29	115.28	119.01		119.08	0.000538	1.39	22.66	10.00	0.23
RIVO	RIVO_VALLE	14.133*	Max WS	17.16	115.27	119.01		119.08	0.000554	1.41	21.69	9.19	0.23
RIVO	RIVO_VALLE	14.067*	Max WS	17.03	115.26	119.00		119.08	0.000585	1.45	20.48	8.39	0.24
RIVO	RIVO_VALLE	14	Max WS	16.91	115.25	119.00	117.02	119.08	0.000635	1.52	19.03	7.58	0.25
RIVO	RIVO_VALLE	13.50 Str. Di Maratta	Bridge										
RIVO	RIVO_VALLE	13	Max WS	17.98	115.21	117.35		117.93	0.008543	3.65	6.79	4.76	0.82
RIVO	RIVO_VALLE	12.99	Lat Struct										
RIVO	RIVO_VALLE	12.98	Lat Struct										
RIVO	RIVO_VALLE	12.967*	Max WS	17.98	115.20	117.34		117.93	0.008576	3.66	6.79	4.77	0.82
RIVO	RIVO_VALLE	12.933*	Max WS	17.98	115.19	117.33		117.92	0.008596	3.67	6.80	4.78	0.82
RIVO	RIVO_VALLE	12.900*	Max WS	17.98	115.18	117.32		117.91	0.008625	3.69	6.80	4.79	0.82
RIVO	RIVO_VALLE	12.867*	Max WS	17.98	115.17	117.31		117.90	0.008659	3.70	6.81	4.79	0.83
RIVO	RIVO_VALLE	12.833*	Max WS	17.98	115.16	117.30		117.90	0.008687	3.71	6.81	4.80	0.83
RIVO	RIVO_VALLE	12.800*	Max WS	17.98	115.15	117.29		117.89	0.008725	3.72	6.81	4.81	0.83
RIVO	RIVO_VALLE	12.767*	Max WS	17.98	115.14	117.28		117.88	0.008763	3.74	6.82	4.82	0.83
RIVO	RIVO_VALLE	12.733*	Max WS	17.98	115.13	117.28		117.88	0.008784	3.75	6.82	4.83	0.83
RIVO	RIVO_VALLE	12.700*	Max WS	17.98	115.12	117.27		117.87	0.008841	3.77	6.83	4.84	0.84
RIVO	RIVO_VALLE	12.667*	Max WS	17.99	115.11	117.26		117.86	0.008899	3.78	6.82	4.84	0.84
RIVO	RIVO_VALLE	12.633*	Max WS	17.99	115.10	117.25		117.86	0.008933	3.79	6.83	4.85	0.84
RIVO	RIVO_VALLE	12.600*	Max WS	17.99	115.09	117.24		117.85	0.008981	3.81	6.83	4.86	0.85
RIVO	RIVO_VALLE	12.567*	Max WS	17.99	115.08	117.23		117.84	0.009036	3.83	6.83	4.86	0.85
RIVO	RIVO_VALLE	12.533*	Max WS	17.99	115.07	117.22		117.84	0.009067	3.84	6.83	4.87	0.85
RIVO	RIVO_VALLE	12.500*	Max WS	17.99	115.06	117.21	117.07	117.83	0.009126	3.86	6.83	4.88	0.85
RIVO	RIVO_VALLE	12.467*	Max WS	17.99	115.05	117.20	117.06	117.82	0.009185	3.87	6.83	4.89	0.86
RIVO	RIVO_VALLE	12.433*	Max WS	17.99	115.04	117.19	117.05	117.82	0.009226	3.89	6.83	4.90	0.86
RIVO	RIVO_VALLE	12.400*	Max WS	17.99	115.03	117.18	117.05	117.81	0.009286	3.90	6.83	4.90	0.86
RIVO	RIVO_VALLE	12.367*	Max WS	17.99	115.02	117.17	117.04	117.80	0.009357	3.92	6.83	4.91	0.87
RIVO	RIVO_VALLE	12.333*	Max WS	17.99	115.01	117.16	117.04	117.80	0.009407	3.94	6.83	4.92	0.87
RIVO	RIVO_VALLE	12.300*	Max WS	17.99	115.00	117.15	117.03	117.79	0.009480	3.96	6.83	4.92	0.87
RIVO	RIVO_VALLE	12.267*	Max WS	17.99	114.99	117.14	117.03	117.78	0.009555	3.98	6.82	4.93	0.88
RIVO	RIVO_VALLE	12.233*	Max WS	17.99	114.98	117.13	117.02	117.78	0.009611	3.99	6.82	4.94	0.88
RIVO	RIVO_VALLE	12.200*	Max WS	17.99	114.97	117.12	117.02	117.77	0.009688	4.01	6.82	4.94	0.88
RIVO	RIVO_VALLE	12.167*	Max WS	17.99	114.96	117.11	117.01	117.76	0.009772	4.03	6.82	4.95	0.89
RIVO	RIVO_VALLE	12.133*	Max WS	17.99	114.95	117.10	117.01	117.76	0.009847	4.05	6.81	4.95	0.89
RIVO	RIVO_VALLE	12.100*	Max WS	17.99	114.94	117.09	117.00	117.75	0.009939	4.07	6.81	4.96	0.90
RIVO	RIVO_VALLE	12.067*	Max WS	17.99	114.93	117.08	117.00	117.74	0.010037	4.10	6.80	4.96	0.90
RIVO	RIVO_VALLE	12.033*	Max WS	17.99	114.92	117.07	116.99	117.74	0.010113	4.12	6.80	4.97	0.91
RIVO	RIVO_VALLE	12	Max WS	17.99	114.91	117.06	116.99	117.73	0.010221	4.14	6.79	4.98	0.91
RIVO	RIVO_VALLE	11											

HEC-RAS Plan: S0 TR500* Profile: Max WS (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
RIVO	RIVO_VALLE	11.861*	Max WS	17.98	114.66	116.80	116.73	117.47	0.010166	4.13	6.86	5.06	0.91
RIVO	RIVO_VALLE	11.833*	Max WS	17.98	114.61	116.75	116.68	117.41	0.010130	4.12	6.88	5.08	0.91
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	17.98	114.56	116.70	116.63	117.36	0.010113	4.11	6.90	5.10	0.91
RIVO	RIVO_VALLE	11.778*	Max WS	17.98	114.51	116.65	116.57	117.31	0.010072	4.11	6.92	5.12	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	17.98	114.46	116.60	116.52	117.25	0.010030	4.10	6.94	5.14	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	17.99	114.41	116.56	116.47	117.20	0.010003	4.10	6.97	5.16	0.90
RIVO	RIVO_VALLE	11.694*	Max WS	17.98	114.36	116.51	116.42	117.15	0.009934	4.08	6.99	5.19	0.90
RIVO	RIVO_VALLE	11.667*	Max WS	17.98	114.31	116.46	116.37	117.10	0.009885	4.07	7.02	5.21	0.90
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	17.98	114.26	116.41	116.32	117.04	0.009796	4.06	7.06	5.23	0.89
RIVO	RIVO_VALLE	11.611*	Max WS	17.98	114.21	116.36	116.27	116.99	0.009717	4.05	7.09	5.26	0.89
RIVO	RIVO_VALLE	11.583*	Max WS	17.98	114.16	116.32	116.22	116.94	0.009629	4.03	7.13	5.29	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	17.99	114.11	116.27	116.17	116.89	0.009525	4.02	7.18	5.32	0.88
RIVO	RIVO_VALLE	11.528*	Max WS	17.99	114.05	116.23	116.12	116.83	0.009397	4.00	7.23	5.35	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	17.98	114.01	116.18	116.06	116.78	0.009287	3.98	7.28	5.38	0.87
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	17.98	113.96	116.14	116.01	116.73	0.009253	3.98	7.32	5.56	0.87
RIVO	RIVO_VALLE	11.444*	Max WS	17.98	113.90	116.09	115.96	116.69	0.009204	3.97	7.38	5.78	0.87
RIVO	RIVO_VALLE	11.417*	Max WS	17.98	113.85	116.05	115.89	116.64	0.009083	3.96	7.45	5.88	0.86
RIVO	RIVO_VALLE	11.389*	Max WS	17.98	113.80	116.01	115.84	116.58	0.008885	3.92	7.53	5.90	0.85
RIVO	RIVO_VALLE	11.361*	Max WS	17.98	113.75	115.97		116.53	0.008661	3.89	7.63	5.93	0.84
RIVO	RIVO_VALLE	11.333*	Max WS	17.98	113.70	115.93		116.48	0.008395	3.84	7.74	5.95	0.83
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	17.98	113.65	115.90		116.43	0.008126	3.80	7.86	5.97	0.82
RIVO	RIVO_VALLE	11.278*	Max WS	17.98	113.60	115.86		116.38	0.007817	3.74	7.99	6.00	0.80
RIVO	RIVO_VALLE	11.250*	Max WS	17.98	113.55	115.83		116.33	0.007487	3.69	8.15	6.03	0.79
RIVO	RIVO_VALLE	11.222*	Max WS	17.98	113.50	115.80		116.28	0.007165	3.63	8.31	6.06	0.77
RIVO	RIVO_VALLE	11.194*	Max WS	17.98	113.45	115.78		116.24	0.006800	3.56	8.50	6.08	0.75
RIVO	RIVO_VALLE	11.167*	Max WS	17.97	113.40	115.76		116.19	0.006423	3.49	8.70	6.06	0.73
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	17.95	113.35	115.74		116.15	0.006022	3.41	8.92	6.05	0.71
RIVO	RIVO_VALLE	11.111*	Max WS	17.92	113.30	115.72		116.11	0.005622	3.33	9.16	6.04	0.69
RIVO	RIVO_VALLE	11.083*	Max WS	17.86	113.25	115.71		116.08	0.005222	3.24	9.41	6.03	0.67
RIVO	RIVO_VALLE	11.056*	Max WS	17.79	113.20	115.70		116.04	0.004819	3.15	9.68	6.02	0.64
RIVO	RIVO_VALLE	11.028*	Max WS	17.65	113.15	115.70		116.01	0.004389	3.04	9.99	6.01	0.61
RIVO	RIVO_VALLE	11	Max WS	17.73	113.10	115.68		115.99	0.004179	2.99	10.22	6.00	0.60
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	17.74	113.04	115.68		115.95	0.003609	2.84	10.95	6.45	0.56
RIVO	RIVO_VALLE	10.667*	Max WS	17.49	112.97	115.70		115.93	0.002929	2.61	11.88	6.89	0.51
RIVO	RIVO_VALLE	10.500*	Max WS	17.09	112.89	115.71		115.90	0.002309	2.37	12.96	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	16.49	112.81	115.74		115.88	0.001758	2.12	14.20	7.79	0.40
RIVO	RIVO_VALLE	10.167*	Max WS	15.59	112.73	115.76		115.87	0.001276	1.85	15.57	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	14.44	112.65	115.78	114.67	115.86	0.000892	1.58	17.07	8.68	0.29
RIVO	RIVO_VALLE	9.50 Inizio Tratto In	Bridge										
RIVO	RIVO_VALLE	9	Max WS	14.38	112.24	114.26		114.92	0.008147	3.59	4.02	5.46	0.81
RIVO	RIVO_VALLE	8.9474*	Max WS	14.37	112.19	114.25		114.54	0.003991	2.54	7.48	5.47	0.57
RIVO	RIVO_VALLE	8.8947*	Max WS	14.36	112.14	114.26		114.53	0.003792	2.51	7.65	5.47	0.55
RIVO	RIVO_VALLE	8.8421*	Max WS	14.39	112.09	114.26		114.53	0.003627	2.49	7.83	5.48	0.54
RIVO	RIVO_VALLE	8.7895*	Max WS	14.37	112.04	114.26		114.53	0.003461	2.47	8.01	5.48	0.53
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	14.37	112.00	114.26		114.52	0.003315	2.45	8.19	5.49	0.52
RIVO	RIVO_VALLE	8.6842*	Max WS	14.38	111.95	114.26		114.52	0.003190	2.43	8.37	5.49	0.51
RIVO	RIVO_VALLE	8.6316*	Max WS	14.39	111.90	114.27		114.51	0.003076	2.41	8.54	5.50	0.50
RIVO	RIVO_VALLE	8.5789*	Max WS	14.40	111.85	114.27		114.51	0.002971	2.39	8.72	5.50	0.50
RIVO	RIVO_VALLE	8.5263*	Max WS	14.41	111.80	114.27		114.50	0.002883	2.38	8.90	5.51	0.49
RIVO	RIVO_VALLE	8.4737*	Max WS	14.43	111.75	114.27		114.50	0.002798	2.36	9.08	5.51	0.48
RIVO	RIVO_VALLE	8.4211*	Max WS	14.40	111.70	114.27		114.49	0.002707	2.34	9.26	5.52	0.47
RIVO	RIVO_VALLE	8.3684*	Max WS	14.42	111.65	114.27		114.49	0.002637	2.33	9.44	5.52	0.46
RIVO	RIVO_VALLE	8.3158*	Max WS	14.43	111.60	114.27		114.49	0.002578	2.32	9.62	5.53	0.46
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	14.45	111.56	114.27		114.48	0.002529	2.31	9.79	5.53	0.45
RIVO	RIVO_VALLE	8.2105*	Max WS	14.47	111.51	114.27		114.48	0.002475	2.30	9.98	5.54	0.45
RIVO	RIVO_VALLE	8.1579*	Max WS	14.48	111.46	114.27		114.47	0.002433	2.29	10.16	5.54	0.44
RIVO	RIVO_VALLE	8.1053*	Max WS	14.49	111.41	114.27		114.47	0.002396	2.28	10.34	5.55	0.44
RIVO	RIVO_VALLE	8.0526*	Max WS	14.30	111.36	114.27		114.46	0.002293	2.24	10.54	5.55	0.43
RIVO	RIVO_VALLE	8	Max WS	14.28	111.31	114.28		114.46	0.002249	2.23	10.73	5.56	0.42
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	14.14	111.21	114.29		114.45	0.002449	2.13	11.38	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	14.12	111.11	114.29		114.44	0.003469	2.19	10.89	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	14.51	111.07	114.26		114.42	0.003428	2.23	11.07	7.09	0.41
RIVO	RIVO_VALLE	7.7484*	Max WS	14.68	111.03	114.25		114.40	0.003254	2.22	11.29	7.14	0.40
RIVO	RIVO_VALLE	7.7226*	Max WS	14.76	111.00	114.23		114.39	0.003039	2.19	11.54	7.20	0.40
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	14.59	110.96	114.22		114.37	0.002717	2.12	11.84	7.25	0.38
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	14.44	110.92	114.22		114.35	0.002428	2.05	12.17	7.31	0.37
RIVO	RIVO_VALLE	7.6452*	Max WS	14.28	110.88	114.21		114.34	0.002160	1.99	12.51	7.36	0.35
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	14.27	110.84	114.21		114.33	0.001974	1.94	12.85	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	14.32	110.80	114.20		114.32	0.001823	1.91	13.18	7.48	0.33
RIVO	RIVO_VALLE	7.5677*	Max WS	14.35	110.77	114.20		114.31	0.001679	1.87	13.52	7.53	0.33
RIVO	RIVO_VALLE	7.5419*	Max WS	14.37	110.73	114.19		114.30	0.001545	1.83	13.88	7.59	0.32
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	14.39	110.69	114.18		114.29	0.001422	1.80	14.23	7.64	0.31
RIVO	RIVO_VALLE	7.4903*	Max WS	14.43	110.65	114.18		114.28	0.001313	1.76	14.60	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	14.48	110.61	114.17		114.28	0.001216	1.73	14.97	7.75	0.30
RIVO	RIVO_VALLE	7.4387*	Max WS	14.52	110.57	114.17		114.27	0.001128	1.70	15.35	7.81	0.29
RIVO	RIVO_VALLE	7.4129*	Max WS	14.51	110.53	114.17		114.26	0.001037	1.66	15.74	7.87	0.28
RIVO	RIVO_VALLE	7.3871*	Max WS	14.43	110.49	114.16		114.25	0.000944	1.61	16.15	7.92	0.27
RIVO	RIVO_VALLE	7.3614	Lat Struct										
RIVO	RIVO_VALLE	7.3613*	Max WS	14.38	110.45								

HEC-RAS Plan: S0_TR500" Profile: Max WS (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
RIVO	RIVO_VALLE	7.2839*	Max WS	14.35	110.33	114.16		114.23	0.000676	1.47	17.84	8.14	0.24
RIVO	RIVO_VALLE	7.2581*	Max WS	14.36	110.29	114.15		114.23	0.000627	1.44	18.28	8.20	0.24
RIVO	RIVO_VALLE	7.2323*	Max WS	14.36	110.25	114.15		114.22	0.000582	1.41	18.73	8.25	0.23
RIVO	RIVO_VALLE	7.2065*	Max WS	14.37	110.21	114.15		114.22	0.000539	1.38	19.19	8.31	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	14.37	110.18	114.15		114.21	0.000501	1.35	19.65	8.32	0.22
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	14.36	110.13	114.15		114.21	0.000465	1.32	20.12	8.38	0.21
RIVO	RIVO_VALLE	7.1290*	Max WS	14.37	110.10	114.15		114.21	0.000434	1.29	20.60	8.43	0.21
RIVO	RIVO_VALLE	7.1032*	Max WS	14.37	110.06	114.15		114.20	0.000405	1.26	21.08	8.48	0.20
RIVO	RIVO_VALLE	7.0774*	Max WS	14.36	110.02	114.15		114.20	0.000378	1.23	21.57	8.54	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	14.33	109.98	114.15		114.20	0.000353	1.20	22.07	8.59	0.19
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	14.30	109.94	114.15		114.20	0.000330	1.17	22.58	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	14.26	109.89	114.15		114.19	0.000309	1.14	23.09	8.70	0.18
RIVO	RIVO_VALLE	6.5000*	Max WS	14.22	109.88	114.15		114.19	0.000298	1.09	22.04	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	14.18	109.83	114.14	111.72	114.19	0.000295	1.03	21.15	7.58	0.16
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.63	108.99	112.53		112.55	0.000077	0.51	7.12	6.20	0.09
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.62	108.98	112.54		112.55	0.000042	0.38	14.42	6.96	0.06
RIVO	RIVO_VALLE	4	Max WS	3.61	108.96	112.54		112.55	0.000045	0.39	15.05	7.72	0.07
RIVO	RIVO_VALLE	3	Max WS	3.61	107.85	112.54		112.54	0.000021	0.32	17.85	7.97	0.05
RIVO	RIVO_VALLE	2.7500*	Max WS	3.64	107.72	112.54		112.54	0.000019	0.31	20.17	9.44	0.05
RIVO	RIVO_VALLE	2.5000*	Max WS	3.64	107.58	112.54		112.54	0.000018	0.31	21.44	10.90	0.04
RIVO	RIVO_VALLE	2.2500*	Max WS	3.64	107.45	112.54		112.54	0.000016	0.29	23.43	8.89	0.04
RIVO	RIVO_VALLE	2	Max WS	3.63	107.31	112.54		112.54	0.000015	0.29	25.16	9.74	0.04
RIVO	RIVO_VALLE	1.8889*	Max WS	3.63	107.22	112.54		112.54	0.000007	0.19	35.45	13.79	0.03
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.63	107.13	112.54		112.54	0.000004	0.14	48.17	17.86	0.02
RIVO	RIVO_VALLE	1.6667*	Max WS	3.62	107.04	112.54		112.54	0.000002	0.10	63.31	21.94	0.01
RIVO	RIVO_VALLE	1.5556*	Max WS	4.87	106.95	112.54		112.54	0.000002	0.11	80.88	26.04	0.01
RIVO	RIVO_VALLE	1.4444*	Max WS	4.87	106.85	112.54		112.54	0.000001	0.08	100.89	30.15	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	4.87	106.76	112.54		112.54	0.000001	0.07	123.32	34.26	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	4.87	106.67	112.54		112.54	0.000001	0.05	148.20	38.39	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	4.87	106.58	112.54		112.54	0.000000	0.04	175.51	42.52	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	112.54	107.02	112.54	0.000000	0.03	205.27	46.66	0.00
CALCINARE	CALCINARE	39	Max WS	19.29	184.17	185.58	185.56	186.18	0.031103	3.43	5.88	4.90	0.97
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.30	183.87	185.46		185.91	0.020044	3.01	6.93	5.45	0.80
CALCINARE	CALCINARE	38.929*	Max WS	38.16	183.57	185.26	185.66	186.76	0.061686	5.53	7.69	5.98	1.42
CALCINARE	CALCINARE	38.893*	Max WS	38.11	183.27	184.96	185.37	186.44	0.061282	5.52	7.84	6.51	1.41
CALCINARE	CALCINARE	38.857*	Max WS	38.07	182.97	184.65	185.07	186.13	0.061123	5.52	7.95	7.05	1.41
CALCINARE	CALCINARE	38.821*	Max WS	38.04	182.67	184.36	184.78	185.83	0.061142	5.53	8.03	7.58	1.41
CALCINARE	CALCINARE	38.786*	Max WS	38.01	182.37	184.05	184.50	185.54	0.061548	5.56	8.05	8.11	1.42
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	38.00	182.08	183.75	184.21	185.26	0.062469	5.60	8.01	8.25	1.43
CALCINARE	CALCINARE	38.714*	Max WS	37.99	181.78	183.45	183.93	184.93	0.062249	5.59	7.99	6.95	1.43
CALCINARE	CALCINARE	38.679*	Max WS	37.99	181.48	183.14	183.65	184.59	0.061364	5.55	8.04	6.45	1.42
CALCINARE	CALCINARE	38.643*	Max WS	37.98	181.18	182.84	183.37	184.28	0.061332	5.56	8.10	6.55	1.42
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	37.98	180.88	182.54	183.08	183.97	0.061349	5.56	8.15	6.65	1.42
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	37.97	180.58	182.24	182.80	183.66	0.061310	5.57	8.20	6.75	1.42
CALCINARE	CALCINARE	38.536*	Max WS	37.96	180.28	181.94	182.16	183.36	0.061224	5.57	8.26	6.84	1.42
CALCINARE	CALCINARE	38.500*	Max WS	37.95	179.98	181.64	181.89	183.05	0.060958	5.57	8.31	6.92	1.41
CALCINARE	CALCINARE	38.464*	Max WS	37.95	179.68	181.34	181.61	182.74	0.060690	5.57	8.37	7.01	1.41
CALCINARE	CALCINARE	38.429*	Max WS	38.00	179.38	181.04	181.36	182.43	0.060285	5.57	8.45	7.09	1.41
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	38.05	179.08	180.75	181.09	182.12	0.059612	5.56	8.53	7.18	1.40
CALCINARE	CALCINARE	38.357*	Max WS	38.06	178.78	180.46	180.81	181.80	0.058298	5.53	8.65	7.28	1.39
CALCINARE	CALCINARE	38.321*	Max WS	38.06	178.48	180.18	180.55	181.48	0.055692	5.48	8.84	7.40	1.36
CALCINARE	CALCINARE	38.286*	Max WS	38.06	178.18	179.92	180.26	181.14	0.051176	5.32	9.17	7.56	1.31
CALCINARE	CALCINARE	38.250*	Max WS	38.06	177.88	179.68	179.96	180.78	0.044243	5.08	9.72	7.79	1.23
CALCINARE	CALCINARE	38.214*	Max WS	38.04	177.59	179.49	179.65	180.43	0.035567	4.74	10.60	8.13	1.11
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	38.04	177.29	179.33	179.35	180.10	0.026545	4.32	11.89	8.54	0.97
CALCINARE	CALCINARE	38.143*	Max WS	38.01	176.99	179.22		179.81	0.018711	3.85	13.61	8.91	0.83
CALCINARE	CALCINARE	38.107*	Max WS	37.95	176.69	179.18		179.64	0.012842	3.44	16.10	11.03	0.70
CALCINARE	CALCINARE	38.071*	Max WS	37.87	176.39	179.19		179.53	0.008412	3.01	20.52	18.61	0.58
CALCINARE	CALCINARE	38.036*	Max WS	37.57	176.09	179.23		179.43	0.004579	2.41	26.82	19.27	0.44
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	37.07	175.79	179.26		179.39	0.002669	1.97	33.23	19.80	0.34
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	36.39	175.36	179.25		179.38	0.002386	2.01	32.01	15.27	0.33
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	35.30	174.92	179.22		179.39	0.002525	2.21	27.67	10.74	0.34
CALCINARE	CALCINARE	37	Max WS	33.57	174.49	179.17		179.41	0.003228	2.64	20.29	6.21	0.39
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	33.56	174.02	176.23	176.29	177.38	0.029407	4.78	7.40	3.72	1.04
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	33.78	173.88	176.08	176.08	177.37	0.033871	5.14	7.46	4.18	1.11
CALCINARE	CALCINARE	35.333*	Max WS	34.04	173.73	175.91	176.42	177.38	0.040843	5.62	7.78	7.00	1.22
CALCINARE	CALCINARE	35	Max WS	34.08	173.55	175.71	176.20	177.27	0.048980	6.06	8.48	10.48	1.33
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	34.33	173.33	175.48	176.00	177.06	0.047233	5.95	8.15	9.50	1.31
CALCINARE	CALCINARE	34.800*	Max WS	34.41	173.11	175.28	175.77	176.79	0.043344	5.73	8.04	8.81	1.26
CALCINARE	CALCINARE	34.700*	Max WS	34.67	172.90	175.09	175.54	176.50	0.038641	5.46	8.13	8.50	1.19
CALCINARE	CALCINARE	34.605	Lat Struct										
CALCINARE	CALCINARE	34.600*	Max WS	34.67	172.68	174.93	175						

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
CALCINARE	CALCINARE	34.200*	Max WS	36.07	171.81	174.54		175.18	0.012160	3.58	11.34	5.58	0.69
CALCINARE	CALCINARE	34.100*	Max WS	36.71	171.58	174.52		175.06	0.009313	3.28	12.14	4.88	0.61
CALCINARE	CALCINARE	34.009	Lat Struct										
CALCINARE	CALCINARE	34	Max WS	37.74	171.36	174.50		174.97	0.007289	3.04	12.80	4.18	0.55
CALCINARE	CALCINARE	33.750*	Max WS	38.00	171.05	174.58		174.91	0.004596	2.57	15.54	4.64	0.44
CALCINARE	CALCINARE	33.500*	Max WS	36.25	170.74	174.69		174.90	0.002631	2.07	18.71	5.11	0.34
CALCINARE	CALCINARE	33.255	Lat Struct										
CALCINARE	CALCINARE	33.250*	Max WS	32.47	170.43	174.79		174.92	0.001387	1.59	22.15	5.57	0.25
CALCINARE	CALCINARE	33	Max WS	27.09	170.12	174.87	171.82	174.94	0.000669	1.16	25.71	6.03	0.17
CALCINARE	CALCINARE	32.50 Ponte su Ferrovi	Bridge										
CALCINARE	CALCINARE	32	Max WS	27.09	169.93	171.96		172.67	0.022501	3.84	7.37	20.19	0.89
CALCINARE	CALCINARE	31.670	Lat Struct										
CALCINARE	CALCINARE	31.669	Lat Struct										
CALCINARE	CALCINARE	31.667*	Max WS	27.57	169.77	171.89		172.11	0.009798	2.60	17.38	16.34	0.59
CALCINARE	CALCINARE	31.335	Lat Struct										
CALCINARE	CALCINARE	31.333*	Max WS	28.08	169.61	171.76		172.22	0.018886	3.60	12.15	10.93	0.81
CALCINARE	CALCINARE	31	Max WS	28.50	169.45	171.63	171.61	172.83	0.042646	5.36	7.43	5.67	1.20
CALCINARE	CALCINARE	30.933*	Max WS	28.82	169.21	171.42	171.37	172.65	0.043731	5.47	7.51	5.98	1.22
CALCINARE	CALCINARE	30.867*	Max WS	28.72	168.98	171.21	171.16	172.44	0.043672	5.49	7.58	6.21	1.22
CALCINARE	CALCINARE	30.800*	Max WS	28.66	168.74	170.99	171.57	172.22	0.043811	5.53	7.65	6.46	1.22
CALCINARE	CALCINARE	30.735	Lat Struct										
CALCINARE	CALCINARE	30.733*	Max WS	28.68	168.51	170.77	171.33	172.01	0.044442	5.59	7.70	6.64	1.23
CALCINARE	CALCINARE	30.669	Lat Struct										
CALCINARE	CALCINARE	30.667*	Max WS	28.31	168.27	170.56	171.09	171.77	0.043690	5.57	7.77	6.89	1.22
CALCINARE	CALCINARE	30.600*	Max WS	27.78	168.03	170.35	170.84	171.51	0.042373	5.51	7.85	7.19	1.20
CALCINARE	CALCINARE	30.533*	Max WS	27.25	167.80	170.15	170.58	171.25	0.040650	5.43	8.01	7.68	1.17
CALCINARE	CALCINARE	30.467*	Max WS	26.80	167.56	169.95	169.83	170.99	0.038583	5.33	8.24	8.36	1.14
CALCINARE	CALCINARE	30.400*	Max WS	27.46	167.33	169.76	169.59	170.82	0.039537	5.44	8.52	9.12	1.15
CALCINARE	CALCINARE	30.335	Lat Struct										
CALCINARE	CALCINARE	30.333*	Max WS	28.26	167.09	169.56	169.37	170.65	0.041286	5.58	8.77	9.74	1.17
CALCINARE	CALCINARE	30.269	Lat Struct										
CALCINARE	CALCINARE	30.267*	Max WS	29.06	166.85	169.36	169.16	170.44	0.042286	5.66	8.95	8.97	1.18
CALCINARE	CALCINARE	30.200*	Max WS	29.76	166.62	169.15	169.45	170.24	0.044613	5.80	8.96	8.20	1.20
CALCINARE	CALCINARE	30.133*	Max WS	30.31	166.38	168.92	169.21	170.03	0.047576	5.95	8.85	7.43	1.23
CALCINARE	CALCINARE	30.067*	Max WS	30.05	166.15	168.69	168.94	169.78	0.049477	5.99	8.63	6.67	1.24
CALCINARE	CALCINARE	30	Max WS	29.91	165.91	168.43	168.66	169.54	0.053248	6.09	8.32	5.90	1.27
CALCINARE	CALCINARE	29.752	Lat Struct										
CALCINARE	CALCINARE	29.750*	Max WS	30.48	165.69	168.22	168.38	169.31	0.038935	5.48	8.62	5.55	1.14
CALCINARE	CALCINARE	29.505	Lat Struct										
CALCINARE	CALCINARE	29.500*	Max WS	30.95	165.48	168.06	168.04	168.99	0.027261	4.74	9.19	5.20	0.98
CALCINARE	CALCINARE	29.250*	Max WS	31.00	165.26	167.96		168.68	0.018205	4.02	9.90	4.85	0.81
CALCINARE	CALCINARE	29	Max WS	30.14	165.04	167.98	167.24	168.46	0.009962	3.16	11.07	4.50	0.61
CALCINARE	CALCINARE	28.50 Ponte su Via del	Bridge										
CALCINARE	CALCINARE	28	Max WS	30.14	164.89	166.60	166.92	167.94	0.049284	5.25	6.44	4.40	1.29
CALCINARE	CALCINARE	27.508	Lat Struct										
CALCINARE	CALCINARE	27.505	Lat Struct										
CALCINARE	CALCINARE	27.500*	Max WS	30.49	164.44	166.43	166.83	167.62	0.041299	5.24	8.16	7.88	1.20
CALCINARE	CALCINARE	27.01	Lat Struct										
CALCINARE	CALCINARE	27	Max WS	30.61	163.99	166.27	166.49	167.68	0.046138	5.93	7.55	5.29	1.28
CALCINARE	CALCINARE	26.967*	Max WS	30.62	163.78	166.05	166.27	167.45	0.045993	5.91	7.56	5.30	1.28
CALCINARE	CALCINARE	26.933*	Max WS	30.64	163.57	165.82	165.94	167.22	0.045994	5.90	7.56	5.32	1.28
CALCINARE	CALCINARE	26.900*	Max WS	30.66	163.36	165.60	165.79	166.99	0.045880	5.88	7.57	5.33	1.28
CALCINARE	CALCINARE	26.867*	Max WS	30.76	163.15	165.37	165.54	166.76	0.046118	5.88	7.57	5.35	1.28
CALCINARE	CALCINARE	26.835	Lat Struct										
CALCINARE	CALCINARE	26.833*	Max WS	30.74	162.93	165.14	165.29	166.53	0.046060	5.87	7.57	5.36	1.28
CALCINARE	CALCINARE	26.802	Lat Struct										
CALCINARE	CALCINARE	26.800*	Max WS	30.72	162.72	164.92	165.04	166.30	0.045856	5.84	7.58	5.38	1.28
CALCINARE	CALCINARE	26.767*	Max WS	30.65	162.51	164.69	164.74	166.06	0.045438	5.80	7.60	5.40	1.27
CALCINARE	CALCINARE	26.733*	Max WS	30.65	162.30	164.47	164.50	165.82	0.045025	5.77	7.63	5.42	1.27
CALCINARE	CALCINARE	26.700*	Max WS	30.65	162.09	164.25	164.28	165.58	0.044389	5.73	7.67	5.42	1.26
CALCINARE	CALCINARE	26.667*	Max WS	30.67	161.88	164.03	163.97	165.35	0.043820	5.69	7.71	5.43	1.25
CALCINARE	CALCINARE	26.634	Lat Struct										
CALCINARE	CALCINARE	26.633*	Max WS	30.68	161.67	163.82	163.76	165.17	0.044562	5.74	7.77	6.13	1.26
CALCINARE	CALCINARE	26.602	Lat Struct										
CALCINARE	CALCINARE	26.600*	Max WS	30.67	161.45	163.60	163.55	165.00	0.046011	5.82	7.83	7.69	1.29
CALCINARE	CALCINARE	26.567*	Max WS	30.66	161.24	163.37	163.86	164.80	0.046720	5.85	7.90	8.99	1.29
CALCINARE	CALCINARE	26.533*	Max WS	30.65	161.03	163.14	163.61	164.58	0.047183	5.85	7.96	10.09	1.30
CALCINARE	CALCINARE	26.500*	Max WS	30.65	160.82	162.91	163.37	164.35	0.047548	5.85	8.02	10.81	1.30
CALCINARE	CALCINARE	26.467*	Max WS	30.65	160.61	162.68	163.13	164.09	0.047198	5.80	8.08	10.43	1.30
CALCINARE	CALCINARE	26.435	Lat Struct										
CALCINARE	CALCINARE	26.433*	Max WS	30.65	160.40	162.45	162.89	163.83	0.046972	5.76	8.12	10.04	1.29
CALCINARE	CALCINARE	26.431	Lat Struct										
CALCINARE	CALCINARE	26.400*	Max WS	30.65	160.19	162.22	162.64	163.57	0.046870	5.72	8.15	9.65	1.29
CALCINARE	CALCINARE	26.367*	Max WS	30.63	159.97	161.99	162.40	163.32	0.046725	5.68	8.16	9.26	1.29
CALCINARE	CALCINARE	26.333*	Max WS	30.63	159.76	161.76	162.16	163.07	0.046615	5.65	8.16	8.87	1.29
CALCINARE	CALCINARE	26.300*	Max WS	30.62	159.54	161.53	161.32	162.82	0.046235	5.60	8.18	8.48	1.28
CALCINARE	CALCINARE	26.267*	Max WS	30.59	159.32	161.31	161.67	162.57	0.045823	5.56	8.18	8.09	1.27
CALCINARE	CALCINARE	26.235	Lat Struct										
CALCINARE	CALCINARE	26.233*	Max WS	30.51	159.09	161.08	161.42	162.32	0.045047	5.50	8.19	7.70	1.26
CALCINARE	CALCINARE	26.228	Lat Struct										
CALCINARE	CALCINARE	26.200*	Max WS	30.75	158.87	160.86	161.20	162.09	0.045253	5.50	8.18	7.31	1.26
CALCINARE	CALCINARE	26.167*	Max WS	31.07	158.65	160.64	160.97	161.88	0.046021	5.53	8.14	6.92	1.27
CALCINARE	CALCINARE	26.133*	Max WS	31.00	158.43	160.41	160.72	161.65	0.045999	5.51	8.06	6.53	1.27
CALCINARE	CALCINARE	26.100*	Max WS	31.10	158.21	160.19	160.48	161.44	0.046819	5.53	7.95	6.14	1.28
CALCINARE	CALCINARE	26.067*	Max WS	31.23	157.99	159.95	160.25	161.24	0.048509	5.59	7.79	5.75	1.30
CALCINARE	CALCINARE	26.040	Lat Struct										
CALCINARE	CALCINARE	26.033*	Max WS	30.49	157.77	159.72	159.98	160.98	0.047848	5.51	7.60	5.36	1.29
CALCINARE	CALCINARE	26.020	Lat Struct										
CALCINARE	CALCINARE	26	Max WS	30.05	157.55	159.48	159.72	160.74	0.048183	5.49	7.40	4.97	1.29
CALCINARE	CALCINARE	25.971*	Max WS	29.84	157.31	159.24	159.49	160.52	0.048520	5.52	7.29	4.90	1.30
CALCINARE	CALCINARE	25.943*	Max WS	29.75	157.06	159.00	159.26	160.31	0.049350	5.57	7.18	4.83	1.31
CALCINARE	CALCINARE	25.914*	Max WS	29.35	156.82	158.75	159.03	160.07	0.049399	5.58	7.06	4.76	1.31
CALCINARE	CALCINARE	25.886*	Max WS	29.31	156.58	158.50	158.80	159.88	0.051136	5.66	6.91	4.69	1.33
CALCINARE	CALCINARE	25.858	Lat Struct										
CALCINARE	CALCINARE	25.857*	Max WS	29.33	156.34	158.24	158.58	159.69	0.054389	5.81	6.71	4.62	1.37
CALCINARE	CALCINARE	25.855	Lat Struct										
CALCINARE	CALCINARE	25.829*	Max WS	29.57	156.09	157.95	158.36	159.57	0.062088	6.11	6.39	4.55	1.46
CALCINARE	CALCINARE	25.800*	Max										

HEC-RAS Plan: S0_TR500* Profile: Max WS (Continued)

EC-RAS Plan: 50 TR500" Profile: Max WS (Continued)													
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m³/s)	(m)	(m)		(m)	(m/m)	(m/s)	(m²)	(m)	
CALCINARE	CALCINARE	25.629*	Max WS	29.65	154.39	156.09	156.89	158.84	0.047247	7.61	5.10	3.96	1.89
CALCINARE	CALCINARE	25.600*	Max WS	29.65	154.15	155.86	156.66	158.63	0.047245	7.64	5.05	3.88	1.89
CALCINARE	CALCINARE	25.571*	Max WS	29.64	153.91	155.62	156.43	158.43	0.047289	7.68	4.99	3.79	1.89
CALCINARE	CALCINARE	25.544	Lat Struct										
CALCINARE	CALCINARE	25.543*	Max WS	29.64	153.66	155.38	156.21	158.23	0.047235	7.71	4.94	3.71	1.89
CALCINARE	CALCINARE	25.540	Lat Struct										
CALCINARE	CALCINARE	25.514*	Max WS	29.63	153.42	155.15	155.98	158.03	0.047242	7.74	4.89	3.63	1.90
CALCINARE	CALCINARE	25.486*	Max WS	29.63	153.18	154.91	155.75	157.82	0.047142	7.76	4.84	3.55	1.90
CALCINARE	CALCINARE	25.457*	Max WS	29.63	152.94	154.68	155.53	157.62	0.047104	7.79	4.79	3.48	1.90
CALCINARE	CALCINARE	25.429*	Max WS	29.62	152.69	154.44	155.31	157.41	0.046978	7.82	4.75	3.40	1.90
CALCINARE	CALCINARE	25.402	Lat Struct										
CALCINARE	CALCINARE	25.400*	Max WS	29.62	152.45	154.21	155.09	157.20	0.046815	7.84	4.70	3.32	1.90
CALCINARE	CALCINARE	25.371*	Max WS	29.62	152.21	153.97	154.86	157.00	0.046604	7.86	4.66	3.25	1.89
CALCINARE	CALCINARE	25.369	Lat Struct										
CALCINARE	CALCINARE	25.343*	Max WS	29.62	151.96	153.74	154.63	156.78	0.046102	7.87	4.63	3.18	1.89
CALCINARE	CALCINARE	25.314*	Max WS	29.62	151.71	153.51	154.41	156.55	0.045447	7.86	4.60	3.11	1.88
CALCINARE	CALCINARE	25.286*	Max WS	29.62	151.46	153.29	154.18	156.32	0.044401	7.83	4.59	3.05	1.86
CALCINARE	CALCINARE	25.257*	Max WS	29.62	151.22	153.07	153.95	156.07	0.043029	7.79	4.59	2.99	1.83
CALCINARE	CALCINARE	25.2295	Lat Struct										
CALCINARE	CALCINARE	25.229*	Max WS	29.61	150.97	152.86	153.73	155.80	0.040983	7.70	4.61	2.93	1.79
CALCINARE	CALCINARE	25.225	Lat Struct										
CALCINARE	CALCINARE	25.200*	Max WS	29.61	150.72	152.66	153.50	155.52	0.038388	7.58	4.67	2.88	1.78
CALCINARE	CALCINARE	25.171*	Max WS	29.60	150.47	152.48	153.28	155.21	0.035118	7.41	4.76	2.83	1.64
CALCINARE	CALCINARE	25.143*	Max WS	29.60	150.23	152.31	153.05	154.88	0.031281	7.18	4.89	2.79	1.59
CALCINARE	CALCINARE	25.114*	Max WS	29.59	149.98	152.17	152.81	154.55	0.027184	6.91	5.07	2.74	1.50
CALCINARE	CALCINARE	25.089	Lat Struct										
CALCINARE	CALCINARE	25.086*	Max WS	29.57	149.73	152.04	152.59	154.21	0.023017	6.59	5.30	2.69	1.39
CALCINARE	CALCINARE	25.057*	Max WS	29.48	149.48	151.94	152.36	153.89	0.019079	6.24	5.56	2.64	1.28
CALCINARE	CALCINARE	25.050	Lat Struct										
CALCINARE	CALCINARE	25.029*	Max WS	29.27	149.24	151.85	152.12	153.57	0.015475	5.86	5.86	2.57	1.16
CALCINARE	CALCINARE	25	Max WS	29.04	148.99	151.78	151.88	153.30	0.012451	5.50	6.17	2.50	1.05
CALCINARE	CALCINARE	24.05	Lat Struct										
CALCINARE	CALCINARE	24	Max WS	28.43	148.60	151.75	151.24	152.22	0.003944	3.32	14.02	7.78	0.60
CALCINARE	CALCINARE	23.50	Ponte su Strada Bridge										
CALCINARE	CALCINARE	23	Max WS	28.43	148.11	150.10	151.11	153.17	0.040483	7.77	3.66	3.21	1.79
CALCINARE	CALCINARE	22.900	Lat Struct										
CALCINARE	CALCINARE	22.668	Lat Struct										
CALCINARE	CALCINARE	22.667*	Max WS	28.44	148.08	149.97	150.97	152.25	0.032331	6.76	4.76	3.02	1.59
CALCINARE	CALCINARE	22.335	Lat Struct										
CALCINARE	CALCINARE	22.333*	Max WS	28.44	148.01	149.85	150.55	152.16	0.034488	6.80	4.74	3.06	1.63
CALCINARE	CALCINARE	22	Max WS	28.43	147.95	149.72	150.52	152.10	0.037896	6.90	4.67	3.17	1.69
CALCINARE	CALCINARE	21.938*	Max WS	28.43	147.75	149.54	150.35	151.93	0.037397	6.91	4.64	3.09	1.68
CALCINARE	CALCINARE	21.875*	Max WS	28.42	147.55	149.37	150.18	151.75	0.036655	6.90	4.62	3.02	1.67
CALCINARE	CALCINARE	21.813*	Max WS	28.41	147.35	149.19	150.00	151.57	0.035726	6.88	4.61	2.94	1.65
CALCINARE	CALCINARE	21.750*	Max WS	28.41	147.16	149.02	149.82	151.38	0.034525	6.85	4.61	2.87	1.63
CALCINARE	CALCINARE	21.690	Lat Struct										
CALCINARE	CALCINARE	21.689	Lat Struct										
CALCINARE	CALCINARE	21.688*	Max WS	28.40	146.96	148.86	149.64	151.19	0.033008	6.79	4.62	2.80	1.60
CALCINARE	CALCINARE	21.625*	Max WS	28.39	146.76	148.71	149.46	150.98	0.031090	6.70	4.66	2.74	1.56
CALCINARE	CALCINARE	21.563*	Max WS	28.38	146.56	148.56	149.28	150.76	0.028915	6.59	4.71	2.67	1.51
CALCINARE	CALCINARE	21.500*	Max WS	28.37	146.36	148.43	149.10	150.54	0.026420	6.45	4.79	2.60	1.45
CALCINARE	CALCINARE	21.438*	Max WS	28.36	146.16	148.31	148.92	150.31	0.023781	6.28	4.89	2.54	1.39
CALCINARE	CALCINARE	21.375*	Max WS	28.35	145.96	148.20	148.74	150.08	0.021100	6.09	5.00	2.47	1.32
CALCINARE	CALCINARE	21.315	Lat Struct										
CALCINARE	CALCINARE	21.314	Lat Struct										
CALCINARE	CALCINARE	21.313*	Max WS	28.33	145.76	148.11	148.56	149.86	0.018451	5.88	5.15	2.80	1.24
CALCINARE	CALCINARE	21.250*	Max WS	28.30	145.56	148.03	148.38	149.65	0.015986	5.66	5.36	3.29	1.19
CALCINARE	CALCINARE	21.188*	Max WS	28.24	145.37	147.96	148.20	149.45	0.013670	5.42	5.65	3.77	1.09
CALCINARE	CALCINARE	21.125*	Max WS	28.10	145.17	147.89	148.01	149.25	0.011567	5.17	6.00	3.89	1.01
CALCINARE	CALCINARE	21.063*	Max WS	27.81	144.97	147.84	147.80	149.05	0.009629	4.89	6.38	3.79	0.93
CALCINARE	CALCINARE	21	Max WS	27.44	144.77	147.80	147.59	148.88	0.007996	4.62	6.75	3.69	0.85
CALCINARE	CALCINARE	20.335	Lat Struct										
CALCINARE	CALCINARE	20.334	Lat Struct										
CALCINARE	CALCINARE	20.333*	Max WS	27.72	144.63	147.77		148.73	0.006825	4.38	7.40	3.38	0.79
CALCINARE	CALCINARE	19.667*	Max WS	26.68	144.47	147.74	147.13	148.54	0.005376	3.99	7.82	3.06	0.71
CALCINARE	CALCINARE	19.2	Bridge										
CALCINARE	CALCINARE	19	Max WS	26.68	144.28	146.66	146.94	148.24	0.016661	5.58	5.10	2.60	1.18
CALCINARE	CALCINARE	18.752	Lat Struct										
CALCINARE	CALCINARE	18.750*	Max WS	26.59	144.12	146.59	146.96	148.38	0.017753	5.94	4.91	2.34	1.23
CALCINARE	CALCINARE	18.500*	Max WS	26.54	143.95	146.52	146.99	148.60	0.019682	6.44	4.73	2.21	1.30
CALCINARE	CALCINARE	18.250*	Max WS	26.45	143.79	146.44	147.11	148.98	0.023032	7.14	4.43	2.04	1.42
CALCINARE	CALCINARE	18	Max WS	26.33	143.63	146.33	147.29	149.62	0.028982	8.17	4.03	1.85	1.60
CALCINARE	CALCINARE	17.952	Lat Struct										
CALCINARE	CALCINARE	17.950*	Max WS	26.16	143.53	146.19	147.11	149.36	0.028466	8.01	4.04	1.86	1.58
CALCINARE	CALCINARE	17.900*	Max WS	25.99	143.44	146.05	146.94	149.12	0.028002	7.86	4.02	1.87	1.56
CALCINARE	CALCINARE	17.851	Lat Struct										
CALCINARE	CALCINARE	17.850*	Max WS	25.83	143.34	145.92	146.77	148.88	0.027491	7.71	4.02	1.89	1.54
CALCINARE	CALCINARE	17.800*	Max WS	25.68	143.25	145.78	146.60	148.64	0.027000	7.57	4.02	1.90	1.53
CALCINARE	CALCINARE	17.750*	Max WS	25.52	143.15	145.65	146.43	148.41	0.026470	7.42	4.02	1.92	1.51
CALCINARE	CALCINARE	17.700*	Max WS	25.35	143.06	145.53	146.26	148.18	0.025852	7.27	4.04	1.94	1.49
CALCINARE	CALCINARE	17.655	Lat Struct										
CALCINARE	CALCINARE	17.650*	Max WS	25.19	142.96	145.40	146.10	147.95	0.025172	7.12	4.05	1.95	1.47
CALCINARE	CALCINARE	17.600*	Max WS	25.01	142.87	145.28	145.93	147.73	0.024415	6.97	4.07	1.97	1.44
CALCINARE	CALCINARE	17.551	Lat Struct										
CALCINARE	CALCINARE	17.550*	Max WS	24.82	142.77	145.16	145.77	147.50	0.023568	6.81	4.10	1.99	1.41
CALCINARE	CALCINARE	17.500*	Max WS	24.62	142.68	145.05	145.61	147.28	0.022615	6.64	4.14	2.01	1.38
CALCINARE	CALCINARE	17.450*	Max WS	24.40	142.58	144.94	145.45	147.05	0.021534	6.46	4.18	2.03	1.35
CALCINARE	CALCINARE	17.400*	Max WS	24.15	142.48	144.84	145.29	146.82	0.020283	6.26	4.24	2.05	1.31
CALCINARE	CALCINARE	17.355	Lat Struct										
CALCINARE	CALCINARE	17.350*	Max WS	24.15	142.39	144.74	145.15	146.64	0.019396	6.12	4.31	2.07	1.28
CALCINARE	CALCINARE	17.300*	Max WS	24.15	142.29	144.65	145.01	146.46	0.018409	5.97	4.39	2.10	1.25
CALCINARE	CALCINARE	17.251	Lat Struct										
CALCINARE	CALCINARE	17.250*	Max WS	24.15	142.20	144.58	144.88	146.28	0.017403	5.82	4.48	2.12	1.21
CALCINARE	CALCINARE	17.200*	Max WS	24.15	142.10	144.48	144.75	146.10	0.016313	5.66	4.58	2.14	1.18
CALCINARE	CALCINARE	17.150*	Max WS	24.14	142.01	144.40	144.61	145.94	0.015220	5.50	4.69	2.16	1.14
CALCINARE	CALCINARE	17.100*	Max WS	24.14	141.91	144.33	144.48	145.77	0.014077	5.32	4.82	2.17	1.10
CALCINARE	CALCINARE	17.055	Lat Struct										
CALCINARE	CALCINARE	17.050*	Max WS	23.52	141.82	144.26	144.31	145					

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
CALCINARE	CALCINARE	14.22		Lat Struct									
CALCINARE	CALCINARE	14.2		Lat Struct									
CALCINARE	CALCINARE	14	Max WS	20.12	139.20	140.94	141.32	142.01	0.038904	4.64	5.10	9.92	1.14
CALCINARE	CALCINARE	13.805		Lat Struct									
CALCINARE	CALCINARE	13.802		Lat Struct									
CALCINARE	CALCINARE	13.800*	Max WS	19.81	139.03	140.77	141.09	141.73	0.034924	4.41	5.28	7.76	1.08
CALCINARE	CALCINARE	13.800*	Max WS	19.54	138.86	140.62	140.86	141.47	0.030479	4.16	5.57	7.44	1.02
CALCINARE	CALCINARE	13.400*	Max WS	19.31	138.69	140.49	140.63	141.23	0.025691	3.89	5.95	7.36	0.94
CALCINARE	CALCINARE	13.200*	Max WS	19.09	138.52	140.38	140.37	141.01	0.020858	3.60	6.41	7.18	0.85
CALCINARE	CALCINARE	13	Max WS	18.86	138.32	140.29	140.14	140.82	0.016411	3.30	6.91	6.70	0.76
CALCINARE	CALCINARE	12.750*	Max WS	18.61	138.01	140.22		140.67	0.012566	3.13	7.79	5.86	0.68
CALCINARE	CALCINARE	12.502		Lat Struct									
CALCINARE	CALCINARE	12.501		Lat Struct									
CALCINARE	CALCINARE	12.500*	Max WS	18.33	137.71	140.20		140.59	0.009604	2.98	8.57	5.02	0.61
CALCINARE	CALCINARE	12.250*	Max WS	18.30	137.40	140.16		140.56	0.008850	3.07	8.81	4.19	0.59
CALCINARE	CALCINARE	12	Max WS	18.74	137.09	140.04		140.55	0.010934	3.57	8.36	3.35	0.67
CALCINARE	CALCINARE	11	Max WS	18.87	137.07	139.95	139.25	140.57	0.013144	3.86	7.59	3.01	0.73
CALCINARE	CALCINARE	10.50 Ponte su Via del		Bridge									
CALCINARE	CALCINARE	10	Max WS	18.87	137.01	138.58	138.64	139.43	0.034388	4.06	4.64	7.15	1.05
CALCINARE	CALCINARE	9.5		Lat Struct									
CALCINARE	CALCINARE	9.2		Lat Struct									
CALCINARE	CALCINARE	9	Max WS	18.95	136.99	138.53		138.99	0.022957	3.27	7.40	6.92	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	19.01	138.82	138.42		138.89	0.022639	3.33	7.42	6.81	0.86
CALCINARE	CALCINARE	8.8000*	Max WS	18.99	136.66	138.31		138.78	0.022250	3.37	7.44	6.71	0.86
CALCINARE	CALCINARE	8.7000*	Max WS	18.98	136.49	138.19		138.68	0.021952	3.43	7.47	6.62	0.85
CALCINARE	CALCINARE	8.6000*	Max WS	18.97	136.32	138.09		138.58	0.021743	3.49	7.50	6.54	0.85
CALCINARE	CALCINARE	8.5000*	Max WS	18.95	136.16	137.98		138.48	0.021627	3.56	7.52	6.35	0.86
CALCINARE	CALCINARE	8.405		Lat Struct									
CALCINARE	CALCINARE	8.402		Lat Struct									
CALCINARE	CALCINARE	8.4000*	Max WS	18.86	135.99	137.87		138.37	0.021579	3.63	7.51	6.12	0.86
CALCINARE	CALCINARE	8.3000*	Max WS	18.87	135.82	137.76		138.27	0.021430	3.70	7.49	5.89	0.86
CALCINARE	CALCINARE	8.2000*	Max WS	18.33	135.65	137.67		138.17	0.020991	3.74	7.49	5.68	0.86
CALCINARE	CALCINARE	8.1000*	Max WS	17.82	135.49	137.58		138.06	0.020011	3.75	7.52	5.47	0.84
CALCINARE	CALCINARE	8	Max WS	16.40	135.32	137.53		137.93	0.016493	3.52	7.68	5.31	0.77
CALCINARE	CALCINARE	7.8000*	Max WS	15.52	135.26	137.55		137.82	0.011016	2.97	8.80	5.77	0.63
CALCINARE	CALCINARE	7.650		Lat Struct									
CALCINARE	CALCINARE	7.61		Lat Struct									
CALCINARE	CALCINARE	7.6000*	Max WS	14.62	135.20	137.58		137.76	0.007308	2.50	10.03	6.20	0.52
CALCINARE	CALCINARE	7.4000*	Max WS	13.67	135.13	137.60		137.73	0.004903	2.11	11.30	6.64	0.43
CALCINARE	CALCINARE	7.2000*	Max WS	12.64	135.07	137.62		137.71	0.003285	1.77	12.61	7.07	0.36
CALCINARE	CALCINARE	7	Max WS	11.43	135.01	137.64		137.70	0.002139	1.46	13.97	7.50	0.29
CALCINARE	CALCINARE	6.5000*	Max WS	10.33	134.99	137.65		137.69	0.001530	1.23	14.09	7.50	0.24
CALCINARE	CALCINARE	6	Max WS	9.09	134.97	137.66		137.69	0.001039	1.01	14.29	7.50	0.20
CALCINARE	CALCINARE	5.50 Opera intubata v		Culvert									
CALCINARE	CALCINARE	5	Max WS	10.51	134.65	136.17	136.12	136.54	0.024097	3.39	5.27	6.60	0.88
CALCINARE	CALCINARE	4.5		Lat Struct									
CALCINARE	CALCINARE	4.3		Lat Struct									
CALCINARE	CALCINARE	4	Max WS	10.51	134.60	136.13		136.48	0.022755	3.32	5.36	6.52	0.86
CALCINARE	CALCINARE	3.7500*	Max WS	10.34	134.52	136.05		136.38	0.021716	3.22	5.47	6.89	0.84
CALCINARE	CALCINARE	3.5000*	Max WS	10.31	134.42	135.96		136.28	0.020986	3.15	5.61	7.16	0.82
CALCINARE	CALCINARE	3.2500*	Max WS	8.50	134.32	135.93		136.10	0.011992	2.41	6.06	7.37	0.62
CALCINARE	CALCINARE	3	Max WS	8.32	134.22	135.91		136.05	0.008639	2.09	6.80	7.51	0.52
CALCINARE	CALCINARE	2.9855*	Max WS	8.26	134.20	135.91		136.04	0.008042	2.03	6.92	7.52	0.51
CALCINARE	CALCINARE	2.9710*	Max WS	8.20	134.18	135.91		136.03	0.007474	1.97	7.05	7.53	0.49
CALCINARE	CALCINARE	2.9565*	Max WS	8.15	134.16	135.91		136.02	0.006948	1.91	7.18	7.54	0.47
CALCINARE	CALCINARE	2.9420*	Max WS	8.09	134.13	135.91		136.01	0.006451	1.86	7.31	7.55	0.46
CALCINARE	CALCINARE	2.9275*	Max WS	8.03	134.11	135.90		136.00	0.005987	1.81	7.45	7.55	0.44
CALCINARE	CALCINARE	2.9130*	Max WS	7.97	134.09	135.90		136.00	0.005563	1.75	7.59	7.56	0.43
CALCINARE	CALCINARE	2.8986*	Max WS	7.91	134.07	135.90		135.99	0.005179	1.70	7.73	7.61	0.41
CALCINARE	CALCINARE	2.8841*	Max WS	7.85	134.05	135.90		135.99	0.004836	1.66	7.87	7.73	0.40
CALCINARE	CALCINARE	2.8696*	Max WS	7.78	134.03	135.90		135.98	0.004510	1.62	8.02	7.85	0.39
CALCINARE	CALCINARE	2.8551*	Max WS	7.70	134.01	135.90		135.98	0.004180	1.57	8.18	7.97	0.37
CALCINARE	CALCINARE	2.8408		Lat Struct									
CALCINARE	CALCINARE	2.8407		Lat Struct									
CALCINARE	CALCINARE	2.8406*	Max WS	7.64	133.98	135.90		135.97	0.003874	1.52	8.33	7.99	0.36
CALCINARE	CALCINARE	2.8261*	Max WS	7.57	133.96	135.90		135.97	0.003579	1.47	8.50	7.97	0.35
CALCINARE	CALCINARE	2.8116*	Max WS	7.50	133.94	135.90		135.96	0.003310	1.43	8.66	7.94	0.33
CALCINARE	CALCINARE	2.7971*	Max WS	7.42	133.92	135.90		135.96	0.003065	1.38	8.82	7.92	0.32
CALCINARE	CALCINARE	2.7859		Lat Struct									
CALCINARE	CALCINARE	2.7858		Lat Struct									
CALCINARE	CALCINARE	2.7826*	Max WS	7.36	133.90	135.90		135.96	0.002841	1.34	8.98	7.90	0.31
CALCINARE	CALCINARE	2.7681*	Max WS	7.29	133.88	135.90		135.95	0.002636	1.30	9.14	7.87	0.30
CALCINARE	CALCINARE	2.7536*	Max WS	7.22	133.86	135.90		135.95	0.002447	1.26	9.30	7.85	0.29
CALCINARE	CALCINARE	2.7391*	Max WS	7.15	133.83	135.90		135.95	0.002270	1.23	9.46	7.83	0.28
CALCINARE	CALCINARE	2.7246*	Max WS	7.07	133.81	135.90		135.95	0.002109	1.19	9.62	7.80	0.27
CALCINARE	CALCINARE	2.7101*	Max WS	7.00	133.79	135.90		135.94	0.001958	1.16	9.78	7.78	0.26
CALCINARE	CALCINARE	2.6957*	Max WS	6.92	133.77	135.90		135.94	0.001820	1.12	9.93	7.75	0.25
CALCINARE	CALCINARE	2.6812*	Max WS	6.84	133.75	135.90		135.94	0.001690	1.09	10.09	7.73	0.24
CALCINARE	CALCINARE	2.6667*	Max WS	6.76	133.73	135.90		135.94	0.001571	1.06	10.25	7.71	0.23
CALCINARE	CALCINARE	2.6522*	Max WS	6.68	133.71	135.90		135.94	0.001462	1.03	10.40	7.68	0.23
CALCINARE	CALCINARE	2.6377*	Max WS	6.60	133.68	135.90		135.94	0.001359	1.00	10.56	7.66	0.22
CALCINARE	CALCINARE	2.6232*	Max WS	6.52	133.66	135.90		135.94	0.001264	0.97	10.71	7.64	0.21
CALCINARE	CALCINARE	2.6087*	Max WS	6.44	133.64	135.91		135.93	0.001177	0.94	10.87	7.61	0.20
CALCINARE	CALCINARE	2.5942*	Max WS	6.35	133.62	135.91		135.93	0.001095	0.91	11.02	7.59	0.20
CALCINARE	CALCINARE	2.5797*	Max WS	6.27	133.60	135.91		135.93	0.001019	0.89	11.17	7.57	0.19
CALCINARE	CALCINARE	2.5652*	Max WS	6.18	133.58	135.91		135.93	0.000948	0.86	11.32	7.54	0.18
CALCINARE	CALCINARE	2.5507*	Max WS	6.10	133.56	135.91		135.93	0.000882	0.84	11.47	7.52	0.18
CALCINARE	CALCINARE	2.5362*	Max WS	6.01	133.53	135.91		135.93	0.000820	0.81	11.62	7.49	0.17
CALCINARE	CALCINARE	2.5217*	Max WS	5.92	133.51	135.91		135.93	0.000763	0.79	11.77	7.47	0.17
CALCINARE	CALCINARE	2.5072*	Max WS	5.82	133.49	135.91		135.93	0.000709	0.76	11.92	7.45	0.16
CALCINARE	CALCINARE	2.4928*	Max WS	5.73	133.47	135.91		135.93	0.000658	0.74	12.06	7.42	0.15
CALCINARE	CALCINARE	2.4783*	Max WS	5.64	133.45	135.91		135.93	0.000612	0.72	12.21	7.40	0.15
CALCINARE	CALCINARE	2.4638*	Max WS	5.54	133.43	135.91		135.93	0.000569	0.70	12.36	7.38	0.14
CALCINARE	CALCINARE	2.4493*	Max WS	5.45	133.40	135.91		135.93	0.000528	0.67	12.50	7.35	0.14
CALCINARE	CALCINARE	2.4348*	Max WS	5.35	133.38	135.91		135.93	0.000490	0.65	12.65	7.33	0.13
CALCINARE	CALCINARE	2.4203*	Max WS	5.25	133.36	135.91		135.93	0.000454	0.63	12.79	7.31	0.13
CALCINARE	CALCINARE	2.4058*	Max WS	5.15	133.34	135.91		135.93	0.000420	0.61	12.93	7.28	0.12
CALCINARE													

HEC-RAS Plan: S0_TR500* Profile: Max WS (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
CALCINARE	CALCINARE	2.3043*	Max WS	4.44	133.19	135.92		135.93	0.000244	0.49	13.90	7.12	0.10
CALCINARE	CALCINARE	2.2899*	Max WS	4.35	133.17	135.92		135.93	0.000226	0.47	14.04	7.09	0.09
CALCINARE	CALCINARE	2.2754*	Max WS	4.26	133.15	135.92		135.93	0.000210	0.46	14.17	7.07	0.09
CALCINARE	CALCINARE	2.2609*	Max WS	4.17	133.13	135.92		135.93	0.000195	0.44	14.30	7.05	0.09
CALCINARE	CALCINARE	2.2464*	Max WS	4.09	133.10	135.92		135.93	0.000182	0.43	14.43	7.02	0.08
CALCINARE	CALCINARE	2.2319*	Max WS	4.02	133.08	135.92		135.93	0.000170	0.42	14.56	7.00	0.08
CALCINARE	CALCINARE	2.2174*	Max WS	3.95	133.06	135.92		135.93	0.000159	0.40	14.69	6.97	0.08
CALCINARE	CALCINARE	2.2029*	Max WS	3.88	133.04	135.92		135.93	0.000149	0.39	14.82	6.95	0.08
CALCINARE	CALCINARE	2.1884*	Max WS	3.82	133.02	135.92		135.93	0.000140	0.38	14.95	6.93	0.07
CALCINARE	CALCINARE	2.1739*	Max WS	3.76	133.00	135.92		135.93	0.000131	0.37	15.07	6.90	0.07
CALCINARE	CALCINARE	2.1594*	Max WS	3.70	132.98	135.92		135.93	0.000123	0.36	15.20	6.88	0.07
CALCINARE	CALCINARE	2.1449*	Max WS	3.64	132.95	135.92		135.93	0.000116	0.35	15.32	6.86	0.07
CALCINARE	CALCINARE	2.1304*	Max WS	3.58	132.93	135.92		135.93	0.000109	0.35	15.45	6.83	0.07
CALCINARE	CALCINARE	2.1159*	Max WS	3.52	132.91	135.92		135.93	0.000102	0.34	15.57	6.81	0.06
CALCINARE	CALCINARE	2.1015*	Max WS	3.45	132.89	135.92		135.93	0.000096	0.33	15.69	6.78	0.06
CALCINARE	CALCINARE	2.0870*	Max WS	3.39	132.87	135.92		135.93	0.000090	0.32	15.81	6.76	0.06
CALCINARE	CALCINARE	2.0725*	Max WS	3.32	132.85	135.92		135.93	0.000084	0.31	15.93	6.74	0.06
CALCINARE	CALCINARE	2.0580*	Max WS	3.26	132.83	135.92		135.93	0.000078	0.30	16.05	6.71	0.06
CALCINARE	CALCINARE	2.0435*	Max WS	3.19	132.80	135.92		135.93	0.000073	0.29	16.17	6.69	0.05
CALCINARE	CALCINARE	2.0290*	Max WS	3.11	132.78	135.92		135.93	0.000068	0.28	16.28	6.67	0.05
CALCINARE	CALCINARE	2.0145*	Max WS	3.04	132.76	135.92		135.93	0.000063	0.27	16.40	6.64	0.05
CALCINARE	CALCINARE	2	Max WS	2.96	132.74	135.92		135.93	0.000058	0.26	16.51	6.62	0.05
CALCINARE	CALCINARE	1.9093			Lat Struct								
CALCINARE	CALCINARE	1.9091*	Max WS	2.88	132.72	135.92		135.93	0.000055	0.26	16.67	6.81	0.05
CALCINARE	CALCINARE	1.8182*	Max WS	2.80	132.71	135.92		135.92	0.000052	0.25	16.78	7.01	0.05
CALCINARE	CALCINARE	1.7273*	Max WS	2.72	132.69	135.92		135.92	0.000049	0.25	16.84	7.20	0.04
CALCINARE	CALCINARE	1.6669			Lat Struct								
CALCINARE	CALCINARE	1.6668			Lat Struct								
CALCINARE	CALCINARE	1.6364*	Max WS	2.64	132.67	135.92		135.92	0.000047	0.24	16.84	7.40	0.04
CALCINARE	CALCINARE	1.5455*	Max WS	2.57	132.65	135.92		135.92	0.000045	0.24	16.80	7.59	0.04
CALCINARE	CALCINARE	1.4545*	Max WS	2.49	132.64	135.92		135.92	0.000044	0.24	16.70	7.78	0.04
CALCINARE	CALCINARE	1.3636*	Max WS	2.43	132.62	135.92		135.92	0.000043	0.24	16.55	7.98	0.04
CALCINARE	CALCINARE	1.2727*	Max WS	2.15	132.60	135.92		135.92	0.000035	0.22	16.36	8.17	0.04
CALCINARE	CALCINARE	1.1818*	Max WS	2.09	132.58	135.92		135.92	0.000034	0.21	16.11	8.36	0.04
CALCINARE	CALCINARE	1.0909*	Max WS	2.03	132.57	135.92		135.92	0.000033	0.21	15.81	8.56	0.04
CALCINARE	CALCINARE	1	Max WS	1.96	132.55	135.92		135.92	0.000032	0.21	15.46	8.75	0.04

3. SCENARIO 1

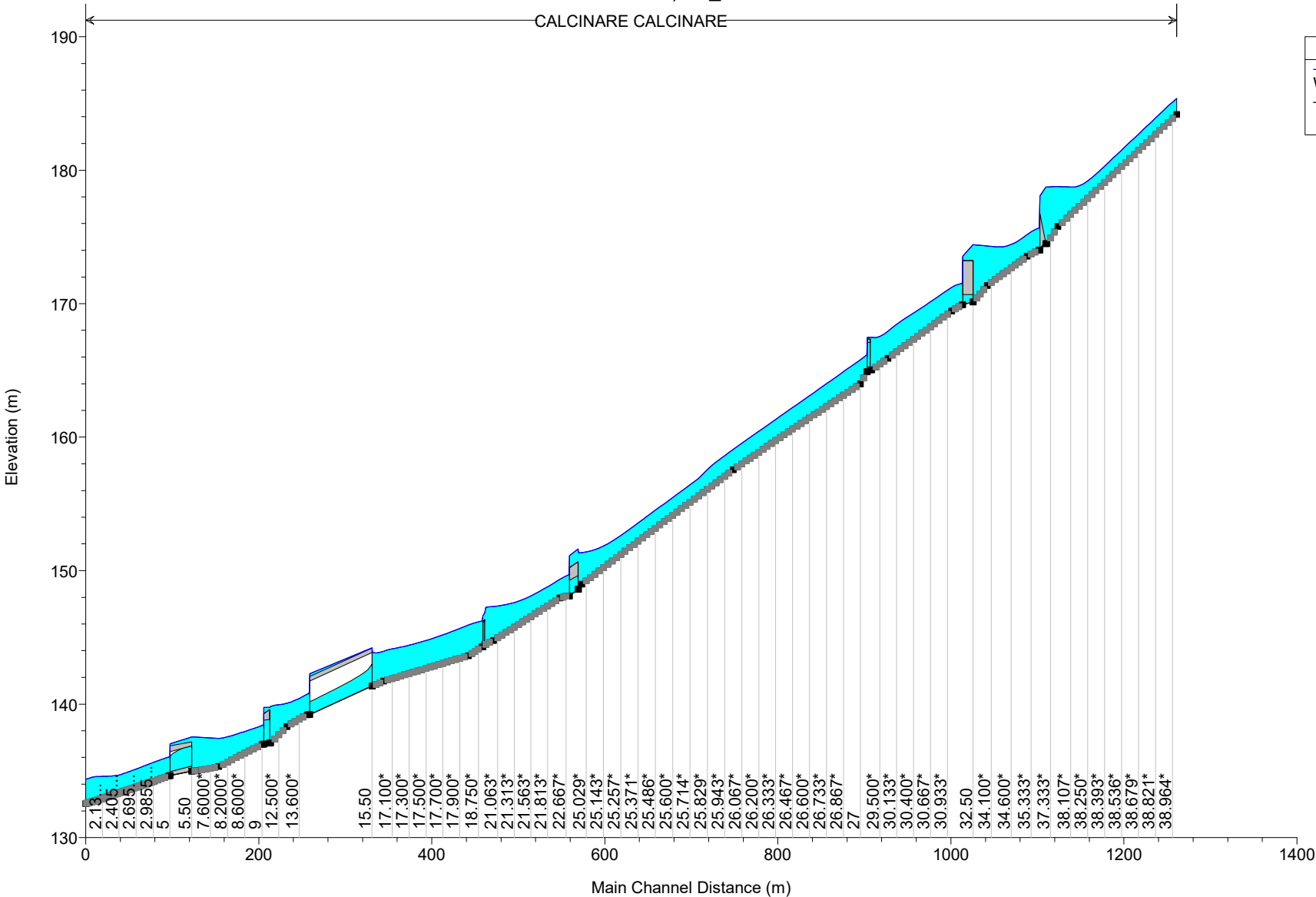
terni Plan: 1) S1_TR50** 30/05/2024

← CALCINARE CALCINARE →

Legend

WS Max WS

Ground



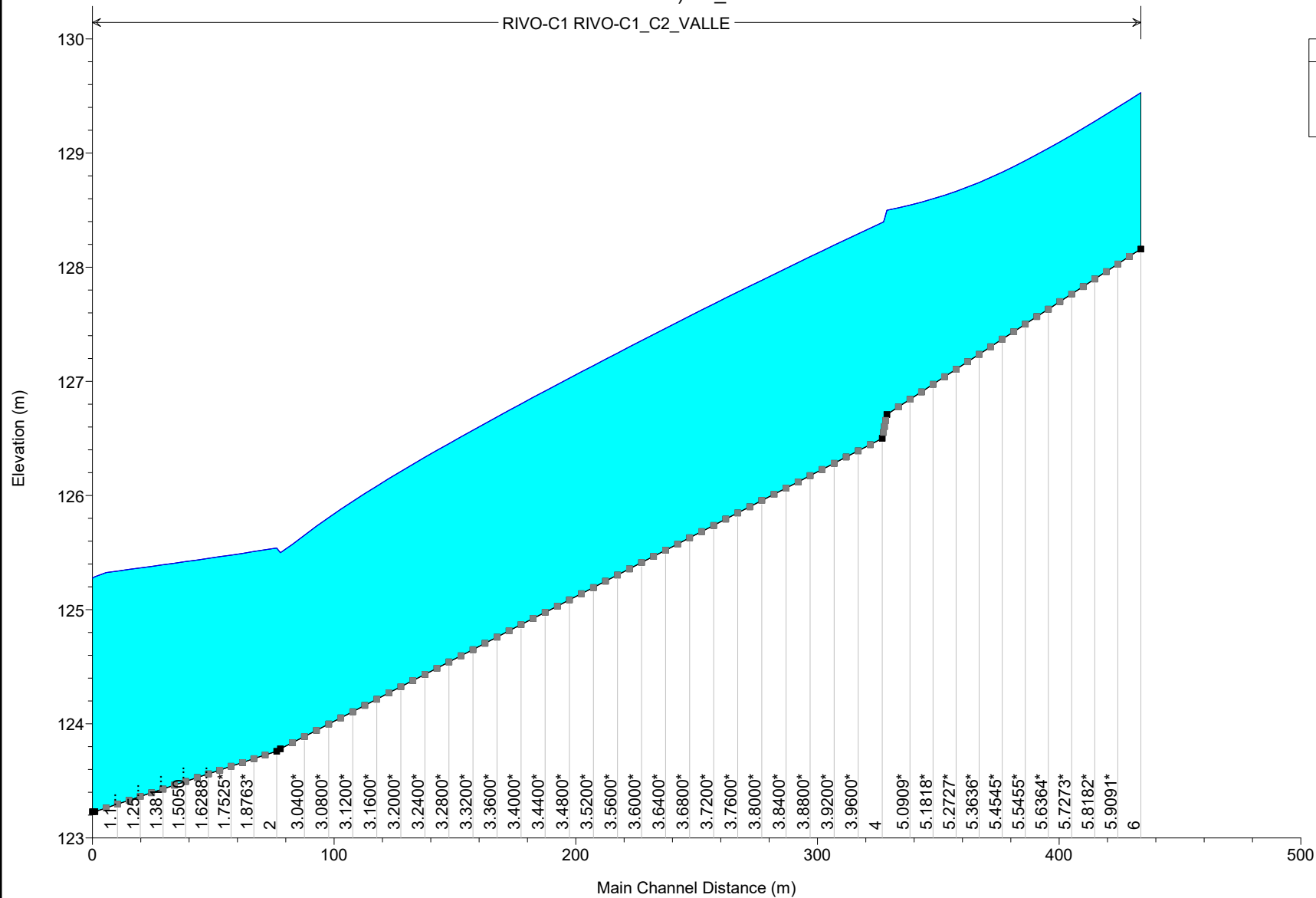
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RIVO-C1 RIVO-C1_C2_VALLE

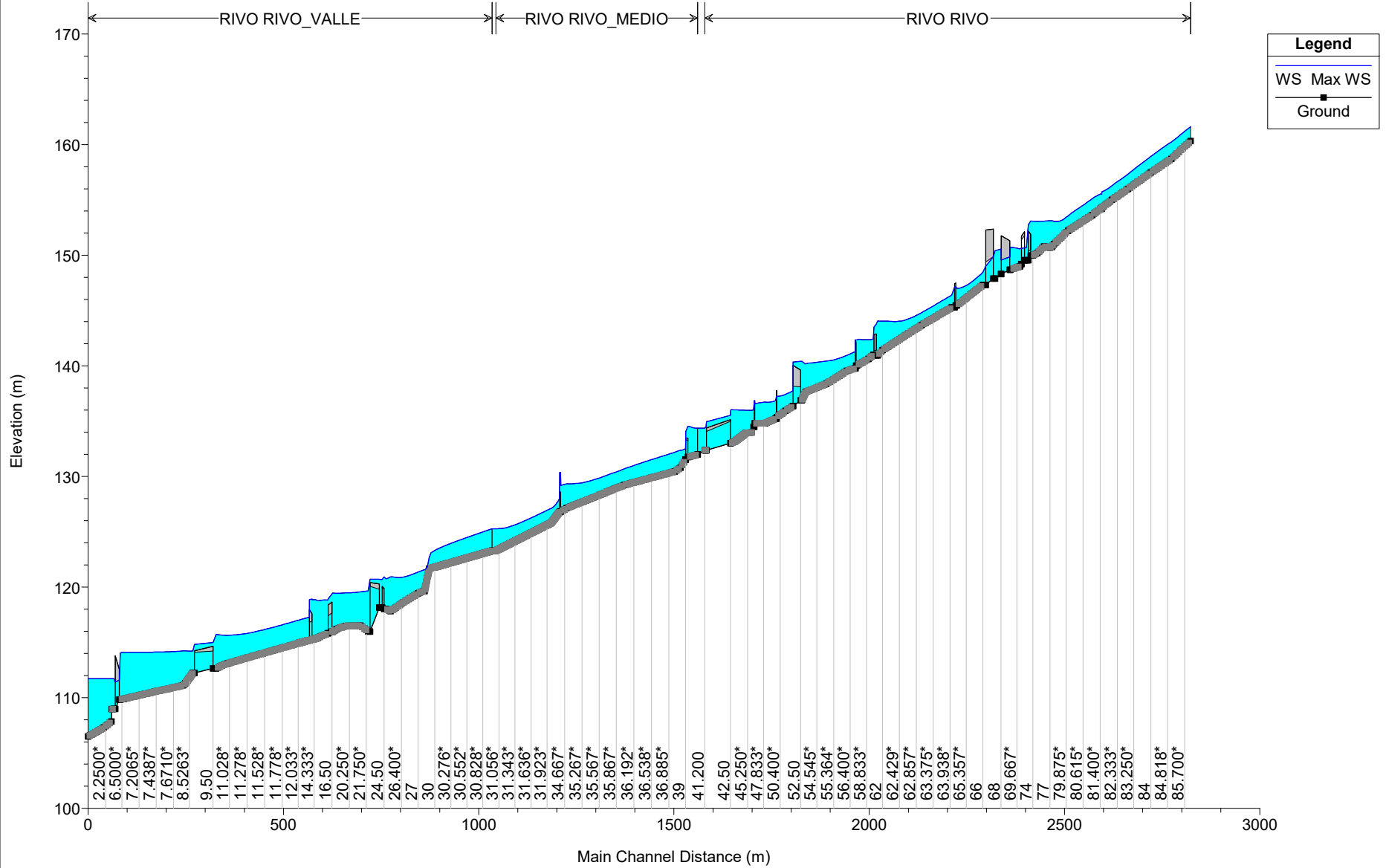
Legend

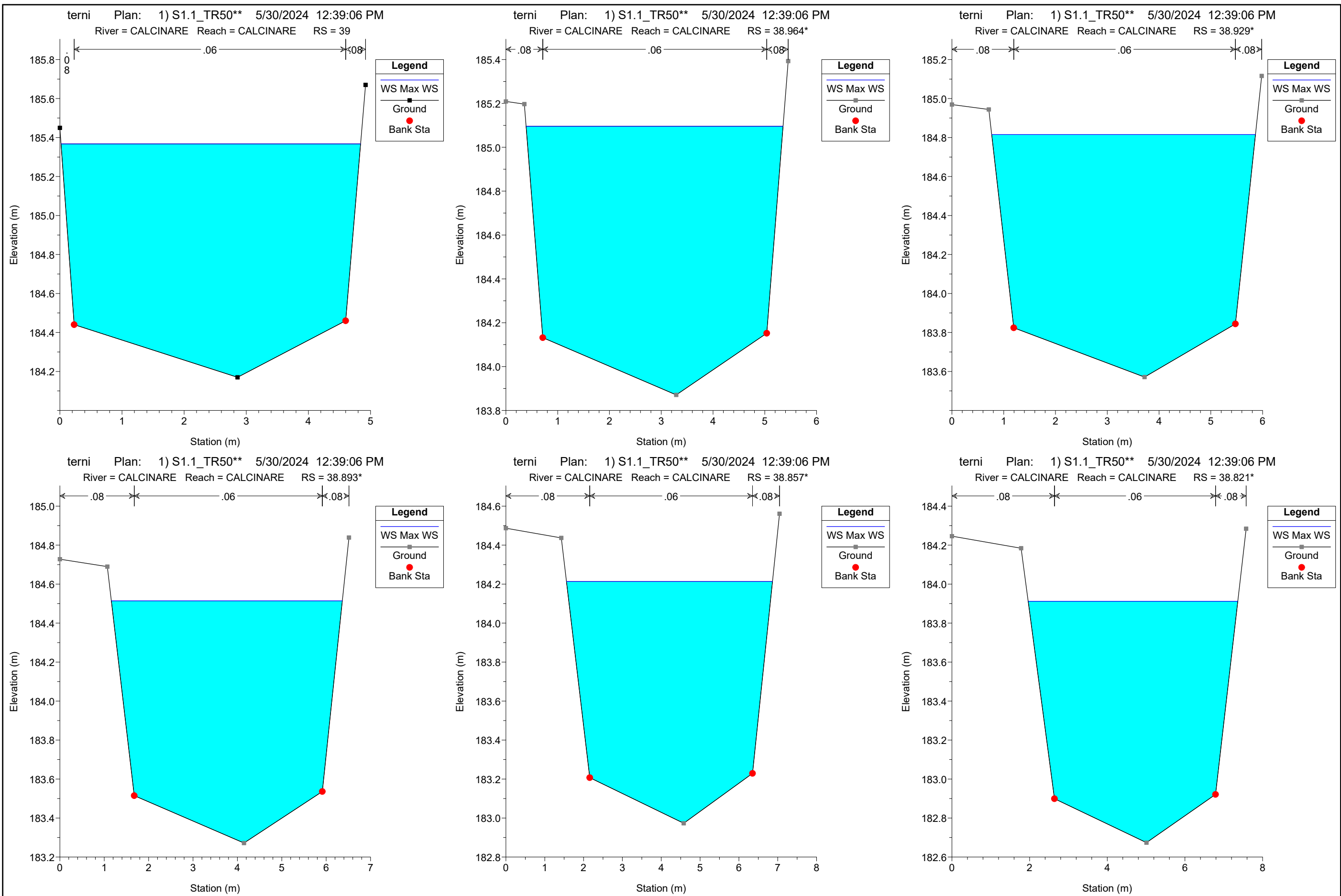
WS Max WS

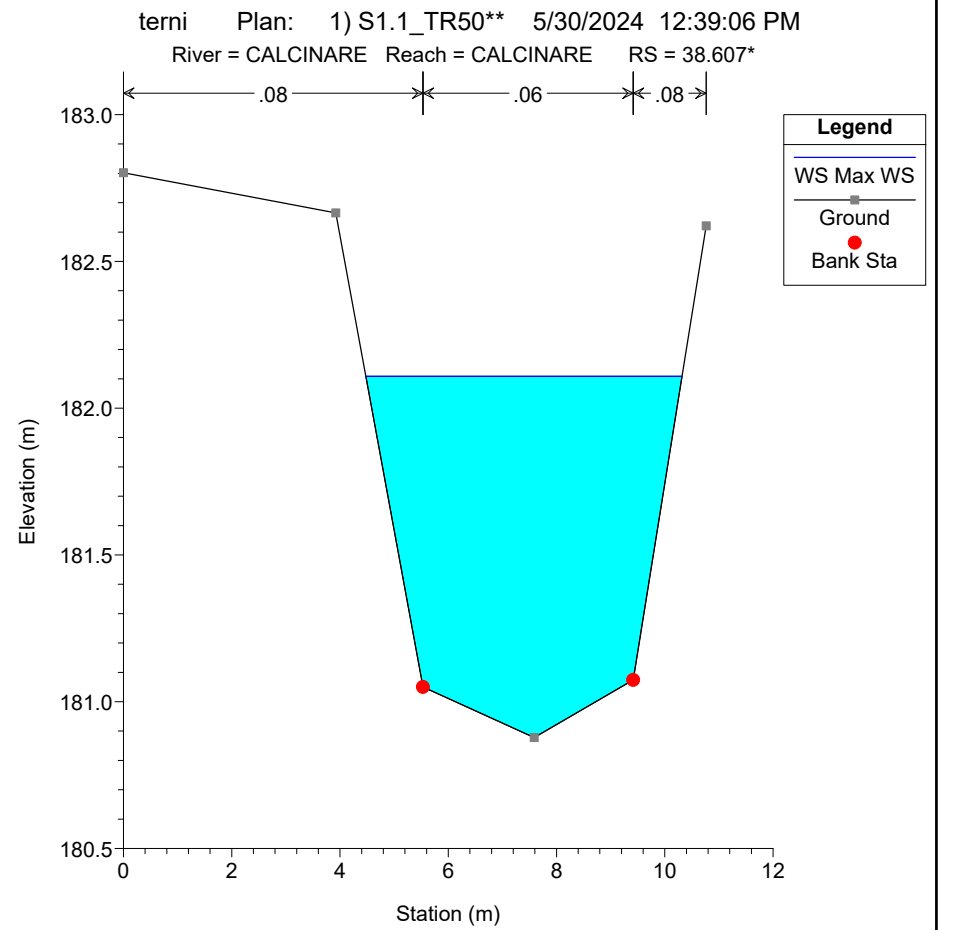
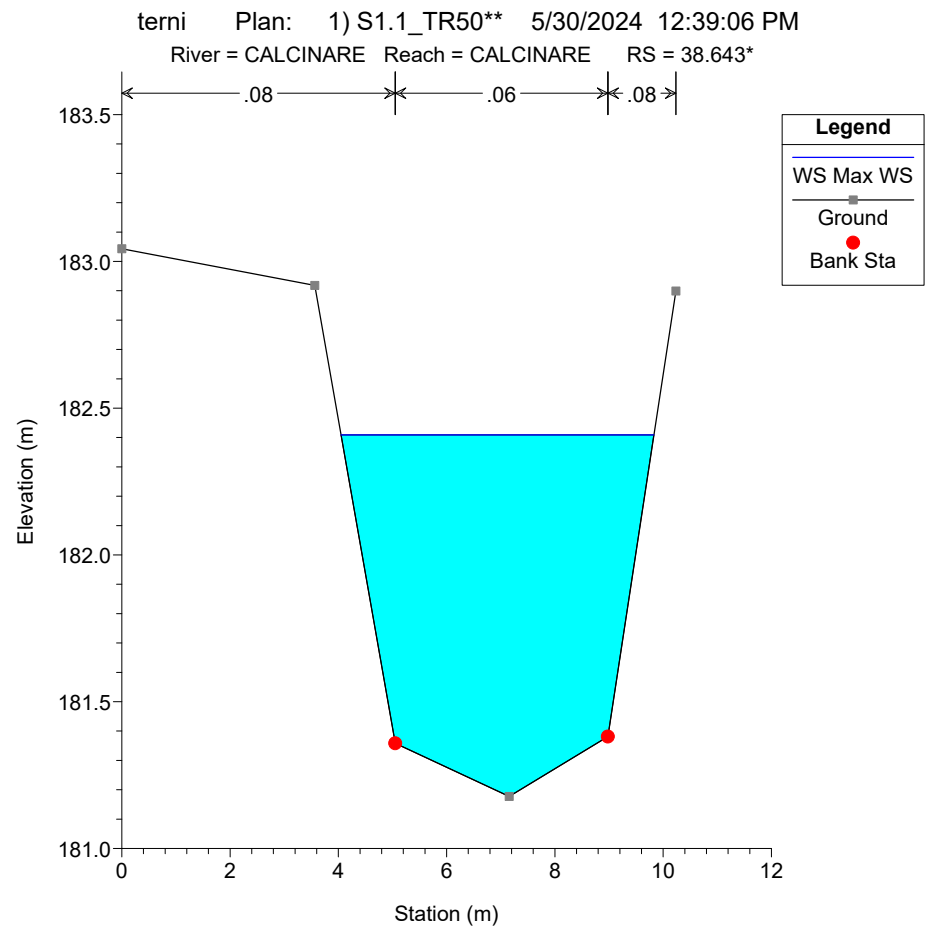
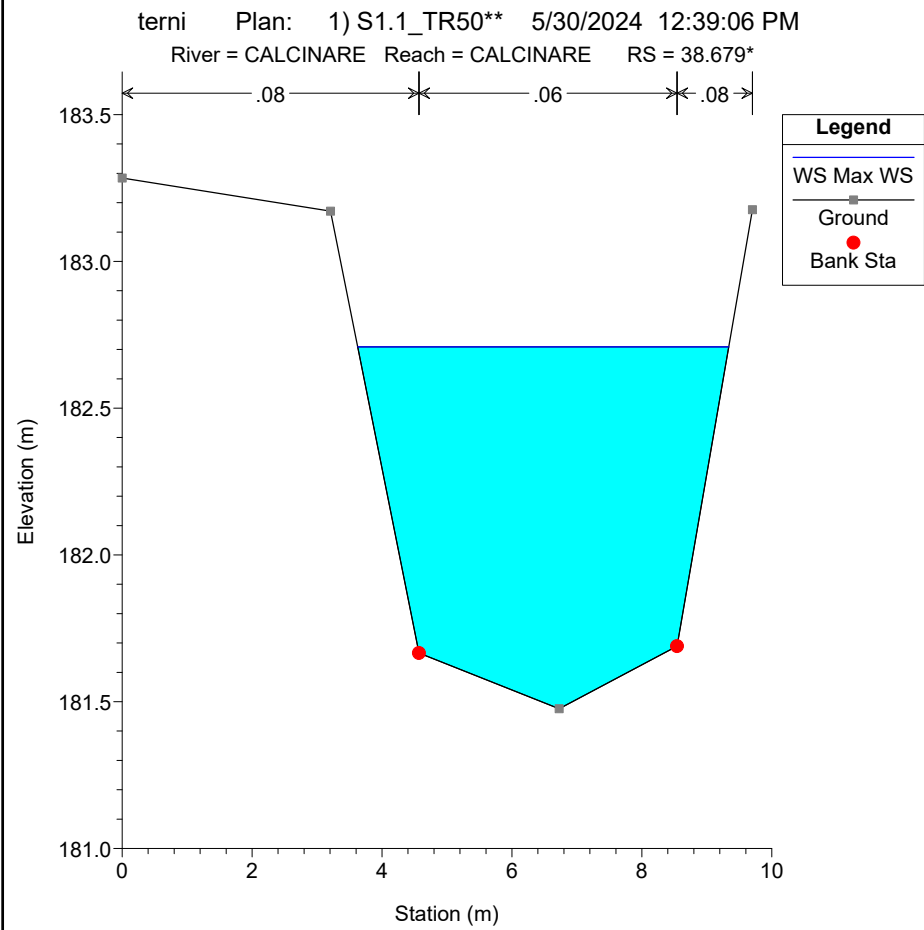
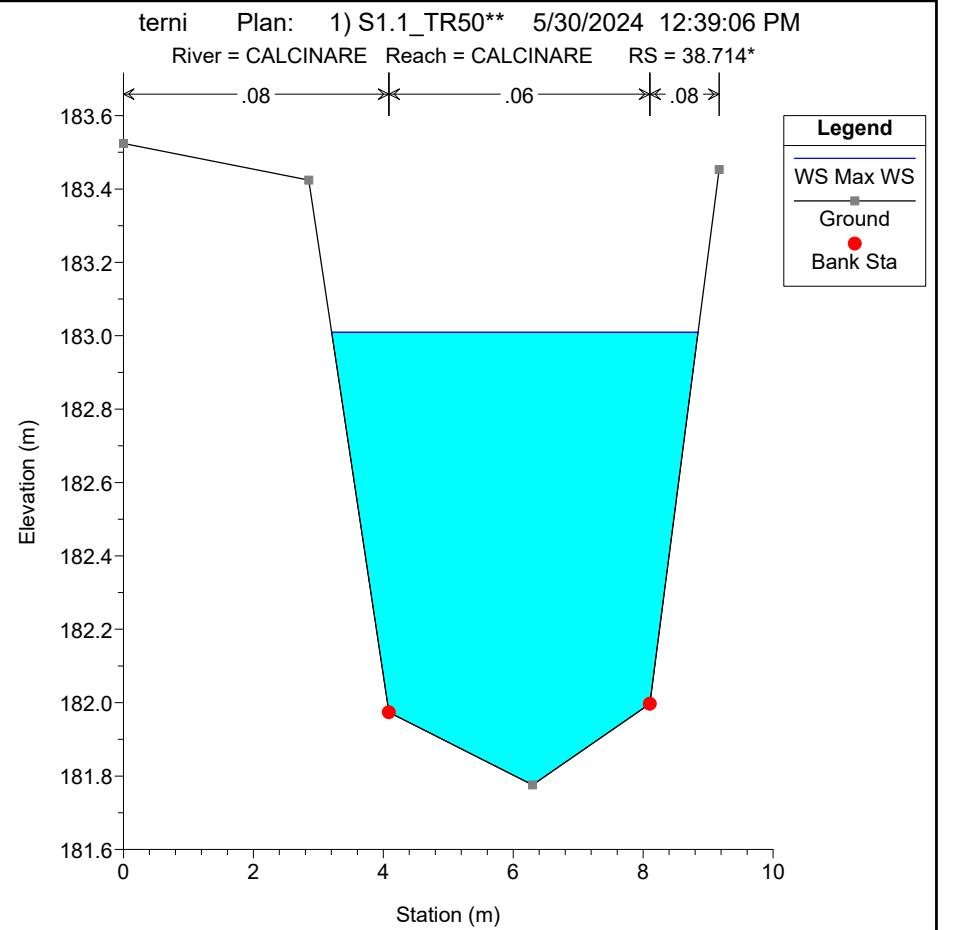
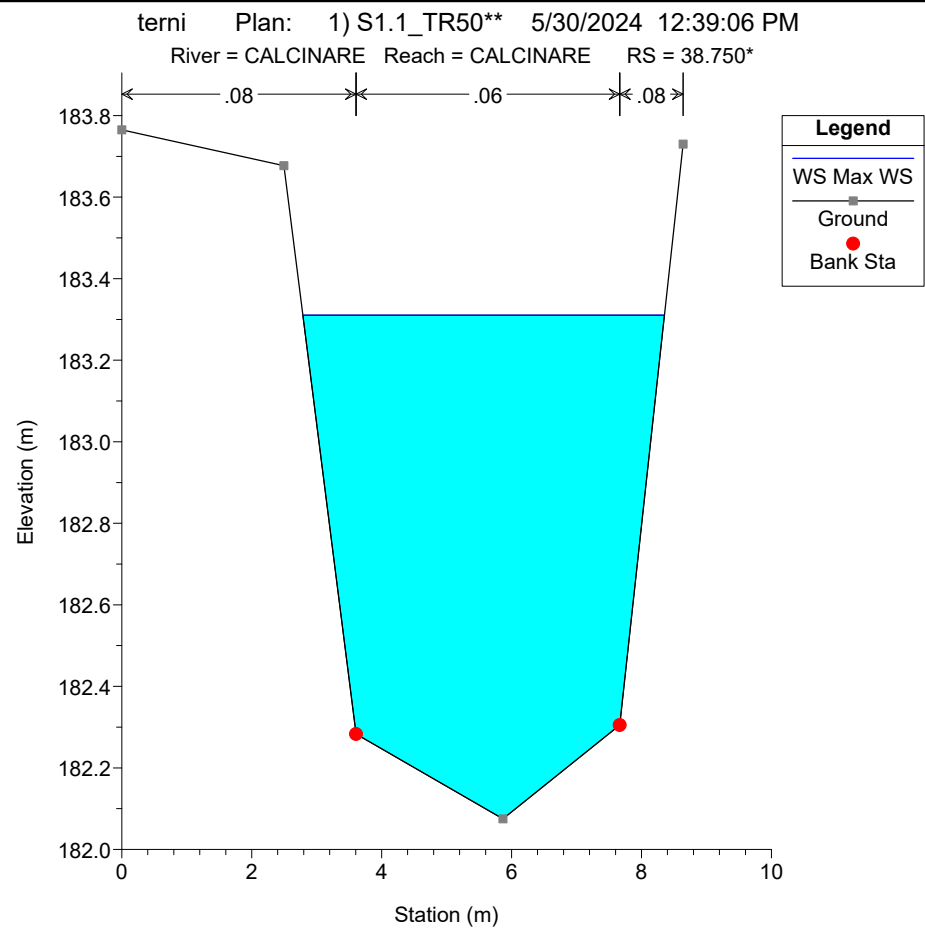
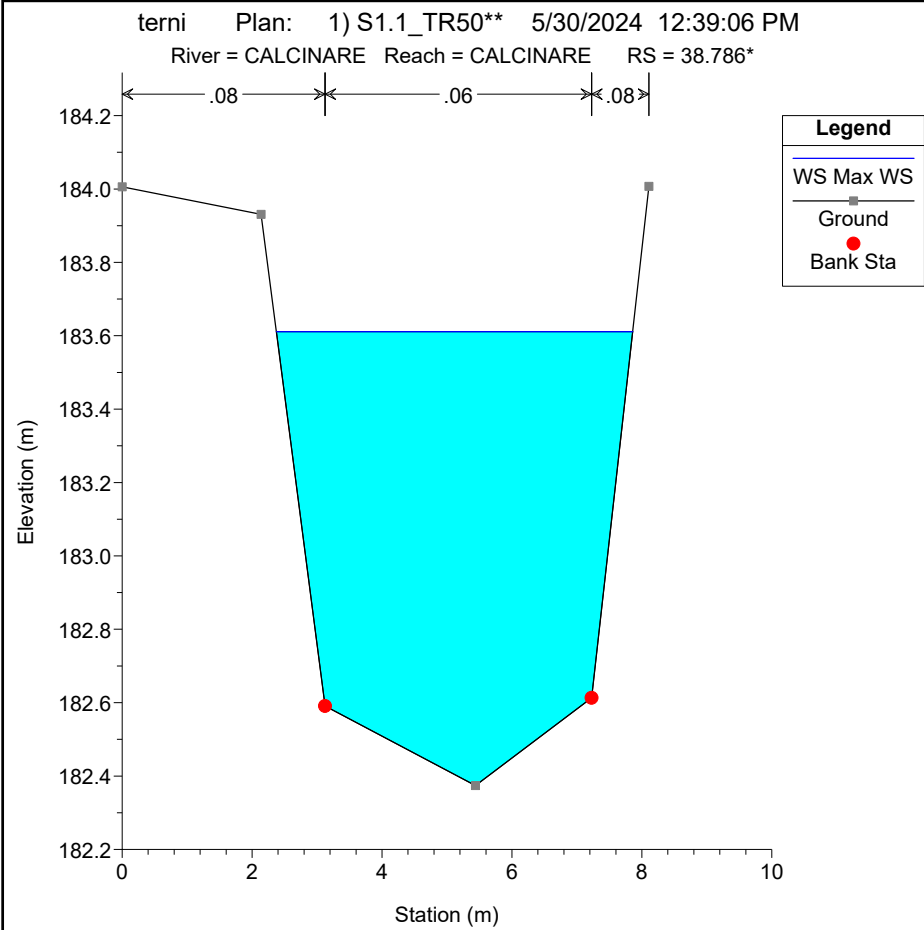
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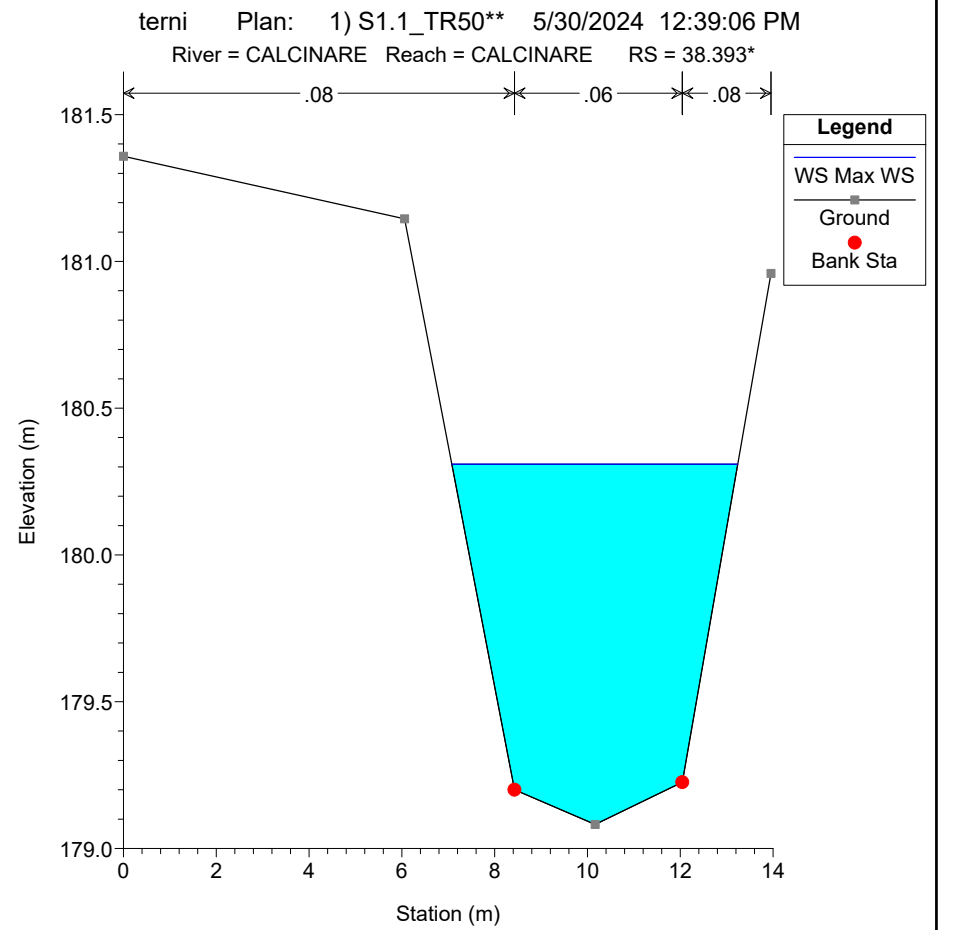
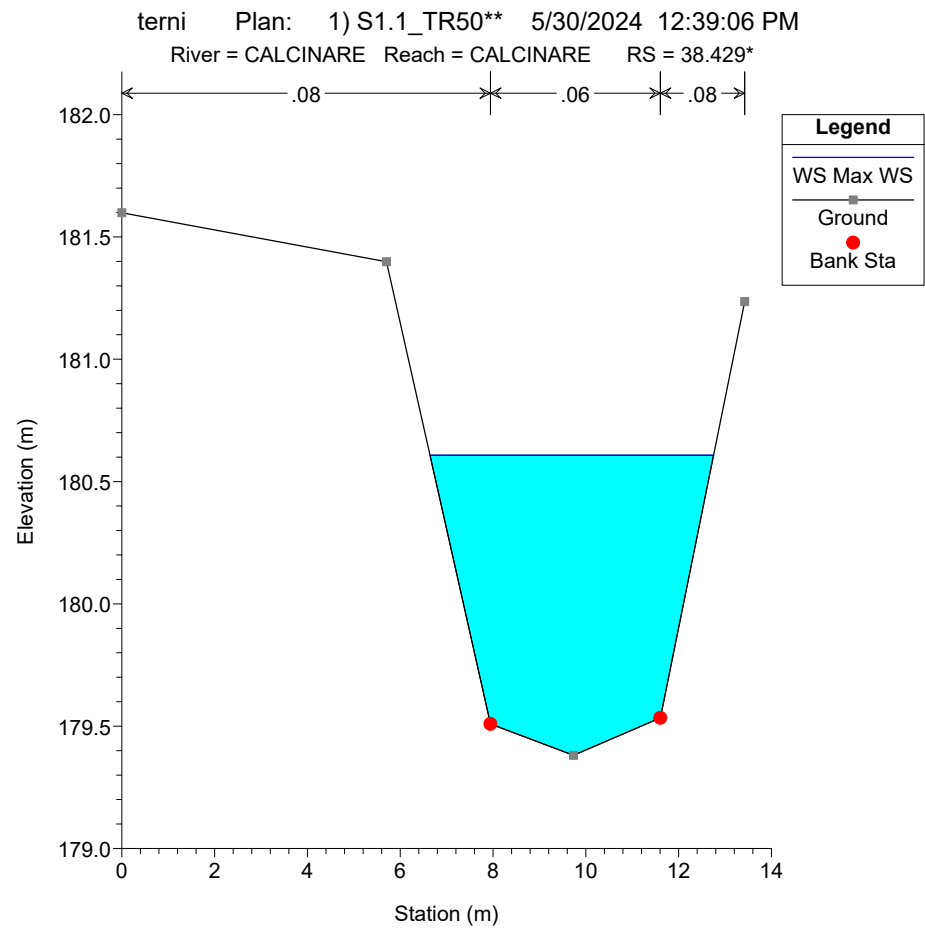
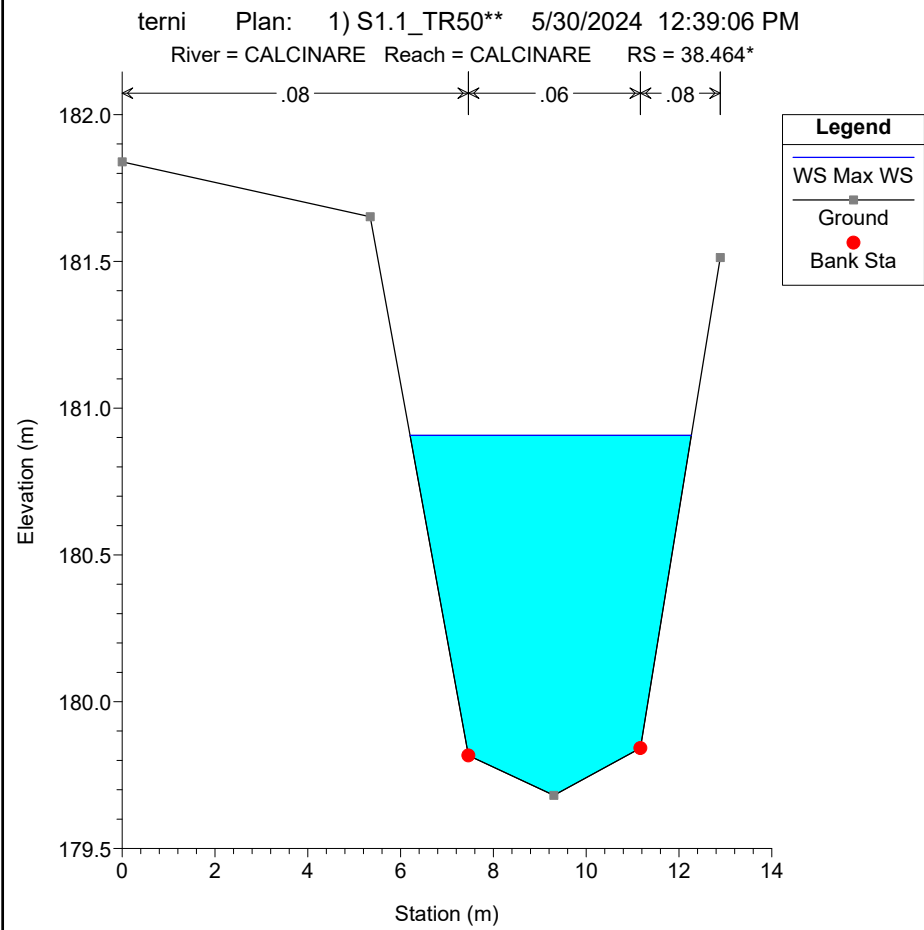
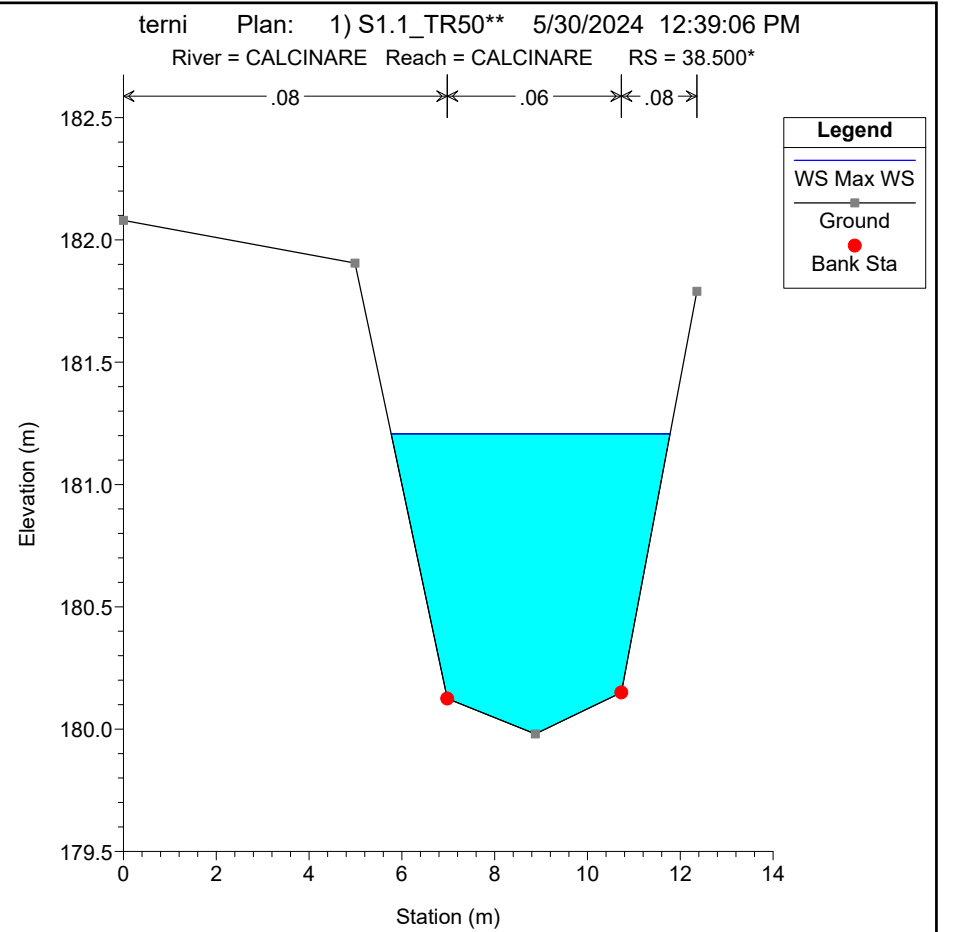
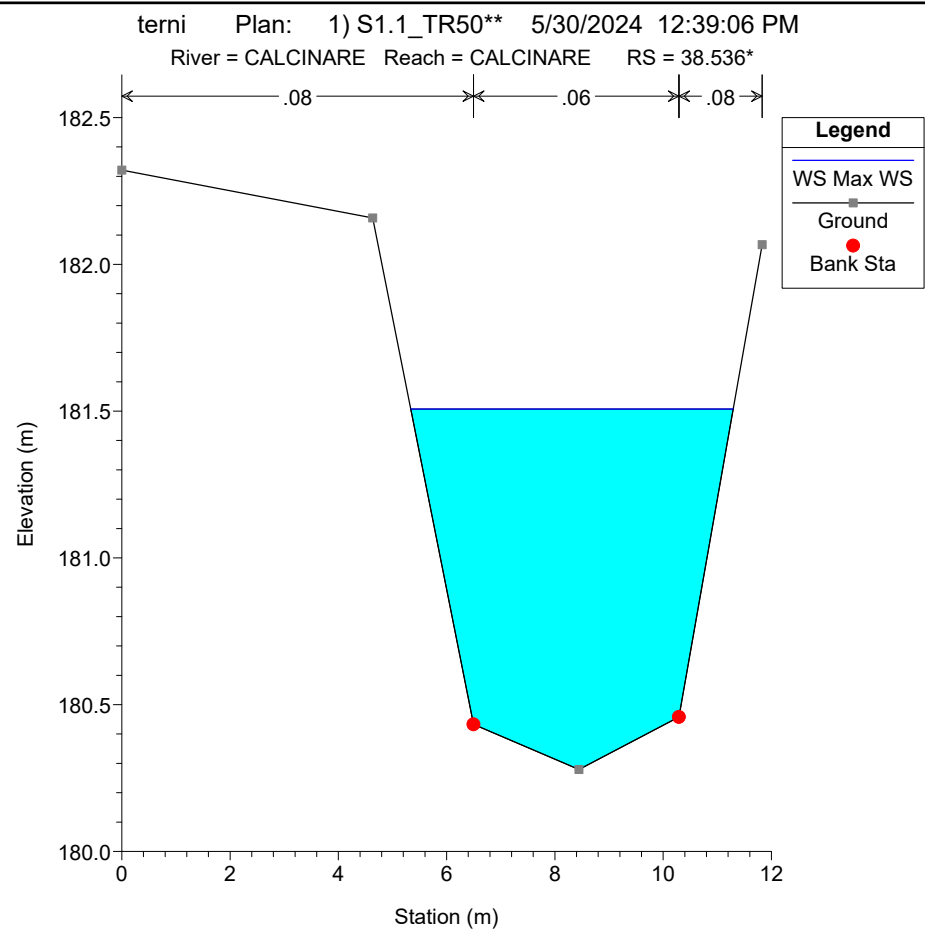
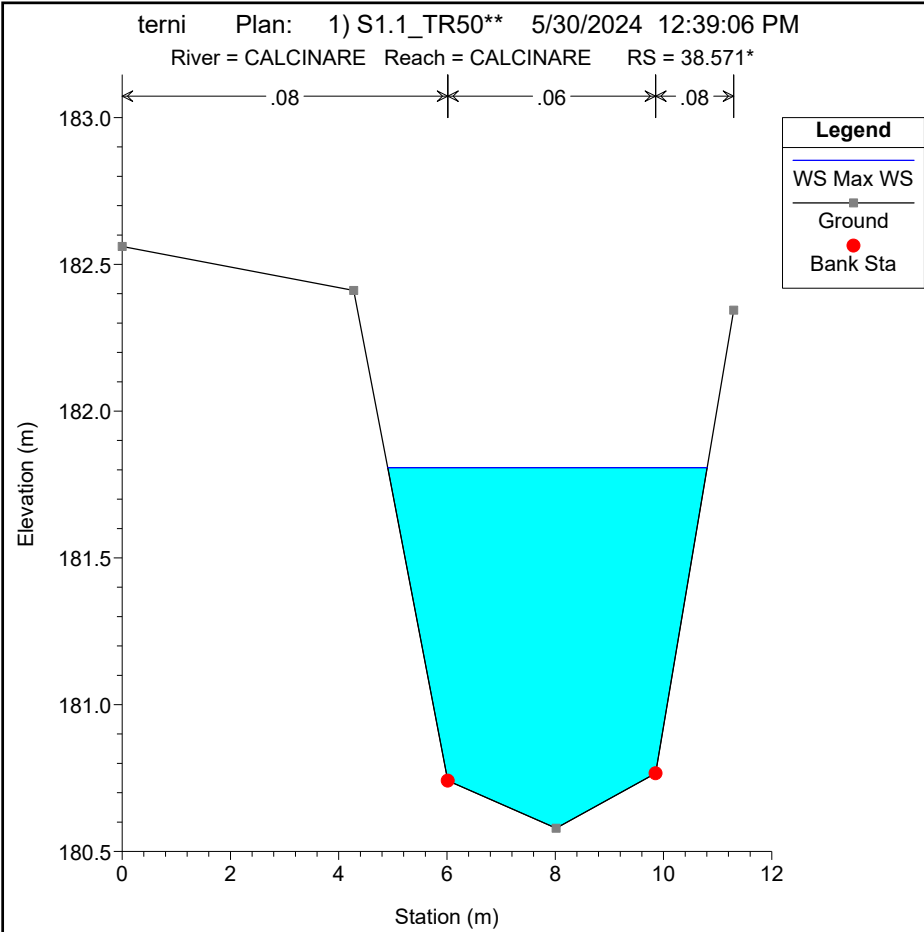


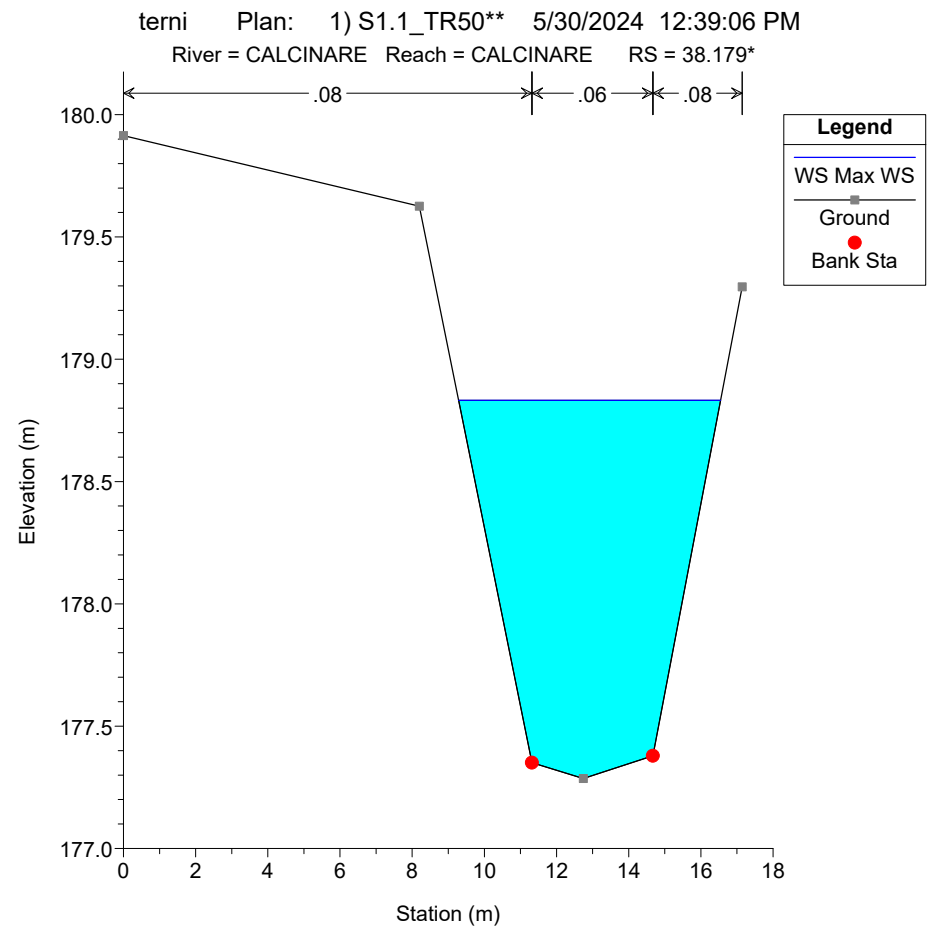
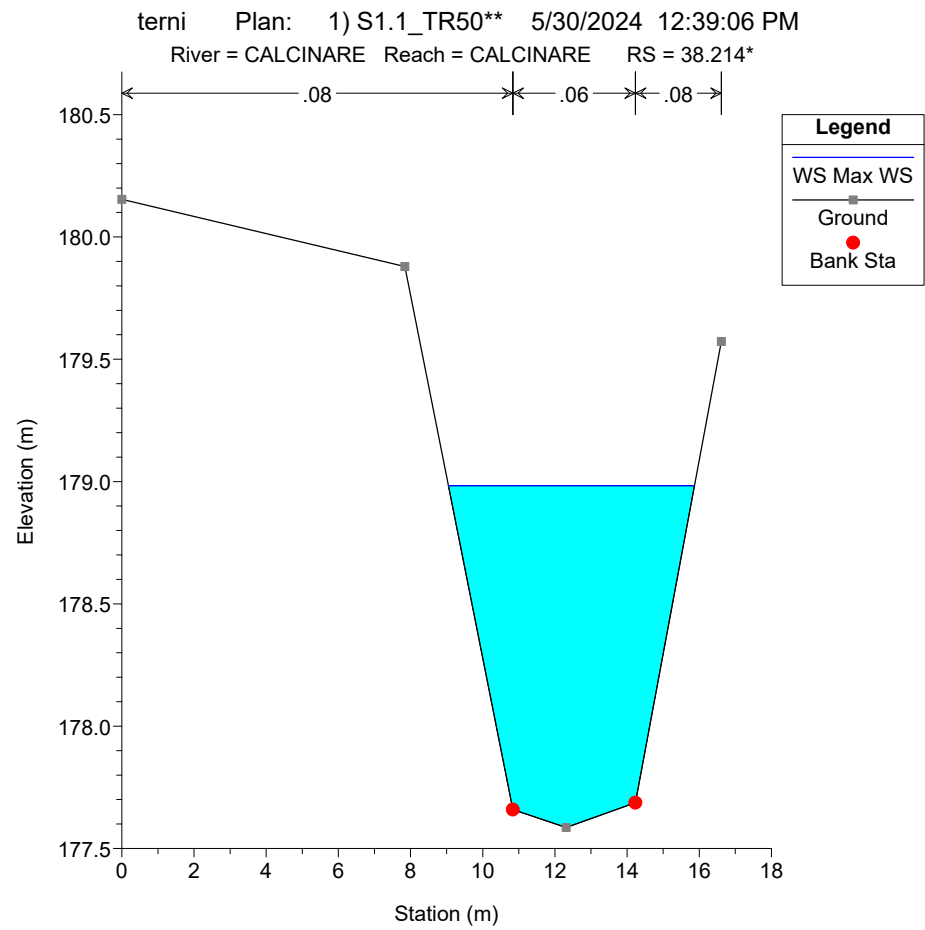
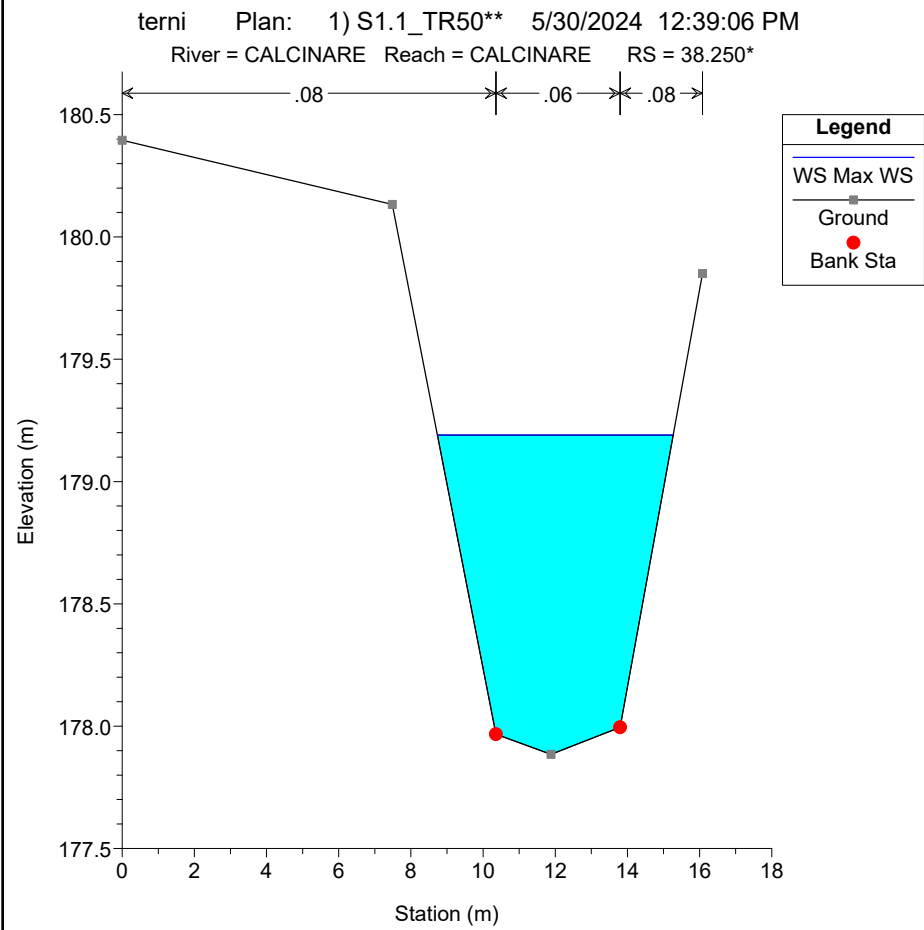
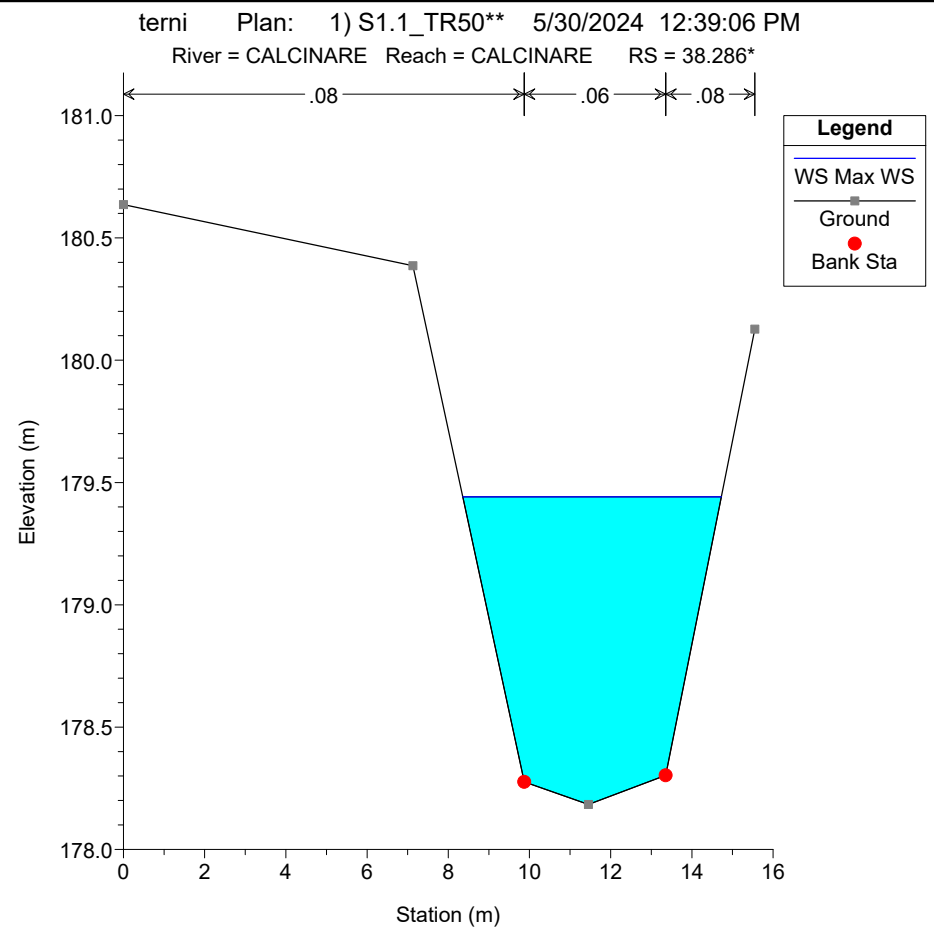
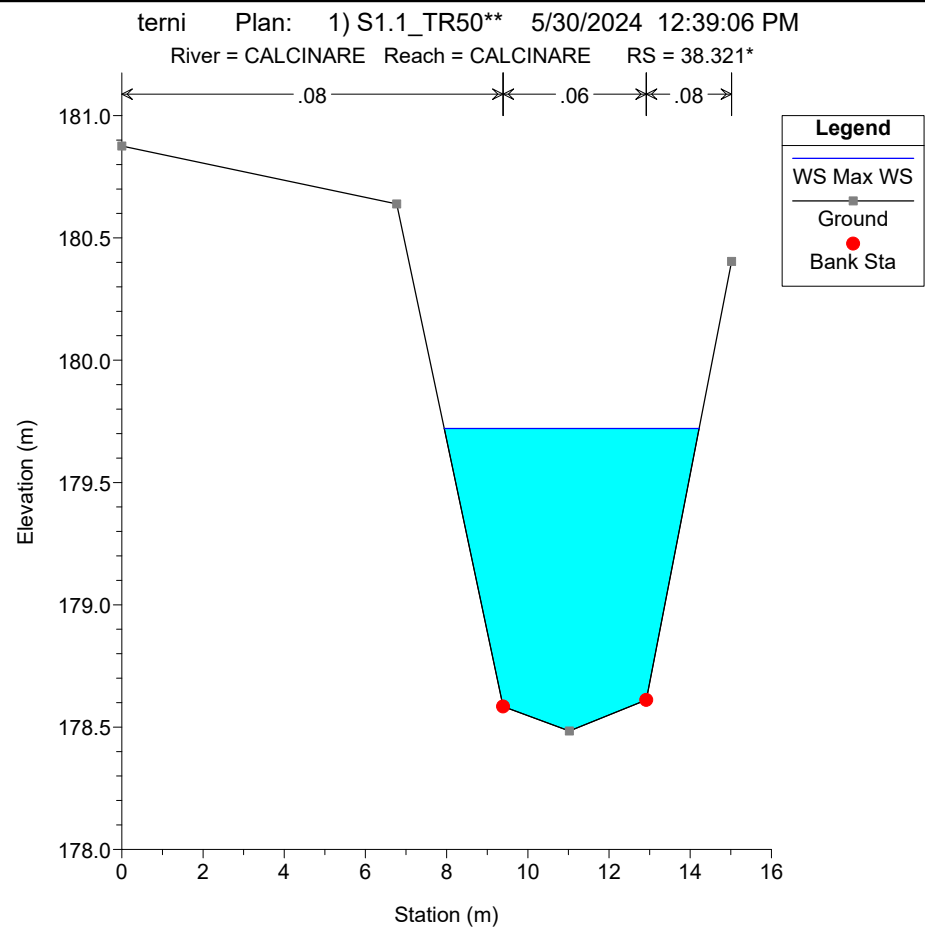
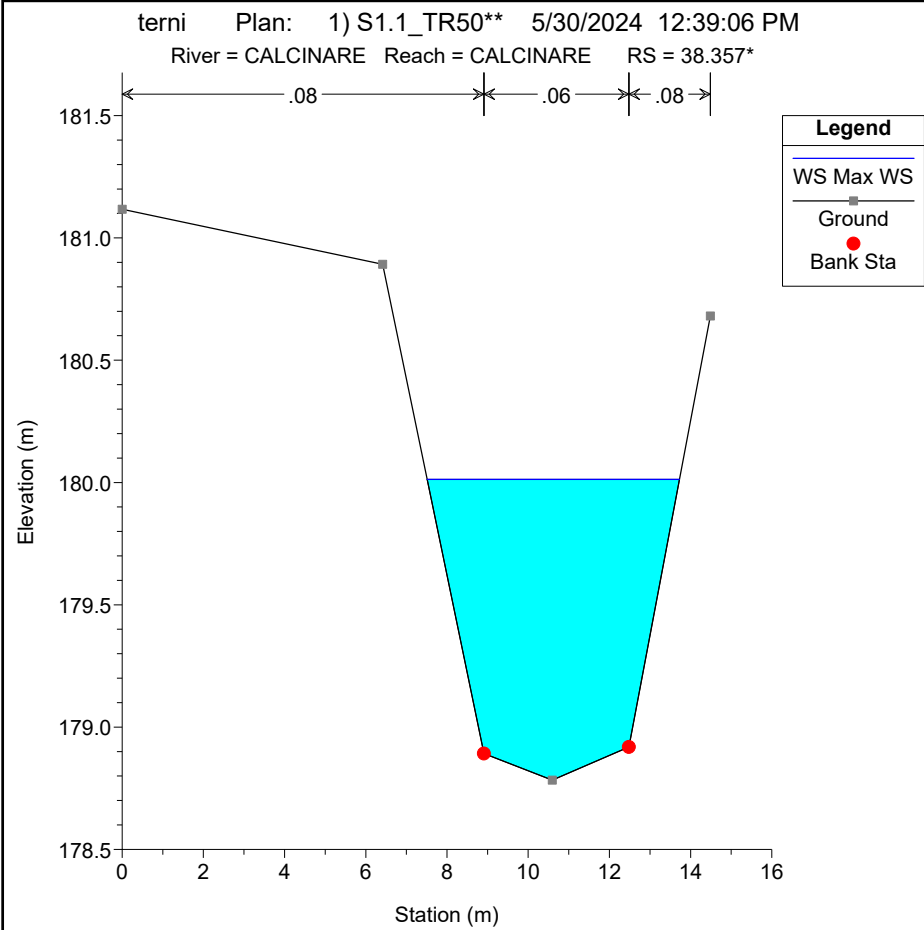
terni Plan: 1) S1_TR50** 30/05/2024

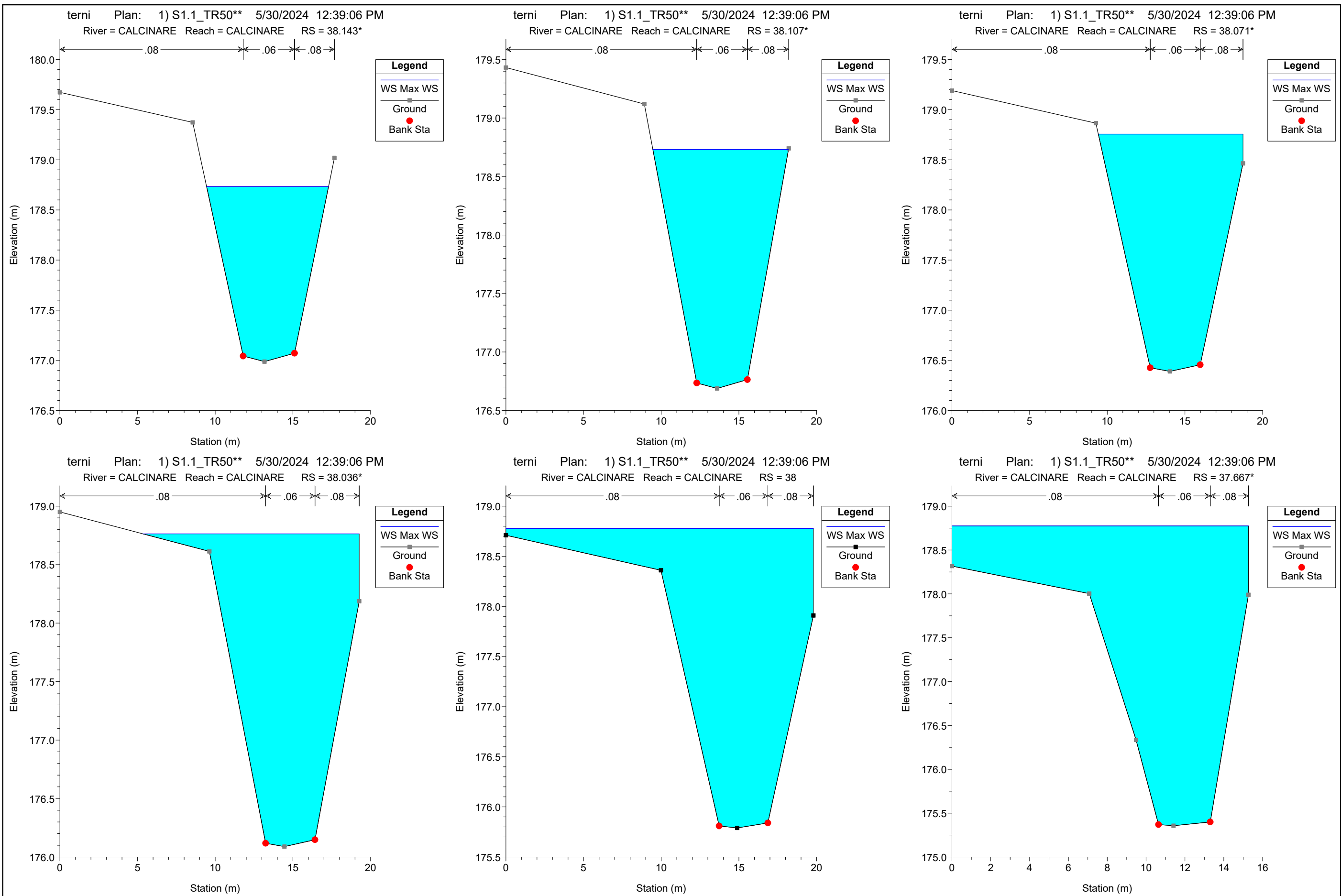


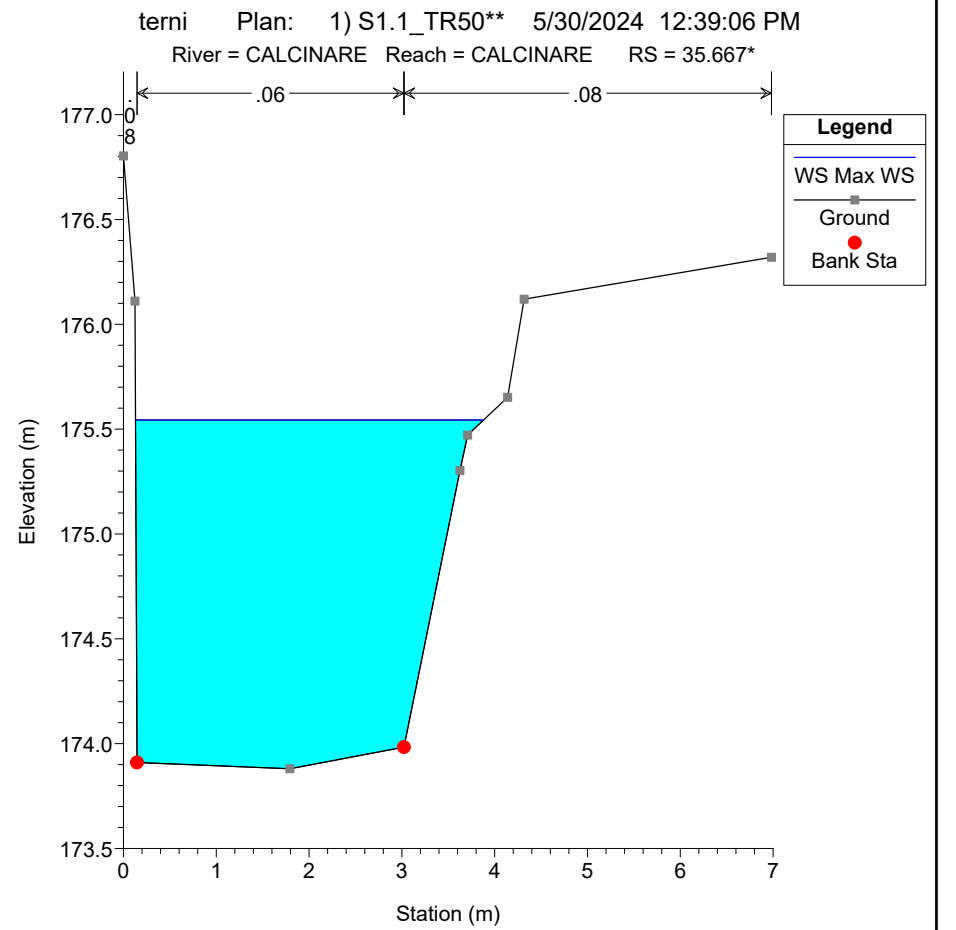
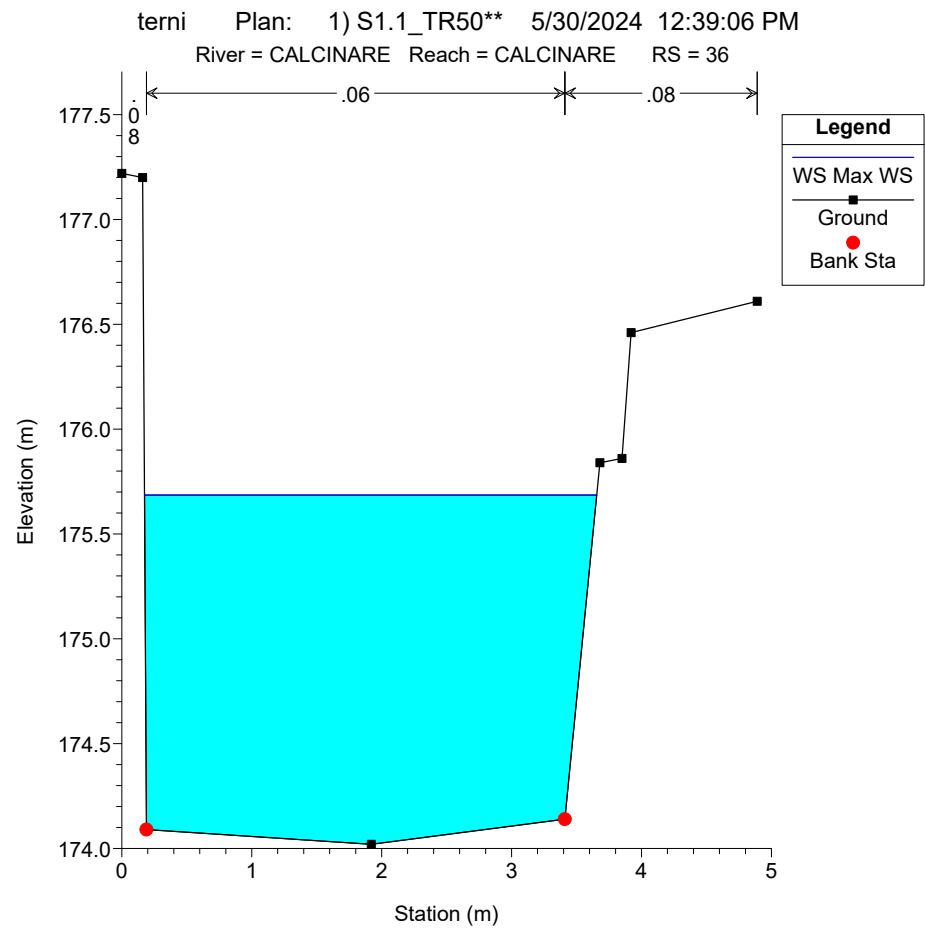
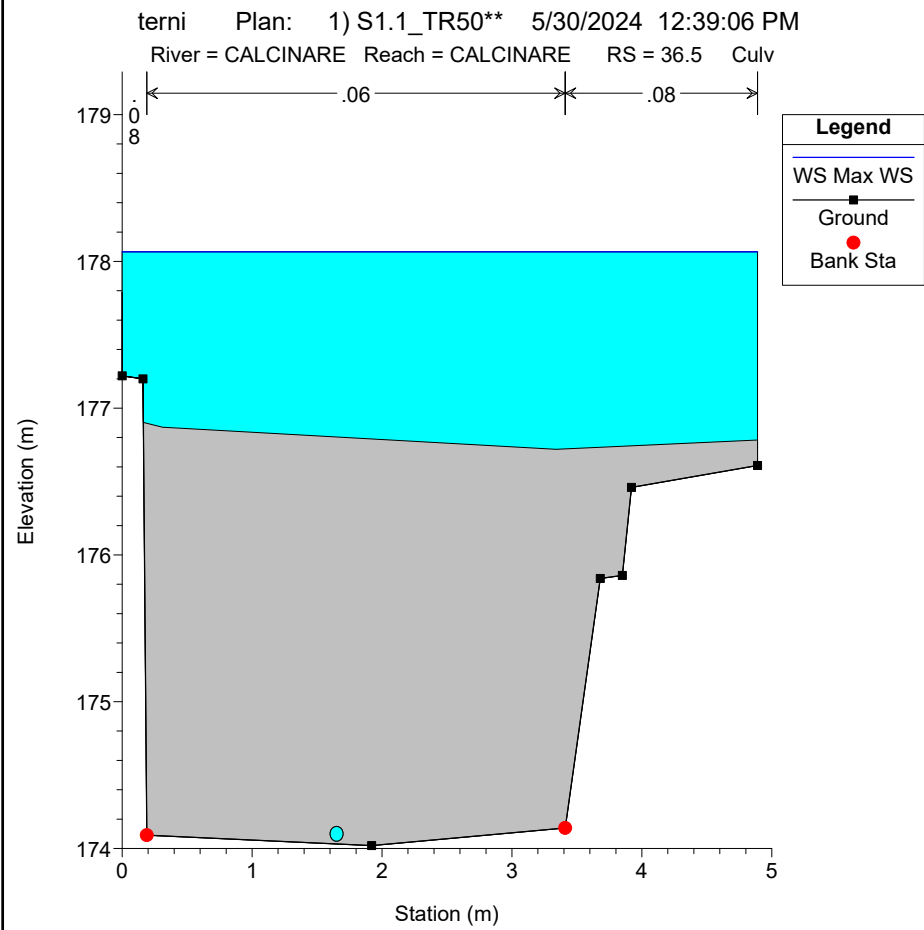
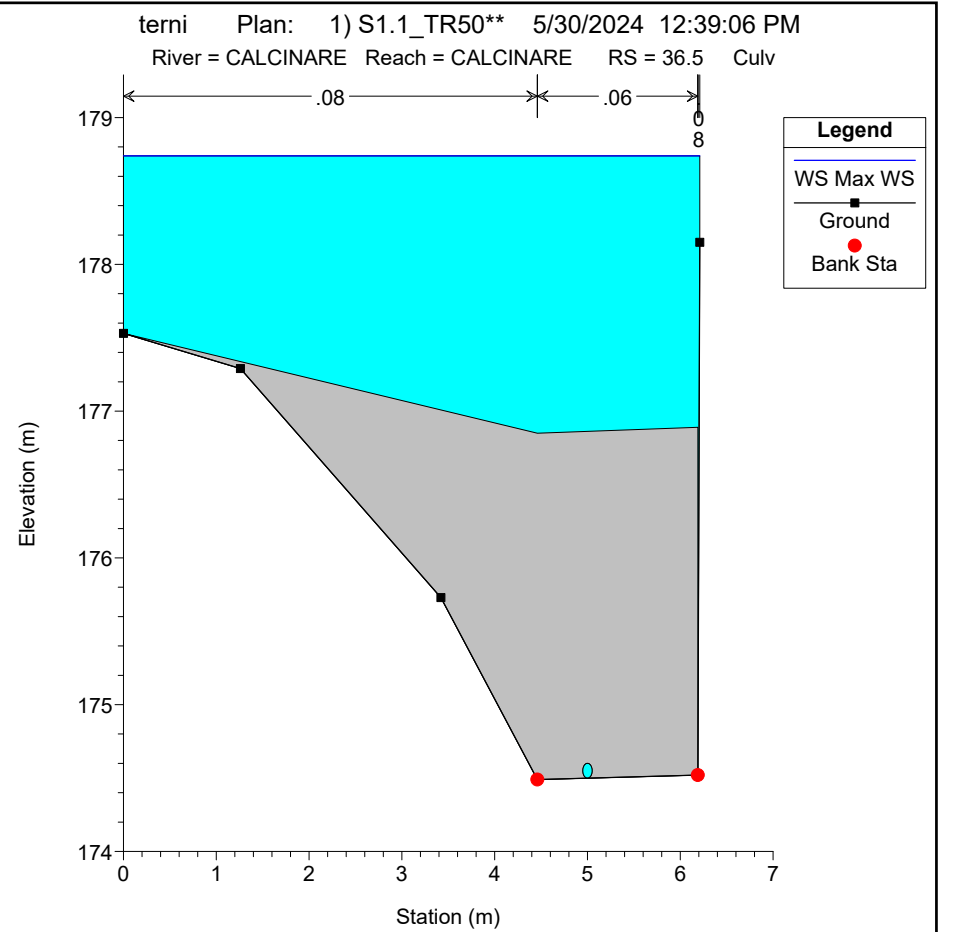
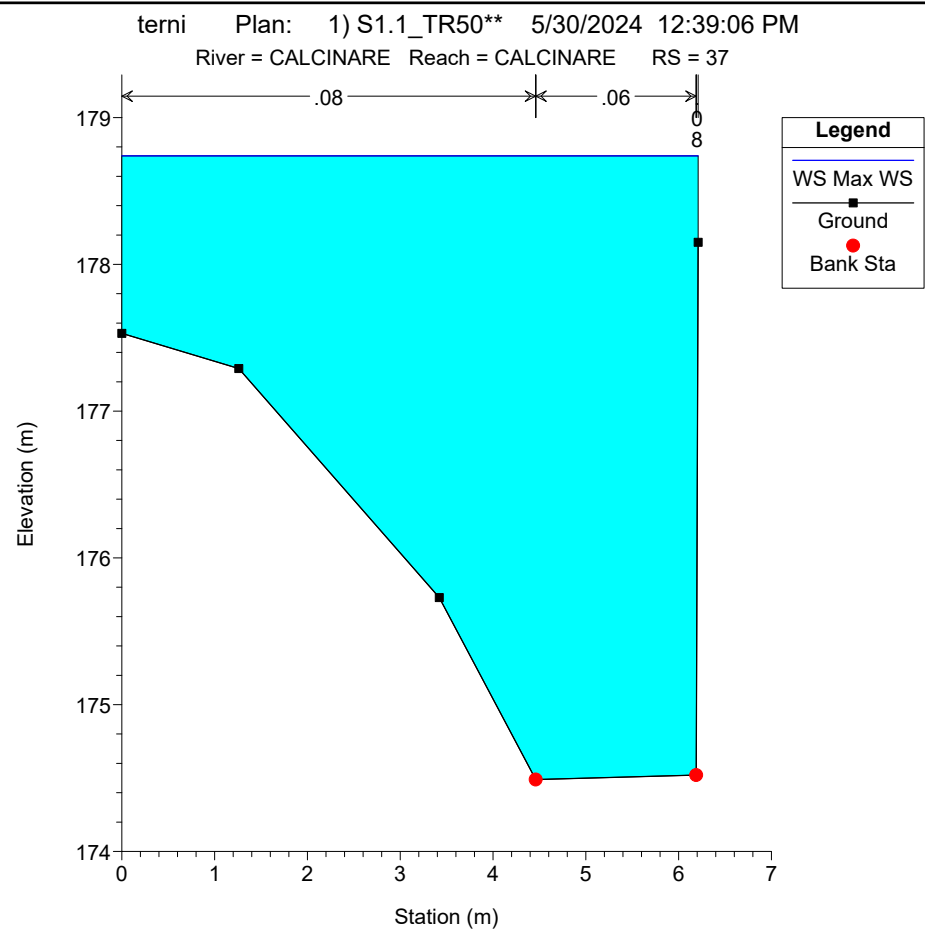
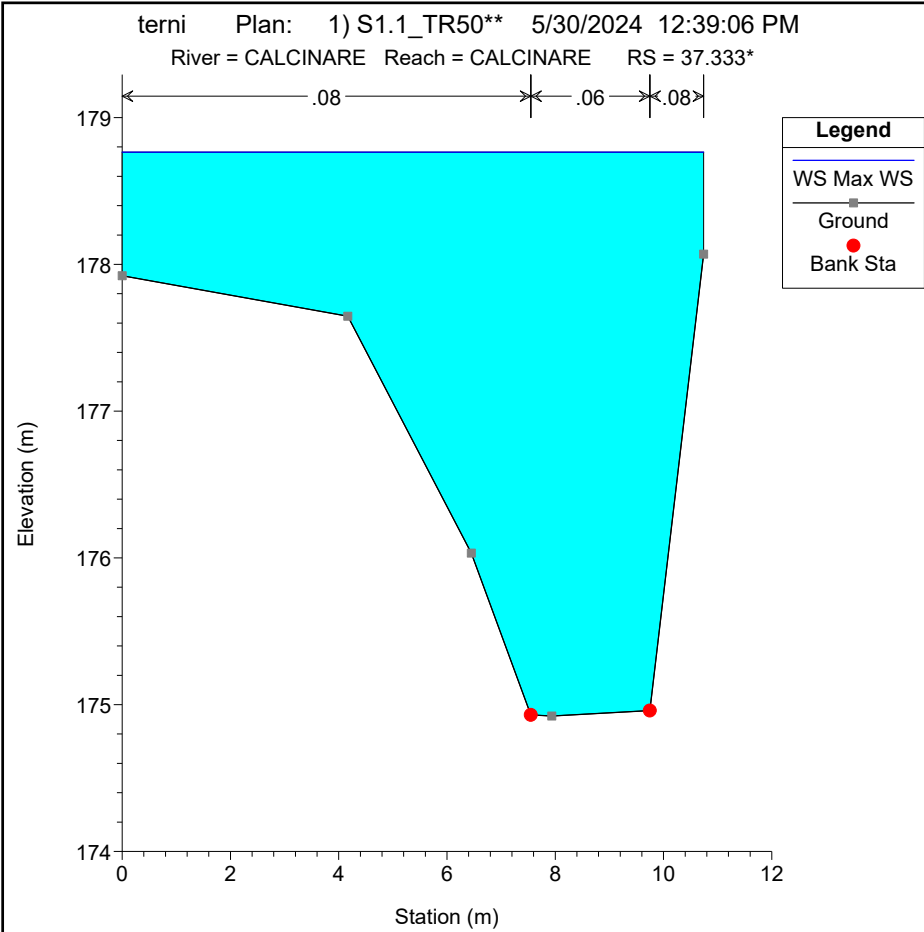


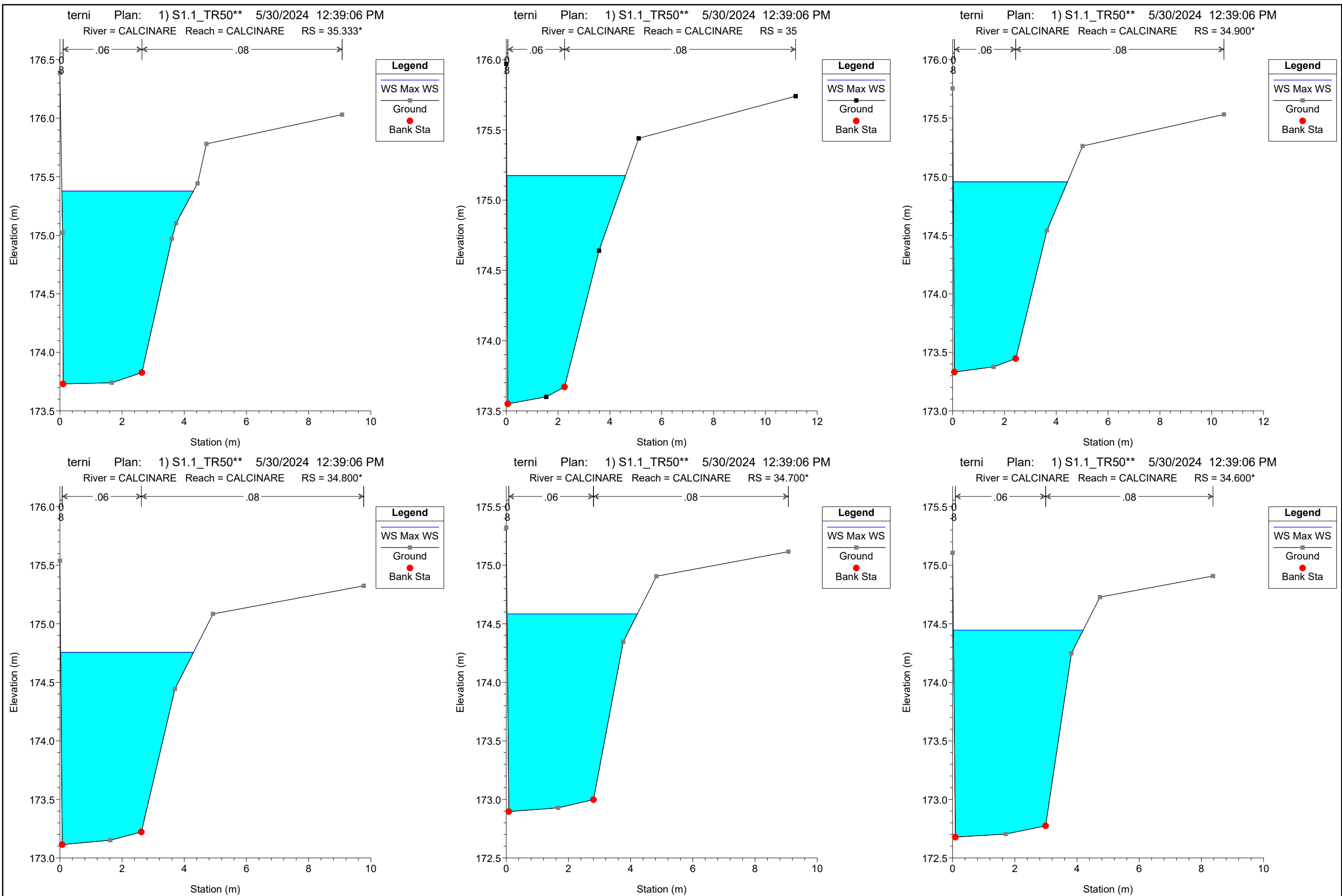


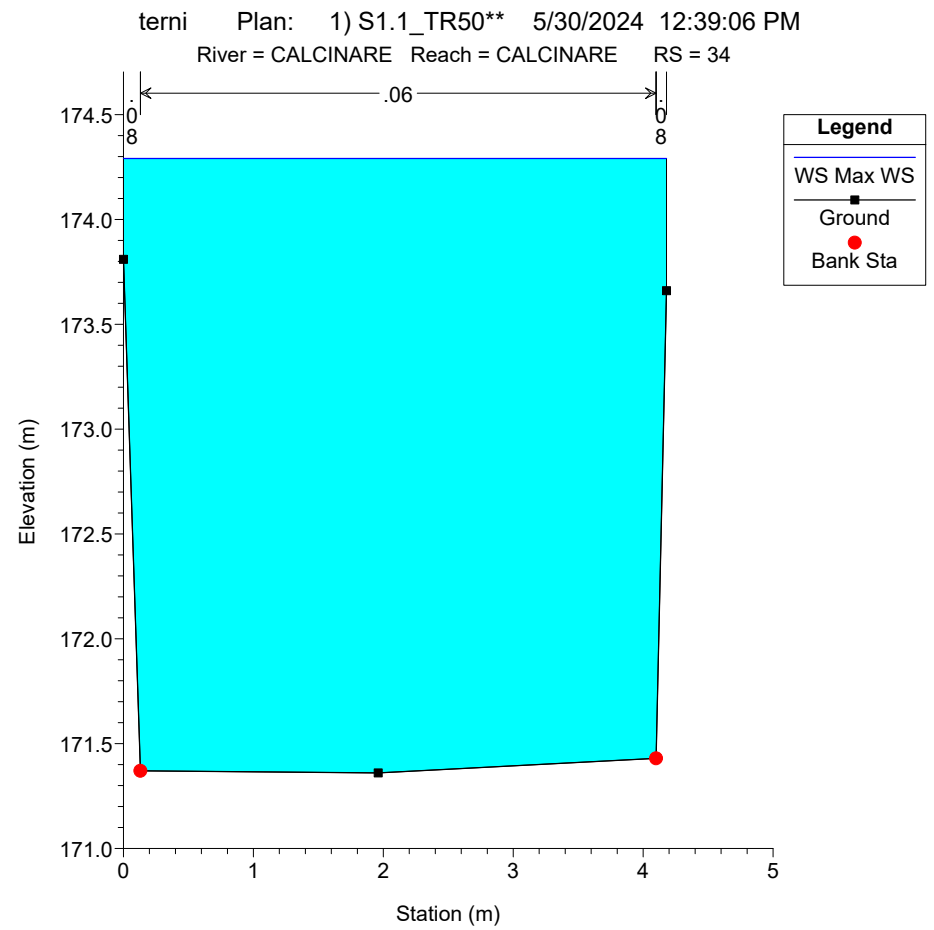
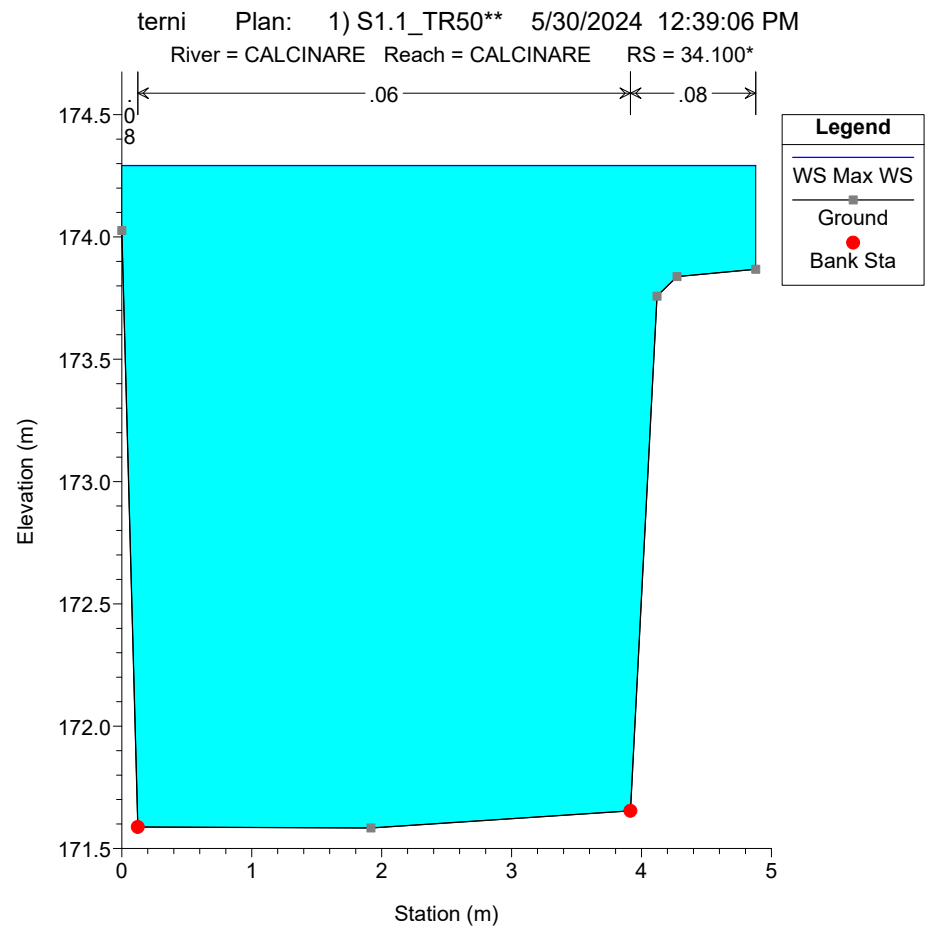
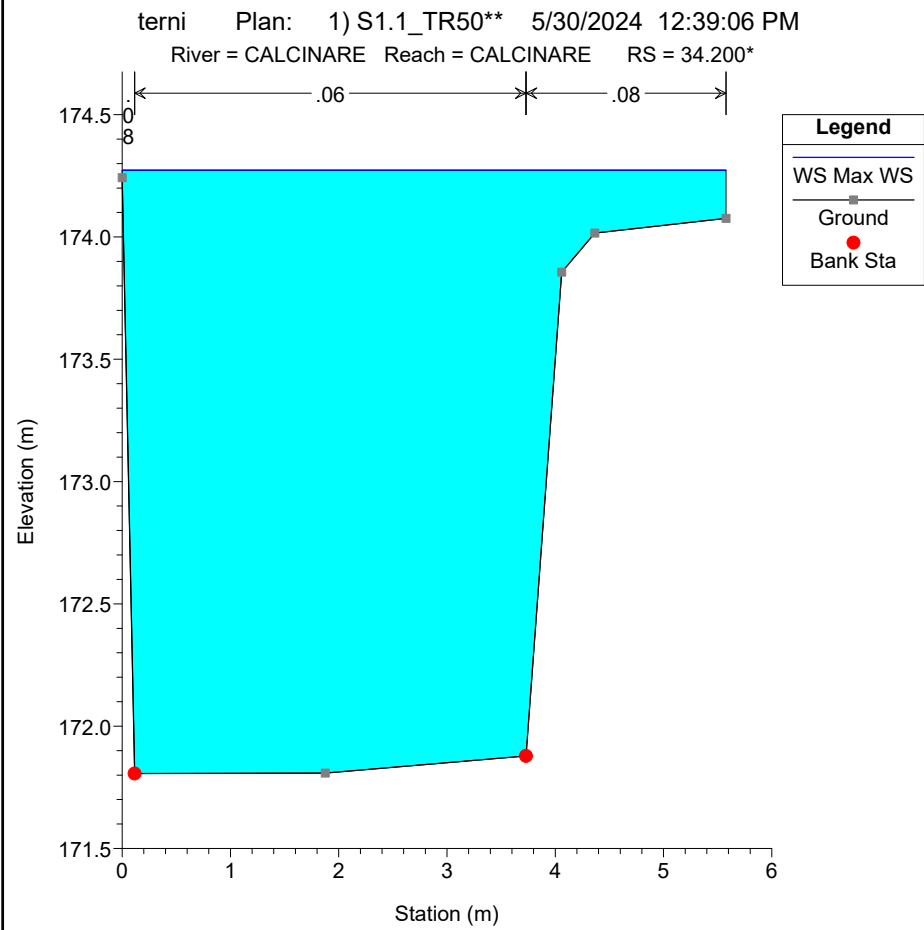
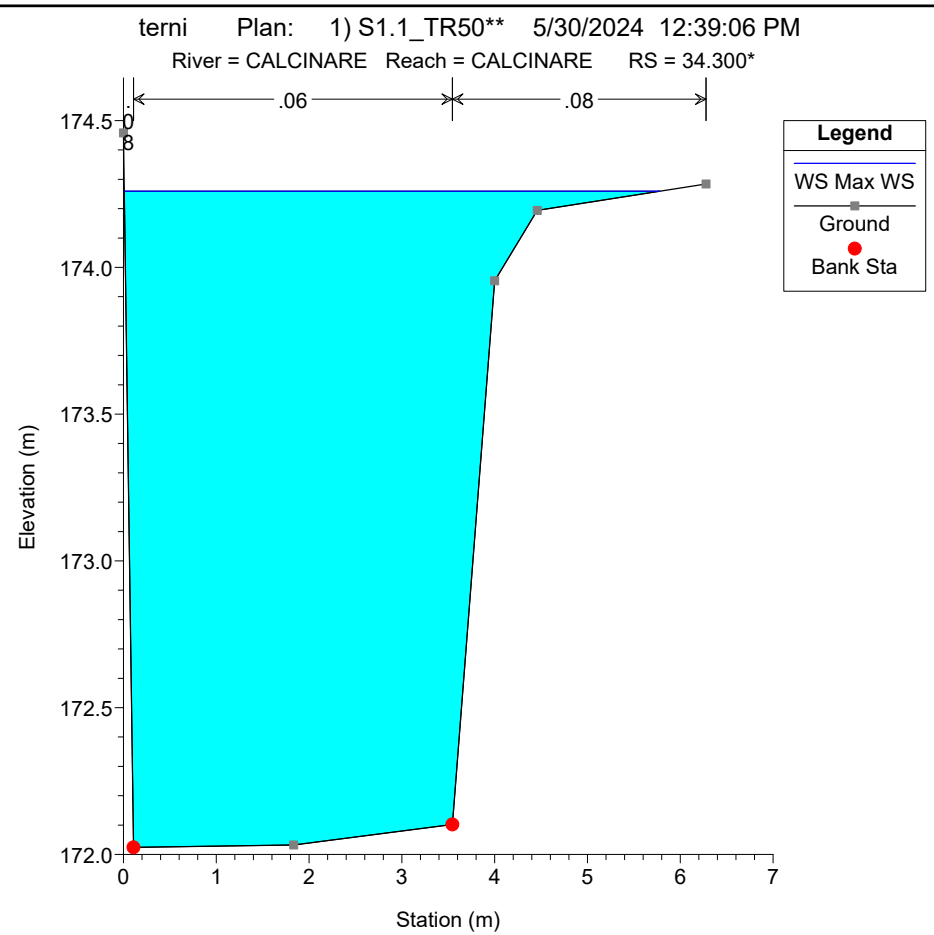
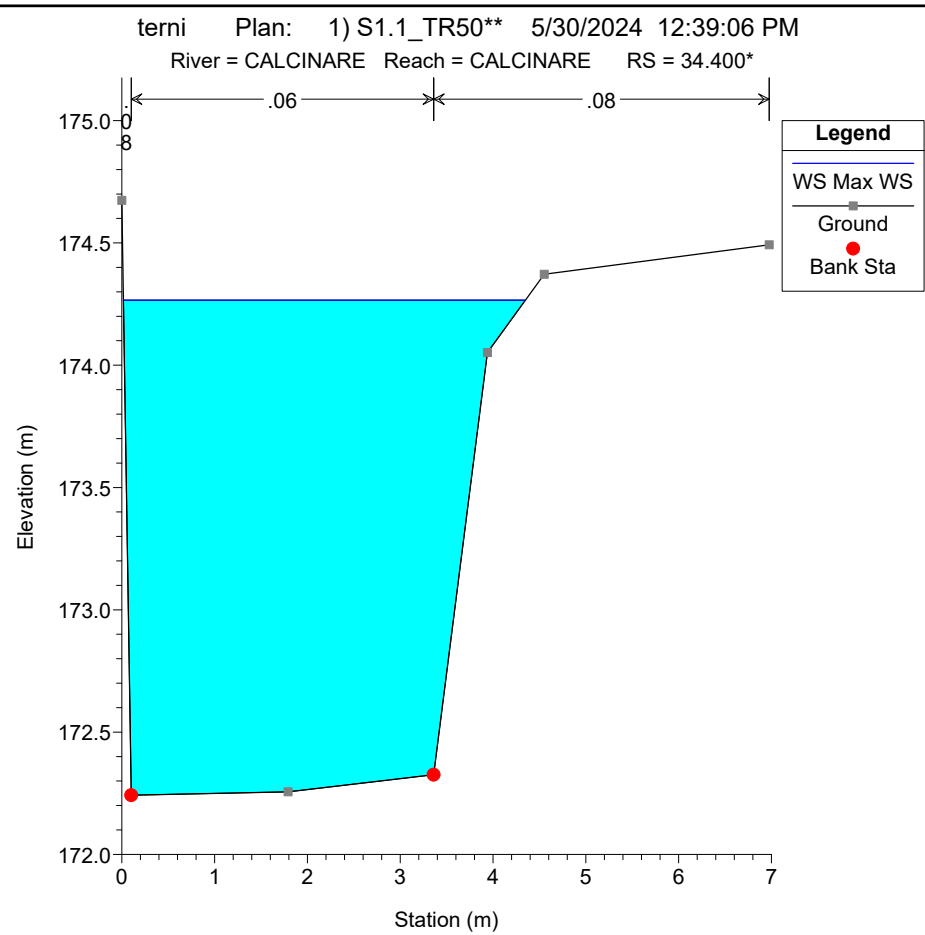
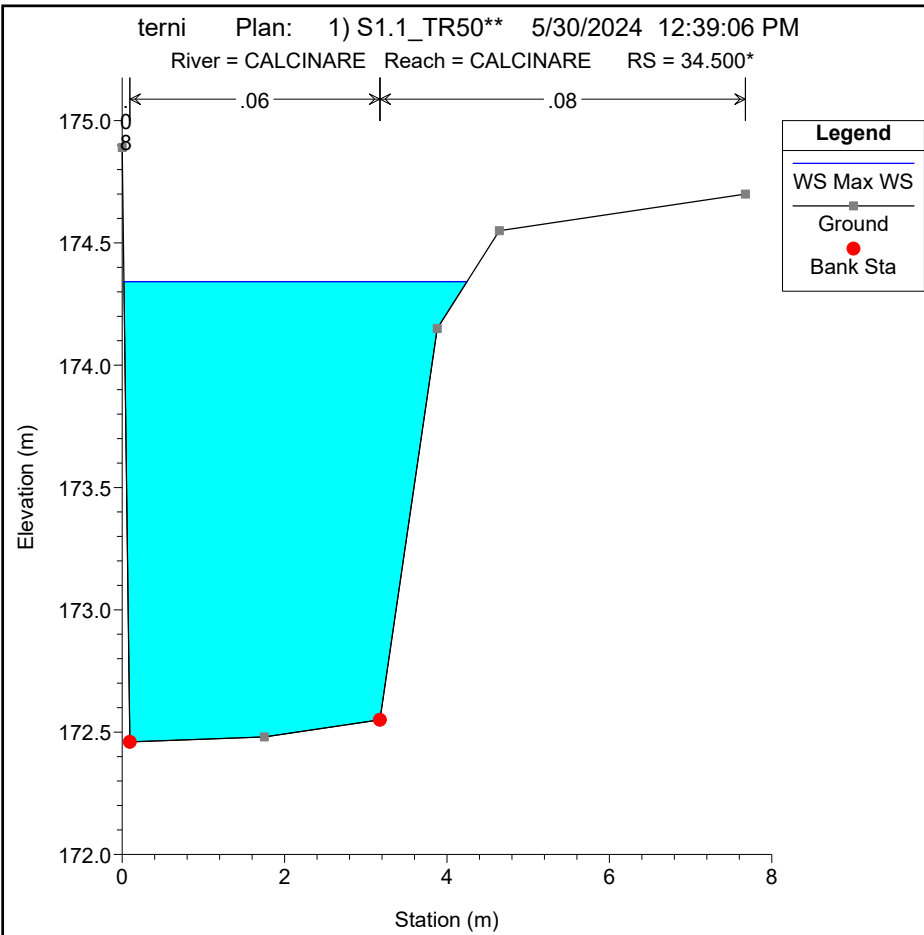


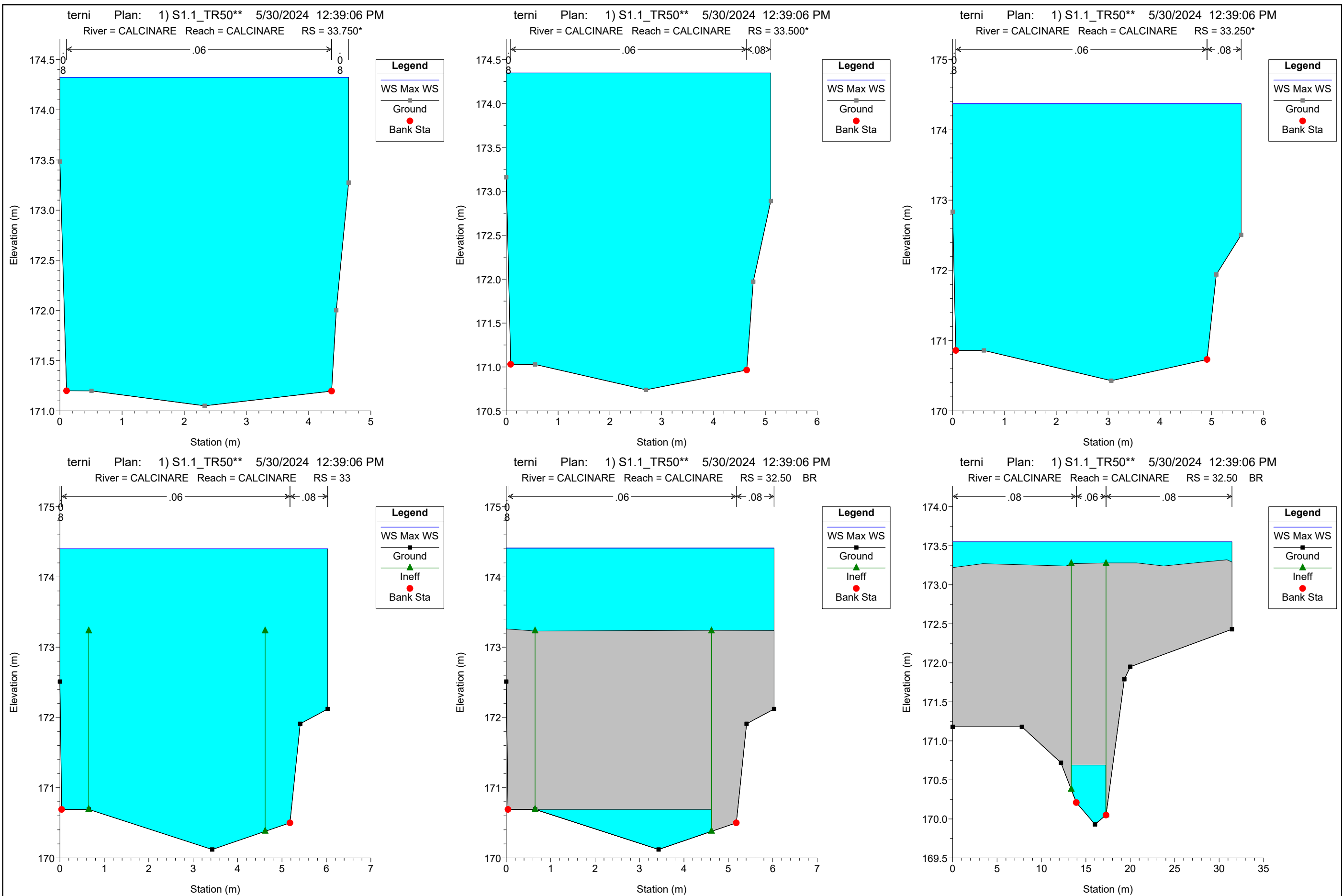


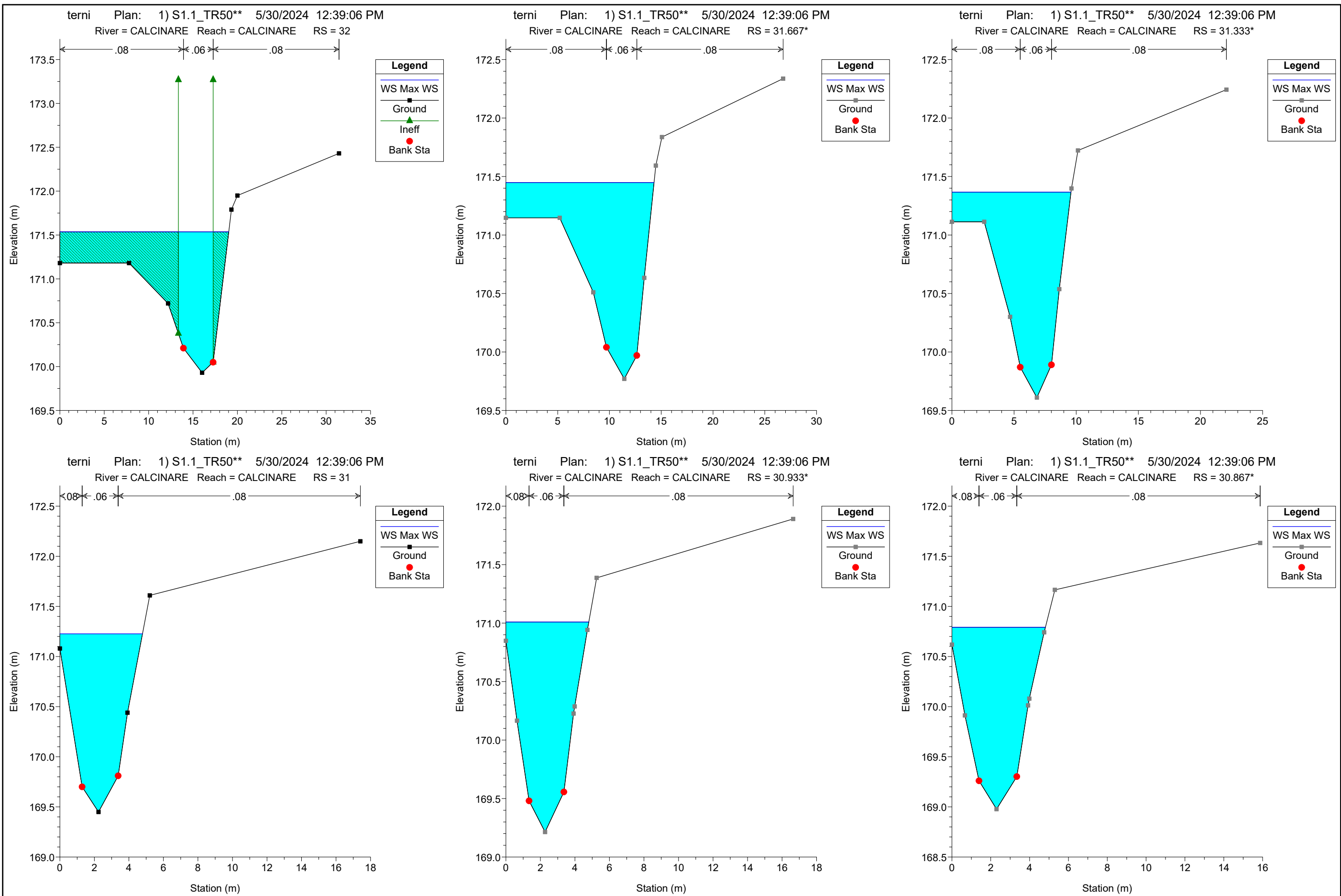


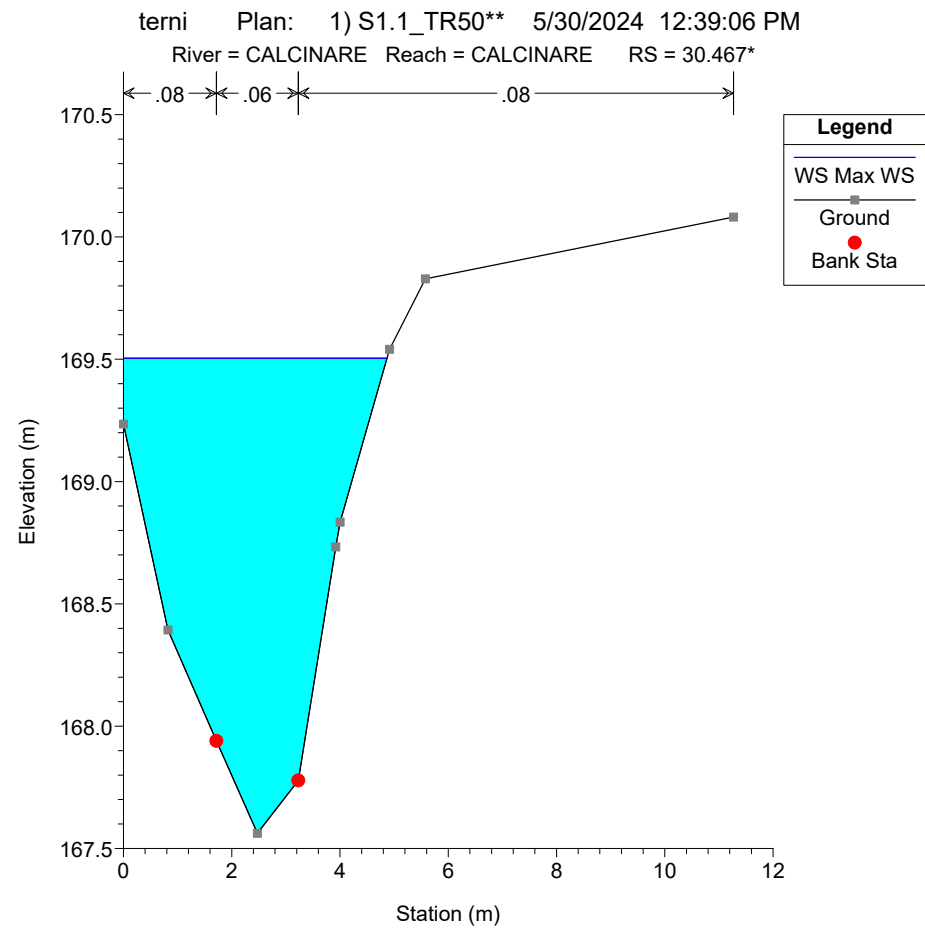
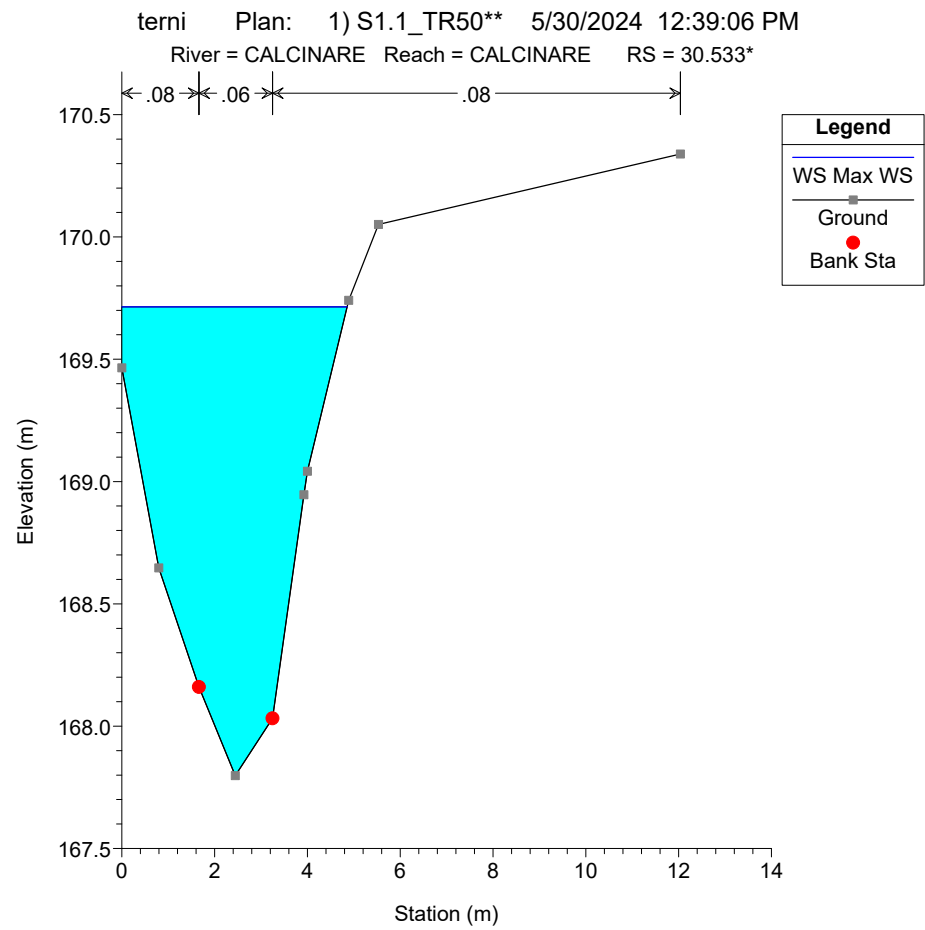
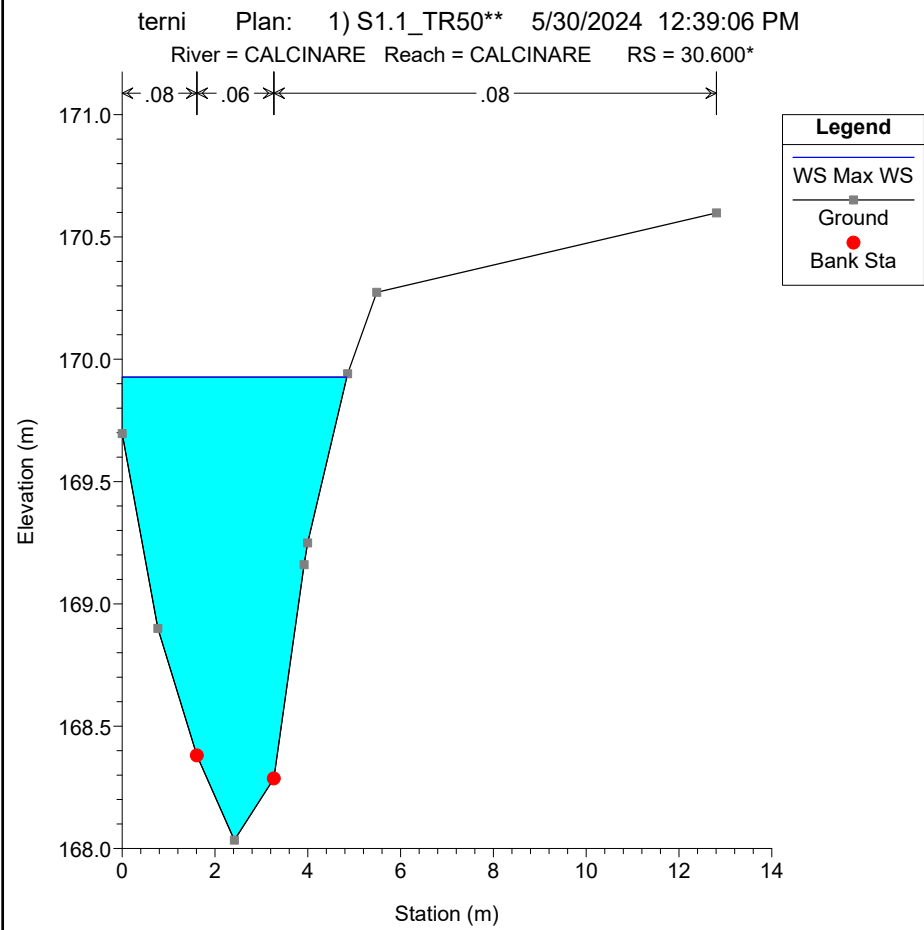
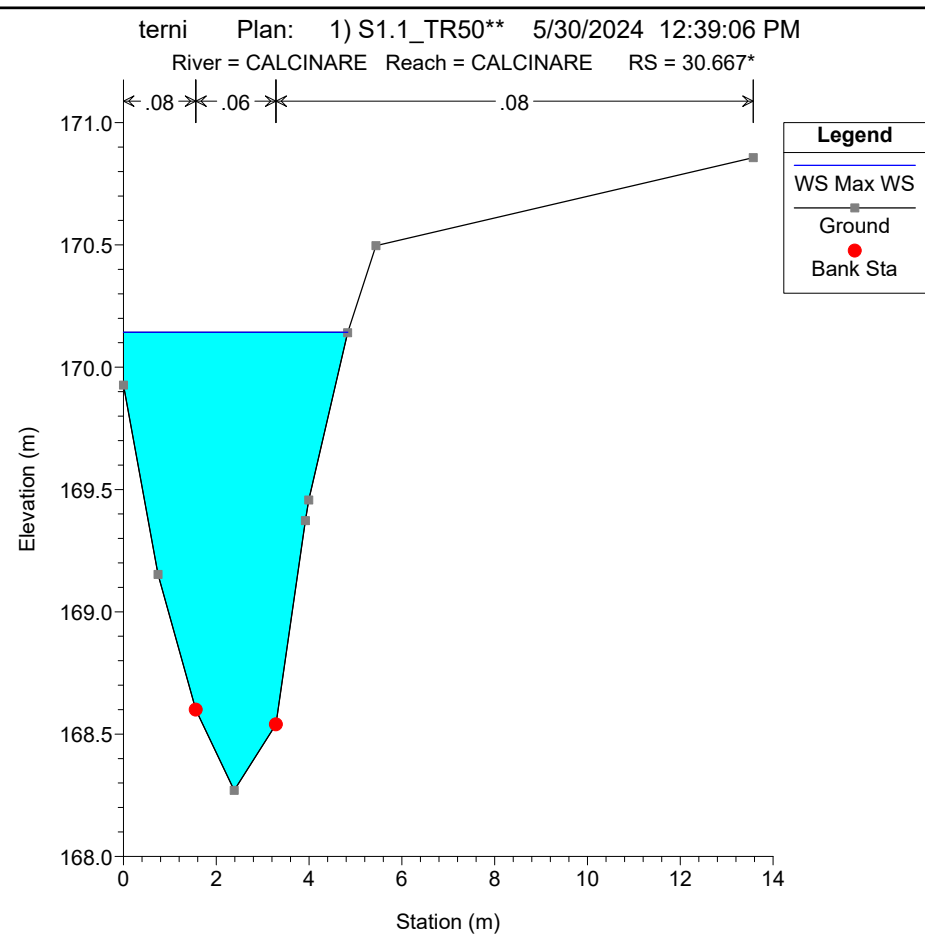
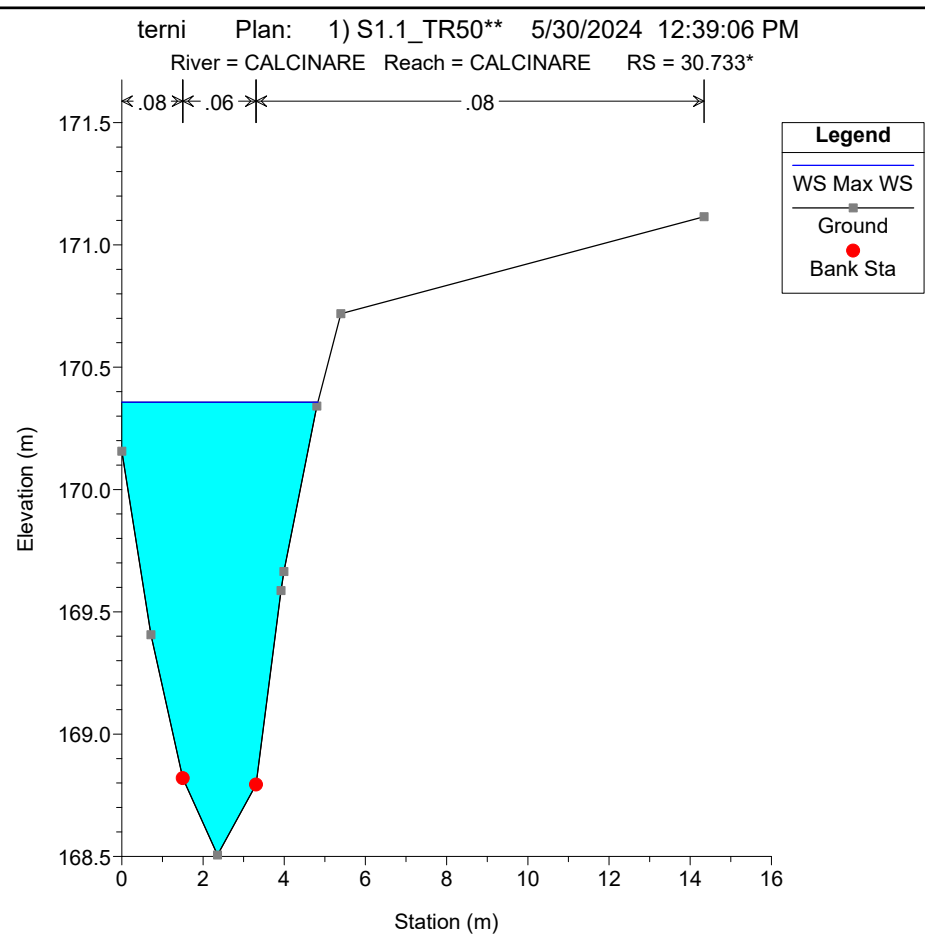
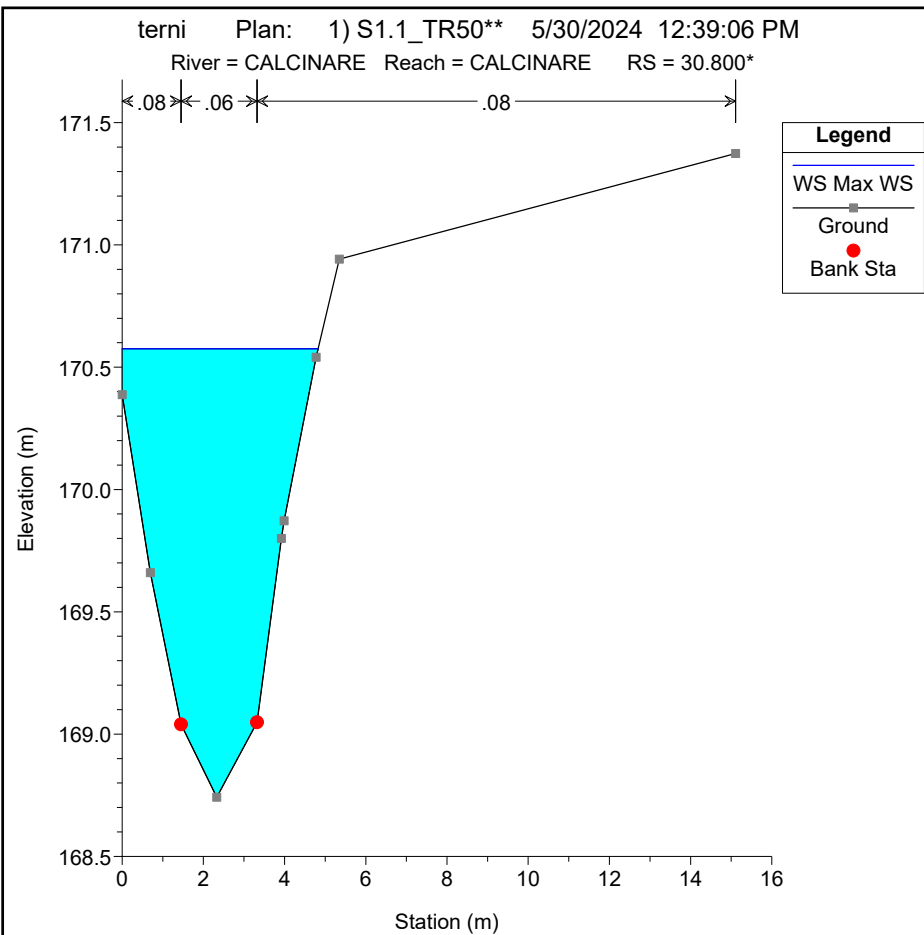


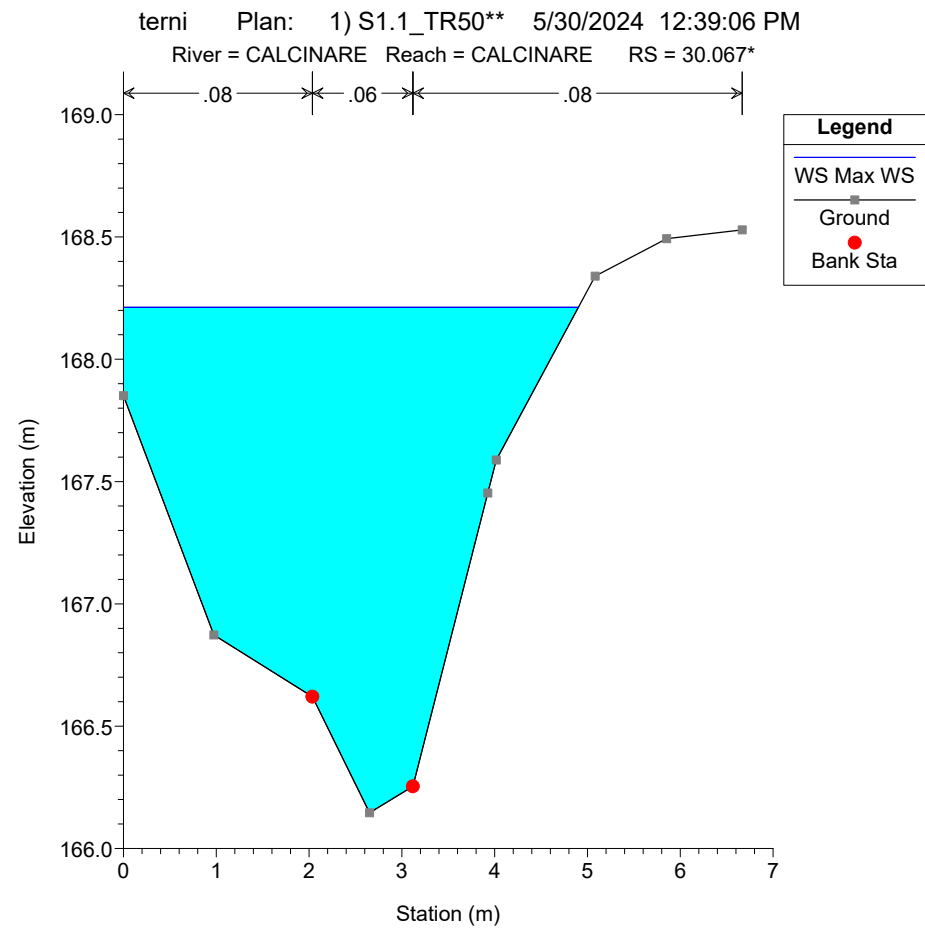
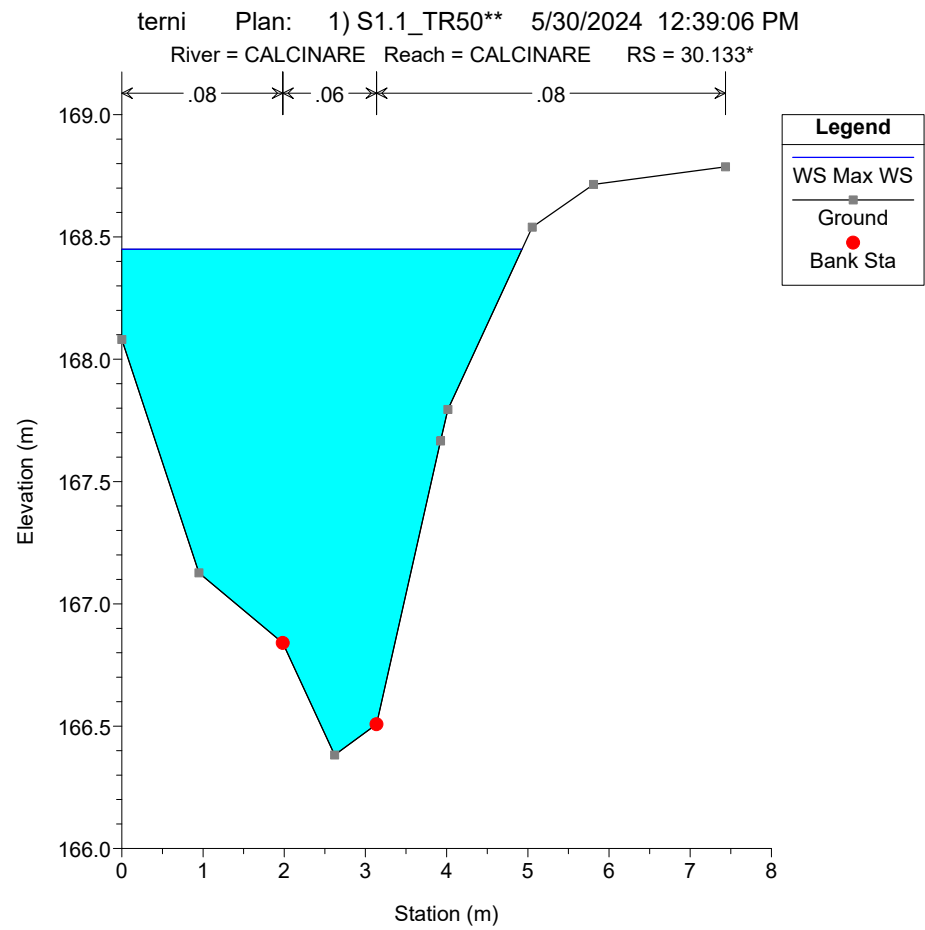
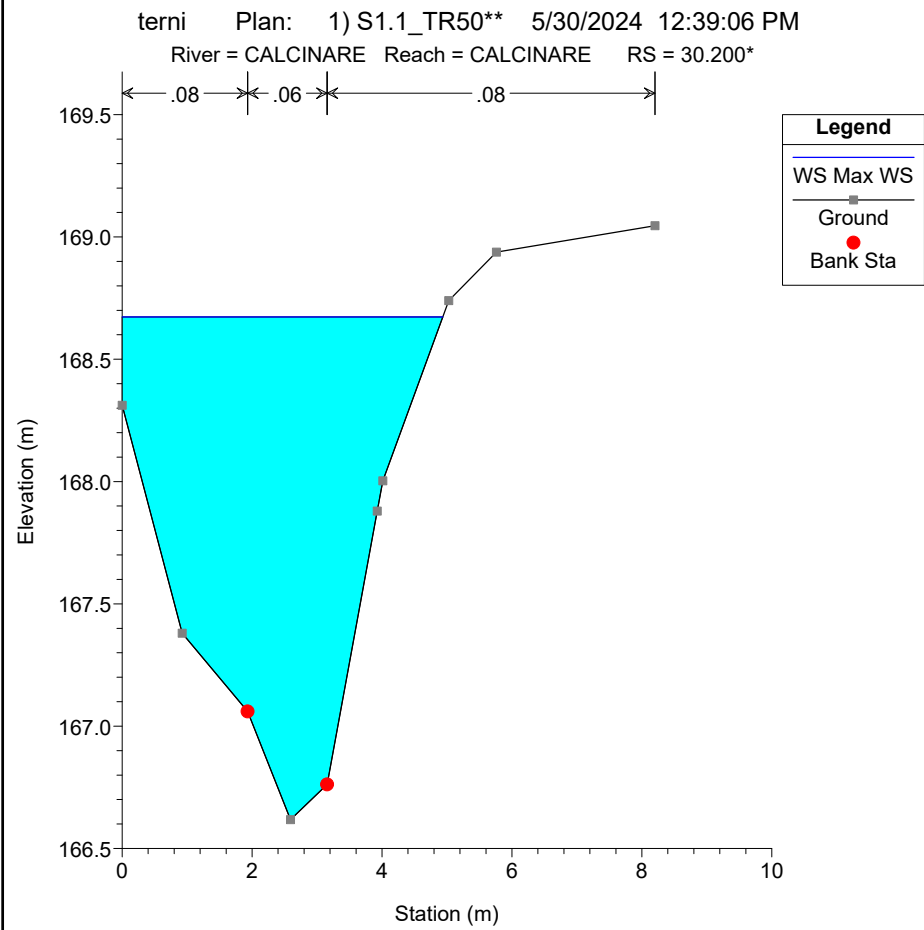
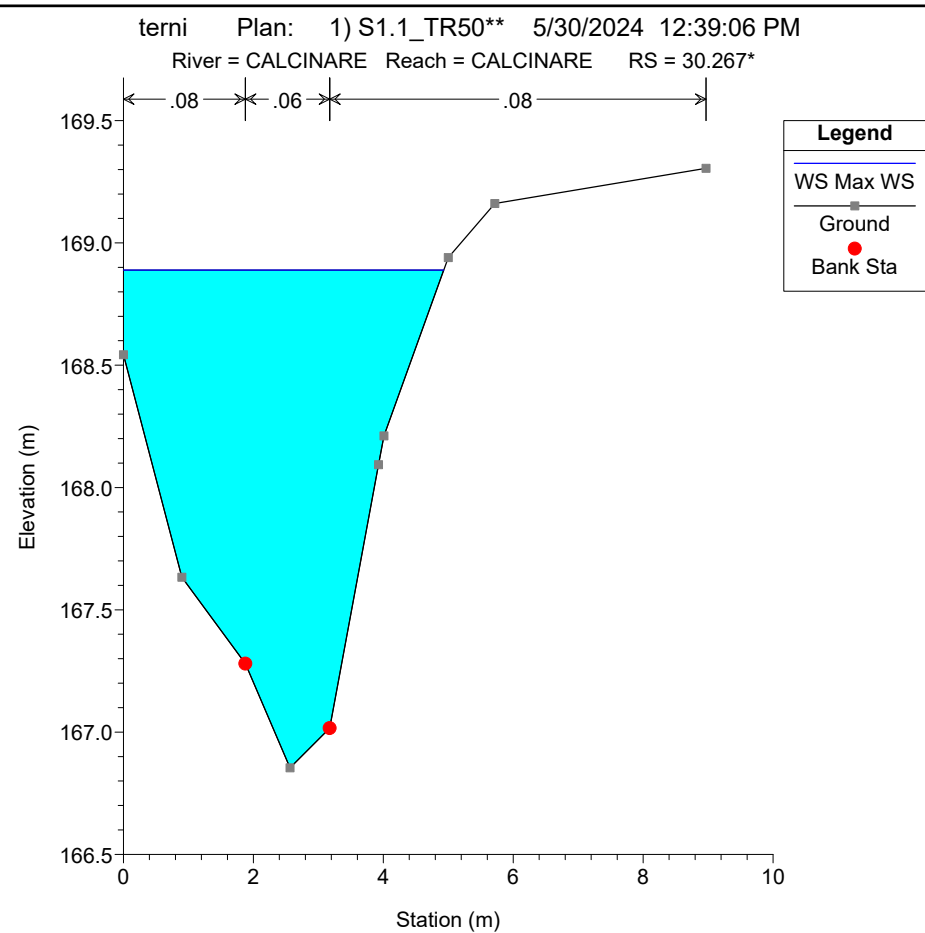
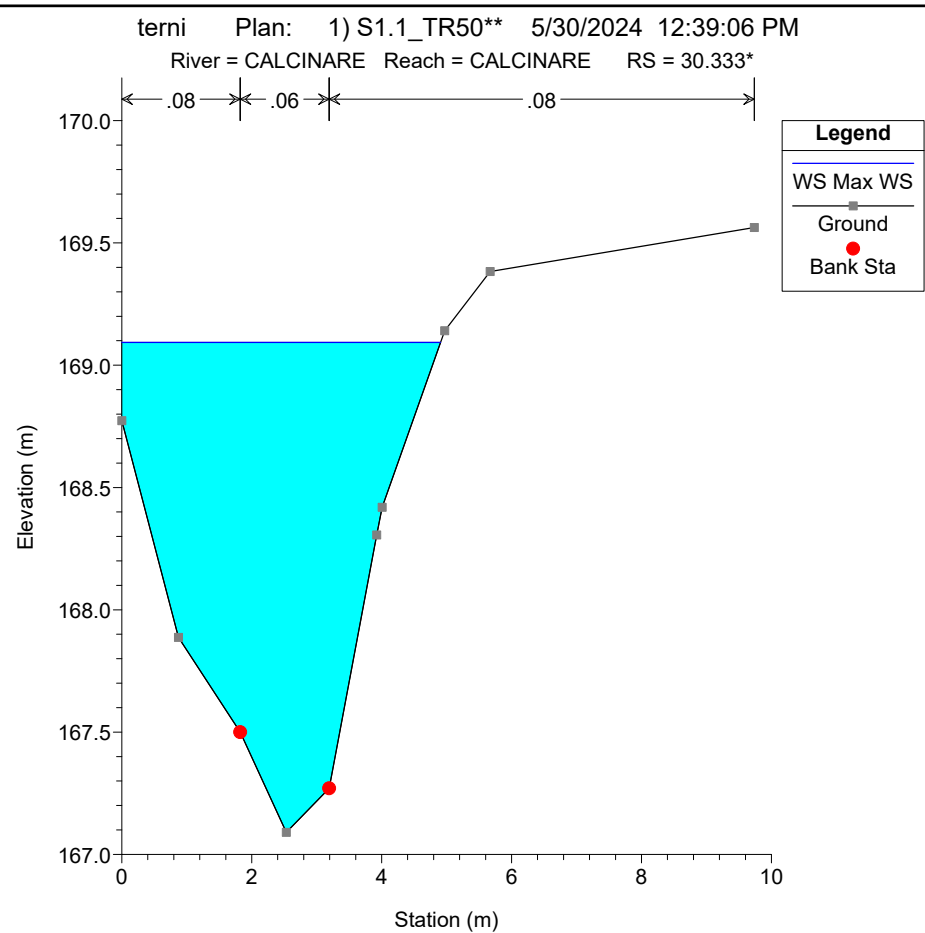
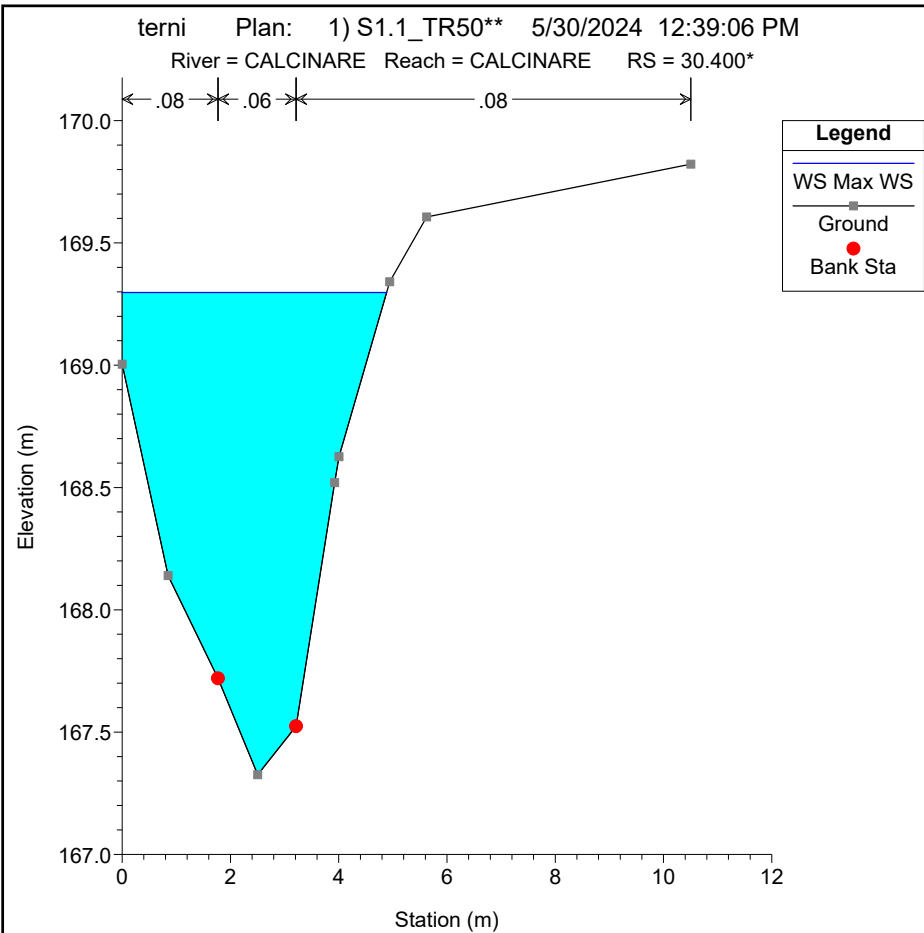


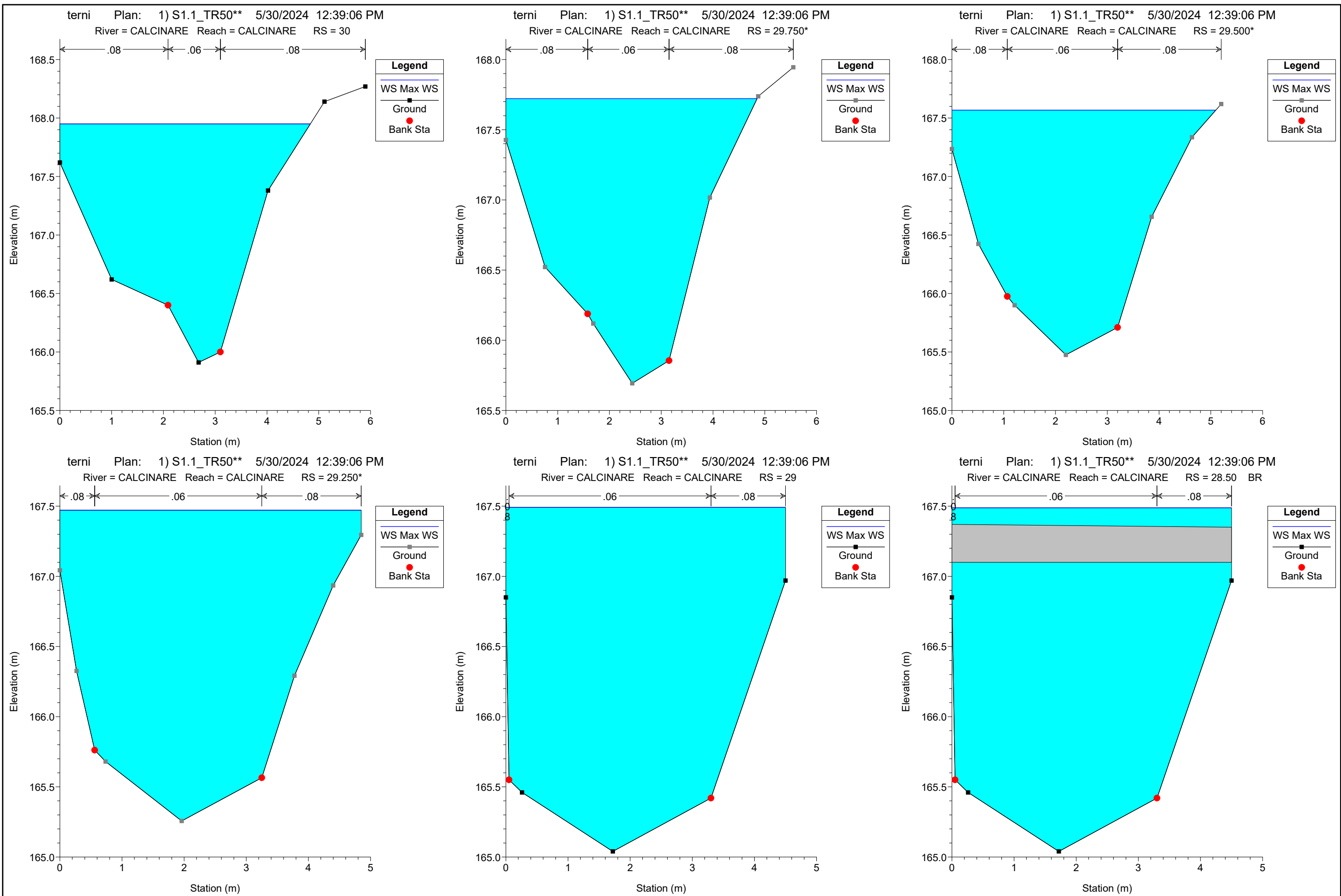


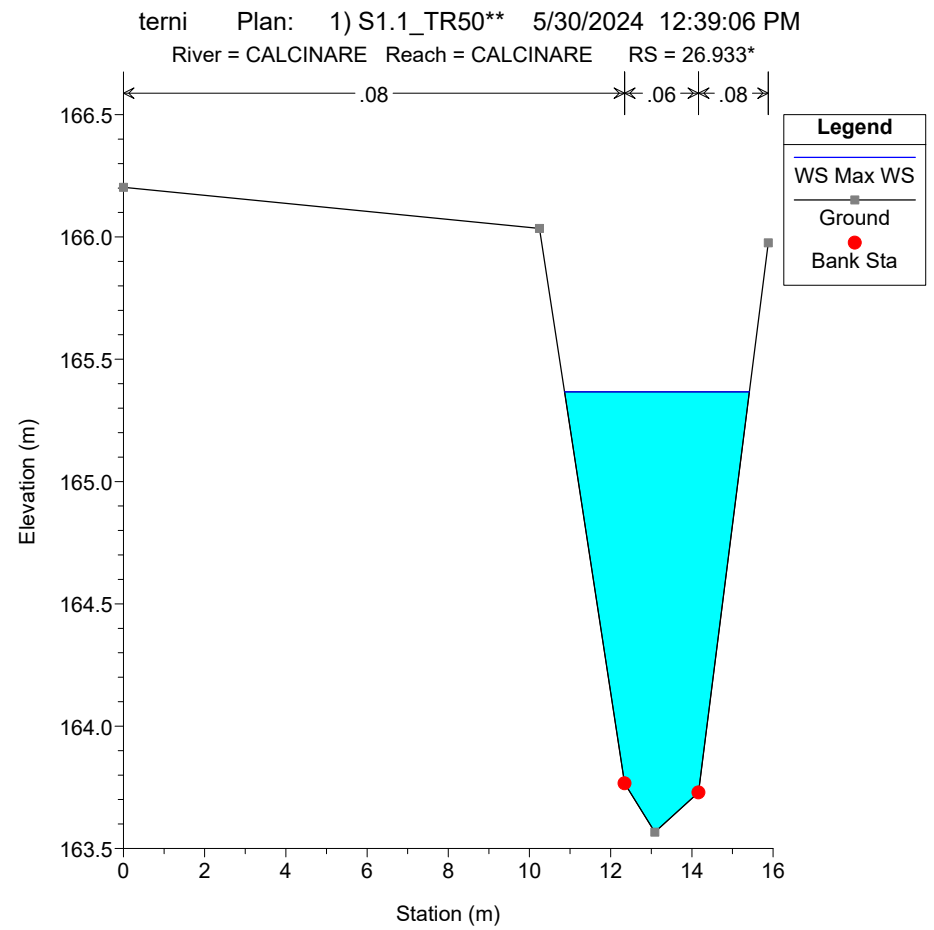
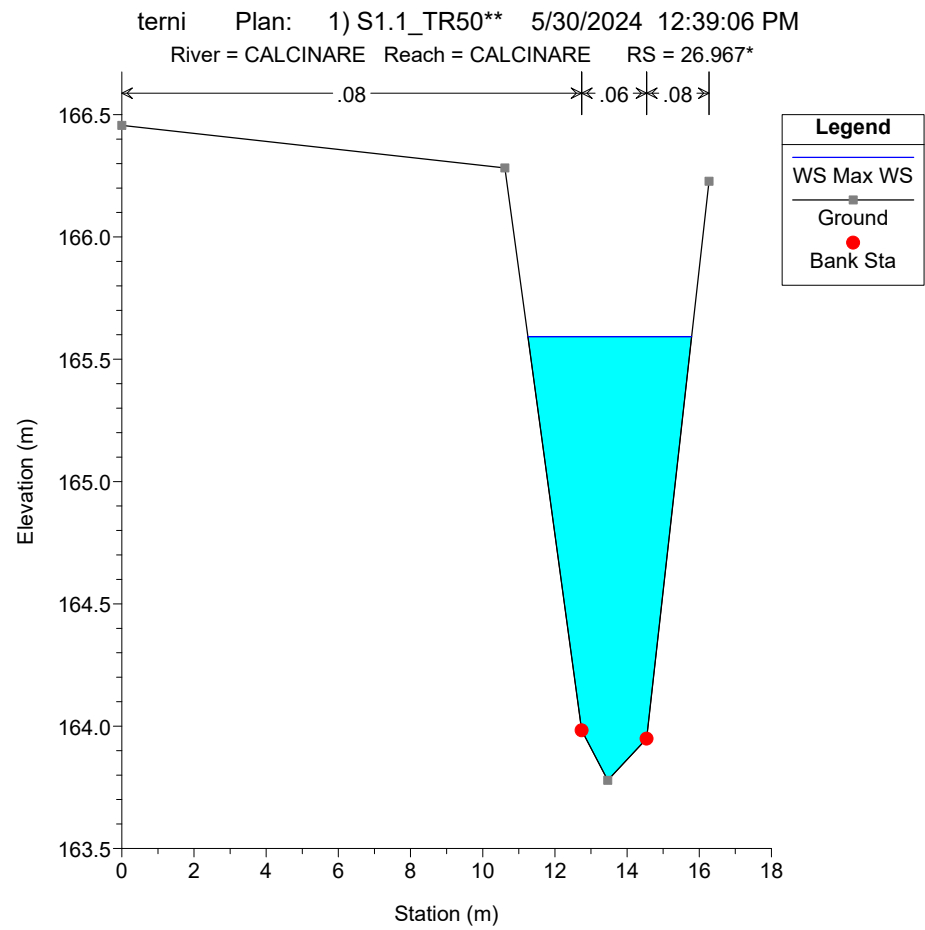
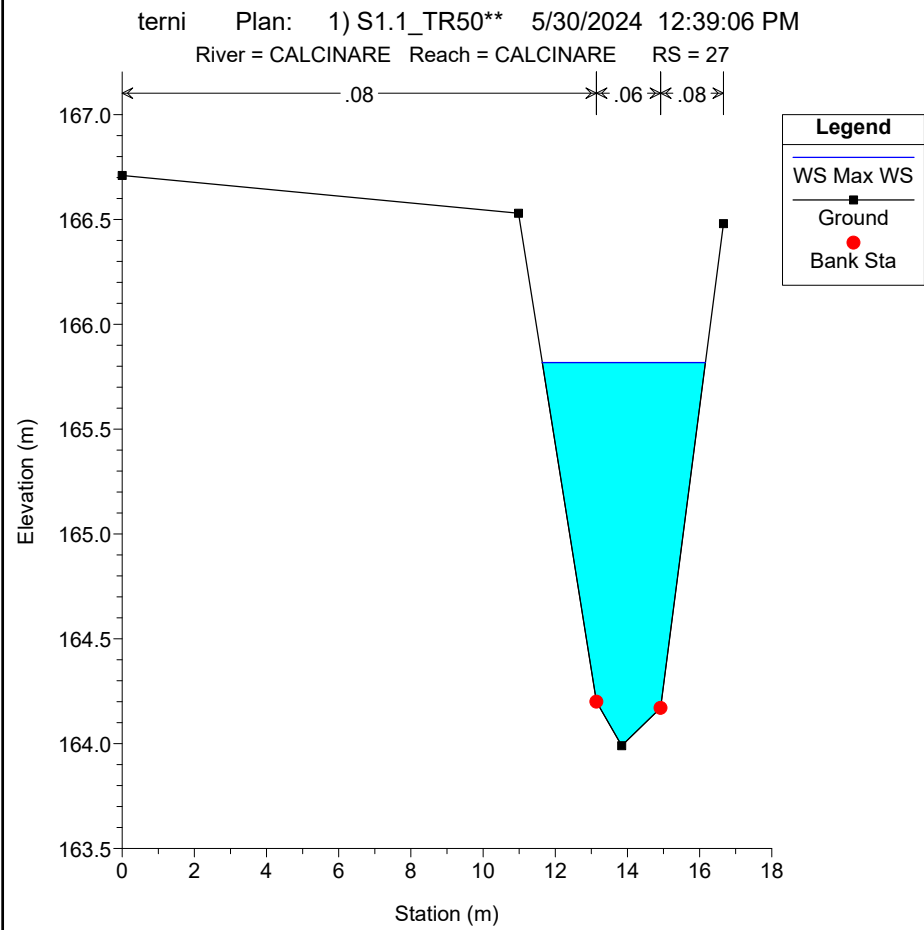
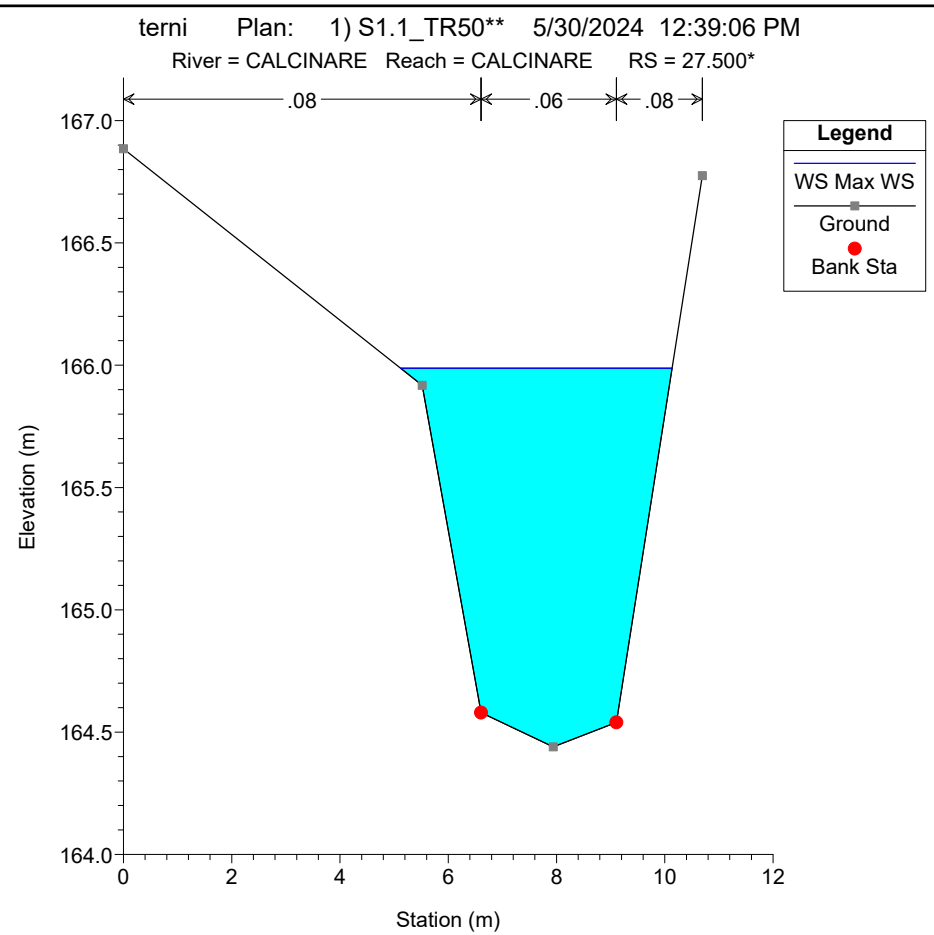
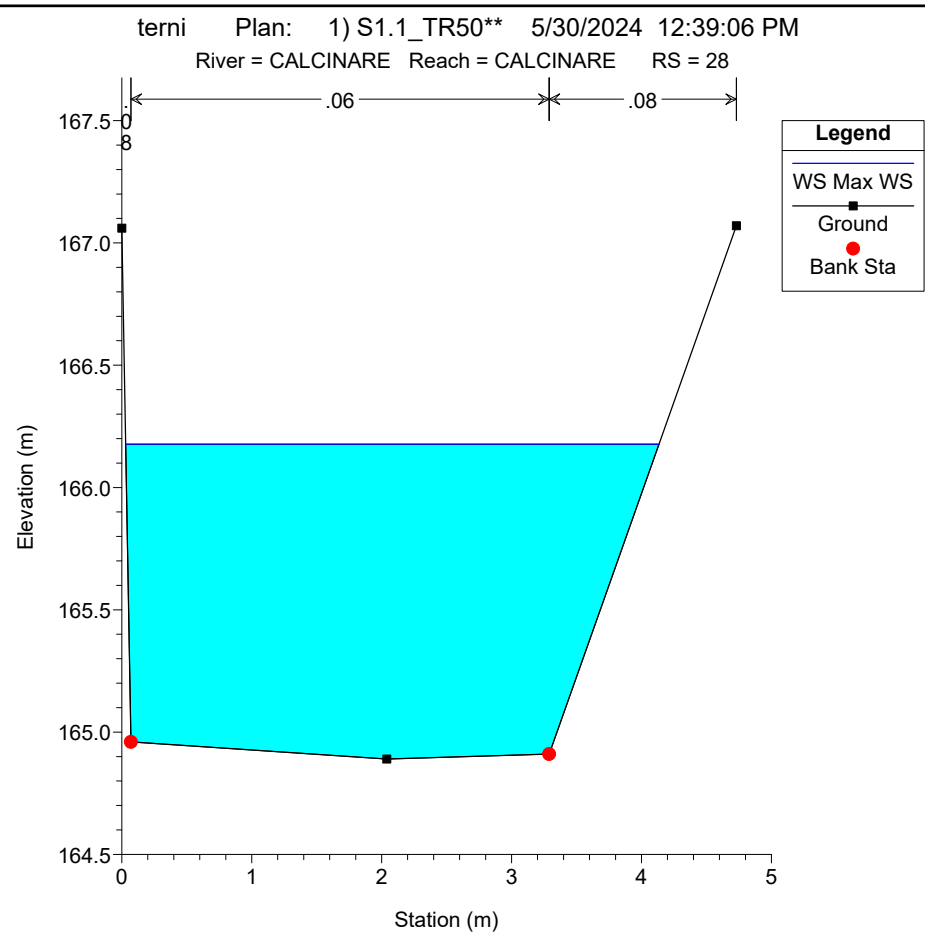
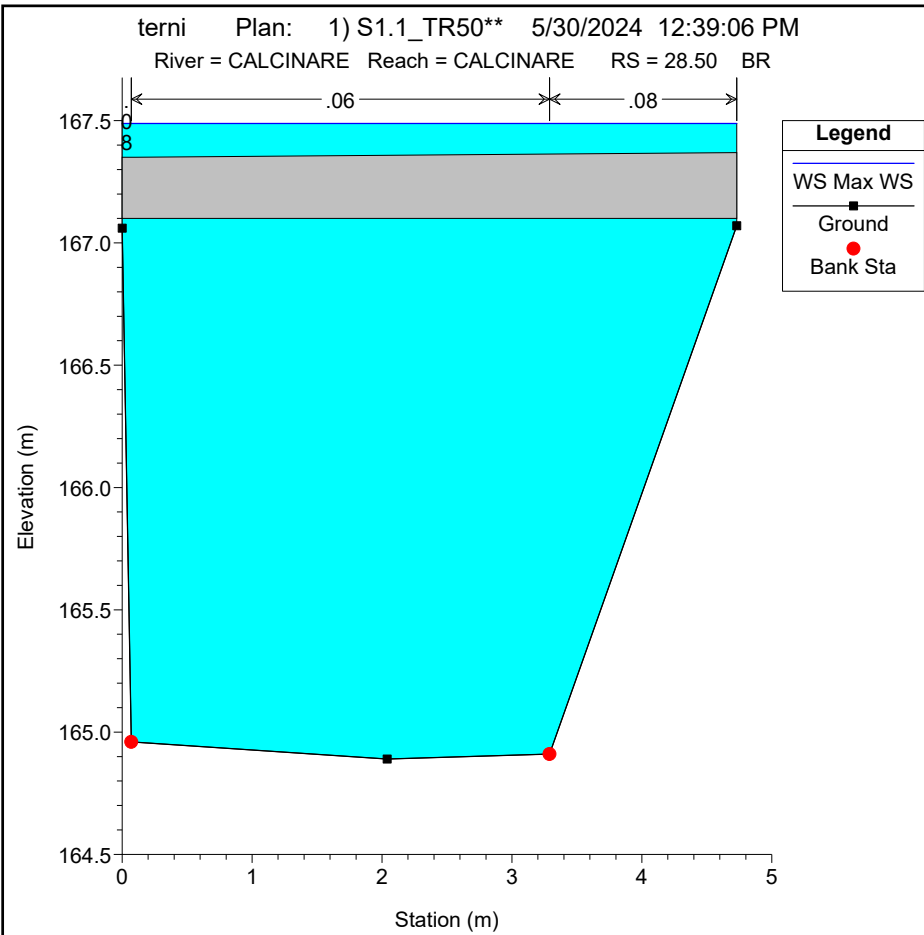


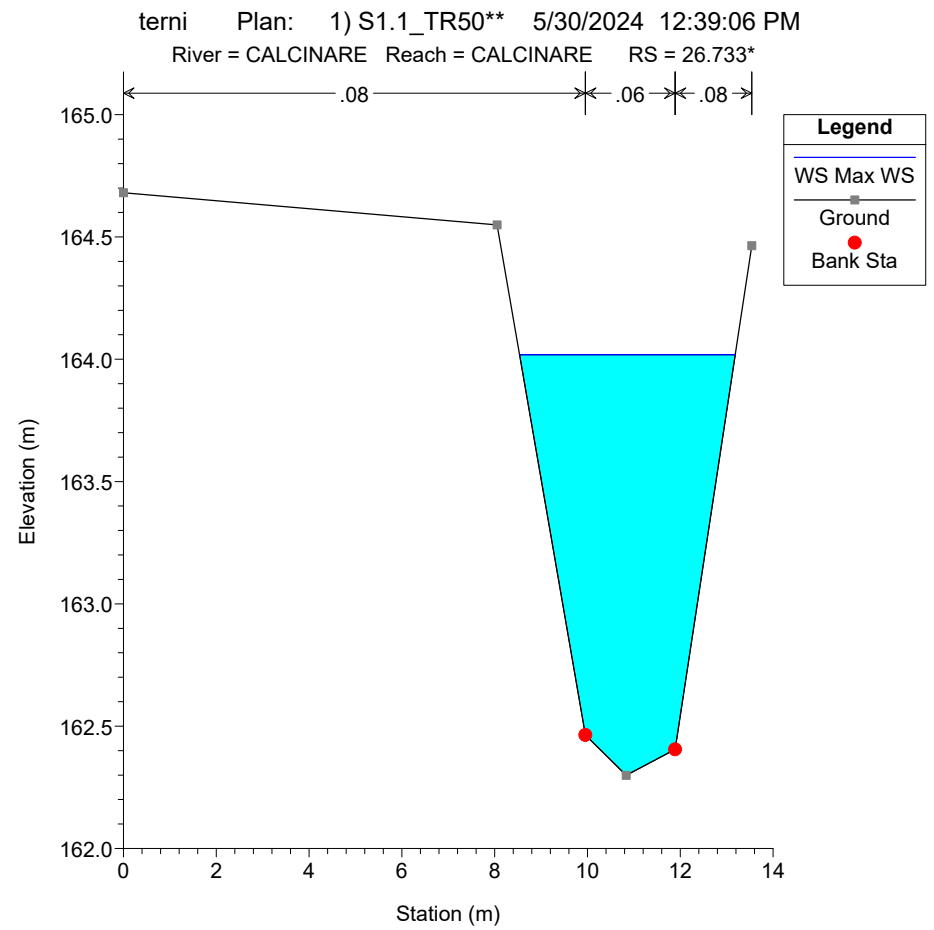
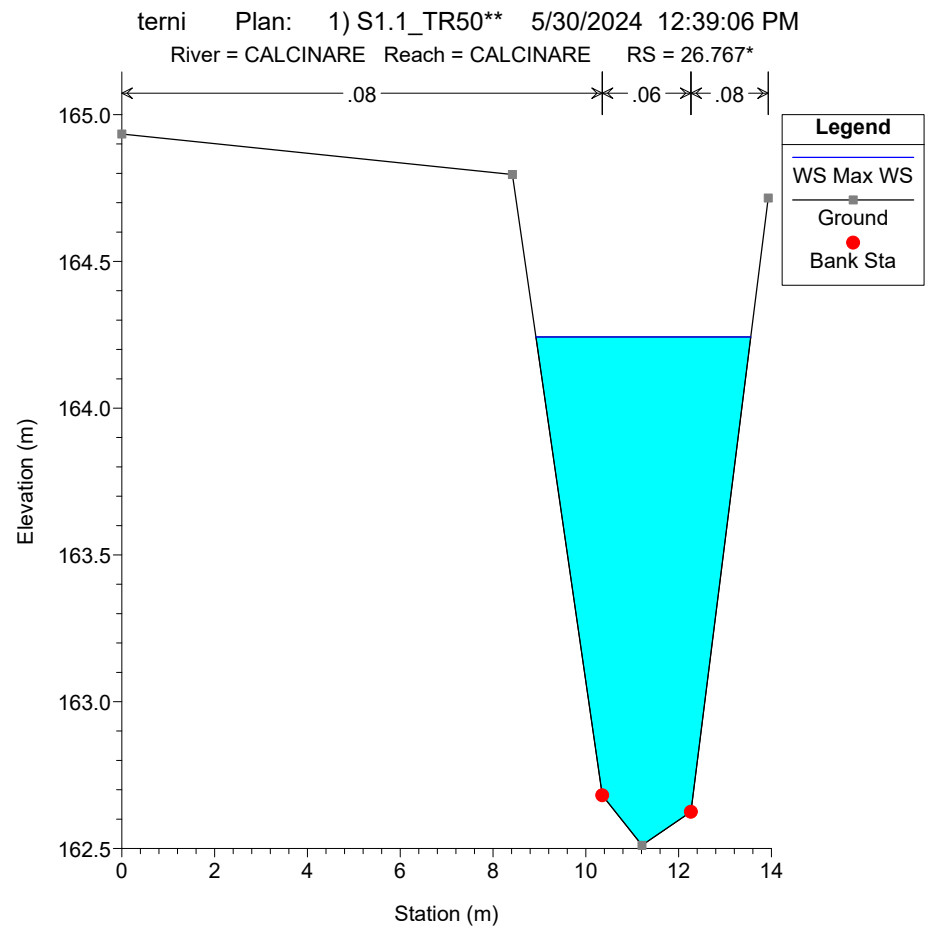
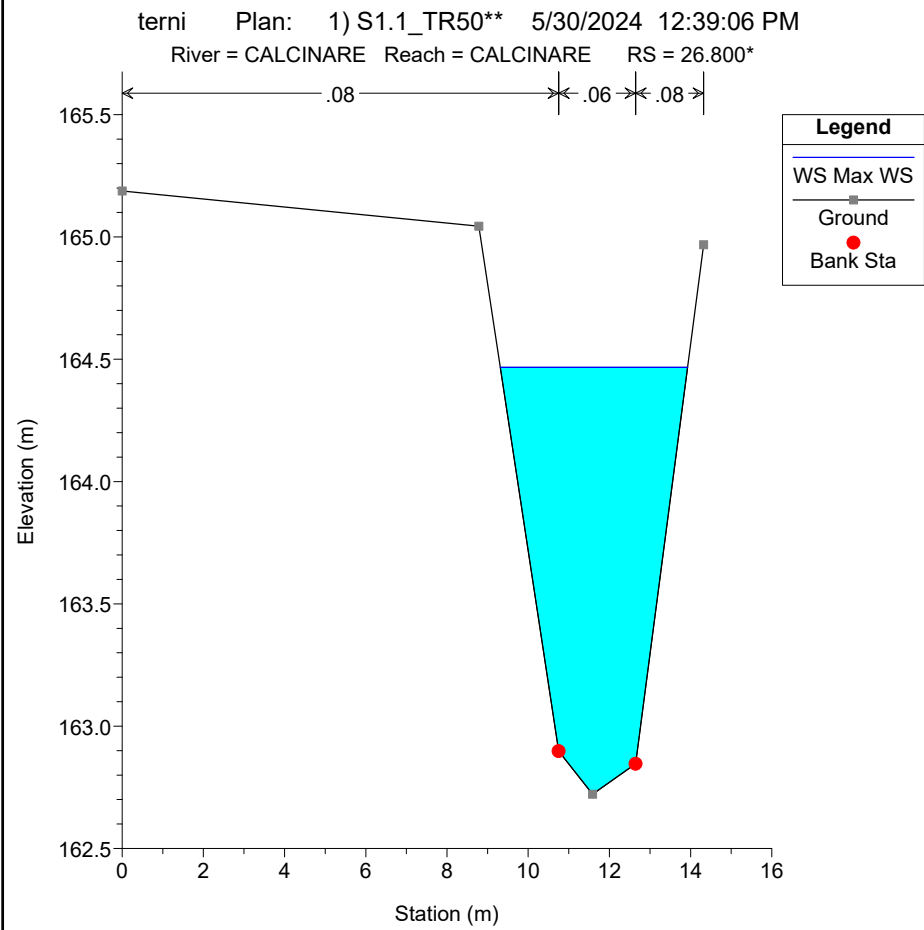
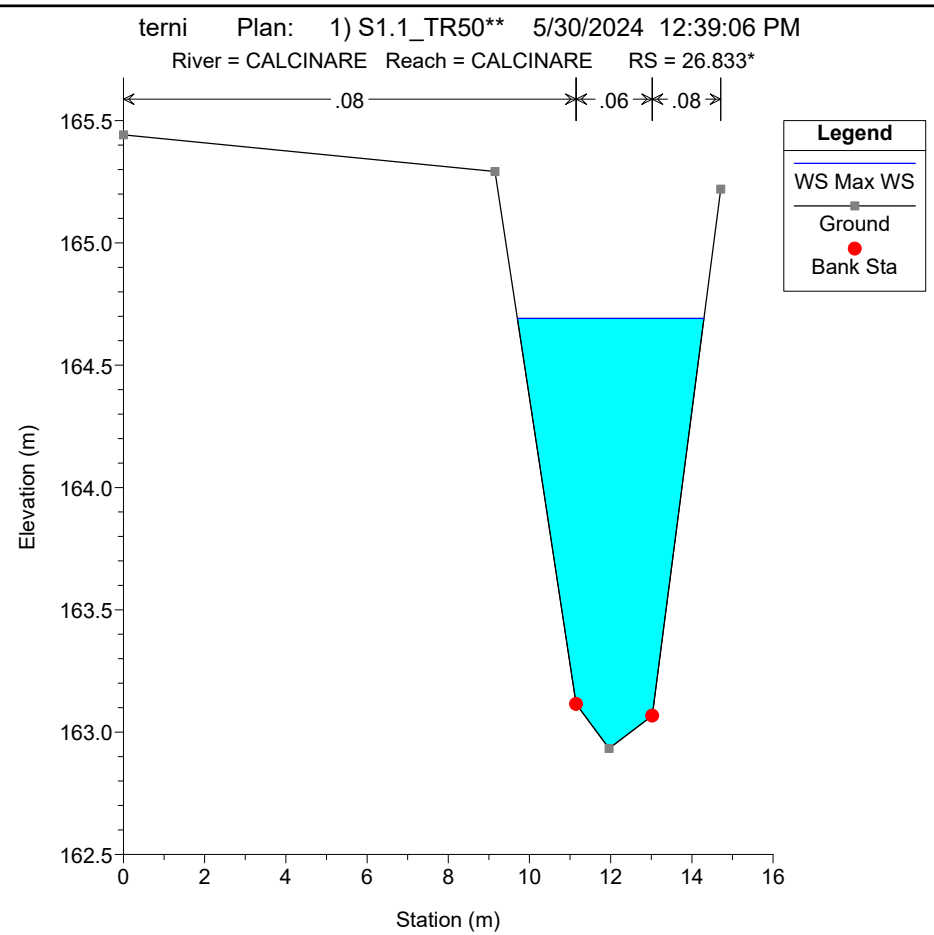
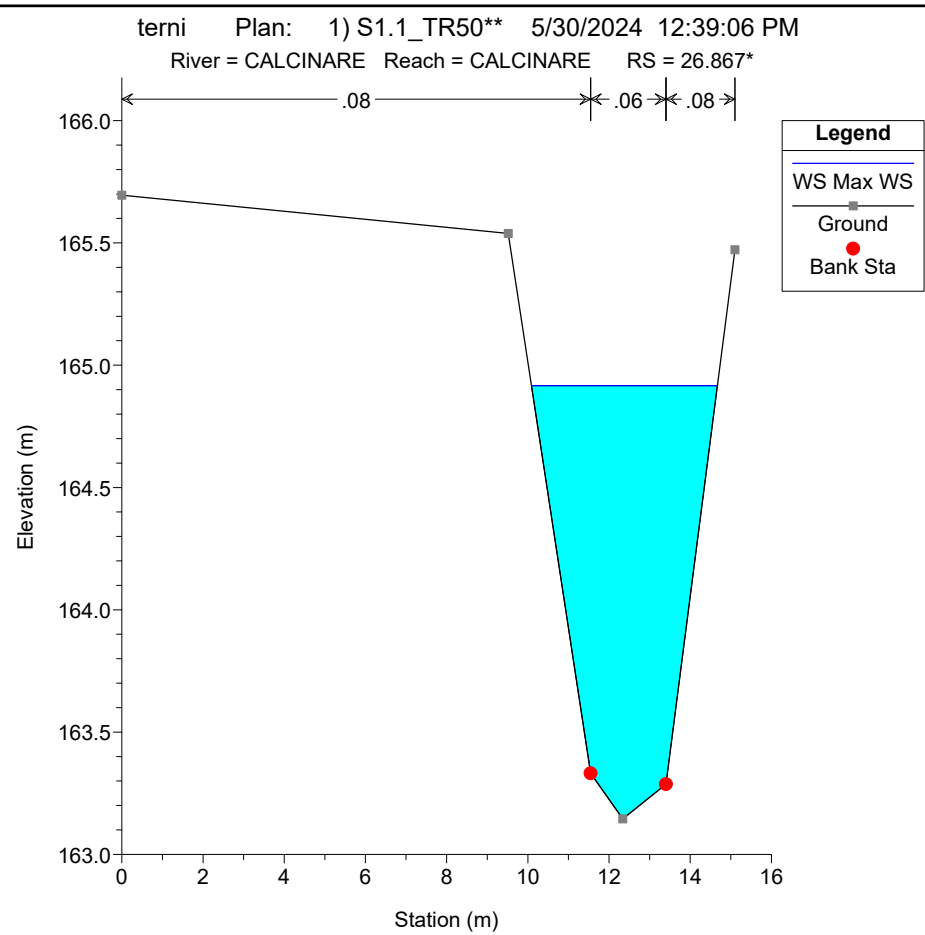
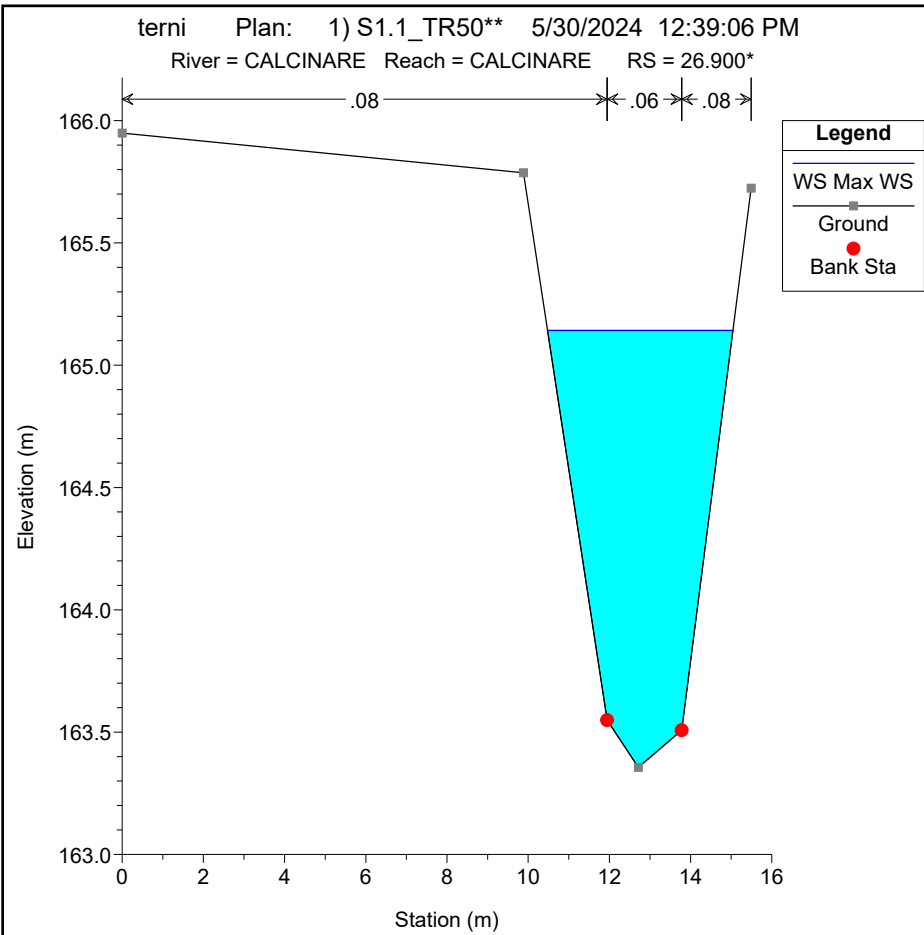


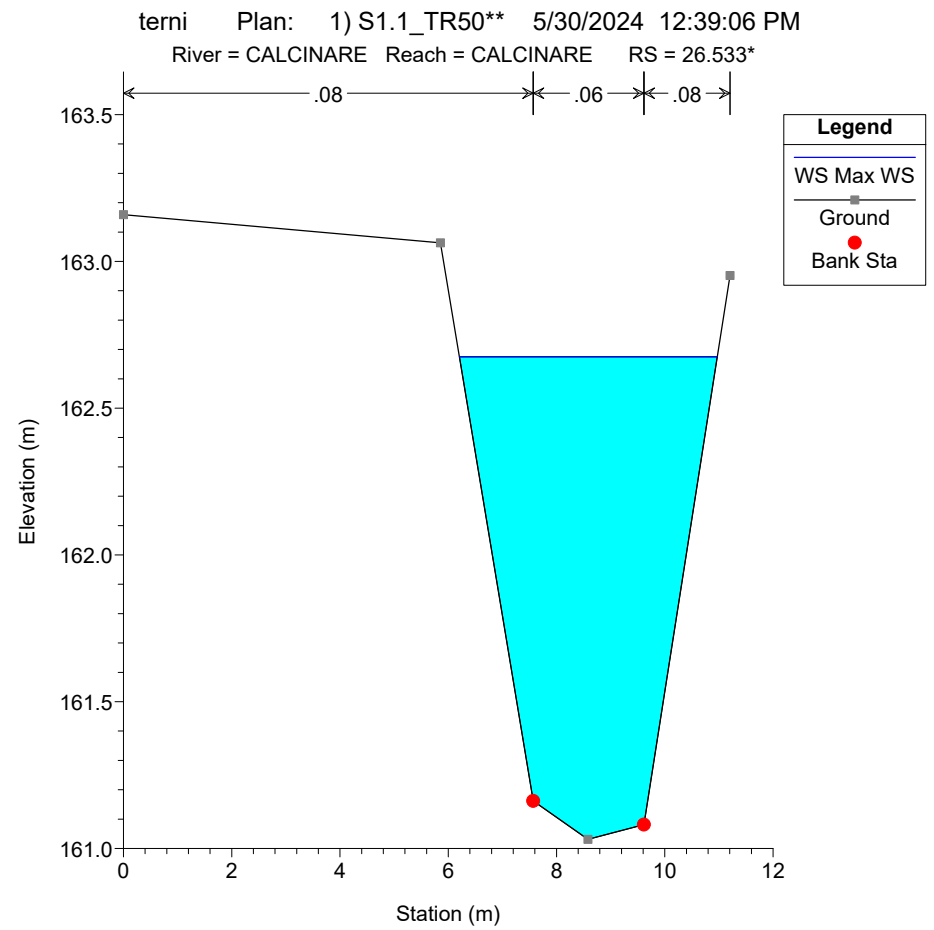
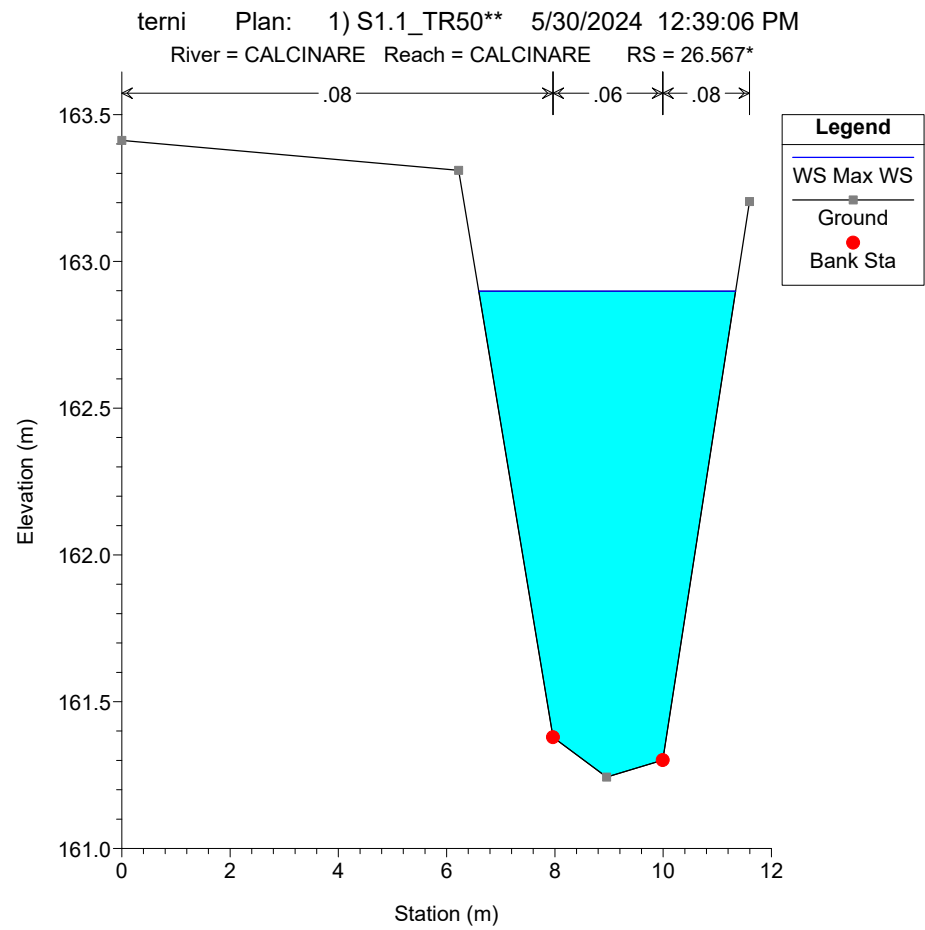
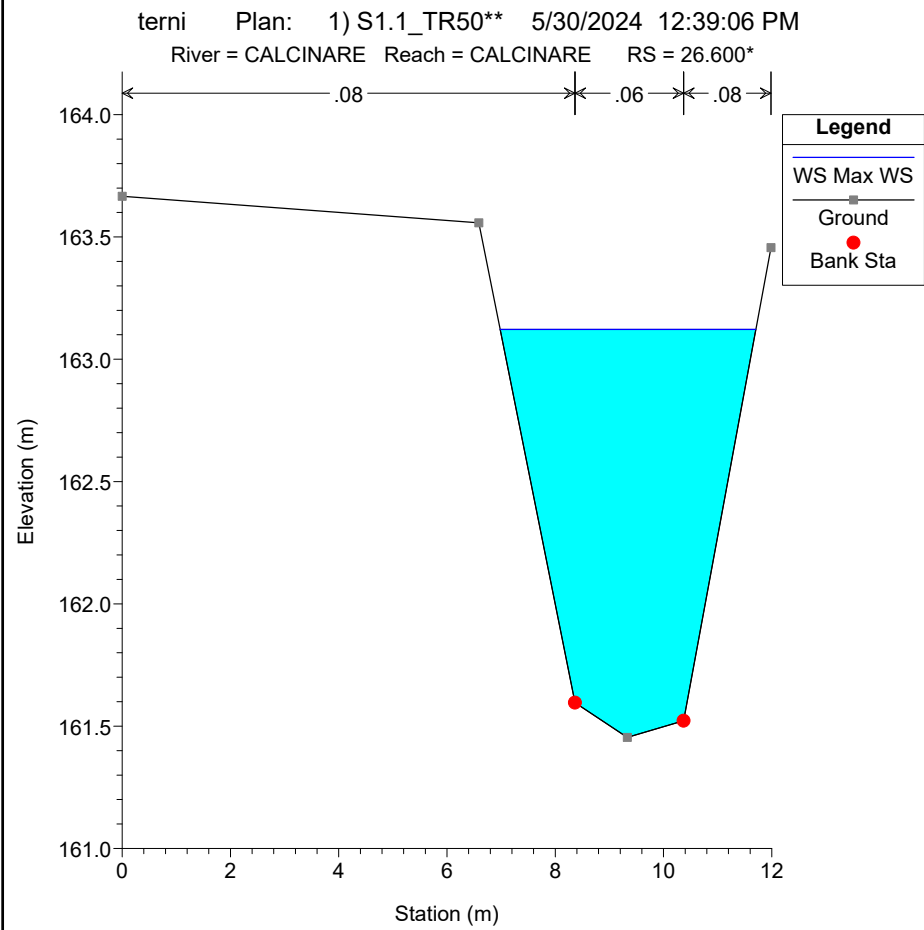
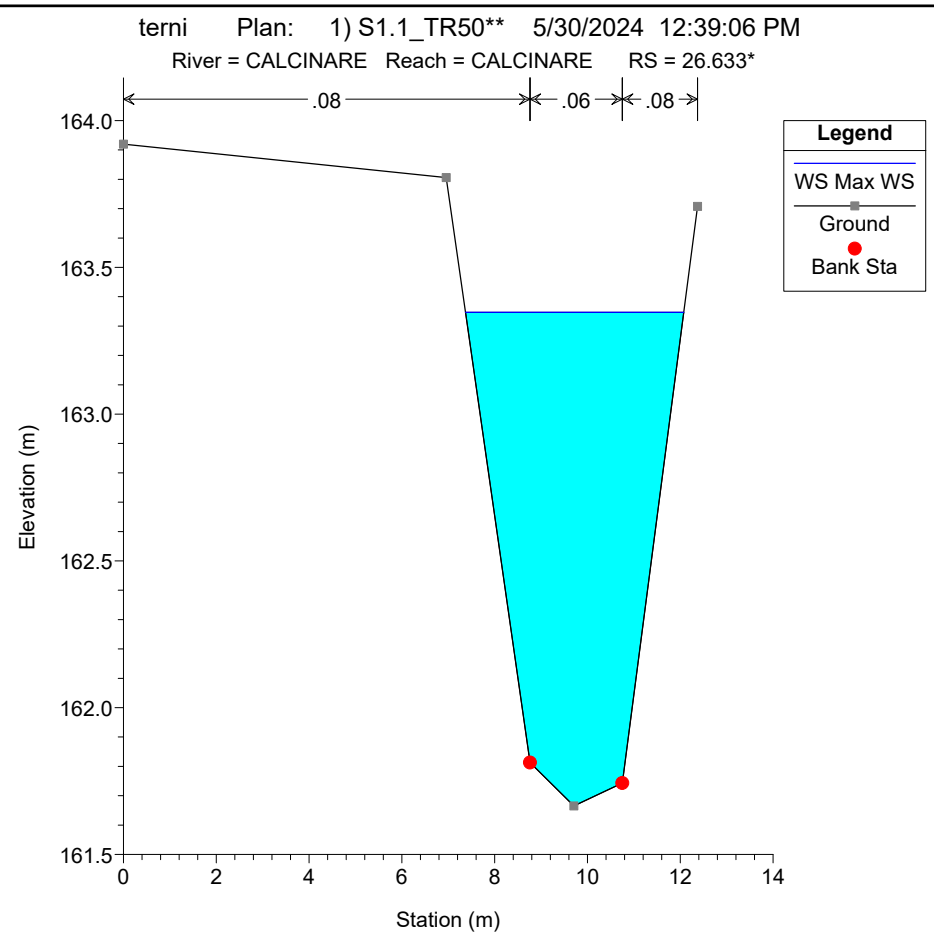
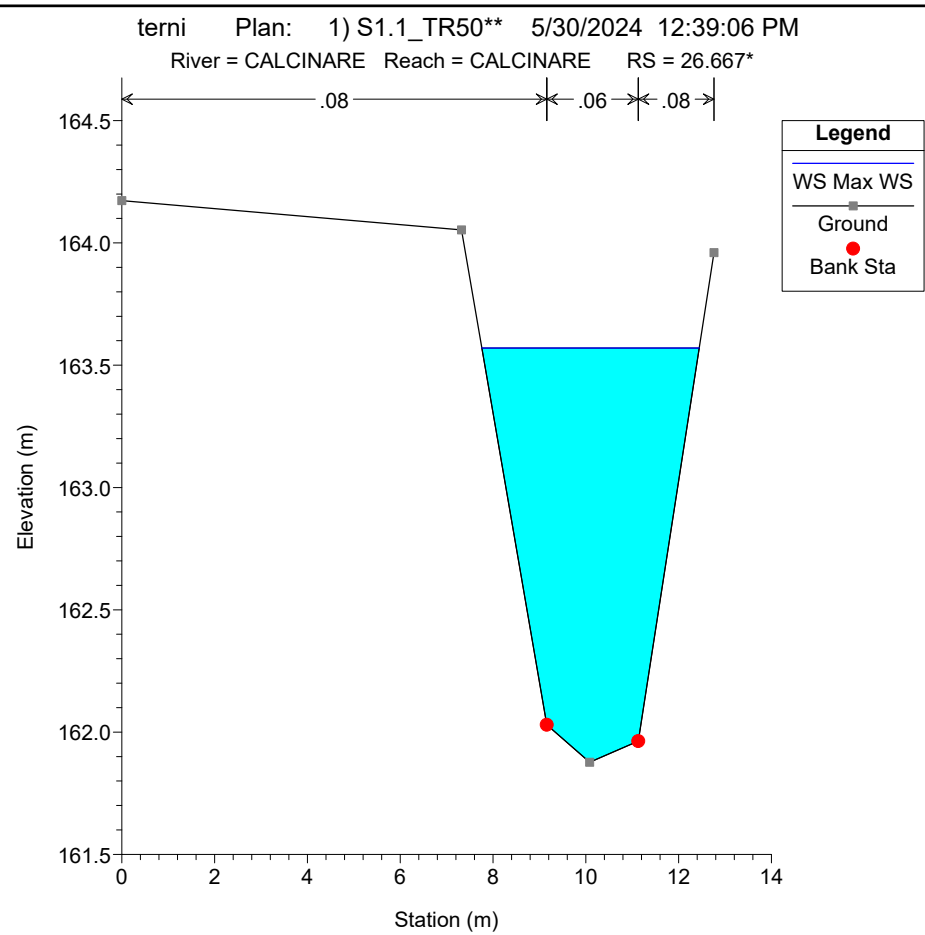
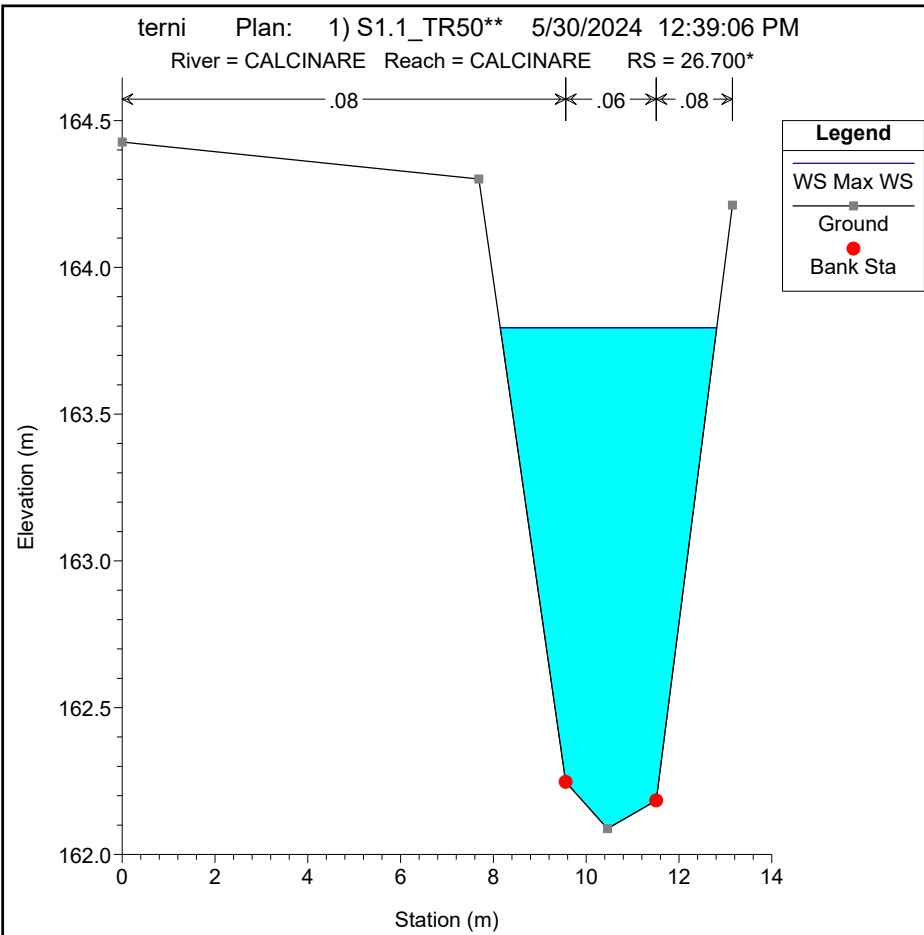


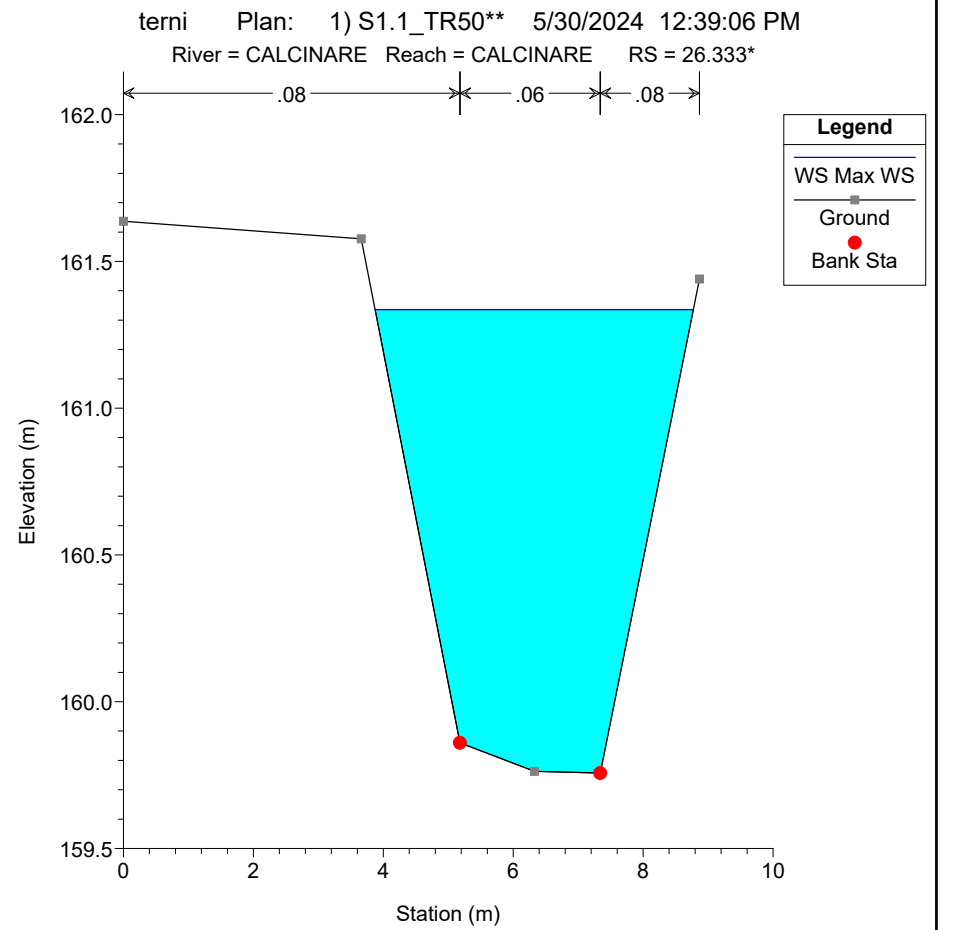
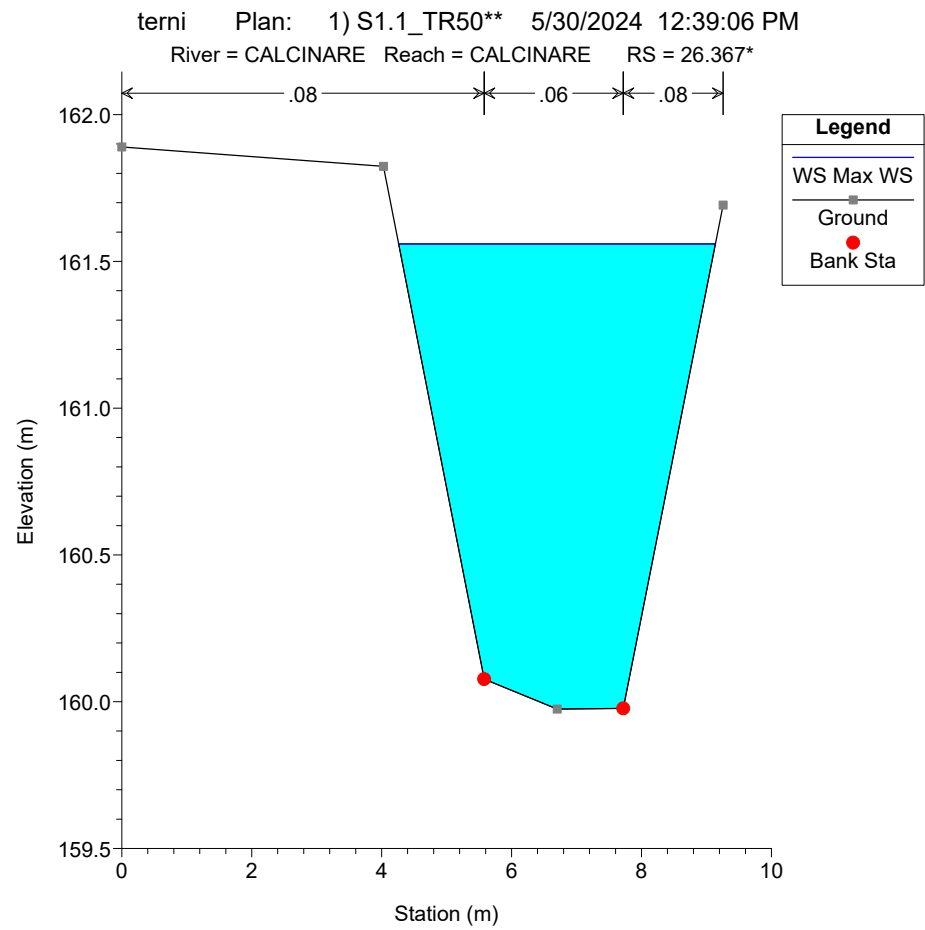
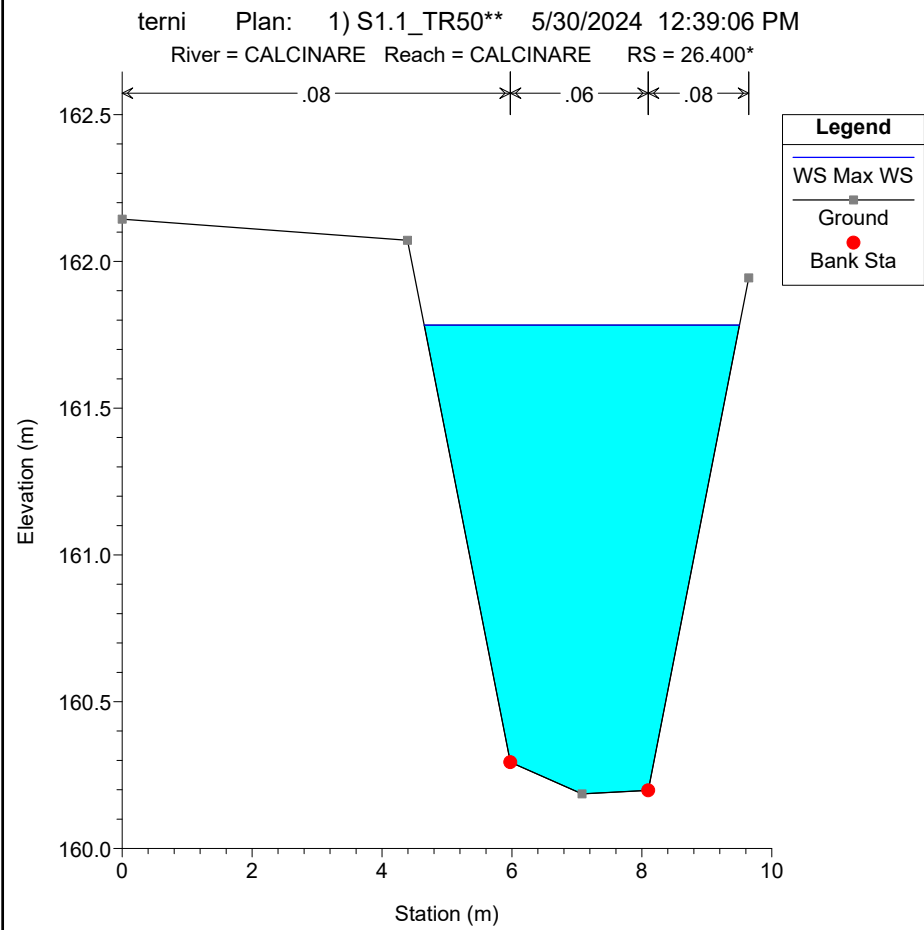
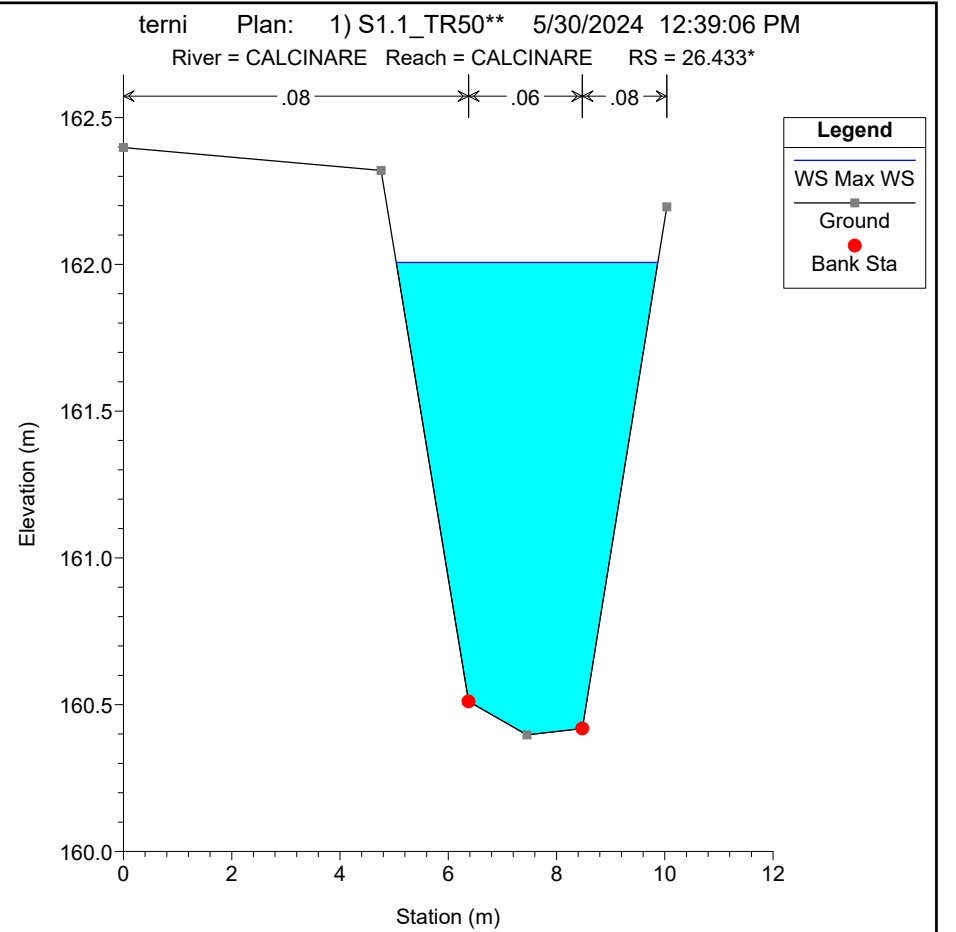
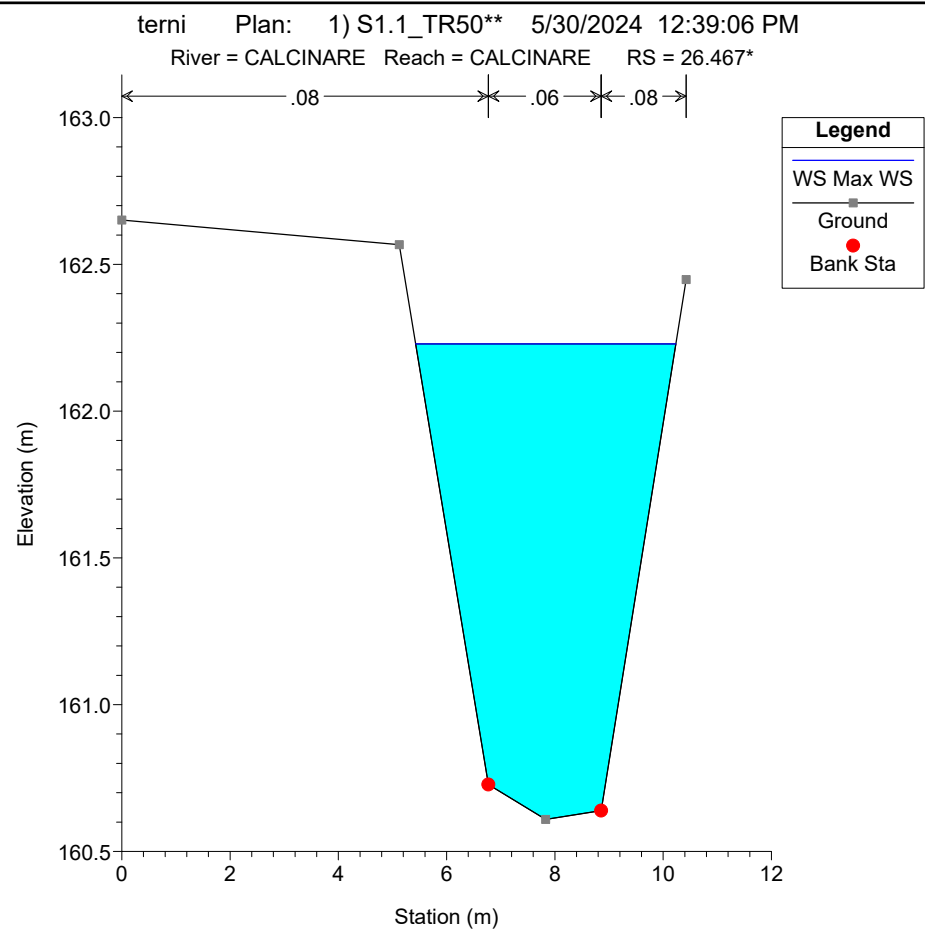
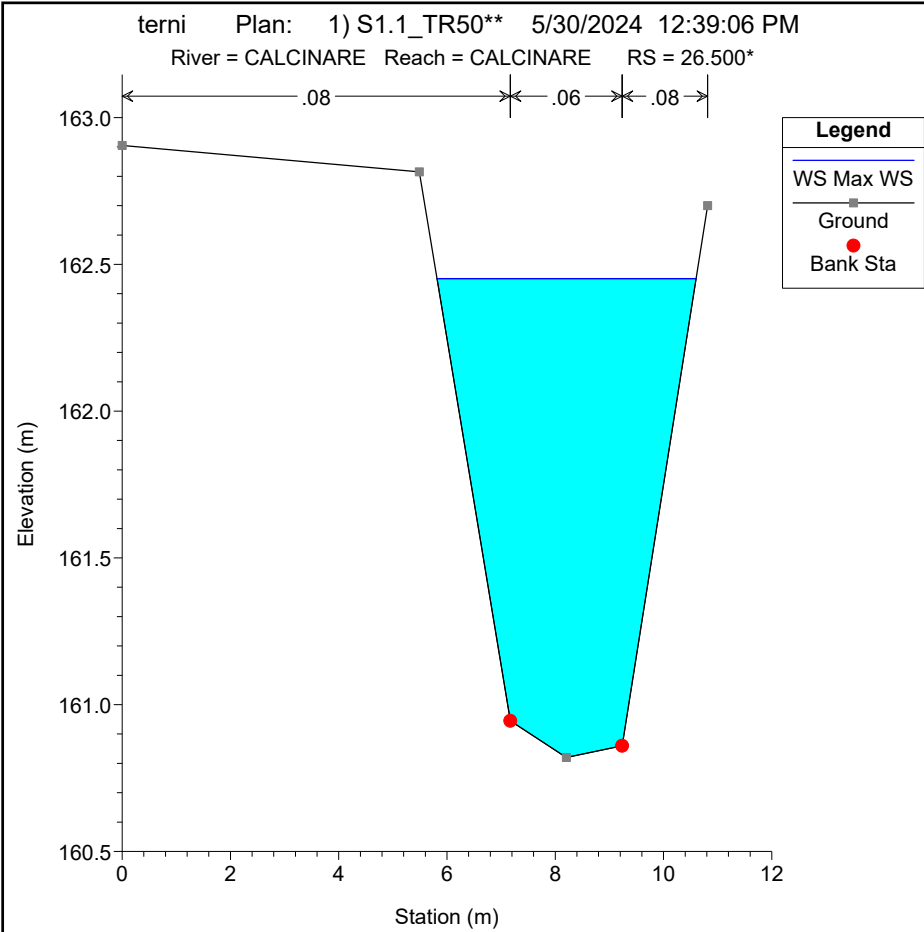


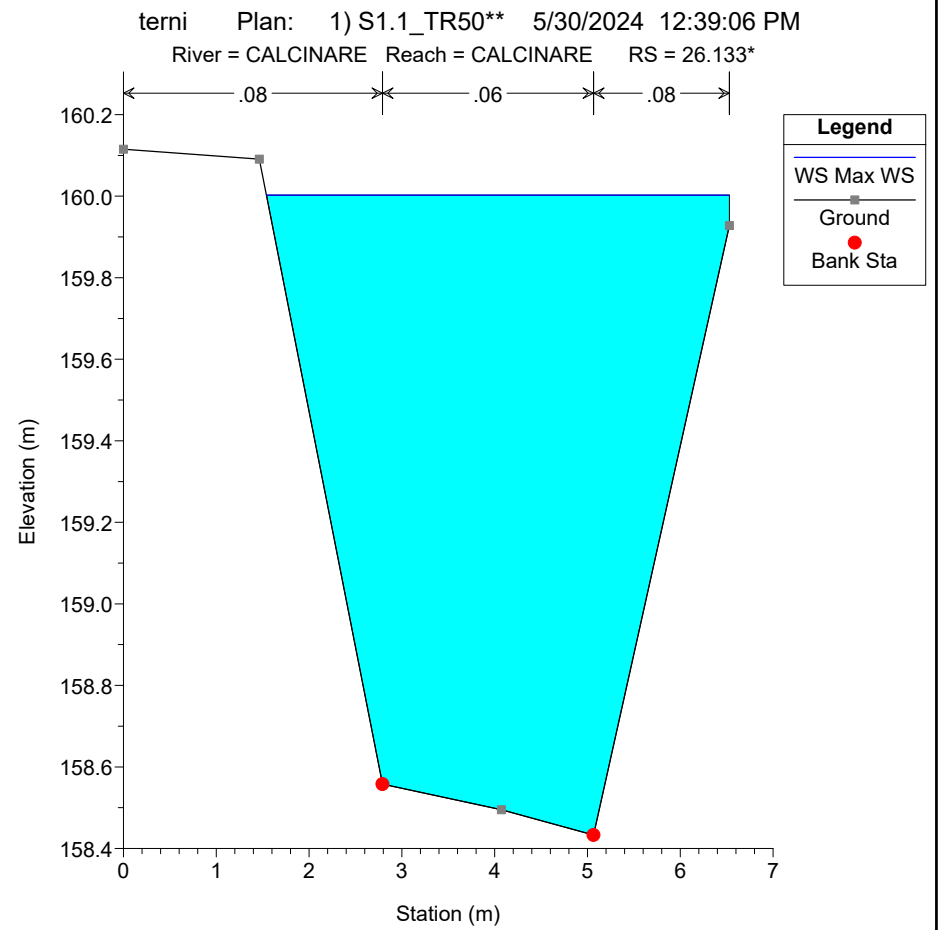
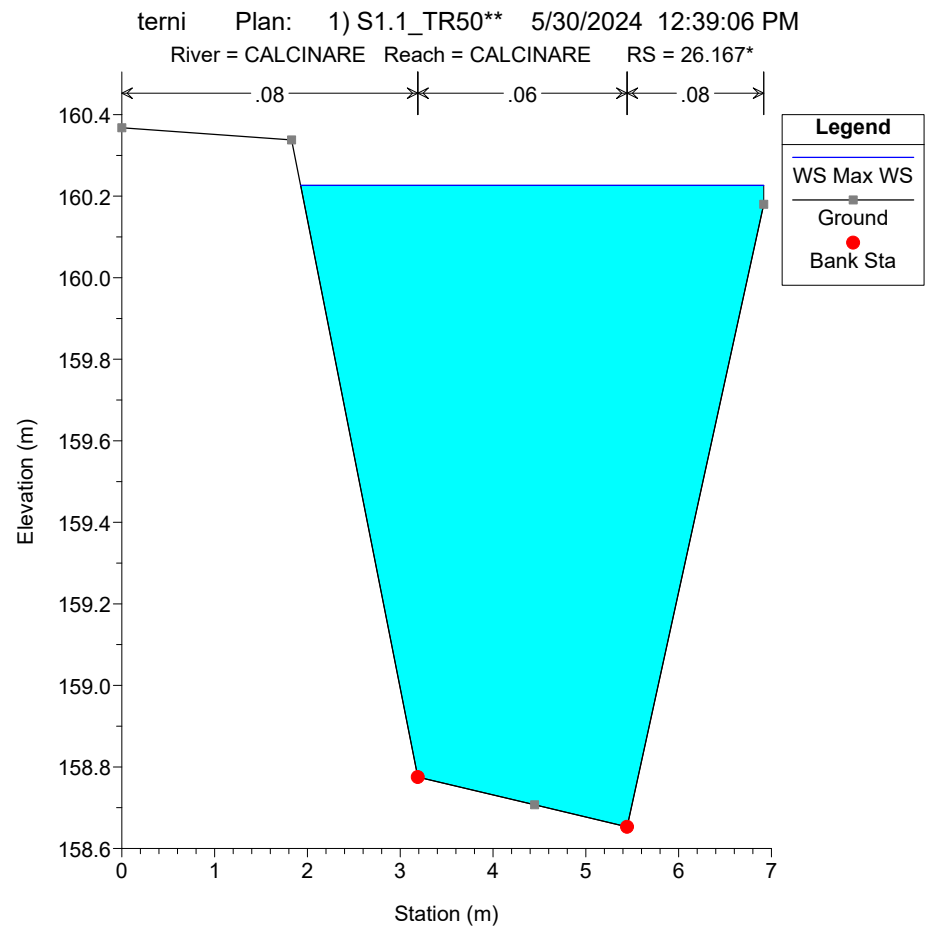
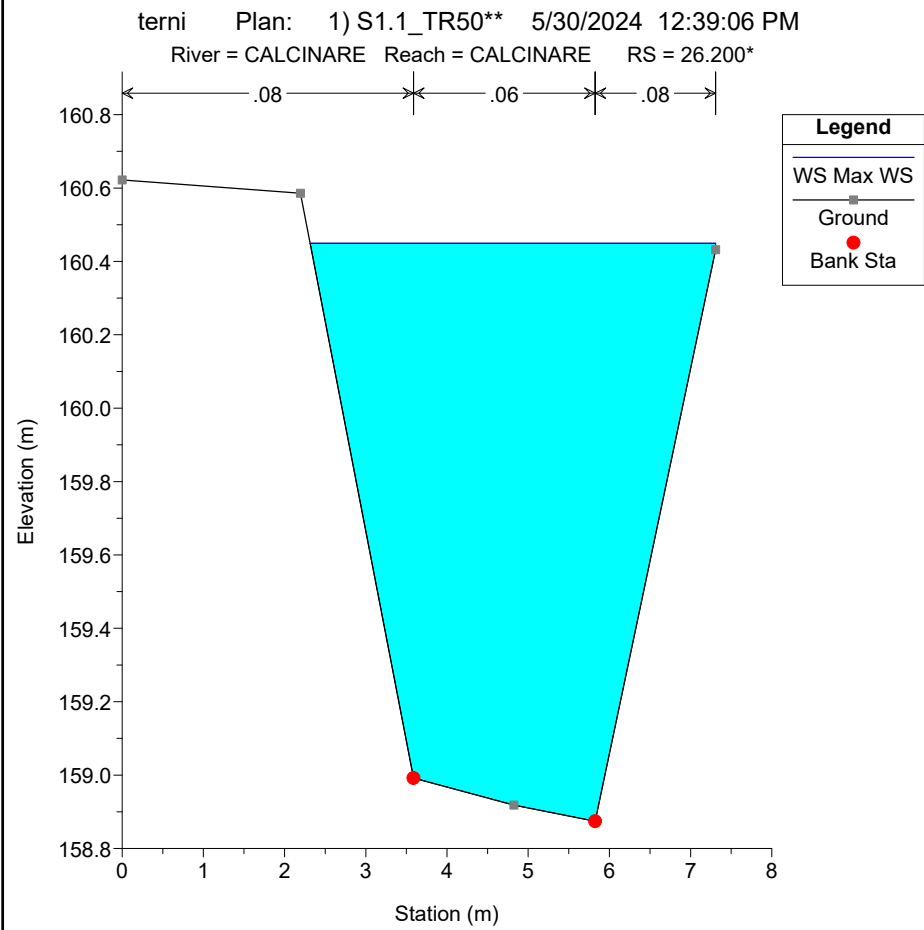
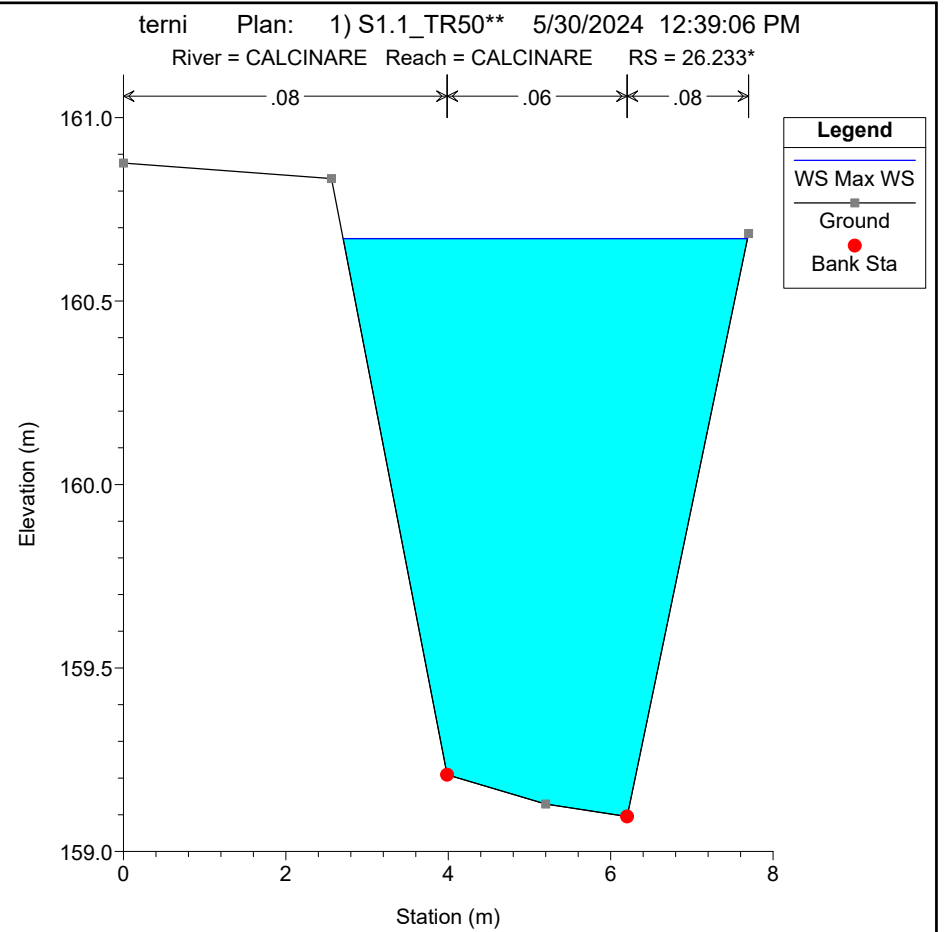
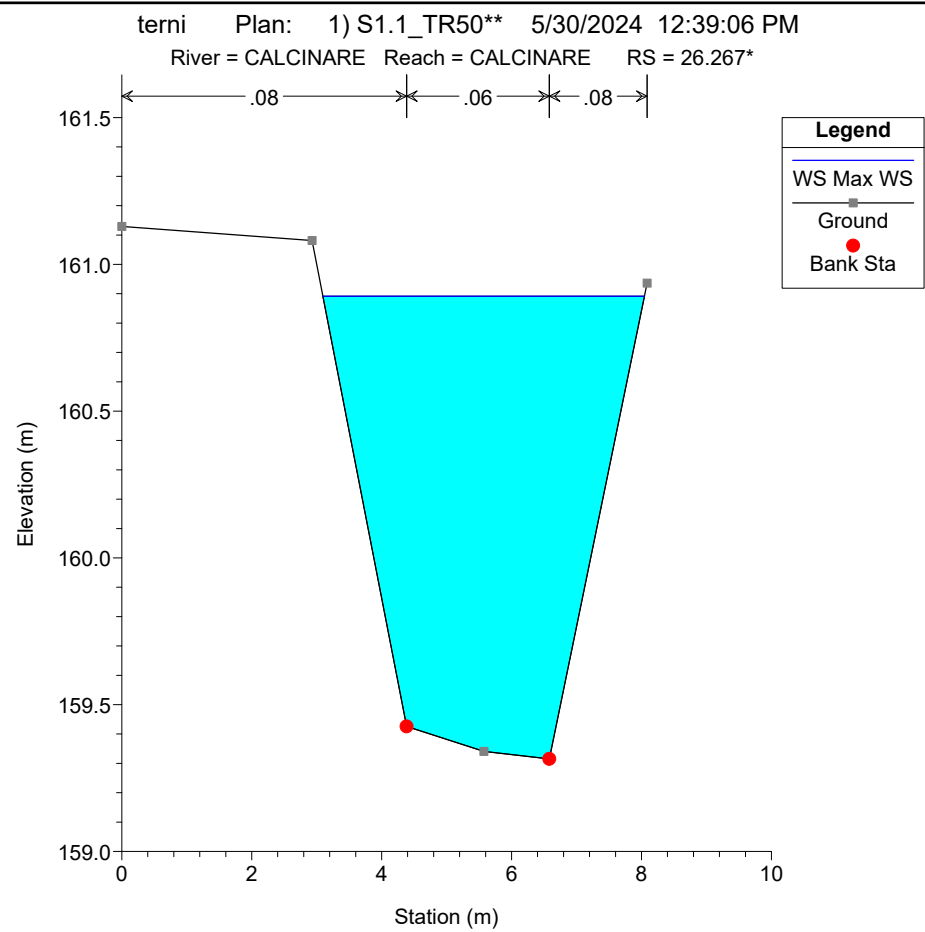
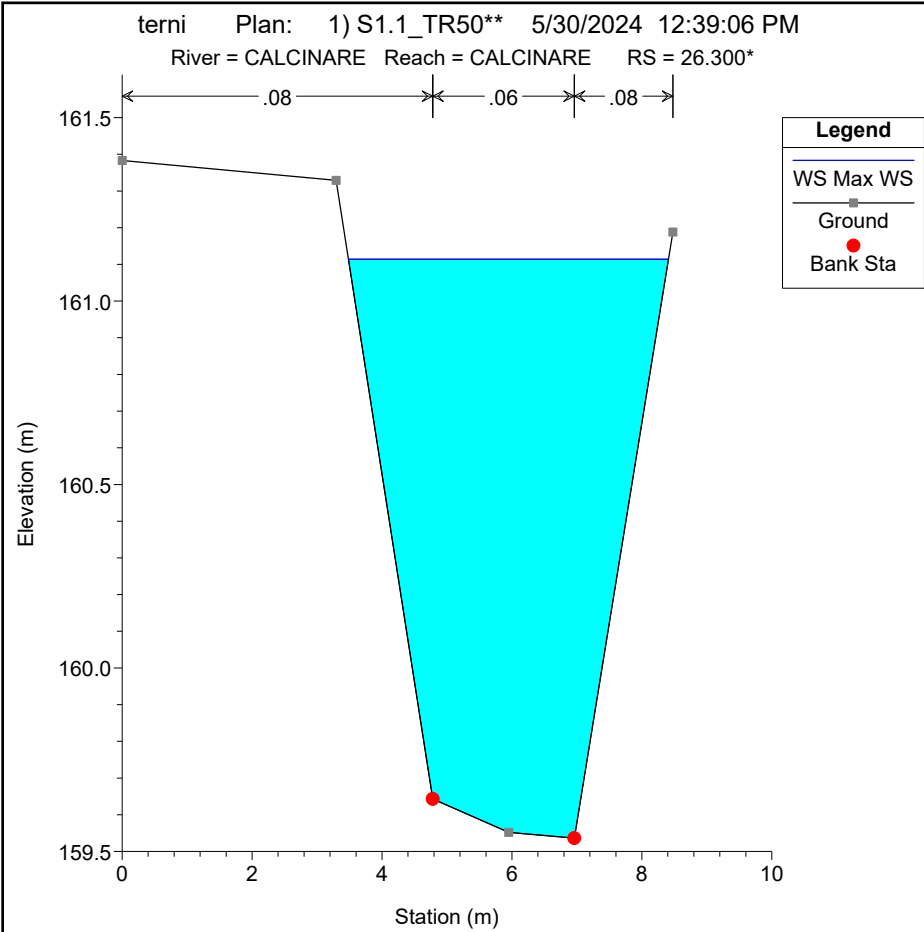


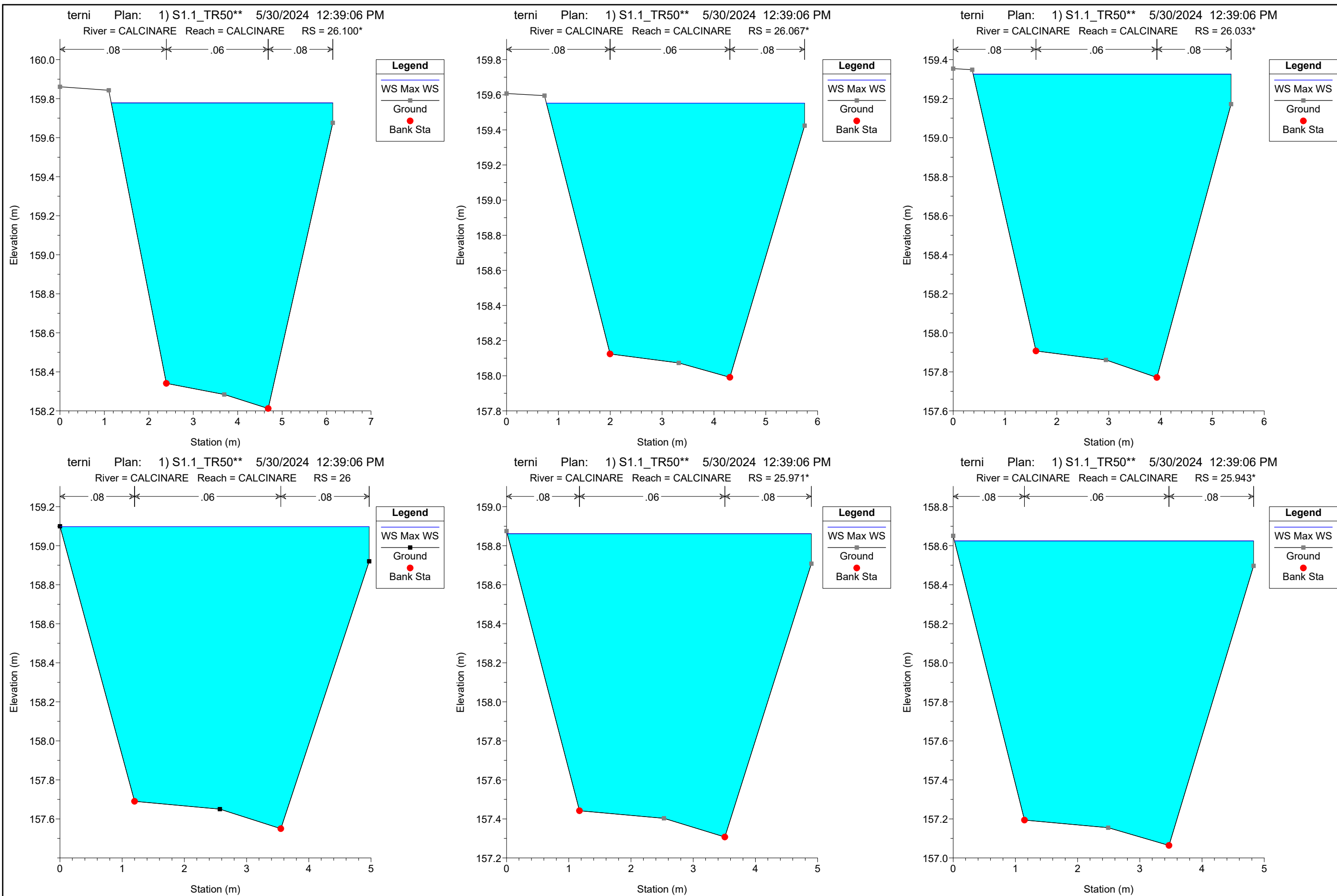


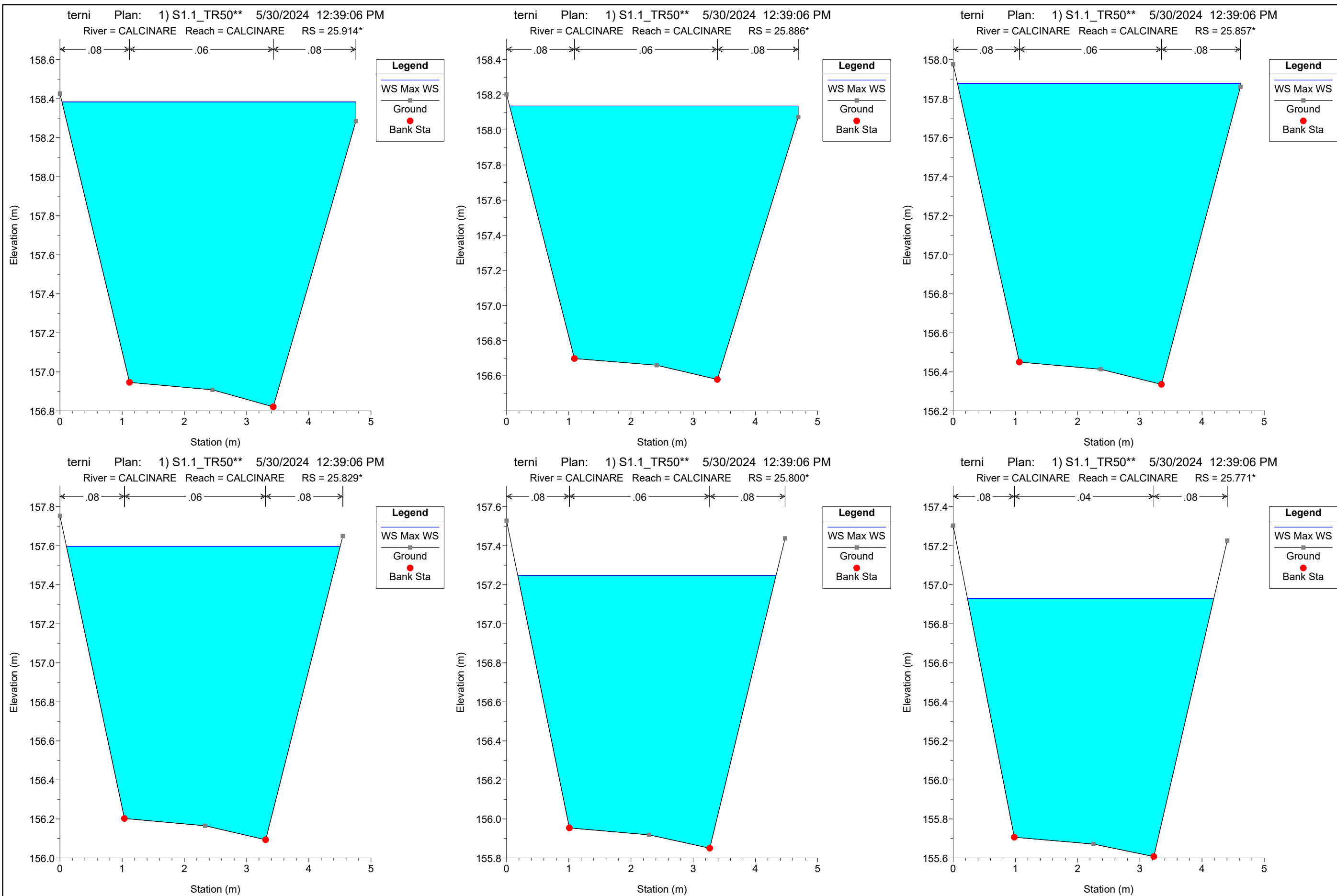


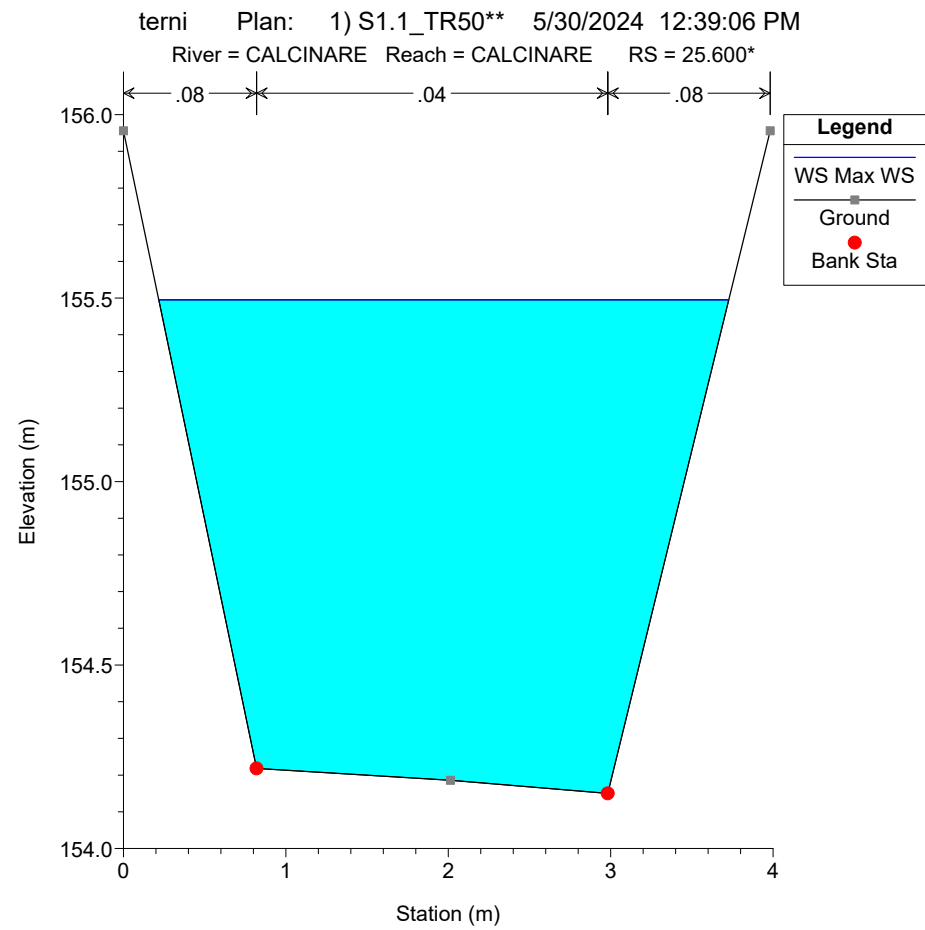
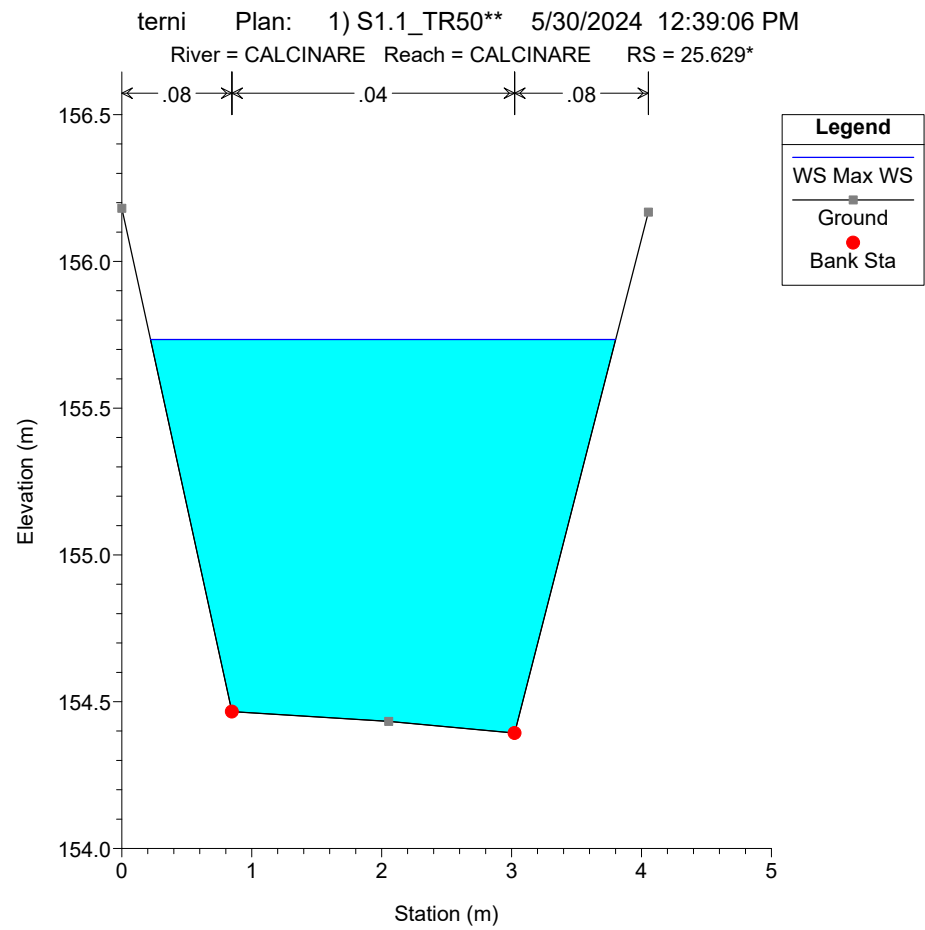
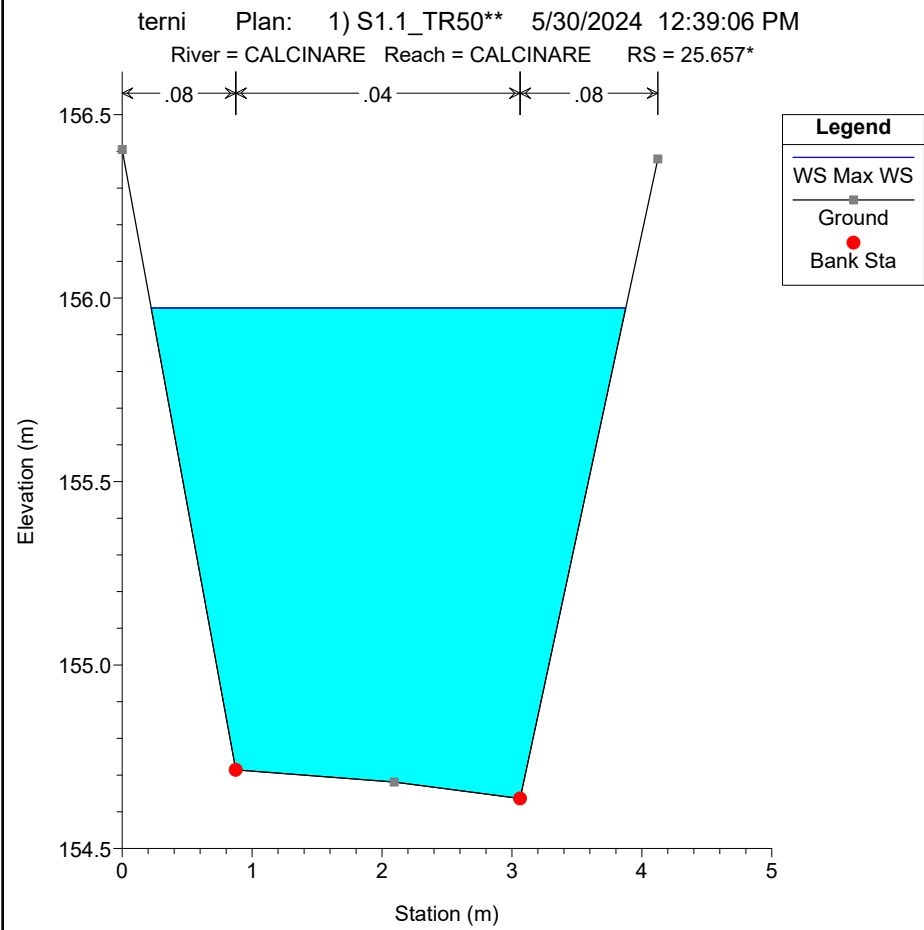
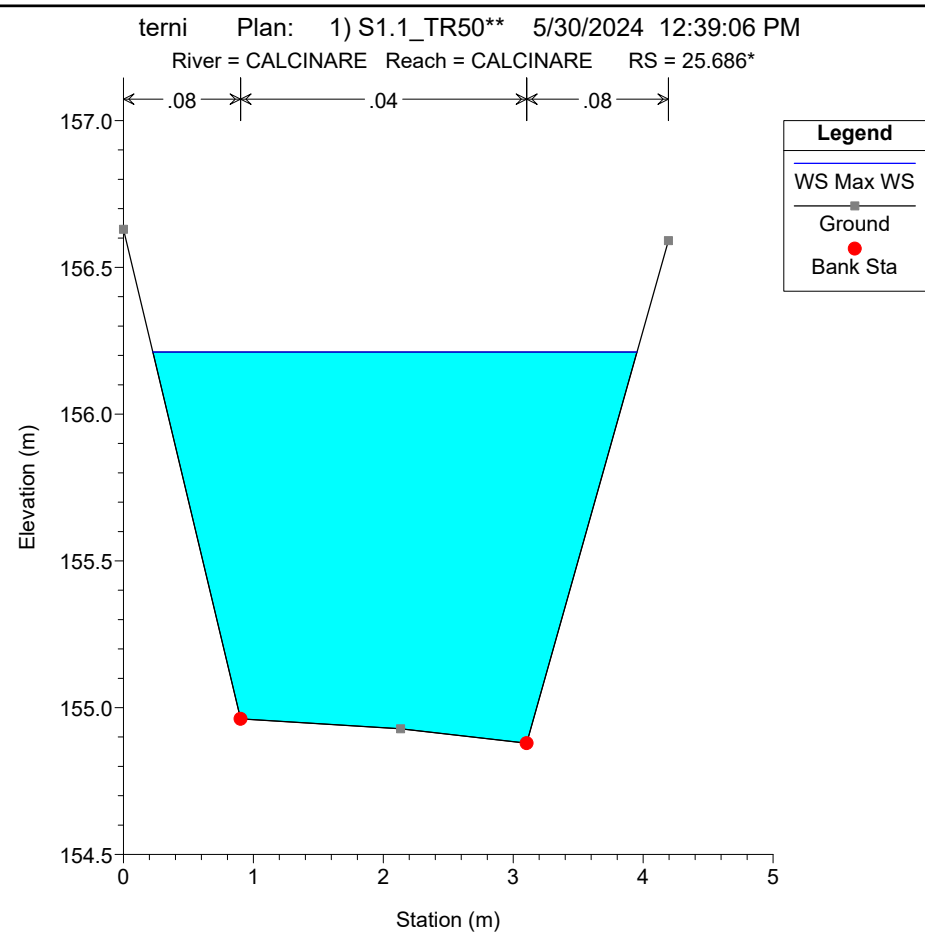
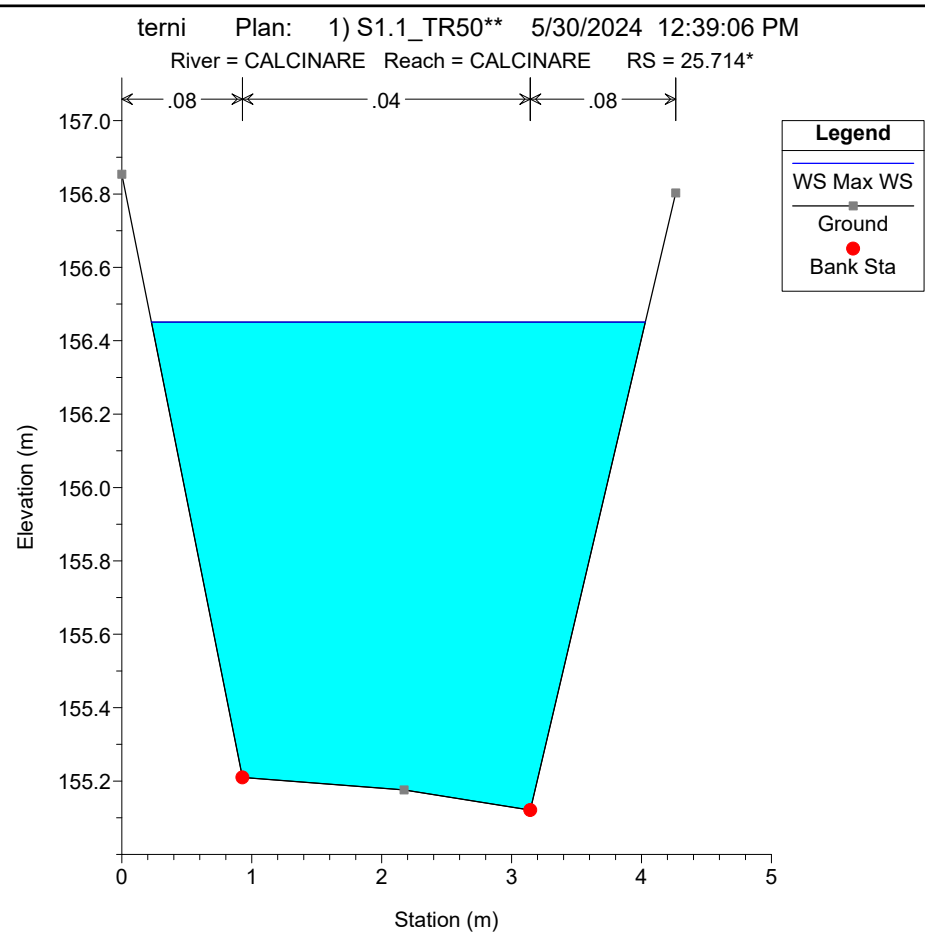
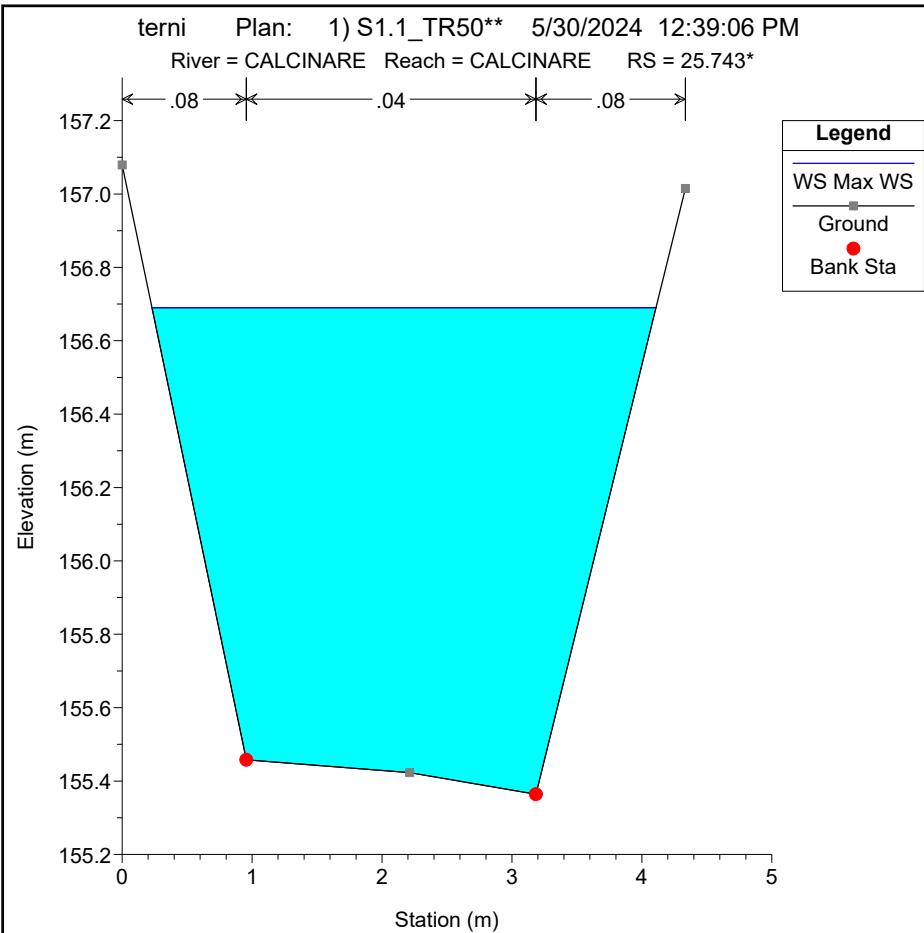


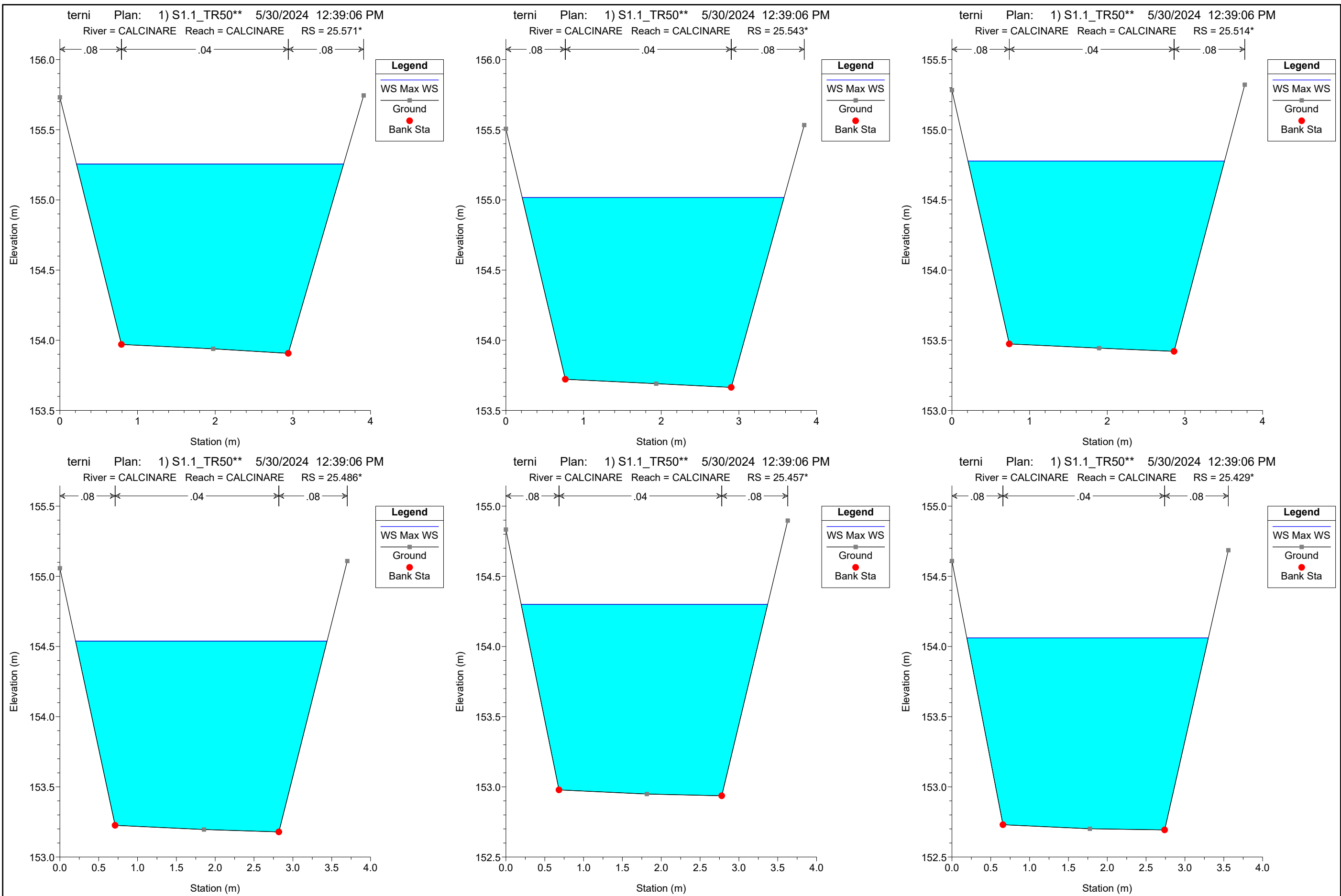


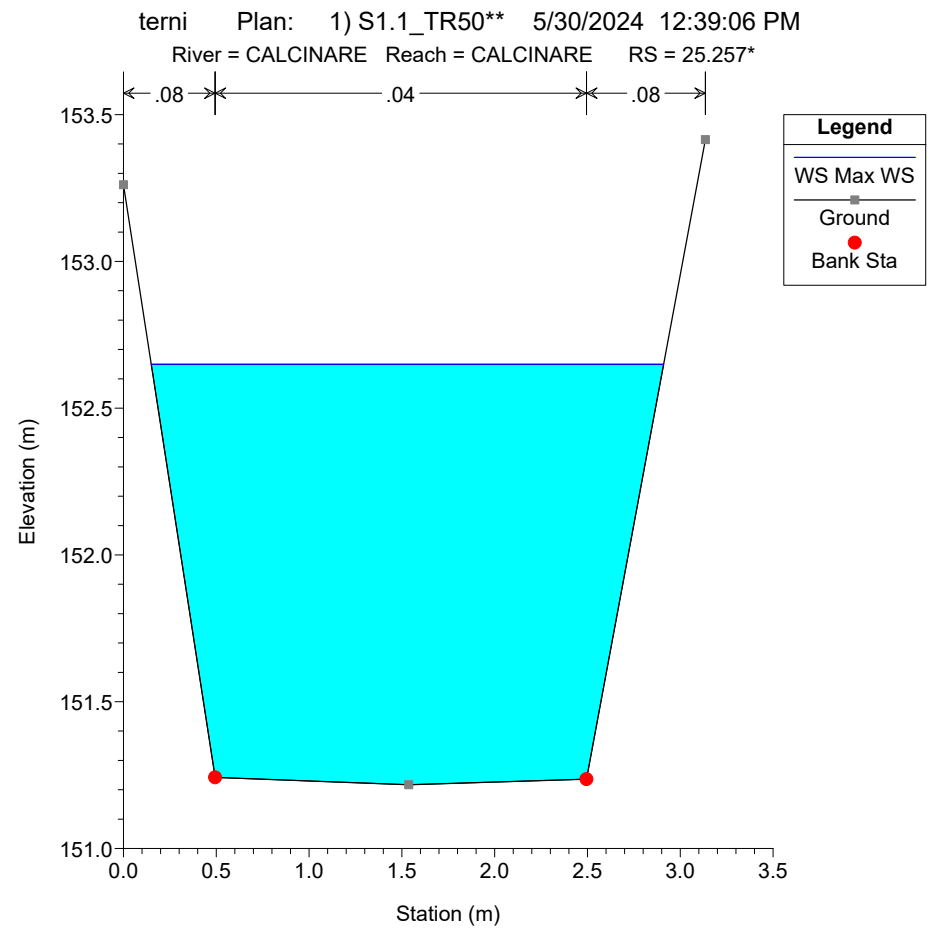
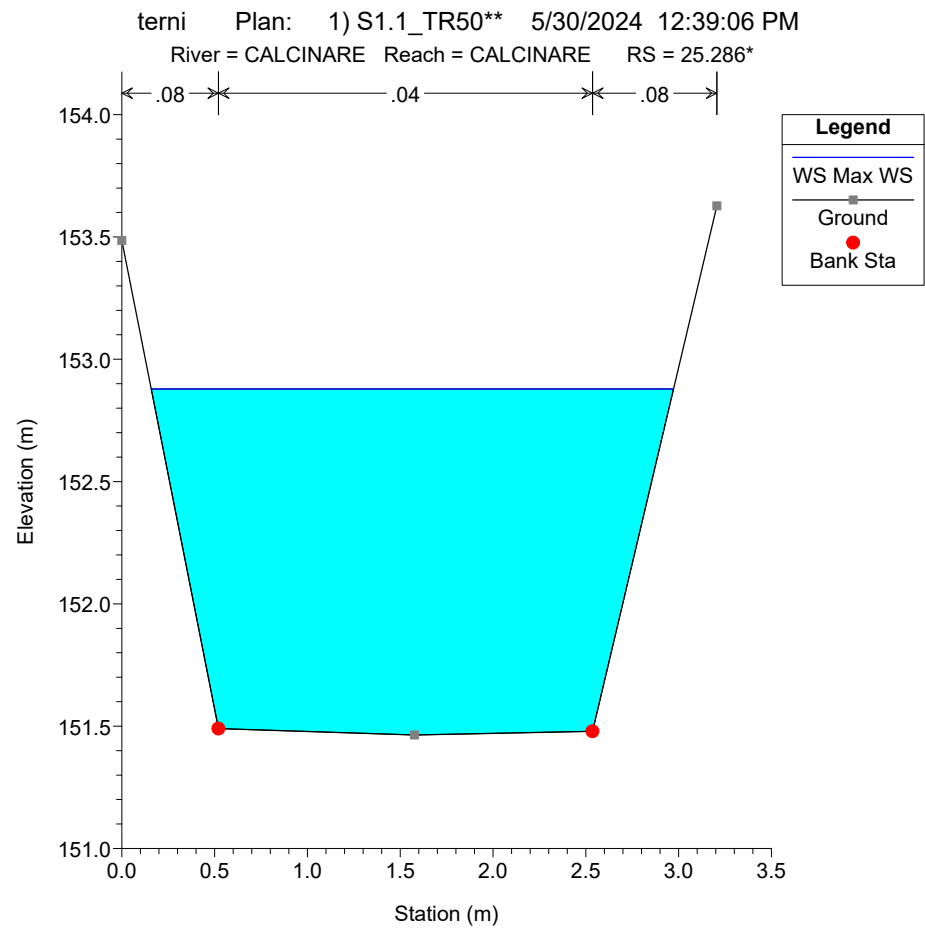
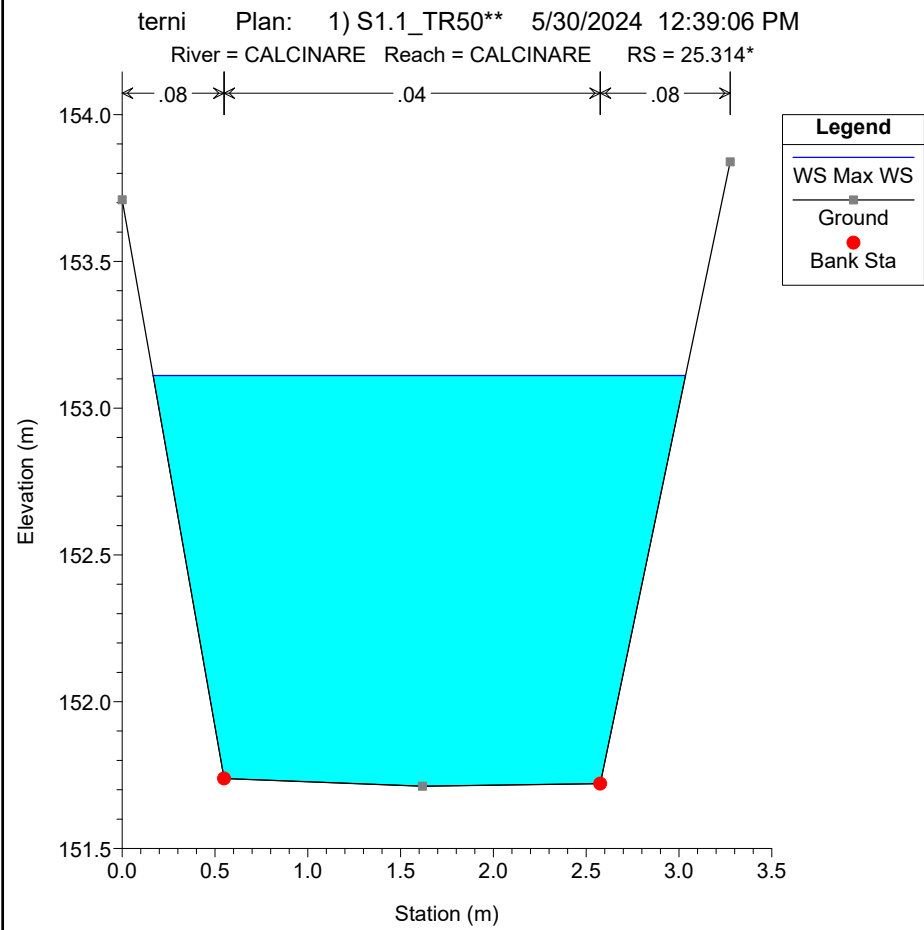
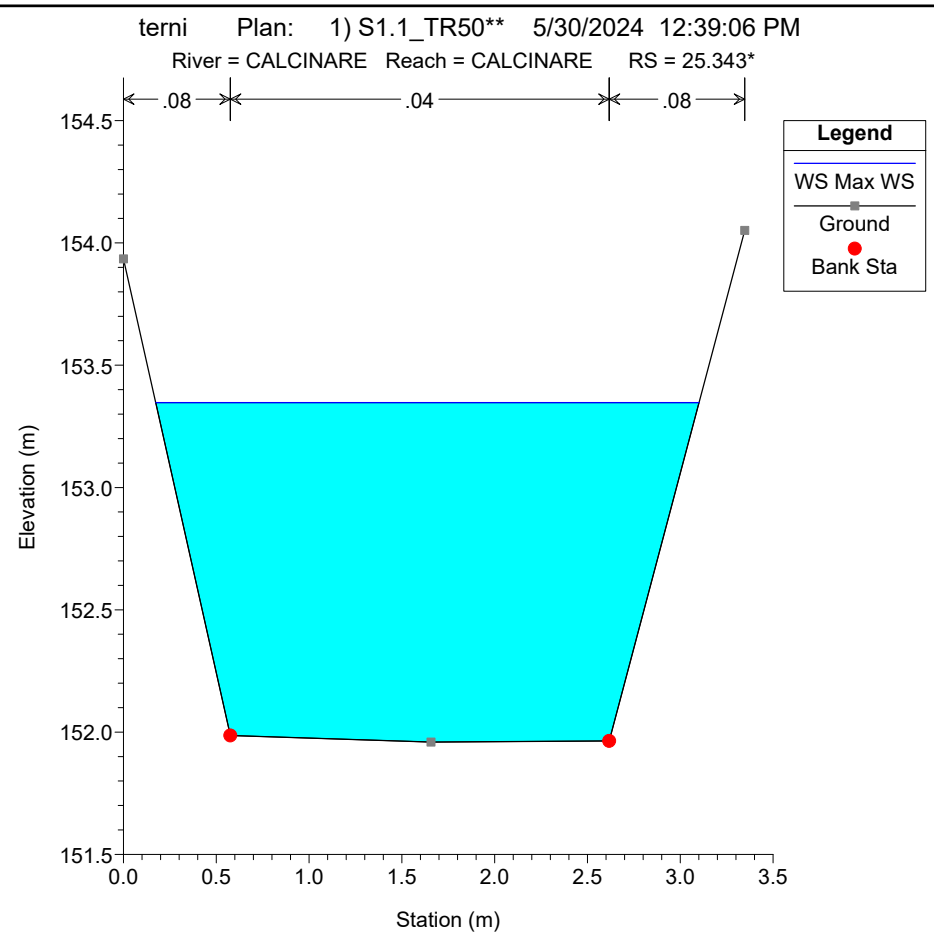
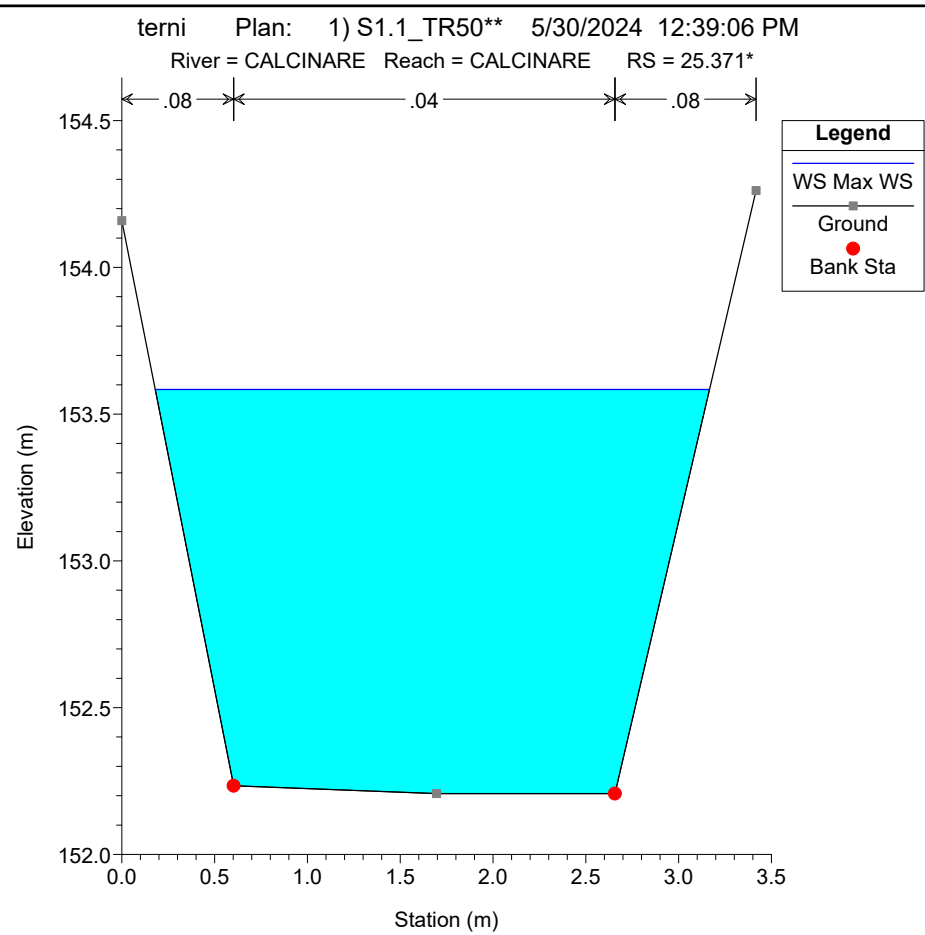
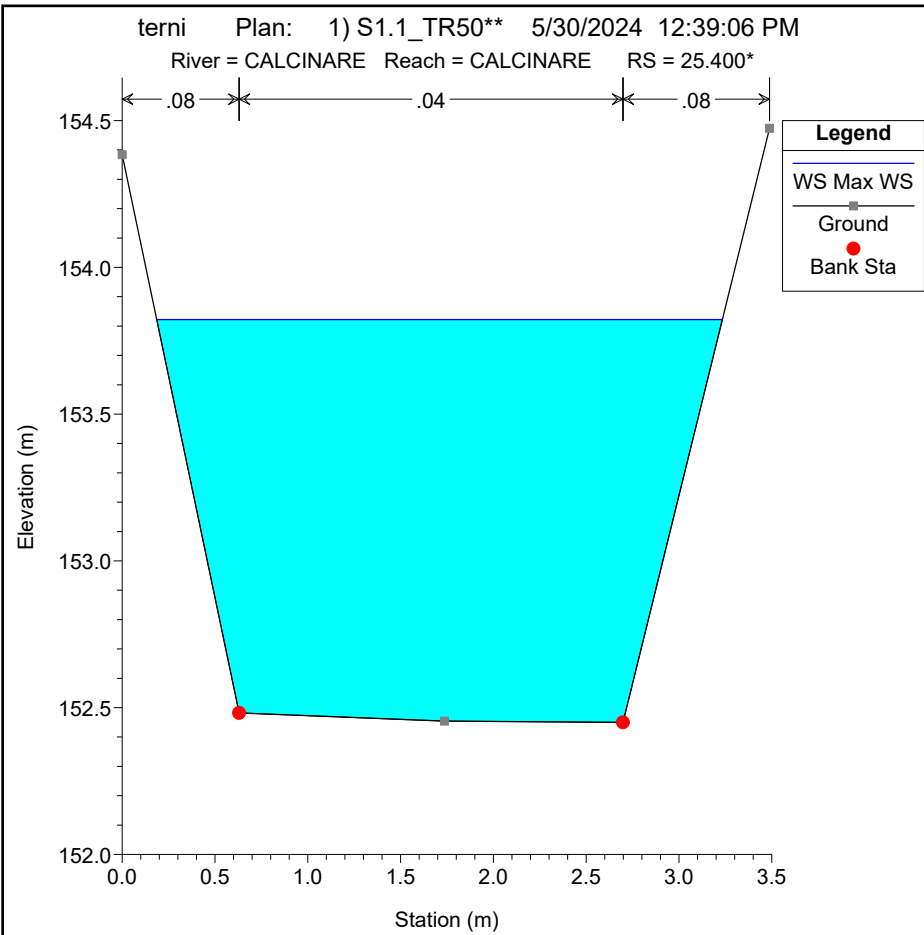


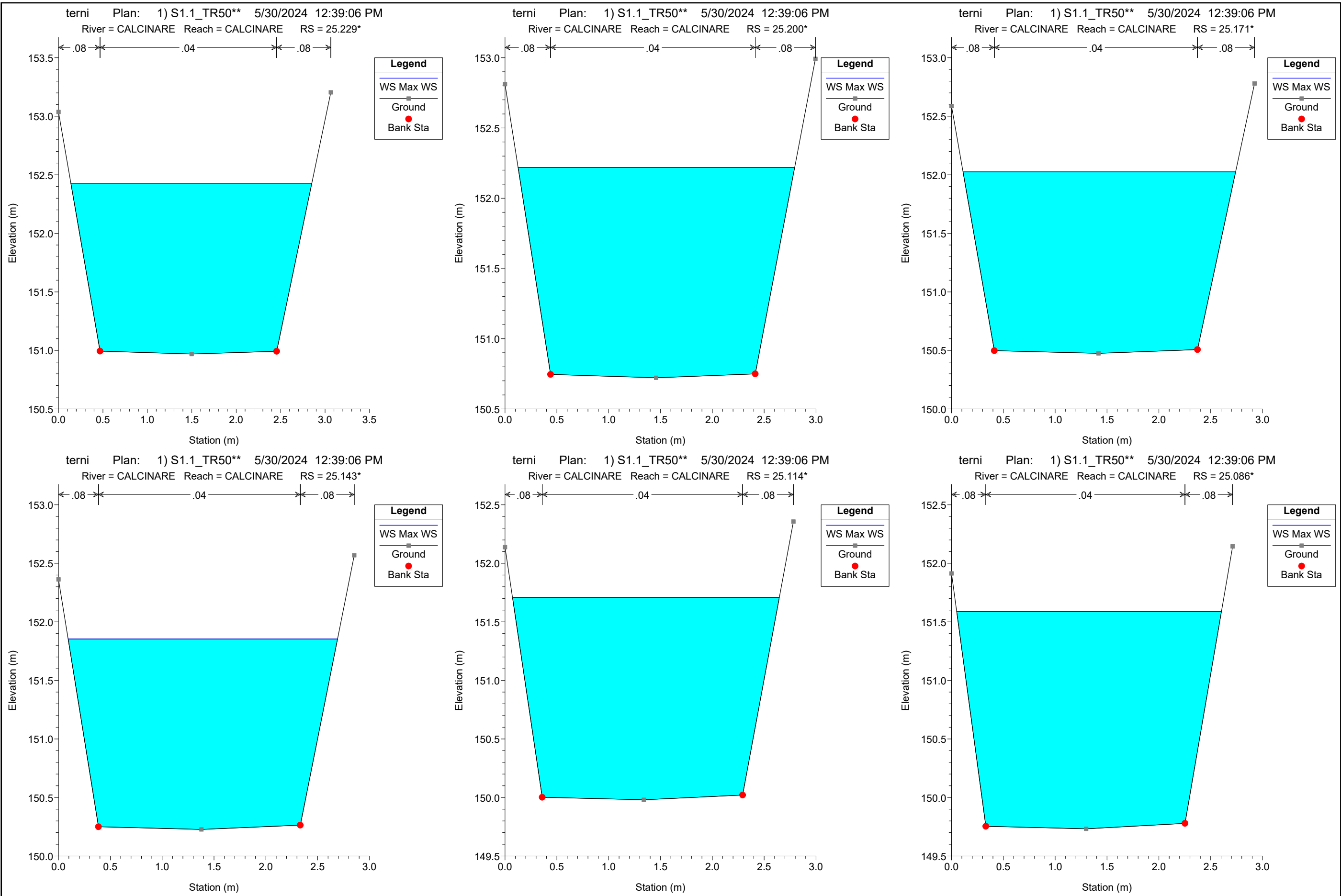


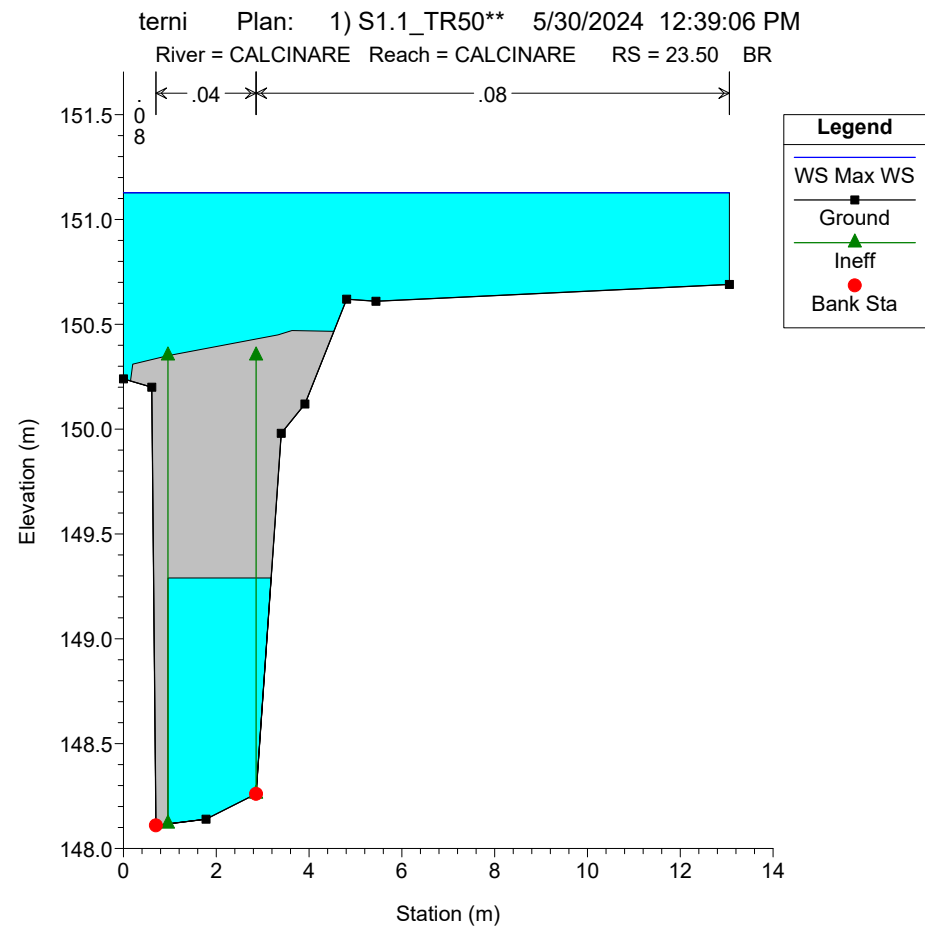
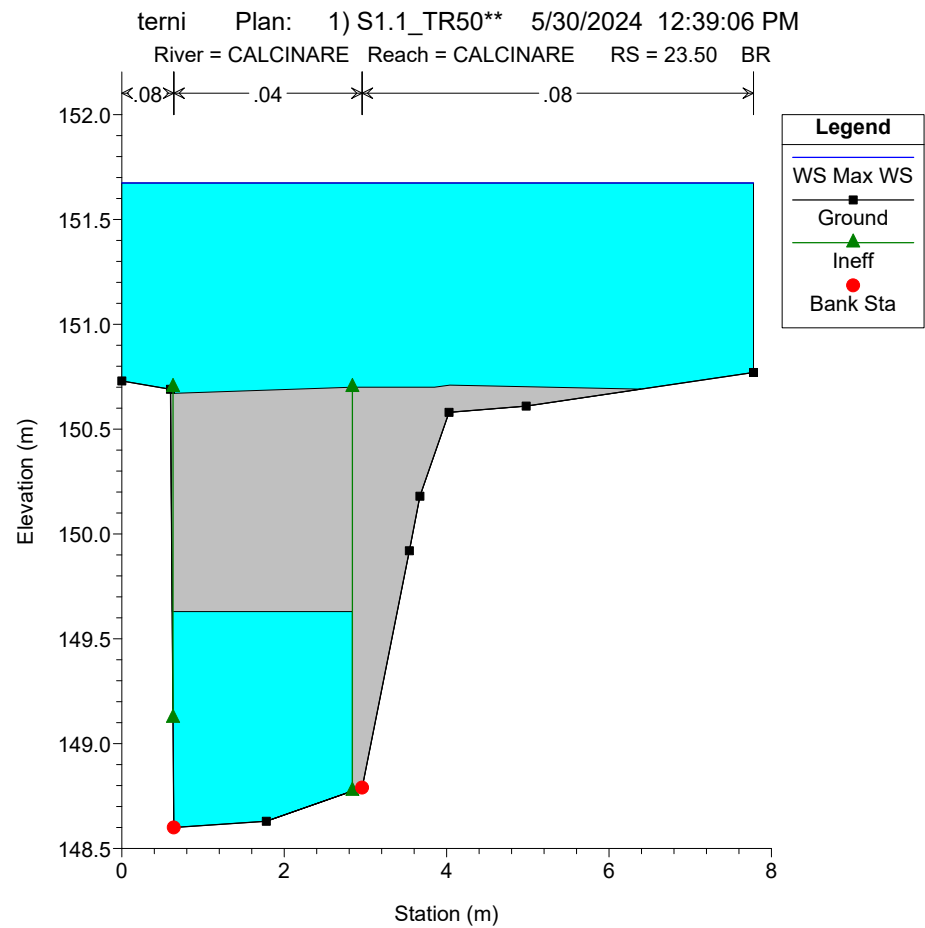
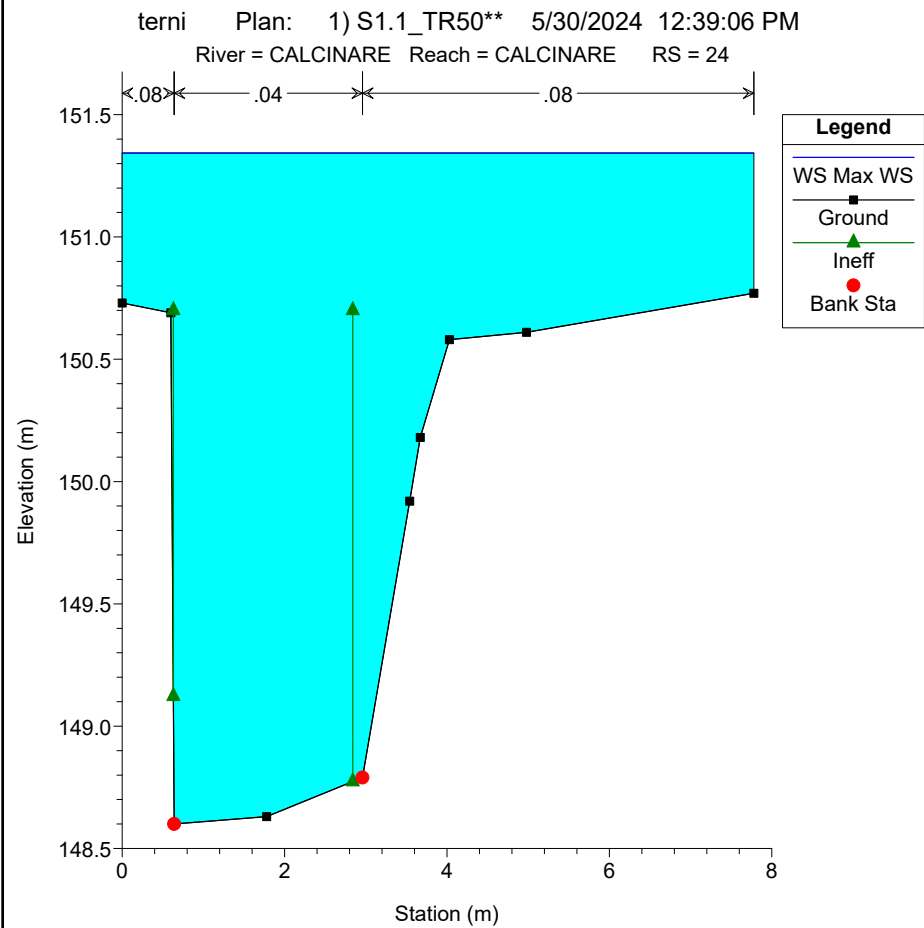
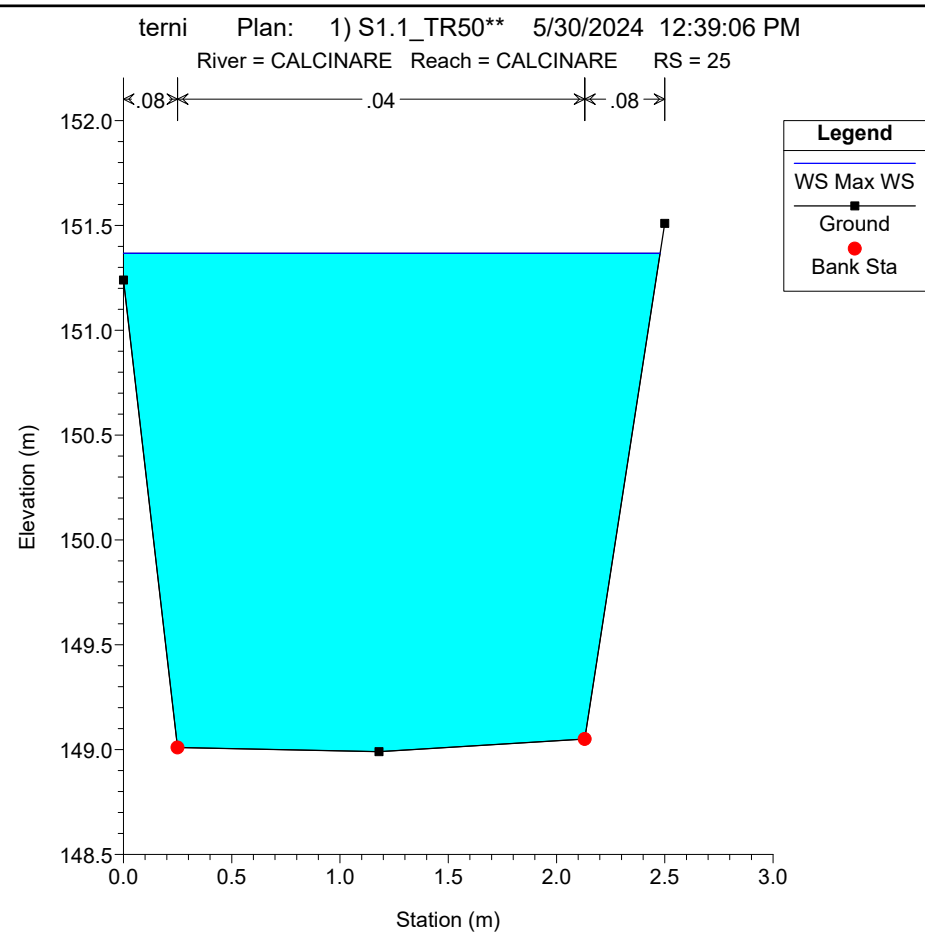
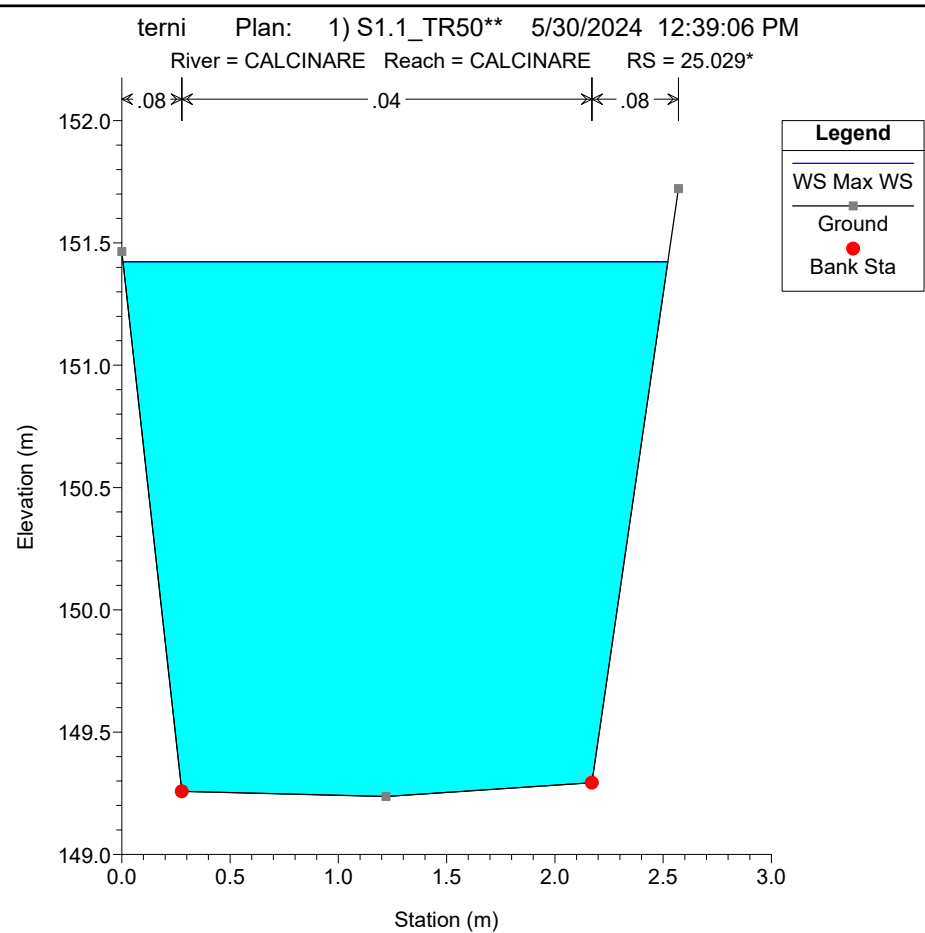
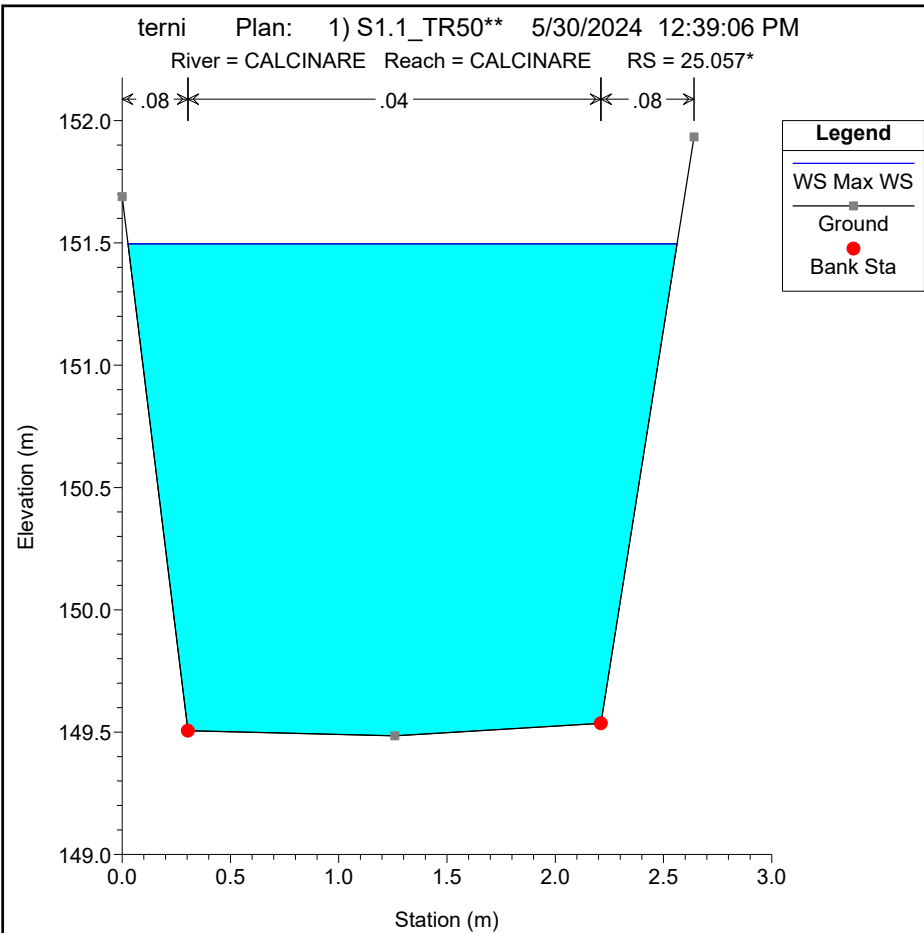


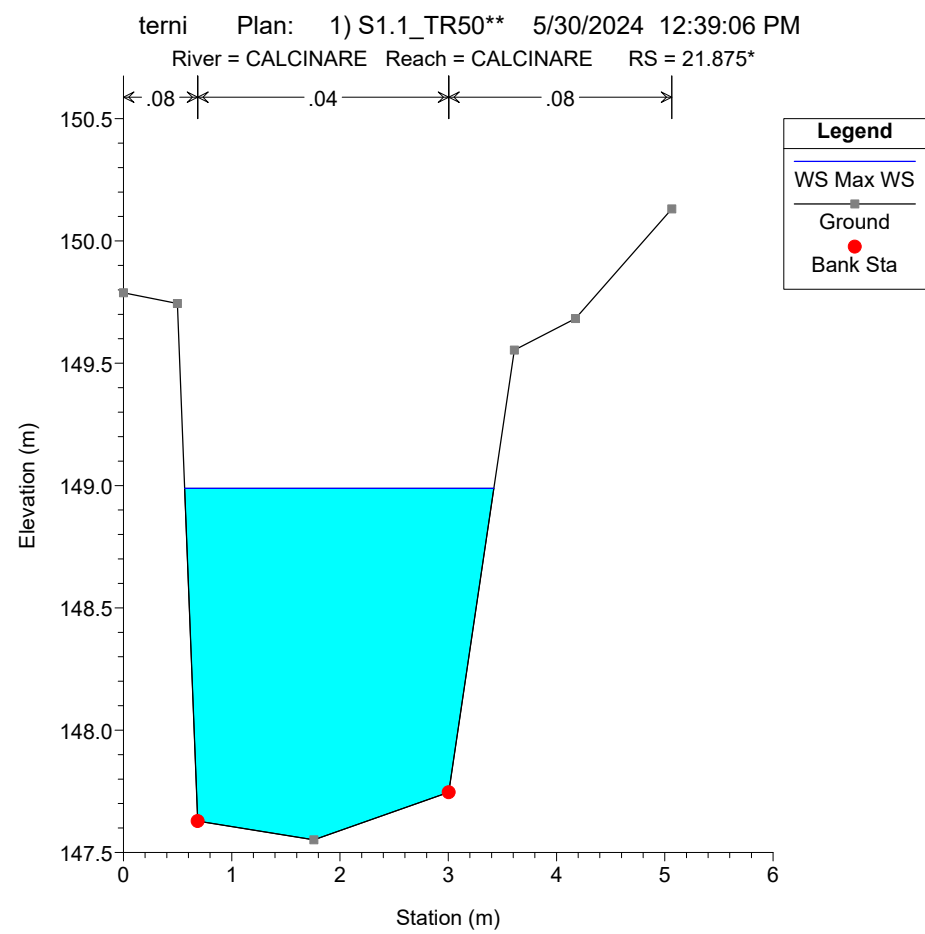
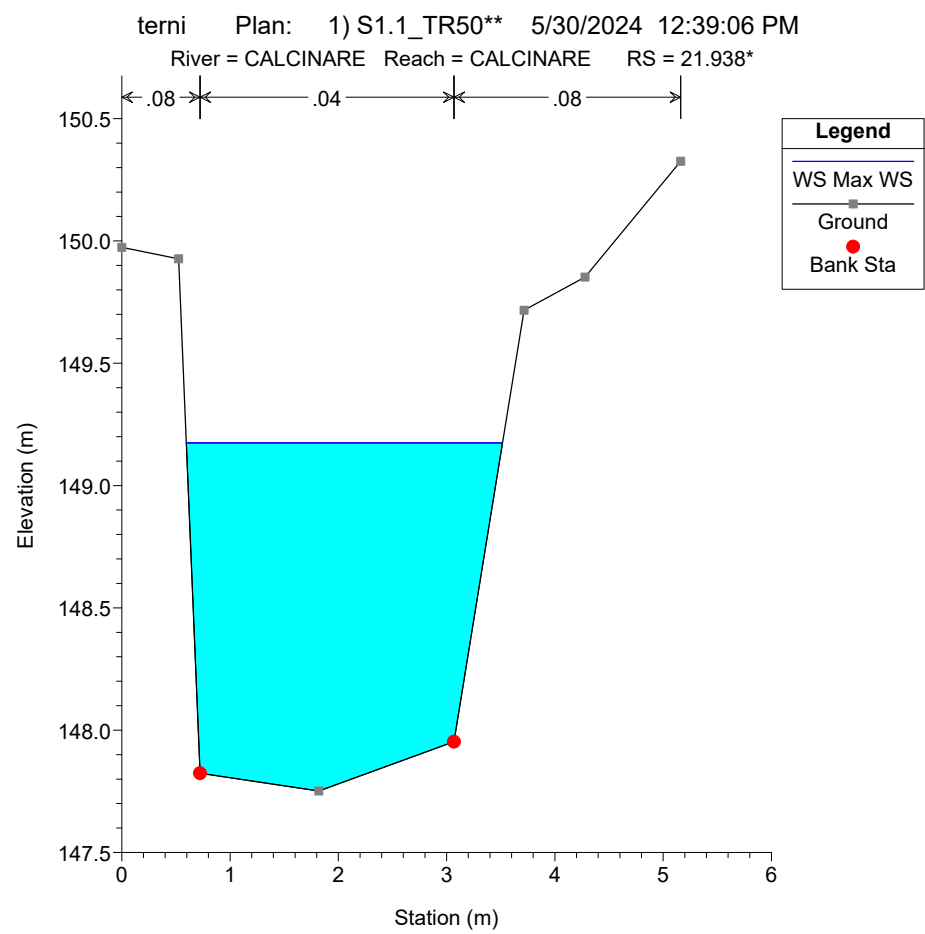
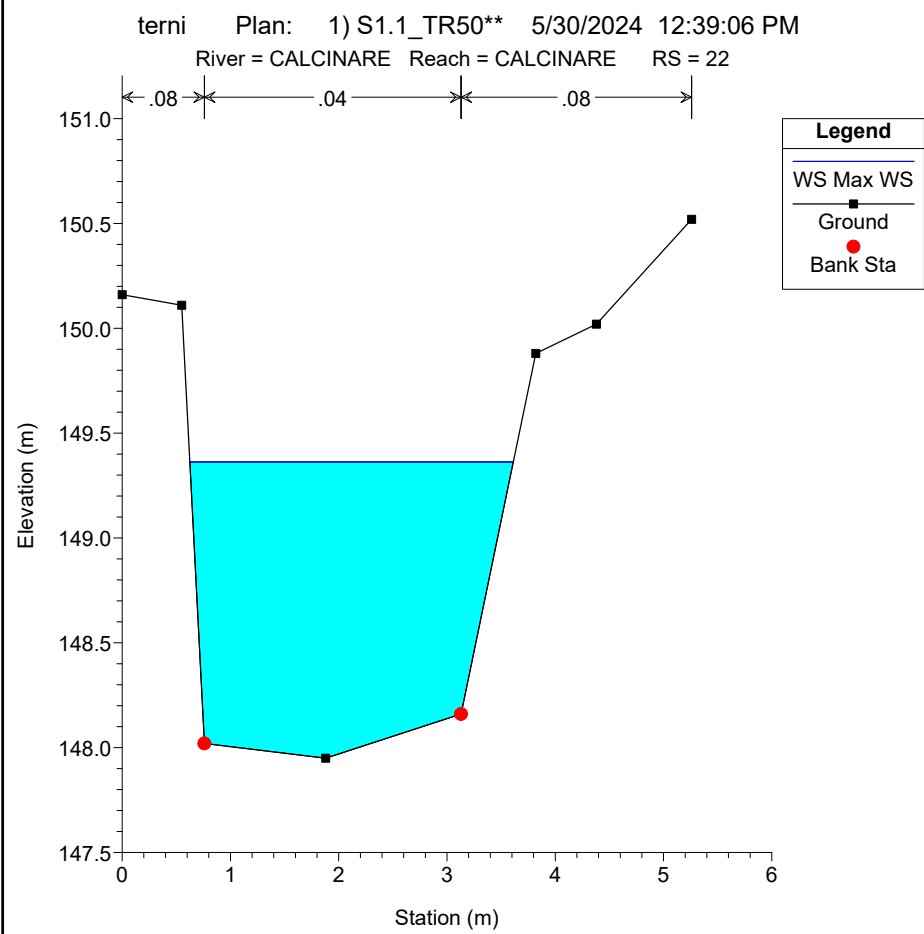
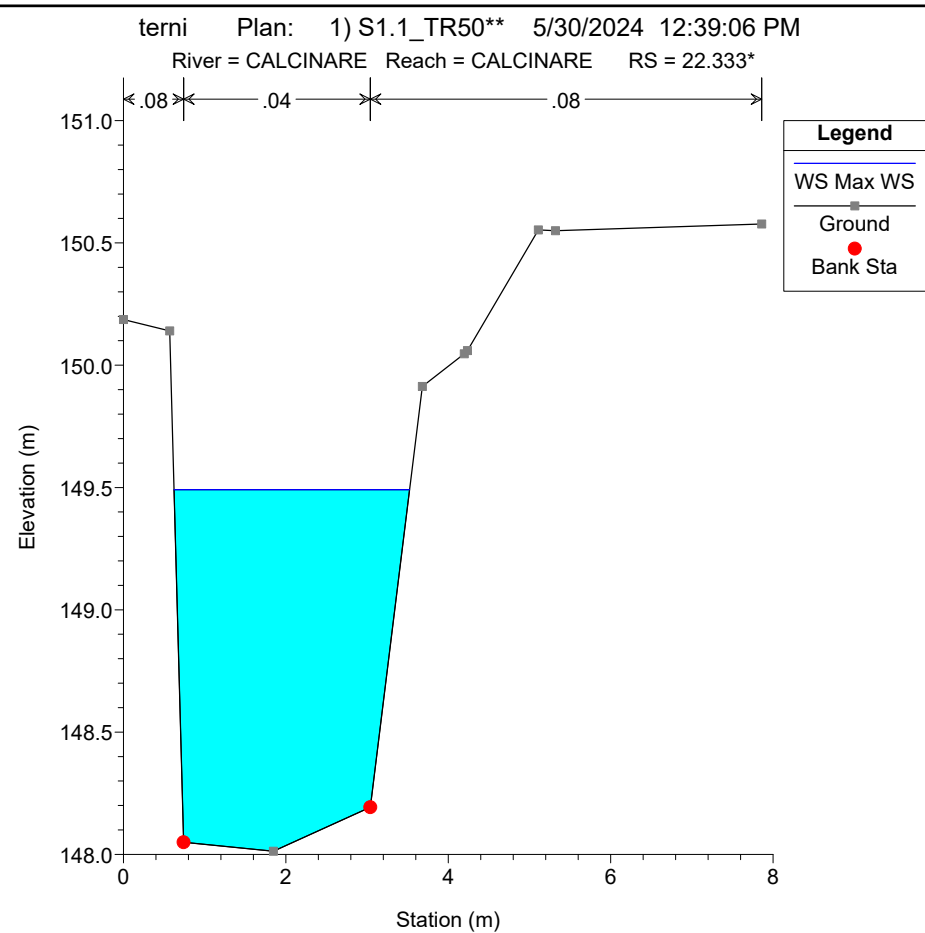
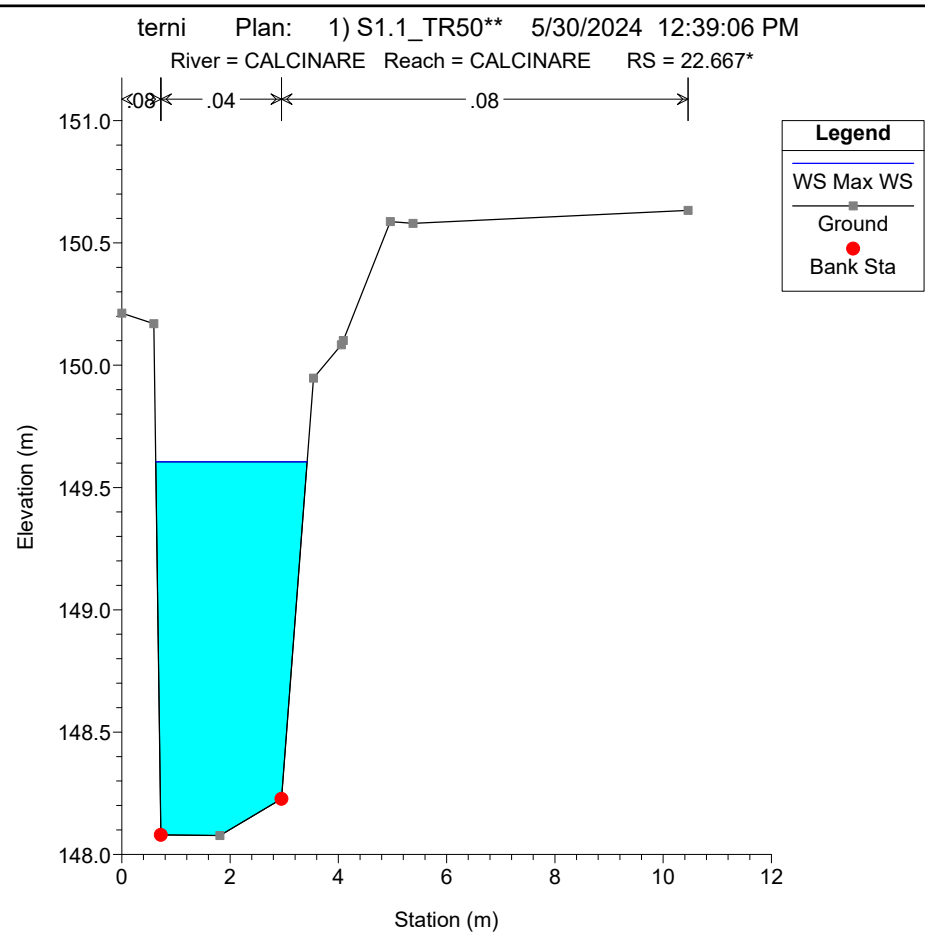
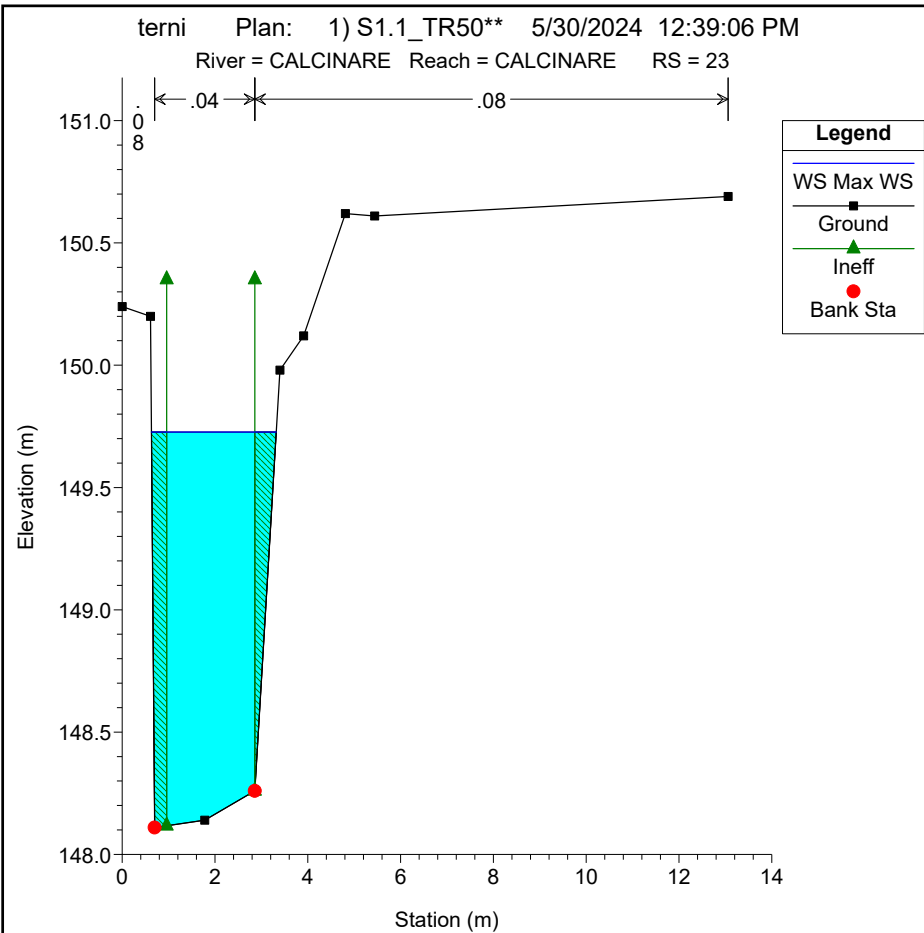


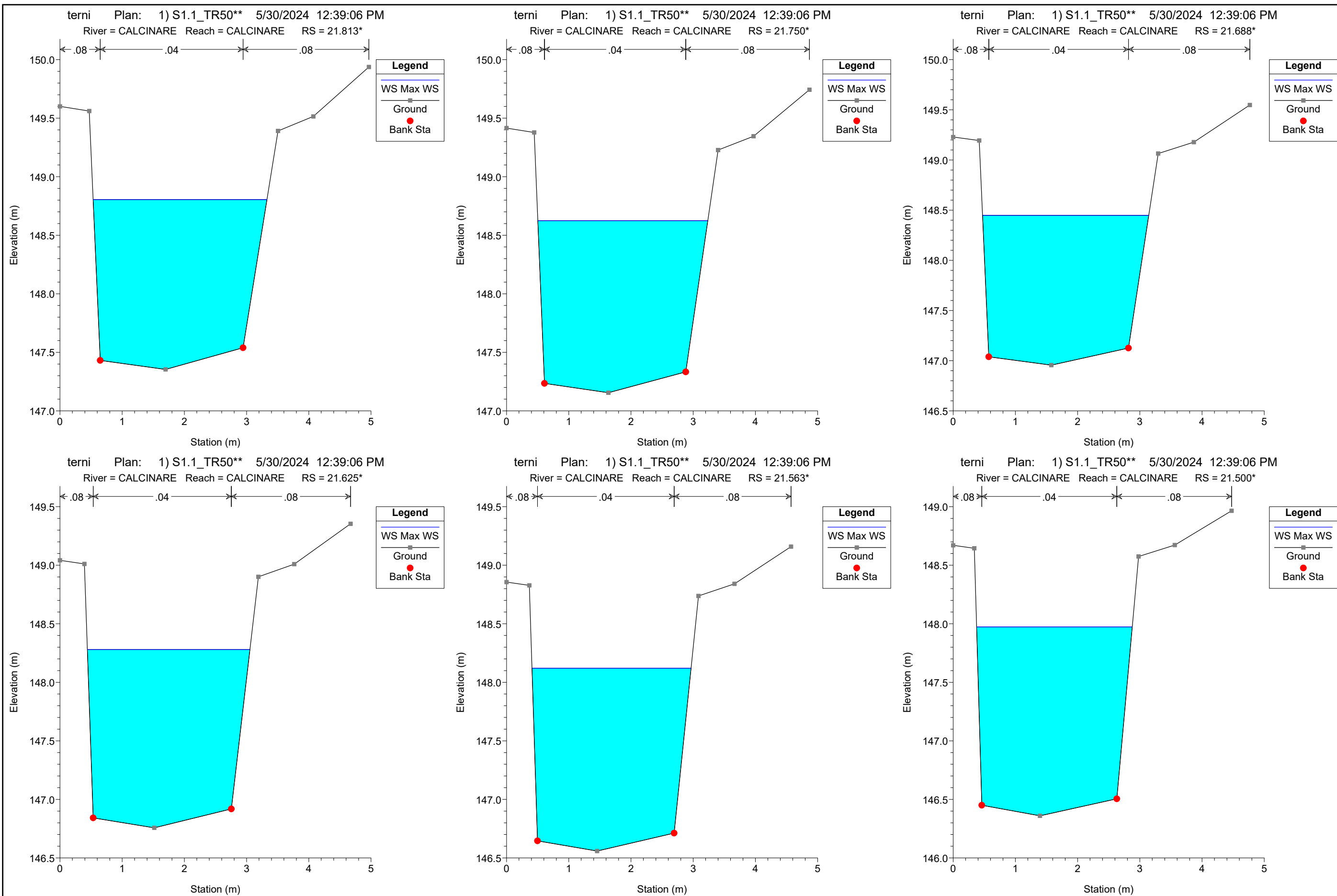


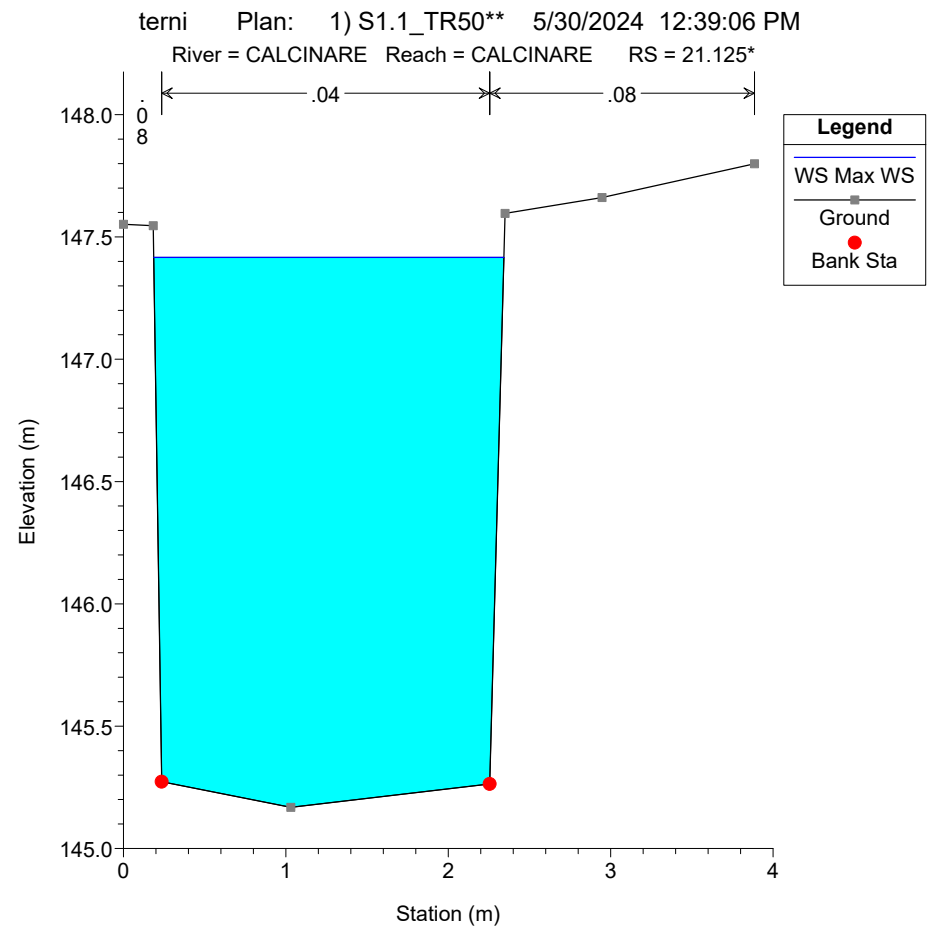
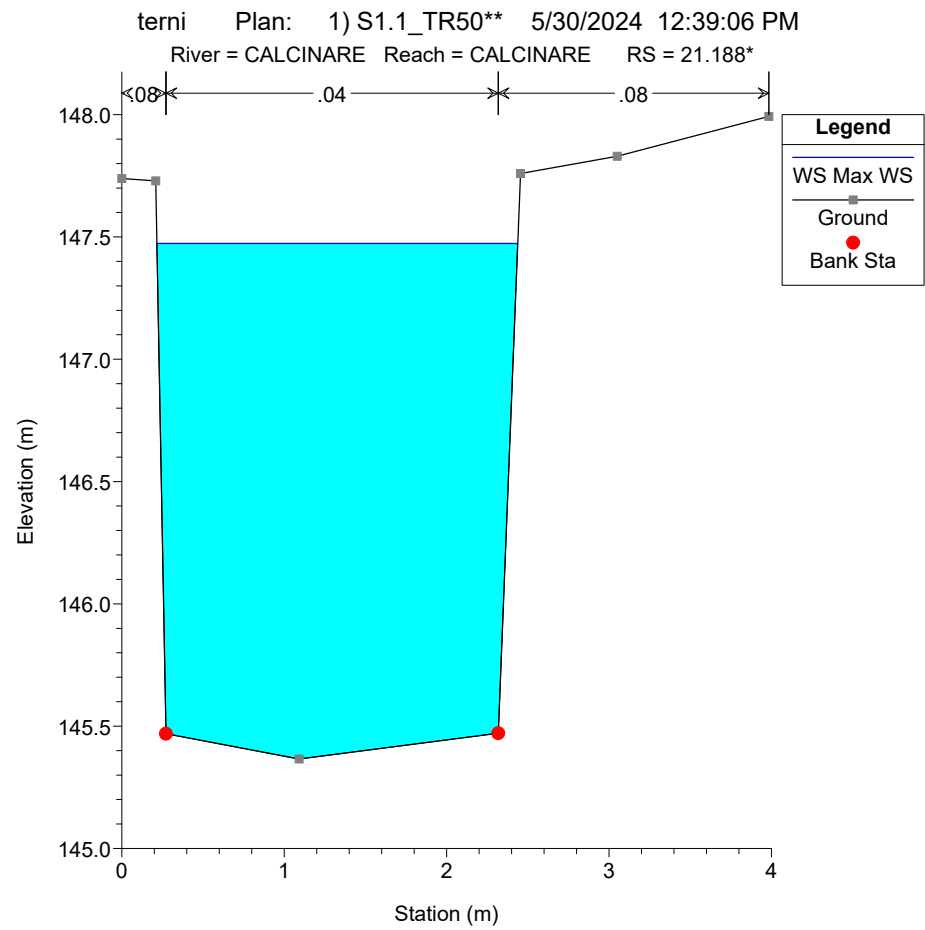
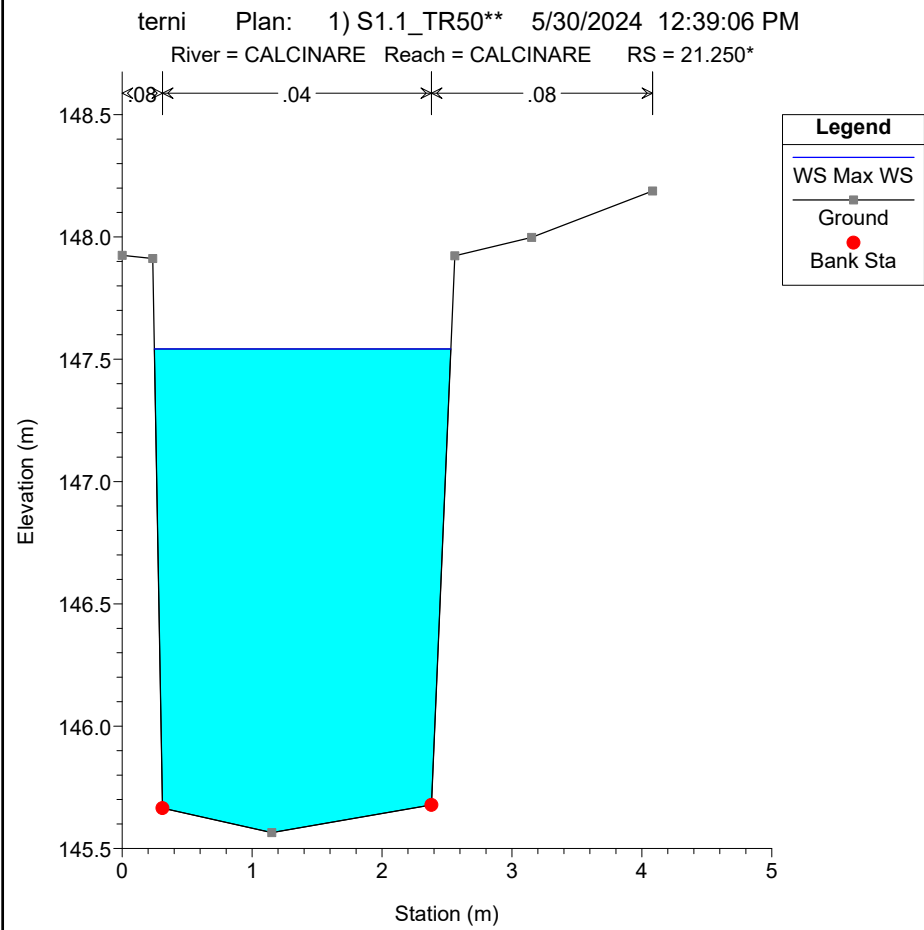
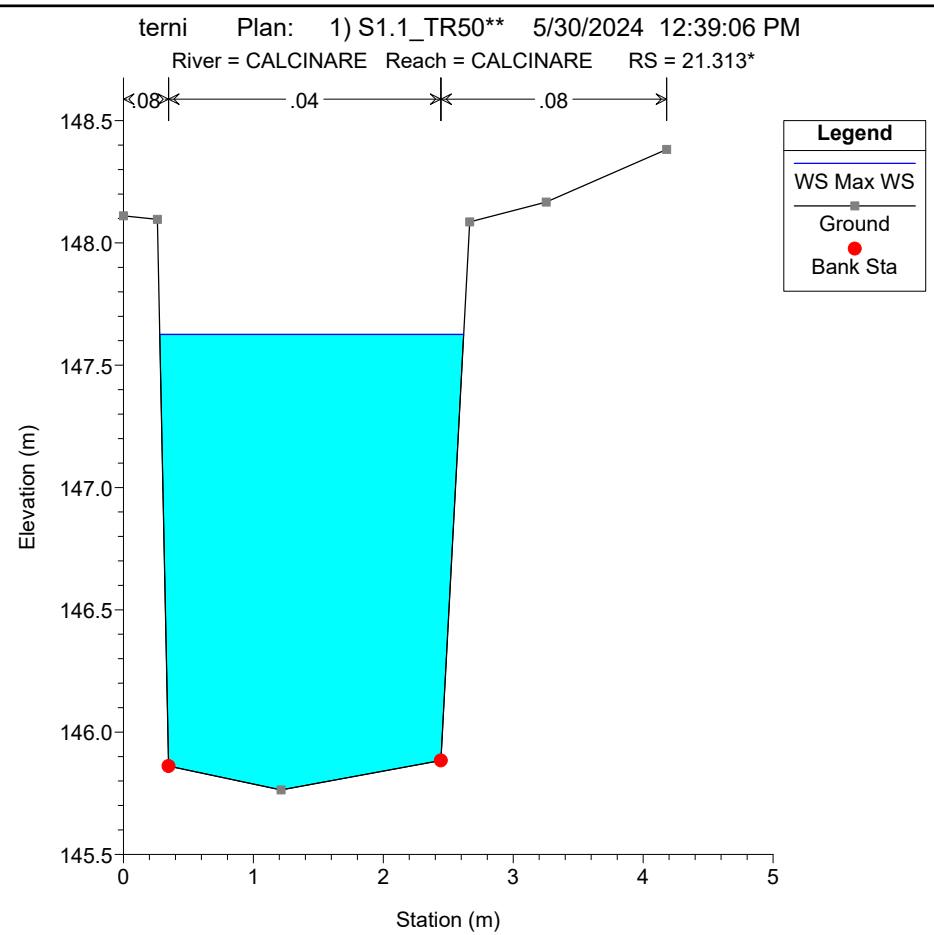
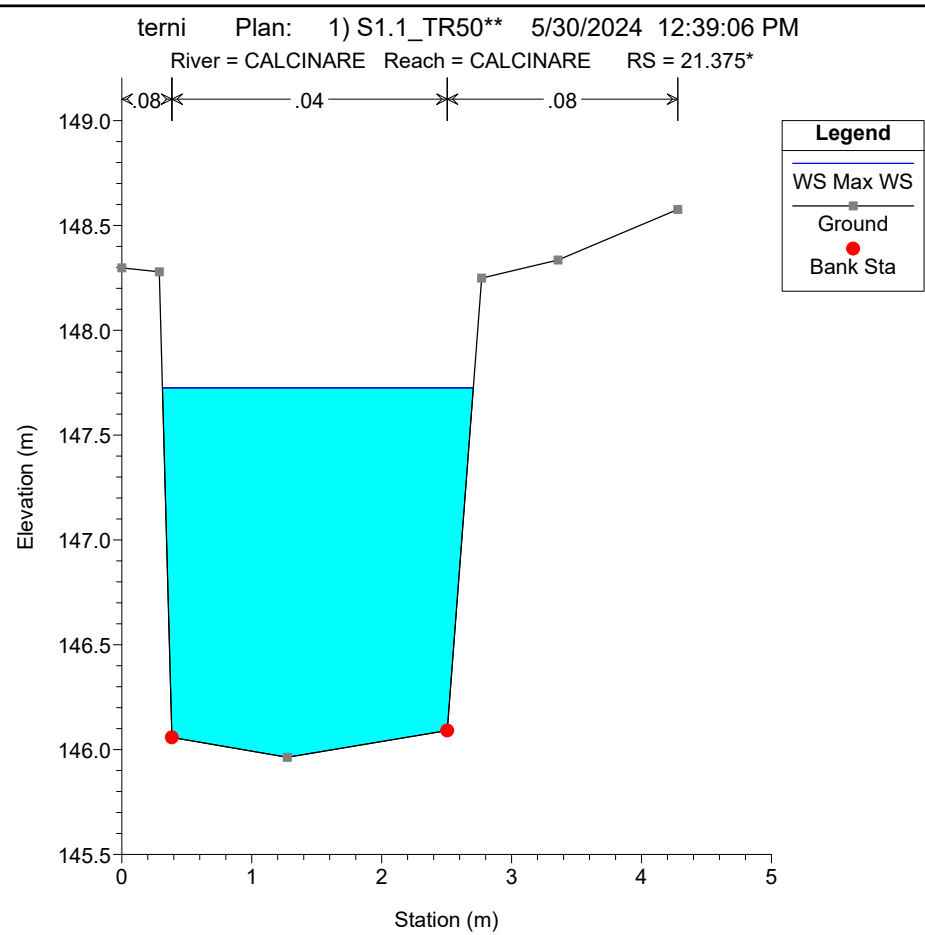
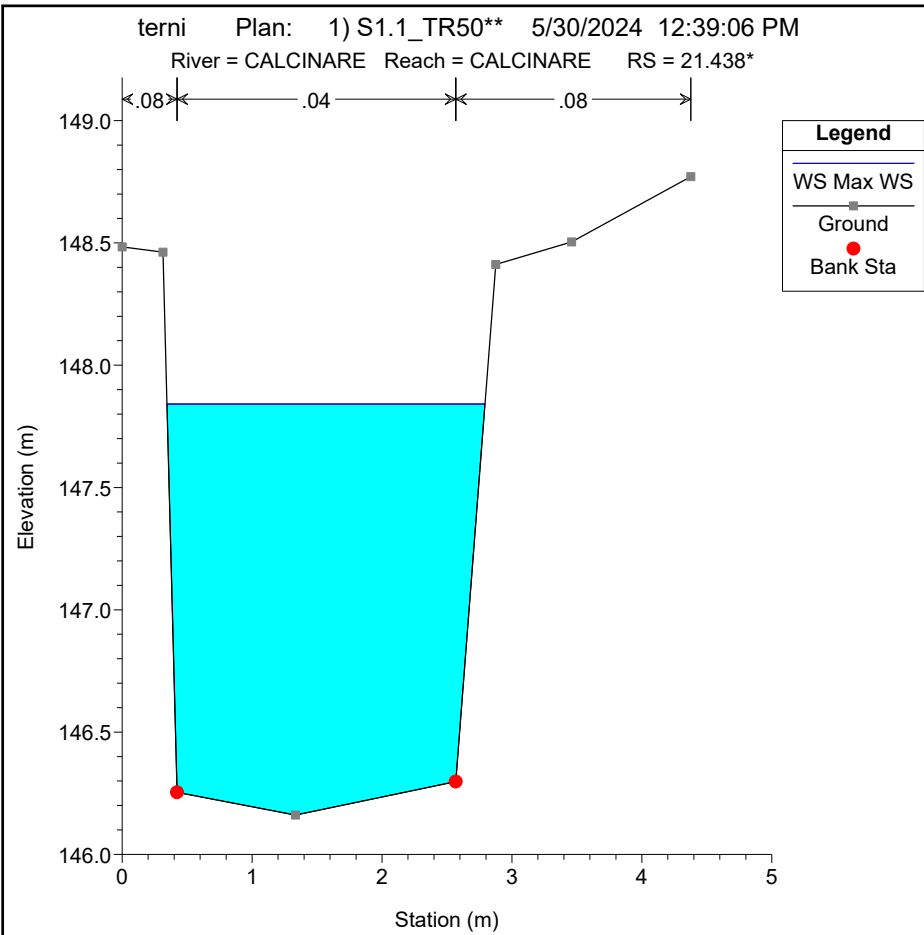


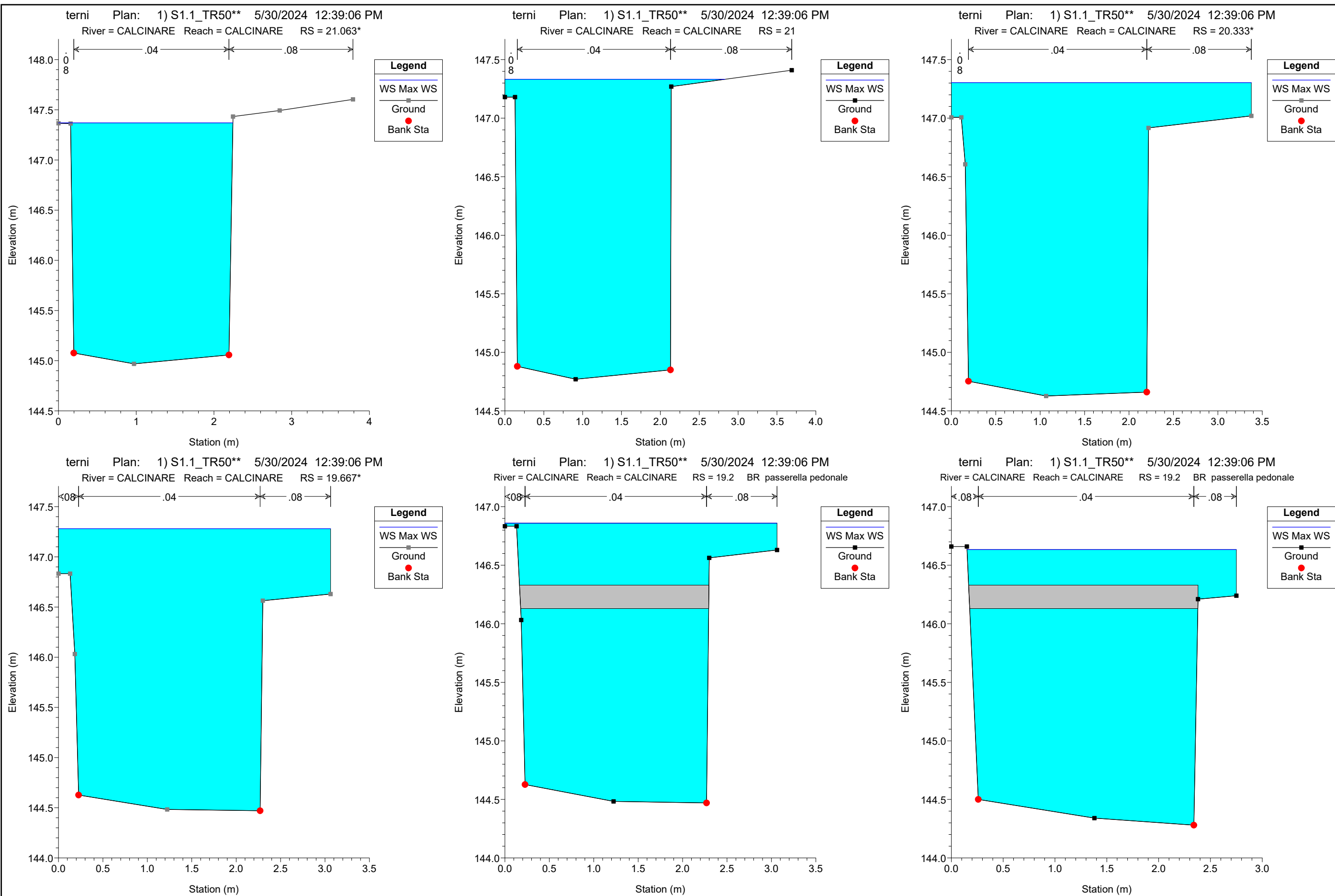


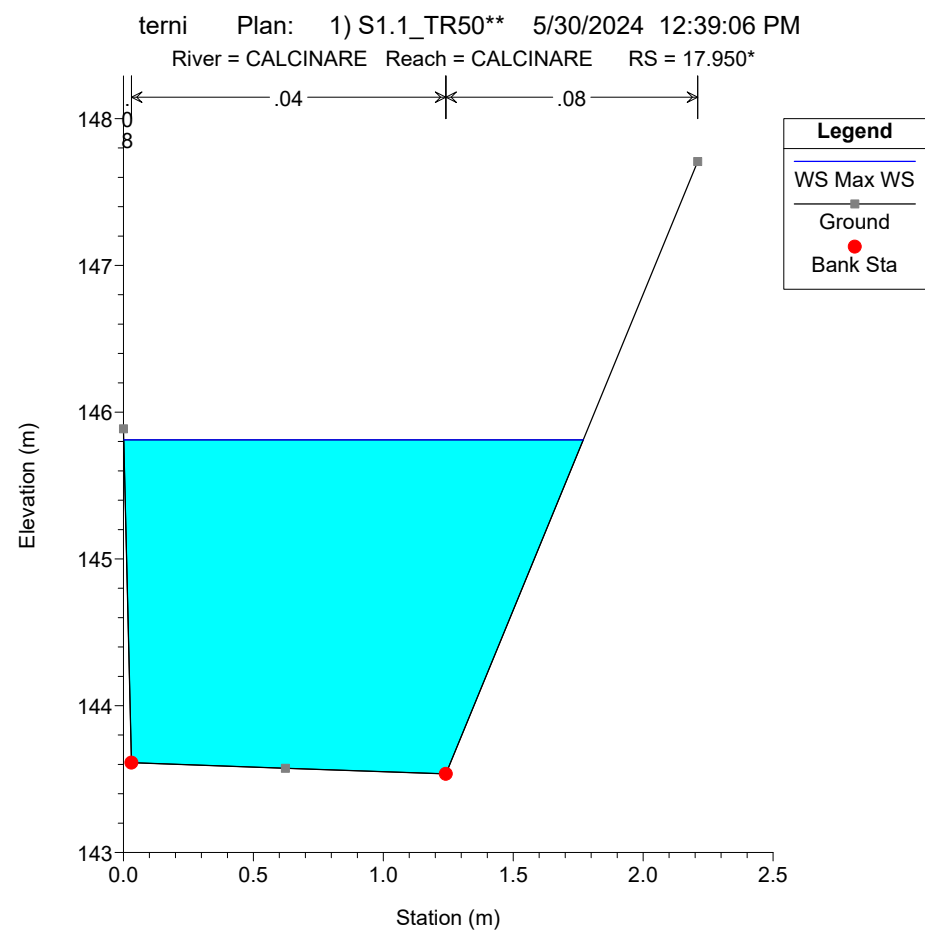
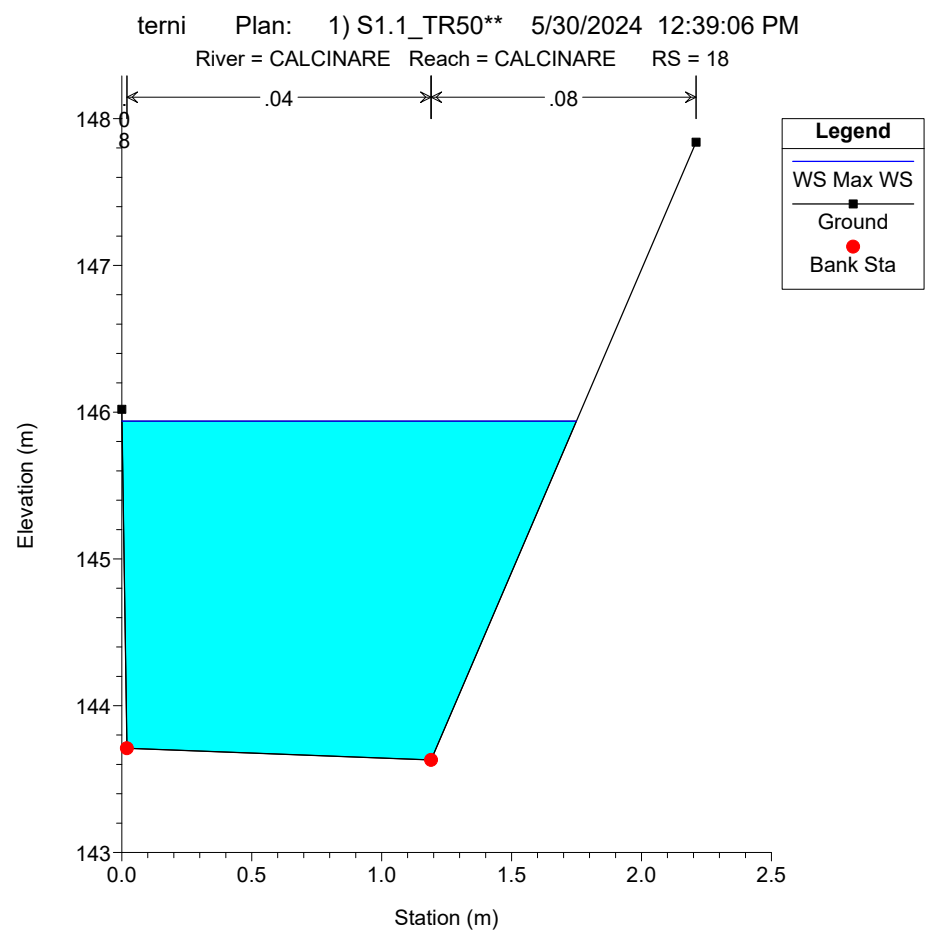
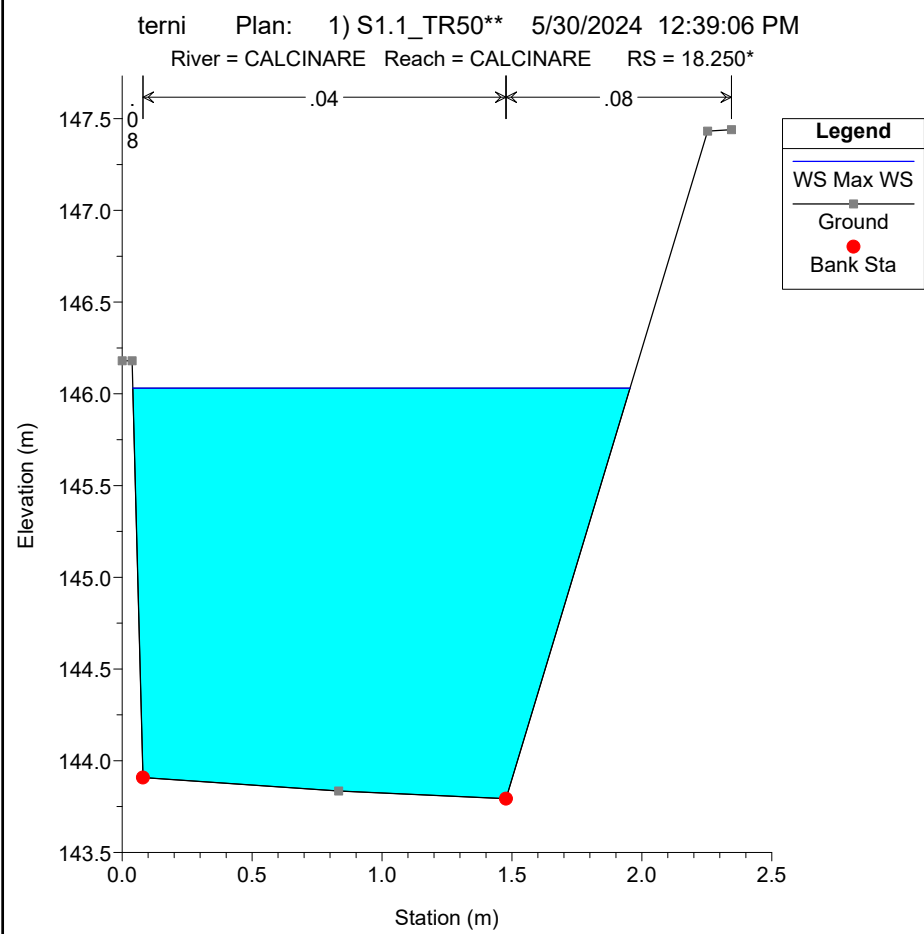
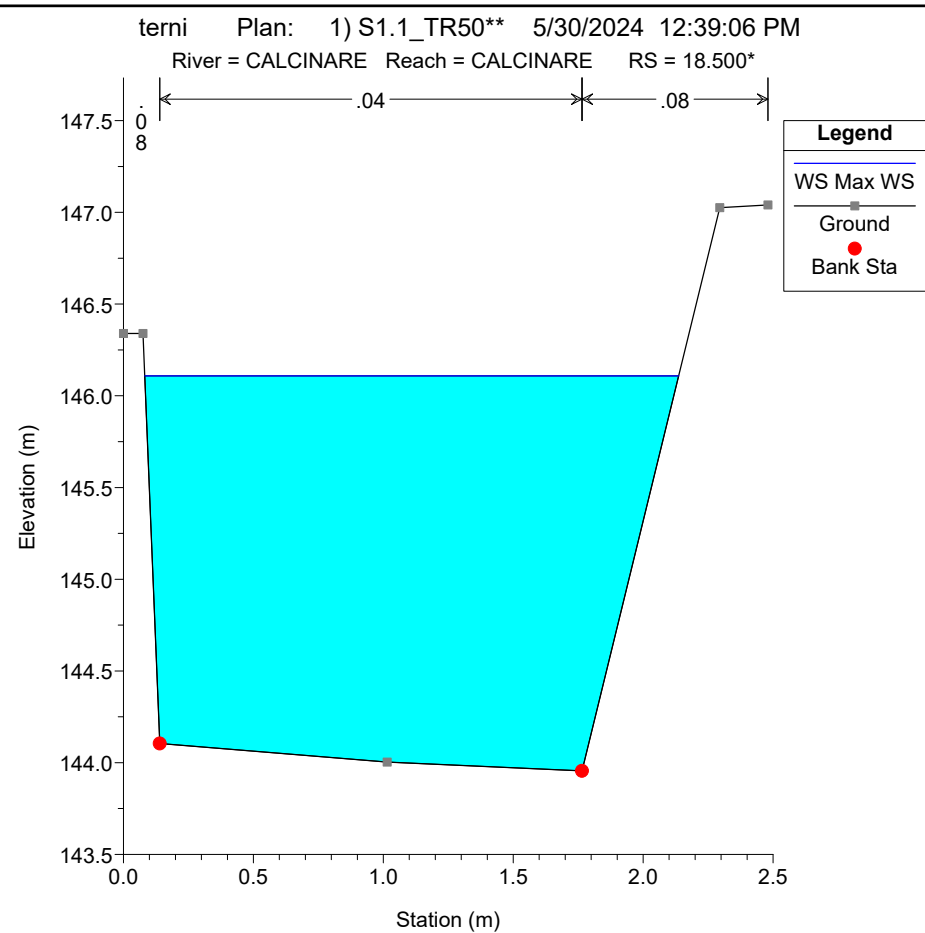
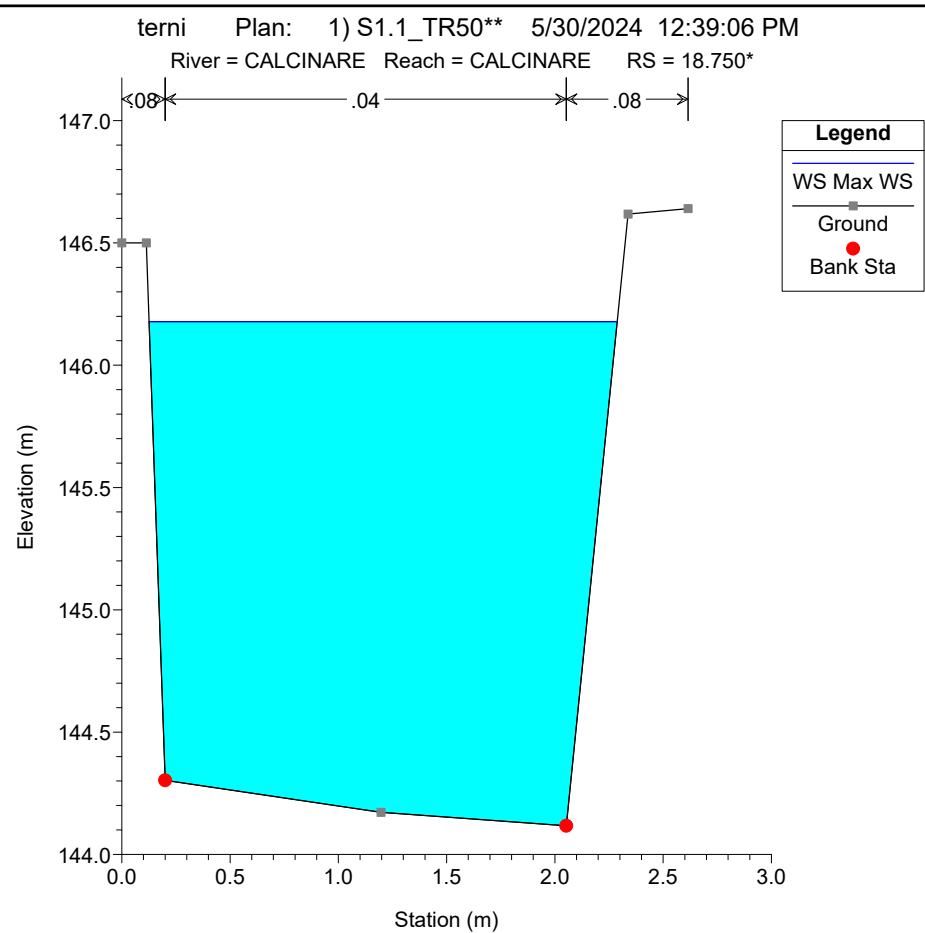
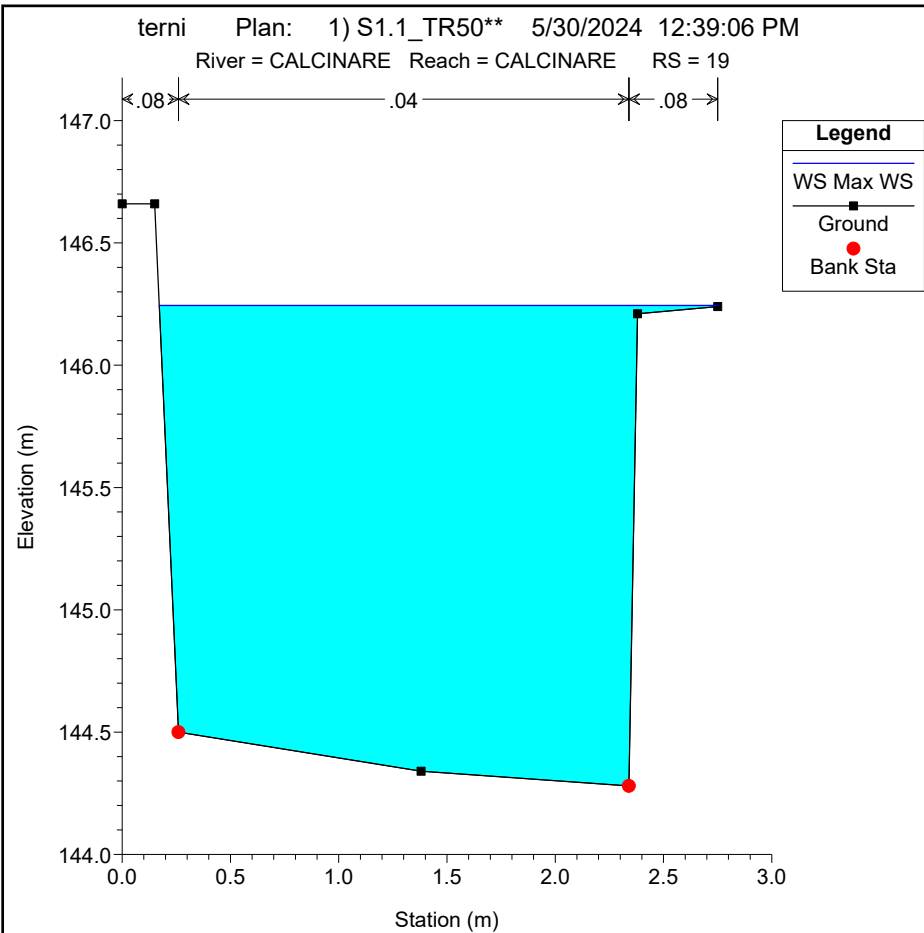


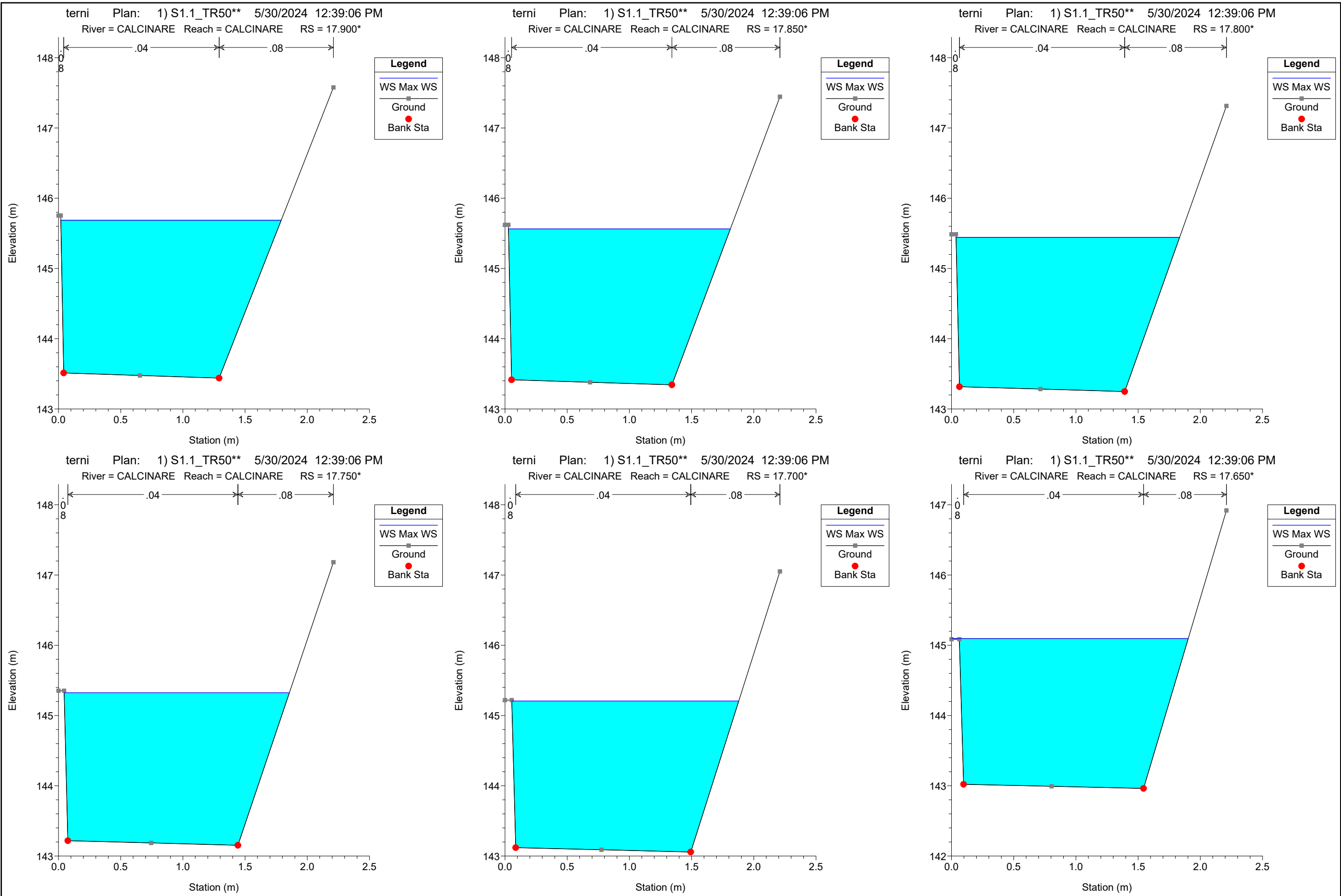


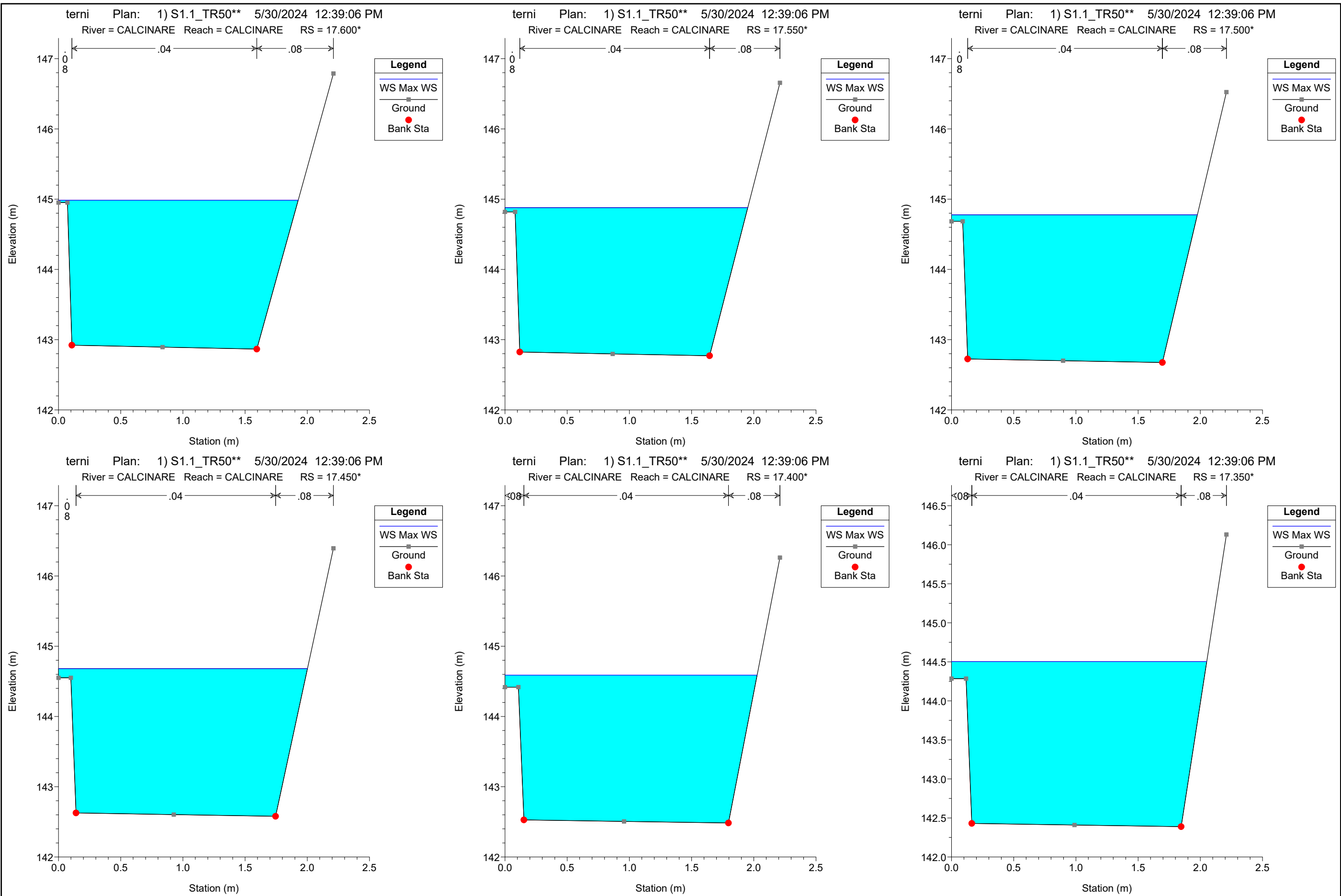


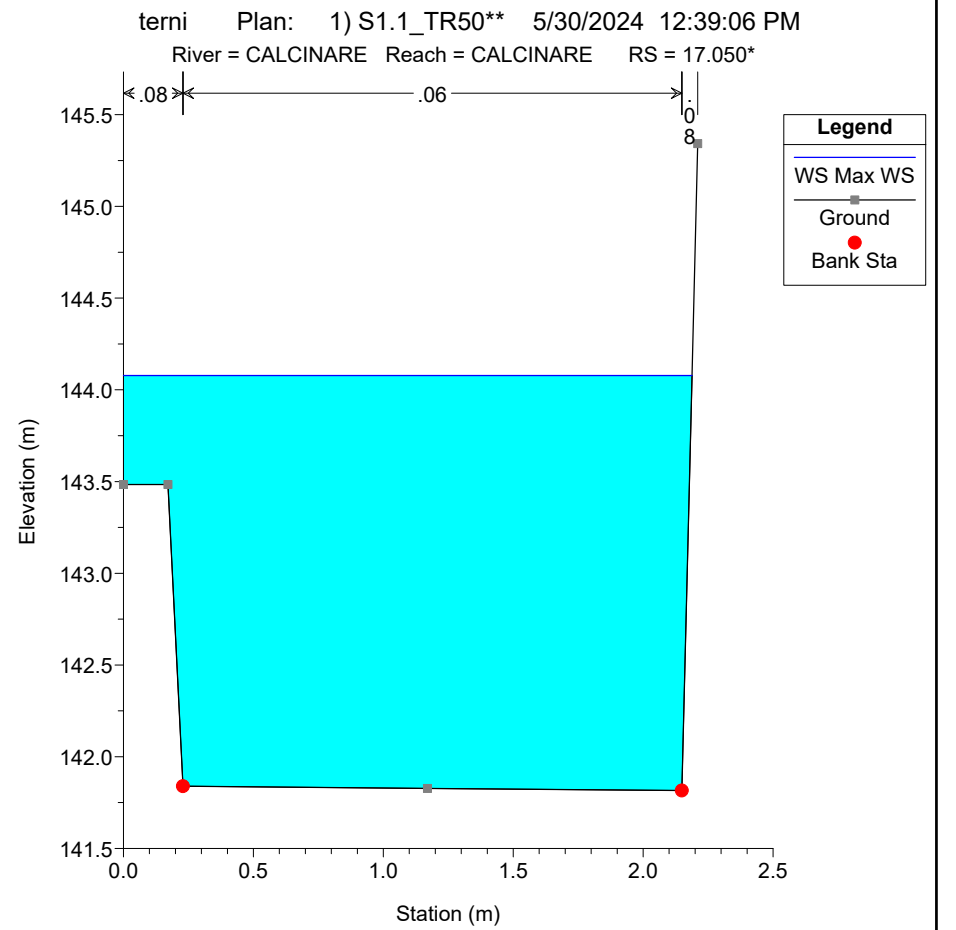
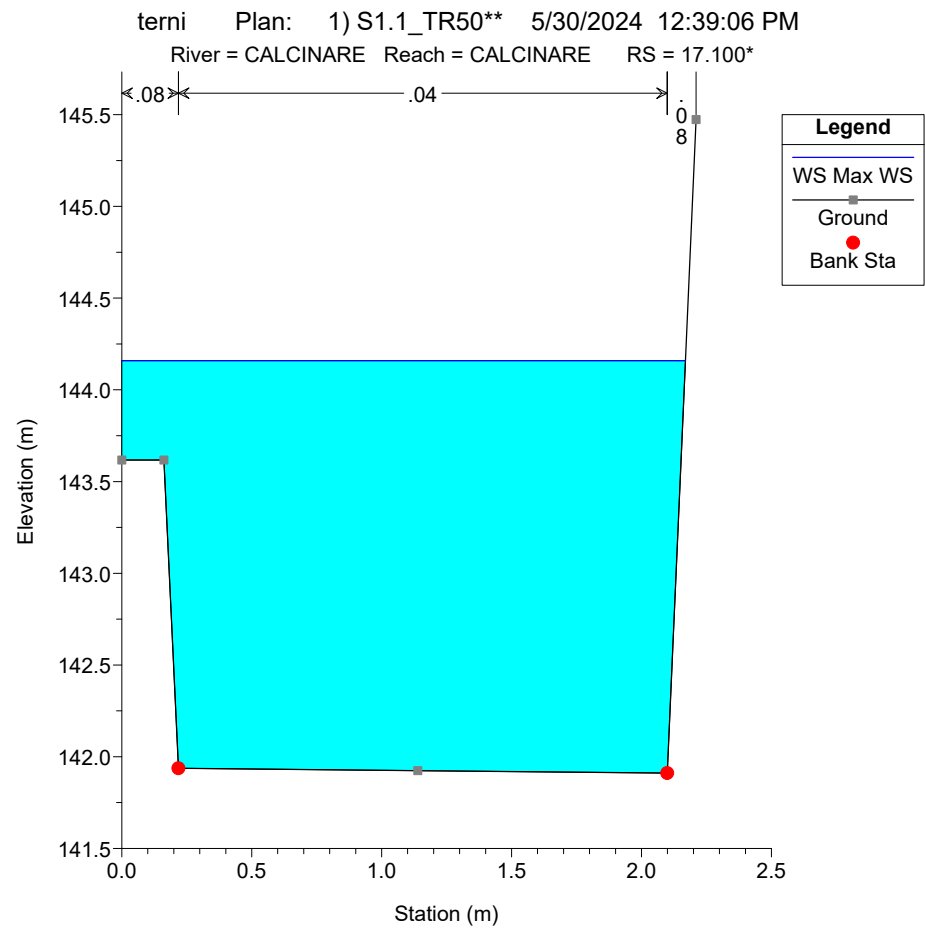
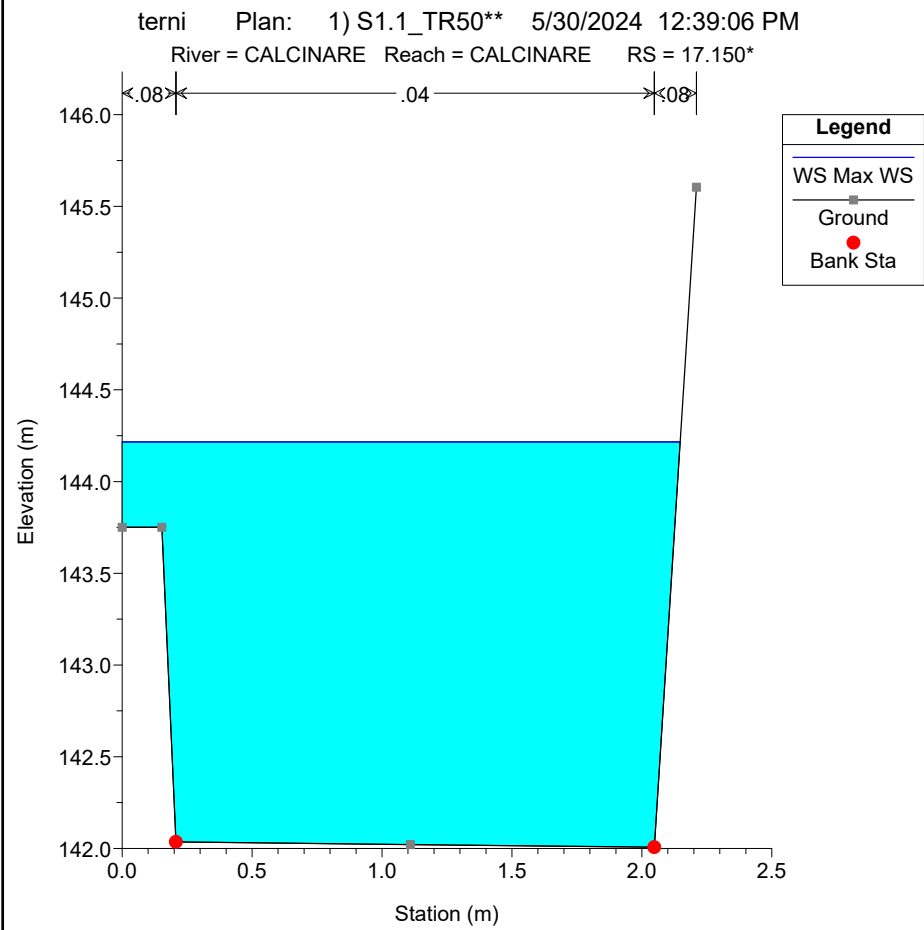
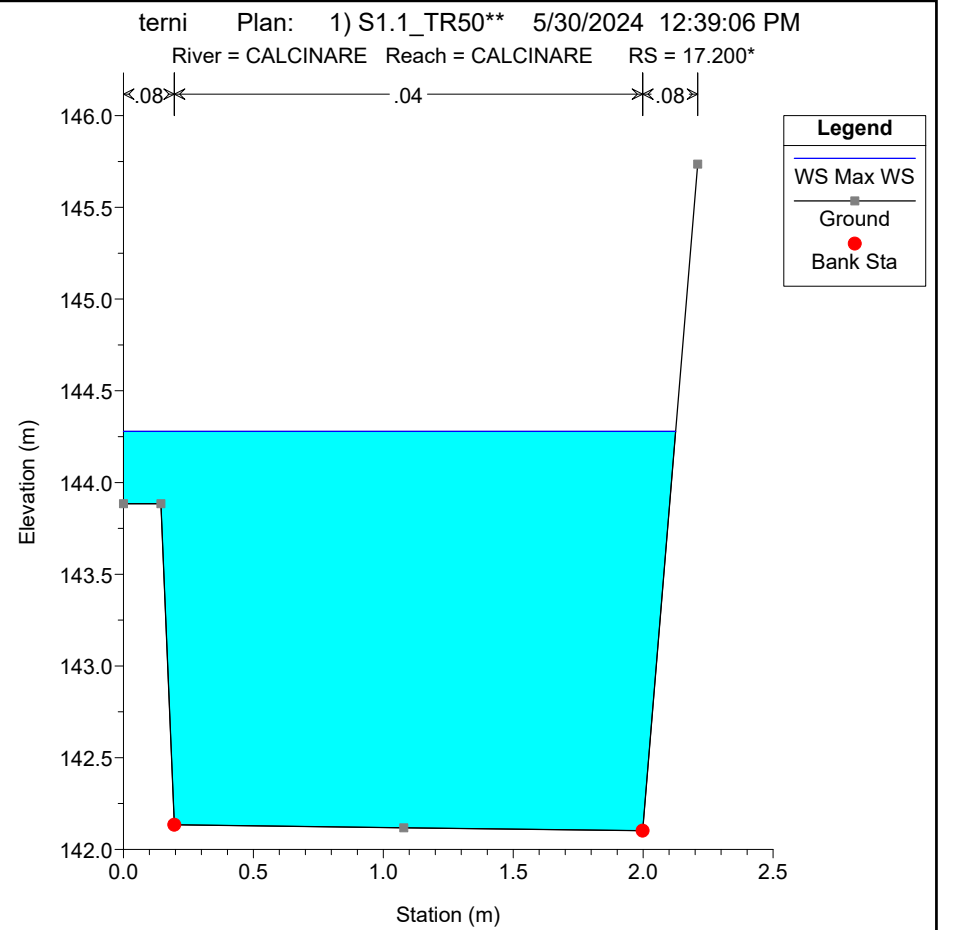
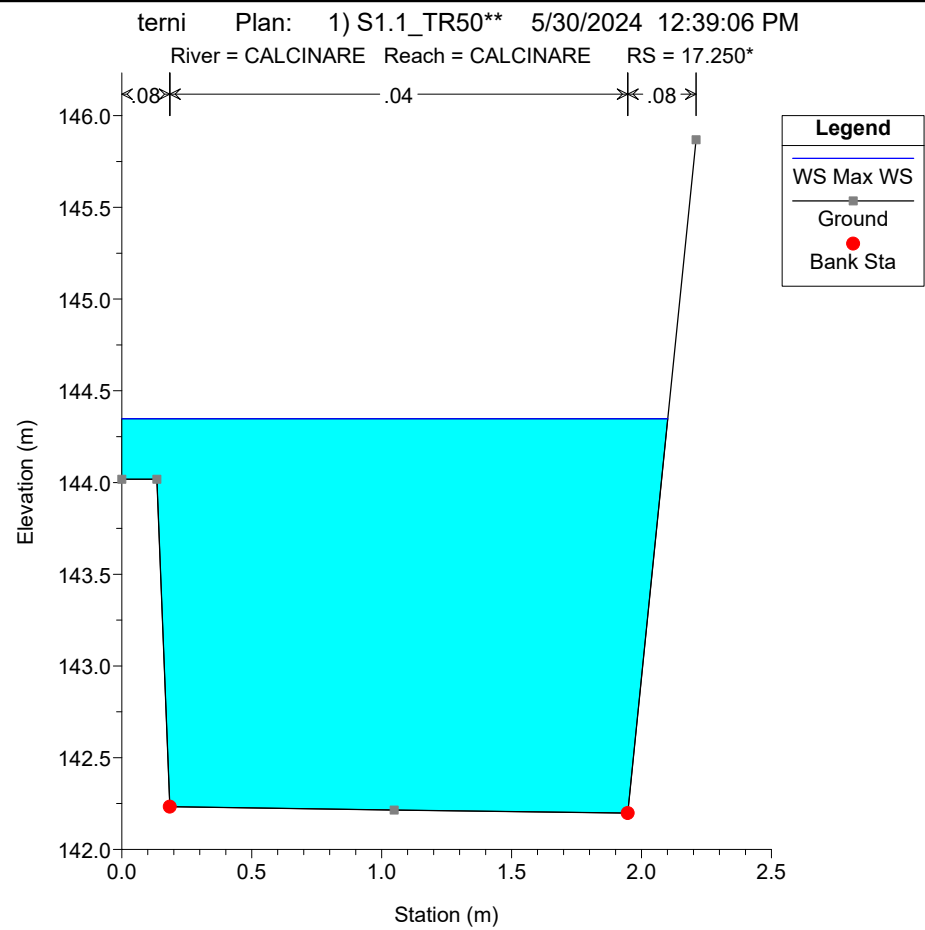
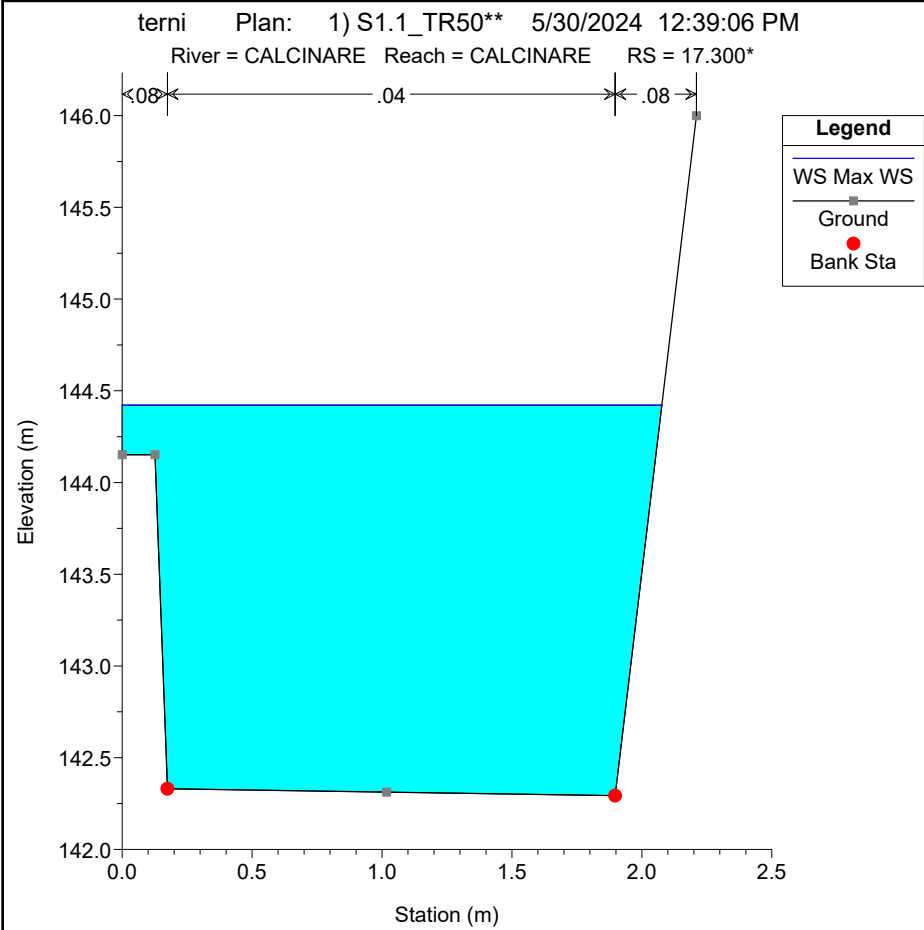


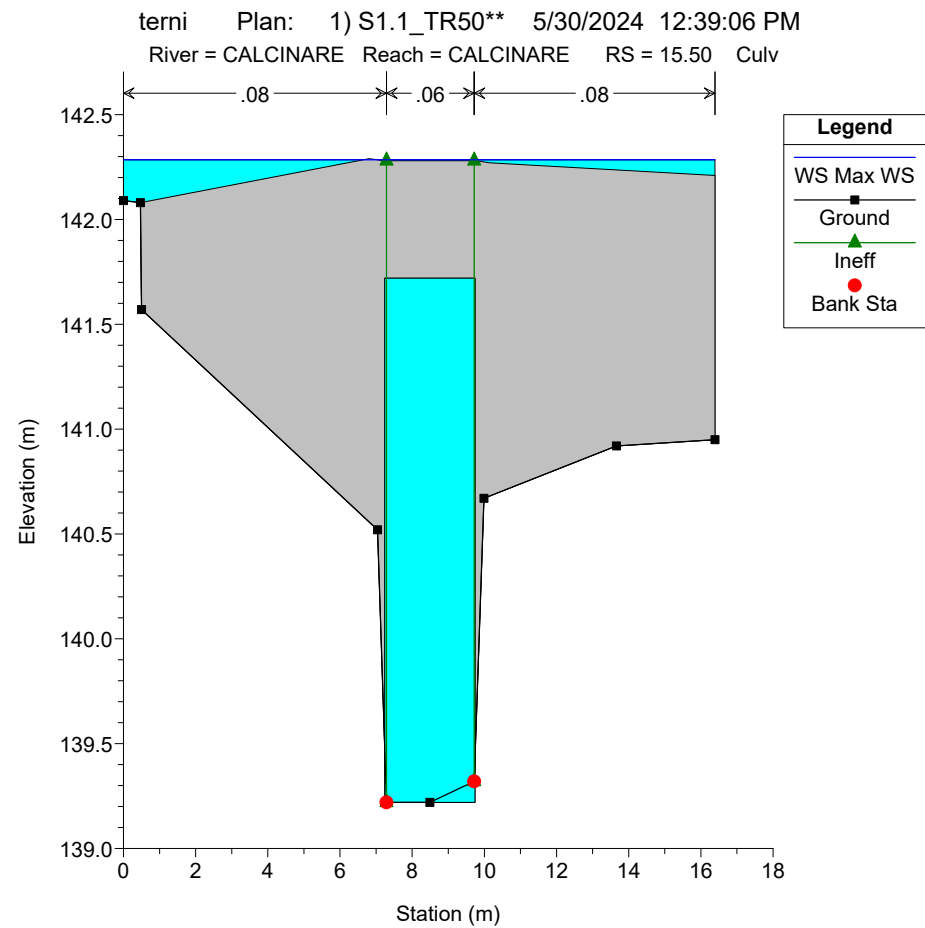
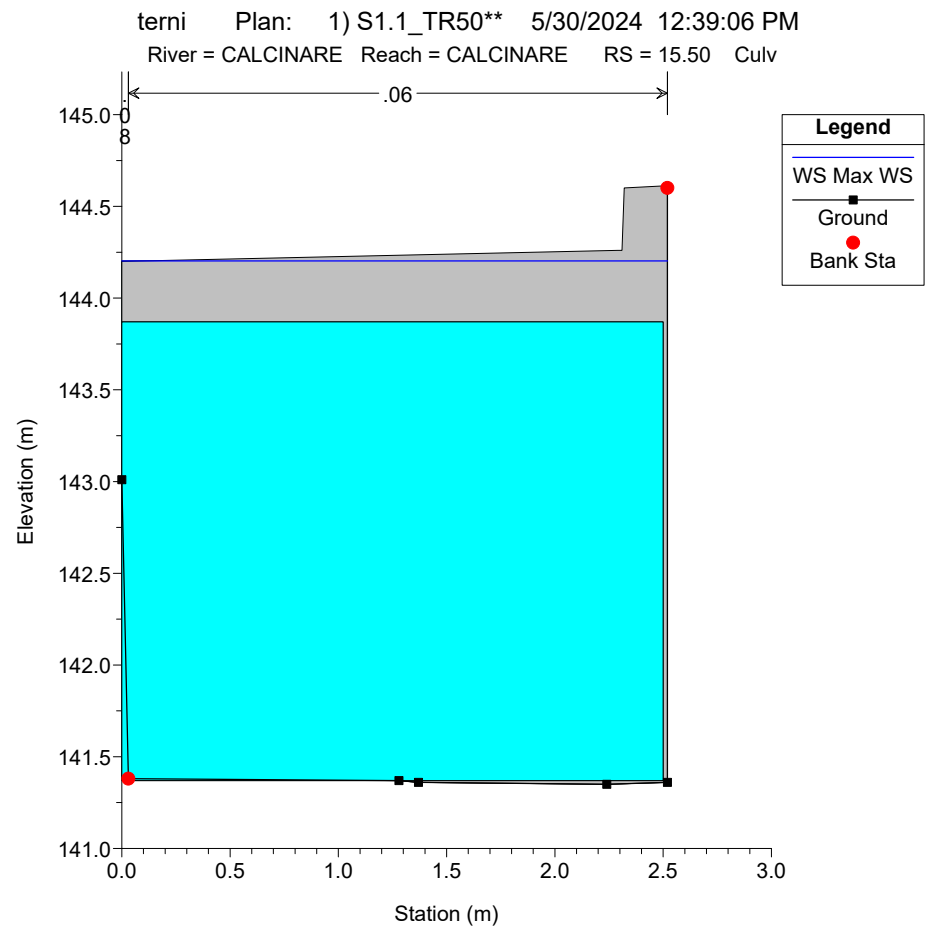
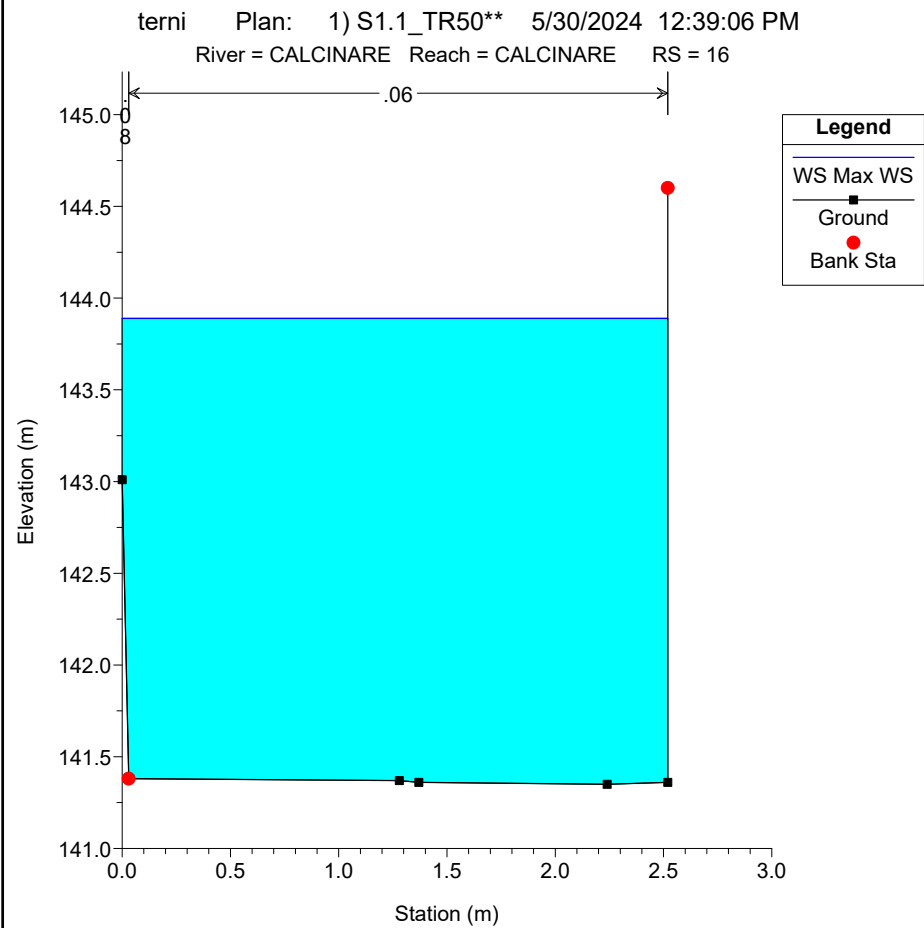
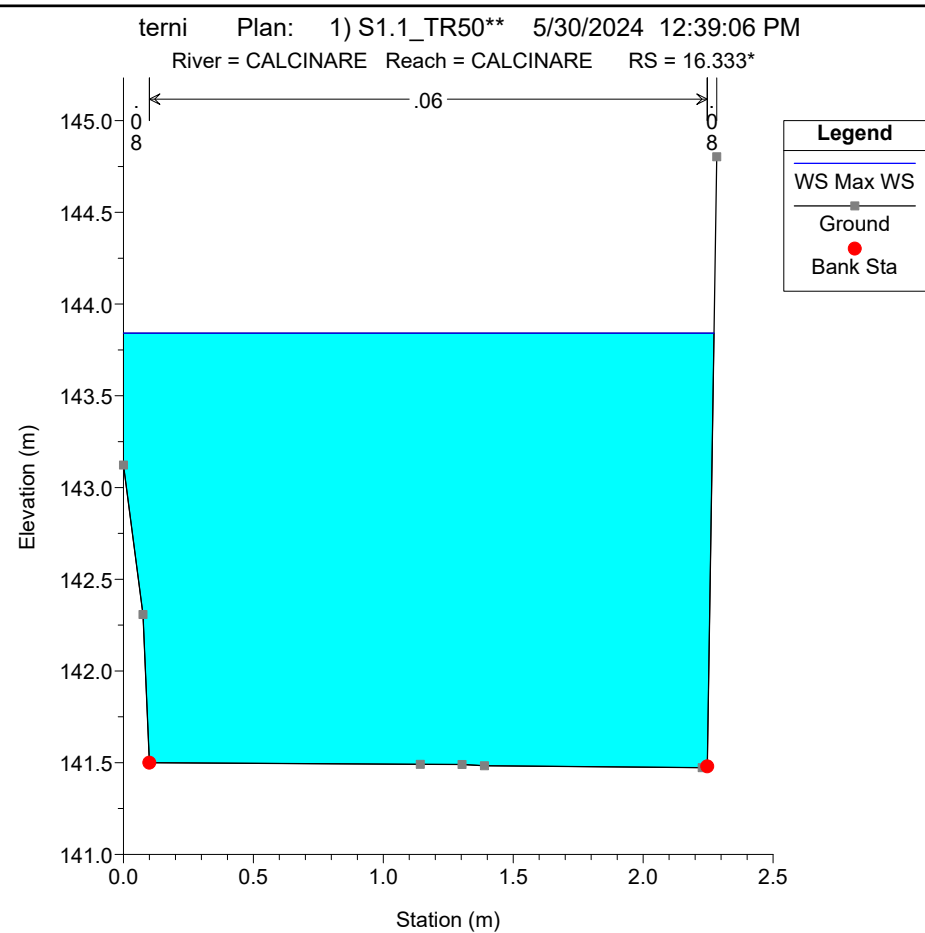
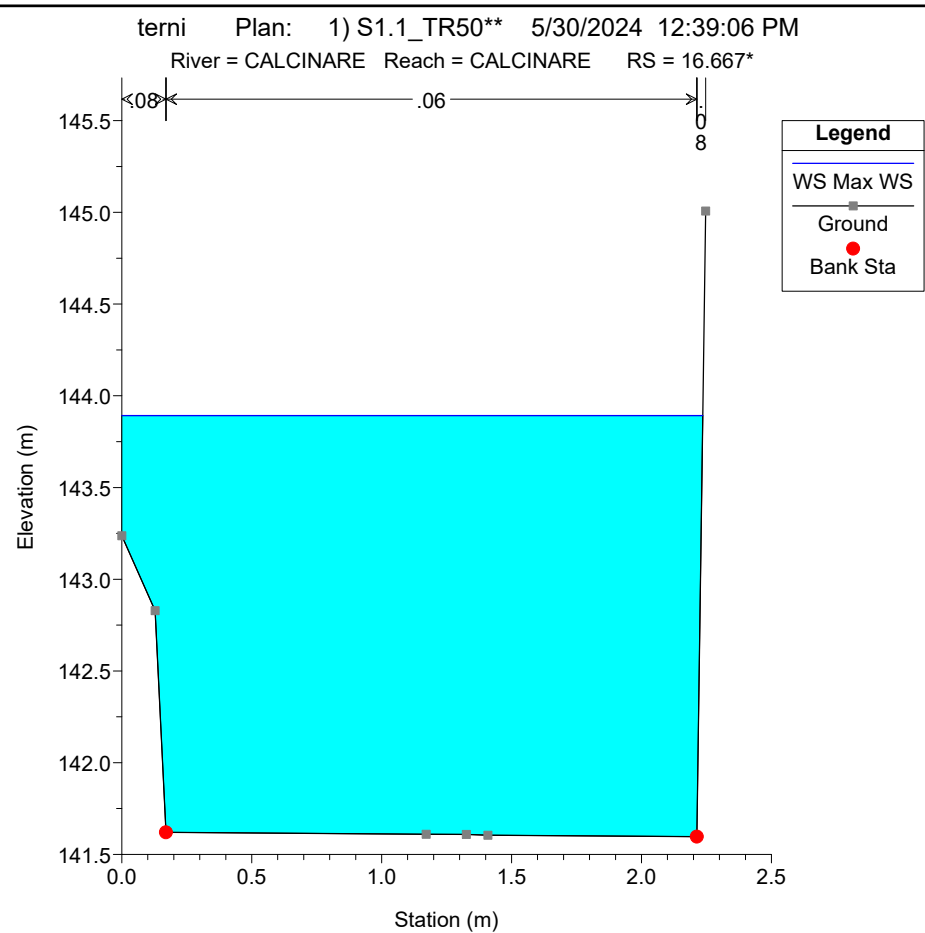
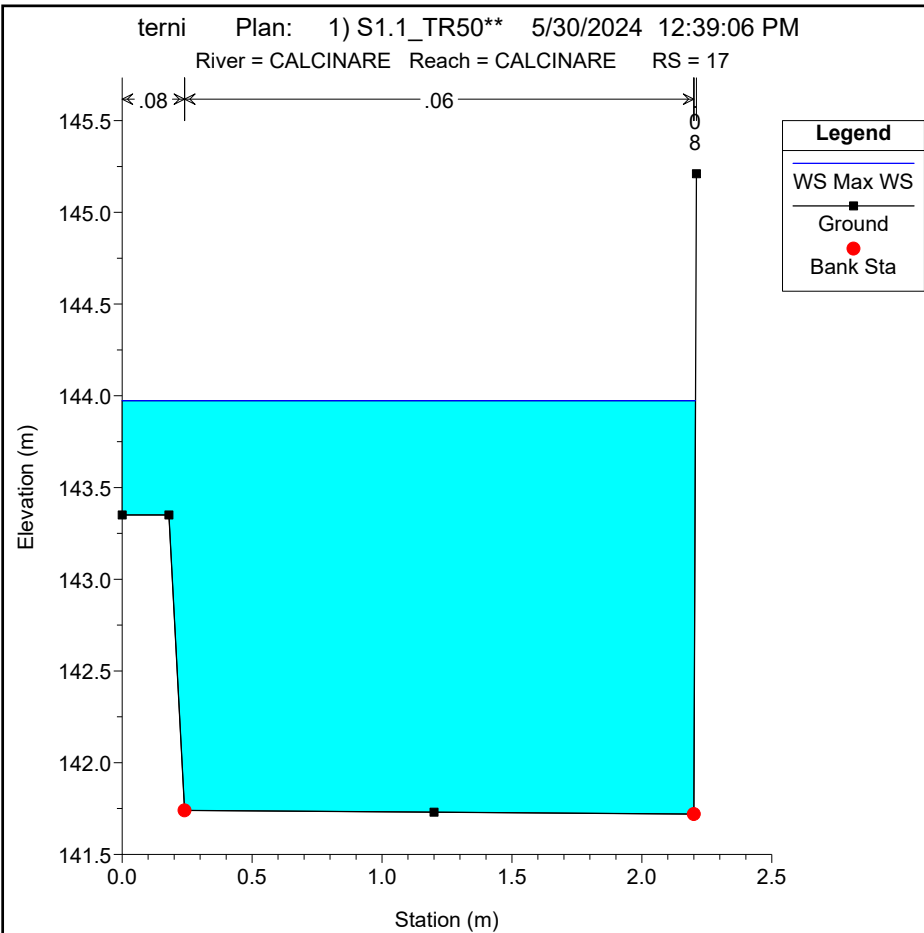


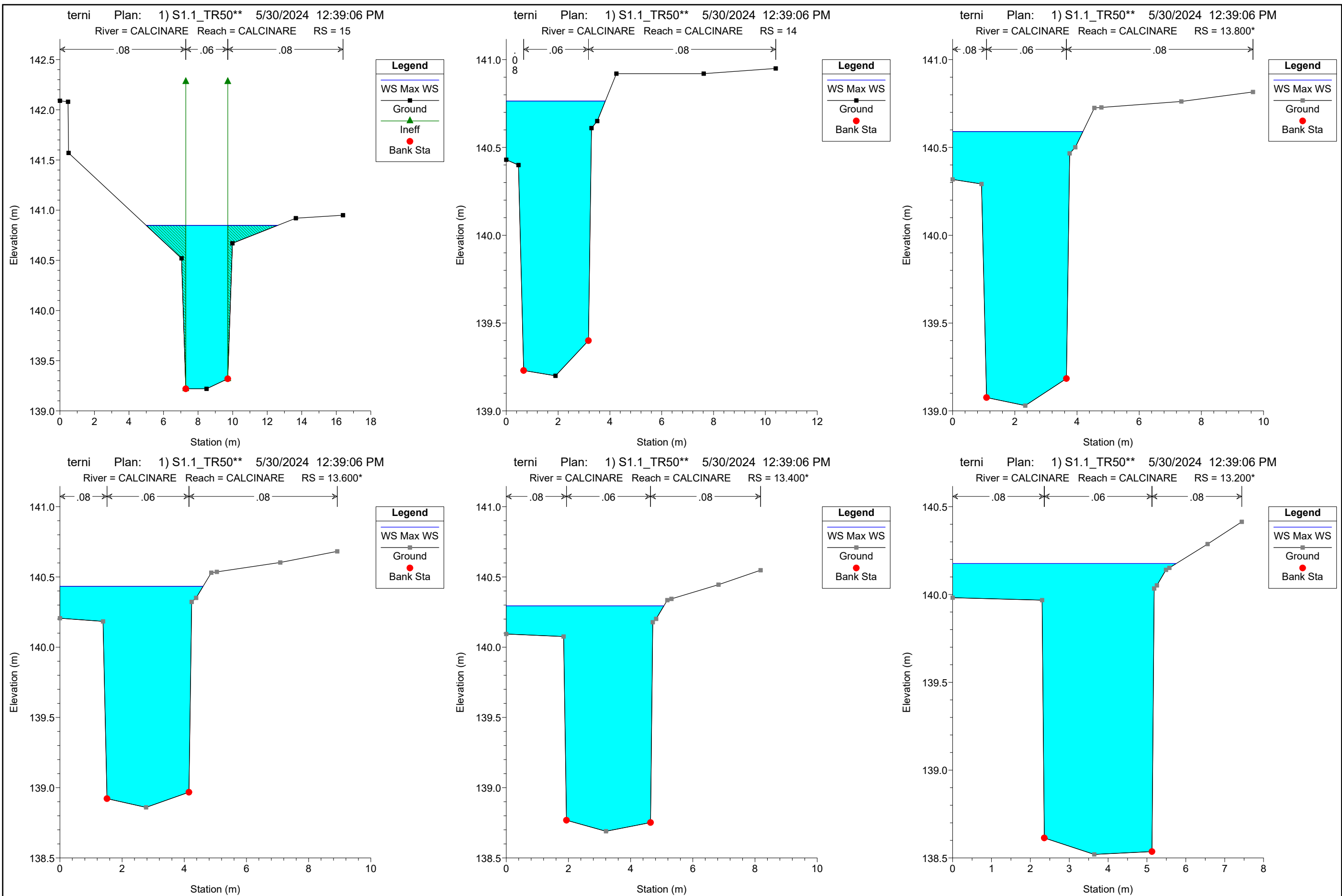


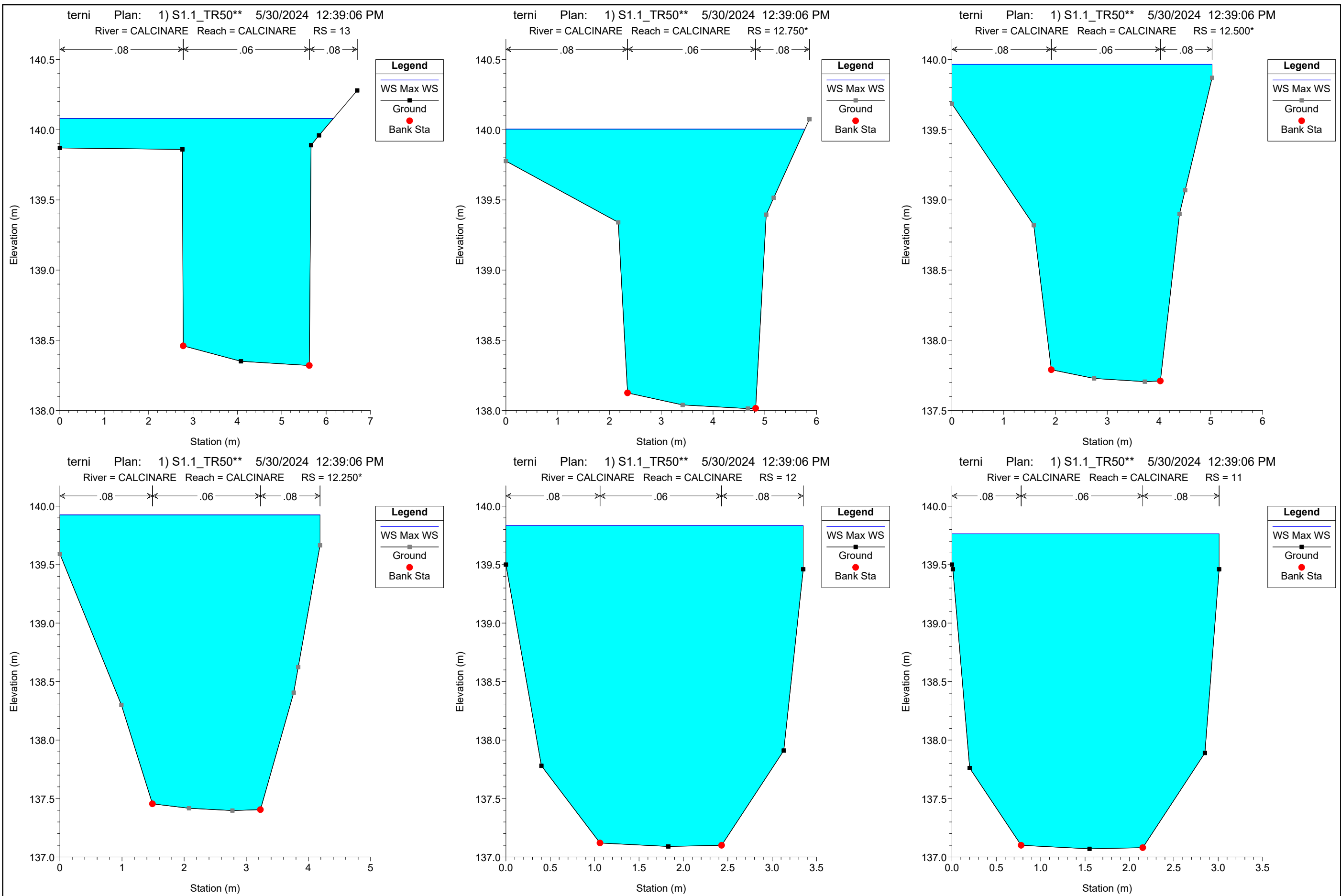


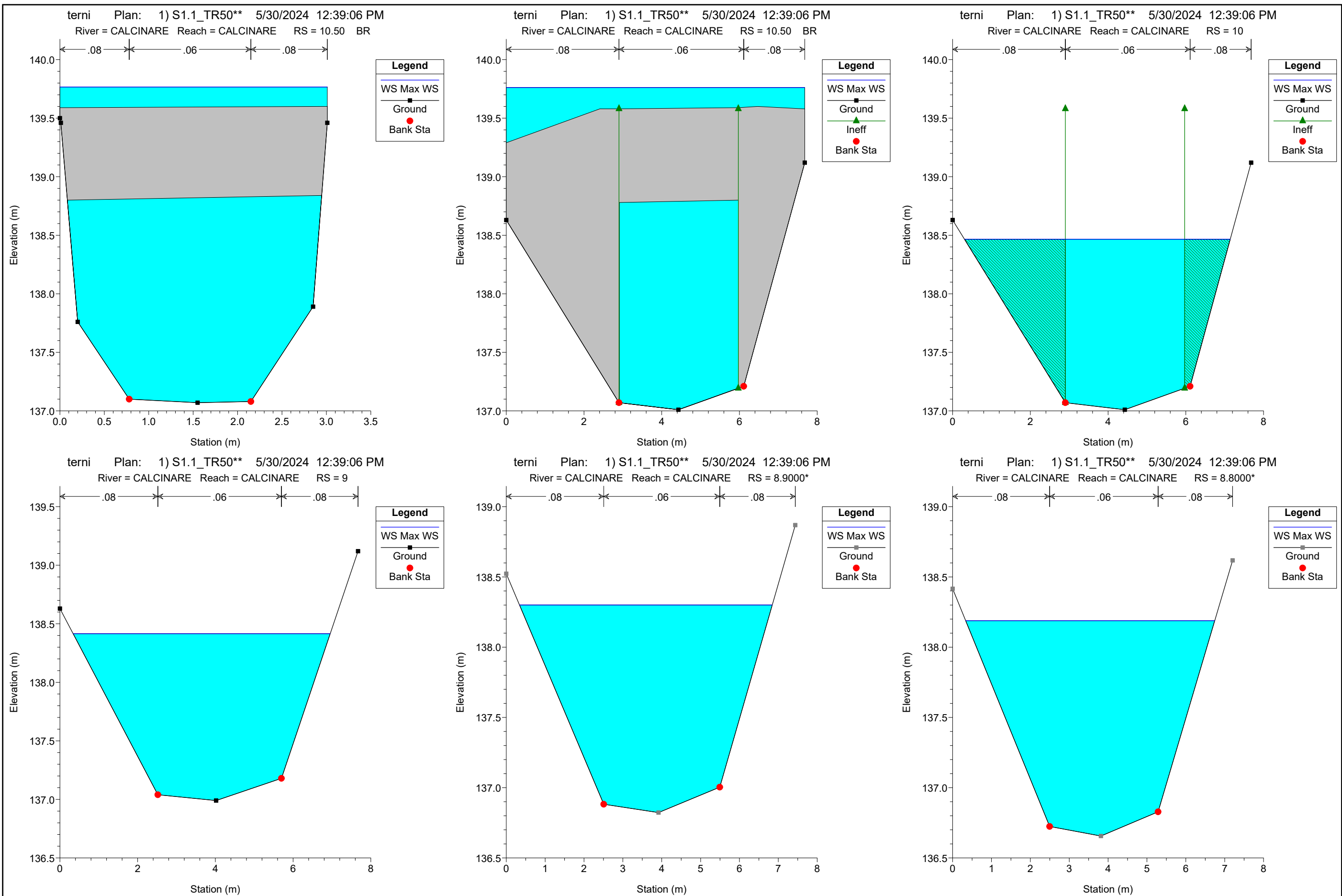


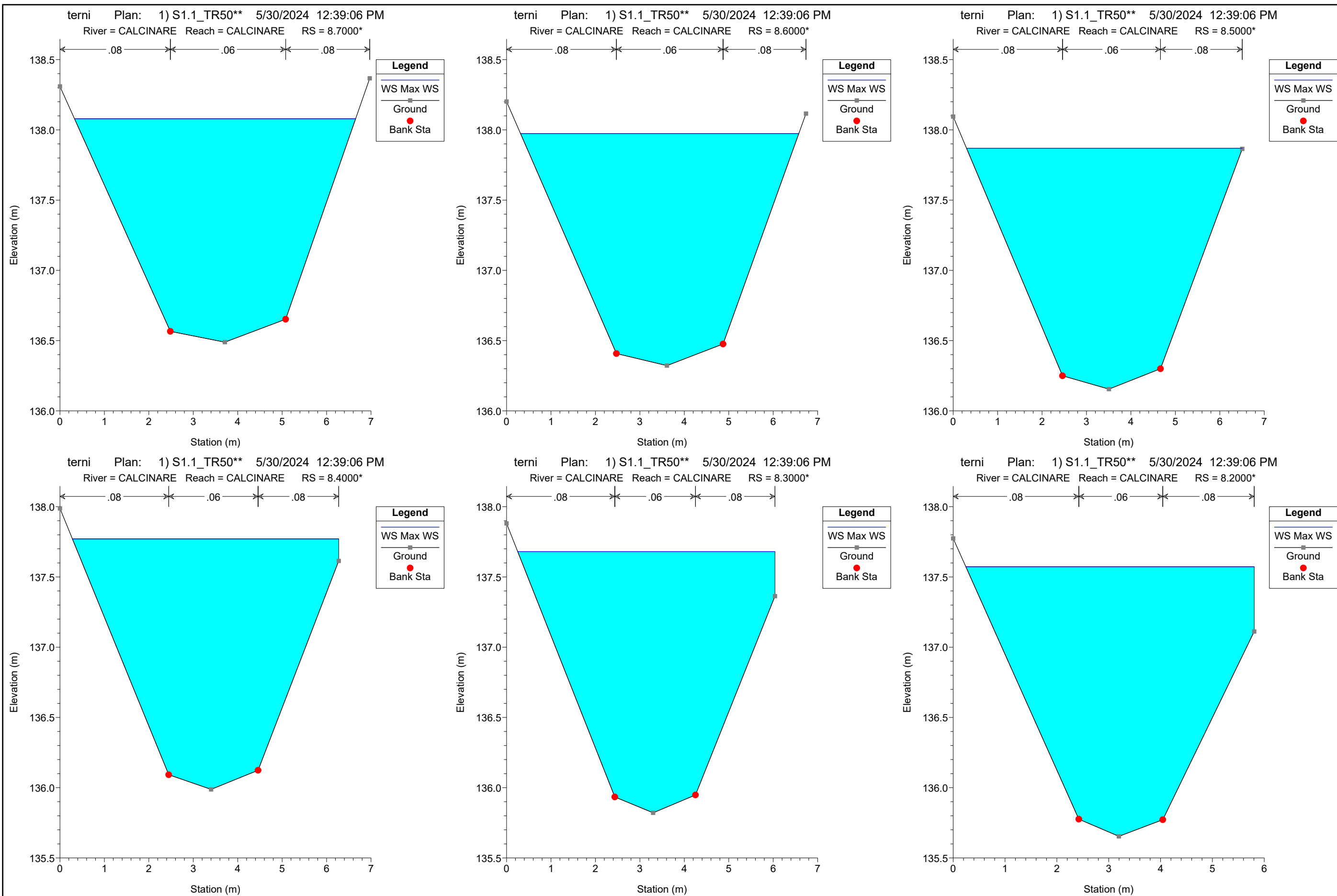


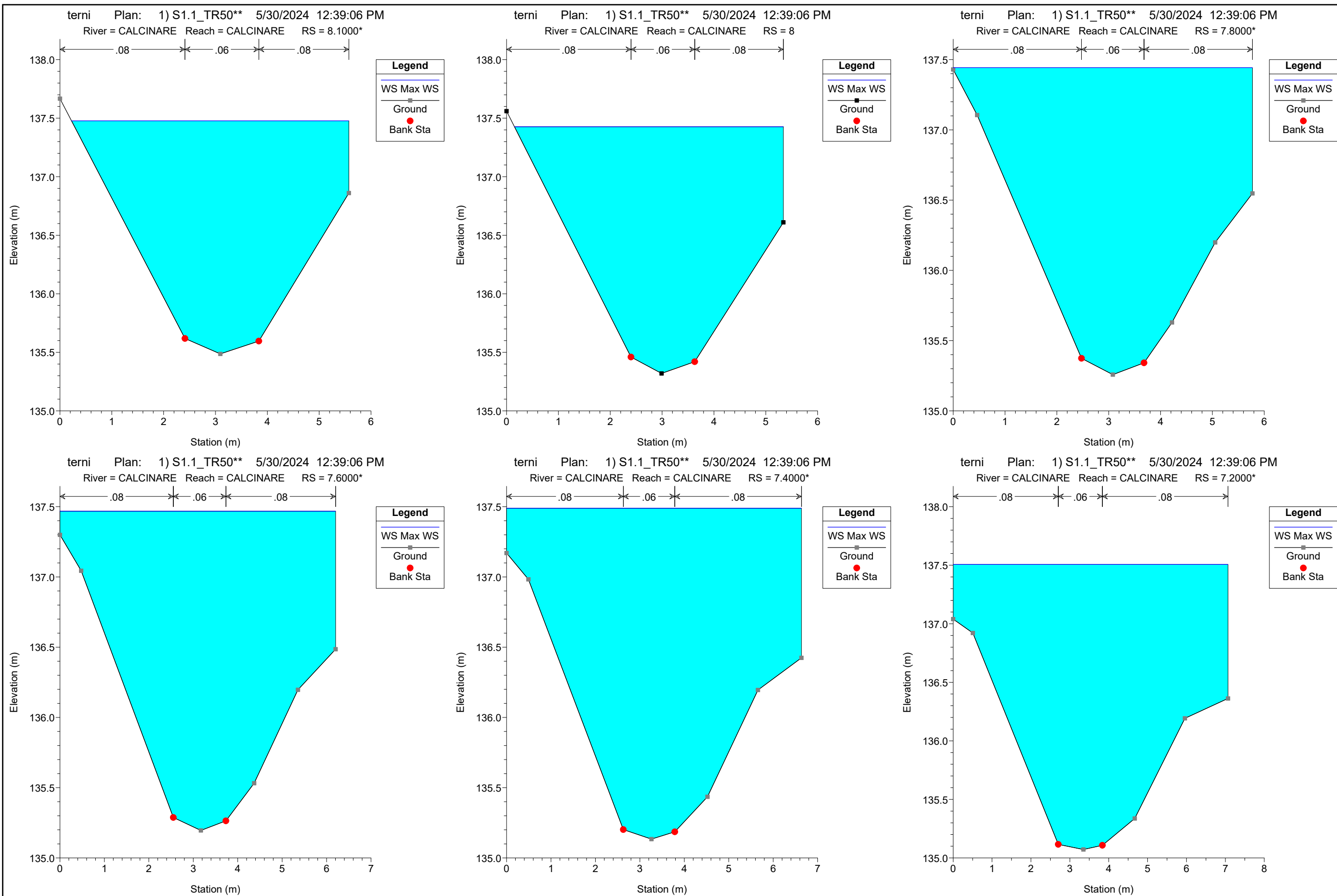


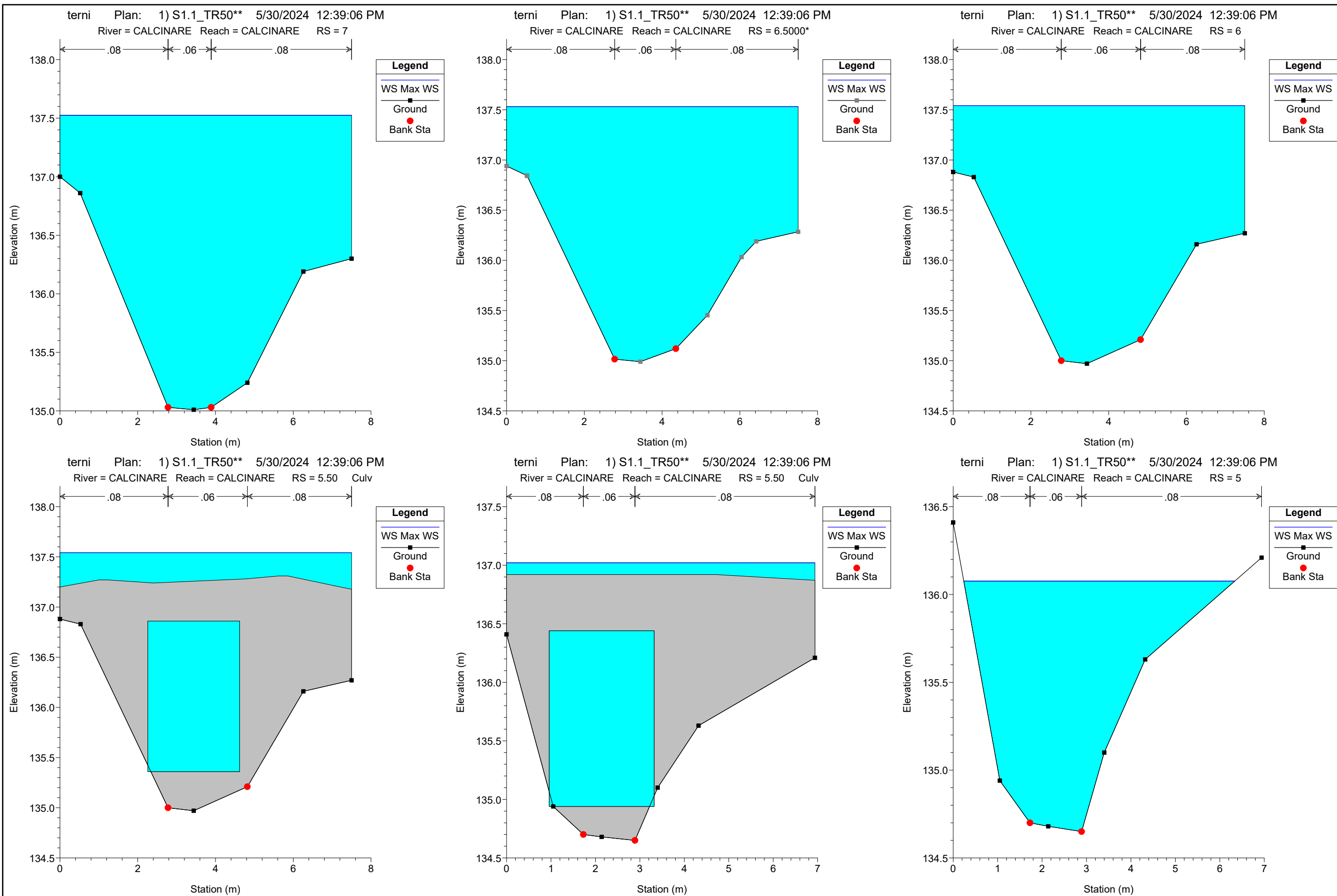


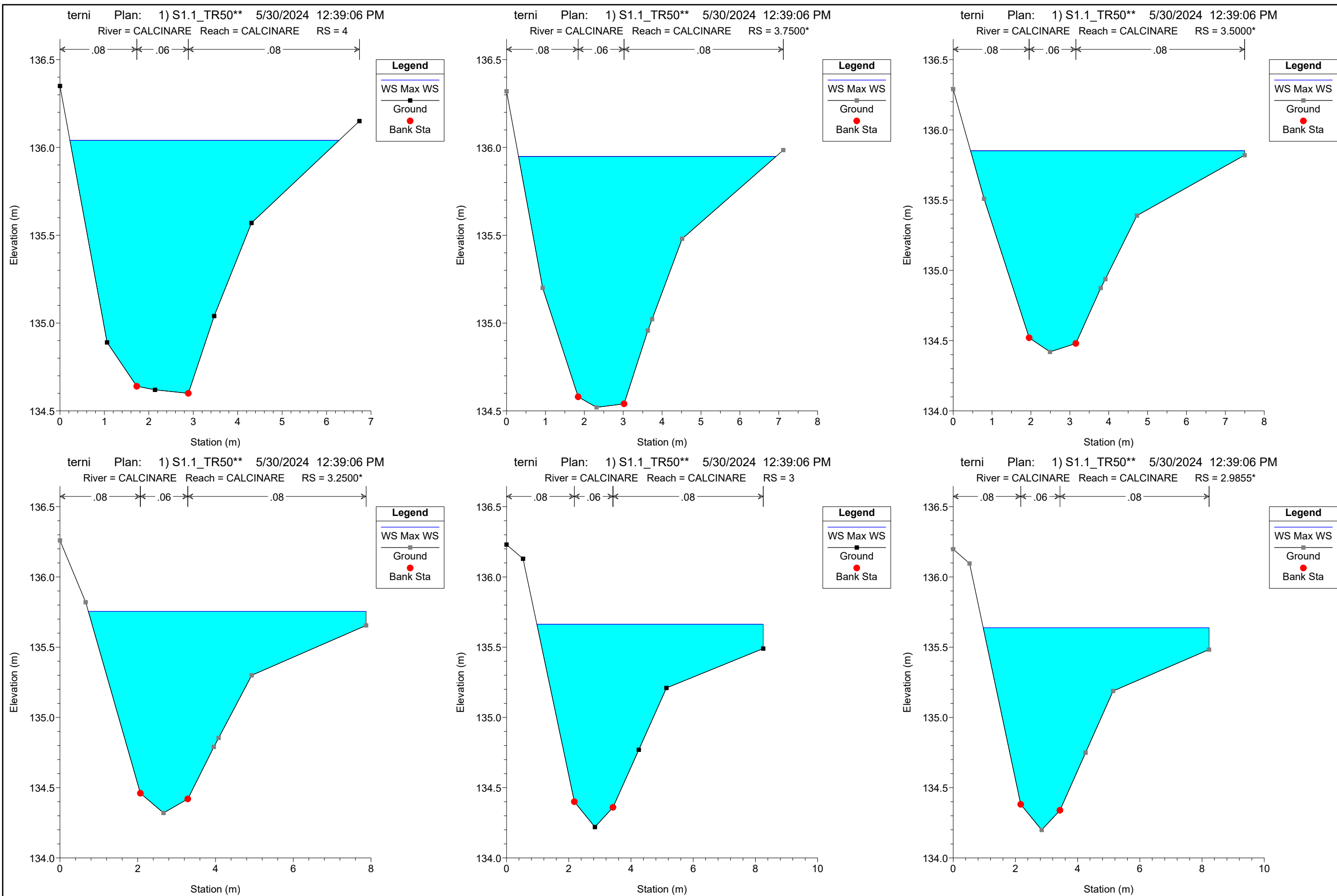


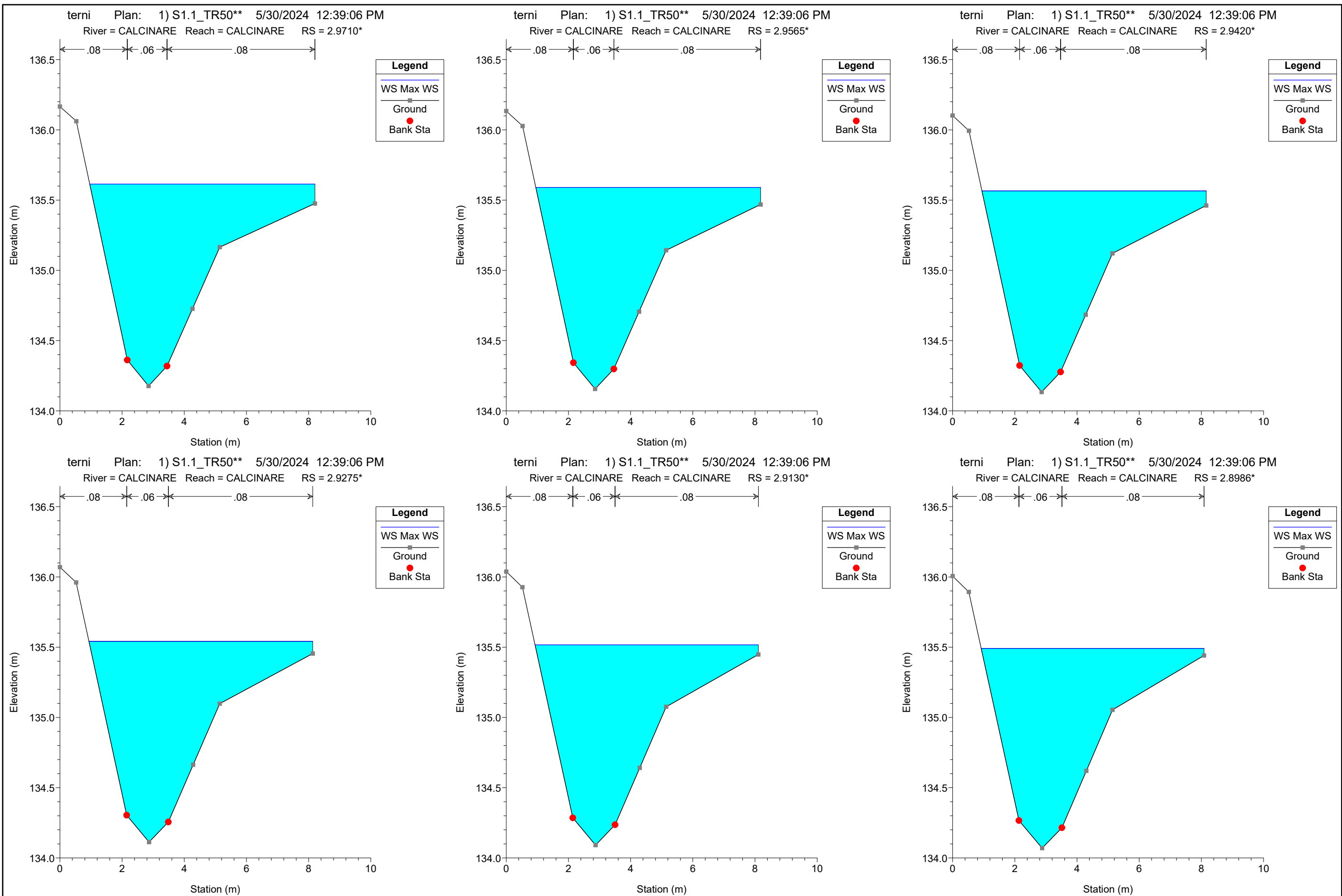


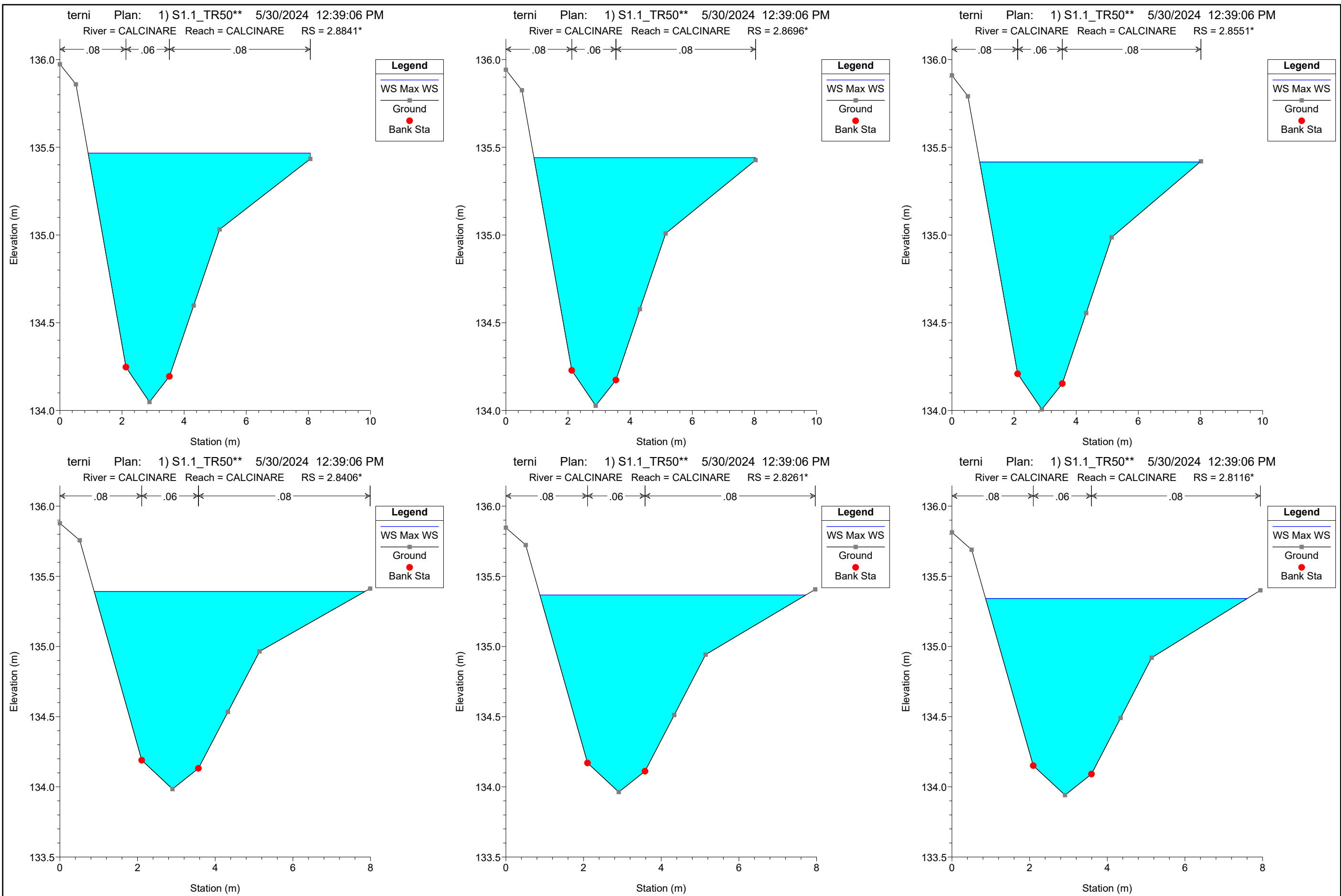


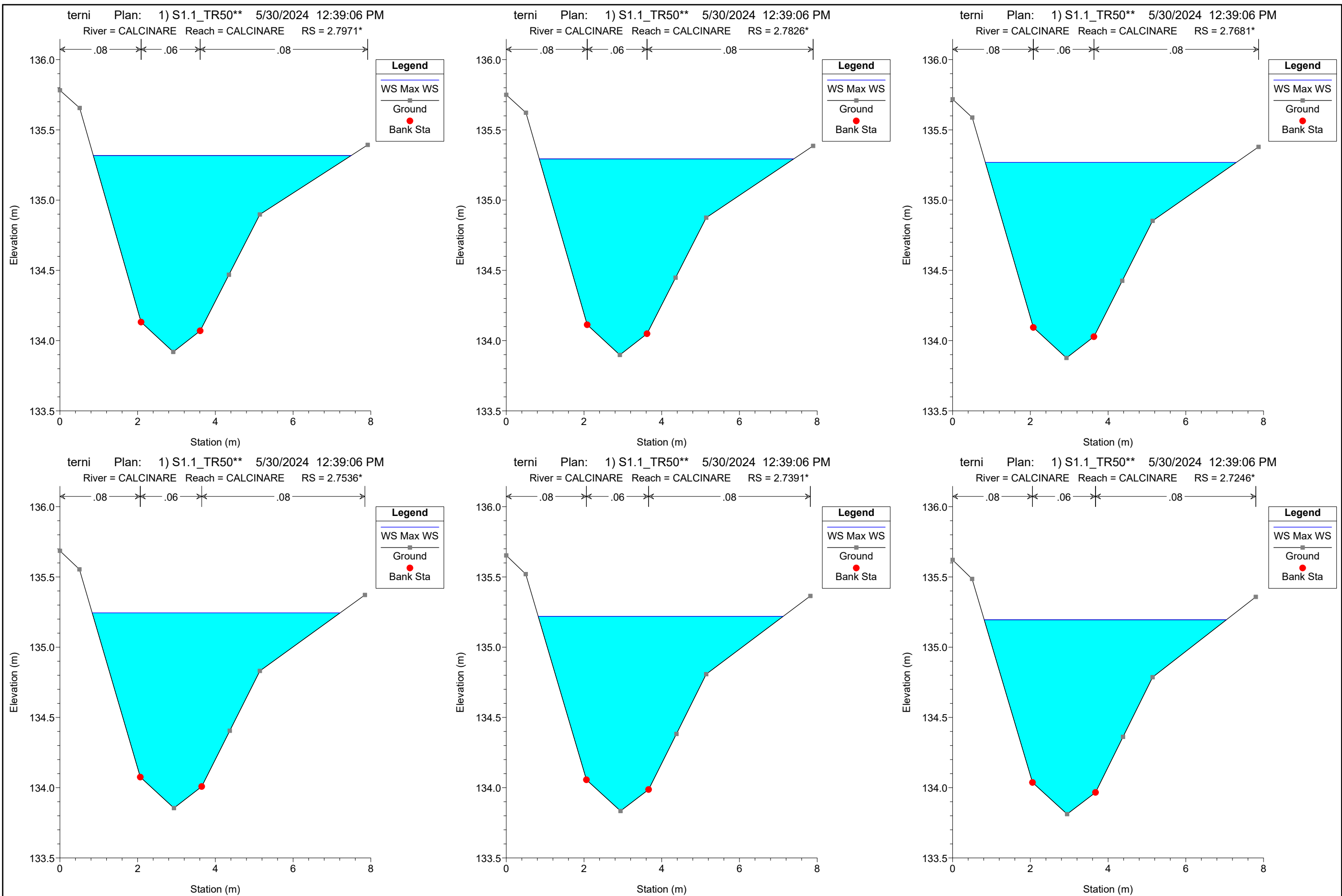


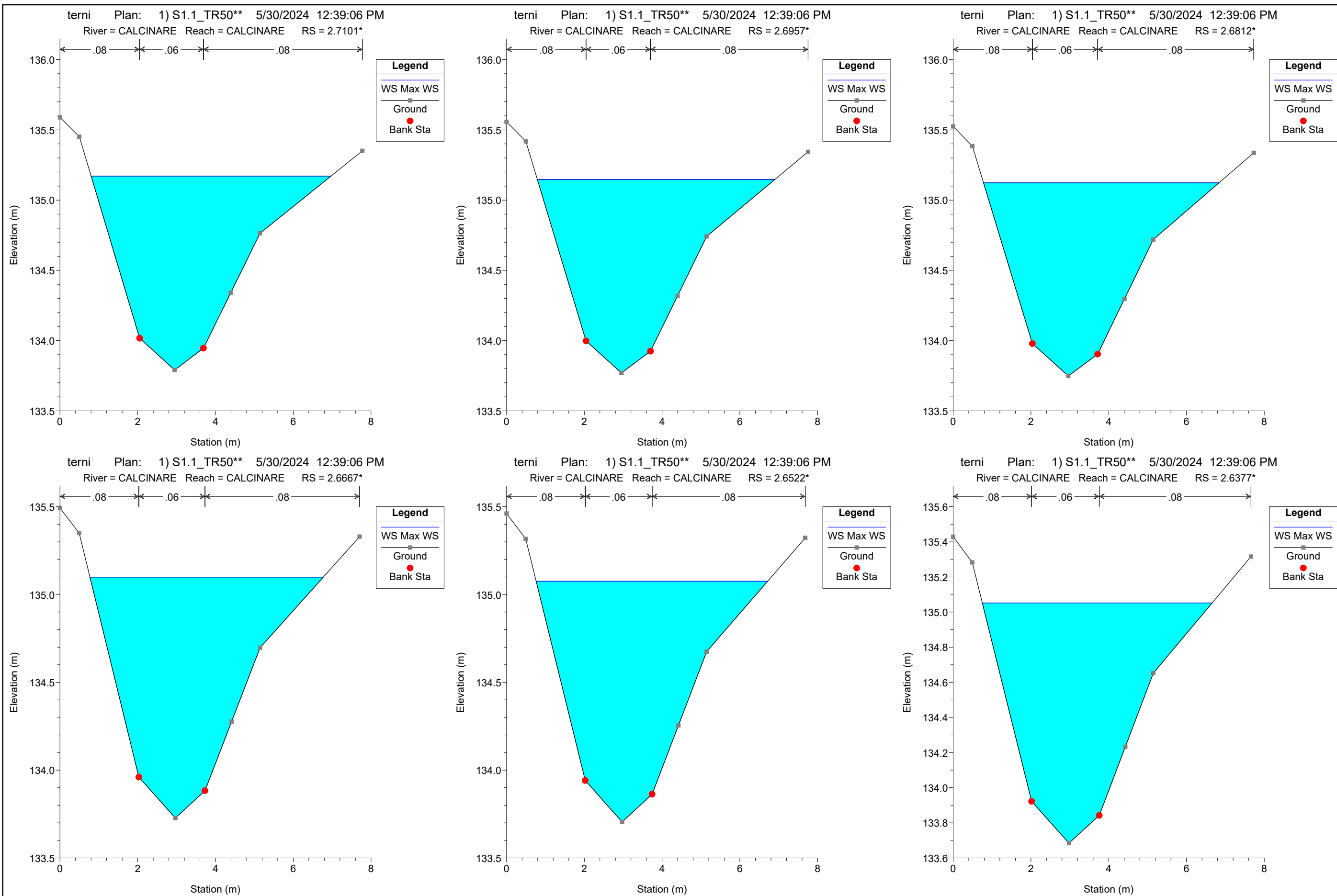


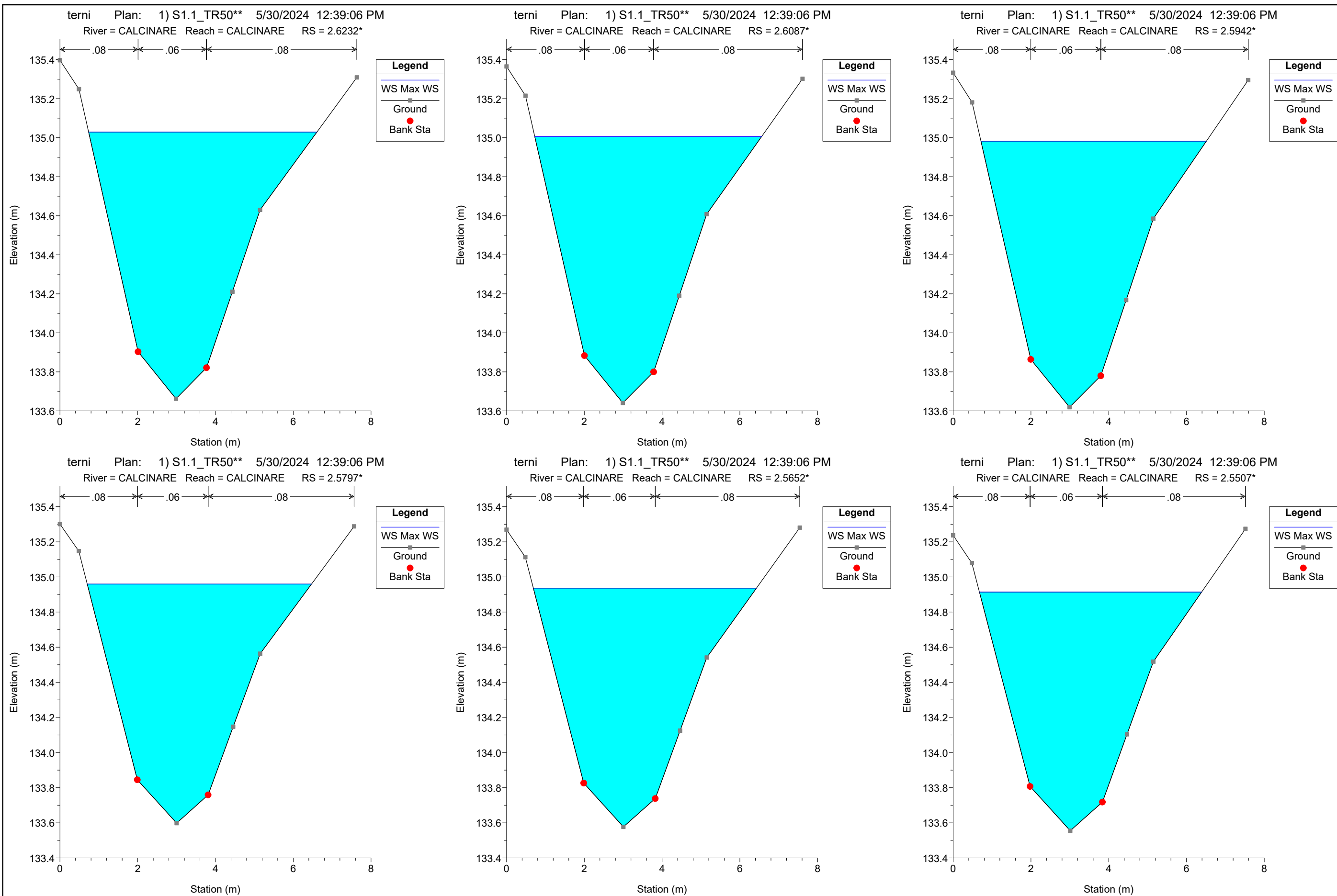


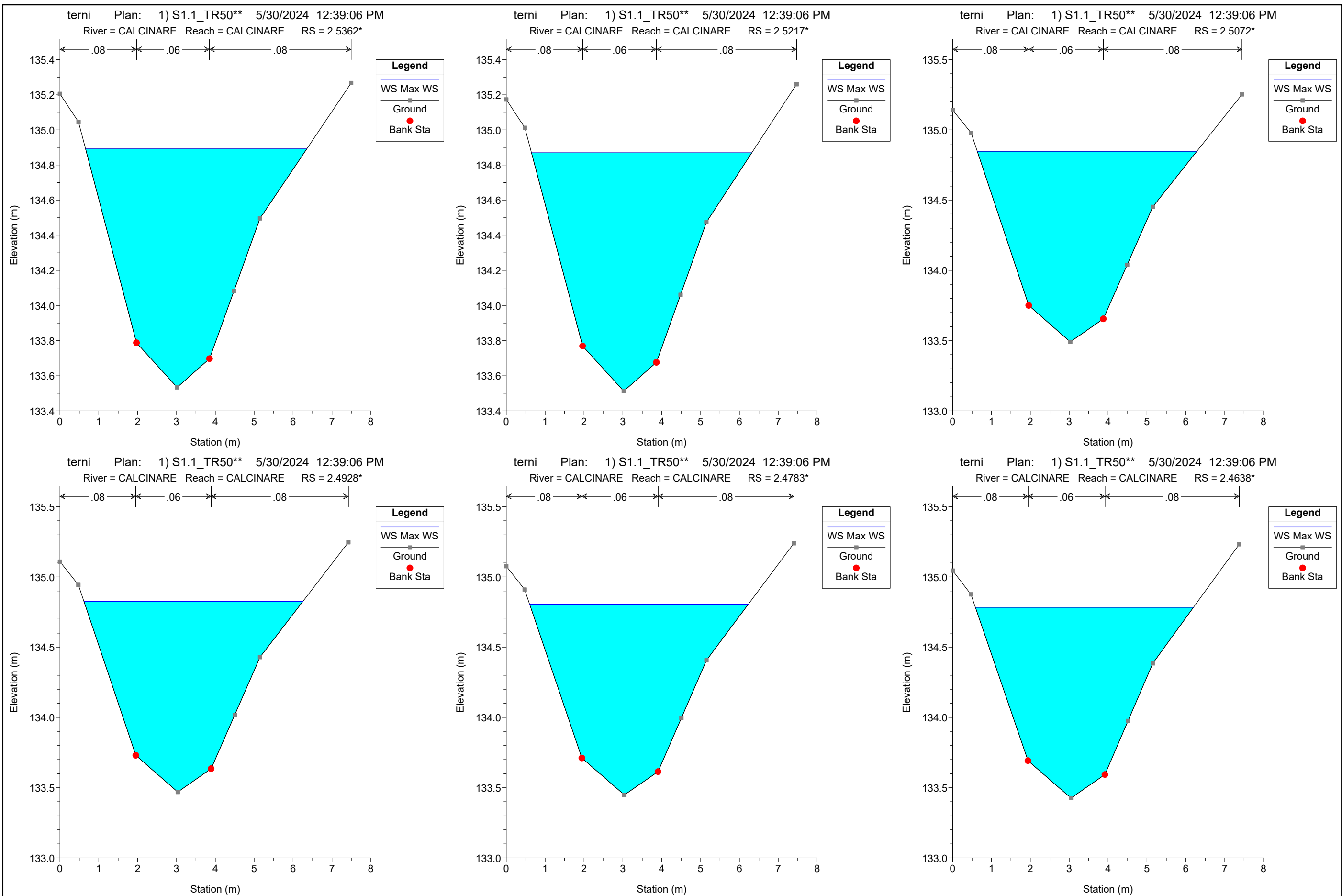


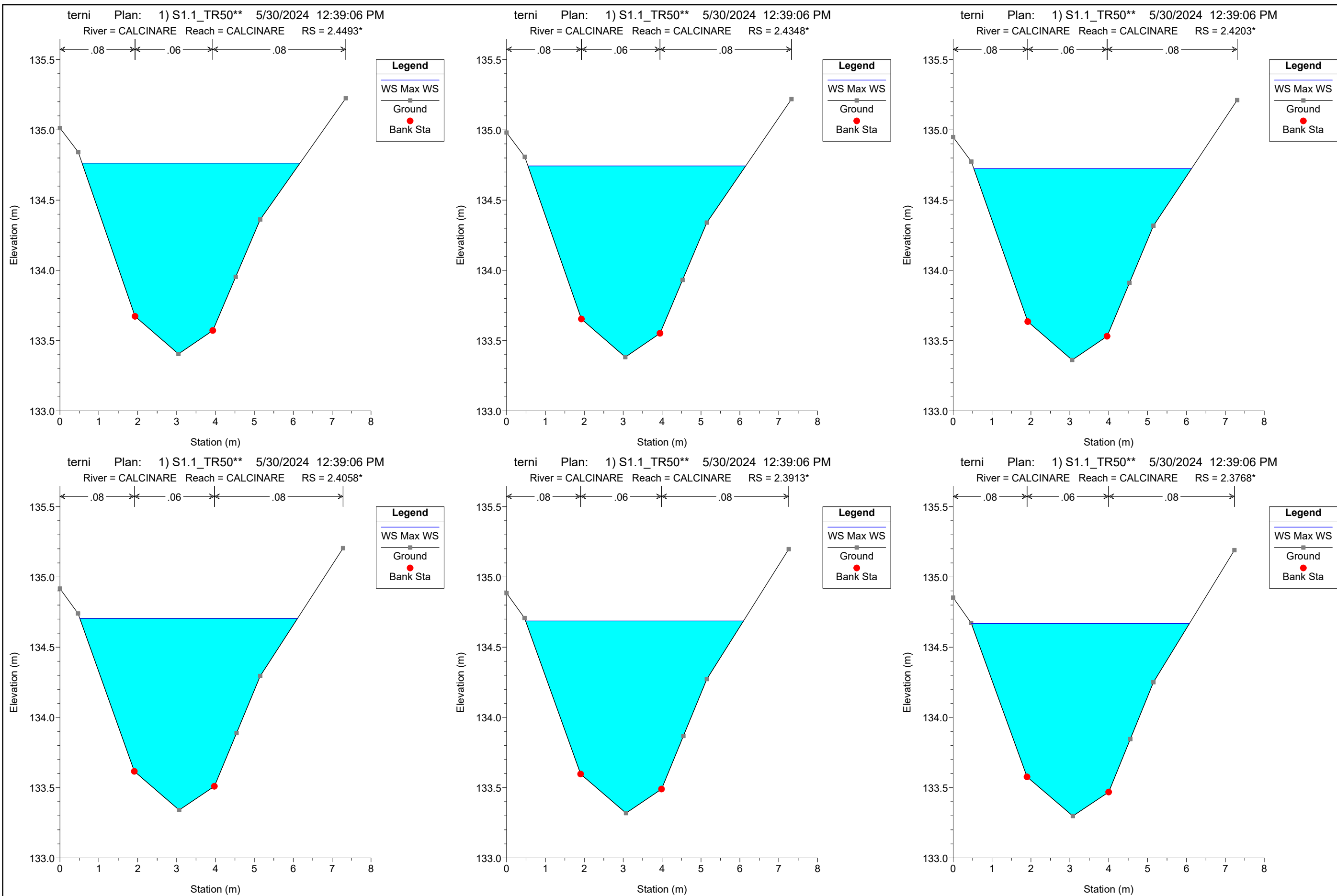


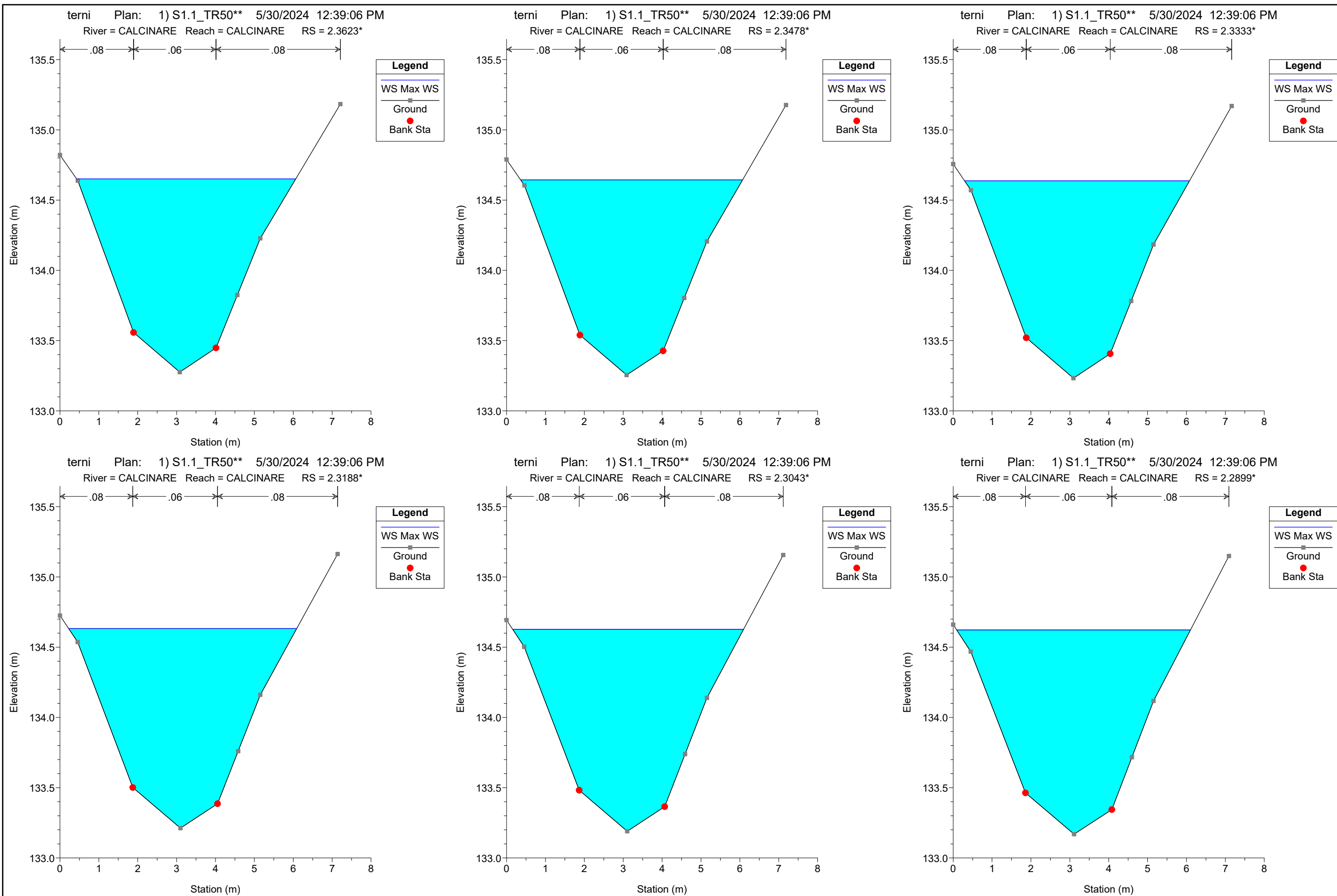


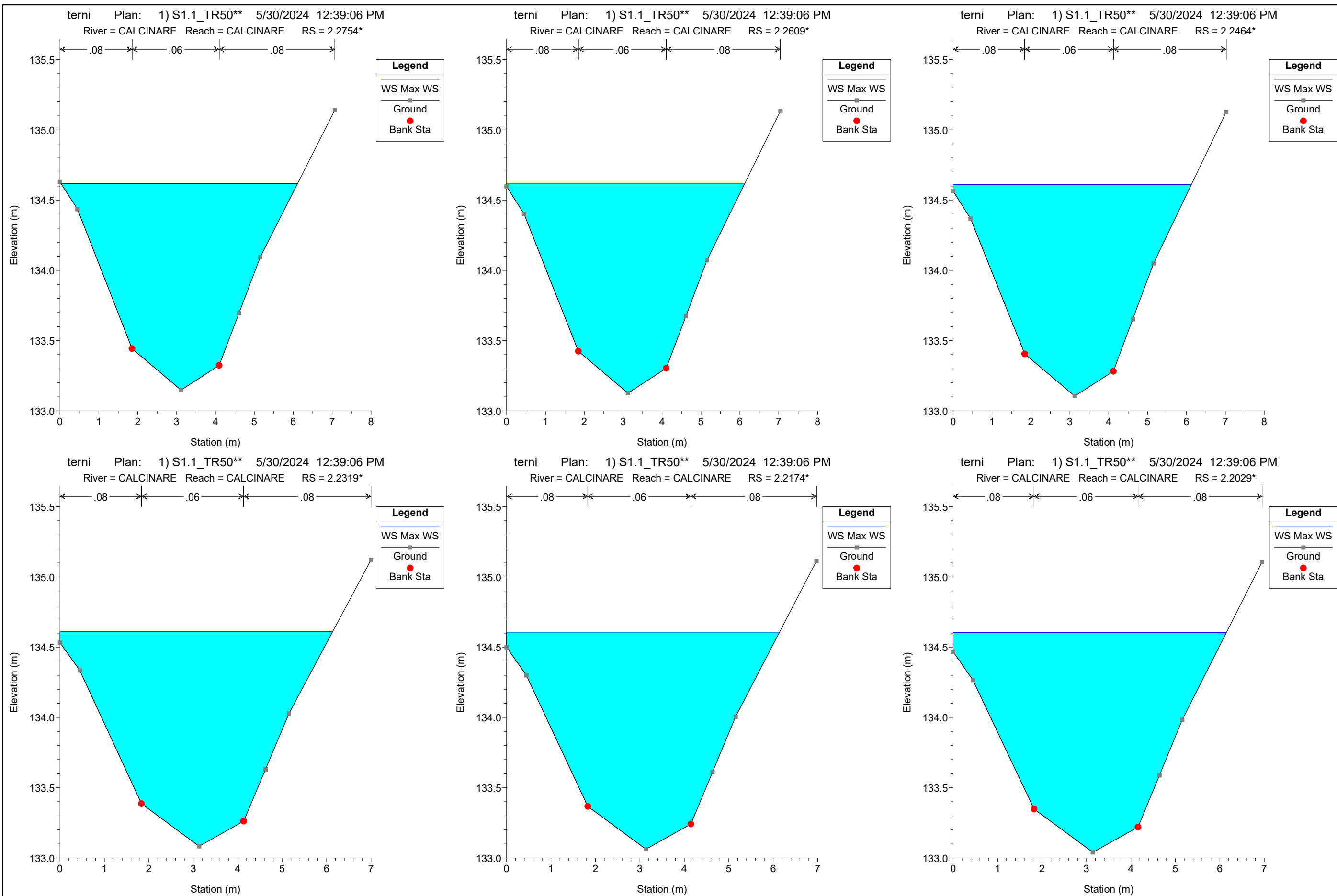


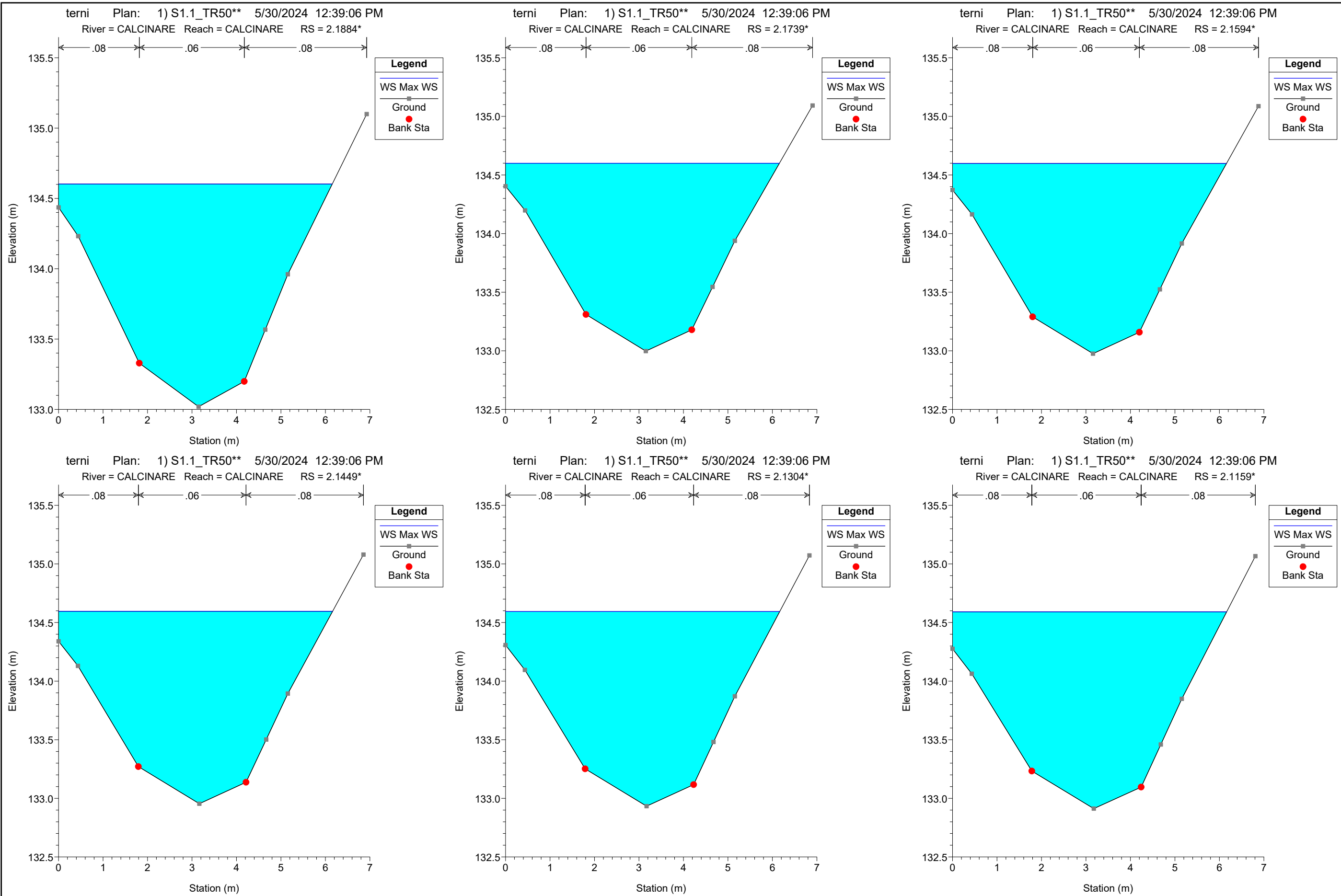


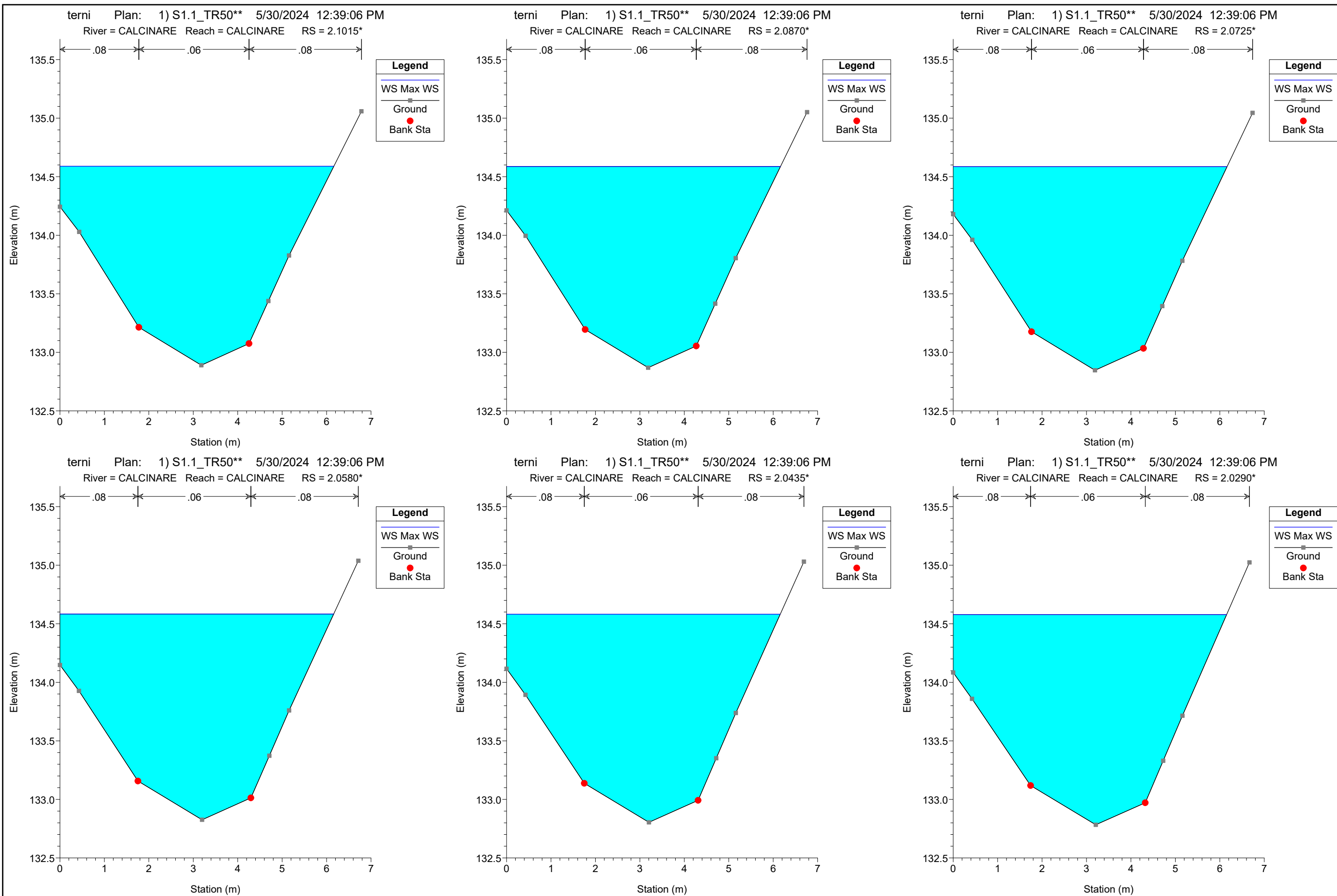


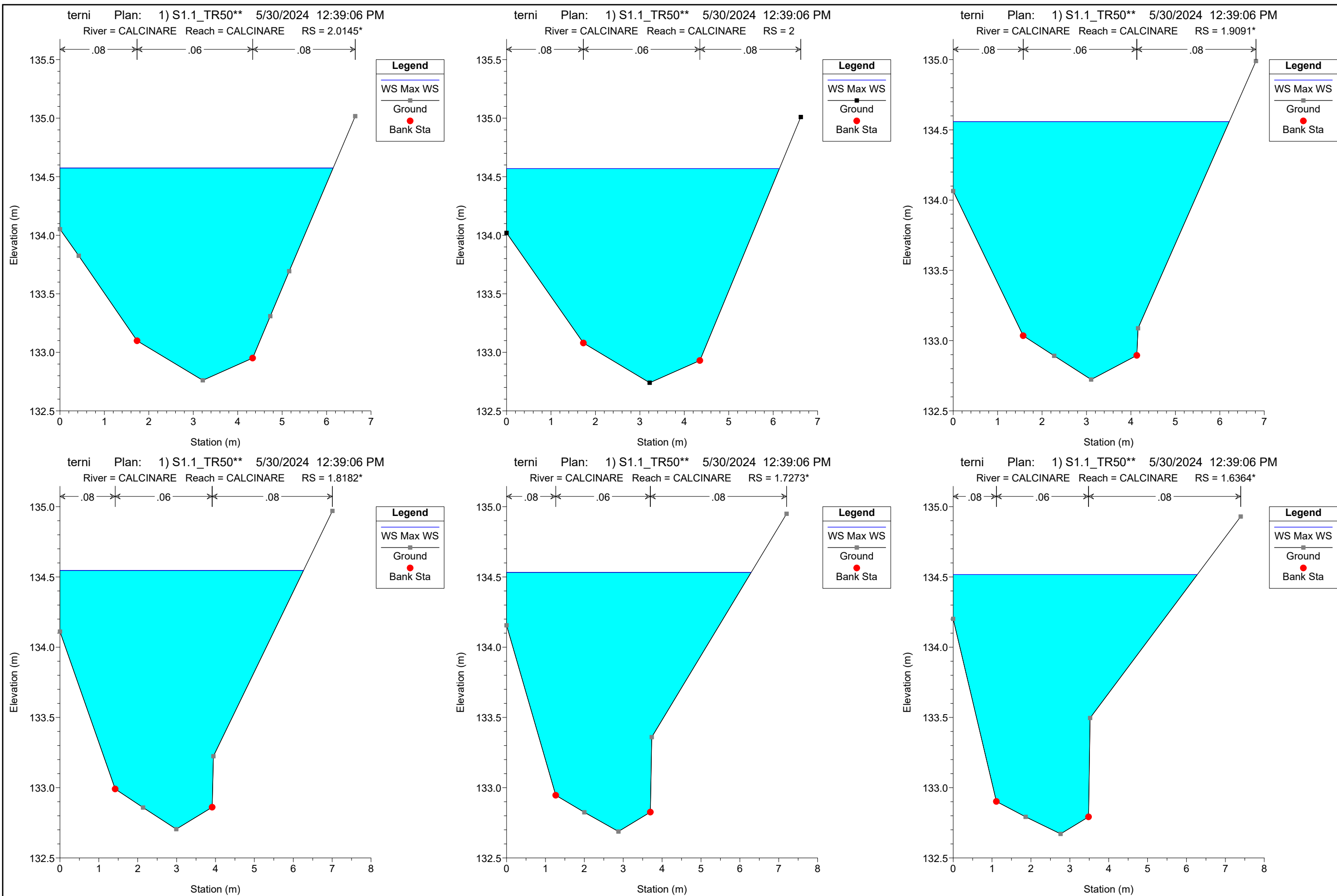


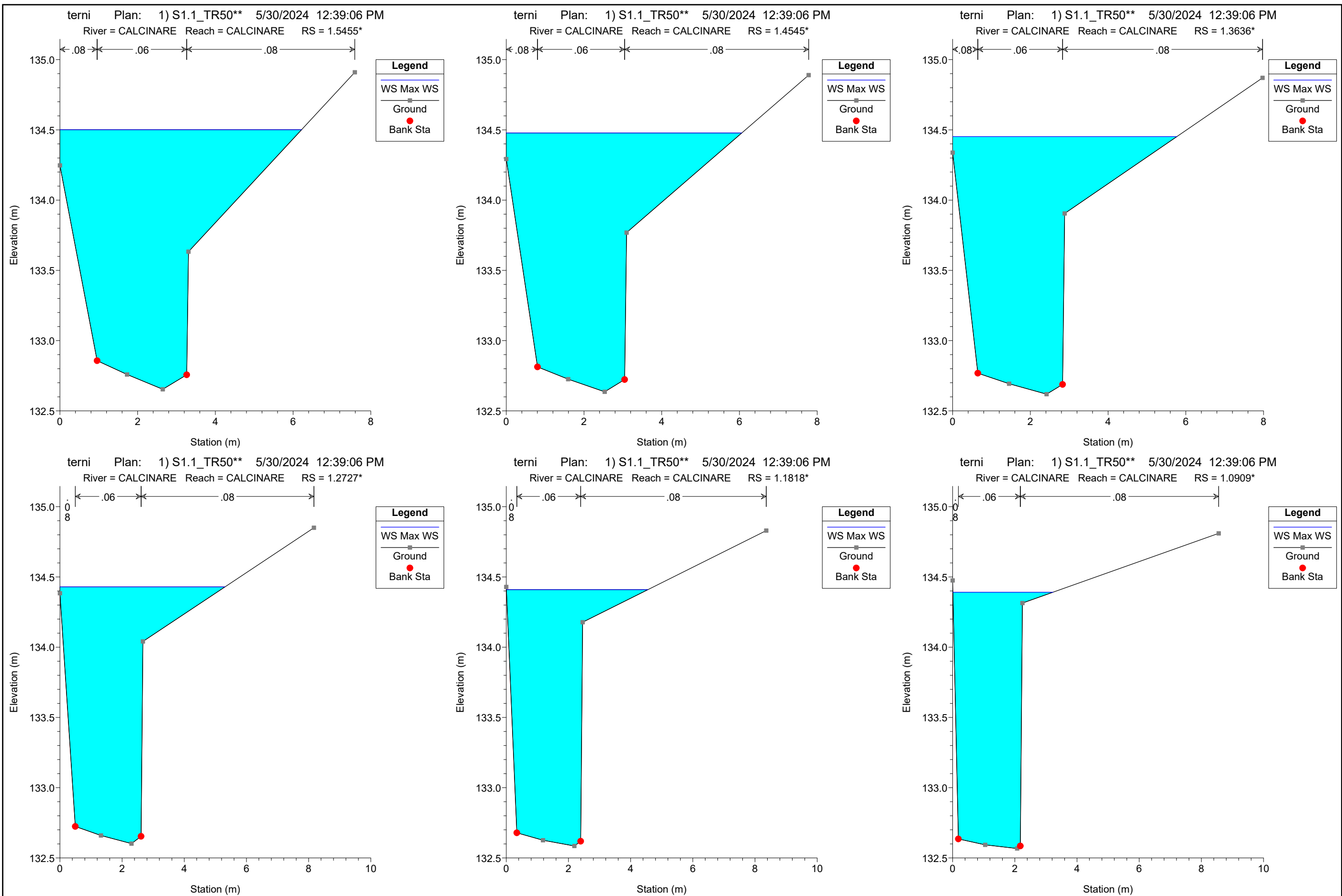


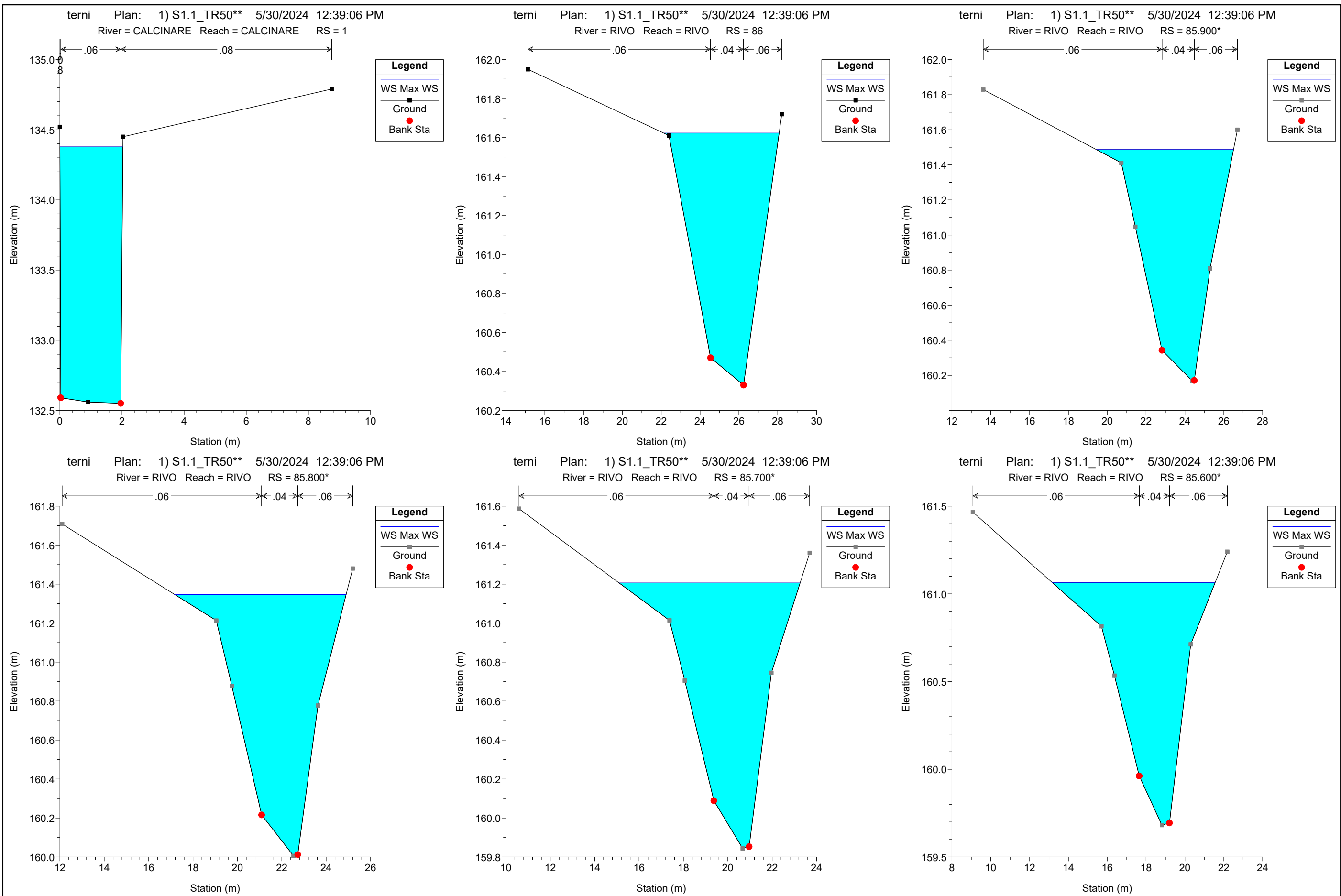


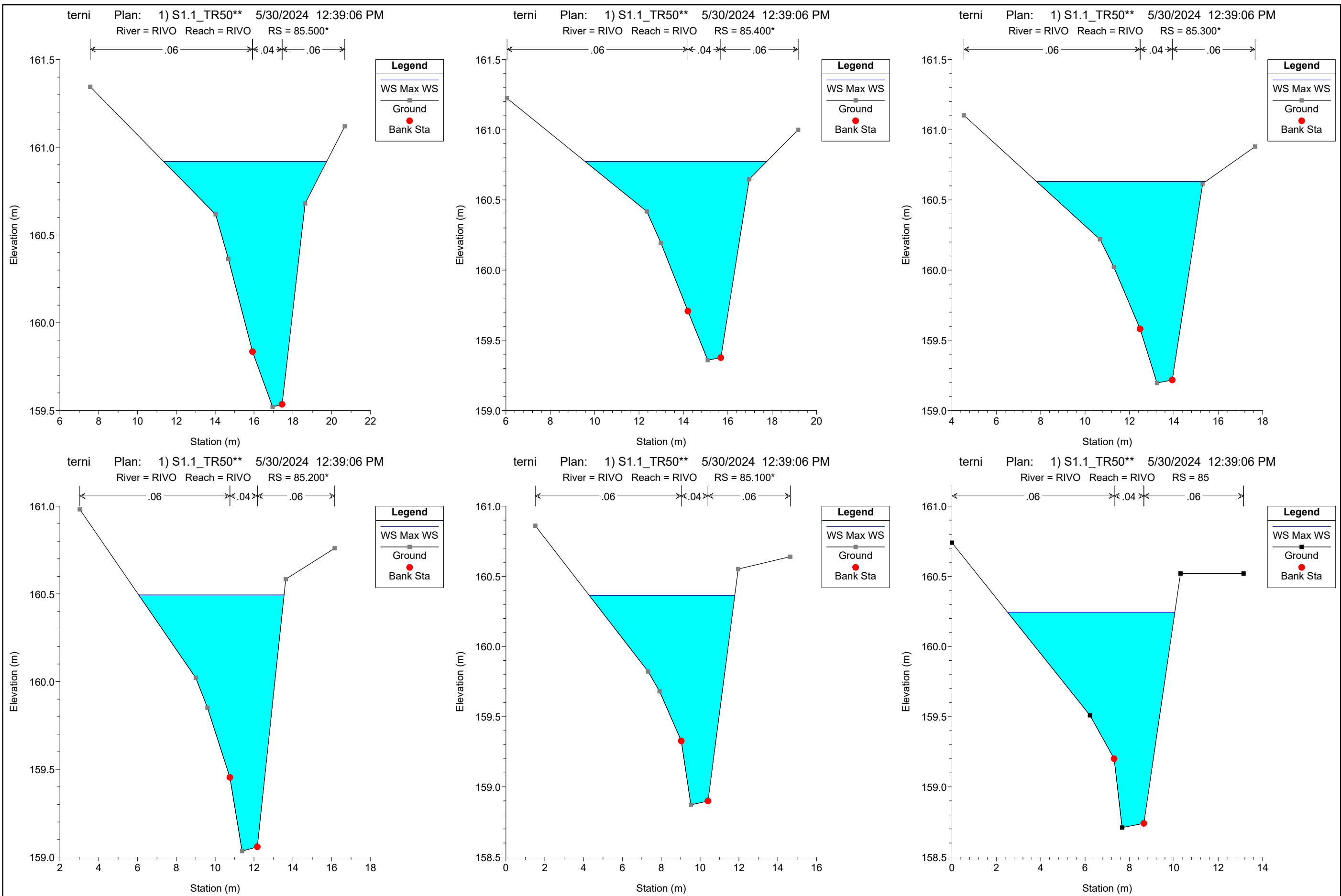


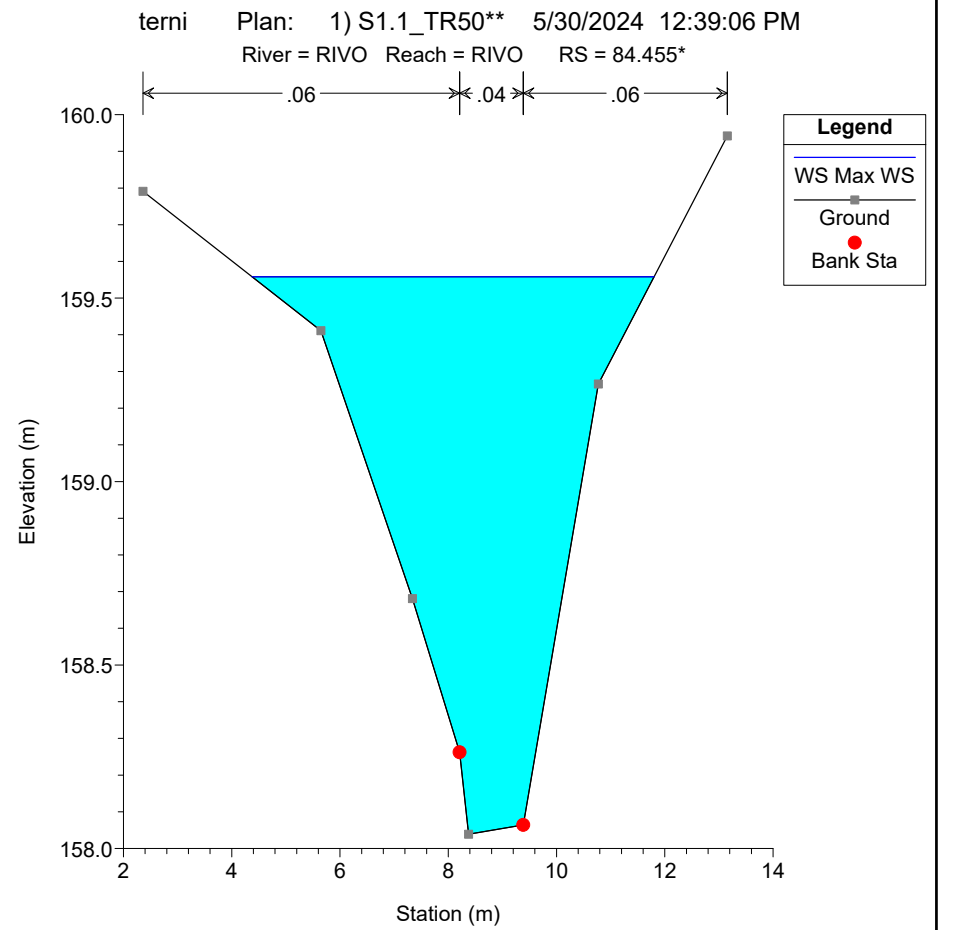
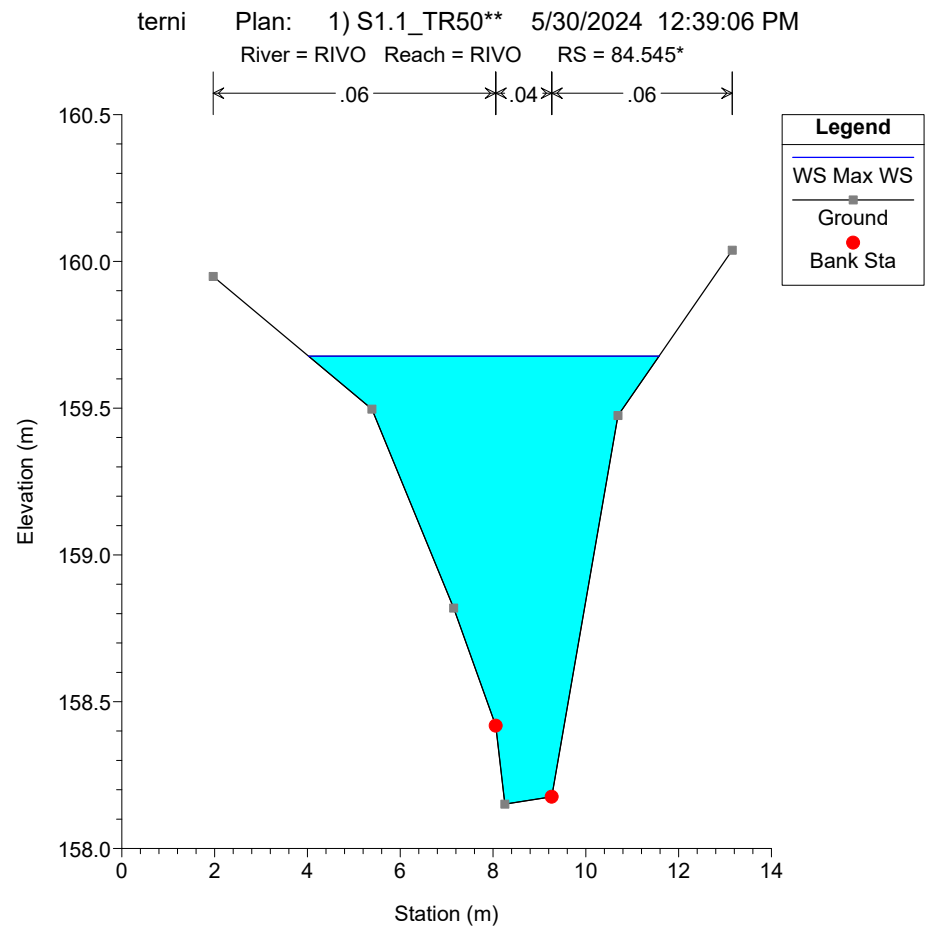
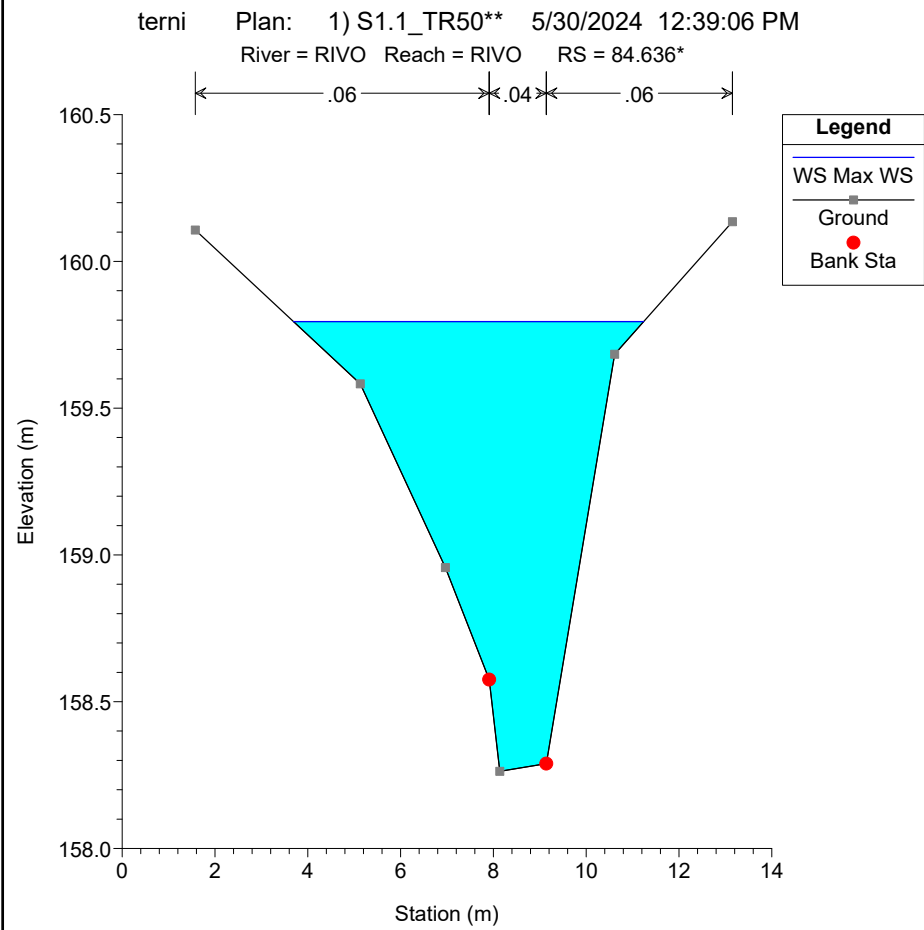
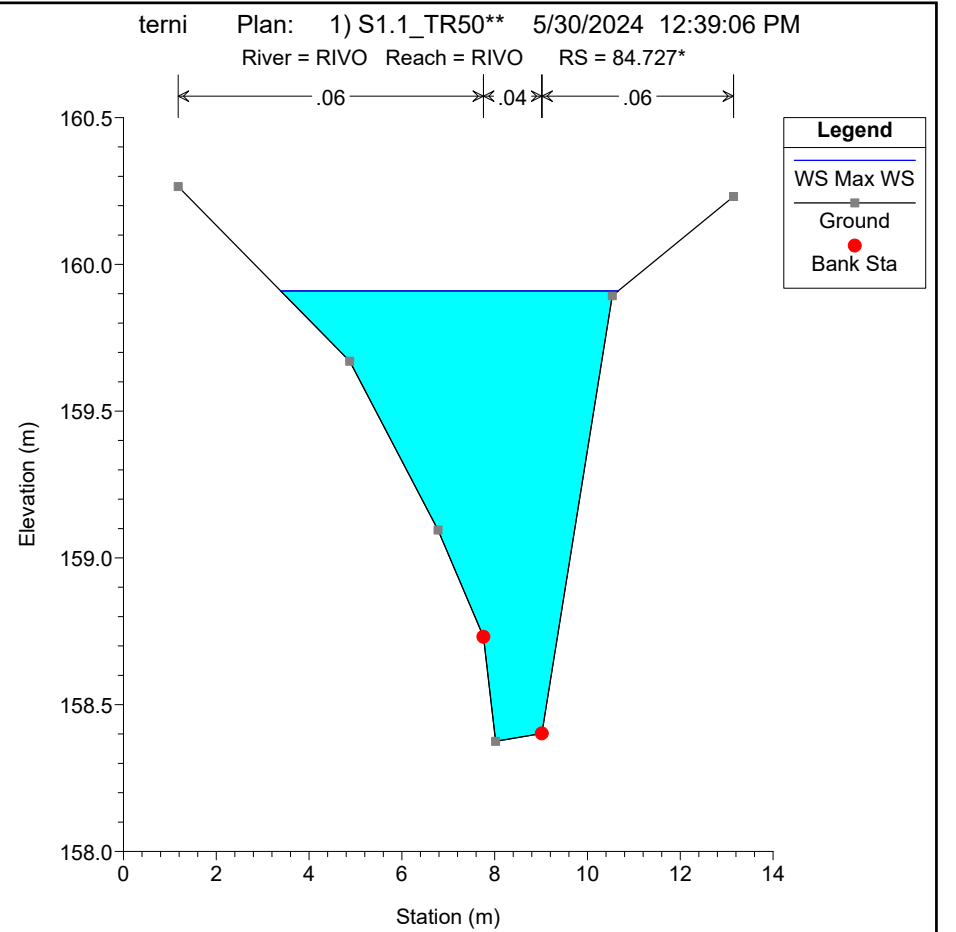
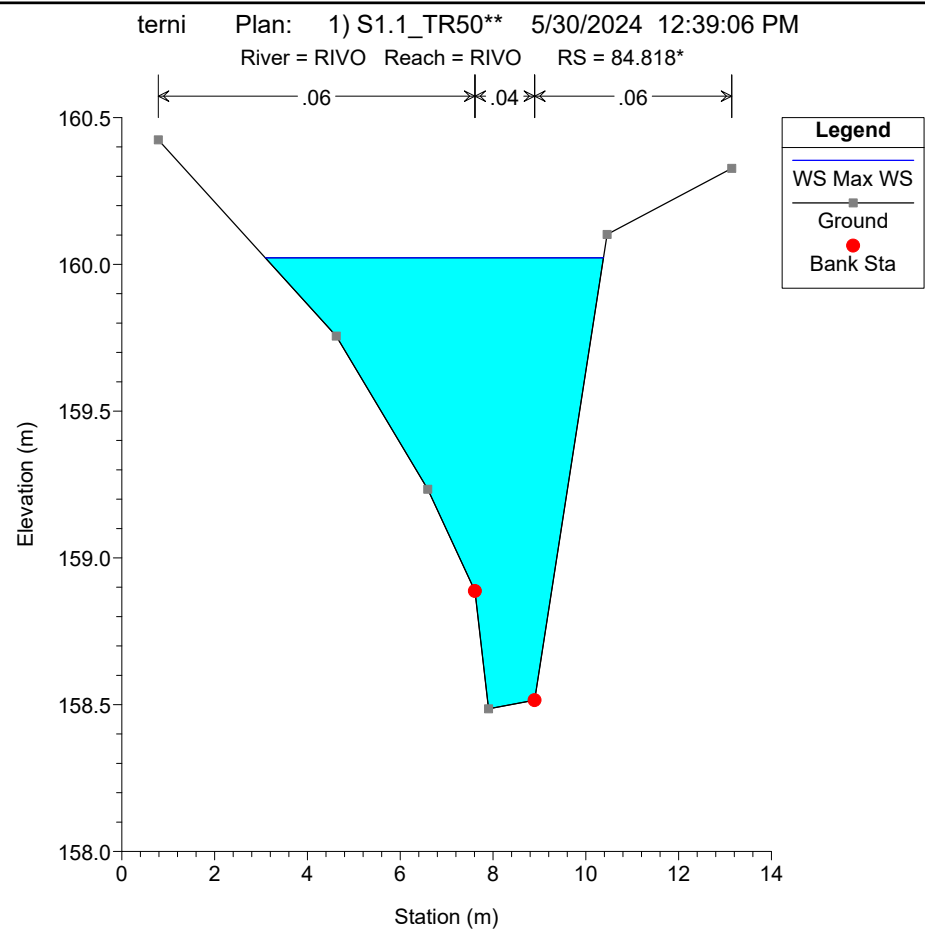
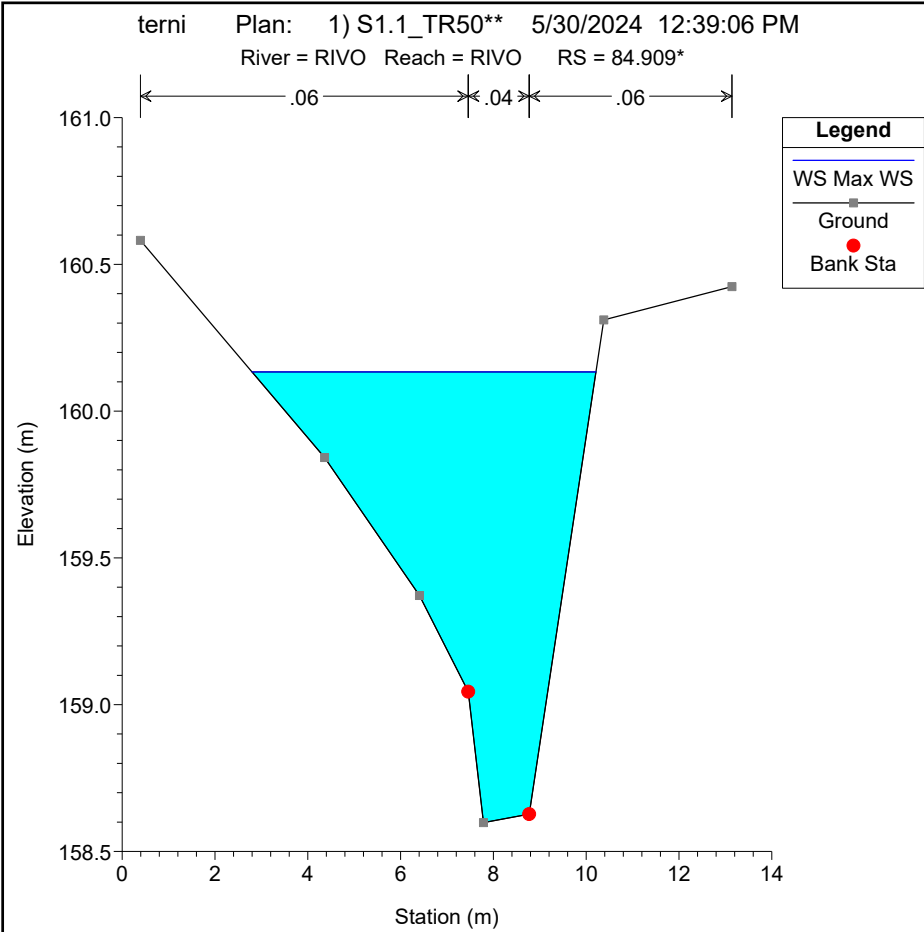


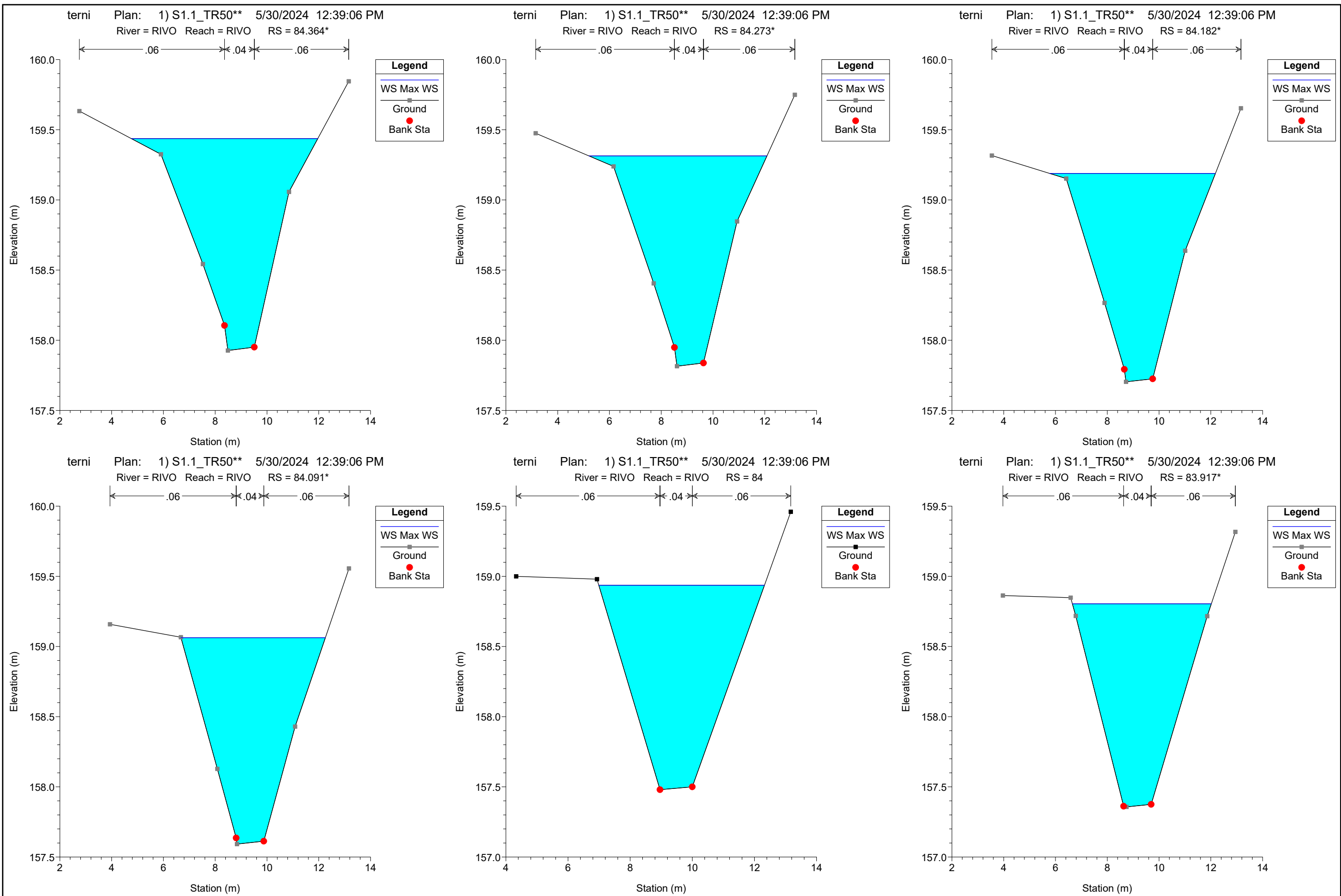


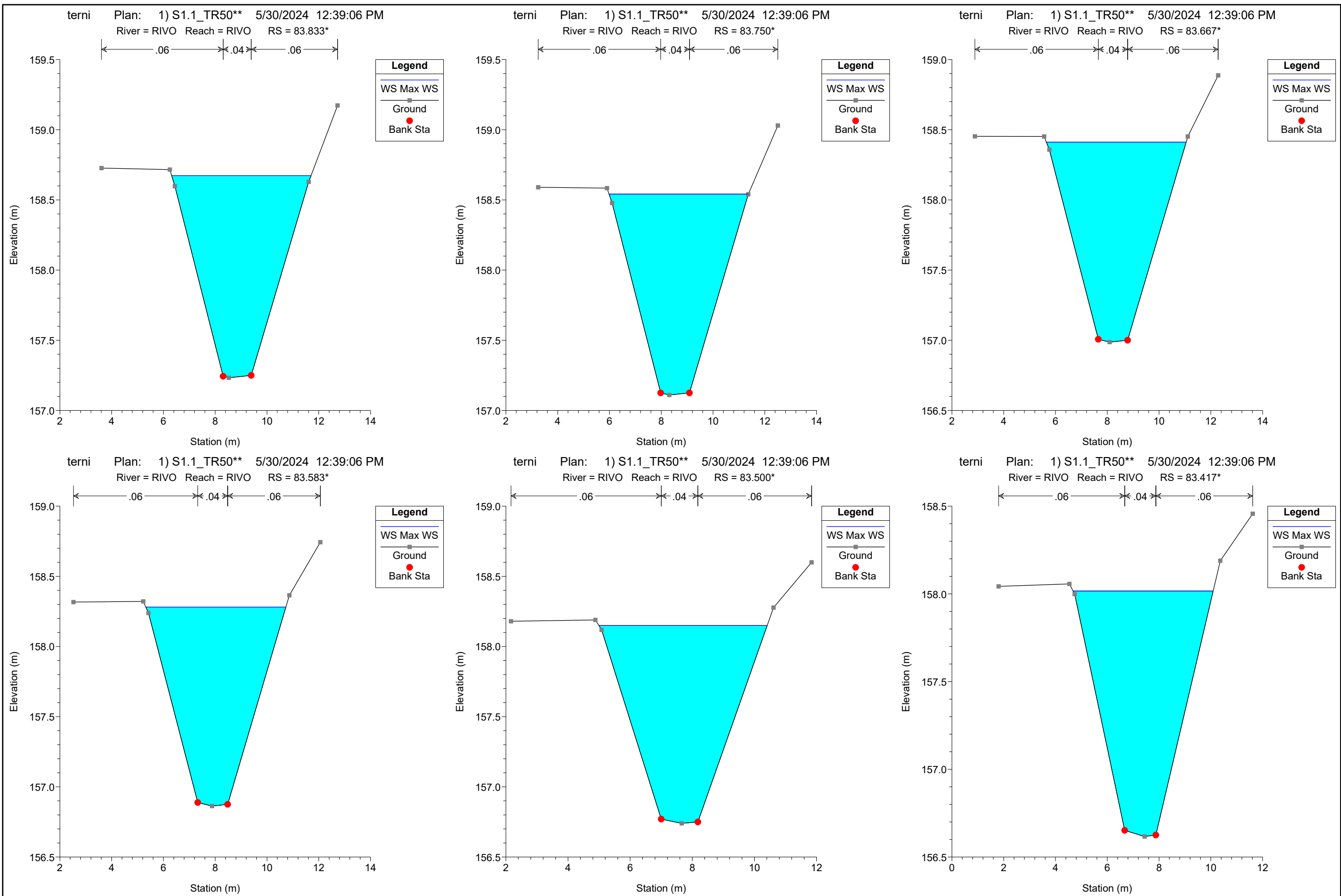


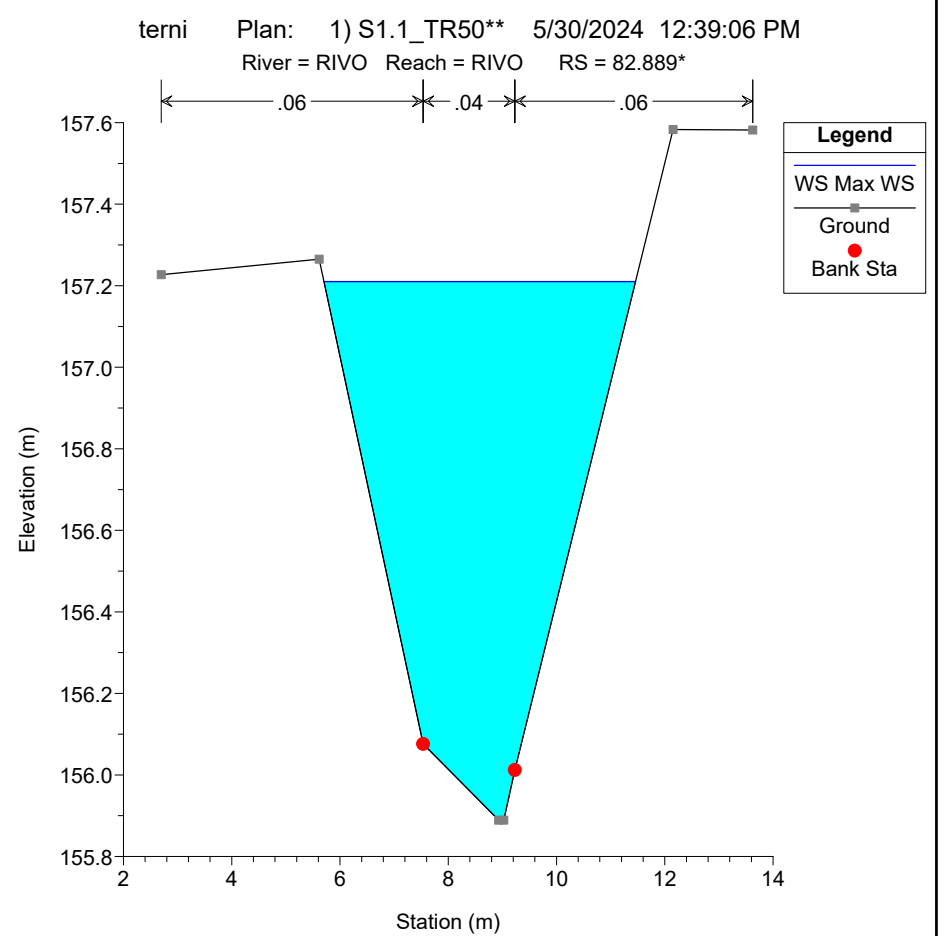


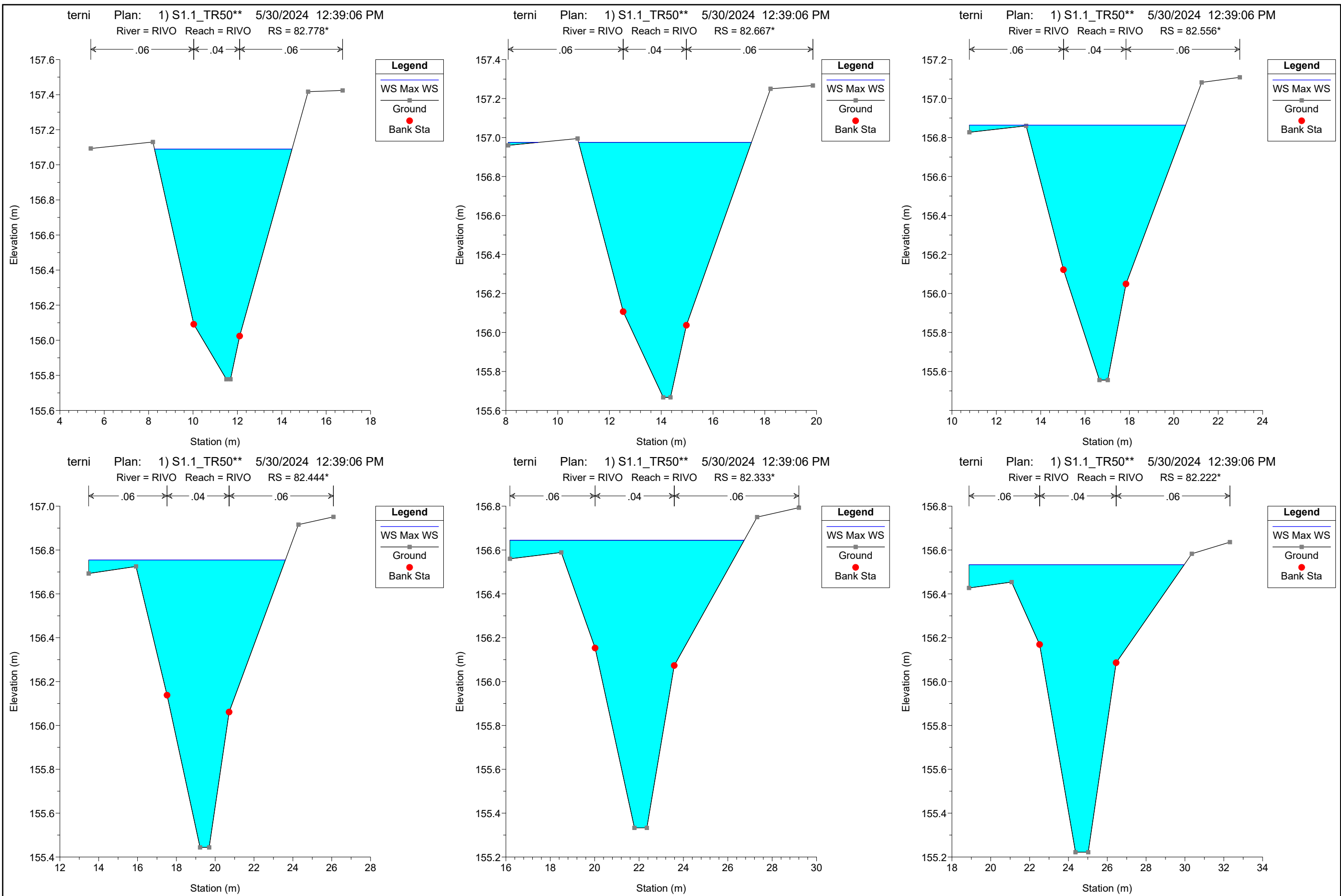


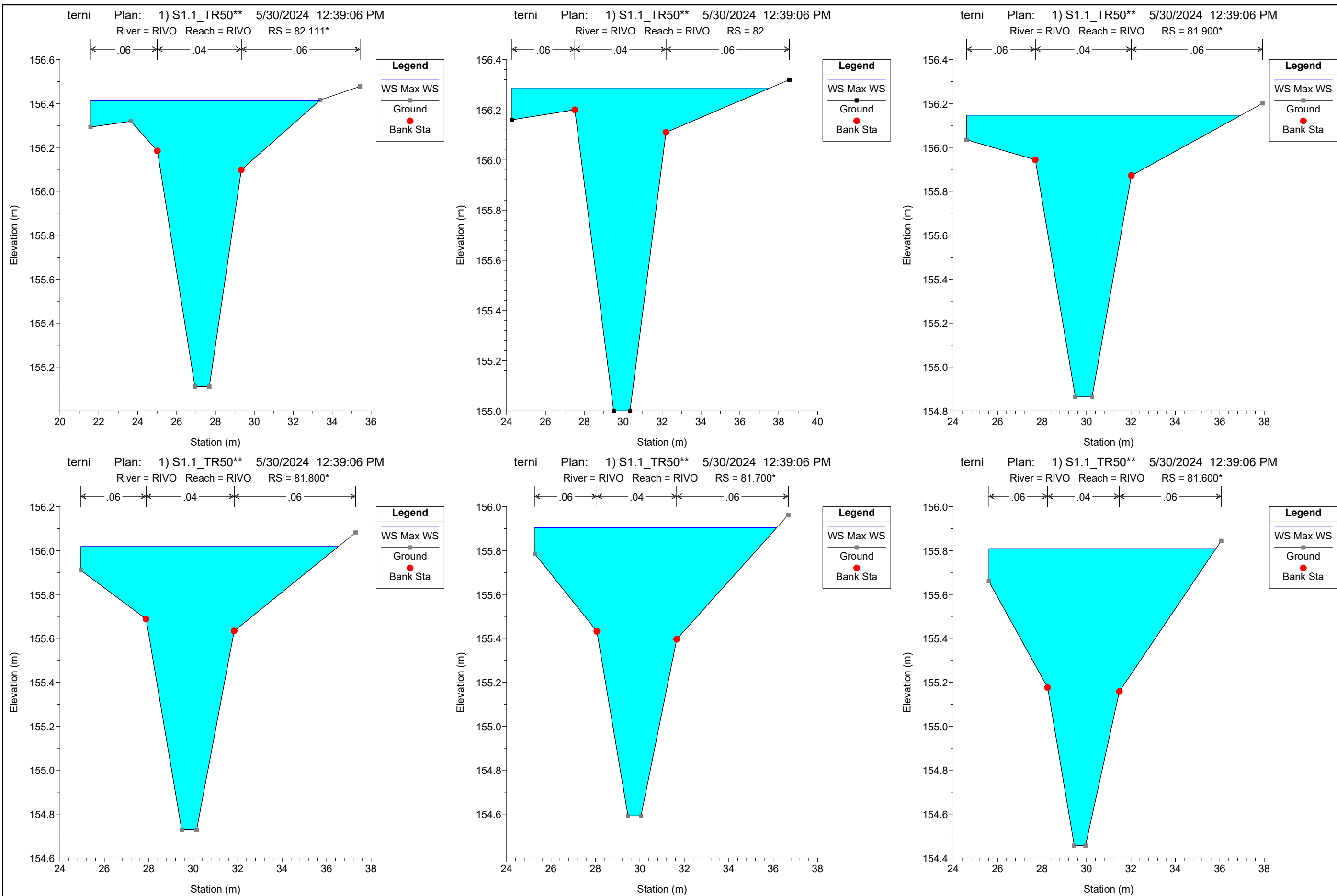


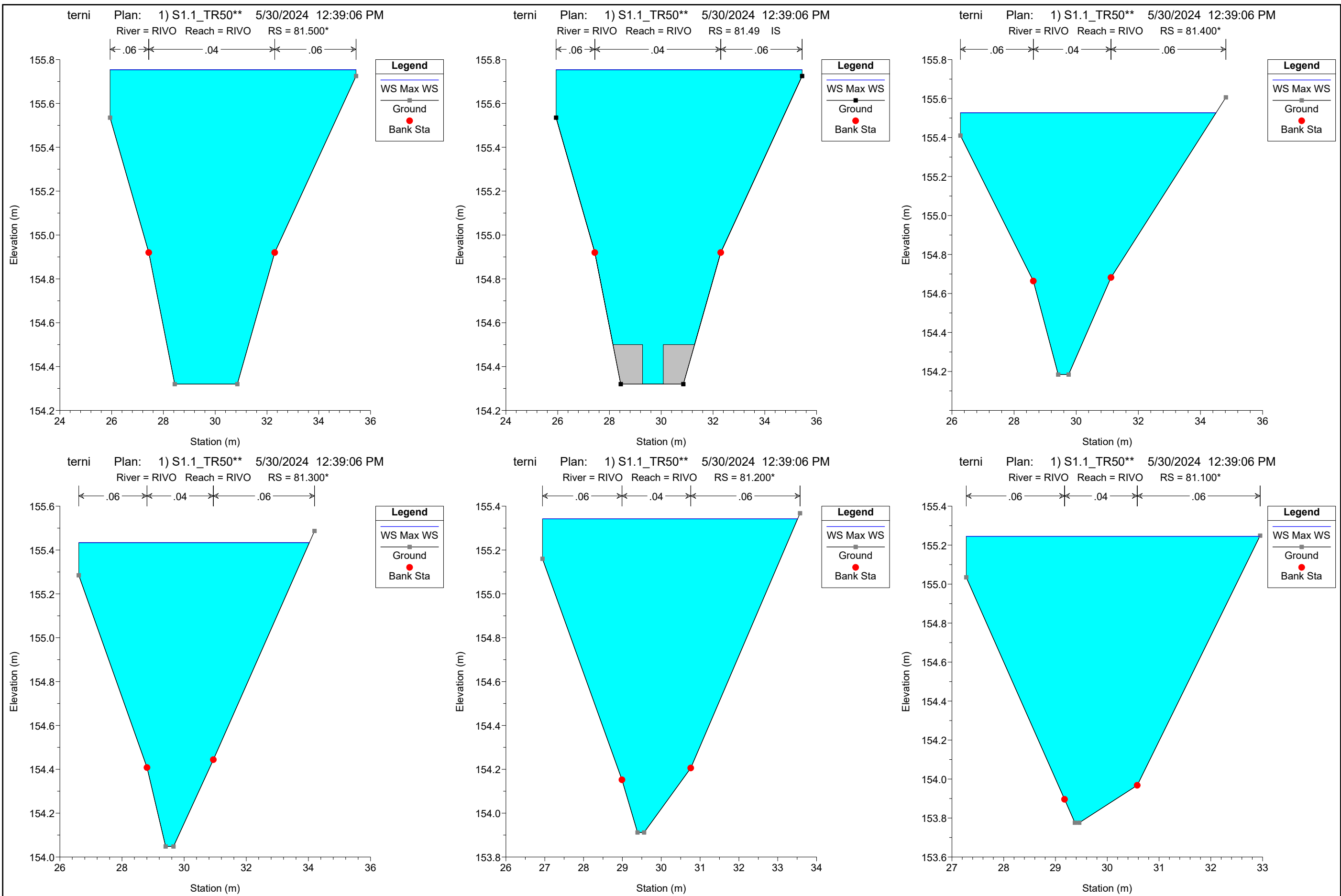


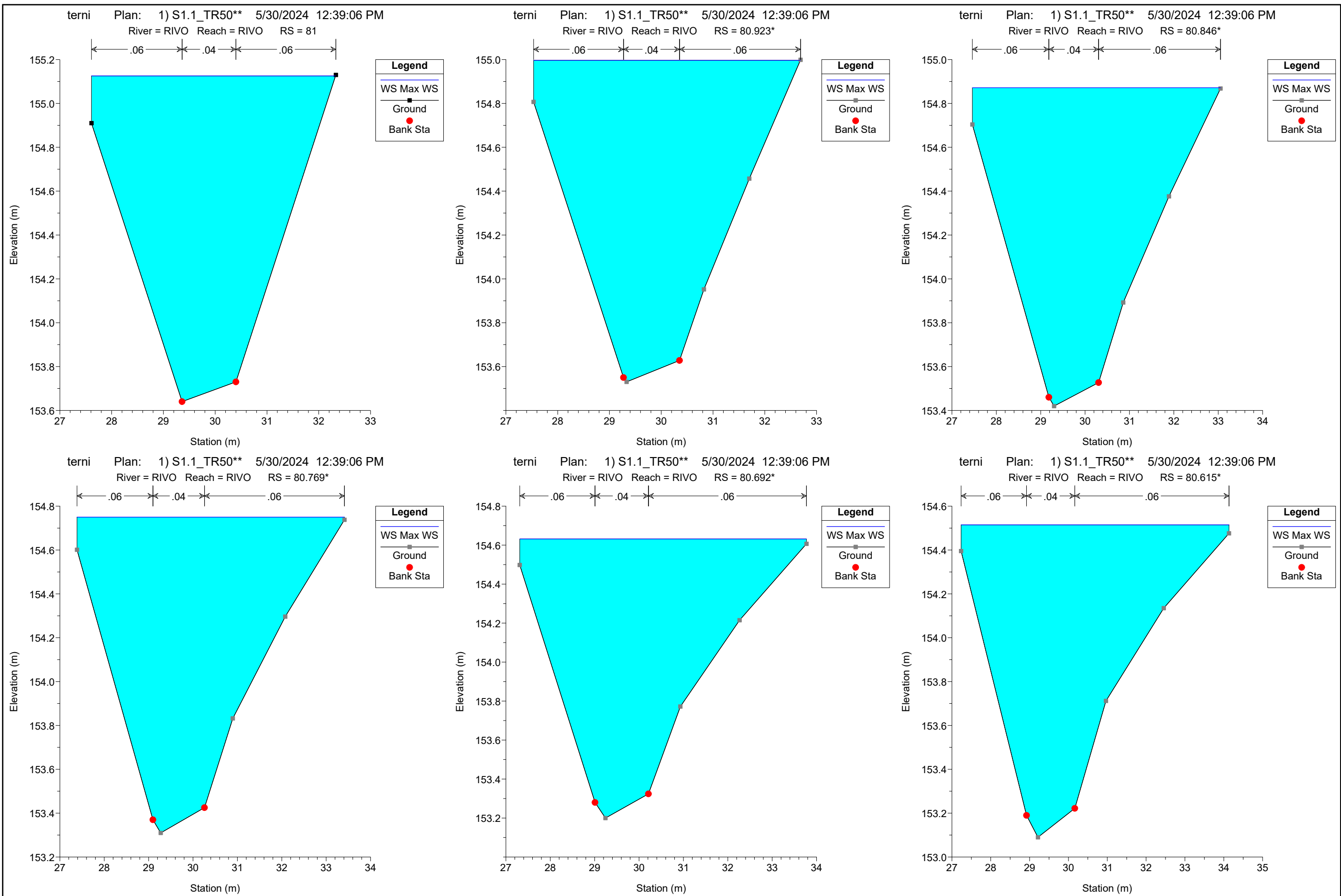


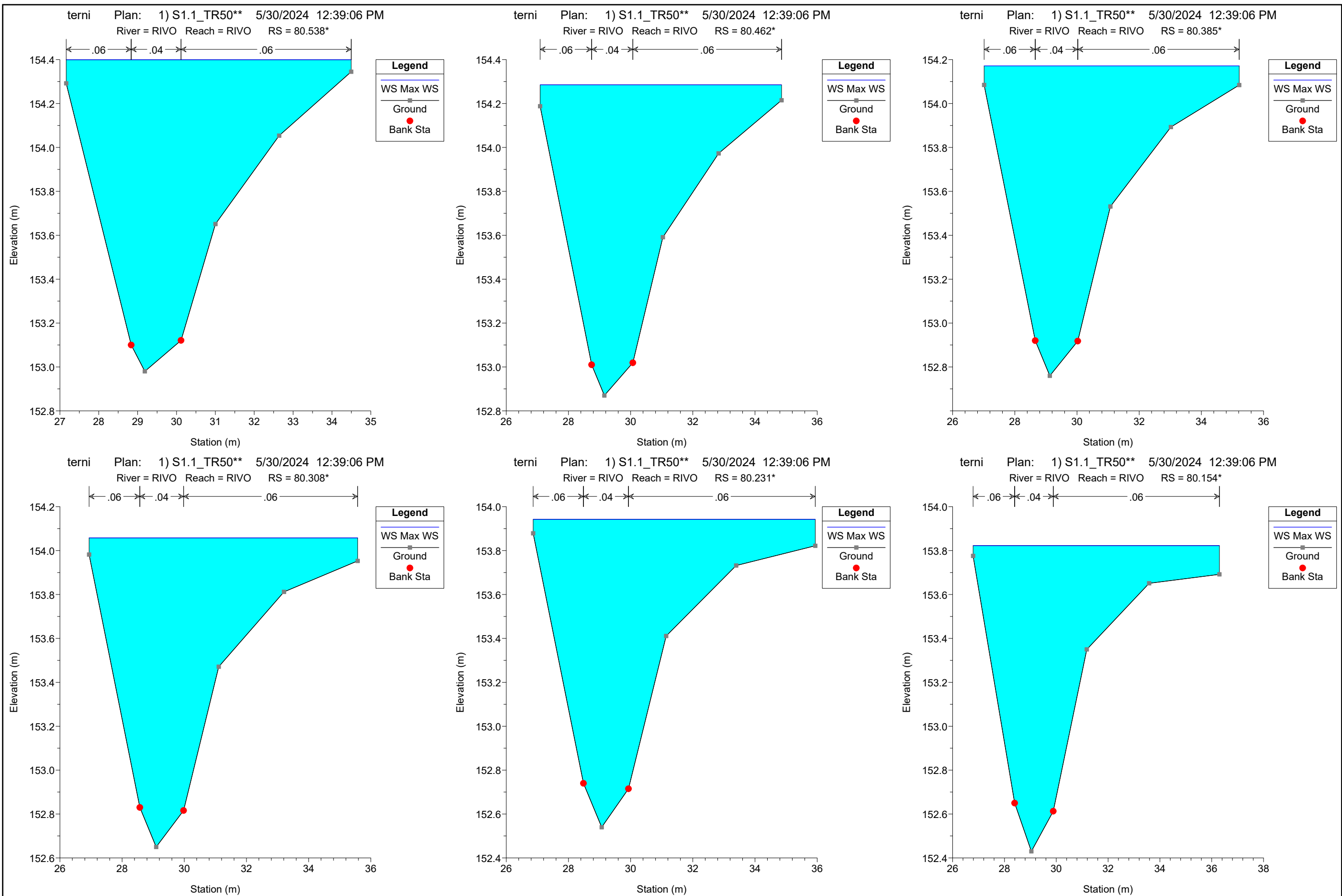


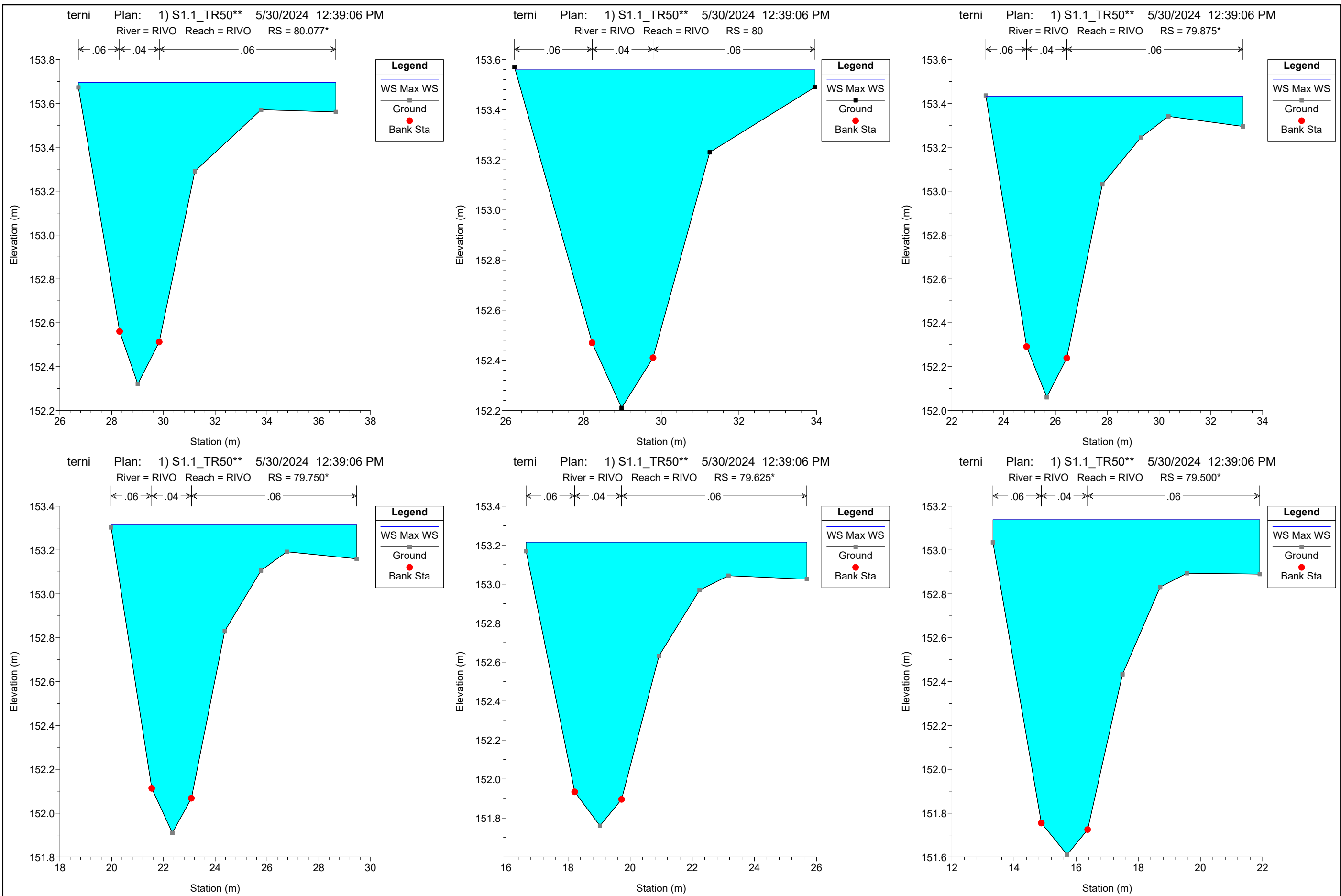


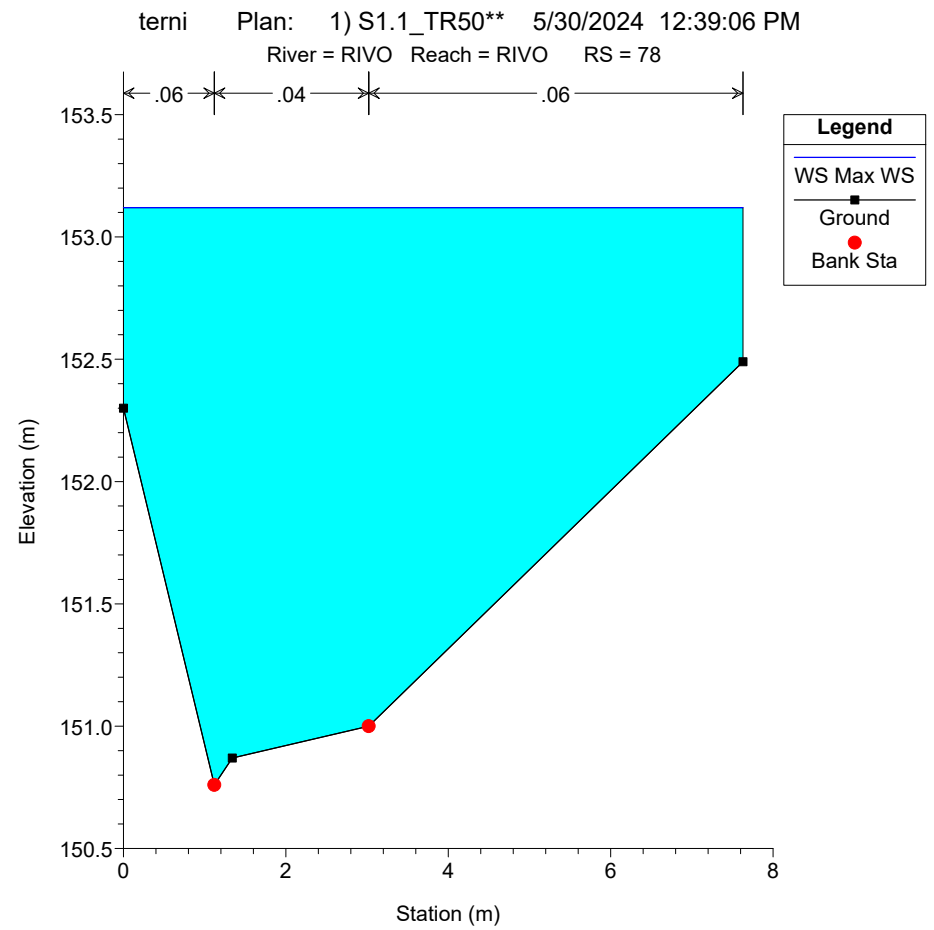
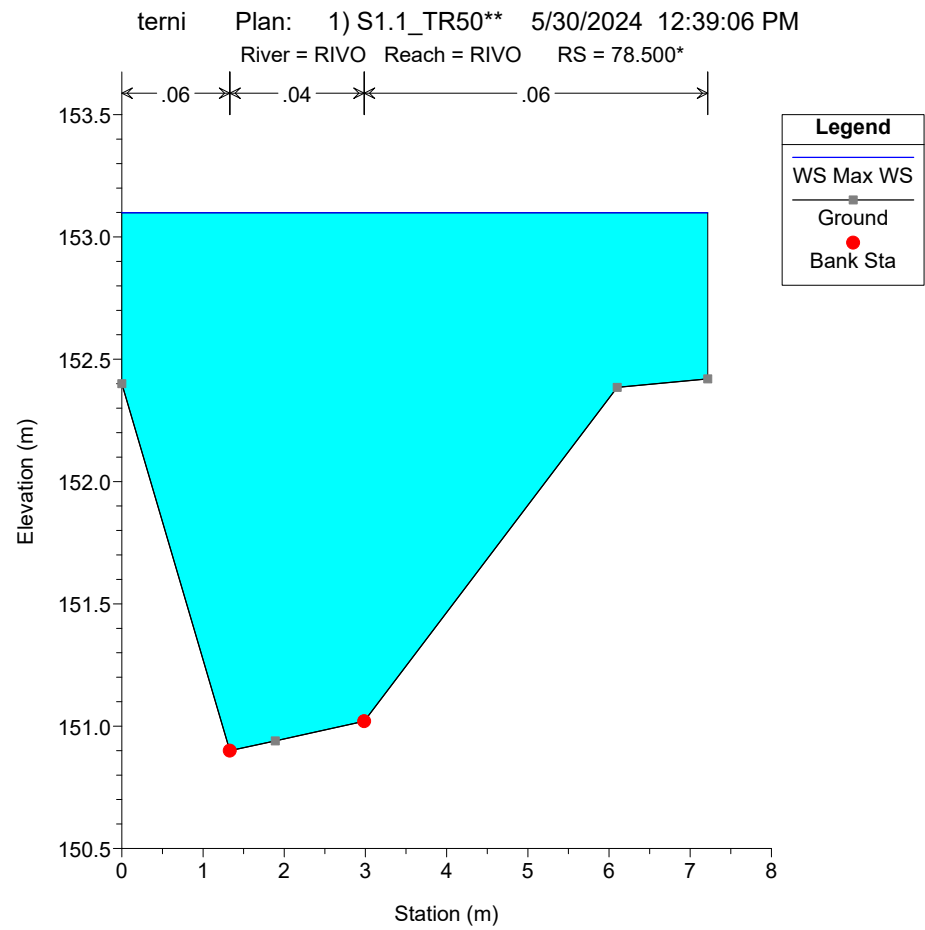
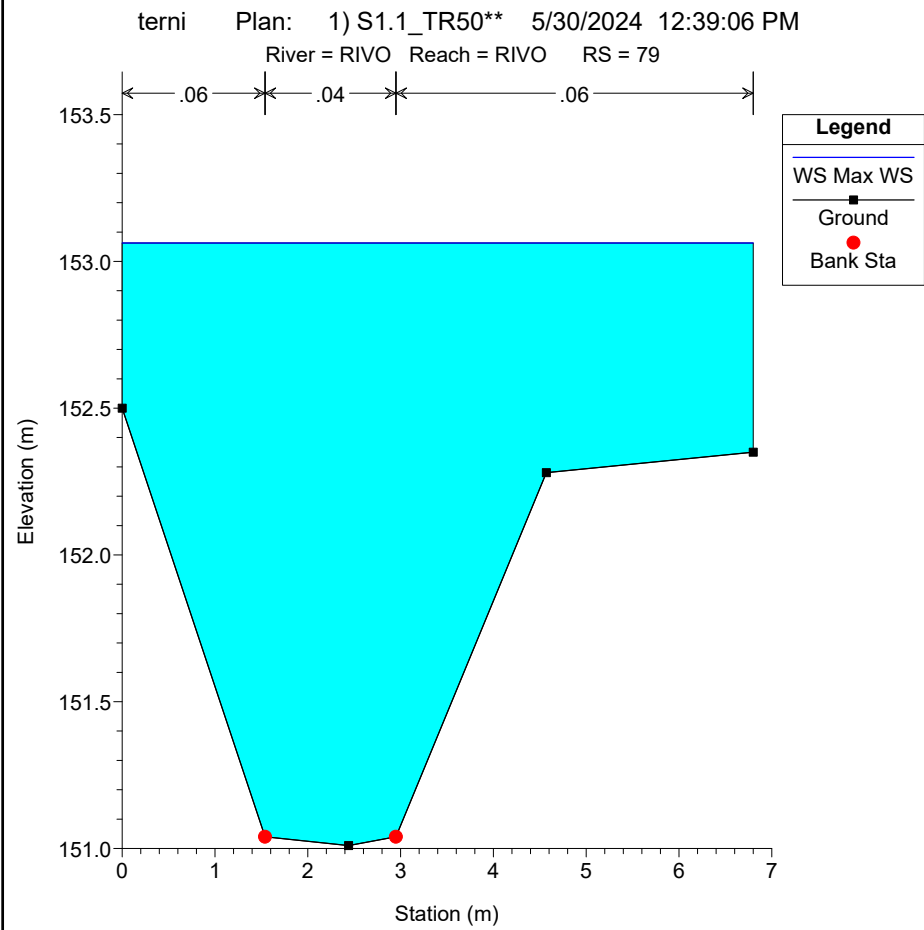
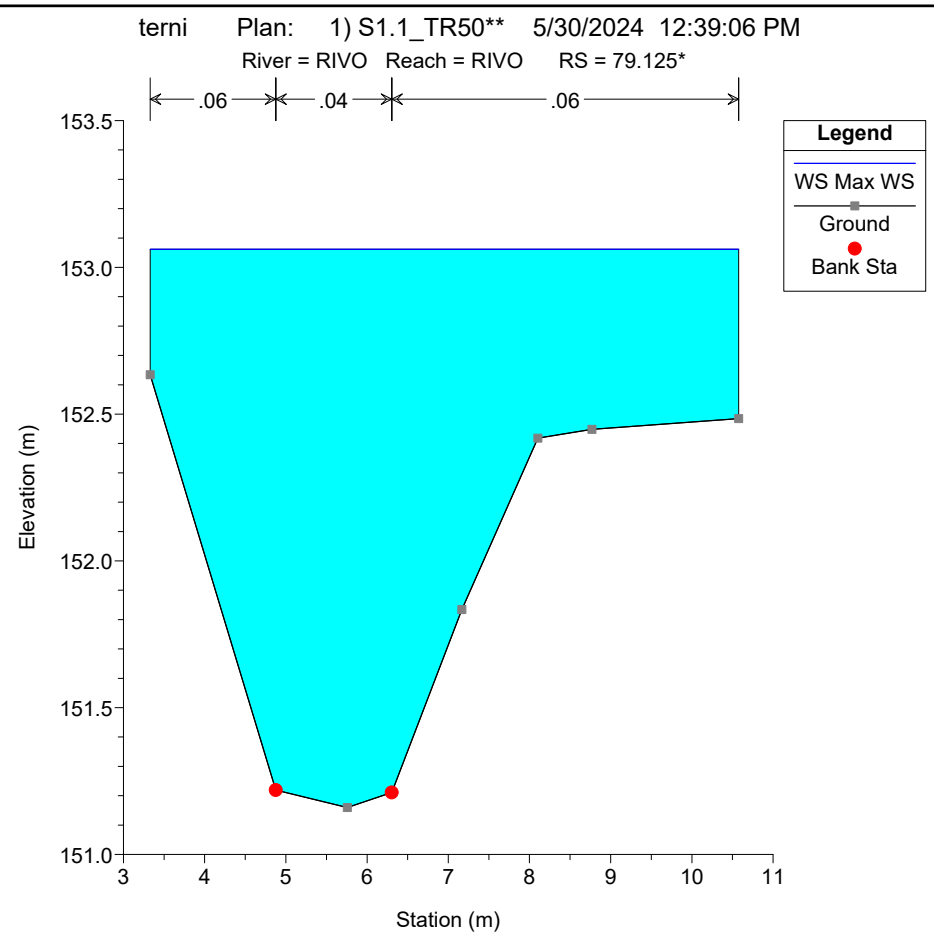
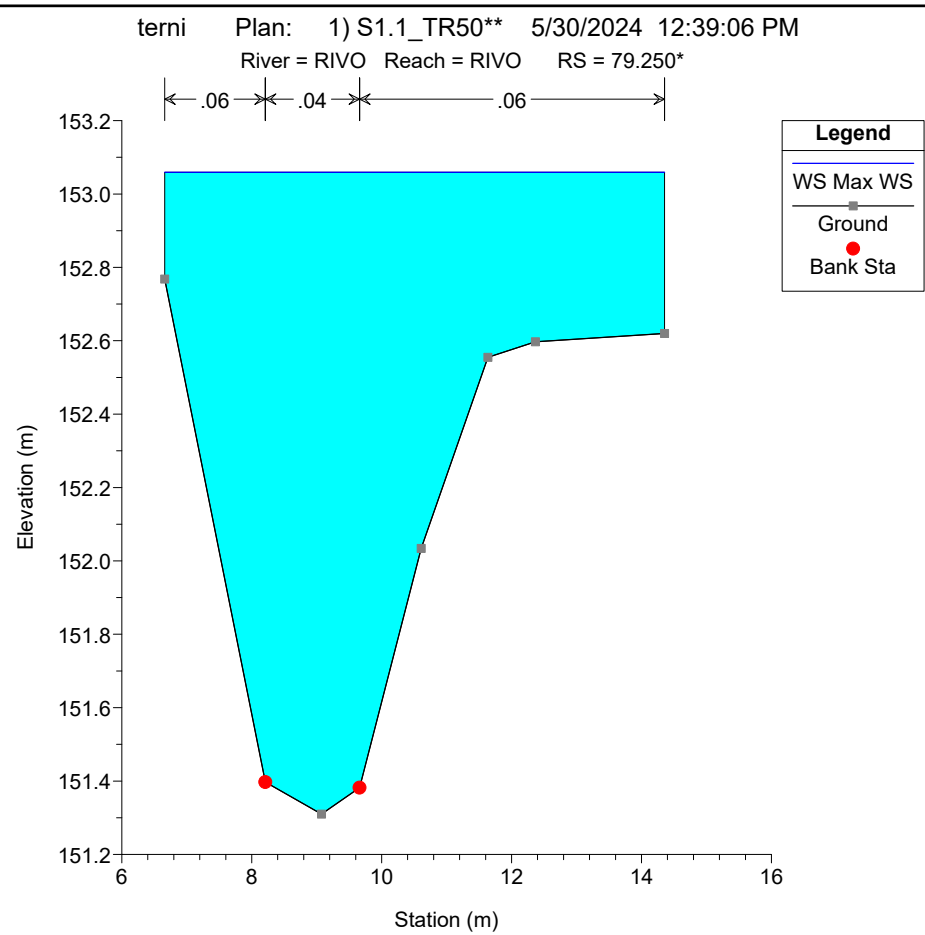
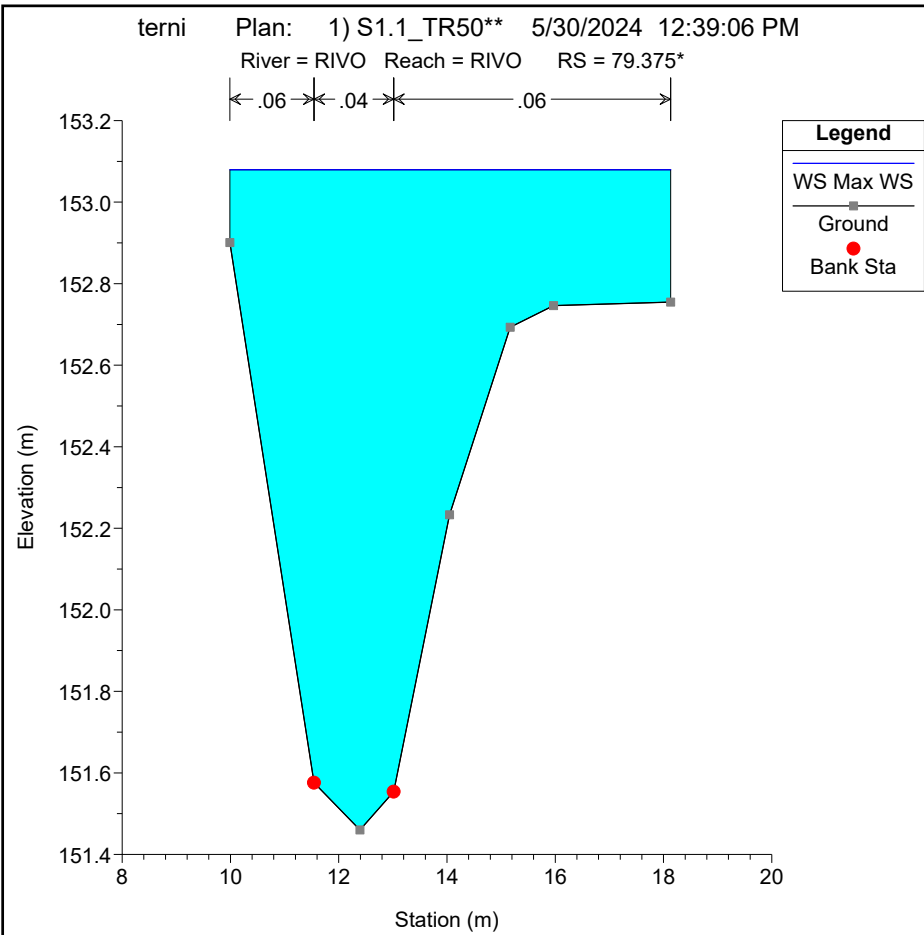


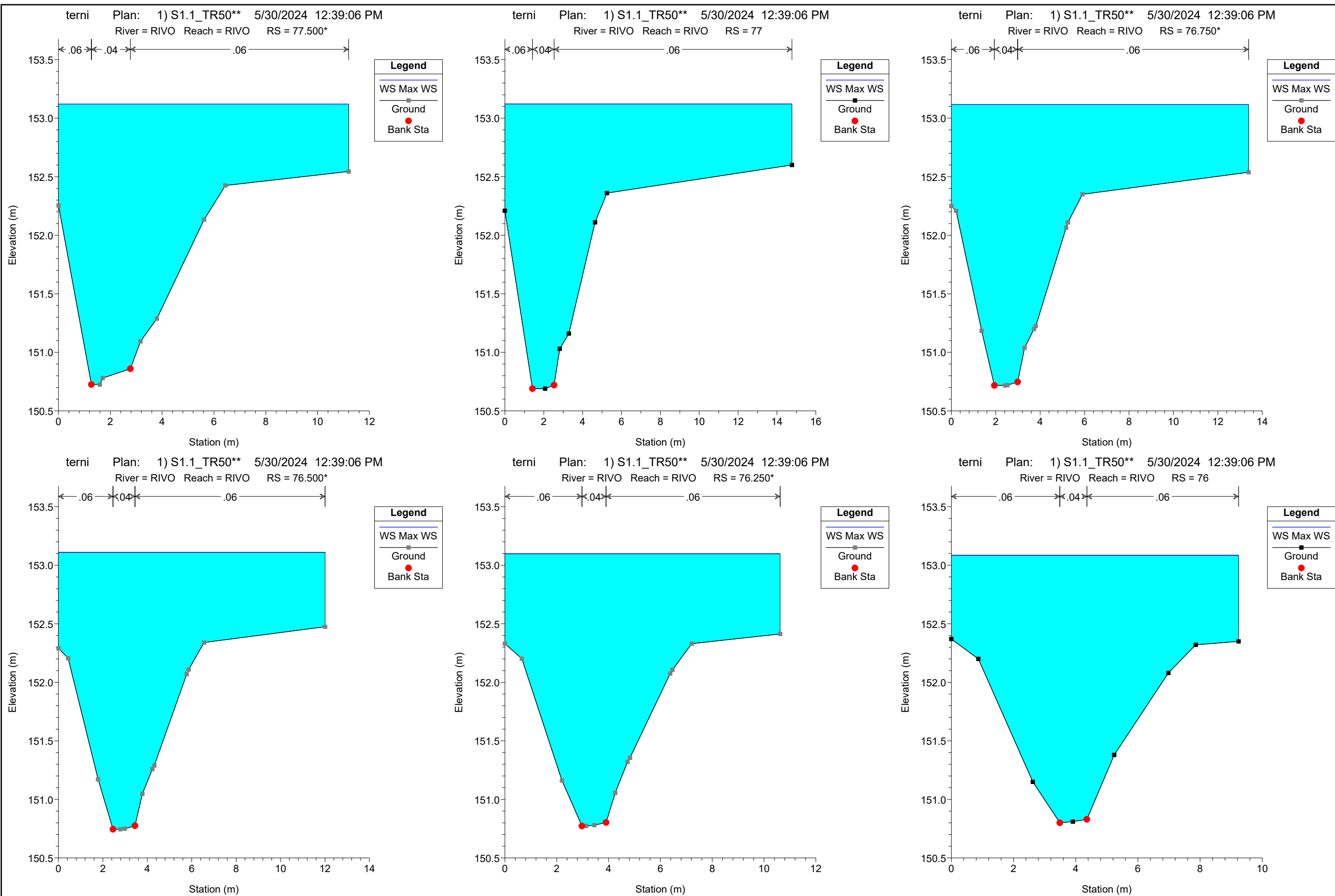


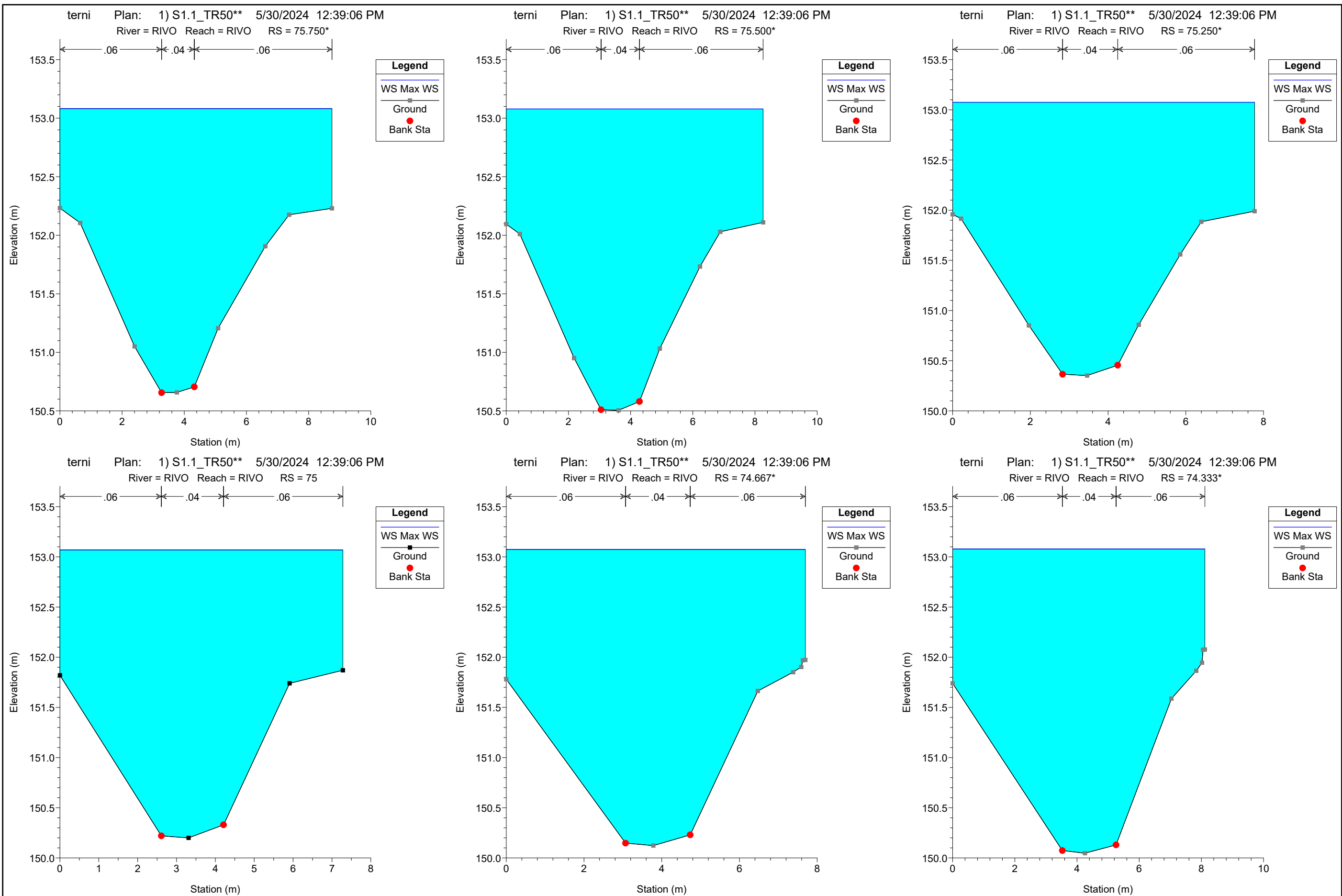


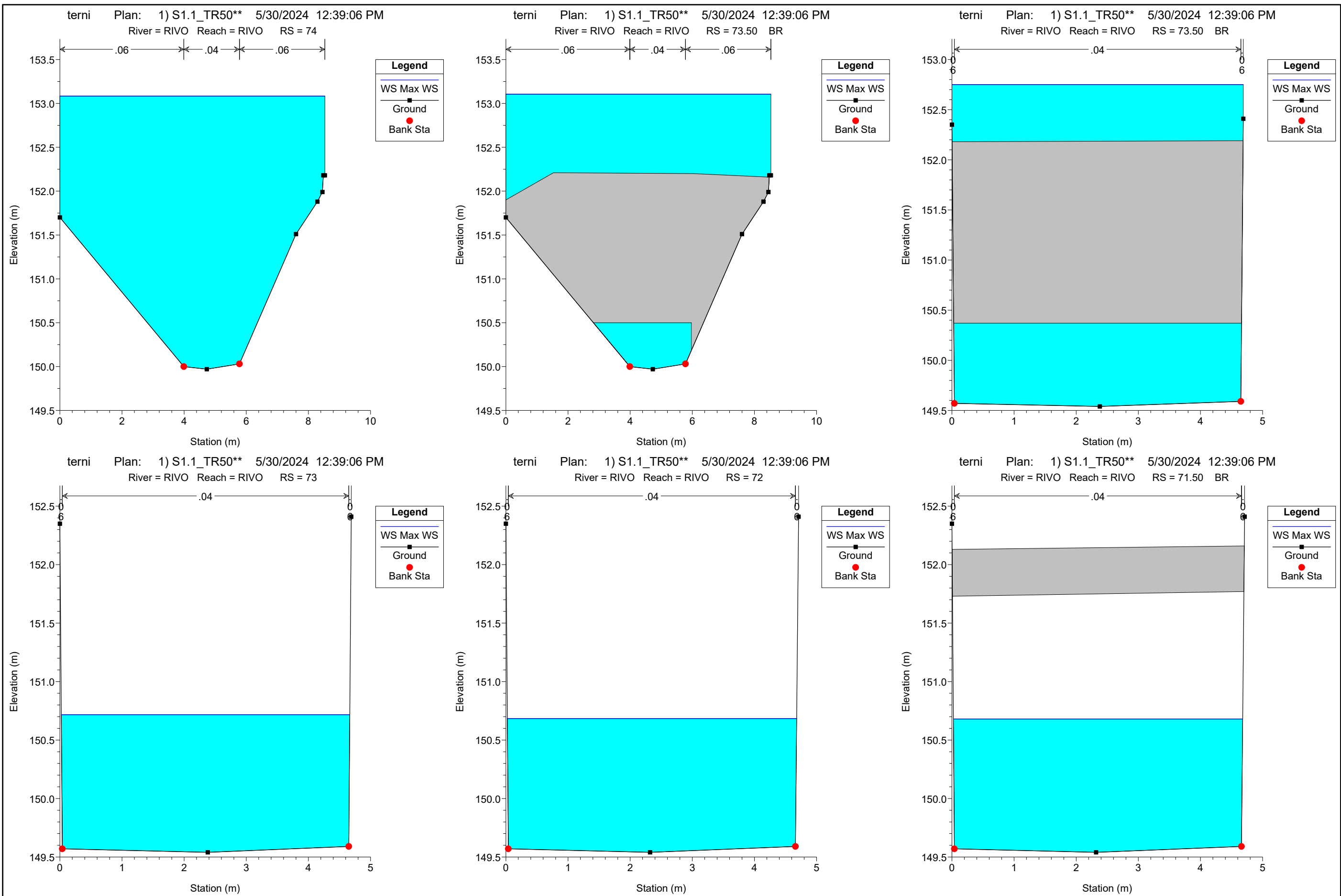


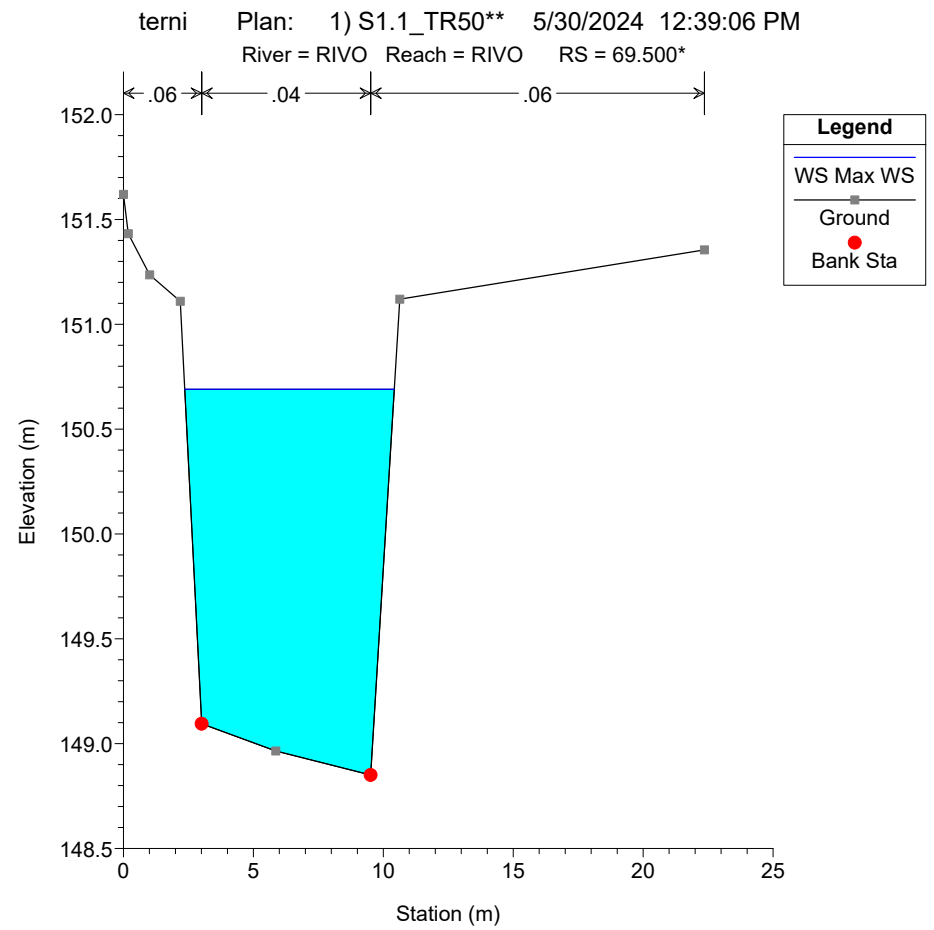
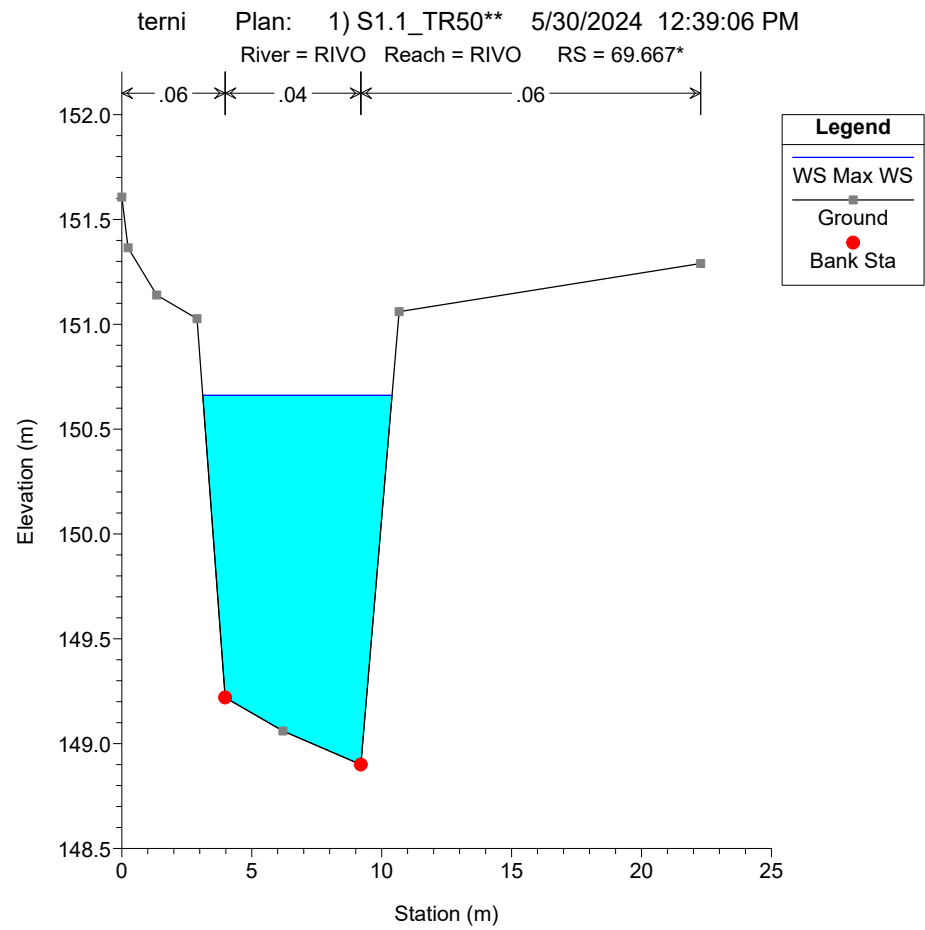
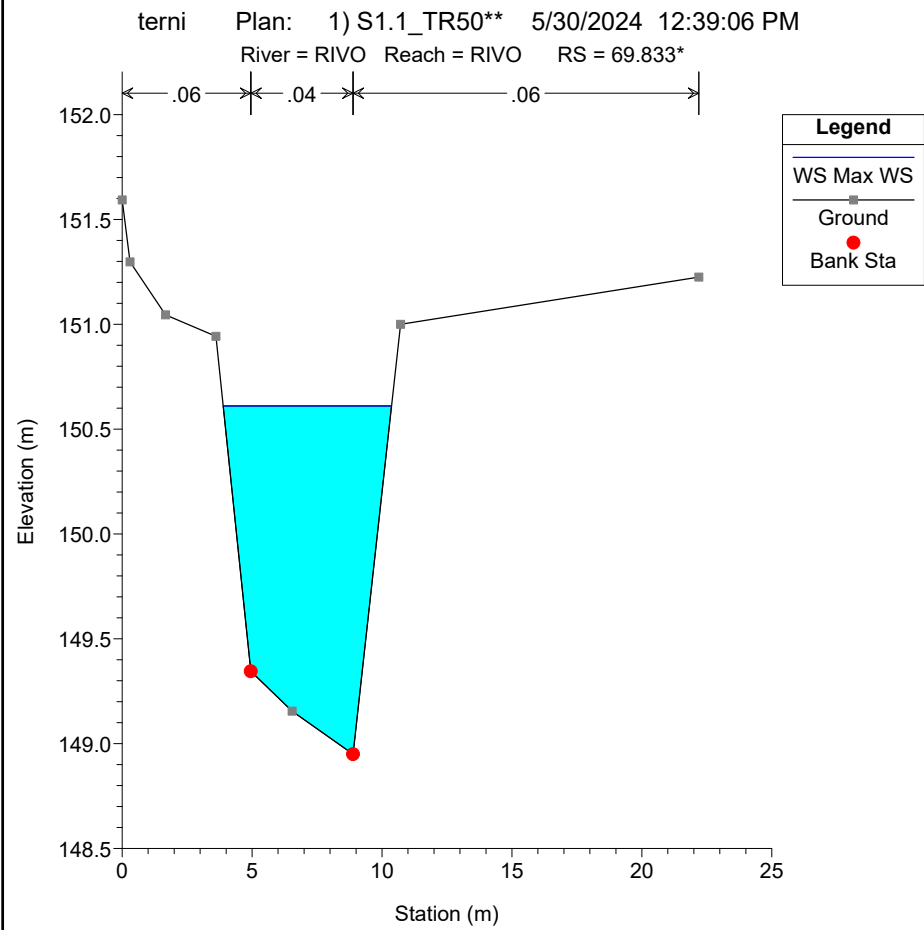
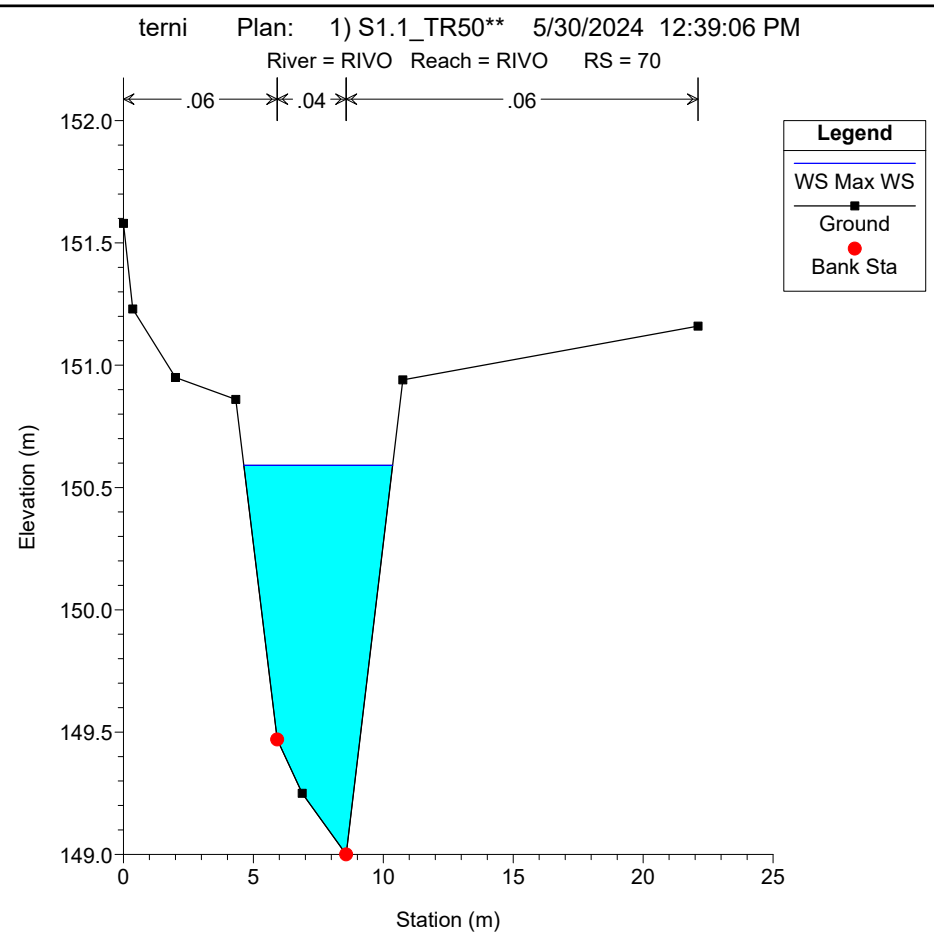
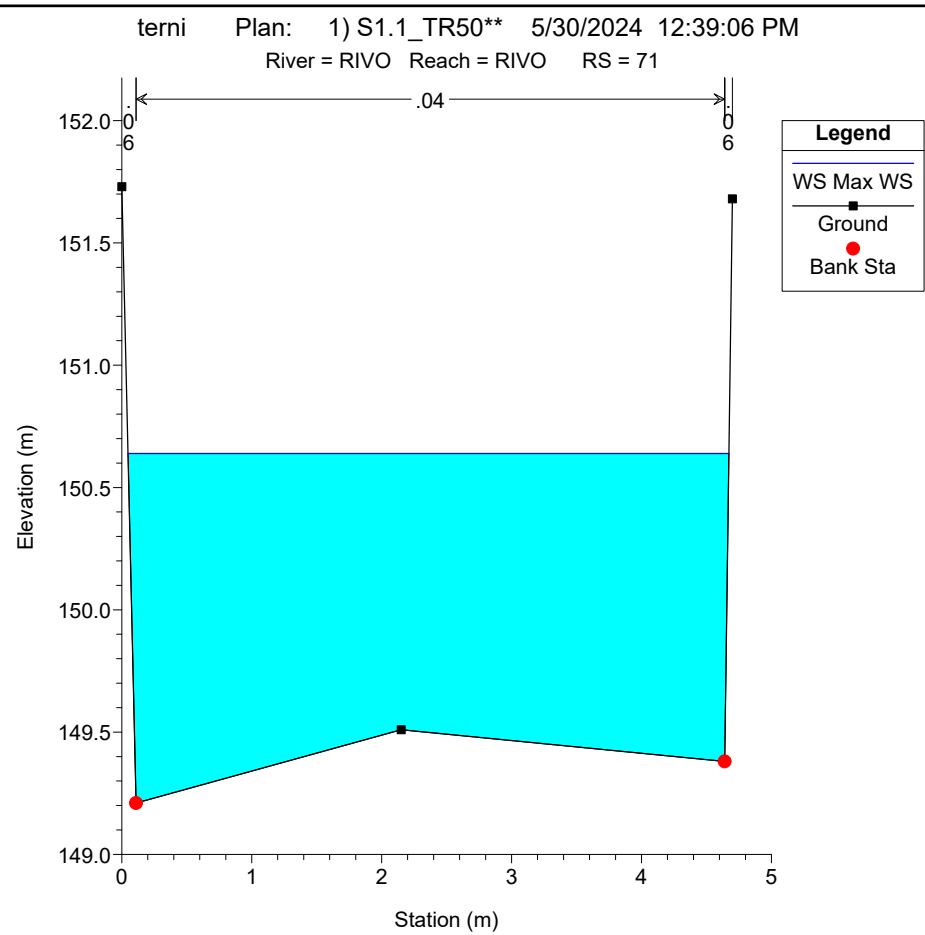
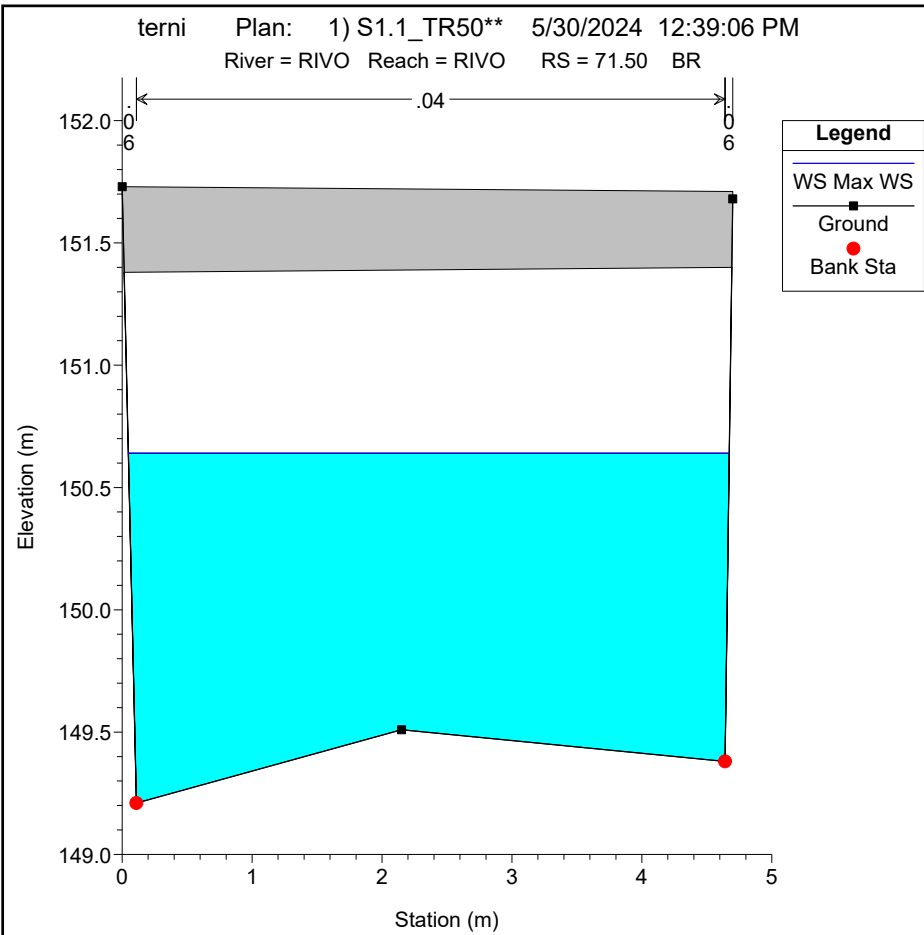


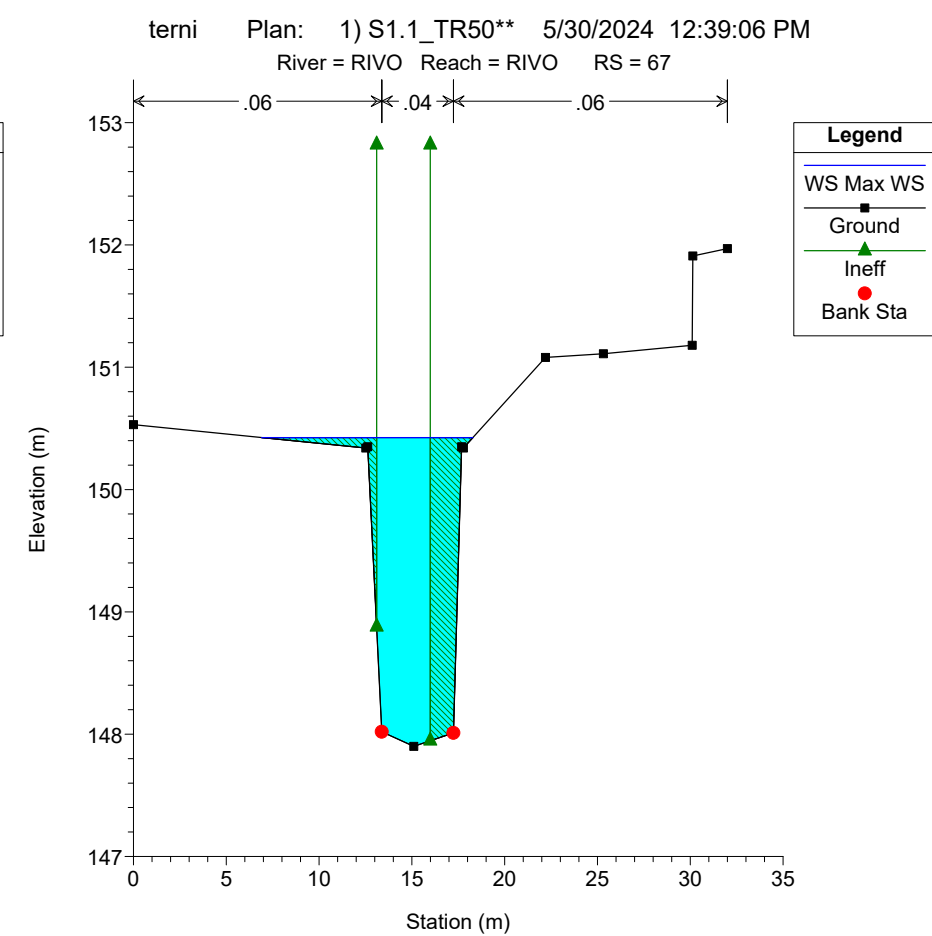
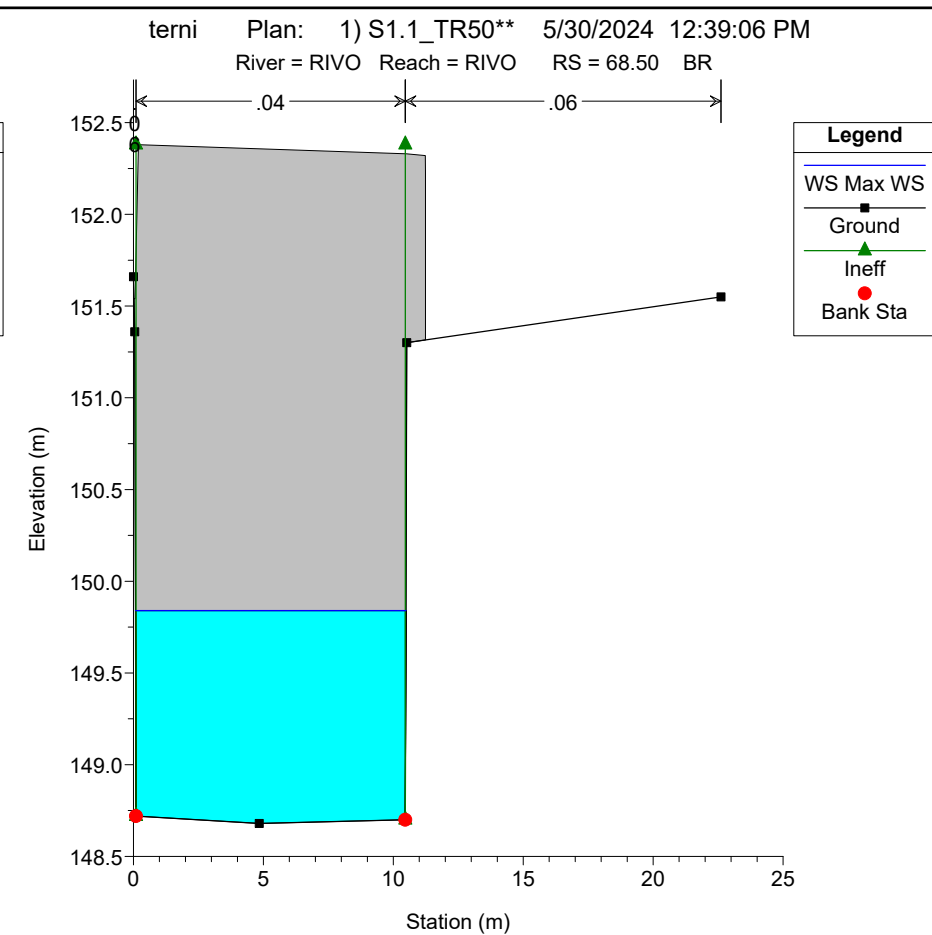


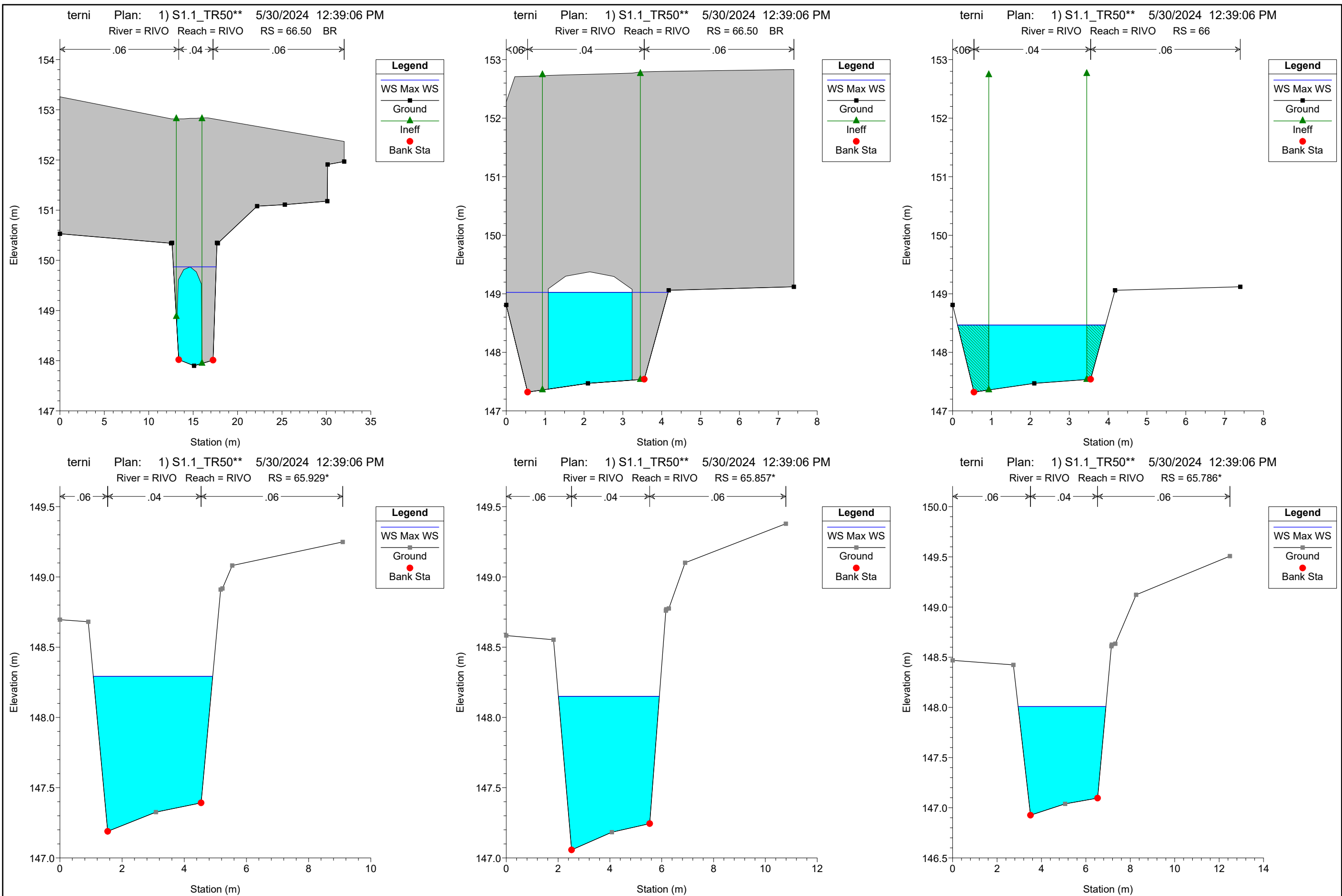


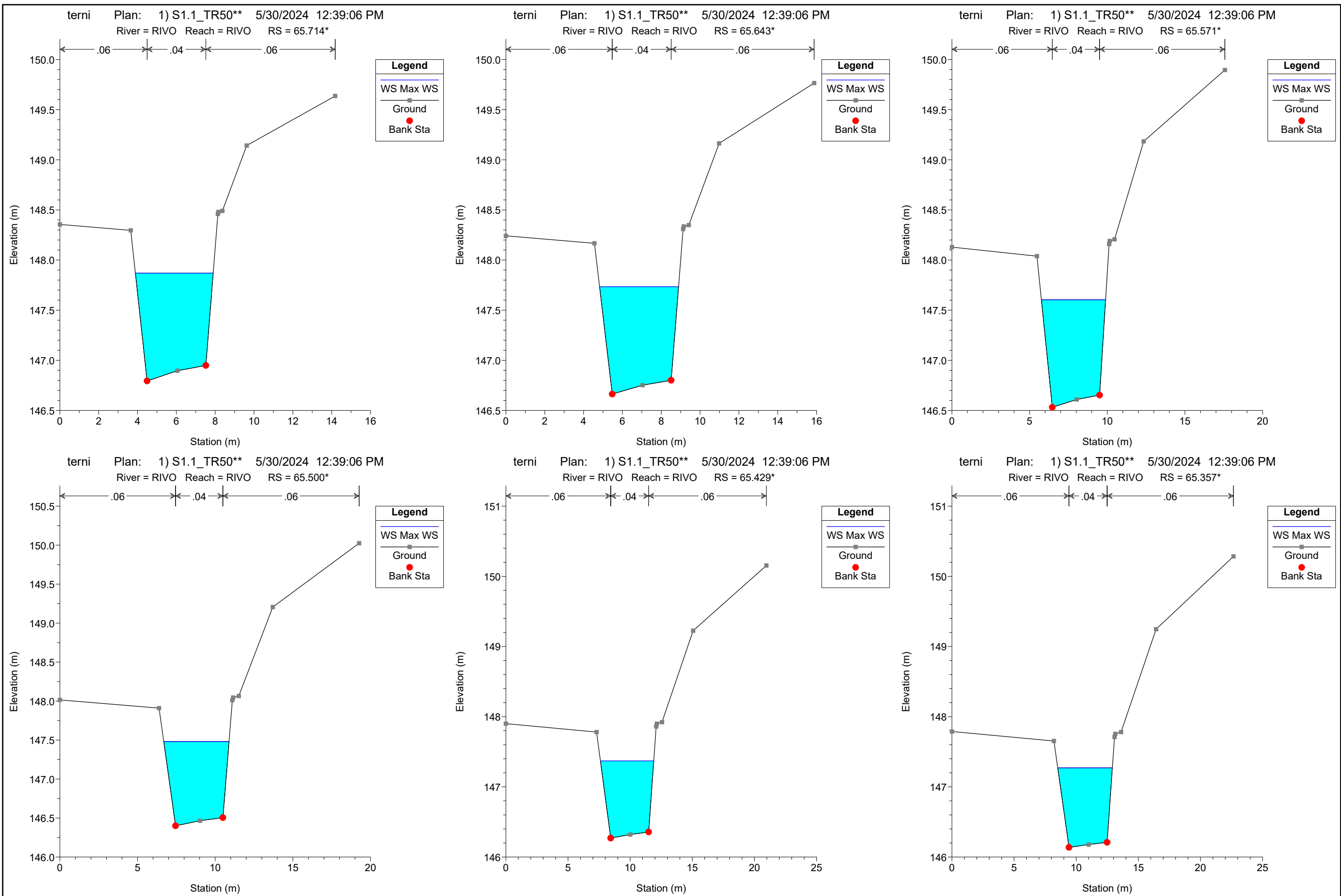


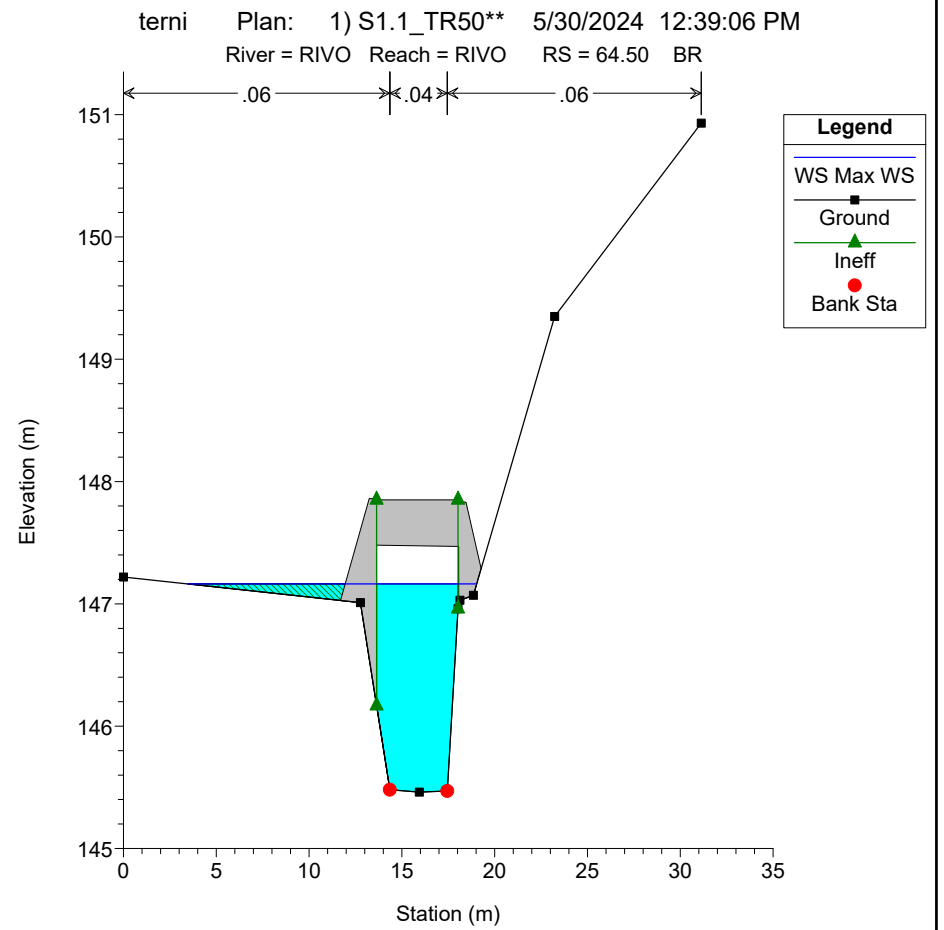
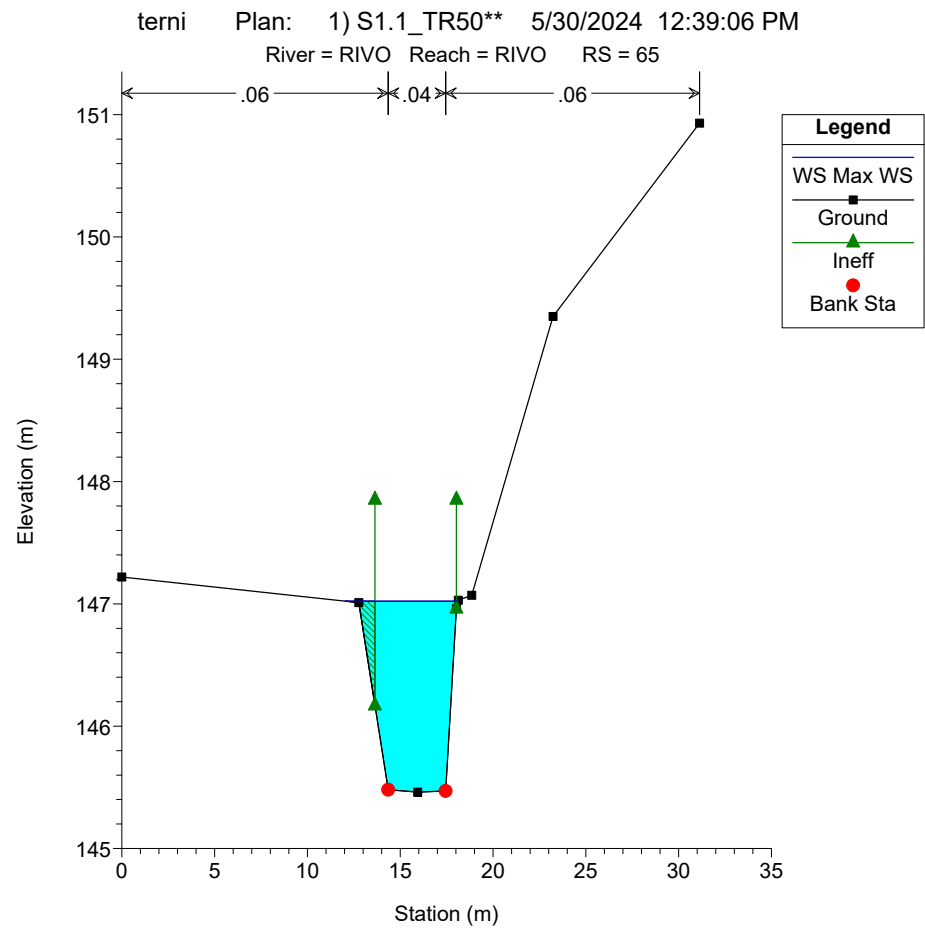
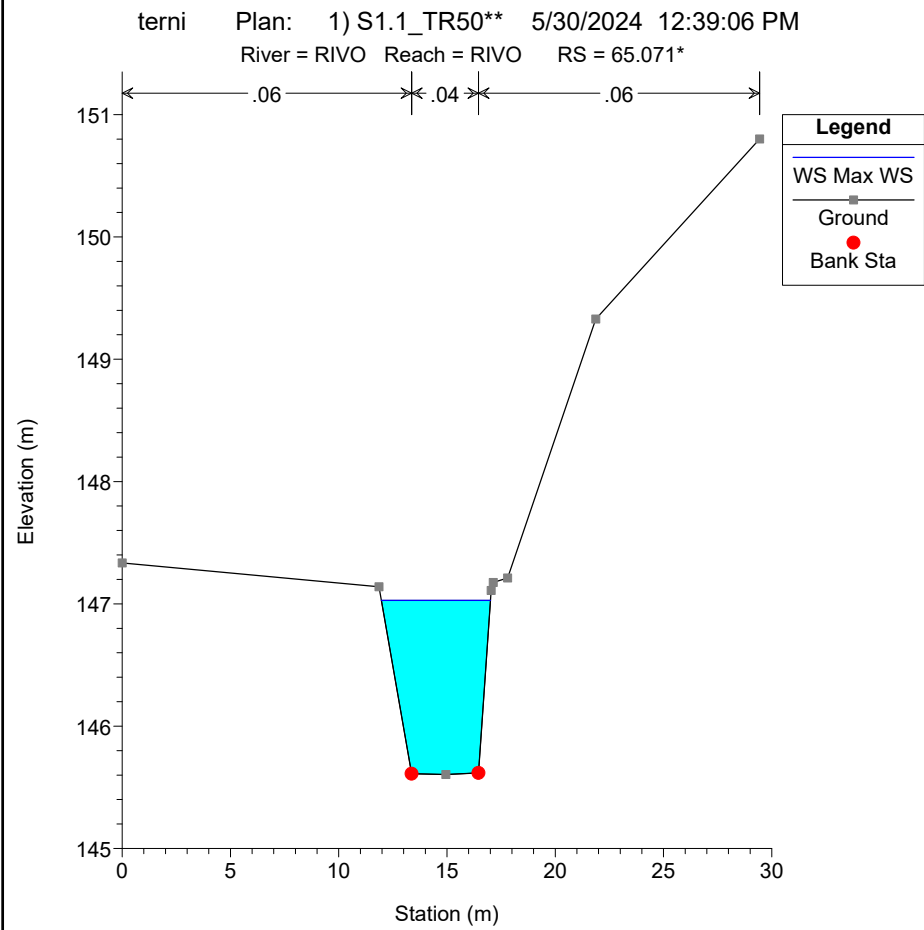
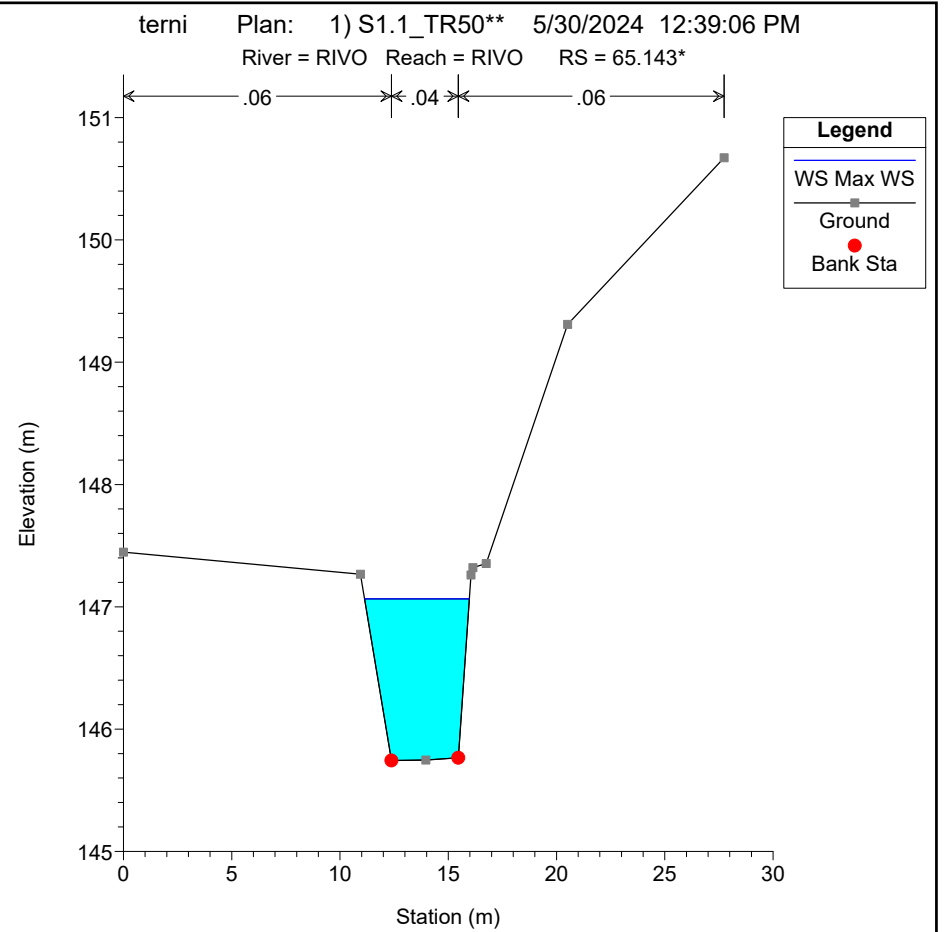
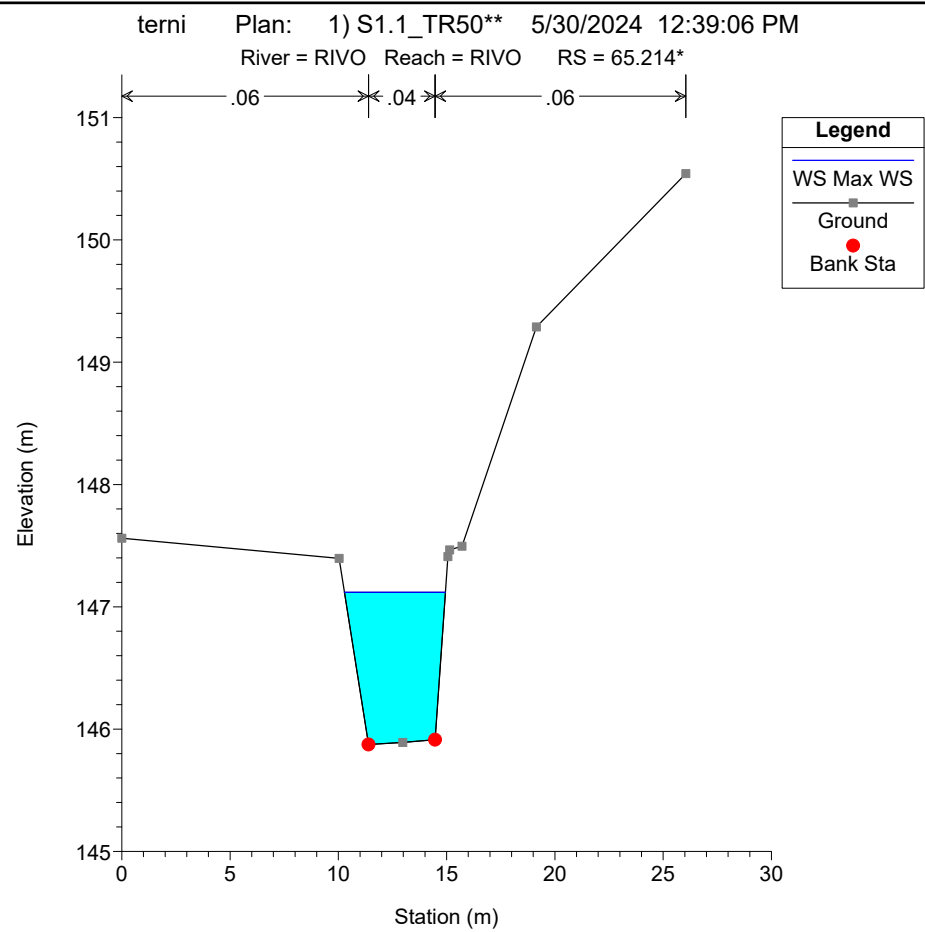
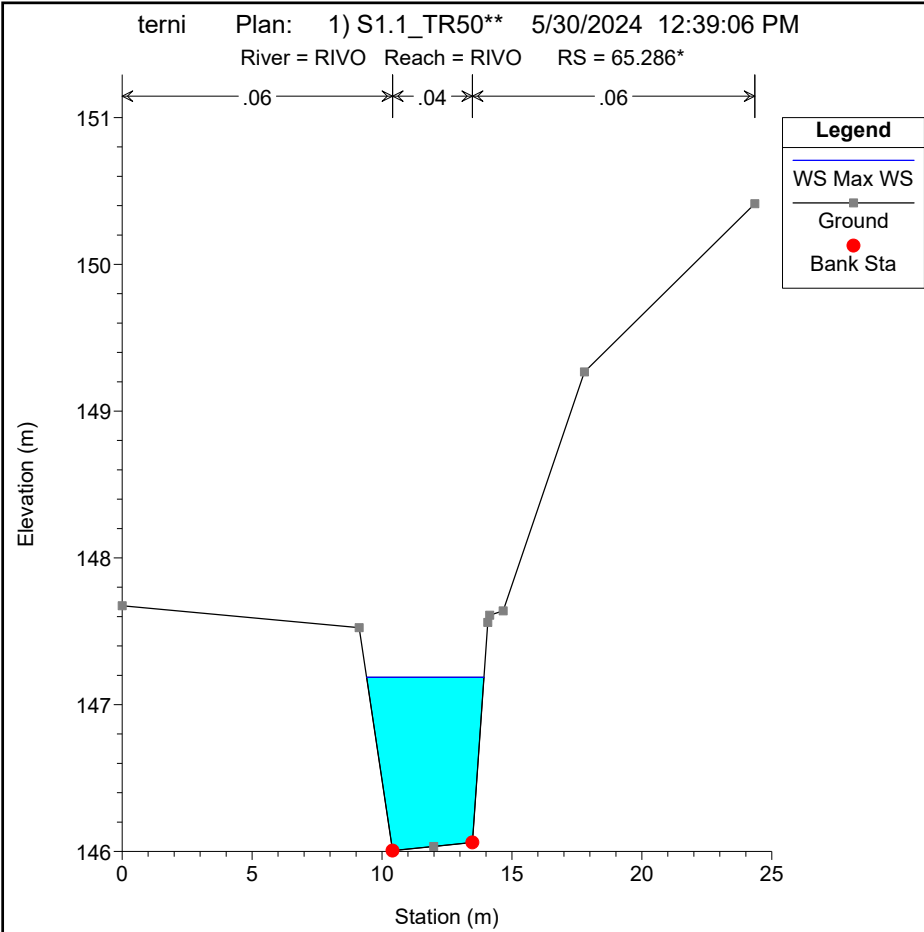


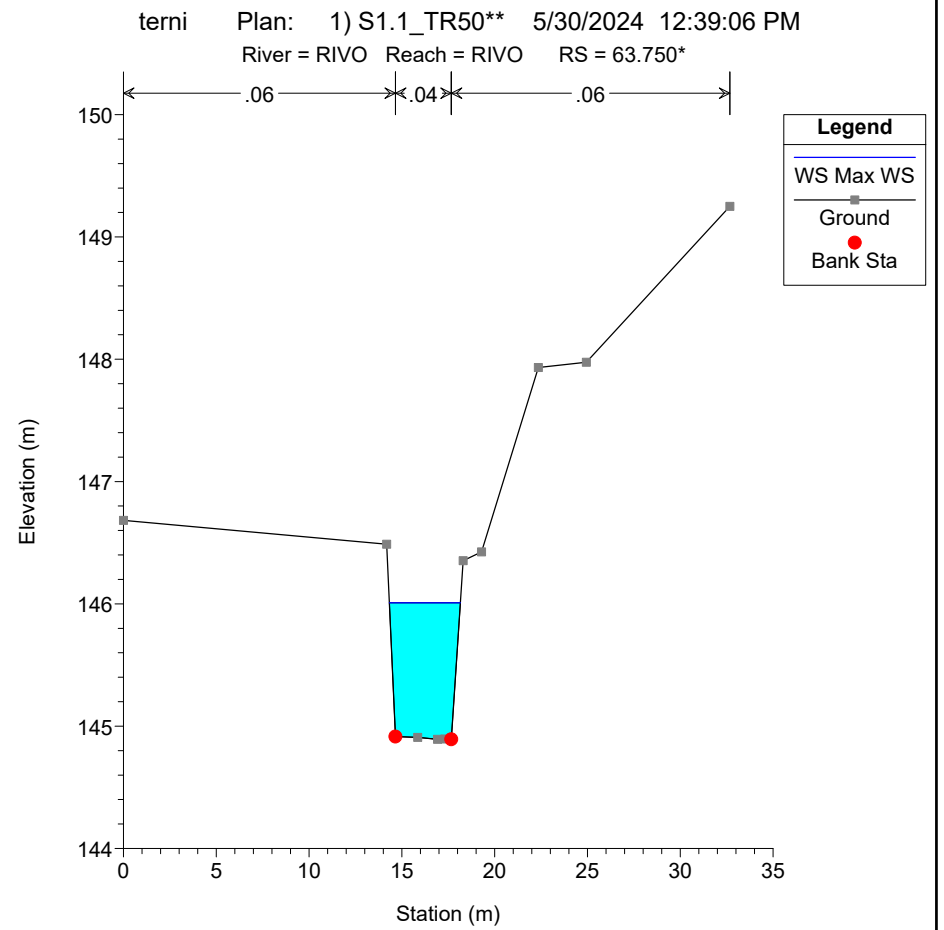
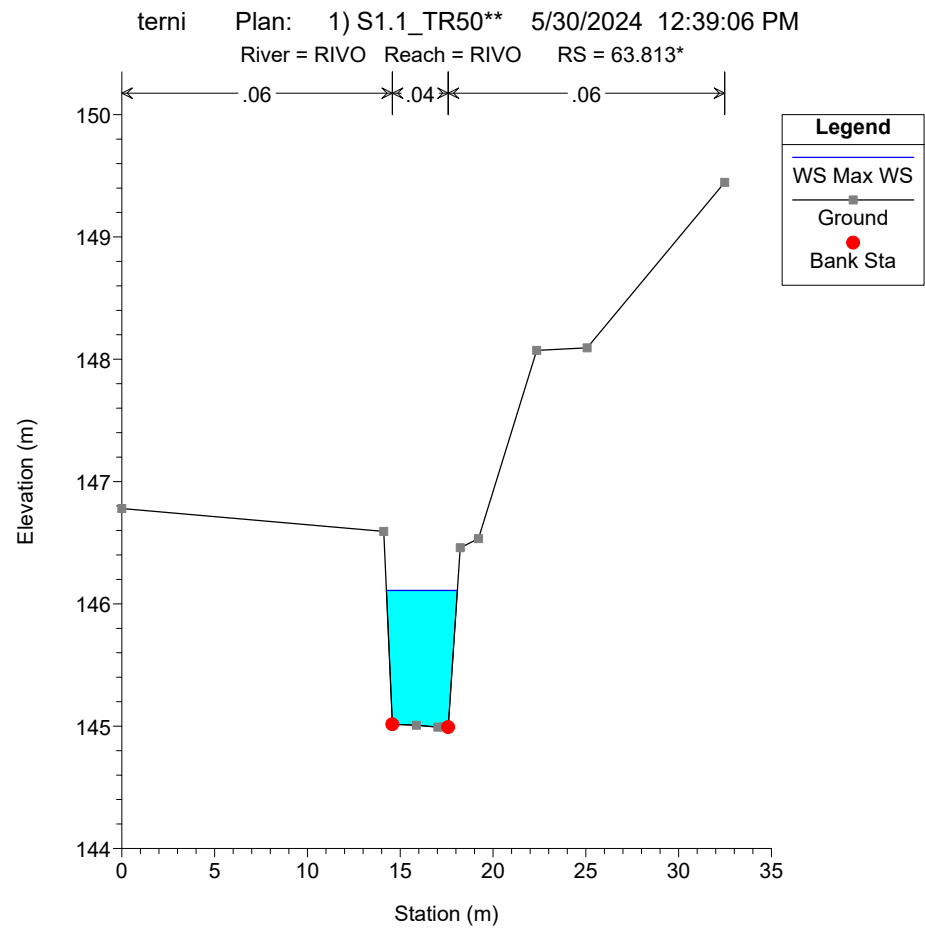
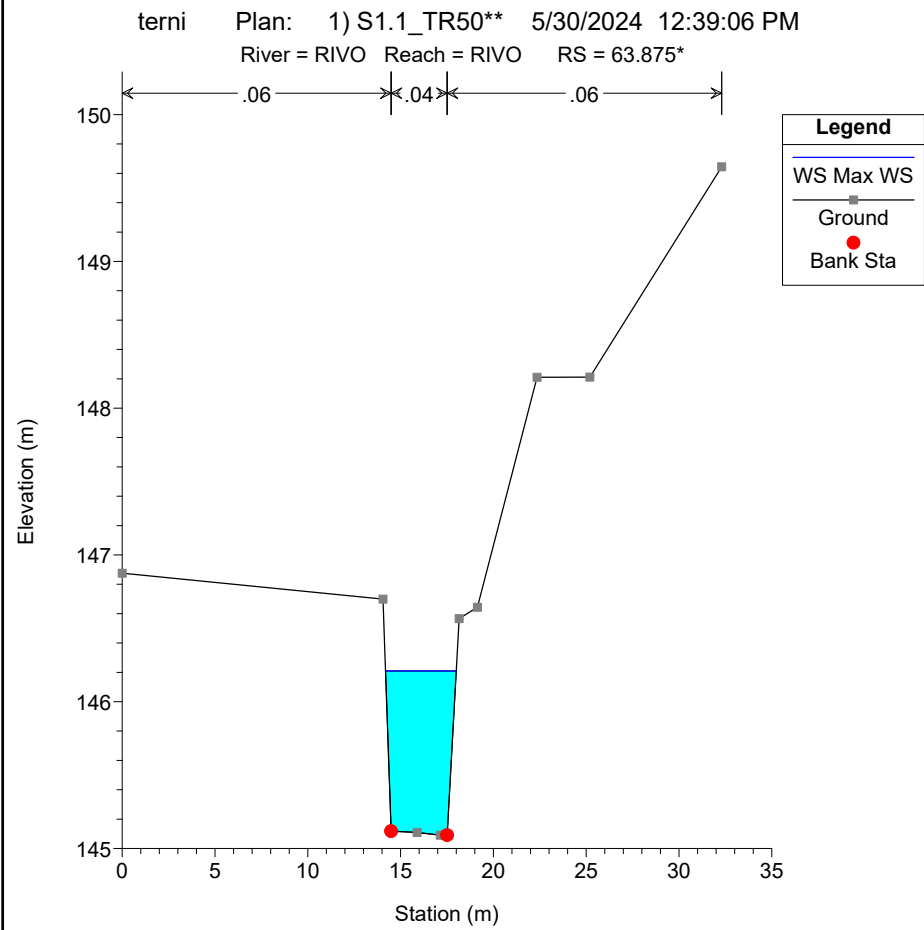
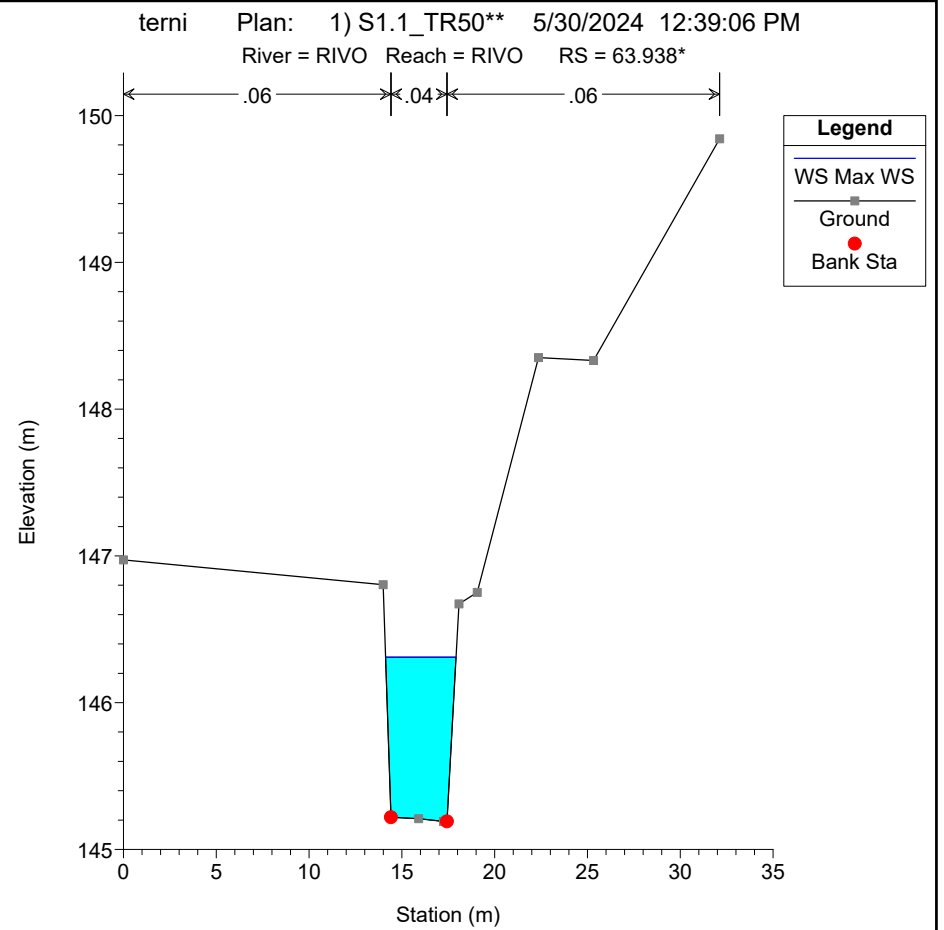
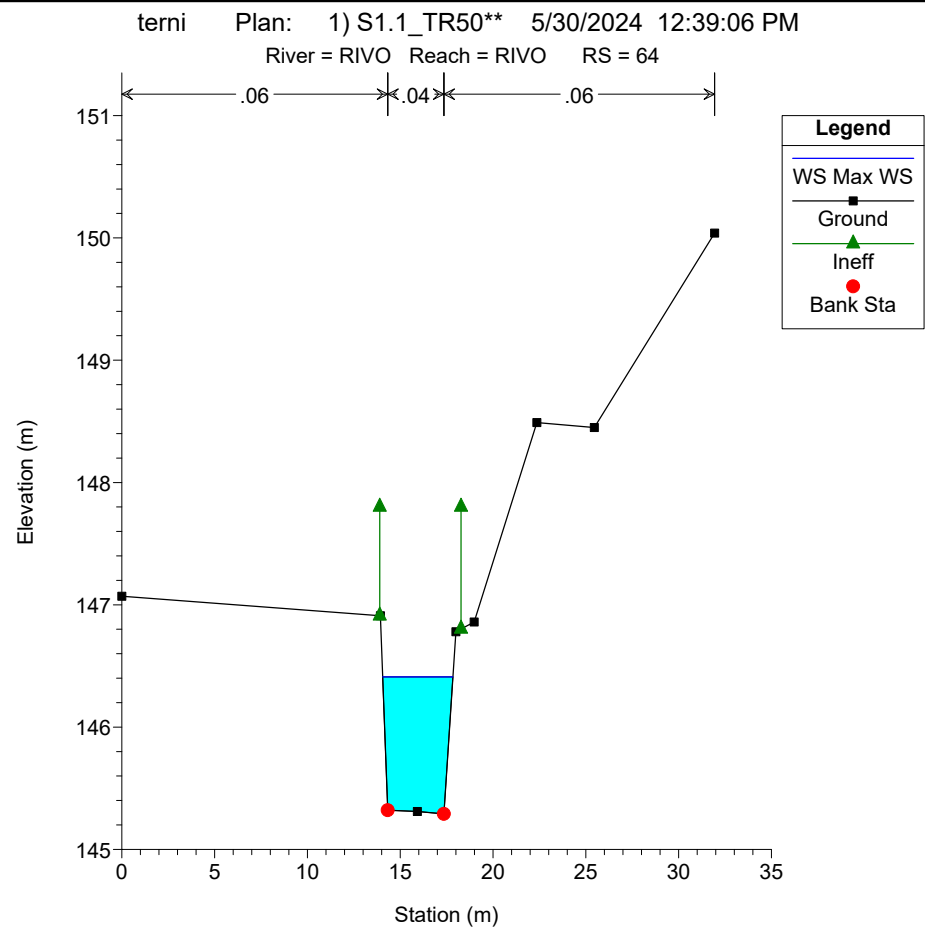
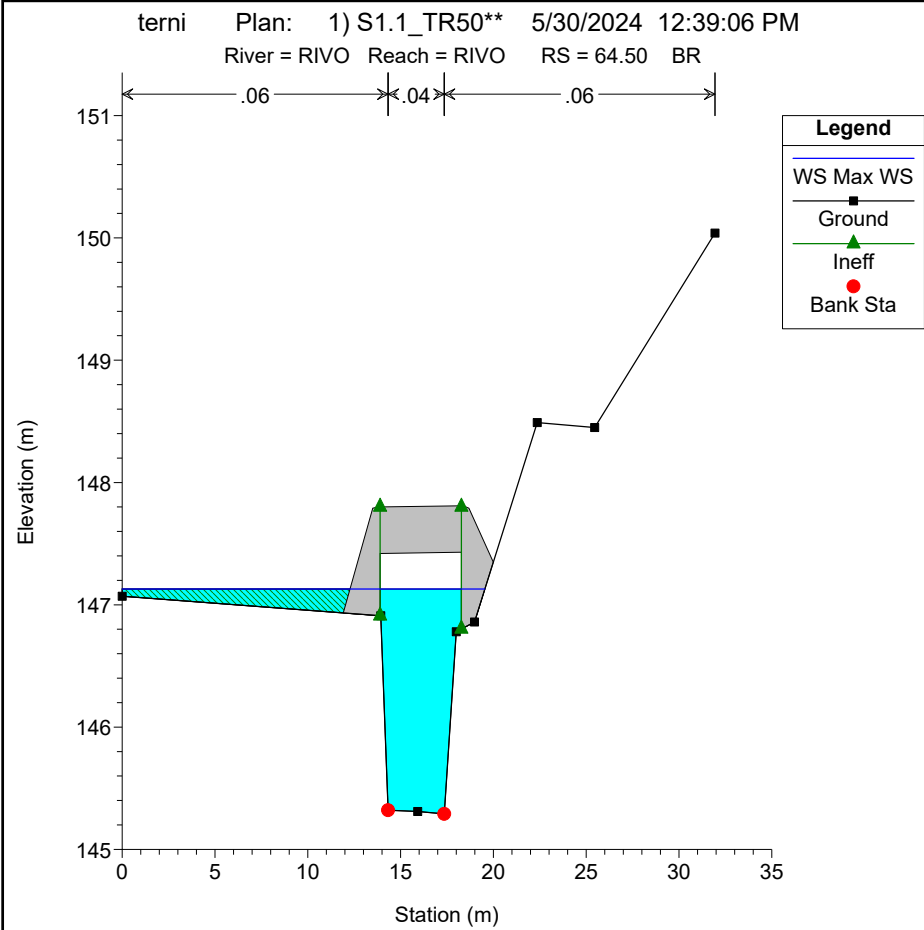


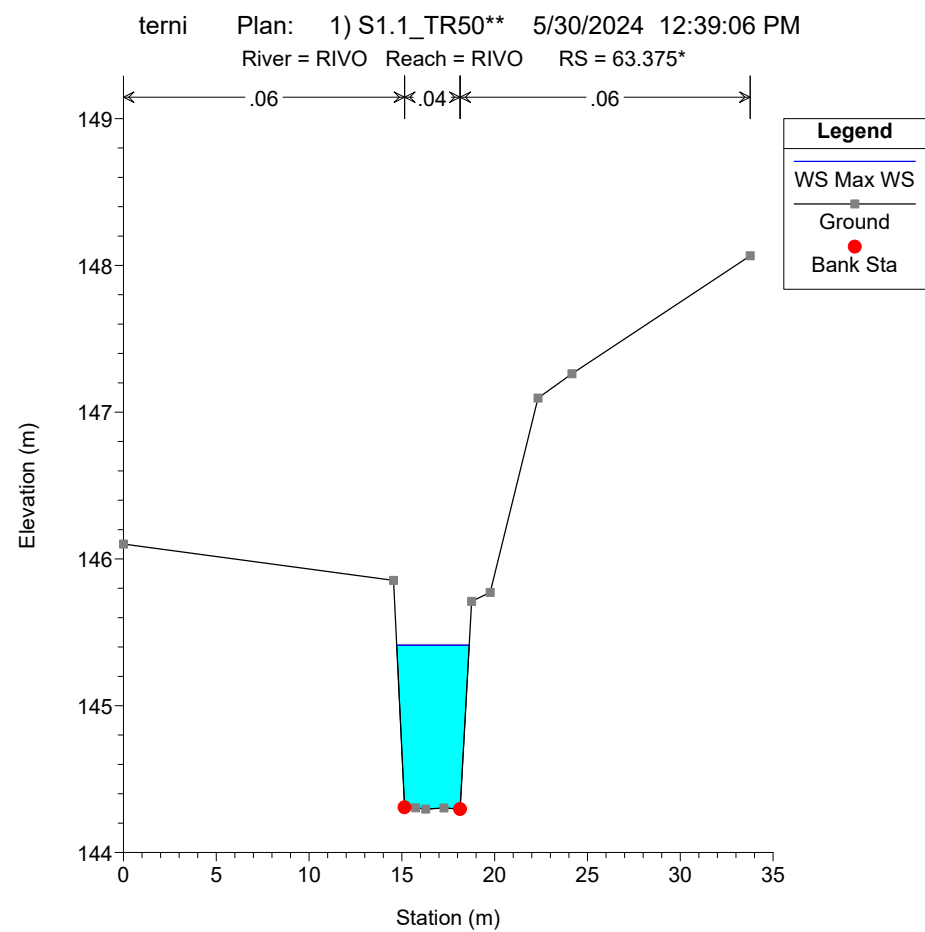
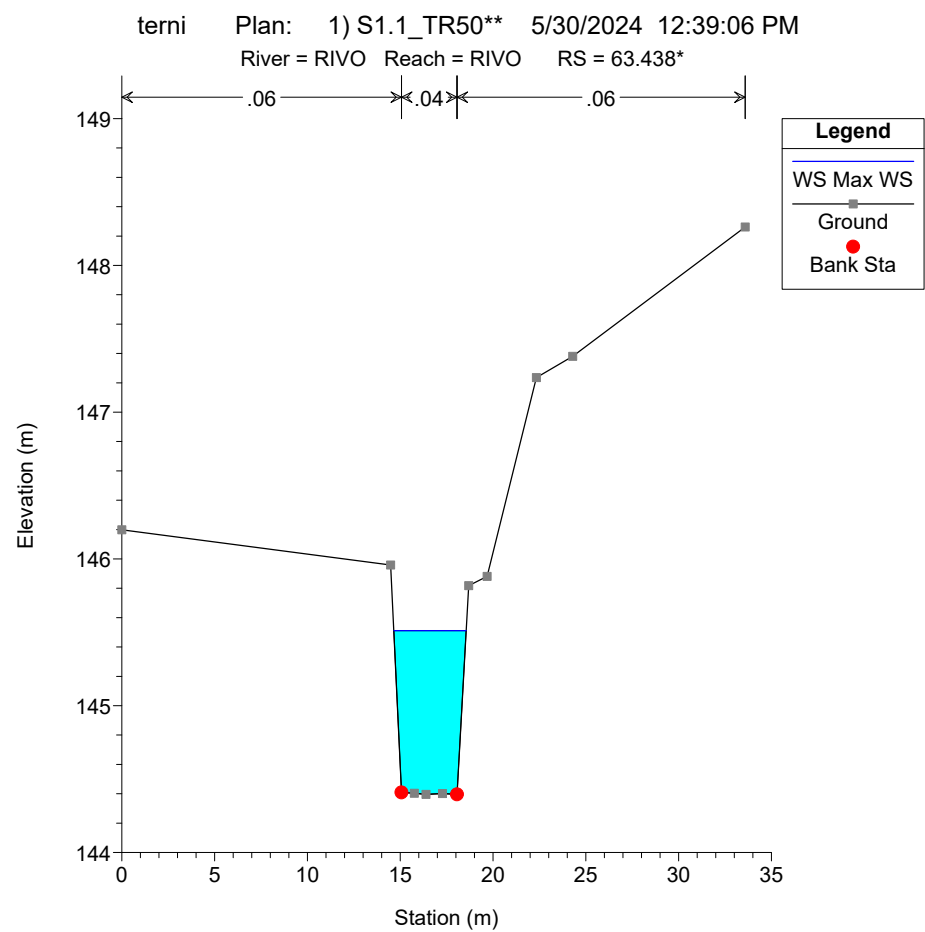
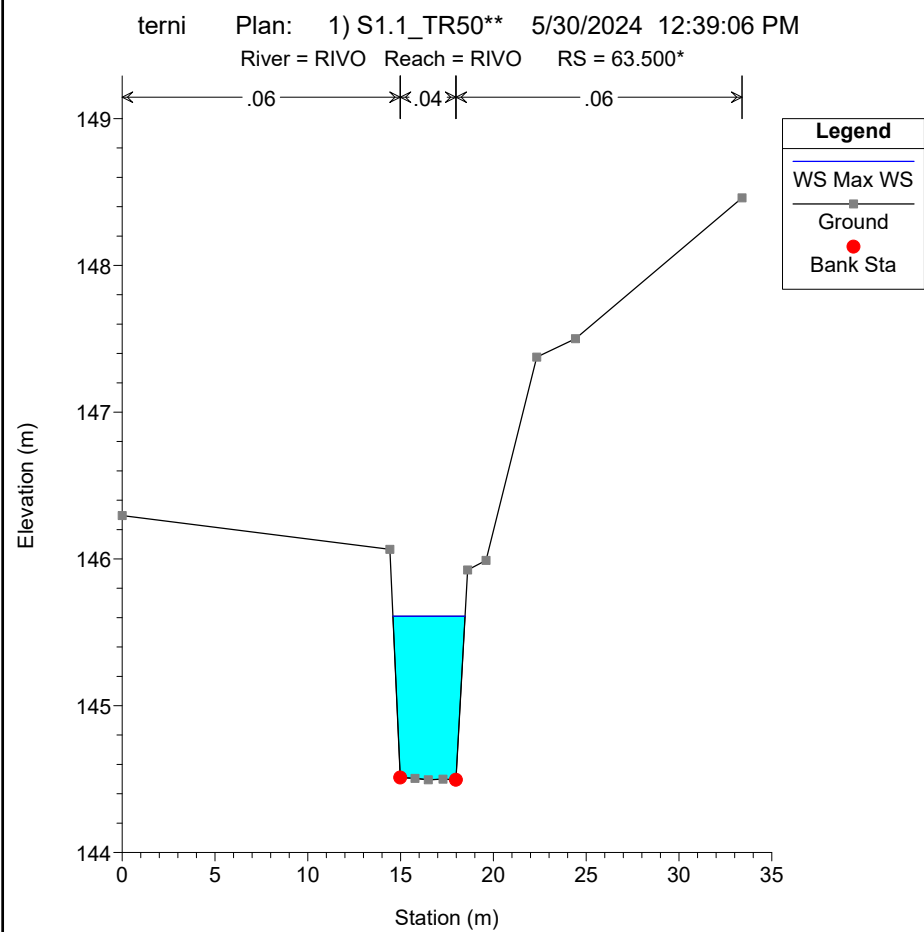
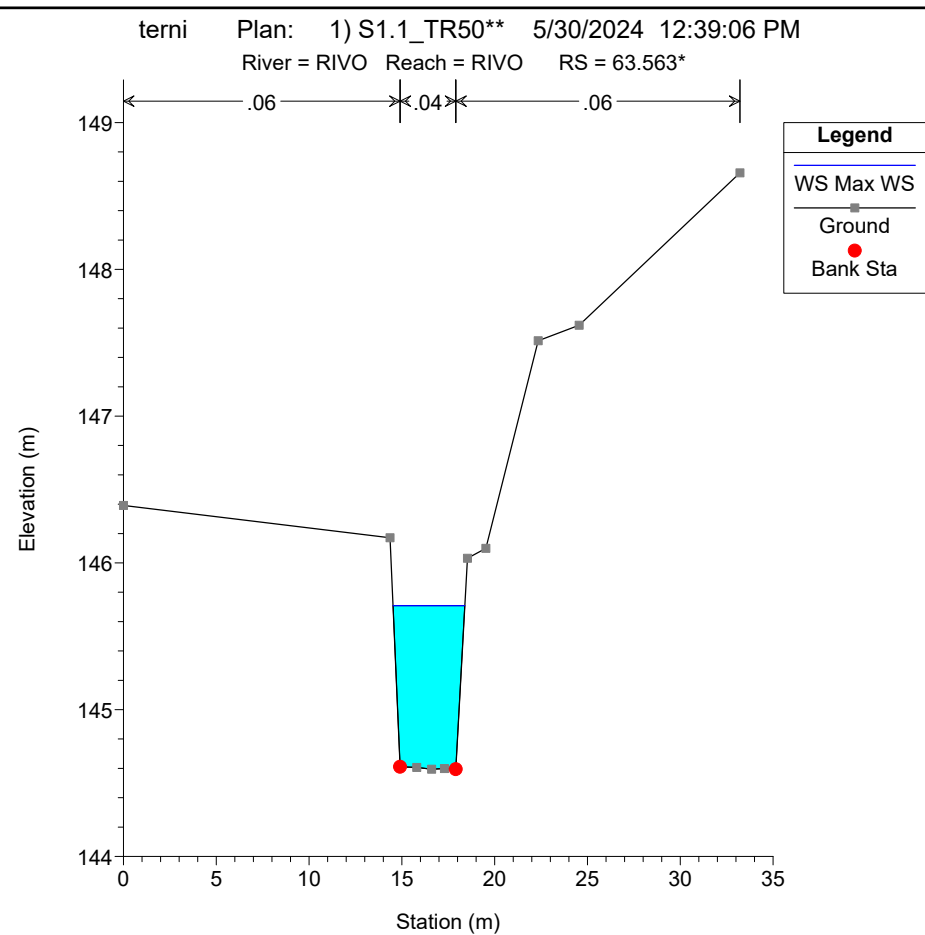
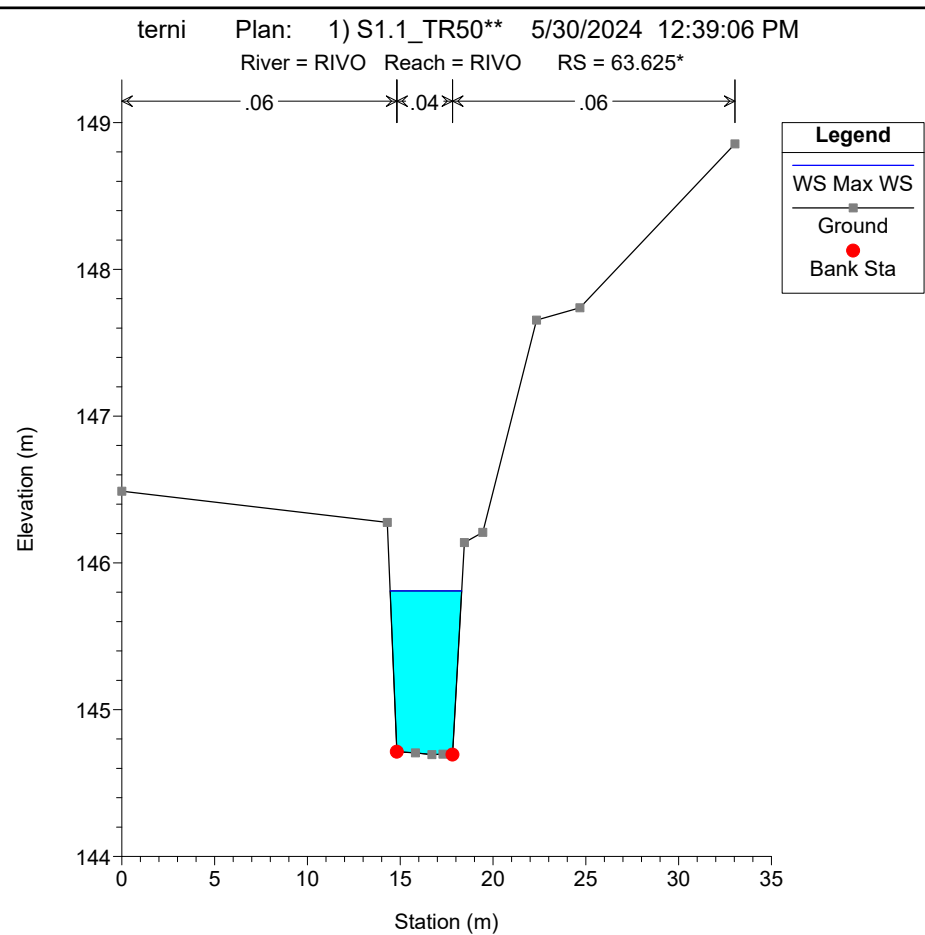
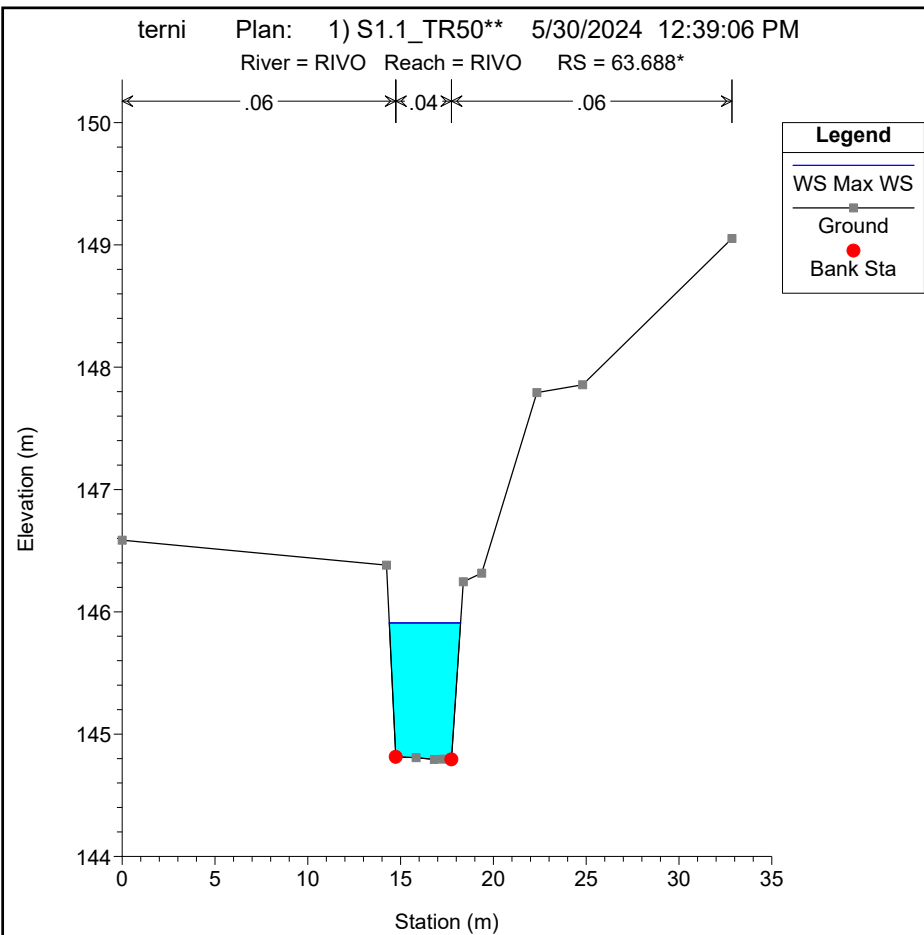


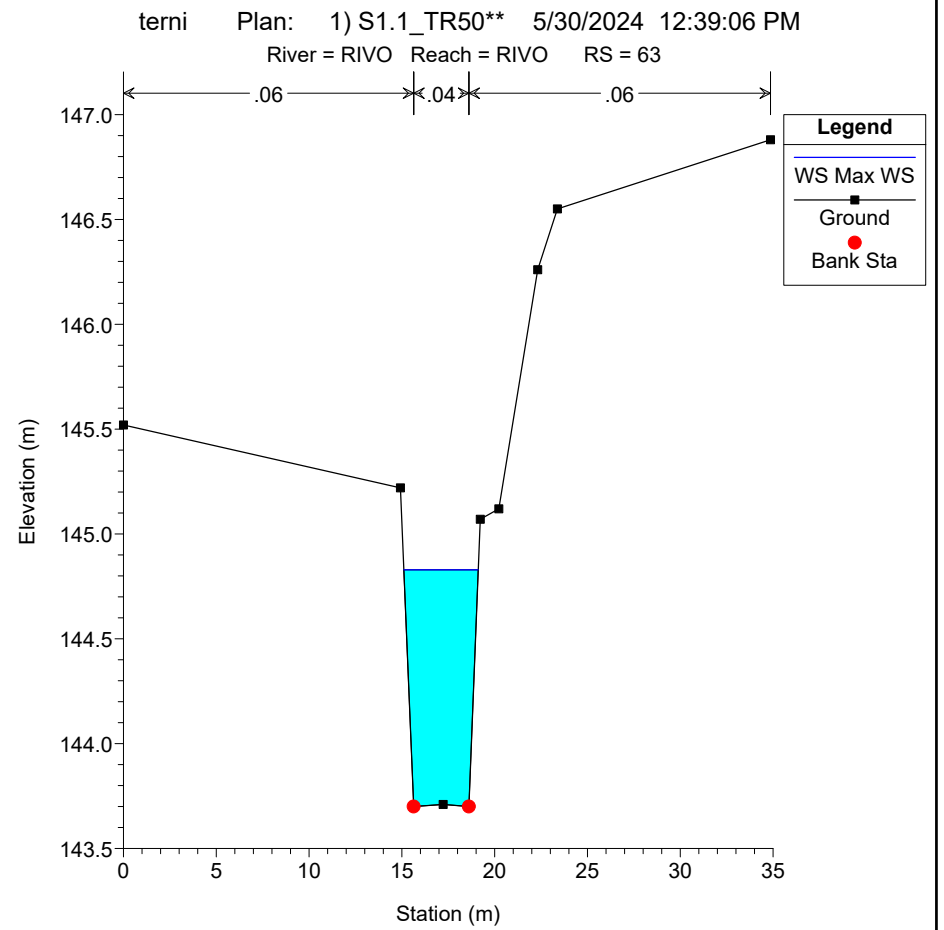
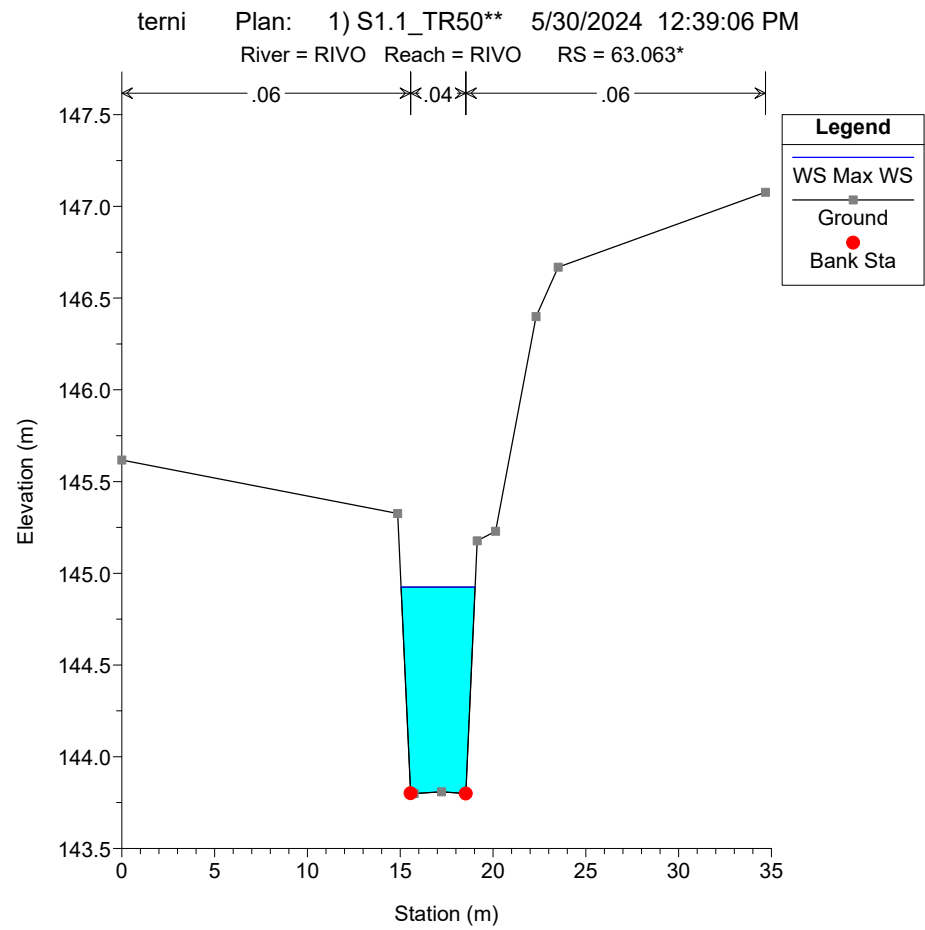
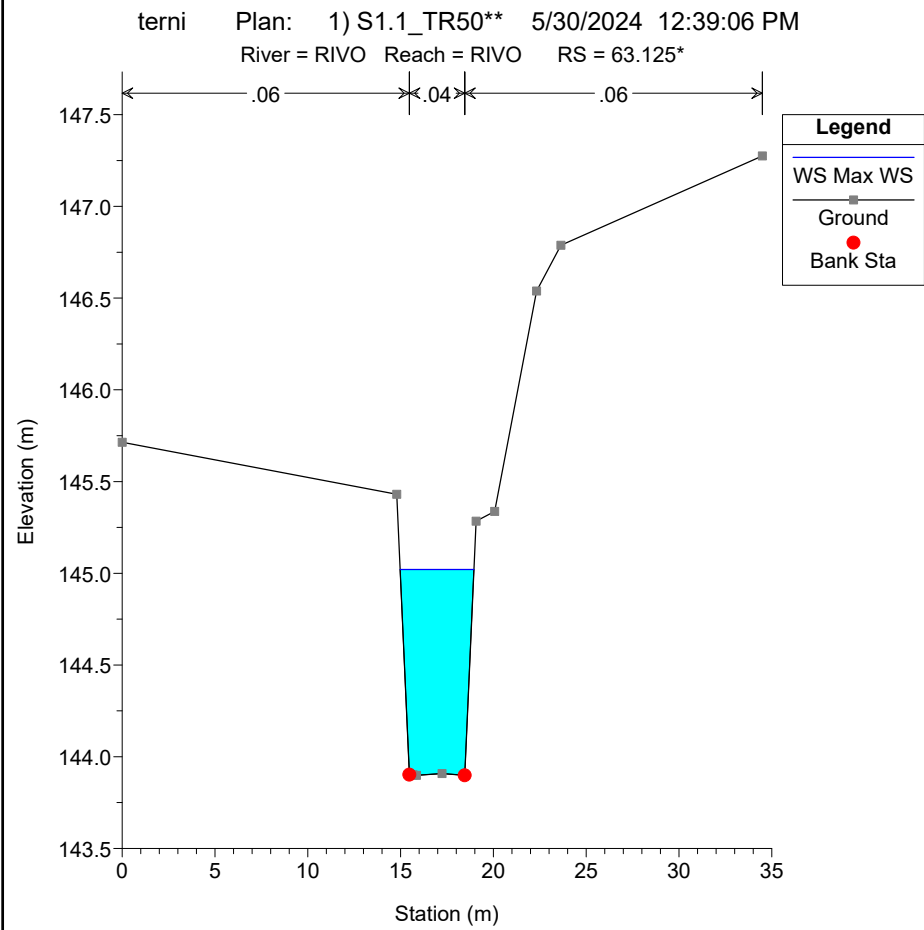
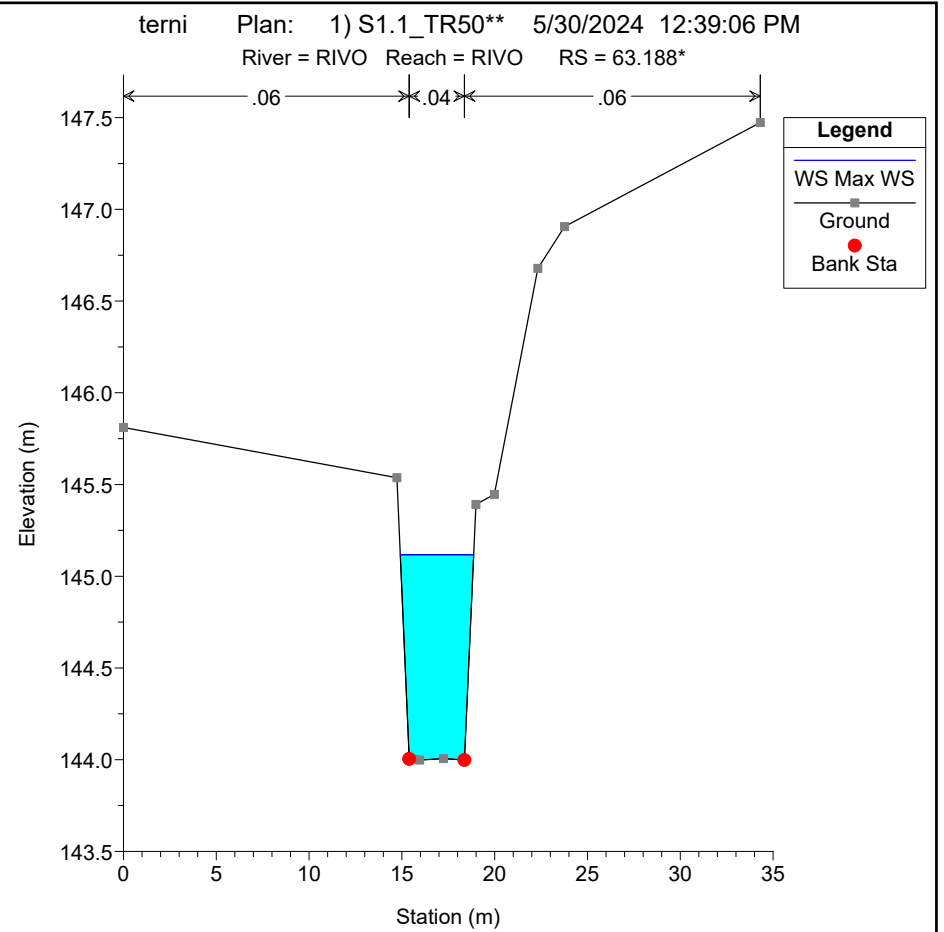
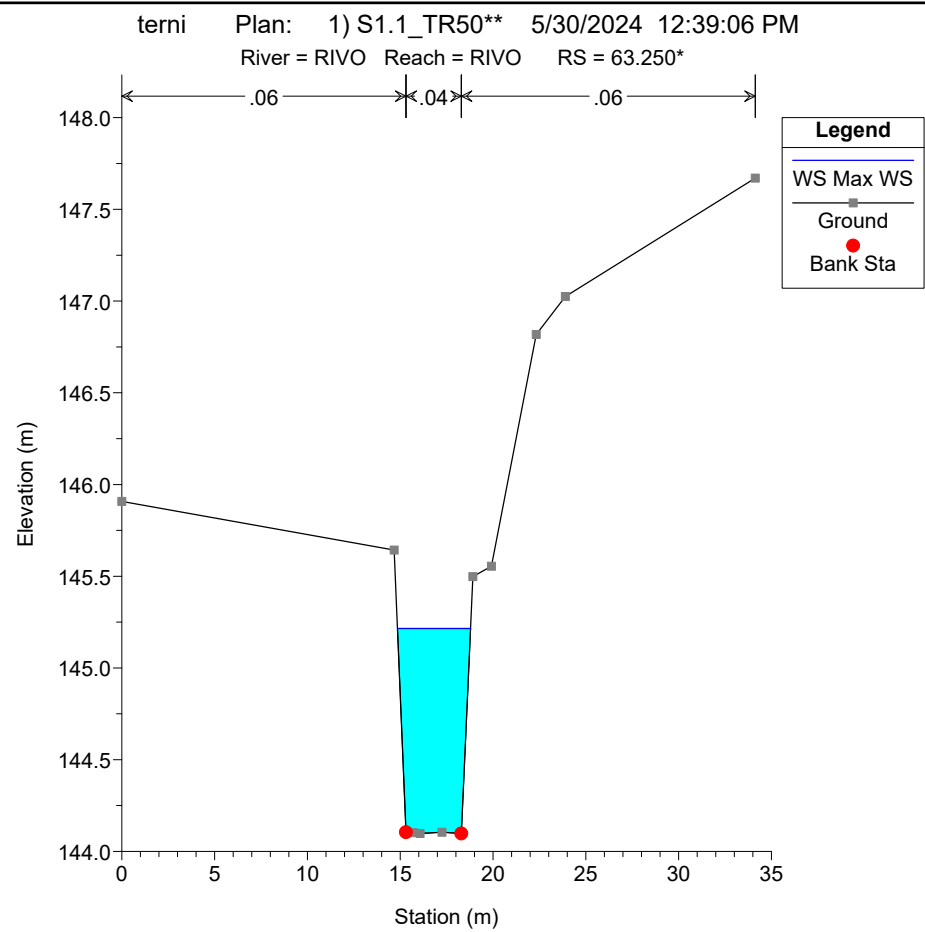
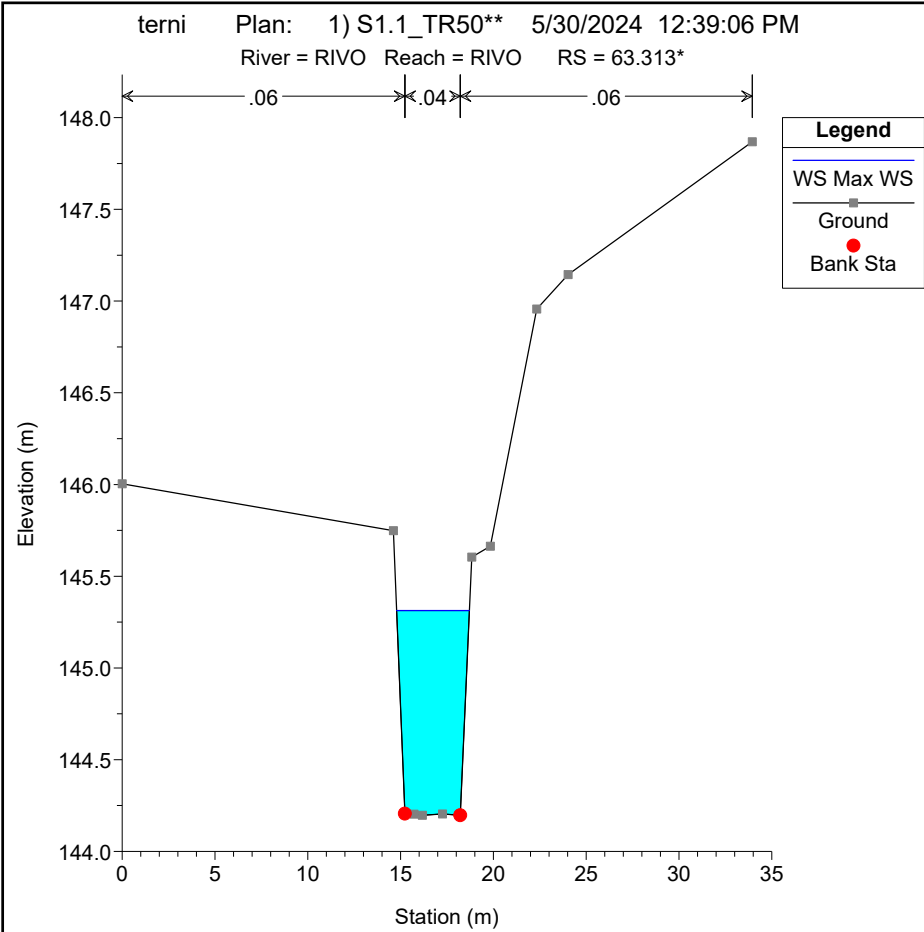


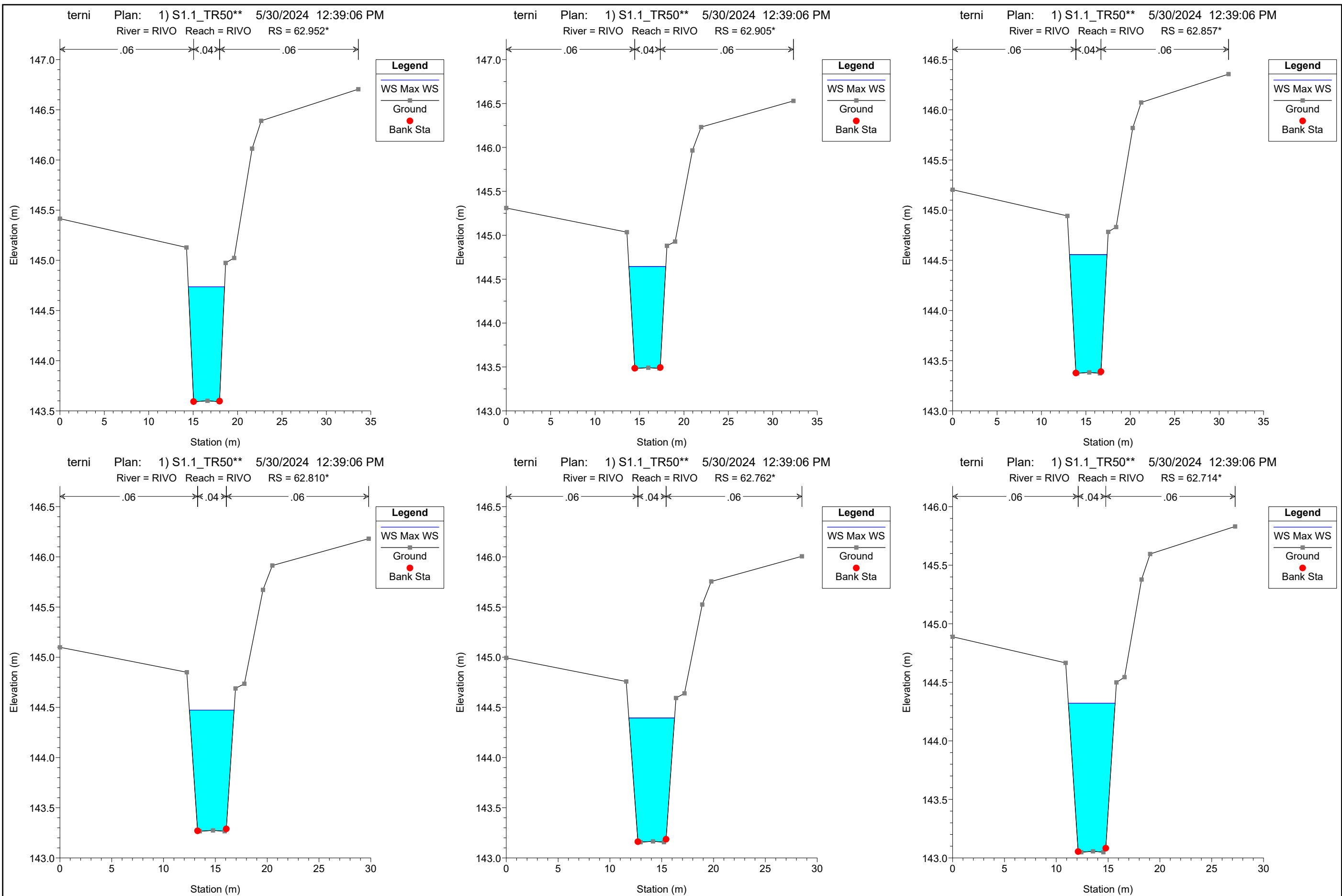


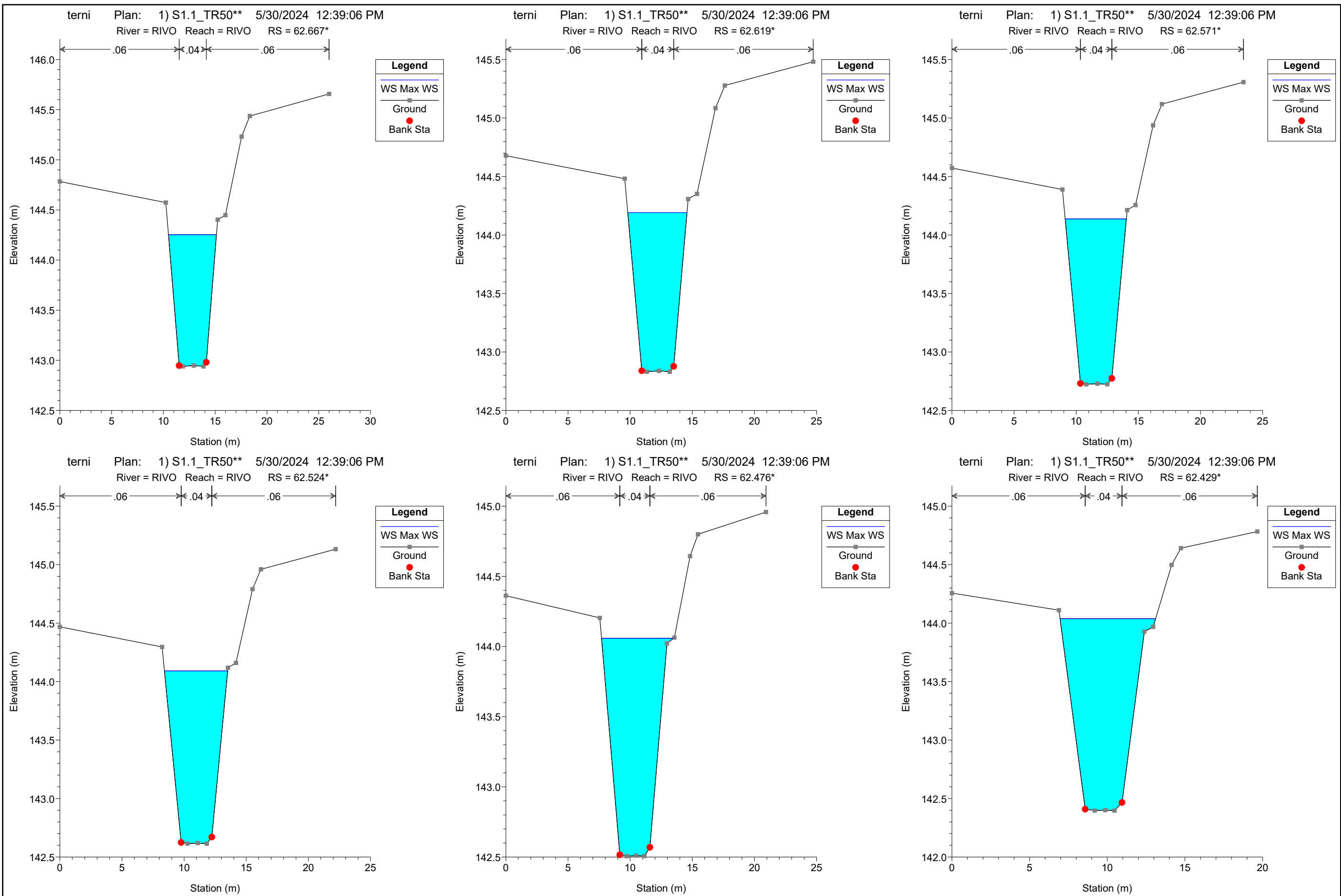


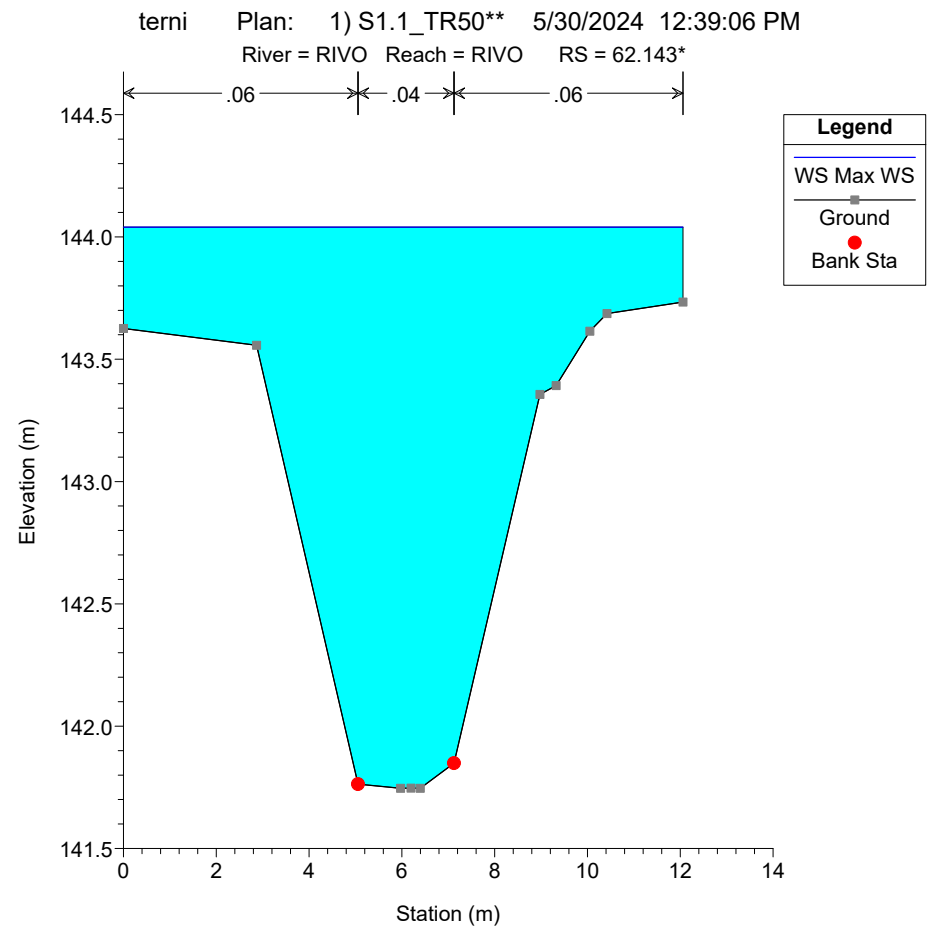
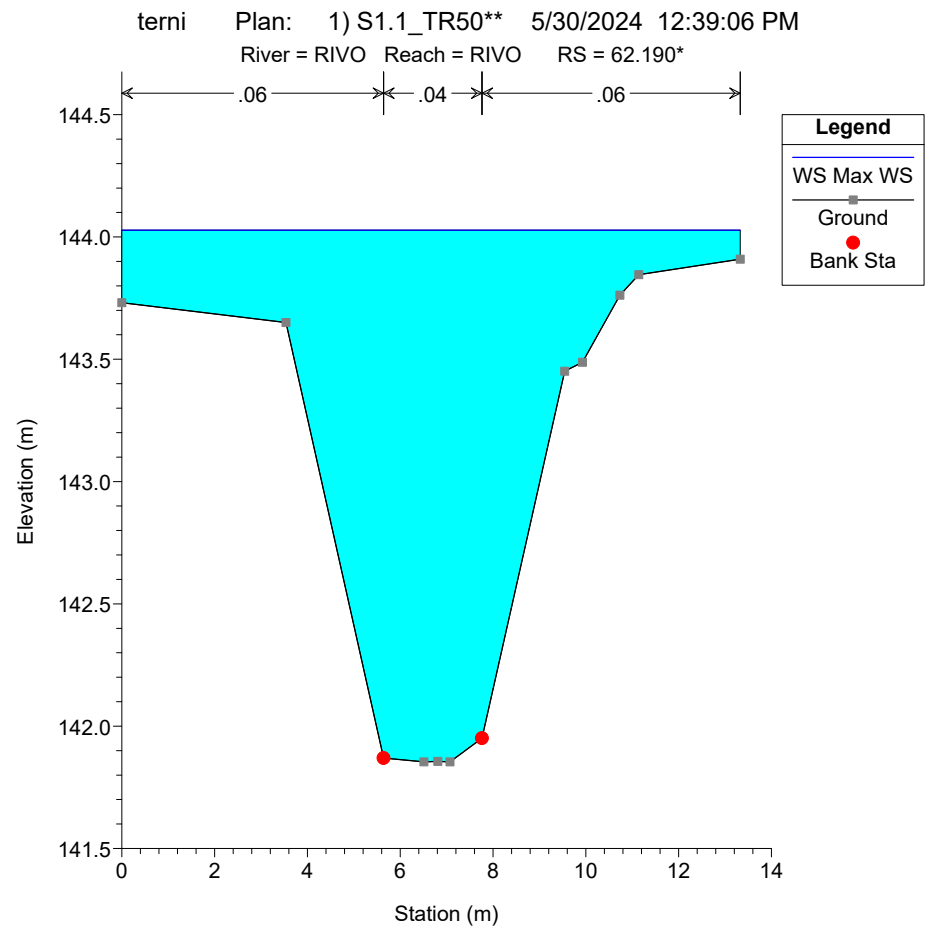
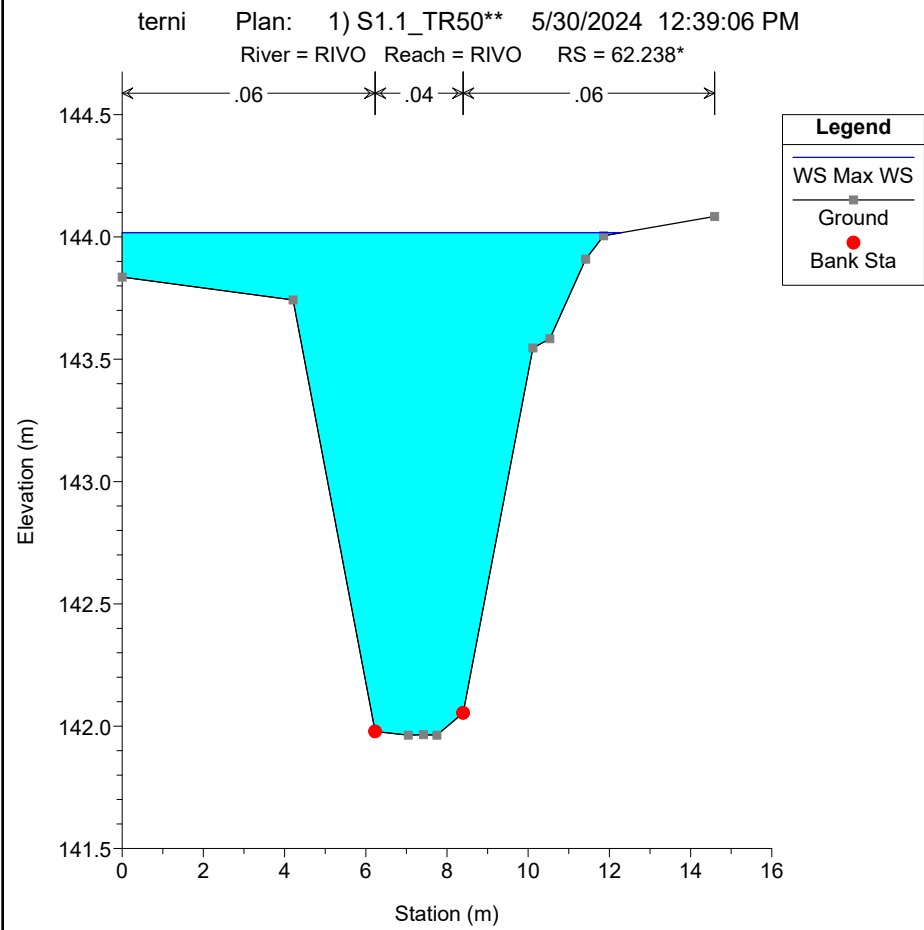
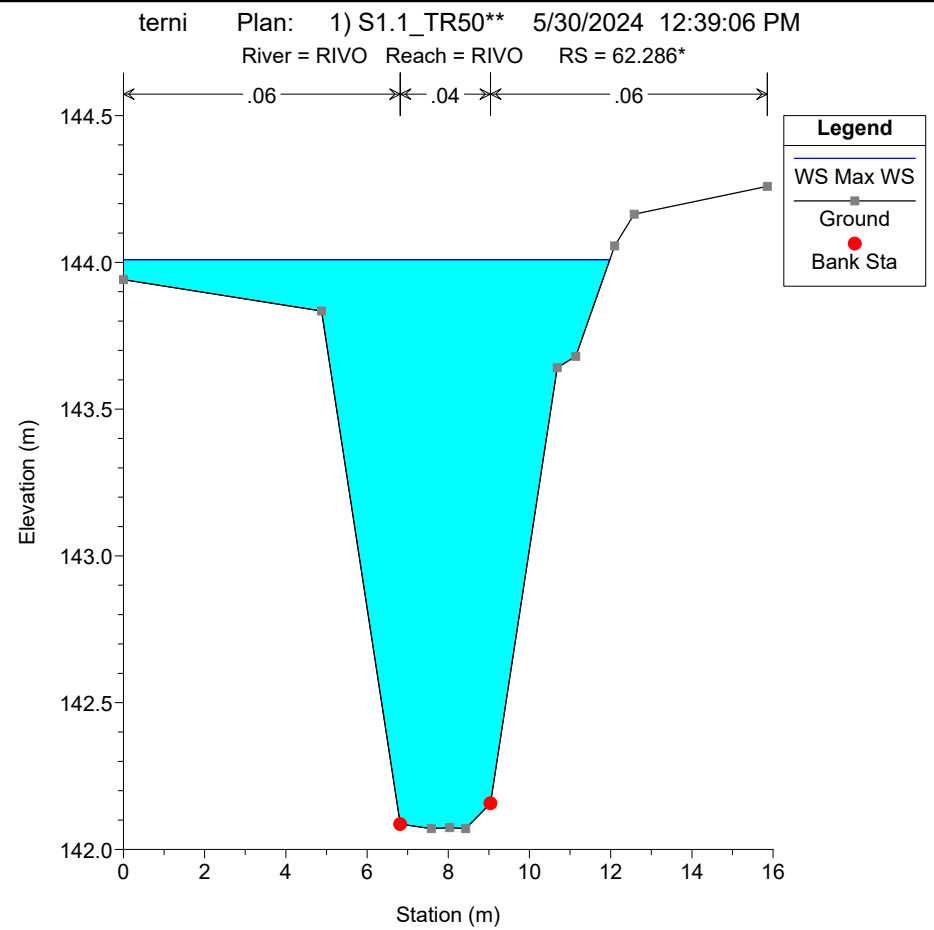
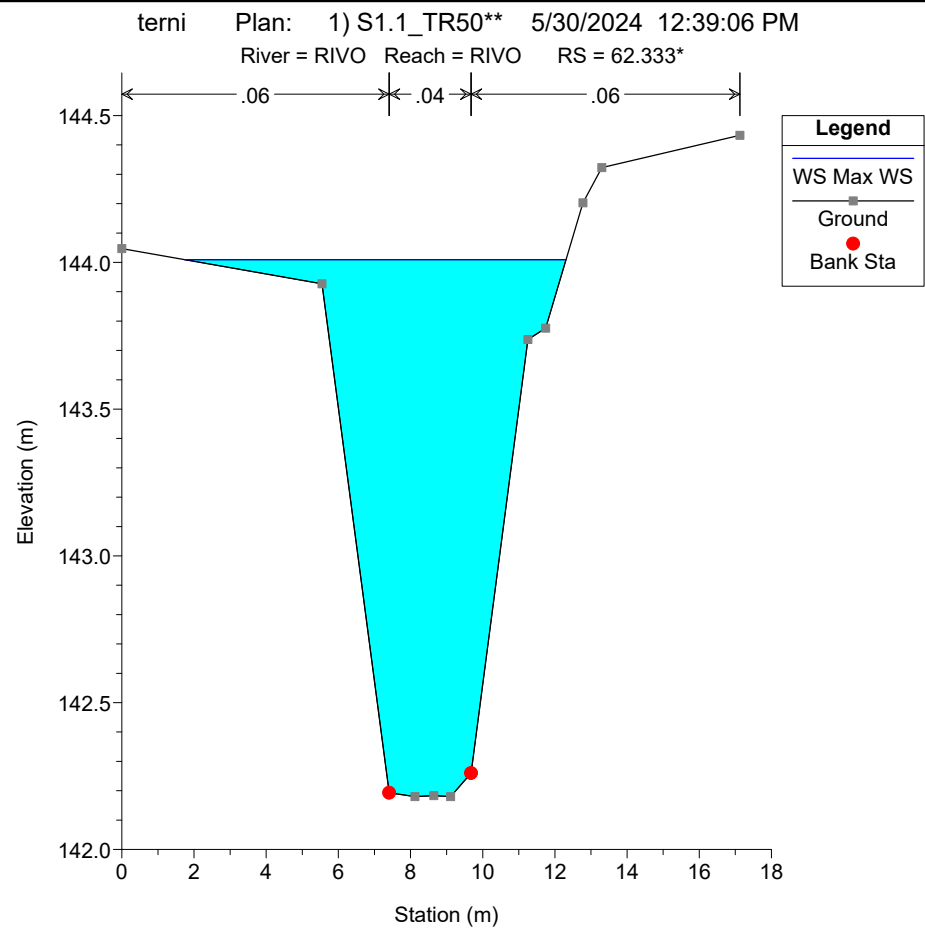
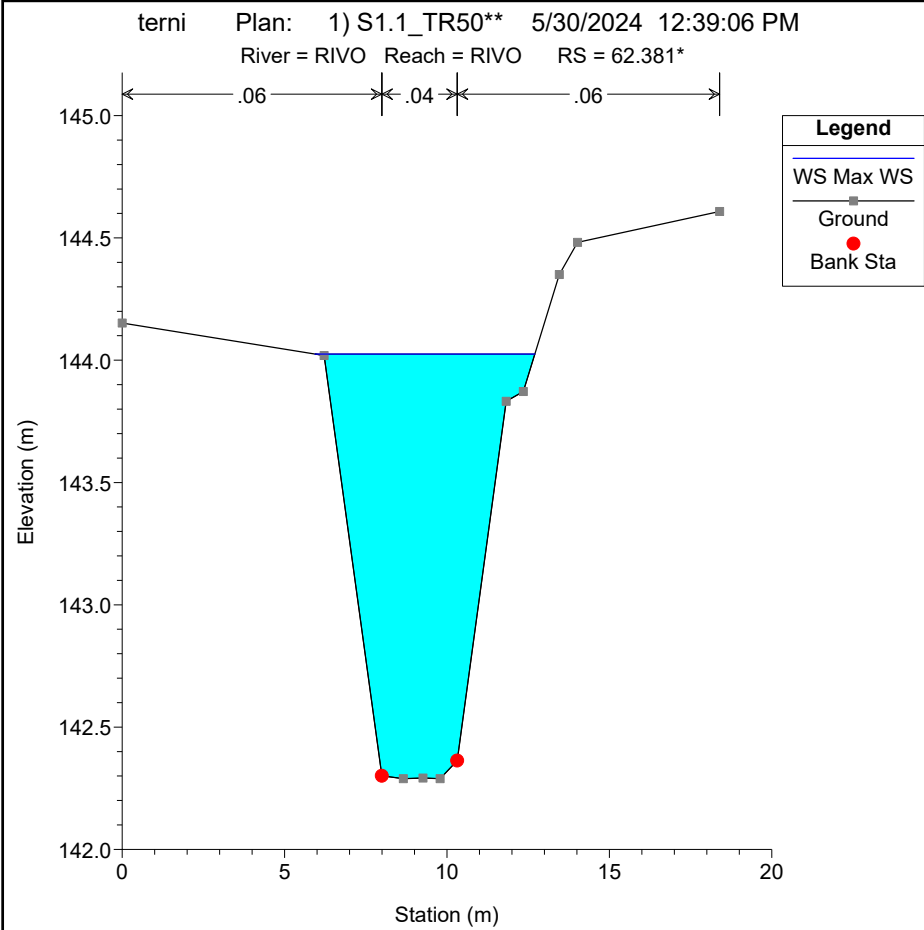


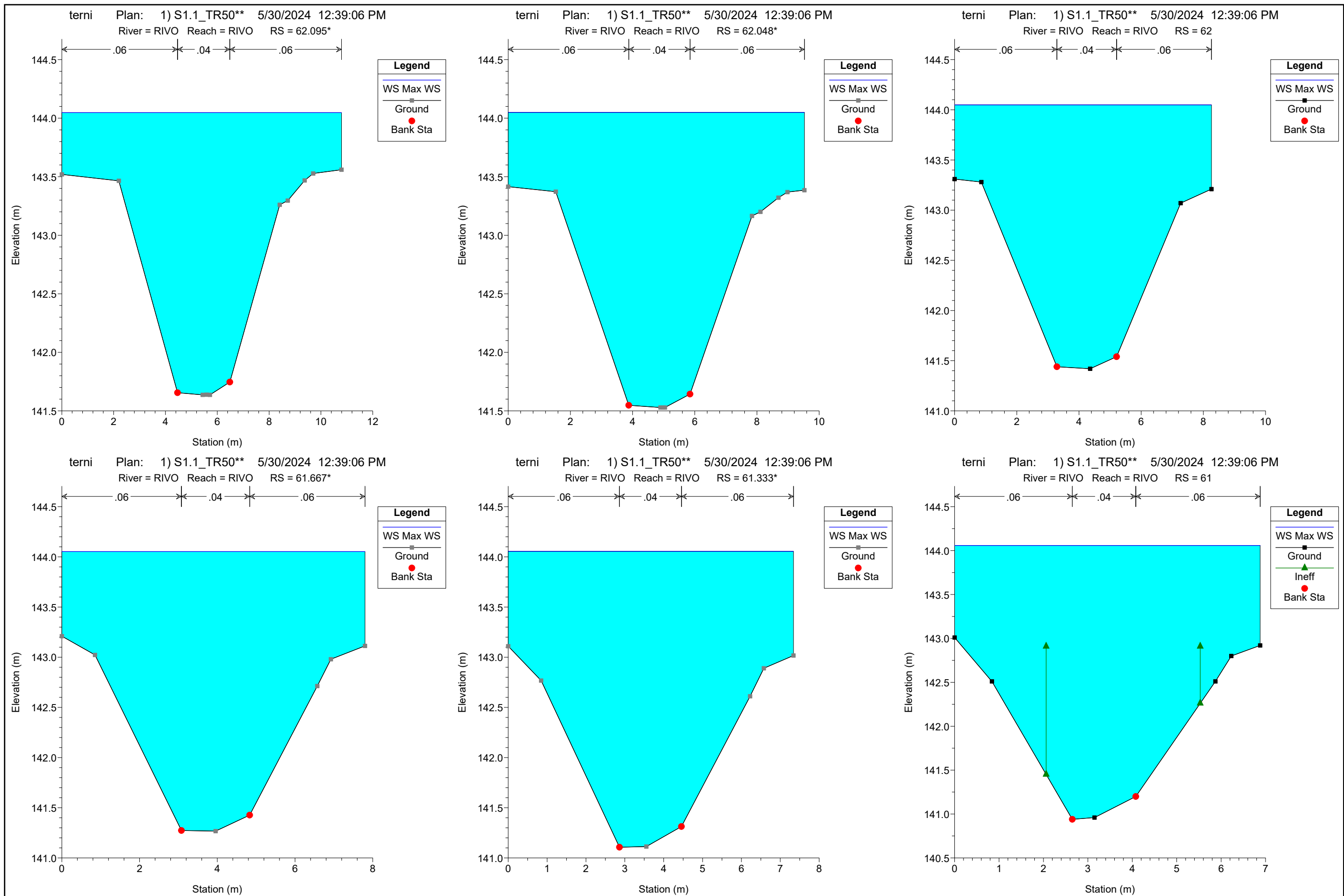


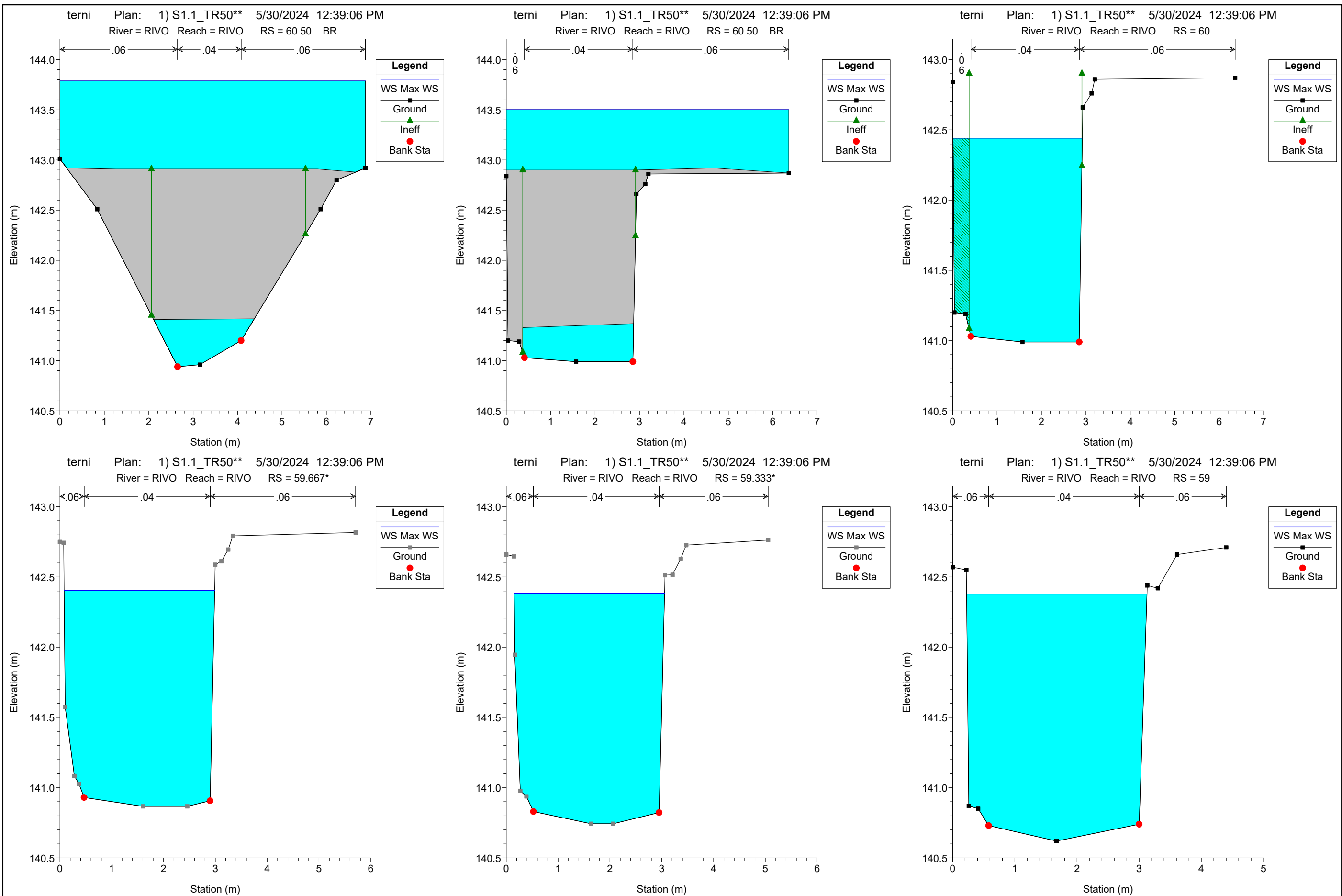


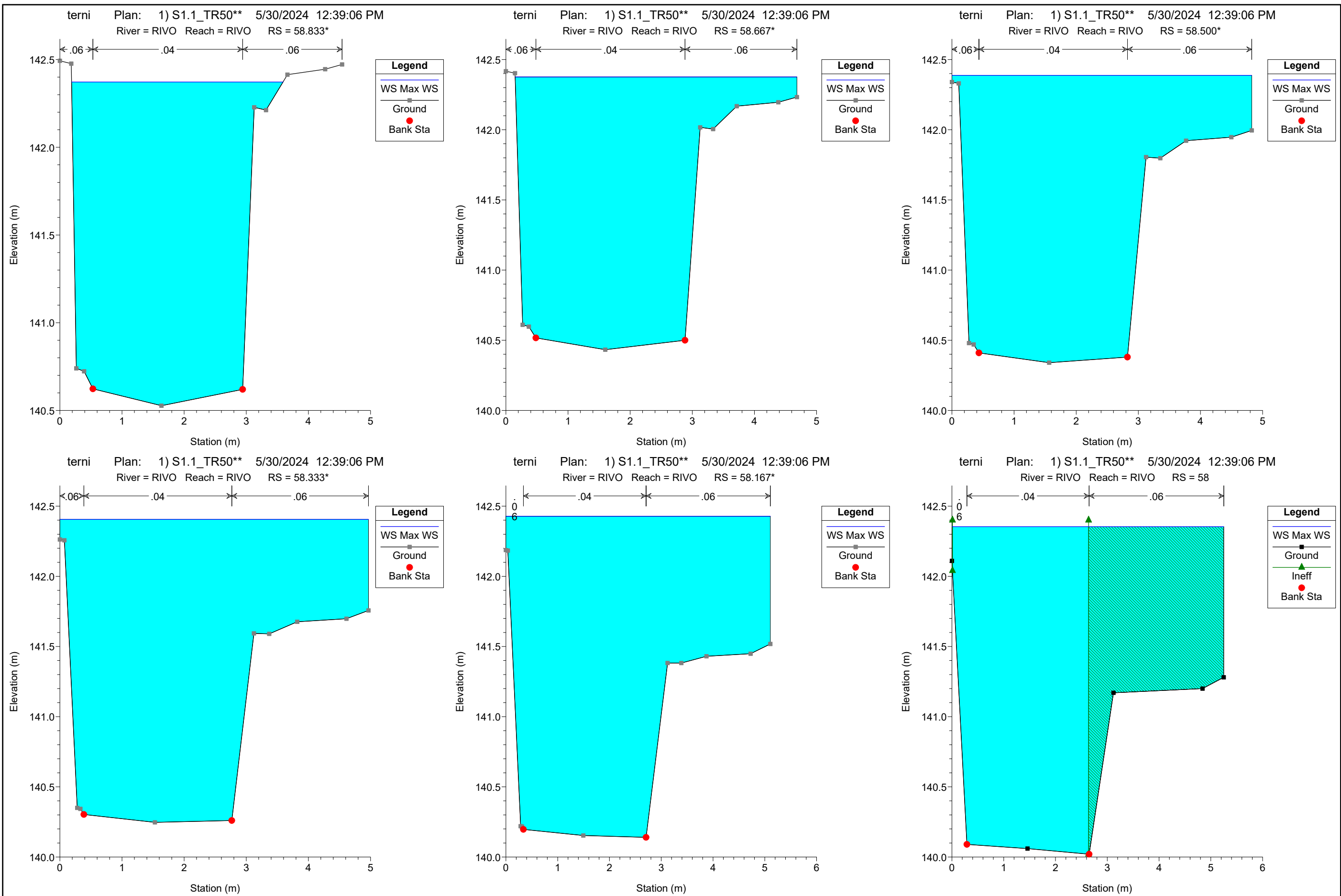


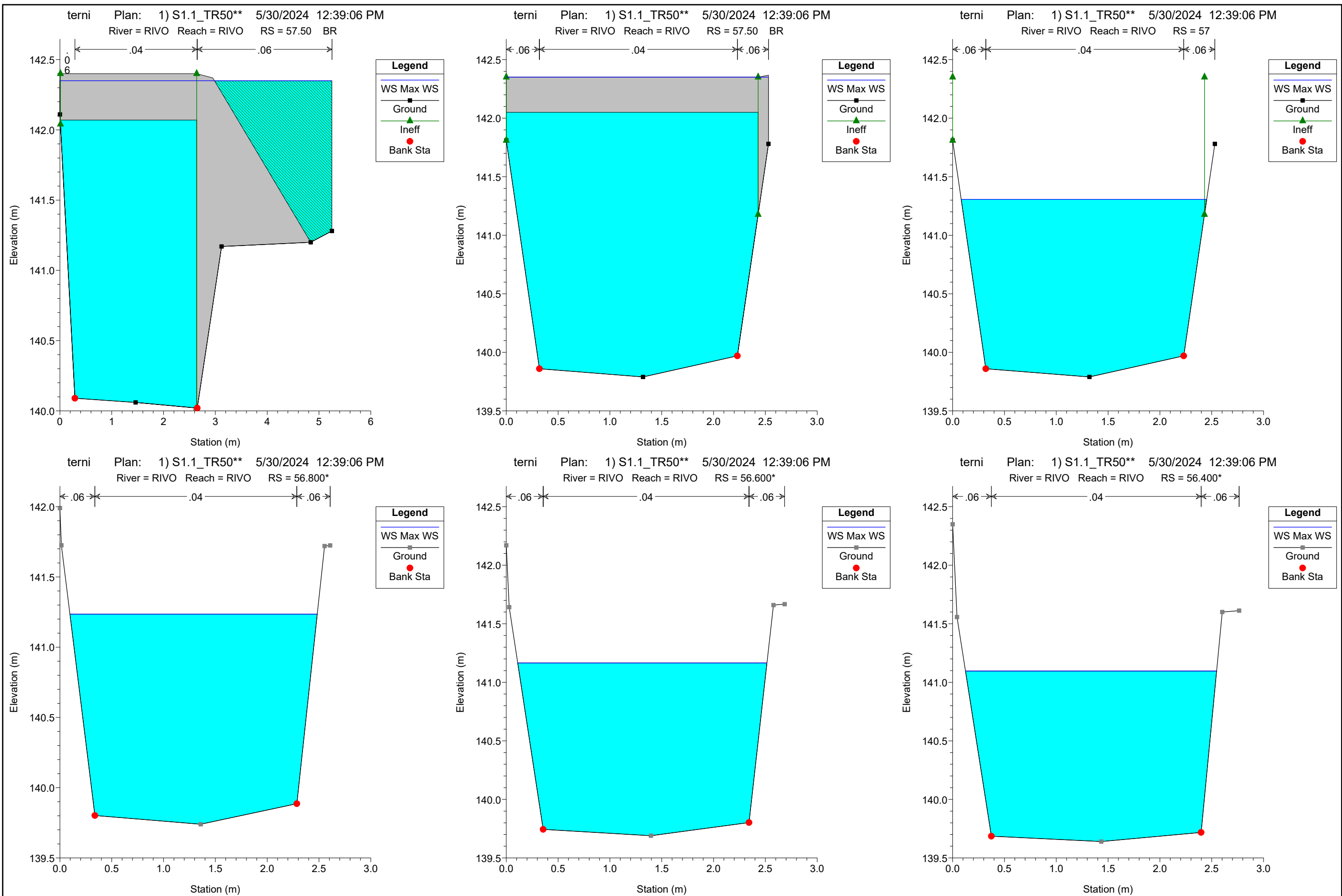


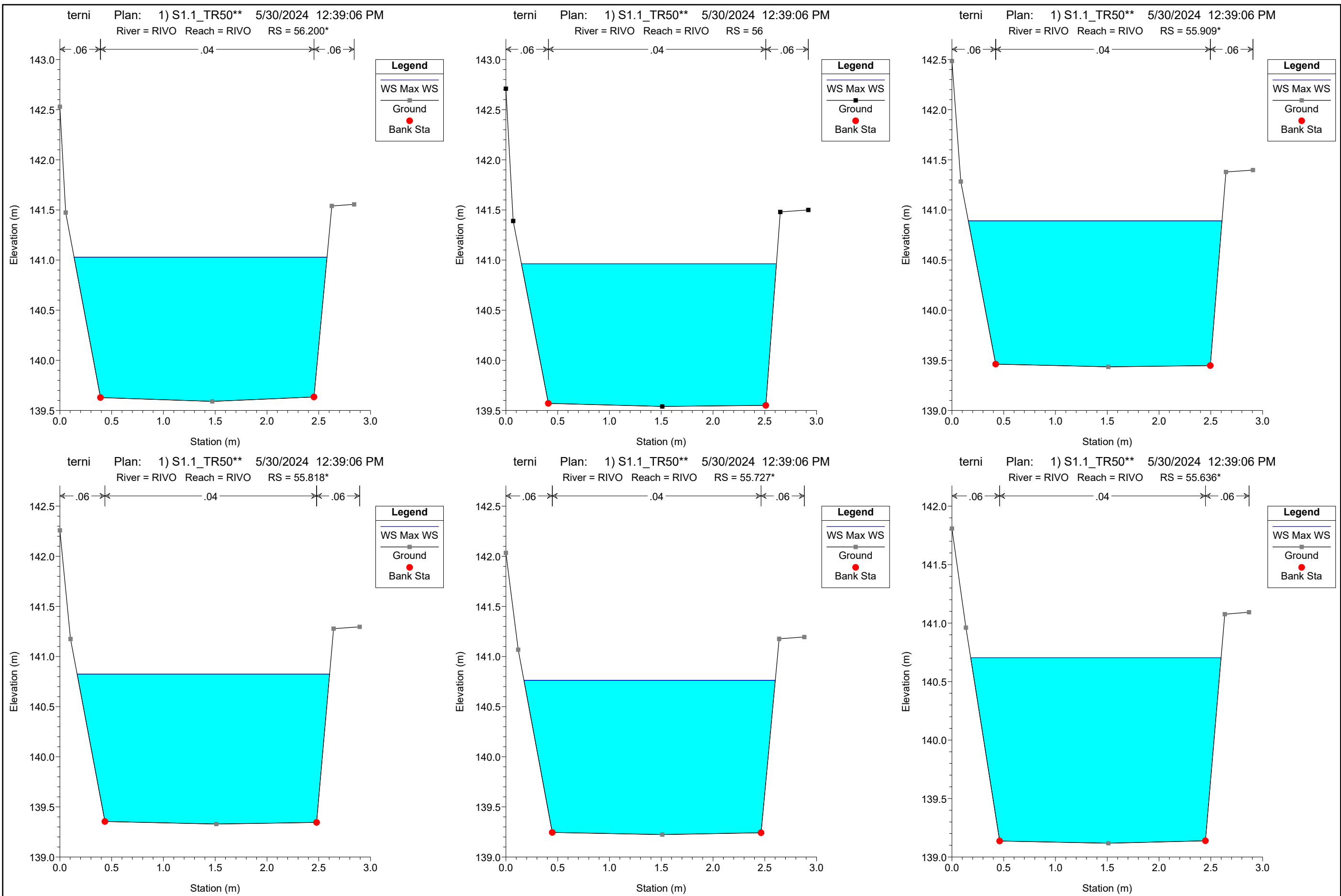


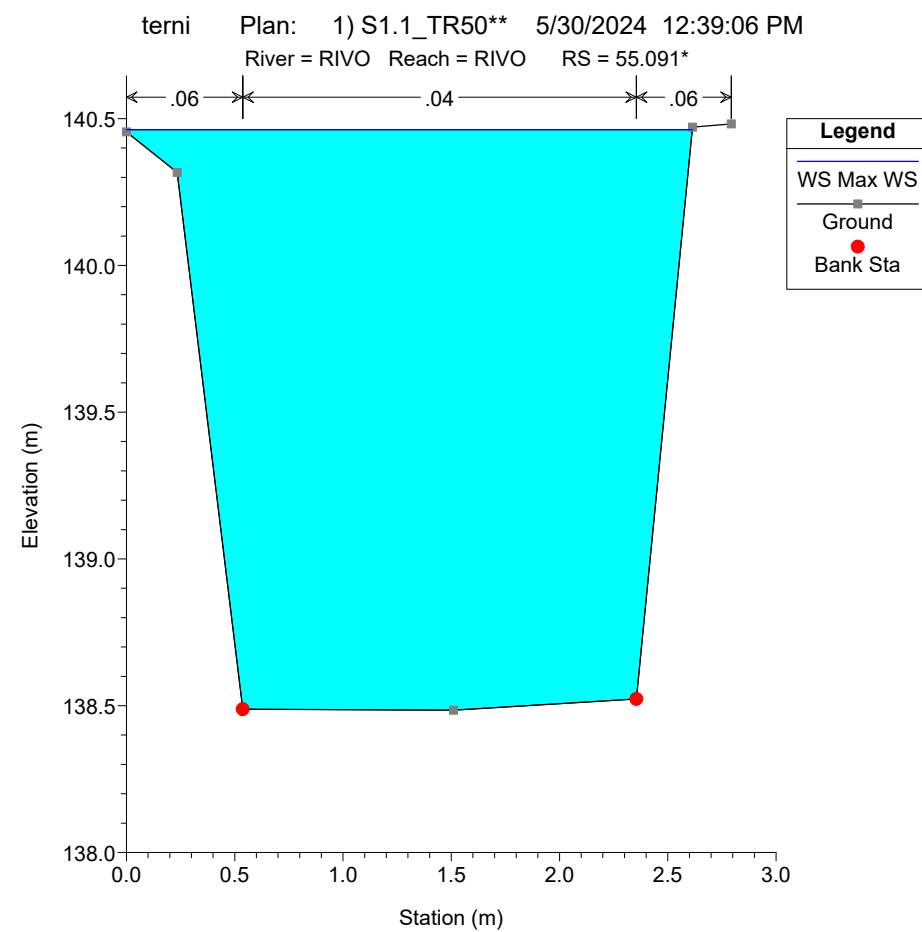


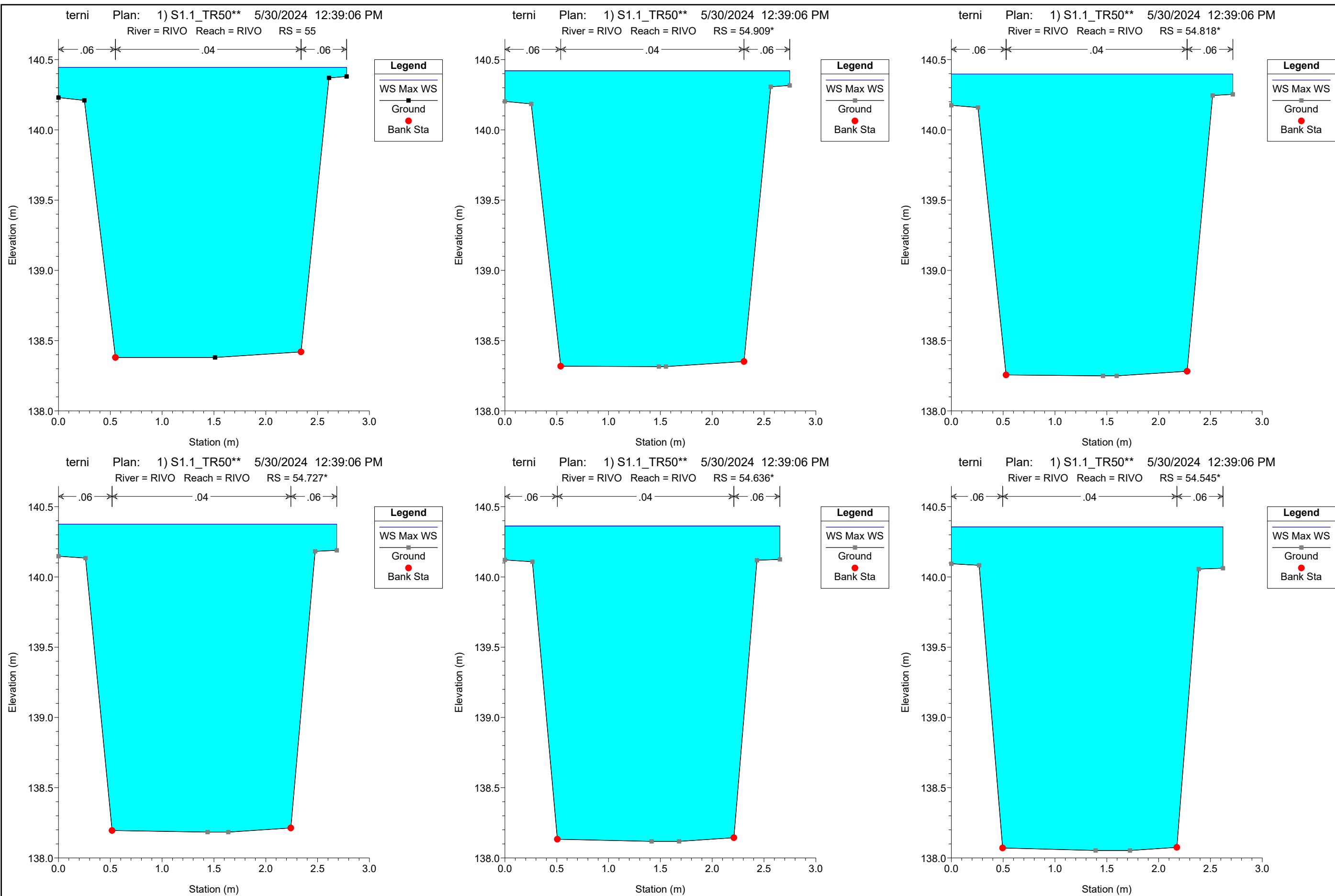


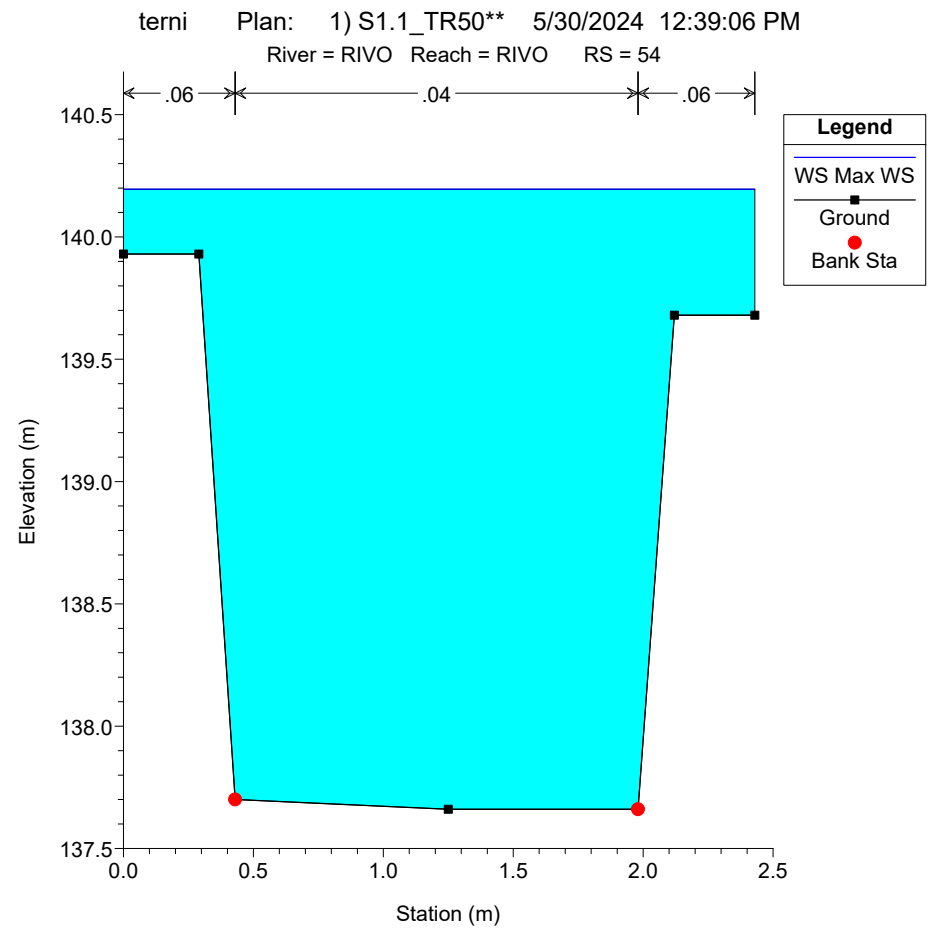
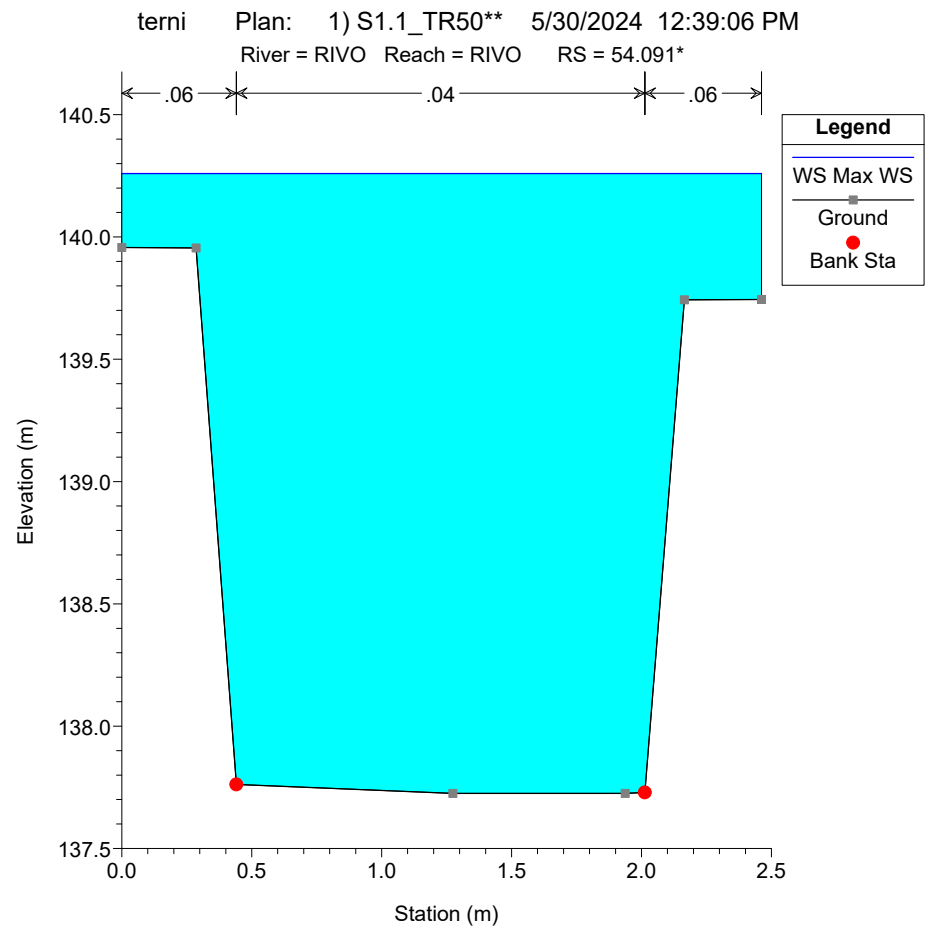
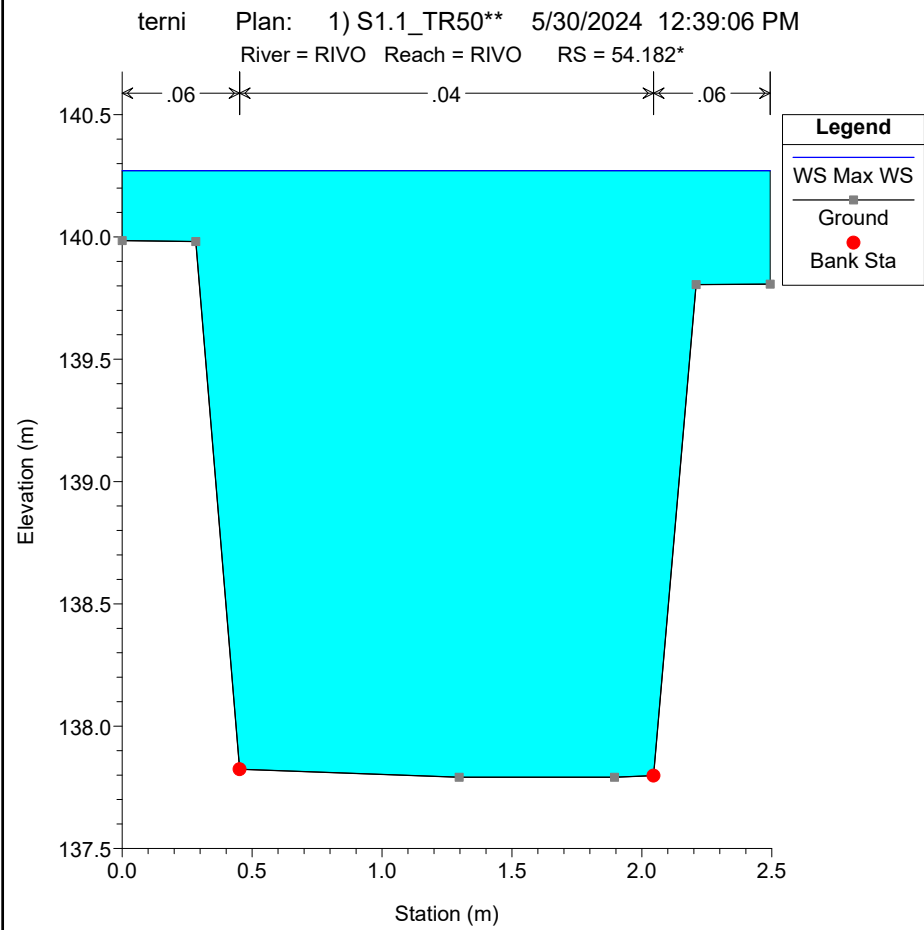
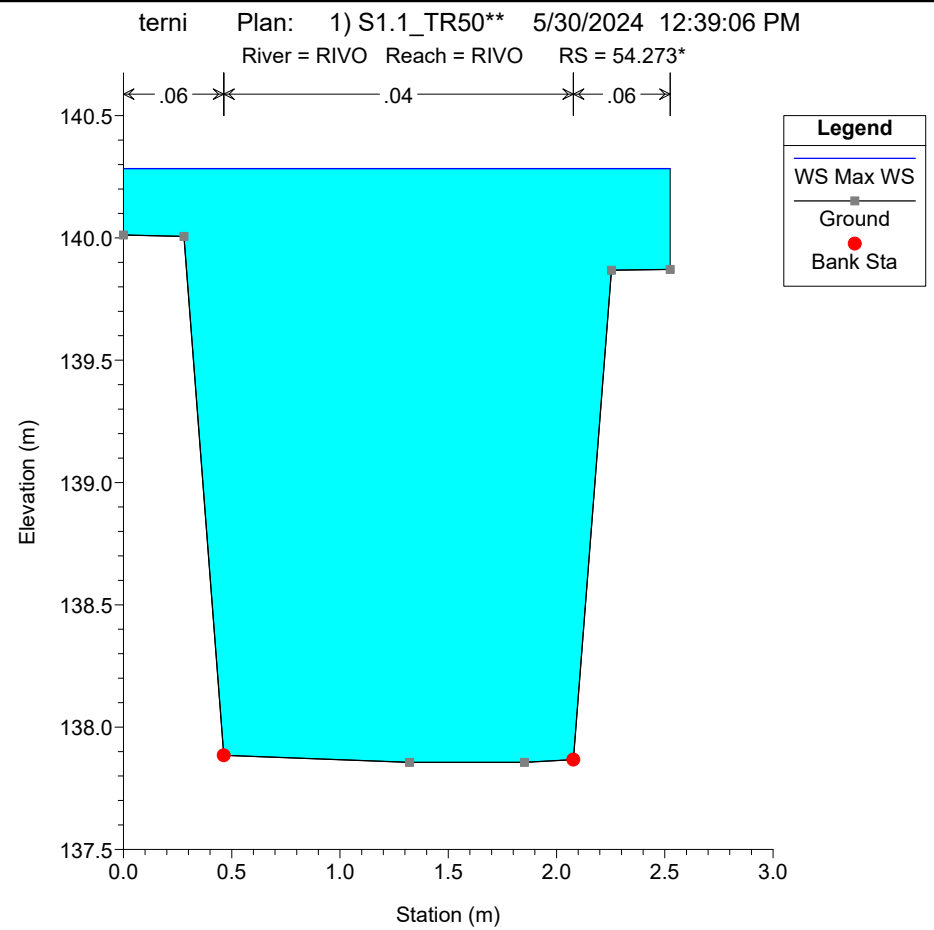
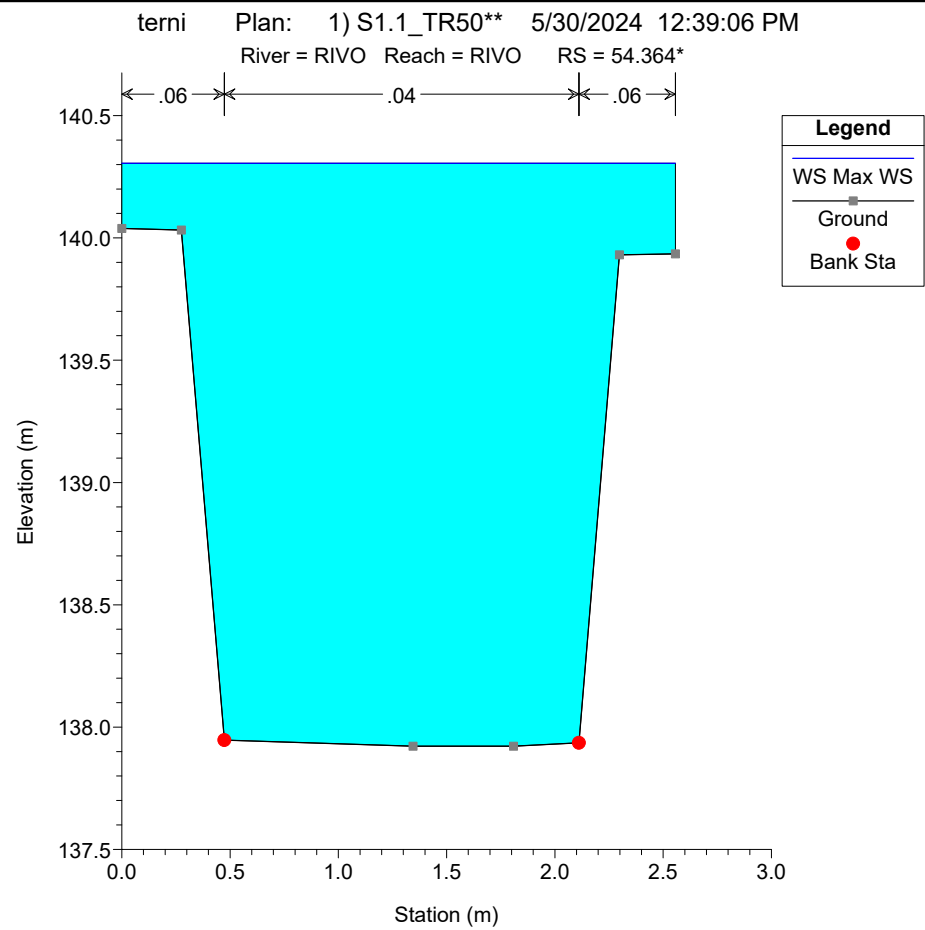
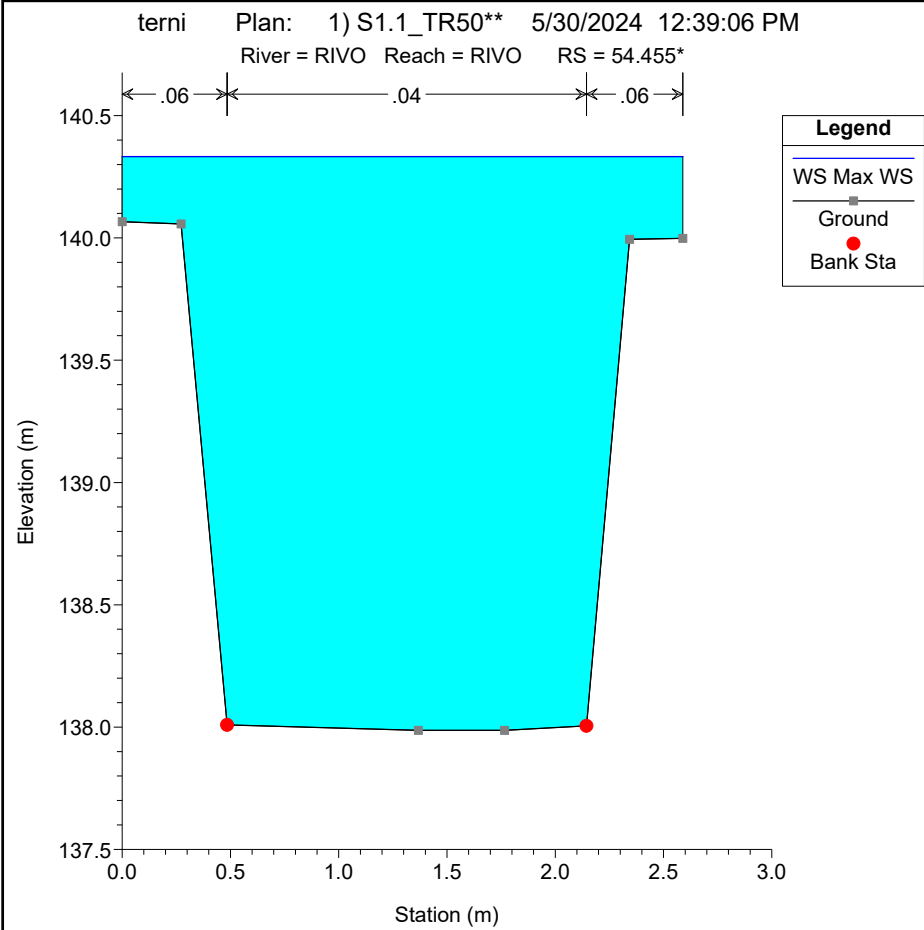


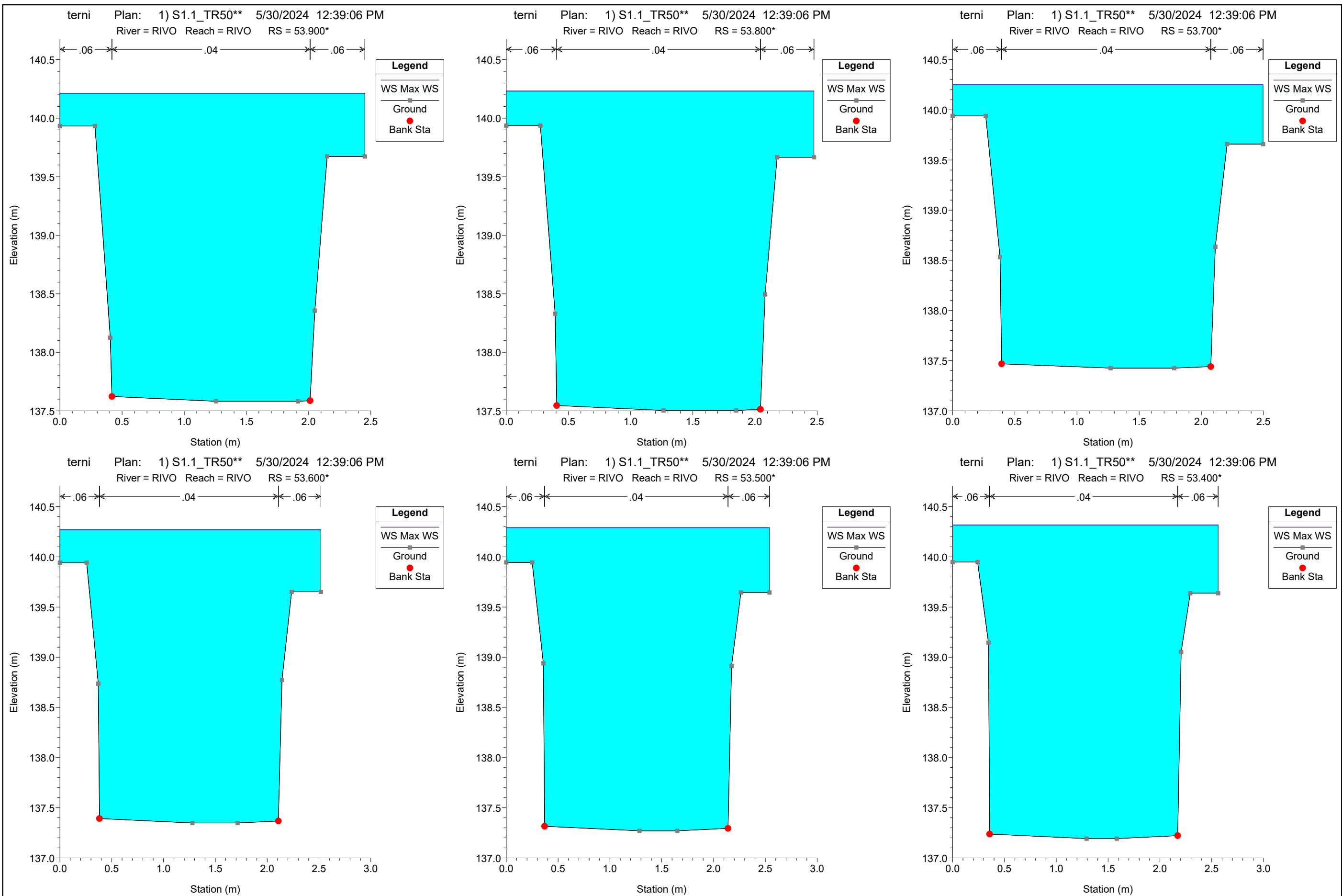


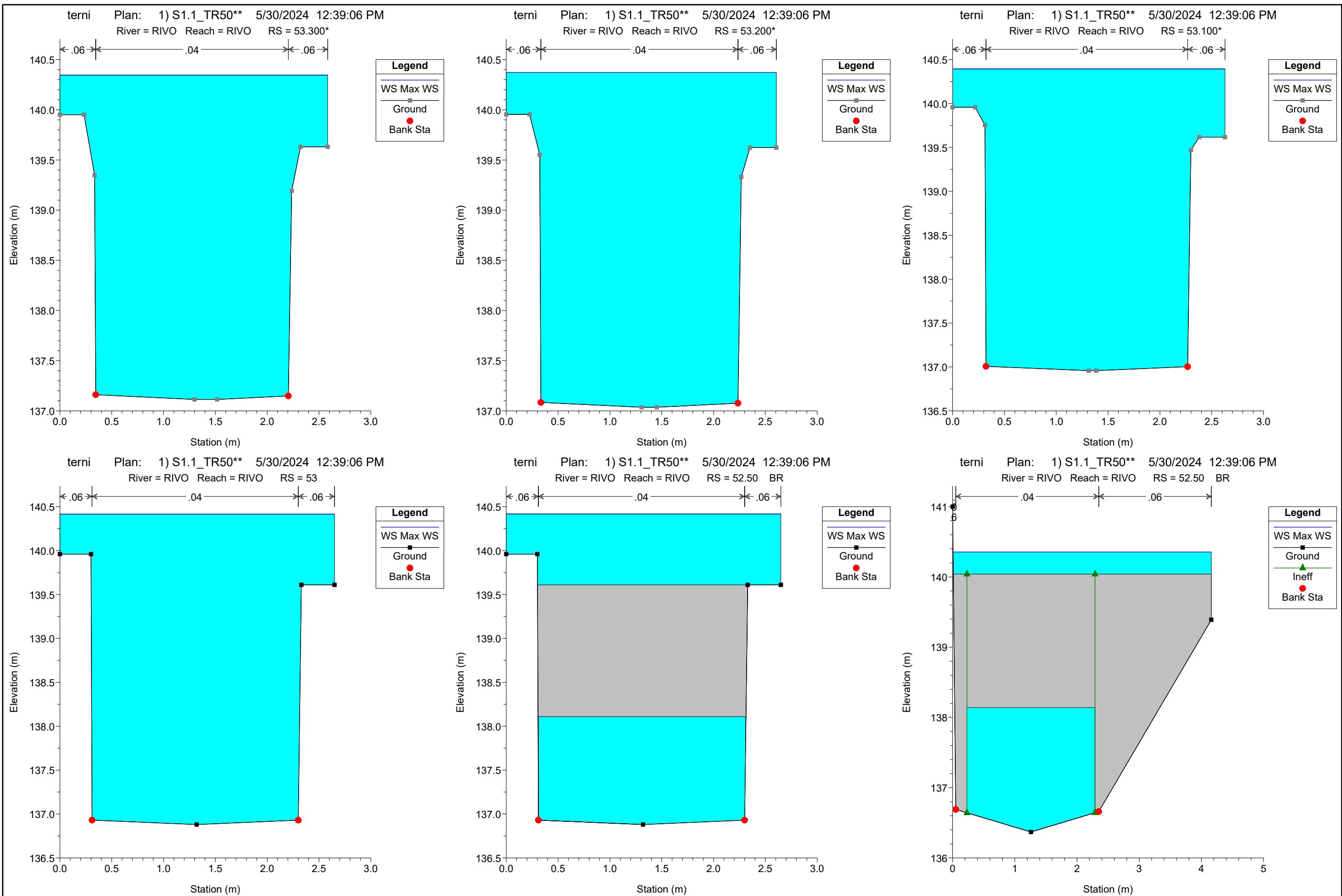


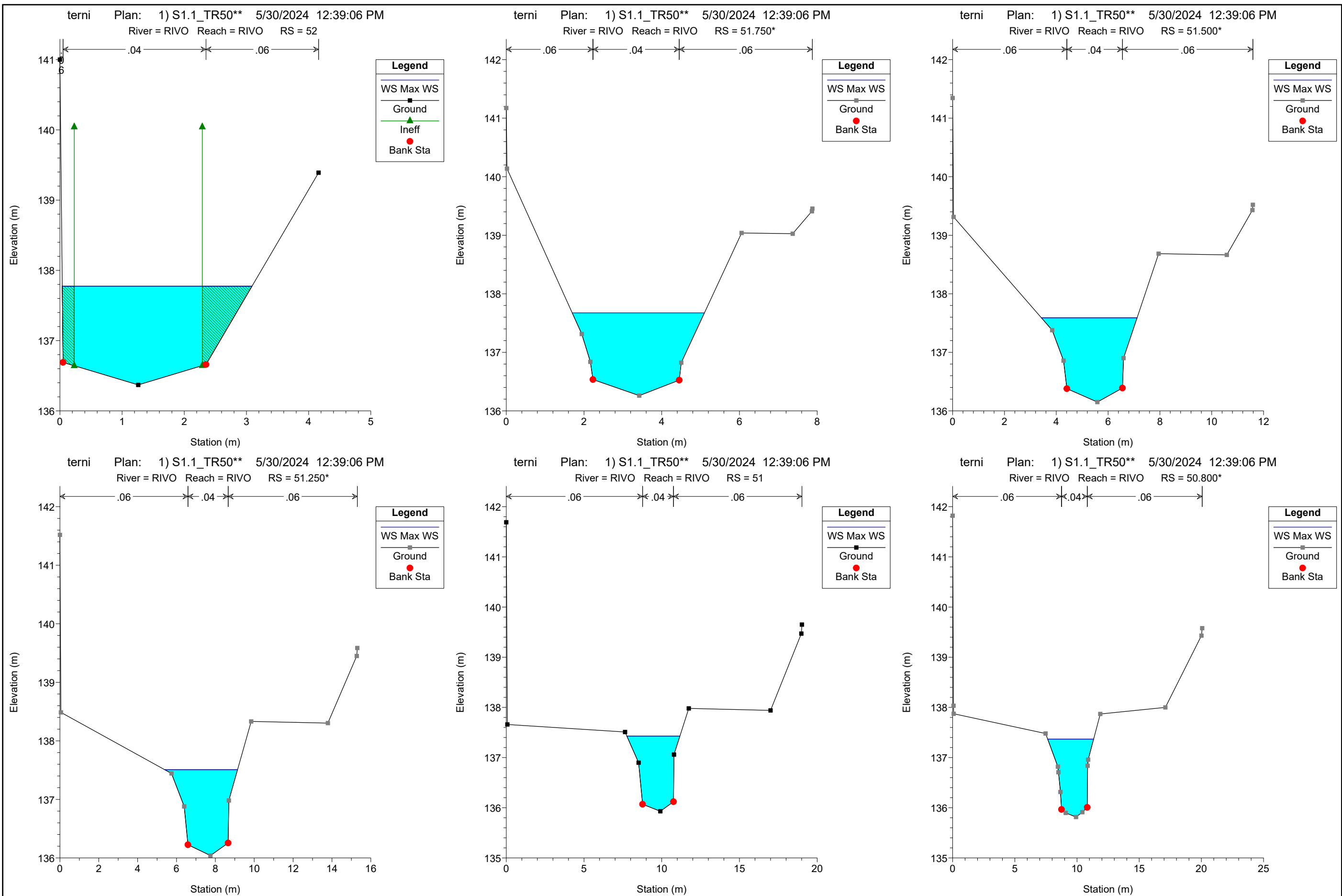


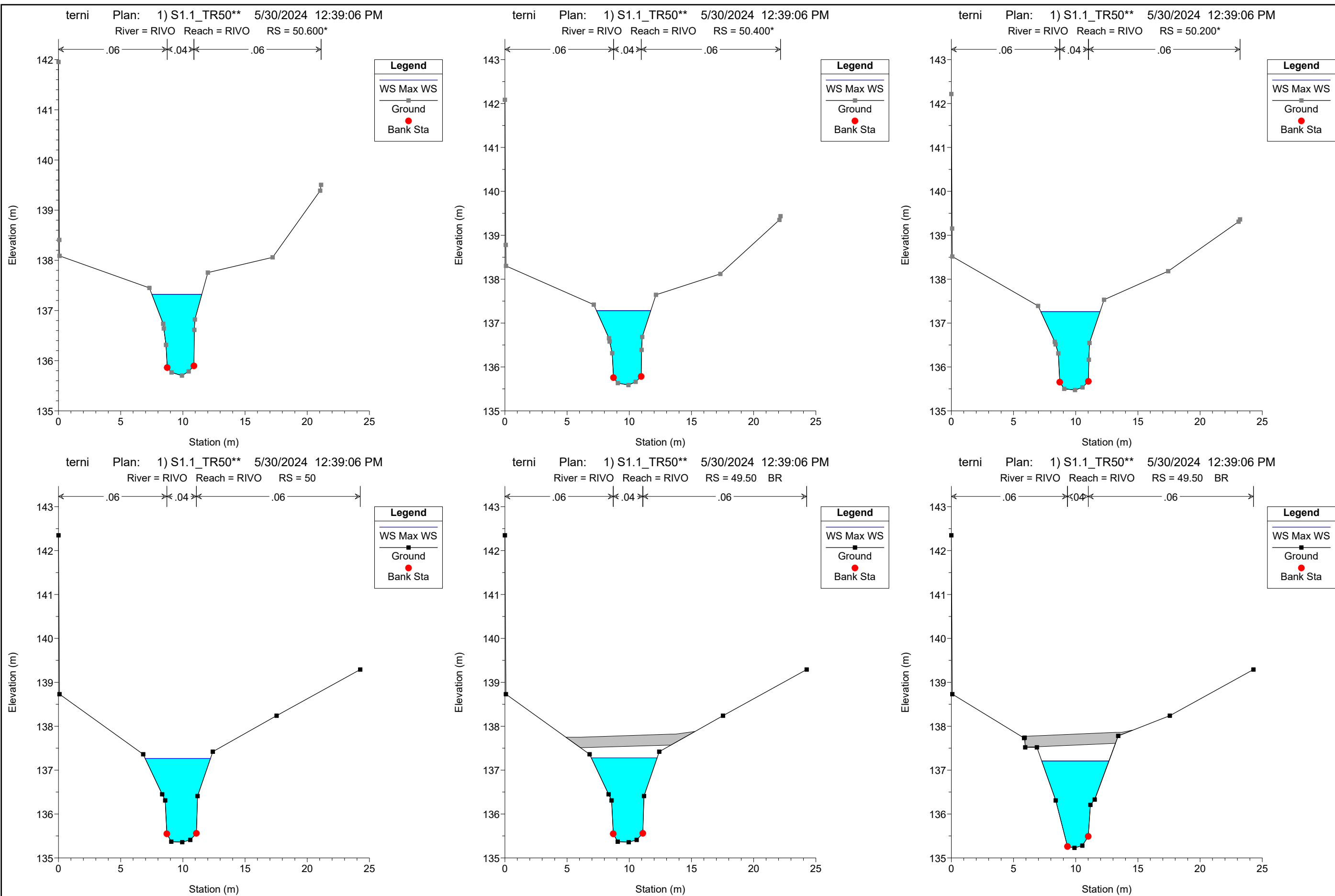


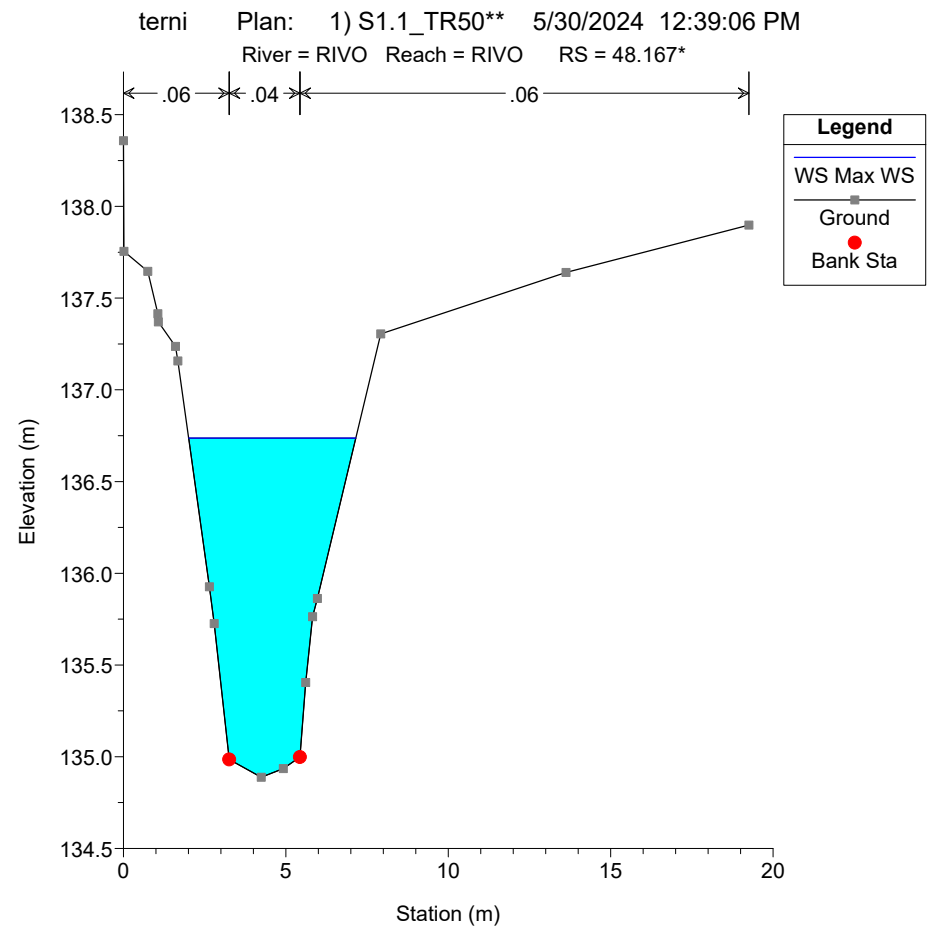
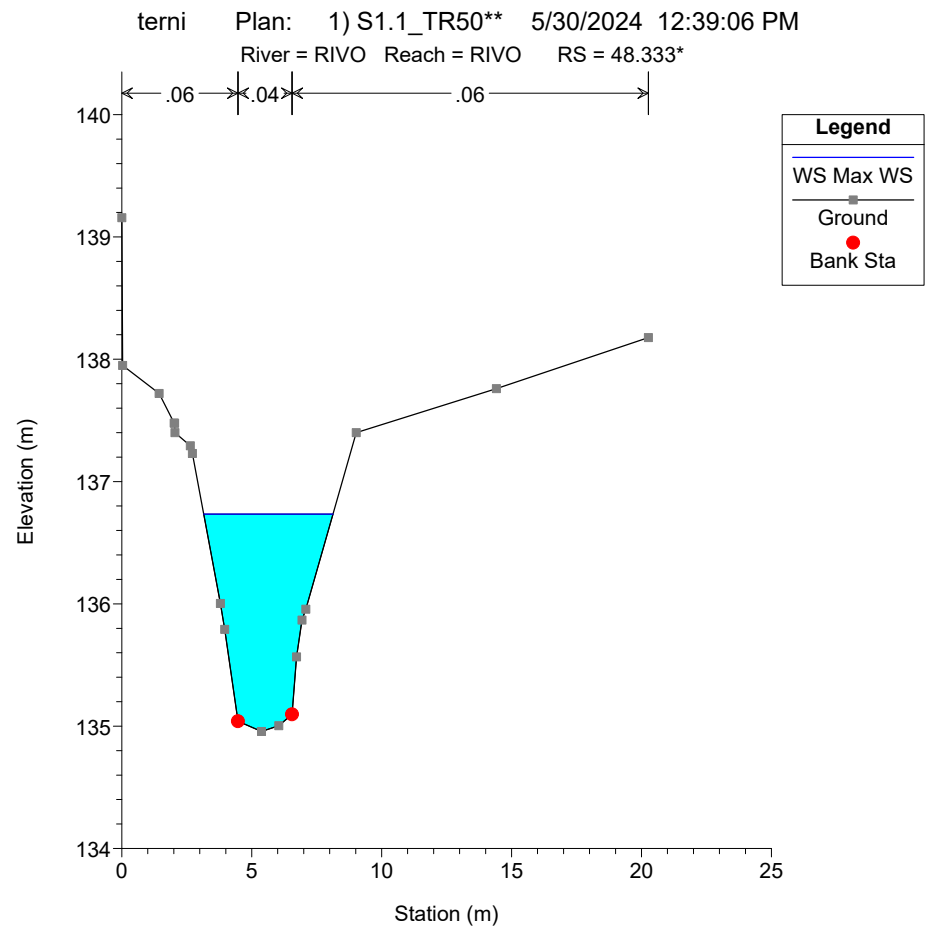
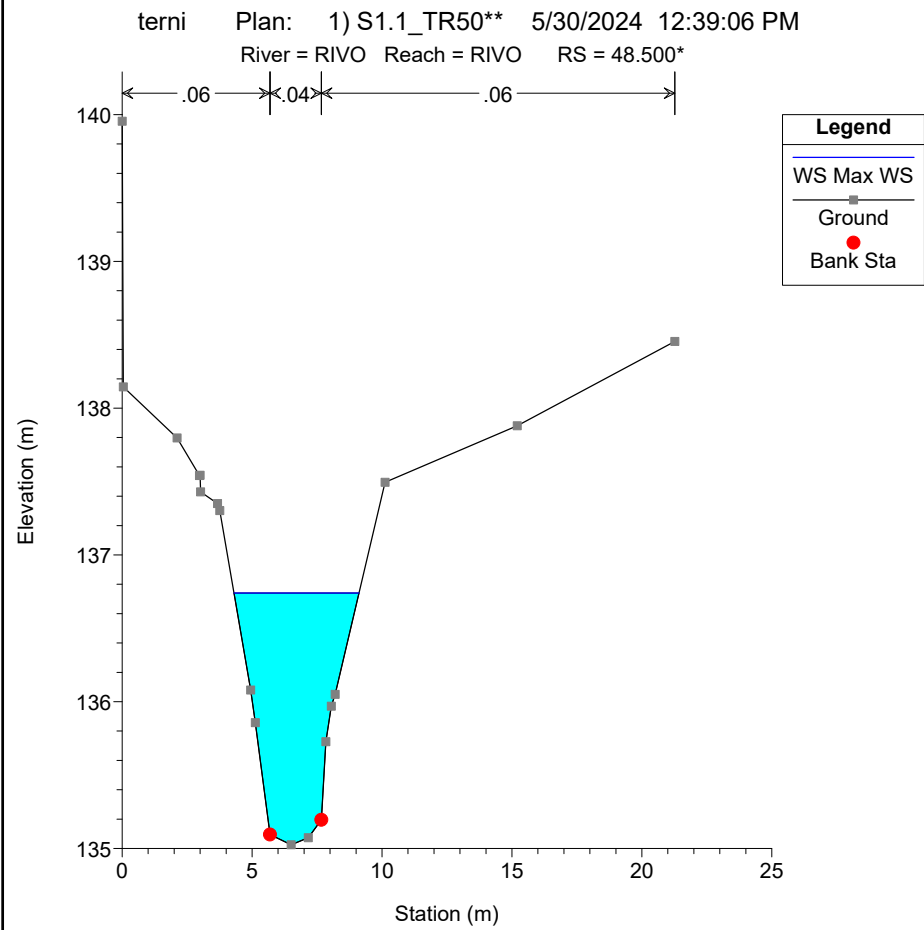
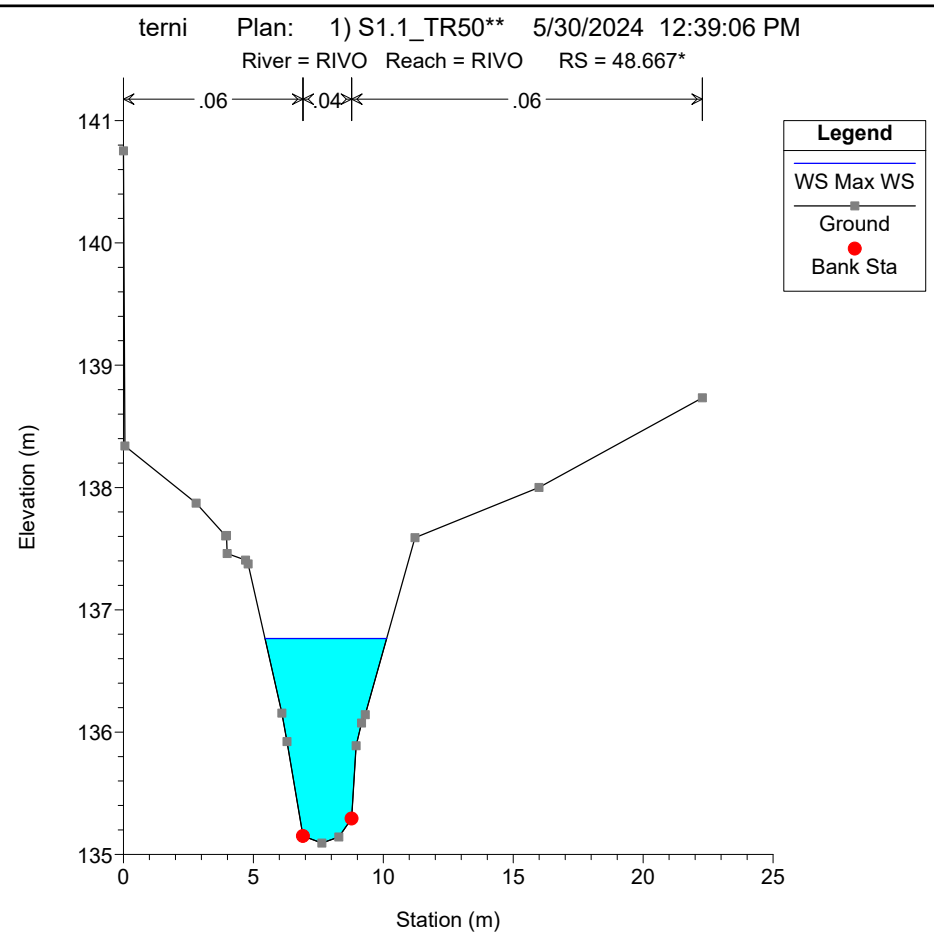
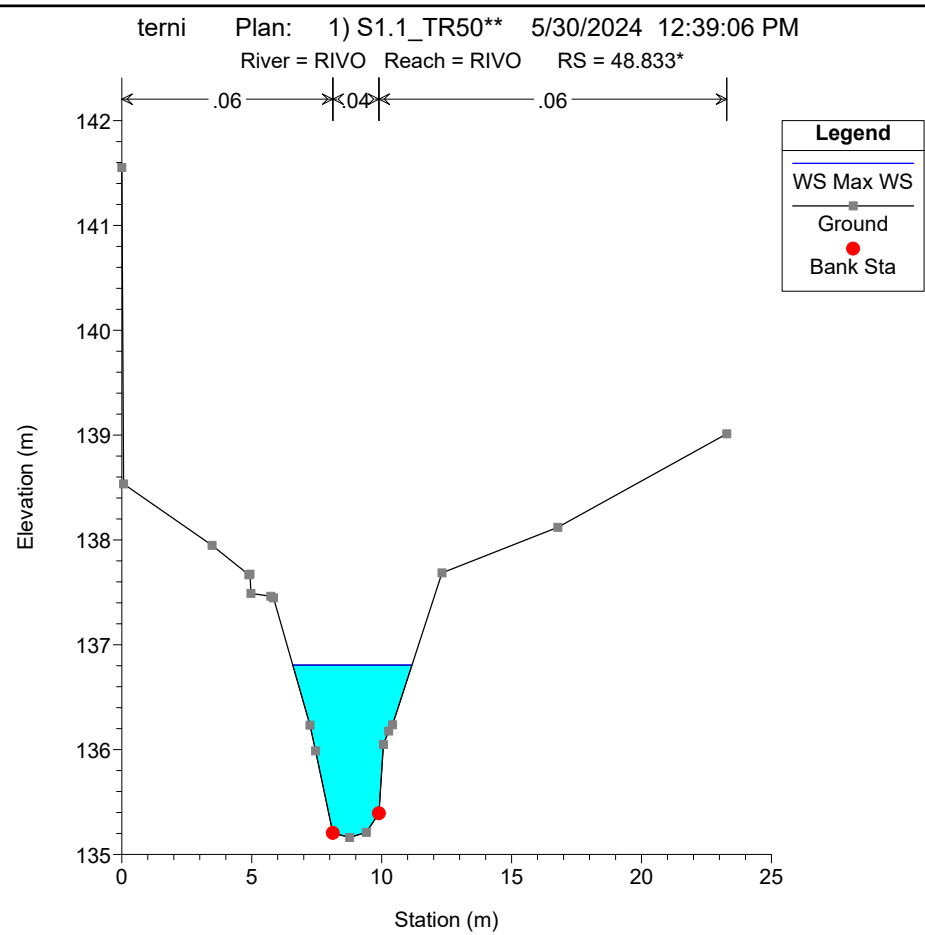
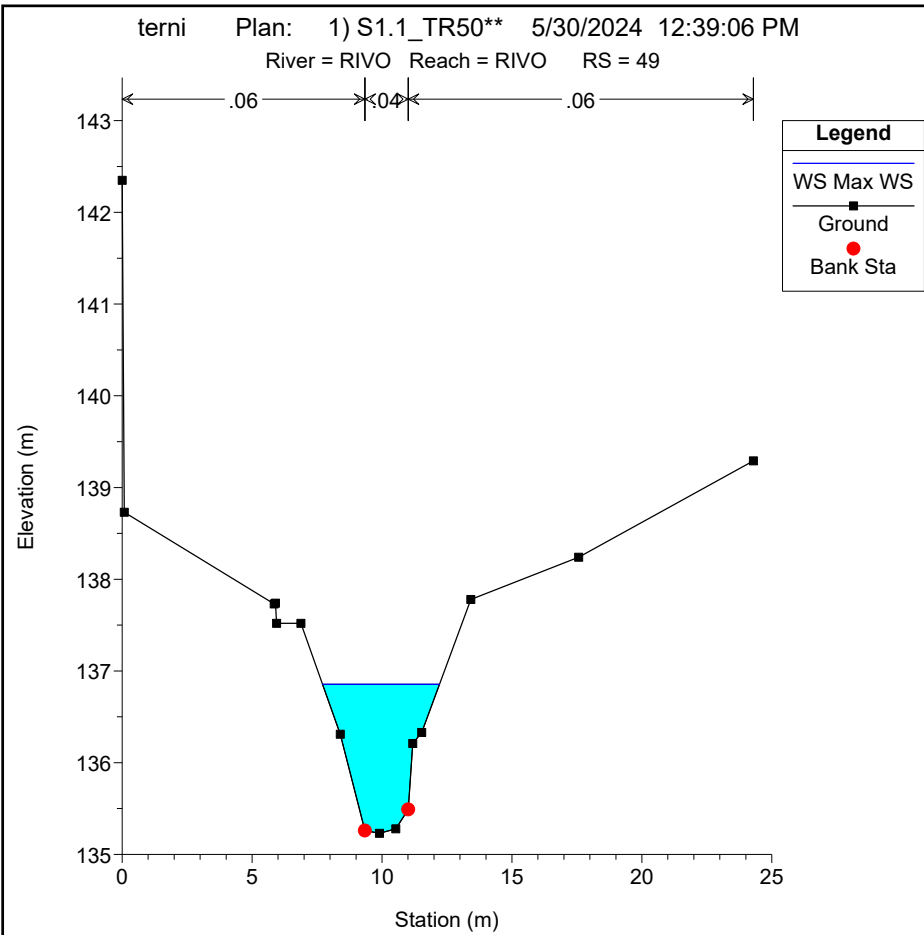


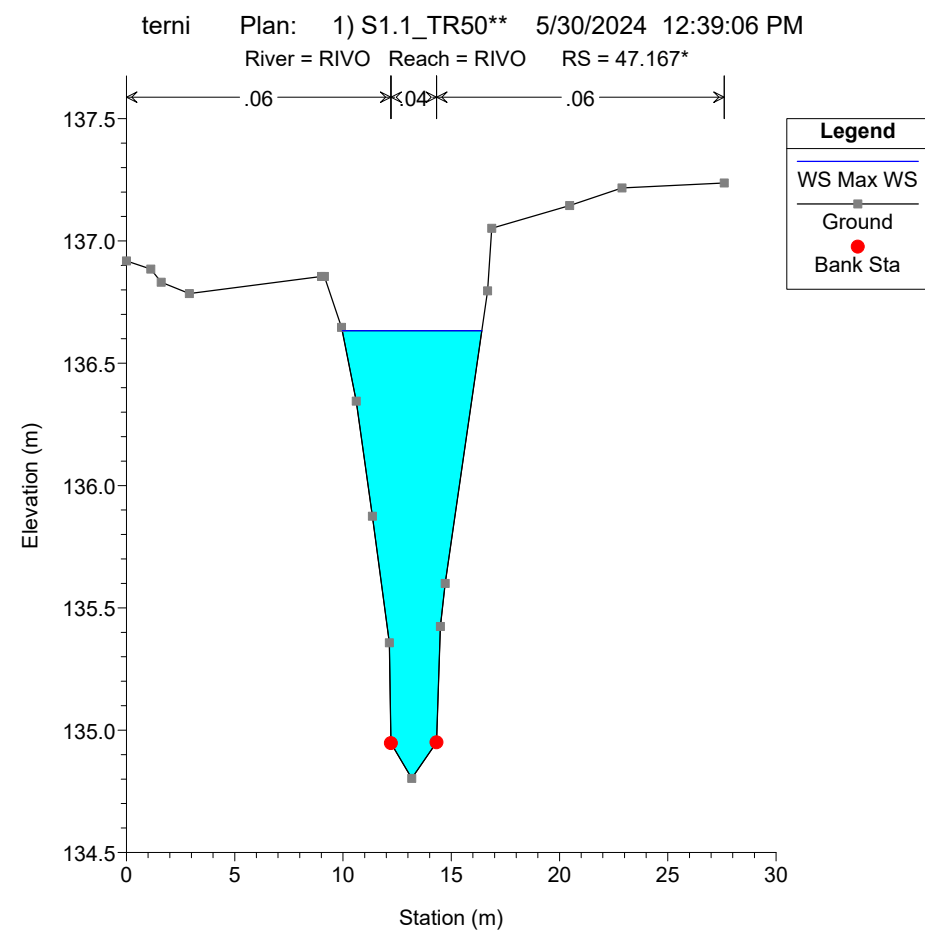
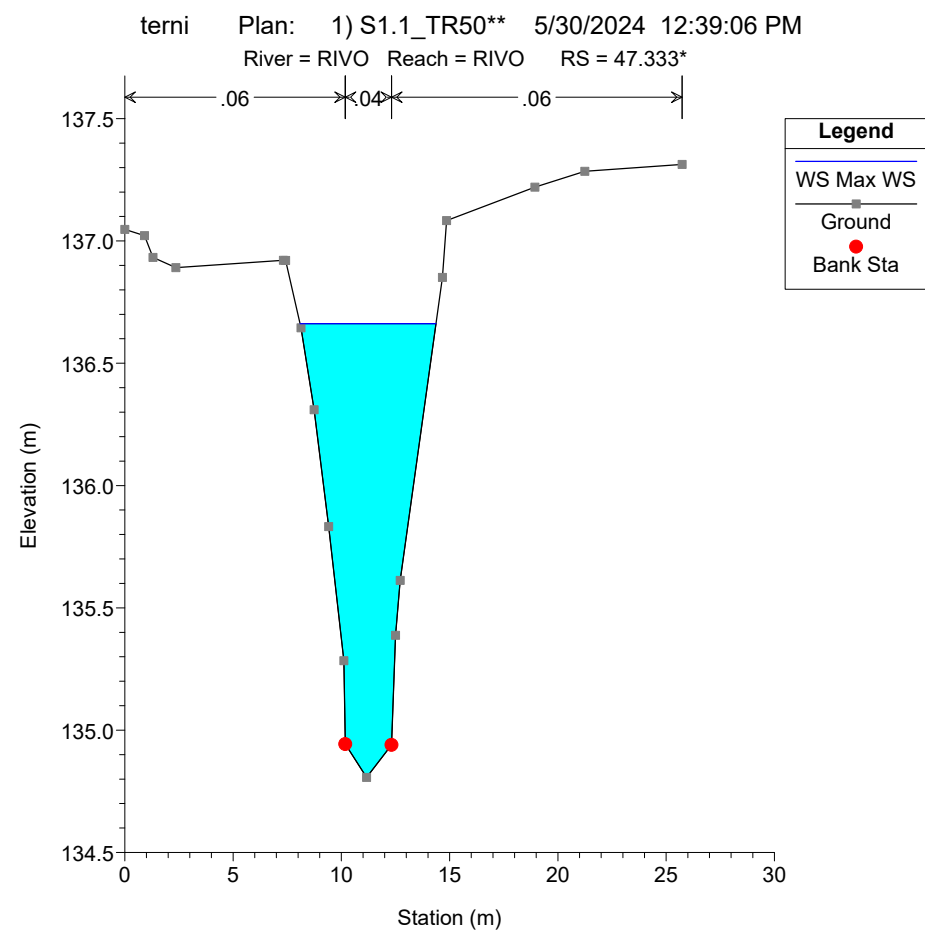
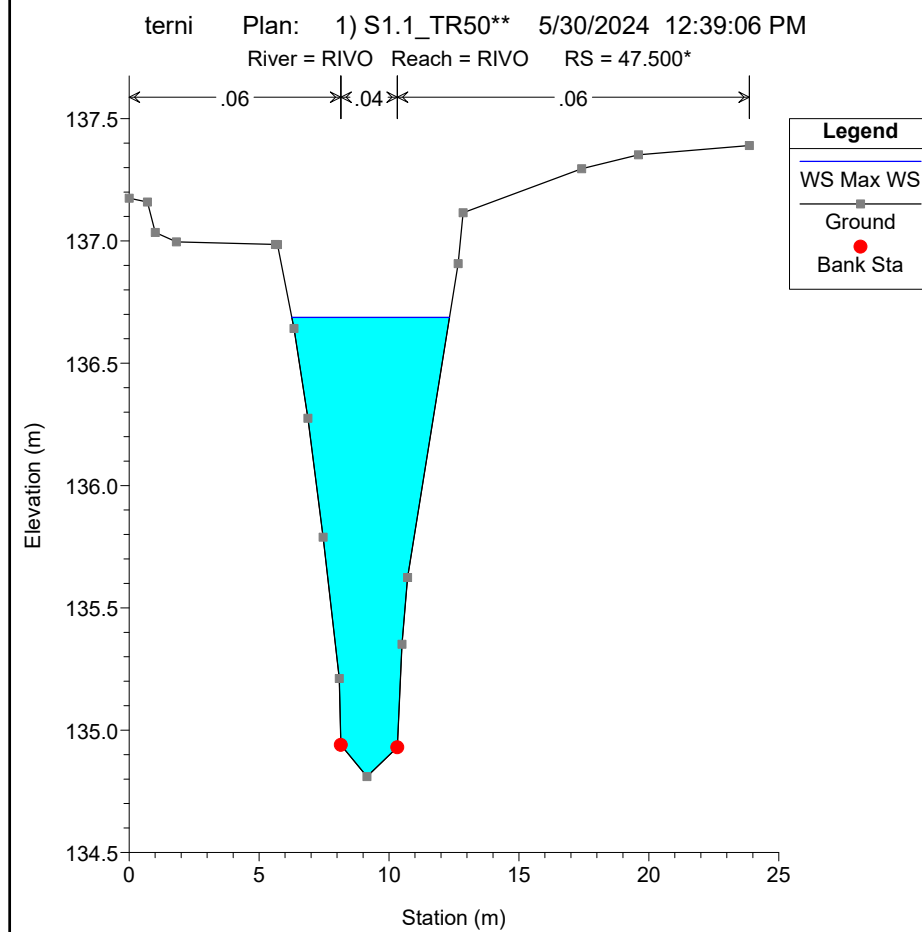
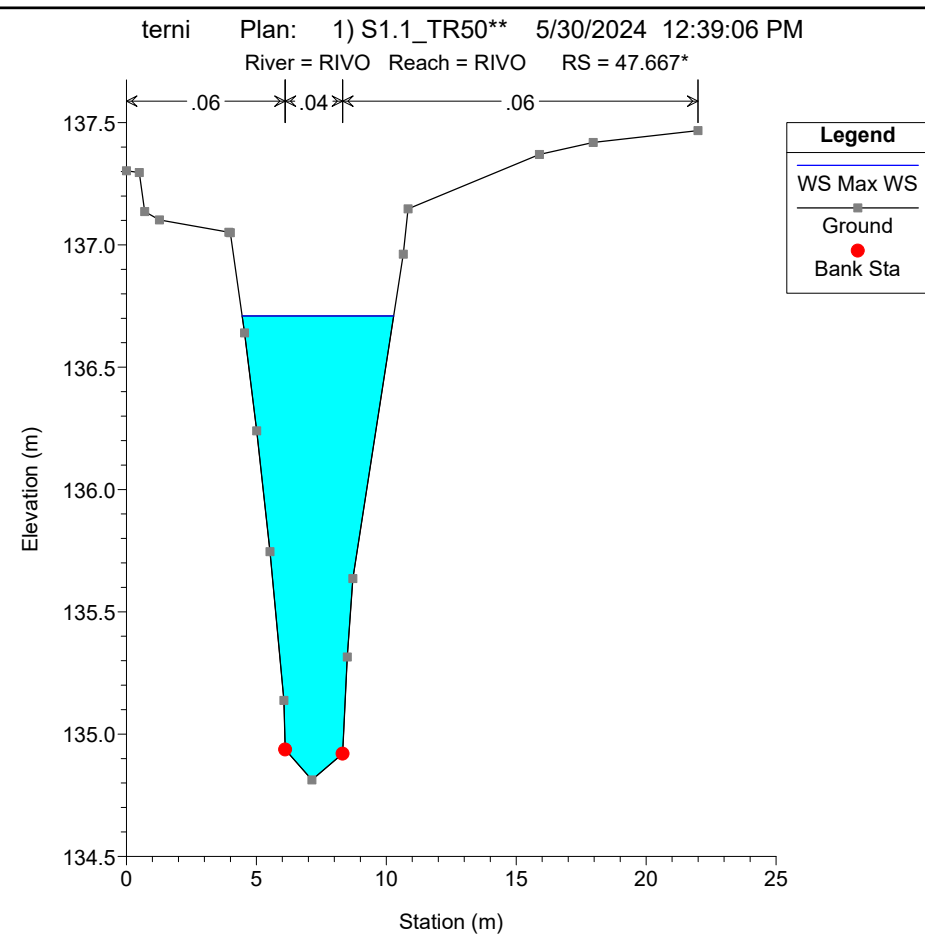
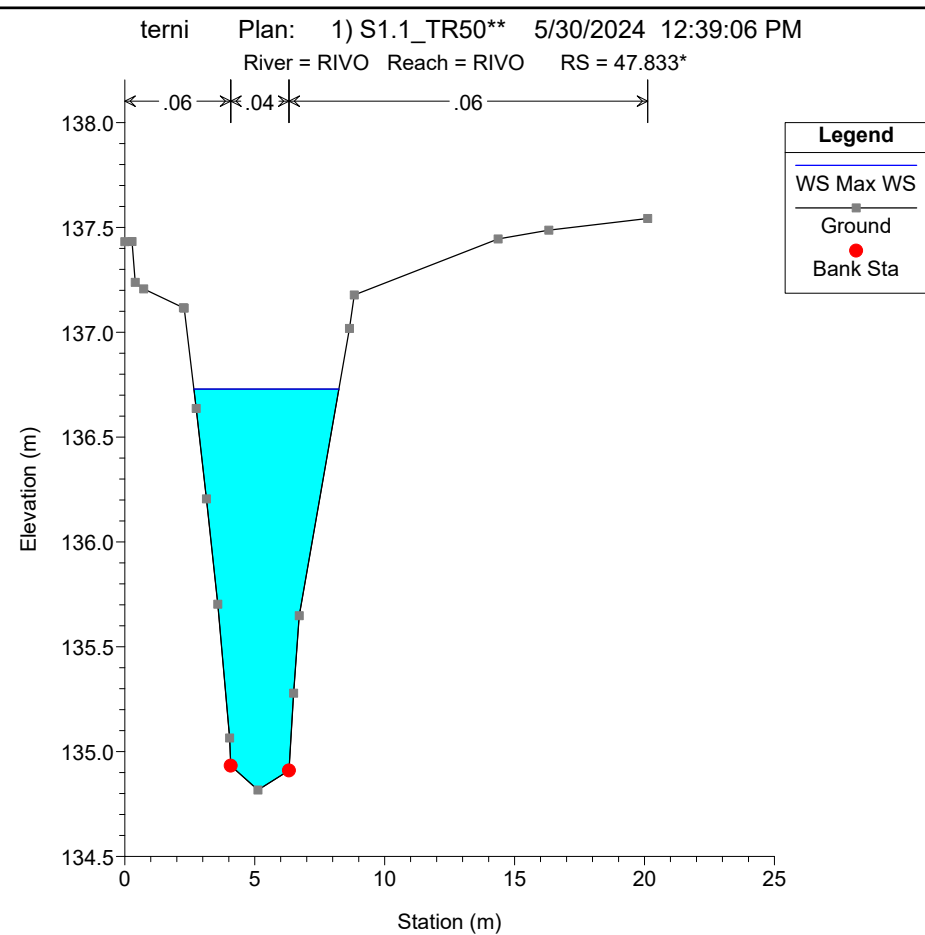
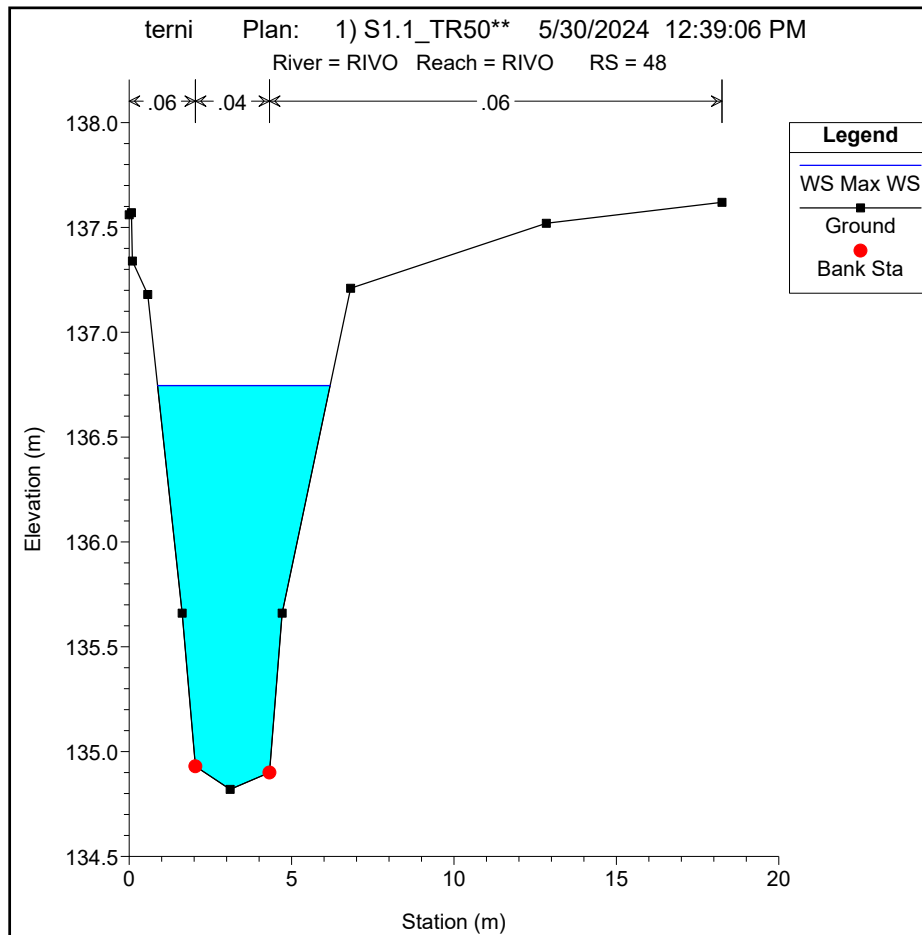


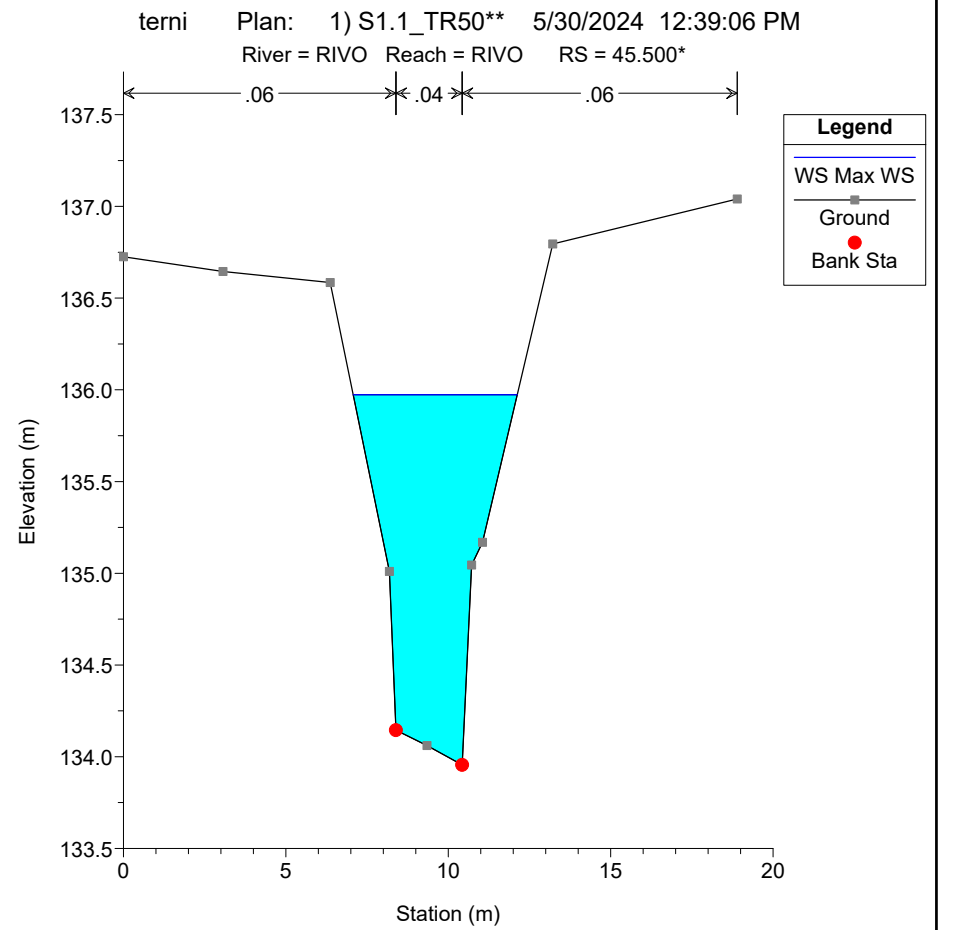
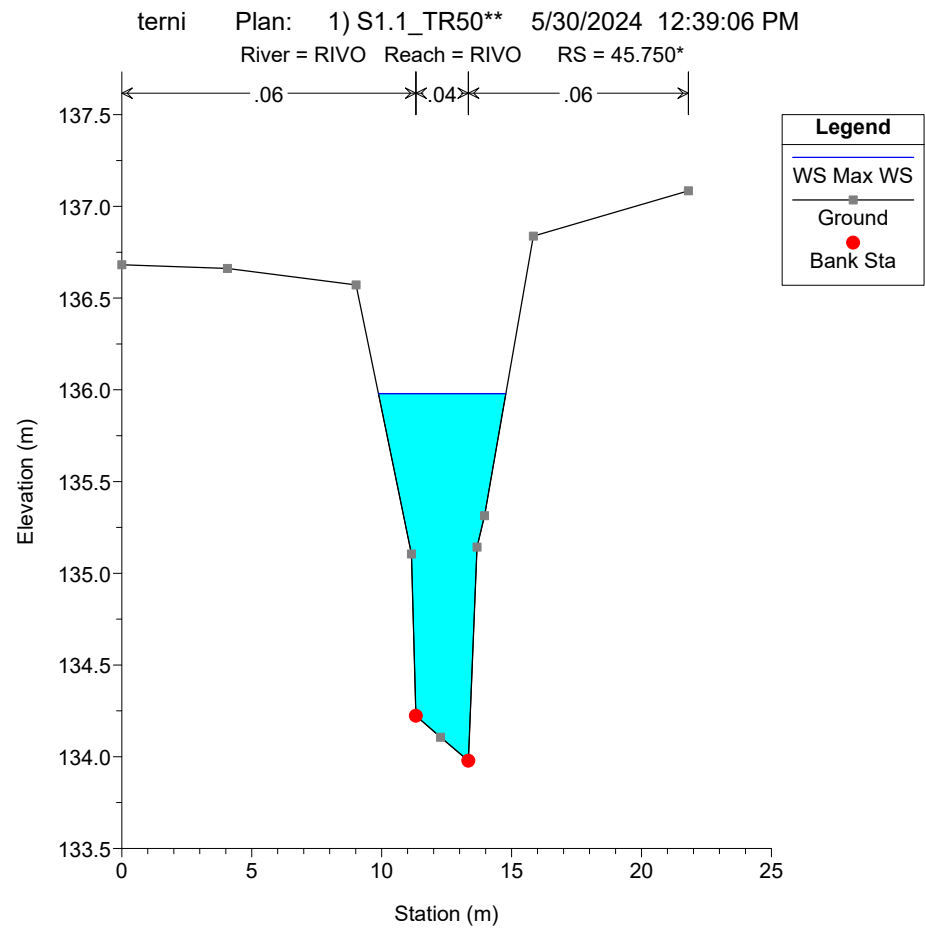
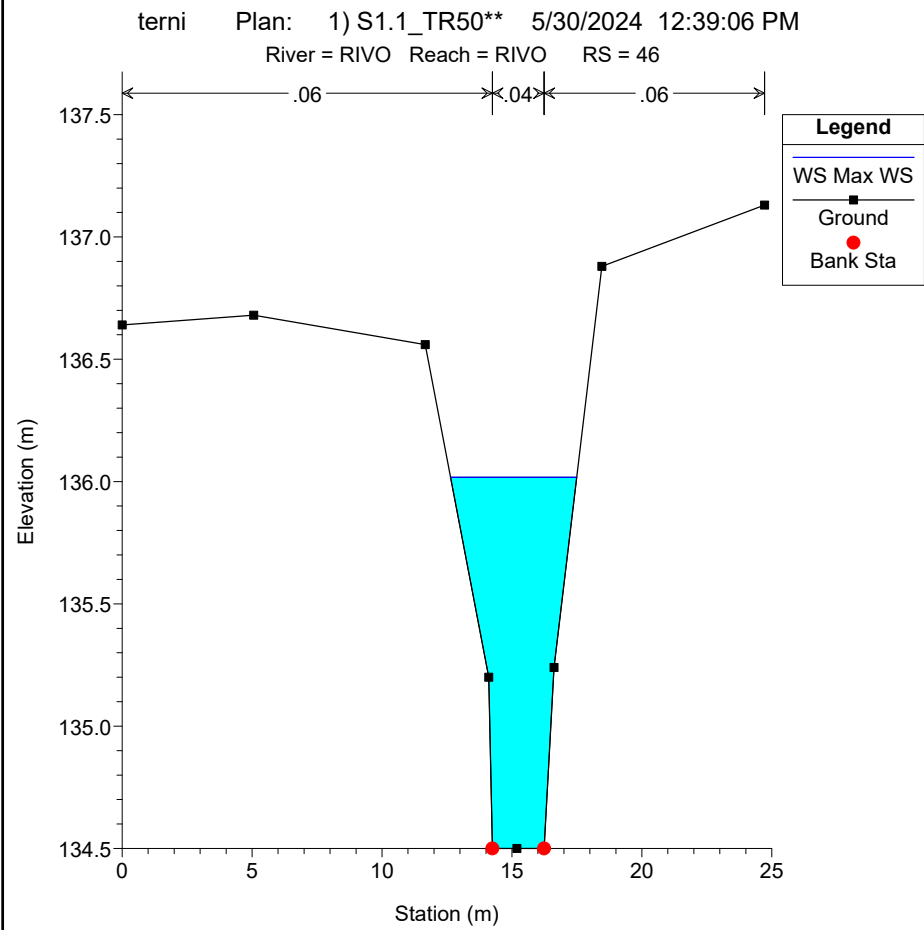
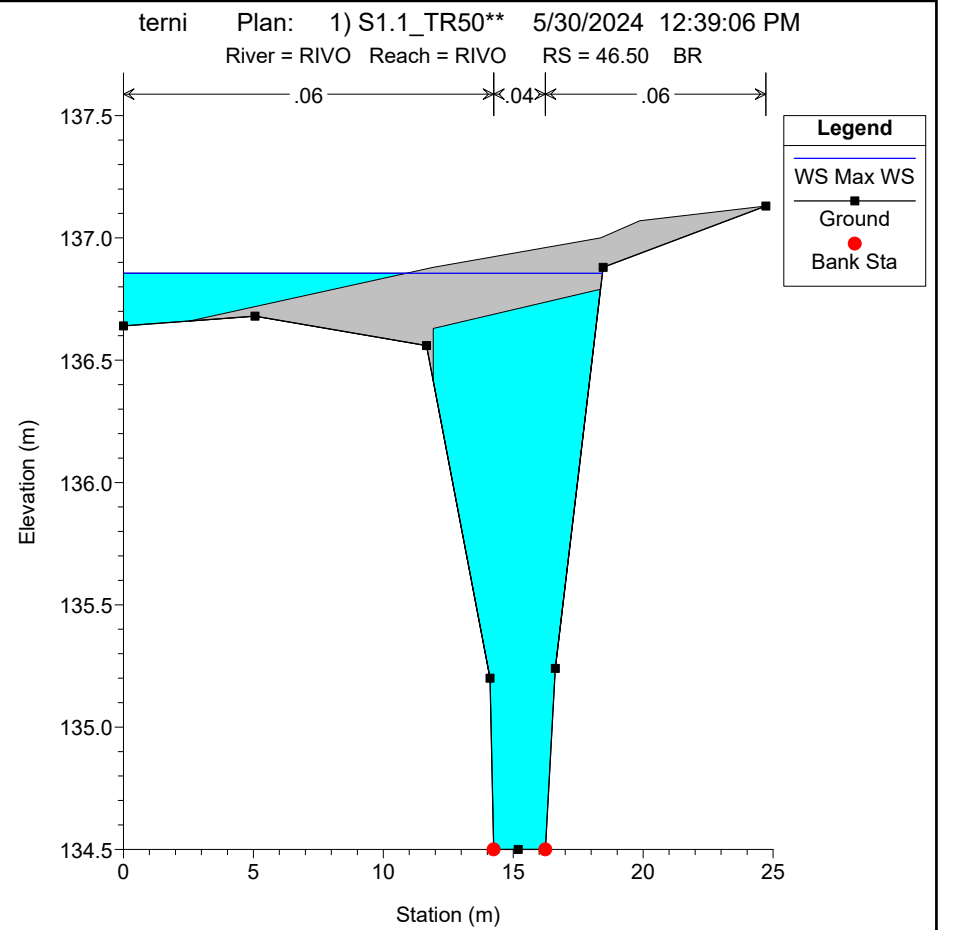
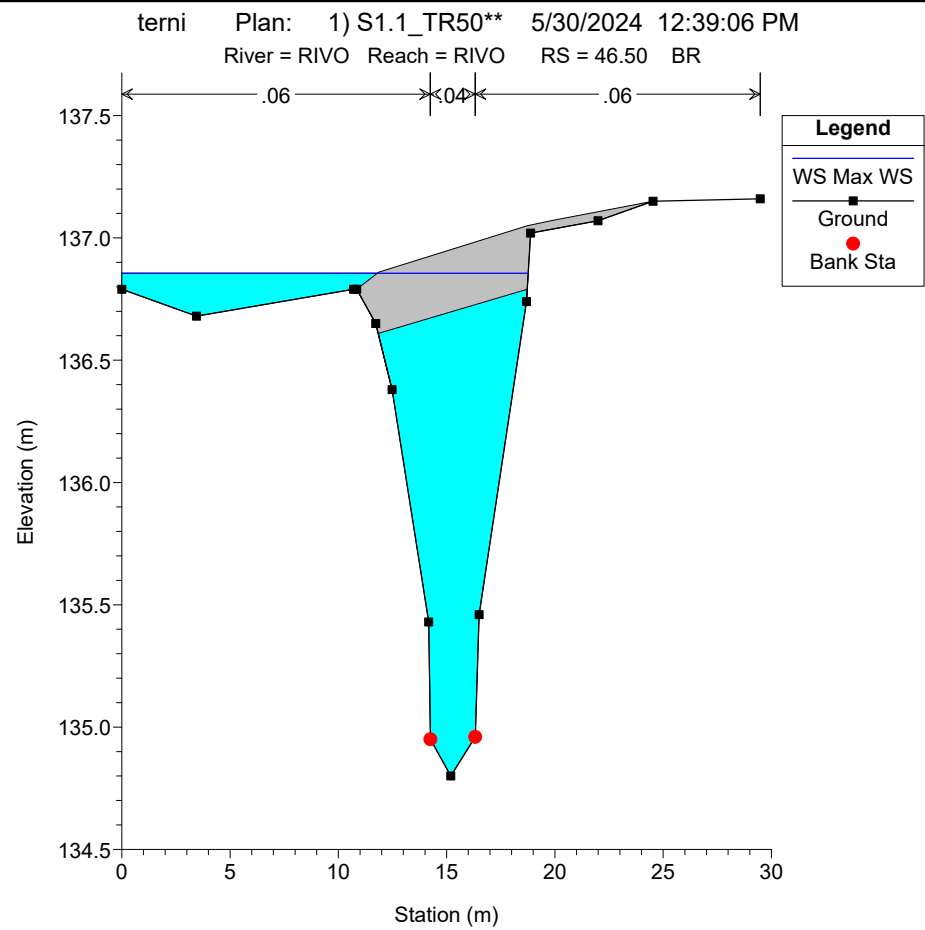
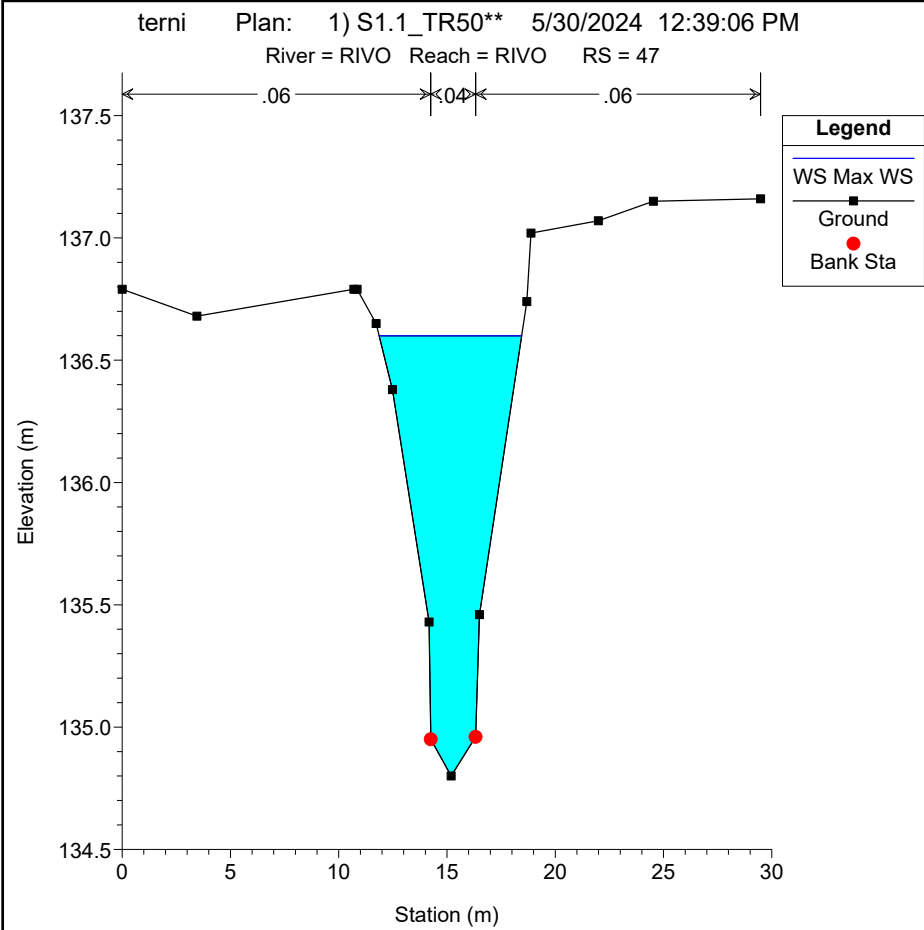


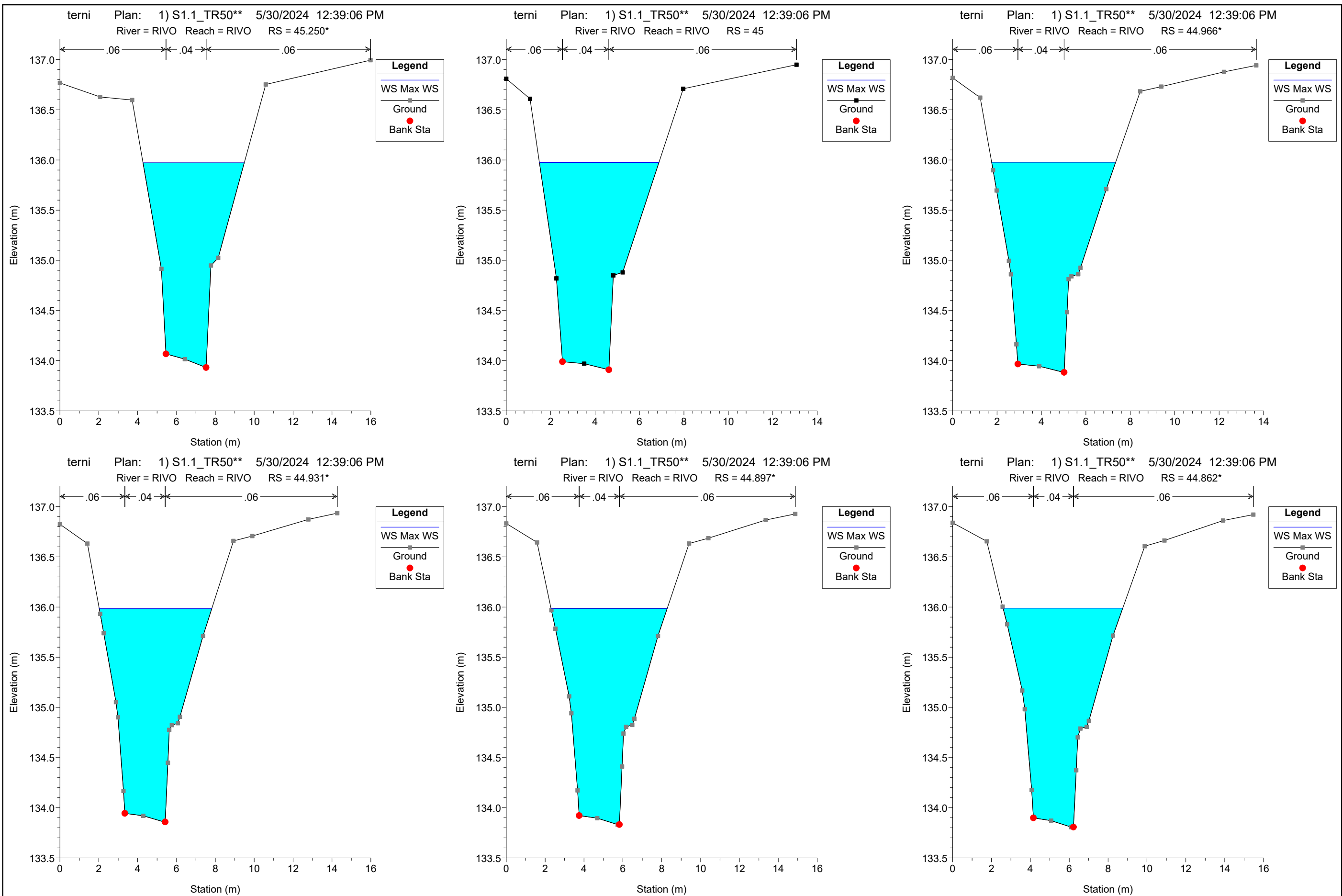


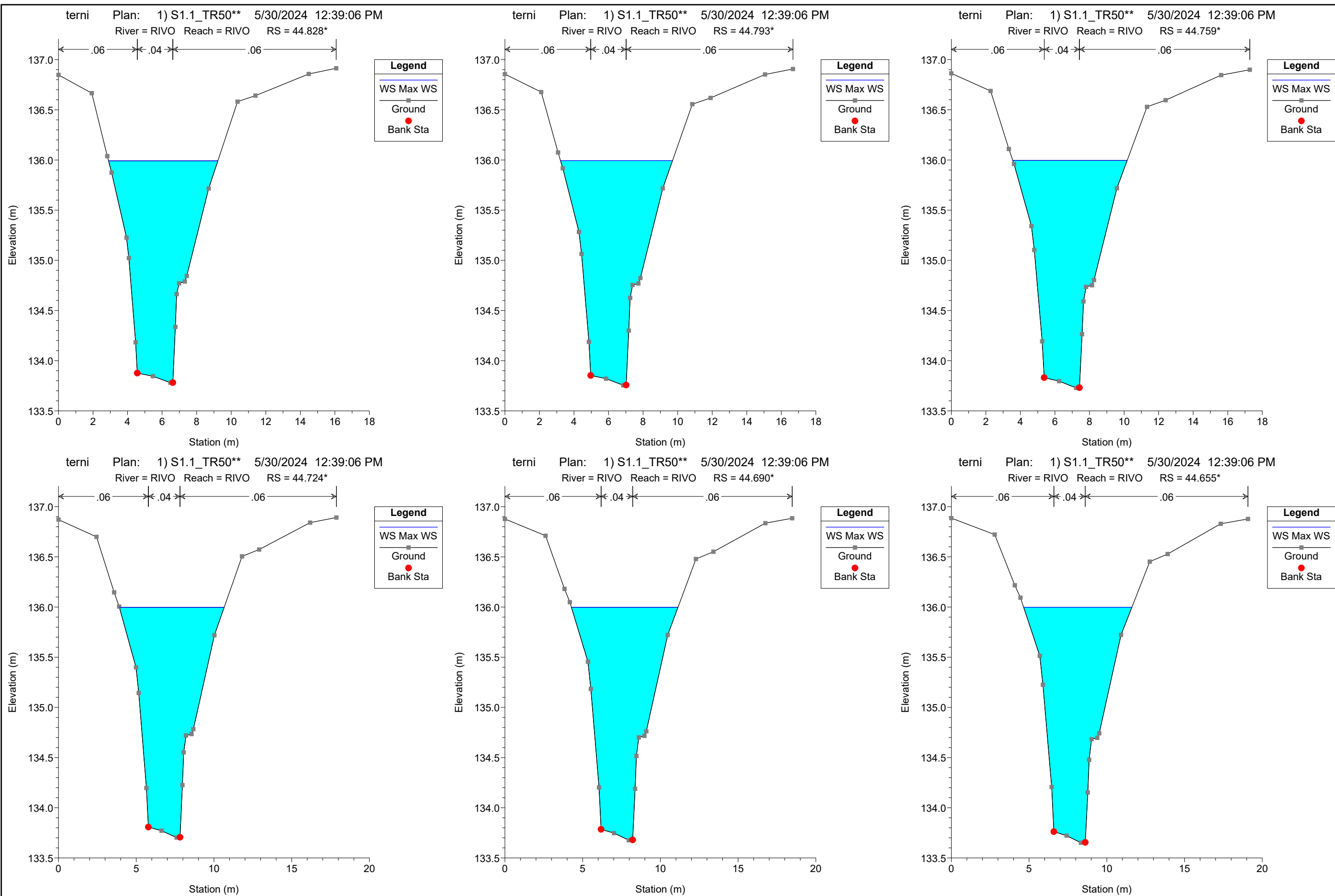


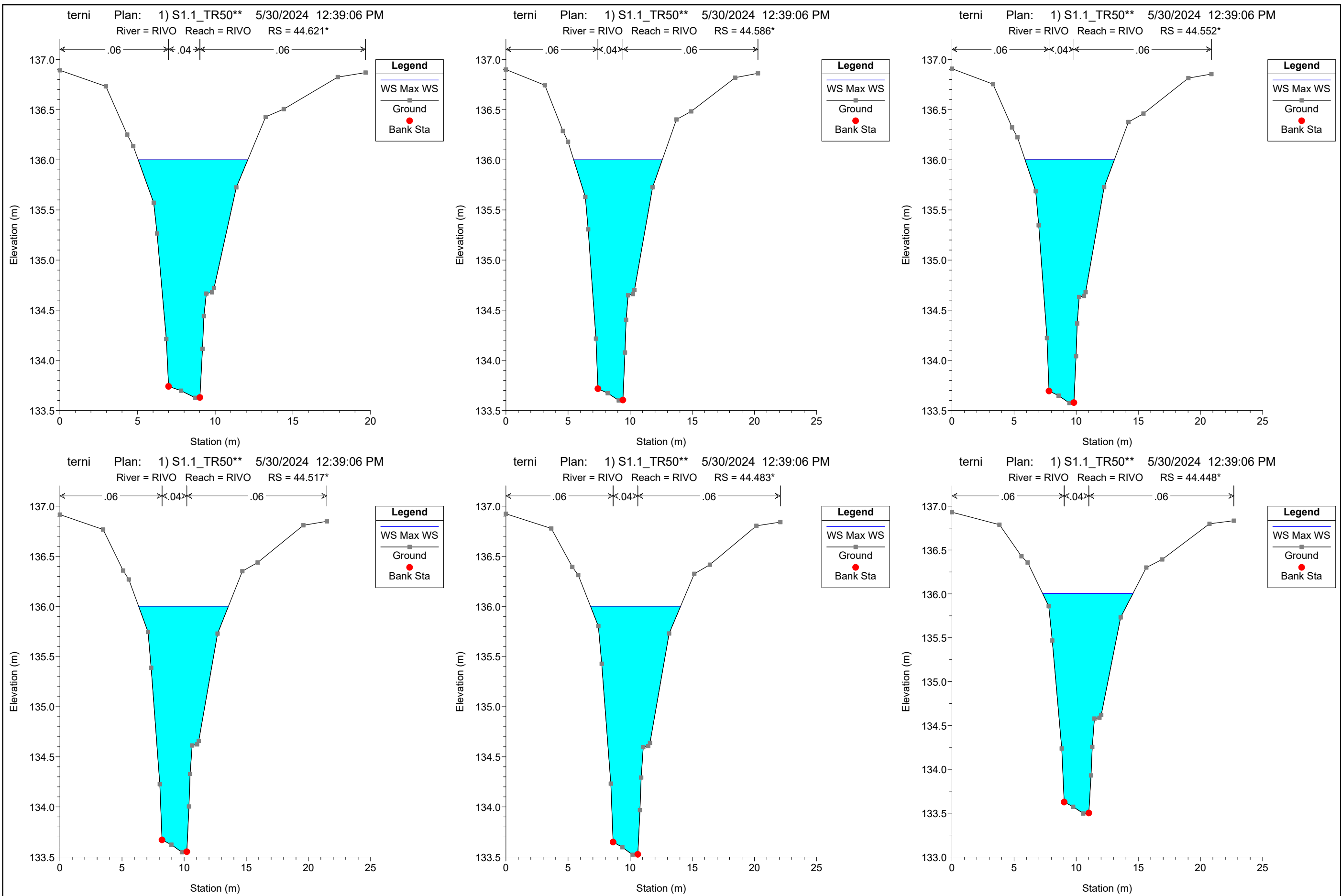


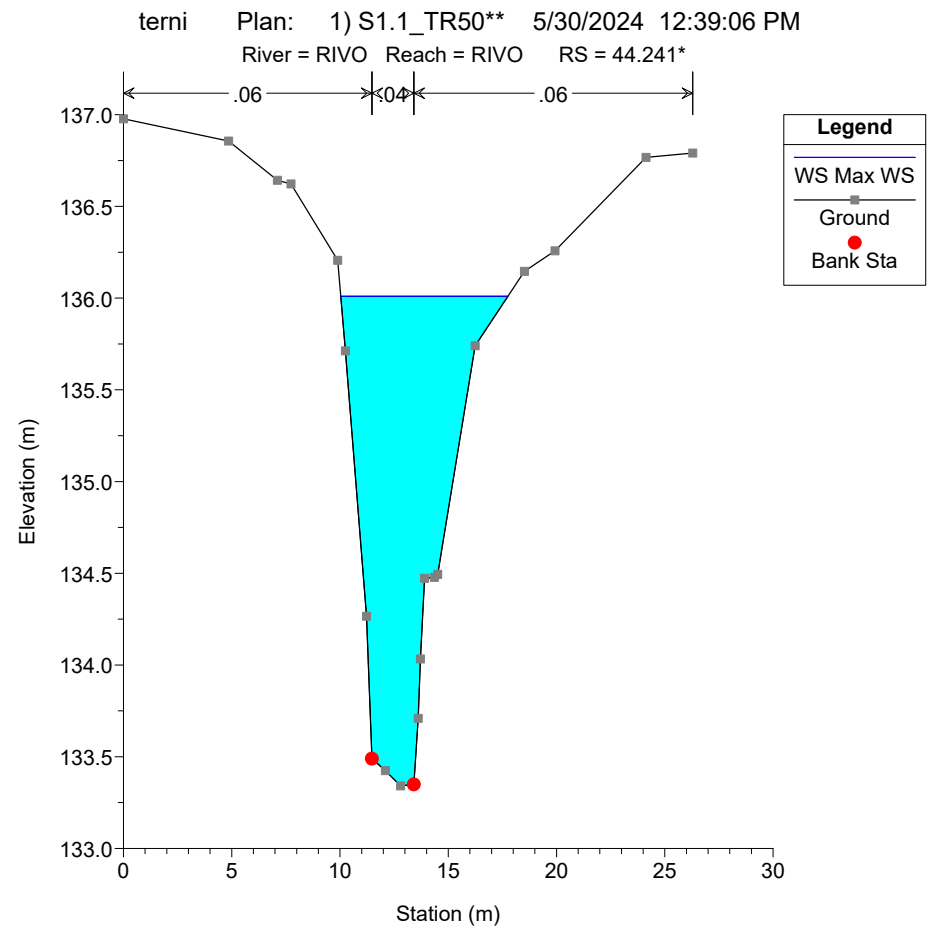
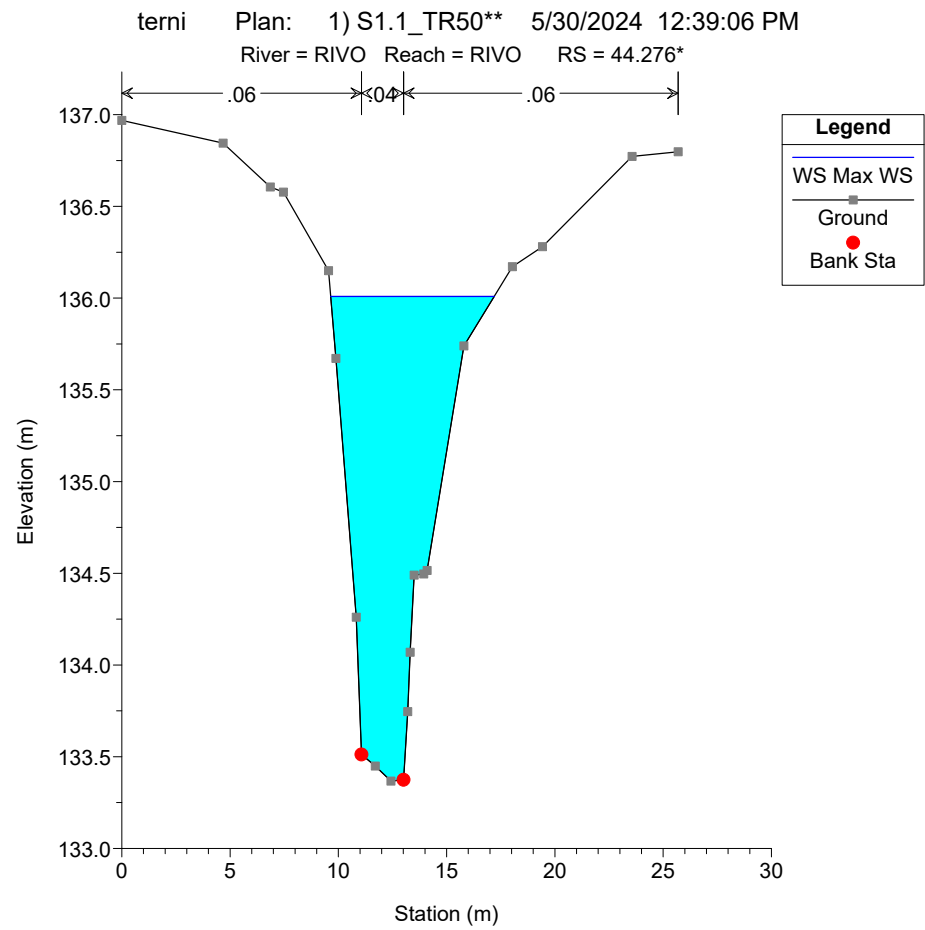
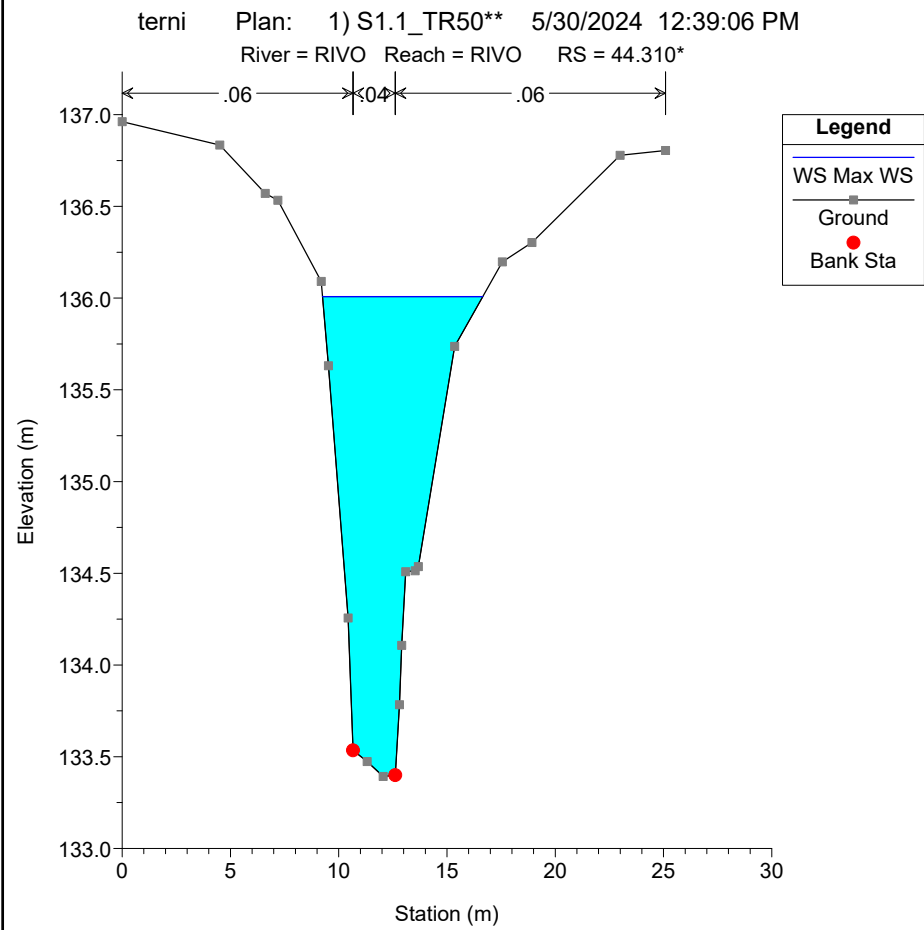
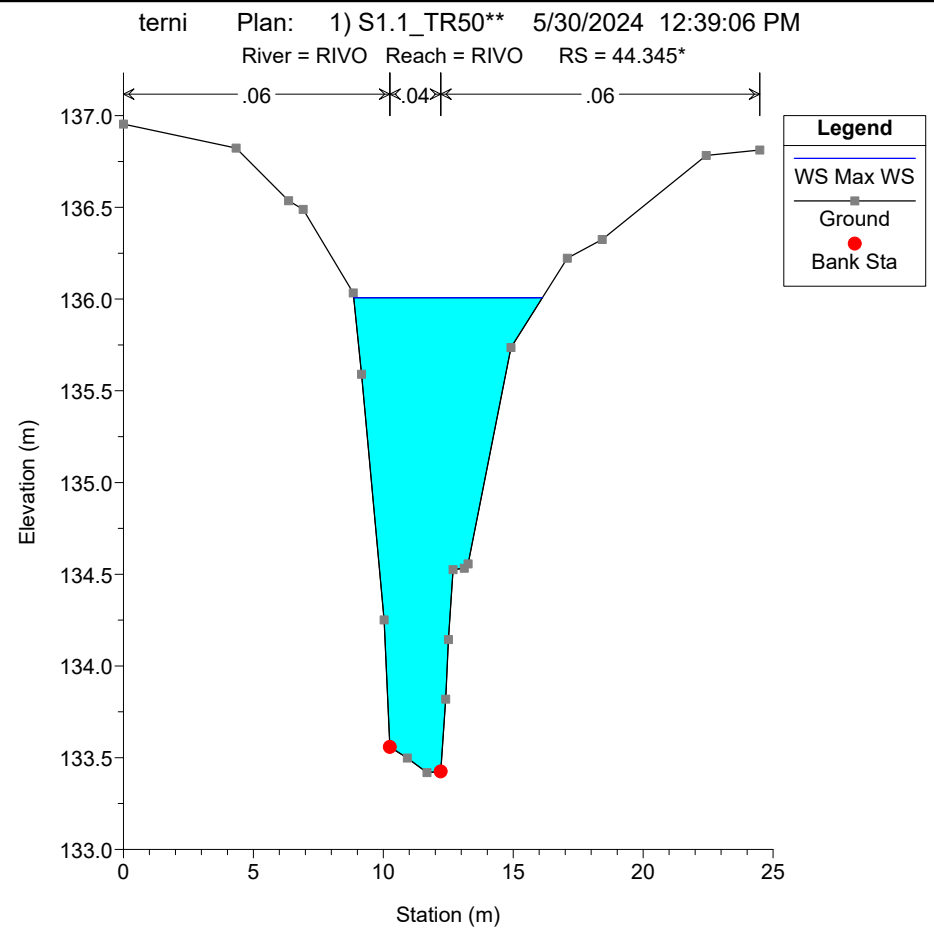
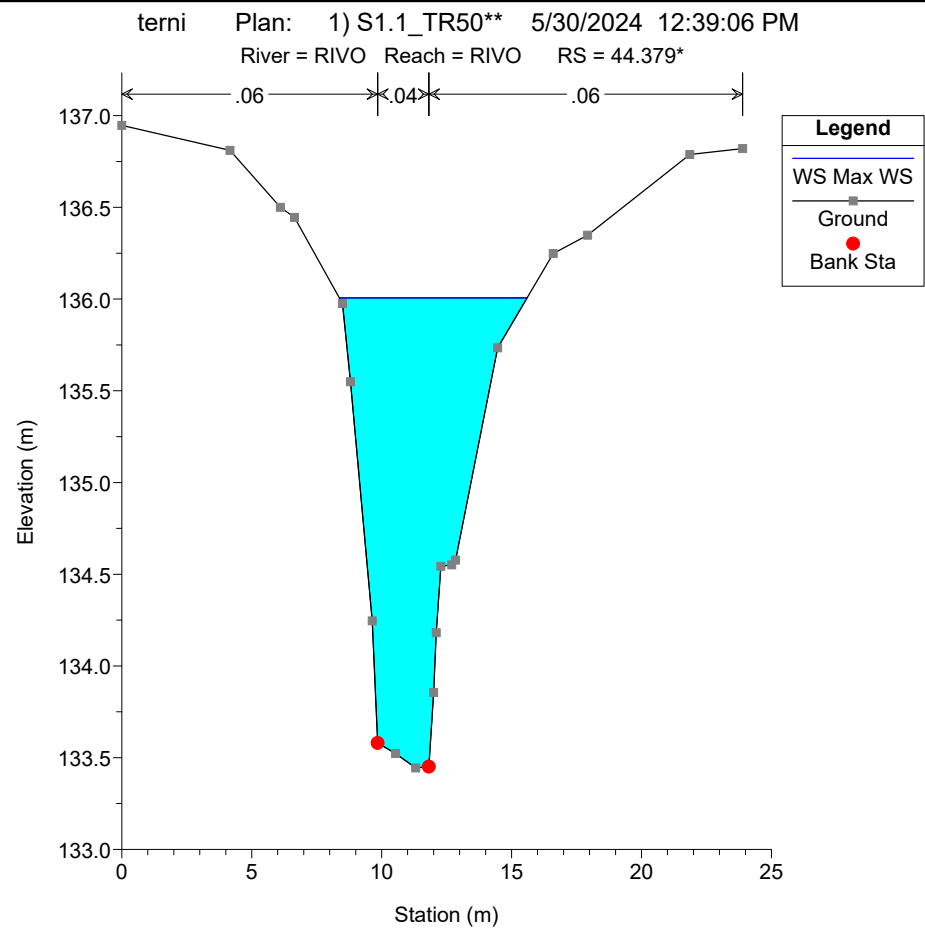
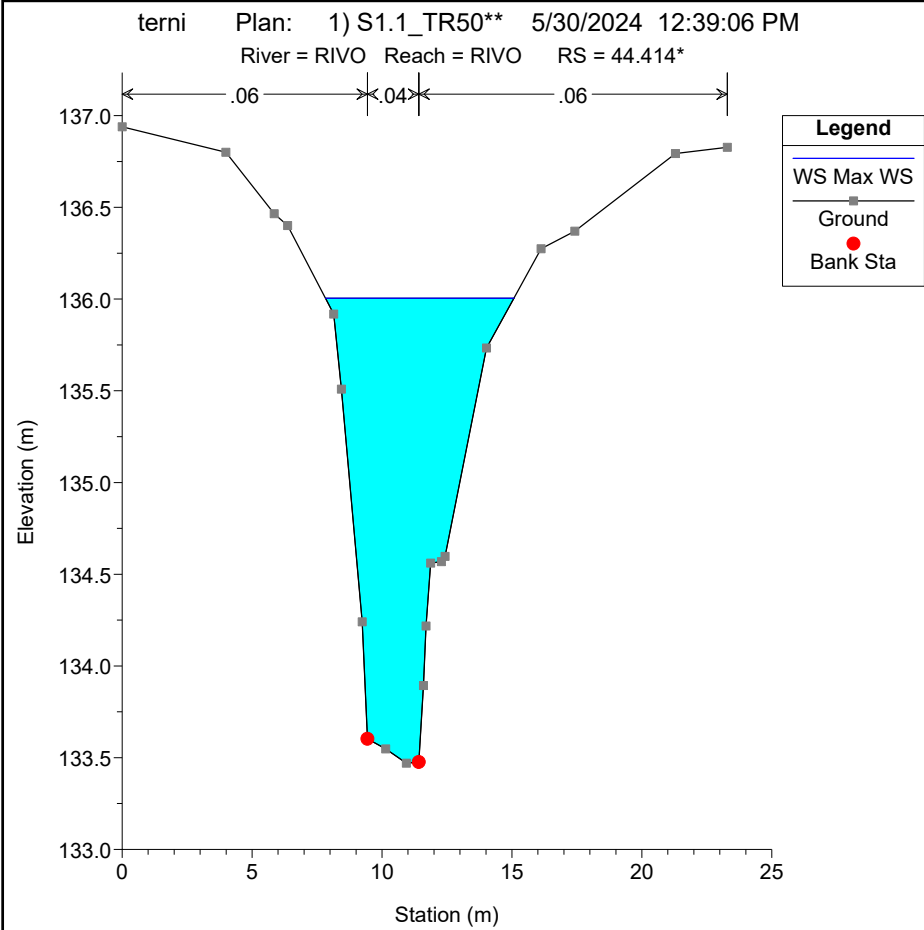


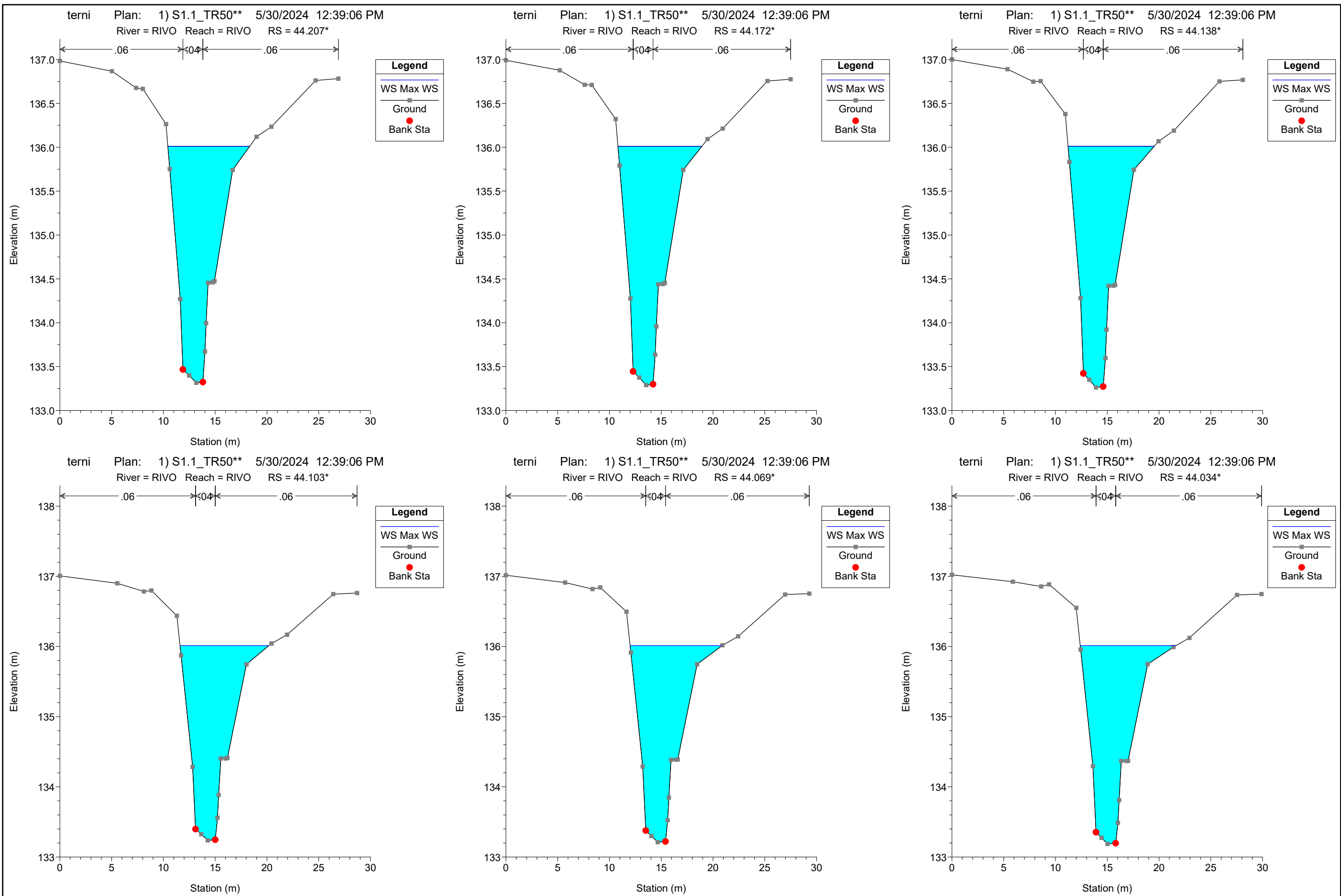


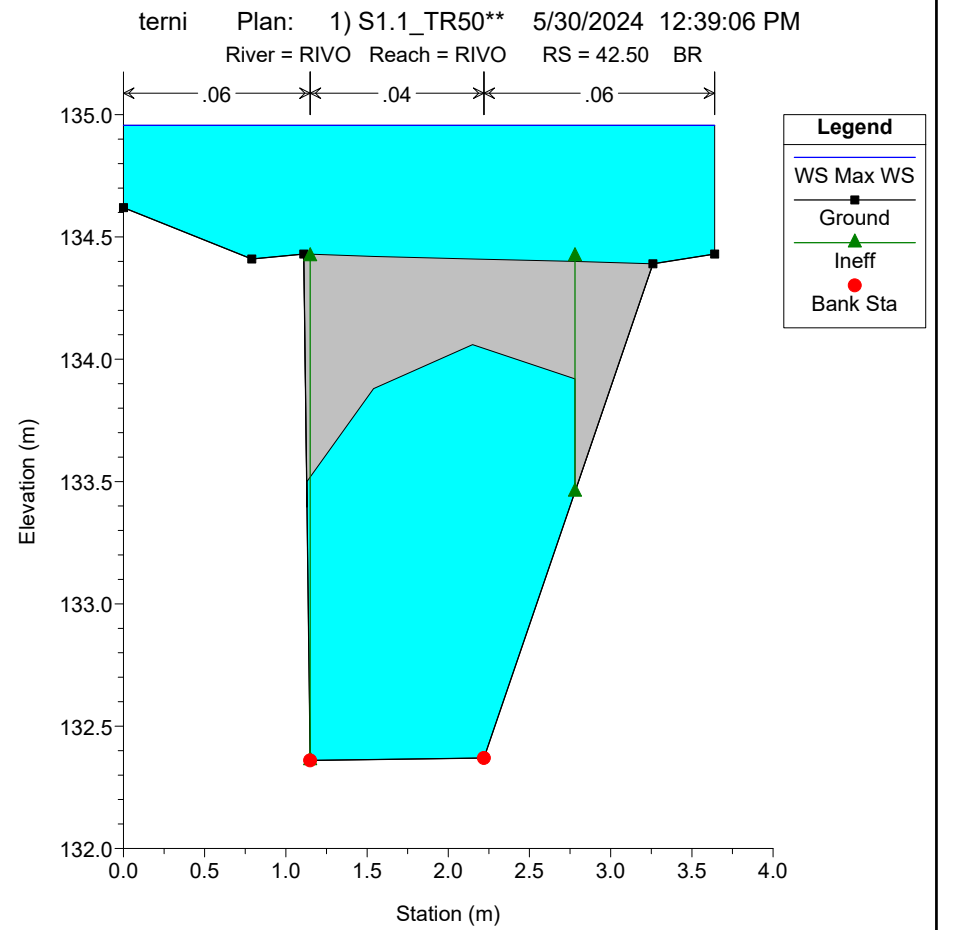
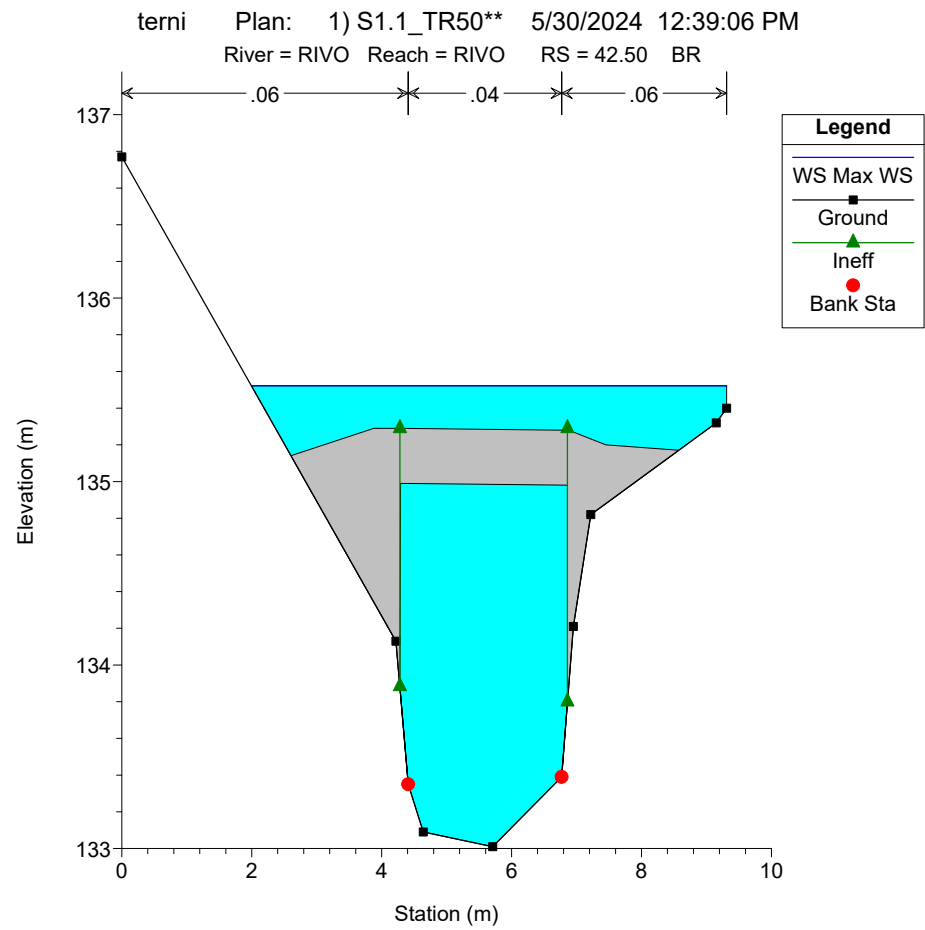
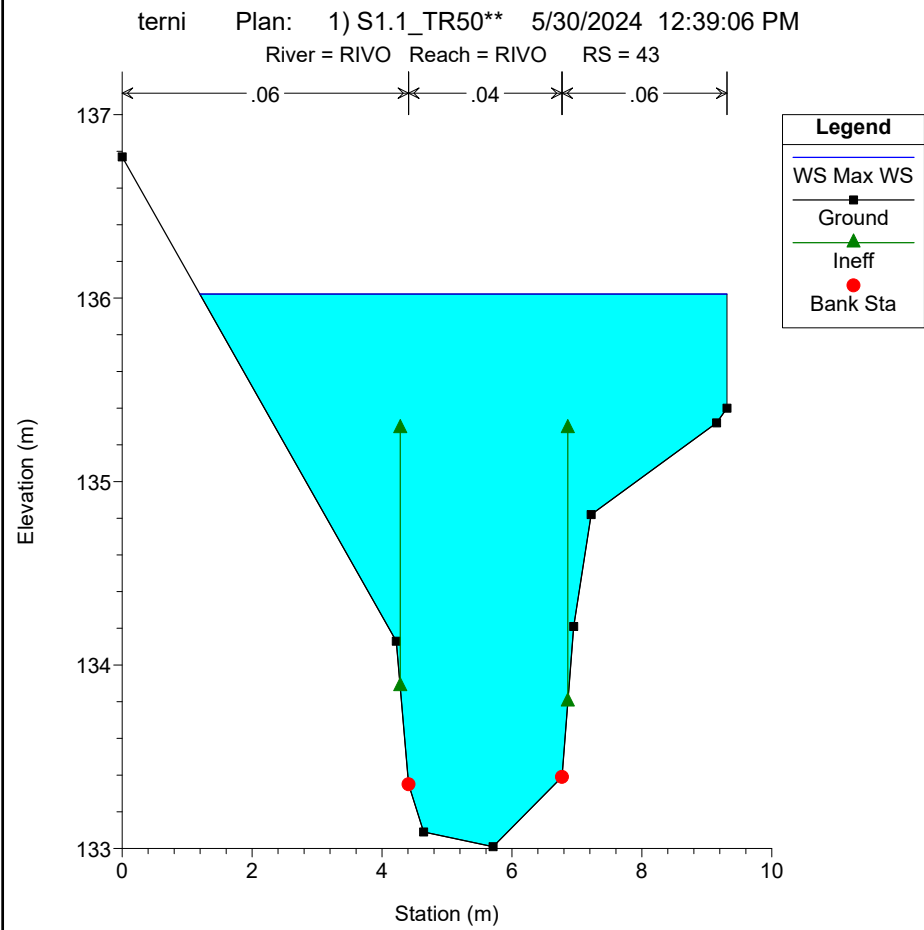
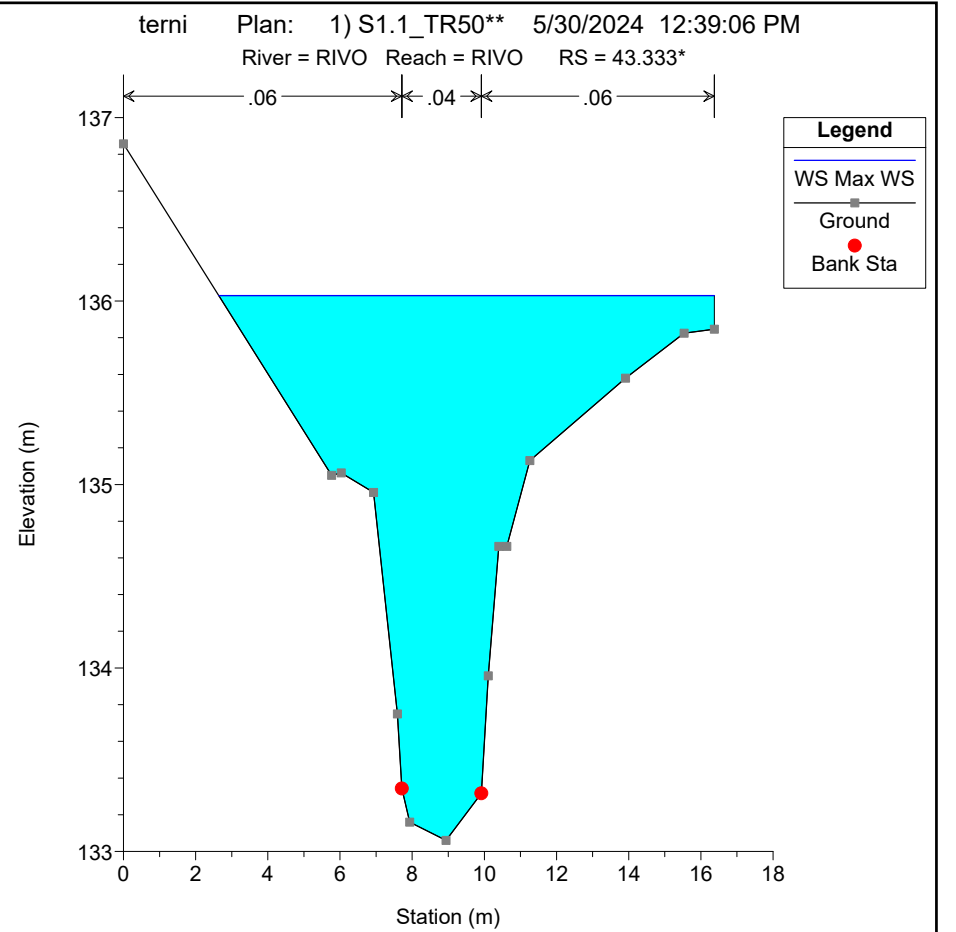
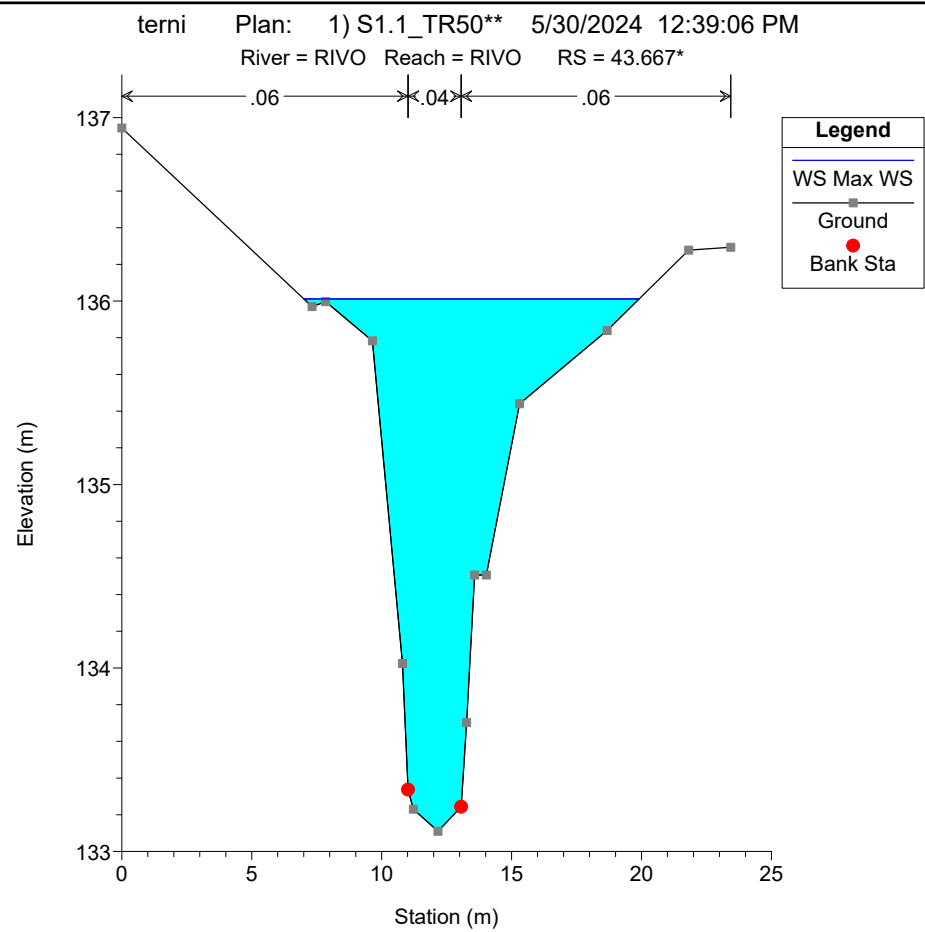
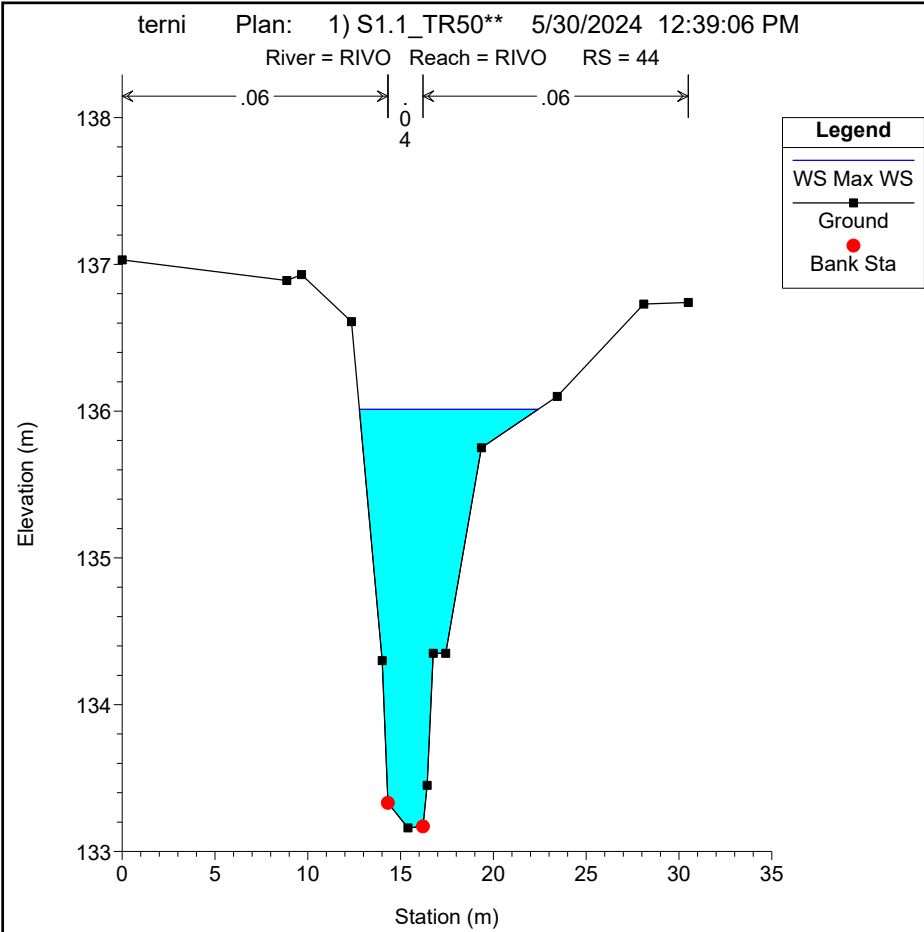


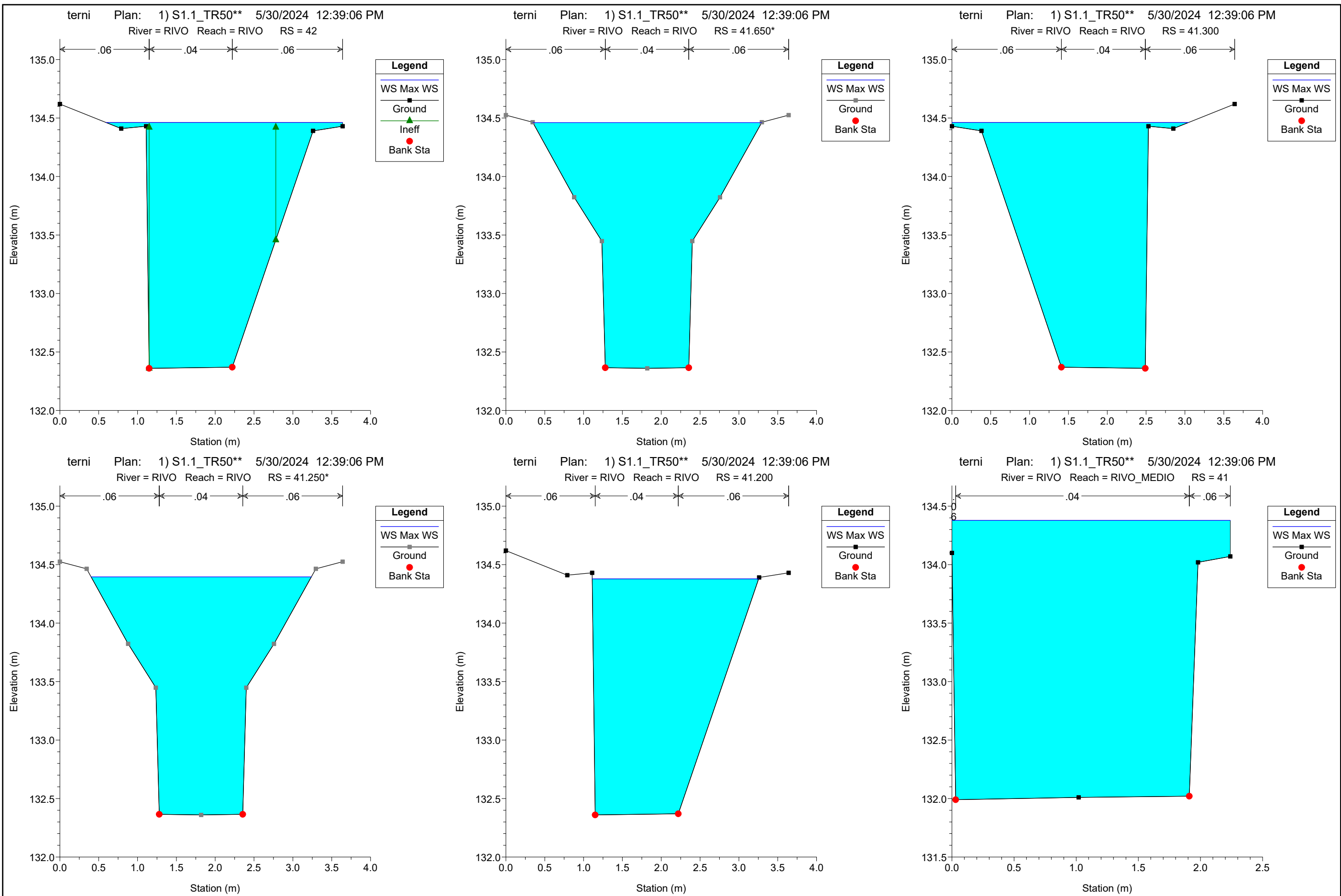


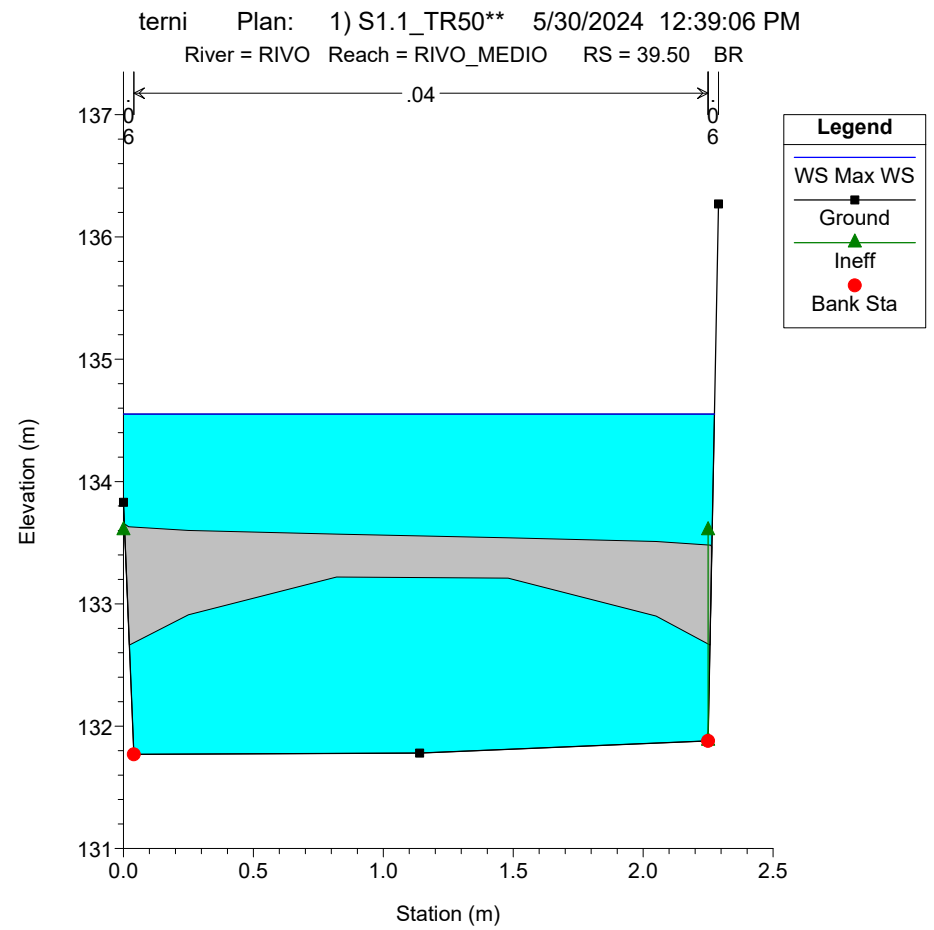
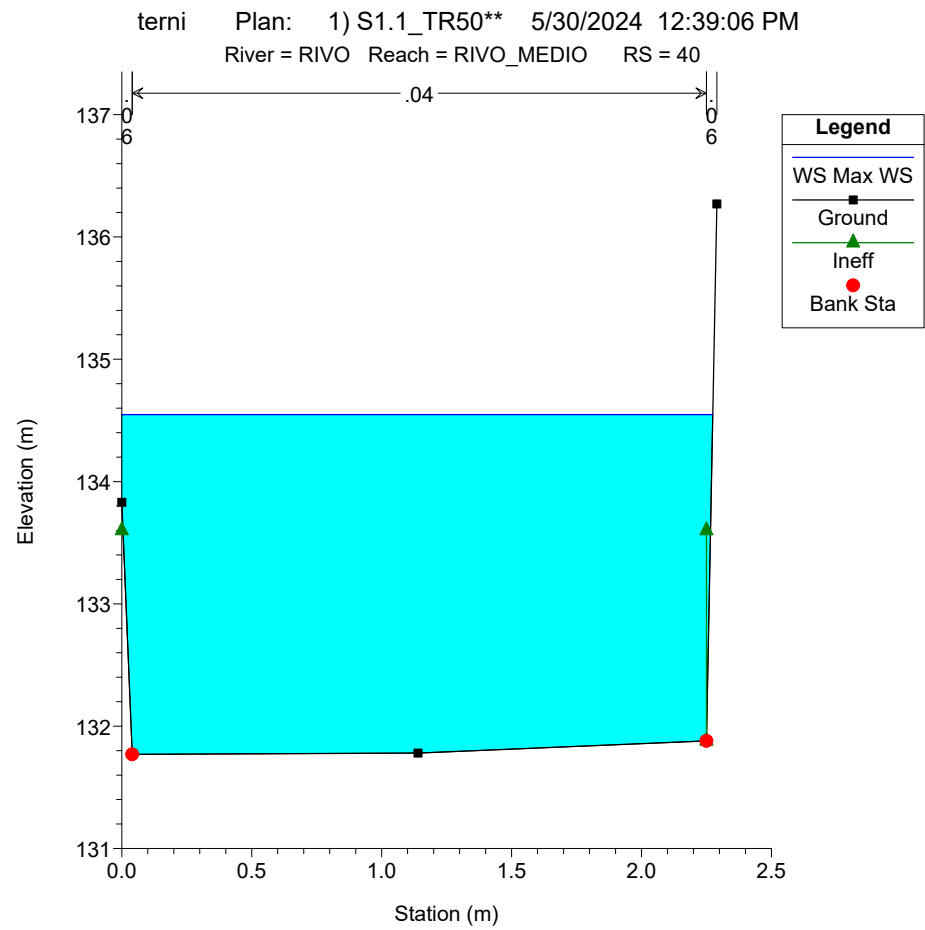
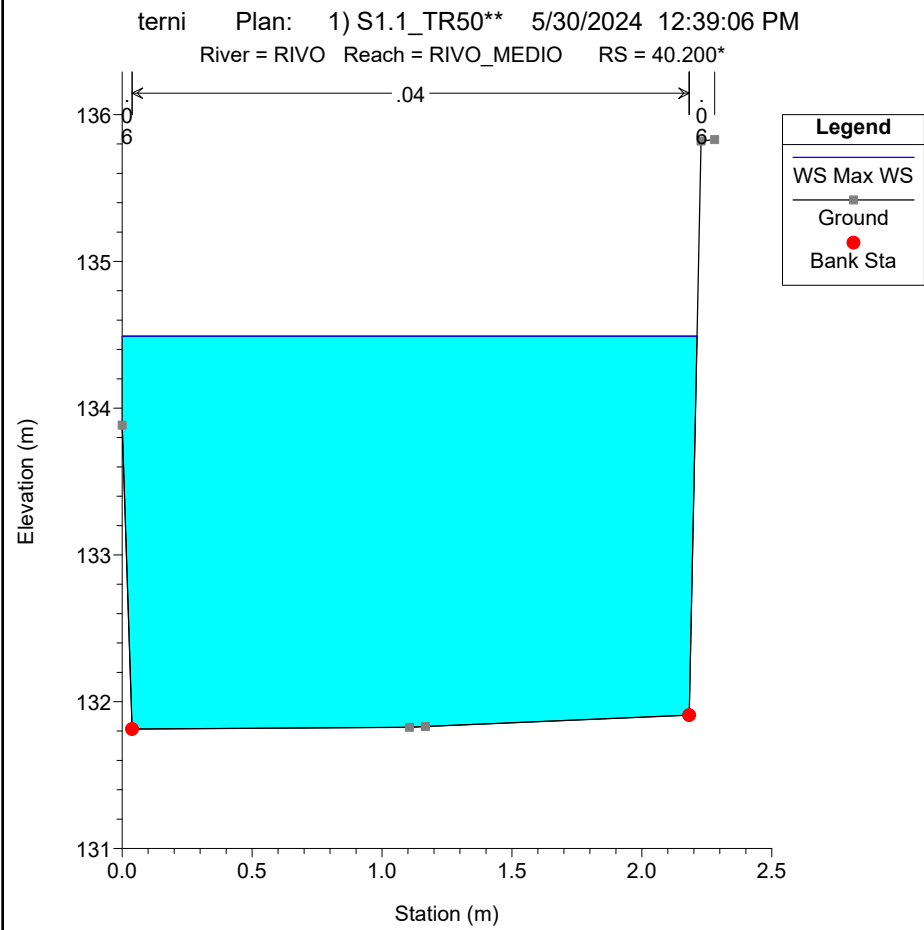
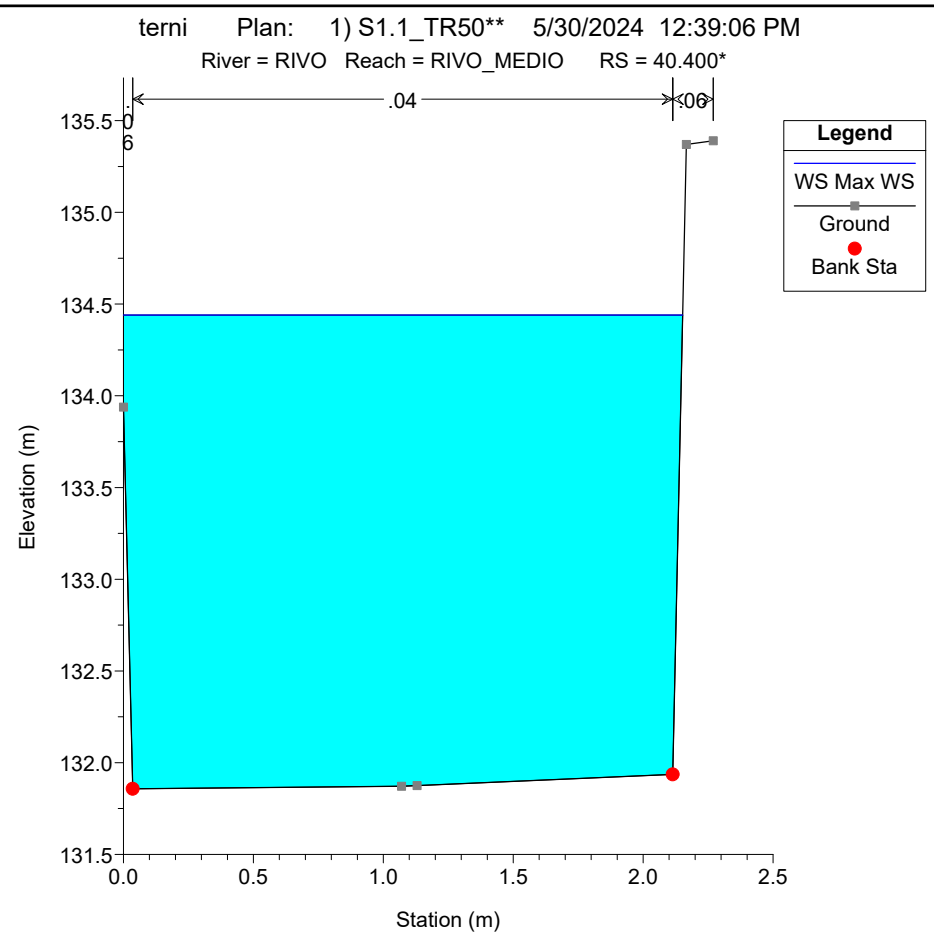
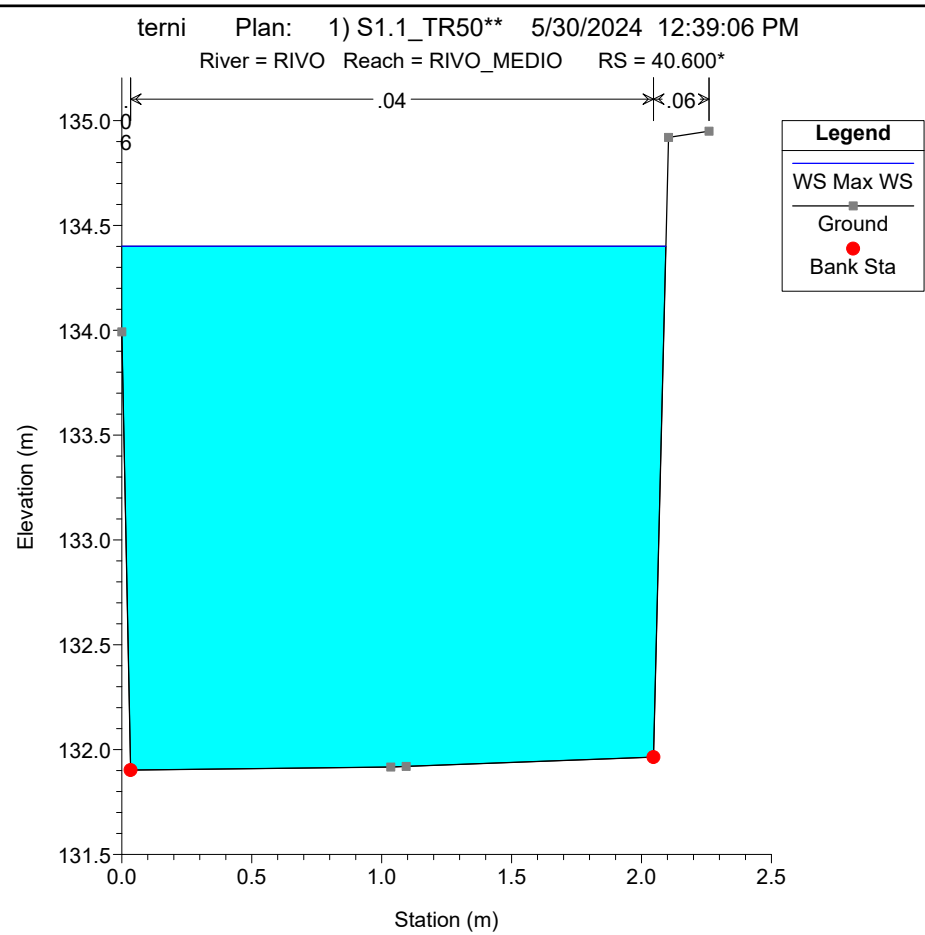
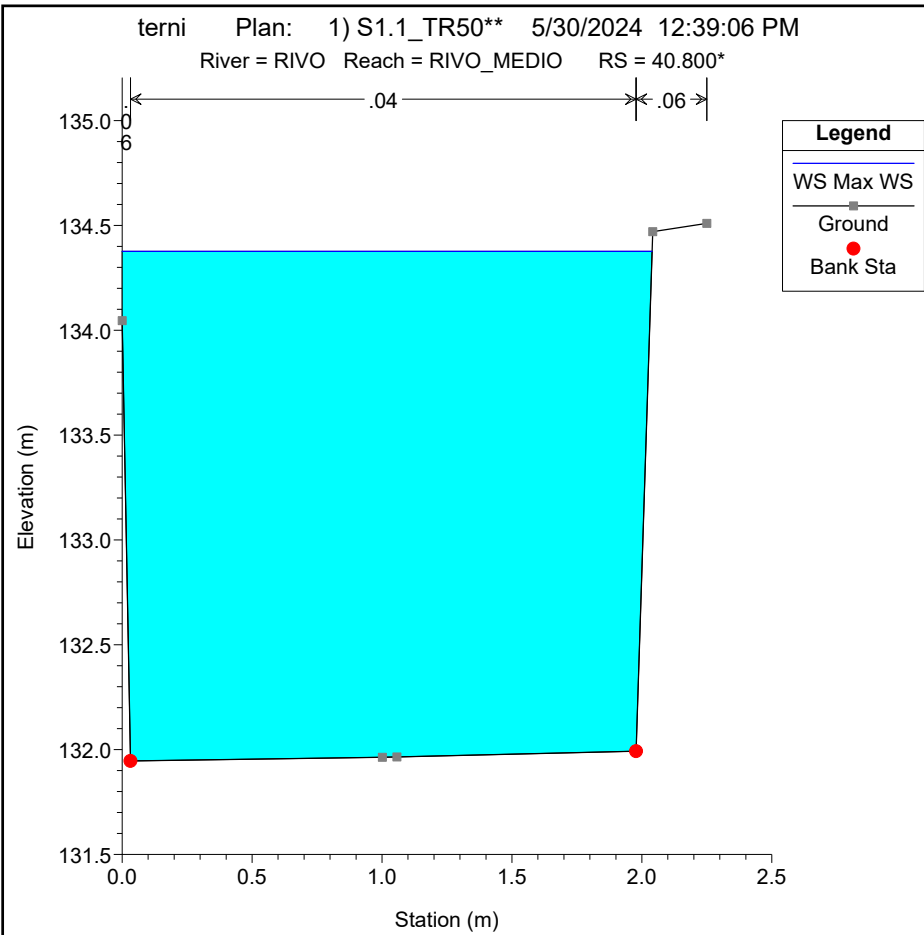


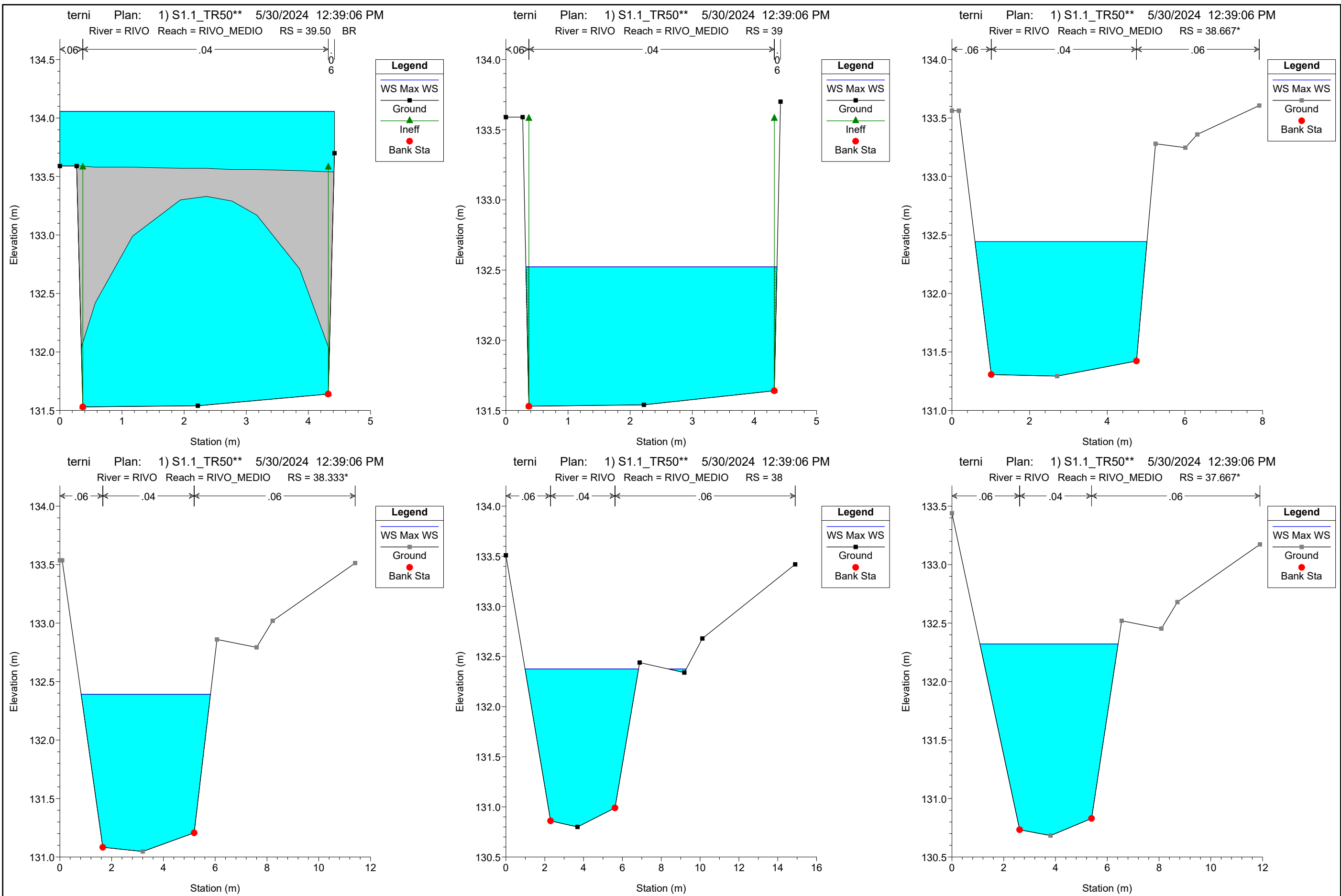


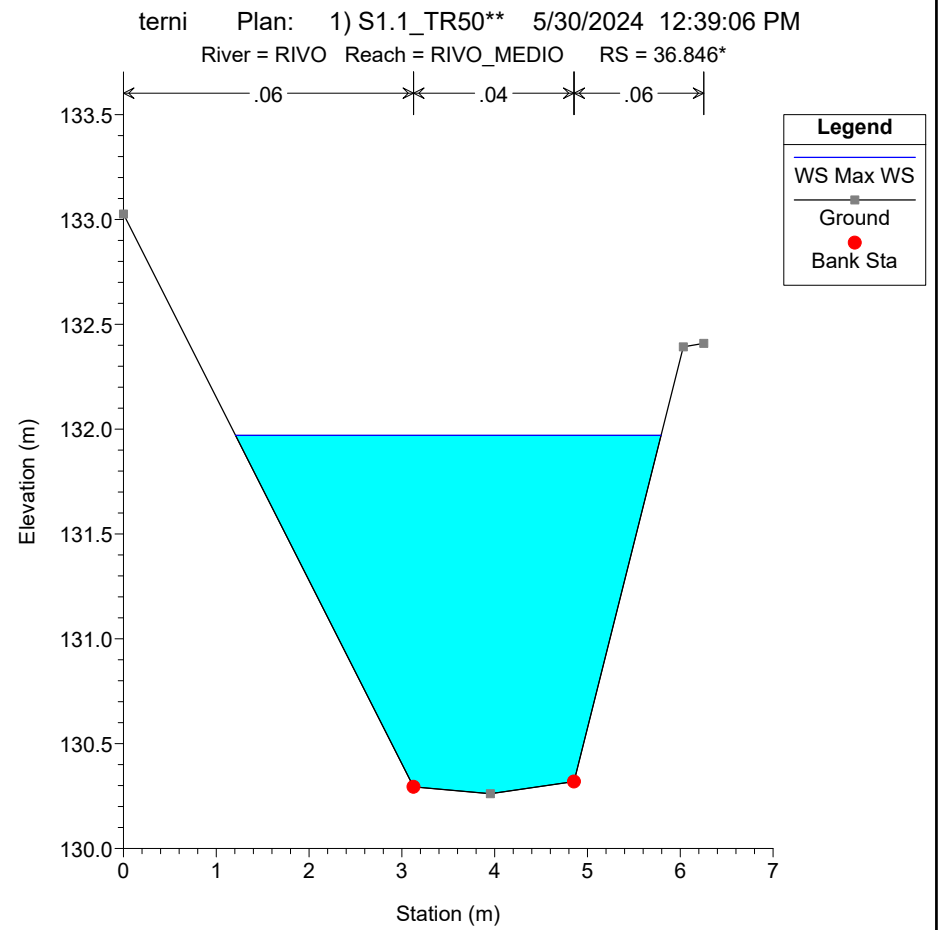
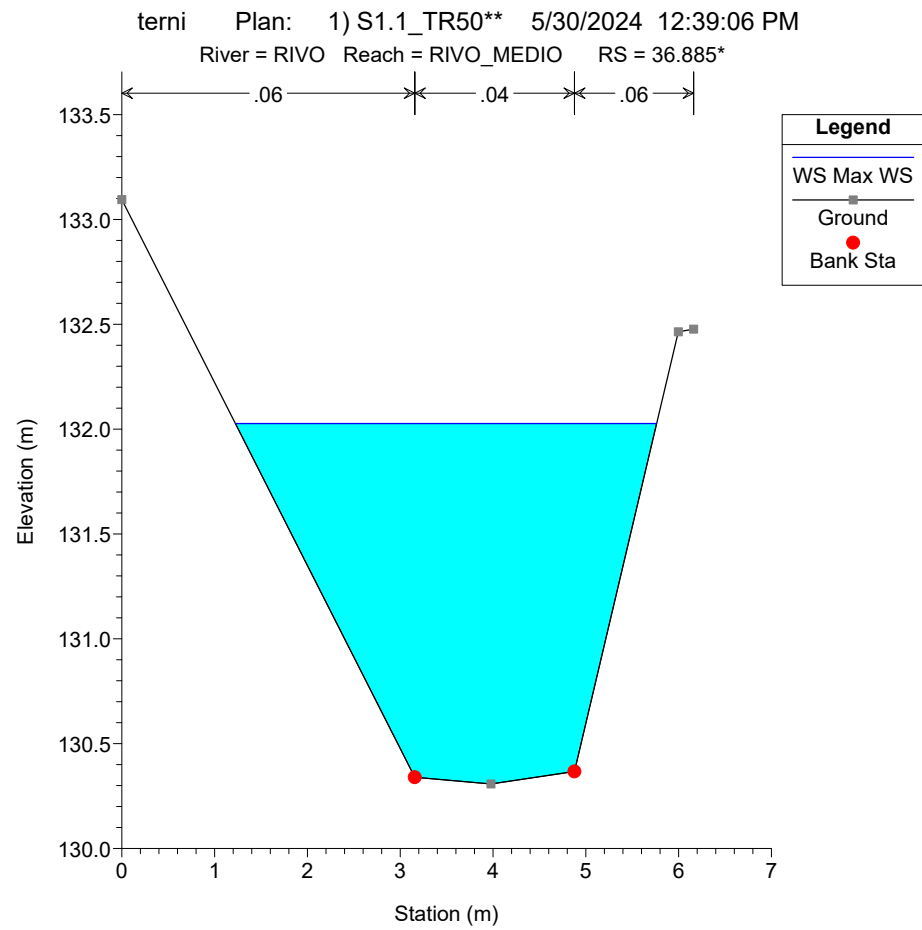
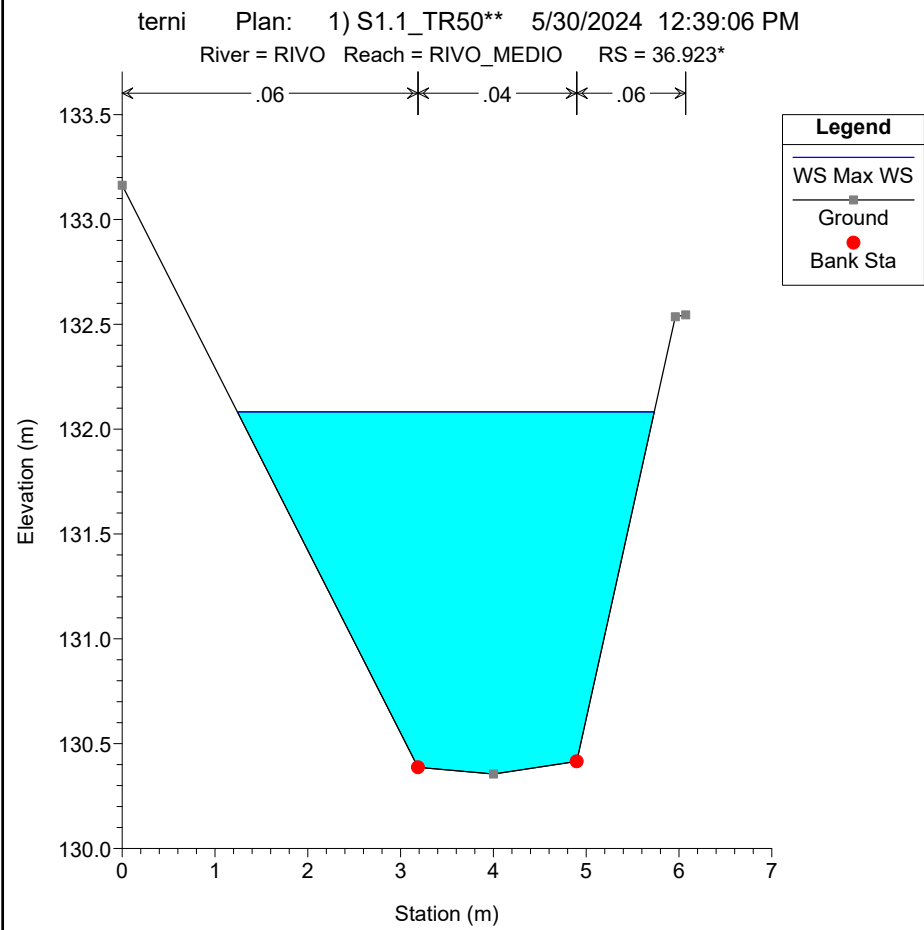
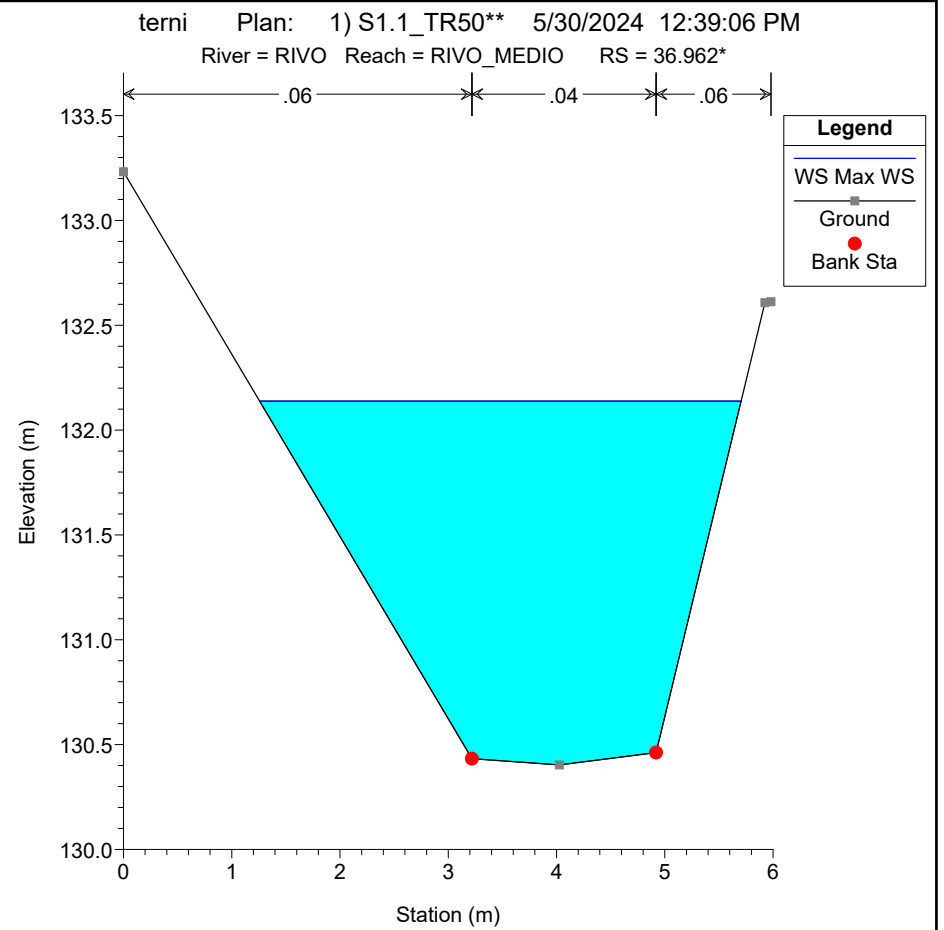
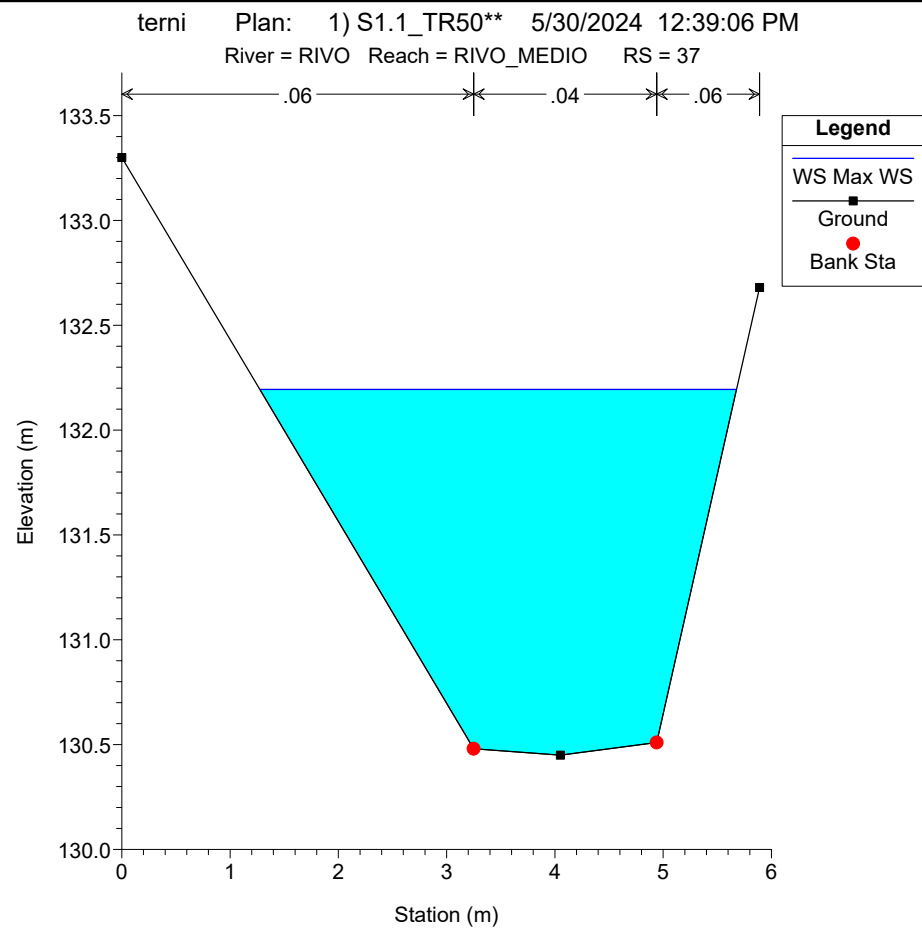
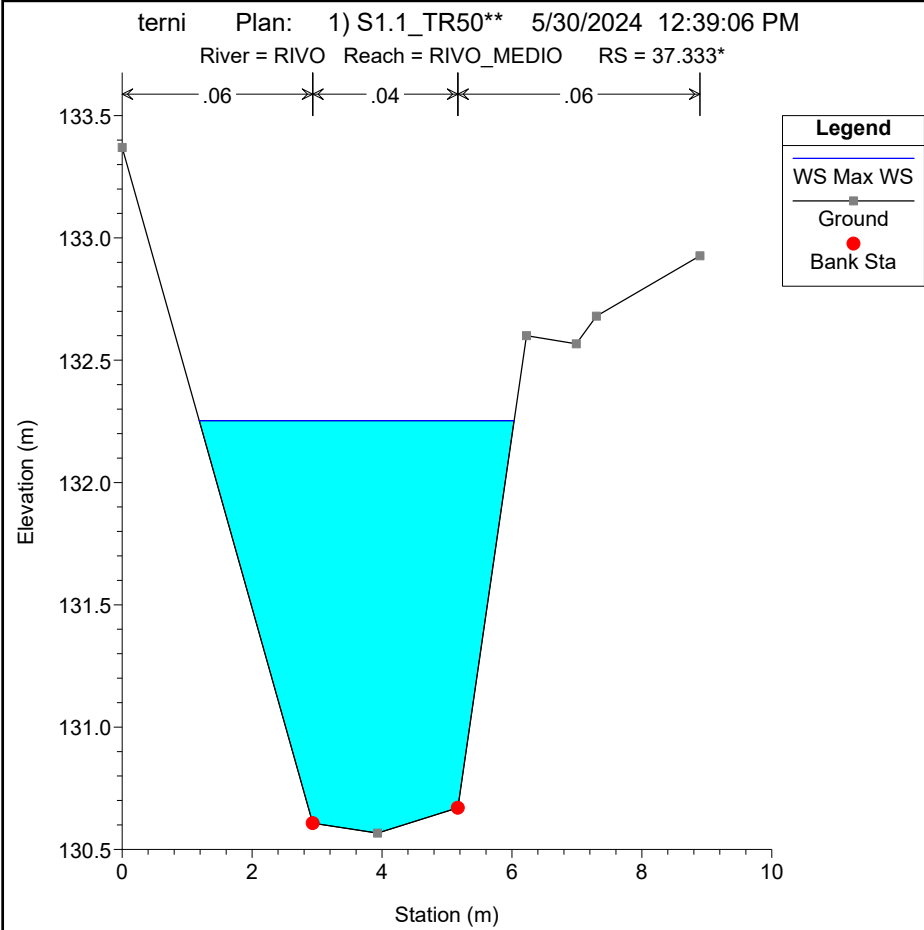


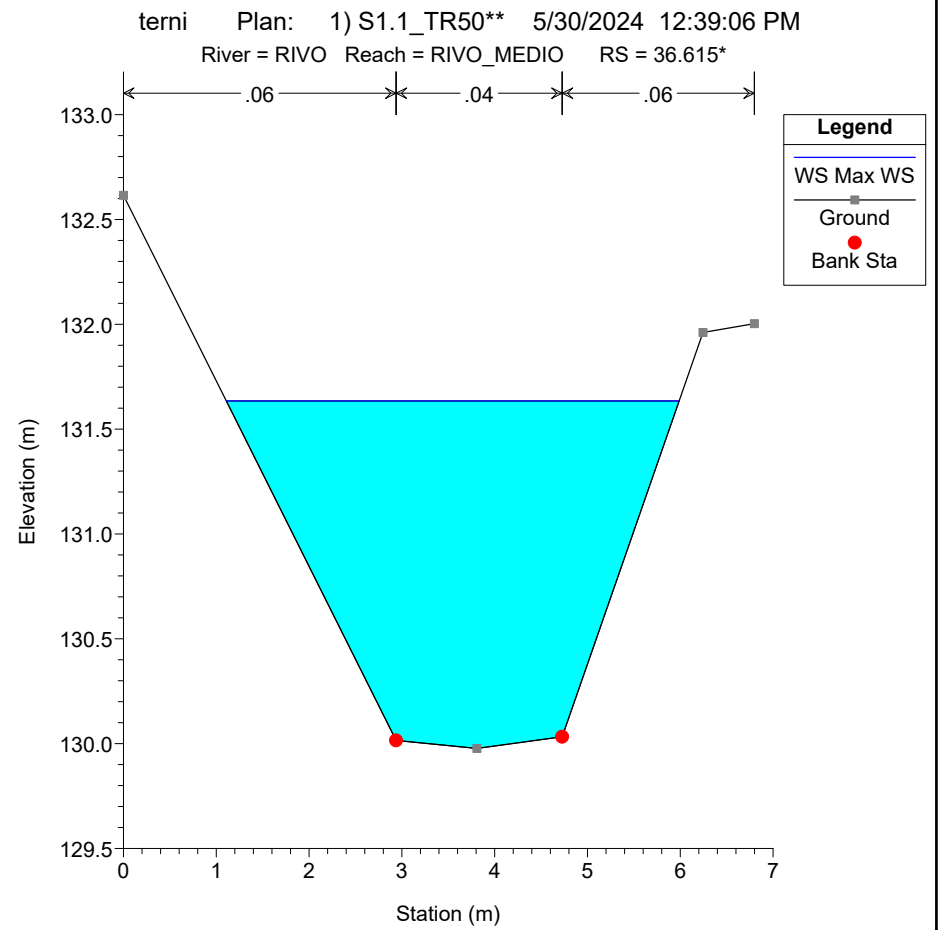
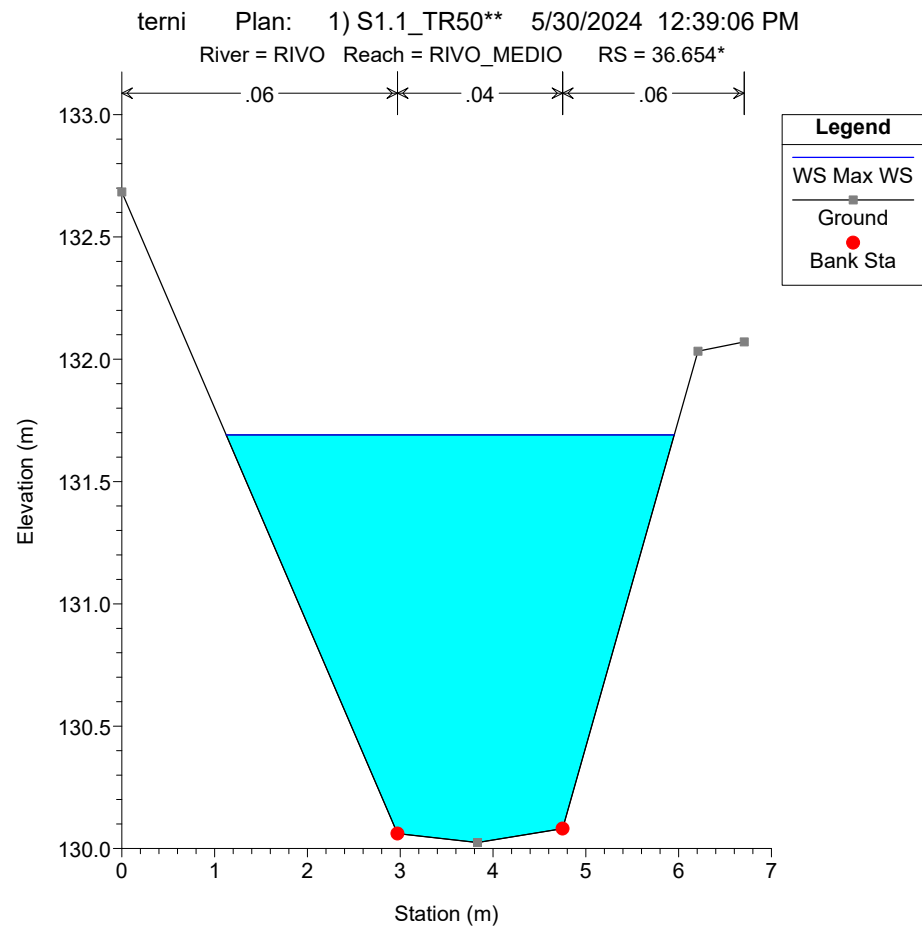
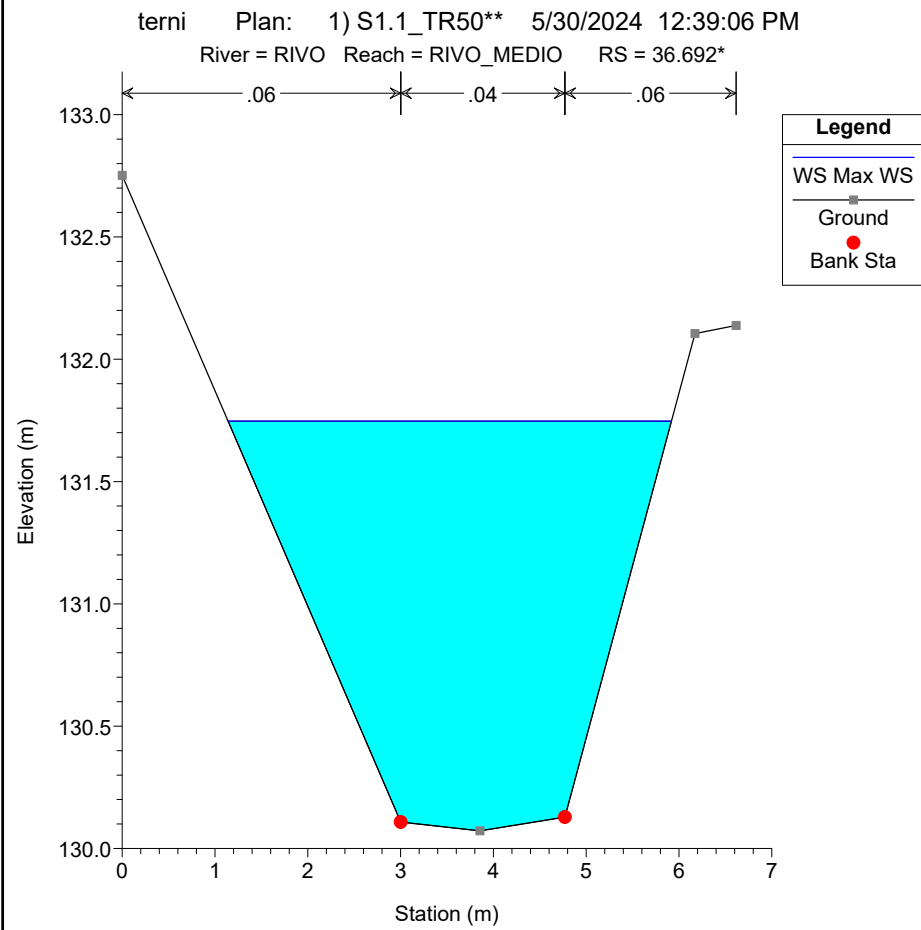
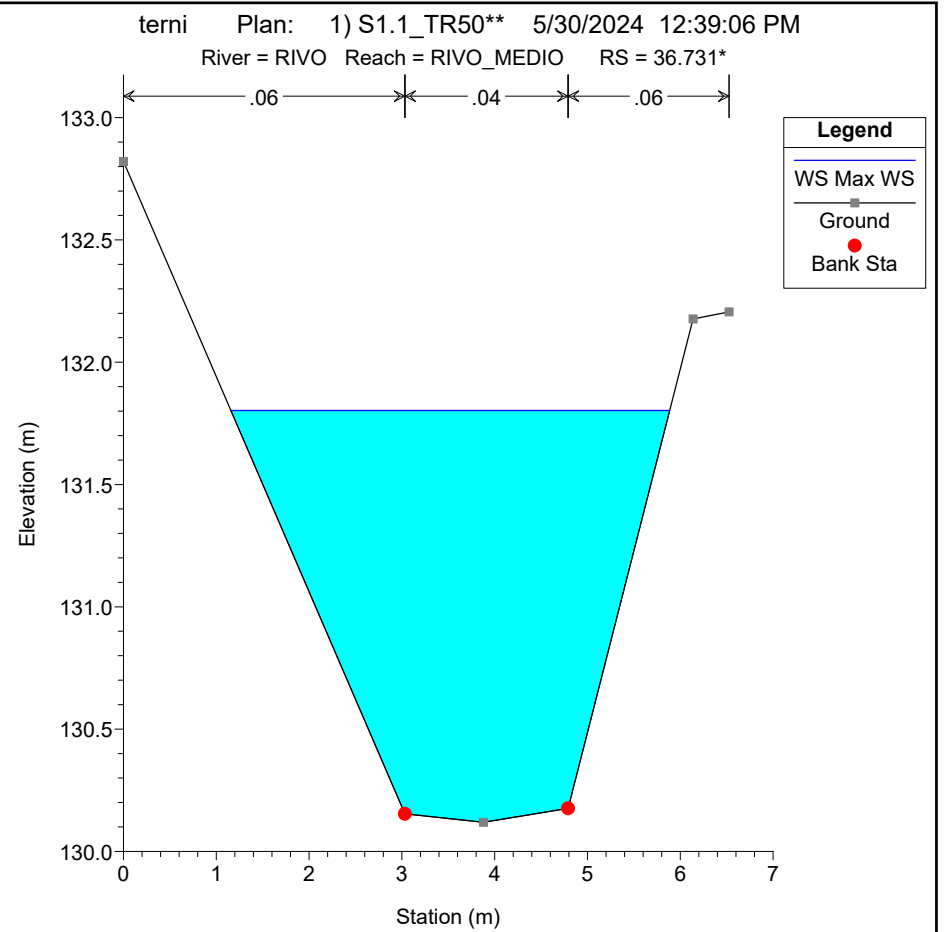
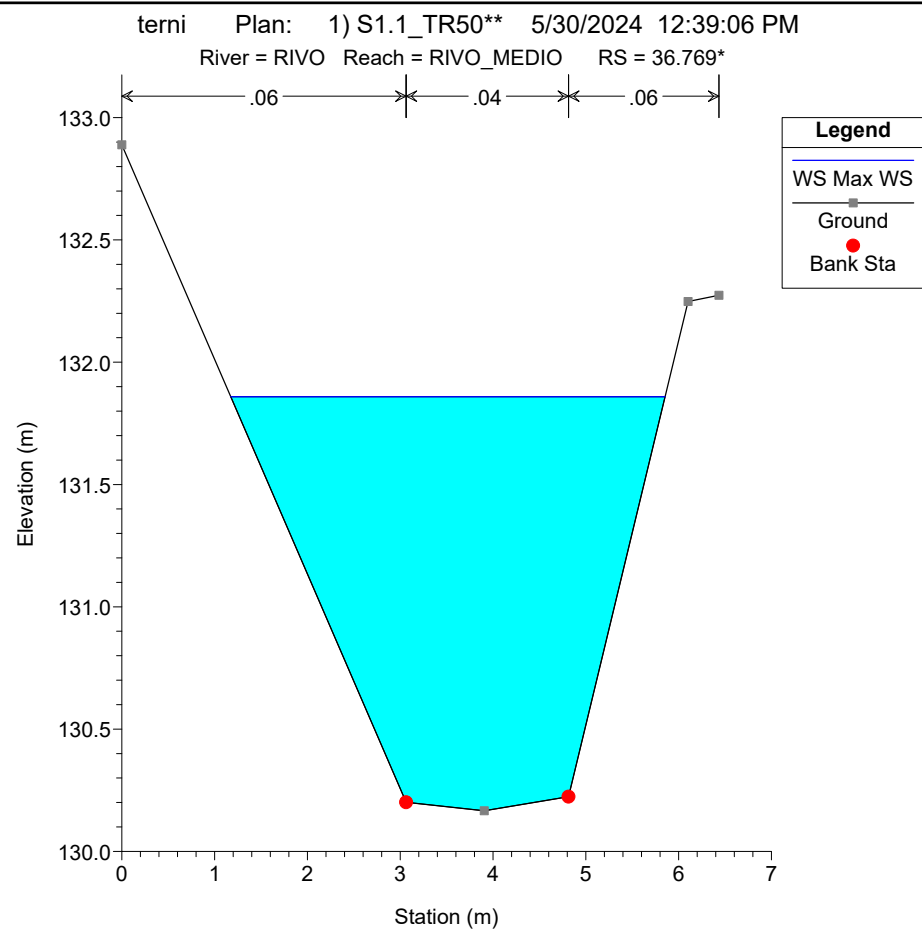
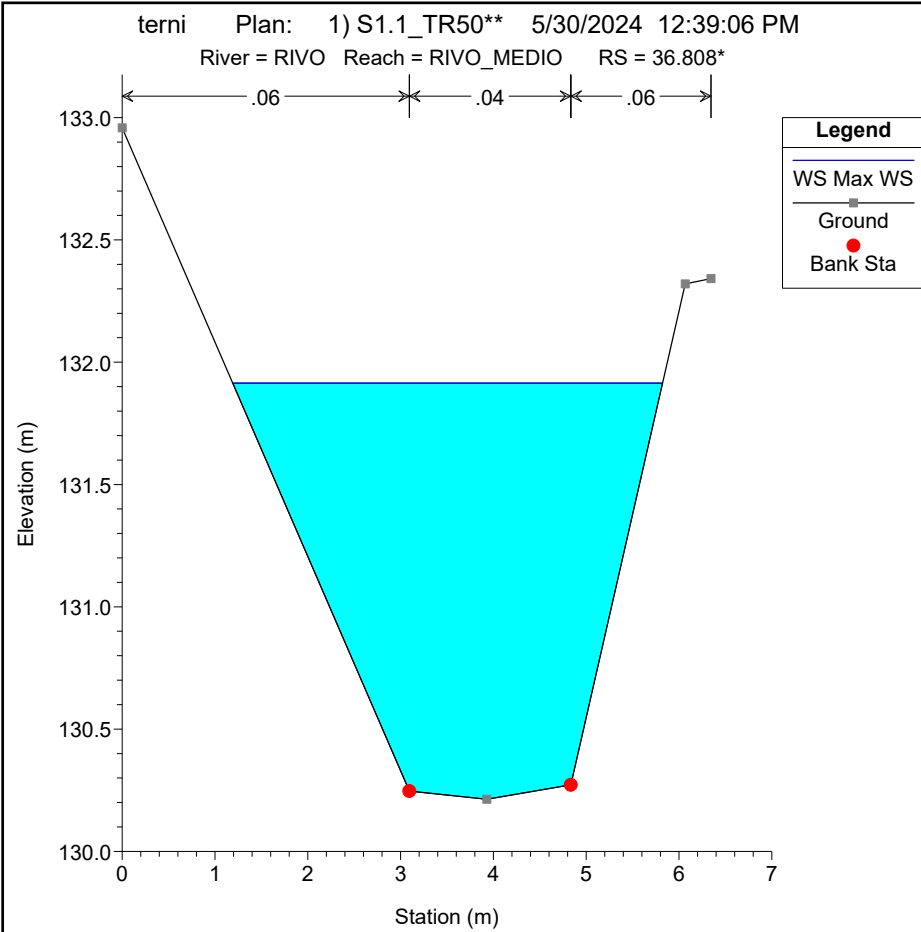


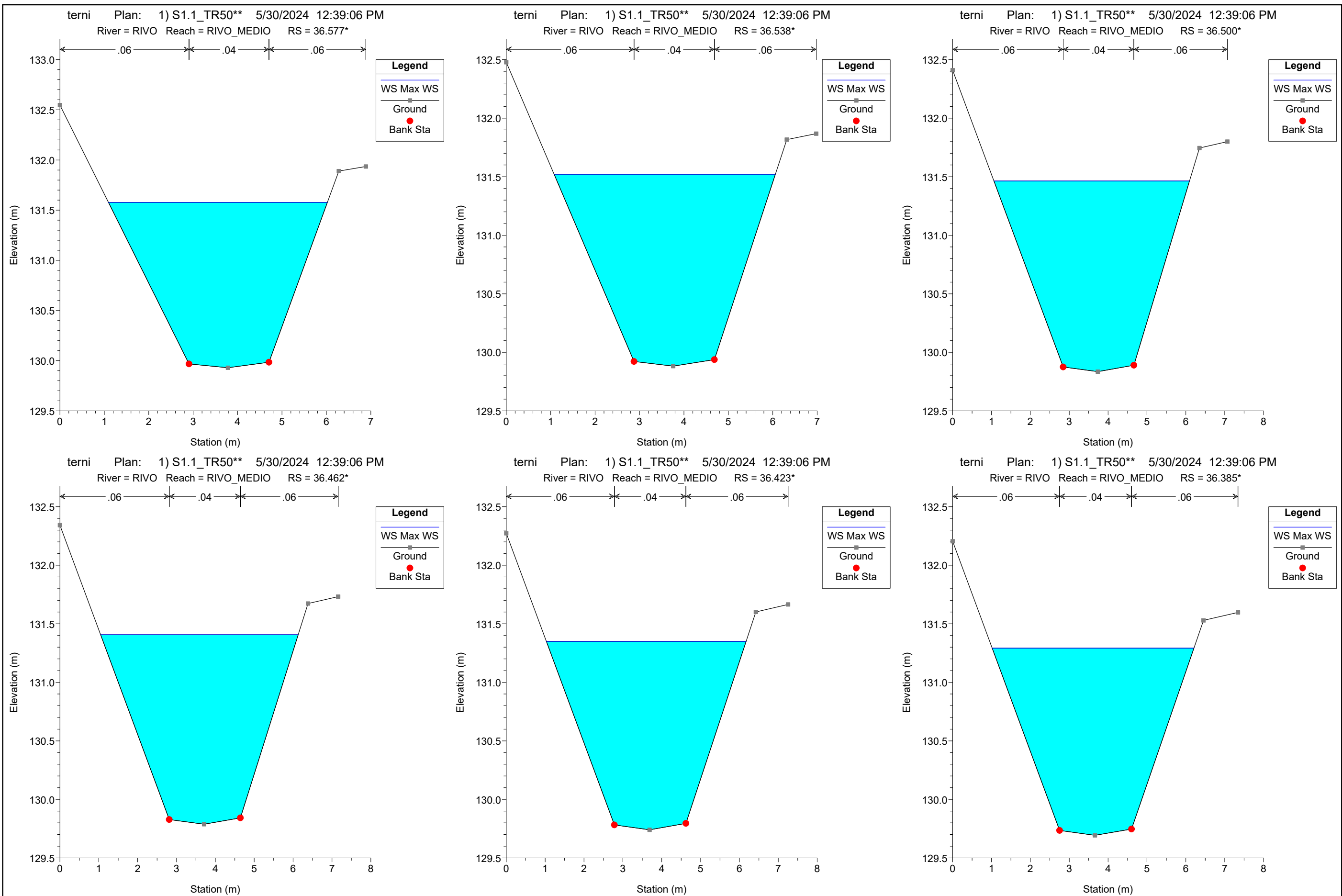


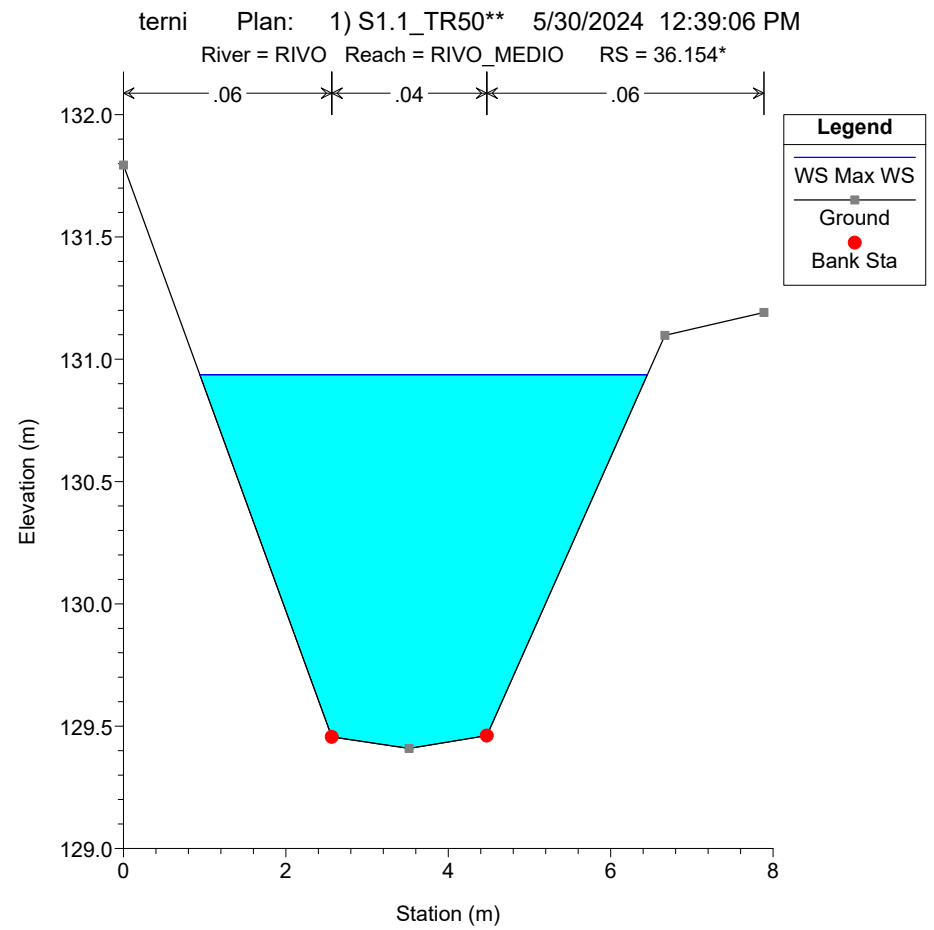
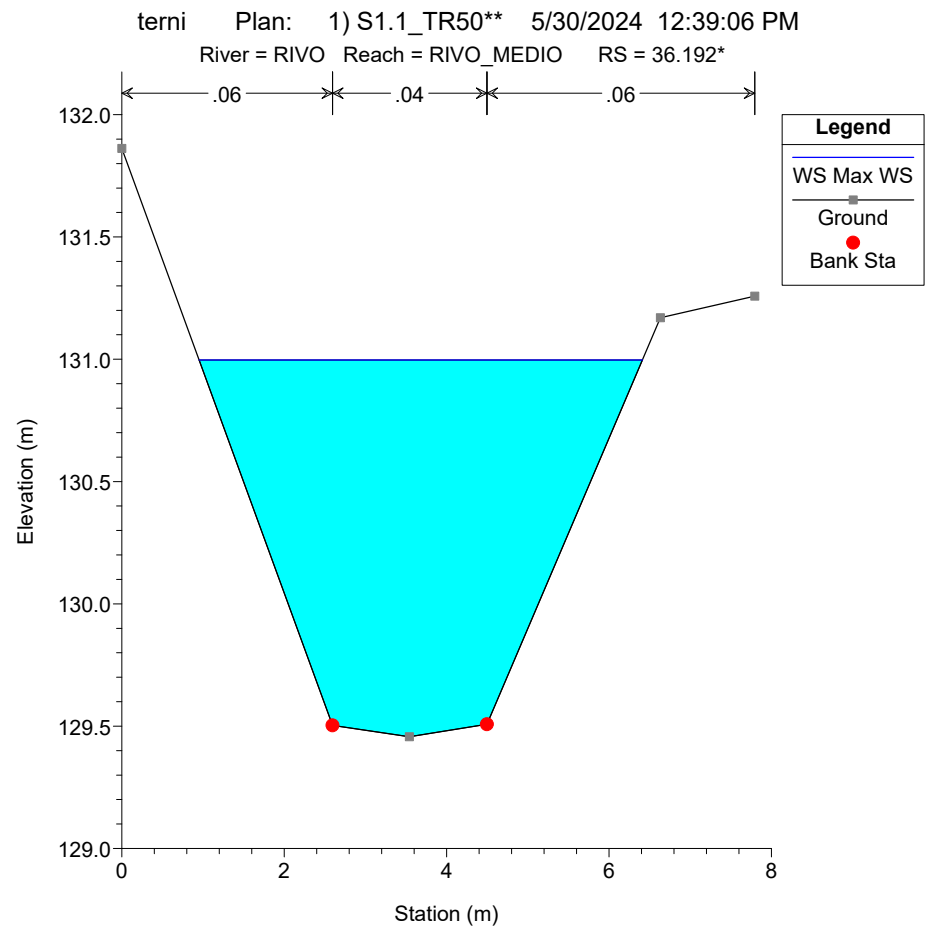
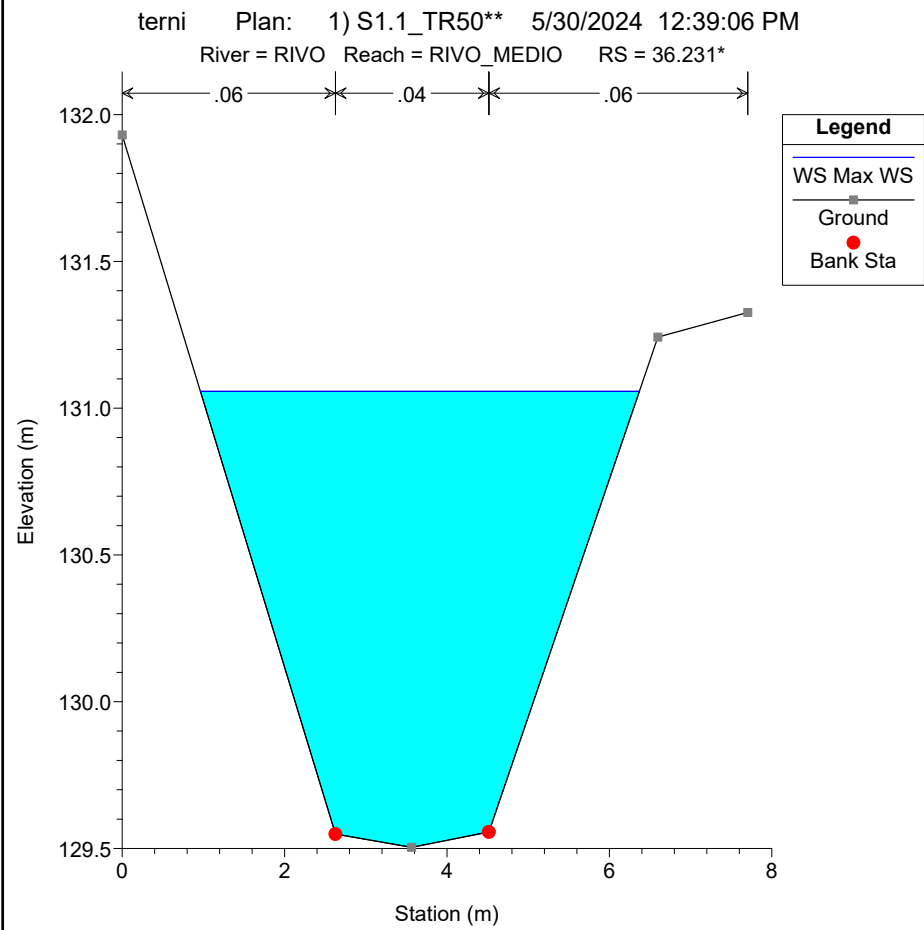
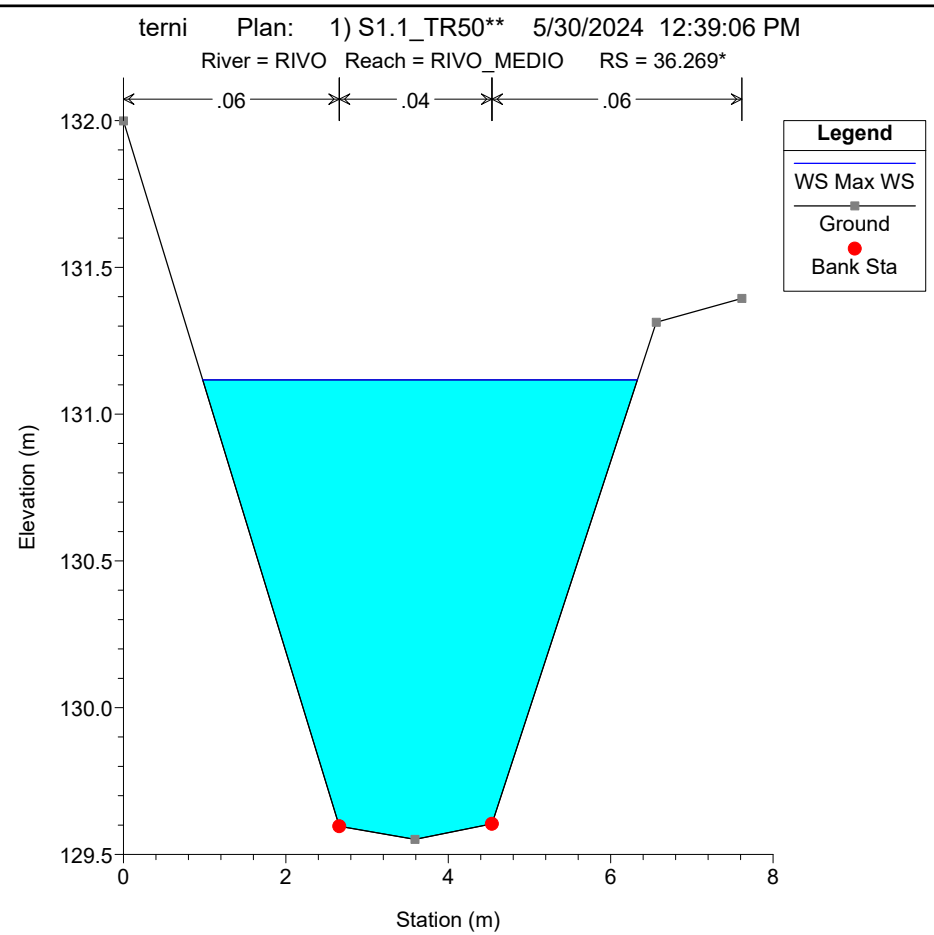
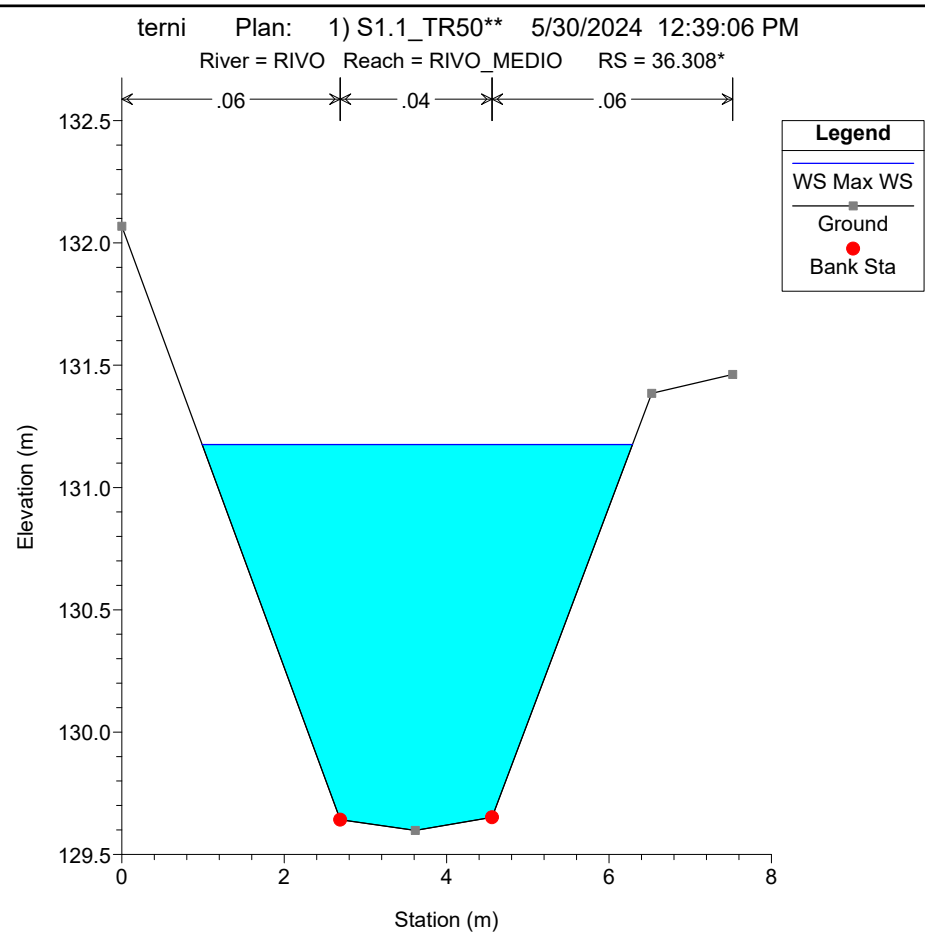
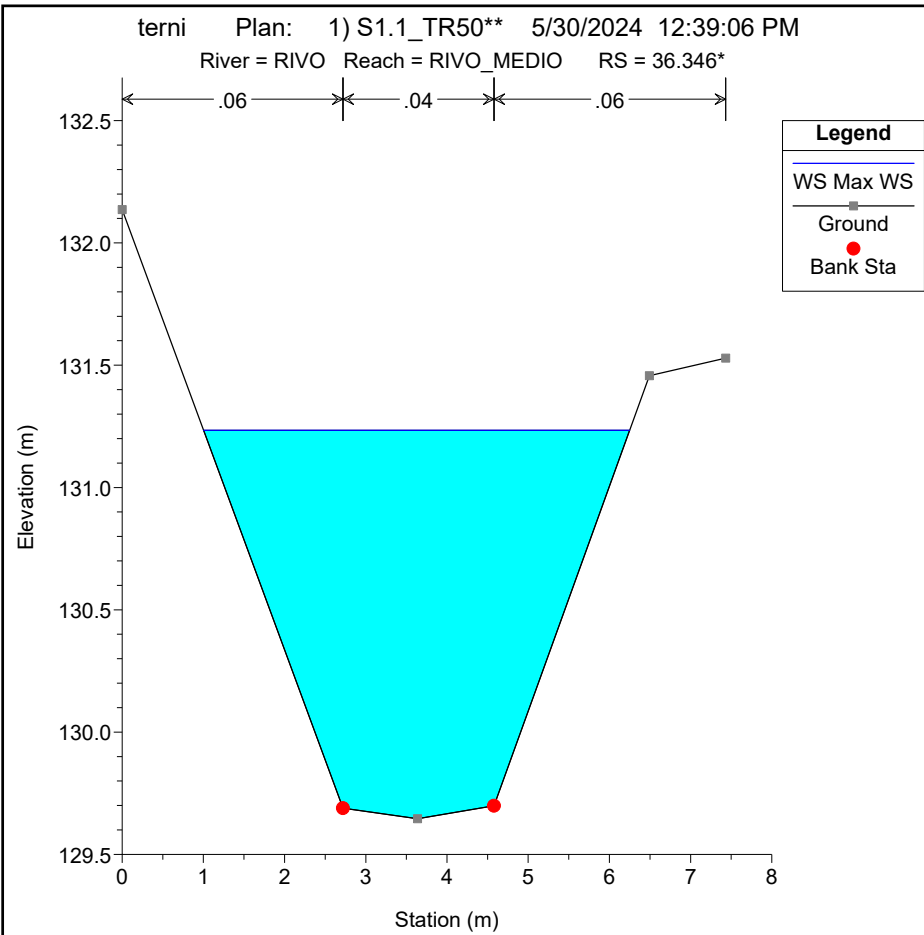


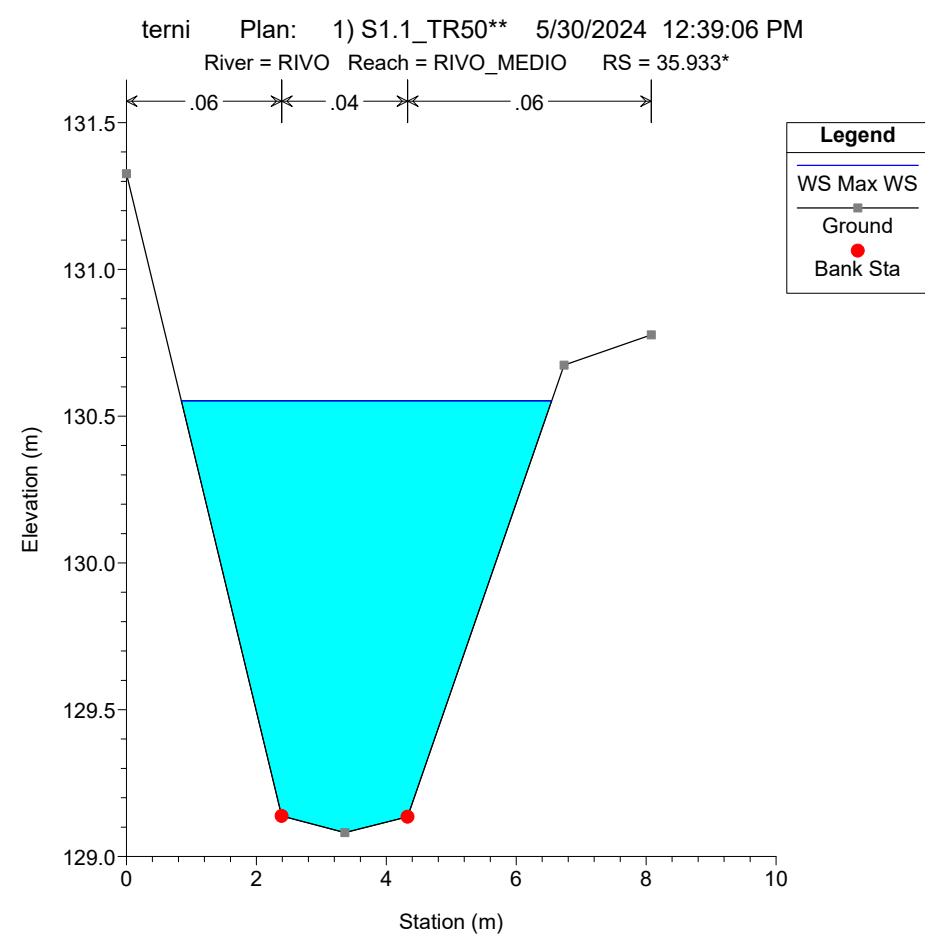
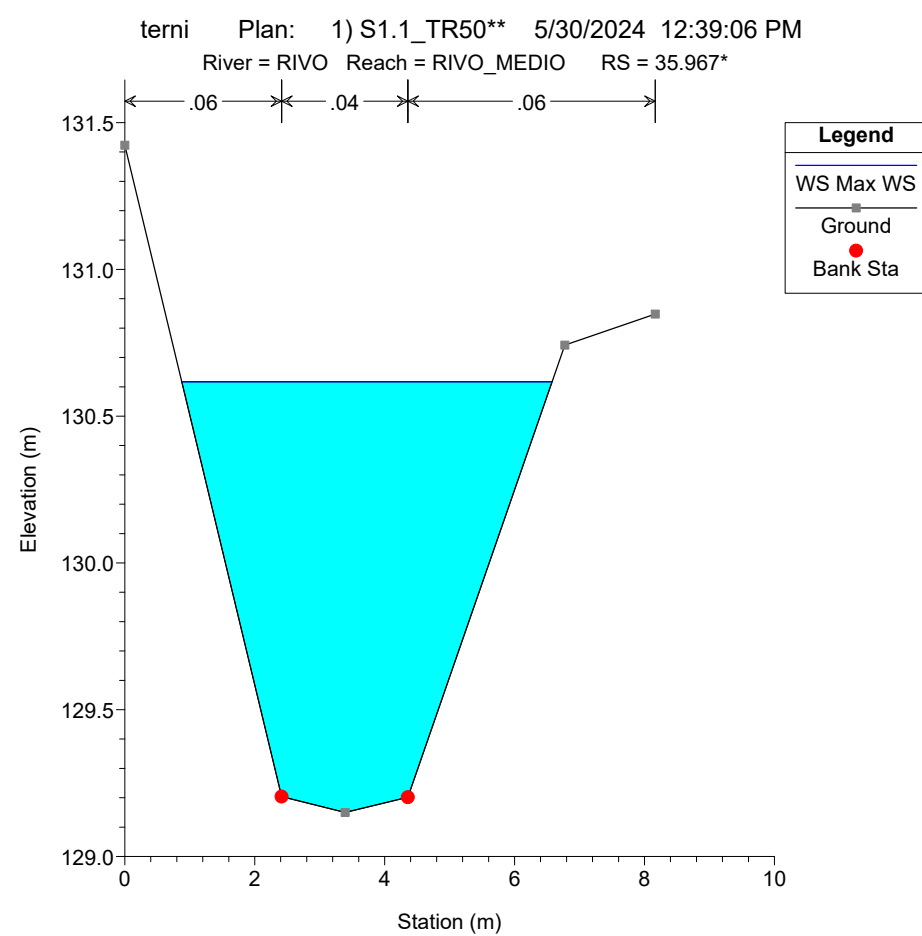
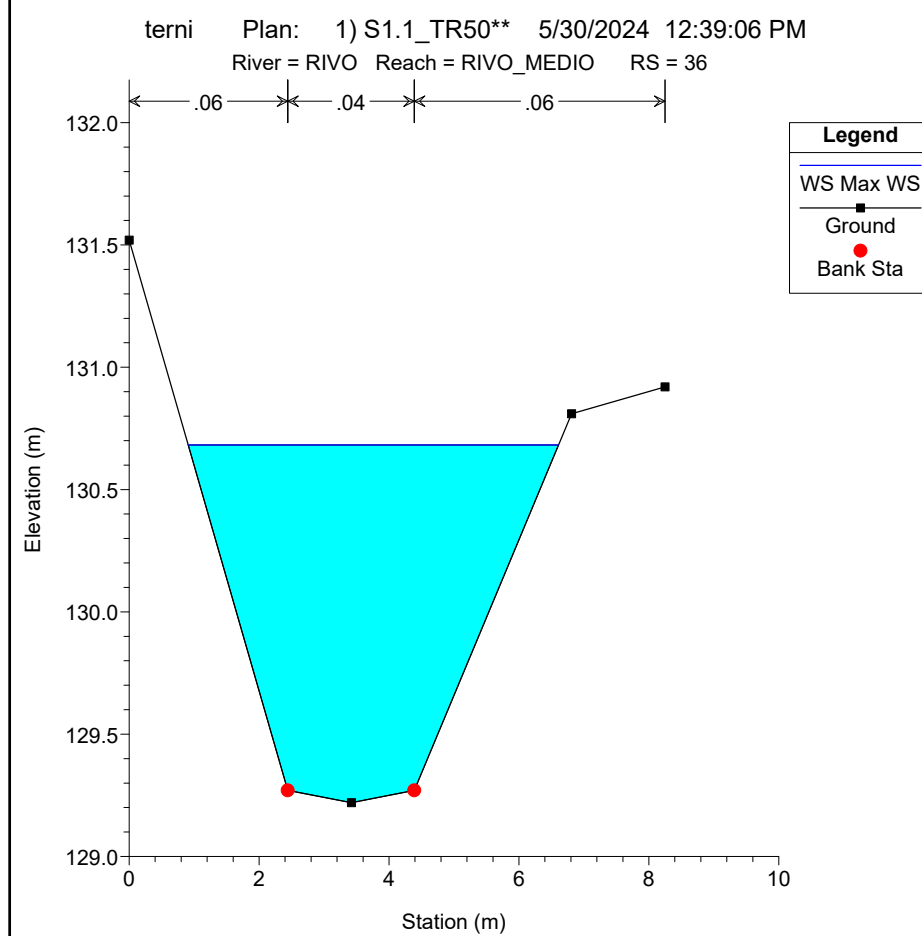
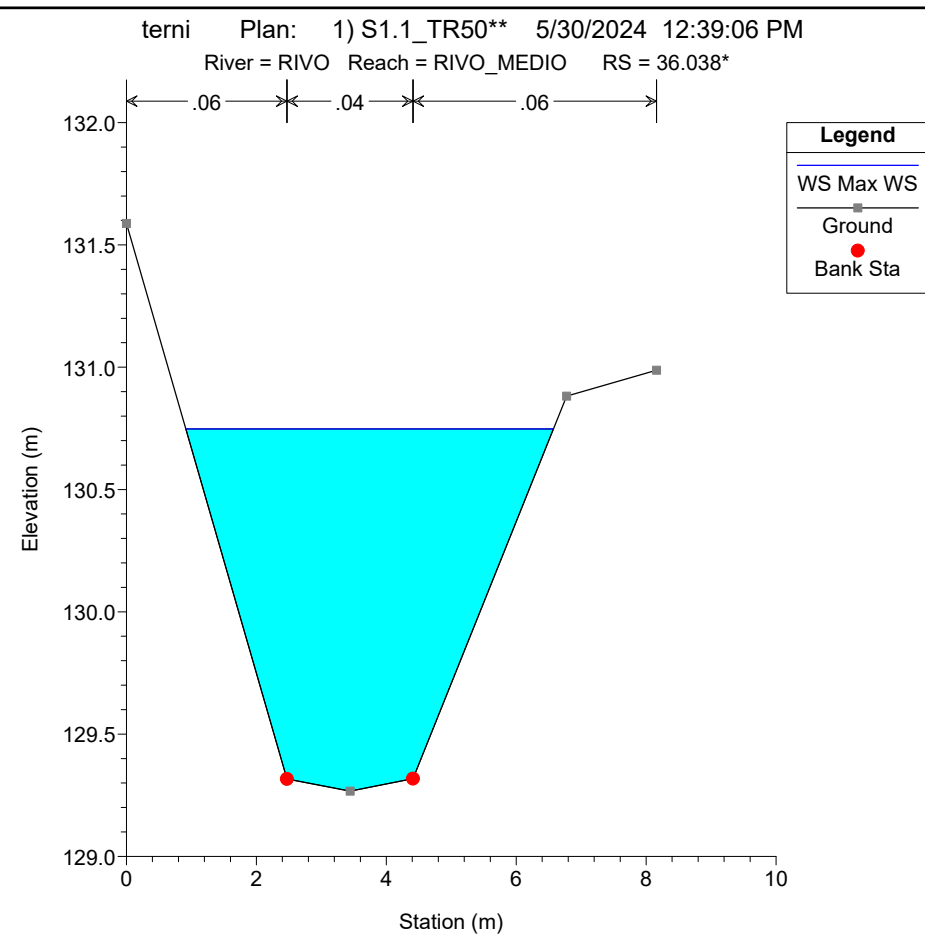
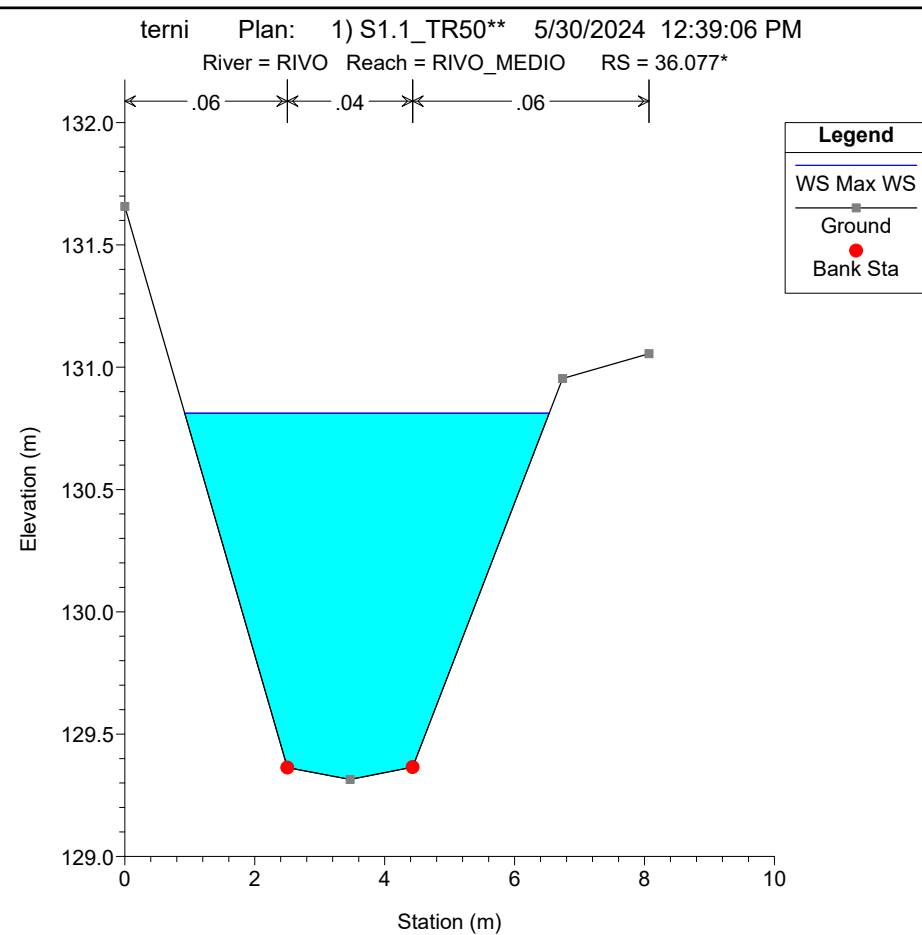
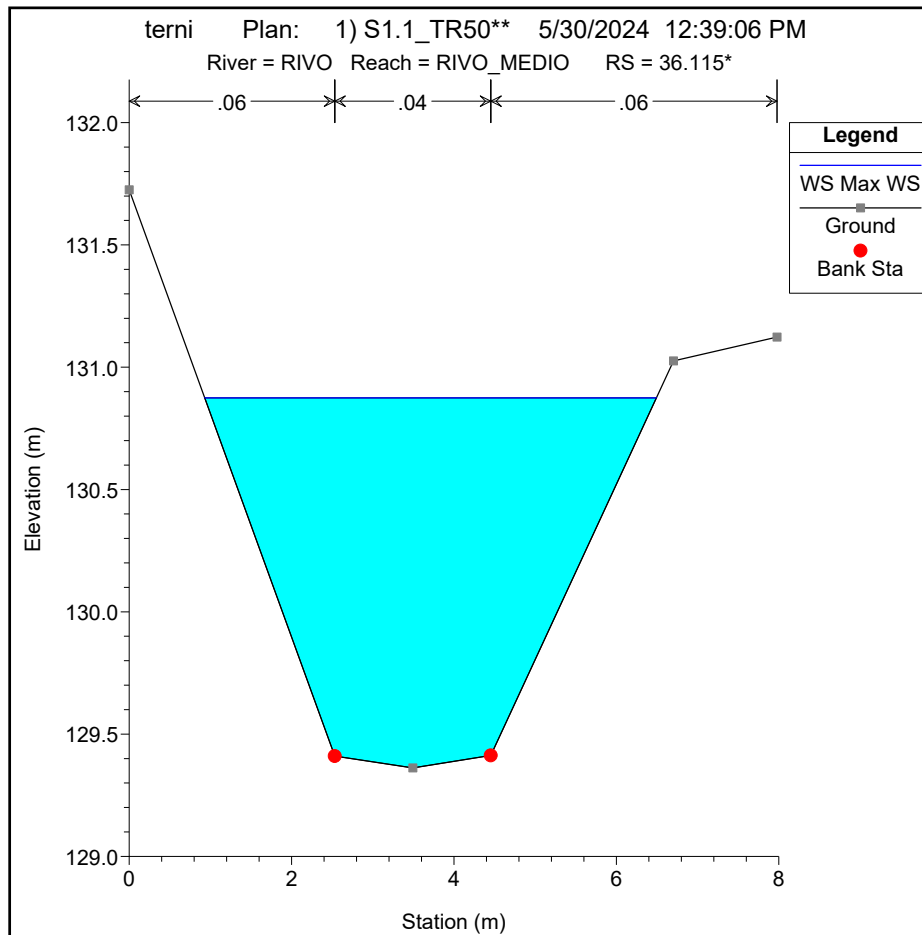


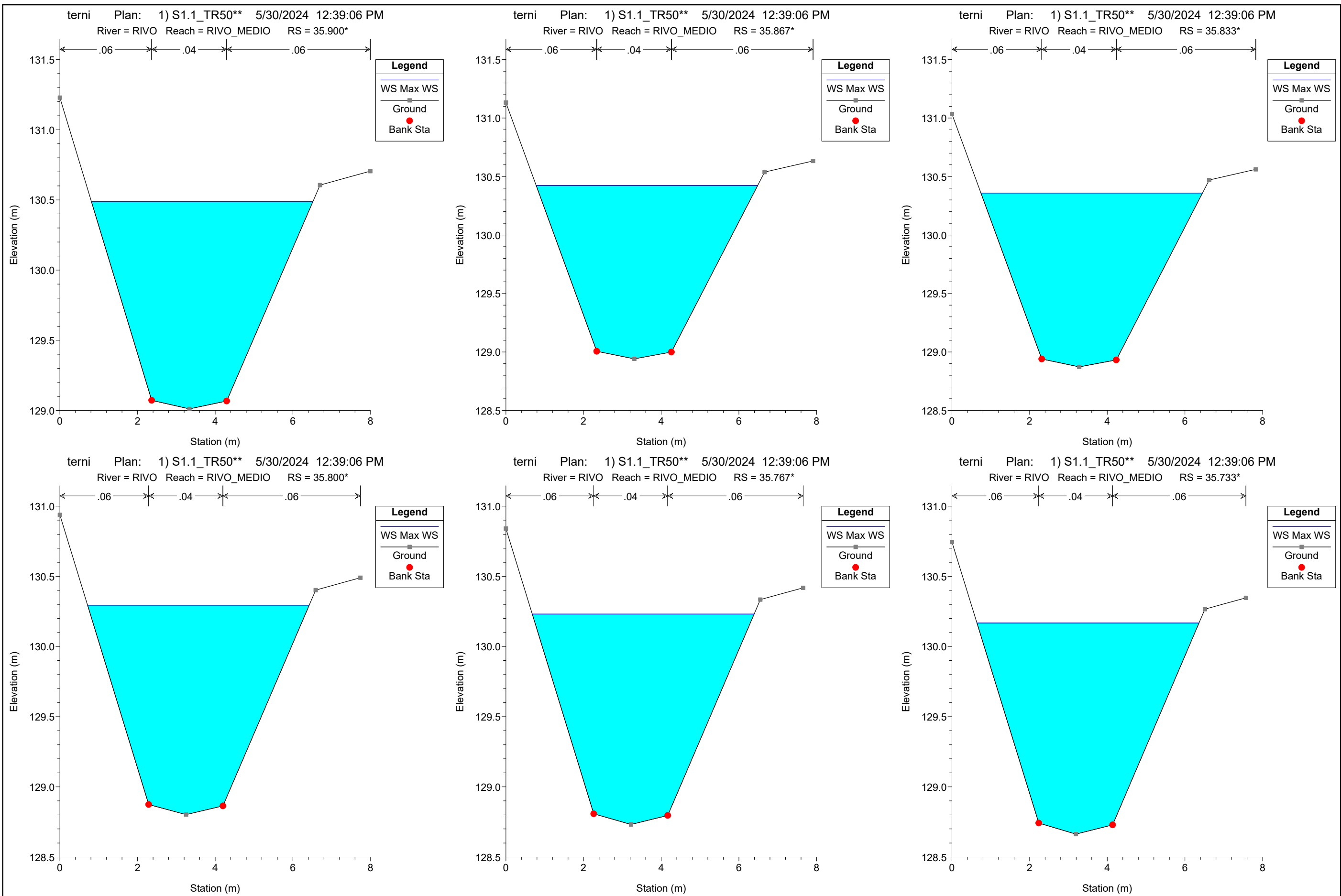


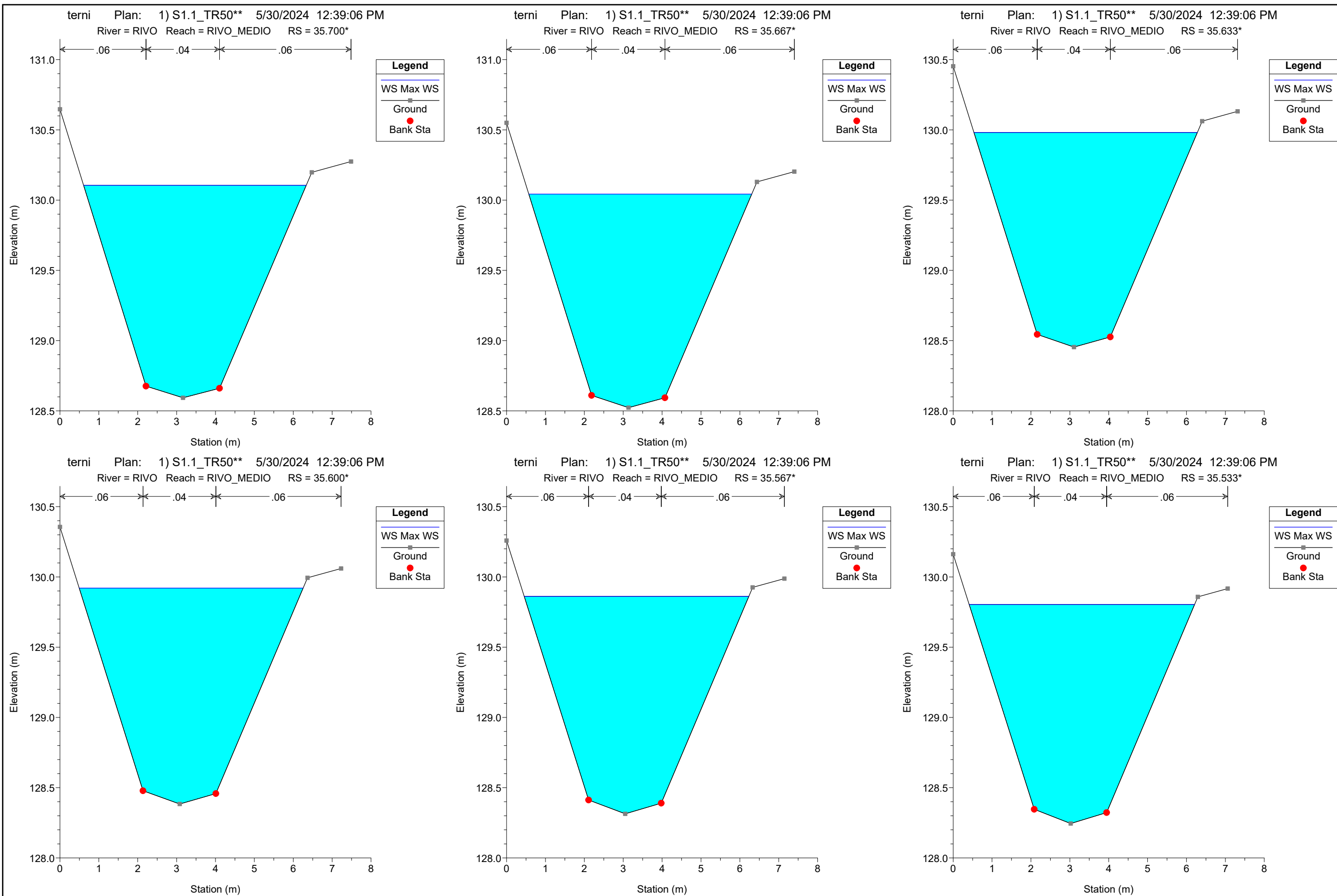


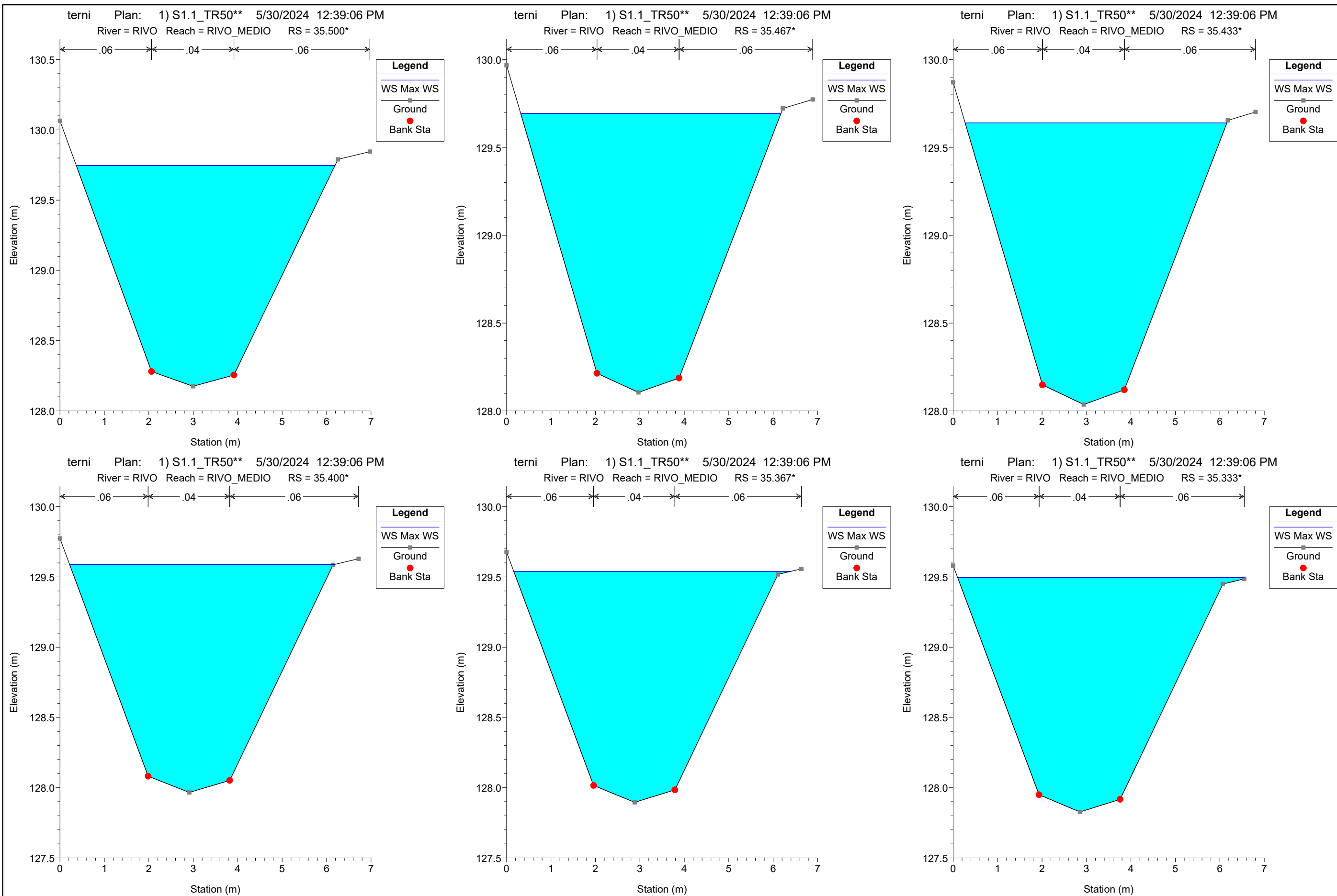


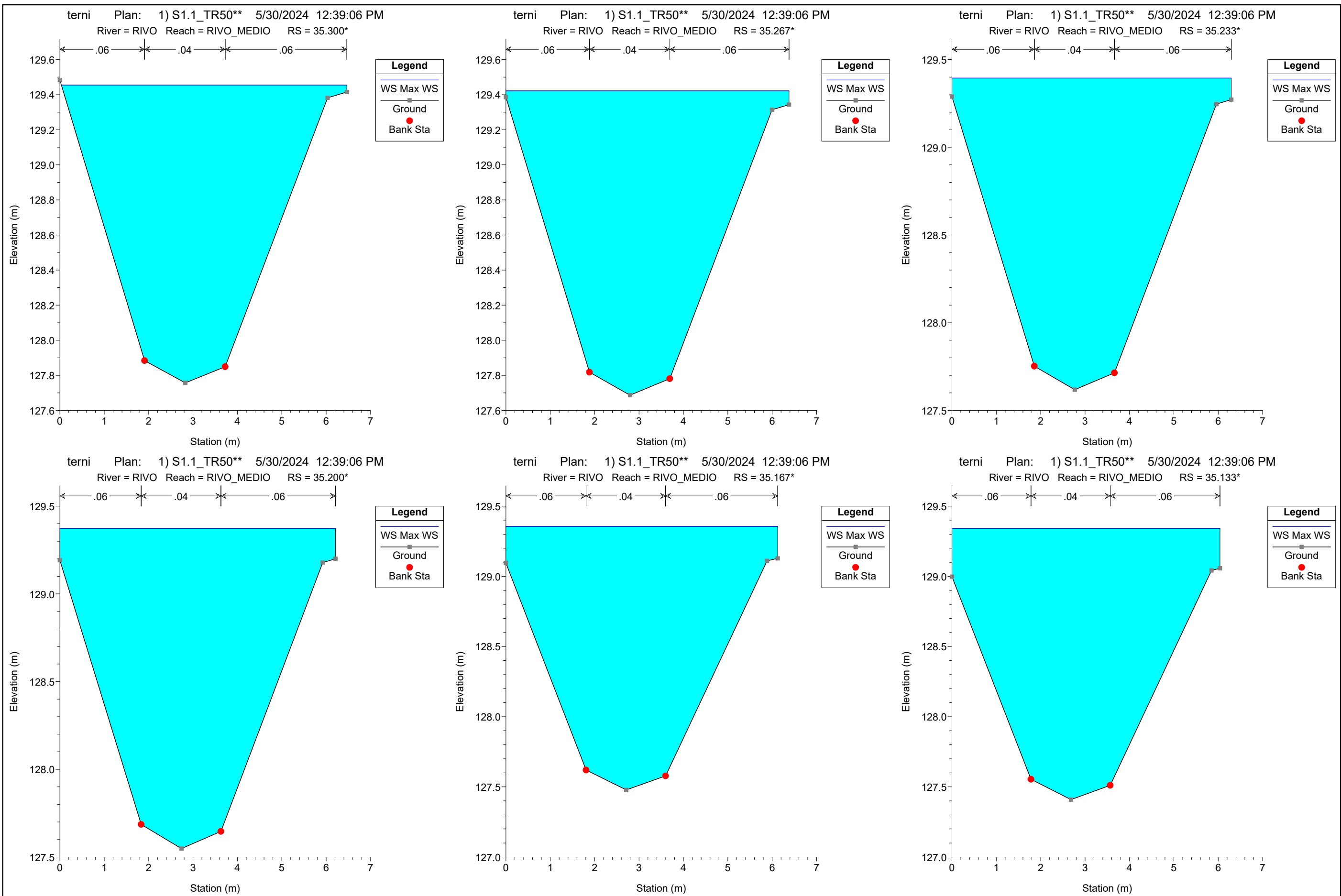


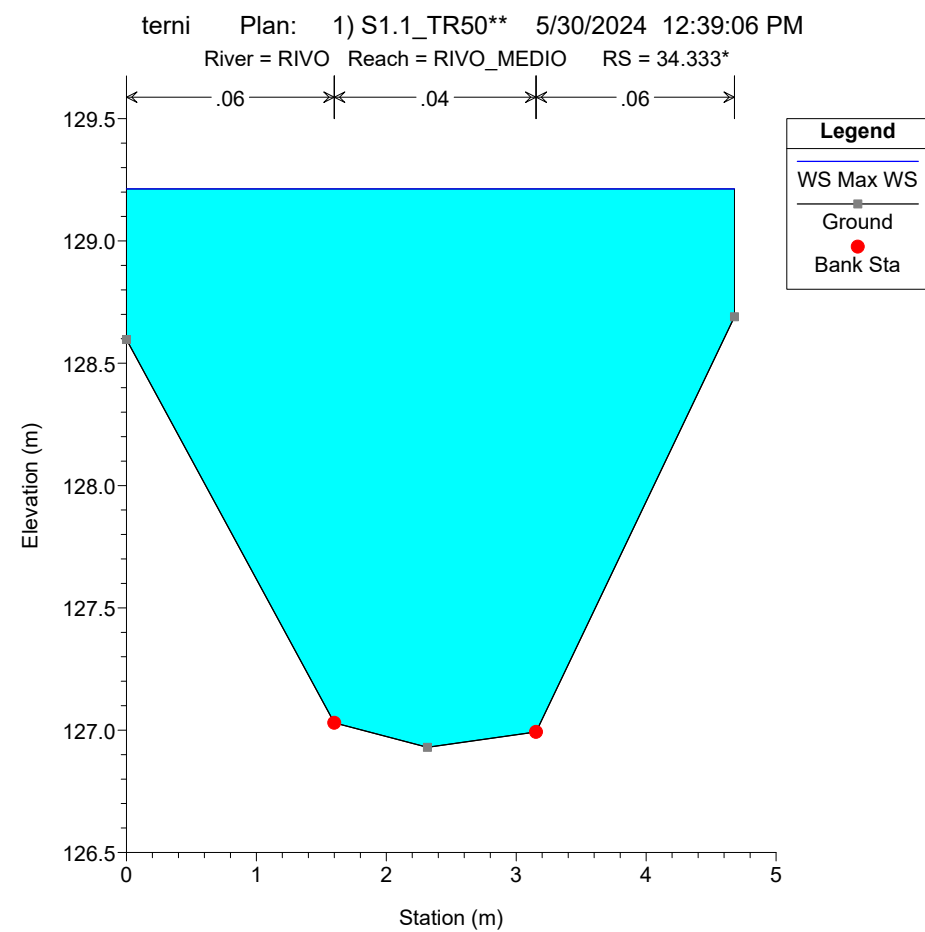


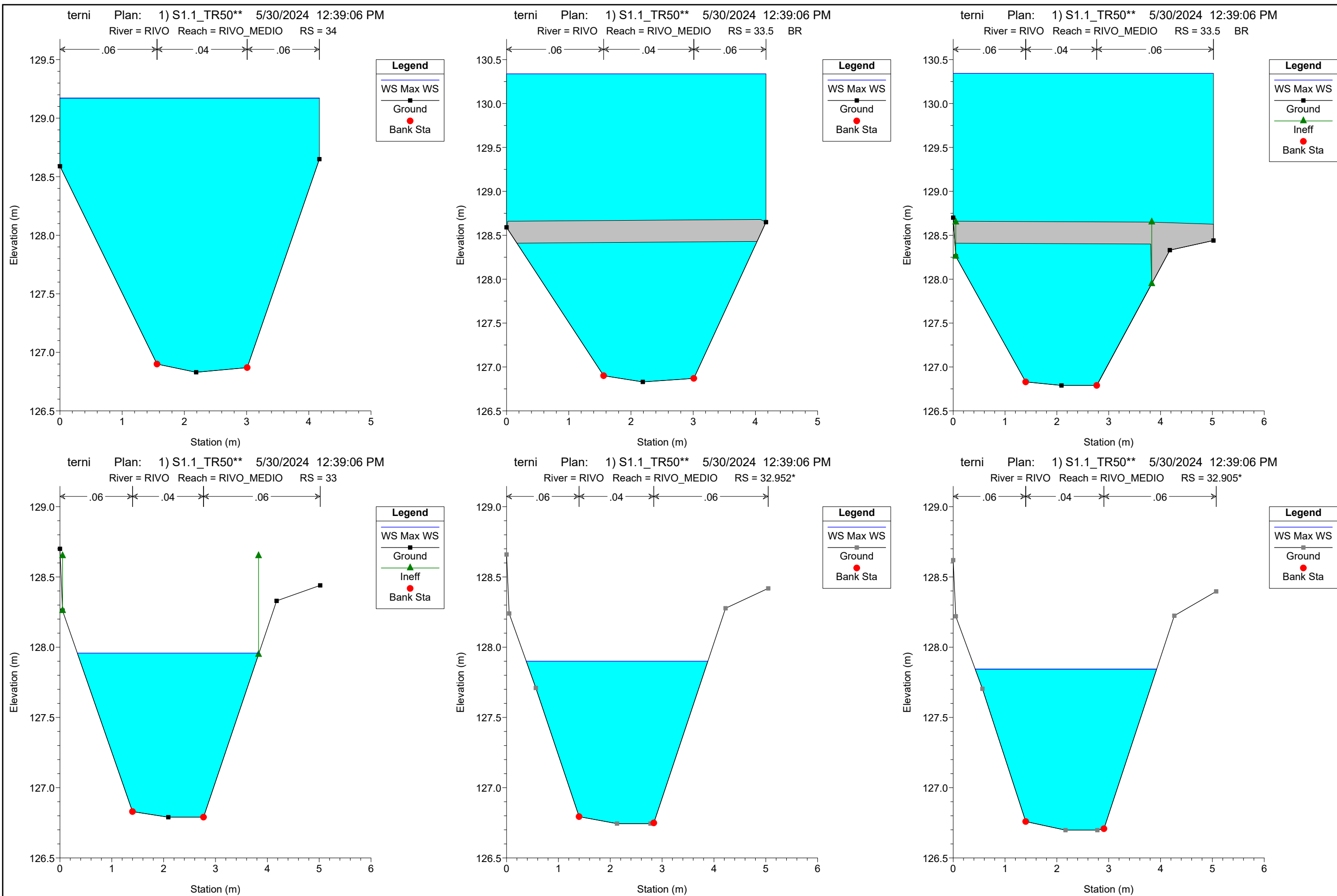


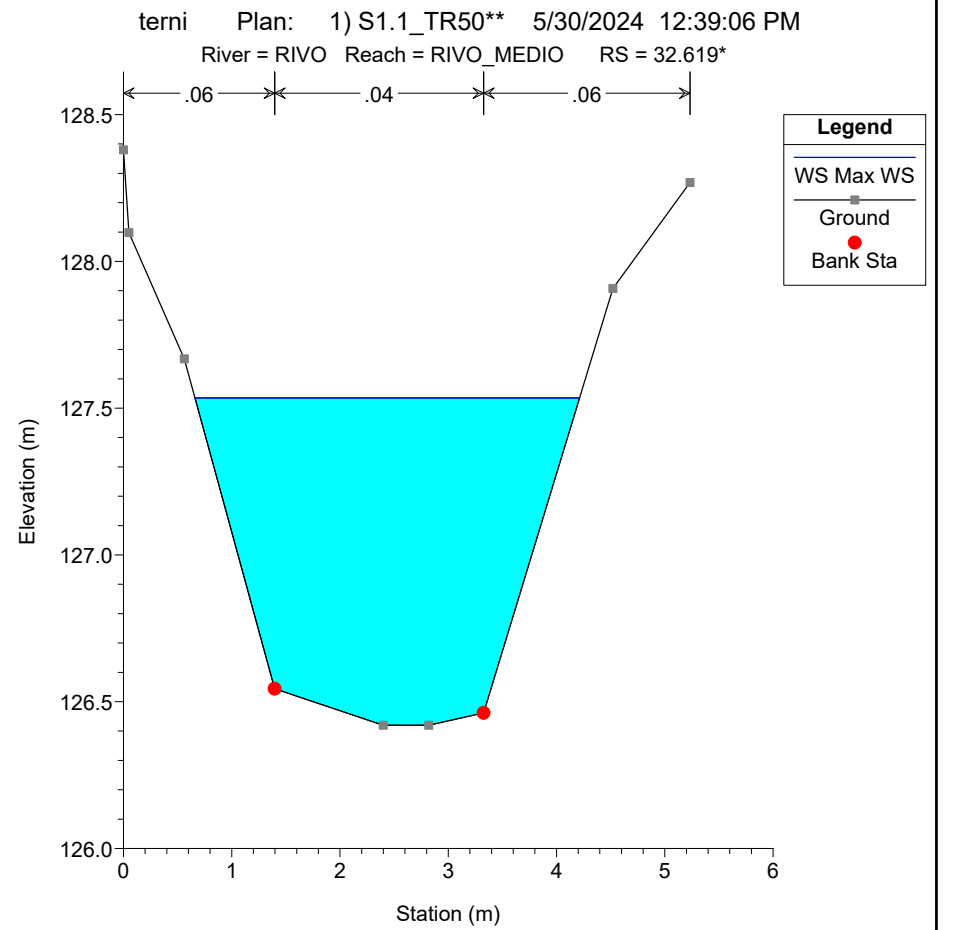
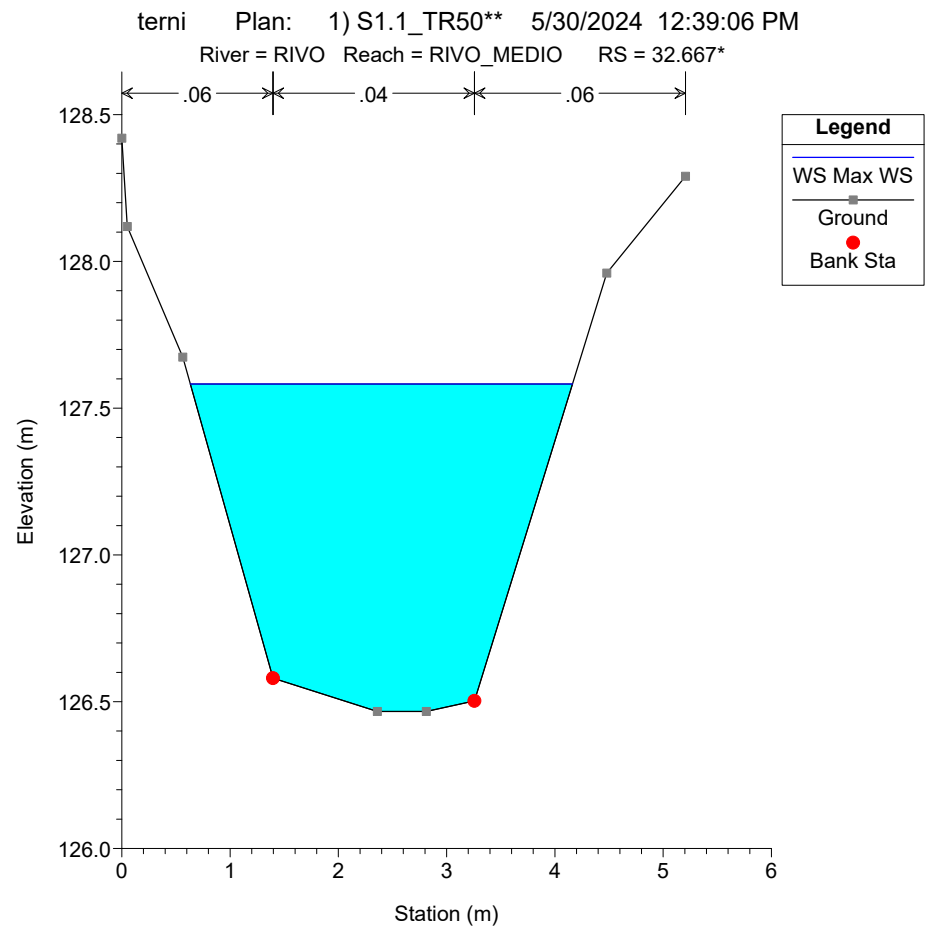
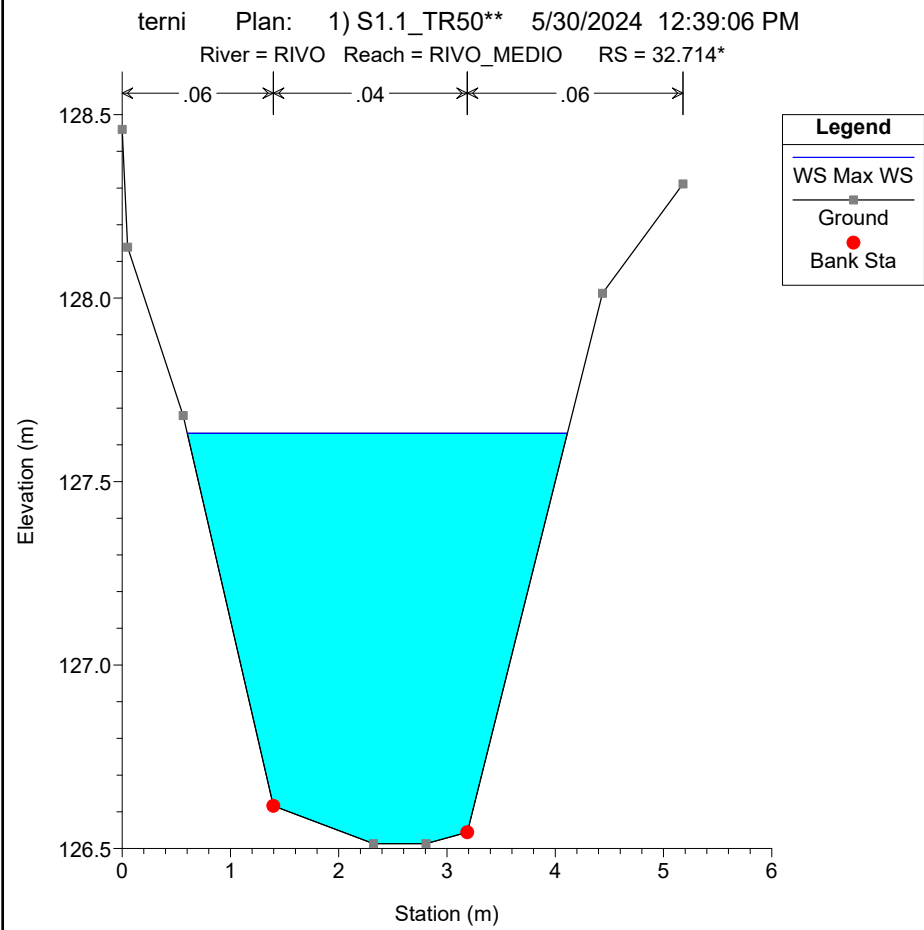
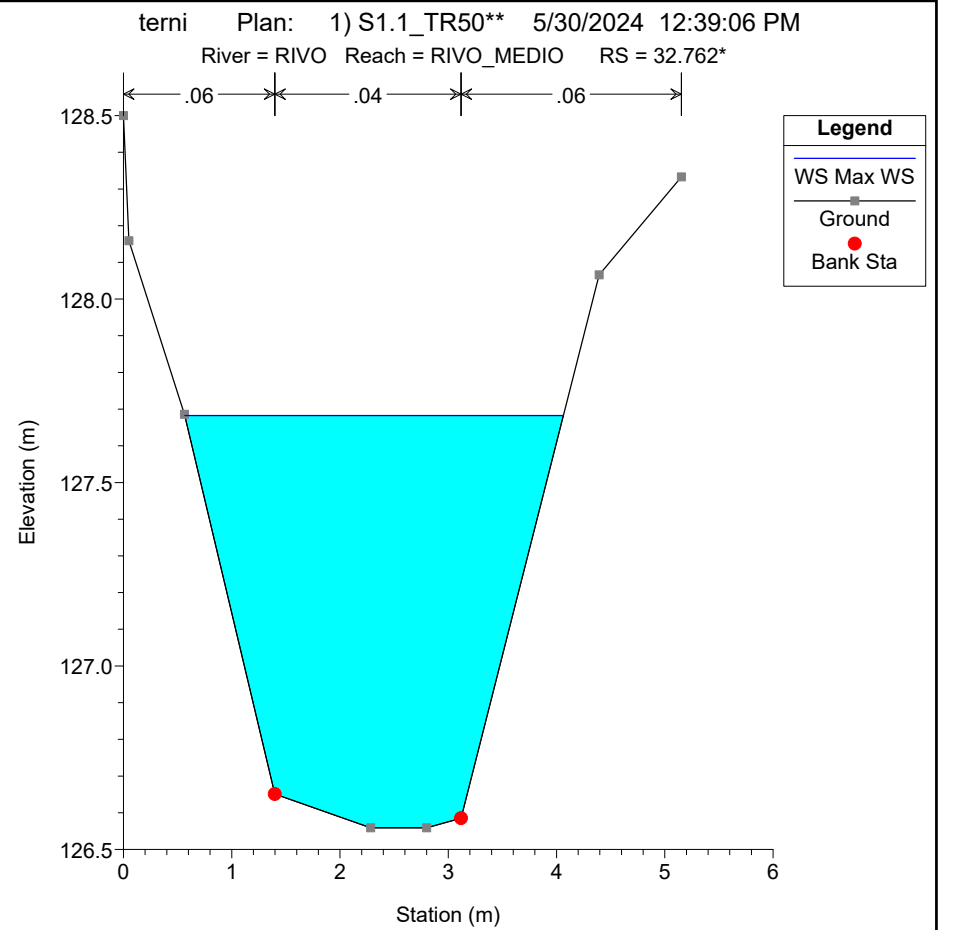
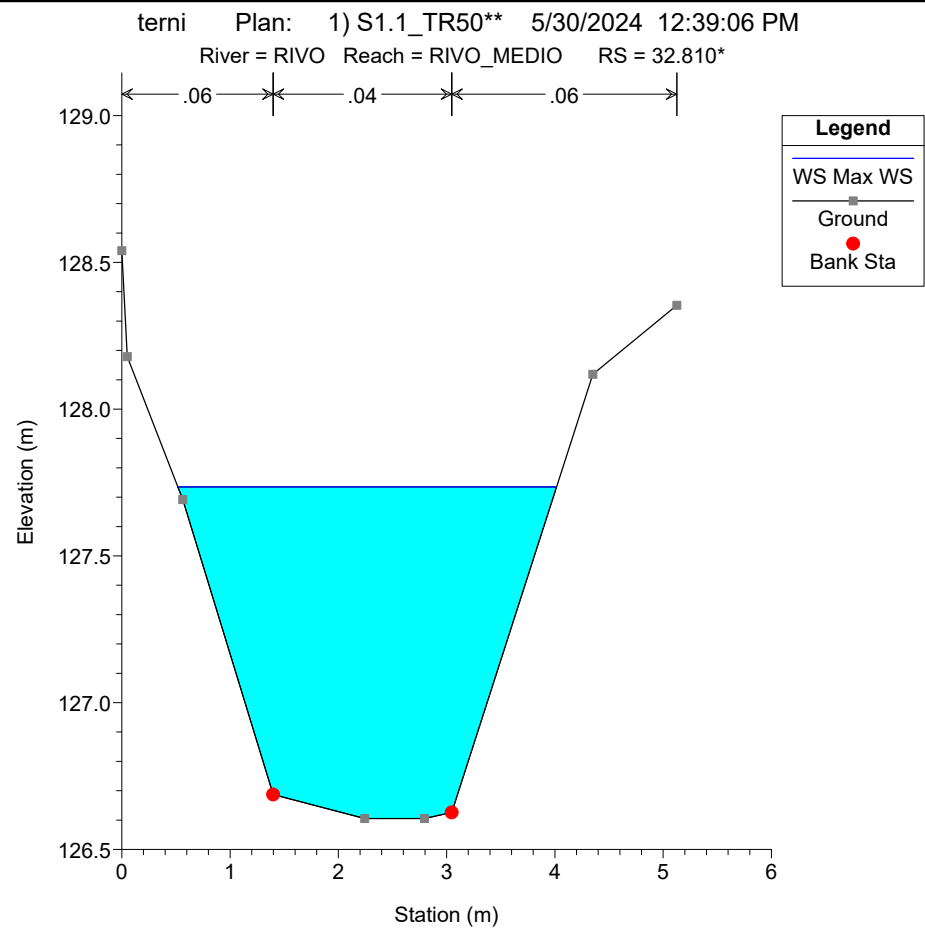
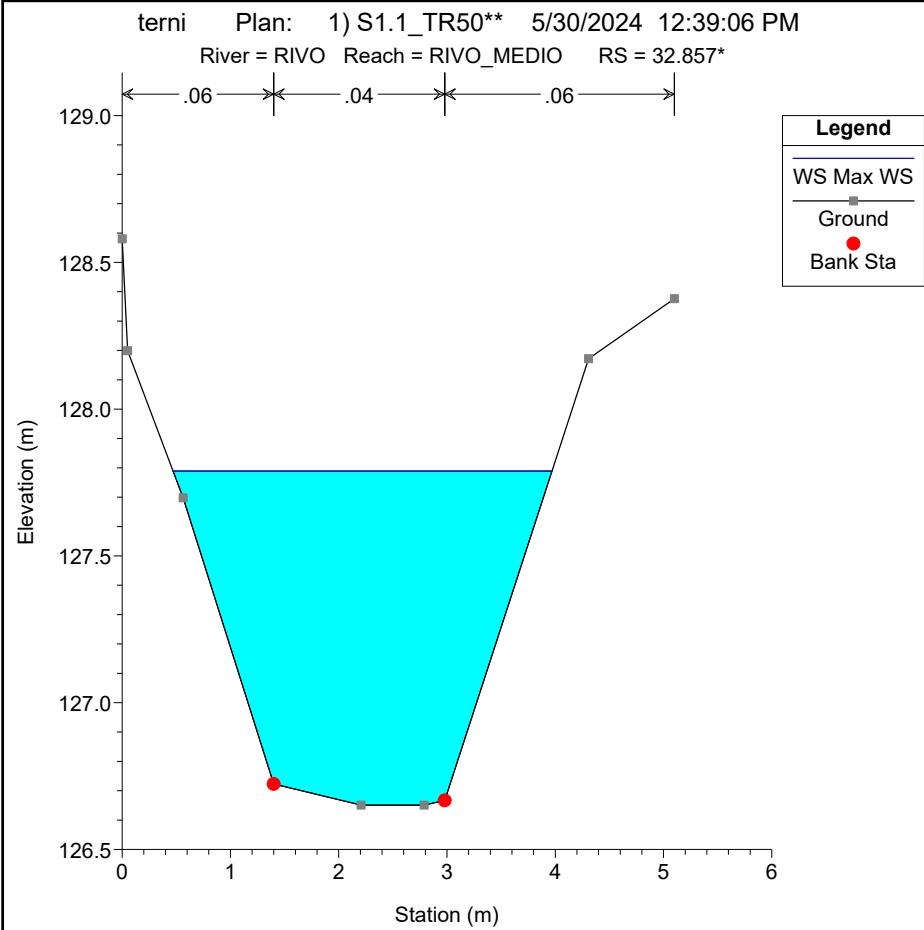


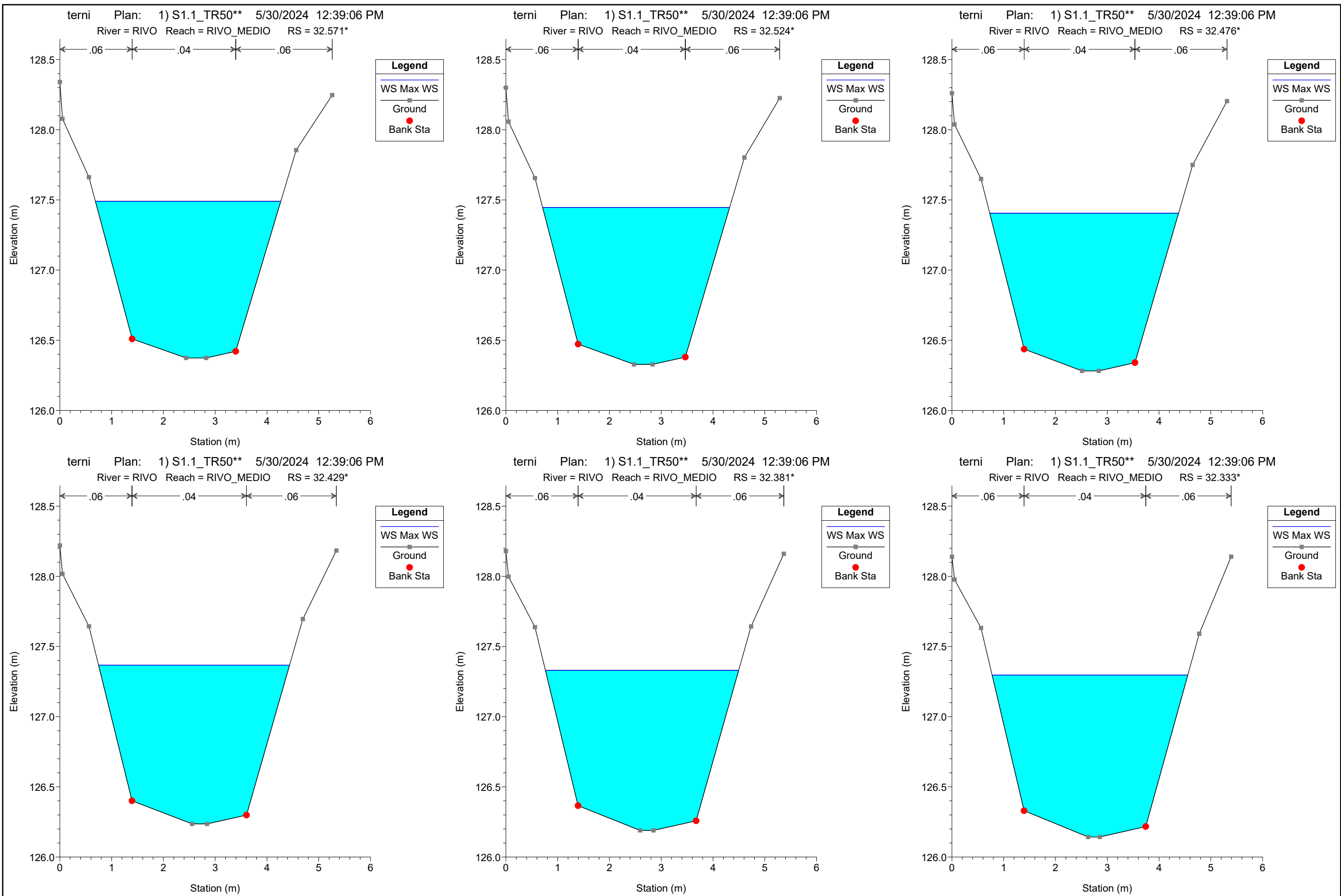


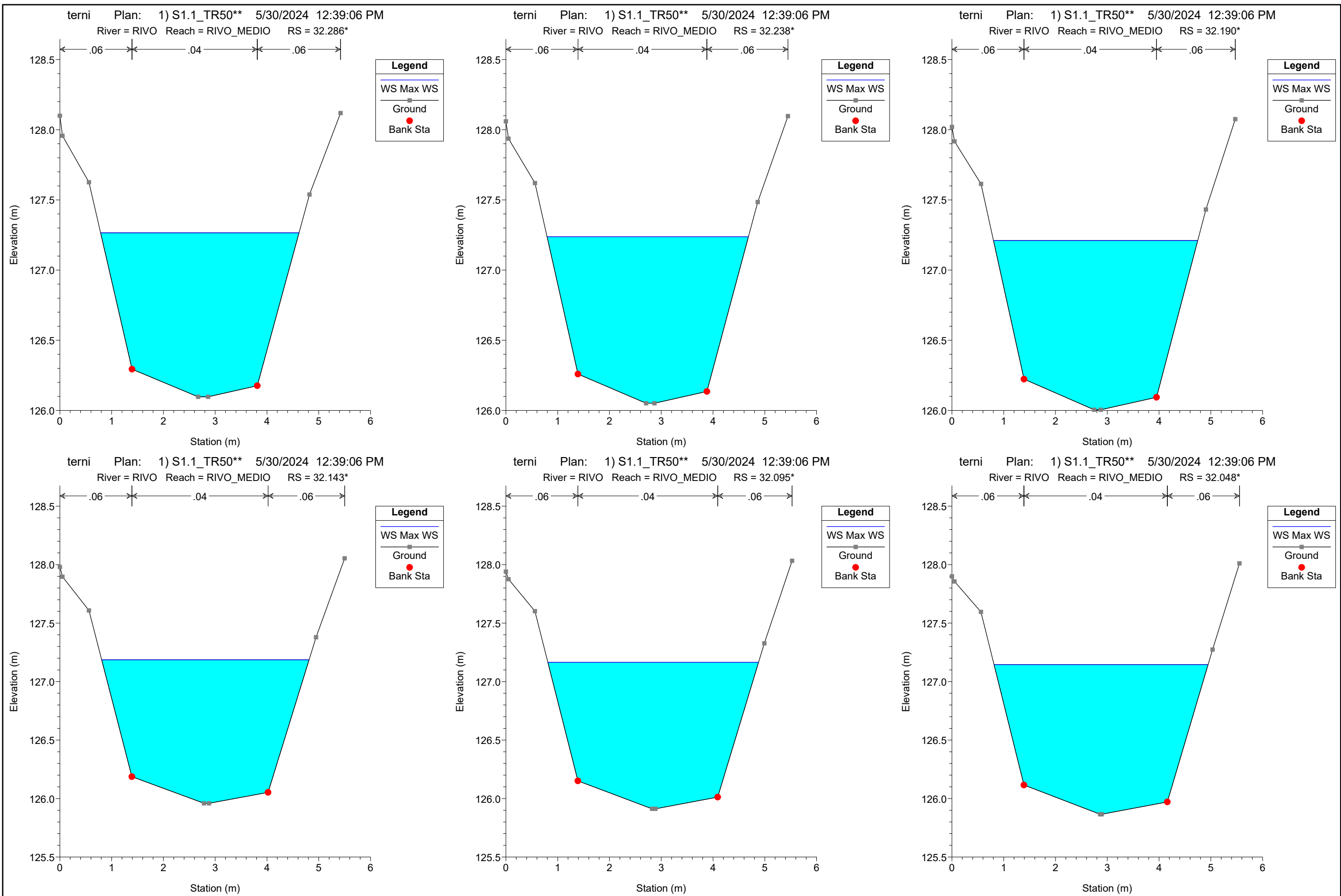


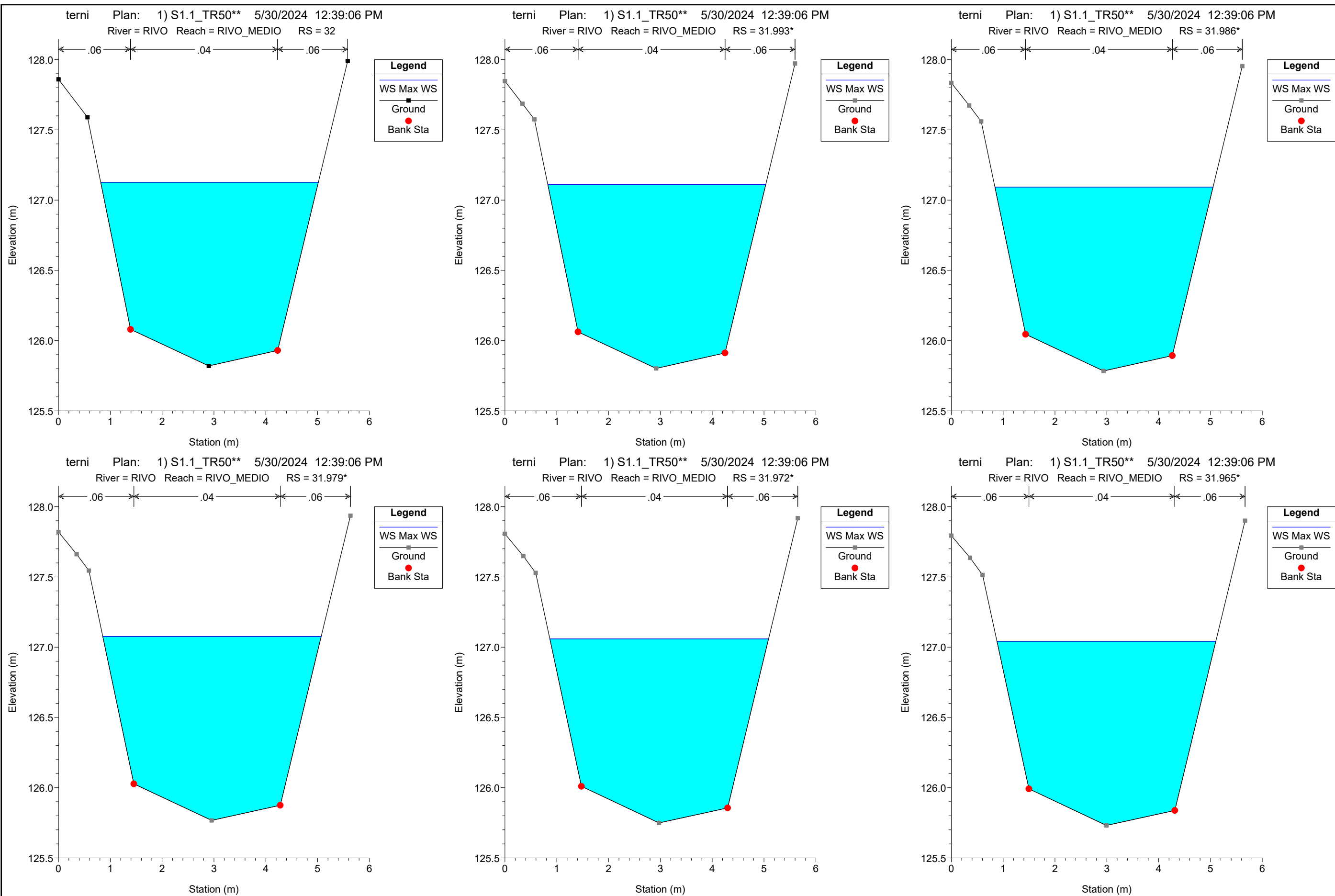


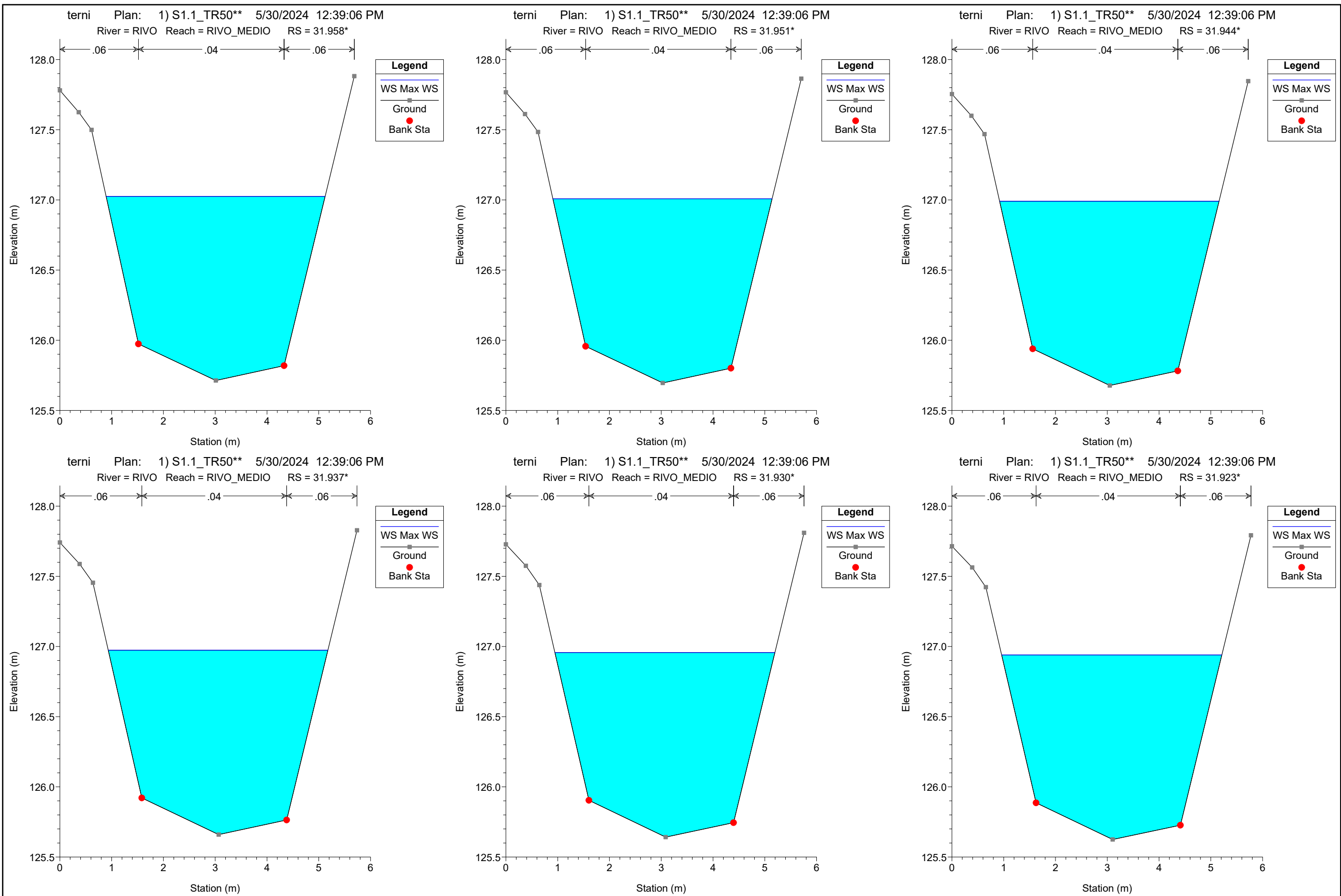


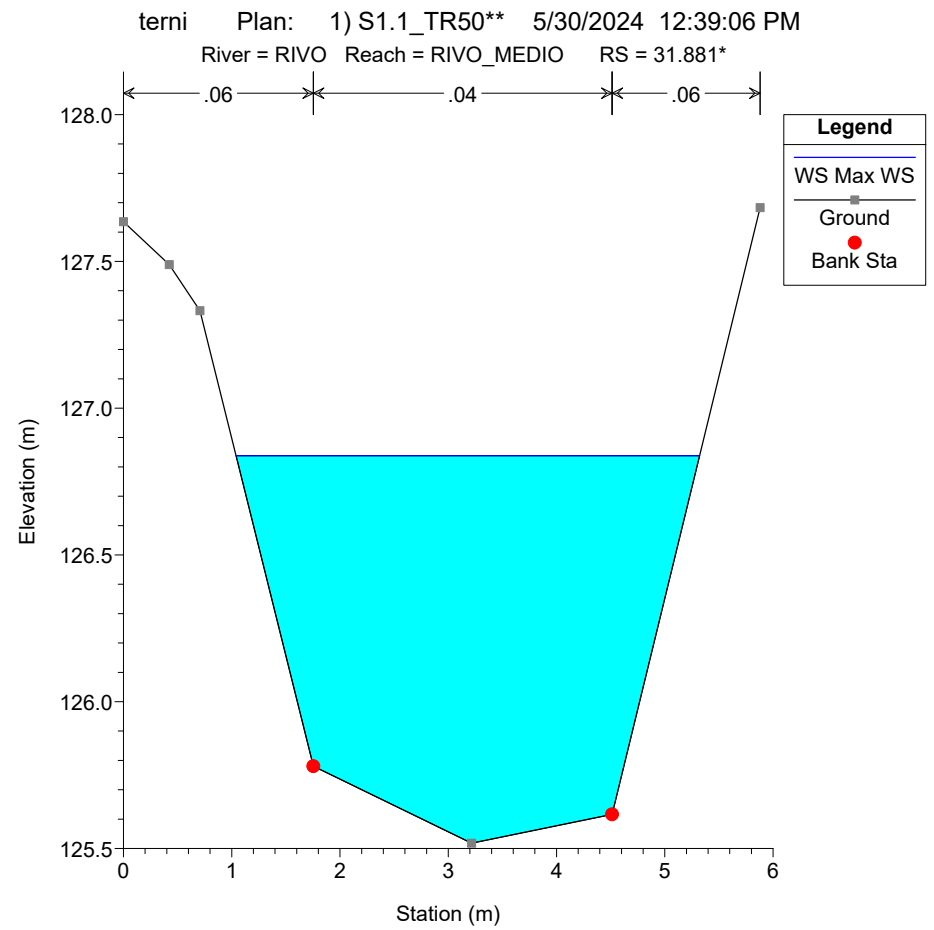
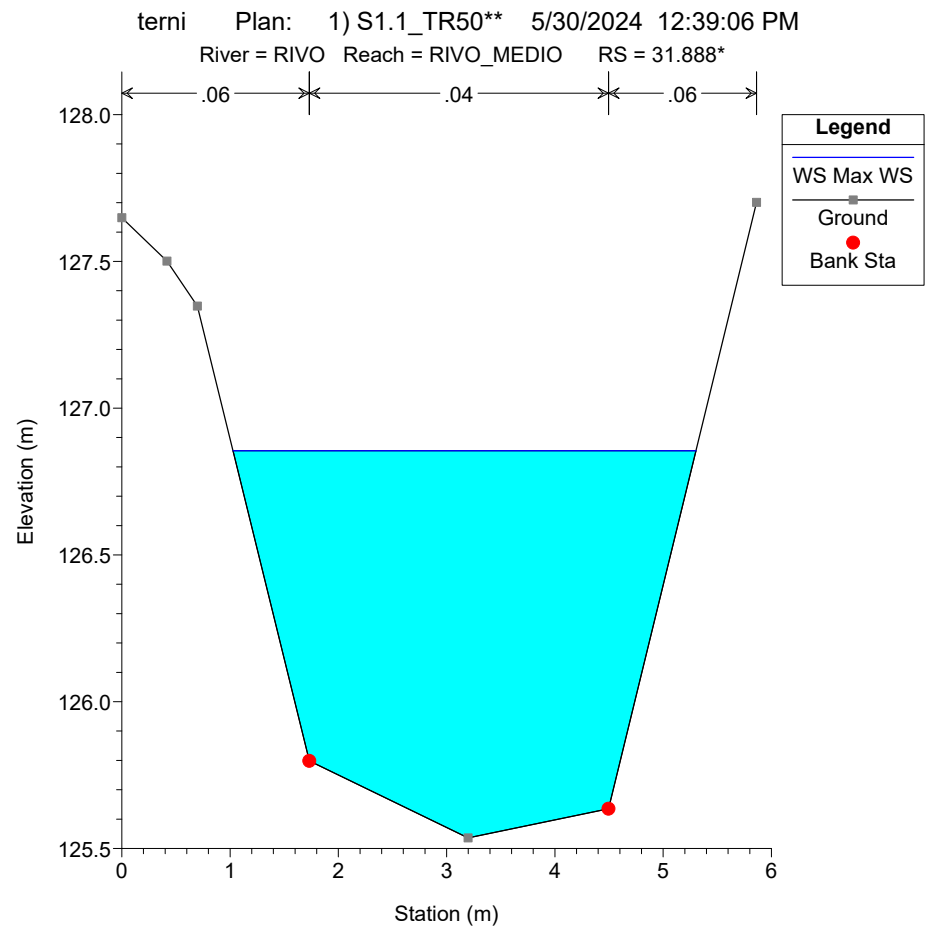
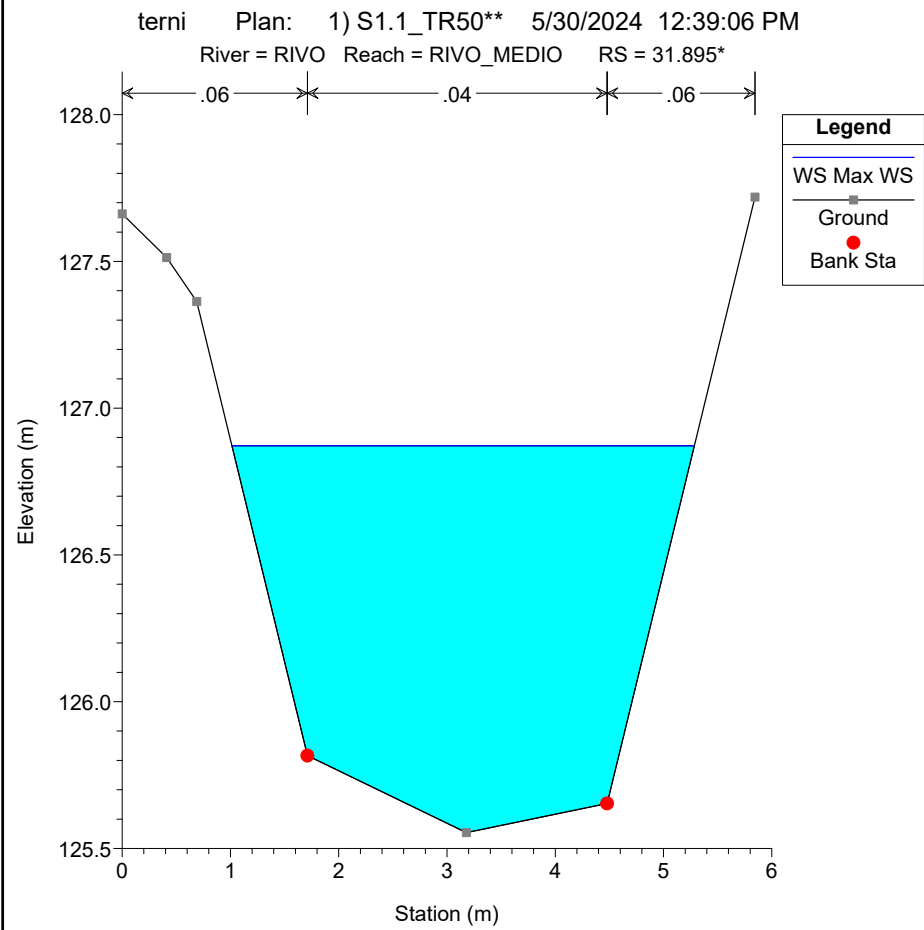
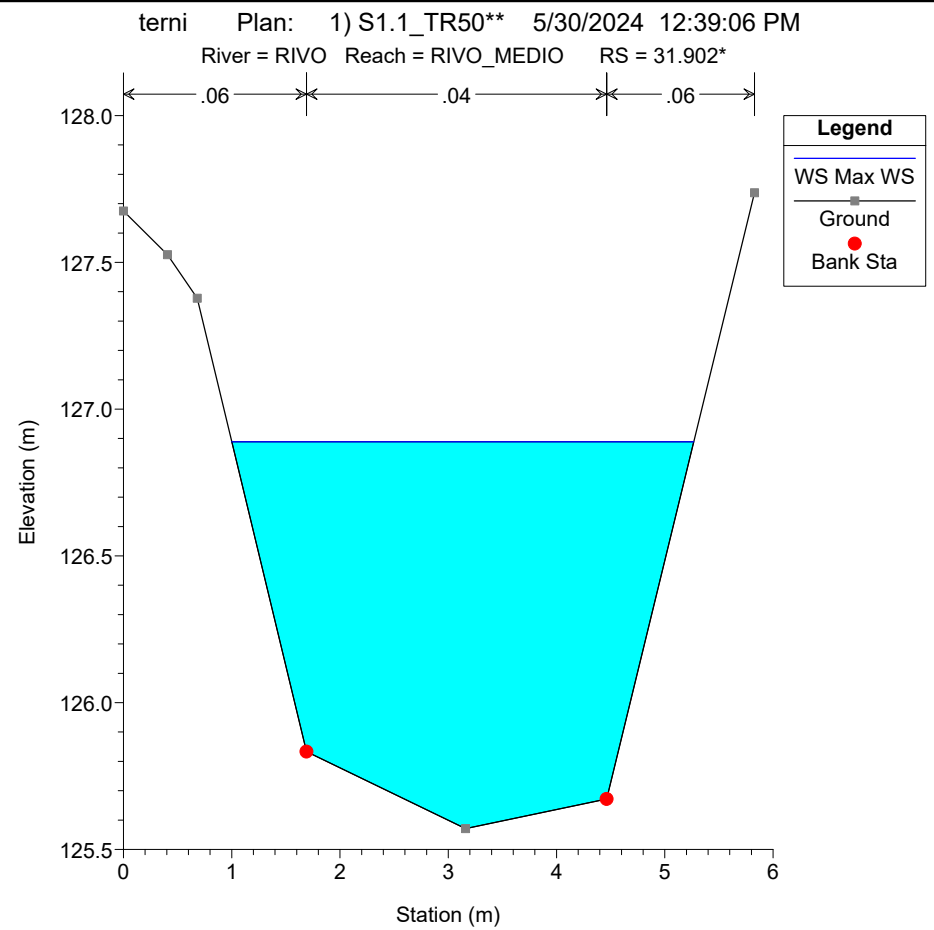
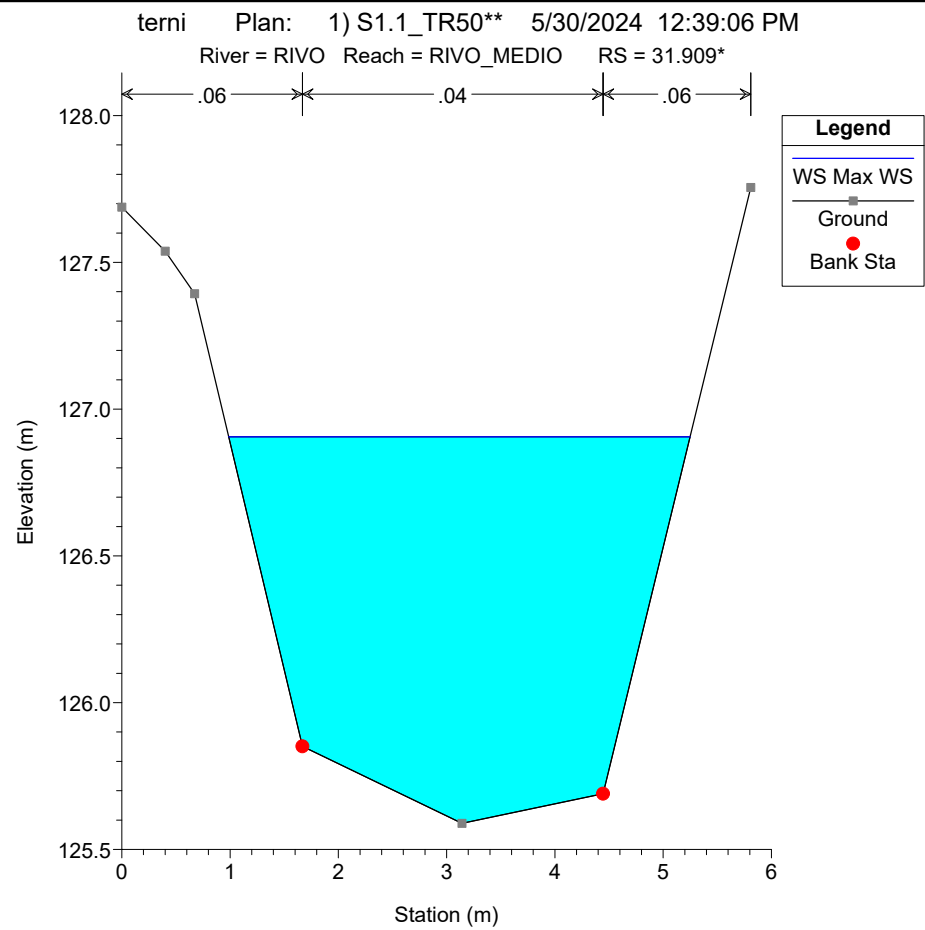
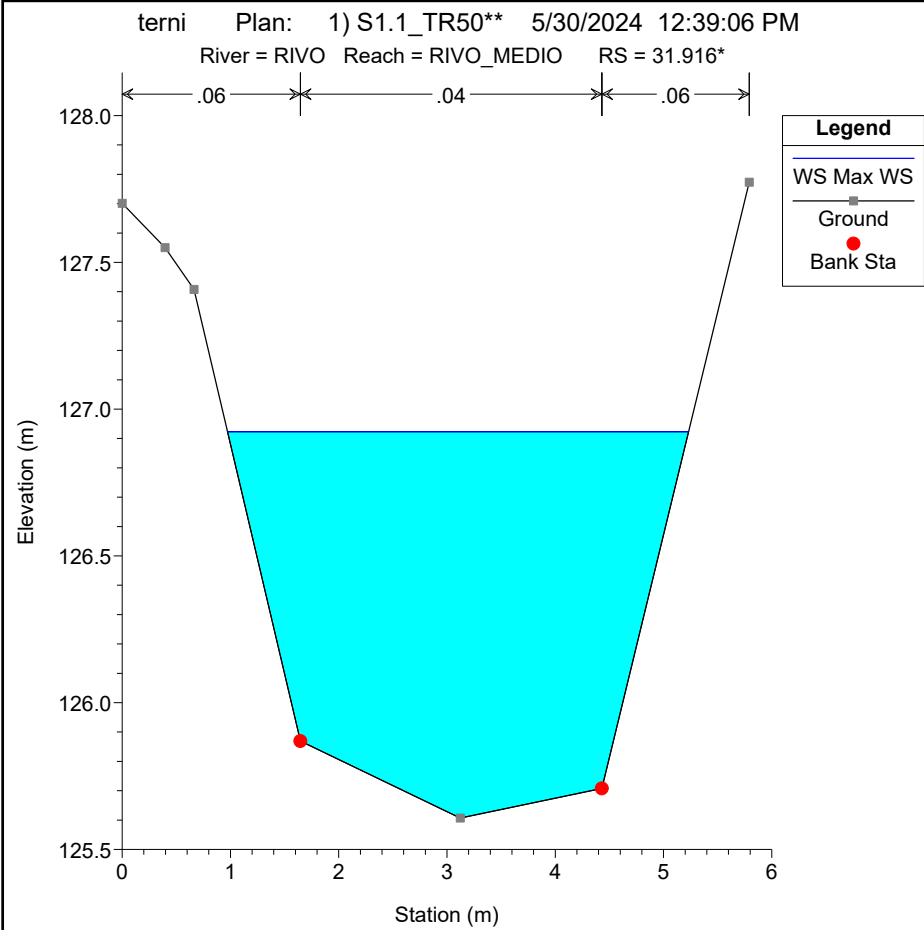


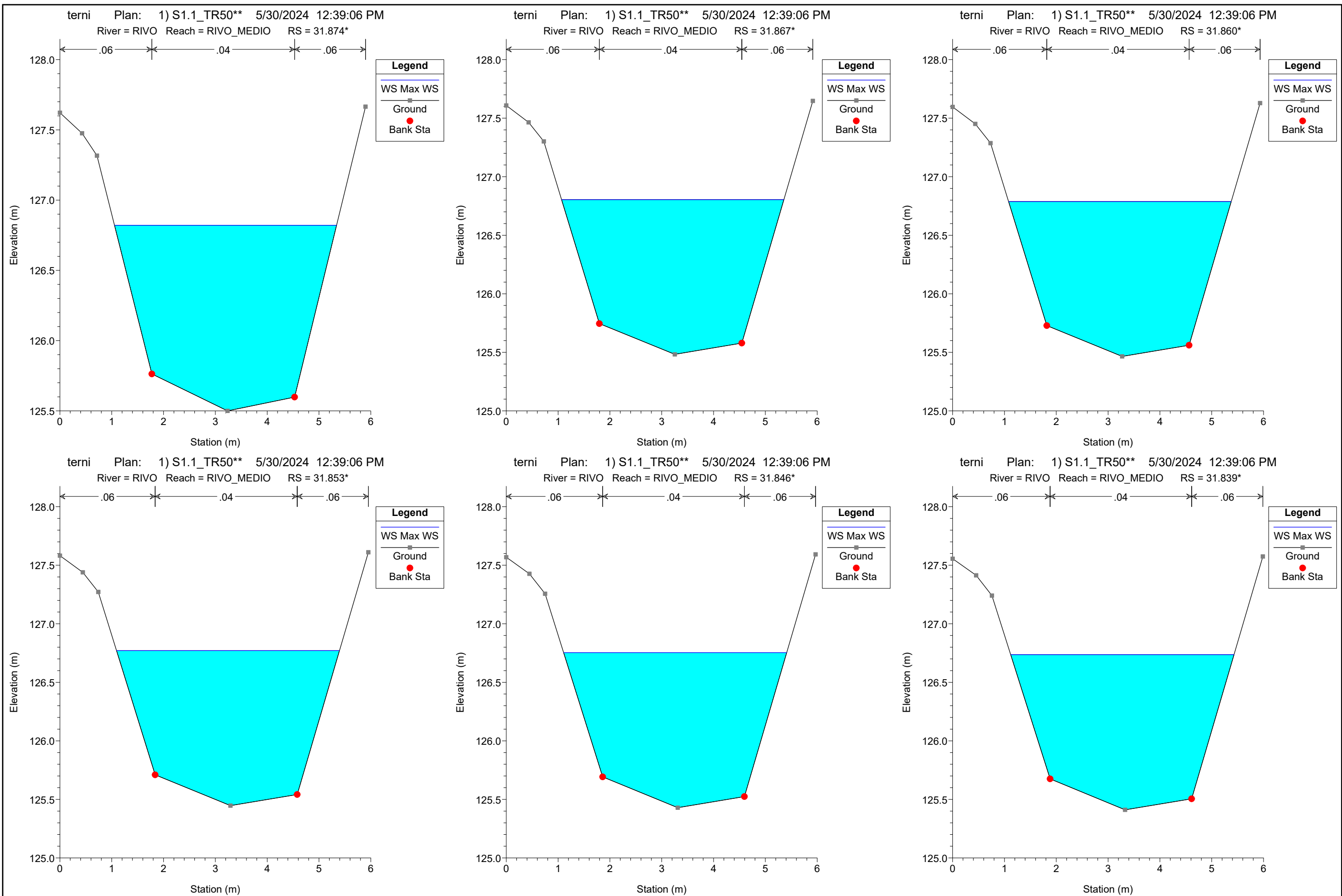


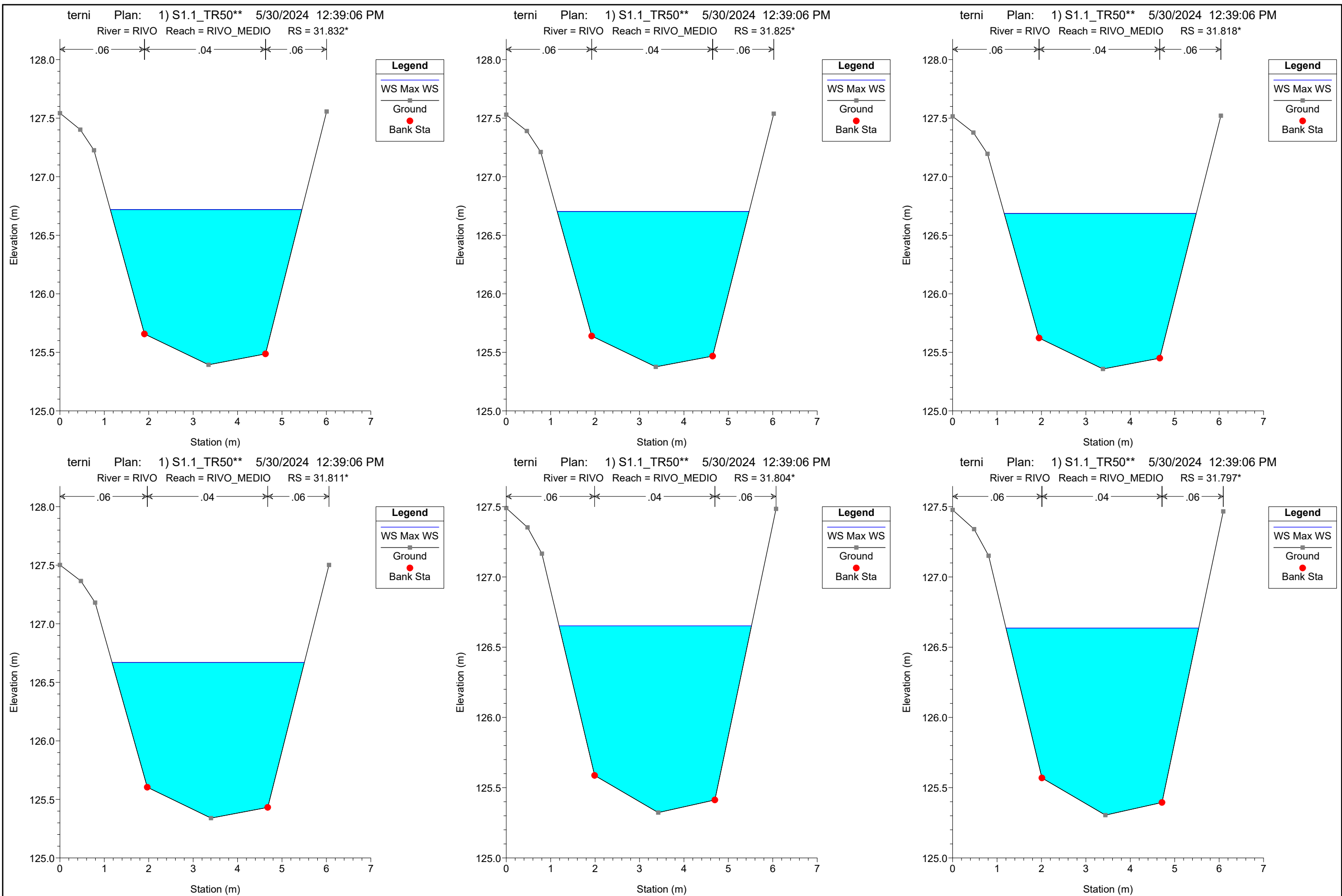


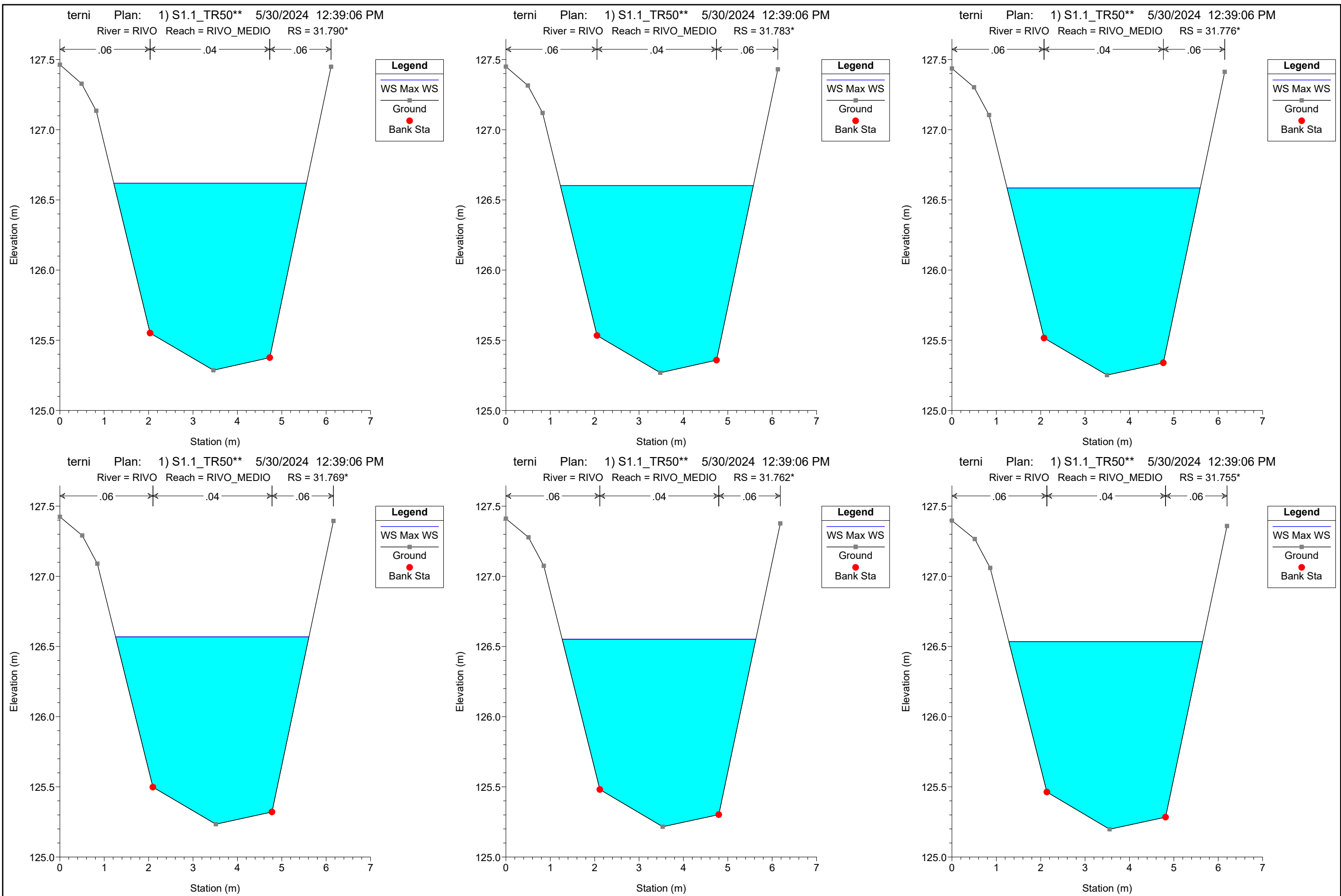


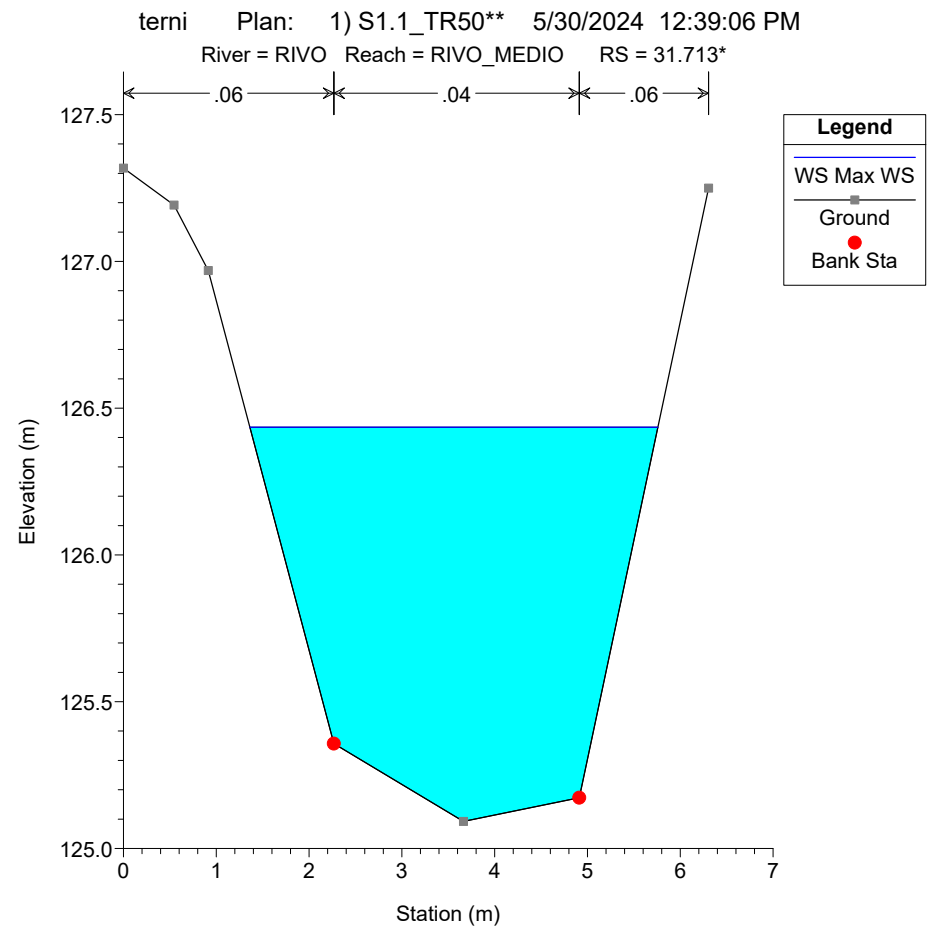
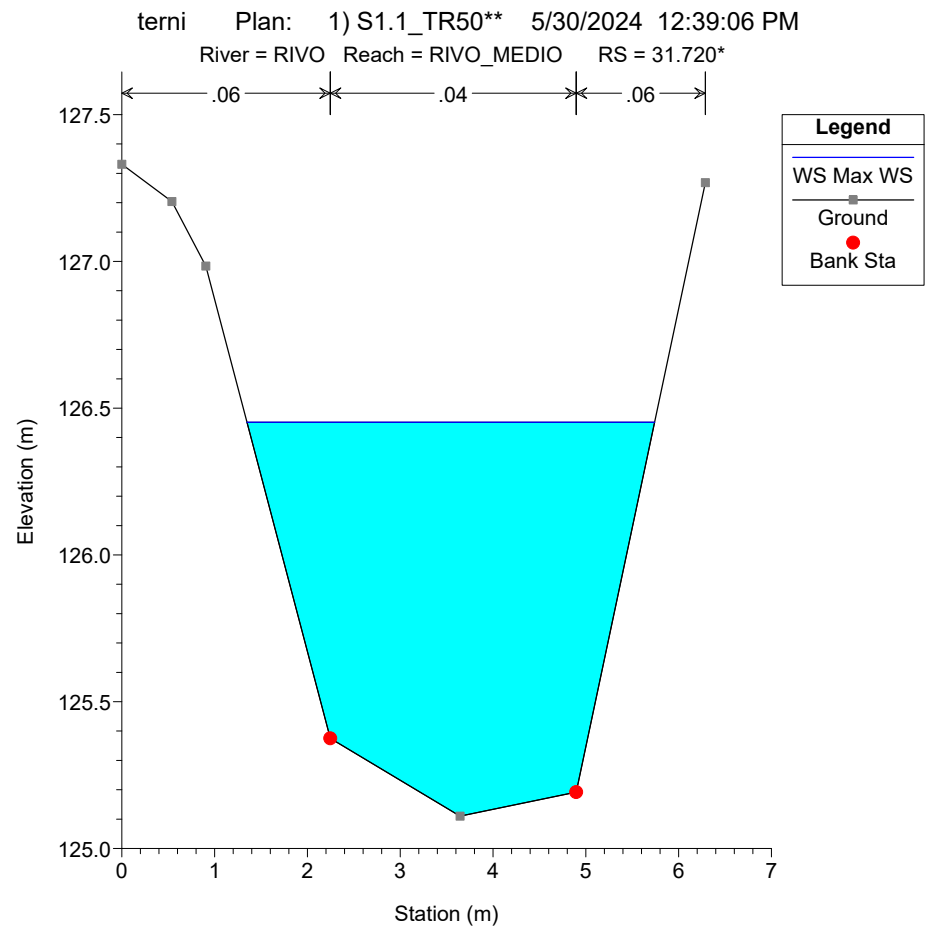
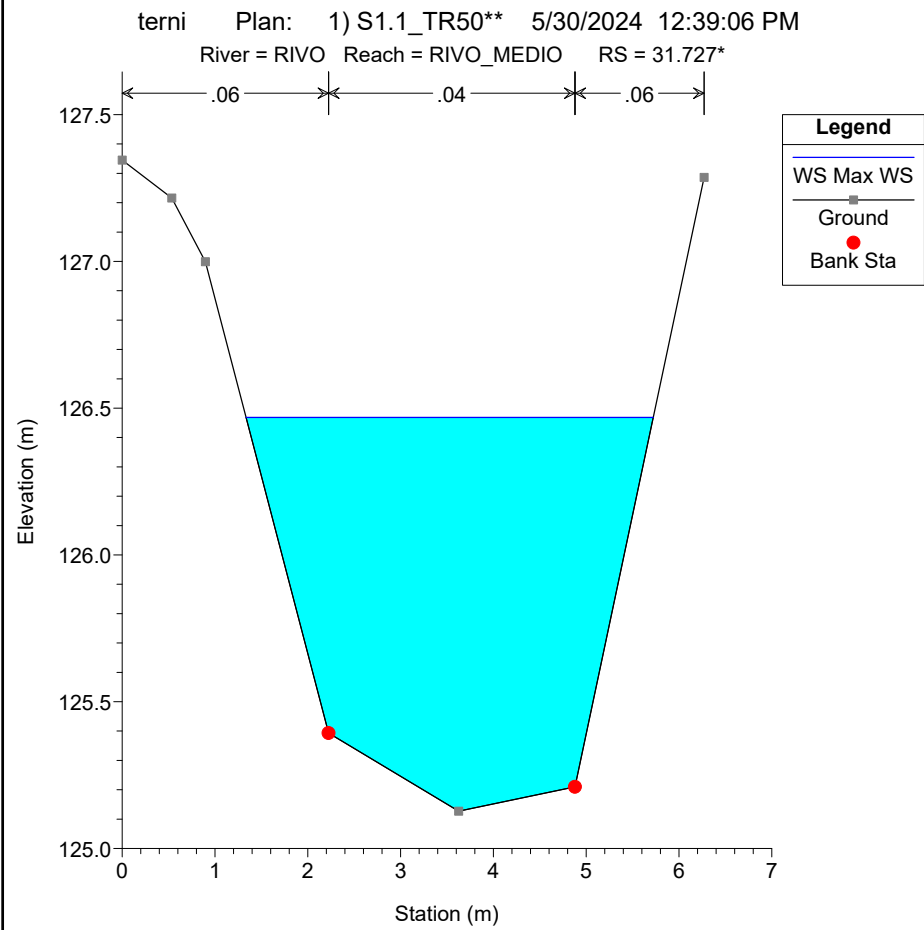
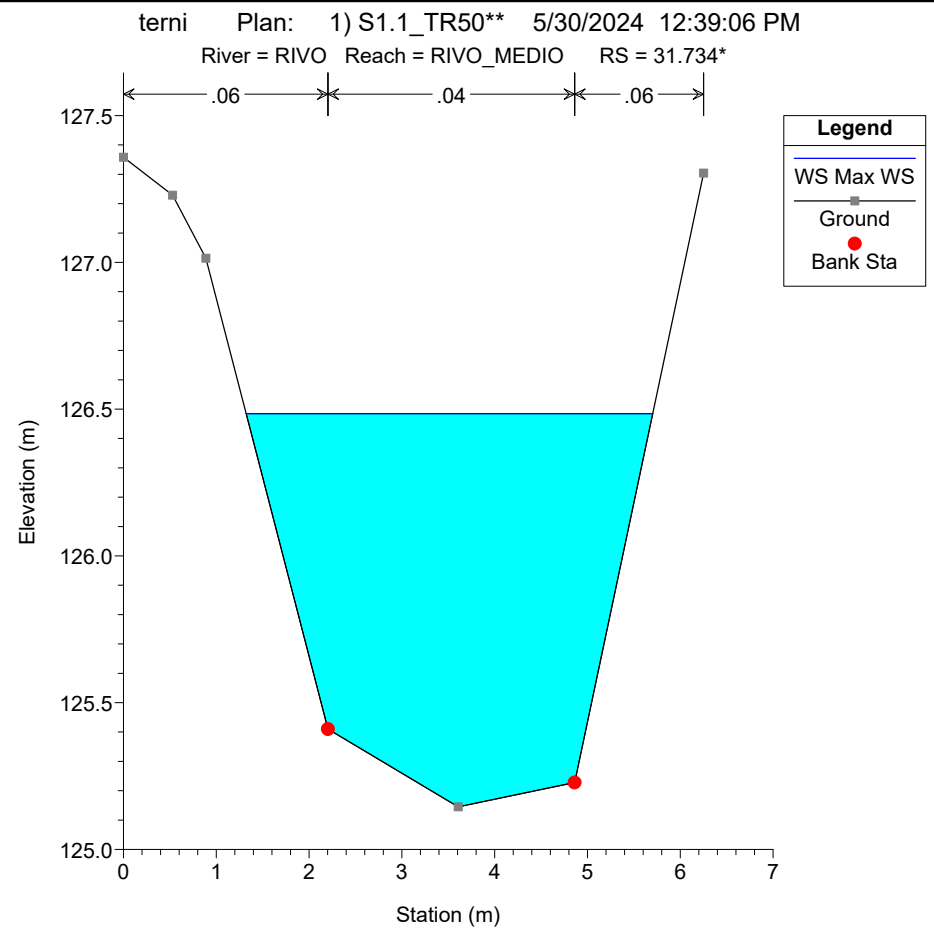
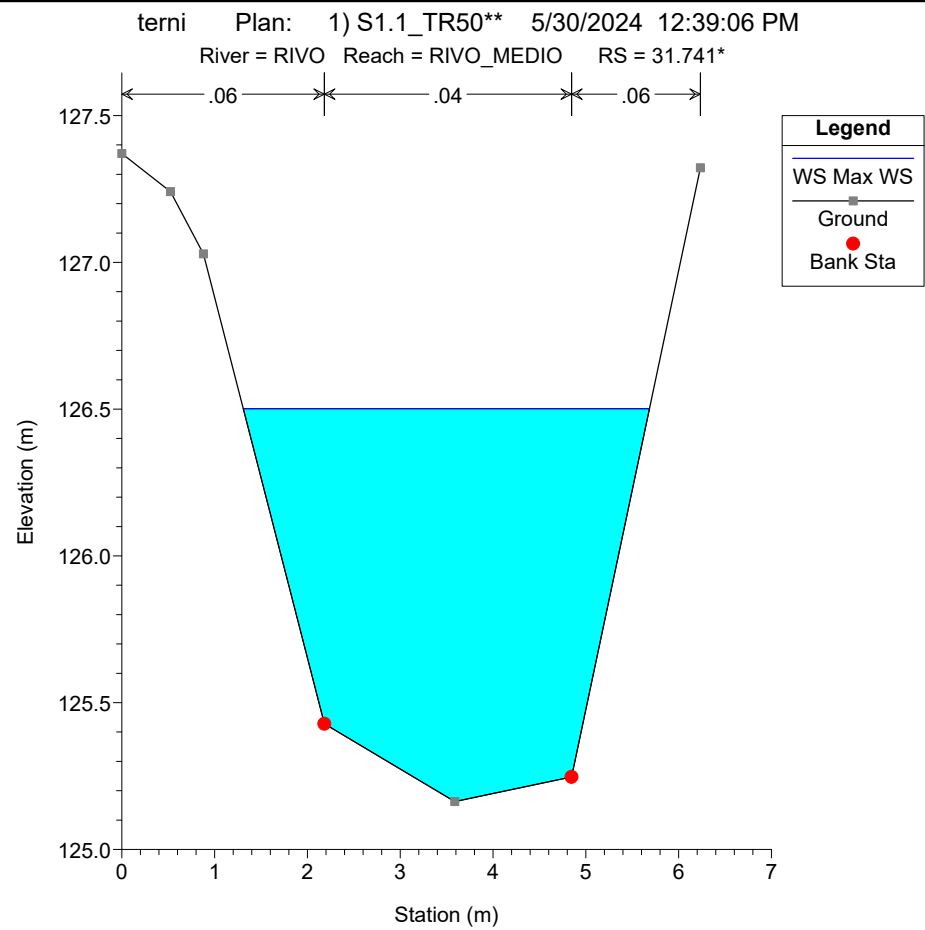
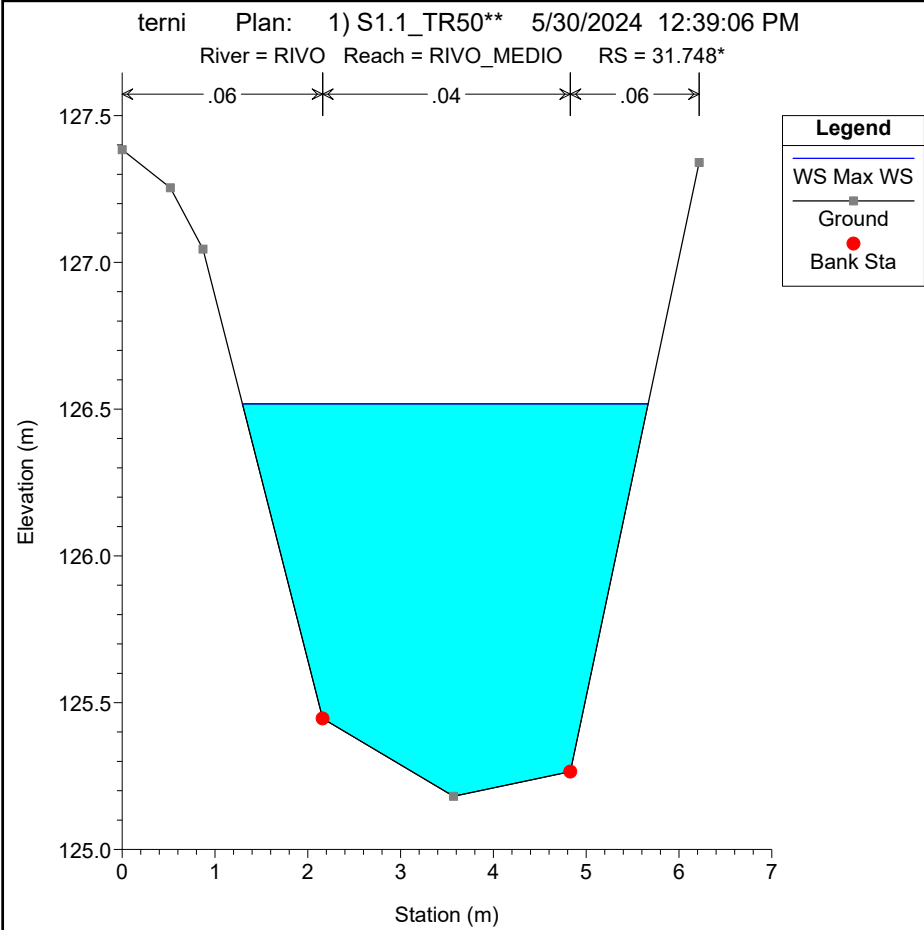


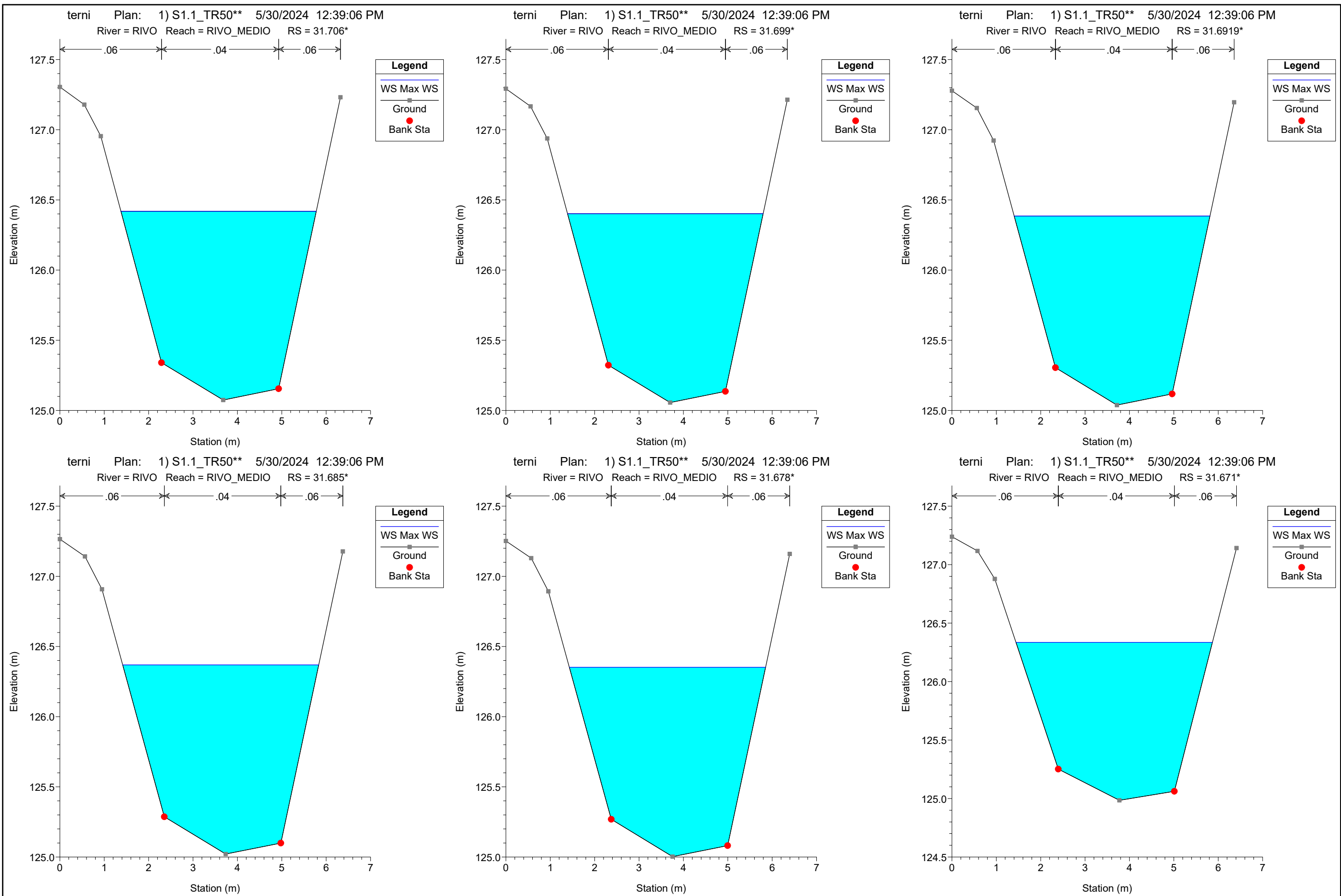


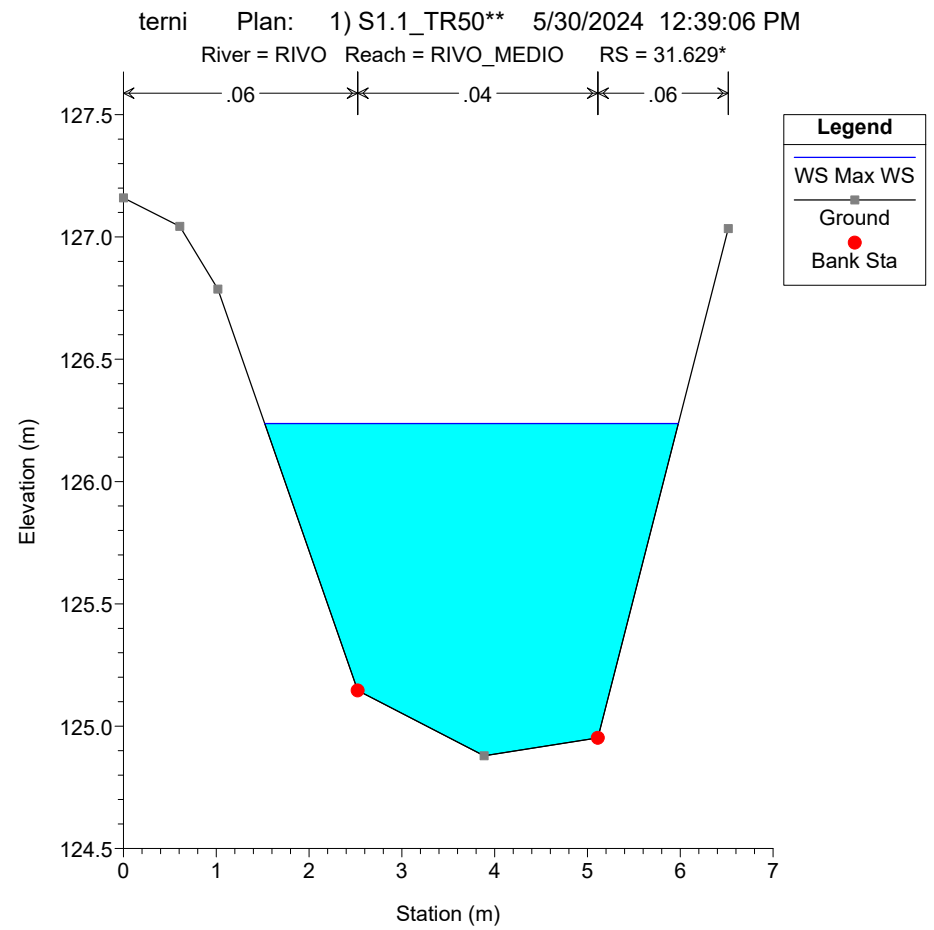
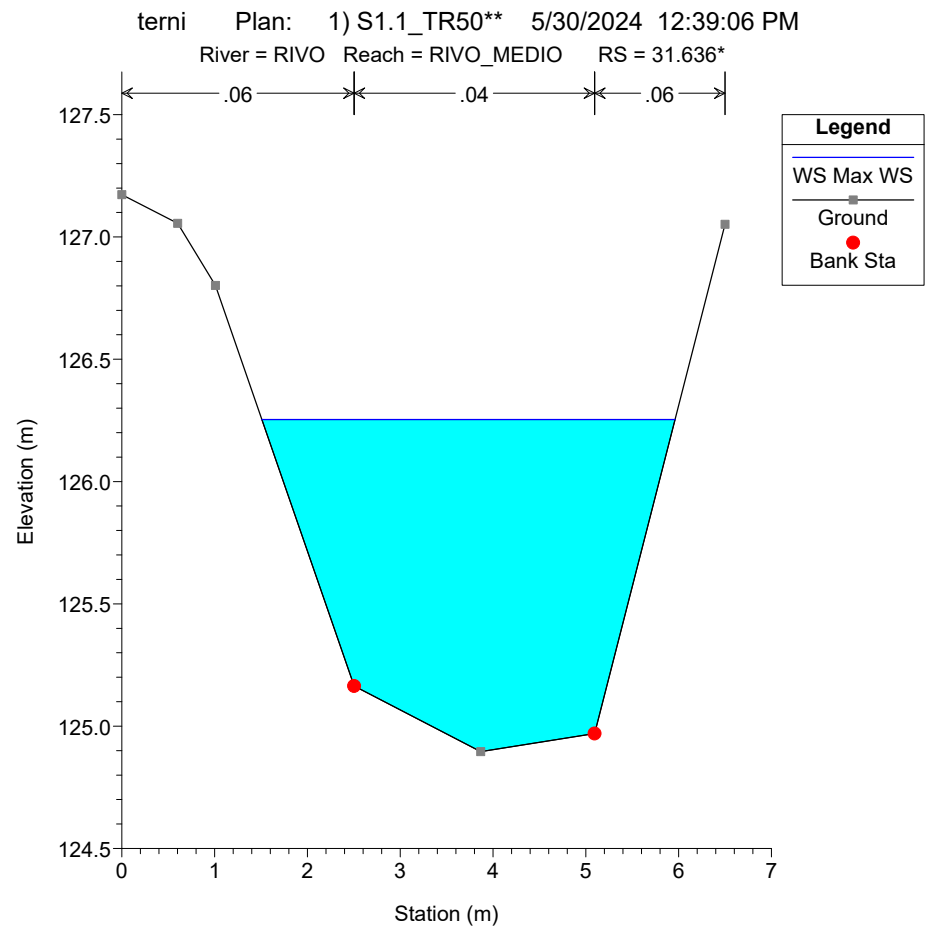
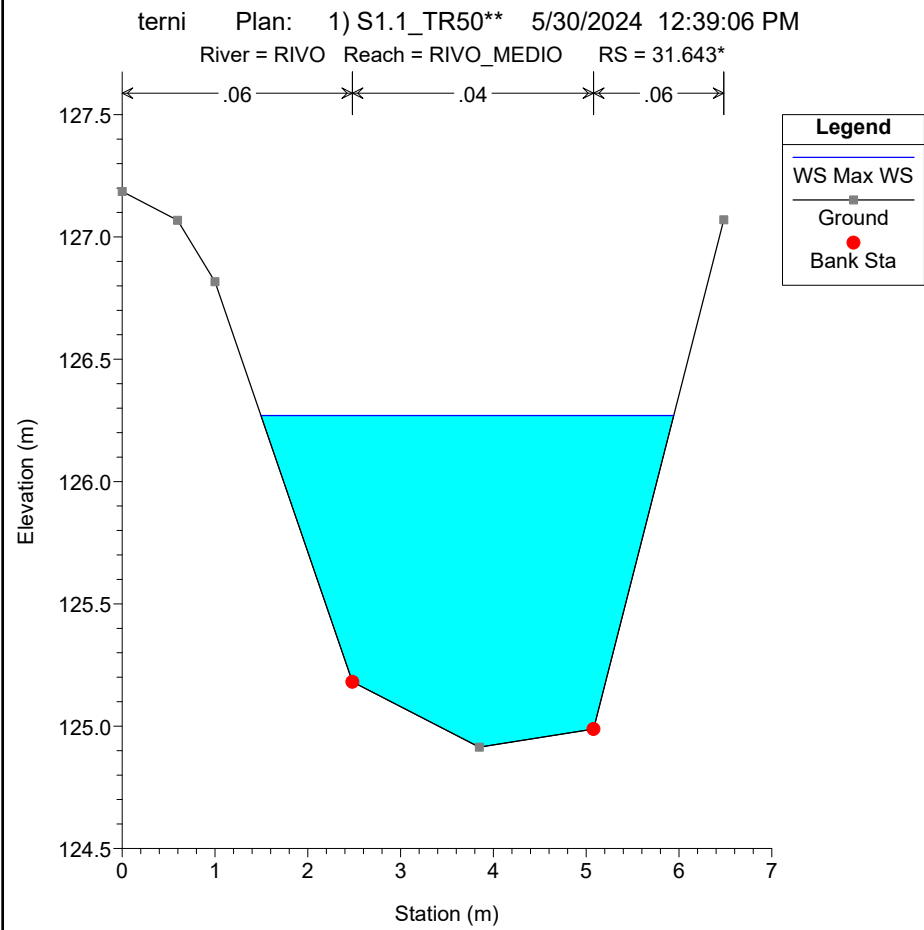
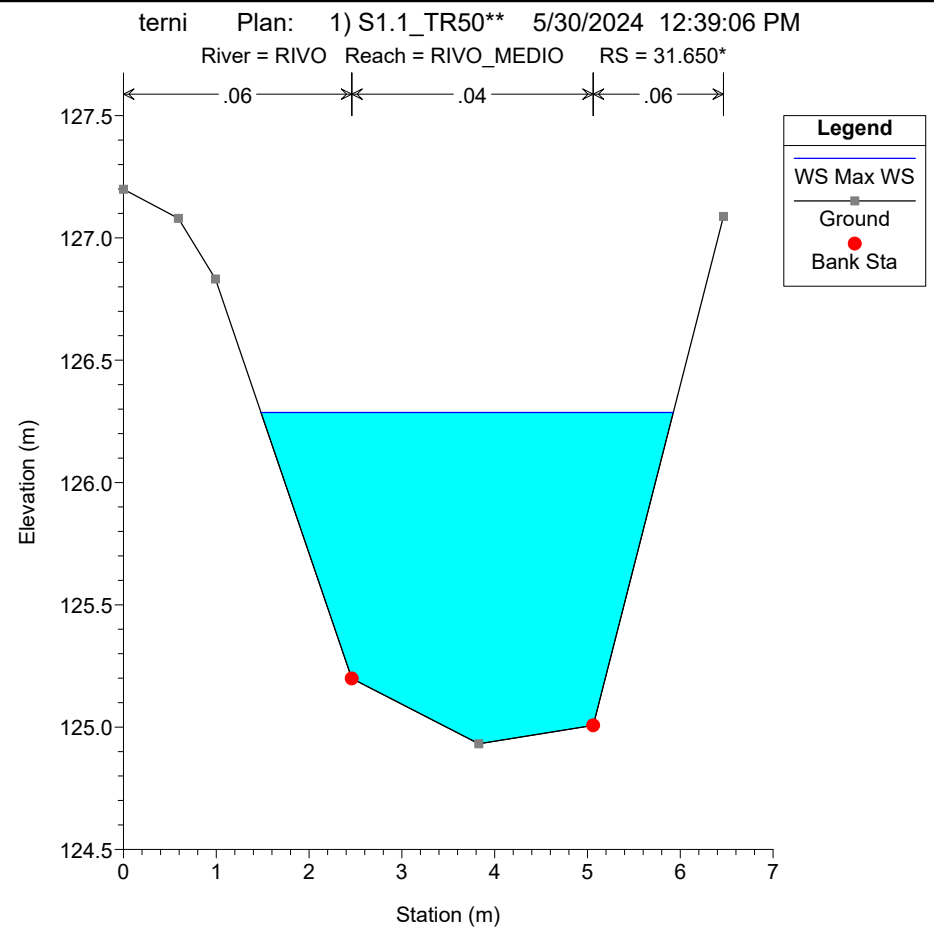
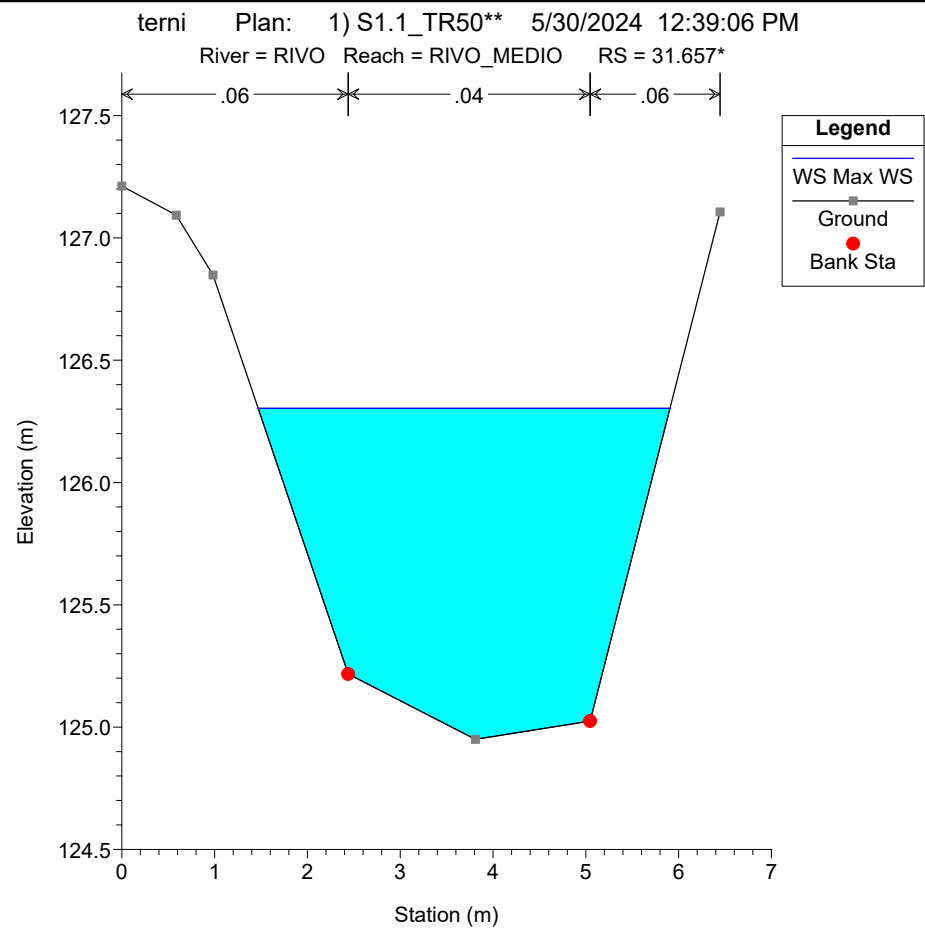
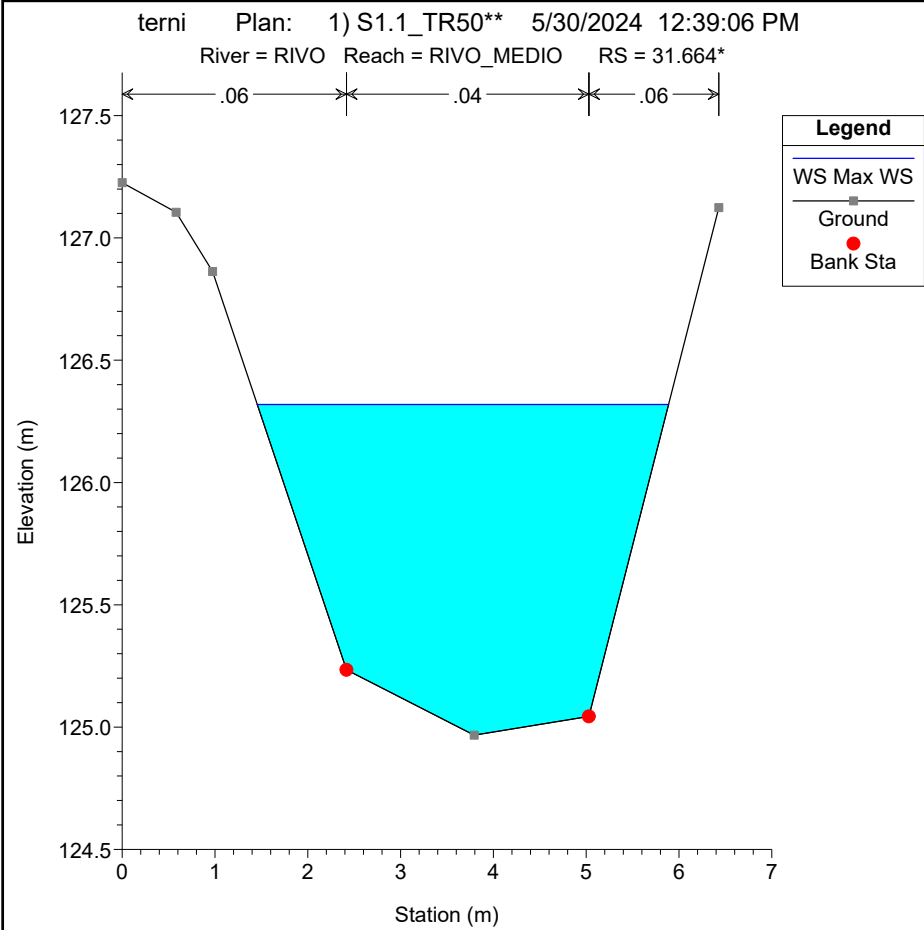


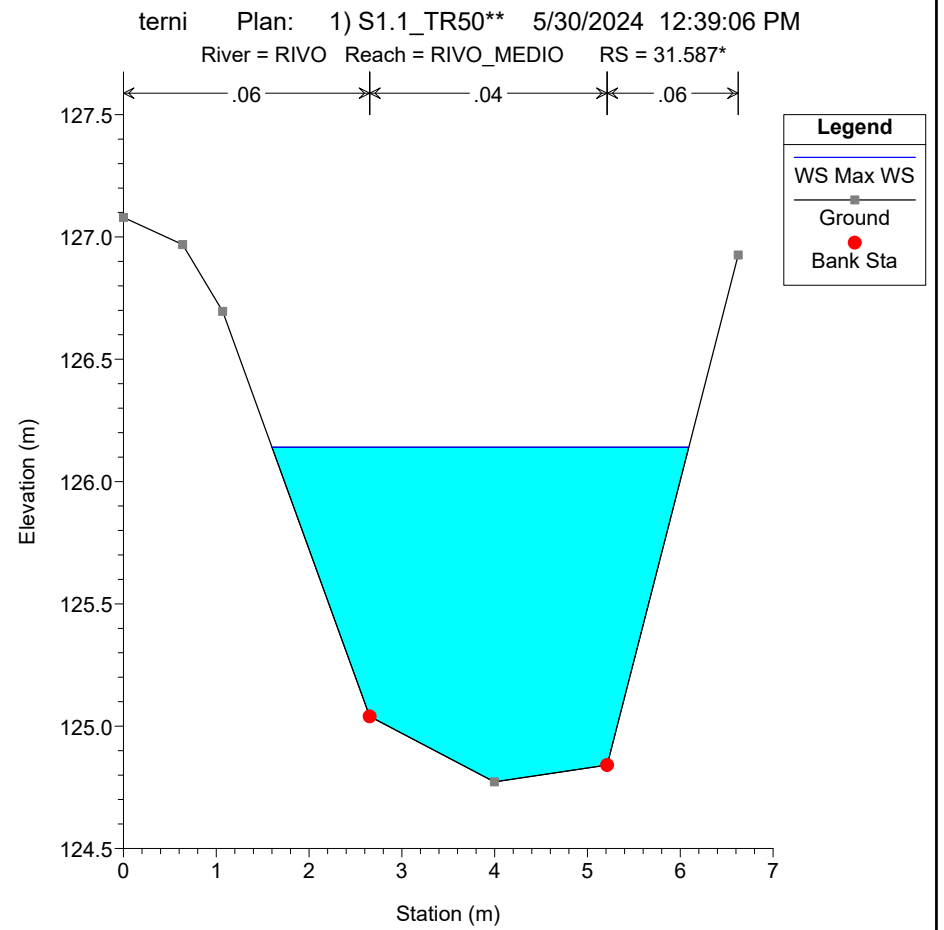
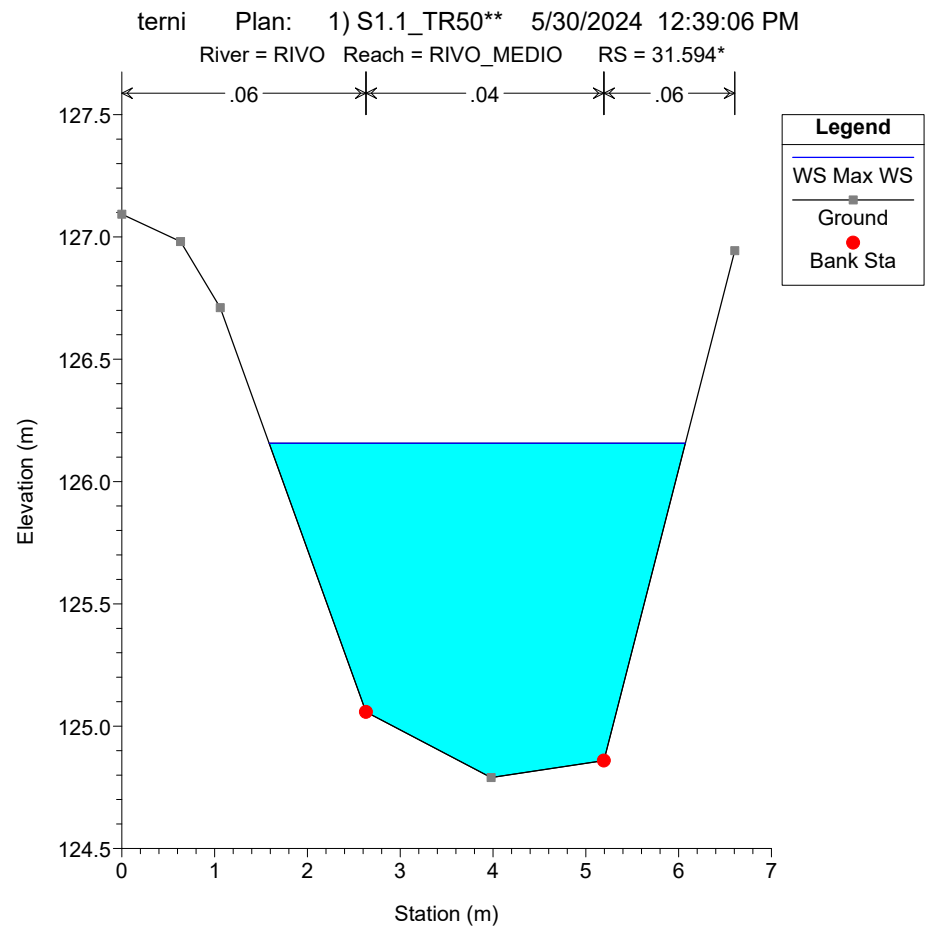
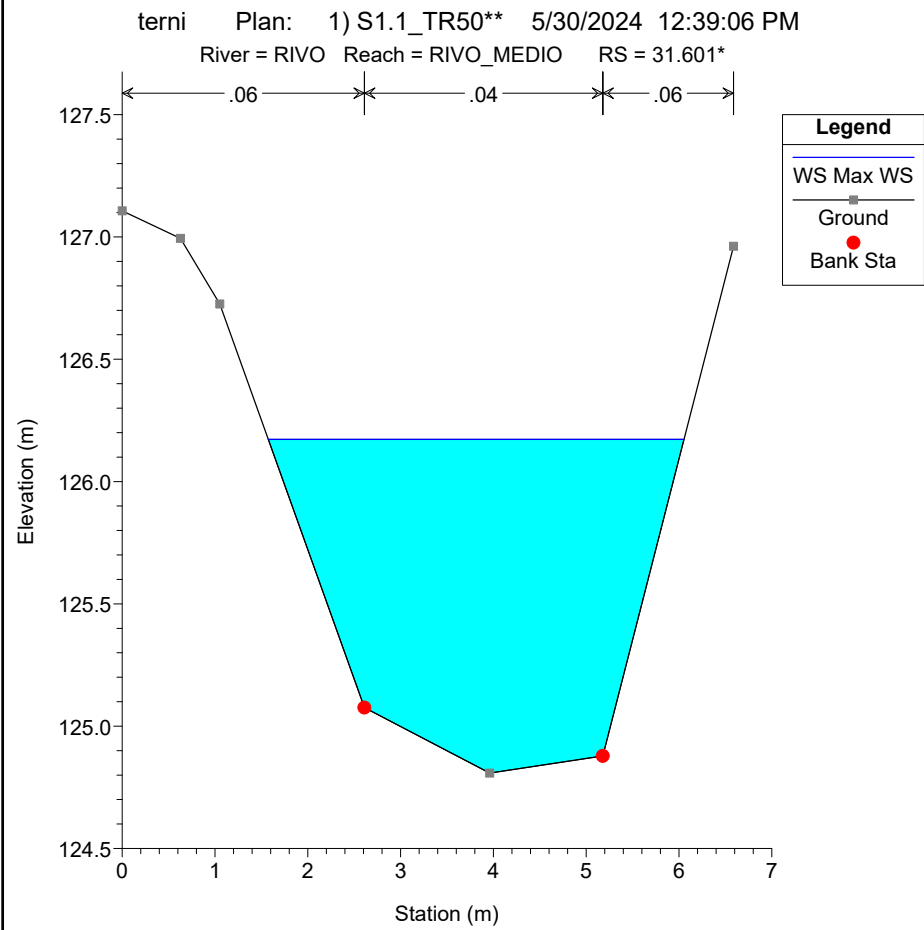
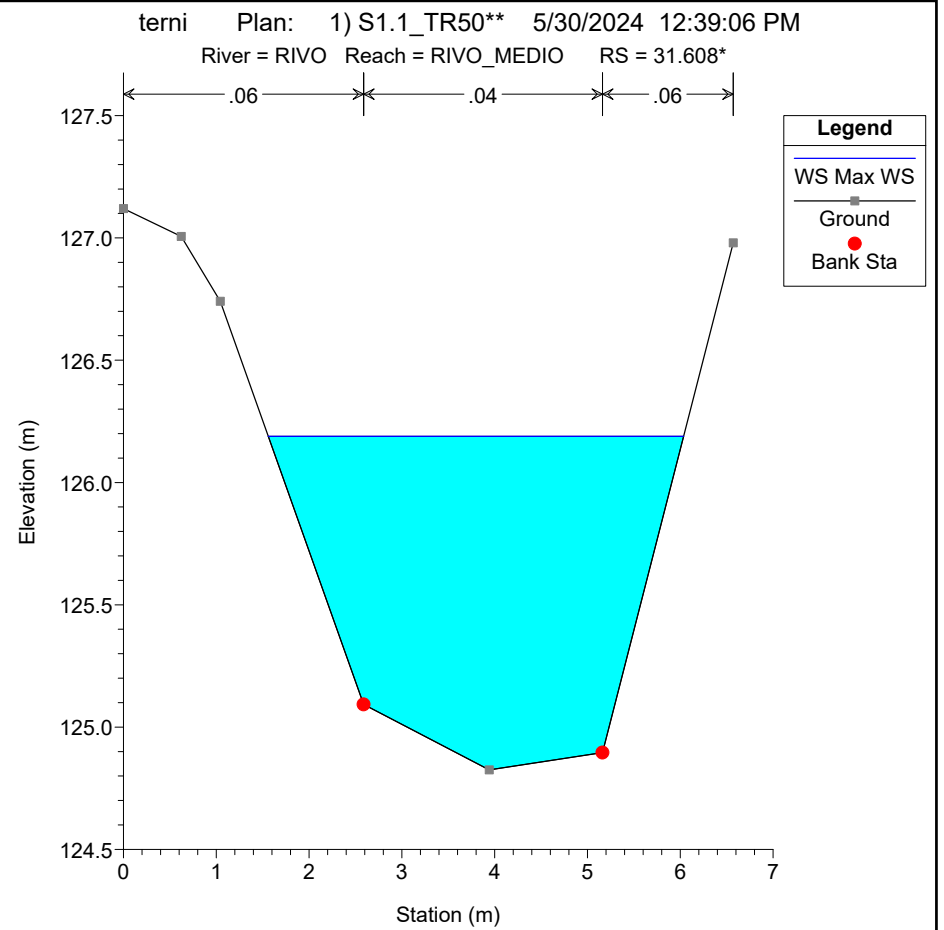
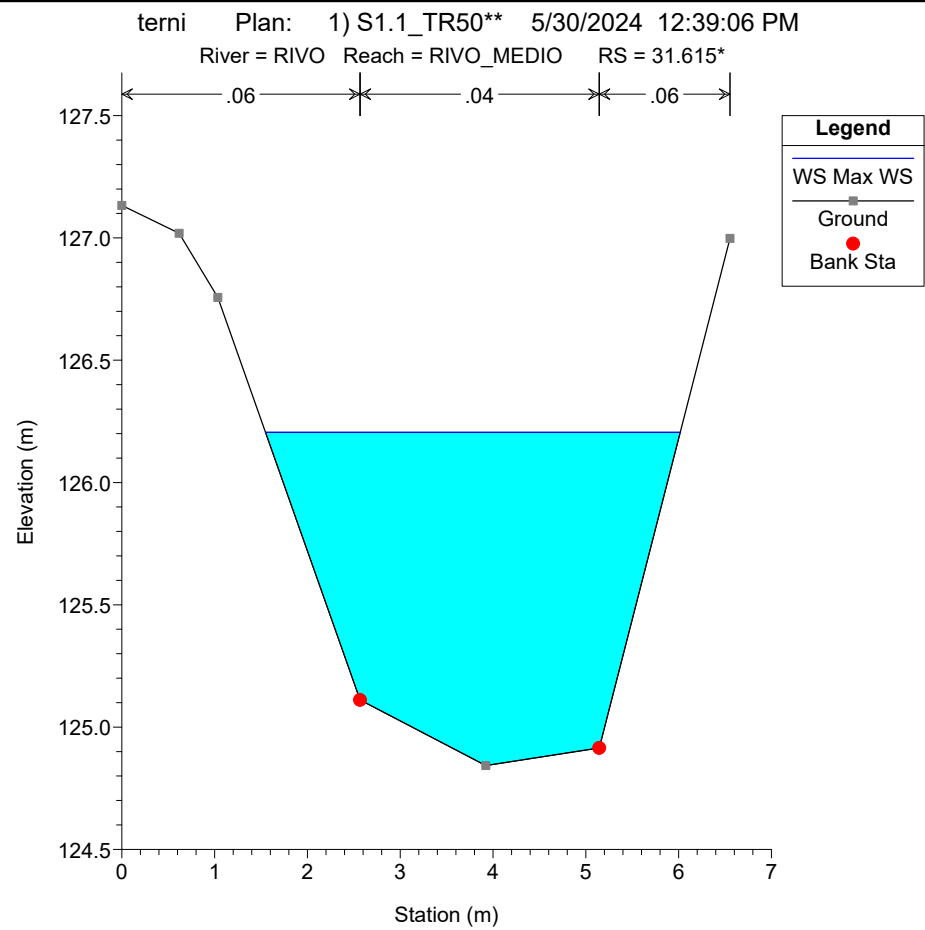
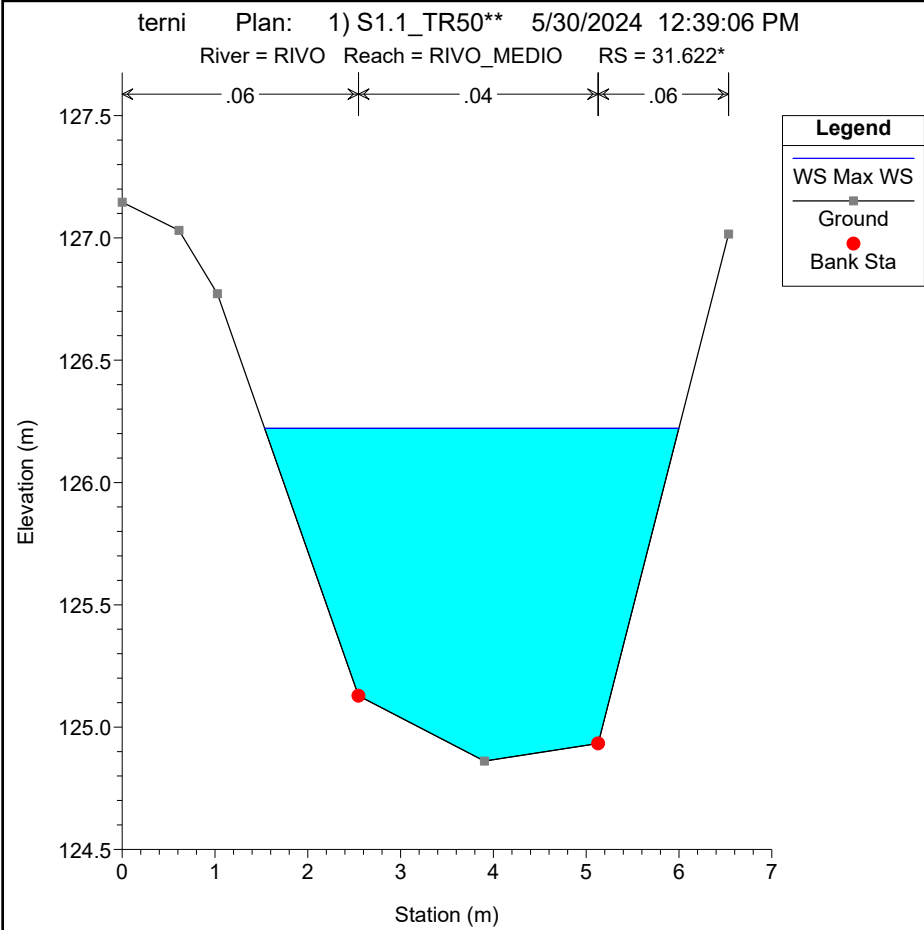


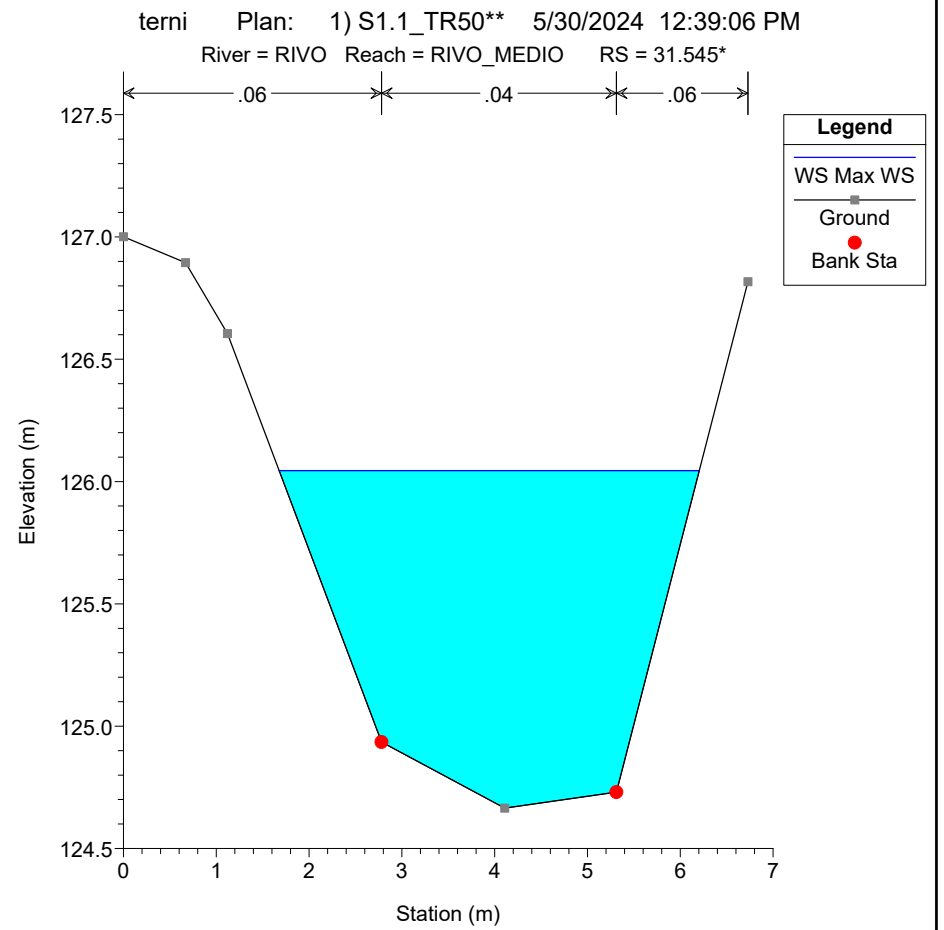
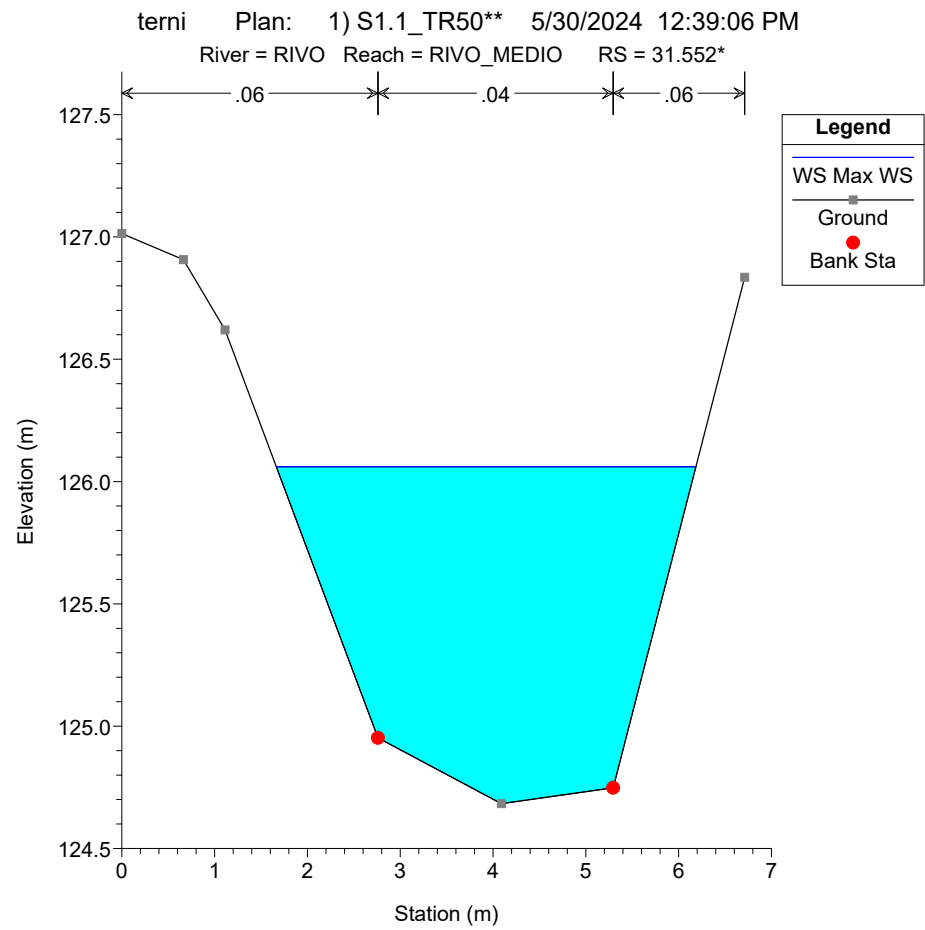
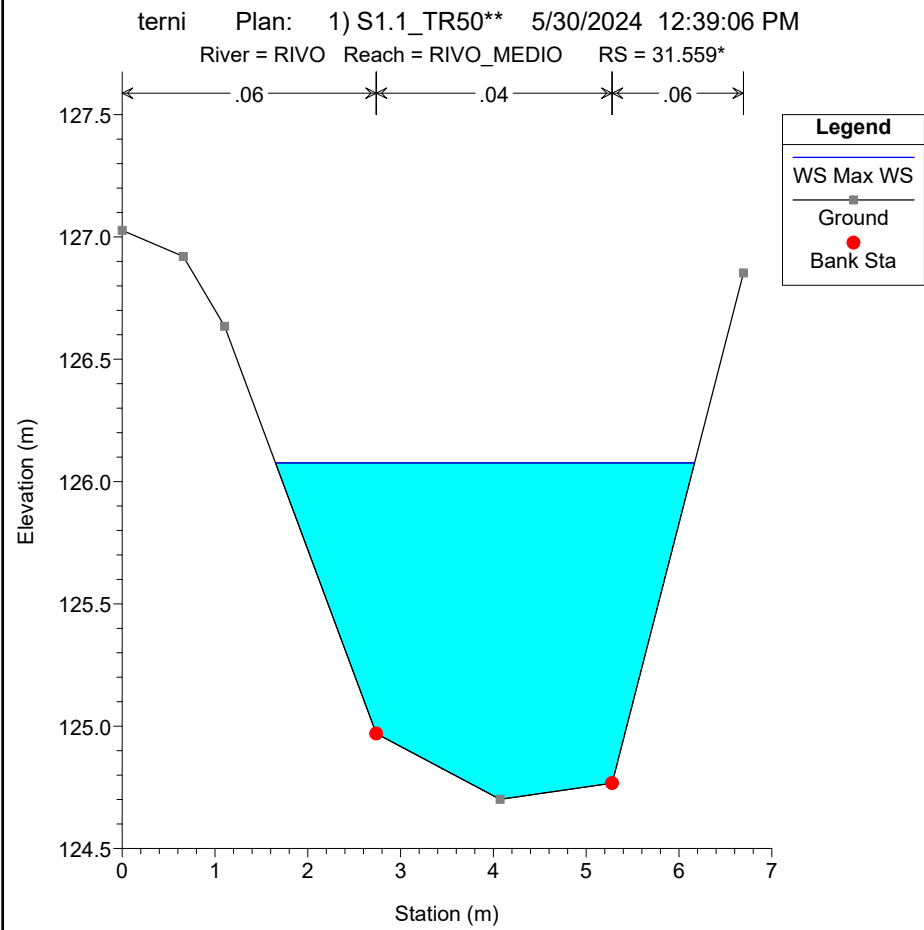
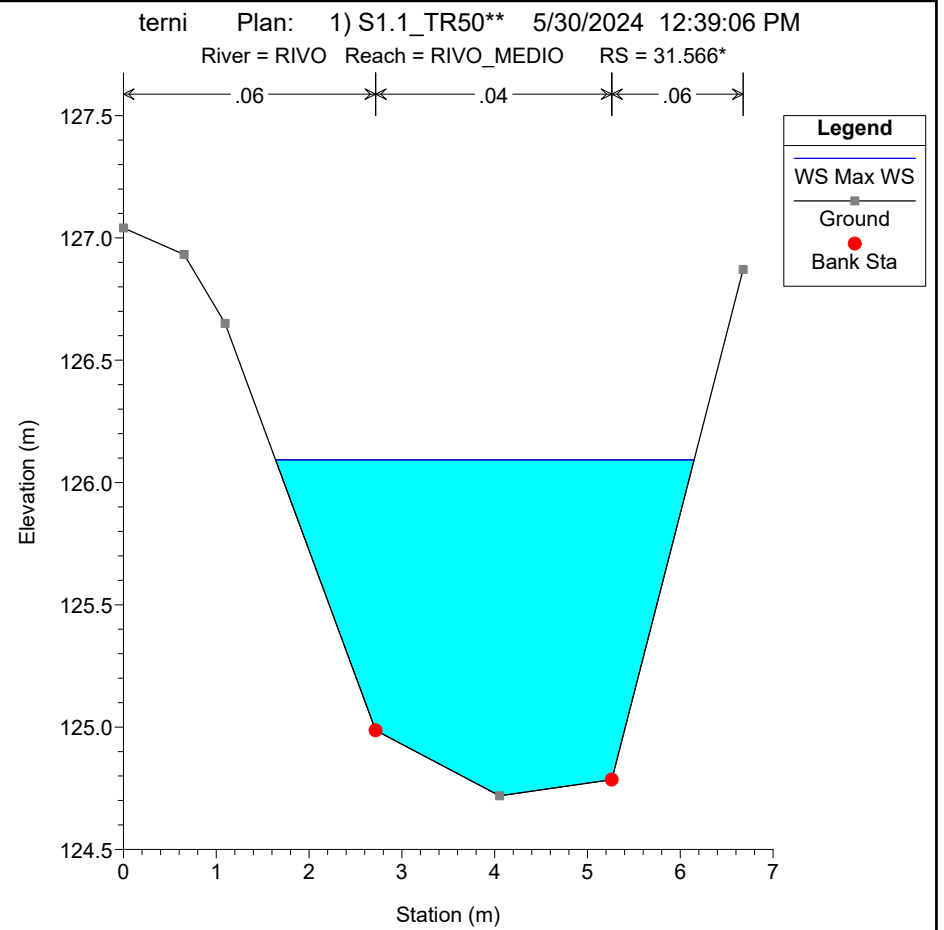
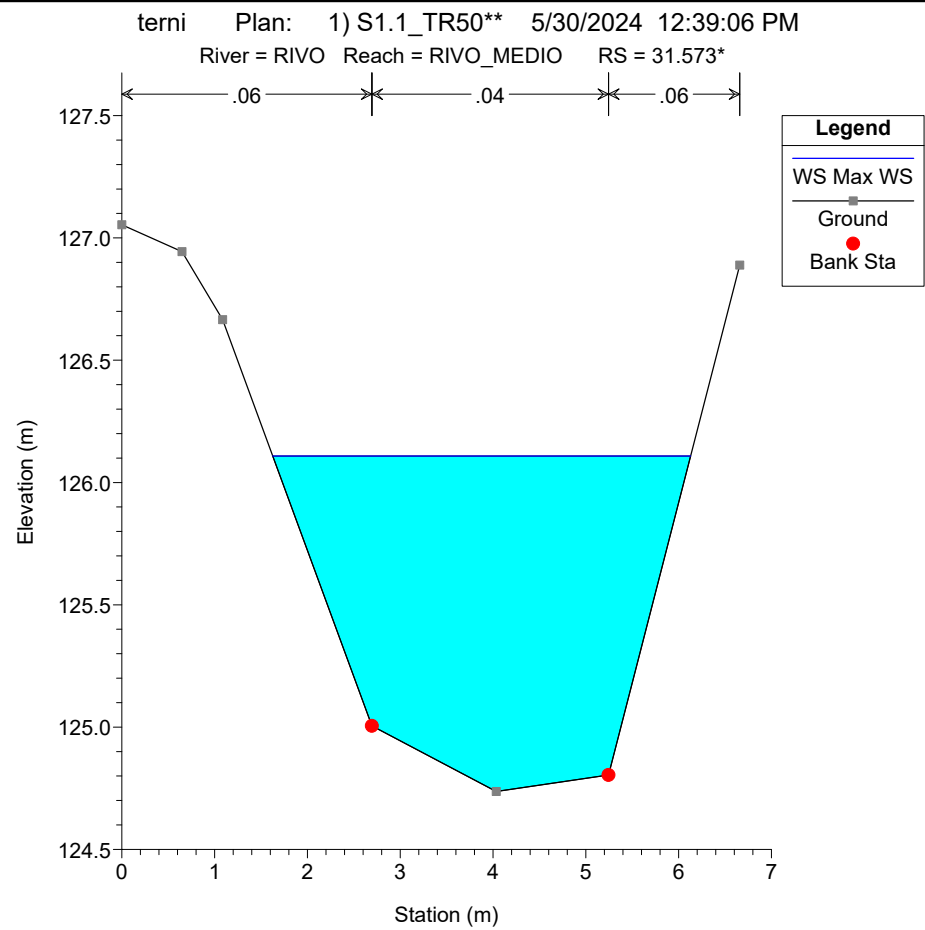
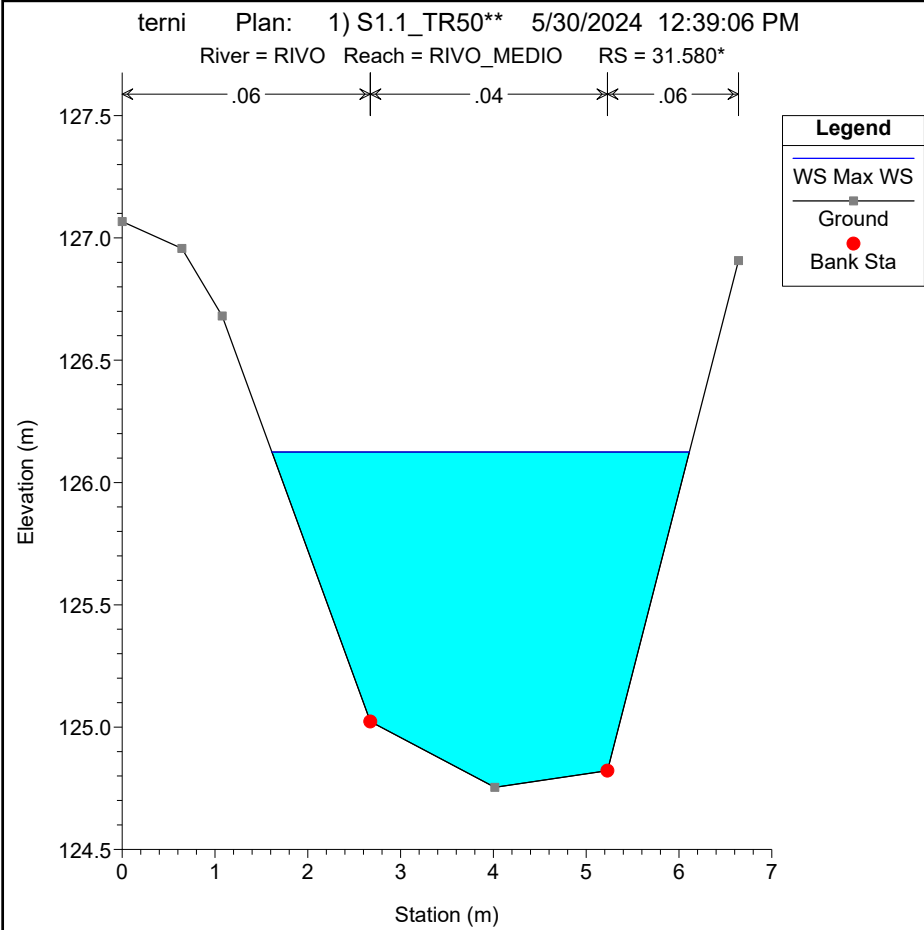


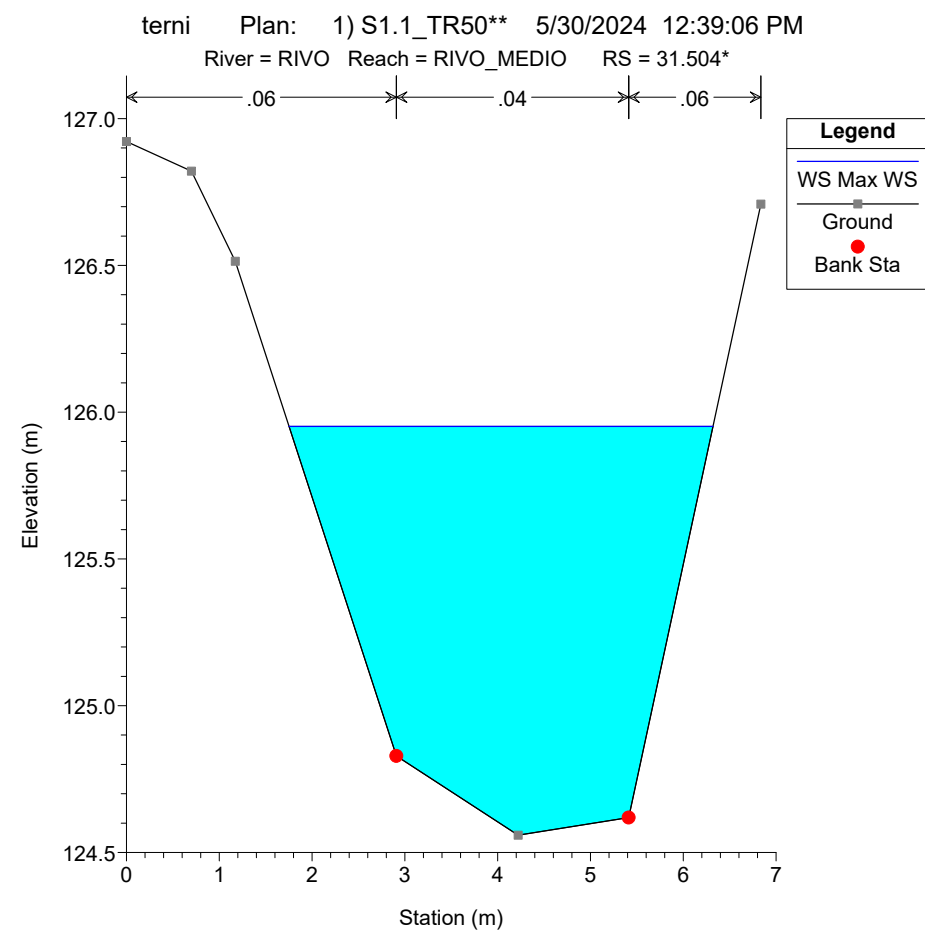
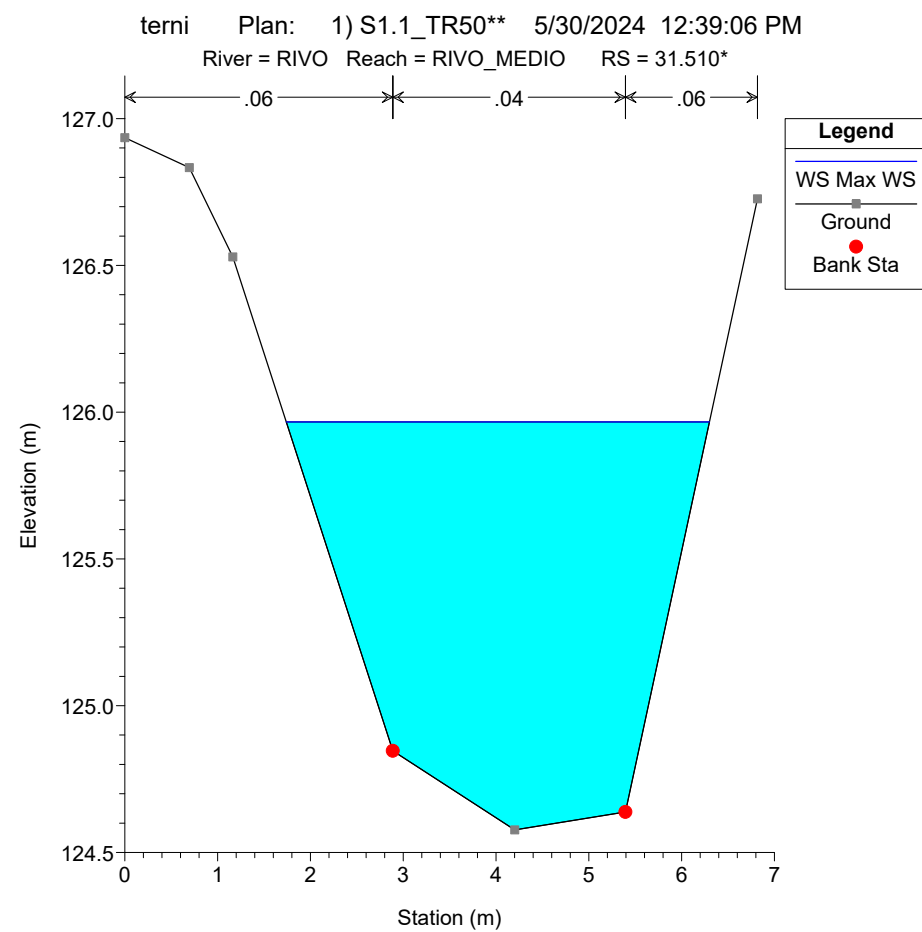
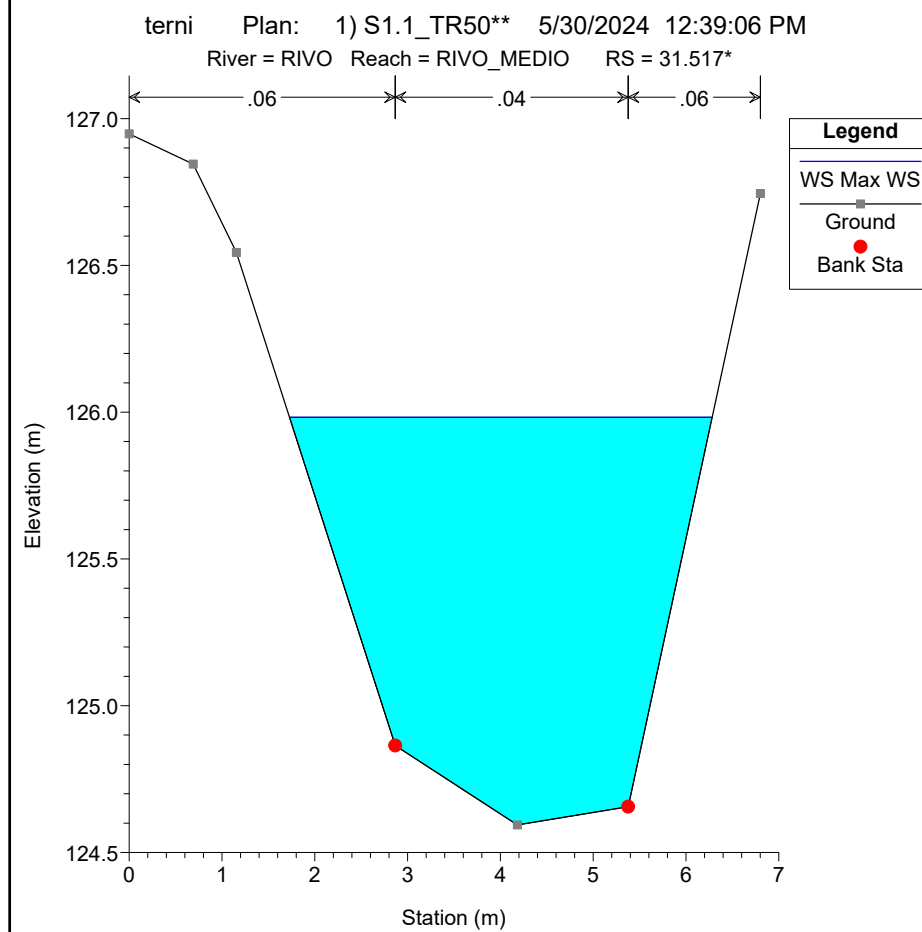
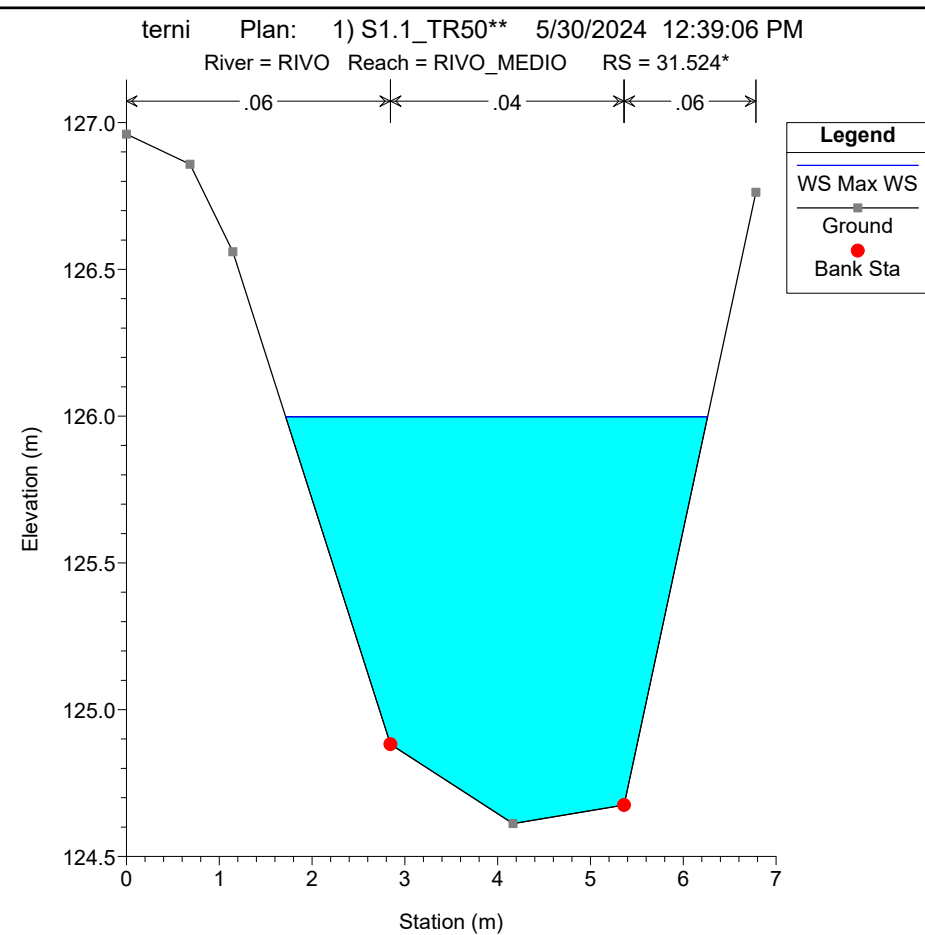
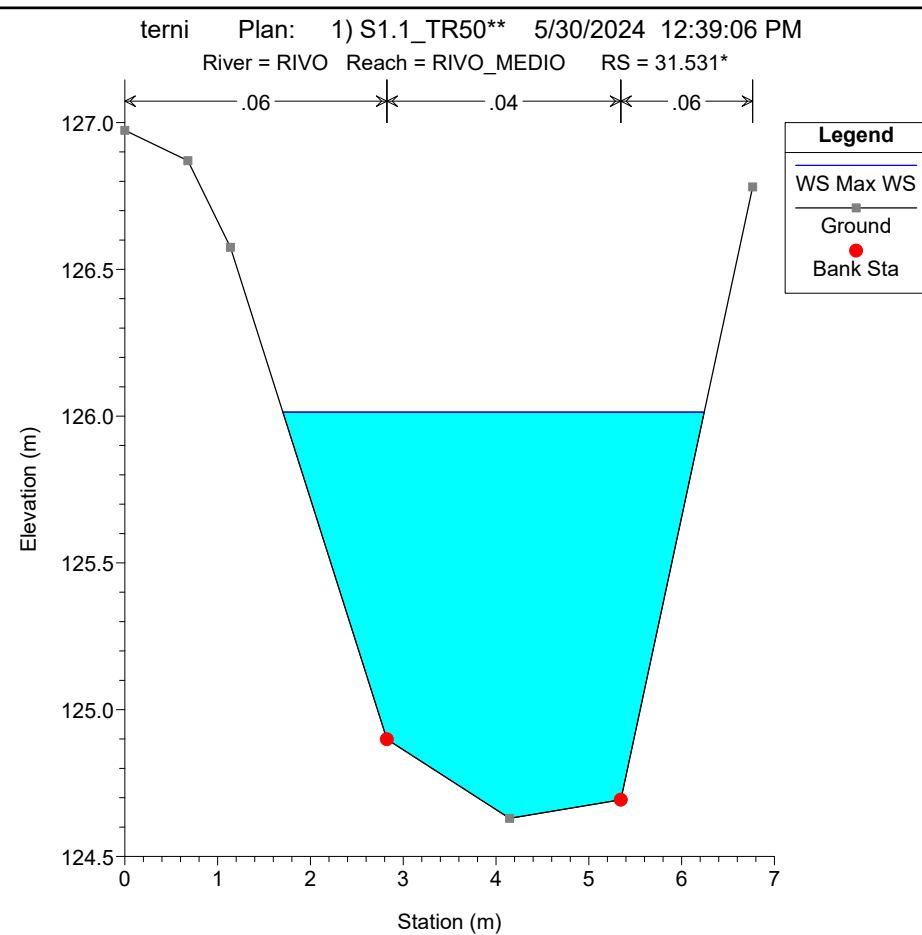
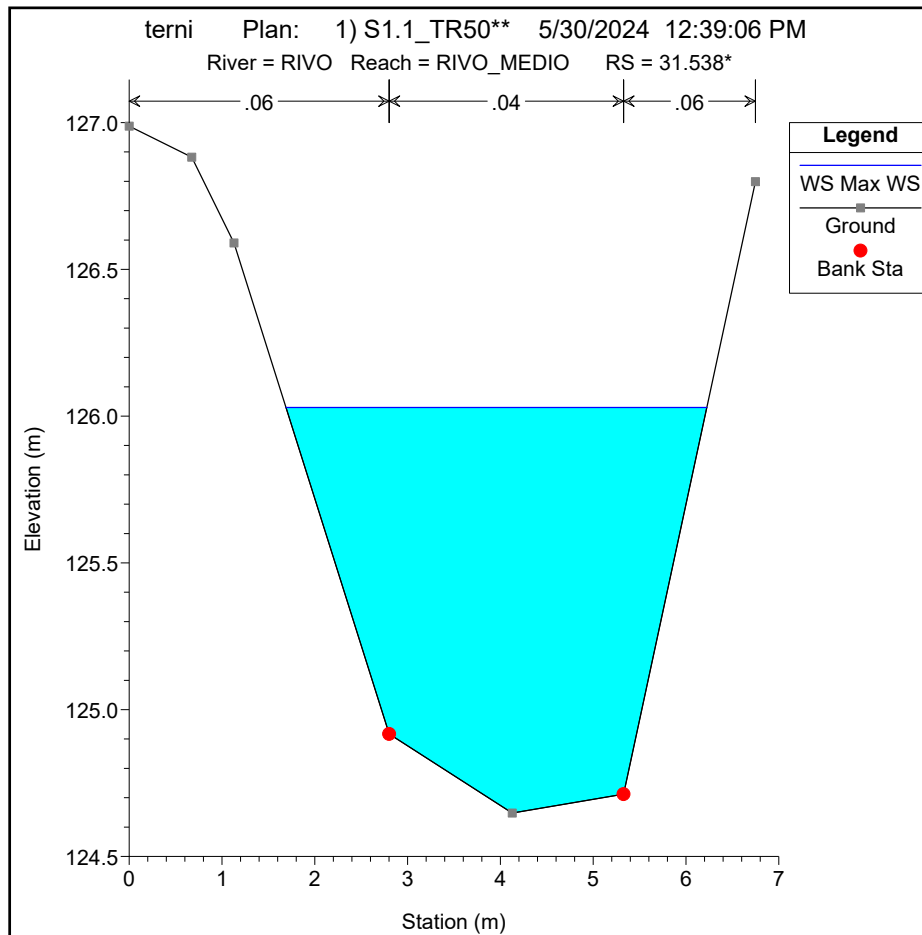


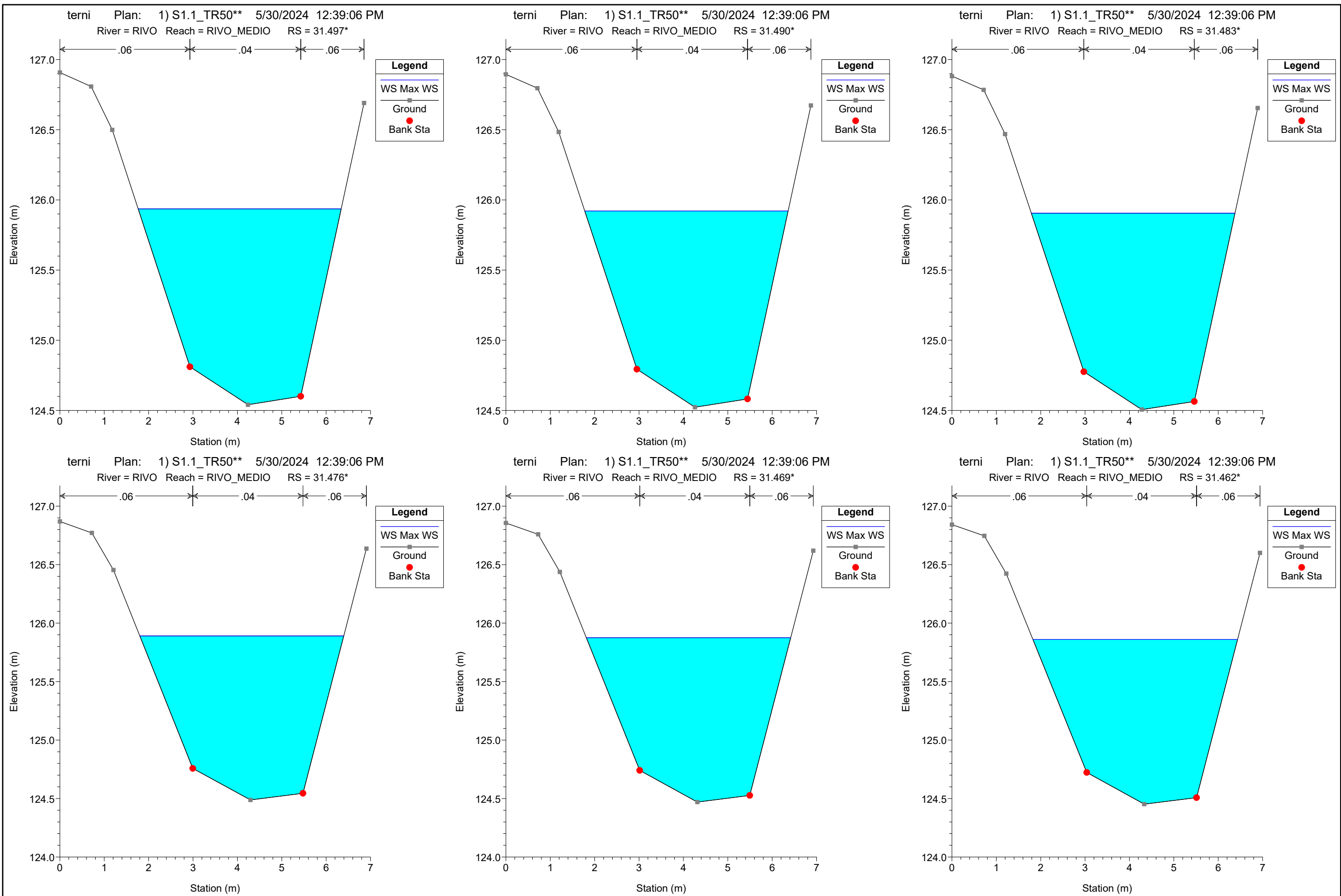


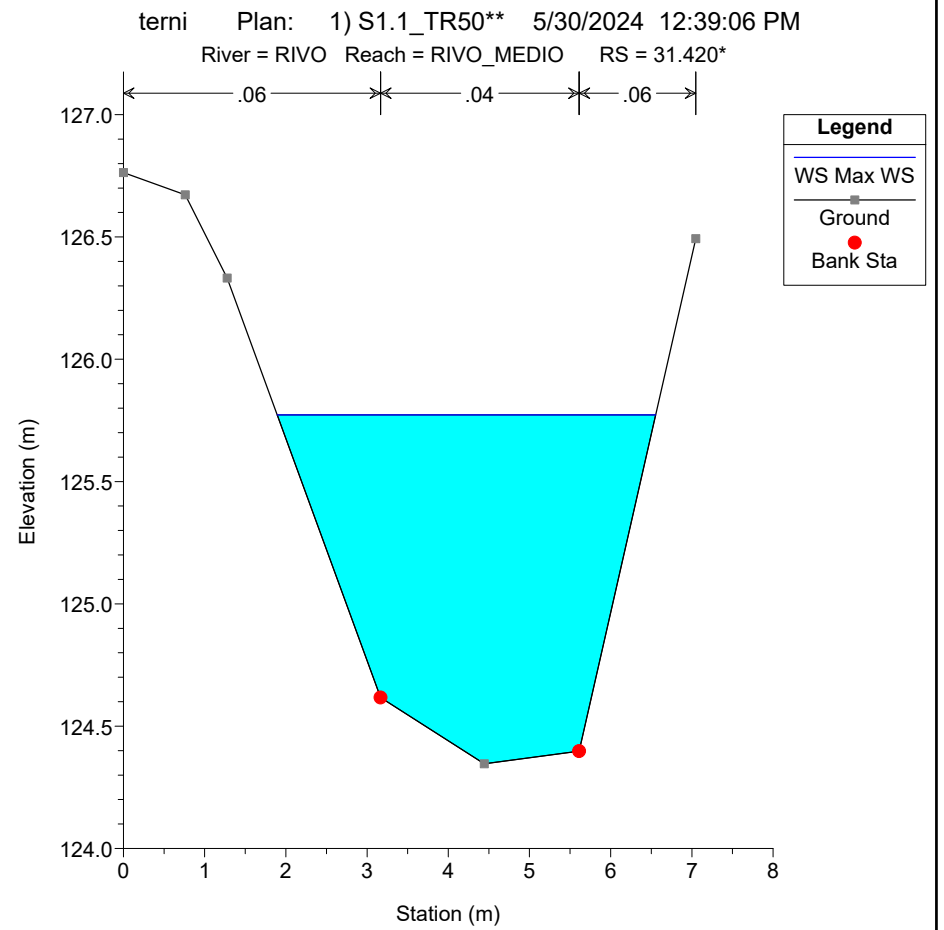
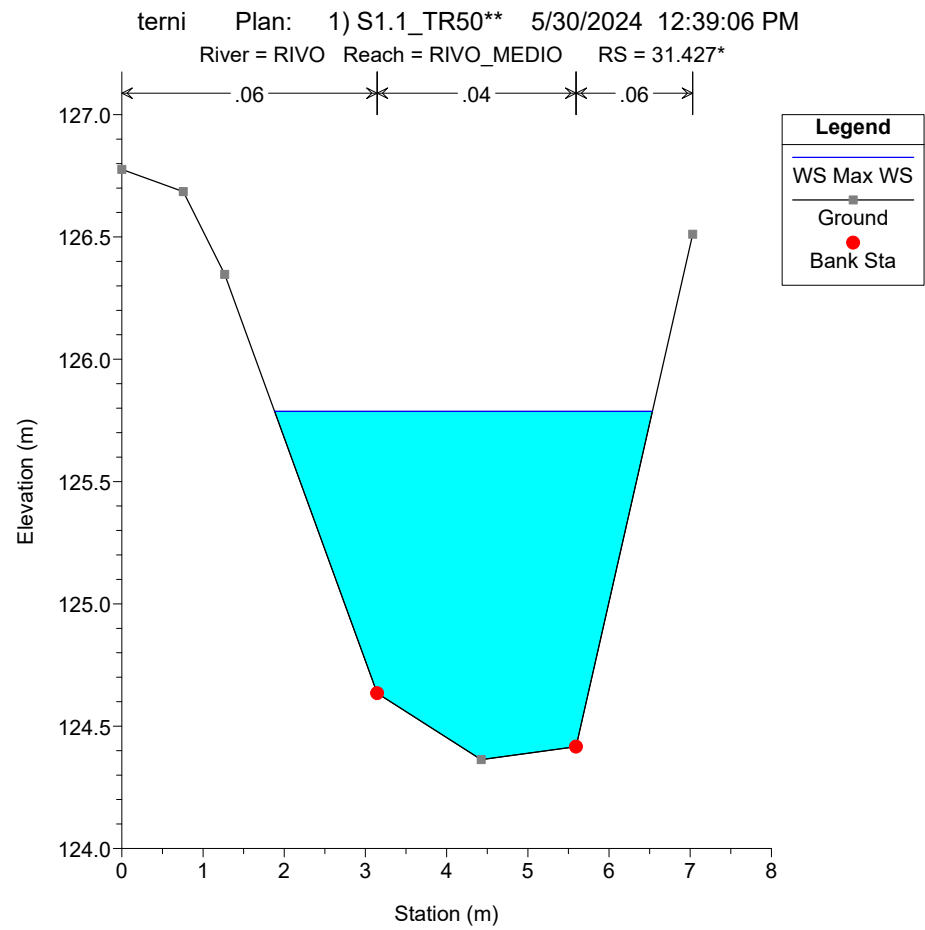
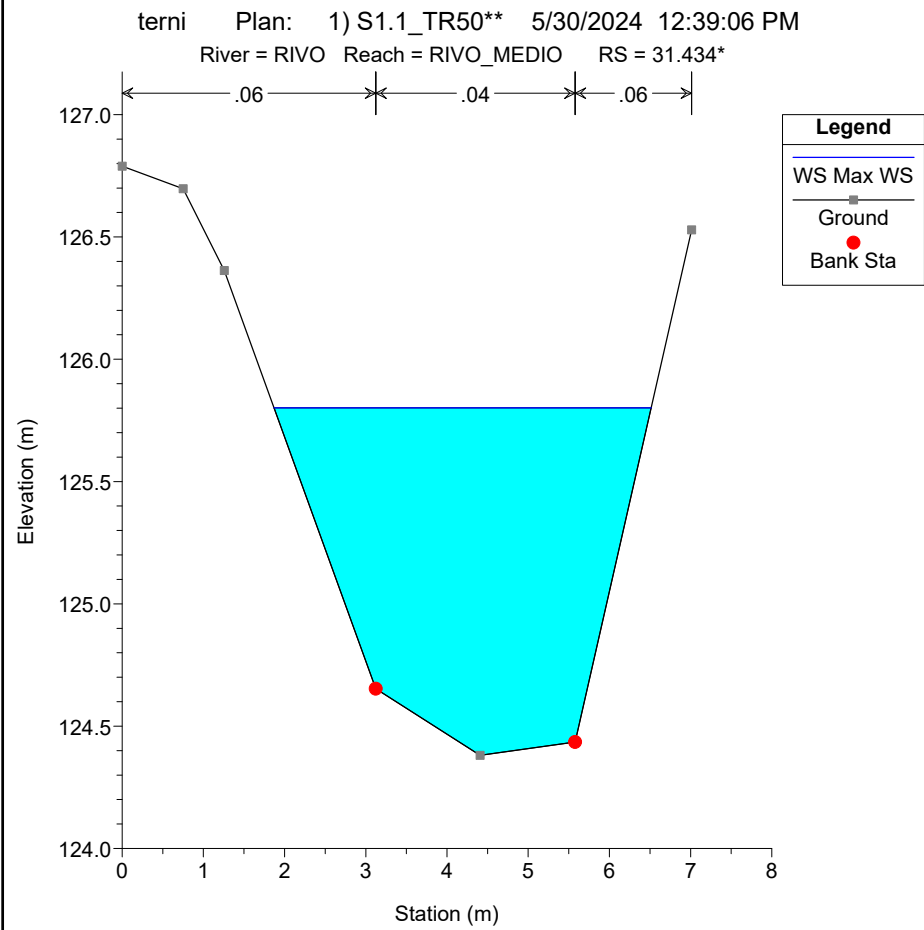
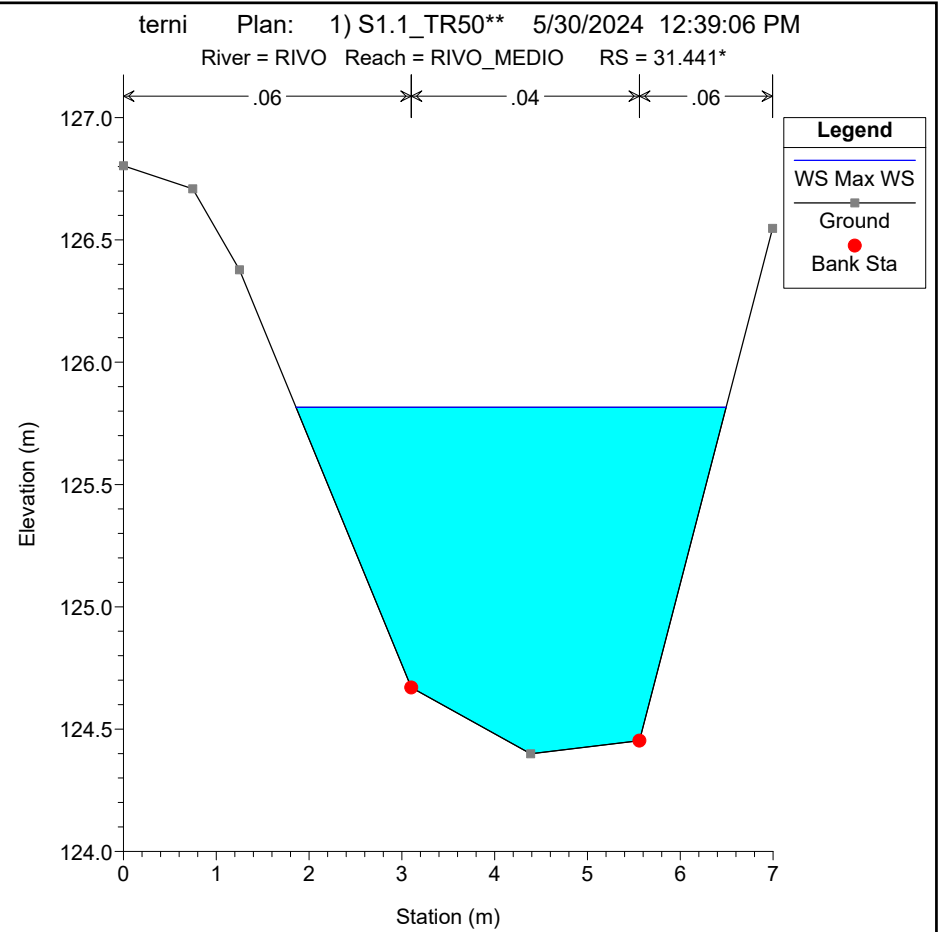
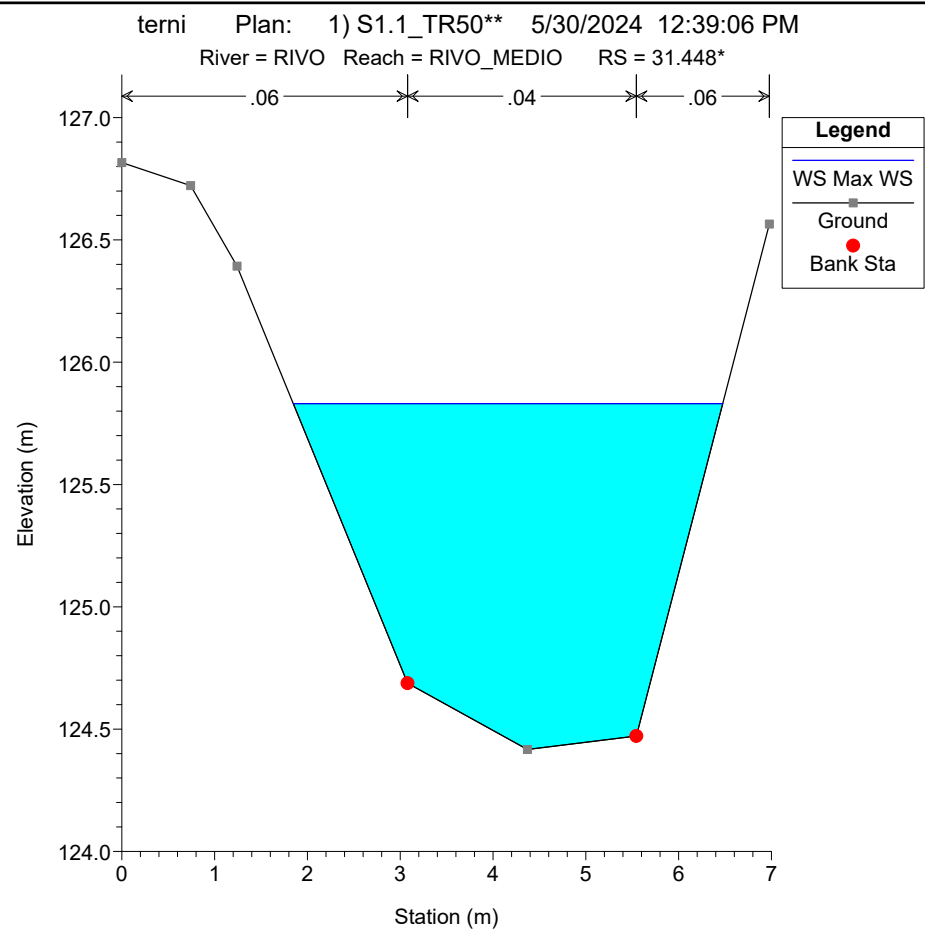
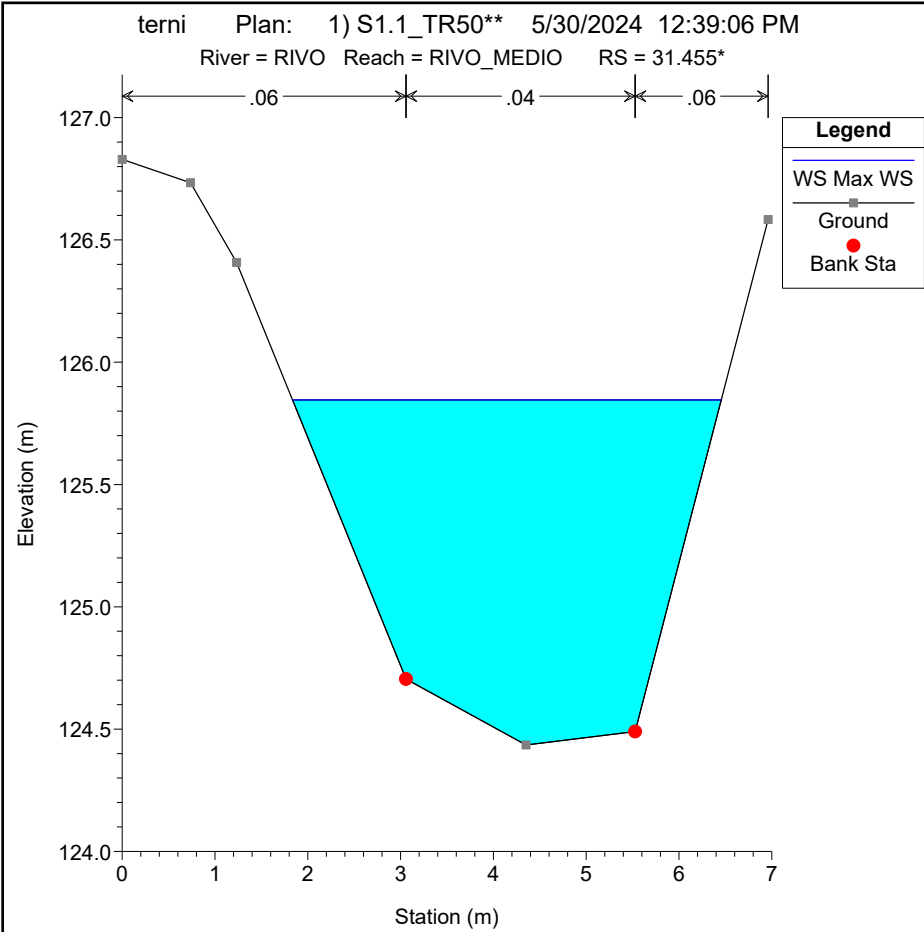


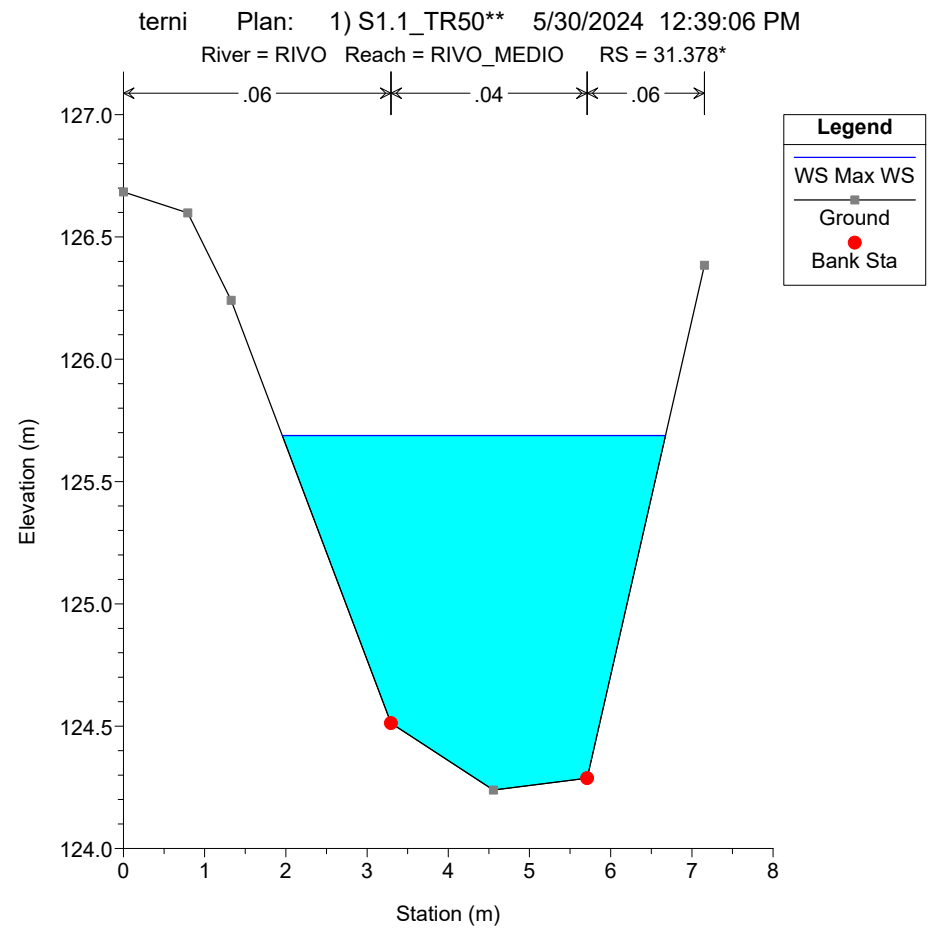
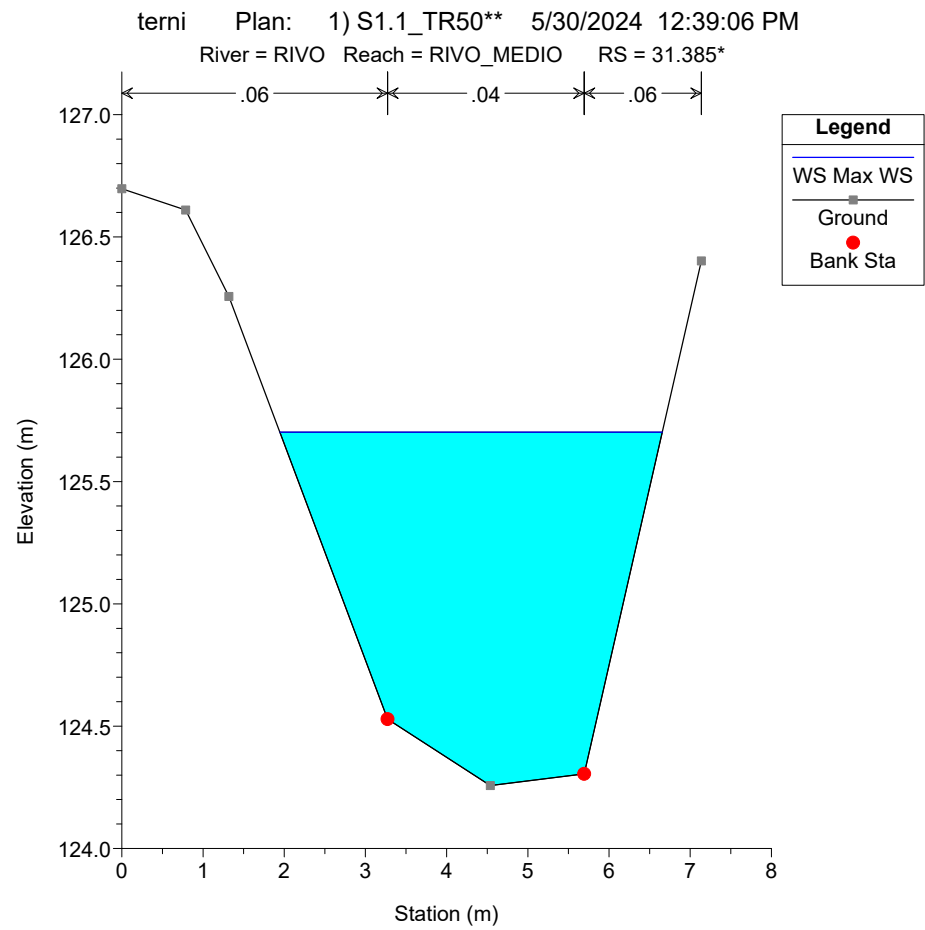
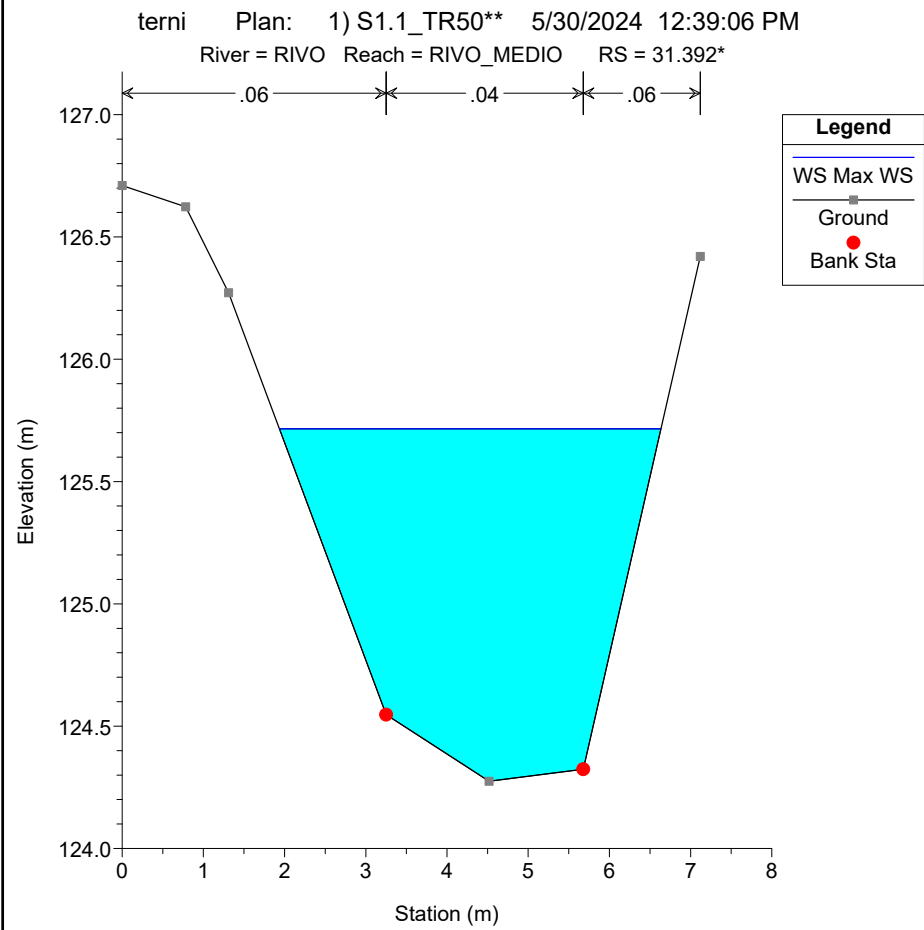
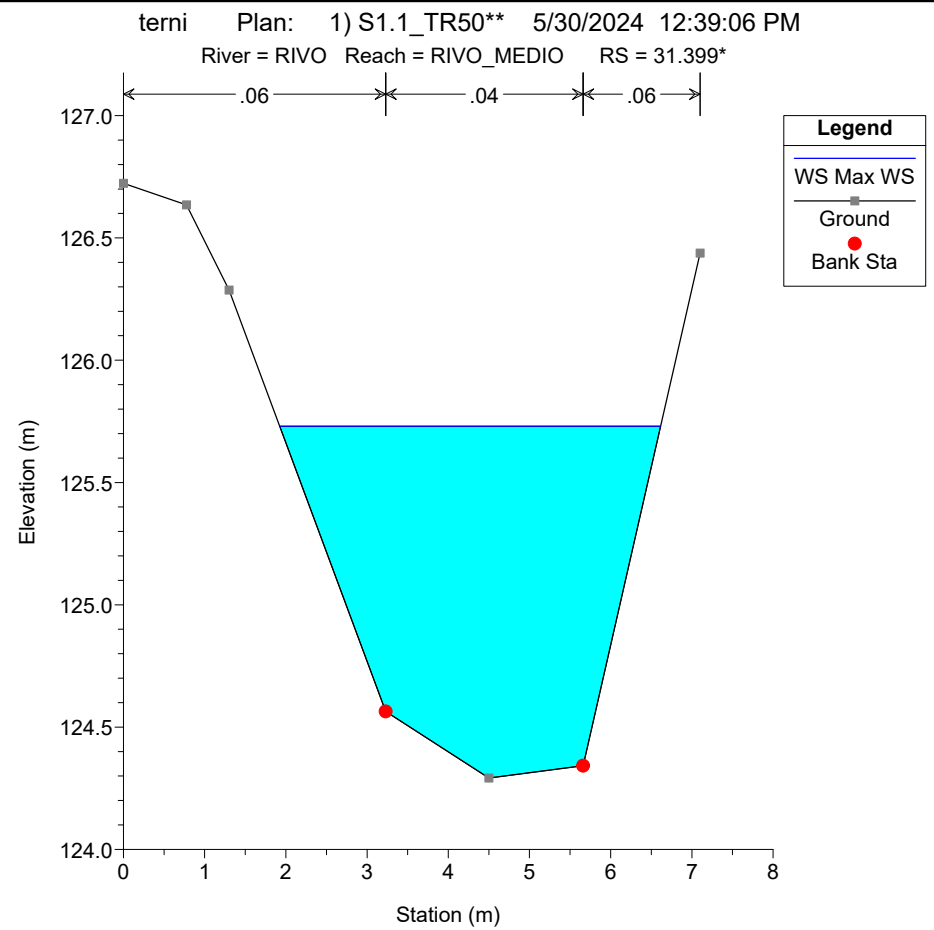
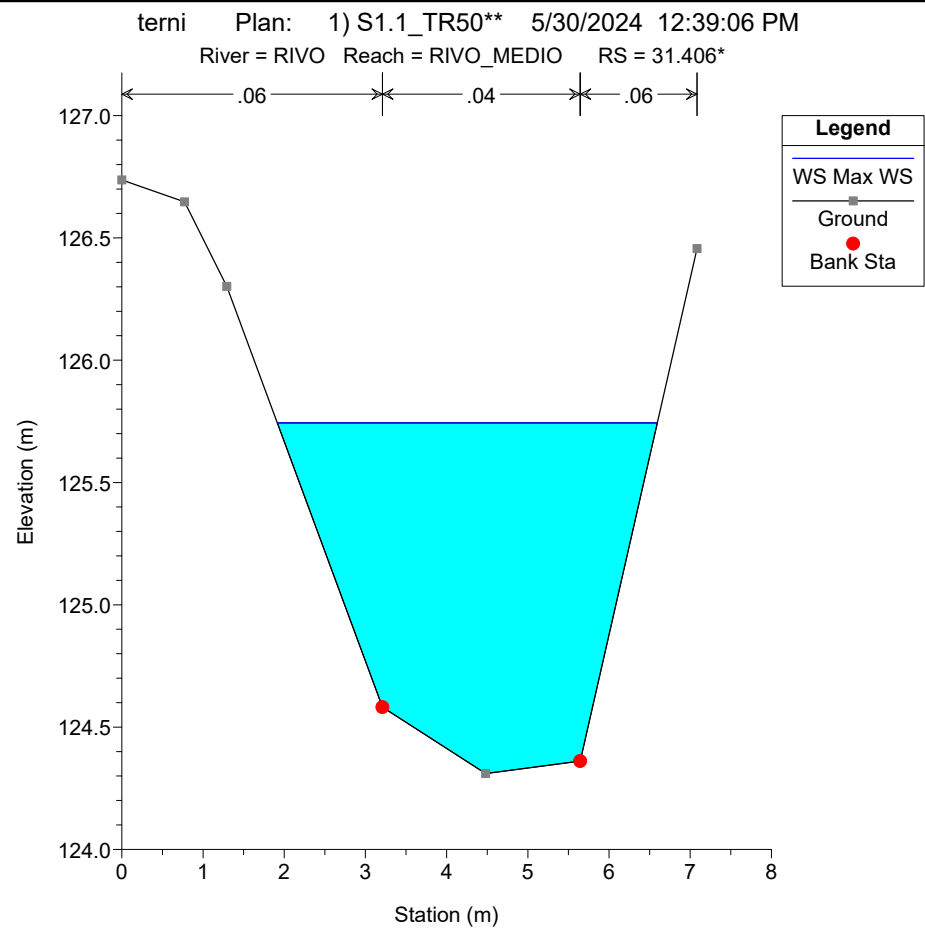
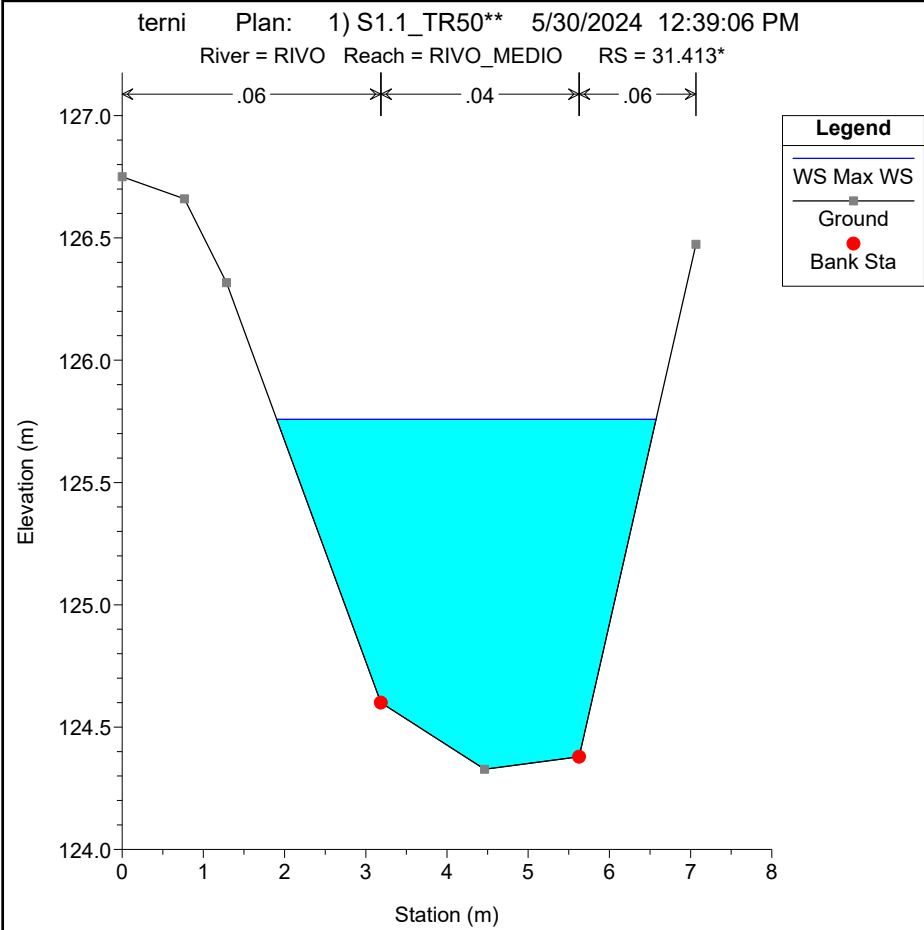


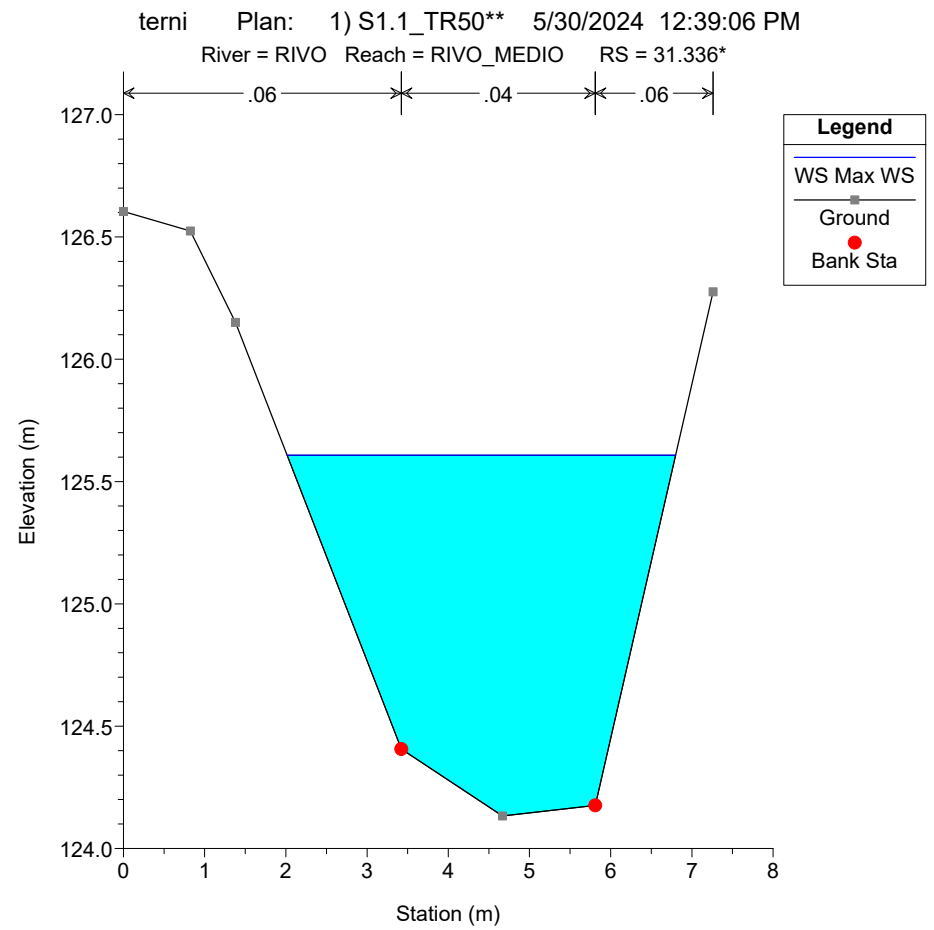
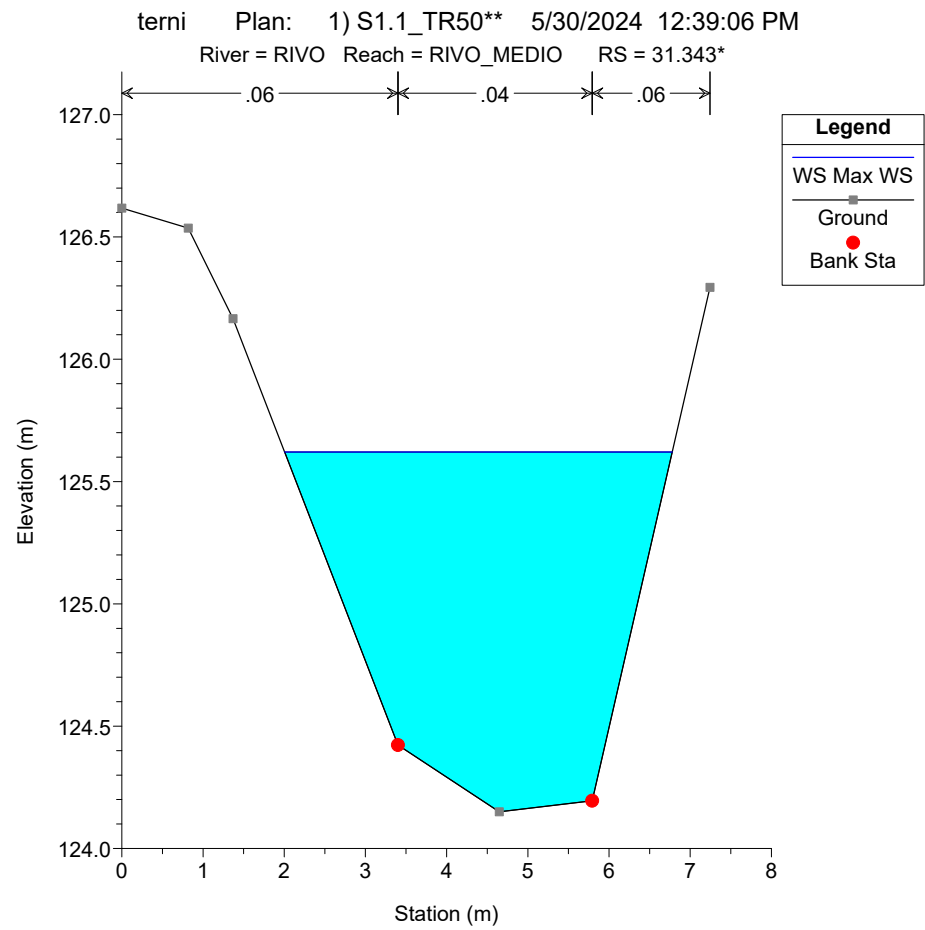
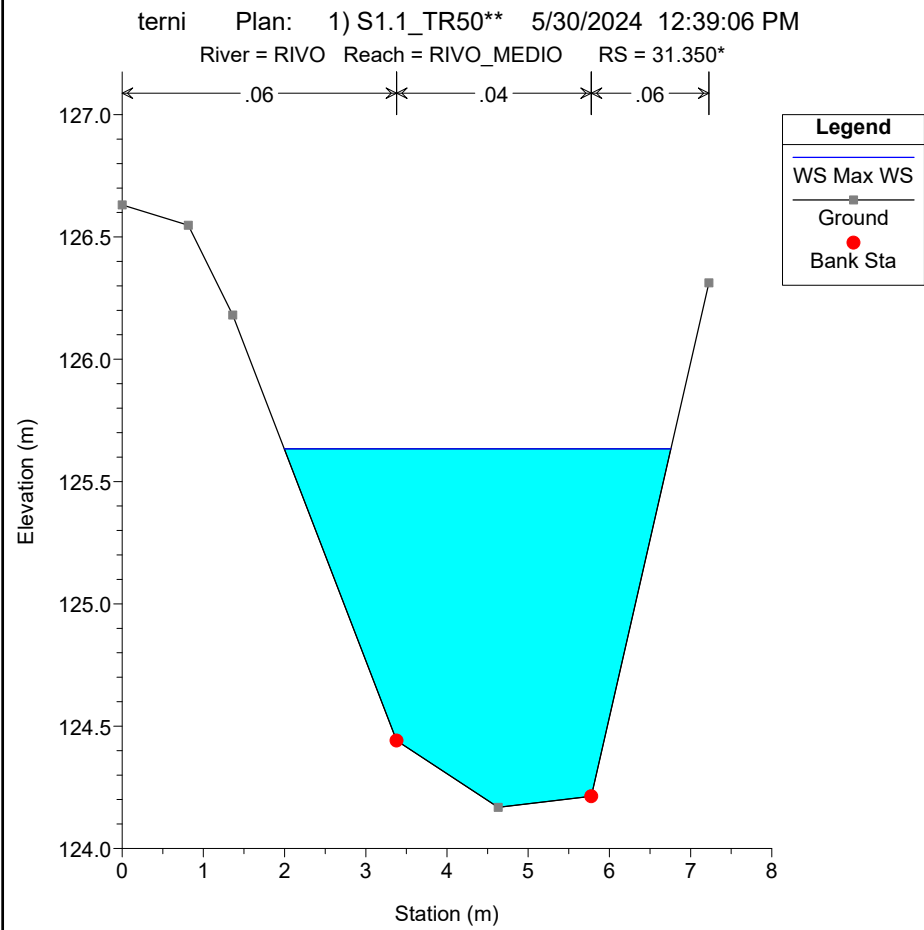
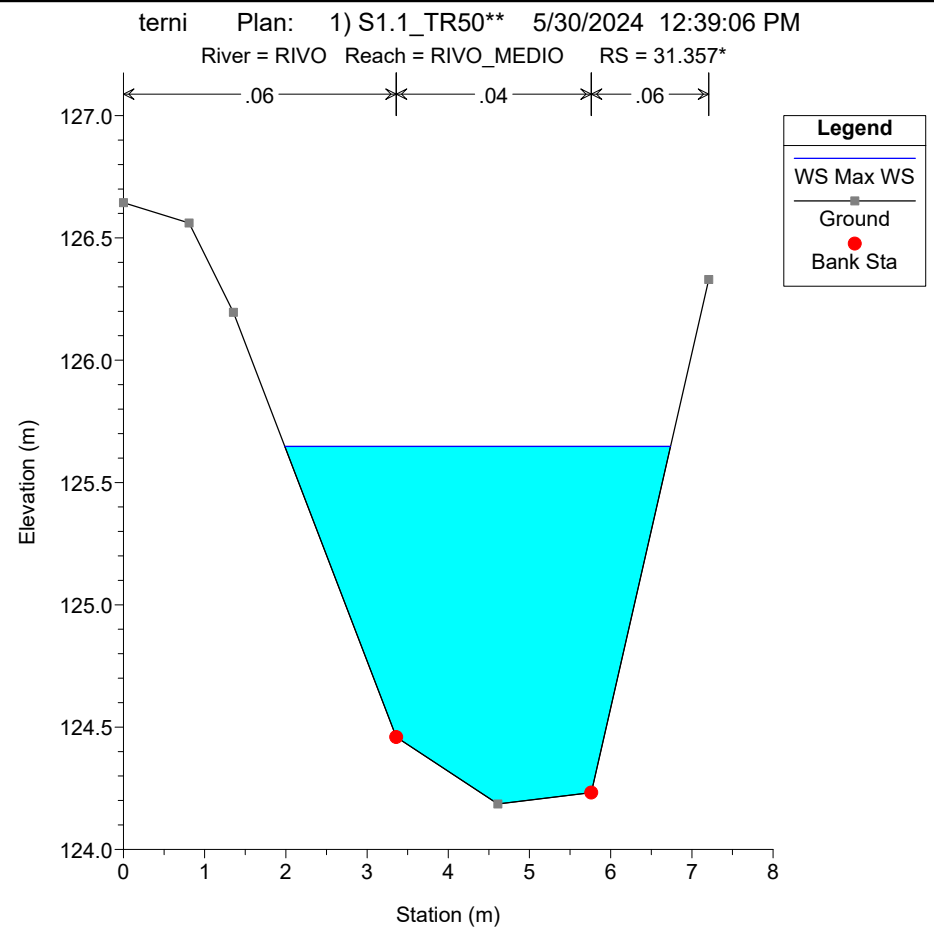
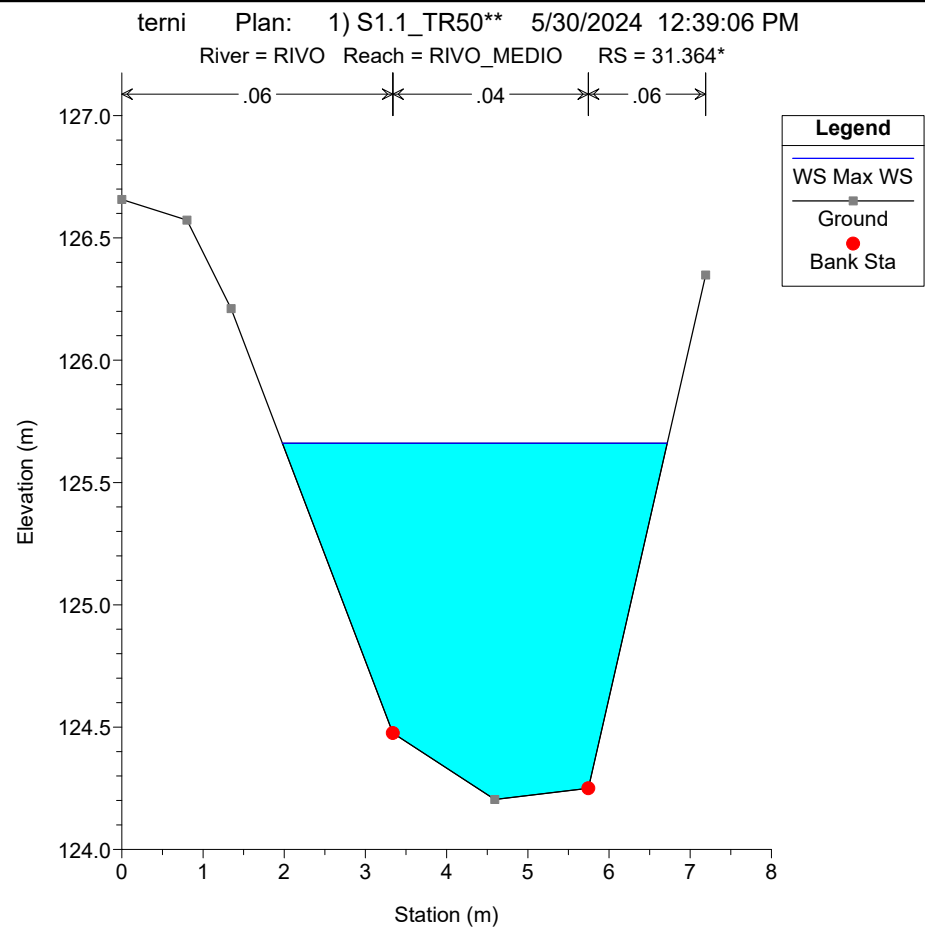
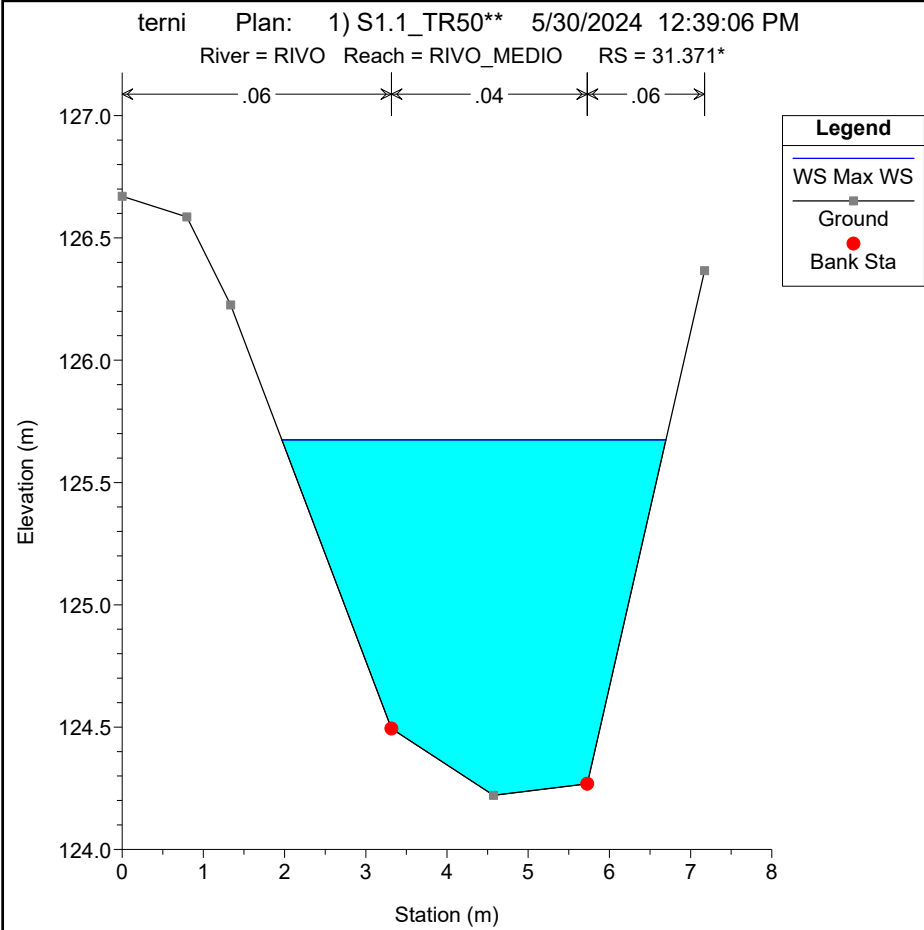


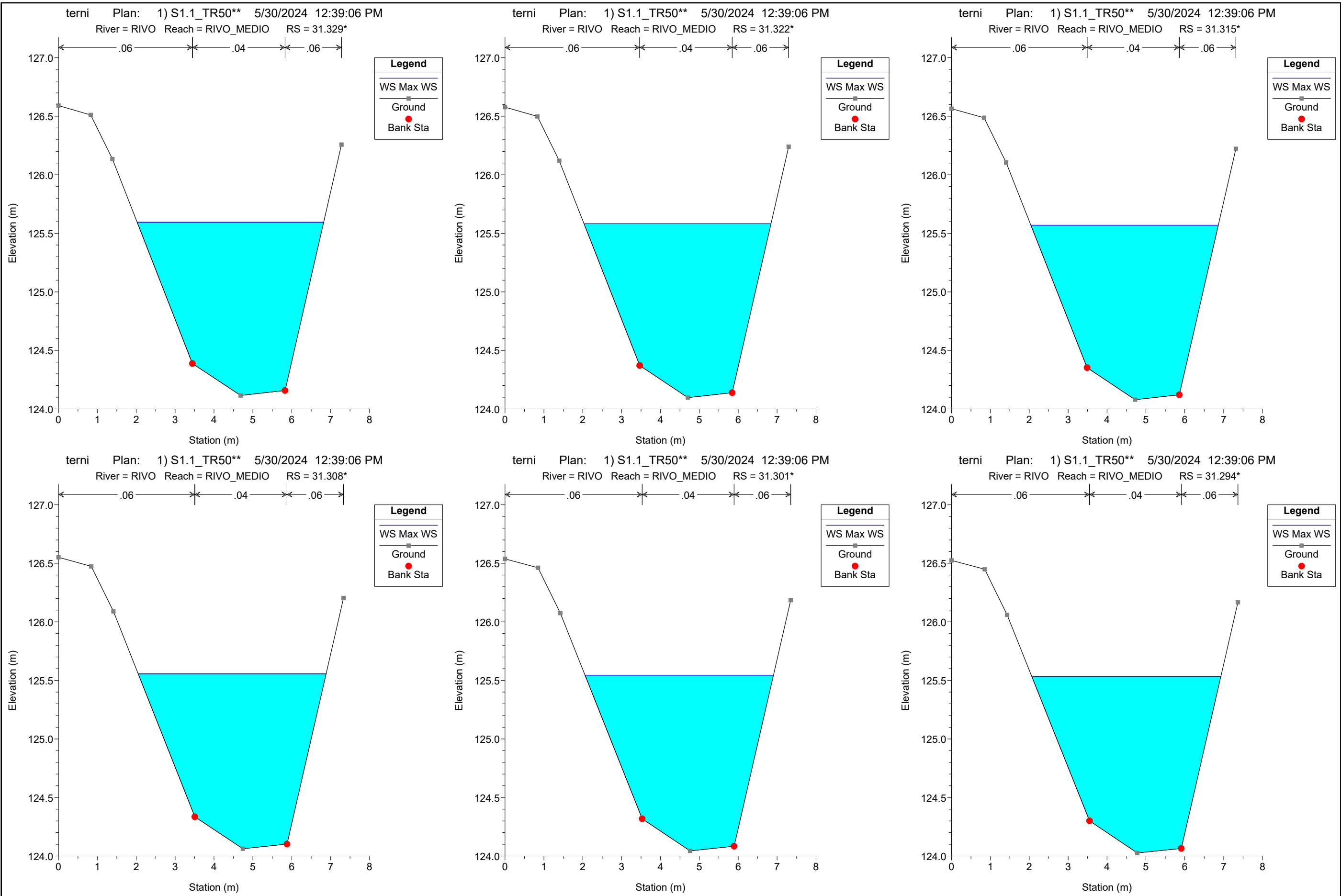


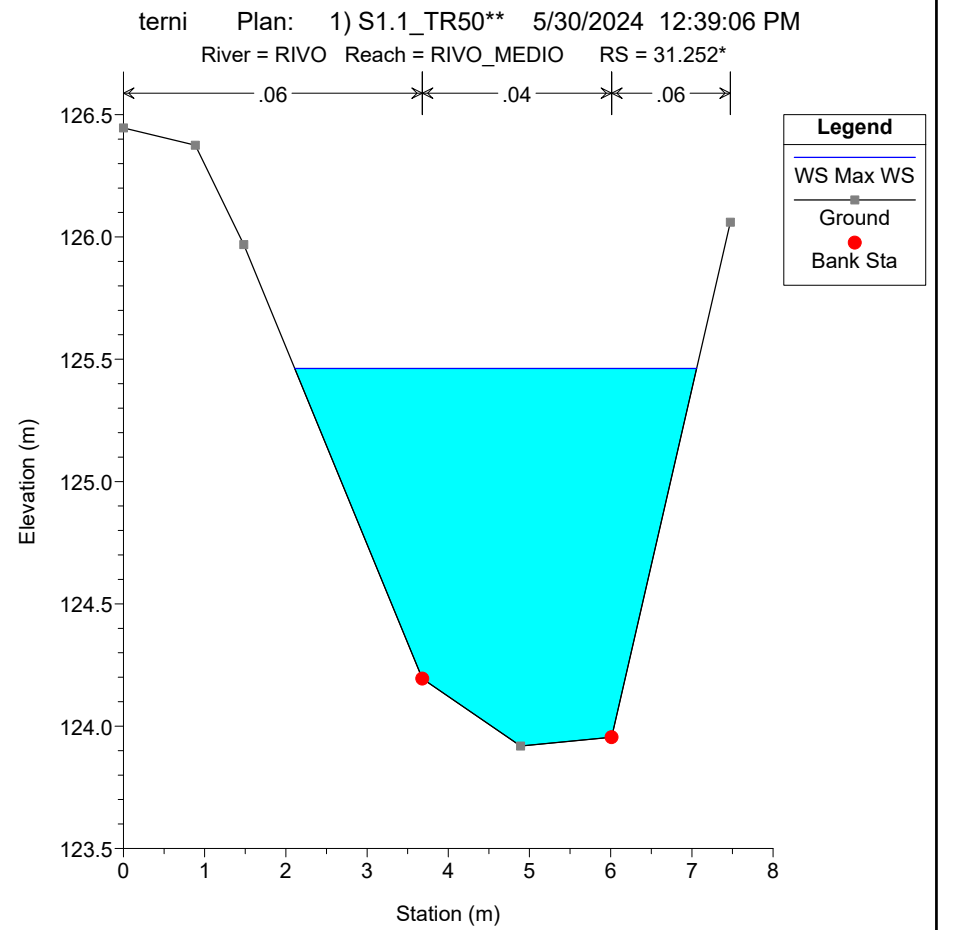
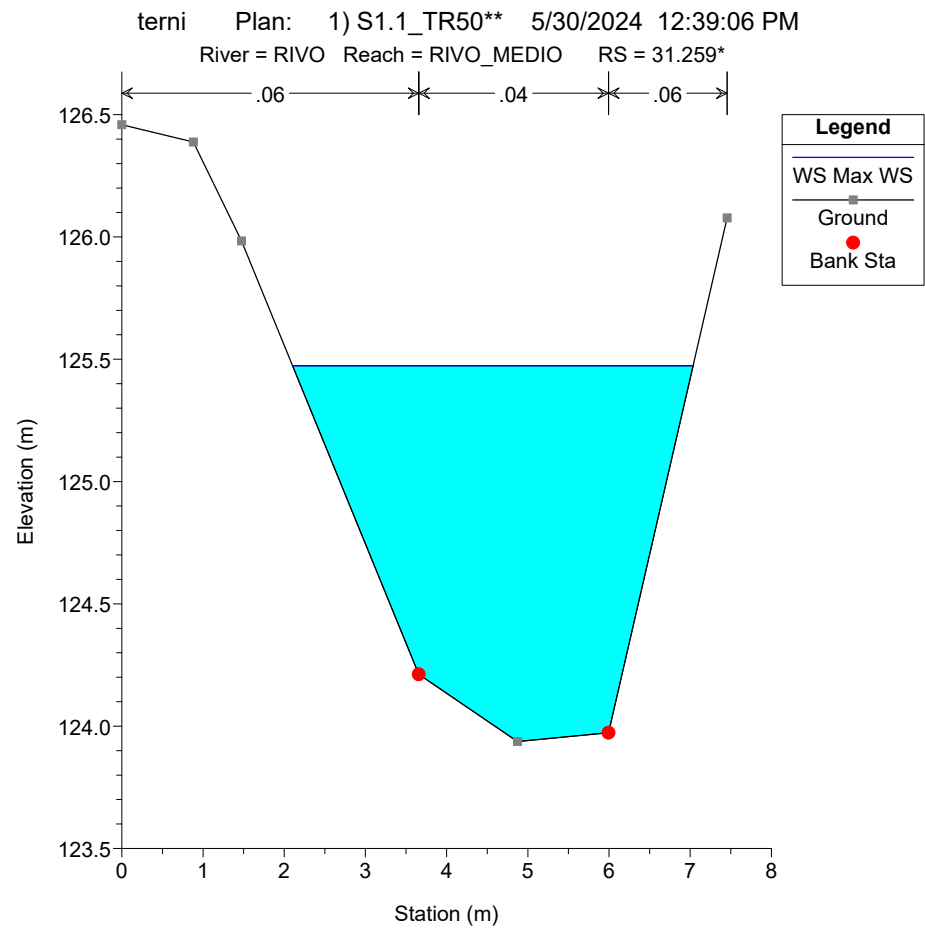
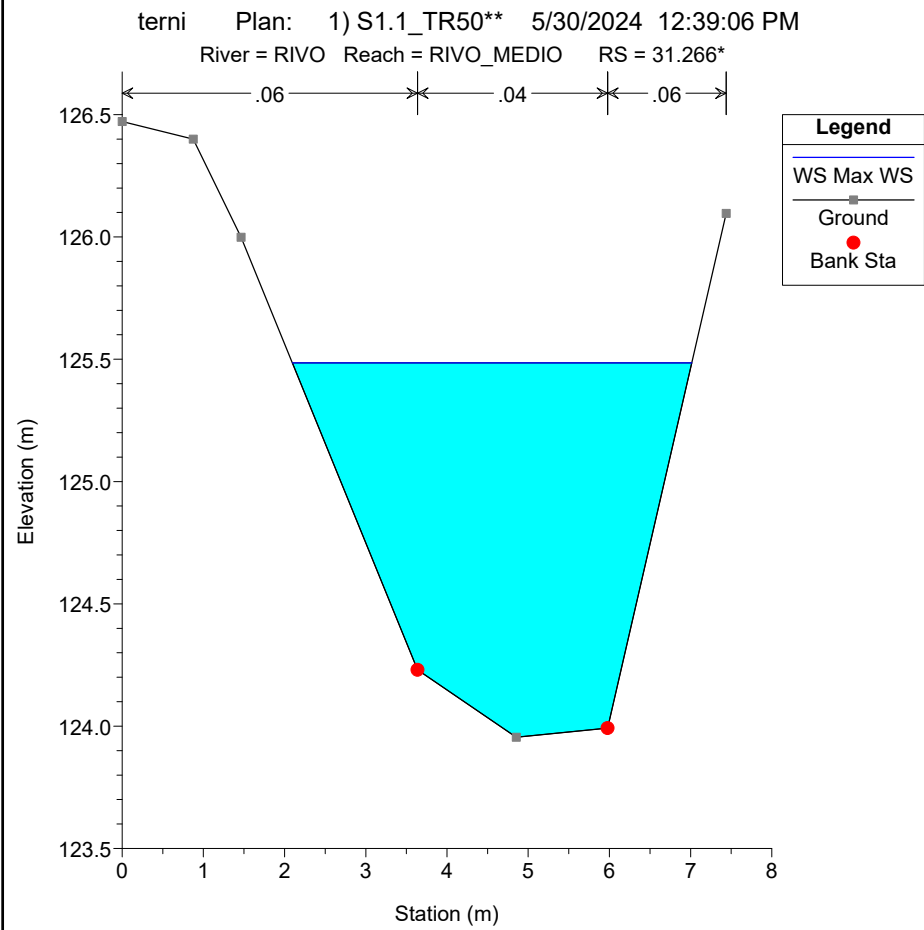
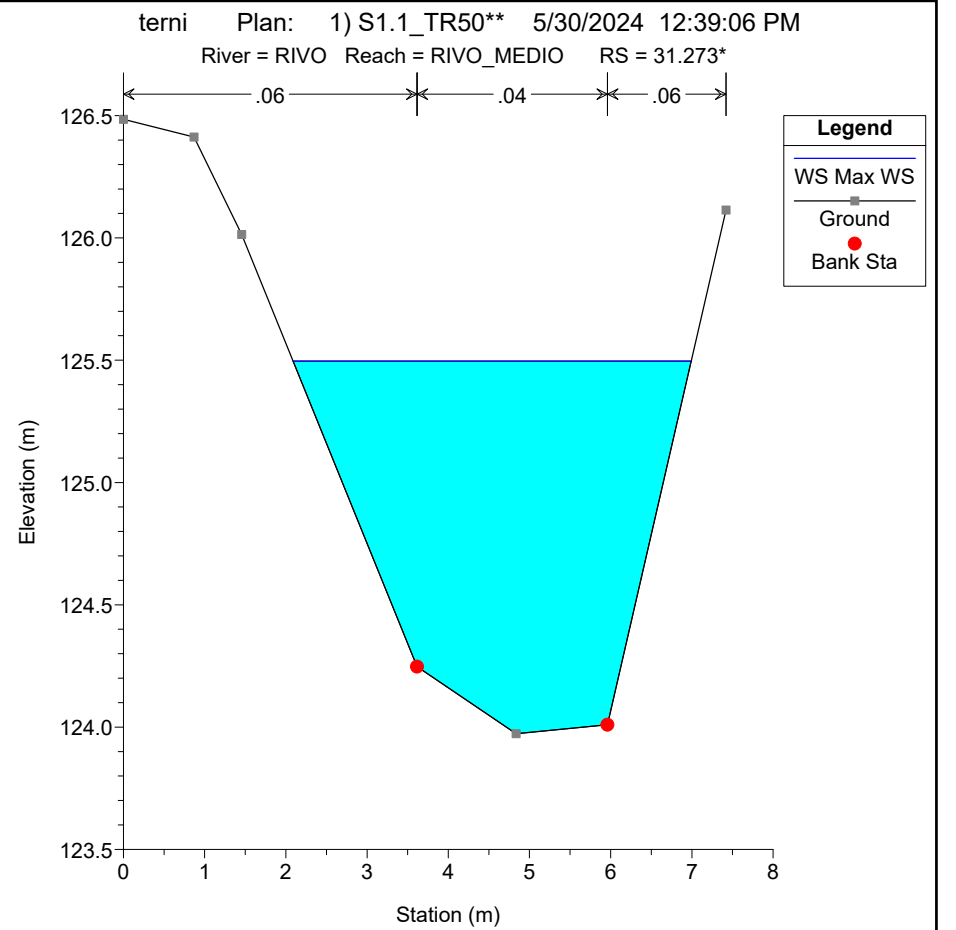
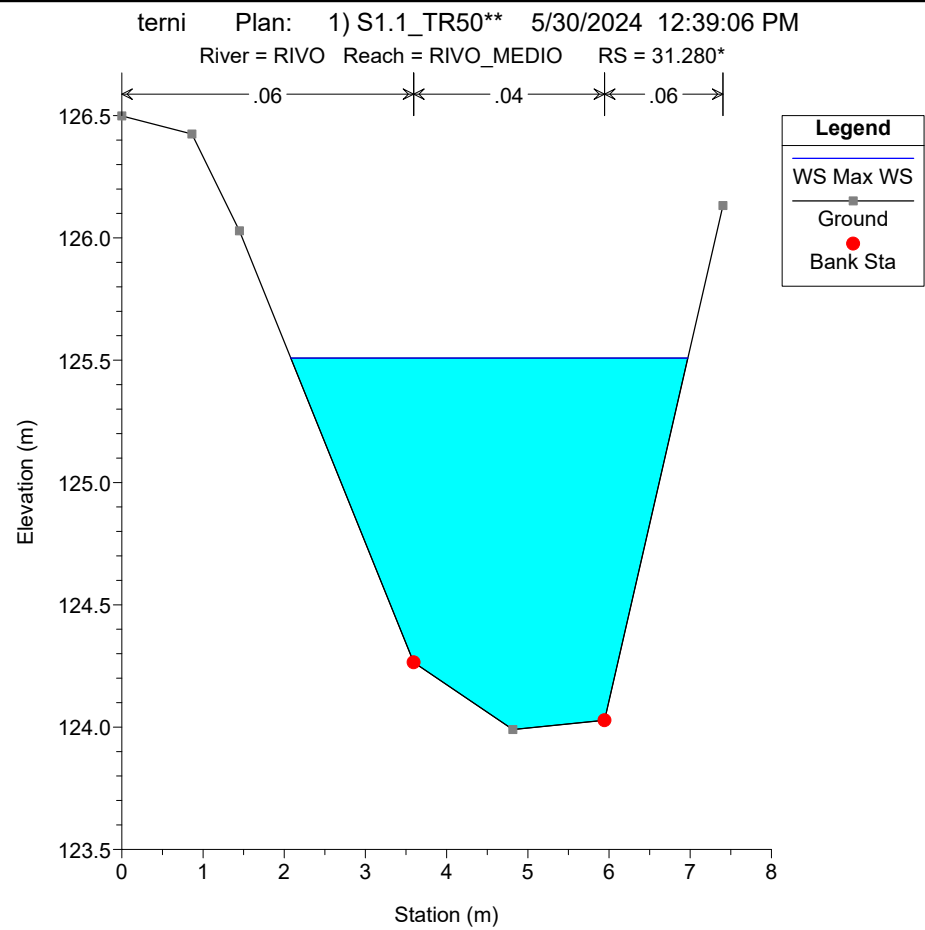
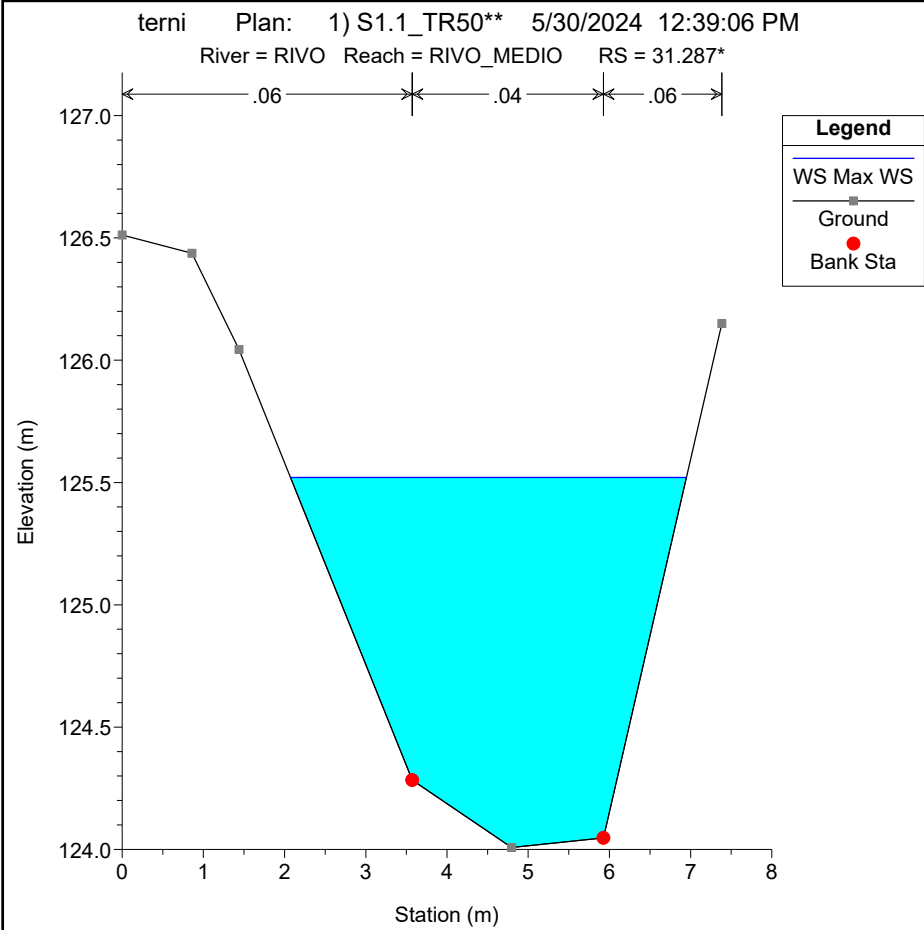


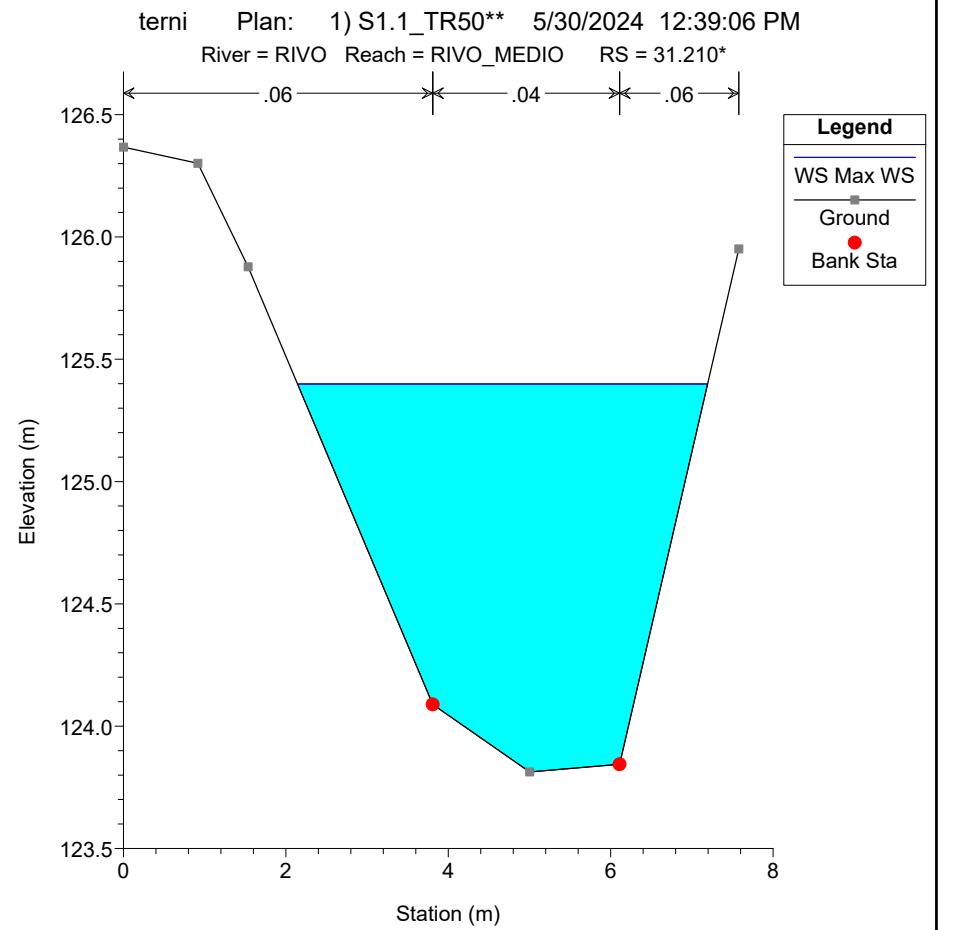
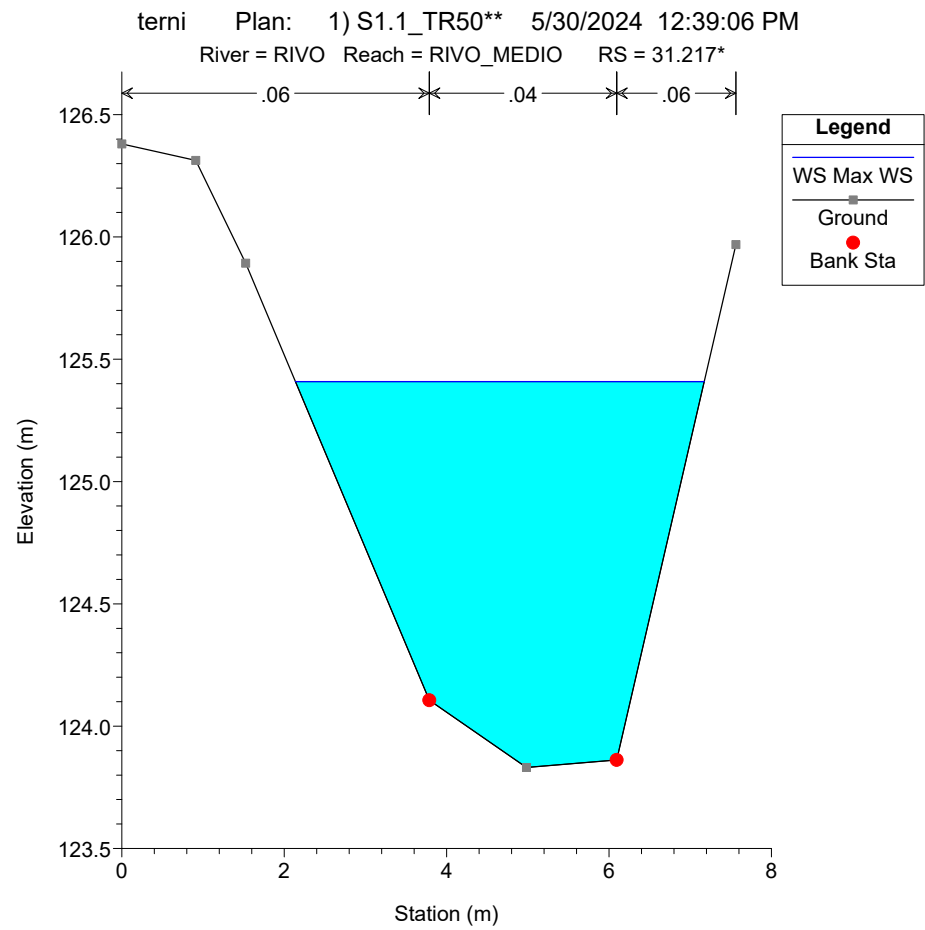
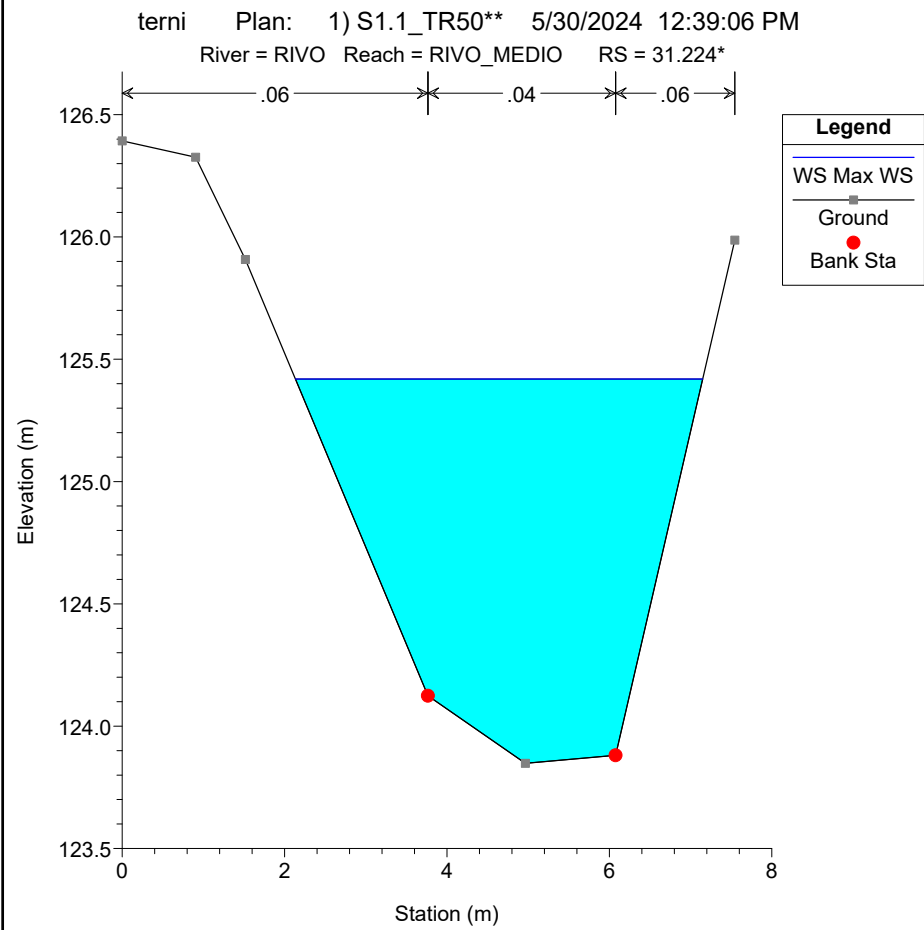
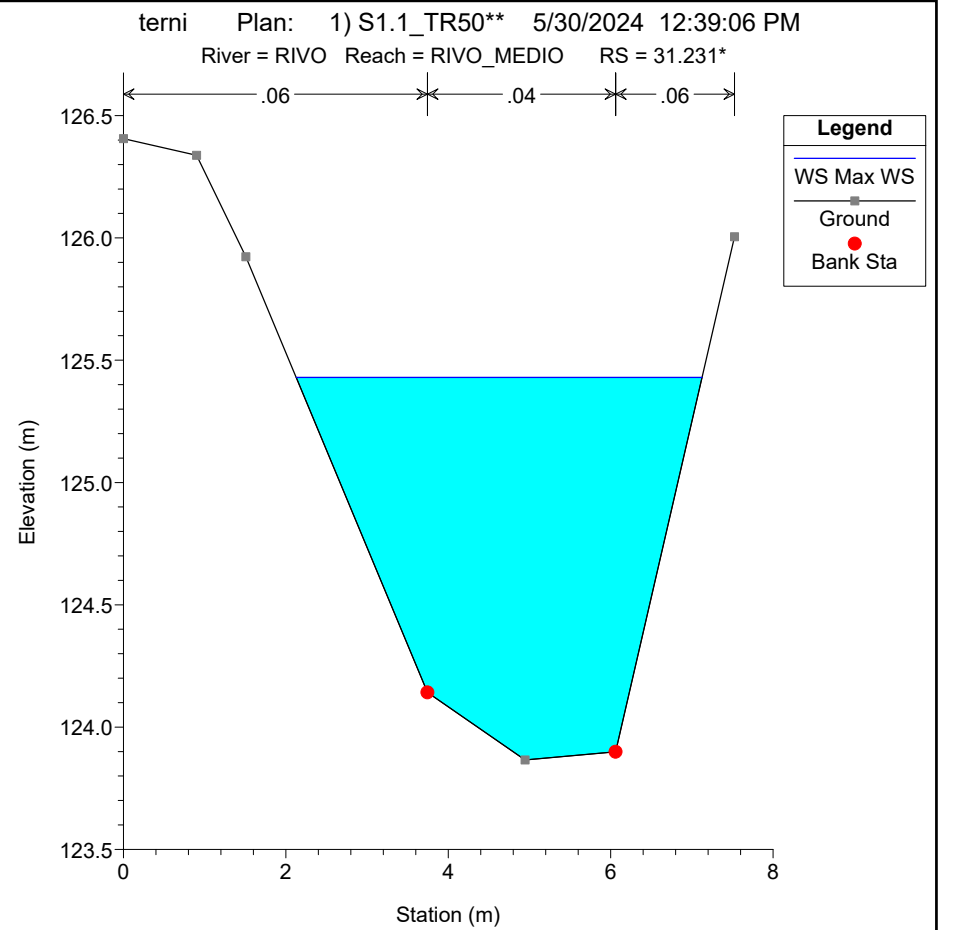
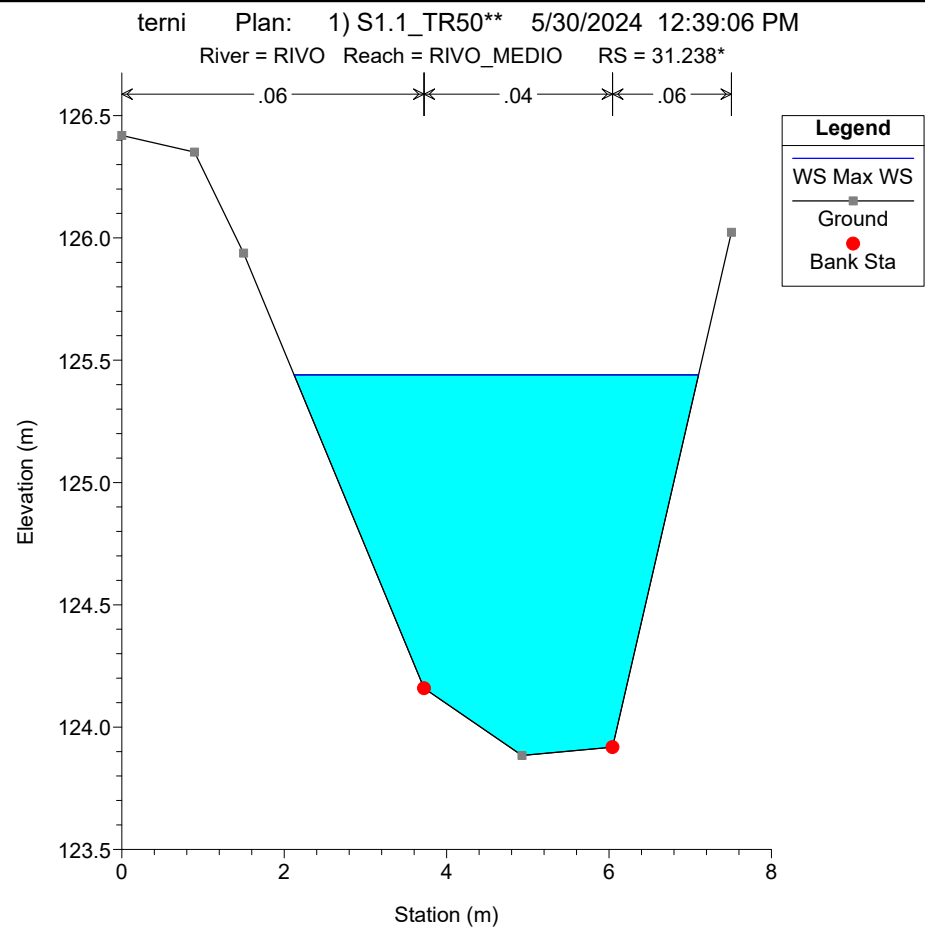
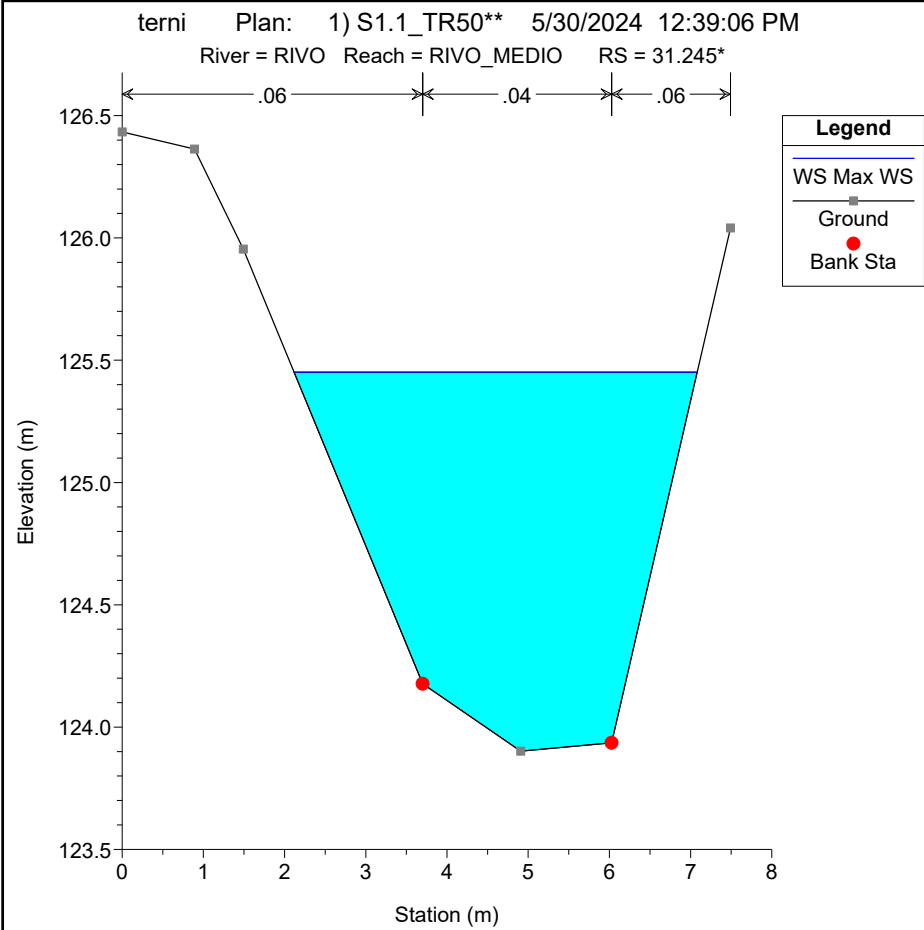


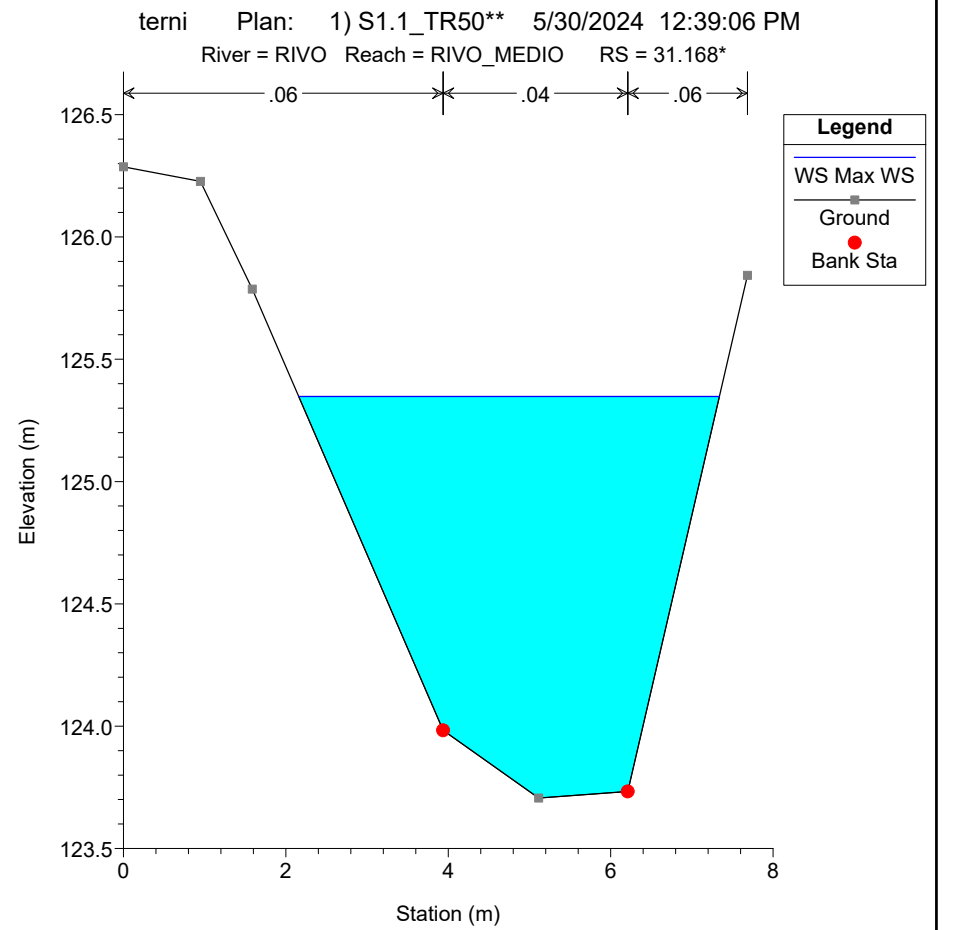
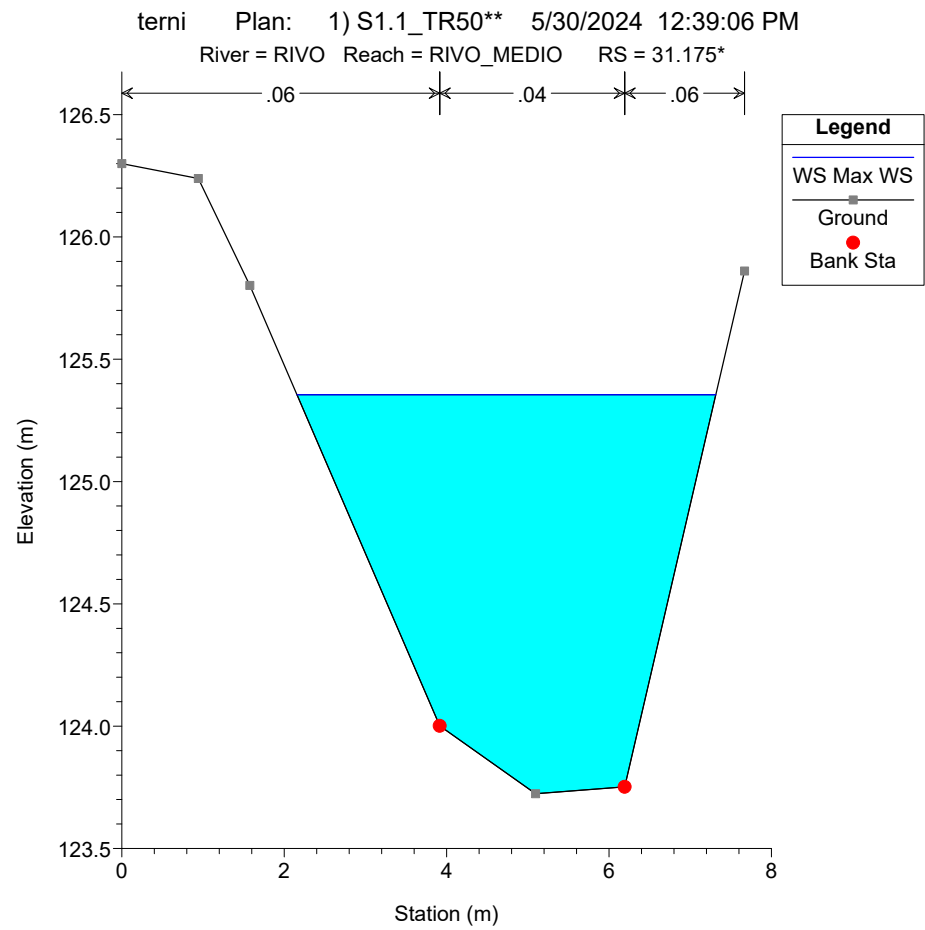
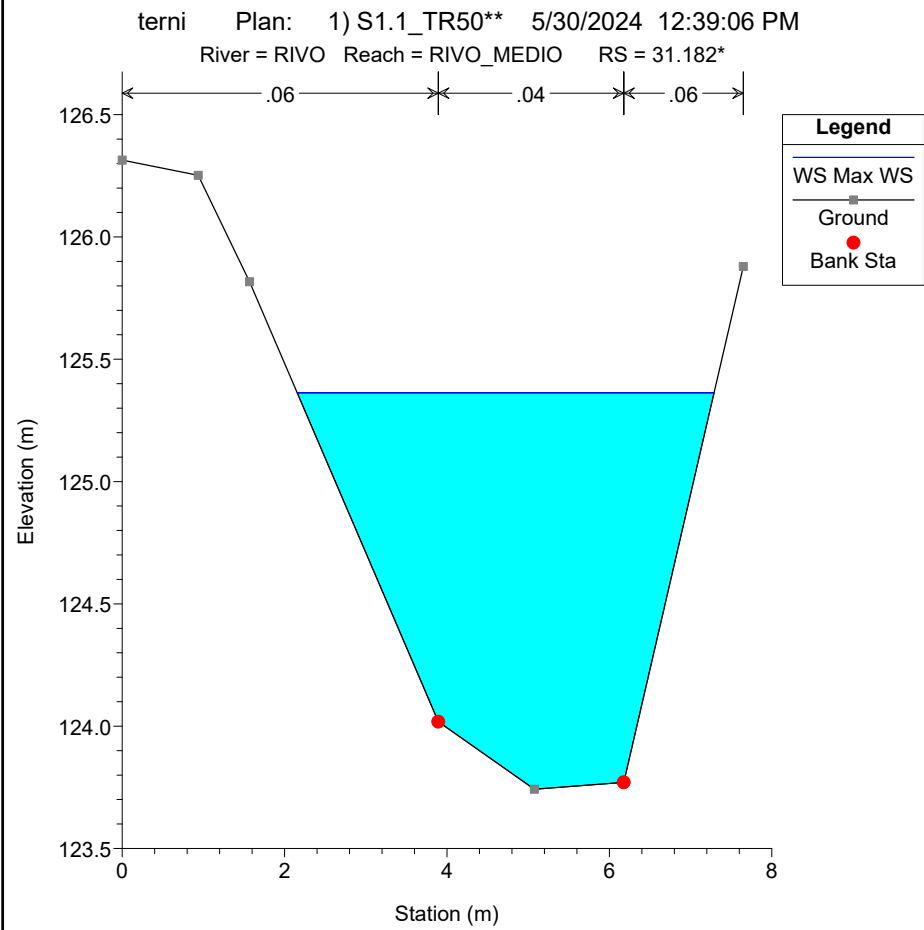
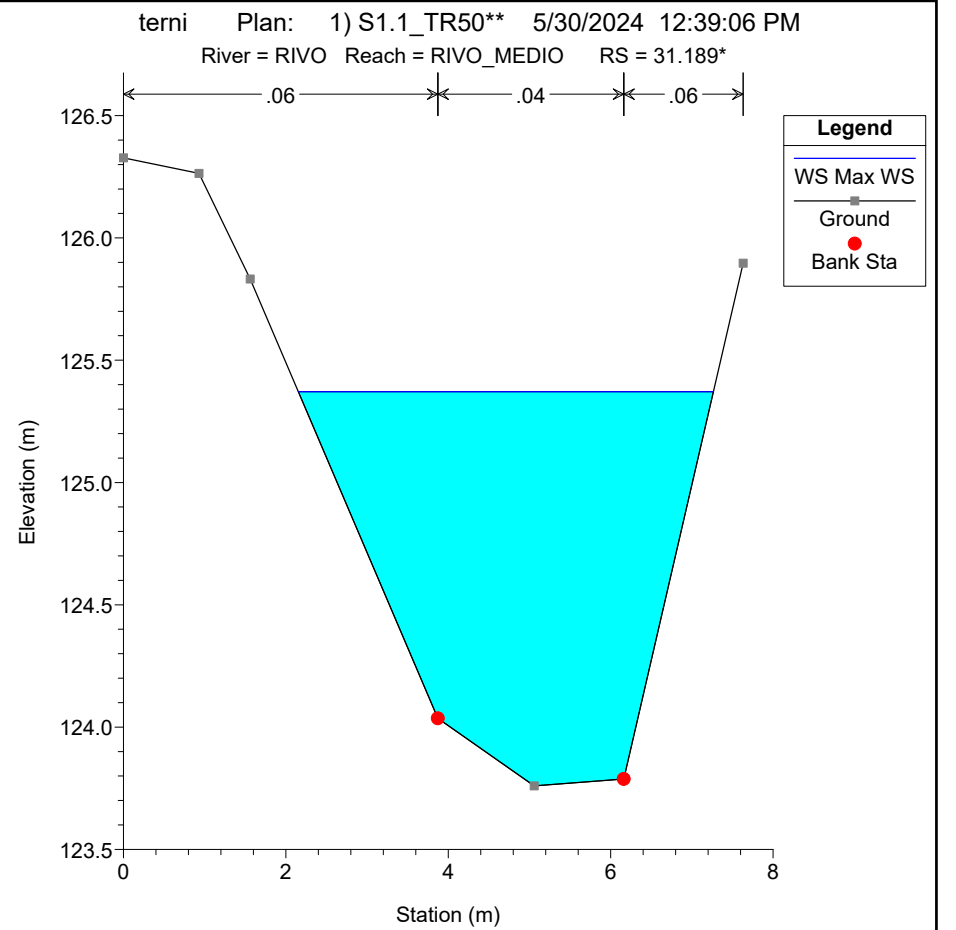
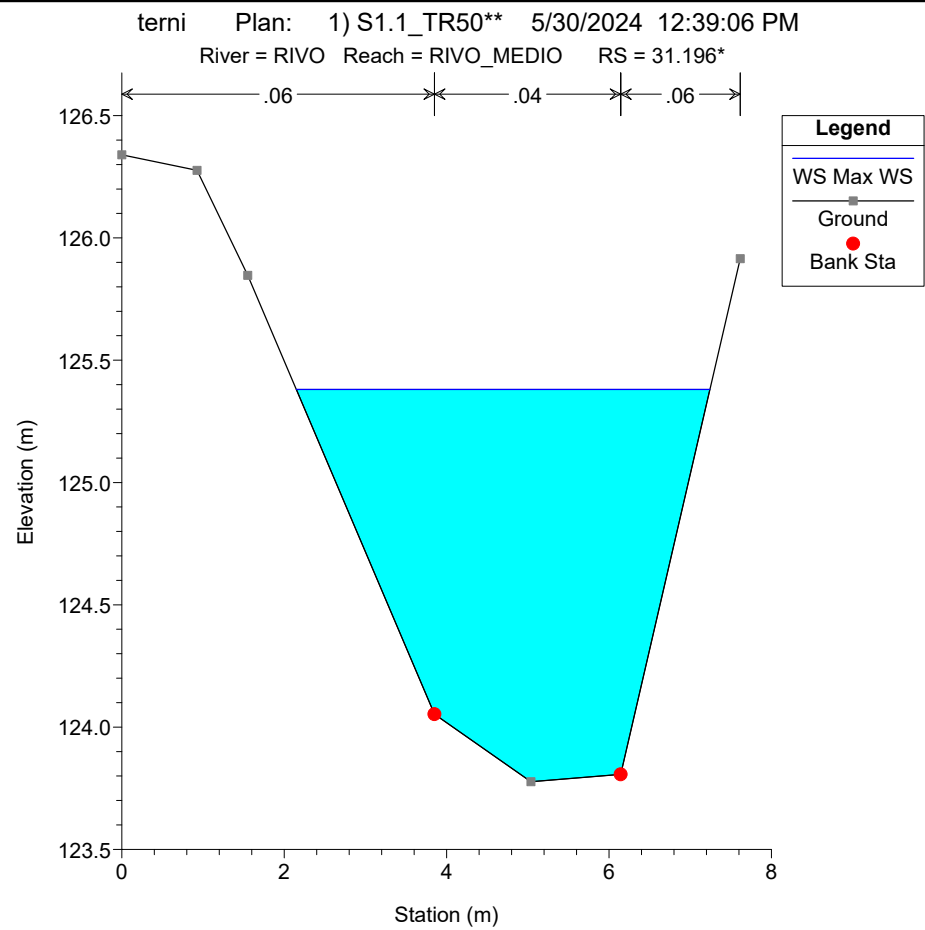
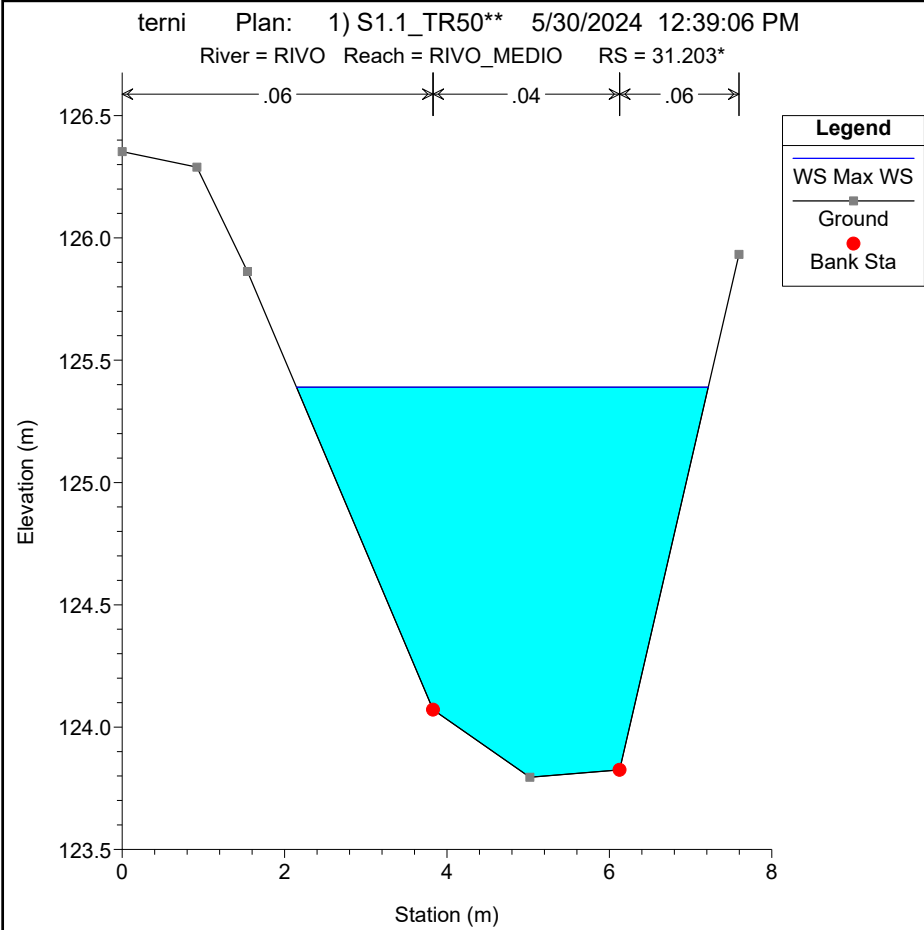


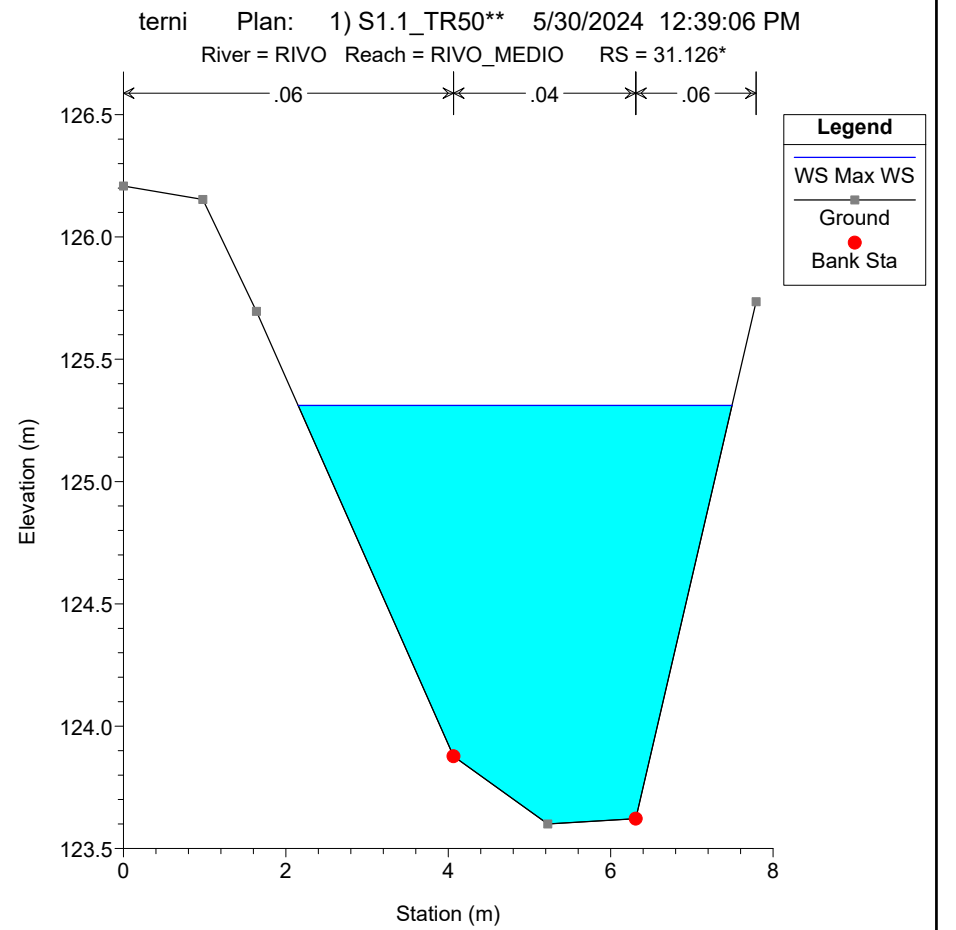
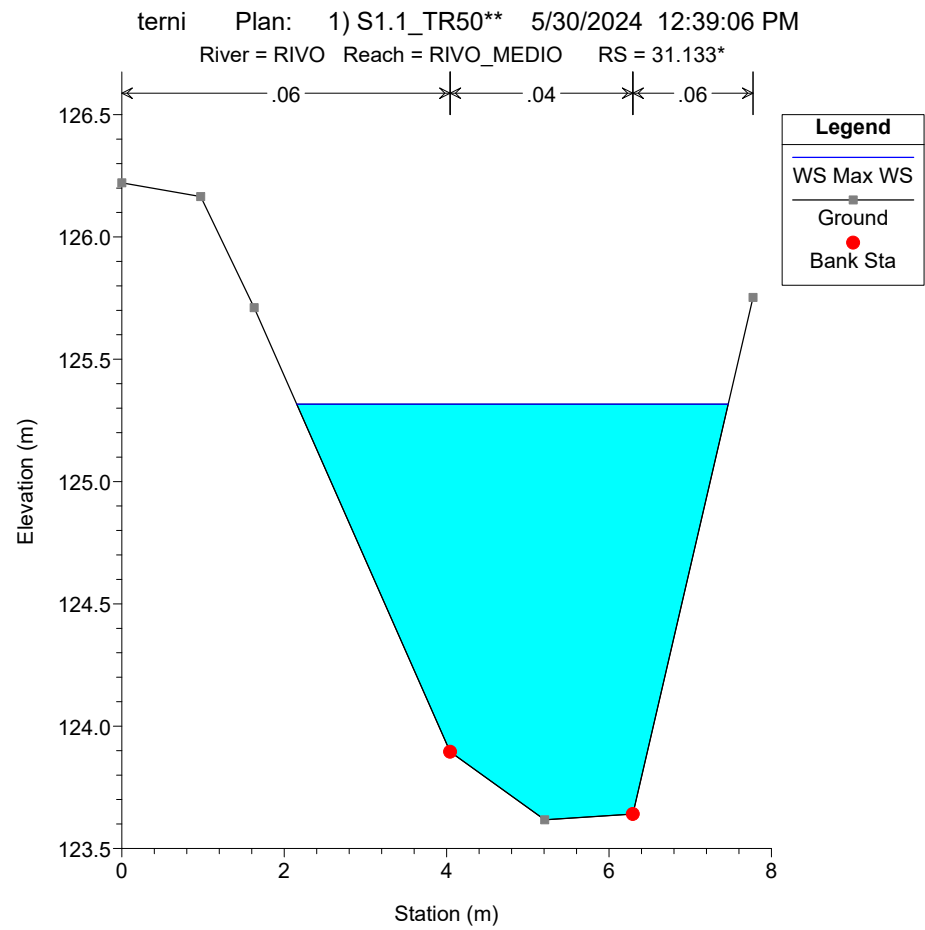
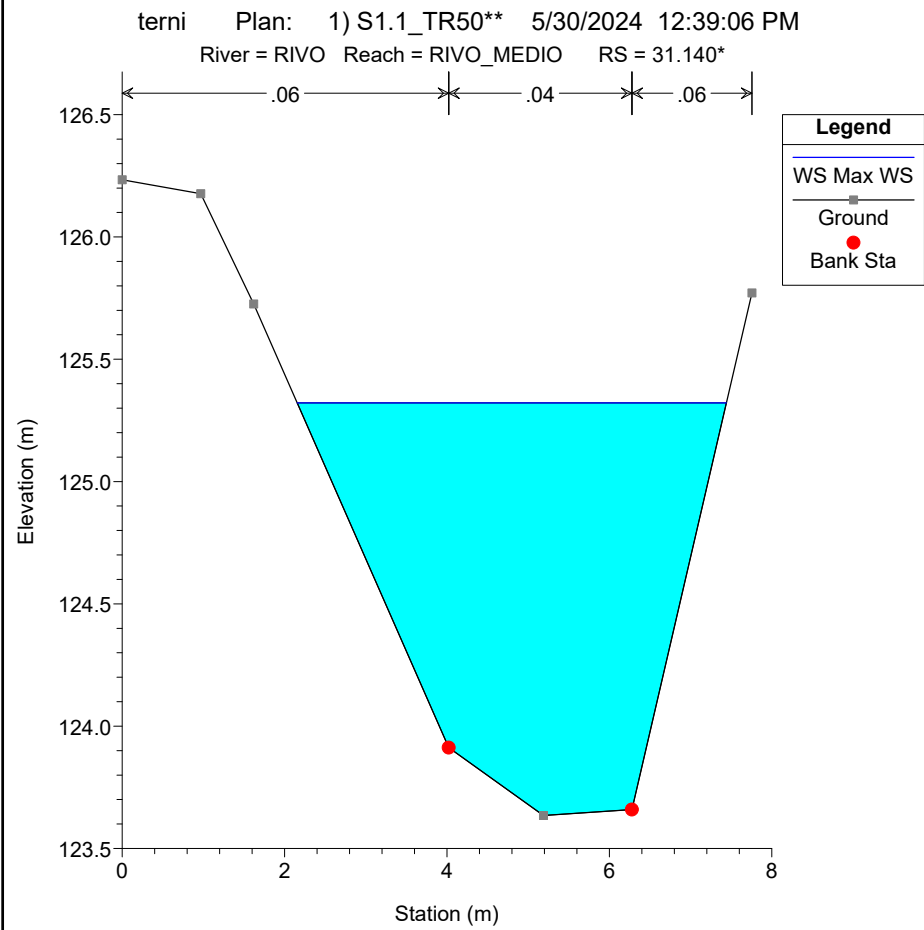
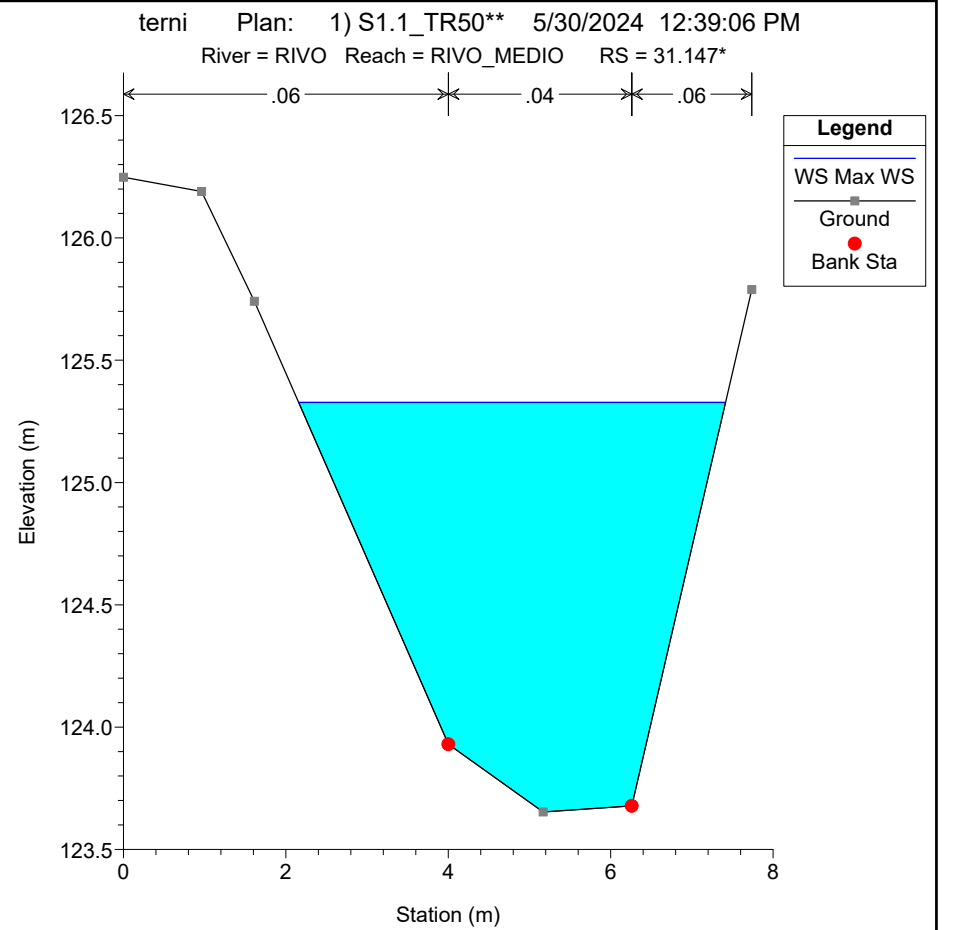
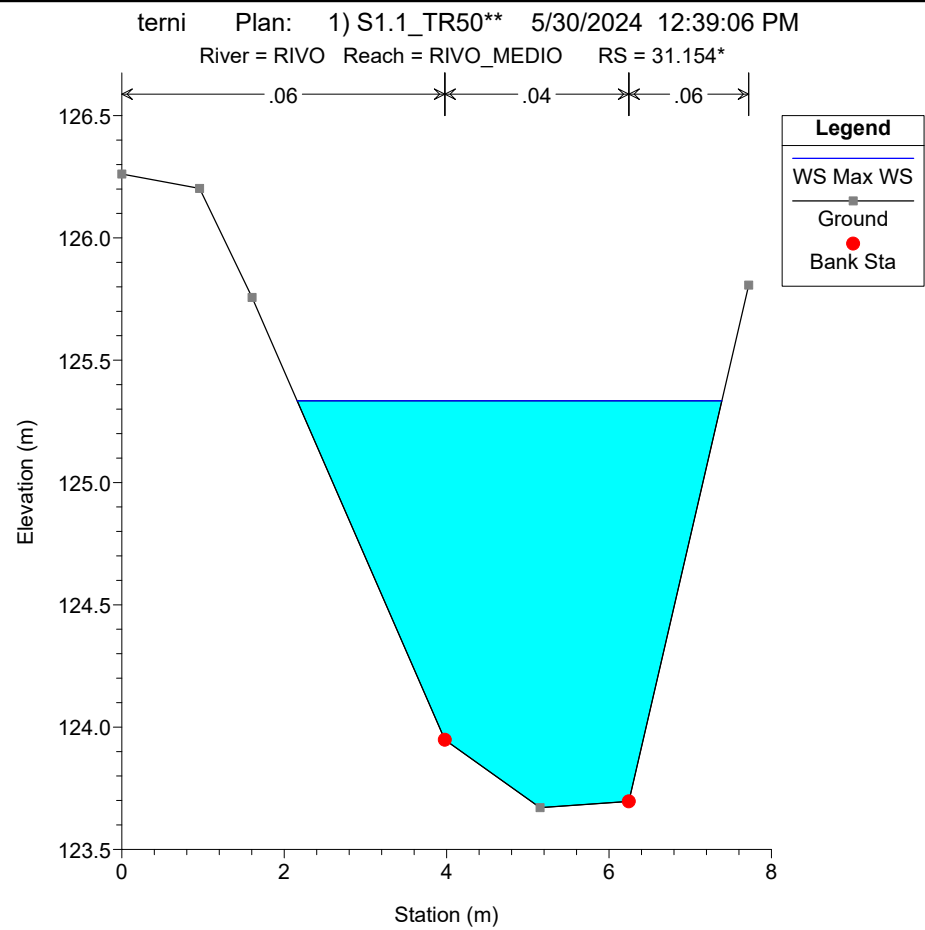
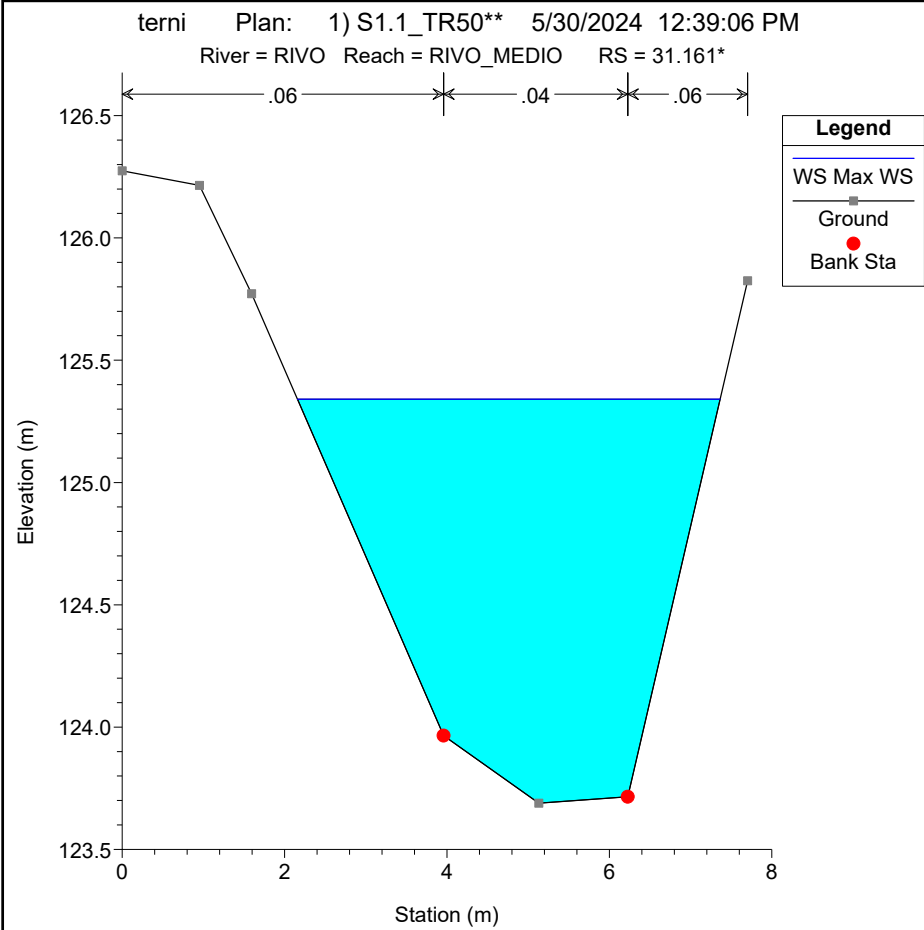


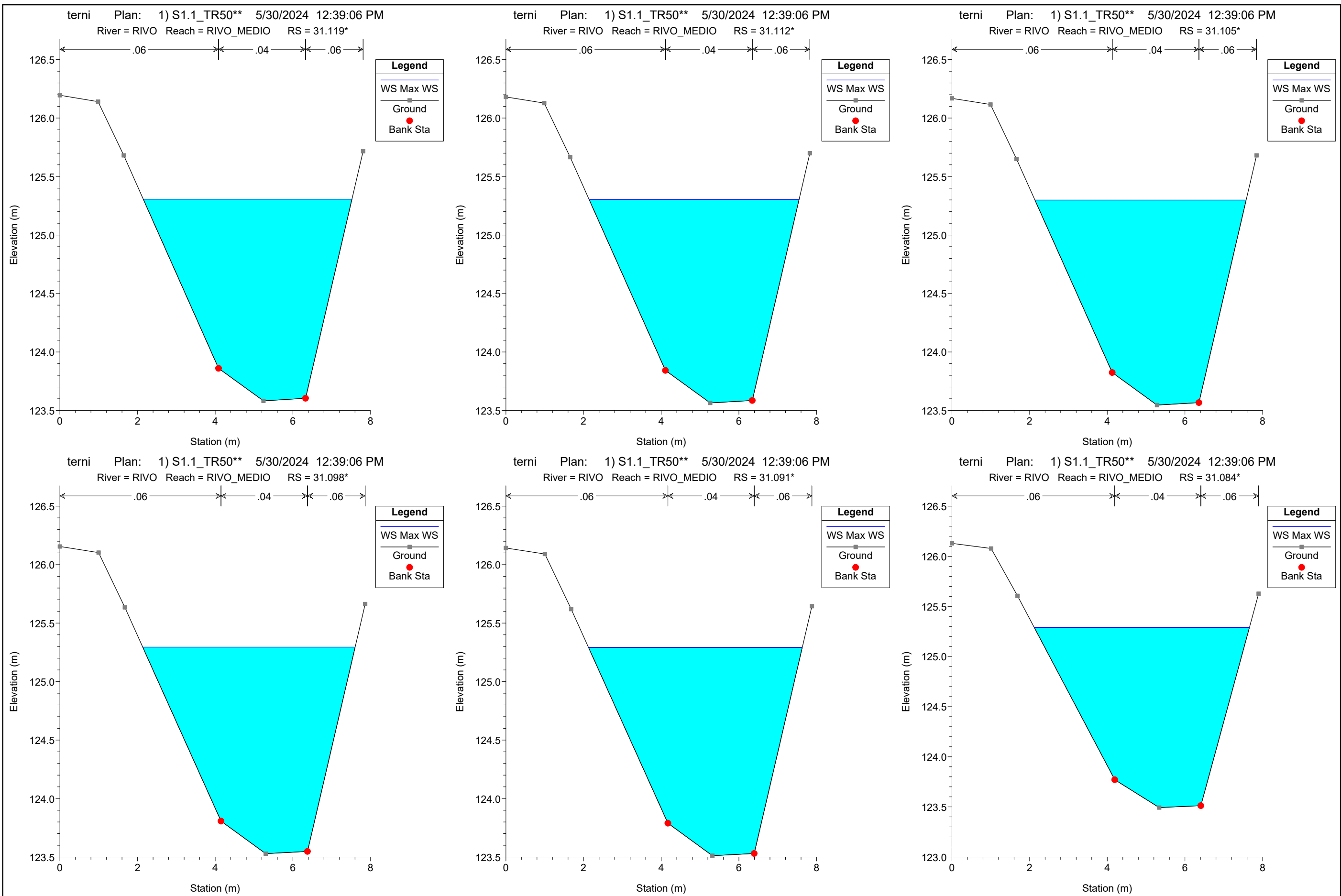


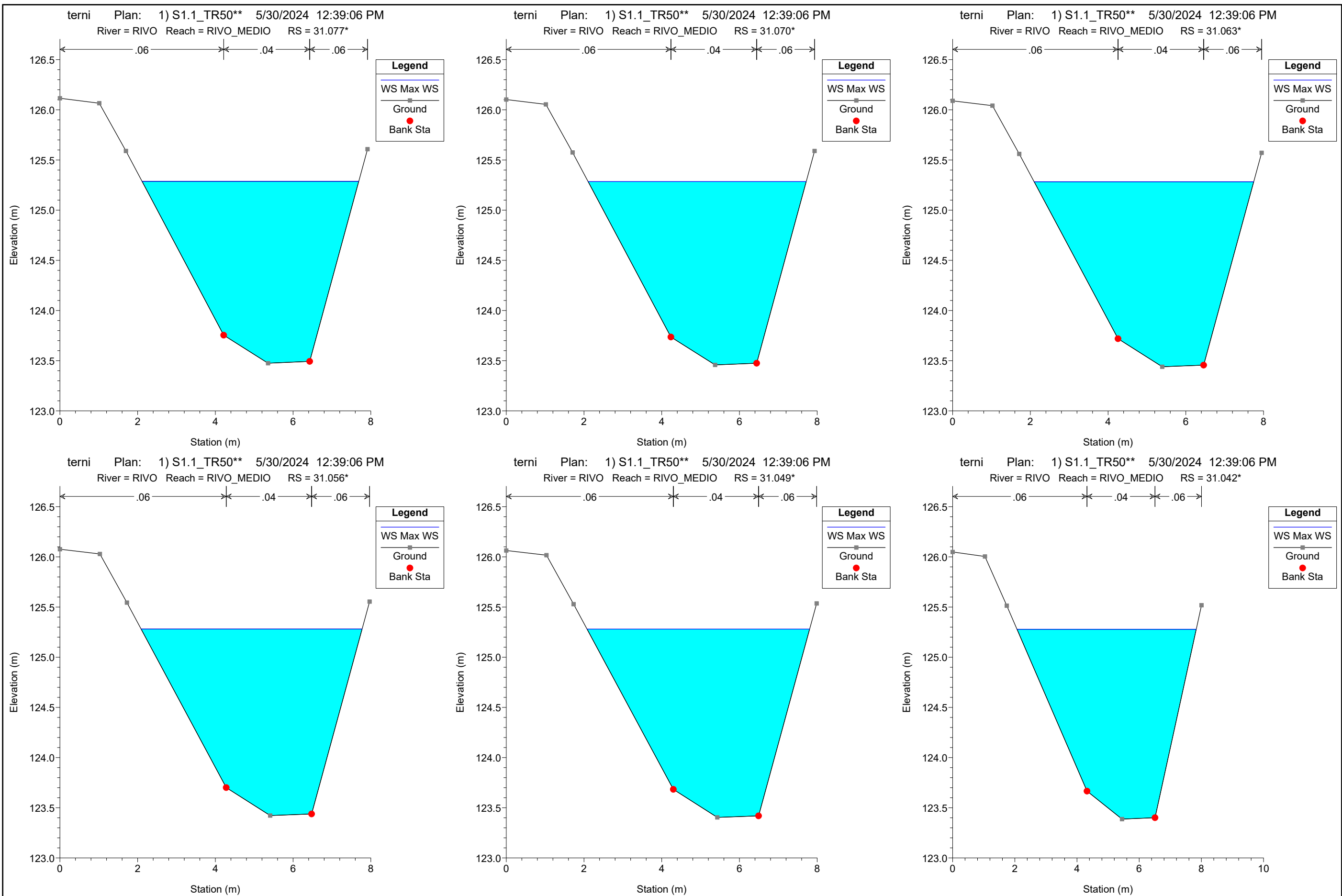


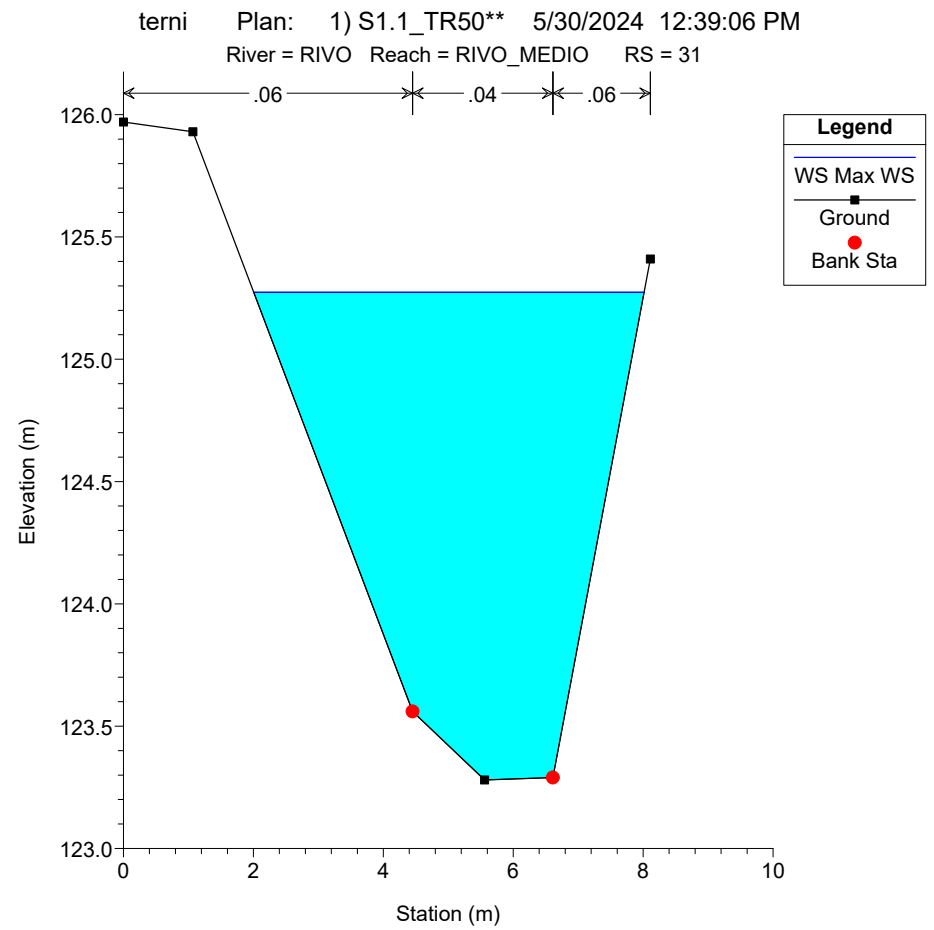
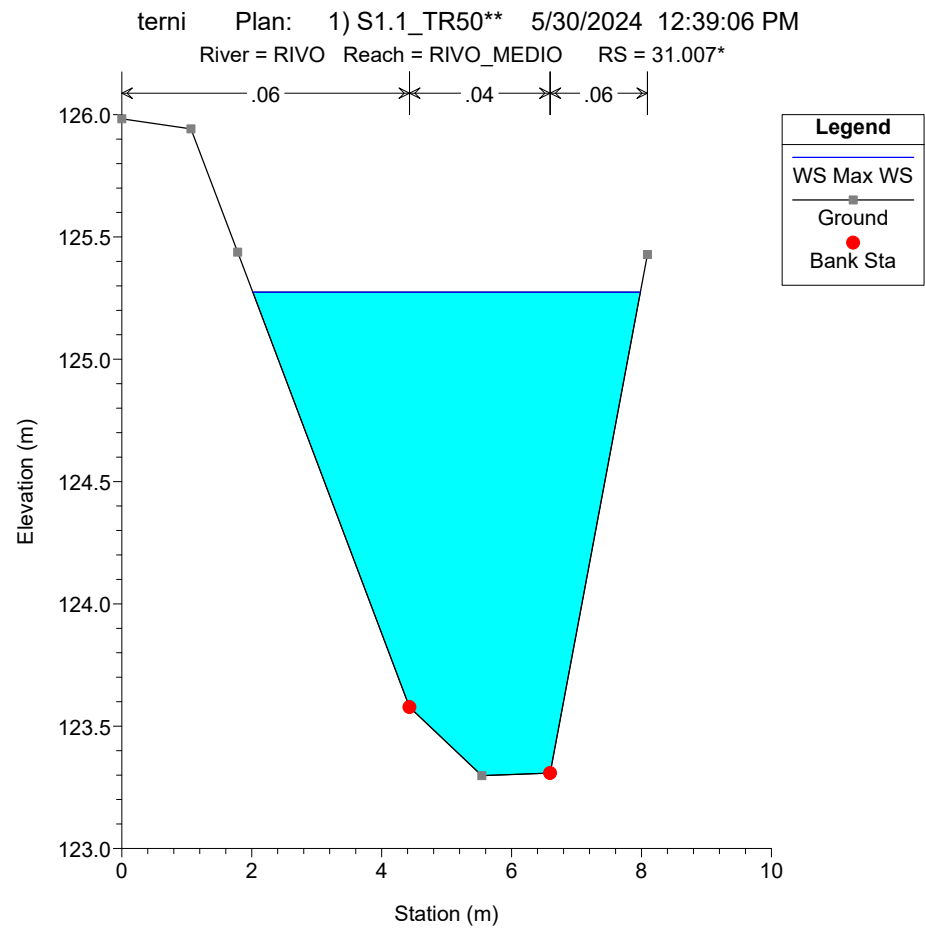
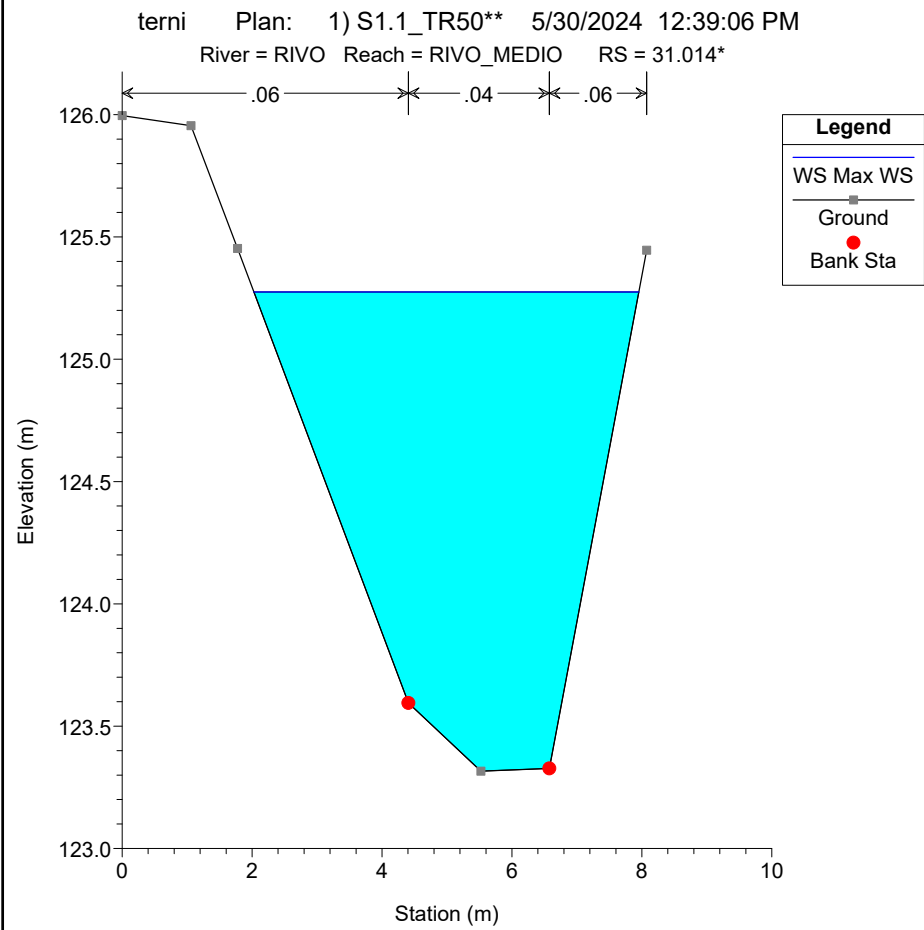
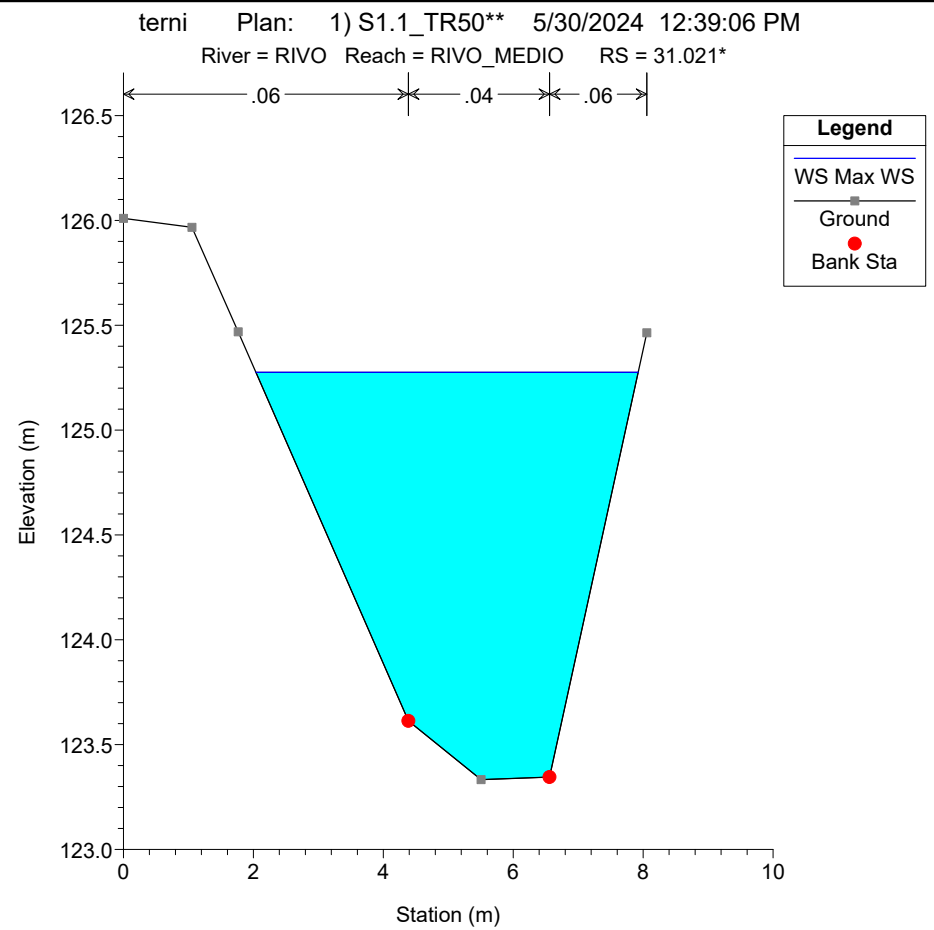
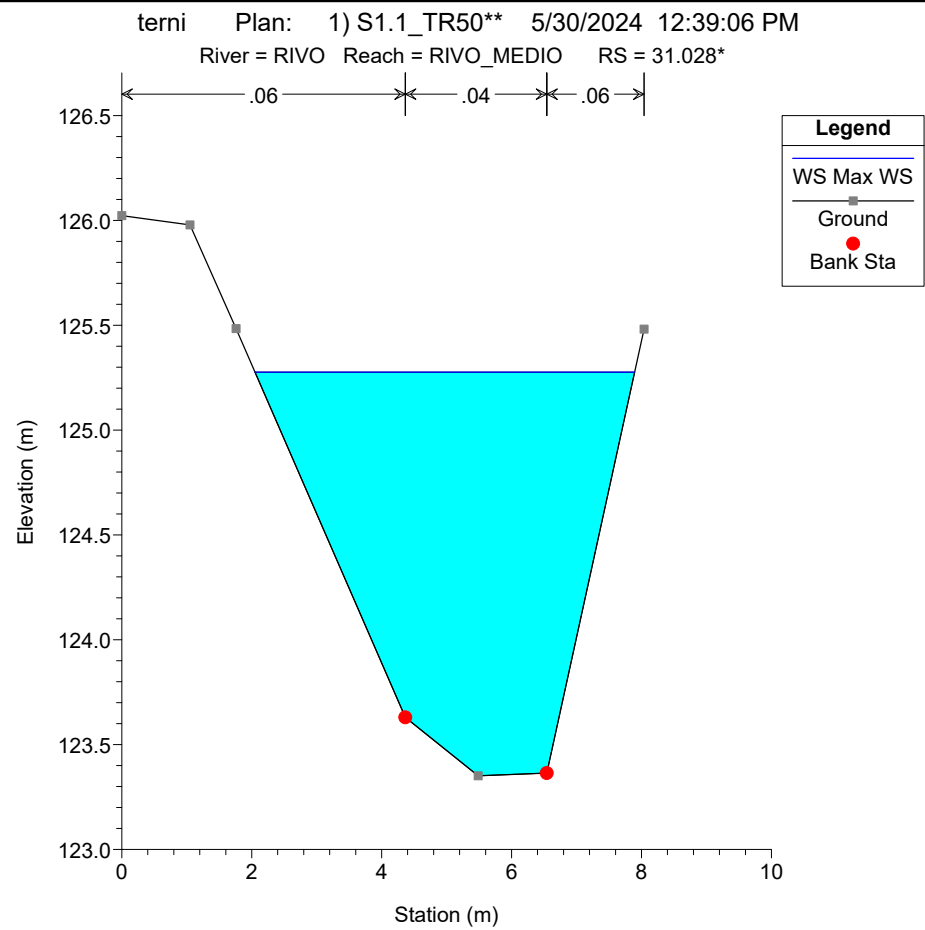
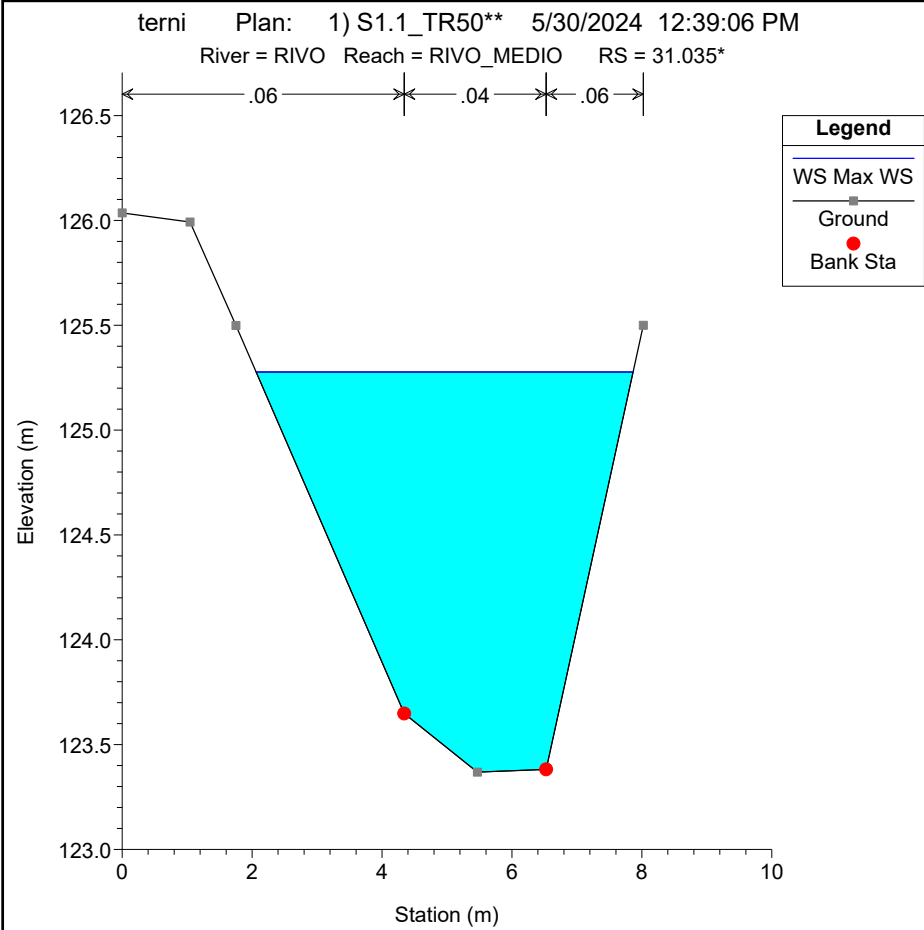


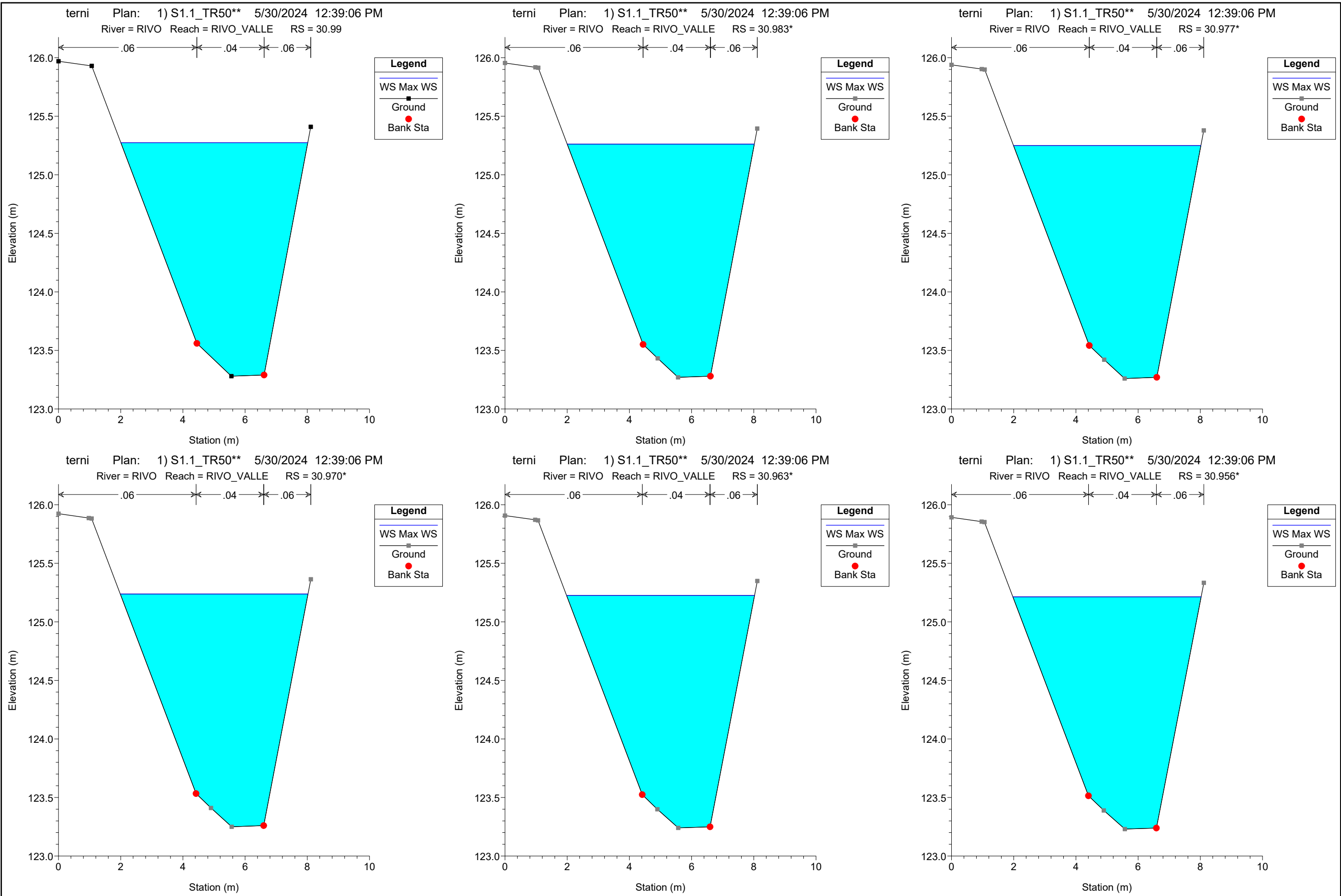


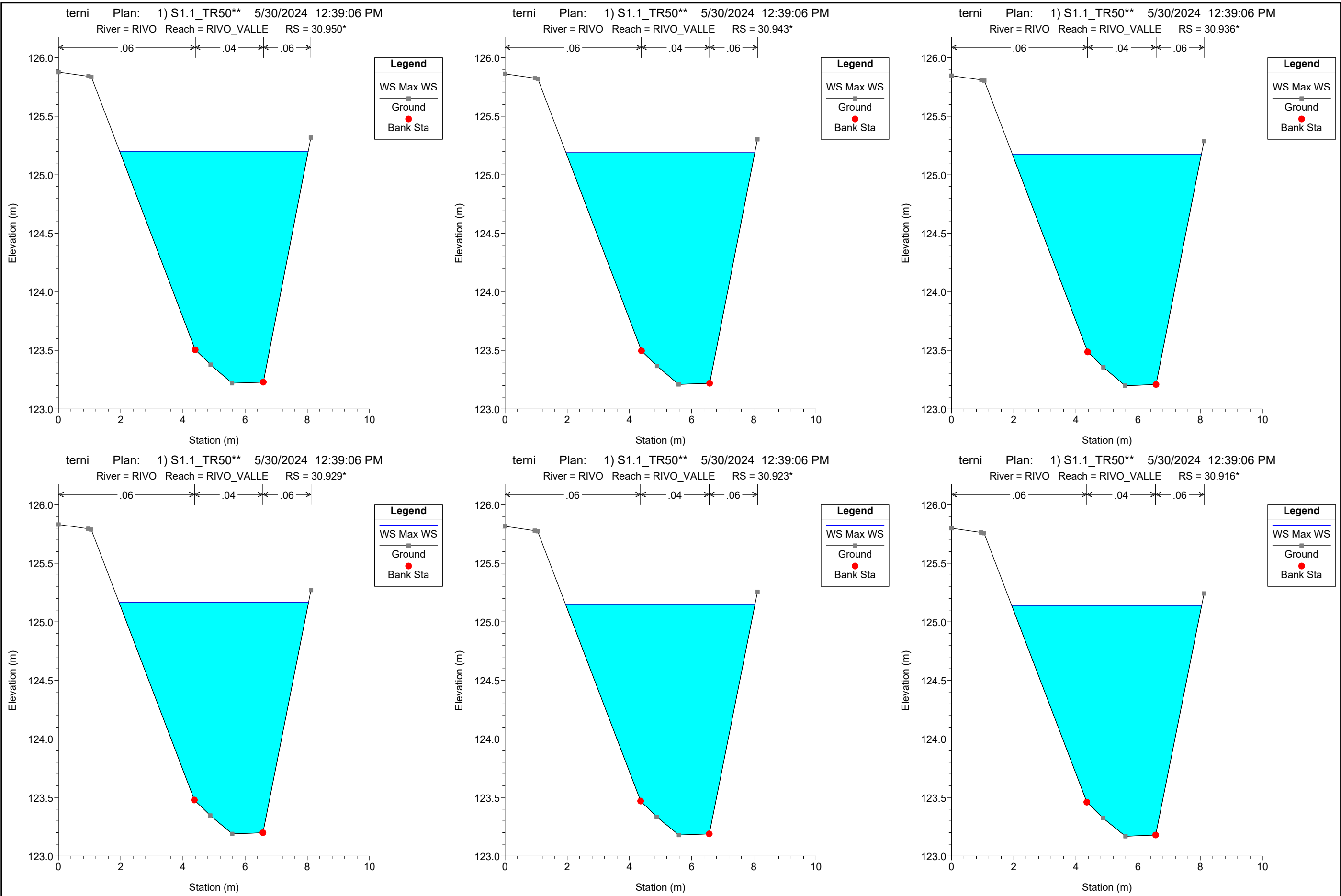


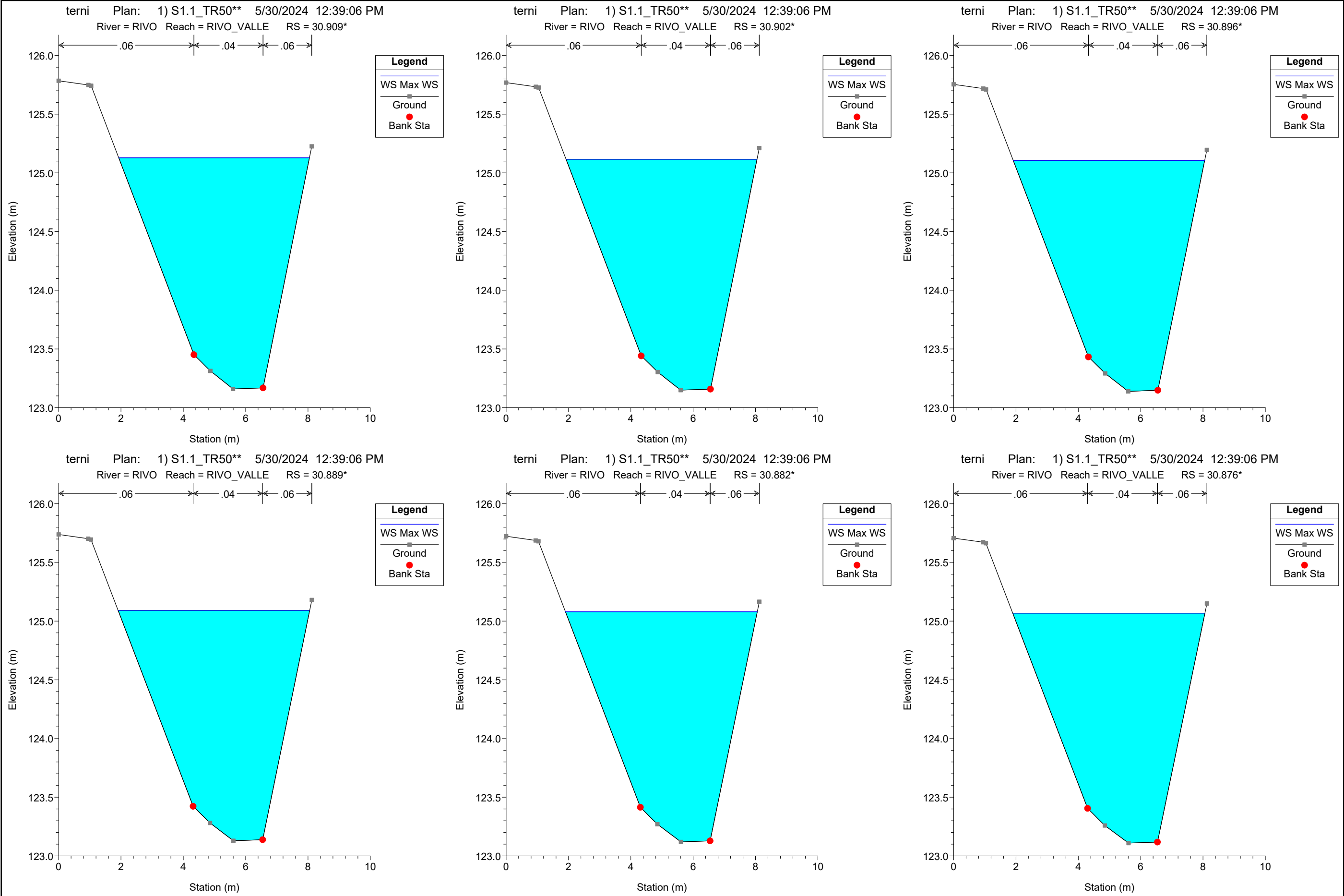


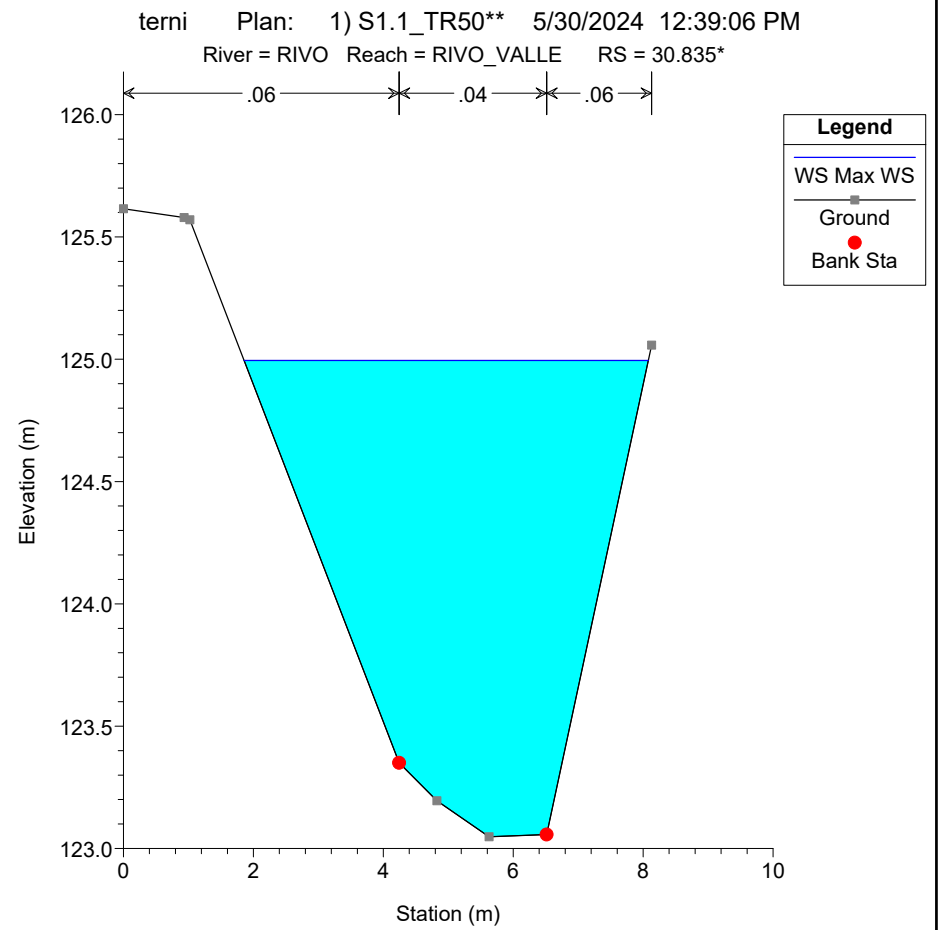
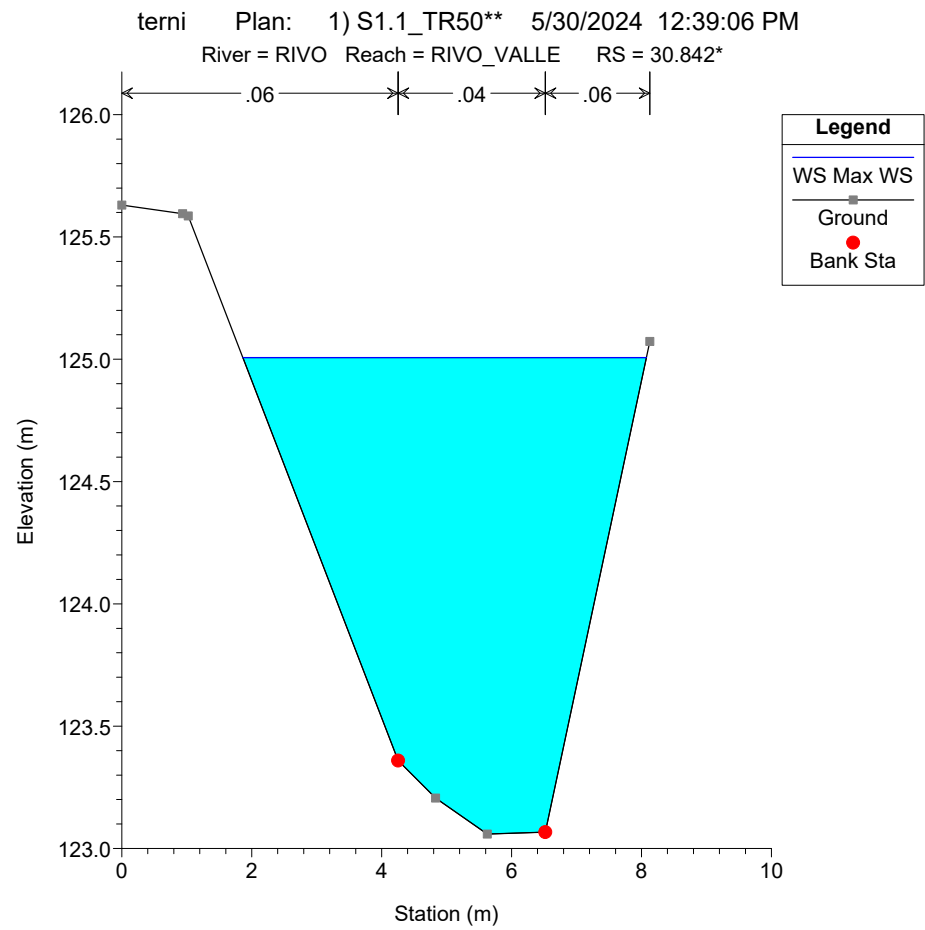
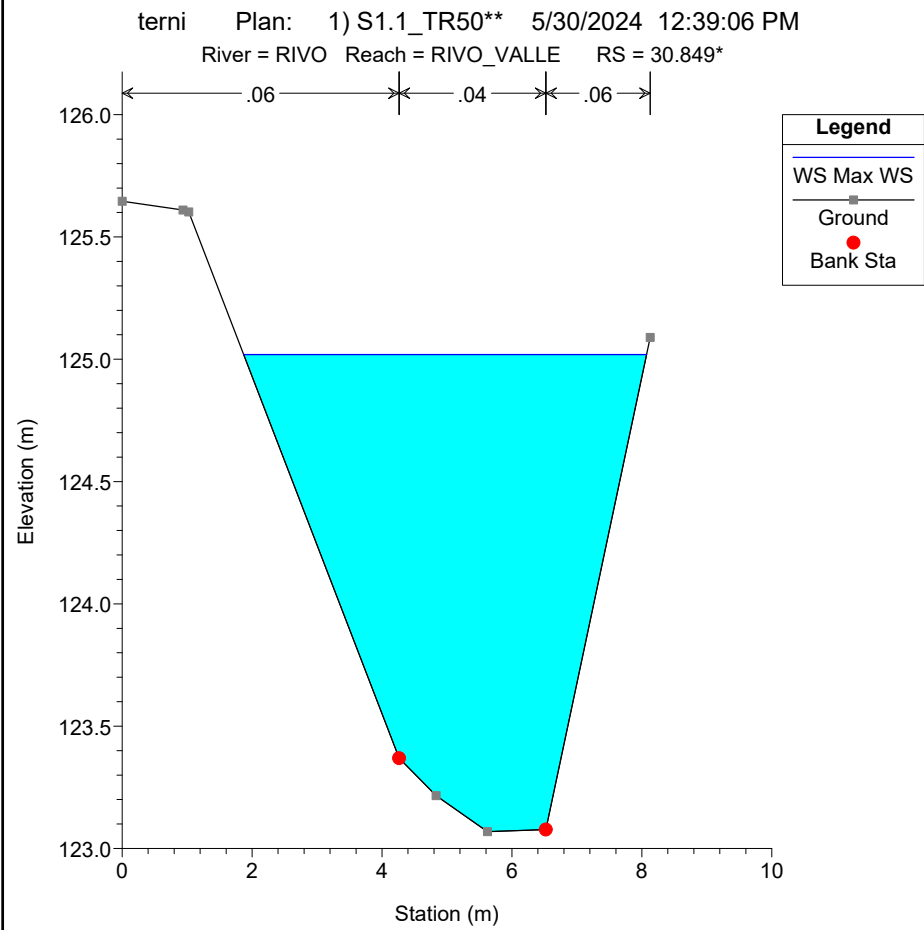
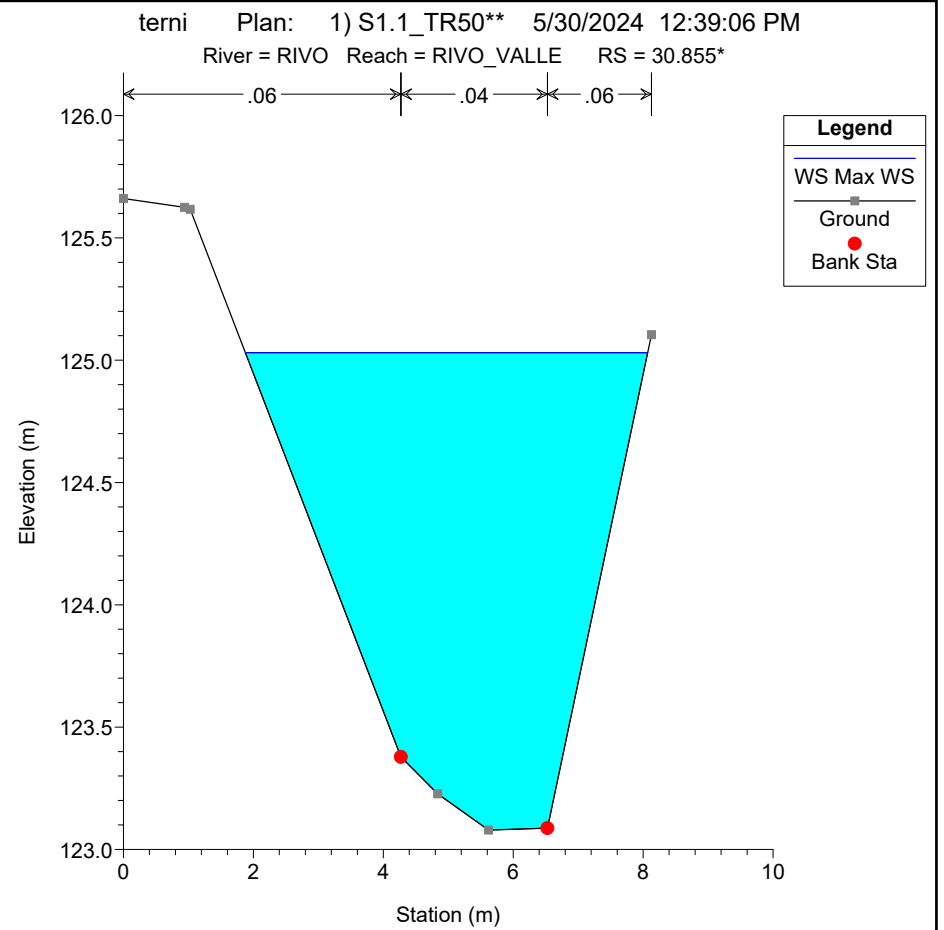
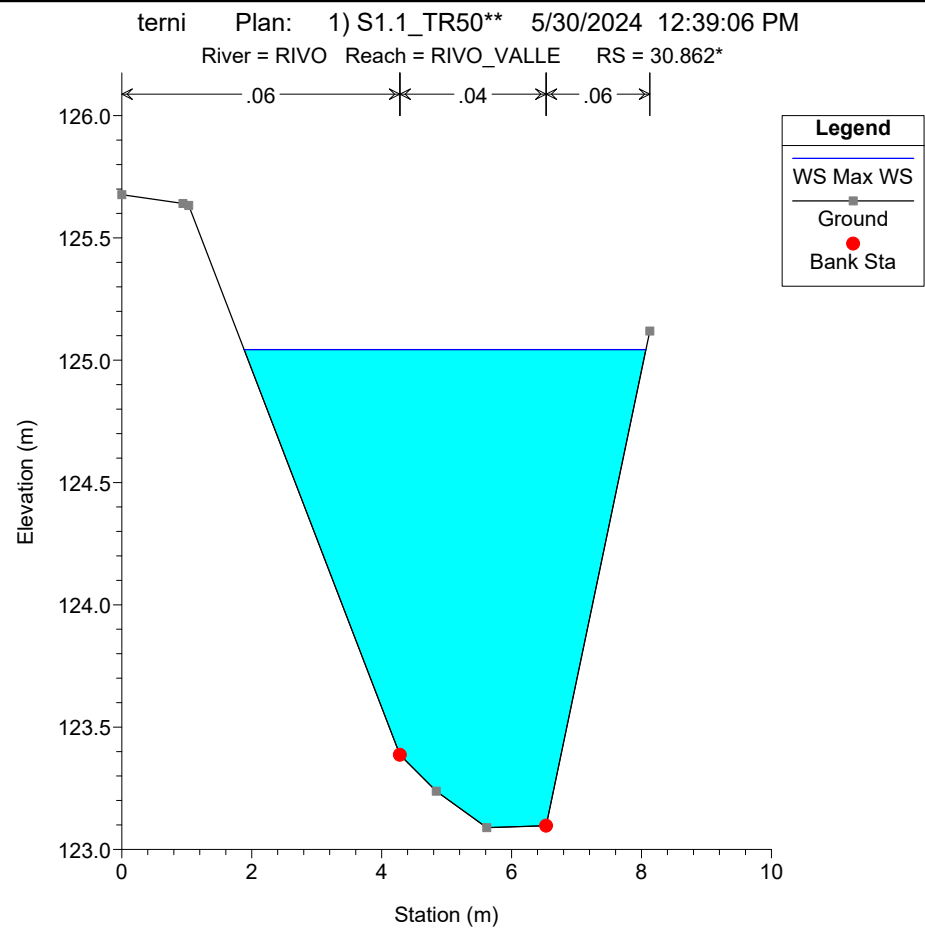
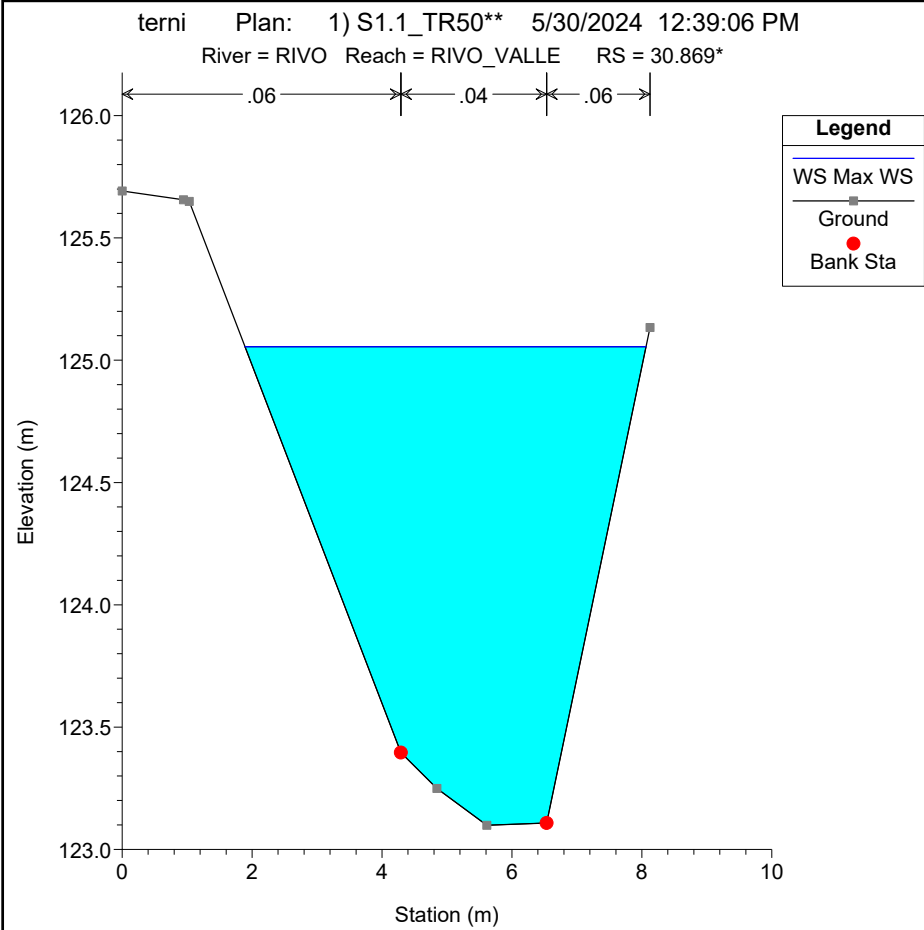


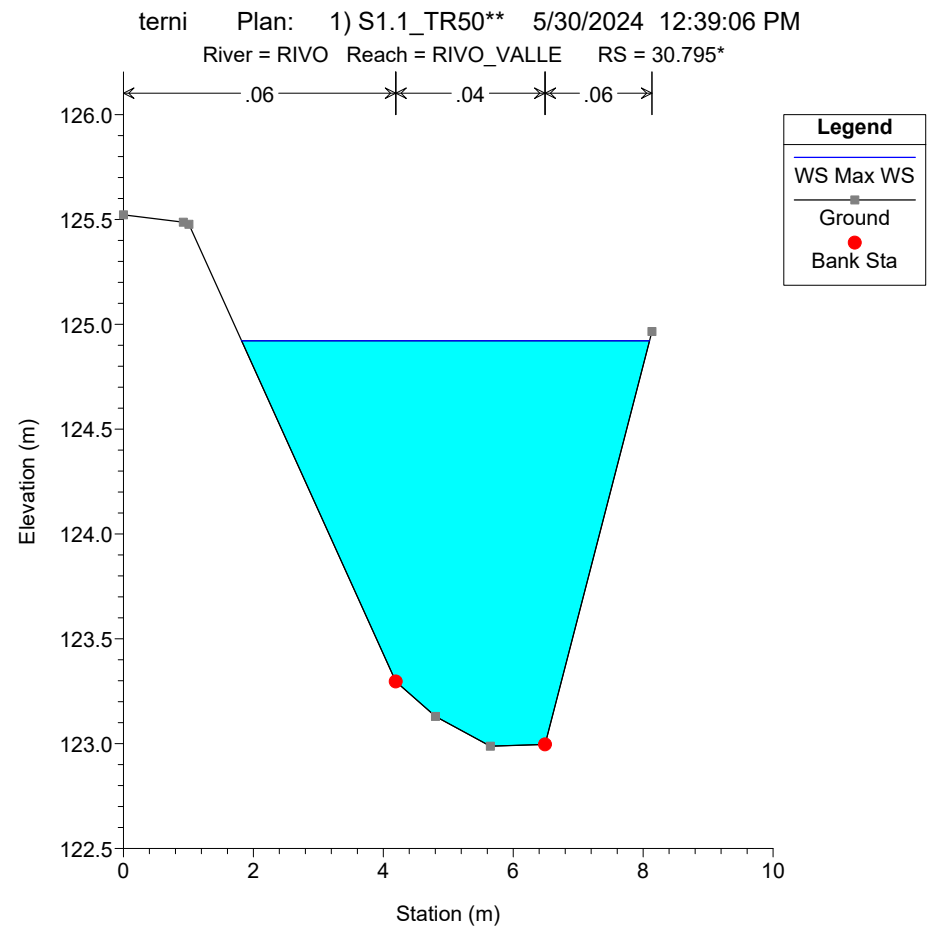
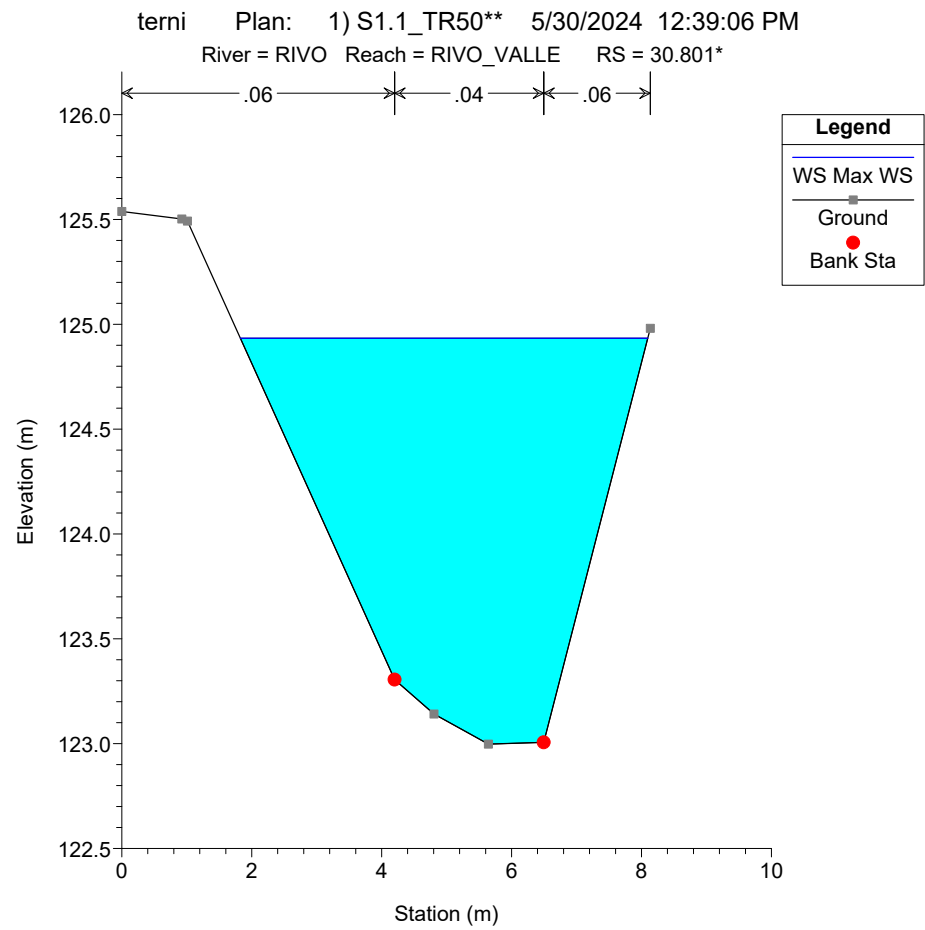
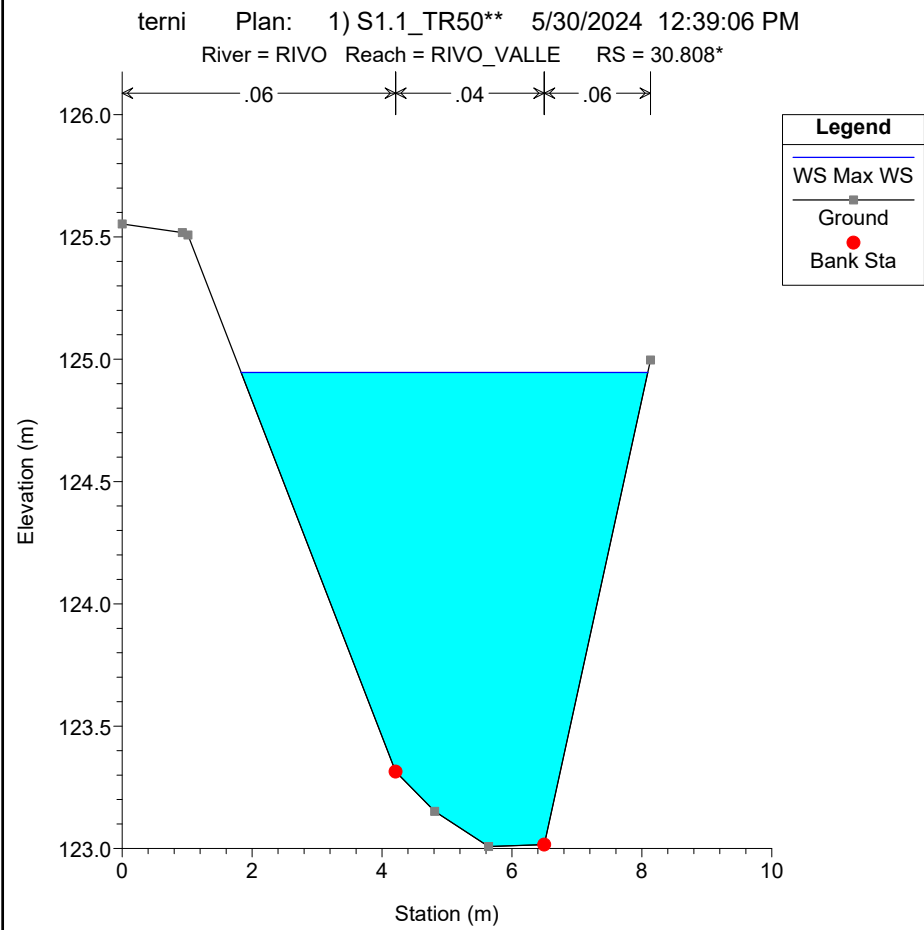
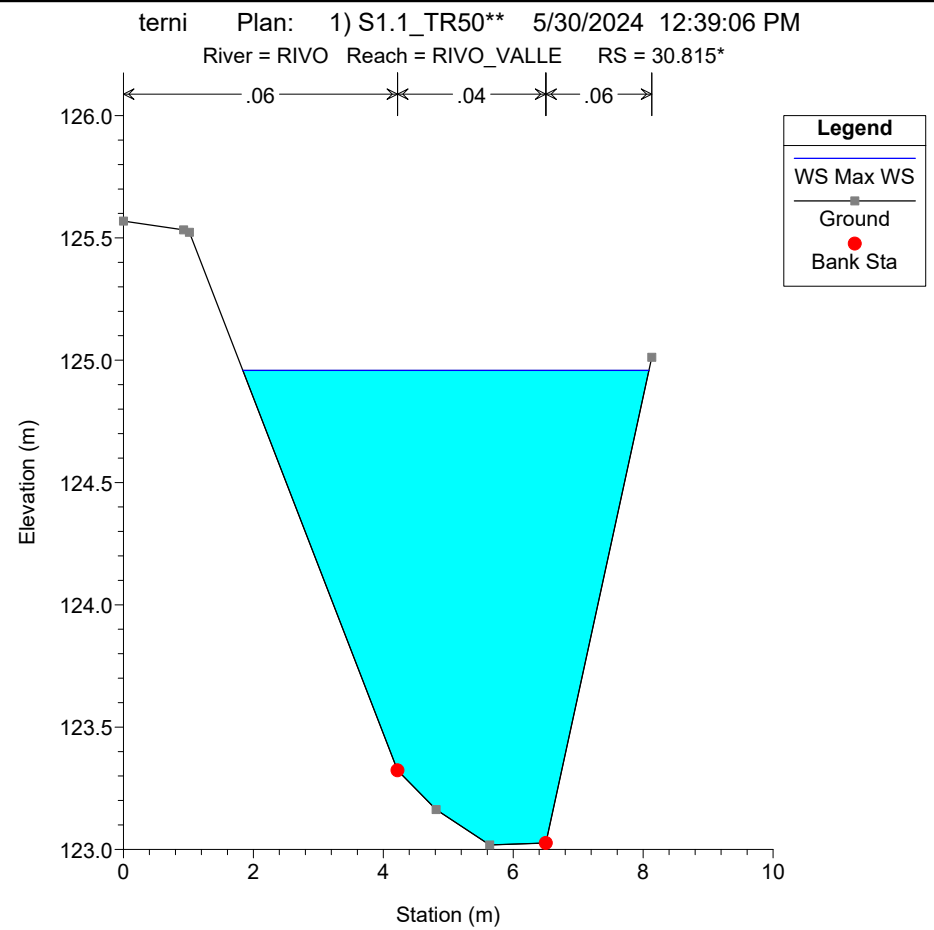
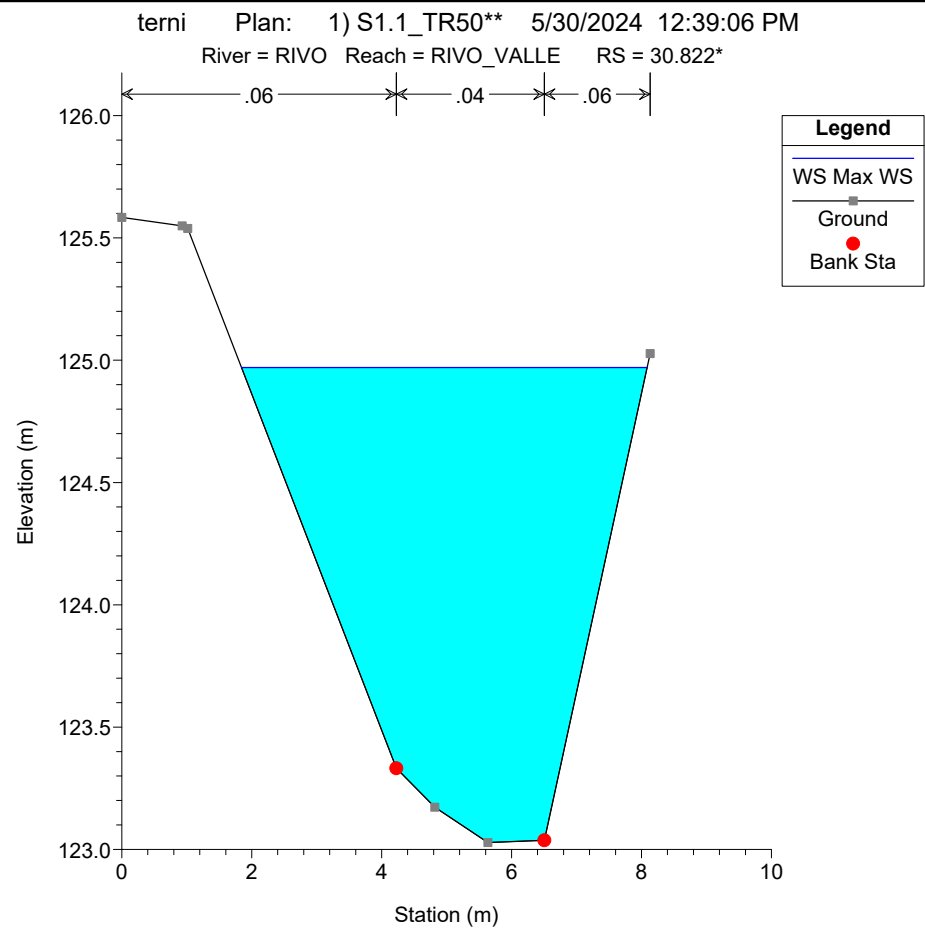
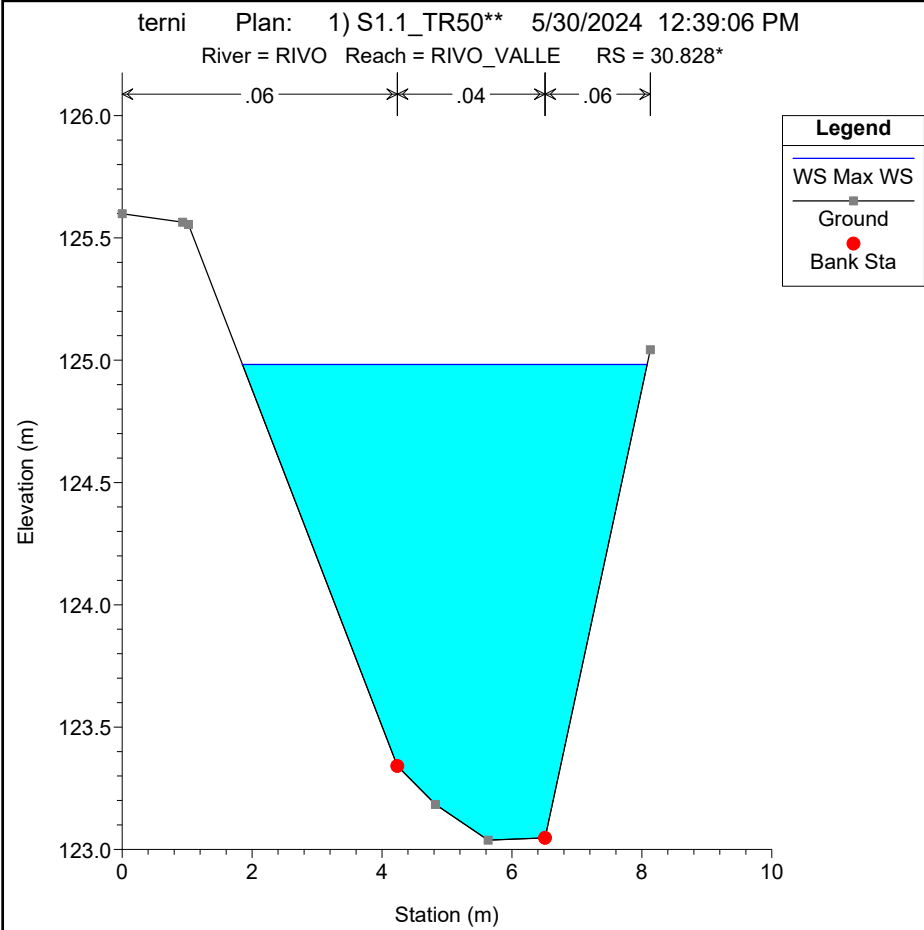


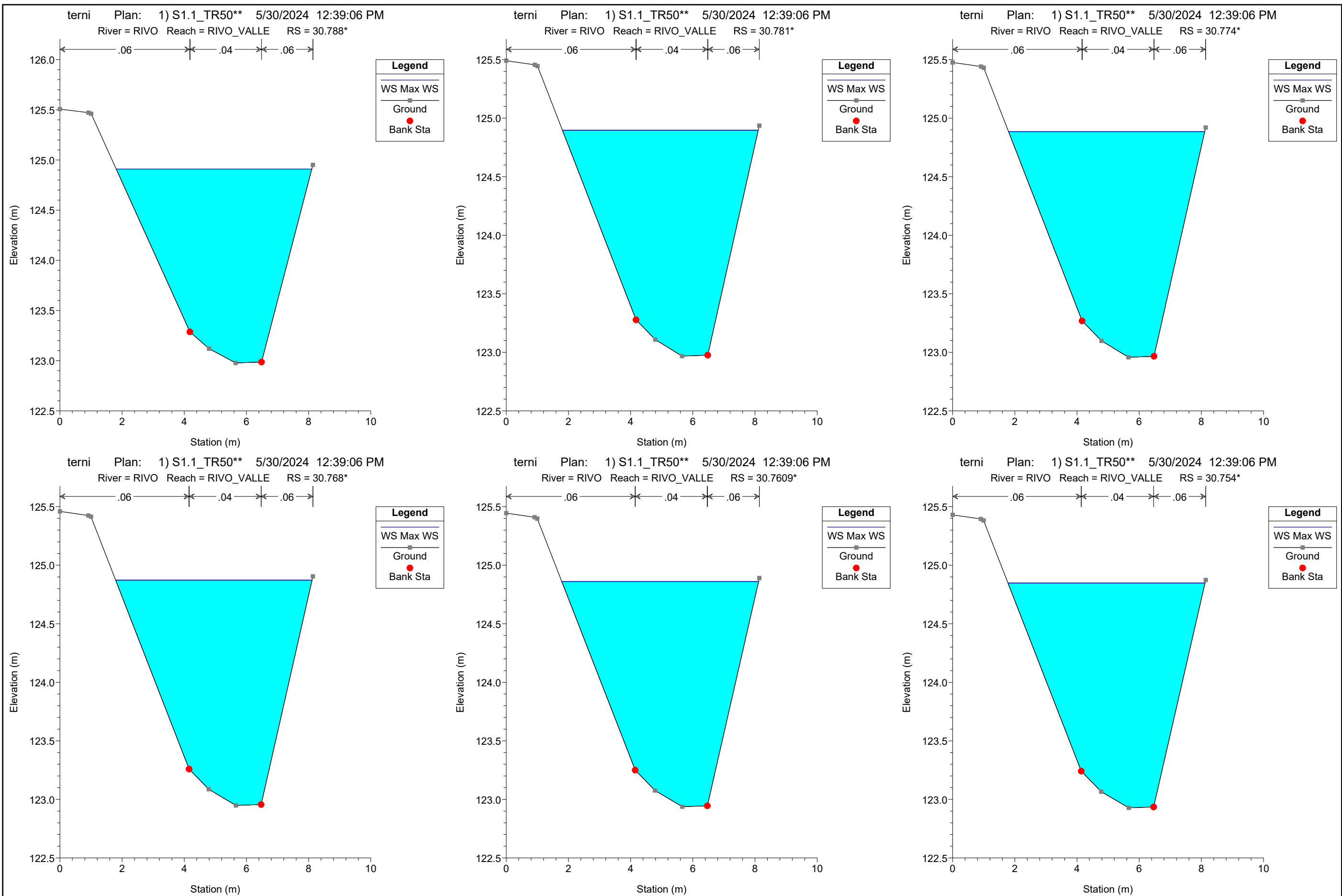


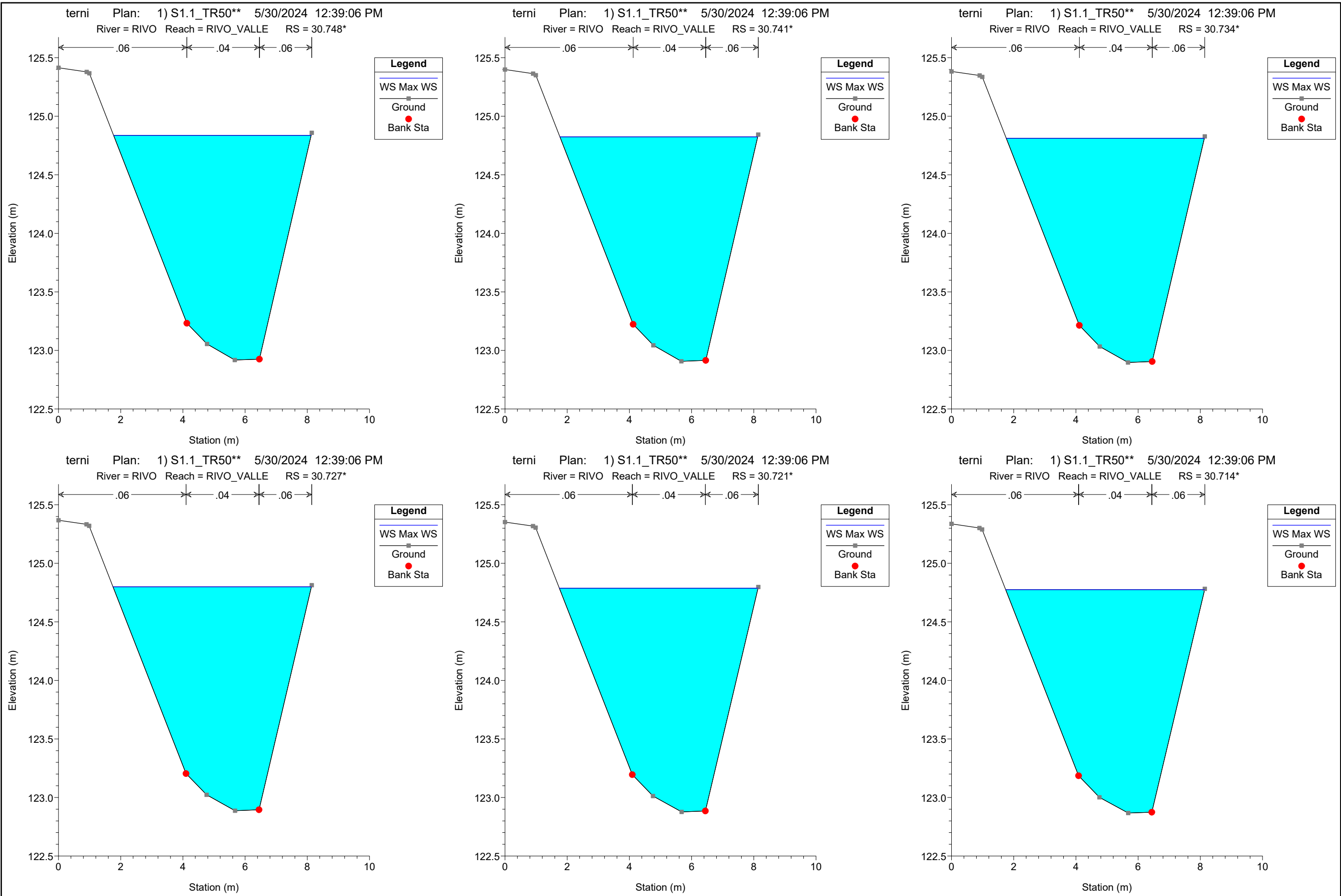


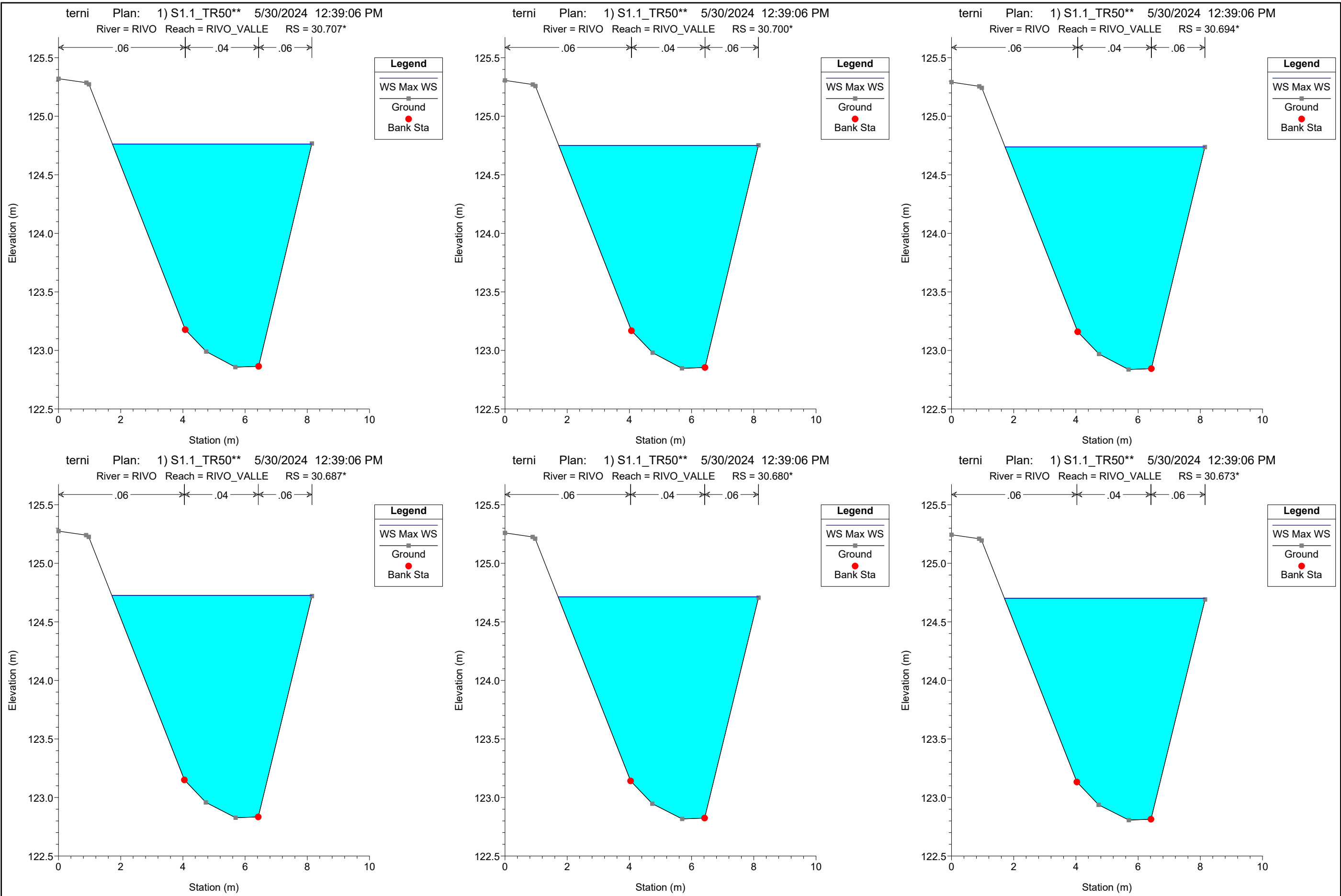


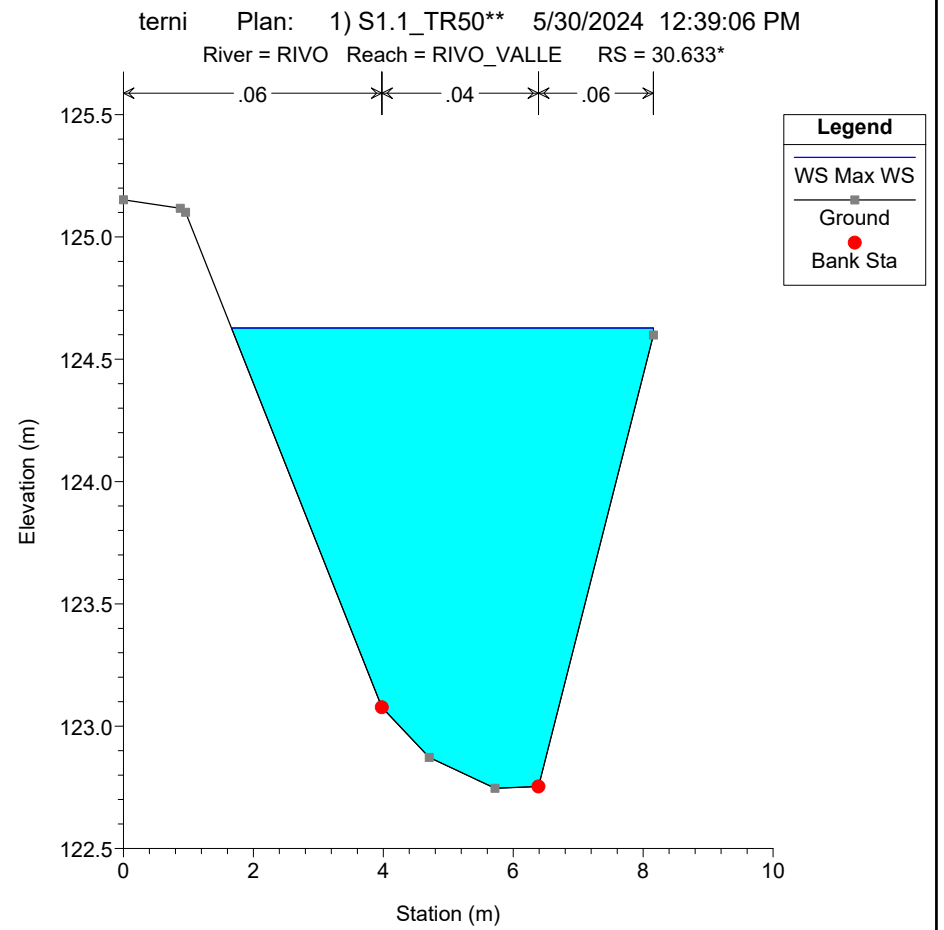
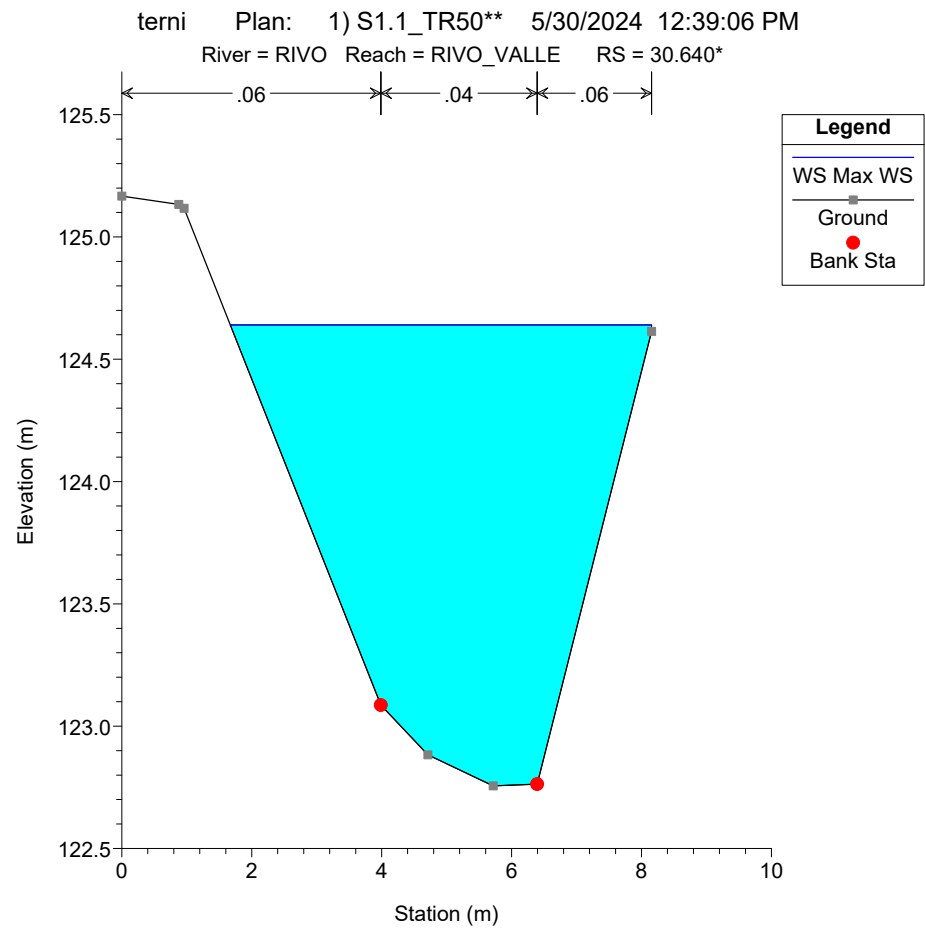
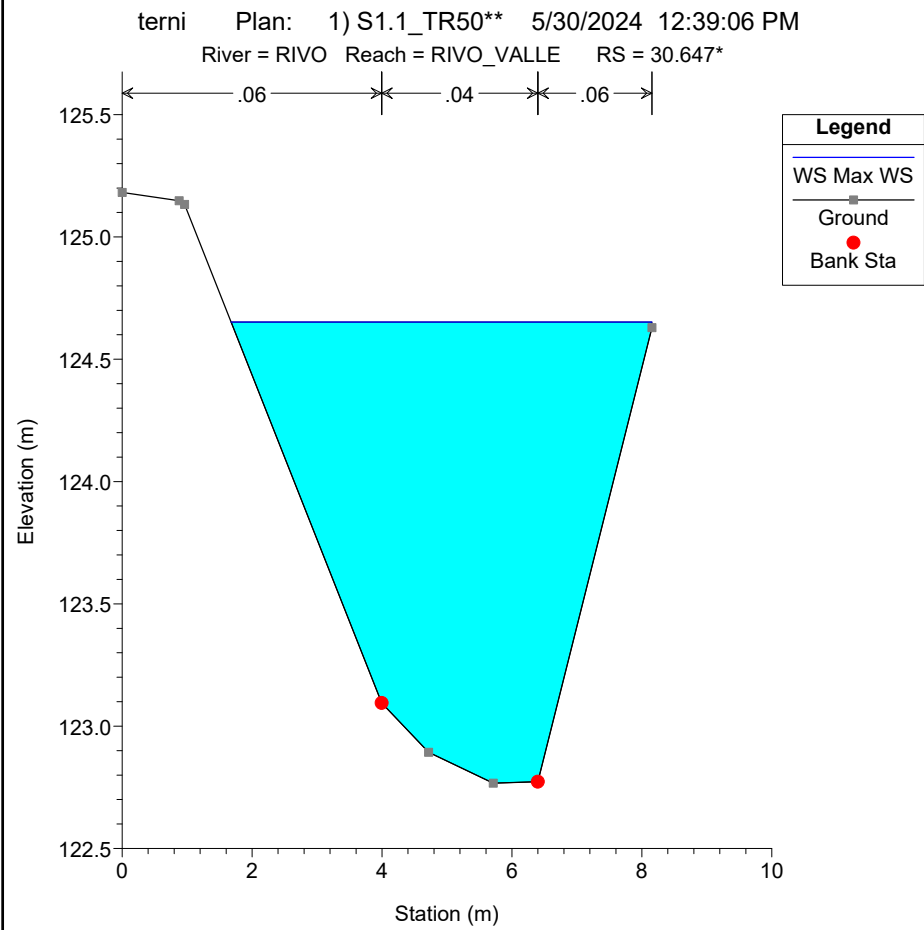
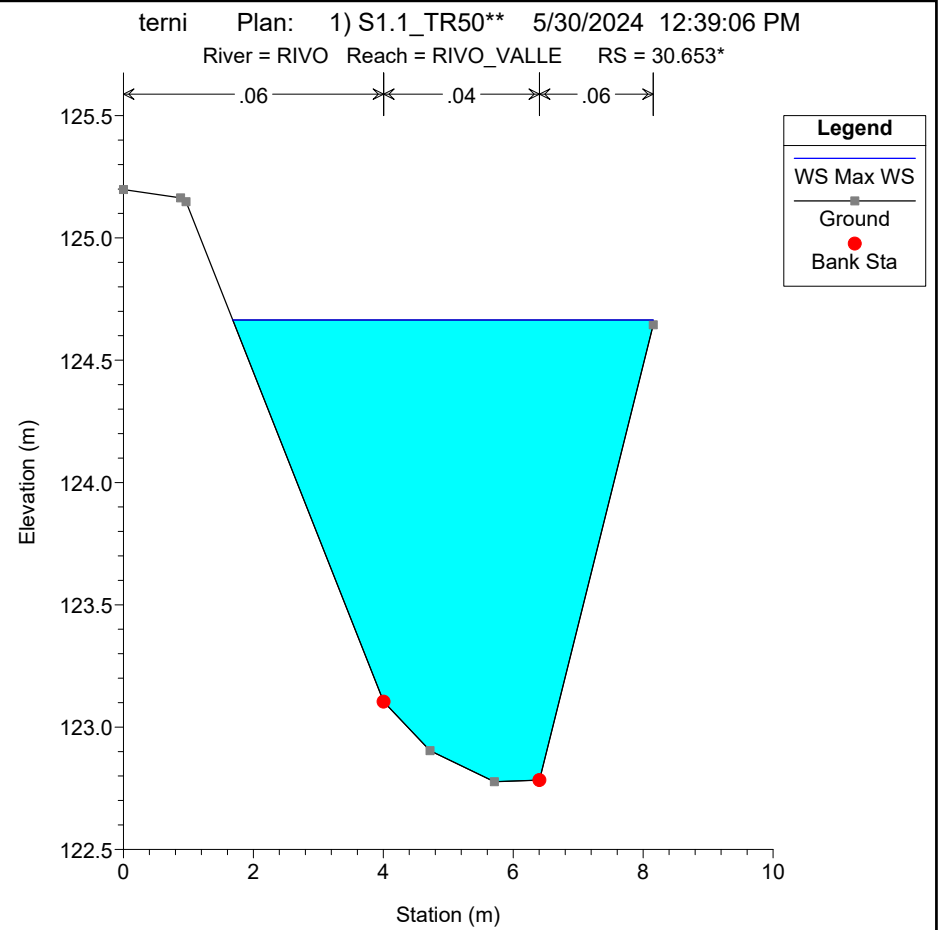
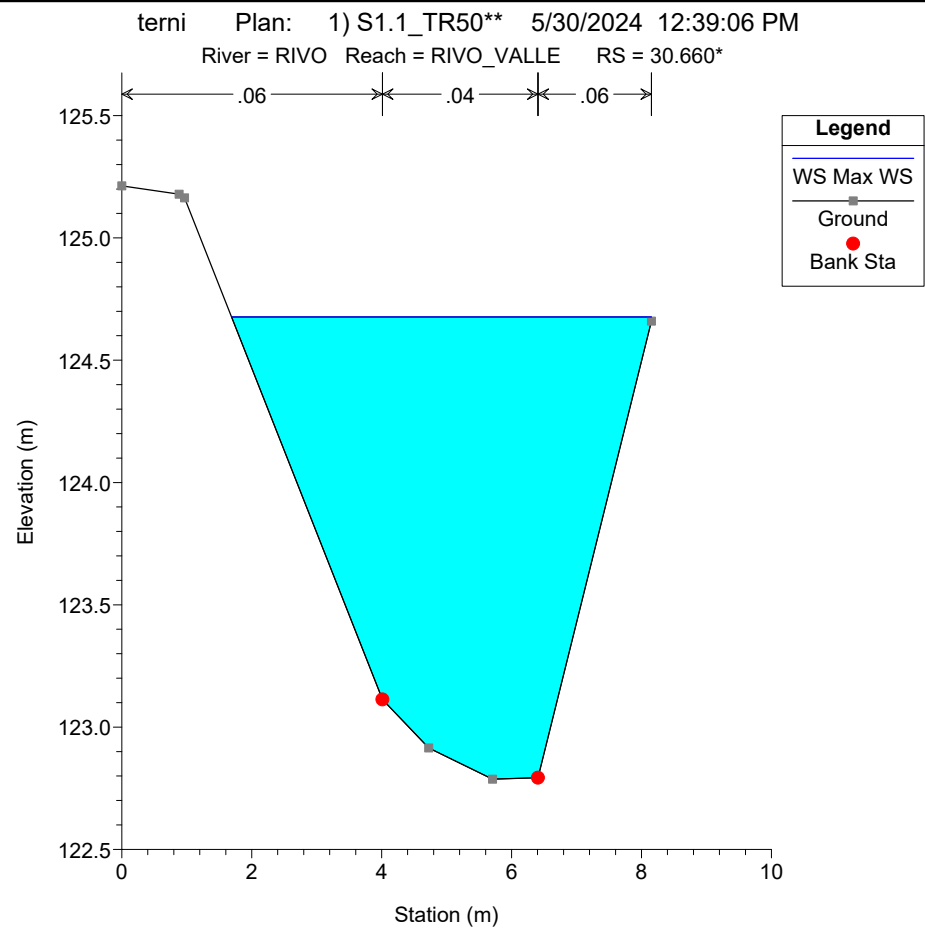
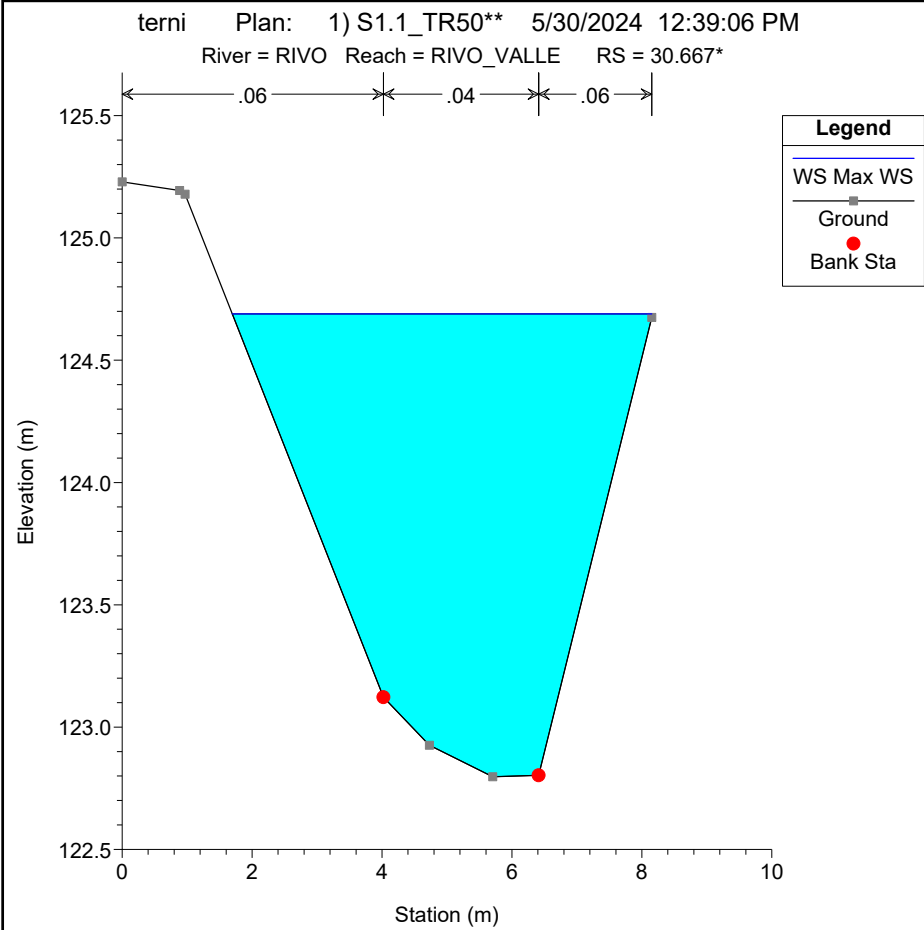


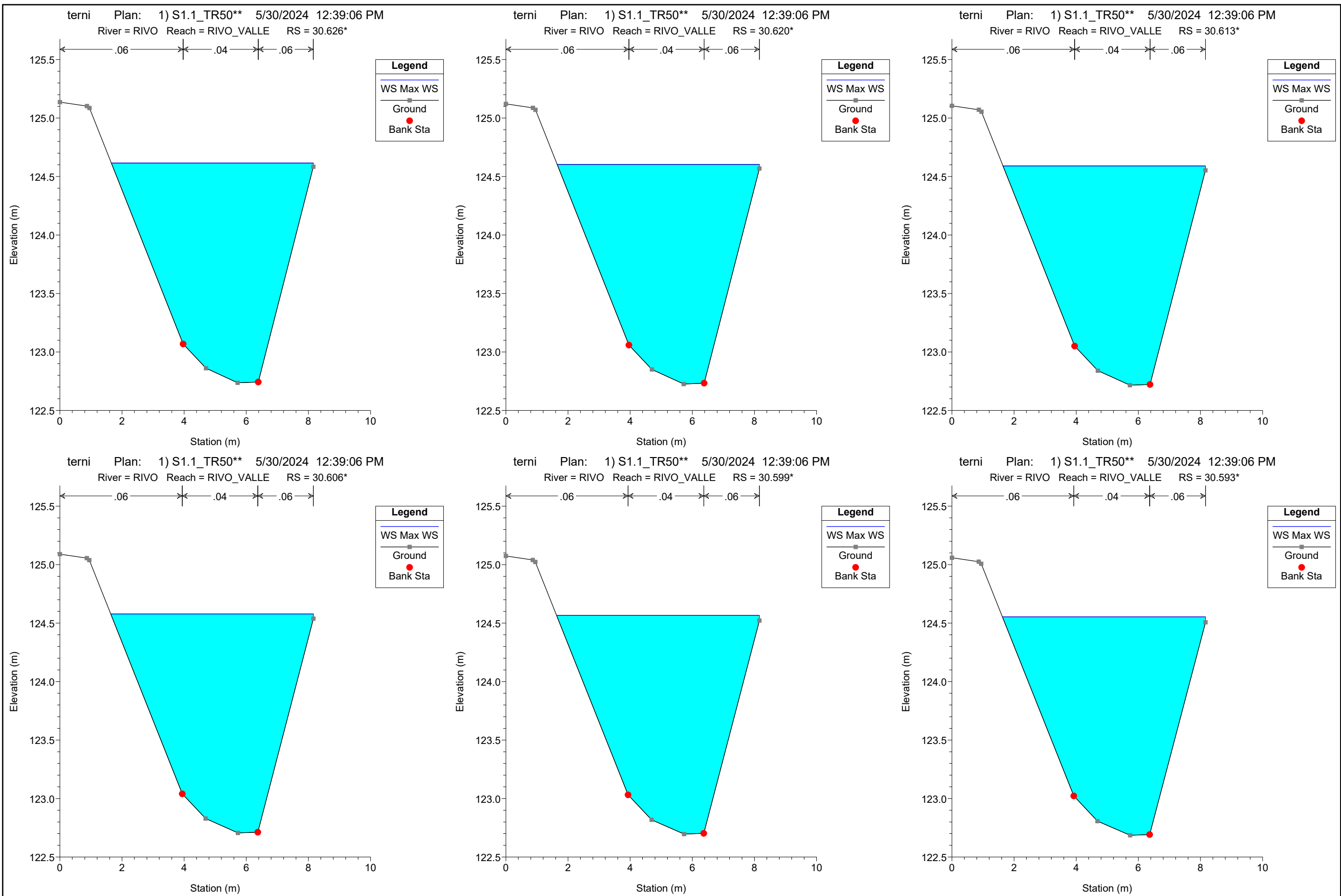


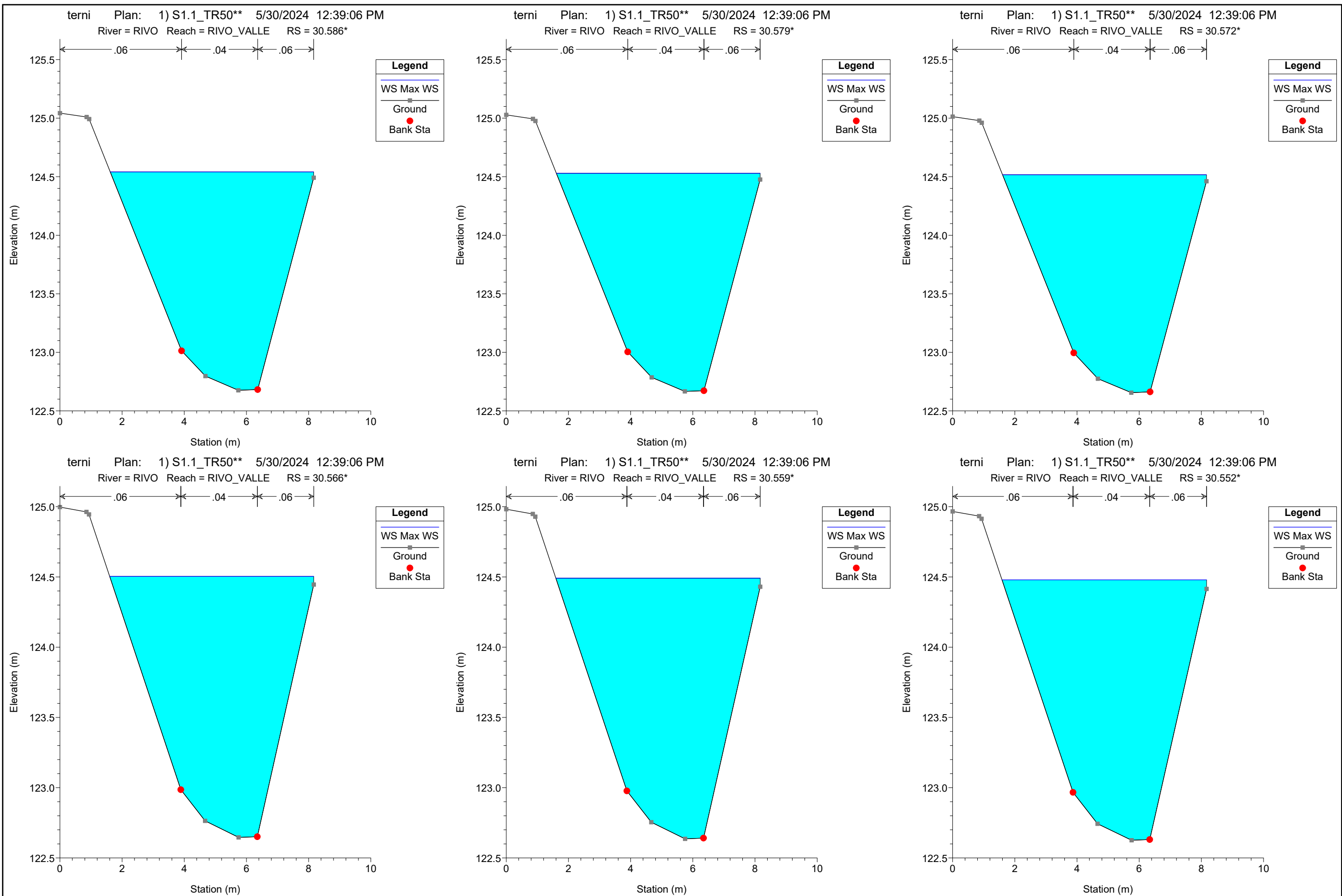


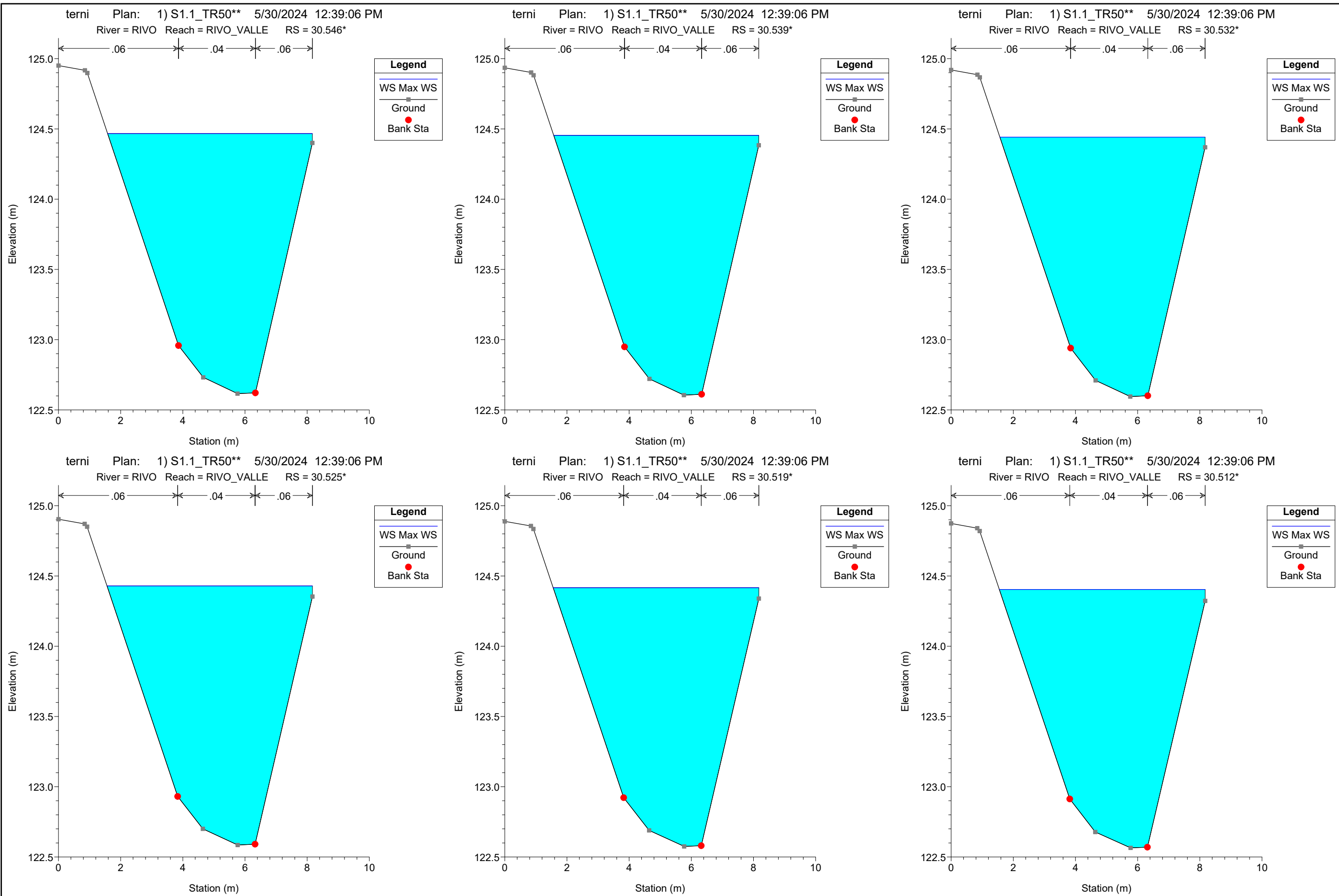


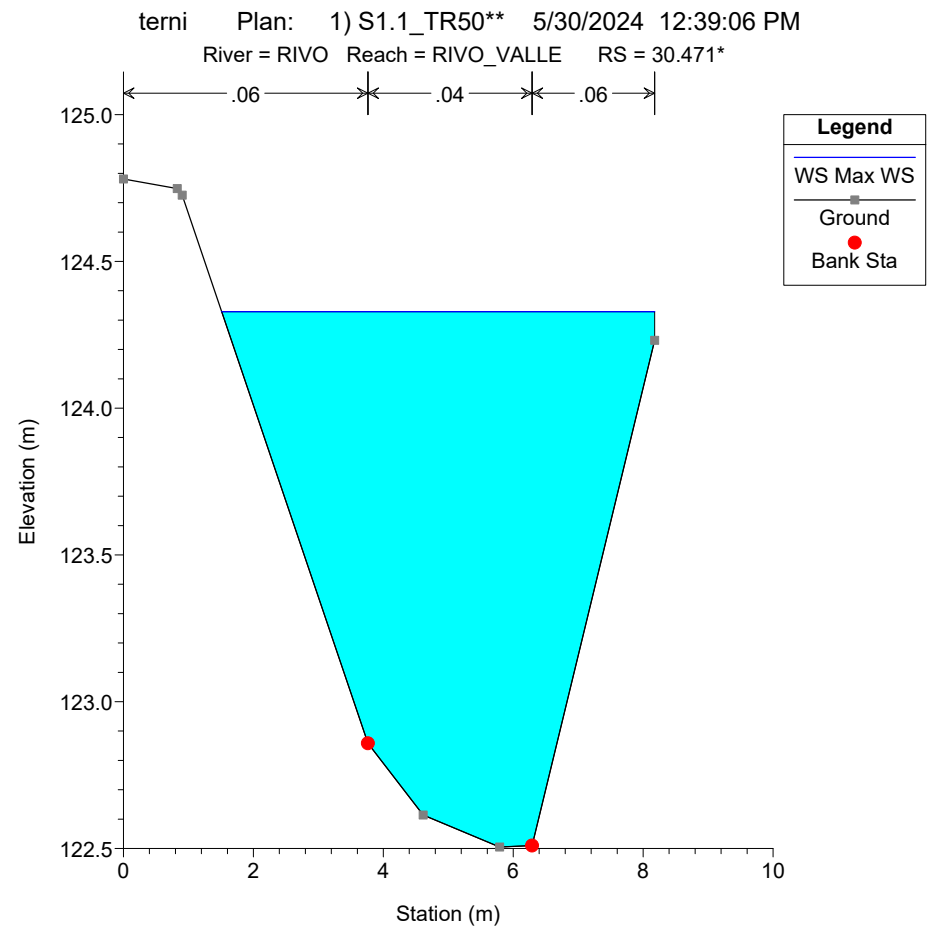
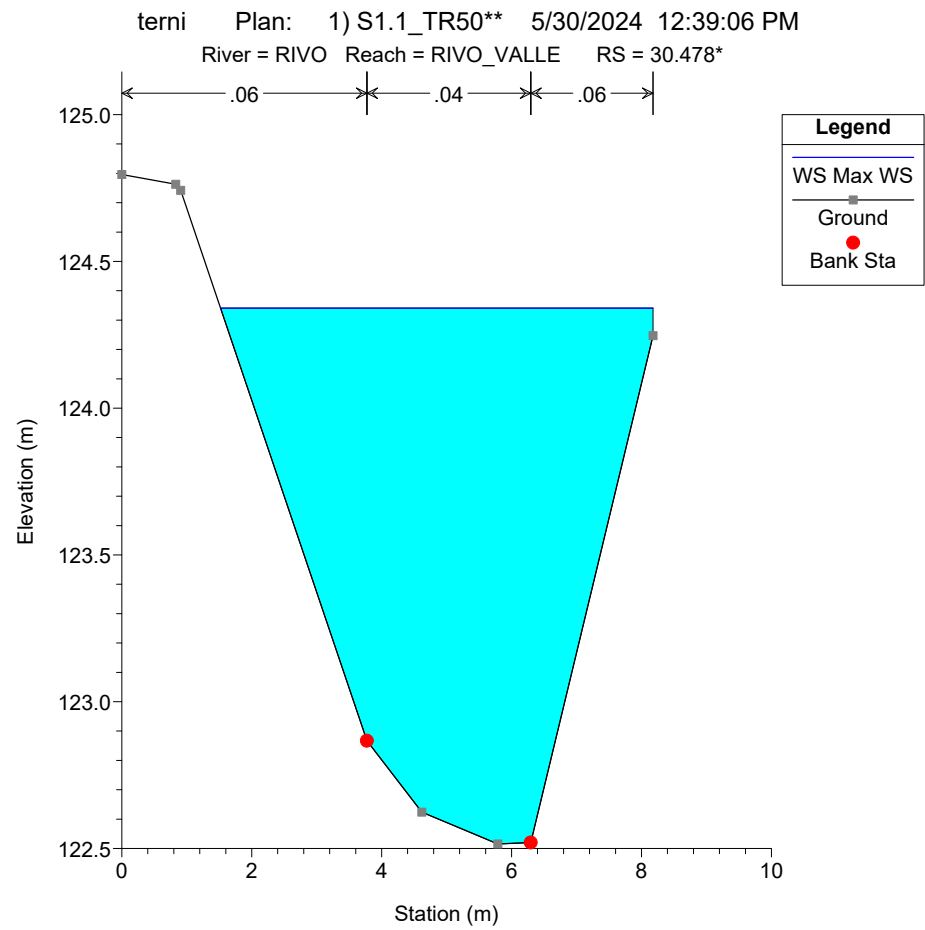
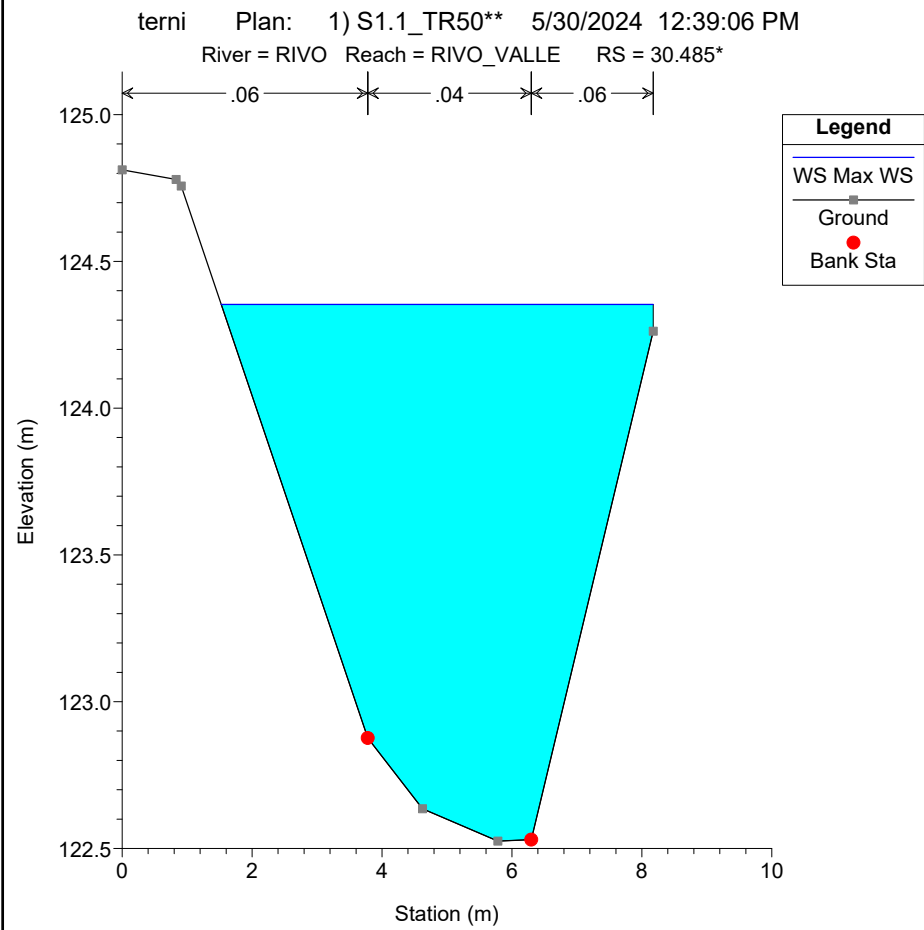
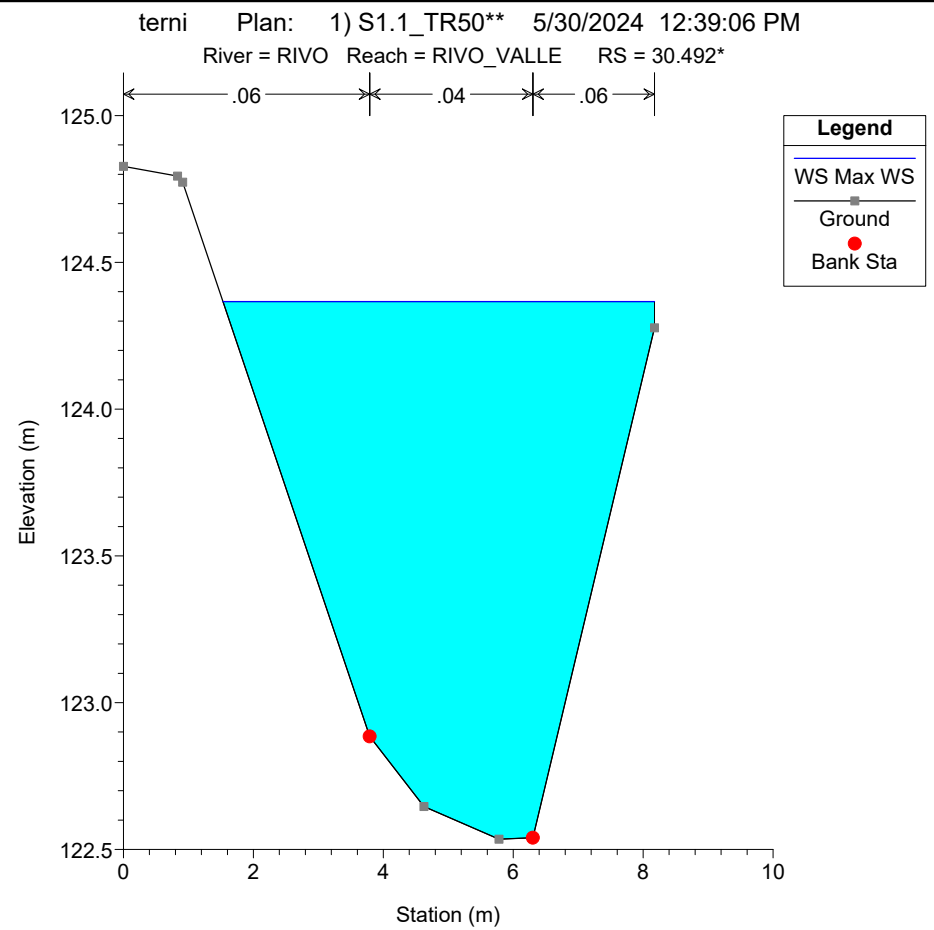
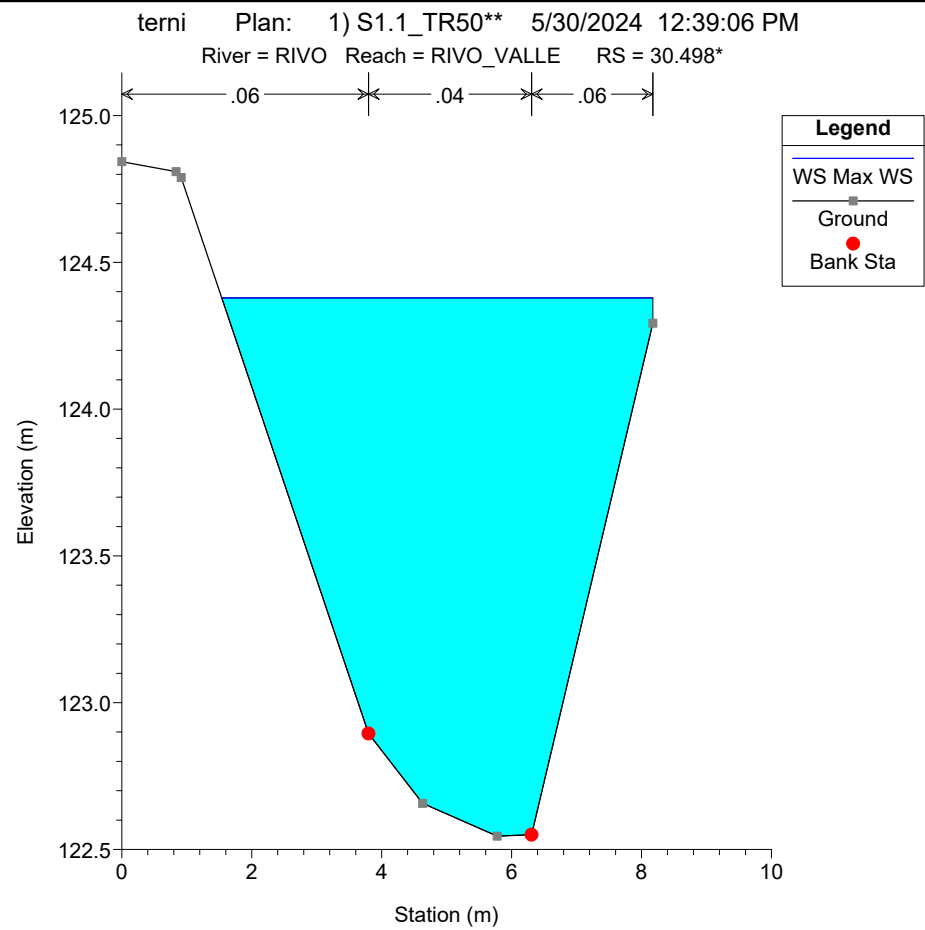
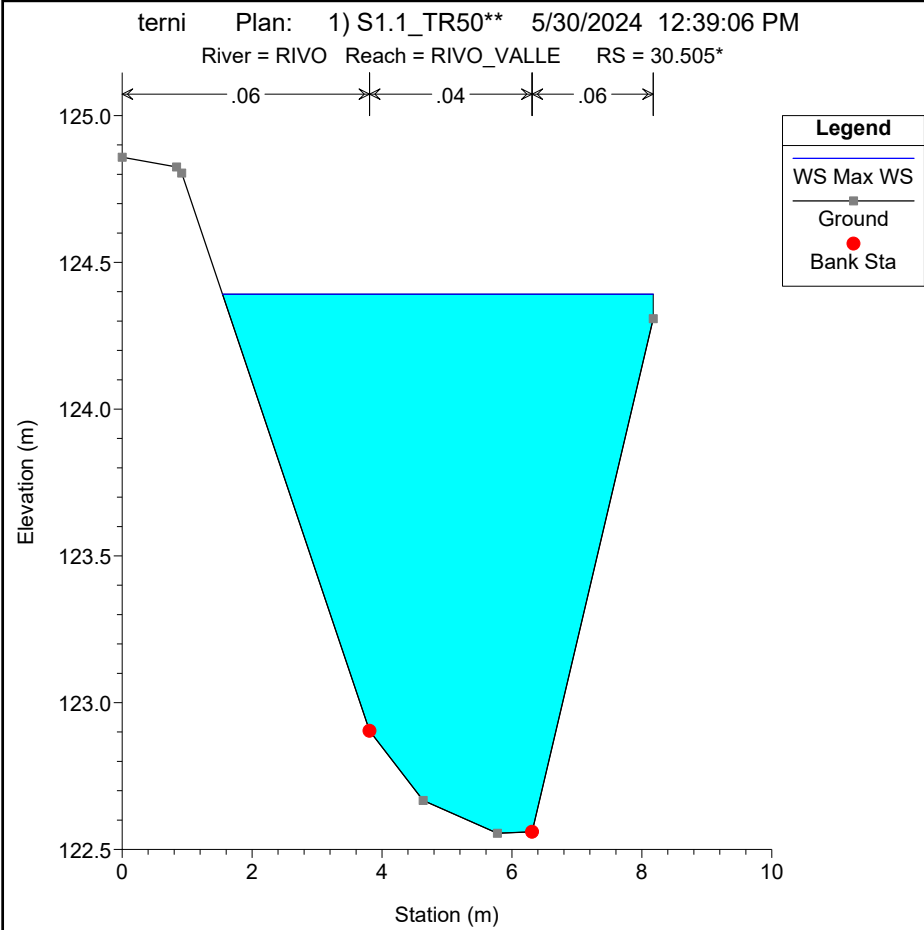


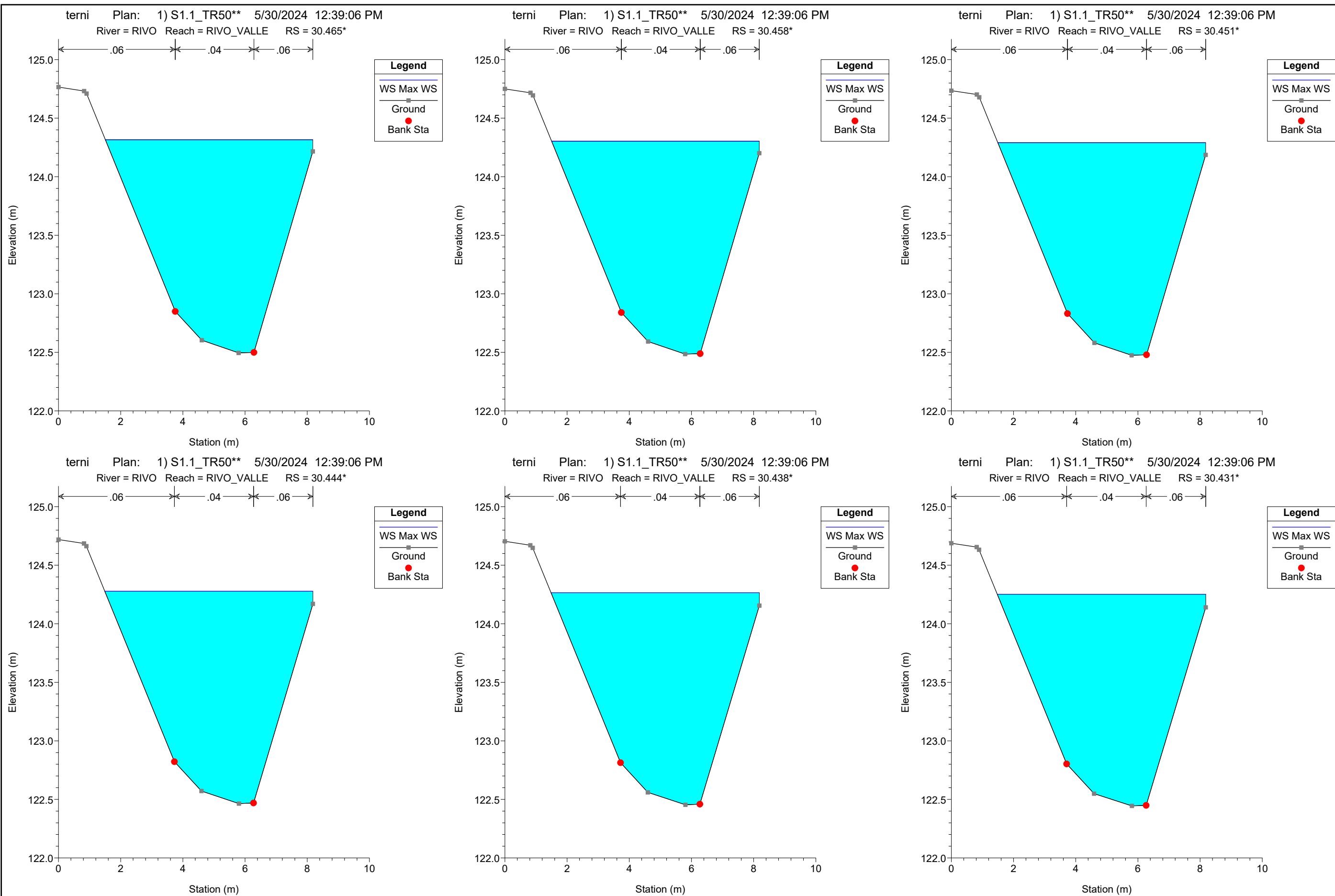


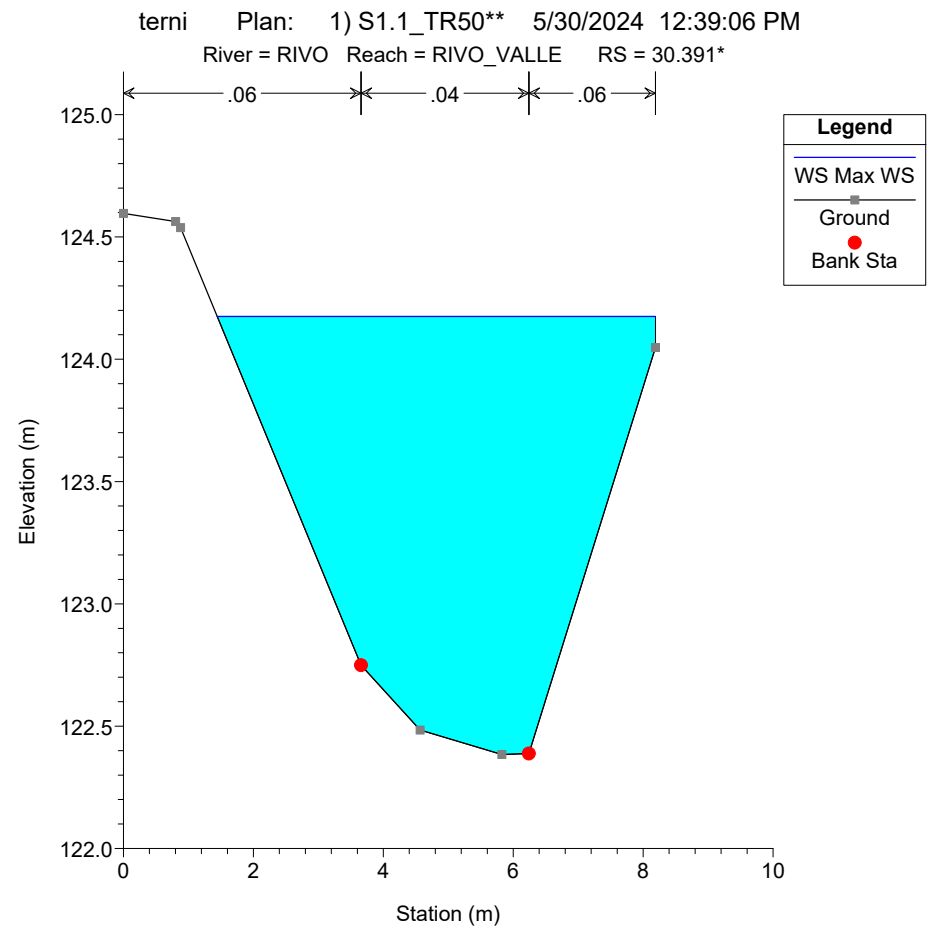
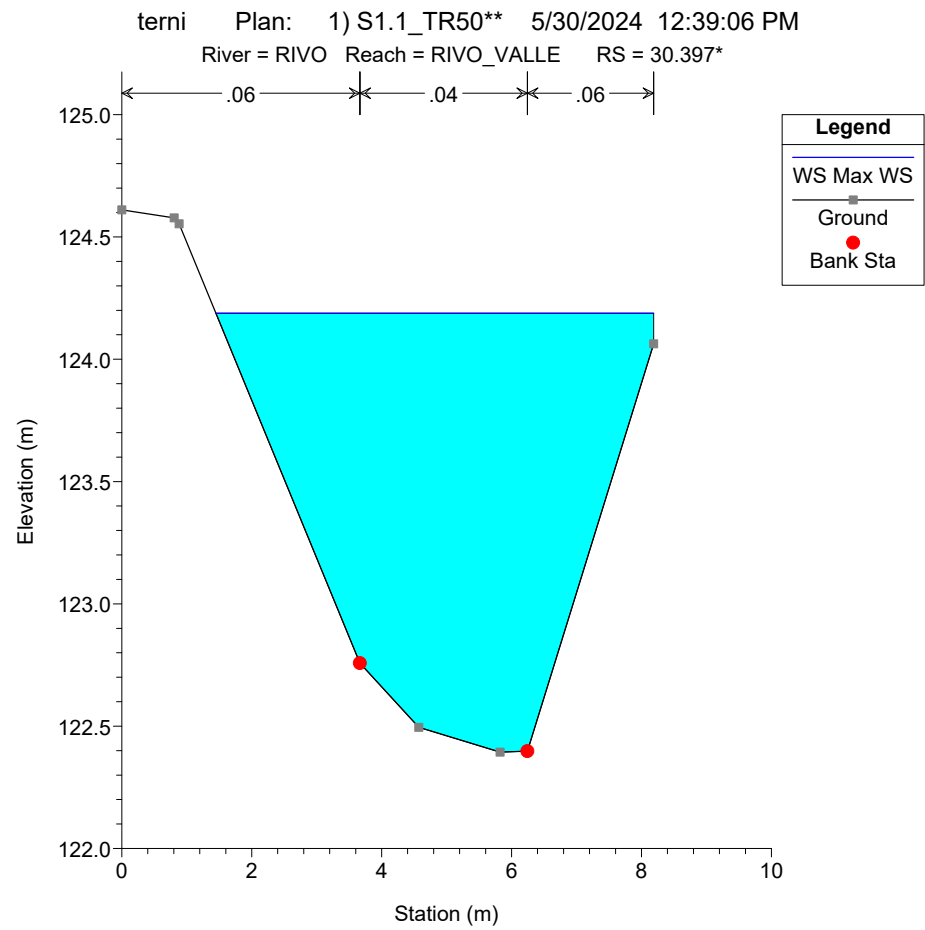
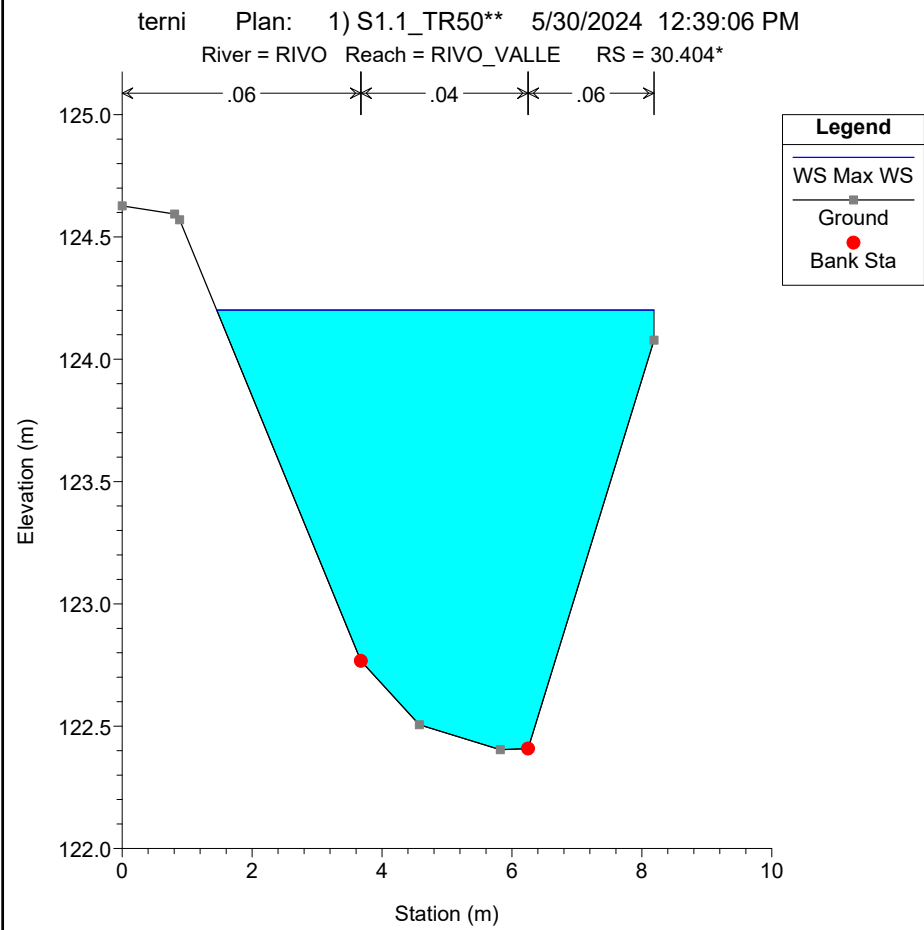
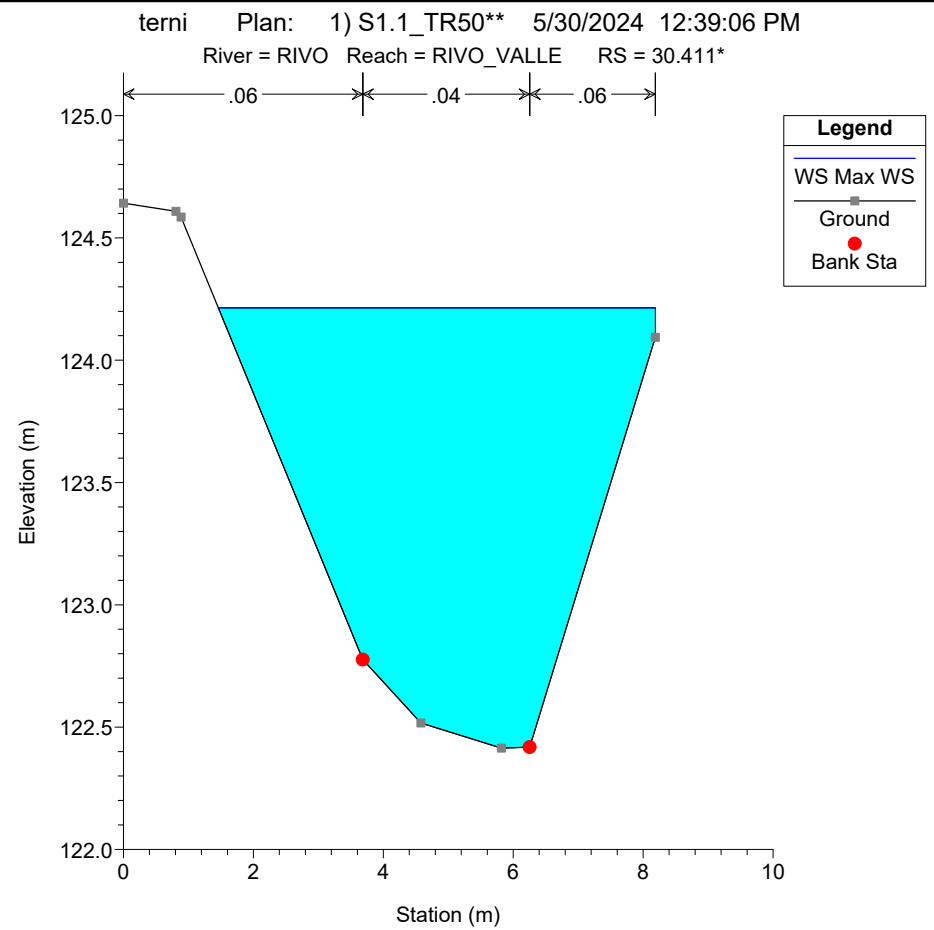
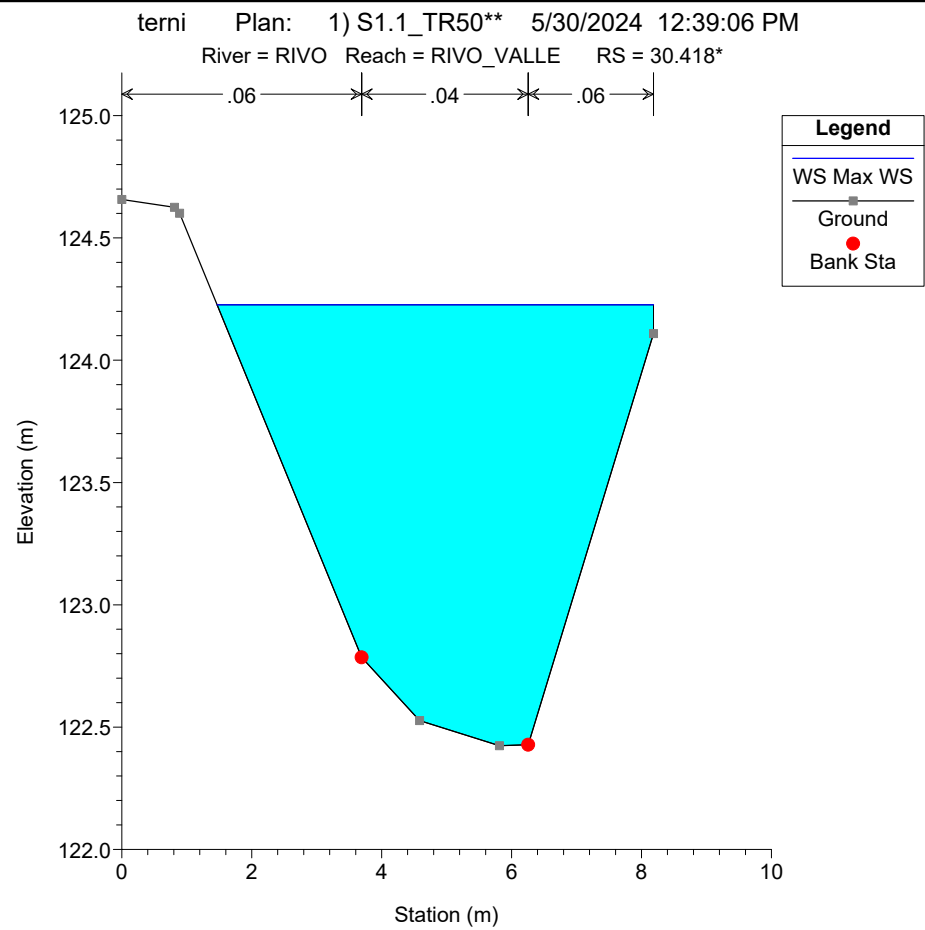
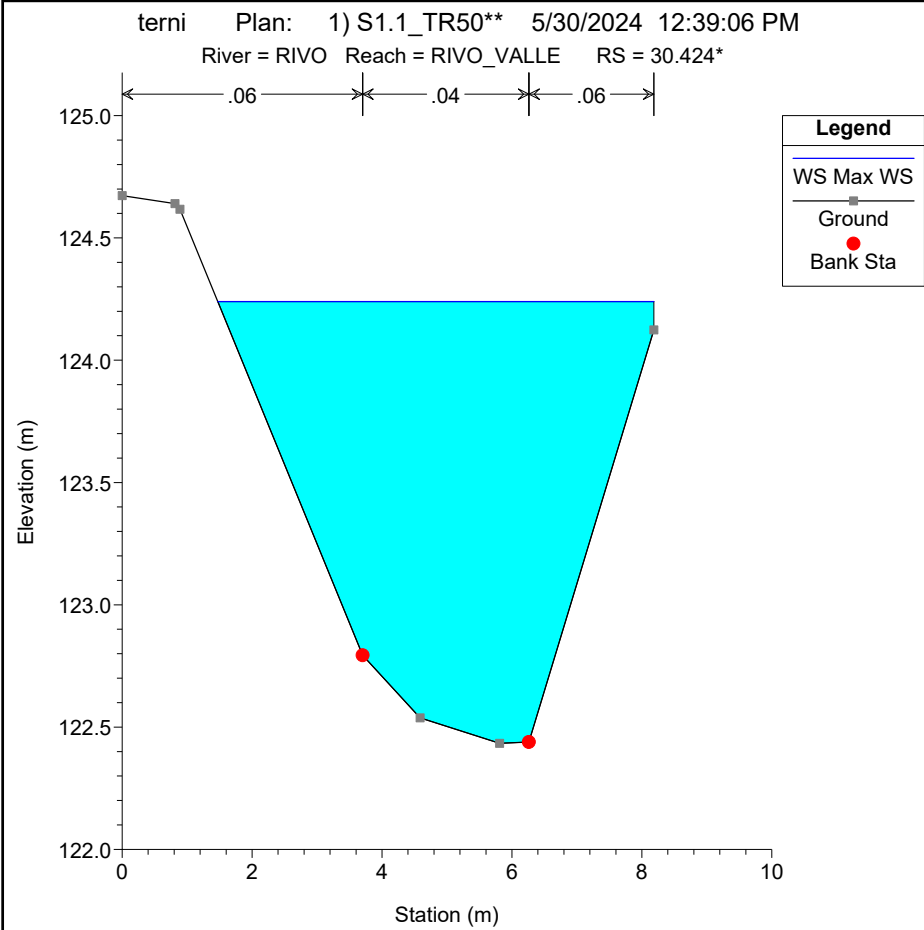


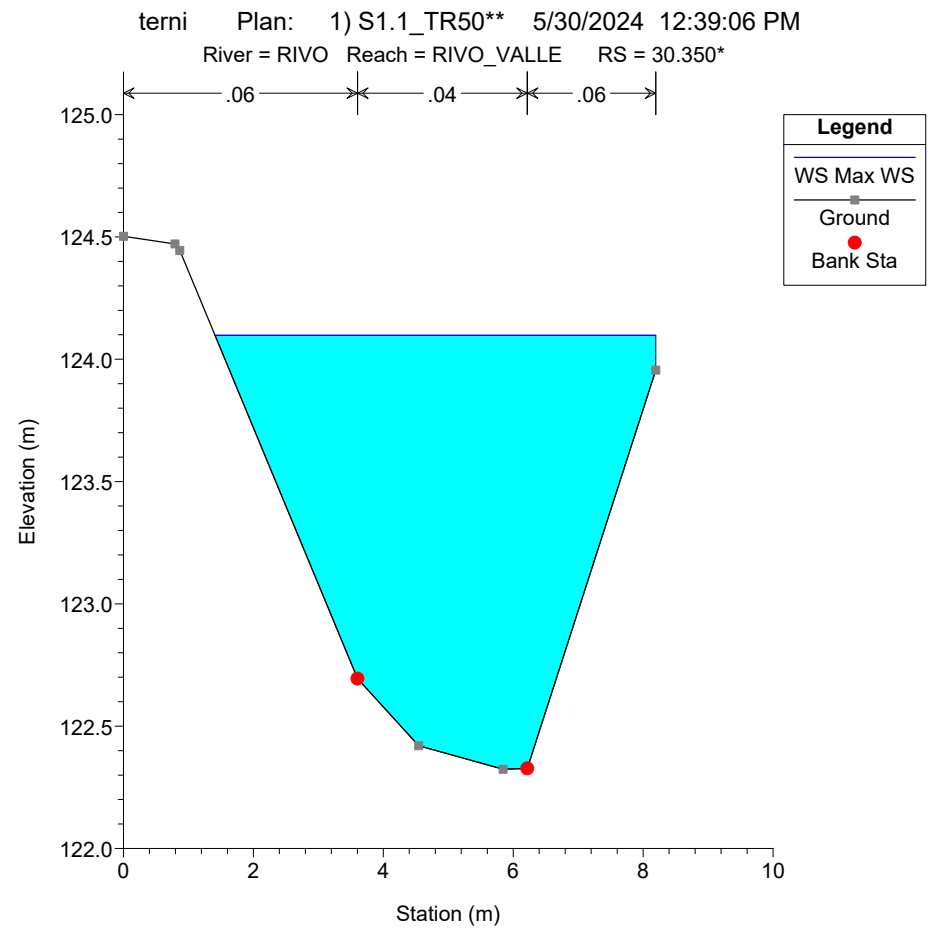
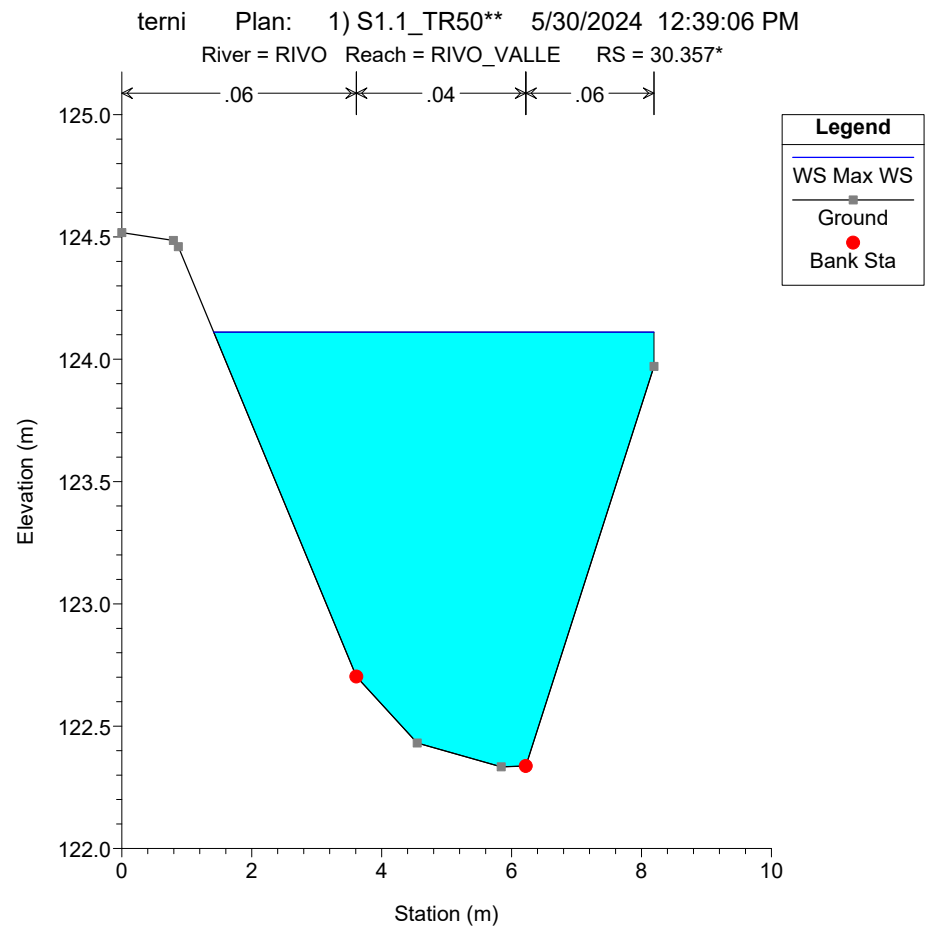
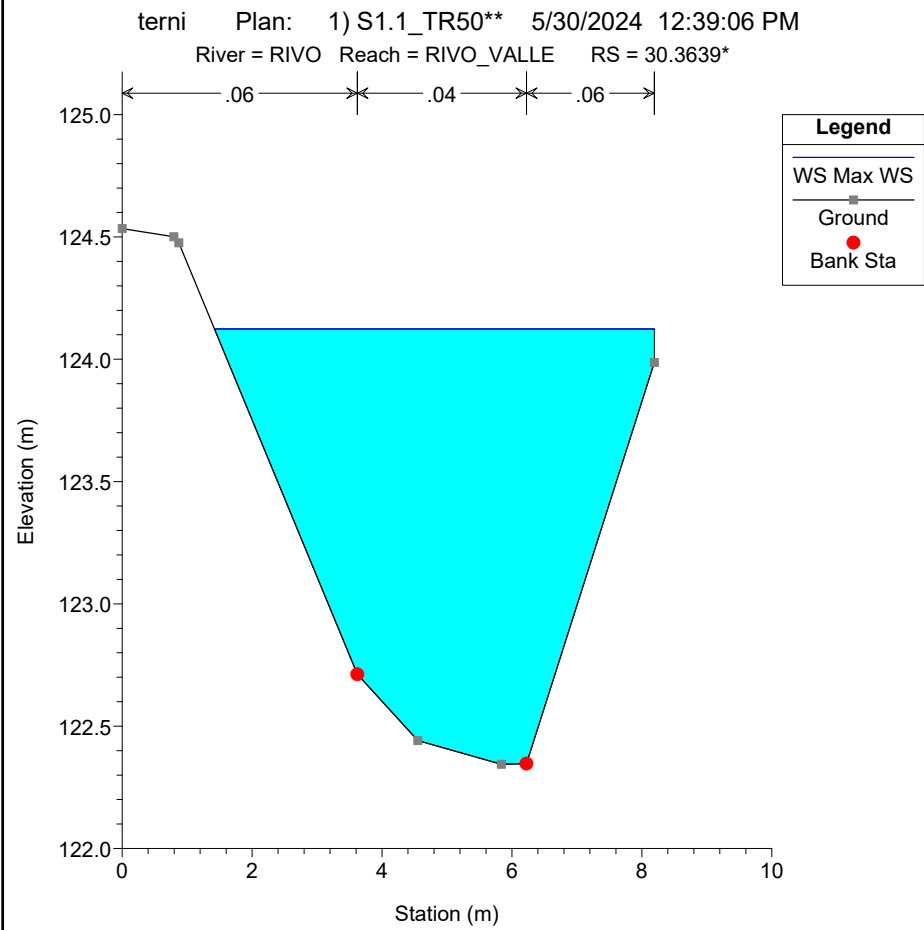
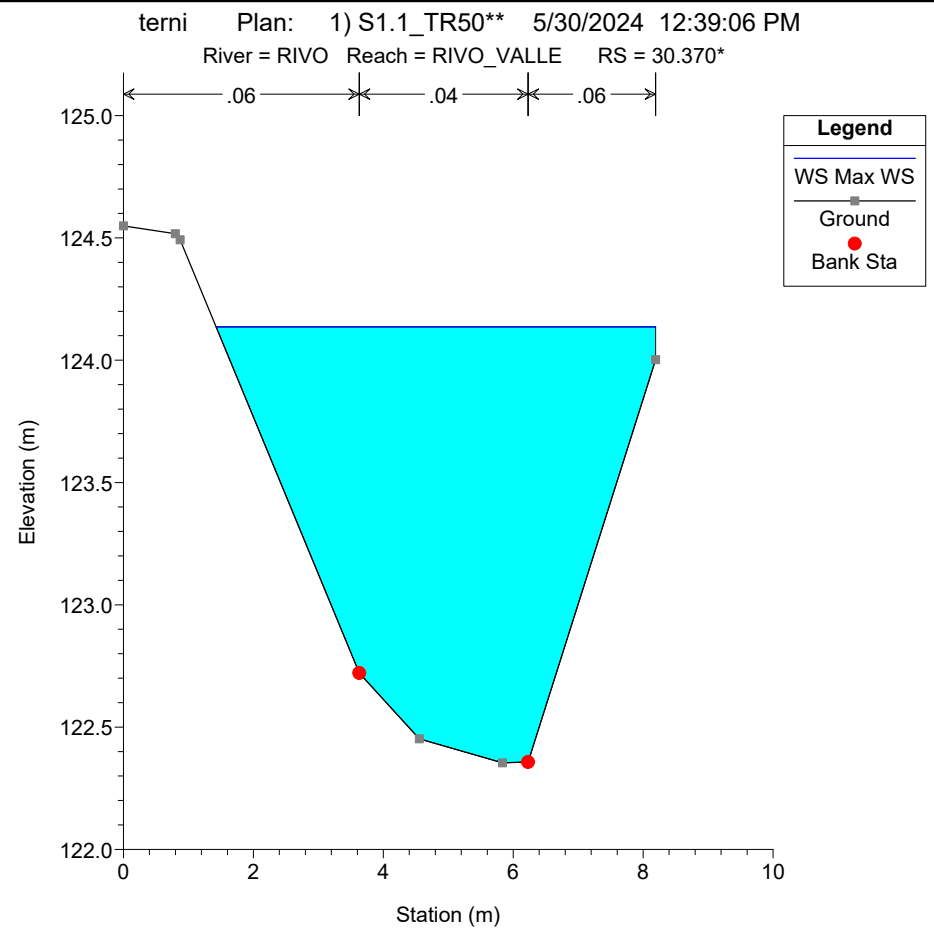
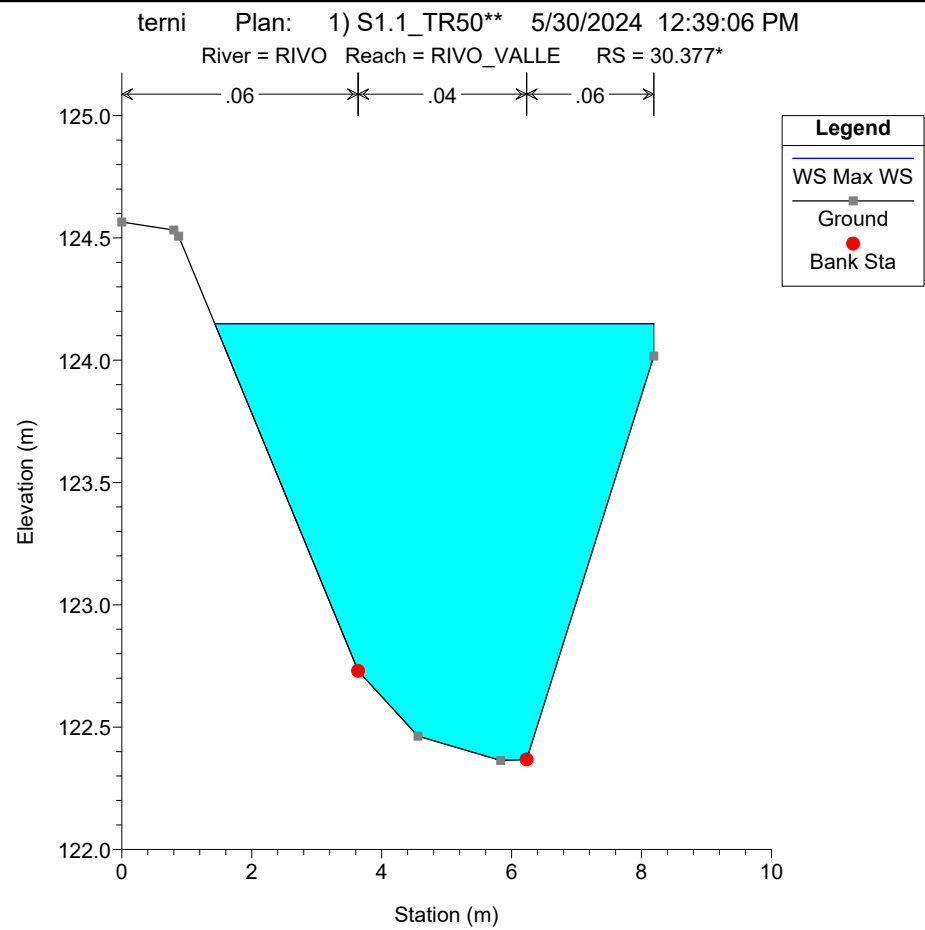
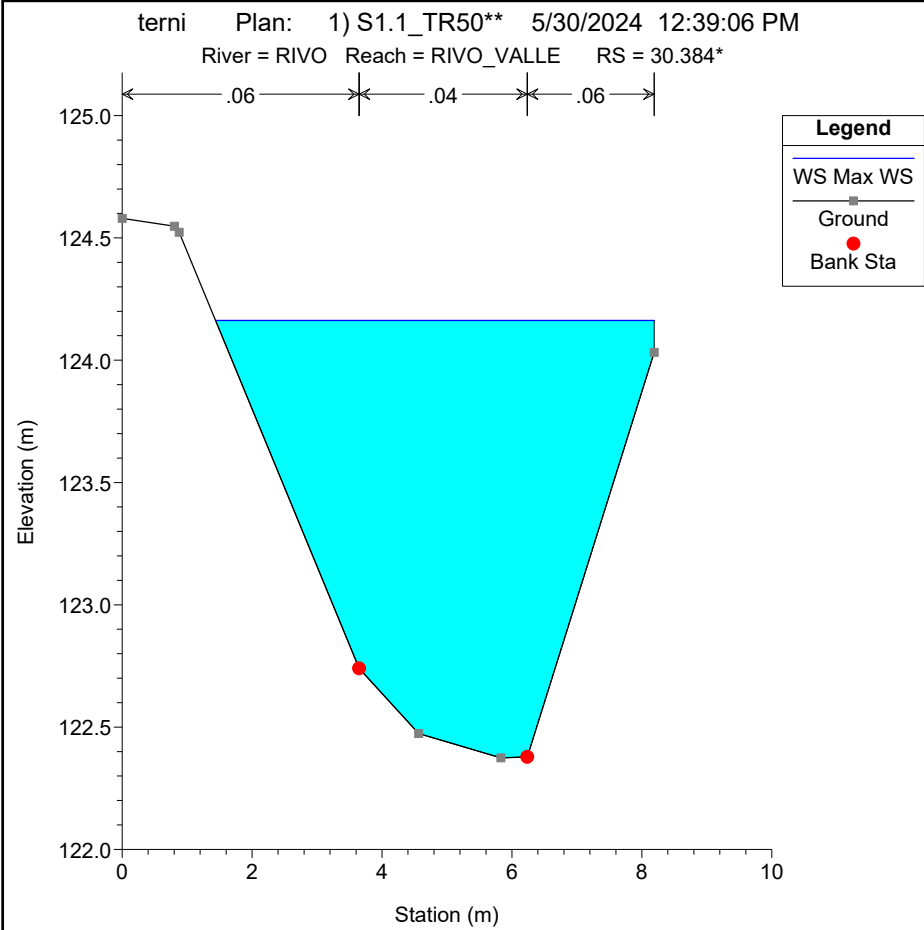


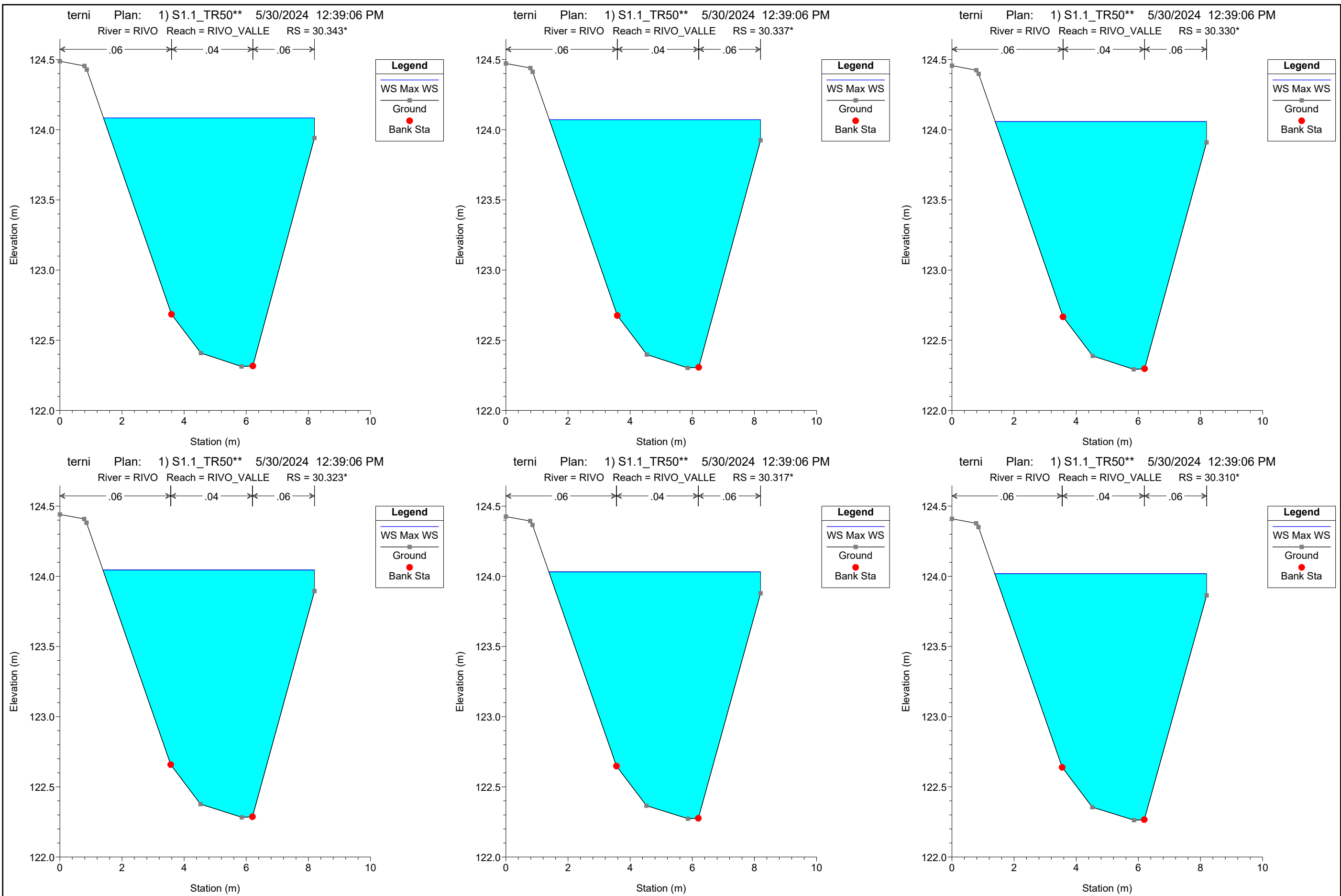


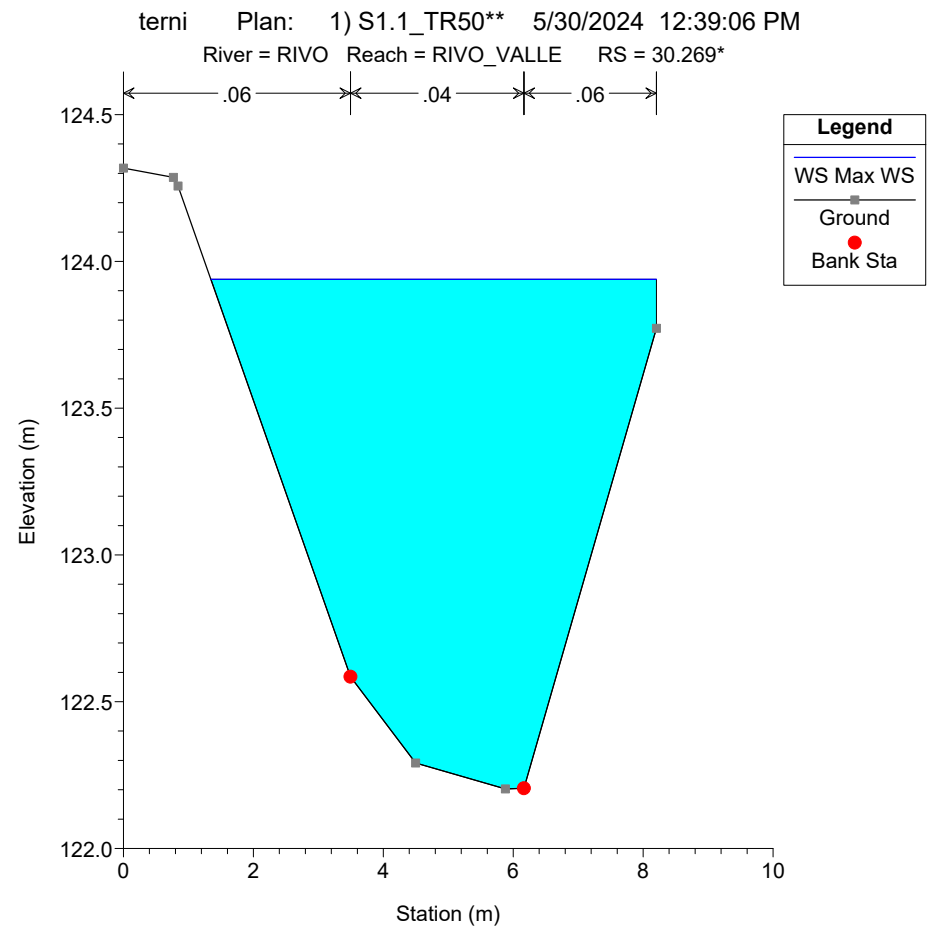
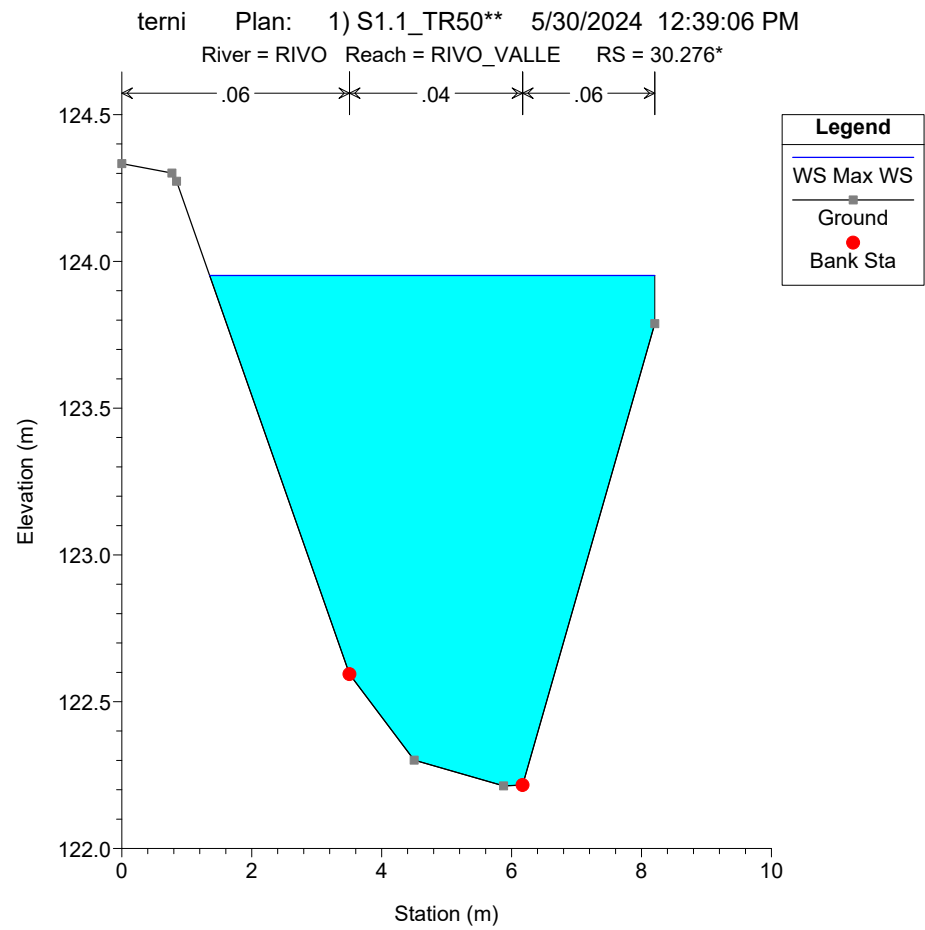
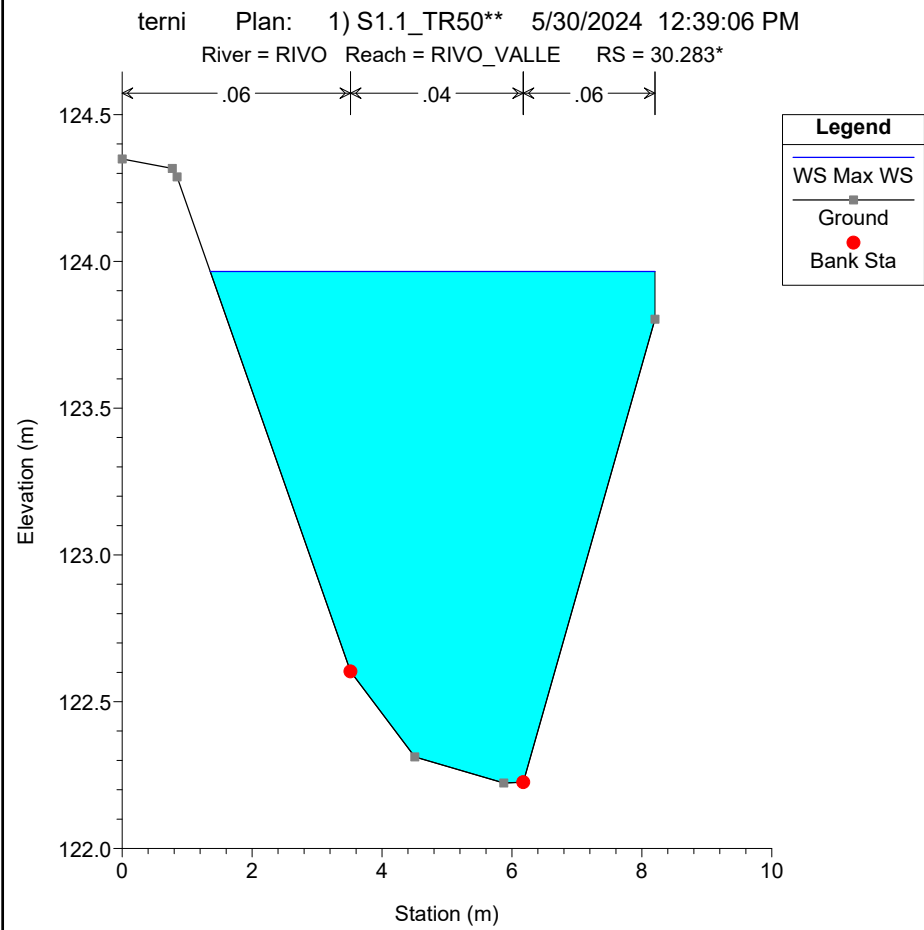
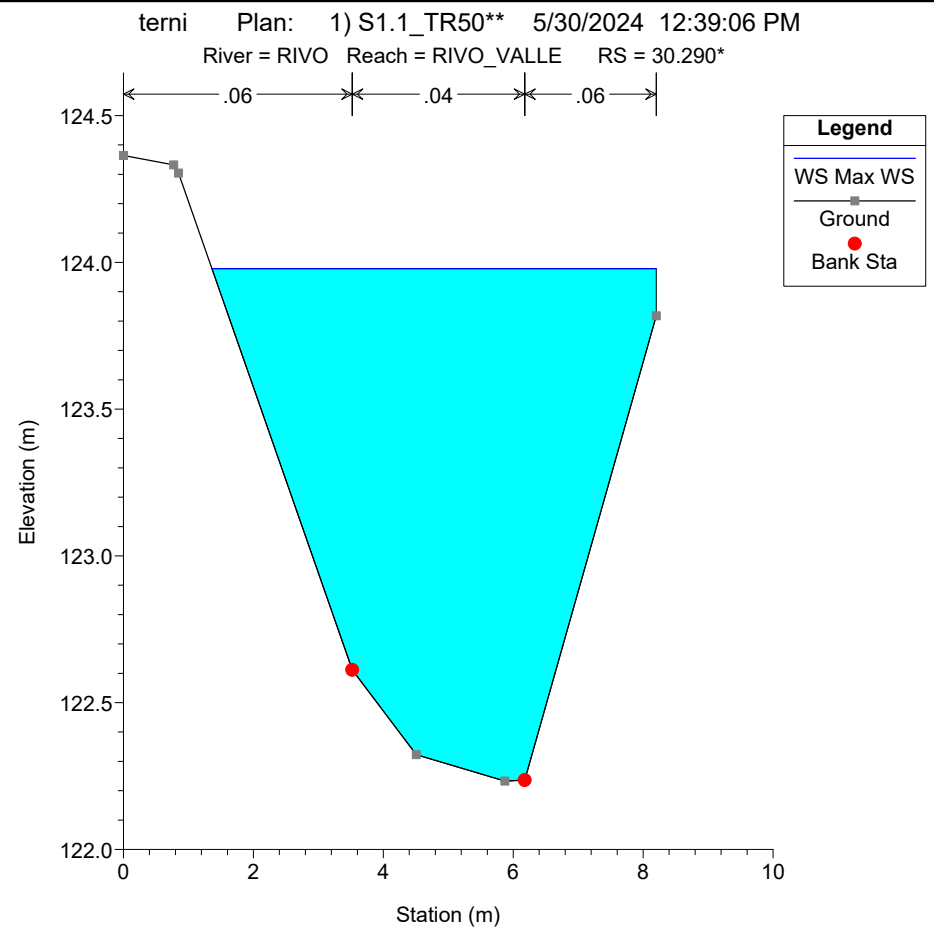
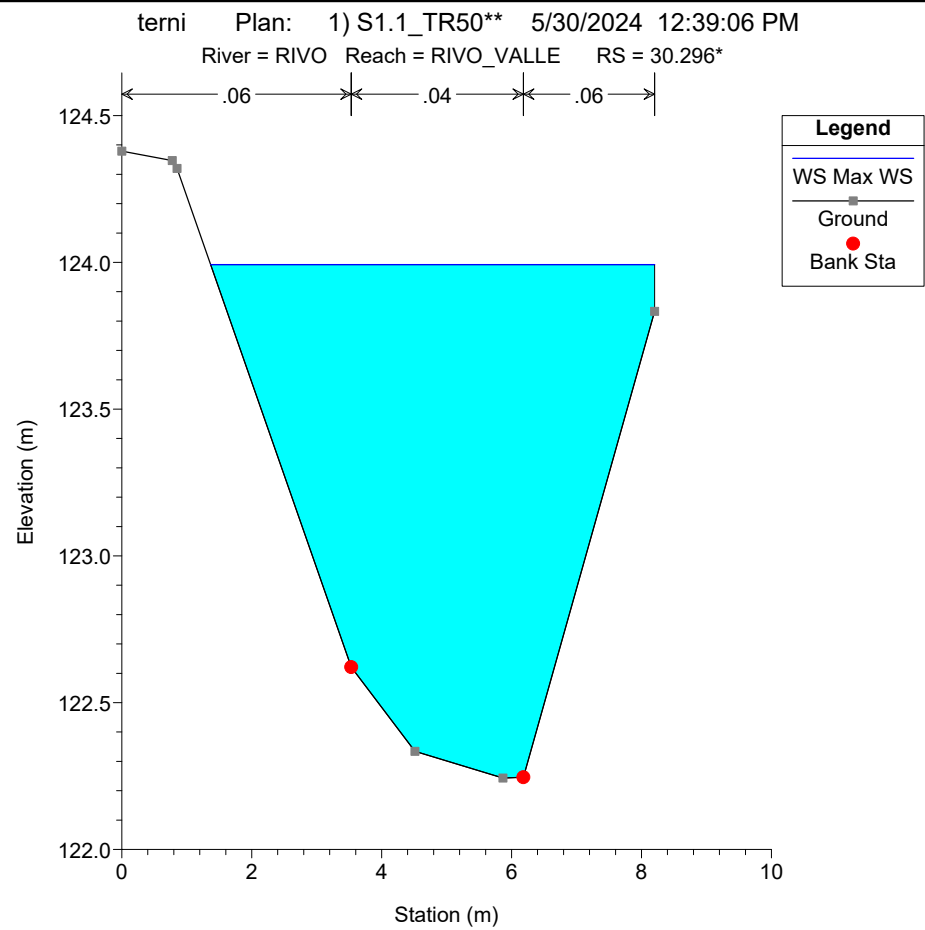
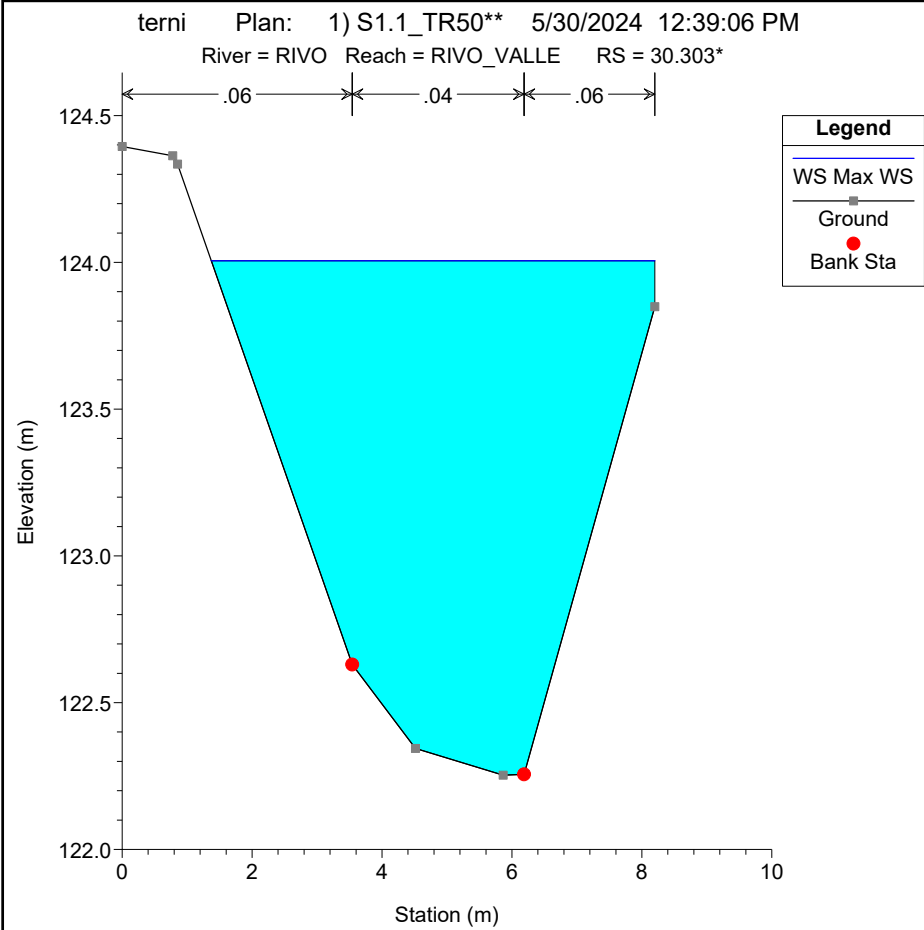


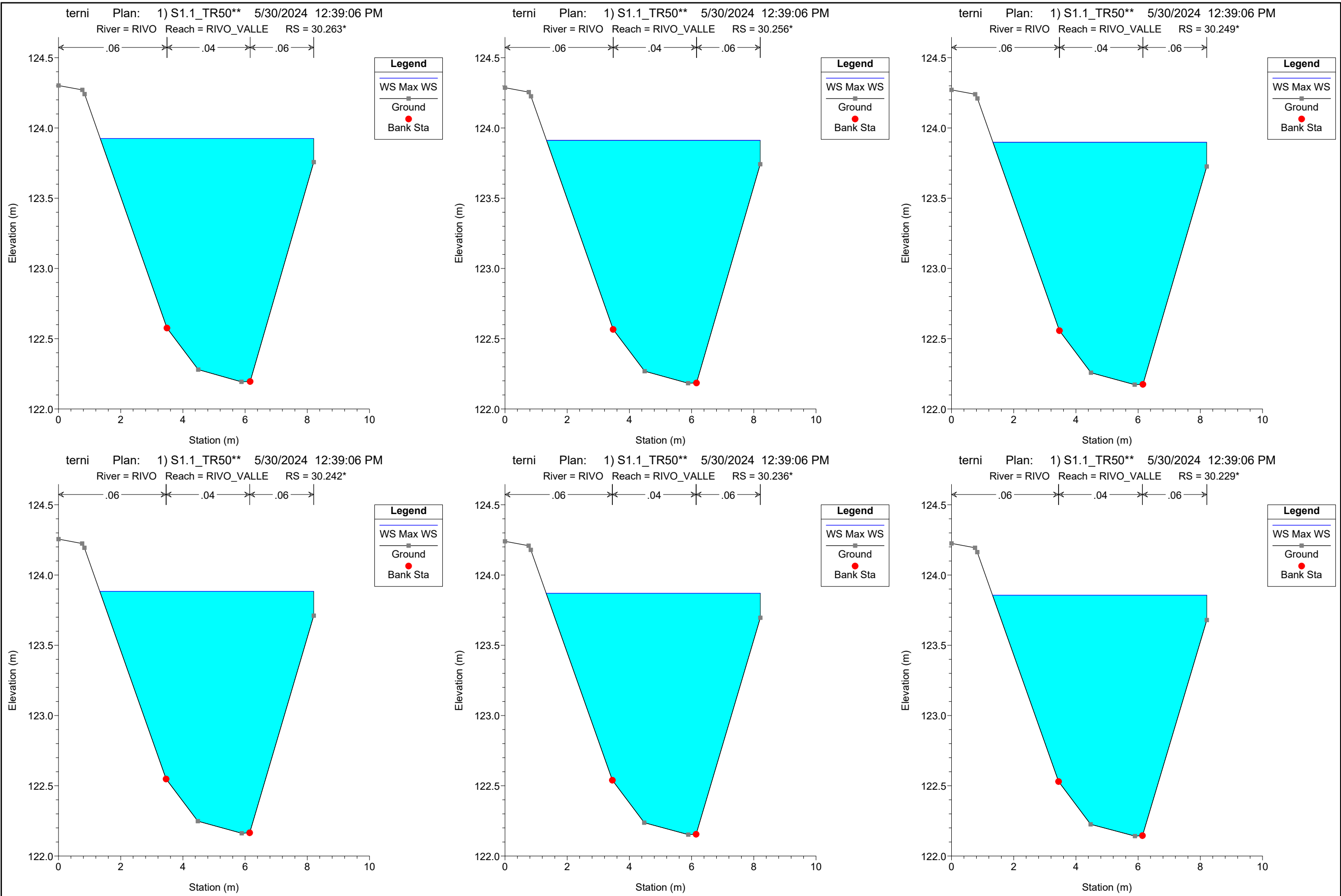


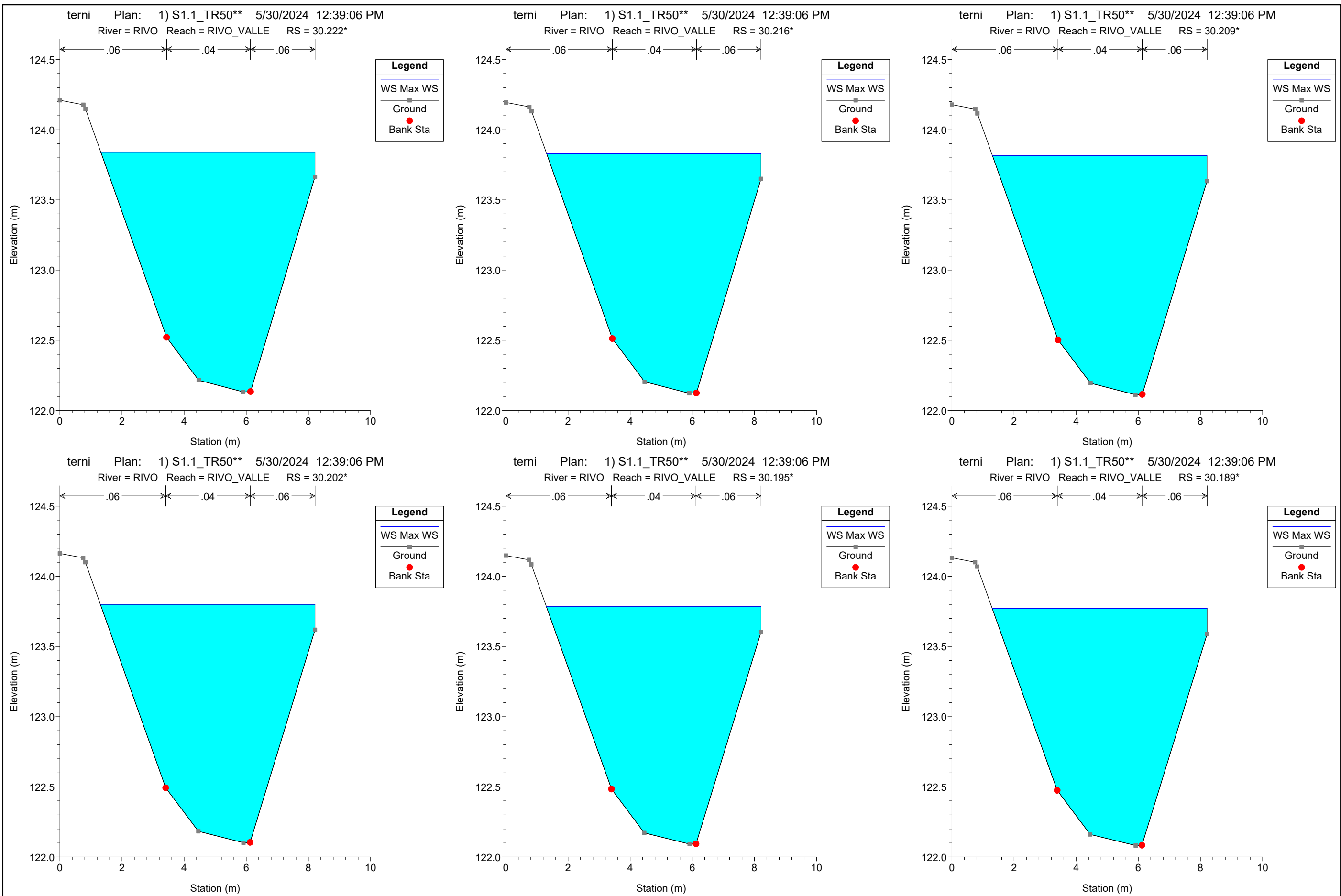


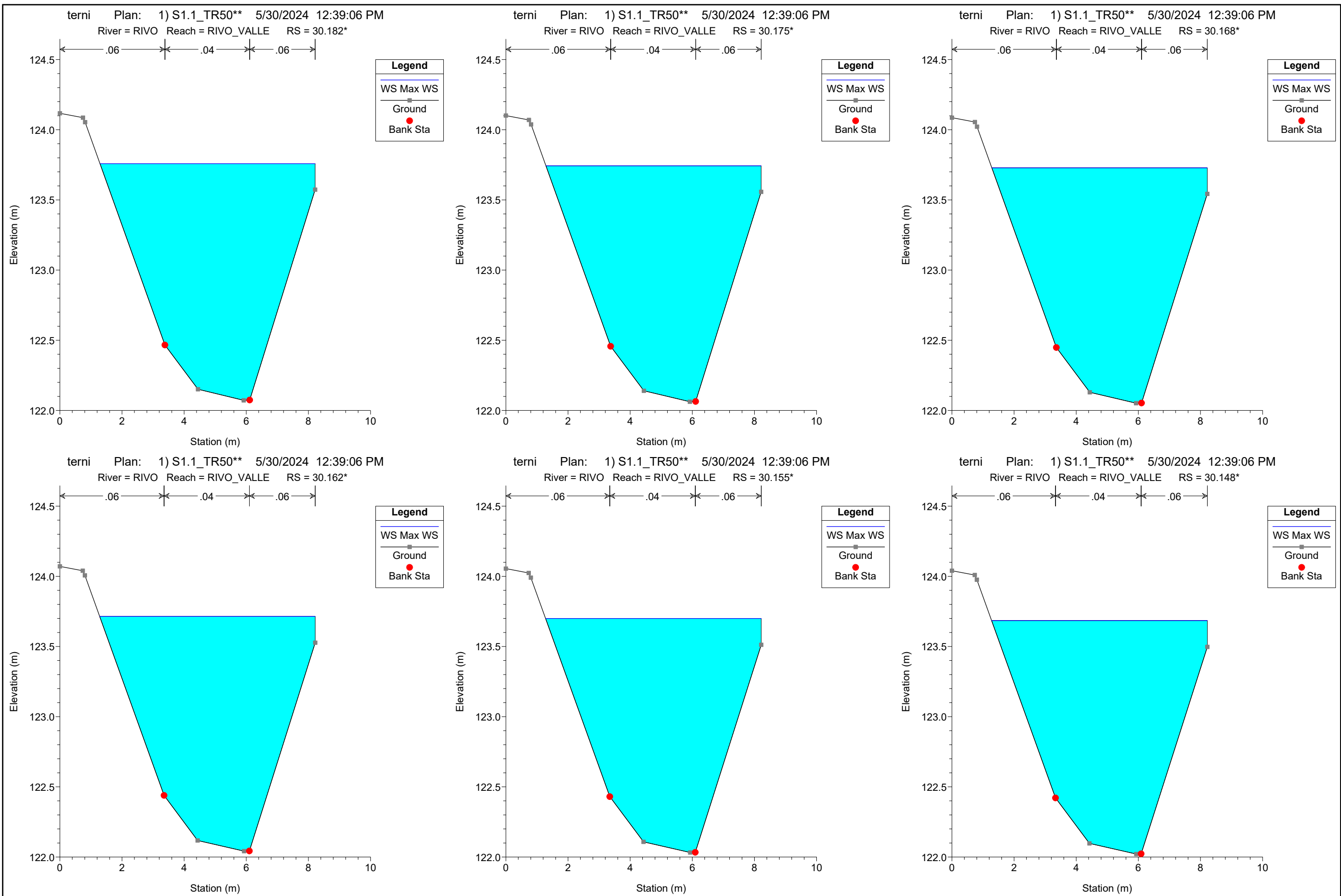


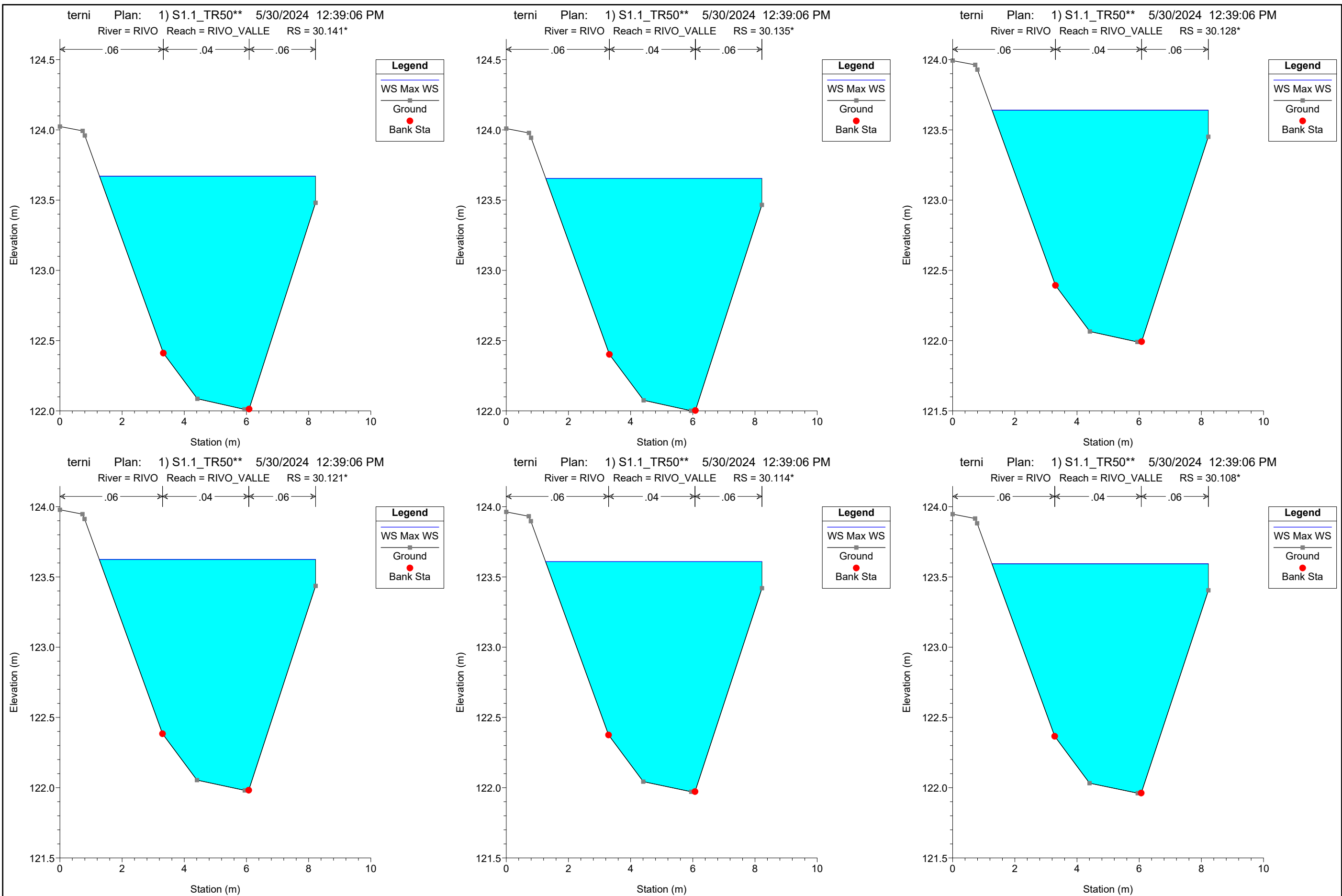


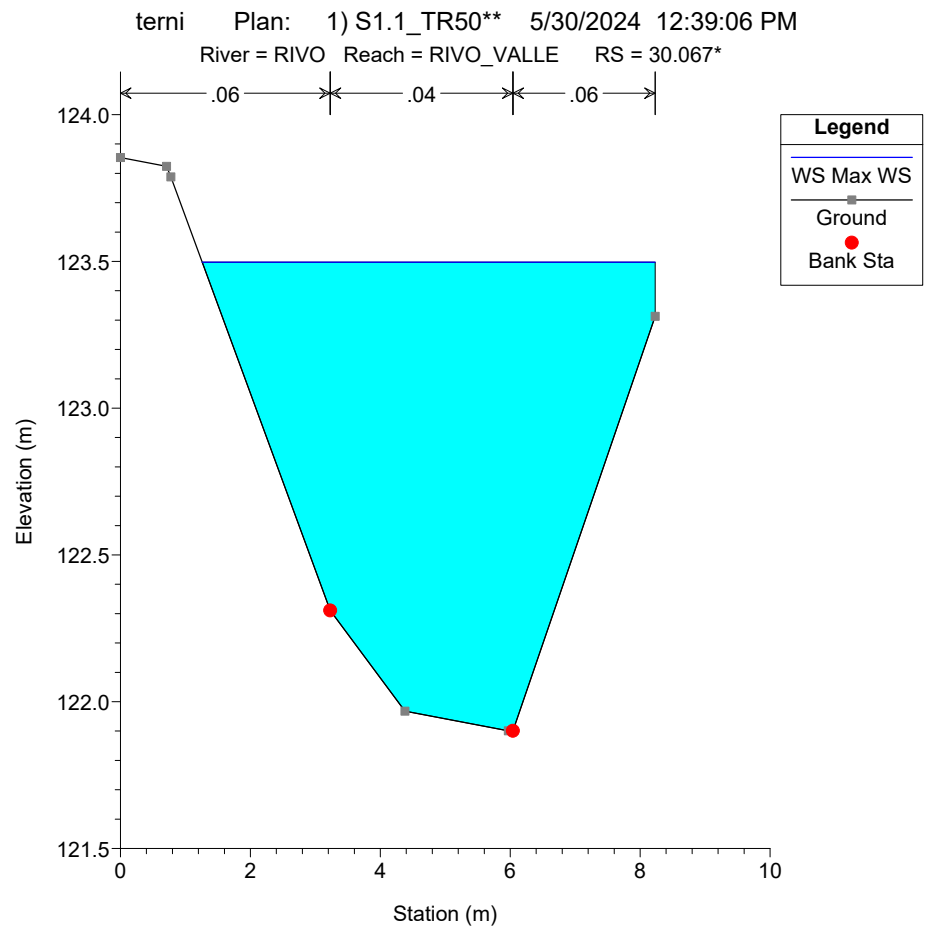
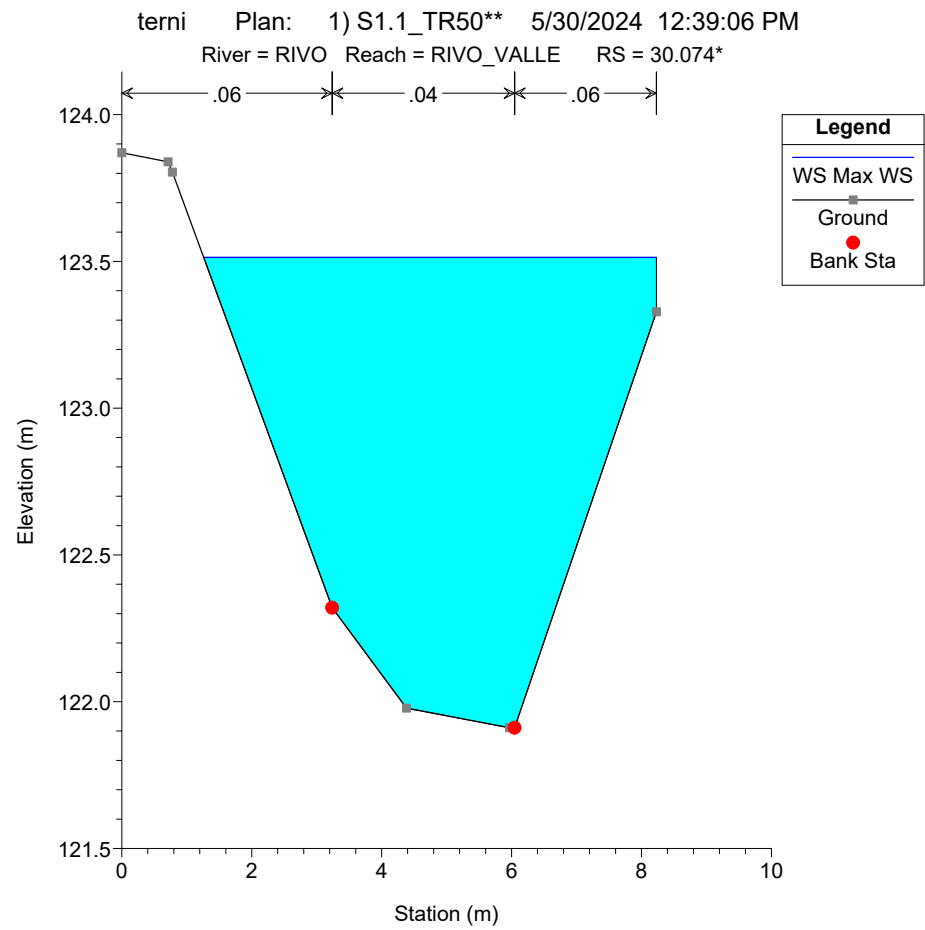
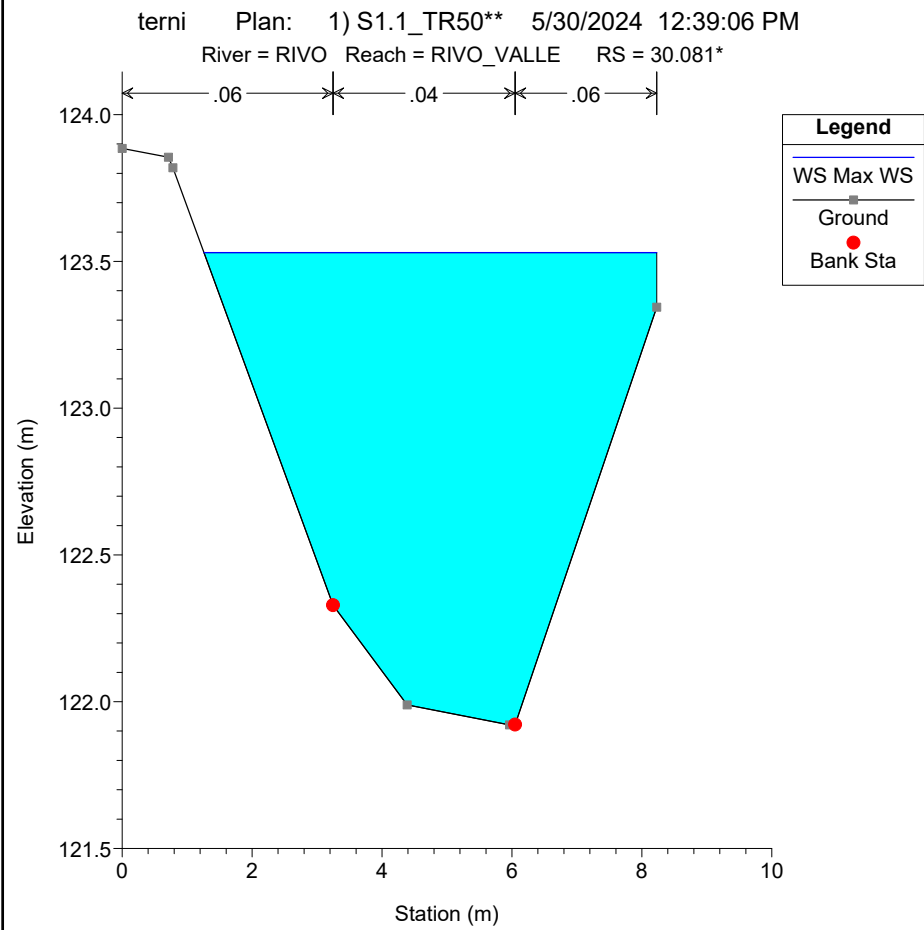
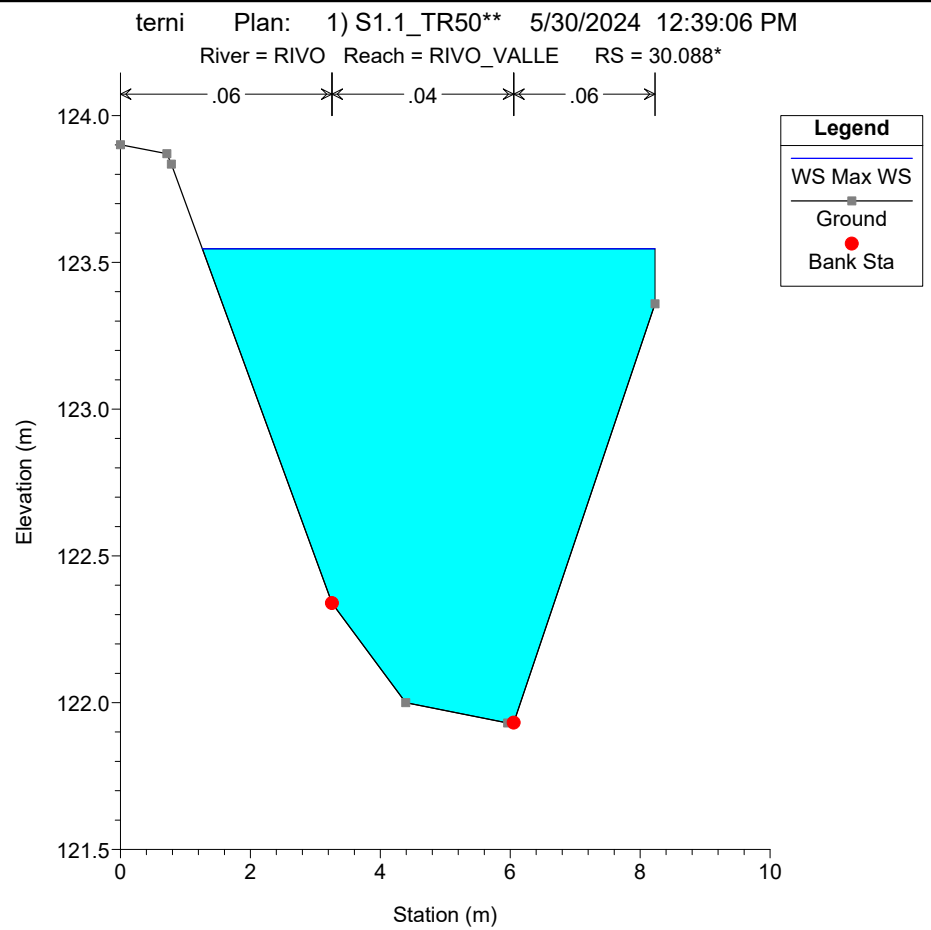
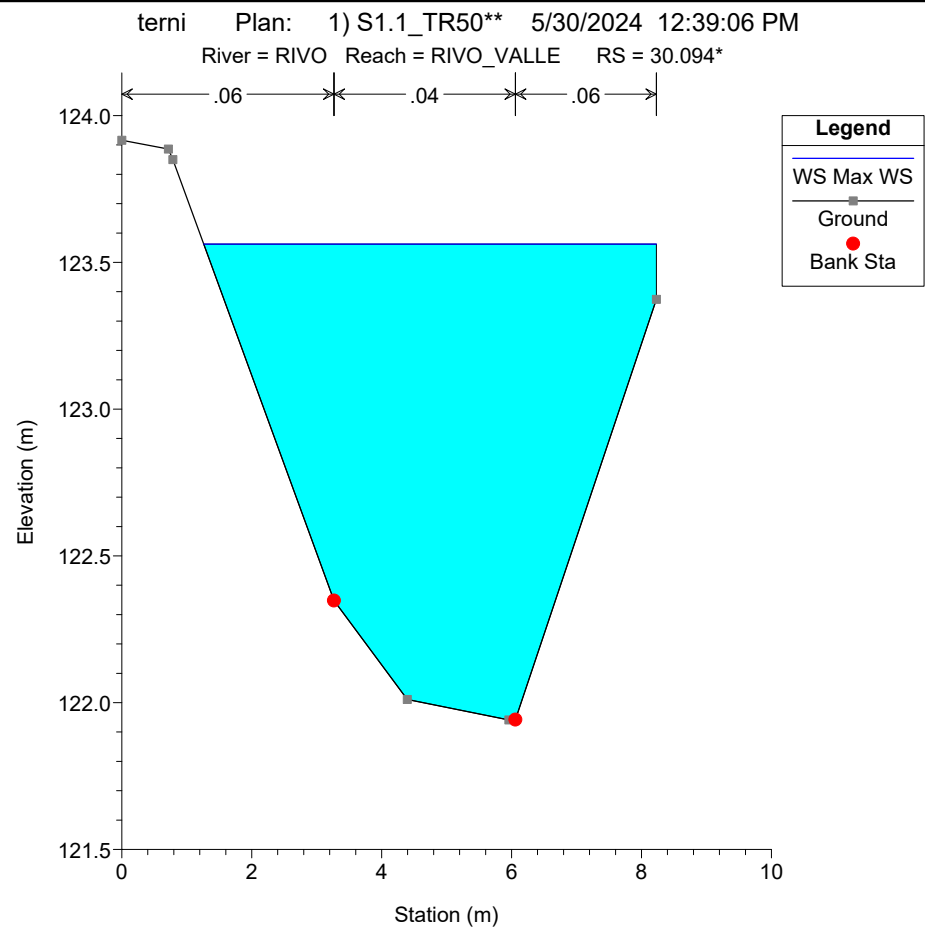
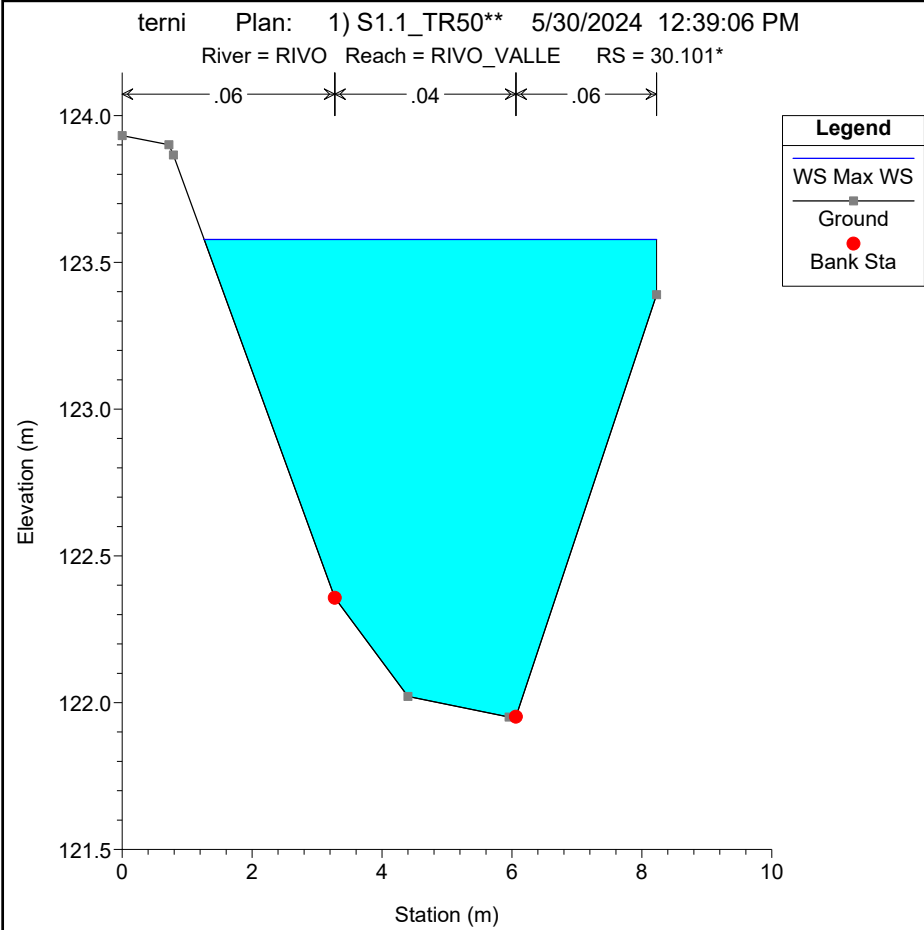


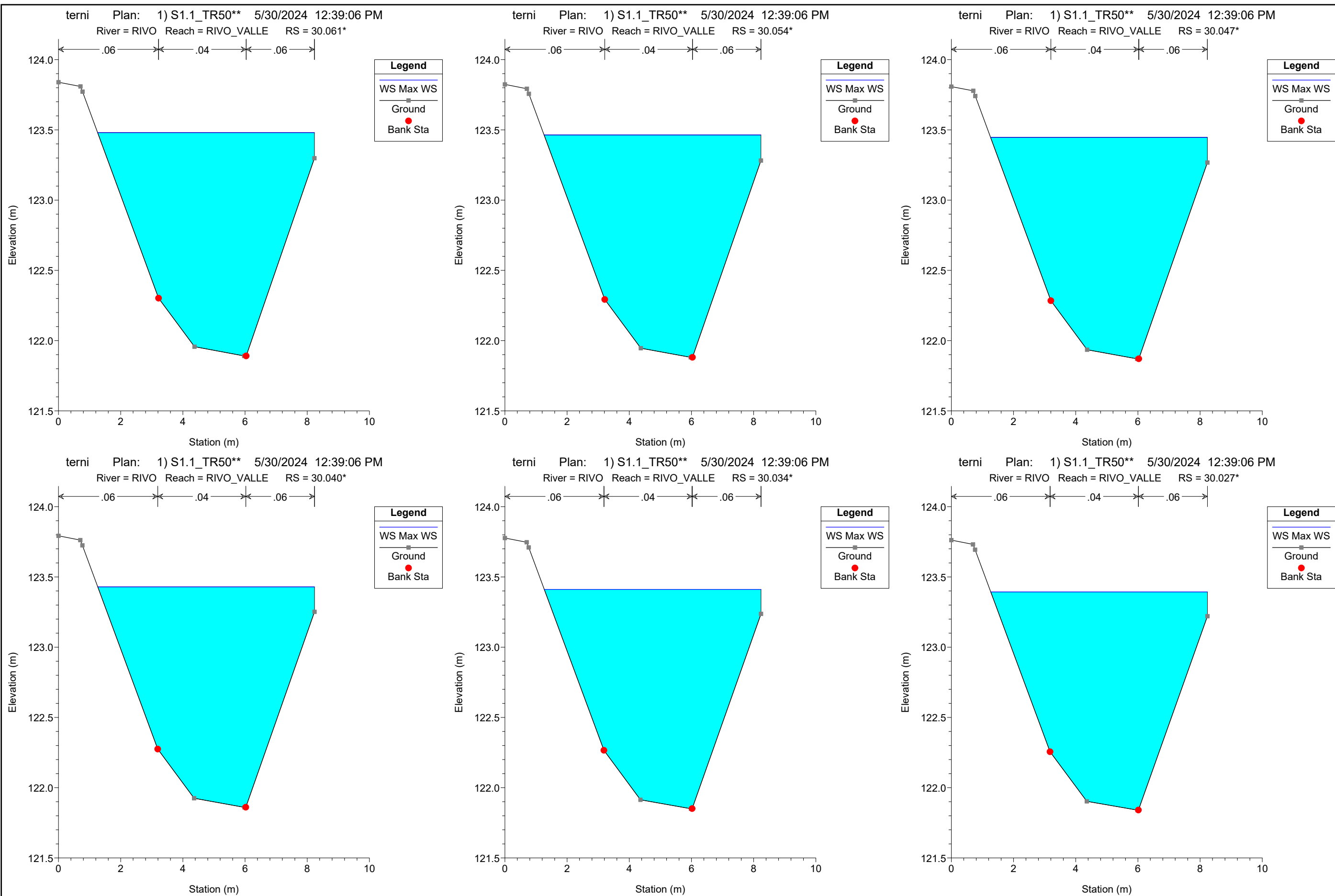


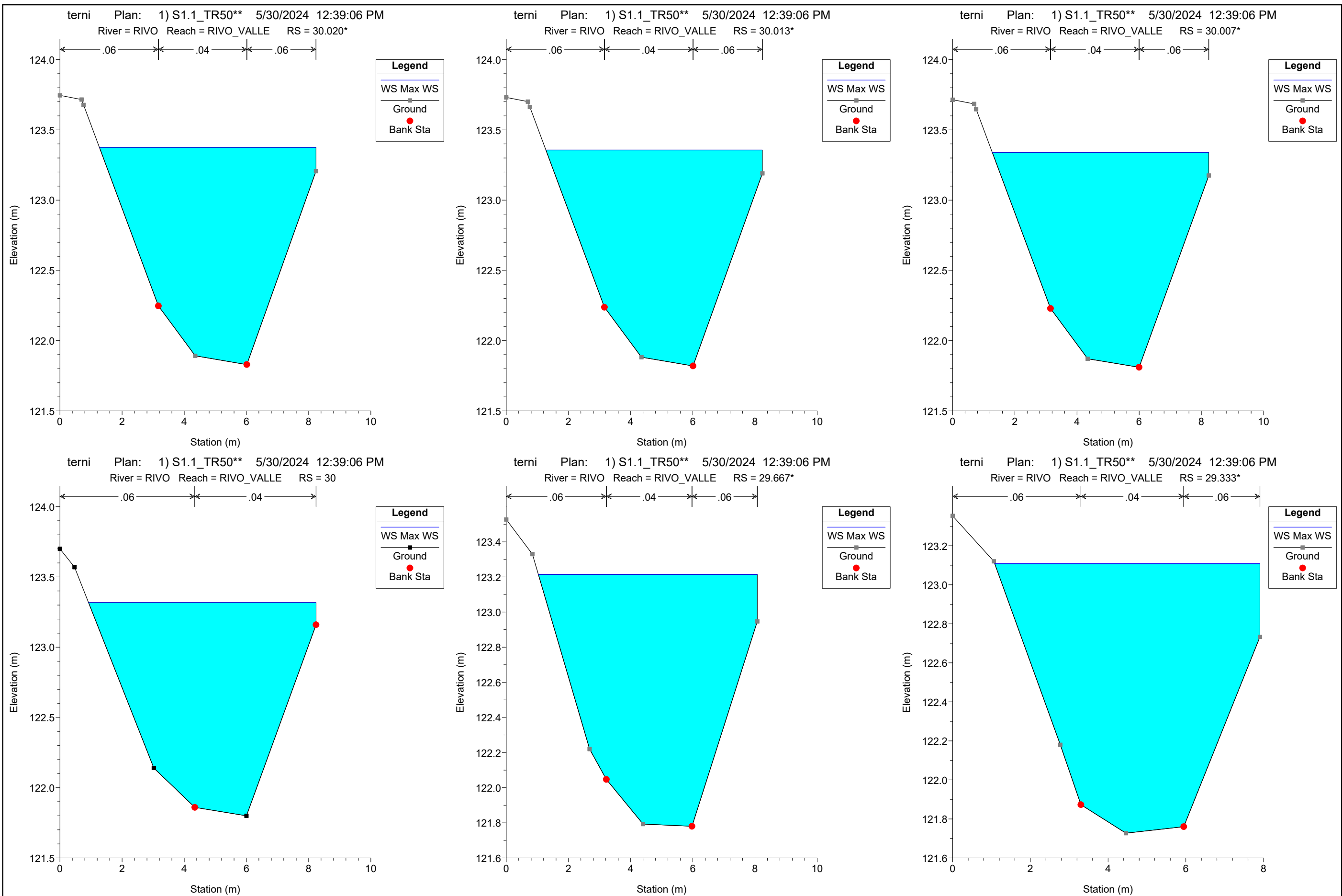


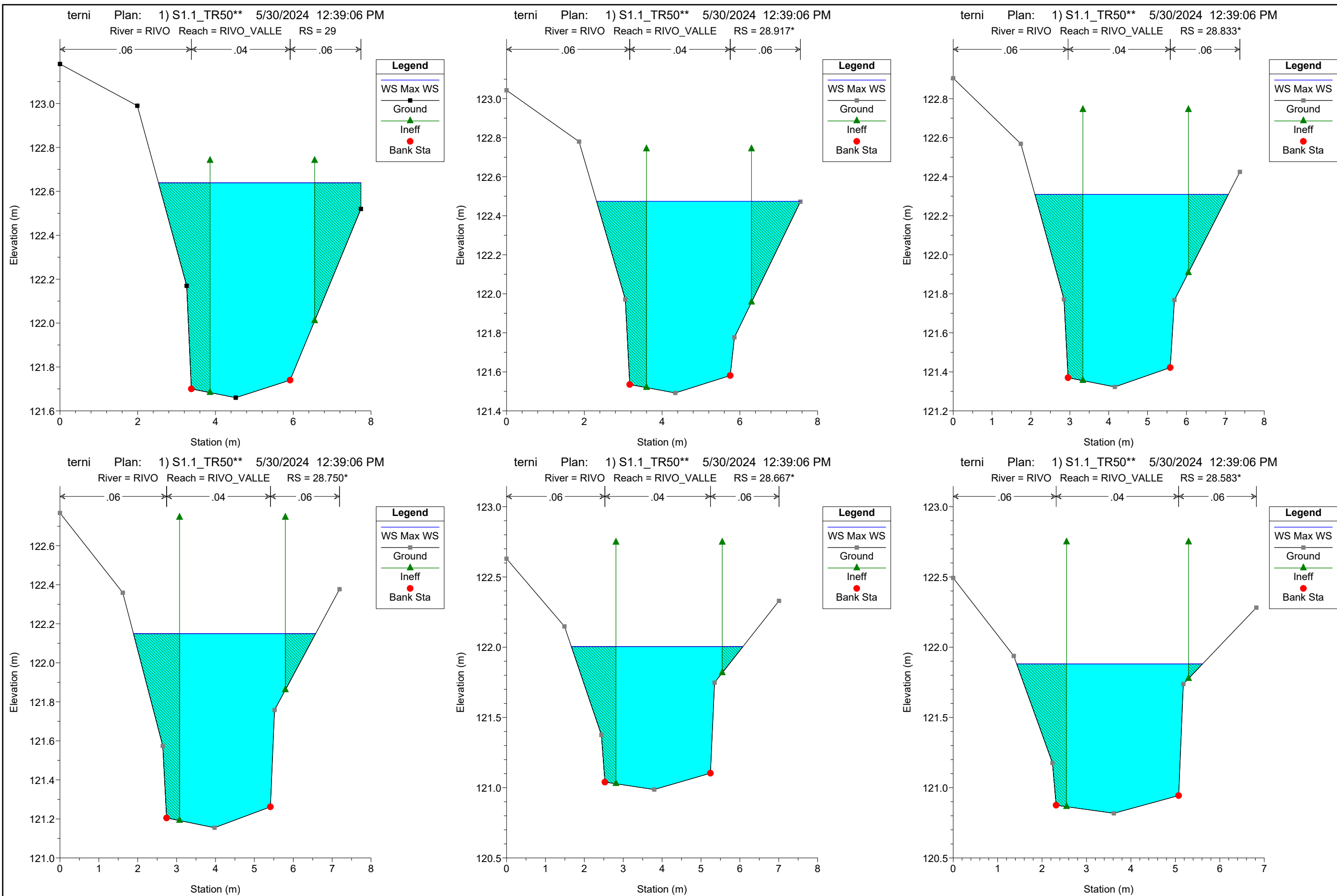


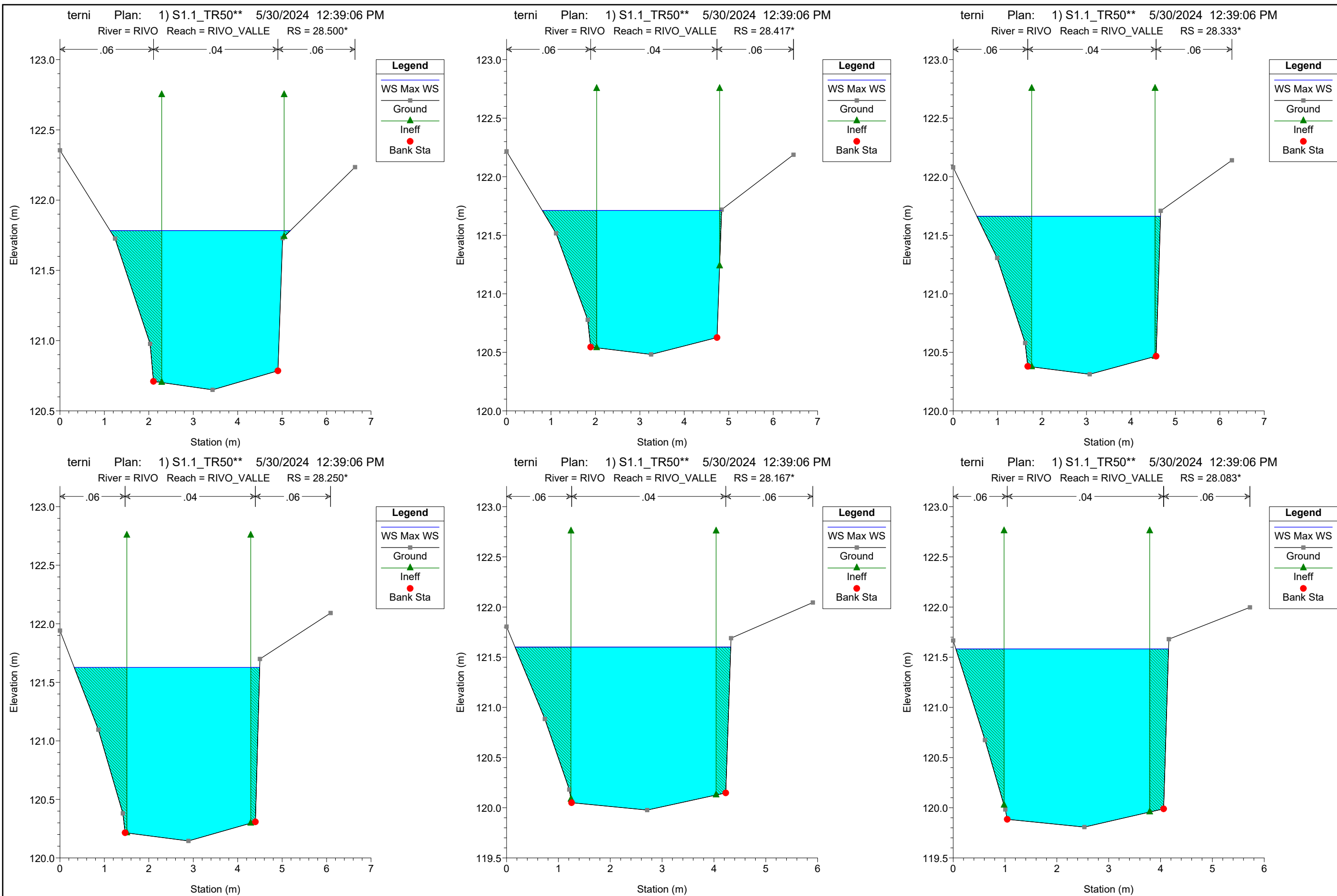


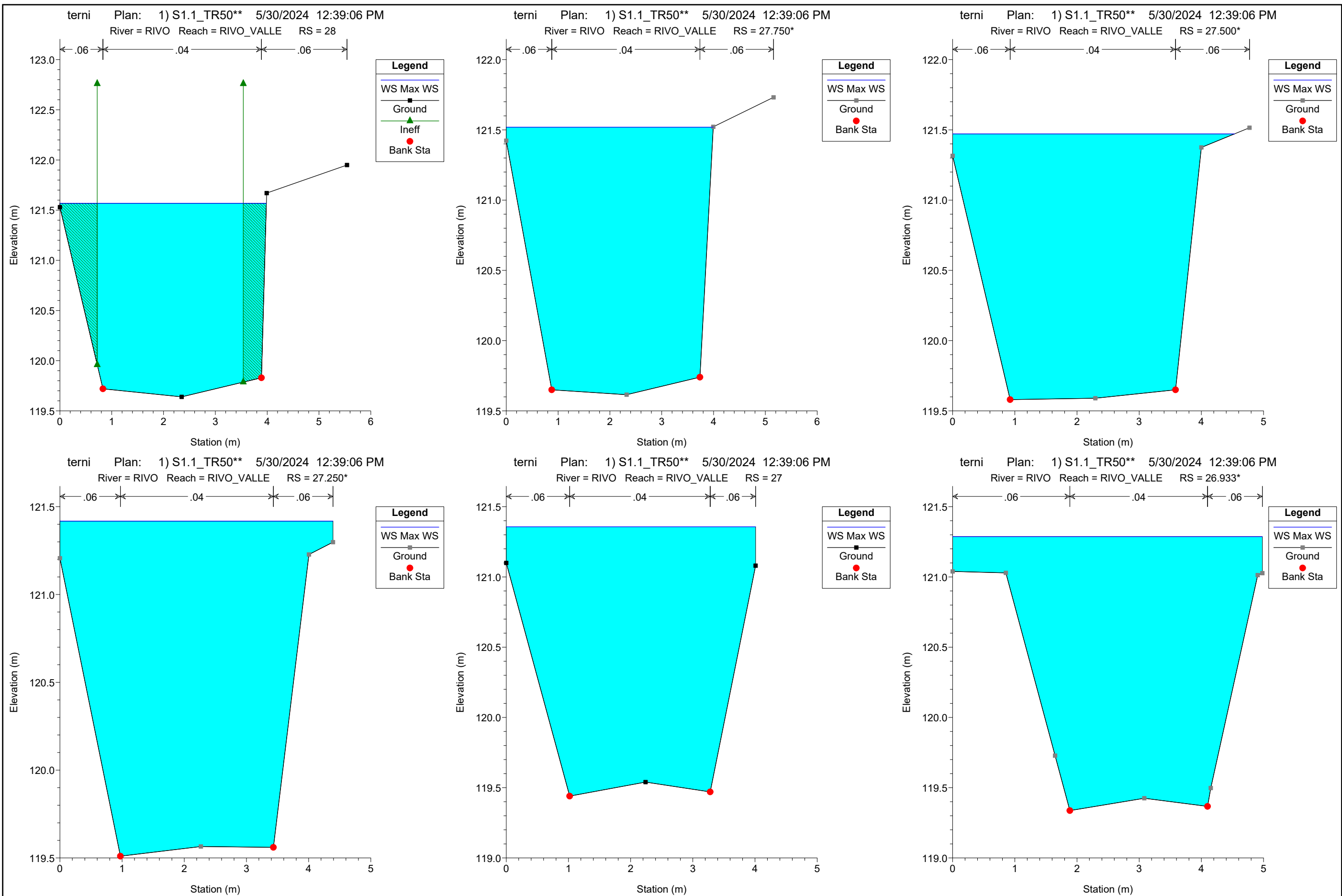


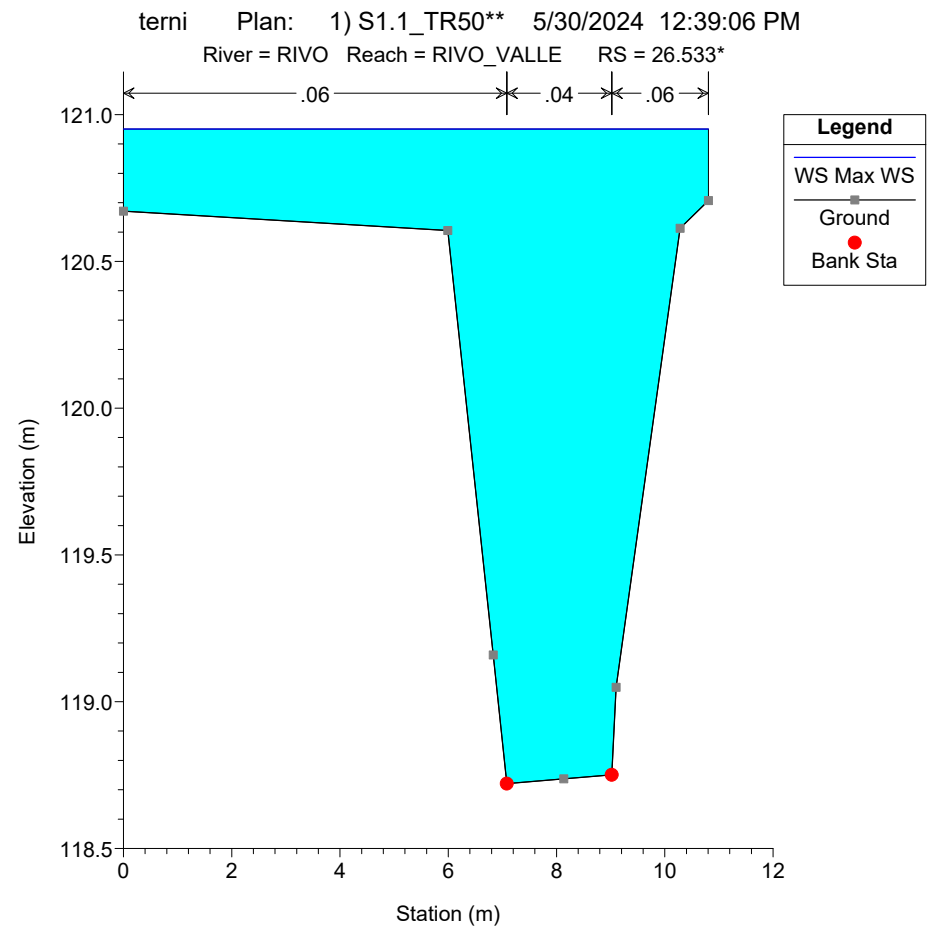
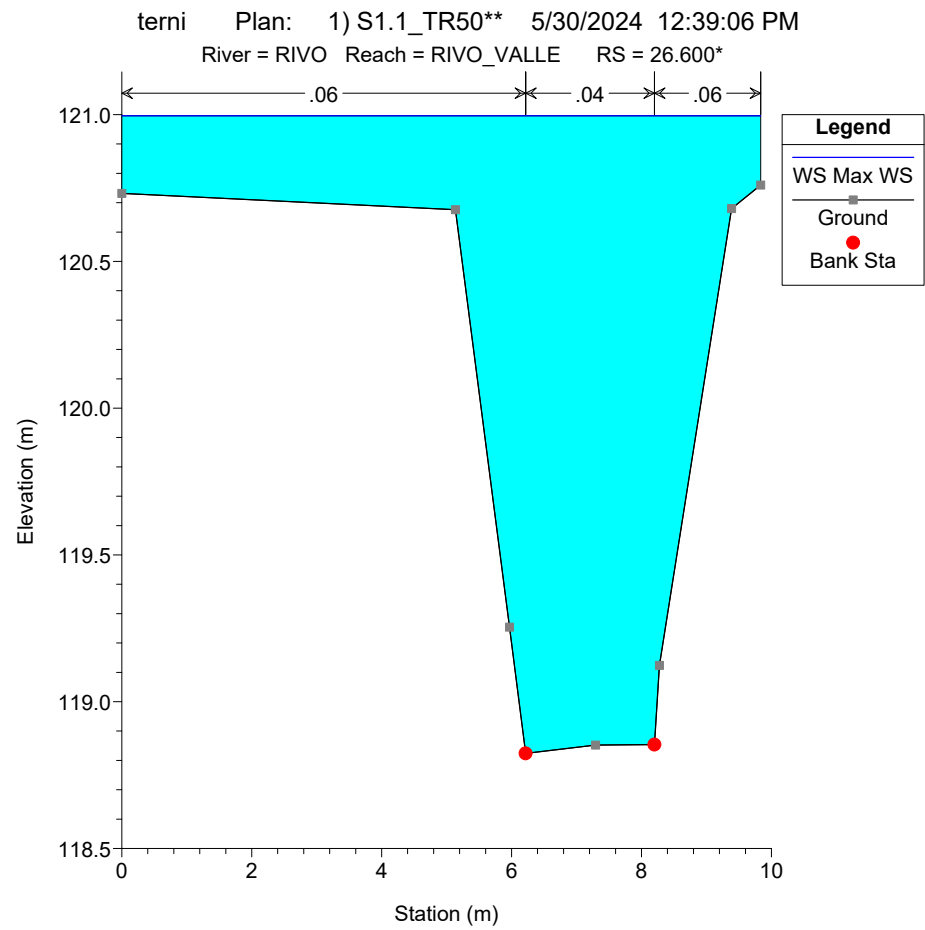
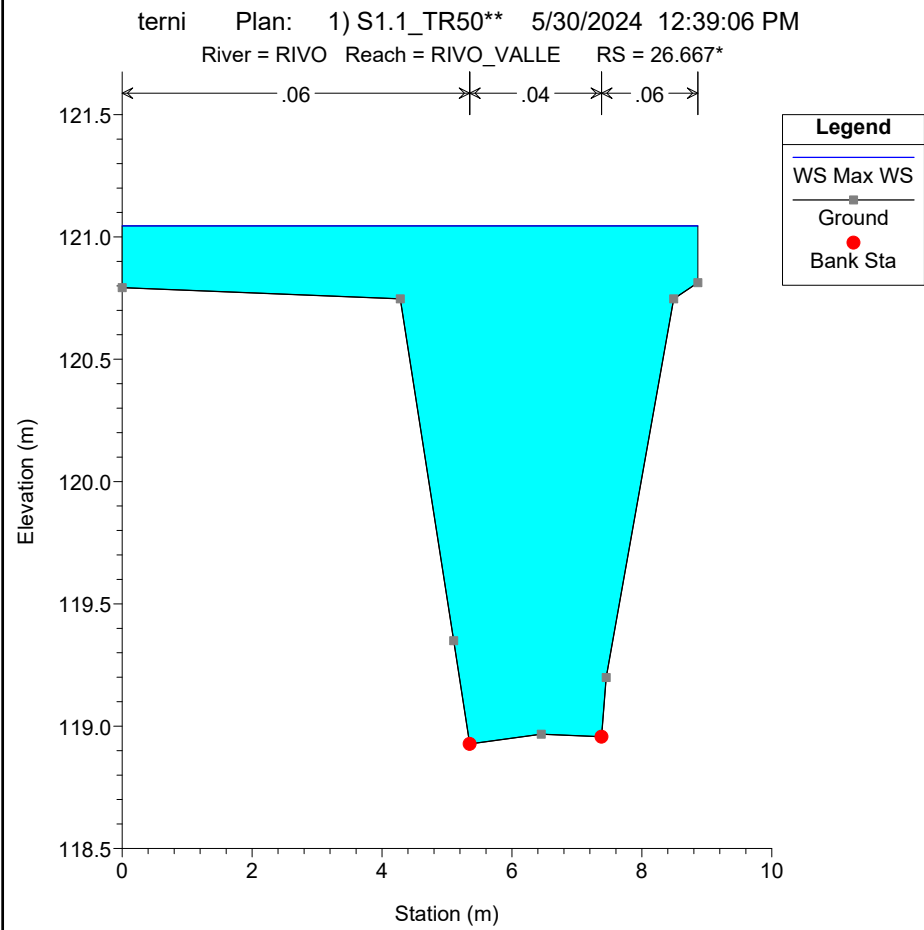
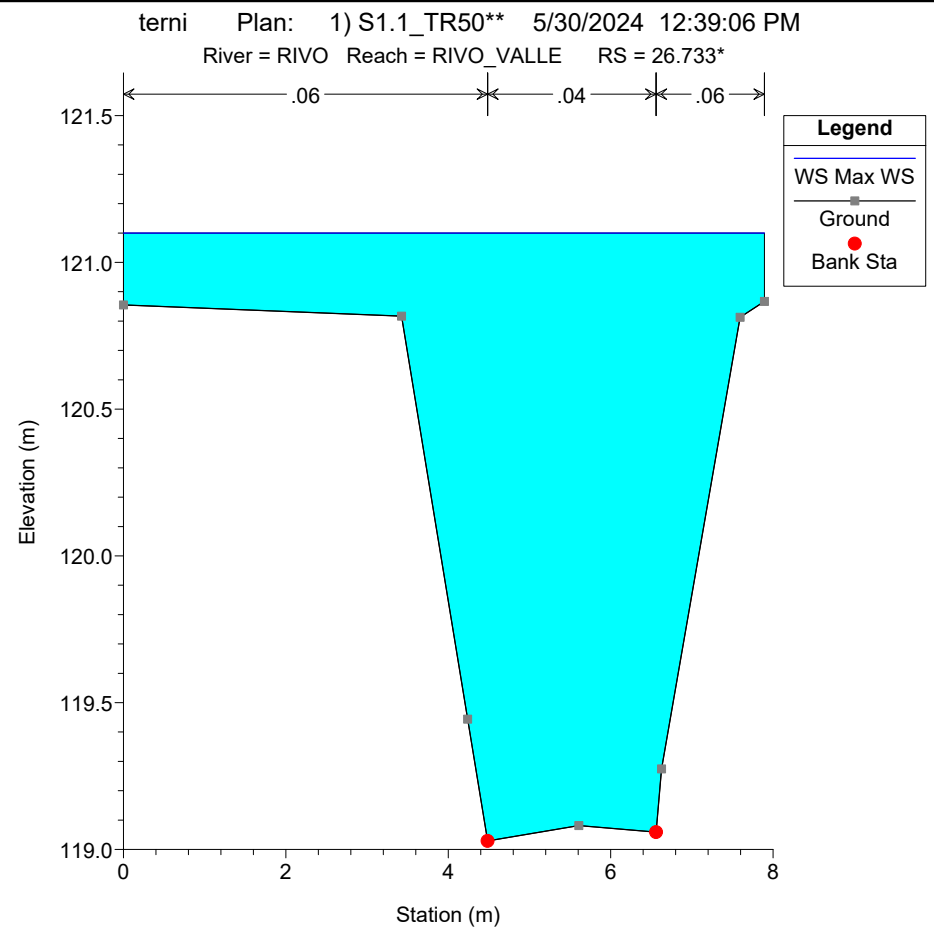
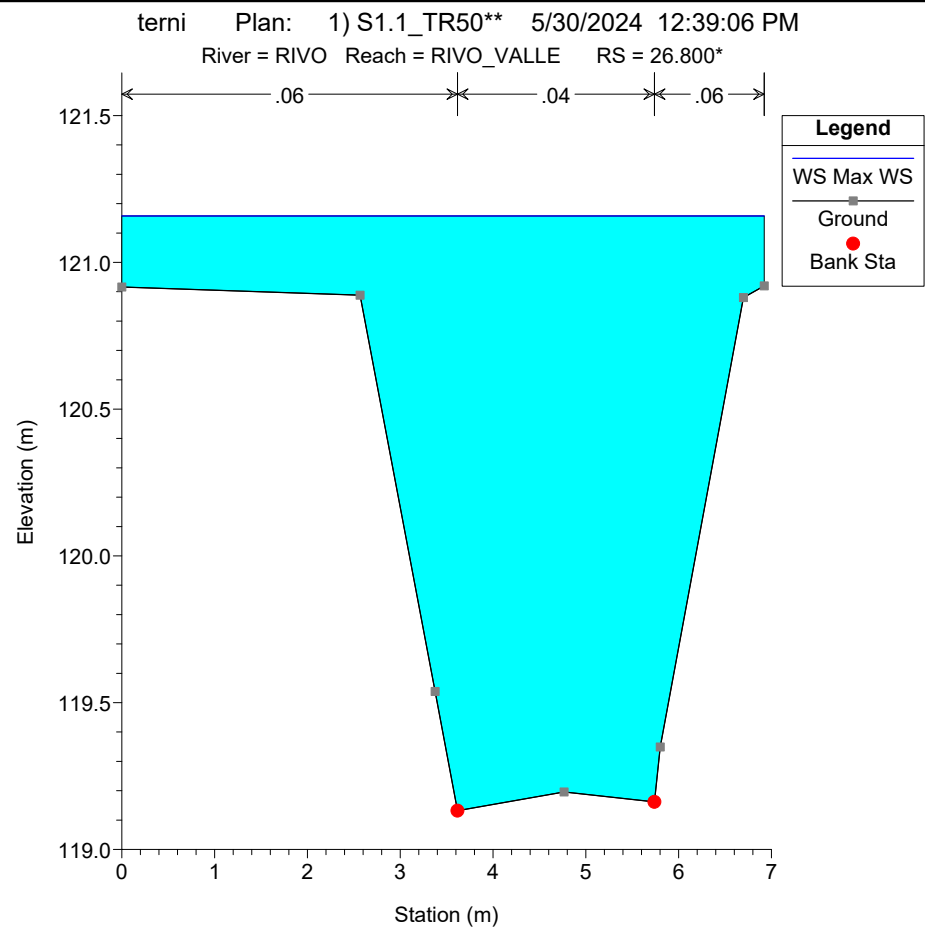
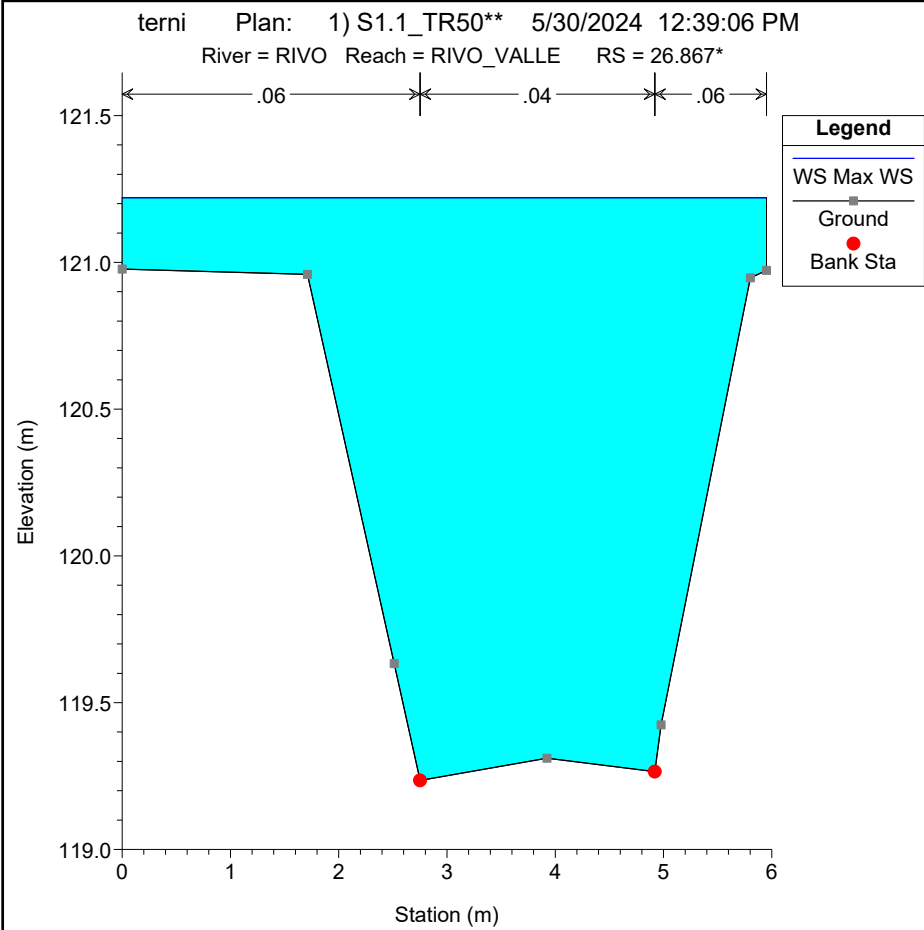


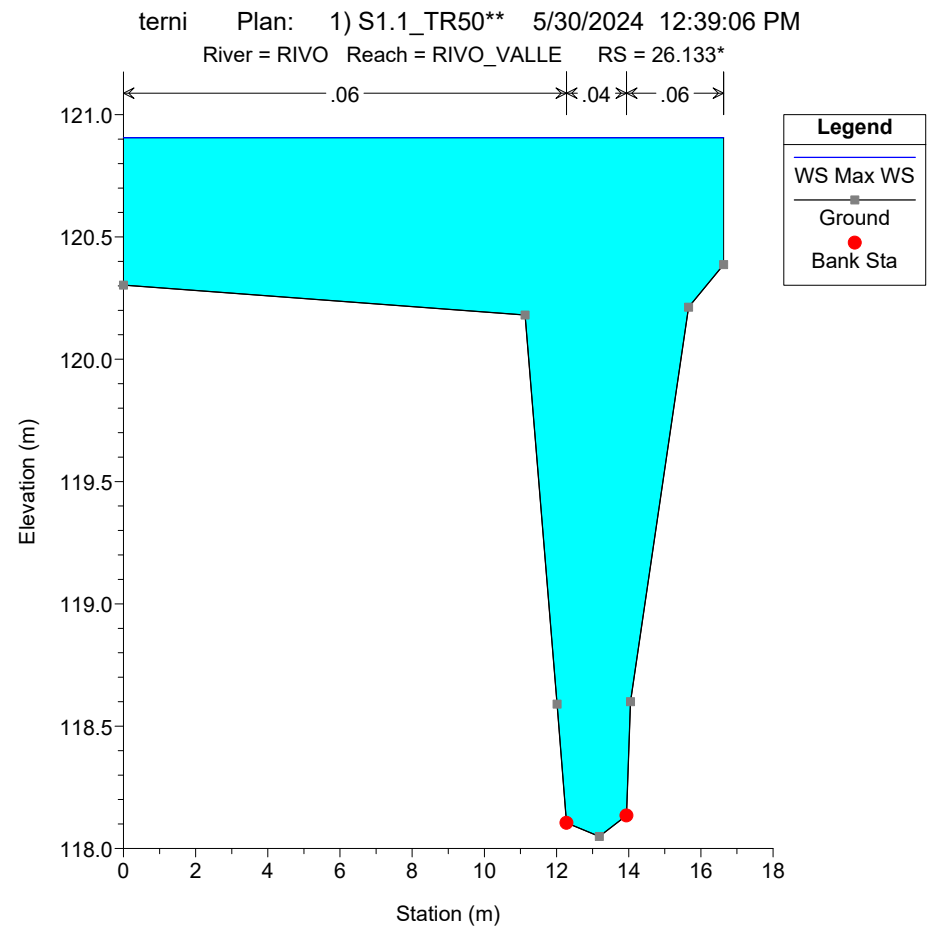
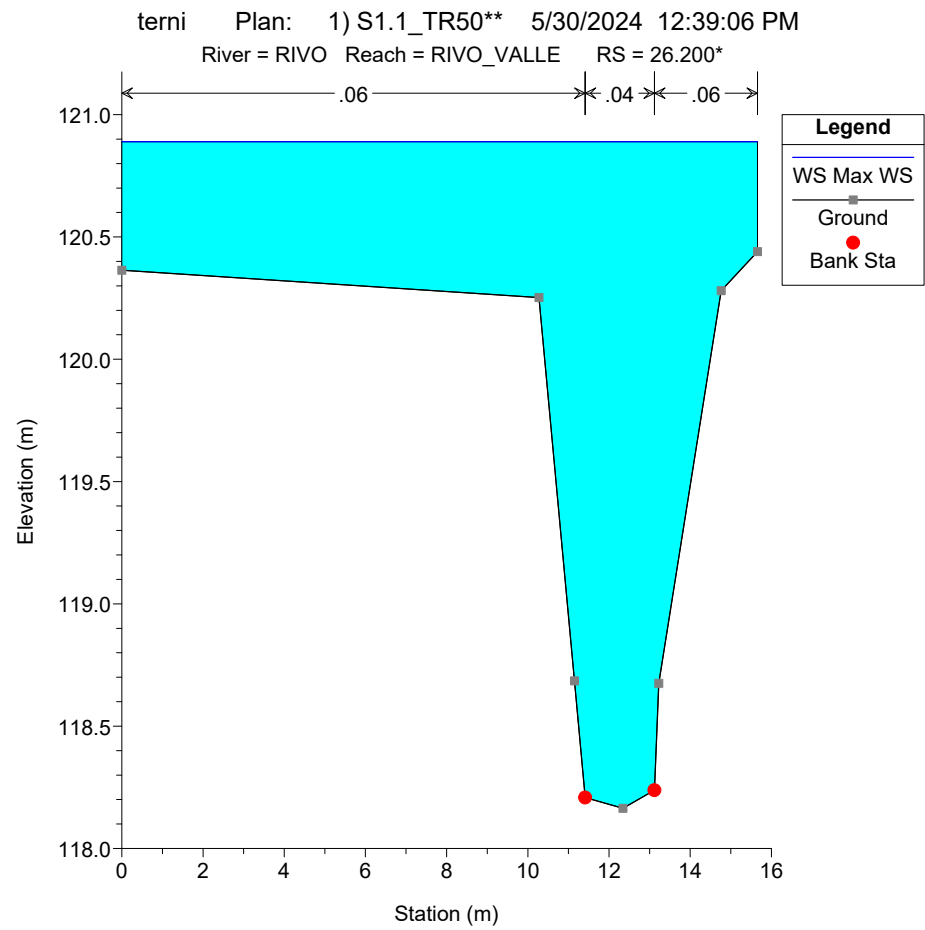
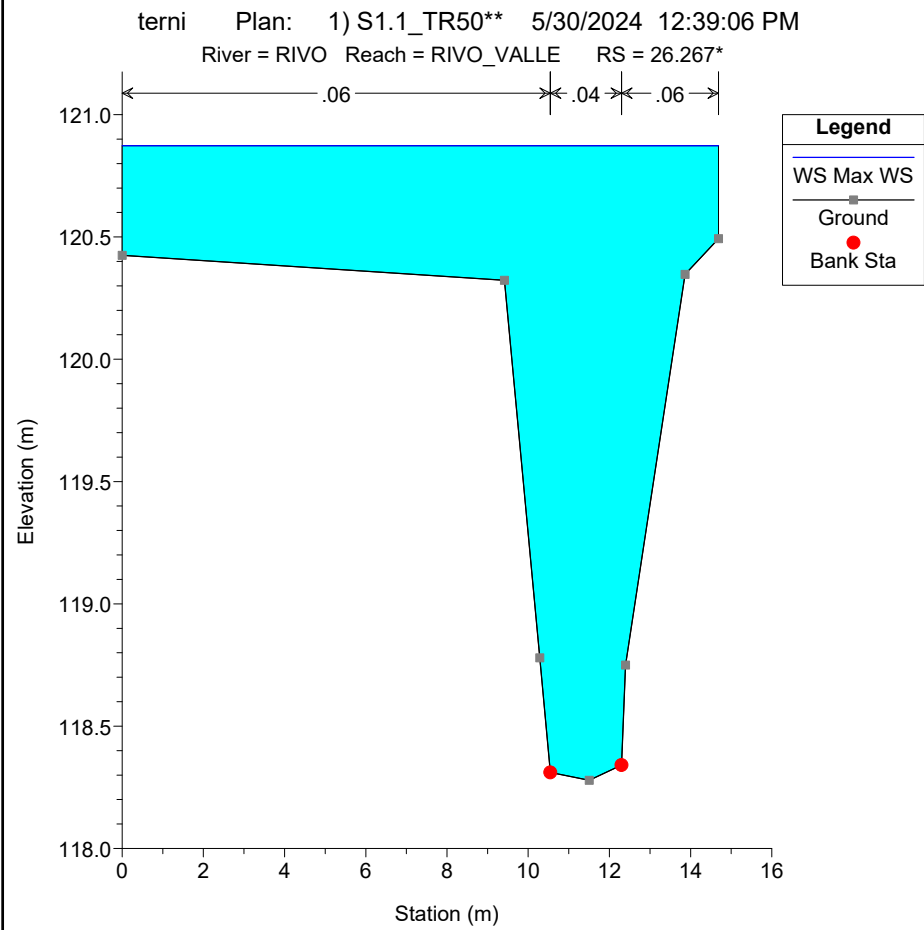
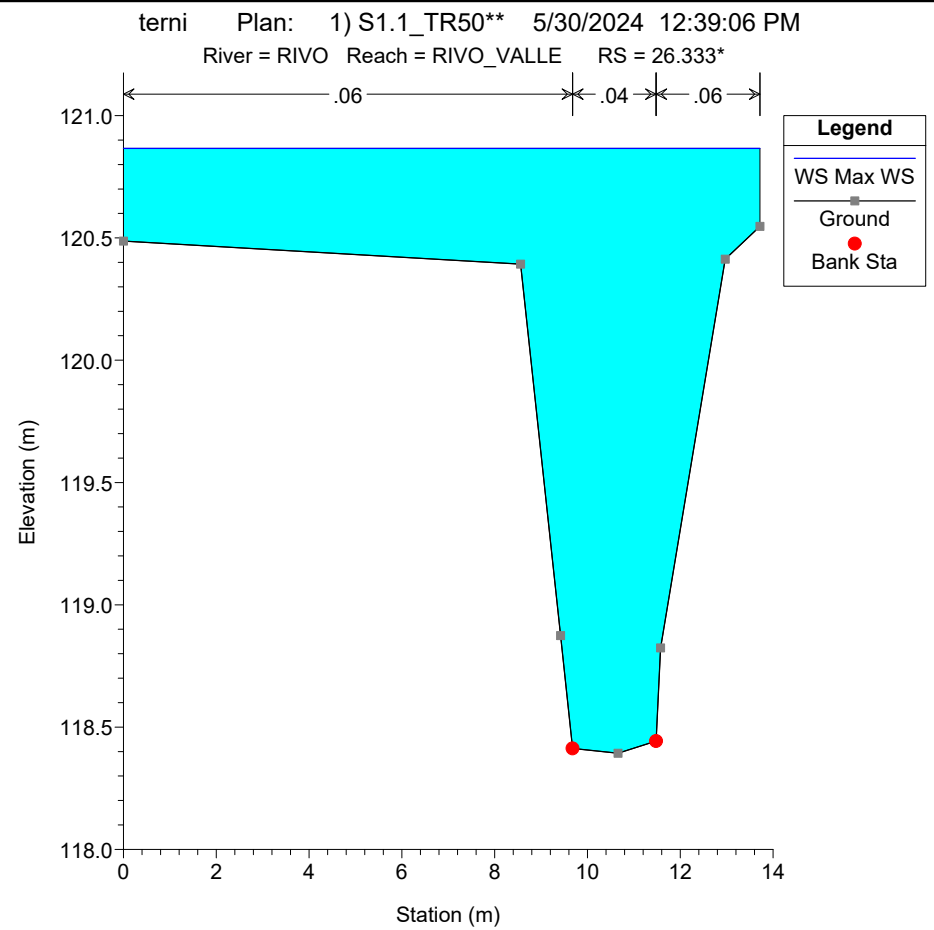
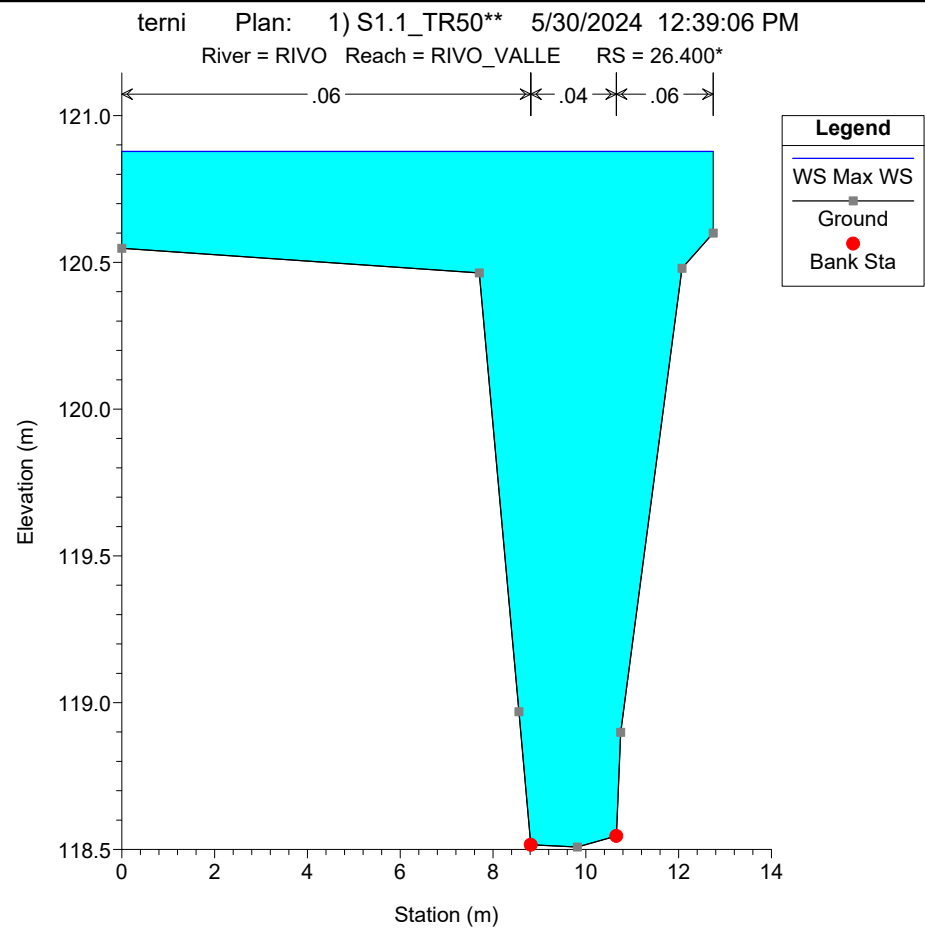
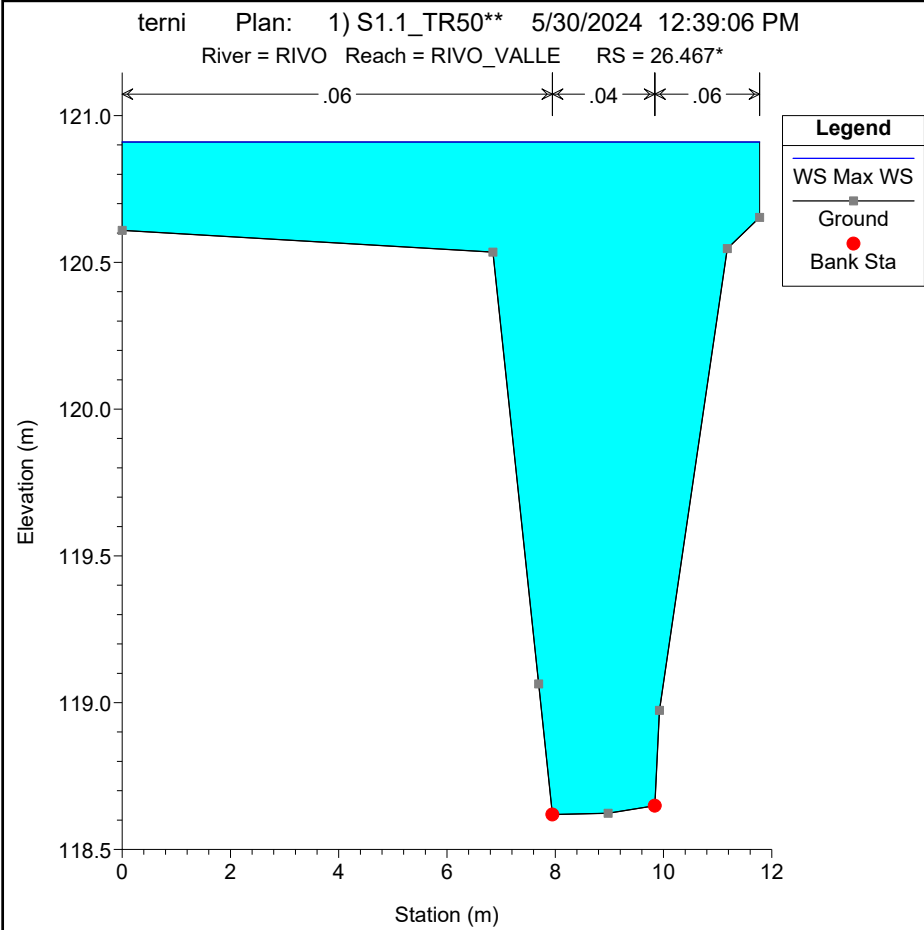


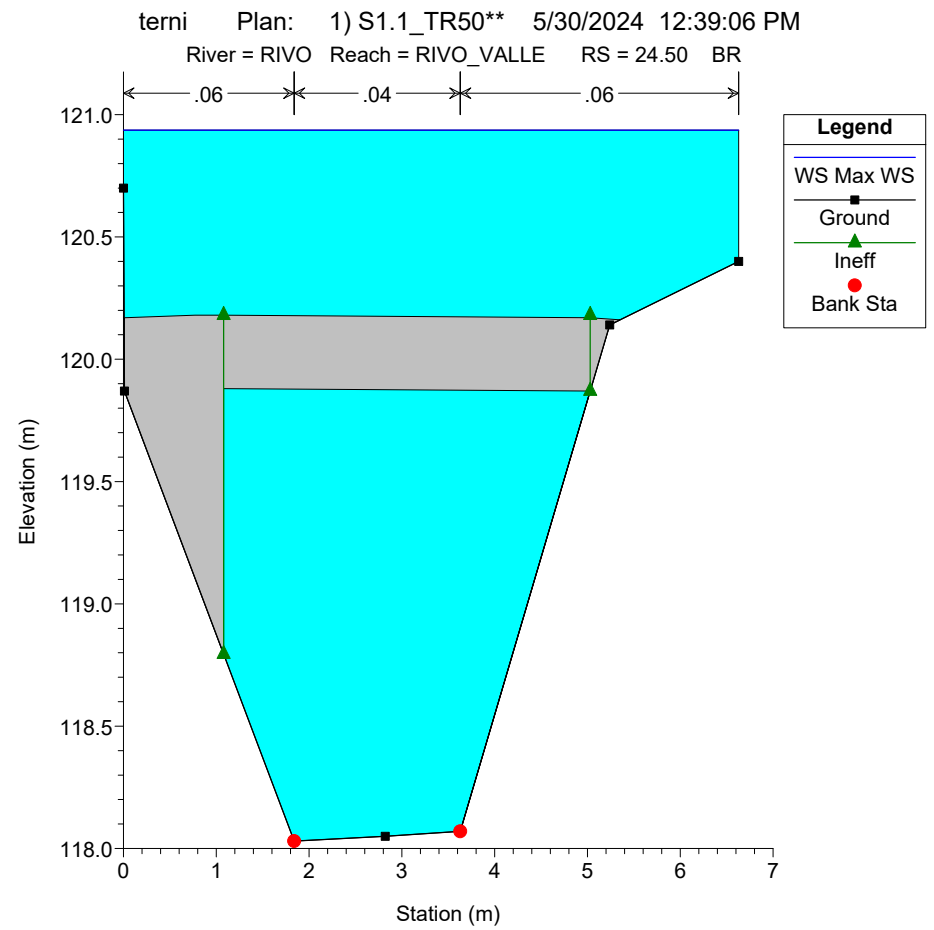
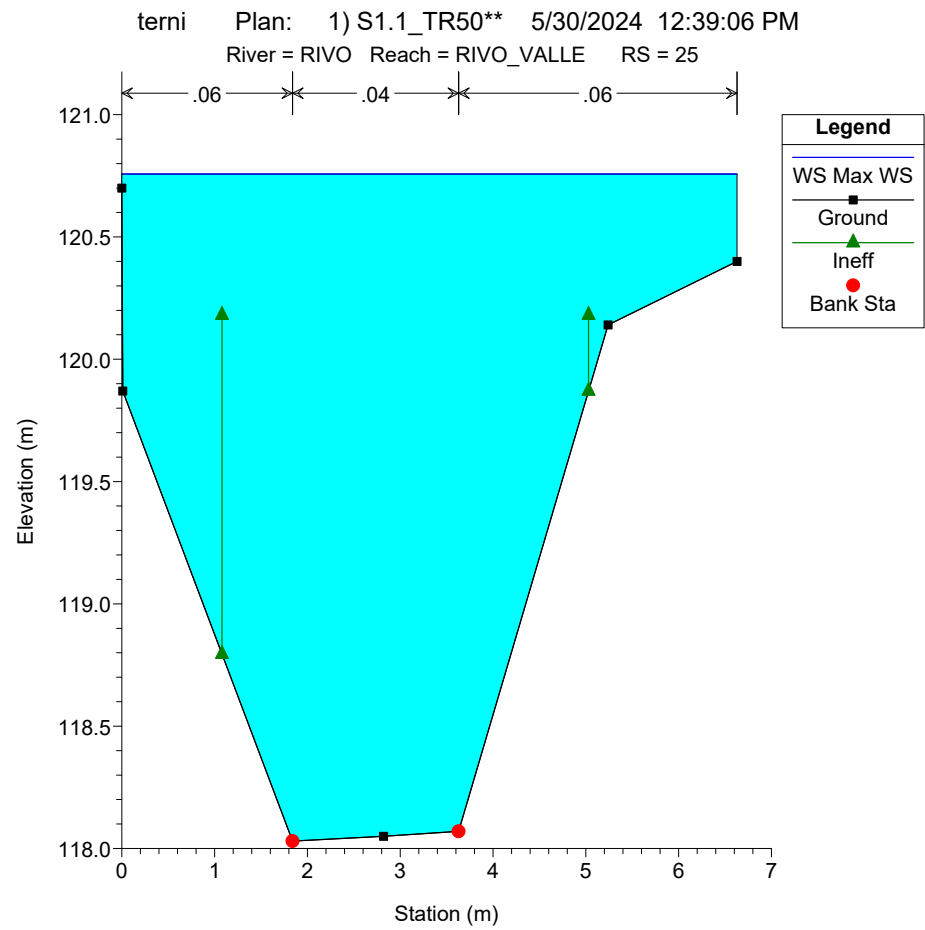
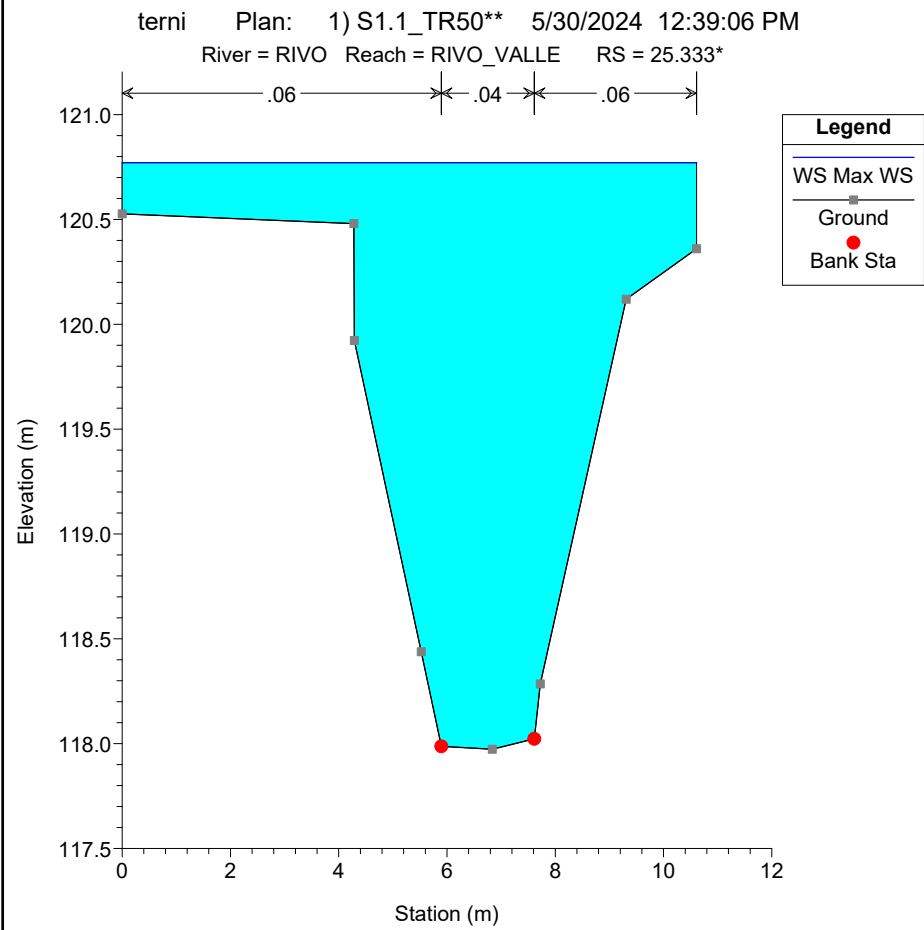
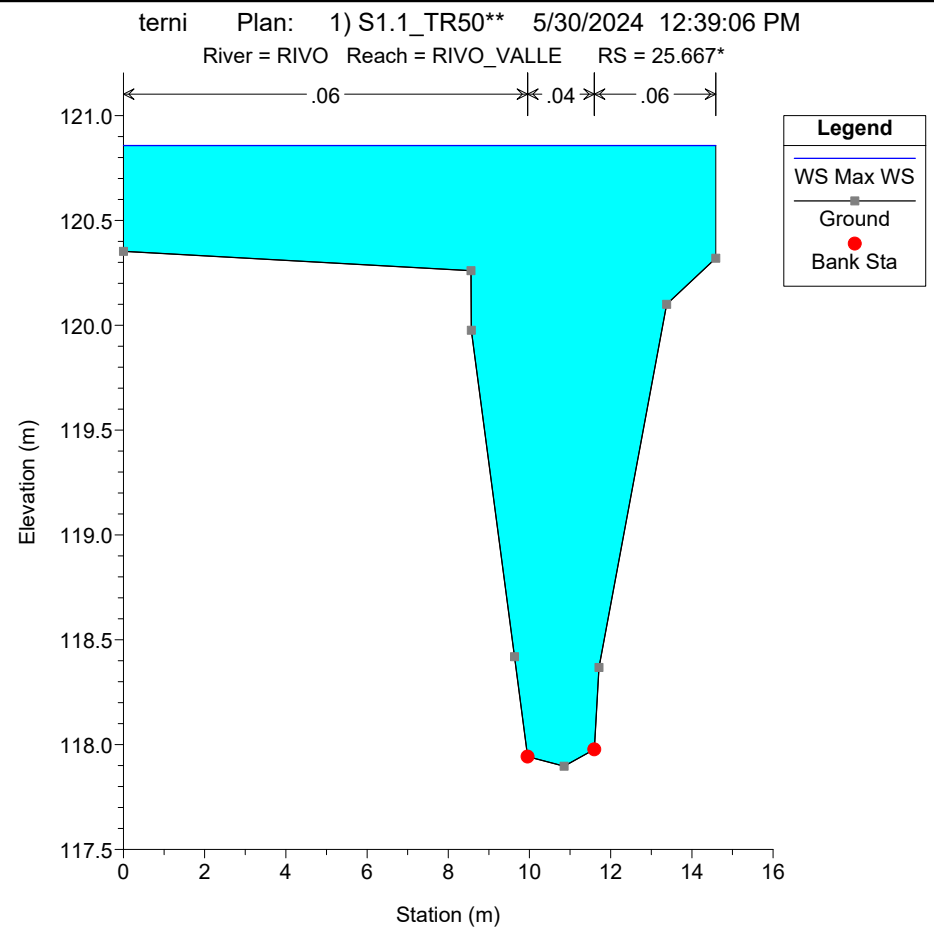
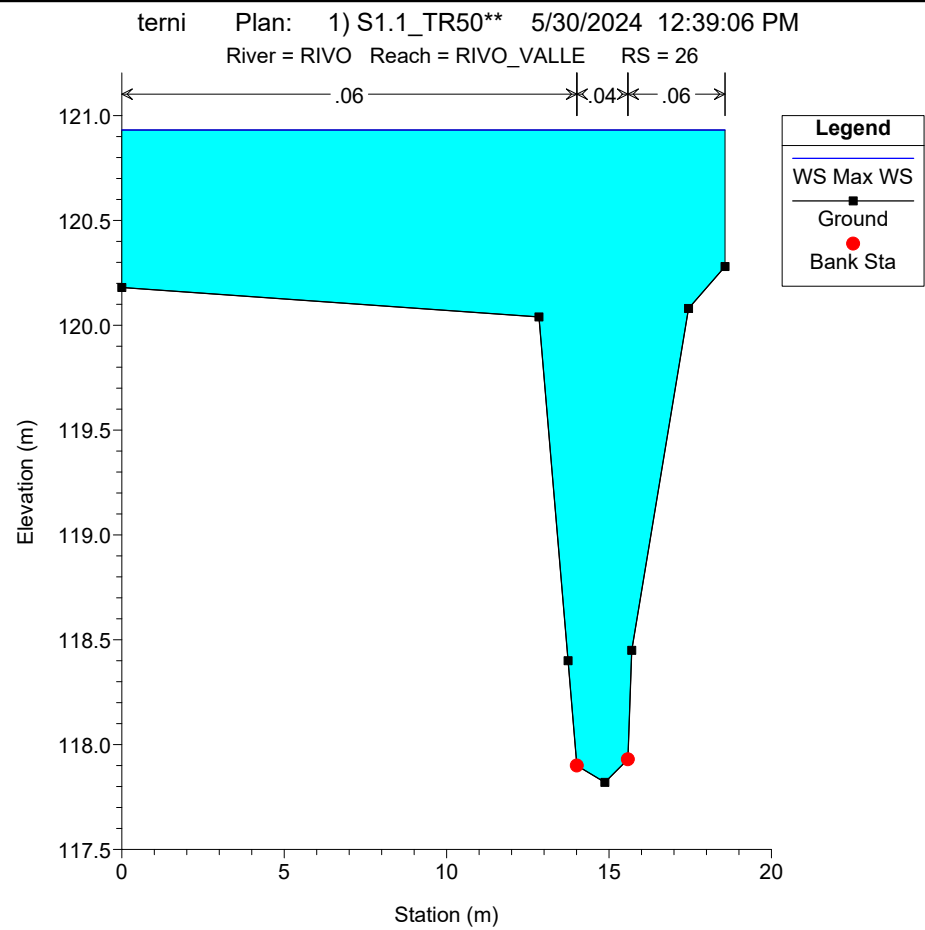
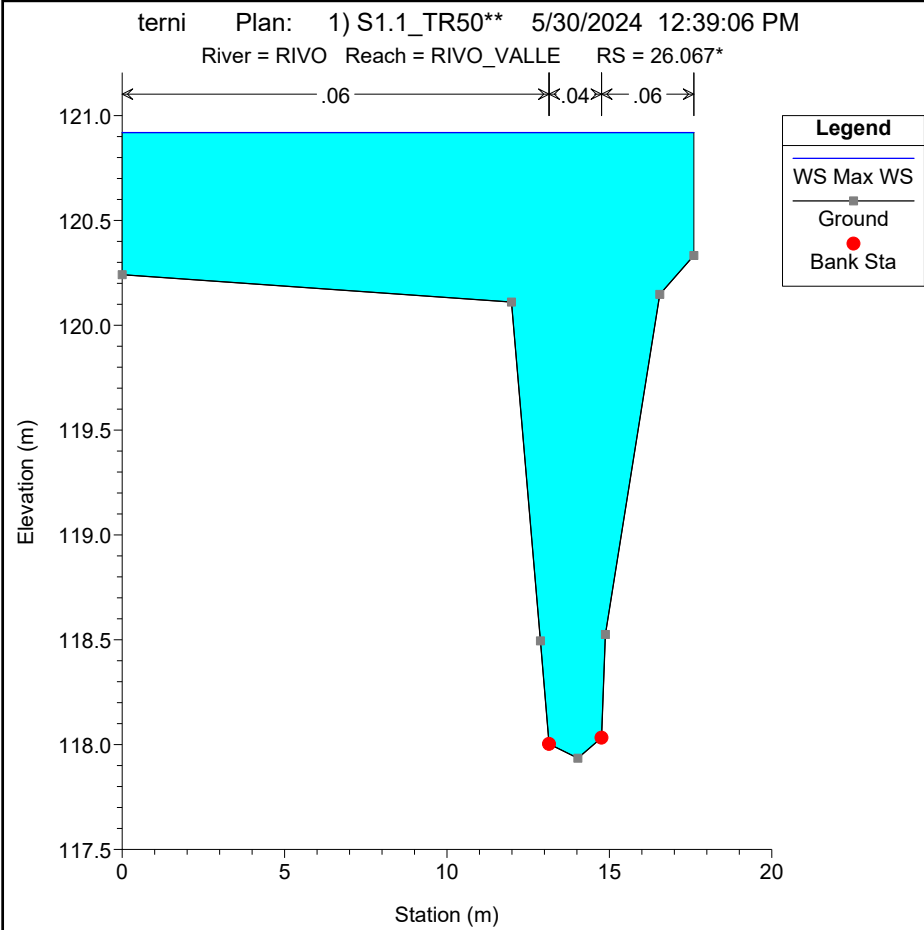


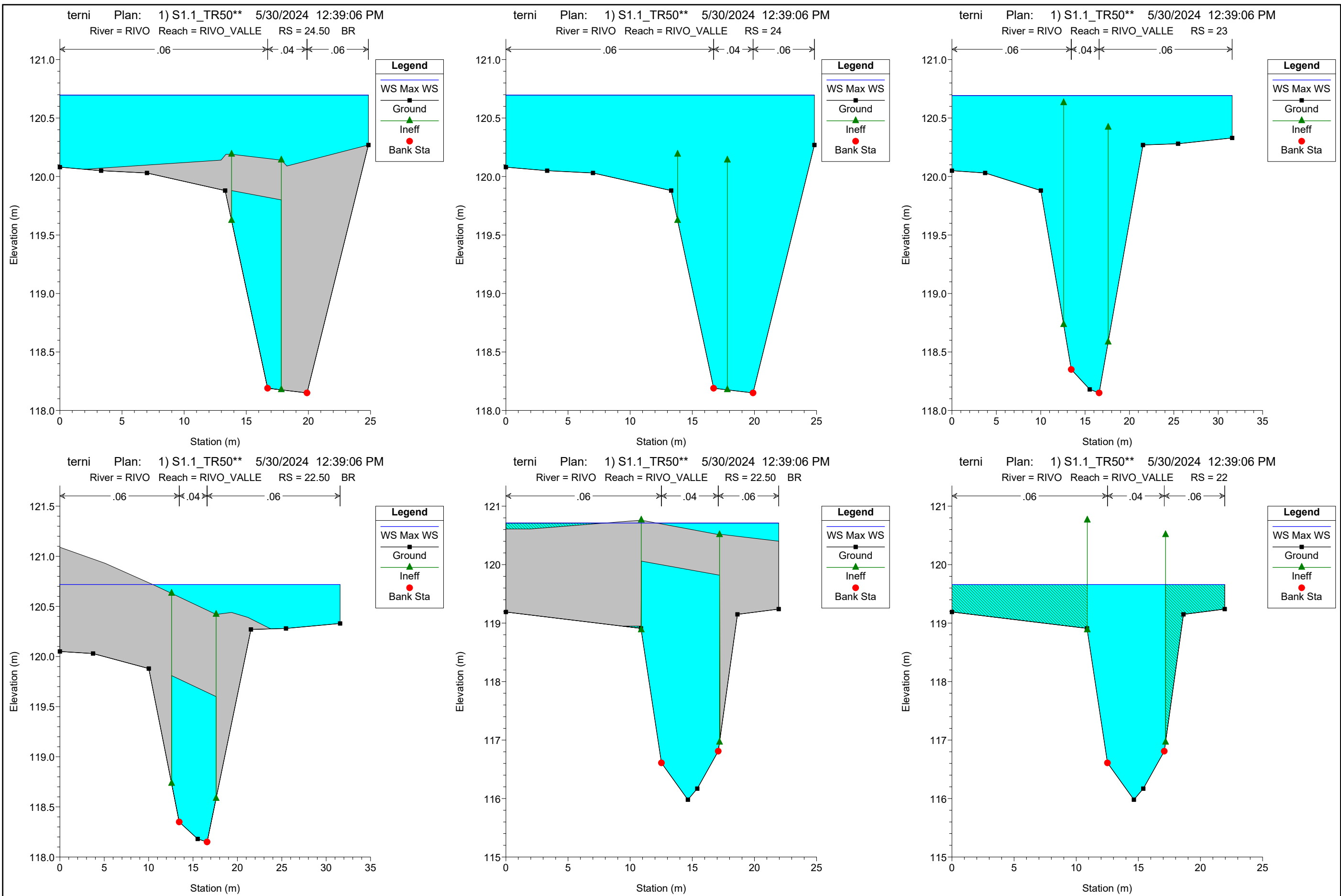


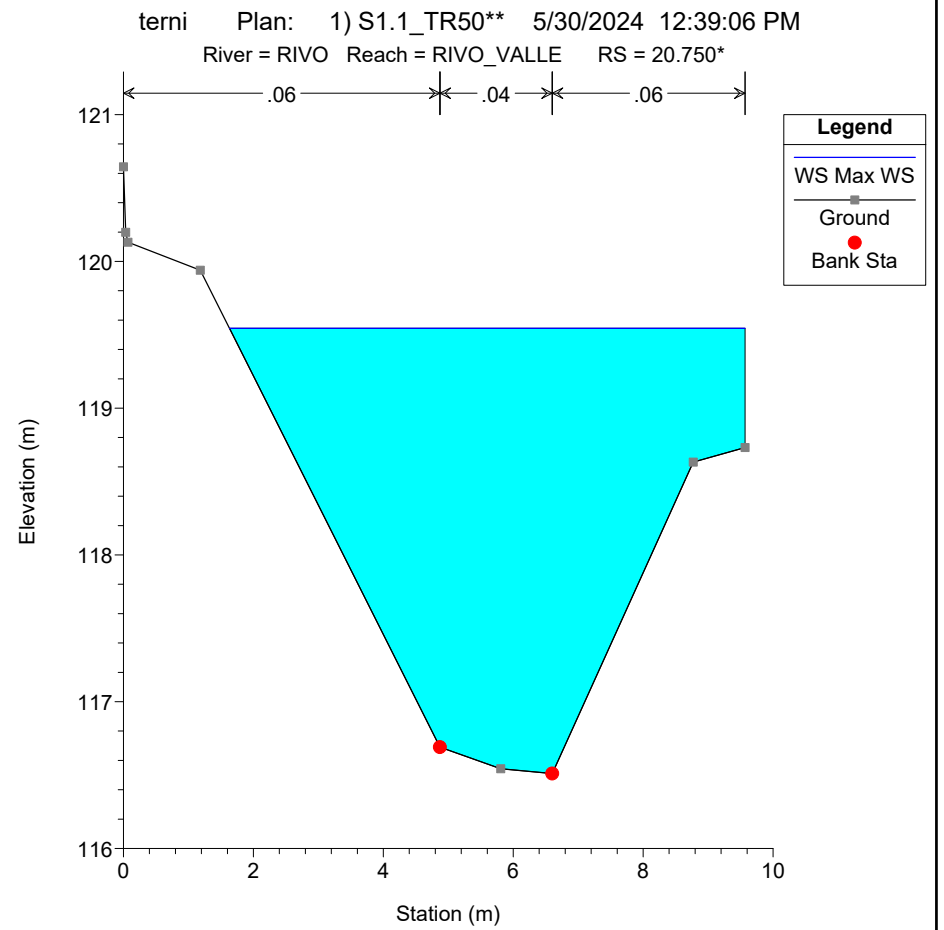
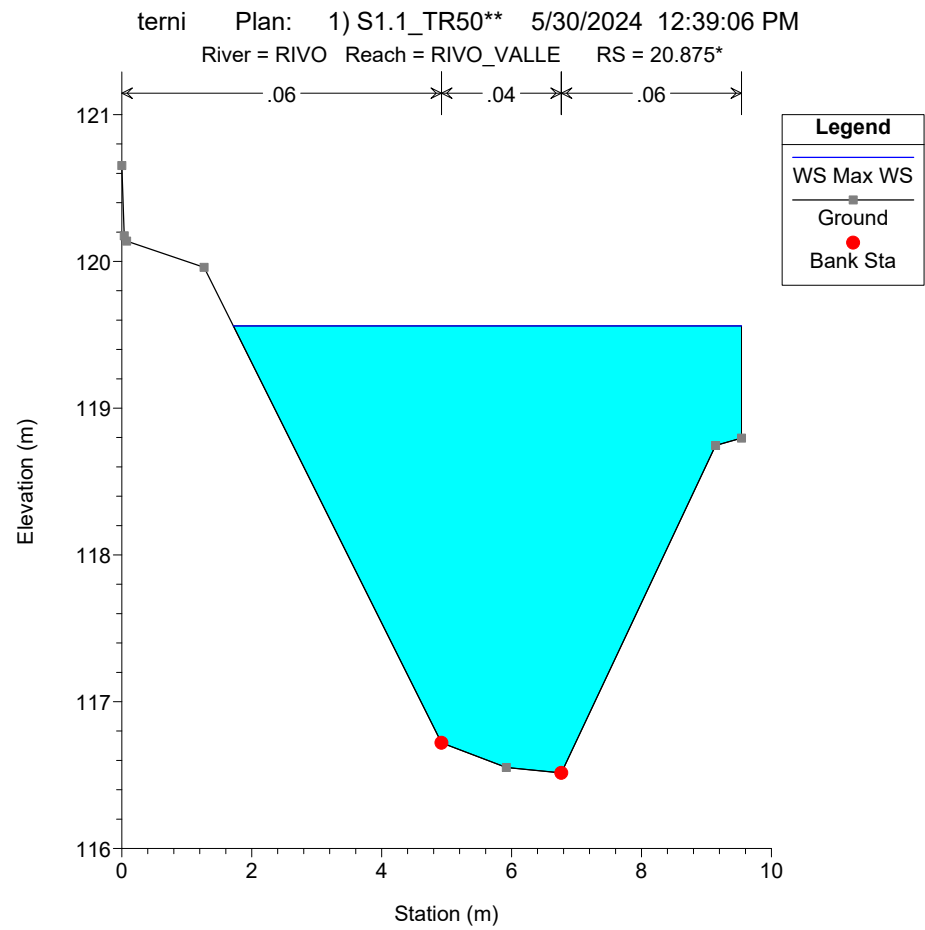
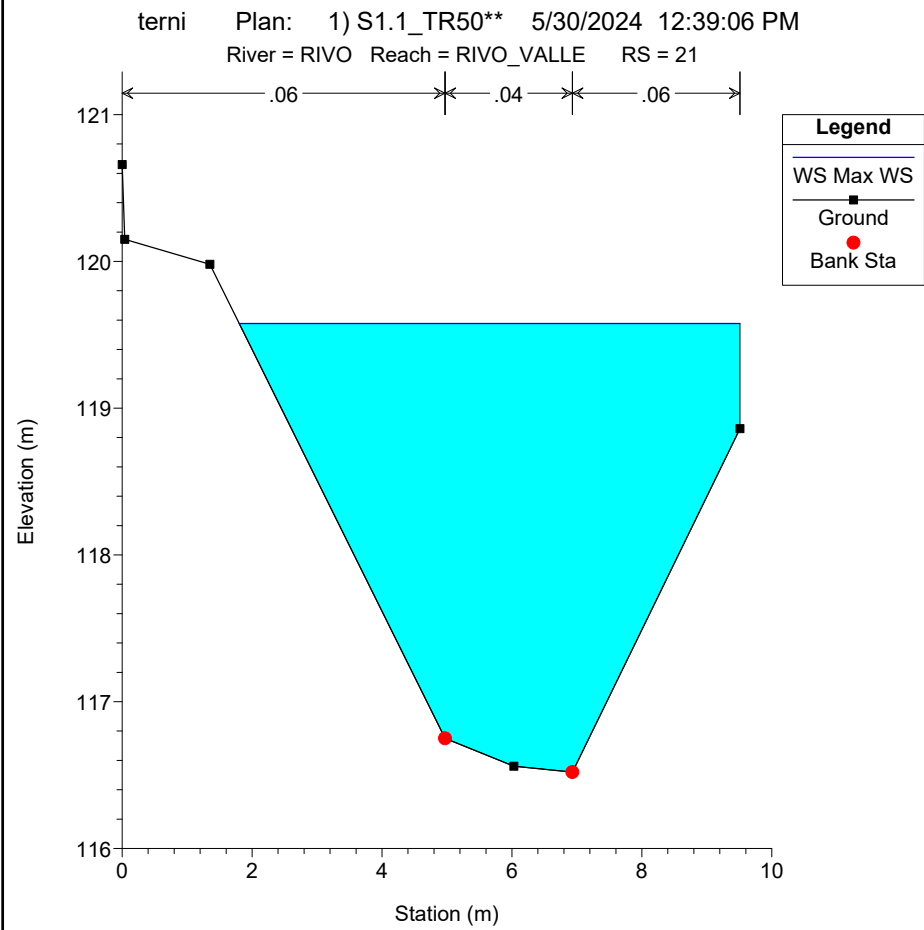
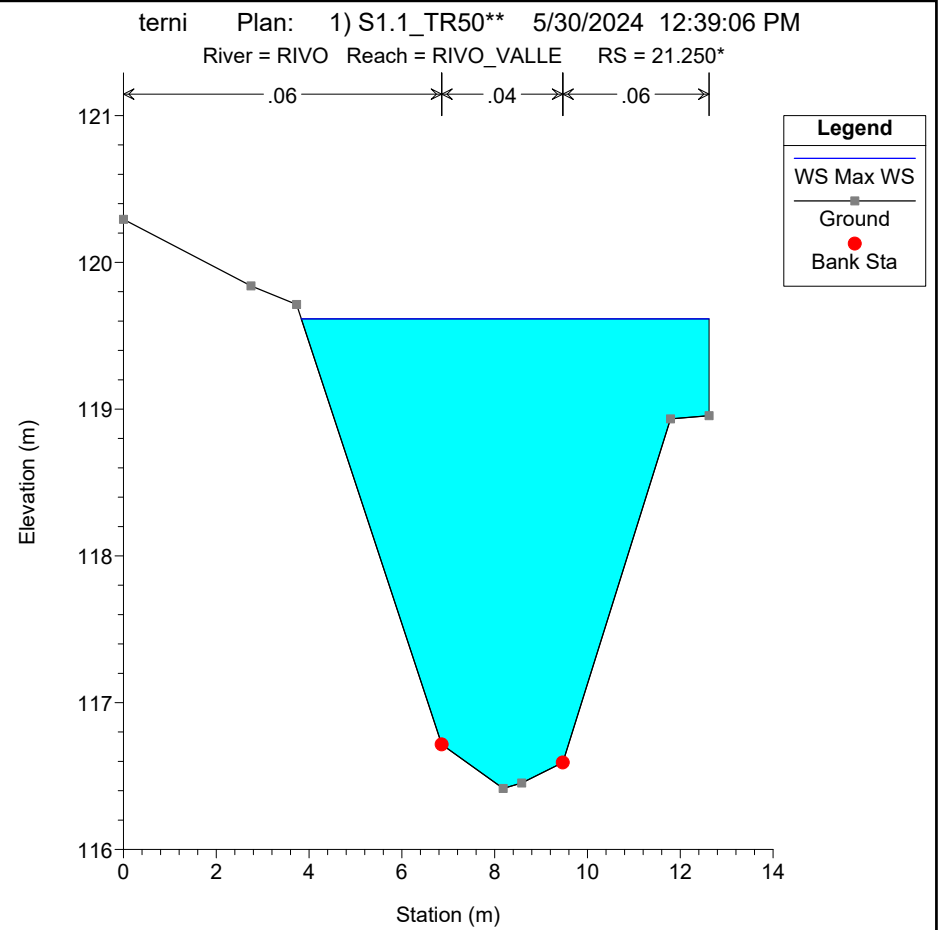
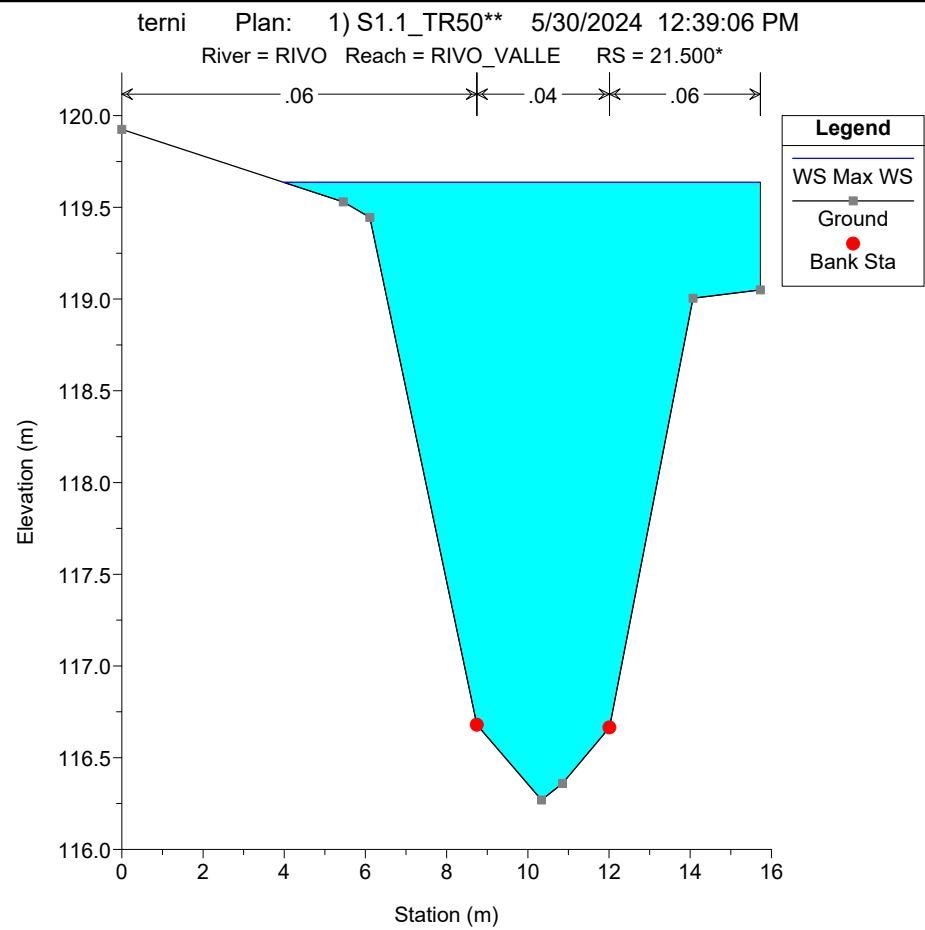
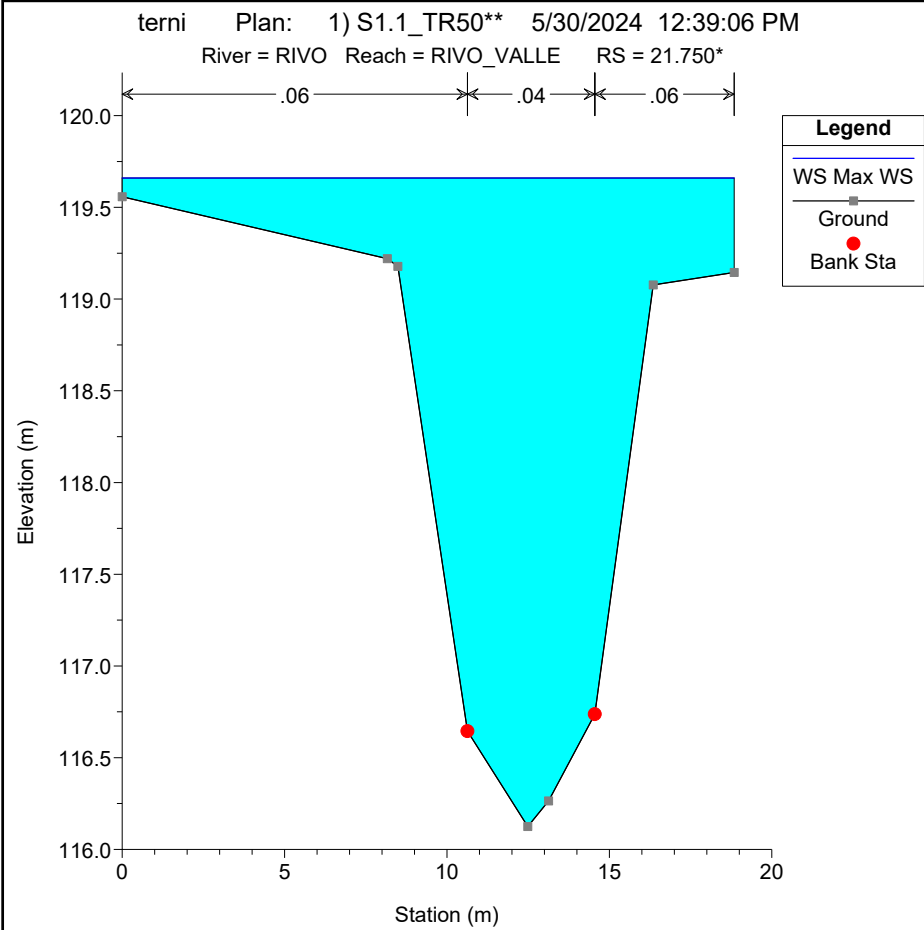


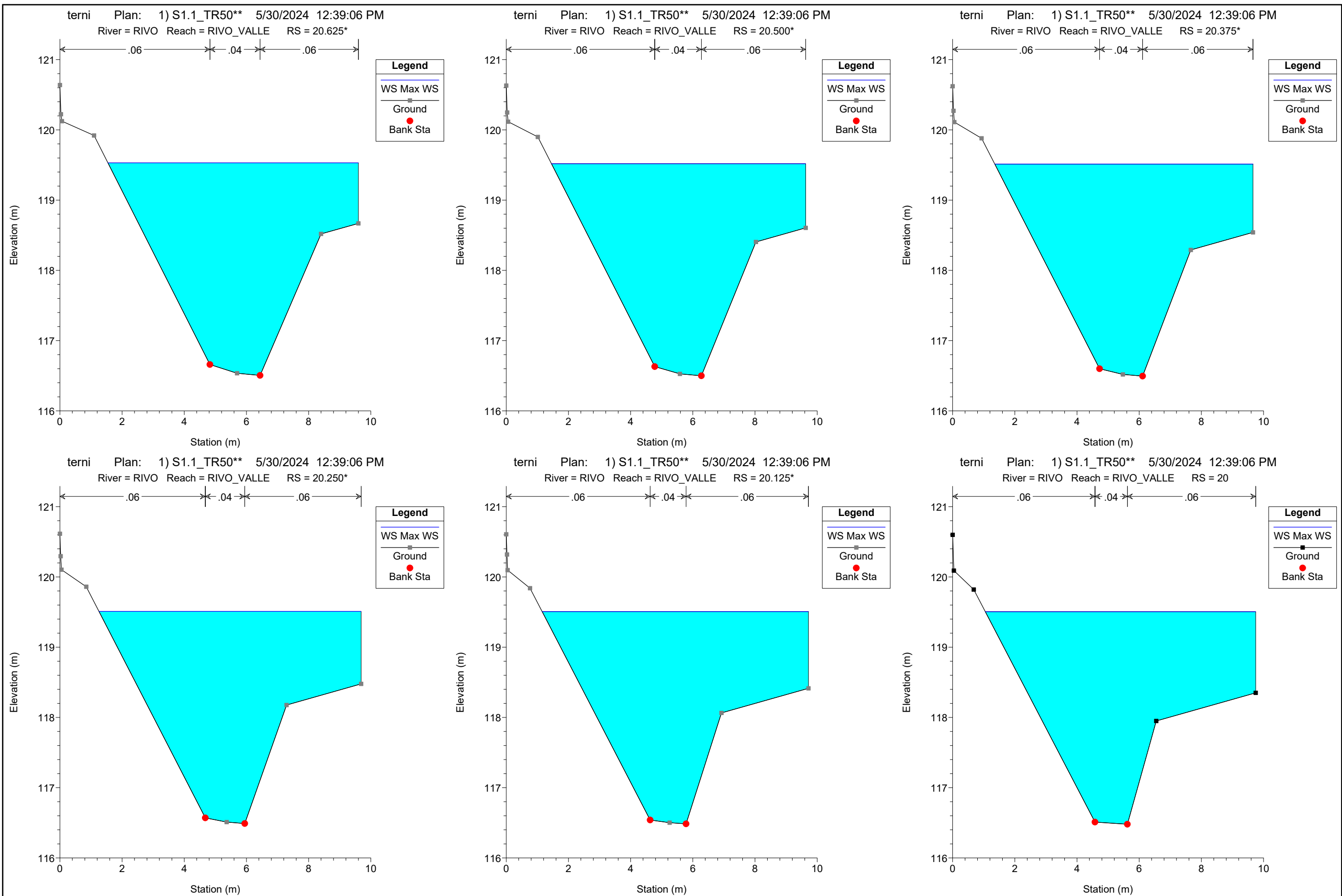


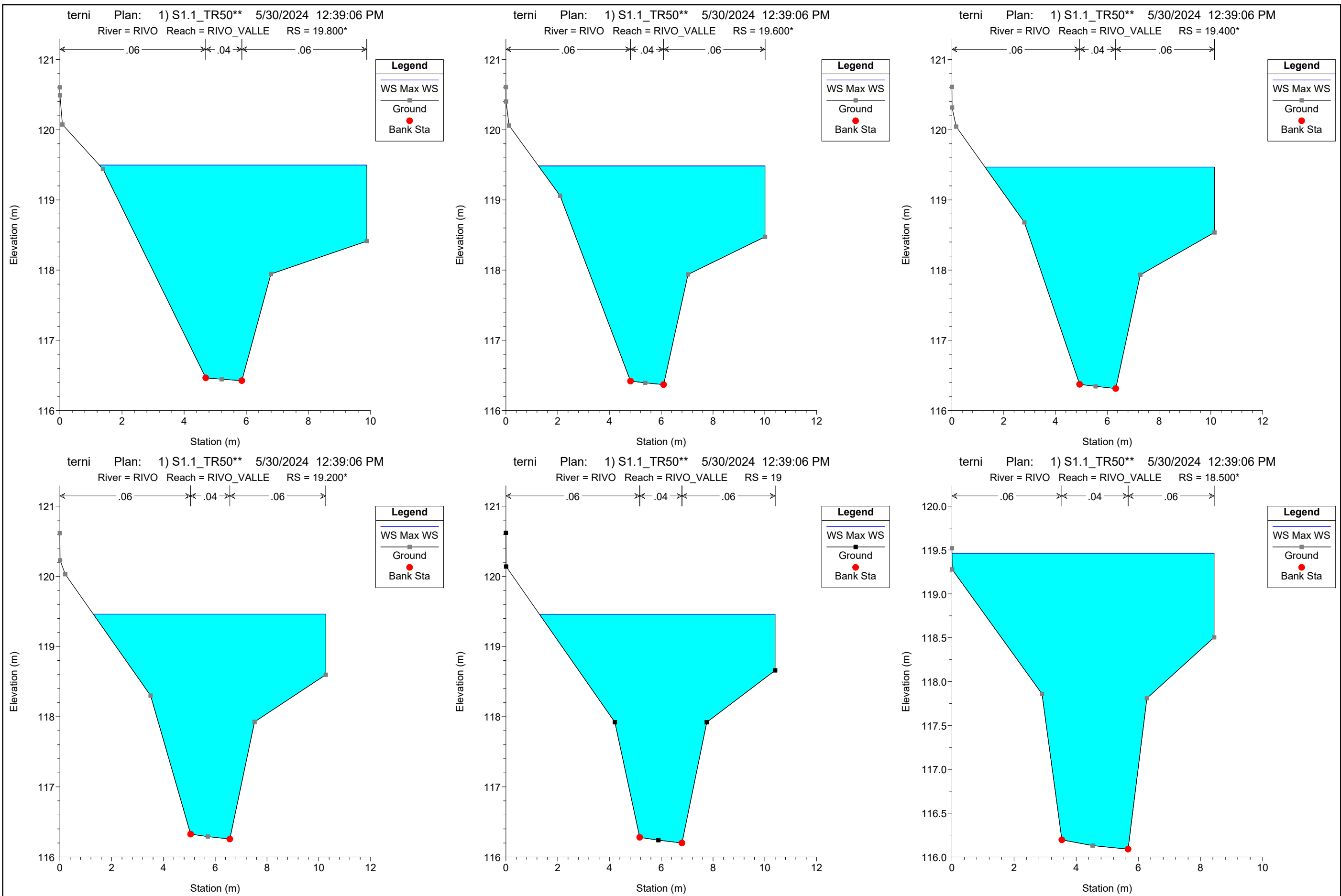


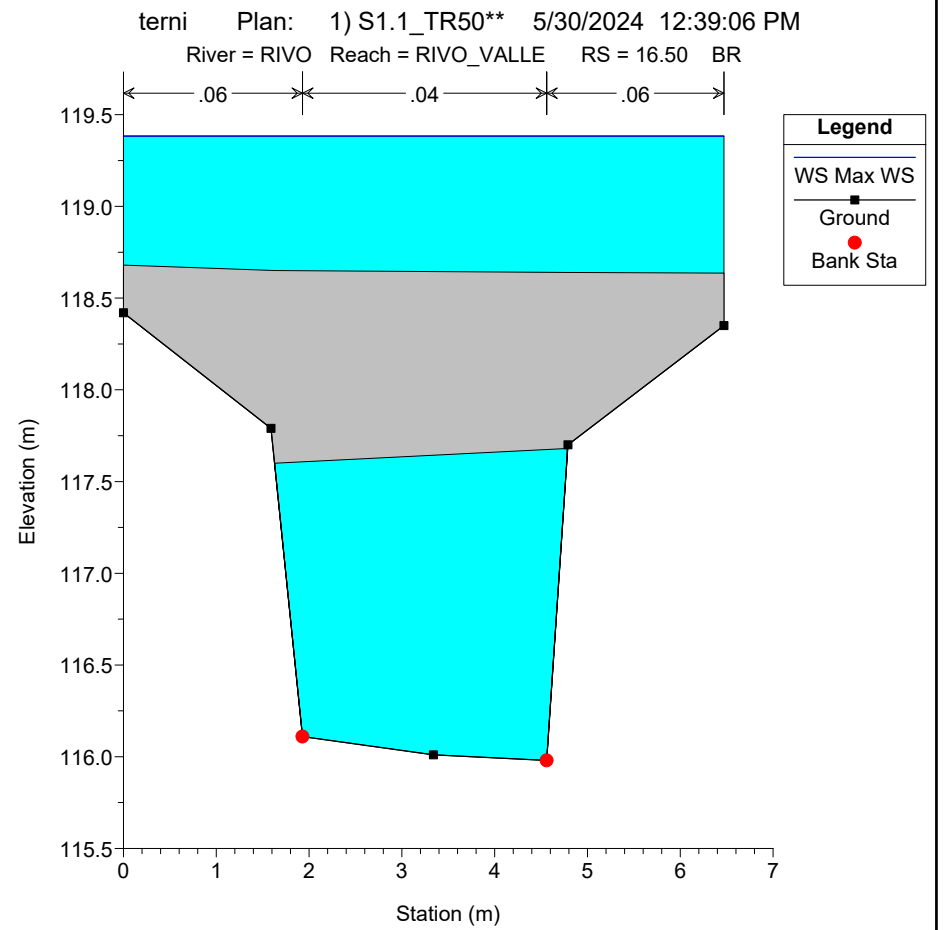
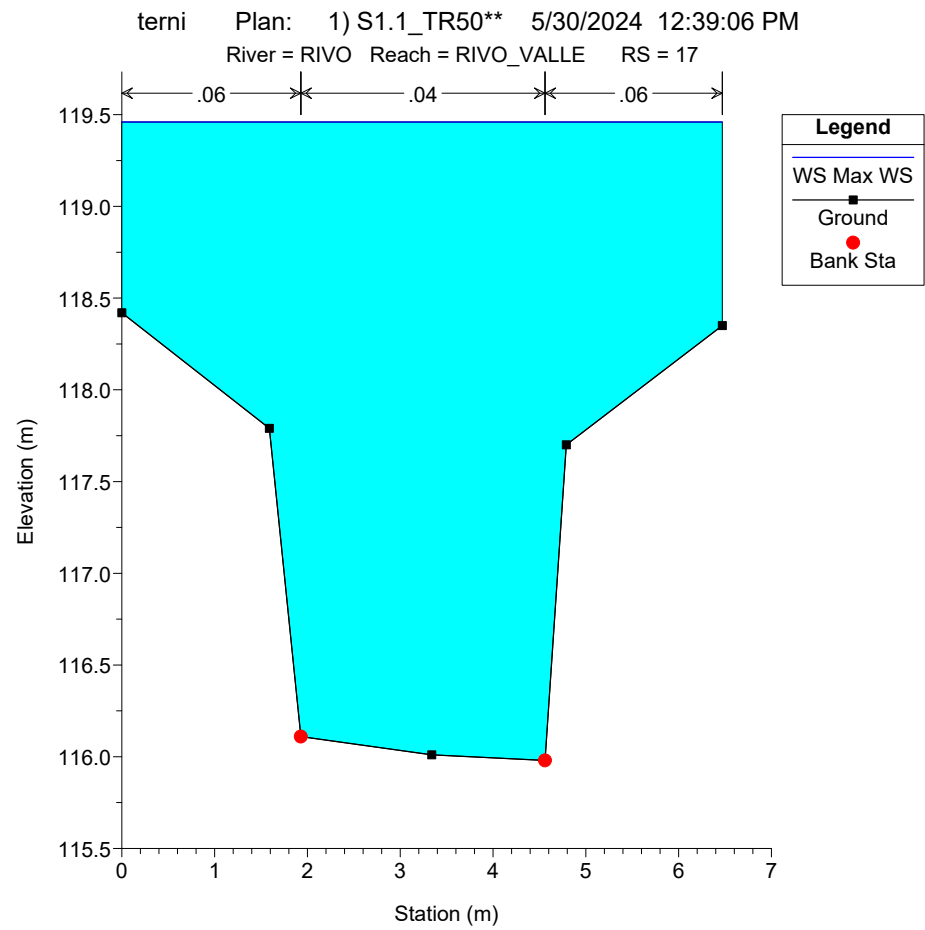
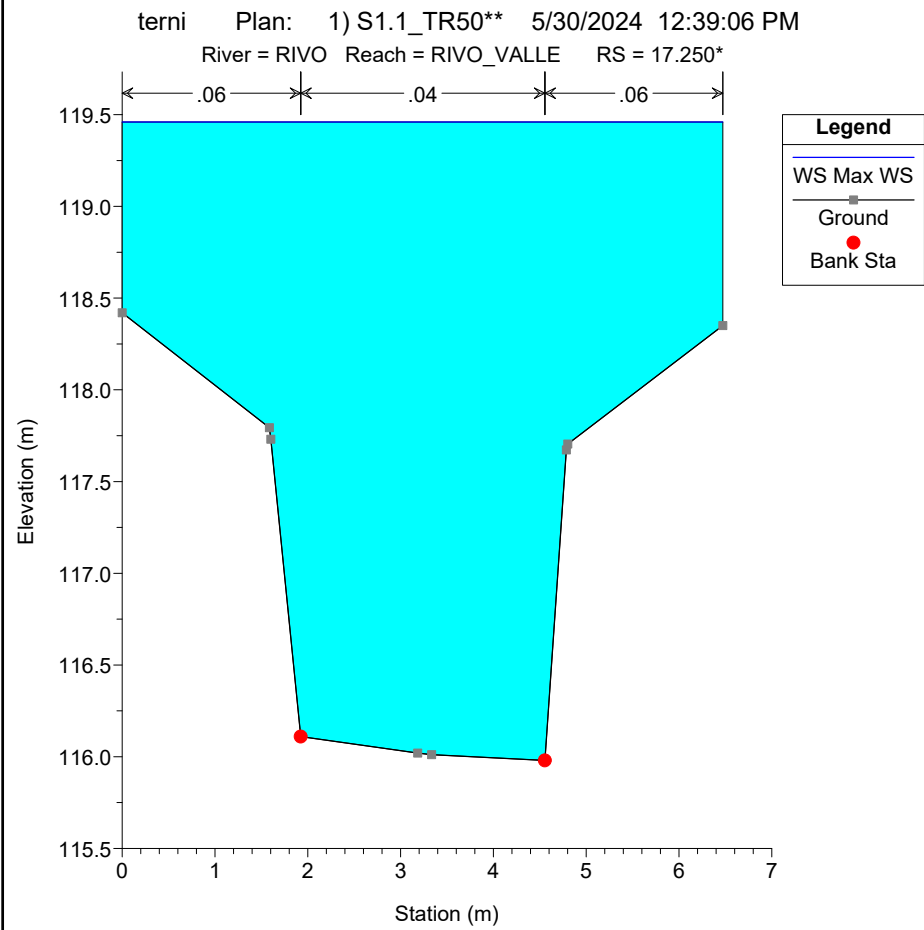
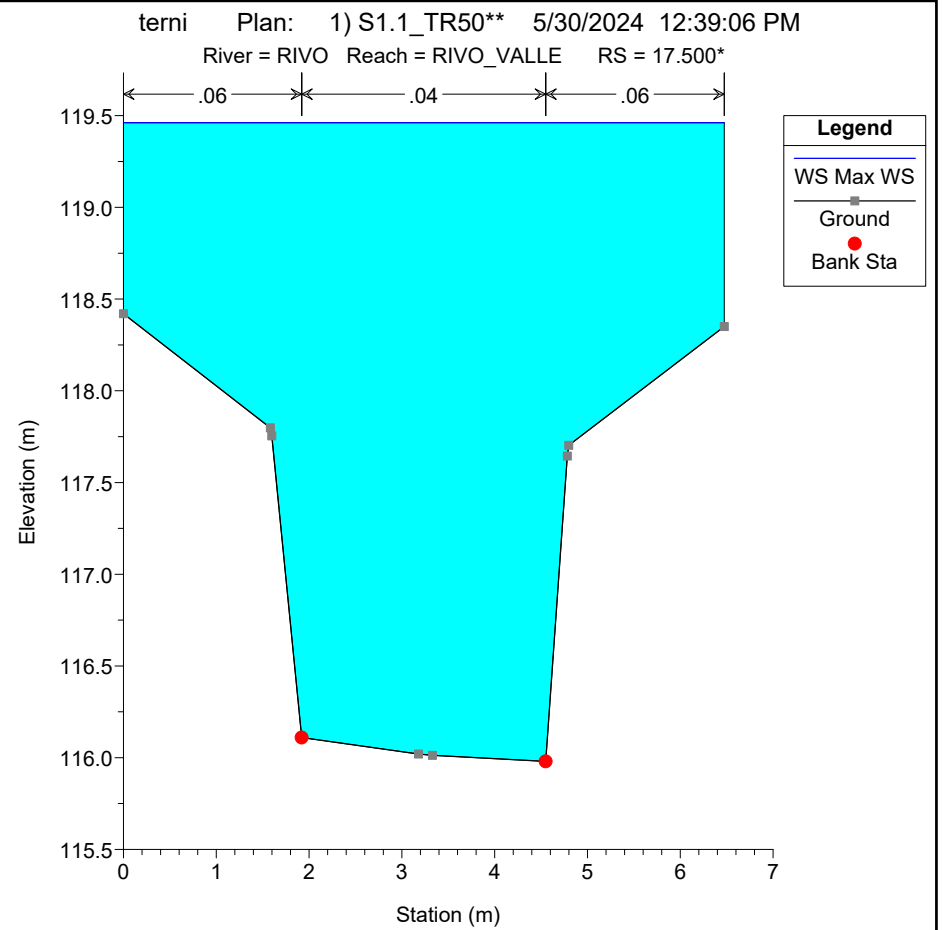
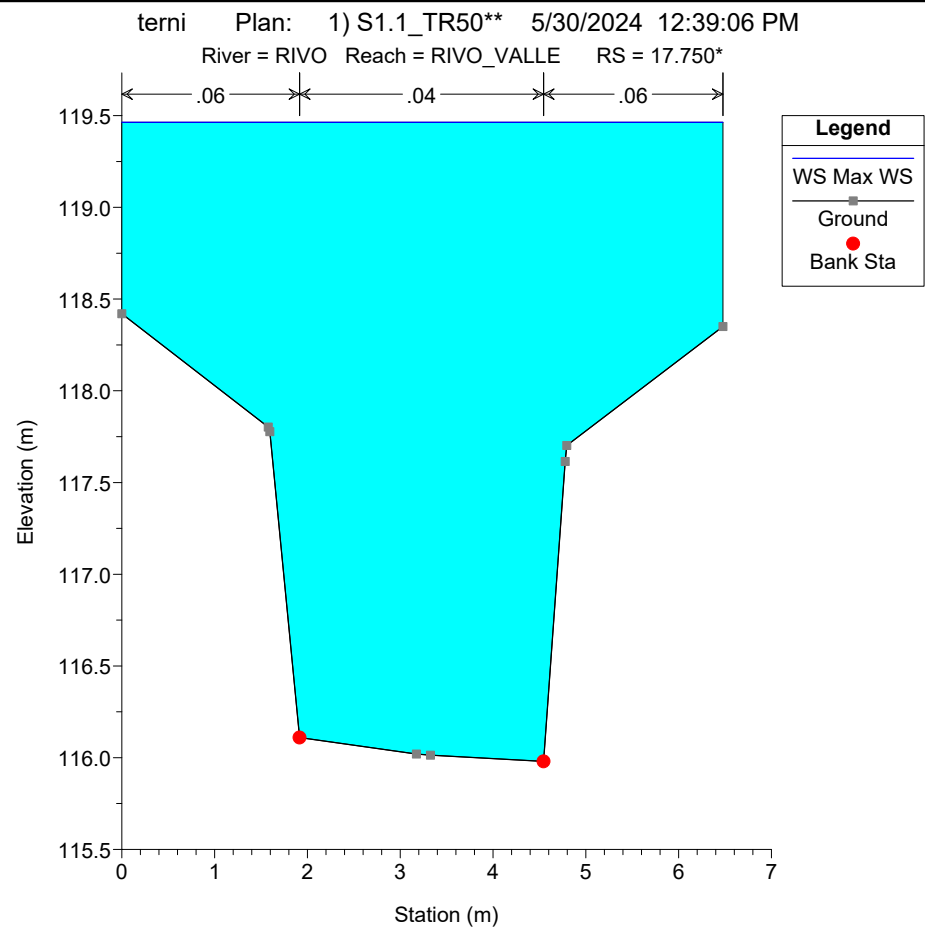
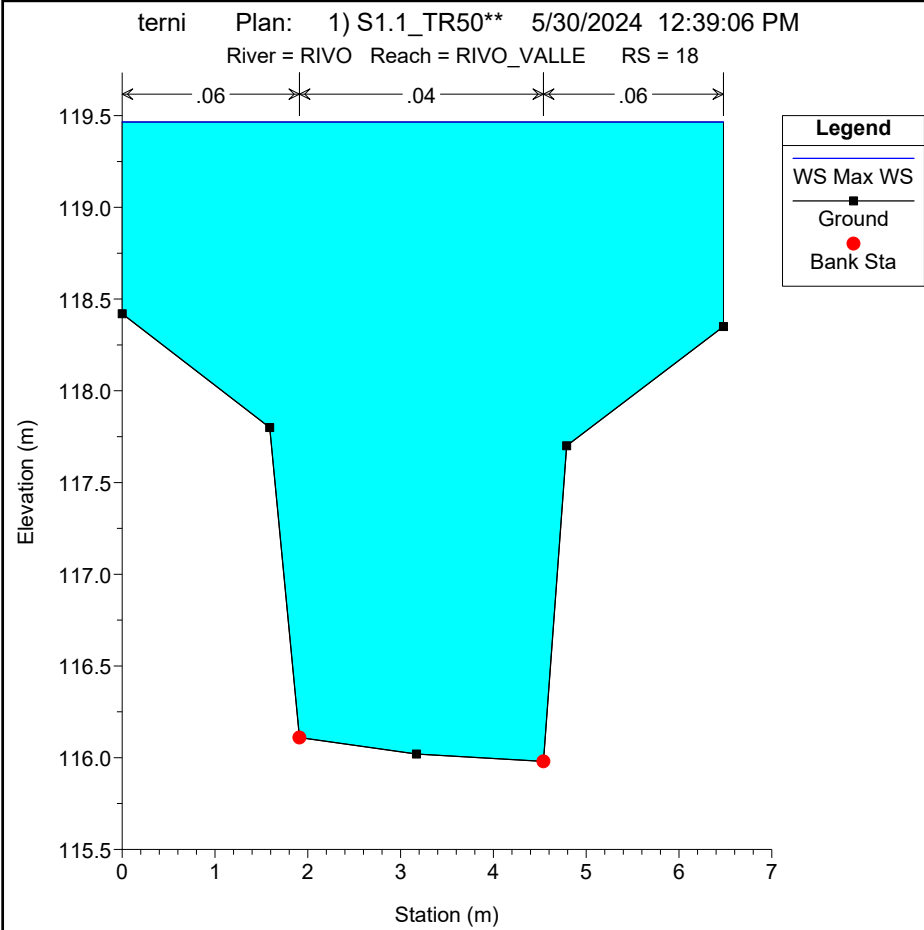


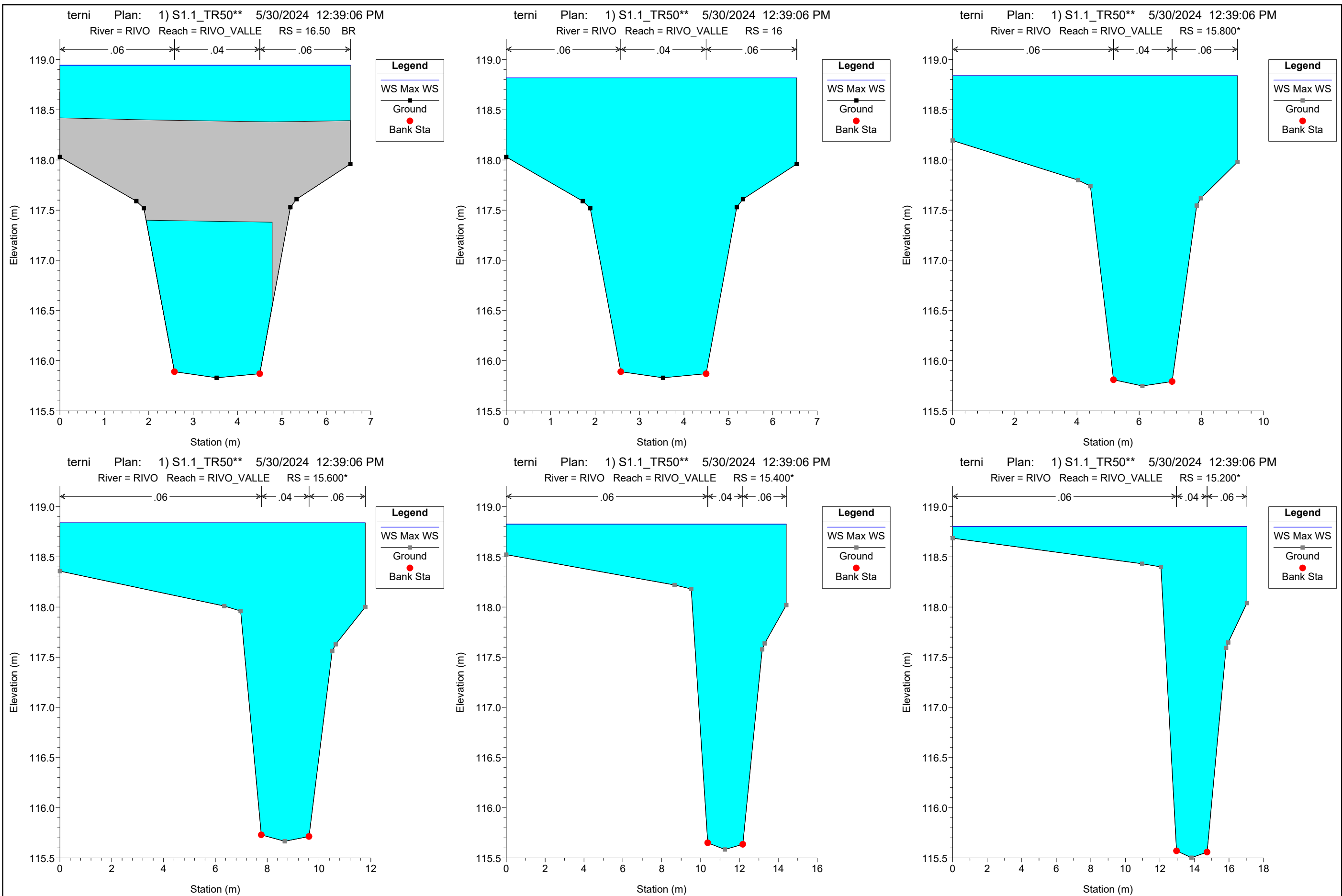


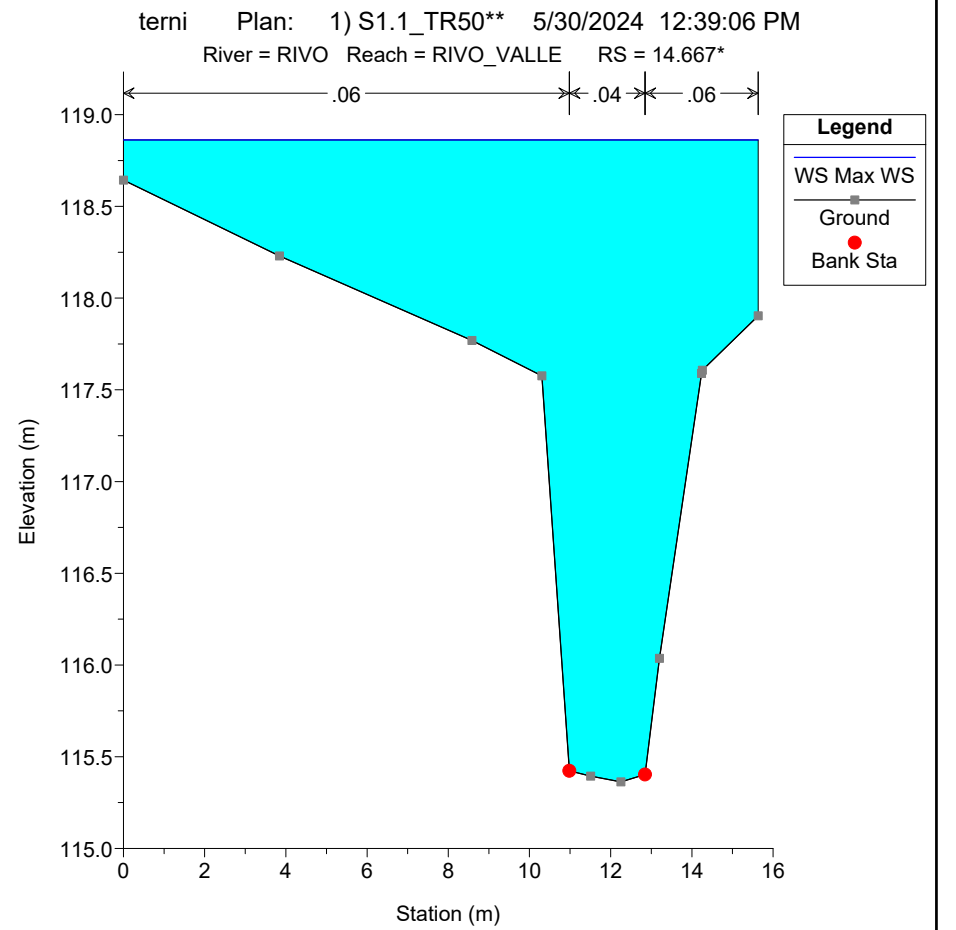
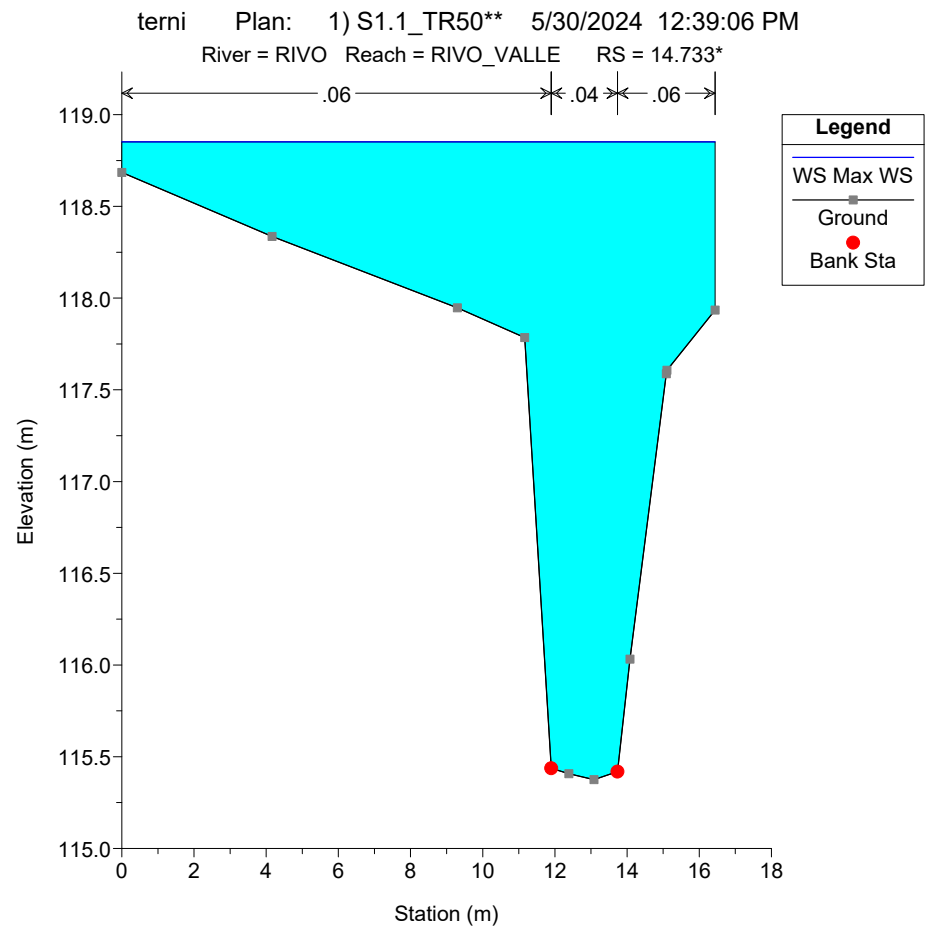
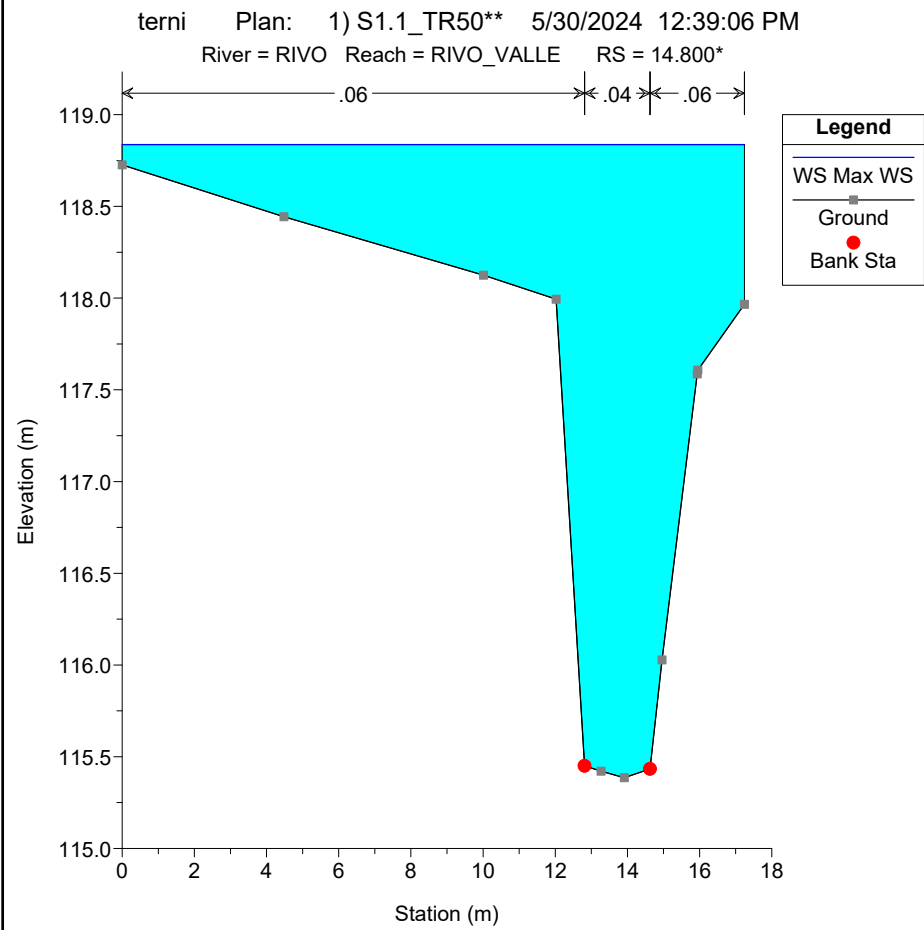
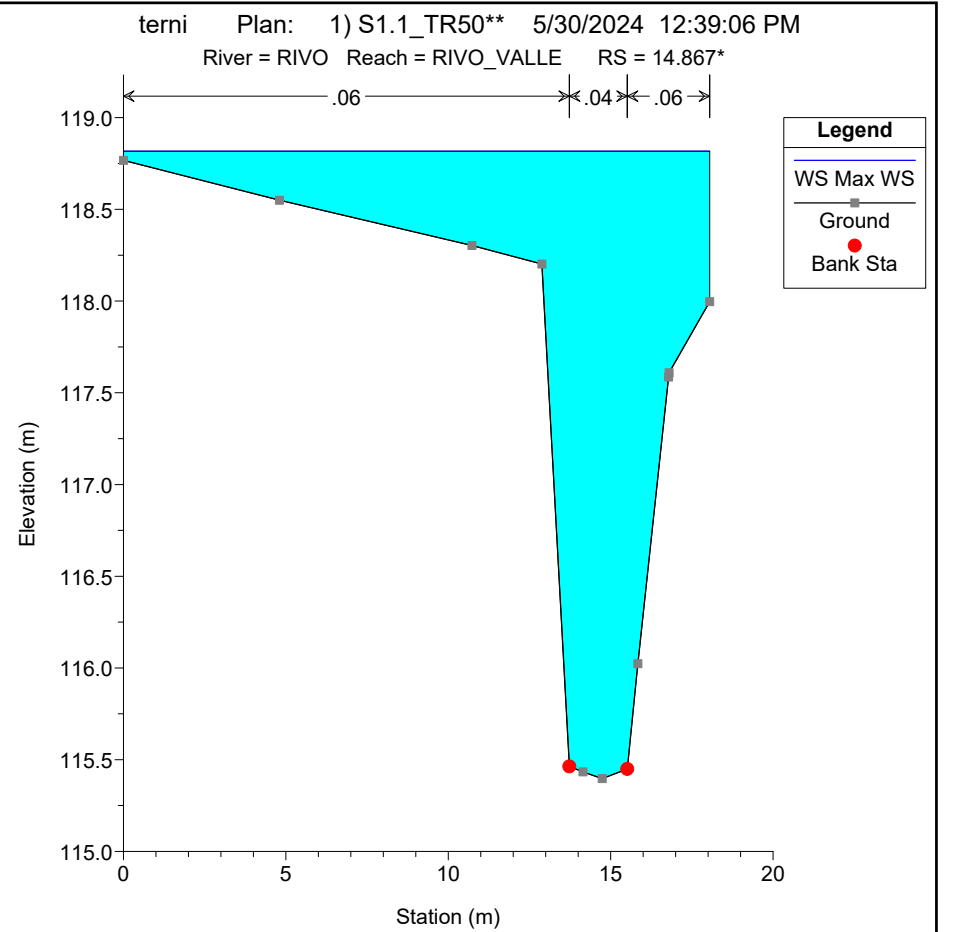
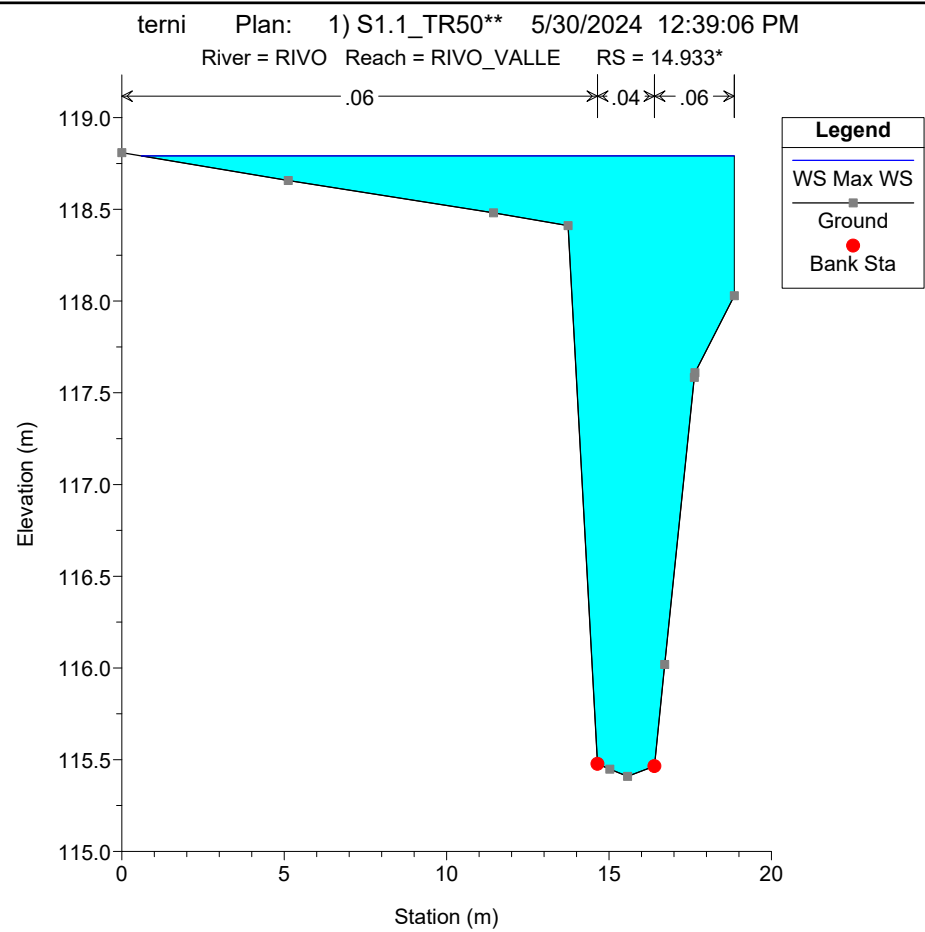
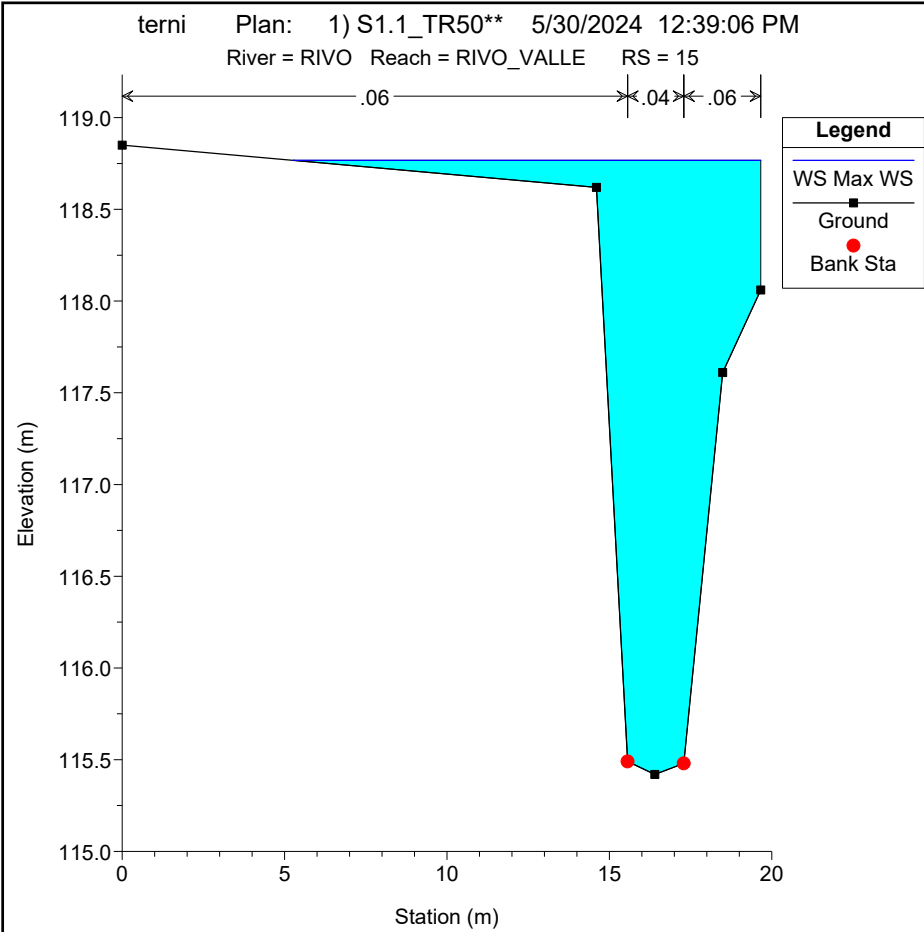


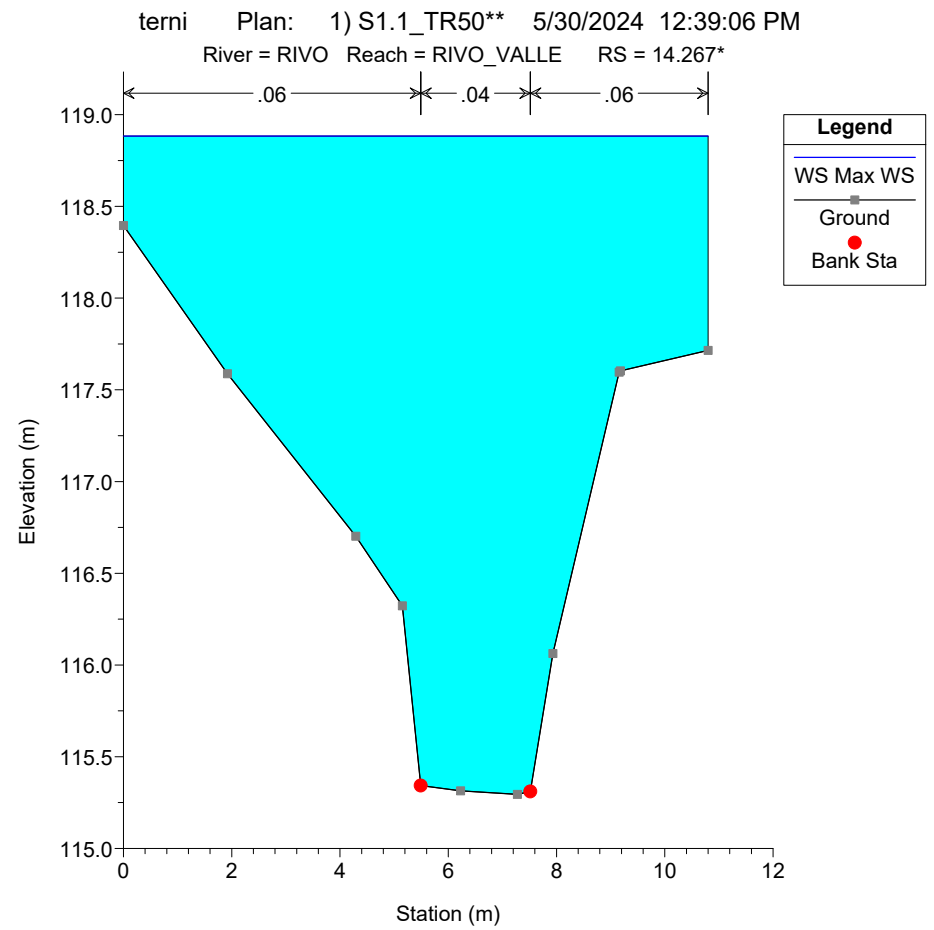
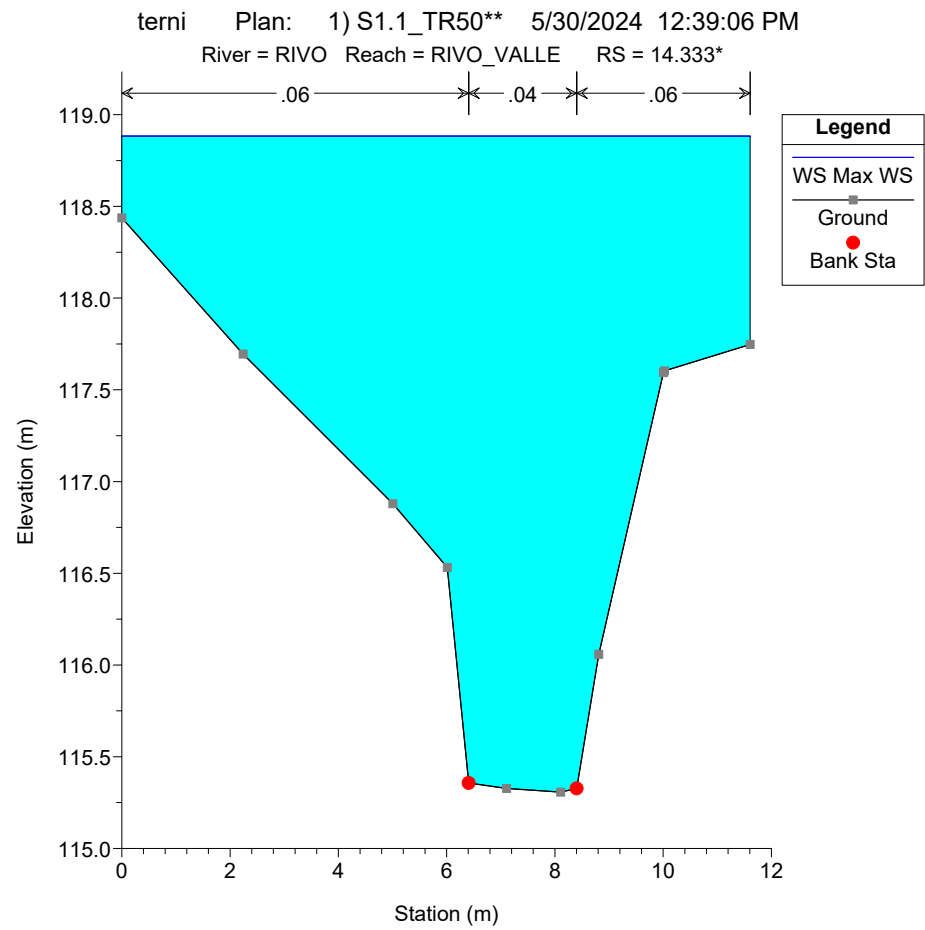
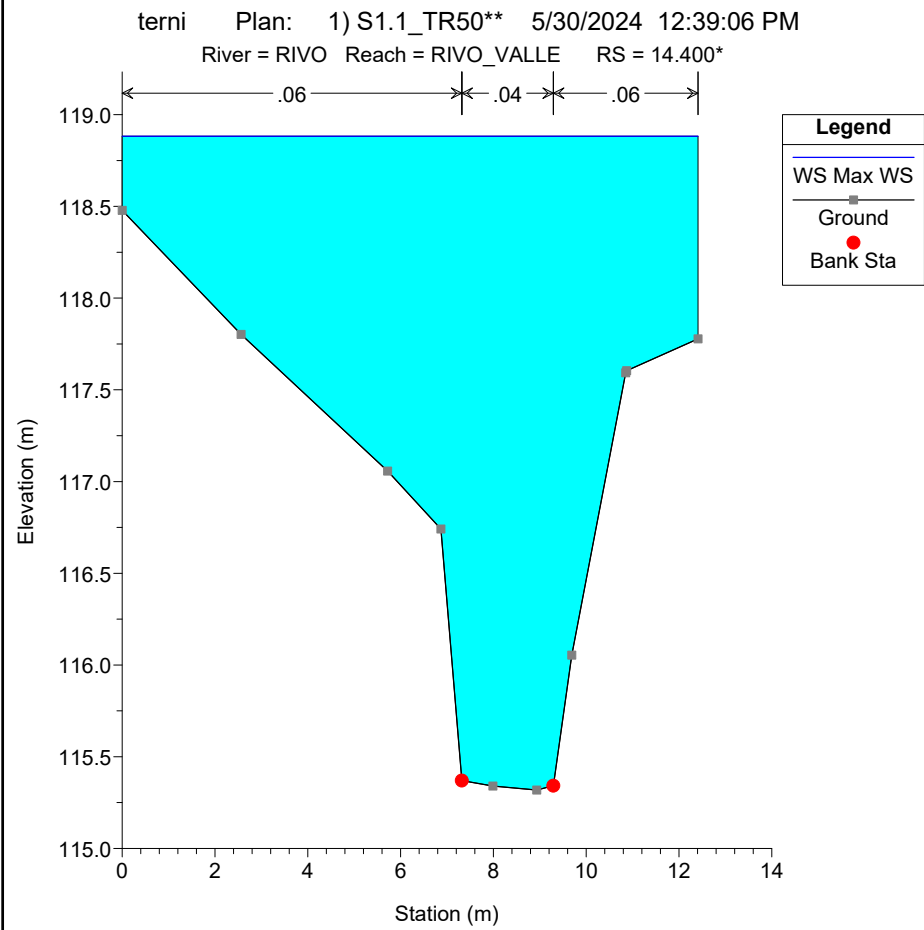
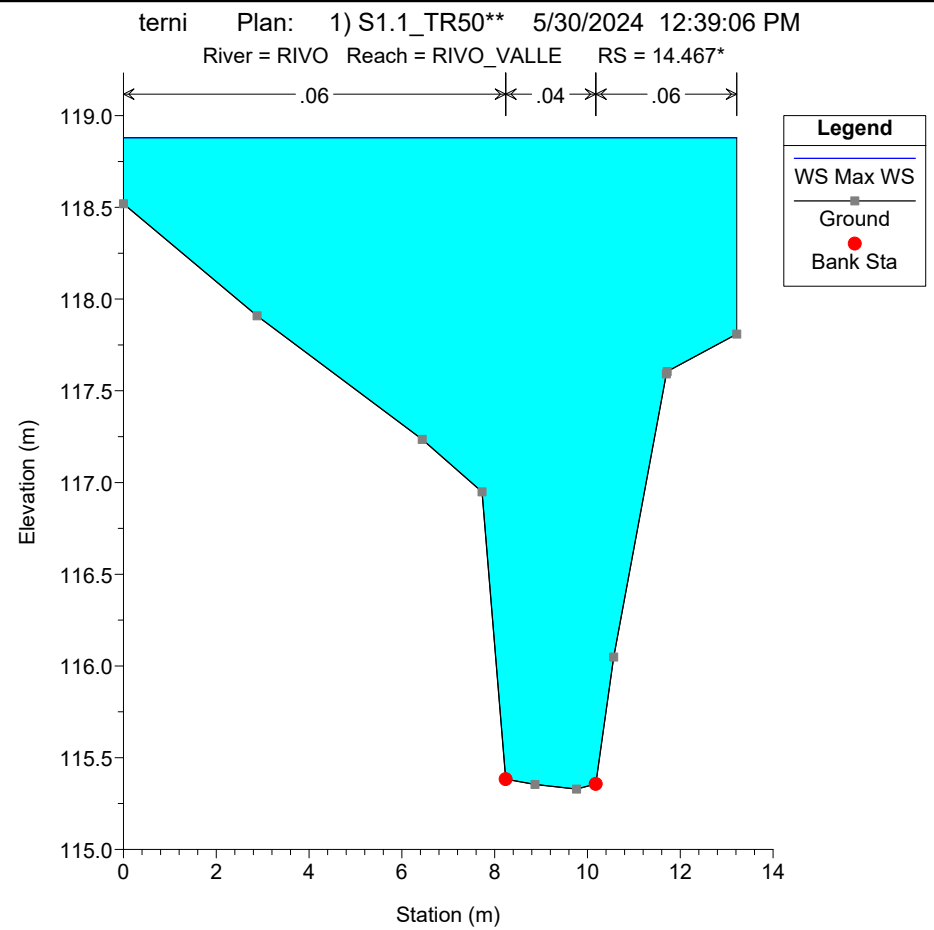
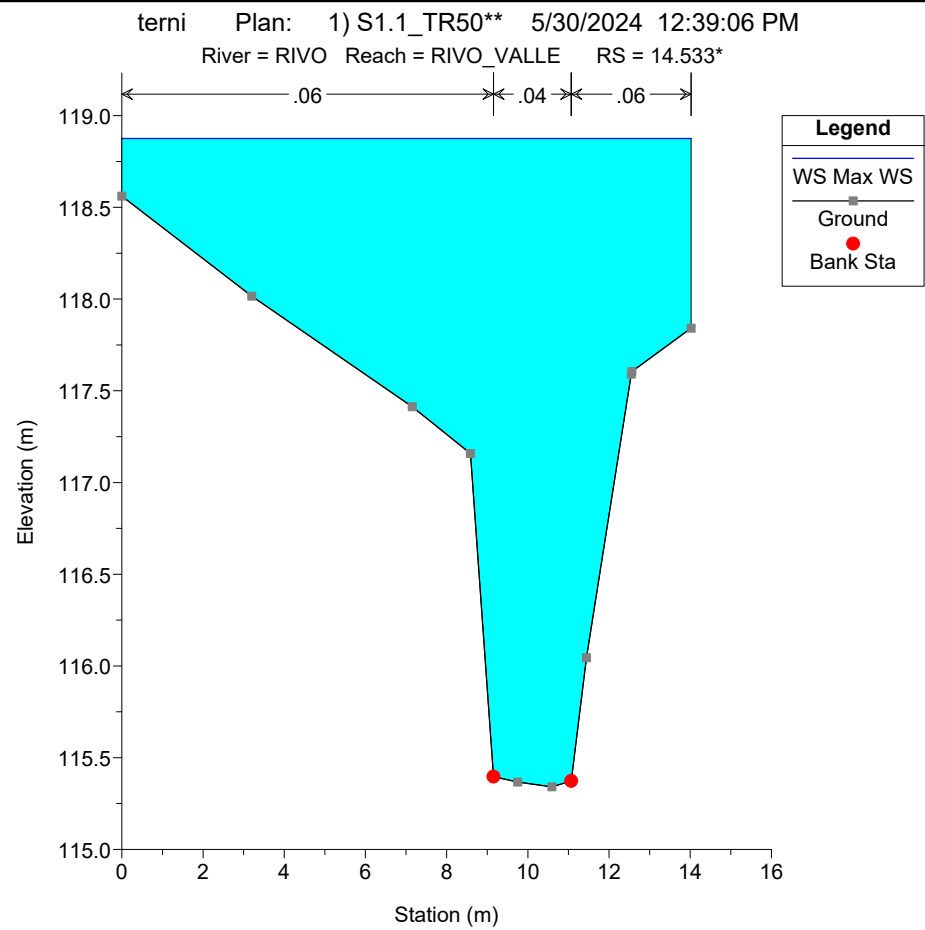
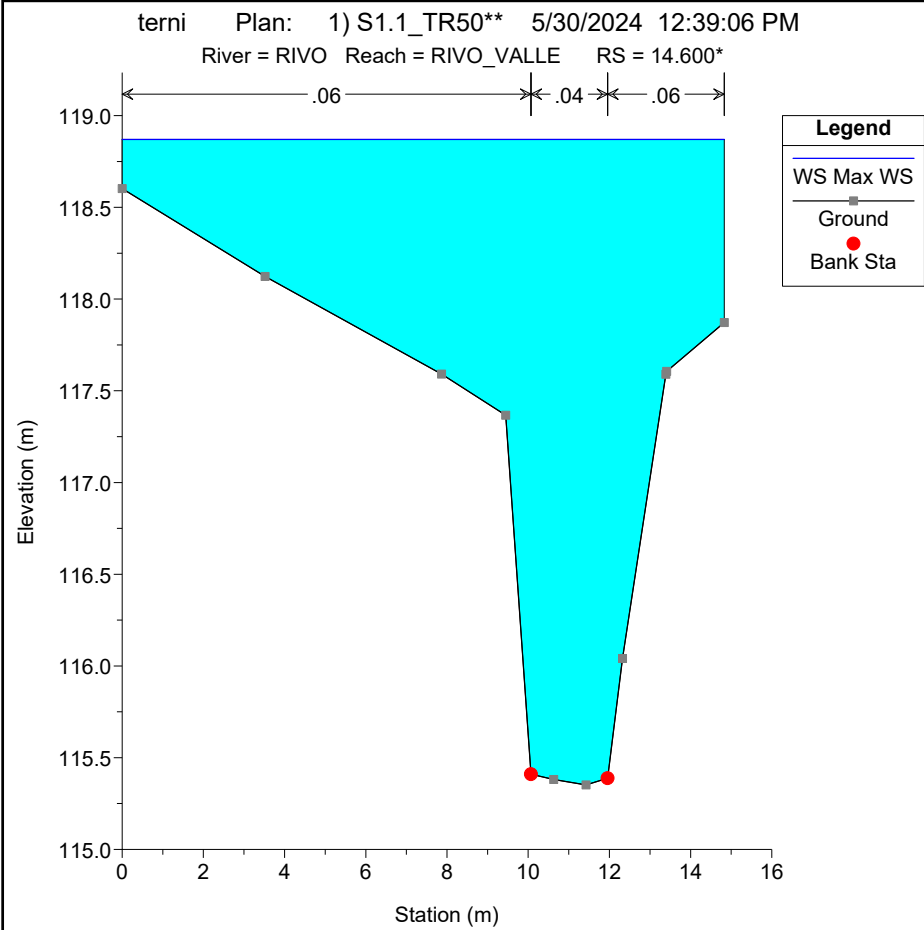


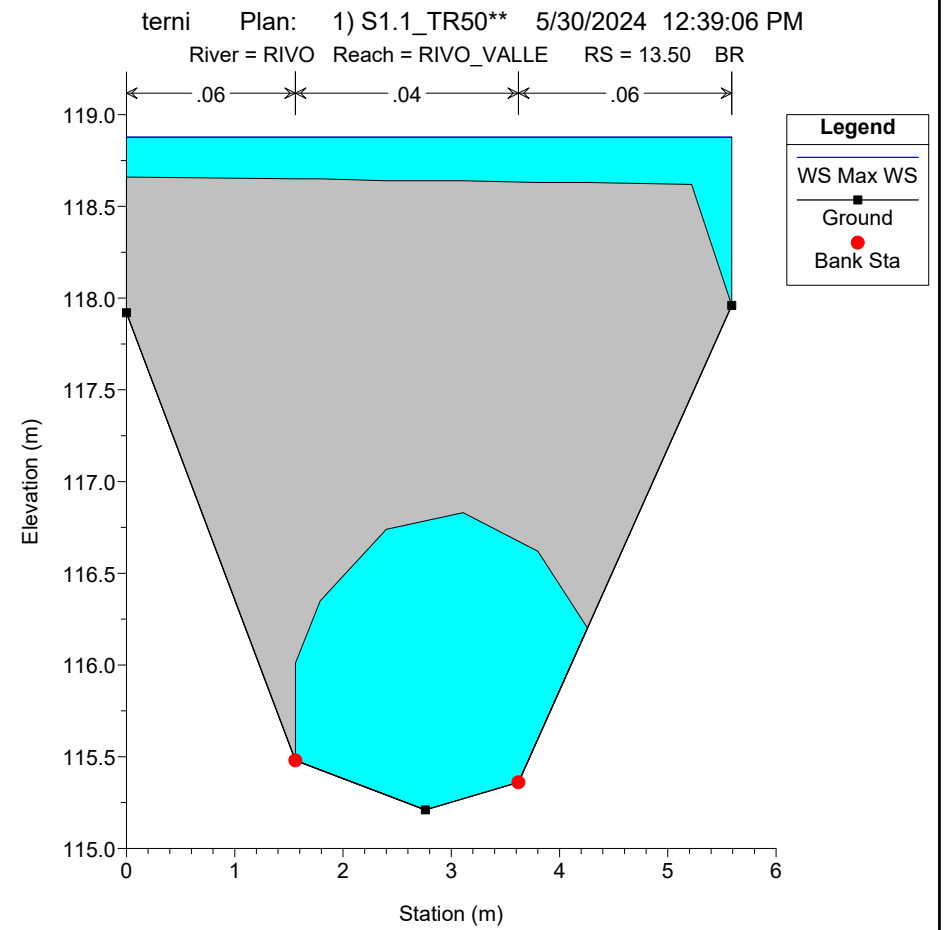
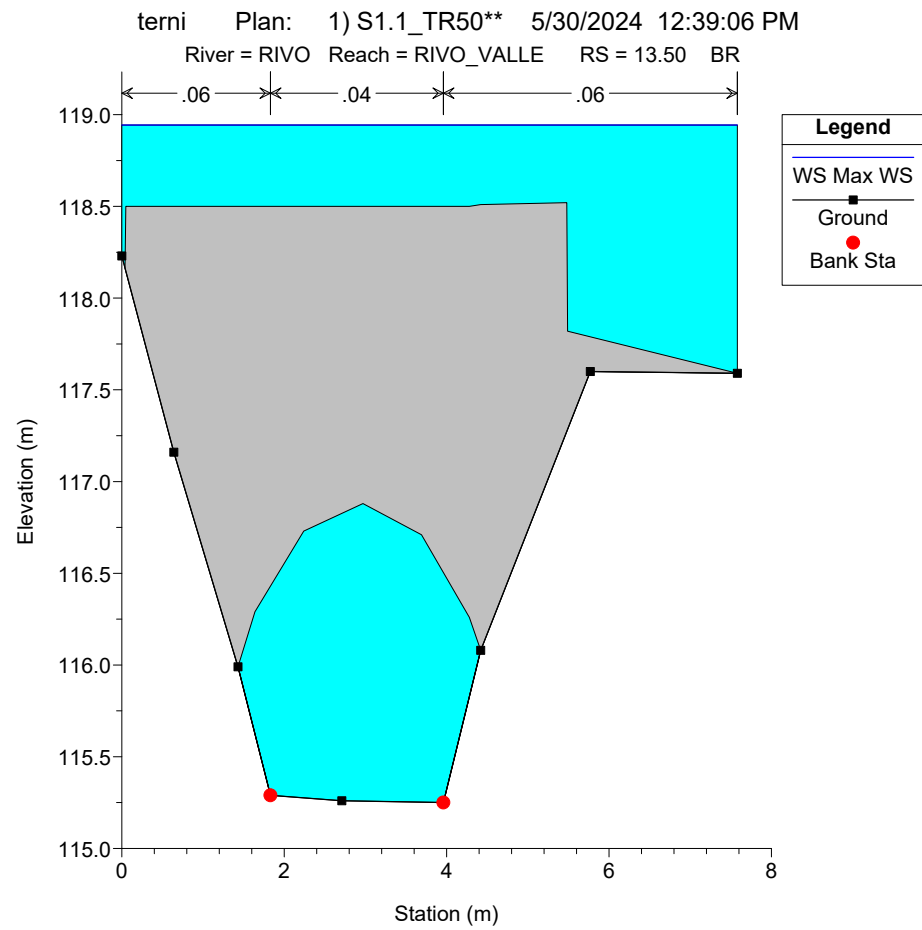
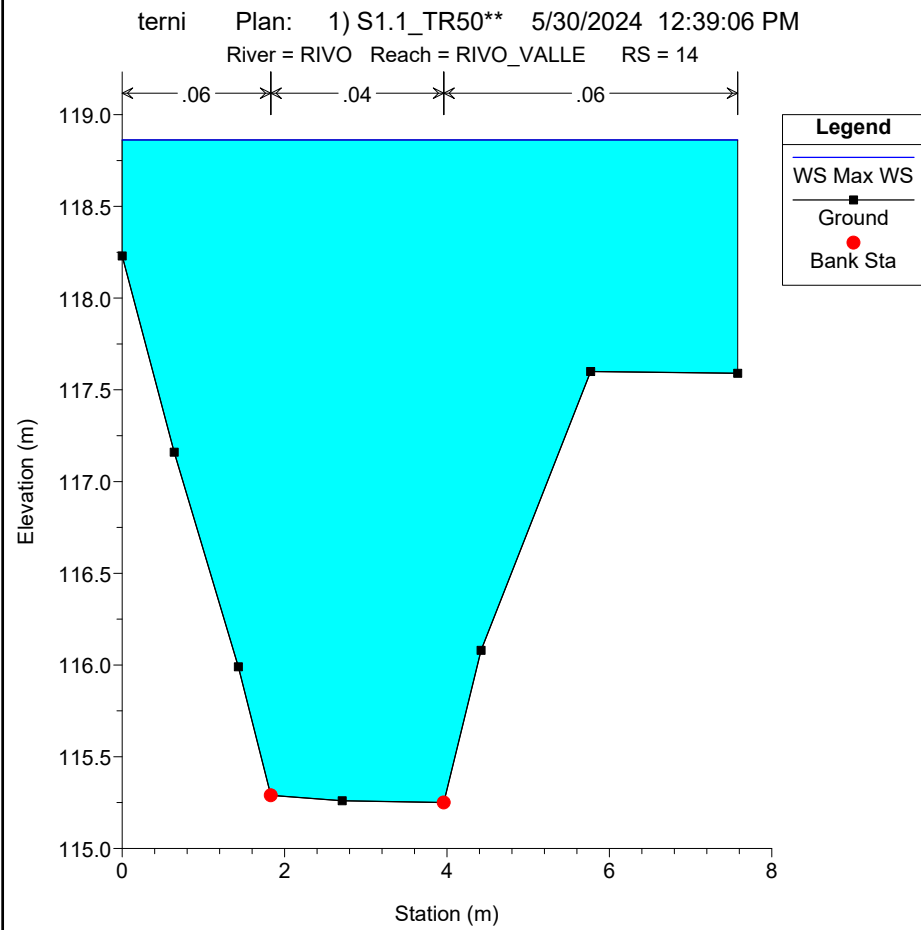
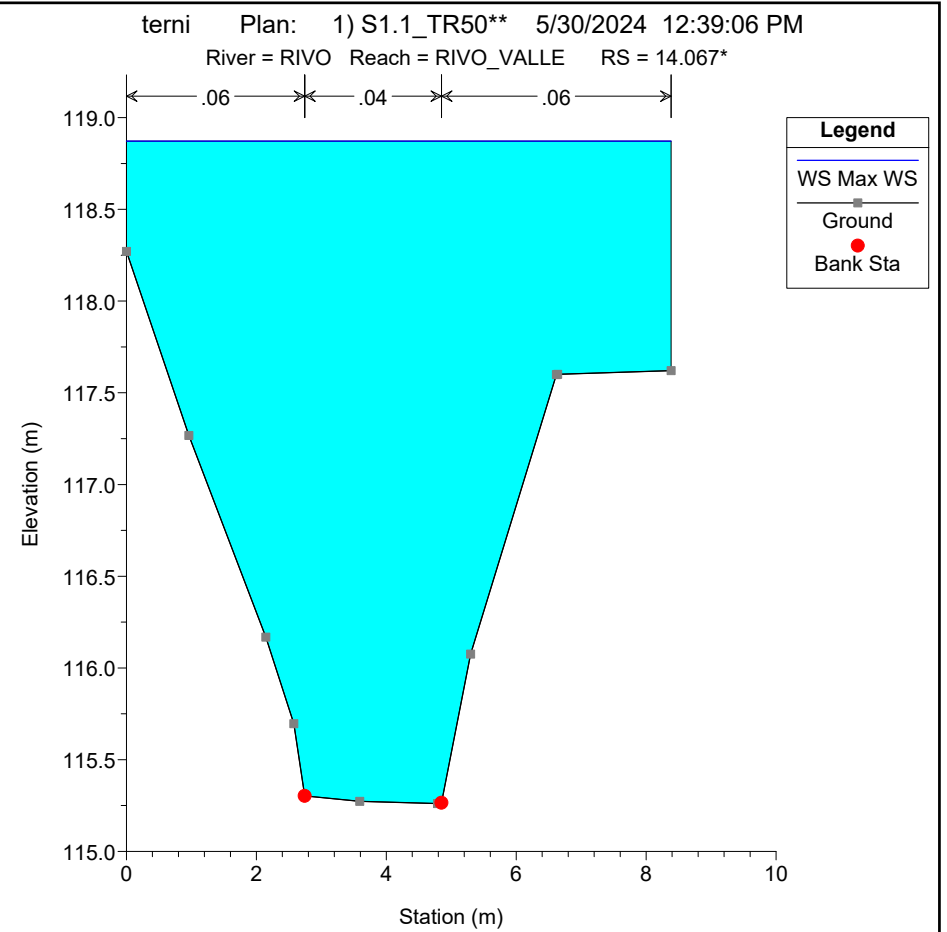
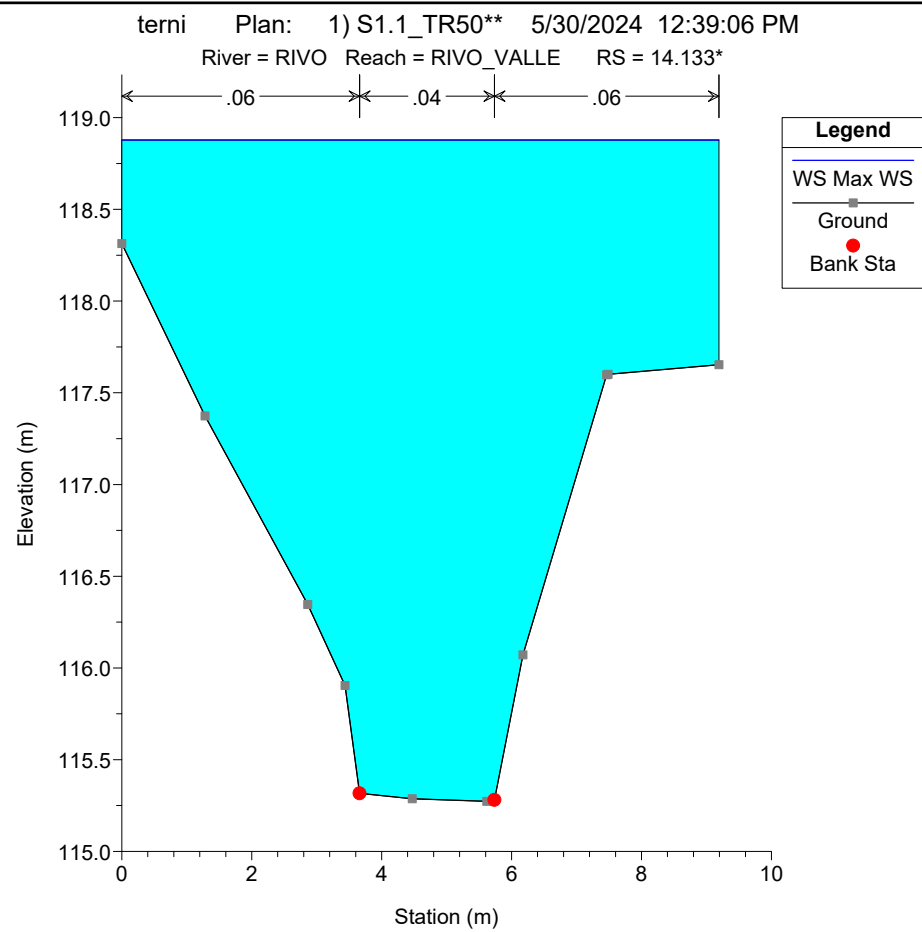
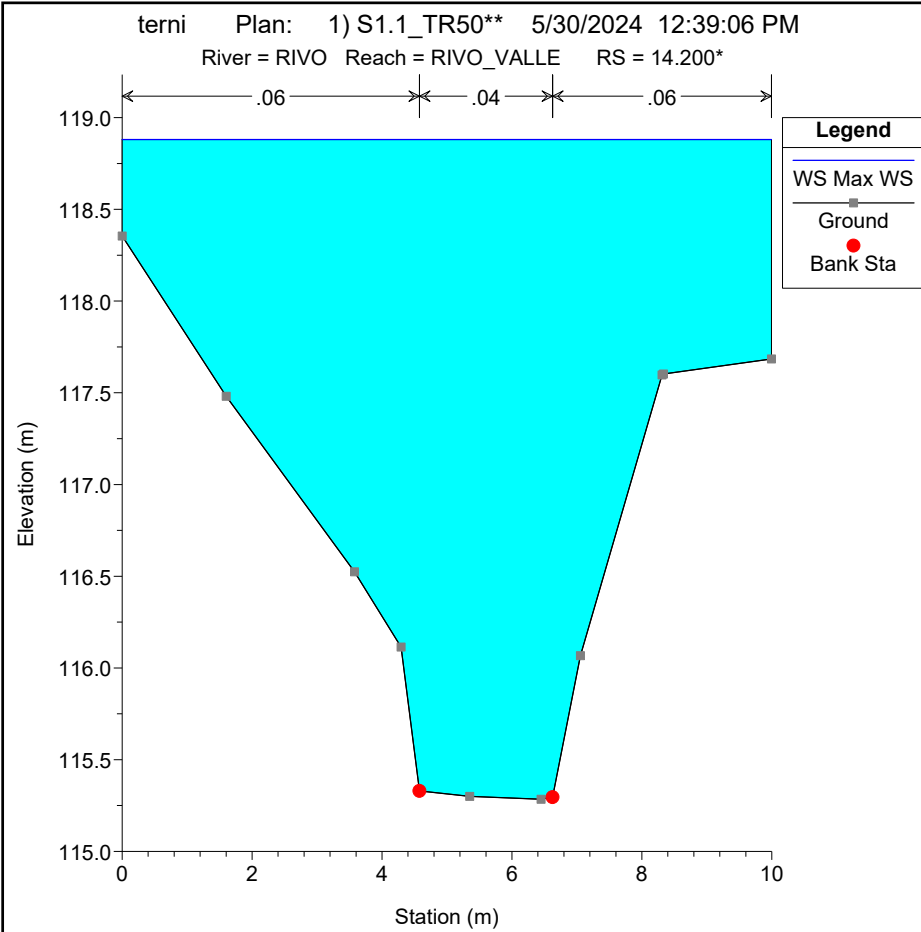


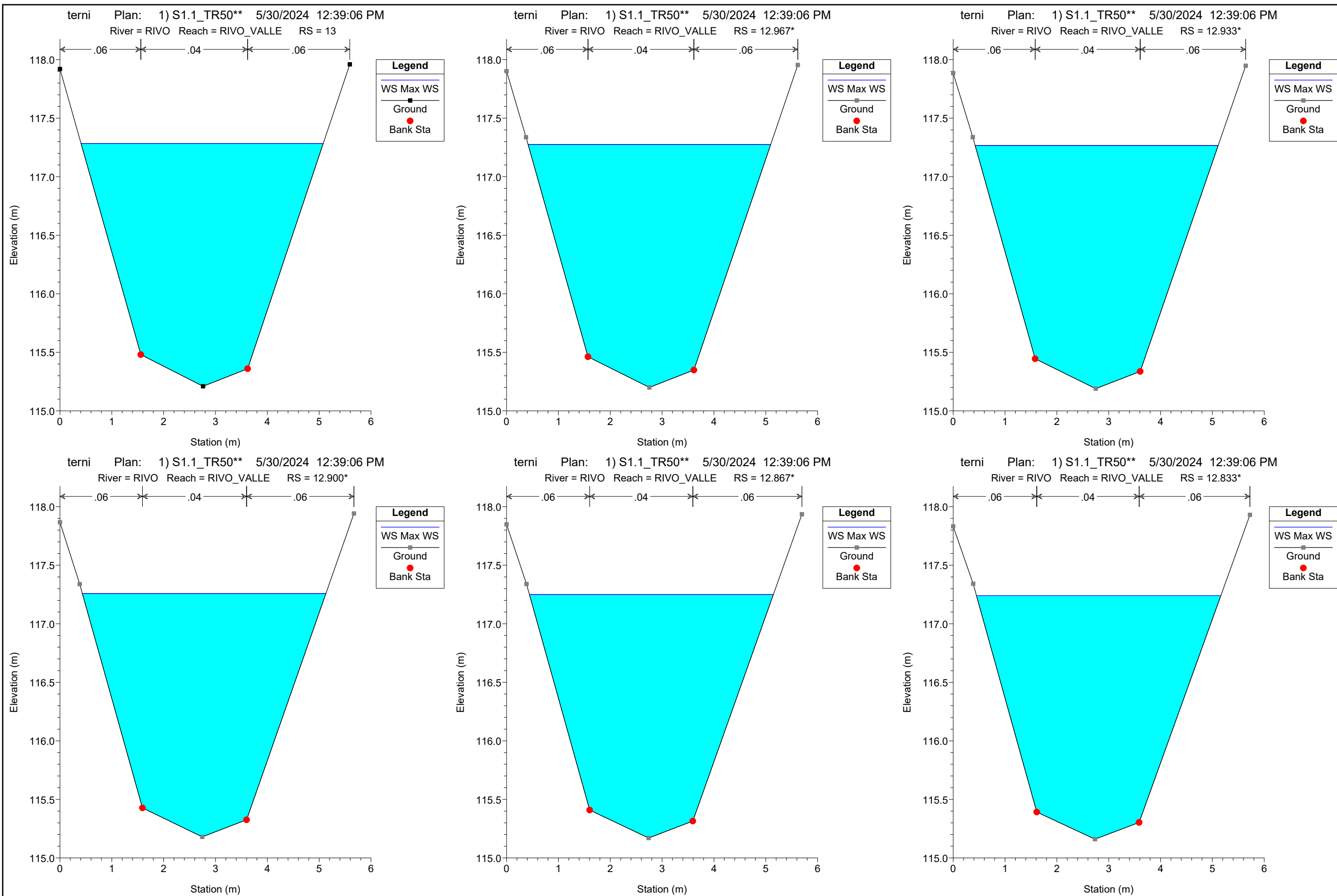


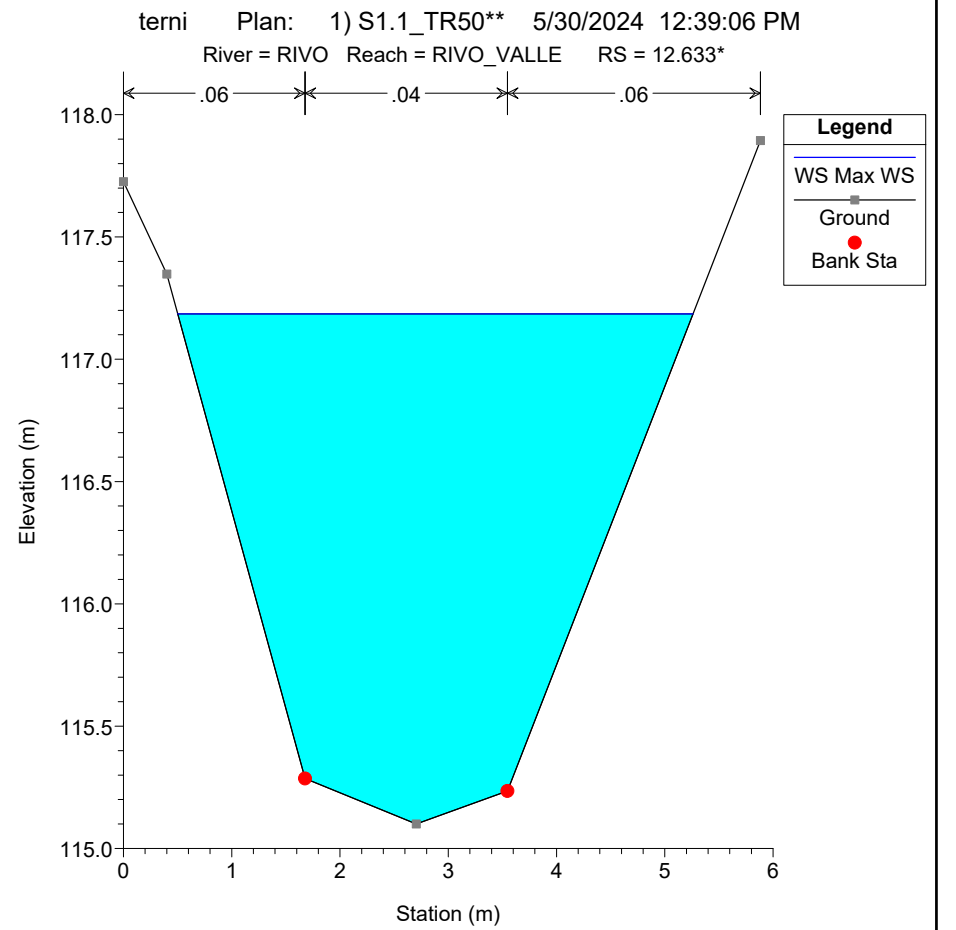
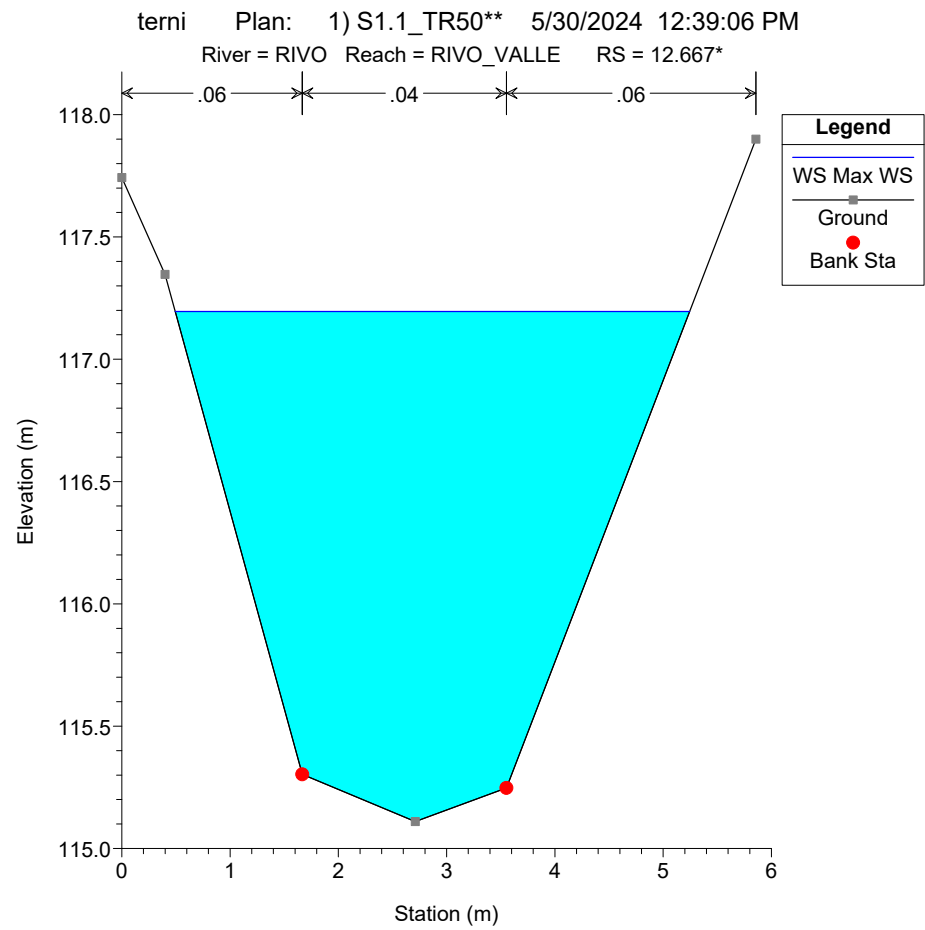
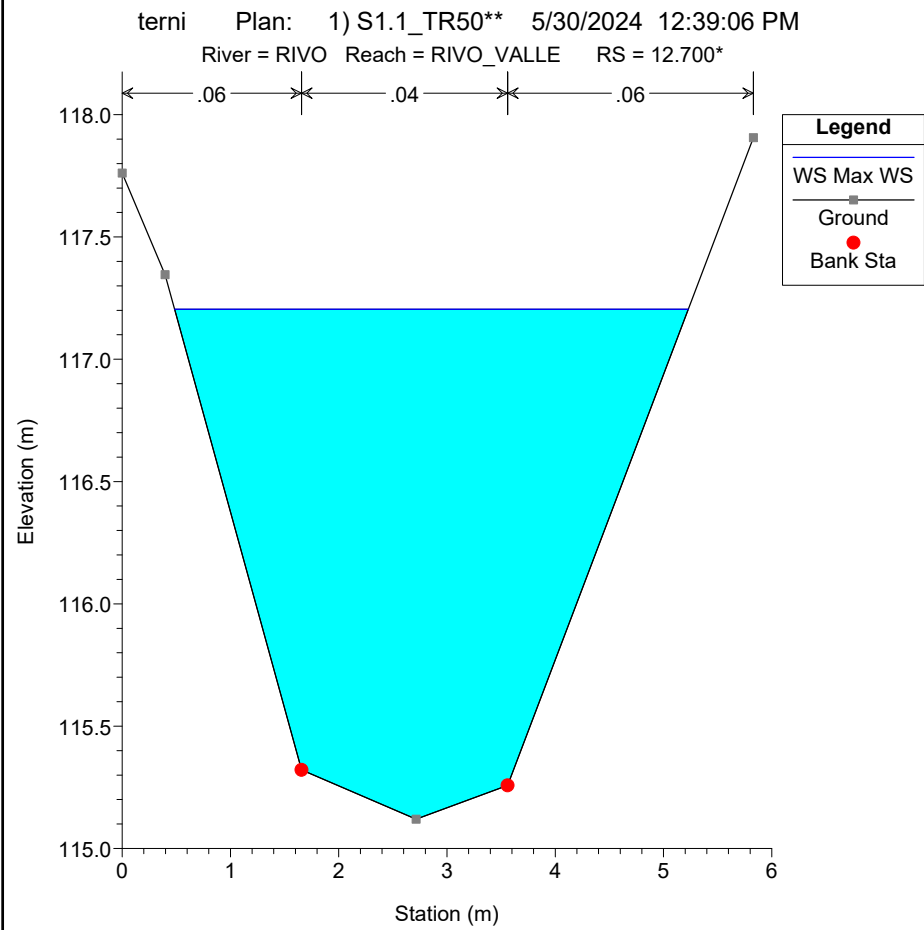
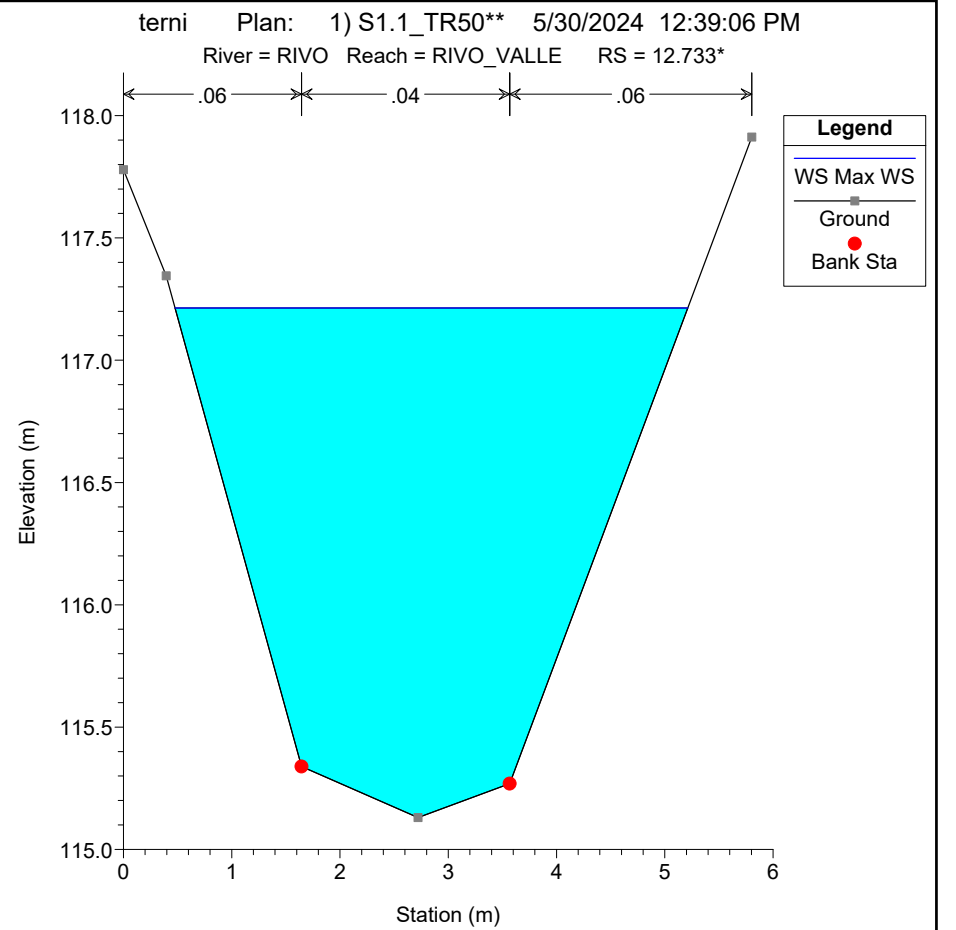
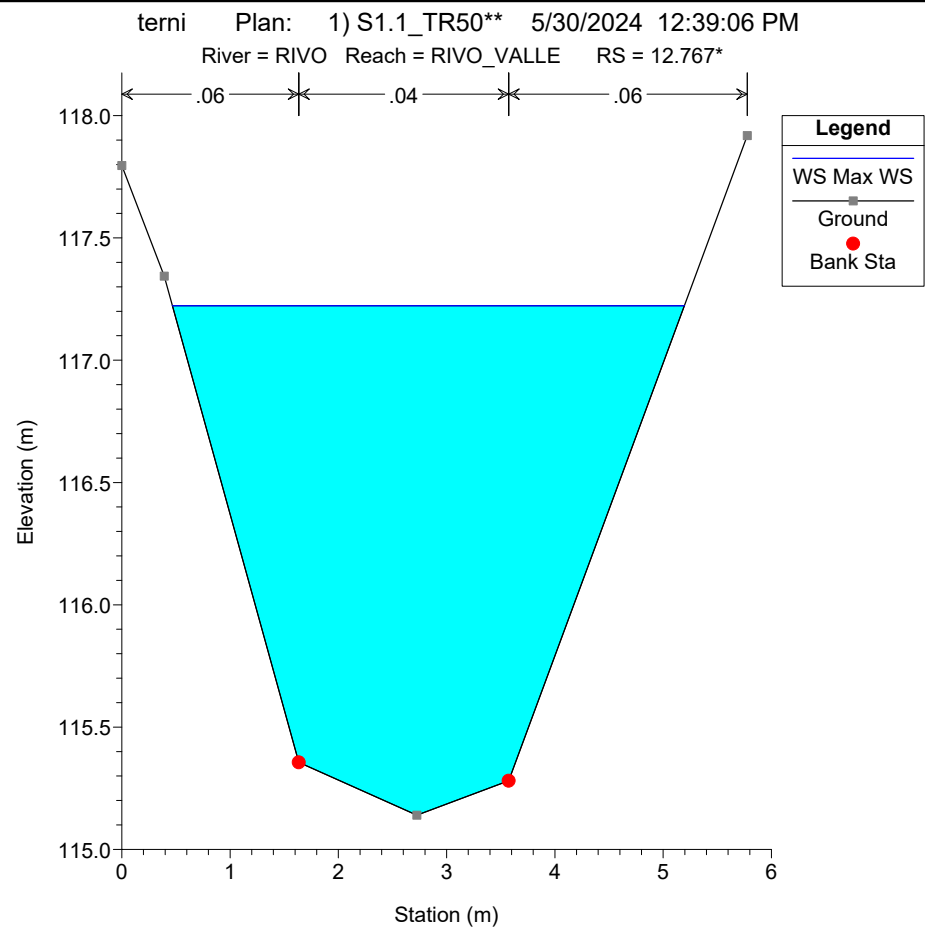
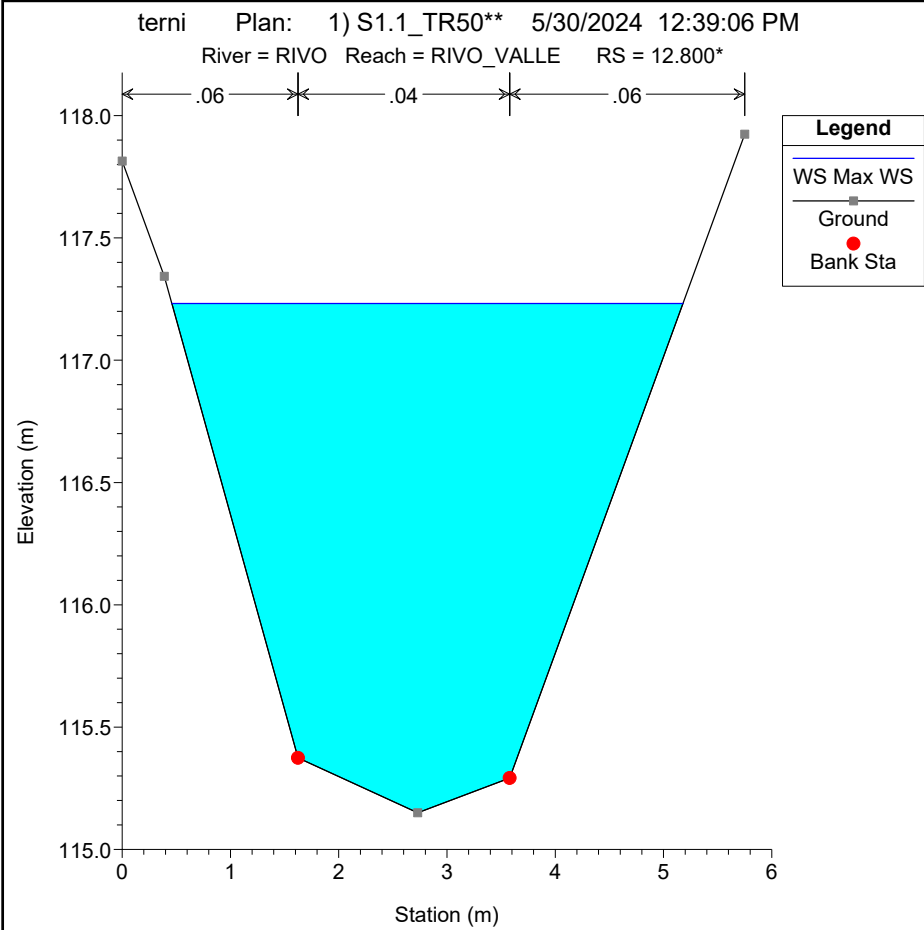


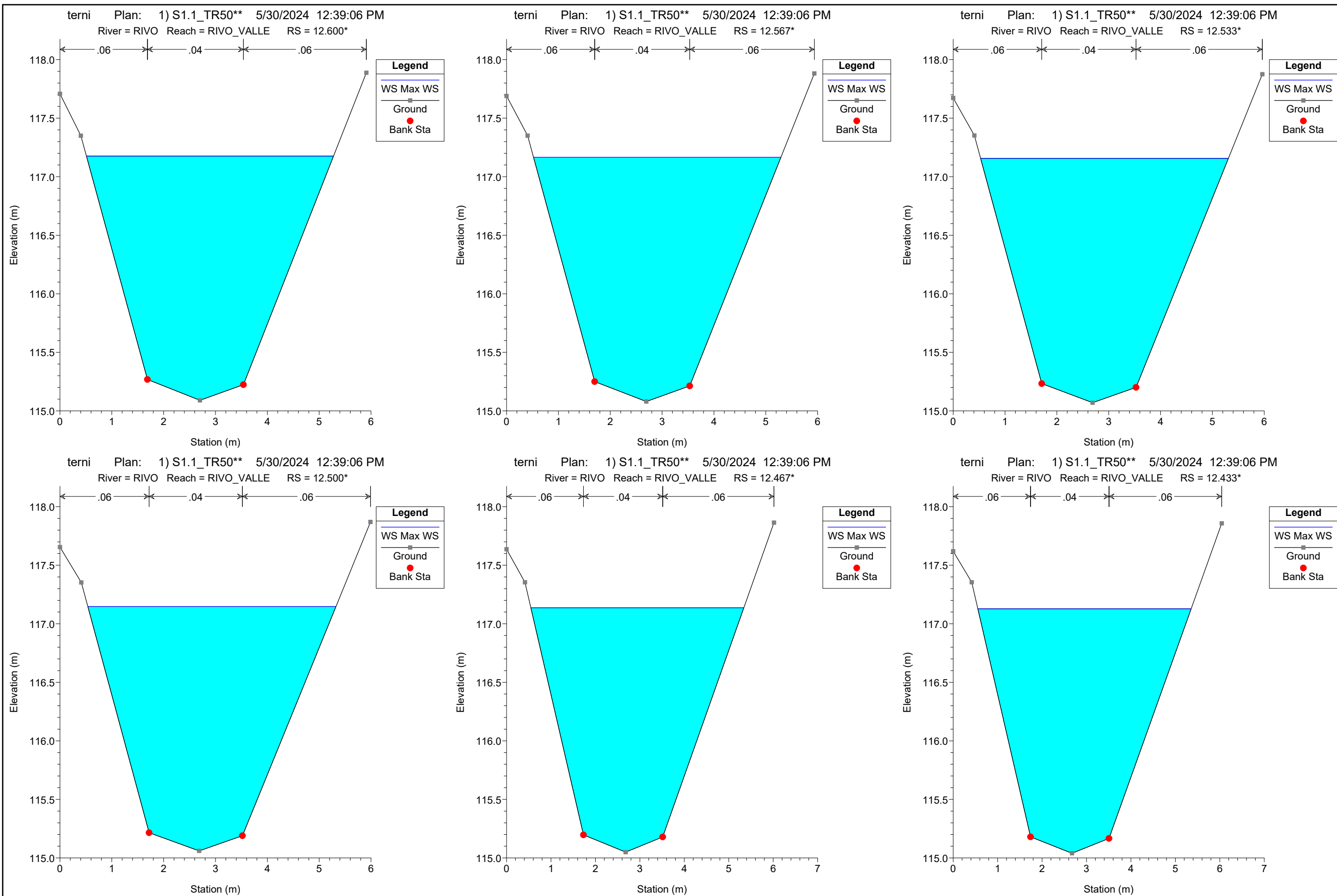


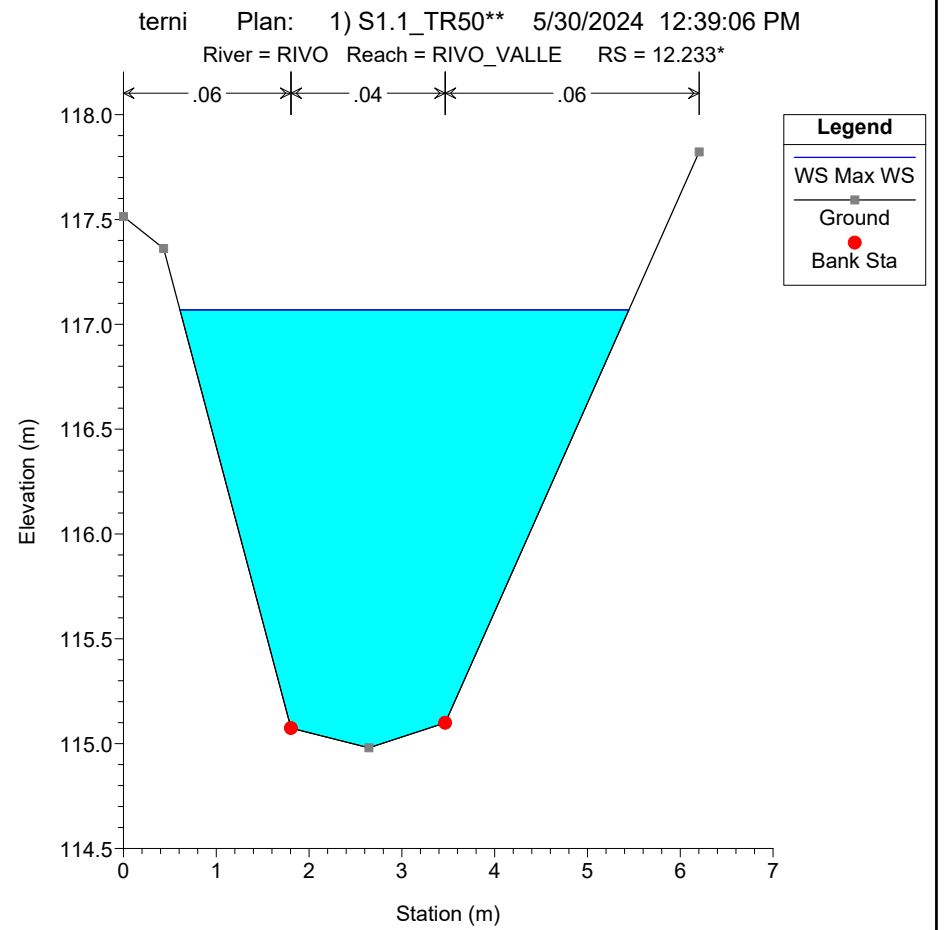
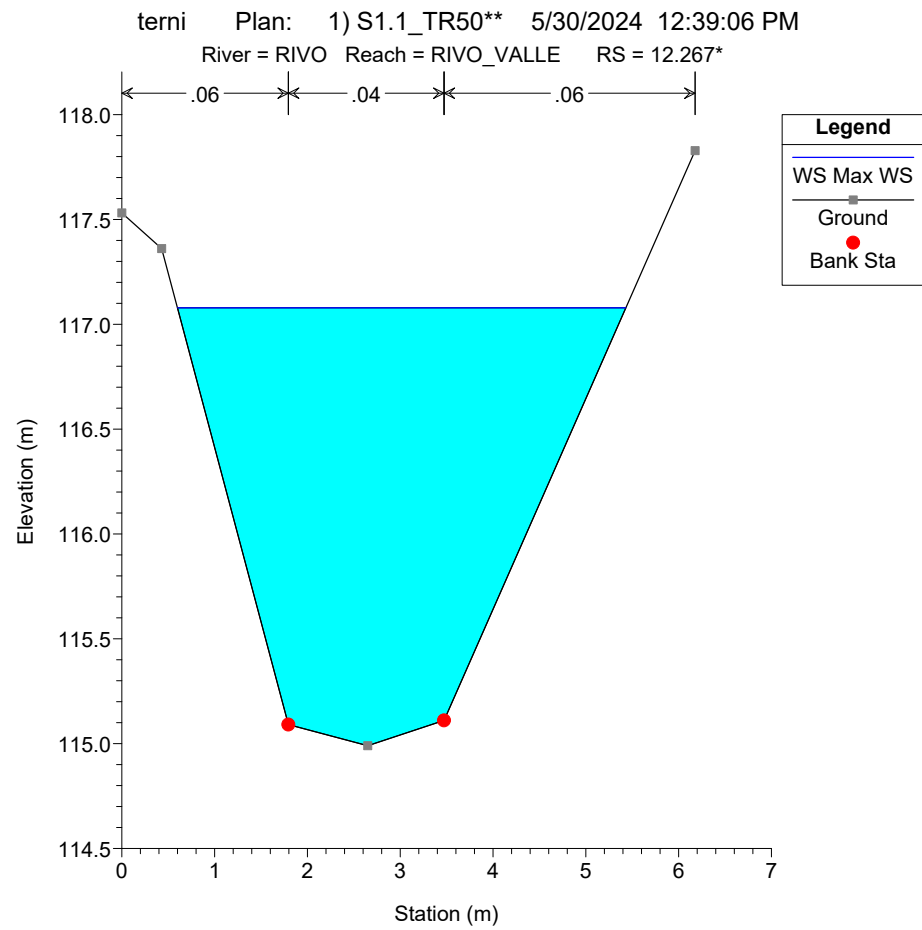
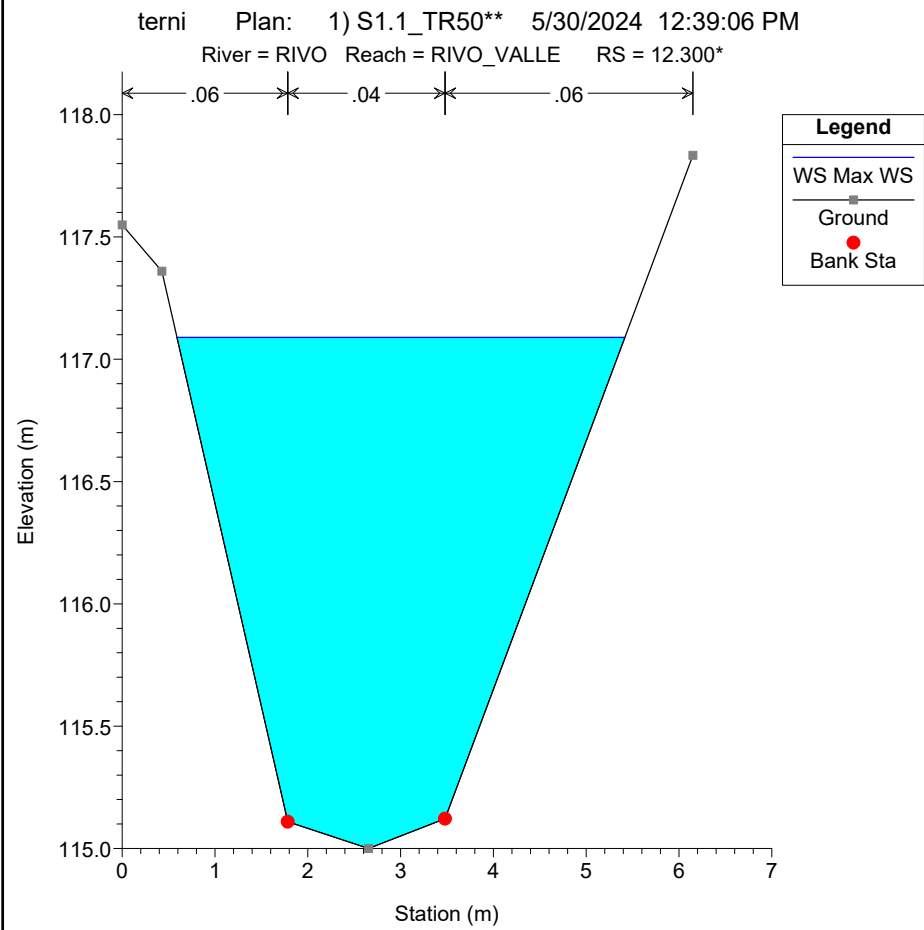
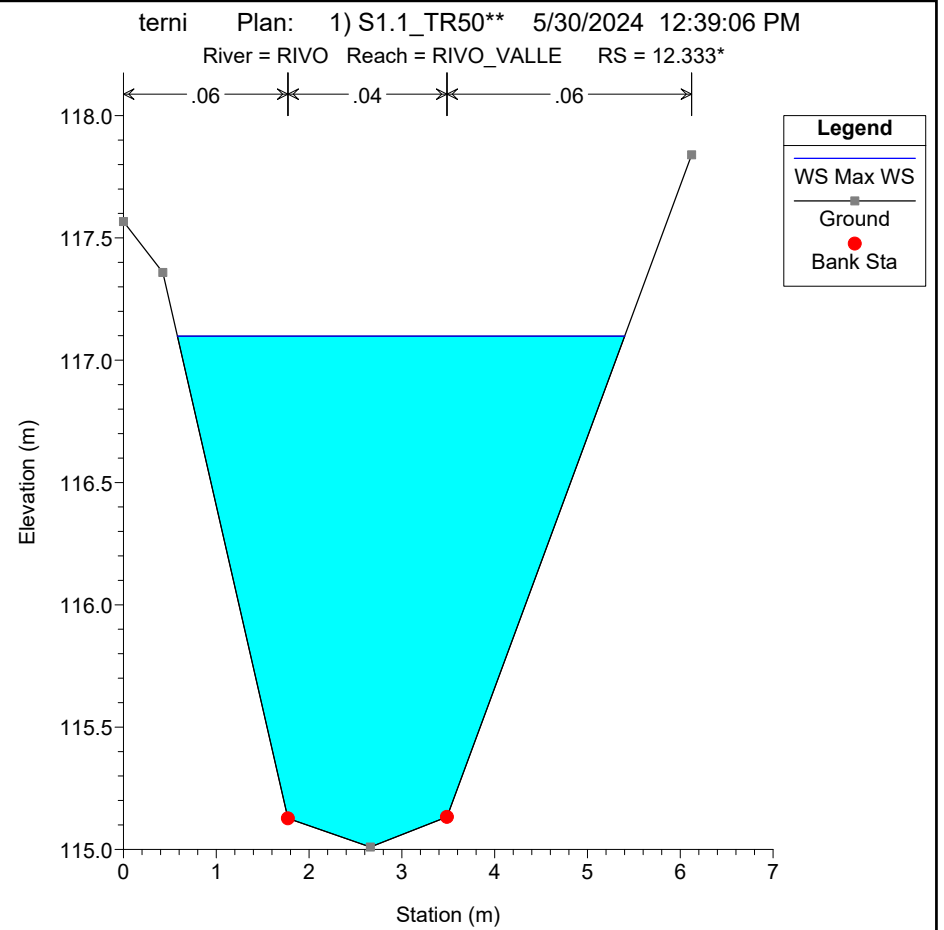
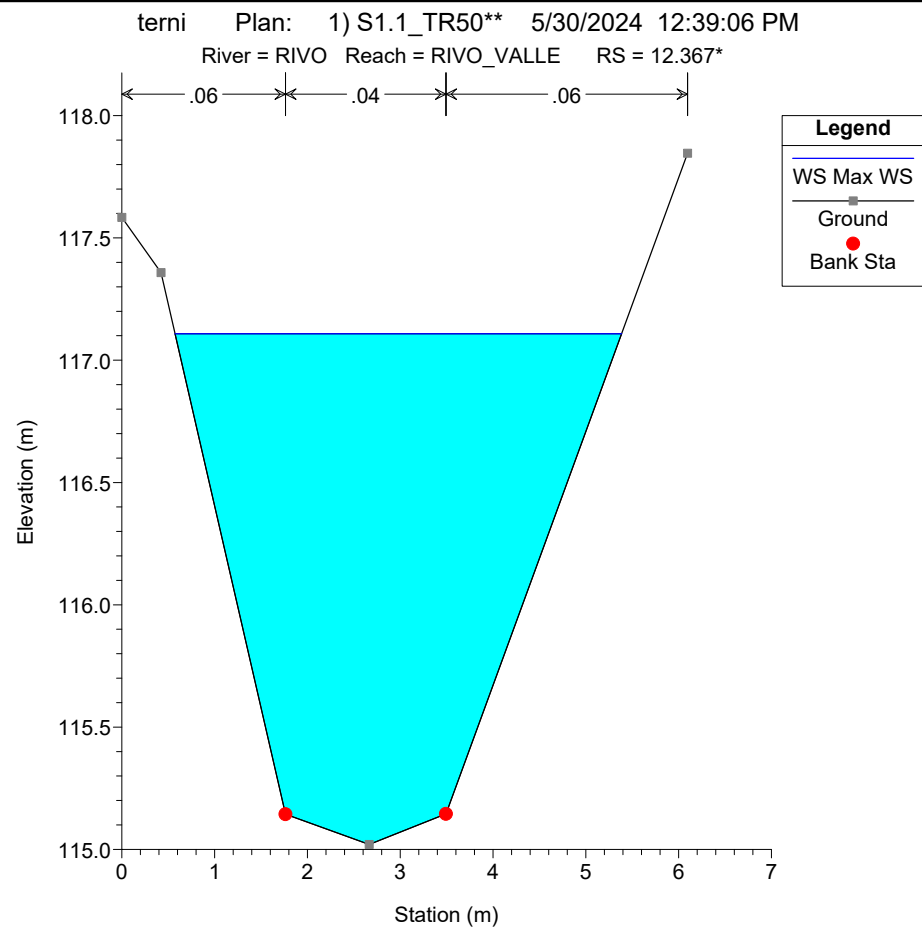
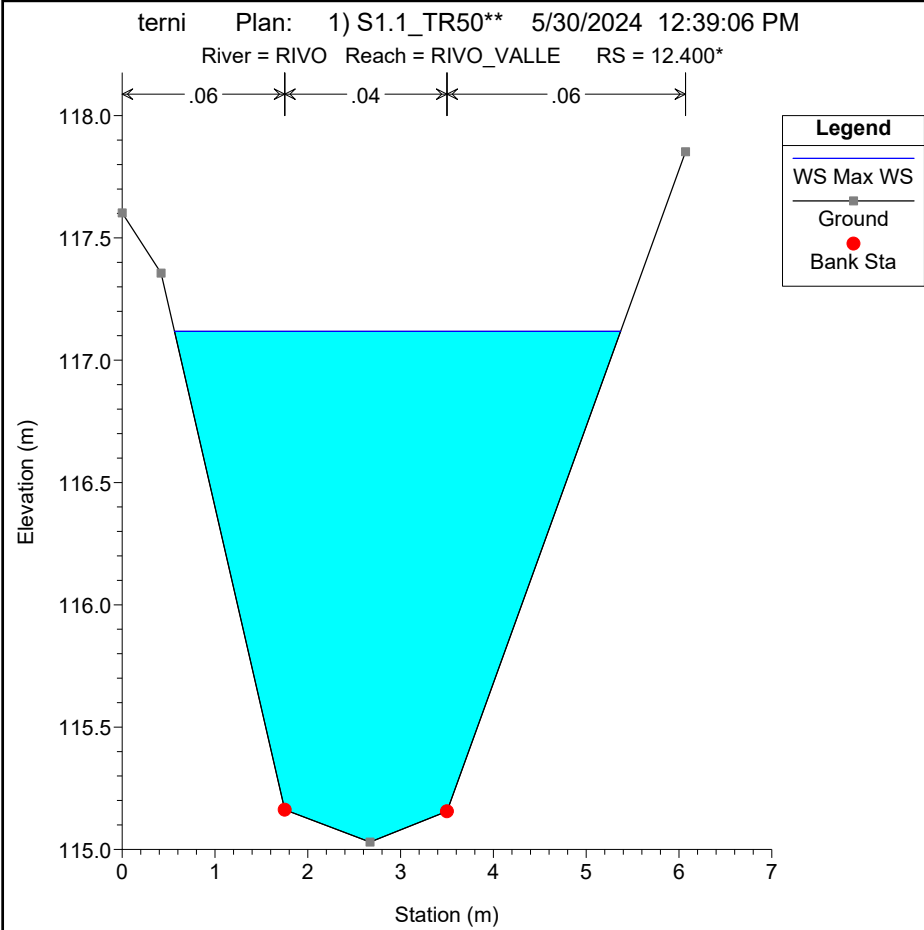


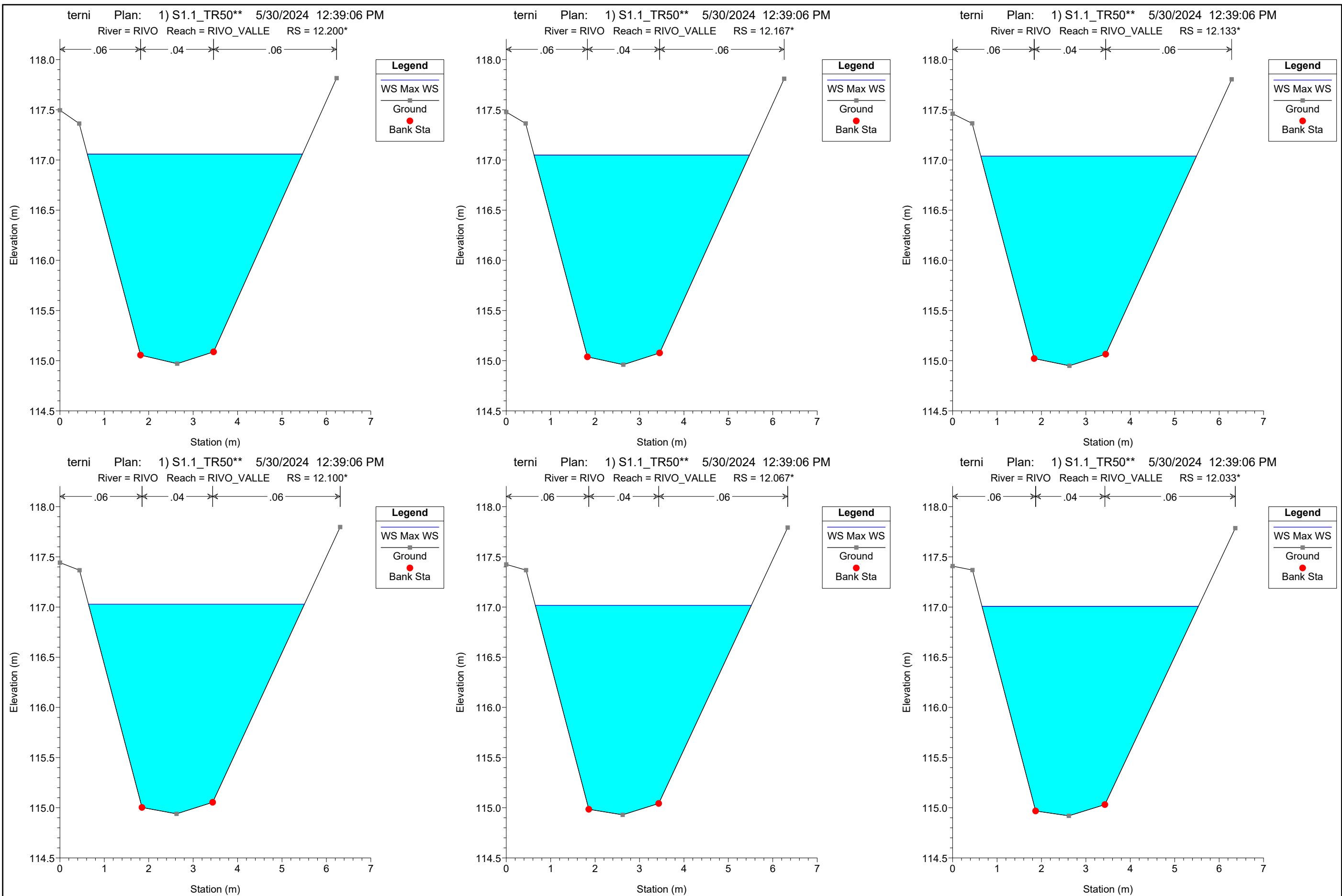


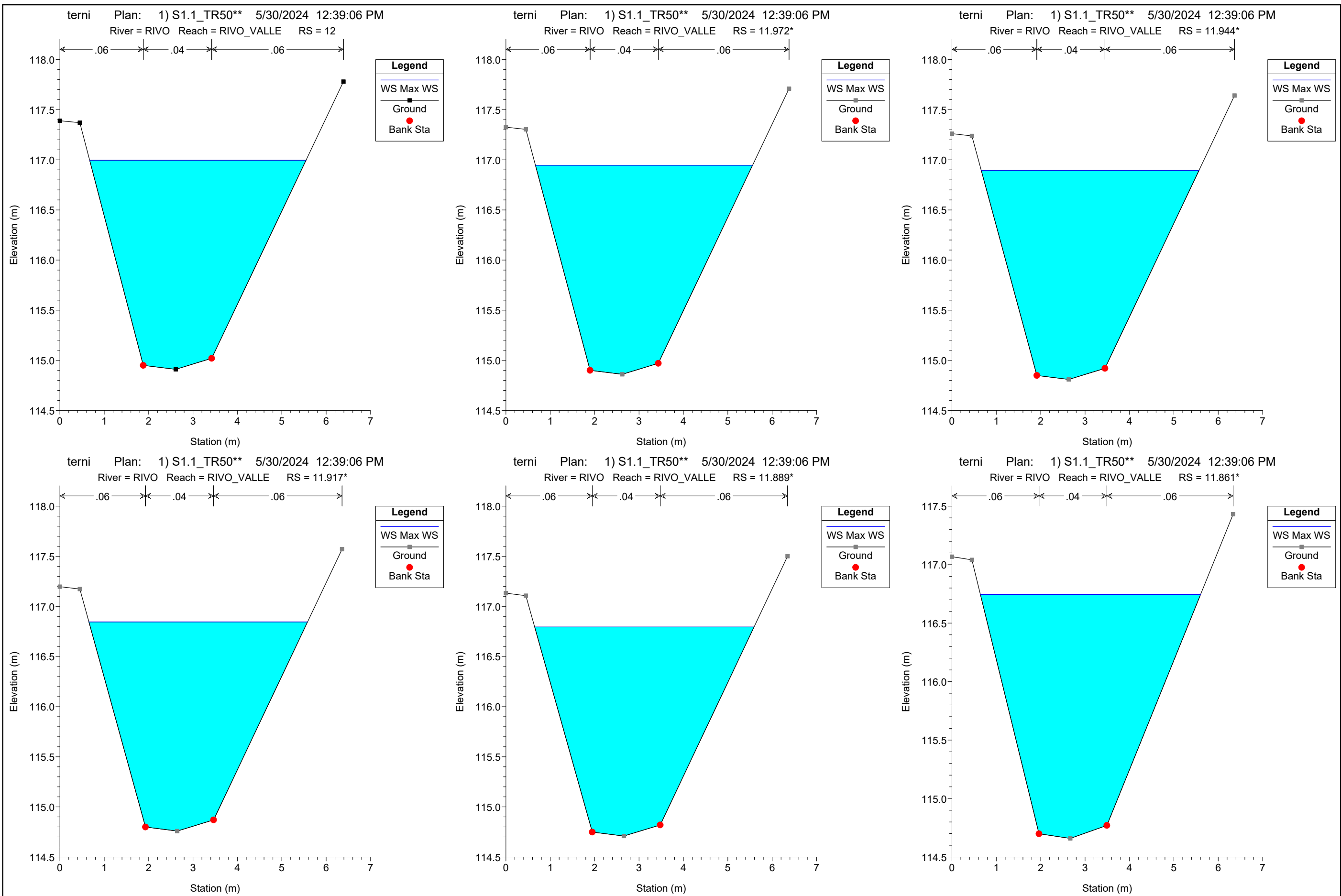


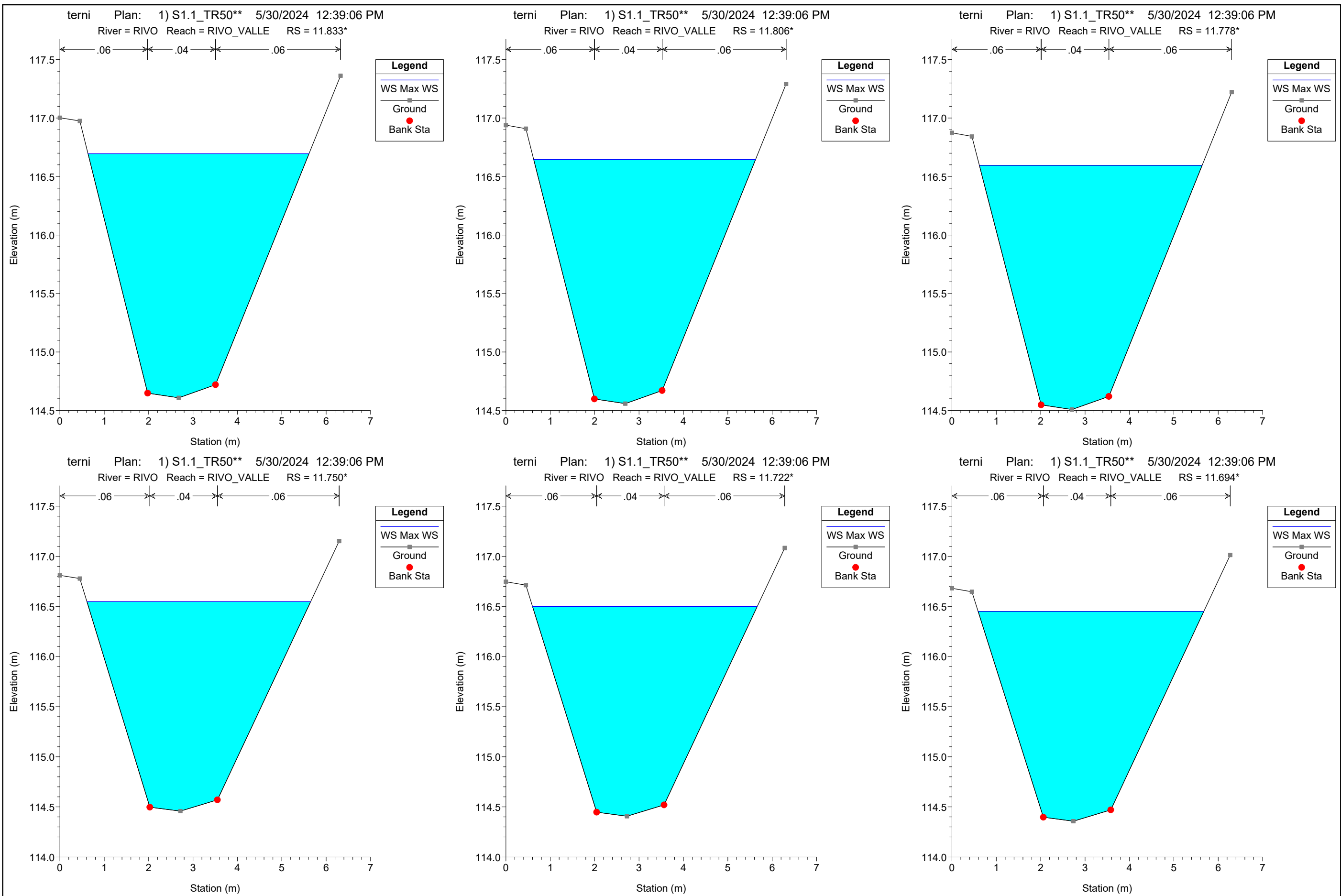


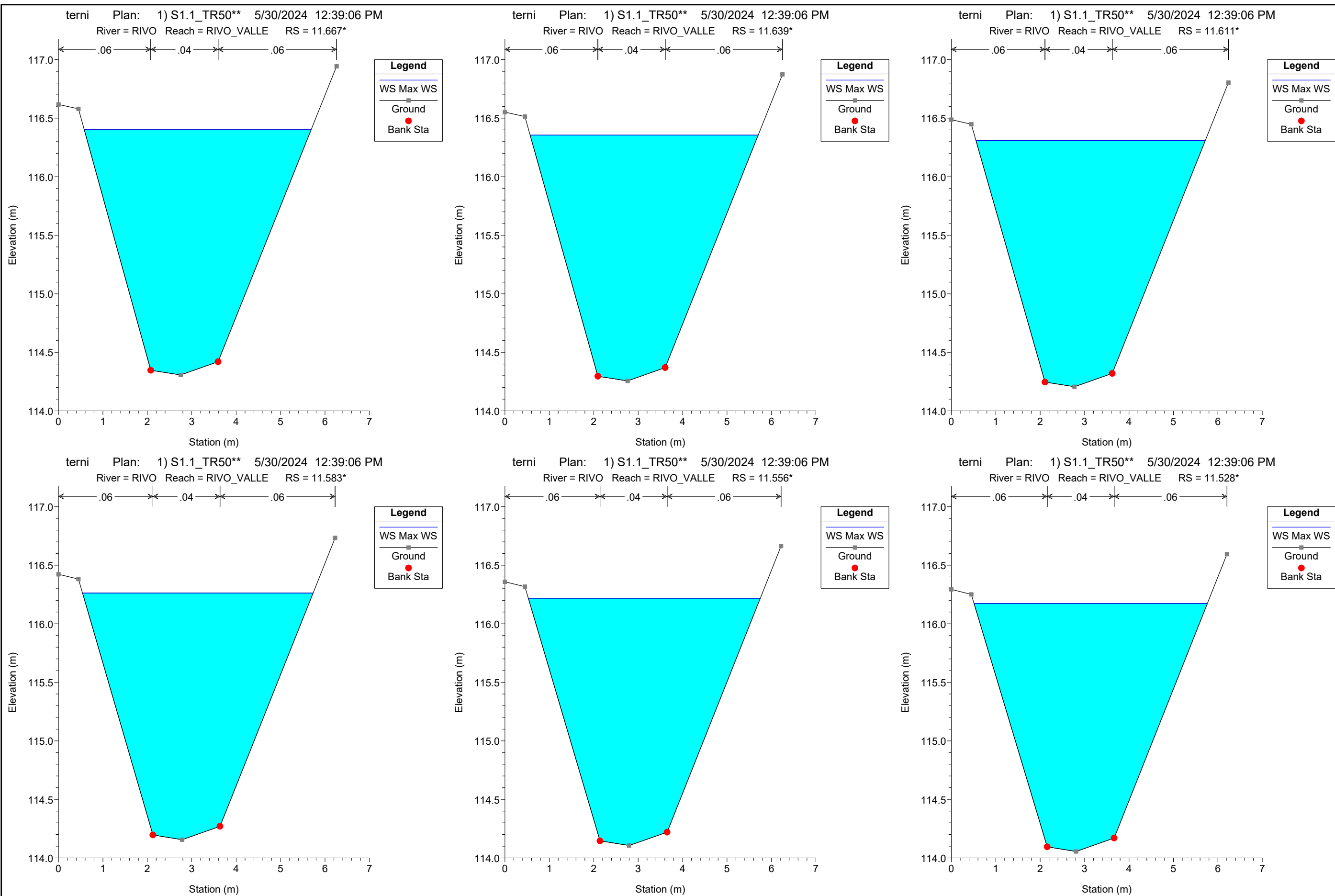


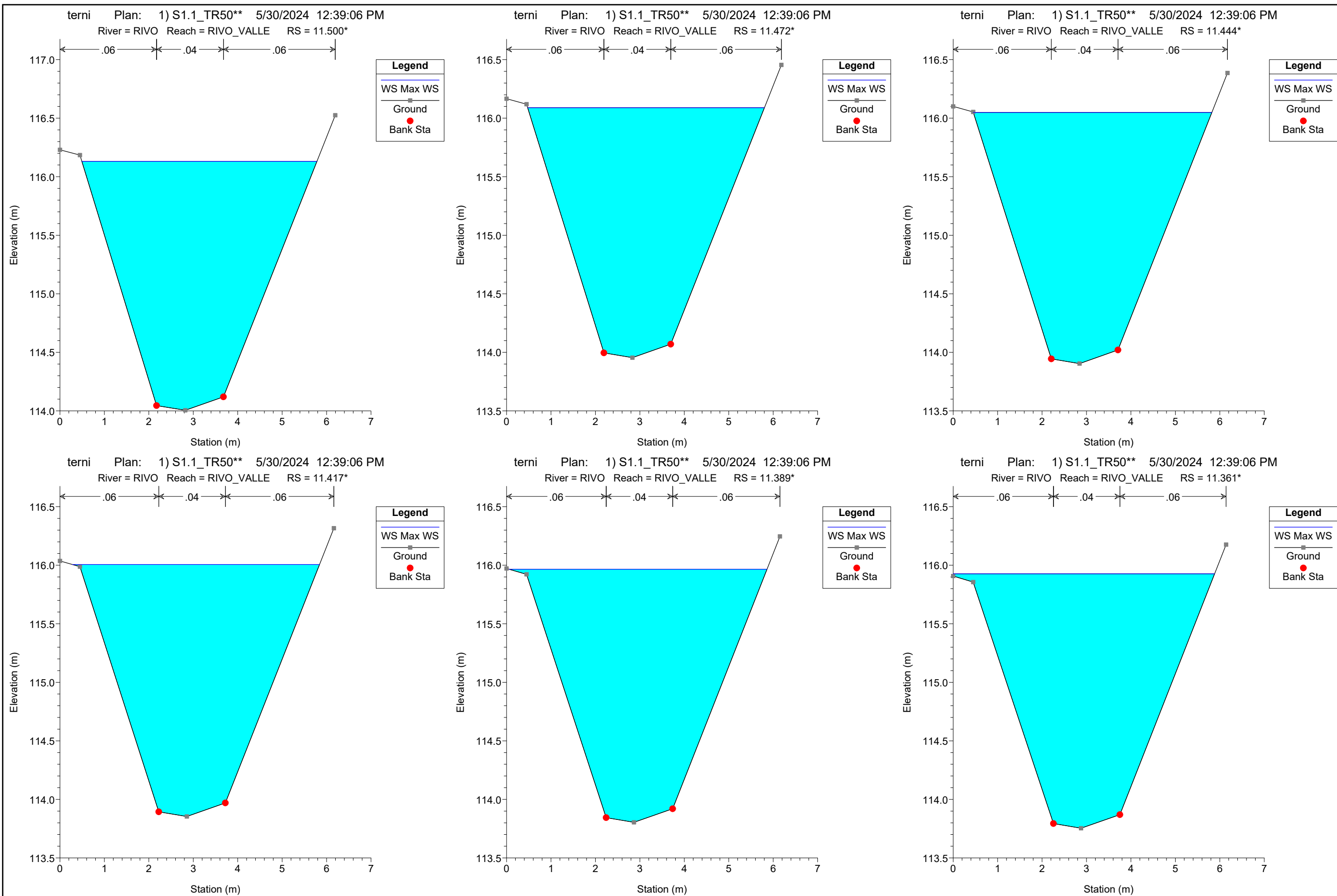


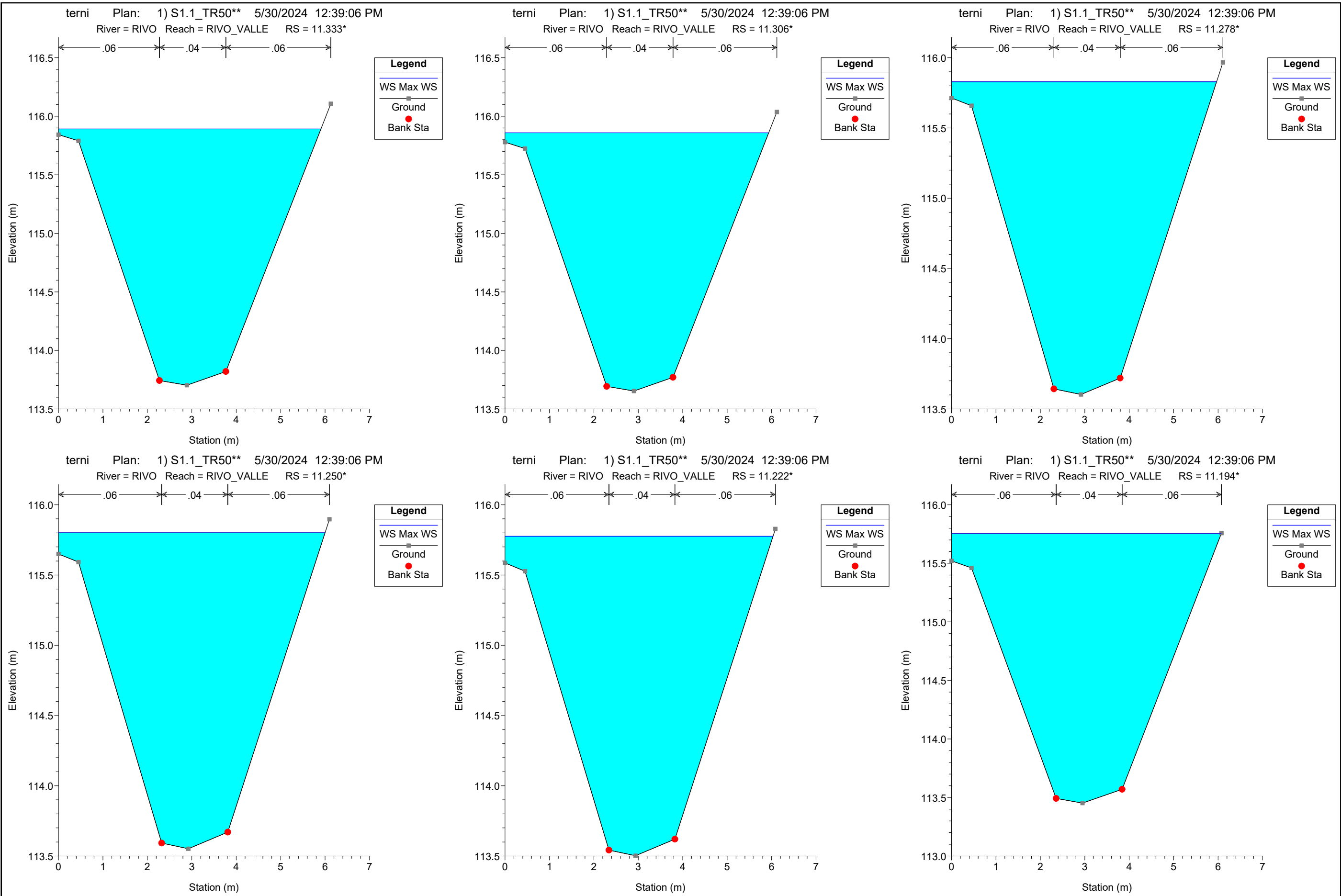


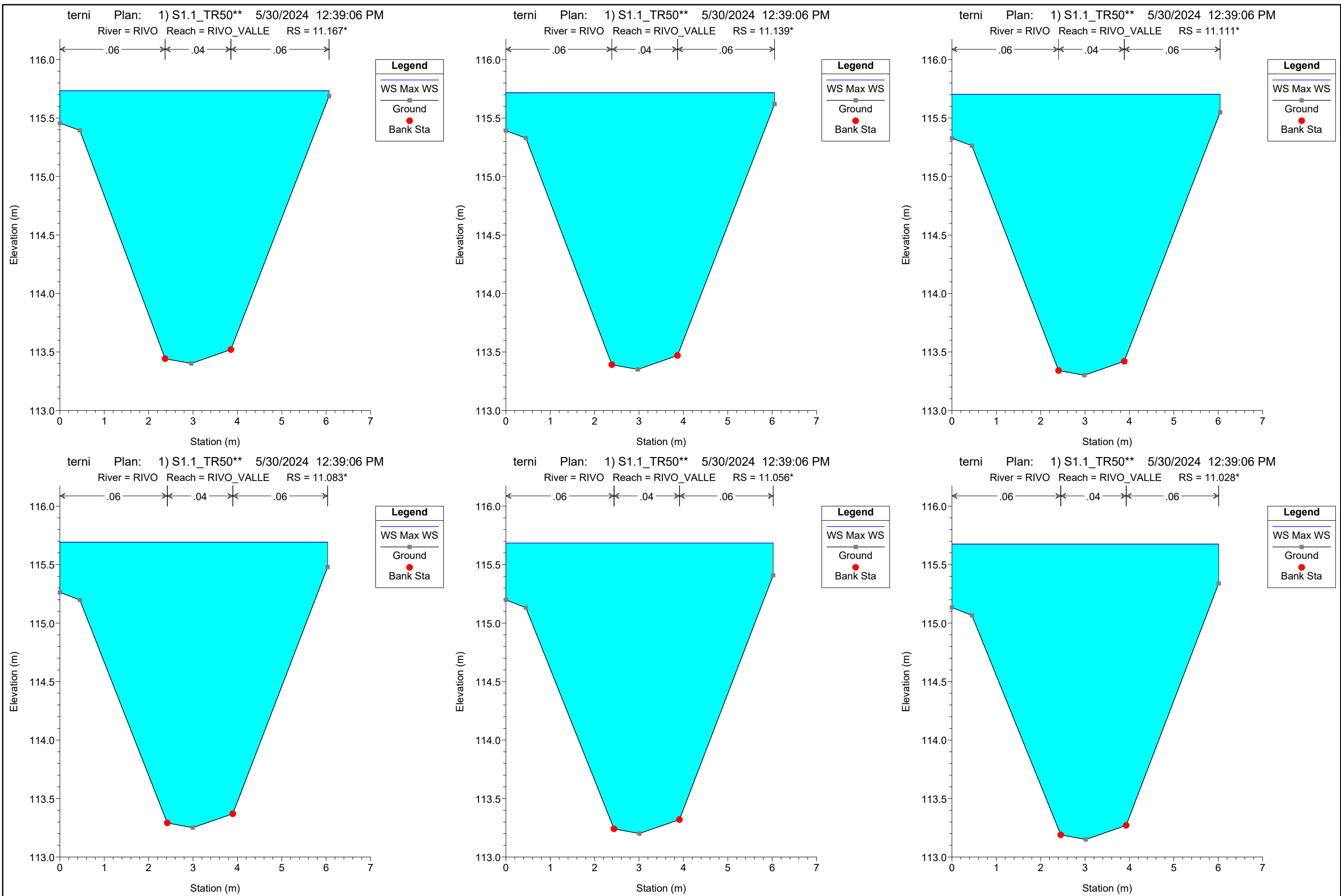


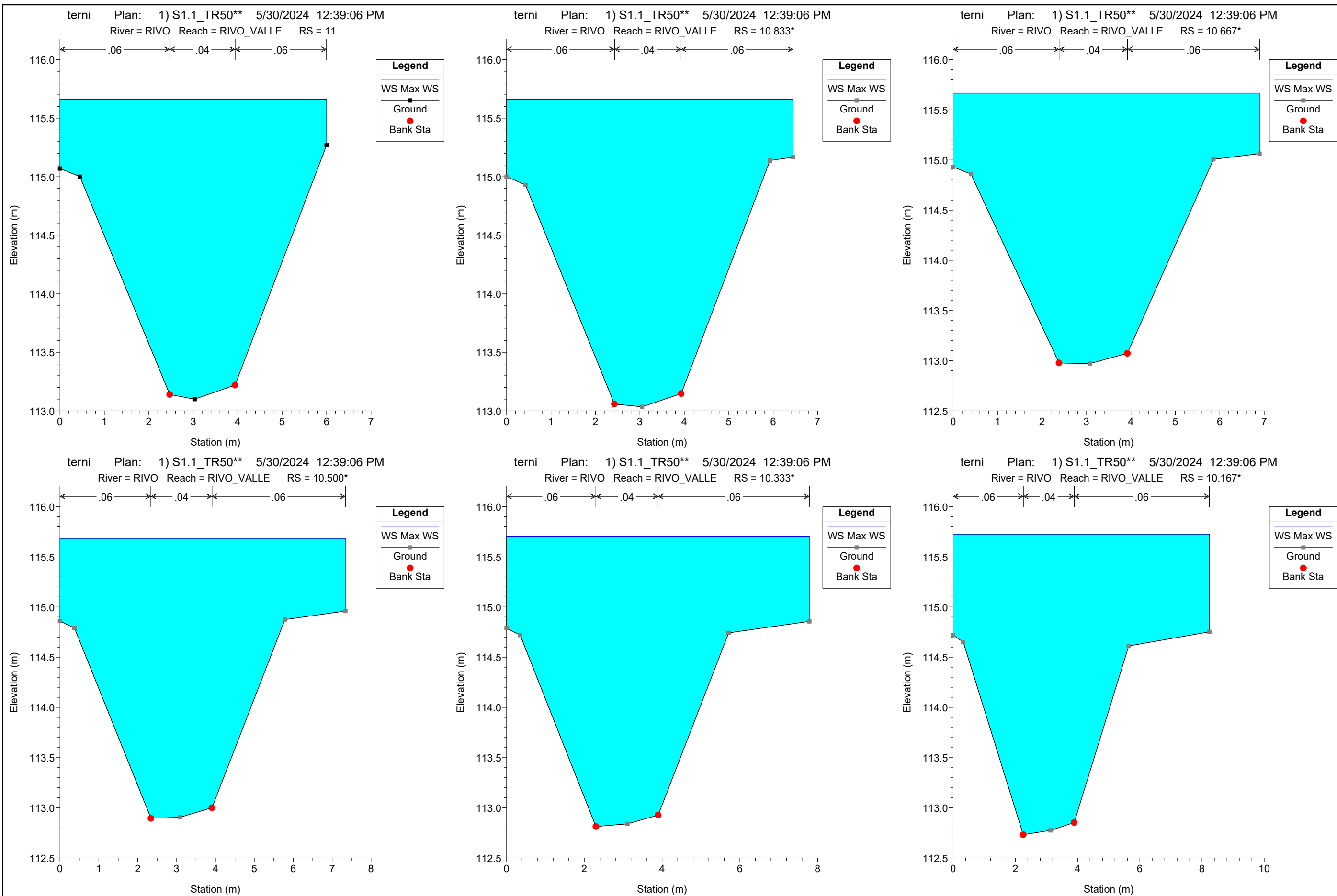


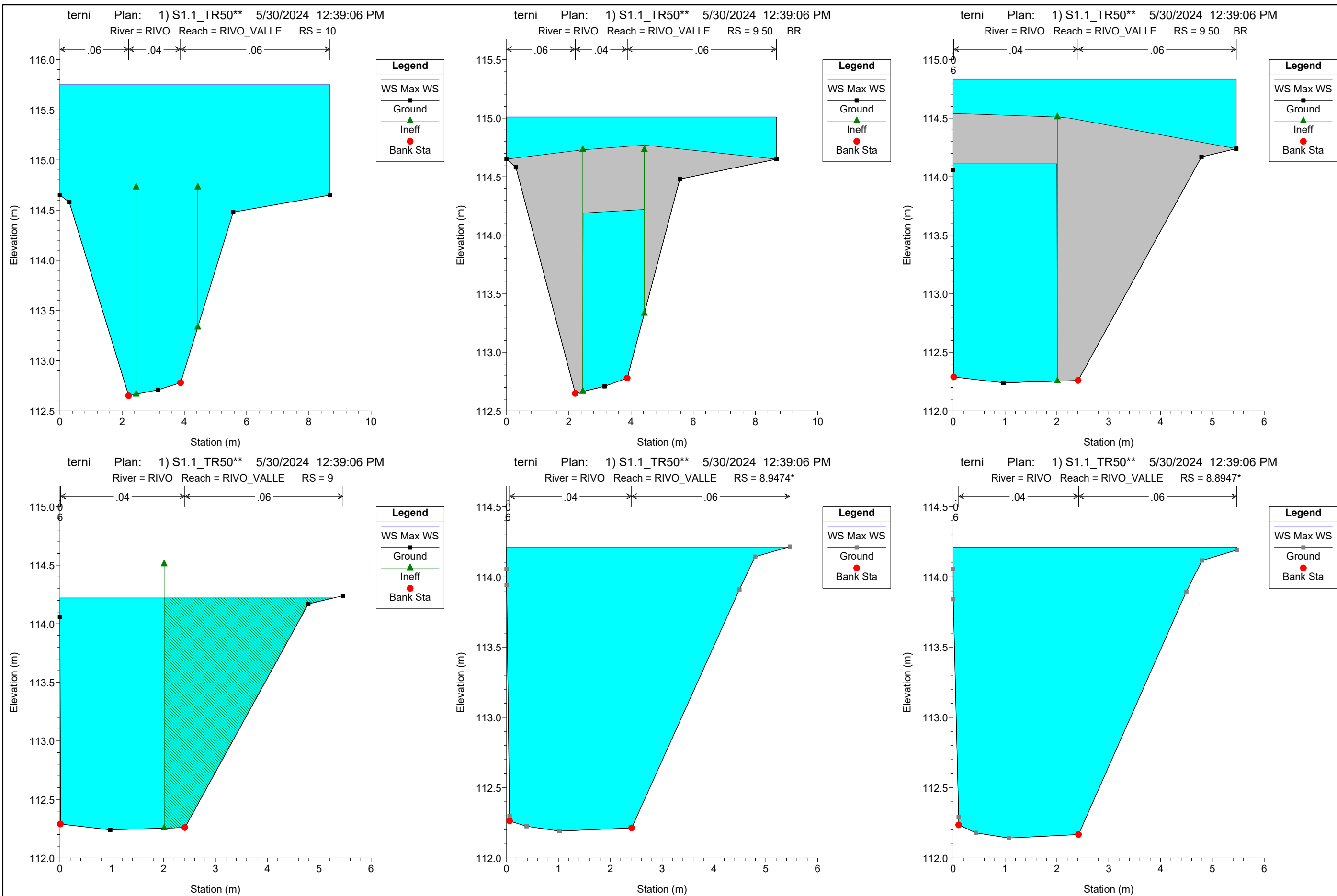


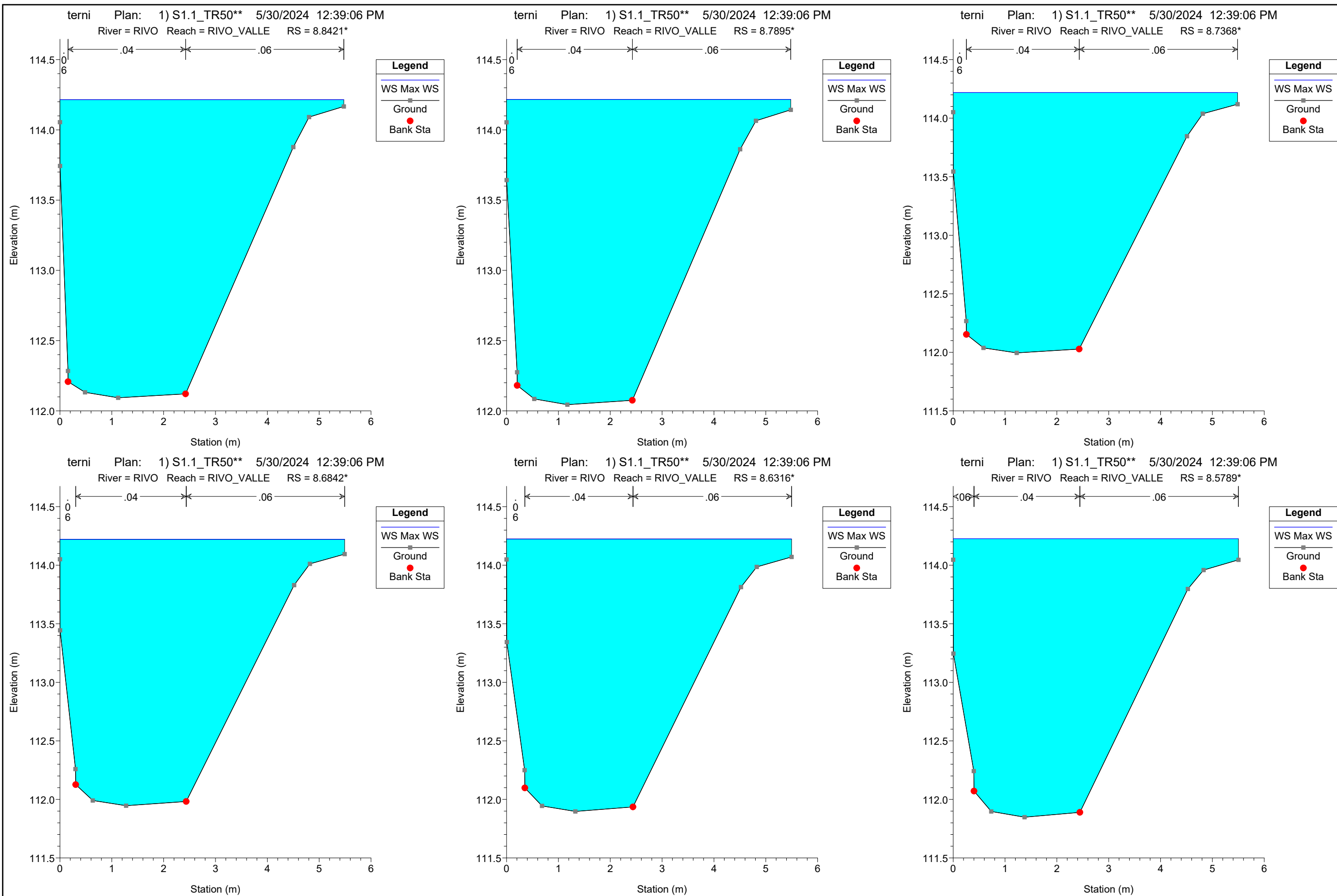


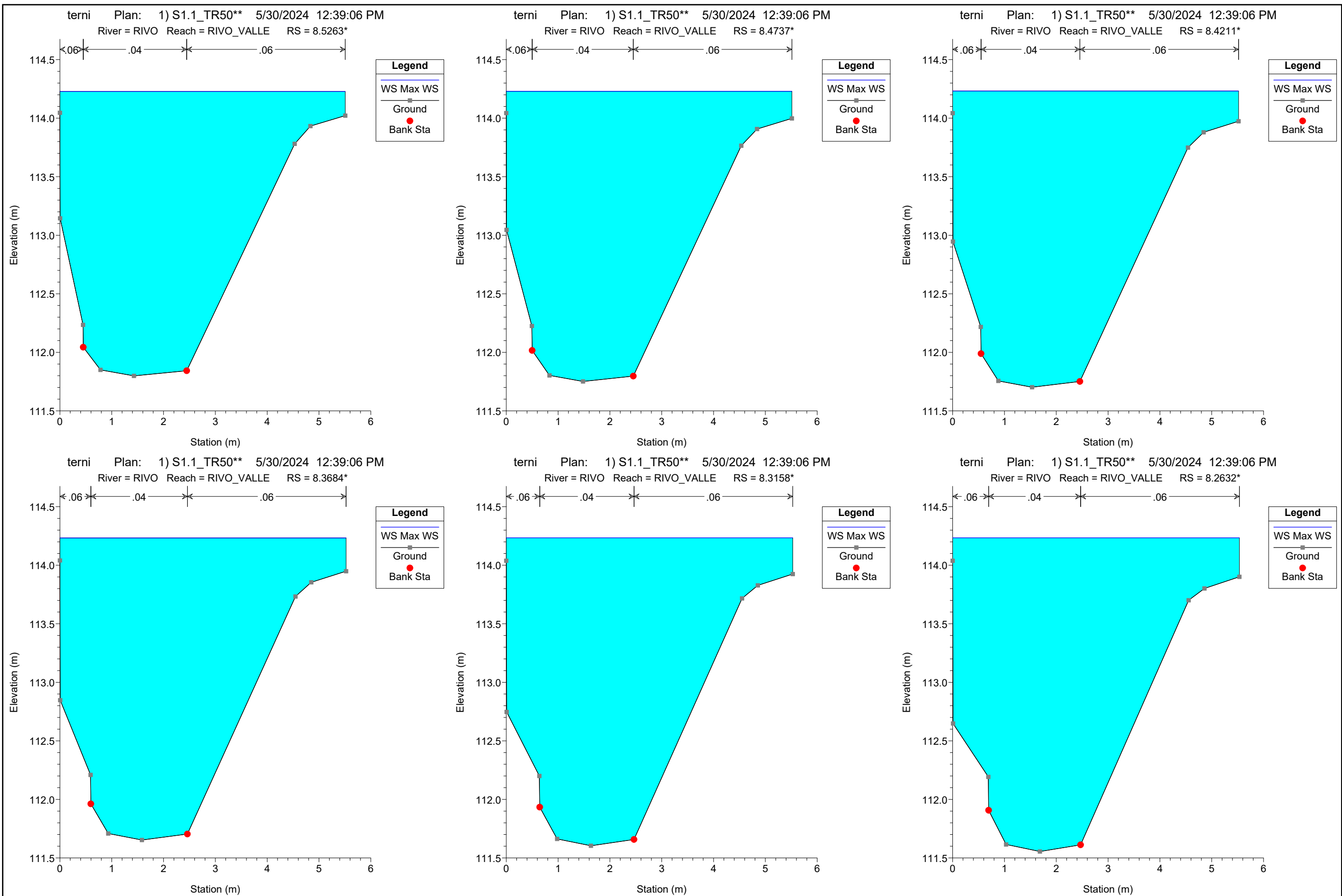


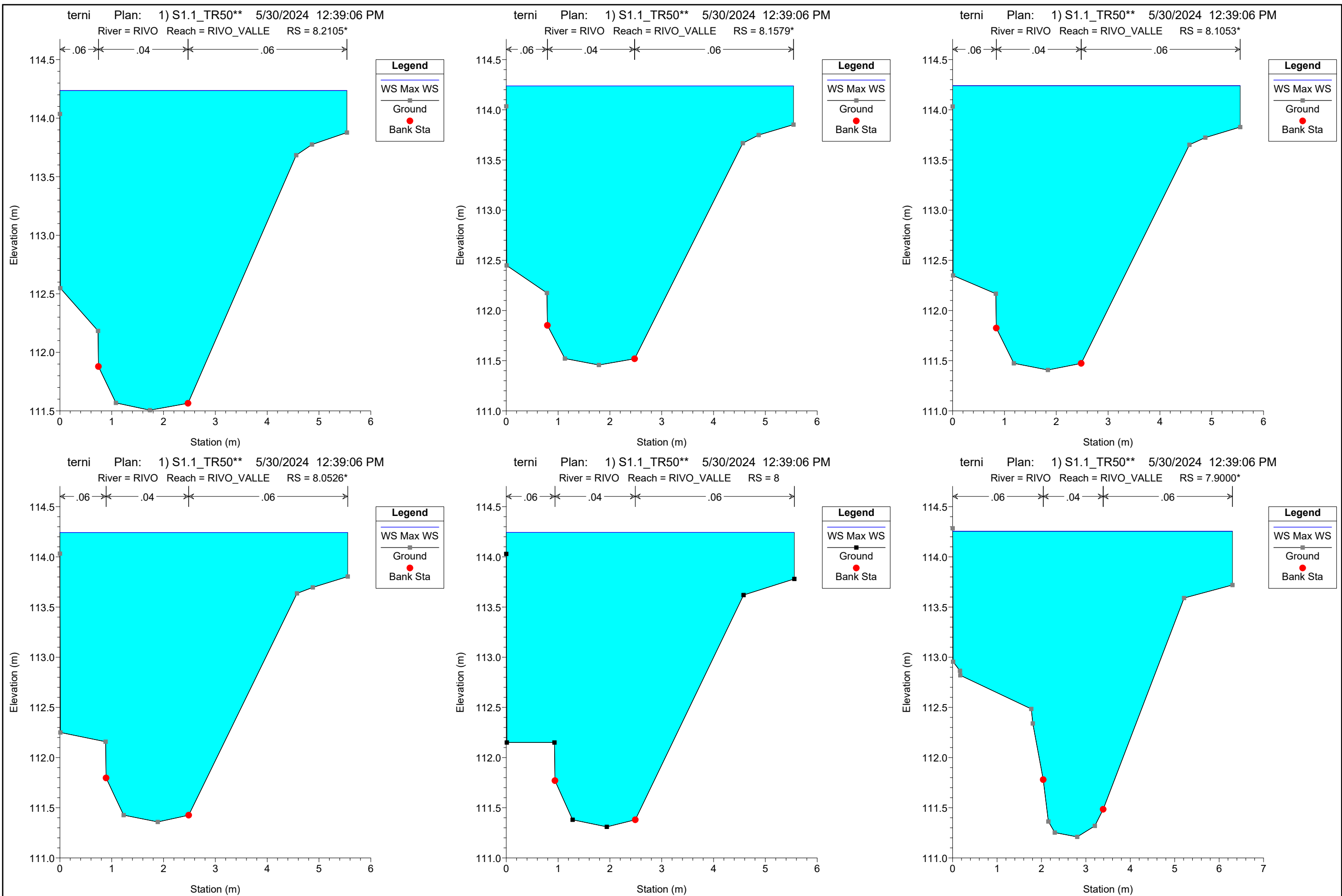


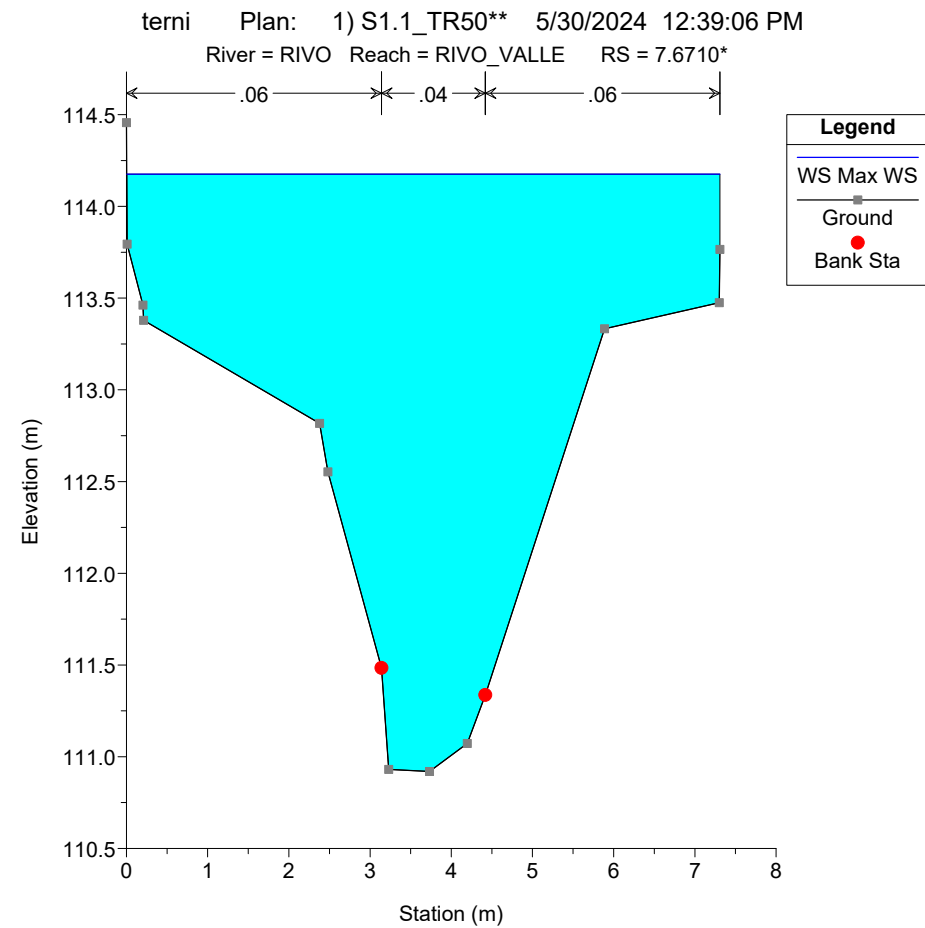


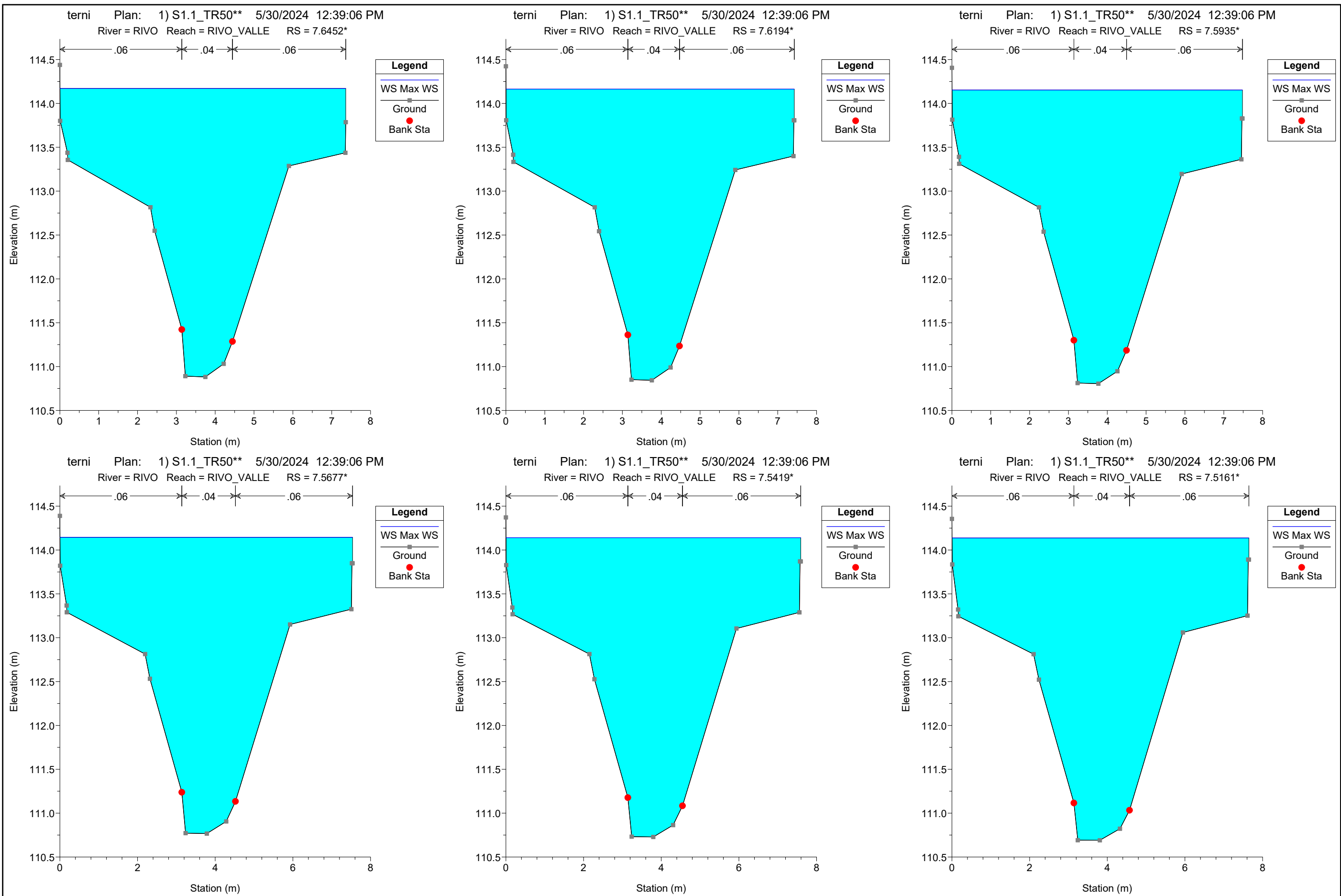


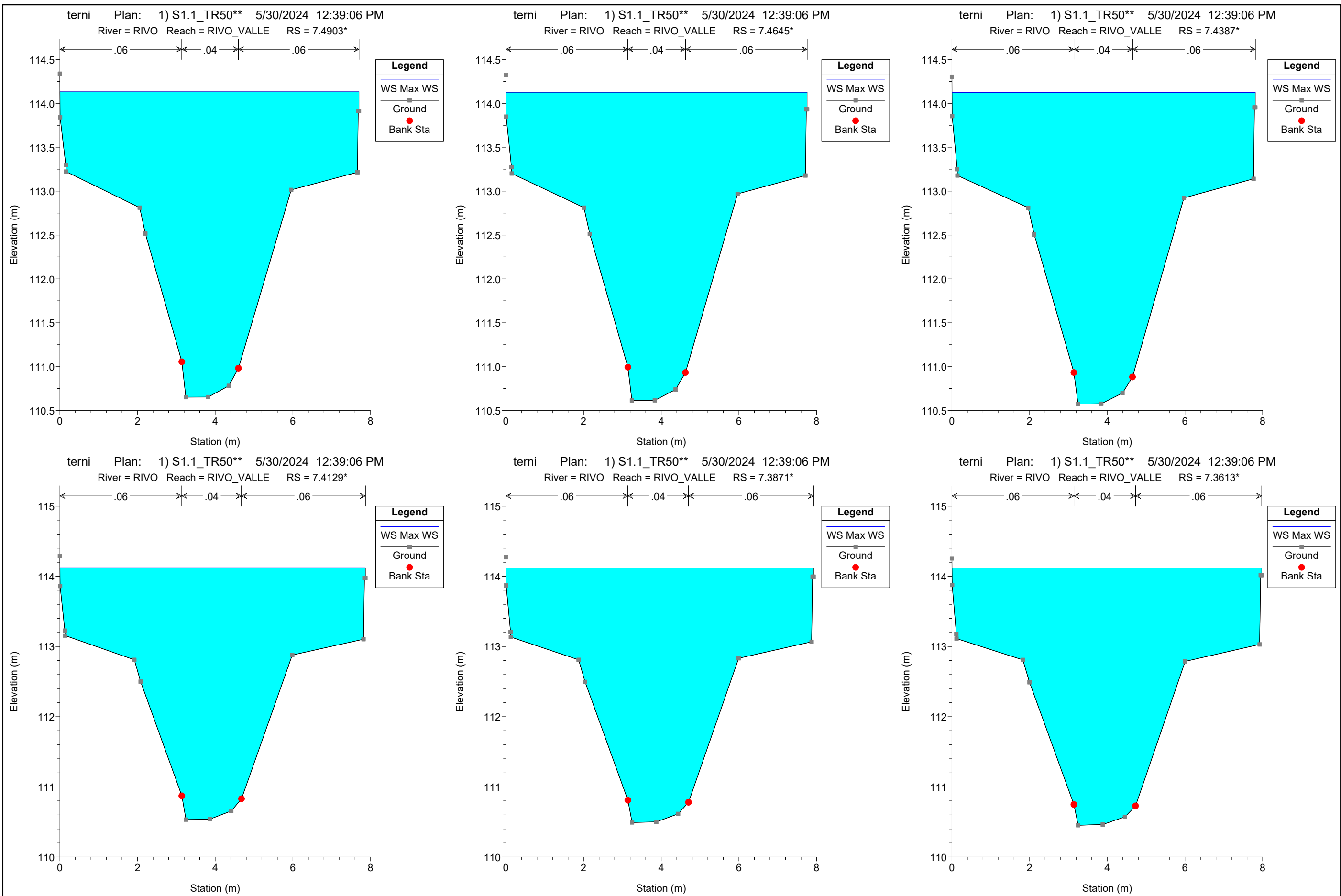


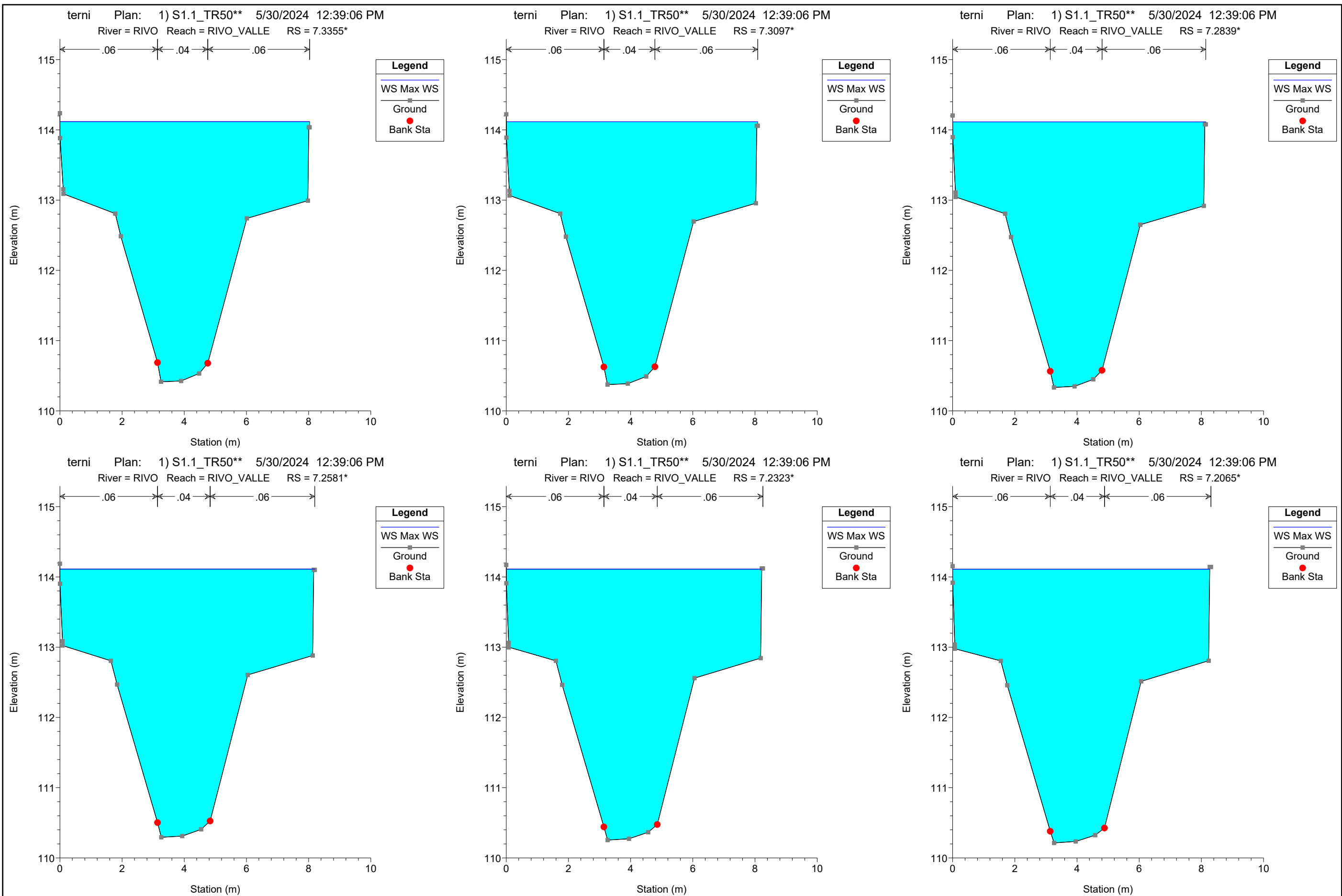


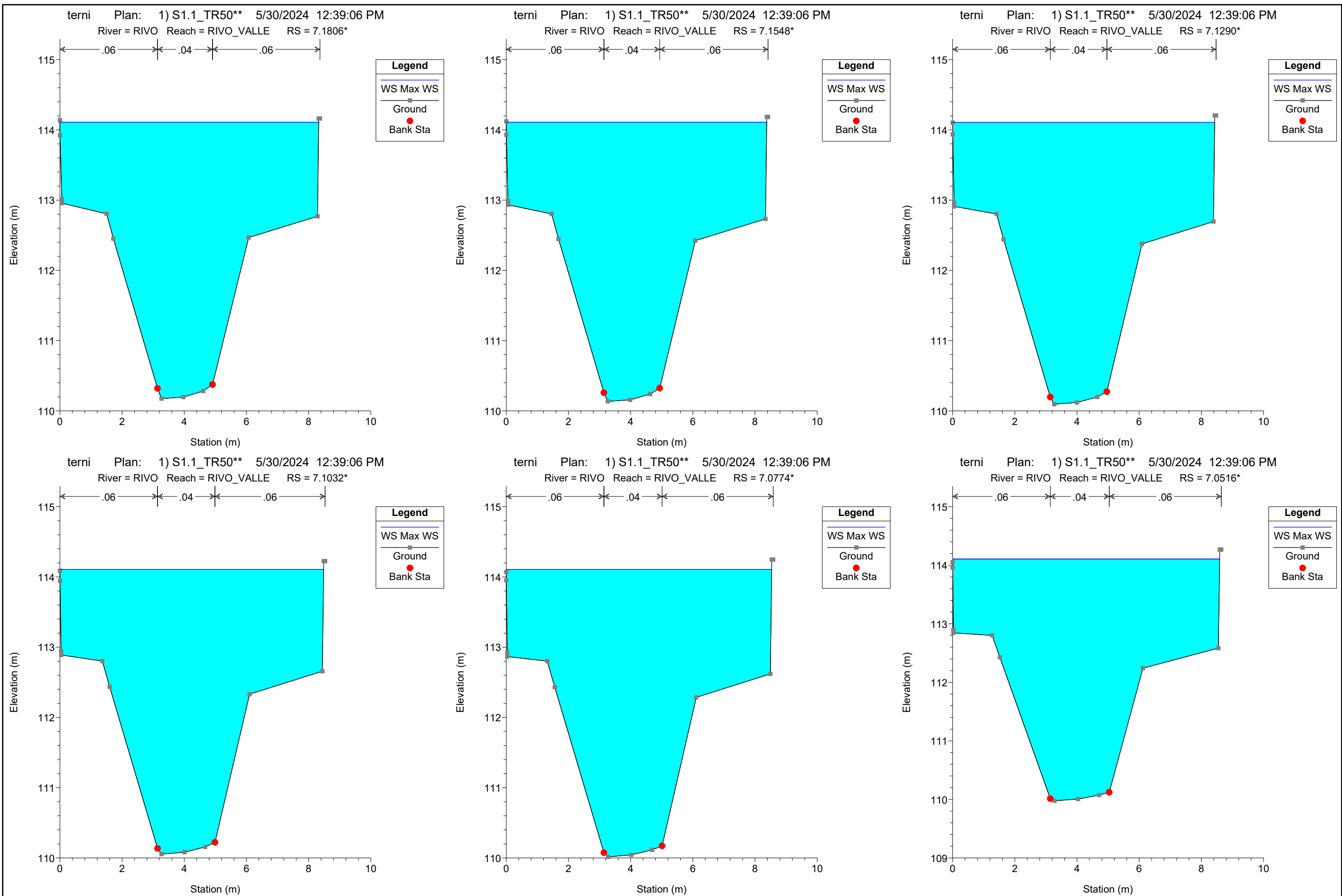


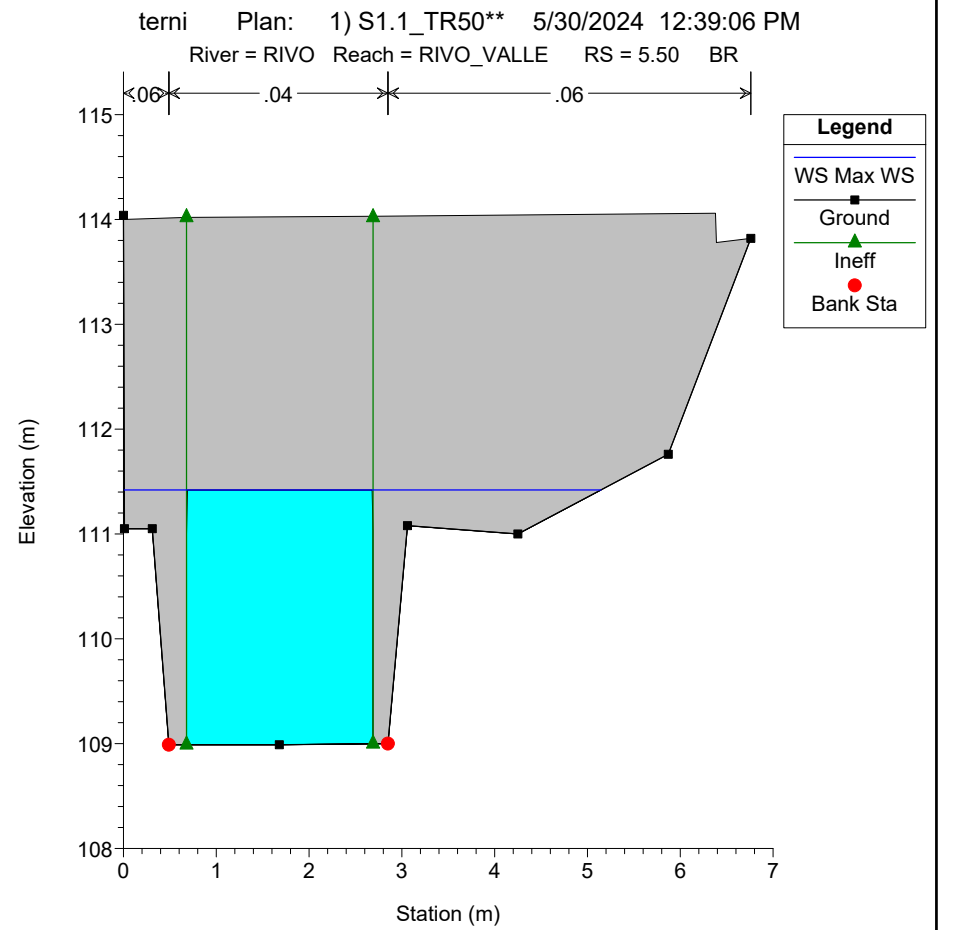
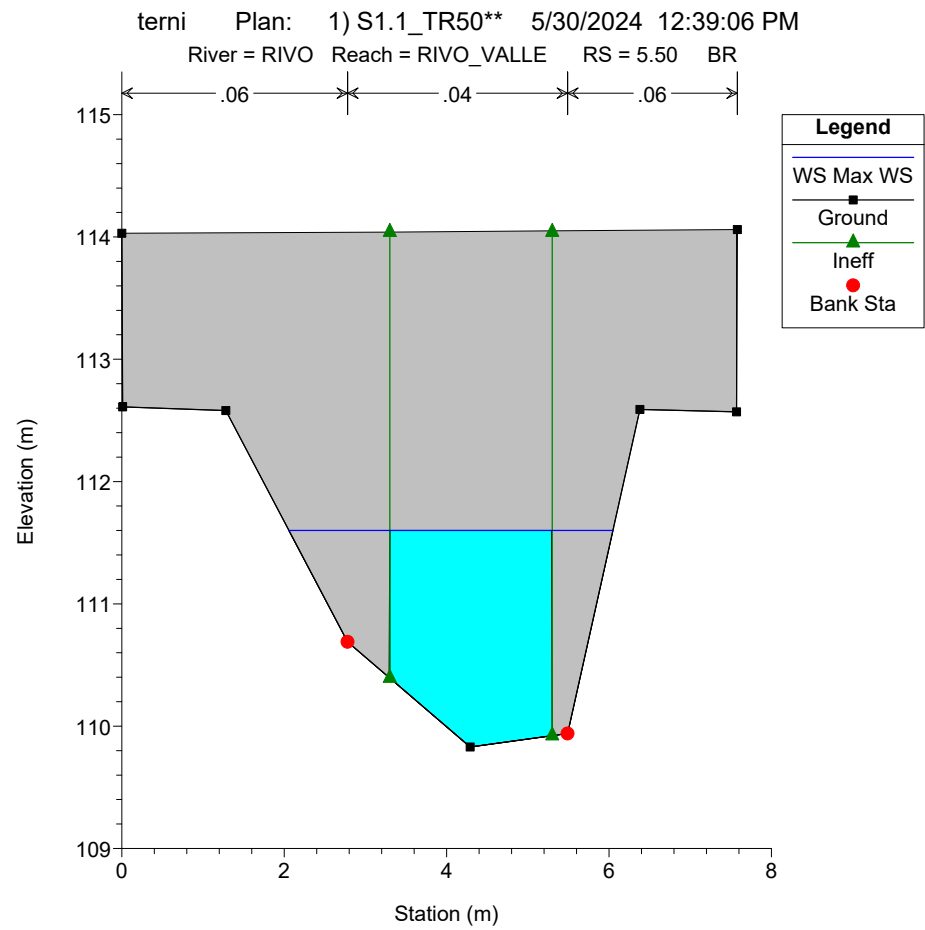
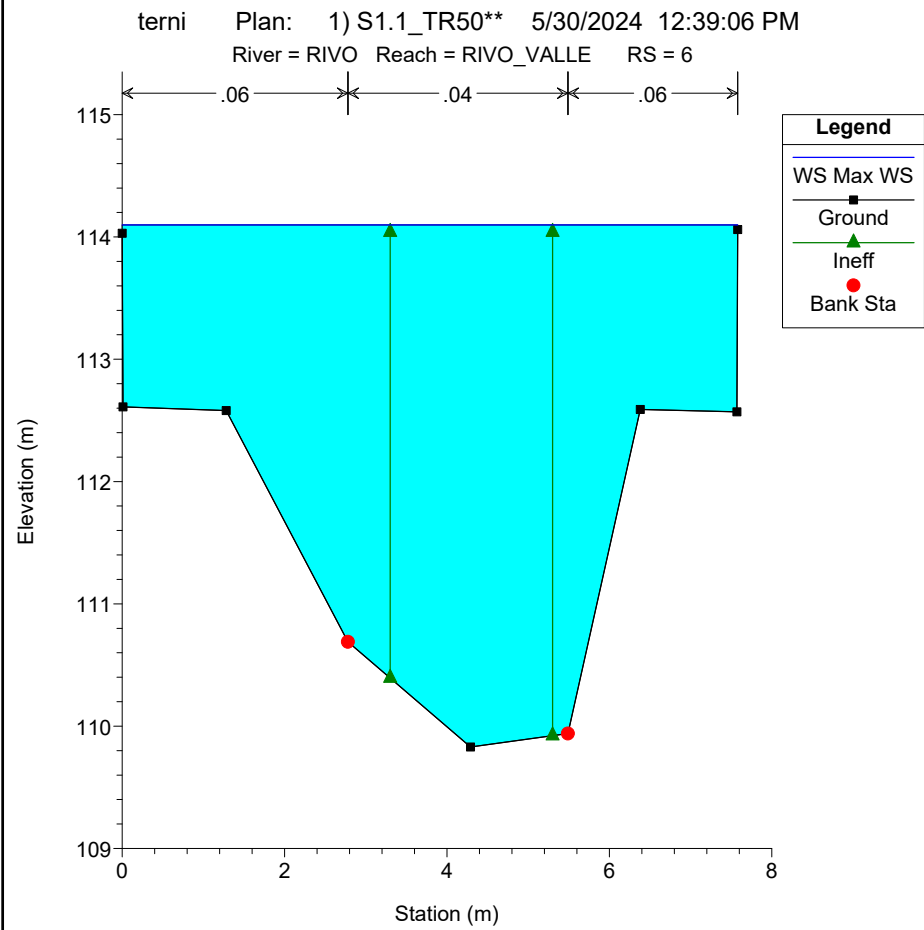
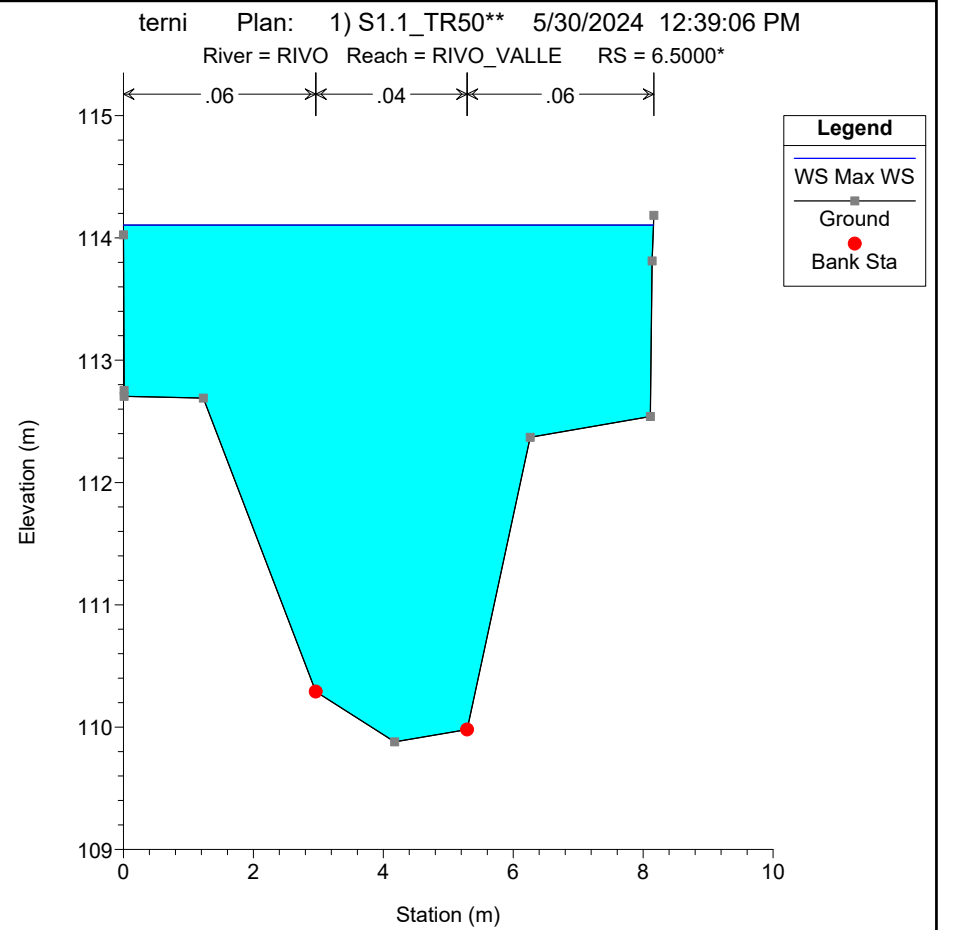
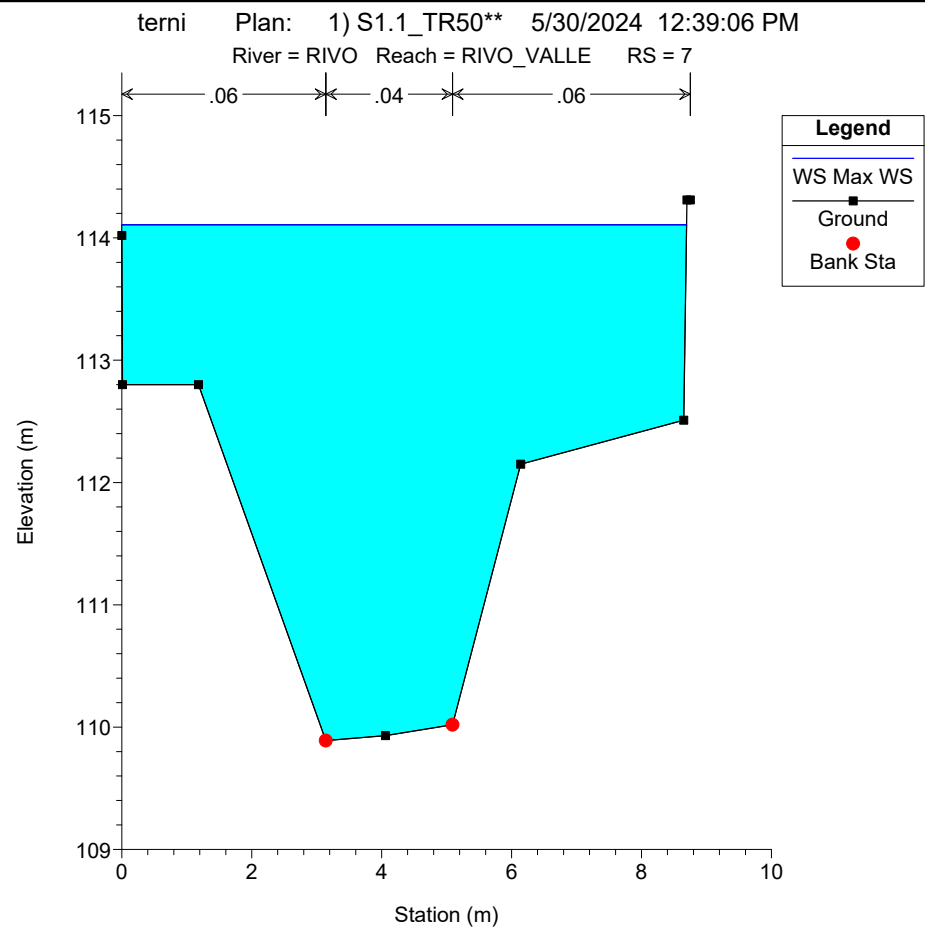
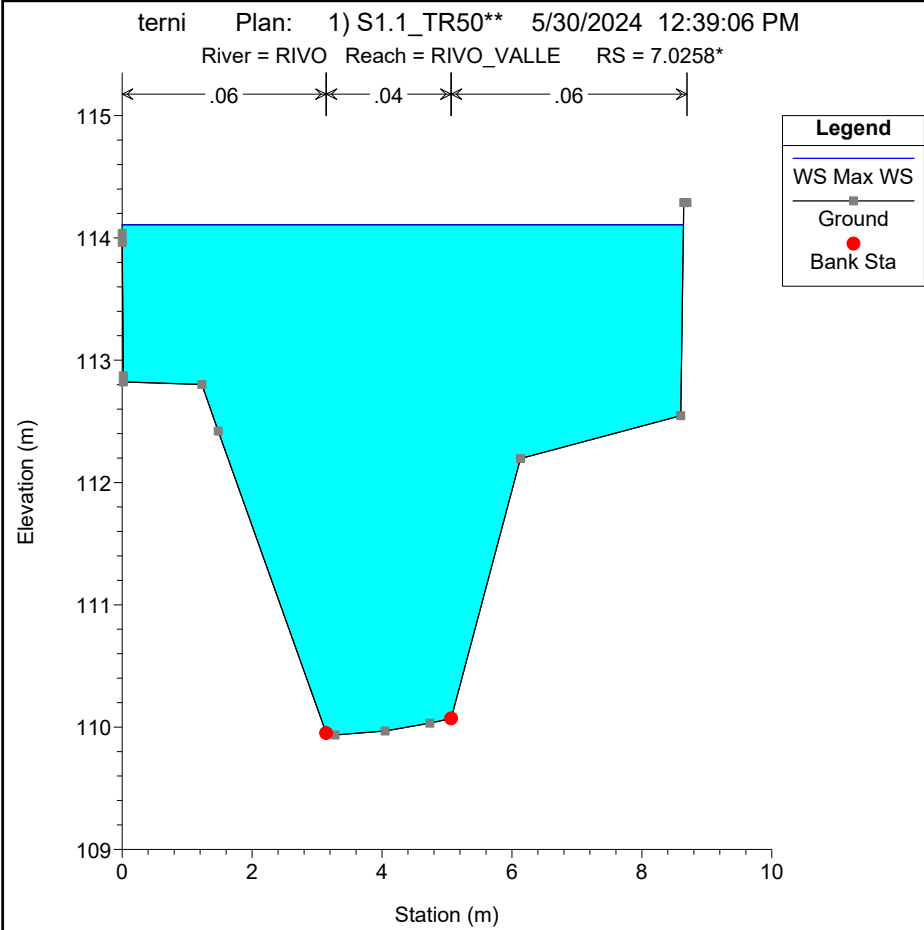


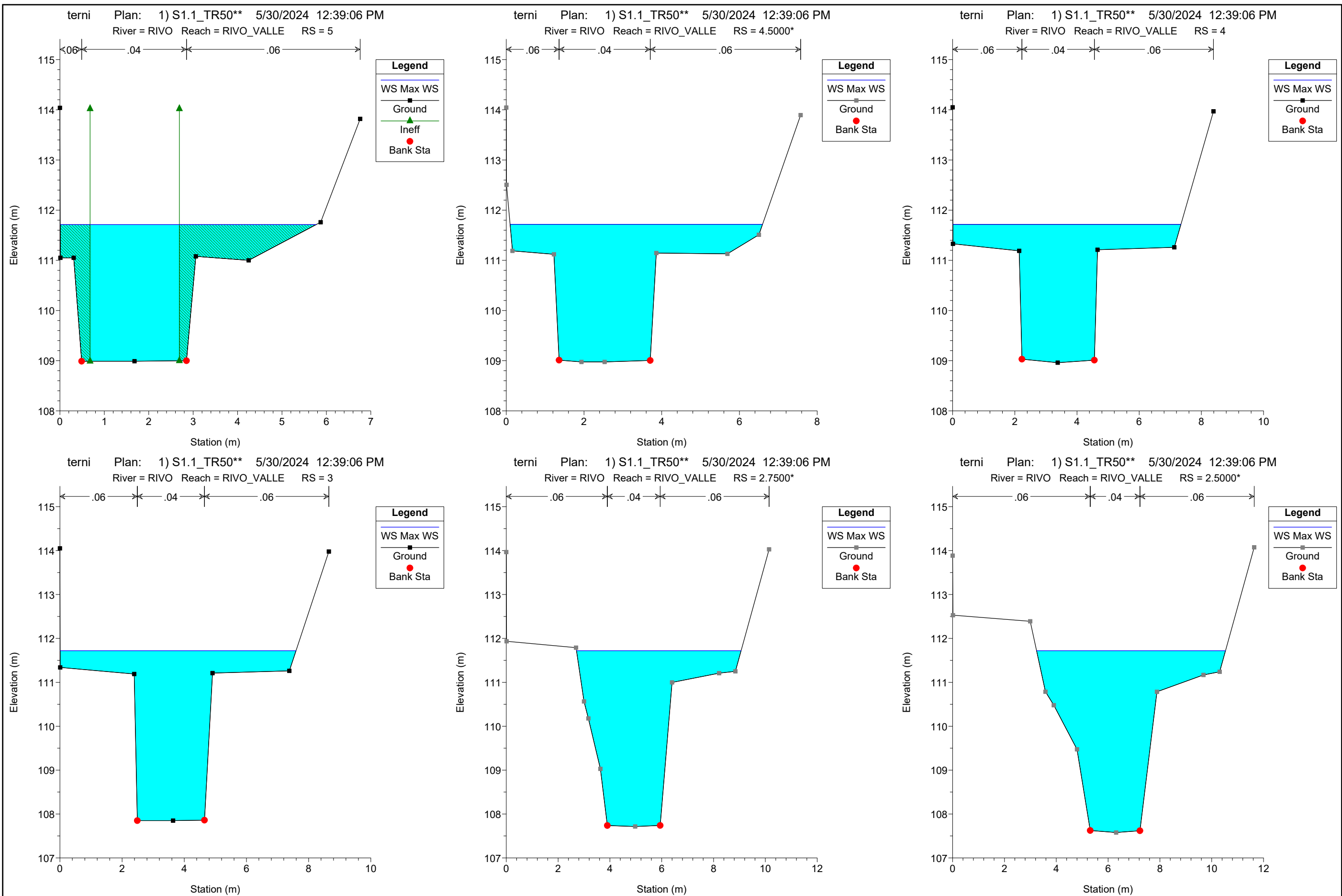


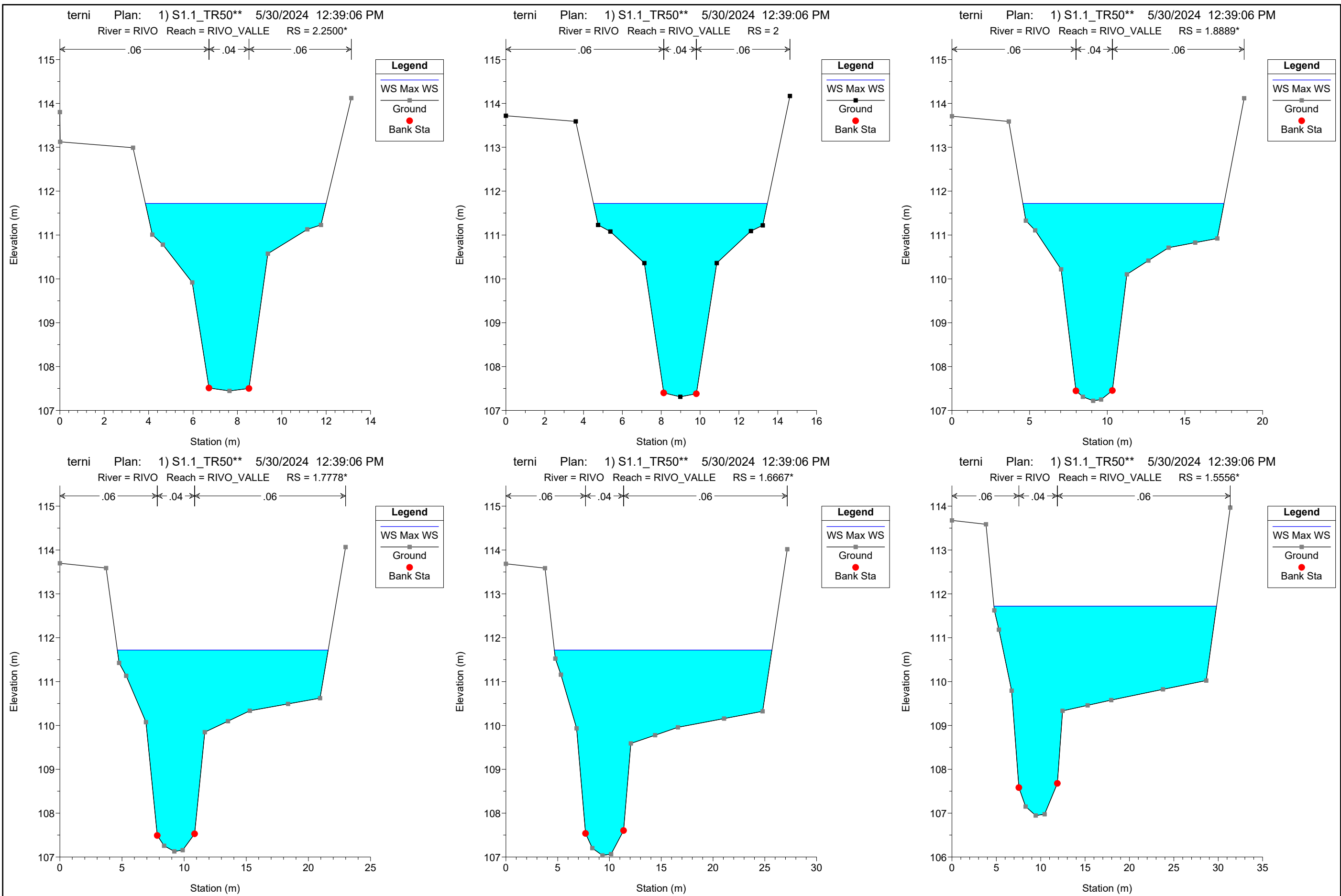


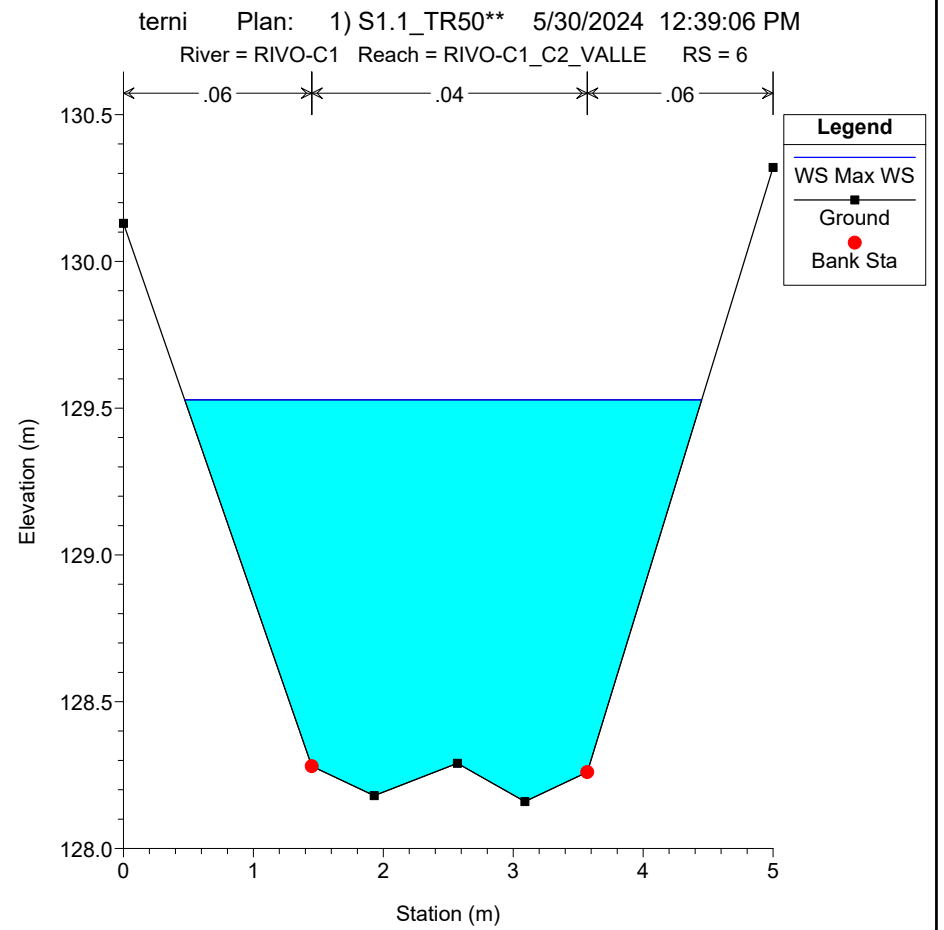
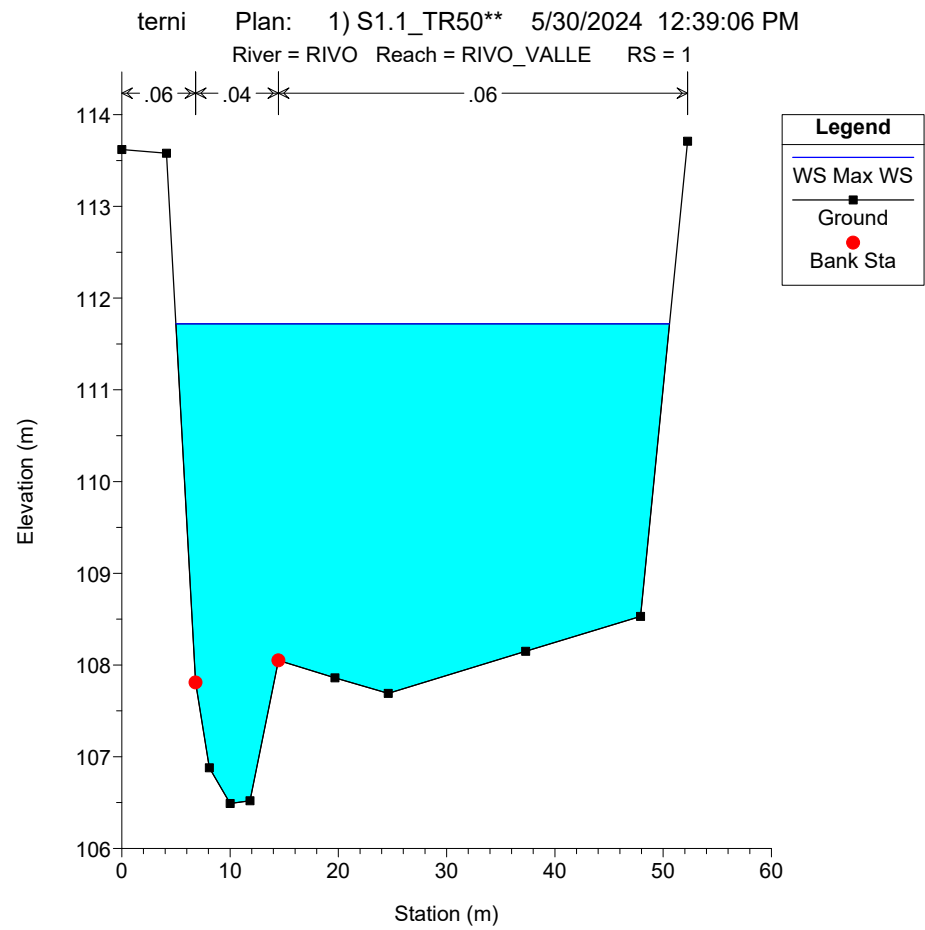
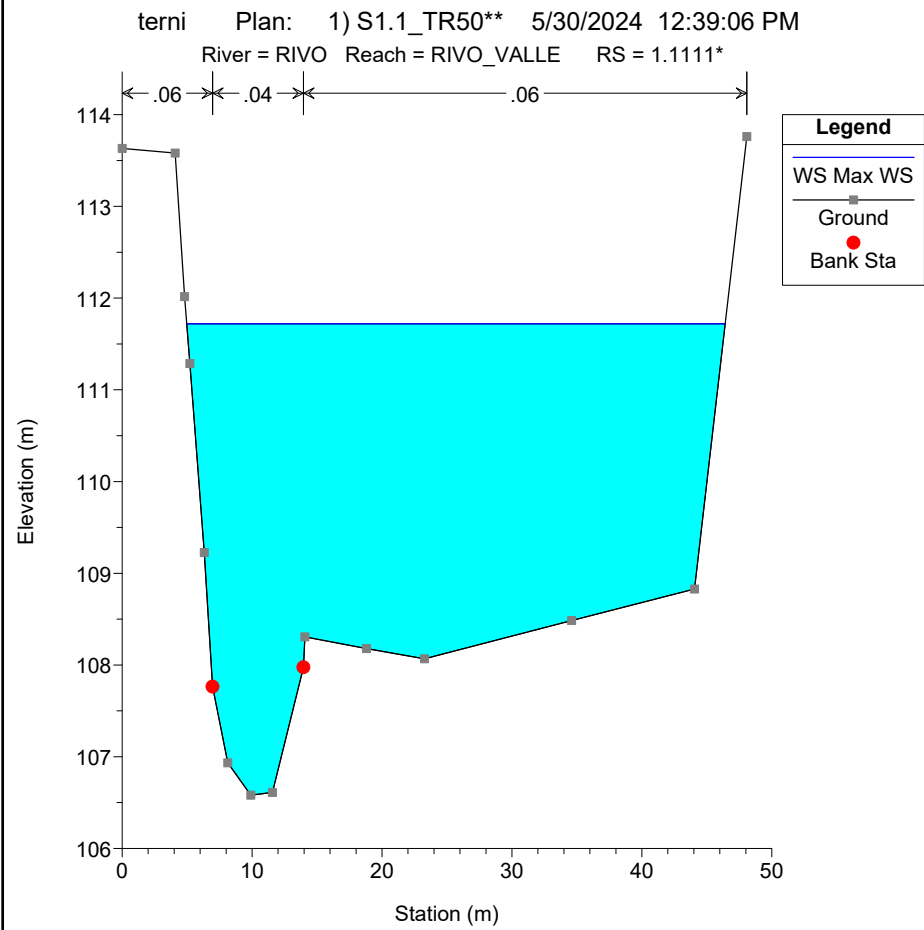
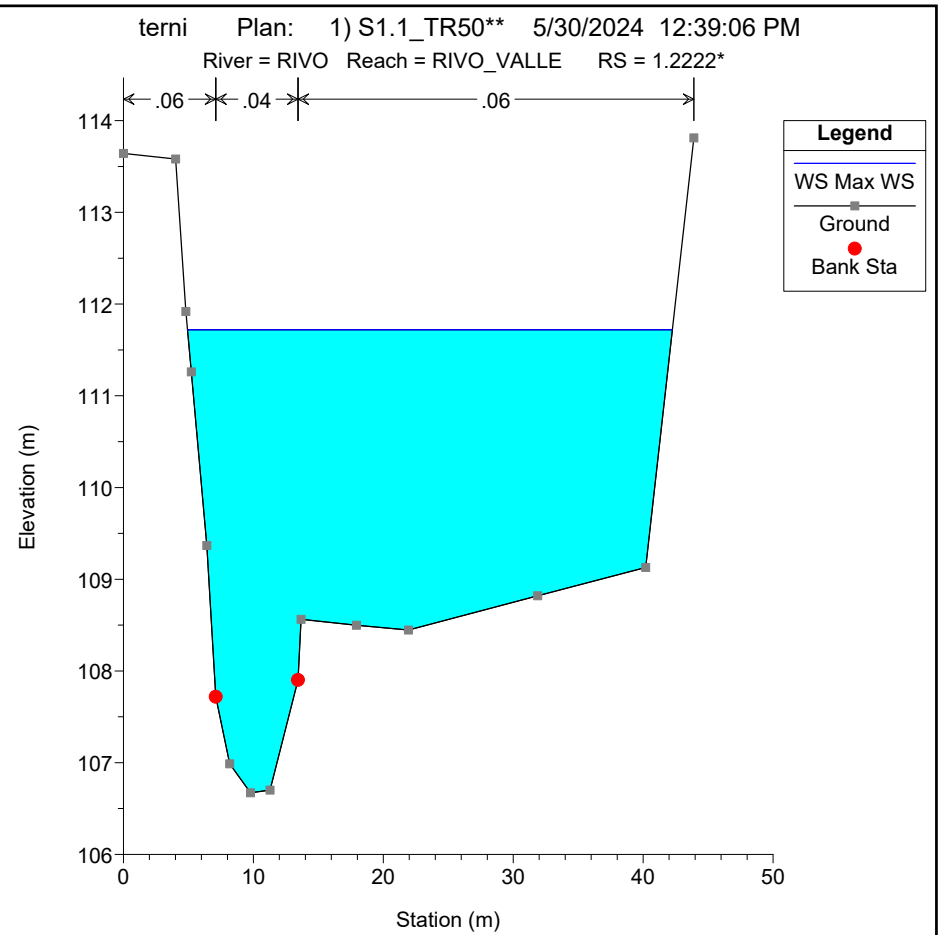
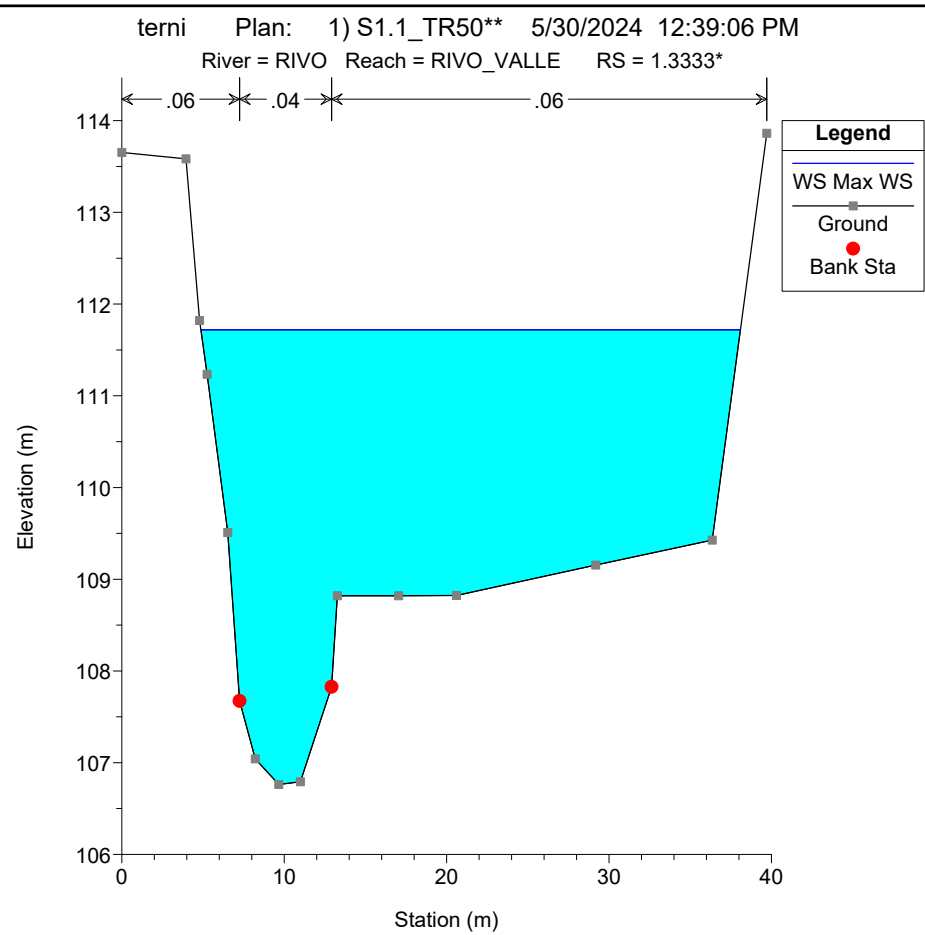
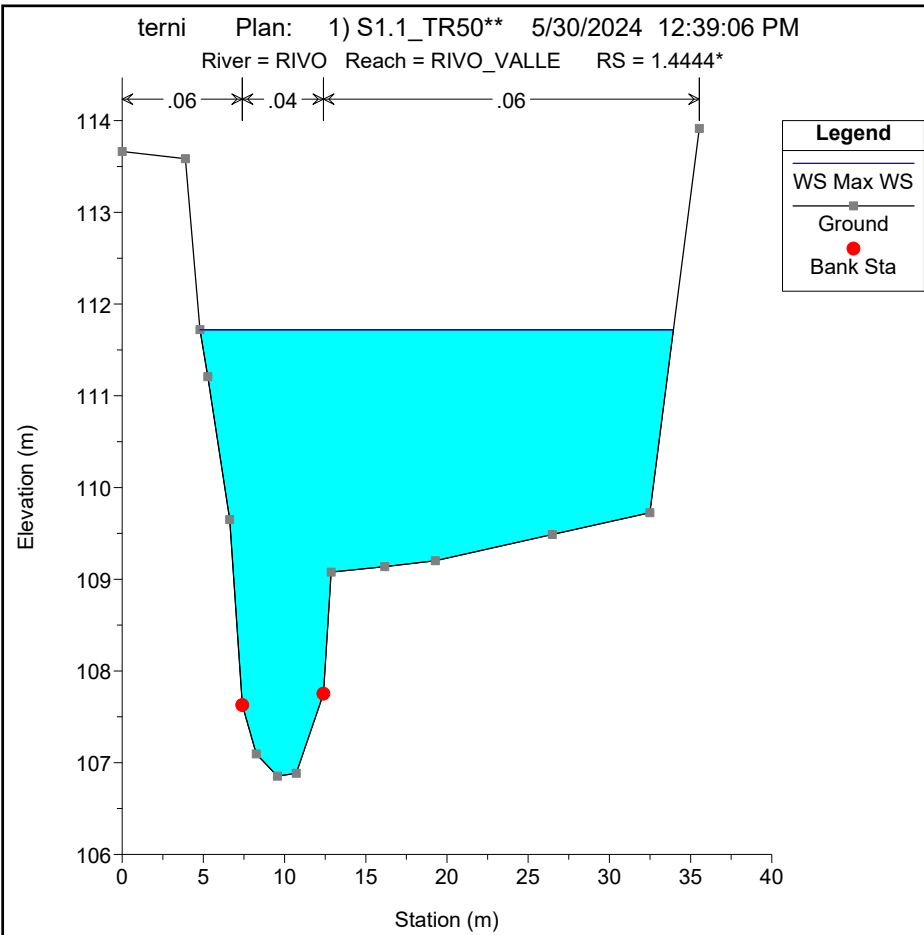


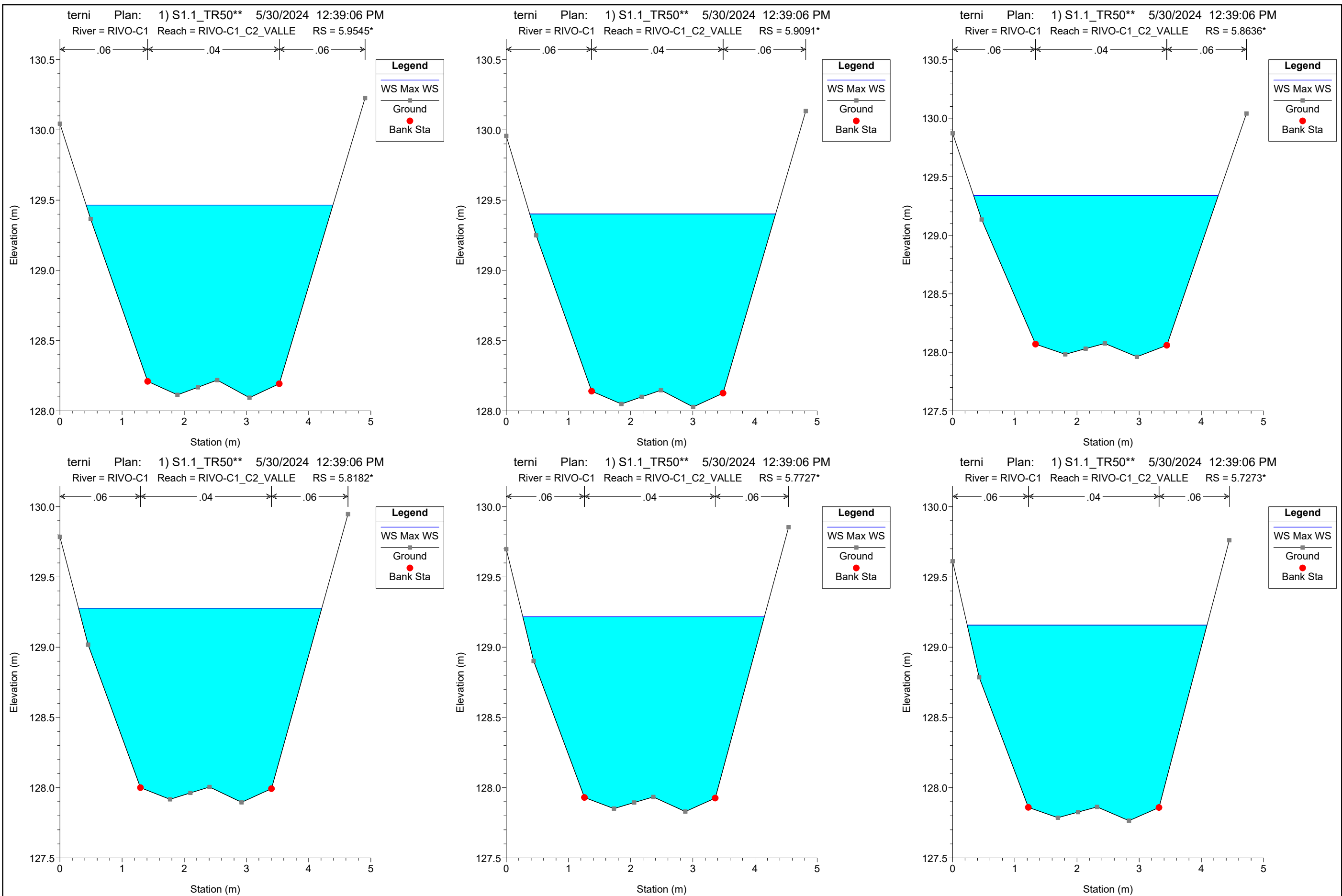


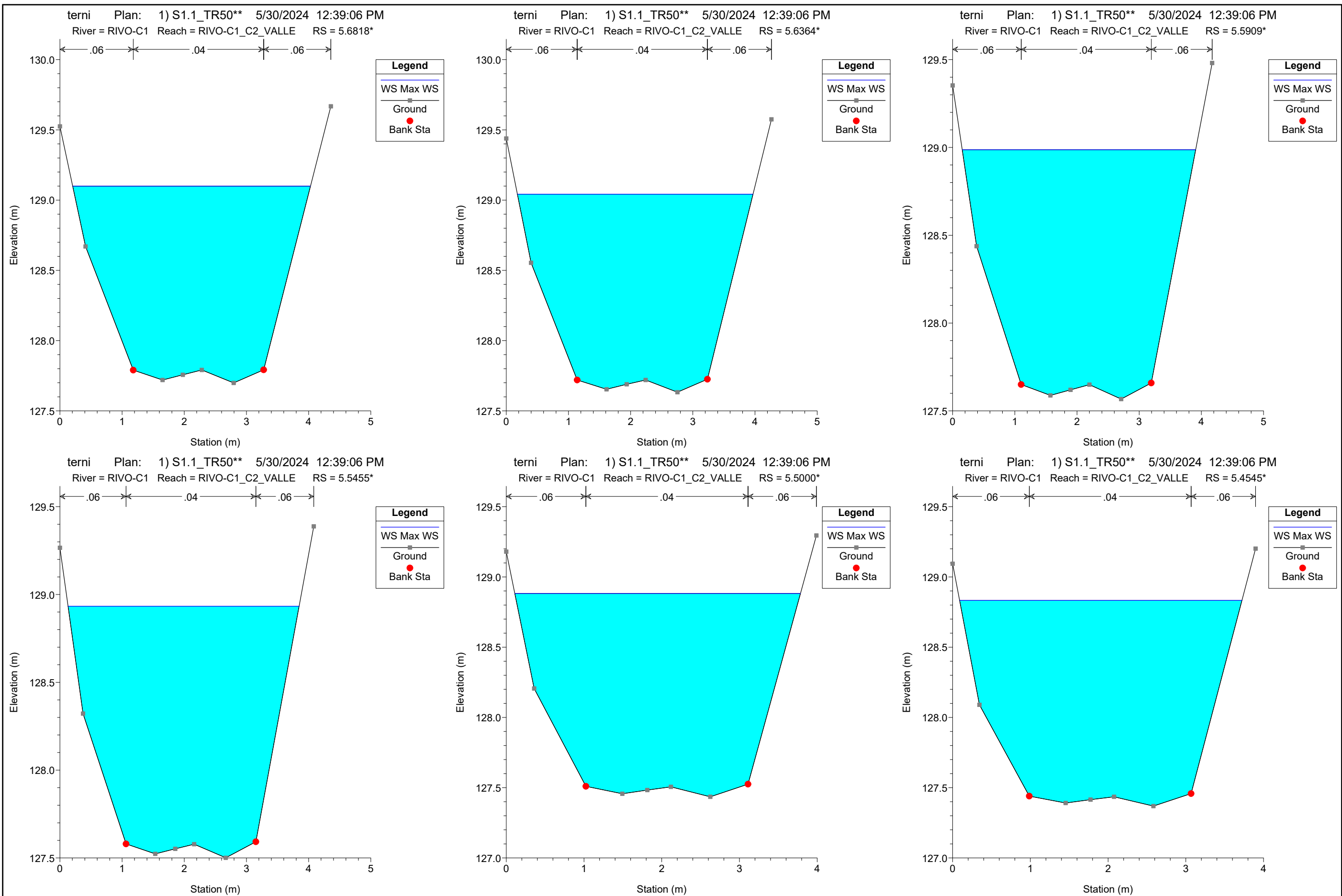


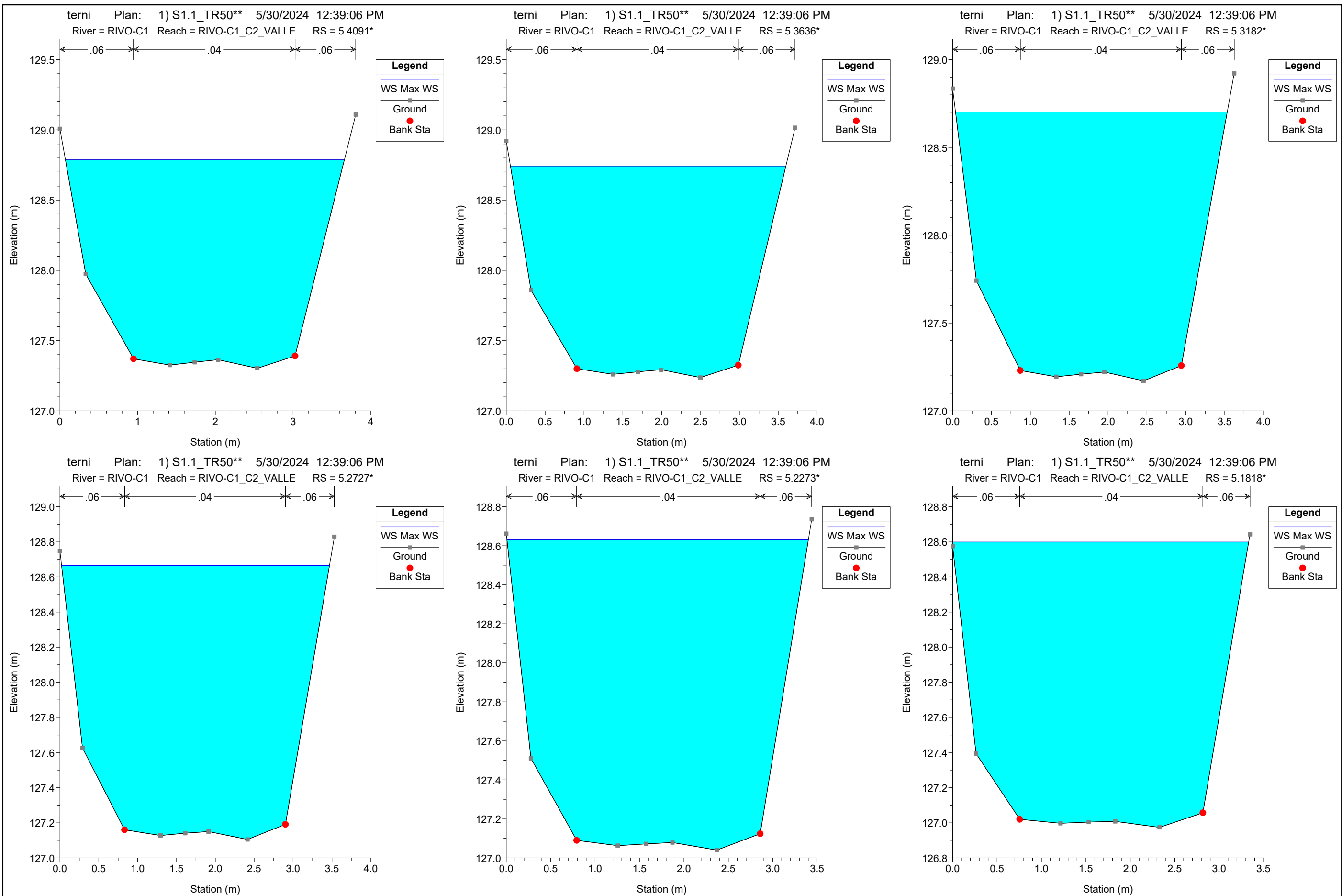


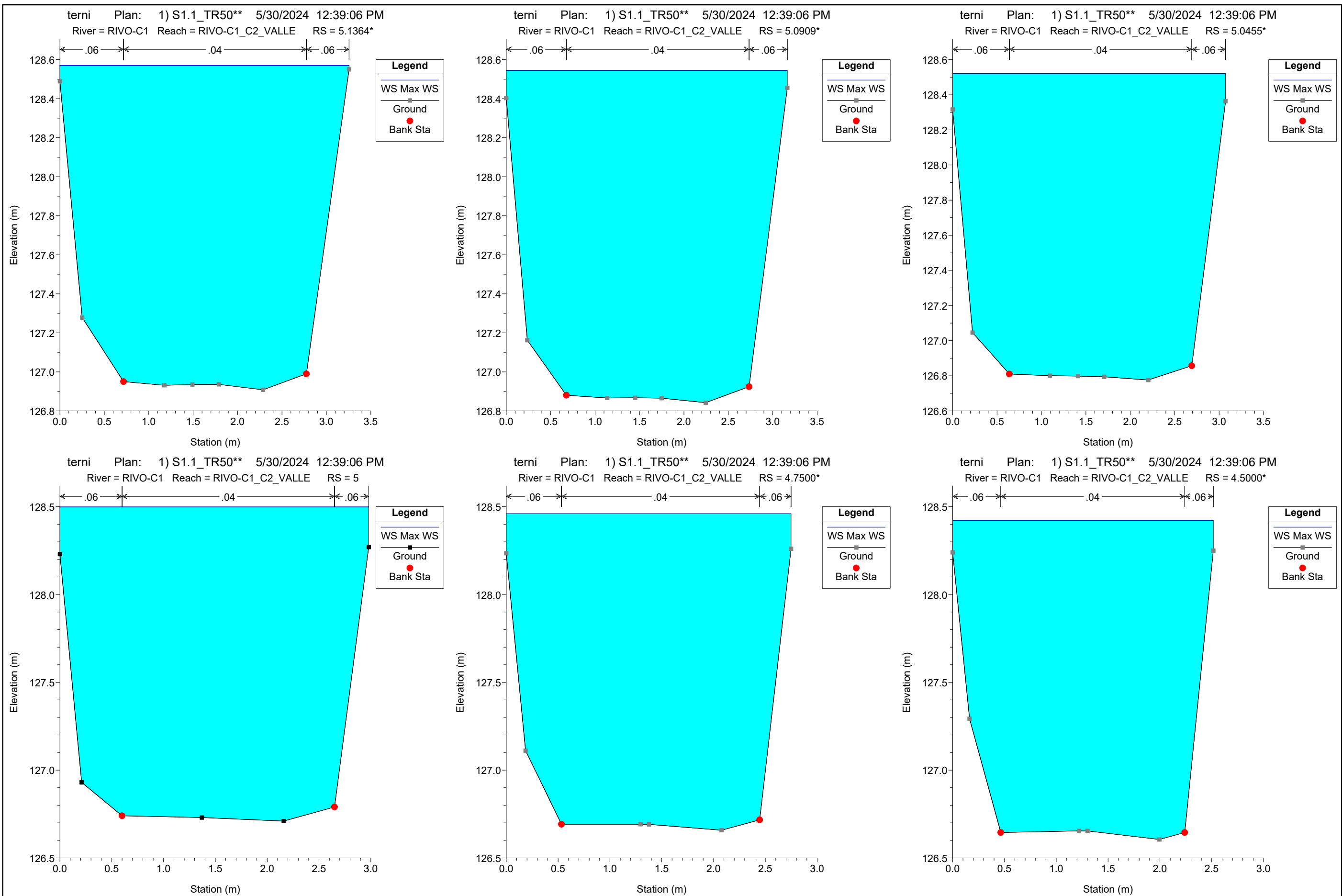


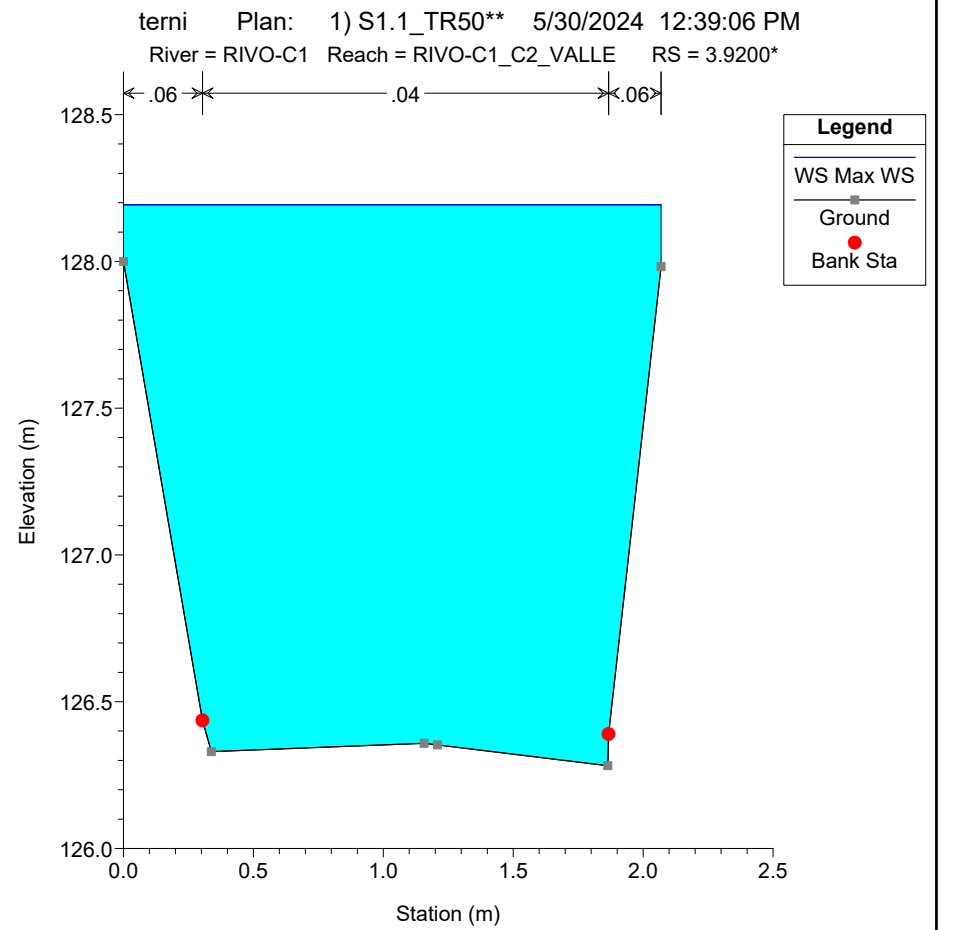
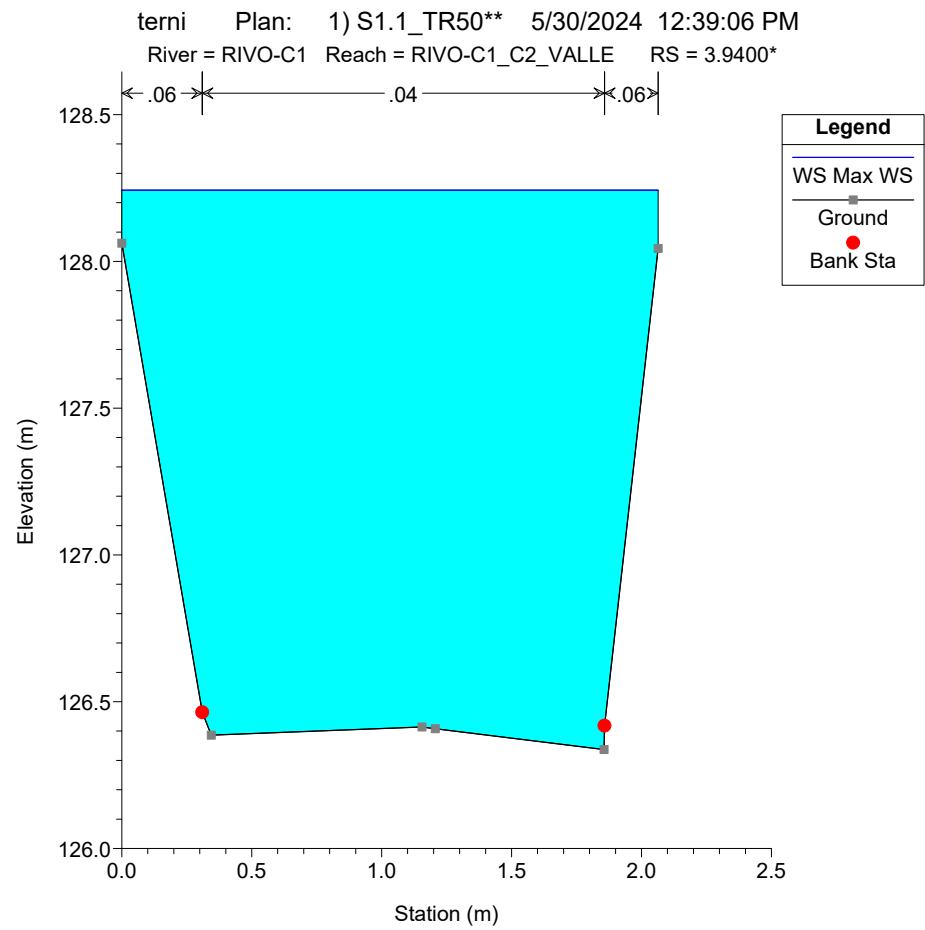
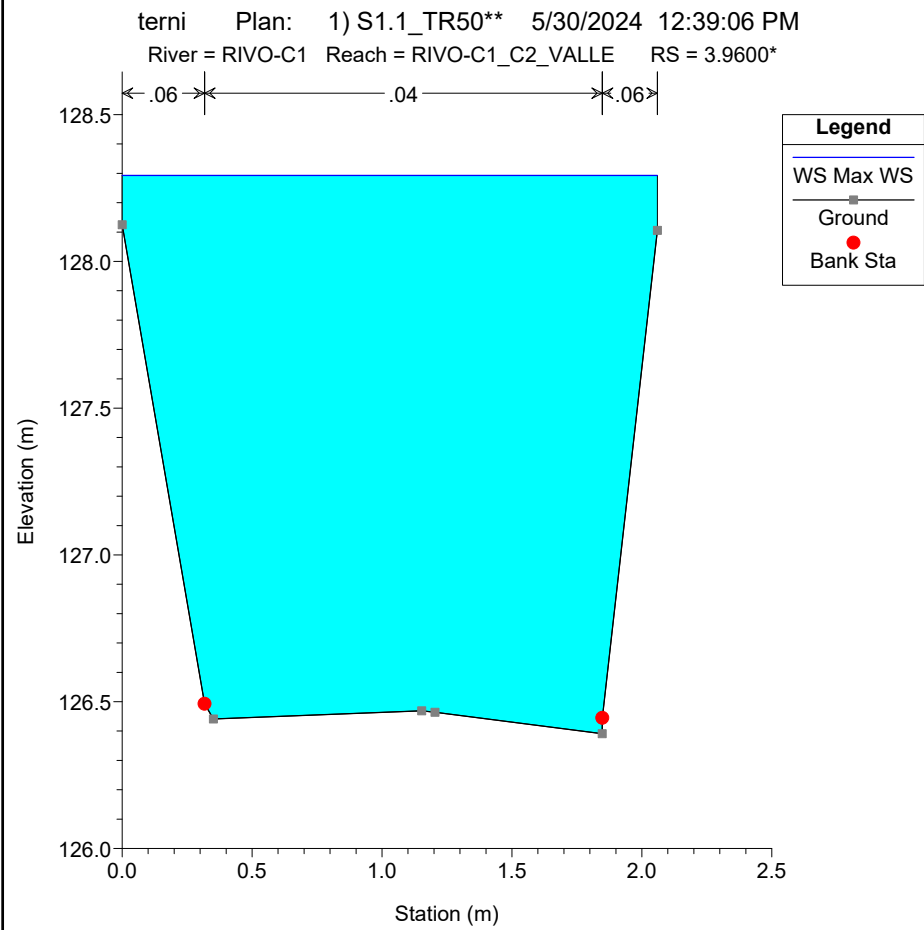
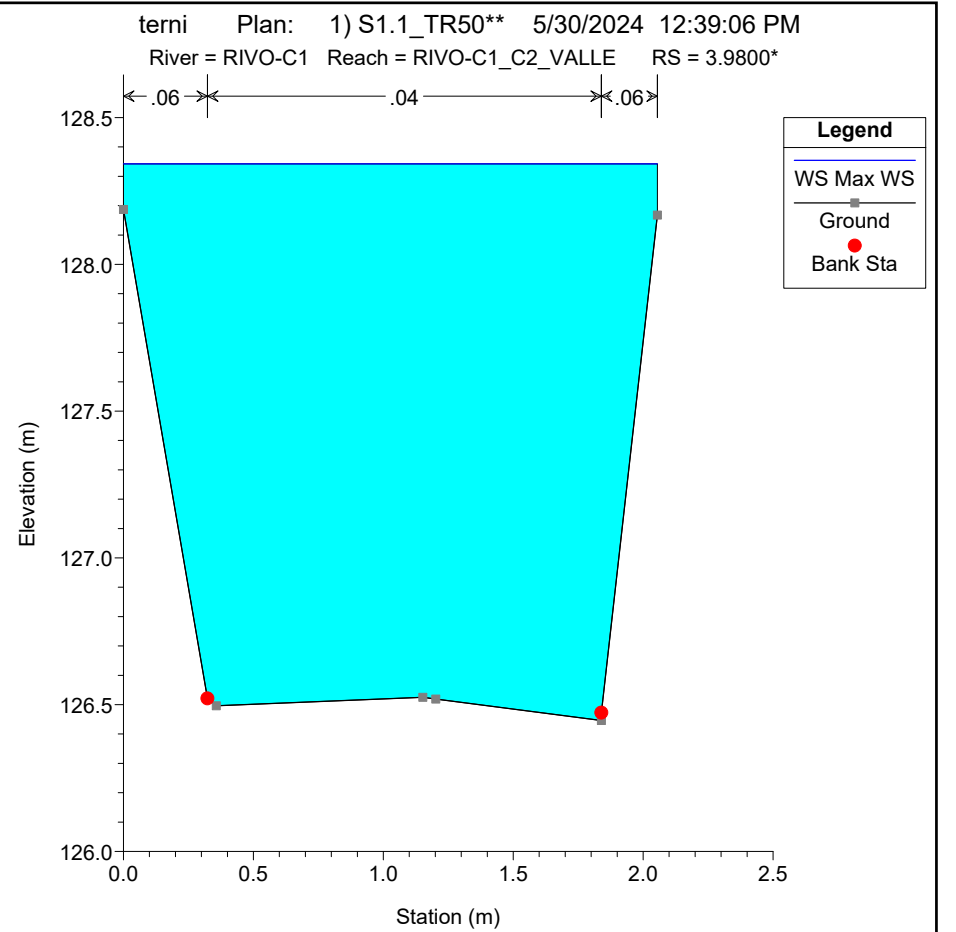
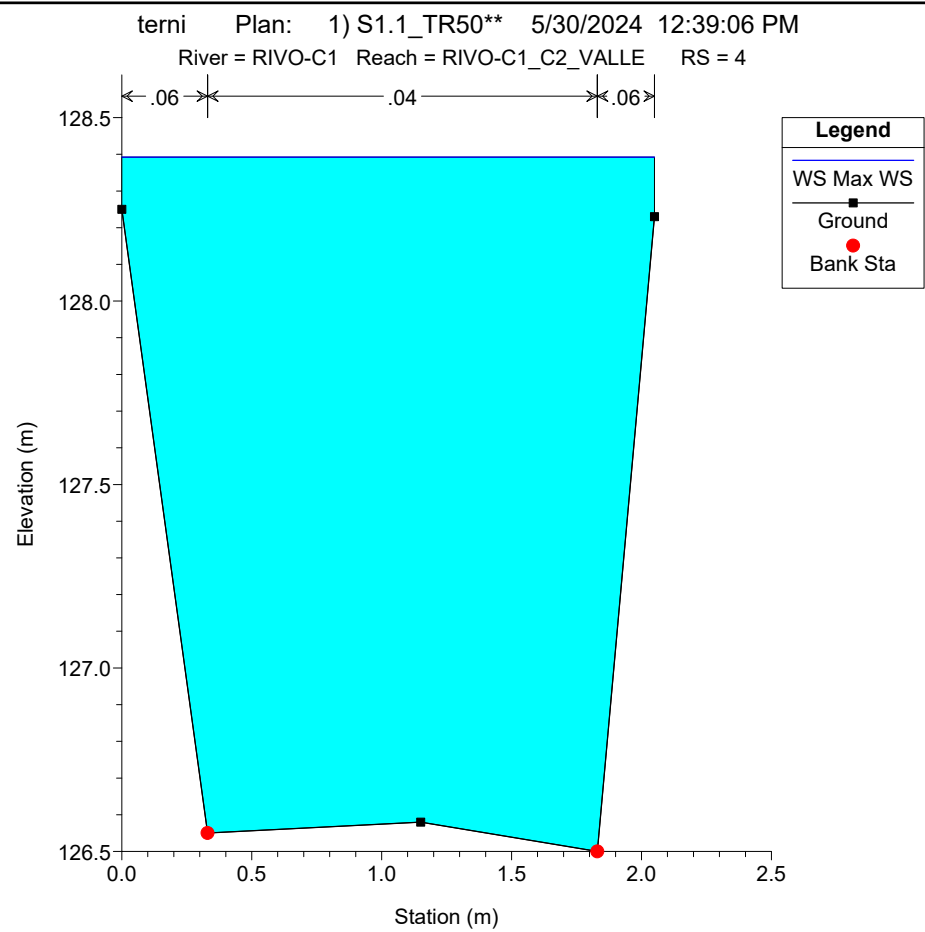
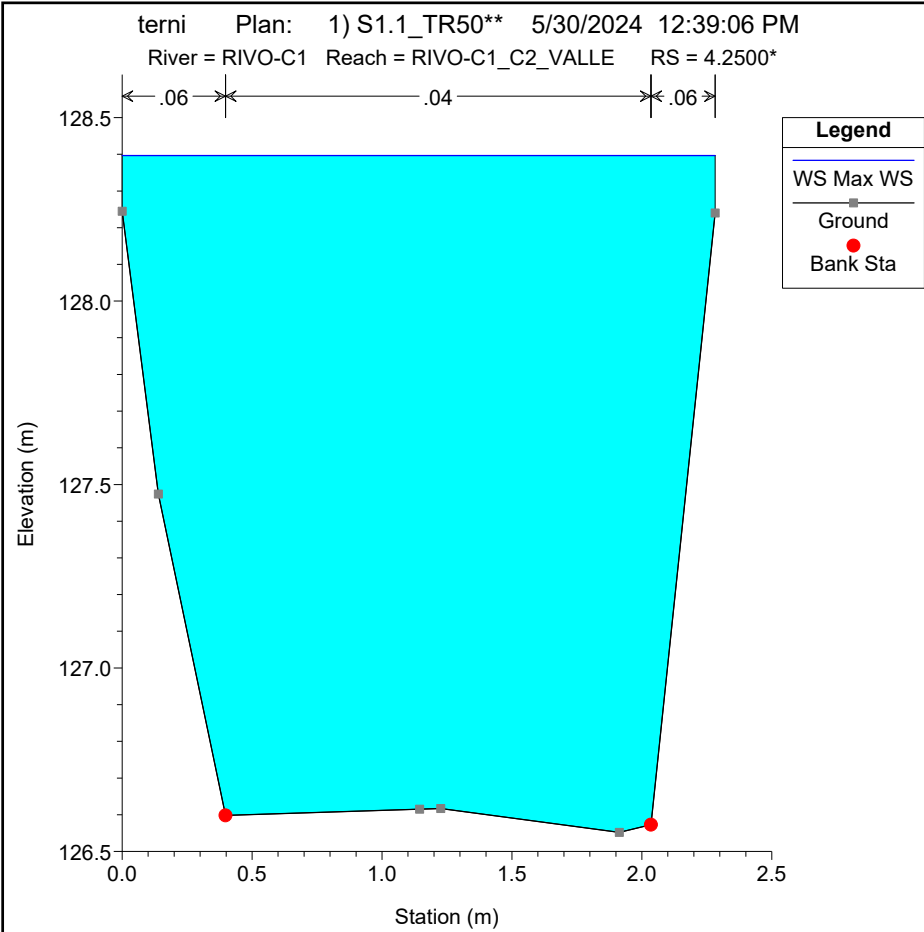


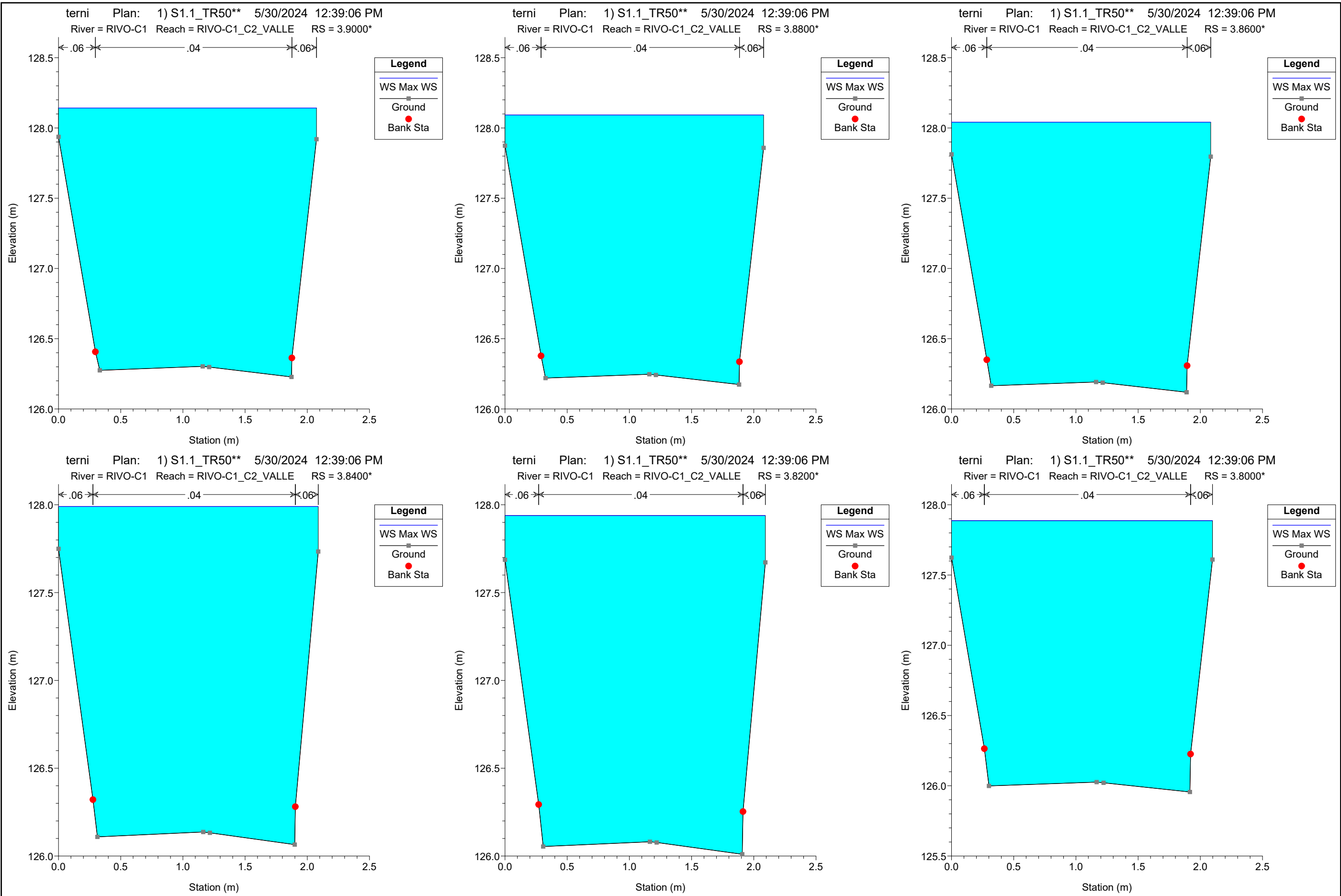


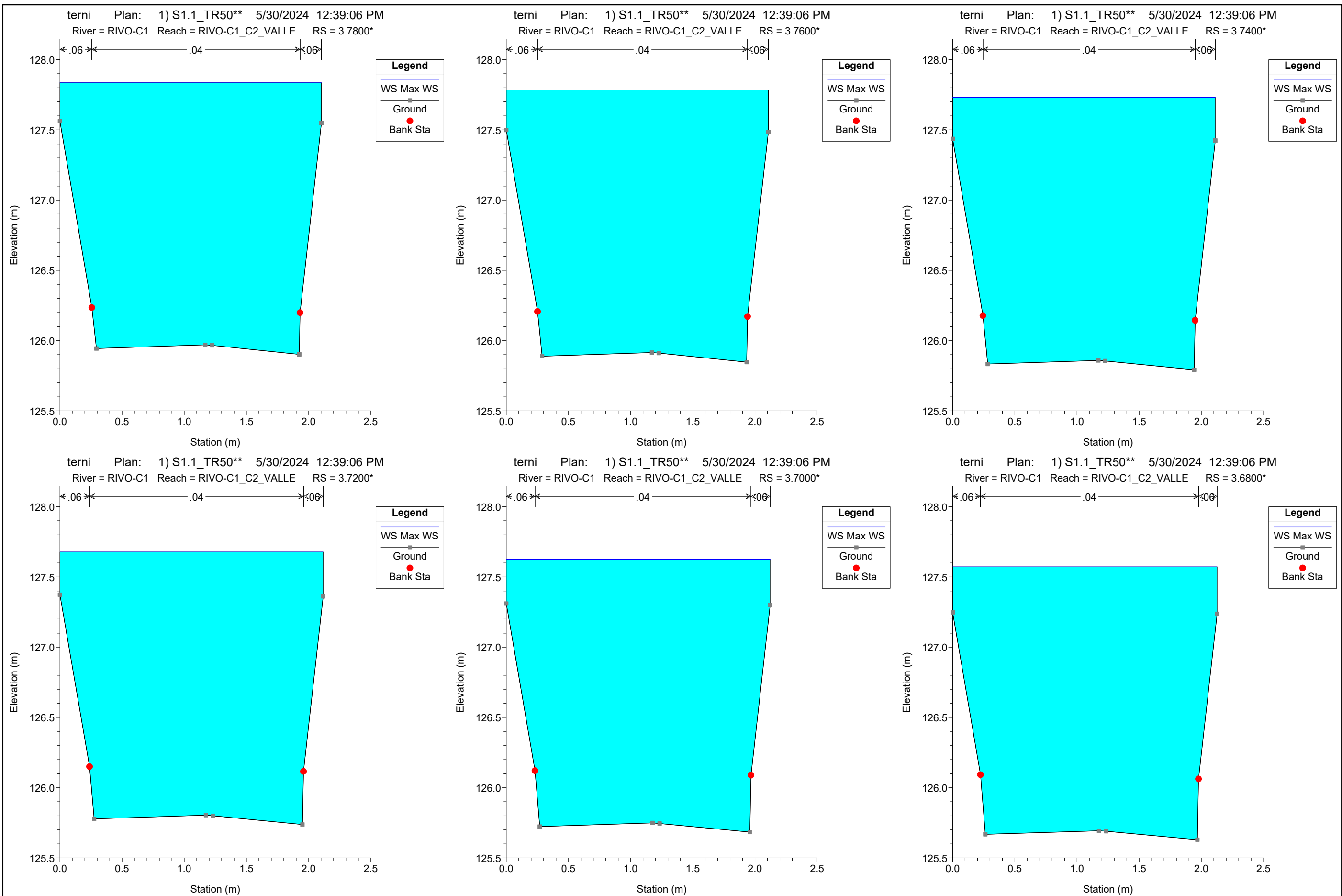


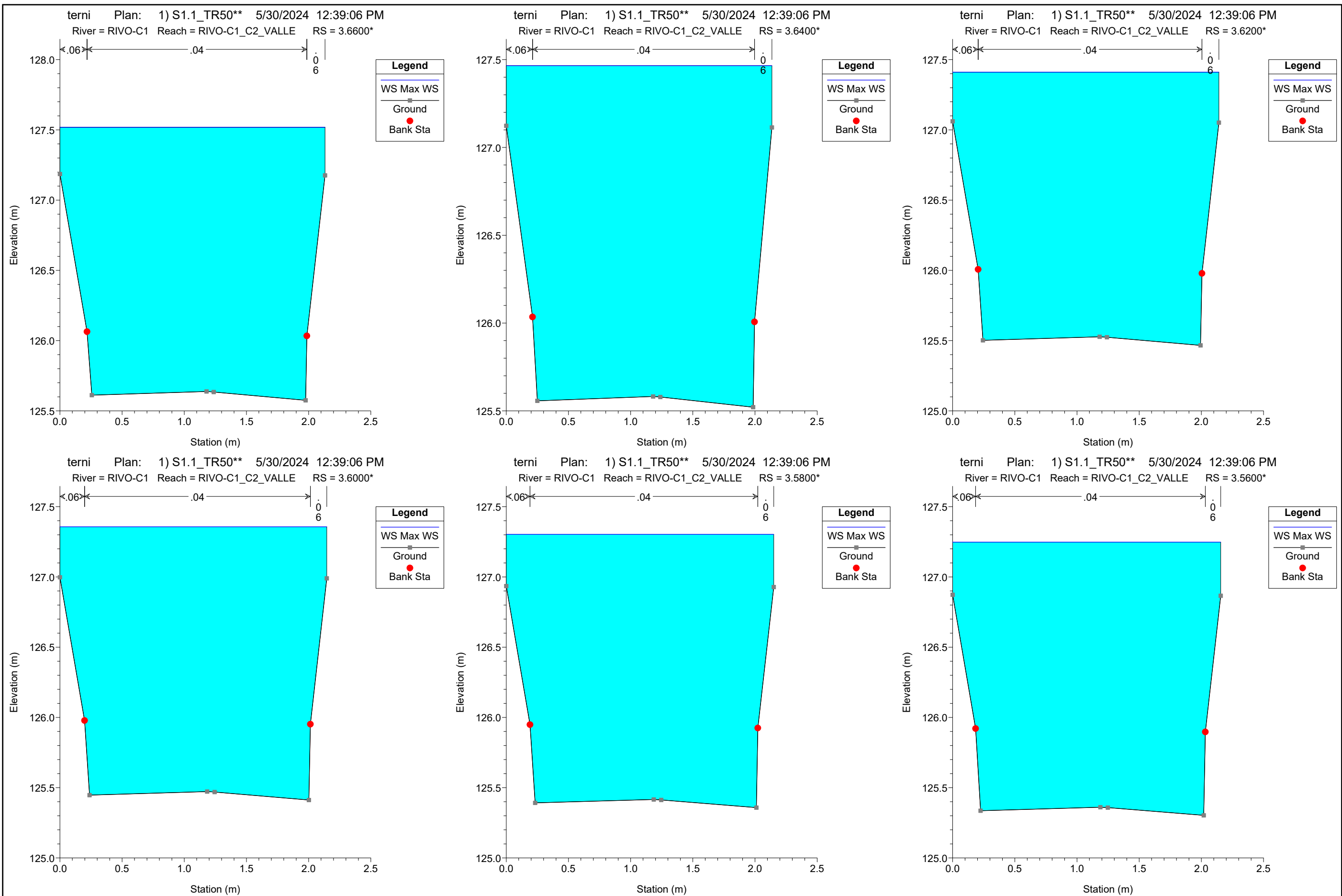


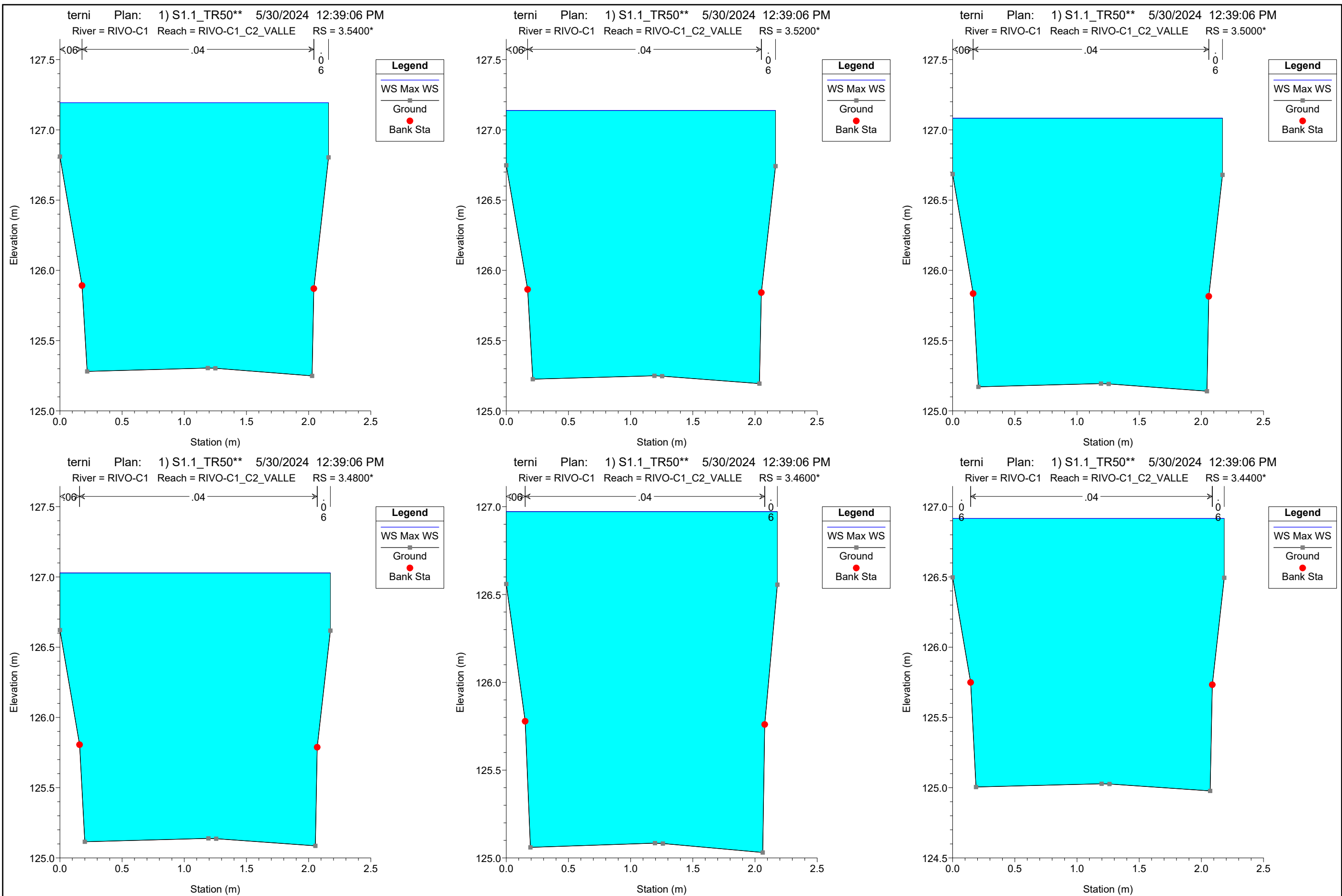


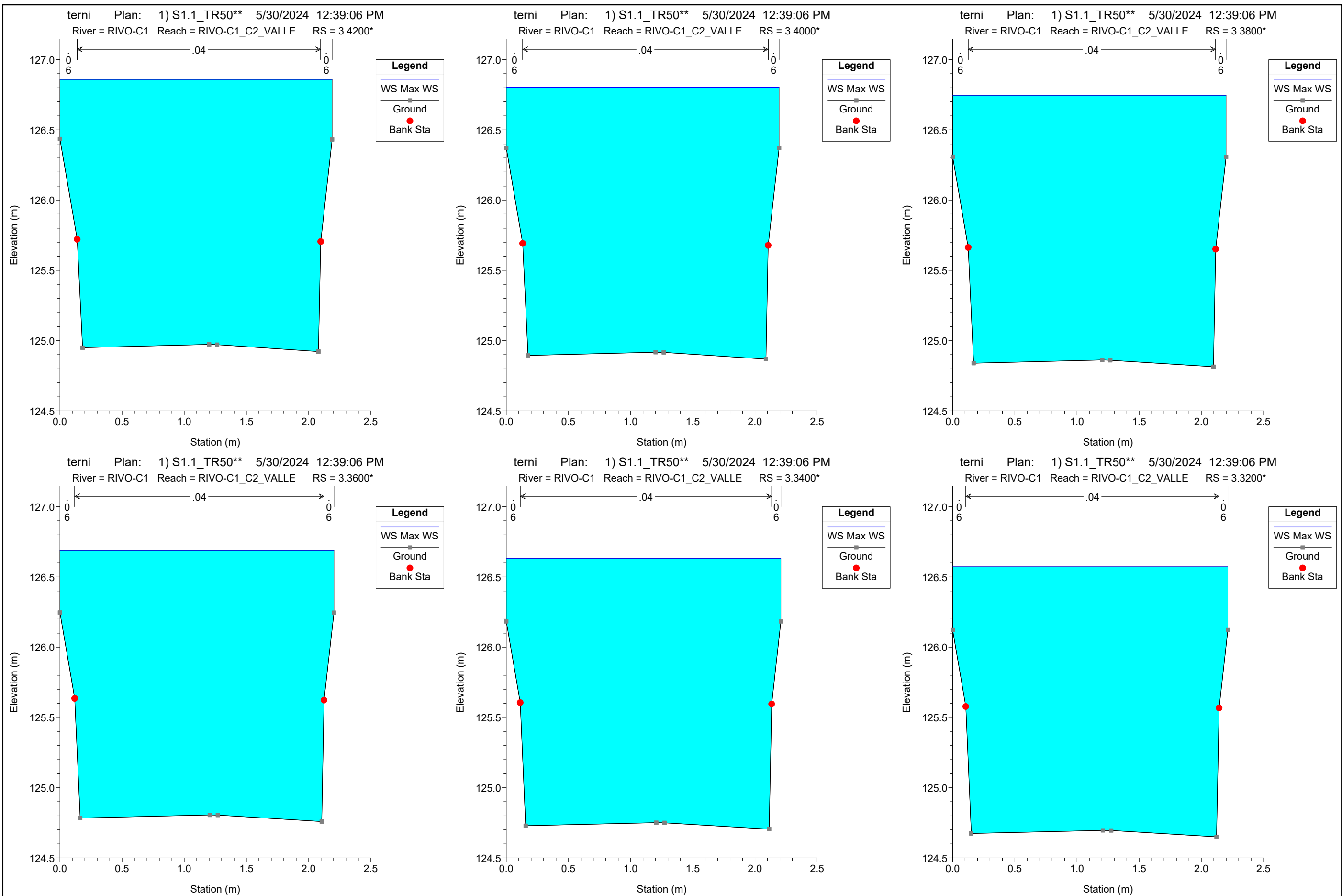


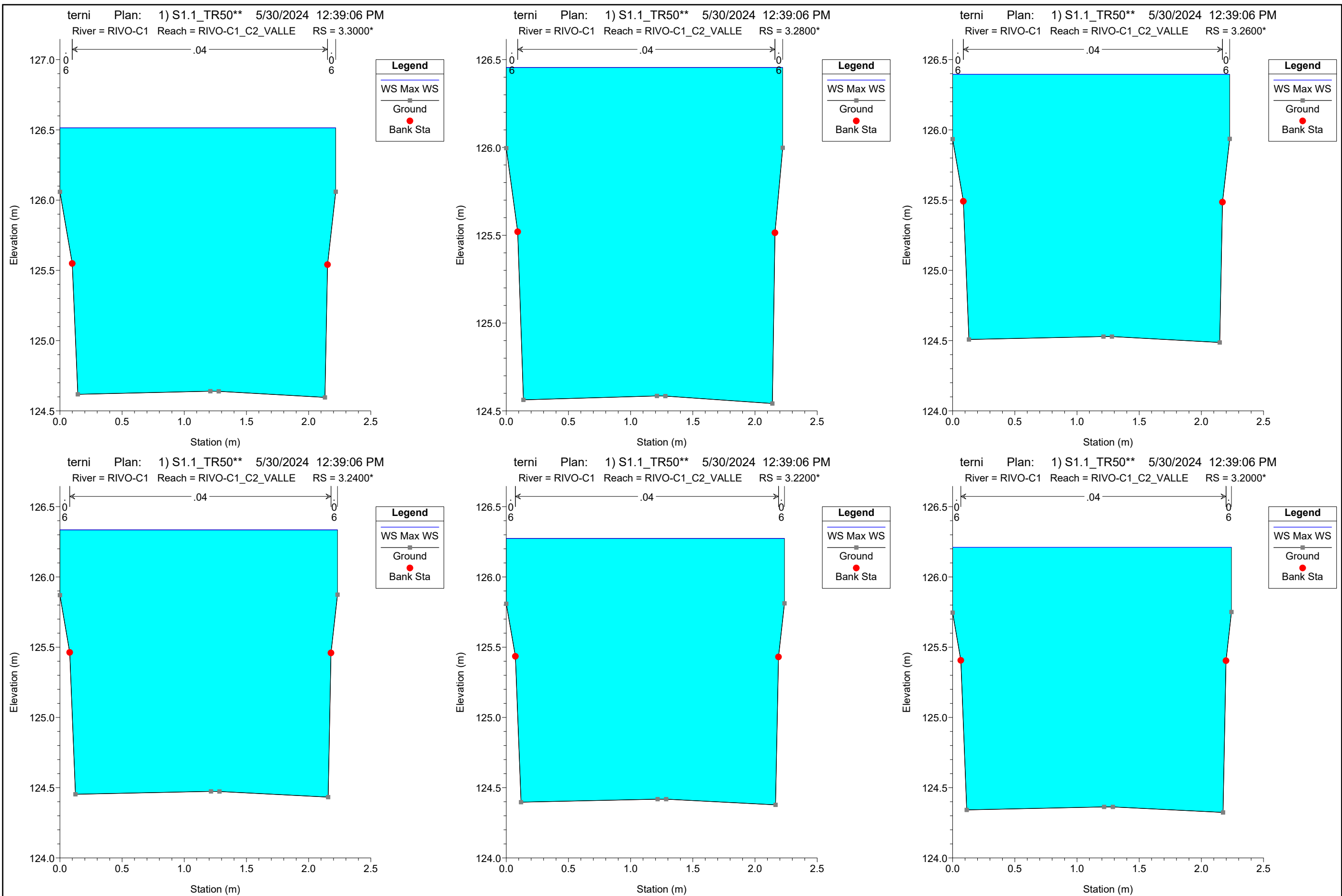


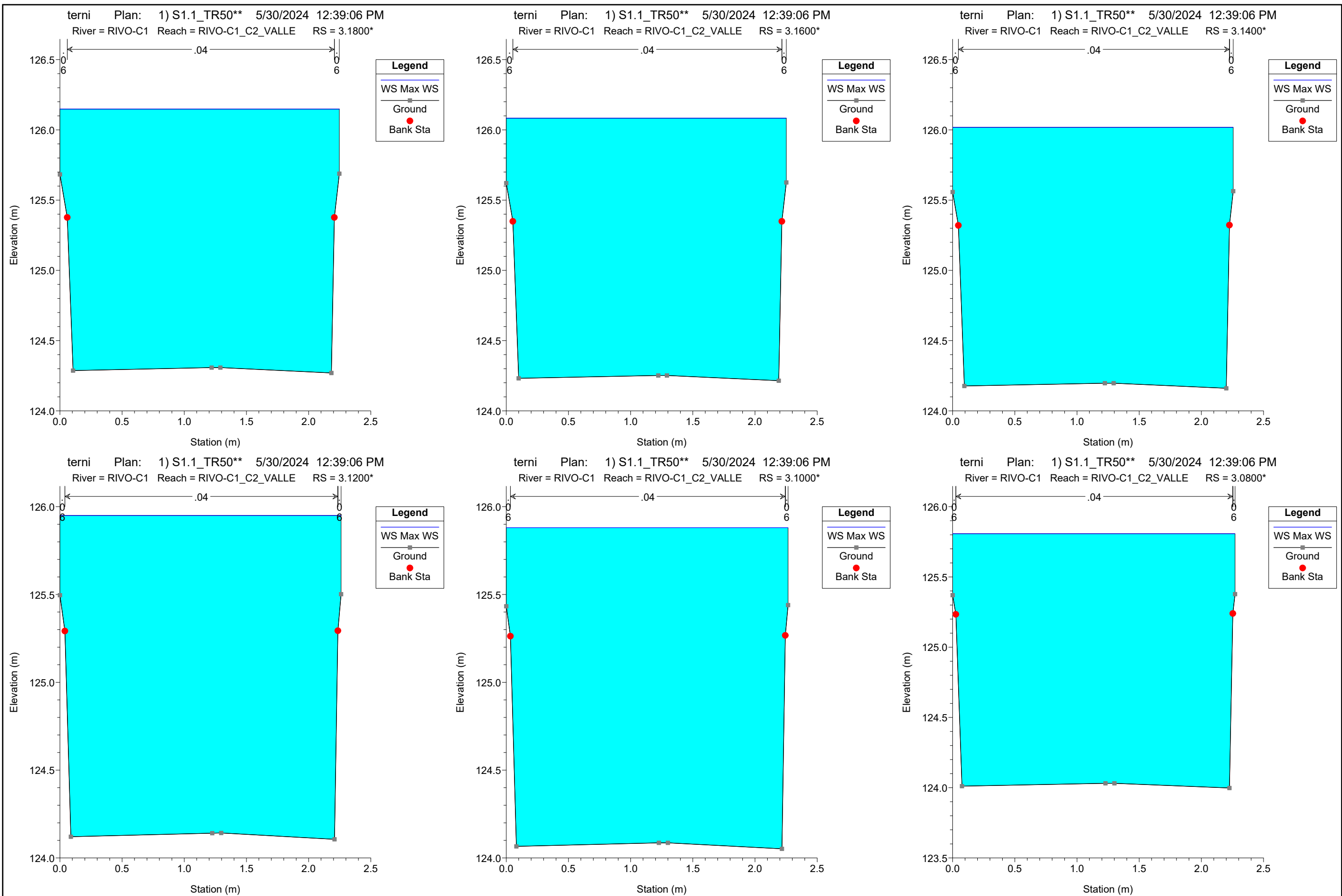


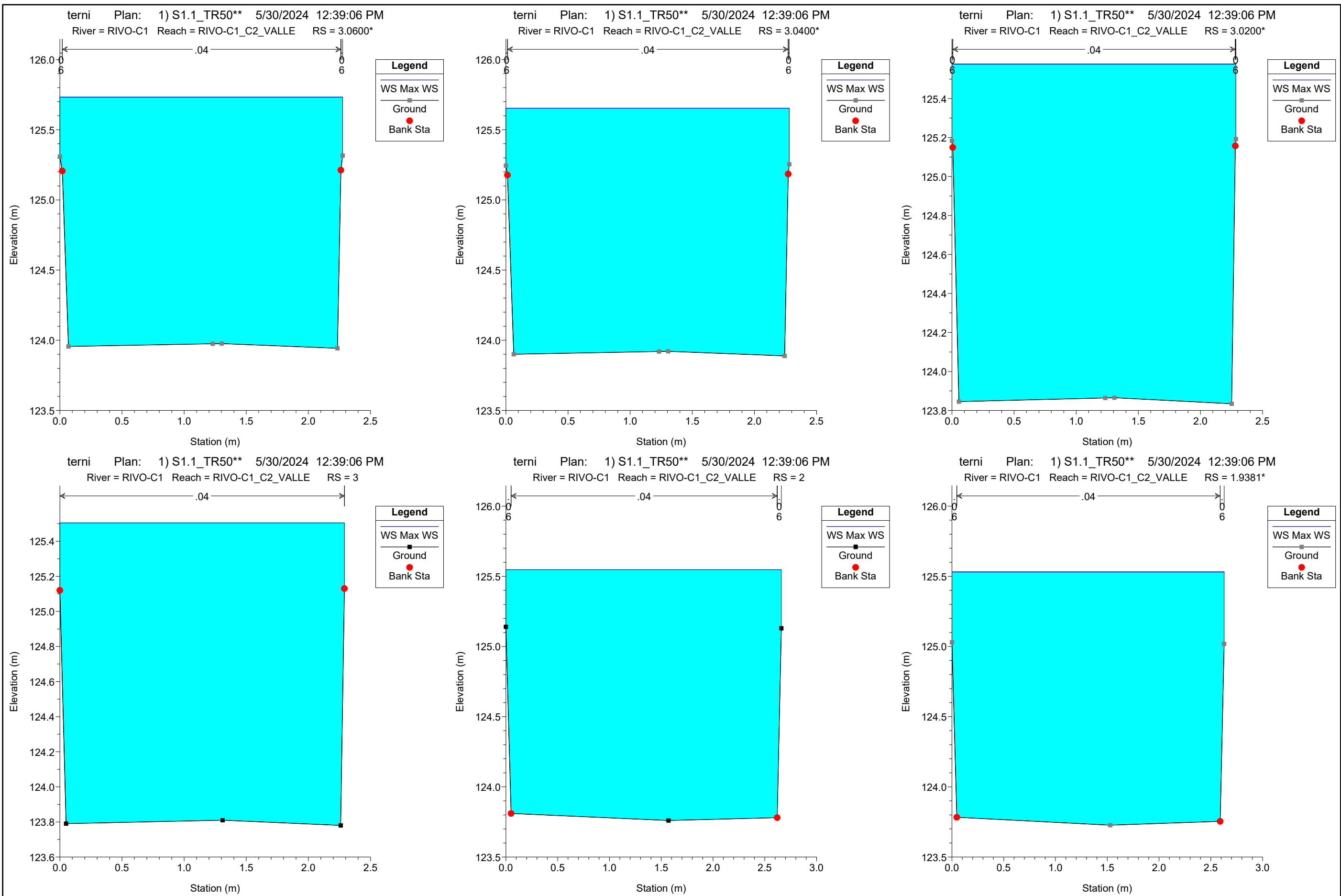


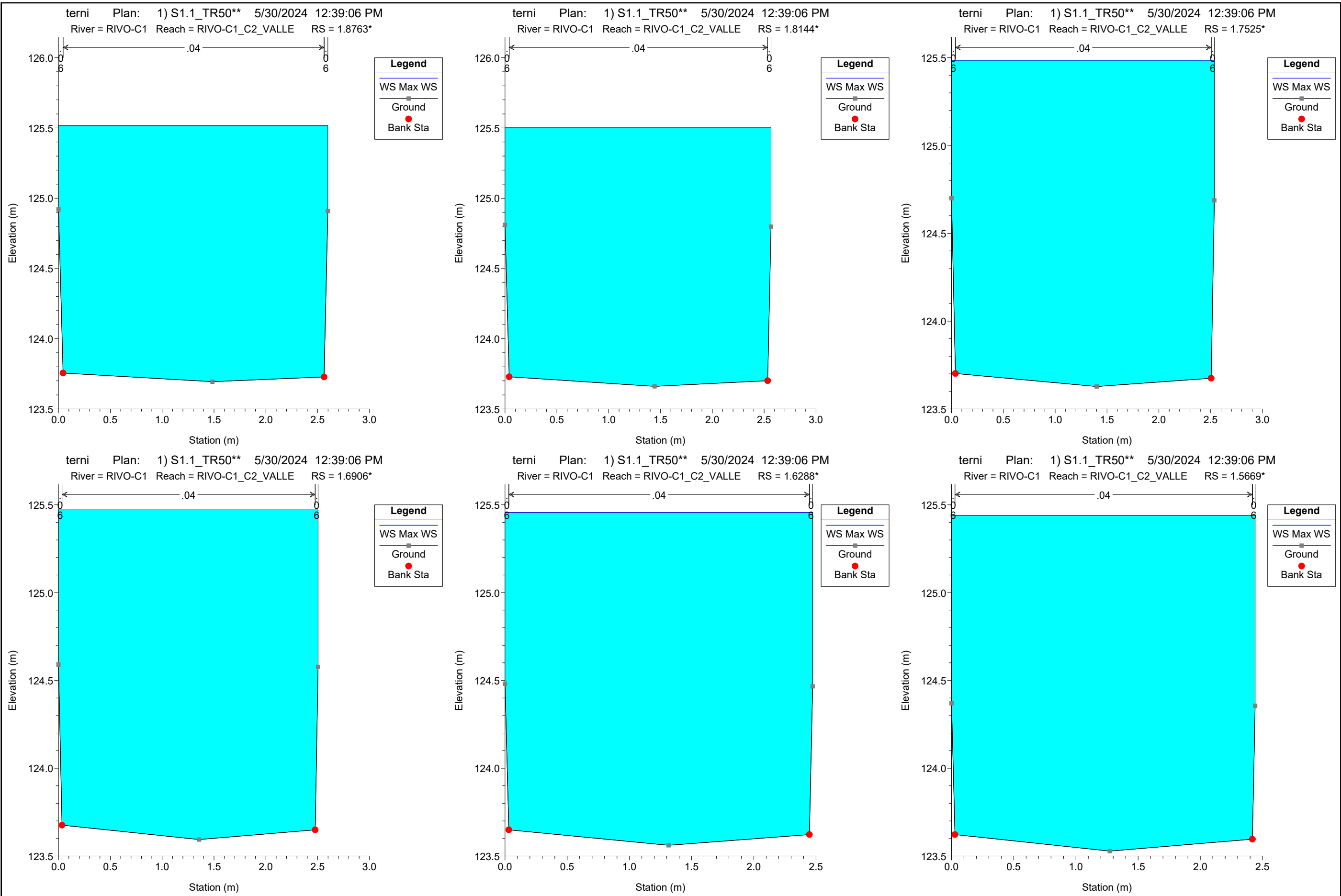


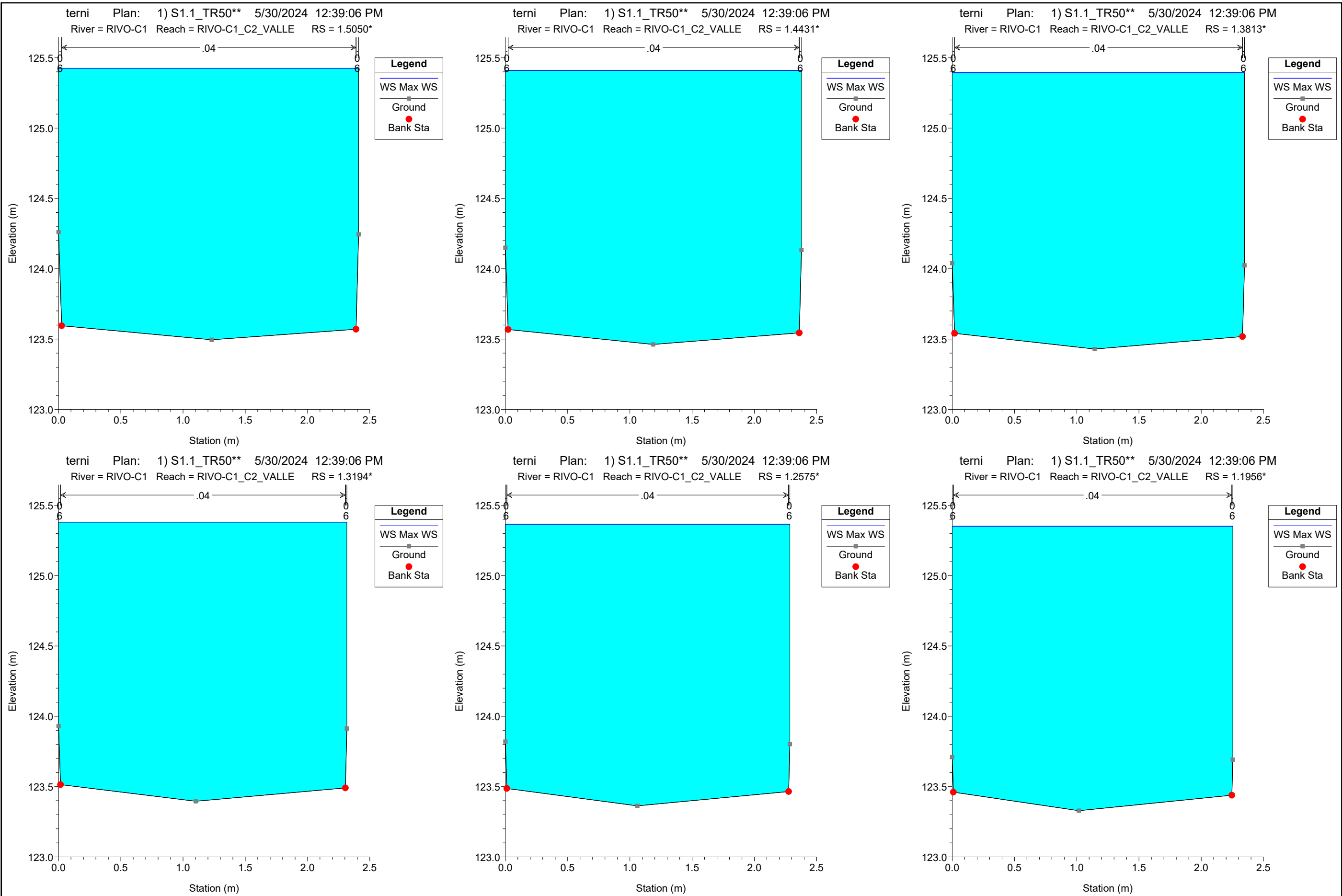


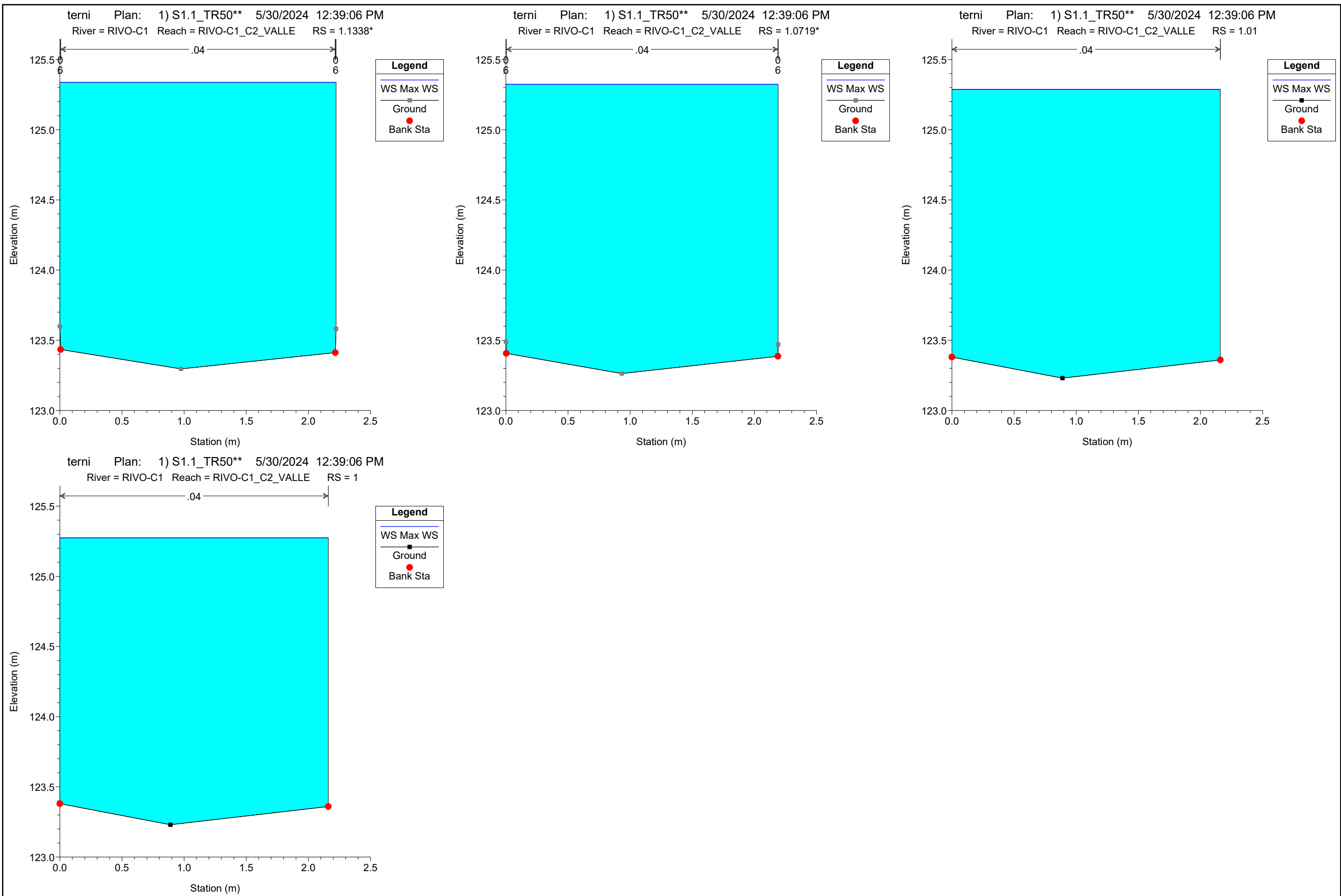












HEC-RAS Plan: S1 TR50** Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.58	128.16	129.53	129.51	130.06	0.013428	3.41	3.93	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.46	129.44	129.99	0.013311	3.40	3.94	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013164	3.39	3.95	3.95	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012963	3.38	3.96	3.93	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.57	127.90	129.28	129.24	129.80	0.012769	3.37	3.98	3.91	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.56	127.83	129.22	129.17	129.73	0.012549	3.35	3.99	3.89	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.57	127.77	129.16	129.10	129.67	0.012321	3.34	4.01	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.57	127.70	129.10	129.03	129.61	0.012061	3.32	4.03	3.82	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.57	127.63	129.04	128.97	129.54	0.011745	3.30	4.06	3.79	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.57	127.57	128.99	128.90	129.48	0.011434	3.28	4.08	3.75	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.56	127.50	128.93		129.42	0.011088	3.25	4.11	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.57	127.44	128.88		129.36	0.010701	3.22	4.15	3.68	0.87
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.57	127.37	128.83		129.30	0.010293	3.19	4.19	3.63	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.56	127.30	128.79		129.25	0.009854	3.15	4.23	3.59	0.84
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.57	127.24	128.74		129.19	0.009388	3.11	4.29	3.54	0.82
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.57	127.17	128.70		129.14	0.008896	3.07	4.34	3.50	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.56	127.10	128.66		129.09	0.008392	3.02	4.40	3.45	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.56	127.04	128.63		129.04	0.007895	2.98	4.46	3.39	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.57	126.97	128.60		129.00	0.007400	2.93	4.53	3.33	0.74
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.57	126.91	128.57		128.96	0.006910	2.88	4.60	3.25	0.72
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.57	126.84	128.54		128.92	0.006439	2.82	4.67	3.16	0.70
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.57	126.78	128.52		128.89	0.006004	2.77	4.73	3.07	0.68
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.58	126.71	128.50		128.85	0.005592	2.72	4.78	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.58	126.66	128.46		128.88	0.006476	2.94	4.38	2.75	0.71
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.58	126.61	128.42		128.92	0.007581	3.20	3.98	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.58	126.55	128.40		128.99	0.008801	3.47	3.62	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.58	126.50	128.39		129.09	0.009989	3.74	3.31	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.58	126.45	128.34		129.02	0.010015	3.70	3.33	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.58	126.39	128.29		128.96	0.010116	3.65	3.36	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.59	126.34	128.24		128.89	0.010215	3.61	3.38	2.06	0.85
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.59	126.28	128.19		128.83	0.010340	3.56	3.40	2.07	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.59	126.23	128.14		128.76	0.010451	3.52	3.43	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.59	126.17	128.09		128.70	0.010542	3.48	3.45	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.59	126.12	128.04		128.63	0.010661	3.45	3.47	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.60	126.07	127.99		128.57	0.010730	3.41	3.50	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.60	126.01	127.94		128.51	0.010829	3.37	3.52	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.60	125.96	127.89		128.45	0.010897	3.34	3.54	2.10	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.60	125.90	127.84		128.38	0.010970	3.30	3.56	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.61	125.85	127.78		128.32	0.011055	3.27	3.58	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.60	125.79	127.73		128.26	0.011084	3.24	3.60	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.61	125.74	127.68		128.20	0.011169	3.21	3.62	2.12	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.61	125.68	127.63		128.13	0.011219	3.18	3.64	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.61	125.63	127.57		128.07	0.011276	3.15	3.66	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.61	125.57	127.52		128.01	0.011333	3.13	3.68	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.62	125.52	127.47		127.95	0.011357	3.10	3.70	2.14	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.62	125.47	127.41		127.89	0.011427	3.07	3.72	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.62	125.41	127.36		127.83	0.011474	3.05	3.74	2.15	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.62	125.36	127.30		127.76	0.011506	3.02	3.75	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.62	125.30	127.25		127.70	0.011563	3.00	3.77	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.62	125.25	127.19		127.64	0.011582	2.97	3.79	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.63	125.19	127.14		127.58	0.011636	2.95	3.81	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.63	125.14	127.08		127.52	0.011668	2.93	3.82	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.63	125.09	127.03		127.46	0.011713	2.91	3.84	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.63	125.03	126.97		127.40	0.011781	2.89	3.86	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.63	124.98	126.92		127.33	0.011800	2.87	3.87	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.63	124.92	126.86		127.27	0.011856	2.85	3.89	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.64	124.87	126.80		127.21	0.011905	2.83	3.90	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.64	124.81	126.75		127.15	0.011947	2.82	3.92	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.64	124.76	126.69		127.09	0.012017	2.80	3.93	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.64	124.71	126.63		127.02	0.012067	2.78	3.94	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.64	124.65	126.57		126.96	0.012162	2.77	3.95	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.64	124.60	126.51		126.90	0.012224	2.76	3.97	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.64	124.54	126.45		126.84	0.012307	2.74	3.98	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.65	124.49	126.39		126.77	0.012422	2.73	3.98	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.65	124.43	126.33		126.71	0.012511	2.72	3.99	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.65	124.38	126.27		126.65	0.012651	2.71	4.00	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.65	124.32	126.21		126.58	0.012802	2.70	4.00	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.65	124.27	126.15		126.52	0.012973	2.70	4.00	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	10.65	124.22	126.08		126.45	0.013191	2.69	4.00	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	10.65	124.16	126.02		126.39	0.013415	2.69	4.00	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	10.65	124.11	125.95		126.32	0.013712	2.69	3.99	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	10.65	124.05	125.88		126.25	0.014056	2.70	3.98	2.27	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	10.65	124.00	125.81		126.18	0.014493	2.71	3.96	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	10.65	123.94	125.73		126.11	0.015044	2.72	3.93	2.28	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	10.65	123.89	125.65		126.03	0.015713	2.74	3.90	2.28	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	9.46	123.83	125.57		125.88	0.012929	2.45	3.86	2.29	0.60
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	9.41	123.78	125.50		125.80	0.016003	2.45	3.84	2.29	0.60
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	9.40	123.76	125.54		125.76	0.003239	2.07	4.62	2.66	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	9.40	123.73	125.52		125.75	0.003219	2.08	4.61	2.63	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	9.40	123.69	125.51		125.73	0.003196	2.08	4.60	2.60	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	9.39	123.66	125.49		125.72	0.003170	2.09	4.59	2.57	0.50
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	9.11	123.63	125.48		125.69	0.002971	2.03	4.58	2.54	0.48
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	9.10	123.59	125.46		125.67	0.002942	2.03	4.56	2.50	0.48
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	9.09	123.56	125.45		125.66	0.002912	2.03	4.55	2.47	0.48
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	9.08	123.53	125.44		125.65	0.002886	2.03	4.54	2.44	0.48
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	9.06	123.49	125.42		125.63	0.002858	2.03	4.52	2.41	0.47
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	9.03	123.46	125.41		125.62	0.002827	2.03	4.50	2.38	0.47
RIVO-C1	RIVO-C1_C2_VALLE	1.3813*	Max WS	8.92	123.43	125.39		125.60	0.002747	2.01	4.48	2.3	

HEC-RAS Plan: S1_TR50** Profile: Max WS (Continued)

IEC-RAS Plan: S1_TR50** Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	13.92	159.20	160.63	160.98	161.50	0.028473	4.89	4.79	7.62	1.36
RIVO	RIVO	85.200*	Max WS	13.92	159.03	160.49	160.84	161.30	0.027126	4.77	4.91	7.49	1.31
RIVO	RIVO	85.100*	Max WS	13.92	158.87	160.36	160.53	161.10	0.025504	4.61	5.09	7.50	1.24
RIVO	RIVO	85	Max WS	13.92	158.71	160.24	160.43	160.90	0.023468	4.40	5.33	7.54	1.16
RIVO	RIVO	84.909*	Max WS	13.92	158.60	160.13	160.28	160.81	0.023494	4.45	5.29	7.41	1.17
RIVO	RIVO	84.818*	Max WS	13.91	158.49	160.02	160.28	160.71	0.023559	4.52	5.24	7.28	1.19
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	13.91	158.38	159.91	160.17	160.63	0.023887	4.60	5.19	7.28	1.21
RIVO	RIVO	84.636*	Max WS	13.91	158.26	159.79	160.07	160.55	0.024640	4.73	5.15	7.54	1.24
RIVO	RIVO	84.545*	Max WS	13.91	158.15	159.68	160.00	160.46	0.025064	4.82	5.10	7.55	1.26
RIVO	RIVO	84.455*	Max WS	13.91	158.04	159.56	159.88	160.37	0.025456	4.90	5.05	7.43	1.28
RIVO	RIVO	84.364*	Max WS	13.90	157.93	159.44	159.76	160.27	0.025831	4.98	4.98	7.20	1.30
RIVO	RIVO	84.273*	Max WS	13.90	157.82	159.31	159.64	160.16	0.026272	5.06	4.90	6.87	1.33
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	13.90	157.70	159.19	159.52	160.05	0.026559	5.13	4.80	6.40	1.35
RIVO	RIVO	84.091*	Max WS	13.90	157.59	159.06	159.40	159.91	0.025999	5.12	4.70	5.58	1.35
RIVO	RIVO	84	Max WS	13.90	157.48	158.94	159.29	159.81	0.026866	5.24	4.60	5.33	1.39
RIVO	RIVO	83.917*	Max WS	13.90	157.36	158.80	159.16	159.68	0.026827	5.22	4.60	5.37	1.39
RIVO	RIVO	83.833*	Max WS	13.89	157.23	158.67	159.03	159.55	0.026765	5.20	4.59	5.38	1.39
RIVO	RIVO	83.750*	Max WS	13.89	157.11	158.54	158.90	159.42	0.026661	5.17	4.59	5.38	1.38
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	13.89	156.99	158.41	158.77	159.29	0.026591	5.14	4.58	5.40	1.38
RIVO	RIVO	83.583*	Max WS	13.89	156.86	158.28	158.64	159.15	0.026546	5.12	4.58	5.41	1.38
RIVO	RIVO	83.500*	Max WS	13.89	156.74	158.15	158.50	159.02	0.026653	5.10	4.56	5.41	1.38
RIVO	RIVO	83.417*	Max WS	13.89	156.62	158.02	158.37	158.89	0.026803	5.09	4.54	5.41	1.38
RIVO	RIVO	83.333*	Max WS	13.89	156.49	157.88	158.22	158.76	0.026900	5.07	4.53	5.39	1.38
RIVO	RIVO	83.250*	Max WS	13.89	156.37	157.75	158.02	158.63	0.027125	5.06	4.51	5.38	1.38
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	13.89	156.25	157.62	157.92	158.50	0.027524	5.06	4.48	5.38	1.39
RIVO	RIVO	83.083*	Max WS	13.89	156.12	157.48	157.82	158.38	0.028225	5.08	4.43	5.36	1.41
RIVO	RIVO	83	Max WS	13.89	156.00	157.34	157.69	158.26	0.029337	5.12	4.36	5.34	1.43
RIVO	RIVO	82.889*	Max WS	13.89	155.89	157.21	157.50	158.03	0.027069	4.65	4.47	5.75	1.34
RIVO	RIVO	82.778*	Max WS	13.89	155.78	157.09	157.36	157.83	0.025451	4.30	4.57	6.20	1.27
RIVO	RIVO	82.667*	Max WS	13.88	155.67	156.98	157.19	157.66	0.024423	4.04	4.68	7.83	1.22
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	13.88	155.56	156.86	157.05	157.54	0.024830	3.92	4.80	9.75	1.21
RIVO	RIVO	82.444*	Max WS	13.88	155.44	156.75	156.90	157.38	0.024099	3.71	4.91	10.13	1.17
RIVO	RIVO	82.333*	Max WS	13.88	155.33	156.64	156.86	157.23	0.024058	3.57	4.97	10.56	1.15
RIVO	RIVO	82.222*	Max WS	13.88	155.22	156.53	156.74	157.10	0.024779	3.48	4.97	11.08	1.15
RIVO	RIVO	82.111*	Max WS	13.88	155.11	156.41	156.61	156.99	0.026711	3.45	4.87	11.80	1.18
RIVO	RIVO	82.1		Lat Struct									
RIVO	RIVO	82	Max WS	13.49	155.00	156.29	156.47	156.86	0.029179	3.41	4.63	13.28	1.21
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.900*	Max WS	13.45	154.86	156.15	156.32	156.70	0.027198	3.41	4.85	12.35	1.18
RIVO	RIVO	81.800*	Max WS	13.45	154.73	156.02	156.18	156.54	0.024445	3.38	5.12	11.59	1.13
RIVO	RIVO	81.700*	Max WS	13.44	154.59	155.90	156.04	156.38	0.021001	3.29	5.46	10.89	1.07
RIVO	RIVO	81.69		Lat Struct									
RIVO	RIVO	81.600*	Max WS	13.44	154.46	155.81	155.90	156.24	0.017390	3.18	5.85	10.22	0.99
RIVO	RIVO	81.500*	Max WS	13.44	154.32	155.75	155.41	155.93	0.004645	1.94	8.38	9.50	0.55
RIVO	RIVO	81.49		Ini Struct									
RIVO	RIVO	81.400*	Max WS	13.44	154.18	155.53	155.65	156.03	0.019303	3.56	5.40	8.23	1.07
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	13.44	154.05	155.43	155.54	155.95	0.018204	3.66	5.41	7.42	1.06
RIVO	RIVO	81.200*	Max WS	13.44	153.91	155.34	155.44	155.90	0.018324	3.89	5.27	6.57	1.09
RIVO	RIVO	81.100*	Max WS	13.44	153.78	155.25	155.38	155.90	0.020495	4.34	4.93	5.67	1.18
RIVO	RIVO	81	Max WS	13.44	153.64	155.13	155.35	156.04	0.027483	5.27	4.33	4.71	1.40
RIVO	RIVO	80.923*	Max WS	13.44	153.53	155.00	155.21	155.85	0.026469	5.11	4.48	5.15	1.37
RIVO	RIVO	80.846*	Max WS	13.44	153.42	154.87	155.08	155.68	0.025703	4.98	4.63	5.59	1.34
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	13.44	153.31	154.75	154.96	155.53	0.025060	4.87	4.76	6.03	1.32
RIVO	RIVO	80.692*	Max WS	13.44	153.20	154.63	154.83	155.38	0.024574	4.79	4.87	6.46	1.30
RIVO	RIVO	80.615*	Max WS	13.44	153.09	154.51	154.72	155.24	0.024193	4.71	4.98	6.90	1.29
RIVO	RIVO	80.538*	Max WS	13.44	152.98	154.40	154.60	155.12	0.023916	4.65	5.07	7.33	1.28
RIVO	RIVO	80.462*	Max WS	13.44	152.87	154.29	154.49	154.99	0.023713	4.60	5.15	7.77	1.27
RIVO	RIVO	80.385*	Max WS	13.44	152.76	154.17	154.38	154.88	0.023704	4.57	5.21	8.20	1.26
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	13.44	152.65	154.06	154.27	154.77	0.023899	4.56	5.24	8.64	1.27
RIVO	RIVO	80.231*	Max WS	13.44	152.54	153.94	154.16	154.67	0.024409	4.57	5.24	9.07	1.27
RIVO	RIVO	80.154*	Max WS	13.44	152.43	153.82	154.05	154.58	0.025513	4.62	5.18	9.51	1.30
RIVO	RIVO	80.077*	Max WS	13.43	152.32	153.69	153.95	154.52	0.027903	4.76	5.00	9.94	1.35
RIVO	RIVO	80	Max WS	13.43	152.21	153.56	153.81	154.39	0.029067	4.77	4.63	7.72	1.37
RIVO	RIVO	79.875*	Max WS	13.41	152.06	153.43	153.70	154.31	0.028554	4.84	4.86	9.93	1.37
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	13.38	151.91	153.31	153.56	154.10	0.024731	4.63	5.08	9.49	1.29
RIVO	RIVO	79.625*	Max WS	13.30	151.76	153.21	153.41	153.88	0.019996	4.31	5.44	9.04	1.17
RIVO	RIVO	79.500*	Max WS	13.21	151.61	153.13	153.26	153.68	0.015363	3.95	5.92	8.59	1.04
RIVO	RIVO	79.375*	Max WS	13.15	151.46	153.08	152.70	153.51	0.011514	3.59	6.49	8.14	0.92
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	13.04	151.31	153.05		153.39	0.008060	3.19	7.26	7.69	0.78
RIVO	RIVO	79.125*	Max WS	12.98	151.16	153.06		153.32	0.005673	2.85	8.09	7.25	0.67
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	12.96	151.01	153.06		153.28	0.004286	2.63	8.78	6.80	0.59
RIVO	RIVO	78.500*	Max WS	13.08	150.90	153.10		153.24	0.002605	2.11	10.57	7.21	0.46
RIVO	RIVO	78	Max WS	13.19	150.76	153.12		153.22	0.001778	1.76	12.28	7.63	0.38
RIVO	RIVO	77.500*	Max WS	13.19	150.73	153.12		153.22	0.001828	1.86	13.88	11.20	0.39
RIVO	RIVO	77	Max WS	13.15	150.69	153.12		153.21	0.001941	1.99	15.29	14.77	0.41
RIVO	RIVO	76.750*	Max WS	13.11	150.72	153.11		153.20	0.001952	1.97	14.94	13.39	0.41
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	13.14	150.74	153.11		153.19	0.002024	1.99	14.42	12.00	0.41
RIVO	RIVO	76.250*	Max WS	13.27	150.77	153.09		153.19	0.002199	2.05	13.70	10.62	0.43
RIVO	RIVO	76.05		Lat Struct									
RIVO	RIVO	76	Max WS	13.26	150.80	153.08		153.18	0.002403	2.11	12.84	9.24	0.45
RIVO	RIVO	75.750*	Max										

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO	75	Max WS	13.21	150.20	153.06		153.14	0.000998	1.57	15.02	7.28	0.30
RIVO	RIVO	74.669	Lat Struct										
RIVO	RIVO	74.668	Lat Struct										
RIVO	RIVO	74.667*	Max WS	13.35	150.12	153.07		153.13	0.000796	1.43	16.55	7.70	0.27
RIVO	RIVO	74.333*	Max WS	13.34	150.05	153.07		153.12	0.000629	1.30	18.16	8.11	0.24
RIVO	RIVO	74	Max WS	13.16	149.97	153.08	151.36	153.12	0.000490	1.17	19.83	8.53	0.21
RIVO	RIVO	73.50 Strada Vicinale	Bridge										
RIVO	RIVO	73	Max WS	13.15	149.54	150.71		151.02	0.008255	2.49	5.30	4.64	0.74
RIVO	RIVO	72.63	Lat Struct										
RIVO	RIVO	72.5	Lat Struct										
RIVO	RIVO	72	Max WS	13.15	149.54	150.67	150.50	151.01	0.009077	2.56	5.16	4.66	0.77
RIVO	RIVO	71.50 Strada Vicinale	Bridge										
RIVO	RIVO	71	Max WS	13.14	149.21	150.62		150.91	0.007019	2.38	5.58	4.62	0.69
RIVO	RIVO	70.6	Lat Struct										
RIVO	RIVO	70.5	Lat Struct										
RIVO	RIVO	70	Max WS	13.14	149.00	150.58		150.97	0.009675	3.00	5.74	5.70	0.82
RIVO	RIVO	69.936	Lat Struct										
RIVO	RIVO	69.834	Lat Struct										
RIVO	RIVO	69.833*	Max WS	13.14	148.95	150.59		150.79	0.004155	2.07	7.61	6.45	0.55
RIVO	RIVO	69.667*	Max WS	13.14	148.90	150.64		150.75	0.001916	1.49	9.98	7.26	0.38
RIVO	RIVO	69.500*	Max WS	13.14	148.85	150.67		150.74	0.001027	1.15	12.48	8.05	0.28
RIVO	RIVO	69.333*	Max WS	13.14	148.80	150.69		150.73	0.000606	0.92	15.12	8.84	0.22
RIVO	RIVO	69	Max WS	13.14	148.68	150.71	149.24	150.73	0.000249	0.63	20.86	10.44	0.14
RIVO	RIVO	68.50 Strada Vicinale	Bridge										
RIVO	RIVO	68	Max WS	13.14	148.30	150.55		150.58	0.000370	0.82	17.25	8.44	0.18
RIVO	RIVO	67.6	Lat Struct										
RIVO	RIVO	67.5	Lat Struct										
RIVO	RIVO	67	Max WS	13.14	147.90	150.41	149.31	150.61	0.001925	2.00	6.98	10.36	0.41
RIVO	RIVO	66.50 Ferrovia	Bridge										
RIVO	RIVO	66	Max WS	13.14	147.32	148.46	148.87	149.84	0.043415	5.20	2.52	3.80	1.66
RIVO	RIVO	65.931	Lat Struct										
RIVO	RIVO	65.930	Lat Struct										
RIVO	RIVO	65.929*	Max WS	13.14	147.19	148.29	148.52	149.21	0.030492	4.31	3.37	3.84	1.39
RIVO	RIVO	65.857*	Max WS	13.14	147.06	148.15	148.38	149.05	0.030285	4.29	3.40	3.89	1.38
RIVO	RIVO	65.786*	Max WS	13.14	146.93	148.01	148.23	148.90	0.029887	4.26	3.43	3.95	1.37
RIVO	RIVO	65.714*	Max WS	13.14	146.79	147.87	148.09	148.75	0.029366	4.23	3.47	4.00	1.36
RIVO	RIVO	65.643*	Max WS	13.14	146.66	147.73	147.94	148.59	0.028492	4.19	3.52	4.06	1.34
RIVO	RIVO	65.571*	Max WS	13.14	146.53	147.60	147.80	148.43	0.027131	4.12	3.60	4.13	1.31
RIVO	RIVO	65.506	Lat Struct										
RIVO	RIVO	65.501	Lat Struct										
RIVO	RIVO	65.500*	Max WS	13.14	146.40	147.48	147.65	148.26	0.025183	4.02	3.71	4.20	1.27
RIVO	RIVO	65.429*	Max WS	13.14	146.27	147.36	147.51	148.09	0.022635	3.88	3.86	4.28	1.21
RIVO	RIVO	65.357*	Max WS	13.14	146.14	147.27	147.37	147.93	0.019544	3.70	4.07	4.39	1.13
RIVO	RIVO	65.286*	Max WS	13.14	146.01	147.18	147.22	147.77	0.016192	3.49	4.36	4.51	1.04
RIVO	RIVO	65.214*	Max WS	13.14	145.87	147.11	147.08	147.62	0.012970	3.25	4.73	4.66	0.94
RIVO	RIVO	65.143*	Max WS	13.14	145.74	147.06		147.49	0.010099	3.00	5.18	4.83	0.84
RIVO	RIVO	65.076	Lat Struct										
RIVO	RIVO	65.075	Lat Struct										
RIVO	RIVO	65.071*	Max WS	13.14	145.60	147.02		147.38	0.007646	2.75	5.73	5.03	0.74
RIVO	RIVO	65	Max WS	13.14	145.46	147.02	146.63	147.31	0.005538	2.49	6.11	5.65	0.64
RIVO	RIVO	64.50 Passerella Pedon	Bridge										
RIVO	RIVO	64	Max WS	13.14	145.29	146.41	146.54	147.15	0.021005	3.86	3.74	3.78	1.18
RIVO	RIVO	63.940	Lat Struct										
RIVO	RIVO	63.939	Lat Struct										
RIVO	RIVO	63.938*	Max WS	13.14	145.19	146.31	146.43	147.05	0.020953	3.86	3.75	3.79	1.17
RIVO	RIVO	63.875*	Max WS	13.14	145.09	146.21	146.33	146.94	0.020943	3.86	3.75	3.80	1.17
RIVO	RIVO	63.813*	Max WS	13.14	144.99	146.11	146.23	146.84	0.020920	3.86	3.76	3.82	1.17
RIVO	RIVO	63.750*	Max WS	13.14	144.89	146.00	146.13	146.74	0.020889	3.85	3.77	3.83	1.17
RIVO	RIVO	63.688*	Max WS	13.14	144.79	145.90	146.03	146.64	0.020844	3.85	3.77	3.84	1.17
RIVO	RIVO	63.625*	Max WS	13.14	144.69	145.81	145.93	146.54	0.020783	3.85	3.78	3.85	1.17
RIVO	RIVO	63.566	Lat Struct										
RIVO	RIVO	63.565	Lat Struct										
RIVO	RIVO	63.563*	Max WS	13.14	144.59	145.71	145.83	146.44	0.020754	3.85	3.79	3.87	1.17
RIVO	RIVO	63.500*	Max WS	13.14	144.50	145.61	145.73	146.34	0.020703	3.85	3.80	3.88	1.17
RIVO	RIVO	63.438*	Max WS	13.14	144.40	145.51	145.63	146.24	0.020661	3.84	3.81	3.89	1.17
RIVO	RIVO	63.375*	Max WS	13.14	144.30	145.41	145.53	146.14	0.020591	3.84	3.82	3.91	1.17
RIVO	RIVO	63.313*	Max WS	13.14	144.20	145.31	145.43	146.04	0.020523	3.84	3.83	3.92	1.16
RIVO	RIVO	63.250*	Max WS	13.14	144.10	145.21	145.33	145.93	0.020425	3.83	3.84	3.94	1.16
RIVO	RIVO	63.190	Lat Struct										
RIVO	RIVO	63.189	Lat Struct										
RIVO	RIVO	63.188*	Max WS	13.14	144.00	145.11	145.23	145.83	0.020300	3.82	3.85	3.95	1.16
RIVO	RIVO	63.125*	Max WS	13.14	143.90	145.02	145.13	145.73	0.020202	3.82	3.87	3.97	1.16
RIVO	RIVO	63.063*	Max WS	13.14	143.80	144.92	145.03	145.63	0.020011	3.81	3.89	3.99	1.15
RIVO	RIVO	63	Max WS	13.14	143.70	144.82	144.94	145.53	0.019813	3.79	3.91	4.00	1.15
RIVO	RIVO	62.952*	Max WS	13.14	143.59	144.73	144.83	145.43	0.019299	3.78	3.97	4.07	1.13
RIVO	RIVO	62.905*	Max WS	13.14	143.48	144.64	144.74	145.32	0.018674	3.76	4.04	4.15	1.12
RIVO	RIVO	62.859	Lat Struct										
RIVO	RIVO	62.858	Lat Struct										
RIVO	RIVO	62.857*	Max WS	13.14	143.37	144.55	144.64	145.22	0.017895	3.72	4.13	4.23	1.10
RIVO	RIVO	62.810*	Max WS	13.14	143.27	144.47	144.54	145.11	0.016999	3.68	4.23	4.31	1.07
RIVO	RIVO	62.762*	Max WS	13.14	143.16	144.39	144.44	145.01	0.015918	3.62	4.36	4.40	1.04
RIVO	RIVO	62.714*	Max WS	13.14	143.05	144.32	144.34	144.90	0.014730	3.54	4.52	4.51	1.01
RIVO	RIVO	62.667*	Max WS	13.14	142.94	144.25	144.24	144.80	0.013426	3.45	4.70	4.63	0.97
RIVO	RIVO	62.619*	Max WS	13.14	142.83	144.19	144.14	144.70	0.012077	3.35	4.93	4.76	0.92
RIVO	RIVO	62.573	Lat Struct										
RIVO	RIVO	62.572	Lat Struct										
RIVO	RIVO	62.571*	Max WS	13.14	142.72	144.13	144.04	144.61	0.010714	3.24	5.19	4.91	0.87
RIVO	RIVO	62.524*	Max WS	13.14	142.61	144.09		144.52	0.009364	3.12	5.50	5.08	0.82
RIVO	RIVO	62.476*	Max WS	13.13	142.51	144.05		144.45	0.008076	2.99	5.90	5.70	0.77
RIVO	RIVO	62.429*	Max WS	13.13	142.40	144.03		144.38	0.006675	2.82	6.43	6.14	0.71
RIVO	RIVO	62.381*	Max WS	13.13	142.29	144.02		144.32	0.005500	2.66	7.04	6.66	0.65
RIVO	RIVO	62.333*	Max WS	13.13	142.18	144.01		144.29	0.004926	2.61	7.80	10.44	0.62
RIVO	RIVO	62.288	Lat Struct										
RIVO	RIVO	62.287	Lat Struct										
RIVO	RIVO	62.286*	Max WS	13.13	142.07	144.01		144.24	0.003879	2.40	9.00	11.97	0.55
RIVO	RIVO	62.238*	Max WS	13.12	141.96	144.02		144.20	0.003014	2.20	10.25	12.23	0.49
RIVO	RIVO	62.190*	Max WS	13.08	141.85	144.03		144.17	0.002339	2.01	11.72	13.33	0.44
RIVO	RIVO	62.143*	Max WS	12.99	141.75	144.04		144.15	0.001760	1.81	12.94	12.06	0.38
RIVO	RIVO	62.095*	Max WS	12.82	141.64	144.04		144.14	0.001389	1.66	13.75	10.79	0.34
RIVO	RIVO	62.048*	Max WS	12.65	141.53	144.05		144.13	0.001162	1.56	14.17	9.53	0.32
RIVO	RIVO	62.03	Lat Struct										
RIVO	RIVO	62.02	Lat Struct										
RIVO	RIVO	62	Max WS	12.51	141.42	144.05		144.12	0.001027	1.51	14.21	8.26	0.30
RIVO	RIVO	61.667*	Max WS	12.19	141.27	144.05		144.12	0.000897	1.46	14.59	7.80	0.28
RIVO	RIVO	61.333*	Max WS	11.83	141.11	144.05		144.12	0.000806	1.43	14.80	7.34	0.27

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO	61	Max WS	11.37	140.94	144.06	142.53	144.11	0.000737	1.40	14.85	6.88	0.26
RIVO	RIVO	60.50	Via dei Colombi	Bridge									
RIVO	RIVO	60	Max WS	11.35	140.99	142.43		142.96	0.010351	3.23	3.59	2.91	0.86
RIVO	RIVO	59.670		Lat Struct									
RIVO	RIVO	59.668		Lat Struct									
RIVO	RIVO	59.667*	Max WS	11.35	140.87	142.39		142.84	0.008408	3.01	4.19	2.90	0.78
RIVO	RIVO	59.333*	Max WS	11.37	140.74	142.37		142.78	0.007030	2.86	4.42	2.90	0.72
RIVO	RIVO	59	Max WS	11.40	140.62	142.37		142.73	0.005914	2.72	4.71	2.90	0.67
RIVO	RIVO	58.833*	Max WS	11.40	140.53	142.36		142.69	0.004933	2.58	5.03	3.38	0.62
RIVO	RIVO	58.667*	Max WS	11.42	140.43	142.36		142.65	0.004021	2.42	5.64	4.53	0.56
RIVO	RIVO	58.500*	Max WS	11.45	140.34	142.38		142.62	0.003173	2.24	6.46	4.82	0.50
RIVO	RIVO	58.335		Lat Struct									
RIVO	RIVO	58.334		Lat Struct									
RIVO	RIVO	58.333*	Max WS	11.43	140.25	142.40		142.59	0.002431	2.04	7.40	4.97	0.45
RIVO	RIVO	58.167*	Max WS	11.49	140.14	142.41		142.57	0.001898	1.87	8.40	5.11	0.40
RIVO	RIVO	58	Max WS	11.46	140.02	142.34	141.40	142.57	0.002385	2.12	5.73	5.25	0.45
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	11.45	139.79	141.29	141.39	142.14	0.016702	4.10	3.07	2.36	1.09
RIVO	RIVO	56.805		Lat Struct									
RIVO	RIVO	56.802		Lat Struct									
RIVO	RIVO	56.800*	Max WS	11.48	139.74	141.22	141.31	142.05	0.016525	4.06	3.09	2.38	1.08
RIVO	RIVO	56.600*	Max WS	11.48	139.69	141.15	141.22	141.97	0.016237	4.02	3.11	2.40	1.08
RIVO	RIVO	56.400*	Max WS	11.48	139.64	141.08	141.14	141.88	0.015928	3.97	3.13	2.42	1.07
RIVO	RIVO	56.200*	Max WS	11.47	139.59	141.02	141.07	141.79	0.015608	3.92	3.16	2.44	1.06
RIVO	RIVO	56	Max WS	11.47	139.54	140.95	140.99	141.70	0.015275	3.87	3.19	2.46	1.04
RIVO	RIVO	55.909*	Max WS	11.47	139.44	140.88	140.90	141.62	0.014470	3.82	3.24	2.45	1.02
RIVO	RIVO	55.820		Lat Struct									
RIVO	RIVO	55.819		Lat Struct									
RIVO	RIVO	55.818*	Max WS	11.47	139.33	140.81	140.80	141.53	0.013598	3.77	3.29	2.43	0.99
RIVO	RIVO	55.727*	Max WS	11.45	139.22	140.75	140.71	141.44	0.012650	3.71	3.36	2.42	0.96
RIVO	RIVO	55.636*	Max WS	11.45	139.12	140.69	140.62	141.36	0.011731	3.64	3.43	2.41	0.93
RIVO	RIVO	55.545*	Max WS	11.45	139.01	140.64		141.28	0.010821	3.58	3.52	2.41	0.90
RIVO	RIVO	55.455*	Max WS	11.44	138.91	140.59		141.20	0.009905	3.50	3.61	2.40	0.87
RIVO	RIVO	55.364*	Max WS	11.43	138.80	140.54		141.13	0.009046	3.42	3.71	2.40	0.83
RIVO	RIVO	55.276		Lat Struct									
RIVO	RIVO	55.274		Lat Struct									
RIVO	RIVO	55.273*	Max WS	11.43	138.70	140.50		141.06	0.008217	3.35	3.83	2.39	0.80
RIVO	RIVO	55.182*	Max WS	11.42	138.59	140.47		141.00	0.007368	3.25	3.96	2.42	0.76
RIVO	RIVO	55.091*	Max WS	11.40	138.49	140.45		140.94	0.006544	3.16	4.12	2.59	0.72
RIVO	RIVO	55	Max WS	11.36	138.38	140.43		140.89	0.005747	3.05	4.33	2.78	0.68
RIVO	RIVO	54.909*	Max WS	11.38	138.31	140.40		140.86	0.005549	3.03	4.35	2.75	0.67
RIVO	RIVO	54.818*	Max WS	11.40	138.25	140.38		140.83	0.005349	3.02	4.38	2.72	0.66
RIVO	RIVO	54.729		Lat Struct									
RIVO	RIVO	54.728		Lat Struct									
RIVO	RIVO	54.727*	Max WS	11.38	138.18	140.36		140.80	0.005107	2.99	4.41	2.68	0.65
RIVO	RIVO	54.636*	Max WS	11.28	138.12	140.34		140.77	0.004785	2.94	4.44	2.65	0.63
RIVO	RIVO	54.545*	Max WS	11.21	138.05	140.33		140.74	0.004500	2.89	4.48	2.62	0.61
RIVO	RIVO	54.455*	Max WS	11.18	137.99	140.31		140.72	0.004306	2.87	4.51	2.59	0.60
RIVO	RIVO	54.364*	Max WS	11.28	137.92	140.28		140.70	0.004250	2.88	4.52	2.56	0.60
RIVO	RIVO	54.273*	Max WS	11.25	137.86	140.27		140.68	0.004044	2.85	4.55	2.52	0.59
RIVO	RIVO	54.184		Lat Struct									
RIVO	RIVO	54.183		Lat Struct									
RIVO	RIVO	54.182*	Max WS	11.17	137.79	140.26		140.66	0.003783	2.80	4.60	2.49	0.57
RIVO	RIVO	54.091*	Max WS	11.22	137.73	140.24		140.64	0.003681	2.80	4.62	2.46	0.56
RIVO	RIVO	54	Max WS	11.64	137.66	140.18		140.62	0.004076	2.95	4.53	2.43	0.59
RIVO	RIVO	53.900*	Max WS	11.74	137.58	140.20		140.59	0.003478	2.79	4.77	2.45	0.55
RIVO	RIVO	53.800*	Max WS	11.85	137.50	140.22		140.57	0.002988	2.65	5.02	2.47	0.51
RIVO	RIVO	53.700*	Max WS	11.95	137.43	140.24		140.56	0.002577	2.52	5.28	2.50	0.48
RIVO	RIVO	53.600*	Max WS	12.03	137.35	140.25		140.54	0.002227	2.39	5.54	2.52	0.45
RIVO	RIVO	53.500*	Max WS	12.04	137.27	140.28		140.54	0.001896	2.26	5.83	2.54	0.42
RIVO	RIVO	53.400*	Max WS	11.93	137.19	140.30		140.53	0.001585	2.11	6.14	2.56	0.38
RIVO	RIVO	53.300*	Max WS	11.80	137.11	140.33		140.53	0.001325	1.97	6.46	2.58	0.35
RIVO	RIVO	53.200*	Max WS	11.64	137.04	140.36		140.53	0.001113	1.85	6.78	2.61	0.32
RIVO	RIVO	53.100*	Max WS	11.47	136.96	140.38		140.53	0.000937	1.73	7.10	2.63	0.30
RIVO	RIVO	53	Max WS	11.29	136.88	140.40	138.39	140.53	0.000791	1.62	7.42	2.65	0.28
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	11.29	136.37	137.76	137.96	138.73	0.023401	4.36	2.59	3.04	1.24
RIVO	RIVO	51.755		Lat Struct									
RIVO	RIVO	51.751		Lat Struct									
RIVO	RIVO	51.750*	Max WS	11.28	136.26	137.66	137.77	138.39	0.017994	3.85	3.35	3.39	1.09
RIVO	RIVO	51.500*	Max WS	11.28	136.15	137.58	137.70	138.31	0.017143	3.86	3.39	3.66	1.08
RIVO	RIVO	51.250*	Max WS	11.27	136.04	137.50	137.63	138.24	0.016450	3.88	3.36	3.67	1.06
RIVO	RIVO	51	Max WS	11.27	135.93	137.42	137.45	138.16	0.015683	3.89	3.32	3.39	1.05
RIVO	RIVO	50.800*	Max WS	11.27	135.82	137.36	137.37	137.99	0.012568	3.58	3.65	3.66	0.94
RIVO	RIVO	50.600*	Max WS	11.27	135.70	137.31	137.21	137.83	0.009882	3.27	4.05	3.98	0.84
RIVO	RIVO	50.403		Lat Struct									
RIVO	RIVO	50.402		Lat Struct									
RIVO	RIVO	50.400*	Max WS	11.27	135.59	137.27		137.70	0.007670	2.98	4.52	4.33	0.75
RIVO	RIVO	50.200*	Max WS	11.26	135.47	137.25		137.60	0.005844	2.70	5.08	4.72	0.66
RIVO	RIVO	50	Max WS	11.26	135.36	137.25	136.75	137.53	0.004229	2.40	5.86	5.22	0.56
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	11.26	135.23	136.84	136.85	137.42	0.012287	3.64	4.30	4.46	0.93
RIVO	RIVO	48.835		Lat Struct									
RIVO	RIVO	48.834		Lat Struct									
RIVO	RIVO	48.833*	Max WS	11.26	135.16	136.79	136.74	137.31	0.010556	3.43	4.52	4.55	0.87
RIVO	RIVO	48.667*	Max WS	11.26	135.09	136.75	136.62	137.21	0.008998	3.22	4.77	4.64	0.81
RIVO	RIVO	48.500*	Max WS	11.26	135.02	136.72		137.12	0.007438	2.99	5.10	4.77	0.74
RIVO	RIVO	48.333*	Max WS	11.26	134.96	136.72		137.05	0.005956	2.75	5.54	4.93	0.67
RIVO	RIVO	48.167*	Max WS	11.26	134.89	136.72		137.00	0.004721	2.52	6.03	5.11	0.60
RIVO	RIVO	48	Max WS	11.25	134.82	136.73		136.97	0.003746	2.31	6.56	5.28	0.54
RIVO	RIVO	47.835		Lat Struct									
RIVO	RIVO	47.834		Lat Struct									
RIVO	RIVO	47.833*	Max WS	11.25	134.82	136.71		136.95	0.003878	2.33	6.61	5.53	0.55
RIVO	RIVO	47.667*	Max WS	11.25	134.81	136.69		136.94	0.004060	2.37	6.61	5.78	0.56
RIVO	RIVO	47.500*	Max WS	11.25	134.81	136.67		136.92	0.004303	2.41	6.56	6.01	0.57
RIVO	RIVO	47.333*	Max WS	11.25	134.81	136.64		136.91	0.004624	2.47	6.47	6.20	0.59
RIVO	RIVO	47.167*	Max WS	11.25	134.80	136.61		136.89	0.005046	2.55	6.34	6.37	0.62
RIVO	RIVO	47	Max WS	11.25	134.80	136.58	136.30	136.88	0.005612	2.65	6.14	6.48	0.65
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	11.24	134.50	136.02	135.96	136.51	0.009926	3.29	4.57	4.86	0.85
RIVO	RIVO	45.755		Lat Struct									
RIVO	RIVO	45.752		Lat Struct									
RIVO	RIVO	45.750*	Max WS	11.24	133.98	135.98		136.32	0.005029	2.69	5.55	4.91	0.63
RIVO	RIVO	45.500*	Max WS	11.23	133.96	135.98		136.28	0.004436	2.57	5.90	5.06	0.59
RIVO	RIVO												

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO	45	Max WS	11.23	133.91	135.98		136.22	0.003360	2.31	6.77	5.39	0.52
RIVO	RIVO	44.966*	Max WS	11.23	133.88	135.98		136.21	0.003155	2.26	7.00	5.60	0.51
RIVO	RIVO	44.931*	Max WS	11.23	133.86	135.99		136.20	0.002977	2.22	7.22	5.80	0.49
RIVO	RIVO	44.897*	Max WS	11.23	133.83	135.99		136.20	0.002823	2.18	7.42	5.99	0.48
RIVO	RIVO	44.862*	Max WS	11.23	133.81	135.99		136.19	0.002683	2.15	7.61	6.17	0.47
RIVO	RIVO	44.828*	Max WS	11.23	133.78	136.00		136.19	0.002560	2.11	7.79	6.34	0.46
RIVO	RIVO	44.793*	Max WS	11.23	133.76	136.00		136.18	0.002445	2.08	7.96	6.50	0.45
RIVO	RIVO	44.759*	Max WS	11.23	133.73	136.00		136.18	0.002344	2.06	8.12	6.63	0.44
RIVO	RIVO	44.724*	Max WS	11.22	133.70	136.00		136.18	0.002250	2.03	8.27	6.75	0.43
RIVO	RIVO	44.690*	Max WS	11.22	133.68	136.00		136.17	0.002163	2.01	8.42	6.87	0.43
RIVO	RIVO	44.655*	Max WS	11.22	133.65	136.00		136.17	0.002082	1.98	8.56	6.98	0.42
RIVO	RIVO	44.623	Lat Struct										
RIVO	RIVO	44.622	Lat Struct										
RIVO	RIVO	44.621*	Max WS	11.22	133.63	136.00		136.17	0.002007	1.96	8.70	7.07	0.41
RIVO	RIVO	44.586*	Max WS	11.22	133.60	136.00		136.16	0.001936	1.94	8.83	7.15	0.40
RIVO	RIVO	44.552*	Max WS	11.22	133.57	136.00		136.16	0.001865	1.92	8.97	7.21	0.40
RIVO	RIVO	44.517*	Max WS	11.22	133.55	136.01		136.16	0.001802	1.90	9.10	7.25	0.39
RIVO	RIVO	44.502	Lat Struct										
RIVO	RIVO	44.483*	Max WS	11.22	133.52	136.01		136.15	0.001737	1.88	9.24	7.28	0.39
RIVO	RIVO	44.448*	Max WS	11.22	133.50	136.01		136.15	0.001675	1.86	9.38	7.29	0.38
RIVO	RIVO	44.414*	Max WS	11.22	133.47	136.01		136.15	0.001611	1.84	9.53	7.28	0.37
RIVO	RIVO	44.379*	Max WS	11.22	133.44	136.01		136.15	0.001550	1.81	9.69	7.25	0.37
RIVO	RIVO	44.345*	Max WS	11.22	133.42	136.01		136.14	0.001493	1.79	9.86	7.27	0.36
RIVO	RIVO	44.310*	Max WS	11.22	133.39	136.01		136.14	0.001442	1.77	10.03	7.42	0.35
RIVO	RIVO	44.276*	Max WS	11.22	133.37	136.01		136.14	0.001393	1.76	10.20	7.57	0.35
RIVO	RIVO	44.241*	Max WS	11.22	133.34	136.01		136.14	0.001347	1.74	10.38	7.74	0.34
RIVO	RIVO	44.207*	Max WS	11.22	133.32	136.01		136.13	0.001304	1.72	10.56	7.92	0.34
RIVO	RIVO	44.172*	Max WS	11.21	133.29	136.01		136.13	0.001263	1.70	10.74	8.12	0.33
RIVO	RIVO	44.138*	Max WS	11.21	133.26	136.01		136.13	0.001225	1.69	10.93	8.35	0.33
RIVO	RIVO	44.103*	Max WS	11.21	133.24	136.01		136.13	0.001189	1.68	11.11	8.61	0.32
RIVO	RIVO	44.069*	Max WS	11.21	133.21	136.02		136.13	0.001155	1.66	11.31	8.91	0.32
RIVO	RIVO	44.034*	Max WS	11.21	133.19	136.02		136.12	0.001125	1.65	11.50	9.28	0.32
RIVO	RIVO	44	Max WS	11.21	133.16	136.02		136.12	0.001094	1.64	11.71	9.68	0.31
RIVO	RIVO	43.6685	Lat Struct										
RIVO	RIVO	43.668	Lat Struct										
RIVO	RIVO	43.667*	Max WS	11.21	133.11	136.01		136.12	0.001002	1.56	12.33	12.95	0.30
RIVO	RIVO	43.334	Lat Struct										
RIVO	RIVO	43.333*	Max WS	11.20	133.06	136.03		136.10	0.000731	1.32	14.95	13.74	0.25
RIVO	RIVO	43	Max WS	11.20	133.01	136.03	134.45	136.10	0.000750	1.32	12.89	8.12	0.25
RIVO	RIVO	42.50 Inizio Tratto In	Bridge										
RIVO	RIVO	42	Max WS	0.73	132.36	134.46		134.46	0.000050	0.29	3.44	3.04	0.06
RIVO	RIVO	41.650*	Max WS	0.72	132.36	134.46		134.46	0.000053	0.30	3.32	2.94	0.07
RIVO	RIVO	41.300	Max WS	0.72	132.36	134.46		134.46	0.000048	0.28	3.45	3.04	0.06
RIVO	RIVO	41.250*	Max WS	13.86	132.36	134.38	134.93	136.12	0.022594	6.01	3.11	2.82	1.35
RIVO	RIVO	41.200	Max WS	8.43	132.36	134.37		134.94	0.007739	3.50	3.22	2.14	0.79
RIVO	RIVO MEDIO	41	Max WS	15.32	131.99	134.37		134.97	0.005984	3.43	4.67	2.24	0.71
RIVO	RIVO MEDIO	40.802	Lat Struct										
RIVO	RIVO MEDIO	40.801	Lat Struct										
RIVO	RIVO MEDIO	40.800*	Max WS	15.13	131.95	134.37		134.90	0.005168	3.23	4.80	2.04	0.66
RIVO	RIVO MEDIO	40.600*	Max WS	14.92	131.90	134.40		134.85	0.004309	3.00	5.08	2.09	0.61
RIVO	RIVO MEDIO	40.400*	Max WS	14.63	131.86	134.44		134.82	0.003496	2.76	5.40	2.15	0.55
RIVO	RIVO MEDIO	40.200*	Max WS	14.26	131.81	134.49		134.81	0.002779	2.52	5.77	2.21	0.49
RIVO	RIVO MEDIO	40	Max WS	13.77	131.77	134.54	133.38	134.81	0.002165	2.27	6.15	2.27	0.44
RIVO	RIVO MEDIO	39.50 Accesso Privato	Bridge										
RIVO	RIVO MEDIO	39	Max WS	13.76	131.53	132.52	132.64	133.20	0.022679	3.65	3.77	4.04	1.19
RIVO	RIVO MEDIO	38.669	Lat Struct										
RIVO	RIVO MEDIO	38.668	Lat Struct										
RIVO	RIVO MEDIO	38.667*	Max WS	13.75	131.29	132.44	132.43	132.97	0.014949	3.27	4.51	4.43	0.99
RIVO	RIVO MEDIO	38.333*	Max WS	13.75	131.05	132.39		132.79	0.009499	2.88	5.45	4.99	0.81
RIVO	RIVO MEDIO	38	Max WS	13.72	130.80	132.37		132.65	0.005733	2.47	6.81	6.55	0.65
RIVO	RIVO MEDIO	37.667*	Max WS	13.72	130.68	132.31		132.66	0.006592	2.75	6.35	5.33	0.70
RIVO	RIVO MEDIO	37.333*	Max WS	13.73	130.57	132.25		132.69	0.008338	3.17	5.78	4.84	0.79
RIVO	RIVO MEDIO	37	Max WS	13.73	130.45	132.19	132.14	132.79	0.011212	3.79	5.20	4.39	0.92
RIVO	RIVO MEDIO	36.964	Lat Struct										
RIVO	RIVO MEDIO	36.963	Lat Struct										
RIVO	RIVO MEDIO	36.962*	Max WS	13.73	130.40	132.13	132.08	132.73	0.011219	3.78	5.22	4.44	0.92
RIVO	RIVO MEDIO	36.923*	Max WS	13.73	130.36	132.08	132.03	132.67	0.011233	3.77	5.24	4.48	0.92
RIVO	RIVO MEDIO	36.885*	Max WS	13.73	130.31	132.02	131.97	132.61	0.011255	3.76	5.26	4.53	0.92
RIVO	RIVO MEDIO	36.846*	Max WS	13.72	130.26	131.97	131.92	132.55	0.011259	3.75	5.28	4.58	0.92
RIVO	RIVO MEDIO	36.808*	Max WS	13.72	130.21	131.91	131.86	132.49	0.011273	3.74	5.30	4.62	0.92
RIVO	RIVO MEDIO	36.769*	Max WS	13.72	130.17	131.85	131.81	132.43	0.011278	3.73	5.32	4.67	0.92
RIVO	RIVO MEDIO	36.733	Lat Struct										
RIVO	RIVO MEDIO	36.732	Lat Struct										
RIVO	RIVO MEDIO	36.731*	Max WS	13.71	130.12	131.80	131.75	132.37	0.011281	3.71	5.34	4.72	0.92
RIVO	RIVO MEDIO	36.692*	Max WS	13.71	130.07	131.74	131.69	132.31	0.011302	3.70	5.35	4.77	0.92
RIVO	RIVO MEDIO	36.654*	Max WS	13.72	130.02	131.69	131.64	132.25	0.011320	3.69	5.37	4.82	0.92
RIVO	RIVO MEDIO	36.615*	Max WS	13.72	129.98	131.63	131.58	132.19	0.011349	3.68	5.39	4.87	0.92
RIVO	RIVO MEDIO	36.577*	Max WS	13.72	129.93	131.57	131.53	132.13	0.011364	3.67	5.41	4.92	0.92
RIVO	RIVO MEDIO	36.538*	Max WS	13.72	129.88	131.52	131.47	132.07	0.011410	3.67	5.42	4.97	0.92
RIVO	RIVO MEDIO	36.502	Lat Struct										
RIVO	RIVO MEDIO	36.501	Lat Struct										
RIVO	RIVO MEDIO	36.500*	Max WS	13.73	129.84	131.46	131.42	132.01	0.011460	3.66	5.44	5.02	0.92
RIVO	RIVO MEDIO	36.462*	Max WS	13.72	129.79	131.40	131.36	131.94	0.011488	3.65	5.46	5.08	0.92
RIVO	RIVO MEDIO	36.423*	Max WS	13.72	129.74	131.34	131.30	131.88	0.011548	3.64	5.47	5.13	0.93
RIVO	RIVO MEDIO	36.385*	Max WS	13.72	129.69	131.29	131.25	131.82	0.011603	3.63	5.48	5.18	0.93
RIVO	RIVO MEDIO	36.346*	Max WS	13.72	129.65	131.23	131.19	131.76	0.011673	3.63	5.49	5.24	0.93
RIVO	RIVO MEDIO	36.308*	Max WS	13.72	129.60	131.17	131.14	131.70	0.011734	3.62	5.50	5.29	0.93
RIVO	RIVO MEDIO	36.271	Lat Struct										
RIVO	RIVO MEDIO	36.270	Lat Struct										
RIVO	RIVO MEDIO	36.269*	Max WS	13.72	129.55	131.11	131.08	131.64	0.011838	3.62	5.51	5.34	0.93
RIVO	RIVO MEDIO	36.231*	Max WS	13.72	129.50	131.05	131.02	131.58	0.011952	3.62	5.51	5.40	0.94
RIVO	RIVO MEDIO	36.192*	Max WS	13.71	129.46	130.99	130.97	131.52	0.012088	3.62	5.51	5.45	0.94
RIVO	RIVO MEDIO	36.154*	Max WS	13.71	129.41	130.93	130.91	131.46	0.012245	3.62	5.51	5.50	0.94
RIVO	RIVO MEDIO	36.115*	Max WS	13.71	129.36	130.87	130.85	131.40	0.012446	3.62	5.50	5.55	0.95
RIVO	RIVO MEDIO	36.077*	Max WS	13.71	129.32	130.81	130.79	131.33	0.012690	3.63	5.48	5.60	0.96
RIVO	RIVO MEDIO	36.040	Lat Struct										
RIVO	RIVO MEDIO	36.039	Lat Struct										
RIVO	RIVO MEDIO	36.038*	Max WS	13.71	129.27	130.74	130.75	131.27	0.012997	3.65	5.46	5.65	0.97
RIVO	RIVO MEDIO	36	Max WS	13.70	129.22	130.68	130.69	131.21	0.013336	3.67	5.43	5.69	0.98
RIVO	RIVO MEDIO	35.967*	Max WS	13.70	129.15	130.61	130.63	131.15	0.013297	3.67</			

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_MEDIO	35.833*	Max WS	13.69	128.87	130.35	130.37	130.89	0.013086	3.66	5.46	5.69	0.97
RIVO	RIVO_MEDIO	35.800*	Max WS	13.69	128.80	130.29	130.30	130.82	0.013019	3.66	5.47	5.70	0.97
RIVO	RIVO_MEDIO	35.767*	Max WS	13.69	128.73	130.23	130.23	130.75	0.012925	3.65	5.49	5.70	0.96
RIVO	RIVO_MEDIO	35.733*	Max WS	13.68	128.66	130.16	130.17	130.69	0.012817	3.64	5.51	5.71	0.96
RIVO	RIVO_MEDIO	35.700*	Max WS	13.68	128.59	130.10	130.10	130.62	0.012696	3.64	5.53	5.72	0.96
RIVO	RIVO_MEDIO	35.667*	Max WS	13.68	128.52	130.04	130.03	130.56	0.012558	3.63	5.55	5.73	0.95
RIVO	RIVO_MEDIO	35.635	Lat Struct										
RIVO	RIVO_MEDIO	35.634	Lat Struct										
RIVO	RIVO_MEDIO	35.633*	Max WS	13.68	128.45	129.98	129.97	130.49	0.012395	3.61	5.58	5.74	0.95
RIVO	RIVO_MEDIO	35.600*	Max WS	13.67	128.38	129.92	129.90	130.43	0.012202	3.60	5.61	5.75	0.94
RIVO	RIVO_MEDIO	35.567*	Max WS	13.67	128.31	129.86	129.84	130.36	0.011977	3.58	5.66	5.77	0.93
RIVO	RIVO_MEDIO	35.533*	Max WS	13.67	128.24	129.80	129.77	130.30	0.011722	3.56	5.70	5.79	0.92
RIVO	RIVO_MEDIO	35.500*	Max WS	13.67	128.18	129.75	129.70	130.23	0.011415	3.53	5.76	5.82	0.91
RIVO	RIVO_MEDIO	35.467*	Max WS	13.66	128.11	129.69	129.64	130.17	0.011059	3.49	5.84	5.85	0.90
RIVO	RIVO_MEDIO	35.435	Lat Struct										
RIVO	RIVO_MEDIO	35.434	Lat Struct										
RIVO	RIVO_MEDIO	35.433*	Max WS	13.66	128.04	129.64	129.58	130.10	0.010669	3.45	5.92	5.89	0.88
RIVO	RIVO_MEDIO	35.400*	Max WS	13.66	127.97	129.59	129.51	130.04	0.010300	3.42	6.01	5.98	0.87
RIVO	RIVO_MEDIO	35.367*	Max WS	13.66	127.90	129.54	129.44	129.99	0.009996	3.40	6.13	6.26	0.86
RIVO	RIVO_MEDIO	35.333*	Max WS	13.66	127.83	129.50	129.38	129.93	0.009514	3.35	6.27	6.45	0.84
RIVO	RIVO_MEDIO	35.300*	Max WS	13.65	127.76	129.46	129.37	129.87	0.008827	3.26	6.45	6.44	0.81
RIVO	RIVO_MEDIO	35.267*	Max WS	13.65	127.69	129.43		129.81	0.008070	3.16	6.67	6.38	0.78
RIVO	RIVO_MEDIO	35.235	Lat Struct										
RIVO	RIVO_MEDIO	35.234	Lat Struct										
RIVO	RIVO_MEDIO	35.233*	Max WS	13.64	127.62	129.40		129.75	0.007286	3.06	6.93	6.30	0.74
RIVO	RIVO_MEDIO	35.200*	Max WS	13.64	127.55	129.38		129.71	0.006538	2.95	7.20	6.21	0.71
RIVO	RIVO_MEDIO	35.167*	Max WS	13.64	127.48	129.37		129.66	0.005854	2.84	7.49	6.12	0.67
RIVO	RIVO_MEDIO	35.133*	Max WS	13.63	127.41	129.35		129.63	0.005229	2.74	7.79	6.04	0.64
RIVO	RIVO_MEDIO	35.100*	Max WS	13.59	127.34	129.34		129.60	0.004646	2.63	8.11	5.95	0.60
RIVO	RIVO_MEDIO	35.067*	Max WS	13.58	127.27	129.33		129.57	0.004170	2.54	8.41	5.87	0.57
RIVO	RIVO_MEDIO	35.035	Lat Struct										
RIVO	RIVO_MEDIO	35.034	Lat Struct										
RIVO	RIVO_MEDIO	35.033*	Max WS	13.51	127.20	129.33		129.54	0.003704	2.45	8.73	5.79	0.54
RIVO	RIVO_MEDIO	35	Max WS	13.42	127.13	129.33		129.53	0.003289	2.35	9.04	5.70	0.52
RIVO	RIVO_MEDIO	34.667*	Max WS	13.36	127.03	129.29		129.52	0.003479	2.49	8.57	5.19	0.53
RIVO	RIVO_MEDIO	34.333*	Max WS	13.36	126.93	129.25		129.52	0.003854	2.68	7.99	4.68	0.57
RIVO	RIVO_MEDIO	34	Max WS	13.45	126.83	129.18	128.65	129.52	0.004548	2.95	7.27	4.17	0.62
RIVO	RIVO_MEDIO	33.5	Bridge										
RIVO	RIVO_MEDIO	33	Max WS	13.45	126.79	127.96	128.53	129.87	0.059690	6.75	2.83	3.51	2.00
RIVO	RIVO_MEDIO	32.99	Lat Struct										
RIVO	RIVO_MEDIO	32.952*	Max WS	13.45	126.74	127.90	128.53	129.78	0.058678	6.63	2.82	3.51	1.98
RIVO	RIVO_MEDIO	32.905*	Max WS	13.44	126.70	127.85	128.48	129.68	0.057521	6.51	2.82	3.51	1.95
RIVO	RIVO_MEDIO	32.857*	Max WS	13.43	126.65	127.79	128.42	129.58	0.056182	6.39	2.82	3.51	1.93
RIVO	RIVO_MEDIO	32.810*	Max WS	13.43	126.61	127.74	128.30	129.48	0.054790	6.27	2.83	3.51	1.90
RIVO	RIVO_MEDIO	32.801	Lat Struct										
RIVO	RIVO_MEDIO	32.762*	Max WS	13.43	126.56	127.69	128.23	129.37	0.053279	6.14	2.85	3.50	1.87
RIVO	RIVO_MEDIO	32.714*	Max WS	13.43	126.51	127.64	128.16	129.27	0.051701	6.01	2.87	3.52	1.84
RIVO	RIVO_MEDIO	32.667*	Max WS	13.42	126.47	127.59	128.09	129.16	0.049896	5.88	2.90	3.53	1.80
RIVO	RIVO_MEDIO	32.619*	Max WS	13.42	126.42	127.54	128.02	129.05	0.047900	5.74	2.93	3.56	1.76
RIVO	RIVO_MEDIO	32.571*	Max WS	13.42	126.37	127.49	127.95	128.95	0.045849	5.60	2.97	3.58	1.72
RIVO	RIVO_MEDIO	32.570	Lat Struct										
RIVO	RIVO_MEDIO	32.524*	Max WS	13.42	126.33	127.45	127.88	128.84	0.043631	5.46	3.02	3.62	1.68
RIVO	RIVO_MEDIO	32.476*	Max WS	13.41	126.28	127.41	127.82	128.73	0.041261	5.31	3.08	3.65	1.63
RIVO	RIVO_MEDIO	32.429*	Max WS	13.42	126.24	127.37	127.74	128.62	0.038788	5.16	3.14	3.69	1.59
RIVO	RIVO_MEDIO	32.381*	Max WS	13.42	126.19	127.33	127.68	128.51	0.036314	5.00	3.22	3.73	1.53
RIVO	RIVO_MEDIO	32.333*	Max WS	13.43	126.14	127.30	127.62	128.41	0.033668	4.84	3.30	3.78	1.48
RIVO	RIVO_MEDIO	32.286*	Max WS	13.43	126.10	127.27	127.56	128.31	0.031082	4.68	3.40	3.83	1.42
RIVO	RIVO_MEDIO	32.238*	Max WS	13.45	126.05	127.24	127.49	128.21	0.028557	4.52	3.51	3.89	1.37
RIVO	RIVO_MEDIO	32.190*	Max WS	13.46	126.00	127.21	127.43	128.12	0.026084	4.35	3.63	3.95	1.31
RIVO	RIVO_MEDIO	32.143*	Max WS	13.48	125.96	127.19	127.37	128.03	0.023675	4.19	3.76	4.01	1.25
RIVO	RIVO_MEDIO	32.095*	Max WS	13.48	125.91	127.16	127.31	127.94	0.021335	4.02	3.90	4.07	1.19
RIVO	RIVO_MEDIO	32.048*	Max WS	13.48	125.87	127.14	127.25	127.86	0.019176	3.86	4.05	4.13	1.13
RIVO	RIVO_MEDIO	32	Max WS	13.48	125.82	127.13	127.19	127.79	0.017150	3.70	4.21	4.20	1.07
RIVO	RIVO_MEDIO	31.993*	Max WS	13.47	125.80	127.11	127.18	127.77	0.017112	3.70	4.22	4.20	1.07
RIVO	RIVO_MEDIO	31.986*	Max WS	13.46	125.78	127.09	127.16	127.75	0.017089	3.70	4.22	4.21	1.07
RIVO	RIVO_MEDIO	31.979*	Max WS	13.46	125.77	127.08	127.14	127.74	0.017079	3.70	4.22	4.21	1.07
RIVO	RIVO_MEDIO	31.972*	Max WS	13.46	125.75	127.06	127.12	127.72	0.017074	3.70	4.22	4.22	1.07
RIVO	RIVO_MEDIO	31.965*	Max WS	13.46	125.73	127.04	127.11	127.70	0.017071	3.70	4.23	4.22	1.07
RIVO	RIVO_MEDIO	31.958*	Max WS	13.46	125.71	127.03	127.09	127.68	0.017029	3.70	4.23	4.23	1.07
RIVO	RIVO_MEDIO	31.951*	Max WS	13.46	125.70	127.01	127.07	127.67	0.017053	3.70	4.23	4.23	1.07
RIVO	RIVO_MEDIO	31.944*	Max WS	13.46	125.68	126.99	127.06	127.65	0.017024	3.70	4.24	4.24	1.07
RIVO	RIVO_MEDIO	31.937*	Max WS	13.45	125.66	126.97	127.04	127.63	0.017022	3.70	4.24	4.24	1.07
RIVO	RIVO_MEDIO	31.930*	Max WS	13.45	125.64	126.96	127.02	127.62	0.016995	3.70	4.24	4.25	1.07
RIVO	RIVO_MEDIO	31.925	Lat Struct										
RIVO	RIVO_MEDIO	31.924	Lat Struct										
RIVO	RIVO_MEDIO	31.923*	Max WS	13.46	125.63	126.94	127.01	127.60	0.017021	3.70	4.24	4.25	1.07
RIVO	RIVO_MEDIO	31.916*	Max WS	13.46	125.61	126.92	126.99	127.58	0.017015	3.71	4.25	4.26	1.07
RIVO	RIVO_MEDIO	31.909*	Max WS	13.47	125.59	126.91	126.97	127.57	0.017029	3.71	4.25	4.26	1.07
RIVO	RIVO_MEDIO	31.902*	Max WS	13.48	125.57	126.89	126.96	127.55	0.017039	3.71	4.25	4.27	1.07
RIVO	RIVO_MEDIO	31.895*	Max WS	13.48	125.55	126.87	126.94	127.53	0.017057	3.72	4.25	4.27	1.07
RIVO	RIVO_MEDIO	31.888*	Max WS	13.49	125.54	126.86	126.92	127.52	0.017060	3.72	4.26	4.28	1.07
RIVO	RIVO_MEDIO	31.881*	Max WS	13.49	125.52	126.84	126.91	127.50	0.017038	3.72	4.26	4.28	1.07
RIVO	RIVO_MEDIO	31.874*	Max WS	13.49	125.50	126.82	126.89	127.48	0.017045	3.72	4.26	4.29	1.07
RIVO	RIVO_MEDIO	31.867*	Max WS	13.49	125.48	126.81	126.87	127.47	0.017050	3.72	4.27	4.29	1.07
RIVO	RIVO_MEDIO	31.860*	Max WS	13.49	125.47	126.79	126.86	127.45	0.017051	3.72	4.27	4.30	1.07
RIVO	RIVO_MEDIO	31.853*	Max WS	13.49	125.45	126.77	126.84	127.43	0.017018	3.72	4.27	4.30	1.07
RIVO	RIVO_MEDIO	31.846*	Max WS	13.49	125.43	126.75	126.82	127.42	0.017006	3.72	4.28	4.31	1.07
RIVO	RIVO_MEDIO	31.839*	Max WS	13.49	125.41	126.74	126.81	127.40	0.016981	3.72	4.28	4.31	1.07
RIVO	RIVO_MEDIO	31.832*	Max WS	13.49	125.39	126.72	126.79	127.38	0.017008	3.73	4.28	4.32	1.07
RIVO	RIVO_MEDIO	31.825*	Max WS	13.49	125.38	126.70	126.77	127.37	0.016965	3.73	4.29	4.32	1.07
RIVO	RIVO_MEDIO	31.818*	Max WS	13.49	125.36	126.69	126.76	127.35	0.016968	3.73	4.29	4.32	1.07
RIVO	RIVO_MEDIO	31.811*	Max WS	13.49	125.34	126.67	126.74	127.33	0.016955	3.73	4.29	4.33	1.07
RIVO	RIVO_MEDIO	31.804*	Max WS	13.49	125.32	126.65	126.72	127.31	0.016953	3.73	4.29	4.33	1.07
RIVO	RIVO_MEDIO	31.797*	Max WS	13.49	125.31	126.64	126.71	127.30	0.016933	3.73			

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.715		Lat Struct									
RIVO	RIVO_MEDIO	31.714		Lat Struct									
RIVO	RIVO_MEDIO	31.713*	Max WS	13.48	125.09	126.44	126.50	127.09	0.016720	3.73	4.34	4.40	1.06
RIVO	RIVO_MEDIO	31.706*	Max WS	13.48	125.07	126.42	126.49	127.08	0.016715	3.73	4.34	4.40	1.06
RIVO	RIVO_MEDIO	31.699*	Max WS	13.48	125.06	126.40	126.47	127.06	0.016659	3.73	4.35	4.41	1.06
RIVO	RIVO_MEDIO	31.6919*	Max WS	13.48	125.04	126.39	126.45	127.04	0.016655	3.73	4.35	4.41	1.06
RIVO	RIVO_MEDIO	31.685*	Max WS	13.48	125.02	126.37	126.44	127.03	0.016638	3.73	4.36	4.42	1.06
RIVO	RIVO_MEDIO	31.678*	Max WS	13.48	125.00	126.35	126.42	127.01	0.016599	3.73	4.36	4.42	1.06
RIVO	RIVO_MEDIO	31.671*	Max WS	13.48	124.99	126.34	126.40	126.99	0.016574	3.73	4.37	4.43	1.06
RIVO	RIVO_MEDIO	31.664*	Max WS	13.47	124.97	126.32	126.39	126.97	0.016540	3.73	4.37	4.43	1.06
RIVO	RIVO_MEDIO	31.657*	Max WS	13.47	124.95	126.30	126.37	126.96	0.016526	3.73	4.37	4.44	1.06
RIVO	RIVO_MEDIO	31.650*	Max WS	13.47	124.93	126.29	126.35	126.94	0.016496	3.73	4.38	4.44	1.06
RIVO	RIVO_MEDIO	31.643*	Max WS	13.47	124.91	126.27	126.33	126.92	0.016452	3.73	4.39	4.45	1.06
RIVO	RIVO_MEDIO	31.636*	Max WS	13.47	124.90	126.25	126.32	126.91	0.016429	3.73	4.39	4.45	1.06
RIVO	RIVO_MEDIO	31.629*	Max WS	13.47	124.88	126.24	126.30	126.89	0.016407	3.73	4.39	4.46	1.06
RIVO	RIVO_MEDIO	31.622*	Max WS	13.47	124.86	126.22	126.28	126.87	0.016353	3.73	4.40	4.46	1.06
RIVO	RIVO_MEDIO	31.615*	Max WS	13.47	124.84	126.21	126.27	126.85	0.016323	3.73	4.41	4.47	1.05
RIVO	RIVO_MEDIO	31.608*	Max WS	13.47	124.83	126.19	126.25	126.84	0.016274	3.73	4.41	4.48	1.05
RIVO	RIVO_MEDIO	31.601*	Max WS	13.47	124.81	126.17	126.23	126.82	0.016263	3.73	4.42	4.48	1.05
RIVO	RIVO_MEDIO	31.594*	Max WS	13.47	124.79	126.16	126.22	126.80	0.016208	3.72	4.42	4.49	1.05
RIVO	RIVO_MEDIO	31.587*	Max WS	13.47	124.77	126.14	126.20	126.79	0.016151	3.72	4.43	4.49	1.05
RIVO	RIVO_MEDIO	31.580*	Max WS	13.47	124.75	126.12	126.18	126.77	0.016100	3.72	4.44	4.50	1.05
RIVO	RIVO_MEDIO	31.573*	Max WS	13.47	124.74	126.11	126.17	126.75	0.016067	3.72	4.44	4.50	1.05
RIVO	RIVO_MEDIO	31.566*	Max WS	13.47	124.72	126.09	126.15	126.74	0.016015	3.72	4.45	4.51	1.05
RIVO	RIVO_MEDIO	31.559*	Max WS	13.47	124.70	126.08	126.14	126.72	0.015966	3.71	4.46	4.52	1.04
RIVO	RIVO_MEDIO	31.552*	Max WS	13.47	124.68	126.06	126.12	126.70	0.015912	3.71	4.47	4.52	1.04
RIVO	RIVO_MEDIO	31.545*	Max WS	13.47	124.67	126.04	126.10	126.68	0.015861	3.71	4.47	4.53	1.04
RIVO	RIVO_MEDIO	31.538*	Max WS	13.47	124.65	126.03	126.09	126.67	0.015814	3.71	4.48	4.53	1.04
RIVO	RIVO_MEDIO	31.531*	Max WS	13.47	124.63	126.01	126.07	126.65	0.015751	3.71	4.49	4.54	1.04
RIVO	RIVO_MEDIO	31.524*	Max WS	13.47	124.61	126.00	126.05	126.63	0.015688	3.70	4.50	4.55	1.04
RIVO	RIVO_MEDIO	31.517*	Max WS	13.47	124.59	125.98	126.04	126.62	0.015620	3.70	4.51	4.55	1.03
RIVO	RIVO_MEDIO	31.511		Lat Struct									
RIVO	RIVO_MEDIO	31.510*	Max WS	13.46	124.58	125.97	126.02	126.60	0.015552	3.69	4.52	4.56	1.03
RIVO	RIVO_MEDIO	31.505		Lat Struct									
RIVO	RIVO_MEDIO	31.504*	Max WS	13.46	124.56	125.95	126.00	126.58	0.015470	3.69	4.53	4.57	1.03
RIVO	RIVO_MEDIO	31.497*	Max WS	13.46	124.54	125.94	125.99	126.56	0.015418	3.69	4.54	4.57	1.03
RIVO	RIVO_MEDIO	31.490*	Max WS	13.46	124.52	125.92	125.97	126.55	0.015336	3.68	4.55	4.58	1.03
RIVO	RIVO_MEDIO	31.483*	Max WS	13.46	124.51	125.91	125.95	126.53	0.015268	3.68	4.56	4.59	1.02
RIVO	RIVO_MEDIO	31.476*	Max WS	13.46	124.49	125.89	125.94	126.51	0.015179	3.67	4.57	4.60	1.02
RIVO	RIVO_MEDIO	31.469*	Max WS	13.46	124.47	125.88	125.92	126.50	0.015107	3.67	4.58	4.60	1.02
RIVO	RIVO_MEDIO	31.462*	Max WS	13.46	124.45	125.86	125.90	126.48	0.015013	3.66	4.59	4.61	1.02
RIVO	RIVO_MEDIO	31.455*	Max WS	13.46	124.43	125.85	125.89	126.46	0.014944	3.66	4.60	4.62	1.02
RIVO	RIVO_MEDIO	31.448*	Max WS	13.46	124.42	125.83	125.87	126.44	0.014851	3.66	4.61	4.63	1.01
RIVO	RIVO_MEDIO	31.441*	Max WS	13.46	124.40	125.82	125.85	126.43	0.014765	3.65	4.63	4.64	1.01
RIVO	RIVO_MEDIO	31.434*	Max WS	13.46	124.38	125.80	125.84	126.41	0.014676	3.64	4.64	4.64	1.01
RIVO	RIVO_MEDIO	31.427*	Max WS	13.46	124.36	125.79	125.82	126.39	0.014561	3.64	4.66	4.65	1.00
RIVO	RIVO_MEDIO	31.420*	Max WS	13.46	124.35	125.77	125.80	126.38	0.014480	3.63	4.67	4.66	1.00
RIVO	RIVO_MEDIO	31.413*	Max WS	13.46	124.33	125.76	125.79	126.36	0.014373	3.63	4.68	4.67	1.00
RIVO	RIVO_MEDIO	31.406*	Max WS	13.46	124.31	125.74	125.77	126.34	0.014260	3.62	4.70	4.68	0.99
RIVO	RIVO_MEDIO	31.399*	Max WS	13.46	124.29	125.73	125.75	126.32	0.014146	3.61	4.72	4.69	0.99
RIVO	RIVO_MEDIO	31.392*	Max WS	13.46	124.27	125.72	125.74	126.31	0.014059	3.61	4.73	4.70	0.99
RIVO	RIVO_MEDIO	31.385*	Max WS	13.46	124.26	125.70	125.72	126.29	0.013923	3.60	4.75	4.71	0.98
RIVO	RIVO_MEDIO	31.378*	Max WS	13.46	124.24	125.69	125.70	126.27	0.013823	3.59	4.76	4.72	0.98
RIVO	RIVO_MEDIO	31.371*	Max WS	13.46	124.22	125.67	125.68	126.26	0.013693	3.58	4.78	4.73	0.98
RIVO	RIVO_MEDIO	31.364*	Max WS	13.46	124.20	125.66	125.67	126.24	0.013571	3.57	4.80	4.74	0.97
RIVO	RIVO_MEDIO	31.357*	Max WS	13.46	124.19	125.65	125.65	126.22	0.013460	3.56	4.82	4.75	0.97
RIVO	RIVO_MEDIO	31.350*	Max WS	13.46	124.17	125.63	125.63	126.21	0.013320	3.55	4.84	4.76	0.96
RIVO	RIVO_MEDIO	31.343*	Max WS	13.46	124.15	125.62	125.62	126.19	0.013188	3.54	4.86	4.77	0.96
RIVO	RIVO_MEDIO	31.336*	Max WS	13.46	124.13	125.61	125.60	126.17	0.013067	3.54	4.88	4.78	0.96
RIVO	RIVO_MEDIO	31.329*	Max WS	13.46	124.11	125.60	125.58	126.16	0.012916	3.52	4.90	4.80	0.95
RIVO	RIVO_MEDIO	31.322*	Max WS	13.46	124.10	125.58	125.57	126.14	0.012788	3.51	4.93	4.81	0.95
RIVO	RIVO_MEDIO	31.315*	Max WS	13.46	124.08	125.57	125.55	126.12	0.012641	3.50	4.95	4.82	0.94
RIVO	RIVO_MEDIO	31.308*	Max WS	13.46	124.06	125.56	125.53	126.10	0.012494	3.49	4.97	4.83	0.94
RIVO	RIVO_MEDIO	31.303		Lat Struct									
RIVO	RIVO_MEDIO	31.302		Lat Struct									
RIVO	RIVO_MEDIO	31.301*	Max WS	13.46	124.04	125.54	125.52	126.09	0.012362	3.48	5.00	4.85	0.93
RIVO	RIVO_MEDIO	31.294*	Max WS	13.46	124.03	125.53	125.50	126.07	0.012192	3.47	5.03	4.86	0.93
RIVO	RIVO_MEDIO	31.287*	Max WS	13.46	124.01	125.52	125.48	126.06	0.012053	3.46	5.05	4.88	0.92
RIVO	RIVO_MEDIO	31.280*	Max WS	13.46	123.99	125.51	125.47	126.04	0.011897	3.44	5.08	4.89	0.92
RIVO	RIVO_MEDIO	31.273*	Max WS	13.46	123.97	125.50	125.45	126.02	0.011742	3.43	5.11	4.90	0.91
RIVO	RIVO_MEDIO	31.266*	Max WS	13.46	123.96	125.49	125.43	126.01	0.011591	3.42	5.14	4.92	0.91
RIVO	RIVO_MEDIO	31.259*	Max WS	13.46	123.94	125.47	125.42	125.99	0.011429	3.40	5.16	4.93	0.90
RIVO	RIVO_MEDIO	31.252*	Max WS	13.46	123.92	125.46	125.40	125.97	0.011266	3.39	5.20	4.95	0.89
RIVO	RIVO_MEDIO	31.245*	Max WS	13.46	123.90	125.45	125.38	125.96	0.011111	3.38	5.23	4.96	0.89
RIVO	RIVO_MEDIO	31.238*	Max WS	13.46	123.88	125.44	125.37	125.94	0.010943	3.36	5.26	4.98	0.88
RIVO	RIVO_MEDIO	31.231*	Max WS	13.46	123.87	125.43	125.35	125.93	0.010780	3.35	5.29	5.00	0.88
RIVO	RIVO_MEDIO	31.224*	Max WS	13.46	123.85	125.42	125.33	125.91	0.010607	3.33	5.33	5.02	0.87
RIVO	RIVO_MEDIO	31.217*	Max WS	13.46	123.83	125.41	125.32	125.89	0.010443	3.32	5.36	5.03	0.86
RIVO	RIVO_MEDIO	31.210*	Max WS	13.46	123.81	125.40	125.30	125.88	0.010262	3.30	5.40	5.05	0.86
RIVO	RIVO_MEDIO	31.203*	Max WS	13.46	123.80	125.39		125.86	0.010071	3.28	5.45	5.07	0.85
RIVO	RIVO_MEDIO	31.196*	Max WS	13.46	123.78	125.38		125.85	0.009876	3.26	5.49	5.09	0.84
RIVO	RIVO_MEDIO	31.189*	Max WS	13.46	123.76	125.37		125.83	0.009687	3.24	5.53	5.11	0.84
RIVO	RIVO_MEDIO	31.182*	Max WS	13.46	123.74	125.36		125.82	0.009500	3.22	5.58	5.13	0.83
RIVO	RIVO_MEDIO	31.175*	Max WS	13.46	123.72	125.36		125.80	0.009296	3.20	5.63	5.16	0.82
RIVO	RIVO_MEDIO	31.168*	Max WS	13.46	123.71	125.35		125.79	0.009085	3.18	5.68	5.18	0.81
RIVO	RIVO_MEDIO	31.161*	Max WS	13.46	123.69	125.34		125.78	0.008888	3.16	5.73	5.21	0.80
RIVO	RIVO_MEDIO	31.154*	Max WS	13.46	123.67	125.33		125.76	0.008674	3.14	5.79	5.23	0.80
RIVO	RIVO_MEDIO	31.147*	Max WS	13.46	123.65	125.33		125.75	0.008469	3.11	5.85	5.26	0.79
RIVO	RIVO_MEDIO	31.140*	Max WS	13.46	123.64	125.32		125.73	0.008242	3.09	5.91	5.29	0.78
RIVO	RIVO_MEDIO	31.133*	Max WS	13.46	123.62	125.32		125.72	0.008024	3.06	5.98	5.32	0.77
RIVO													

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.028*	Max WS	13.45	123.35	125.28		125.57	0.005048	2.65	7.23	5.85	0.62
RIVO	RIVO_MEDIO	31.021*	Max WS	13.45	123.33	125.28		125.56	0.004887	2.62	7.33	5.89	0.61
RIVO	RIVO_MEDIO	31.014*	Max WS	13.45	123.32	125.28		125.55	0.004728	2.60	7.43	5.93	0.60
RIVO	RIVO_MEDIO	31.007*	Max WS	13.45	123.30	125.27		125.55	0.004581	2.57	7.53	5.97	0.60
RIVO	RIVO_MEDIO	31	Max WS	13.45	123.28	125.27		125.54	0.004433	2.54	7.64	6.01	0.59
RIVO	RIVO_VALLE	30.99	Max WS	22.30	123.28	125.27	125.29	126.01	0.012182	4.22	7.64	6.01	0.97
RIVO	RIVO_VALLE	30.983*	Max WS	22.30	123.27	125.26	125.28	125.99	0.012184	4.21	7.64	6.02	0.97
RIVO	RIVO_VALLE	30.977*	Max WS	22.30	123.26	125.25	125.27	125.98	0.012178	4.21	7.64	6.03	0.97
RIVO	RIVO_VALLE	30.970*	Max WS	22.30	123.25	125.24	125.26	125.97	0.012178	4.21	7.65	6.04	0.97
RIVO	RIVO_VALLE	30.963*	Max WS	22.30	123.24	125.23	125.24	125.95	0.012179	4.20	7.65	6.05	0.97
RIVO	RIVO_VALLE	30.959	Lat Struct										
RIVO	RIVO_VALLE	30.958	Lat Struct										
RIVO	RIVO_VALLE	30.956*	Max WS	22.30	123.23	125.21	125.23	125.94	0.012184	4.20	7.65	6.05	0.97
RIVO	RIVO_VALLE	30.950*	Max WS	22.30	123.22	125.20	125.22	125.93	0.012184	4.20	7.66	6.06	0.97
RIVO	RIVO_VALLE	30.943*	Max WS	22.30	123.21	125.19	125.21	125.91	0.012186	4.19	7.66	6.07	0.97
RIVO	RIVO_VALLE	30.936*	Max WS	22.30	123.20	125.18	125.19	125.90	0.012182	4.19	7.66	6.08	0.97
RIVO	RIVO_VALLE	30.929*	Max WS	22.30	123.19	125.17	125.18	125.89	0.012186	4.19	7.66	6.09	0.97
RIVO	RIVO_VALLE	30.923*	Max WS	22.30	123.18	125.15	125.17	125.87	0.012191	4.18	7.67	6.10	0.97
RIVO	RIVO_VALLE	30.916*	Max WS	22.30	123.17	125.14	125.16	125.86	0.012200	4.18	7.67	6.11	0.97
RIVO	RIVO_VALLE	30.909*	Max WS	22.30	123.16	125.13	125.15	125.85	0.012187	4.18	7.68	6.12	0.97
RIVO	RIVO_VALLE	30.902*	Max WS	22.30	123.15	125.12	125.13	125.83	0.012190	4.17	7.68	6.13	0.97
RIVO	RIVO_VALLE	30.896*	Max WS	22.30	123.14	125.10	125.12	125.82	0.012193	4.17	7.68	6.14	0.97
RIVO	RIVO_VALLE	30.889*	Max WS	22.30	123.13	125.09	125.11	125.81	0.012194	4.17	7.68	6.15	0.97
RIVO	RIVO_VALLE	30.882*	Max WS	22.30	123.12	125.08	125.10	125.79	0.012198	4.16	7.69	6.16	0.97
RIVO	RIVO_VALLE	30.876*	Max WS	22.30	123.11	125.07	125.09	125.78	0.012212	4.16	7.69	6.17	0.97
RIVO	RIVO_VALLE	30.869*	Max WS	22.30	123.10	125.06	125.07	125.77	0.012214	4.16	7.69	6.18	0.97
RIVO	RIVO_VALLE	30.862*	Max WS	22.30	123.09	125.04	125.06	125.76	0.012209	4.15	7.70	6.19	0.97
RIVO	RIVO_VALLE	30.855*	Max WS	22.30	123.08	125.03	125.05	125.74	0.012210	4.15	7.70	6.20	0.97
RIVO	RIVO_VALLE	30.849*	Max WS	22.30	123.07	125.02	125.03	125.73	0.012215	4.15	7.70	6.20	0.97
RIVO	RIVO_VALLE	30.842*	Max WS	22.30	123.06	125.01	125.02	125.72	0.012217	4.14	7.70	6.21	0.97
RIVO	RIVO_VALLE	30.835*	Max WS	22.30	123.05	125.00	125.01	125.70	0.012214	4.14	7.71	6.22	0.97
RIVO	RIVO_VALLE	30.828*	Max WS	22.30	123.04	124.98	125.00	125.69	0.012228	4.14	7.71	6.23	0.97
RIVO	RIVO_VALLE	30.822*	Max WS	22.30	123.03	124.97	124.98	125.68	0.012224	4.13	7.71	6.24	0.97
RIVO	RIVO_VALLE	30.815*	Max WS	22.30	123.02	124.96	124.97	125.66	0.012227	4.13	7.72	6.25	0.97
RIVO	RIVO_VALLE	30.808*	Max WS	22.30	123.01	124.95	124.96	125.65	0.012233	4.13	7.72	6.26	0.97
RIVO	RIVO_VALLE	30.801*	Max WS	22.30	123.00	124.93	124.95	125.64	0.012233	4.13	7.72	6.27	0.97
RIVO	RIVO_VALLE	30.795*	Max WS	22.30	122.99	124.92	124.94	125.62	0.012243	4.12	7.72	6.28	0.97
RIVO	RIVO_VALLE	30.788*	Max WS	22.30	122.98	124.91	124.92	125.61	0.012252	4.12	7.73	6.29	0.97
RIVO	RIVO_VALLE	30.781*	Max WS	22.30	122.97	124.90	124.91	125.60	0.012256	4.12	7.73	6.30	0.97
RIVO	RIVO_VALLE	30.774*	Max WS	22.30	122.96	124.89	124.90	125.58	0.012262	4.11	7.73	6.31	0.97
RIVO	RIVO_VALLE	30.768*	Max WS	22.30	122.95	124.87	124.89	125.57	0.012262	4.11	7.73	6.32	0.97
RIVO	RIVO_VALLE	30.761	Lat Struct										
RIVO	RIVO_VALLE	30.7609*	Max WS	22.30	122.94	124.86	124.87	125.56	0.012264	4.11	7.74	6.33	0.97
RIVO	RIVO_VALLE	30.760	Lat Struct										
RIVO	RIVO_VALLE	30.754*	Max WS	22.30	122.93	124.85	124.86	125.54	0.012269	4.10	7.74	6.34	0.97
RIVO	RIVO_VALLE	30.748*	Max WS	22.30	122.92	124.84	124.85	125.53	0.012271	4.10	7.74	6.35	0.97
RIVO	RIVO_VALLE	30.741*	Max WS	22.30	122.91	124.82	124.84	125.52	0.012278	4.10	7.75	6.36	0.97
RIVO	RIVO_VALLE	30.734*	Max WS	22.30	122.90	124.81	124.83	125.50	0.012283	4.10	7.75	6.37	0.97
RIVO	RIVO_VALLE	30.727*	Max WS	22.30	122.89	124.80	124.81	125.49	0.012286	4.09	7.75	6.38	0.97
RIVO	RIVO_VALLE	30.721*	Max WS	22.30	122.88	124.79	124.80	125.48	0.012305	4.09	7.75	6.39	0.97
RIVO	RIVO_VALLE	30.714*	Max WS	22.30	122.87	124.78	124.79	125.46	0.012302	4.09	7.76	6.40	0.97
RIVO	RIVO_VALLE	30.707*	Max WS	22.30	122.86	124.76	124.78	125.45	0.012306	4.08	7.76	6.41	0.97
RIVO	RIVO_VALLE	30.700*	Max WS	22.30	122.85	124.75	124.77	125.44	0.012315	4.08	7.76	6.42	0.97
RIVO	RIVO_VALLE	30.694*	Max WS	22.30	122.84	124.74	124.76	125.43	0.012335	4.08	7.76	6.43	0.97
RIVO	RIVO_VALLE	30.687*	Max WS	22.30	122.83	124.73	124.74	125.41	0.012336	4.08	7.77	6.44	0.97
RIVO	RIVO_VALLE	30.680*	Max WS	22.30	122.82	124.71	124.73	125.40	0.012340	4.07	7.77	6.44	0.97
RIVO	RIVO_VALLE	30.673*	Max WS	22.30	122.81	124.70	124.72	125.39	0.012348	4.07	7.77	6.45	0.97
RIVO	RIVO_VALLE	30.667*	Max WS	22.30	122.80	124.69	124.71	125.37	0.012353	4.07	7.77	6.46	0.97
RIVO	RIVO_VALLE	30.660*	Max WS	22.30	122.79	124.68	124.69	125.36	0.012353	4.07	7.78	6.46	0.97
RIVO	RIVO_VALLE	30.653*	Max WS	22.30	122.78	124.66	124.68	125.35	0.012364	4.06	7.78	6.47	0.97
RIVO	RIVO_VALLE	30.647*	Max WS	22.30	122.77	124.65	124.67	125.33	0.012382	4.06	7.78	6.48	0.97
RIVO	RIVO_VALLE	30.640*	Max WS	22.30	122.76	124.64	124.66	125.32	0.012384	4.06	7.78	6.49	0.97
RIVO	RIVO_VALLE	30.633*	Max WS	22.30	122.75	124.63	124.64	125.31	0.012394	4.06	7.78	6.49	0.97
RIVO	RIVO_VALLE	30.626*	Max WS	22.29	122.74	124.62	124.63	125.29	0.012399	4.05	7.79	6.50	0.97
RIVO	RIVO_VALLE	30.620*	Max WS	22.29	122.73	124.60	124.62	125.28	0.012411	4.05	7.79	6.51	0.97
RIVO	RIVO_VALLE	30.613*	Max WS	22.29	122.72	124.59	124.61	125.27	0.012425	4.05	7.79	6.52	0.97
RIVO	RIVO_VALLE	30.606*	Max WS	22.29	122.71	124.58	124.59	125.25	0.012432	4.05	7.79	6.52	0.97
RIVO	RIVO_VALLE	30.599*	Max WS	22.29	122.70	124.57	124.58	125.24	0.012444	4.04	7.79	6.53	0.97
RIVO	RIVO_VALLE	30.593*	Max WS	22.29	122.69	124.55	124.57	125.23	0.012446	4.04	7.80	6.54	0.97
RIVO	RIVO_VALLE	30.586*	Max WS	22.29	122.68	124.54	124.56	125.21	0.012465	4.04	7.80	6.54	0.97
RIVO	RIVO_VALLE	30.579*	Max WS	22.29	122.67	124.53	124.54	125.20	0.012476	4.04	7.80	6.55	0.97
RIVO	RIVO_VALLE	30.572*	Max WS	22.29	122.66	124.52	124.53	125.19	0.012489	4.03	7.80	6.56	0.97
RIVO	RIVO_VALLE	30.566*	Max WS	22.29	122.65	124.50	124.52	125.17	0.012494	4.03	7.80	6.57	0.97
RIVO	RIVO_VALLE	30.563	Lat Struct										
RIVO	RIVO_VALLE	30.562	Lat Struct										
RIVO	RIVO_VALLE	30.559*	Max WS	22.29	122.64	124.49	124.51	125.16	0.012517	4.03	7.80	6.57	0.97
RIVO	RIVO_VALLE	30.552*	Max WS	22.29	122.63	124.48	124.49	125.15	0.012526	4.03	7.80	6.58	0.97
RIVO	RIVO_VALLE	30.546*	Max WS	22.29	122.62	124.47	124.48	125.13	0.012542	4.03	7.80	6.59	0.97
RIVO	RIVO_VALLE	30.539*	Max WS	22.29	122.60	124.45	124.47	125.12	0.012544	4.02	7.81	6.59	0.97
RIVO	RIVO_VALLE	30.532*	Max WS	22.29	122.60	124.44	124.46	125.11	0.012560	4.02	7.81	6.60	0.97
RIVO	RIVO_VALLE	30.525*	Max WS	22.29	122.59	124.43	124.44	125.09	0.012578	4.02	7.81	6.61	0.97
RIVO	RIVO_VALLE	30.519*	Max WS	22.29	122.58	124.42	124.43	125.08	0.012585	4.02	7.81	6.62	0.97
RIVO	RIVO_VALLE	30.512*	Max WS	22.29	122.57	124.40	124.42	125.07	0.012615	4.02	7.81	6.62	0.97
RIVO	RIVO_VALLE	30.505*	Max WS	22.29	122.55	124.39	124.41	125.06	0.012627	4.01	7.81	6.63	0.97
RIVO	RIVO_VALLE	30.498*	Max WS	22.29	122.55	124.38	124.39	125.04	0.012651	4.01	7.81	6.64	0.97
RIVO	RIVO_VALLE	30.492*	Max WS	22.29	122.54	124.37	124.38	125.03	0.012659	4.01	7.81	6.64	0.97
RIVO	RIVO_VALLE	30.485*	Max WS	22.29	122.53	124.35	124.37	125.02	0.012678	4.01	7.81	6.65	0.97
RIVO	RIVO_VALLE	30.478*	Max WS	22.29	122.52	124.34	124.36	125.00	0.012696	4.01	7.81	6.66	0.97
RIVO	RIVO_VALLE	30.471*	Max WS	22.29	122.50	124.33	124.34	124.99	0.012725	4.01	7.81	6.66	0.98
RIVO	RIVO_VALLE	30.465*	Max WS	22.29	122.50	124.32	124.33	124.98	0.012738	4.00			

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_VALLE	30.364		Lat Struct									
RIVO	RIVO_VALLE	30.3639*	Max WS	22.24	122.34	124.12	124.14	124.78	0.013069	3.98	7.79	6.77	0.98
RIVO	RIVO_VALLE	30.357*	Max WS	22.24	122.33	124.11	124.13	124.76	0.013106	3.98	7.78	6.78	0.98
RIVO	RIVO_VALLE	30.350*	Max WS	22.23	122.32	124.10	124.11	124.75	0.013134	3.98	7.78	6.78	0.99
RIVO	RIVO_VALLE	30.343*	Max WS	22.23	122.31	124.08	124.10	124.74	0.013158	3.98	7.78	6.79	0.99
RIVO	RIVO_VALLE	30.337*	Max WS	22.23	122.30	124.07	124.09	124.72	0.013200	3.98	7.77	6.80	0.99
RIVO	RIVO_VALLE	30.330*	Max WS	22.22	122.29	124.06	124.08	124.71	0.013242	3.98	7.77	6.80	0.99
RIVO	RIVO_VALLE	30.323*	Max WS	22.22	122.28	124.04	124.06	124.70	0.013270	3.98	7.76	6.81	0.99
RIVO	RIVO_VALLE	30.317*	Max WS	22.22	122.27	124.03	124.05	124.68	0.013297	3.98	7.76	6.81	0.99
RIVO	RIVO_VALLE	30.310*	Max WS	22.21	122.26	124.02	124.04	124.67	0.013329	3.98	7.76	6.82	0.99
RIVO	RIVO_VALLE	30.303*	Max WS	22.21	122.25	124.00	124.03	124.66	0.013369	3.98	7.75	6.83	0.99
RIVO	RIVO_VALLE	30.296*	Max WS	22.21	122.24	123.99	124.01	124.64	0.013421	3.98	7.74	6.83	0.99
RIVO	RIVO_VALLE	30.290*	Max WS	22.20	122.23	123.98	124.00	124.63	0.013467	3.98	7.74	6.84	0.99
RIVO	RIVO_VALLE	30.283*	Max WS	22.20	122.22	123.96	123.99	124.62	0.013510	3.98	7.73	6.85	1.00
RIVO	RIVO_VALLE	30.276*	Max WS	22.20	122.21	123.95	123.98	124.60	0.013554	3.98	7.73	6.85	1.00
RIVO	RIVO_VALLE	30.269*	Max WS	22.19	122.20	123.94	123.96	124.59	0.013599	3.98	7.72	6.86	1.00
RIVO	RIVO_VALLE	30.263*	Max WS	22.19	122.19	123.92	123.95	124.58	0.013659	3.98	7.71	6.86	1.00
RIVO	RIVO_VALLE	30.256*	Max WS	22.19	122.18	123.91	123.94	124.56	0.013698	3.99	7.71	6.87	1.00
RIVO	RIVO_VALLE	30.249*	Max WS	22.19	122.17	123.90	123.92	124.55	0.013752	3.99	7.70	6.87	1.00
RIVO	RIVO_VALLE	30.242*	Max WS	22.18	122.16	123.88	123.91	124.54	0.013812	3.99	7.69	6.88	1.00
RIVO	RIVO_VALLE	30.236*	Max WS	22.18	122.15	123.87	123.90	124.53	0.013879	3.99	7.68	6.88	1.01
RIVO	RIVO_VALLE	30.229*	Max WS	22.18	122.14	123.86	123.89	124.51	0.013932	3.99	7.68	6.89	1.01
RIVO	RIVO_VALLE	30.222*	Max WS	22.18	122.13	123.84	123.87	124.50	0.014001	4.00	7.67	6.89	1.01
RIVO	RIVO_VALLE	30.216*	Max WS	22.18	122.12	123.83	123.86	124.49	0.014062	4.00	7.66	6.90	1.01
RIVO	RIVO_VALLE	30.209*	Max WS	22.18	122.11	123.81	123.85	124.47	0.014147	4.00	7.65	6.90	1.01
RIVO	RIVO_VALLE	30.202*	Max WS	22.18	122.10	123.80	123.84	124.46	0.014221	4.01	7.64	6.91	1.02
RIVO	RIVO_VALLE	30.195*	Max WS	22.18	122.09	123.79	123.83	124.45	0.014292	4.01	7.63	6.91	1.02
RIVO	RIVO_VALLE	30.189*	Max WS	22.18	122.08	123.77	123.81	124.43	0.014383	4.01	7.61	6.92	1.02
RIVO	RIVO_VALLE	30.182*	Max WS	22.17	122.07	123.76	123.80	124.42	0.014473	4.02	7.60	6.92	1.02
RIVO	RIVO_VALLE	30.175*	Max WS	22.17	122.06	123.74	123.79	124.41	0.014564	4.02	7.58	6.93	1.03
RIVO	RIVO_VALLE	30.168*	Max WS	22.17	122.05	123.73	123.78	124.40	0.014650	4.03	7.57	6.93	1.03
RIVO	RIVO_VALLE	30.167		Lat Struct									
RIVO	RIVO_VALLE	30.166		Lat Struct									
RIVO	RIVO_VALLE	30.162*	Max WS	22.16	122.04	123.71	123.76	124.38	0.014736	4.03	7.56	6.93	1.03
RIVO	RIVO_VALLE	30.155*	Max WS	22.15	122.03	123.70	123.75	124.37	0.014839	4.03	7.54	6.94	1.03
RIVO	RIVO_VALLE	30.148*	Max WS	22.14	122.02	123.68	123.74	124.36	0.014938	4.04	7.53	6.94	1.04
RIVO	RIVO_VALLE	30.141*	Max WS	22.14	122.01	123.67	123.72	124.34	0.015021	4.04	7.51	6.95	1.04
RIVO	RIVO_VALLE	30.135*	Max WS	22.13	122.00	123.65	123.71	124.33	0.015135	4.05	7.49	6.95	1.04
RIVO	RIVO_VALLE	30.128*	Max WS	22.12	121.99	123.64	123.70	124.32	0.015255	4.05	7.47	6.95	1.05
RIVO	RIVO_VALLE	30.121*	Max WS	22.12	121.98	123.62	123.69	124.30	0.015369	4.06	7.46	6.95	1.05
RIVO	RIVO_VALLE	30.114*	Max WS	22.11	121.97	123.61	123.67	124.29	0.015501	4.07	7.44	6.96	1.05
RIVO	RIVO_VALLE	30.108*	Max WS	22.11	121.96	123.59	123.66	124.28	0.015649	4.08	7.42	6.96	1.06
RIVO	RIVO_VALLE	30.101*	Max WS	22.10	121.95	123.58	123.65	124.27	0.015789	4.08	7.39	6.96	1.06
RIVO	RIVO_VALLE	30.094*	Max WS	22.10	121.94	123.56	123.64	124.25	0.015952	4.09	7.37	6.97	1.07
RIVO	RIVO_VALLE	30.088*	Max WS	22.09	121.93	123.54	123.62	124.24	0.016106	4.10	7.35	6.97	1.07
RIVO	RIVO_VALLE	30.081*	Max WS	22.09	121.92	123.53	123.61	124.23	0.016270	4.11	7.32	6.97	1.08
RIVO	RIVO_VALLE	30.074*	Max WS	22.09	121.91	123.51	123.60	124.22	0.016447	4.12	7.30	6.97	1.08
RIVO	RIVO_VALLE	30.067*	Max WS	22.08	121.90	123.50	123.59	124.20	0.016666	4.14	7.27	6.97	1.09
RIVO	RIVO_VALLE	30.061*	Max WS	22.08	121.89	123.48	123.58	124.19	0.016857	4.15	7.24	6.97	1.09
RIVO	RIVO_VALLE	30.054*	Max WS	22.08	121.88	123.46	123.56	124.18	0.017087	4.16	7.21	6.97	1.10
RIVO	RIVO_VALLE	30.047*	Max WS	22.08	121.87	123.44	123.55	124.17	0.017308	4.18	7.18	6.97	1.10
RIVO	RIVO_VALLE	30.040*	Max WS	22.08	121.86	123.43	123.54	124.16	0.017575	4.19	7.14	6.97	1.11
RIVO	RIVO_VALLE	30.034*	Max WS	22.08	121.85	123.41	123.53	124.15	0.017856	4.21	7.10	6.97	1.12
RIVO	RIVO_VALLE	30.027*	Max WS	22.08	121.84	123.39	123.51	124.13	0.018135	4.23	7.07	6.97	1.13
RIVO	RIVO_VALLE	30.020*	Max WS	22.07	121.83	123.37	123.50	124.12	0.018439	4.25	7.03	6.96	1.14
RIVO	RIVO_VALLE	30.013*	Max WS	22.07	121.82	123.36	123.49	124.11	0.018788	4.27	6.99	6.96	1.15
RIVO	RIVO_VALLE	30.007*	Max WS	22.07	121.81	123.34	123.48	124.10	0.019205	4.30	6.94	6.96	1.16
RIVO	RIVO_VALLE	30	Max WS	22.07	121.80	123.32	123.34	123.86	0.021869	3.64	7.31	7.32	1.10
RIVO	RIVO_VALLE	29.669		Lat Struct									
RIVO	RIVO_VALLE	29.668		Lat Struct									
RIVO	RIVO_VALLE	29.667*	Max WS	21.98	121.78	123.21	123.32	123.98	0.020350	4.37	6.95	7.04	1.19
RIVO	RIVO_VALLE	29.333*	Max WS	21.86	121.73	123.11	123.33	123.96	0.023247	4.62	6.58	6.82	1.27
RIVO	RIVO_VALLE	29	Max WS	21.92	121.66	122.64	123.39	127.22	0.168985	9.90	2.43	5.20	3.25
RIVO	RIVO_VALLE	28.919		Lat Struct									
RIVO	RIVO_VALLE	28.918		Lat Struct									
RIVO	RIVO_VALLE	28.917*	Max WS	21.92	121.49	122.47	123.25	127.27	0.172161	9.99	2.39	5.24	3.28
RIVO	RIVO_VALLE	28.833*	Max WS	21.92	121.32	122.31	123.11	127.17	0.169920	9.93	2.37	4.97	3.26
RIVO	RIVO_VALLE	28.750*	Max WS	21.92	121.16	122.15	122.96	126.84	0.159966	9.67	2.39	4.68	3.16
RIVO	RIVO_VALLE	28.667*	Max WS	21.92	120.99	122.00	122.82	126.29	0.141248	9.21	2.47	4.40	2.98
RIVO	RIVO_VALLE	28.583*	Max WS	21.92	120.82	121.88	122.75	125.58	0.114891	8.54	2.63	4.17	2.71
RIVO	RIVO_VALLE	28.500*	Max WS	21.92	120.65	121.78	122.62	124.82	0.086357	7.73	2.89	4.05	2.37
RIVO	RIVO_VALLE	28.417*	Max WS	21.91	120.48	121.71	122.41	124.12	0.061175	6.87	3.23	4.03	2.02
RIVO	RIVO_VALLE	28.333*	Max WS	21.91	120.31	121.66	122.22	123.56	0.042616	6.11	3.59	4.13	1.72
RIVO	RIVO_VALLE	28.250*	Max WS	21.91	120.14	121.62	122.04	123.18	0.030535	5.52	3.97	4.17	1.48
RIVO	RIVO_VALLE	28.167*	Max WS	21.91	119.98	121.60	121.88	122.88	0.022179	5.01	4.39	4.16	1.28
RIVO	RIVO_VALLE	28.083*	Max WS	21.91	119.81	121.58	121.72	122.66	0.016628	4.61	4.82	4.10	1.12
RIVO	RIVO_VALLE	28	Max WS	21.91	119.64	121.57	121.56	122.48	0.012686	4.26	5.26	3.98	1.00
RIVO	RIVO_VALLE	27.752		Lat Struct									
RIVO	RIVO_VALLE	27.751		Lat Struct									
RIVO	RIVO_VALLE	27.750*	Max WS	21.91	119.62	121.52	121.43	122.28	0.010877	3.94	6.41	3.99	0.92
RIVO	RIVO_VALLE	27.500*	Max WS	21.91	119.58	121.47	121.46	122.30	0.012060	4.16	6.33	4.52	0.97
RIVO	RIVO_VALLE	27.250*	Max WS	21.91	119.51	121.41	121.47	122.33	0.013457	4.39	6.26	4.39	1.03
RIVO	RIVO_VALLE	27	Max WS	21.94	119.44	121.35	121.45	122.36	0.015393	4.68	6.09	4.01	1.10
RIVO	RIVO_VALLE	26.933*	Max WS	21.92	119.34	121.28	121.43	122.25	0.014565	4.61	6.44	4.98	1.07
RIVO	RIVO_VALLE	26.867*	Max WS	21.88	119.24	121.22	121.38	122.14	0.013700	4.54	6.79	5.95	1.04
RIVO	RIVO_VALLE	26.802		Lat Struct									
RIVO	RIVO_VALLE	26.801		Lat Struct									
RIVO	RIVO_VALLE	26.800*	Max WS	21.89	119.13	121.15	121.33	122.04	0.012848	4.47	7.17	6.92	1.01
RIVO	RIVO_VALLE	26.733*	Max WS	21.91	119.03	121.10	121.28	121.94	0.011975	4.39	7.58	7.89	0.98
RIVO	RIVO_VALLE	26.667*	Max WS	21.90	118.93	121.04	120.74	121.83	0.011072	4.30	8.04	8.86	0.95
RIVO	RIVO_VALLE	26.600*	Max WS	21.90	118.82	120.99	120.65	121.73	0.010128	4.19	8.56	9.83	0.91
RIVO	RIVO_VALLE	26.533*	Max WS	21.88	118.72	120.95	120.57	121.63	0.009179	4.06	9.17</		

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_VALLE	25.333*	Max WS	22.03	117.97	120.77		121.18	0.004509	3.31	12.25	10.61	0.64
RIVO	RIVO_VALLE	25	Max WS	22.23	118.03	120.75	120.18	121.14	0.004430	3.23	11.47	6.63	0.63
RIVO	RIVO_VALLE	24.50 Accesso Privato	Bridge										
RIVO	RIVO_VALLE	24	Max WS	22.23	118.15	120.69		120.75	0.000927	1.41	30.07	24.83	0.28
RIVO	RIVO_VALLE	23.6	Lat Struct										
RIVO	RIVO_VALLE	23.5	Lat Struct										
RIVO	RIVO_VALLE	23	Max WS	22.19	118.15	120.69	119.64	120.75	0.001045	1.47	31.34	31.57	0.30
RIVO	RIVO_VALLE	22.50 Autostrada	Bridge										
RIVO	RIVO_VALLE	22	Max WS	22.19	115.98	119.65		119.73	0.000641	1.36	18.52	21.95	0.24
RIVO	RIVO_VALLE	21.753	Lat Struct										
RIVO	RIVO_VALLE	21.751	Lat Struct										
RIVO	RIVO_VALLE	21.750*	Max WS	22.03	116.13	119.64		119.74	0.000753	1.46	23.12	18.84	0.26
RIVO	RIVO_VALLE	21.500*	Max WS	21.89	116.27	119.62		119.74	0.001057	1.72	19.23	11.53	0.31
RIVO	RIVO_VALLE	21.250*	Max WS	21.76	116.42	119.60		119.75	0.001442	1.98	17.16	8.77	0.36
RIVO	RIVO_VALLE	21	Max WS	21.69	116.52	119.56		119.76	0.002208	2.41	15.05	7.69	0.45
RIVO	RIVO_VALLE	20.875*	Max WS	21.66	116.52	119.54		119.76	0.002392	2.50	14.79	7.80	0.47
RIVO	RIVO_VALLE	20.750*	Max WS	21.61	116.51	119.53		119.75	0.002576	2.60	14.59	7.92	0.48
RIVO	RIVO_VALLE	20.627	Lat Struct										
RIVO	RIVO_VALLE	20.626	Lat Struct										
RIVO	RIVO_VALLE	20.625*	Max WS	21.47	116.50	119.51		119.75	0.002731	2.68	14.44	8.03	0.50
RIVO	RIVO_VALLE	20.500*	Max WS	21.30	116.50	119.50		119.74	0.002870	2.75	14.34	8.15	0.51
RIVO	RIVO_VALLE	20.375*	Max WS	20.98	116.49	119.49		119.73	0.002937	2.79	14.35	8.28	0.52
RIVO	RIVO_VALLE	20.250*	Max WS	20.66	116.49	119.49		119.72	0.002982	2.81	14.40	8.41	0.52
RIVO	RIVO_VALLE	20.125*	Max WS	20.35	116.49	119.48		119.71	0.003016	2.84	14.51	8.54	0.53
RIVO	RIVO_VALLE	20	Max WS	20.08	116.48	119.48		119.69	0.003039	2.86	14.67	8.67	0.53
RIVO	RIVO_VALLE	19.803	Lat Struct										
RIVO	RIVO_VALLE	19.801	Lat Struct										
RIVO	RIVO_VALLE	19.800*	Max WS	19.83	116.42	119.47		119.68	0.002763	2.75	14.66	8.56	0.50
RIVO	RIVO_VALLE	19.605	Lat Struct										
RIVO	RIVO_VALLE	19.600*	Max WS	19.65	116.37	119.46		119.67	0.002571	2.67	14.64	8.70	0.49
RIVO	RIVO_VALLE	19.400*	Max WS	19.50	116.31	119.45		119.66	0.002368	2.59	14.68	8.82	0.47
RIVO	RIVO_VALLE	19.205	Lat Struct										
RIVO	RIVO_VALLE	19.200*	Max WS	19.26	116.26	119.44		119.65	0.002125	2.48	14.80	8.94	0.45
RIVO	RIVO_VALLE	19	Max WS	18.96	116.20	119.44		119.63	0.001876	2.35	14.99	9.07	0.42
RIVO	RIVO_VALLE	18.500*	Max WS	18.75	116.09	119.45		119.61	0.001322	2.02	15.48	8.44	0.35
RIVO	RIVO_VALLE	18.3	Lat Struct										
RIVO	RIVO_VALLE	18.2	Lat Struct										
RIVO	RIVO_VALLE	18	Max WS	18.63	115.98	119.45		119.60	0.001010	1.80	15.00	6.48	0.31
RIVO	RIVO_VALLE	17.750*	Max WS	18.67	115.98	119.45		119.60	0.001015	1.81	15.00	6.48	0.31
RIVO	RIVO_VALLE	17.500*	Max WS	18.71	115.98	119.45		119.60	0.001021	1.81	14.99	6.47	0.31
RIVO	RIVO_VALLE	17.250*	Max WS	18.76	115.98	119.45		119.60	0.001027	1.82	14.98	6.47	0.31
RIVO	RIVO_VALLE	17	Max WS	18.80	115.98	119.45	117.75	119.60	0.001034	1.82	14.97	6.47	0.31
RIVO	RIVO_VALLE	16.50 Ferrovia	Bridge										
RIVO	RIVO_VALLE	16	Max WS	18.83	115.83	118.81		119.08	0.002493	2.57	11.95	6.54	0.48
RIVO	RIVO_VALLE	15.803	Lat Struct										
RIVO	RIVO_VALLE	15.801	Lat Struct										
RIVO	RIVO_VALLE	15.800*	Max WS	18.98	115.75	118.83		119.05	0.002060	2.39	14.18	9.16	0.44
RIVO	RIVO_VALLE	15.600*	Max WS	18.82	115.67	118.83		119.03	0.001889	2.33	15.31	11.79	0.42
RIVO	RIVO_VALLE	15.400*	Max WS	18.51	115.58	118.82		119.03	0.001887	2.36	15.29	14.41	0.42
RIVO	RIVO_VALLE	15.200*	Max WS	18.07	115.50	118.80		119.04	0.001984	2.45	14.05	17.04	0.43
RIVO	RIVO_VALLE	15	Max WS	18.21	115.42	118.76		119.05	0.002241	2.62	11.70	13.84	0.46
RIVO	RIVO_VALLE	14.99	Lat Struct										
RIVO	RIVO_VALLE	14.98	Lat Struct										
RIVO	RIVO_VALLE	14.933*	Max WS	18.25	115.41	118.78		119.03	0.001948	2.46	13.80	17.84	0.43
RIVO	RIVO_VALLE	14.867*	Max WS	18.19	115.40	118.80		119.00	0.001620	2.26	15.95	18.05	0.39
RIVO	RIVO_VALLE	14.800*	Max WS	17.98	115.39	118.82		118.98	0.001331	2.06	17.79	17.24	0.36
RIVO	RIVO_VALLE	14.733*	Max WS	17.88	115.38	118.84		118.97	0.001129	1.91	19.27	16.44	0.33
RIVO	RIVO_VALLE	14.667*	Max WS	17.77	115.36	118.85		118.96	0.000975	1.78	20.43	15.63	0.31
RIVO	RIVO_VALLE	14.600*	Max WS	17.65	115.35	118.86		118.95	0.000859	1.68	21.32	14.83	0.29
RIVO	RIVO_VALLE	14.533*	Max WS	17.53	115.34	118.86		118.95	0.000771	1.60	21.93	14.02	0.27
RIVO	RIVO_VALLE	14.467*	Max WS	17.41	115.33	118.87		118.94	0.000705	1.53	22.29	13.22	0.26
RIVO	RIVO_VALLE	14.400*	Max WS	17.28	115.32	118.87		118.94	0.000658	1.49	22.39	12.41	0.25
RIVO	RIVO_VALLE	14.333*	Max WS	17.16	115.31	118.87		118.94	0.000627	1.46	22.25	11.61	0.25
RIVO	RIVO_VALLE	14.267*	Max WS	17.09	115.29	118.87		118.94	0.000615	1.44	21.86	10.80	0.24
RIVO	RIVO_VALLE	14.200*	Max WS	17.03	115.28	118.87		118.94	0.000617	1.45	21.23	10.00	0.25
RIVO	RIVO_VALLE	14.133*	Max WS	16.97	115.27	118.87		118.94	0.000637	1.48	20.36	9.19	0.25
RIVO	RIVO_VALLE	14.067*	Max WS	16.91	115.26	118.86		118.94	0.000677	1.52	19.26	8.39	0.26
RIVO	RIVO_VALLE	14	Max WS	16.86	115.25	118.85	117.01	118.95	0.000738	1.59	17.91	7.58	0.27
RIVO	RIVO_VALLE	13.50 Str. Di Maratta	Bridge										
RIVO	RIVO_VALLE	13	Max WS	16.86	115.21	117.27		117.84	0.008619	3.58	6.44	4.66	0.82
RIVO	RIVO_VALLE	12.99	Lat Struct										
RIVO	RIVO_VALLE	12.98	Lat Struct										
RIVO	RIVO_VALLE	12.967*	Max WS	16.86	115.20	117.26		117.83	0.008647	3.59	6.44	4.66	0.82
RIVO	RIVO_VALLE	12.933*	Max WS	16.86	115.19	117.26		117.82	0.008662	3.60	6.45	4.67	0.82
RIVO	RIVO_VALLE	12.900*	Max WS	16.86	115.18	117.25		117.82	0.008691	3.61	6.45	4.68	0.82
RIVO	RIVO_VALLE	12.867*	Max WS	16.86	115.17	117.24		117.81	0.008721	3.62	6.46	4.69	0.82
RIVO	RIVO_VALLE	12.833*	Max WS	16.86	115.16	117.23		117.80	0.008745	3.63	6.46	4.70	0.83
RIVO	RIVO_VALLE	12.800*	Max WS	16.86	115.15	117.22		117.80	0.008783	3.65	6.47	4.70	0.83
RIVO	RIVO_VALLE	12.767*	Max WS	16.86	115.14	117.21		117.79	0.008816	3.66	6.47	4.71	0.83
RIVO	RIVO_VALLE	12.733*	Max WS	16.86	115.13	117.20		117.78	0.008842	3.67	6.47	4.72	0.83
RIVO	RIVO_VALLE	12.700*	Max WS	16.86	115.12	117.19		117.78	0.008884	3.68	6.48	4.73	0.83
RIVO	RIVO_VALLE	12.667*	Max WS	16.86	115.11	117.18		117.77	0.008927	3.70	6.48	4.73	0.84
RIVO	RIVO_VALLE	12.633*	Max WS	16.86	115.10	117.17		117.76	0.008959	3.71	6.48	4.74	0.84
RIVO	RIVO_VALLE	12.600*	Max WS	16.86	115.09	117.17		117.76	0.009003	3.73	6.48	4.75	0.84
RIVO	RIVO_VALLE	12.567*	Max WS	16.86	115.08	117.16		117.75	0.009054	3.74	6.48	4.76	0.84
RIVO	RIVO_VALLE	12.533*	Max WS	16.86	115.07	117.15		117.74	0.009086	3.75	6.49	4.76	0.85
RIVO	RIVO_VALLE	12.500*	Max WS	16.86	115.06	117.14		117.74	0.009140	3.77	6.49	4.77	0.85
RIVO	RIVO_VALLE	12.467*	Max WS	16.86	115.05	117.13	116.99	117.73	0.009199	3.79	6.49	4.78	0.85
RIVO	RIVO_VALLE	12.433*	Max WS	16.86	115.04	117.12	116.98	117.72	0.009241	3.80	6.49	4.78	0.86
RIVO	RIVO_VALLE	12.400*	Max WS	16.86	115.03	117.11	116.97	117.72	0.009298	3.82	6.49	4.79	0.86
RIVO	RIVO_VALLE	12.367*	Max WS	16.86	115.02	117.10	116.97	117.71	0.009369	3.84	6.49	4.80	0.86
RIVO	RIVO_VALLE	12.333*	Max WS	16.86	115.01	117.09	116.96	117.70	0.009415	3.85	6.49	4.81	0.87
RIVO	RIVO_VALLE	12.300*	Max WS	16.86	115.00	117.08	116.96	117.70	0.009489	3.87	6.48	4.81	0.87
RIVO	RIVO_VALLE	12.267*	Max WS	16.86	114.99	117.07	116.95	117.69	0.009559	3.89	6.48	4.82	0.87
RIVO	RIVO_VALLE	12.233*	Max WS	16.86	114.98	117.06	116.95	117.68	0.009616	3.90	6.48	4.82	0.88
RIVO	RIVO_VALLE	12.200*	Max WS	16.86	114.97	117.05	116.94	117.68	0.009695	3.92	6.48	4.83	0.88
RIVO	RIVO_VALLE	12.167*	Max WS	16.86	114.96	117.04	116.94	117.67	0.009780	3.94	6.47	4.83	0.88
RIVO	RIVO_VALLE	12.133*	Max WS	16.86	114.95	117.03	116.93	117.66	0.009851	3.96	6.47	4.84	0.89
RIVO	RIVO_VALLE	12.100*	Max WS	16.86	114.94	117.02	116.93	117.66	0.009939	3.98	6.46	4.85	0.89
RIVO	RIVO_VALLE	12.067*	Max WS	16.86	114.93	117.01	116.92	117.65	0.01				

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_VALLE	11.944*	Max WS	16.86	114.81	116.89	116.81	117.53	0.010191	4.04	6.47	4.89	0.90
RIVO	RIVO_VALLE	11.917*	Max WS	16.86	114.76	116.84	116.76	117.48	0.010184	4.04	6.49	4.91	0.90
RIVO	RIVO_VALLE	11.889*	Max WS	16.86	114.71	116.79	116.71	117.43	0.010171	4.04	6.50	4.93	0.90
RIVO	RIVO_VALLE	11.861*	Max WS	16.86	114.66	116.74	116.66	117.37	0.010150	4.03	6.52	4.94	0.90
RIVO	RIVO_VALLE	11.833*	Max WS	16.86	114.61	116.69	116.60	117.32	0.010108	4.02	6.54	4.96	0.90
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	16.85	114.56	116.64	116.55	117.27	0.010092	4.02	6.55	4.98	0.90
RIVO	RIVO_VALLE	11.778*	Max WS	16.85	114.51	116.59	116.50	117.22	0.010052	4.01	6.58	5.00	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	16.85	114.46	116.54	116.45	117.16	0.010004	4.01	6.60	5.02	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	16.85	114.41	116.49	116.40	117.11	0.009969	4.00	6.62	5.04	0.89
RIVO	RIVO_VALLE	11.694*	Max WS	16.85	114.36	116.44	116.35	117.06	0.009904	3.99	6.65	5.07	0.89
RIVO	RIVO_VALLE	11.667*	Max WS	16.85	114.31	116.39	116.30	117.01	0.009850	3.98	6.68	5.09	0.89
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	16.85	114.26	116.34	116.24	116.95	0.009761	3.97	6.71	5.11	0.89
RIVO	RIVO_VALLE	11.611*	Max WS	16.85	114.21	116.30	116.19	116.90	0.009676	3.95	6.75	5.14	0.88
RIVO	RIVO_VALLE	11.583*	Max WS	16.85	114.16	116.25	116.14	116.85	0.009577	3.94	6.79	5.17	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	16.85	114.11	116.21	116.09	116.80	0.009463	3.92	6.83	5.20	0.87
RIVO	RIVO_VALLE	11.528*	Max WS	16.85	114.05	116.16		116.74	0.009323	3.90	6.88	5.23	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	16.85	114.01	116.12		116.69	0.009184	3.88	6.94	5.27	0.86
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	16.85	113.96	116.08		116.64	0.009018	3.85	7.00	5.30	0.85
RIVO	RIVO_VALLE	11.444*	Max WS	16.85	113.90	116.03		116.59	0.008833	3.82	7.07	5.34	0.84
RIVO	RIVO_VALLE	11.417*	Max WS	16.85	113.85	115.99		116.54	0.008687	3.80	7.14	5.43	0.84
RIVO	RIVO_VALLE	11.389*	Max WS	16.85	113.80	115.95		116.50	0.008608	3.80	7.21	5.67	0.84
RIVO	RIVO_VALLE	11.361*	Max WS	16.85	113.75	115.91		116.45	0.008470	3.78	7.30	5.87	0.83
RIVO	RIVO_VALLE	11.333*	Max WS	16.85	113.70	115.88		116.40	0.008184	3.73	7.42	5.89	0.82
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	16.85	113.65	115.84		116.35	0.007896	3.68	7.54	5.92	0.80
RIVO	RIVO_VALLE	11.278*	Max WS	16.85	113.60	115.81		116.30	0.007563	3.62	7.69	5.95	0.79
RIVO	RIVO_VALLE	11.250*	Max WS	16.85	113.55	115.78		116.25	0.007210	3.56	7.85	5.98	0.77
RIVO	RIVO_VALLE	11.222*	Max WS	16.85	113.50	115.76		116.20	0.006865	3.50	8.03	6.01	0.75
RIVO	RIVO_VALLE	11.194*	Max WS	16.85	113.45	115.73		116.16	0.006493	3.43	8.22	6.05	0.73
RIVO	RIVO_VALLE	11.167*	Max WS	16.85	113.40	115.71		116.12	0.006120	3.36	8.43	6.06	0.71
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	16.84	113.35	115.70		116.08	0.005725	3.28	8.66	6.05	0.69
RIVO	RIVO_VALLE	11.111*	Max WS	16.83	113.30	115.68		116.04	0.005343	3.20	8.90	6.04	0.67
RIVO	RIVO_VALLE	11.083*	Max WS	16.80	113.25	115.67		116.01	0.004964	3.12	9.15	6.03	0.65
RIVO	RIVO_VALLE	11.056*	Max WS	16.74	113.20	115.66		115.98	0.004585	3.03	9.43	6.02	0.62
RIVO	RIVO_VALLE	11.028*	Max WS	16.65	113.15	115.65		115.95	0.004196	2.94	9.72	6.01	0.60
RIVO	RIVO_VALLE	11	Max WS	16.72	113.10	115.64		115.92	0.003975	2.89	9.97	6.00	0.58
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	16.73	113.04	115.64		115.89	0.003431	2.73	10.67	6.45	0.55
RIVO	RIVO_VALLE	10.667*	Max WS	16.54	112.97	115.65		115.87	0.002811	2.53	11.56	6.89	0.50
RIVO	RIVO_VALLE	10.500*	Max WS	16.22	112.89	115.67		115.84	0.002239	2.31	12.60	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	15.72	112.81	115.69		115.83	0.001722	2.07	13.79	7.79	0.39
RIVO	RIVO_VALLE	10.167*	Max WS	14.92	112.73	115.71		115.81	0.001264	1.81	15.13	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	13.91	112.65	115.73	114.63	115.80	0.000895	1.56	16.58	8.68	0.29
RIVO	RIVO_VALLE	9.50	Inizio Tratto In	Bridge									
RIVO	RIVO_VALLE	9	Max WS	13.72	112.24	114.21		114.84	0.008075	3.51	3.92	5.17	0.80
RIVO	RIVO_VALLE	8.9474*	Max WS	13.62	112.19	114.21		114.48	0.003917	2.48	7.22	5.38	0.56
RIVO	RIVO_VALLE	8.8947*	Max WS	13.62	112.14	114.21		114.47	0.003753	2.46	7.38	5.47	0.55
RIVO	RIVO_VALLE	8.8421*	Max WS	13.62	112.09	114.21		114.47	0.003568	2.43	7.56	5.48	0.54
RIVO	RIVO_VALLE	8.7895*	Max WS	13.61	112.04	114.21		114.46	0.003398	2.41	7.74	5.48	0.53
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	13.60	112.00	114.21		114.46	0.003248	2.38	7.91	5.49	0.51
RIVO	RIVO_VALLE	8.6842*	Max WS	13.61	111.95	114.21		114.45	0.003114	2.36	8.09	5.49	0.50
RIVO	RIVO_VALLE	8.6316*	Max WS	13.61	111.90	114.22		114.45	0.002994	2.34	8.27	5.50	0.50
RIVO	RIVO_VALLE	8.5789*	Max WS	13.61	111.85	114.22		114.45	0.002882	2.32	8.46	5.50	0.49
RIVO	RIVO_VALLE	8.5263*	Max WS	13.62	111.80	114.22		114.44	0.002786	2.31	8.63	5.51	0.48
RIVO	RIVO_VALLE	8.4737*	Max WS	13.63	111.75	114.22		114.44	0.002695	2.29	8.82	5.51	0.47
RIVO	RIVO_VALLE	8.4211*	Max WS	13.63	111.70	114.22		114.43	0.002616	2.27	9.00	5.52	0.46
RIVO	RIVO_VALLE	8.3684*	Max WS	13.64	111.65	114.22		114.43	0.002542	2.26	9.18	5.52	0.46
RIVO	RIVO_VALLE	8.3158*	Max WS	13.66	111.60	114.22		114.43	0.002478	2.25	9.36	5.53	0.45
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	13.67	111.56	114.22		114.42	0.002426	2.24	9.54	5.53	0.44
RIVO	RIVO_VALLE	8.2105*	Max WS	13.68	111.51	114.23		114.42	0.002371	2.22	9.73	5.54	0.44
RIVO	RIVO_VALLE	8.1579*	Max WS	13.69	111.46	114.23		114.42	0.002326	2.21	9.91	5.54	0.43
RIVO	RIVO_VALLE	8.1053*	Max WS	13.70	111.41	114.23		114.41	0.002285	2.20	10.09	5.55	0.43
RIVO	RIVO_VALLE	8.0526*	Max WS	13.57	111.36	114.23		114.41	0.002201	2.17	10.28	5.55	0.42
RIVO	RIVO_VALLE	8	Max WS	13.55	111.31	114.23		114.40	0.002160	2.16	10.48	5.56	0.41
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	13.44	111.21	114.25		114.39	0.002371	2.08	11.07	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	13.41	111.11	114.24		114.38	0.003404	2.15	10.54	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	13.73	111.07	114.22		114.37	0.003325	2.17	10.73	7.09	0.40
RIVO	RIVO_VALLE	7.7484*	Max WS	13.88	111.03	114.20		114.35	0.003148	2.16	10.95	7.14	0.39
RIVO	RIVO_VALLE	7.7226*	Max WS	13.93	111.00	114.18		114.33	0.002924	2.13	11.20	7.20	0.39
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	13.84	110.96	114.17		114.31	0.002636	2.07	11.49	7.25	0.37
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	13.72	110.92	114.17		114.30	0.002364	2.01	11.81	7.30	0.36
RIVO	RIVO_VALLE	7.6452*	Max WS	13.60	110.88	114.16		114.29	0.002117	1.94	12.14	7.36	0.35
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	13.62	110.84	114.16		114.28	0.001943	1.91	12.46	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	13.64	110.80	114.15		114.26	0.001791	1.87	12.78	7.48	0.33
RIVO	RIVO_VALLE	7.5677*	Max WS	13.72	110.77	114.14		114.25	0.001656	1.84	13.12	7.53	0.32
RIVO	RIVO_VALLE	7.5419*	Max WS	13.69	110.73	114.14		114.25	0.001509	1.79	13.48	7.59	0.31
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	13.65	110.69	114.13		114.24	0.001370	1.75	13.85	7.64	0.30
RIVO	RIVO_VALLE	7.4903*	Max WS	13.67	110.65	114.13		114.23	0.001259	1.71	14.22	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	13.77	110.61	114.12		114.22	0.001176	1.68	14.58	7.75	0.29
RIVO	RIVO_VALLE	7.4387*	Max WS	13.80	110.57	114.12		114.21	0.001083	1.65	14.97	7.81	0.28
RIVO	RIVO_VALLE	7.4129*											

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
RIVO	RIVO_VALLE	7.3355*	Max WS	13.61	110.41	114.12		114.19	0.000752	1.48	16.63	8.03	0.25
RIVO	RIVO_VALLE	7.3098	Lat Struct										
RIVO	RIVO_VALLE	7.3097*	Max WS	13.60	110.37	114.11		114.19	0.000692	1.45	17.05	8.09	0.24
RIVO	RIVO_VALLE	7.2839*	Max WS	13.59	110.33	114.11		114.18	0.000638	1.42	17.49	8.14	0.23
RIVO	RIVO_VALLE	7.2581*	Max WS	13.58	110.29	114.11		114.18	0.000589	1.38	17.93	8.20	0.23
RIVO	RIVO_VALLE	7.2323*	Max WS	13.58	110.25	114.11		114.17	0.000544	1.35	18.38	8.22	0.22
RIVO	RIVO_VALLE	7.2085*	Max WS	13.58	110.21	114.11		114.17	0.000504	1.32	18.84	8.27	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	13.58	110.18	114.11		114.17	0.000468	1.29	19.30	8.32	0.21
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	13.58	110.13	114.11		114.16	0.000435	1.26	19.77	8.38	0.20
RIVO	RIVO_VALLE	7.1290*	Max WS	13.58	110.10	114.11		114.16	0.000405	1.24	20.24	8.43	0.20
RIVO	RIVO_VALLE	7.1032*	Max WS	13.58	110.06	114.11		114.16	0.000378	1.21	20.73	8.48	0.19
RIVO	RIVO_VALLE	7.0774*	Max WS	13.57	110.02	114.11		114.15	0.000353	1.18	21.21	8.54	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	13.56	109.98	114.11		114.15	0.000330	1.15	21.71	8.59	0.18
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	13.55	109.94	114.11		114.15	0.000309	1.13	22.21	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	13.53	109.89	114.11		114.15	0.000290	1.10	22.72	8.69	0.17
RIVO	RIVO_VALLE	6.5000*	Max WS	13.51	109.88	114.10		114.15	0.000280	1.05	21.70	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	13.50	109.83	114.03	111.66	114.17	0.000771	1.67	8.06	7.58	0.27
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.75	108.99	111.71		111.74	0.000198	0.69	5.47	5.76	0.13
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.73	108.98	111.72		111.73	0.000127	0.55	8.89	6.50	0.11
RIVO	RIVO_VALLE	4	Max WS	3.71	108.96	111.72		111.73	0.000129	0.55	8.87	7.33	0.11
RIVO	RIVO_VALLE	3	Max WS	3.71	107.85	111.72		111.73	0.000048	0.43	11.48	7.59	0.07
RIVO	RIVO_VALLE	2.7500*	Max WS	3.79	107.72	111.72		111.73	0.000046	0.42	12.98	6.35	0.07
RIVO	RIVO_VALLE	2.5000*	Max WS	3.78	107.58	111.72		111.73	0.000040	0.41	14.96	7.29	0.06
RIVO	RIVO_VALLE	2.2500*	Max WS	3.77	107.45	111.72		111.73	0.000037	0.40	16.45	8.14	0.06
RIVO	RIVO_VALLE	2	Max WS	3.77	107.31	111.72		111.73	0.000035	0.39	17.48	8.96	0.06
RIVO	RIVO_VALLE	1.8889*	Max WS	3.76	107.22	111.72		111.72	0.000017	0.27	24.49	12.95	0.04
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.75	107.13	111.72		111.72	0.000009	0.20	33.90	16.97	0.03
RIVO	RIVO_VALLE	1.6667*	Max WS	3.74	107.04	111.72		111.72	0.000005	0.15	45.70	21.02	0.02
RIVO	RIVO_VALLE	1.5556*	Max WS	3.73	106.95	111.72		111.72	0.000003	0.11	59.93	25.08	0.02
RIVO	RIVO_VALLE	1.4444*	Max WS	3.73	106.85	111.72		111.72	0.000002	0.08	76.57	29.16	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	3.72	106.76	111.72		111.72	0.000001	0.07	96.65	33.22	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	3.87	106.67	111.72		111.72	0.000001	0.05	117.15	37.32	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	3.87	106.58	111.72		111.72	0.000000	0.04	141.06	41.45	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	111.72	107.02	111.72	0.000000	0.03	167.43	45.59	0.00
CALCINARE	CALCINARE	39	Max WS	19.32	184.17	185.37	185.56	186.24	0.058019	4.15	4.83	4.82	1.29
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.32	183.87	185.10	185.28	185.92	0.053043	4.04	5.02	4.96	1.24
CALCINARE	CALCINARE	38.929*	Max WS	21.46	183.57	184.82	185.08	185.79	0.061449	4.42	5.17	5.09	1.34
CALCINARE	CALCINARE	38.893*	Max WS	21.46	183.27	184.51	184.80	185.49	0.061353	4.42	5.21	5.20	1.34
CALCINARE	CALCINARE	38.857*	Max WS	21.45	182.97	184.21	184.39	185.19	0.061464	4.43	5.24	5.31	1.34
CALCINARE	CALCINARE	38.821*	Max WS	21.45	182.67	183.91	184.14	184.88	0.061491	4.44	5.28	5.40	1.34
CALCINARE	CALCINARE	38.786*	Max WS	21.44	182.37	183.61	183.86	184.58	0.061448	4.45	5.31	5.48	1.34
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	21.43	182.08	183.31	183.57	184.28	0.061342	4.45	5.34	5.57	1.34
CALCINARE	CALCINARE	38.714*	Max WS	21.43	181.78	183.01	183.26	183.97	0.061396	4.46	5.37	5.64	1.34
CALCINARE	CALCINARE	38.679*	Max WS	21.43	181.48	182.71	182.96	183.67	0.061244	4.47	5.40	5.71	1.34
CALCINARE	CALCINARE	38.643*	Max WS	21.43	181.18	182.41	182.66	183.37	0.061193	4.47	5.42	5.78	1.34
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	21.43	180.88	182.11	182.36	183.07	0.061291	4.49	5.45	5.84	1.34
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	21.42	180.58	181.81	182.06	182.76	0.061252	4.49	5.47	5.90	1.34
CALCINARE	CALCINARE	38.536*	Max WS	21.42	180.28	181.51	181.76	182.46	0.061290	4.50	5.49	5.96	1.34
CALCINARE	CALCINARE	38.500*	Max WS	21.42	179.98	181.21	181.47	182.16	0.061140	4.51	5.52	6.01	1.34
CALCINARE	CALCINARE	38.464*	Max WS	21.41	179.68	180.91	181.17	181.86	0.061128	4.52	5.54	6.06	1.34
CALCINARE	CALCINARE	38.429*	Max WS	21.41	179.38	180.61	180.87	181.56	0.060996	4.53	5.56	6.11	1.34
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	21.41	179.08	180.31	180.57	181.25	0.060662	4.53	5.60	6.16	1.34
CALCINARE	CALCINARE	38.357*	Max WS	21.41	178.78	180.01	180.27	180.95	0.060131	4.53	5.63	6.21	1.34
CALCINARE	CALCINARE	38.321*	Max WS	21.41	178.48	179.72	179.97	180.64	0.058636	4.50	5.71	6.27	1.32
CALCINARE	CALCINARE	38.286*	Max WS	21.40	178.18	179.44	179.67	180.32	0.055004	4.42	5.86	6.37	1.29
CALCINARE	CALCINARE	38.250*	Max WS	21.40	177.88	179.19	179.37	179.99	0.047633	4.23	6.19	6.53	1.21
CALCINARE	CALCINARE	38.214*	Max WS	21.38	177.59	178.98	179.07	179.65	0.036653	3.90	6.84	6.82	1.07
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	21.38	177.29	178.63	178.77	179.35	0.024928	3.45	7.91	7.26	0.90
CALCINARE	CALCINARE	38.143*	Max WS	21.36	176.99	178.73		179.10	0.015577	2.97	9.46	7.85	0.73
CALCINARE	CALCINARE	38.107*	Max WS	21.32	176.69	178.73		178.97	0.008403	2.43	11.98	8.73	0.55
CALCINARE	CALCINARE	38.071*	Max WS	21.32	176.39	178.76		178.91	0.004681	2.01	14.98	9.31	0.42
CALCINARE	CALCINARE	38.036*	Max WS	21.34	176.09	178.76		178.89	0.003182	1.80	18.33	13.90	0.35
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	21.38	175.79	178.78		178.86	0.001995	1.54	23.63	19.80	0.28
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	21.25	175.36	178.77		178.85	0.001579	1.50	24.74	15.27	0.26
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	20.97	174.92	178.76		178.85	0.001506	1.58	22.71	10.74	0.26
CALCINARE	CALCINARE	37	Max WS	20.22	174.49	178.74		178.86	0.001712	1.80	17.64	6.21	0.28
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	20.22	174.02	175.68	175.65	176.44	0.028346	3.86	5.41	3.48	0.97
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	20.29	173.88	175.54	175.63	176.42	0.033093	4.20	5.27	3.75	1.05
CALCINARE	CALCINARE	35.333*	Max WS	20.36	173.73	175.38	175.58	176.37	0.039463	4.57	5.20	4.23	1.14
CALCINARE	CALCINARE	35	Max WS	20.41	173.55	175.17	175.40	176.28	0.048939	4.99	5.12	4.58	1.27
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	20.45	173.33	174.95	175.22	176.04	0.046154	4.85	5.10	4.41	1.23
CALCINARE	CALCINARE	34.800*	Max WS	20.47	173.11	174.75	174.97	175.76	0.041055	4.62	5		

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
CALCINARE	CALCINARE	34.400*	Max WS	20.45	172.24	174.26		174.73	0.013725	3.09	7.23	4.32	0.70
CALCINARE	CALCINARE	34.302	Lat Struct										
CALCINARE	CALCINARE	34.300*	Max WS	20.42	172.02	174.25		174.61	0.008889	2.66	8.35	5.60	0.57
CALCINARE	CALCINARE	34.200*	Max WS	20.17	171.81	174.26		174.52	0.005575	2.25	9.78	5.58	0.46
CALCINARE	CALCINARE	34.100*	Max WS	20.32	171.58	174.29		174.49	0.003751	1.97	11.05	4.88	0.38
CALCINARE	CALCINARE	34.009	Lat Struct										
CALCINARE	CALCINARE	34	Max WS	20.59	171.36	174.31		174.47	0.002683	1.77	12.00	4.18	0.33
CALCINARE	CALCINARE	33.750*	Max WS	20.68	171.05	174.35		174.46	0.001711	1.50	14.48	4.64	0.27
CALCINARE	CALCINARE	33.500*	Max WS	20.82	170.74	174.37		174.46	0.001157	1.30	17.11	5.11	0.22
CALCINARE	CALCINARE	33.255	Lat Struct										
CALCINARE	CALCINARE	33.250*	Max WS	20.65	170.43	174.39		174.46	0.000786	1.12	19.92	5.57	0.18
CALCINARE	CALCINARE	33	Max WS	19.51	170.12	174.41	171.71	174.46	0.000499	0.93	22.94	6.03	0.15
CALCINARE	CALCINARE	32.50 Ponte su Ferrov	Bridge										
CALCINARE	CALCINARE	32	Max WS	19.51	169.93	171.54		172.15	0.026891	3.56	5.73	19.03	0.93
CALCINARE	CALCINARE	31.670	Lat Struct										
CALCINARE	CALCINARE	31.669	Lat Struct										
CALCINARE	CALCINARE	31.667*	Max WS	19.45	169.77	171.45		171.74	0.016487	2.85	10.85	14.31	0.73
CALCINARE	CALCINARE	31.335	Lat Struct										
CALCINARE	CALCINARE	31.333*	Max WS	19.38	169.61	171.37	171.09	171.84	0.023717	3.49	8.27	9.58	0.87
CALCINARE	CALCINARE	31	Max WS	19.33	169.45	171.23	171.44	172.19	0.044539	4.72	5.40	4.79	1.18
CALCINARE	CALCINARE	30.933*	Max WS	19.30	169.21	171.01	171.22	171.97	0.044512	4.75	5.42	4.80	1.18
CALCINARE	CALCINARE	30.867*	Max WS	19.27	168.98	170.79	171.00	171.75	0.044568	4.78	5.45	4.81	1.19
CALCINARE	CALCINARE	30.800*	Max WS	19.18	168.74	170.57	170.78	171.53	0.044397	4.80	5.47	4.82	1.18
CALCINARE	CALCINARE	30.735	Lat Struct										
CALCINARE	CALCINARE	30.733*	Max WS	19.09	168.51	170.35	170.56	171.30	0.044341	4.82	5.49	4.82	1.18
CALCINARE	CALCINARE	30.669	Lat Struct										
CALCINARE	CALCINARE	30.667*	Max WS	19.00	168.27	170.14	170.34	171.08	0.043958	4.82	5.53	4.83	1.18
CALCINARE	CALCINARE	30.600*	Max WS	18.89	168.03	169.92	170.13	170.85	0.043725	4.83	5.56	4.84	1.17
CALCINARE	CALCINARE	30.533*	Max WS	18.78	167.80	169.71	169.89	170.62	0.043283	4.83	5.61	4.85	1.16
CALCINARE	CALCINARE	30.467*	Max WS	18.60	167.56	169.50	169.66	170.38	0.042375	4.81	5.67	4.86	1.15
CALCINARE	CALCINARE	30.400*	Max WS	18.50	167.33	169.29	169.43	170.15	0.041469	4.78	5.75	4.88	1.13
CALCINARE	CALCINARE	30.335	Lat Struct										
CALCINARE	CALCINARE	30.333*	Max WS	18.69	167.09	169.09	169.22	169.94	0.041879	4.83	5.84	4.90	1.13
CALCINARE	CALCINARE	30.269	Lat Struct										
CALCINARE	CALCINARE	30.267*	Max WS	18.96	166.85	168.88	169.01	169.74	0.042805	4.90	5.92	4.92	1.14
CALCINARE	CALCINARE	30.200*	Max WS	19.23	166.62	168.67	168.78	169.54	0.044965	5.01	5.95	4.93	1.16
CALCINARE	CALCINARE	30.133*	Max WS	19.31	166.38	168.44	168.55	169.32	0.047214	5.10	5.94	4.92	1.18
CALCINARE	CALCINARE	30.067*	Max WS	19.28	166.15	168.20	168.33	169.10	0.050690	5.21	5.85	4.89	1.21
CALCINARE	CALCINARE	30	Max WS	19.19	165.91	167.94	168.12	168.88	0.057313	5.41	5.64	4.82	1.26
CALCINARE	CALCINARE	29.752	Lat Struct										
CALCINARE	CALCINARE	29.750*	Max WS	19.24	165.69	167.71	167.81	168.58	0.040328	4.74	5.89	4.84	1.11
CALCINARE	CALCINARE	29.505	Lat Struct										
CALCINARE	CALCINARE	29.500*	Max WS	19.30	165.48	167.56	167.50	168.23	0.025863	3.94	6.56	5.07	0.91
CALCINARE	CALCINARE	29.250*	Max WS	19.32	165.26	167.46		167.93	0.015528	3.20	7.49	4.85	0.72
CALCINARE	CALCINARE	29	Max WS	19.17	165.04	167.48	166.76	167.78	0.007987	2.48	8.84	4.50	0.53
CALCINARE	CALCINARE	28.50 Ponte su Via del	Bridge										
CALCINARE	CALCINARE	28	Max WS	19.17	164.89	166.17	166.41	167.19	0.055811	4.57	4.58	4.10	1.30
CALCINARE	CALCINARE	27.508	Lat Struct										
CALCINARE	CALCINARE	27.505	Lat Struct										
CALCINARE	CALCINARE	27.500*	Max WS	19.27	164.44	165.98	166.26	166.95	0.045964	4.62	5.22	4.94	1.21
CALCINARE	CALCINARE	27.01	Lat Struct										
CALCINARE	CALCINARE	27	Max WS	19.27	163.99	165.81	166.07	166.88	0.045973	5.04	5.27	4.50	1.23
CALCINARE	CALCINARE	26.967*	Max WS	19.26	163.78	165.58	165.84	166.65	0.045864	5.03	5.27	4.52	1.23
CALCINARE	CALCINARE	26.933*	Max WS	19.26	163.57	165.36	165.62	166.42	0.045903	5.02	5.27	4.53	1.23
CALCINARE	CALCINARE	26.900*	Max WS	19.25	163.36	165.13	165.39	166.19	0.045813	5.00	5.27	4.55	1.23
CALCINARE	CALCINARE	26.867*	Max WS	19.25	163.15	164.91	165.16	165.96	0.045812	4.98	5.27	4.56	1.23
CALCINARE	CALCINARE	26.835	Lat Struct										
CALCINARE	CALCINARE	26.833*	Max WS	19.25	162.93	164.68	164.94	165.73	0.045830	4.97	5.28	4.58	1.23
CALCINARE	CALCINARE	26.802	Lat Struct										
CALCINARE	CALCINARE	26.800*	Max WS	19.25	162.72	164.46	164.71	165.50	0.045788	4.96	5.28	4.59	1.23
CALCINARE	CALCINARE	26.767*	Max WS	19.24	162.51	164.23	164.48	165.27	0.045759	4.94	5.29	4.61	1.23
CALCINARE	CALCINARE	26.733*	Max WS	19.24	162.30	164.01	164.26	165.04	0.045671	4.92	5.29	4.63	1.23
CALCINARE	CALCINARE	26.700*	Max WS	19.24	162.09	163.78	164.03	164.81	0.045615	4.91	5.30	4.65	1.23
CALCINARE	CALCINARE	26.667*	Max WS	19.24	161.88	163.56	163.80	164.58	0.045666	4.89	5.30	4.67	1.23
CALCINARE	CALCINARE	26.634	Lat Struct										
CALCINARE	CALCINARE	26.633*	Max WS	19.24	161.67	163.34	163.58	164.35	0.045612	4.88	5.31	4.69	1.23
CALCINARE	CALCINARE	26.602	Lat Struct										
CALCINARE	CALCINARE	26.600*	Max WS	19.24	161.45	163.11	163.35	164.12	0.045657	4.86	5.32	4.70	1.23
CALCINARE	CALCINARE	26.567*	Max WS	19.24	161.24	162.89	163.14	163.89	0.045650	4.85	5.32	4.72	1.22
CALCINARE	CALCINARE	26.533*	Max WS	19.24	161.03	162.66	162.90	163.66	0.045621	4.83	5.33	4.75	1.22
CALCINARE	CALCINARE	26.500*	Max WS	19.24	160.82	162.44	162.68	163.43	0.045619	4.82	5.34	4.77	1.22
CALCINARE	CALCINARE	26.467*	Max WS	19.24	160.61	162.22	162.46	163.20	0.045481	4.80	5.35	4.79	1.22
CALCINARE	CALCINARE	26.435	Lat Struct										
CALCINARE	CALCINARE	26.433*	Max WS	19.24	160.40	162.00	162.23	162.97	0.045419	4.78	5.37	4.81	1.22
CALCINARE	CALCINARE	26.431	Lat Struct										
CALCINARE	CALCINARE	26.400*	Max WS	19.24	160.19	161.77	162.00	162.74	0.045449	4.76	5.37	4.84	1.22
CALCINARE	CALCINARE	26.367*	Max WS	19.24	159.97	161.55	161.77	162.52	0.045485	4.75	5.38	4.86	1.22
CALCINARE	CALCINARE	26.333*	Max WS	19.24	159.76	161.33	161.54	162.29	0.045556	4.73	5.39	4.88	1.22
CALCINARE	CALCINARE	26.300*	Max WS	19.24	159.54	161.10	161.25	162.06	0.045471	4.71	5.40	4.91	1.22
CALCINARE	CALCINARE	26.267*	Max WS	19.23	159.32	160.88	161.01	161.83	0.045422	4.70	5.42	4.93	1.22
CALCINARE	CALCINARE	26.235	Lat Struct										
CALCINARE	CALCINARE	26.233*	Max WS	19.23	159.09	160.66	160.78	161.60	0.045283	4.68	5.43	4.96	1.21
CALCINARE	CALCINARE	26.228	Lat Struct										
CALCINARE	CALCINARE	26.200*	Max WS	19.26	158.87	160.44	160.56	161.37	0.045402	4.67	5.45	4.98	1.21
CALCINARE	CALCINARE	26.167*	Max WS	19.31	158.65	160.21	160.33	161.14	0.045598	4.66	5.46	4.98	1.21
CALCINARE	CALCINARE	26.133*	Max WS	19.30	158.43	159.99	160.03	160.91	0.045610	4.64	5.47	4.98	1.21
CALCINARE	CALCINARE	26.100*	Max WS	19.28	158.21	159.77	159.80	160.68	0.045682	4.63	5.47	4.98	1.21
CALCINARE	CALCINARE	26.067*	Max WS	19.28	157.99	159.54	159.78	160.46	0.045844	4.61	5.47	4.97	1.21
CALCINARE	CALCINARE	26.040	Lat Struct										
CALCINARE	CALCINARE	26.033*	Max WS	19.30	157.77	159.32	159.53	160.23	0.046404	4.62	5.46	4.97	1.22
CALCINARE	CALCINARE	26.020	Lat Struct										
CALCINARE	CALCINARE	26	Max WS	19.30	157.55	159.09	159.27	160.00	0.047195	4.62	5.44	4.96	1.23
CALCINARE	CALCINARE	25.971*	Max WS	19.31	157.31	158.85	159.04	159.79	0.047585	4.66	5.39	4.88	1.23
CALCINARE	CALCINARE	25.943*	Max WS	19.31	157.06	158.61	158.82	159.57	0.047956	4.70	5.33	4.80	1.24
CALCINARE	CALCINARE	25.914*	Max WS	19.30	156.82	158.37	158.59	159.36	0.048761	4.75	5.25	4.72	1.25
CALCINARE	CALCINARE	25.886*	Max WS	19.29	156.58	158.12	158.36	159.15	0.050225	4.82	5.15	4.63	1.27
CALCINARE	CALCINARE	25.858	Lat Struct										
CALCINARE	CALCINARE	25.857*	Max WS	19.									

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
CALCINARE	CALCINARE	25.686*	Max WS	19.27	154.88	156.20	156.79	158.17	0.047887	6.42	3.77	3.71	1.82
CALCINARE	CALCINARE	25.680	Lat Struct										
CALCINARE	CALCINARE	25.657*	Max WS	19.27	154.64	155.96	156.56	157.96	0.047908	6.45	3.74	3.64	1.82
CALCINARE	CALCINARE	25.629*	Max WS	19.27	154.39	155.72	156.32	157.74	0.047820	6.47	3.71	3.57	1.82
CALCINARE	CALCINARE	25.600*	Max WS	19.27	154.15	155.48	156.10	157.52	0.047846	6.50	3.67	3.50	1.82
CALCINARE	CALCINARE	25.571*	Max WS	19.27	153.91	155.24	155.87	157.31	0.047890	6.53	3.64	3.43	1.83
CALCINARE	CALCINARE	25.544	Lat Struct										
CALCINARE	CALCINARE	25.543*	Max WS	19.27	153.66	155.00	155.63	157.09	0.047814	6.55	3.60	3.36	1.83
CALCINARE	CALCINARE	25.540	Lat Struct										
CALCINARE	CALCINARE	25.514*	Max WS	19.27	153.42	154.77	155.40	156.87	0.047879	6.58	3.57	3.29	1.83
CALCINARE	CALCINARE	25.486*	Max WS	19.27	153.18	154.53	155.17	156.65	0.047791	6.60	3.54	3.23	1.83
CALCINARE	CALCINARE	25.457*	Max WS	19.27	152.94	154.29	154.94	156.44	0.047835	6.62	3.50	3.16	1.83
CALCINARE	CALCINARE	25.429*	Max WS	19.27	152.69	154.05	154.71	156.22	0.047771	6.64	3.47	3.10	1.83
CALCINARE	CALCINARE	25.402	Lat Struct										
CALCINARE	CALCINARE	25.400*	Max WS	19.27	152.45	153.81	154.47	156.00	0.047730	6.67	3.44	3.04	1.83
CALCINARE	CALCINARE	25.371*	Max WS	19.27	152.21	153.57	154.23	155.78	0.047683	6.69	3.41	2.98	1.83
CALCINARE	CALCINARE	25.369	Lat Struct										
CALCINARE	CALCINARE	25.343*	Max WS	19.27	151.96	153.33	154.00	155.56	0.047436	6.70	3.38	2.92	1.83
CALCINARE	CALCINARE	25.314*	Max WS	19.26	151.71	153.10	153.77	155.33	0.047065	6.71	3.36	2.86	1.83
CALCINARE	CALCINARE	25.286*	Max WS	19.26	151.46	152.86	153.53	155.10	0.046345	6.70	3.35	2.81	1.82
CALCINARE	CALCINARE	25.257*	Max WS	19.26	151.22	152.64	153.30	154.86	0.045315	6.68	3.34	2.75	1.80
CALCINARE	CALCINARE	25.2295	Lat Struct										
CALCINARE	CALCINARE	25.229*	Max WS	19.26	150.97	152.41	153.06	154.60	0.043465	6.62	3.36	2.70	1.77
CALCINARE	CALCINARE	25.225	Lat Struct										
CALCINARE	CALCINARE	25.200*	Max WS	19.26	150.72	152.20	152.83	154.33	0.040753	6.52	3.40	2.66	1.72
CALCINARE	CALCINARE	25.171*	Max WS	19.26	150.47	152.01	152.60	154.02	0.036898	6.35	3.48	2.62	1.64
CALCINARE	CALCINARE	25.143*	Max WS	19.26	150.23	151.84	152.36	153.70	0.031937	6.10	3.61	2.59	1.54
CALCINARE	CALCINARE	25.114*	Max WS	19.26	149.98	151.69	152.13	153.37	0.026512	5.78	3.81	2.57	1.42
CALCINARE	CALCINARE	25.089	Lat Struct										
CALCINARE	CALCINARE	25.086*	Max WS	19.26	149.73	151.57	151.90	153.05	0.021124	5.42	4.07	2.55	1.28
CALCINARE	CALCINARE	25.057*	Max WS	19.26	149.48	151.48	151.67	152.75	0.016424	5.04	4.37	2.53	1.15
CALCINARE	CALCINARE	25.050	Lat Struct										
CALCINARE	CALCINARE	25.029*	Max WS	19.26	149.24	151.41	151.43	152.50	0.012590	4.67	4.73	2.51	1.02
CALCINARE	CALCINARE	25	Max WS	19.25	148.99	151.35	151.20	152.29	0.009634	4.32	5.10	2.48	0.90
CALCINARE	CALCINARE	24.05	Lat Struct										
CALCINARE	CALCINARE	24	Max WS	19.05	148.60	151.33	150.63	151.66	0.003226	2.72	10.73	7.78	0.53
CALCINARE	CALCINARE	23.50 Ponte su Strada	Bridge										
CALCINARE	CALCINARE	23	Max WS	19.05	148.11	149.71	150.35	151.86	0.037954	6.49	2.93	2.69	1.67
CALCINARE	CALCINARE	22.900	Lat Struct										
CALCINARE	CALCINARE	22.668	Lat Struct										
CALCINARE	CALCINARE	22.667*	Max WS	19.05	148.08	149.59	150.07	151.23	0.031096	5.70	3.68	2.79	1.50
CALCINARE	CALCINARE	22.335	Lat Struct										
CALCINARE	CALCINARE	22.333*	Max WS	19.05	148.01	149.48	149.94	151.16	0.034142	5.78	3.63	2.89	1.56
CALCINARE	CALCINARE	22	Max WS	19.05	147.95	149.35	149.85	151.13	0.039355	5.98	3.52	2.98	1.65
CALCINARE	CALCINARE	21.938*	Max WS	19.05	147.75	149.16	149.67	150.96	0.039110	5.98	3.50	2.92	1.65
CALCINARE	CALCINARE	21.875*	Max WS	19.05	147.55	148.98	149.49	150.78	0.038723	5.99	3.47	2.85	1.64
CALCINARE	CALCINARE	21.813*	Max WS	19.05	147.35	148.79	149.32	150.60	0.038160	5.99	3.46	2.79	1.64
CALCINARE	CALCINARE	21.750*	Max WS	19.05	147.16	148.61	149.14	150.42	0.037363	5.99	3.45	2.73	1.62
CALCINARE	CALCINARE	21.690	Lat Struct										
CALCINARE	CALCINARE	21.689	Lat Struct										
CALCINARE	CALCINARE	21.688*	Max WS	19.05	146.96	148.43	148.95	150.23	0.036178	5.96	3.45	2.67	1.60
CALCINARE	CALCINARE	21.625*	Max WS	19.05	146.76	148.26	148.77	150.03	0.034461	5.90	3.47	2.61	1.57
CALCINARE	CALCINARE	21.563*	Max WS	19.04	146.56	148.10	148.58	149.81	0.032215	5.81	3.51	2.55	1.52
CALCINARE	CALCINARE	21.500*	Max WS	19.04	146.36	147.96	148.40	149.59	0.029377	5.68	3.57	2.50	1.46
CALCINARE	CALCINARE	21.438*	Max WS	19.04	146.16	147.82	148.21	149.36	0.026106	5.51	3.67	2.44	1.39
CALCINARE	CALCINARE	21.375*	Max WS	19.04	145.96	147.71	148.03	149.14	0.022589	5.30	3.79	2.39	1.30
CALCINARE	CALCINARE	21.315	Lat Struct										
CALCINARE	CALCINARE	21.314	Lat Struct										
CALCINARE	CALCINARE	21.313*	Max WS	19.04	145.76	147.61	147.85	148.91	0.019066	5.07	3.95	2.34	1.21
CALCINARE	CALCINARE	21.250*	Max WS	19.03	145.56	147.52	147.67	148.70	0.015856	4.82	4.13	2.28	1.12
CALCINARE	CALCINARE	21.188*	Max WS	19.03	145.37	147.45	147.48	148.51	0.013008	4.56	4.34	2.22	1.02
CALCINARE	CALCINARE	21.125*	Max WS	19.03	145.17	147.40	147.30	148.35	0.010640	4.32	4.55	2.16	0.93
CALCINARE	CALCINARE	21.063*	Max WS	19.02	144.97	147.35		148.20	0.008669	4.08	4.76	2.09	0.85
CALCINARE	CALCINARE	21	Max WS	19.00	144.77	147.31		148.07	0.007095	3.86	5.00	2.61	0.78
CALCINARE	CALCINARE	20.335	Lat Struct										
CALCINARE	CALCINARE	20.334	Lat Struct										
CALCINARE	CALCINARE	20.333*	Max WS	18.90	144.63	147.28		147.93	0.005702	3.58	5.76	3.38	0.71
CALCINARE	CALCINARE	19.667*	Max WS	18.76	144.47	147.26	146.56	147.82	0.004606	3.32	6.35	3.06	0.64
CALCINARE	CALCINARE	19.2	Bridge										
CALCINARE	CALCINARE	19	Max WS	18.72	144.28	146.23	146.40	147.42	0.016585	4.84	3.98	2.40	1.14
CALCINARE	CALCINARE	18.752	Lat Struct										
CALCINARE	CALCINARE	18.750*	Max WS	18.79	144.12	146.16	146.38	147.49	0.017229	5.13	3.95	2.16	1.17
CALCINARE	CALCINARE	18.500*	Max WS	18.79	143.95	146.09	146.39	147.62	0.018555	5.52	3.82	2.05	1.22
CALCINARE	CALCINARE	18.250*	Max WS	18.79	143.79	146.01	146.45	147.86	0.021191	6.08	3.60	1.91	1.32
CALCINARE	CALCINARE	18	Max WS	18.78	143.63	145.92	146.58	148.30	0.026141	6.93	3.29	1.74	1.48
CALCINARE	CALCINARE	17.952	Lat Struct										
CALCINARE	CALCINARE	17.950*	Max WS	18.78	143.53	145.79	146.43	148.10	0.025701	6.81	3.31	1.76	1.46
CALCINARE	CALCINARE	17.900*	Max WS	18.78	143.44	145.67	146.27	147.91	0.025298	6.70	3.31	1.77	1.45
CALCINARE	CALCINARE	17.851	Lat Struct										
CALCINARE	CALCINARE	17.850*	Max WS	18.78	143.34	145.55	146.12	147.72	0.024843	6.59	3.33	1.78	1.43
CALCINARE	CALCINARE	17.800*	Max WS	18.77	143.25	145.42	145.97	147.53	0.024383	6.48	3.35	1.79	1.41
CALCINARE	CALCINARE	17.750*	Max WS	18.77	143.15	145.31	145.83	147.34	0.023884	6.37	3.37	1.81	1.40
CALCINARE	CALCINARE	17.700*	Max WS	18.77	143.06	145.19	145.69	147.16	0.023294	6.26	3.40	1.82	1.38
CALCINARE	CALCINARE	17.655	Lat Struct										
CALCINARE	CALCINARE	17.650*	Max WS	18.77	142.96	145.08	145.55	146.98	0.022658	6.14	3.43	1.84	1.36
CALCINARE	CALCINARE	17.600*	Max WS	18.77	142.87	144.97	145.41	146.80	0.021938	6.02	3.47	1.92	1.33
CALCINARE	CALCINARE	17.551	Lat Struct										
CALCINARE	CALCINARE	17.550*	Max WS	18.76	142.77	144.86	145.27	146.62	0.021158	5.90	3.51	1.95	1.31
CALCINARE	CALCINARE	17.500*	Max WS	18.74	142.68	144.76	145.14	146.44	0.020281	5.77	3.57	1.97	1.28
CALCINARE	CALCINARE	17.450*	Max WS	18.72	142.58	144.66	145.00	146.27	0.019286	5.62	3.63	2.00	1.25
CALCINARE	CALCINARE	17.400*	Max WS	18.67	142.48	144.57	144.86	146.09	0.018135	5.46	3.70	2.02	1.21
CALCINARE	CALCINARE	17.355	Lat Struct										
CALCINARE	CALCINARE	17.350*	Max WS	18.67	142.39	144.49	144.73	145.92	0.017042	5.31	3.79	2.05	1.18
CALCINARE	CALCINARE	17.300*	Max WS	18.66	142.29	144.41	144.60	145.75	0.015847	5.15	3.89	2.08	1.14
CALCINARE	CALCINARE	17.251	Lat Struct										
CALCINARE	CALCINARE	17.250*	Max WS	18.66	142.20	144.33	144.47	145.60	0.014655	4.99	3.99	2.10	1.09
CALCINARE	CALCINARE	17.200*	Max WS	18.66	142.10	144.26	144.33	145.44	0.013399	4.81	4.12	2.12	1

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
CALCINARE	CALCINARE	16	Max WS	16.29	141.35	143.87		144.22	0.018223	2.61	6.30	2.52	0.53
CALCINARE	CALCINARE	15.50 Opera intubata s	Culvert										
CALCINARE	CALCINARE	15	Max WS	16.29	139.22	140.84	140.91	141.74	0.034314	4.21	3.87	7.42	1.06
CALCINARE	CALCINARE	14.22	Lat Struct										
CALCINARE	CALCINARE	14.2	Lat Struct										
CALCINARE	CALCINARE	14	Max WS	16.29	139.20	140.76	141.14	141.66	0.038536	4.26	4.22	3.80	1.11
CALCINARE	CALCINARE	13.805	Lat Struct										
CALCINARE	CALCINARE	13.802	Lat Struct										
CALCINARE	CALCINARE	13.800*	Max WS	16.14	139.03	140.58	140.71	141.42	0.035446	4.10	4.36	4.17	1.07
CALCINARE	CALCINARE	13.600*	Max WS	16.02	138.86	140.42	140.50	141.19	0.031823	3.93	4.52	4.58	1.02
CALCINARE	CALCINARE	13.400*	Max WS	15.94	138.69	140.28	140.33	140.98	0.027602	3.72	4.74	5.04	0.95
CALCINARE	CALCINARE	13.200*	Max WS	15.87	138.52	140.16	140.13	140.77	0.023001	3.48	5.05	5.67	0.87
CALCINARE	CALCINARE	13	Max WS	15.80	138.32	140.07	139.82	140.59	0.018388	3.22	5.49	6.13	0.79
CALCINARE	CALCINARE	12.750*	Max WS	15.71	138.01	139.99		140.44	0.013861	3.05	6.45	5.76	0.70
CALCINARE	CALCINARE	12.502	Lat Struct										
CALCINARE	CALCINARE	12.501	Lat Struct										
CALCINARE	CALCINARE	12.500*	Max WS	15.68	137.71	139.95		140.33	0.010579	2.91	7.30	5.02	0.62
CALCINARE	CALCINARE	12.250*	Max WS	15.84	137.40	139.91		140.28	0.009354	2.96	7.75	4.19	0.60
CALCINARE	CALCINARE	12	Max WS	16.08	137.09	139.82		140.26	0.010406	3.31	7.64	3.35	0.64
CALCINARE	CALCINARE	11	Max WS	16.16	137.07	139.75	139.05	140.28	0.012246	3.55	6.98	3.01	0.69
CALCINARE	CALCINARE	10.50 Ponte su Via del	Bridge										
CALCINARE	CALCINARE	10	Max WS	16.16	137.01	138.45	138.48	139.19	0.034056	3.81	4.24	6.80	1.03
CALCINARE	CALCINARE	9.5	Lat Struct										
CALCINARE	CALCINARE	9.2	Lat Struct										
CALCINARE	CALCINARE	9	Max WS	16.16	136.99	138.40		138.83	0.023538	3.12	6.52	6.58	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	16.16	136.82	138.29		138.71	0.022957	3.15	6.54	6.47	0.85
CALCINARE	CALCINARE	8.8000*	Max WS	16.16	136.66	138.17		138.61	0.022426	3.20	6.57	6.37	0.85
CALCINARE	CALCINARE	8.7000*	Max WS	16.16	136.49	138.06		138.50	0.021980	3.24	6.61	6.28	0.84
CALCINARE	CALCINARE	8.6000*	Max WS	16.16	136.32	137.95		138.40	0.021603	3.30	6.65	6.21	0.84
CALCINARE	CALCINARE	8.5000*	Max WS	16.16	136.16	137.84		138.30	0.021374	3.36	6.69	6.15	0.84
CALCINARE	CALCINARE	8.405	Lat Struct										
CALCINARE	CALCINARE	8.402	Lat Struct										
CALCINARE	CALCINARE	8.4000*	Max WS	16.01	135.99	137.74		138.19	0.020721	3.39	6.73	5.95	0.83
CALCINARE	CALCINARE	8.3000*	Max WS	15.90	135.82	137.64		138.09	0.020298	3.44	6.77	5.74	0.83
CALCINARE	CALCINARE	8.2000*	Max WS	15.67	135.65	137.55		137.99	0.019539	3.47	6.83	5.53	0.82
CALCINARE	CALCINARE	8.1000*	Max WS	15.29	135.49	137.47		137.89	0.018219	3.45	6.93	5.35	0.79
CALCINARE	CALCINARE	8	Max WS	14.66	135.32	137.43		137.79	0.015976	3.35	7.14	5.19	0.75
CALCINARE	CALCINARE	7.8000*	Max WS	13.88	135.26	137.44		137.69	0.010761	2.84	8.17	5.77	0.62
CALCINARE	CALCINARE	7.650	Lat Struct										
CALCINARE	CALCINARE	7.61	Lat Struct										
CALCINARE	CALCINARE	7.6000*	Max WS	13.05	135.20	137.47		137.63	0.007093	2.38	9.33	6.20	0.51
CALCINARE	CALCINARE	7.4000*	Max WS	12.18	135.13	137.49		137.60	0.004715	2.00	10.54	6.64	0.42
CALCINARE	CALCINARE	7.2000*	Max WS	11.23	135.07	137.51		137.58	0.003123	1.67	11.79	7.07	0.34
CALCINARE	CALCINARE	7	Max WS	9.97	135.01	137.53		137.57	0.001943	1.35	13.08	7.50	0.27
CALCINARE	CALCINARE	6.5000*	Max WS	8.95	134.99	137.53		137.57	0.001371	1.13	13.21	7.50	0.23
CALCINARE	CALCINARE	6	Max WS	7.83	134.97	137.54		137.57	0.000918	0.92	13.41	7.50	0.19
CALCINARE	CALCINARE	5.50 Opera intubata v	Culvert										
CALCINARE	CALCINARE	5	Max WS	8.95	134.65	136.07	136.00	136.41	0.023688	3.21	4.63	6.07	0.87
CALCINARE	CALCINARE	4.5	Lat Struct										
CALCINARE	CALCINARE	4.3	Lat Struct										
CALCINARE	CALCINARE	4	Max WS	8.95	134.60	136.04		136.36	0.022101	3.13	4.74	6.03	0.84
CALCINARE	CALCINARE	3.7500*	Max WS	8.92	134.52	135.94	135.88	136.27	0.022721	3.14	4.77	6.59	0.85
CALCINARE	CALCINARE	3.5000*	Max WS	8.90	134.42	135.85	135.86	136.18	0.023878	3.18	4.76	7.04	0.86
CALCINARE	CALCINARE	3.2500*	Max WS	8.87	134.32	135.75	135.77	136.08	0.024325	3.16	4.77	7.14	0.86
CALCINARE	CALCINARE	3	Max WS	8.81	134.22	135.65	135.66	135.96	0.023654	3.07	4.87	7.27	0.84
CALCINARE	CALCINARE	2.9855*	Max WS	8.80	134.20	135.63	135.64	135.94	0.023745	3.07	4.84	7.25	0.84
CALCINARE	CALCINARE	2.9710*	Max WS	8.79	134.18	135.61	135.61	135.92	0.023829	3.07	4.80	7.24	0.85
CALCINARE	CALCINARE	2.9565*	Max WS	8.78	134.16	135.58	135.59	135.90	0.023971	3.07	4.77	7.22	0.85
CALCINARE	CALCINARE	2.9420*	Max WS	8.77	134.13	135.56	135.57	135.88	0.024016	3.07	4.74	7.20	0.85
CALCINARE	CALCINARE	2.9275*	Max WS	8.76	134.11	135.53	135.55	135.86	0.024162	3.08	4.70	7.19	0.85
CALCINARE	CALCINARE	2.9130*	Max WS	8.76	134.09	135.51	135.53	135.84	0.024354	3.08	4.67	7.17	0.85
CALCINARE	CALCINARE	2.8986*	Max WS	8.76	134.07	135.48	135.51	135.82	0.024583	3.09	4.63	7.16	0.86
CALCINARE	CALCINARE	2.8841*	Max WS	8.77	134.05	135.46	135.48	135.80	0.024813	3.10	4.59	7.14	0.86
CALCINARE	CALCINARE	2.8696*	Max WS	8.77	134.03	135.43	135.46	135.78	0.025046	3.11	4.55	7.12	0.86
CALCINARE	CALCINARE	2.8551*	Max WS	8.77	134.01	135.41	135.43	135.75	0.025136	3.10	4.52	7.01	0.87
CALCINARE	CALCINARE	2.8408	Lat Struct										
CALCINARE	CALCINARE	2.8407	Lat Struct										
CALCINARE	CALCINARE	2.8406*	Max WS	8.76	133.98	135.38	135.39	135.73	0.025077	3.09	4.49	6.89	0.86
CALCINARE	CALCINARE	2.8261*	Max WS	8.76	133.96	135.36	135.34	135.71	0.025024	3.09	4.46	6.76	0.86
CALCINARE	CALCINARE	2.8116*	Max WS	8.76	133.94	135.33	135.31	135.68	0.025019	3.08	4.43	6.66	0.86
CALCINARE	CALCINARE	2.7971*	Max WS	8.76	133.92	135.31	135.29	135.66	0.025024	3.07	4.41	6.55	0.86
CALCINARE	CALCINARE	2.7859	Lat Struct										
CALCINARE	CALCINARE	2.7858	Lat Struct										
CALCINARE	CALCINARE	2.7826*	Max WS	8.76	133.90	135.28	135.26	135.63	0.024942	3.06	4.39	6.47	0.86
CALCINARE	CALCINARE	2.7681*	Max WS	8.75	133.88	135.26	135.23	135.61	0.024884	3.05	4.36	6.38	0.86
CALCINARE	CALCINARE	2.7536*	Max WS	8.75	133.86	135.23	135.20	135.58	0.024848	3.04	4.34	6.30	0.86
CALCINARE	CALCINARE	2.7391*	Max WS	8.75	133.83	135.21	135.18	135.56	0.024779	3.03	4.33	6.23	0.86
CALCINARE	CALCINARE	2.7246*	Max WS	8.75	133.81	135.18	135.15	135.53	0.024734	3.02	4.31	6.15	0.86
CALCINARE	CALCINARE	2.7101*	Max WS	8.75	133.79	135.16	135.12	135.51	0.024659	3.01	4.30	6.09	0.85
CALCINARE	CALCINARE	2.6957*	Max WS	8.75	133.77	135.13	135.09	135.48	0.024583	3.00	4.28	6.03	0.85
CALCINARE	CALCINARE	2.6812*	Max WS	8.75	133.75	135.11	135.06	135.46	0.024460	2.99	4.28	5.98	0.85
CALCINARE	CALCINARE	2.6667*	Max WS	8.75	133.73	135.08	135.04	135.43	0.024399	2.98	4.26	5.92	0.85
CALCINARE	CALCINARE	2.6522*	Max WS	8.74	133.71	135.06	135.01	135.41	0.024275	2.97	4.25	5.88	0.85
CALCINARE	CALCINARE	2.6377*	Max WS	8.74	133.68	135.04	134.98	135.38	0.024183	2.96	4.25	5.83	0.84
CALCINARE	CALCINARE	2.6232*	Max WS	8.74	133.66	135.01	134.95	135.36	0.024038	2.94	4.24	5.79	0.84
CALCINARE	CALCINARE	2.6087*	Max WS	8.74	133.64	134.99	134.93	135.33	0.023937	2.93	4.24	5.75	0.84
CALCINARE	CALCINARE	2.5942*	Max WS	8.73	133.62	134.96	134.90	135.30	0.023796	2.92	4.23	5.72	0.84
CALCINARE	CALCINARE	2.5797*	Max WS	8.73	133.60	134.94	134.87	135.28	0.023654	2.91	4.23	5.68	0.83
CALCINARE	CALCINARE	2.5652*	Max WS	8.72	133.58	134.92	134.84	135.25	0.023427	2.89	4.23	5.66	0.83
CALCINARE	CALCINARE	2.5507*	Max WS	8.71	133.56	134.89	134.82	135.23	0.023232	2.87	4.23	5.63	0.83
CALCINARE	CALCINARE	2.5362*	Max WS	8.69	133.53	134.87		135.20	0.022919	2.85	4.23	5.61	0.82
CALCINARE	CALCINARE	2.5217*	Max WS	8.68	133.51	134.85		135.18	0.022703	2.84	4.24	5.58	0.82
CALCINARE	CALCINARE	2.5072*	Max WS	8.68	133.49	134.83		135.15	0.022475	2.82	4.24	5.57	0.81
CALCINARE	CALCINARE	2.4928*	Max WS	8.68	133.47	134.81		135.13	0.022213	2.80	4.25	5.55	0.81
CALCINARE	CALCINARE	2.4783*	Max WS	8.69	133.45	134.78		135.10	0.021980	2.79	4.27	5.54	0.80
CALCINARE	CALCINARE	2.4638*	Max WS	8.69	133.43	134.76		135.08	0.021724	2.77			

HEC-RAS Plan: S1 TR50** Profile: Max WS (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
CALCINARE	CALCINARE	2.3478*	Max WS	7.05	133.25	134.64		134.81	0.011348	2.05	4.63	5.68	0.58
CALCINARE	CALCINARE	2.3333*	Max WS	7.05	133.23	134.63		134.80	0.010740	2.00	4.73	5.75	0.57
CALCINARE	CALCINARE	2.3188*	Max WS	7.05	133.21	134.62		134.78	0.010134	1.96	4.84	5.83	0.55
CALCINARE	CALCINARE	2.3043*	Max WS	7.05	133.19	134.62		134.77	0.009559	1.92	4.94	5.90	0.54
CALCINARE	CALCINARE	2.2899*	Max WS	7.05	133.17	134.61		134.76	0.008997	1.88	5.06	5.98	0.52
CALCINARE	CALCINARE	2.2754*	Max WS	7.05	133.15	134.61		134.75	0.008468	1.84	5.18	6.05	0.51
CALCINARE	CALCINARE	2.2609*	Max WS	7.05	133.13	134.61		134.74	0.007946	1.80	5.30	6.10	0.49
CALCINARE	CALCINARE	2.2464*	Max WS	7.05	133.10	134.60		134.73	0.007445	1.75	5.43	6.11	0.48
CALCINARE	CALCINARE	2.2319*	Max WS	7.04	133.08	134.60		134.72	0.006953	1.71	5.56	6.12	0.46
CALCINARE	CALCINARE	2.2174*	Max WS	7.04	133.06	134.60		134.71	0.006524	1.67	5.69	6.13	0.45
CALCINARE	CALCINARE	2.2029*	Max WS	7.04	133.04	134.60		134.71	0.006116	1.63	5.82	6.13	0.44
CALCINARE	CALCINARE	2.1884*	Max WS	7.04	133.02	134.59		134.70	0.005753	1.59	5.95	6.14	0.42
CALCINARE	CALCINARE	2.1739*	Max WS	7.05	133.00	134.59		134.69	0.005415	1.56	6.08	6.14	0.41
CALCINARE	CALCINARE	2.1594*	Max WS	7.06	132.98	134.59		134.69	0.005111	1.53	6.21	6.15	0.40
CALCINARE	CALCINARE	2.1449*	Max WS	7.07	132.95	134.59		134.68	0.004836	1.50	6.34	6.15	0.39
CALCINARE	CALCINARE	2.1304*	Max WS	7.09	132.93	134.58		134.67	0.004587	1.47	6.47	6.15	0.38
CALCINARE	CALCINARE	2.1159*	Max WS	7.10	132.91	134.58		134.67	0.004351	1.45	6.60	6.15	0.37
CALCINARE	CALCINARE	2.1015*	Max WS	7.12	132.89	134.58		134.66	0.004129	1.42	6.73	6.15	0.36
CALCINARE	CALCINARE	2.0870*	Max WS	7.13	132.87	134.58		134.66	0.003917	1.39	6.86	6.15	0.35
CALCINARE	CALCINARE	2.0725*	Max WS	7.14	132.85	134.58		134.65	0.003714	1.37	7.00	6.15	0.35
CALCINARE	CALCINARE	2.0580*	Max WS	7.14	132.83	134.57		134.65	0.003519	1.34	7.13	6.15	0.34
CALCINARE	CALCINARE	2.0435*	Max WS	7.16	132.80	134.57		134.64	0.003348	1.32	7.26	6.15	0.33
CALCINARE	CALCINARE	2.0290*	Max WS	7.20	132.78	134.57		134.64	0.003226	1.30	7.38	6.14	0.32
CALCINARE	CALCINARE	2.0145*	Max WS	7.29	132.76	134.57		134.64	0.003152	1.30	7.50	6.14	0.32
CALCINARE	CALCINARE	2	Max WS	7.42	132.74	134.56		134.63	0.003131	1.30	7.61	6.13	0.32
CALCINARE	CALCINARE	1.9093		Lat Struct									
CALCINARE	CALCINARE	1.9091*	Max WS	7.53	132.72	134.55		134.63	0.003351	1.36	7.46	6.20	0.33
CALCINARE	CALCINARE	1.8182*	Max WS	7.63	132.71	134.54		134.62	0.003638	1.43	7.24	6.25	0.35
CALCINARE	CALCINARE	1.7273*	Max WS	7.72	132.69	134.53		134.62	0.003991	1.50	6.97	6.27	0.37
CALCINARE	CALCINARE	1.6669		Lat Struct									
CALCINARE	CALCINARE	1.6668		Lat Struct									
CALCINARE	CALCINARE	1.6364*	Max WS	7.80	132.67	134.51		134.62	0.004442	1.60	6.62	6.26	0.39
CALCINARE	CALCINARE	1.5455*	Max WS	7.87	132.65	134.49		134.62	0.004997	1.70	6.21	6.18	0.41
CALCINARE	CALCINARE	1.4545*	Max WS	7.93	132.64	134.47		134.62	0.005680	1.82	5.74	6.00	0.44
CALCINARE	CALCINARE	1.3636*	Max WS	6.89	132.62	134.45		134.58	0.004730	1.67	5.26	5.74	0.40
CALCINARE	CALCINARE	1.2727*	Max WS	6.90	132.60	134.43		134.58	0.005237	1.76	4.75	5.29	0.42
CALCINARE	CALCINARE	1.1818*	Max WS	6.91	132.58	134.41		134.58	0.005709	1.85	4.25	4.52	0.44
CALCINARE	CALCINARE	1.0909*	Max WS	6.89	132.57	134.39		134.57	0.006077	1.92	3.83	3.18	0.46
CALCINARE	CALCINARE	1	Max WS	6.89	132.55	134.37		134.57	0.006348	1.97	3.58	2.02	0.47

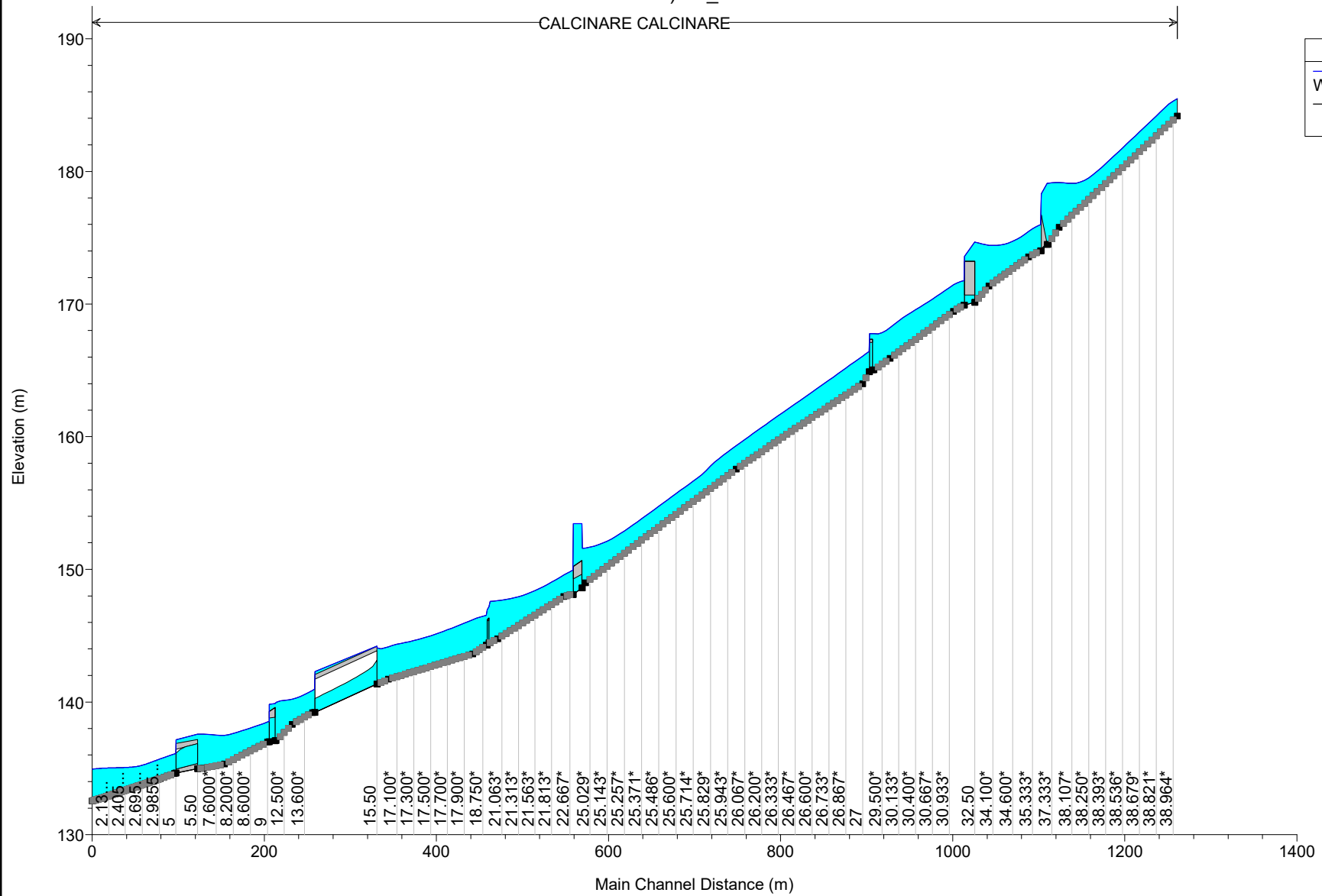
terni Plan: 1) S1_TR200** 30/05/2024

CALCINARE CALCINARE

Legend

WS Max WS

Ground



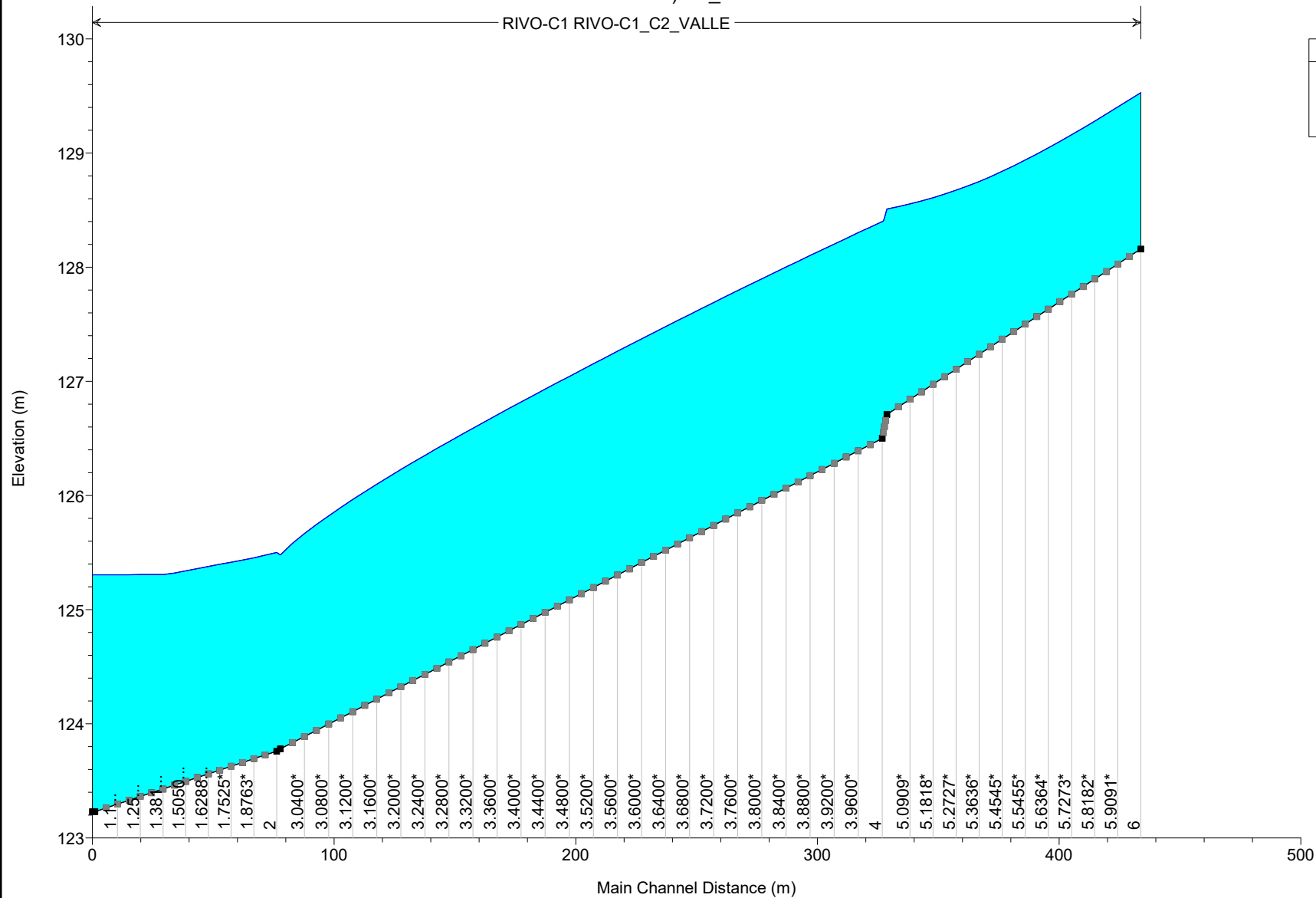
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RIVO-C1 RIVO-C1_C2_VALLE

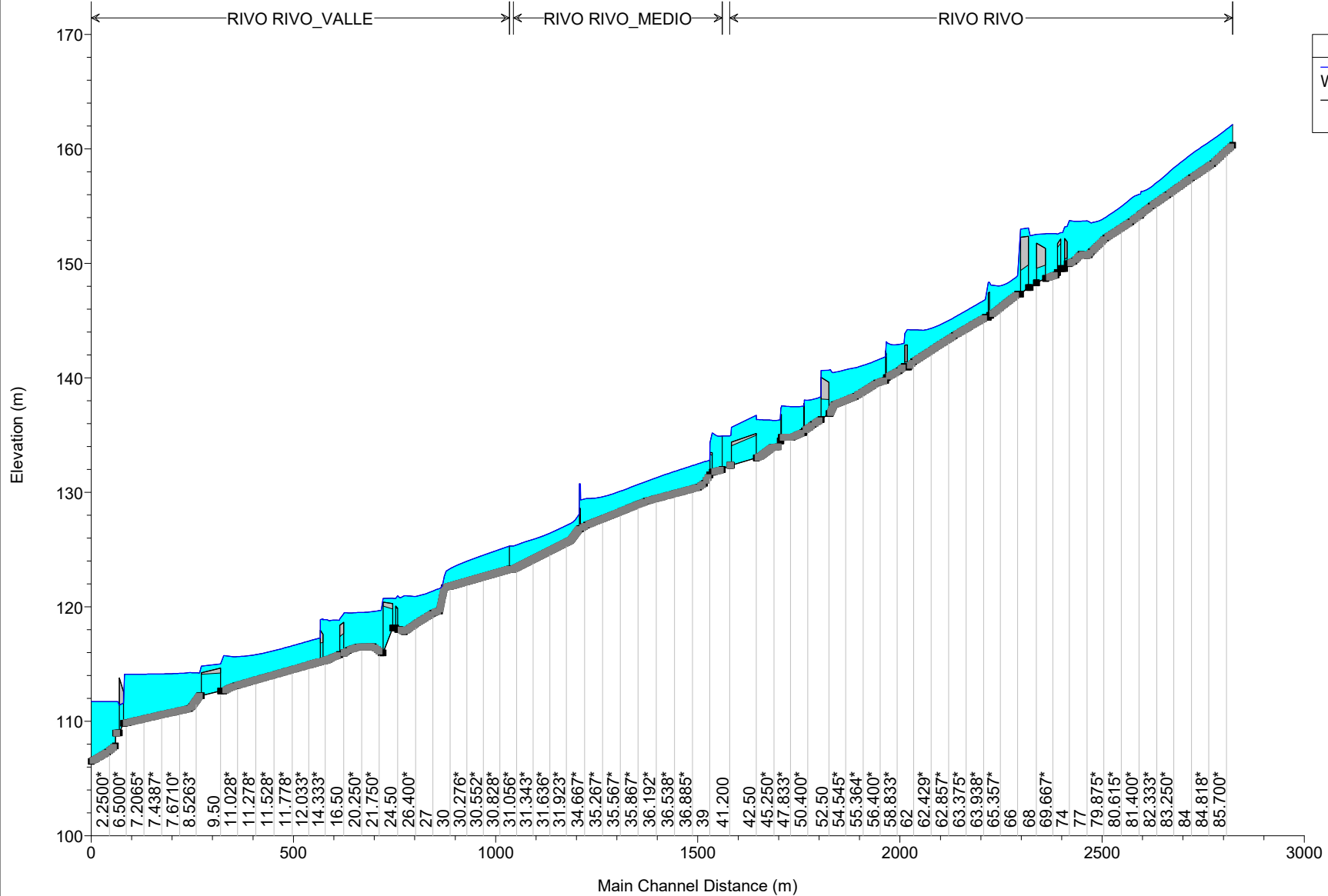
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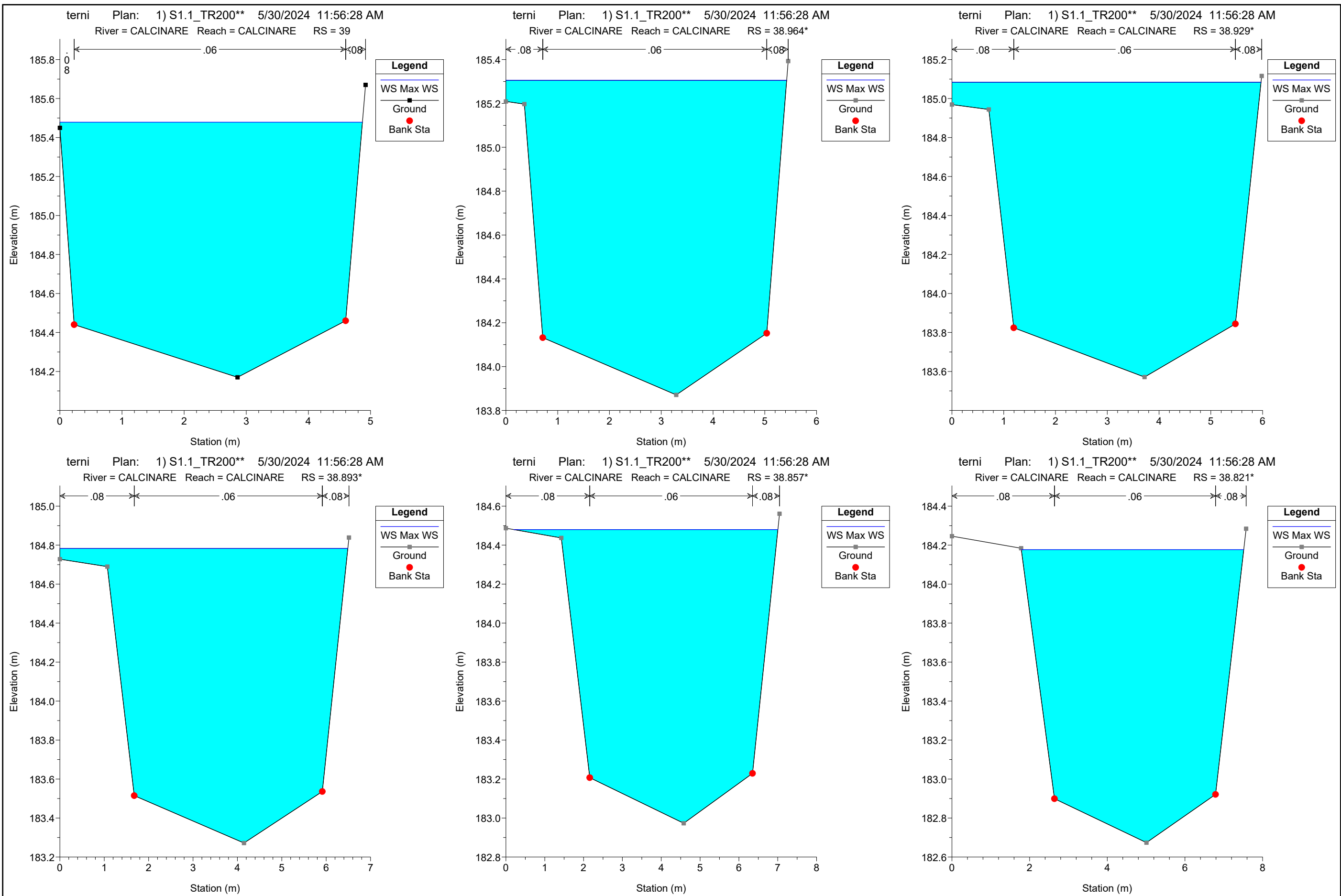
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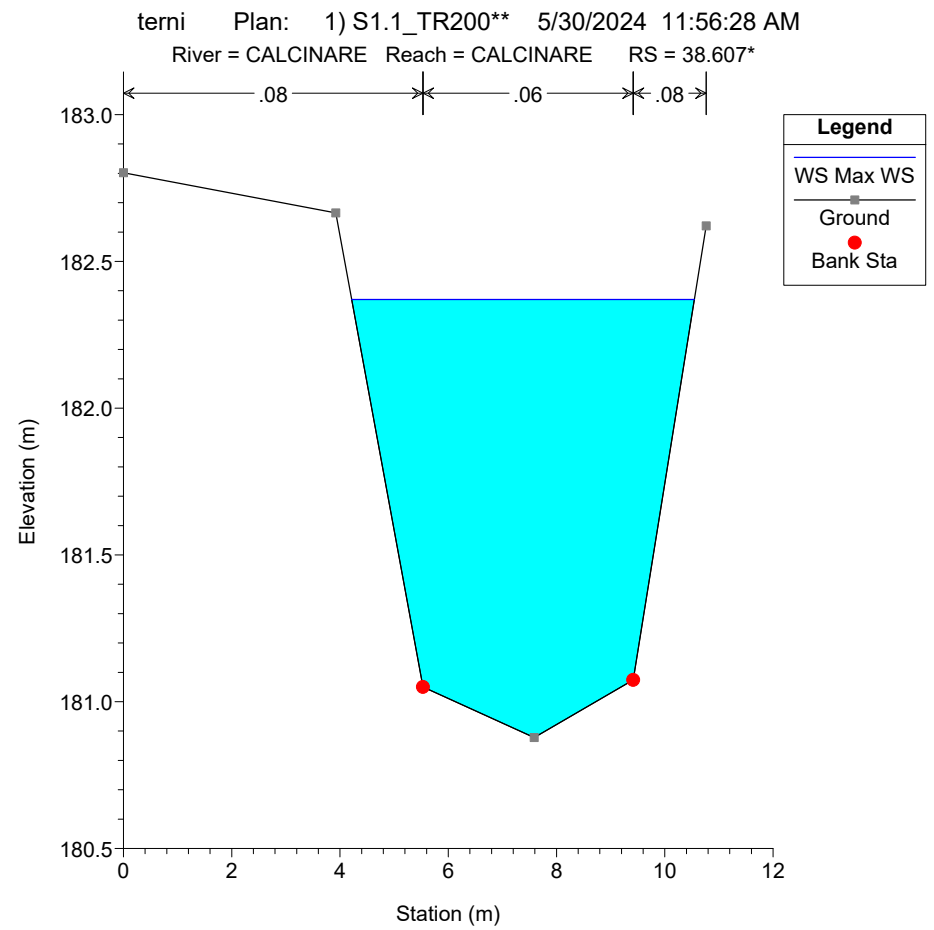
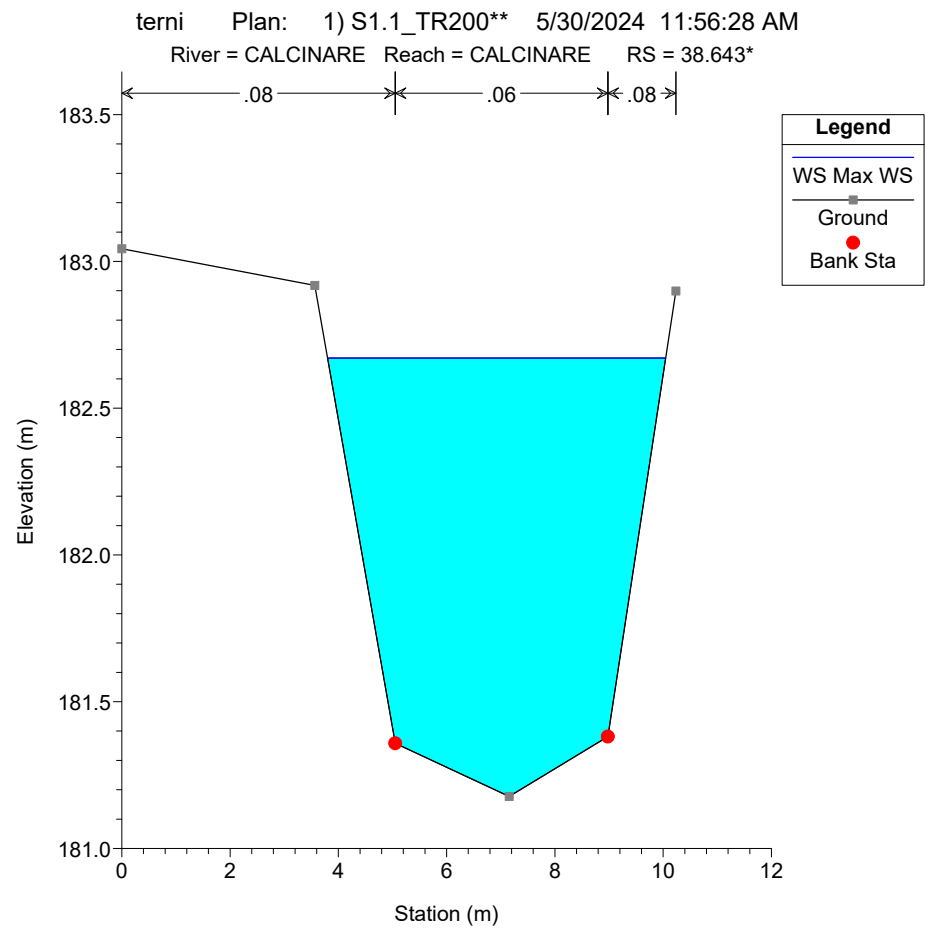
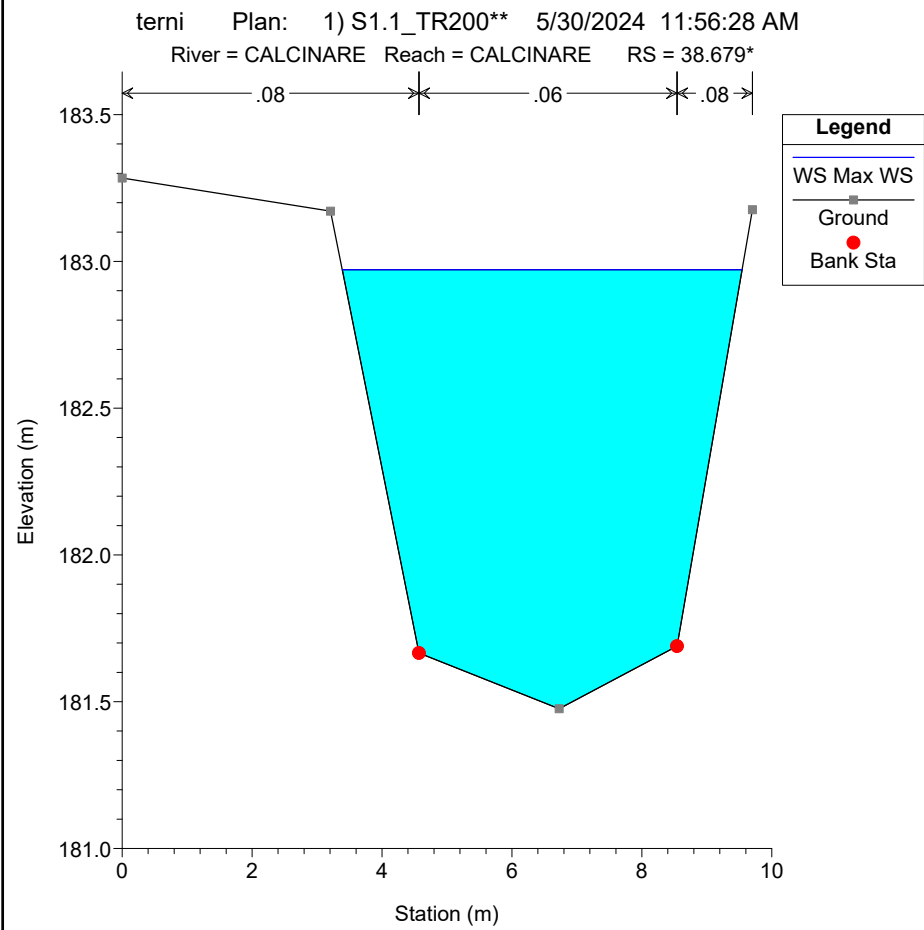
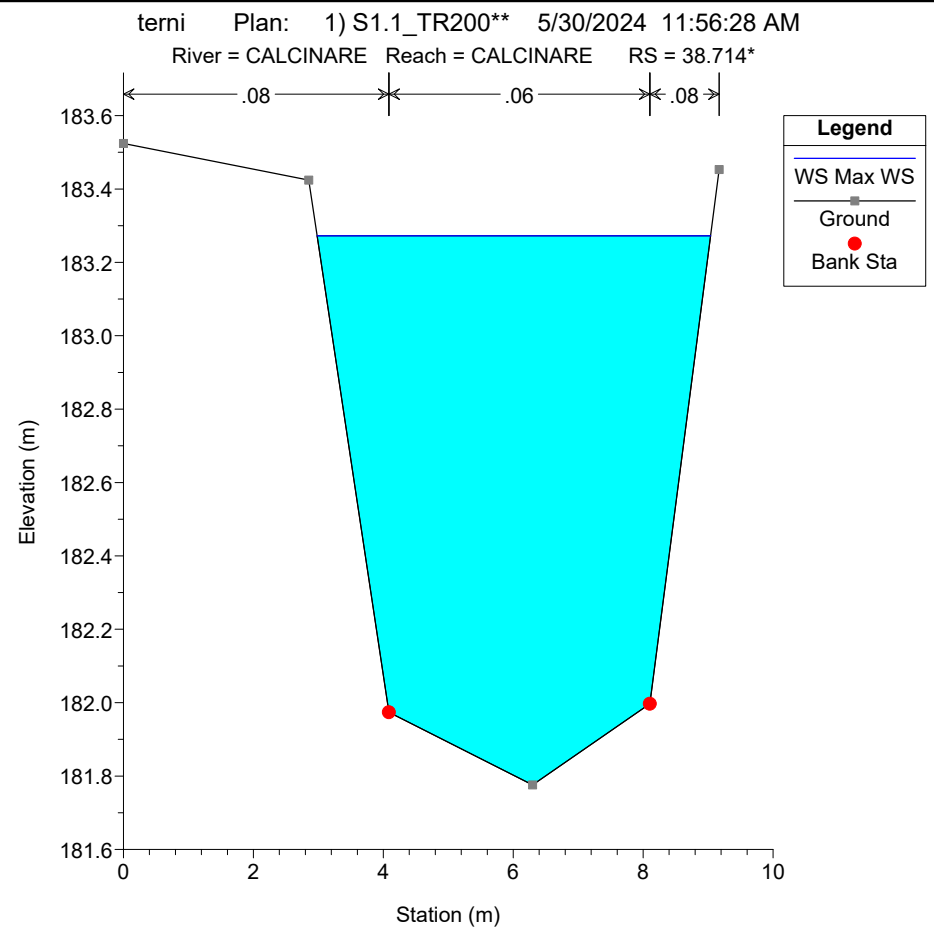
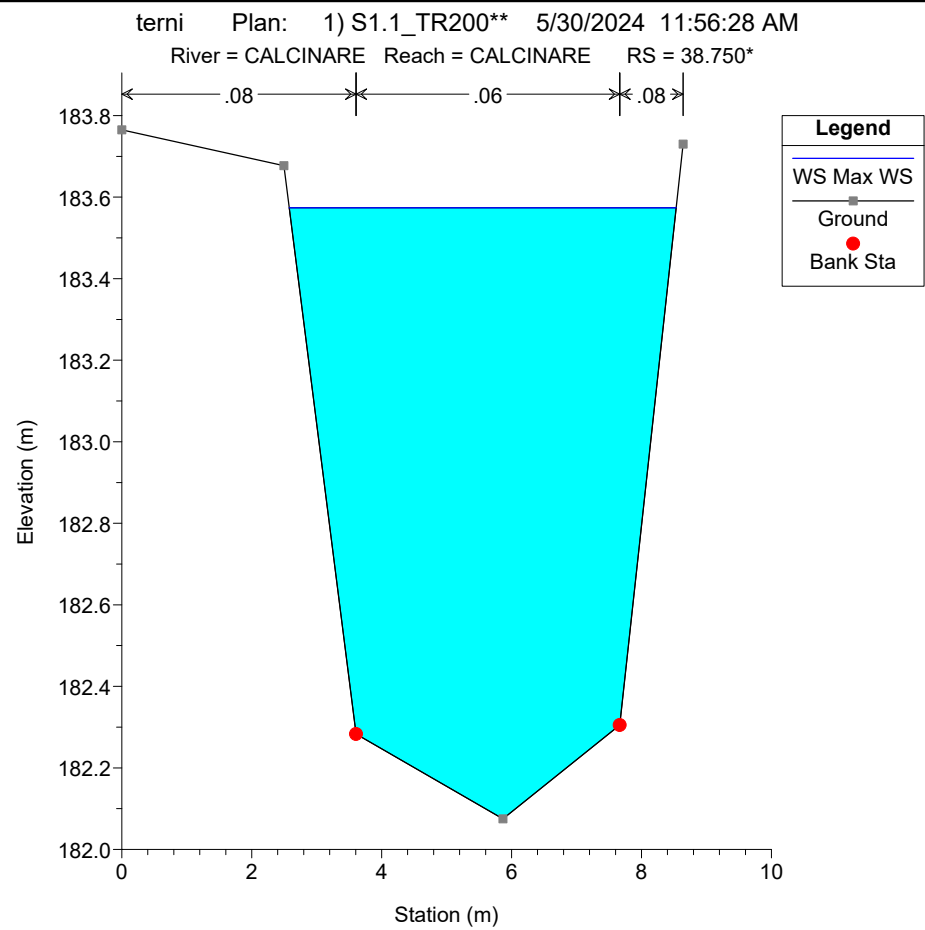
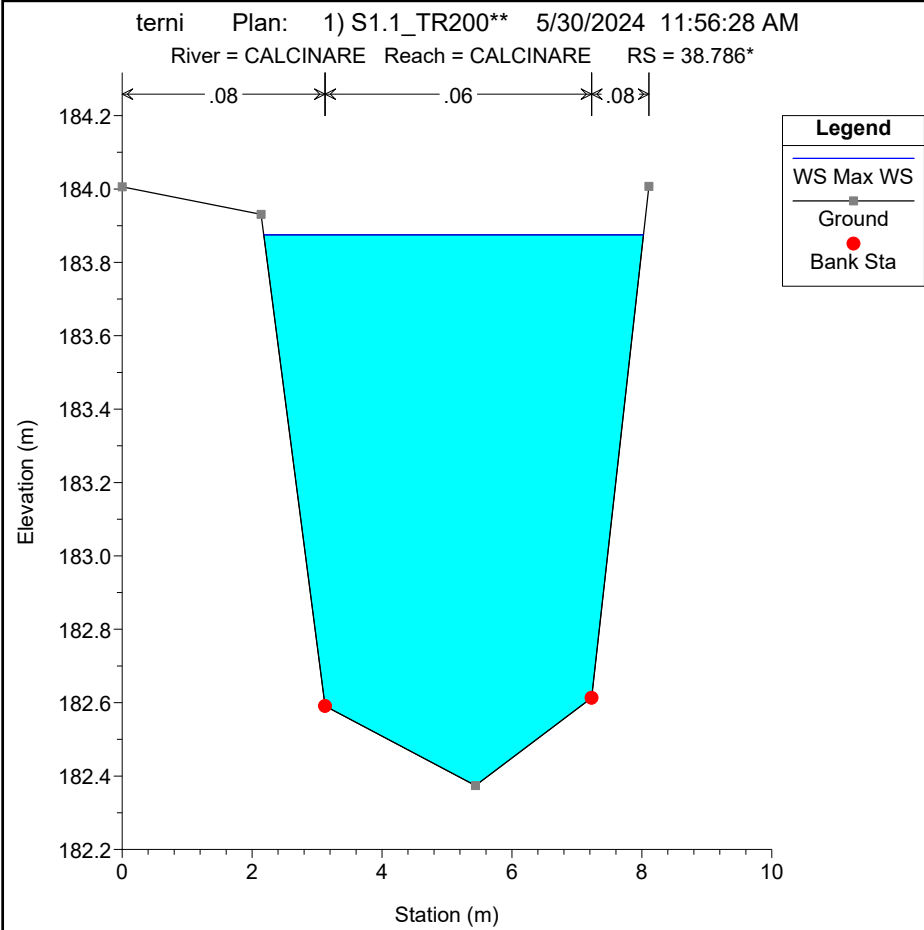
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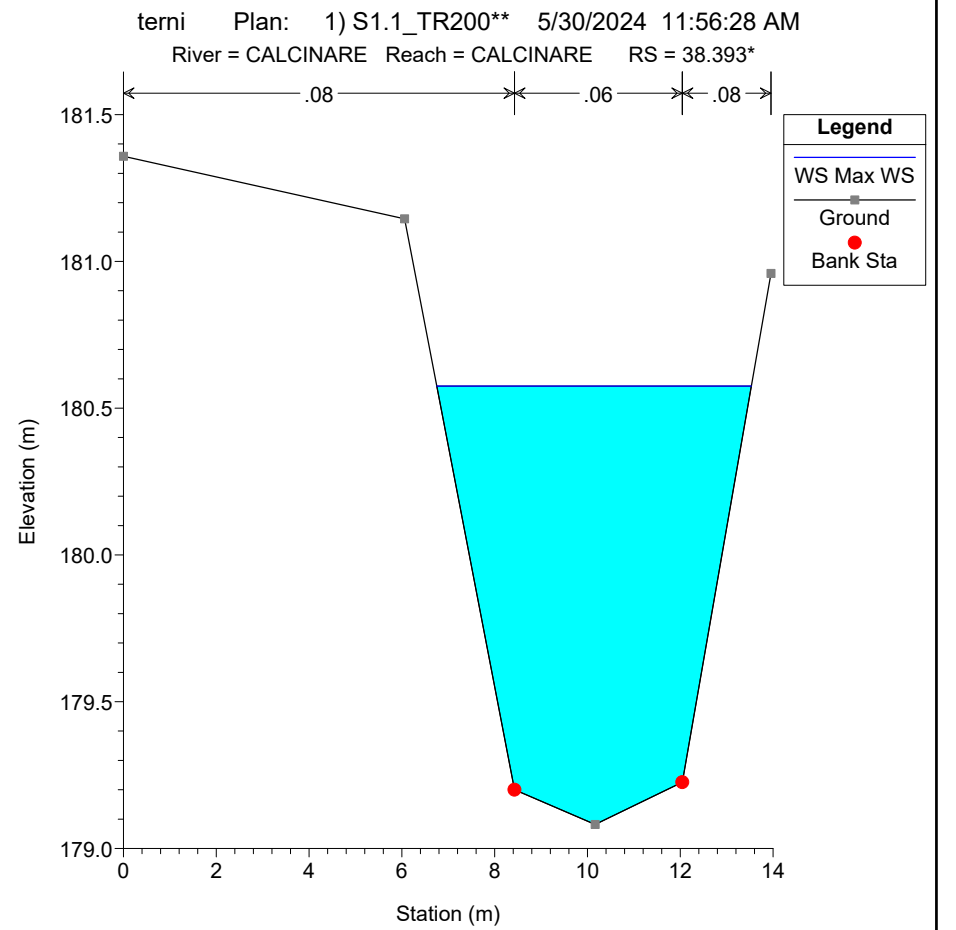
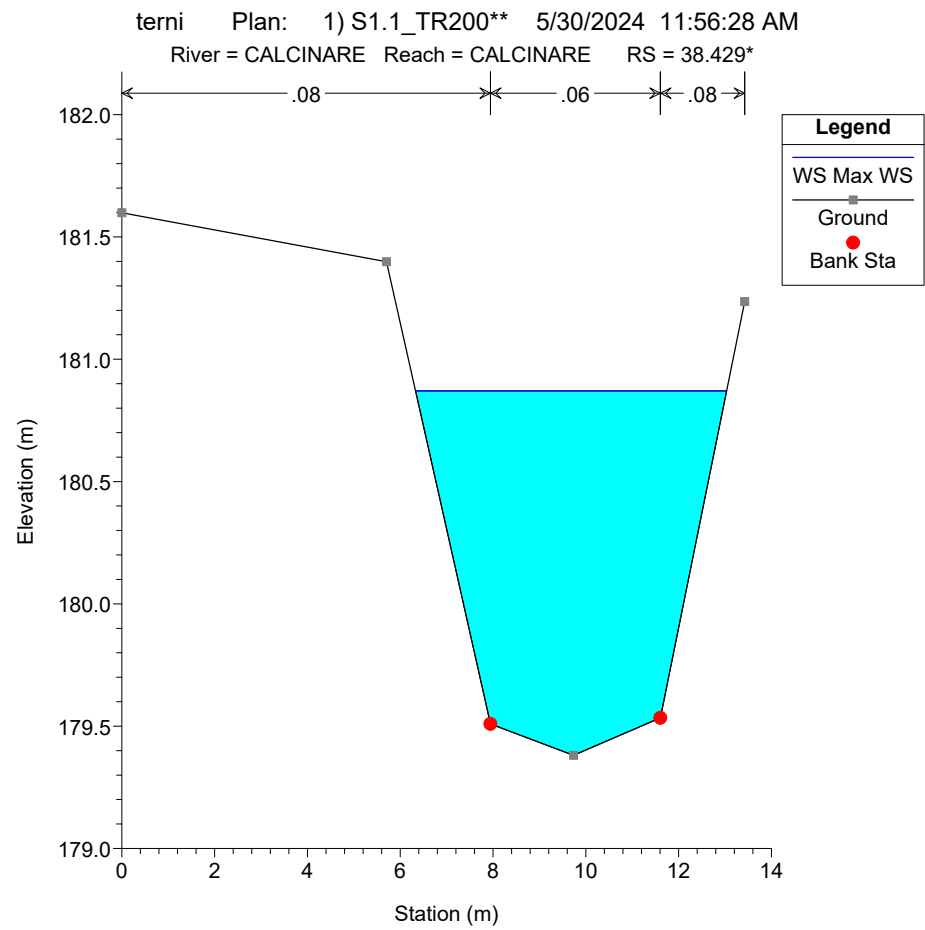
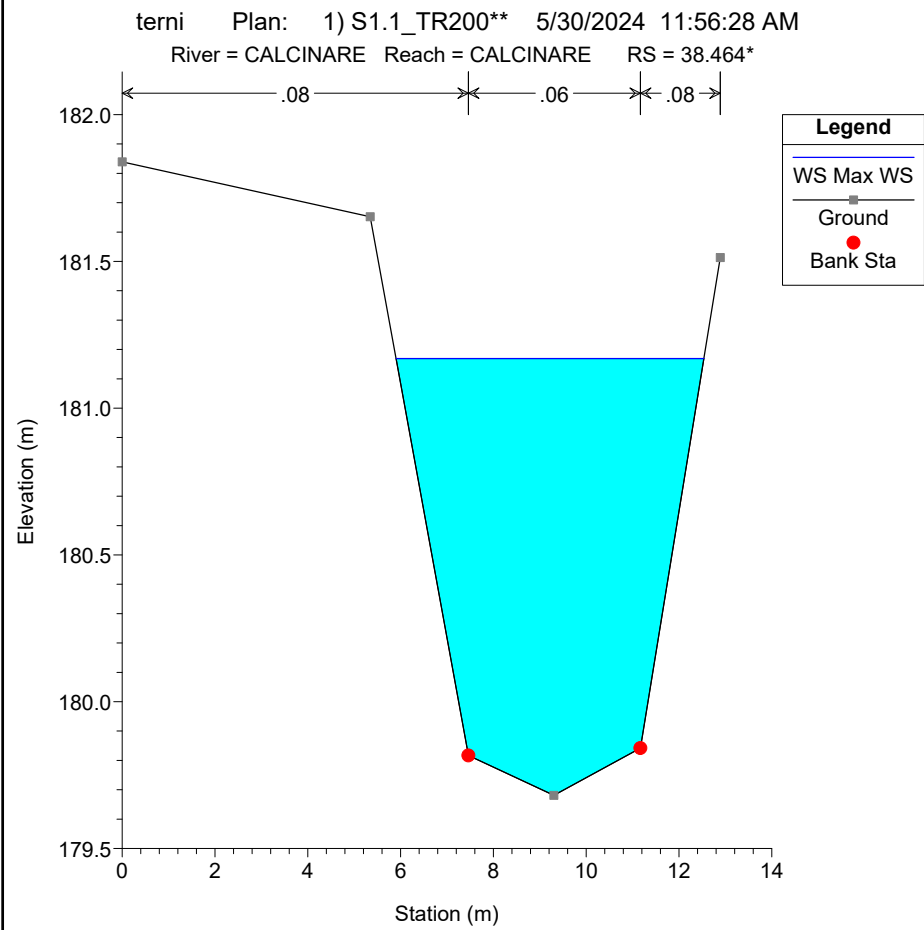
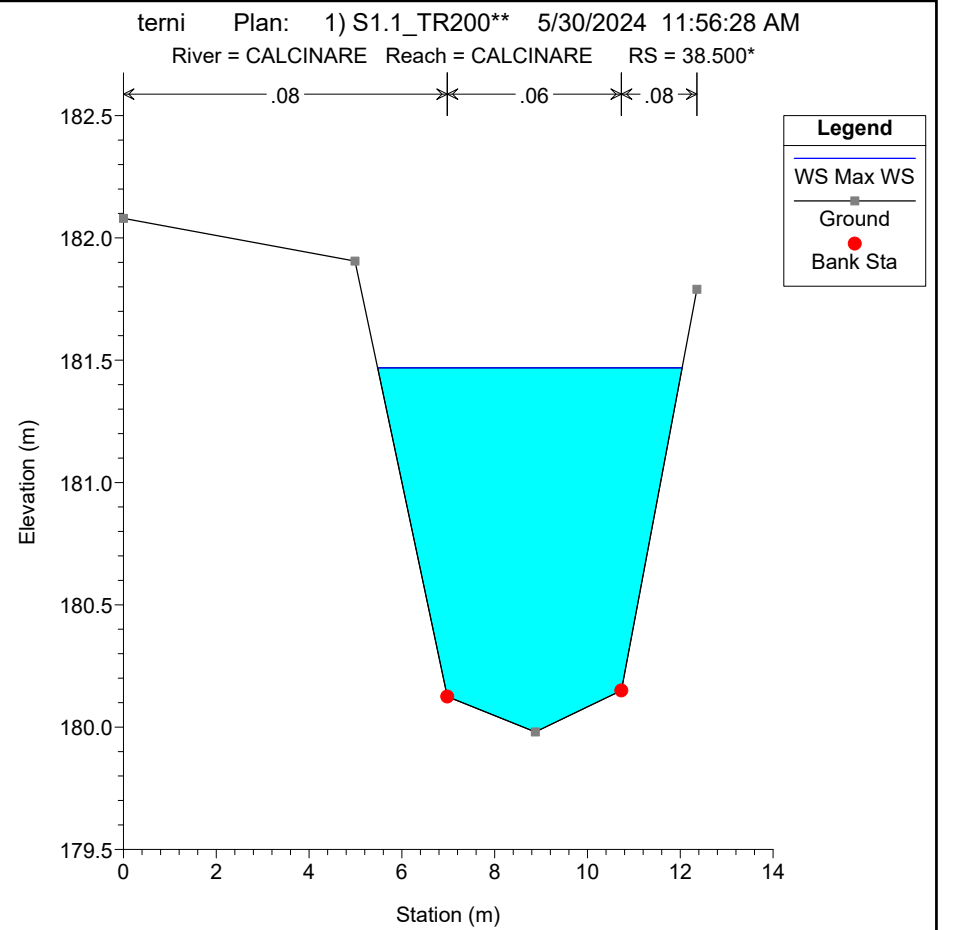
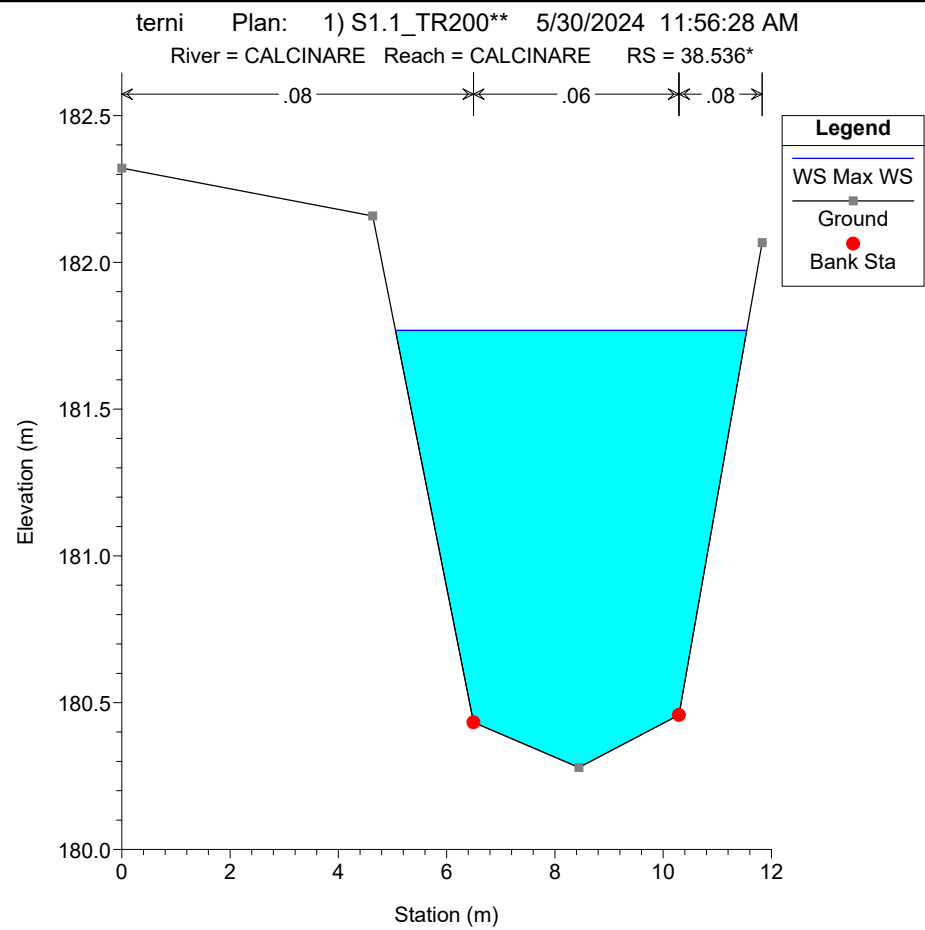
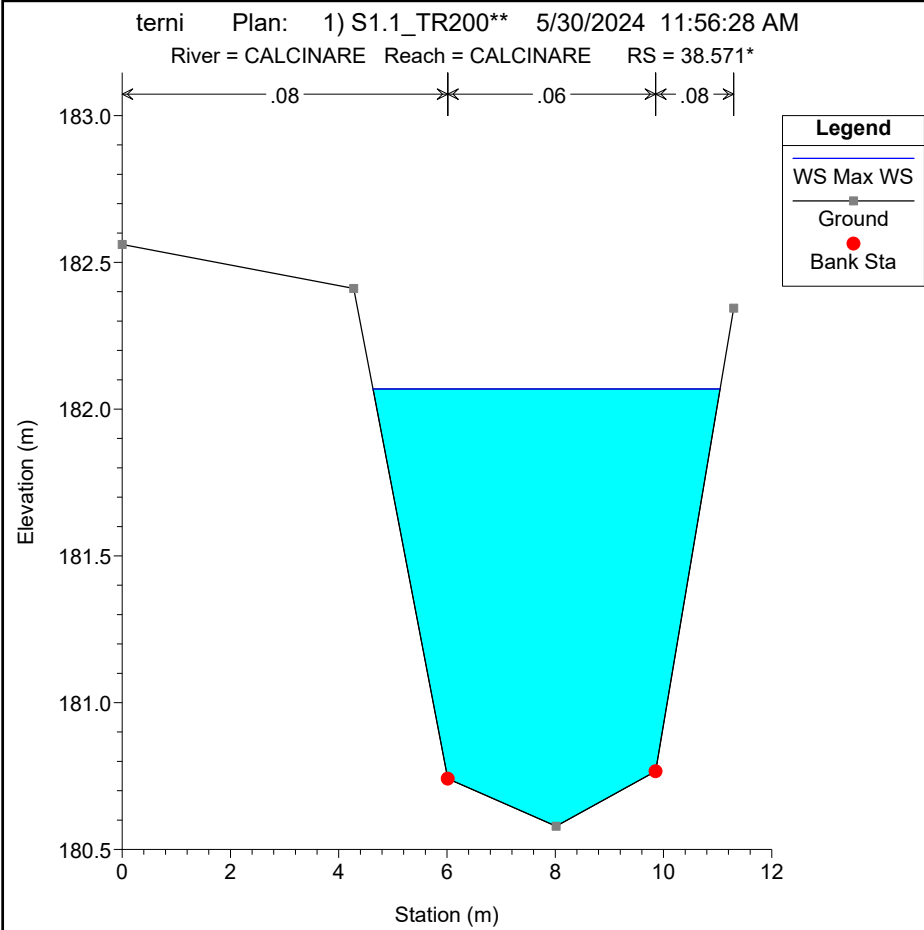


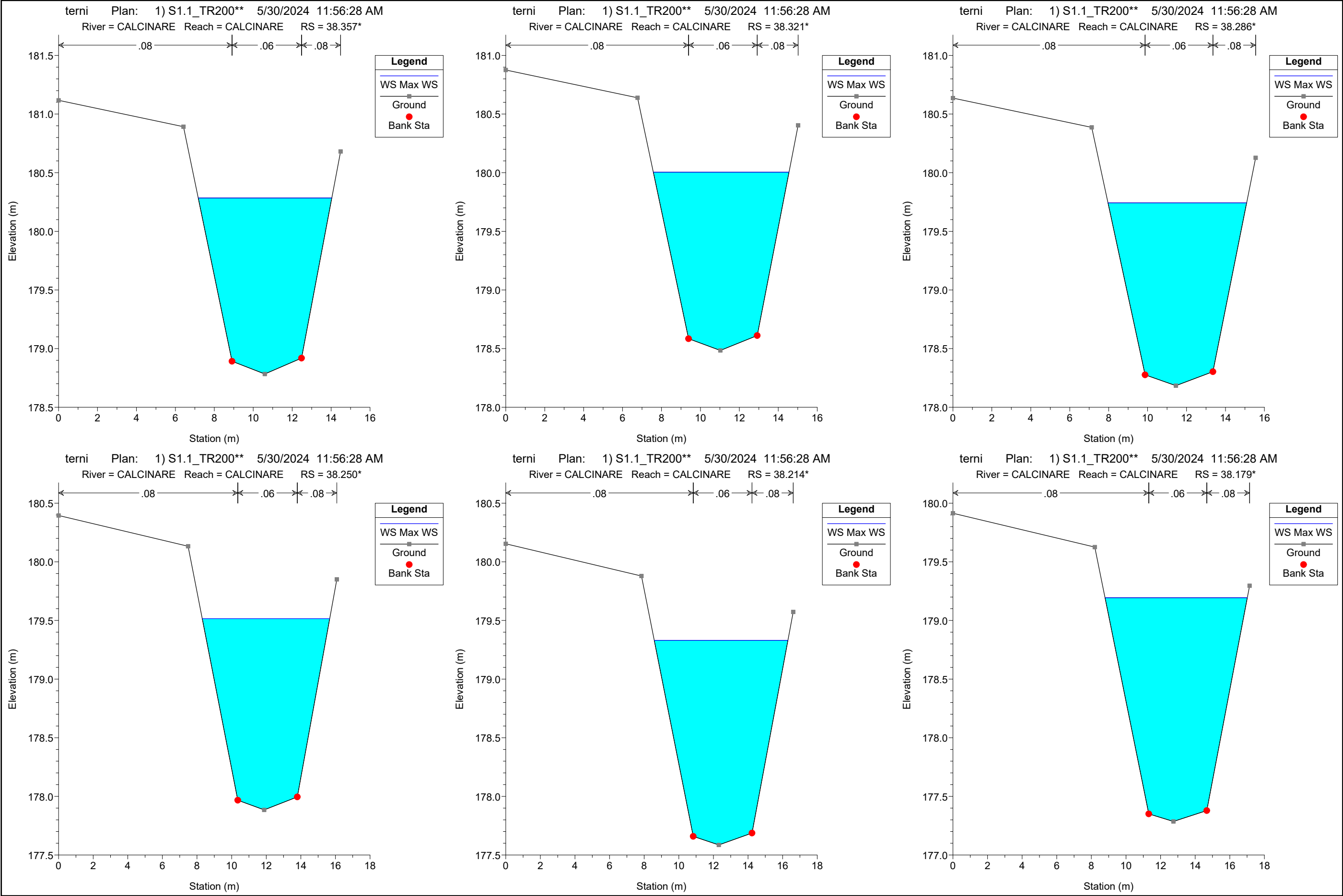
terni Plan: 1) S1_TR200** 30/05/2024

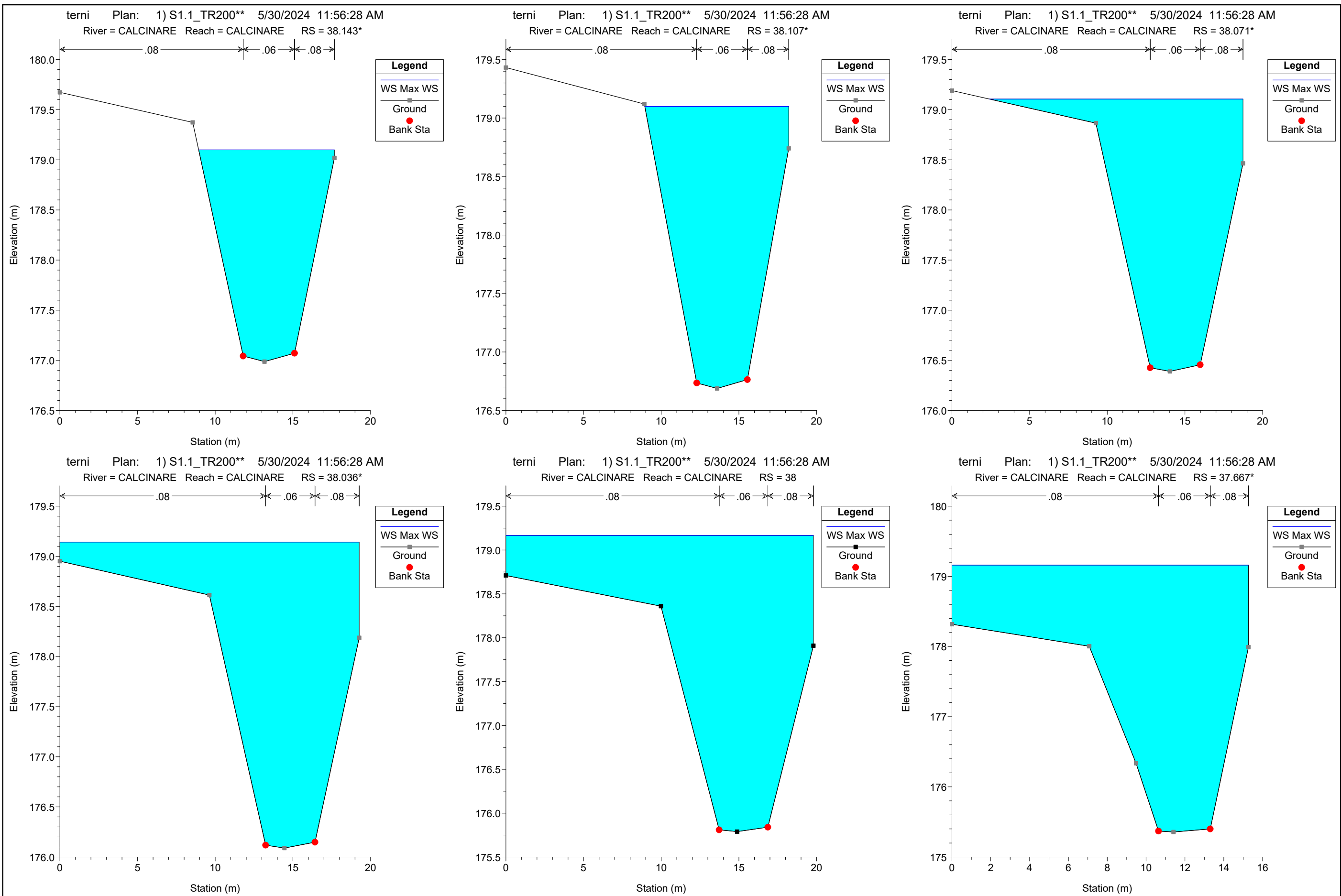


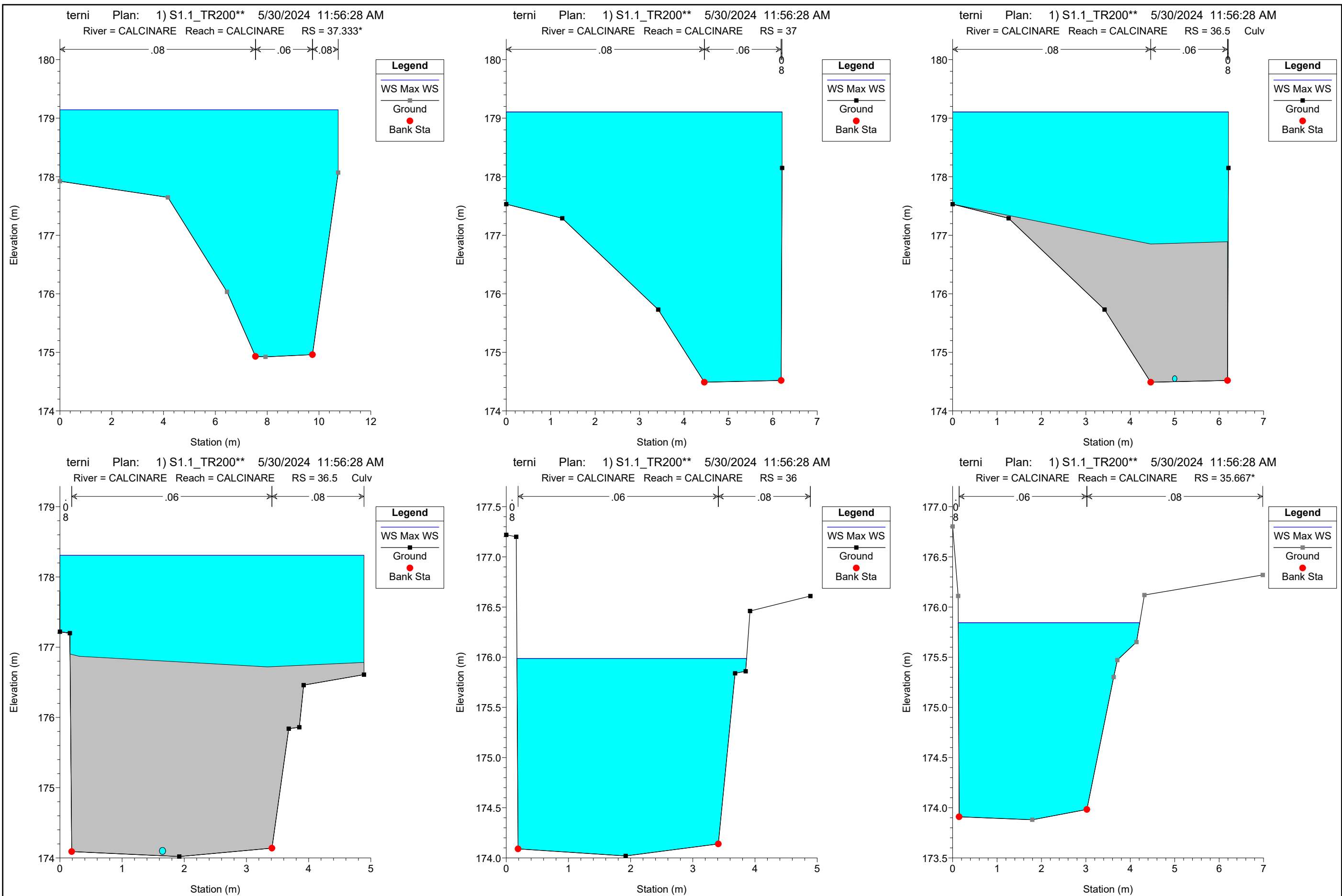


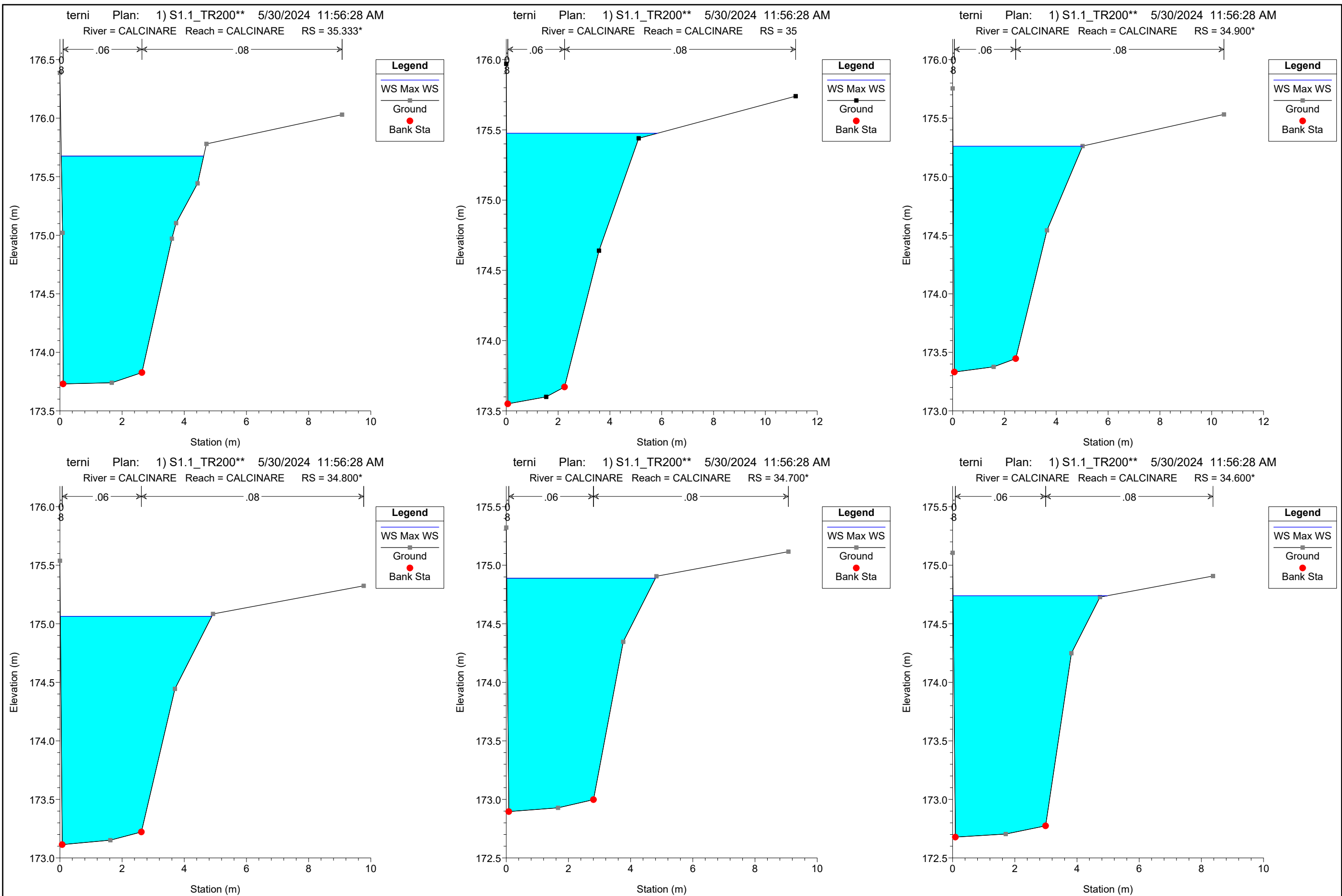


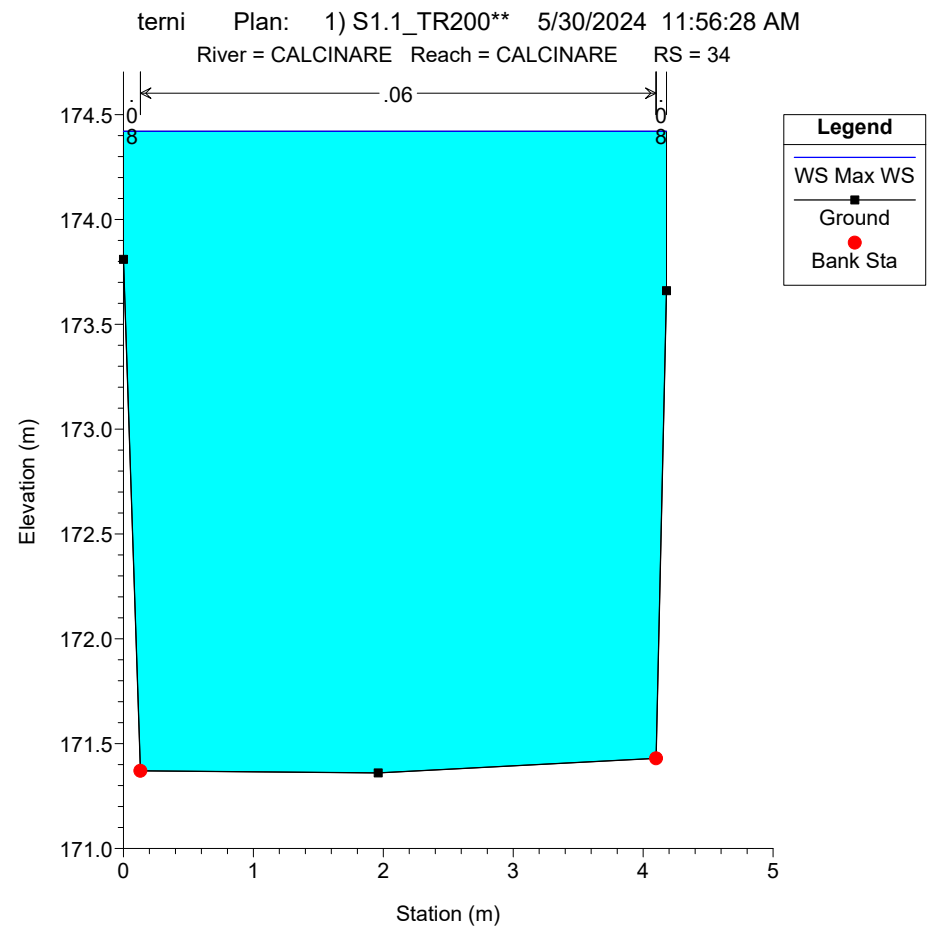
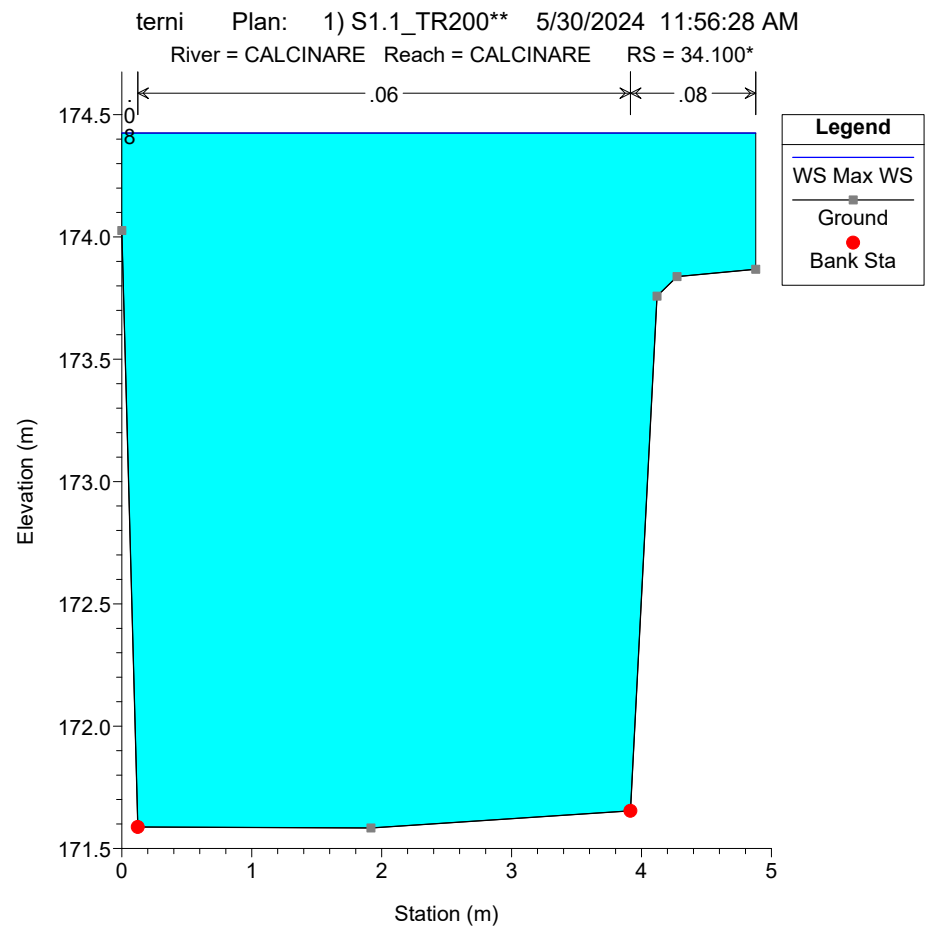
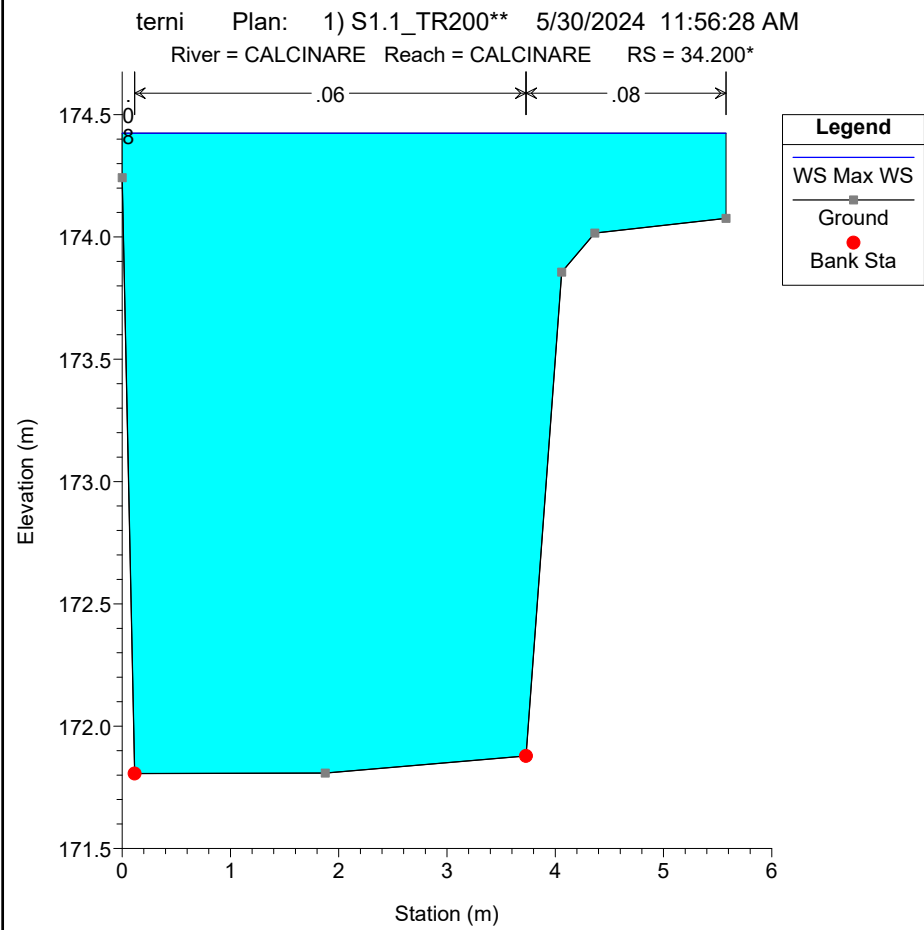
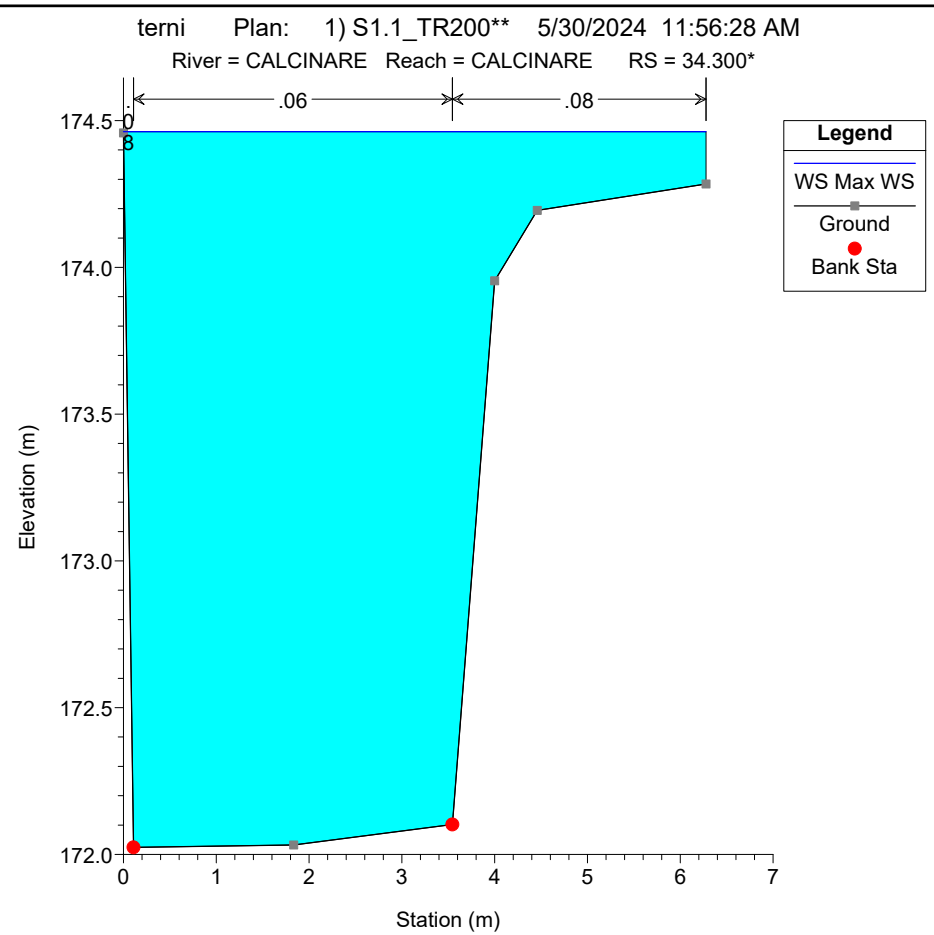
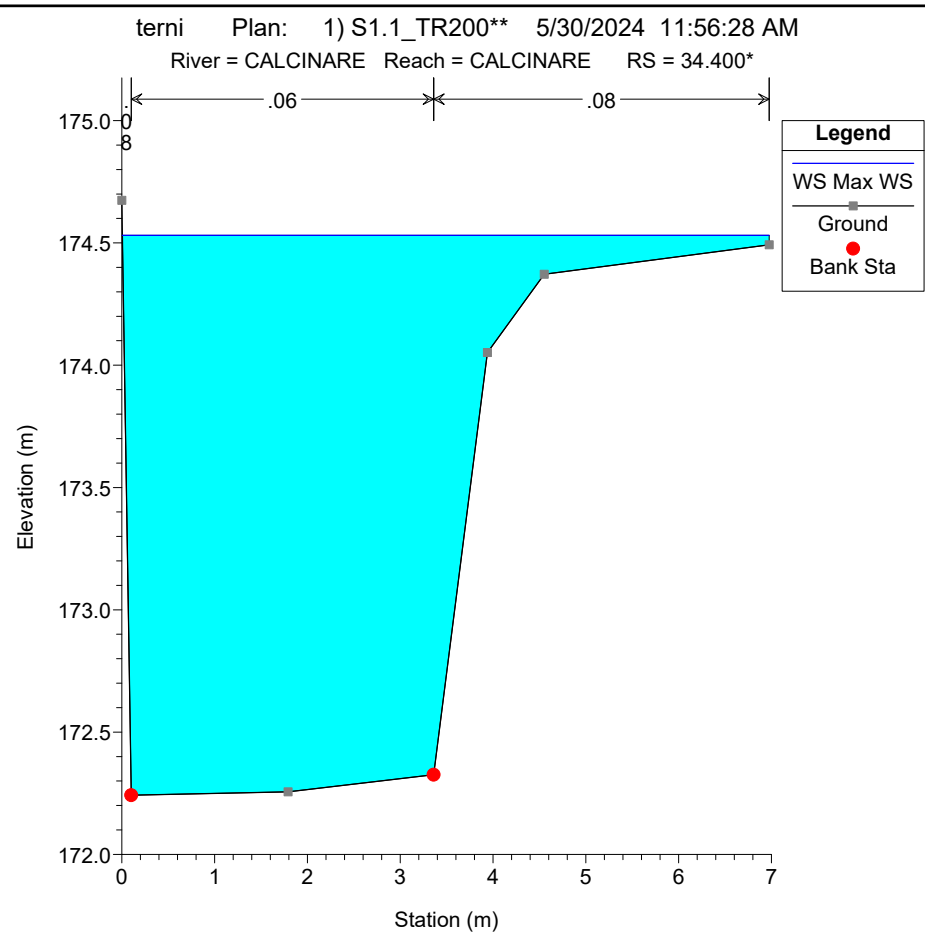
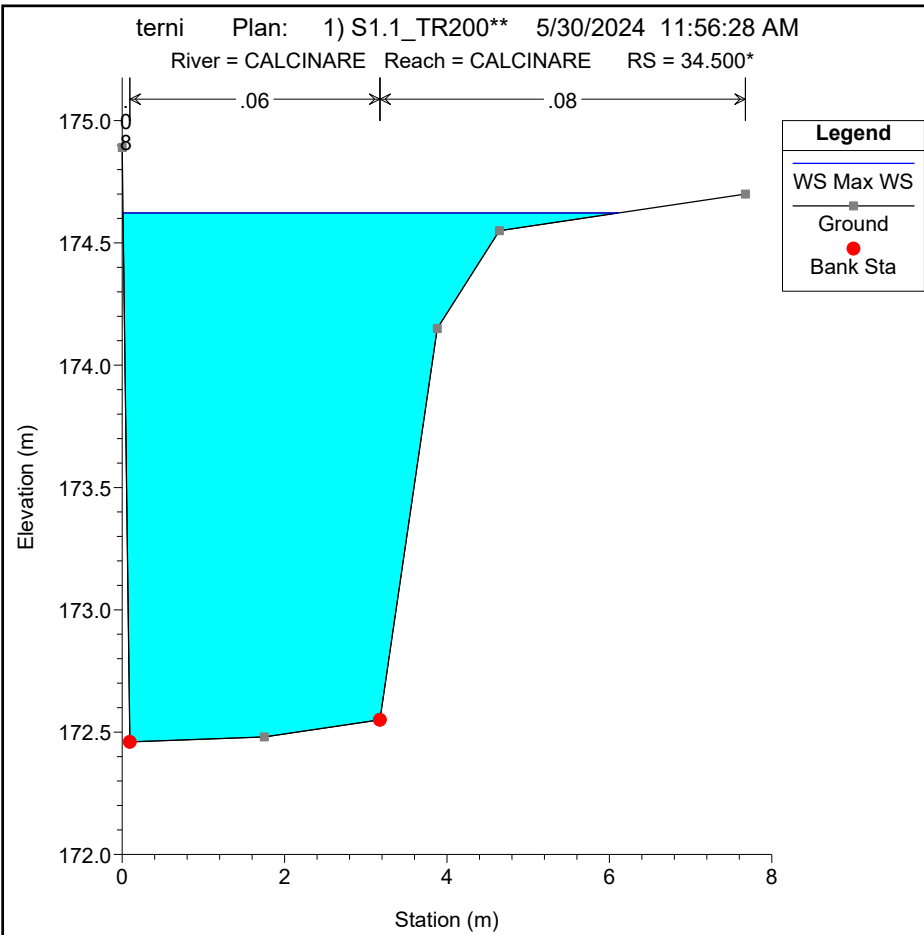


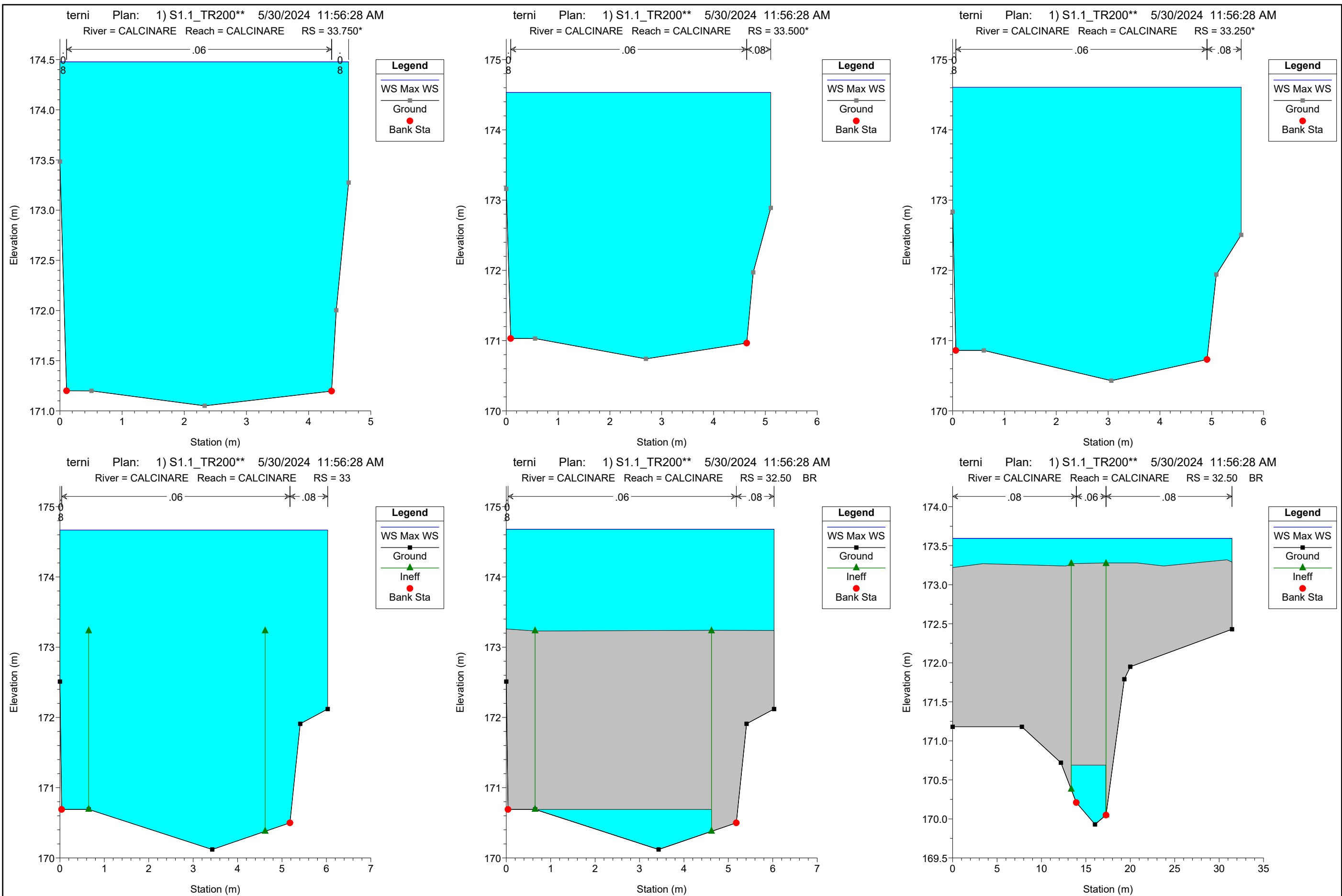


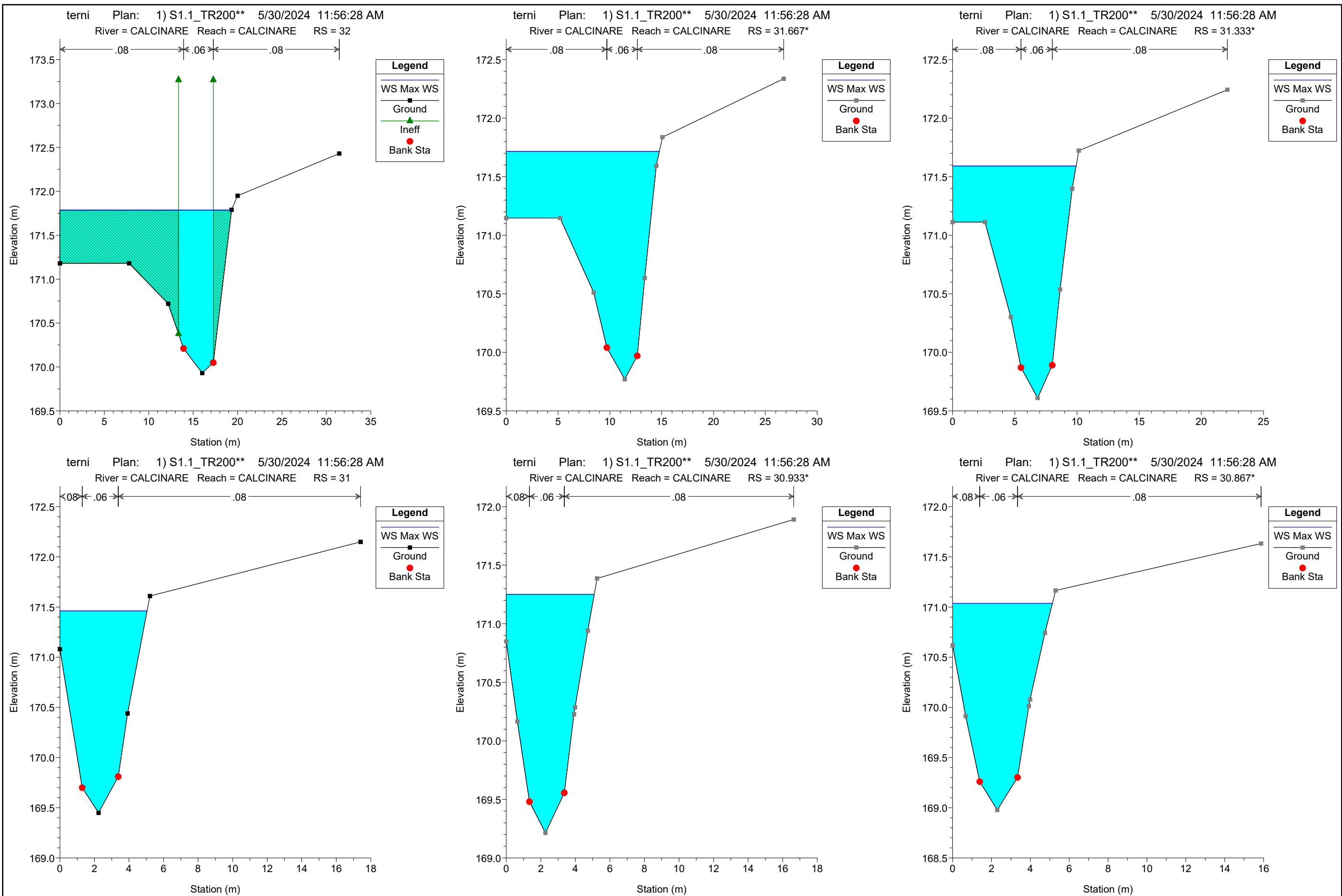


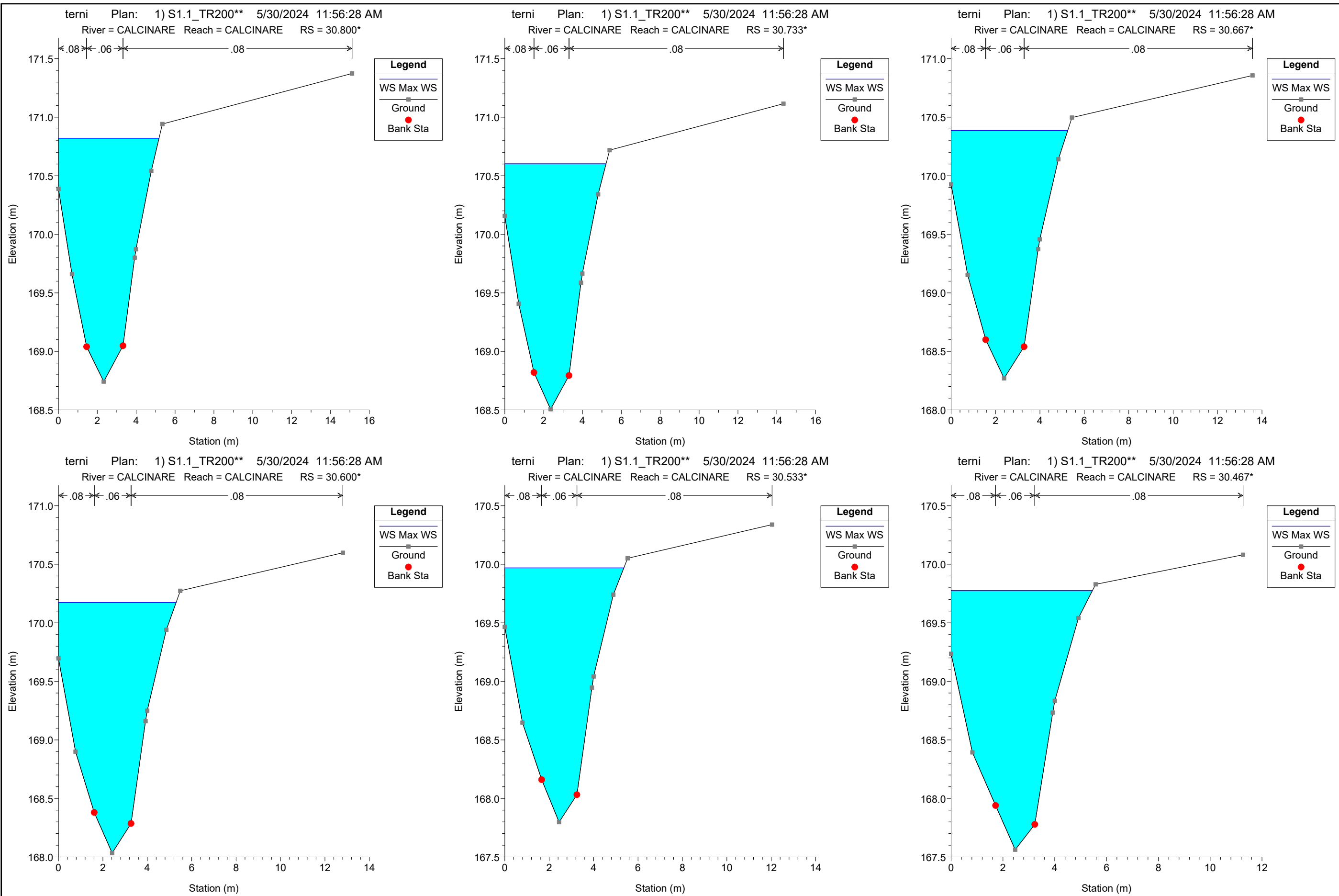


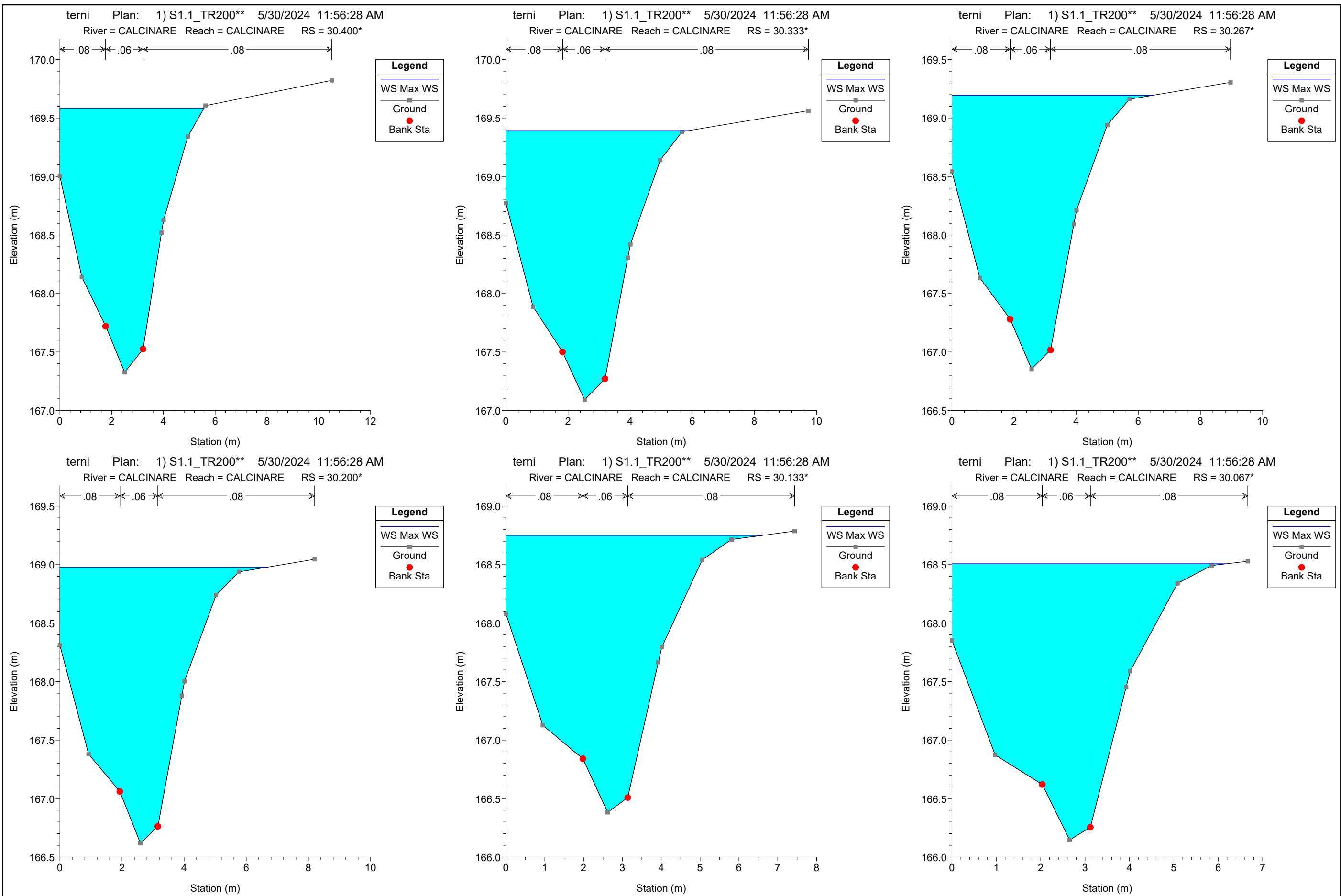


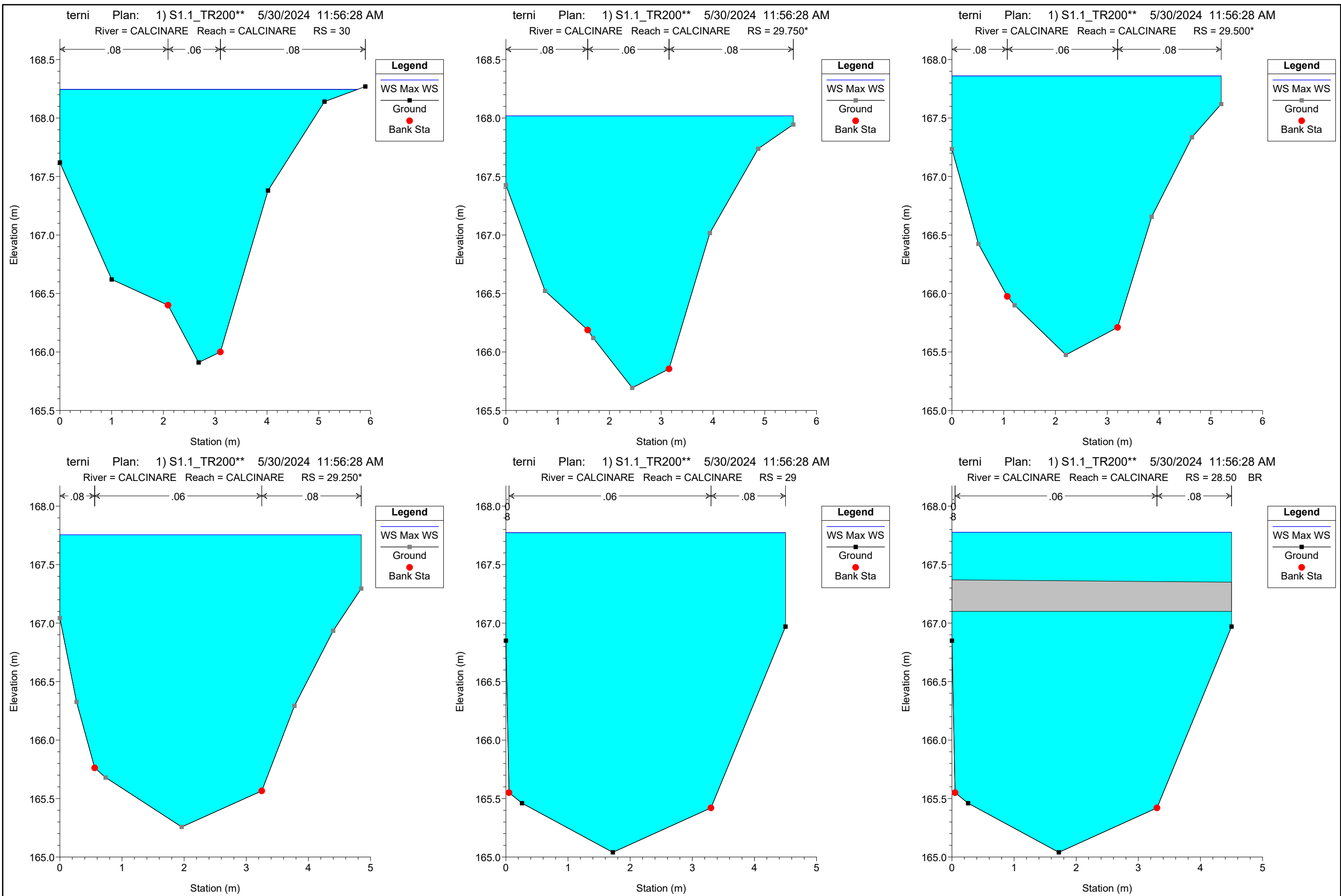


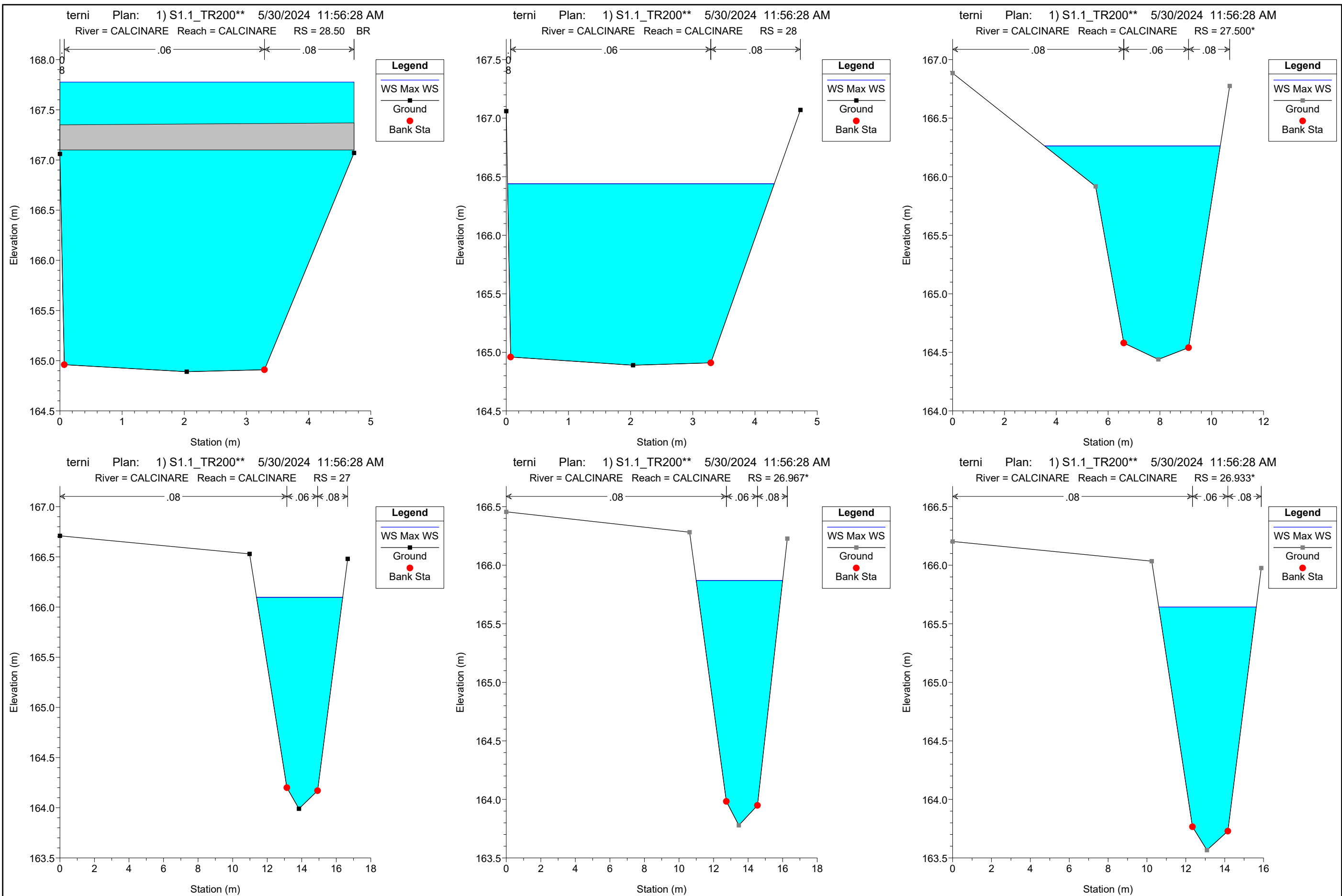


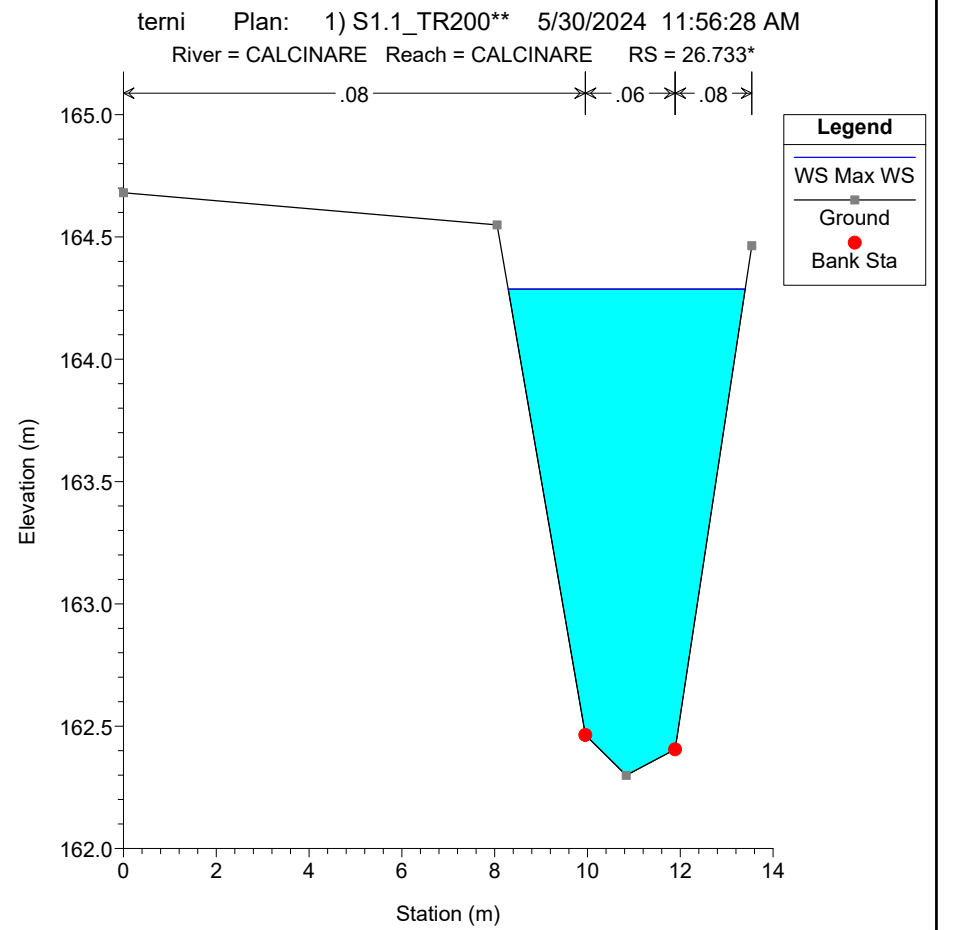
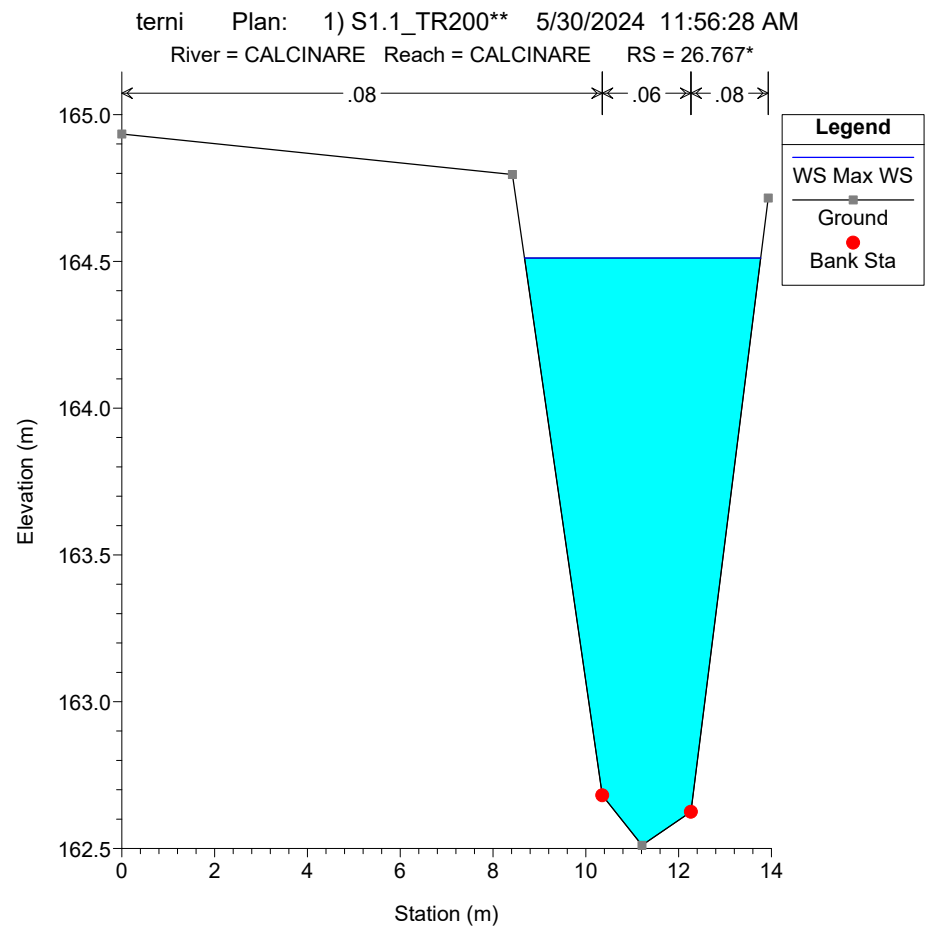
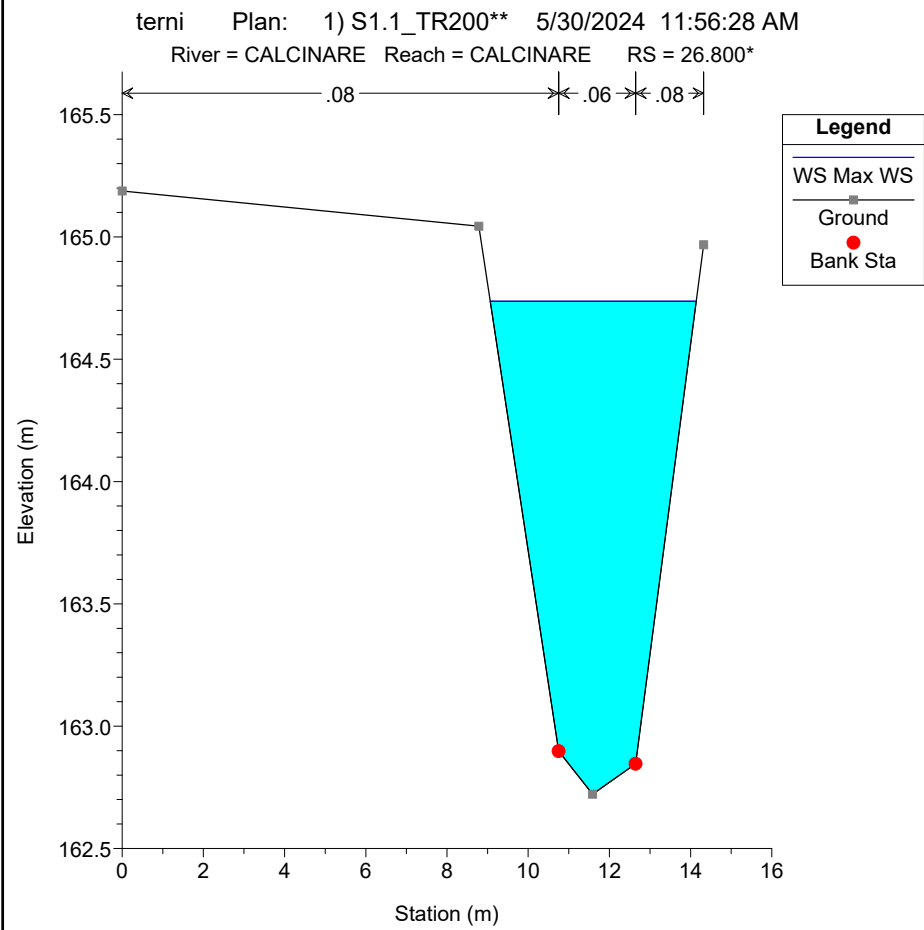
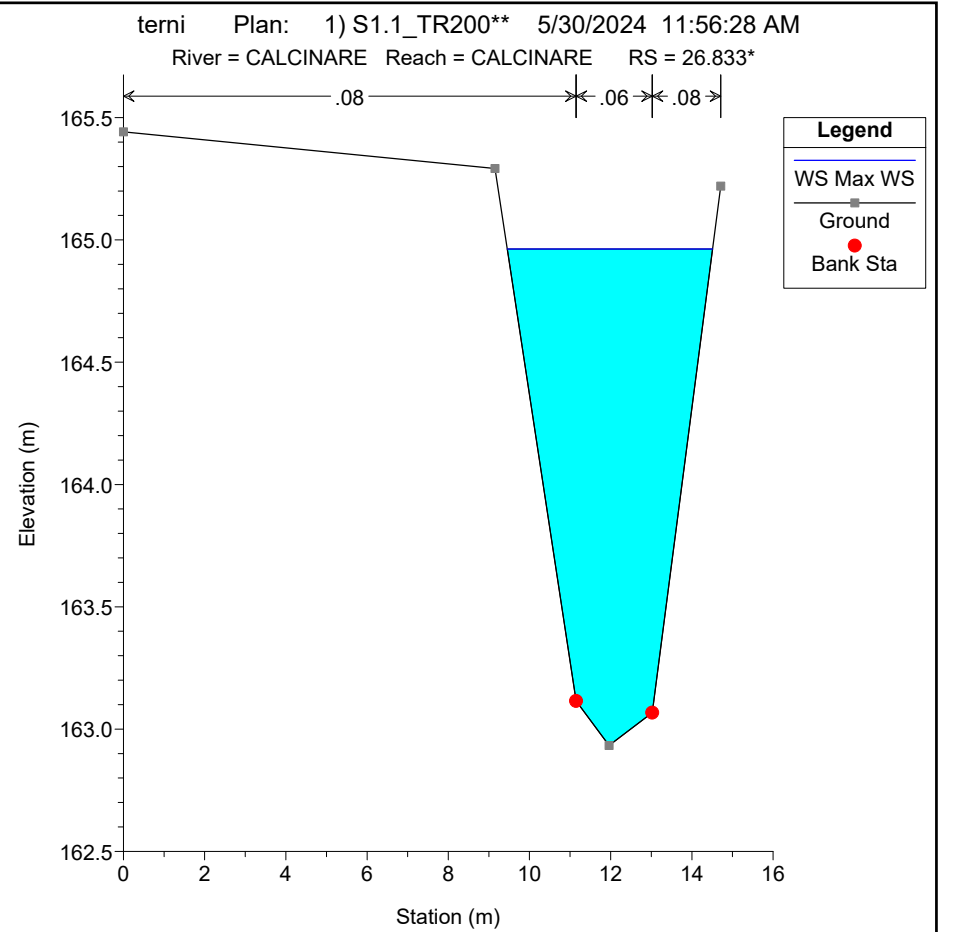
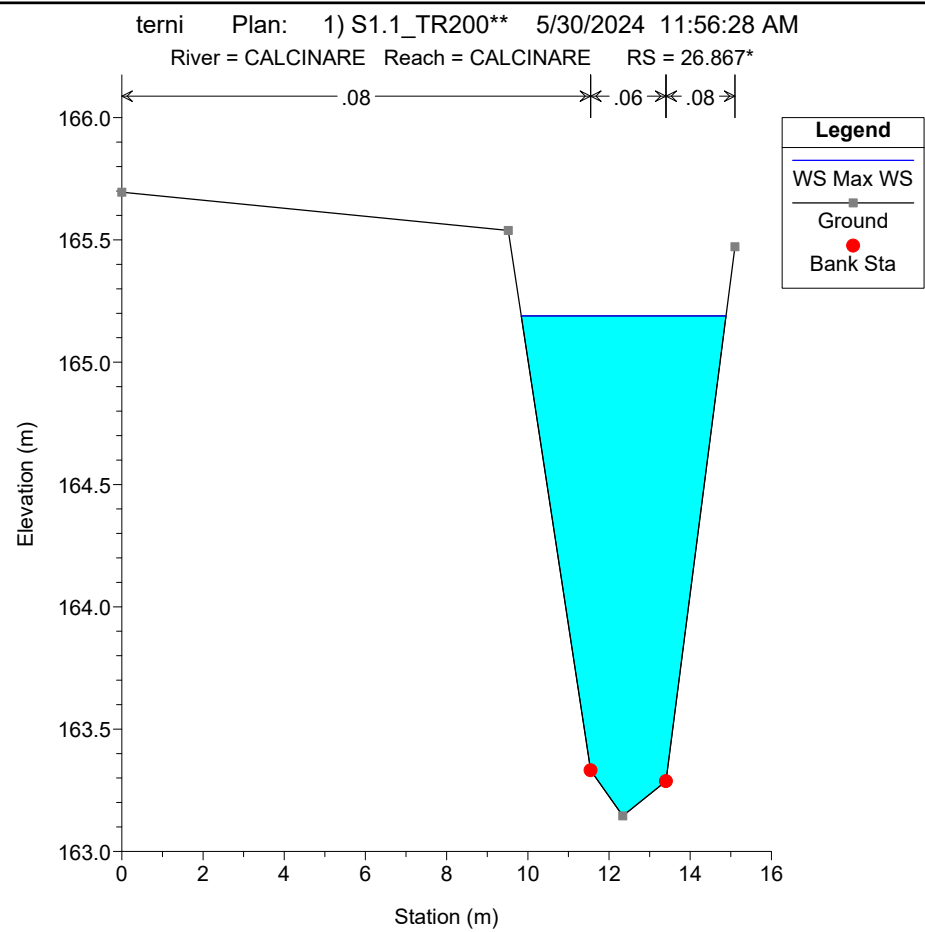
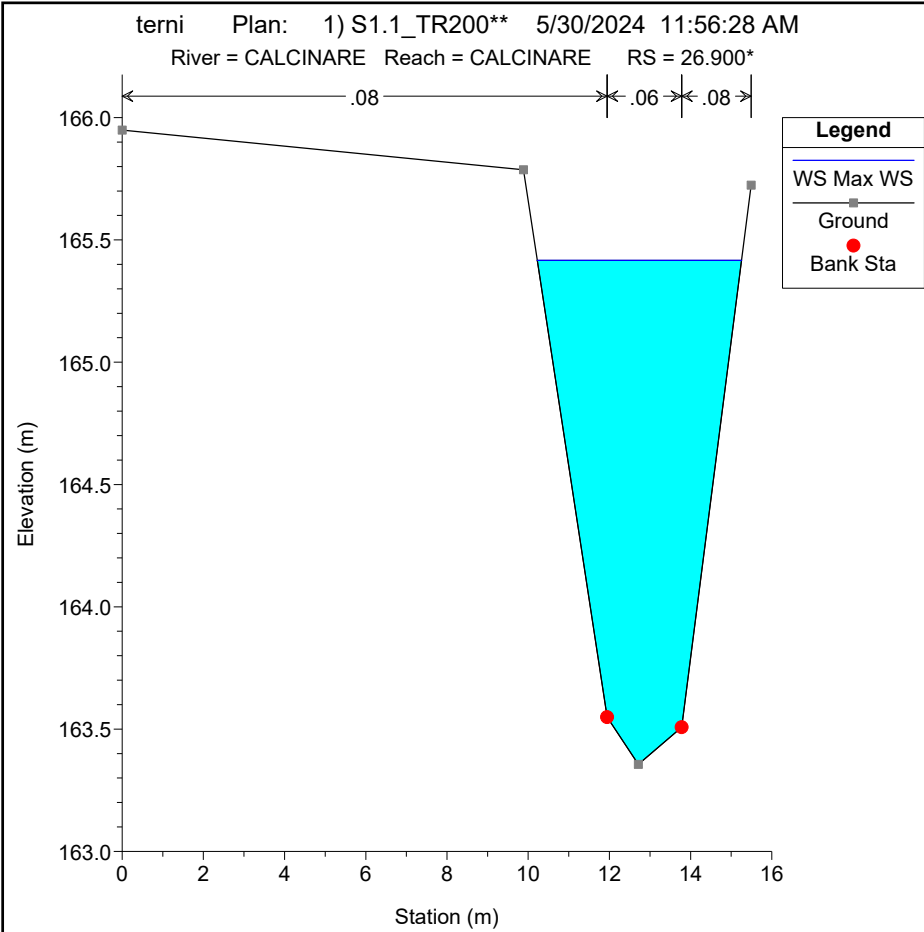


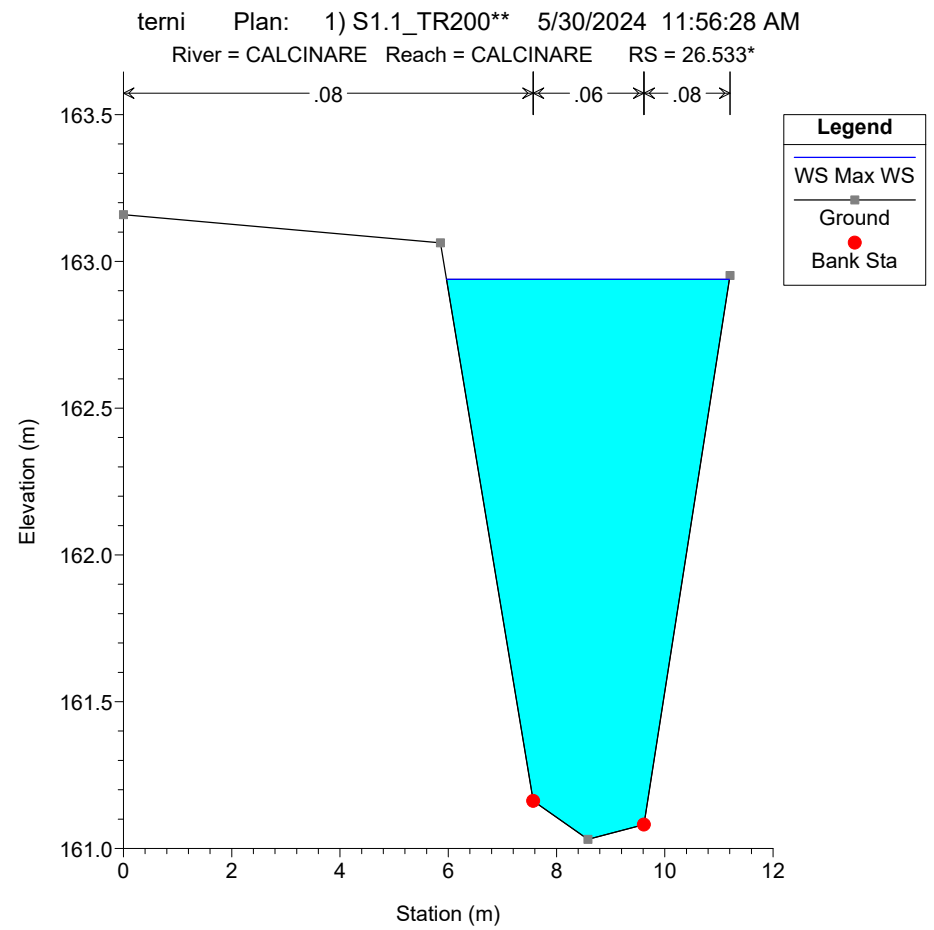
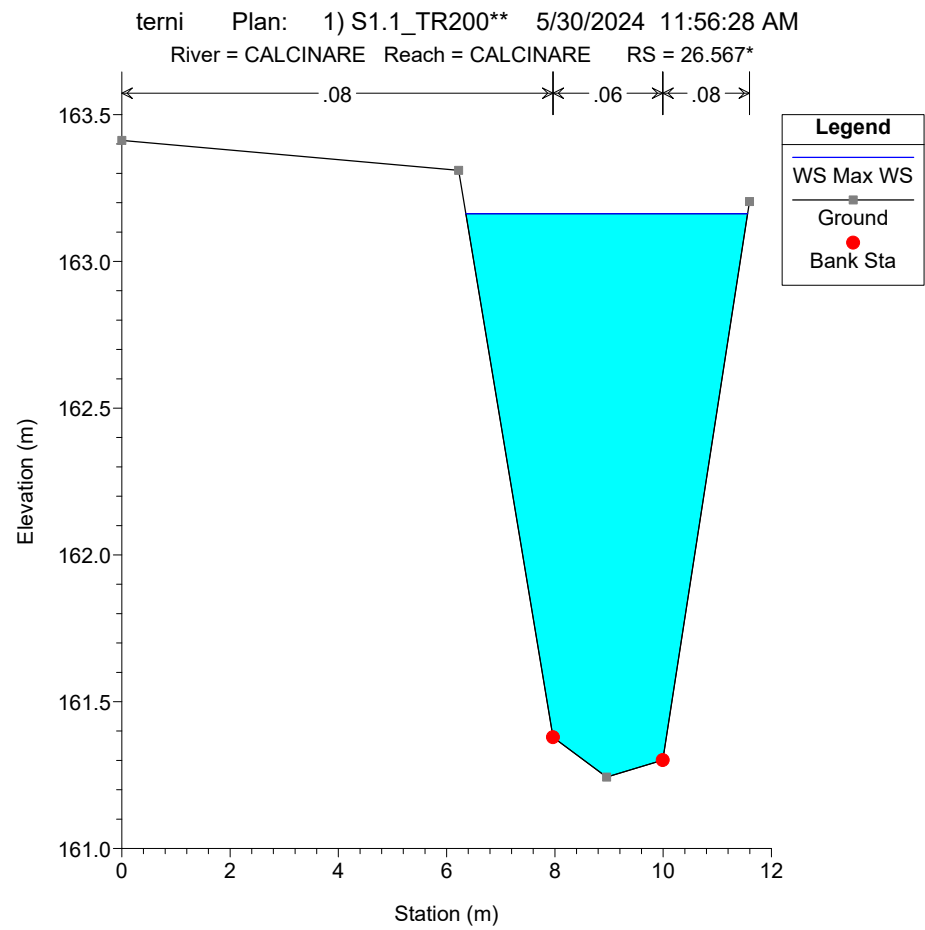
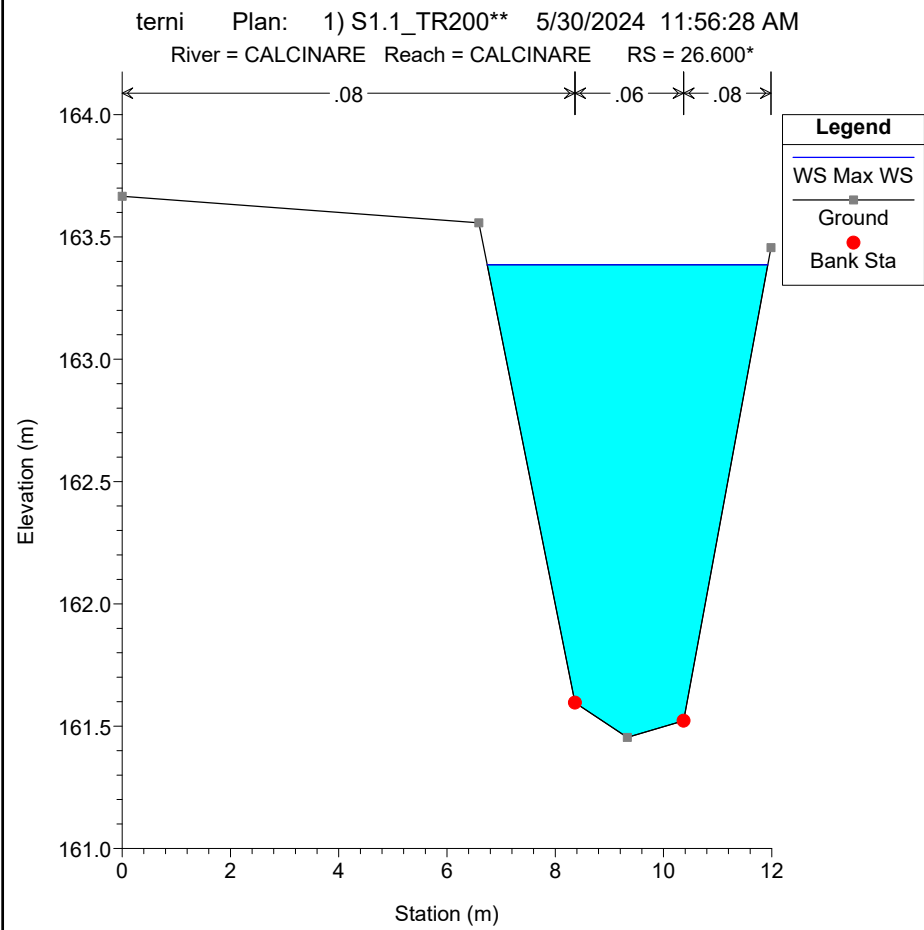
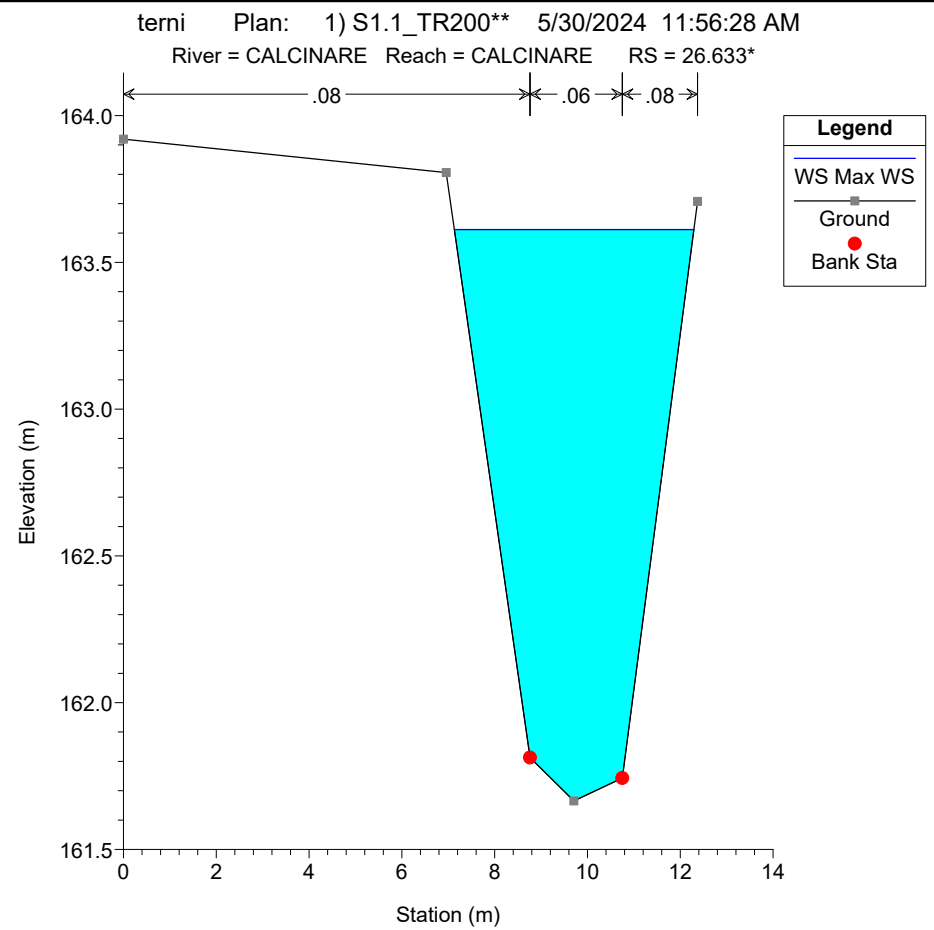
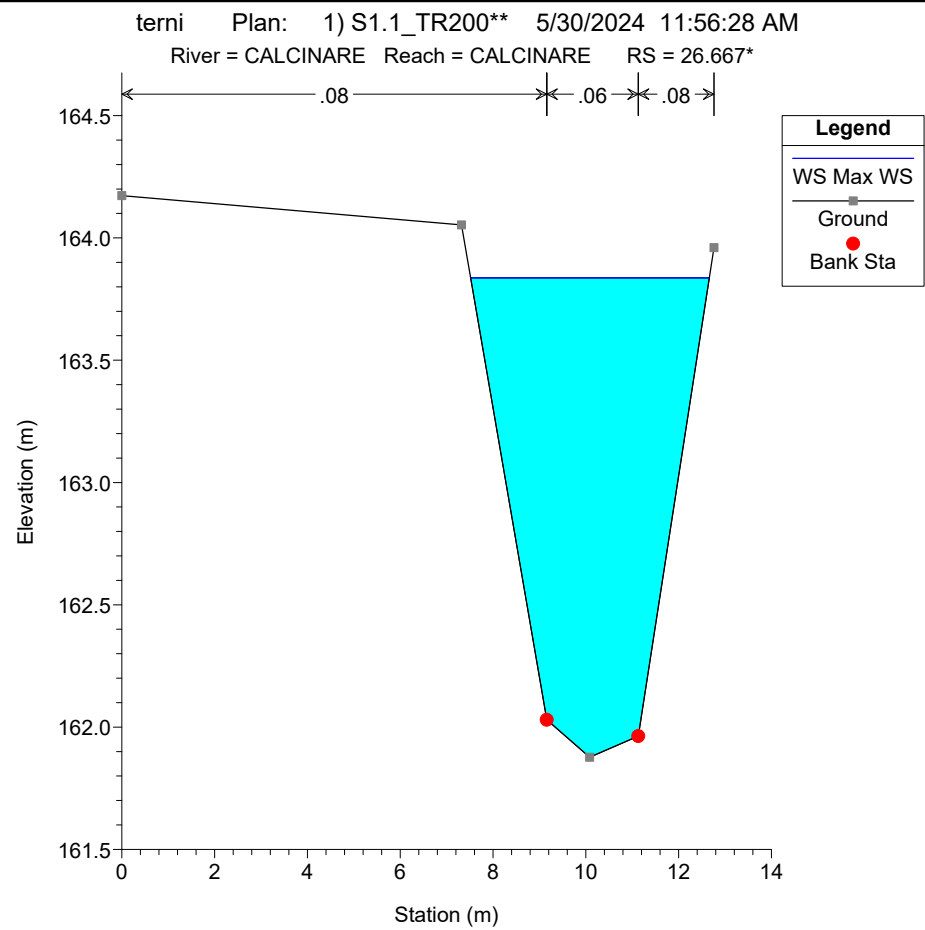
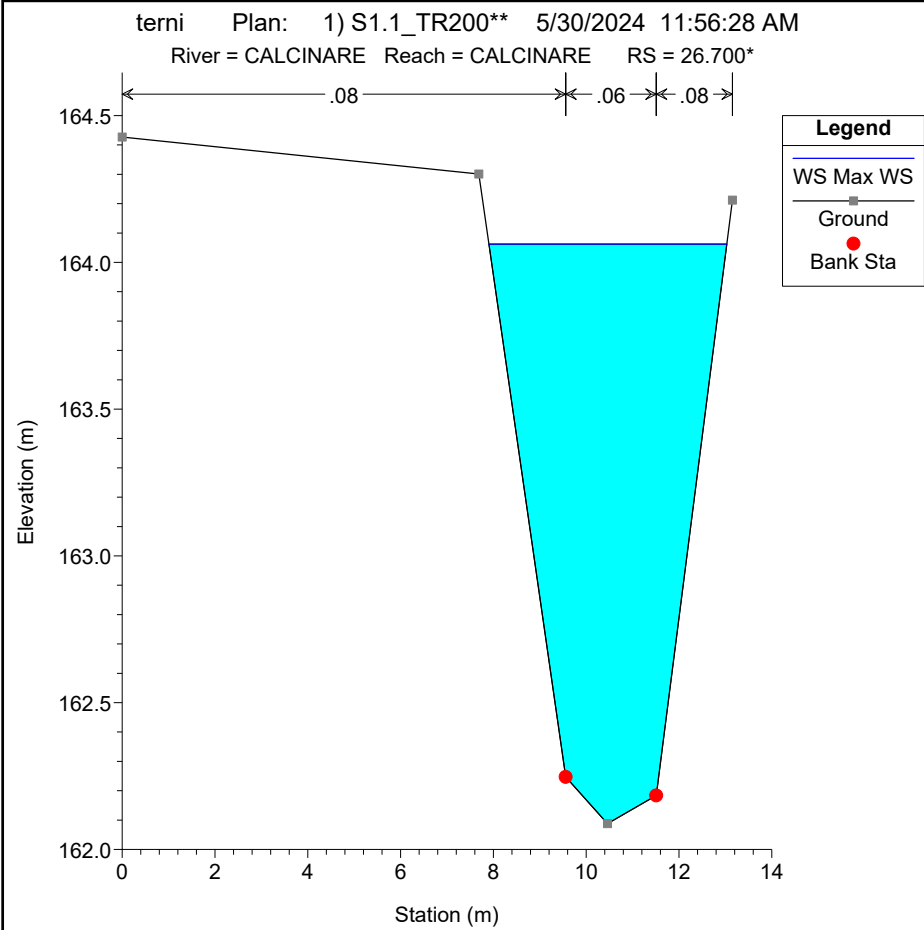


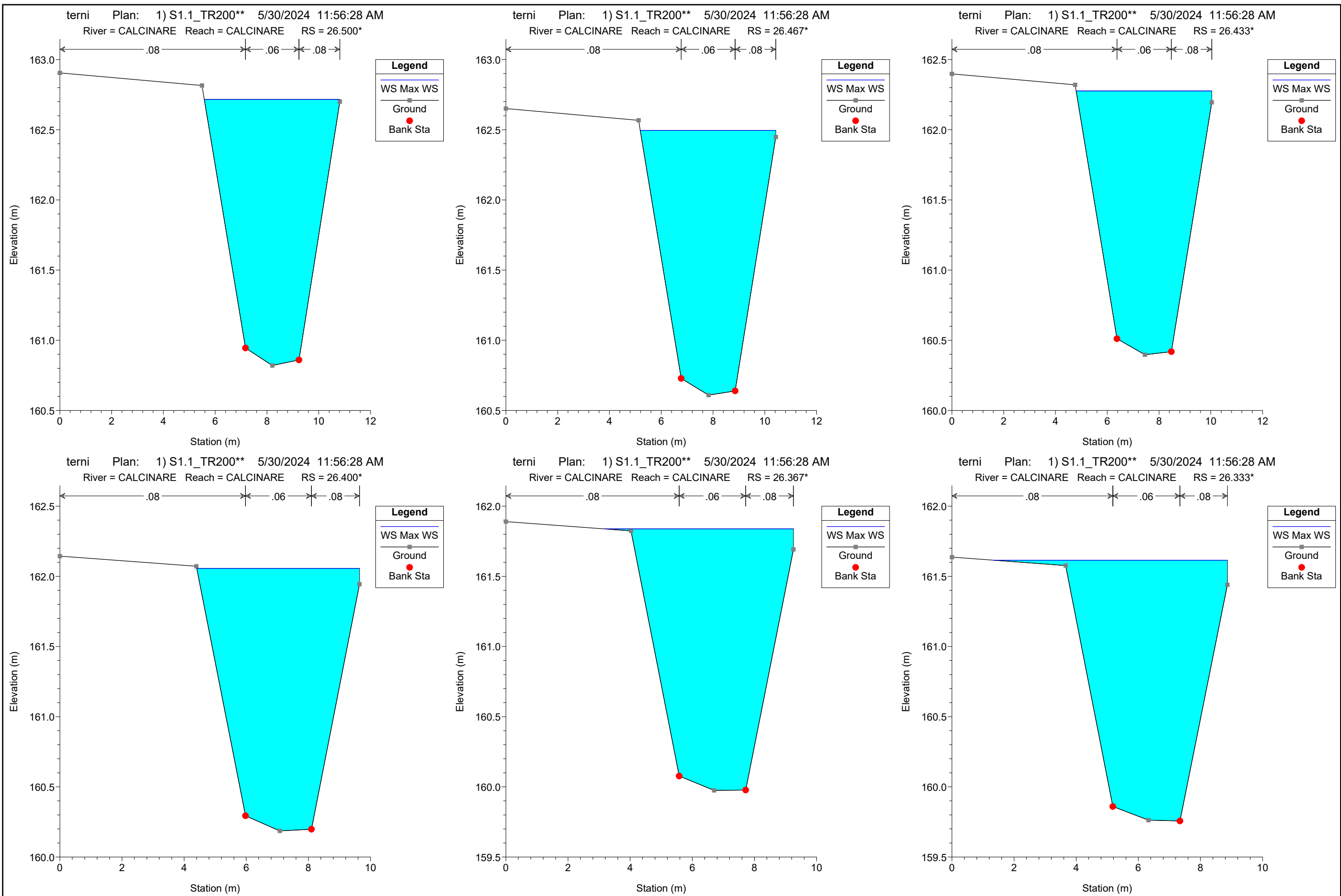


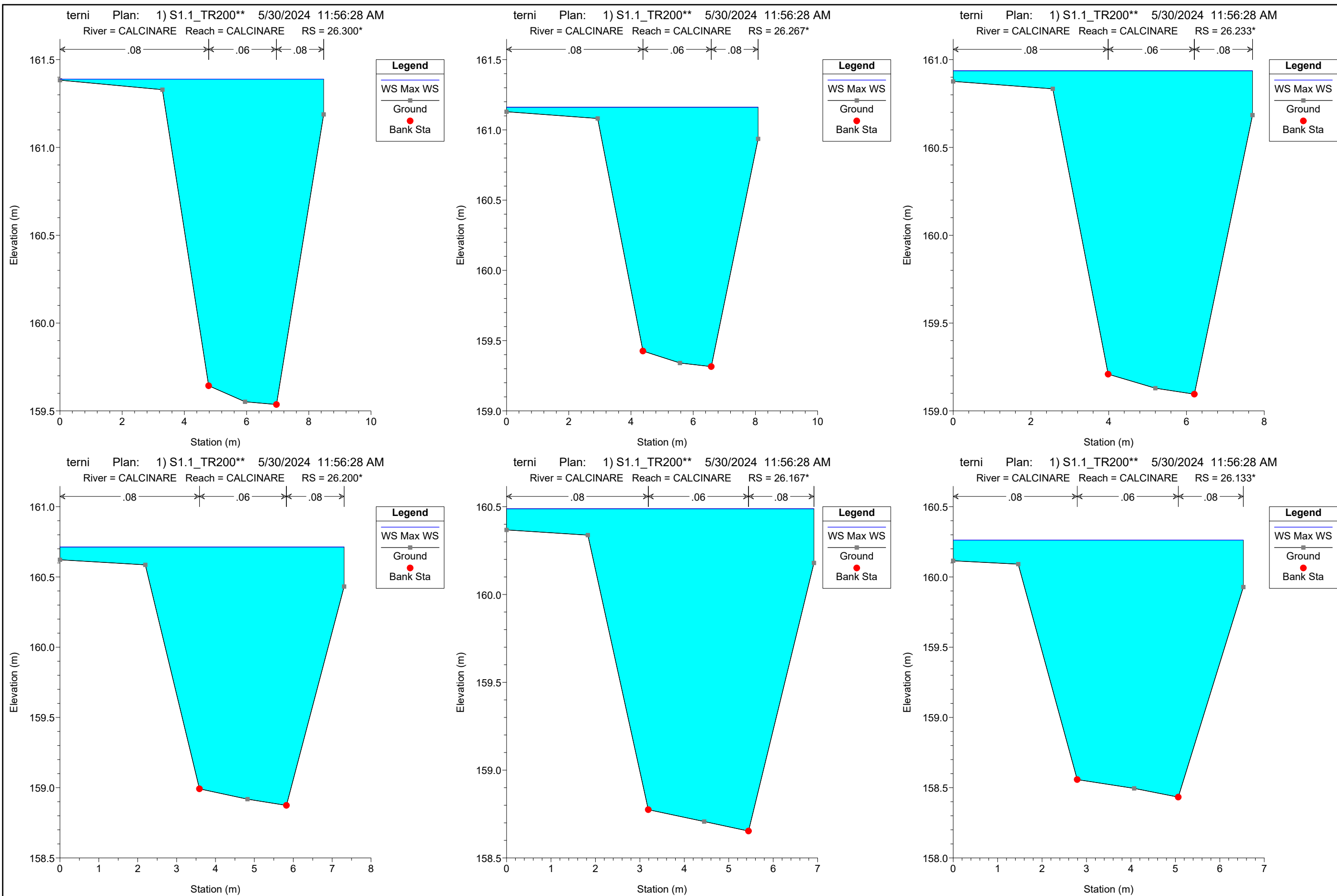


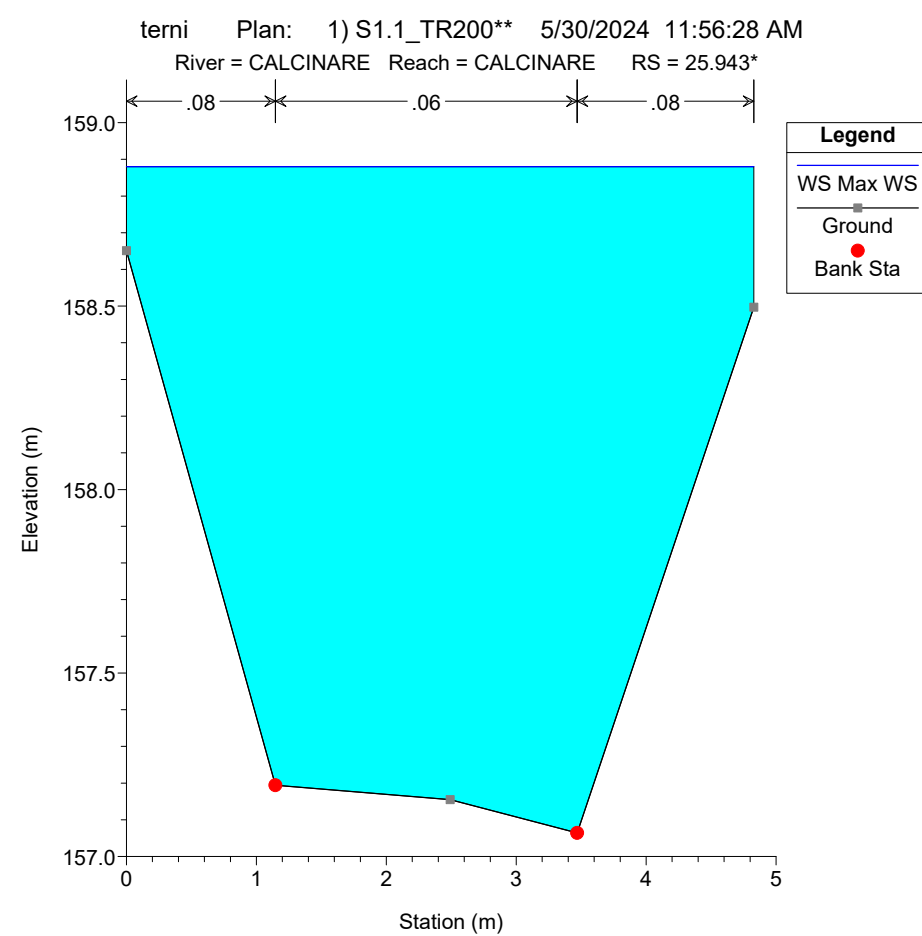


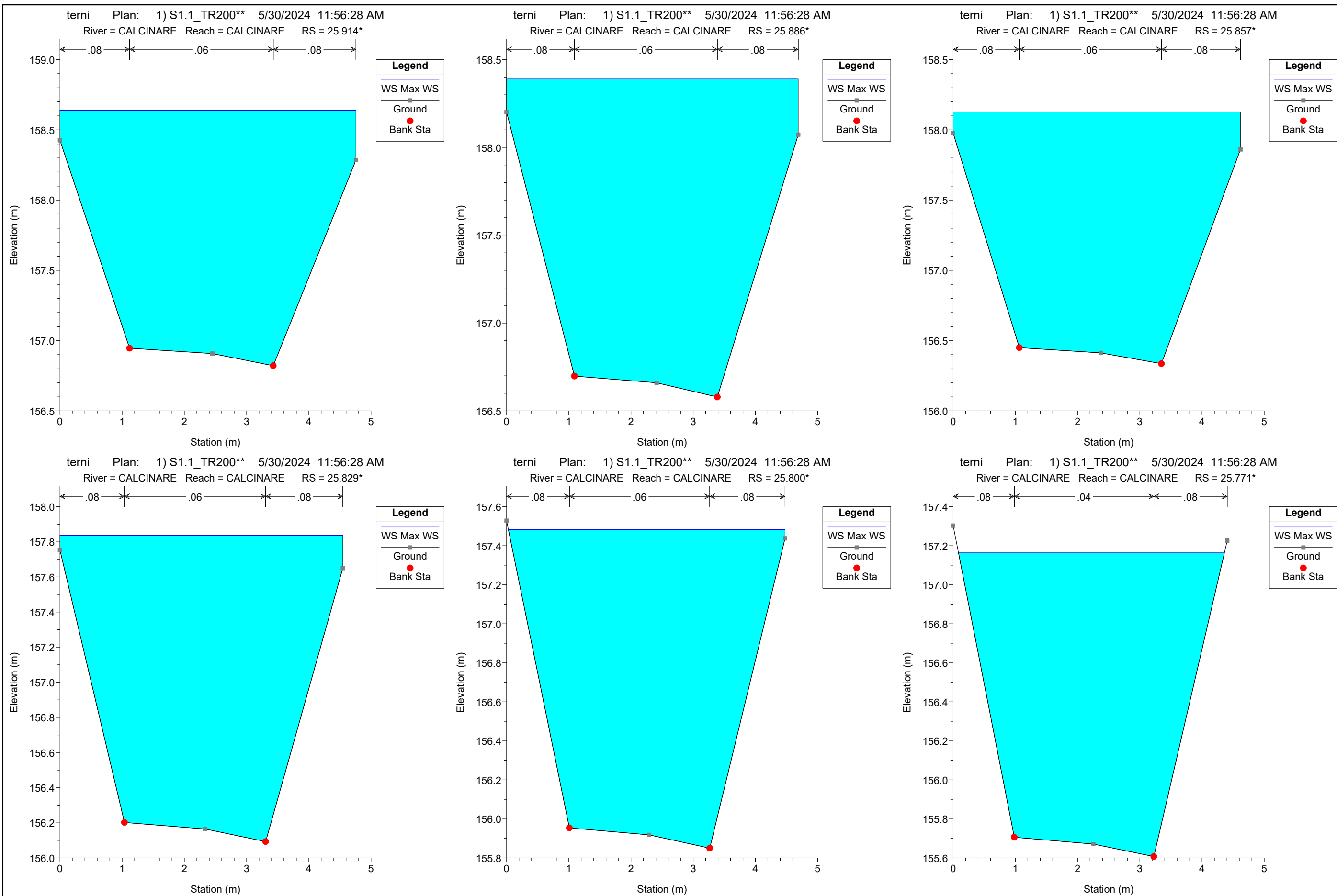


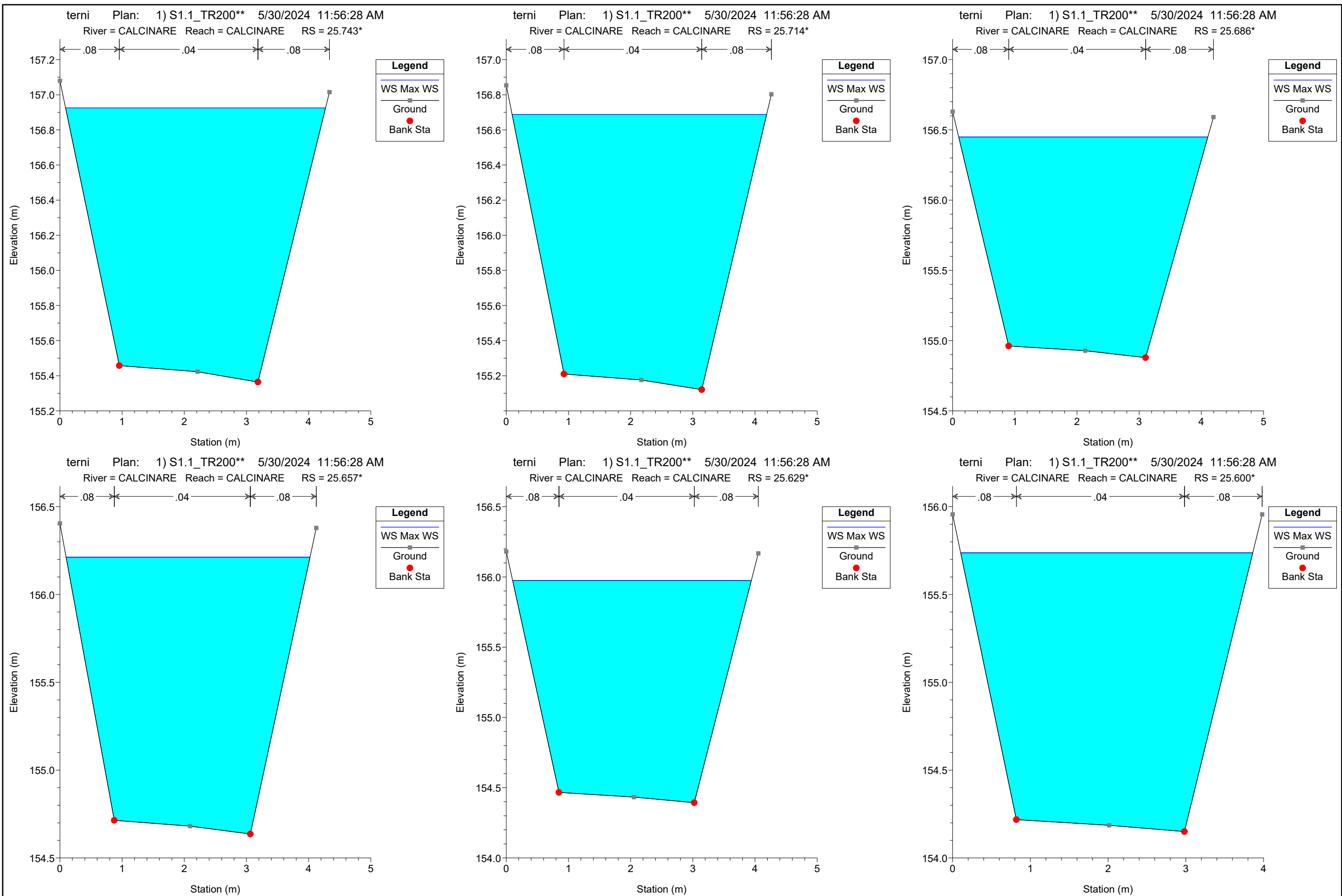


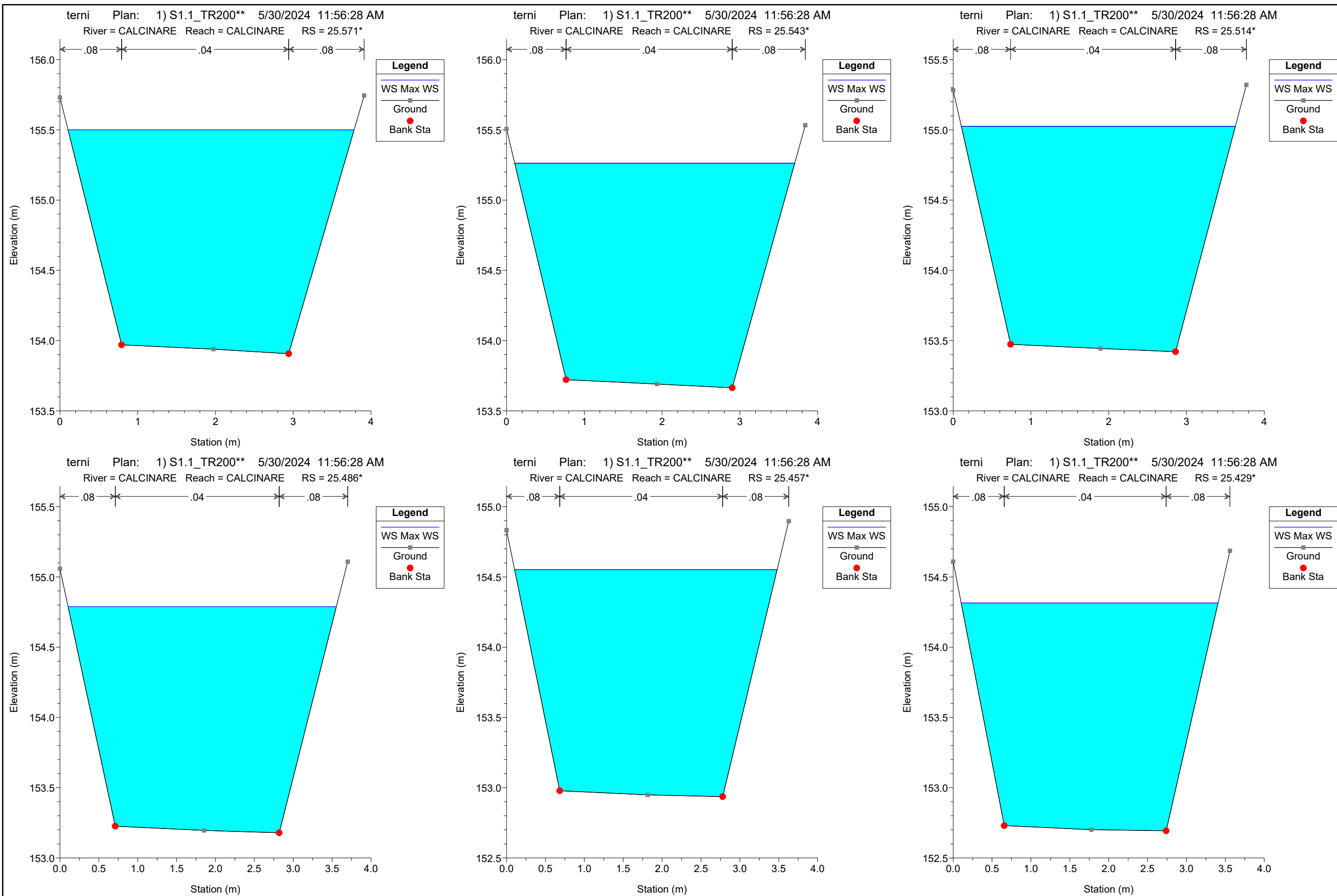


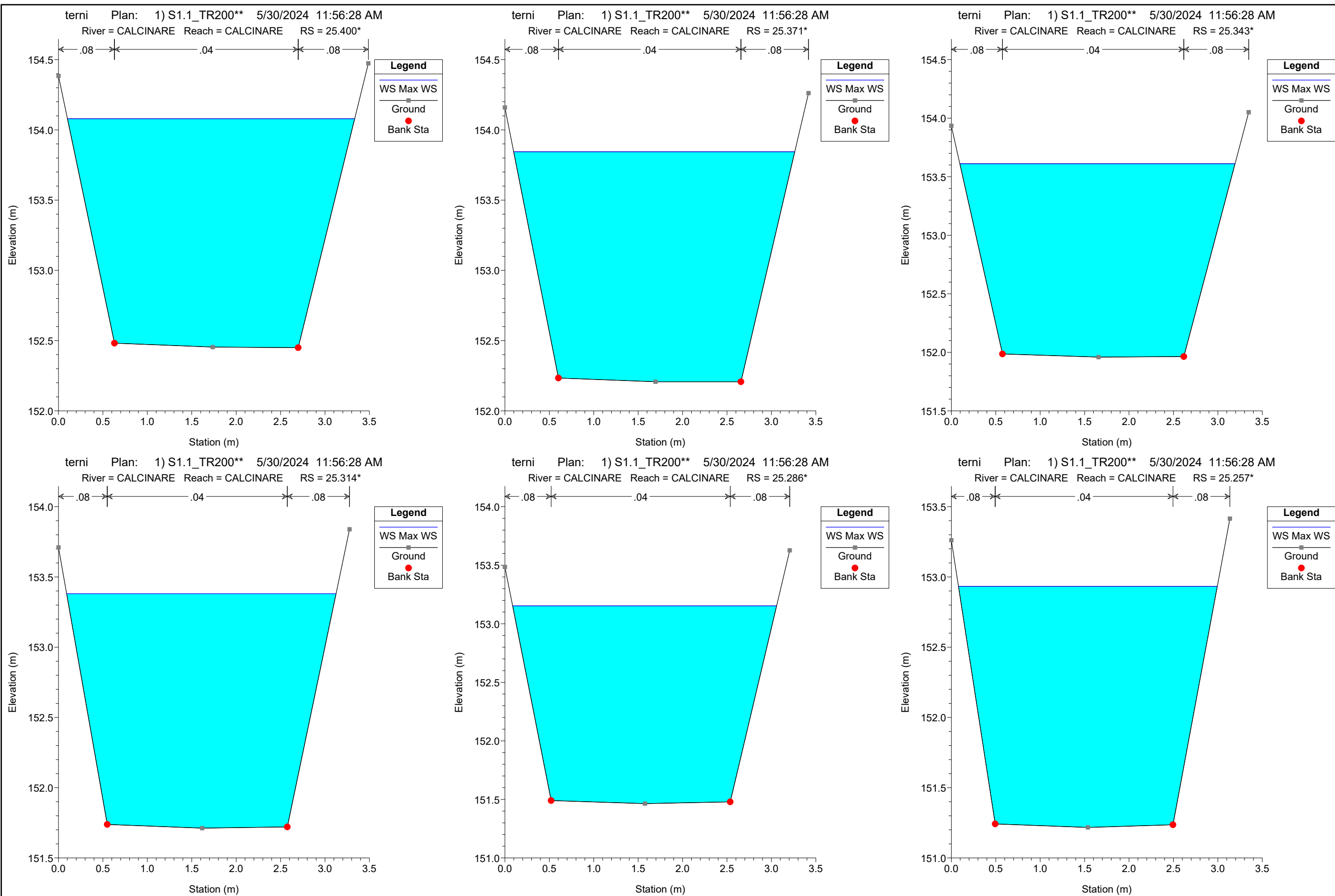


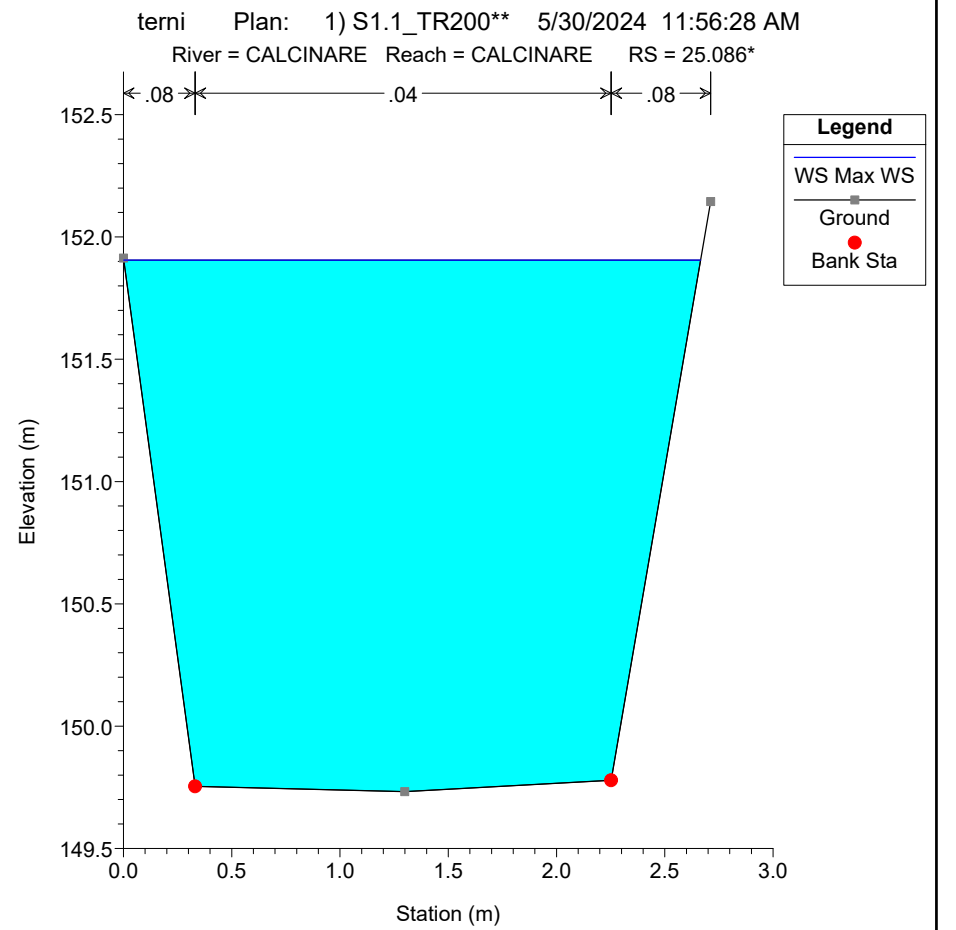
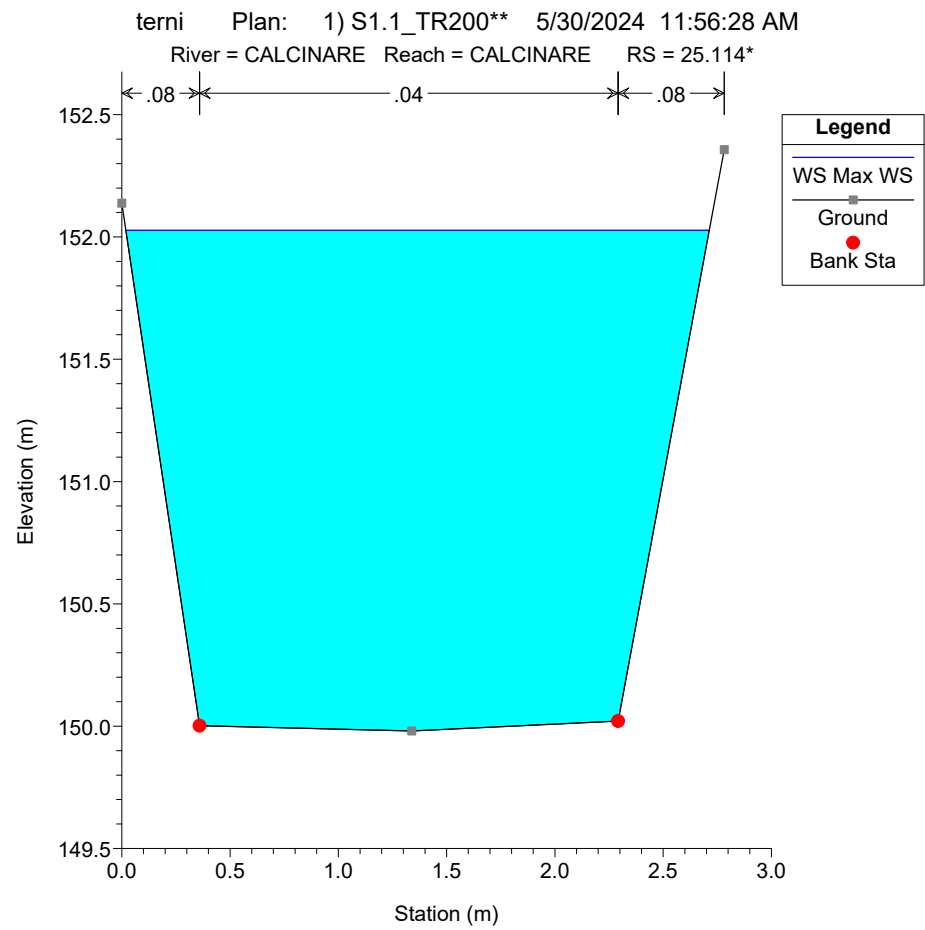
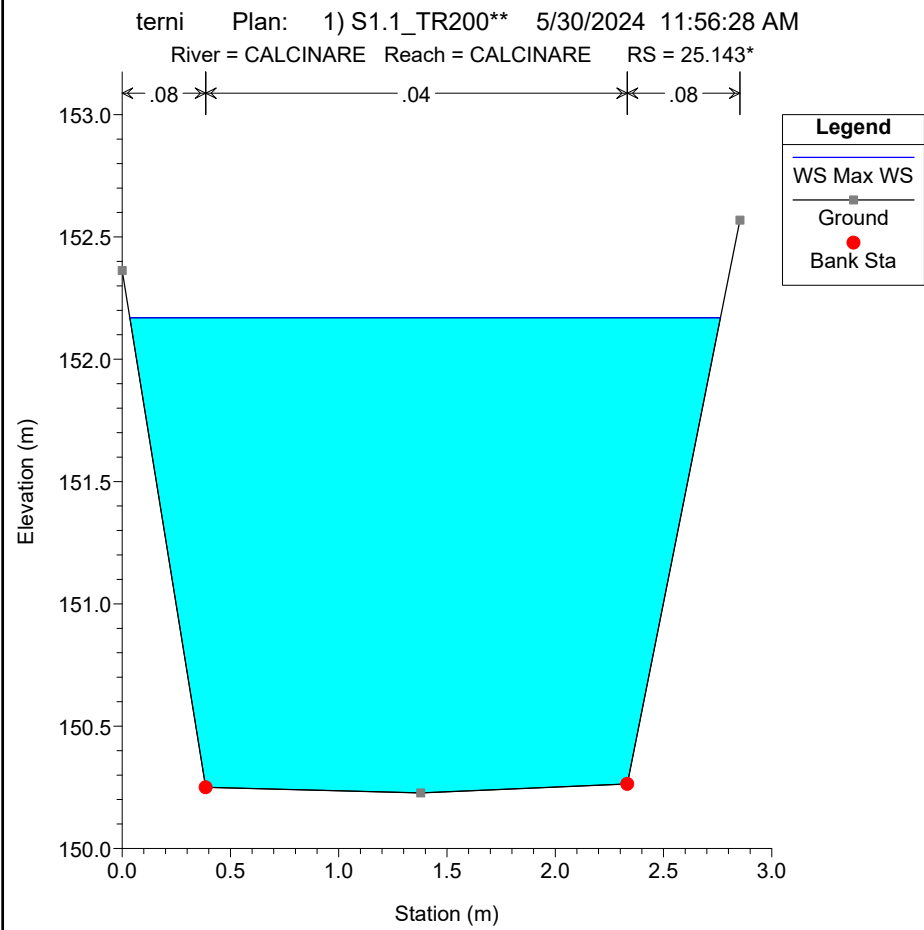
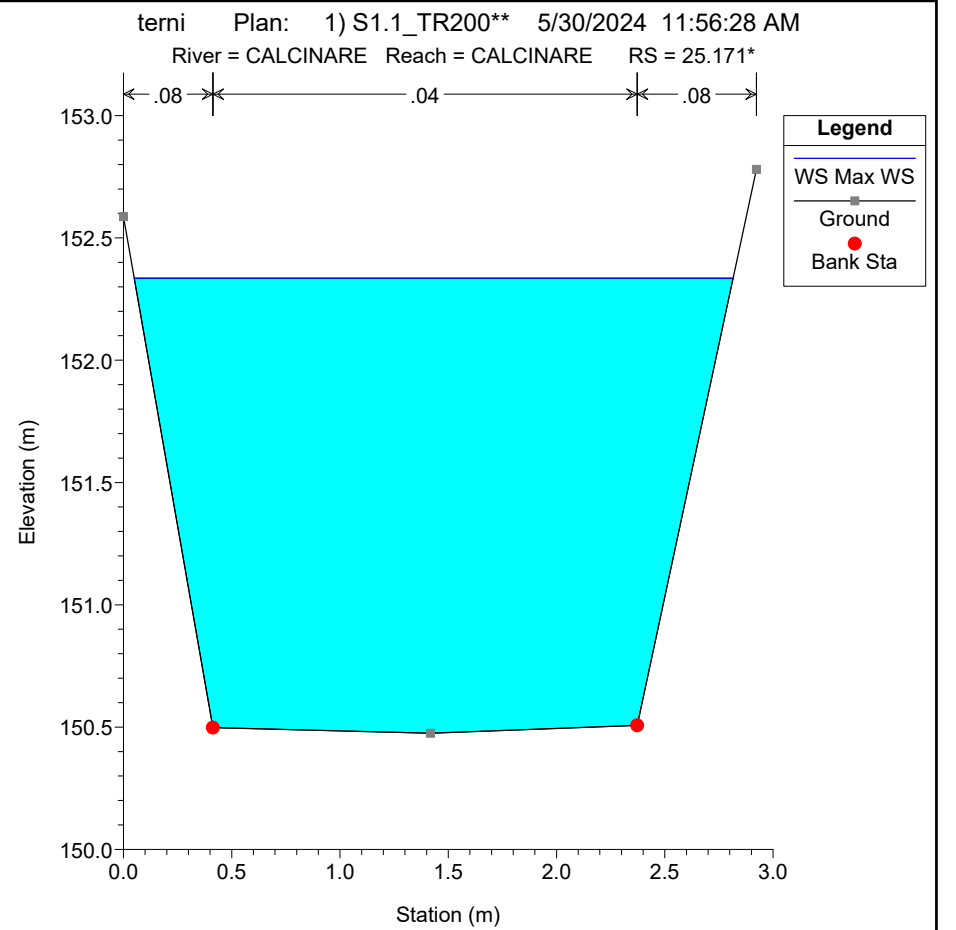
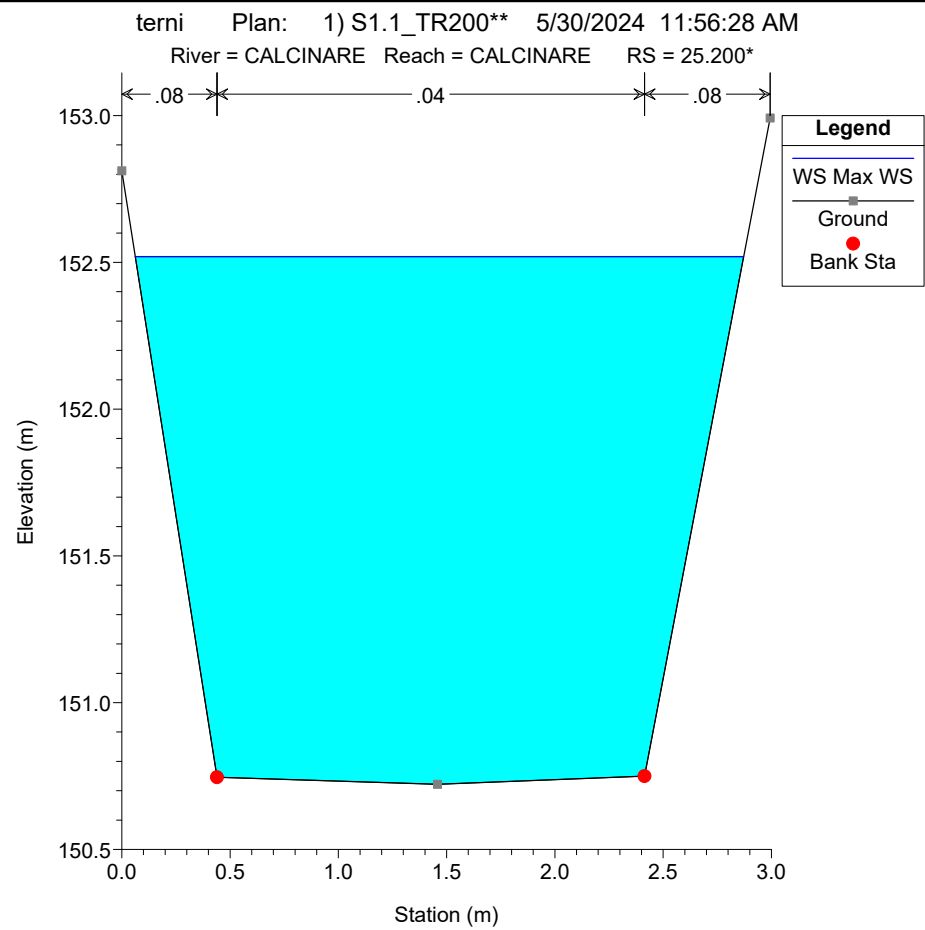
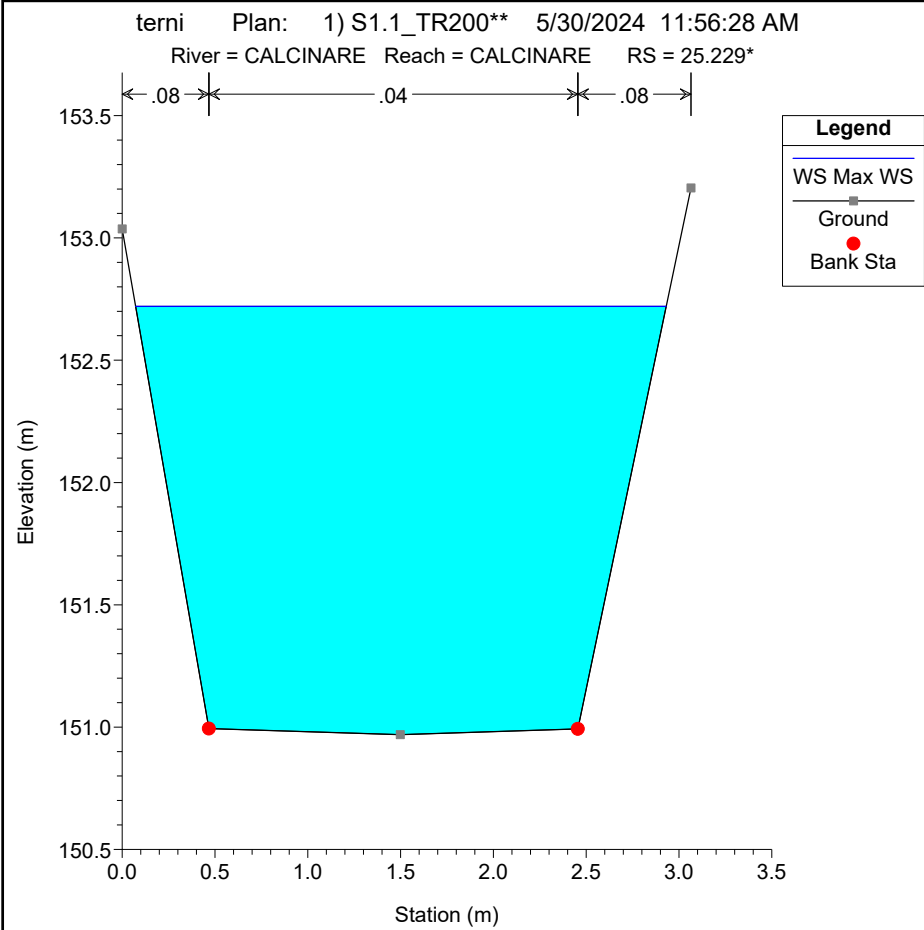


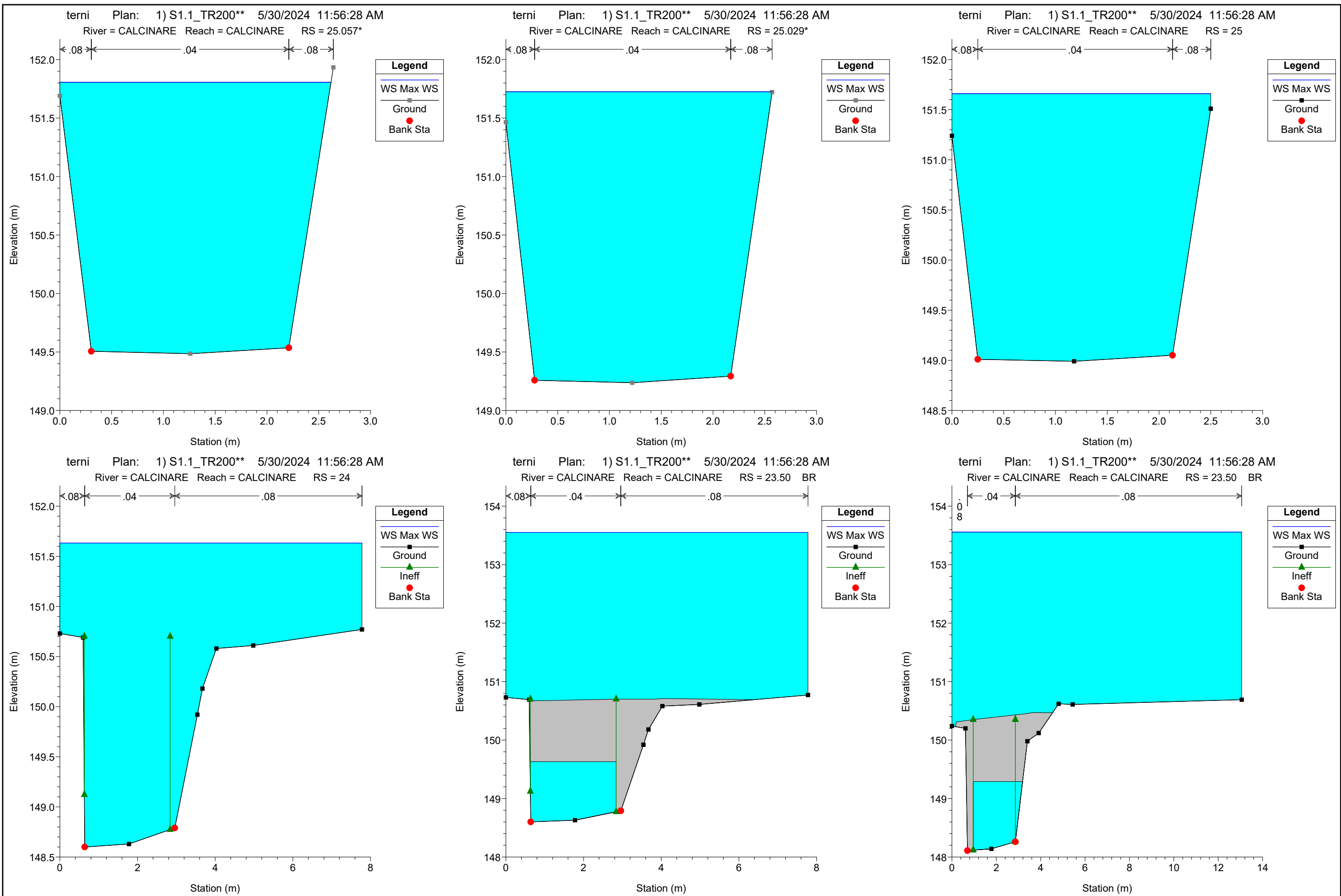


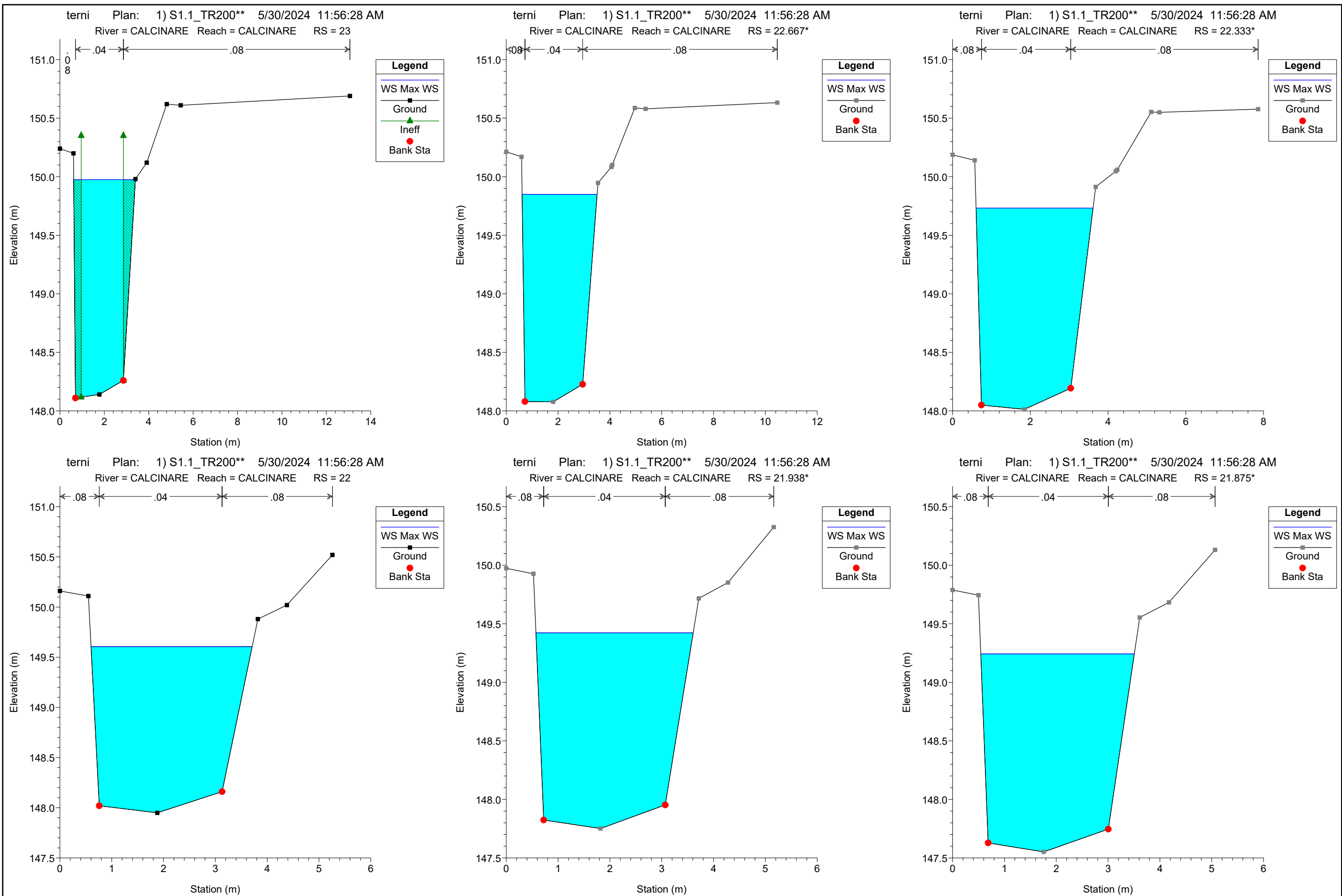


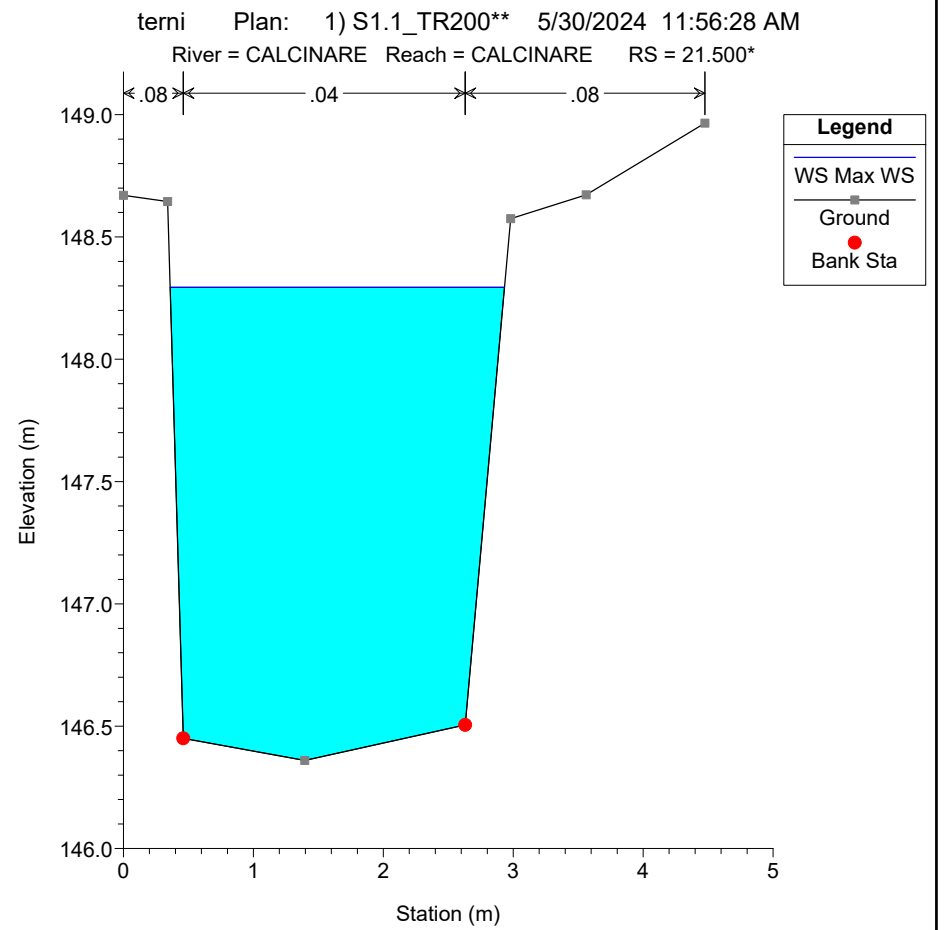
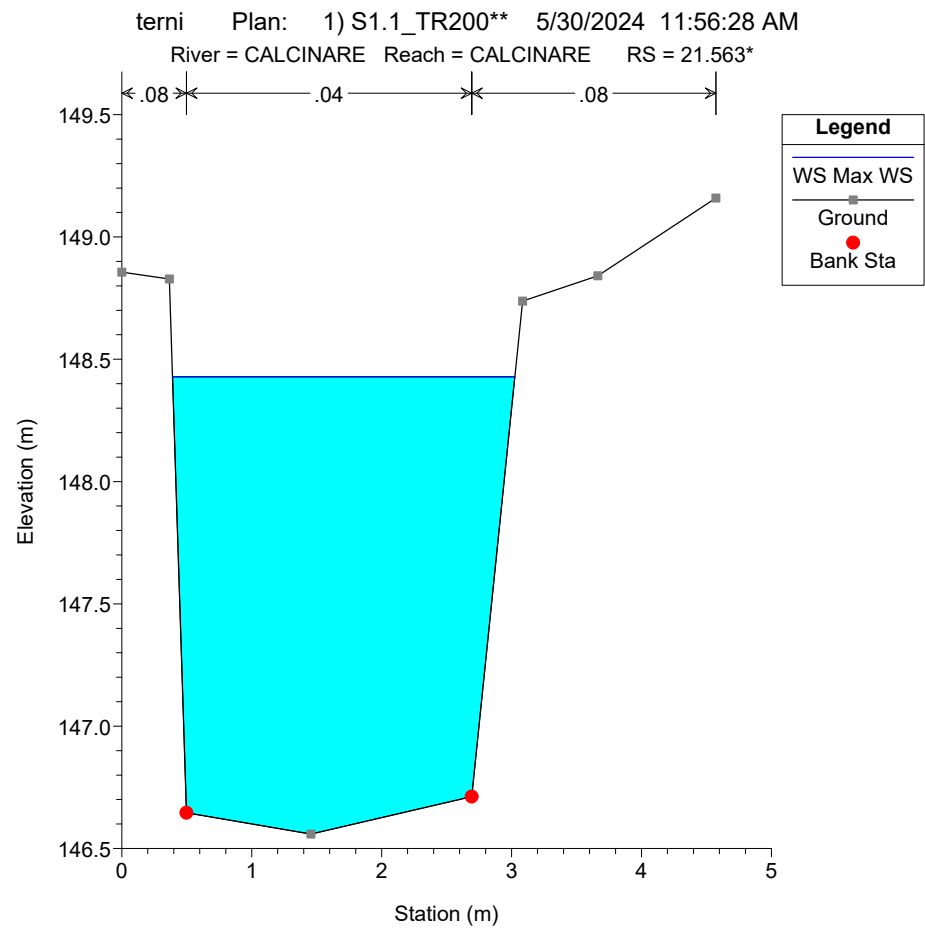
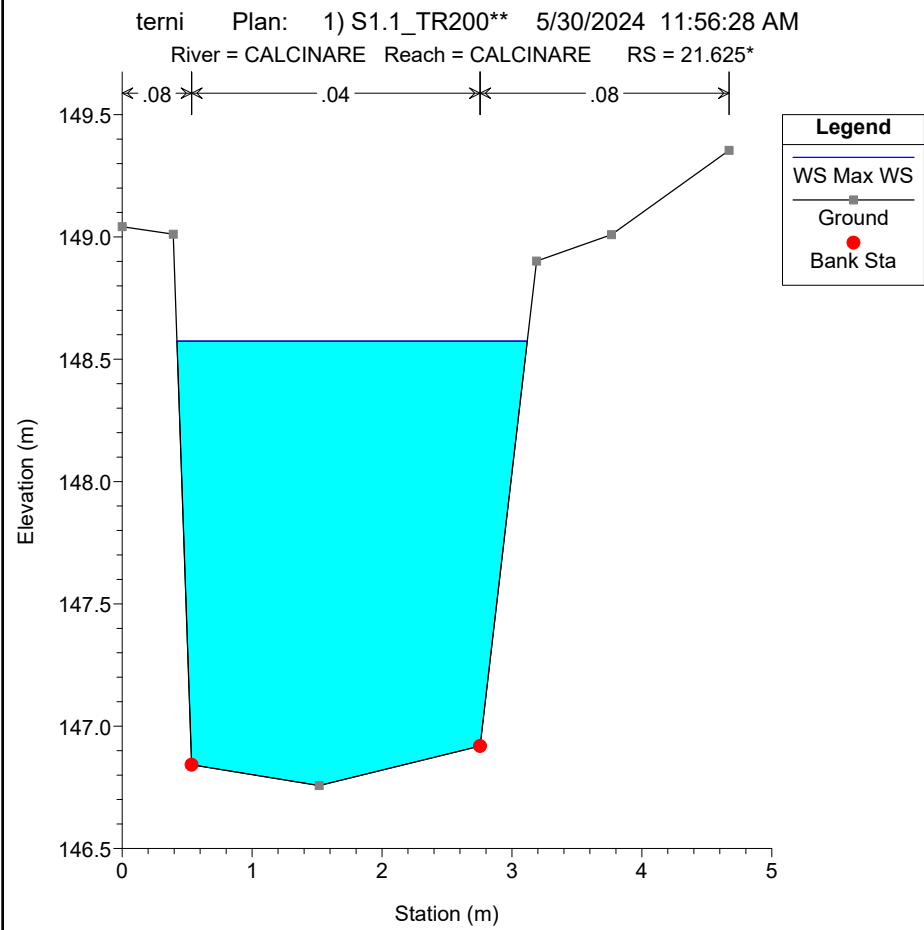
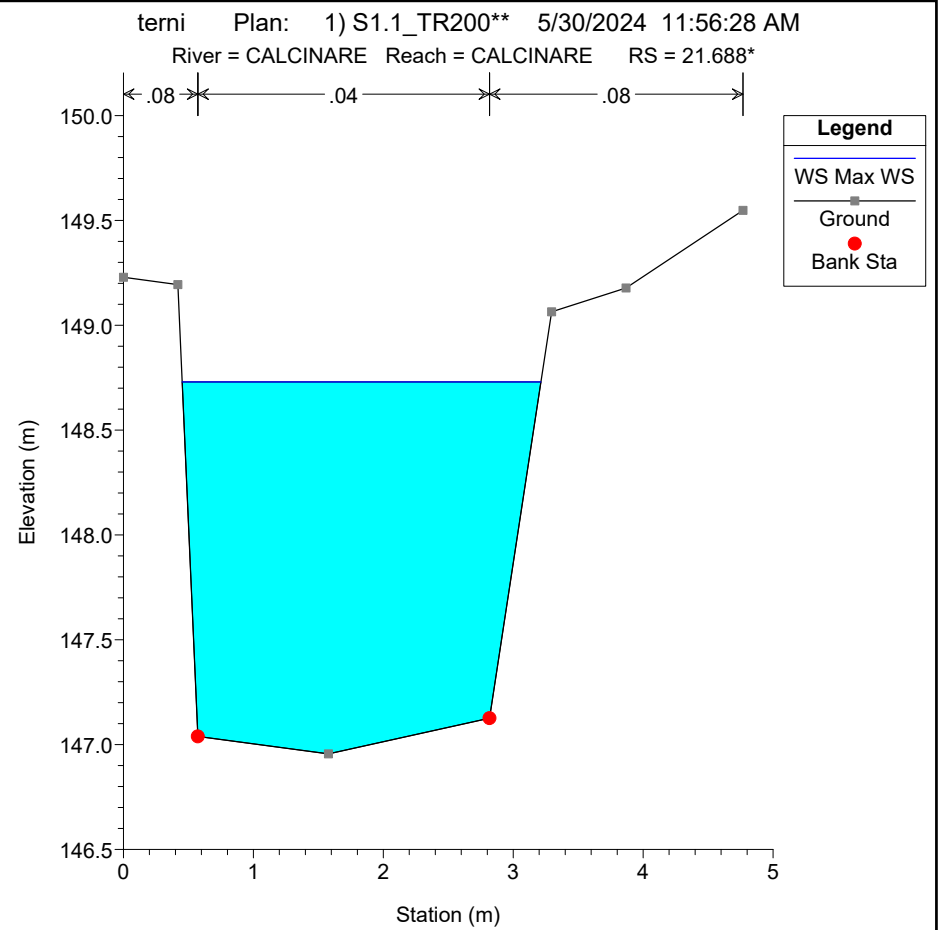
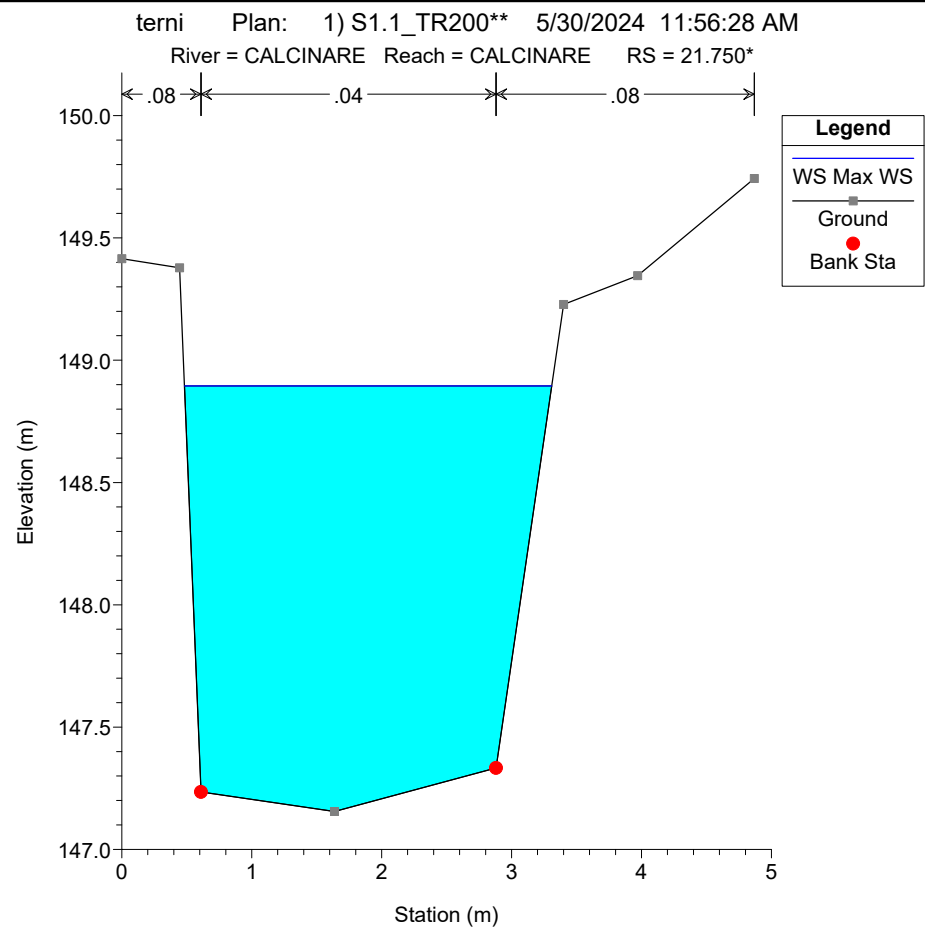
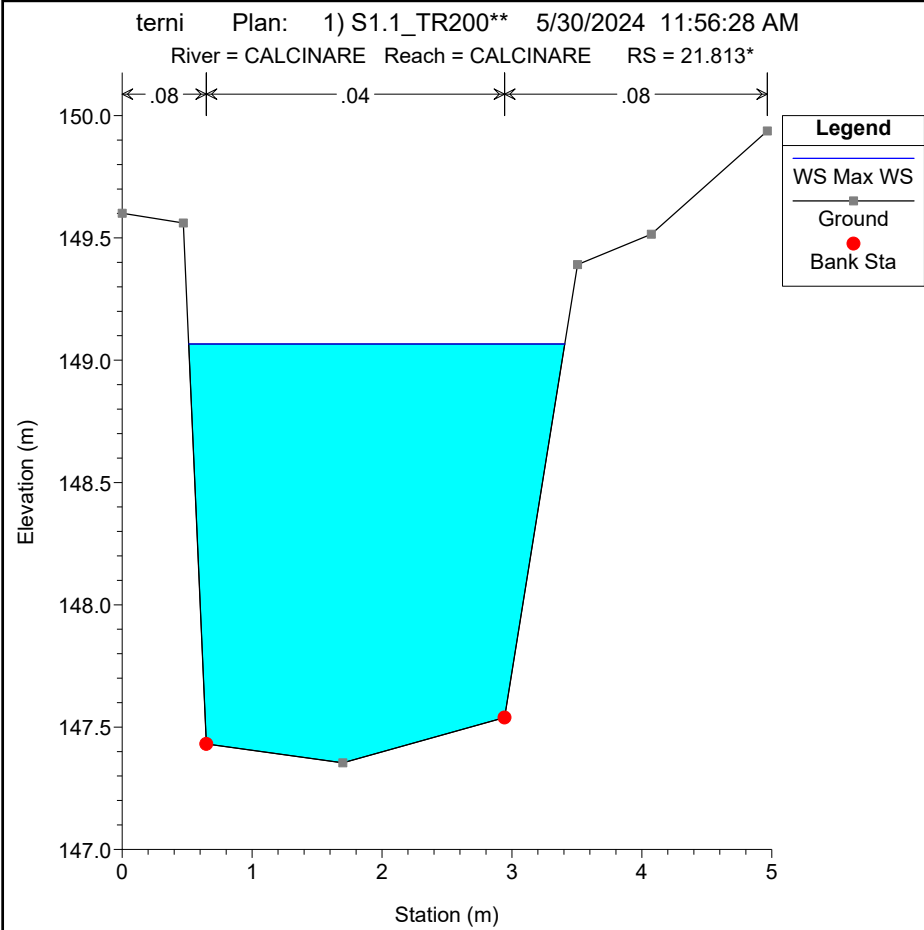


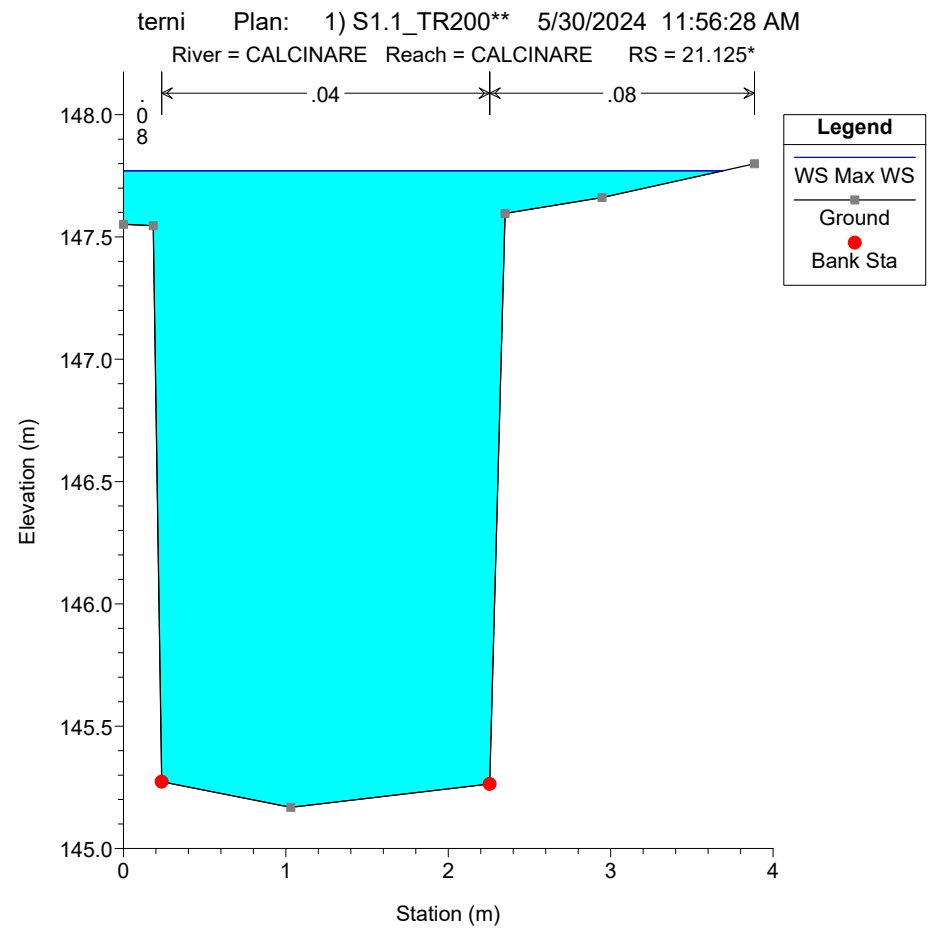
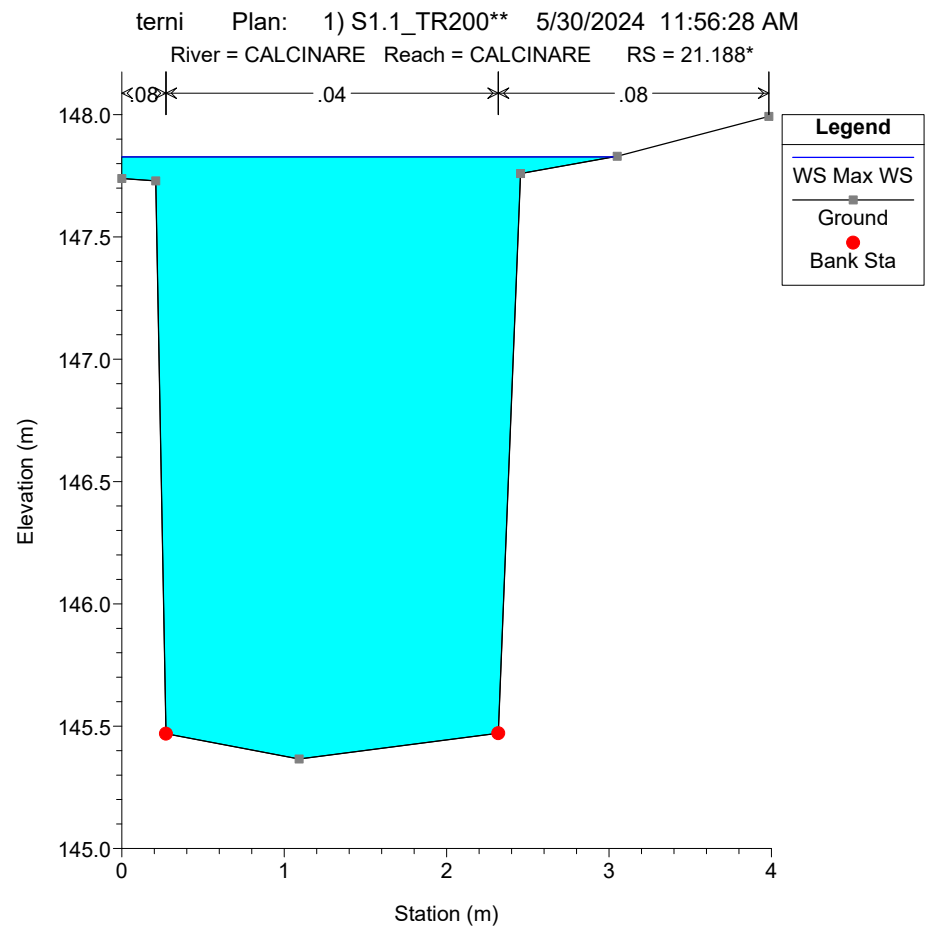
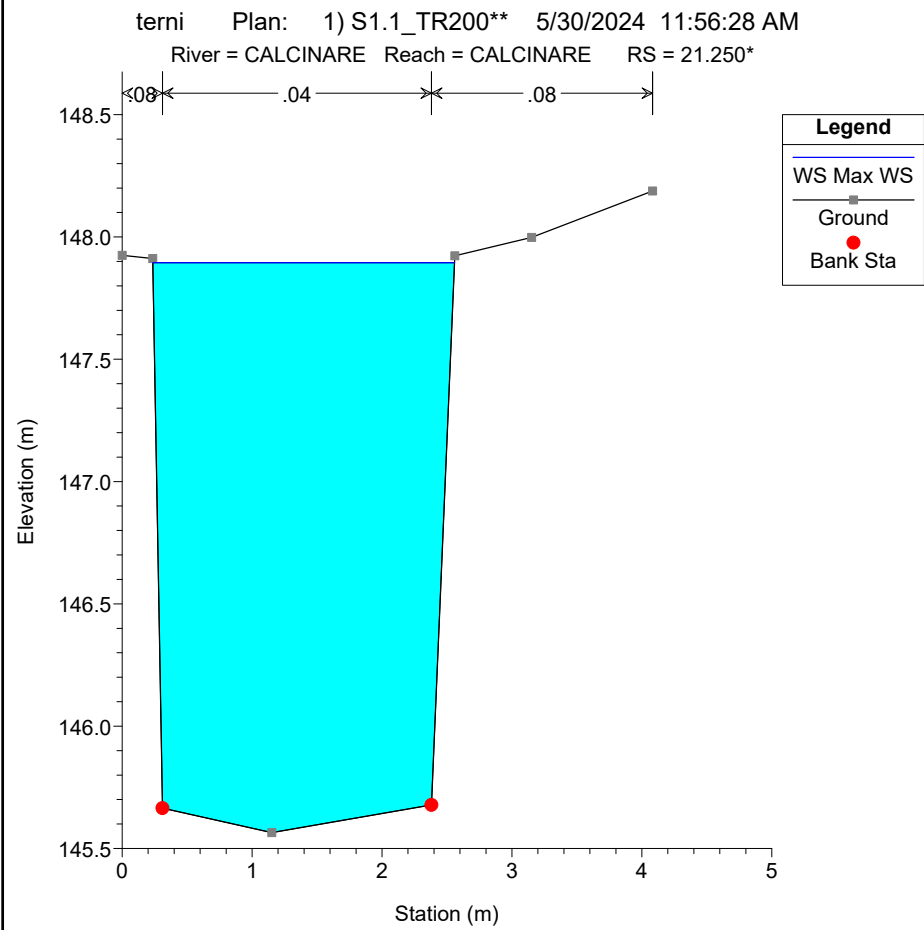
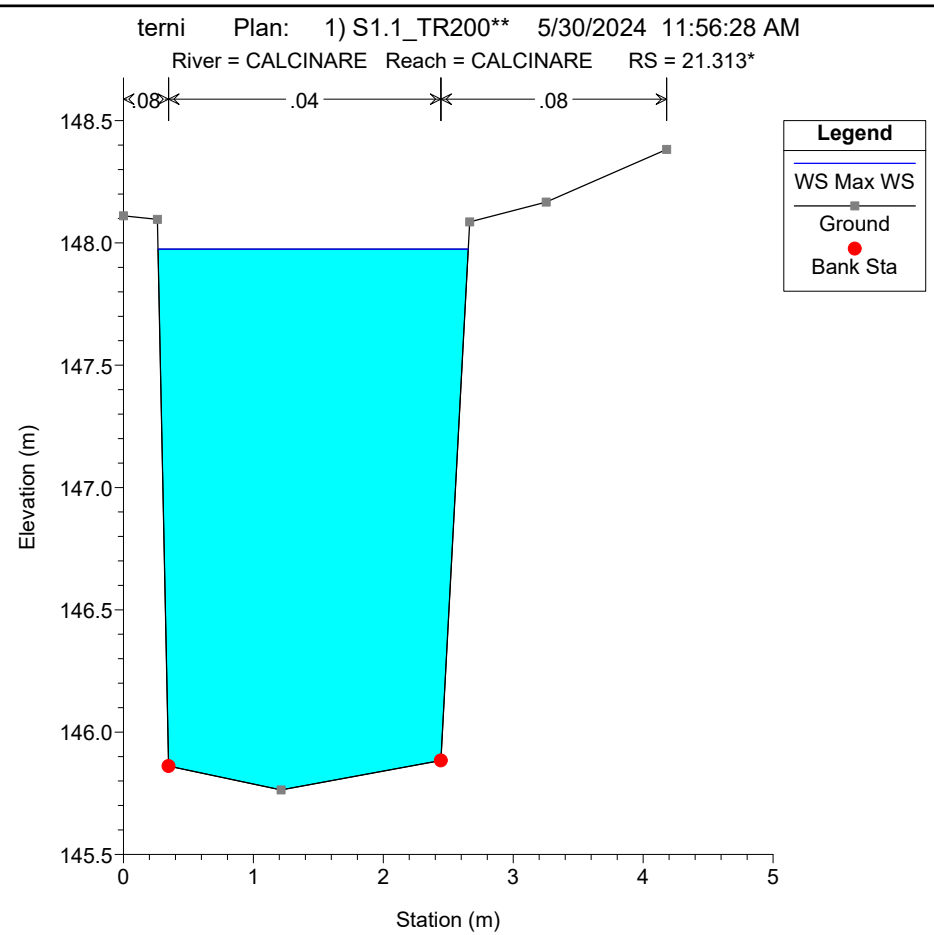
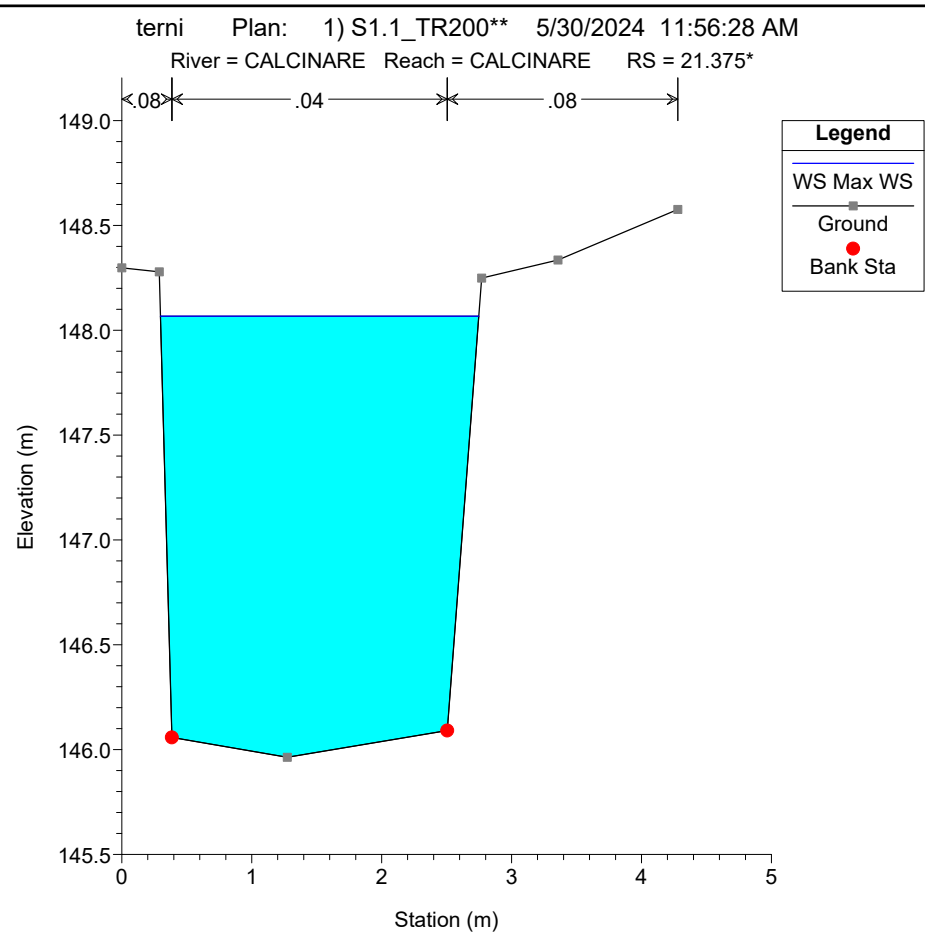
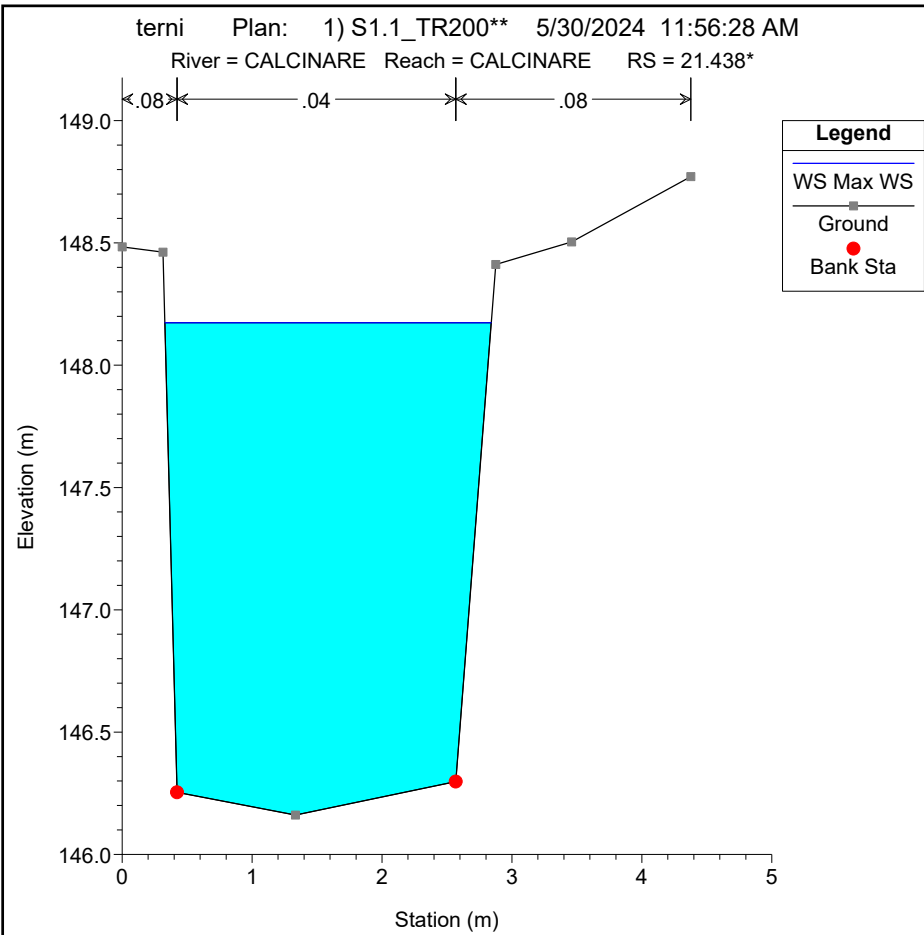


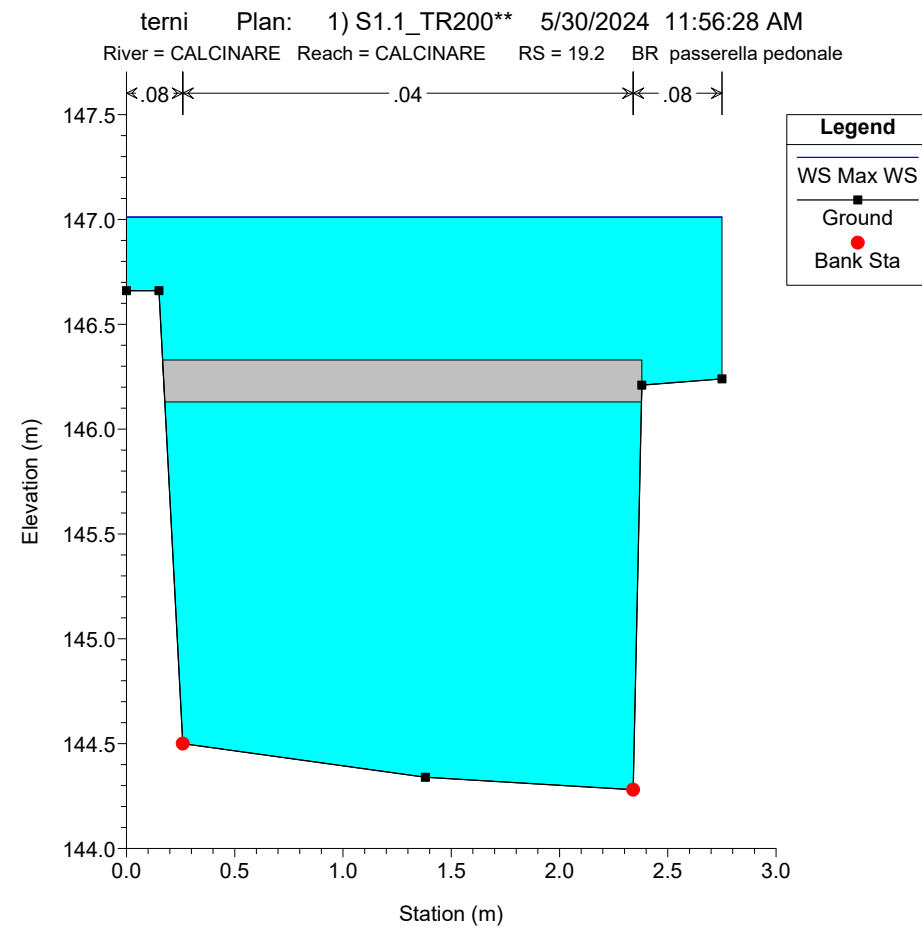
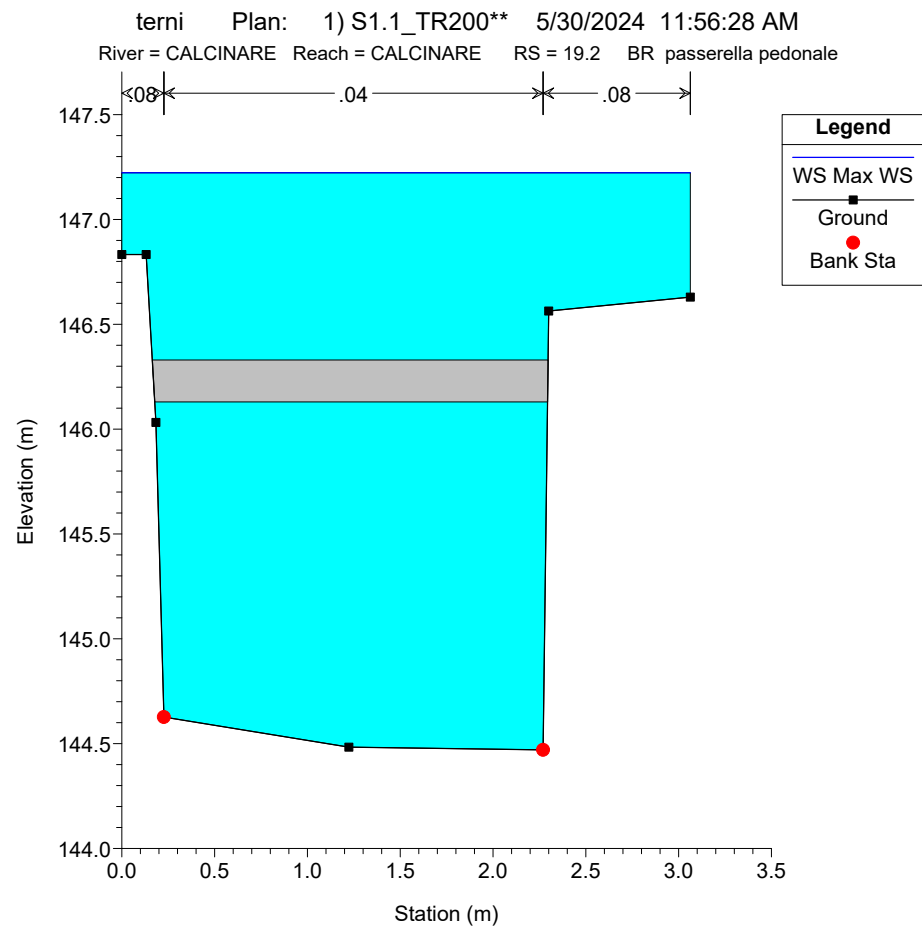
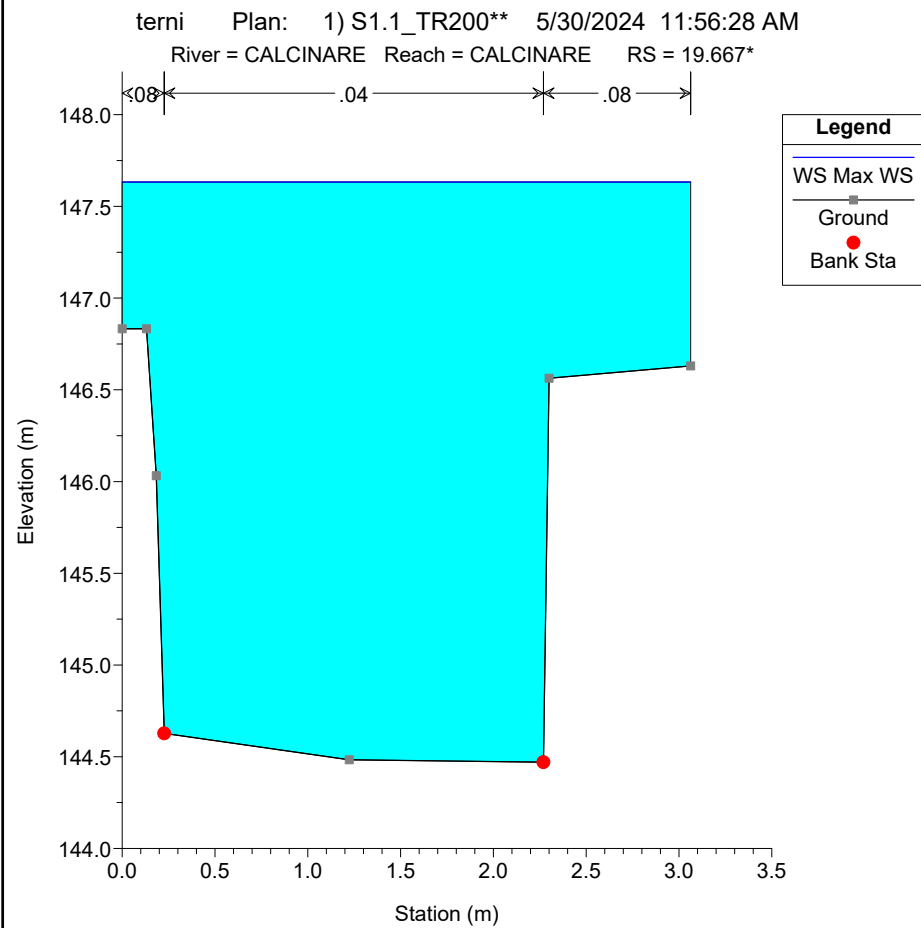
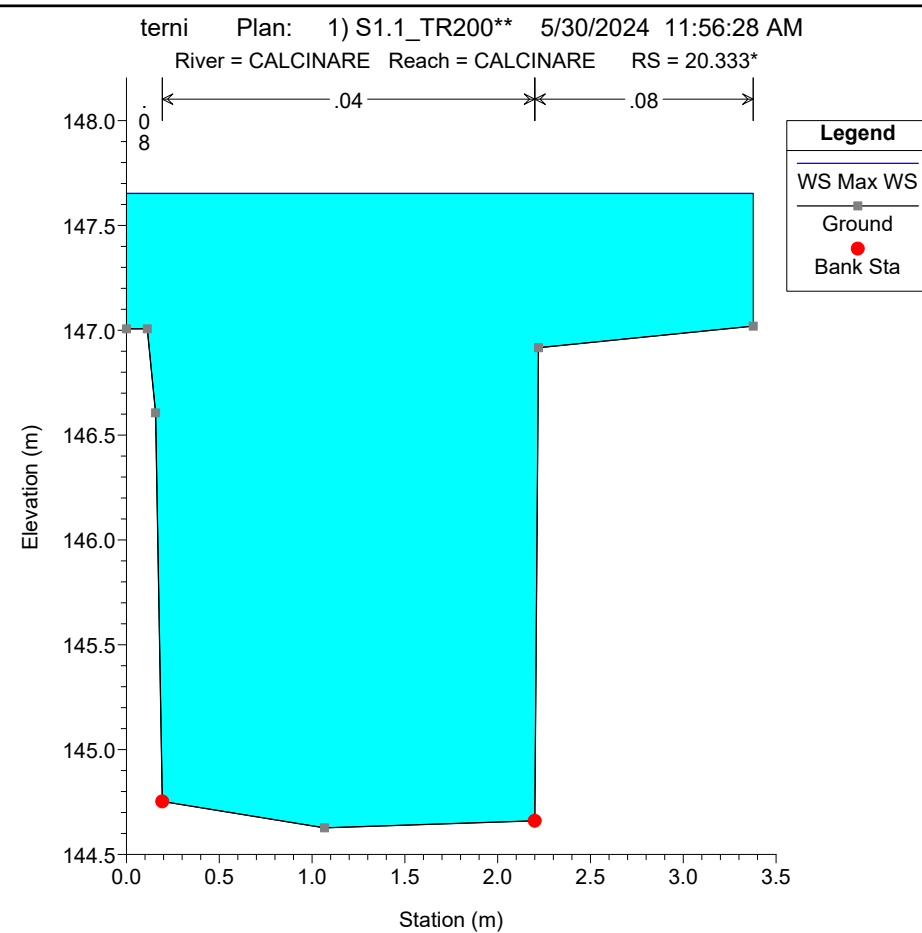
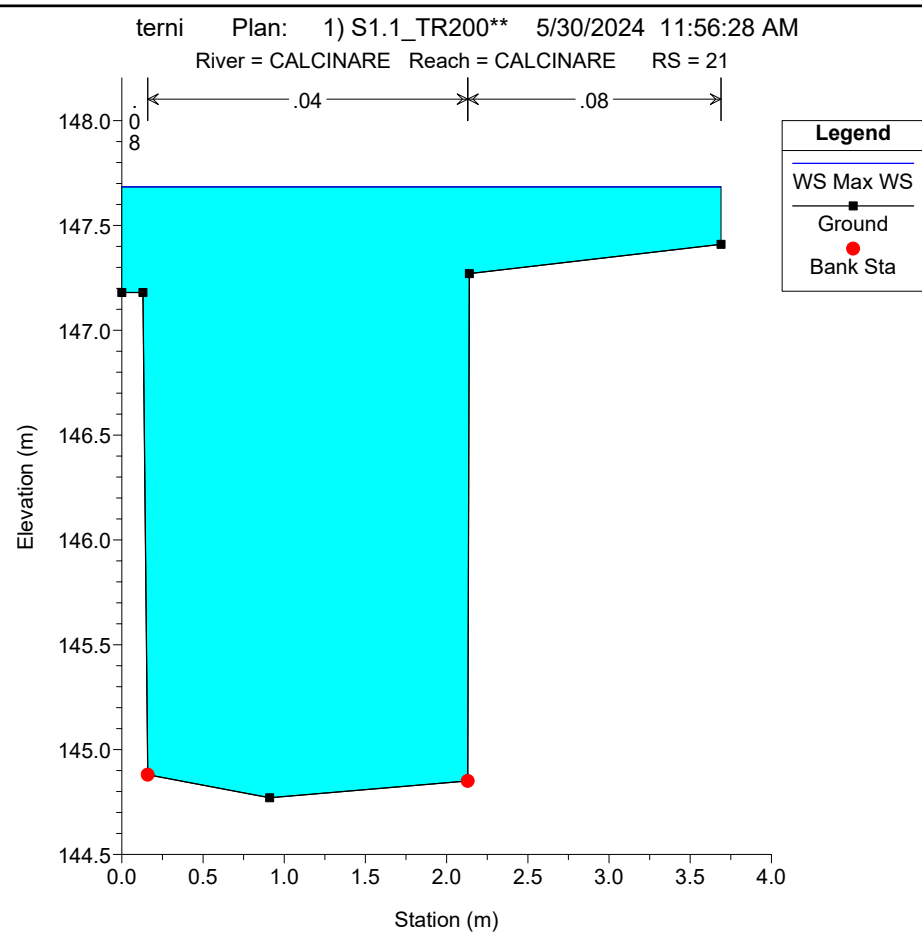
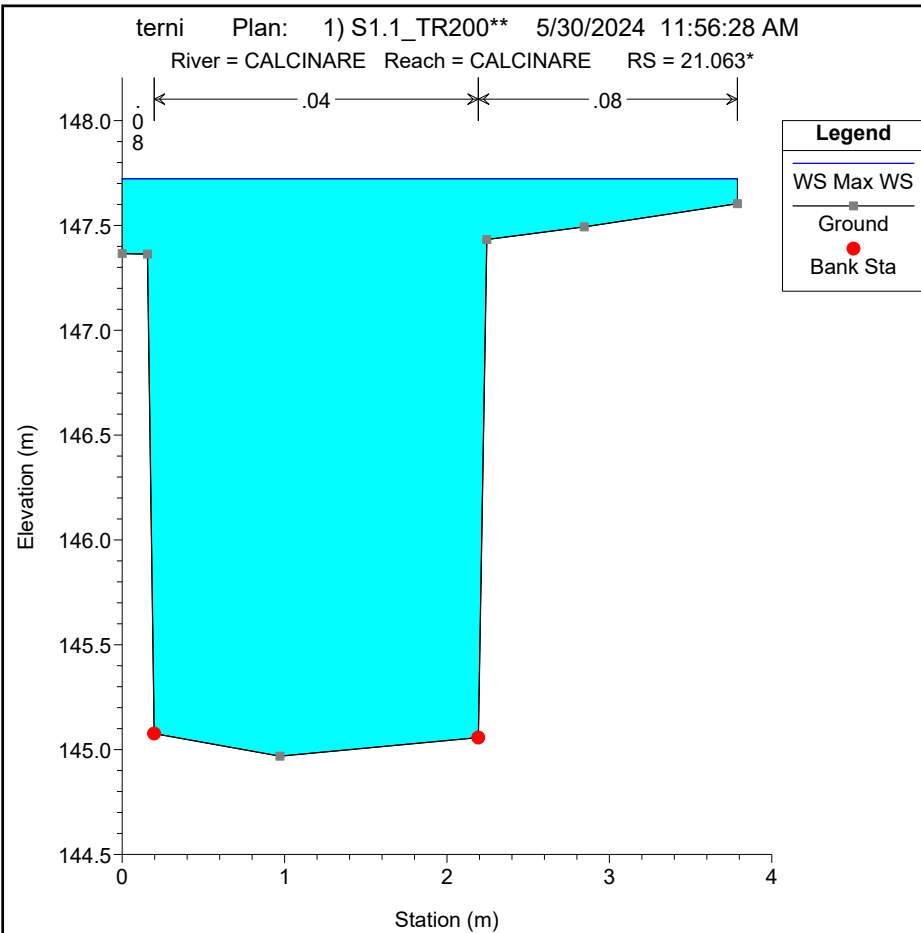


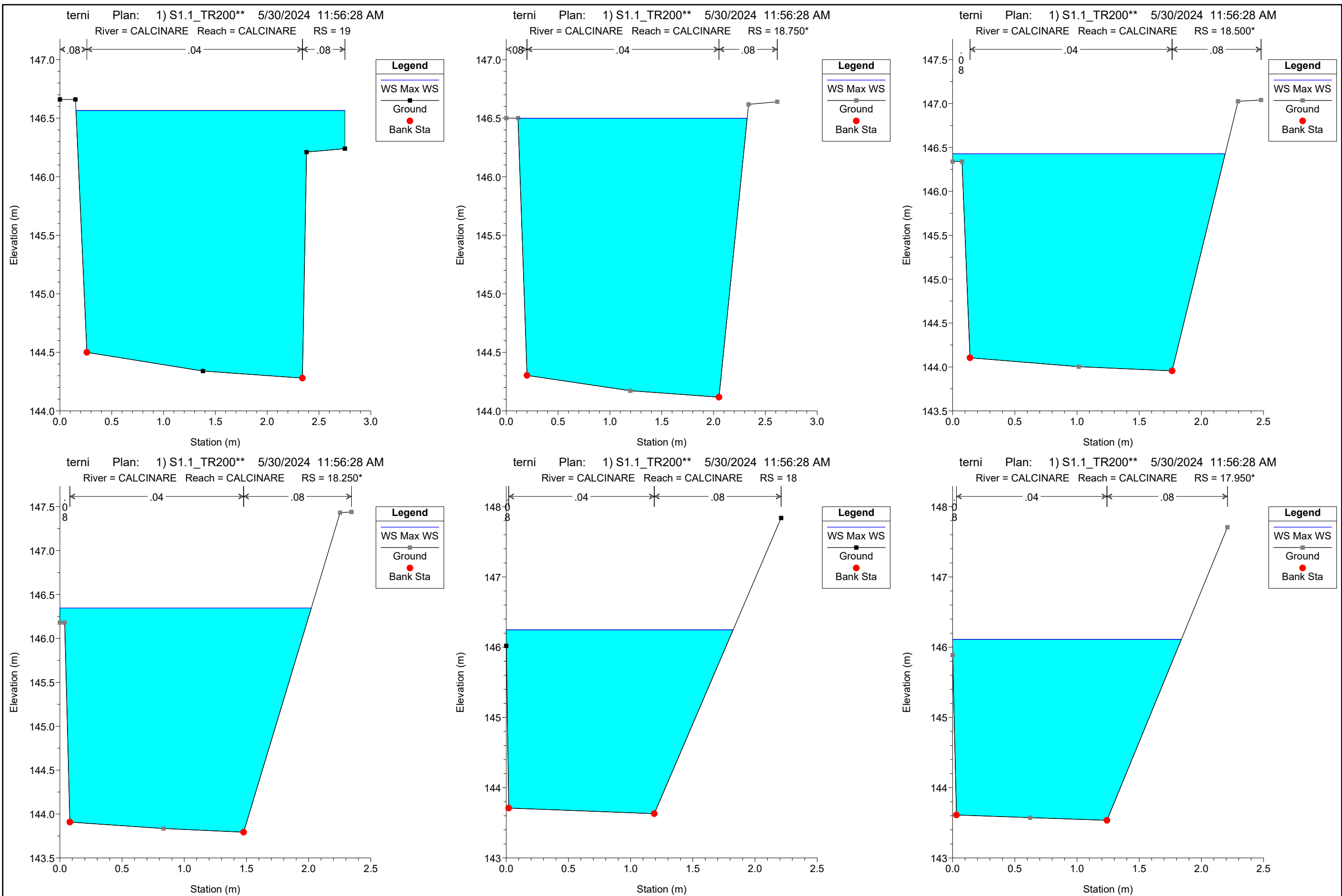


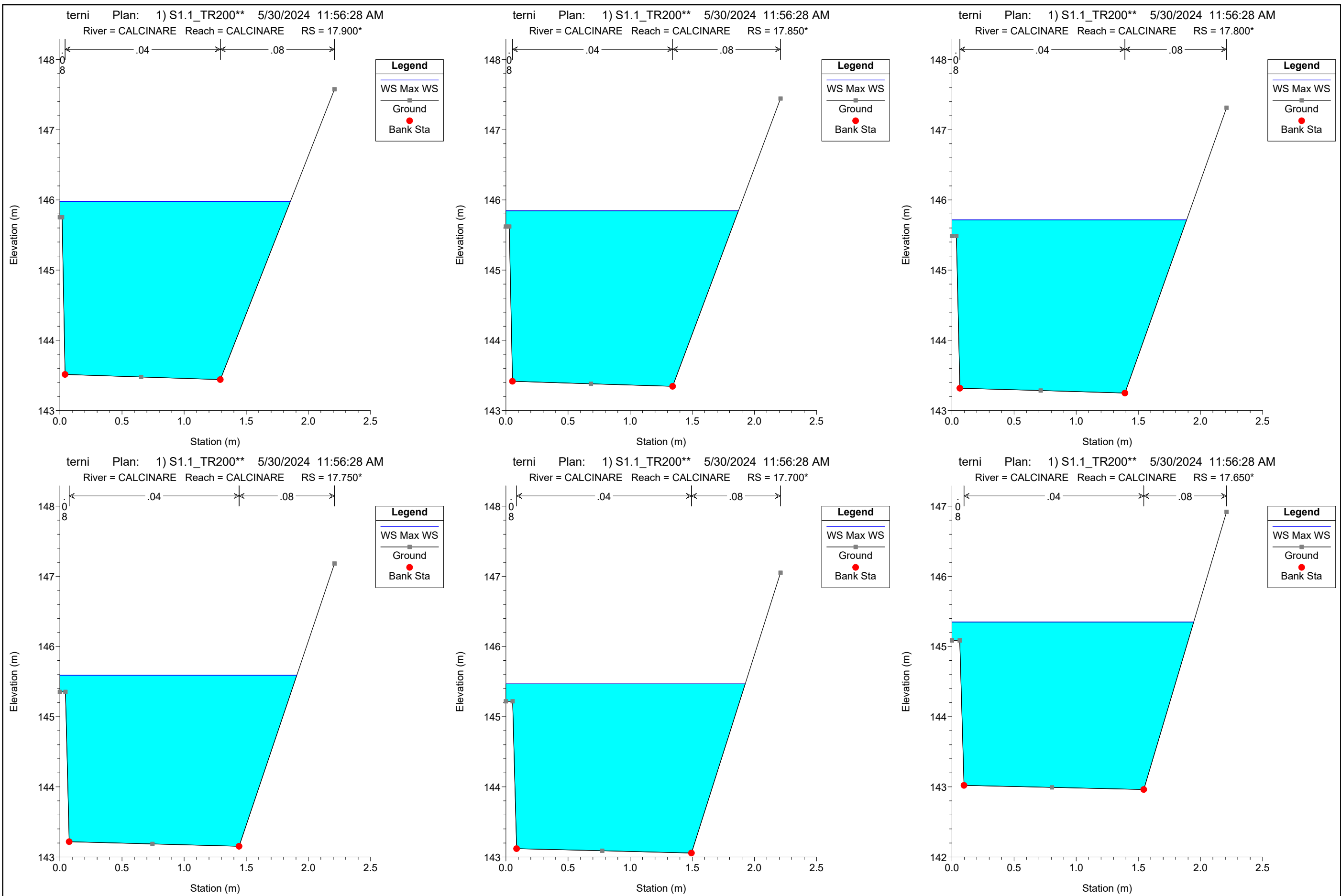


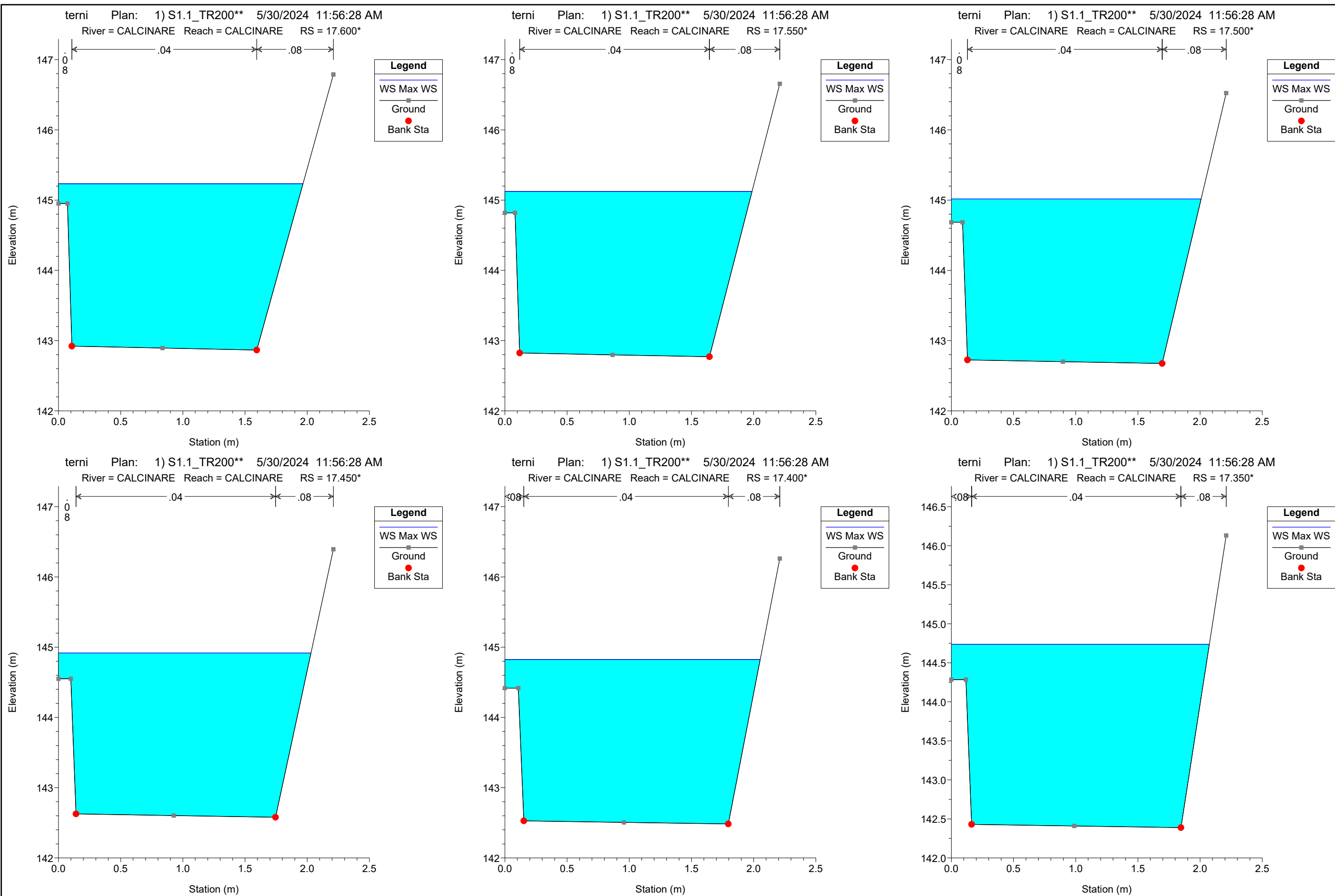


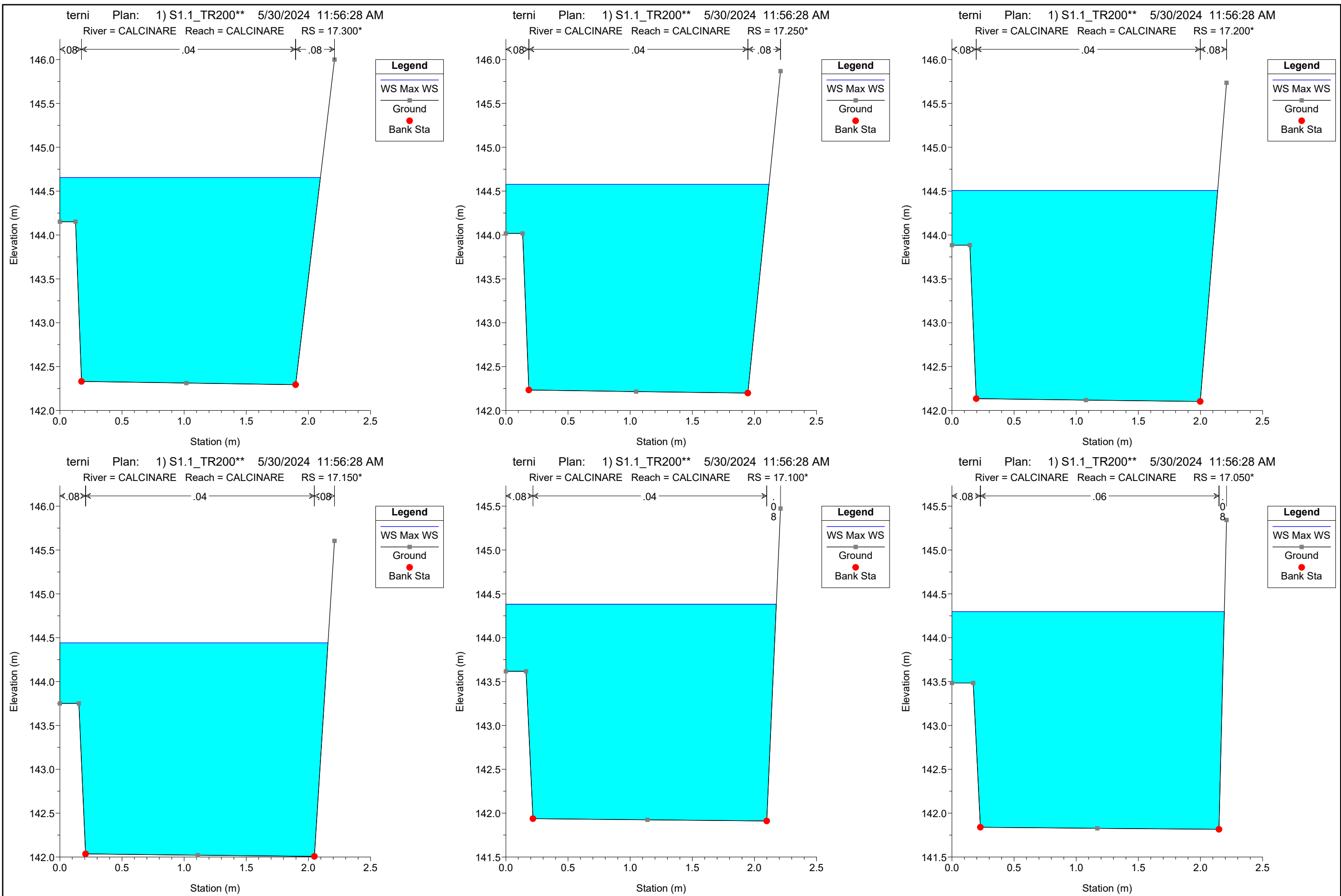


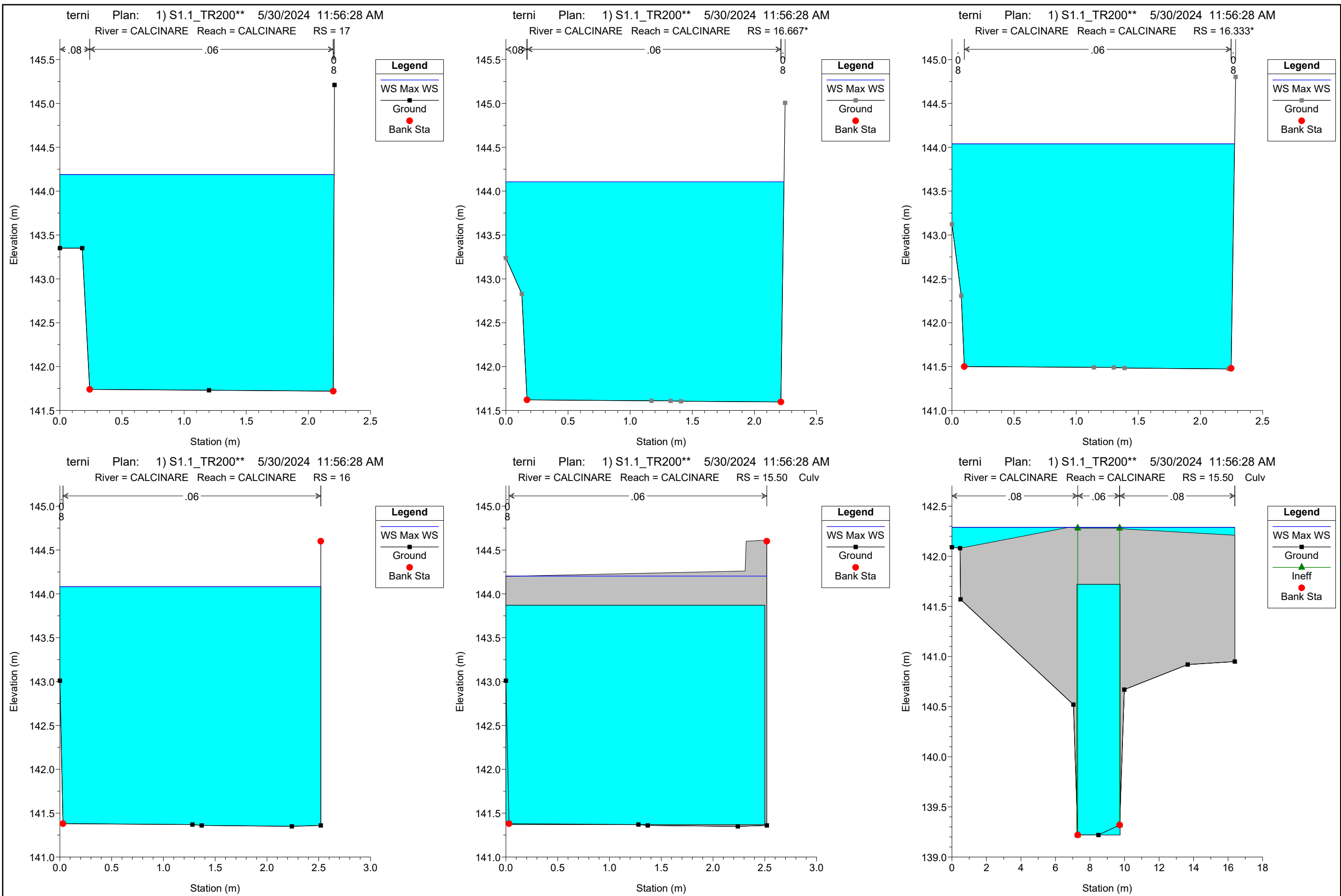


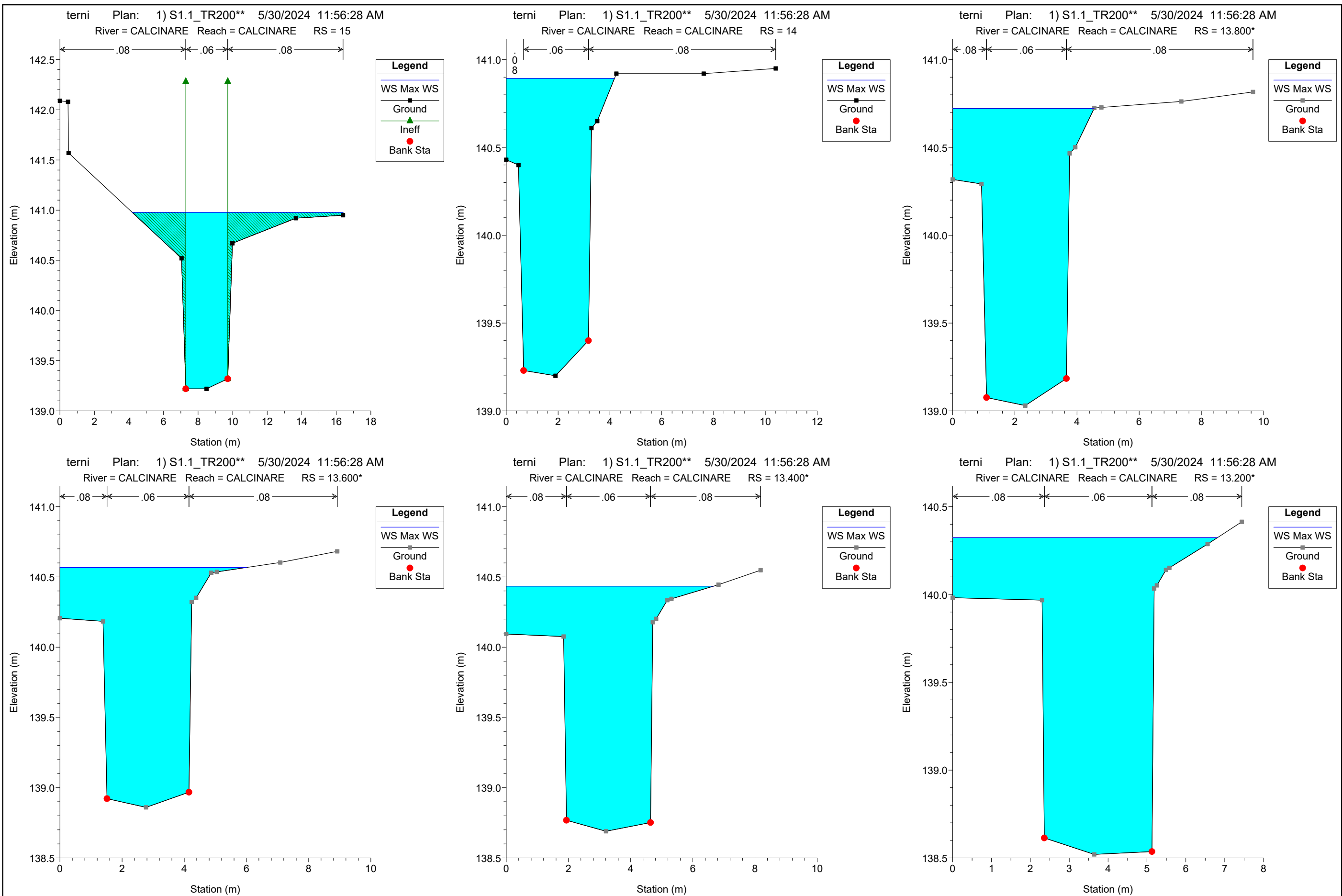


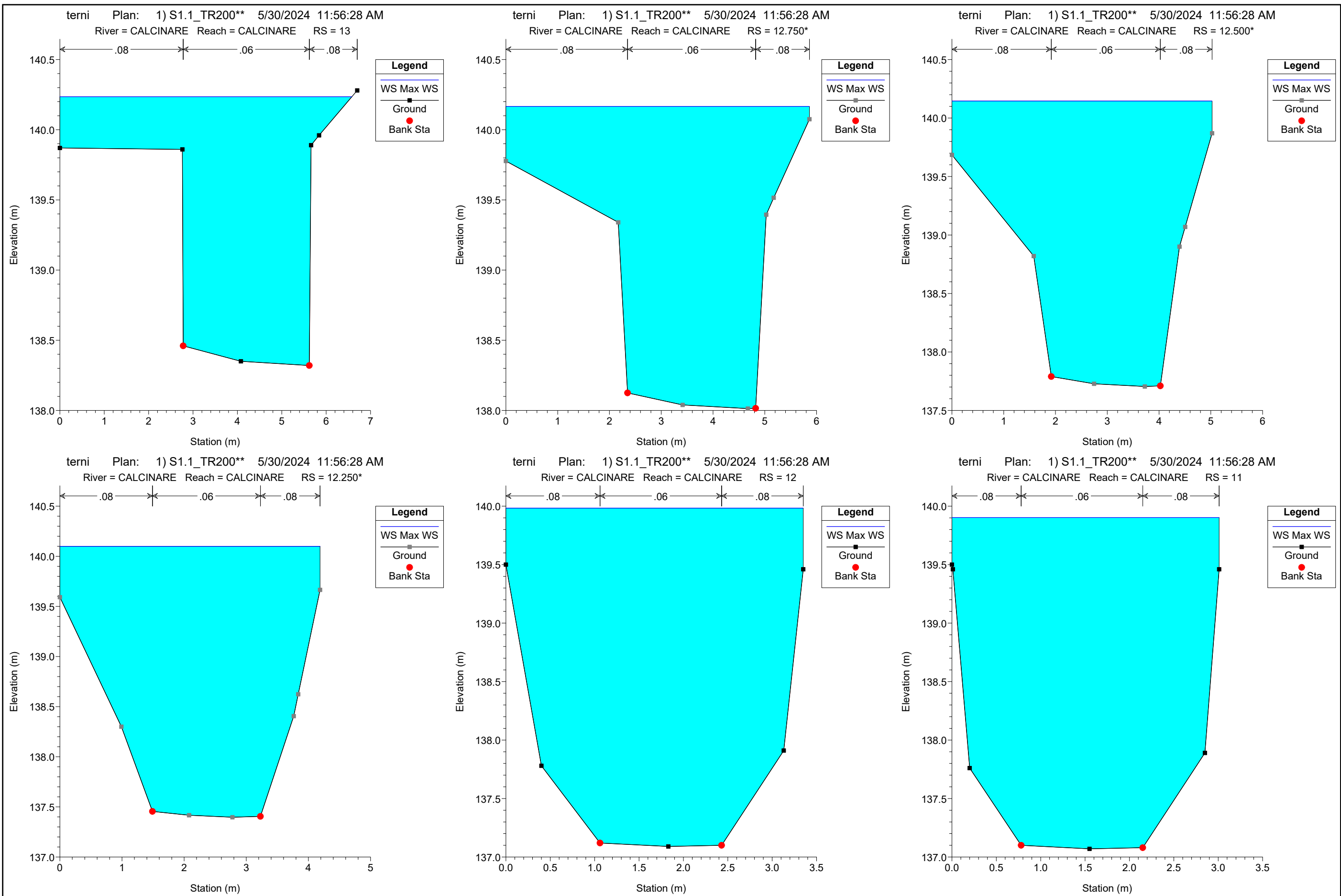


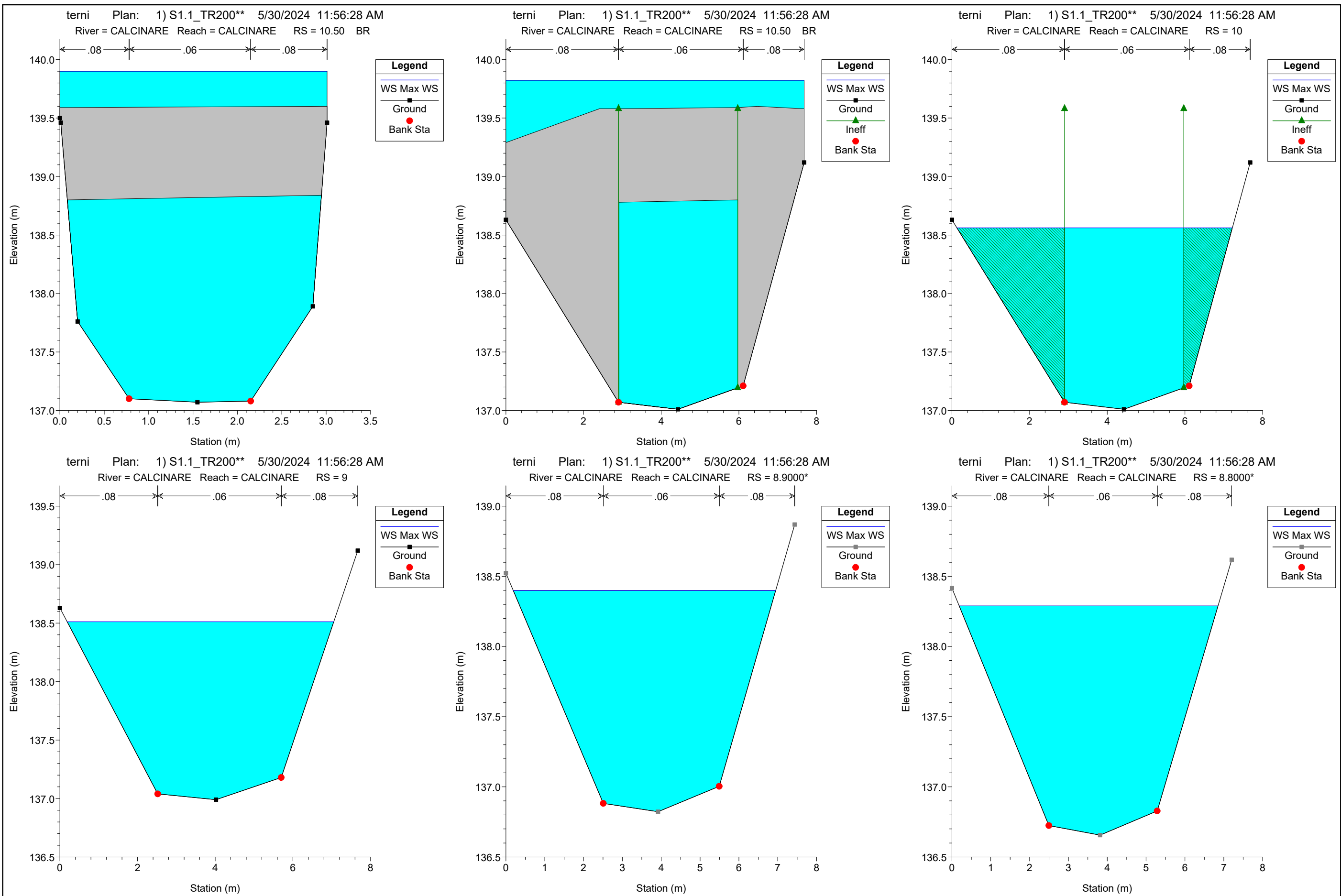


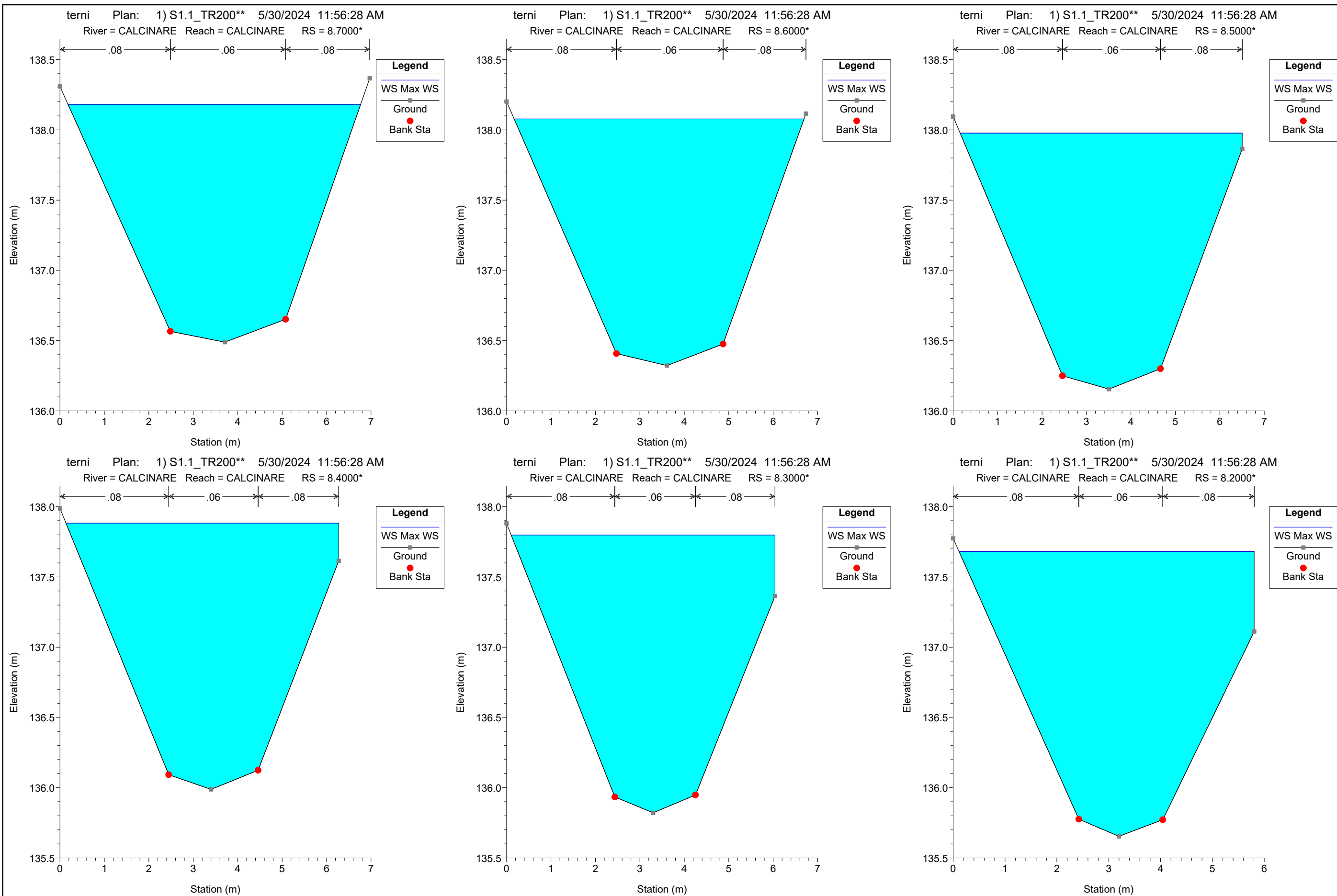


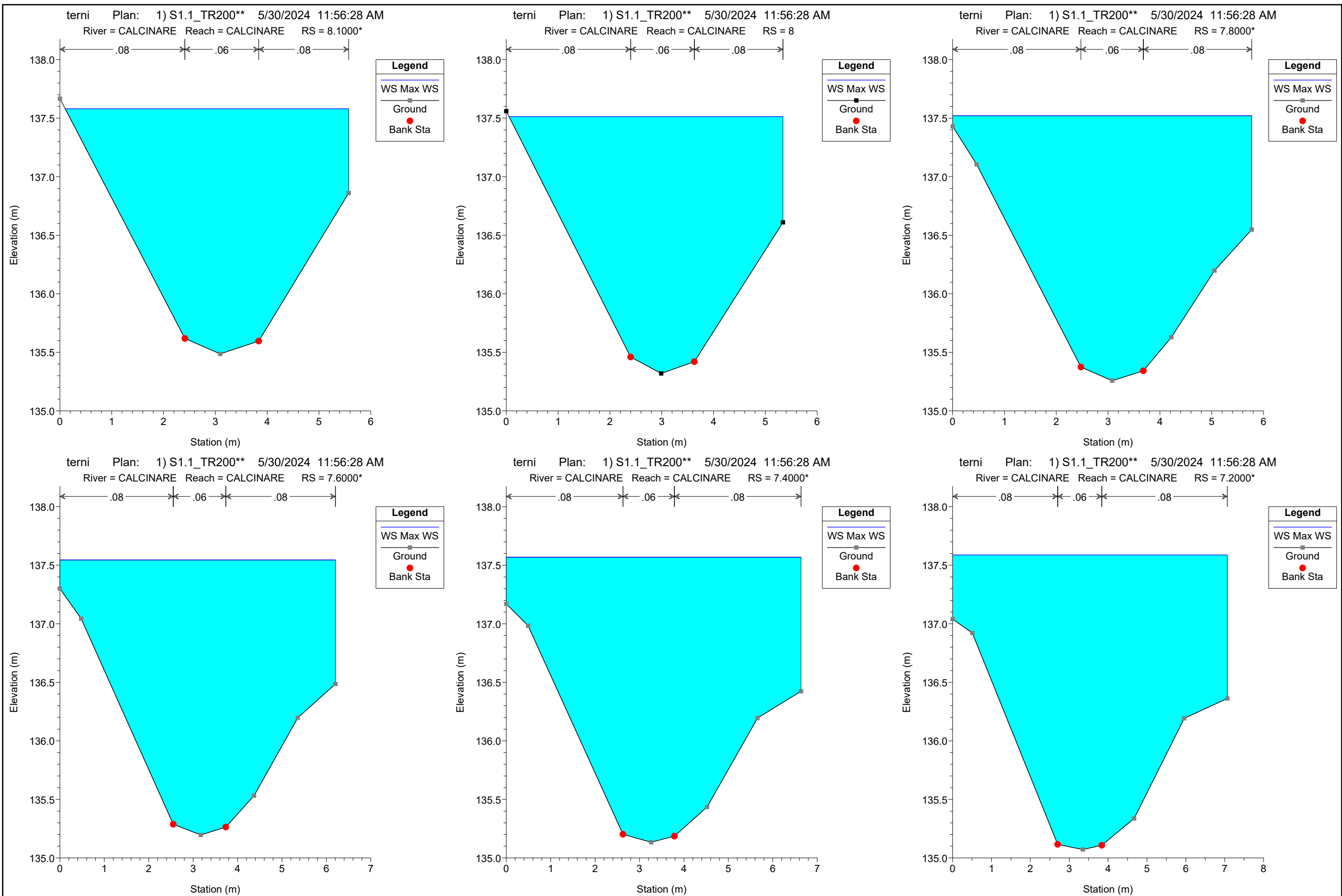


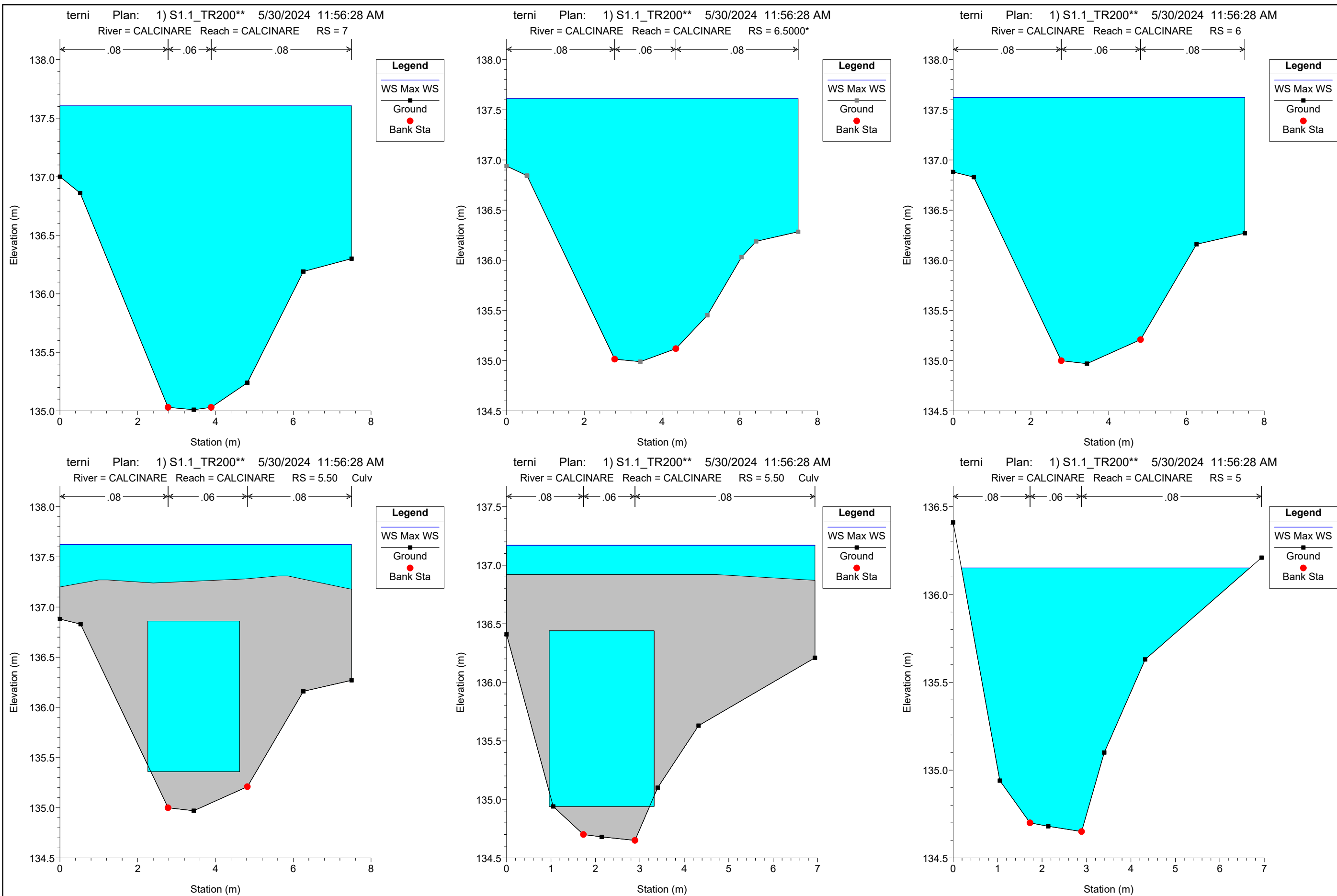


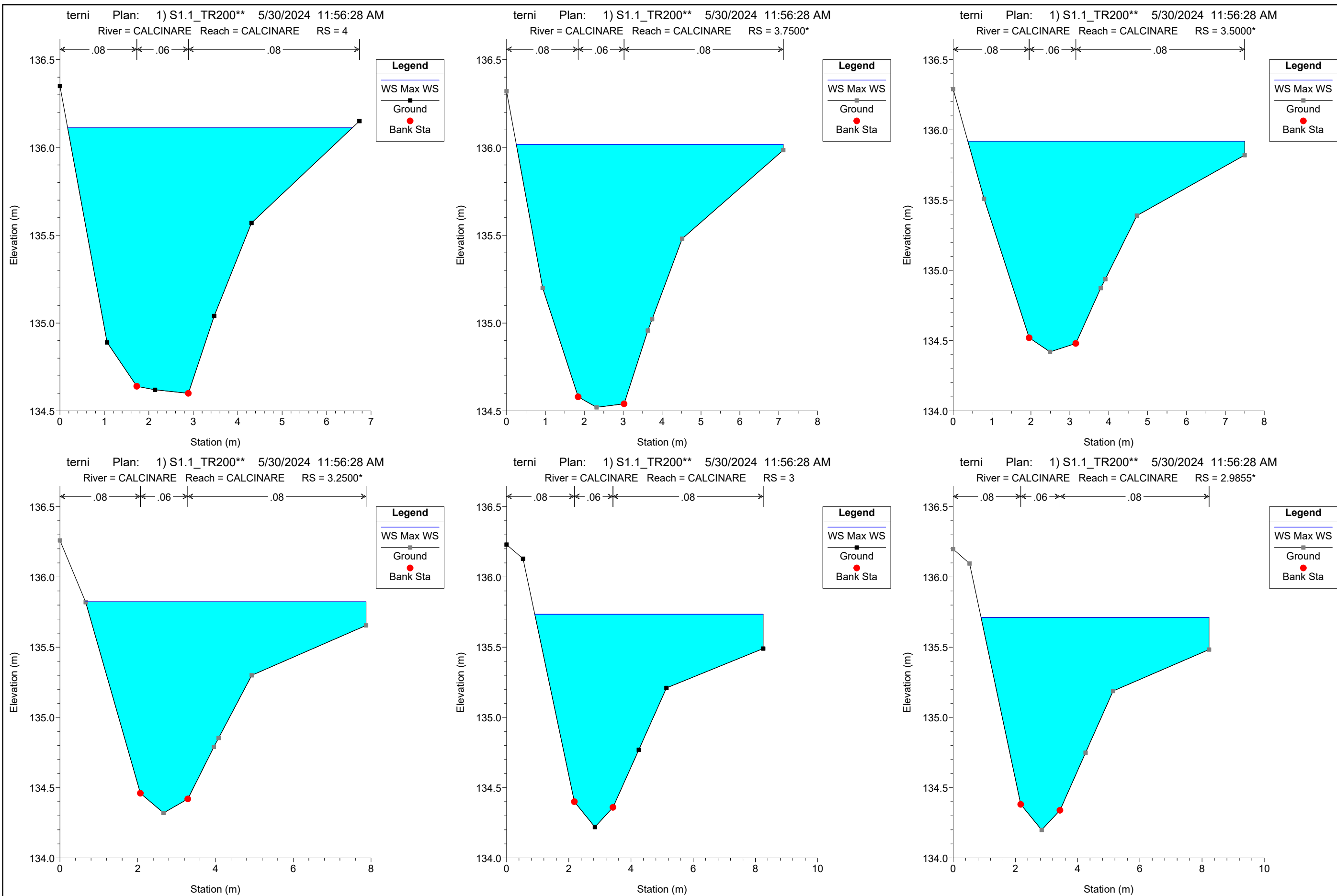


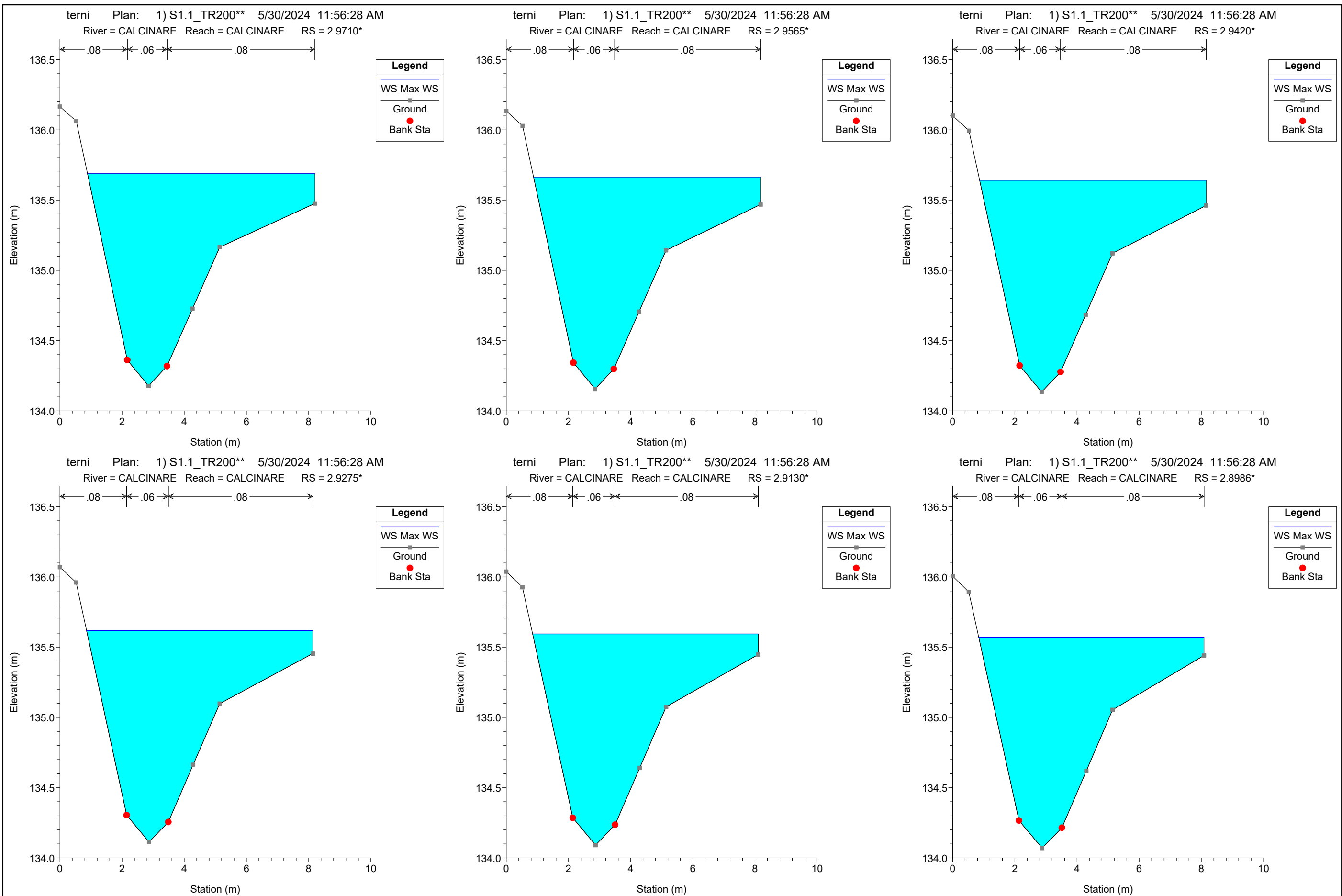


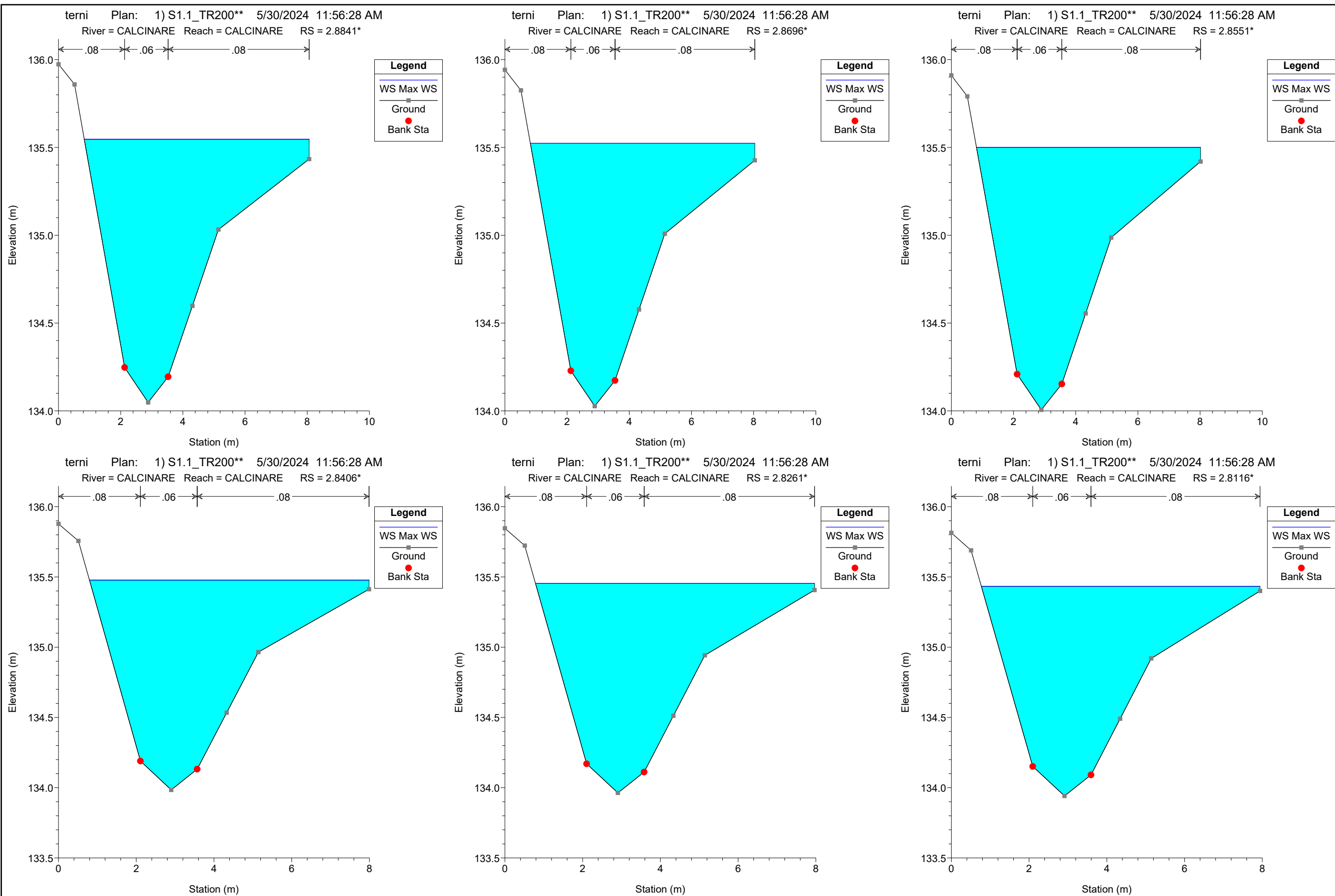


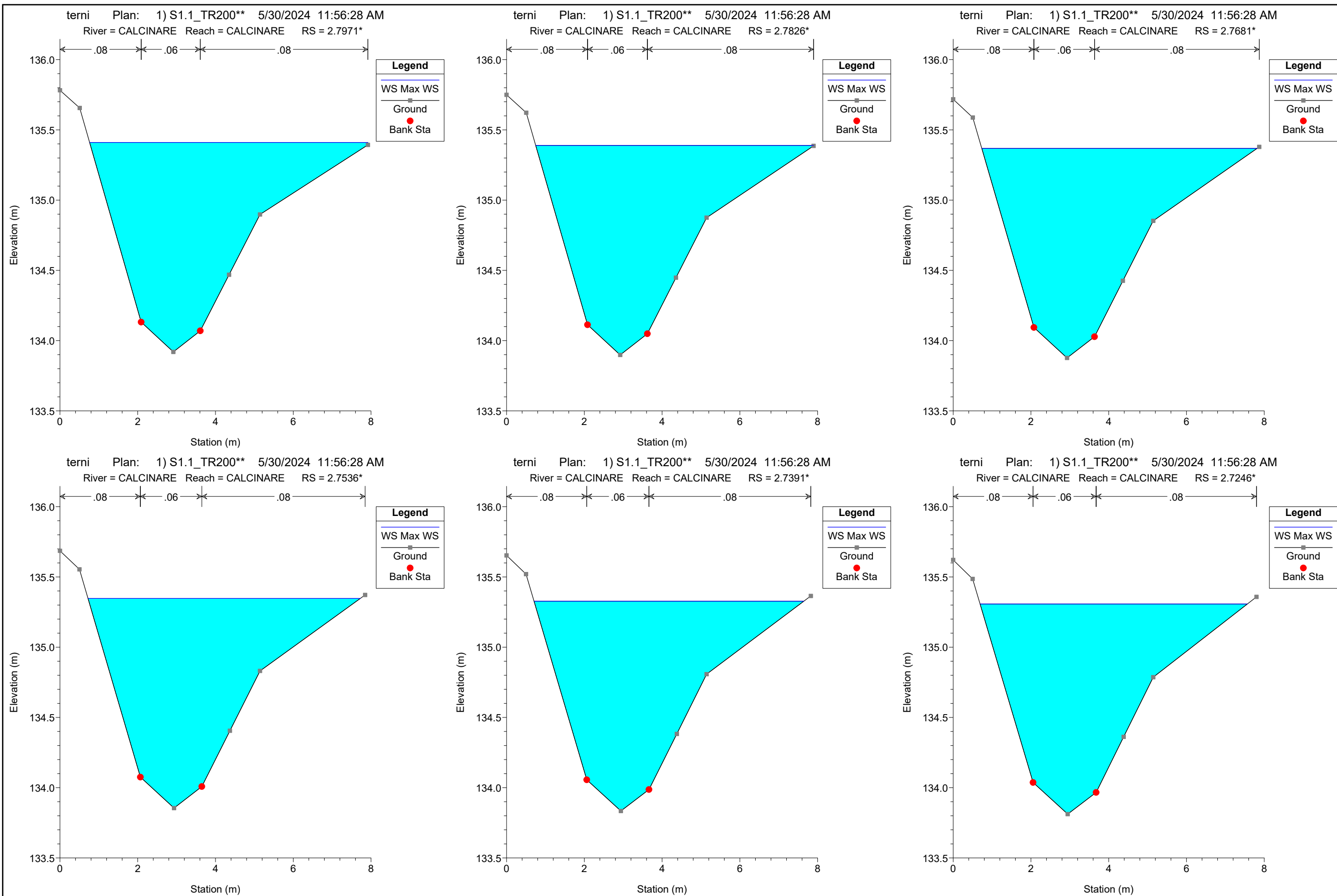


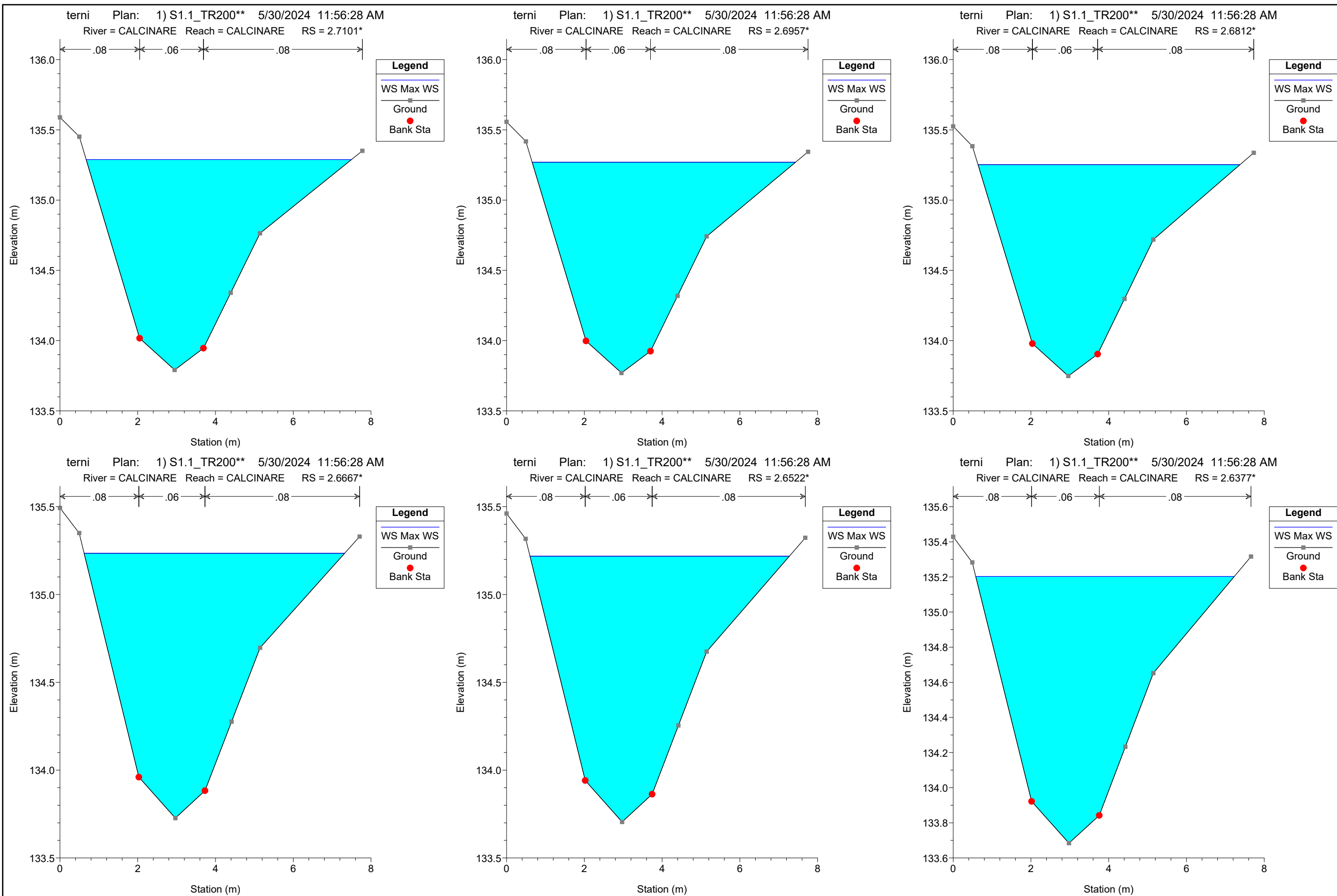


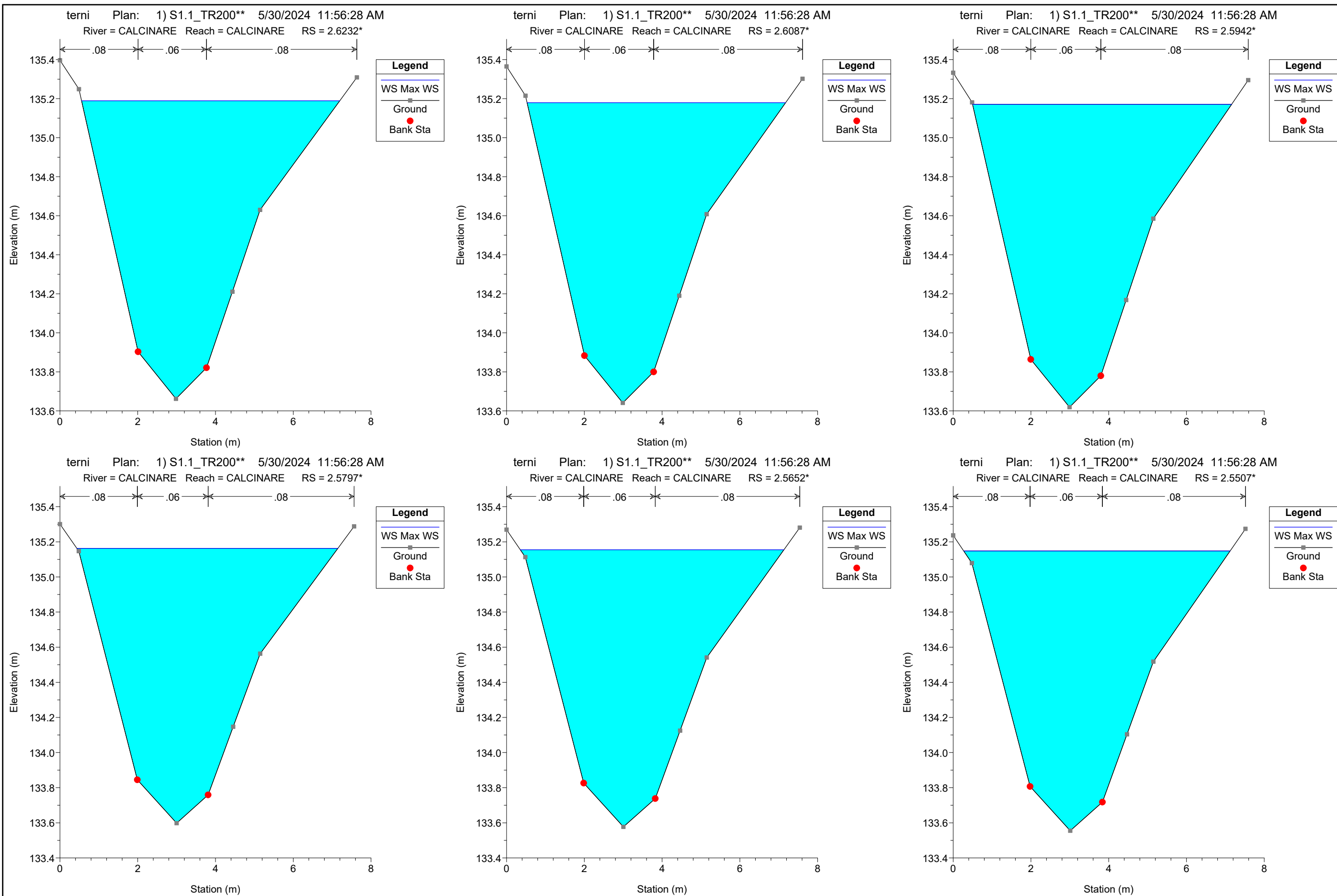


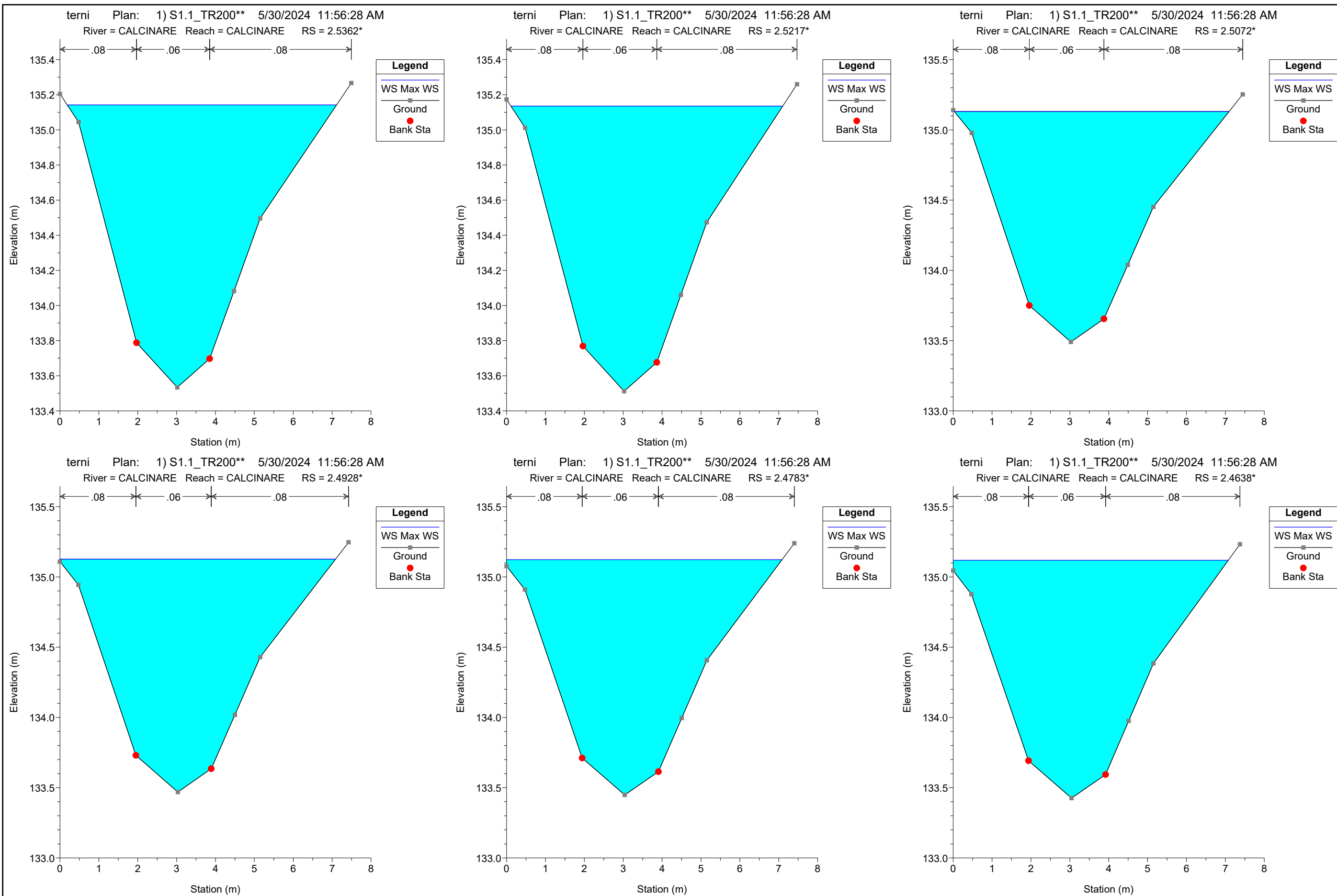


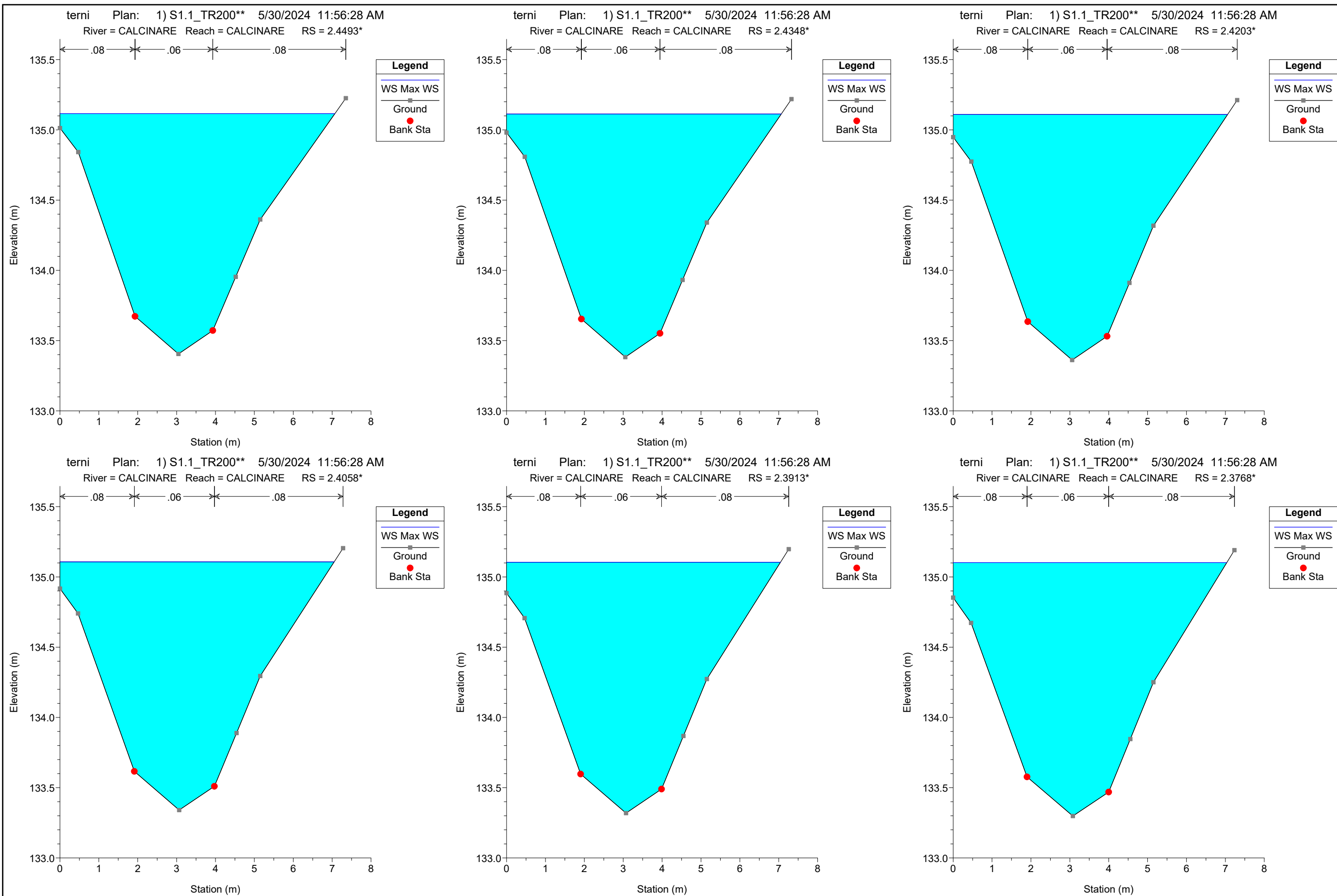


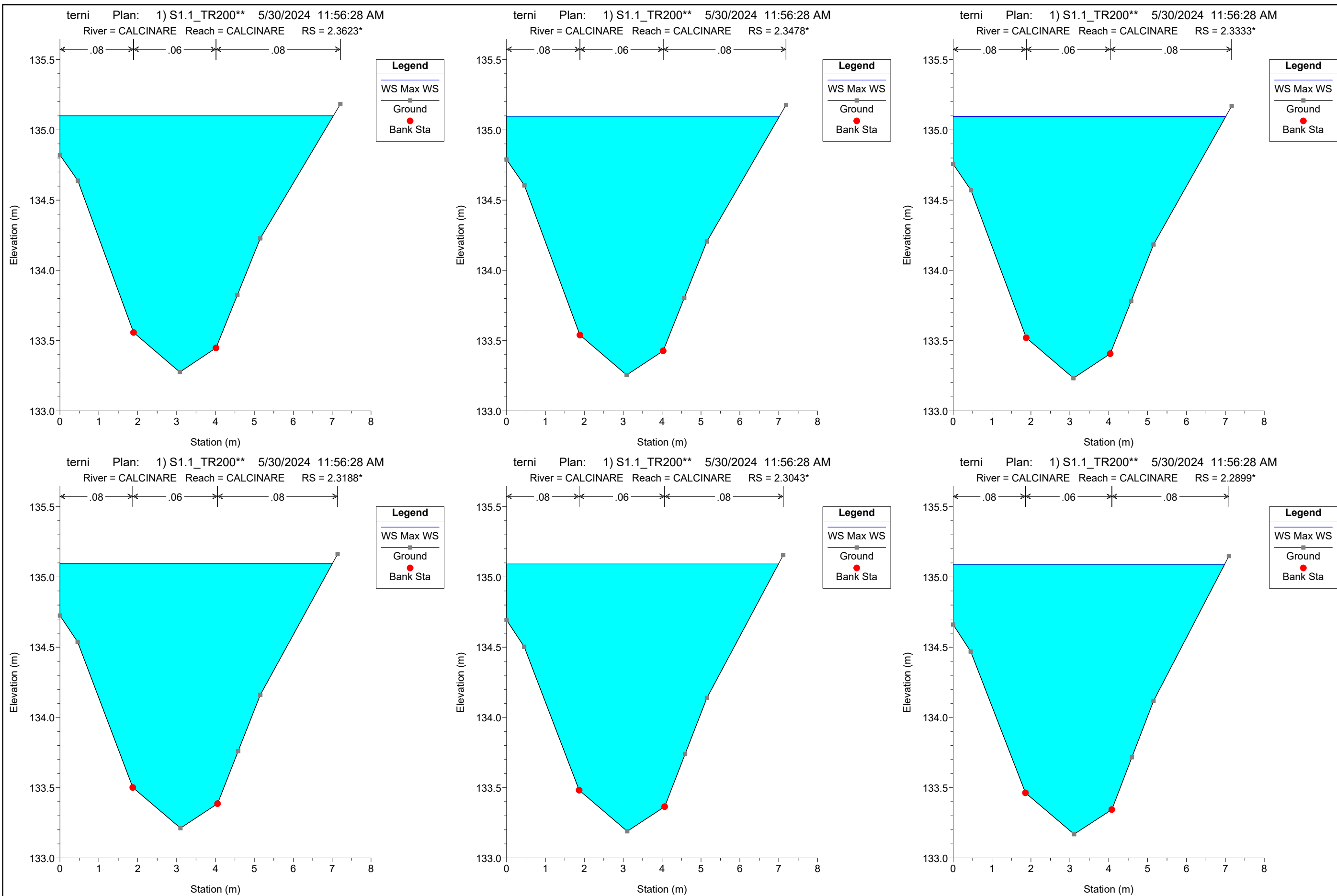


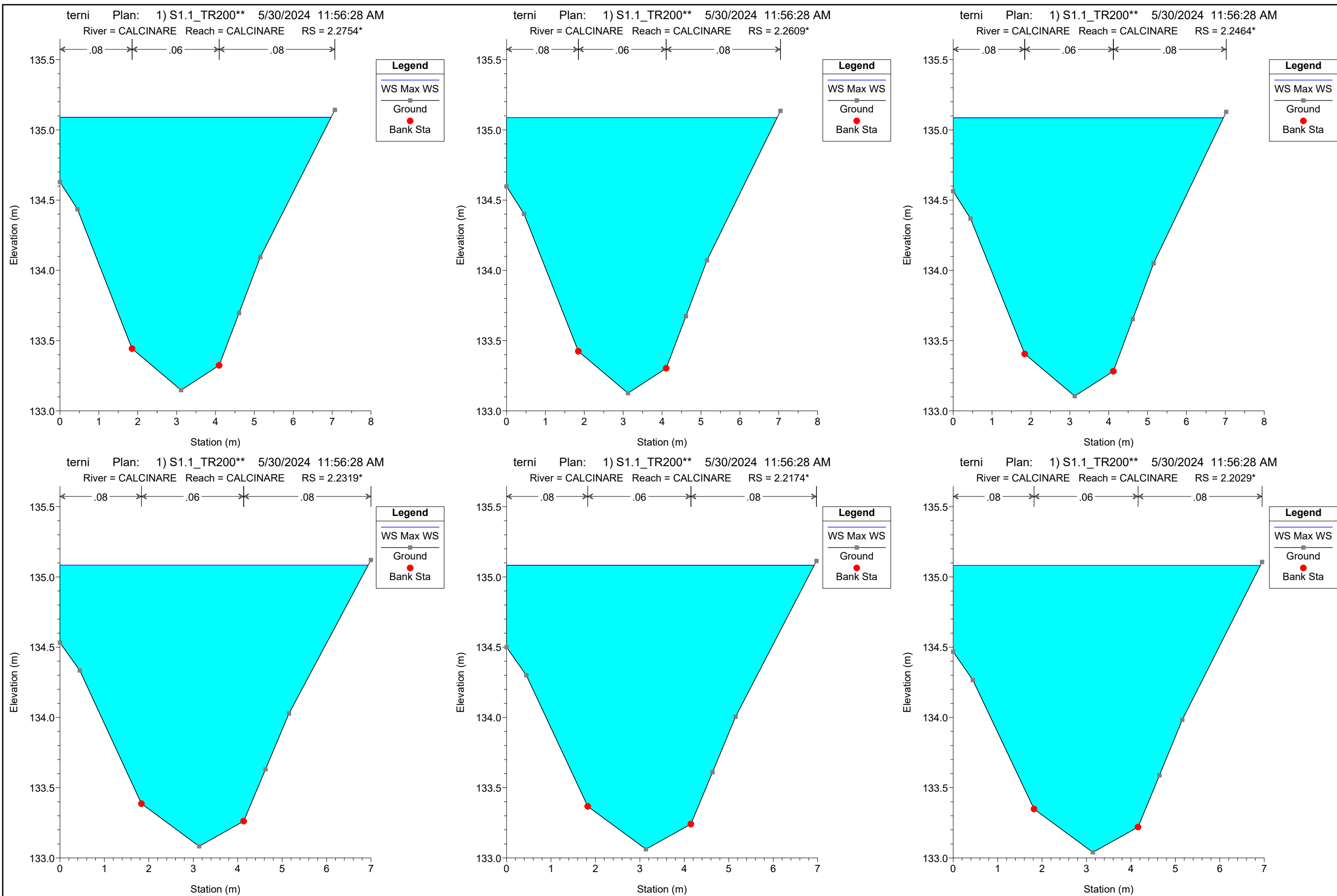


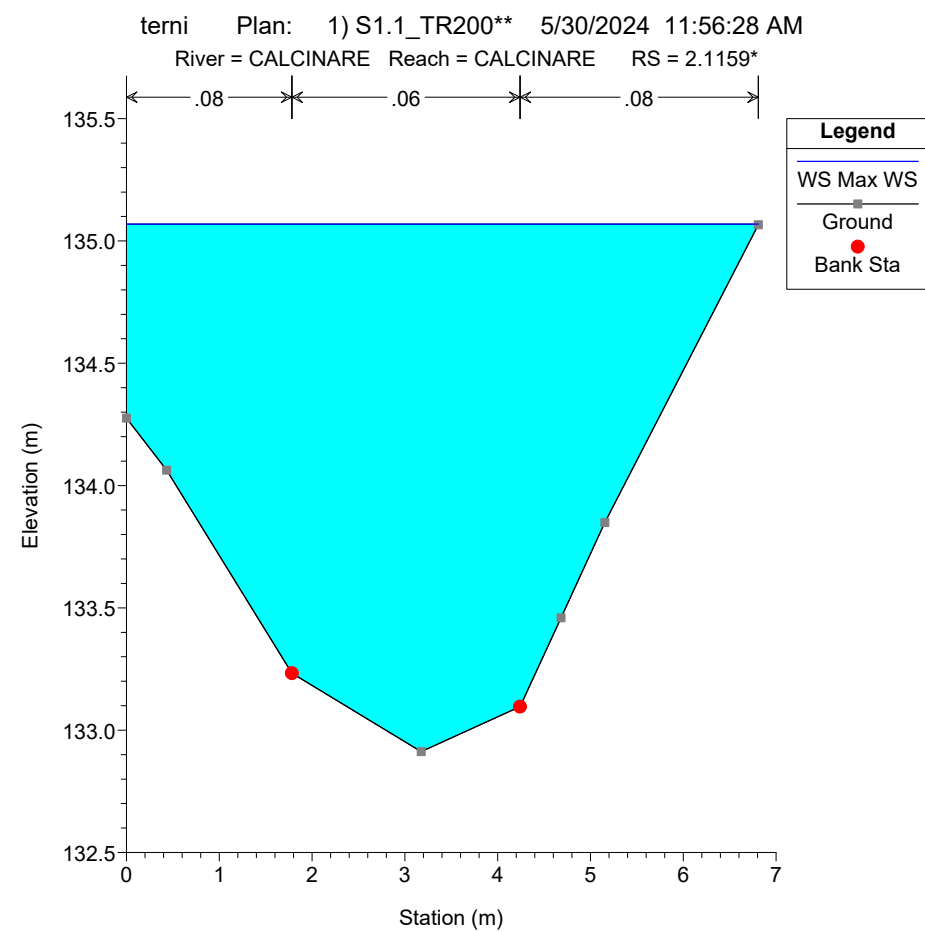


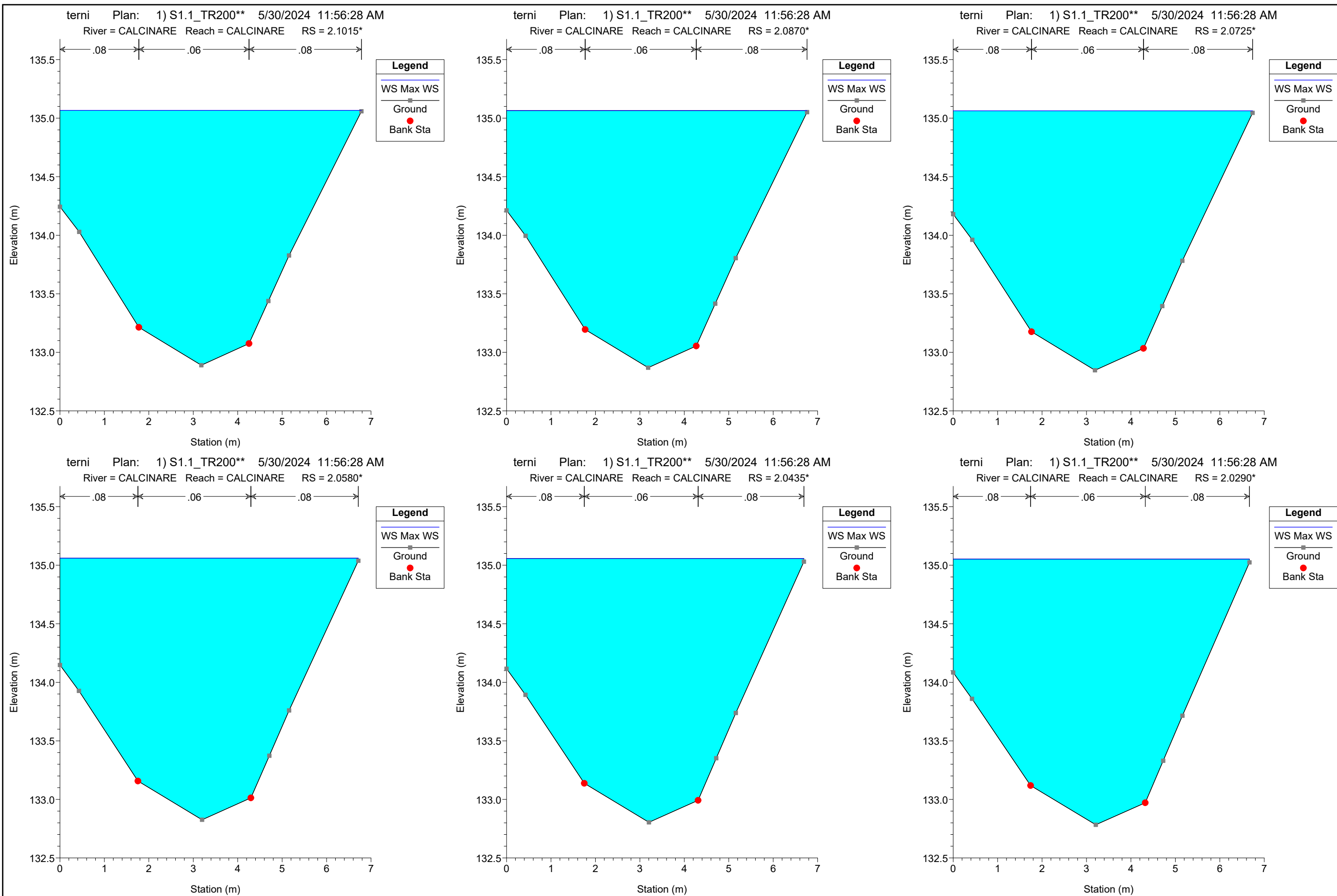


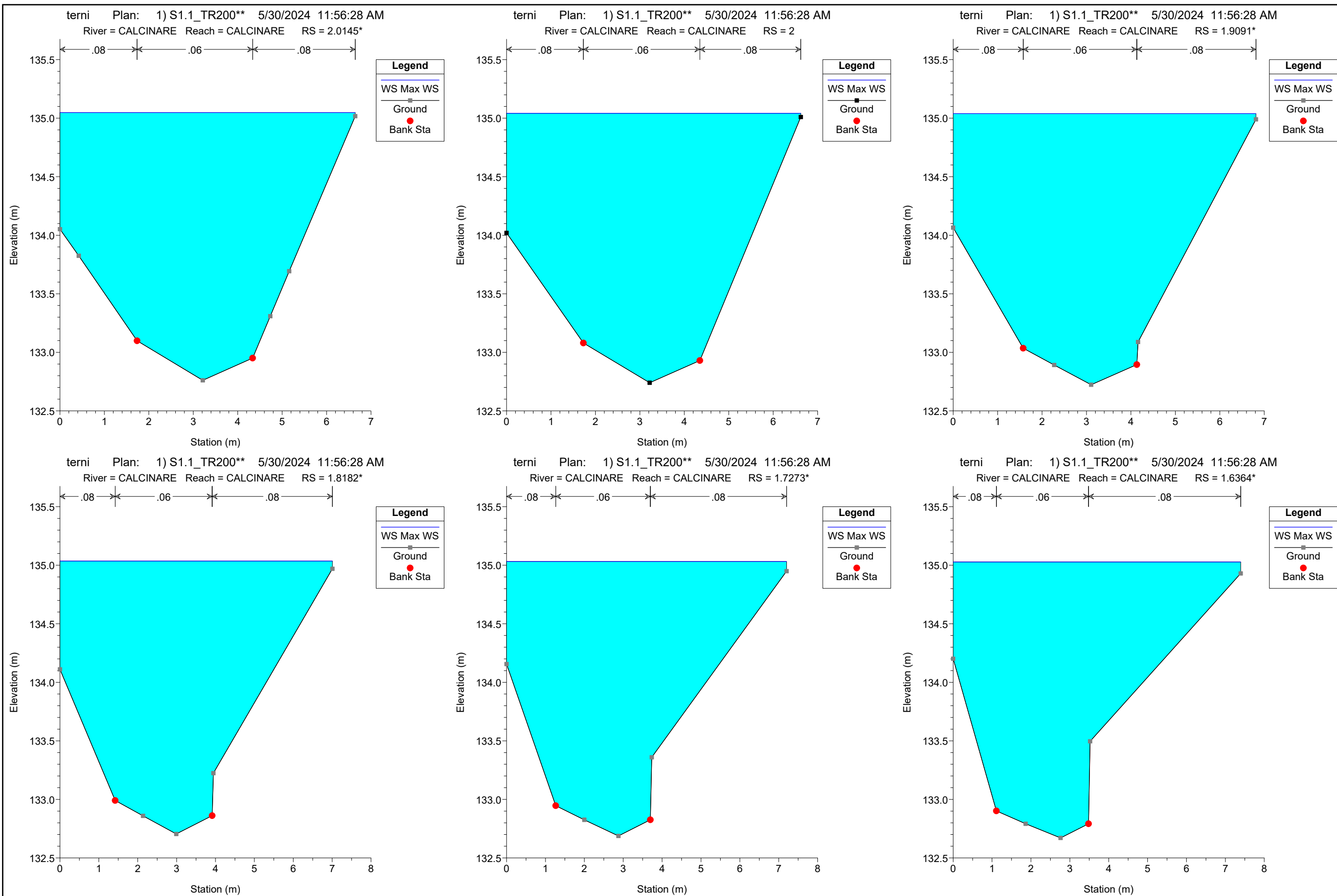


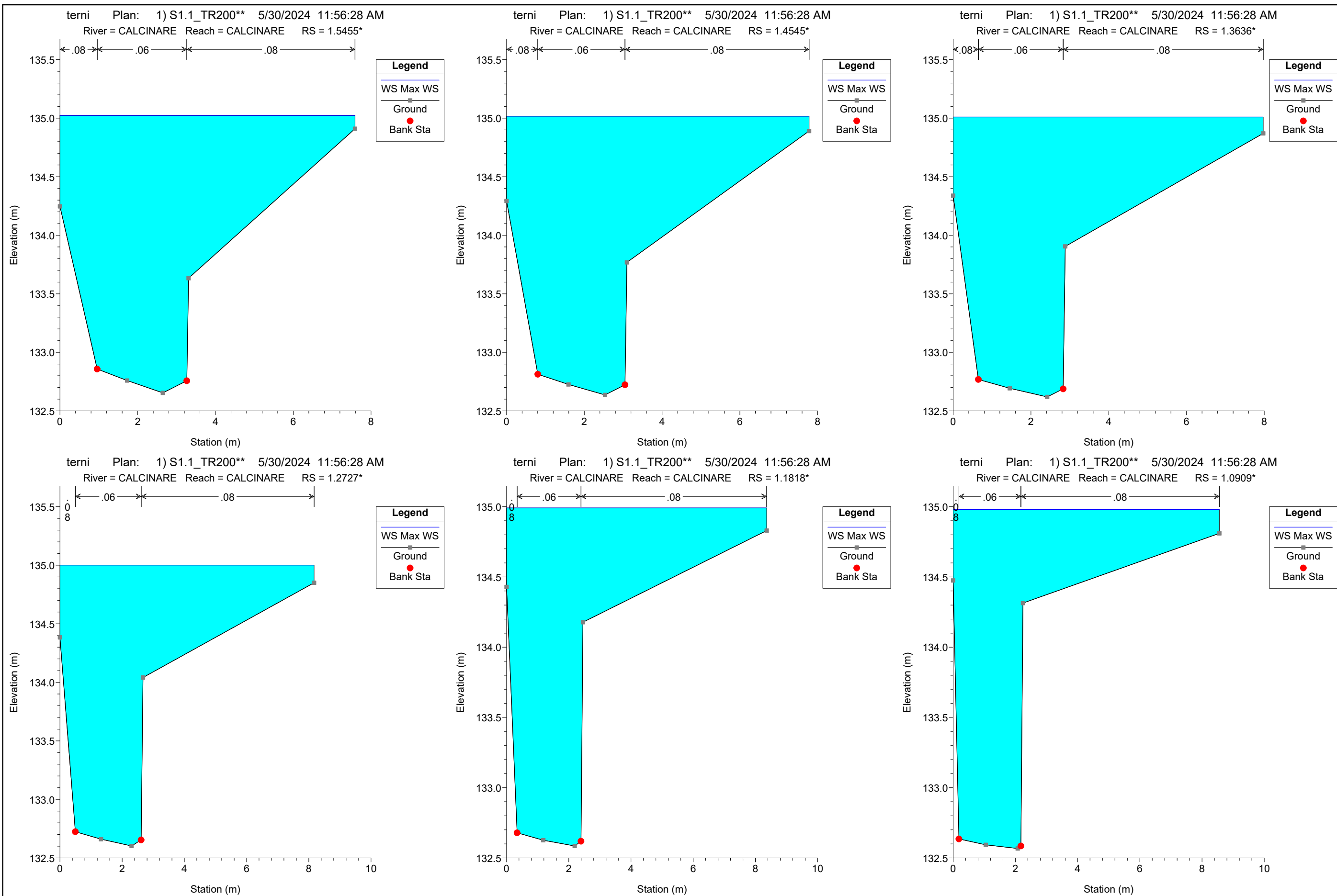


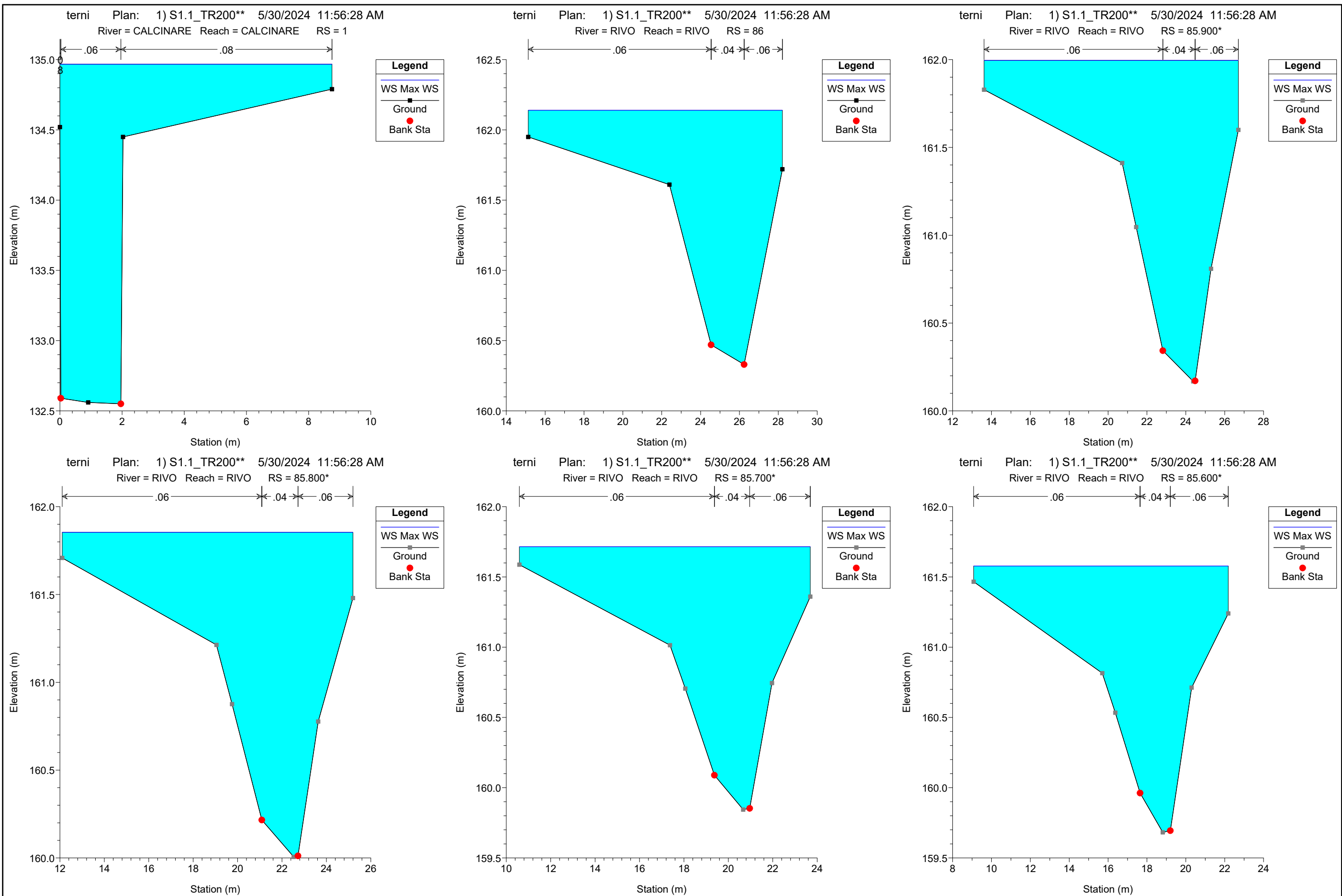


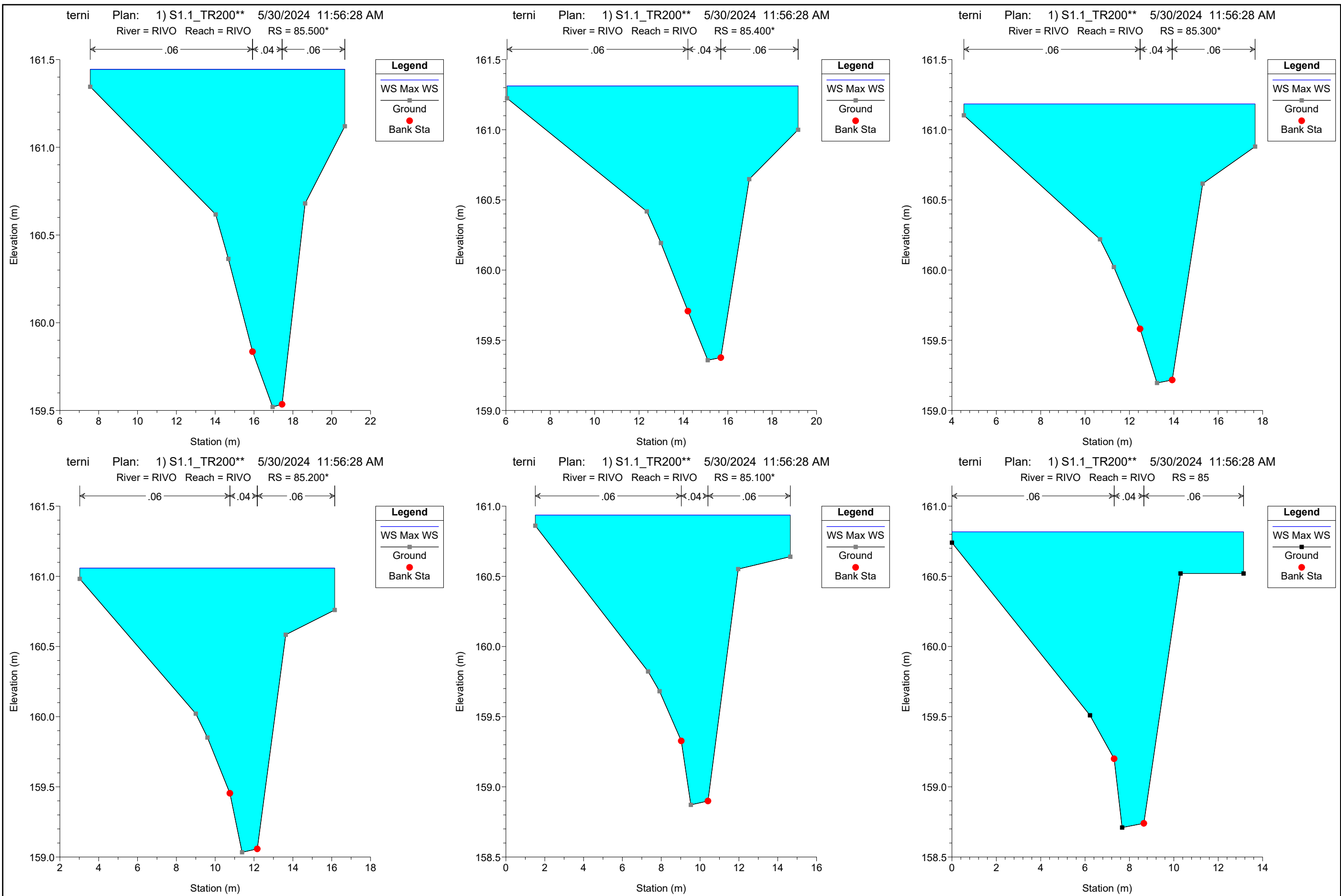


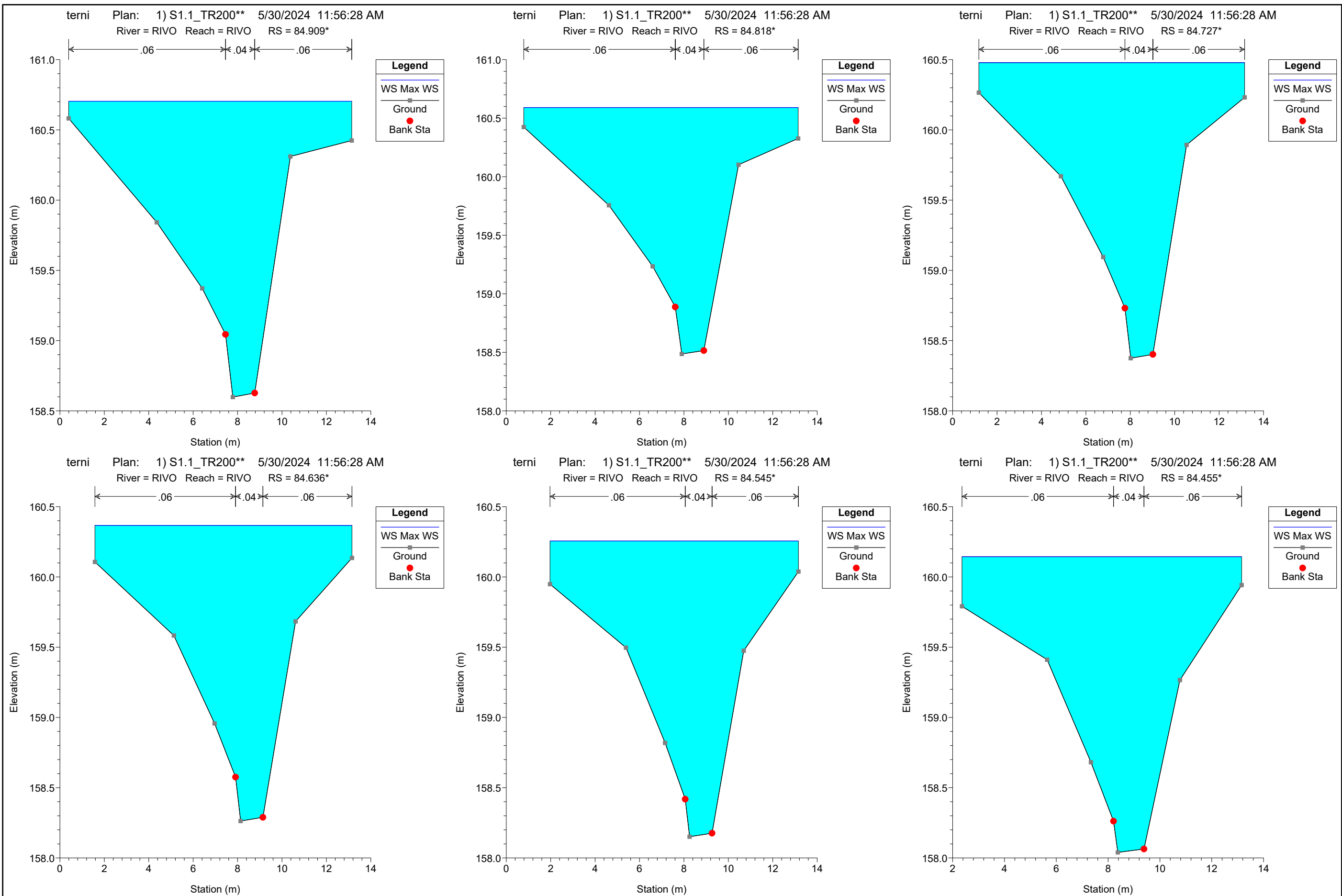


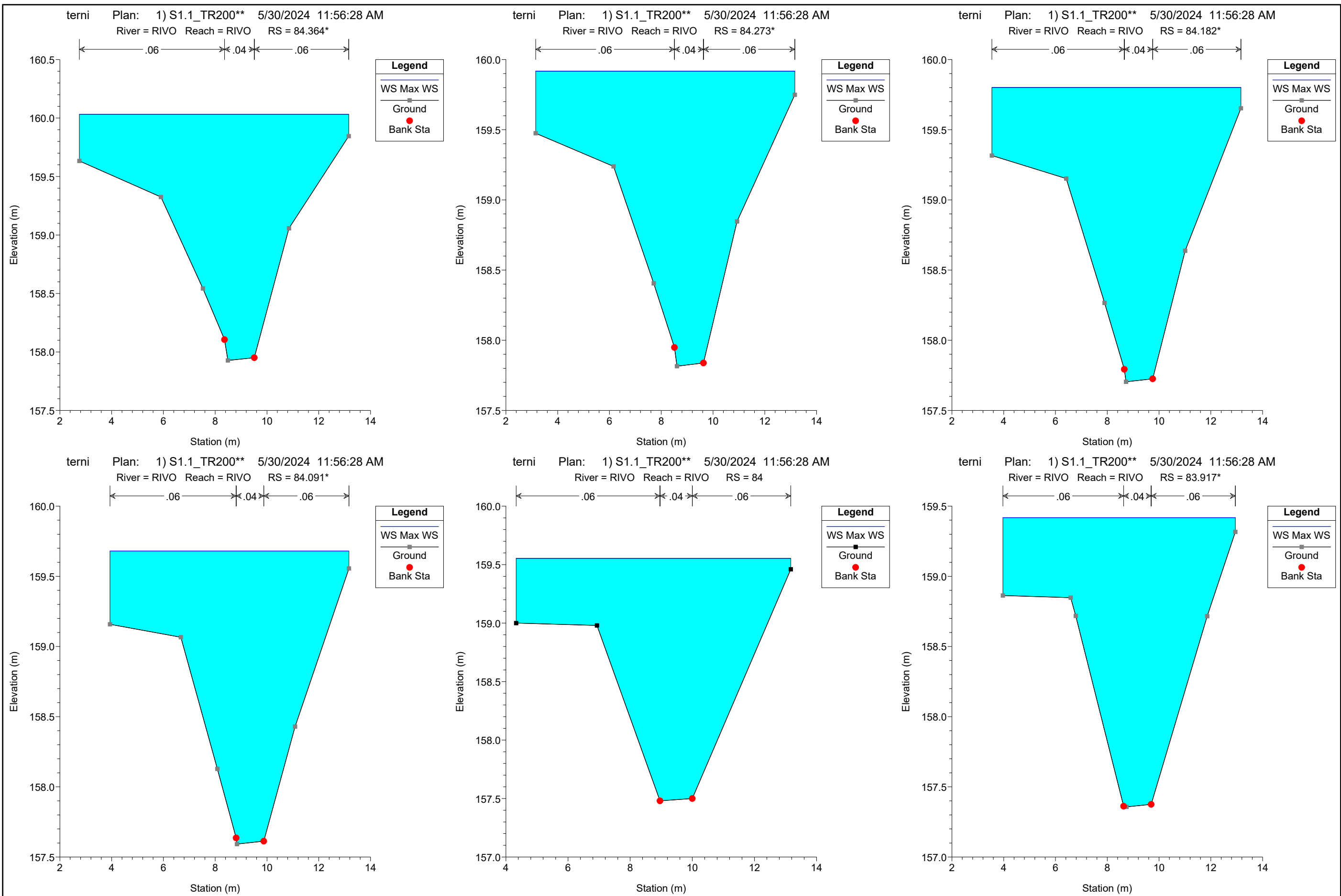


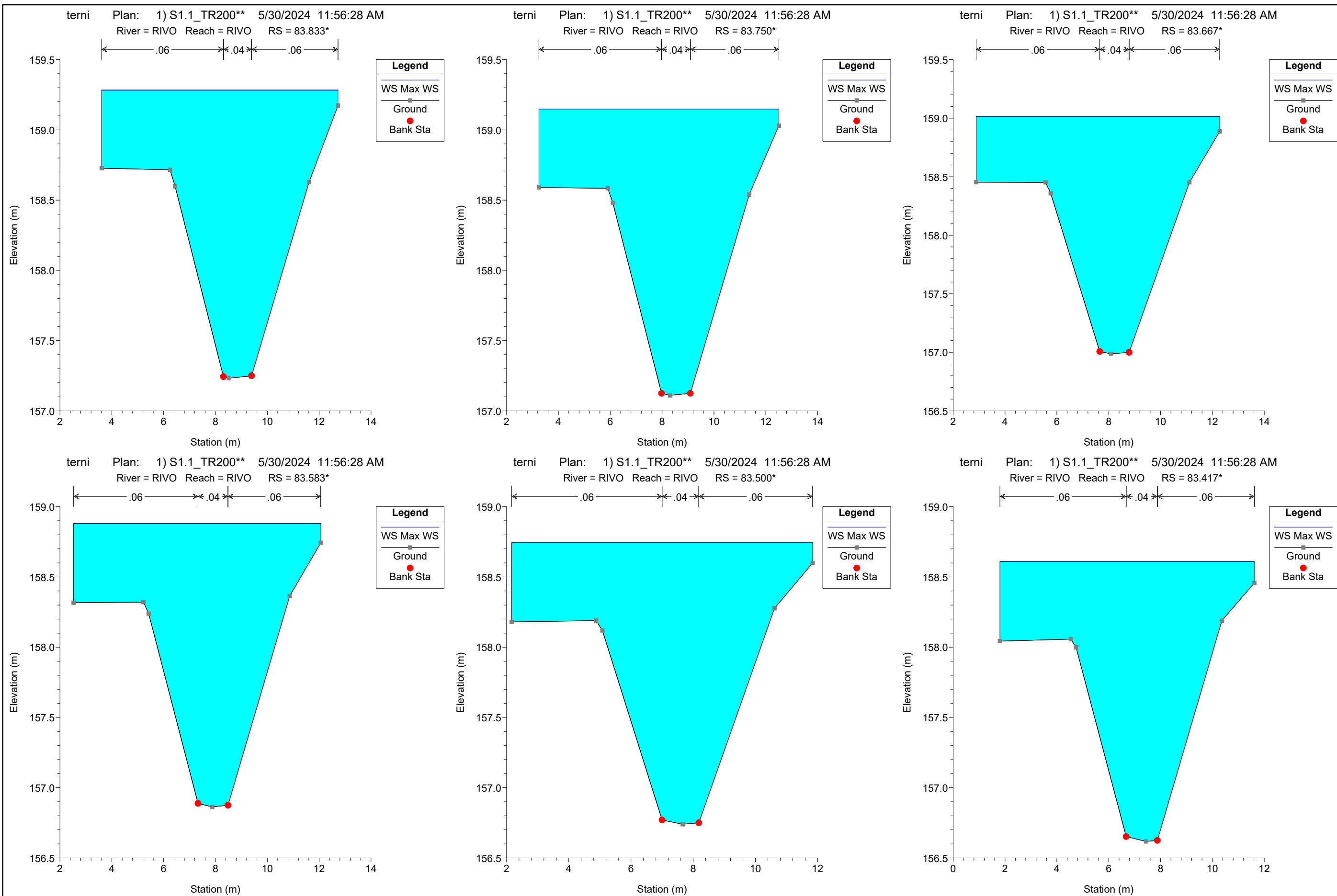


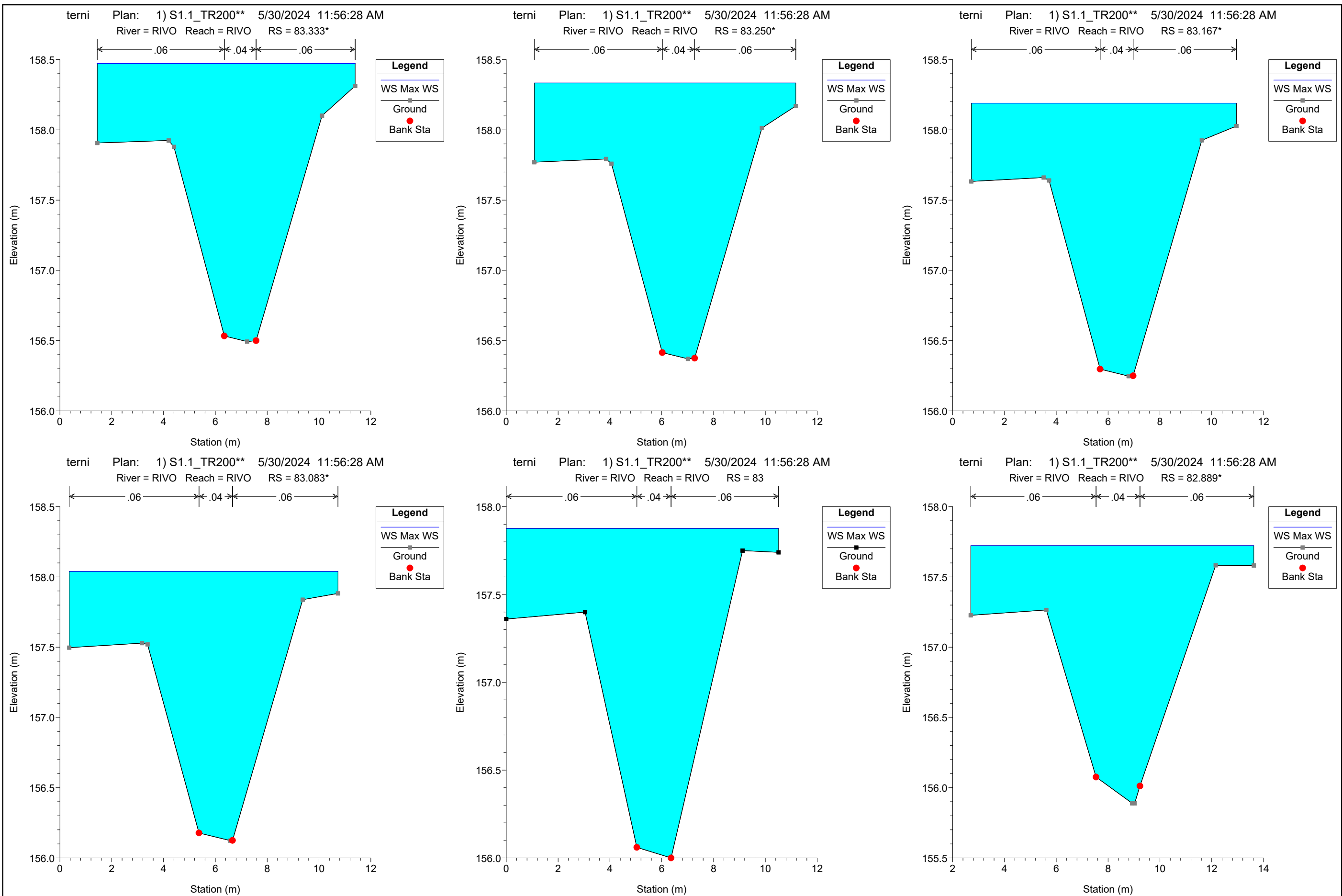


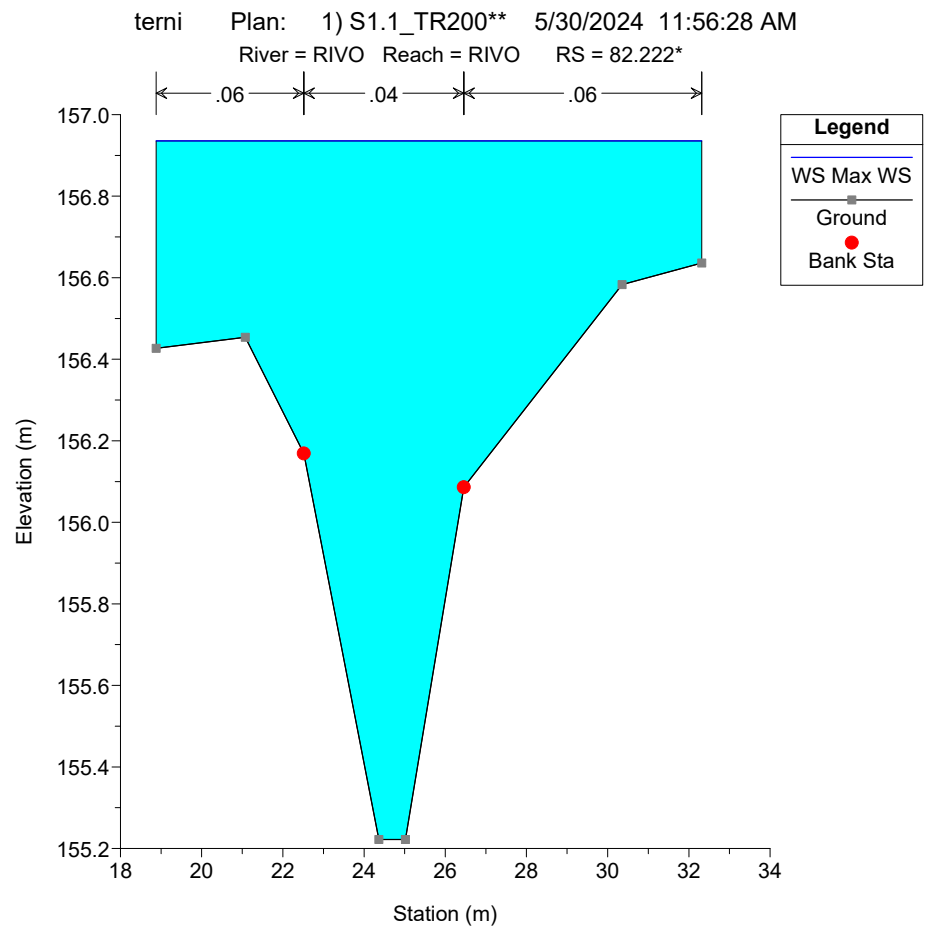
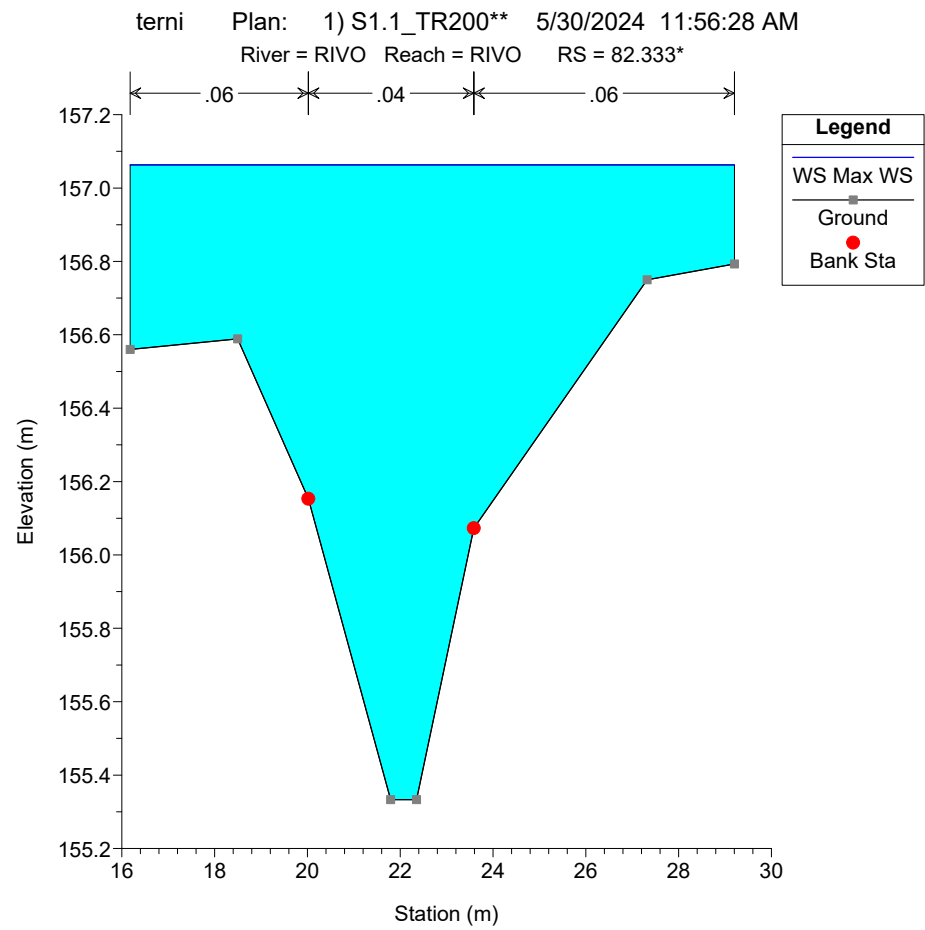
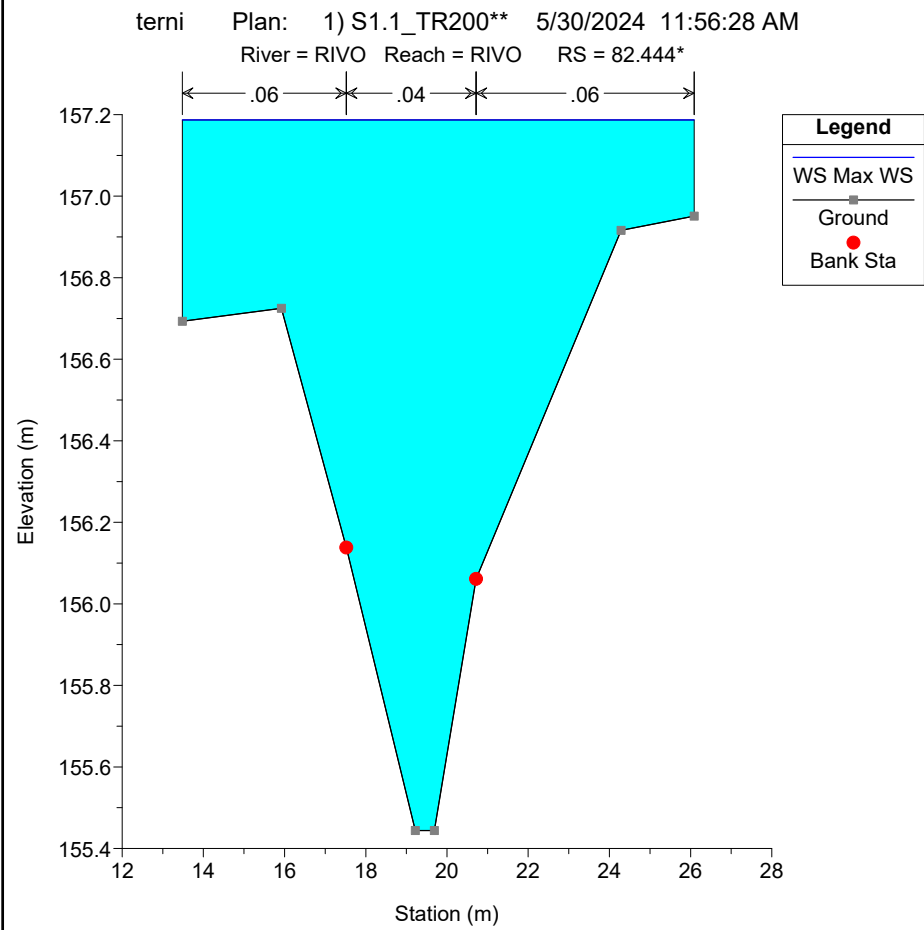
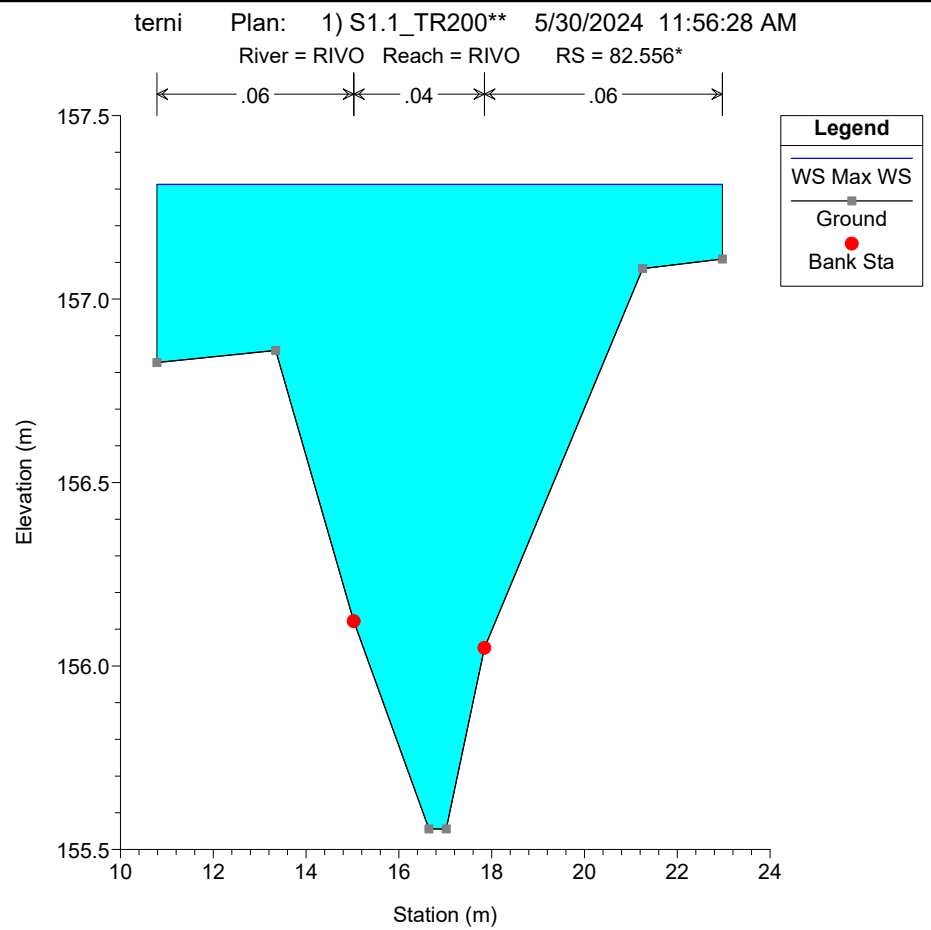
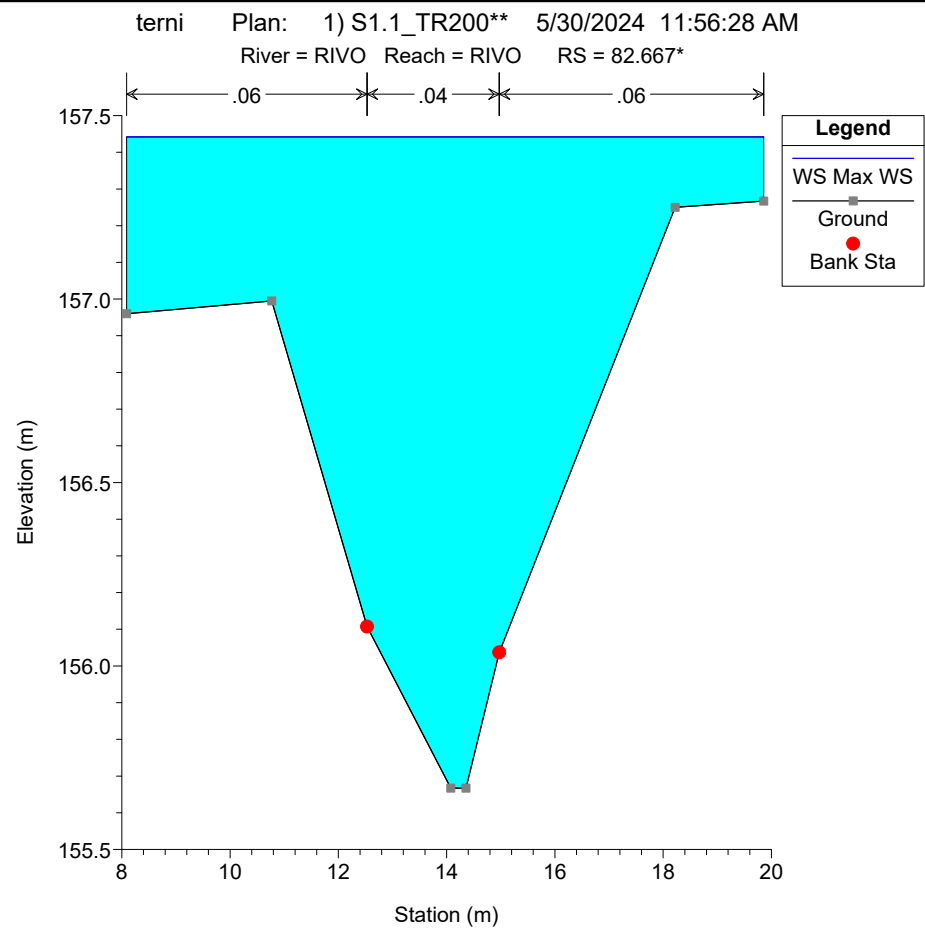
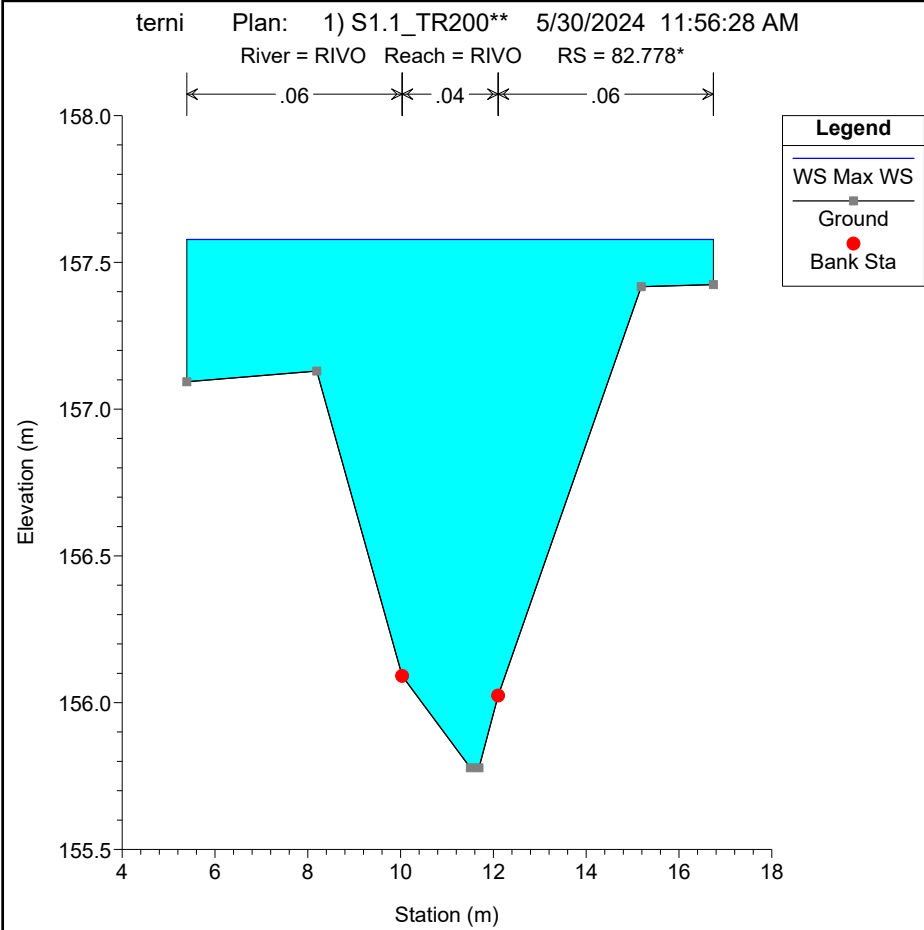


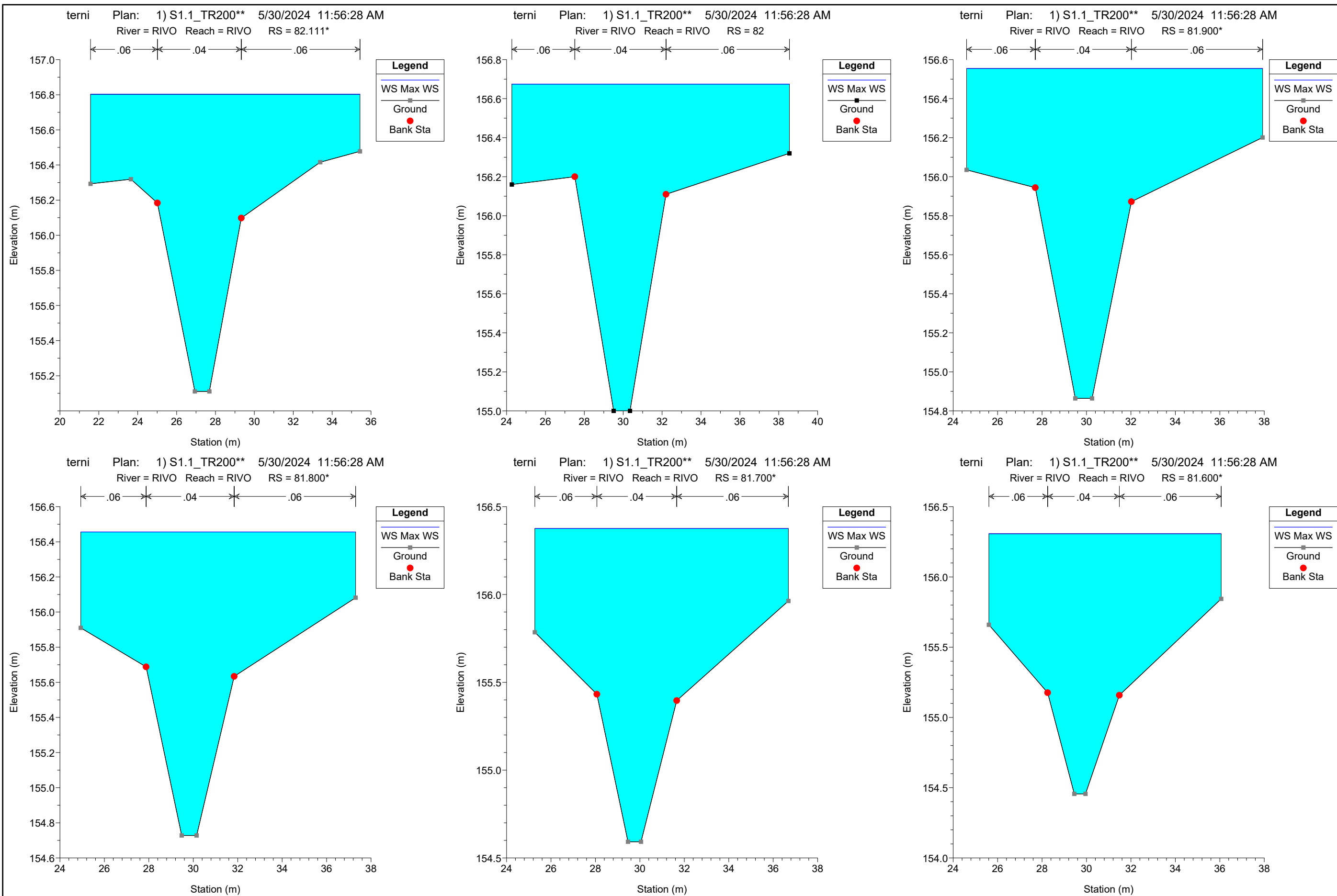


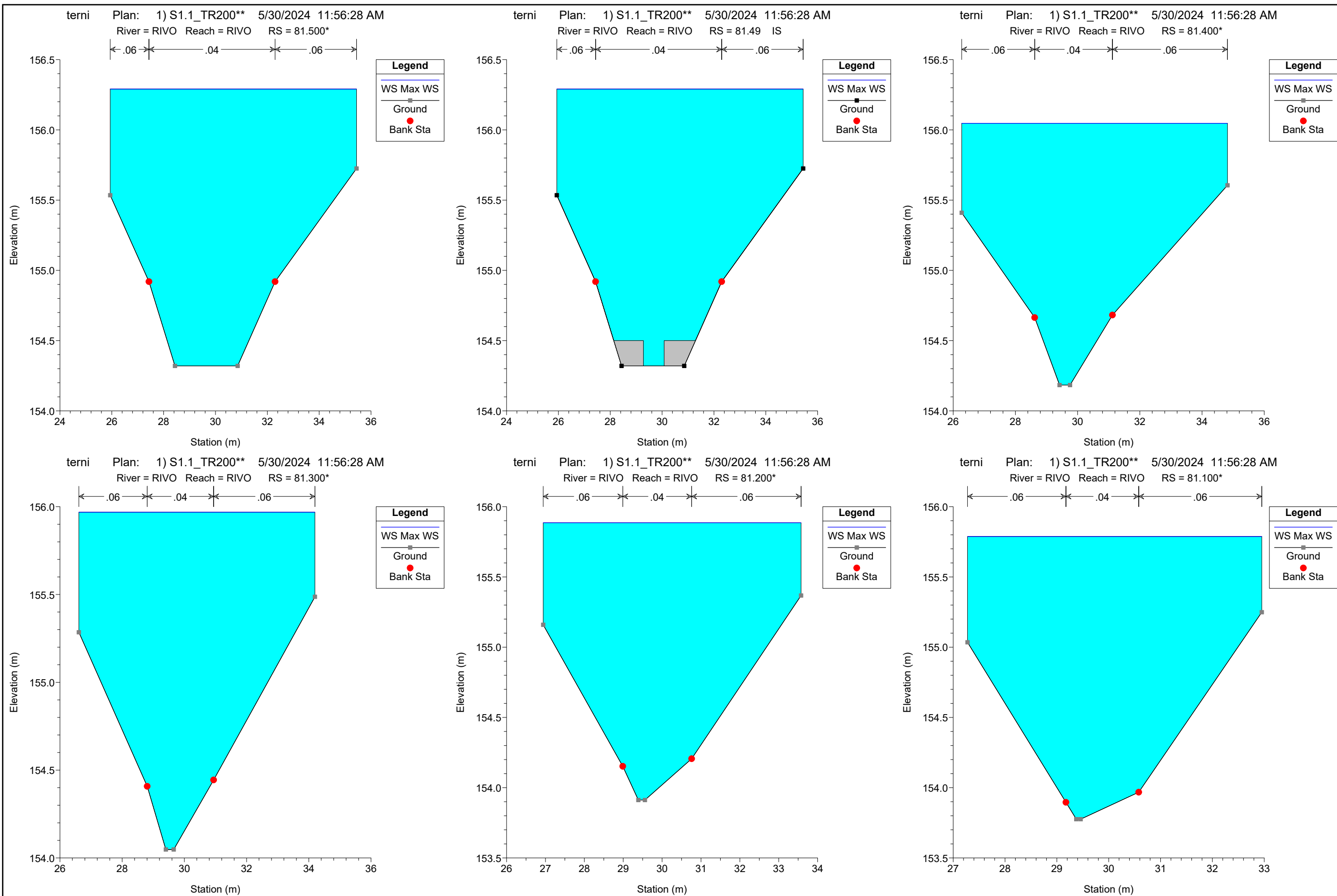


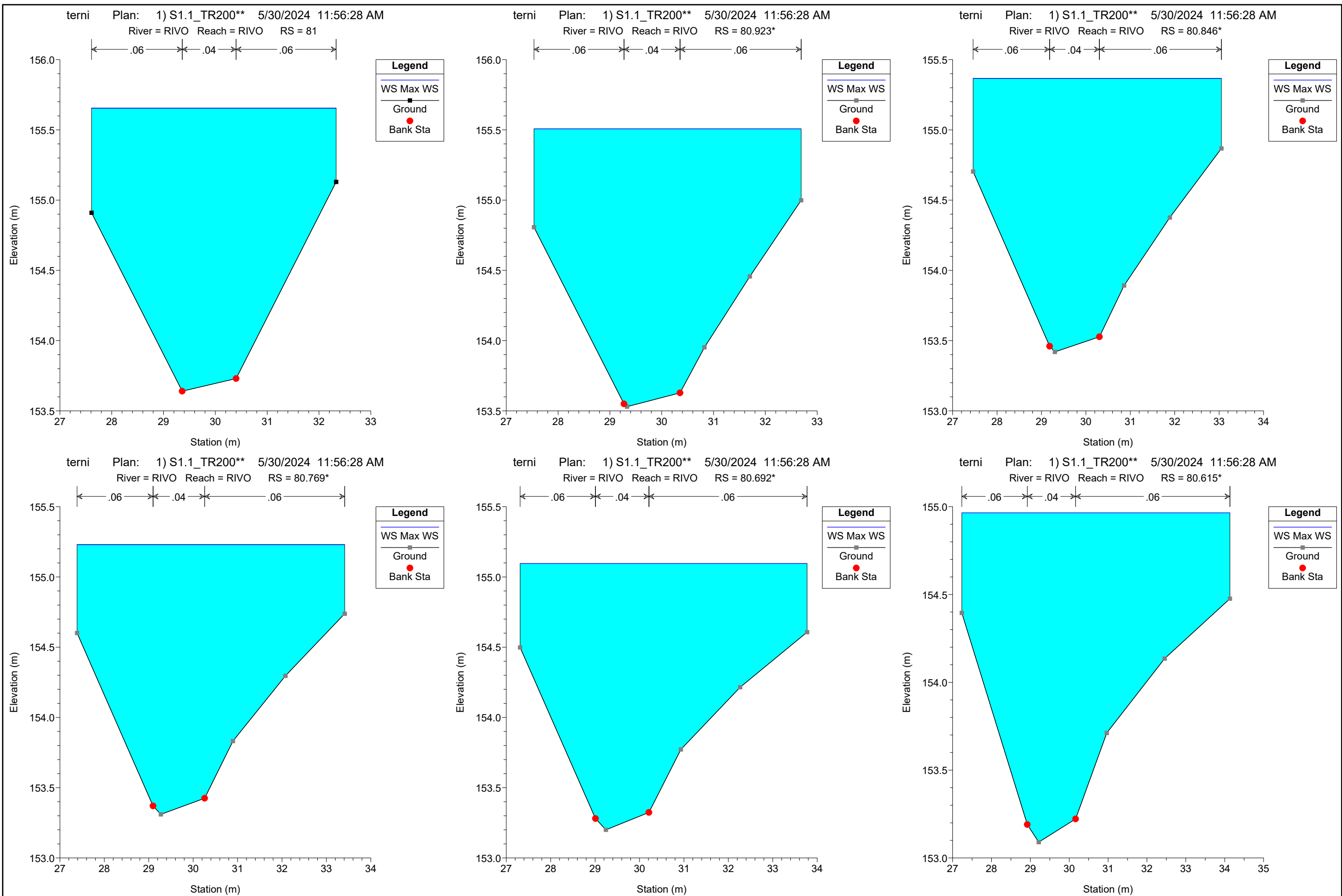


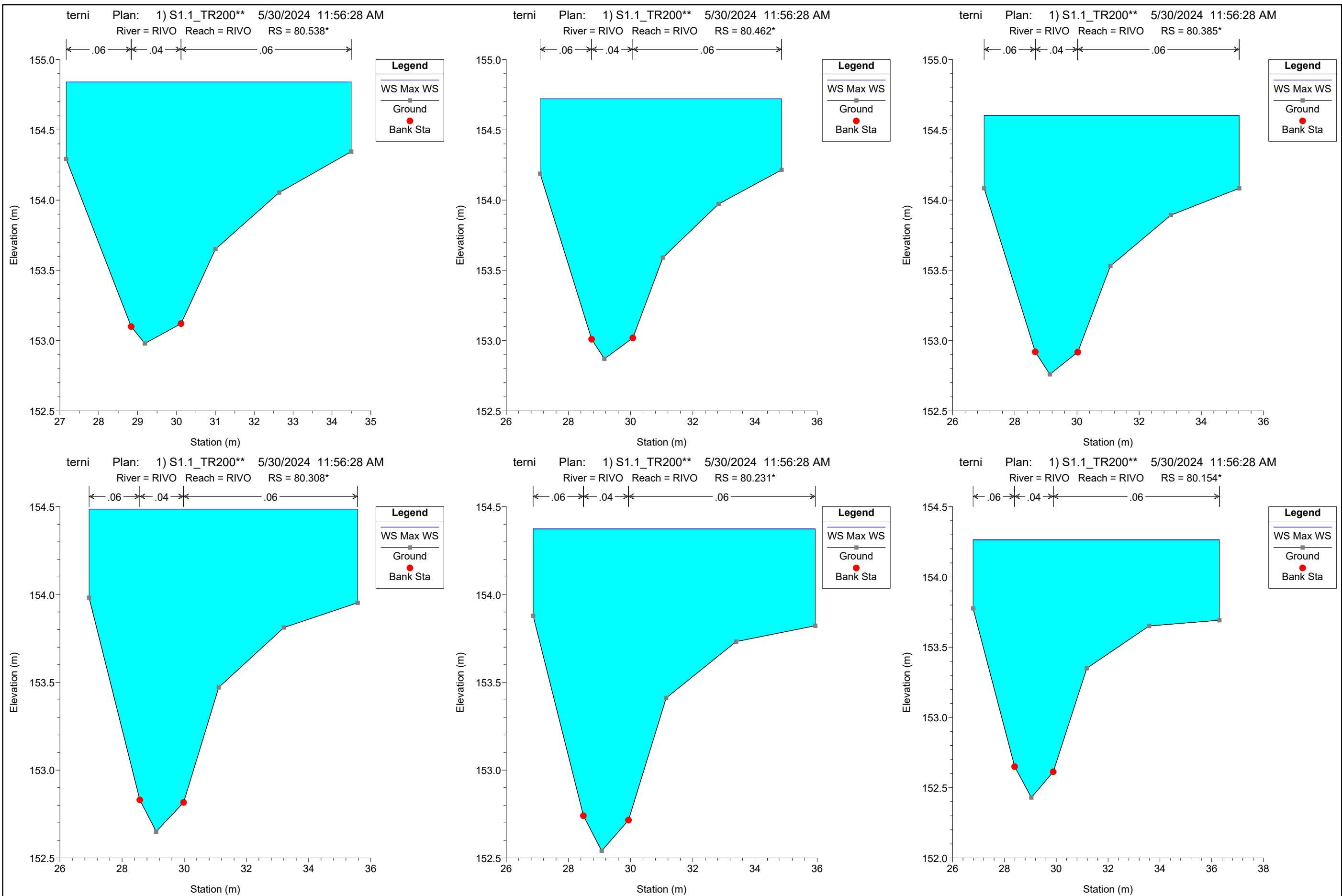


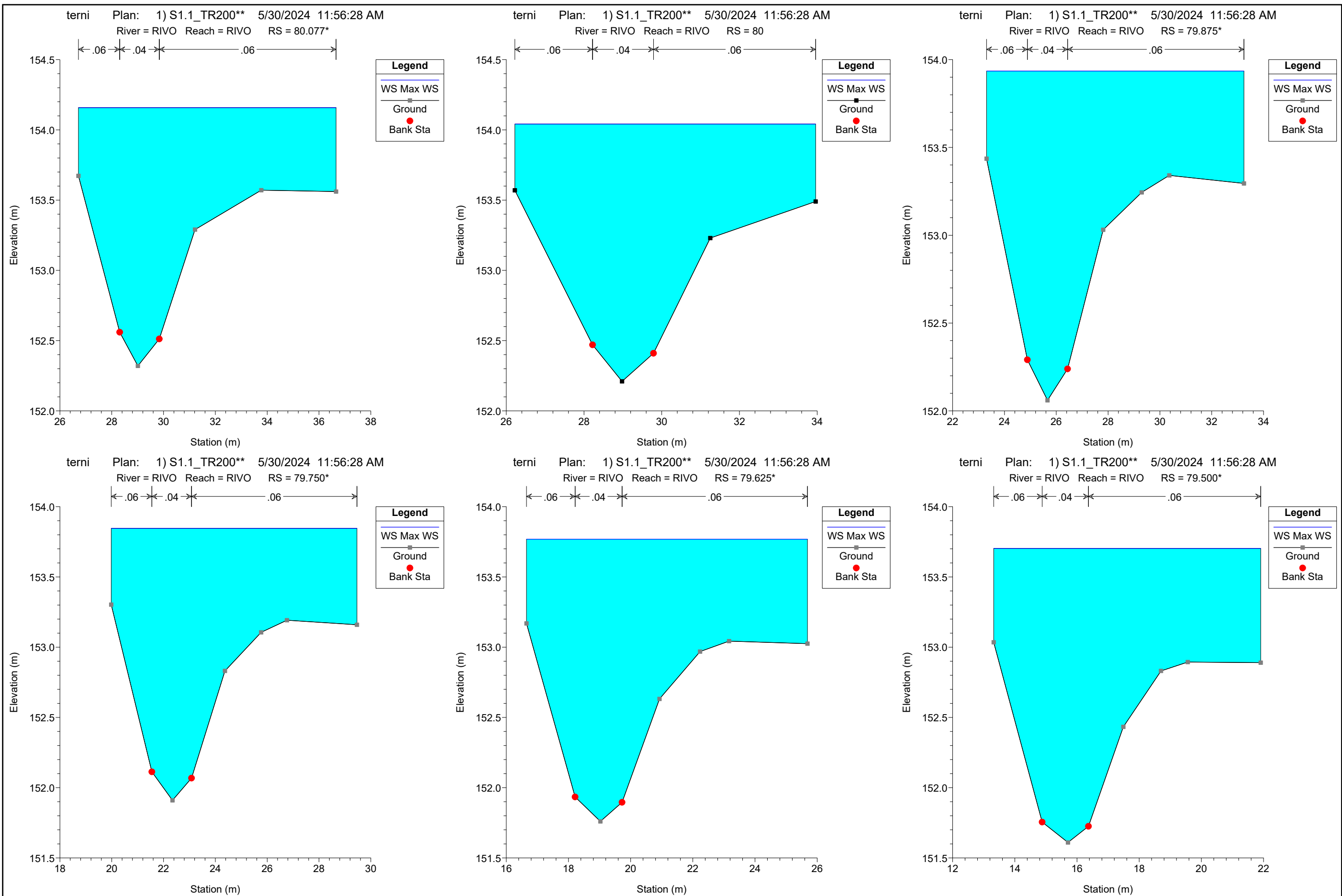


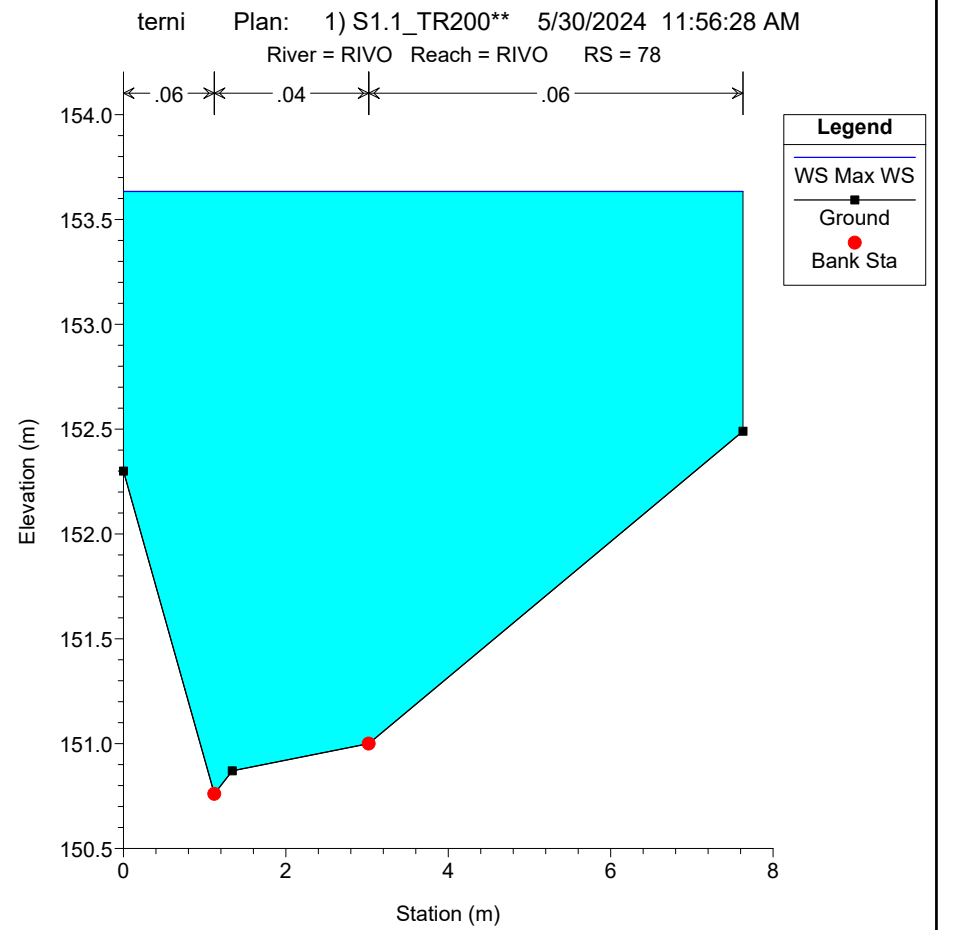
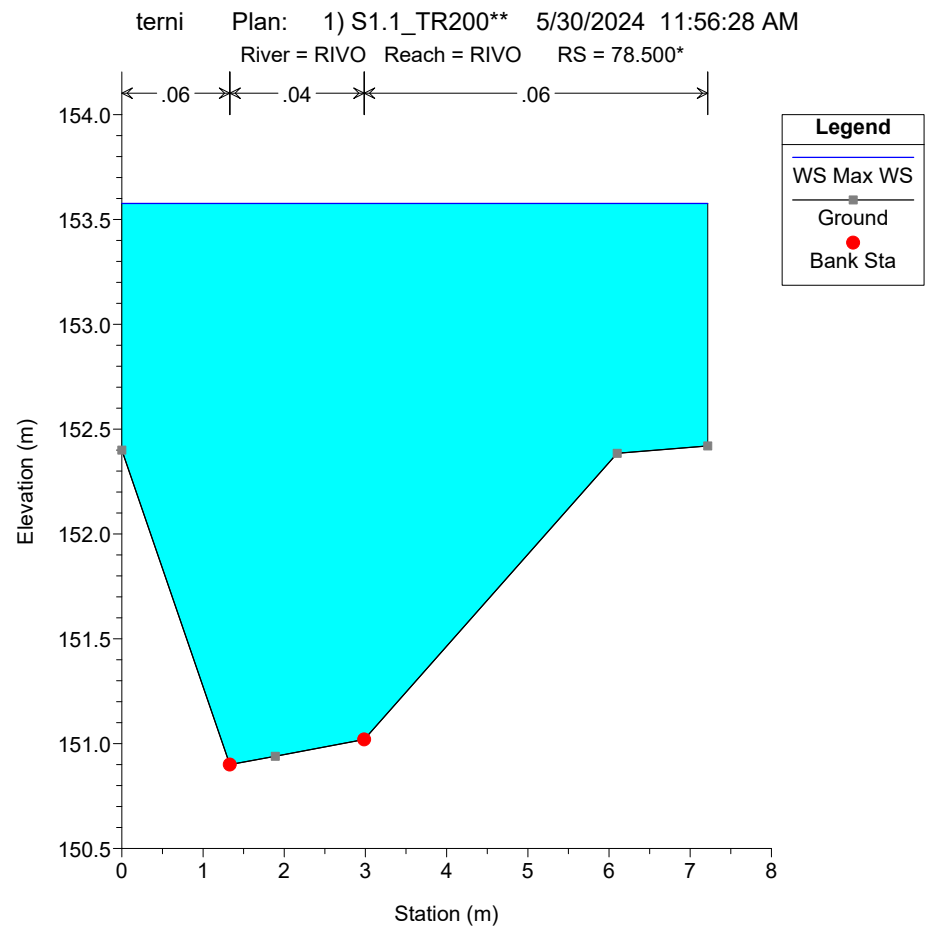
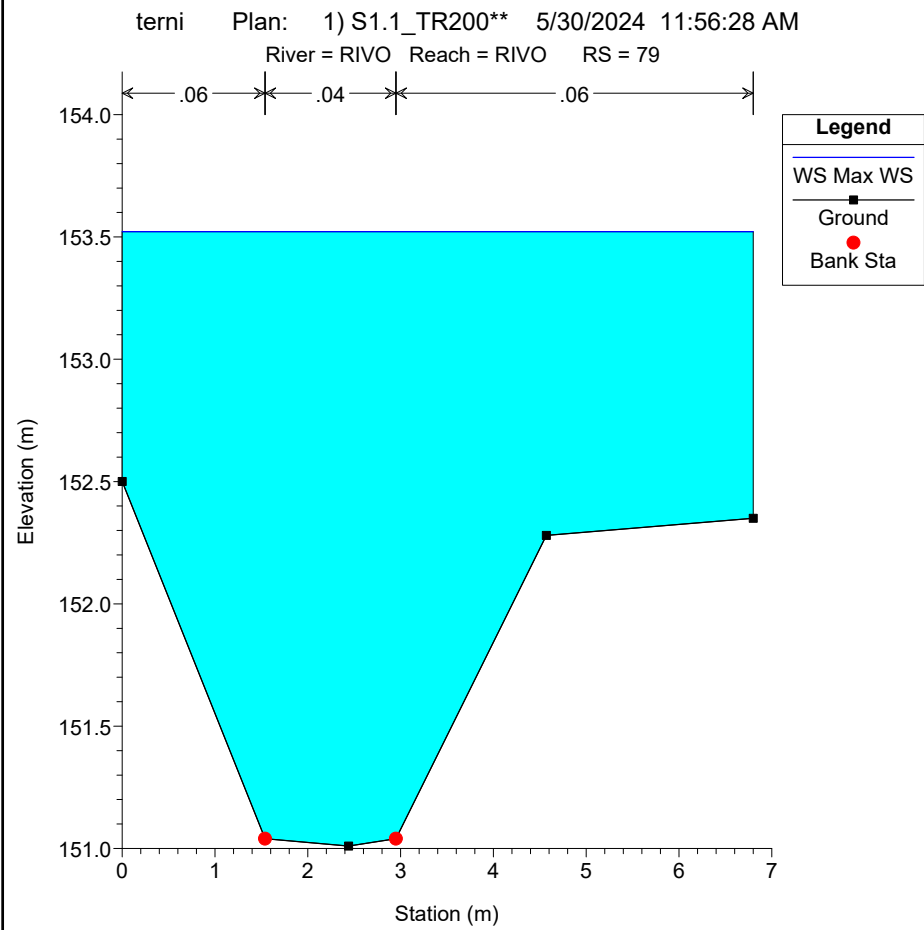
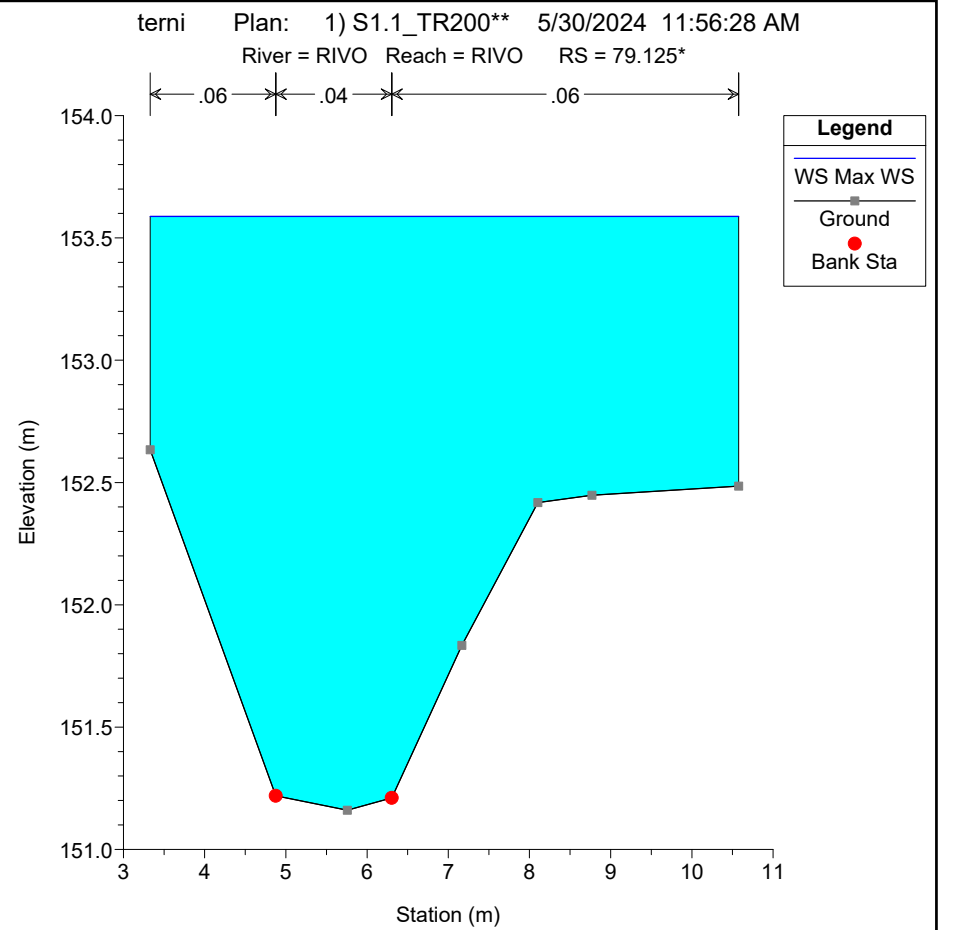
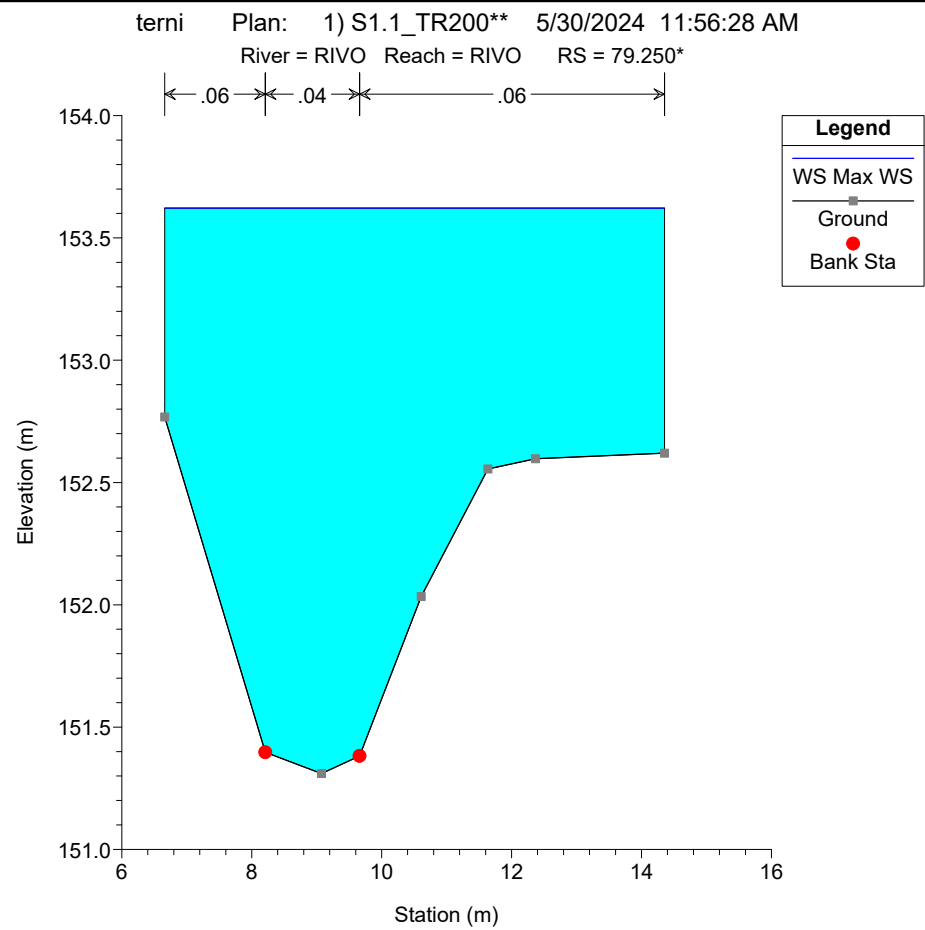
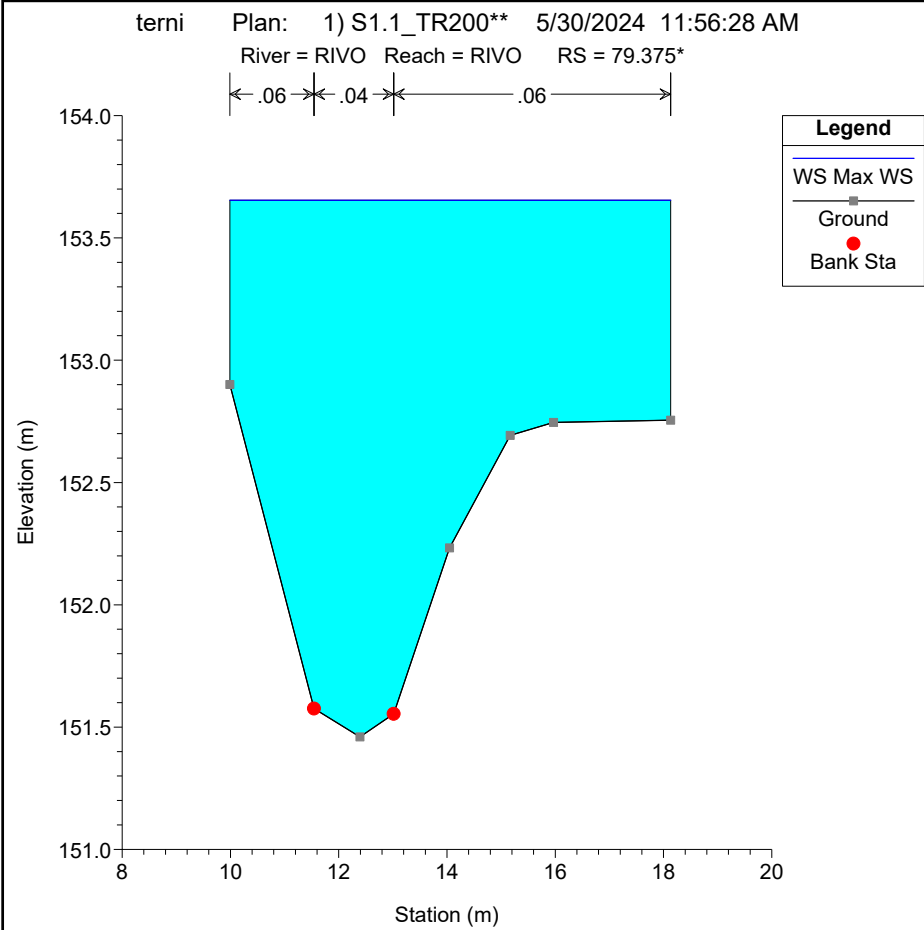


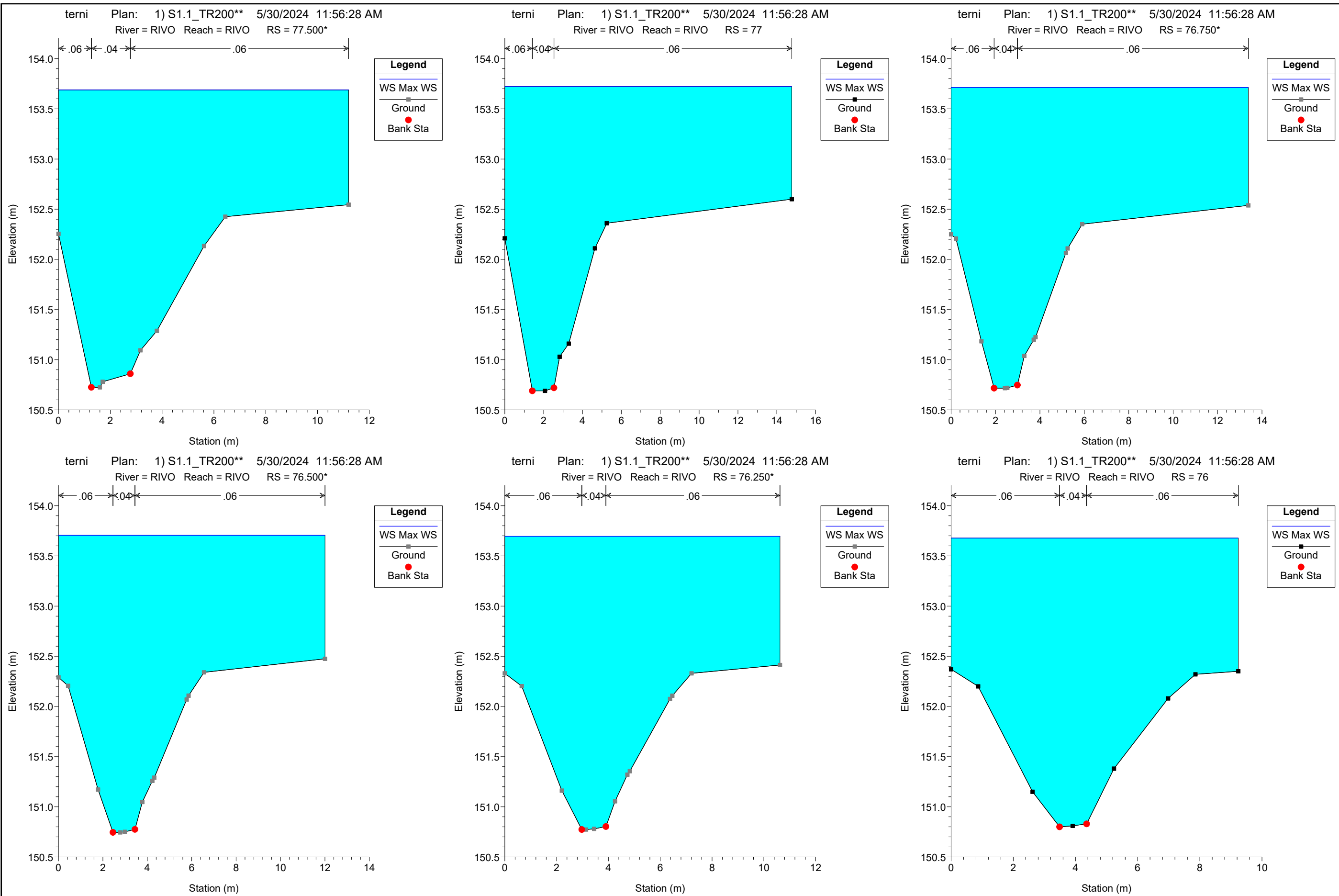


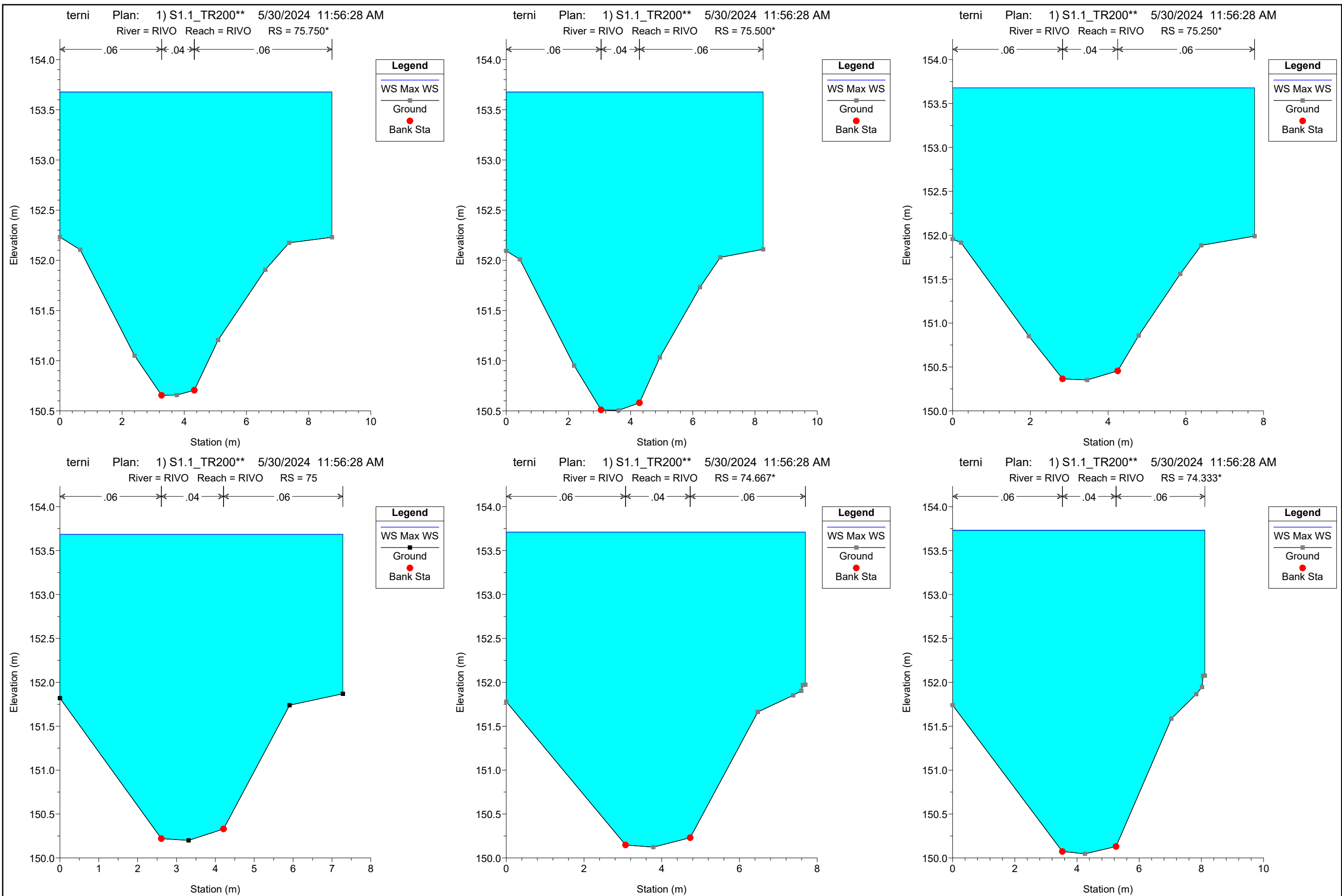


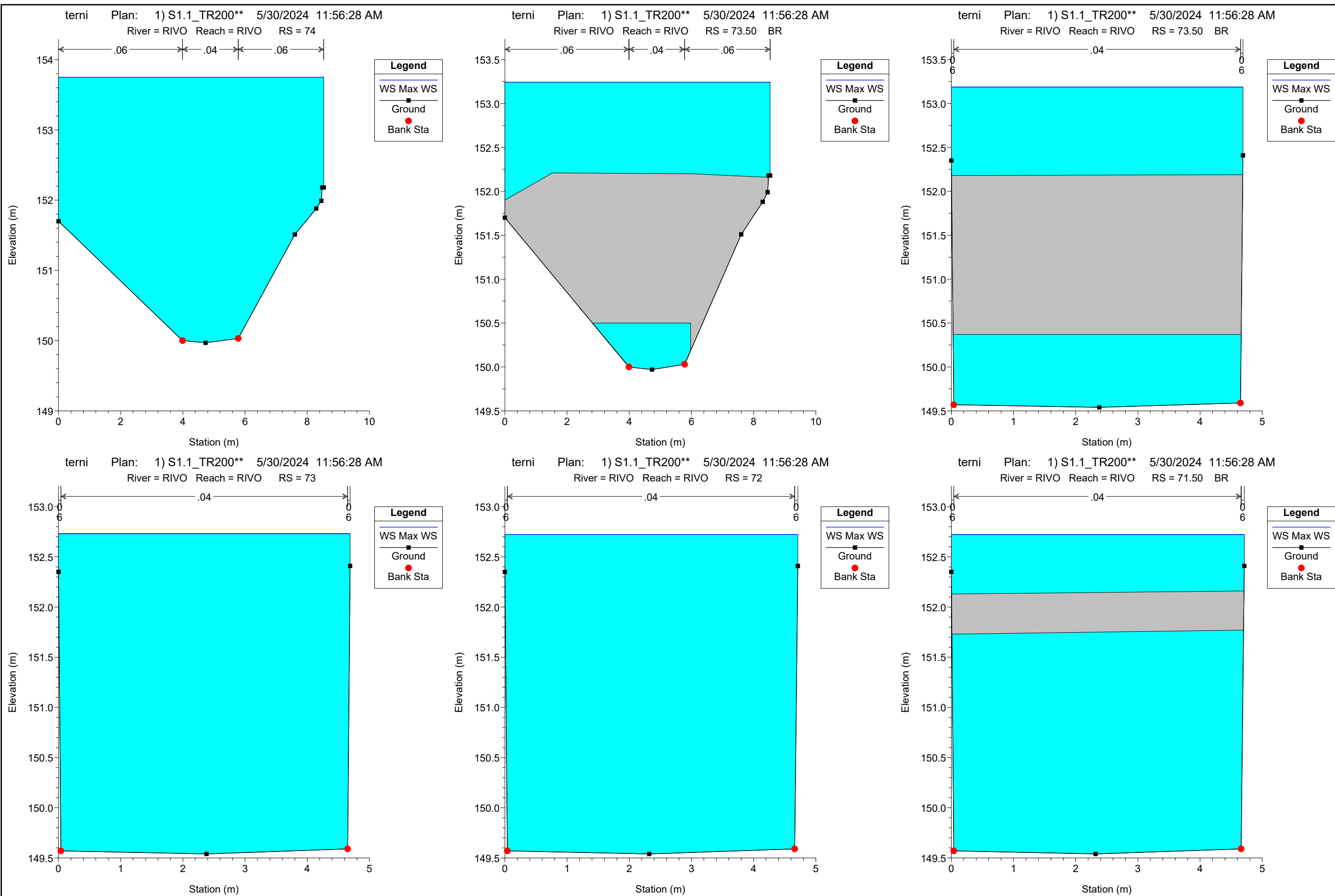


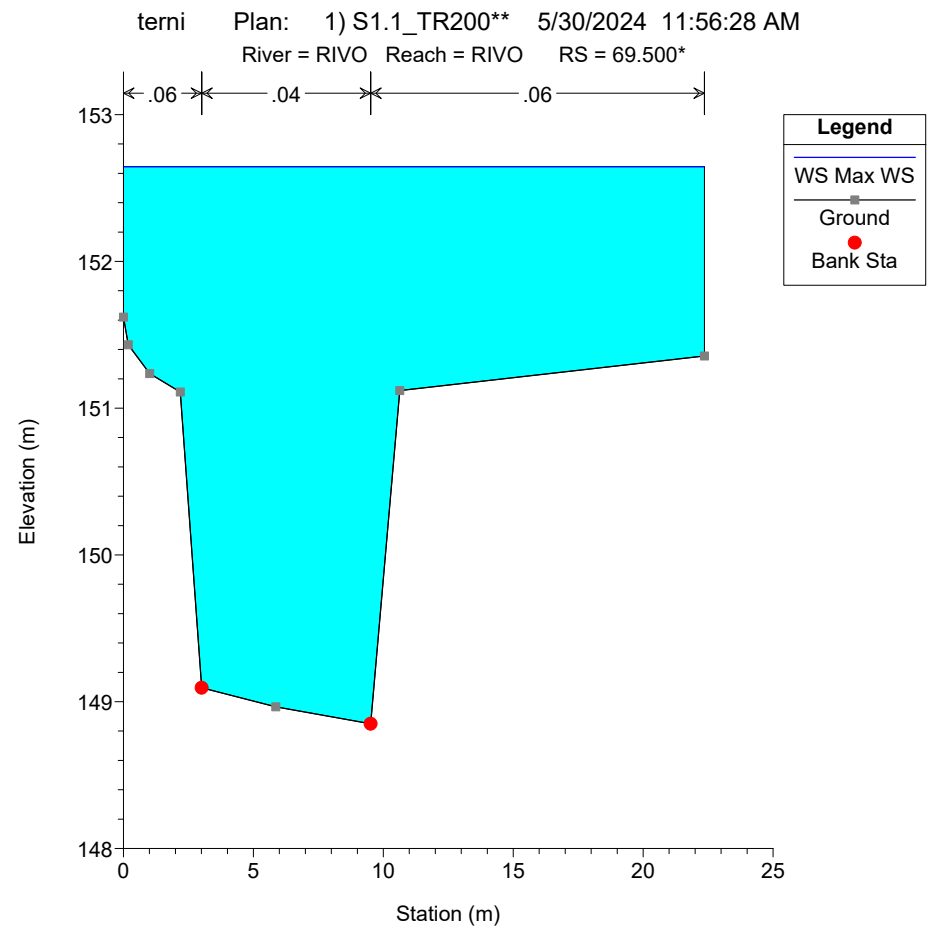
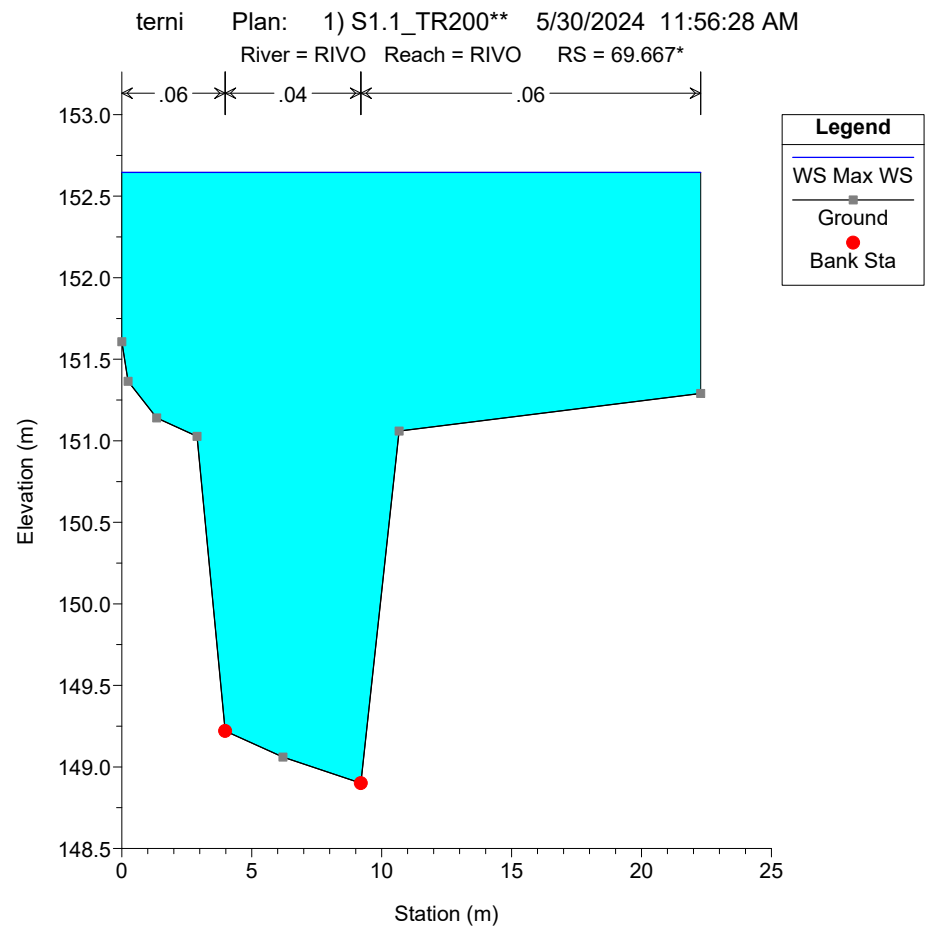
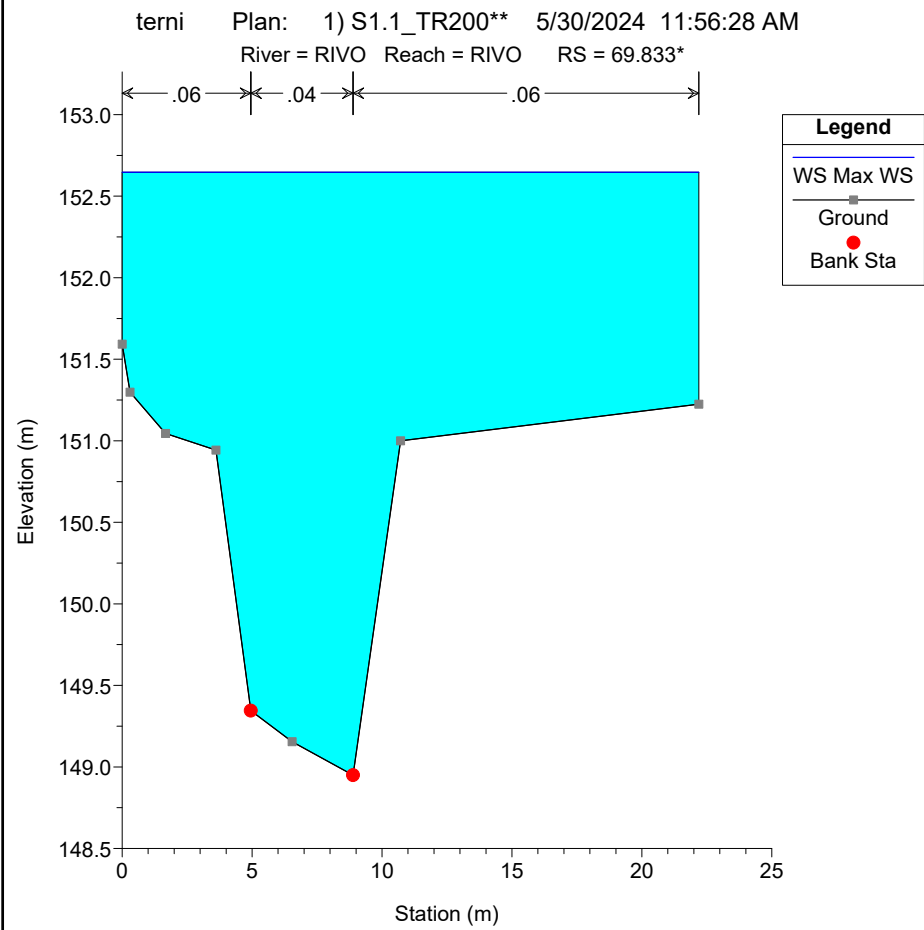
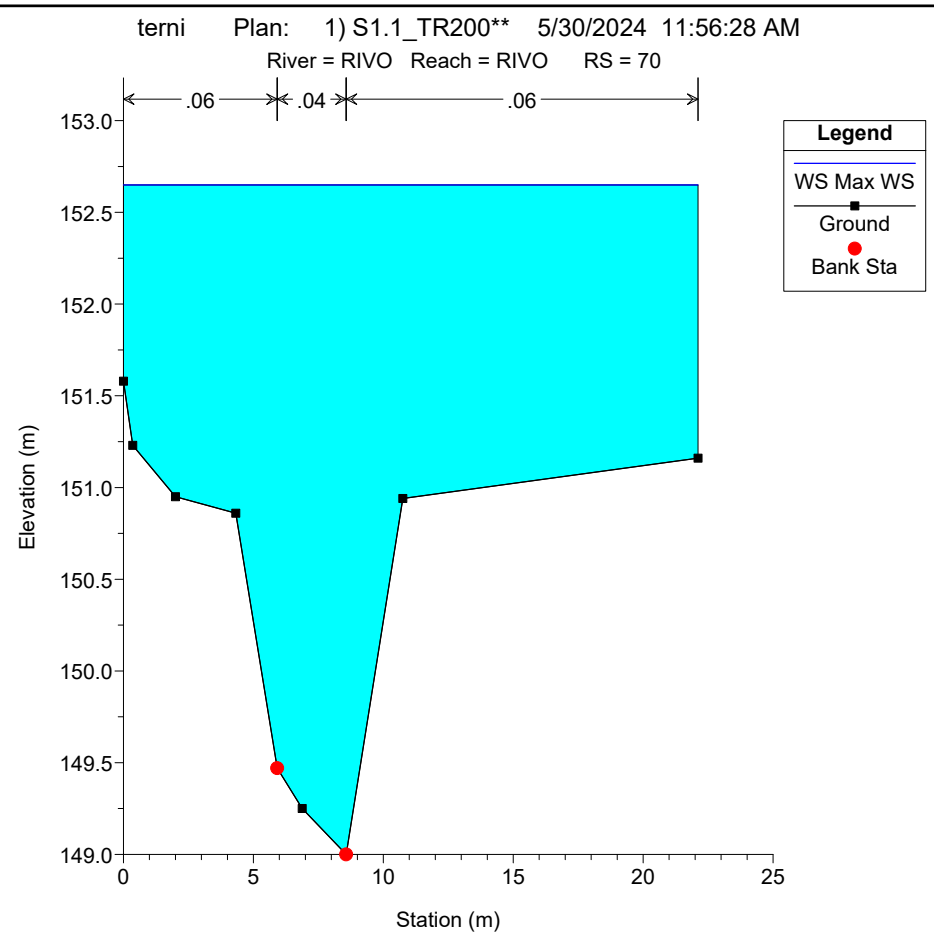
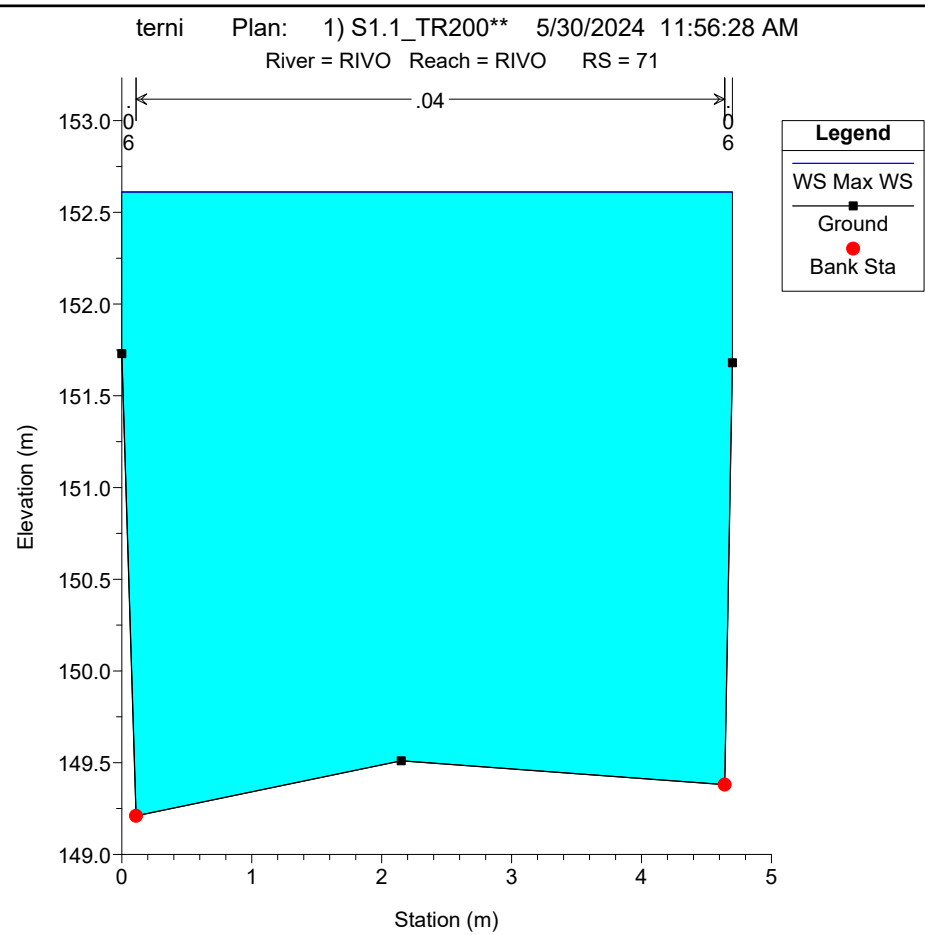
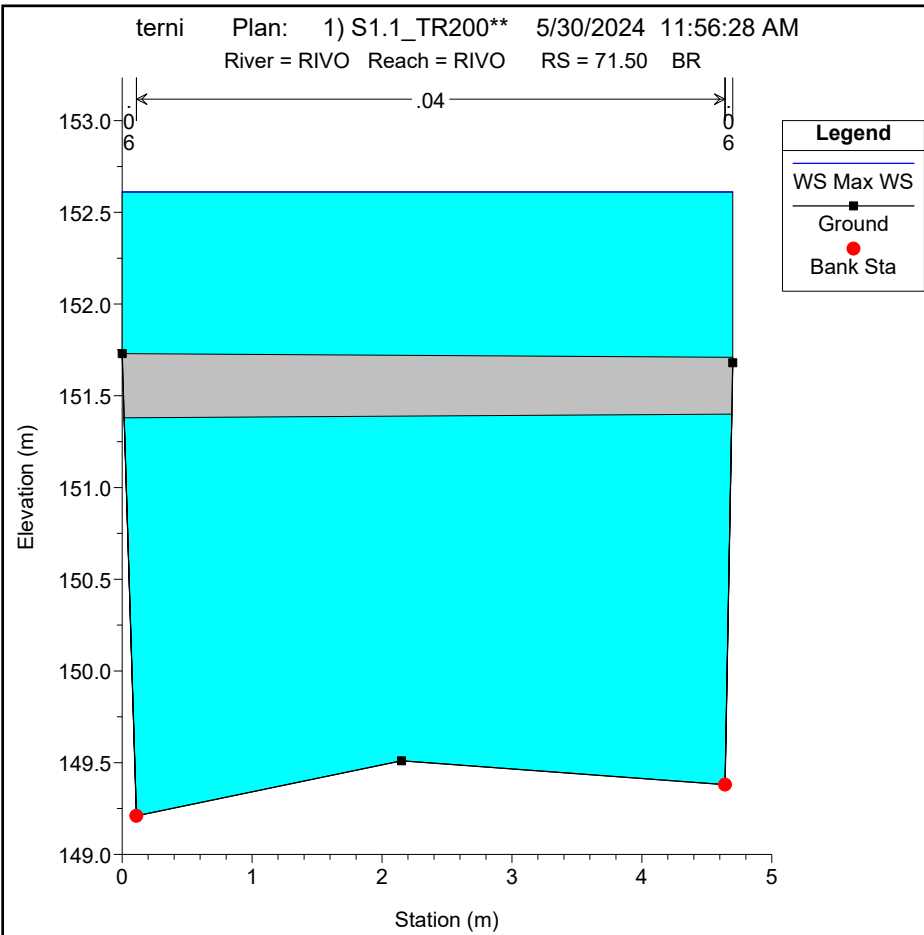


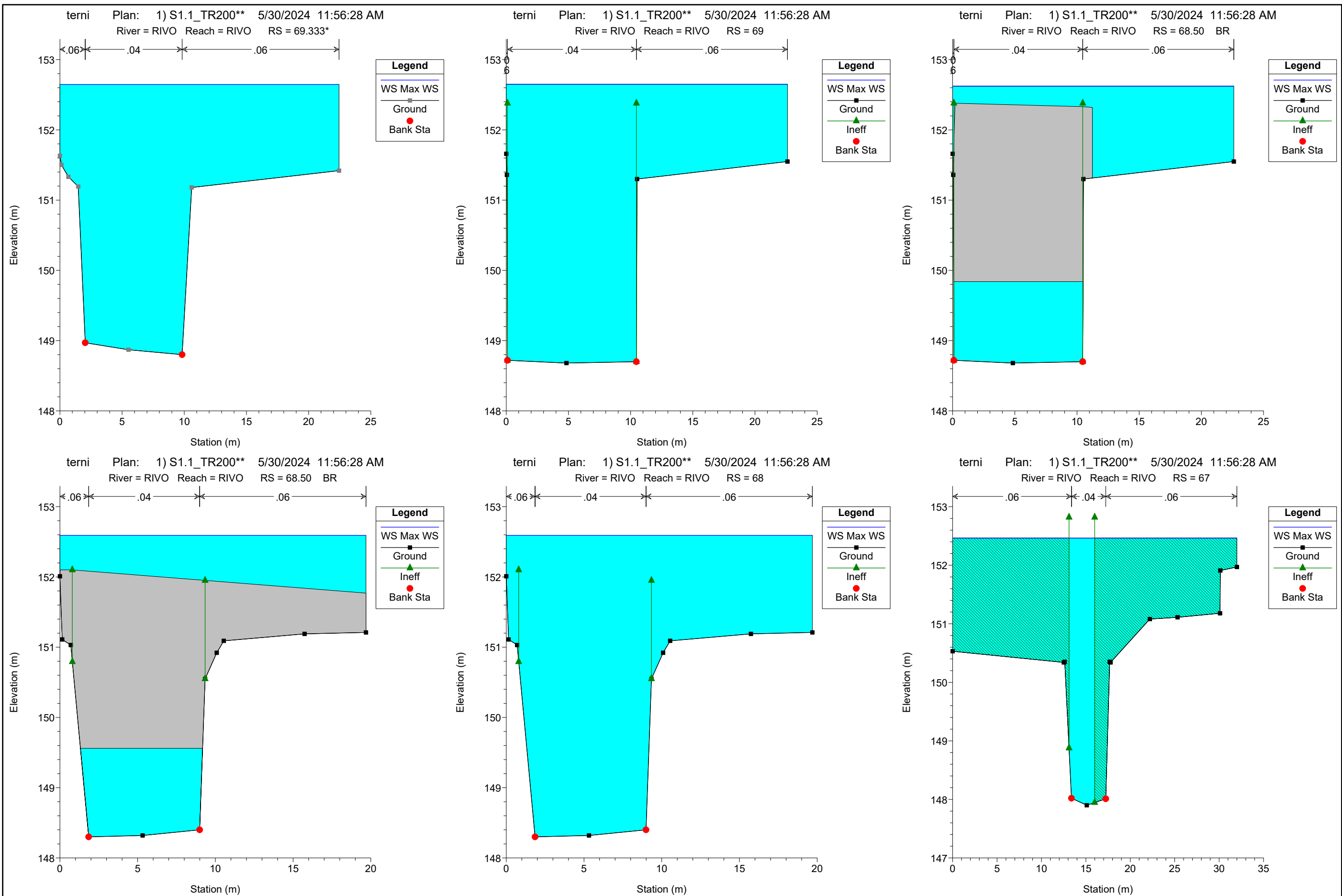


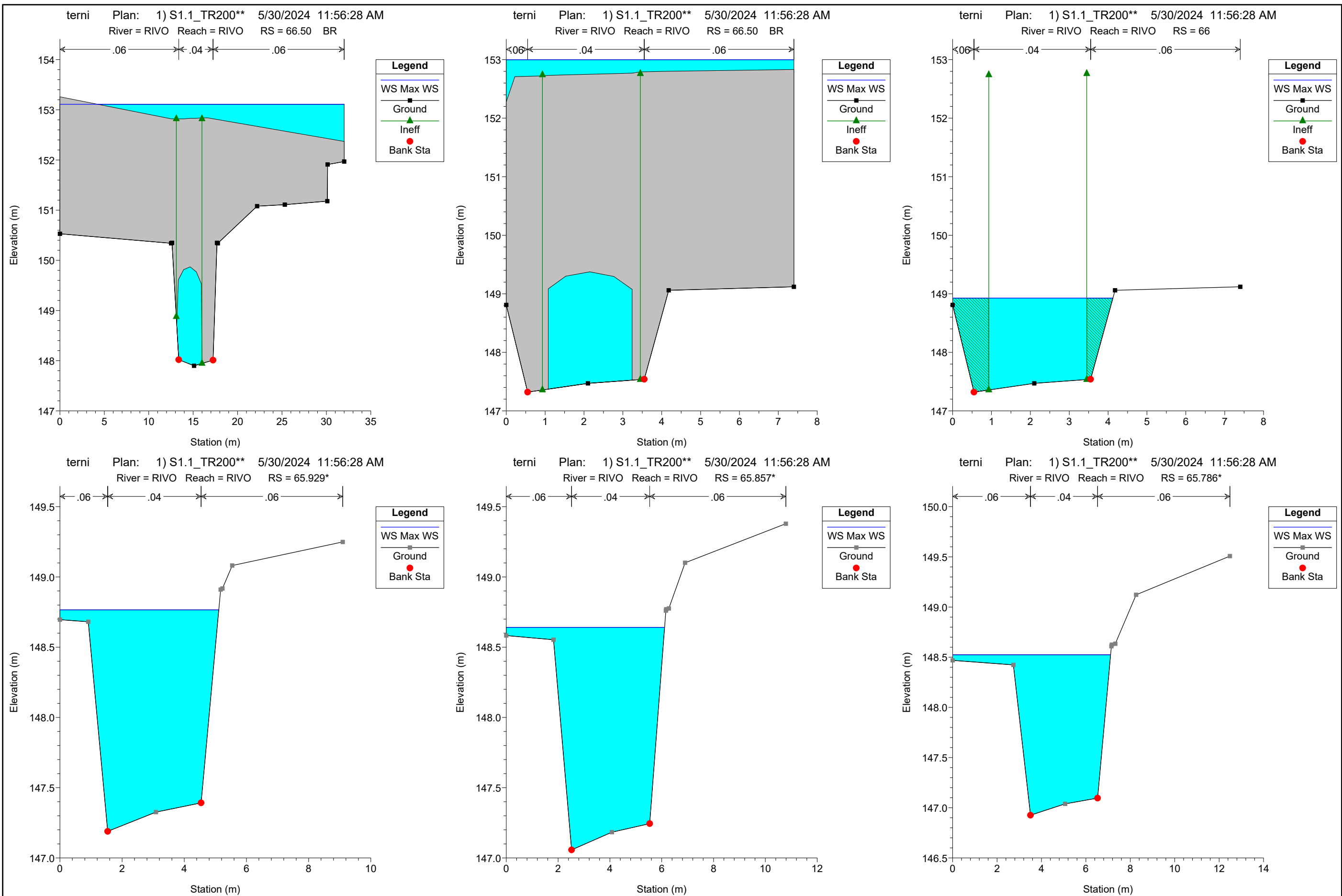


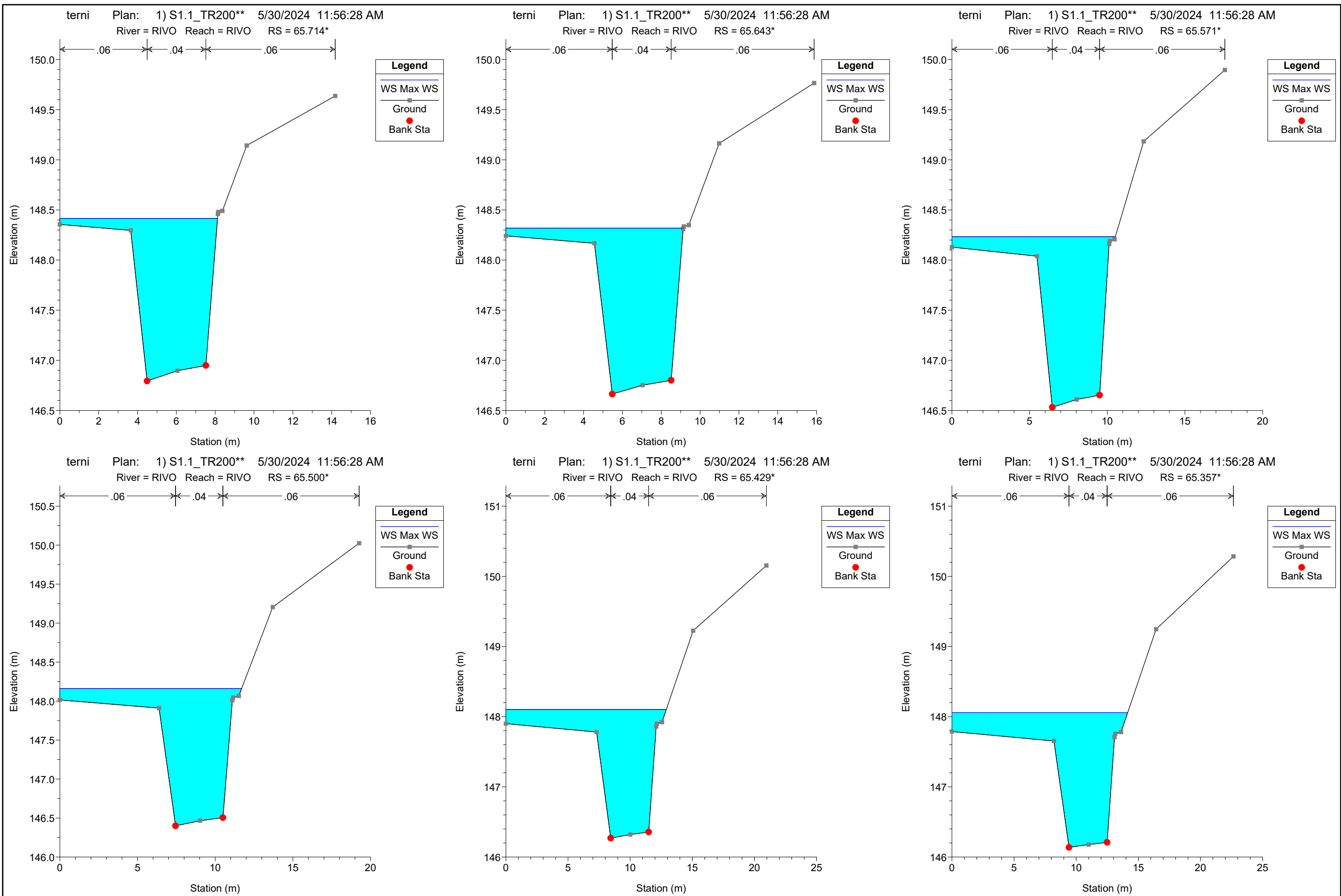


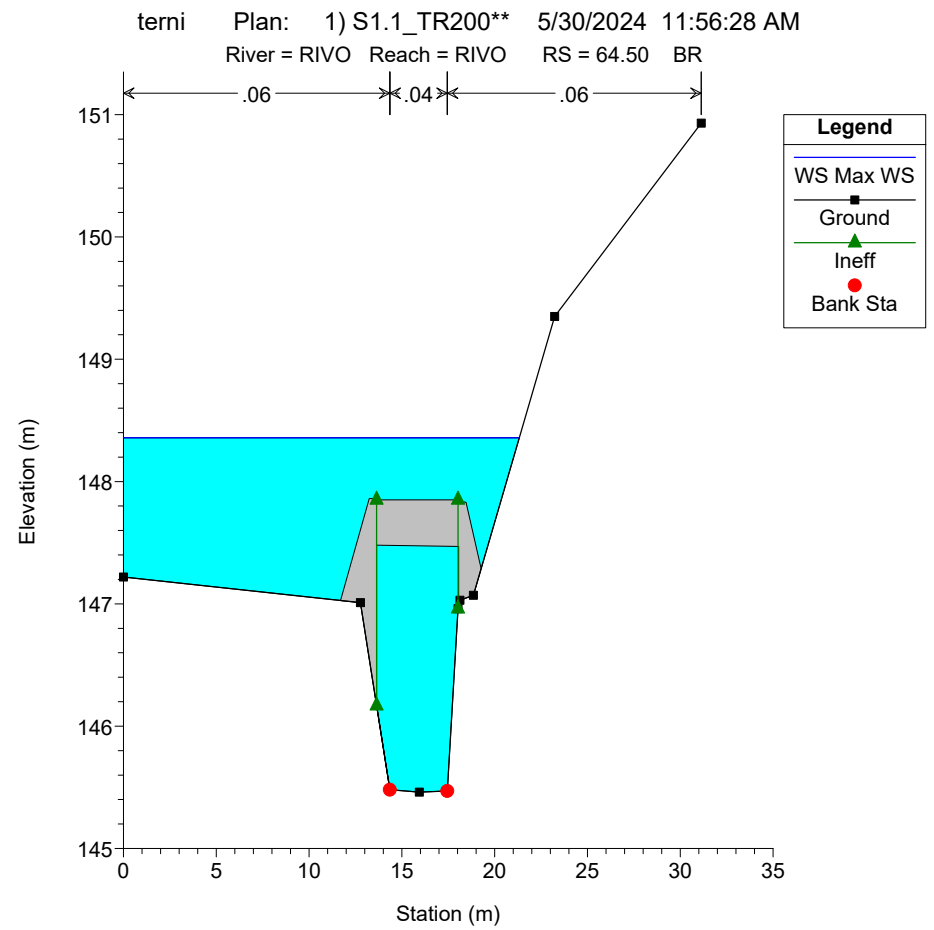
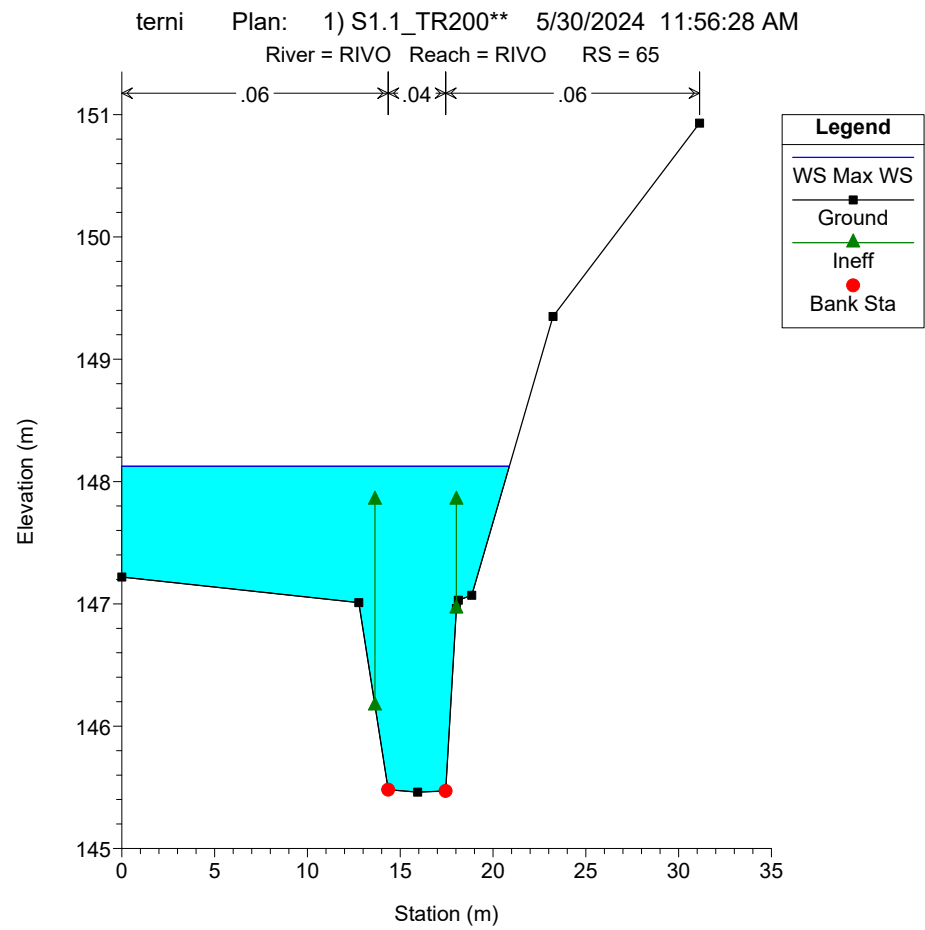
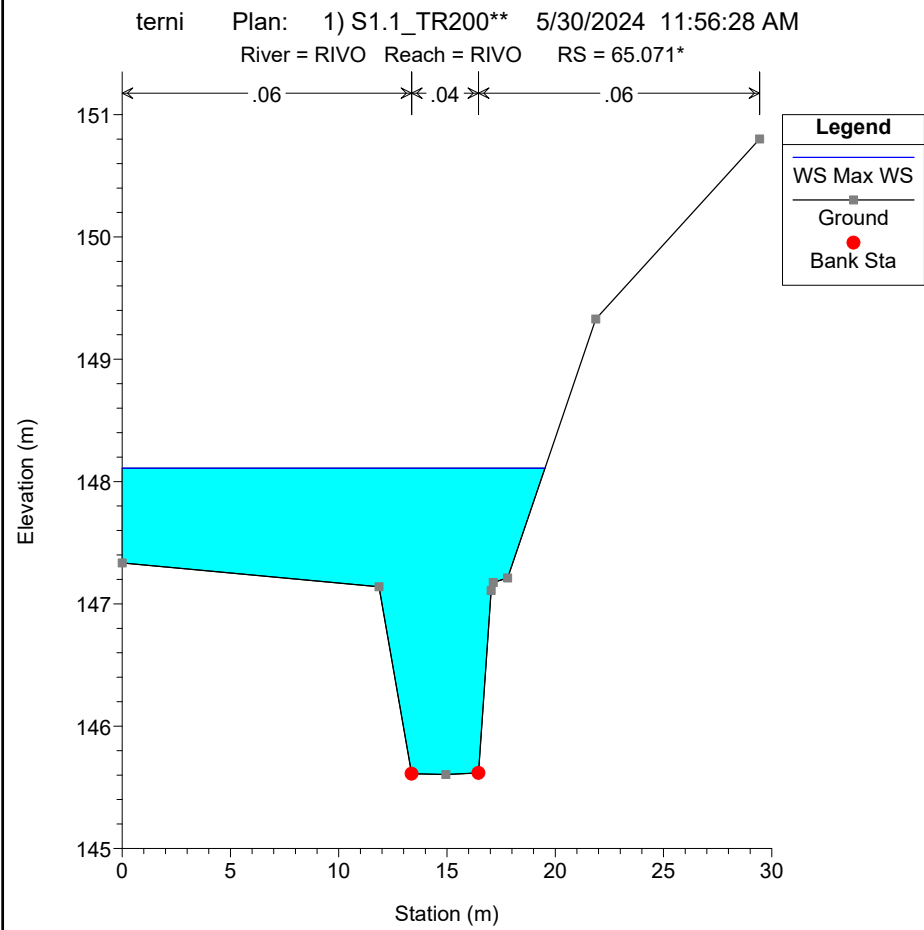
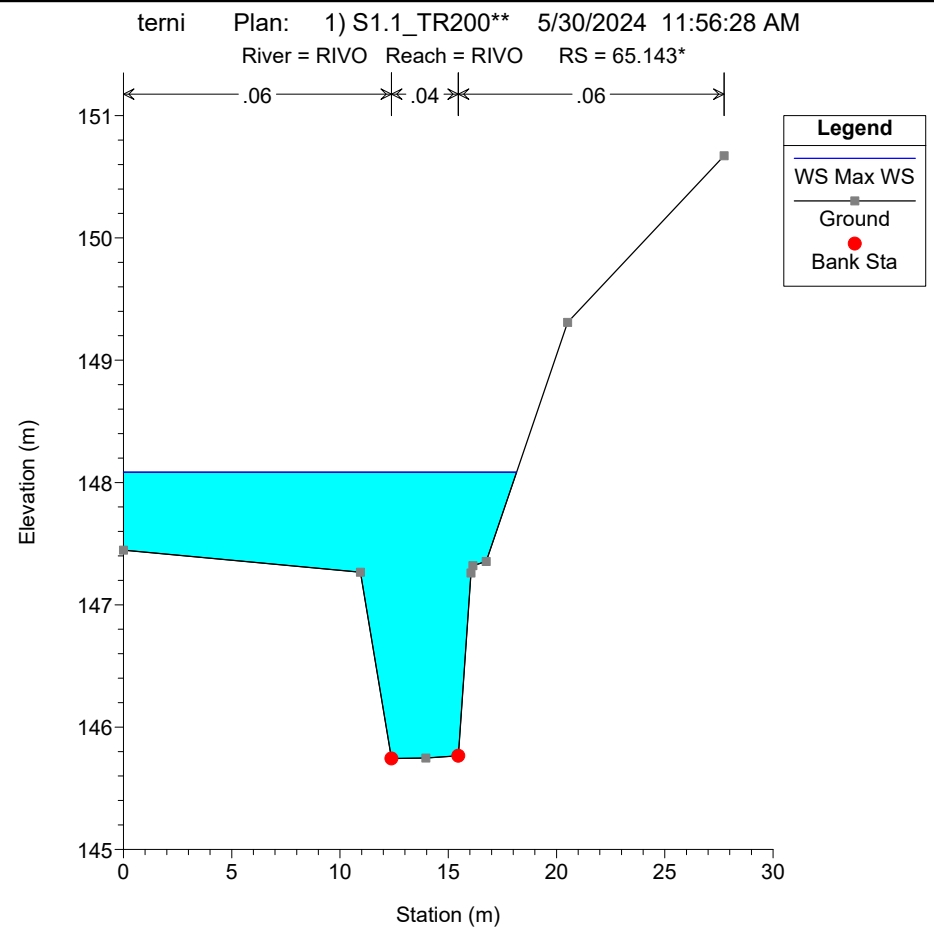
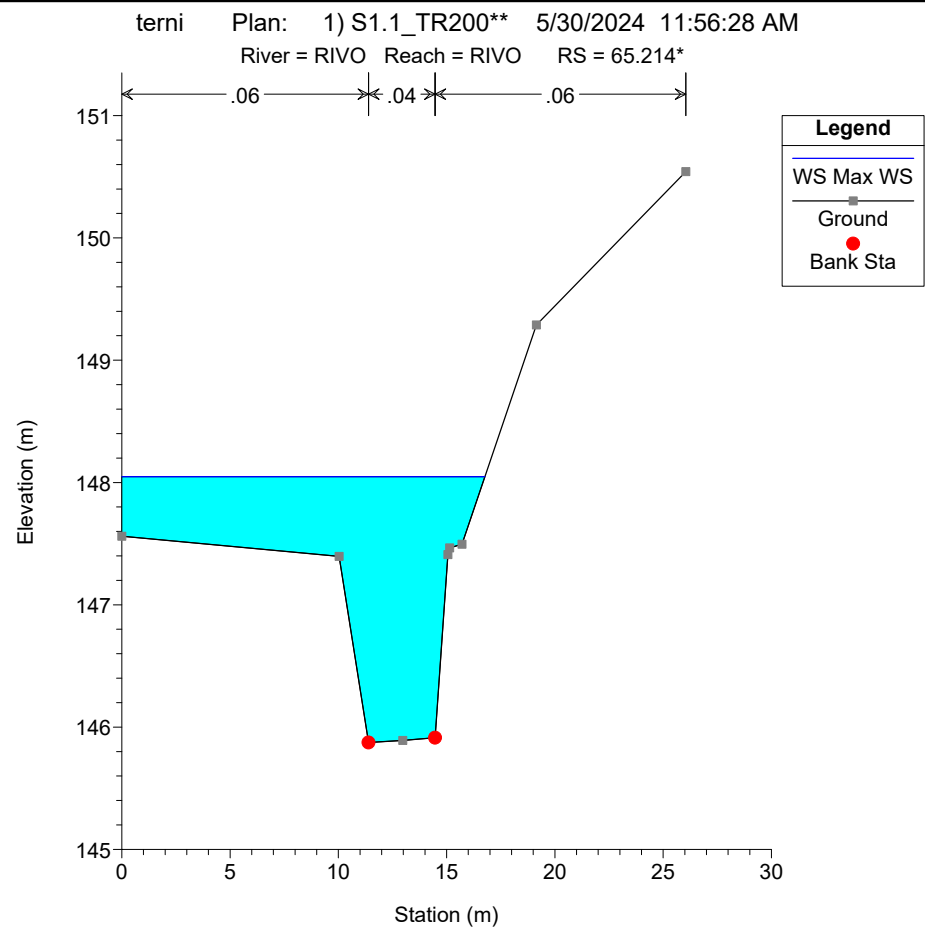
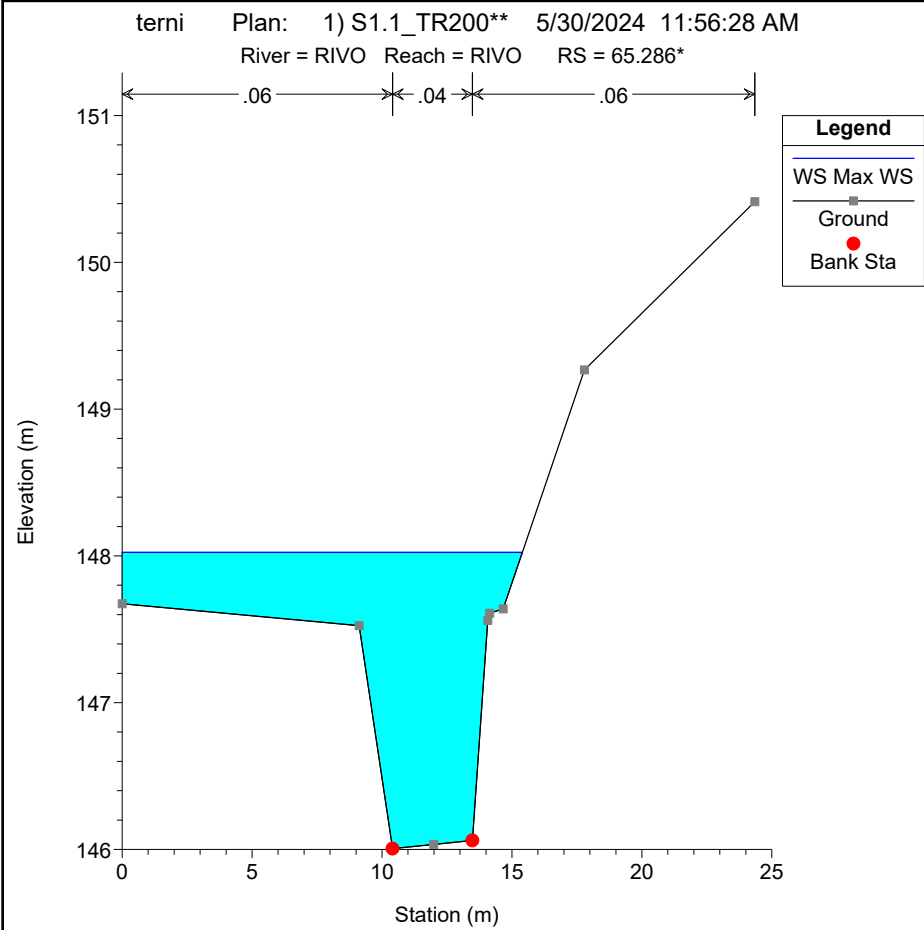


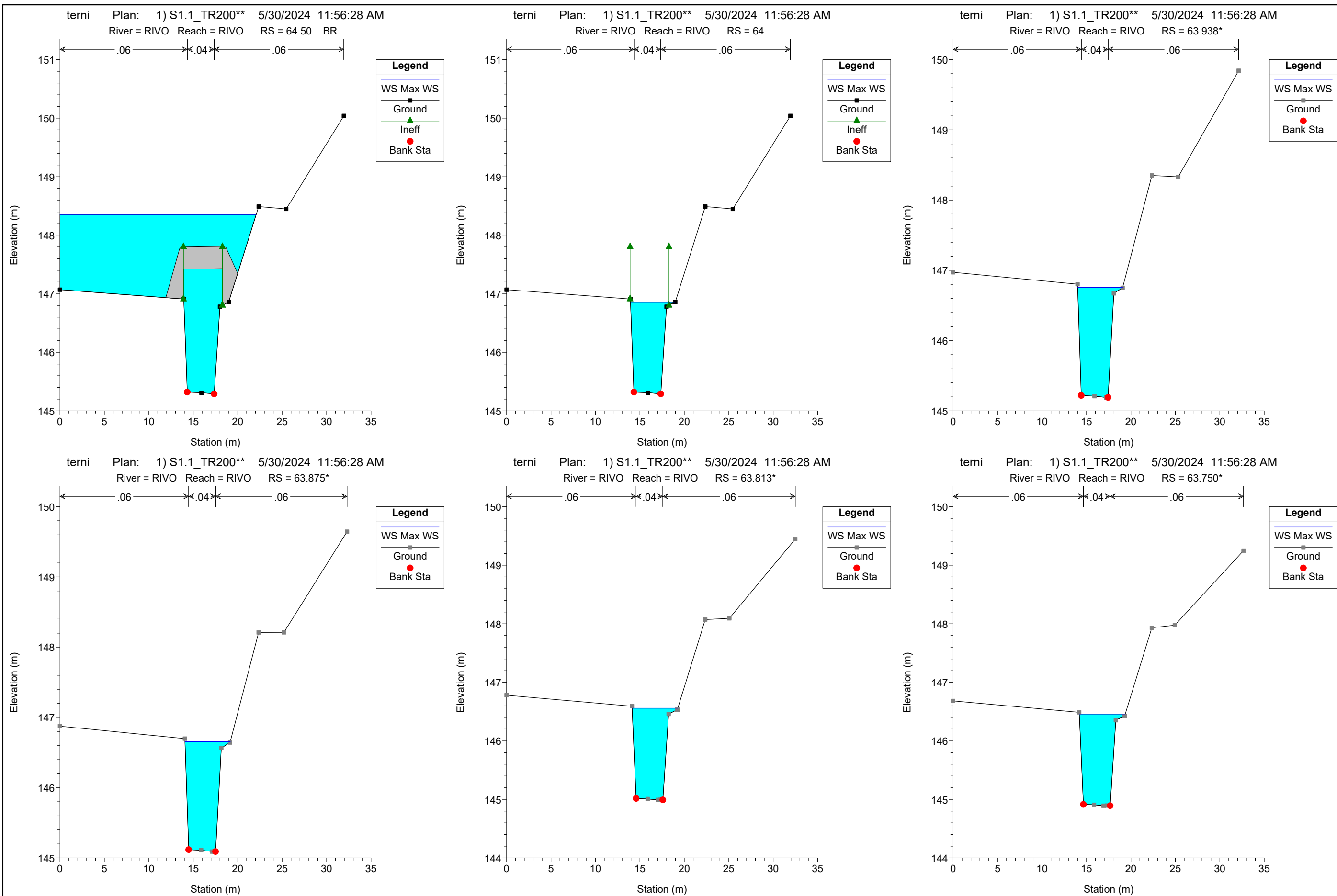


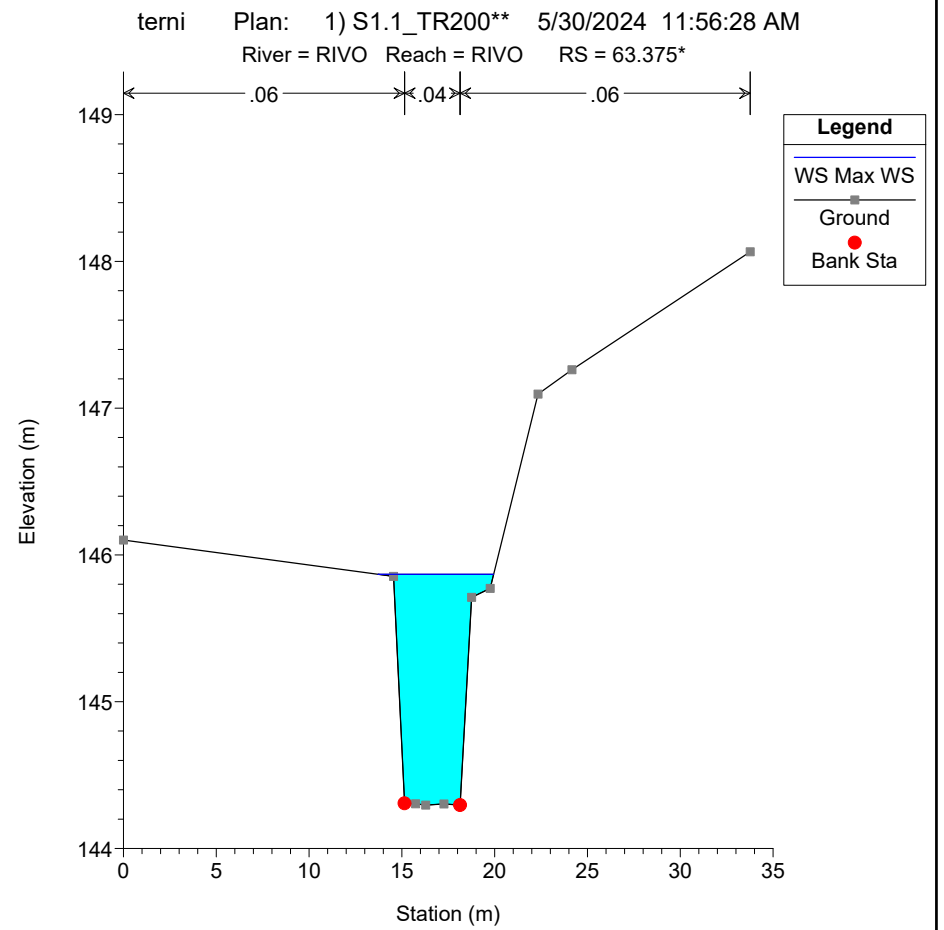
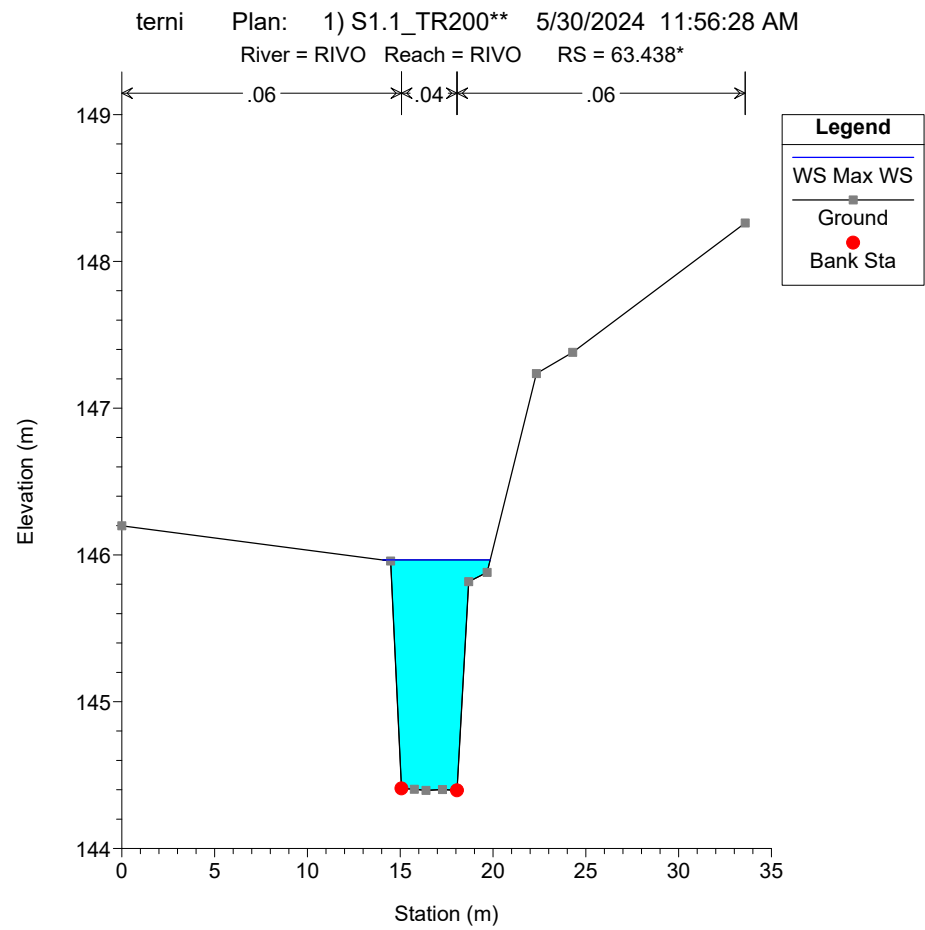
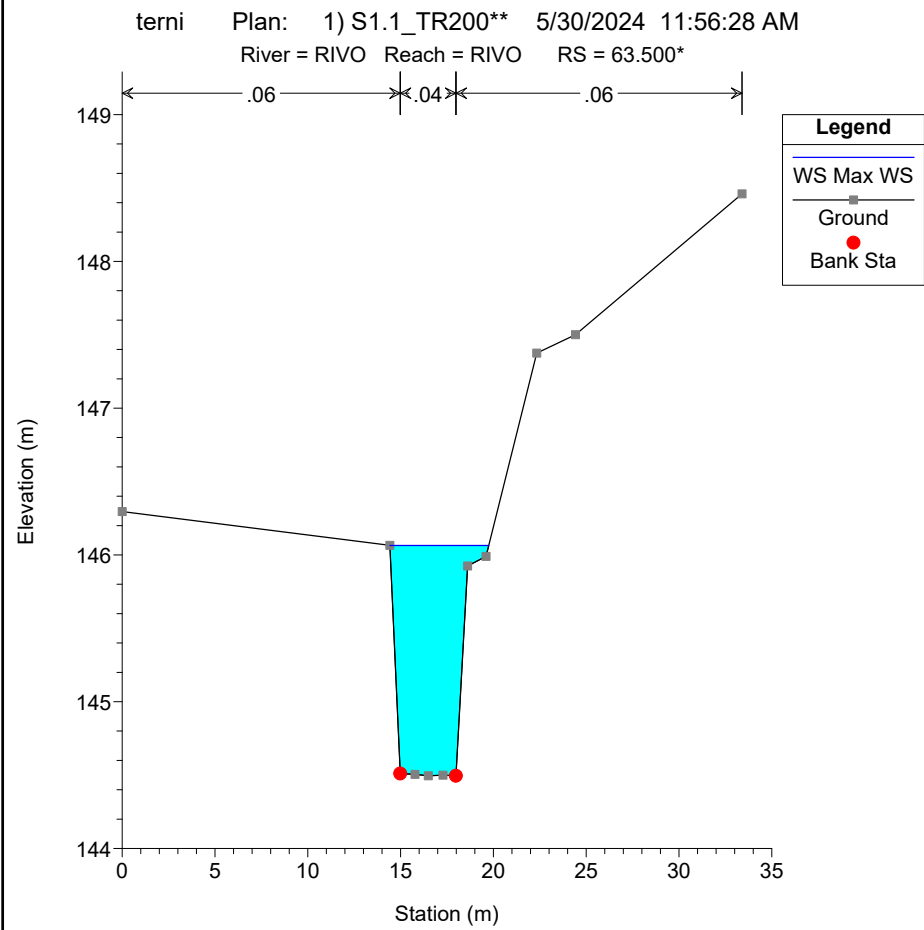
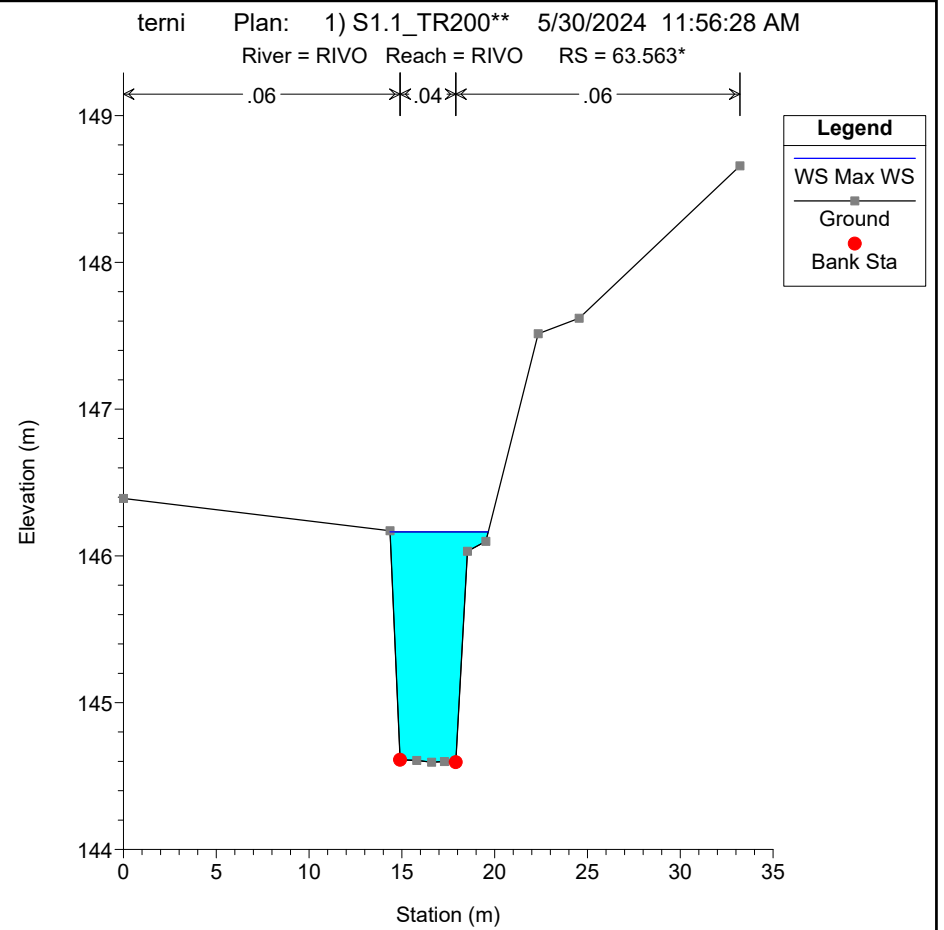
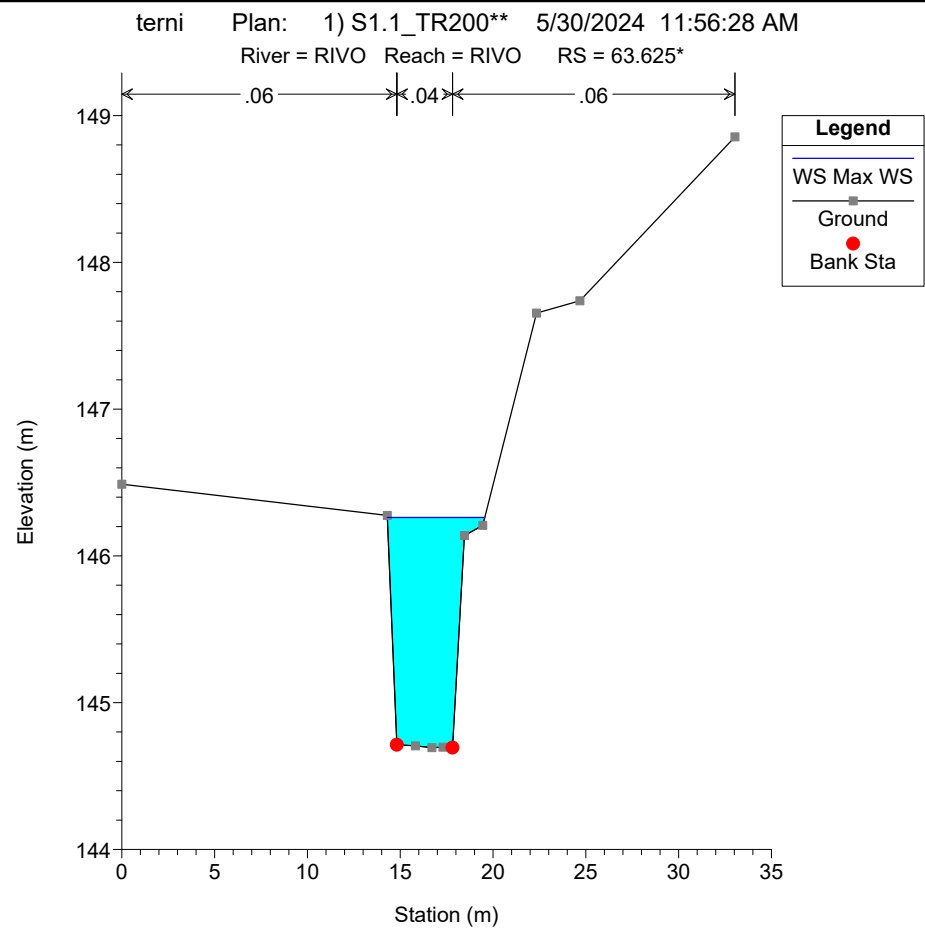
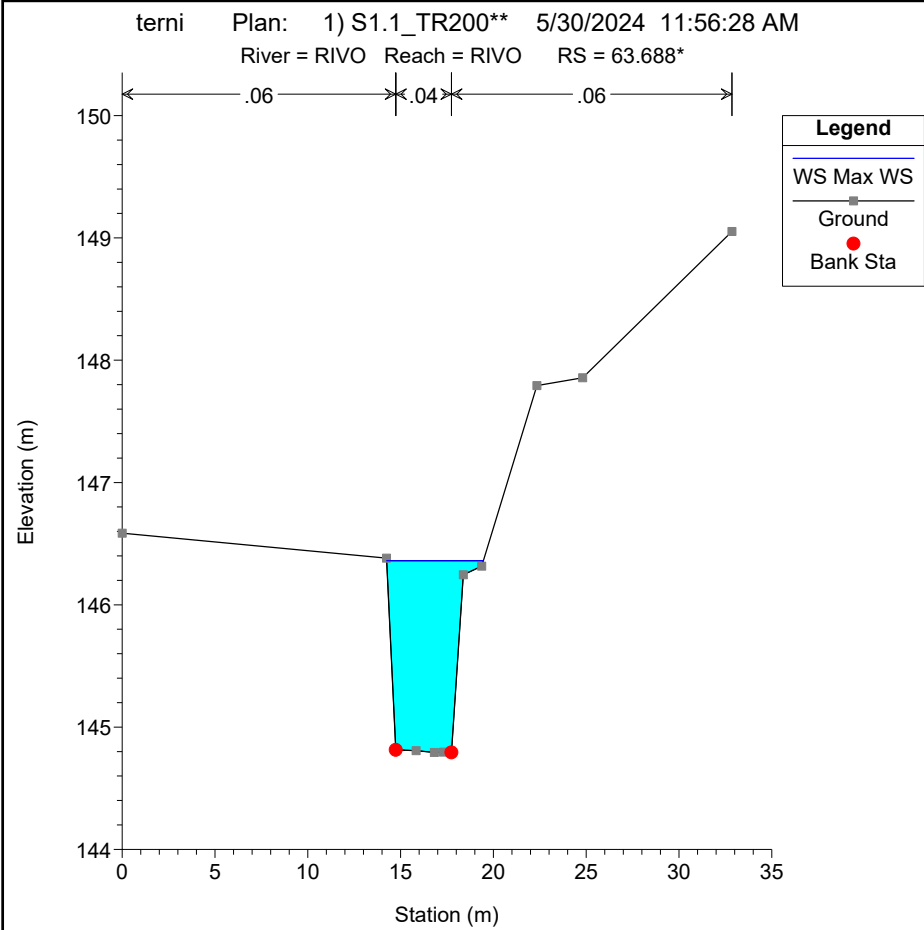


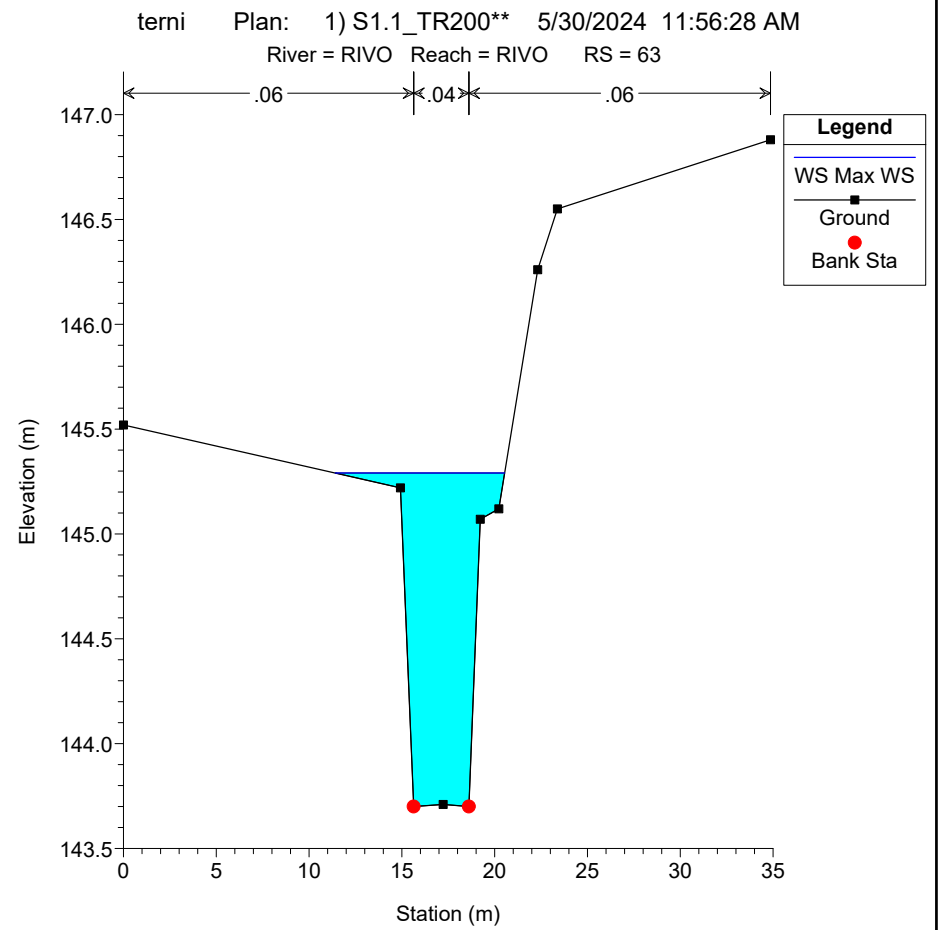
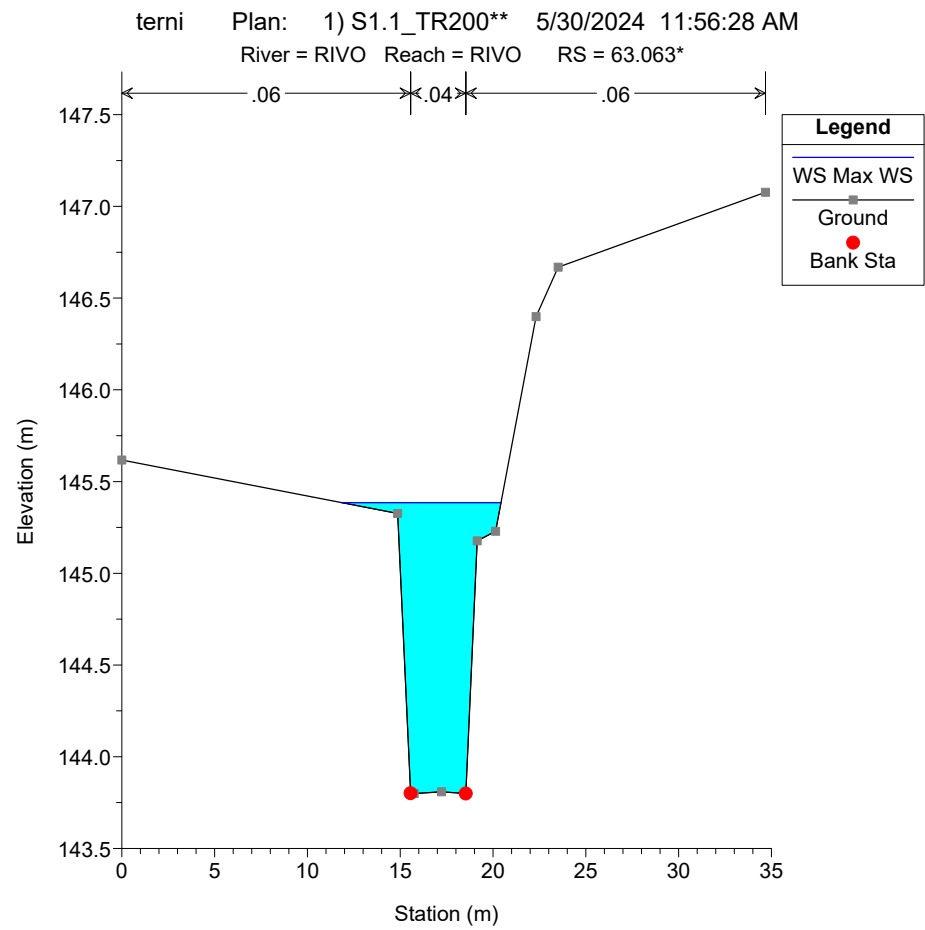
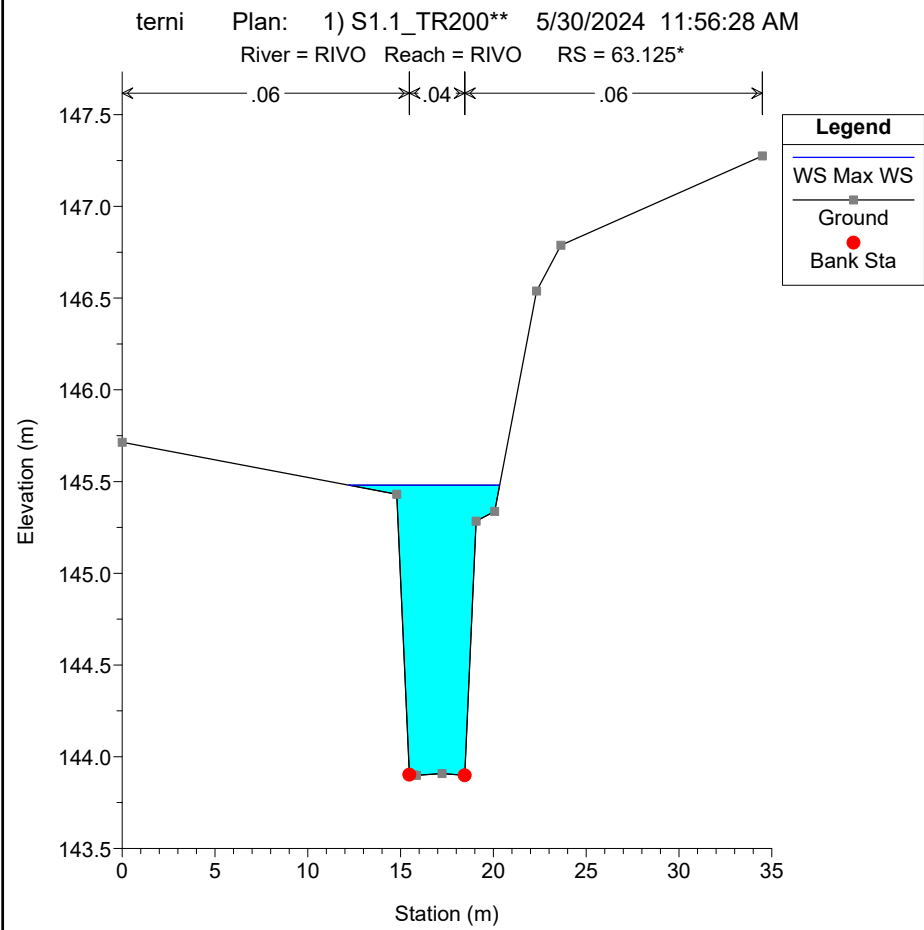
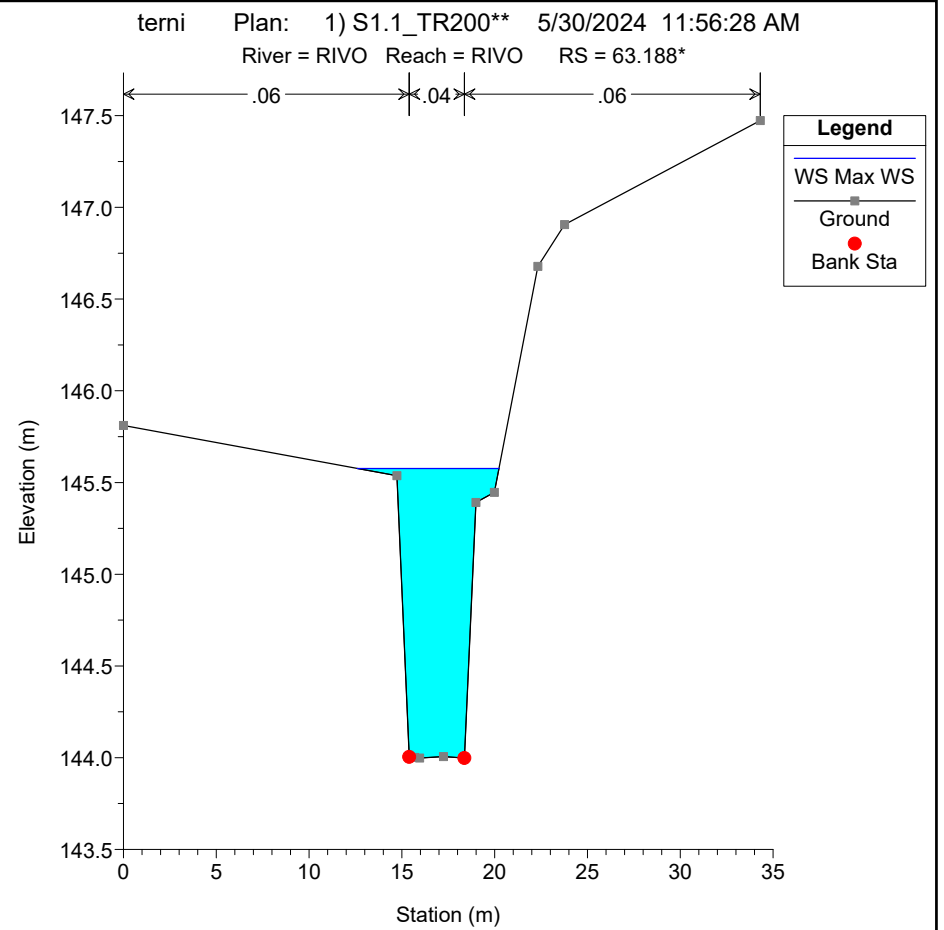
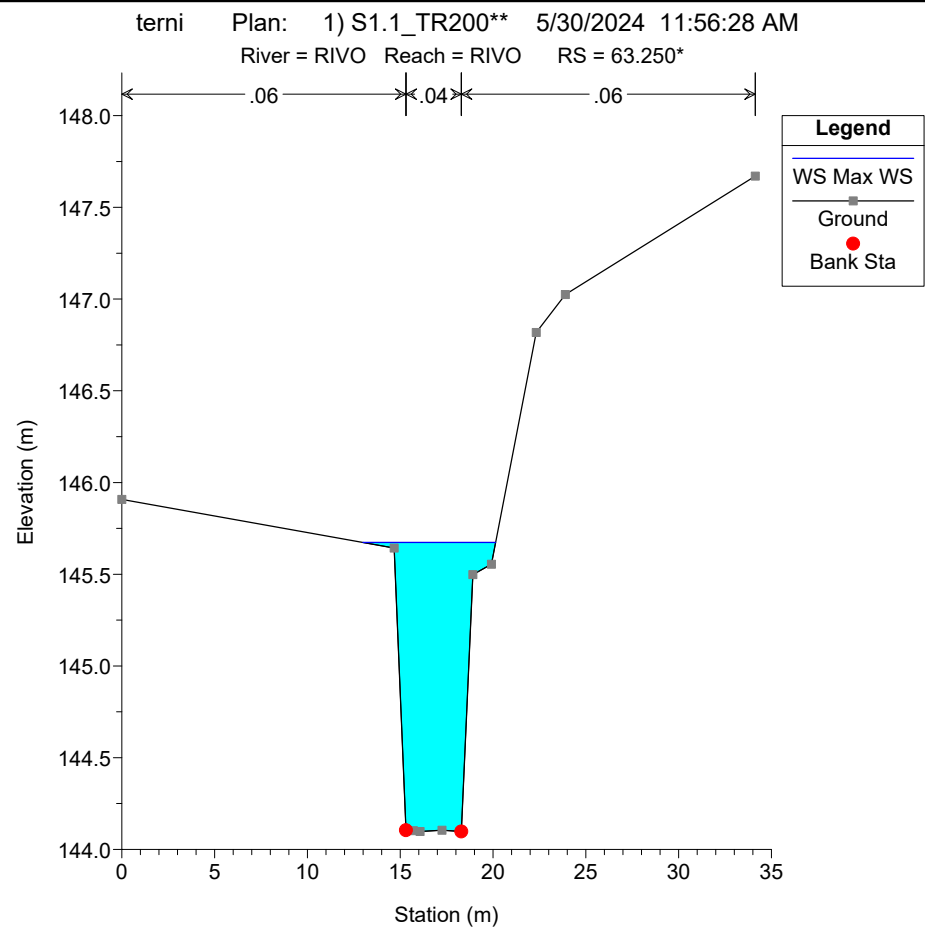
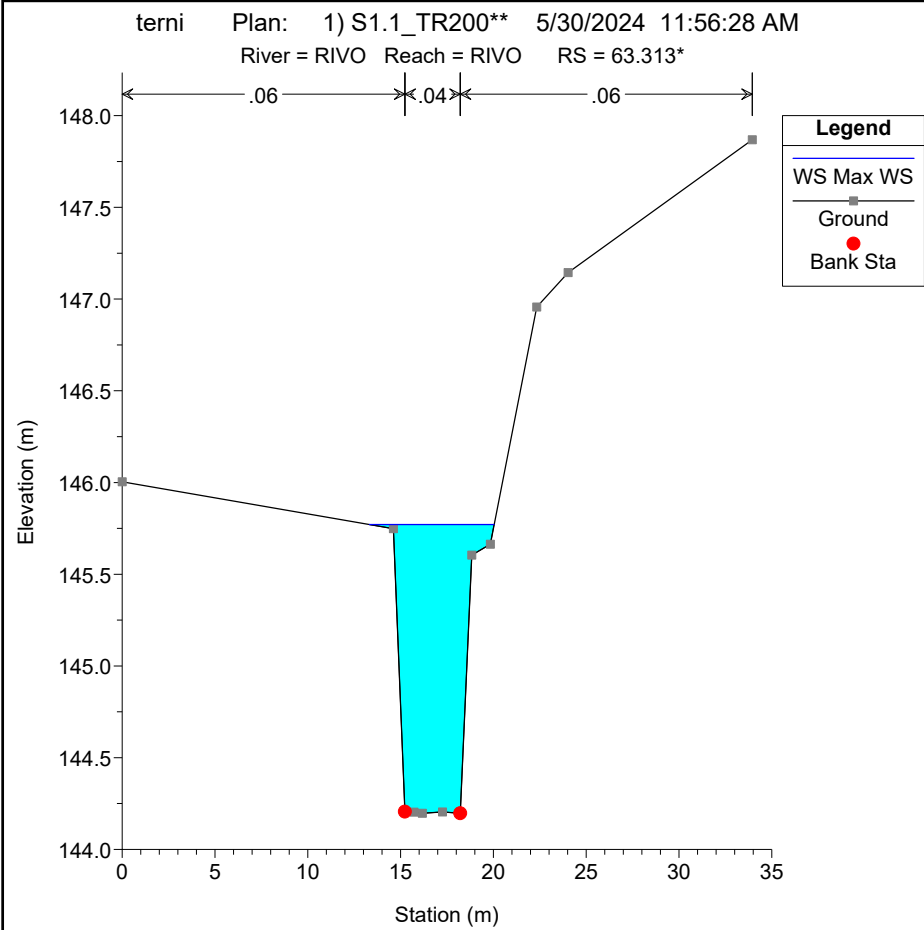


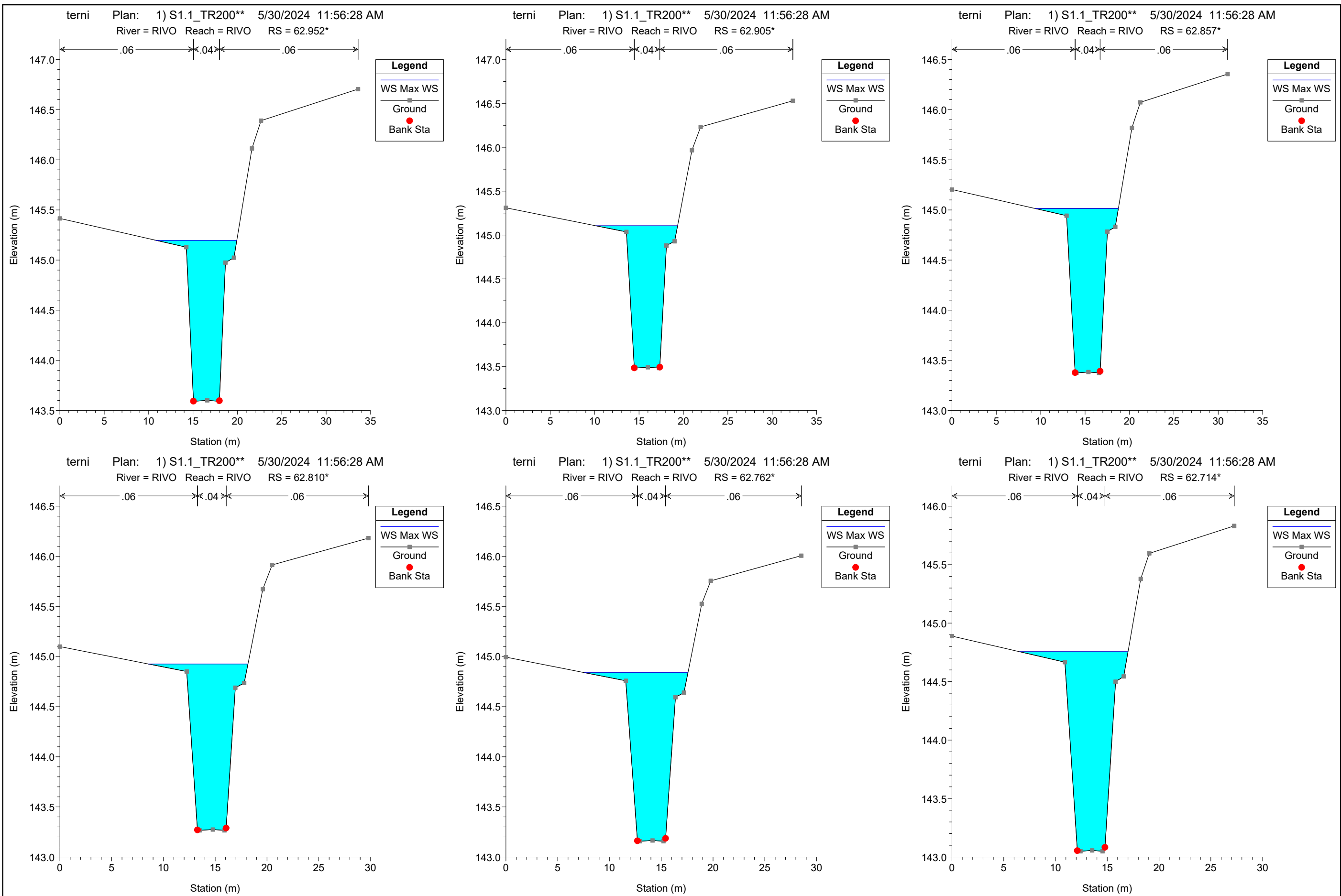


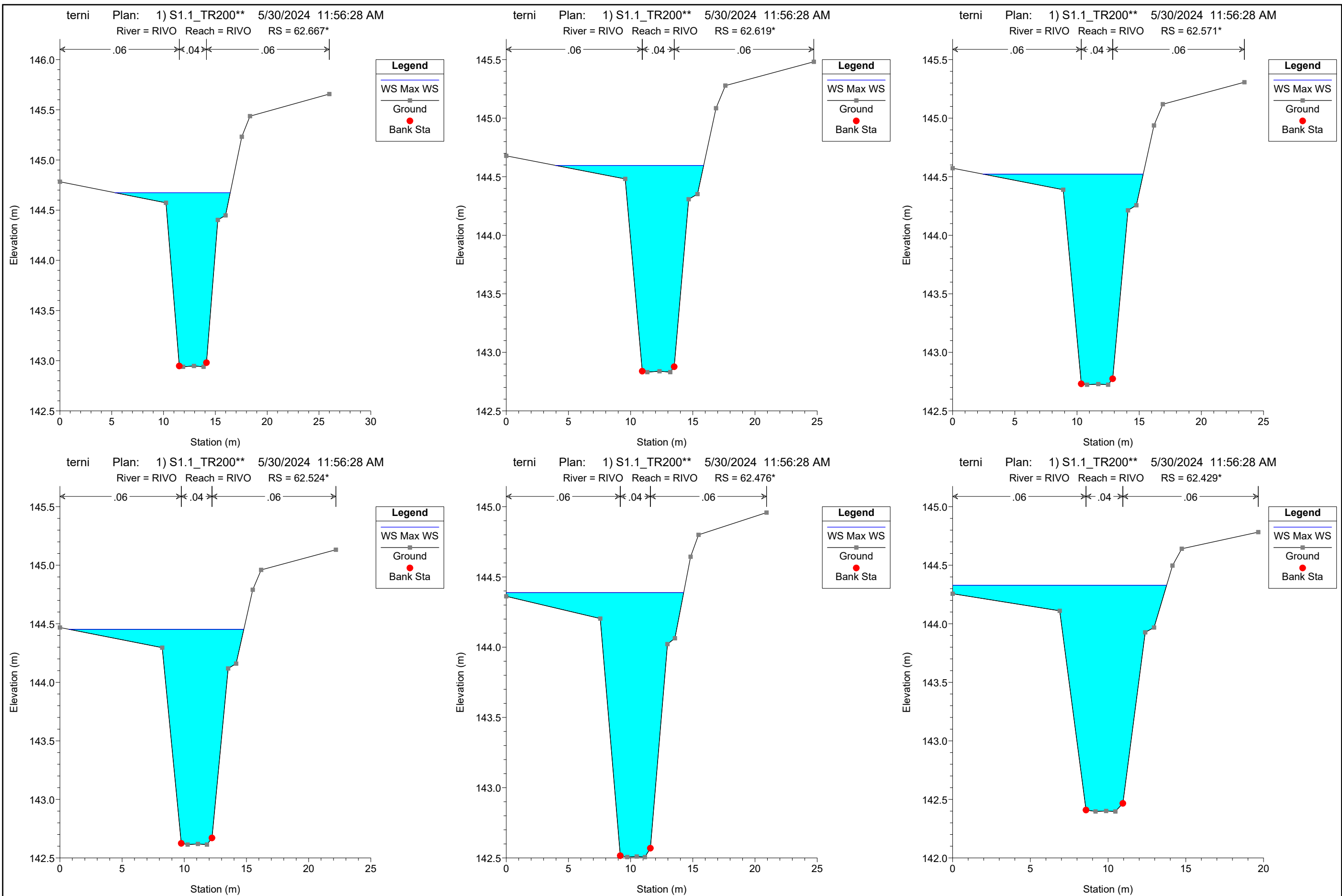


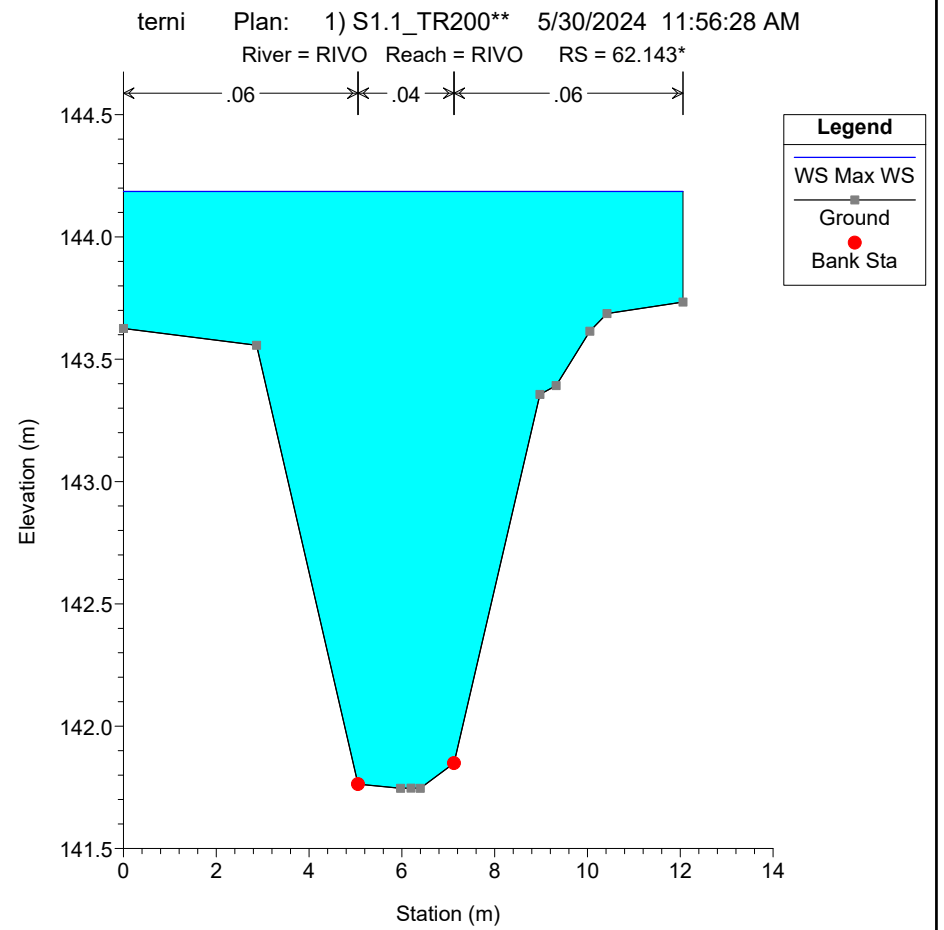
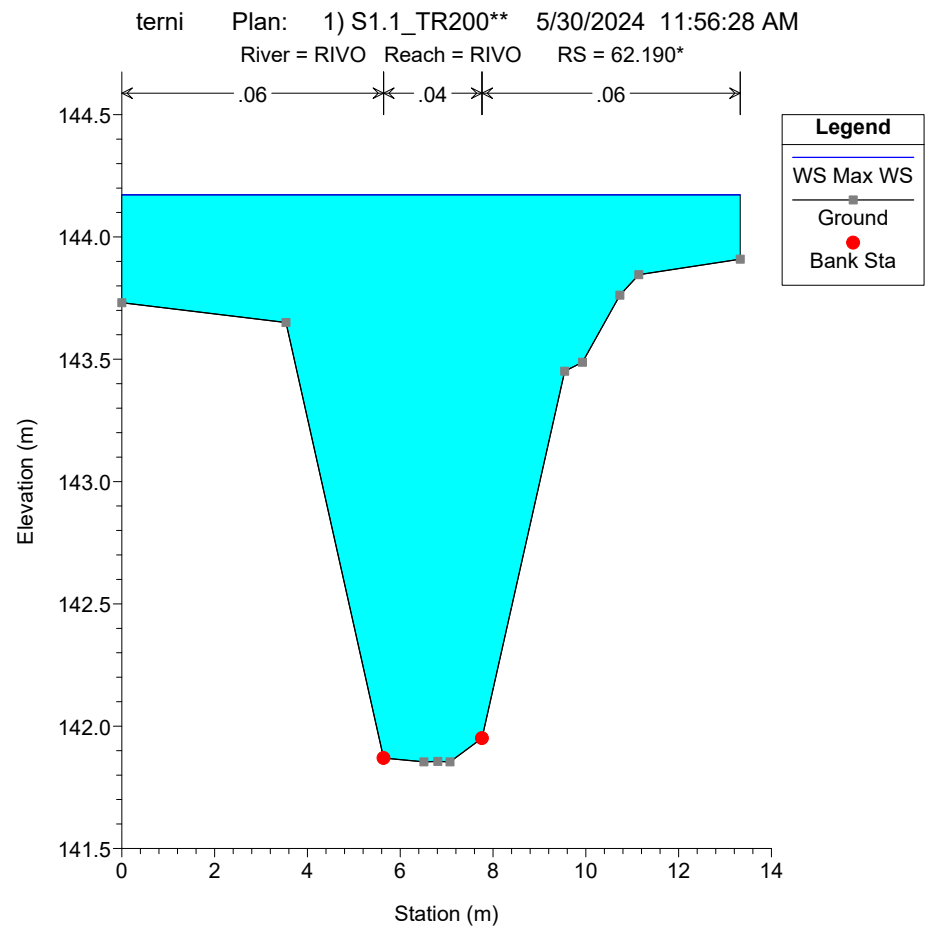
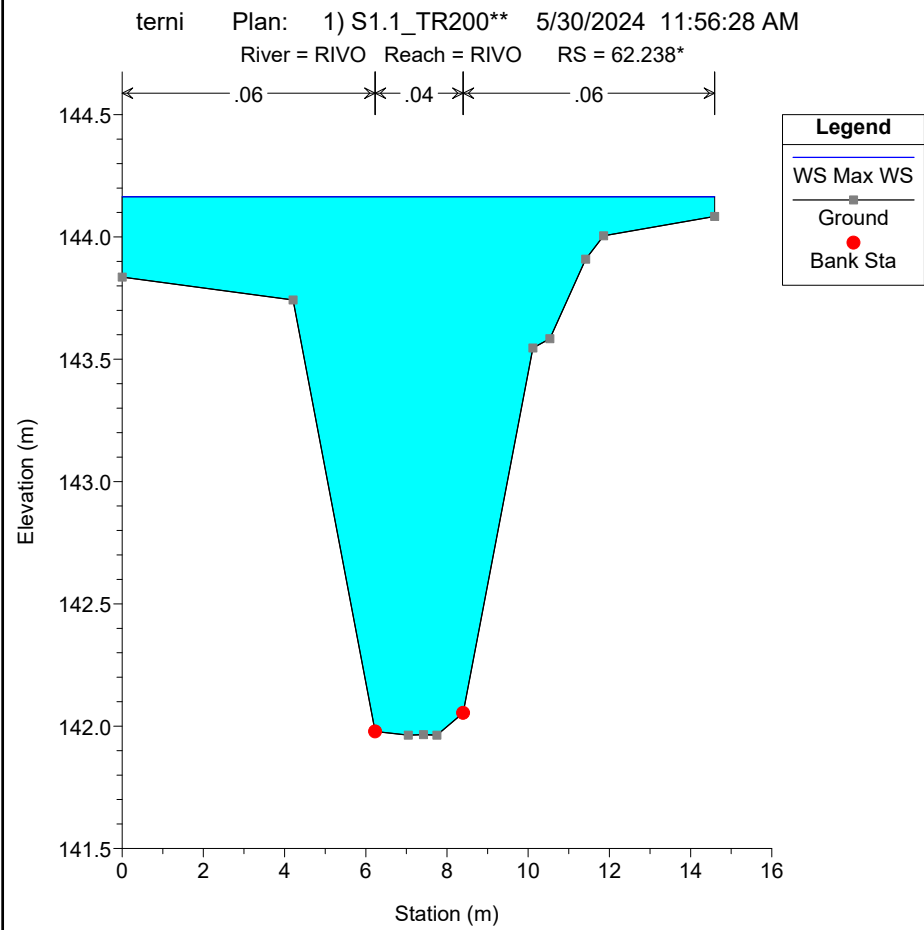
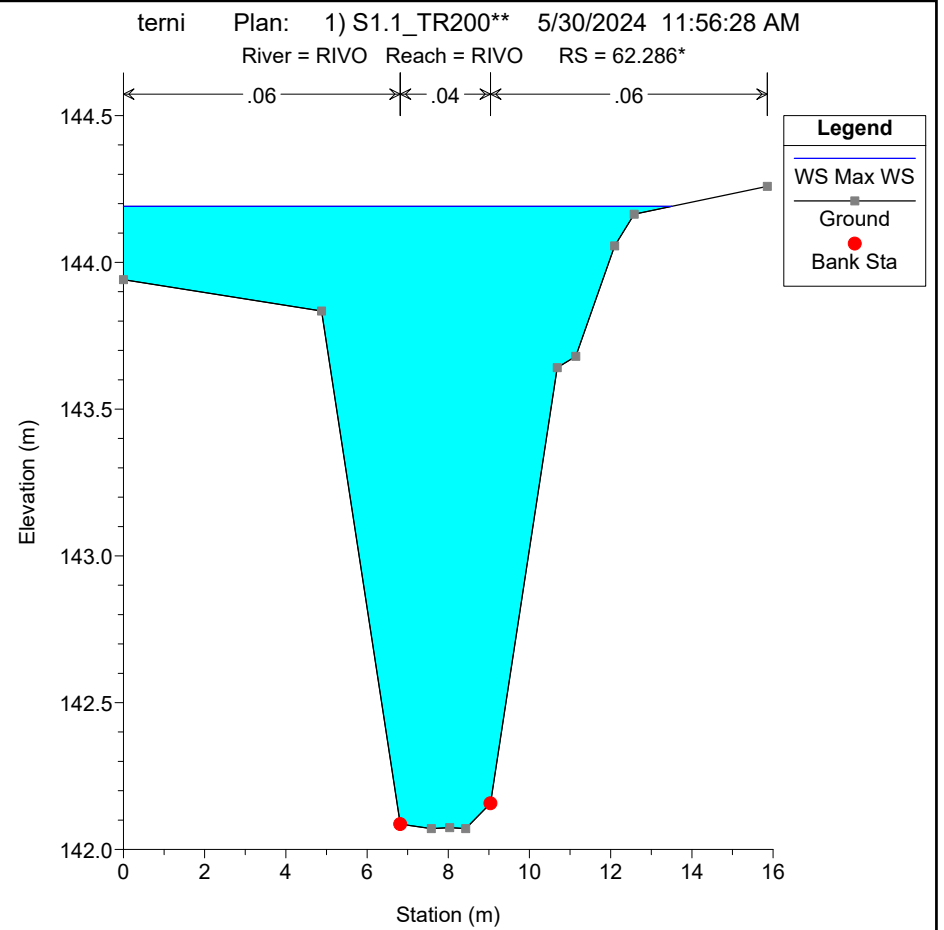
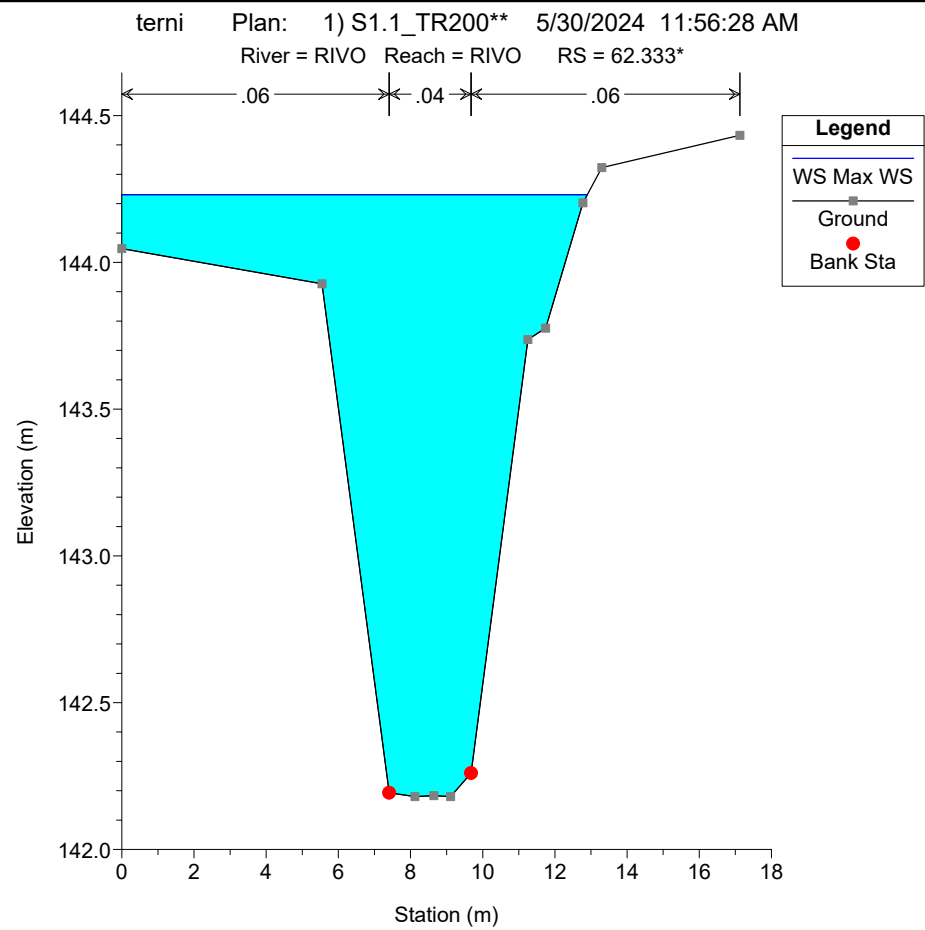
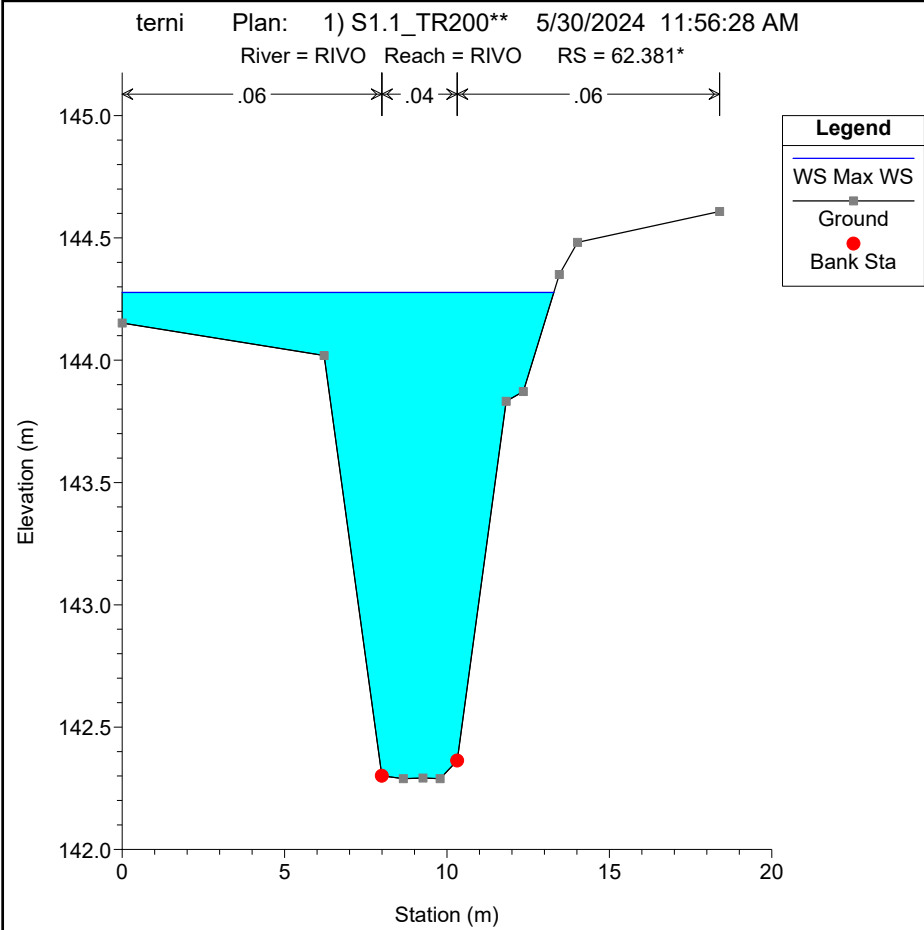


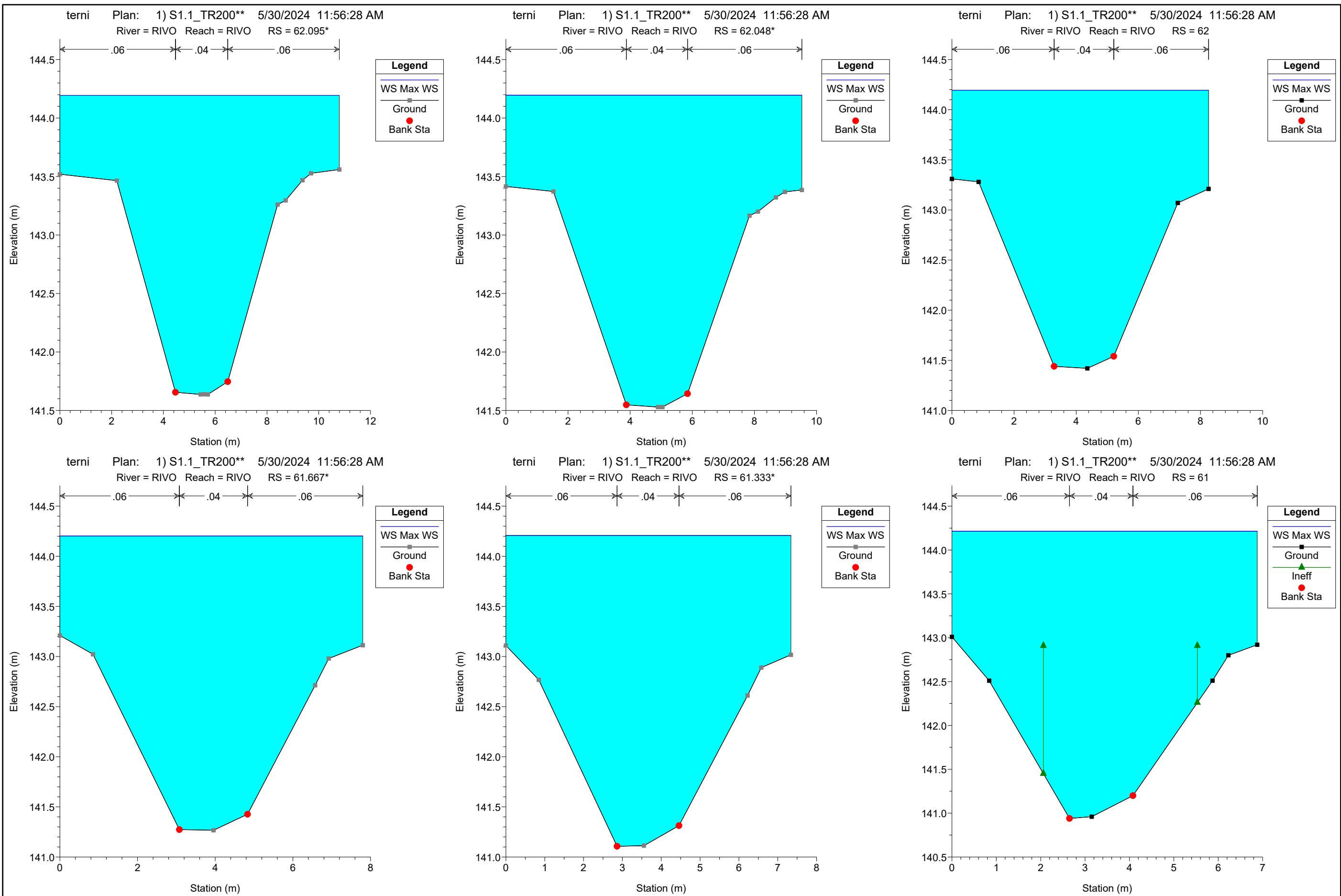


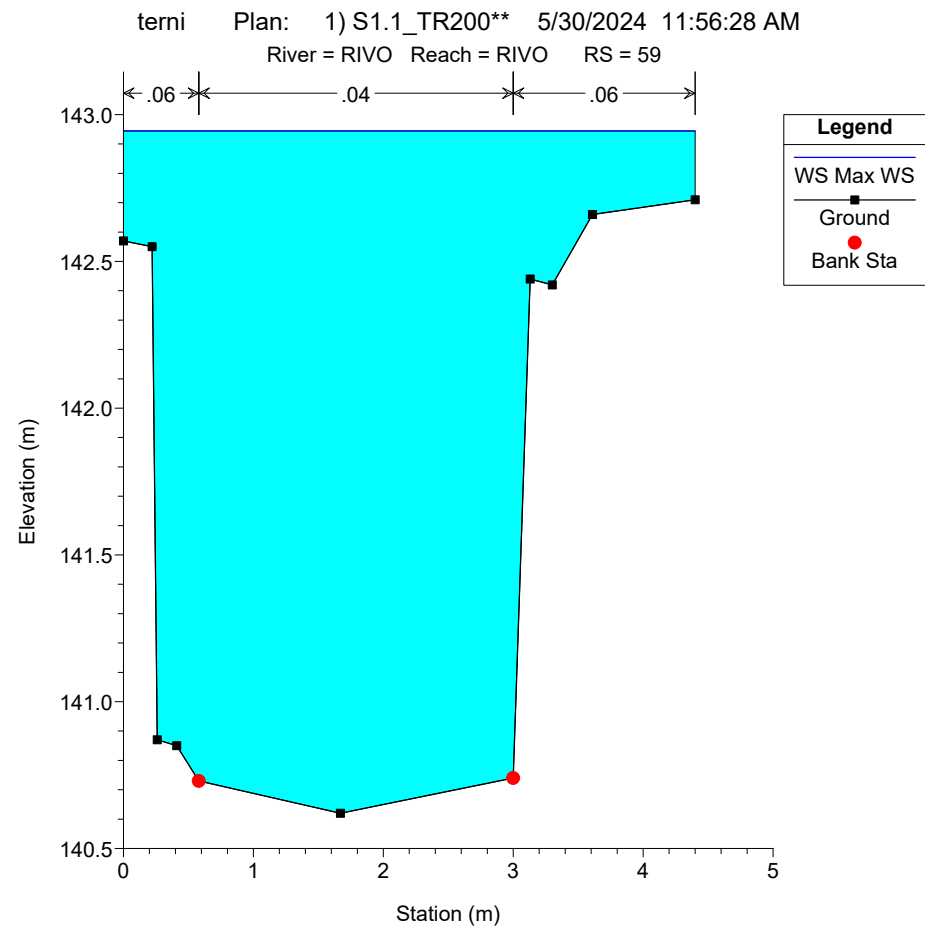
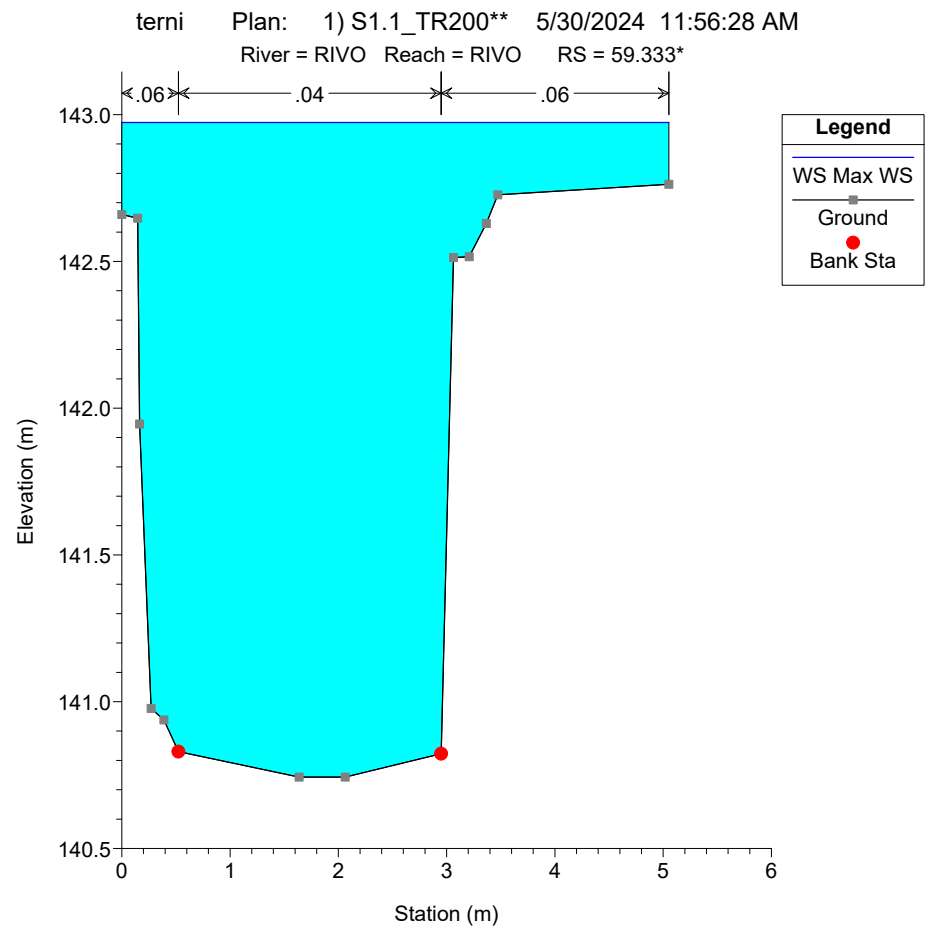
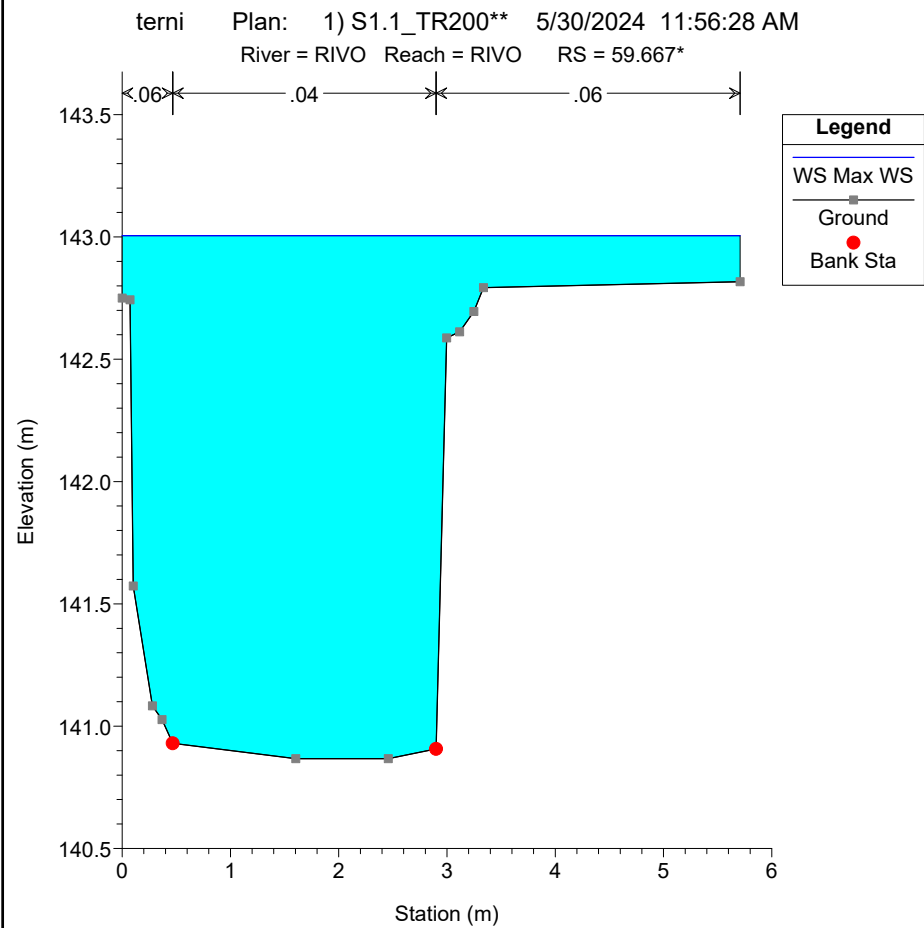
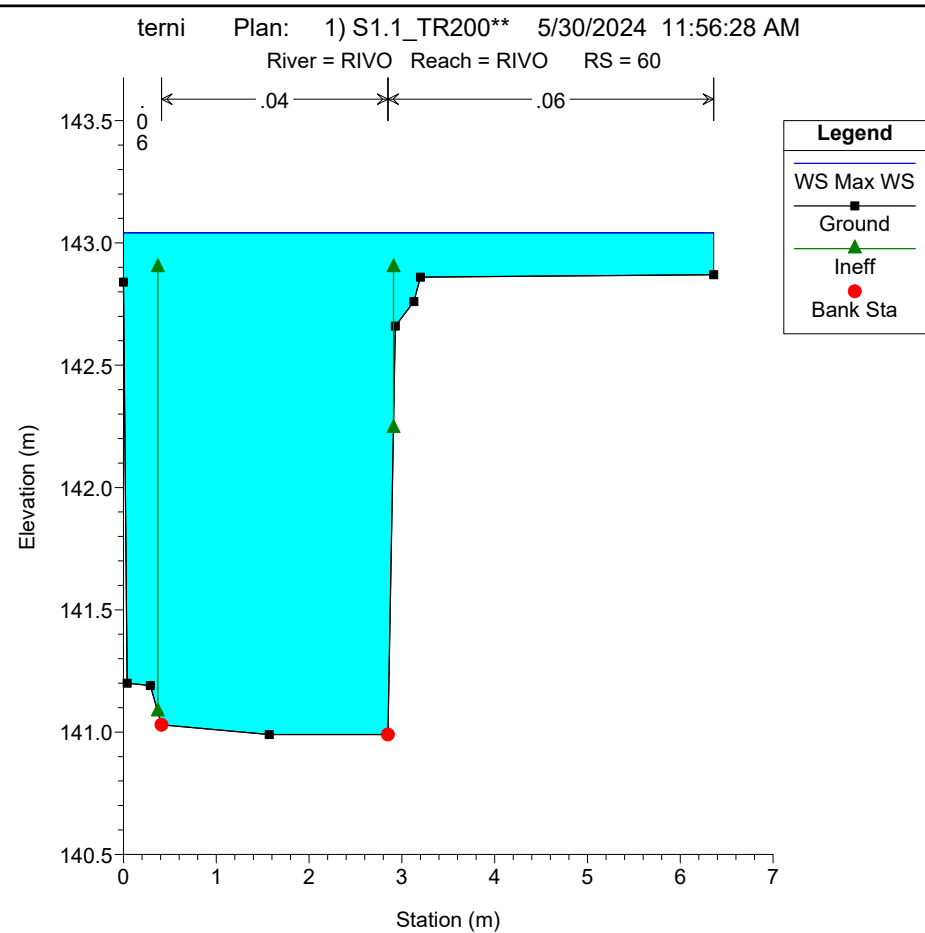
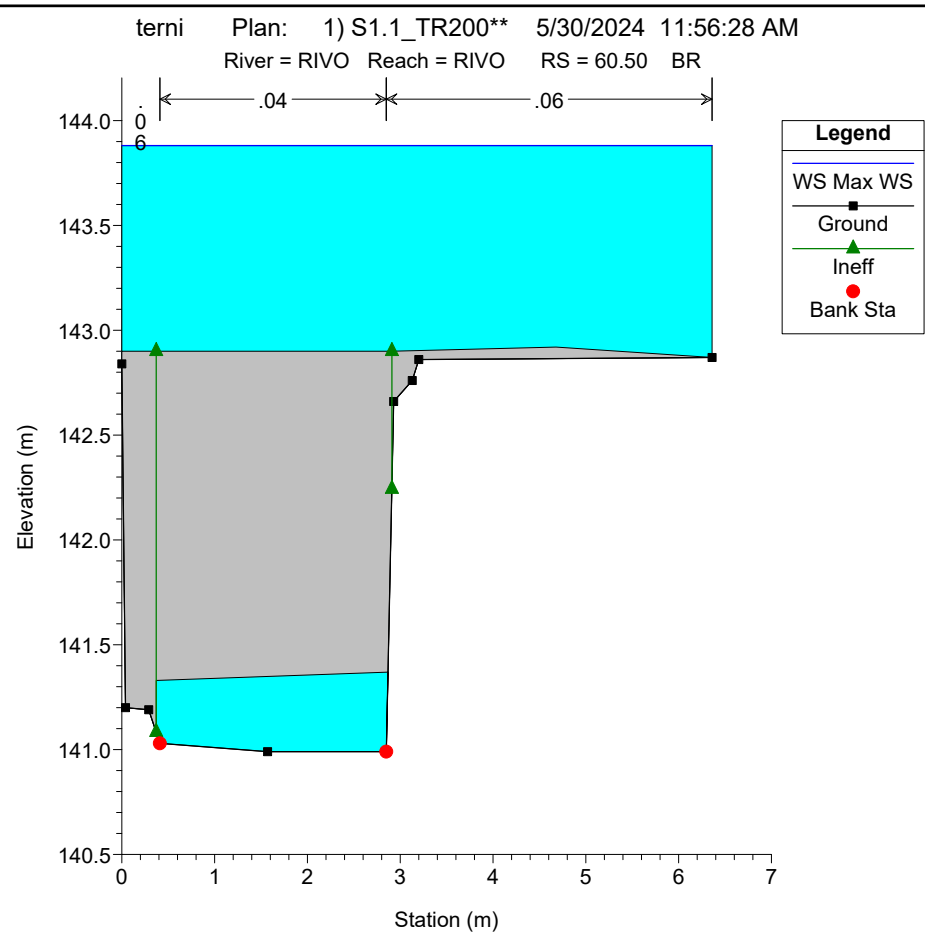
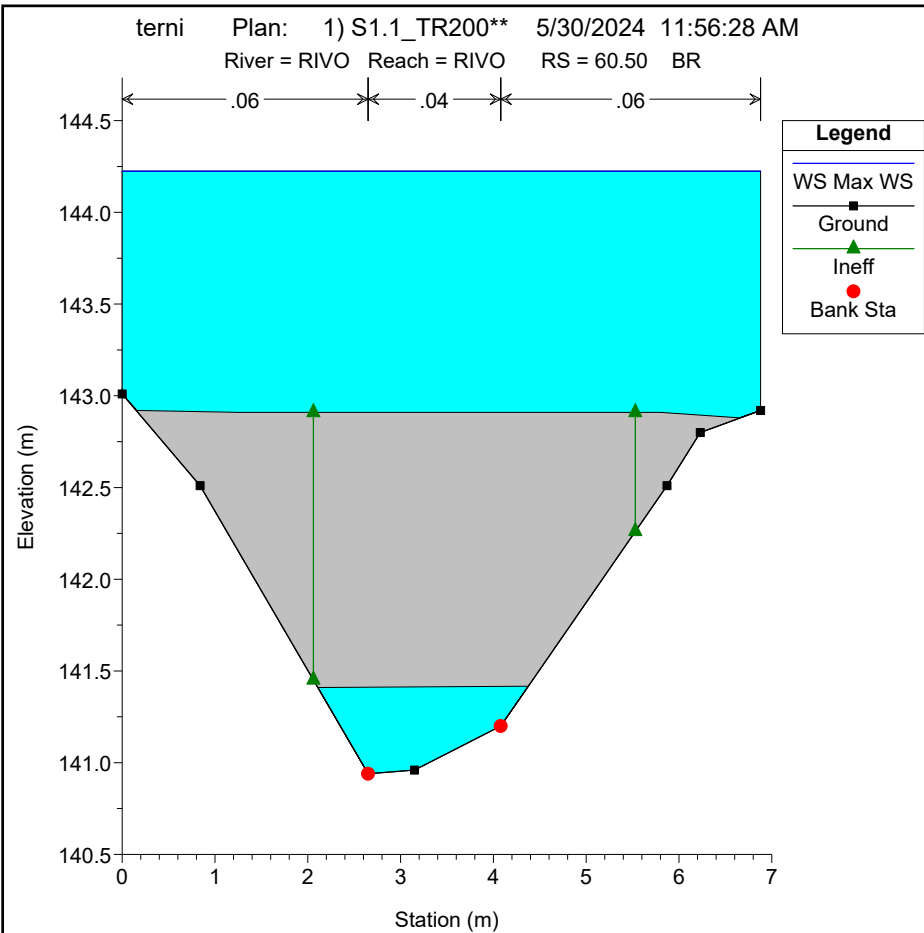


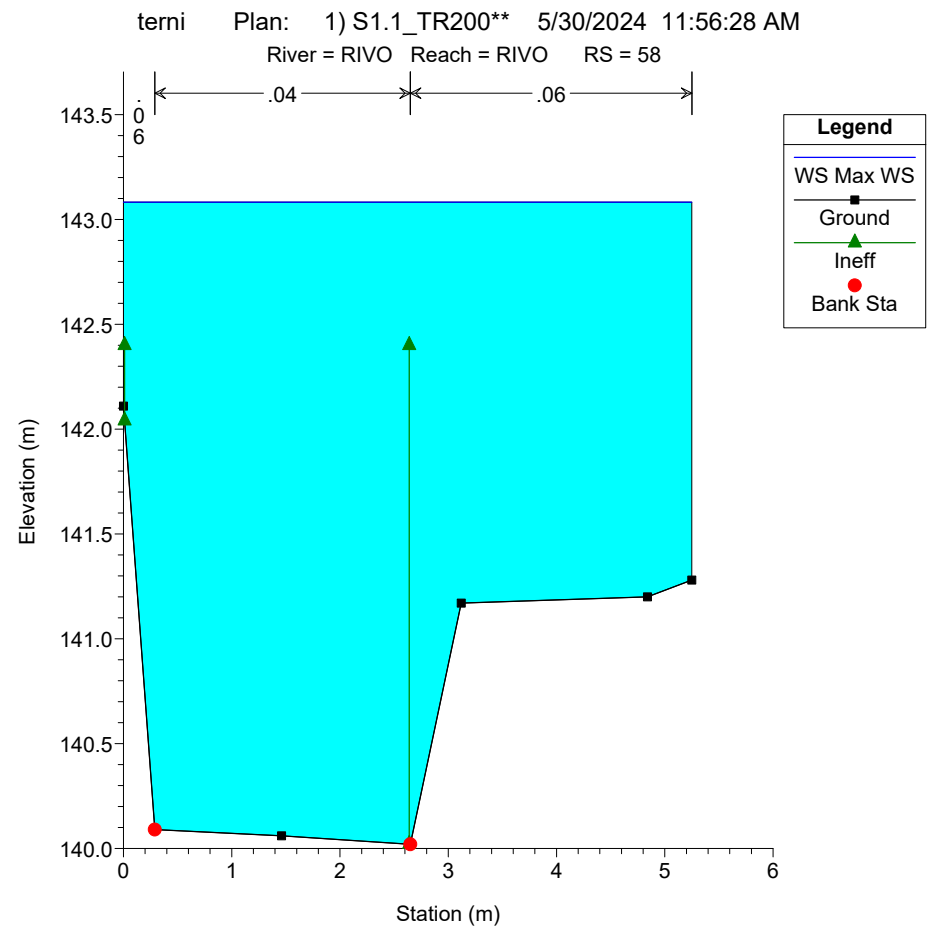
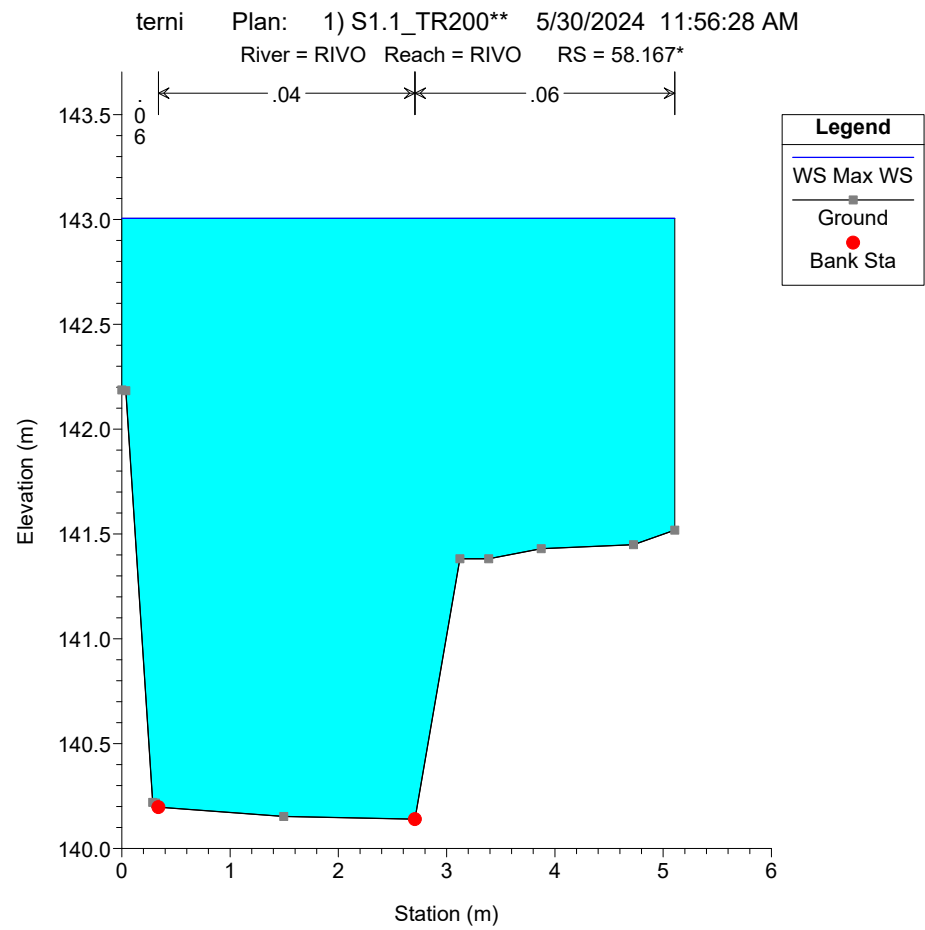
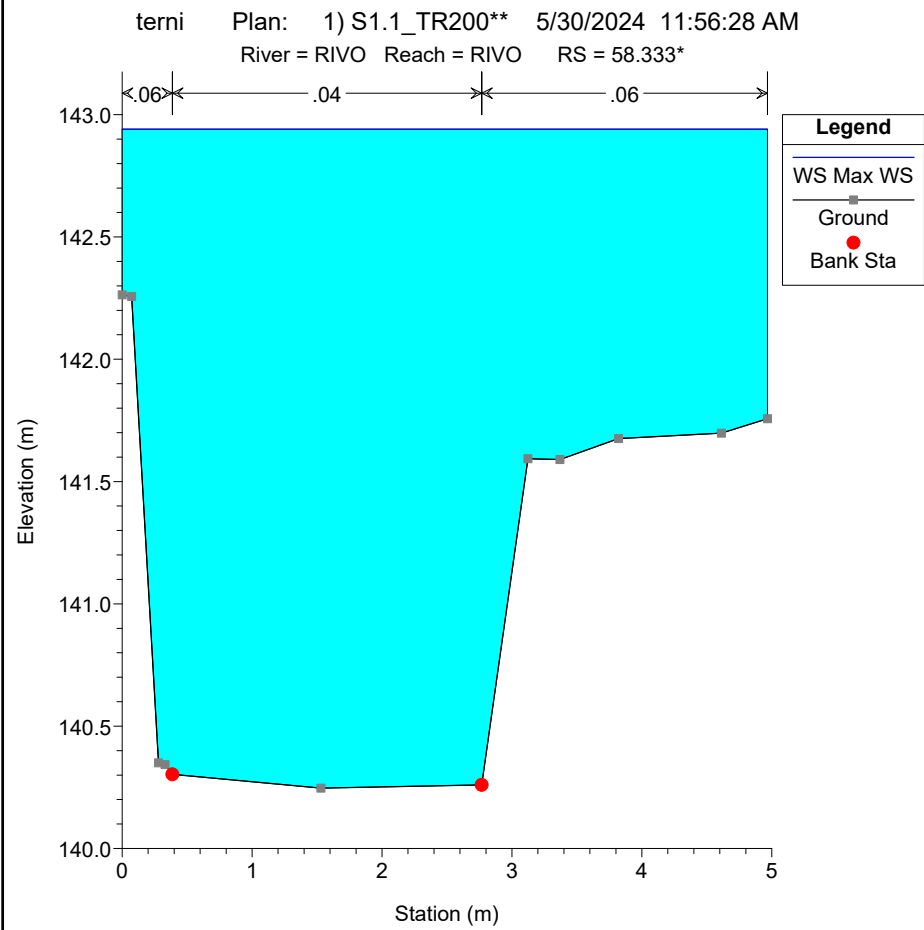
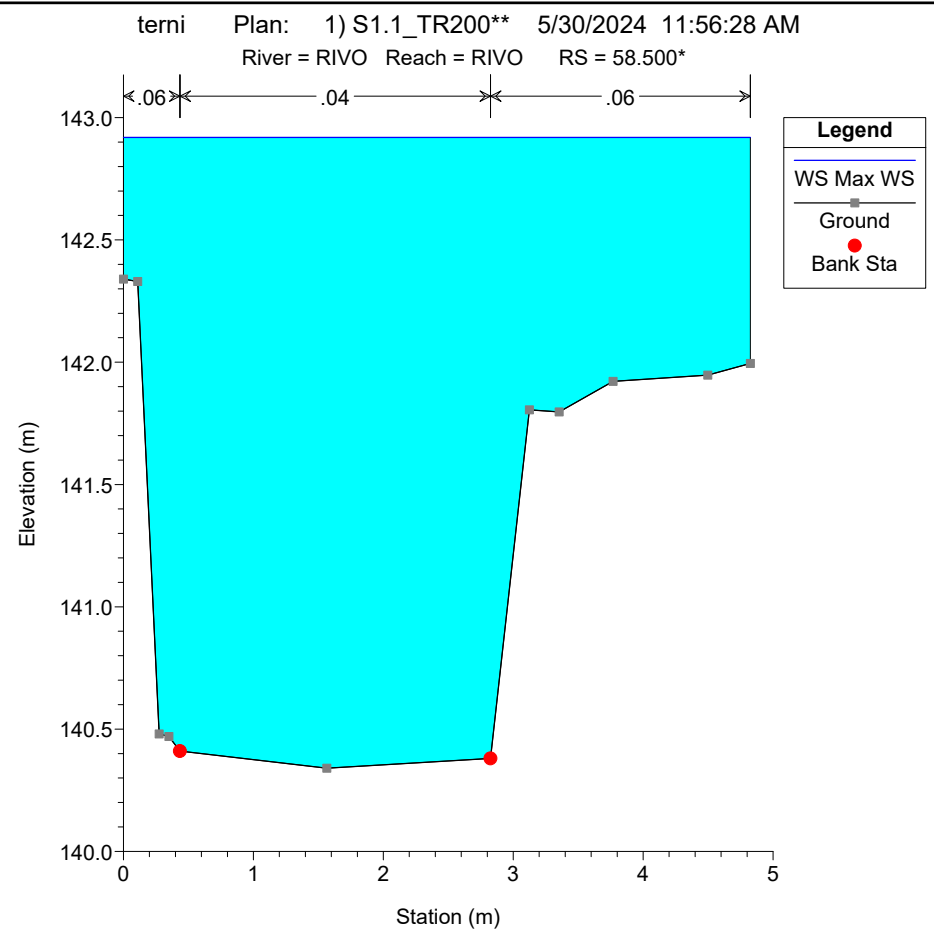
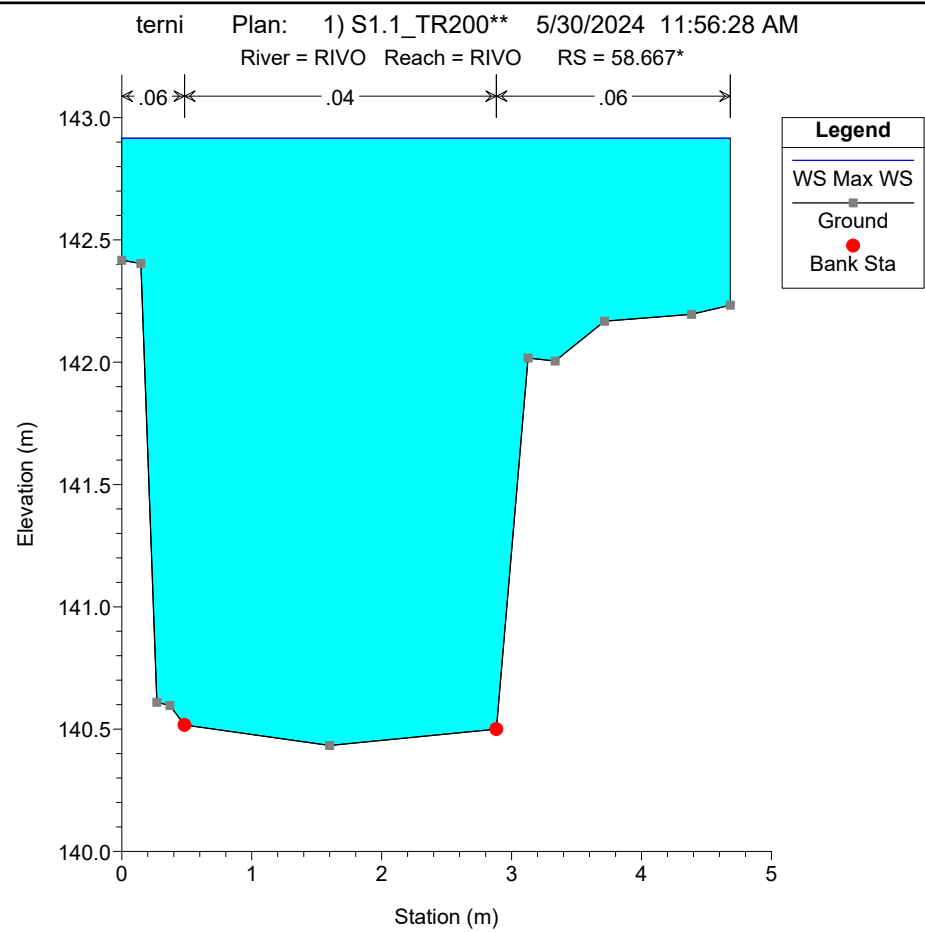
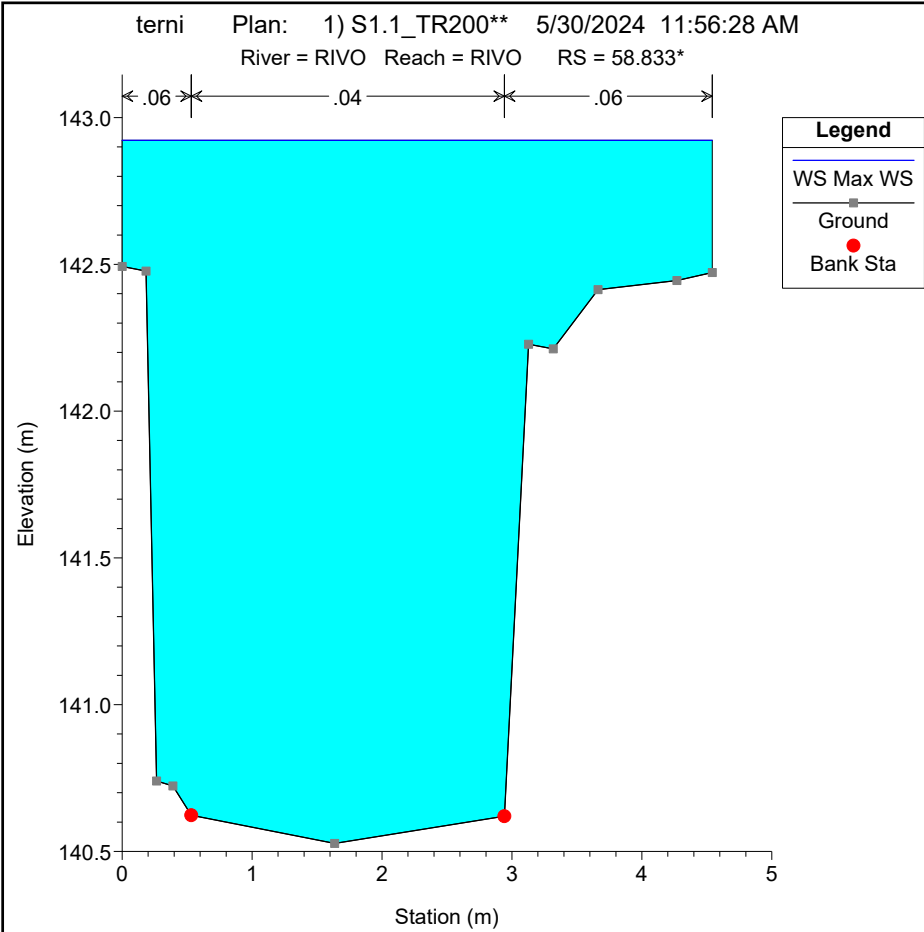


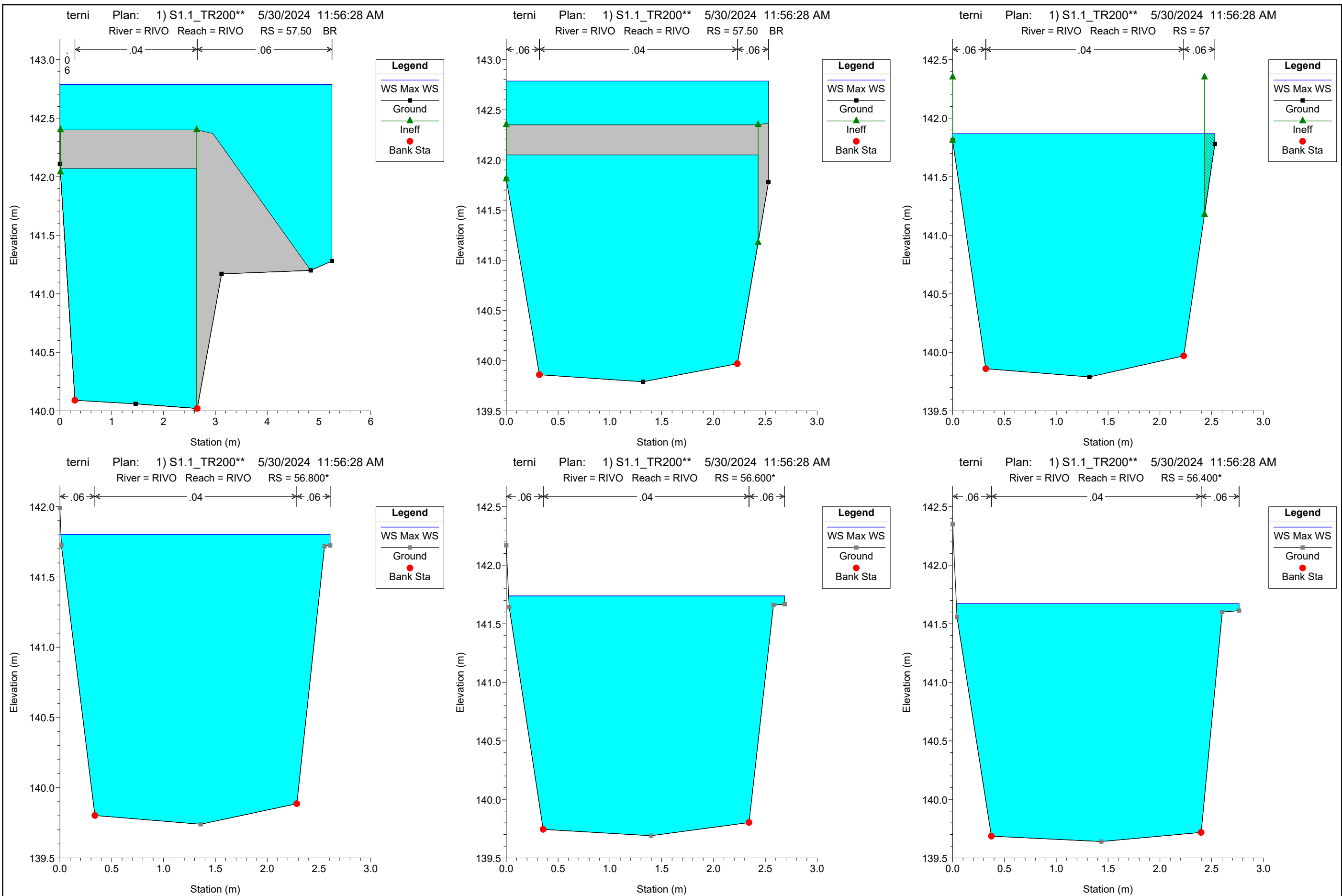


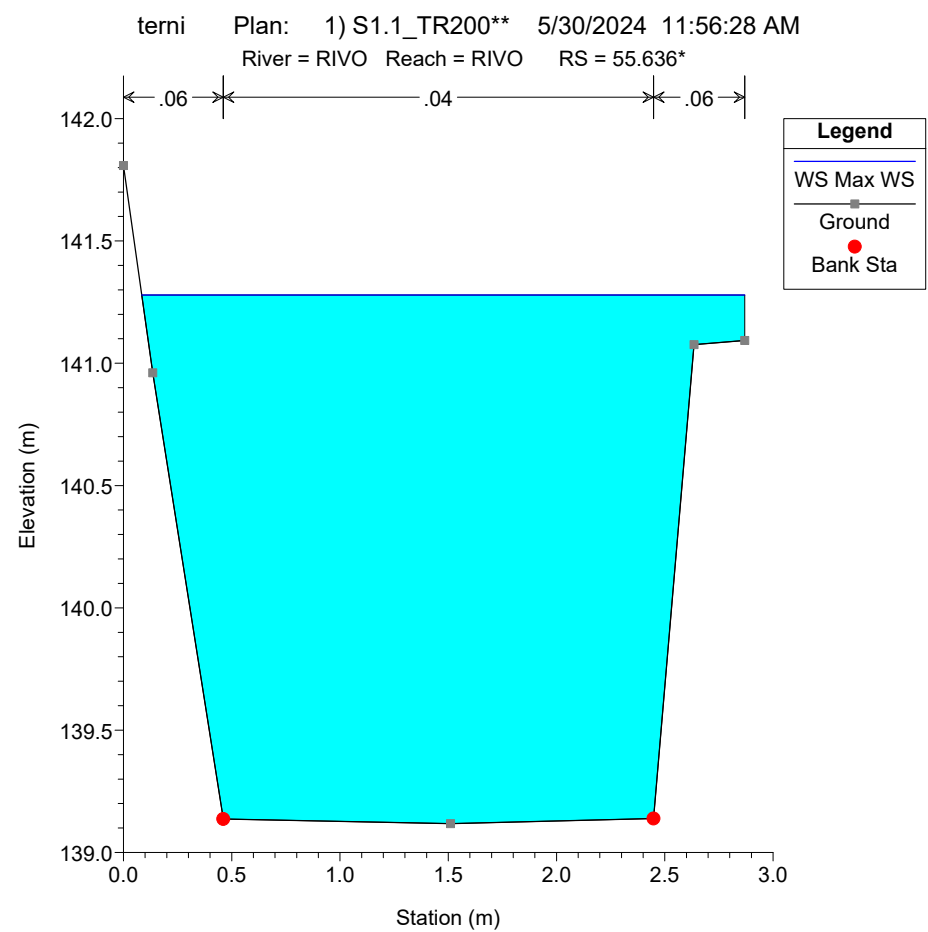


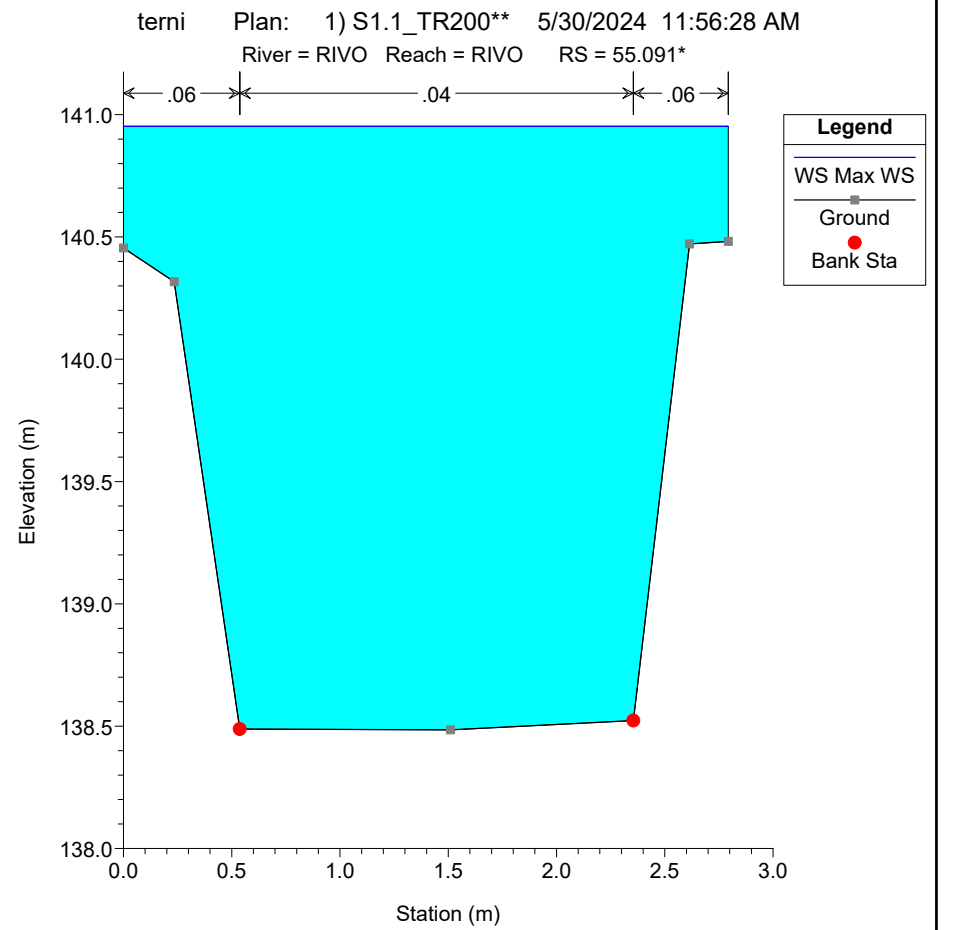
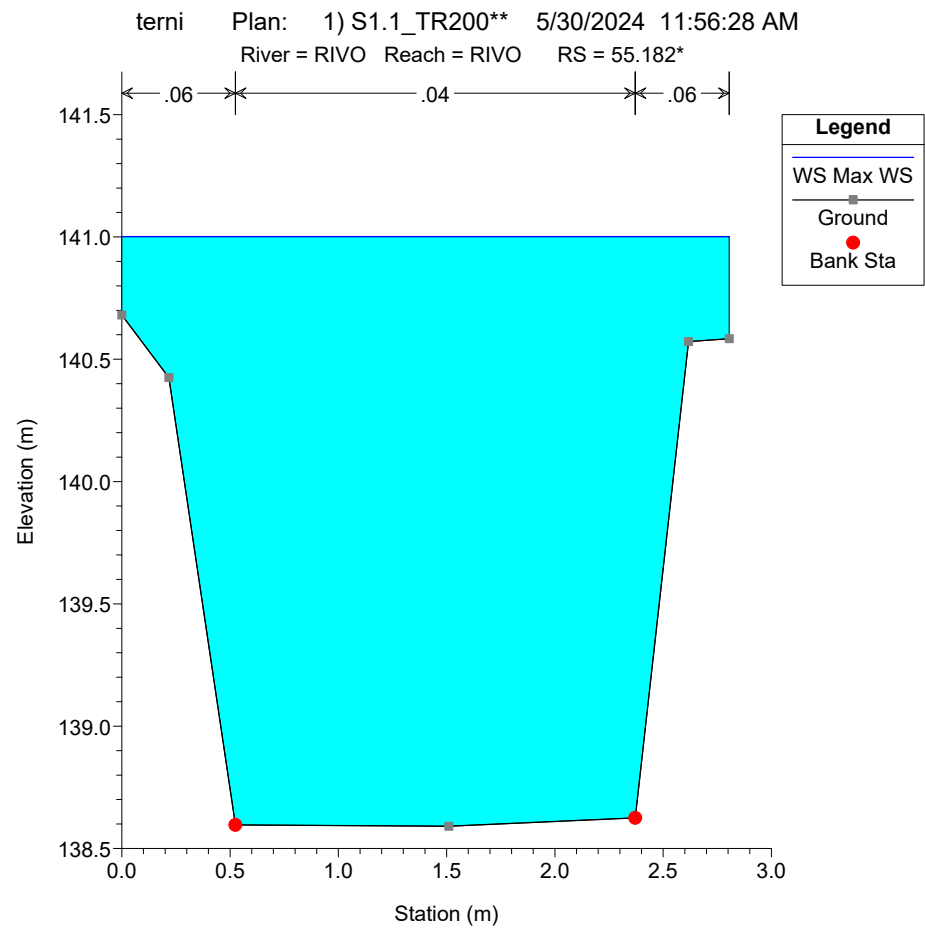
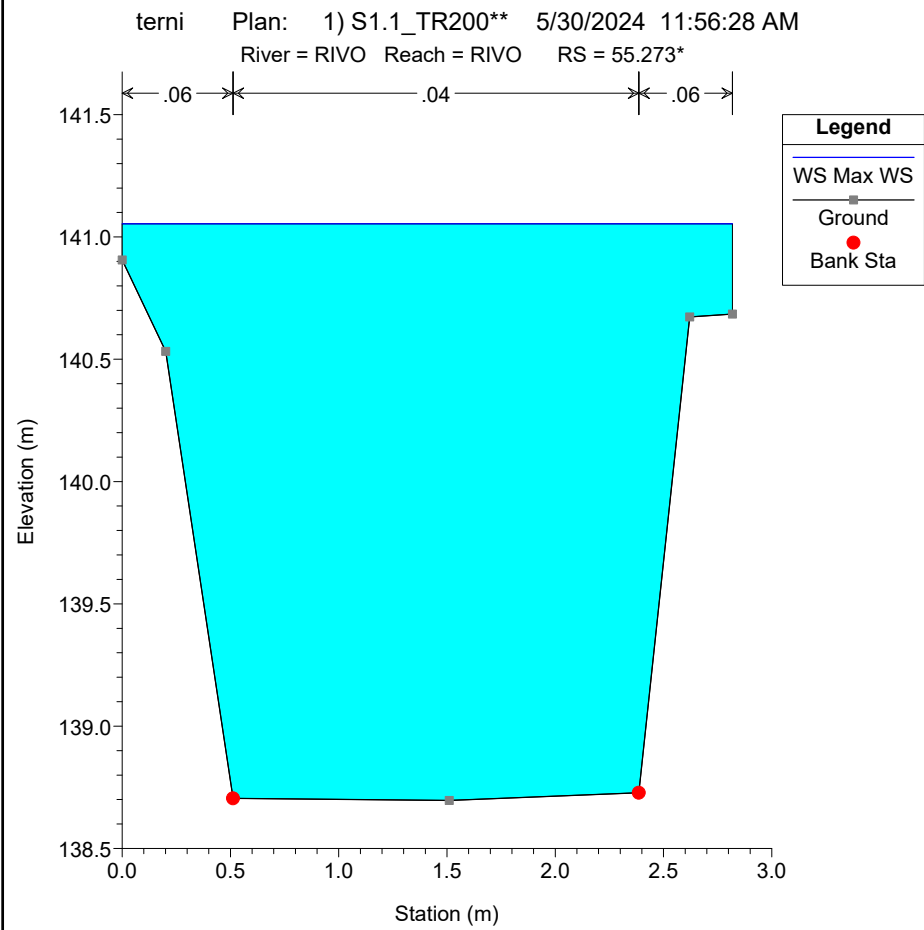
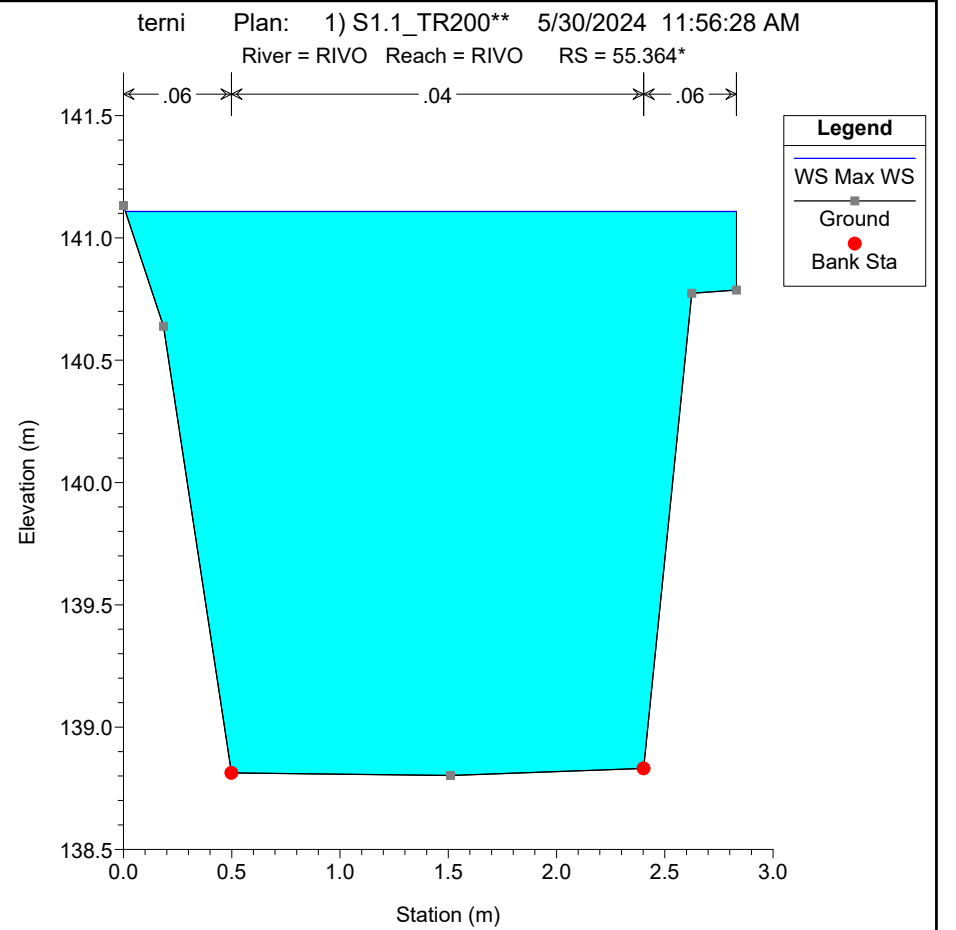
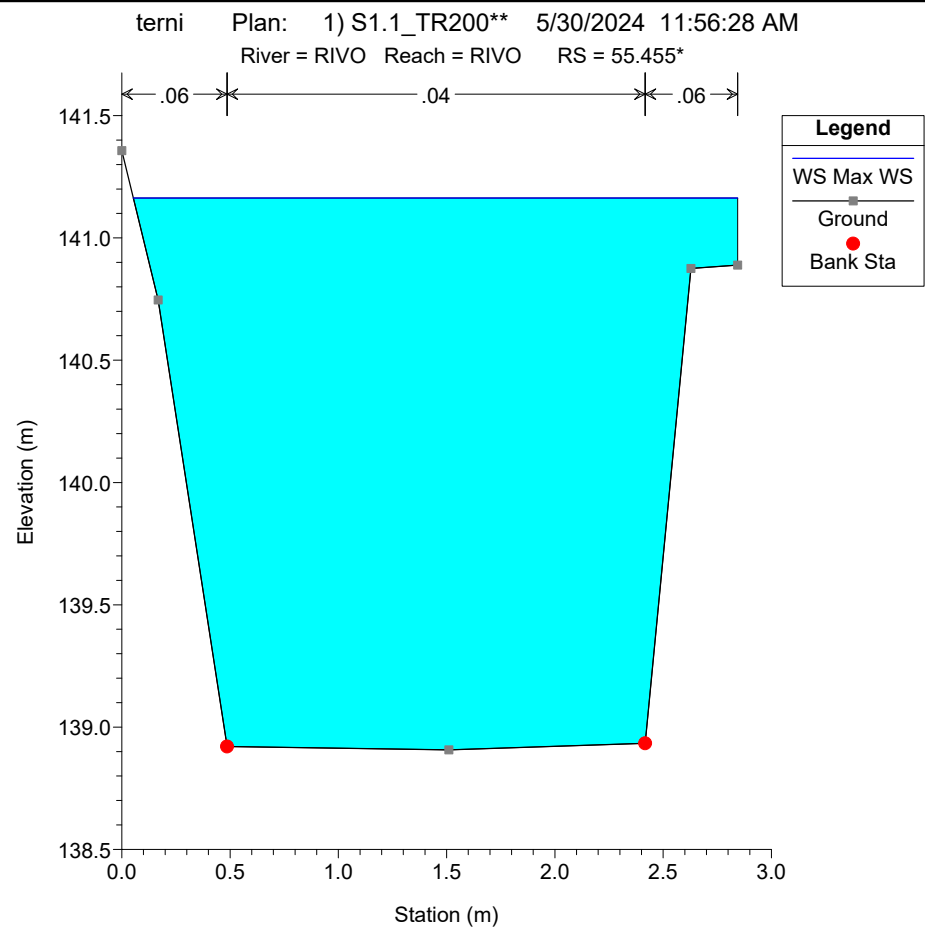
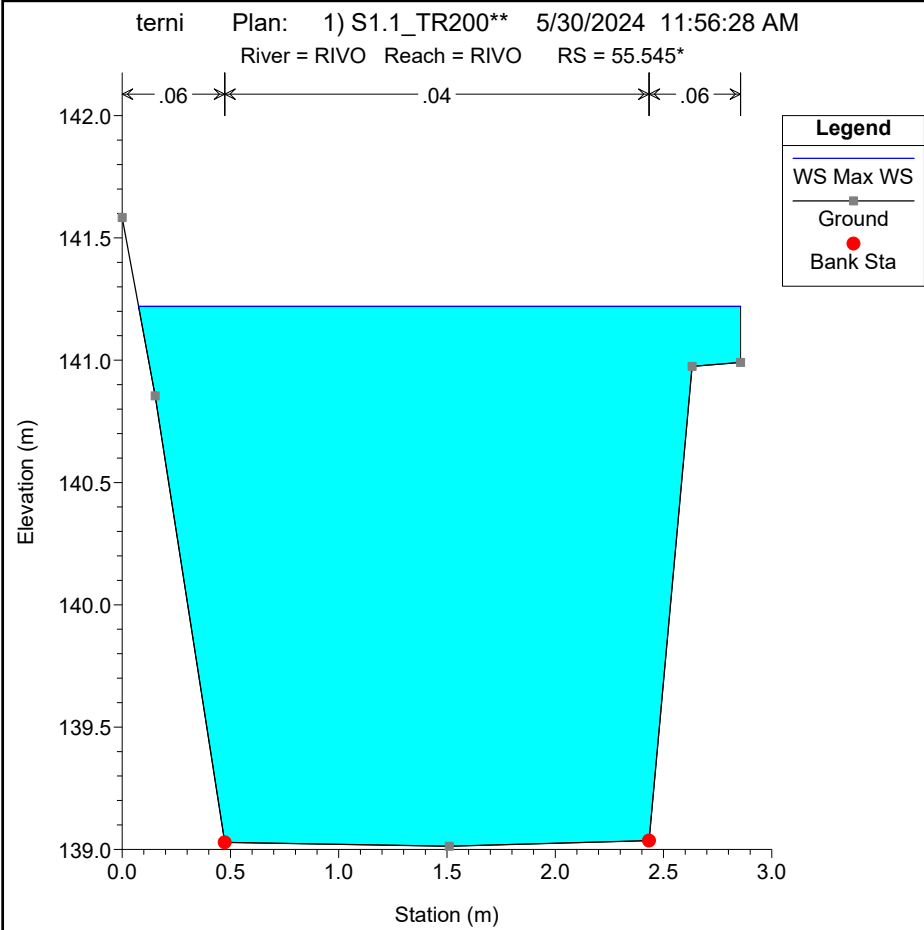


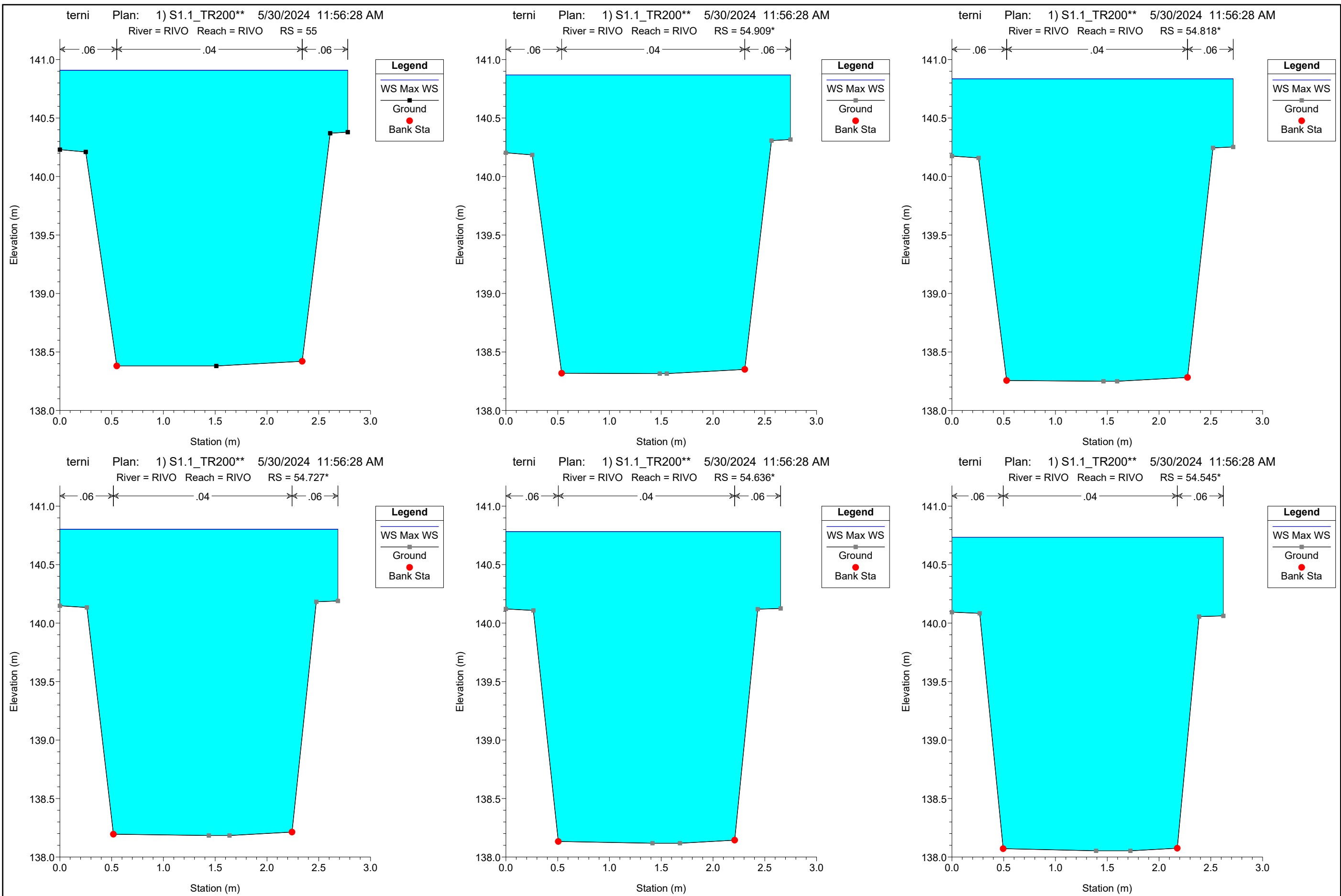


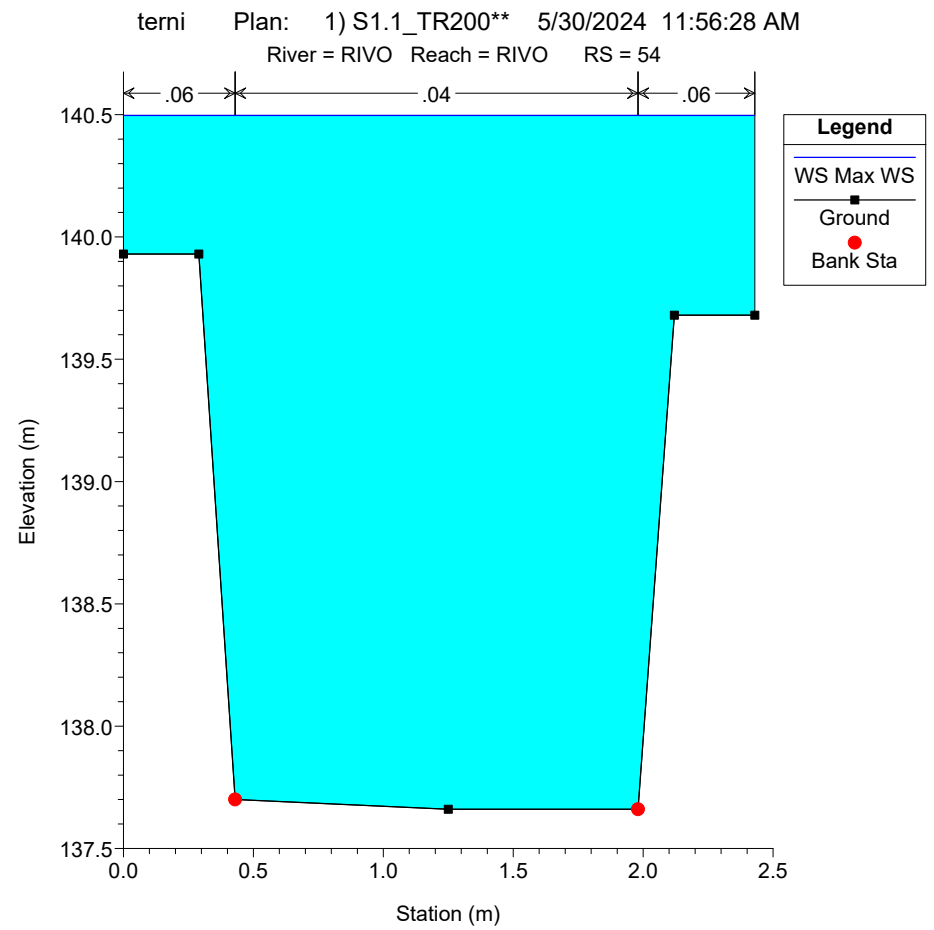
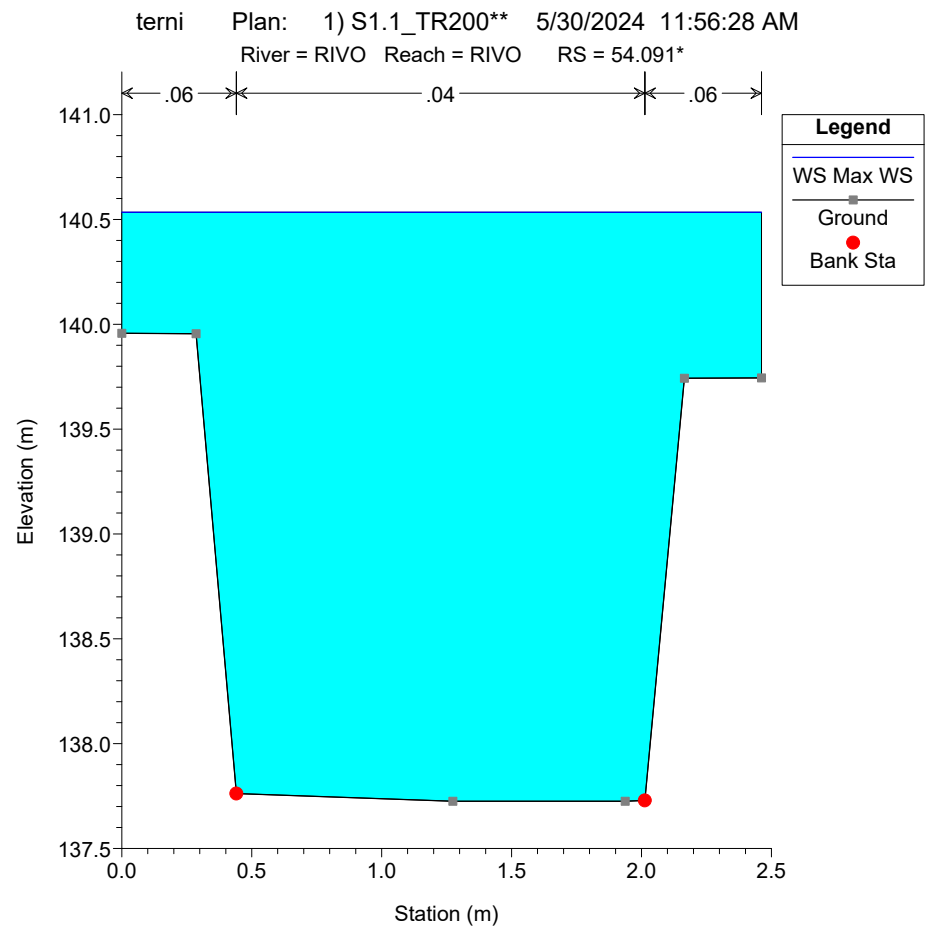
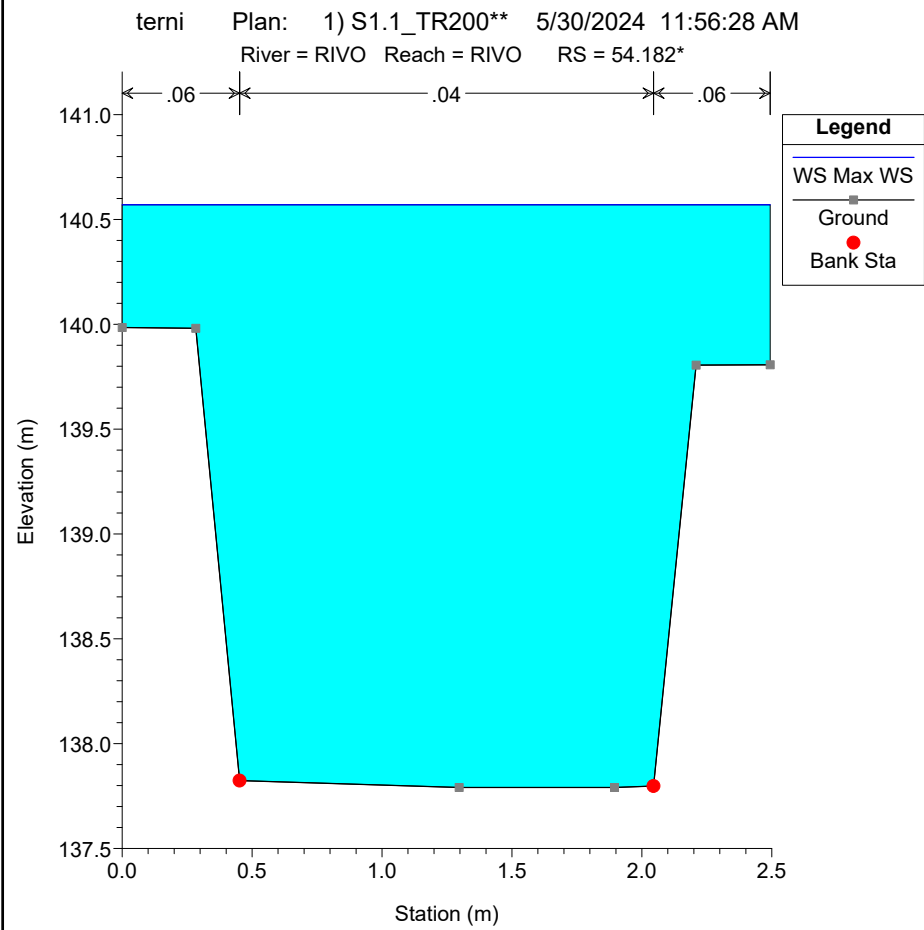
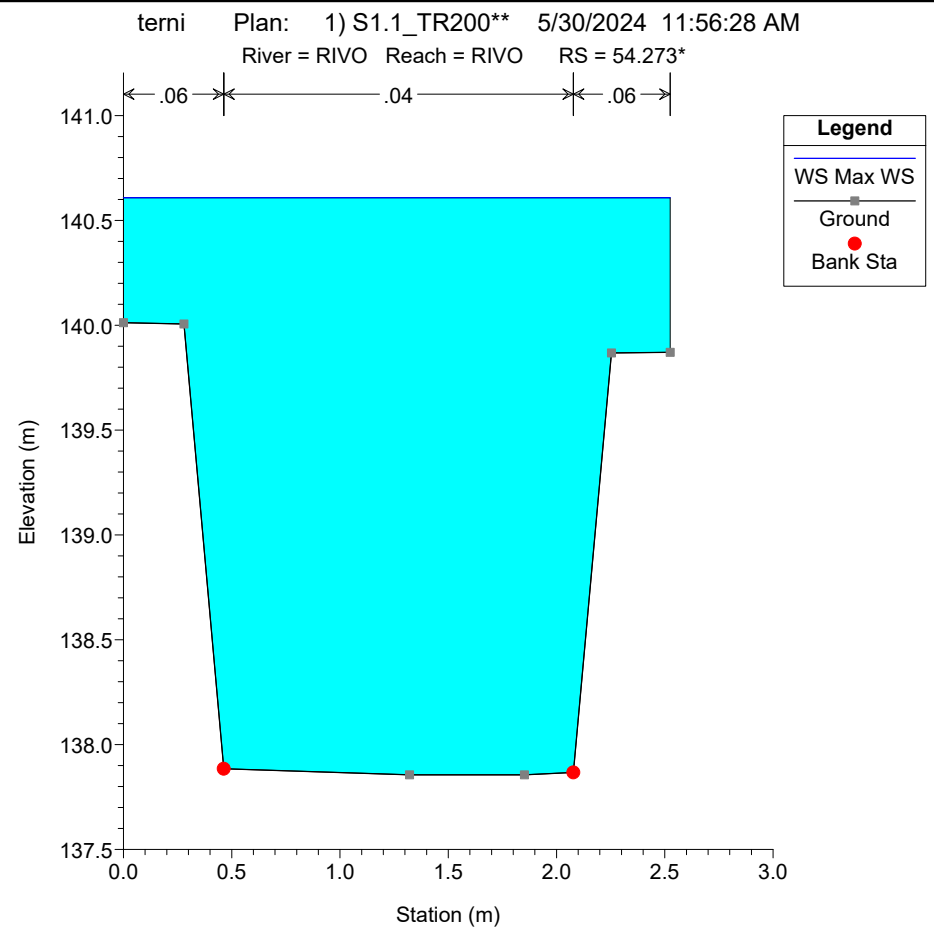
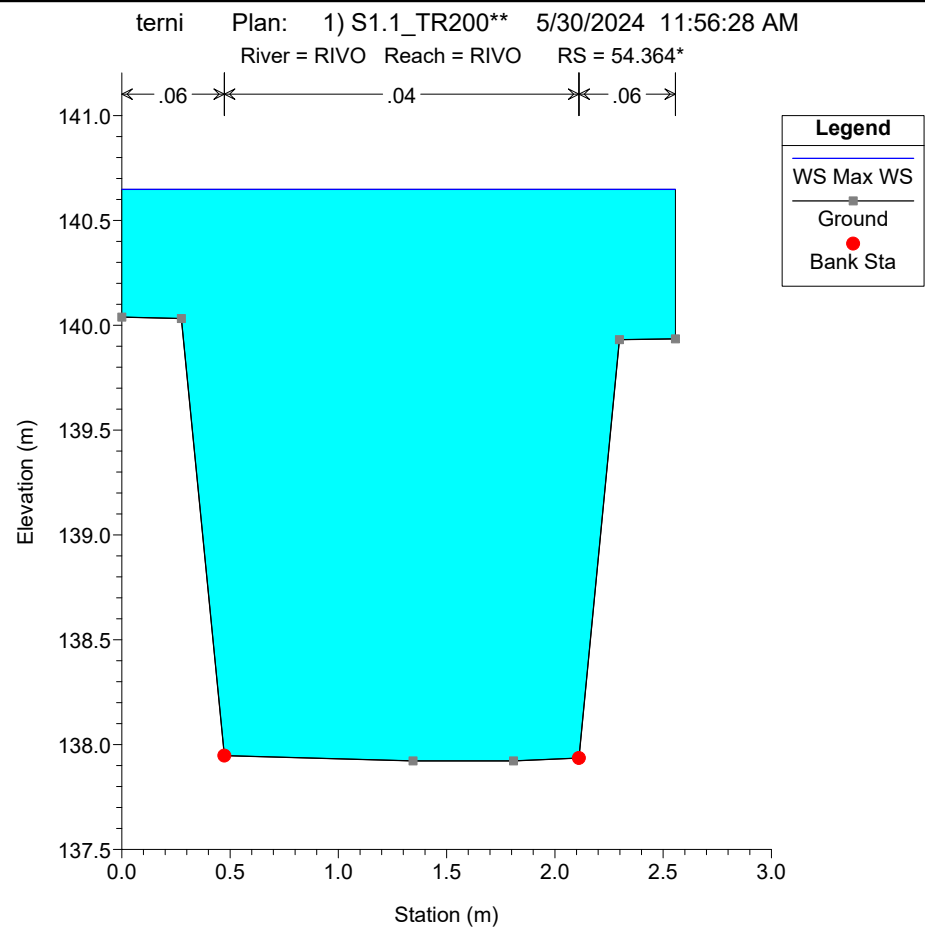
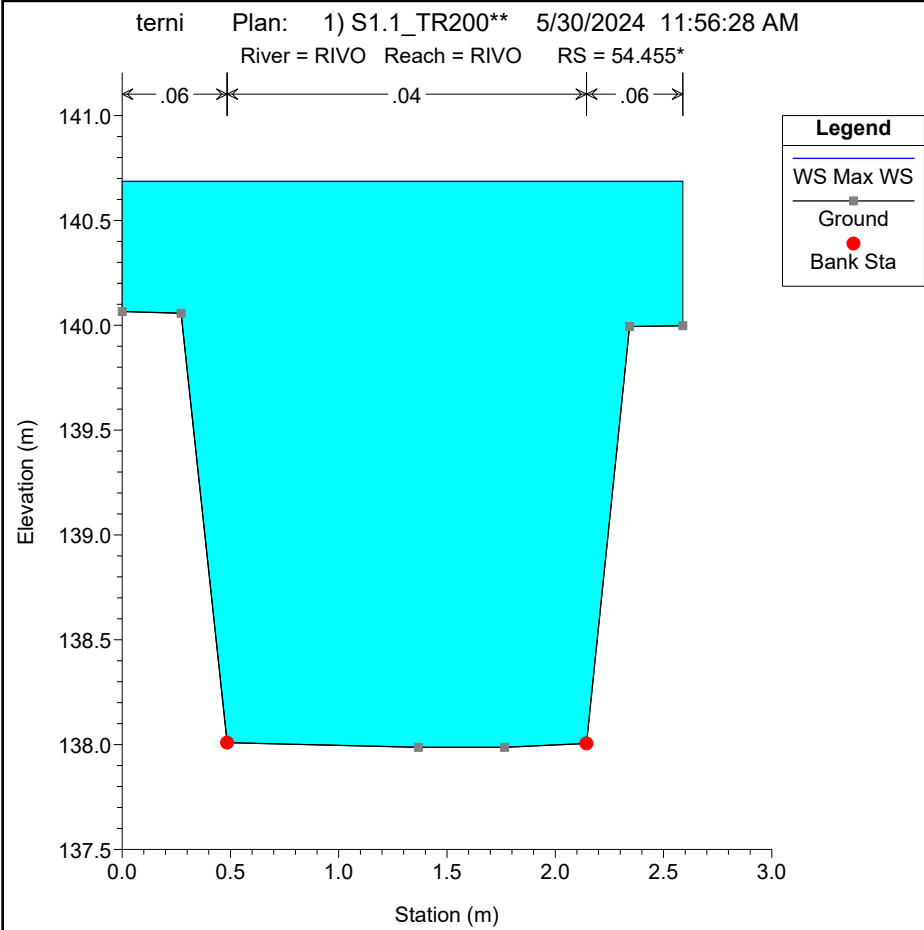


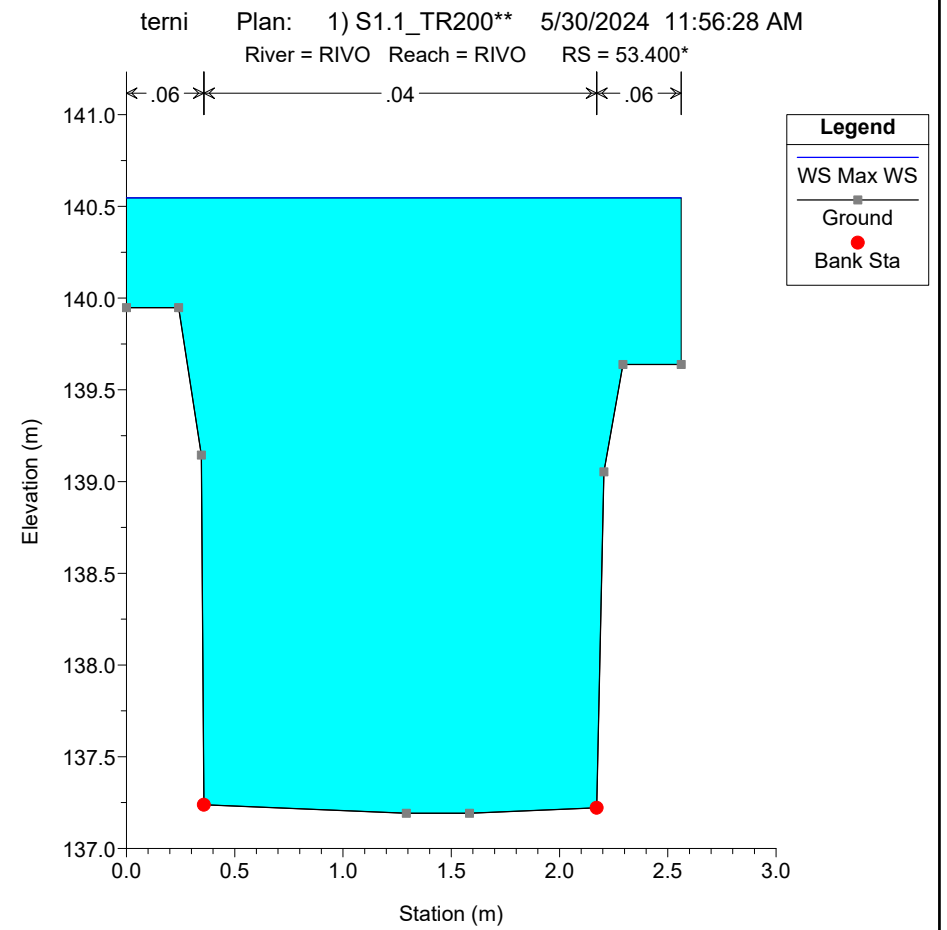
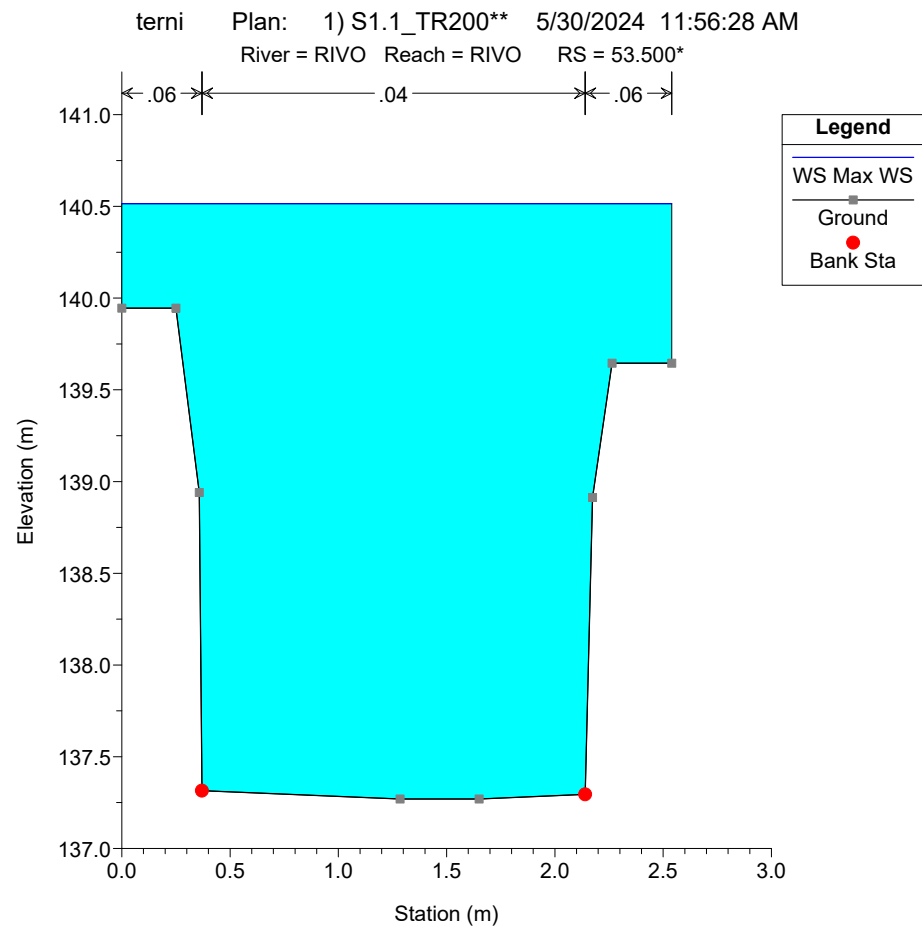
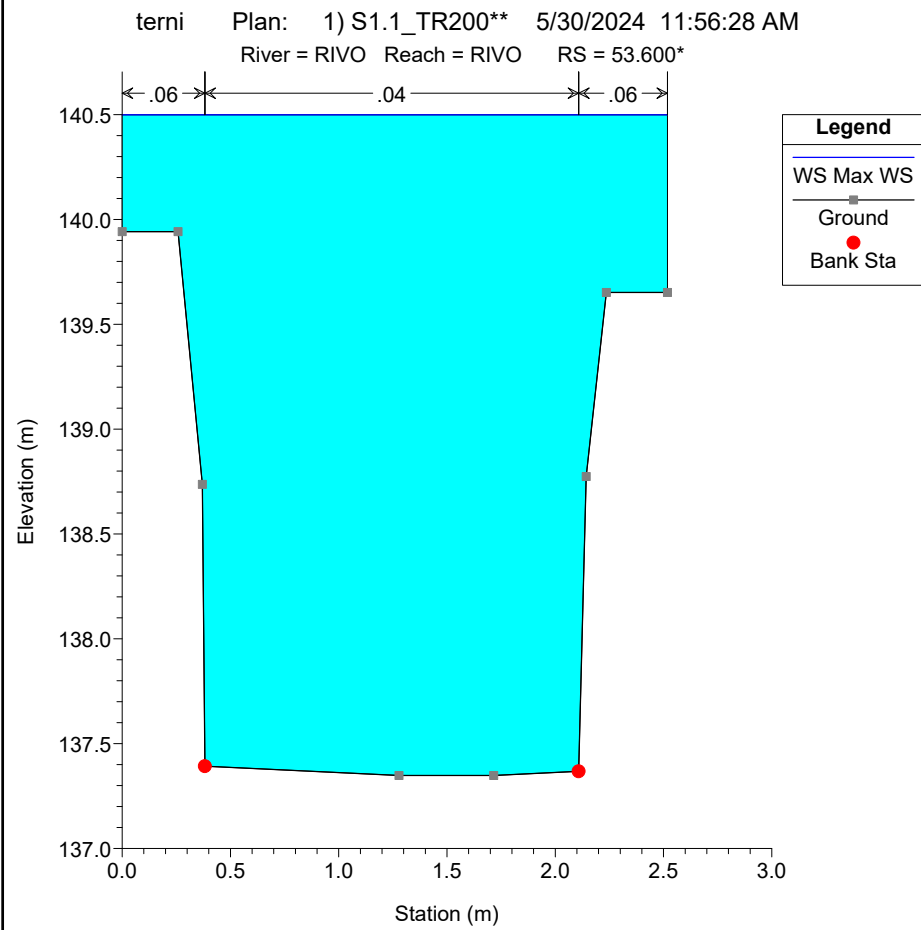
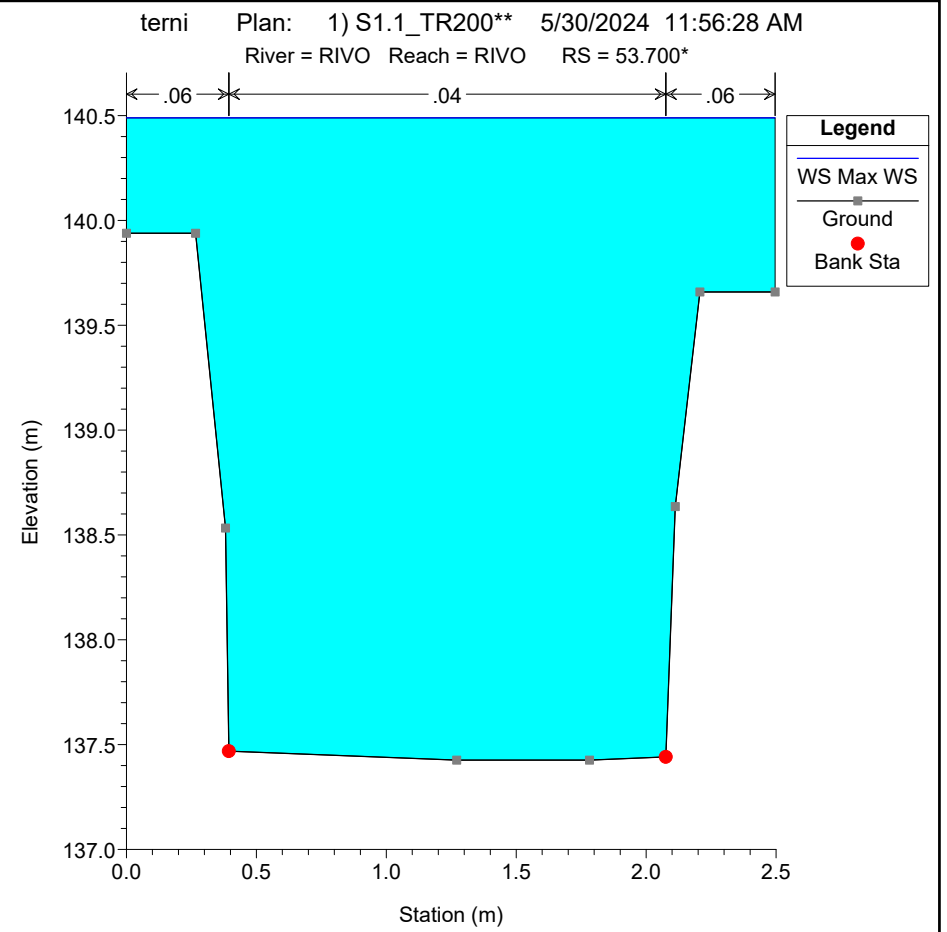
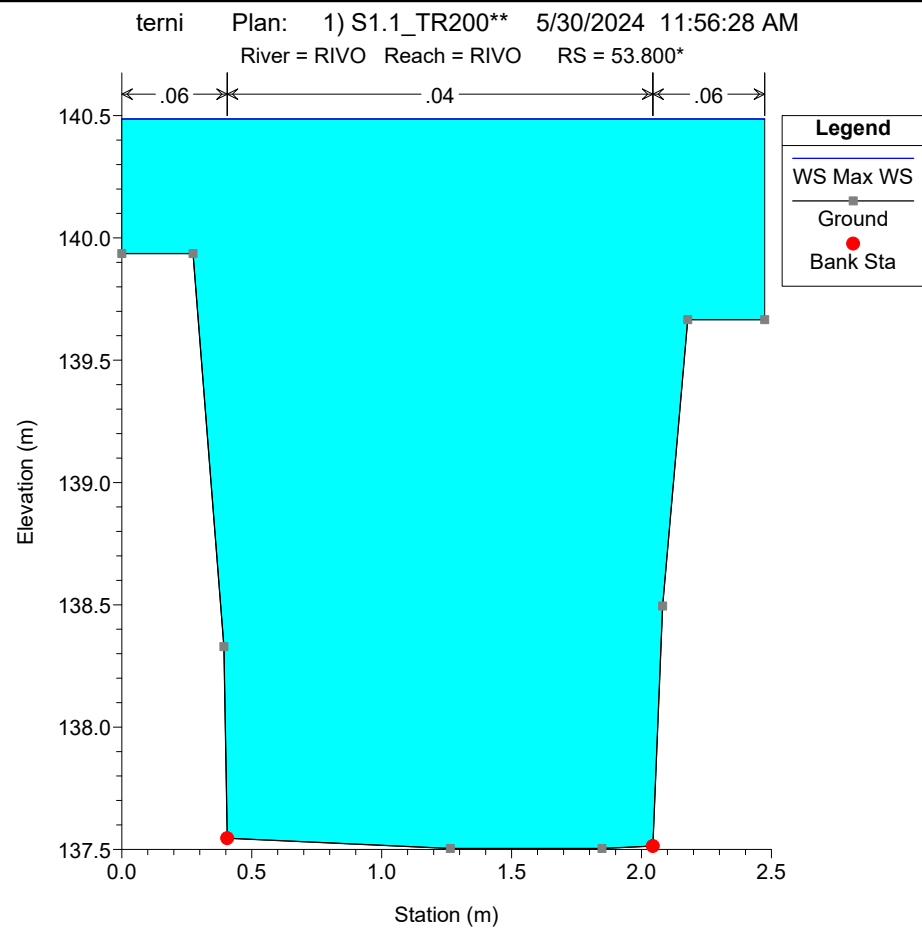
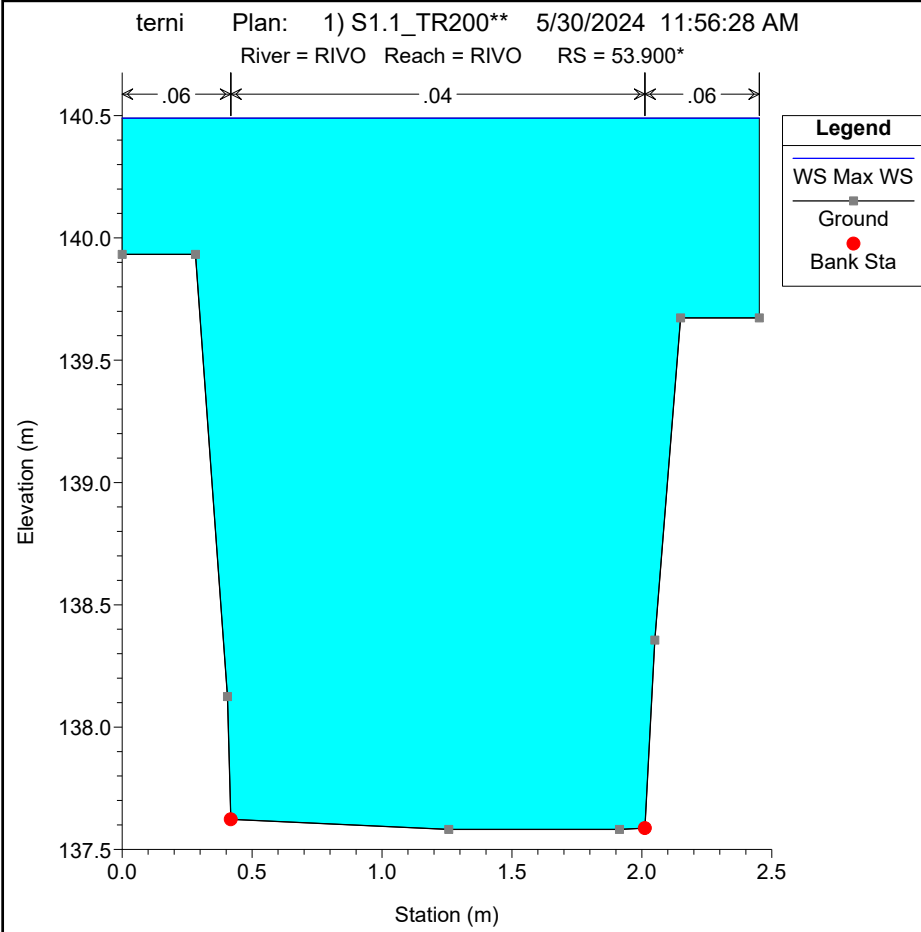


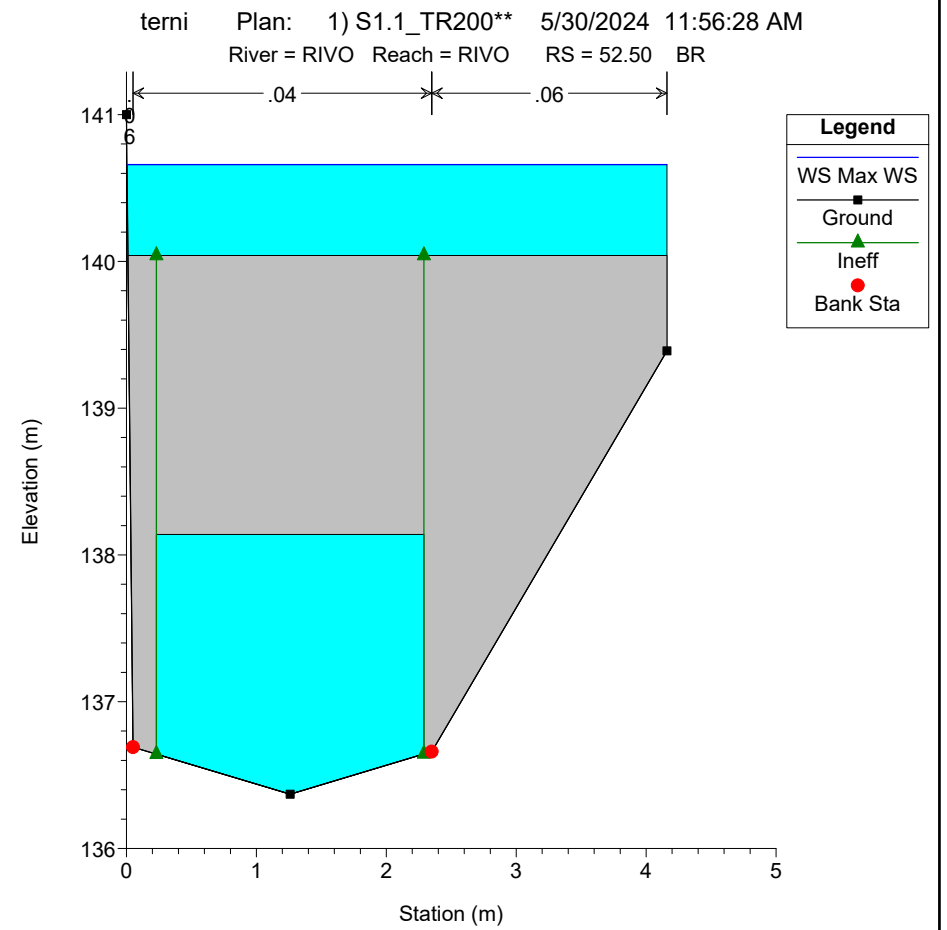
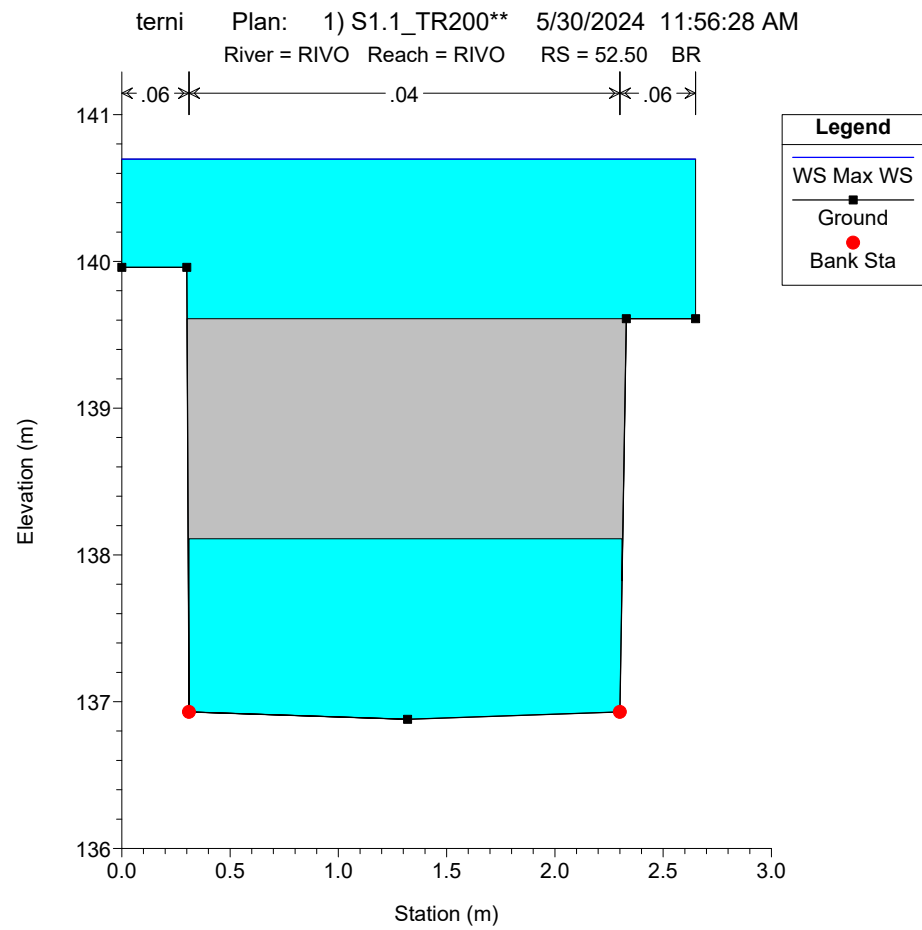
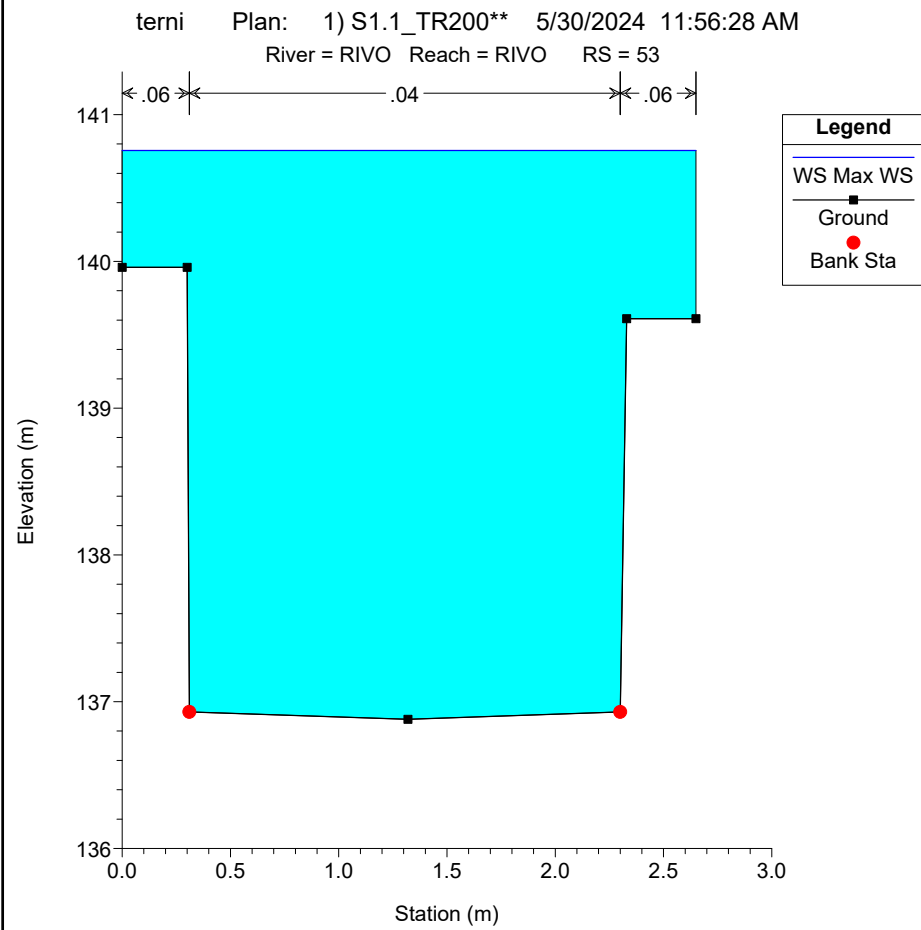
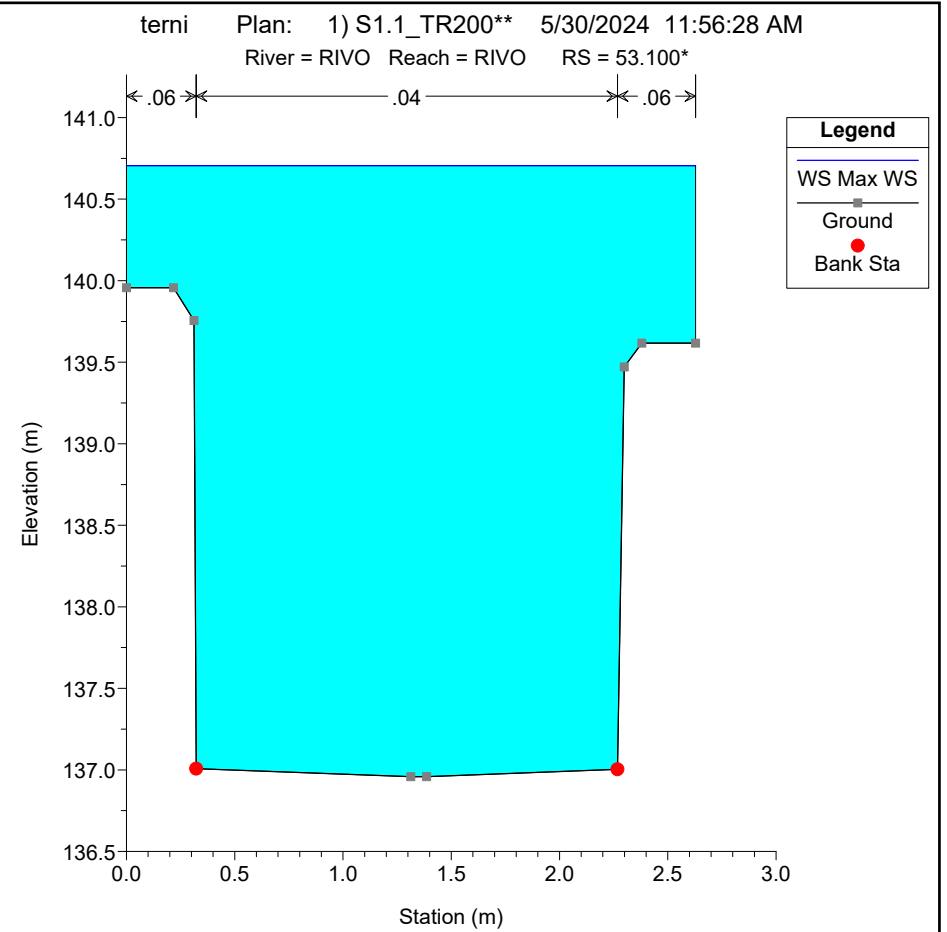
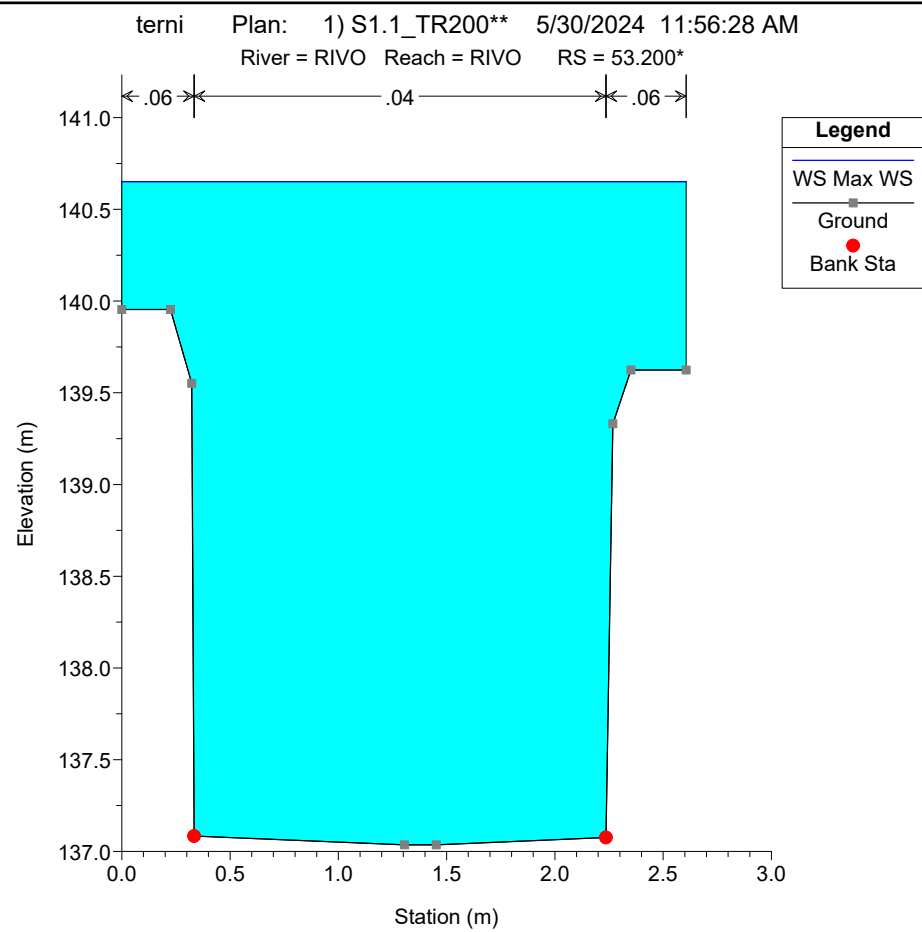
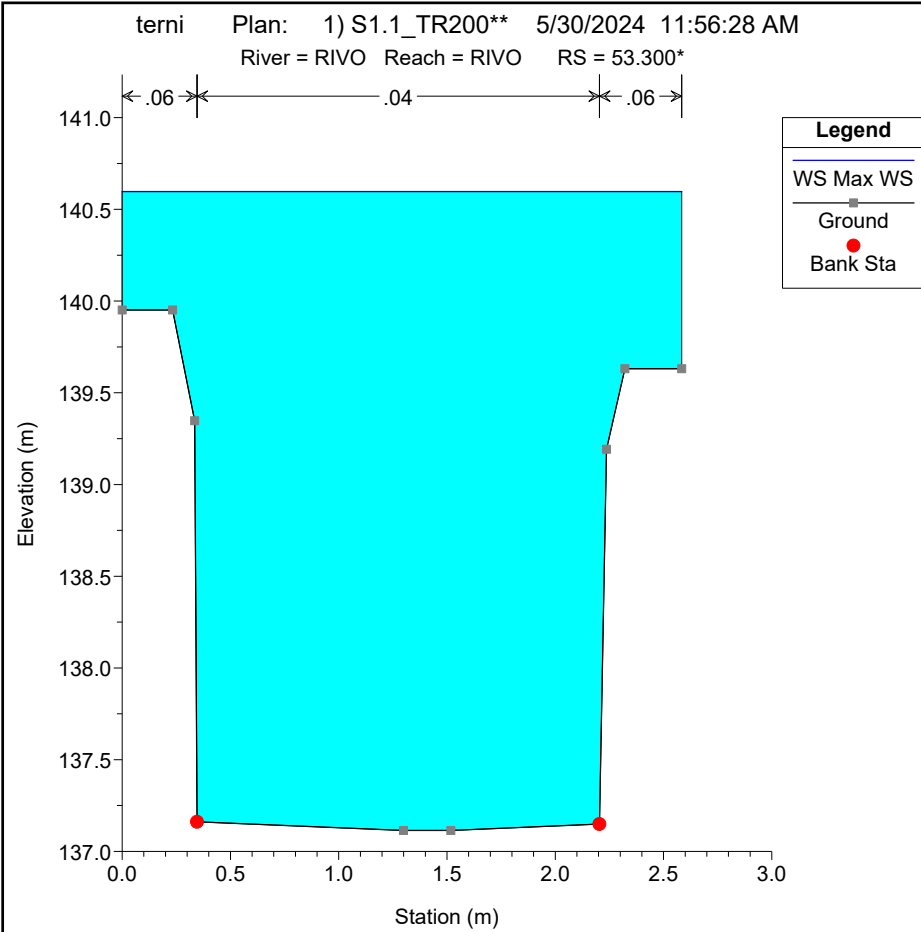


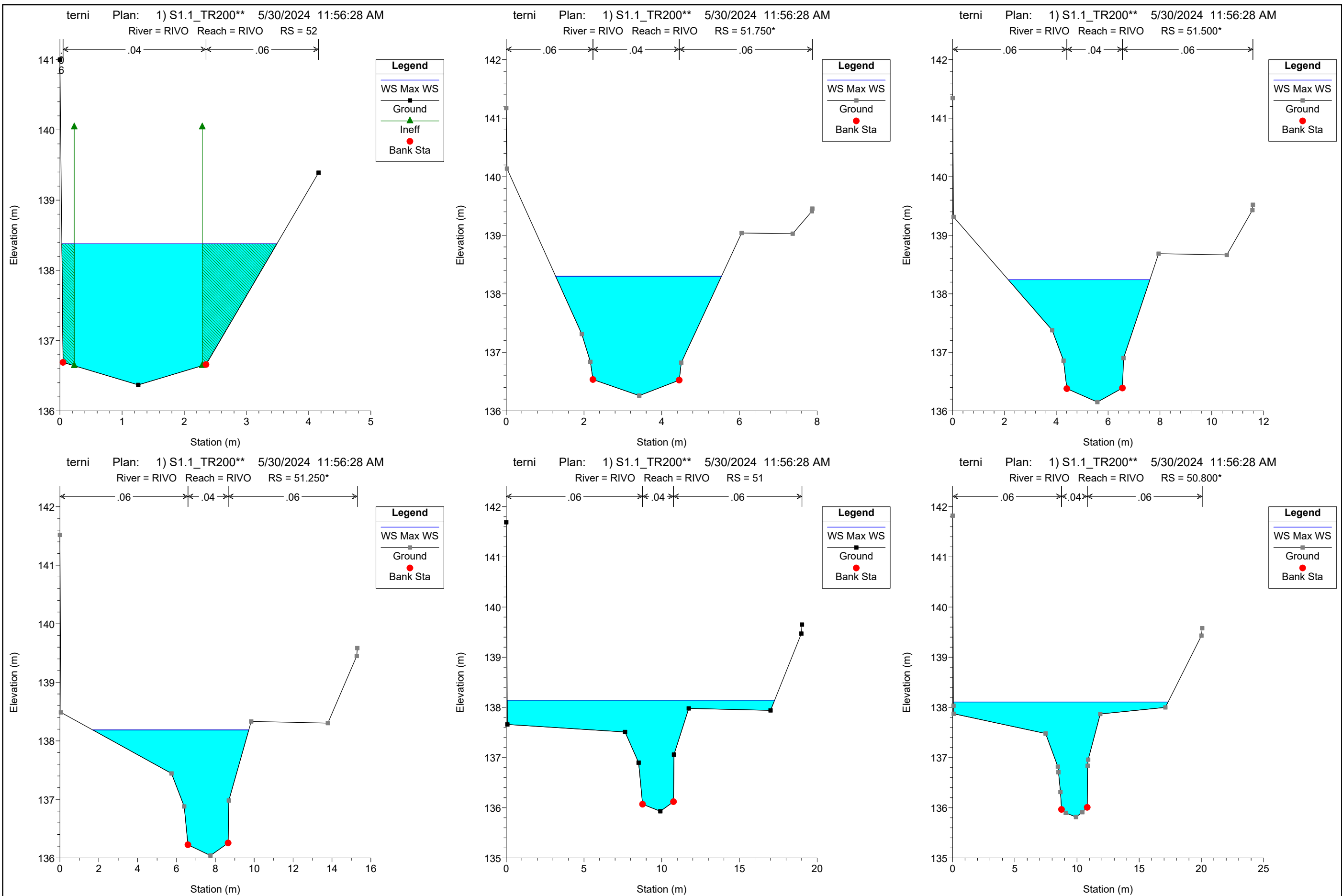


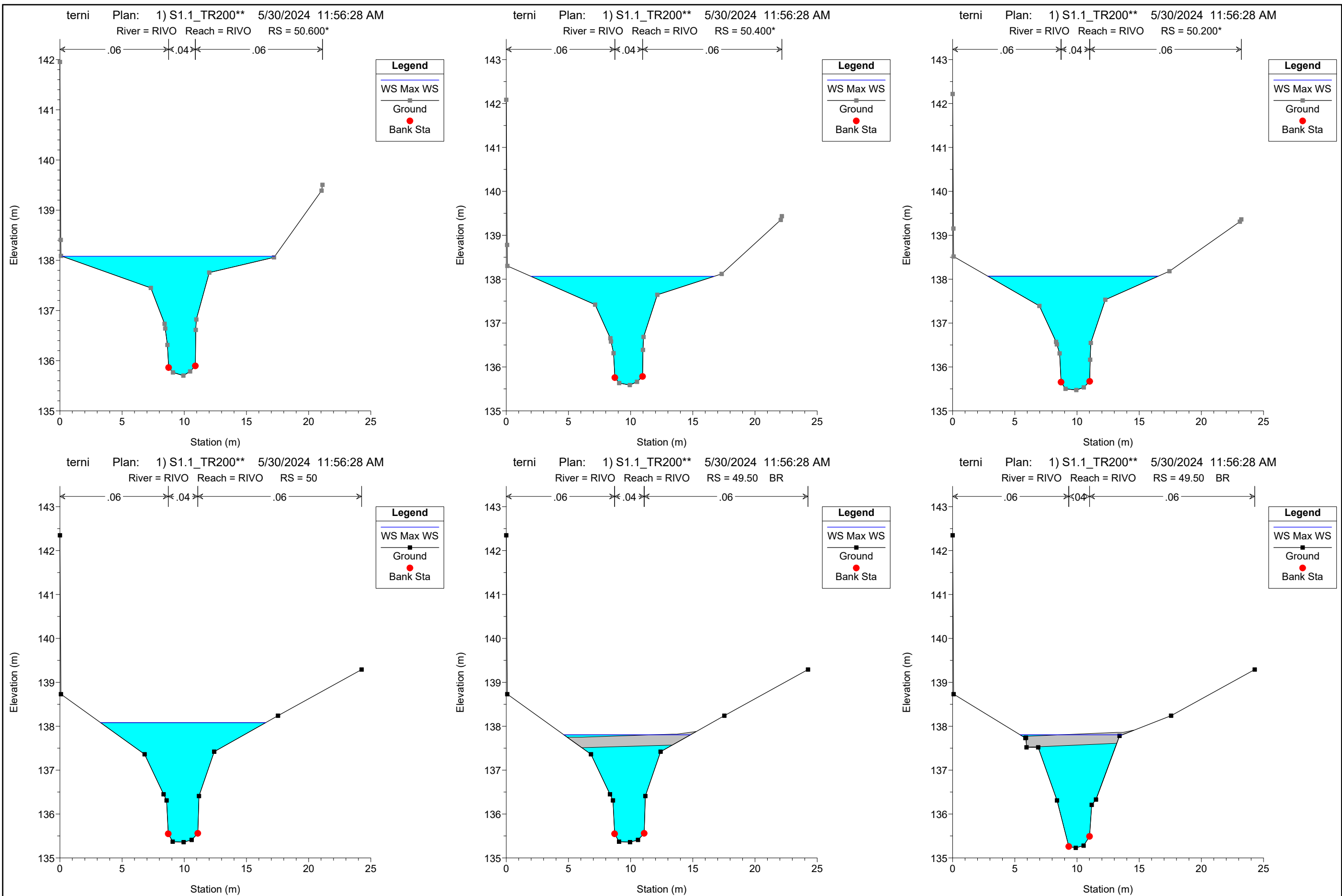


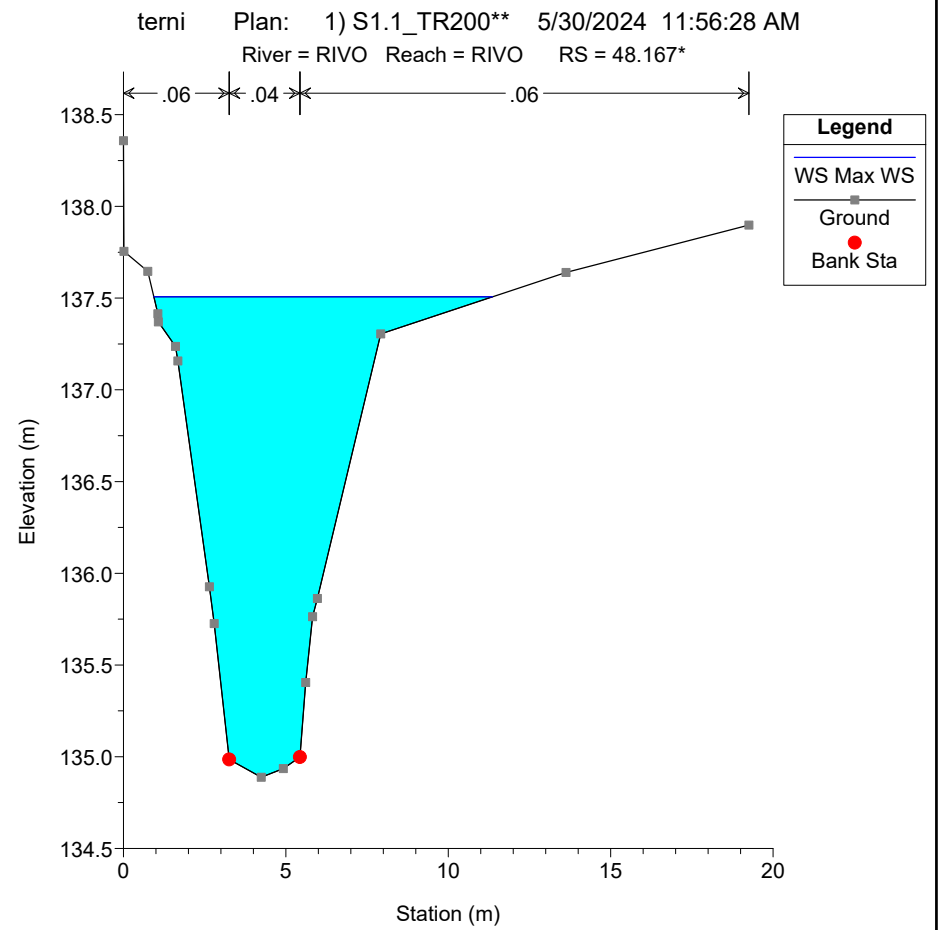
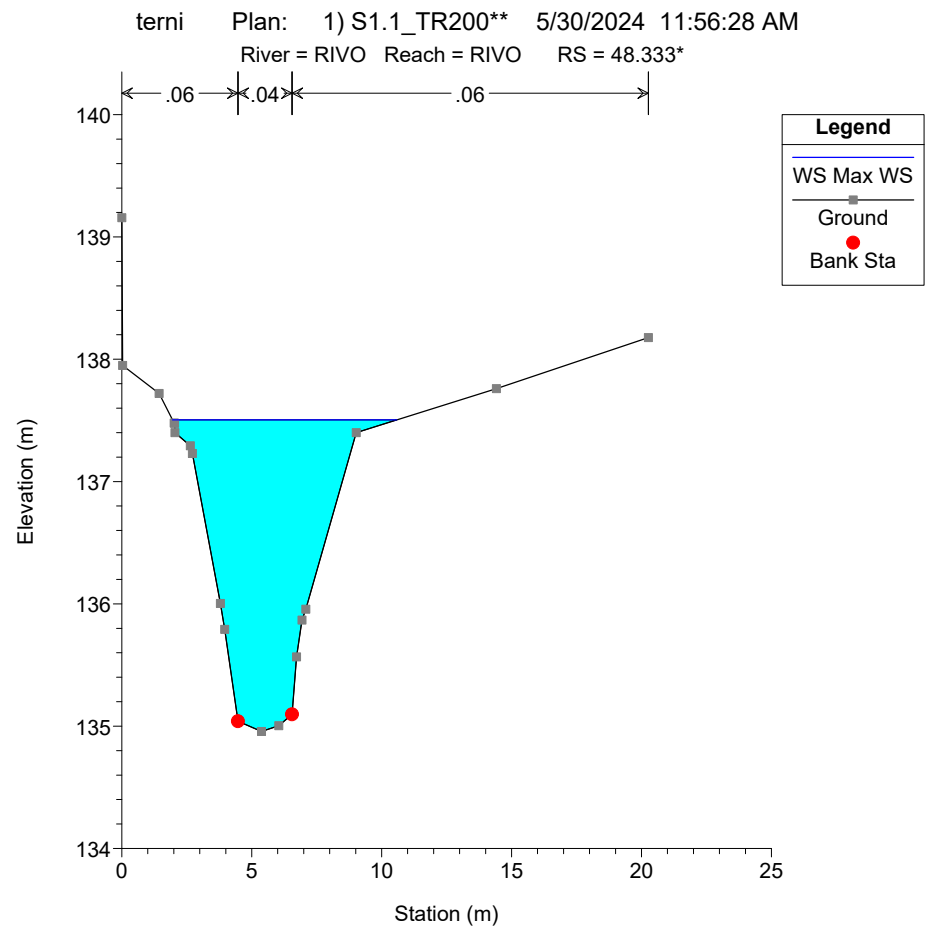
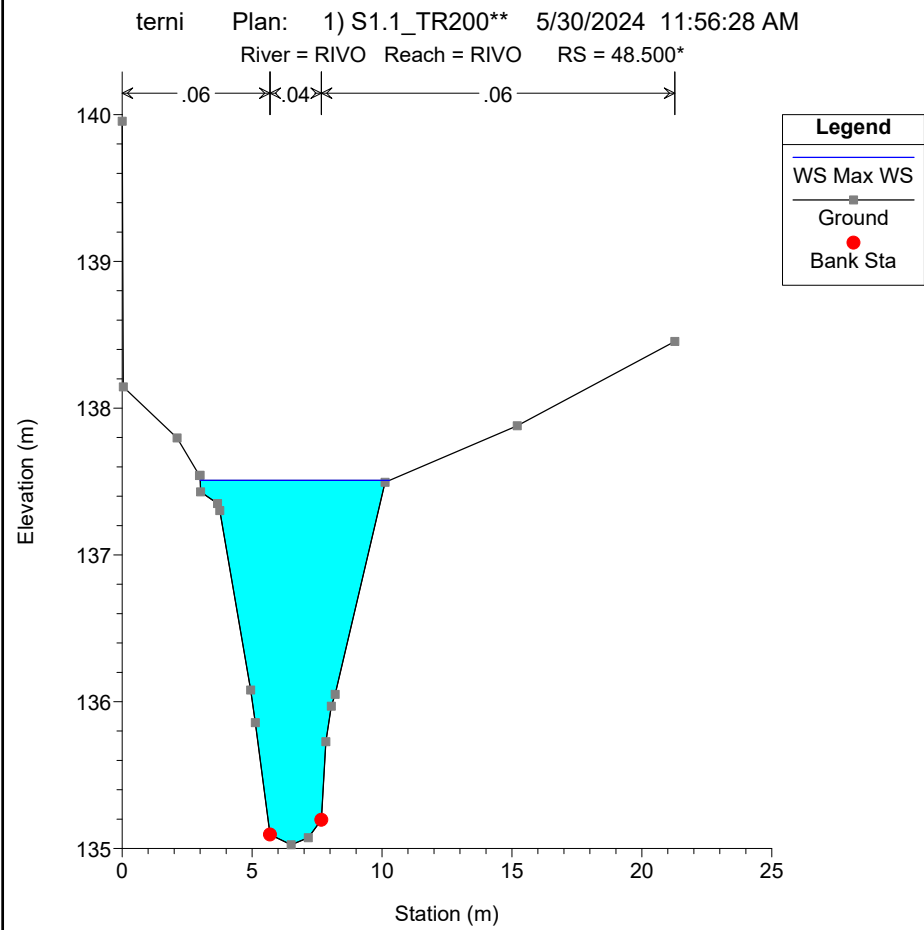
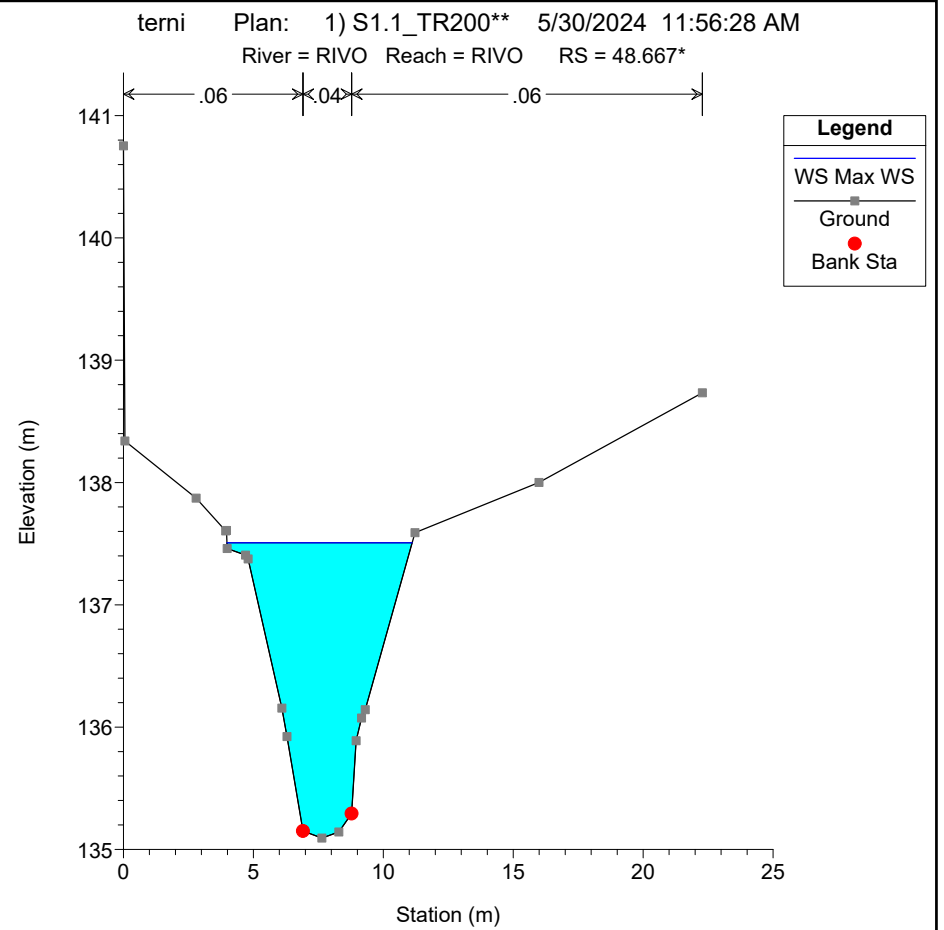
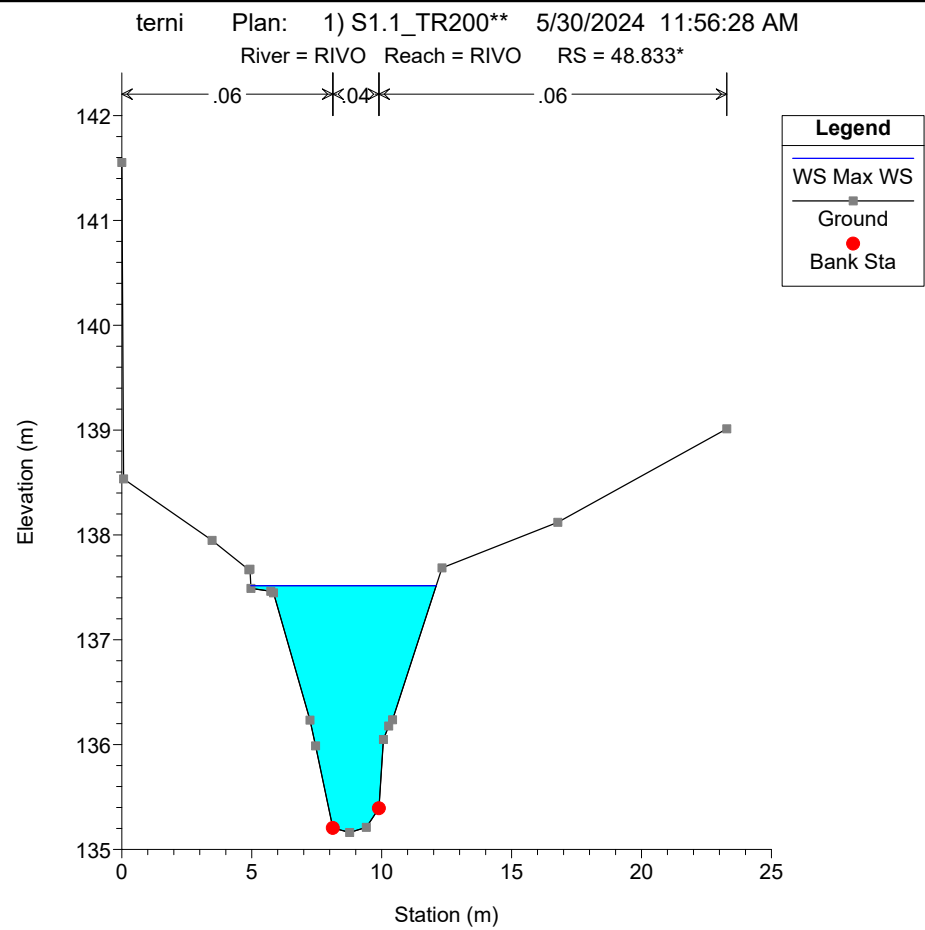
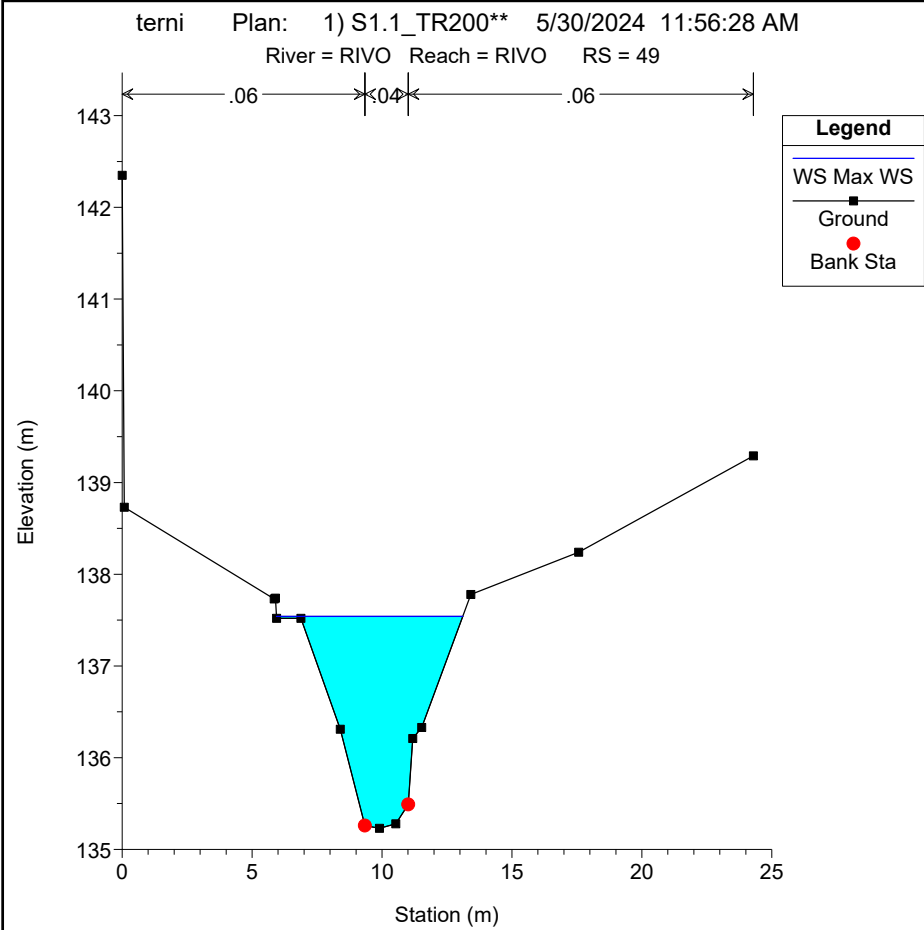


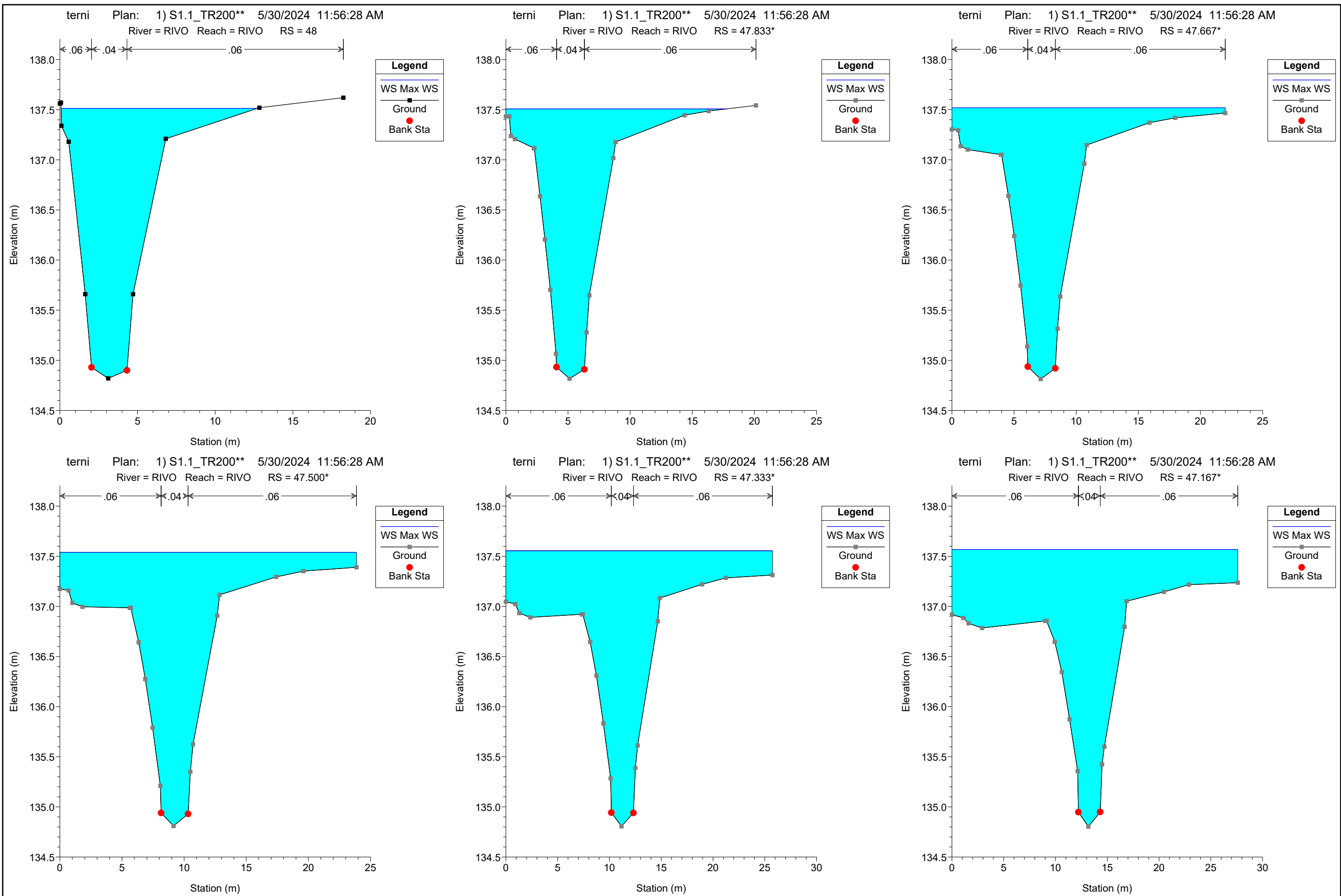


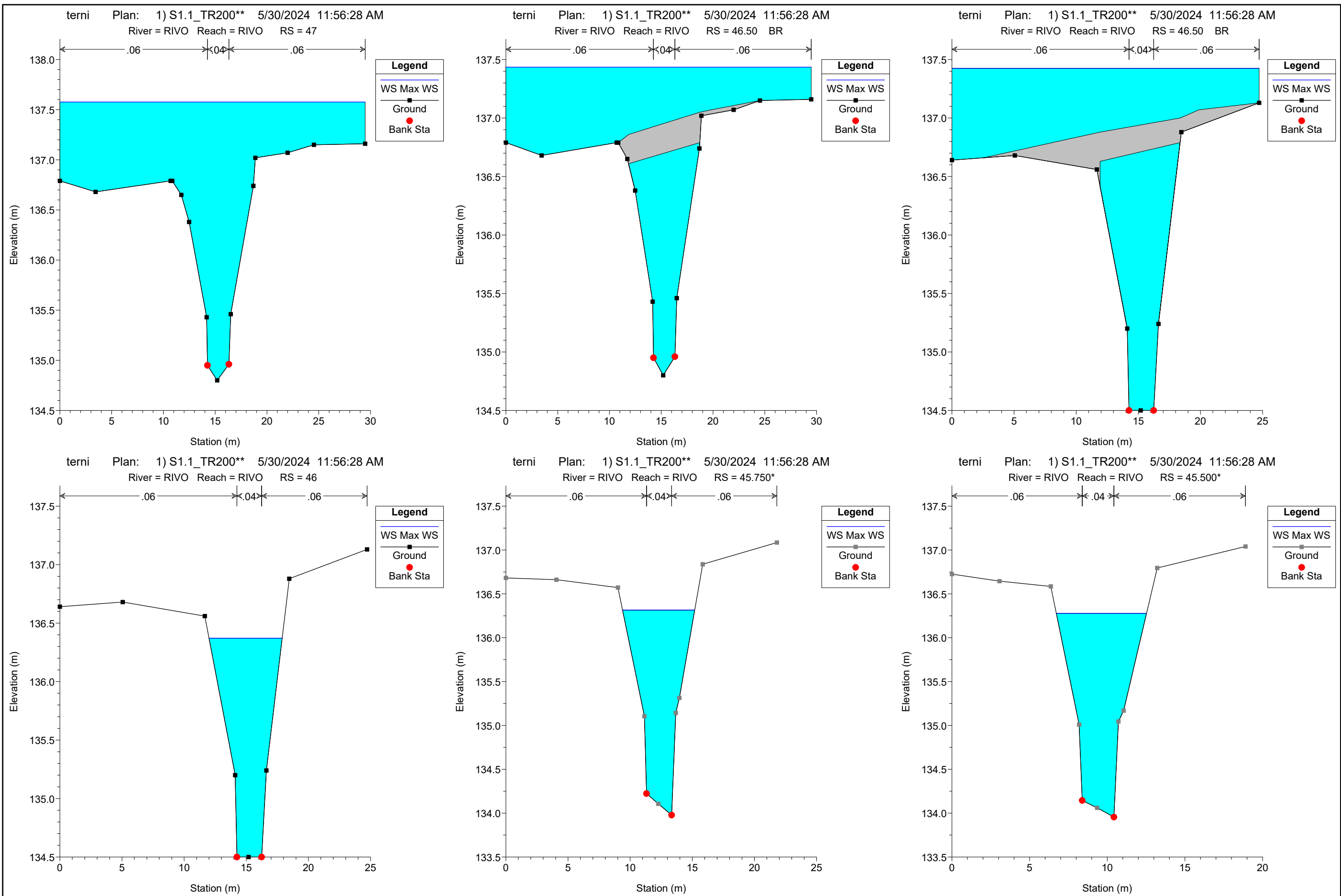


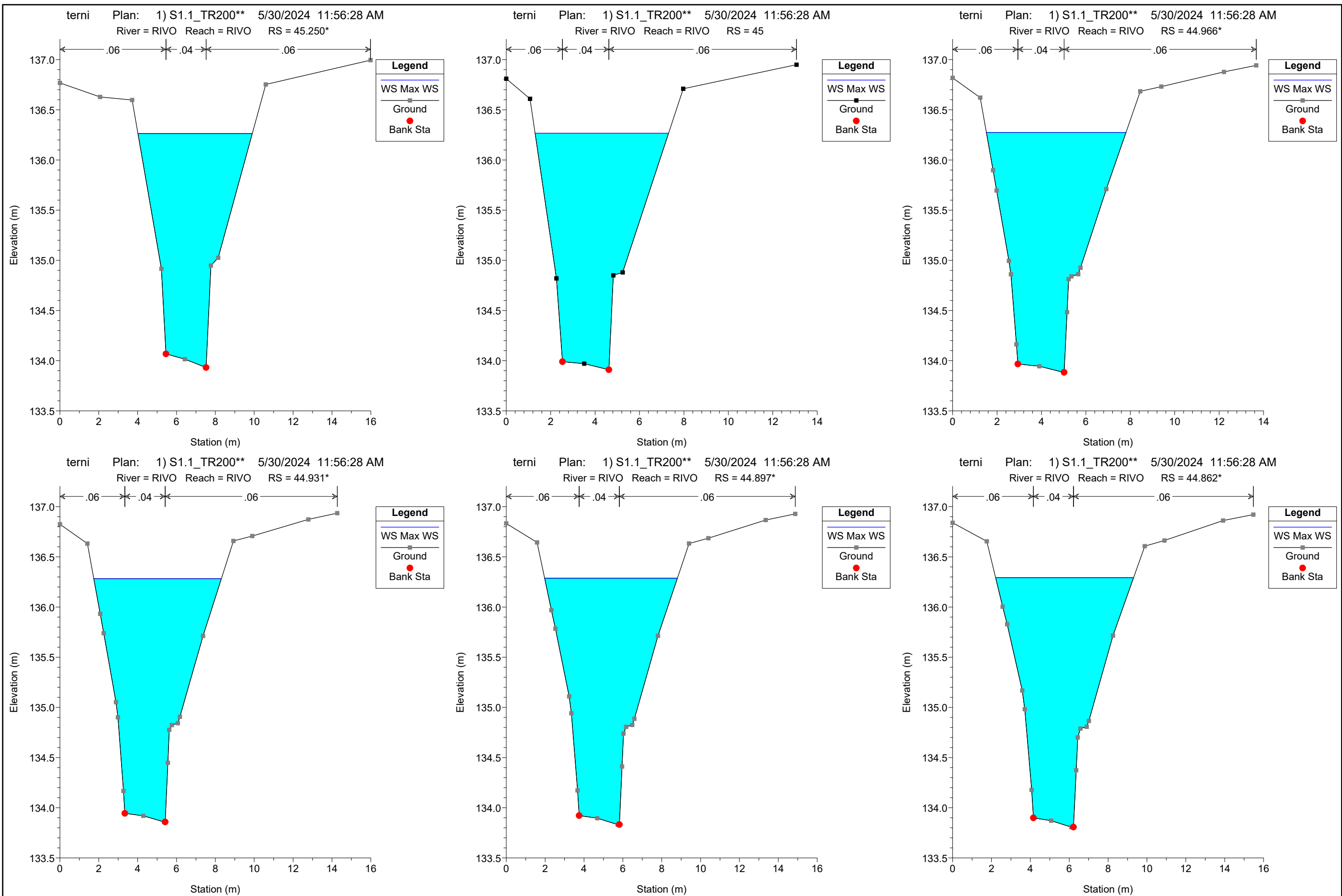


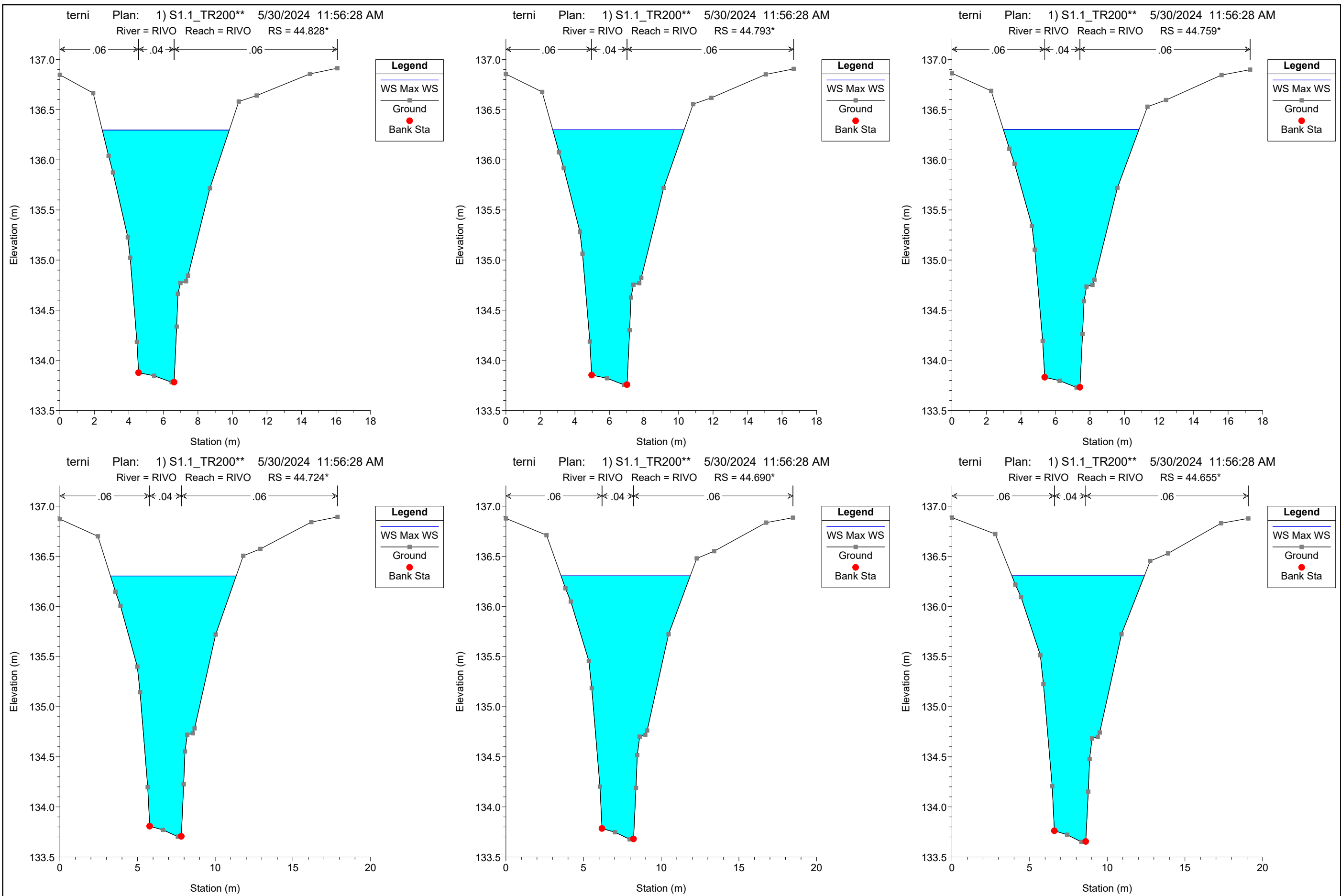


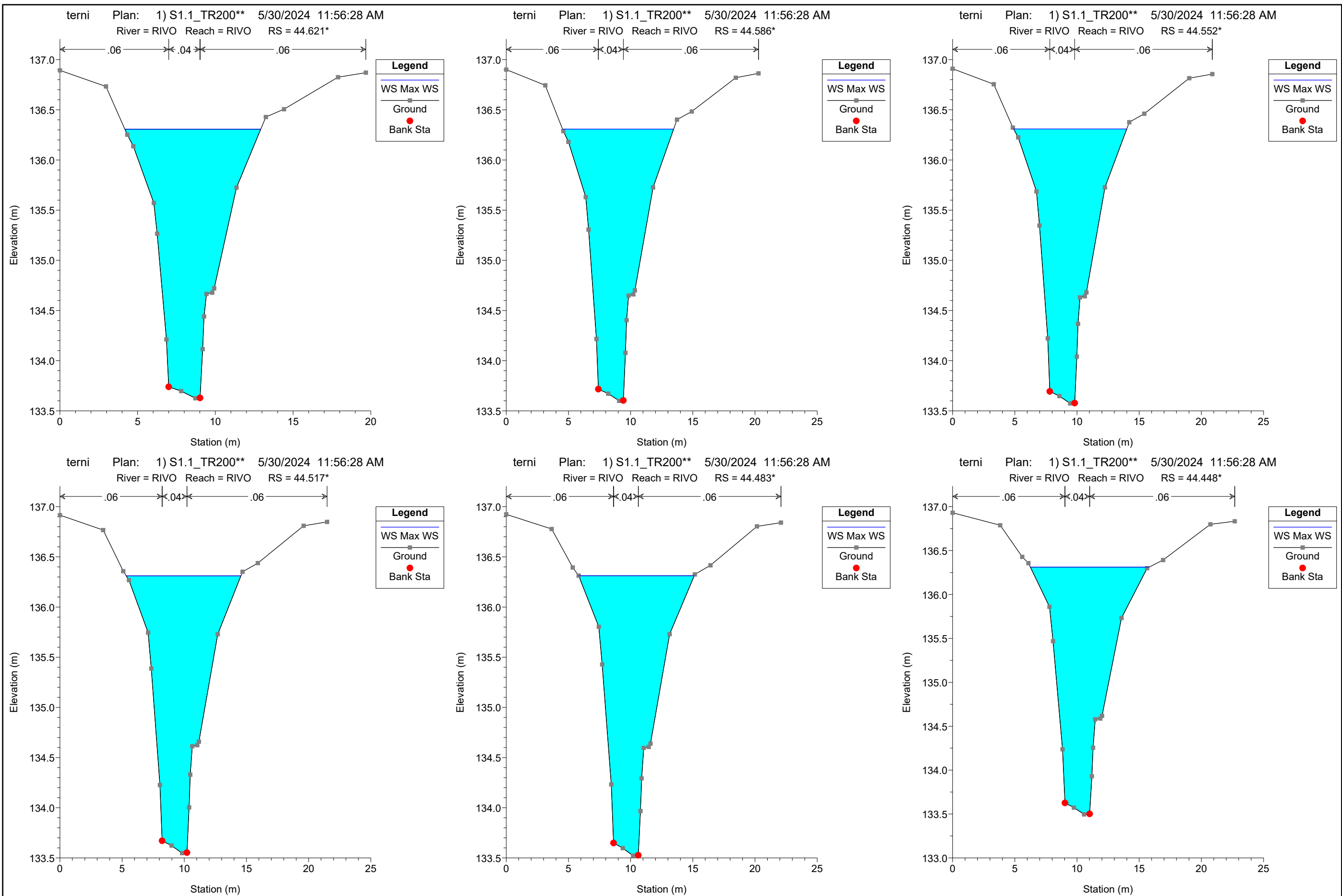


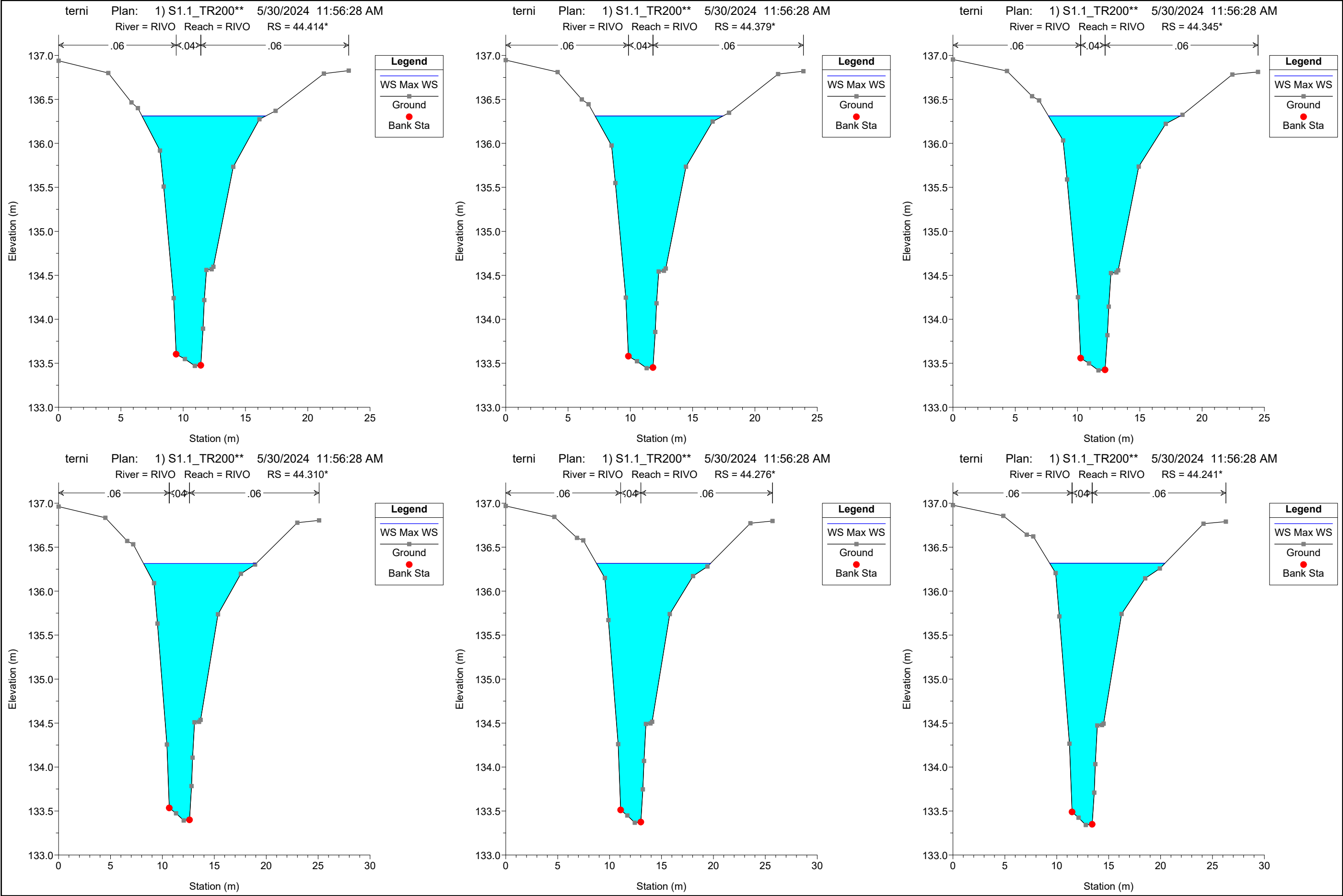


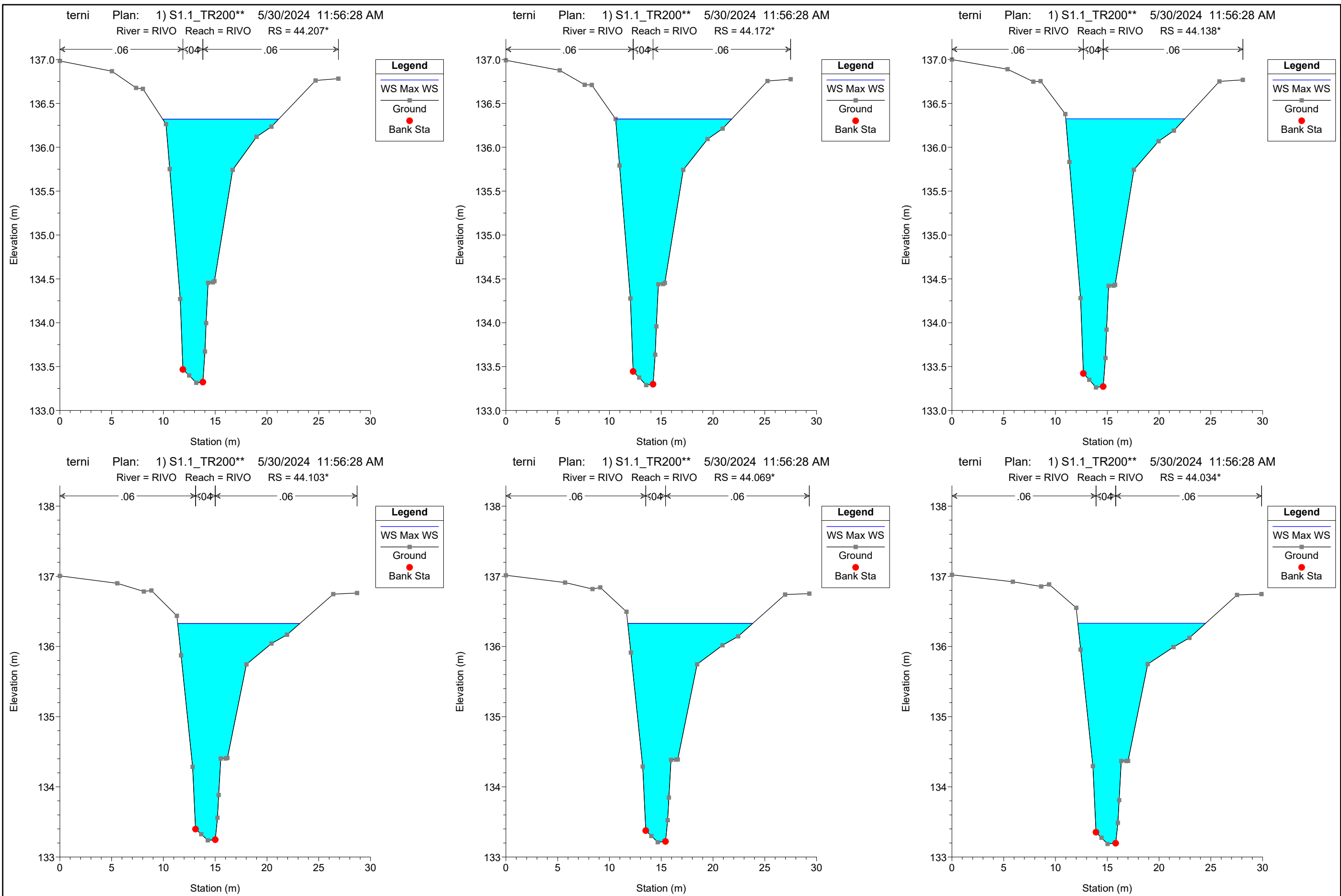


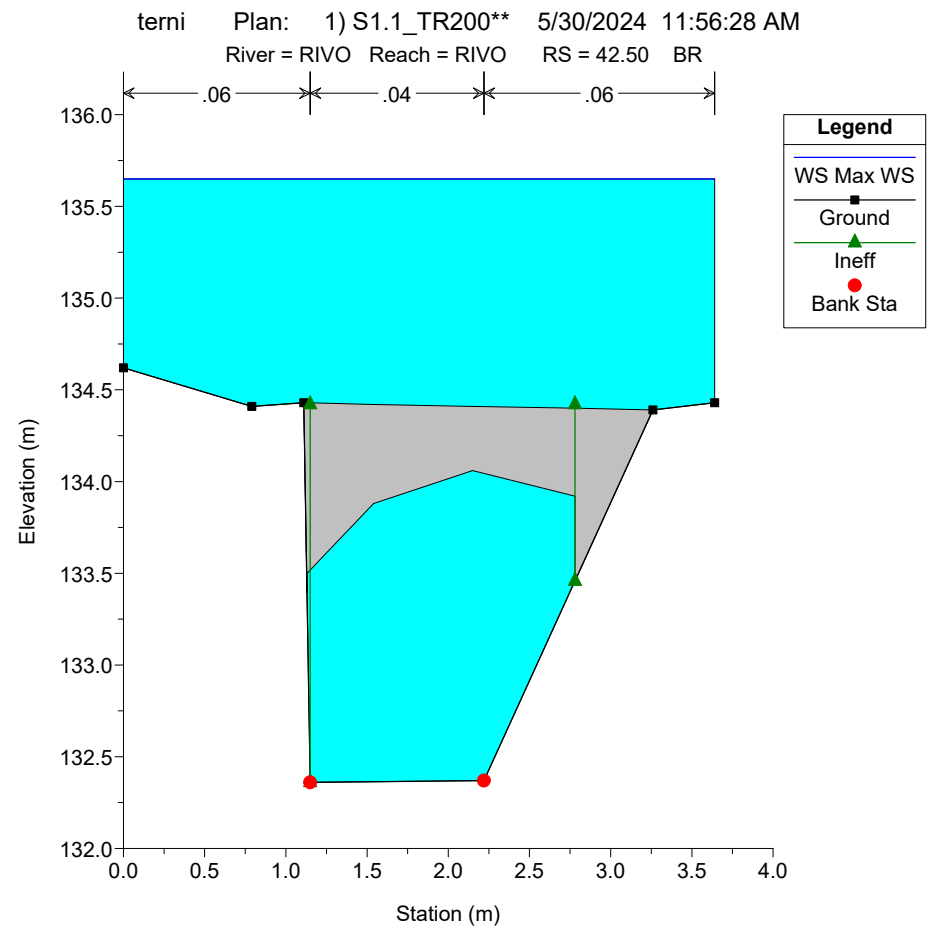
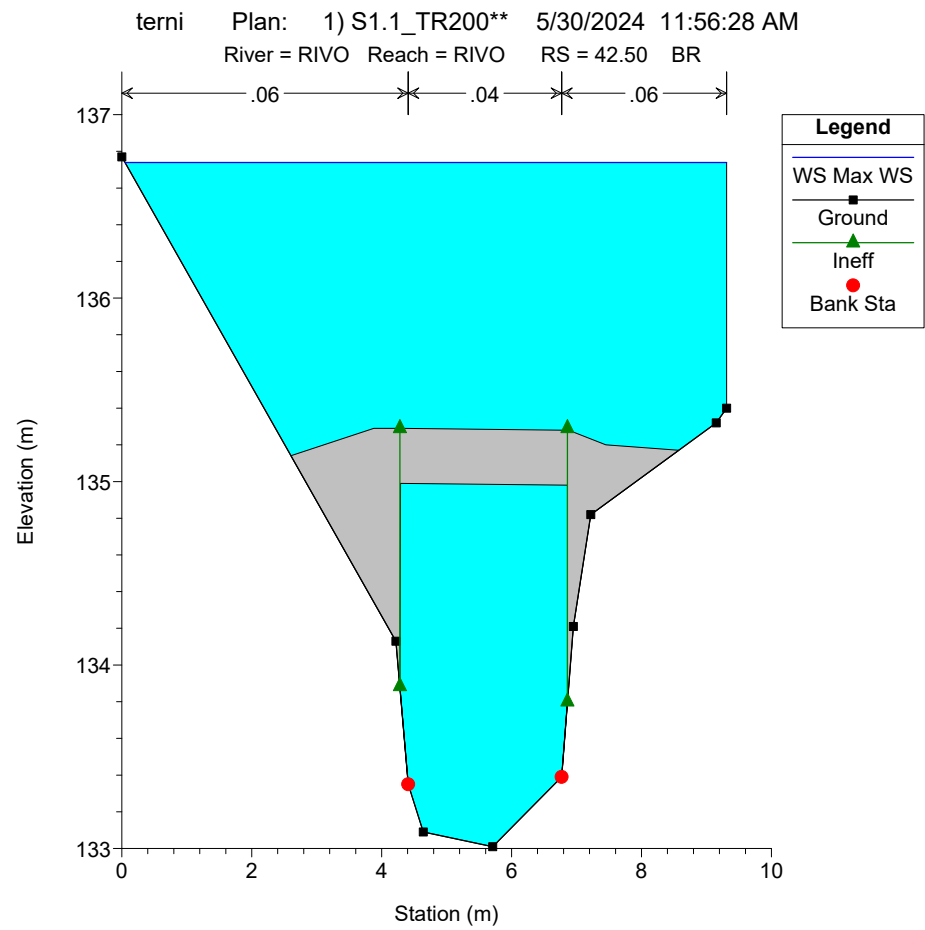
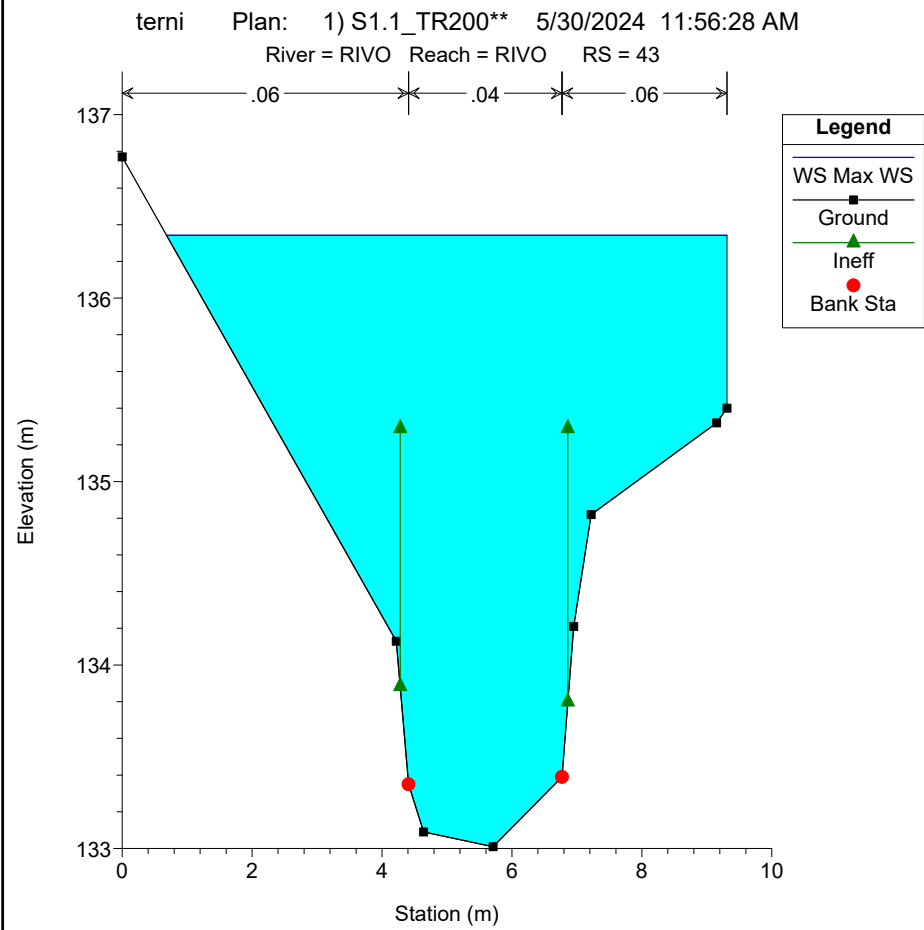
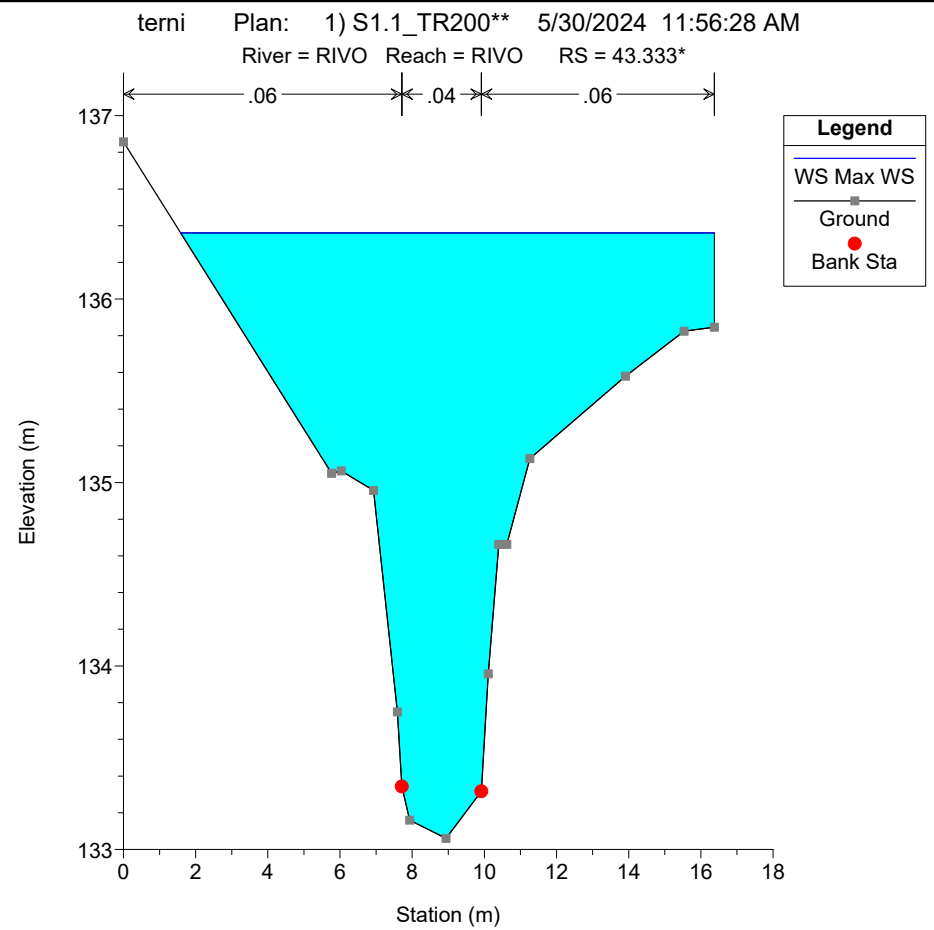
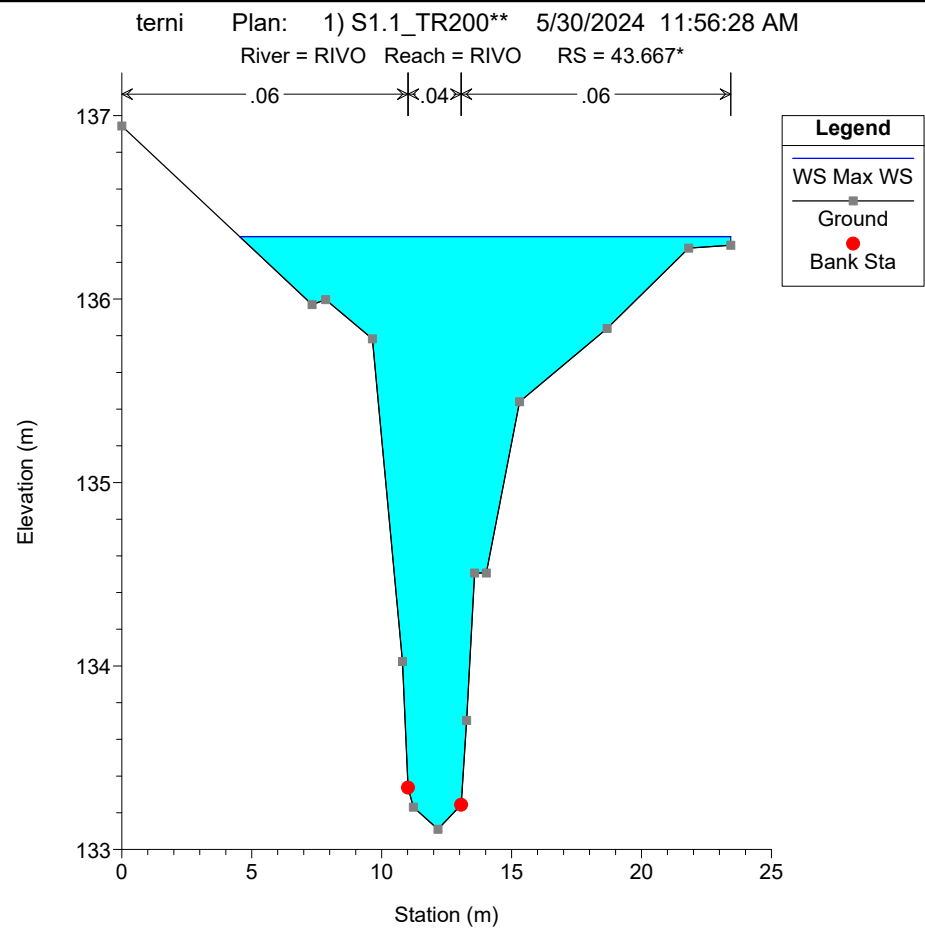
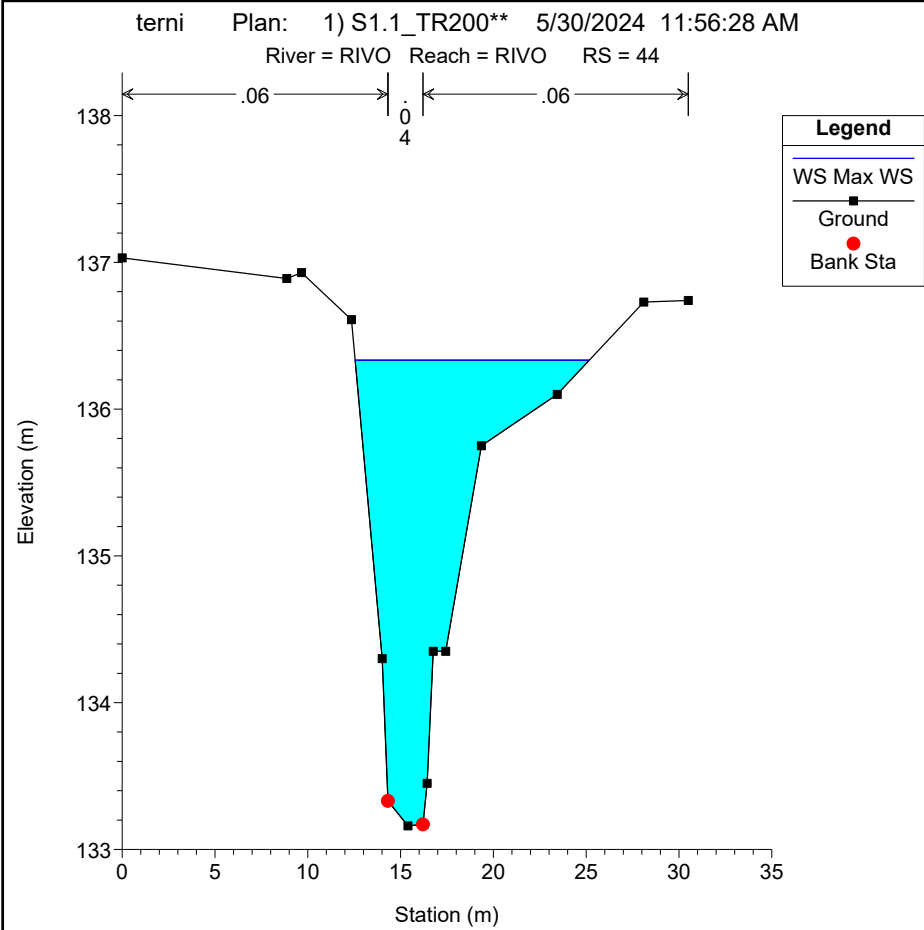


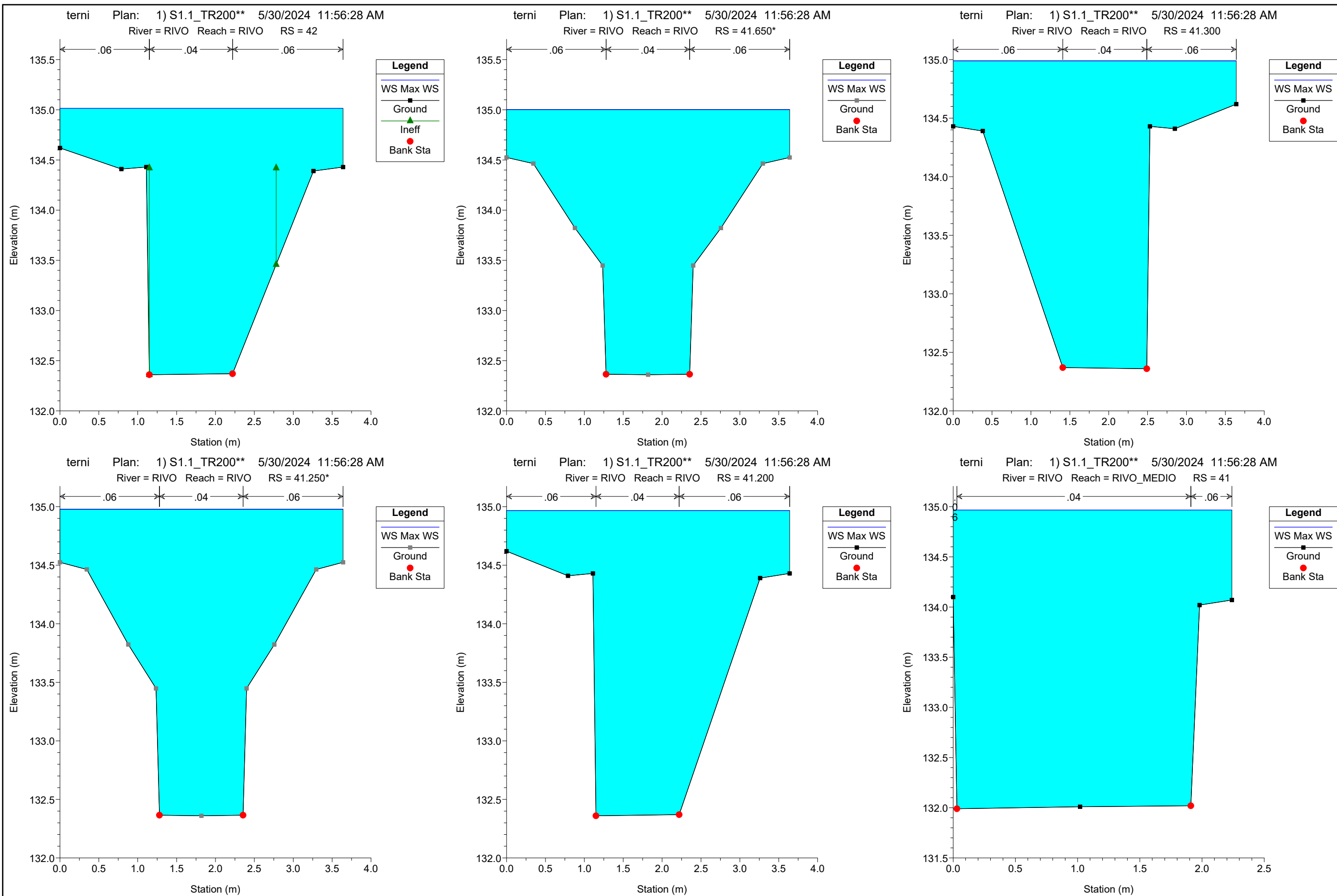


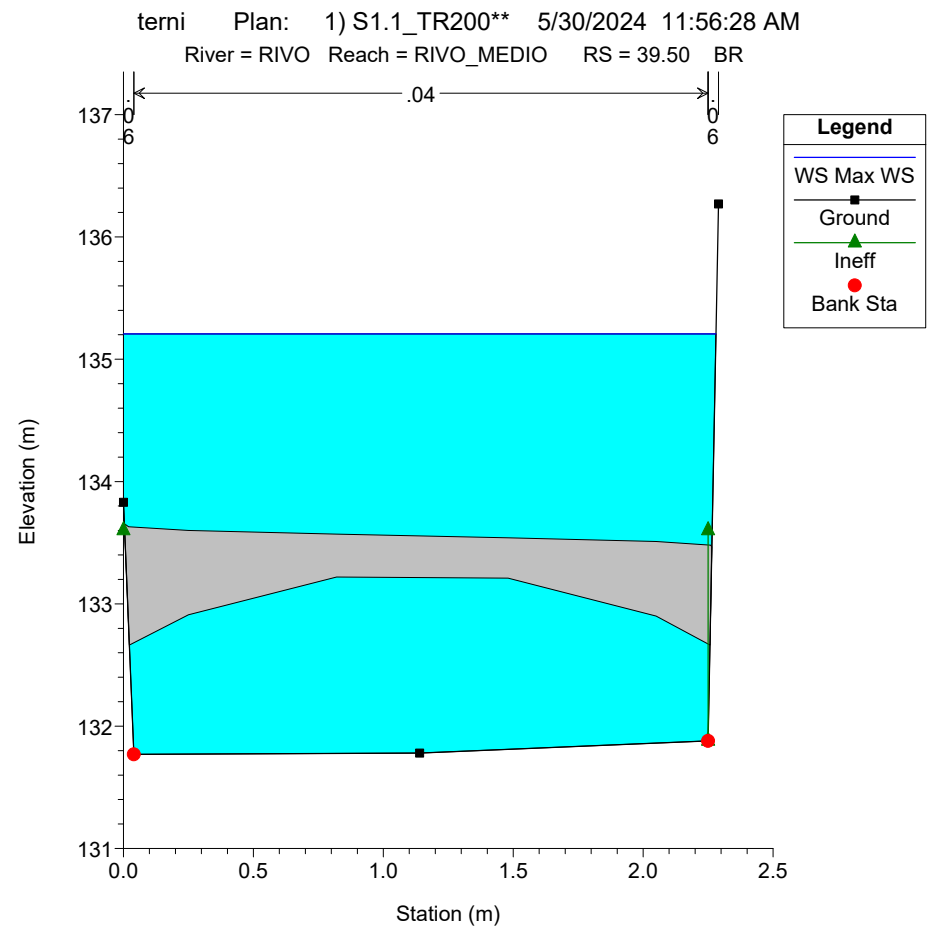
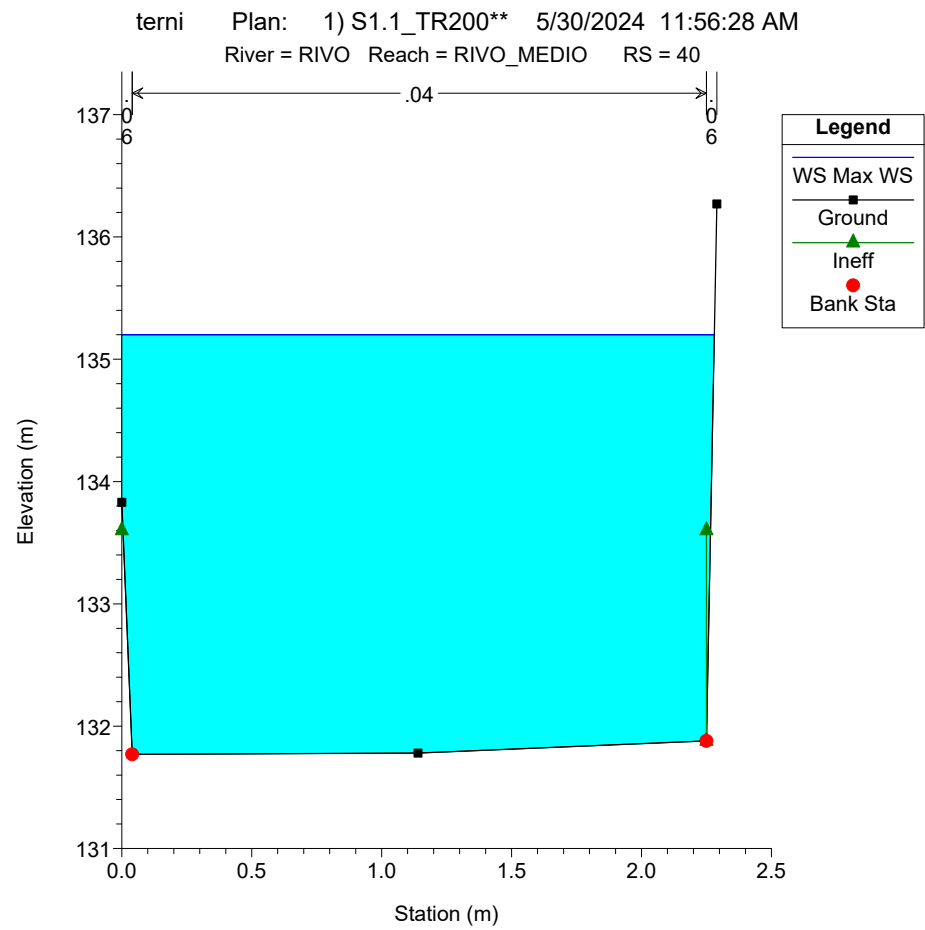
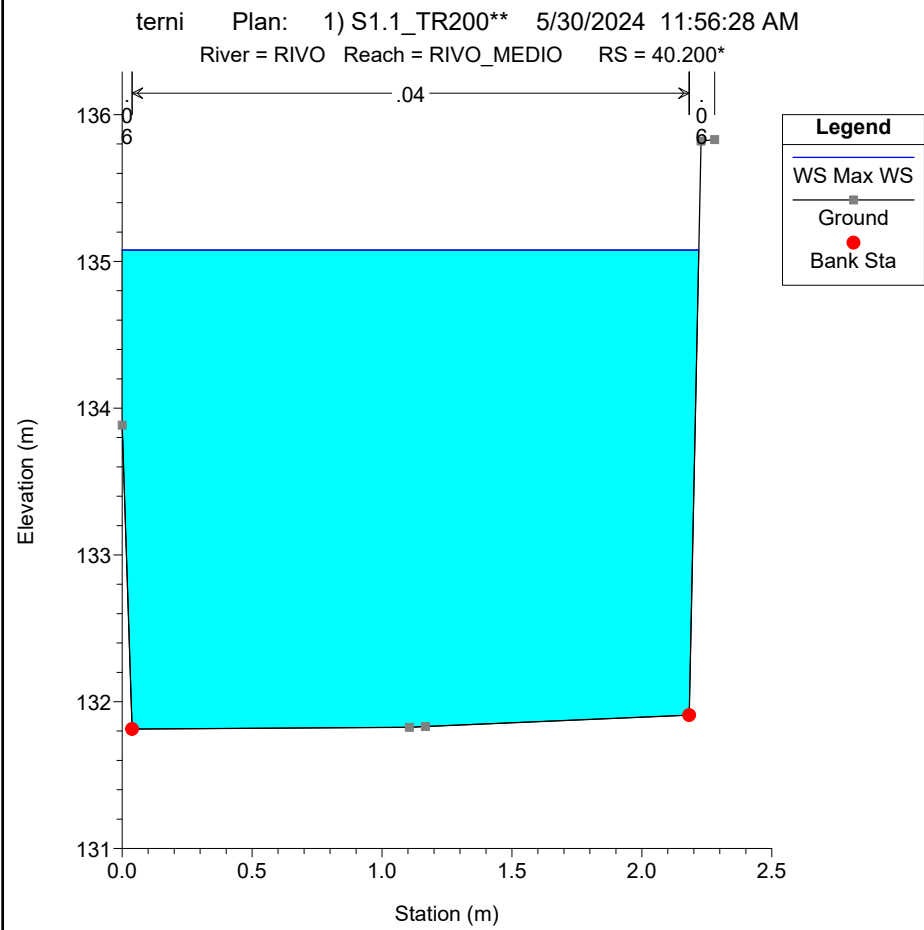
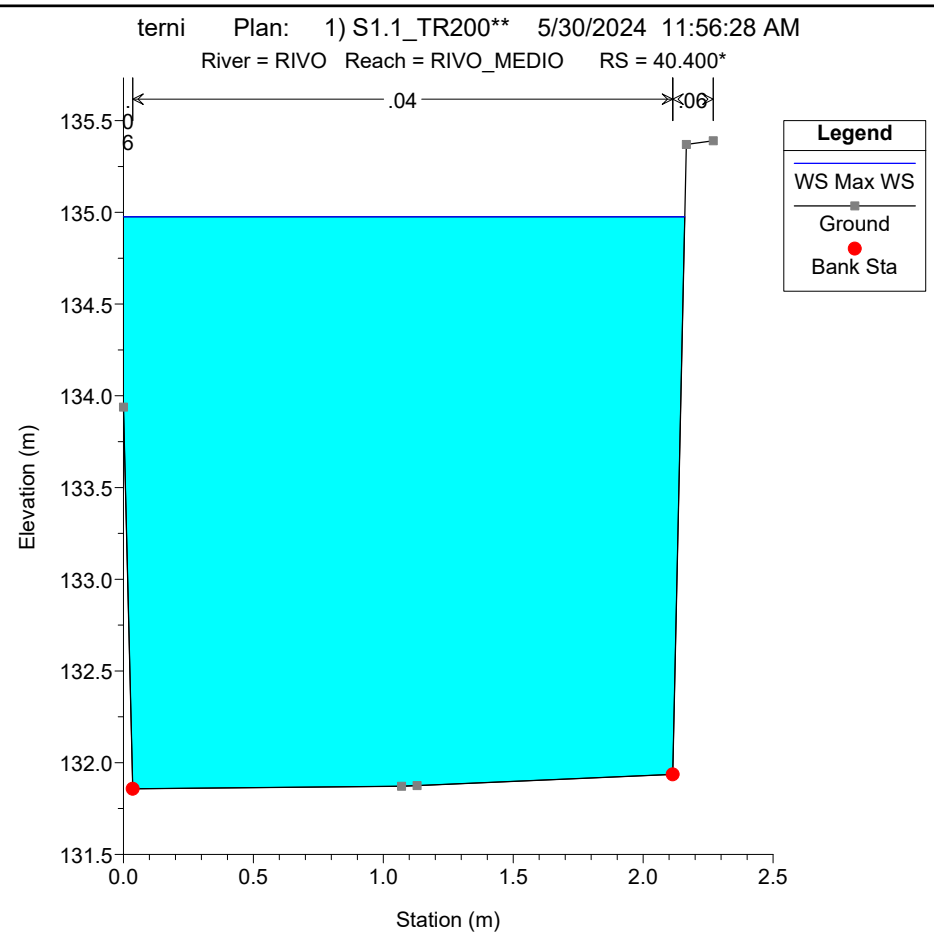
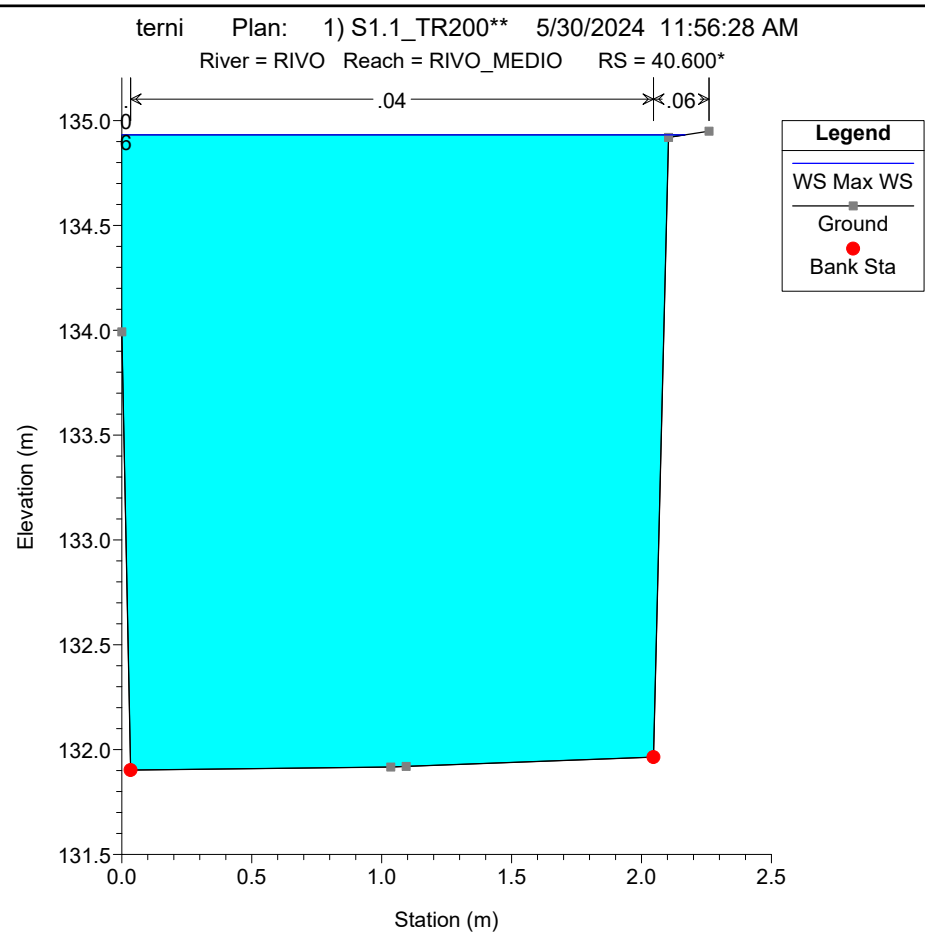
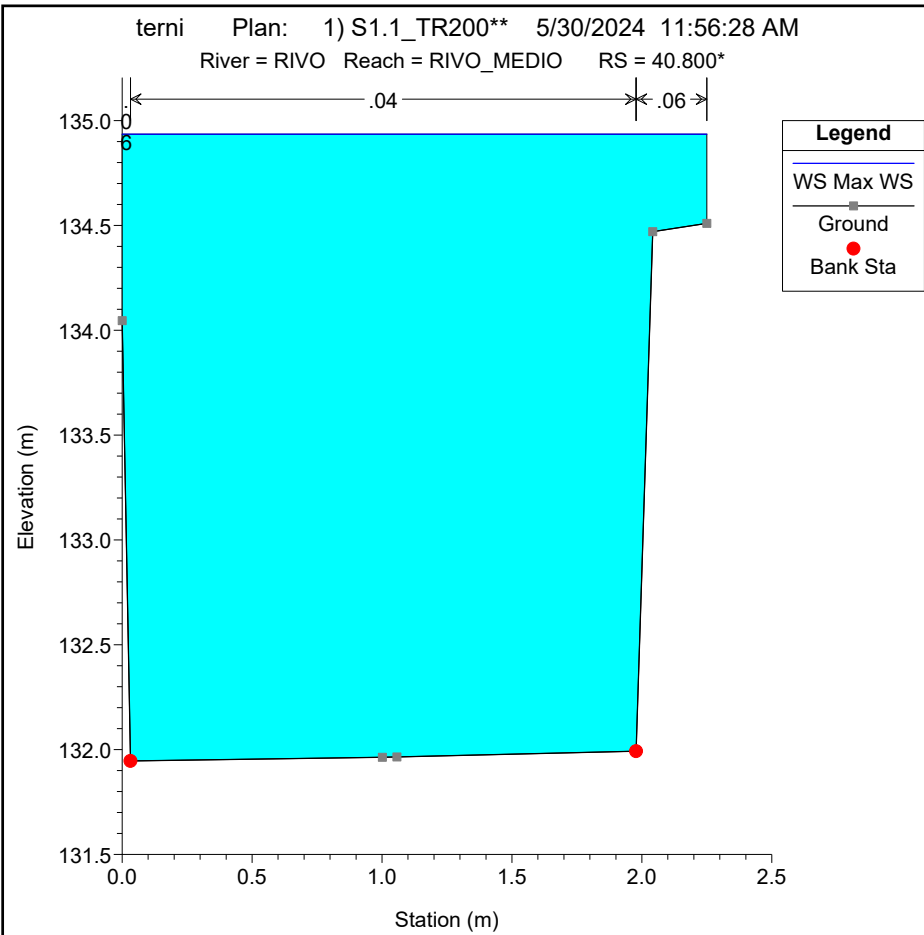


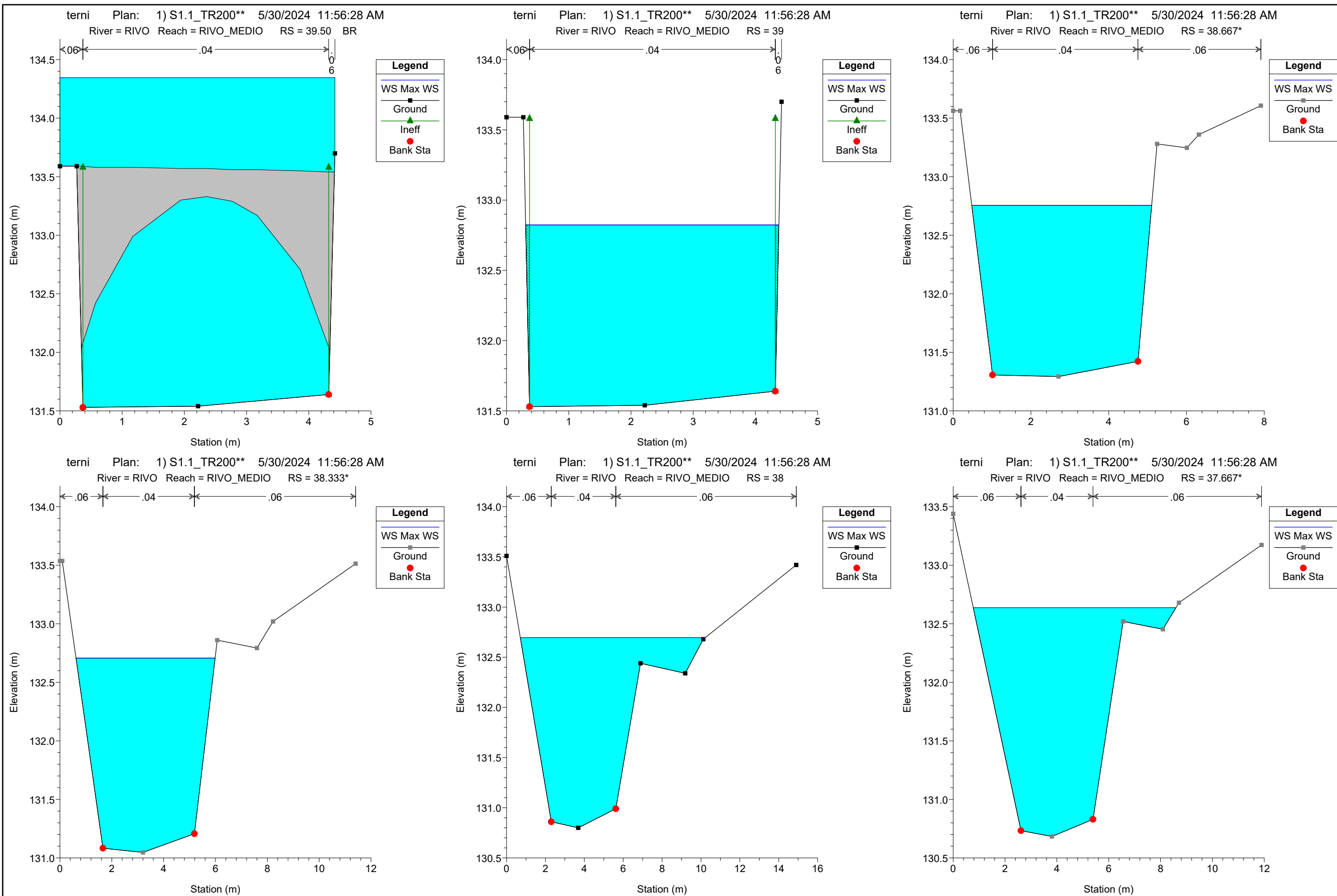


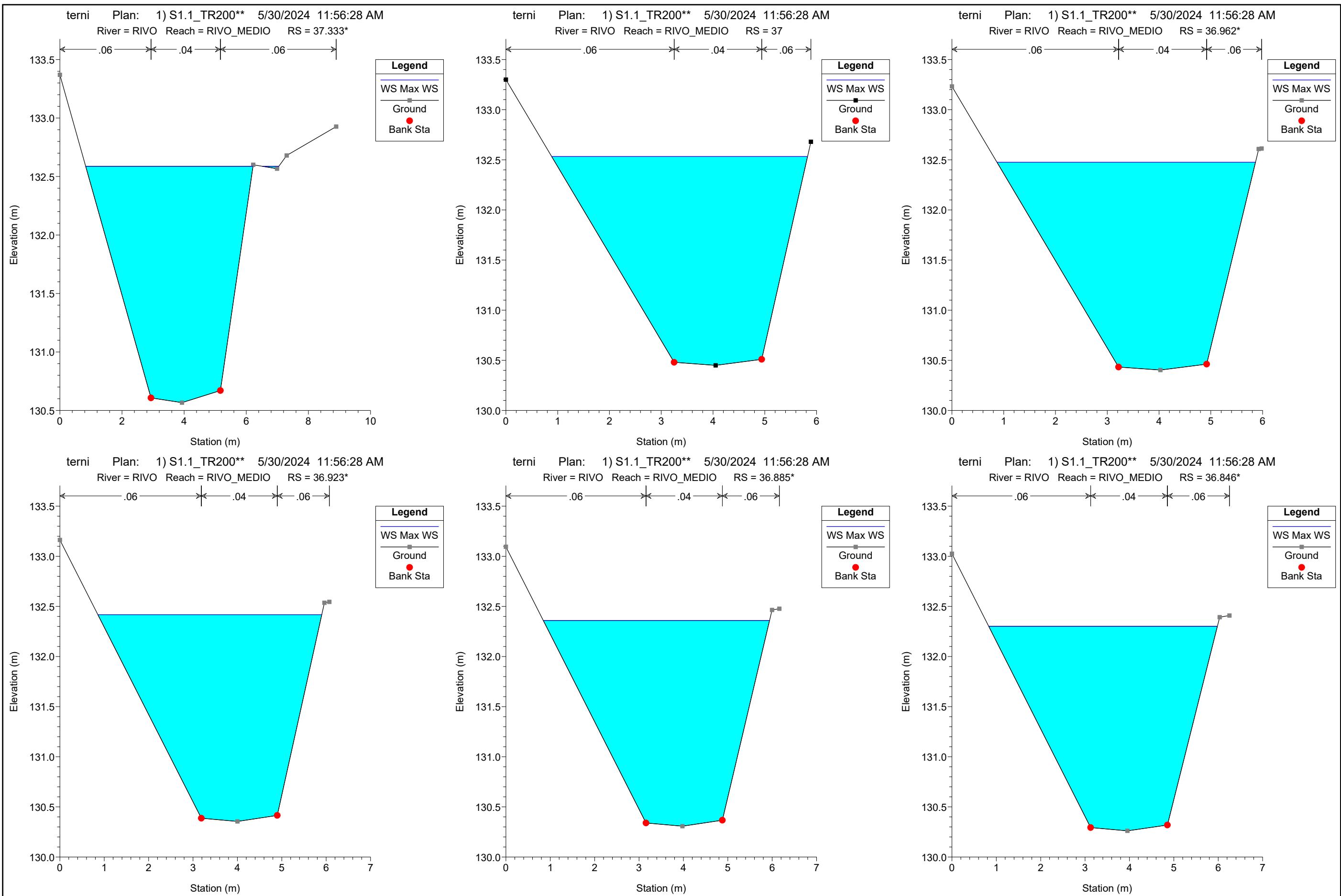


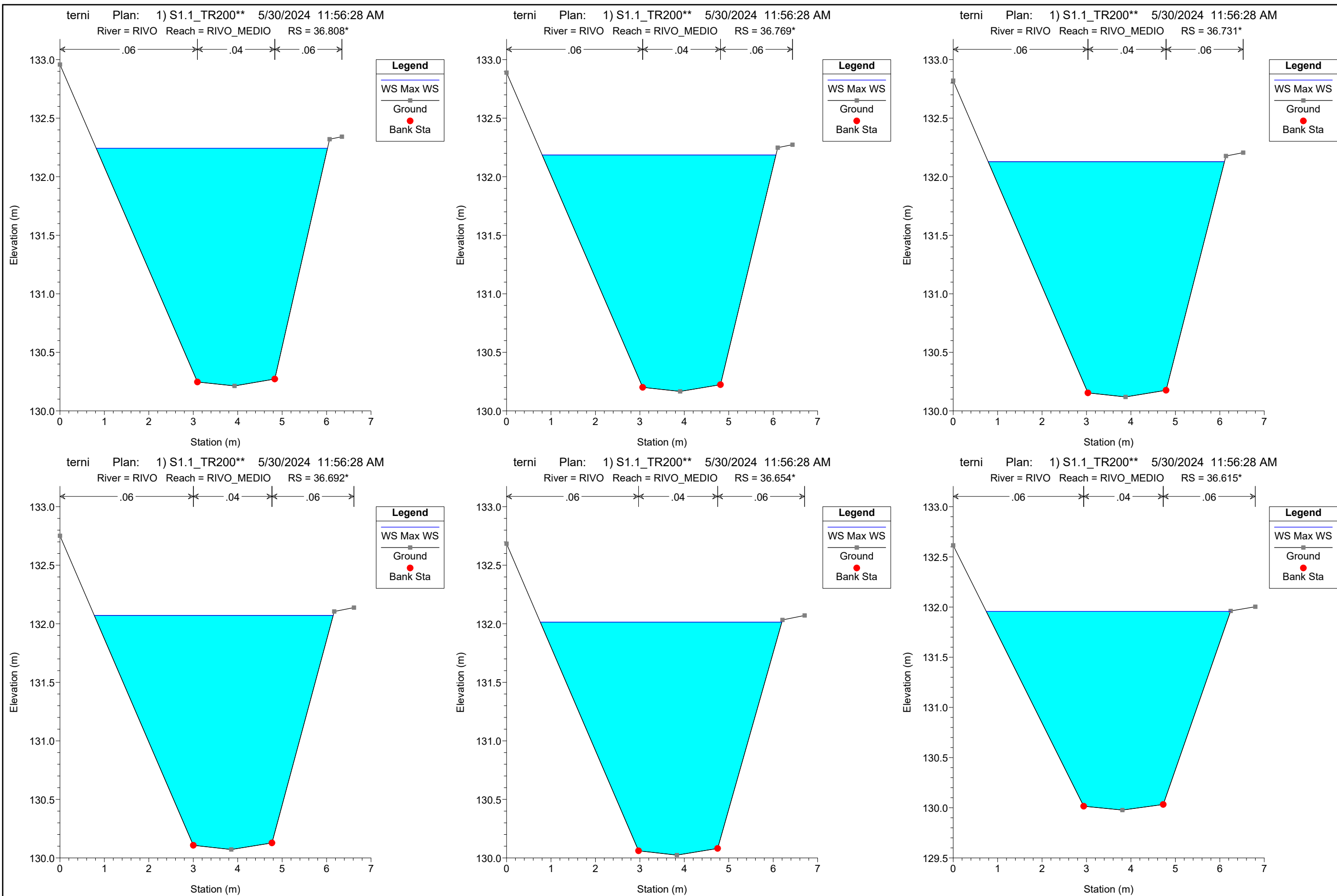


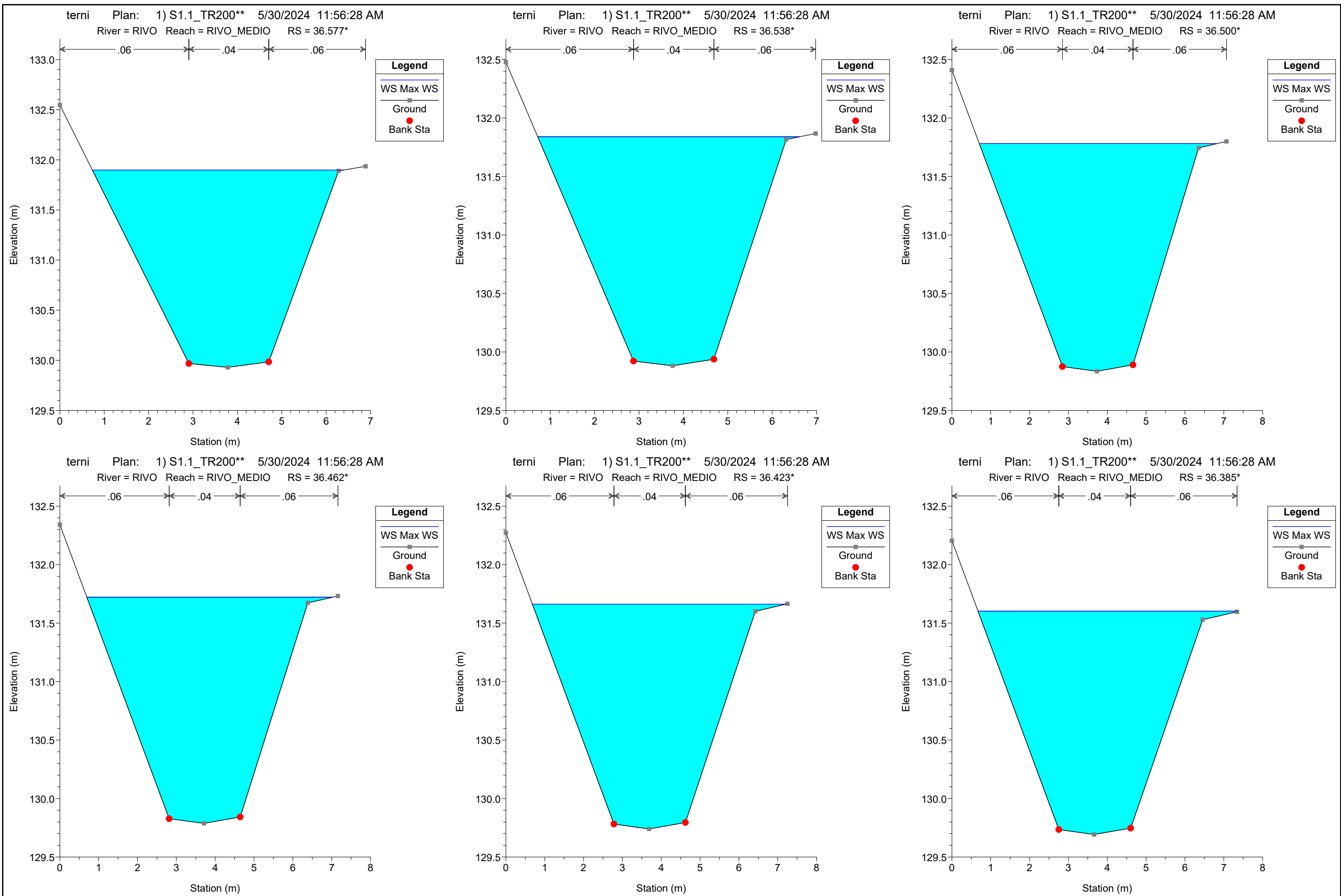


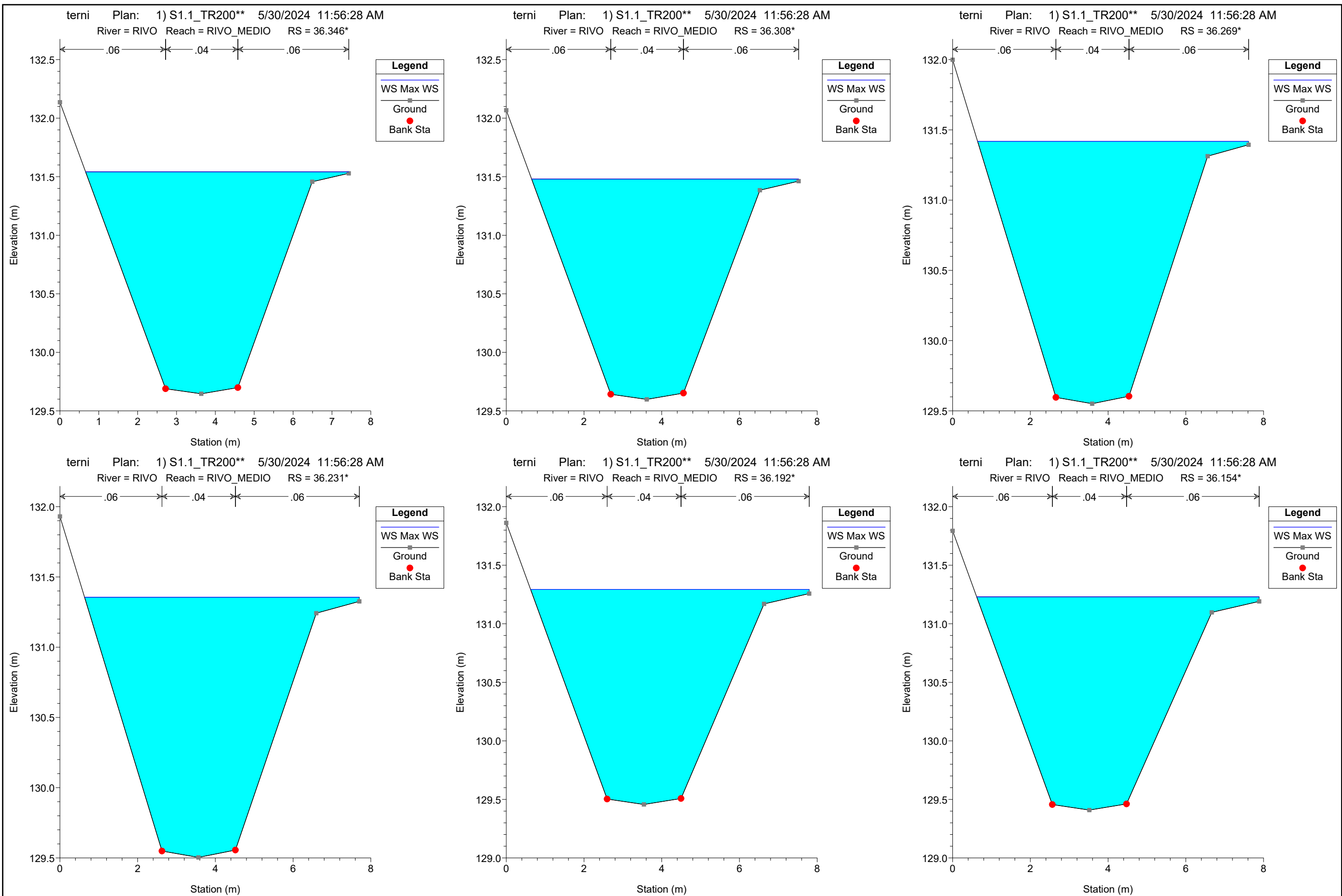


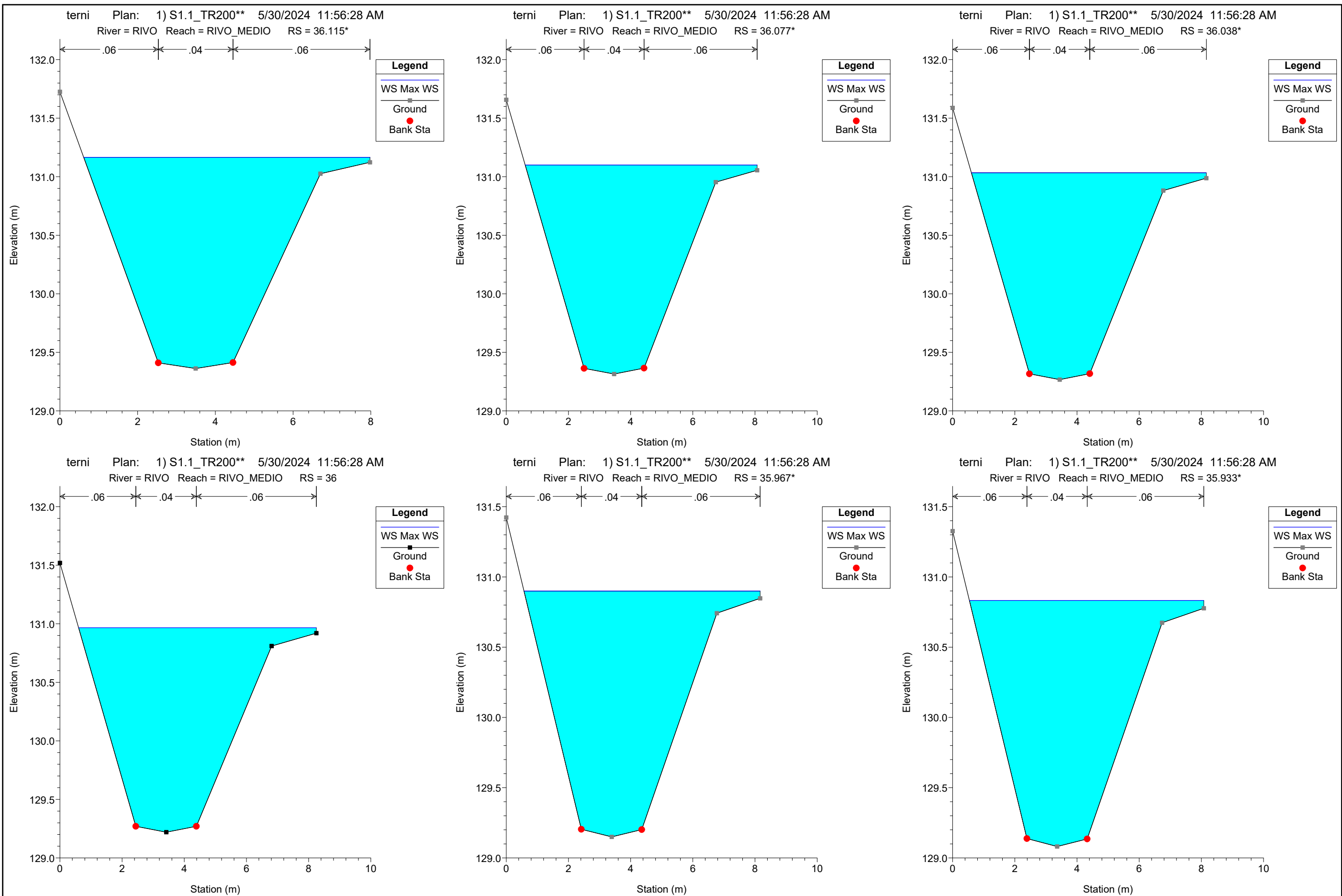


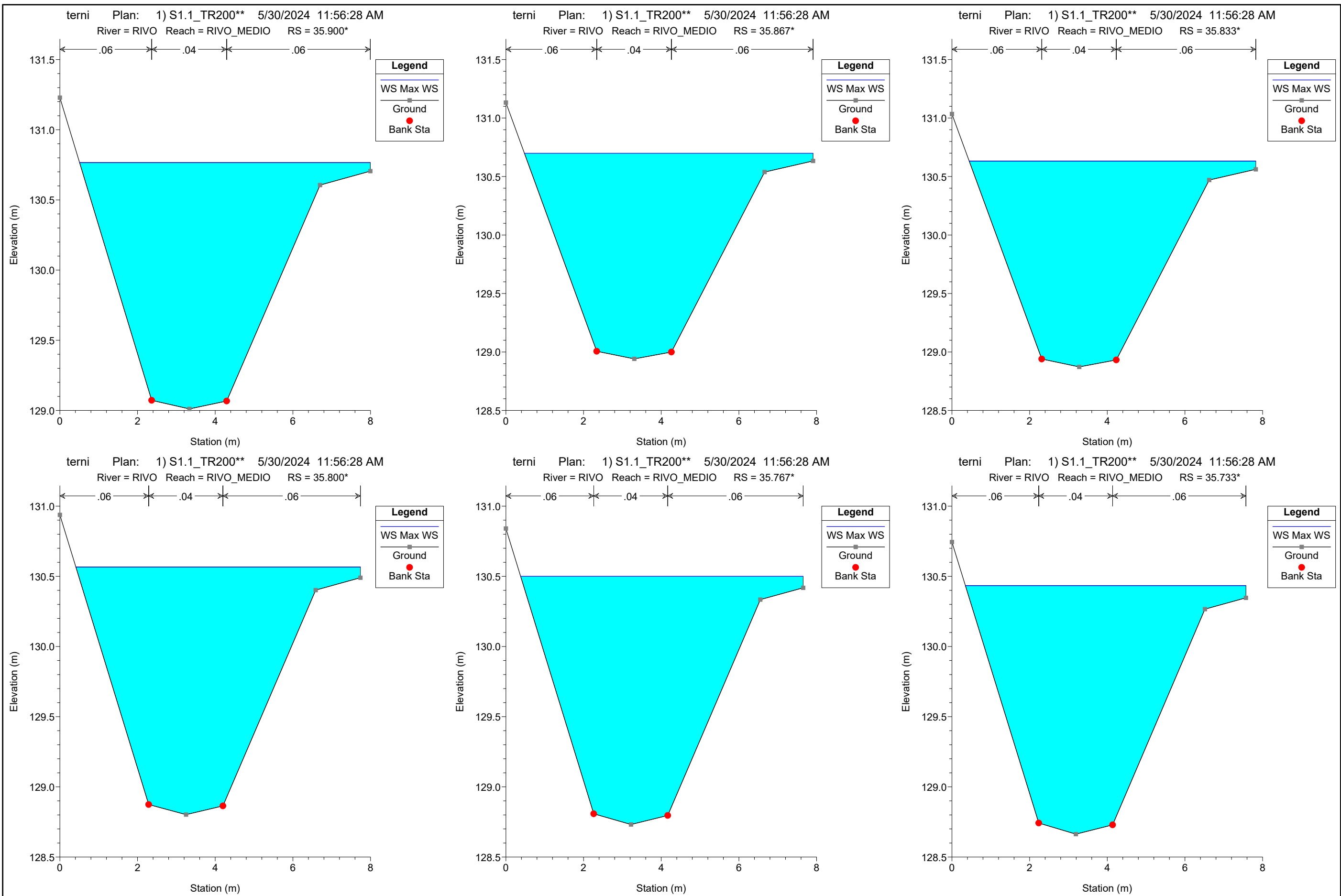


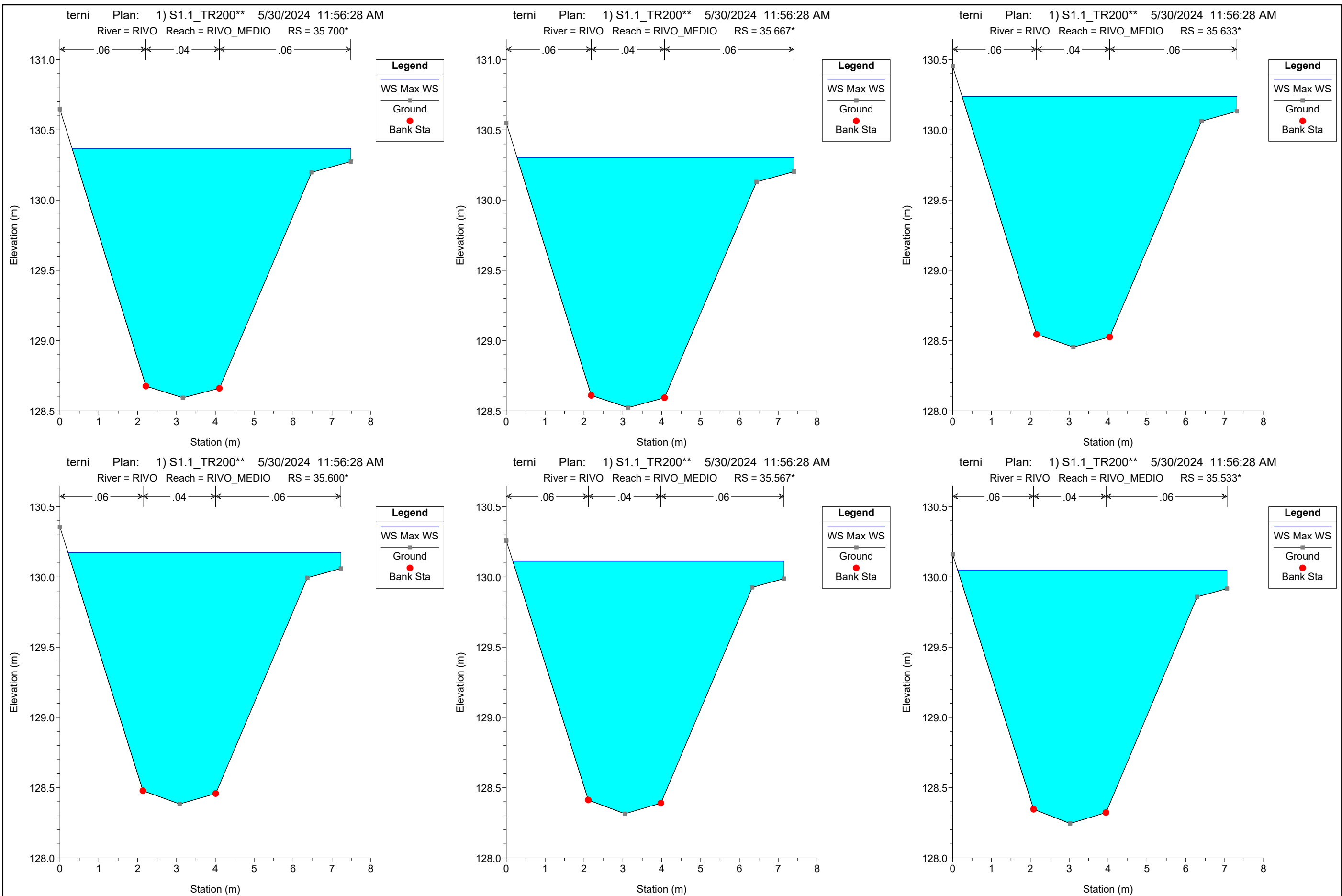


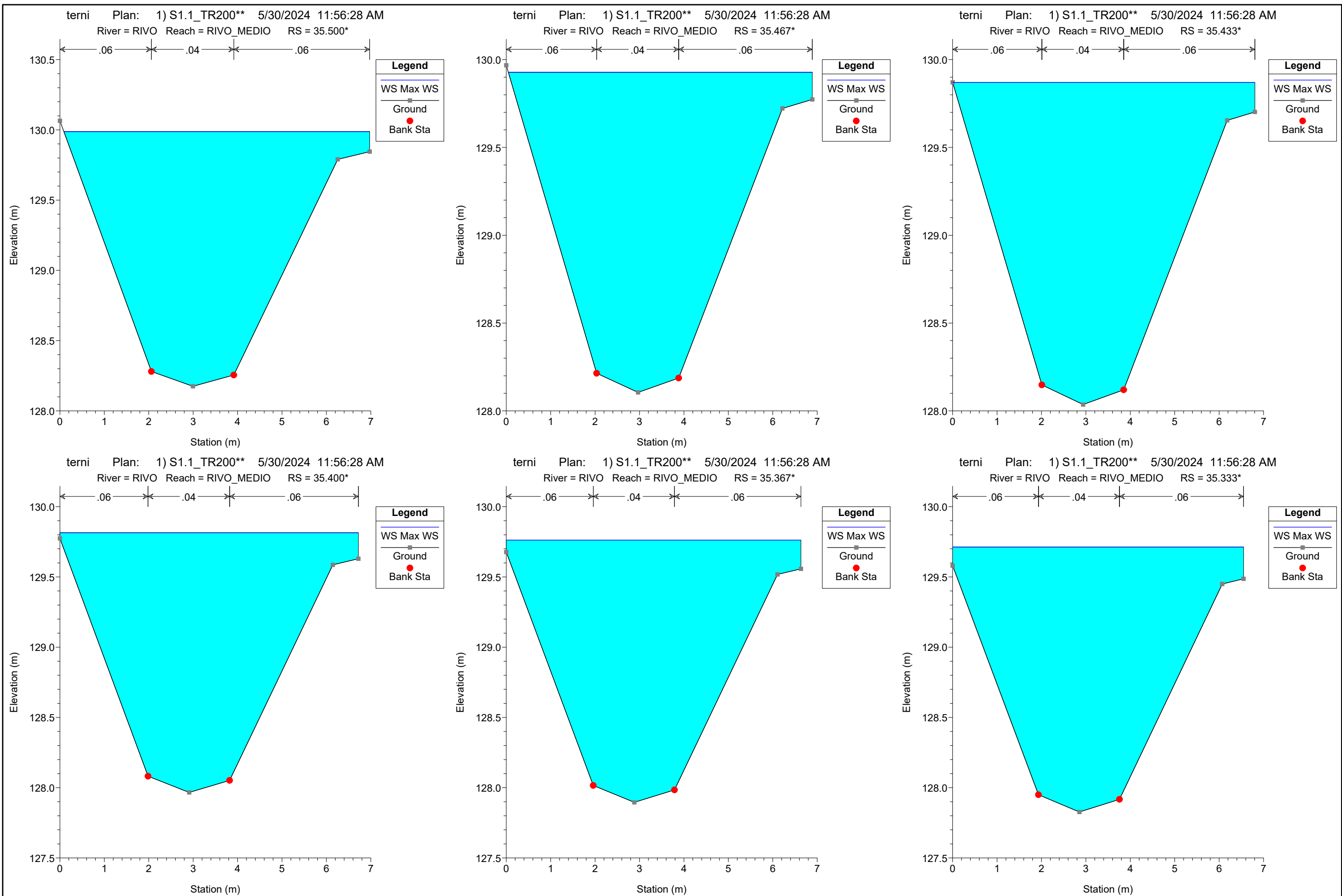


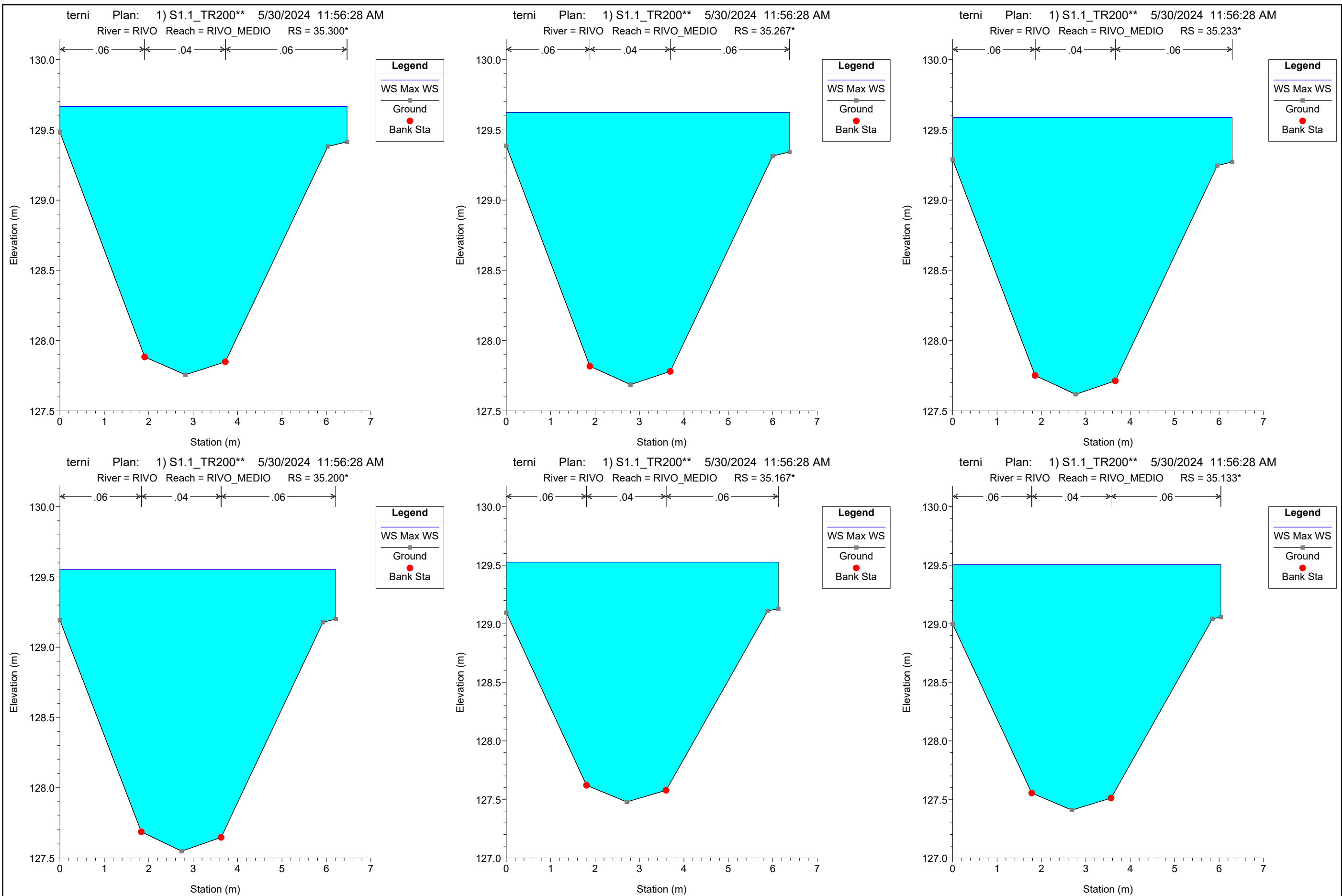


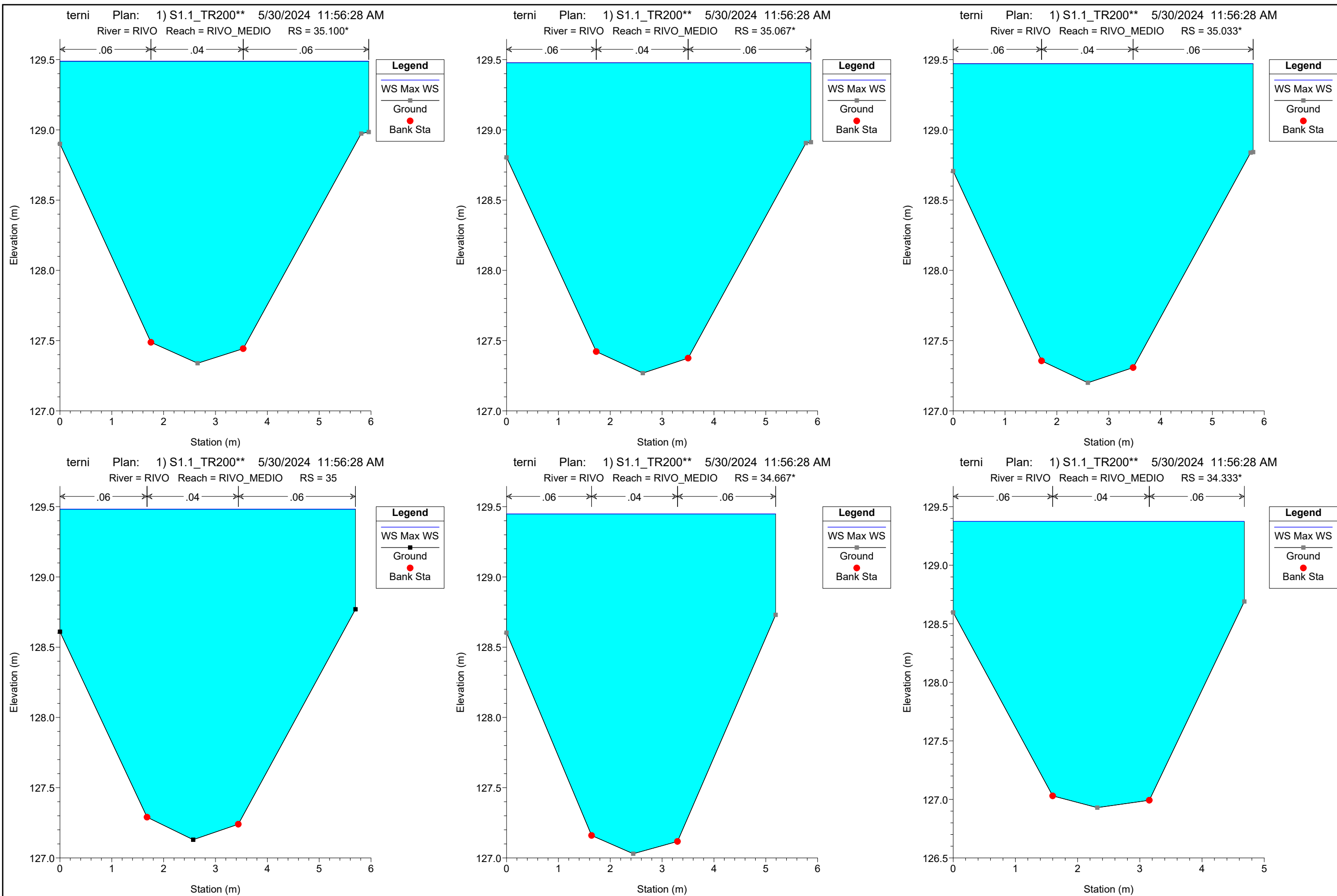


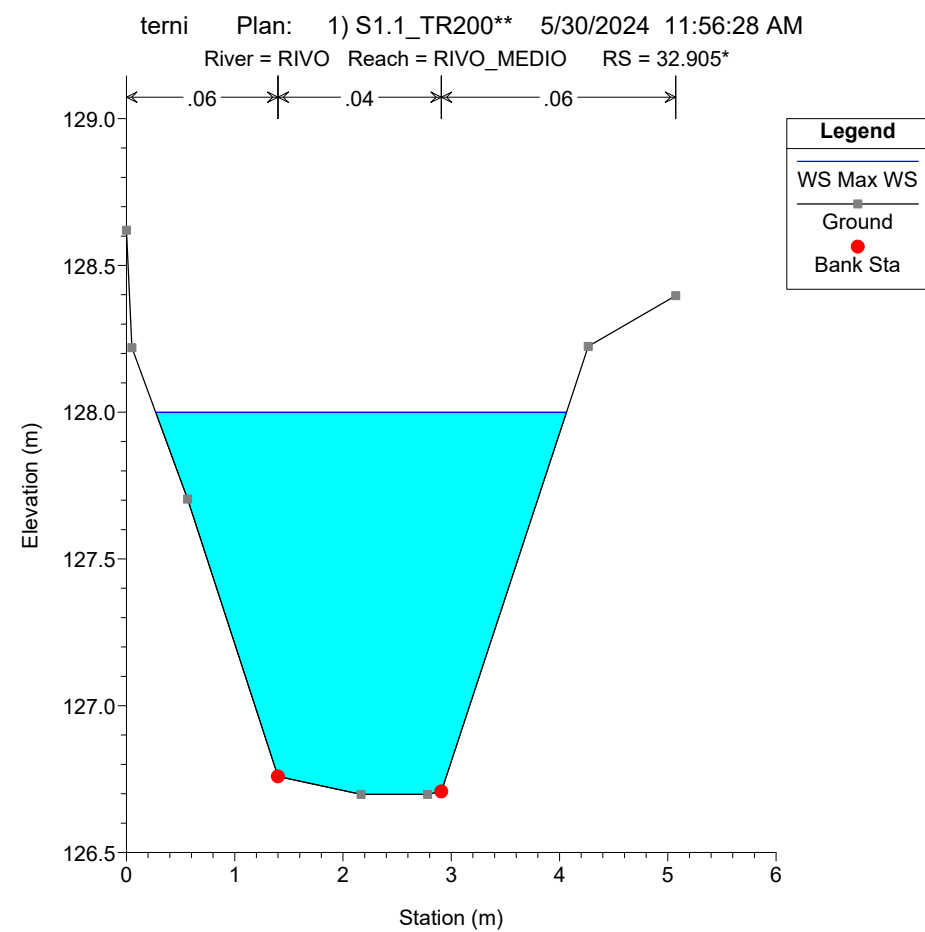
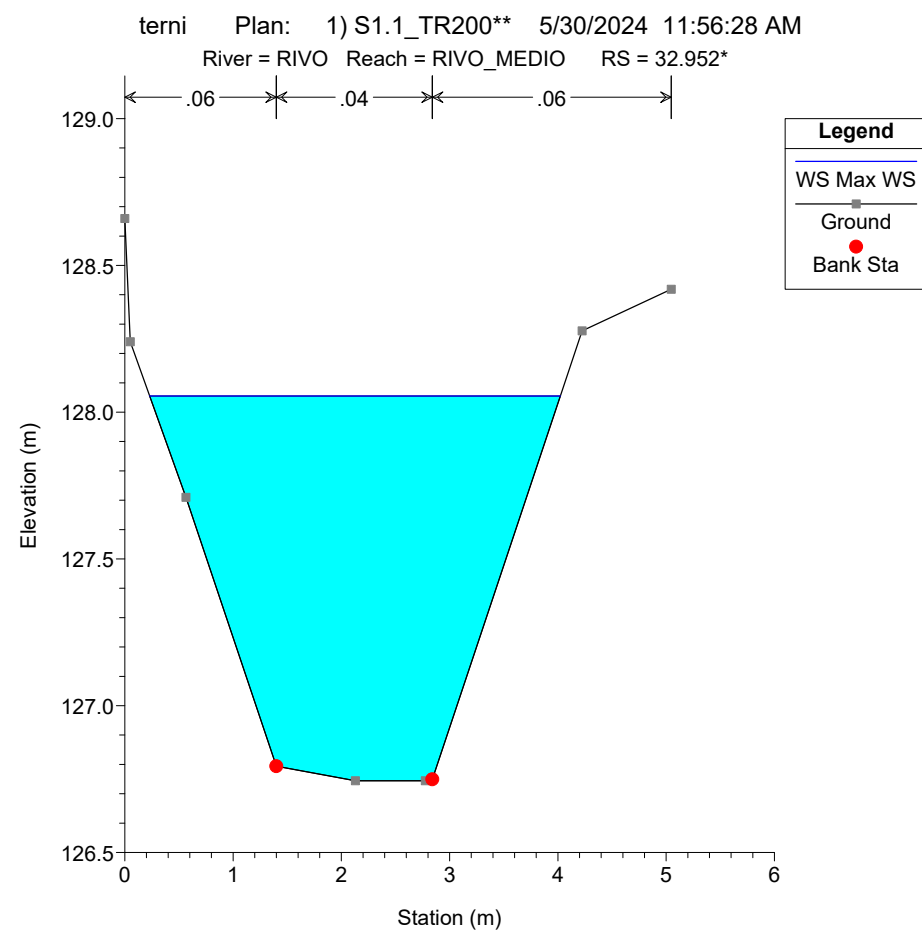
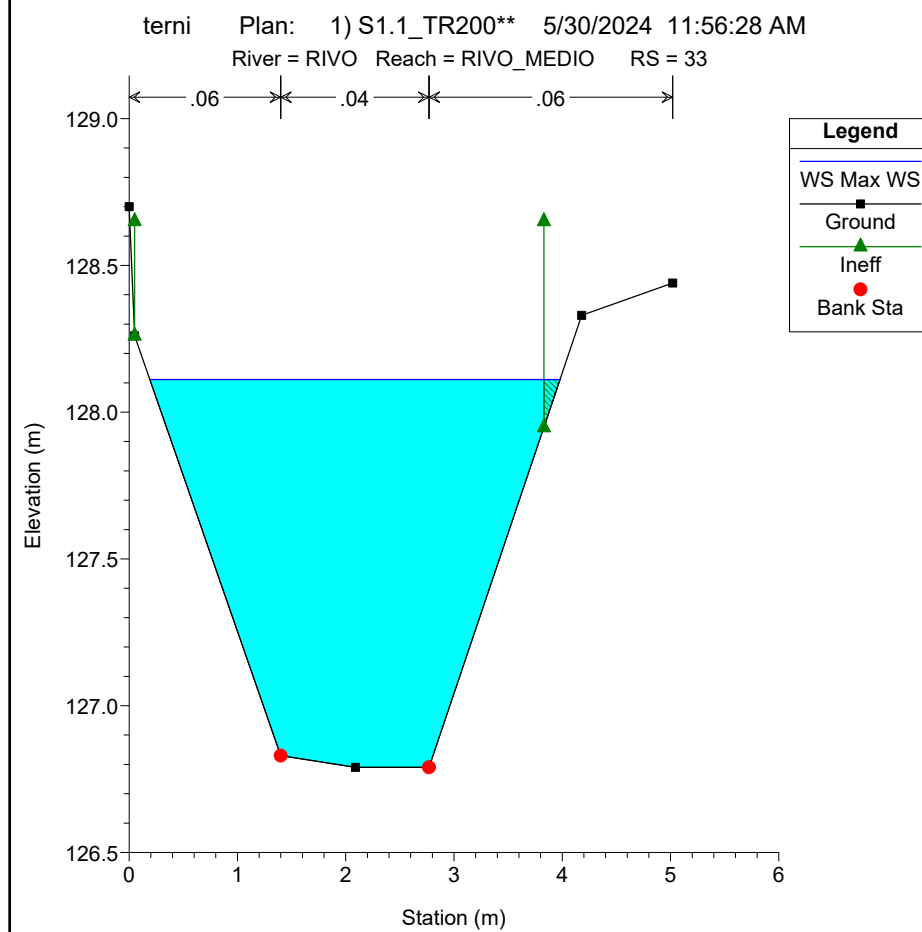
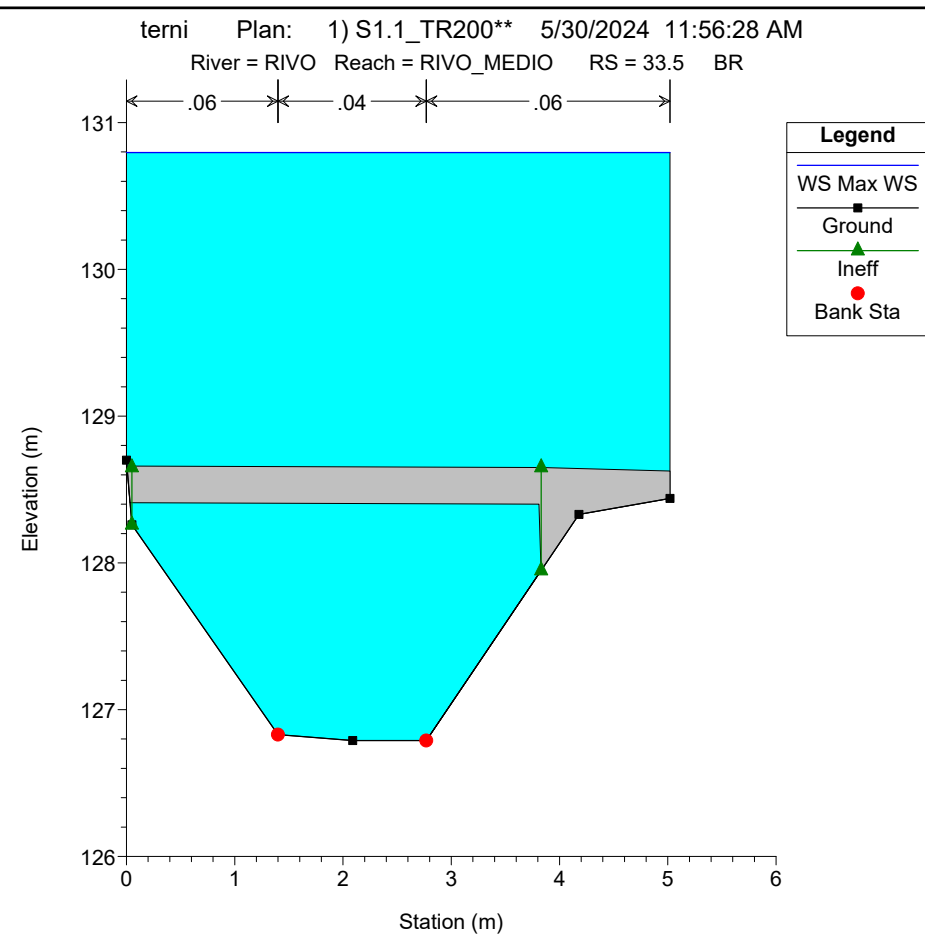
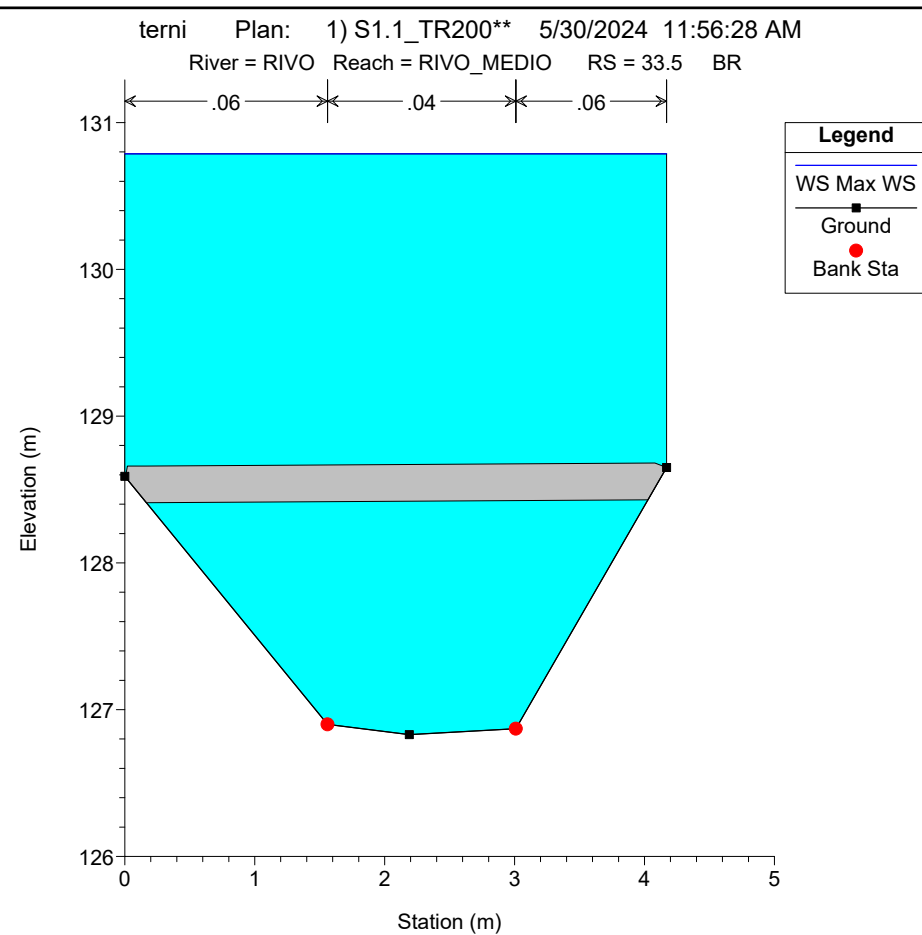
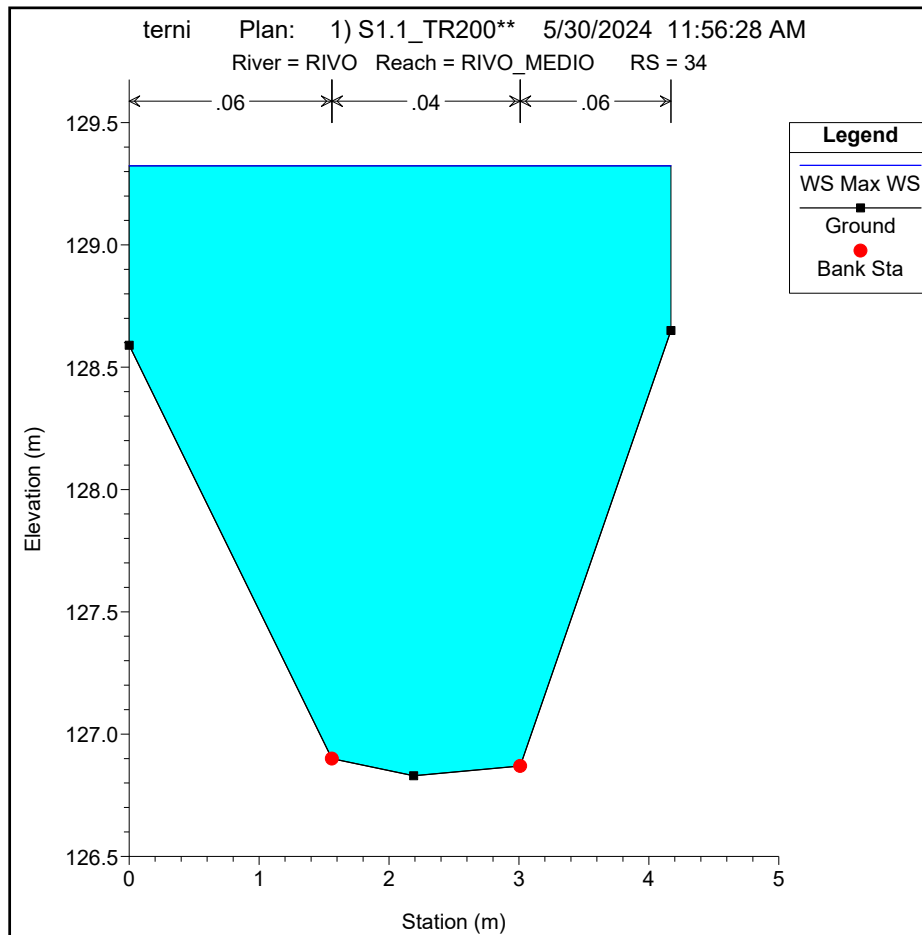


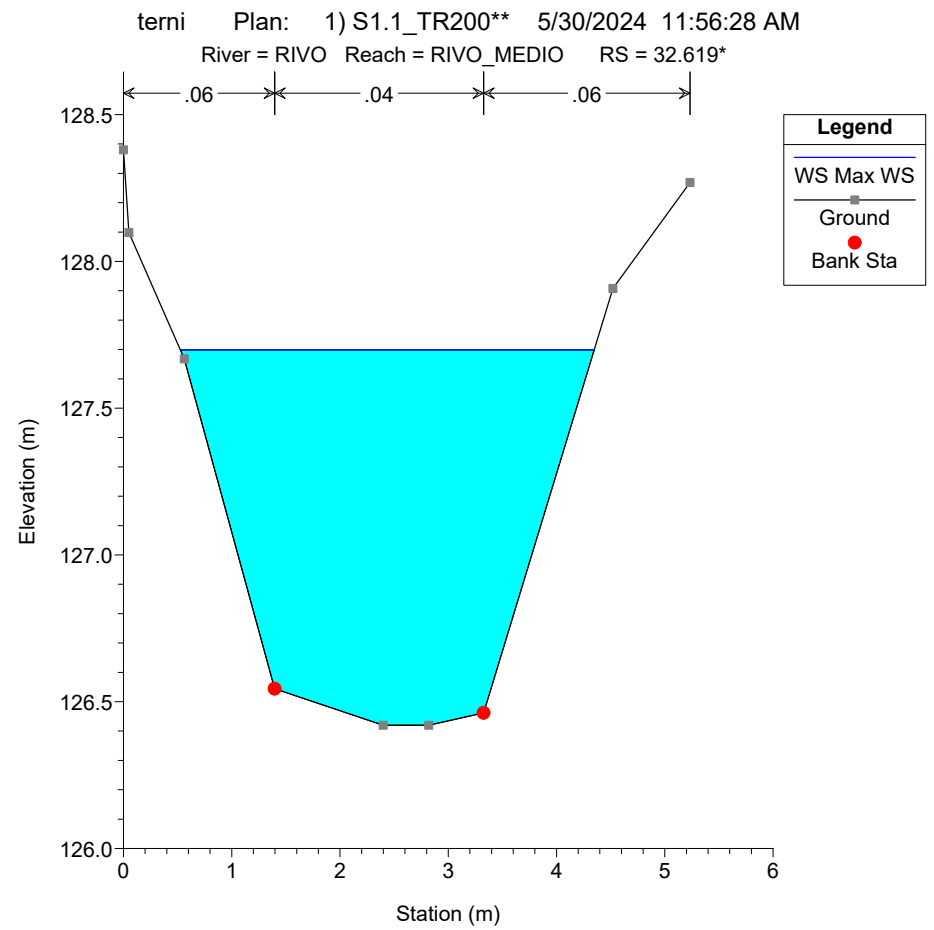
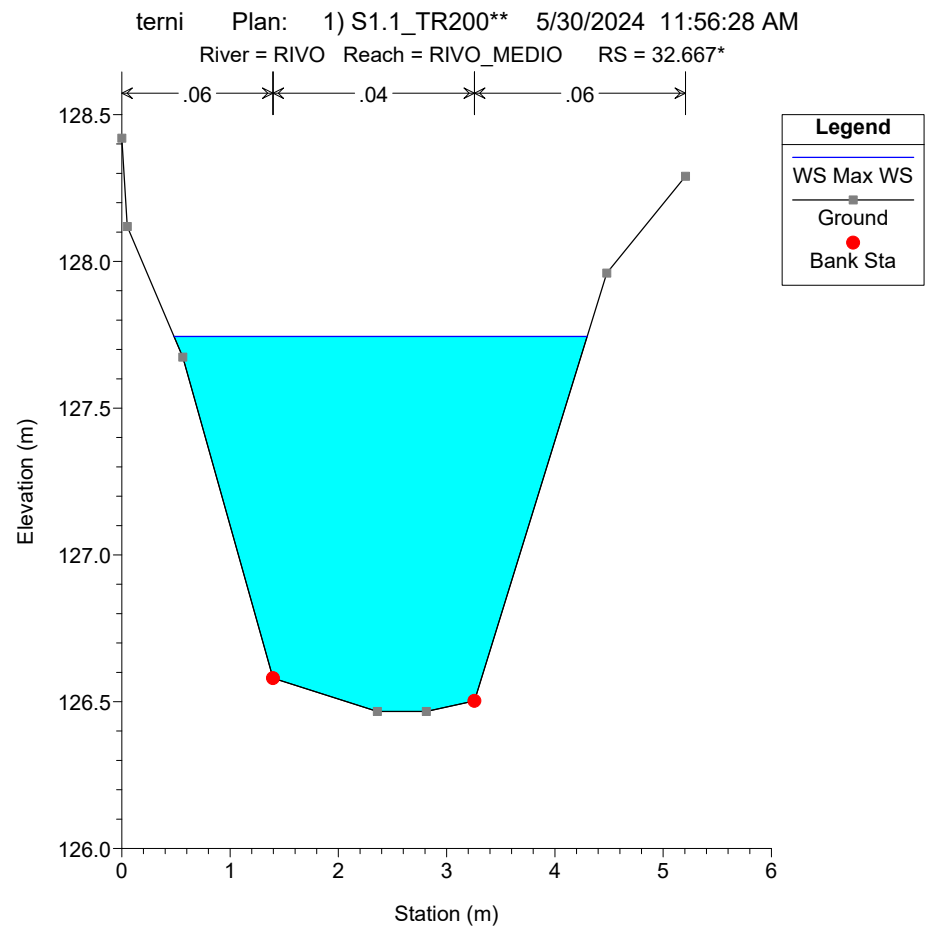
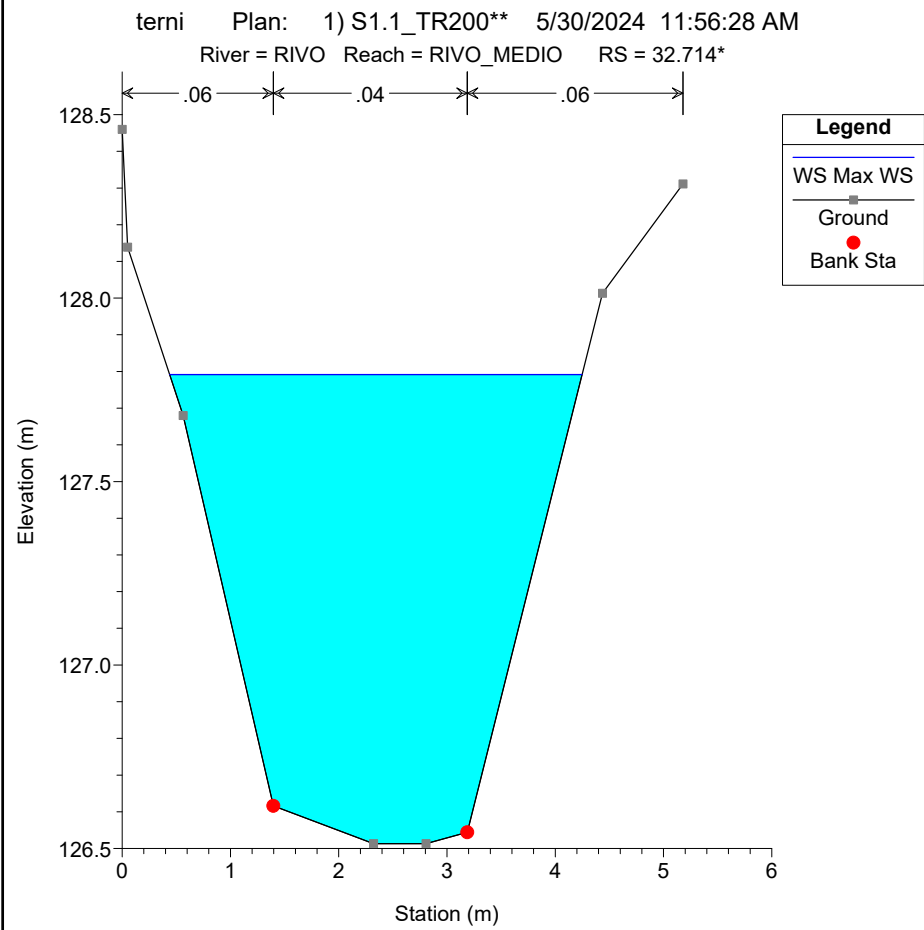
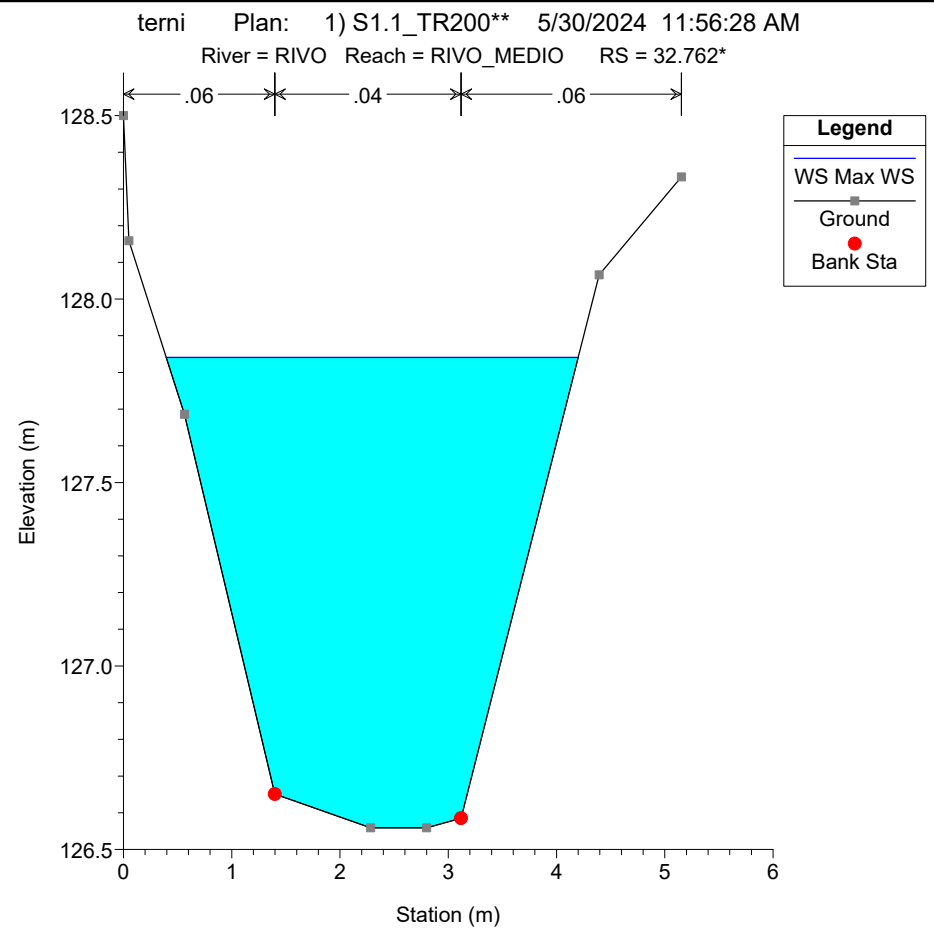
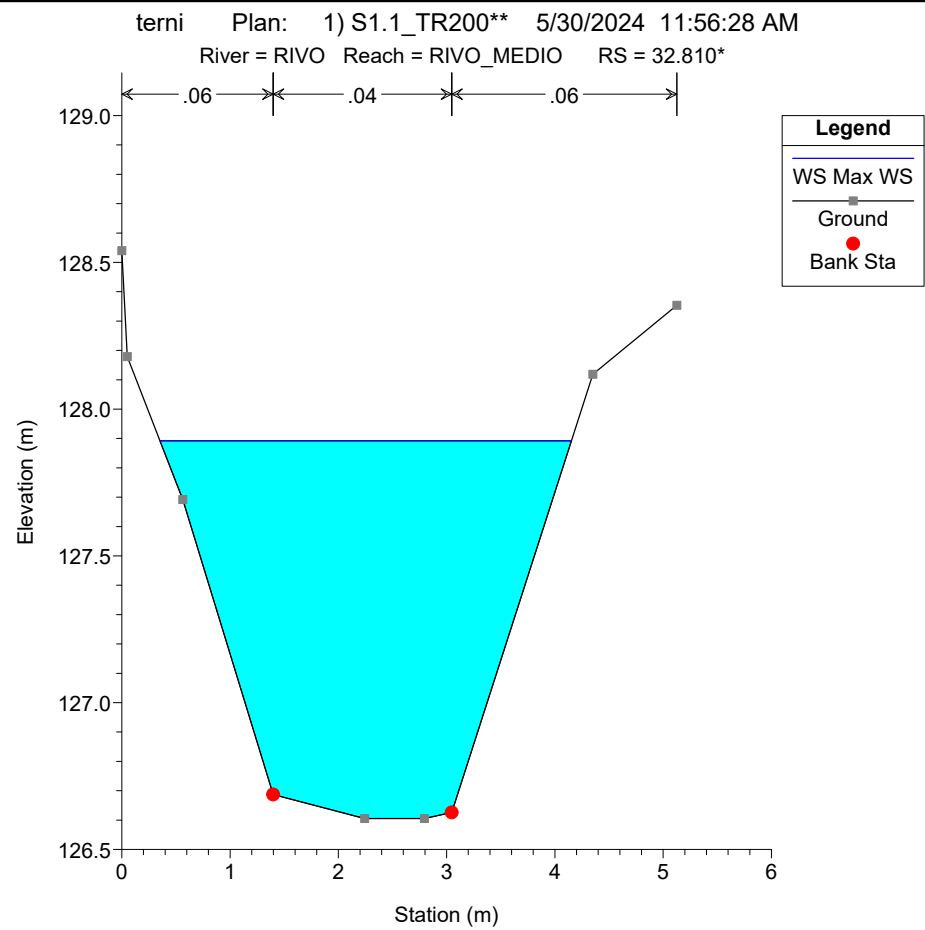
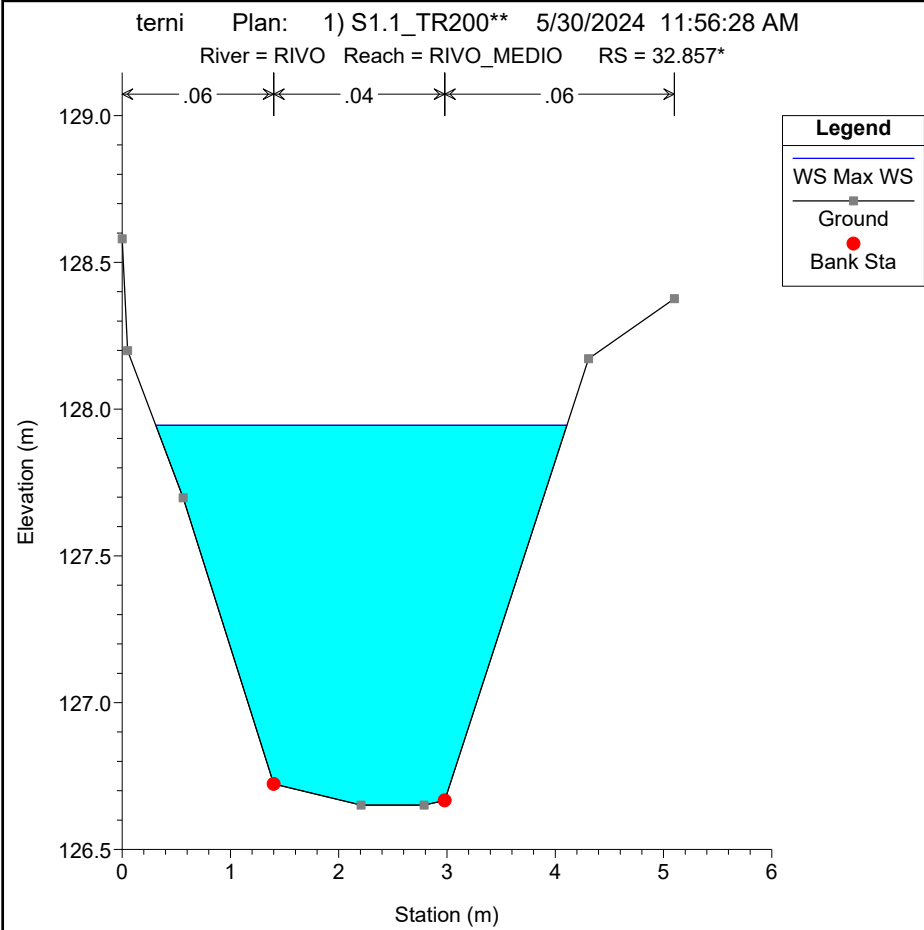


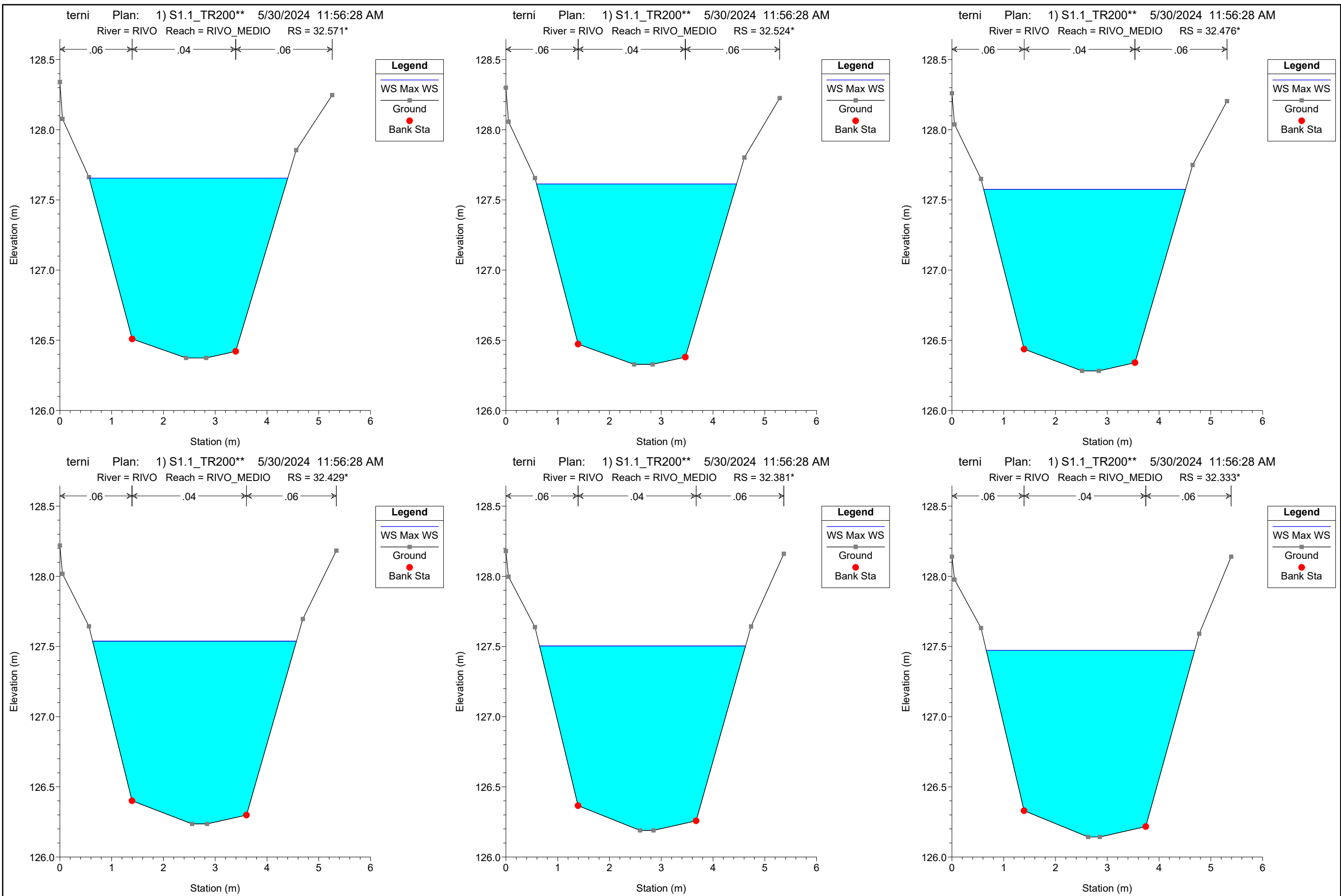


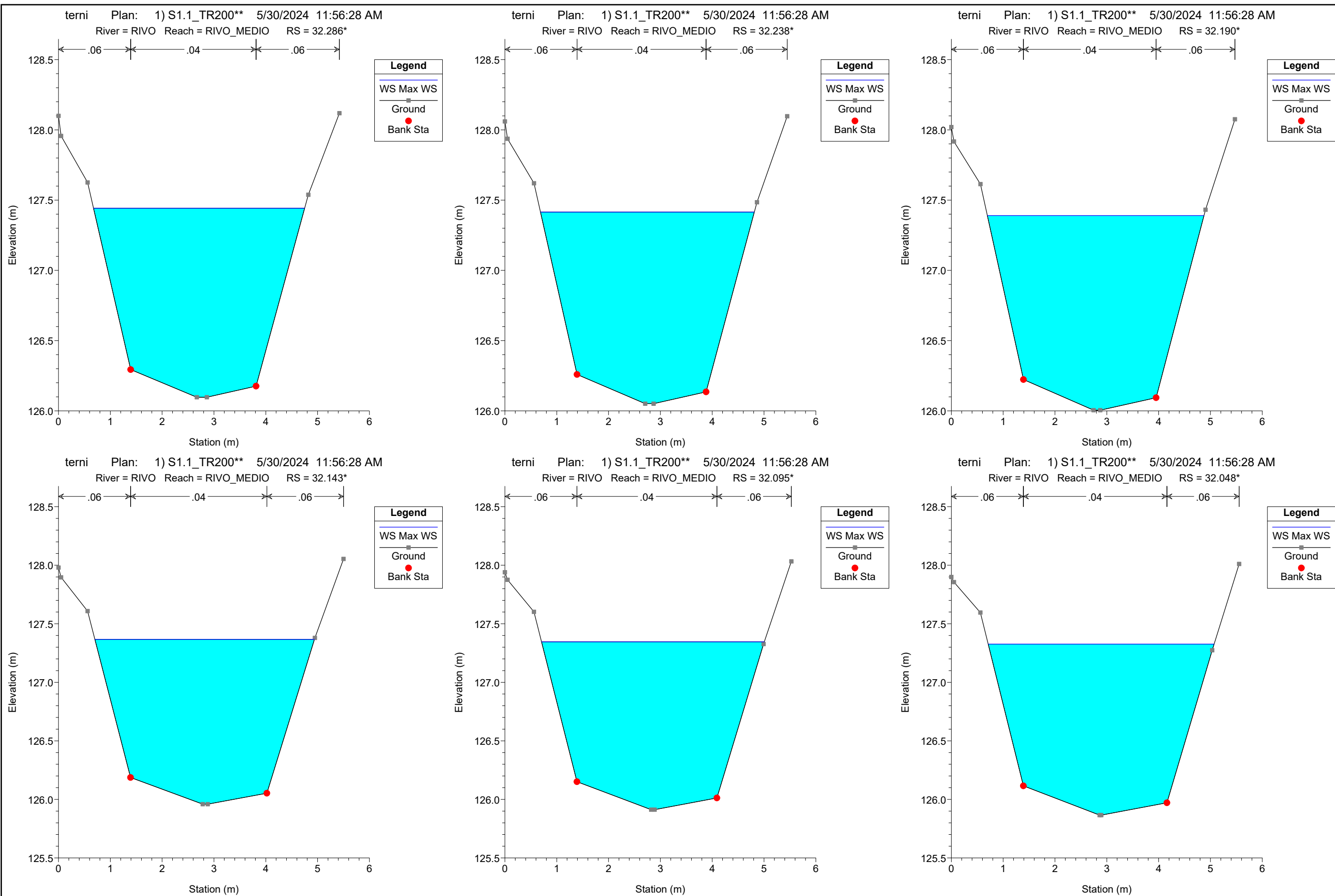


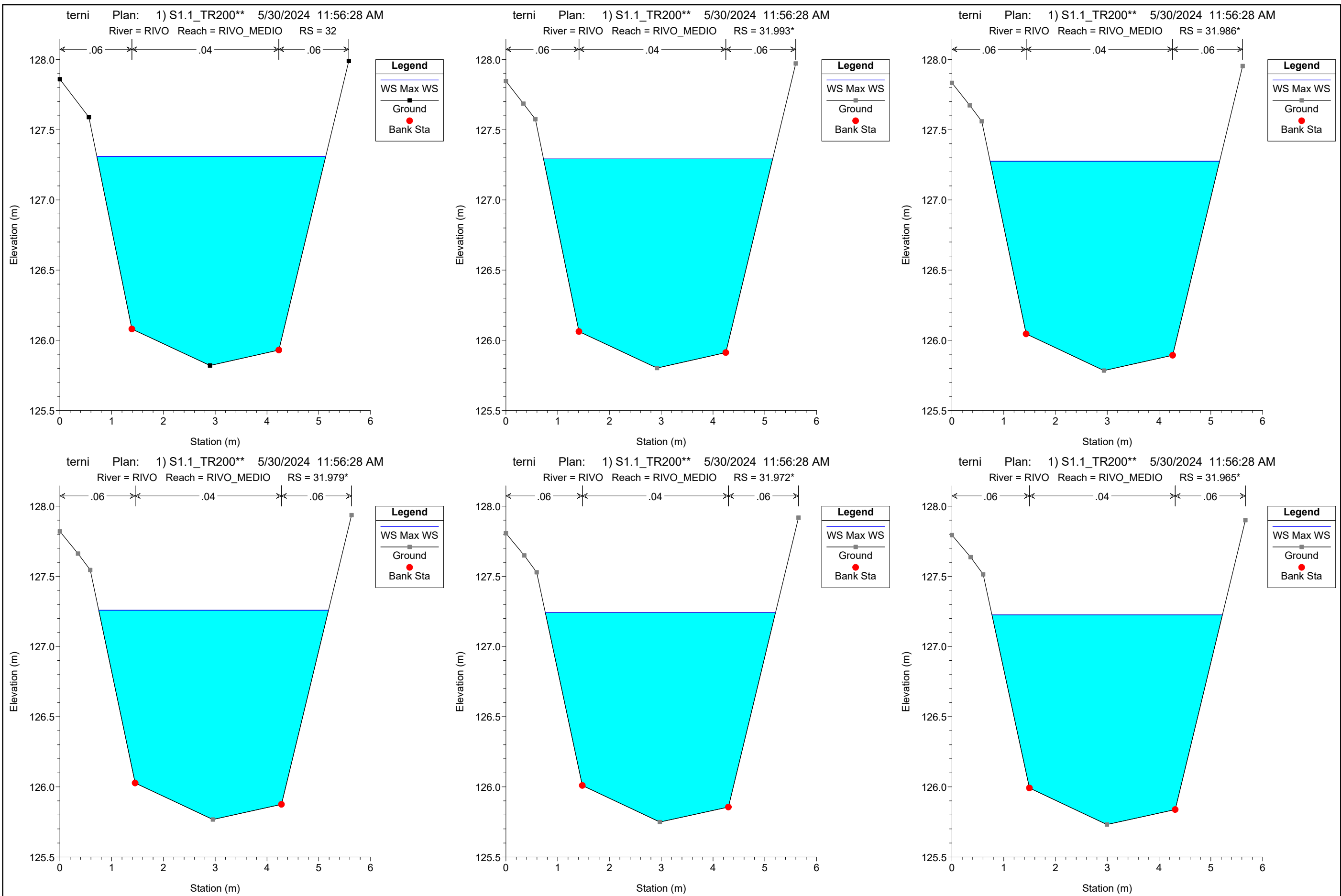


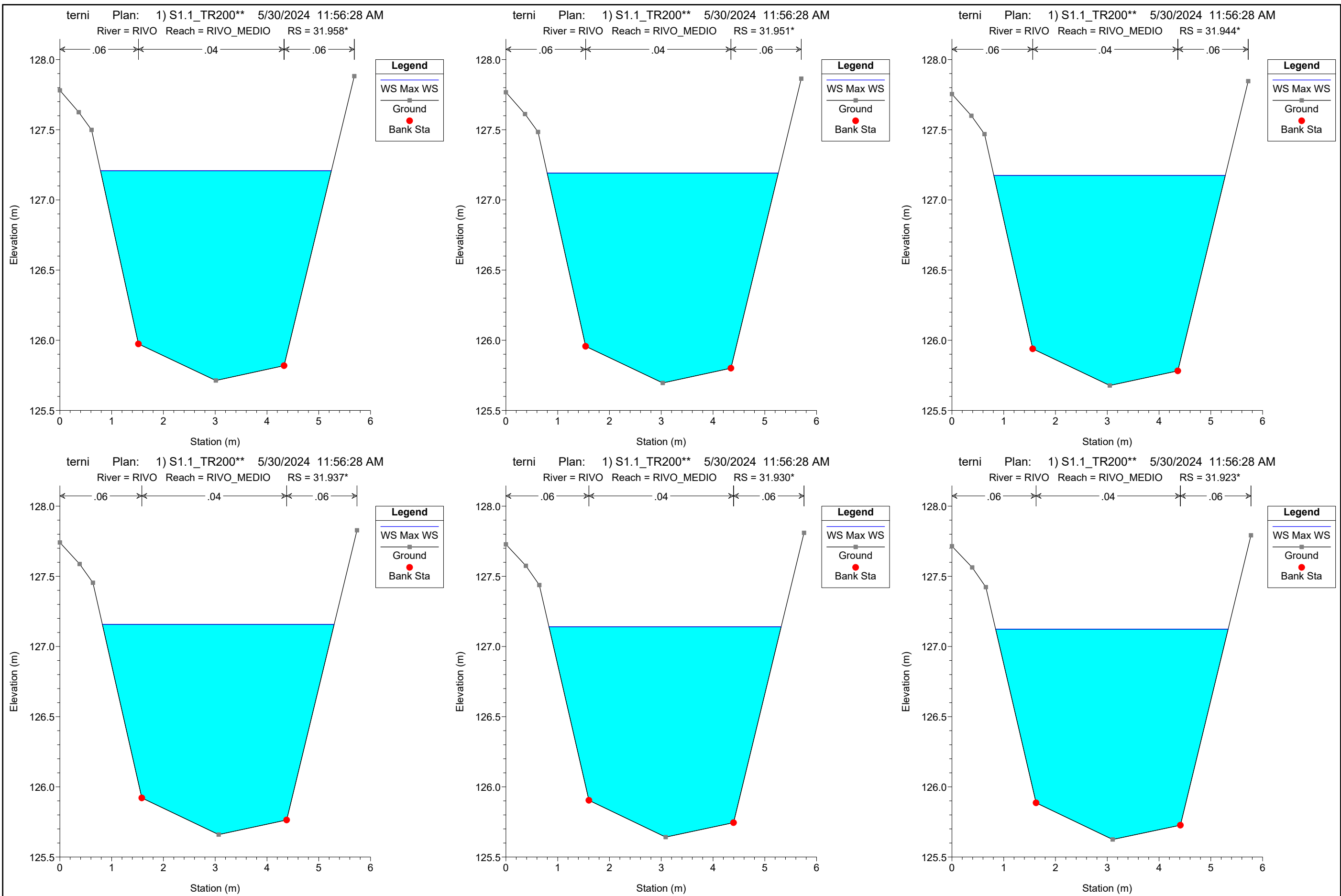


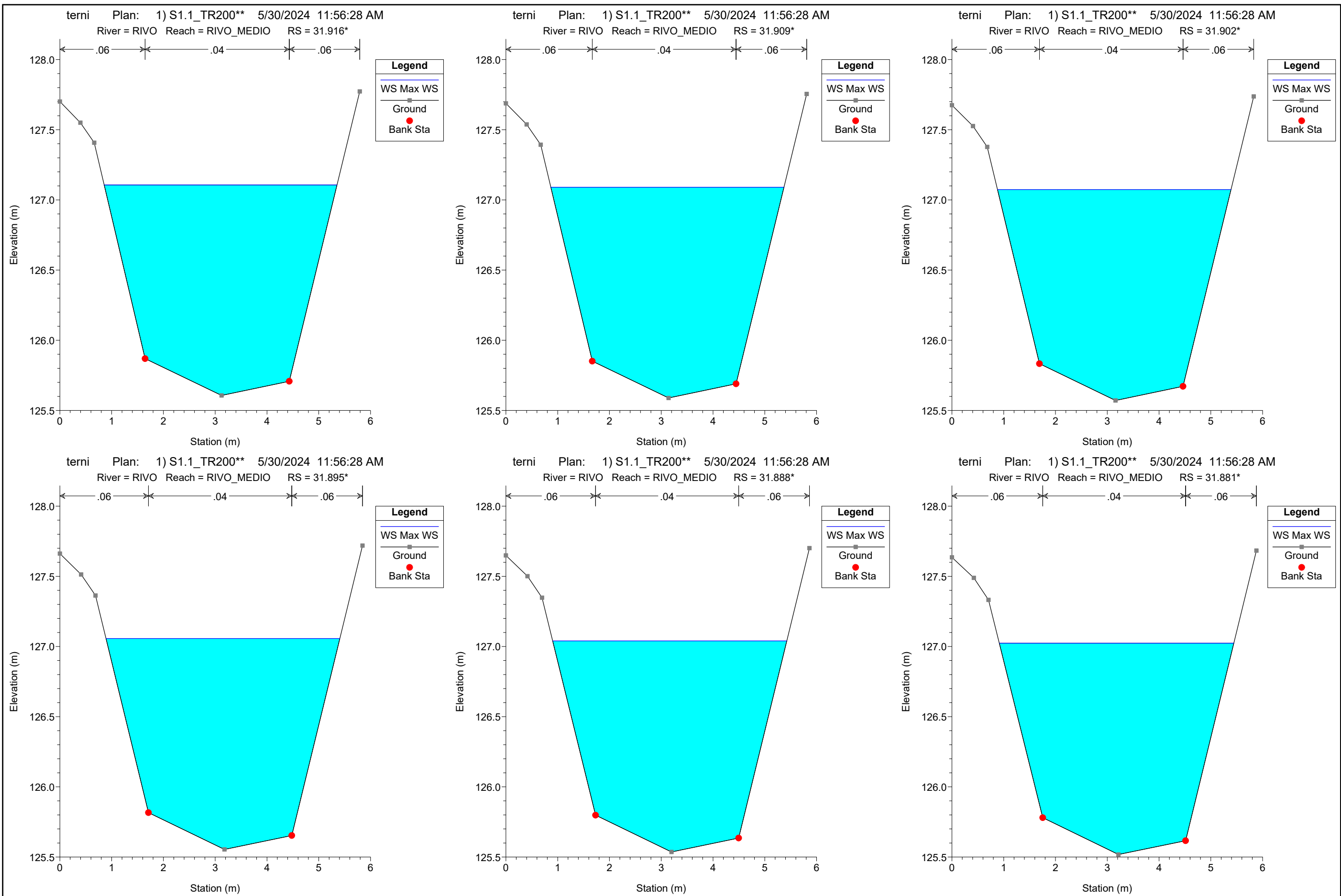


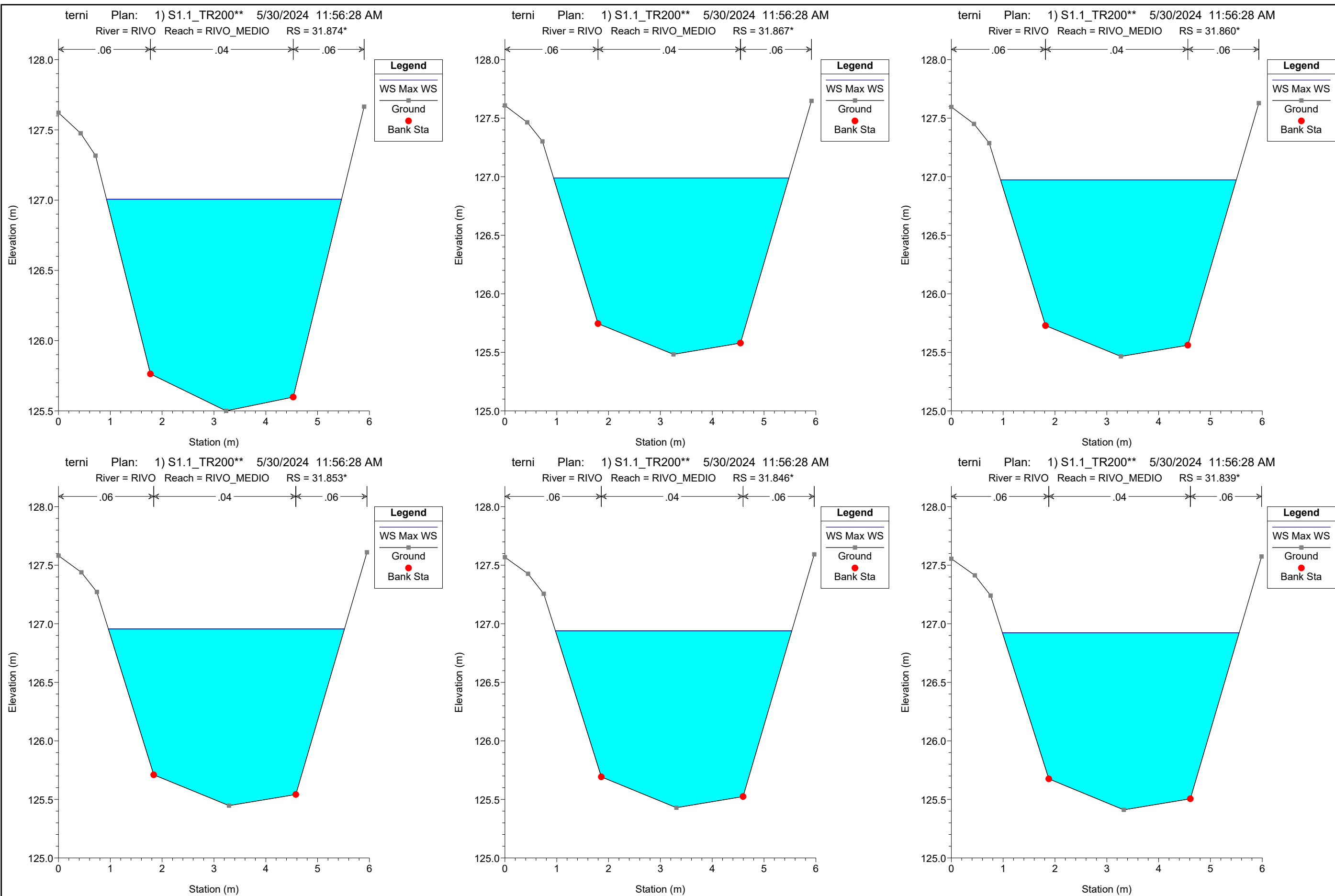


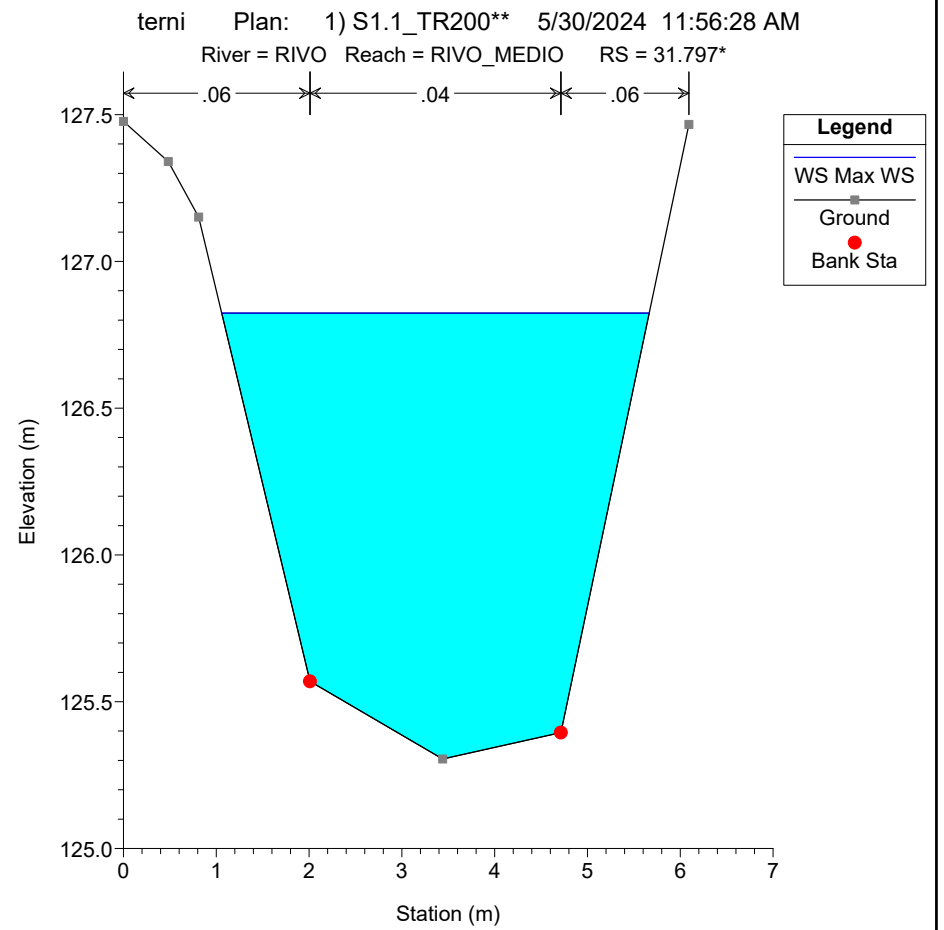
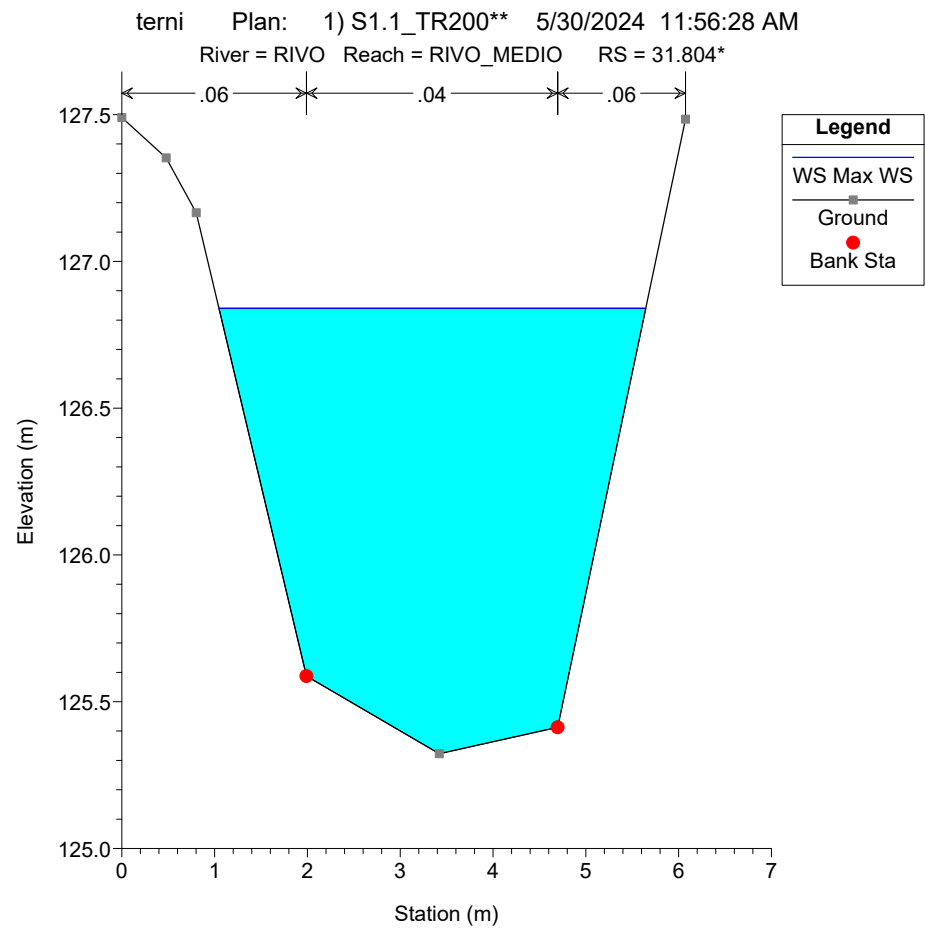
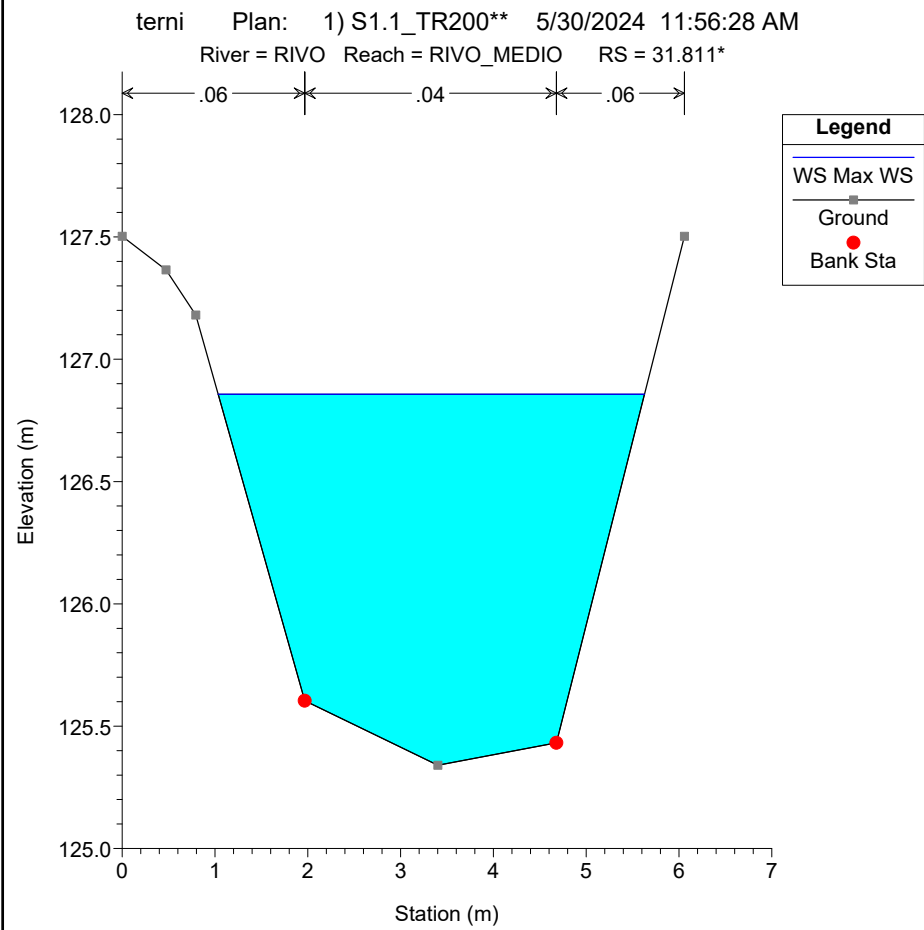
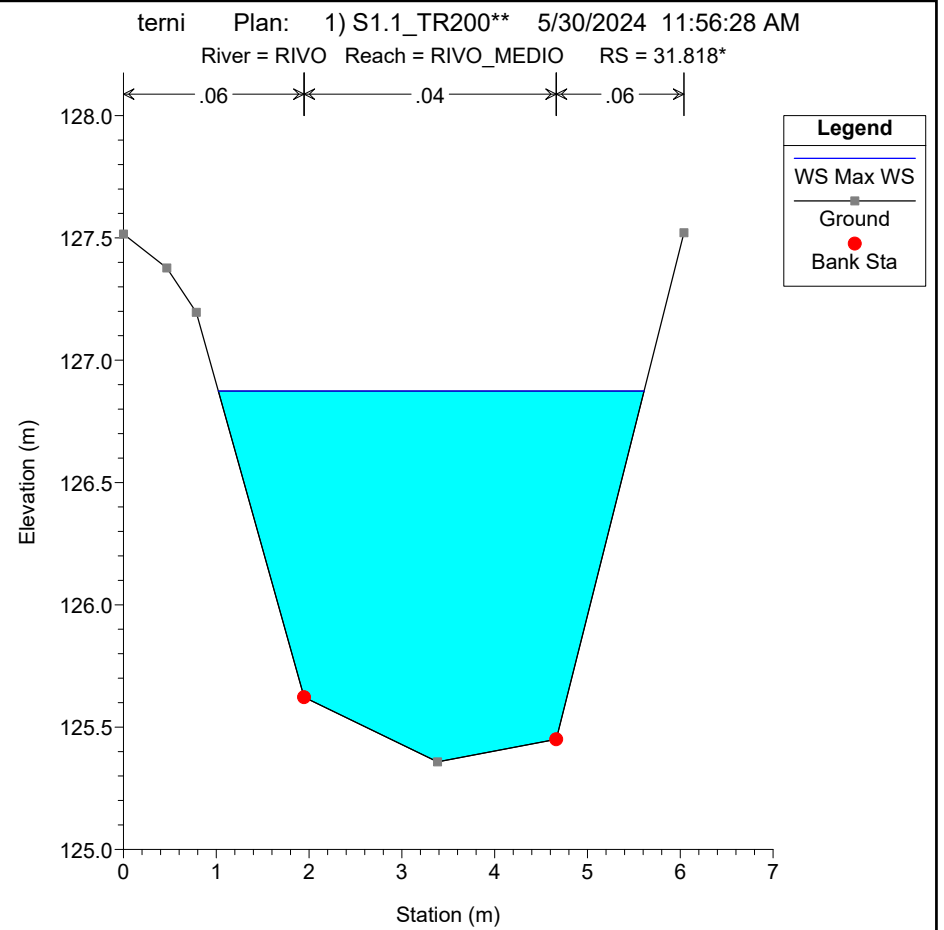
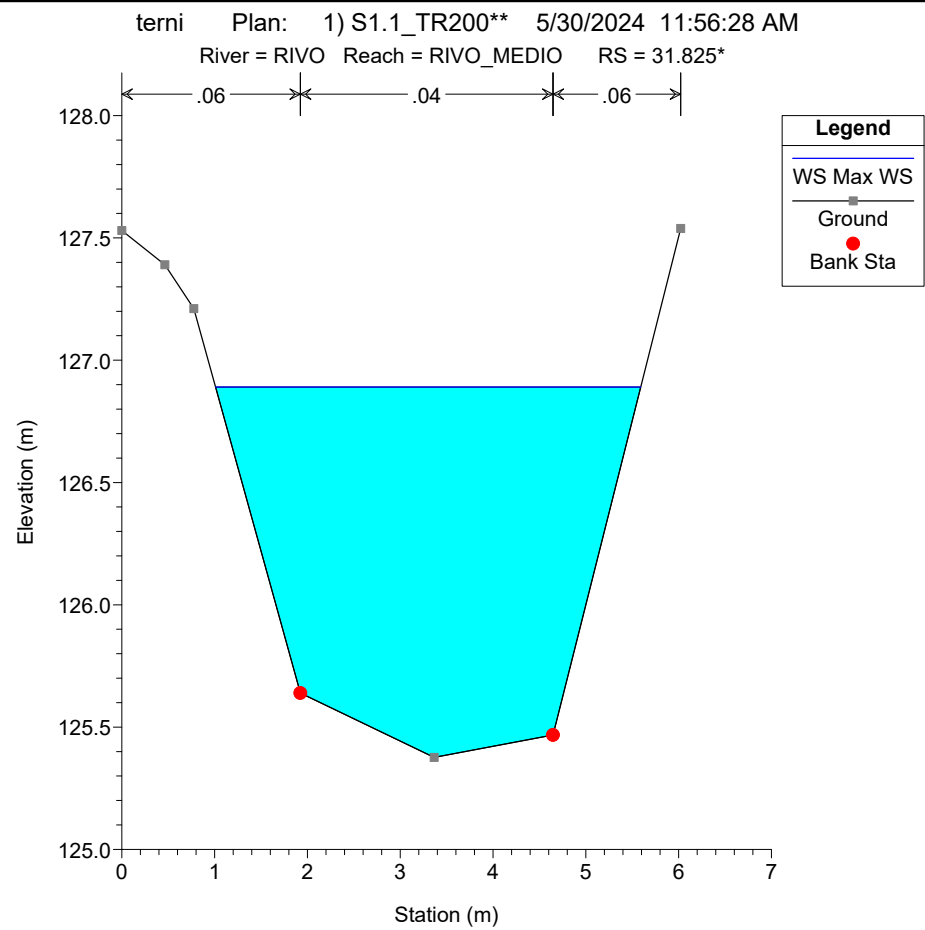
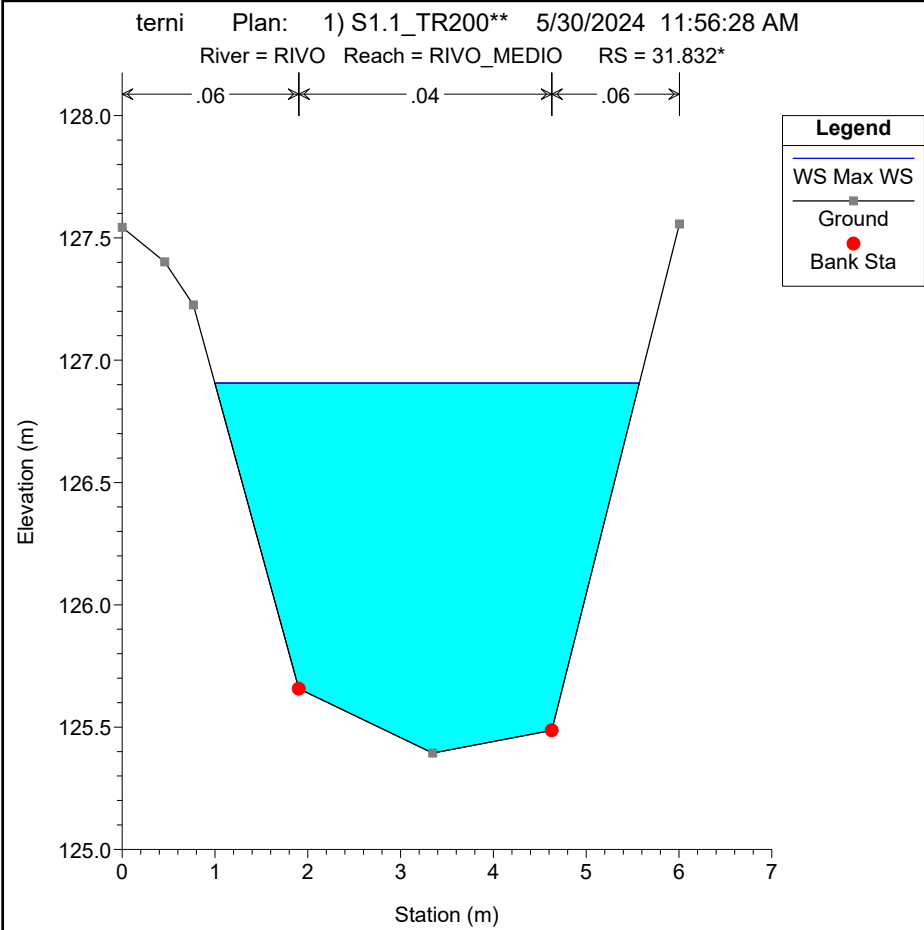


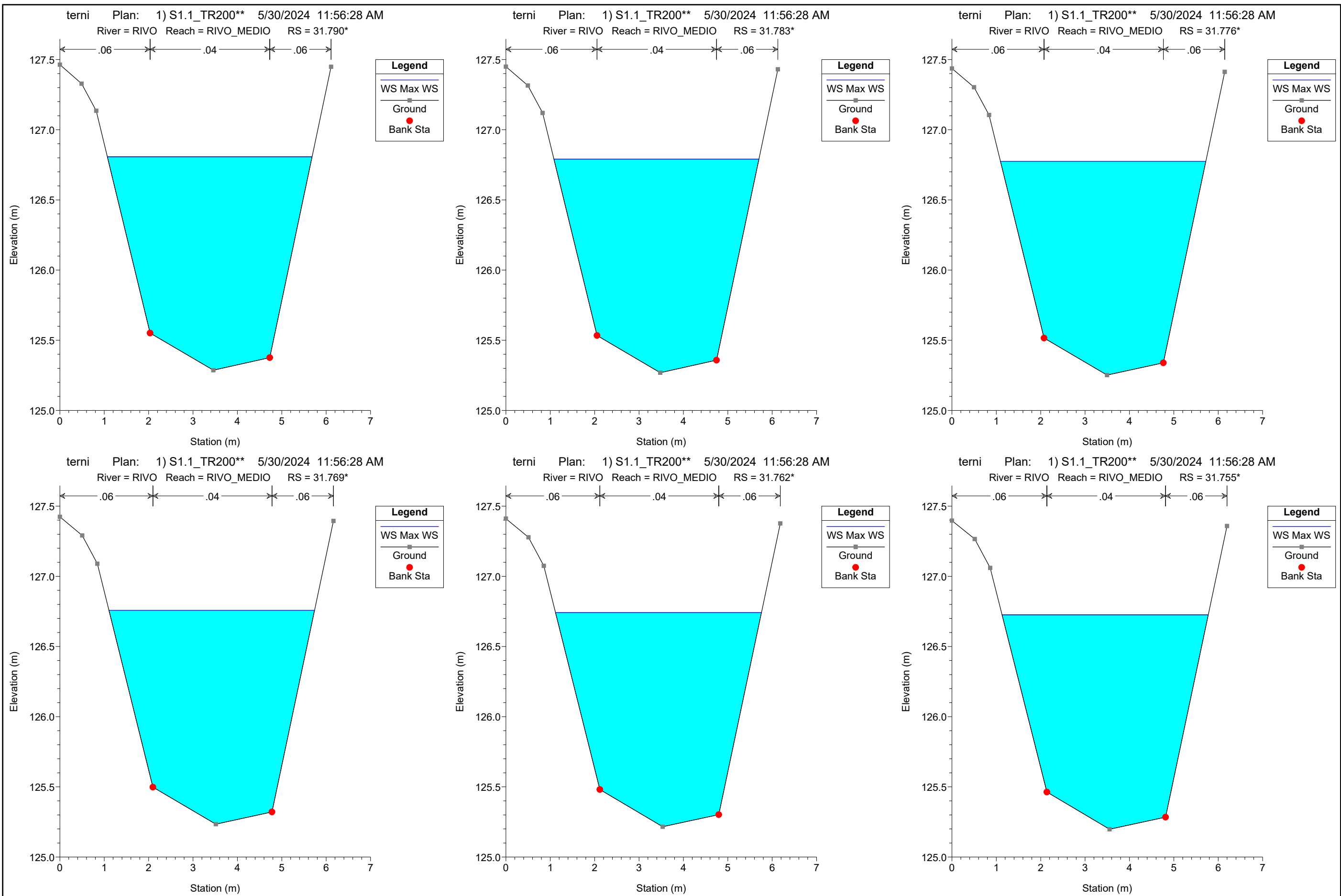


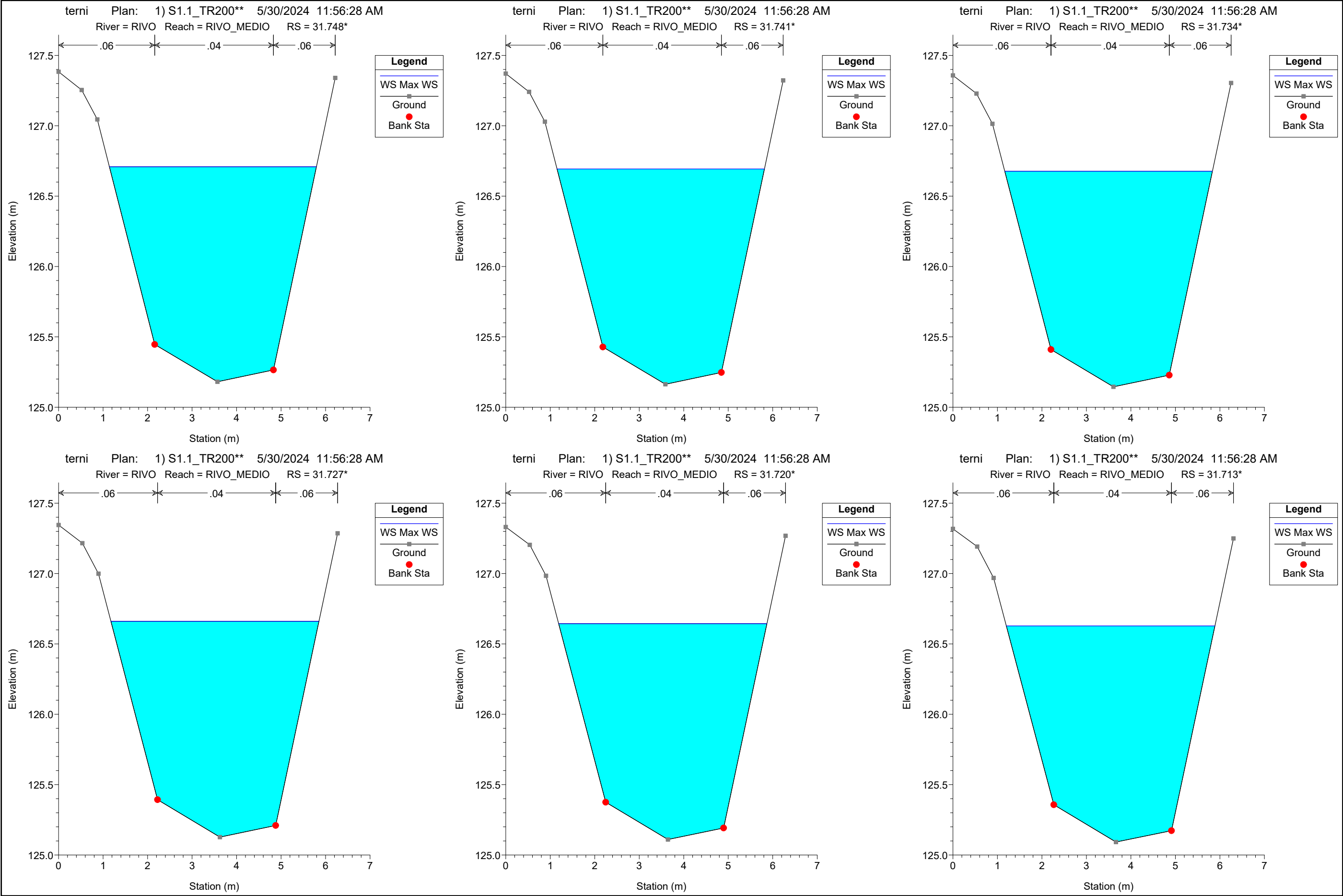


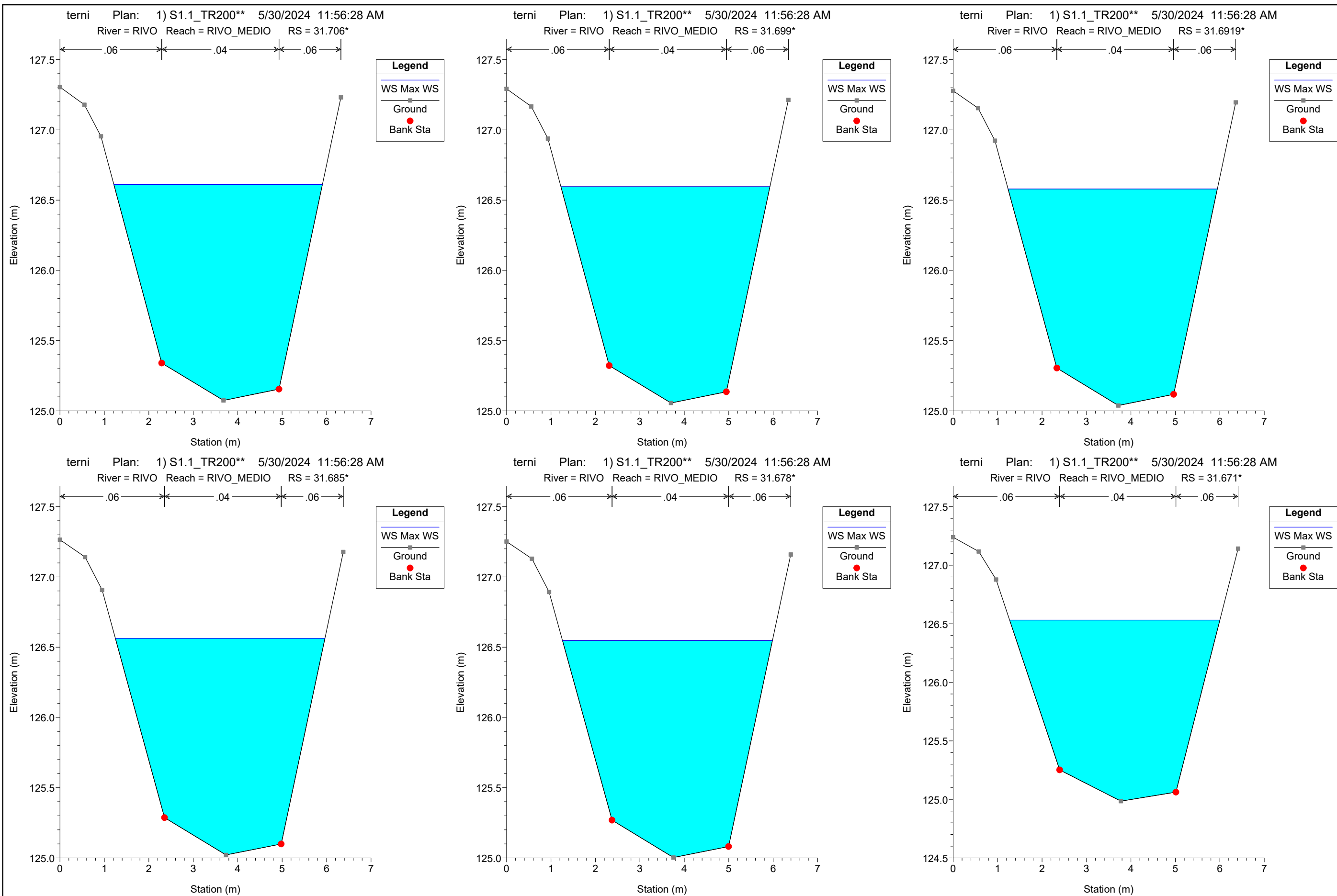


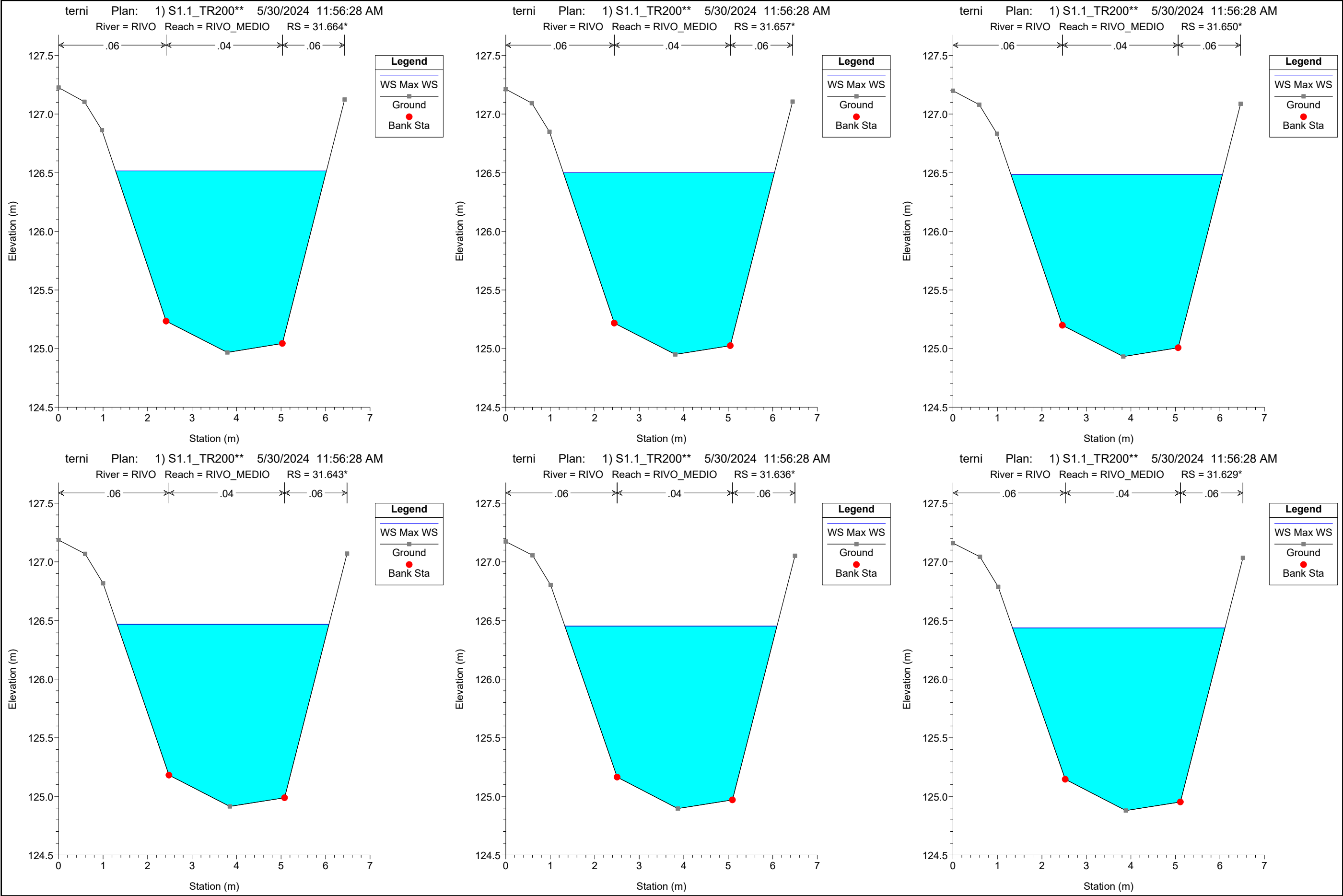


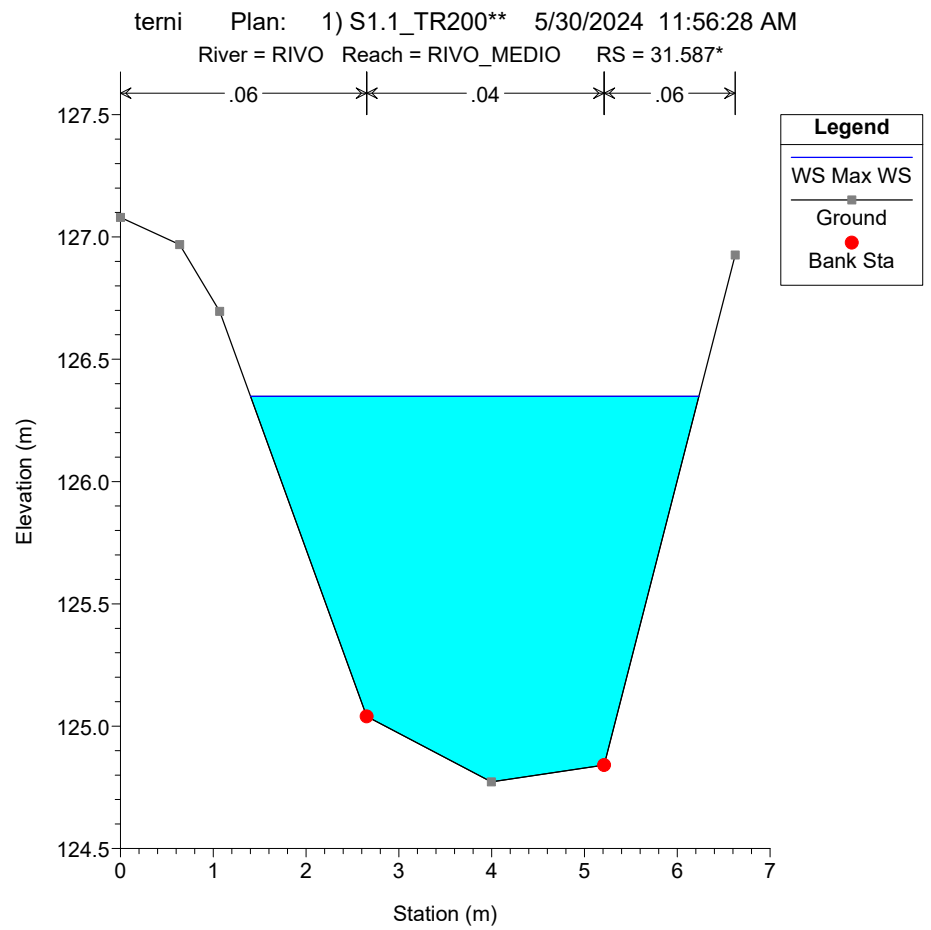
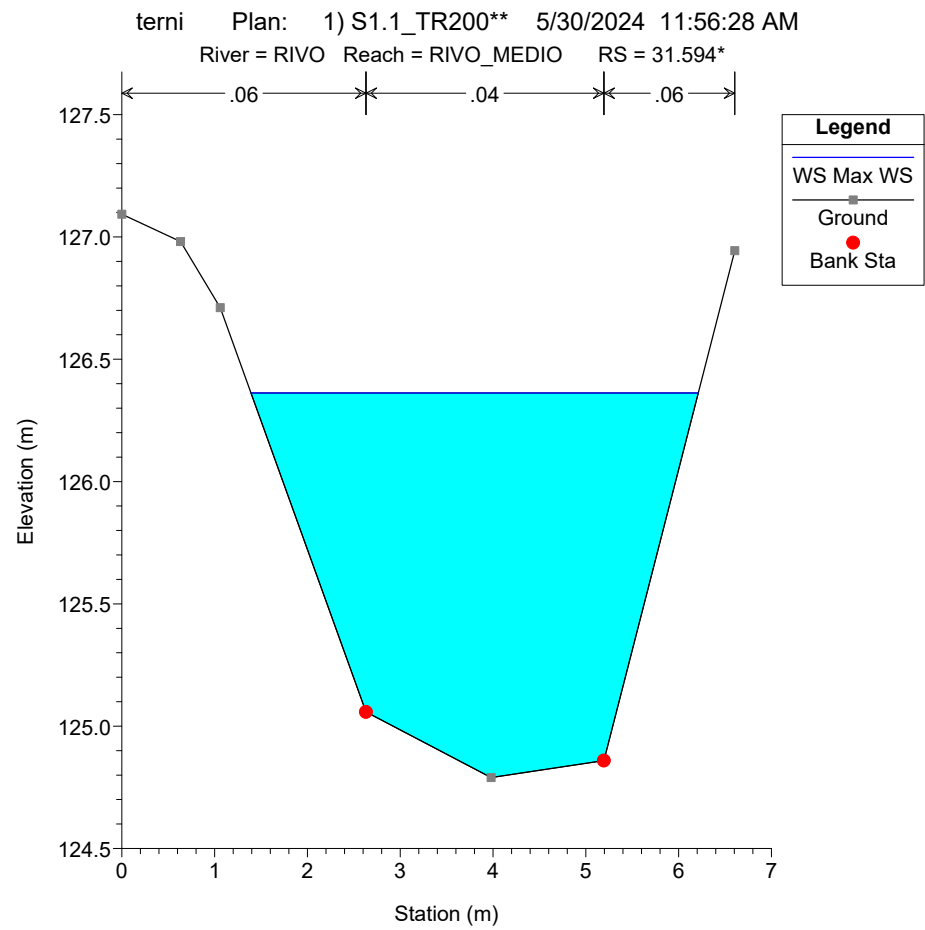
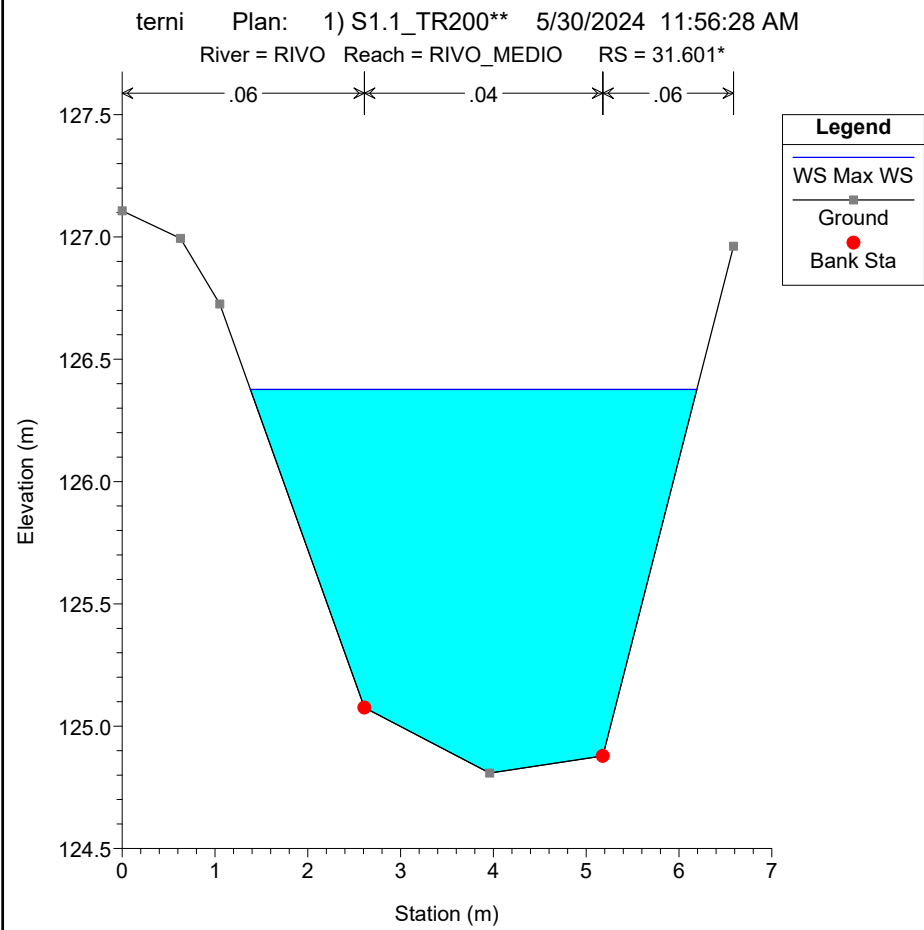
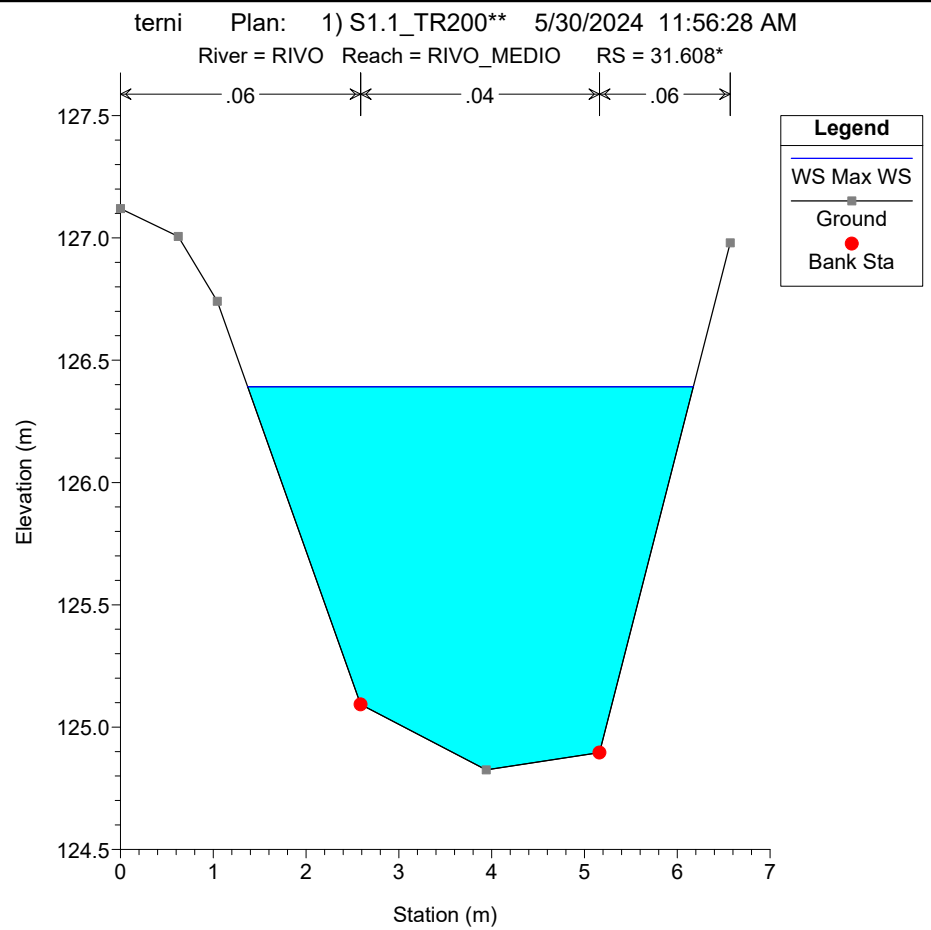
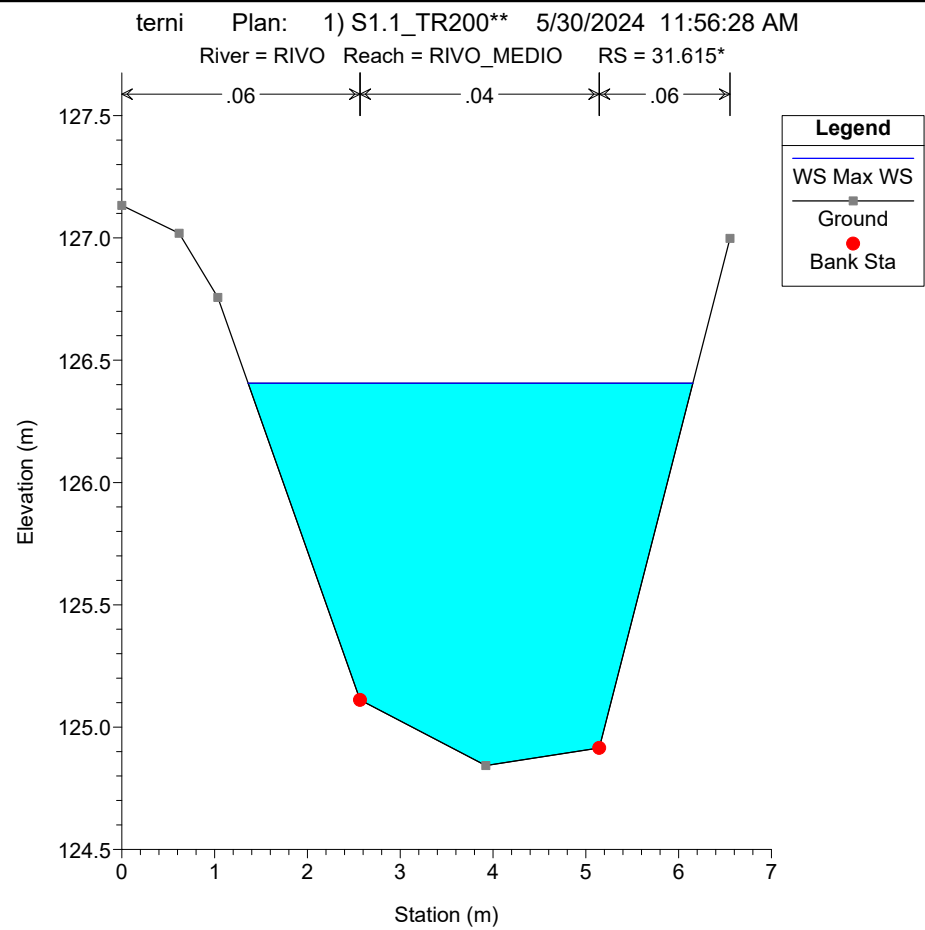
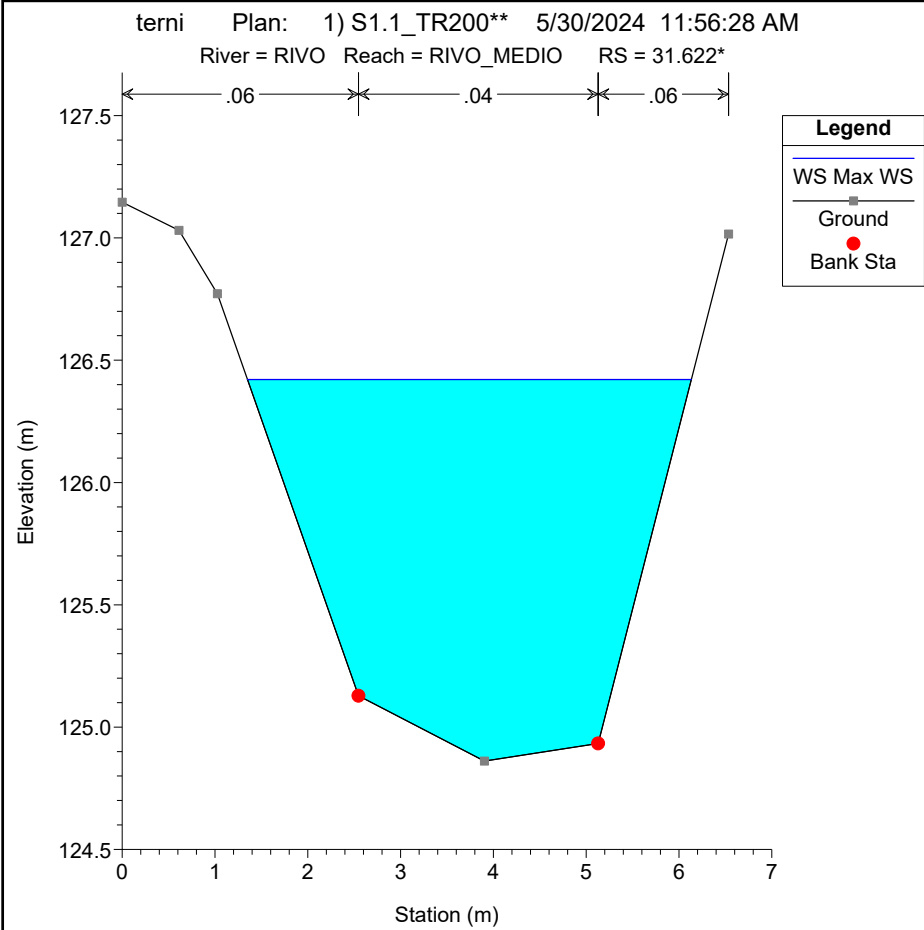


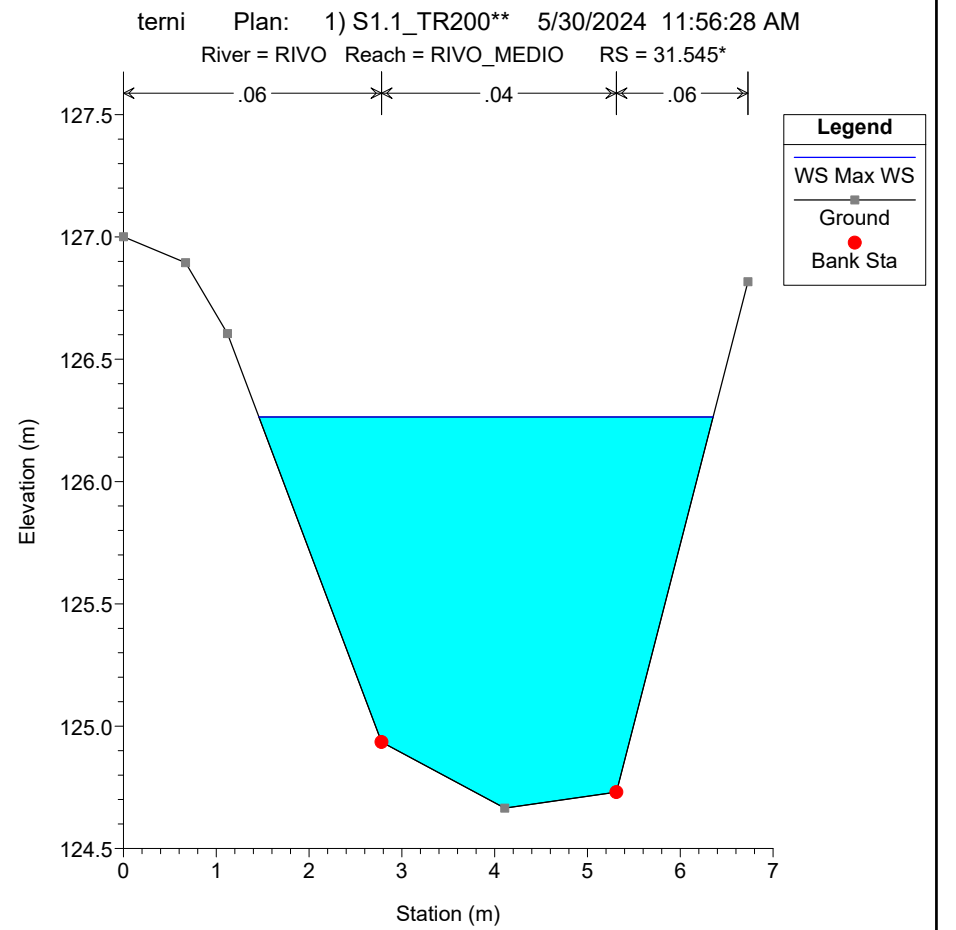
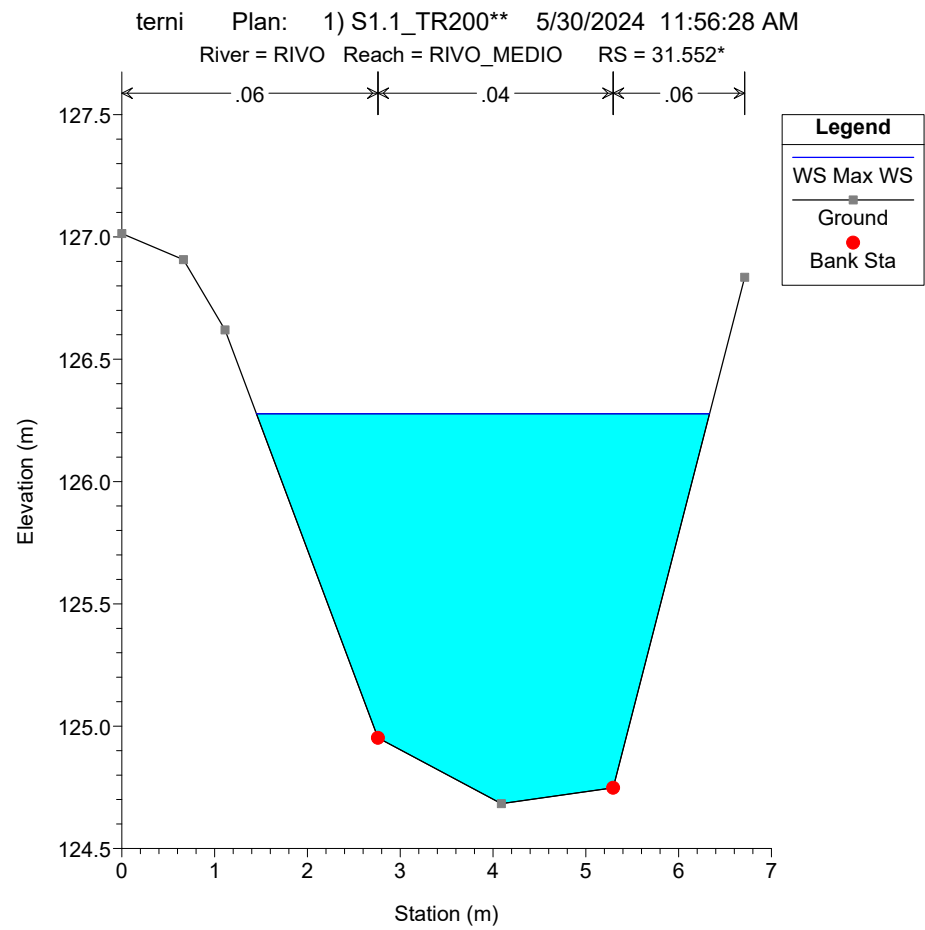
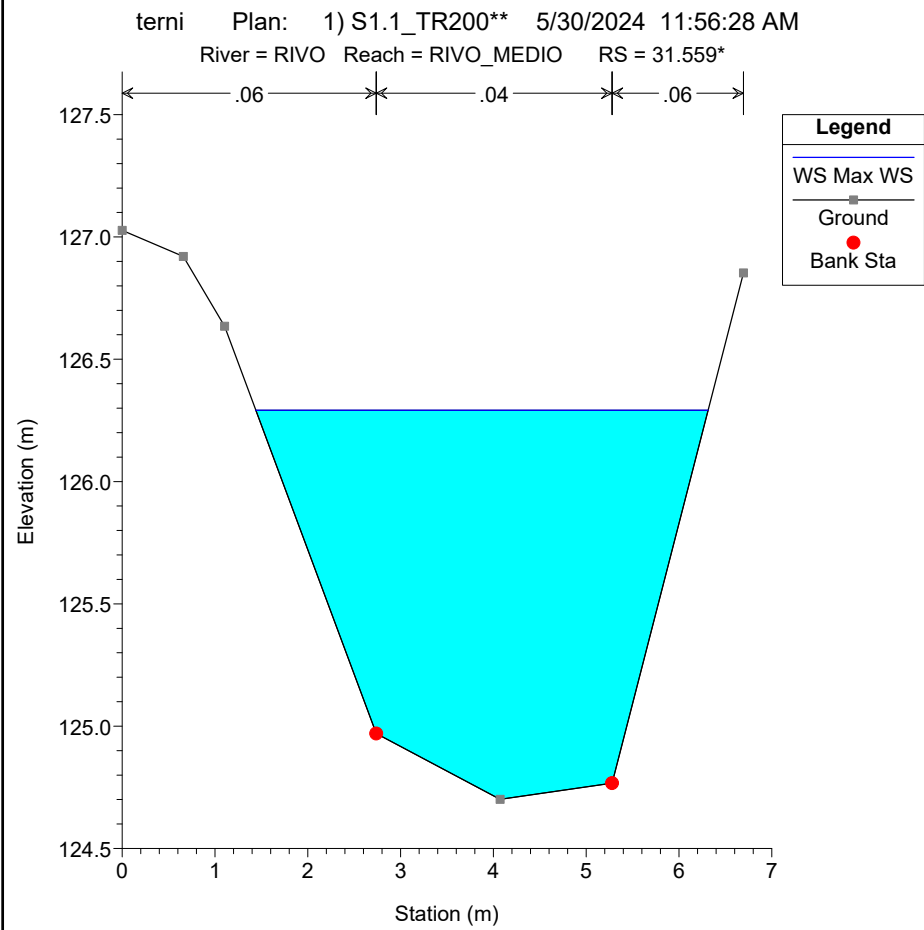
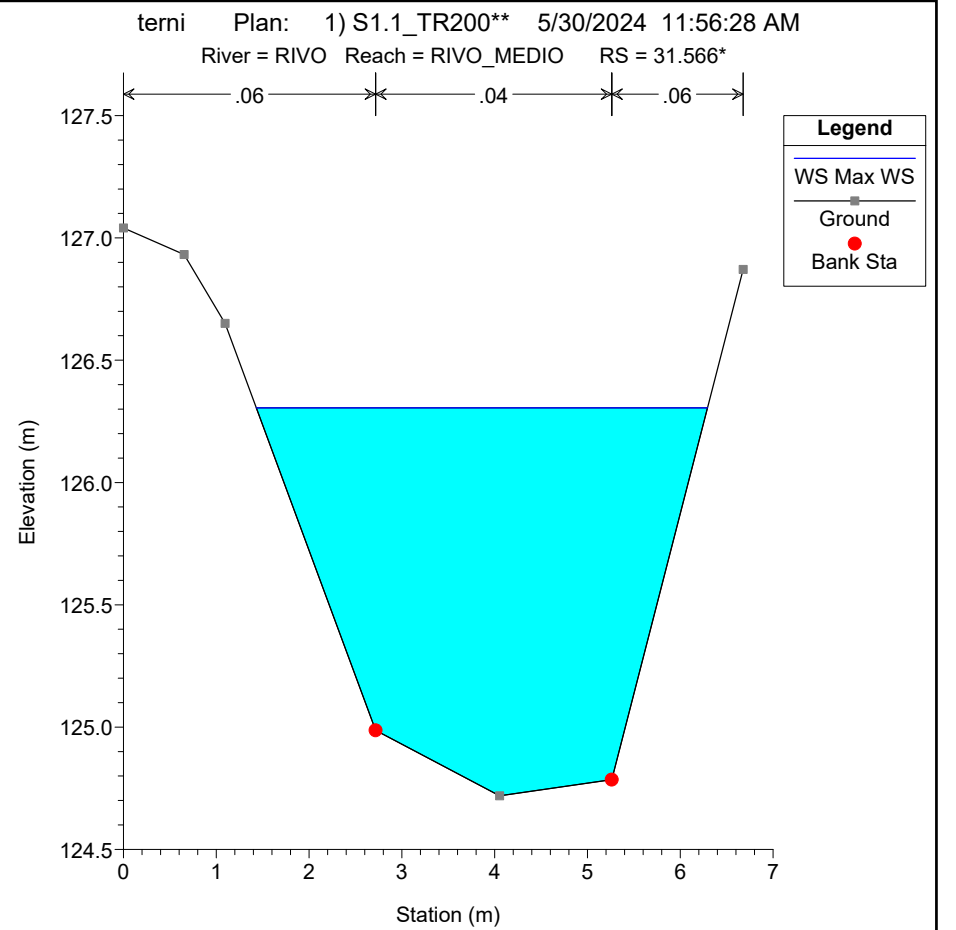
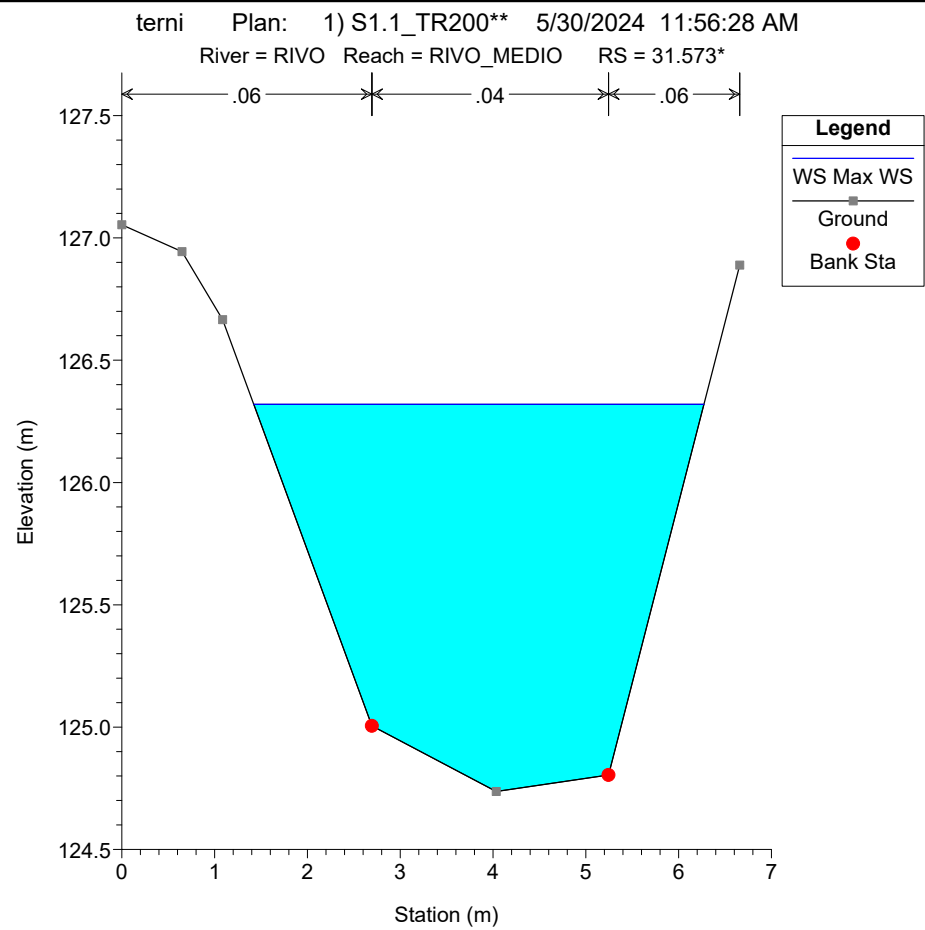
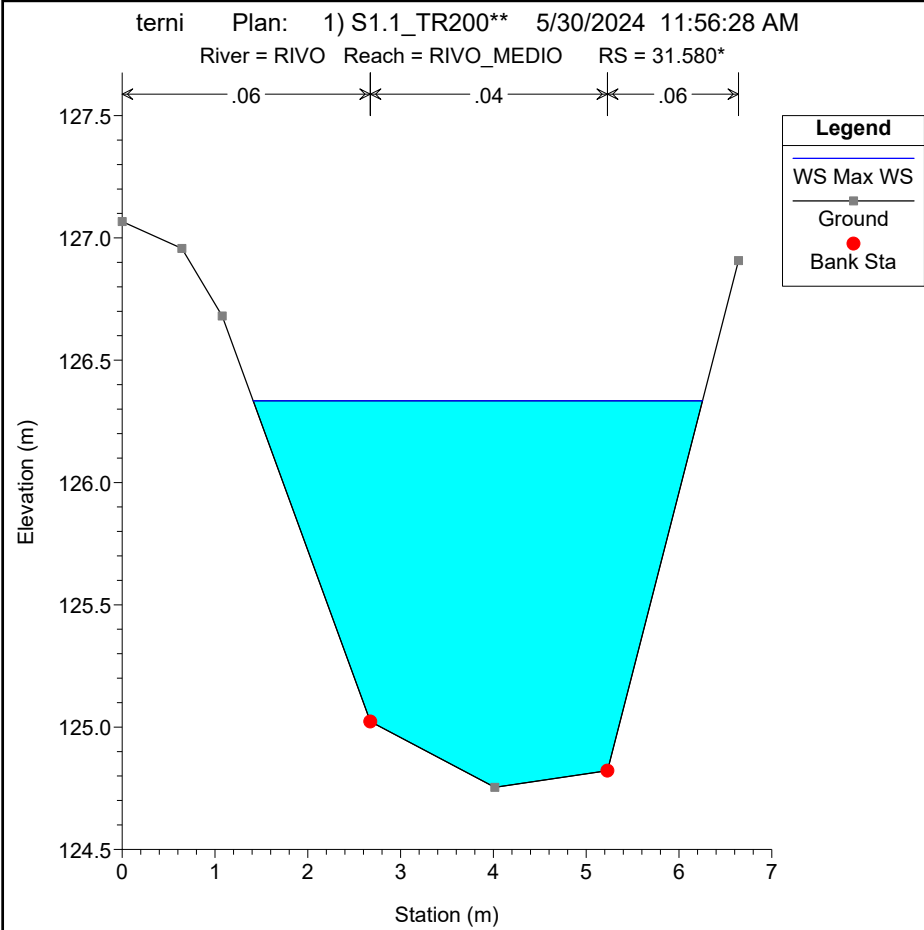


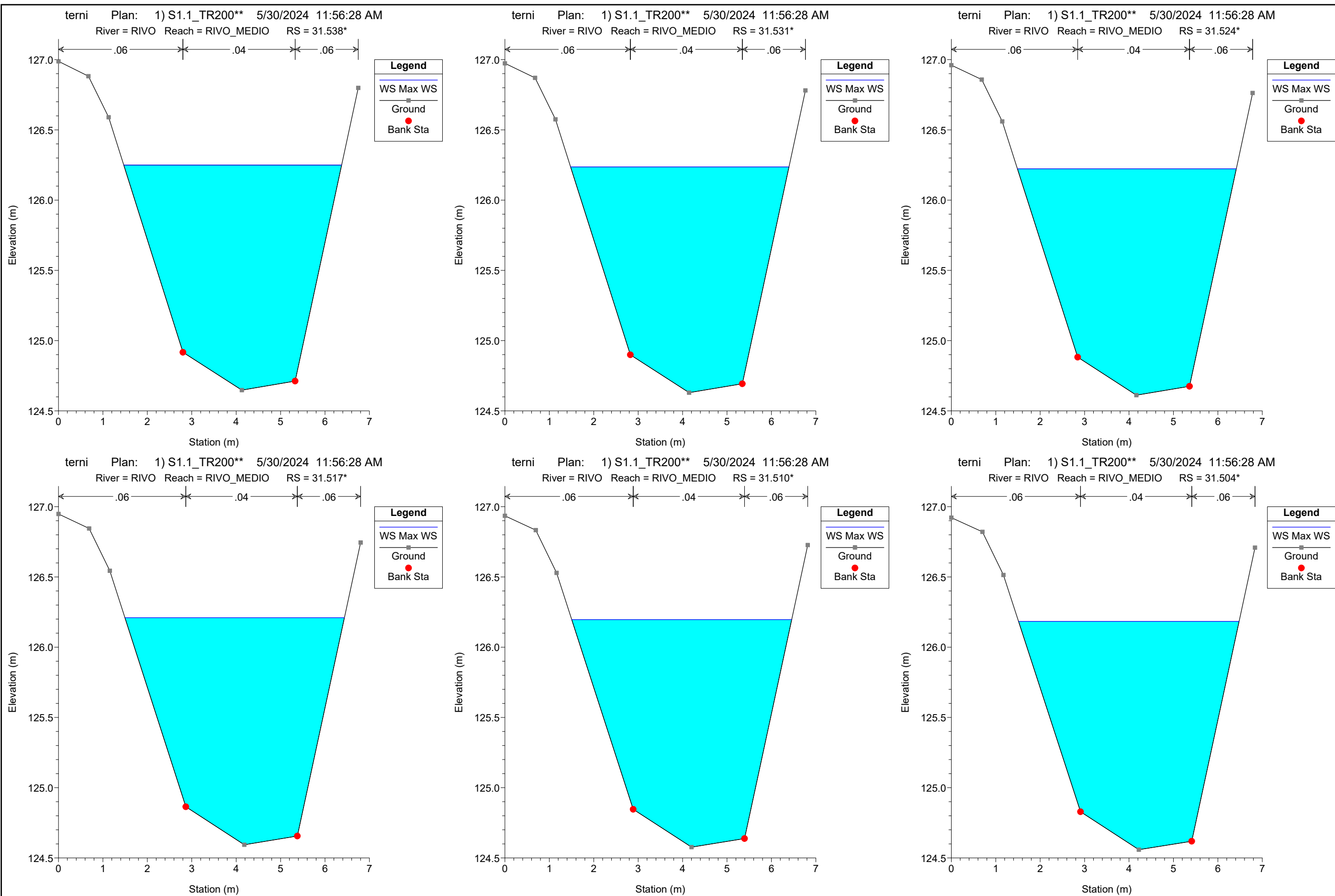


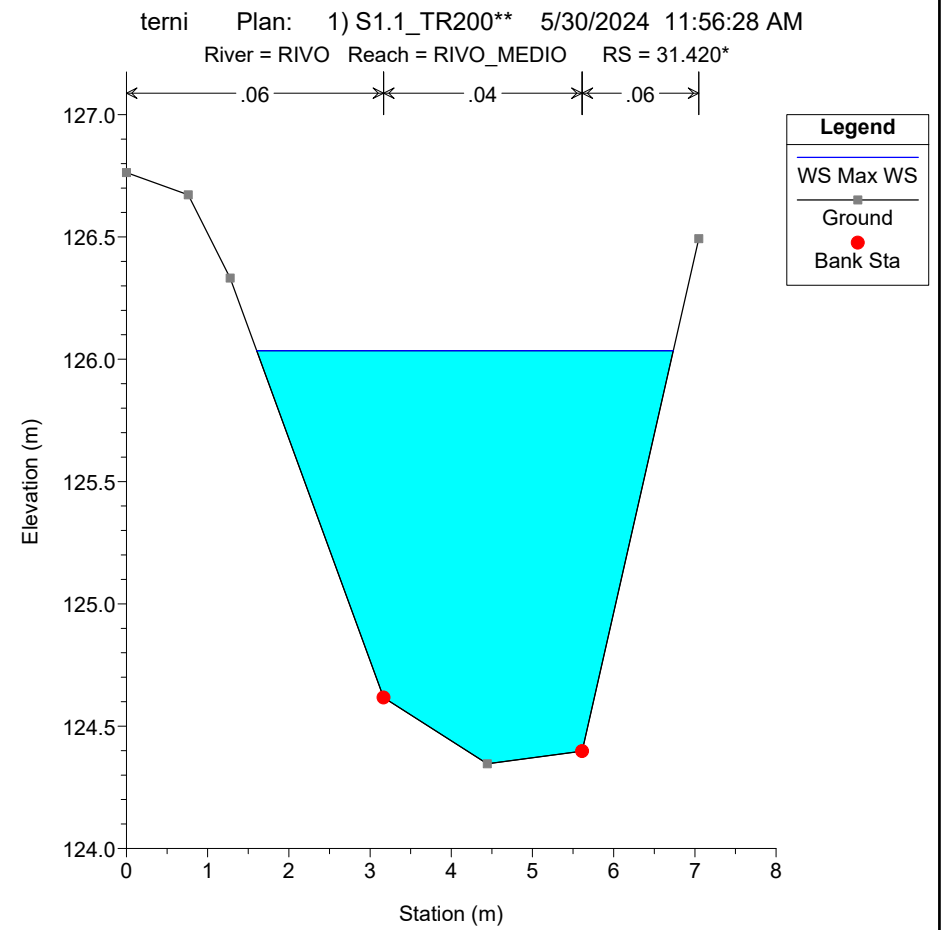
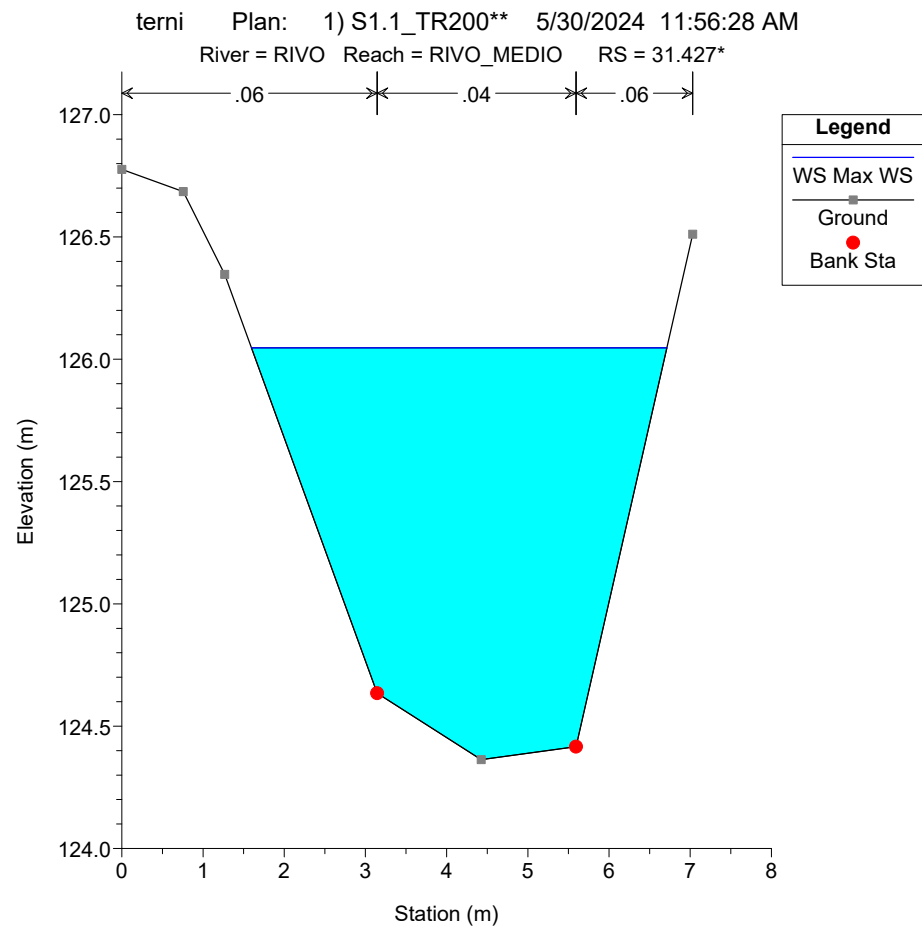
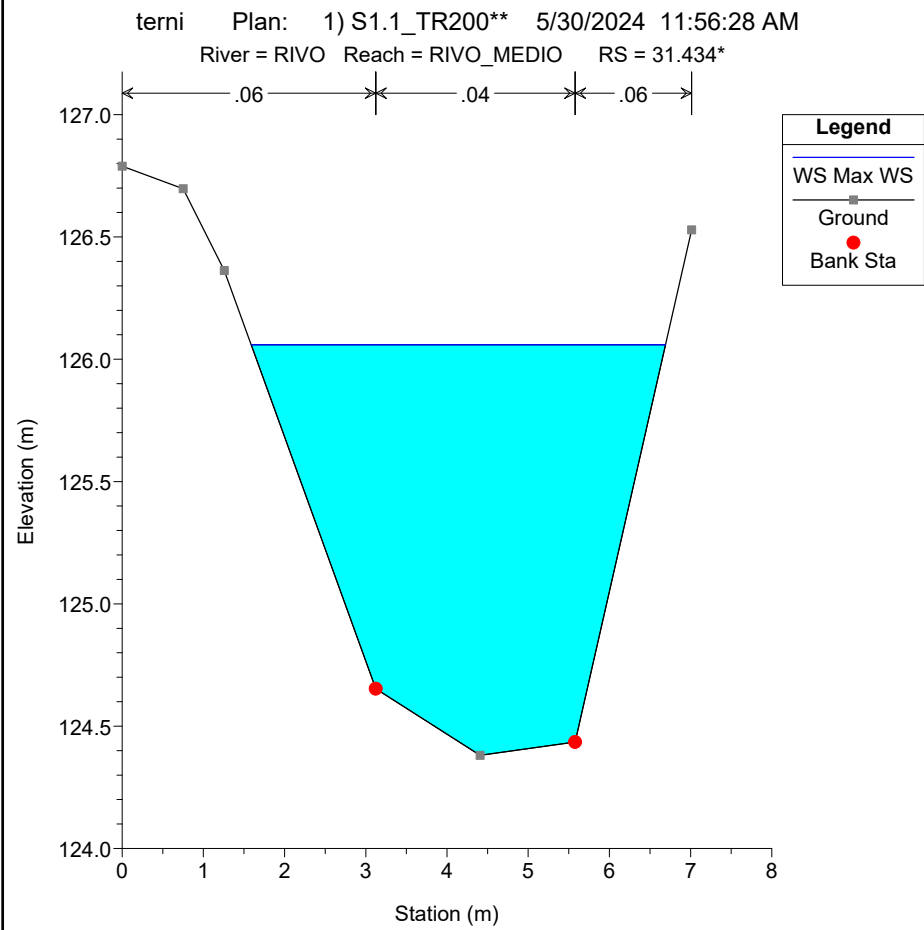
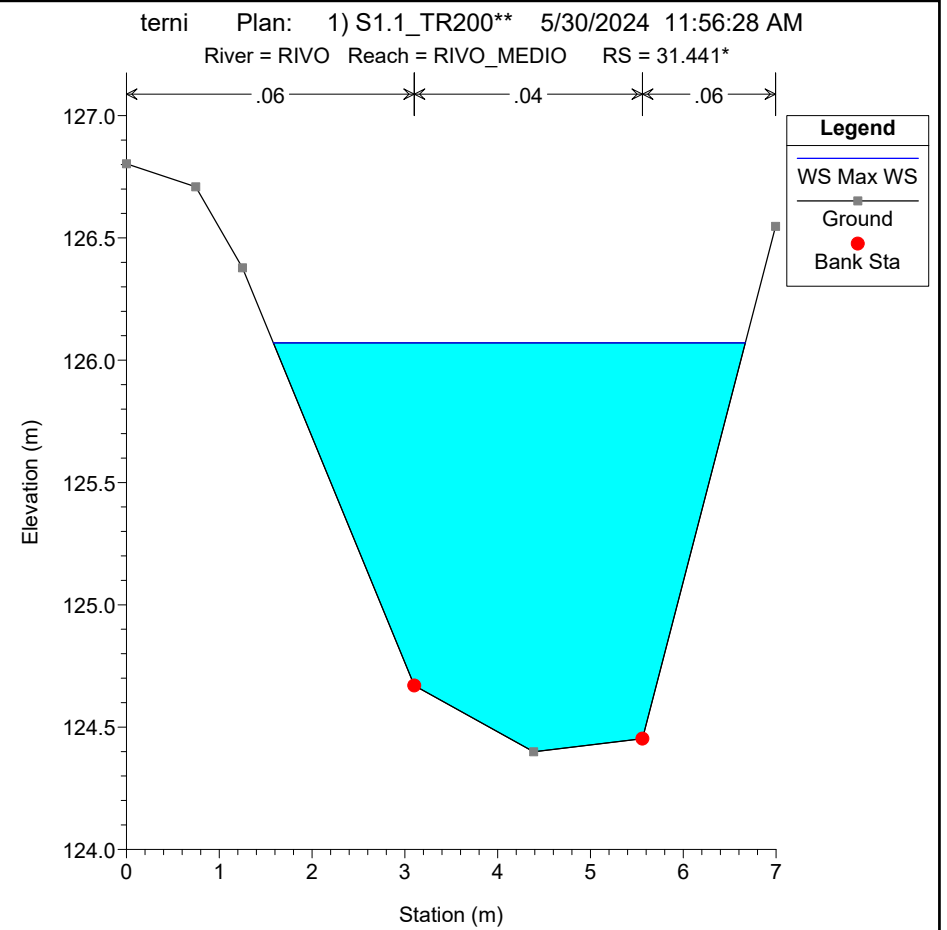
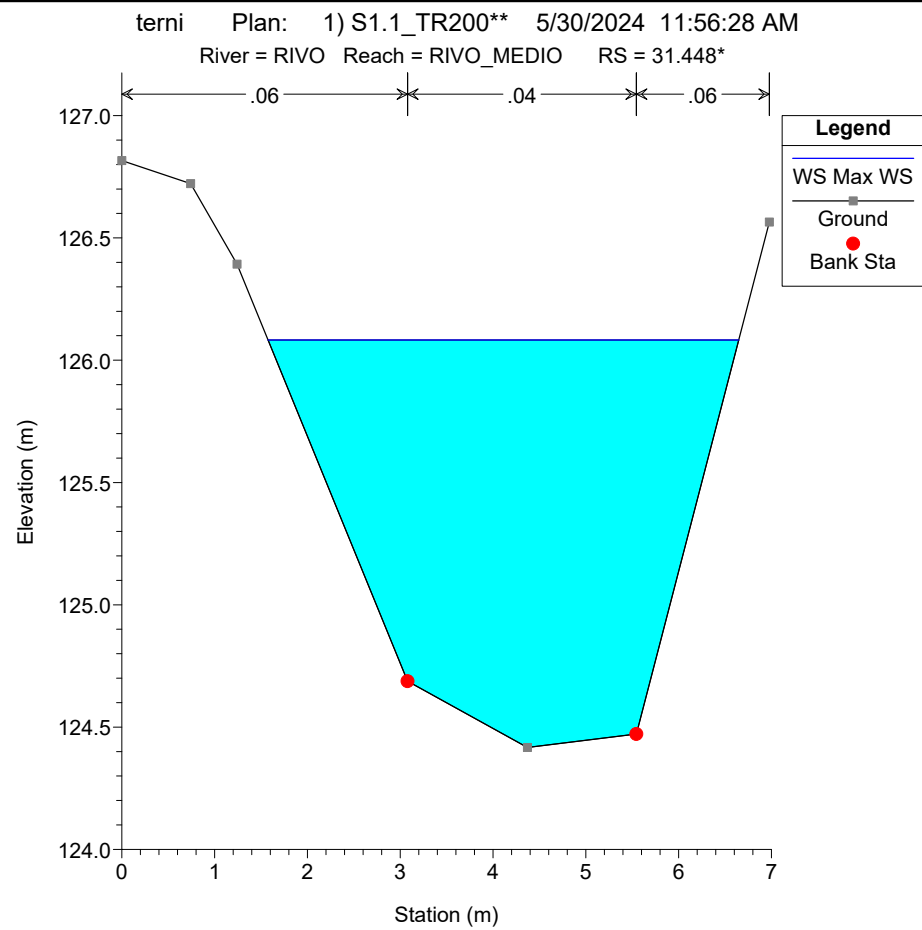
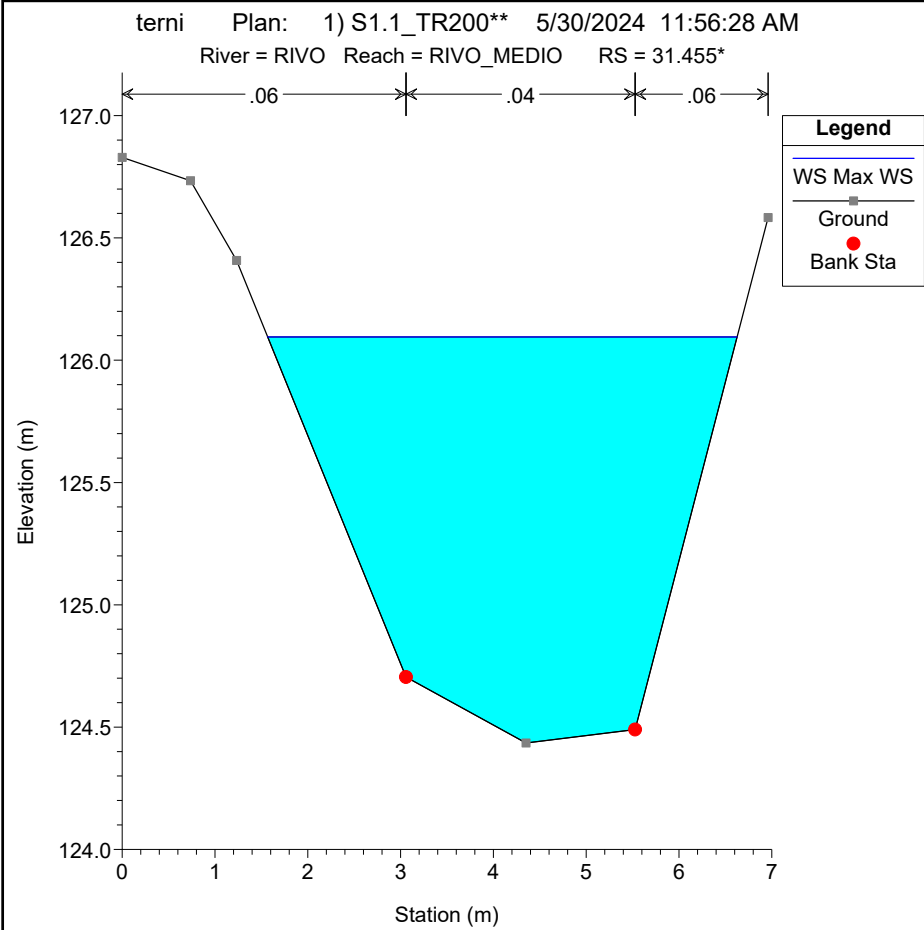


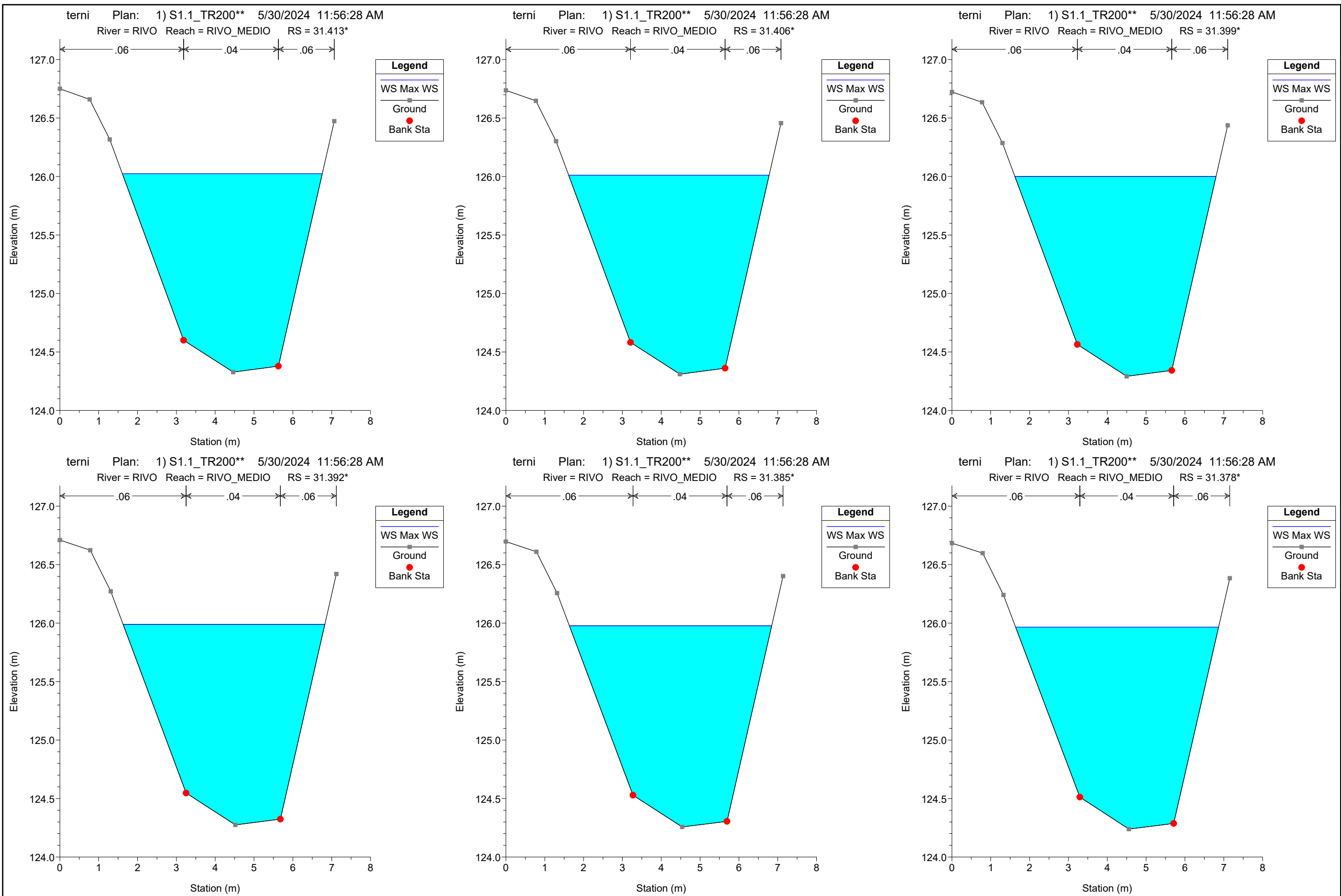


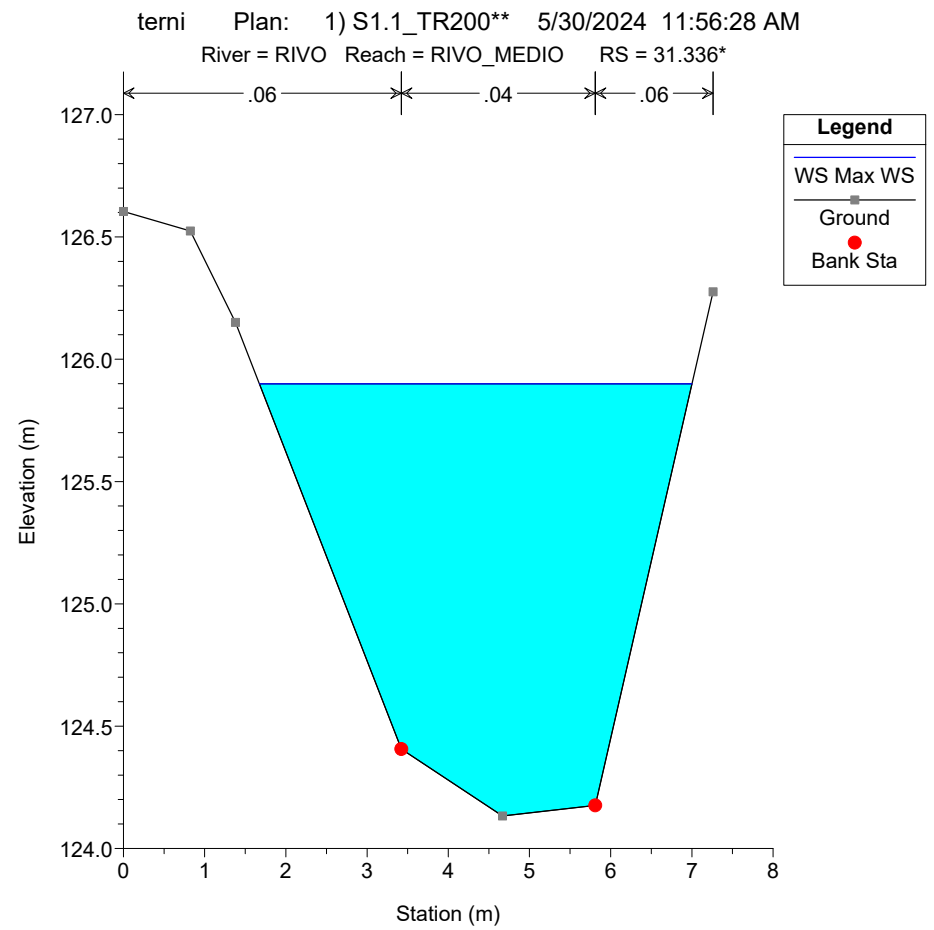
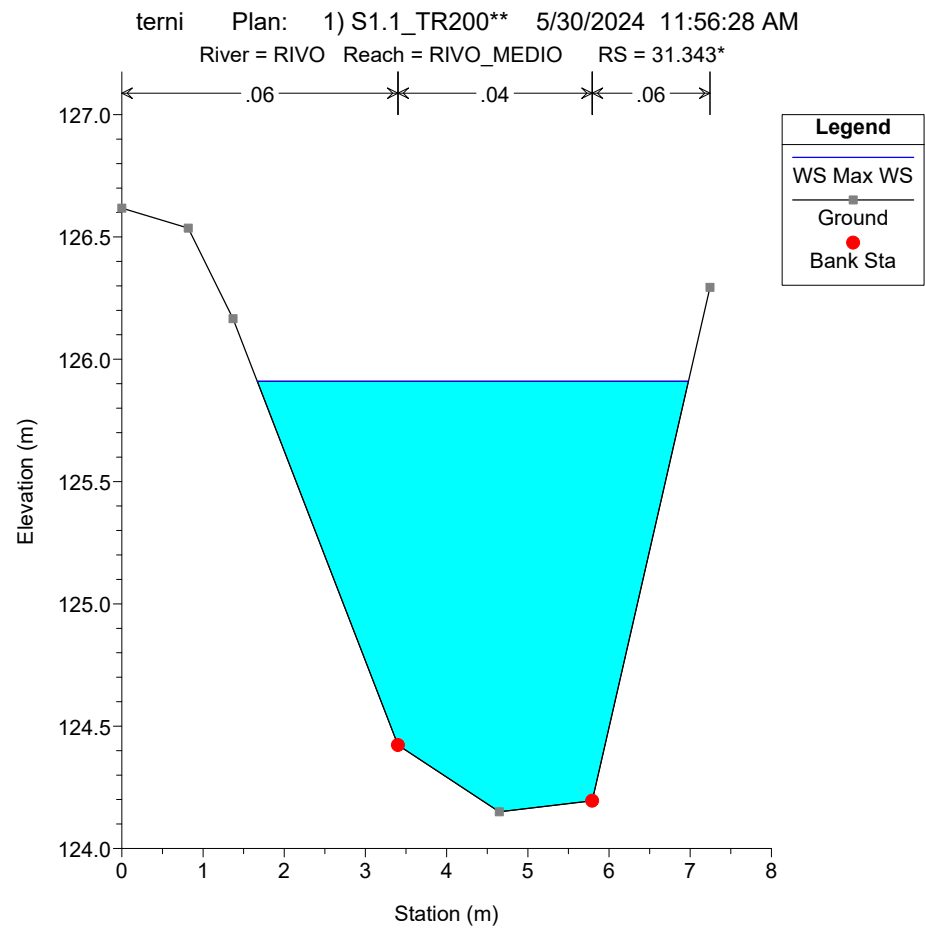
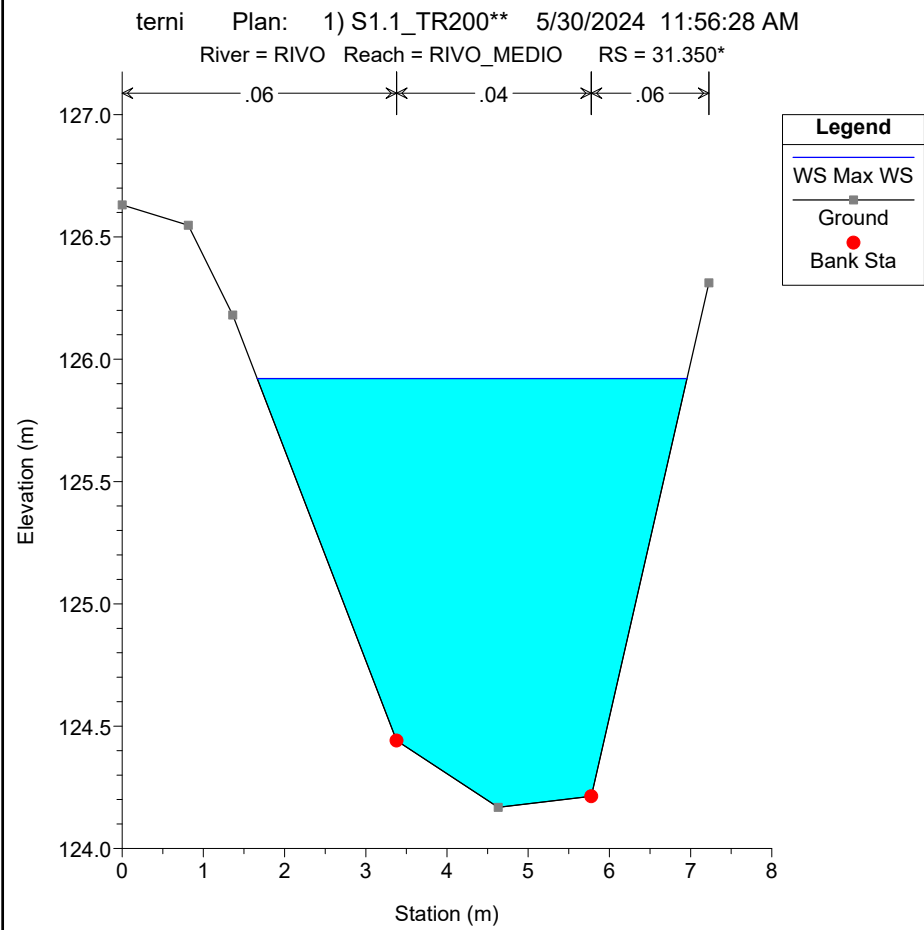
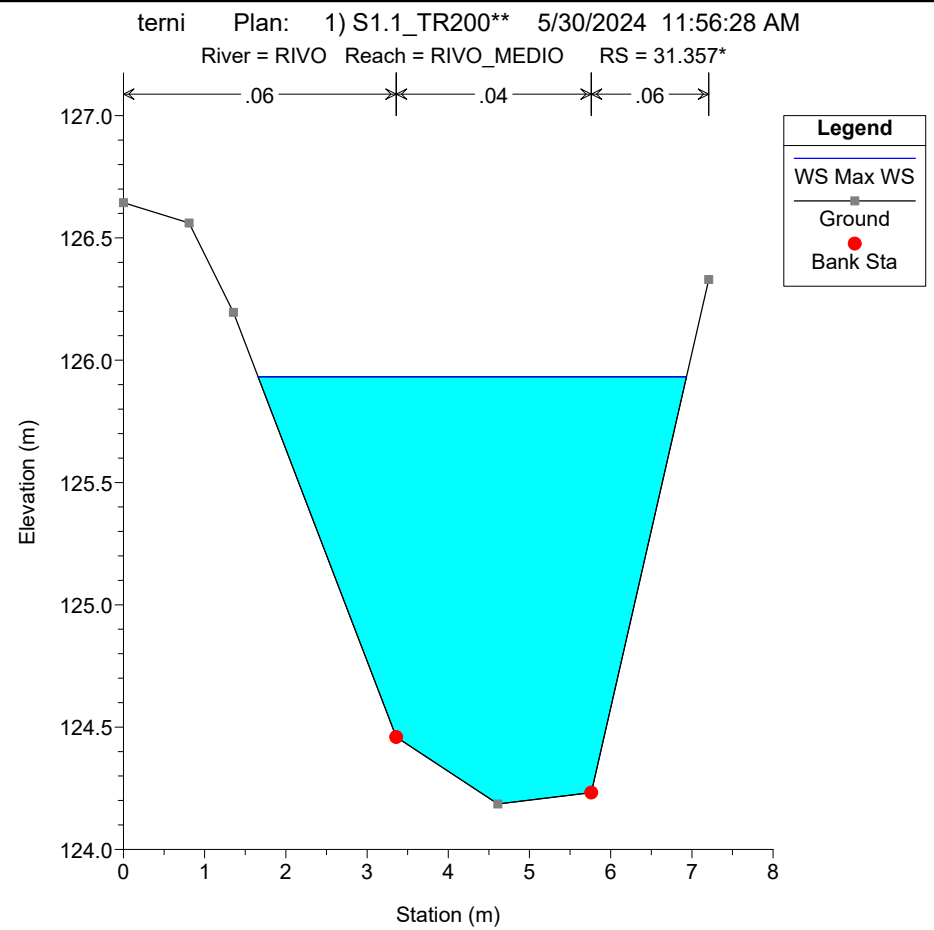
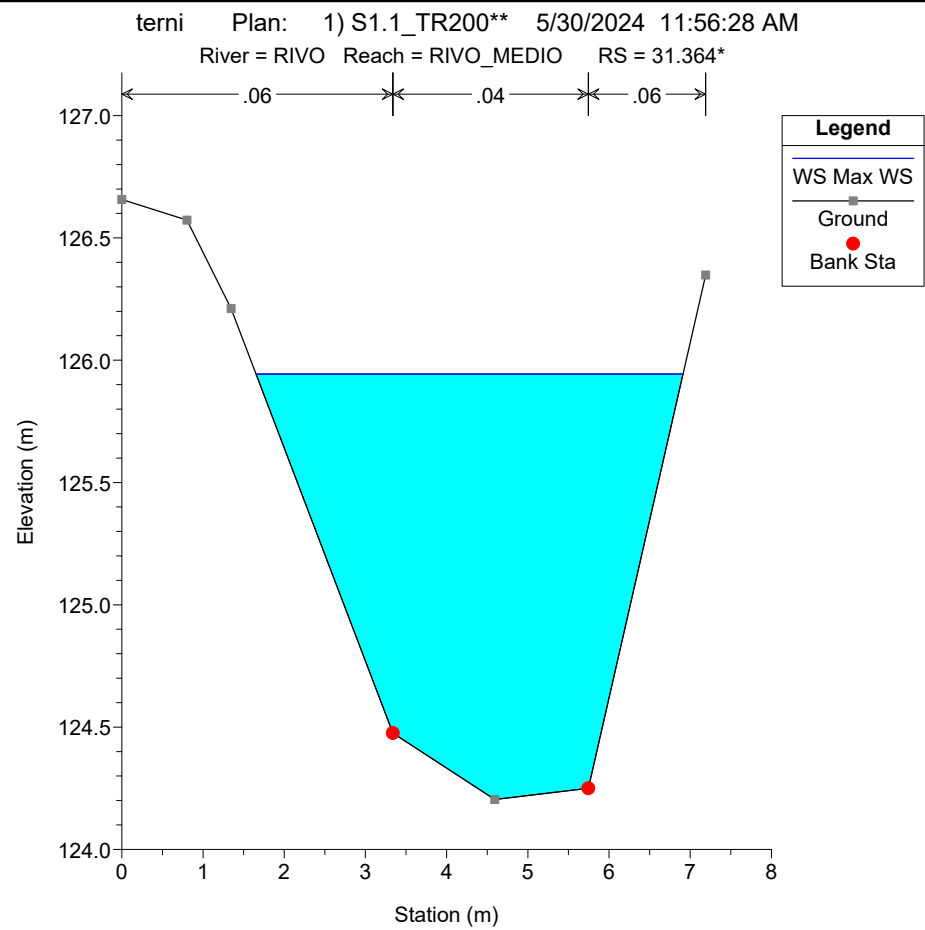
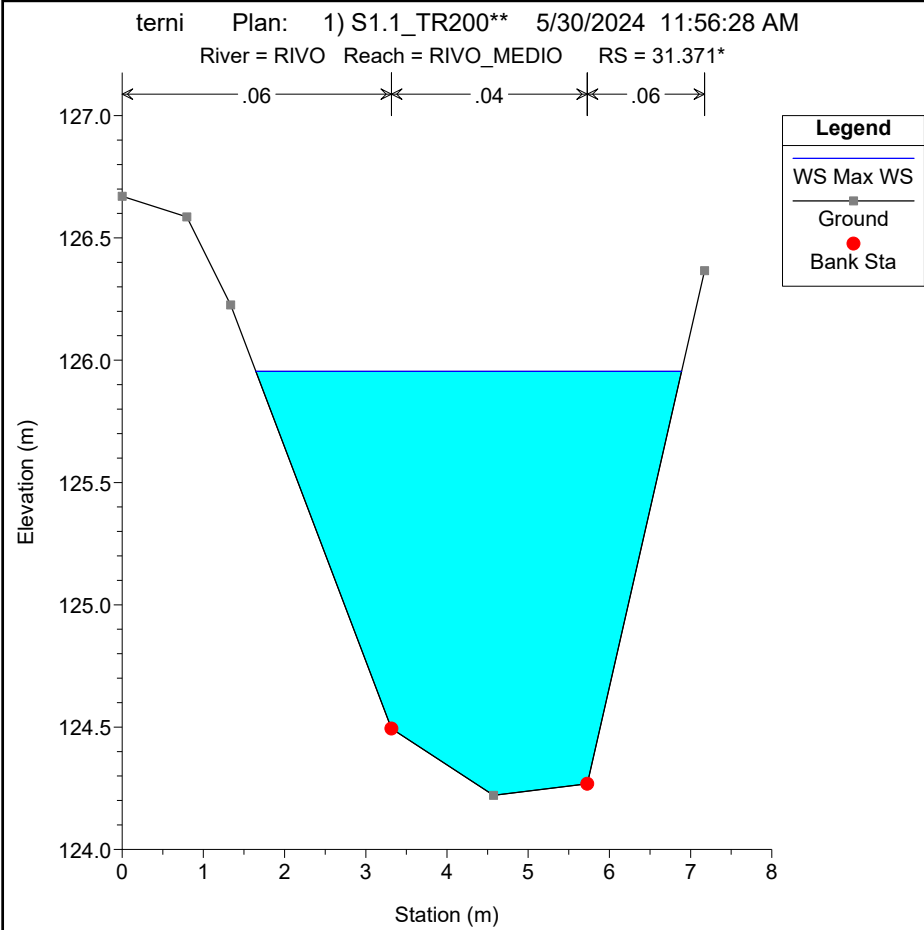


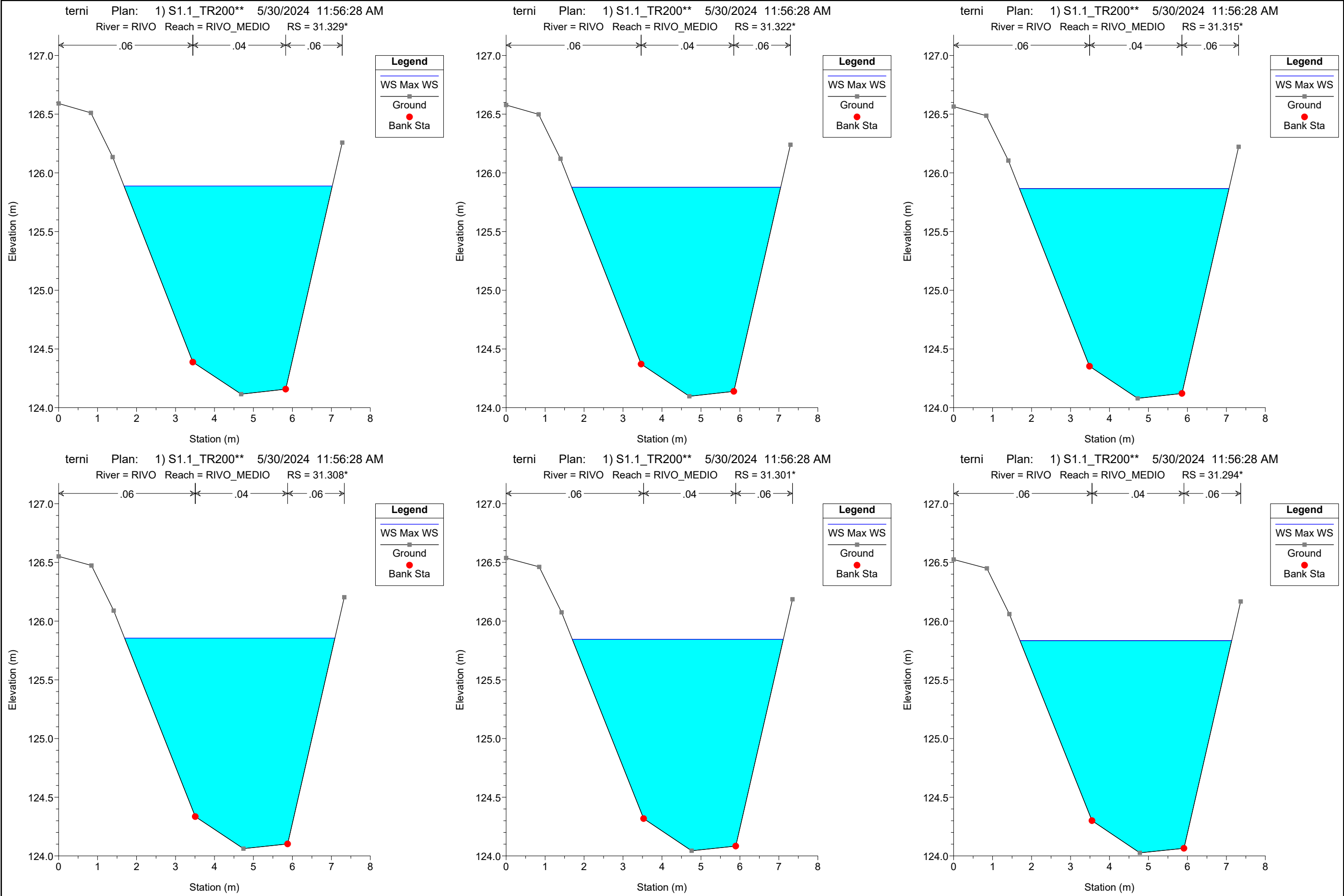


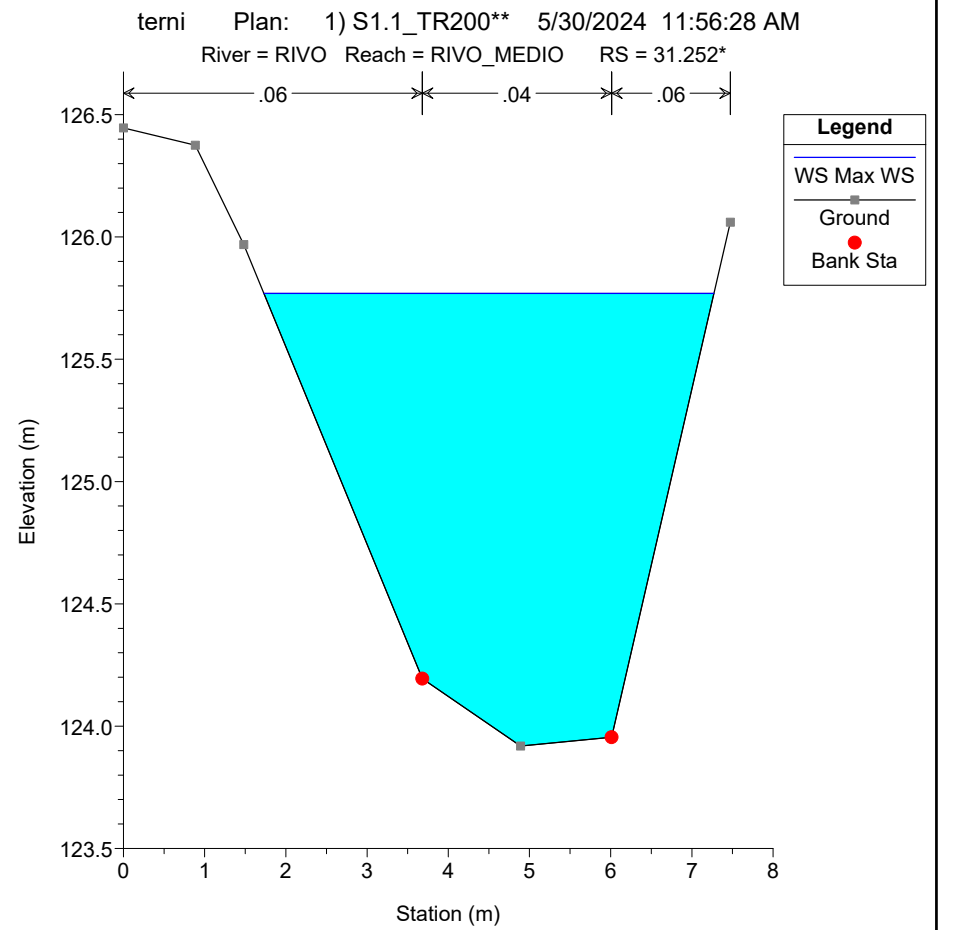
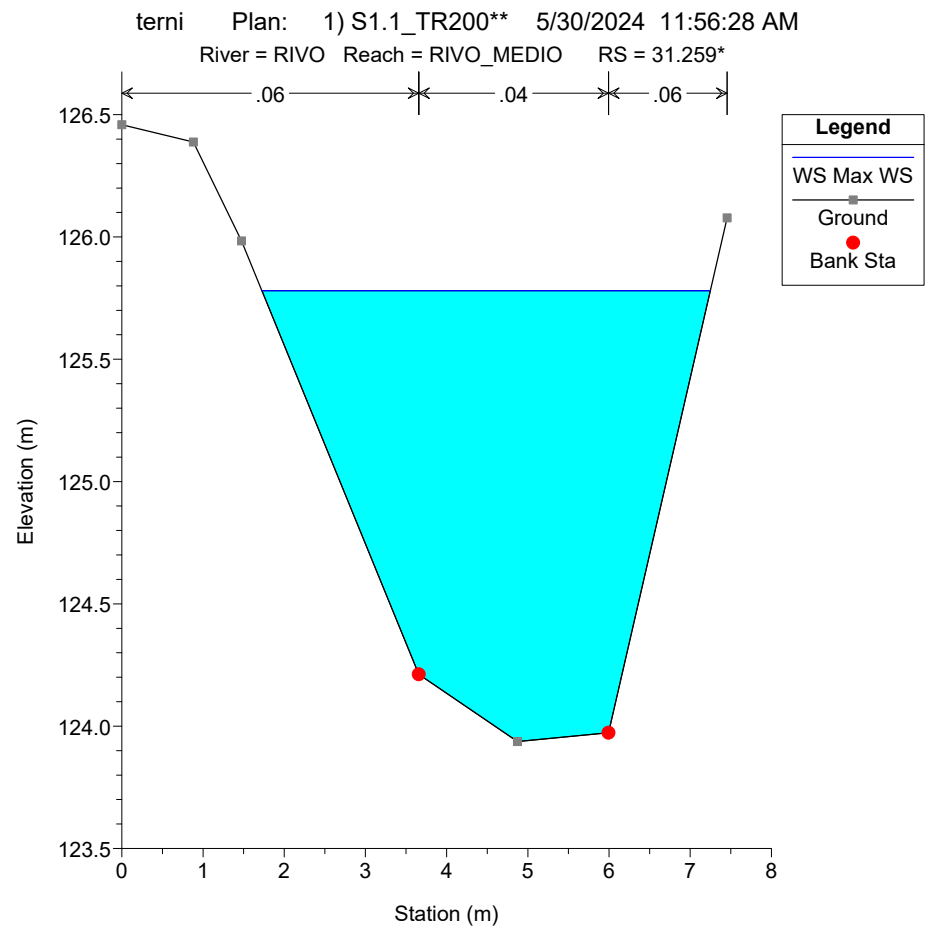
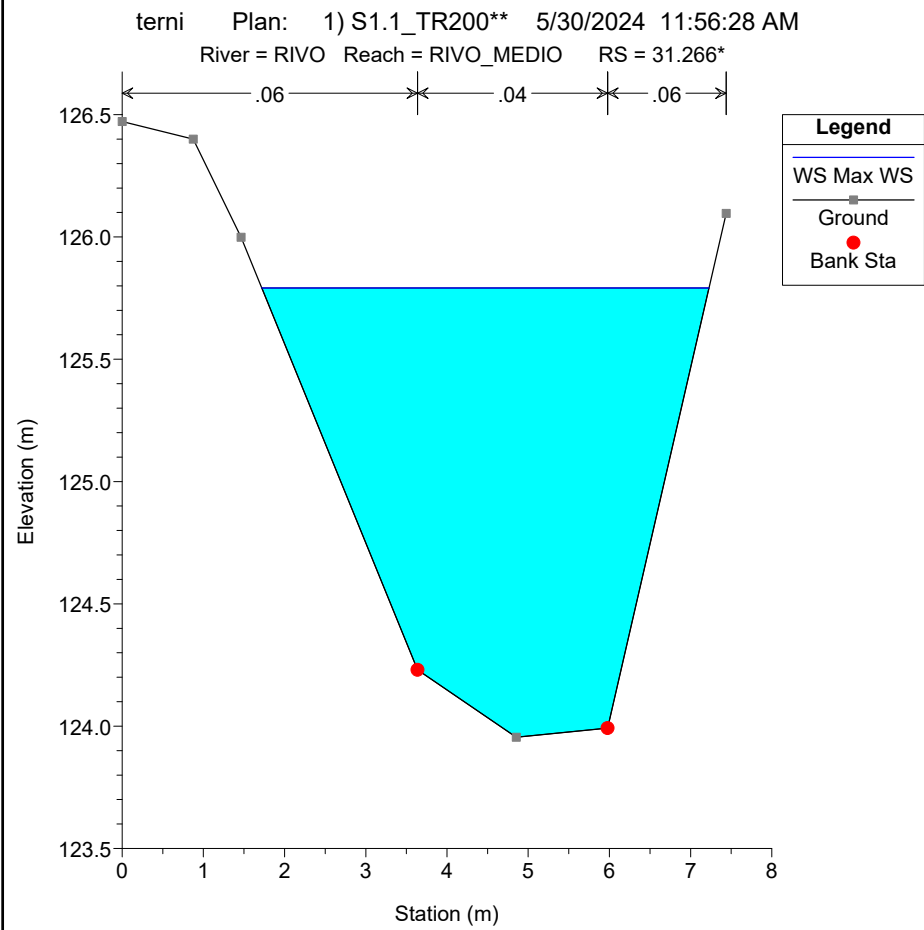
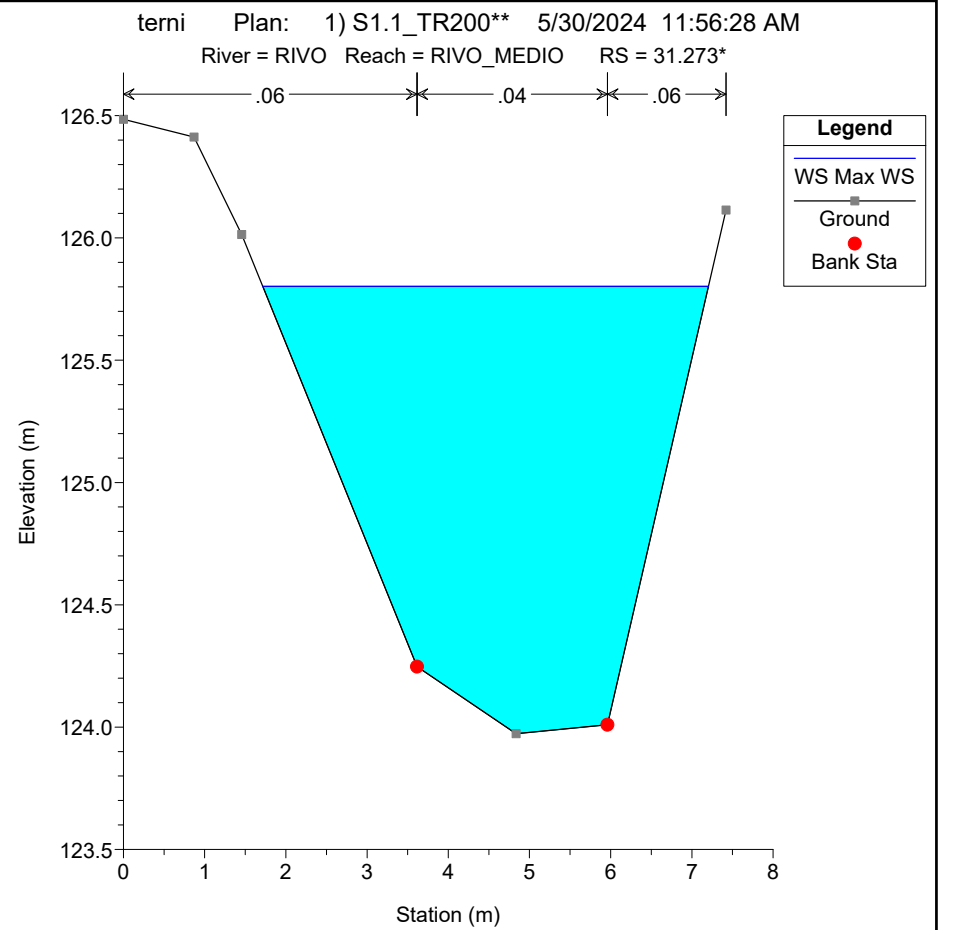
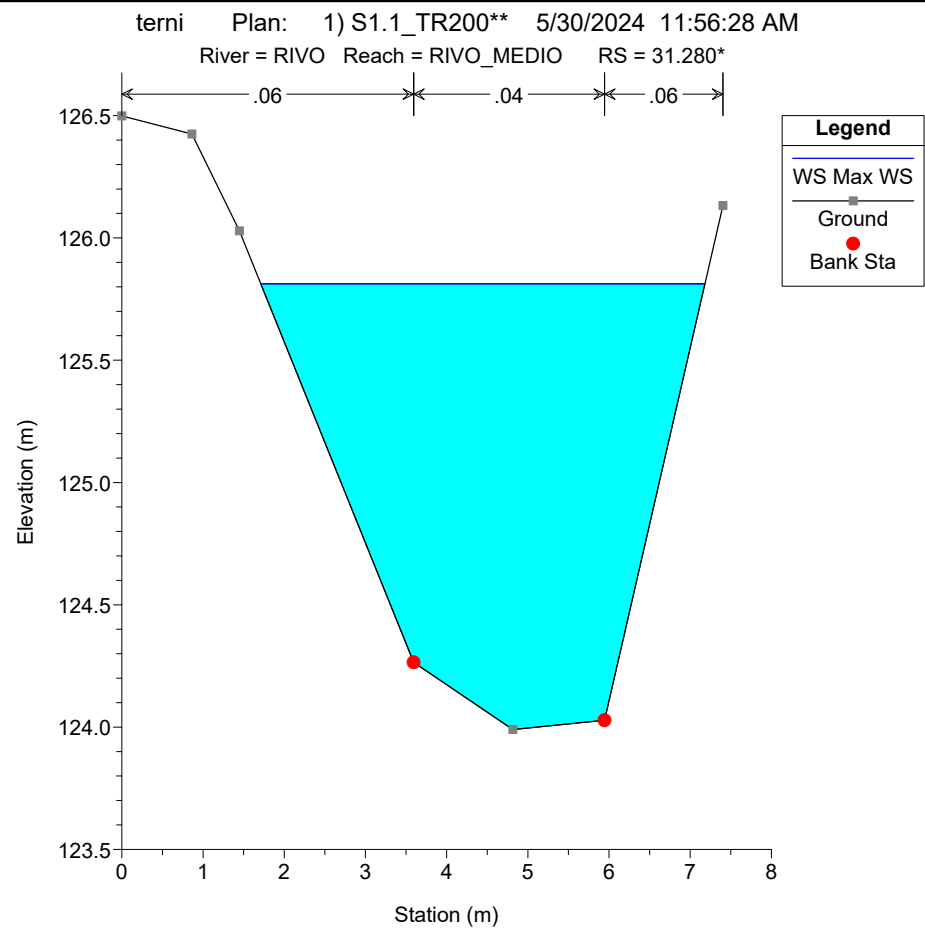
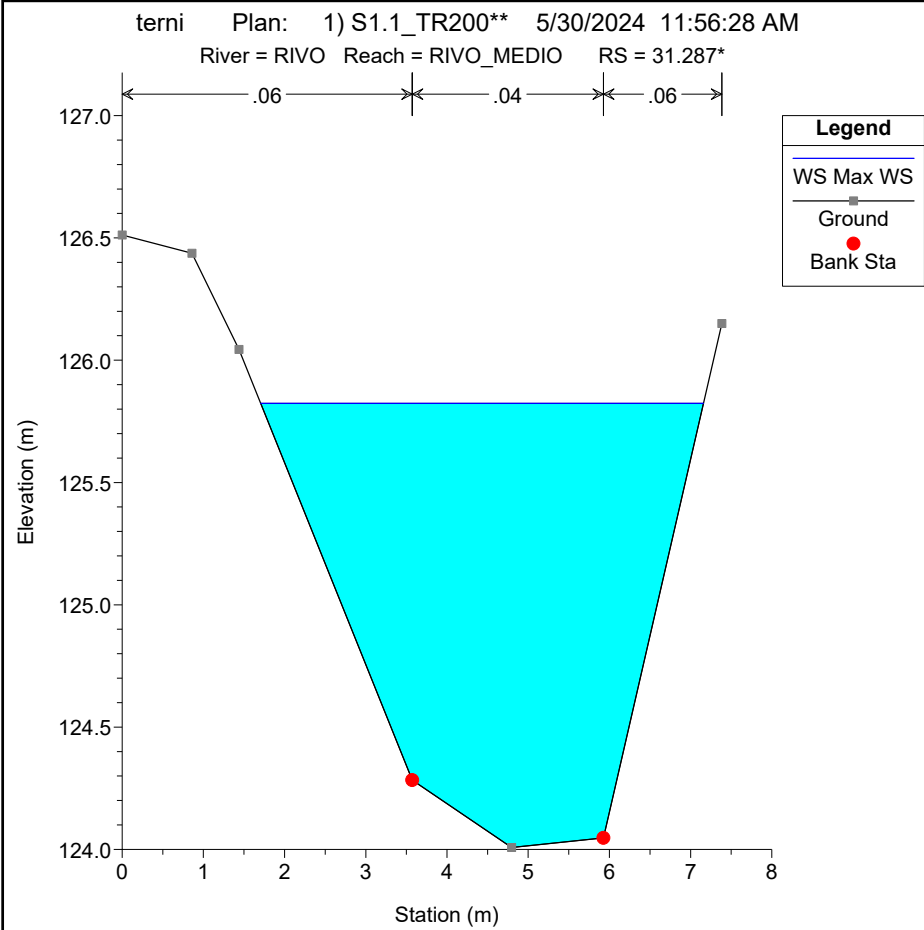


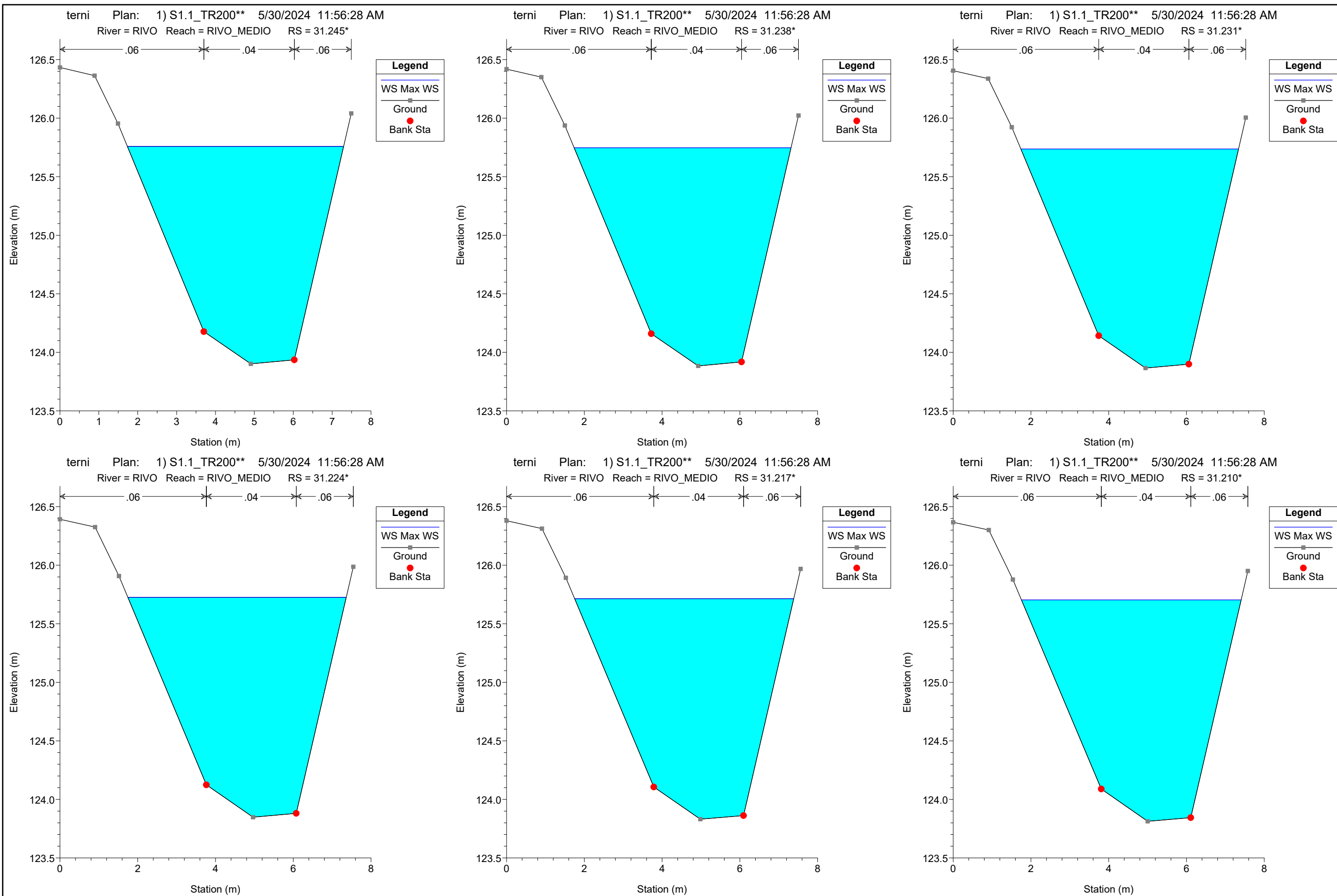


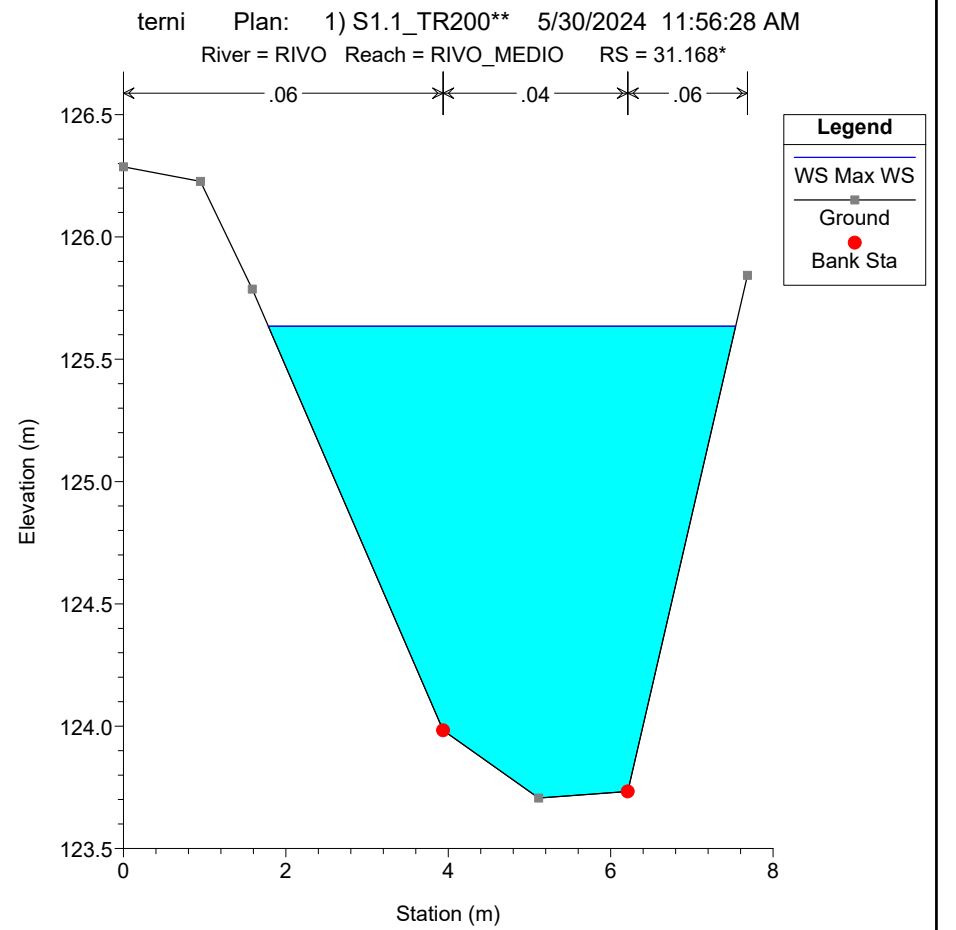
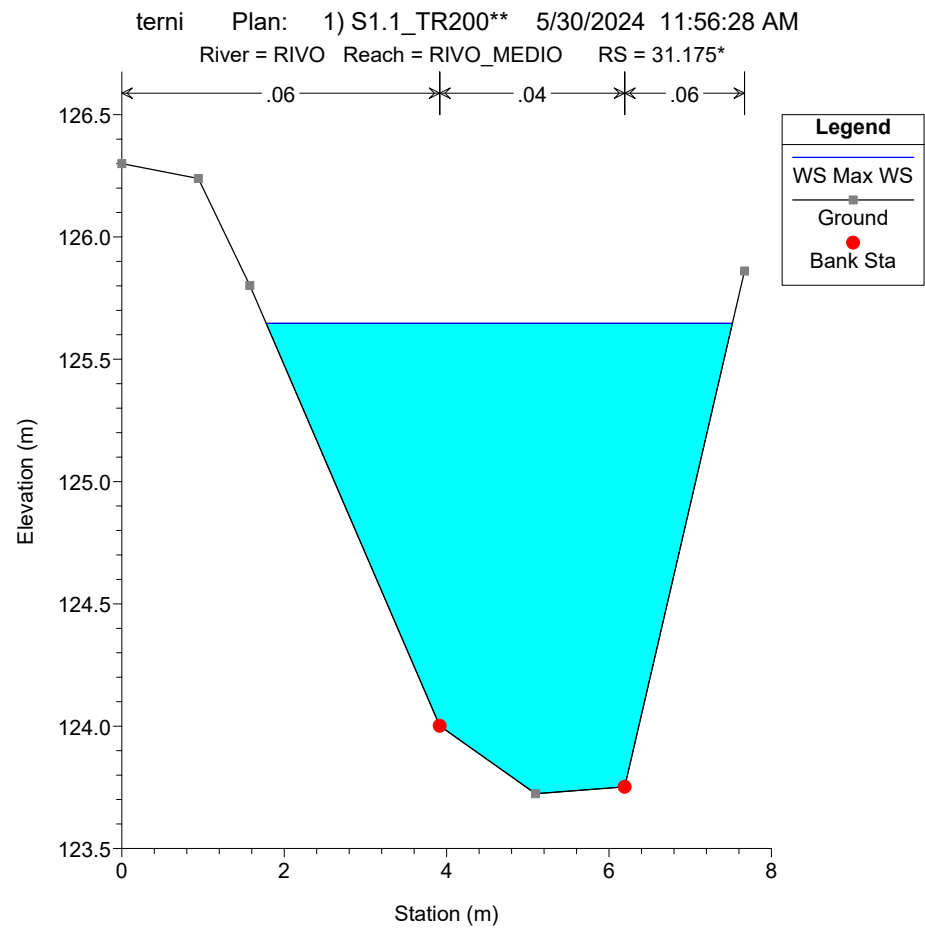
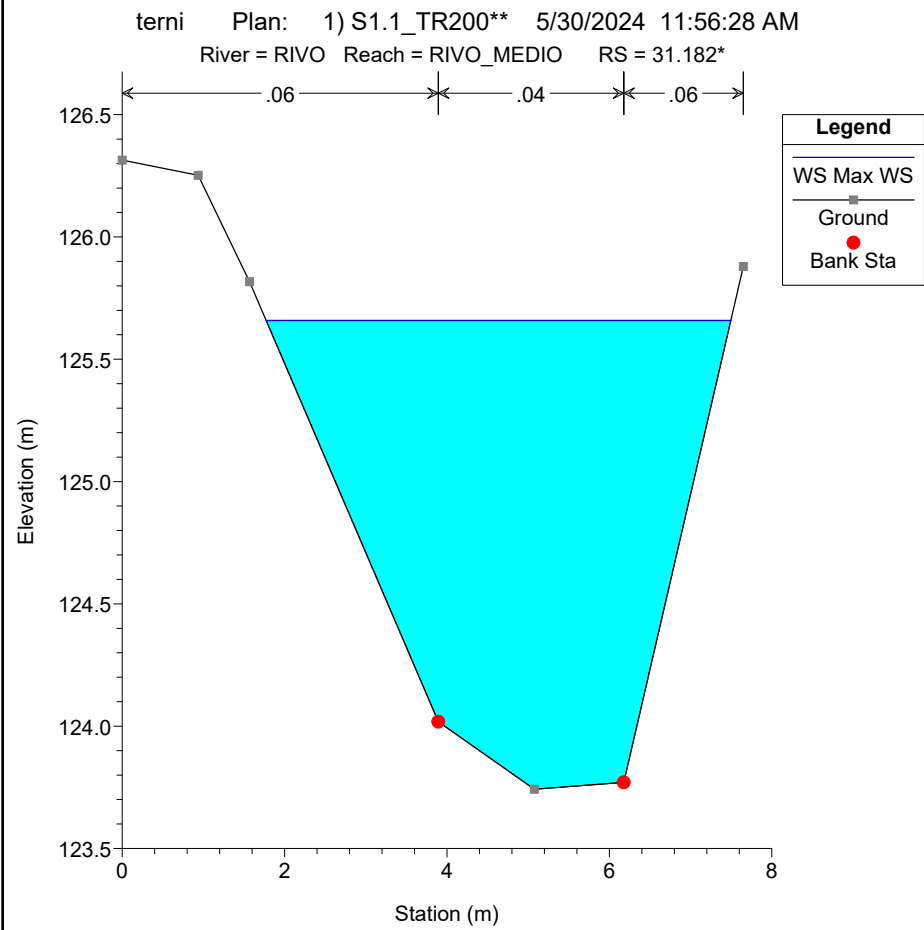
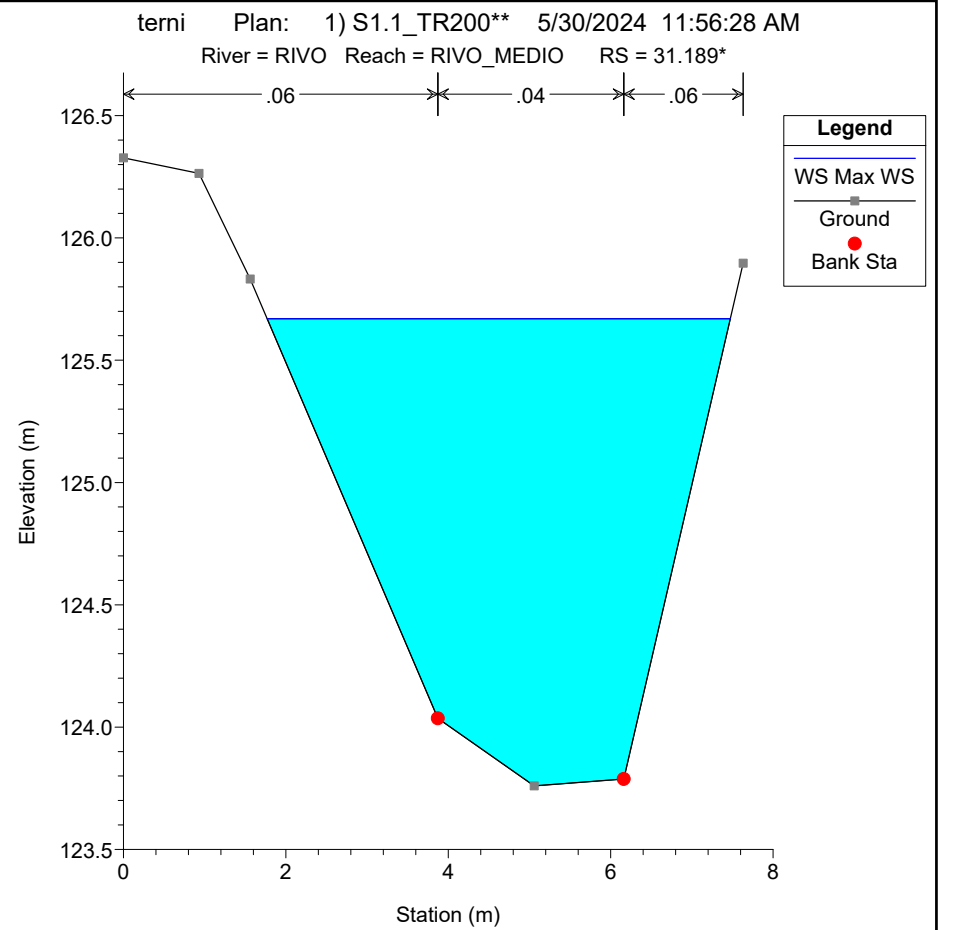
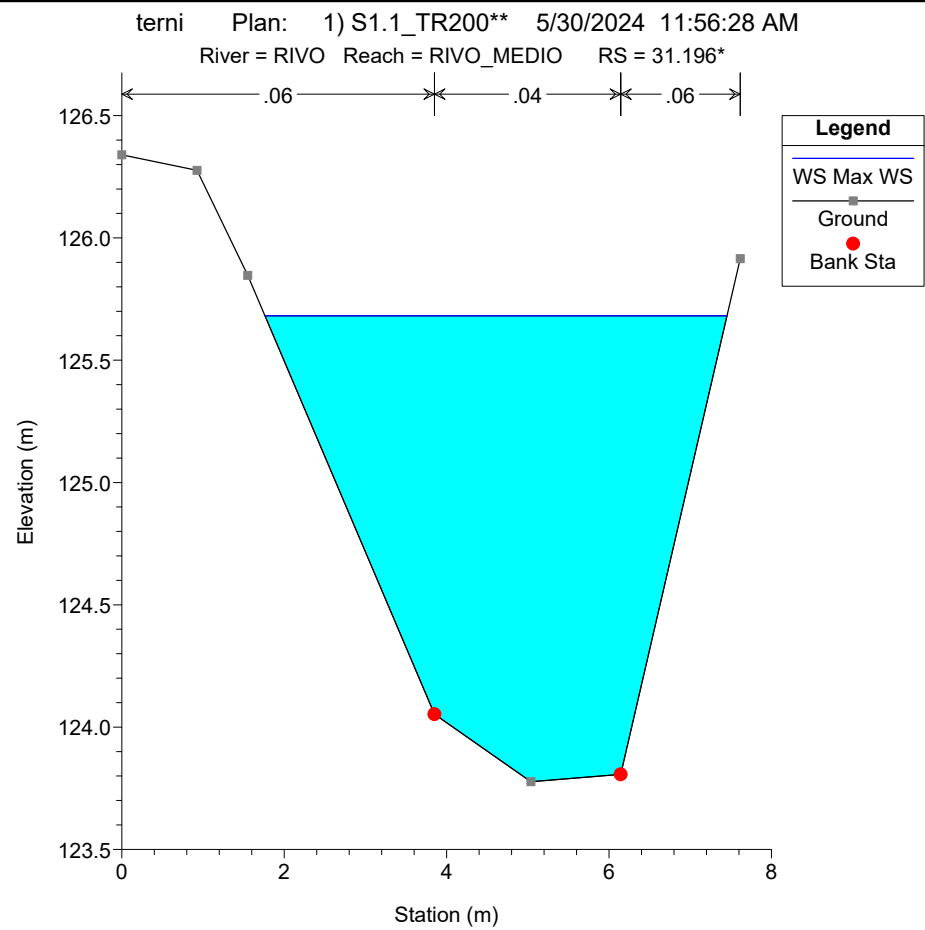
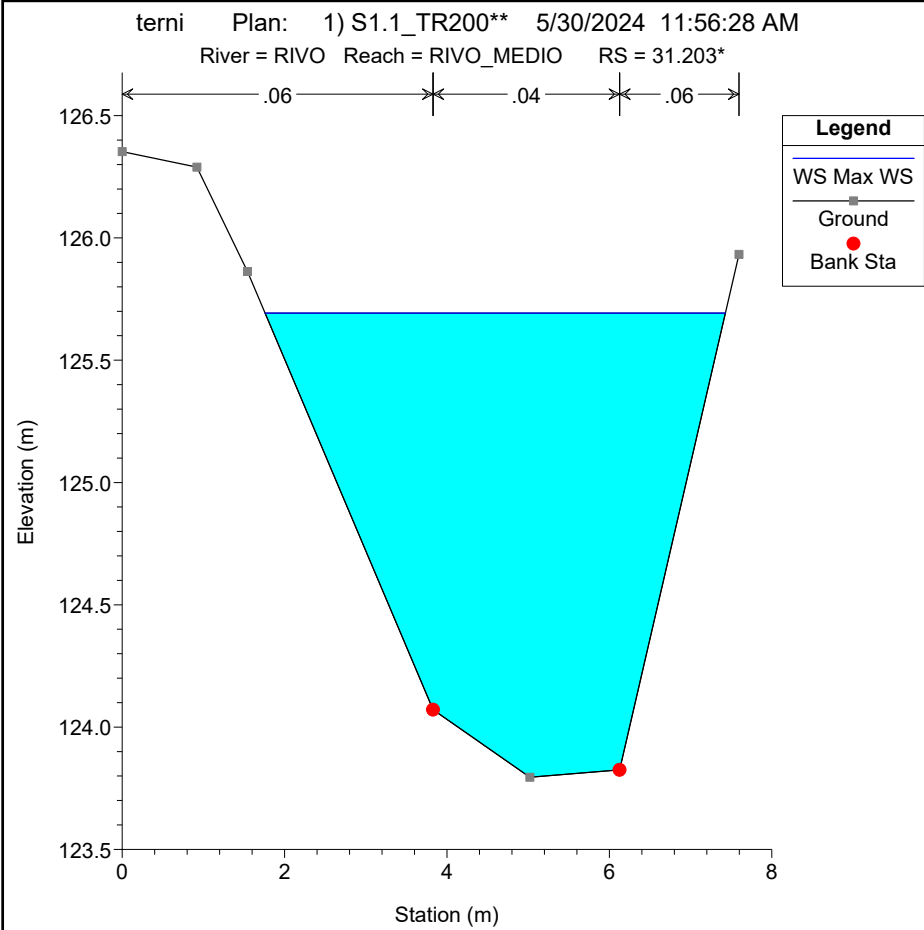


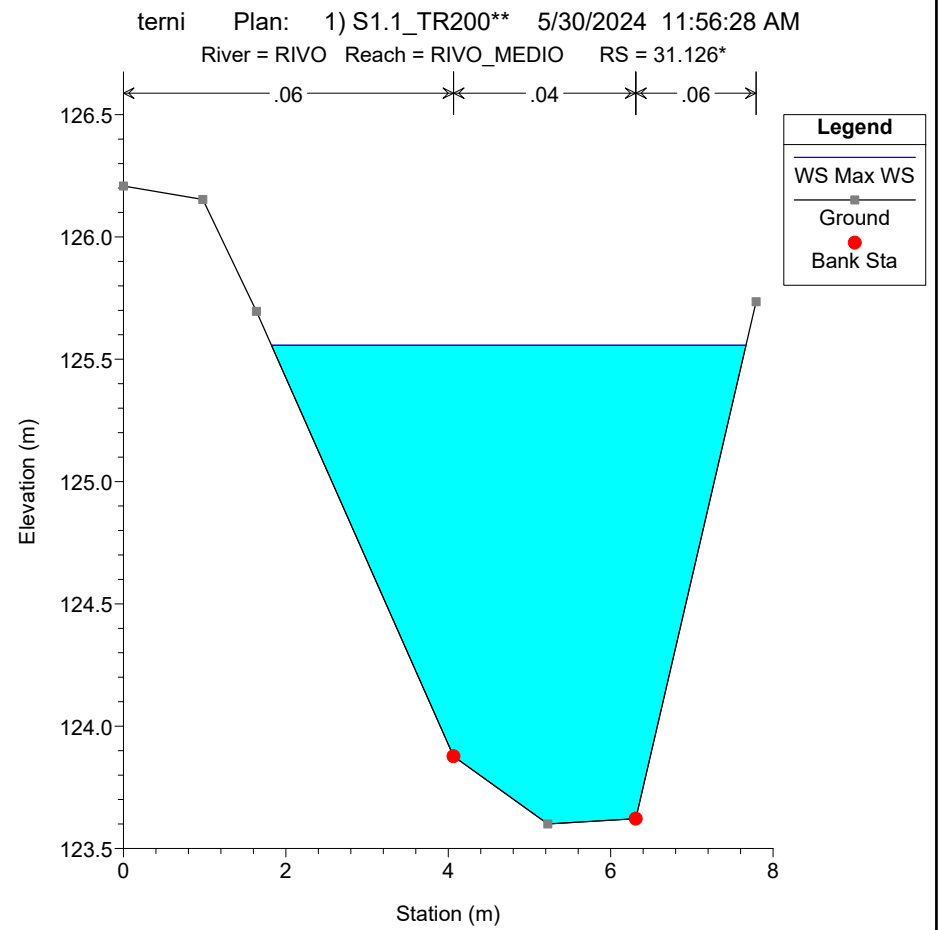
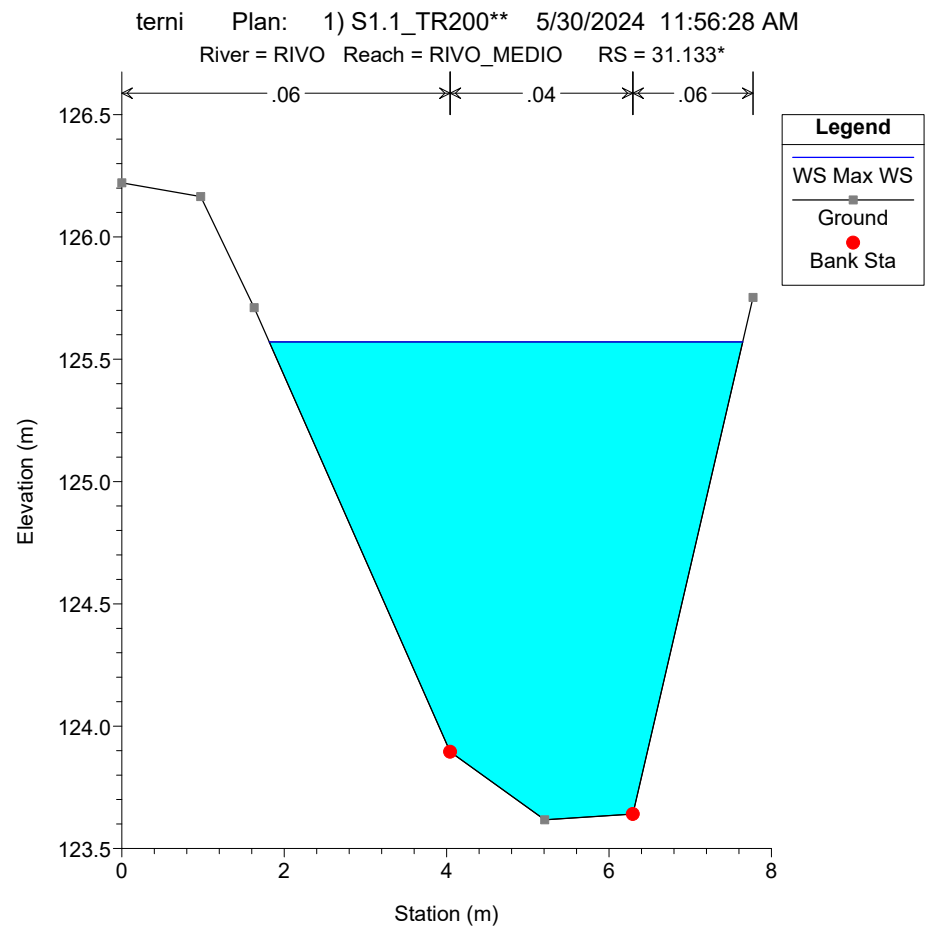
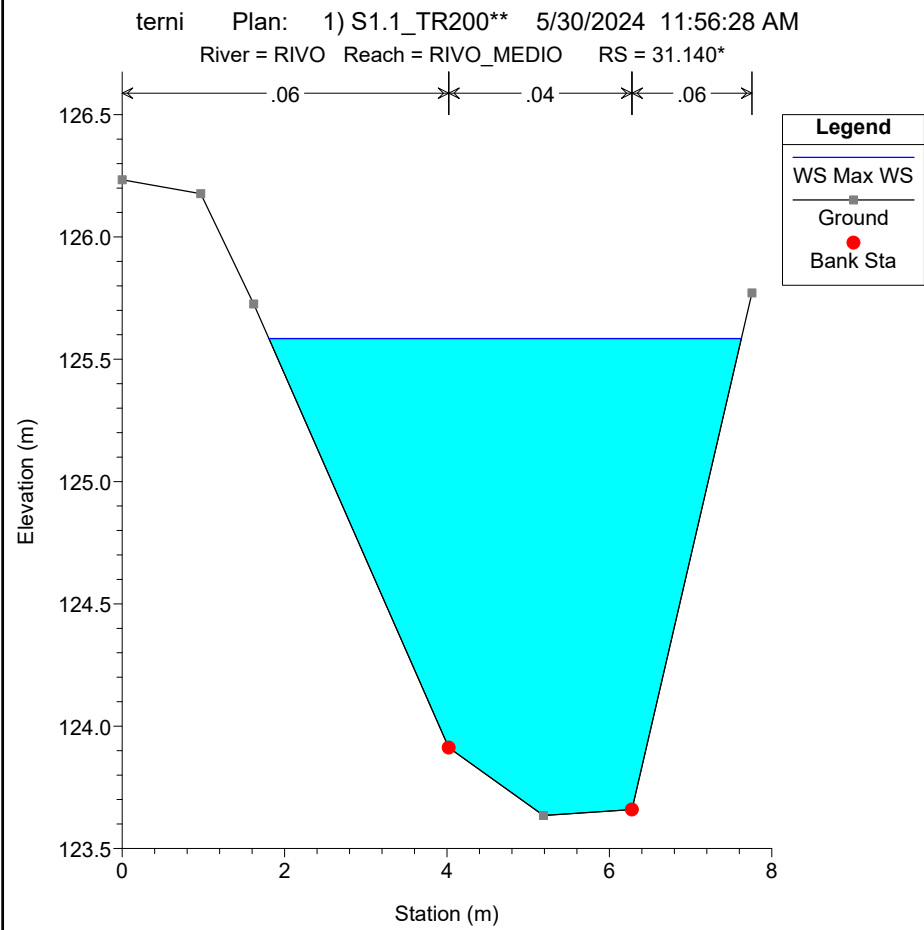
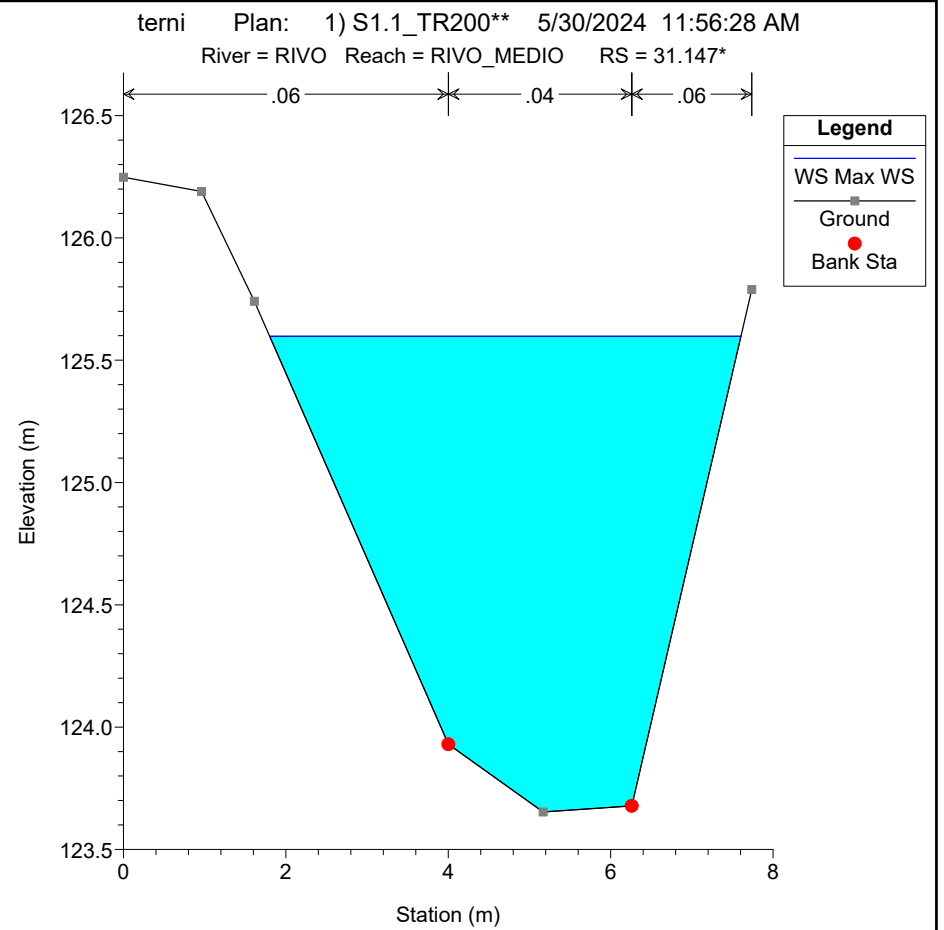
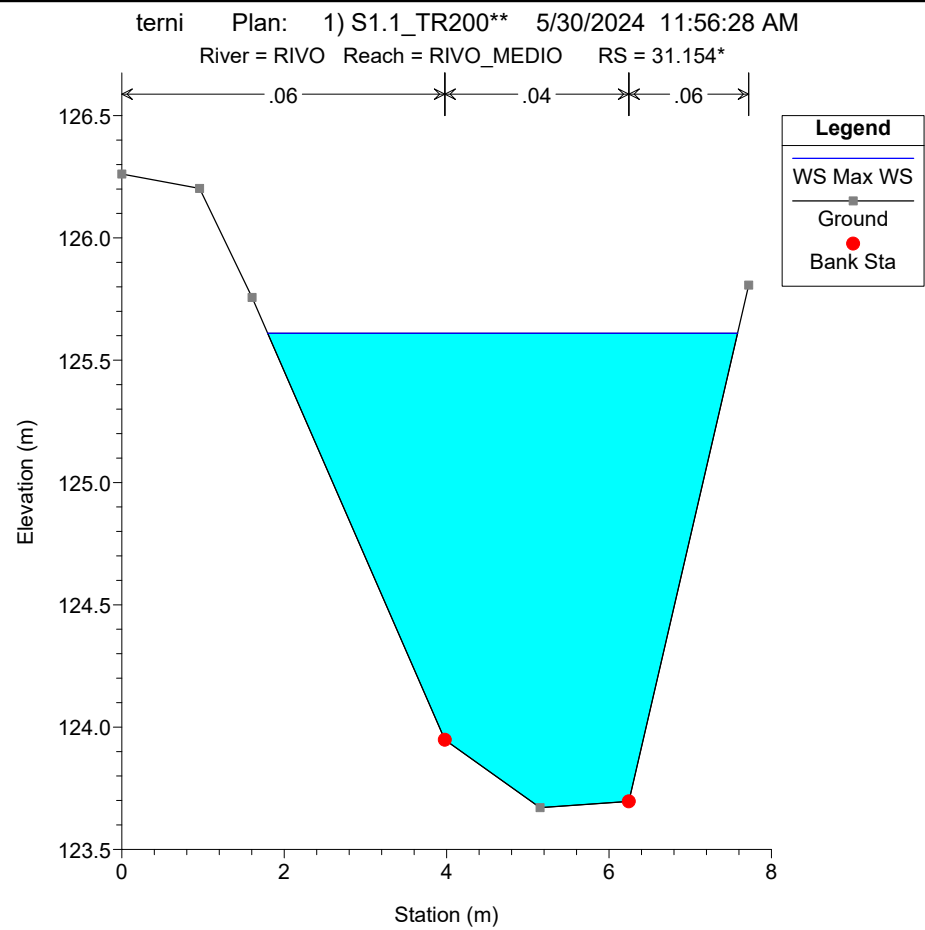
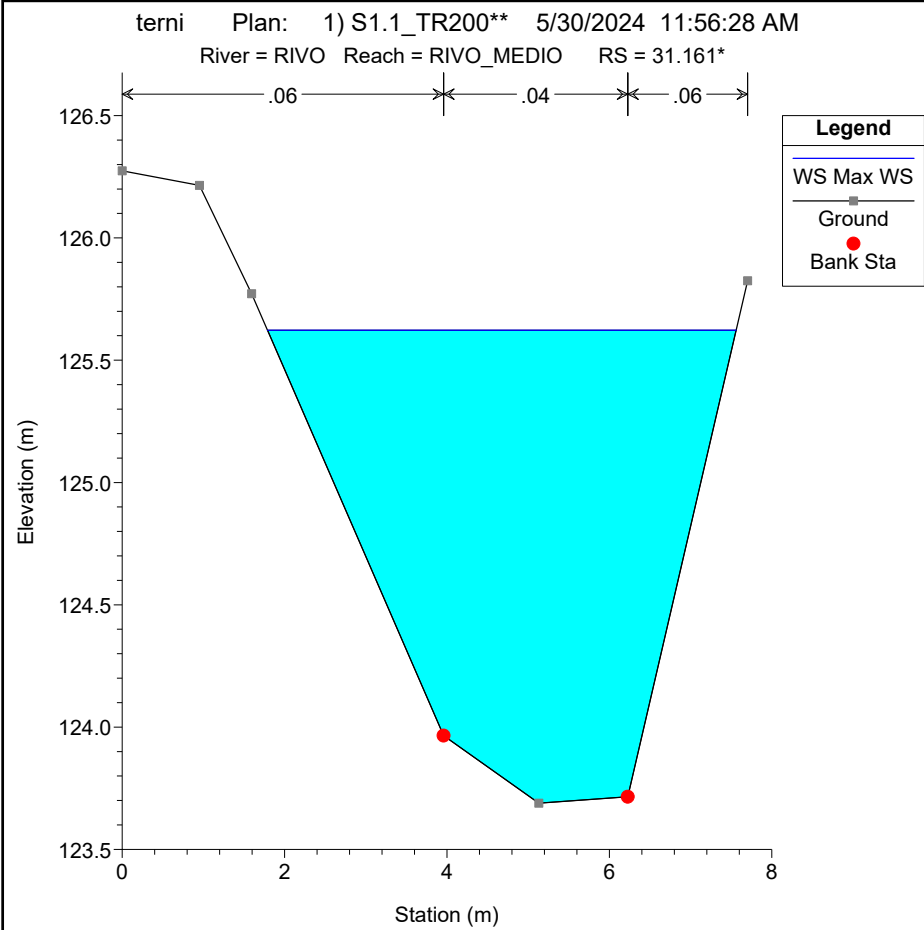


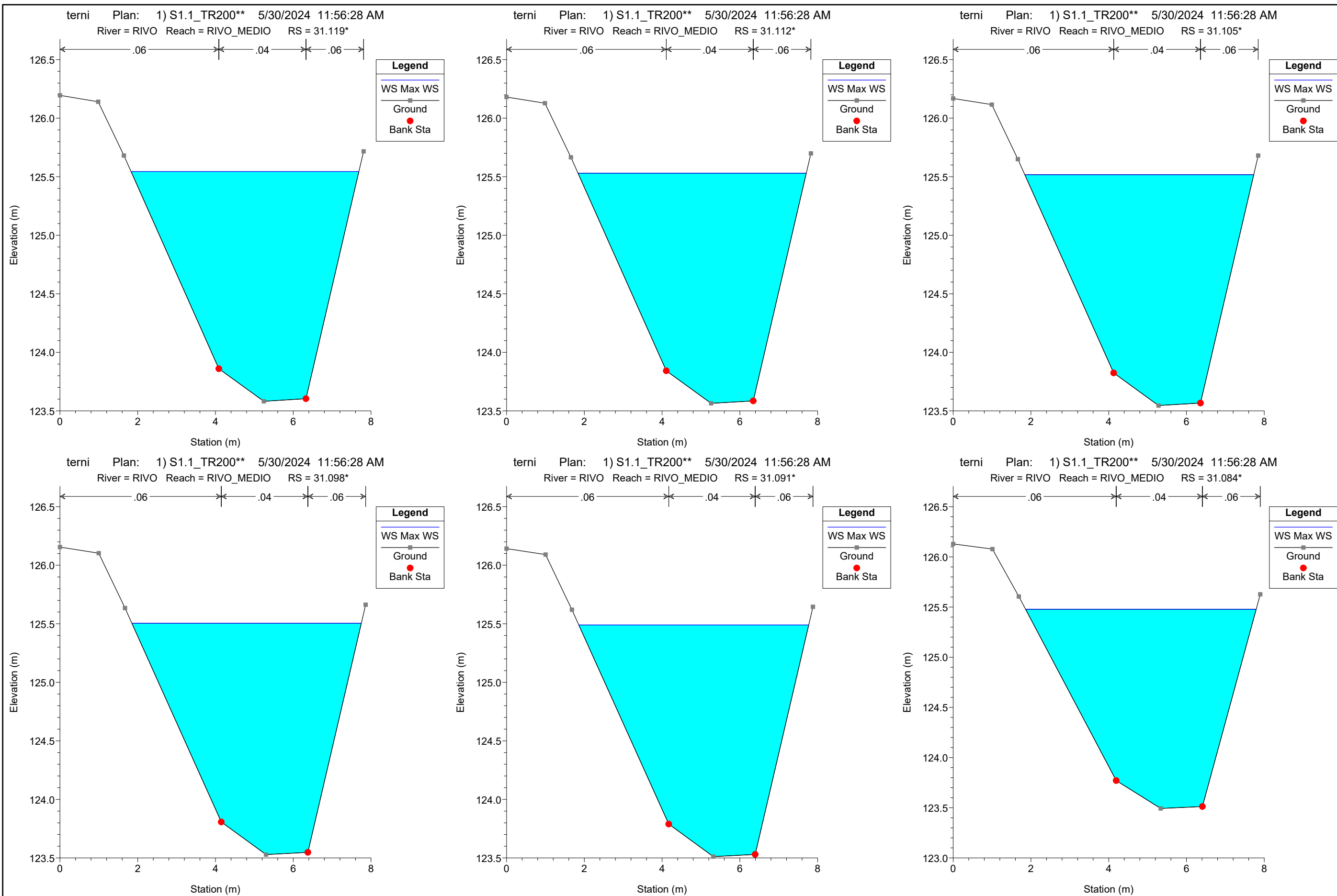


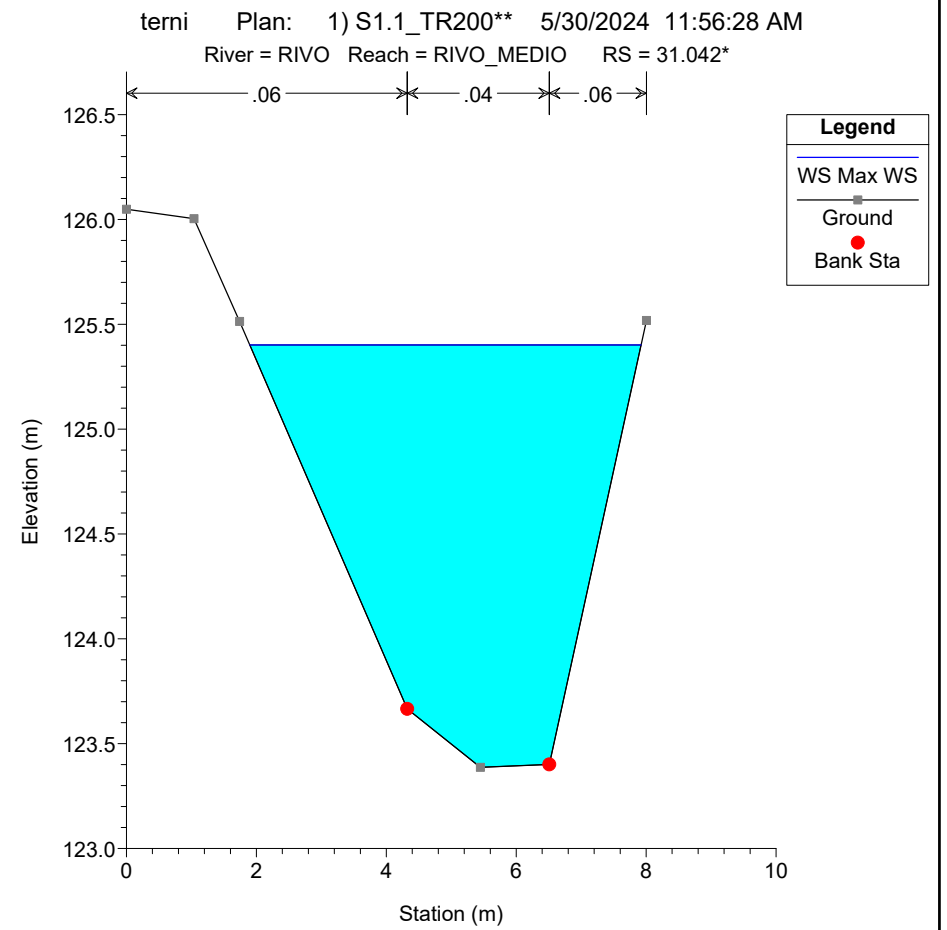
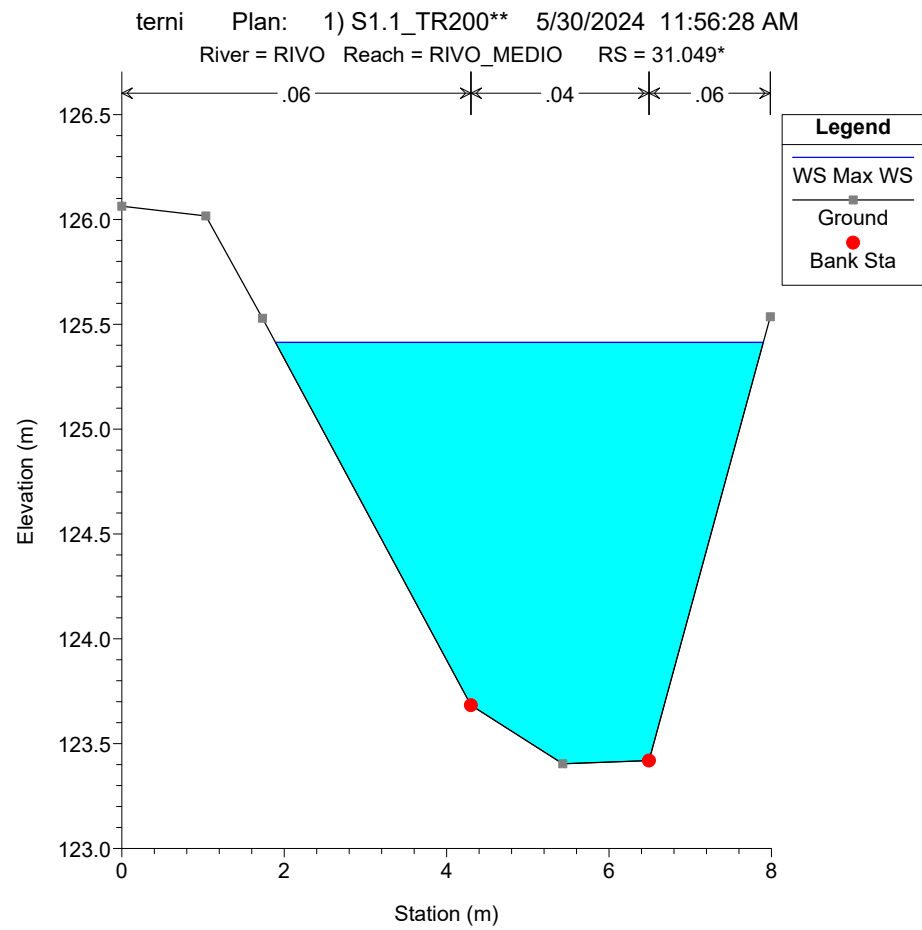
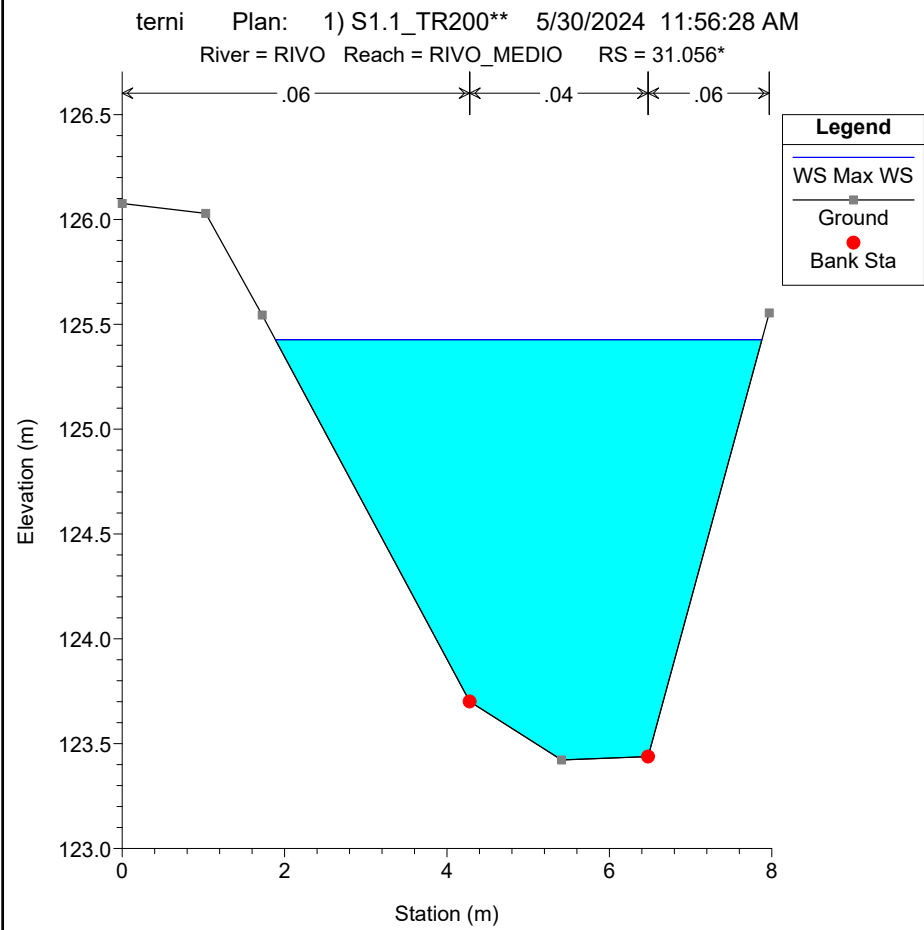
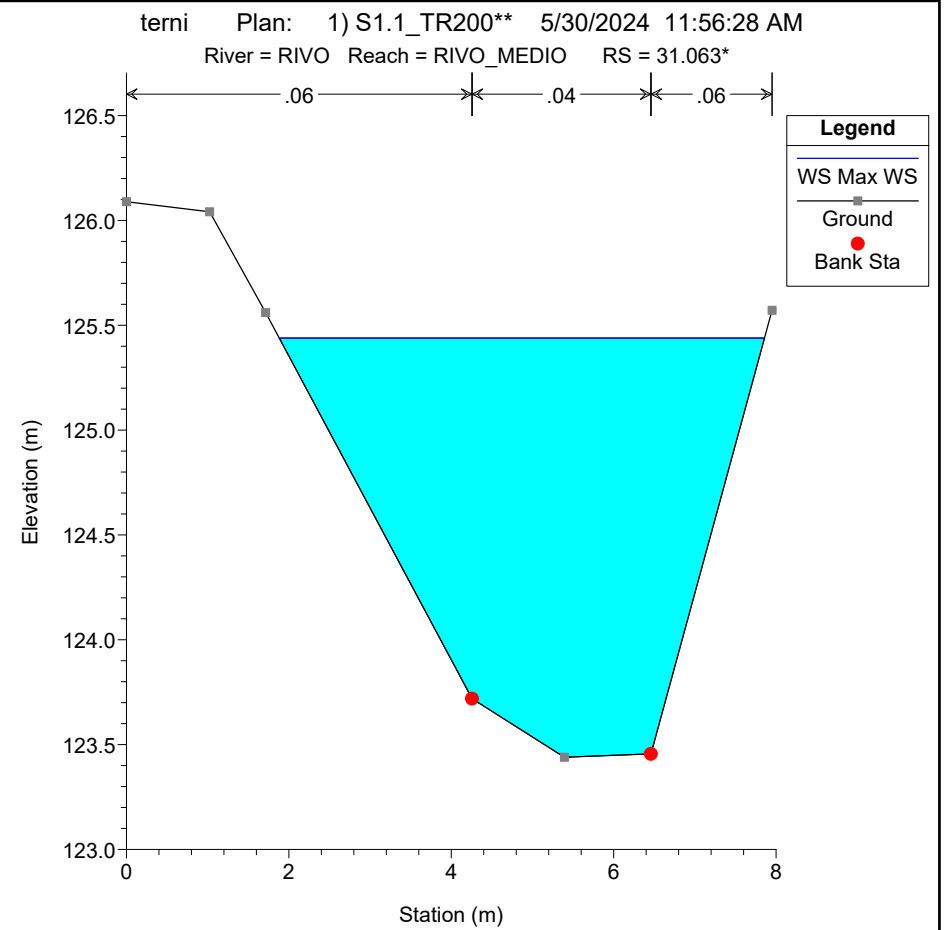
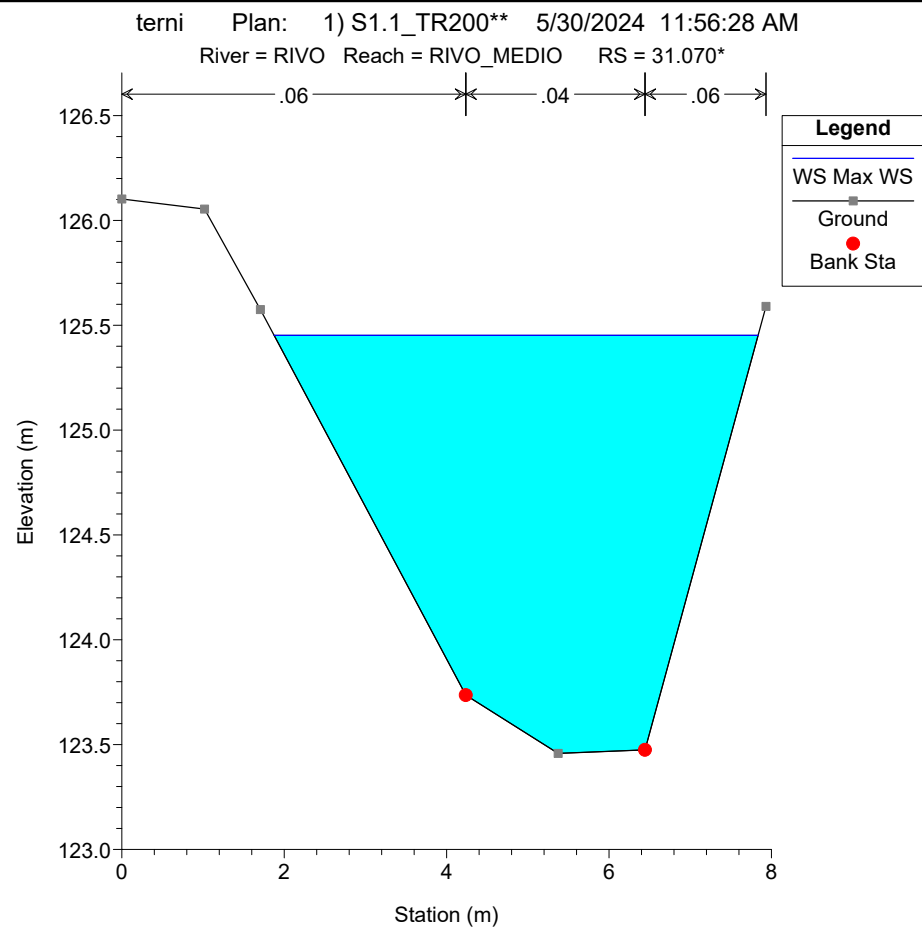
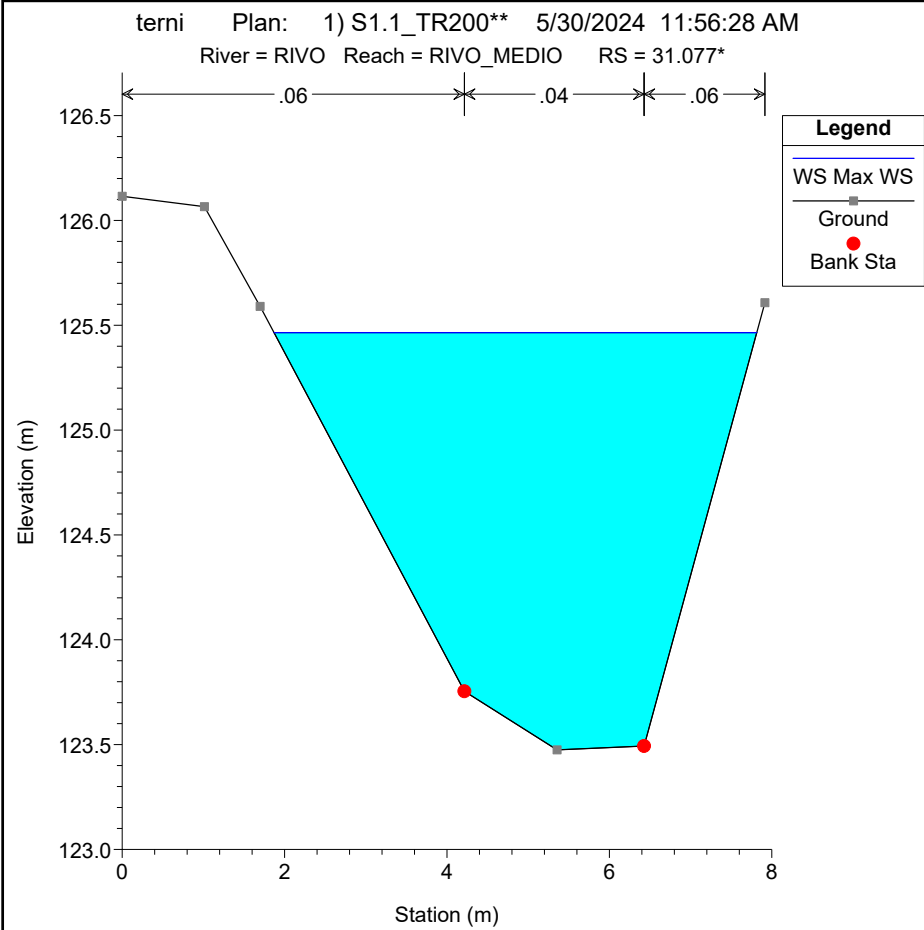


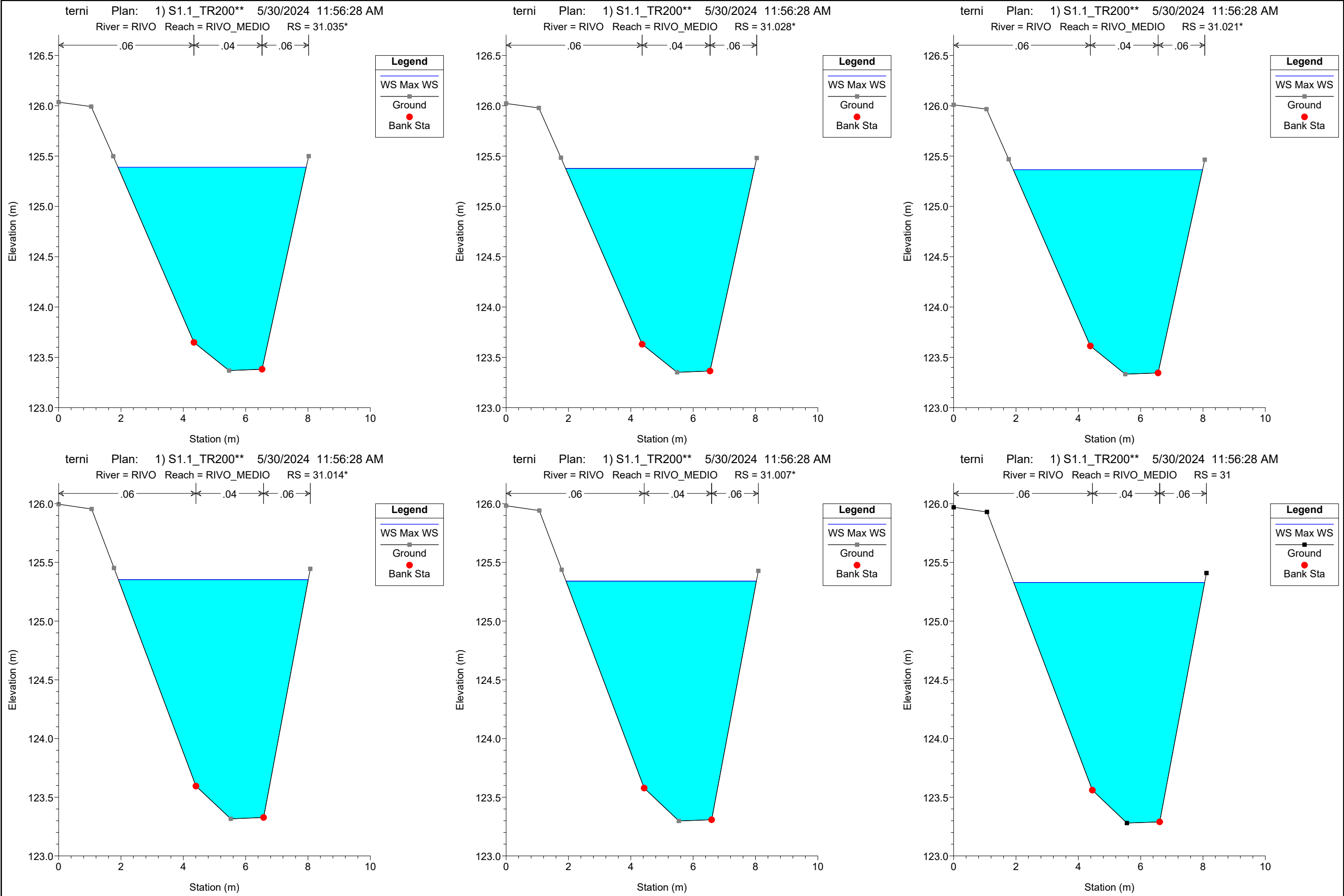


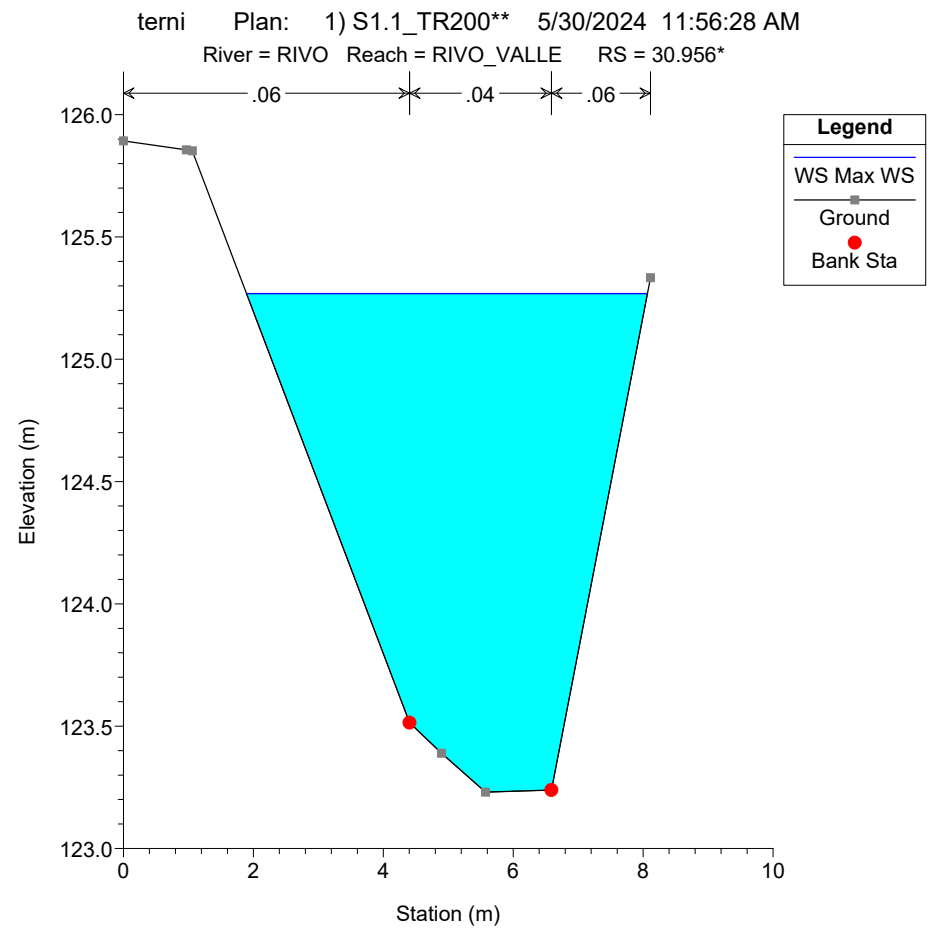
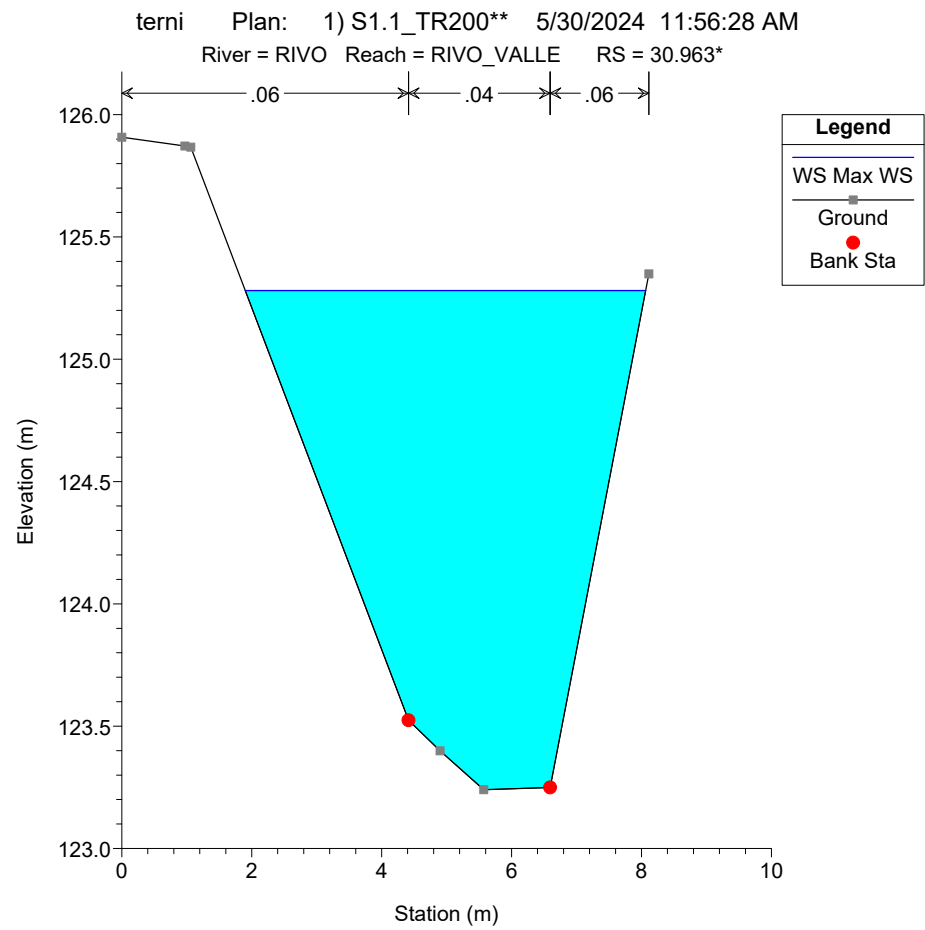
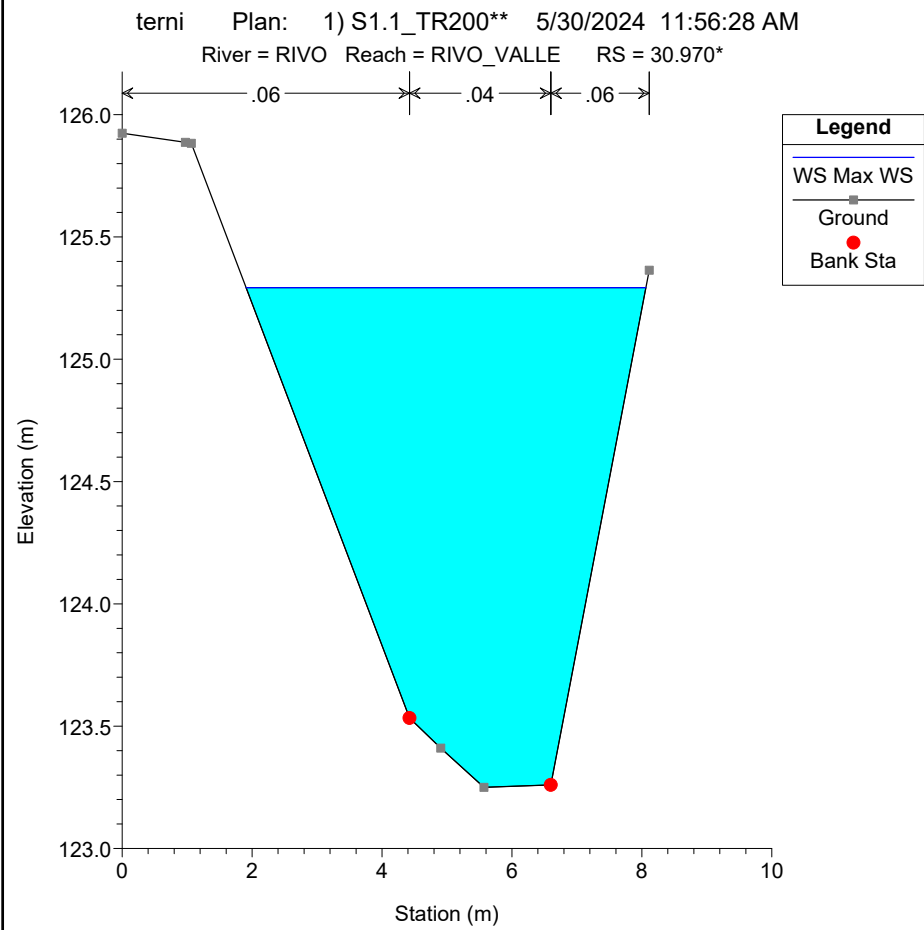
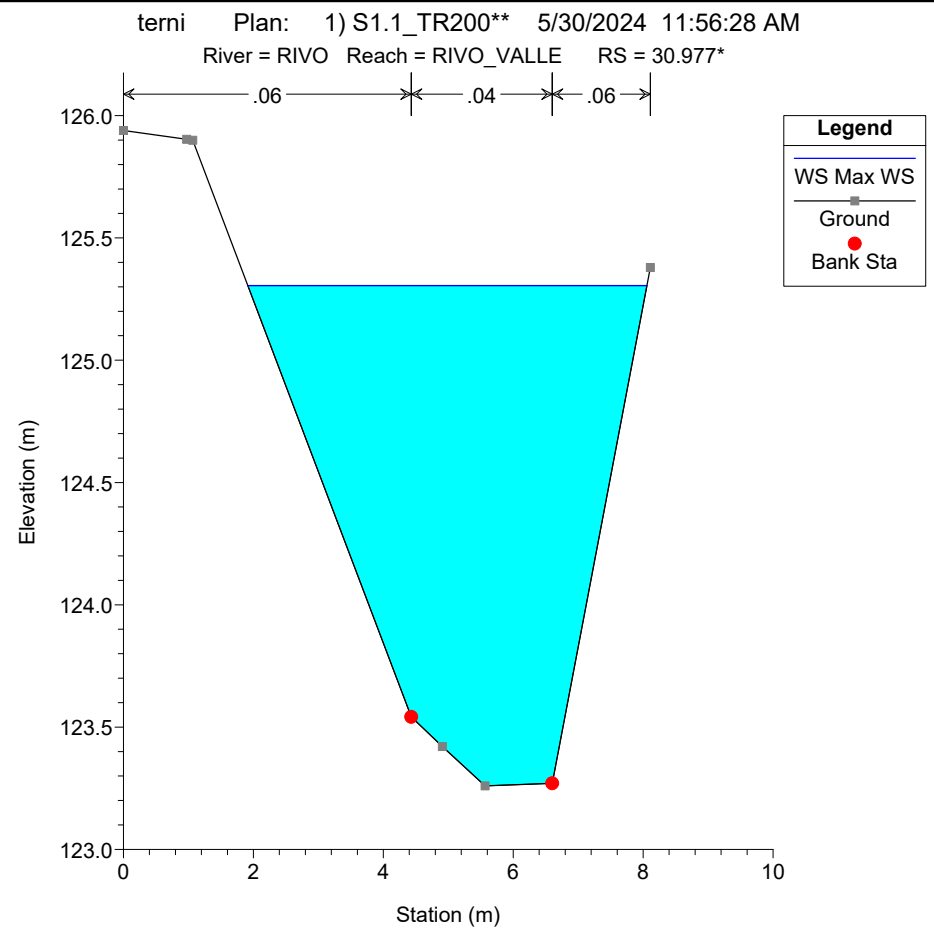
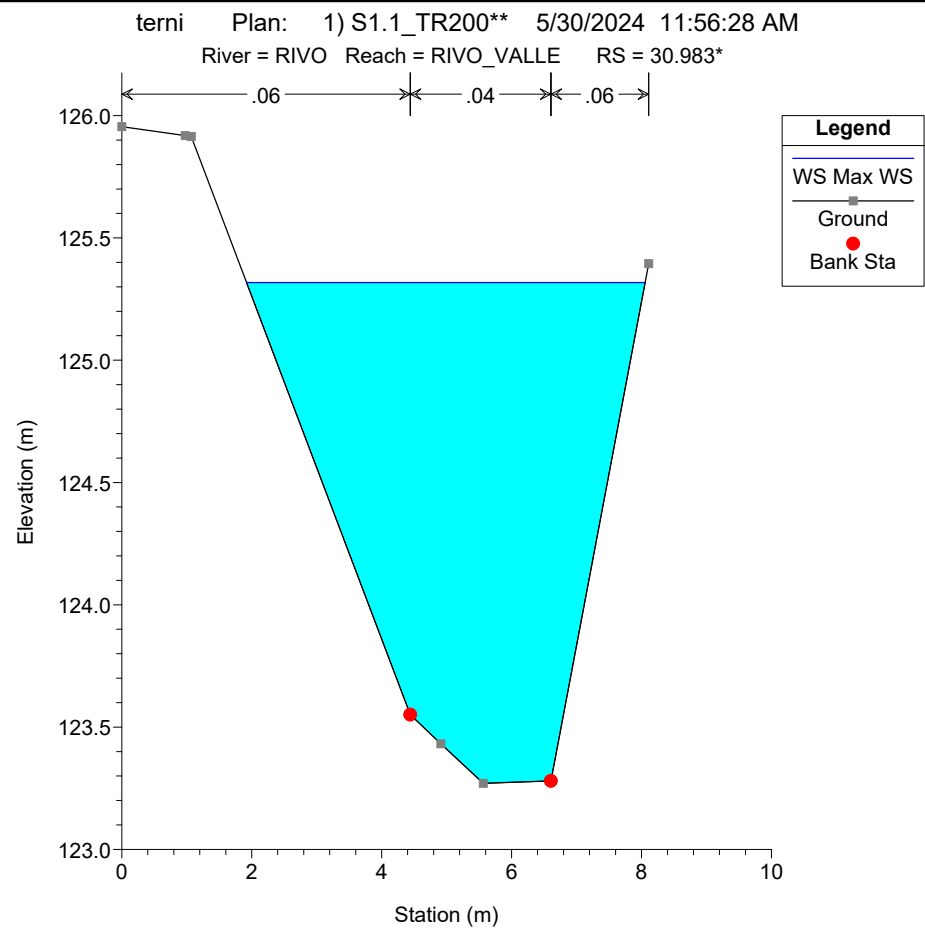
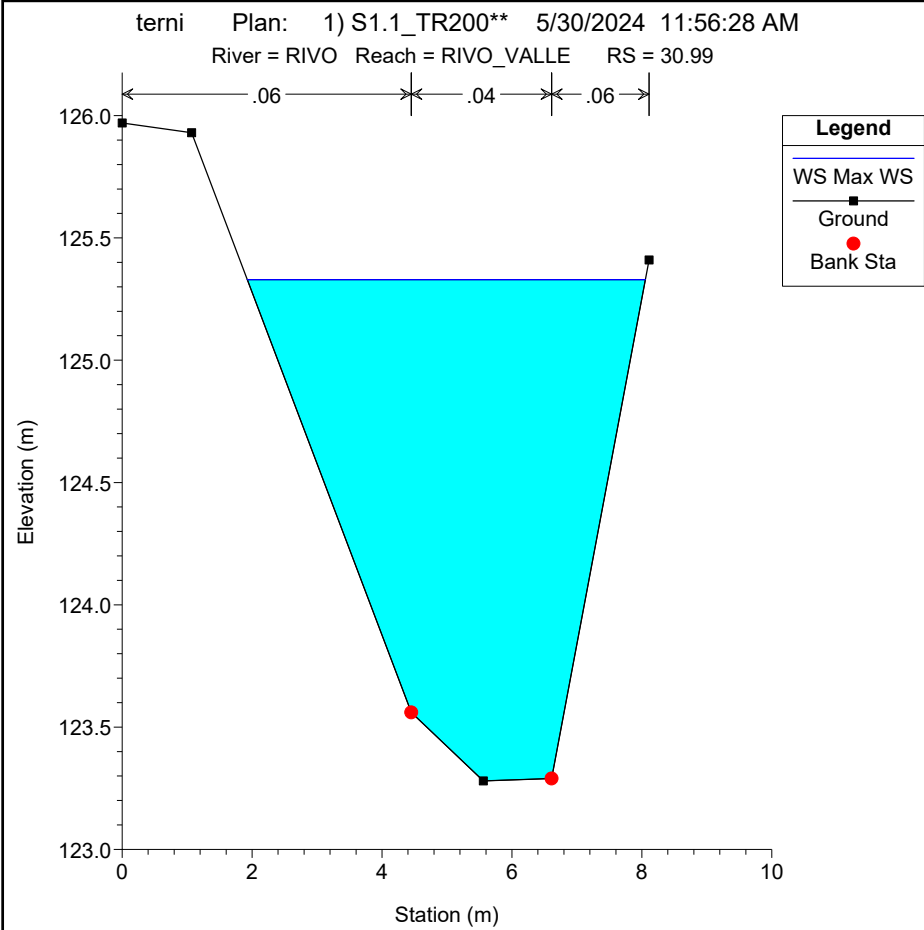


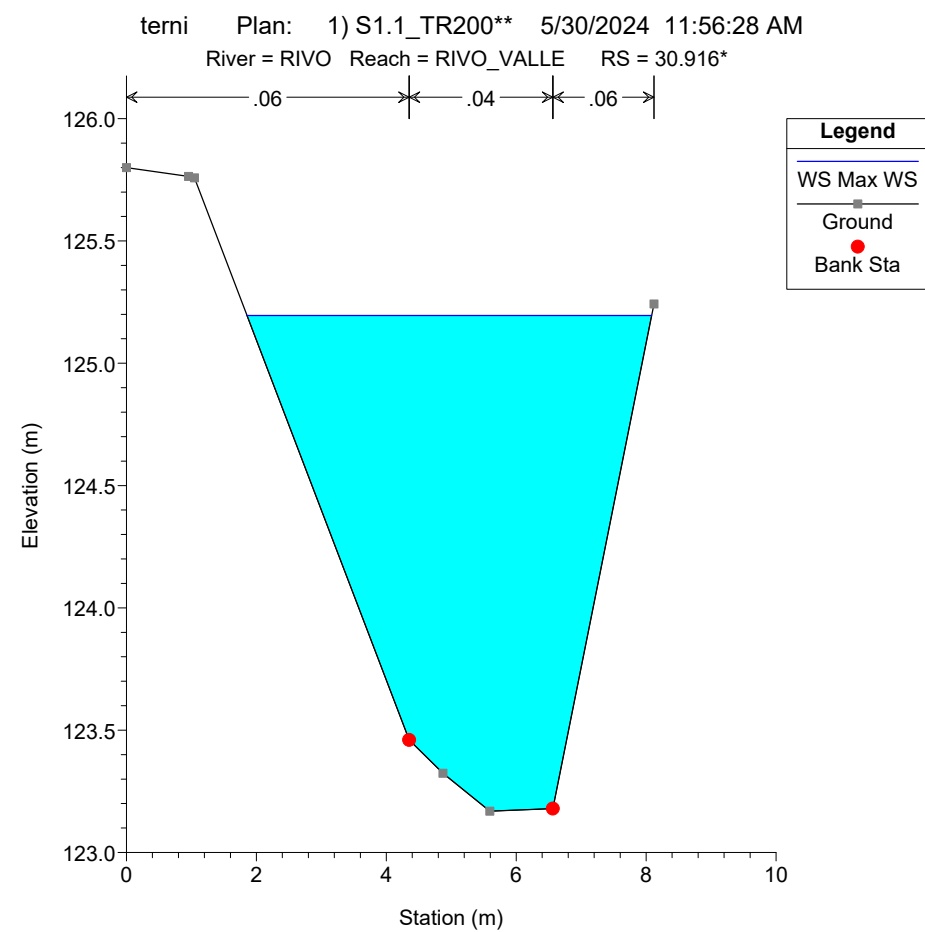
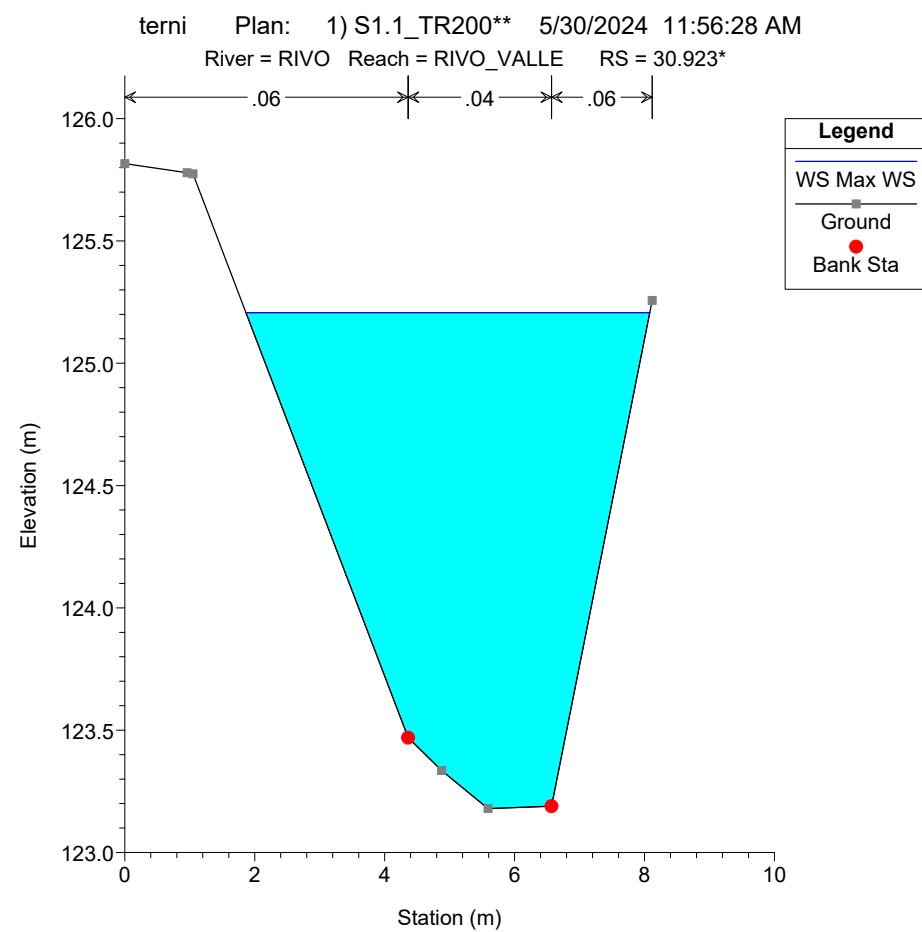
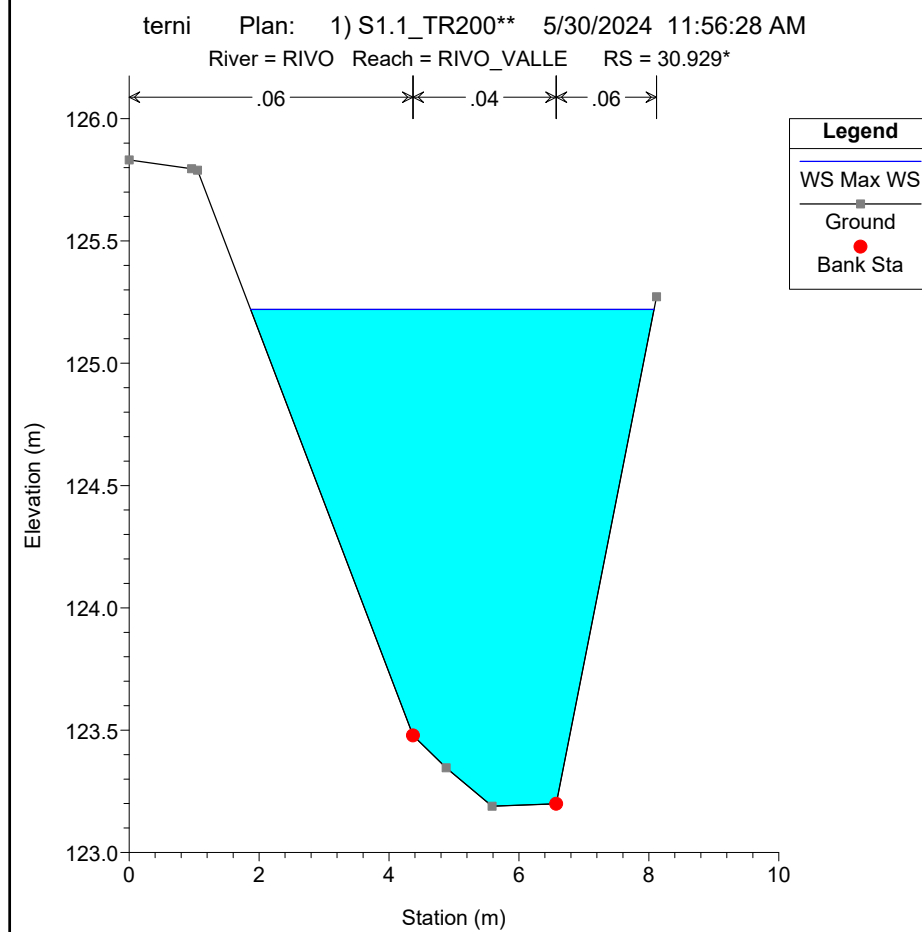
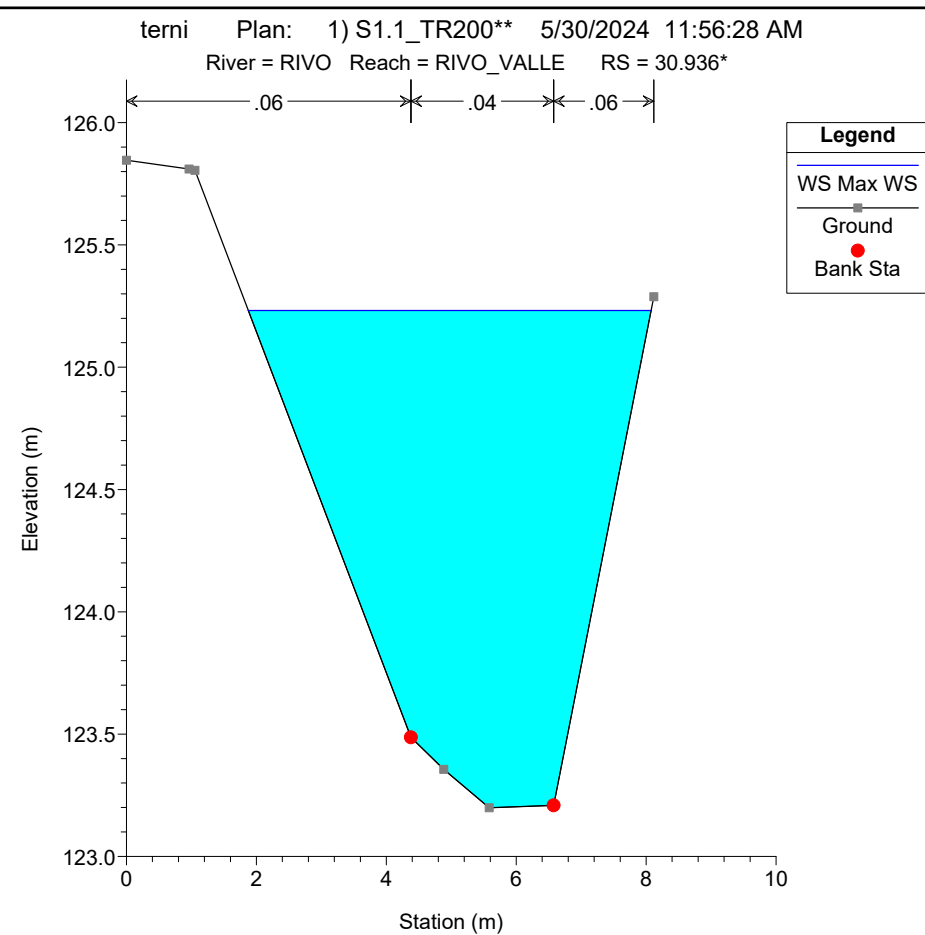
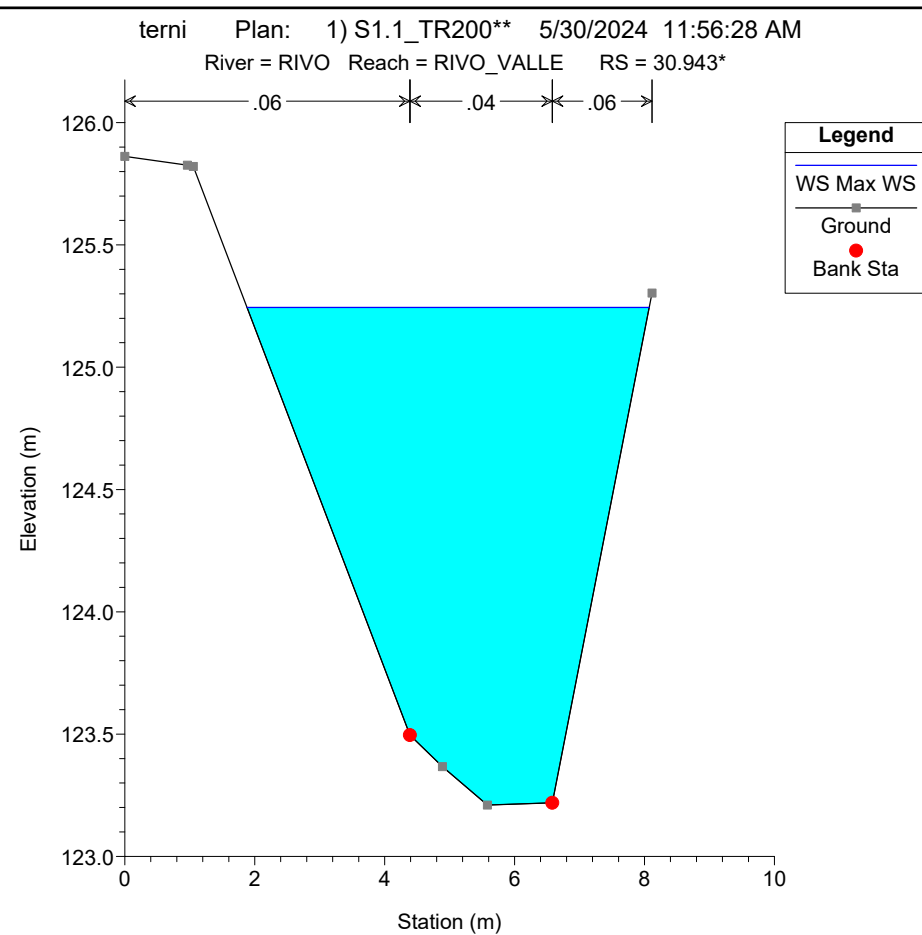
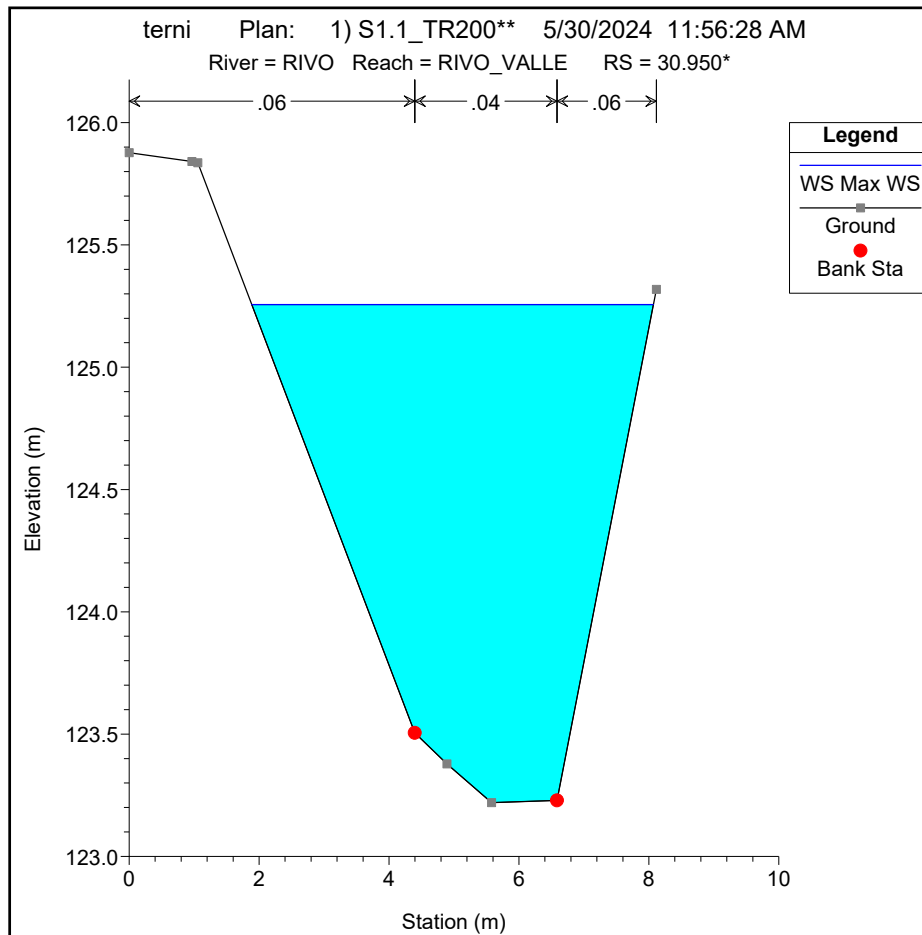


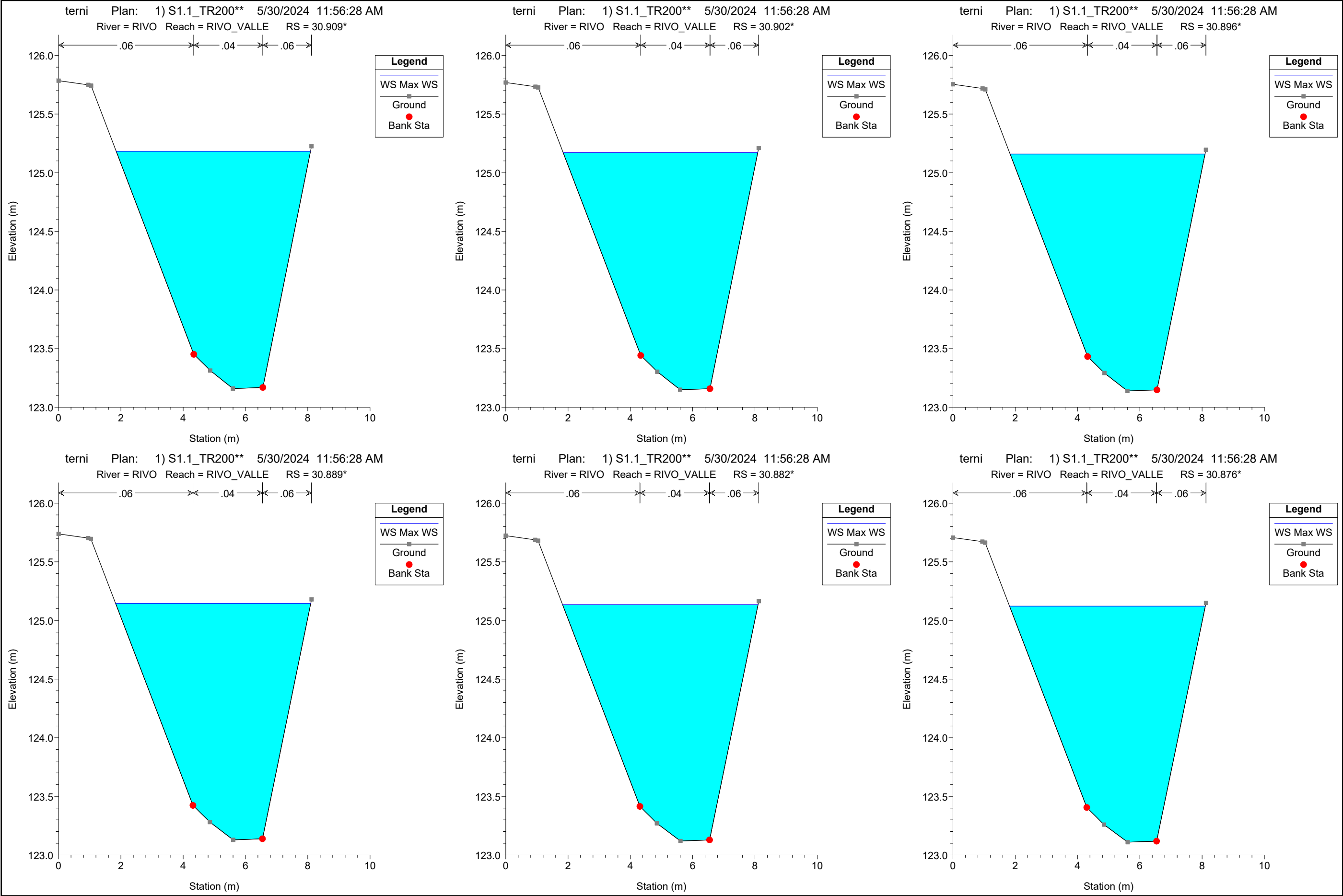


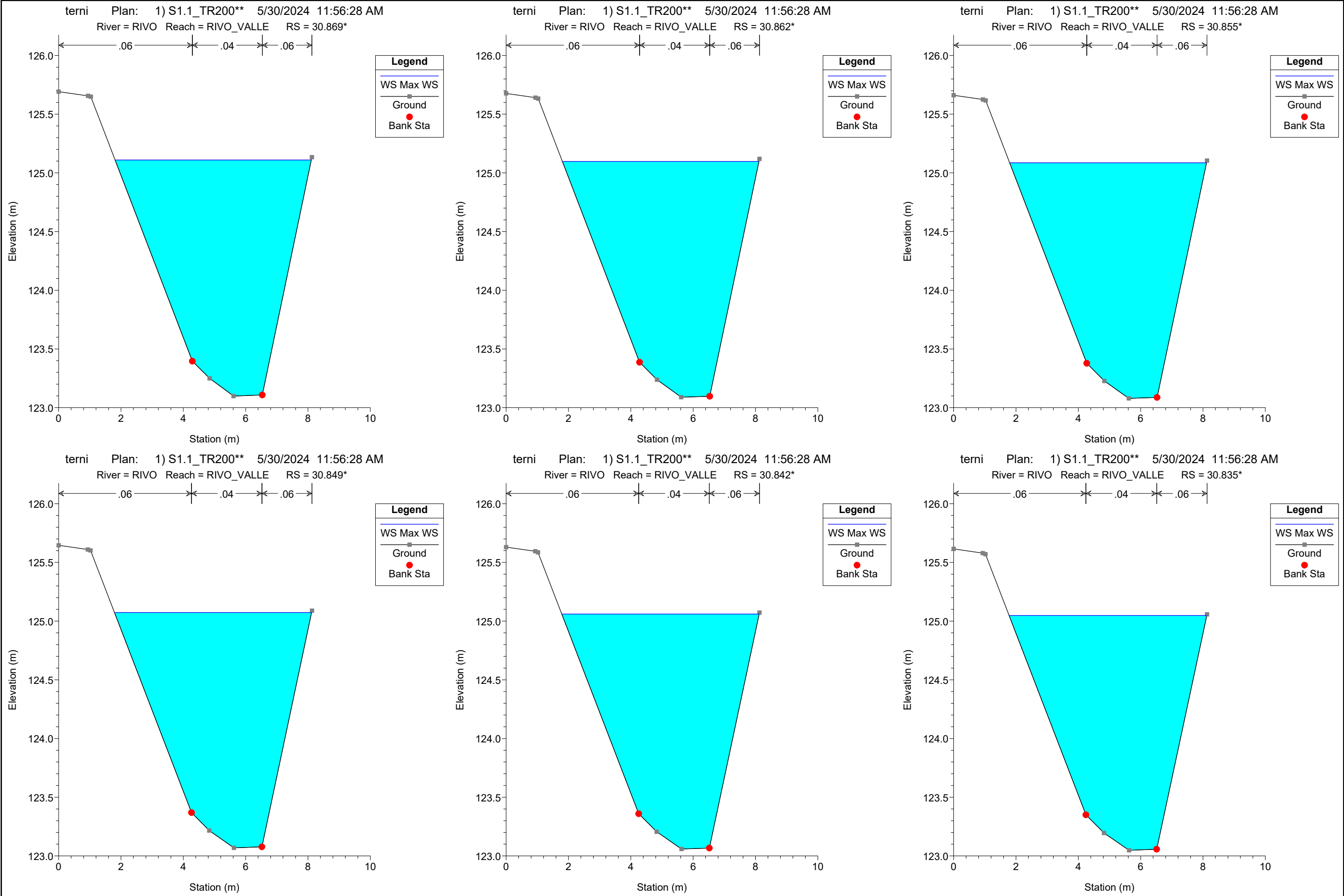


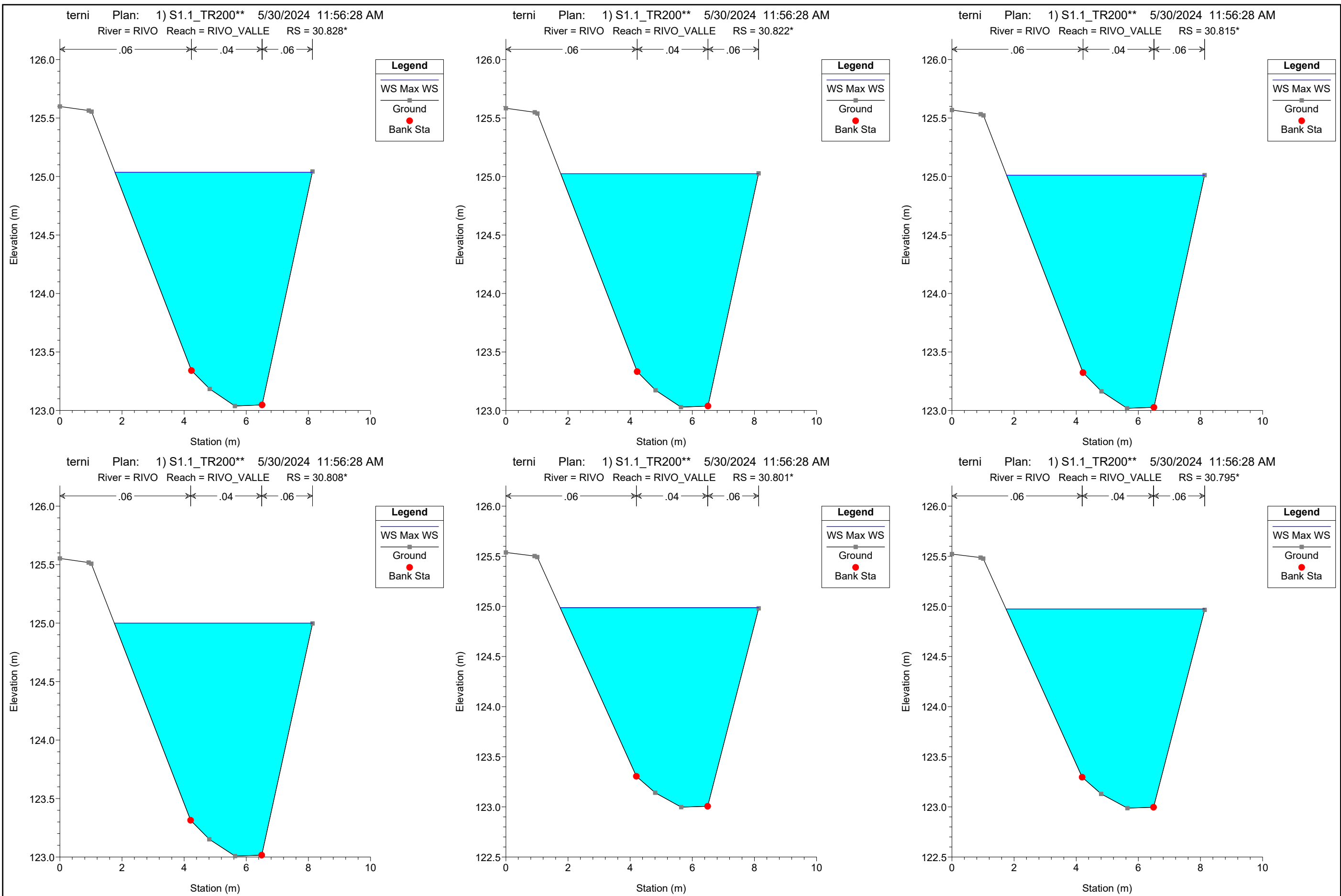


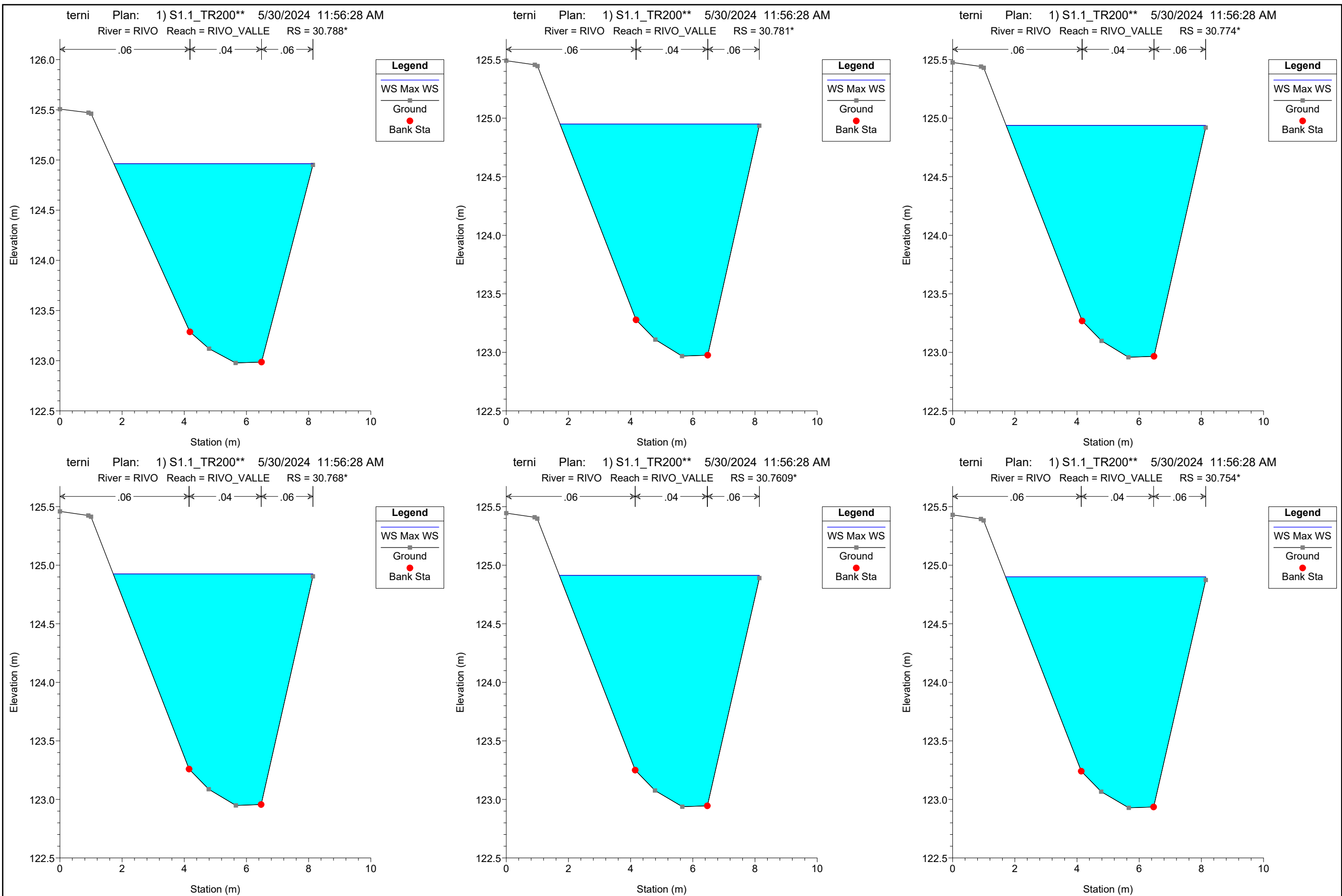


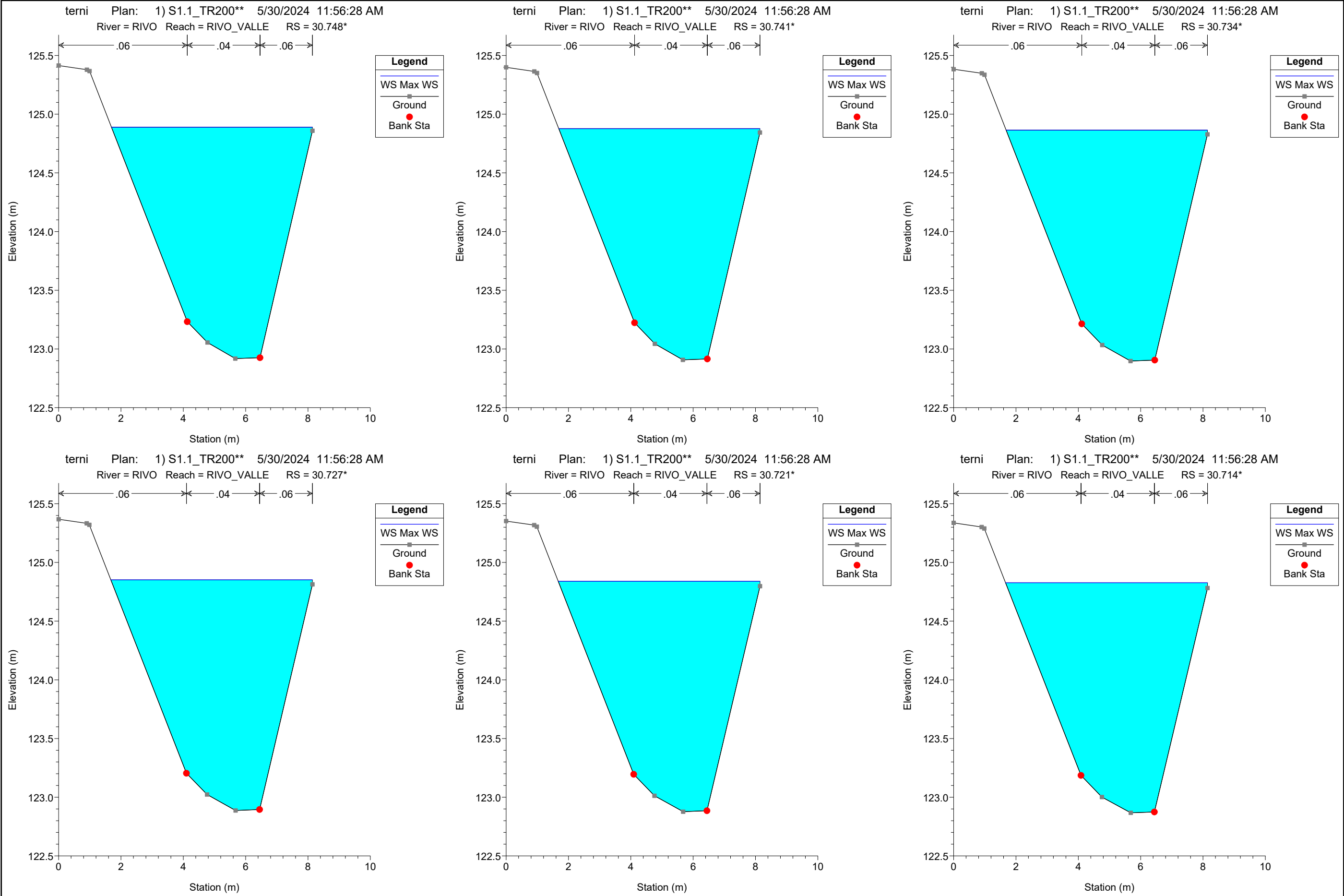


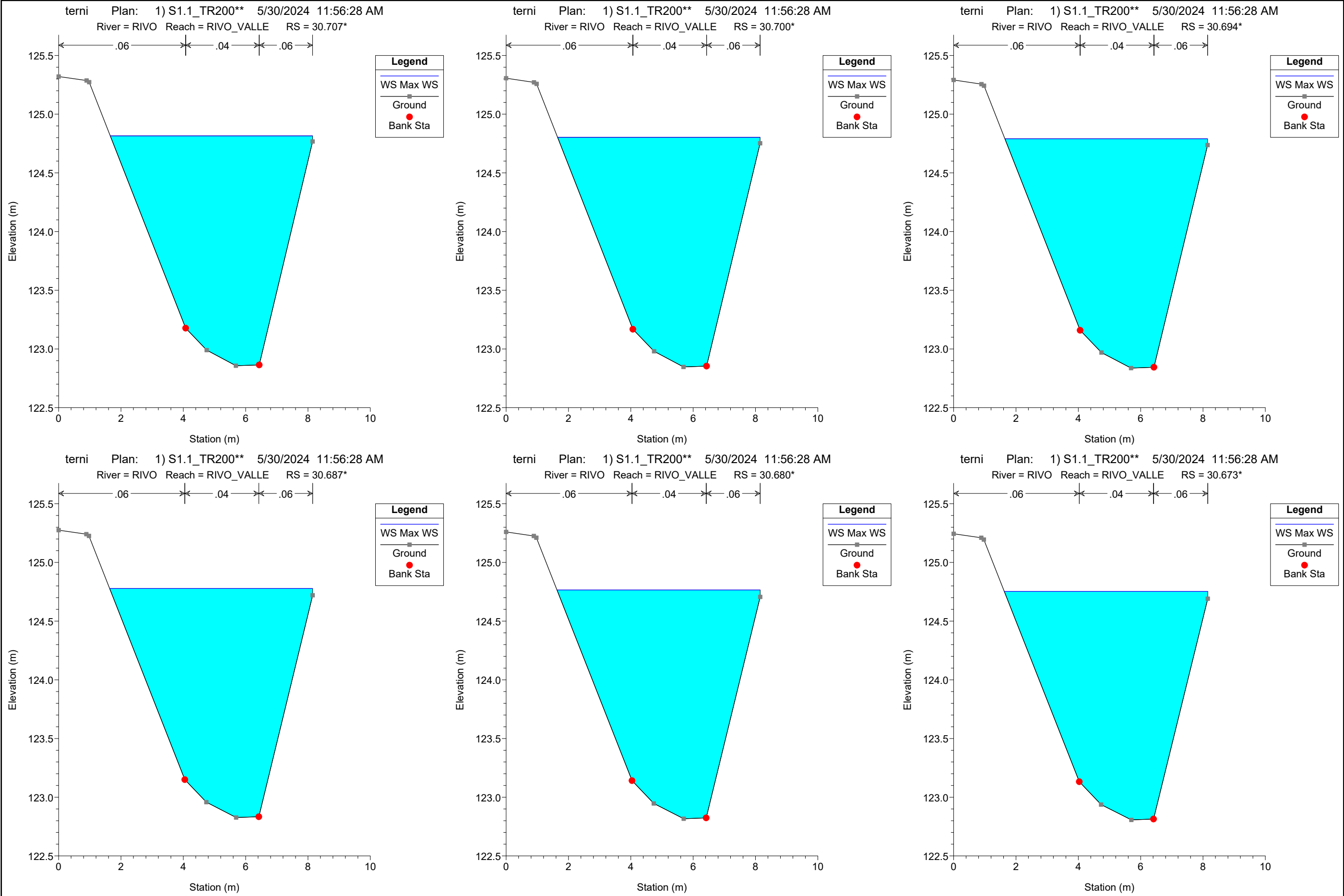


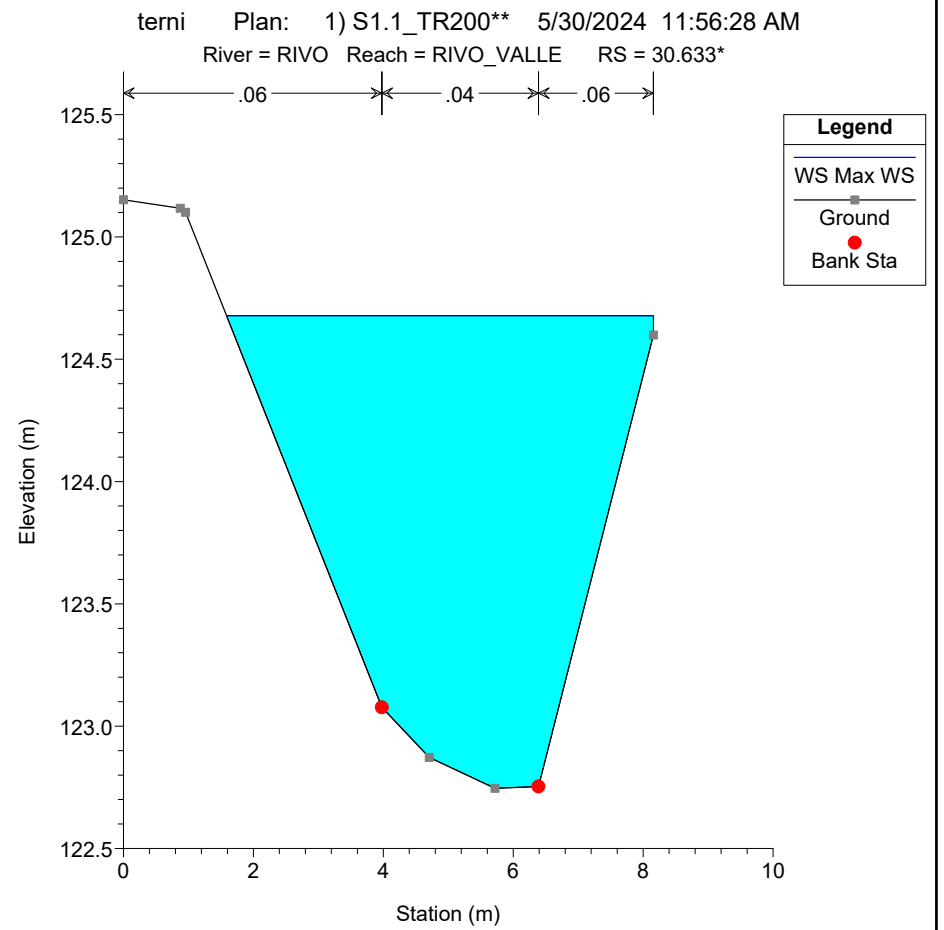
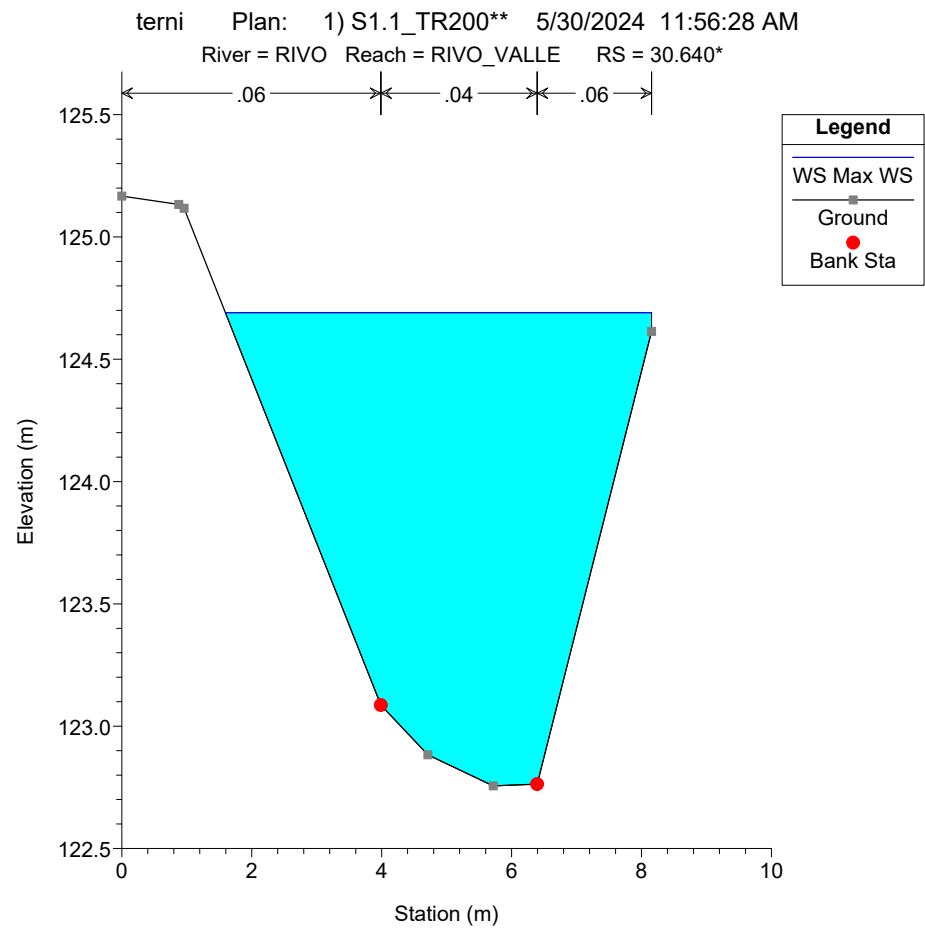
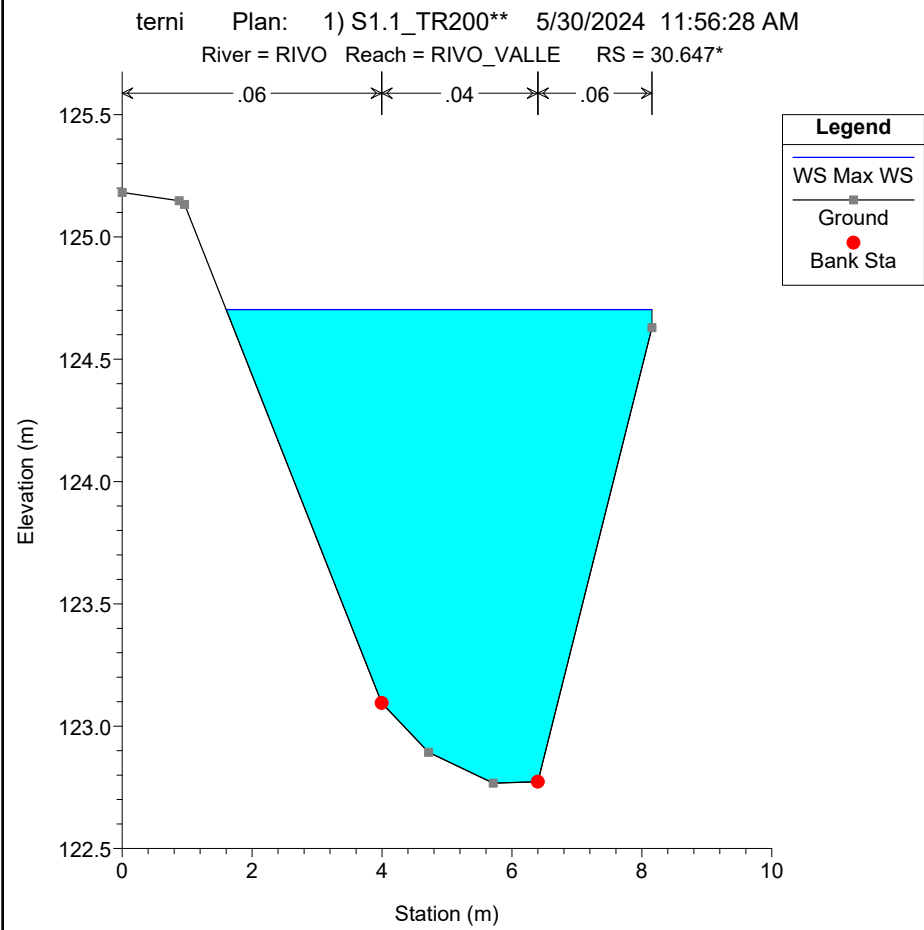
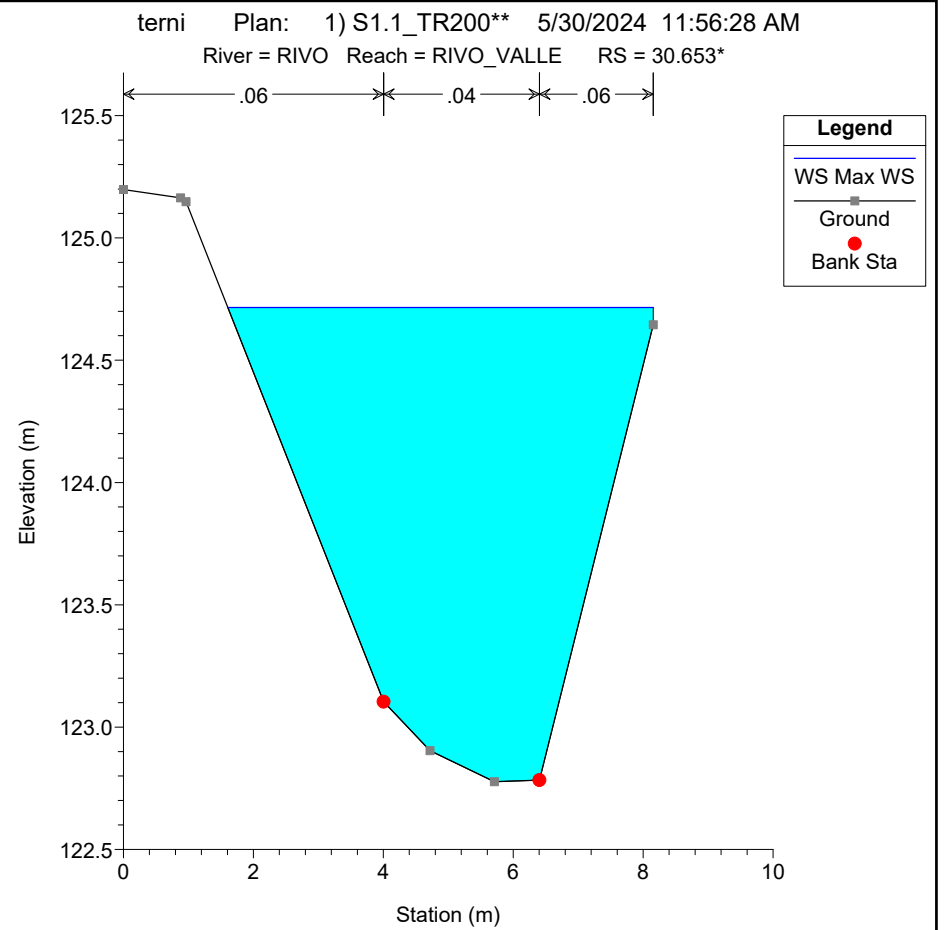
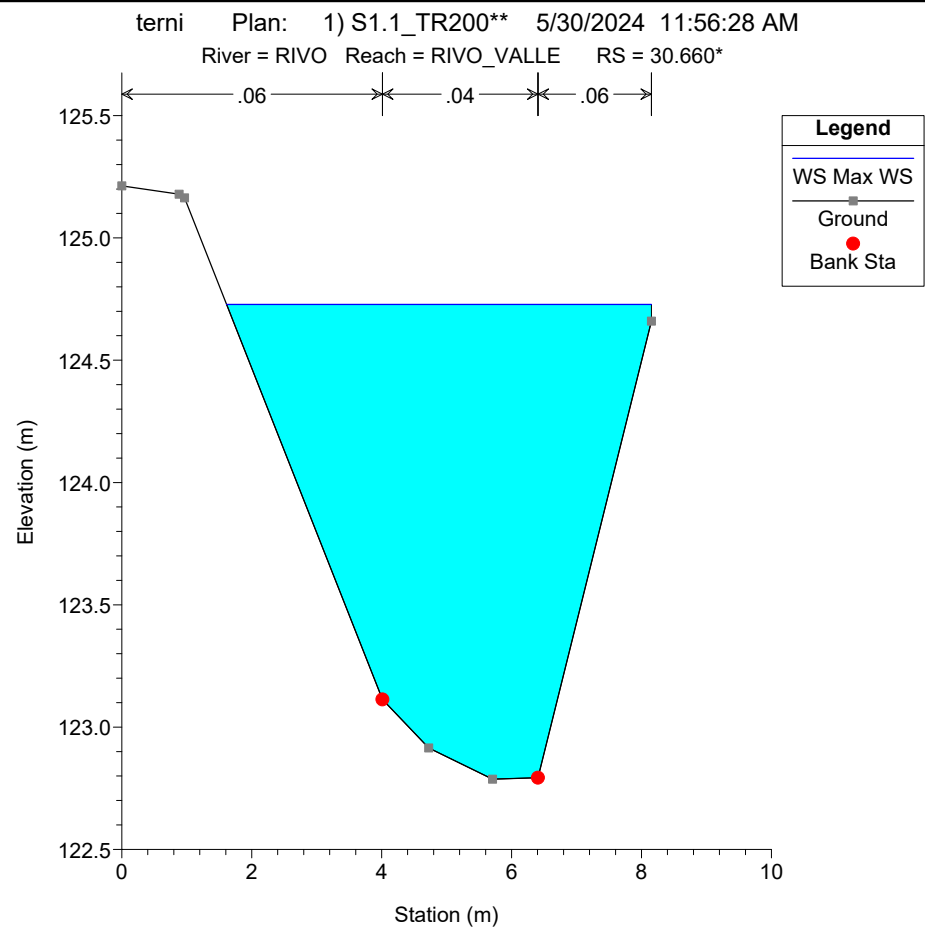
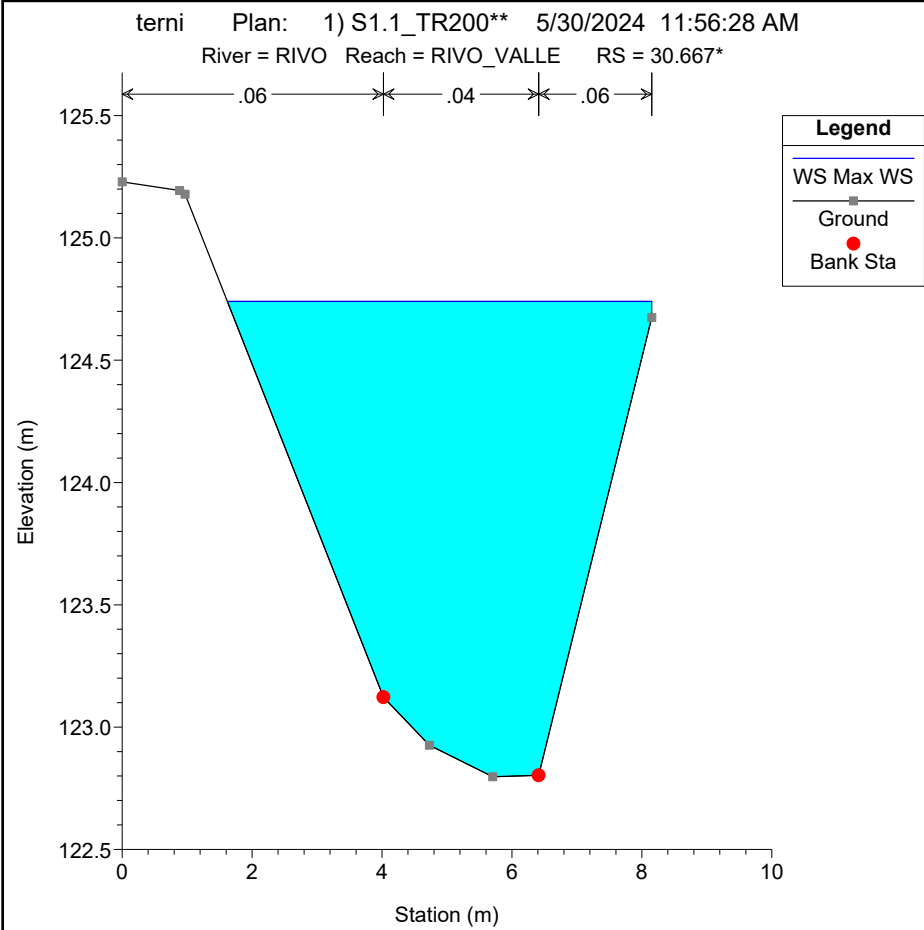


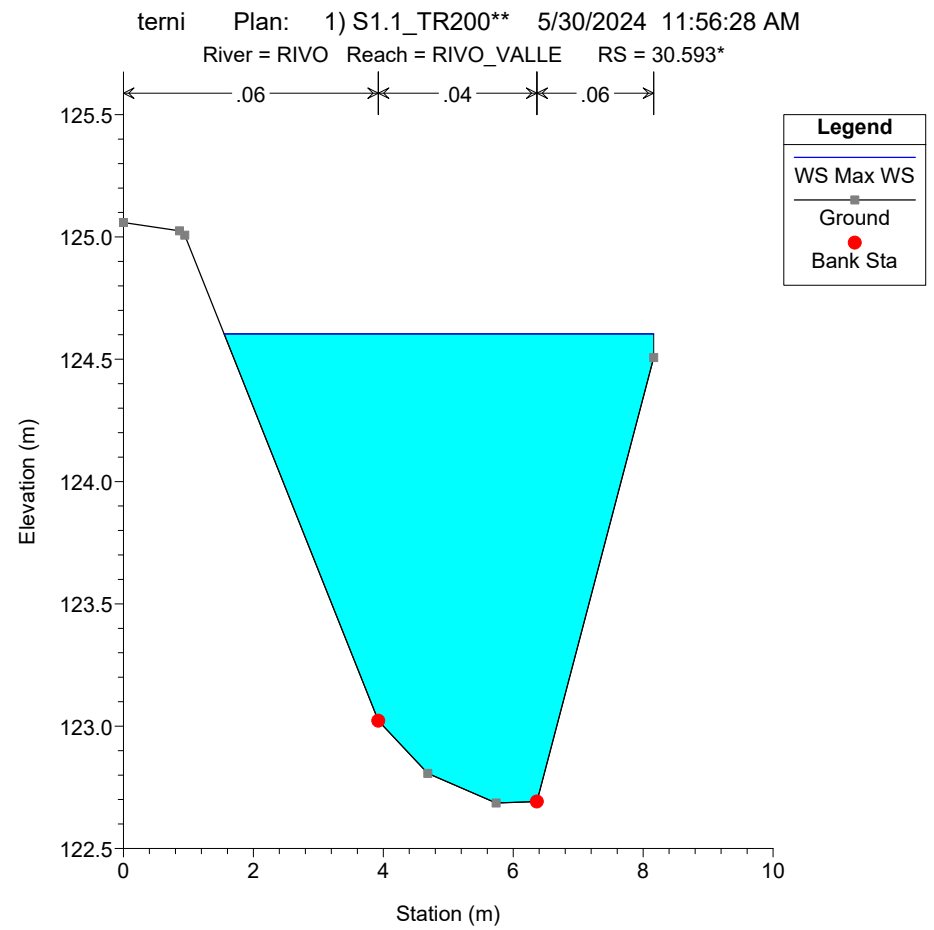
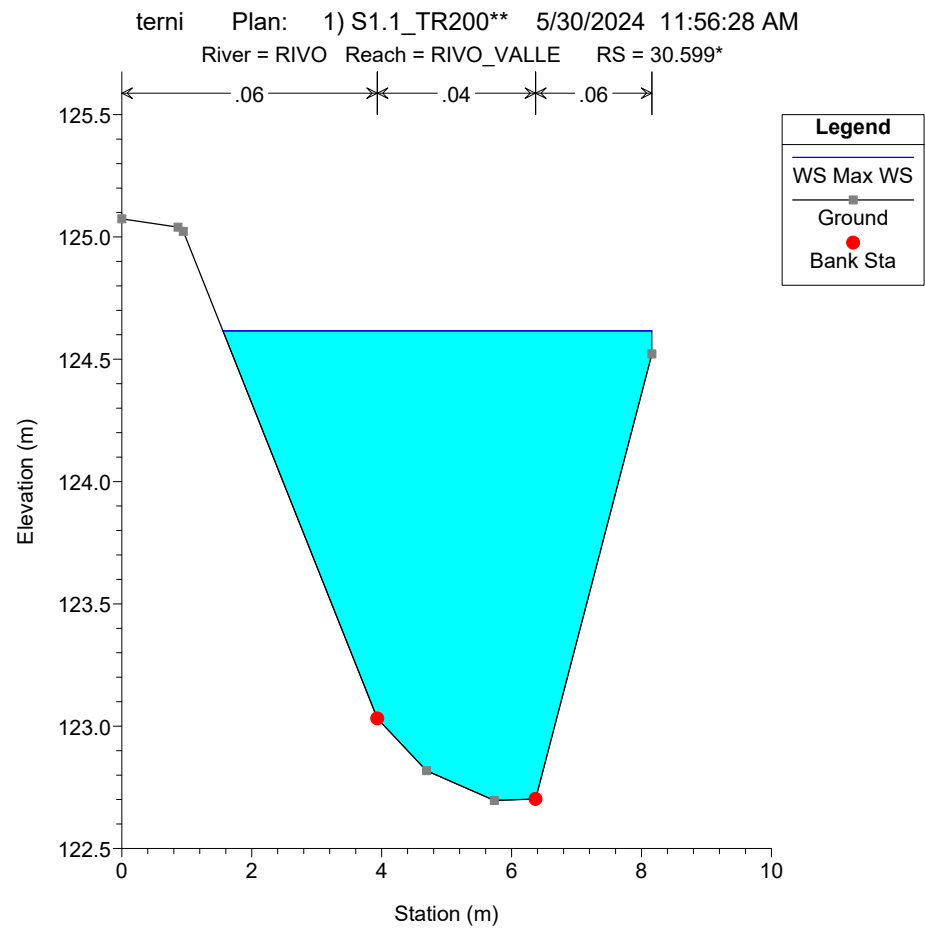
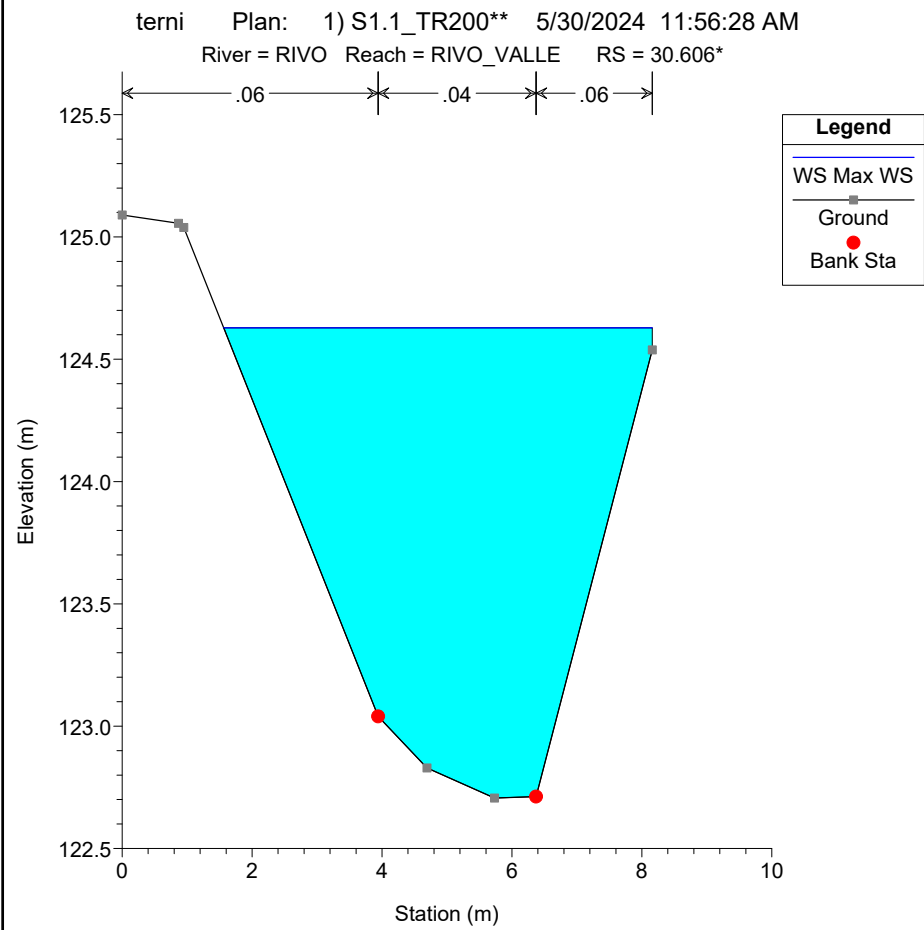
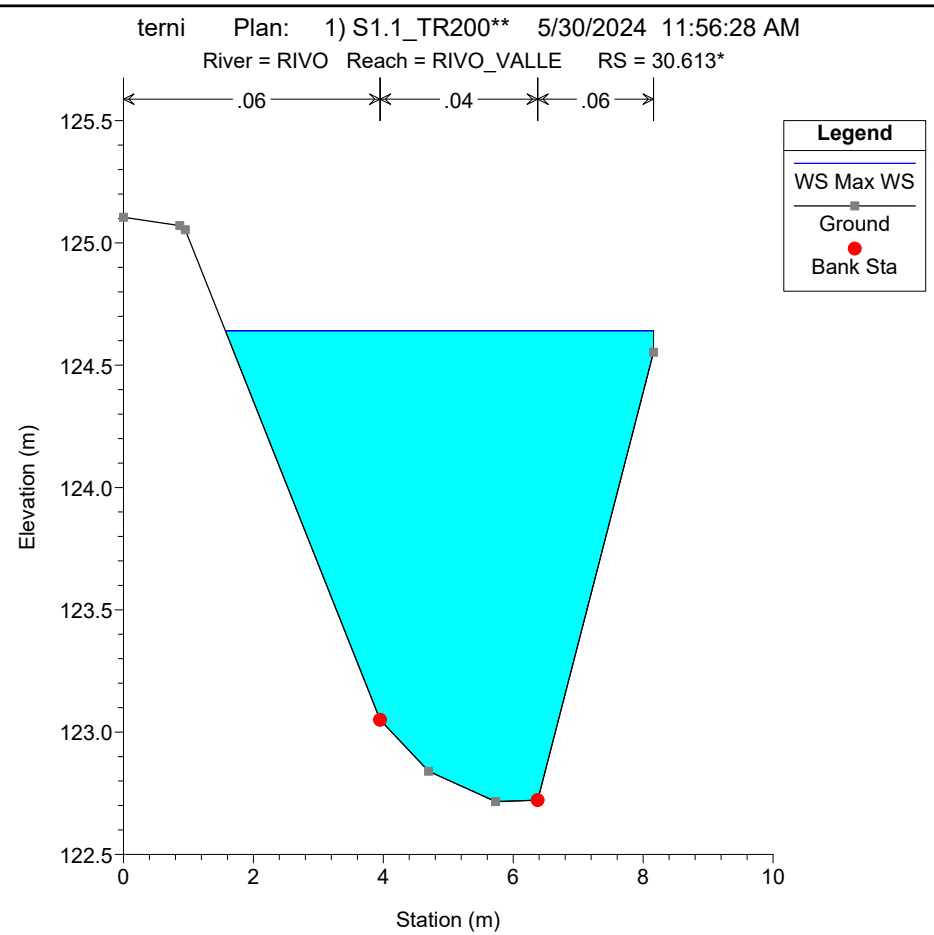
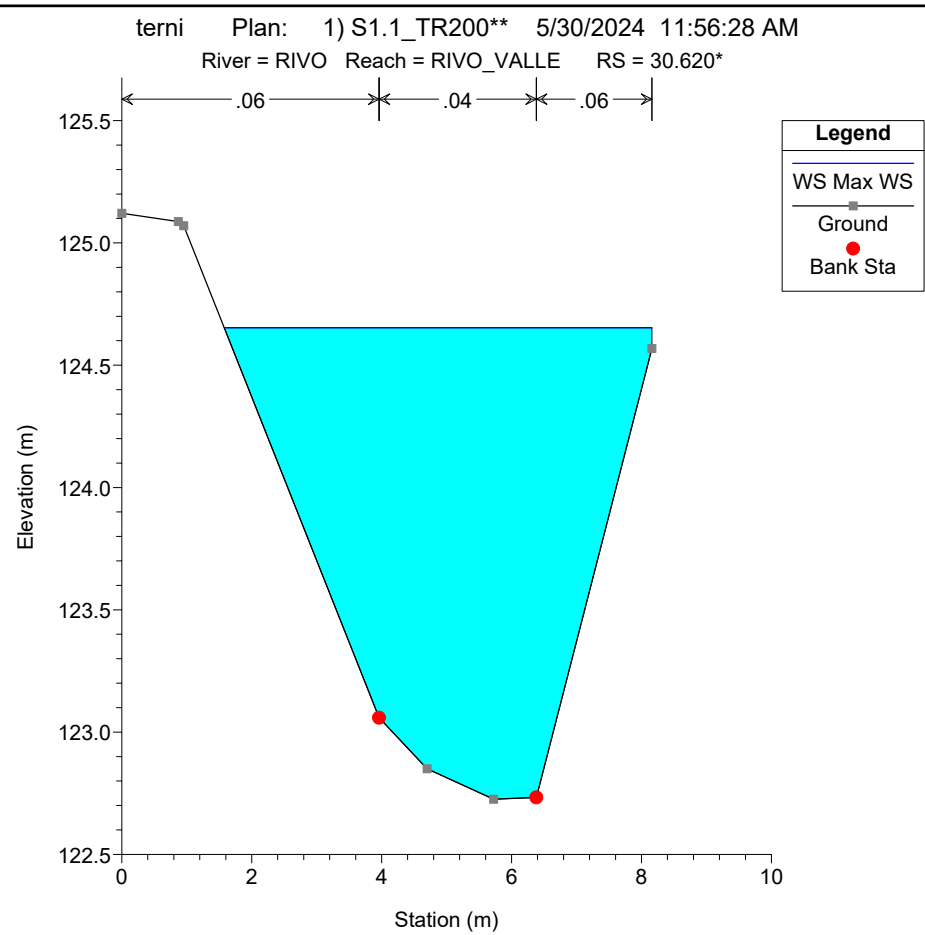
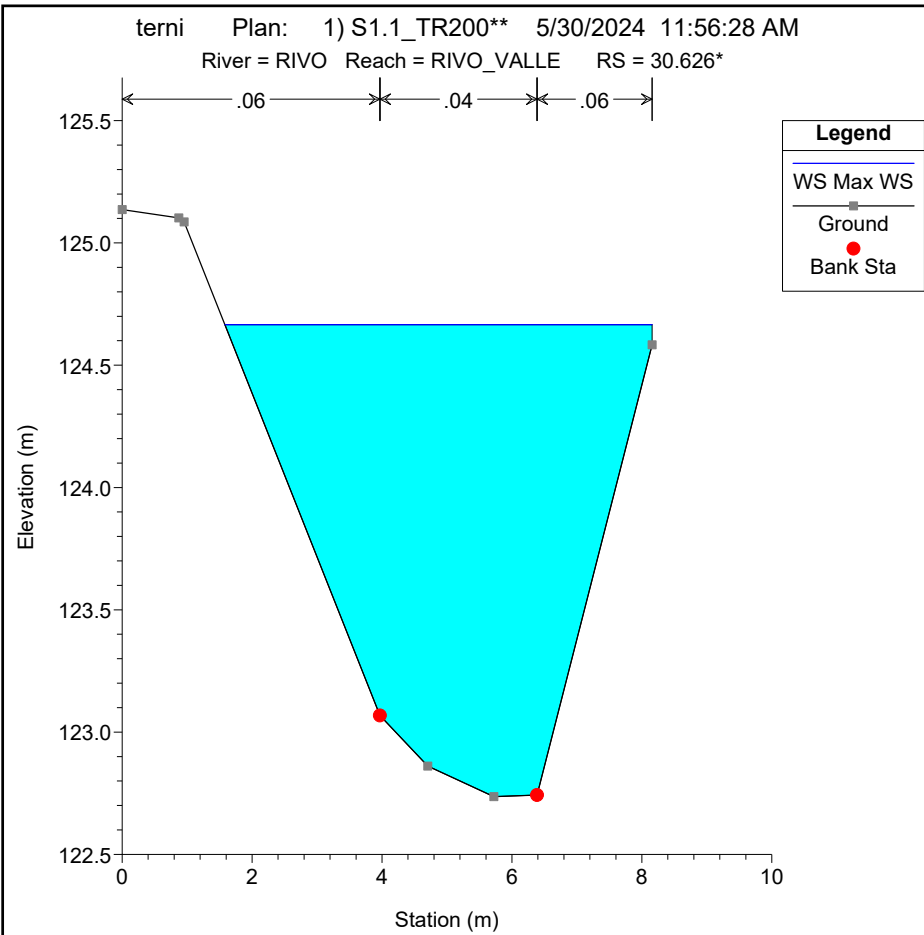


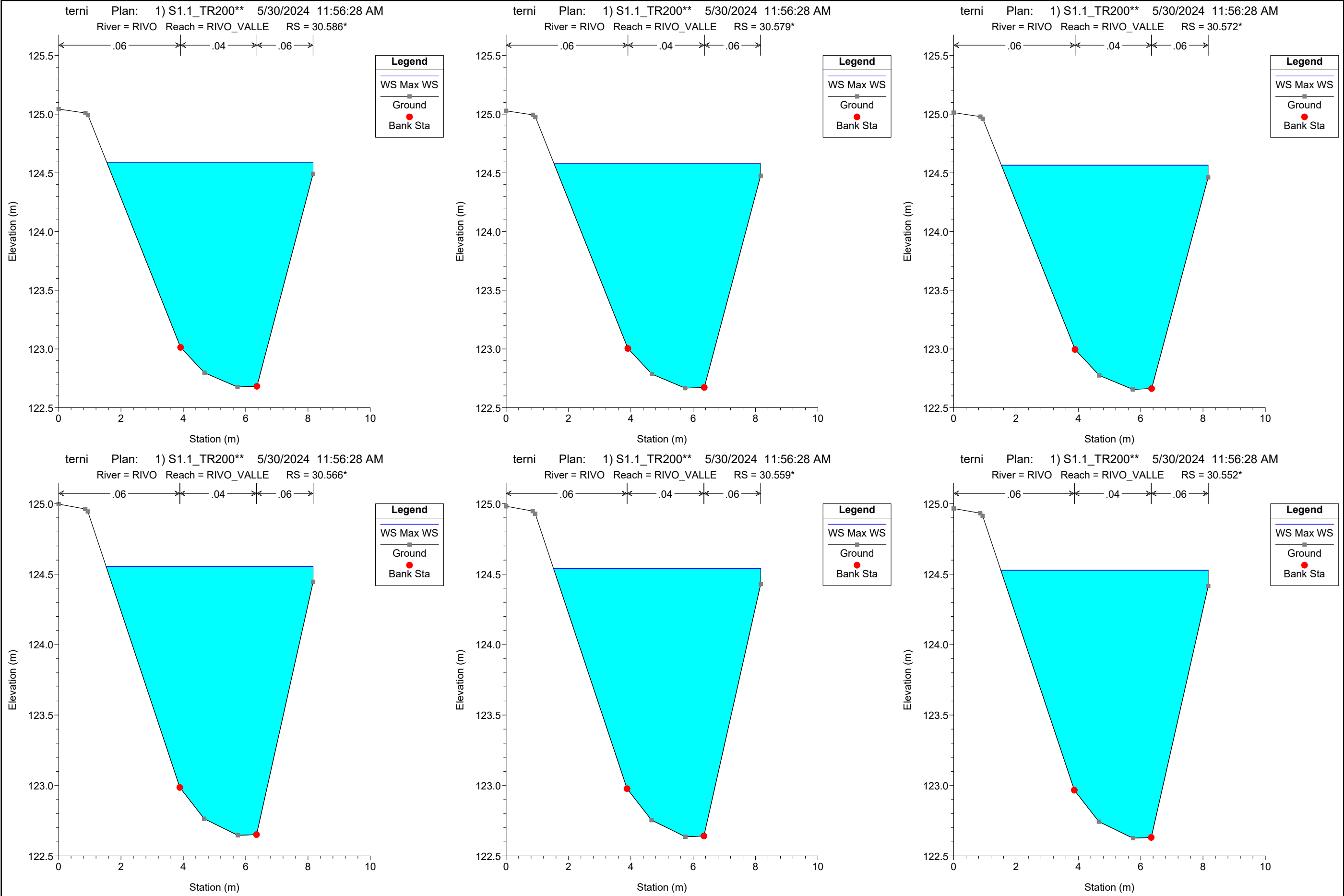


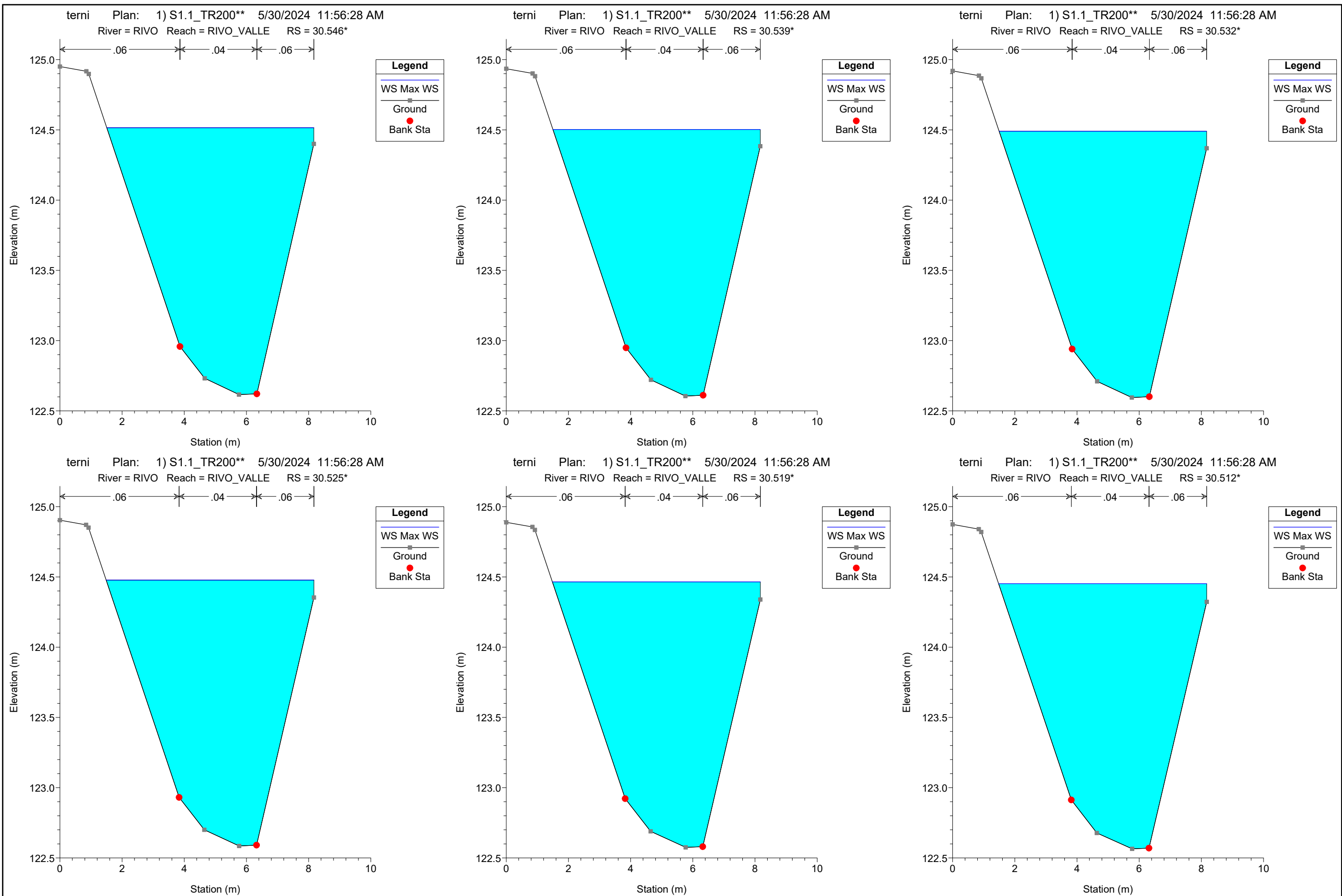


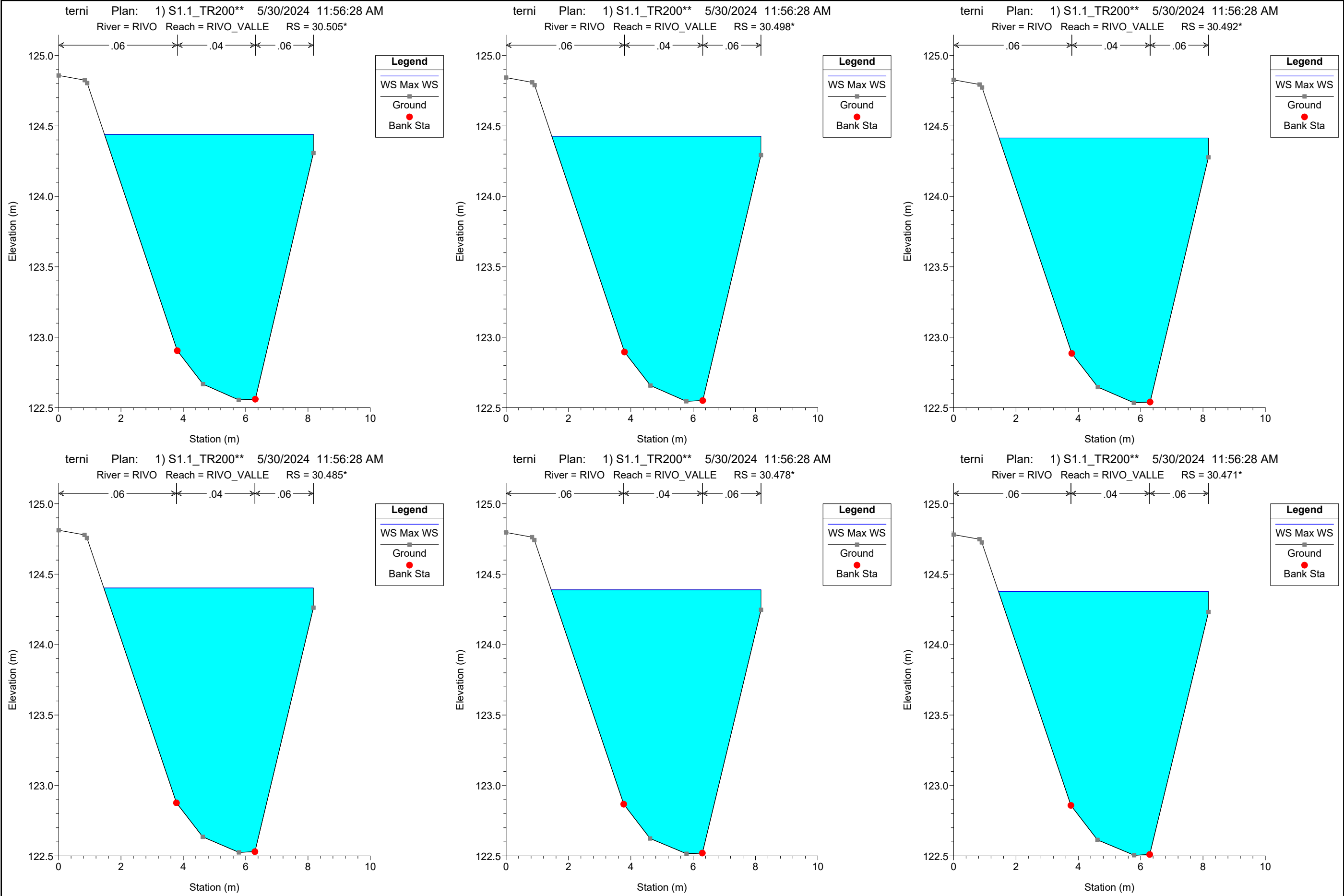


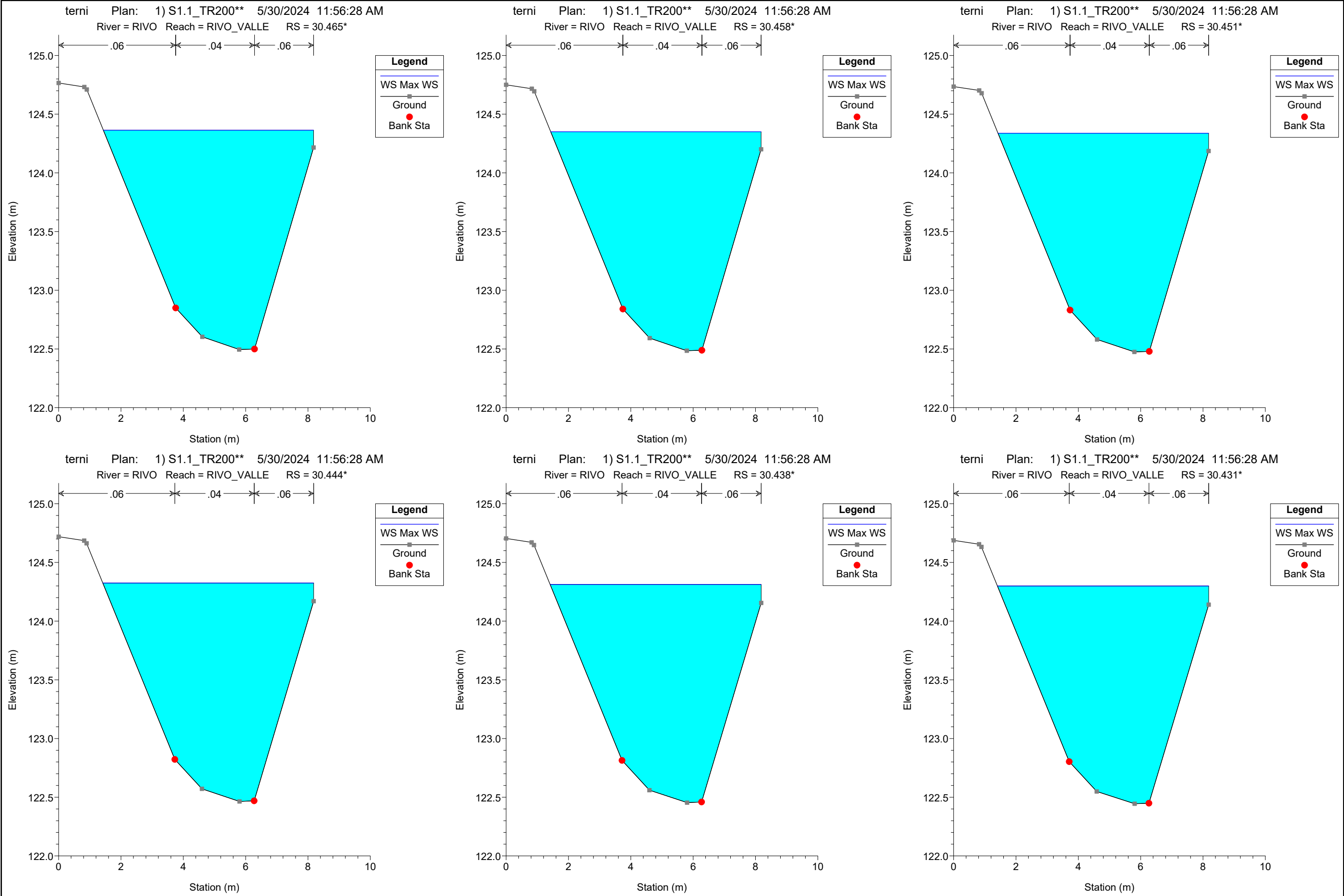


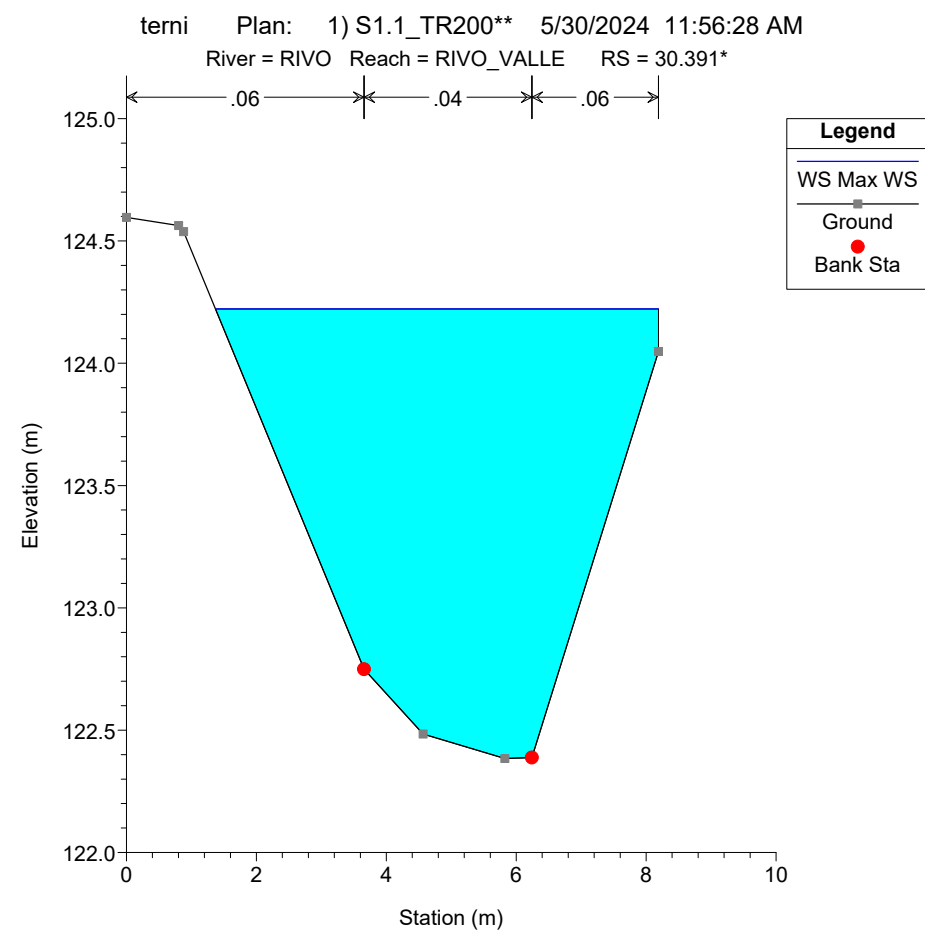
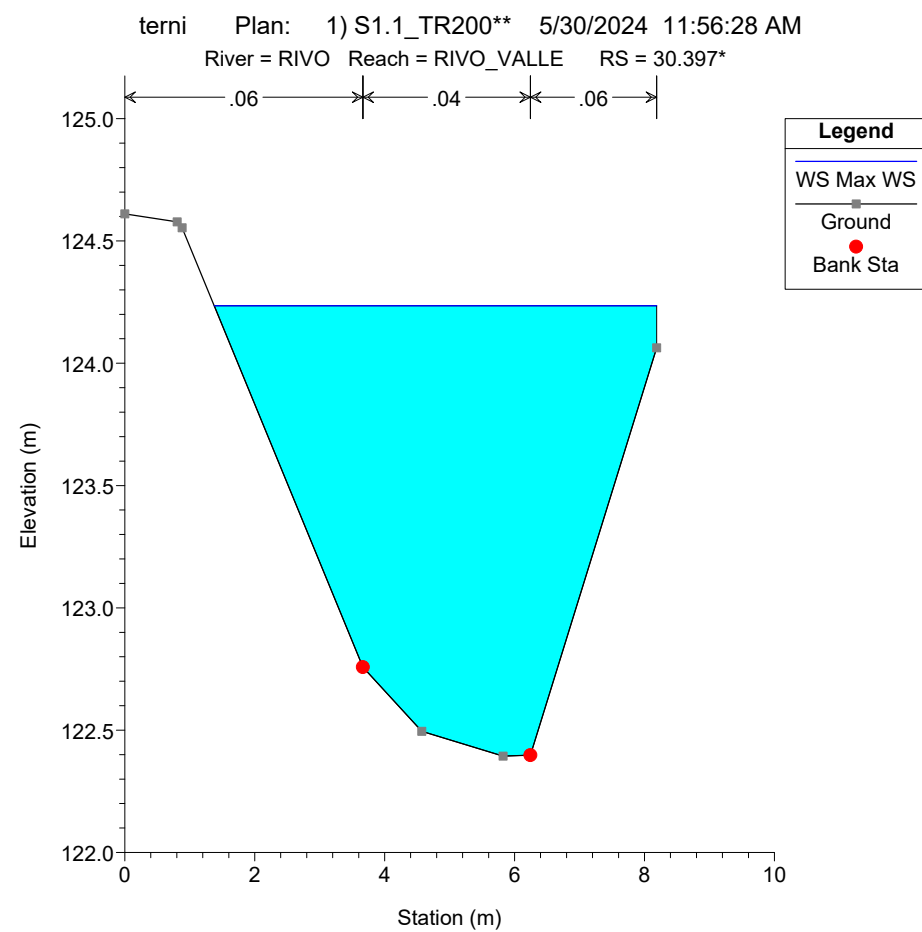
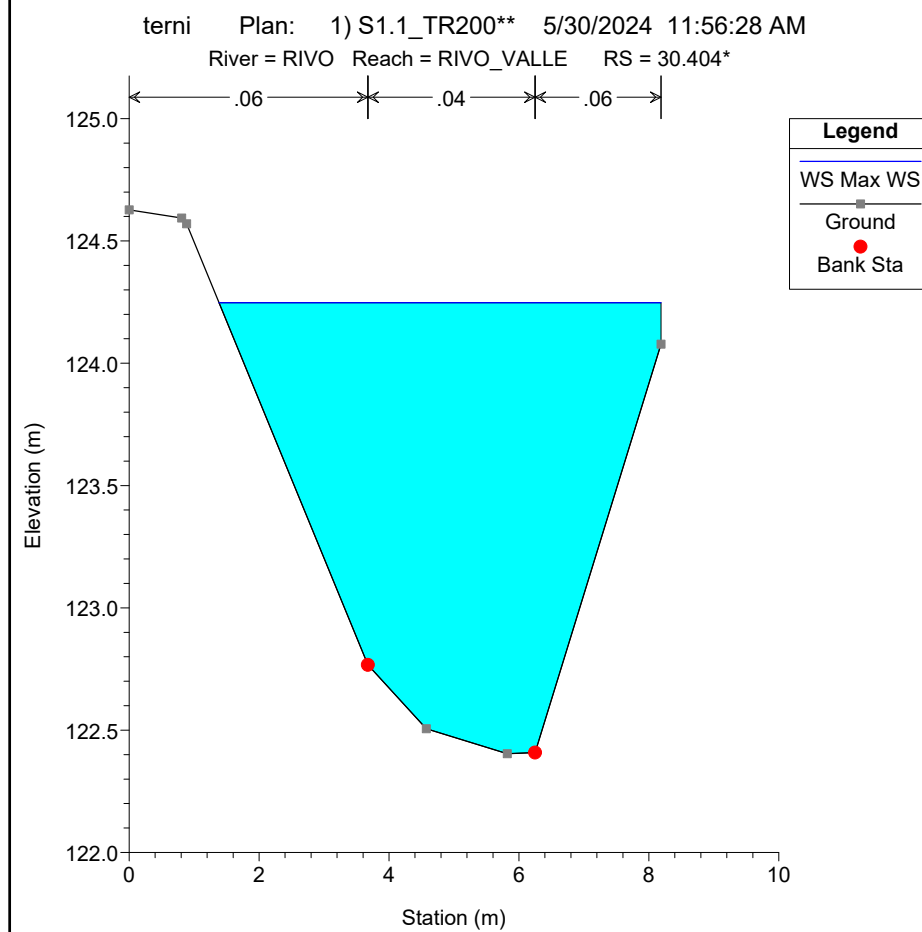
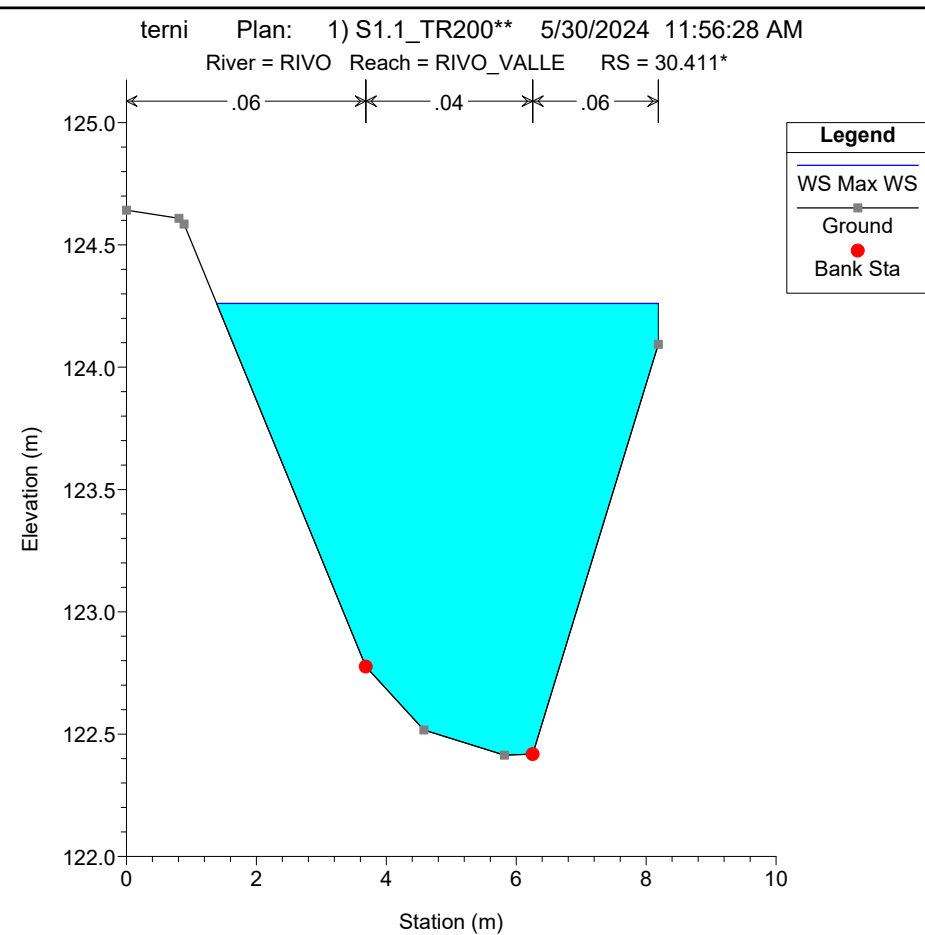
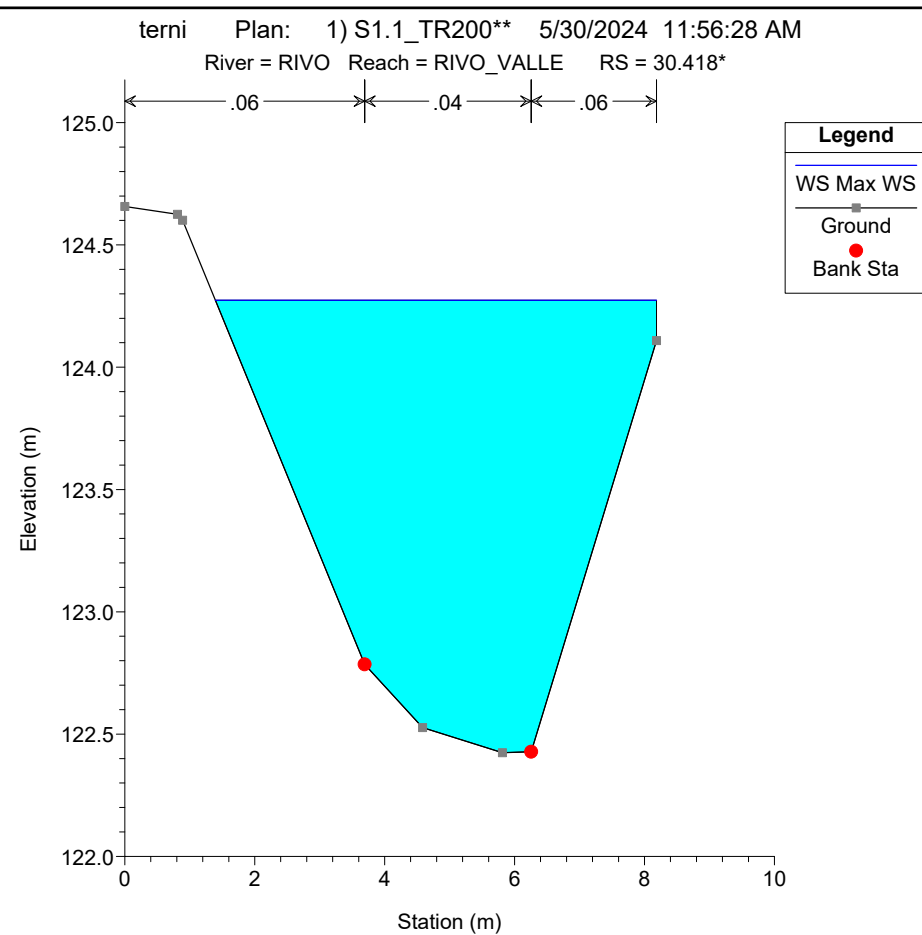
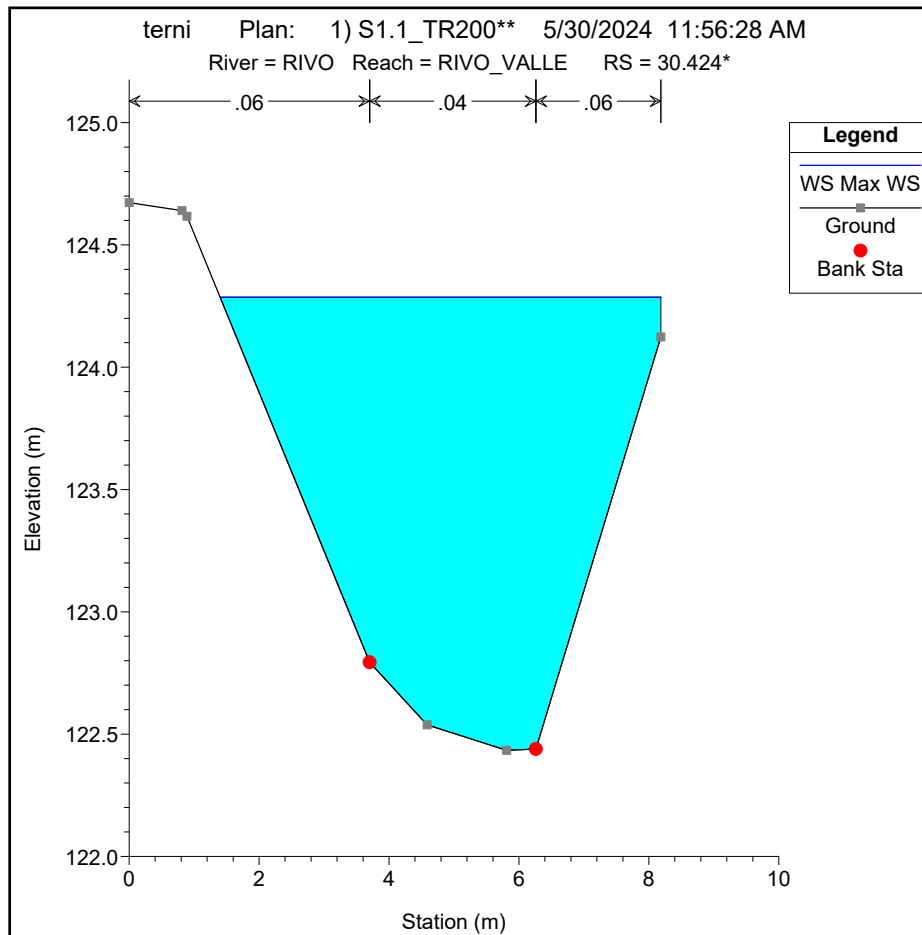


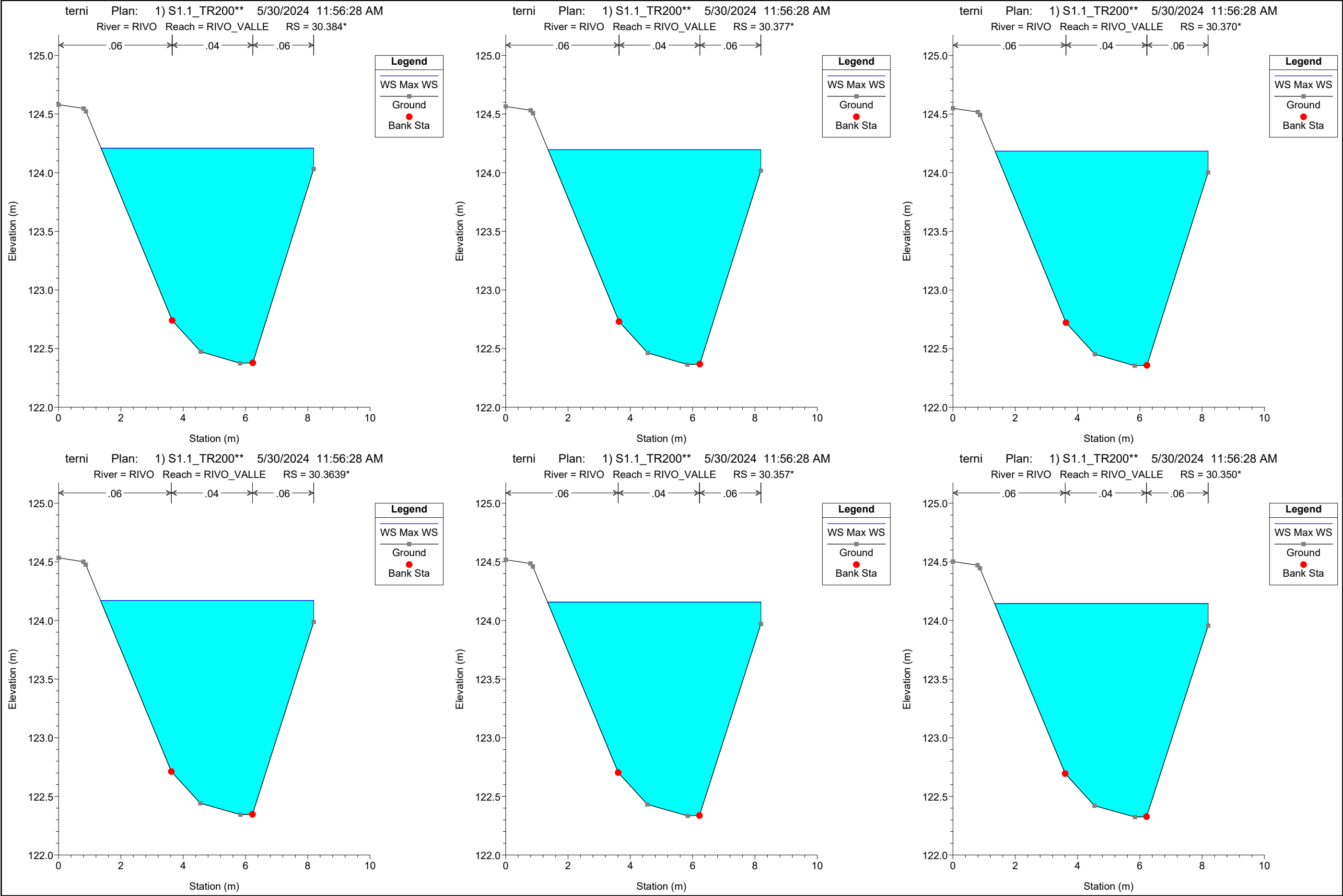


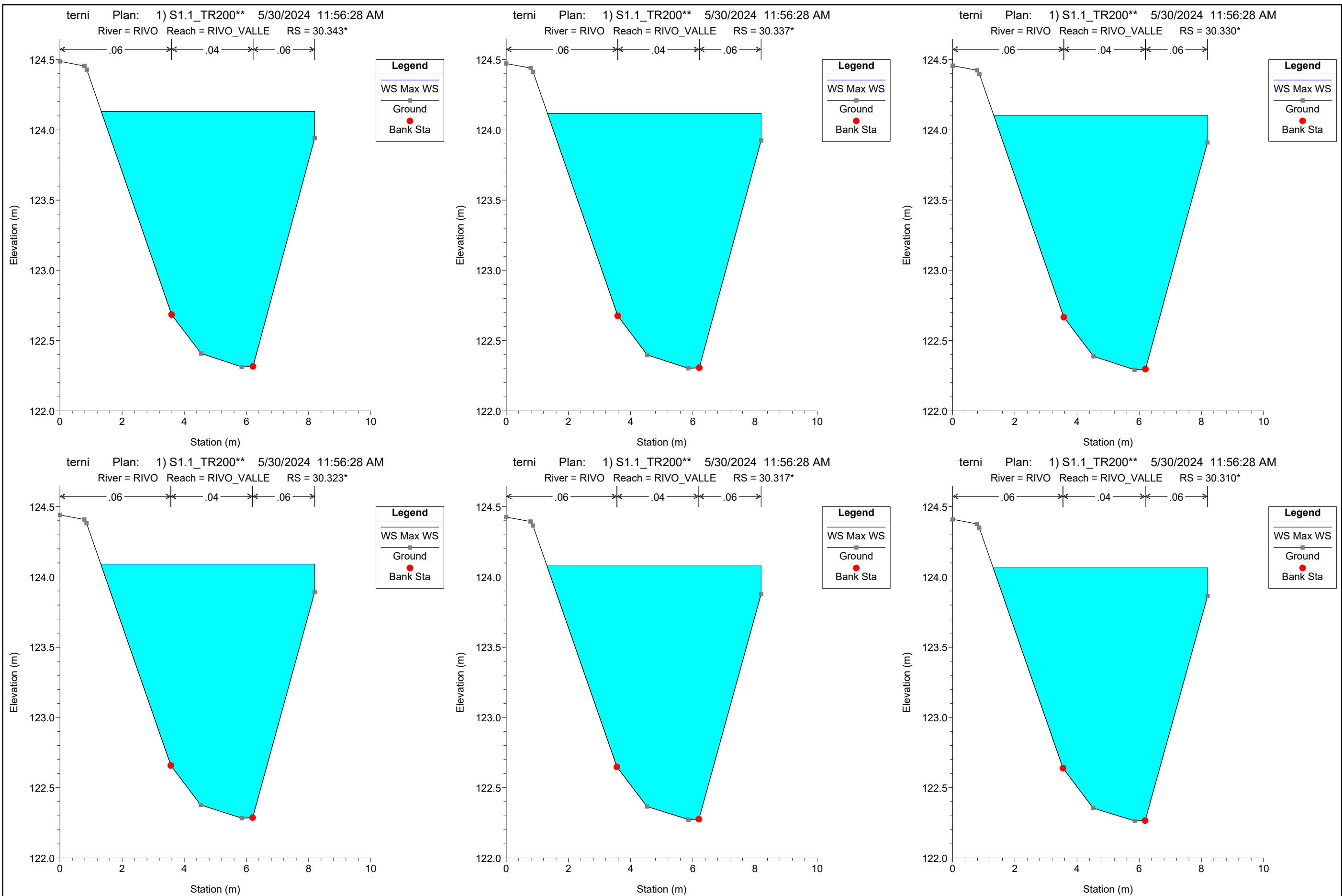


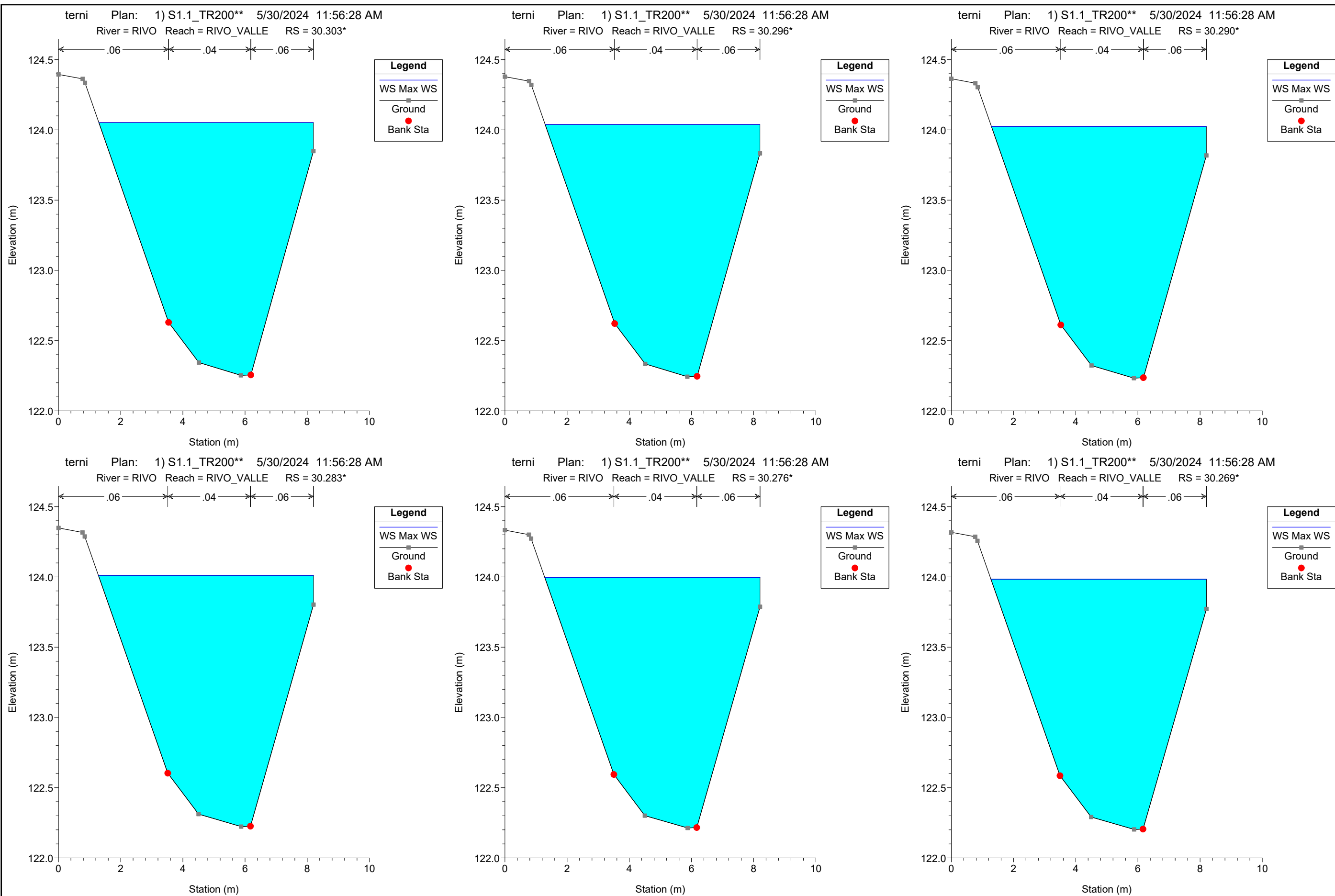


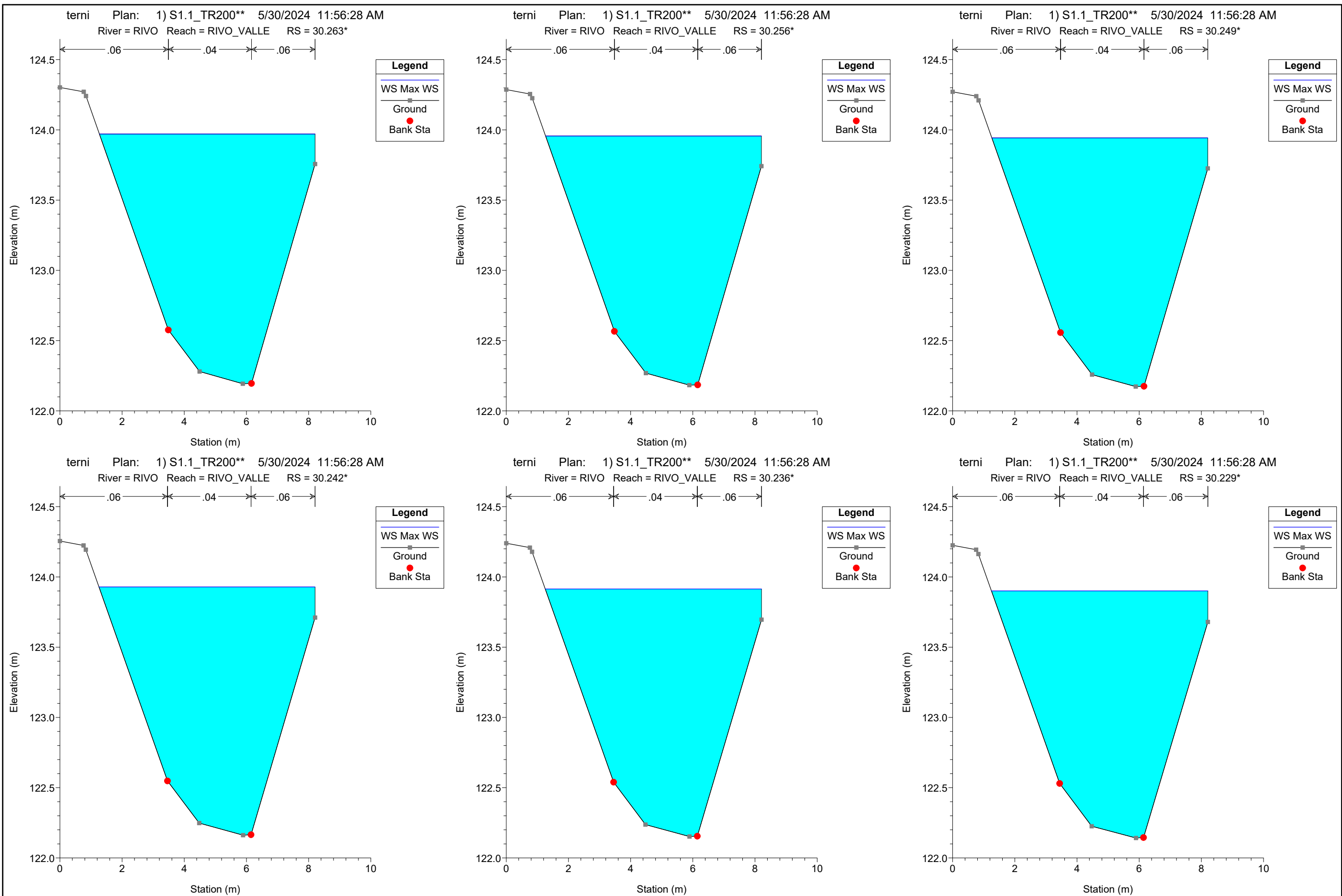


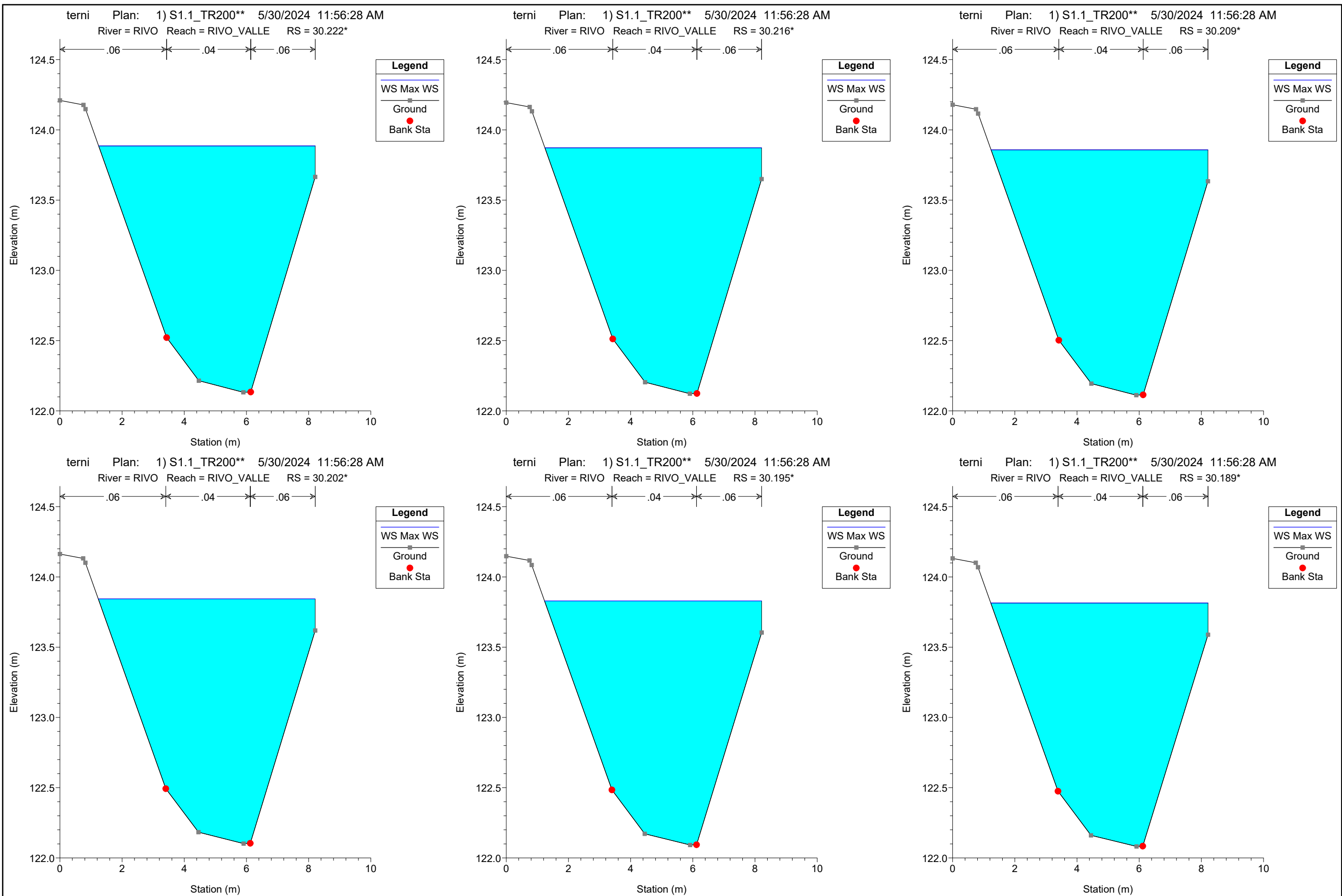


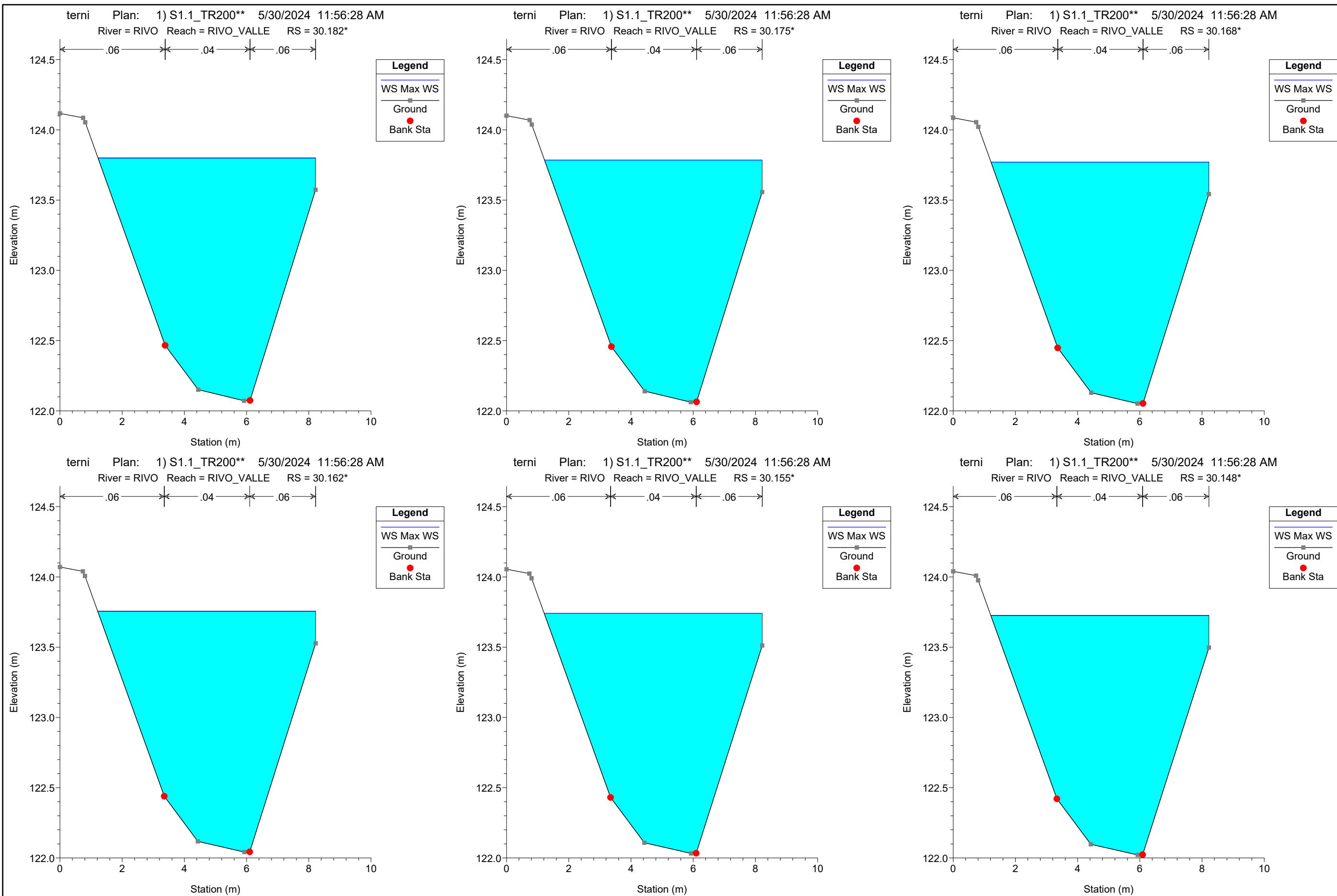


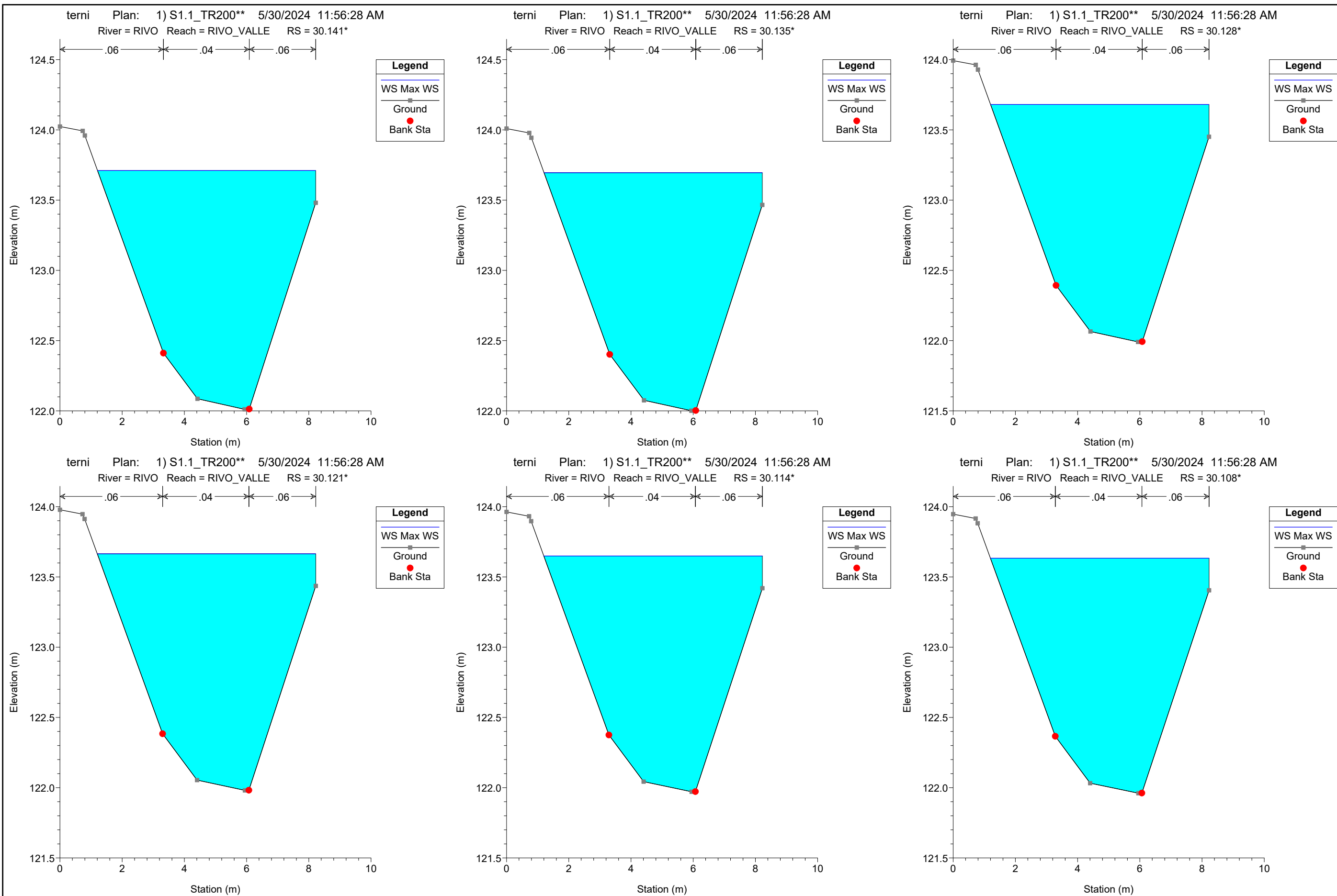


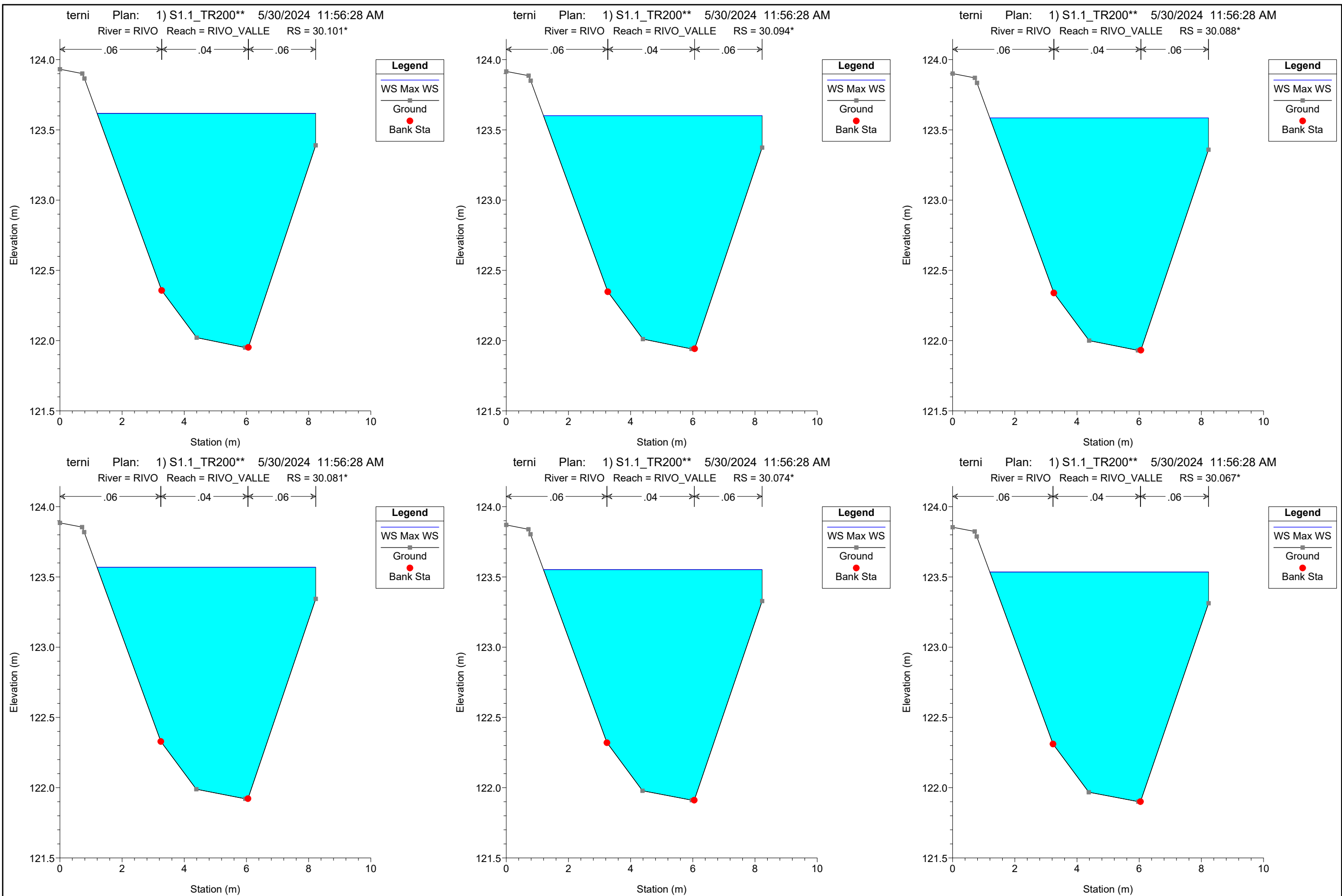


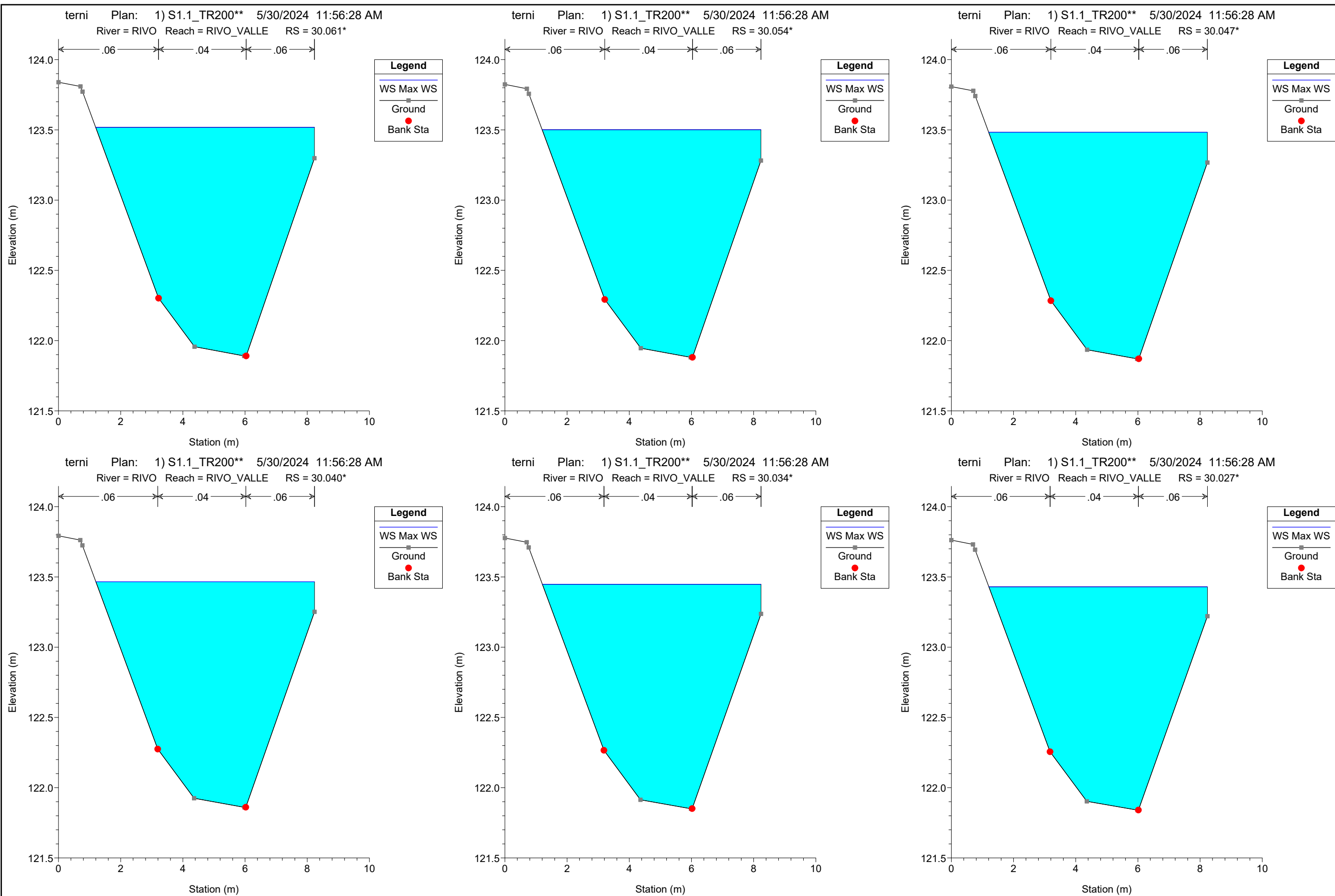


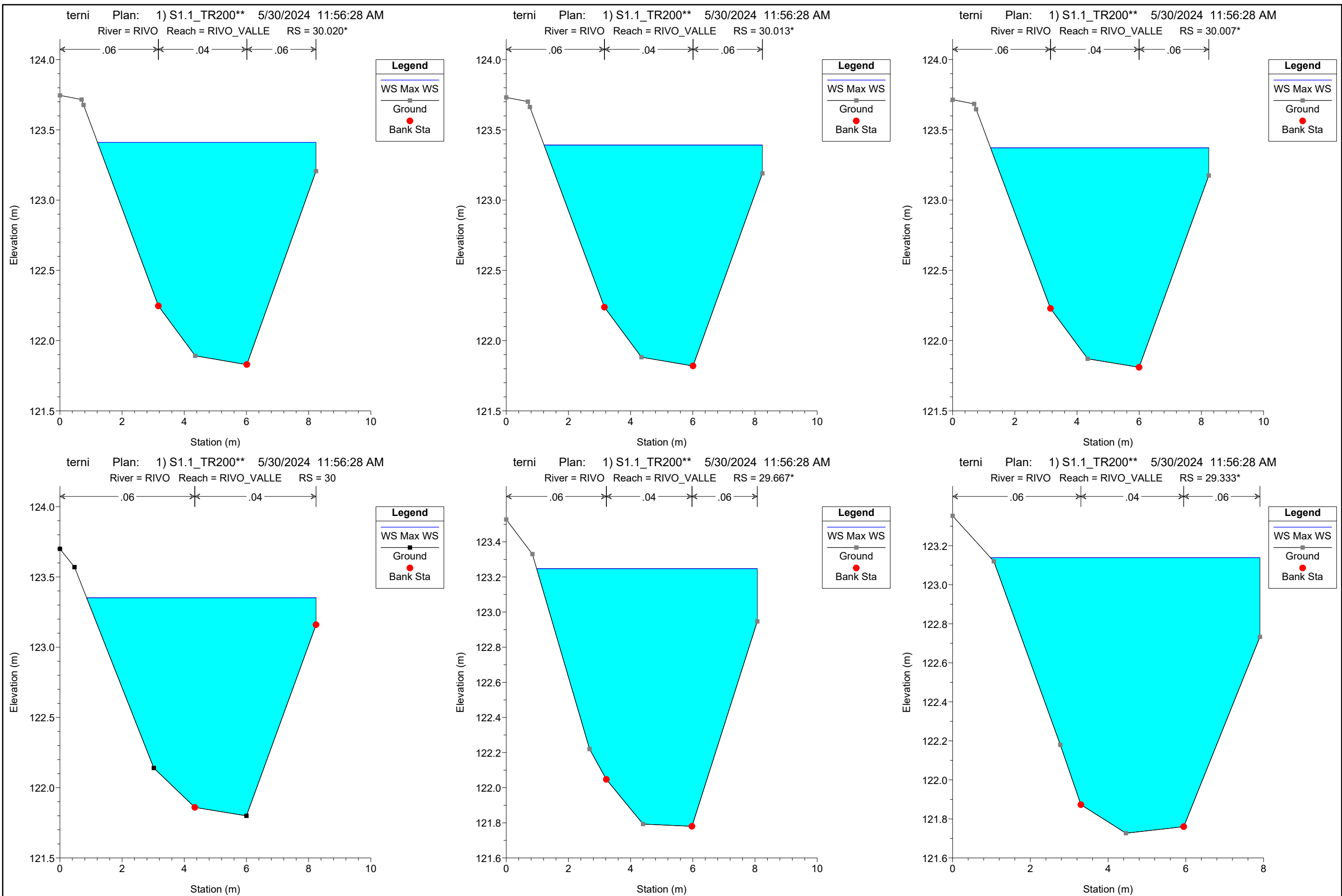


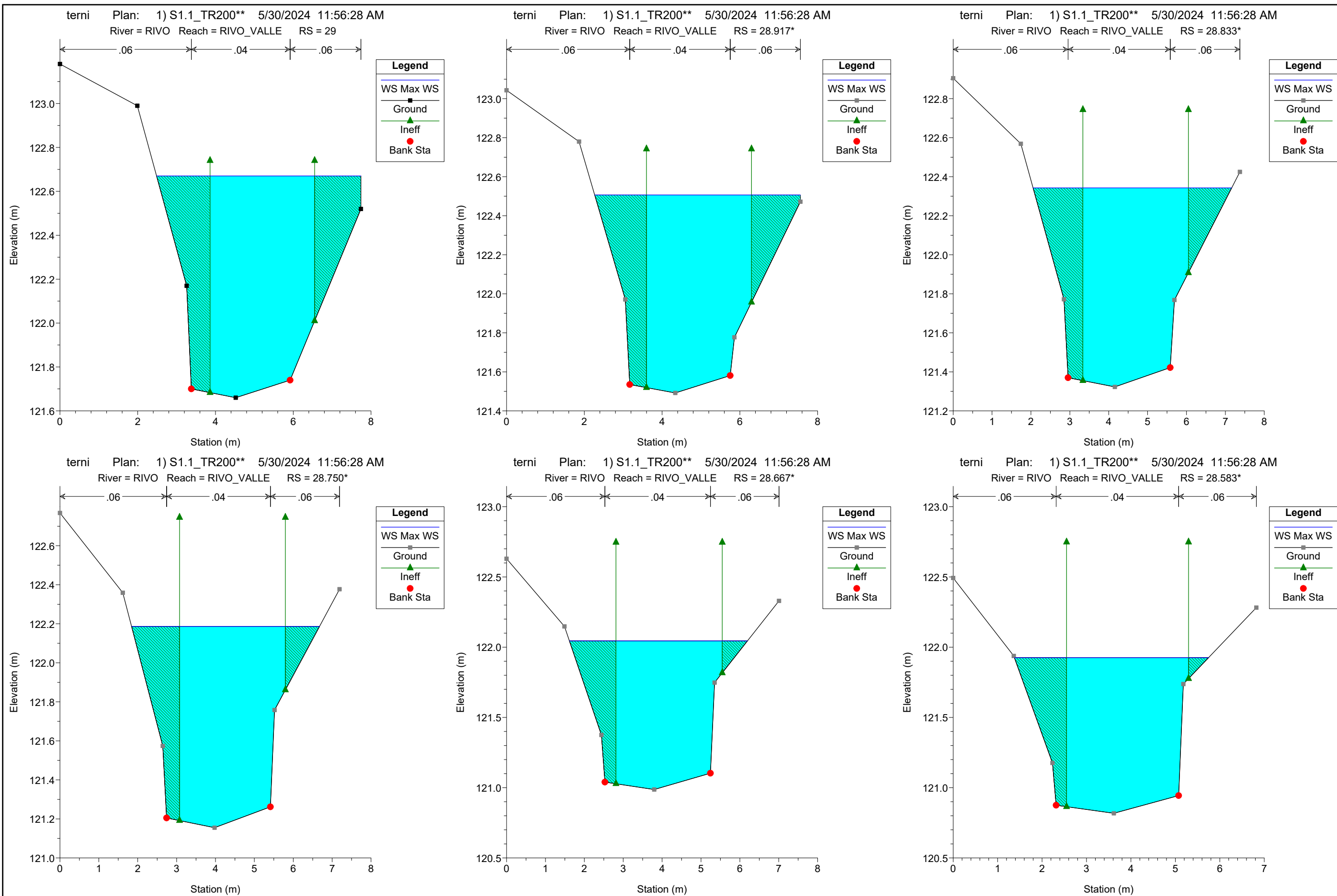


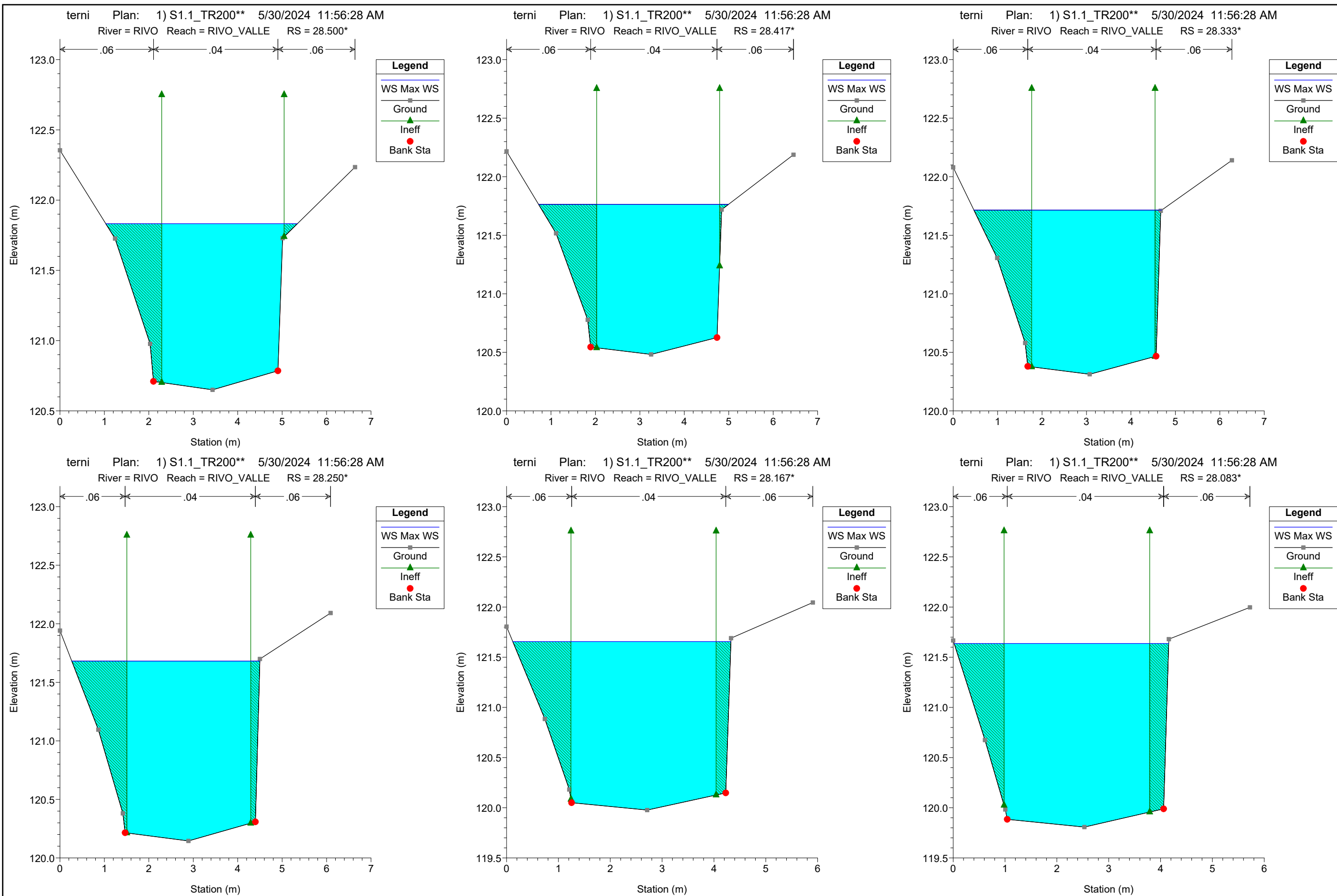


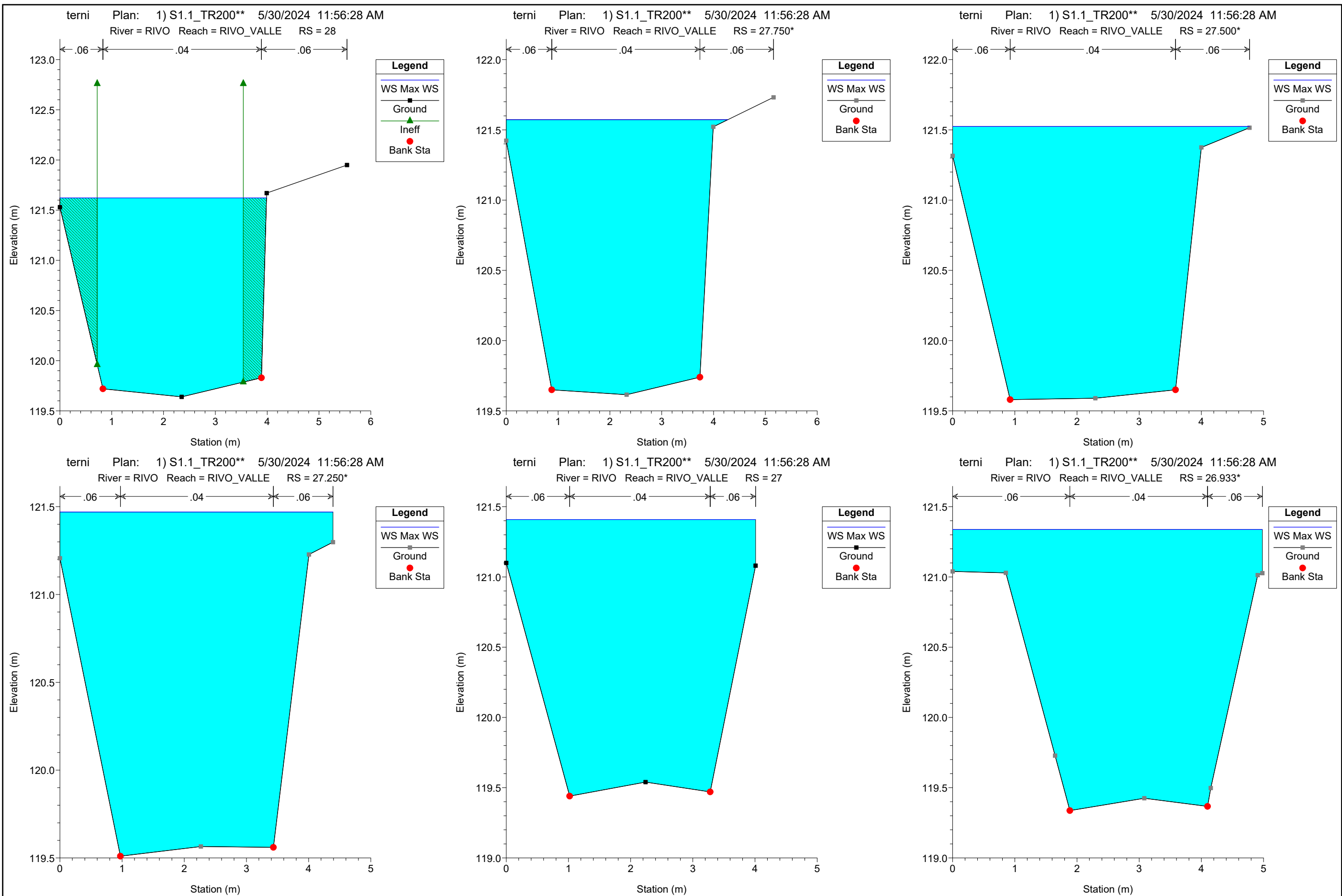


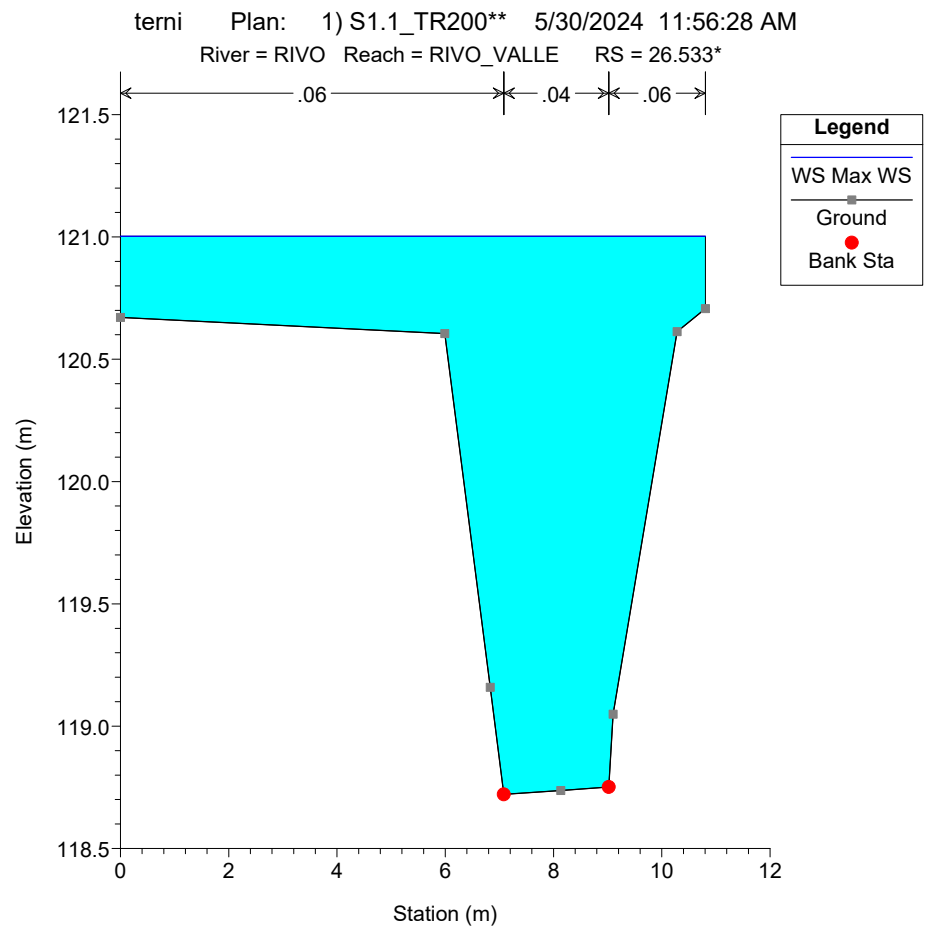
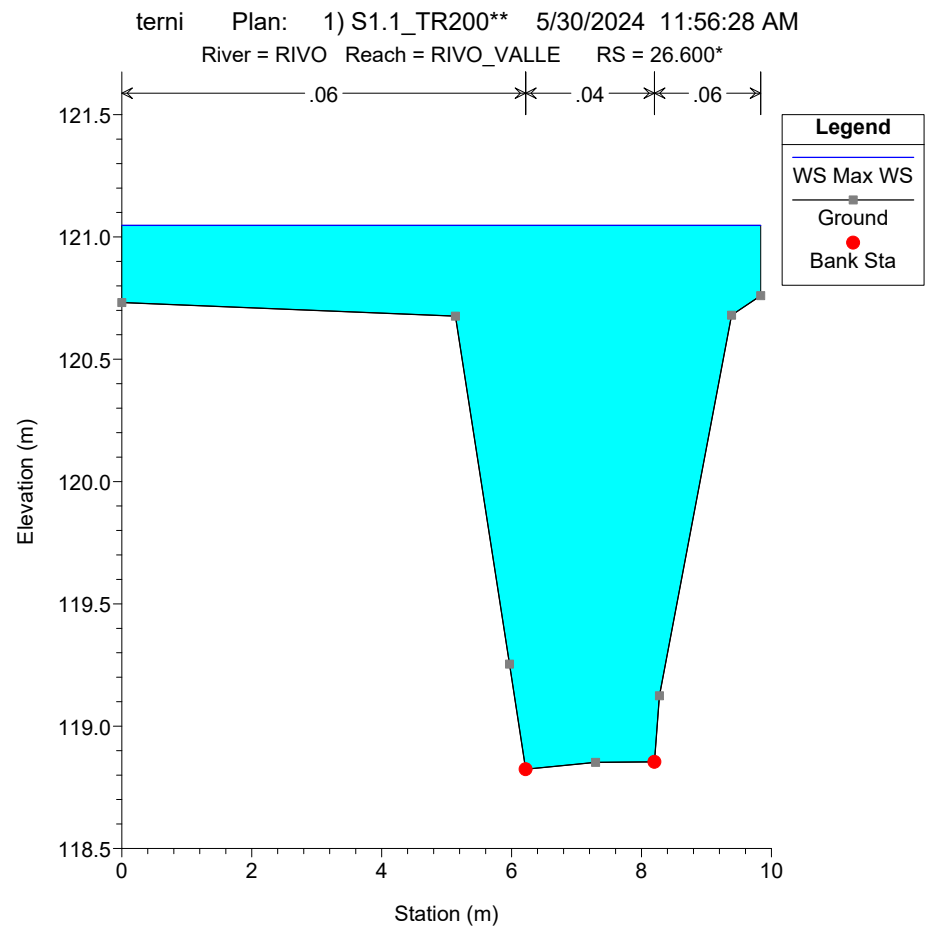
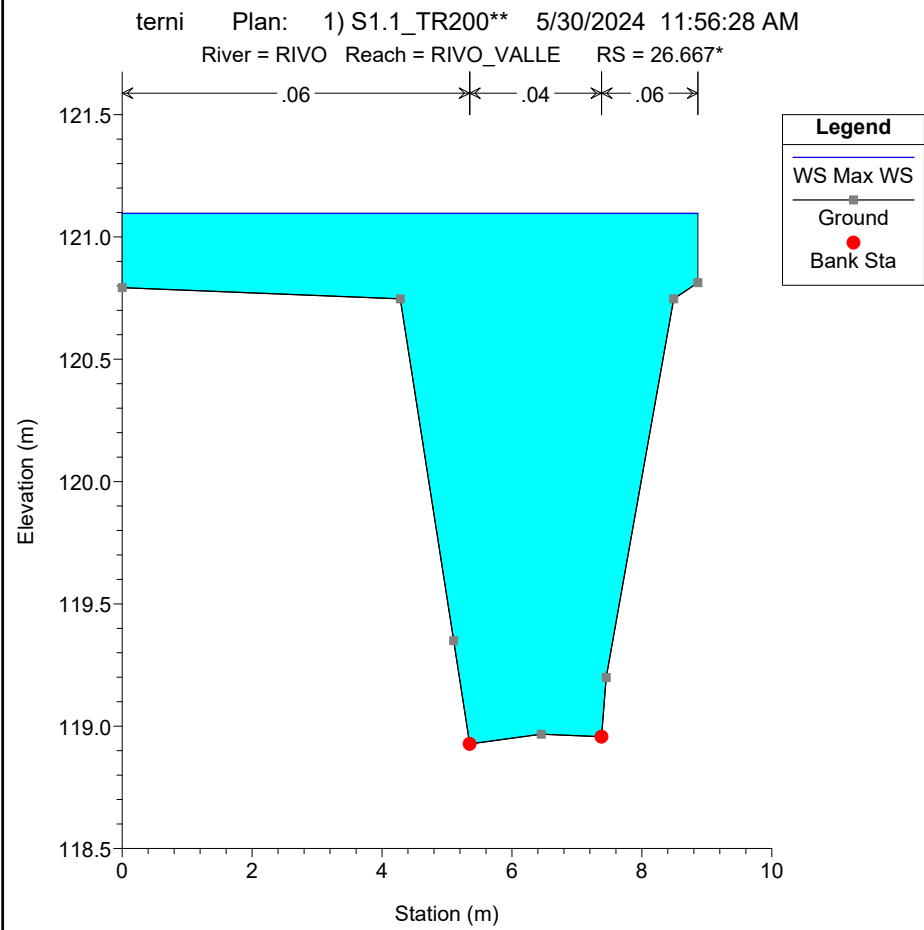
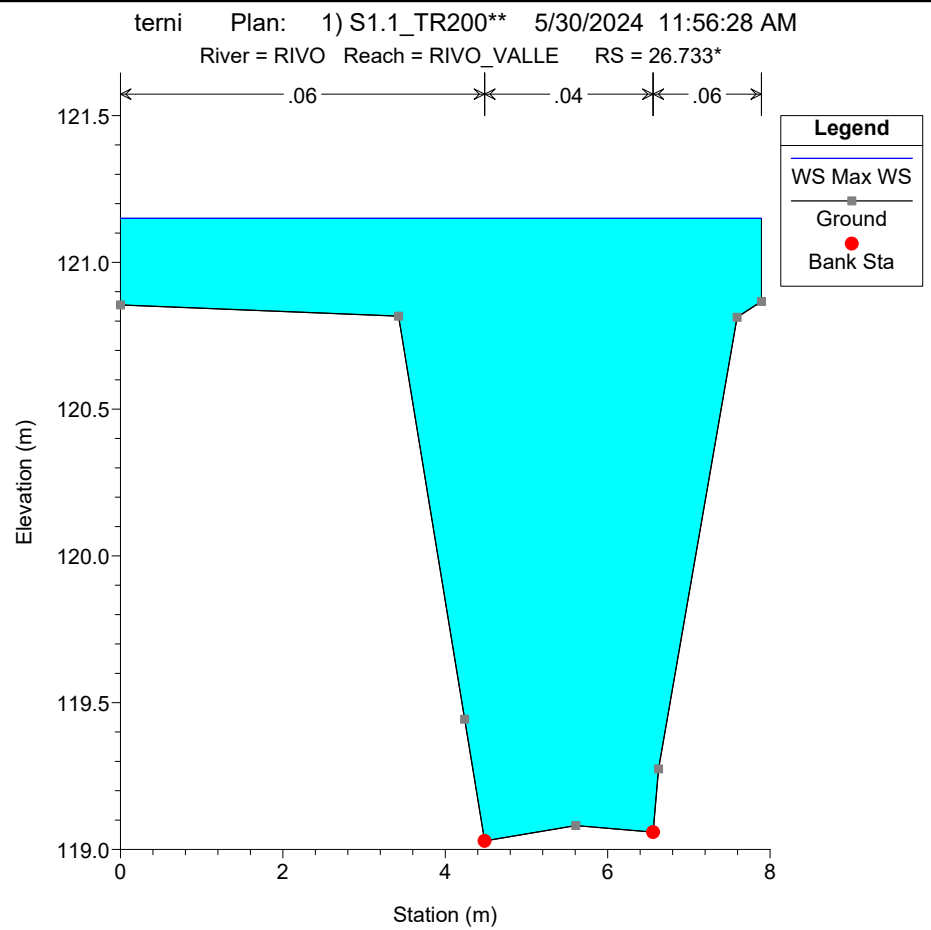
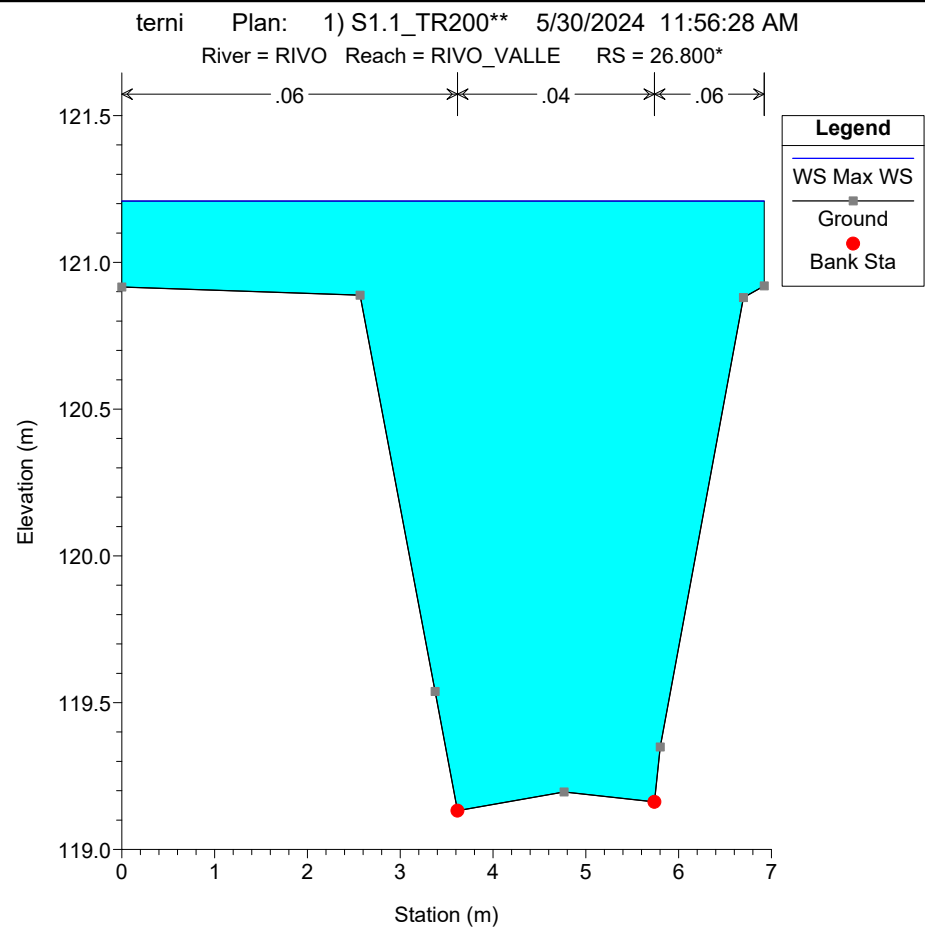
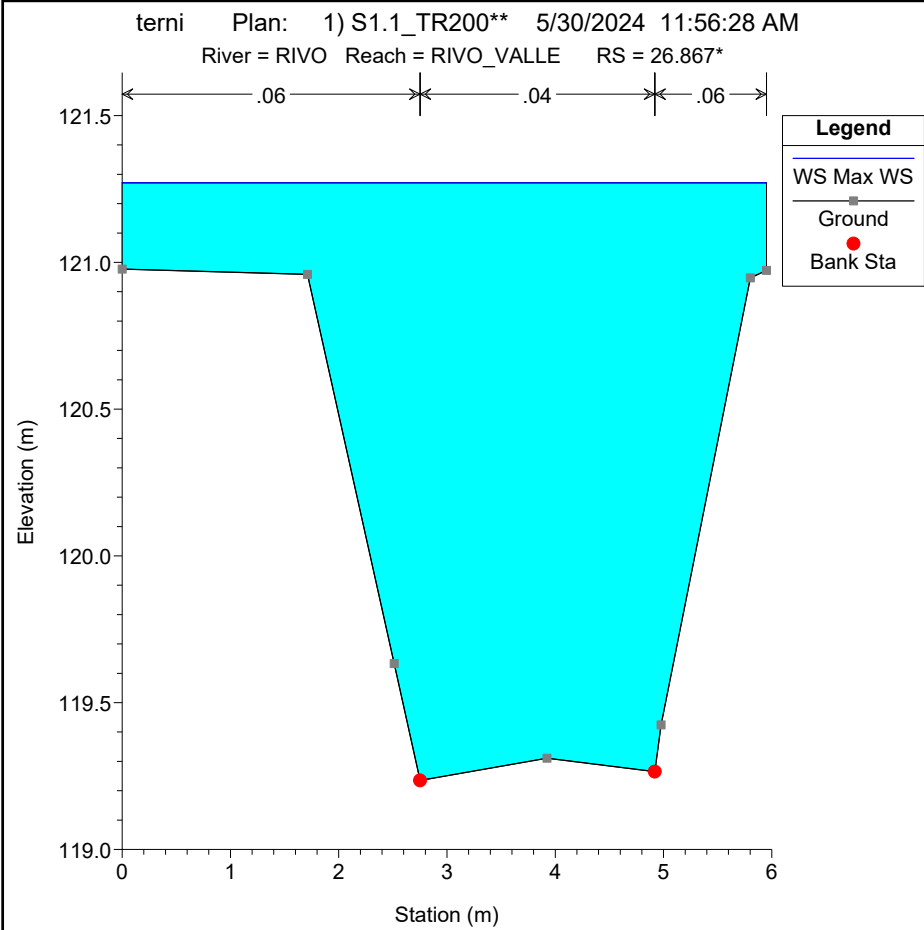


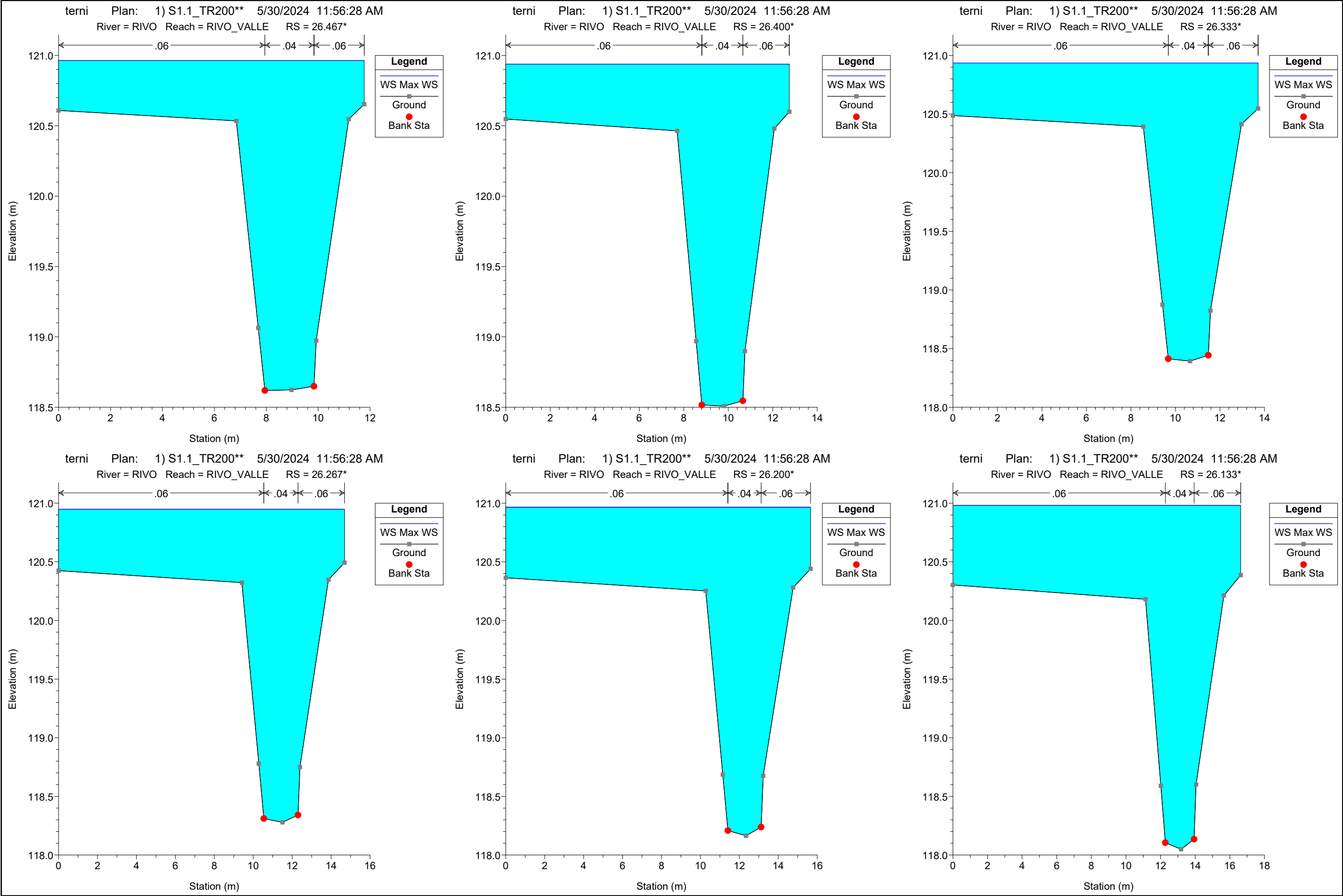


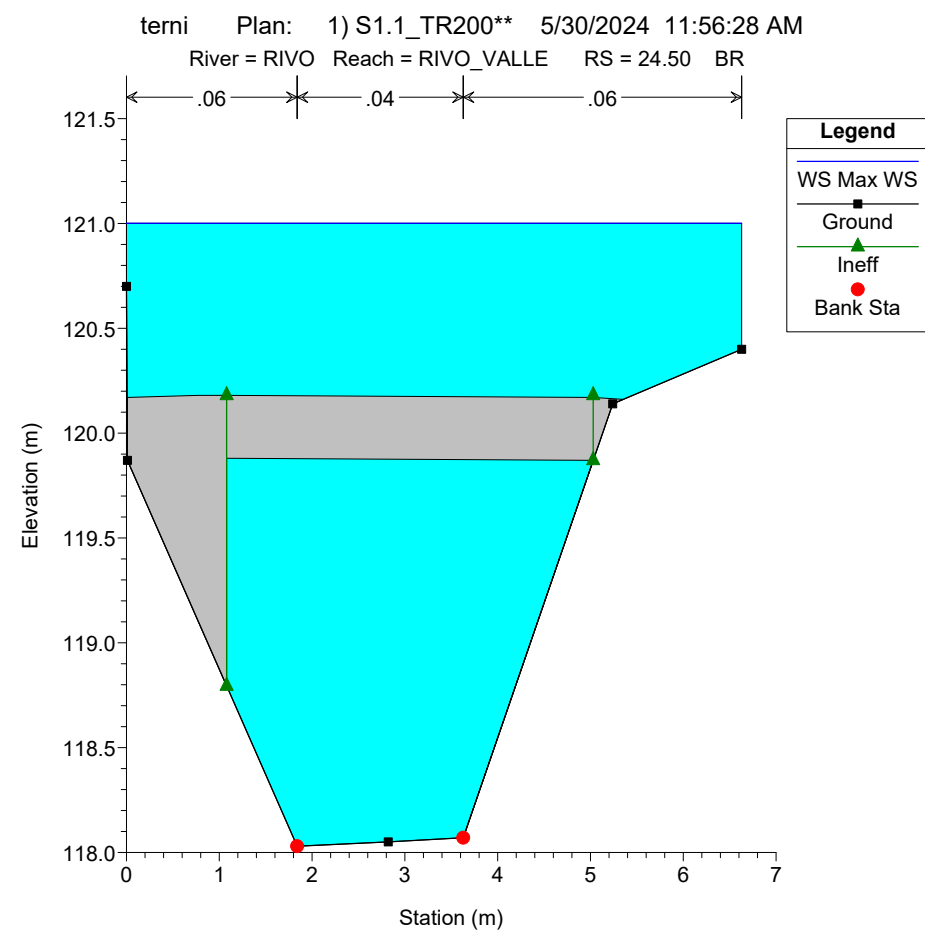
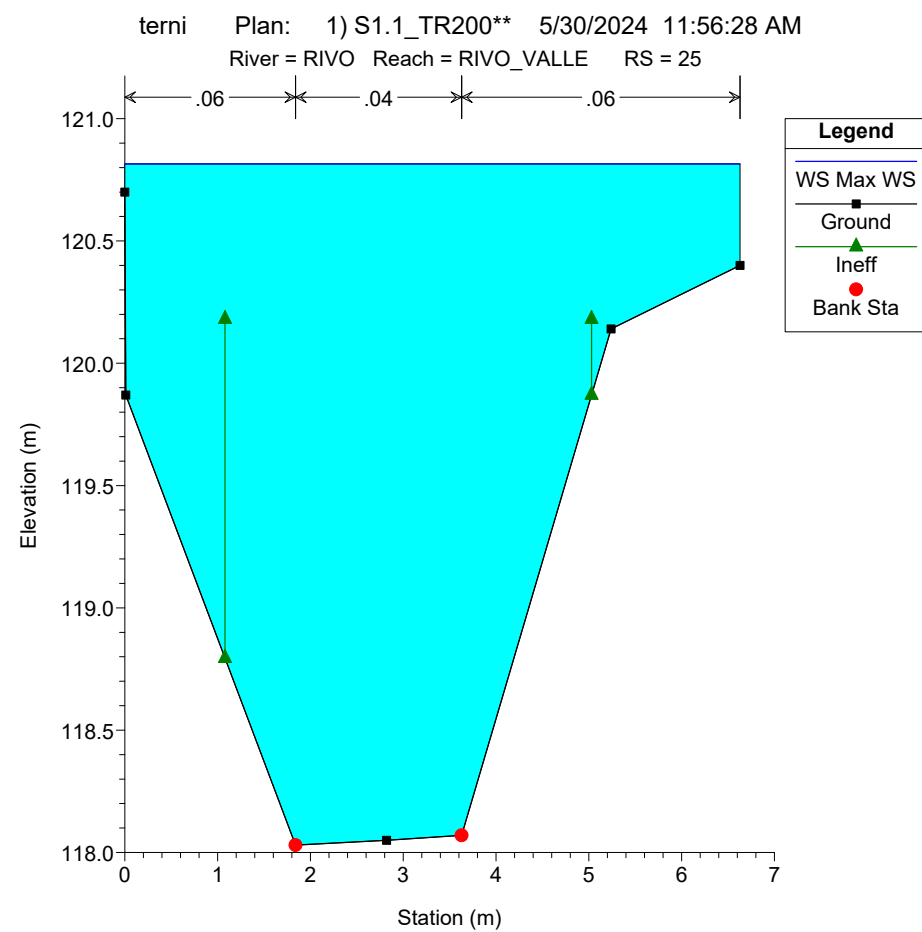
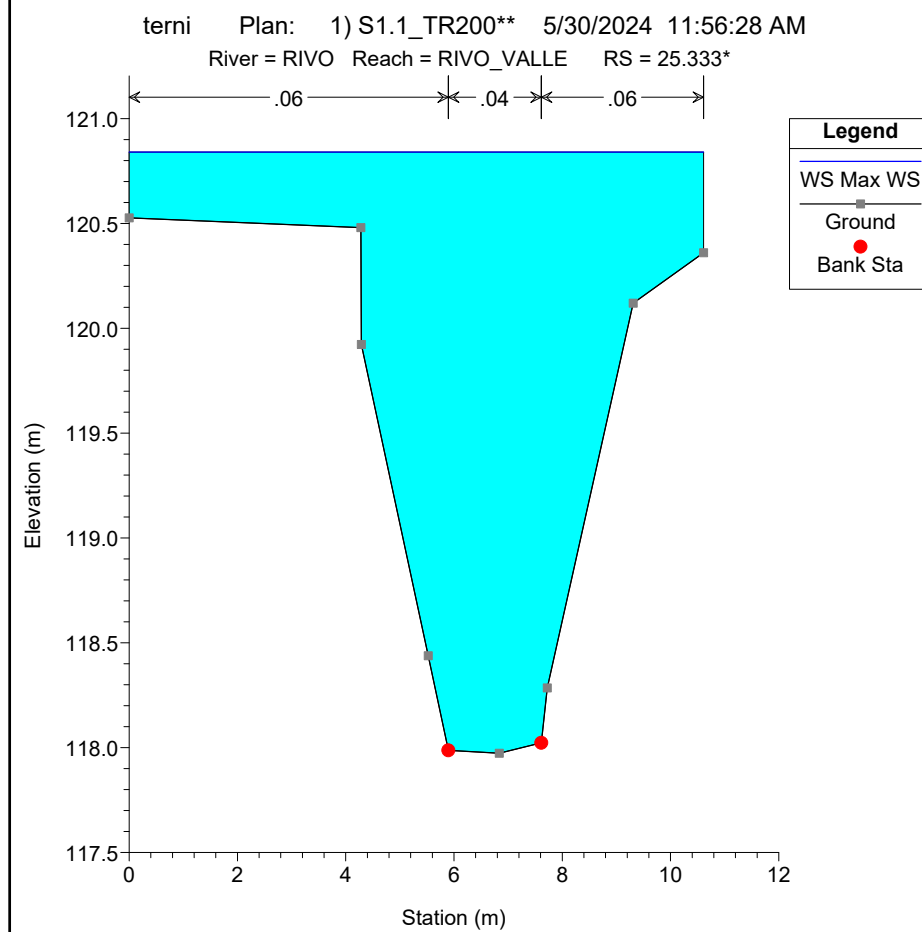
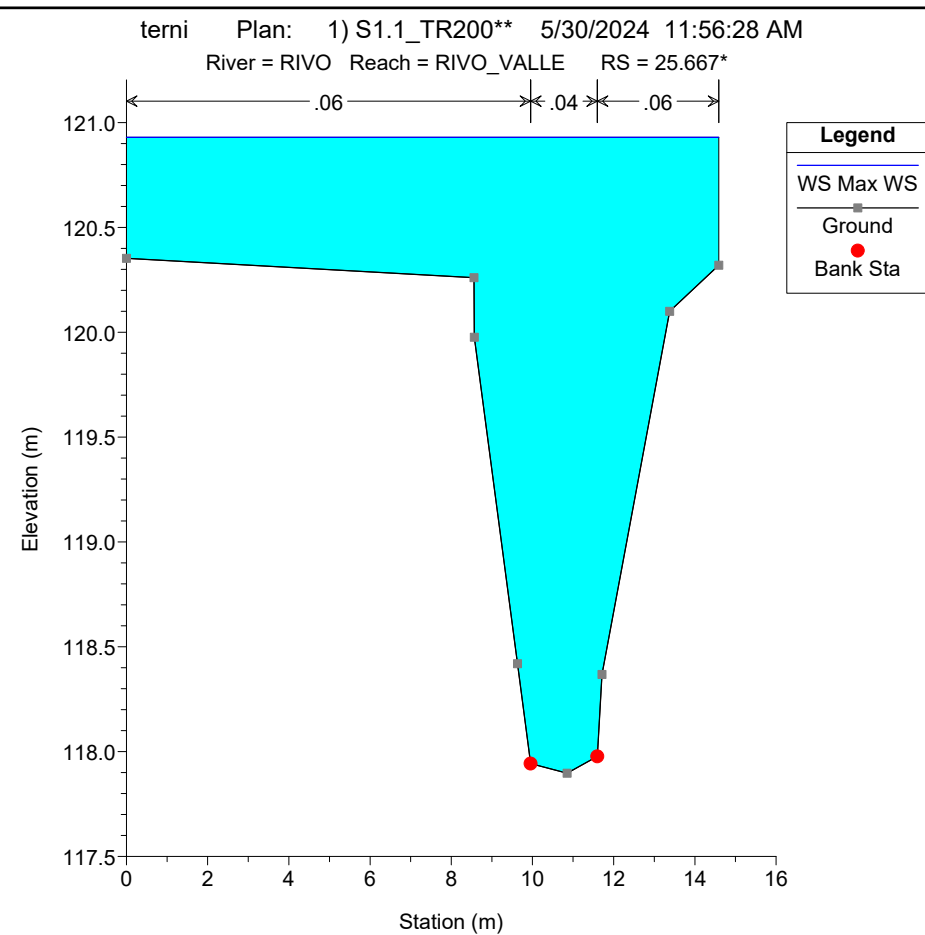
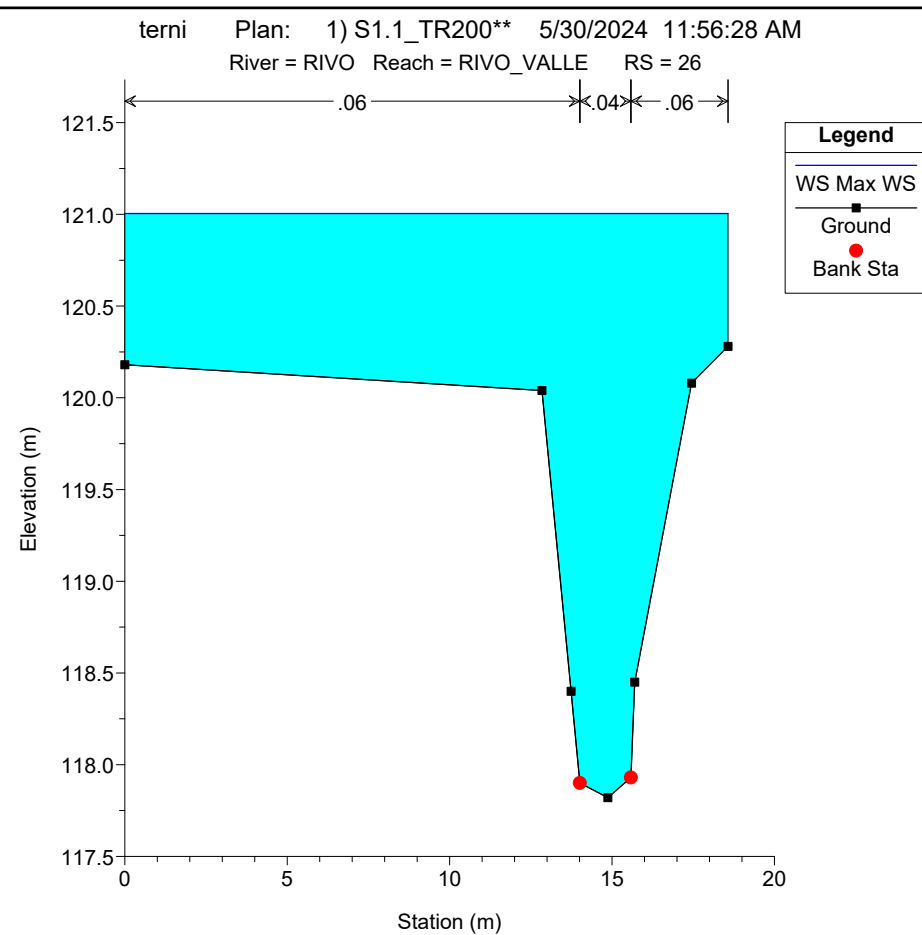
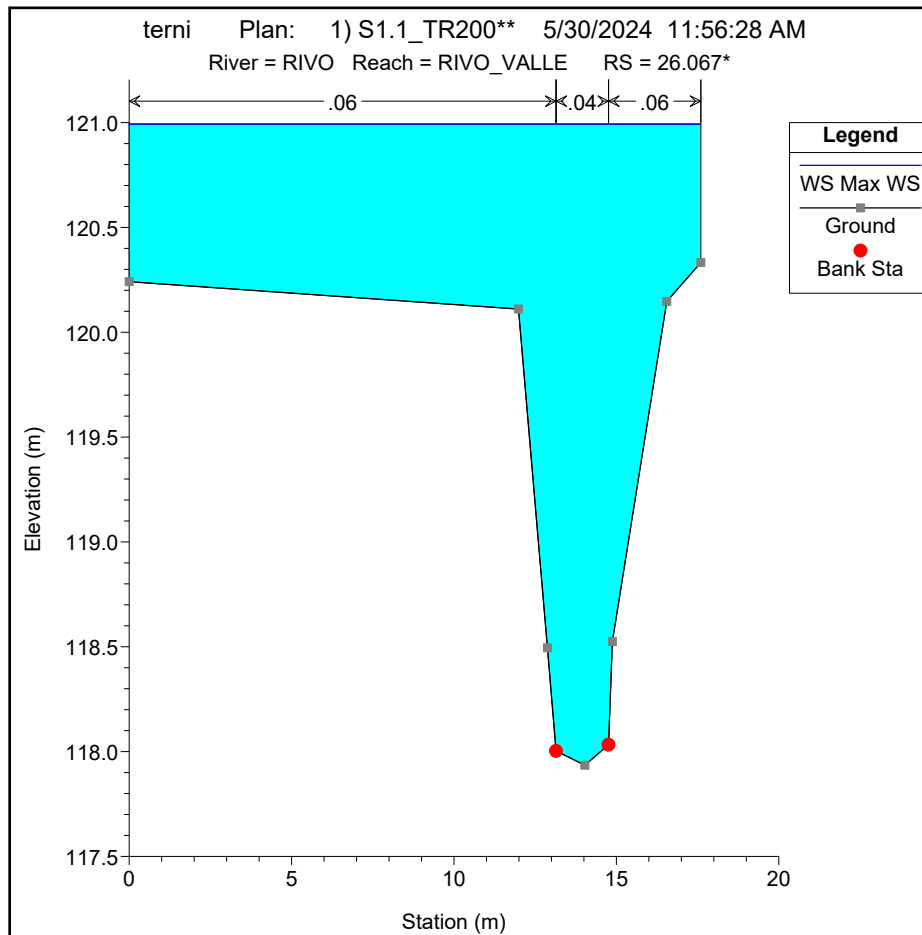


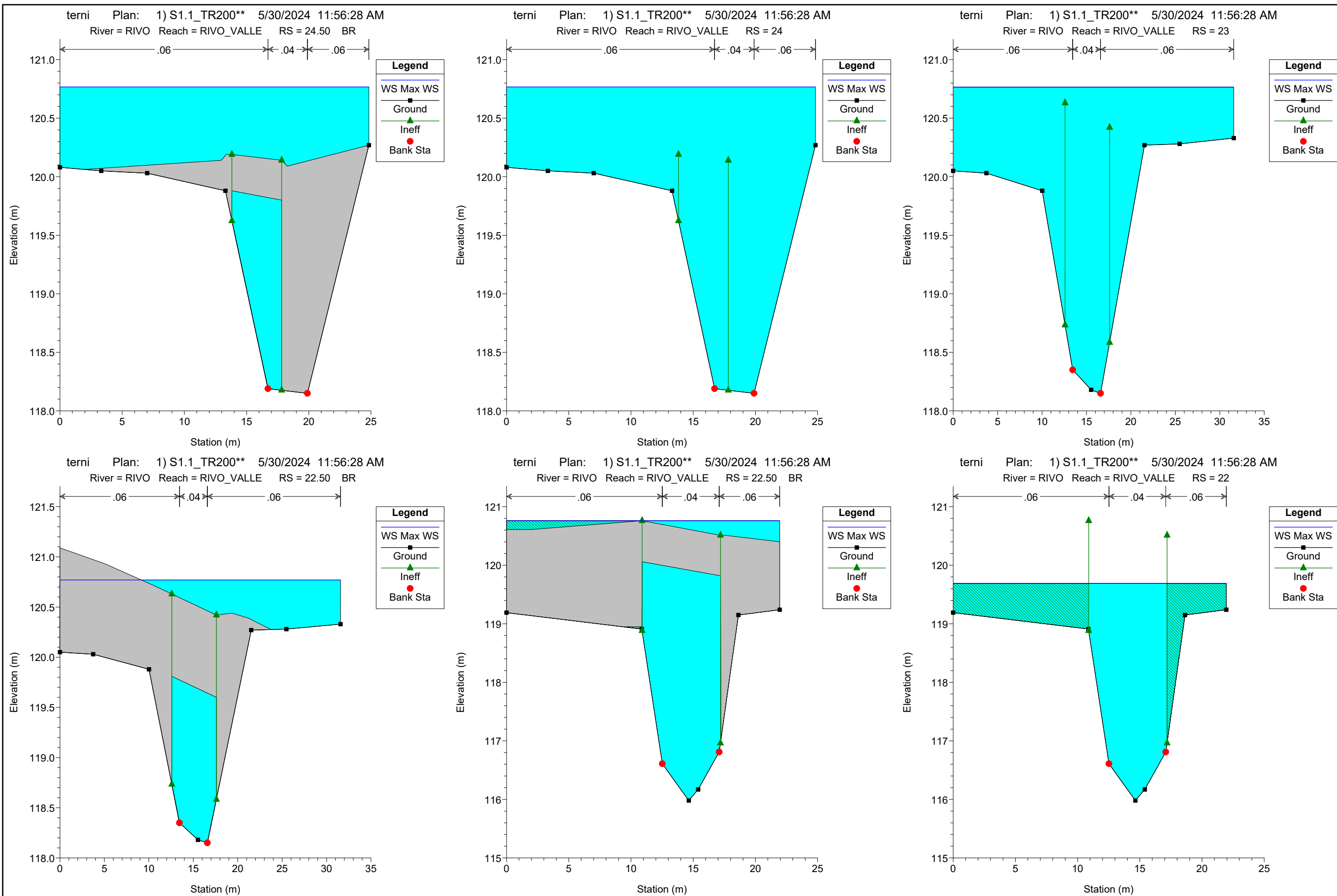


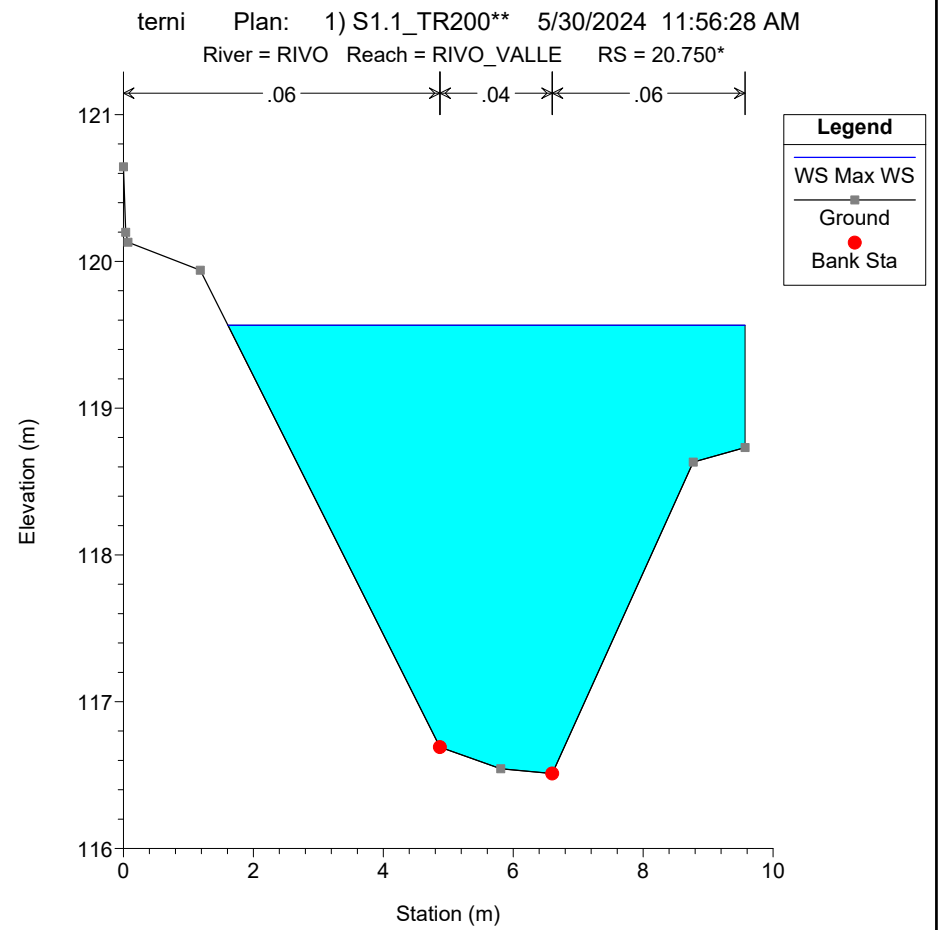
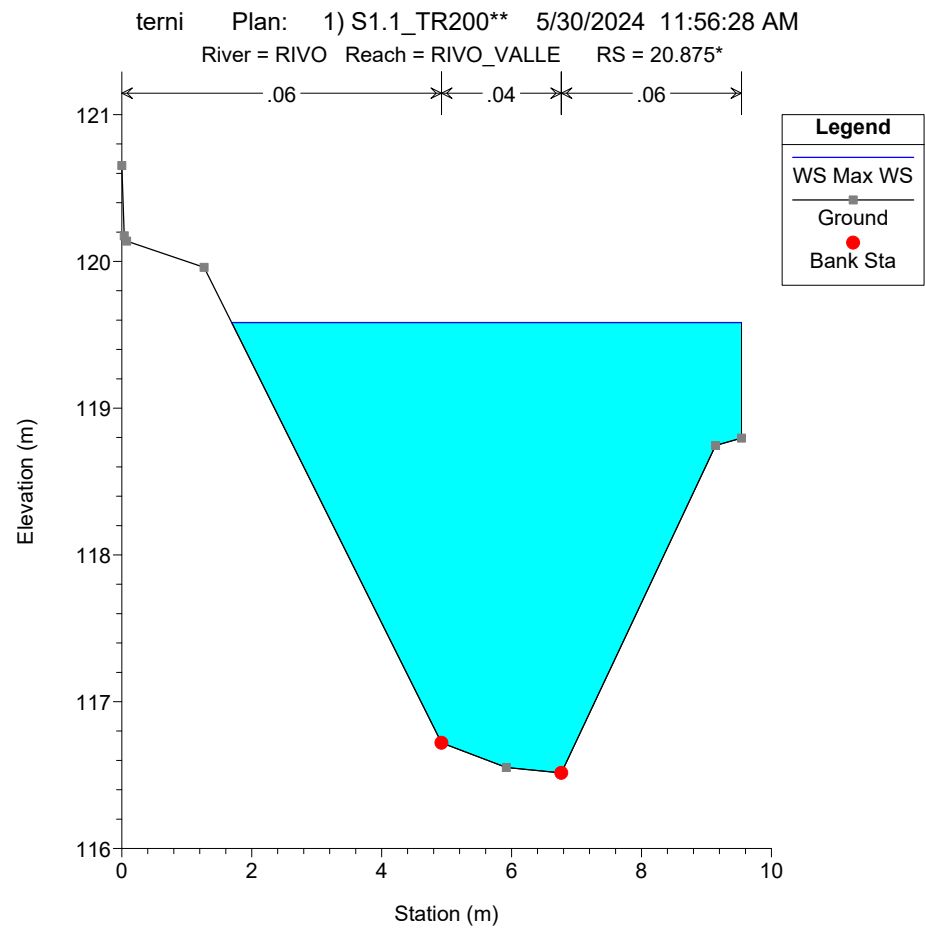
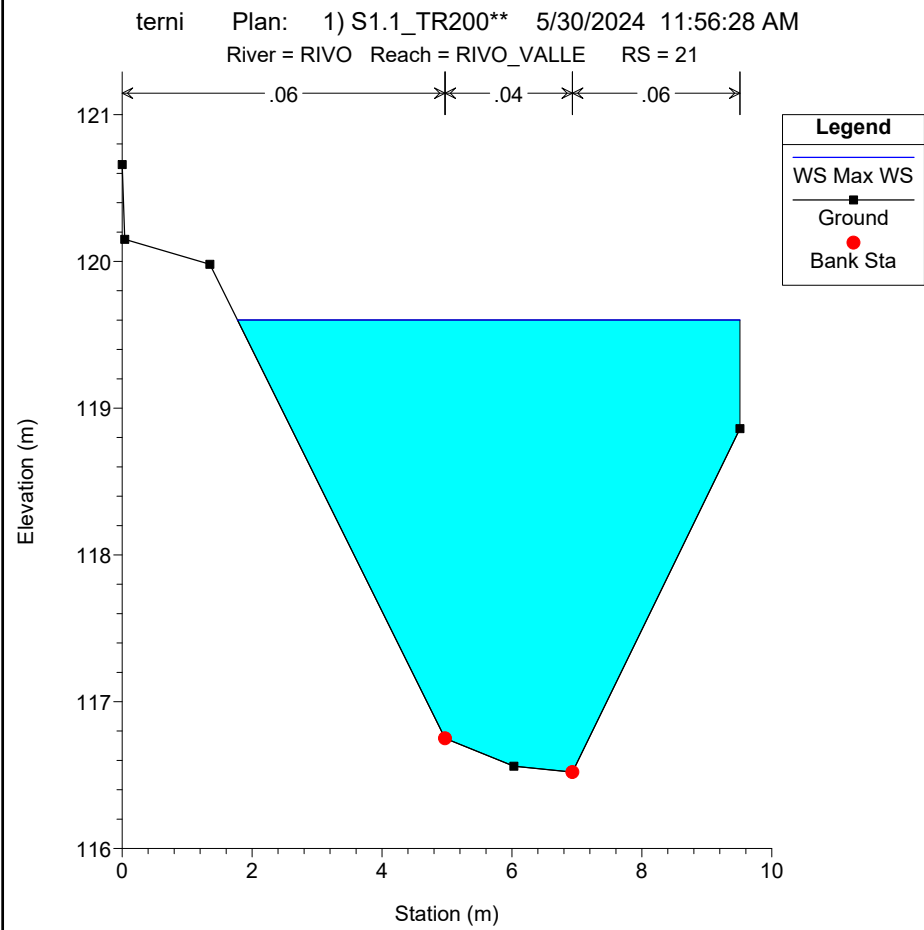
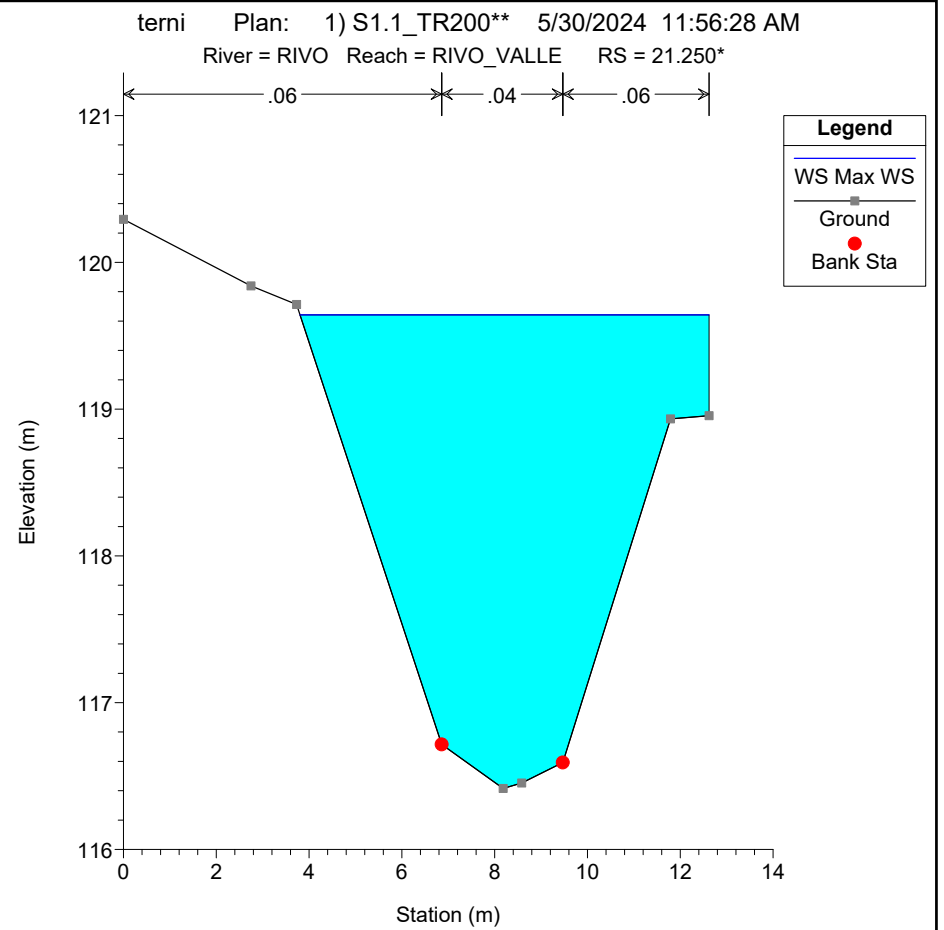
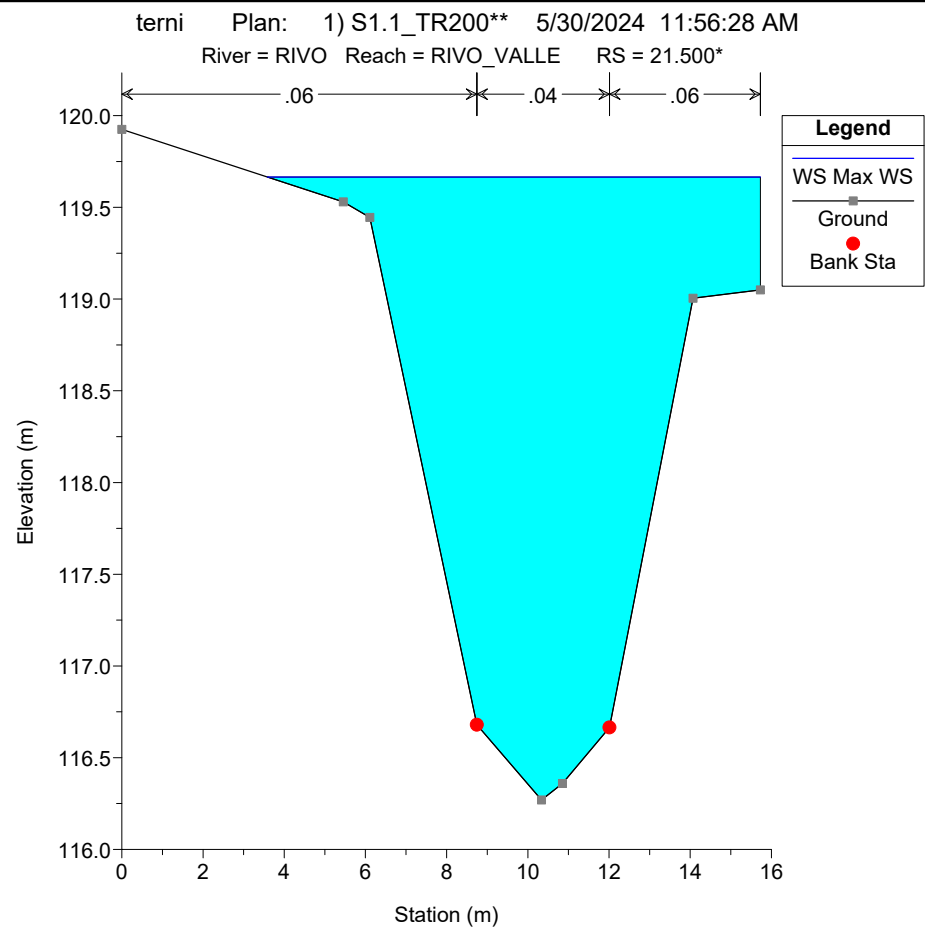
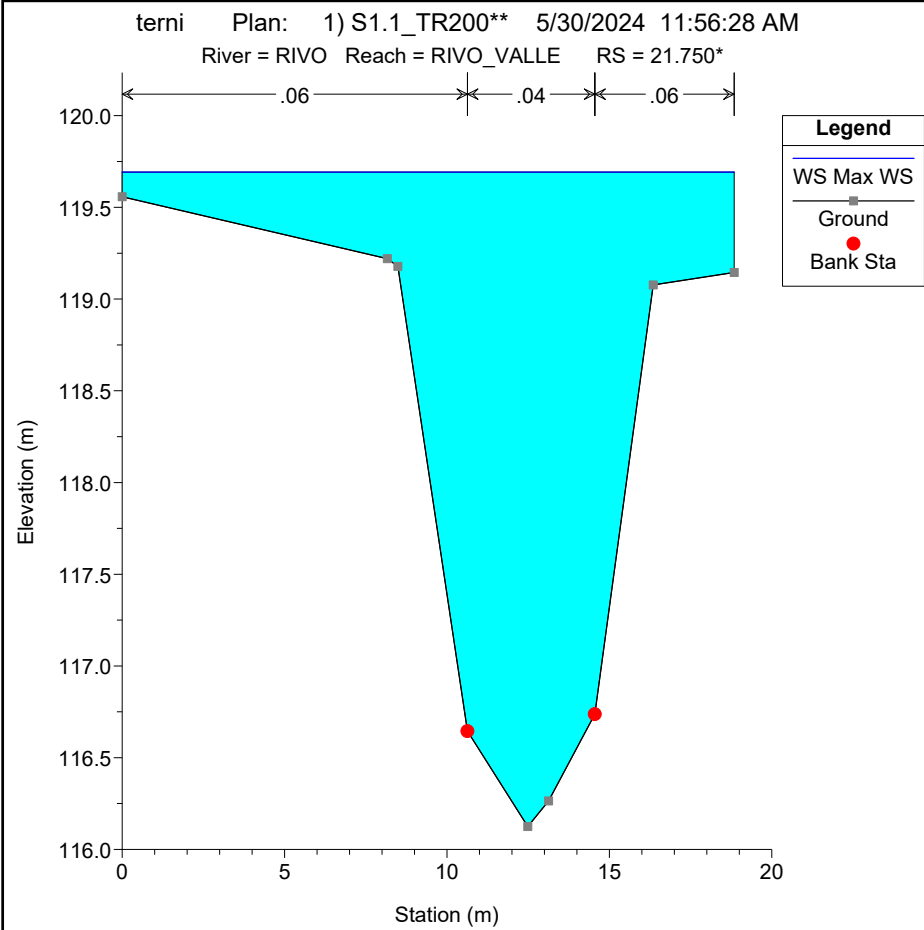


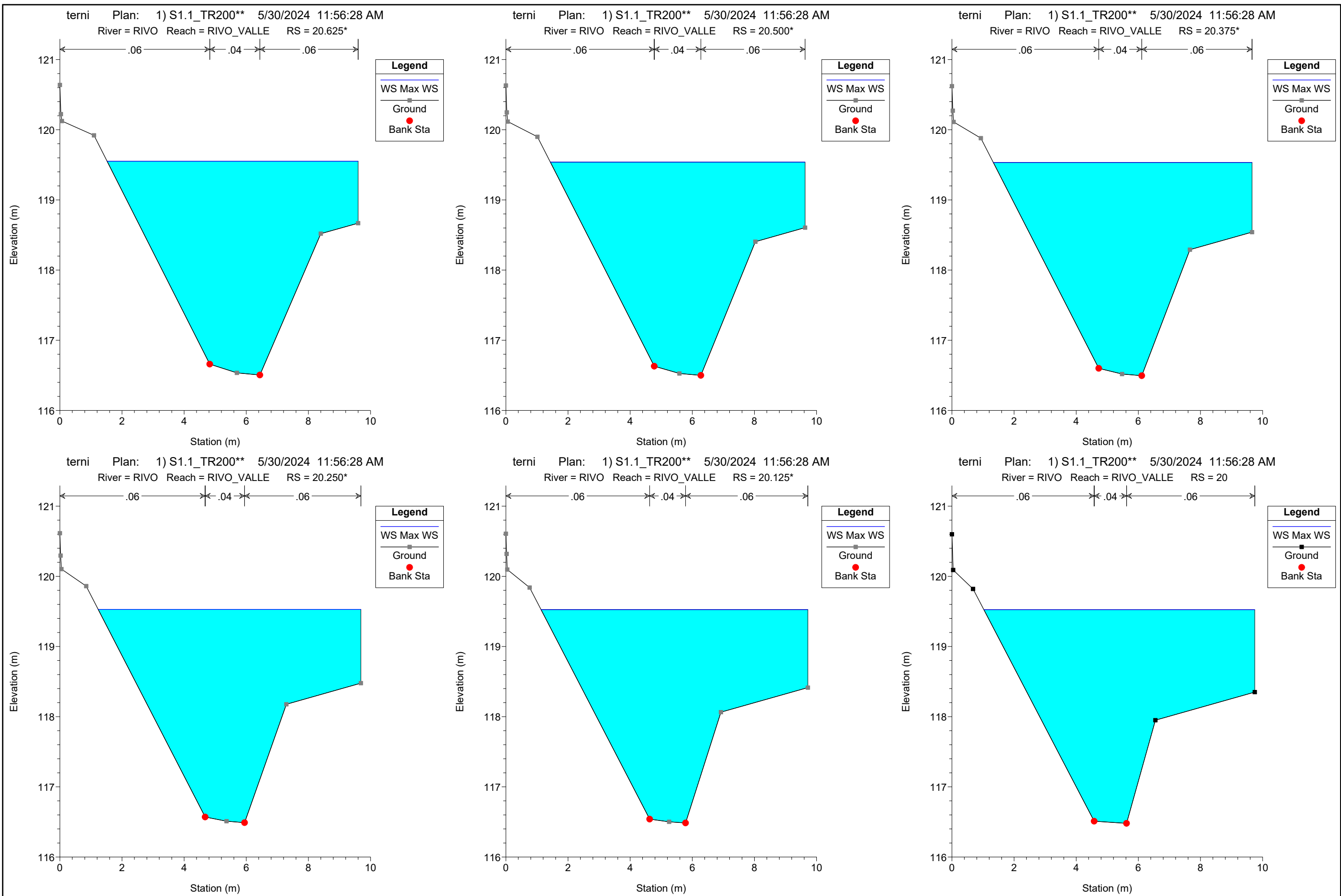


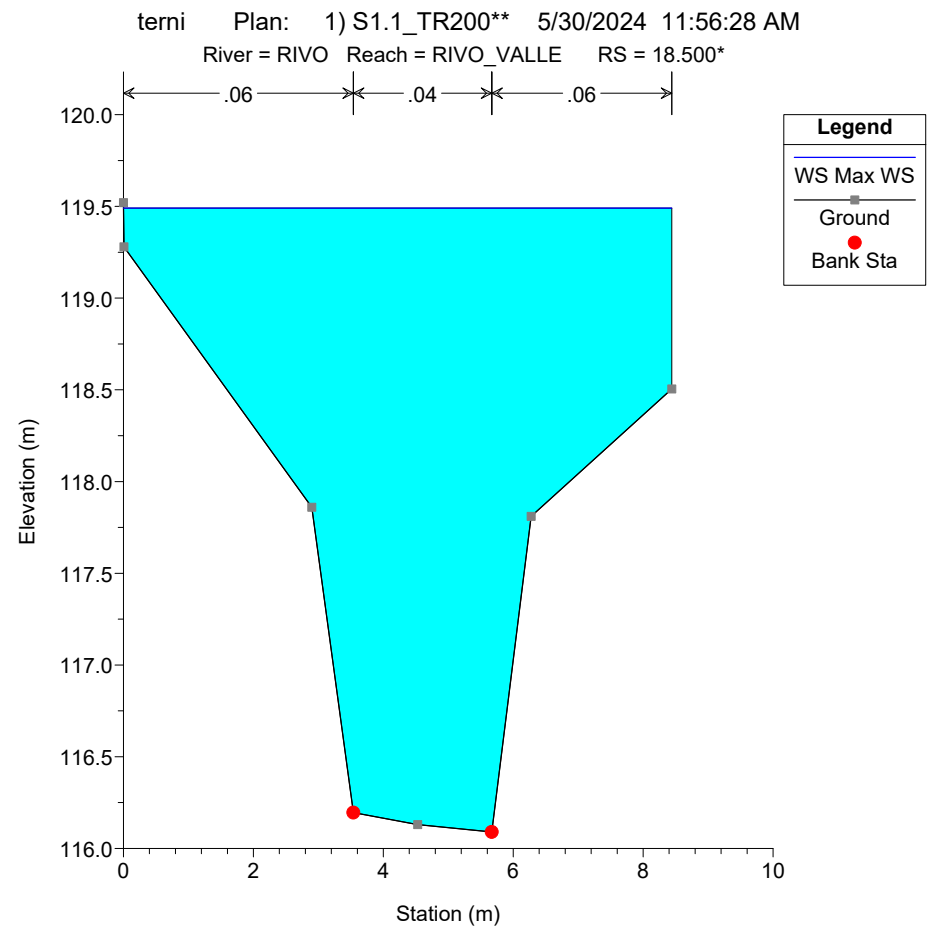
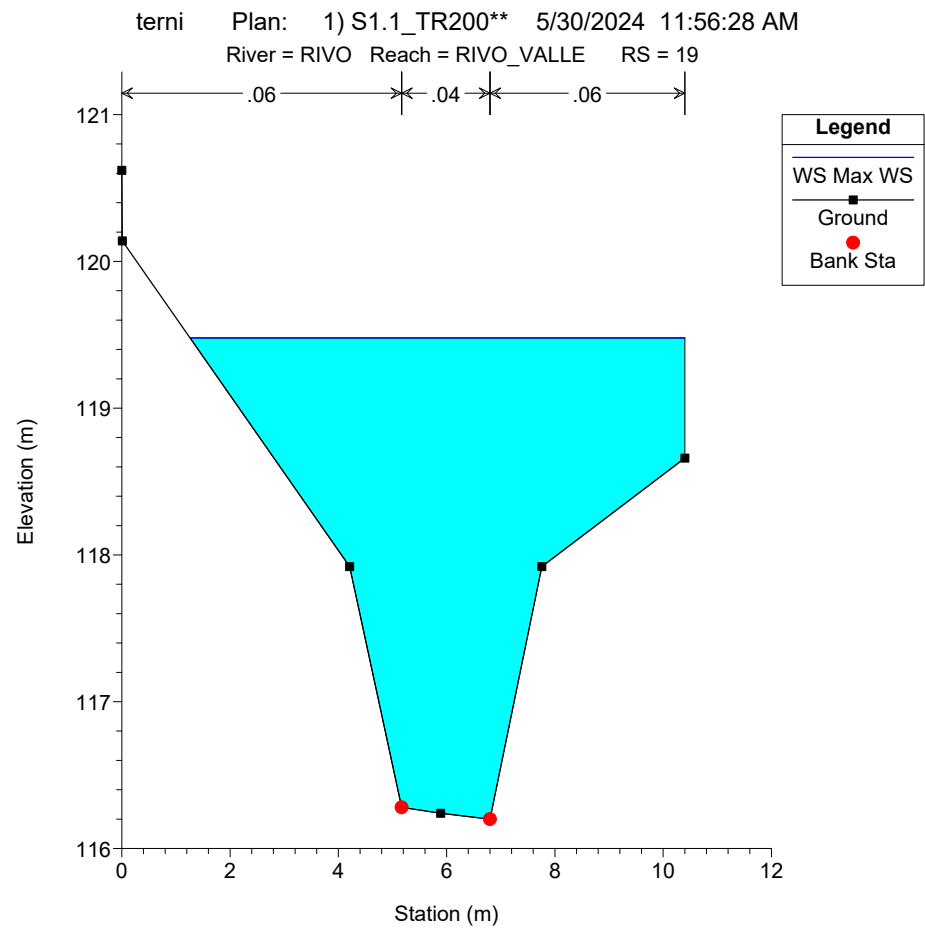
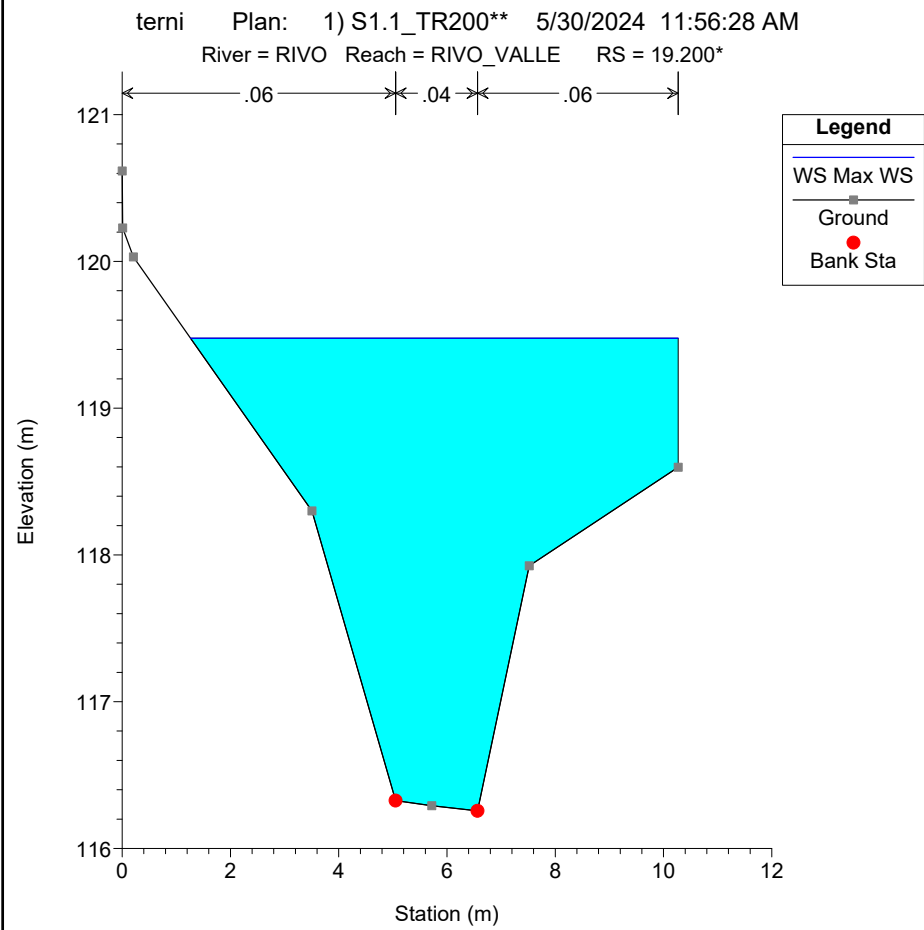
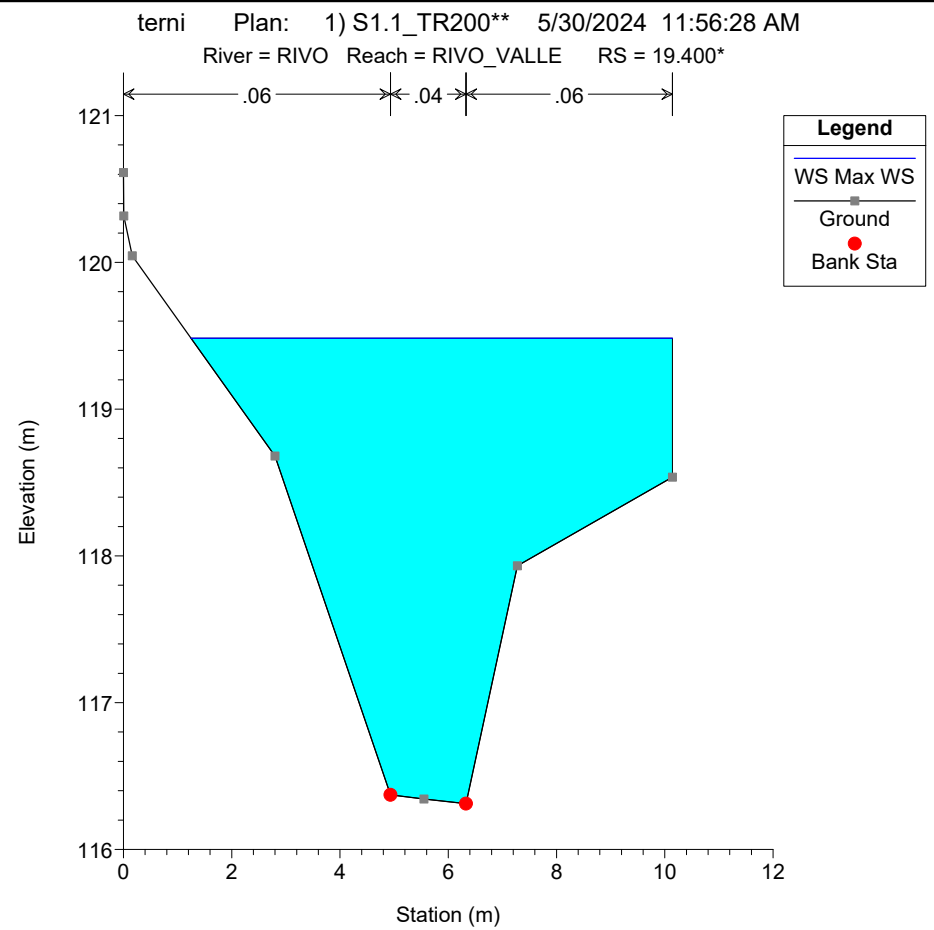
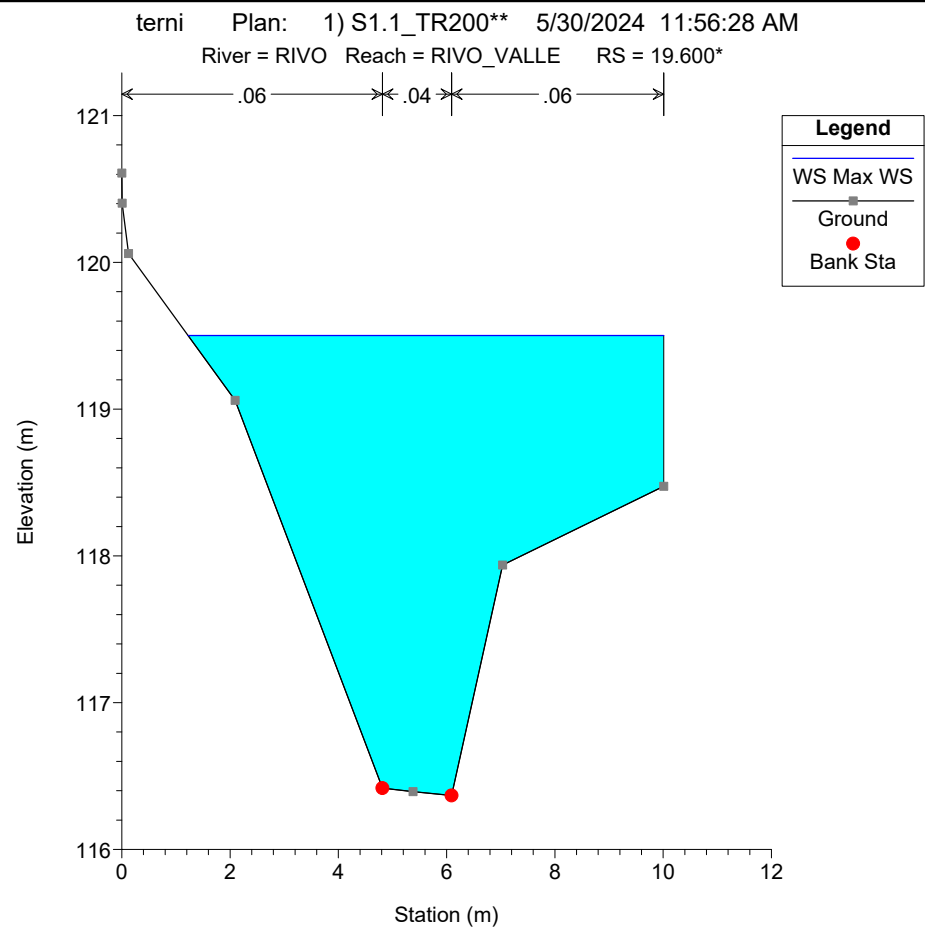
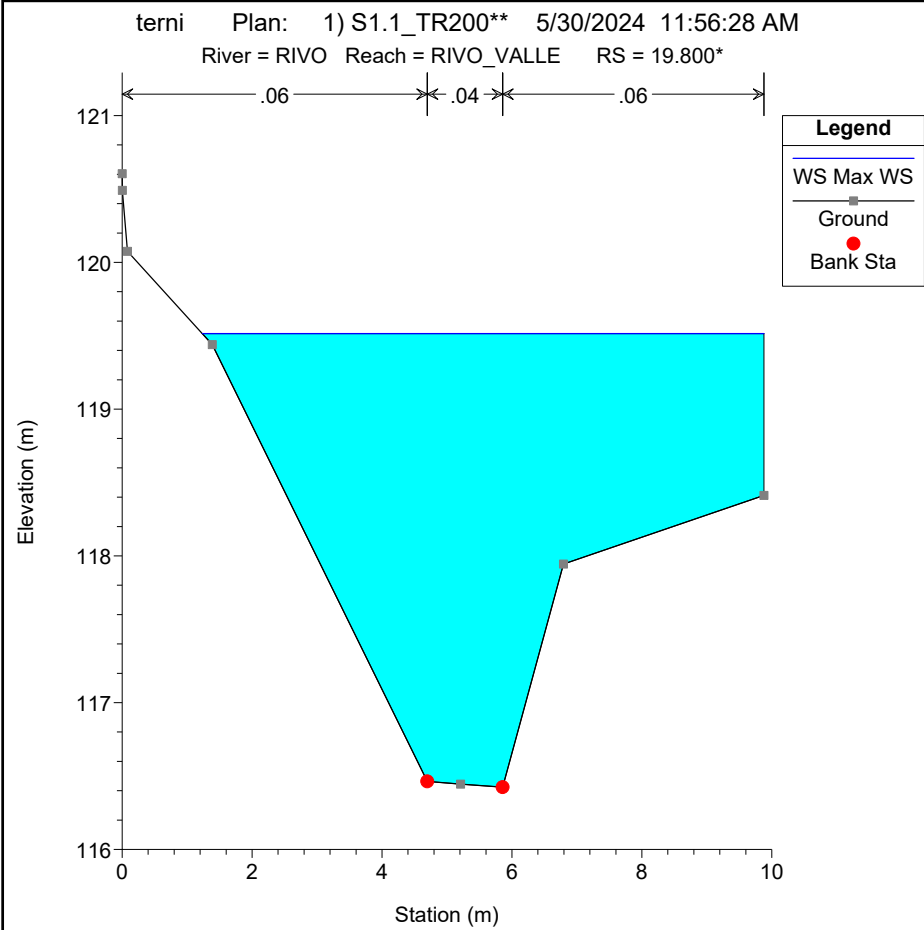


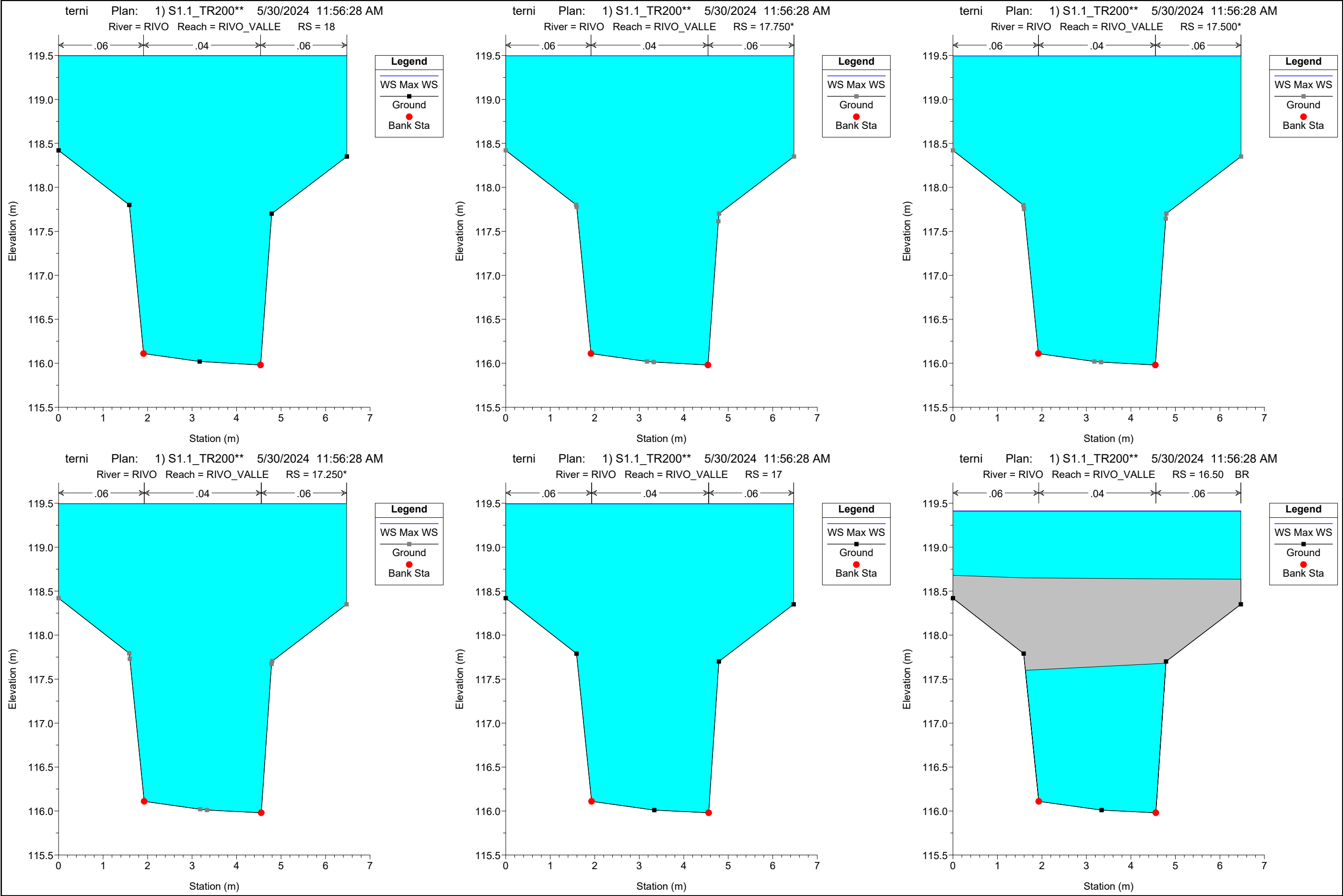


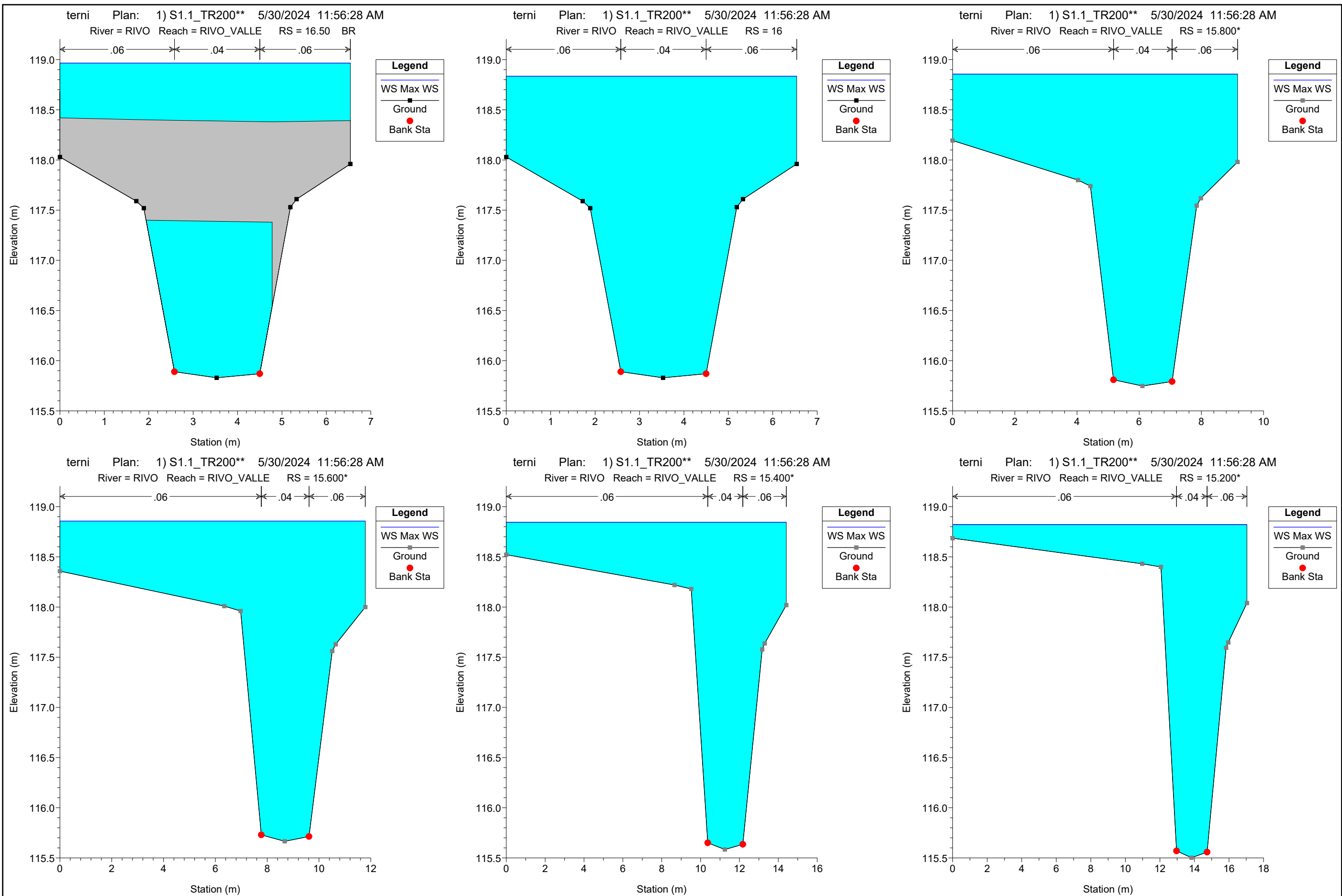


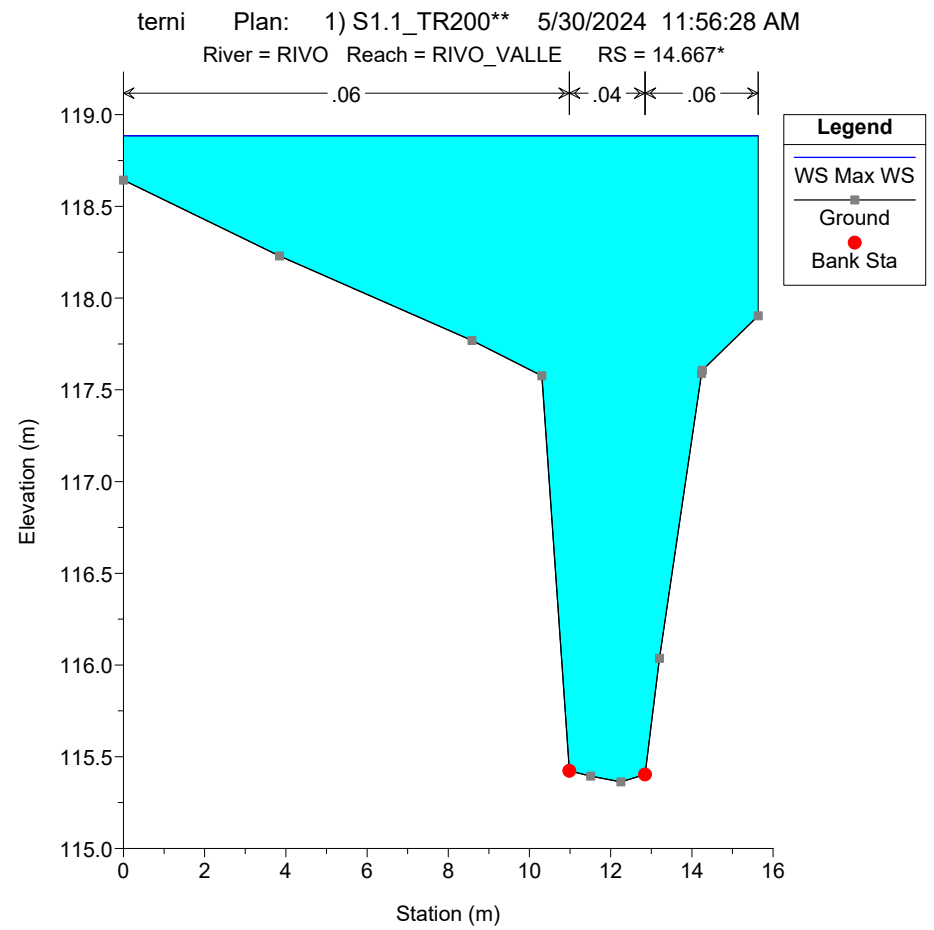
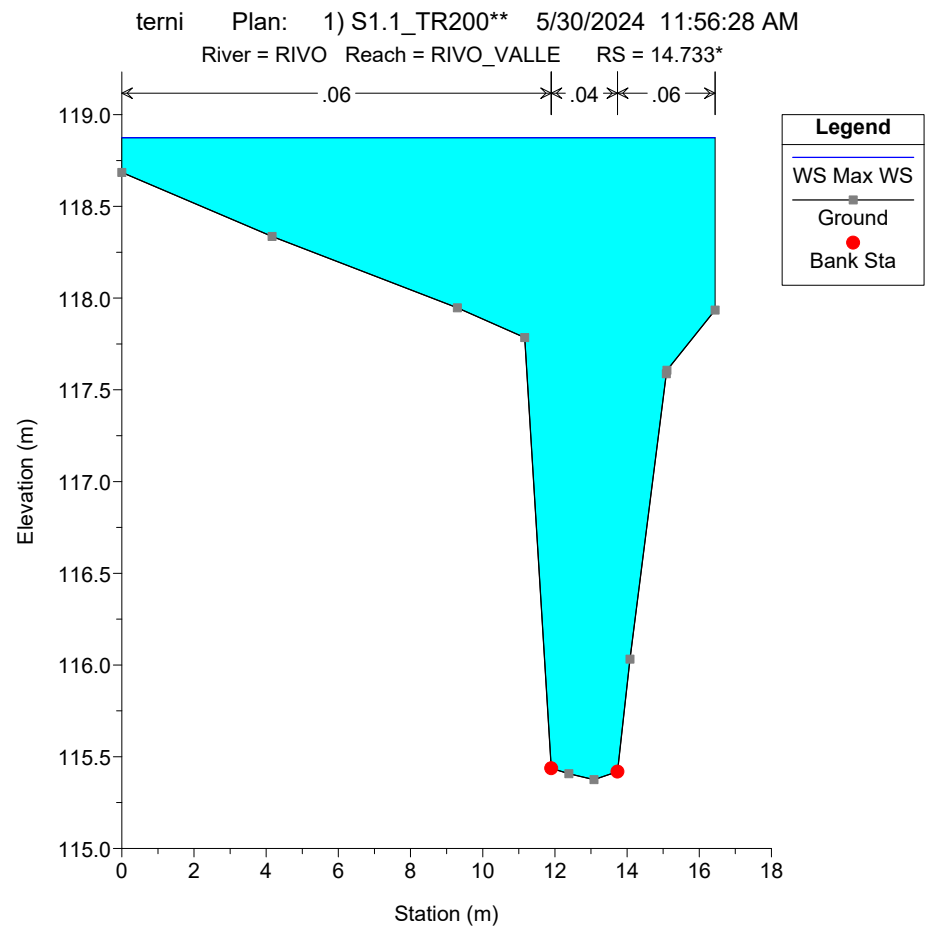
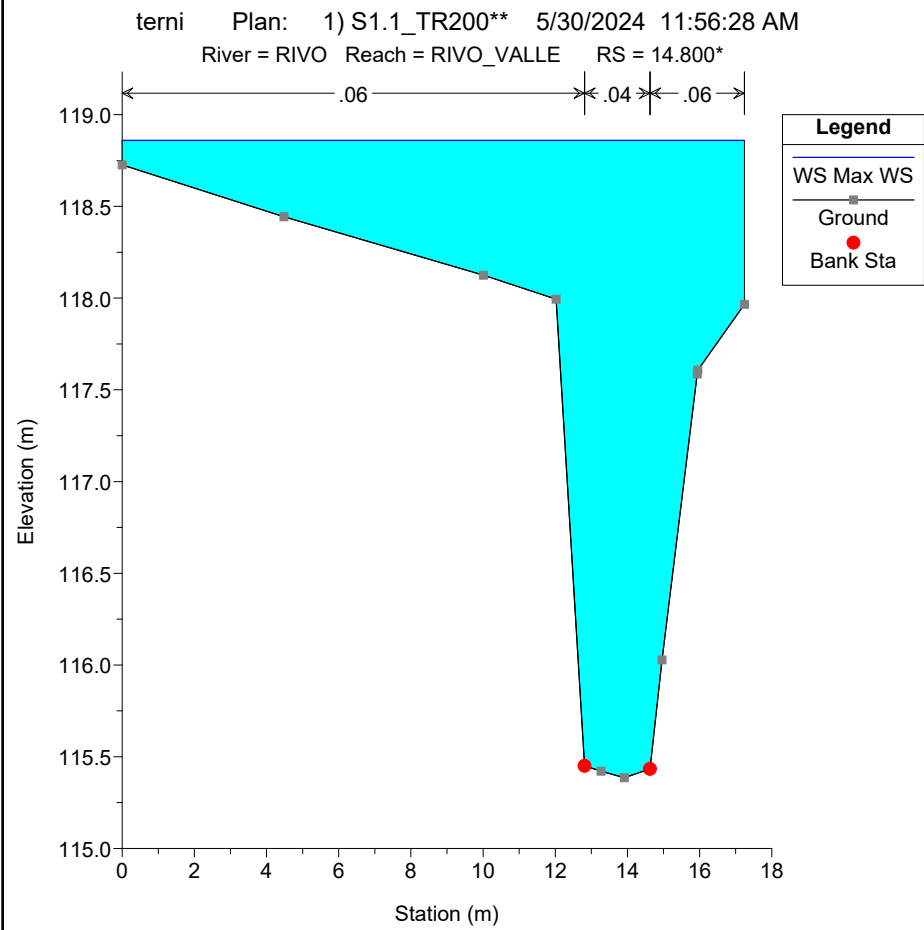
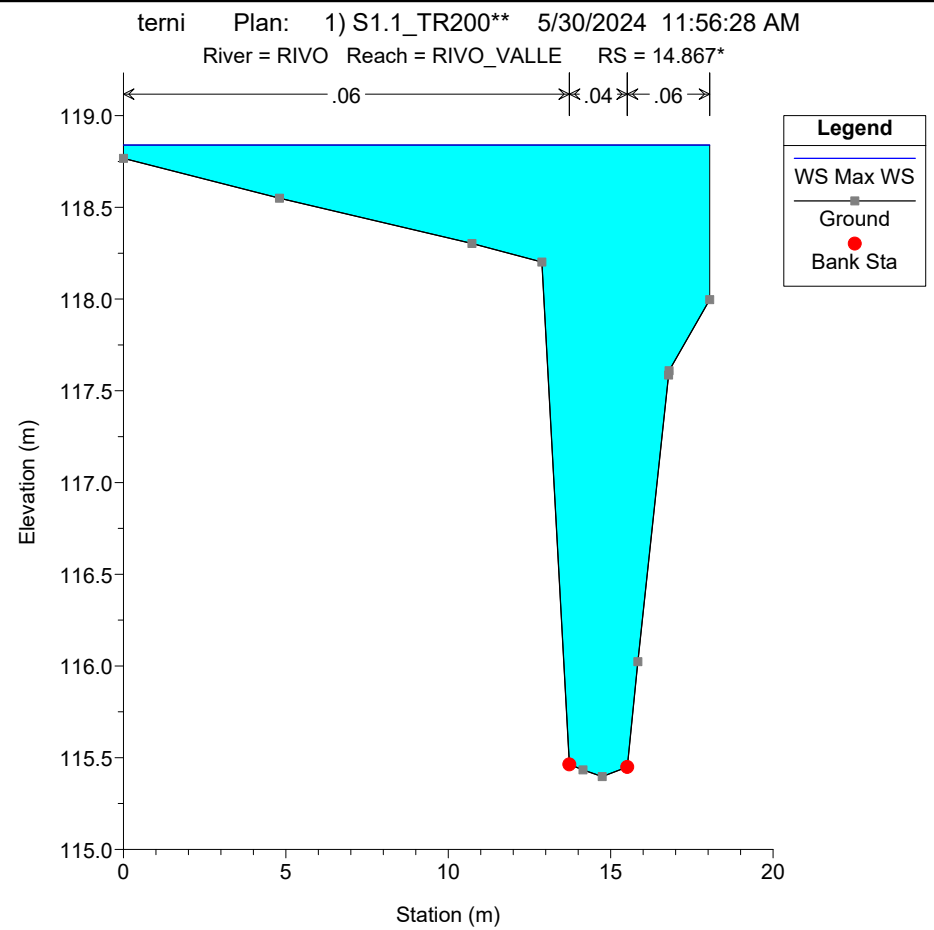
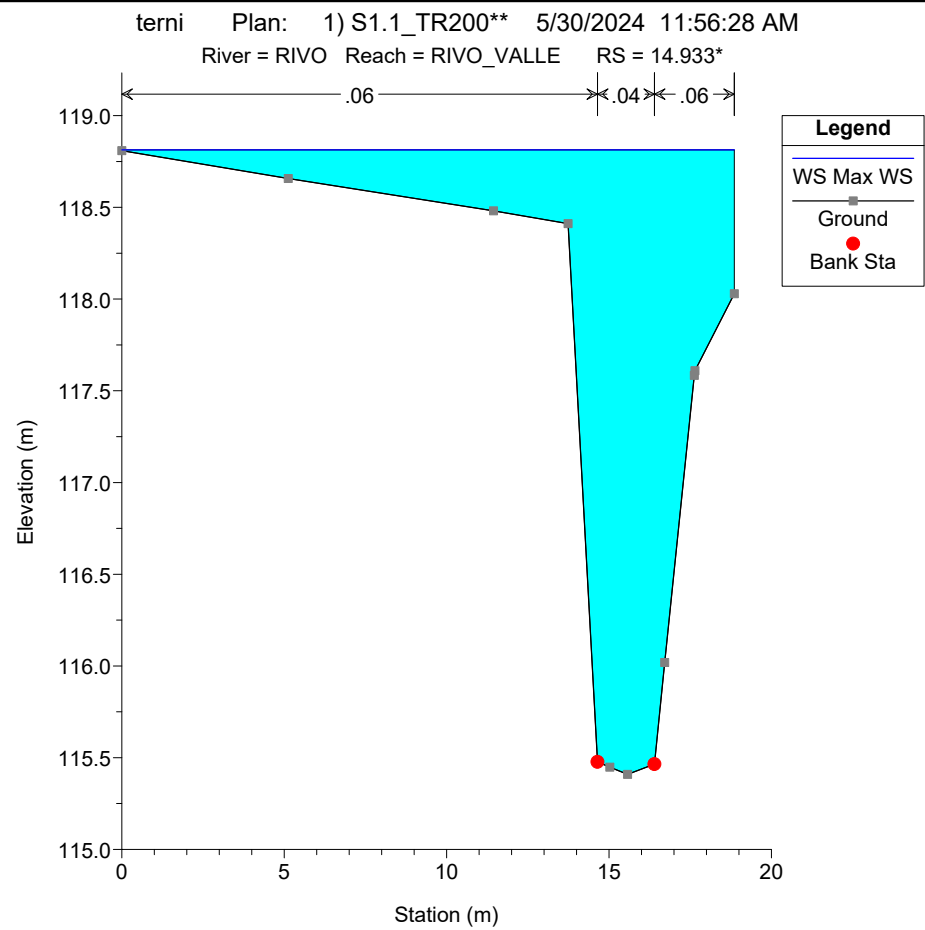
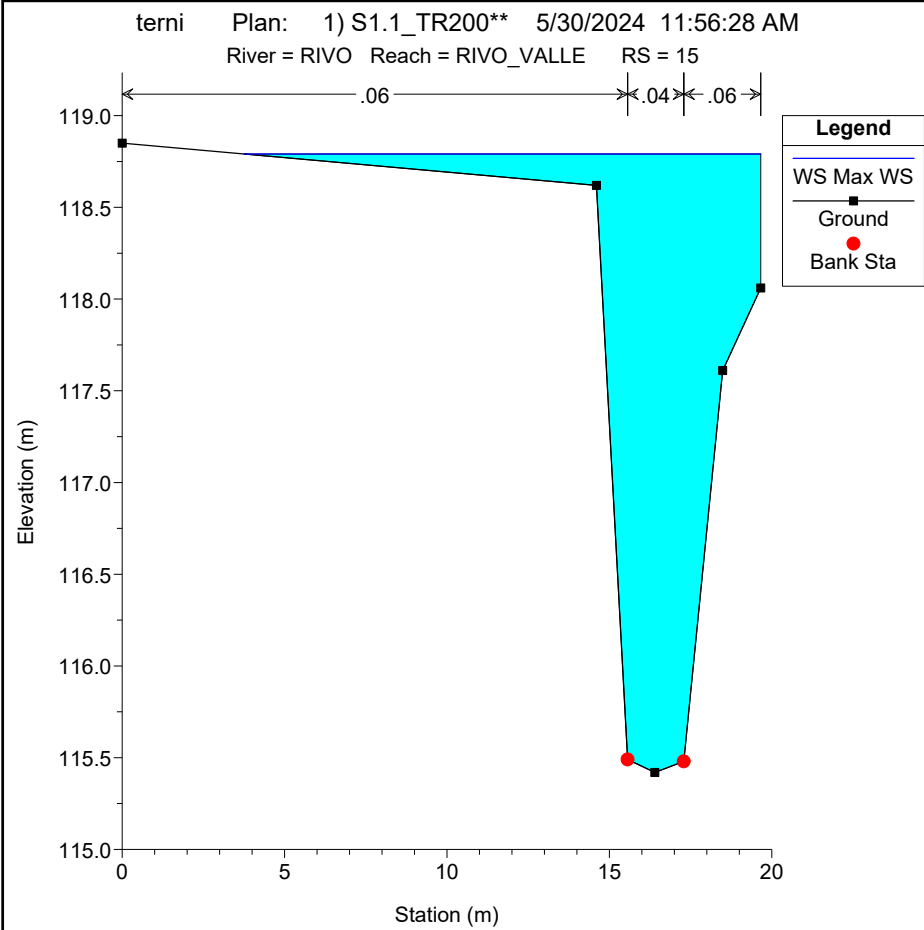


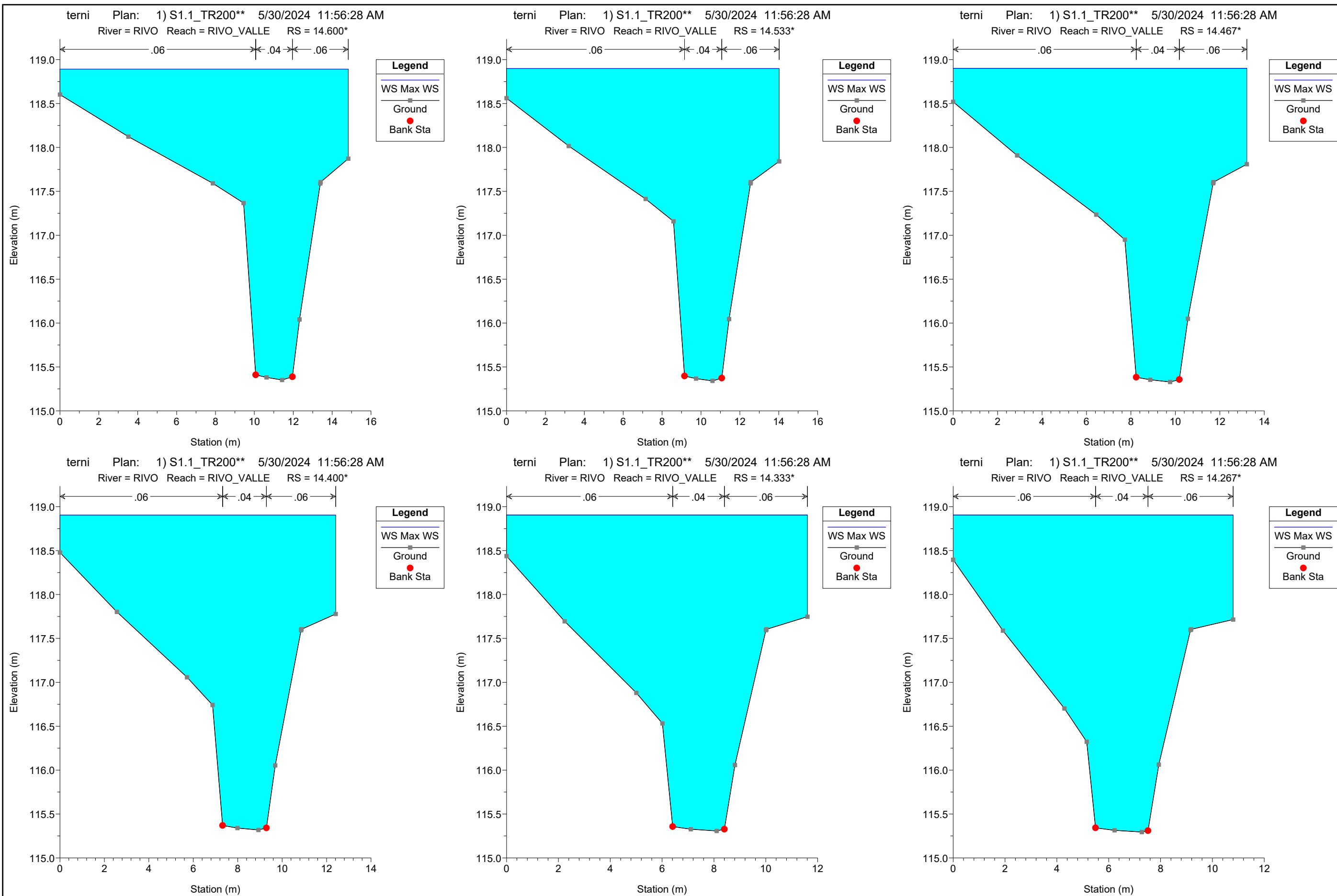


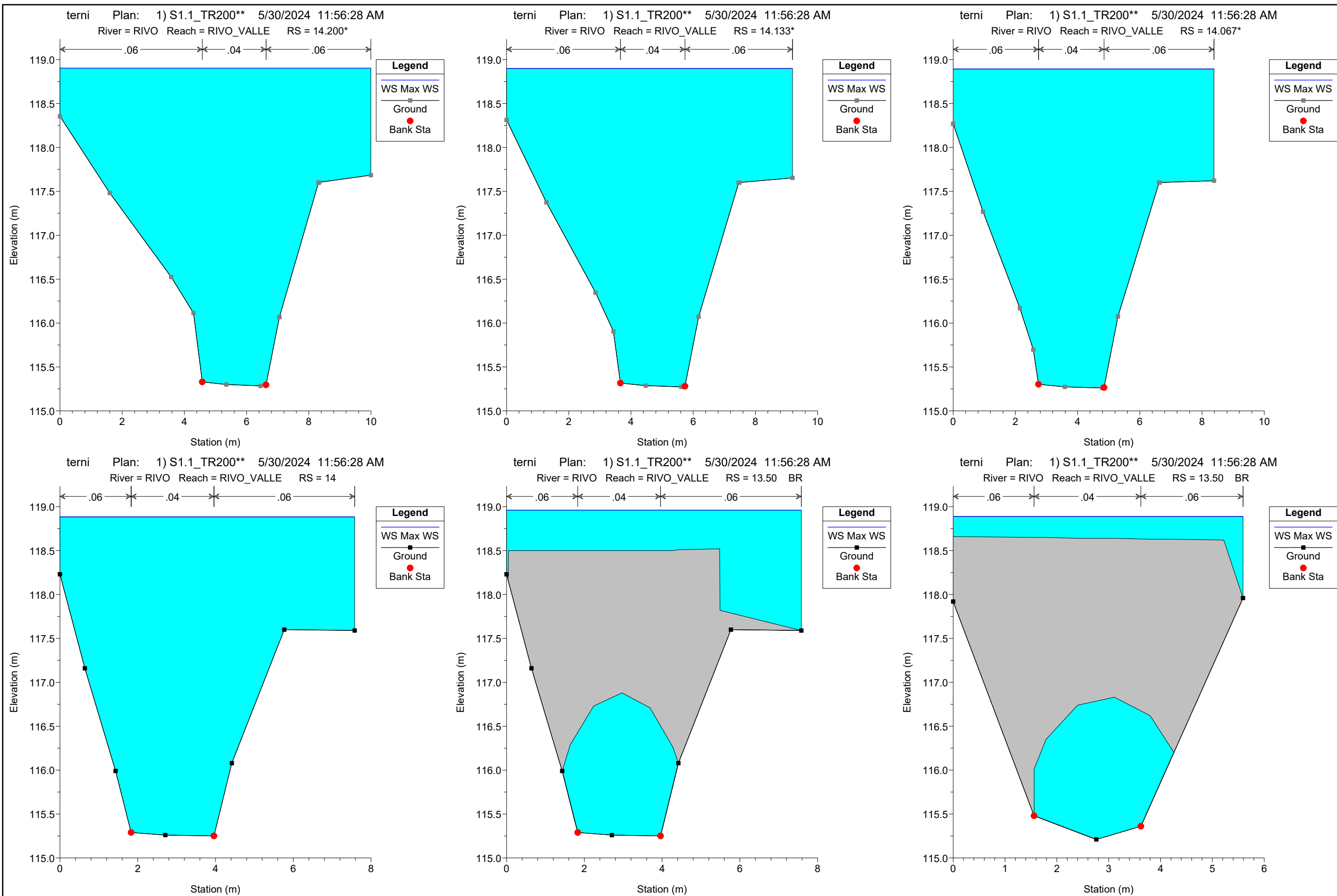


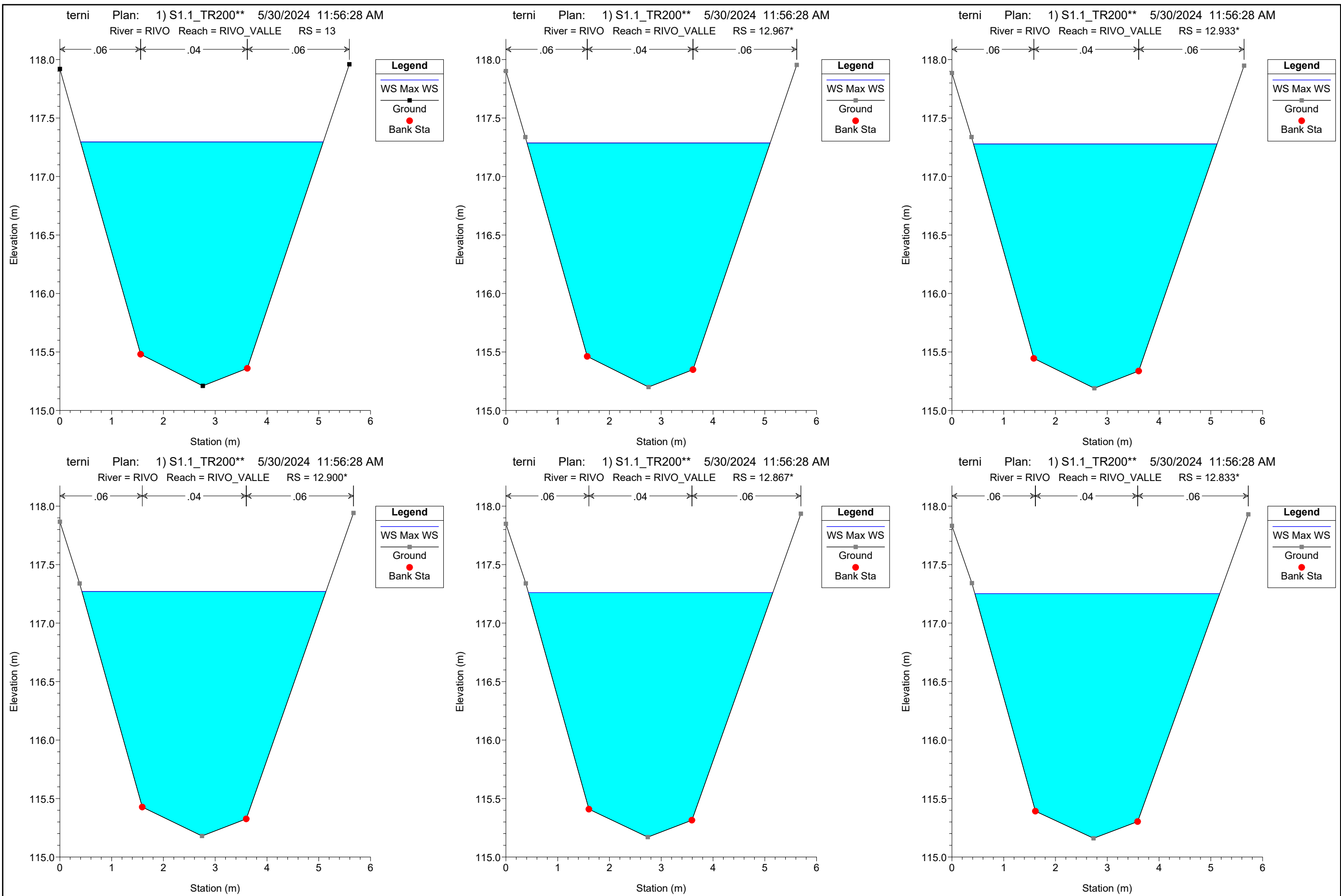


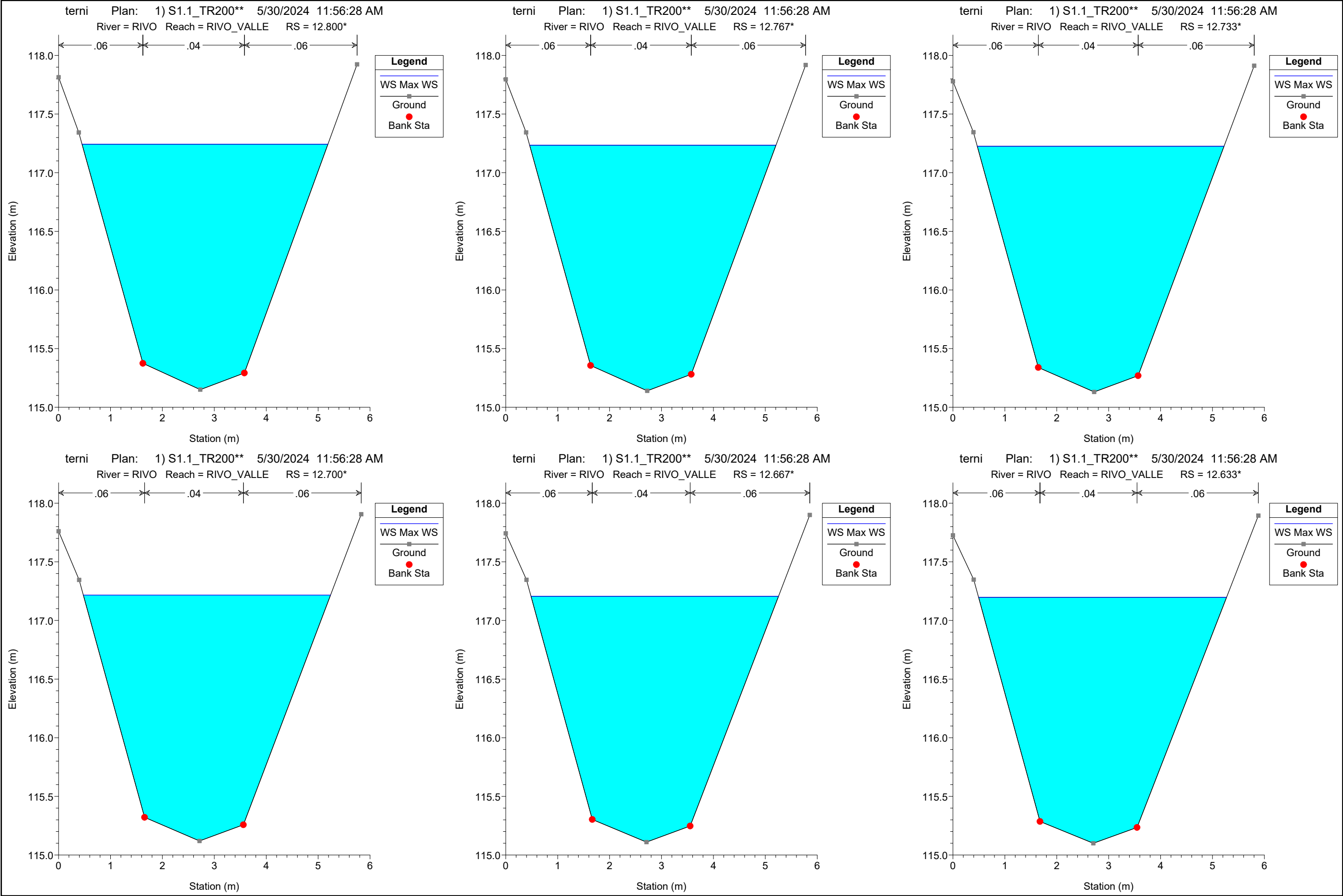


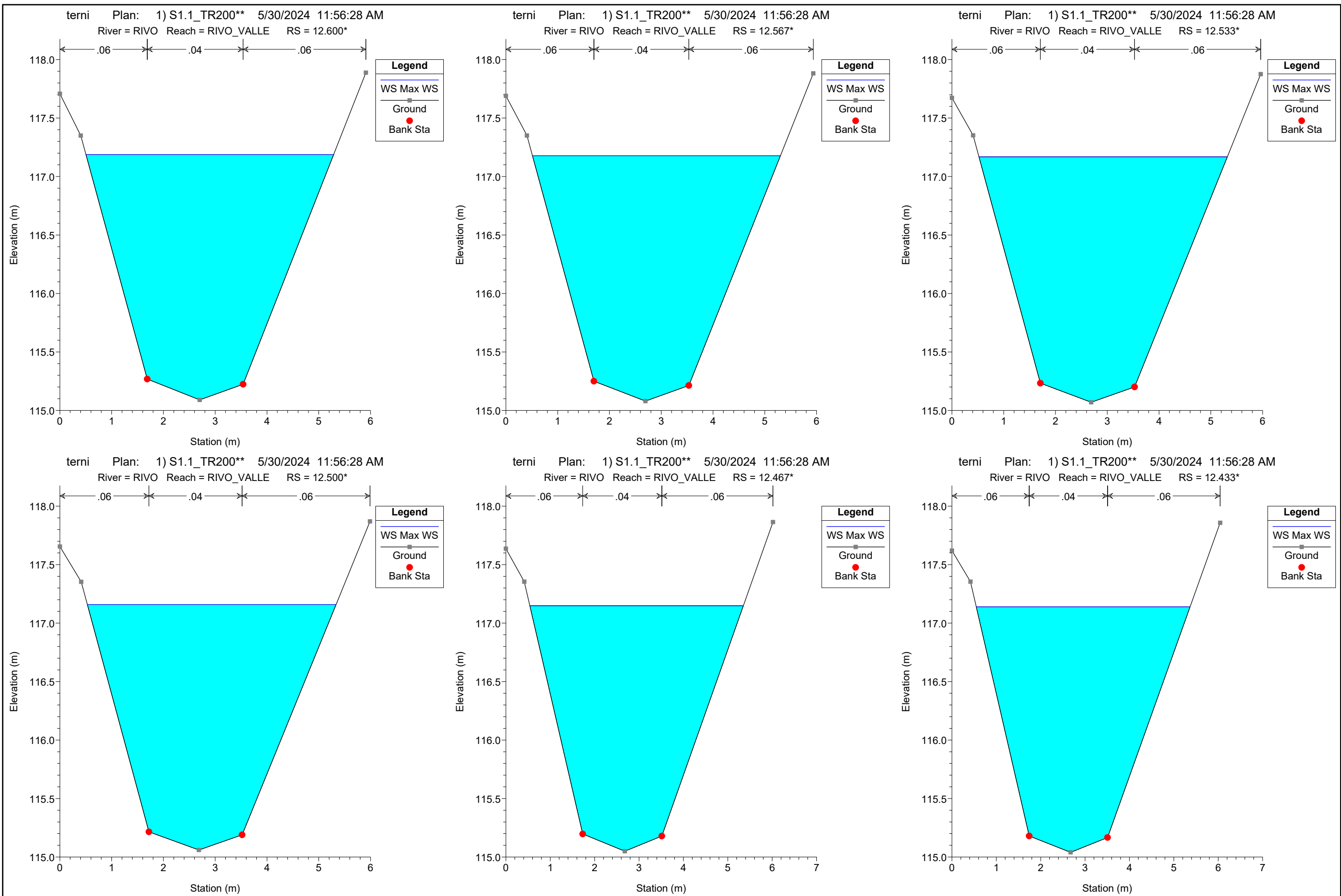


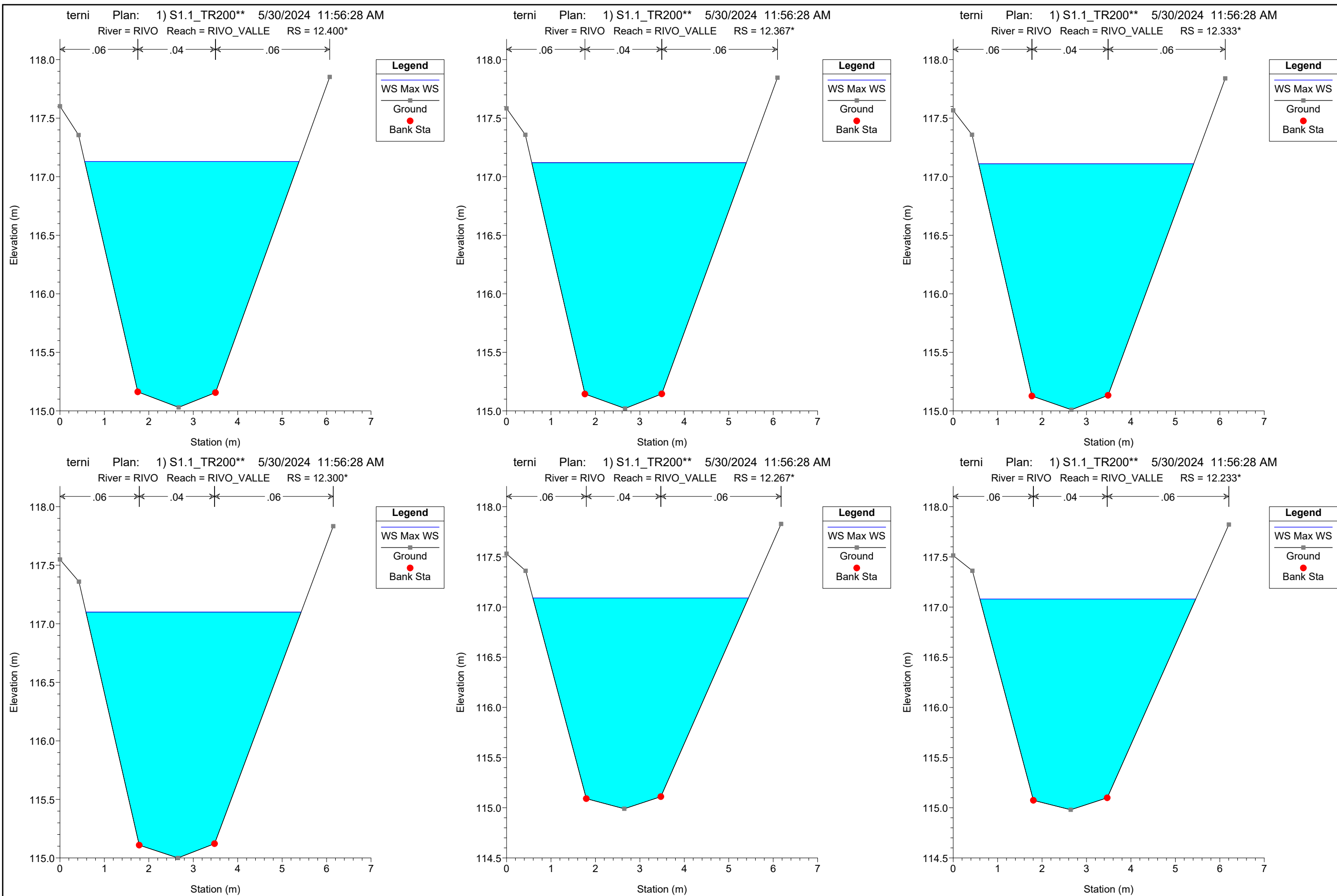


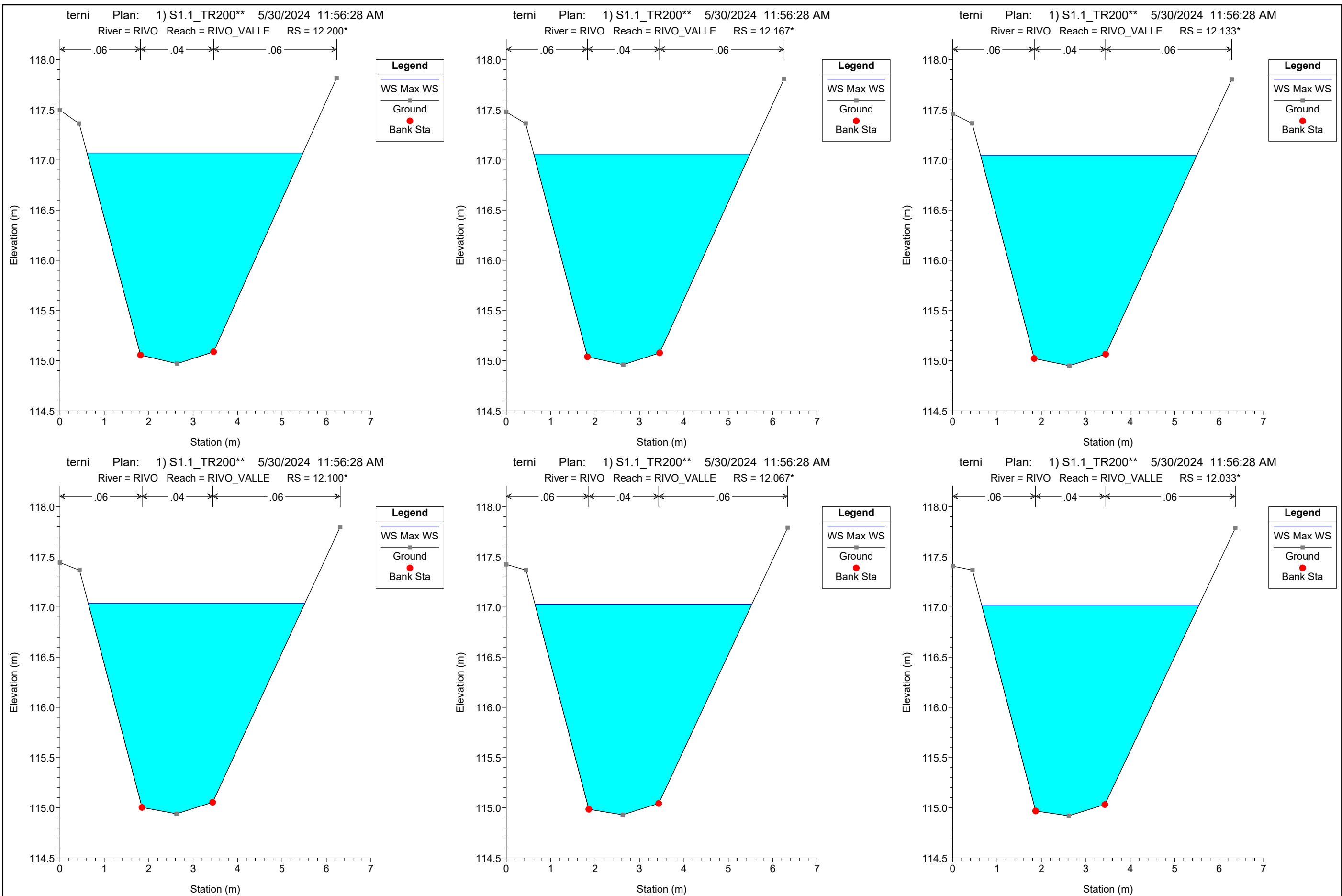


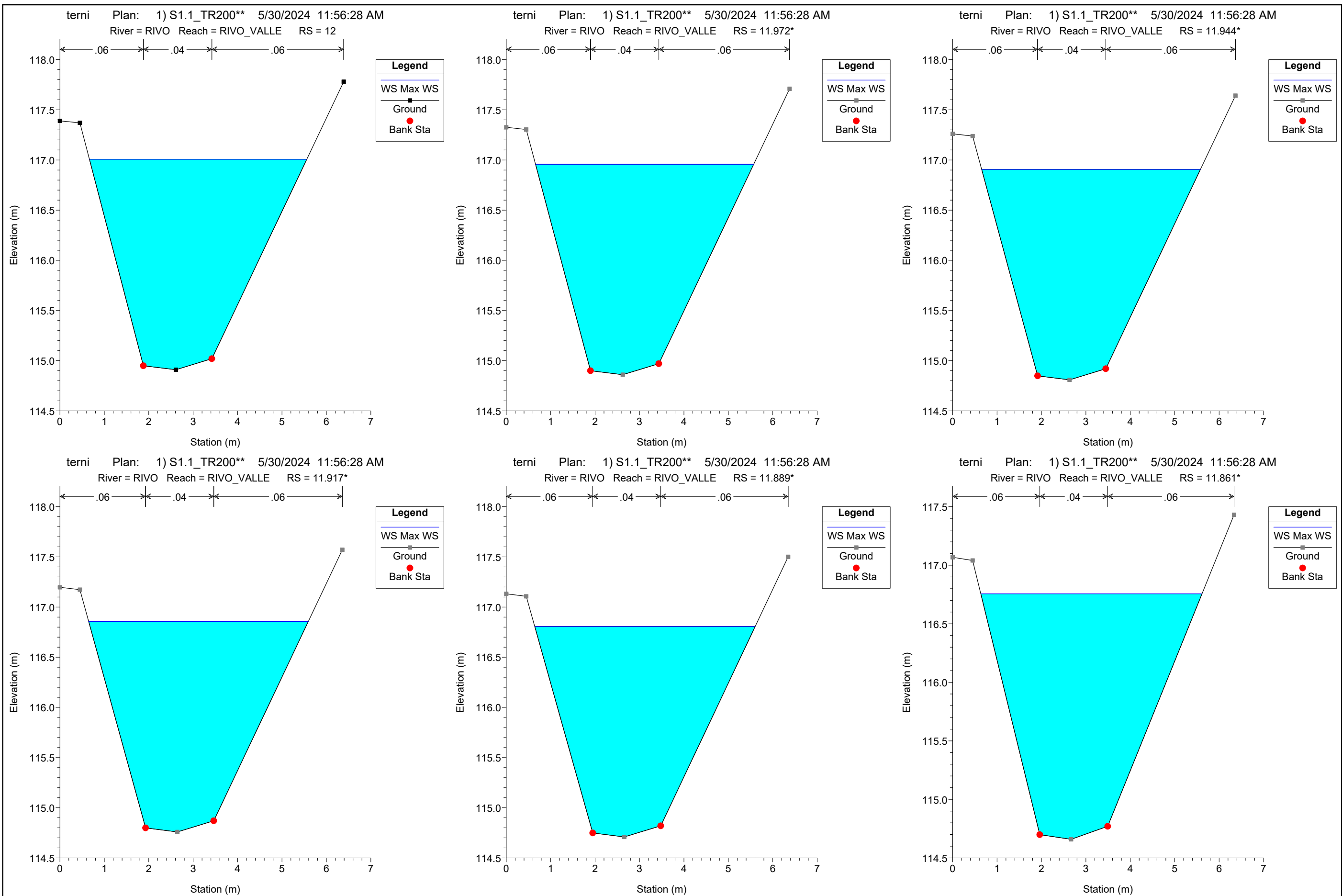


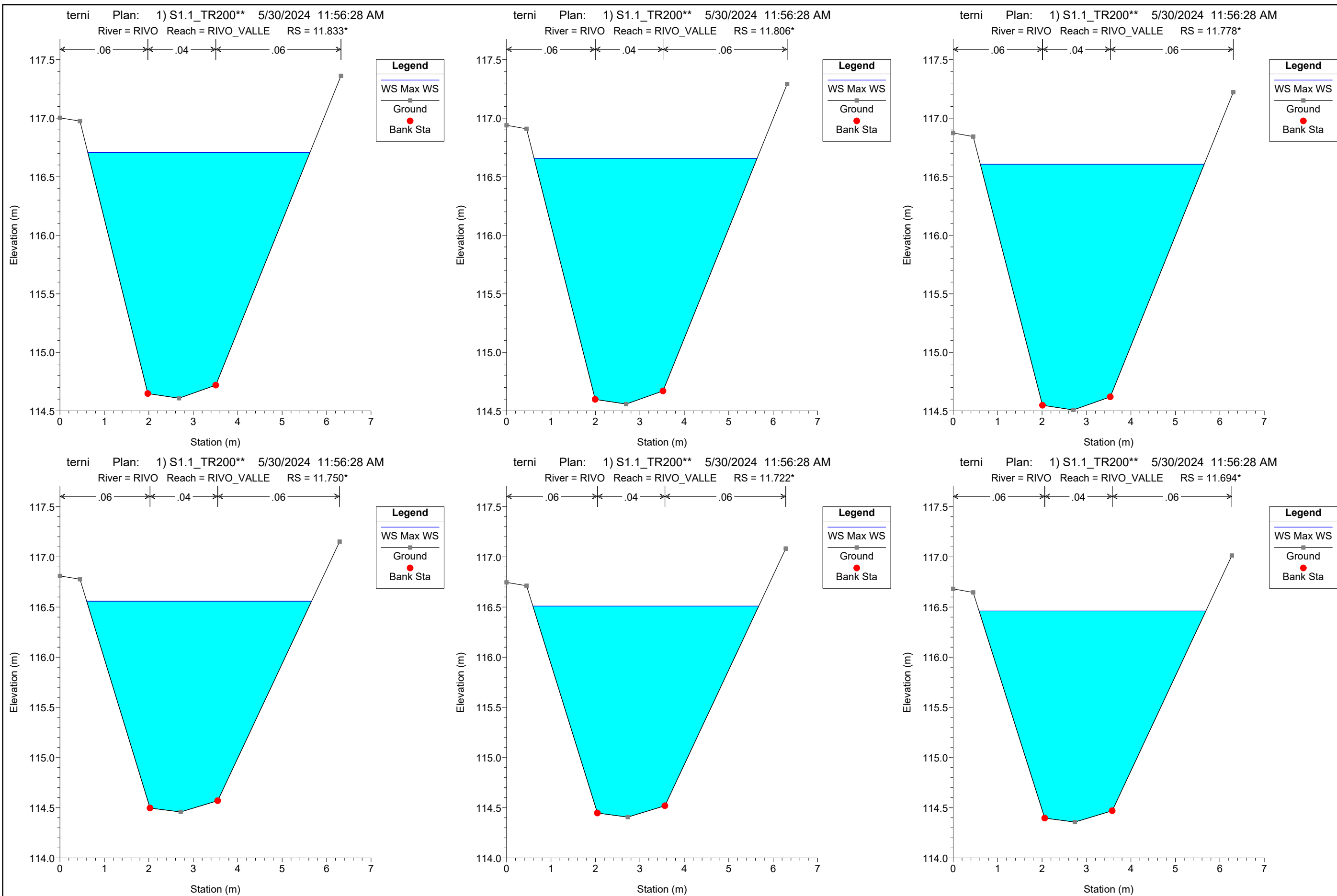


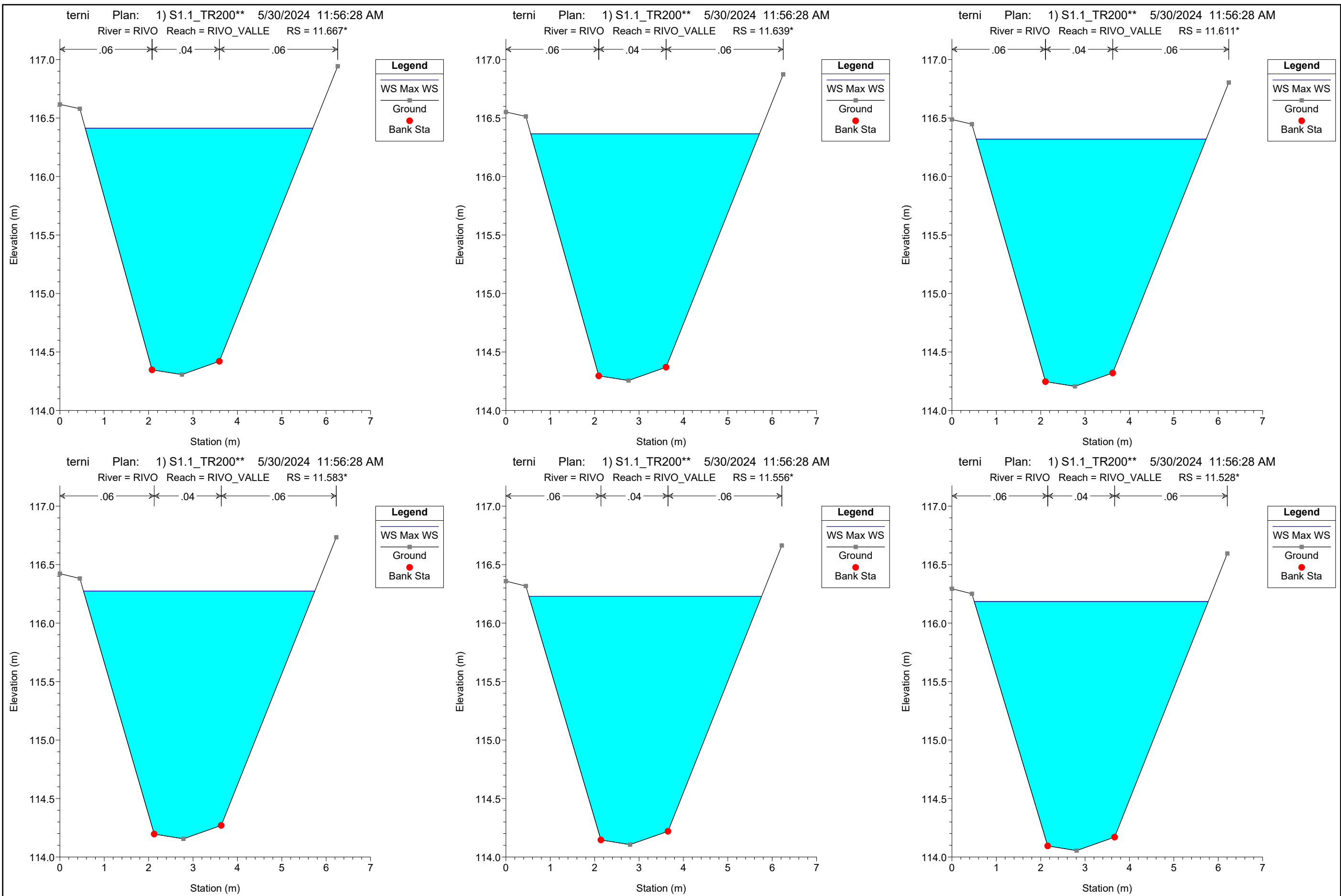


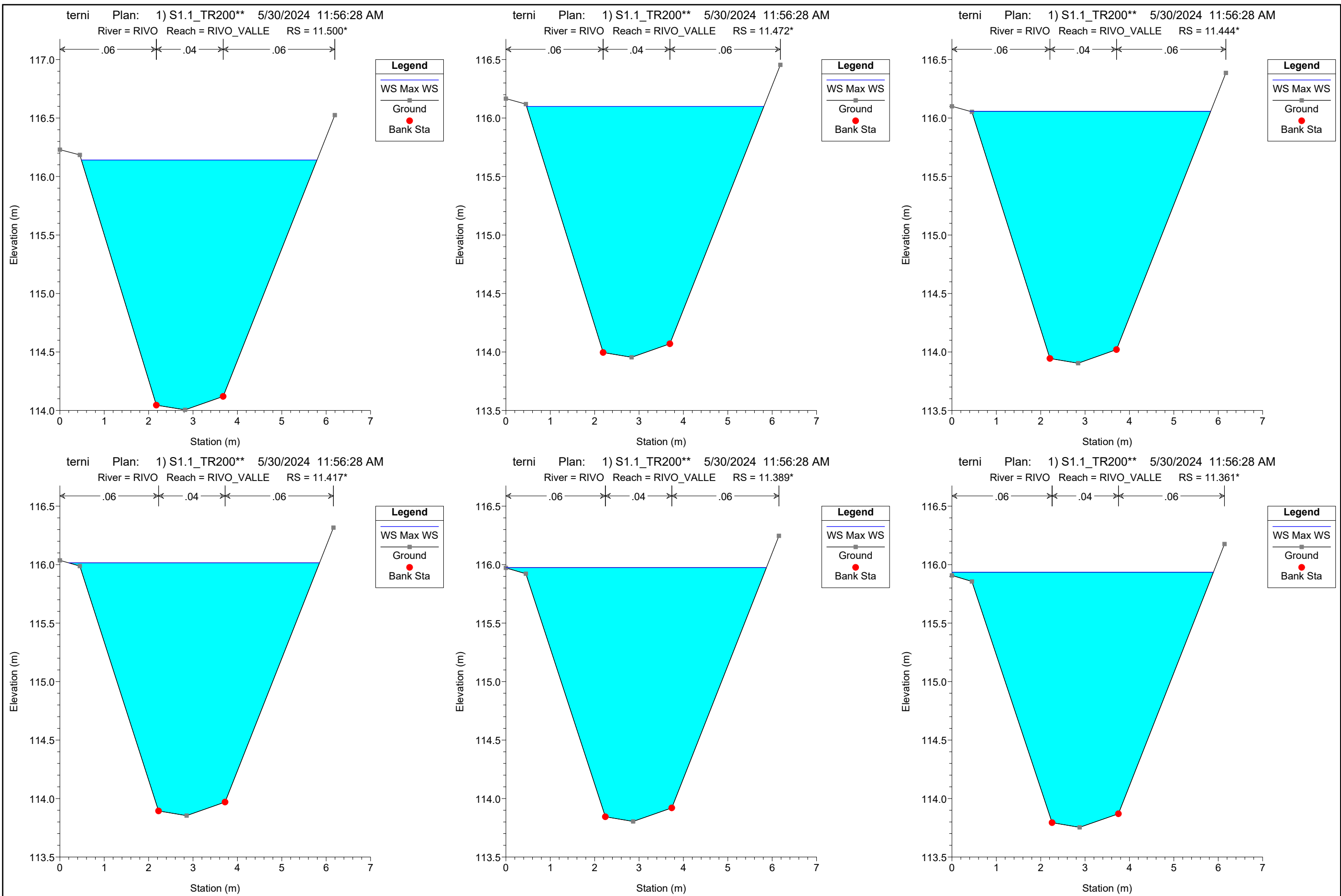


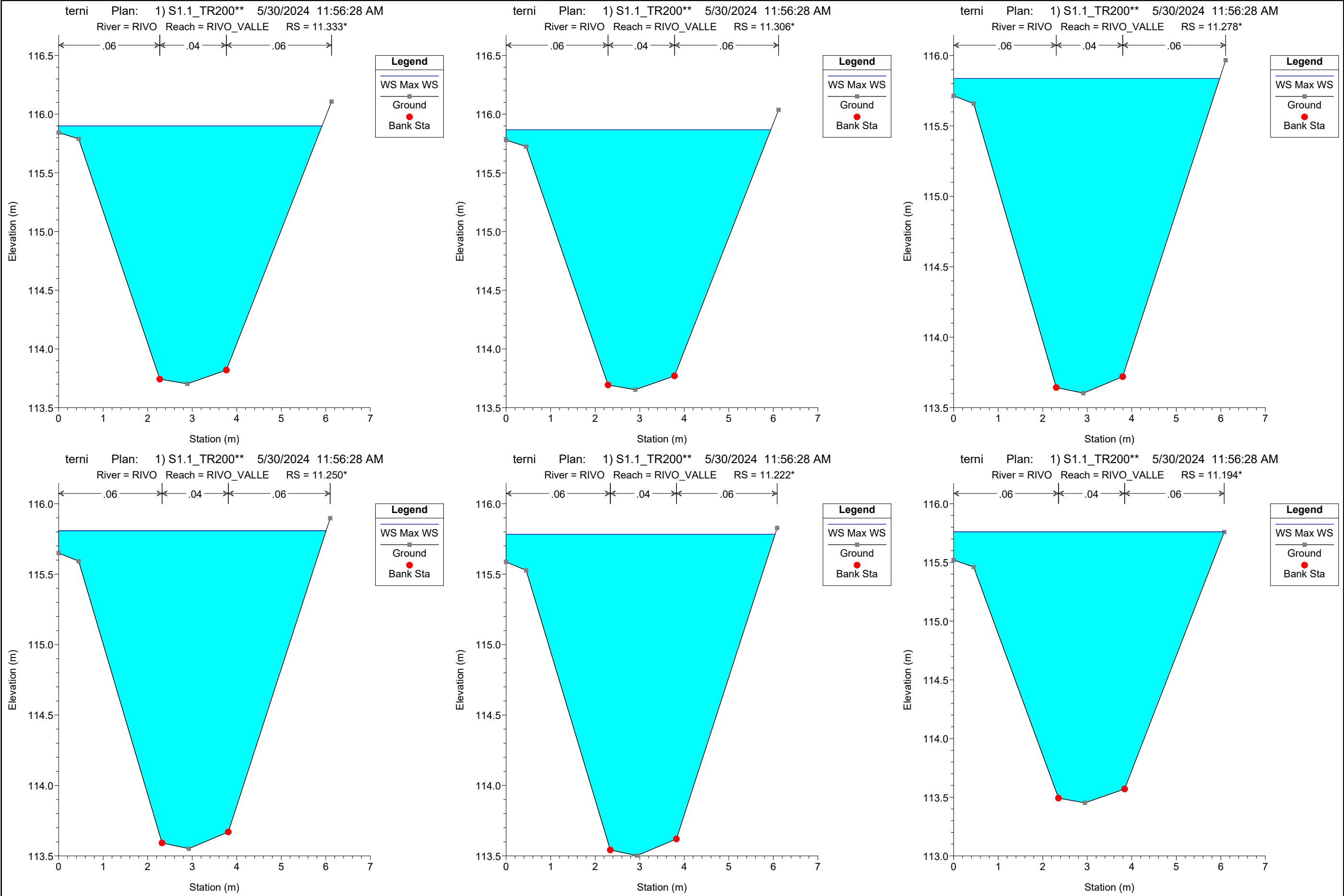


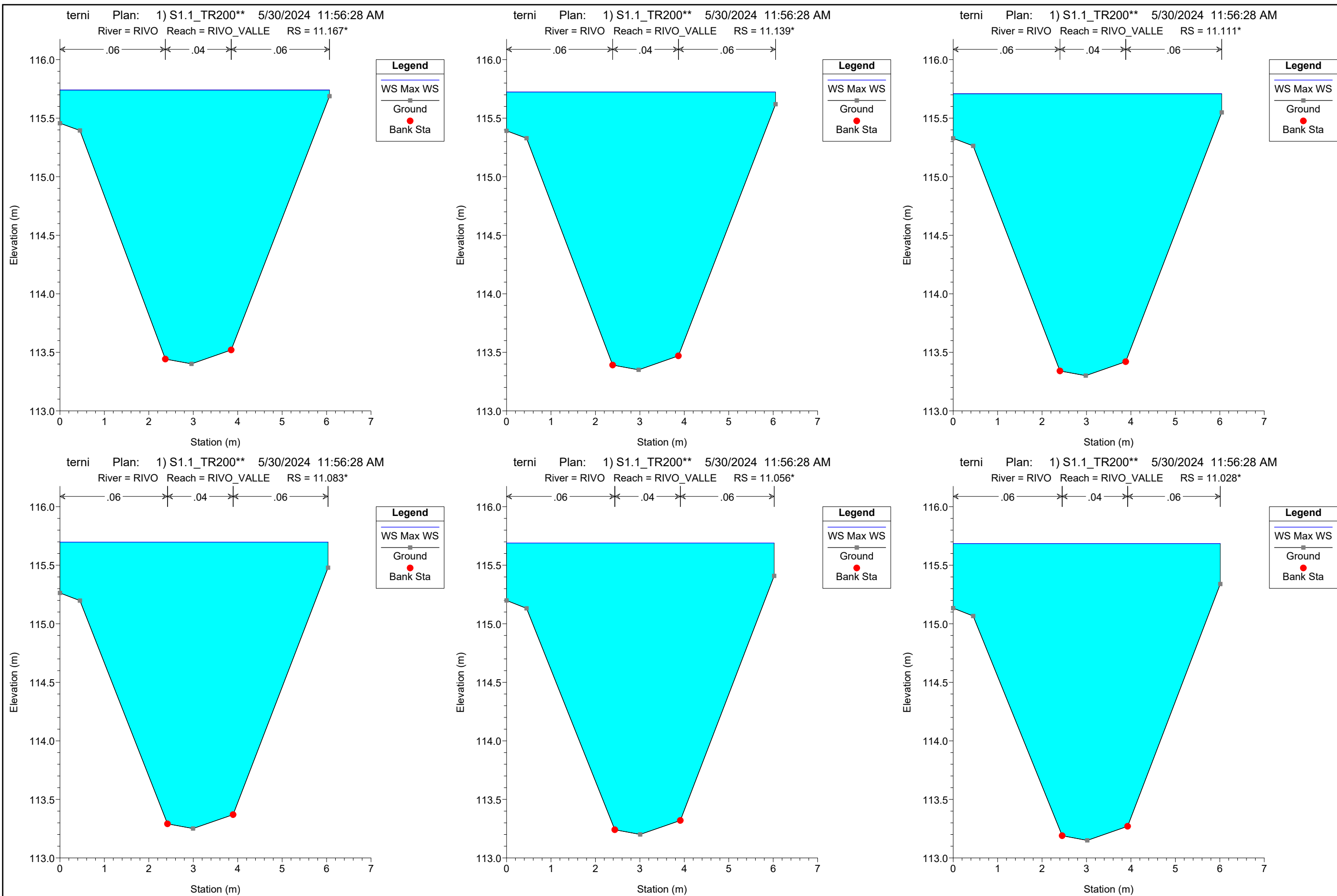


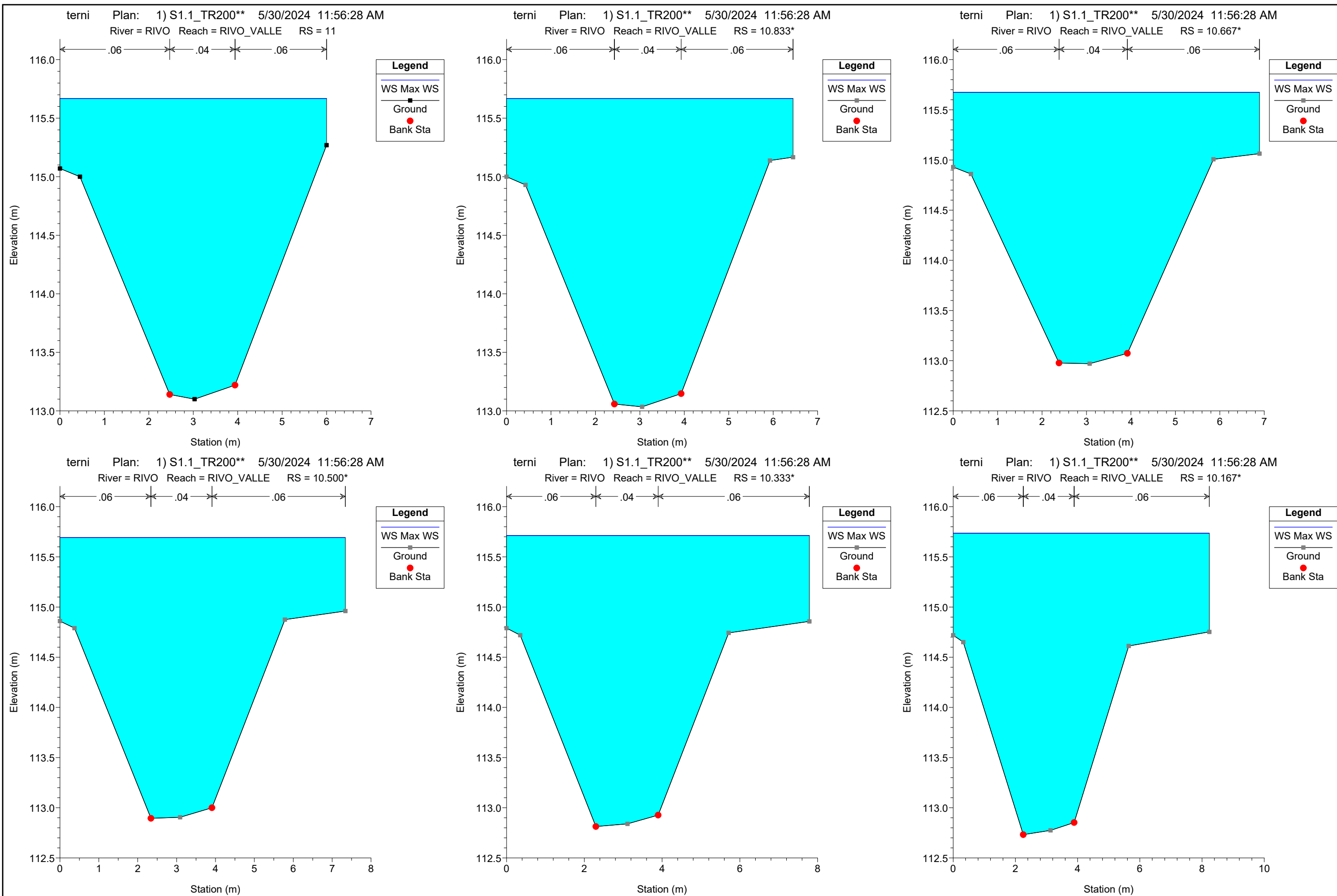


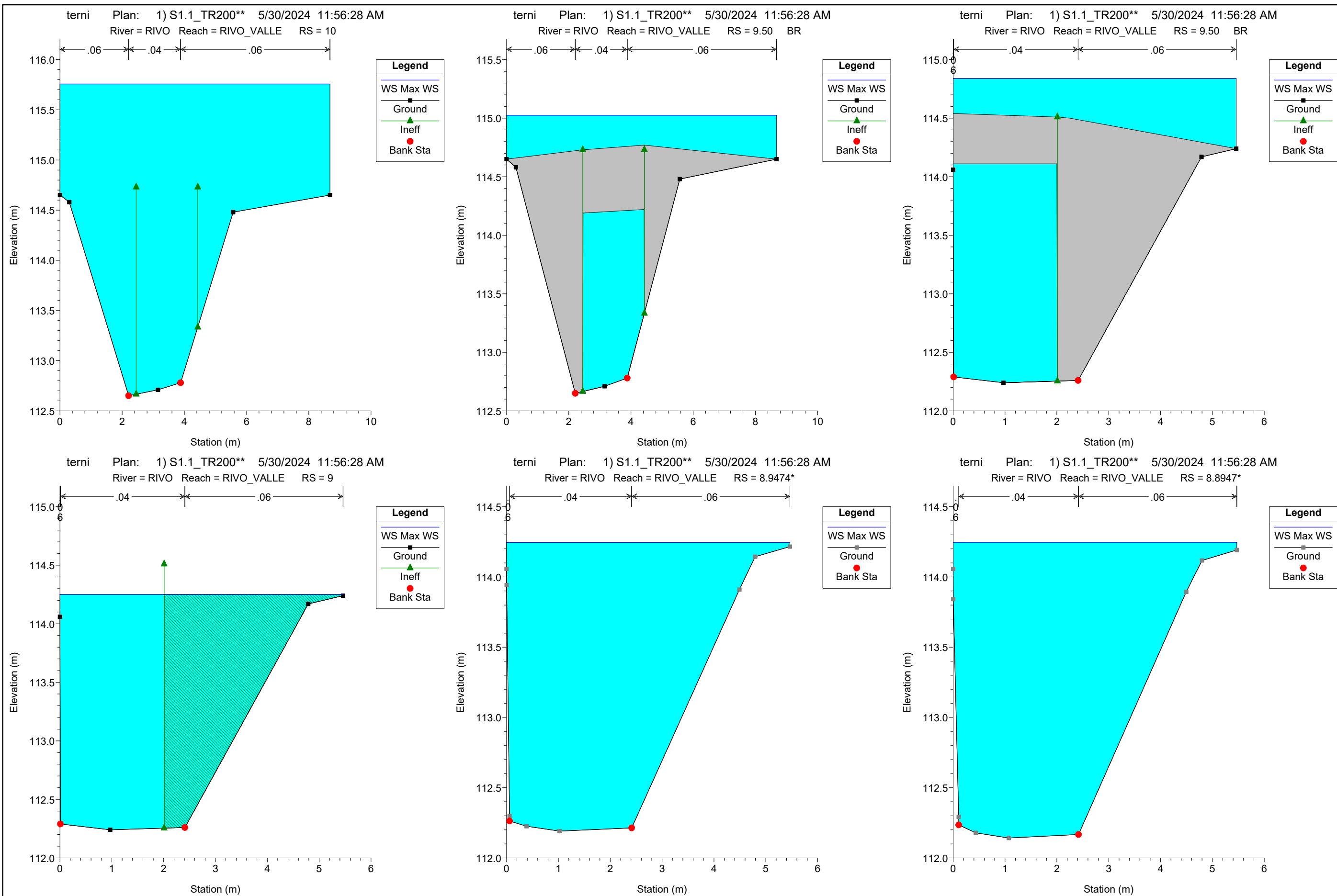


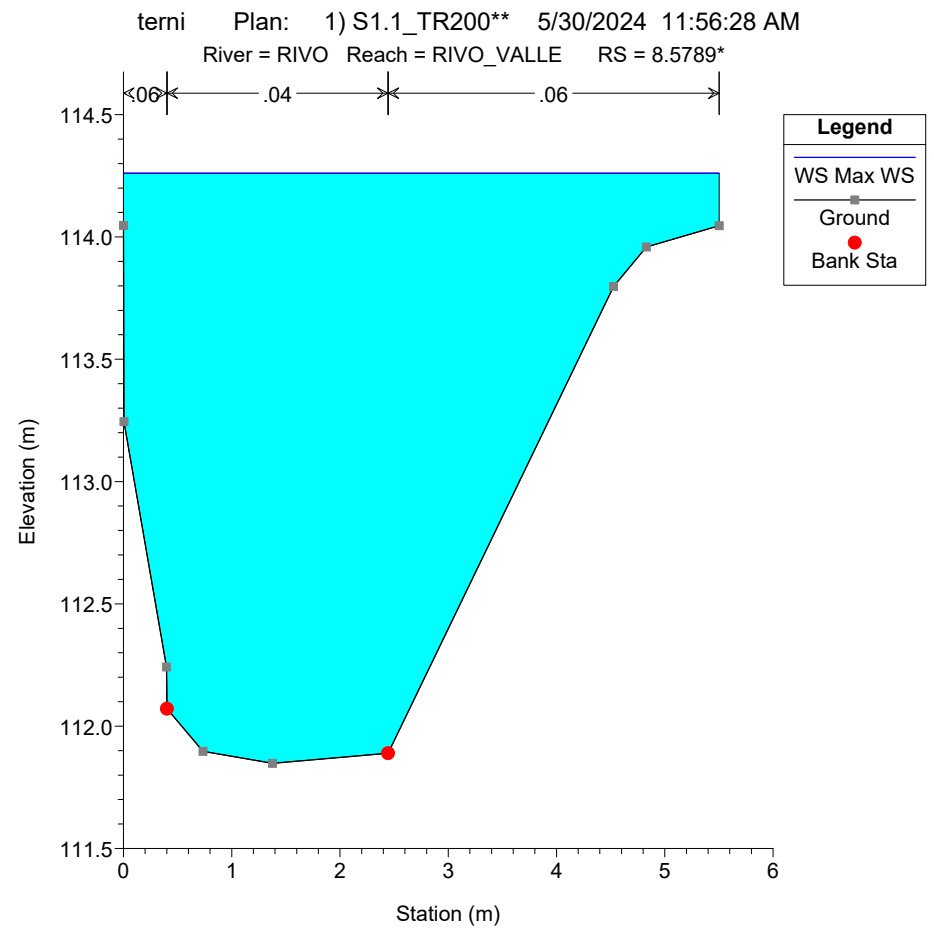
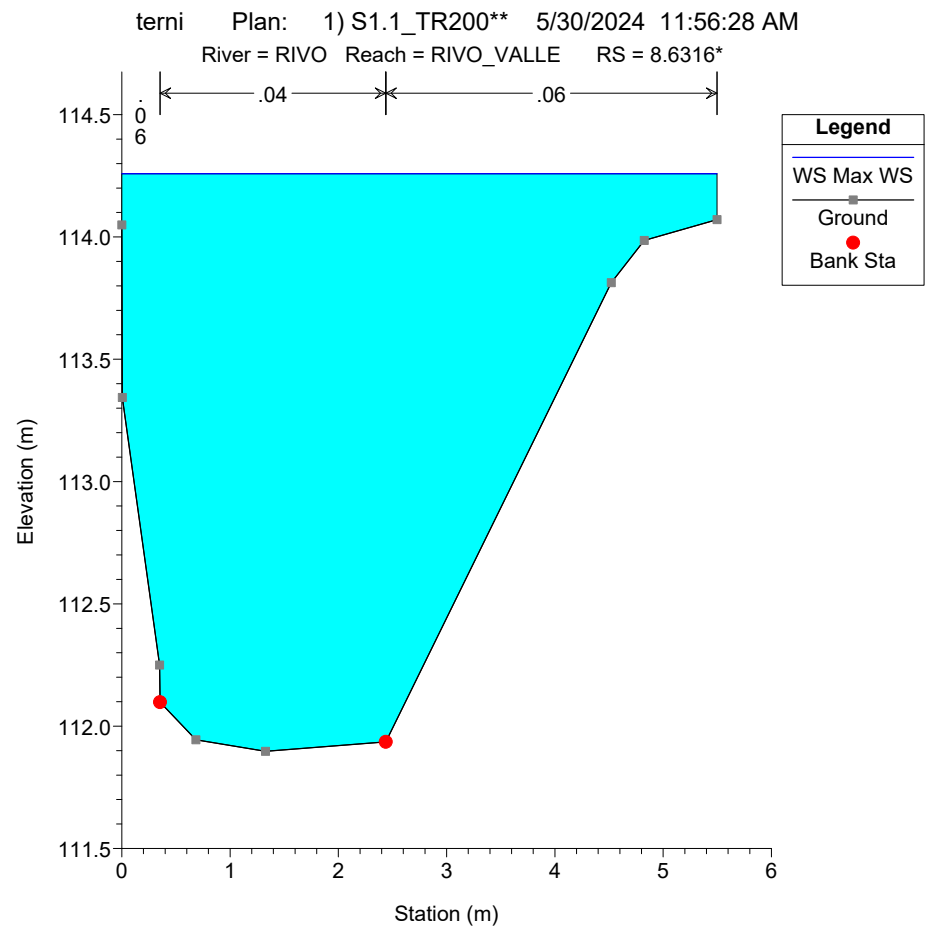
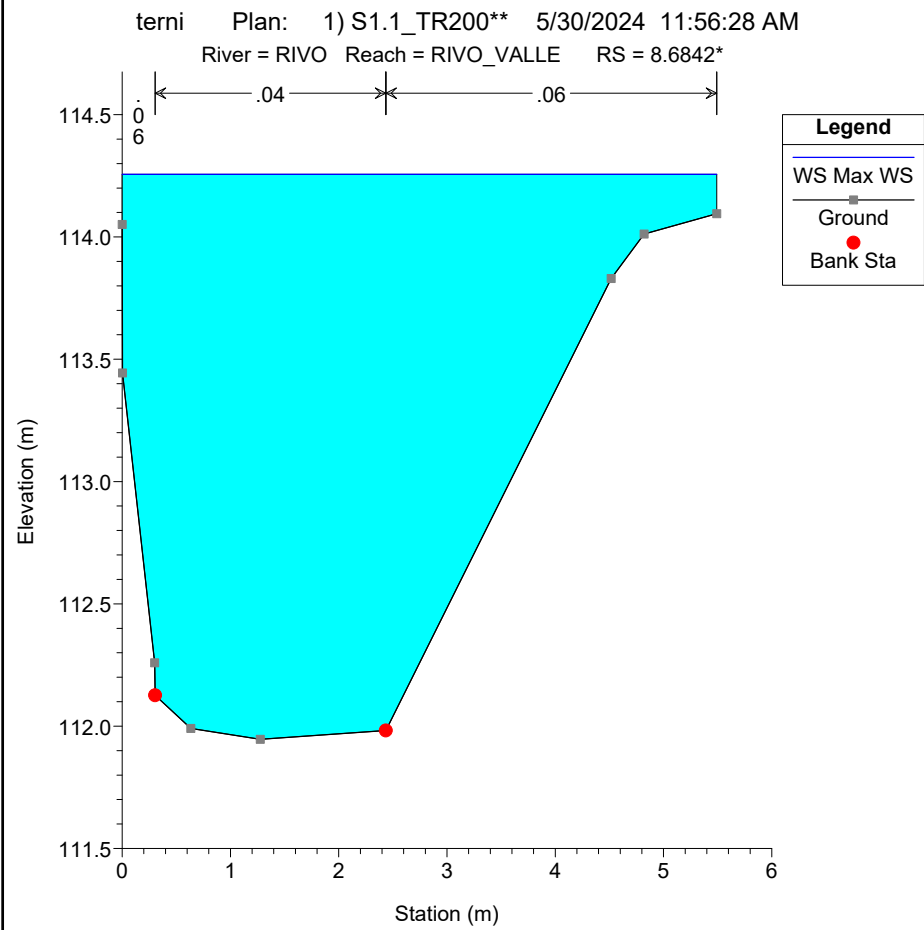
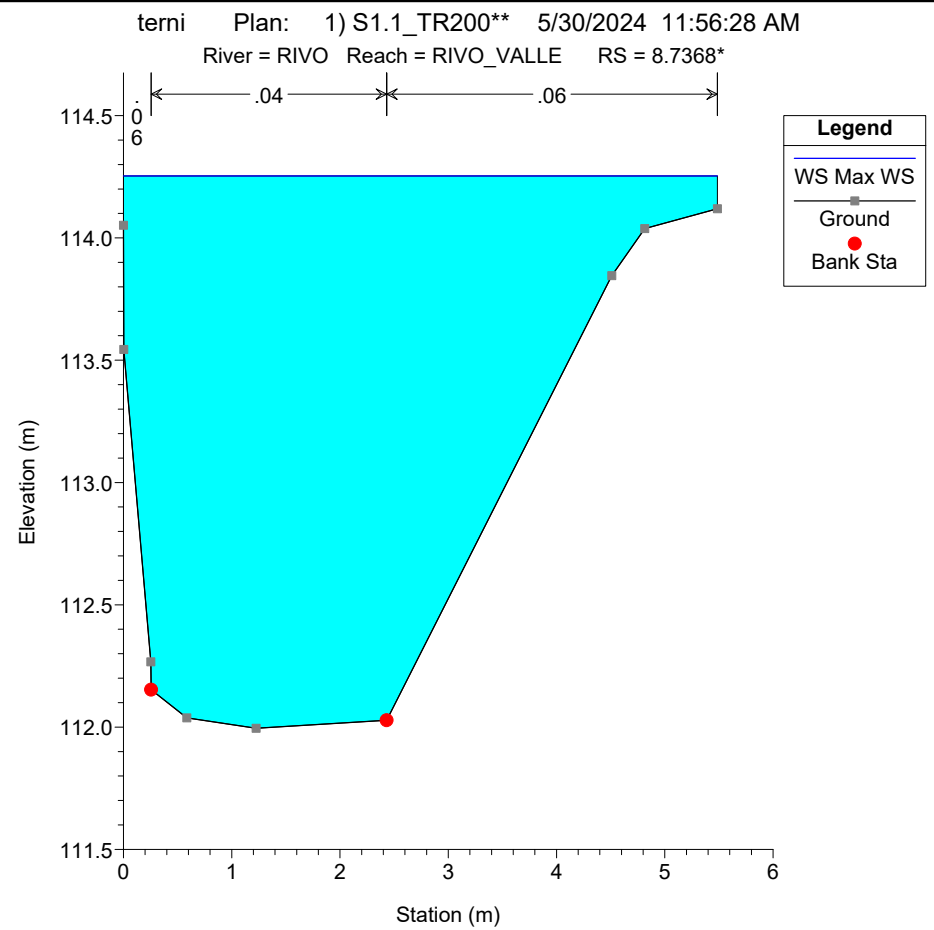
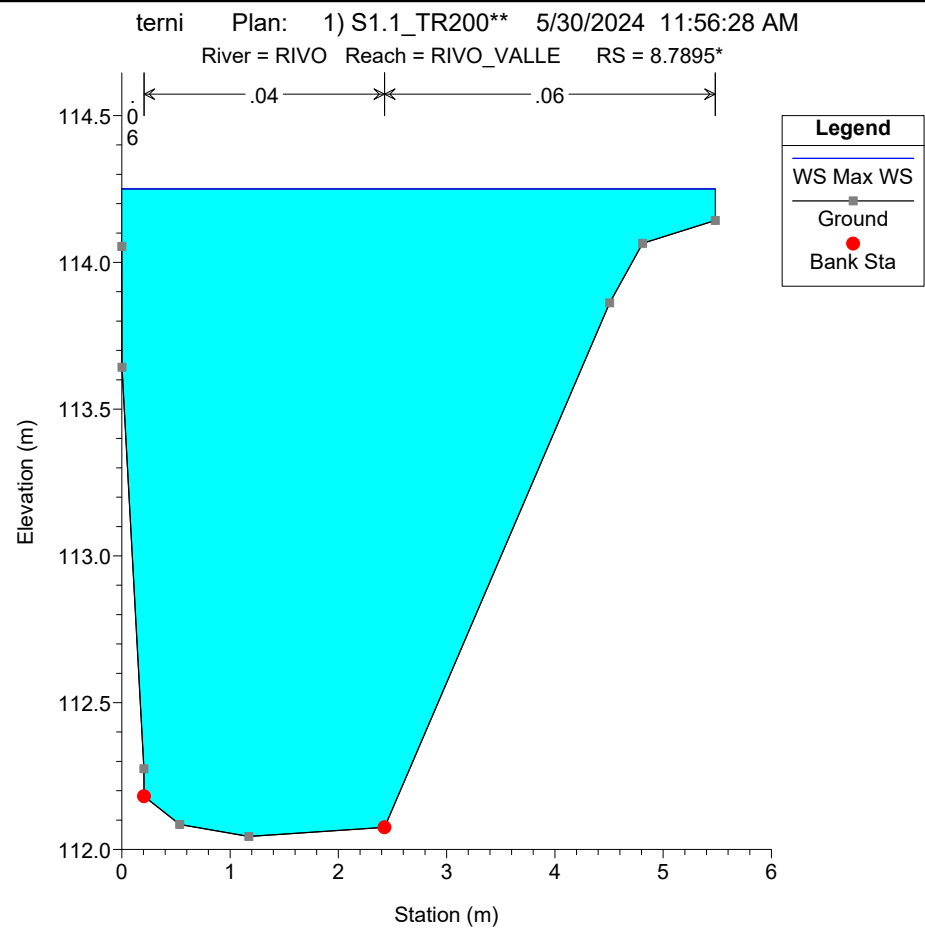
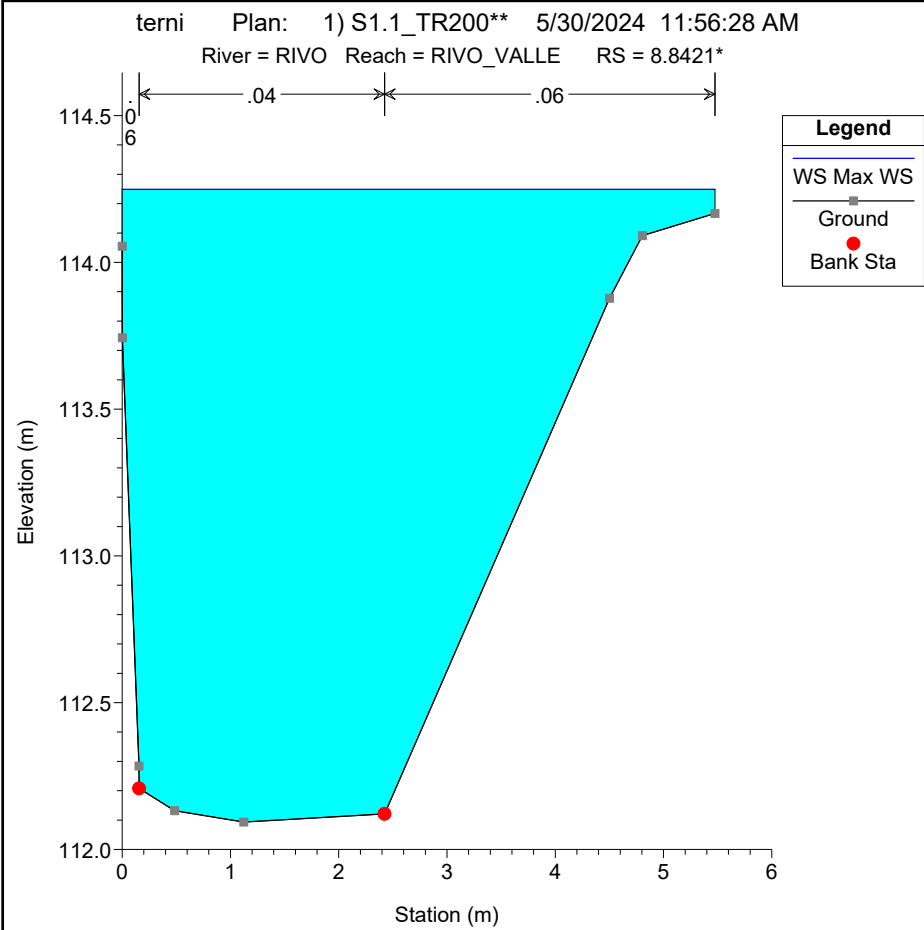


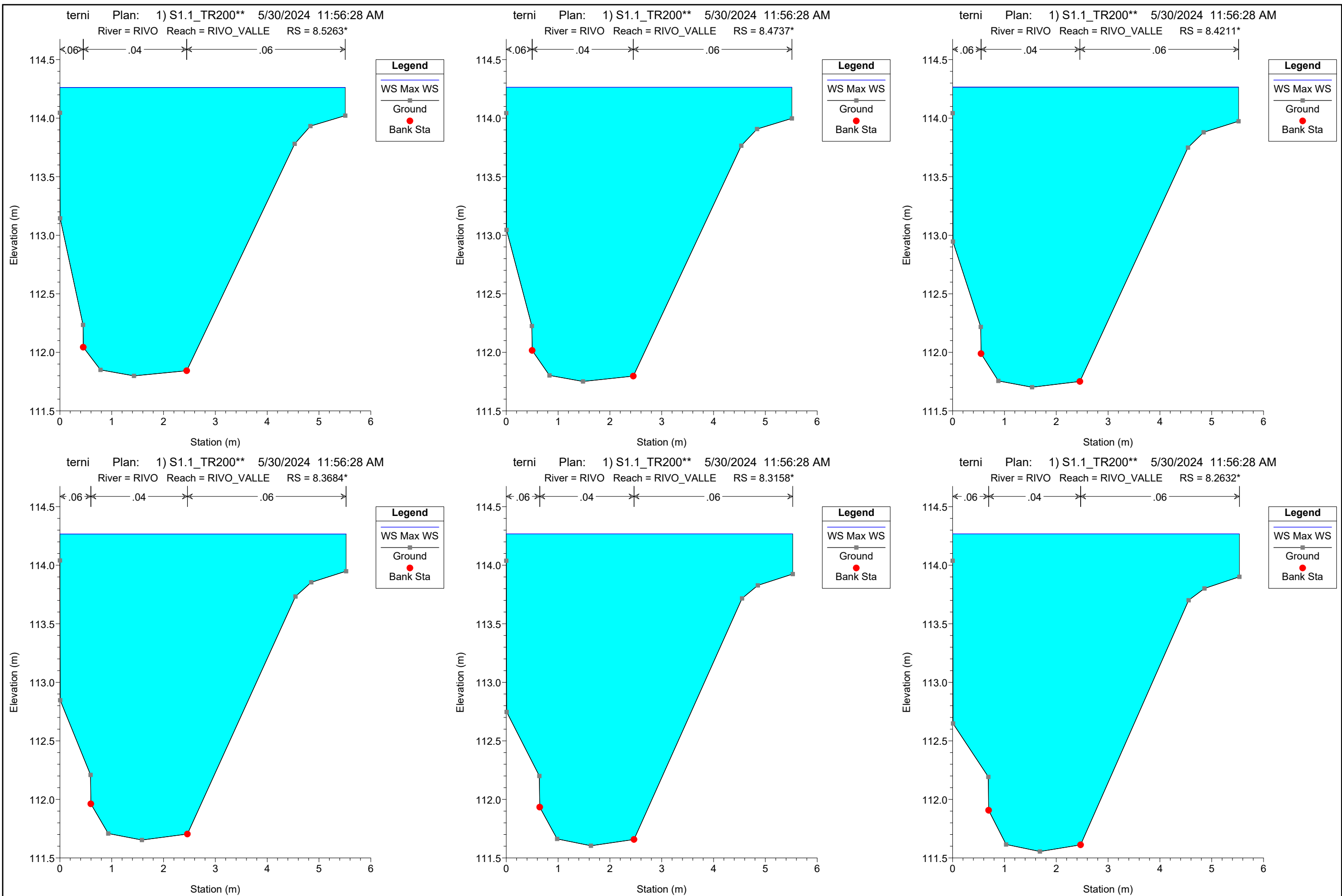


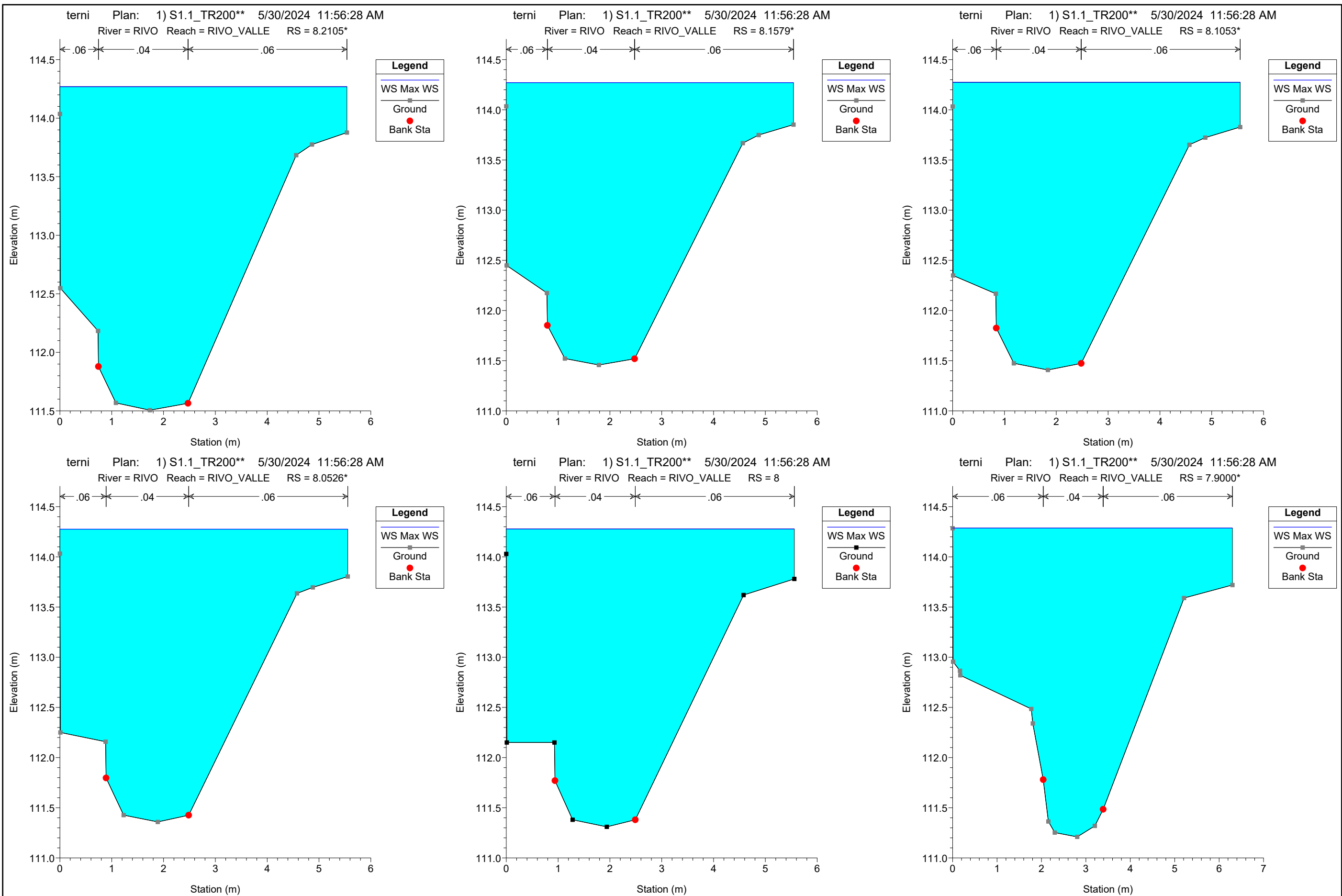


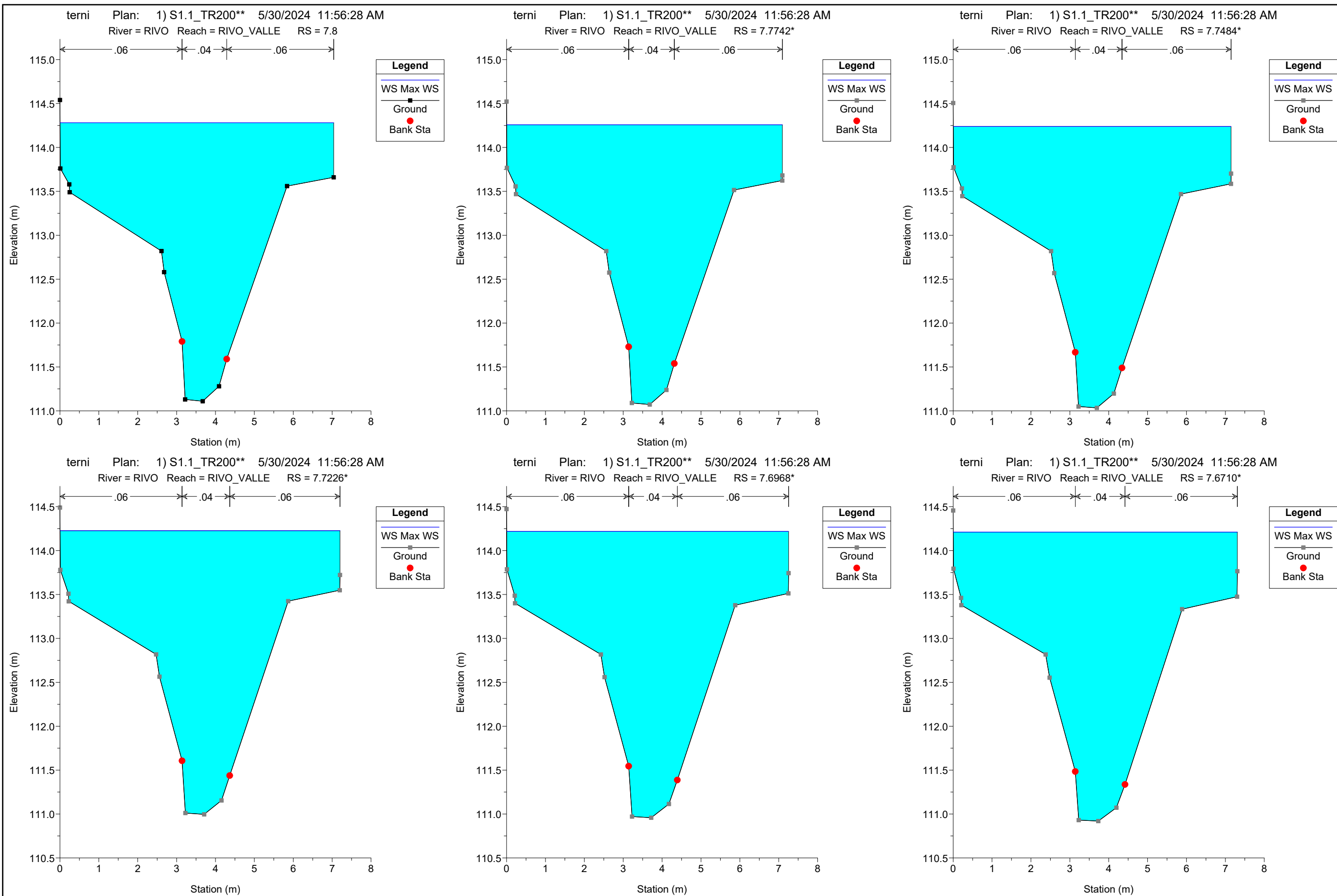


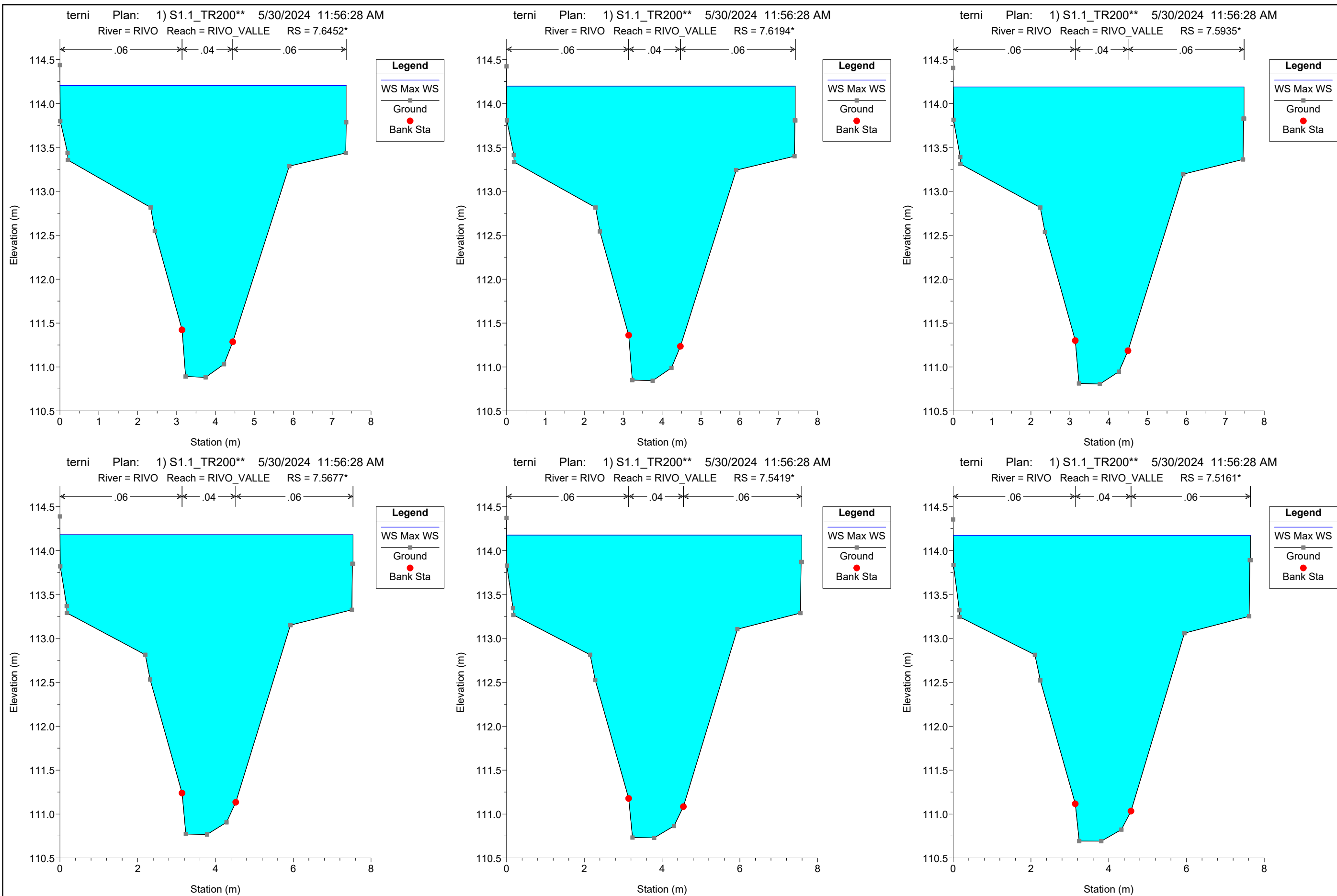


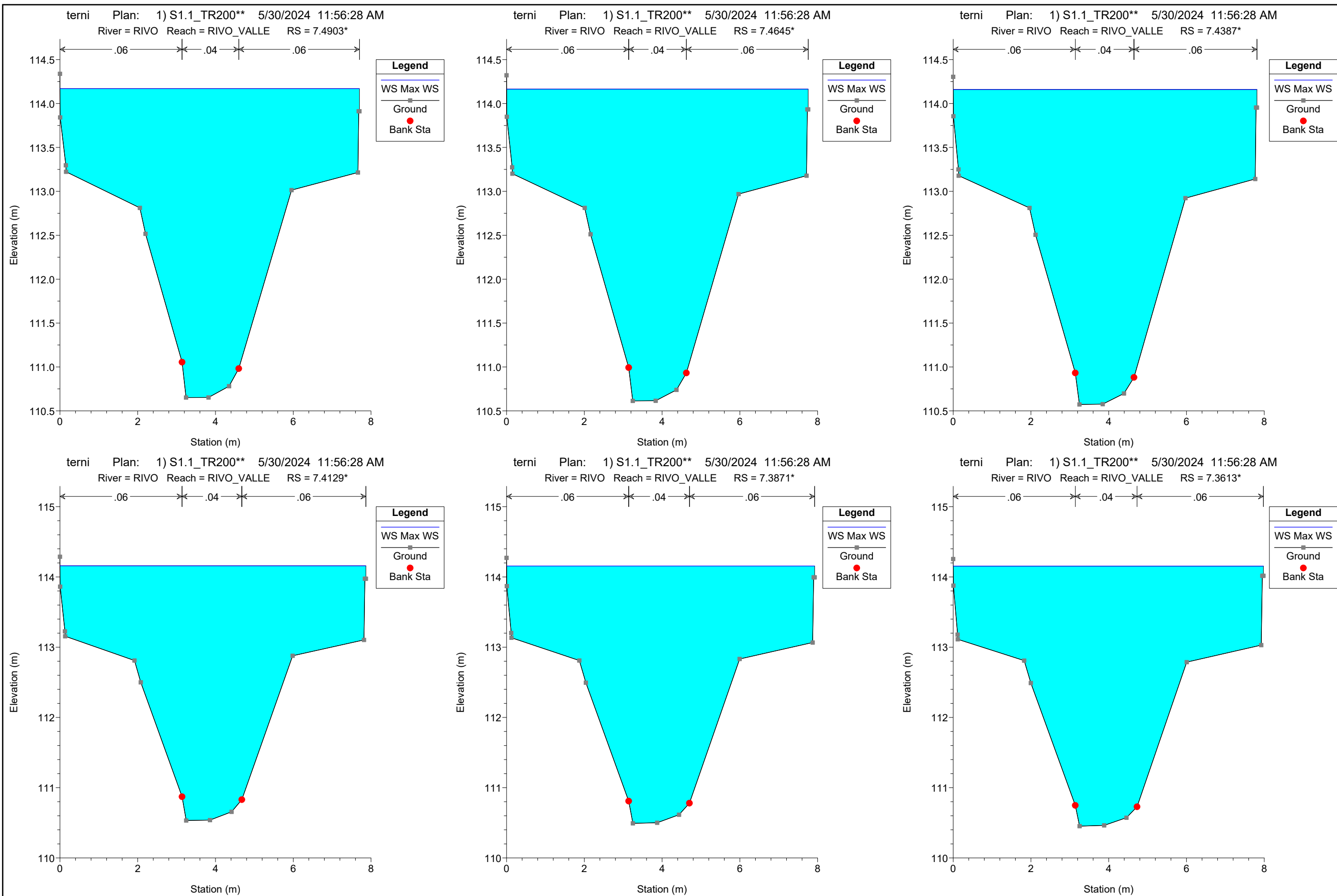


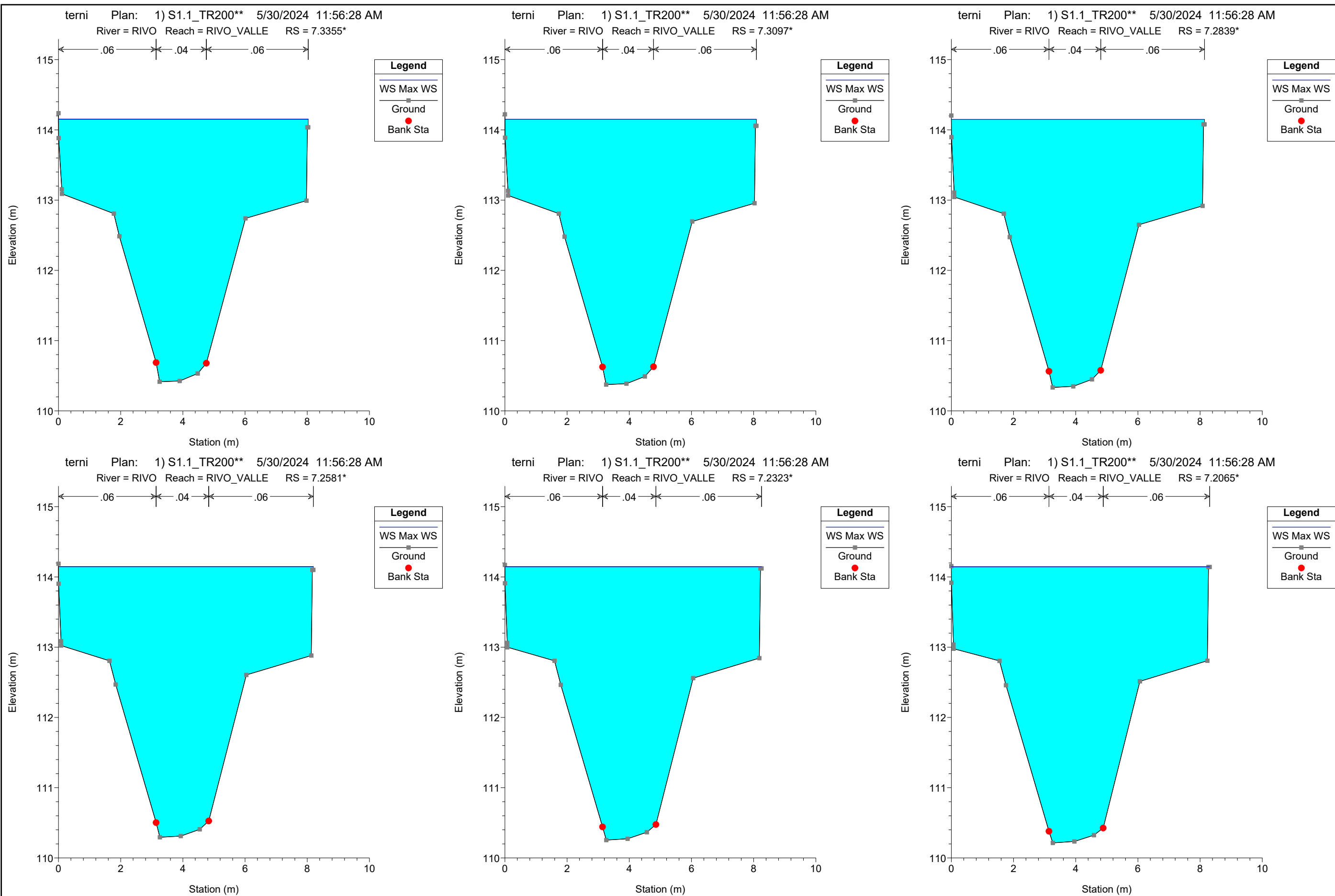


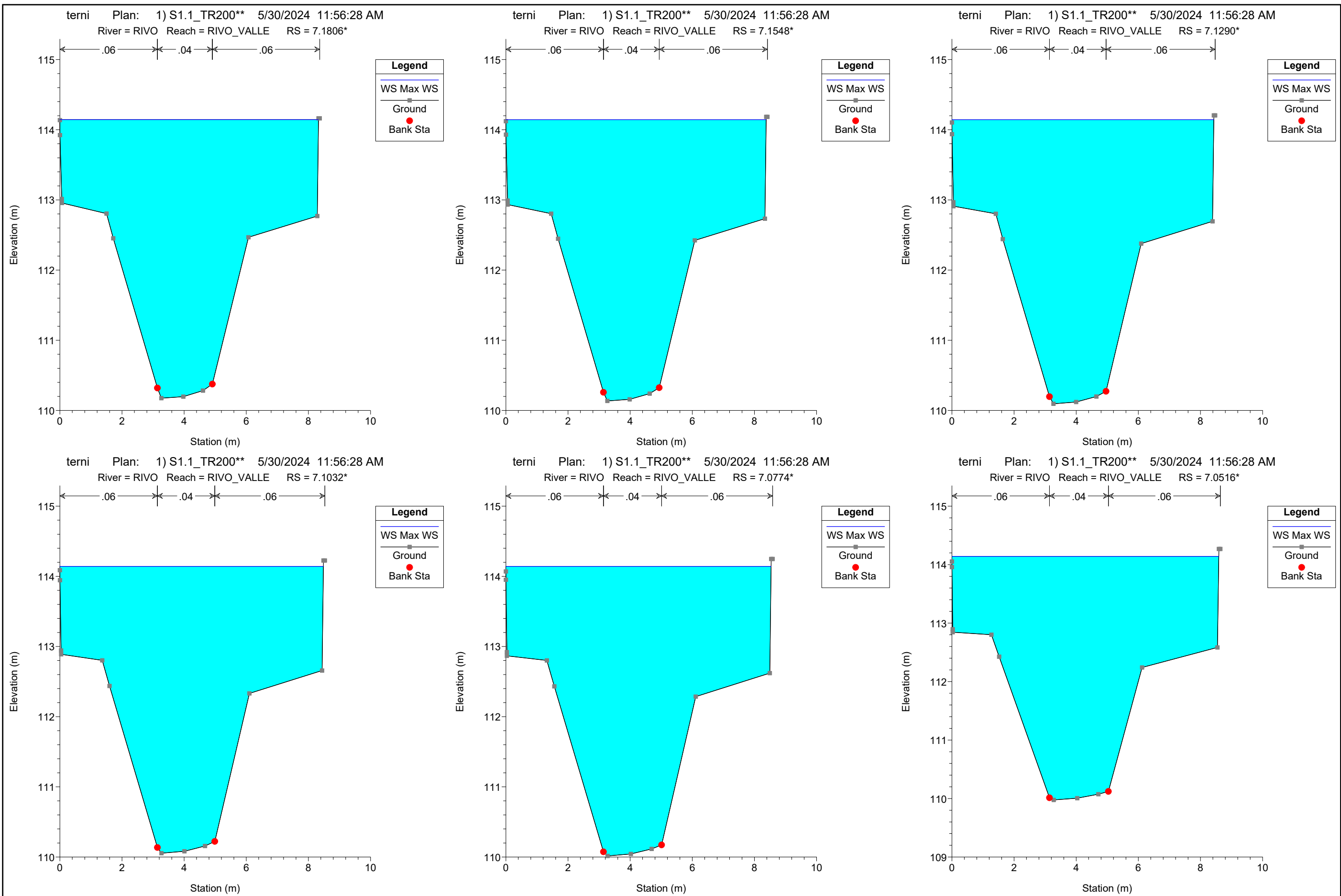


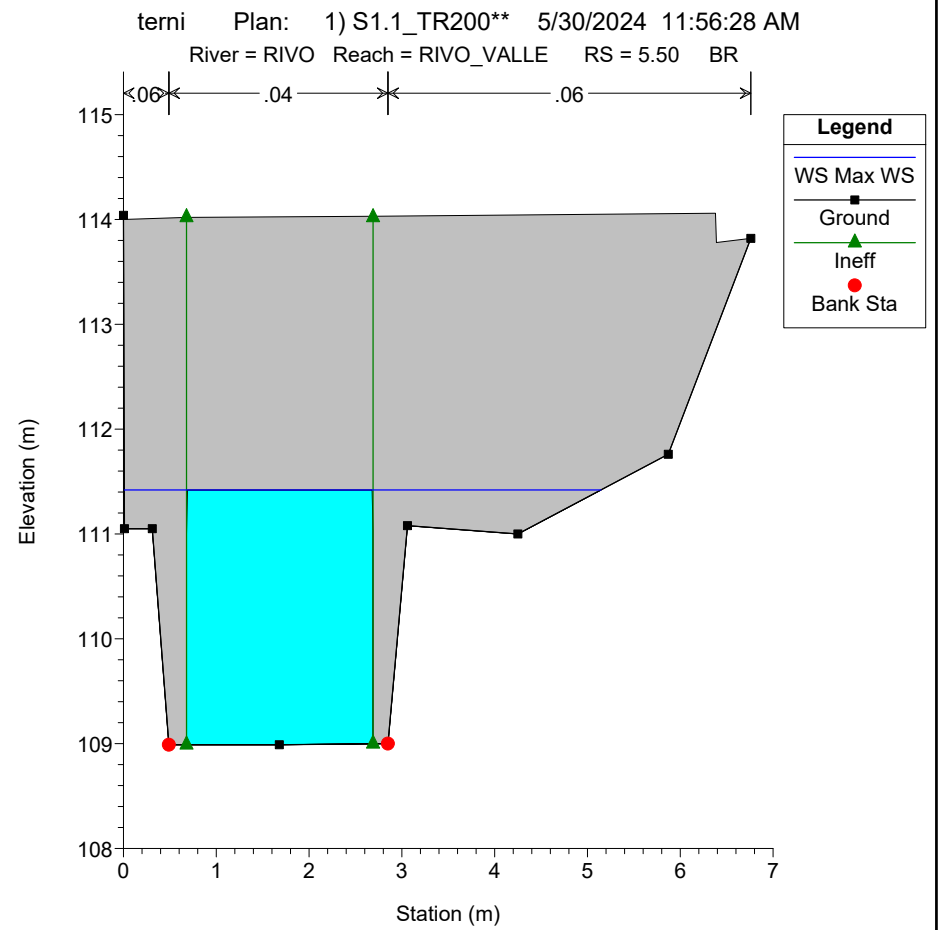
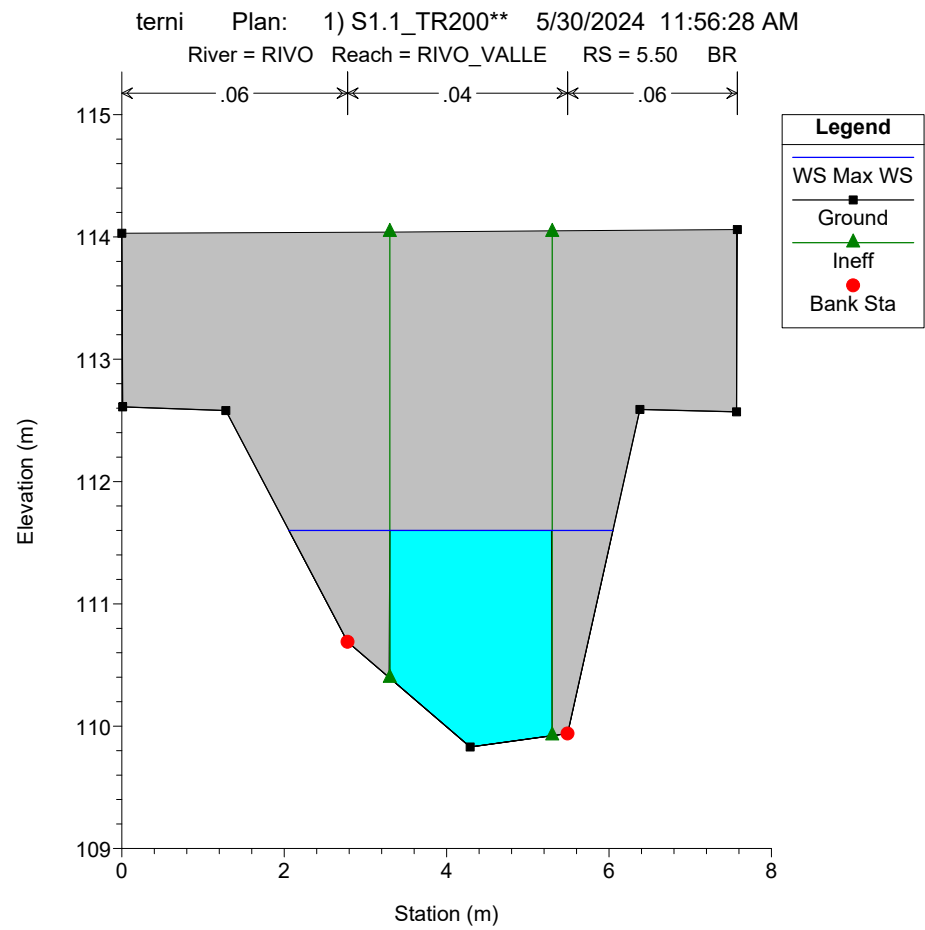
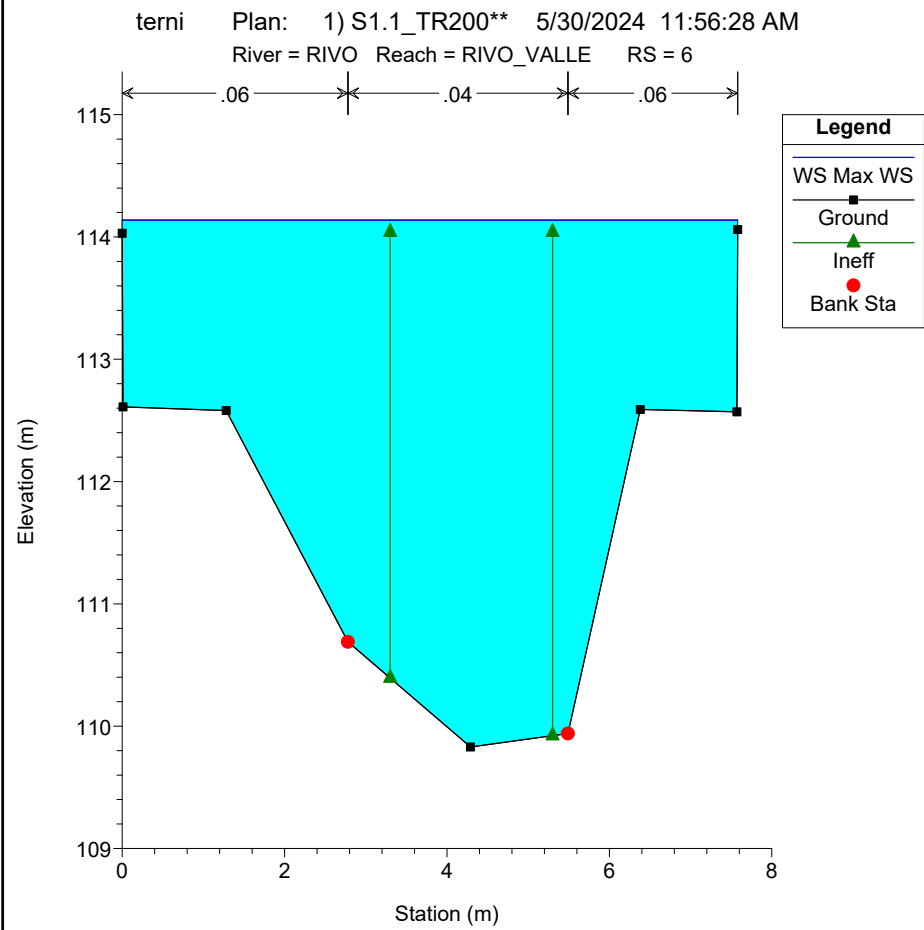
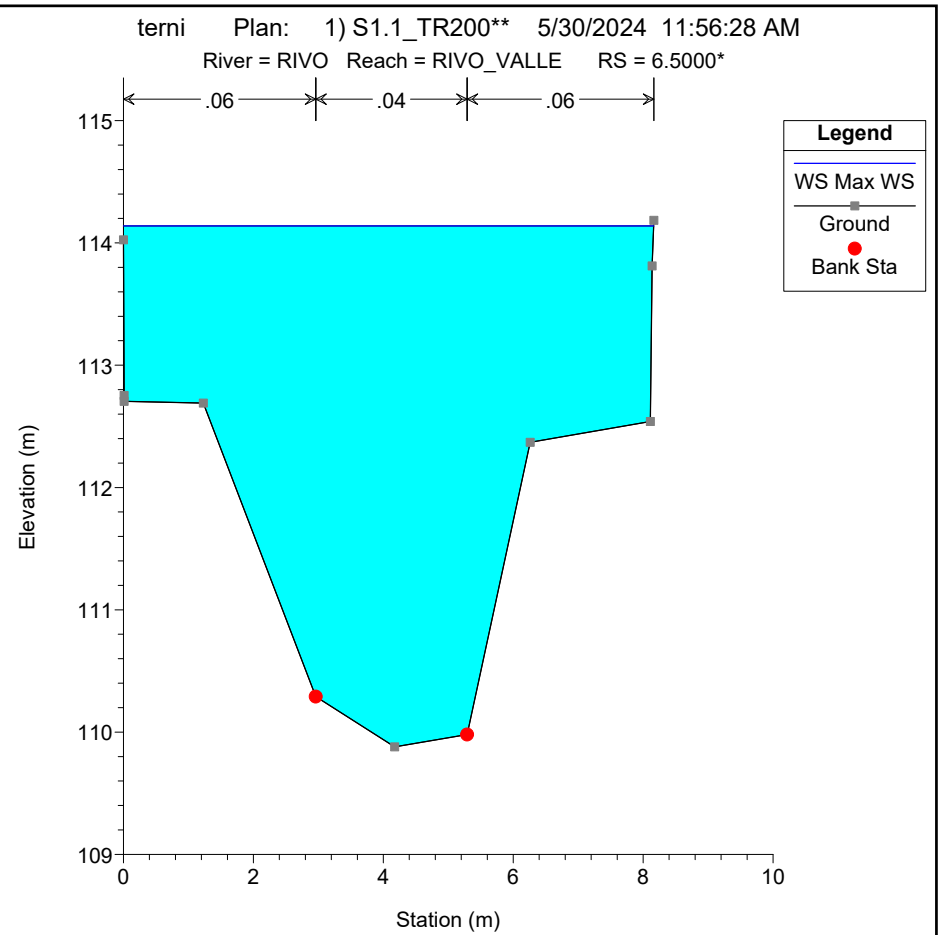
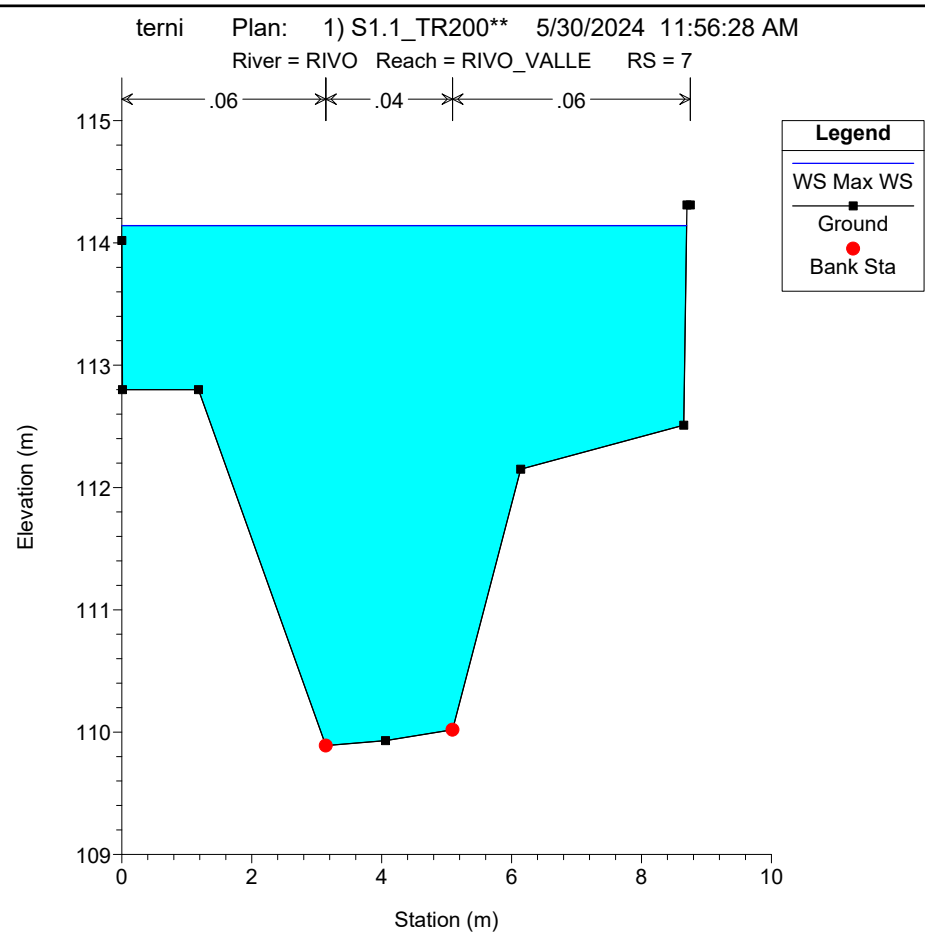
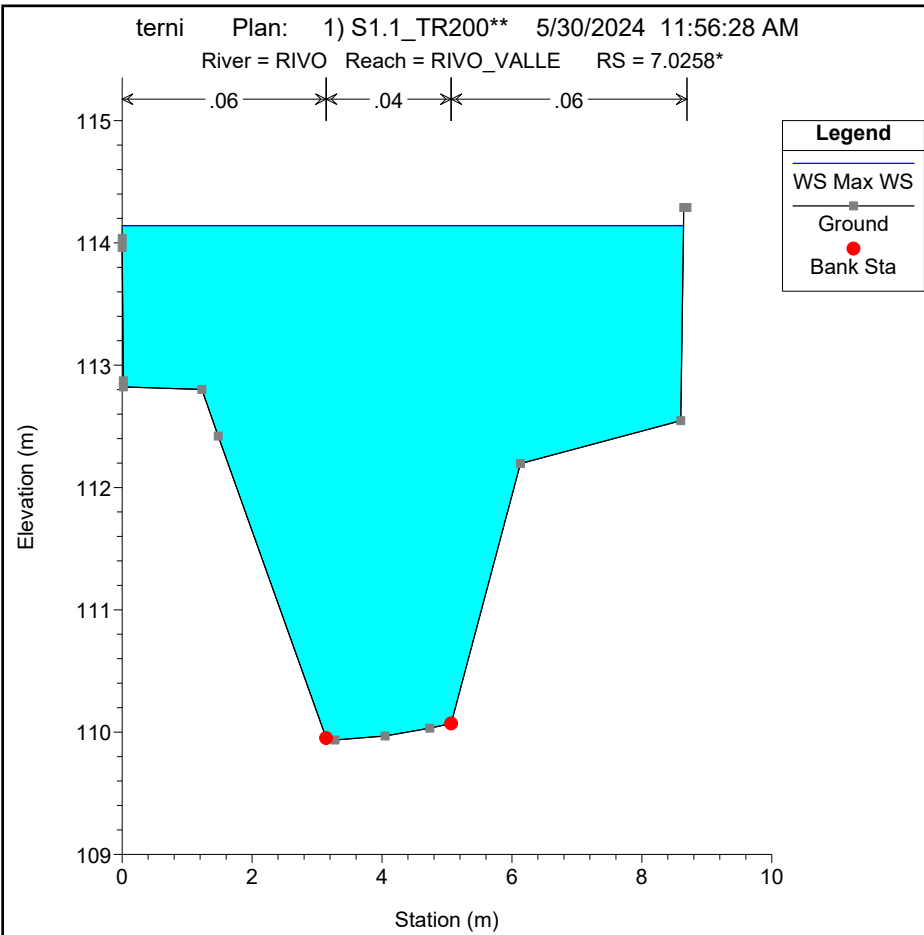


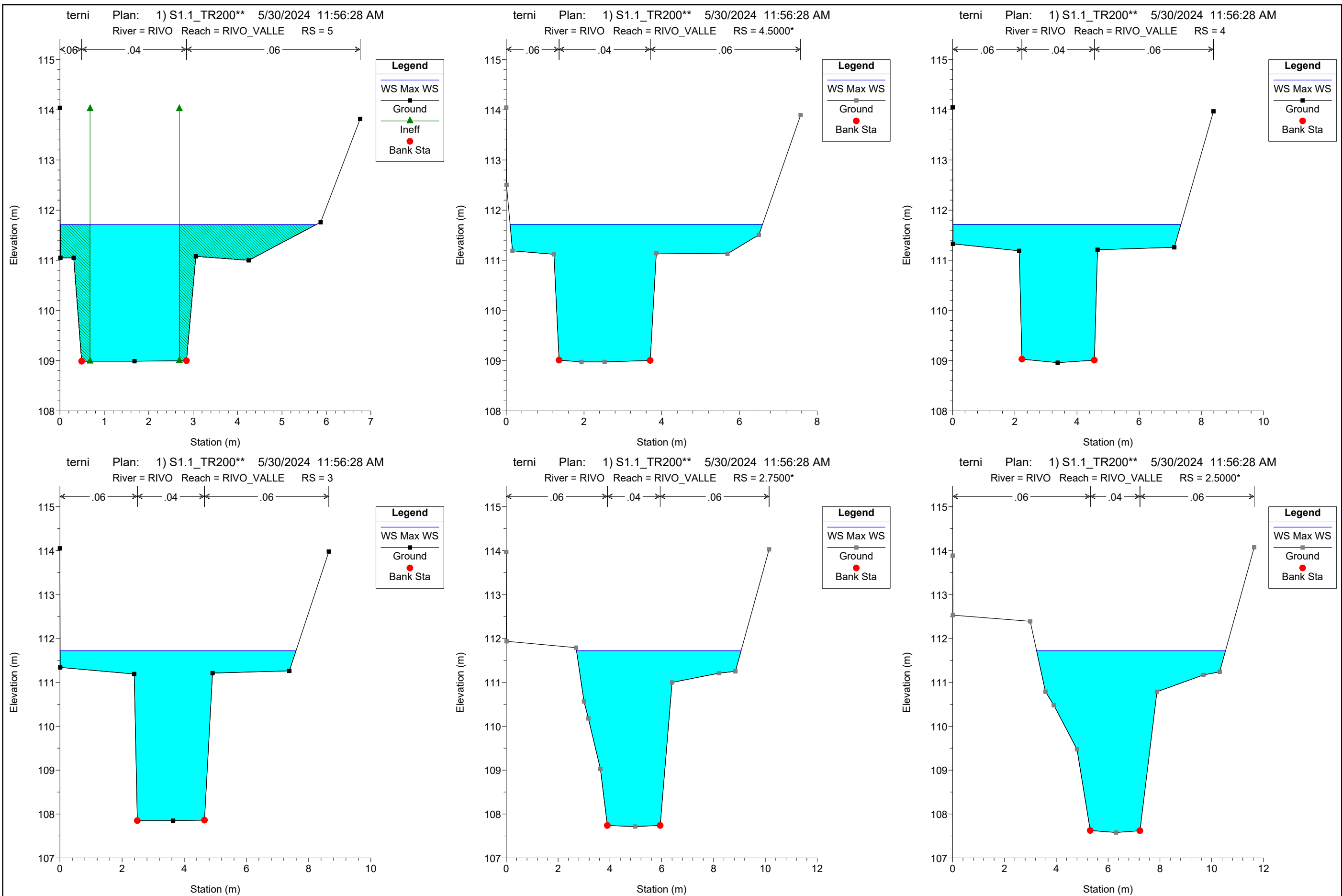


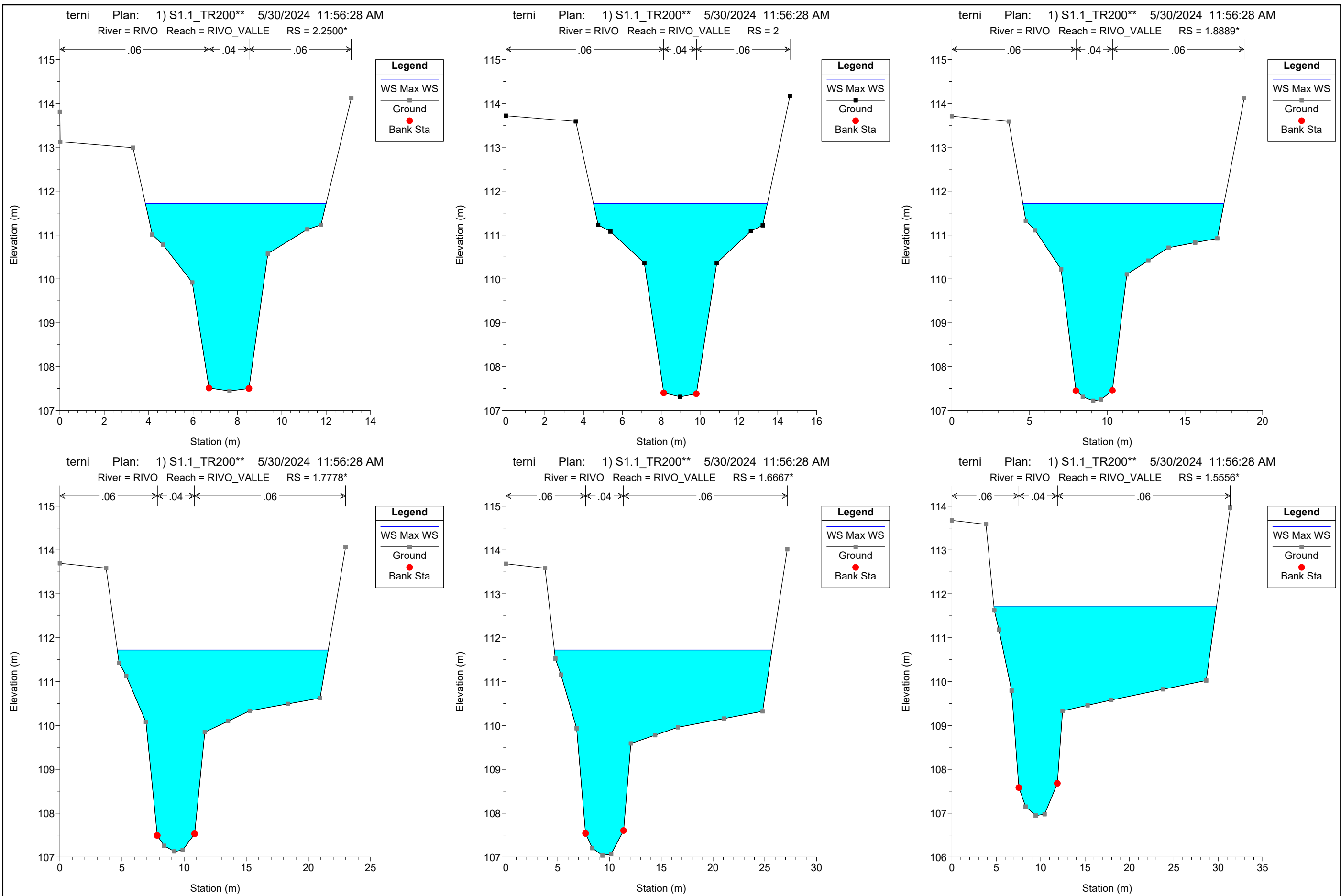


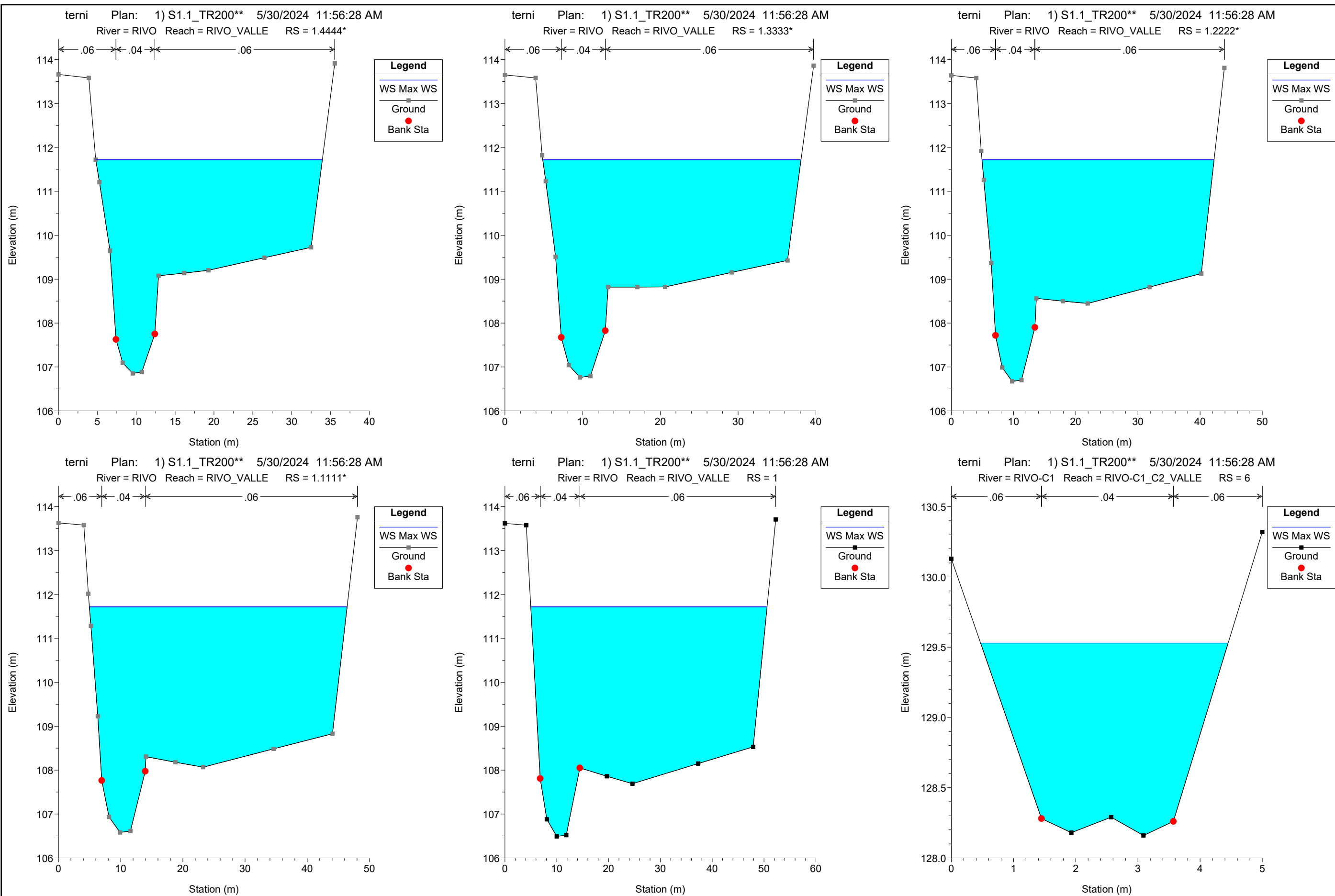


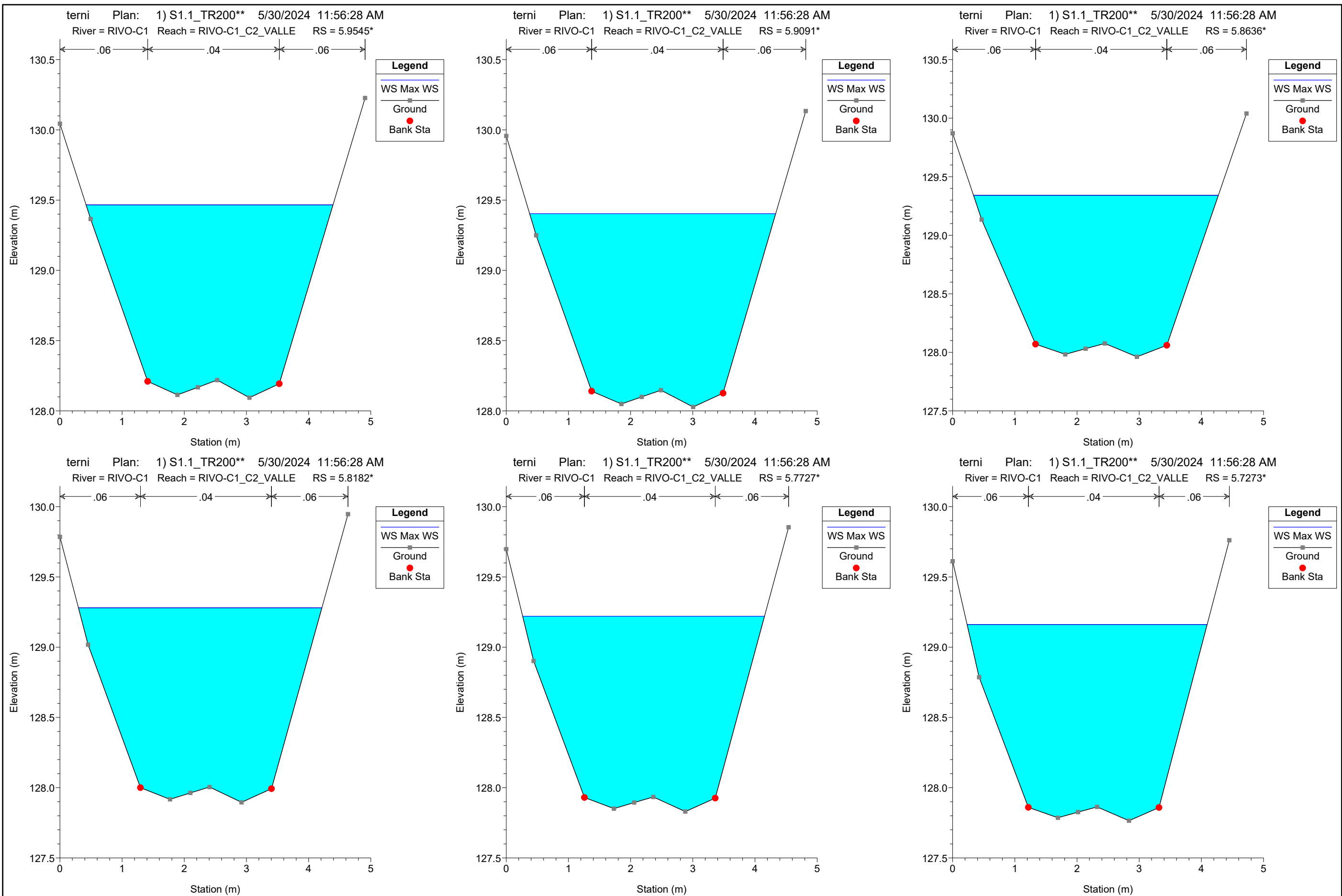


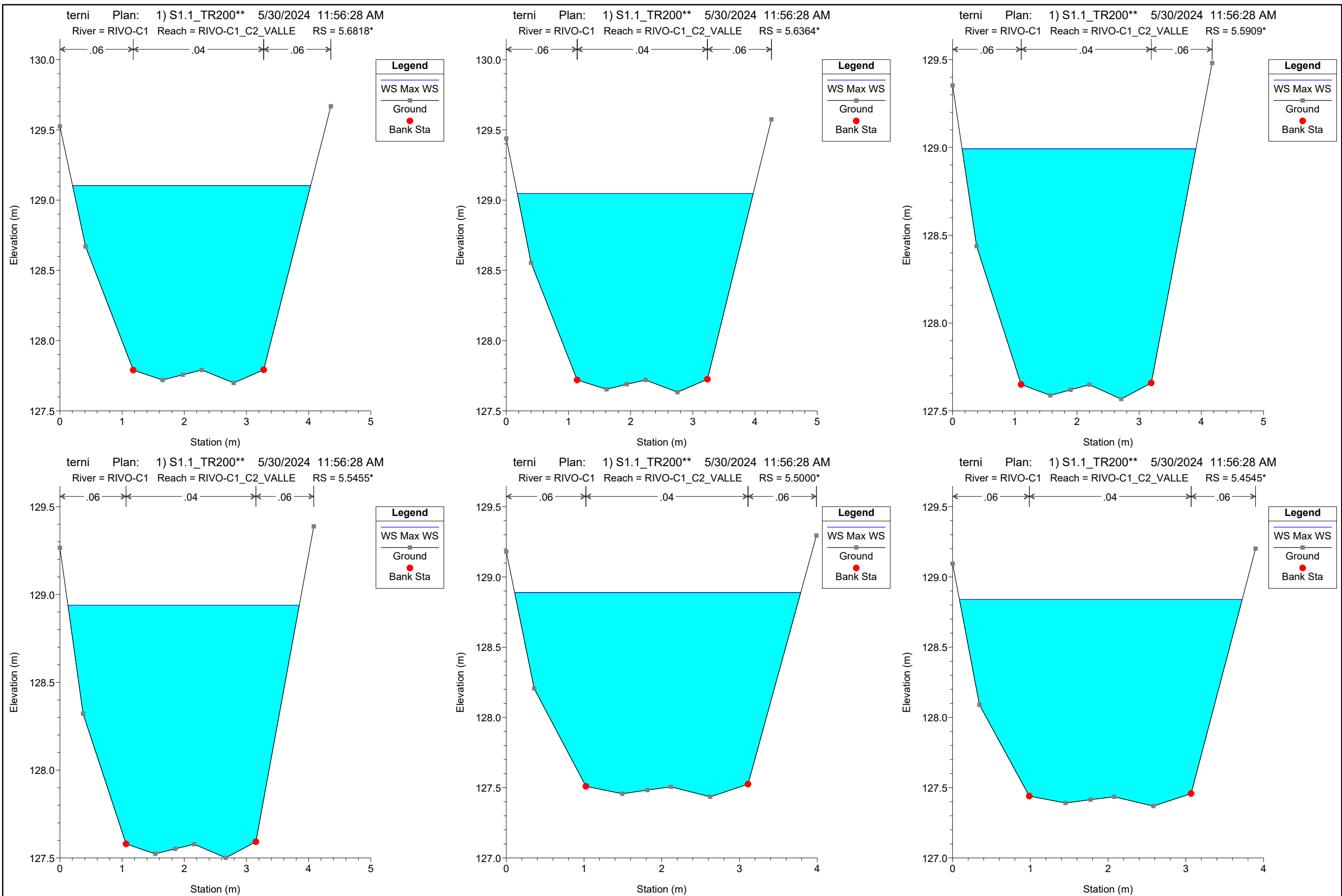


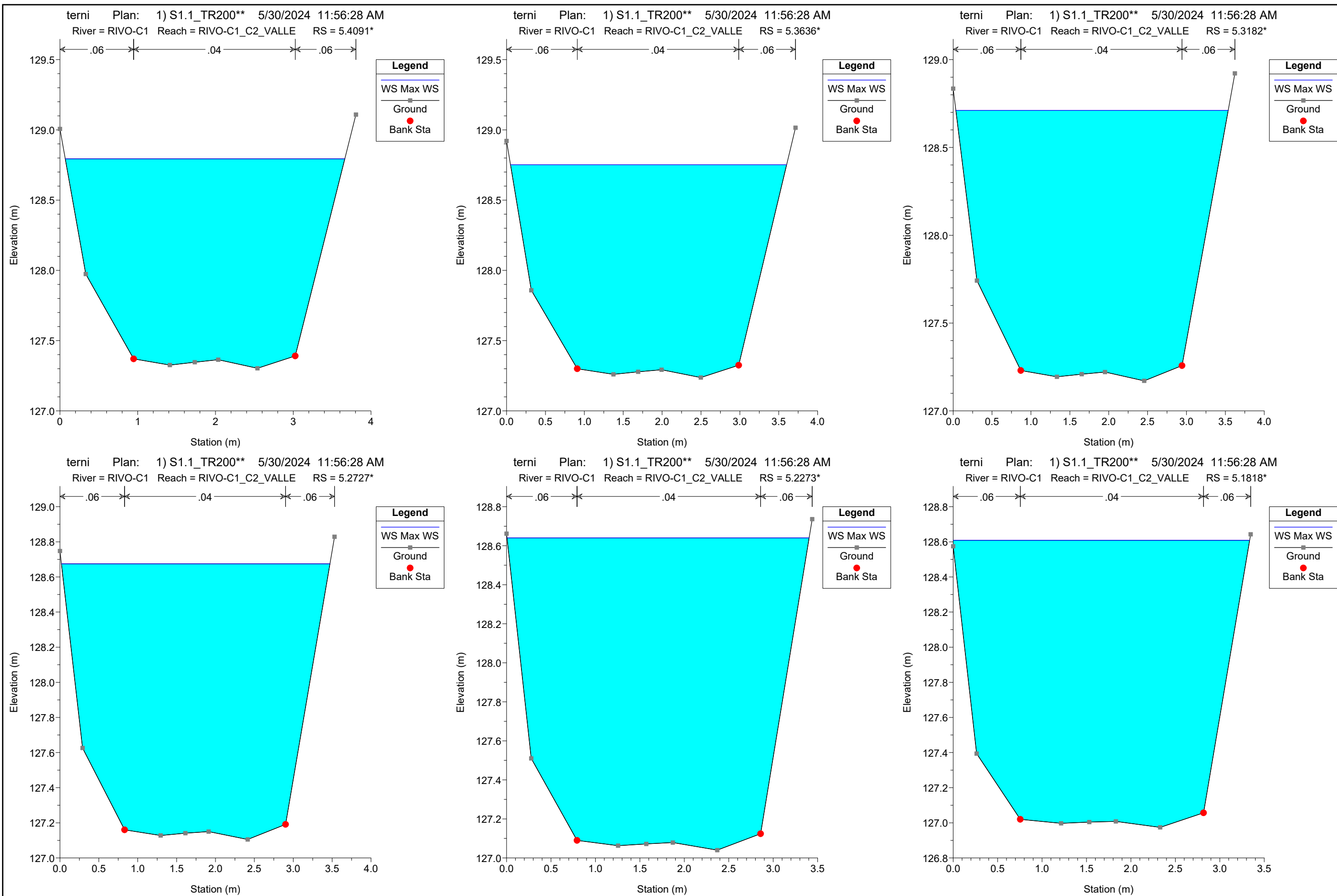


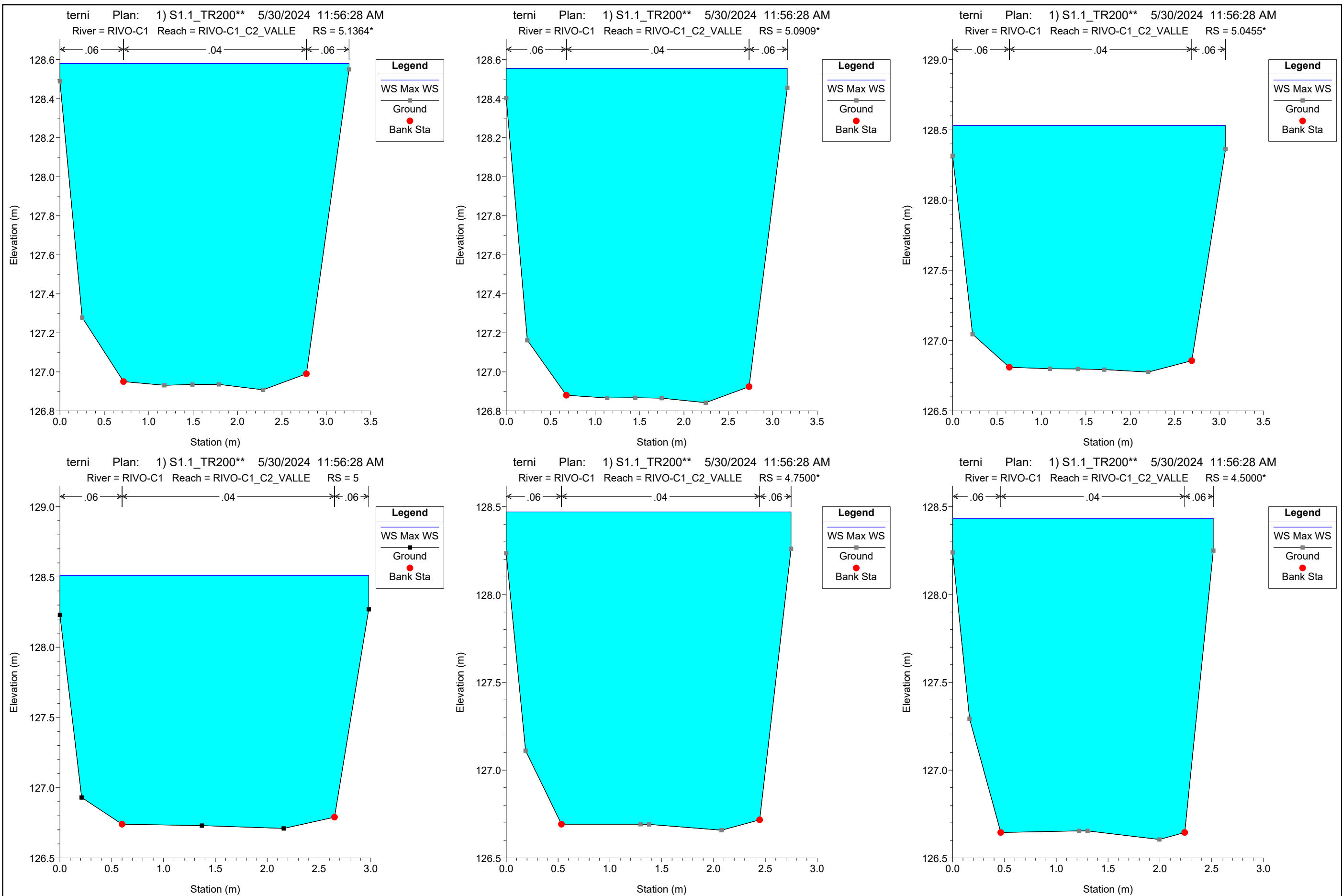


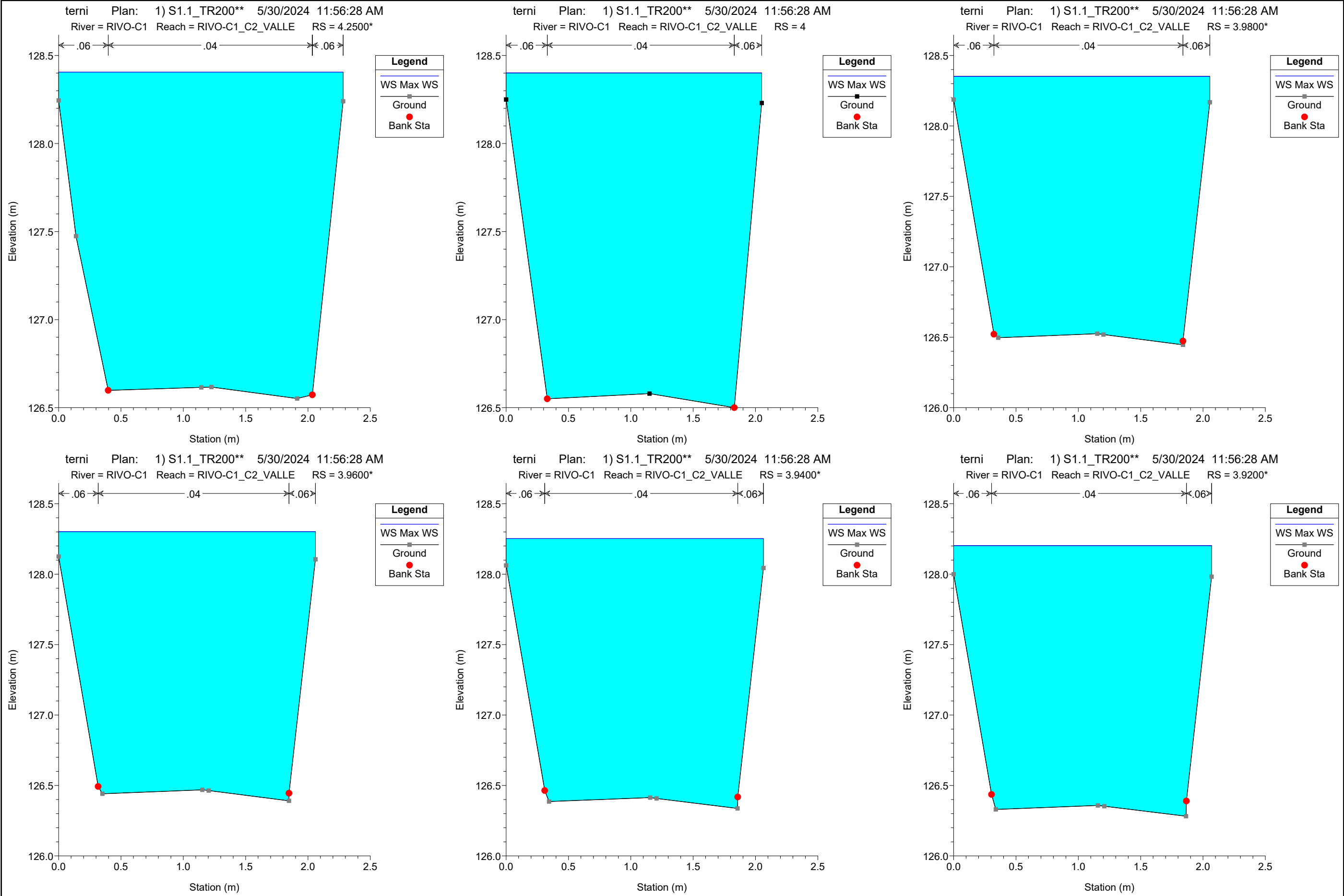


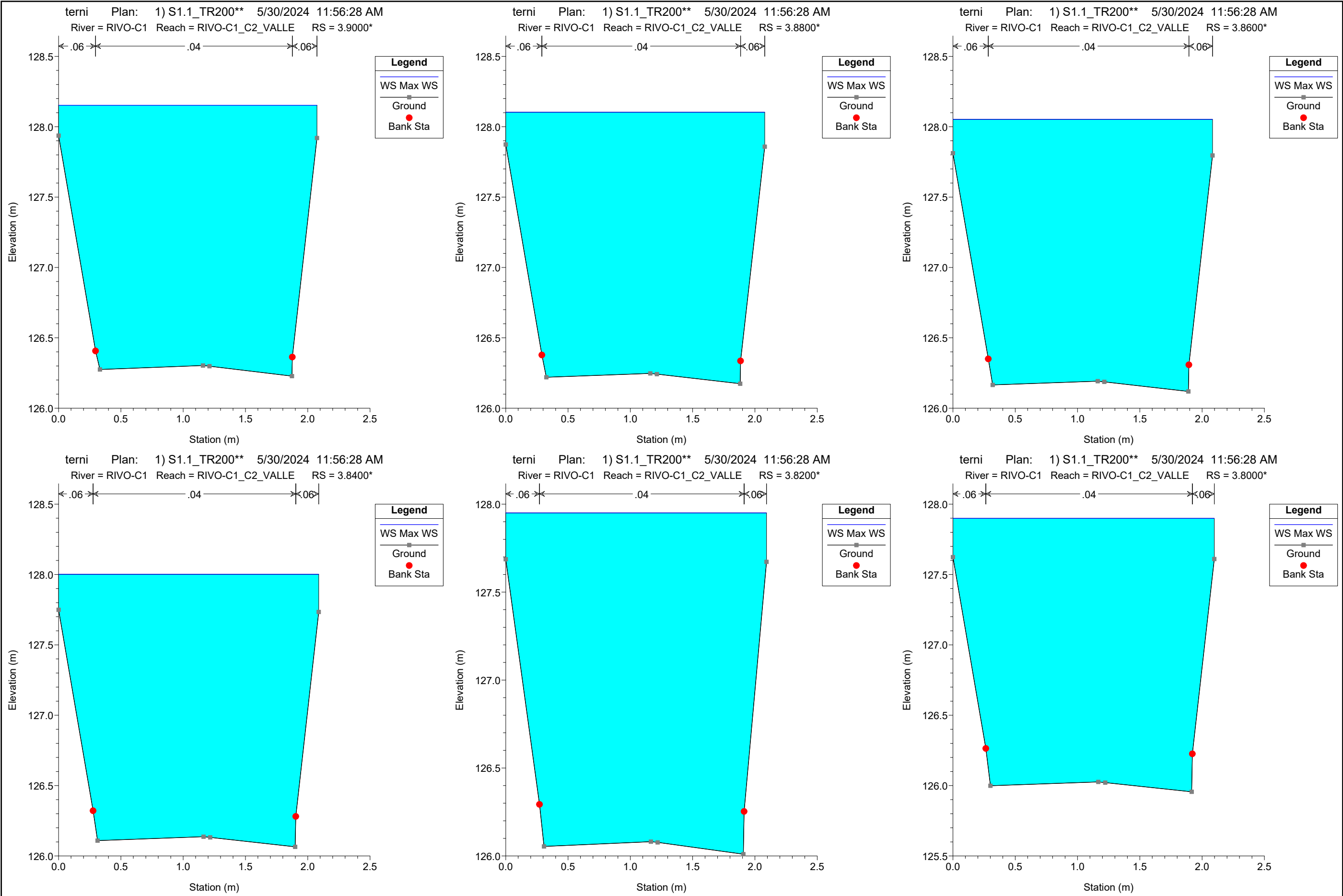


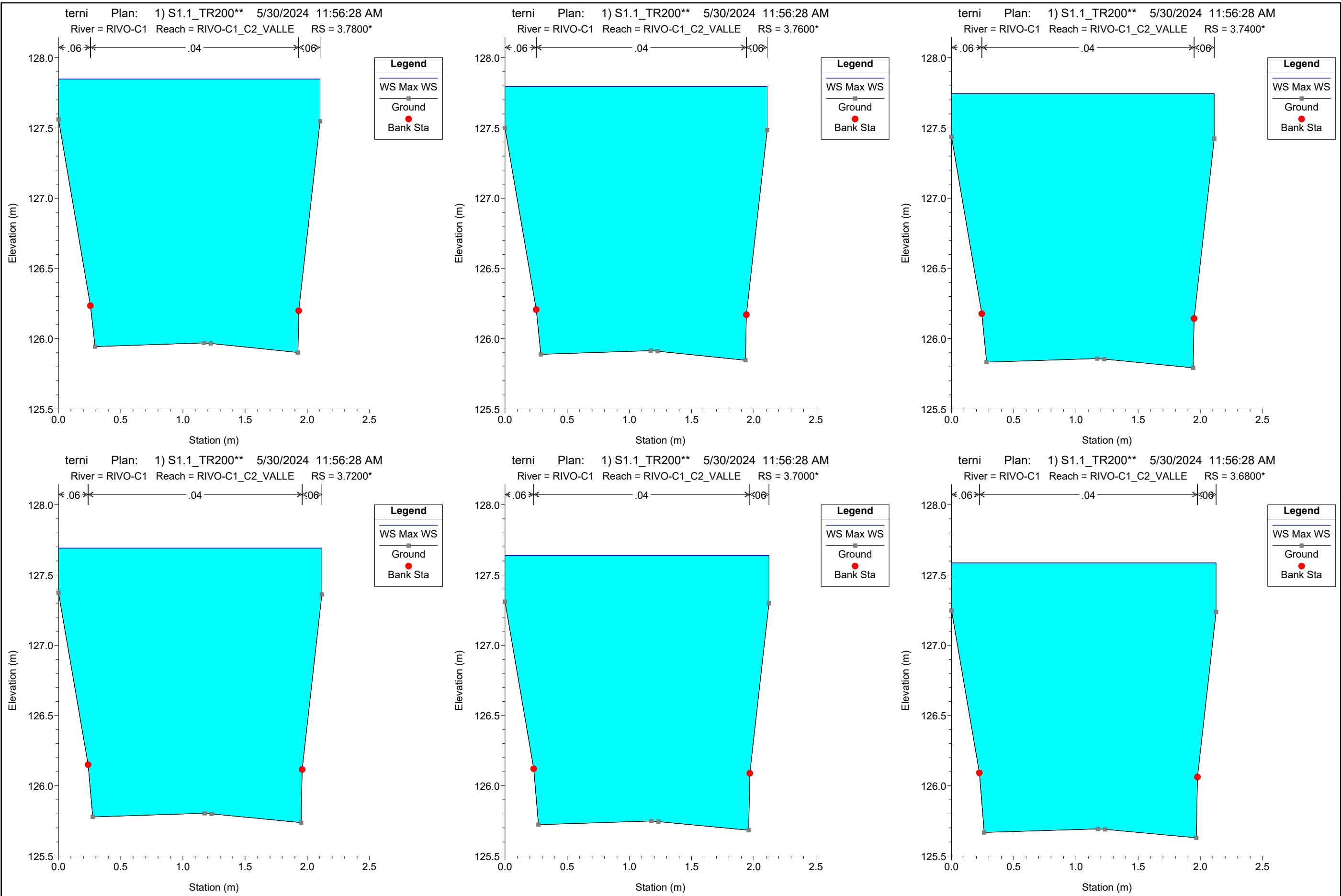


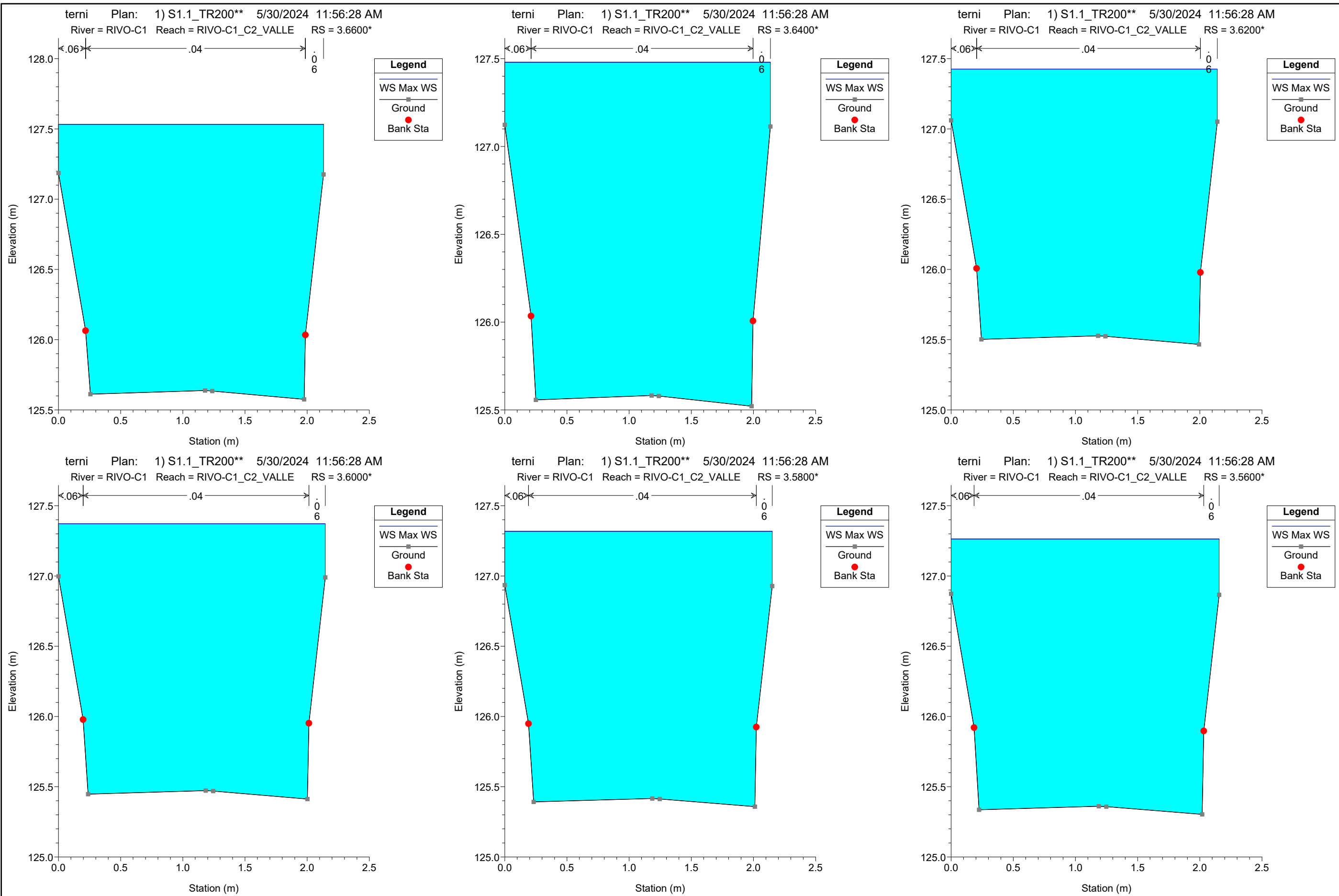


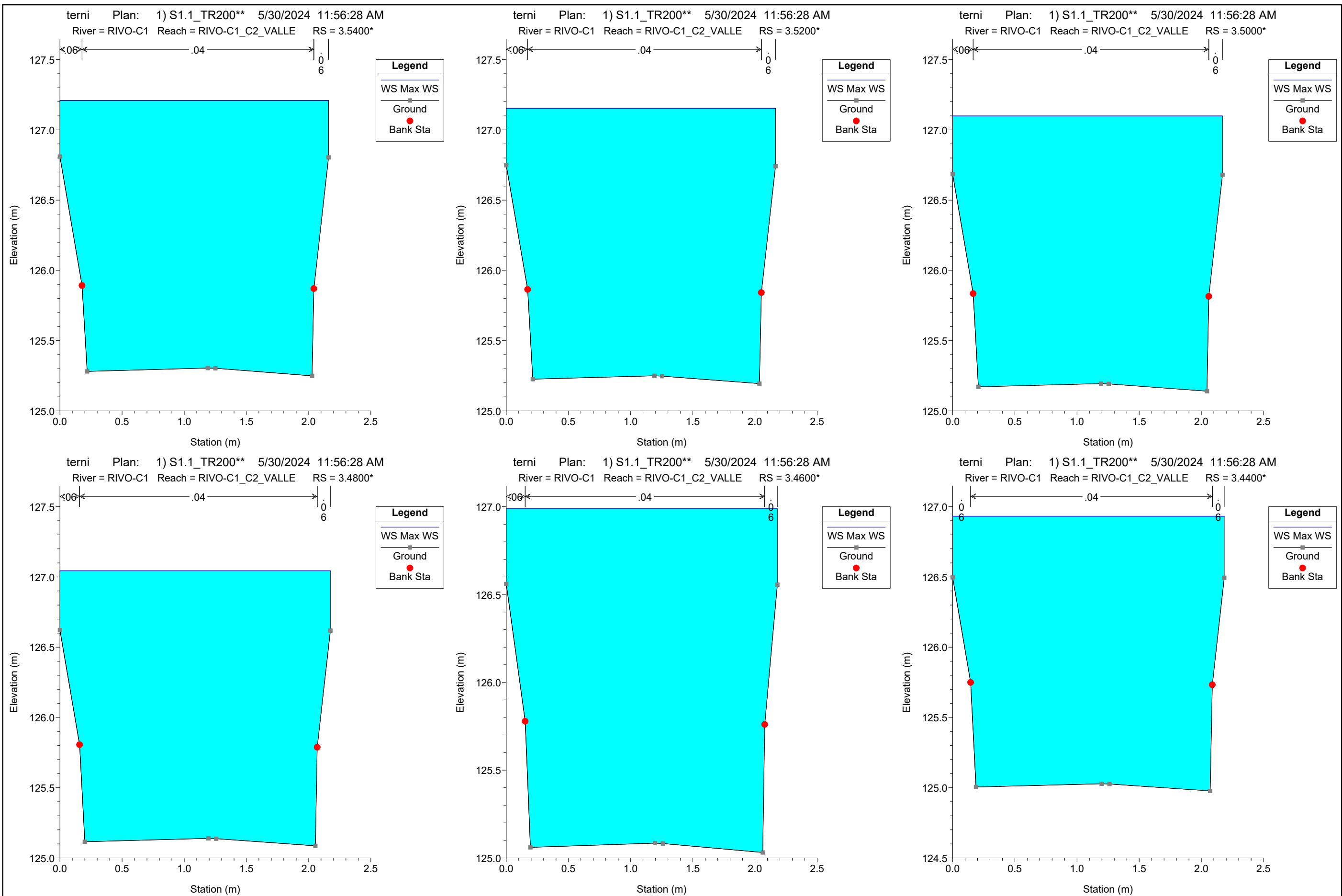


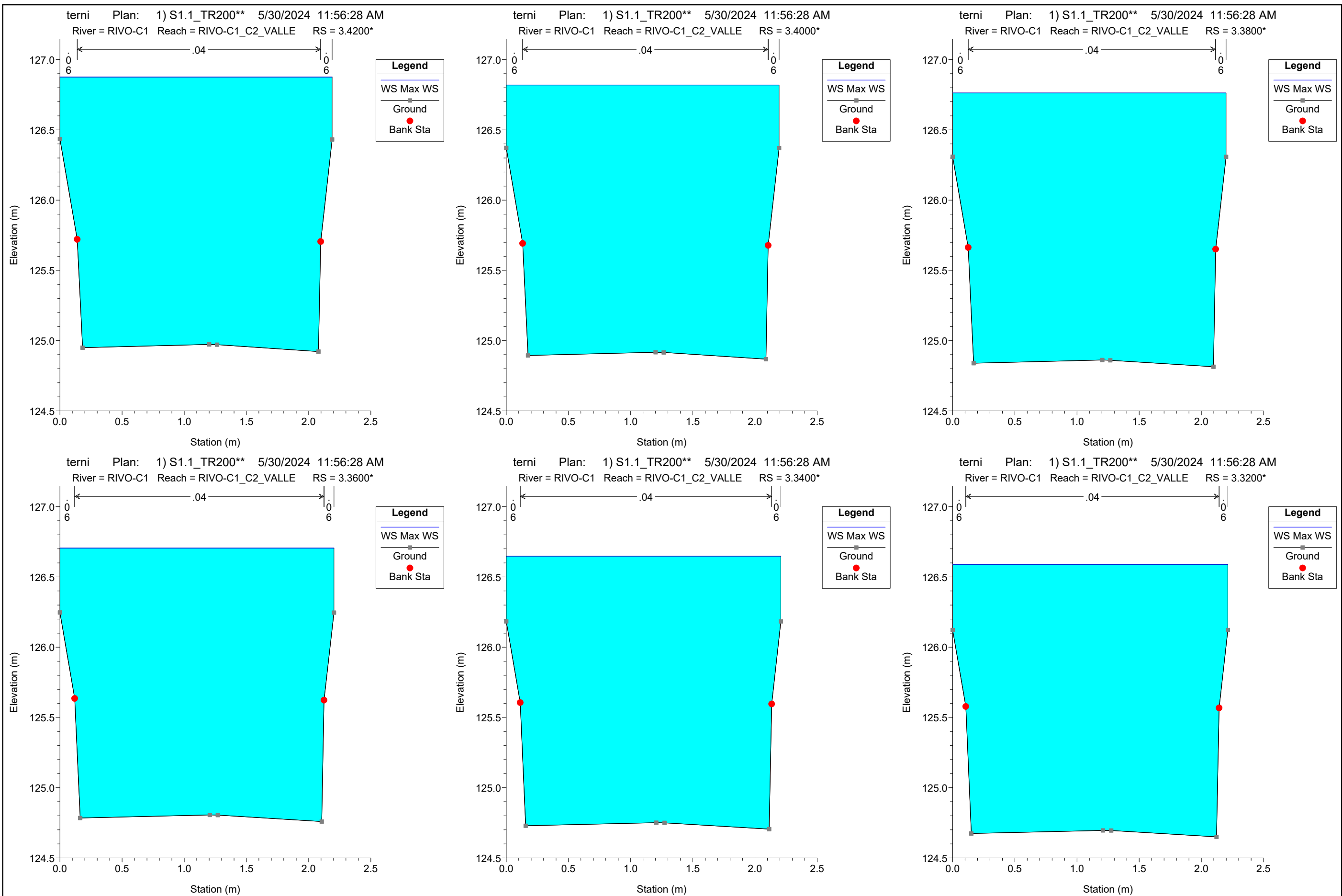


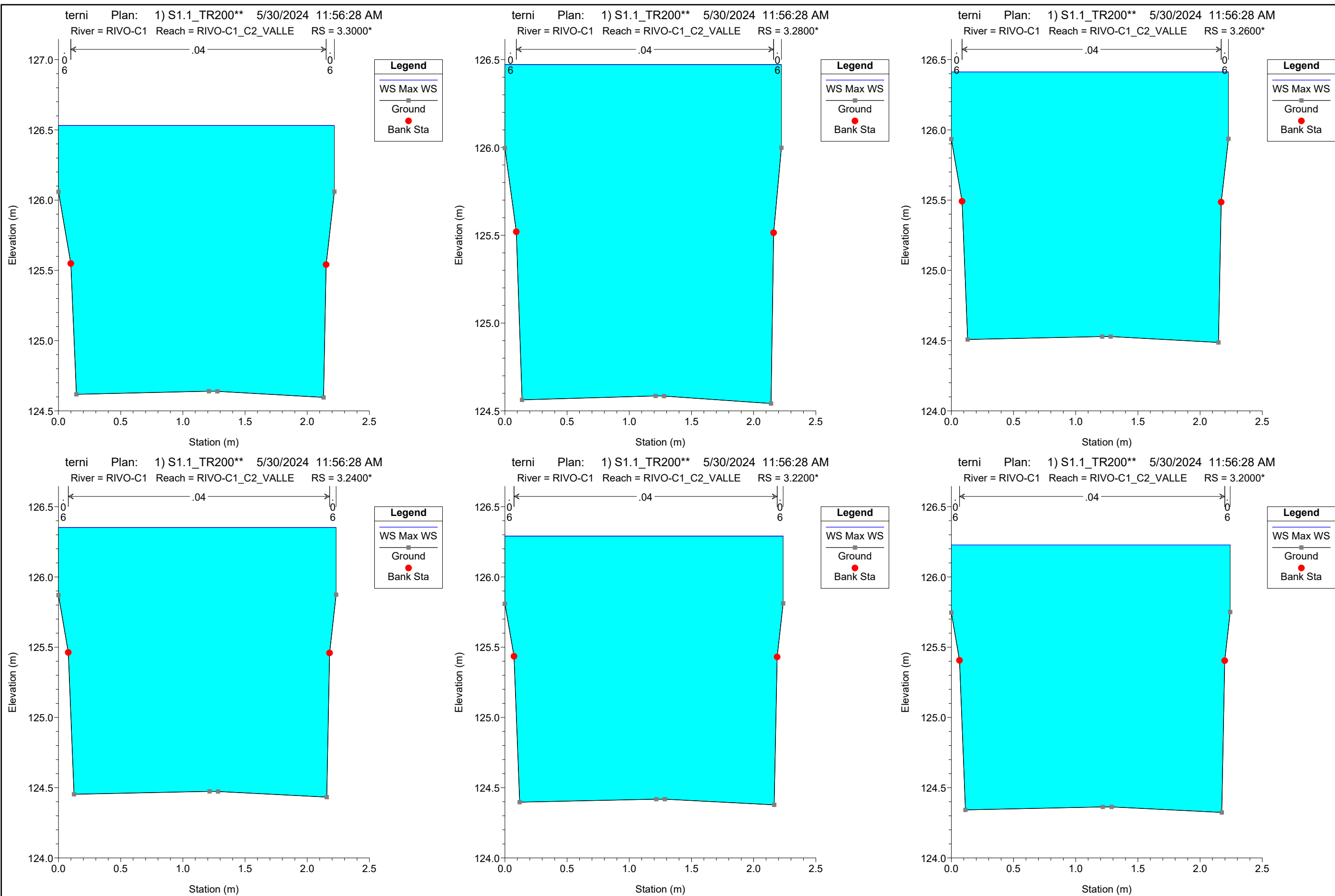


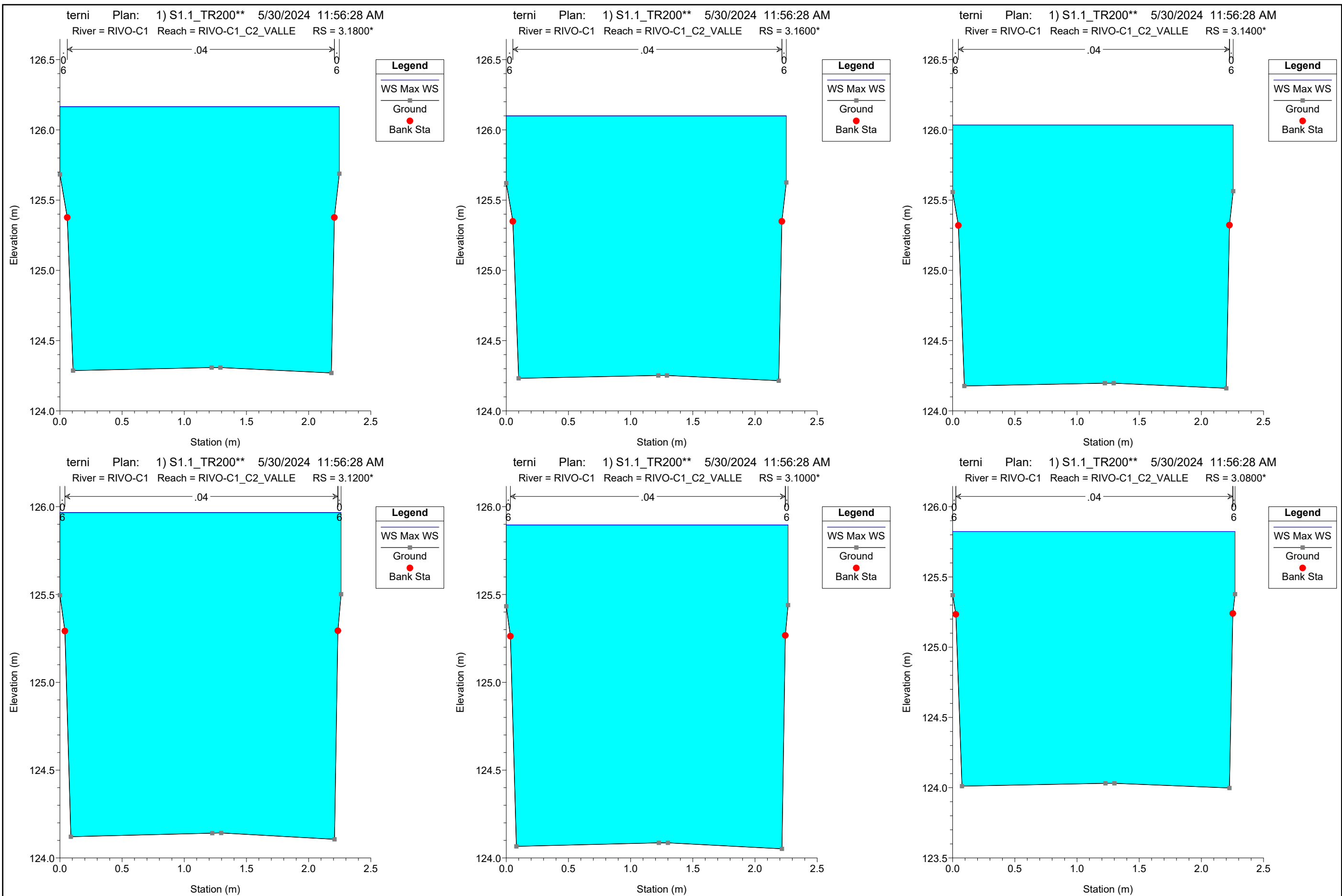


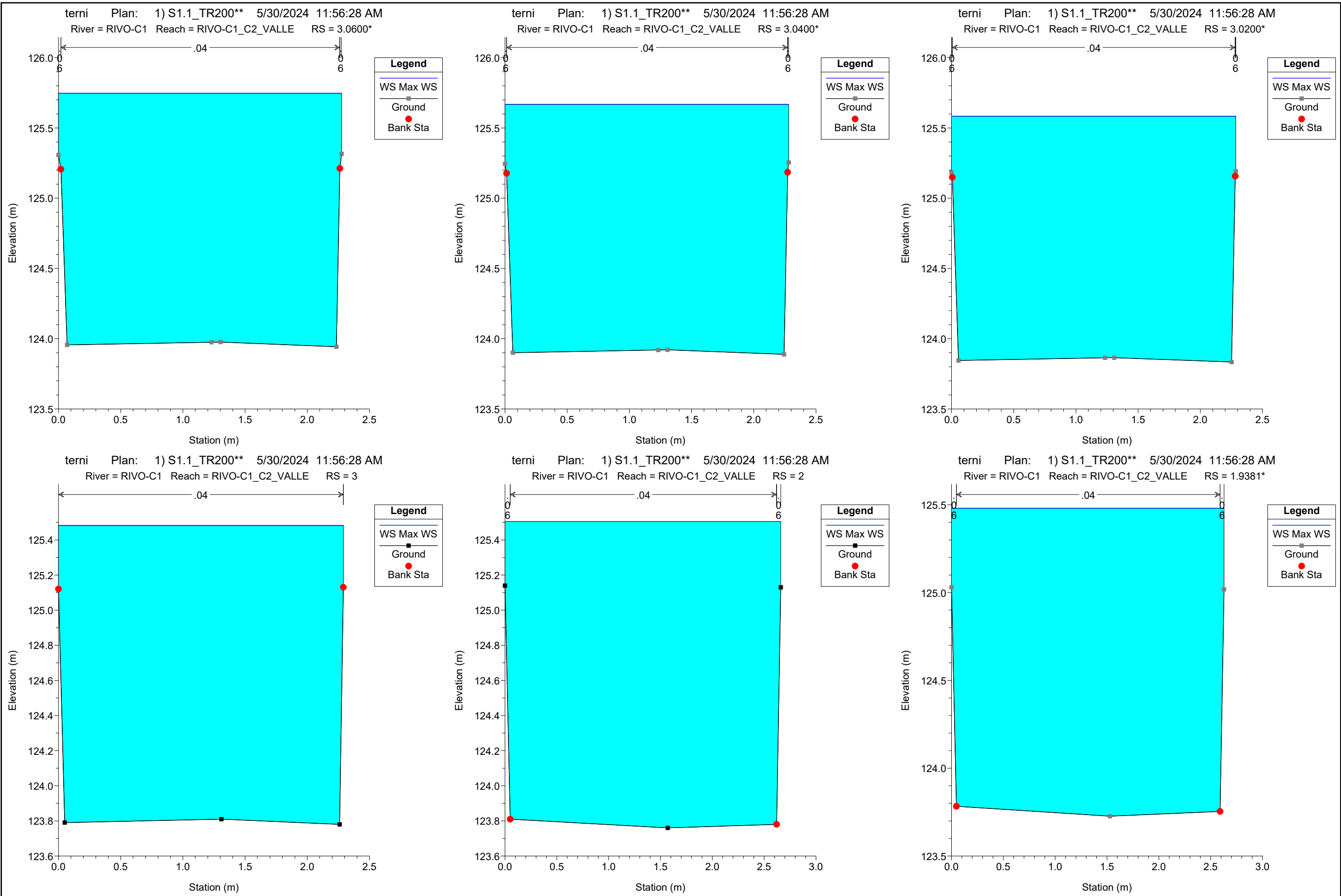


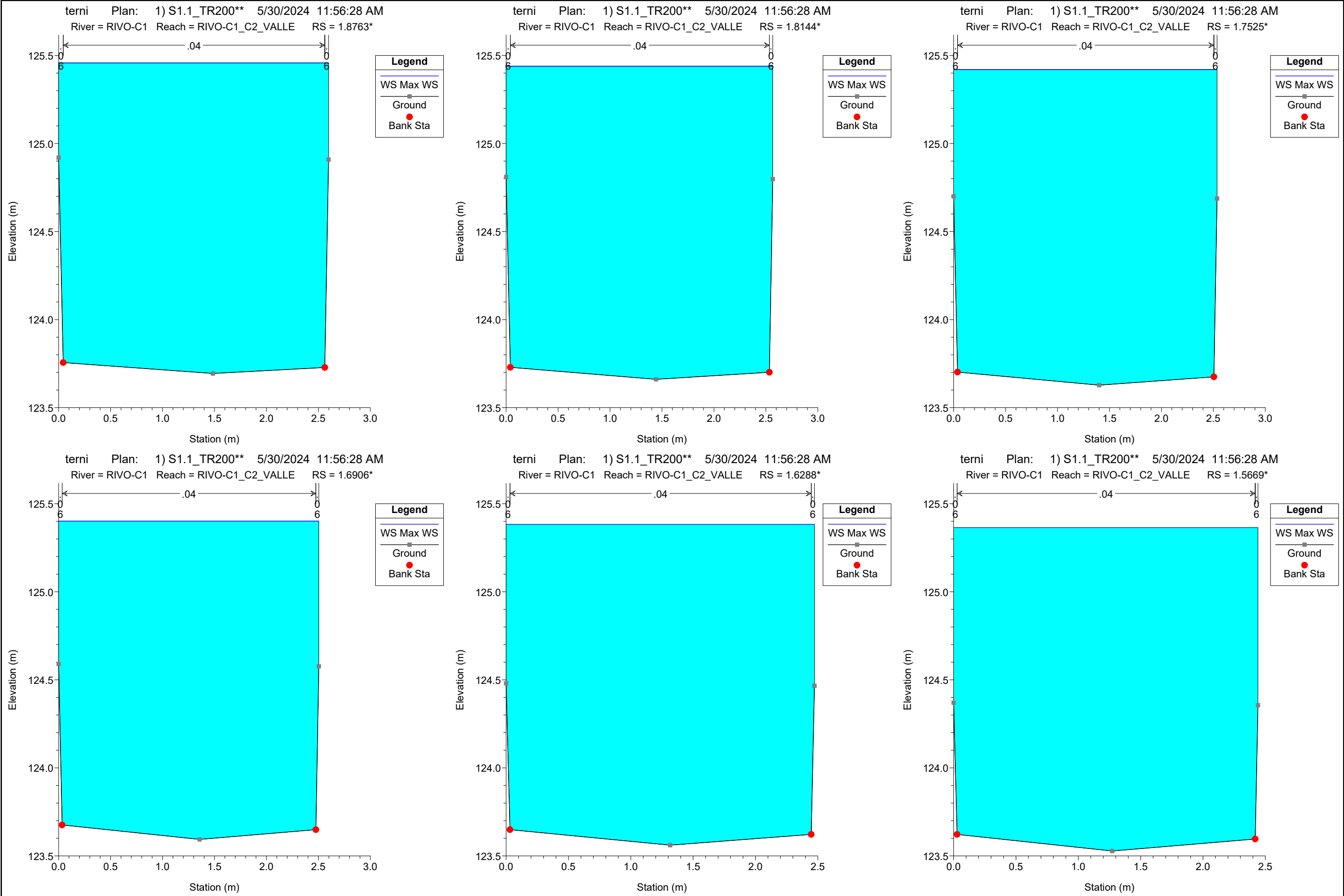


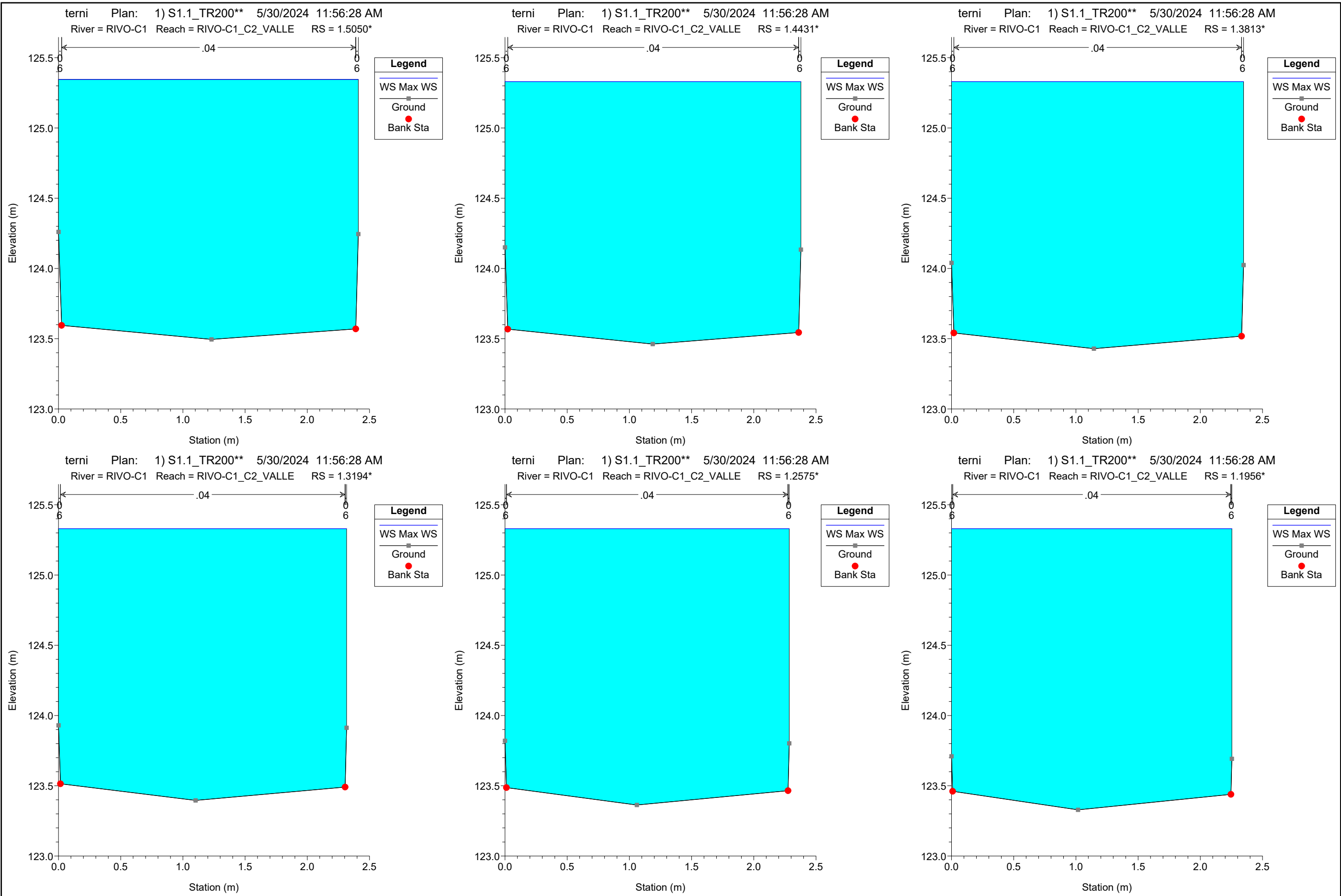


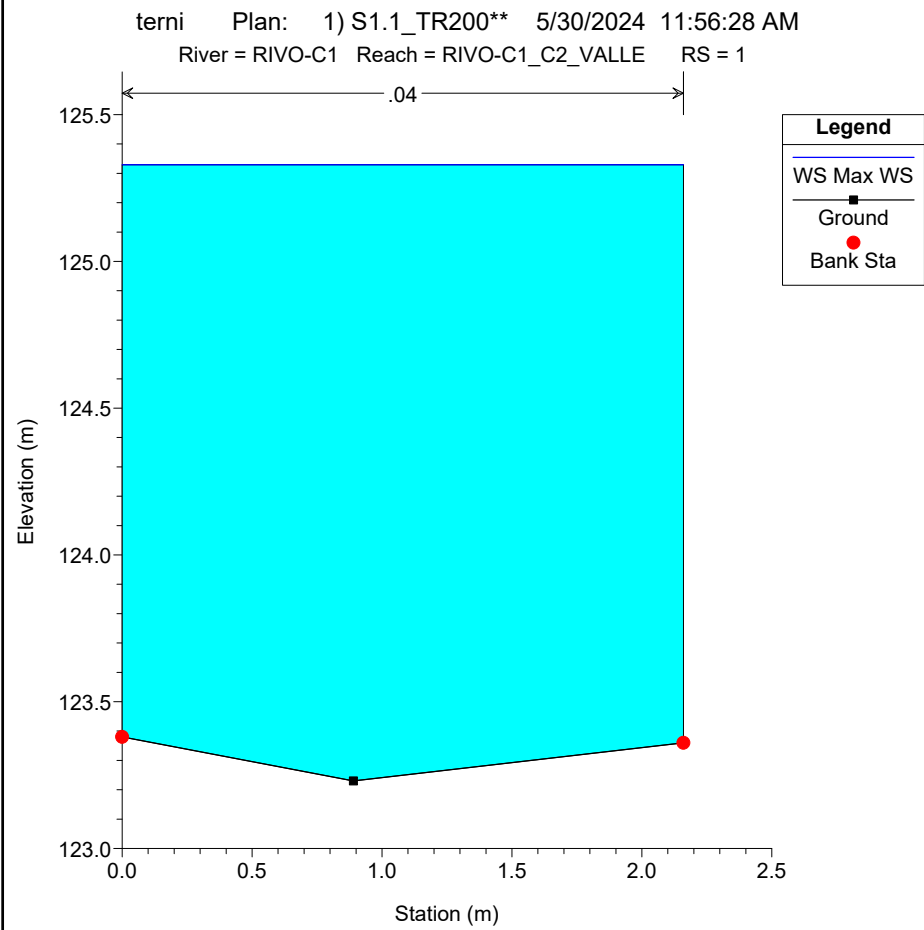
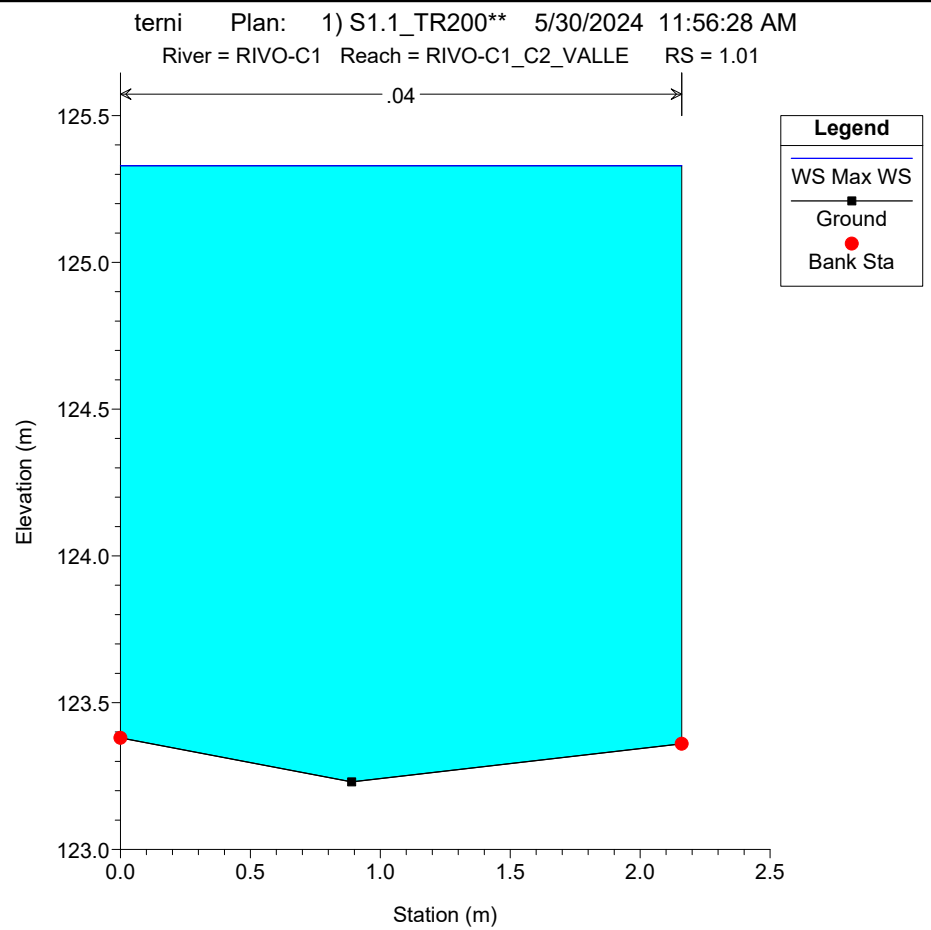
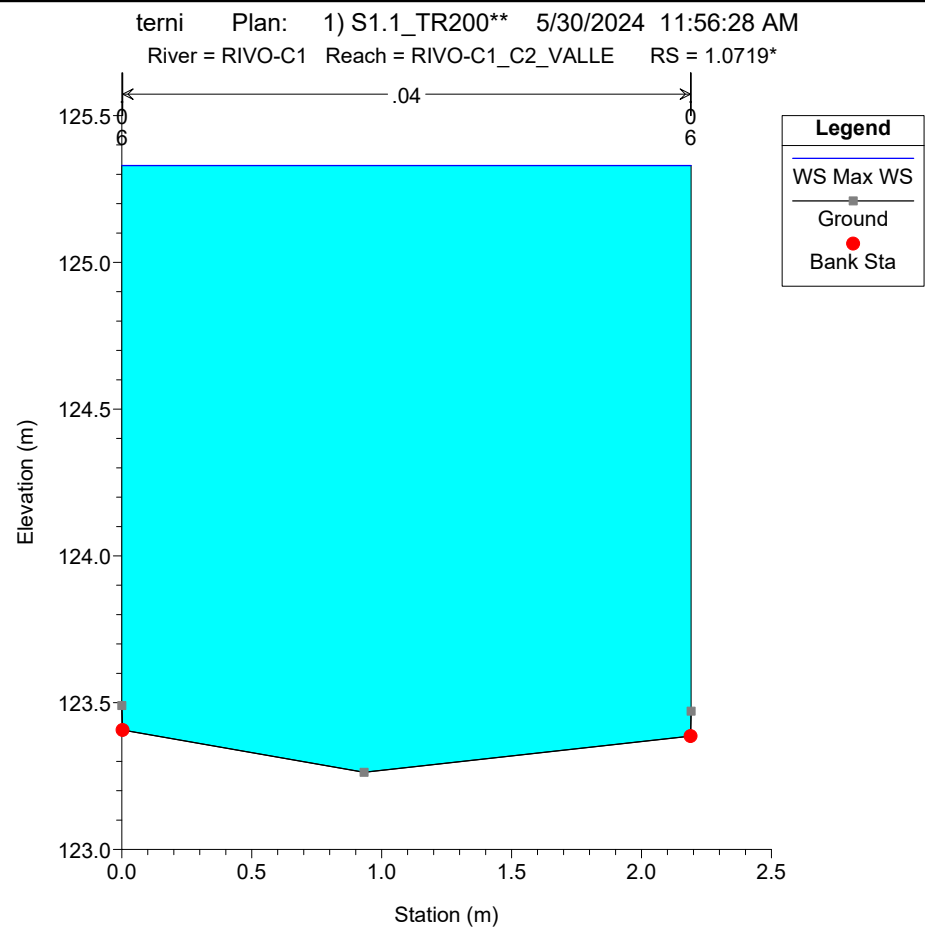
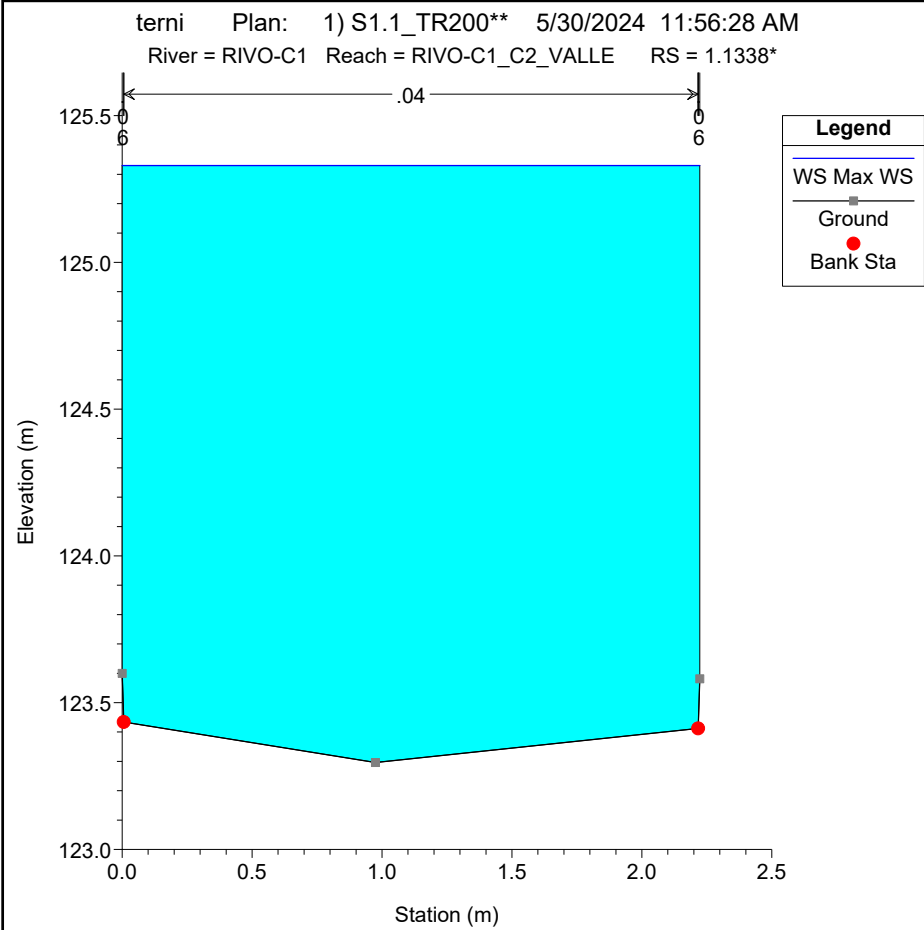












HEC-RAS Plan: S1 TR200** Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.58	128.16	129.53	129.51	130.06	0.013383	3.40	3.94	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.47	129.44	129.99	0.013245	3.40	3.95	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013088	3.39	3.96	3.96	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012879	3.37	3.97	3.94	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.57	127.90	129.28	129.24	129.80	0.012683	3.36	3.99	3.92	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.58	127.83	129.22	129.17	129.73	0.012474	3.35	4.00	3.89	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.58	127.77	129.16	129.10	129.67	0.012214	3.33	4.03	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.58	127.70	129.10	129.04	129.61	0.011954	3.32	4.05	3.83	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.59	127.63	129.05	128.97	129.55	0.011659	3.30	4.07	3.79	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.59	127.57	128.99	128.90	129.48	0.011321	3.27	4.10	3.76	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.59	127.50	128.94		129.42	0.010988	3.25	4.14	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.60	127.44	128.89		129.36	0.010595	3.22	4.17	3.68	0.87
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.60	127.37	128.84		129.31	0.010191	3.18	4.21	3.64	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.60	127.30	128.79		129.25	0.009743	3.15	4.26	3.59	0.83
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.60	127.24	128.75		129.20	0.009277	3.11	4.31	3.55	0.82
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.61	127.17	128.71		129.15	0.008785	3.06	4.37	3.50	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.61	127.10	128.67		129.10	0.008296	3.02	4.43	3.45	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.61	127.04	128.64		129.05	0.007795	2.97	4.50	3.40	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.62	126.97	128.61		129.01	0.007314	2.92	4.56	3.34	0.74
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.62	126.91	128.58		128.97	0.006833	2.87	4.63	3.25	0.72
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.62	126.84	128.55		128.93	0.006370	2.82	4.70	3.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.63	126.78	128.53		128.90	0.005946	2.77	4.76	3.07	0.67
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.63	126.71	128.51		128.86	0.005541	2.72	4.81	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.63	126.66	128.47		128.89	0.006420	2.94	4.40	2.75	0.70
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.64	126.61	128.43		128.93	0.007525	3.20	4.00	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.64	126.55	128.41		129.00	0.008757	3.47	3.64	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.64	126.50	128.40		129.10	0.009938	3.74	3.33	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.64	126.45	128.35		129.03	0.009963	3.70	3.35	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.65	126.39	128.30		128.97	0.010063	3.65	3.38	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.65	126.34	128.25		128.90	0.010161	3.61	3.40	2.06	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.66	126.28	128.20		128.84	0.010285	3.57	3.43	2.07	0.83
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.66	126.23	128.15		128.77	0.010395	3.53	3.45	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.67	126.17	128.10		128.71	0.010484	3.49	3.47	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.67	126.12	128.05		128.65	0.010602	3.45	3.50	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.68	126.07	128.00		128.58	0.010670	3.41	3.52	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.68	126.01	127.95		128.52	0.010767	3.38	3.54	2.09	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.69	125.96	127.90		128.46	0.010833	3.34	3.56	2.10	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.69	125.90	127.85		128.40	0.010905	3.31	3.59	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.69	125.85	127.80		128.33	0.010988	3.28	3.61	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.70	125.79	127.74		128.27	0.011019	3.24	3.63	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.70	125.74	127.69		128.21	0.011103	3.22	3.65	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.71	125.68	127.64		128.15	0.011157	3.19	3.67	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.71	125.63	127.59		128.09	0.011207	3.16	3.69	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.72	125.57	127.53		128.03	0.011263	3.13	3.71	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.72	125.52	127.48		127.96	0.011291	3.10	3.73	2.14	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.72	125.47	127.43		127.90	0.011360	3.08	3.75	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.73	125.41	127.37		127.84	0.011406	3.05	3.77	2.15	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.73	125.36	127.32		127.78	0.011441	3.03	3.79	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.74	125.30	127.26		127.72	0.011501	3.01	3.81	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.74	125.25	127.21		127.66	0.011518	2.98	3.82	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.74	125.19	127.15		127.60	0.011575	2.96	3.84	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.75	125.14	127.10		127.54	0.011606	2.94	3.86	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.75	125.09	127.04		127.48	0.011649	2.92	3.88	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.76	125.03	126.99		127.41	0.011716	2.90	3.89	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.76	124.98	126.93		127.35	0.011739	2.88	3.91	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.76	124.92	126.88		127.29	0.011803	2.86	3.92	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.77	124.87	126.82		127.23	0.011849	2.84	3.94	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.77	124.81	126.76		127.17	0.011902	2.83	3.95	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.78	124.76	126.71		127.11	0.011969	2.81	3.97	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.78	124.71	126.65		127.04	0.012023	2.80	3.98	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.78	124.65	126.59		126.98	0.012114	2.78	3.99	2.21	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.79	124.60	126.53		126.92	0.012184	2.77	4.00	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.79	124.54	126.47		126.86	0.012270	2.76	4.01	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.79	124.49	126.41		126.80	0.012388	2.75	4.02	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.80	124.43	126.35		126.73	0.012481	2.73	4.03	2.23	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.80	124.38	126.29		126.67	0.012630	2.73	4.04	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.80	124.32	126.23		126.60	0.012782	2.72	4.04	2.24	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.81	124.27	126.16		126.54	0.012969	2.71	4.04	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	10.81	124.22	126.10		126.47	0.013189	2.71	4.04	2.25	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	10.81	124.16	126.03		126.41	0.013411	2.71	4.04	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	10.82	124.11	125.97		126.34	0.013725	2.71	4.03	2.26	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	10.82	124.05	125.89		126.27	0.014078	2.71	4.01	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	10.82	124.00	125.82		126.20	0.014523	2.72	3.99	2.27	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	10.82	123.94	125.75		126.13	0.015084	2.74	3.97	2.28	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	10.82	123.89	125.67		126.05	0.015761	2.76	3.93	2.28	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	10.81	123.83	125.58		125.98	0.016588	2.79	3.89	2.29	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	10.80	123.78	125.48		125.89	0.021720	2.84	3.80	2.29	0.71
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	10.77	123.76	125.50		125.80	0.004586	2.43	4.52	2.66	0.59
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	10.76	123.73	125.48		125.78	0.004617	2.45	4.49	2.63	0.59
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	9.57	123.69	125.45		125.70	0.003686	2.19	4.46	2.60	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	9.57	123.66	125.43		125.68	0.003680	2.20	4.44	2.57	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	9.57	123.63	125.42		125.66	0.003675	2.21	4.42	2.54	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	9.57	123.59	125.40		125.65	0.003675	2.21	4.40	2.50	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	9.57	123.56	125.38		125.63	0.003678	2.22	4.37	2.47	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	9.57	123.53	125.36		125.61	0.003684	2.23	4.35	2.44	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	9.56	123.49	125.34		125.60	0.003688	2.24	4.32	2.41	0.53
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	9.56	123.46	125.32		125.58	0.003702	2.26	4.30	2.38	0.54
RIVO-C1	RIVO-C1_C2_VALLE	1											

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	32.57	159.20	161.18	161.47	162.15	0.025810	5.88	11.00	13.12	1.37
RIVO	RIVO	85.200*	Max WS	32.57	159.03	161.06	161.33	161.99	0.025189	5.79	11.13	13.13	1.33
RIVO	RIVO	85.100*	Max WS	32.57	158.87	160.94	161.20	161.83	0.024553	5.68	11.27	13.13	1.29
RIVO	RIVO	85	Max WS	32.56	158.71	160.82	161.06	161.66	0.023995	5.54	11.42	13.14	1.24
RIVO	RIVO	84.909*	Max WS	32.56	158.60	160.70	160.95	161.55	0.023853	5.58	11.36	12.75	1.25
RIVO	RIVO	84.818*	Max WS	32.56	158.49	160.59	160.84	161.45	0.023753	5.63	11.29	12.36	1.26
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	32.55	158.38	160.48	160.72	161.34	0.023630	5.68	11.21	11.97	1.27
RIVO	RIVO	84.636*	Max WS	32.55	158.26	160.37	160.61	161.24	0.023545	5.74	11.12	11.58	1.28
RIVO	RIVO	84.545*	Max WS	32.54	158.15	160.26	160.50	161.15	0.023542	5.81	11.01	11.19	1.29
RIVO	RIVO	84.455*	Max WS	32.54	158.04	160.14	160.40	161.06	0.023664	5.89	10.88	10.79	1.31
RIVO	RIVO	84.364*	Max WS	32.54	157.93	160.03	160.29	160.97	0.023866	5.99	10.73	10.40	1.33
RIVO	RIVO	84.273*	Max WS	32.53	157.82	159.92	160.18	160.90	0.024258	6.11	10.54	10.01	1.35
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	32.53	157.70	159.80	160.08	160.83	0.024904	6.27	10.32	9.62	1.39
RIVO	RIVO	84.091*	Max WS	32.53	157.59	159.68	159.98	160.78	0.025986	6.47	10.05	9.23	1.43
RIVO	RIVO	84	Max WS	32.53	157.48	159.55	159.89	160.75	0.027638	6.74	9.70	8.84	1.50
RIVO	RIVO	83.917*	Max WS	32.53	157.36	159.42	159.76	160.61	0.027518	6.70	9.74	8.98	1.49
RIVO	RIVO	83.833*	Max WS	32.53	157.23	159.28	159.62	160.47	0.027447	6.67	9.77	9.12	1.49
RIVO	RIVO	83.750*	Max WS	32.52	157.11	159.15	159.49	160.33	0.027373	6.63	9.81	9.26	1.49
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	32.52	156.99	159.01	159.35	160.19	0.027335	6.60	9.84	9.40	1.48
RIVO	RIVO	83.583*	Max WS	32.52	156.86	158.88	159.22	160.06	0.027411	6.59	9.85	9.54	1.48
RIVO	RIVO	83.500*	Max WS	32.52	156.74	158.75	159.09	159.93	0.027511	6.57	9.87	9.67	1.49
RIVO	RIVO	83.417*	Max WS	32.52	156.62	158.61	158.96	159.80	0.027713	6.56	9.87	9.81	1.49
RIVO	RIVO	83.333*	Max WS	32.51	156.49	158.47	158.83	159.68	0.028088	6.57	9.85	9.95	1.50
RIVO	RIVO	83.250*	Max WS	32.51	156.37	158.33	158.70	159.56	0.028279	6.60	9.80	10.09	1.51
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	32.51	156.25	158.19	158.56	159.45	0.029780	6.66	9.69	10.23	1.54
RIVO	RIVO	83.083*	Max WS	32.50	156.12	158.04	158.44	159.37	0.031536	6.79	9.52	10.37	1.58
RIVO	RIVO	83	Max WS	32.49	156.00	157.88	158.31	159.32	0.034709	7.01	9.20	10.51	1.65
RIVO	RIVO	82.889*	Max WS	32.47	155.89	157.72	158.12	159.04	0.032257	6.41	9.31	10.93	1.55
RIVO	RIVO	82.778*	Max WS	32.43	155.78	157.58	157.94	158.78	0.030236	5.92	9.46	11.35	1.46
RIVO	RIVO	82.667*	Max WS	32.47	155.67	157.45	157.77	158.54	0.028711	5.53	9.64	11.77	1.40
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	32.77	155.56	157.32	157.62	158.34	0.027986	5.26	9.84	12.18	1.36
RIVO	RIVO	82.444*	Max WS	32.94	155.44	157.19	157.47	158.15	0.027401	5.01	10.03	12.61	1.32
RIVO	RIVO	82.333*	Max WS	33.21	155.33	157.06	157.33	157.98	0.027474	4.84	10.18	13.02	1.31
RIVO	RIVO	82.222*	Max WS	33.51	155.22	156.94	157.20	157.83	0.028402	4.74	10.24	13.44	1.31
RIVO	RIVO	82.111*	Max WS	33.50	155.11	156.80	157.06	157.68	0.029819	4.66	10.19	13.86	1.32
RIVO	RIVO	82.1		Lat Struct									
RIVO	RIVO	82	Max WS	30.83	155.00	156.67	156.88	157.41	0.026640	4.23	10.15	14.28	1.23
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.900*	Max WS	28.86	154.86	156.55	156.70	157.18	0.021776	3.96	10.24	13.32	1.13
RIVO	RIVO	81.800*	Max WS	27.61	154.73	156.45	156.54	157.00	0.017708	3.74	10.50	12.37	1.03
RIVO	RIVO	81.700*	Max WS	26.86	154.59	156.37	156.39	156.86	0.014595	3.57	10.80	11.41	0.95
RIVO	RIVO	81.69		Lat Struct									
RIVO	RIVO	81.600*	Max WS	26.82	154.46	156.31		156.77	0.012817	3.54	11.04	10.46	0.91
RIVO	RIVO	81.500*	Max WS	26.80	154.32	156.29	155.89	156.57	0.004959	2.52	13.46	9.50	0.60
RIVO	RIVO	81.49		Ini Struct									
RIVO	RIVO	81.400*	Max WS	26.79	154.18	156.04	156.06	156.64	0.015437	4.09	9.81	8.54	1.02
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	26.78	154.05	155.97	155.99	156.62	0.015858	4.35	9.45	7.59	1.05
RIVO	RIVO	81.200*	Max WS	26.78	153.91	155.88	155.94	156.65	0.017601	4.80	8.85	6.63	1.13
RIVO	RIVO	81.100*	Max WS	26.67	153.78	155.78	155.93	156.78	0.021603	5.55	7.99	5.68	1.28
RIVO	RIVO	81	Max WS	26.67	153.64	155.65	156.00	157.14	0.031808	6.98	6.81	4.72	1.59
RIVO	RIVO	80.923*	Max WS	26.67	153.53	155.50	155.82	156.85	0.030104	6.68	7.09	5.16	1.54
RIVO	RIVO	80.846*	Max WS	26.79	153.42	155.36	155.65	156.60	0.028955	6.46	7.36	5.59	1.50
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	27.05	153.31	155.22	155.50	156.40	0.028413	6.31	7.61	6.03	1.48
RIVO	RIVO	80.692*	Max WS	27.05	153.20	155.09	155.36	156.20	0.027581	6.14	7.83	6.46	1.45
RIVO	RIVO	80.615*	Max WS	26.70	153.09	154.96	155.20	155.98	0.026102	5.91	8.05	6.90	1.40
RIVO	RIVO	80.538*	Max WS	26.57	152.98	154.84	155.06	155.80	0.025020	5.74	8.29	7.33	1.37
RIVO	RIVO	80.462*	Max WS	26.91	152.87	154.72	154.95	155.66	0.024856	5.68	8.51	7.77	1.36
RIVO	RIVO	80.385*	Max WS	27.25	152.76	154.60	154.83	155.53	0.024938	5.64	8.71	8.20	1.36
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	27.21	152.65	154.48	154.71	155.38	0.024401	5.54	8.90	8.64	1.34
RIVO	RIVO	80.231*	Max WS	27.18	152.54	154.36	154.59	155.23	0.023941	5.45	9.08	9.07	1.32
RIVO	RIVO	80.154*	Max WS	26.66	152.43	154.26	154.46	155.06	0.022361	5.25	9.29	9.51	1.28
RIVO	RIVO	80.077*	Max WS	26.95	152.32	154.15	154.35	154.94	0.022134	5.20	9.51	9.94	1.27
RIVO	RIVO	80	Max WS	27.61	152.21	154.03	154.29	155.05	0.026714	5.67	8.29	7.74	1.39
RIVO	RIVO	79.875*	Max WS	27.64	152.06	153.93	154.12	154.72	0.021247	5.20	9.77	9.93	1.25
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	27.58	151.91	153.84	153.99	154.58	0.018610	5.02	10.06	9.49	1.18
RIVO	RIVO	79.625*	Max WS	27.53	151.76	153.76	153.86	154.45	0.016146	4.84	10.38	9.04	1.12
RIVO	RIVO	79.500*	Max WS	27.48	151.61	153.69	153.74	154.34	0.013911	4.66	10.73	8.59	1.05
RIVO	RIVO	79.375*	Max WS	27.41	151.46	153.65	153.61	154.24	0.011830	4.48	11.14	8.14	0.98
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	26.95	151.31	153.62		154.15	0.009698	4.23	11.60	7.69	0.90
RIVO	RIVO	79.125*	Max WS	27.13	151.16	153.59		154.10	0.008615	4.15	11.92	7.25	0.86
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	27.63	151.01	153.52		154.07	0.008456	4.23	11.92	6.80	0.85
RIVO	RIVO	78.500*	Max WS	28.18	150.90	153.58		153.96	0.005477	3.51	14.03	7.21	0.69
RIVO	RIVO	78	Max WS	28.16	150.76	153.63		153.90	0.003665	2.91	16.20	7.63	0.56
RIVO	RIVO	77.500*	Max WS	27.82	150.73	153.68		153.87	0.002836	2.68	20.22	11.20	0.50
RIVO	RIVO	77	Max WS	27.48	150.69	153.72		153.85	0.002346	2.53	24.12	14.77	0.46
RIVO	RIVO	76.750*	Max WS	26.86	150.72	153.71		153.84	0.002441	2.56	22.91	13.39	0.47
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	26.17	150.74	153.70		153.84	0.002564	2.60	21.55	12.00	0.48
RIVO	RIVO	76.250*	Max WS	25.37	150.77	153.69		153.83	0.002726	2.66	20.04	10.62	0.50
RIVO	RIVO	76.05		Lat Struct									

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO	75	Max WS	21.84	150.20	153.68		153.81	0.001330	2.07	19.51	7.28	0.36
RIVO	RIVO	74.669	Lat Struct										
RIVO	RIVO	74.668	Lat Struct										
RIVO	RIVO	74.667*	Max WS	20.73	150.12	153.71		153.80	0.000939	1.78	21.46	7.70	0.30
RIVO	RIVO	74.333*	Max WS	19.37	150.05	153.73		153.79	0.000654	1.51	23.45	8.11	0.25
RIVO	RIVO	74	Max WS	17.89	149.97	153.74	151.59	153.79	0.000451	1.28	25.50	8.53	0.21
RIVO	RIVO	73.50 Strada Vicinale	Bridge										
RIVO	RIVO	73	Max WS	16.84	149.54	152.69		152.76	0.000477	1.17	14.56	4.69	0.21
RIVO	RIVO	72.63	Lat Struct										
RIVO	RIVO	72.5	Lat Struct										
RIVO	RIVO	72	Max WS	17.15	149.54	152.68	150.68	152.75	0.000496	1.19	14.57	4.71	0.21
RIVO	RIVO	71.50 Strada Vicinale	Bridge										
RIVO	RIVO	71	Max WS	17.15	149.21	152.56		152.64	0.000499	1.20	14.65	4.70	0.22
RIVO	RIVO	70.6	Lat Struct										
RIVO	RIVO	70.5	Lat Struct										
RIVO	RIVO	70	Max WS	17.67	149.00	152.60		152.62	0.000205	0.80	43.10	22.11	0.14
RIVO	RIVO	69.936	Lat Struct										
RIVO	RIVO	69.834	Lat Struct										
RIVO	RIVO	69.833*	Max WS	17.84	148.95	152.60		152.62	0.000161	0.72	44.24	22.19	0.12
RIVO	RIVO	69.667*	Max WS	18.02	148.90	152.60		152.61	0.000126	0.65	45.71	22.28	0.11
RIVO	RIVO	69.500*	Max WS	18.20	148.85	152.60		152.61	0.000098	0.59	47.53	22.36	0.10
RIVO	RIVO	69.333*	Max WS	18.35	148.80	152.60		152.61	0.000076	0.53	49.70	22.44	0.09
RIVO	RIVO	69	Max WS	18.59	148.68	152.60	149.39	152.61	0.000046	0.42	55.04	22.61	0.07
RIVO	RIVO	68.50 Strada Vicinale	Bridge										
RIVO	RIVO	68	Max WS	18.59	148.30	152.54		152.56	0.000065	0.53	50.04	19.69	0.08
RIVO	RIVO	67.6	Lat Struct										
RIVO	RIVO	67.5	Lat Struct										
RIVO	RIVO	67	Max WS	24.07	147.90	152.41	149.97	152.61	0.000882	2.01	12.77	32.00	0.30
RIVO	RIVO	66.50 Ferrovia	Bridge										
RIVO	RIVO	66	Max WS	24.07	147.32	148.92	149.56	151.10	0.041552	6.54	3.68	4.12	1.73
RIVO	RIVO	65.931	Lat Struct										
RIVO	RIVO	65.930	Lat Struct										
RIVO	RIVO	65.929*	Max WS	24.05	147.19	148.76	149.08	150.12	0.027168	5.28	5.33	5.11	1.40
RIVO	RIVO	65.857*	Max WS	24.06	147.06	148.63	149.03	149.95	0.025848	5.19	5.53	6.11	1.37
RIVO	RIVO	65.786*	Max WS	24.05	146.93	148.52	148.91	149.77	0.024158	5.07	5.77	7.11	1.33
RIVO	RIVO	65.714*	Max WS	24.05	146.79	148.41	148.77	149.58	0.022118	4.92	6.09	8.12	1.27
RIVO	RIVO	65.643*	Max WS	24.05	146.66	148.31	148.64	149.38	0.019648	4.73	6.53	9.13	1.21
RIVO	RIVO	65.571*	Max WS	24.04	146.53	148.22	148.51	149.18	0.016927	4.49	7.15	10.50	1.13
RIVO	RIVO	65.506	Lat Struct										
RIVO	RIVO	65.501	Lat Struct										
RIVO	RIVO	65.500*	Max WS	24.01	146.40	148.15	148.38	148.96	0.013931	4.19	8.03	11.68	1.03
RIVO	RIVO	65.429*	Max WS	23.97	146.27	148.09	148.25	148.76	0.011004	3.85	9.20	12.89	0.92
RIVO	RIVO	65.357*	Max WS	23.90	146.14	148.05	148.12	148.57	0.008376	3.48	10.69	14.12	0.81
RIVO	RIVO	65.286*	Max WS	23.81	146.01	148.01	147.98	148.41	0.006170	3.10	12.55	15.38	0.70
RIVO	RIVO	65.214*	Max WS	23.66	145.87	148.04		148.30	0.003957	2.61	15.54	16.74	0.57
RIVO	RIVO	65.143*	Max WS	23.46	145.74	148.07		148.24	0.002481	2.18	19.16	18.13	0.46
RIVO	RIVO	65.076	Lat Struct										
RIVO	RIVO	65.075	Lat Struct										
RIVO	RIVO	65.071*	Max WS	23.23	145.60	148.10		148.21	0.001632	1.85	22.94	19.50	0.38
RIVO	RIVO	65	Max WS	22.99	145.46	148.11	147.13	148.19	0.001113	1.60	26.91	20.85	0.31
RIVO	RIVO	64.50 Passarella Pedon	Bridge										
RIVO	RIVO	64	Max WS	22.99	145.29	146.85	147.10	147.97	0.020480	4.77	5.49	4.89	1.23
RIVO	RIVO	63.940	Lat Struct										
RIVO	RIVO	63.939	Lat Struct										
RIVO	RIVO	63.938*	Max WS	23.07	145.19	146.75	147.25	147.88	0.020605	4.79	5.53	5.04	1.23
RIVO	RIVO	63.875*	Max WS	23.14	145.09	146.65	147.15	147.79	0.020618	4.80	5.56	5.08	1.23
RIVO	RIVO	63.813*	Max WS	23.20	144.99	146.55	147.04	147.69	0.020612	4.80	5.59	5.12	1.23
RIVO	RIVO	63.750*	Max WS	23.25	144.89	146.45	146.95	147.59	0.020611	4.81	5.62	5.16	1.23
RIVO	RIVO	63.688*	Max WS	23.31	144.79	146.35	146.84	147.49	0.020587	4.81	5.65	5.20	1.23
RIVO	RIVO	63.625*	Max WS	23.36	144.69	146.26	146.75	147.39	0.020562	4.81	5.68	5.23	1.23
RIVO	RIVO	63.566	Lat Struct										
RIVO	RIVO	63.565	Lat Struct										
RIVO	RIVO	63.563*	Max WS	23.40	144.59	146.16	146.65	147.29	0.020538	4.81	5.71	5.27	1.23
RIVO	RIVO	63.500*	Max WS	23.43	144.50	146.06	146.54	147.19	0.020502	4.81	5.73	5.31	1.23
RIVO	RIVO	63.438*	Max WS	23.46	144.40	145.96	146.44	147.09	0.020446	4.81	5.76	5.38	1.23
RIVO	RIVO	63.375*	Max WS	23.46	144.30	145.86	146.34	146.99	0.020422	4.81	5.80	5.83	1.23
RIVO	RIVO	63.313*	Max WS	23.46	144.20	145.76	146.24	146.89	0.020387	4.81	5.84	6.34	1.23
RIVO	RIVO	63.250*	Max WS	23.46	144.10	145.67	146.14	146.79	0.020296	4.80	5.88	6.79	1.23
RIVO	RIVO	63.190	Lat Struct										
RIVO	RIVO	63.189	Lat Struct										
RIVO	RIVO	63.188*	Max WS	23.46	144.00	145.57	146.04	146.69	0.020170	4.79	5.94	7.28	1.22
RIVO	RIVO	63.125*	Max WS	23.46	143.90	145.47	145.93	146.59	0.020032	4.78	6.00	7.79	1.22
RIVO	RIVO	63.063*	Max WS	23.46	143.80	145.38	145.83	146.48	0.019833	4.77	6.07	8.27	1.21
RIVO	RIVO	63	Max WS	23.47	143.70	145.28	145.73	146.38	0.019629	4.75	6.15	8.80	1.21
RIVO	RIVO	62.952*	Max WS	23.49	143.59	145.19	145.63	146.28	0.019390	4.75	6.25	8.81	1.20
RIVO	RIVO	62.905*	Max WS	23.50	143.48	145.10	145.54	146.18	0.019092	4.75	6.36	8.91	1.19
RIVO	RIVO	62.859	Lat Struct										
RIVO	RIVO	62.858	Lat Struct										
RIVO	RIVO	62.857*	Max WS	23.50	143.37	145.01	145.44	146.07	0.018713	4.74	6.48	9.07	1.18
RIVO	RIVO	62.810*	Max WS	23.49	143.27	144.92	145.34	145.97	0.018293	4.72	6.62	9.34	1.17
RIVO	RIVO	62.762*	Max WS	23.49	143.16	144.83	145.23	145.86	0.017788	4.69	6.79	9.69	1.16
RIVO	RIVO	62.714*	Max WS	23.49	143.05	144.75	145.13	145.75	0.017222	4.66	6.98	10.17	1.14
RIVO	RIVO	62.667*	Max WS	23.49	142.94	144.67	145.03	145.64	0.016560	4.62	7.21	10.84	1.12
RIVO	RIVO	62.619*	Max WS	23.49	142.83	144.59	144.45	145.53	0.015823	4.57	7.48	11.63	1.10
RIVO	RIVO	62.573	Lat Struct										
RIVO	RIVO	62.572	Lat Struct										
RIVO	RIVO	62.571*	Max WS	23.49	142.72	144.52	144.39	145.42	0.014987	4.50	7.81	12.60	1.08
RIVO	RIVO	62.524*	Max WS	23.49	142.61	144.45	144.28	145.30	0.014047	4.42	8.23	13.80	1.04
RIVO	RIVO	62.476*	Max WS	23.49	142.51	144.38	144.18	145.17	0.012904	4.30	8.73	14.25	1.01
RIVO	RIVO	62.429*	Max WS	23.49	142.40	144.32	144.09	145.04	0.011585	4.15	9.29	13.75	0.96
RIVO	RIVO	62.381*	Max WS	23.48	142.29	144.27	144.02	144.91	0.010288	3.98	9.89	13.28	0.91
RIVO	RIVO	62.333*	Max WS	23.46	142.18	144.23	143.91	144.79	0.009037	3.81	10.51	12.87	0.85
RIVO	RIVO	62.288	Lat Struct										
RIVO	RIVO	62.287	Lat Struct										
RIVO	RIVO	62.286*	Max WS	23.40	142.07	144.19	143.79	144.70	0.008029	3.67	11.21	13.36	0.81
RIVO	RIVO	62.238*	Max WS	23.32	141.96	144.16	143.68	144.61	0.006856	3.47	12.27	14.59	0.75
RIVO	RIVO	62.190*	Max WS	23.19	141.85	144.17		144.51	0.005175	3.12	13.62	13.33	0.66
RIVO	RIVO	62.143*	Max WS	23.00	141.75	144.18		144.45	0.004028	2.85	14.68	12.06	0.59
RIVO	RIVO	62.095*	Max WS	22.72	141.64	144.19		144.42	0.003296	2.66	15.32	10.79	0.53
RIVO	RIVO	62.048*	Max WS	22.39	141.53	144.19		144.40	0.002846	2.54	15.54	9.53	0.50
RIVO	RIVO	62.03	Lat Struct										
RIVO	RIVO	62.02	Lat Struct										
RIVO	RIVO	62	Max WS	21.90	141.42	144.19		144.39	0.002533	2.46	15.40	8.26	0.47
RIVO	RIVO	61.667*	Max WS	21.36	141.27	144.20		144.38	0.002241	2.39	15.74	7.80	0.45
RIVO	RIVO	61.333*	Max WS	20.77	141.11	144.20		144.37	0.002042	2.35	15.91	7.34	0.43

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO	61	Max WS	20.05	140.94	144.21	143.10		0.001903	2.32	15.91	6.88	0.42
RIVO	RIVO	60.50	Via dei Colombi	Bridge									
RIVO	RIVO	60	Max WS	20.05	140.99	143.02	142.99	143.77	0.009590	3.91	6.30	6.36	0.88
RIVO	RIVO	59.670		Lat Struct									
RIVO	RIVO	59.668		Lat Struct									
RIVO	RIVO	59.667*	Max WS	20.08	140.87	142.98	142.74	143.68	0.008581	3.79	6.45	5.71	0.84
RIVO	RIVO	59.333*	Max WS	20.12	140.74	142.95	142.64	143.61	0.007743	3.68	6.61	5.05	0.80
RIVO	RIVO	59	Max WS	20.19	140.62	142.92		143.55	0.007059	3.59	6.78	4.40	0.76
RIVO	RIVO	58.833*	Max WS	20.23	140.53	142.89		143.47	0.006192	3.44	7.36	4.54	0.72
RIVO	RIVO	58.667*	Max WS	20.46	140.43	142.88		143.40	0.005353	3.29	8.07	4.68	0.68
RIVO	RIVO	58.500*	Max WS	20.82	140.34	142.88		143.34	0.004607	3.14	8.90	4.82	0.63
RIVO	RIVO	58.335		Lat Struct									
RIVO	RIVO	58.334		Lat Struct									
RIVO	RIVO	58.333*	Max WS	20.95	140.25	142.90		143.29	0.003744	2.92	9.92	4.97	0.57
RIVO	RIVO	58.167*	Max WS	20.21	140.14	142.97		143.25	0.002639	2.56	11.24	5.11	0.49
RIVO	RIVO	58	Max WS	18.82	140.02	143.04	141.92	143.24	0.001728	2.15	12.70	5.25	0.40
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	18.81	139.79	141.85	141.97	143.01	0.014962	4.82	4.40	2.53	1.09
RIVO	RIVO	56.805		Lat Struct									
RIVO	RIVO	56.802		Lat Struct									
RIVO	RIVO	56.800*	Max WS	19.33	139.74	141.79	141.93	142.98	0.015306	4.88	4.49	2.60	1.10
RIVO	RIVO	56.600*	Max WS	19.71	139.69	141.72	141.87	142.93	0.015442	4.90	4.53	2.66	1.11
RIVO	RIVO	56.400*	Max WS	19.93	139.64	141.66	141.80	142.85	0.015336	4.88	4.57	2.73	1.11
RIVO	RIVO	56.200*	Max WS	20.06	139.59	141.59	141.72	142.77	0.015106	4.84	4.61	2.79	1.10
RIVO	RIVO	56	Max WS	20.17	139.54	141.53	141.65	142.68	0.014840	4.79	4.66	2.86	1.09
RIVO	RIVO	55.909*	Max WS	20.23	139.44	141.46	141.57	142.61	0.014439	4.78	4.71	2.83	1.08
RIVO	RIVO	55.820		Lat Struct									
RIVO	RIVO	55.819		Lat Struct									
RIVO	RIVO	55.818*	Max WS	20.19	139.33	141.39	141.48	142.52	0.013873	4.75	4.76	2.81	1.06
RIVO	RIVO	55.727*	Max WS	20.14	139.22	141.32	141.39	142.43	0.013268	4.70	4.83	2.79	1.04
RIVO	RIVO	55.636*	Max WS	20.07	139.12	141.26	141.30	142.34	0.012627	4.65	4.90	2.78	1.02
RIVO	RIVO	55.545*	Max WS	20.14	139.01	141.20	141.22	142.27	0.012156	4.63	4.97	2.78	1.00
RIVO	RIVO	55.455*	Max WS	20.27	138.91	141.14	141.14	142.21	0.011740	4.62	5.06	2.79	0.99
RIVO	RIVO	55.364*	Max WS	20.46	138.80	141.09	141.08	142.15	0.011402	4.62	5.15	2.81	0.98
RIVO	RIVO	55.276		Lat Struct									
RIVO	RIVO	55.274		Lat Struct									
RIVO	RIVO	55.273*	Max WS	20.80	138.70	141.03	141.03	142.11	0.011226	4.65	5.25	2.82	0.97
RIVO	RIVO	55.182*	Max WS	21.04	138.59	140.98	140.96	142.06	0.010940	4.66	5.35	2.81	0.96
RIVO	RIVO	55.091*	Max WS	20.71	138.49	140.93	140.84	141.95	0.010075	4.54	5.47	2.79	0.93
RIVO	RIVO	55	Max WS	19.06	138.38	140.88		141.73	0.008082	4.13	5.60	2.78	0.84
RIVO	RIVO	54.909*	Max WS	18.91	138.31	140.85		141.68	0.007826	4.10	5.58	2.75	0.82
RIVO	RIVO	54.818*	Max WS	18.83	138.25	140.82		141.65	0.007646	4.09	5.57	2.72	0.82
RIVO	RIVO	54.729		Lat Struct									
RIVO	RIVO	54.728		Lat Struct									
RIVO	RIVO	54.727*	Max WS	18.88	138.18	140.79		141.60	0.007406	4.06	5.55	2.68	0.81
RIVO	RIVO	54.636*	Max WS	18.55	138.12	140.76		141.56	0.007163	4.03	5.55	2.65	0.79
RIVO	RIVO	54.545*	Max WS	18.93	138.05	140.71		141.56	0.007511	4.15	5.49	2.62	0.81
RIVO	RIVO	54.455*	Max WS	19.58	137.99	140.66	140.42	141.59	0.008055	4.32	5.44	2.59	0.84
RIVO	RIVO	54.364*	Max WS	20.22	137.92	140.62	140.44	141.63	0.008576	4.48	5.39	2.56	0.87
RIVO	RIVO	54.273*	Max WS	19.87	137.86	140.58	140.37	141.56	0.008265	4.43	5.35	2.52	0.86
RIVO	RIVO	54.184		Lat Struct									
RIVO	RIVO	54.183		Lat Struct									
RIVO	RIVO	54.182*	Max WS	19.09	137.79	140.55		141.46	0.007611	4.27	5.31	2.49	0.82
RIVO	RIVO	54.091*	Max WS	18.99	137.73	140.51		141.42	0.007492	4.27	5.27	2.46	0.82
RIVO	RIVO	54	Max WS	19.74	137.66	140.47	140.24	141.47	0.008079	4.46	5.23	2.43	0.85
RIVO	RIVO	53.900*	Max WS	19.94	137.58	140.46		141.39	0.007216	4.29	5.42	2.45	0.81
RIVO	RIVO	53.800*	Max WS	20.15	137.50	140.46		141.31	0.006452	4.12	5.62	2.47	0.77
RIVO	RIVO	53.700*	Max WS	20.35	137.43	140.46		141.25	0.005739	3.96	5.84	2.50	0.73
RIVO	RIVO	53.600*	Max WS	20.53	137.35	140.47		141.20	0.005071	3.79	6.09	2.52	0.69
RIVO	RIVO	53.500*	Max WS	20.55	137.27	140.49		141.14	0.004374	3.59	6.37	2.54	0.64
RIVO	RIVO	53.400*	Max WS	20.55	137.19	140.53		141.11	0.003724	3.39	6.71	2.56	0.59
RIVO	RIVO	53.300*	Max WS	20.33	137.11	140.58		141.08	0.003073	3.16	7.09	2.58	0.54
RIVO	RIVO	53.200*	Max WS	20.06	137.04	140.63		141.07	0.002529	2.94	7.49	2.61	0.50
RIVO	RIVO	53.100*	Max WS	19.76	136.96	140.68		141.06	0.002084	2.73	7.89	2.63	0.45
RIVO	RIVO	53	Max WS	19.41	136.88	140.73		141.06	0.001724	2.54	8.30	2.65	0.41
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	19.41	136.37	138.36	138.59	139.68	0.018943	5.08	3.82	3.45	1.19
RIVO	RIVO	51.755		Lat Struct									
RIVO	RIVO	51.751		Lat Struct									
RIVO	RIVO	51.750*	Max WS	19.59	136.26	138.28	138.35	139.16	0.013220	4.31	5.72	4.24	1.00
RIVO	RIVO	51.500*	Max WS	19.65	136.15	138.22	138.30	139.02	0.011774	4.18	6.32	5.42	0.95
RIVO	RIVO	51.250*	Max WS	19.65	136.04	138.17	138.24	138.88	0.010273	4.01	7.27	7.92	0.90
RIVO	RIVO	51	Max WS	19.65	135.93	138.13	138.18	138.55	0.006753	3.35	11.08	17.18	0.74
RIVO	RIVO	50.800*	Max WS	19.65	135.82	138.09	138.17	138.55	0.006423	3.36	10.66	17.23	0.72
RIVO	RIVO	50.600*	Max WS	19.65	135.70	138.07	138.12	138.52	0.005822	3.28	10.45	16.89	0.69
RIVO	RIVO	50.403		Lat Struct									
RIVO	RIVO	50.402		Lat Struct									
RIVO	RIVO	50.400*	Max WS	19.65	135.59	138.05	137.78	138.44	0.004774	3.05	10.76	14.41	0.63
RIVO	RIVO	50.200*	Max WS	19.65	135.47	138.05		138.38	0.003731	2.78	11.66	13.44	0.56
RIVO	RIVO	50	Max WS	19.65	135.36	138.06	137.34	138.33	0.002860	2.52	12.87	13.07	0.49
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	21.70	135.23	137.53	137.49	138.30	0.010989	4.41	8.02	7.16	0.94
RIVO	RIVO	48.835		Lat Struct									
RIVO	RIVO	48.834		Lat Struct									
RIVO	RIVO	48.833*	Max WS	19.65	135.16	137.50	137.31	138.06	0.007687	3.75	8.38	7.11	0.79
RIVO	RIVO	48.667*	Max WS	19.65	135.09	137.49		137.98	0.006351	3.48	8.89	7.10	0.73
RIVO	RIVO	48.500*	Max WS	19.65	135.02	137.49		137.91	0.005193	3.22	9.50	7.10	0.66
RIVO	RIVO	48.333*	Max WS	19.65	134.96	137.49		137.87	0.004482	3.05	10.11	8.31	0.62
RIVO	RIVO	48.167*	Max WS	19.65	134.89	137.49		137.83	0.003816	2.87	10.92	10.05	0.57
RIVO	RIVO	48	Max WS	19.65	134.82	137.49		137.80	0.003184	2.68	12.03	12.26	0.53
RIVO	RIVO	47.835		Lat Struct									
RIVO	RIVO	47.834		Lat Struct									
RIVO	RIVO	47.833*	Max WS	19.65	134.82	137.49		137.78	0.003135	2.65	13.15	16.46	0.52
RIVO	RIVO	47.667*	Max WS	19.65	134.81	137.49		137.75	0.002892	2.55	15.02	21.99	0.50
RIVO	RIVO	47.500*	Max WS	19.65	134.81	137.51		137.71	0.002391	2.33	17.64	23.86	0.46
RIVO	RIVO	47.333*	Max WS	19.65	134.81	137.53		137.67	0.001927	2.09	20.60	25.74	0.41
RIVO	RIVO	47.167*	Max WS	19.65	134.80	137.54		137.65	0.001539	1.87	23.82	27.61	0.37
RIVO	RIVO	47	Max WS	19.65	134.80	137.55	136.75	137.63	0.001222	1.67	27.29	29.48	0.33
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	19.65	134.50	136.34	136.51	137.22	0.014277	4.49	6.29	5.81	1.06
RIVO	RIVO	45.755		Lat Struct									
RIVO	RIVO	45.752		Lat Struct									
RIVO	RIVO	45.750*	Max WS	15.94	133.98	136.29	</						

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO	45	Max WS	15.81	133.91	136.28		136.60	0.003847	2.72	8.52	6.04	0.57
RIVO	RIVO	44.966*	Max WS	15.80	133.88	136.29		136.59	0.003600	2.66	8.84	6.33	0.55
RIVO	RIVO	44.931*	Max WS	15.80	133.86	136.30		136.58	0.003387	2.60	9.15	6.60	0.54
RIVO	RIVO	44.897*	Max WS	15.80	133.83	136.30		136.58	0.003205	2.55	9.44	6.88	0.52
RIVO	RIVO	44.862*	Max WS	15.79	133.81	136.31		136.57	0.003042	2.50	9.71	7.14	0.51
RIVO	RIVO	44.828*	Max WS	15.79	133.78	136.31		136.56	0.002901	2.46	9.96	7.41	0.50
RIVO	RIVO	44.793*	Max WS	15.79	133.76	136.31		136.56	0.002775	2.43	10.21	7.66	0.49
RIVO	RIVO	44.759*	Max WS	15.66	133.73	136.32		136.55	0.002623	2.38	10.43	7.91	0.48
RIVO	RIVO	44.724*	Max WS	15.65	133.70	136.32		136.54	0.002519	2.35	10.65	8.15	0.47
RIVO	RIVO	44.690*	Max WS	15.64	133.68	136.32		136.54	0.002425	2.32	10.85	8.39	0.46
RIVO	RIVO	44.655*	Max WS	15.62	133.65	136.32		136.53	0.002337	2.29	11.05	8.62	0.45
RIVO	RIVO	44.623		Lat Struct									
RIVO	RIVO	44.622		Lat Struct									
RIVO	RIVO	44.621*	Max WS	15.61	133.63	136.32		136.53	0.002258	2.27	11.23	8.83	0.45
RIVO	RIVO	44.586*	Max WS	15.60	133.60	136.32		136.53	0.002184	2.25	11.41	9.03	0.44
RIVO	RIVO	44.552*	Max WS	15.58	133.57	136.32		136.52	0.002113	2.22	11.58	9.21	0.43
RIVO	RIVO	44.517*	Max WS	15.57	133.55	136.33		136.52	0.002046	2.20	11.75	9.35	0.43
RIVO	RIVO	44.502		Lat Struct									
RIVO	RIVO	44.483*	Max WS	15.55	133.52	136.33		136.52	0.001980	2.18	11.91	9.45	0.42
RIVO	RIVO	44.448*	Max WS	15.54	133.50	136.33		136.51	0.001939	2.17	12.07	9.81	0.42
RIVO	RIVO	44.414*	Max WS	15.52	133.47	136.33		136.51	0.001895	2.16	12.24	10.18	0.41
RIVO	RIVO	44.379*	Max WS	15.51	133.44	136.33		136.51	0.001847	2.14	12.42	10.52	0.41
RIVO	RIVO	44.345*	Max WS	15.49	133.42	136.33		136.51	0.001798	2.13	12.61	10.83	0.40
RIVO	RIVO	44.310*	Max WS	15.47	133.39	136.33		136.50	0.001738	2.11	12.83	11.01	0.40
RIVO	RIVO	44.276*	Max WS	15.46	133.37	136.33		136.50	0.001677	2.08	13.06	11.17	0.39
RIVO	RIVO	44.241*	Max WS	15.44	133.34	136.33		136.50	0.001614	2.05	13.30	11.28	0.38
RIVO	RIVO	44.207*	Max WS	15.42	133.32	136.33		136.49	0.001550	2.02	13.57	11.36	0.38
RIVO	RIVO	44.172*	Max WS	15.41	133.29	136.34		136.49	0.001482	1.99	13.86	11.39	0.37
RIVO	RIVO	44.138*	Max WS	15.39	133.26	136.34		136.49	0.001423	1.96	14.17	11.61	0.36
RIVO	RIVO	44.103*	Max WS	15.37	133.24	136.34		136.48	0.001368	1.94	14.48	11.89	0.35
RIVO	RIVO	44.069*	Max WS	15.36	133.21	136.34		136.48	0.001315	1.91	14.80	12.17	0.35
RIVO	RIVO	44.034*	Max WS	15.34	133.19	136.34		136.48	0.001264	1.88	15.11	12.44	0.34
RIVO	RIVO	44	Max WS	15.32	133.16	136.35		136.47	0.001215	1.86	15.45	12.71	0.34
RIVO	RIVO	43.6685		Lat Struct									
RIVO	RIVO	43.668		Lat Struct									
RIVO	RIVO	43.667*	Max WS	15.24	133.11	136.35		136.46	0.001038	1.71	17.62	18.99	0.31
RIVO	RIVO	43.334		Lat Struct									
RIVO	RIVO	43.333*	Max WS	15.15	133.06	136.37		136.44	0.000735	1.43	19.78	14.82	0.25
RIVO	RIVO	43	Max WS	15.09	133.01	136.35	134.73	136.45	0.000868	1.53	15.63	8.64	0.27
RIVO	RIVO	42.50 Inizio Tratto In		Bridge									
RIVO	RIVO	42	Max WS	18.60	132.36	134.98	135.23	136.33	0.013882	5.59	5.29	3.64	1.10
RIVO	RIVO	41.650*	Max WS	18.59	132.36	134.97	135.30	136.45	0.014897	5.78	5.14	3.64	1.14
RIVO	RIVO	41.300	Max WS	18.59	132.36	134.95	135.22	136.33	0.014256	5.63	5.20	3.64	1.12
RIVO	RIVO	41.250*	Max WS	18.59	132.36	134.94	135.30	136.47	0.015477	5.85	5.05	3.64	1.16
RIVO	RIVO	41.200	Max WS	18.42	132.36	134.93	135.21	136.33	0.014675	5.67	5.11	3.64	1.13
RIVO	RIVO MEDIO	41	Max WS	24.60	131.99	134.93		135.94	0.007595	4.45	5.91	2.24	0.83
RIVO	RIVO MEDIO	40.802		Lat Struct									
RIVO	RIVO MEDIO	40.801		Lat Struct									
RIVO	RIVO MEDIO	40.800*	Max WS	23.47	131.95	134.90		135.76	0.006430	4.11	5.96	2.25	0.77
RIVO	RIVO MEDIO	40.600*	Max WS	22.65	131.90	134.89		135.62	0.005396	3.79	6.12	2.10	0.70
RIVO	RIVO MEDIO	40.400*	Max WS	21.79	131.86	134.95		135.55	0.004198	3.42	6.52	2.16	0.62
RIVO	RIVO MEDIO	40.200*	Max WS	20.74	131.81	135.05		135.51	0.003081	3.01	7.02	2.22	0.54
RIVO	RIVO MEDIO	40	Max WS	19.45	131.77	135.17	133.80	135.52	0.002168	2.61	7.59	2.28	0.45
RIVO	RIVO MEDIO	39.50 Accesso Privato		Bridge									
RIVO	RIVO MEDIO	39	Max WS	19.42	131.53	132.81	132.92	133.60	0.018384	3.93	4.94	4.07	1.12
RIVO	RIVO MEDIO	38.669		Lat Struct									
RIVO	RIVO MEDIO	38.668		Lat Struct									
RIVO	RIVO MEDIO	38.667*	Max WS	19.46	131.29	132.75	132.72	133.39	0.013031	3.60	5.91	4.62	0.96
RIVO	RIVO MEDIO	38.333*	Max WS	19.47	131.05	132.70		133.20	0.008951	3.23	7.08	5.36	0.82
RIVO	RIVO MEDIO	38	Max WS	19.48	130.80	132.69		133.03	0.005565	2.78	9.59	9.47	0.66
RIVO	RIVO MEDIO	37.667*	Max WS	19.45	130.68	132.63		133.08	0.006861	3.17	8.40	7.80	0.73
RIVO	RIVO MEDIO	37.333*	Max WS	19.42	130.57	132.56		133.14	0.008724	3.65	7.40	5.35	0.83
RIVO	RIVO MEDIO	37	Max WS	19.41	130.45	132.51	132.51	133.28	0.011657	4.34	6.71	4.91	0.97
RIVO	RIVO MEDIO	36.964		Lat Struct									
RIVO	RIVO MEDIO	36.963		Lat Struct									
RIVO	RIVO MEDIO	36.962*	Max WS	19.39	130.40	132.46	132.45	133.21	0.011655	4.32	6.73	4.96	0.97
RIVO	RIVO MEDIO	36.923*	Max WS	19.37	130.36	132.40	132.39	133.15	0.011658	4.31	6.76	5.01	0.97
RIVO	RIVO MEDIO	36.885*	Max WS	19.35	130.31	132.34	132.34	133.08	0.011655	4.29	6.78	5.06	0.97
RIVO	RIVO MEDIO	36.846*	Max WS	19.33	130.26	132.28	132.28	133.02	0.011657	4.28	6.80	5.12	0.97
RIVO	RIVO MEDIO	36.808*	Max WS	19.31	130.21	132.22	132.22	132.95	0.011643	4.26	6.83	5.17	0.96
RIVO	RIVO MEDIO	36.769*	Max WS	19.29	130.17	132.17	132.16	132.89	0.011634	4.24	6.86	5.22	0.96
RIVO	RIVO MEDIO	36.733		Lat Struct									
RIVO	RIVO MEDIO	36.732		Lat Struct									
RIVO	RIVO MEDIO	36.731*	Max WS	19.27	130.12	132.11	132.09	132.82	0.011618	4.22	6.88	5.28	0.96
RIVO	RIVO MEDIO	36.692*	Max WS	19.18	130.07	132.05	132.01	132.75	0.011516	4.19	6.91	5.34	0.96
RIVO	RIVO MEDIO	36.654*	Max WS	19.20	130.02	131.99	131.95	132.69	0.011520	4.18	6.94	5.40	0.96
RIVO	RIVO MEDIO	36.615*	Max WS	19.20	129.98	131.94	131.90	132.62	0.011531	4.16	6.97	5.46	0.96
RIVO	RIVO MEDIO	36.577*	Max WS	19.21	129.93	131.88	131.84	132.56	0.011539	4.15	7.00	5.52	0.96
RIVO	RIVO MEDIO	36.538*	Max WS	19.23	129.88	131.82	131.79	132.50	0.011598	4.15	7.02	5.61	0.96
RIVO	RIVO MEDIO	36.502		Lat Struct									
RIVO	RIVO MEDIO	36.501		Lat Struct									
RIVO	RIVO MEDIO	36.500*	Max WS	19.25	129.84	131.76	131.73	132.44	0.011746	4.16	7.05	5.83	0.96
RIVO	RIVO MEDIO	36.462*	Max WS	19.26	129.79	131.70	131.65	132.39	0.011867	4.16	7.08	6.05	0.97
RIVO	RIVO MEDIO	36.423*	Max WS	19.18	129.74	131.64	131.59	132.32	0.011896	4.15	7.10	6.26	0.97
RIVO	RIVO MEDIO	36.385*	Max WS	19.18	129.69	131.58	131.51	132.26	0.012016	4.15	7.13	6.47	0.97
RIVO	RIVO MEDIO	36.346*	Max WS	19.18	129.65	131.52	131.43	132.20	0.012147	4.15	7.15	6.67	0.97
RIVO	RIVO MEDIO	36.308*	Max WS	19.17	129.60	131.46	131.36	132.14	0.012269	4.15	7.17	6.85	0.98
RIVO	RIVO MEDIO	36.271		Lat Struct									
RIVO	RIVO MEDIO	36.270		Lat Struct									
RIVO	RIVO MEDIO	36.269*	Max WS	19.16	129.55	131.40	131.30	132.08	0.012372	4.15	7.19	6.95	0.98
RIVO	RIVO MEDIO	36.231*	Max WS	19.15	129.50	131.34	131.24	132.01	0.012493	4.15	7.20	7.05	0.98
RIVO	RIVO MEDIO	36.192*	Max WS	19.10	129.46	131.28	131.16	131.94	0.012576	4.14	7.22	7.15	0.99
RIVO	RIVO MEDIO	36.154*	Max WS	19.10	129.41	131.21	131.08	131.88	0.012722	4.14	7.23	7.25	0.99
RIVO	RIVO MEDIO	36.115*	Max WS	19.09	129.36	131.15	131.00	131.82	0.012911	4.14	7.23	7.35	1.00
RIVO	RIVO MEDIO	36.077*	Max WS	19.08	129.32	131.08	130.95	131.75	0.013137	4.15	7.22	7.44	1.00
RIVO	RIVO MEDIO	36.040		Lat Struct									
RIVO	RIVO MEDIO	36.039		Lat Struct									
RIVO	RIVO MEDIO	36.038*	Max WS	19.06	129.27	131.02	130.88	131.69	0.013400	4.16	7.21	7.54	1.01
RIVO	RIVO MEDIO	36	Max WS	19.05	129.22	130.95	130.81	131.62	0.013708	4.17	7.18	7.63	1.02
RIVO	RIVO MEDIO	35.967*	Max WS	19.01									

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_MEDIO	35.833*	Max WS	18.93	128.87	130.62	130.47	131.28	0.013533	4.16	7.16	7.36	1.01
RIVO	RIVO_MEDIO	35.800*	Max WS	18.92	128.80	130.55	130.40	131.21	0.013498	4.16	7.15	7.31	1.01
RIVO	RIVO_MEDIO	35.767*	Max WS	18.90	128.73	130.49	130.32	131.14	0.013452	4.15	7.15	7.26	1.01
RIVO	RIVO_MEDIO	35.733*	Max WS	18.88	128.66	130.42	130.26	131.08	0.013387	4.14	7.15	7.21	1.01
RIVO	RIVO_MEDIO	35.700*	Max WS	18.85	128.59	130.35	130.19	131.01	0.013314	4.14	7.15	7.16	1.01
RIVO	RIVO_MEDIO	35.667*	Max WS	18.81	128.52	130.29	130.13	130.94	0.013199	4.12	7.16	7.11	1.00
RIVO	RIVO_MEDIO	35.635	Lat Struct										
RIVO	RIVO_MEDIO	35.634	Lat Struct										
RIVO	RIVO_MEDIO	35.633*	Max WS	18.78	128.45	130.22	130.06	130.87	0.013088	4.11	7.17	7.06	1.00
RIVO	RIVO_MEDIO	35.600*	Max WS	18.75	128.38	130.16	129.99	130.80	0.012952	4.10	7.18	7.01	0.99
RIVO	RIVO_MEDIO	35.567*	Max WS	18.71	128.31	130.10	129.92	130.73	0.012794	4.08	7.20	6.96	0.99
RIVO	RIVO_MEDIO	35.533*	Max WS	18.67	128.24	130.04	129.85	130.66	0.012614	4.06	7.22	6.91	0.98
RIVO	RIVO_MEDIO	35.500*	Max WS	18.63	128.18	129.97	130.02	130.59	0.012385	4.03	7.25	6.87	0.97
RIVO	RIVO_MEDIO	35.467*	Max WS	18.56	128.11	129.91	129.95	130.52	0.012115	4.00	7.29	6.83	0.96
RIVO	RIVO_MEDIO	35.435	Lat Struct										
RIVO	RIVO_MEDIO	35.434	Lat Struct										
RIVO	RIVO_MEDIO	35.433*	Max WS	18.51	128.04	129.86	129.89	130.44	0.011817	3.96	7.34	6.79	0.95
RIVO	RIVO_MEDIO	35.400*	Max WS	18.47	127.97	129.80	129.82	130.37	0.011460	3.92	7.40	6.72	0.94
RIVO	RIVO_MEDIO	35.367*	Max WS	18.44	127.90	129.75	129.74	130.31	0.011050	3.87	7.48	6.63	0.92
RIVO	RIVO_MEDIO	35.333*	Max WS	18.41	127.83	129.70	129.67	130.24	0.010592	3.82	7.58	6.55	0.90
RIVO	RIVO_MEDIO	35.300*	Max WS	18.39	127.76	129.65		130.17	0.010087	3.75	7.70	6.47	0.88
RIVO	RIVO_MEDIO	35.267*	Max WS	18.38	127.69	129.61		130.11	0.009578	3.69	7.84	6.38	0.86
RIVO	RIVO_MEDIO	35.235	Lat Struct										
RIVO	RIVO_MEDIO	35.234	Lat Struct										
RIVO	RIVO_MEDIO	35.233*	Max WS	18.36	127.62	129.57		130.05	0.008992	3.61	8.00	6.30	0.84
RIVO	RIVO_MEDIO	35.200*	Max WS	18.37	127.55	129.54		130.00	0.008458	3.55	8.17	6.21	0.81
RIVO	RIVO_MEDIO	35.167*	Max WS	18.27	127.48	129.51		129.94	0.007737	3.44	8.40	6.12	0.78
RIVO	RIVO_MEDIO	35.133*	Max WS	18.21	127.41	129.49		129.89	0.007090	3.34	8.63	6.04	0.75
RIVO	RIVO_MEDIO	35.100*	Max WS	18.09	127.34	129.48		129.85	0.006398	3.23	8.90	5.95	0.72
RIVO	RIVO_MEDIO	35.067*	Max WS	17.97	127.27	129.46		129.81	0.005759	3.12	9.17	5.87	0.68
RIVO	RIVO_MEDIO	35.035	Lat Struct										
RIVO	RIVO_MEDIO	35.034	Lat Struct										
RIVO	RIVO_MEDIO	35.033*	Max WS	17.83	127.20	129.46		129.78	0.005175	3.01	9.46	5.79	0.65
RIVO	RIVO_MEDIO	35	Max WS	17.48	127.13	129.46		129.75	0.004463	2.86	9.81	5.70	0.61
RIVO	RIVO_MEDIO	34.667*	Max WS	17.14	127.03	129.42		129.75	0.004656	2.99	9.25	5.19	0.62
RIVO	RIVO_MEDIO	34.333*	Max WS	16.90	126.93	129.37		129.75	0.005116	3.19	8.56	4.68	0.66
RIVO	RIVO_MEDIO	34	Max WS	16.41	126.83	129.32	128.83	129.77	0.005499	3.38	7.85	4.17	0.69
RIVO	RIVO_MEDIO	33.5	Bridge										
RIVO	RIVO_MEDIO	33	Max WS	16.41	126.79	128.10	128.77	130.20	0.058426	7.18	3.30	3.76	2.01
RIVO	RIVO_MEDIO	32.99	Lat Struct										
RIVO	RIVO_MEDIO	32.952*	Max WS	16.41	126.74	128.04	128.70	130.14	0.057827	7.09	3.31	3.76	2.00
RIVO	RIVO_MEDIO	32.905*	Max WS	16.41	126.70	127.98	128.64	130.04	0.056541	6.96	3.31	3.76	1.97
RIVO	RIVO_MEDIO	32.857*	Max WS	16.41	126.65	127.93	128.57	129.93	0.054984	6.82	3.32	3.77	1.94
RIVO	RIVO_MEDIO	32.810*	Max WS	16.41	126.61	127.88	128.51	129.82	0.053399	6.68	3.33	3.77	1.91
RIVO	RIVO_MEDIO	32.801	Lat Struct										
RIVO	RIVO_MEDIO	32.762*	Max WS	16.41	126.56	127.82	128.45	129.71	0.051692	6.54	3.35	3.77	1.88
RIVO	RIVO_MEDIO	32.714*	Max WS	16.41	126.51	127.78	128.39	129.60	0.049883	6.40	3.38	3.78	1.84
RIVO	RIVO_MEDIO	32.667*	Max WS	16.41	126.47	127.73	128.32	129.49	0.047897	6.25	3.42	3.78	1.80
RIVO	RIVO_MEDIO	32.619*	Max WS	16.42	126.42	127.68	128.24	129.37	0.045770	6.10	3.46	3.79	1.76
RIVO	RIVO_MEDIO	32.571*	Max WS	16.43	126.37	127.64	128.17	129.25	0.043596	5.95	3.51	3.81	1.72
RIVO	RIVO_MEDIO	32.570	Lat Struct										
RIVO	RIVO_MEDIO	32.524*	Max WS	16.44	126.33	127.60	128.11	129.14	0.041334	5.79	3.57	3.84	1.67
RIVO	RIVO_MEDIO	32.476*	Max WS	16.45	126.28	127.56	128.04	129.03	0.038987	5.63	3.64	3.87	1.62
RIVO	RIVO_MEDIO	32.429*	Max WS	16.47	126.24	127.52	127.97	128.91	0.036588	5.47	3.72	3.91	1.57
RIVO	RIVO_MEDIO	32.381*	Max WS	16.49	126.19	127.49	127.90	128.80	0.034192	5.31	3.81	3.95	1.52
RIVO	RIVO_MEDIO	32.333*	Max WS	16.51	126.14	127.45	127.83	128.70	0.031746	5.14	3.92	4.00	1.47
RIVO	RIVO_MEDIO	32.286*	Max WS	16.54	126.10	127.43	127.76	128.59	0.029369	4.97	4.03	4.05	1.41
RIVO	RIVO_MEDIO	32.238*	Max WS	16.57	126.05	127.40	127.69	128.49	0.027084	4.81	4.15	4.10	1.36
RIVO	RIVO_MEDIO	32.190*	Max WS	16.61	126.00	127.37	127.62	128.40	0.024853	4.65	4.28	4.16	1.31
RIVO	RIVO_MEDIO	32.143*	Max WS	16.64	125.96	127.35	127.57	128.31	0.022719	4.48	4.43	4.21	1.25
RIVO	RIVO_MEDIO	32.095*	Max WS	16.67	125.91	127.33	127.51	128.22	0.020635	4.32	4.58	4.27	1.20
RIVO	RIVO_MEDIO	32.048*	Max WS	16.66	125.87	127.31	127.45	128.13	0.018672	4.15	4.75	4.34	1.14
RIVO	RIVO_MEDIO	32	Max WS	16.67	125.82	127.29	127.39	128.06	0.016850	3.99	4.92	4.40	1.09
RIVO	RIVO_MEDIO	31.993*	Max WS	16.68	125.80	127.27	127.37	128.04	0.016842	3.99	4.93	4.40	1.09
RIVO	RIVO_MEDIO	31.986*	Max WS	16.69	125.78	127.26	127.35	128.02	0.016858	4.00	4.93	4.41	1.09
RIVO	RIVO_MEDIO	31.979*	Max WS	16.69	125.77	127.24	127.34	128.01	0.016859	4.00	4.93	4.42	1.09
RIVO	RIVO_MEDIO	31.972*	Max WS	16.69	125.75	127.22	127.32	127.99	0.016851	4.00	4.94	4.42	1.09
RIVO	RIVO_MEDIO	31.965*	Max WS	16.70	125.73	127.21	127.30	127.97	0.016844	4.00	4.94	4.43	1.09
RIVO	RIVO_MEDIO	31.958*	Max WS	16.70	125.71	127.19	127.29	127.96	0.016814	4.00	4.95	4.44	1.09
RIVO	RIVO_MEDIO	31.951*	Max WS	16.70	125.70	127.17	127.27	127.94	0.016827	4.00	4.95	4.44	1.09
RIVO	RIVO_MEDIO	31.944*	Max WS	16.70	125.68	127.16	127.25	127.92	0.016795	4.00	4.96	4.45	1.09
RIVO	RIVO_MEDIO	31.937*	Max WS	16.70	125.66	127.14	127.24	127.91	0.016787	4.00	4.96	4.46	1.09
RIVO	RIVO_MEDIO	31.930*	Max WS	16.70	125.64	127.12	127.22	127.89	0.016771	4.00	4.97	4.46	1.08
RIVO	RIVO_MEDIO	31.925	Lat Struct										
RIVO	RIVO_MEDIO	31.924	Lat Struct										
RIVO	RIVO_MEDIO	31.923*	Max WS	16.72	125.63	127.11	127.20	127.87	0.016803	4.01	4.97	4.47	1.09
RIVO	RIVO_MEDIO	31.916*	Max WS	16.74	125.61	127.09	127.19	127.86	0.016809	4.01	4.98	4.48	1.09
RIVO	RIVO_MEDIO	31.909*	Max WS	16.76	125.59	127.07	127.17	127.84	0.016834	4.02	4.98	4.48	1.09
RIVO	RIVO_MEDIO	31.902*	Max WS	16.78	125.57	127.06	127.16	127.83	0.016870	4.02	4.99	4.49	1.09
RIVO	RIVO_MEDIO	31.895*	Max WS	16.79	125.55	127.04	127.14	127.81	0.016885	4.03	4.99	4.49	1.09
RIVO	RIVO_MEDIO	31.888*	Max WS	16.80	125.54	127.02	127.12	127.79	0.016887	4.03	5.00	4.50	1.09
RIVO	RIVO_MEDIO	31.881*	Max WS	16.81	125.52	127.01	127.11	127.78	0.016893	4.03	5.00	4.51	1.09
RIVO	RIVO_MEDIO	31.874*	Max WS	16.82	125.50	126.99	127.09	127.76	0.016899	4.04	5.00	4.51	1.09
RIVO	RIVO_MEDIO	31.867*	Max WS	16.82	125.48	126.97	127.07	127.75	0.016905	4.04	5.01	4.52	1.09
RIVO	RIVO_MEDIO	31.860*	Max WS	16.82	125.47	126.96	127.06	127.73	0.016890	4.04	5.01	4.53	1.09
RIVO	RIVO_MEDIO	31.853*	Max WS	16.81	125.45	126.94	127.04	127.71	0.016846	4.04	5.02	4.53	1.09
RIVO	RIVO_MEDIO	31.846*	Max WS	16.81	125.43	126.92	127.02	127.69	0.016837	4.04	5.02	4.54	1.09
RIVO	RIVO_MEDIO	31.839*	Max WS	16.81	125.41	126.91	127.01	127.68	0.016812	4.04	5.03	4.54	1.09
RIVO	RIVO_MEDIO	31.832*	Max WS	16.81	125.39	126.89	126.99	127.66	0.016810	4.04	5.03	4.55	1.09
RIVO	RIVO_MEDIO	31.825*	Max WS	16.80	125.38	126.87	126.97	127.64	0.016771	4.04	5.04	4.56	1.09
RIVO	RIVO_MEDIO	31.818*	Max WS	16.80	125.36	126.86	126.96	127.62	0.016759	4.04	5.04	4.56	1.09
RIVO	RIVO_MEDIO	31.811*	Max WS	16.80	125.34	126.84	126.94	127.61	0.016748	4.04	5.05	4.57	1.09
RIVO	RIVO_MEDIO	31.804*	Max WS	16.80	125.32	126.82	126.92	127.59	0.016731	4.04	5.05	4.58	1.09
RIVO	RIVO_MEDIO	31.797*	Max WS	16.80	125.31	126.81	126.91	127.57	0.016713	4.04			

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.715		Lat Struct									
RIVO	RIVO_MEDIO	31.714		Lat Struct									
RIVO	RIVO_MEDIO	31.713*	Max WS	16.74	125.09	126.61	126.70	127.36	0.016302	4.02	5.13	4.66	1.07
RIVO	RIVO_MEDIO	31.706*	Max WS	16.74	125.07	126.59	126.68	127.35	0.016287	4.02	5.13	4.67	1.07
RIVO	RIVO_MEDIO	31.699*	Max WS	16.74	125.06	126.58	126.67	127.33	0.016225	4.02	5.14	4.67	1.07
RIVO	RIVO_MEDIO	31.6919*	Max WS	16.74	125.04	126.56	126.65	127.31	0.016211	4.02	5.15	4.68	1.07
RIVO	RIVO_MEDIO	31.685*	Max WS	16.74	125.02	126.54	126.63	127.29	0.016160	4.01	5.15	4.69	1.07
RIVO	RIVO_MEDIO	31.678*	Max WS	16.74	125.00	126.53	126.62	127.28	0.016115	4.01	5.16	4.69	1.07
RIVO	RIVO_MEDIO	31.671*	Max WS	16.74	124.99	126.51	126.60	127.26	0.016071	4.01	5.17	4.70	1.07
RIVO	RIVO_MEDIO	31.664*	Max WS	16.74	124.97	126.50	126.58	127.24	0.016030	4.01	5.18	4.71	1.07
RIVO	RIVO_MEDIO	31.657*	Max WS	16.74	124.95	126.48	126.57	127.22	0.015994	4.01	5.19	4.72	1.07
RIVO	RIVO_MEDIO	31.650*	Max WS	16.74	124.93	126.46	126.55	127.21	0.015945	4.01	5.20	4.72	1.06
RIVO	RIVO_MEDIO	31.643*	Max WS	16.74	124.91	126.45	126.53	127.19	0.015885	4.00	5.20	4.73	1.06
RIVO	RIVO_MEDIO	31.636*	Max WS	16.74	124.90	126.43	126.52	127.17	0.015854	4.00	5.21	4.74	1.06
RIVO	RIVO_MEDIO	31.629*	Max WS	16.38	124.88	126.42	126.48	127.12	0.015142	3.91	5.22	4.75	1.04
RIVO	RIVO_MEDIO	31.622*	Max WS	16.38	124.86	126.40	126.46	127.11	0.015054	3.91	5.24	4.75	1.04
RIVO	RIVO_MEDIO	31.615*	Max WS	16.38	124.84	126.39	126.45	127.09	0.014985	3.90	5.25	4.76	1.03
RIVO	RIVO_MEDIO	31.608*	Max WS	16.36	124.83	126.37	126.43	127.07	0.014848	3.89	5.26	4.77	1.03
RIVO	RIVO_MEDIO	31.601*	Max WS	16.36	124.81	126.36	126.41	127.05	0.014784	3.89	5.27	4.78	1.03
RIVO	RIVO_MEDIO	31.594*	Max WS	16.36	124.79	126.34	126.39	127.04	0.014686	3.88	5.29	4.79	1.02
RIVO	RIVO_MEDIO	31.587*	Max WS	16.36	124.77	126.33	126.38	127.02	0.014598	3.88	5.31	4.80	1.02
RIVO	RIVO_MEDIO	31.580*	Max WS	16.36	124.75	126.31	126.36	127.00	0.014493	3.87	5.32	4.81	1.02
RIVO	RIVO_MEDIO	31.573*	Max WS	16.33	124.74	126.30	126.34	126.98	0.014375	3.86	5.34	4.82	1.01
RIVO	RIVO_MEDIO	31.566*	Max WS	16.33	124.72	126.29	126.33	126.97	0.014272	3.85	5.35	4.83	1.01
RIVO	RIVO_MEDIO	31.559*	Max WS	16.33	124.70	126.27	126.31	126.95	0.014170	3.84	5.37	4.84	1.01
RIVO	RIVO_MEDIO	31.552*	Max WS	16.33	124.68	126.26	126.29	126.93	0.014068	3.84	5.39	4.85	1.00
RIVO	RIVO_MEDIO	31.545*	Max WS	16.33	124.67	126.24	126.28	126.91	0.013967	3.83	5.41	4.86	1.00
RIVO	RIVO_MEDIO	31.538*	Max WS	16.33	124.65	126.23	126.26	126.90	0.013881	3.82	5.42	4.87	1.00
RIVO	RIVO_MEDIO	31.531*	Max WS	16.33	124.63	126.22	126.24	126.88	0.013763	3.81	5.44	4.88	0.99
RIVO	RIVO_MEDIO	31.524*	Max WS	16.33	124.61	126.20	126.23	126.86	0.013645	3.81	5.46	4.89	0.99
RIVO	RIVO_MEDIO	31.517*	Max WS	16.33	124.59	126.19	126.21	126.84	0.013536	3.80	5.48	4.91	0.99
RIVO	RIVO_MEDIO	31.511		Lat Struct									
RIVO	RIVO_MEDIO	31.510*	Max WS	16.31	124.58	126.18	126.19	126.83	0.013398	3.79	5.50	4.92	0.98
RIVO	RIVO_MEDIO	31.505		Lat Struct									
RIVO	RIVO_MEDIO	31.504*	Max WS	16.31	124.56	126.16	126.17	126.81	0.013268	3.77	5.53	4.93	0.98
RIVO	RIVO_MEDIO	31.497*	Max WS	16.31	124.54	126.15	126.16	126.79	0.013155	3.77	5.55	4.94	0.97
RIVO	RIVO_MEDIO	31.490*	Max WS	16.31	124.52	126.14	126.14	126.78	0.013027	3.76	5.57	4.95	0.97
RIVO	RIVO_MEDIO	31.483*	Max WS	16.31	124.51	126.12	126.12	126.76	0.012902	3.75	5.60	4.97	0.97
RIVO	RIVO_MEDIO	31.476*	Max WS	16.31	124.49	126.11	126.11	126.74	0.012775	3.74	5.62	4.98	0.96
RIVO	RIVO_MEDIO	31.469*	Max WS	16.31	124.47	126.10	126.09	126.72	0.012649	3.73	5.65	4.99	0.96
RIVO	RIVO_MEDIO	31.462*	Max WS	16.31	124.45	126.09	126.07	126.71	0.012509	3.71	5.67	5.00	0.95
RIVO	RIVO_MEDIO	31.455*	Max WS	16.32	124.43	126.07	126.06	126.69	0.012396	3.71	5.70	5.02	0.95
RIVO	RIVO_MEDIO	31.448*	Max WS	16.36	124.42	126.06	126.04	126.68	0.012324	3.70	5.72	5.03	0.95
RIVO	RIVO_MEDIO	31.441*	Max WS	16.40	124.40	126.05	126.03	126.66	0.012241	3.70	5.75	5.05	0.94
RIVO	RIVO_MEDIO	31.434*	Max WS	16.43	124.38	126.04	126.01	126.65	0.012154	3.70	5.78	5.06	0.94
RIVO	RIVO_MEDIO	31.427*	Max WS	16.46	124.36	126.02	126.00	126.63	0.012060	3.69	5.81	5.08	0.94
RIVO	RIVO_MEDIO	31.420*	Max WS	16.48	124.35	126.01	125.98	126.62	0.011947	3.68	5.84	5.09	0.93
RIVO	RIVO_MEDIO	31.413*	Max WS	16.51	124.33	126.00	125.97	126.60	0.011858	3.68	5.87	5.11	0.93
RIVO	RIVO_MEDIO	31.406*	Max WS	16.55	124.31	125.99	125.95	126.59	0.011767	3.67	5.90	5.12	0.93
RIVO	RIVO_MEDIO	31.399*	Max WS	16.58	124.29	125.98	125.94	126.58	0.011667	3.67	5.93	5.14	0.93
RIVO	RIVO_MEDIO	31.392*	Max WS	16.62	124.27	125.97	125.92	126.56	0.011594	3.66	5.96	5.15	0.92
RIVO	RIVO_MEDIO	31.385*	Max WS	16.66	124.26	125.95	125.91	126.55	0.011488	3.66	5.99	5.17	0.92
RIVO	RIVO_MEDIO	31.378*	Max WS	16.70	124.24	125.94	125.89	126.54	0.011403	3.65	6.03	5.18	0.92
RIVO	RIVO_MEDIO	31.371*	Max WS	16.74	124.22	125.93	125.88	126.52	0.011319	3.65	6.06	5.20	0.91
RIVO	RIVO_MEDIO	31.364*	Max WS	16.80	124.20	125.92	125.87	126.51	0.011246	3.65	6.09	5.22	0.91
RIVO	RIVO_MEDIO	31.357*	Max WS	16.87	124.19	125.91	125.85	126.50	0.011204	3.65	6.13	5.23	0.91
RIVO	RIVO_MEDIO	31.350*	Max WS	16.94	124.17	125.90	125.84	126.49	0.011149	3.65	6.16	5.25	0.91
RIVO	RIVO_MEDIO	31.343*	Max WS	17.04	124.15	125.89	125.83	126.48	0.011128	3.66	6.20	5.27	0.91
RIVO	RIVO_MEDIO	31.336*	Max WS	17.13	124.13	125.88	125.82	126.47	0.011116	3.67	6.23	5.28	0.91
RIVO	RIVO_MEDIO	31.329*	Max WS	17.23	124.11	125.86	125.80	126.46	0.011088	3.67	6.27	5.30	0.91
RIVO	RIVO_MEDIO	31.322*	Max WS	17.32	124.10	125.85	125.79	126.45	0.011064	3.68	6.30	5.32	0.91
RIVO	RIVO_MEDIO	31.315*	Max WS	17.38	124.08	125.84	125.78	126.44	0.010994	3.68	6.34	5.34	0.91
RIVO	RIVO_MEDIO	31.308*	Max WS	17.44	124.06	125.83	125.77	126.42	0.010928	3.68	6.38	5.35	0.90
RIVO	RIVO_MEDIO	31.303		Lat Struct									
RIVO	RIVO_MEDIO	31.302		Lat Struct									
RIVO	RIVO_MEDIO	31.301*	Max WS	17.51	124.04	125.82	125.75	126.41	0.010882	3.68	6.41	5.37	0.90
RIVO	RIVO_MEDIO	31.294*	Max WS	17.57	124.03	125.81	125.74	126.40	0.010800	3.67	6.45	5.39	0.90
RIVO	RIVO_MEDIO	31.287*	Max WS	17.64	124.01	125.80	125.73	126.39	0.010738	3.67	6.49	5.41	0.90
RIVO	RIVO_MEDIO	31.280*	Max WS	17.70	123.99	125.79	125.71	126.38	0.010678	3.67	6.52	5.42	0.89
RIVO	RIVO_MEDIO	31.273*	Max WS	17.77	123.97	125.78	125.70	126.36	0.010616	3.67	6.56	5.44	0.89
RIVO	RIVO_MEDIO	31.266*	Max WS	17.85	123.96	125.77	125.69	126.35	0.010565	3.67	6.60	5.46	0.89
RIVO	RIVO_MEDIO	31.259*	Max WS	17.98	123.94	125.76	125.68	126.35	0.010588	3.69	6.64	5.48	0.89
RIVO	RIVO_MEDIO	31.252*	Max WS	18.12	123.92	125.75	125.67	126.34	0.010612	3.70	6.67	5.50	0.89
RIVO	RIVO_MEDIO	31.245*	Max WS	18.26	123.90	125.73	125.66	126.33	0.010653	3.72	6.71	5.51	0.90
RIVO	RIVO_MEDIO	31.238*	Max WS	18.40	123.88	125.72	125.65	126.32	0.010683	3.73	6.75	5.53	0.90
RIVO	RIVO_MEDIO	31.231*	Max WS	18.56	123.87	125.71	125.64	126.32	0.010744	3.75	6.78	5.55	0.90
RIVO	RIVO_MEDIO	31.224*	Max WS	18.75	123.85	125.70	125.64	126.31	0.010815	3.78	6.82	5.57	0.91
RIVO	RIVO_MEDIO	31.217*	Max WS	18.95	123.83	125.69	125.63	126.31	0.010921	3.80	6.86	5.59	0.91
RIVO	RIVO_MEDIO	31.210*	Max WS	19.17	123.81	125.68	125.63	126.31	0.011032	3.83	6.90	5.60	0.92
RIVO	RIVO_MEDIO	31.203*	Max WS	19.38	123.80	125.67	125.62	126.31	0.011137	3.86	6.94	5.62	0.92
RIVO	RIVO_MEDIO	31.196*	Max WS	19.60	123.78	125.66	125.62	126.30	0.011247	3.89	6.98	5.64	0.93
RIVO	RIVO_MEDIO	31.189*	Max WS	19.81	123.76	125.65	125.61	126.30	0.011365	3.92	7.01	5.66	0.93
RIVO	RIVO_MEDIO	31.182*	Max WS	20.09	123.74	125.63	125.61	126.30	0.011561	3.96	7.05	5.68	0.94
RIVO	RIVO_MEDIO	31.175*	Max WS	20.45	123.72	125.62	125.61	126.31	0.011844	4.02	7.08	5.69	0.95
RIVO	RIVO_MEDIO	31.168*	Max WS	20.80	123.71	125.61	125.62	126.32	0.012124	4.08	7.11	5.71	0.96
RIVO	RIVO_MEDIO	31.161*	Max WS	21.15	123.69	125.60	125.62	126.32	0.012434	4.14	7.14	5.72	0.98
RIVO	RIVO_MEDIO	31.154*	Max WS	21.51	123.67	125.59	125.62	126.33	0.012733	4.19	7.18	5.74	0.99
RIVO	RIVO_MEDIO	31.147*	Max WS	21.86	123.65	125.57	125.62	126.34	0.013053	4.25	7.20	5.75	1.00
RIVO	RIVO_MEDIO	31.140*	Max WS	22.21	123.64	125.56	125.62	126.35	0.013359	4.31	7.23		

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.028*	Max WS	22.56	123.35	125.35	125.37	126.09	0.012161	4.23	7.69	6.01	0.97
RIVO	RIVO_MEDIO	31.021*	Max WS	22.56	123.33	125.34	125.36	126.07	0.012045	4.21	7.72	6.02	0.97
RIVO	RIVO_MEDIO	31.014*	Max WS	22.56	123.32	125.33	125.34	126.06	0.011927	4.20	7.76	6.04	0.96
RIVO	RIVO_MEDIO	31.007*	Max WS	22.56	123.30	125.32	125.32	126.04	0.011824	4.19	7.79	6.06	0.96
RIVO	RIVO_MEDIO	31	Max WS	22.56	123.28	125.31	125.31	126.02	0.011699	4.18	7.83	6.08	0.96
RIVO	RIVO_VALLE	30.99	Max WS	23.06	123.28	125.31	125.33	126.05	0.012223	4.27	7.83	6.08	0.98
RIVO	RIVO_VALLE	30.983*	Max WS	23.06	123.27	125.29	125.32	126.04	0.012223	4.27	7.83	6.09	0.98
RIVO	RIVO_VALLE	30.977*	Max WS	23.06	123.26	125.28	125.31	126.03	0.012224	4.26	7.83	6.10	0.98
RIVO	RIVO_VALLE	30.970*	Max WS	23.06	123.25	125.27	125.30	126.01	0.012223	4.26	7.84	6.10	0.98
RIVO	RIVO_VALLE	30.963*	Max WS	23.06	123.24	125.26	125.28	126.00	0.012223	4.26	7.84	6.11	0.98
RIVO	RIVO_VALLE	30.959	Lat Struct										
RIVO	RIVO_VALLE	30.958	Lat Struct										
RIVO	RIVO_VALLE	30.956*	Max WS	23.06	123.23	125.25	125.27	125.99	0.012226	4.25	7.84	6.12	0.98
RIVO	RIVO_VALLE	30.950*	Max WS	23.06	123.22	125.23	125.26	125.98	0.012233	4.25	7.85	6.13	0.98
RIVO	RIVO_VALLE	30.943*	Max WS	23.06	123.21	125.22	125.25	125.96	0.012235	4.25	7.85	6.14	0.98
RIVO	RIVO_VALLE	30.936*	Max WS	23.06	123.20	125.21	125.23	125.95	0.012230	4.24	7.85	6.15	0.98
RIVO	RIVO_VALLE	30.929*	Max WS	23.06	123.19	125.20	125.22	125.93	0.012232	4.24	7.86	6.16	0.98
RIVO	RIVO_VALLE	30.923*	Max WS	23.06	123.18	125.18	125.20	125.92	0.012237	4.24	7.86	6.17	0.98
RIVO	RIVO_VALLE	30.916*	Max WS	23.06	123.17	125.17	125.19	125.91	0.012245	4.24	7.86	6.18	0.98
RIVO	RIVO_VALLE	30.909*	Max WS	23.06	123.16	125.16	125.18	125.90	0.012238	4.23	7.87	6.19	0.97
RIVO	RIVO_VALLE	30.902*	Max WS	23.06	123.15	125.15	125.17	125.88	0.012240	4.23	7.87	6.20	0.97
RIVO	RIVO_VALLE	30.896*	Max WS	23.06	123.14	125.14	125.16	125.87	0.012243	4.22	7.87	6.21	0.97
RIVO	RIVO_VALLE	30.889*	Max WS	23.06	123.13	125.12	125.14	125.86	0.012242	4.22	7.88	6.22	0.97
RIVO	RIVO_VALLE	30.882*	Max WS	23.06	123.12	125.11	125.13	125.84	0.012245	4.22	7.88	6.23	0.97
RIVO	RIVO_VALLE	30.876*	Max WS	23.06	123.11	125.10	125.12	125.83	0.012259	4.22	7.88	6.24	0.97
RIVO	RIVO_VALLE	30.869*	Max WS	23.06	123.10	125.09	125.11	125.82	0.012267	4.21	7.88	6.24	0.97
RIVO	RIVO_VALLE	30.862*	Max WS	23.06	123.09	125.07	125.09	125.80	0.012261	4.21	7.89	6.25	0.97
RIVO	RIVO_VALLE	30.855*	Max WS	23.06	123.08	125.06	125.08	125.79	0.012261	4.21	7.89	6.26	0.97
RIVO	RIVO_VALLE	30.849*	Max WS	23.06	123.07	125.05	125.07	125.78	0.012266	4.20	7.89	6.27	0.97
RIVO	RIVO_VALLE	30.842*	Max WS	23.06	123.06	125.04	125.06	125.76	0.012266	4.20	7.90	6.28	0.97
RIVO	RIVO_VALLE	30.835*	Max WS	23.06	123.05	125.03	125.05	125.75	0.012262	4.19	7.90	6.29	0.97
RIVO	RIVO_VALLE	30.828*	Max WS	23.06	123.04	125.01	125.03	125.74	0.012275	4.19	7.90	6.30	0.97
RIVO	RIVO_VALLE	30.822*	Max WS	23.06	123.03	125.00	125.02	125.72	0.012274	4.19	7.91	6.31	0.97
RIVO	RIVO_VALLE	30.815*	Max WS	23.06	123.02	124.99	125.01	125.71	0.012274	4.19	7.91	6.32	0.97
RIVO	RIVO_VALLE	30.808*	Max WS	23.06	123.01	124.98	125.00	125.70	0.012286	4.18	7.91	6.33	0.97
RIVO	RIVO_VALLE	30.801*	Max WS	23.06	123.00	124.96	124.99	125.68	0.012287	4.18	7.91	6.34	0.97
RIVO	RIVO_VALLE	30.795*	Max WS	23.06	122.99	124.95	124.98	125.67	0.012294	4.18	7.92	6.35	0.97
RIVO	RIVO_VALLE	30.788*	Max WS	23.06	122.98	124.94	124.96	125.66	0.012301	4.17	7.92	6.36	0.97
RIVO	RIVO_VALLE	30.781*	Max WS	23.06	122.97	124.93	124.95	125.64	0.012307	4.17	7.92	6.37	0.97
RIVO	RIVO_VALLE	30.774*	Max WS	23.06	122.96	124.92	124.94	125.63	0.012311	4.17	7.92	6.38	0.97
RIVO	RIVO_VALLE	30.768*	Max WS	23.06	122.95	124.90	124.93	125.62	0.012318	4.17	7.93	6.39	0.97
RIVO	RIVO_VALLE	30.761	Lat Struct										
RIVO	RIVO_VALLE	30.7609*	Max WS	23.06	122.94	124.89	124.91	125.60	0.012319	4.16	7.93	6.40	0.97
RIVO	RIVO_VALLE	30.760	Lat Struct										
RIVO	RIVO_VALLE	30.754*	Max WS	23.06	122.93	124.88	124.90	125.59	0.012323	4.16	7.93	6.41	0.97
RIVO	RIVO_VALLE	30.748*	Max WS	23.06	122.92	124.87	124.89	125.58	0.012323	4.16	7.94	6.41	0.97
RIVO	RIVO_VALLE	30.741*	Max WS	23.06	122.91	124.85	124.88	125.56	0.012336	4.15	7.94	6.42	0.97
RIVO	RIVO_VALLE	30.734*	Max WS	23.06	122.90	124.84	124.86	125.55	0.012339	4.15	7.94	6.43	0.97
RIVO	RIVO_VALLE	30.727*	Max WS	23.06	122.89	124.83	124.85	125.54	0.012341	4.15	7.94	6.44	0.97
RIVO	RIVO_VALLE	30.721*	Max WS	23.06	122.88	124.82	124.84	125.52	0.012358	4.15	7.94	6.44	0.97
RIVO	RIVO_VALLE	30.714*	Max WS	23.06	122.87	124.81	124.83	125.51	0.012353	4.14	7.95	6.45	0.97
RIVO	RIVO_VALLE	30.707*	Max WS	23.06	122.86	124.79	124.81	125.50	0.012356	4.14	7.95	6.46	0.97
RIVO	RIVO_VALLE	30.700*	Max WS	23.06	122.85	124.78	124.80	125.48	0.012371	4.14	7.95	6.46	0.97
RIVO	RIVO_VALLE	30.694*	Max WS	23.06	122.84	124.77	124.79	125.47	0.012383	4.13	7.95	6.47	0.97
RIVO	RIVO_VALLE	30.687*	Max WS	23.06	122.83	124.76	124.78	125.46	0.012390	4.13	7.96	6.48	0.97
RIVO	RIVO_VALLE	30.680*	Max WS	23.06	122.82	124.74	124.77	125.44	0.012394	4.13	7.96	6.49	0.97
RIVO	RIVO_VALLE	30.673*	Max WS	23.06	122.81	124.73	124.75	125.43	0.012409	4.13	7.96	6.49	0.97
RIVO	RIVO_VALLE	30.667*	Max WS	23.06	122.80	124.72	124.74	125.42	0.012404	4.12	7.97	6.50	0.97
RIVO	RIVO_VALLE	30.660*	Max WS	23.06	122.79	124.71	124.73	125.40	0.012412	4.12	7.97	6.51	0.97
RIVO	RIVO_VALLE	30.653*	Max WS	23.06	122.78	124.69	124.71	125.39	0.012414	4.12	7.97	6.52	0.97
RIVO	RIVO_VALLE	30.647*	Max WS	23.06	122.77	124.68	124.70	125.38	0.012439	4.12	7.97	6.52	0.97
RIVO	RIVO_VALLE	30.640*	Max WS	23.06	122.76	124.67	124.69	125.36	0.012449	4.11	7.97	6.53	0.97
RIVO	RIVO_VALLE	30.633*	Max WS	23.06	122.75	124.66	124.68	125.35	0.012449	4.11	7.97	6.54	0.97
RIVO	RIVO_VALLE	30.626*	Max WS	23.06	122.74	124.64	124.66	125.34	0.012462	4.11	7.98	6.54	0.97
RIVO	RIVO_VALLE	30.620*	Max WS	23.06	122.73	124.63	124.65	125.32	0.012473	4.10	7.98	6.55	0.97
RIVO	RIVO_VALLE	30.613*	Max WS	23.06	122.72	124.62	124.64	125.31	0.012478	4.10	7.98	6.56	0.97
RIVO	RIVO_VALLE	30.606*	Max WS	23.06	122.71	124.61	124.63	125.30	0.012492	4.10	7.98	6.57	0.97
RIVO	RIVO_VALLE	30.599*	Max WS	23.06	122.70	124.59	124.61	125.28	0.012503	4.10	7.98	6.57	0.97
RIVO	RIVO_VALLE	30.593*	Max WS	23.06	122.69	124.58	124.60	125.27	0.012514	4.09	7.98	6.58	0.98
RIVO	RIVO_VALLE	30.586*	Max WS	23.06	122.68	124.57	124.59	125.26	0.012531	4.09	7.98	6.59	0.98
RIVO	RIVO_VALLE	30.579*	Max WS	23.06	122.67	124.56	124.58	125.24	0.012540	4.09	7.99	6.60	0.98
RIVO	RIVO_VALLE	30.572*	Max WS	23.06	122.66	124.54	124.56	125.23	0.012553	4.09	7.99	6.60	0.98
RIVO	RIVO_VALLE	30.566*	Max WS	23.06	122.65	124.53	124.55	125.22	0.012566	4.09	7.99	6.61	0.98
RIVO	RIVO_VALLE	30.563	Lat Struct										
RIVO	RIVO_VALLE	30.562	Lat Struct										
RIVO	RIVO_VALLE	30.559*	Max WS	23.05	122.64	124.52	124.54	125.21	0.012587	4.08	7.99	6.62	0.98
RIVO	RIVO_VALLE	30.552*	Max WS	23.05	122.63	124.51	124.53	125.19	0.012593	4.08	7.99	6.62	0.98
RIVO	RIVO_VALLE	30.546*	Max WS	23.05	122.62	124.49	124.51	125.18	0.012607	4.08	7.99	6.63	0.98
RIVO	RIVO_VALLE	30.539*	Max WS	23.05	122.60	124.48	124.50	125.17	0.012608	4.08	7.99	6.64	0.98
RIVO	RIVO_VALLE	30.532*	Max WS	23.05	122.60	124.47	124.49	125.15	0.012630	4.08	7.99	6.64	0.98
RIVO	RIVO_VALLE	30.525*	Max WS	23.05	122.59	124.46	124.48	125.14	0.012645	4.07	7.99	6.65	0.98
RIVO	RIVO_VALLE	30.519*	Max WS	23.05	122.58	124.44	124.46	125.13	0.012650	4.07	8.00	6.66	0.98
RIVO	RIVO_VALLE	30.512*	Max WS	23.04	122.57	124.43	124.45	125.11	0.012677	4.07	7.99	6.66	0.98
RIVO	RIVO_VALLE	30.505*	Max WS	23.04	122.55	124.42	124.44	125.10	0.012686	4.07	7.99	6.67	0.98
RIVO	RIVO_VALLE	30.498*	Max WS	23.04	122.55	124.41	124.43	125.09	0.012716	4.07	7.99	6.68	0.98
RIVO	RIVO_VALLE	30.492*	Max WS	23.04	122.54	124.39	124.41	125.07	0.012722	4.06	7.99	6.69	0.98
RIVO	RIVO_VALLE	30.485*	Max WS	23.04	122.53	124.38	124.40	125.06	0.012738	4.06	7.99	6.69	0.98
RIVO	RIVO_VALLE	30.478*	Max WS	23.03	122.52	124.37	124.39	125.05	0.012753	4.06	7.99	6.70	0.98
RIVO	RIVO_VALLE	30.471*	Max WS	23.03	122.50	124.36	124.37	125.03	0.012779	4.06	7.99	6.71	0.98
RIVO	RIVO_VALLE	30.465*	Max WS	23.03	122.50	124.34	124.36						

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_VALLE	30.364		Lat Struct									
RIVO	RIVO_VALLE	30.3639*	Max WS	22.95	122.34	124.15	124.17	124.82	0.013096	4.03	7.97	6.81	0.99
RIVO	RIVO_VALLE	30.357*	Max WS	22.95	122.33	124.14	124.15	124.80	0.013129	4.03	7.96	6.82	0.99
RIVO	RIVO_VALLE	30.350*	Max WS	22.94	122.32	124.12	124.14	124.79	0.013153	4.03	7.96	6.83	0.99
RIVO	RIVO_VALLE	30.343*	Max WS	22.94	122.31	124.11	124.13	124.78	0.013184	4.03	7.96	6.83	0.99
RIVO	RIVO_VALLE	30.337*	Max WS	22.95	122.30	124.10	124.12	124.76	0.013236	4.03	7.95	6.84	0.99
RIVO	RIVO_VALLE	30.330*	Max WS	22.96	122.29	124.08	124.11	124.75	0.013289	4.03	7.95	6.84	0.99
RIVO	RIVO_VALLE	30.323*	Max WS	22.97	122.28	124.07	124.09	124.74	0.013339	4.03	7.94	6.85	0.99
RIVO	RIVO_VALLE	30.317*	Max WS	22.98	122.27	124.06	124.08	124.73	0.013371	4.03	7.94	6.86	1.00
RIVO	RIVO_VALLE	30.310*	Max WS	22.98	122.26	124.04	124.07	124.71	0.013427	4.04	7.94	6.86	1.00
RIVO	RIVO_VALLE	30.303*	Max WS	22.99	122.25	124.03	124.06	124.70	0.013478	4.04	7.93	6.87	1.00
RIVO	RIVO_VALLE	30.296*	Max WS	23.00	122.24	124.02	124.05	124.69	0.013538	4.04	7.93	6.87	1.00
RIVO	RIVO_VALLE	30.290*	Max WS	22.99	122.23	124.00	124.04	124.67	0.013581	4.04	7.92	6.88	1.00
RIVO	RIVO_VALLE	30.283*	Max WS	22.99	122.22	123.99	124.02	124.66	0.013630	4.04	7.91	6.89	1.00
RIVO	RIVO_VALLE	30.276*	Max WS	22.98	122.21	123.98	124.01	124.65	0.013669	4.04	7.91	6.89	1.00
RIVO	RIVO_VALLE	30.269*	Max WS	22.98	122.20	123.96	124.00	124.63	0.013721	4.04	7.90	6.90	1.01
RIVO	RIVO_VALLE	30.263*	Max WS	22.97	122.19	123.95	123.98	124.62	0.013777	4.04	7.89	6.90	1.01
RIVO	RIVO_VALLE	30.256*	Max WS	22.97	122.18	123.94	123.97	124.61	0.013822	4.05	7.88	6.91	1.01
RIVO	RIVO_VALLE	30.249*	Max WS	22.96	122.17	123.92	123.96	124.59	0.013872	4.05	7.88	6.91	1.01
RIVO	RIVO_VALLE	30.242*	Max WS	22.96	122.16	123.91	123.95	124.58	0.013939	4.05	7.87	6.92	1.01
RIVO	RIVO_VALLE	30.236*	Max WS	22.95	122.15	123.89	123.93	124.57	0.014003	4.05	7.86	6.92	1.01
RIVO	RIVO_VALLE	30.229*	Max WS	22.95	122.14	123.88	123.92	124.55	0.014052	4.05	7.85	6.93	1.01
RIVO	RIVO_VALLE	30.222*	Max WS	22.95	122.13	123.87	123.90	124.54	0.014118	4.05	7.84	6.93	1.02
RIVO	RIVO_VALLE	30.216*	Max WS	22.94	122.12	123.85	123.89	124.53	0.014196	4.06	7.83	6.94	1.02
RIVO	RIVO_VALLE	30.209*	Max WS	22.94	122.11	123.84	123.88	124.52	0.014268	4.06	7.82	6.94	1.02
RIVO	RIVO_VALLE	30.202*	Max WS	22.94	122.10	123.82	123.87	124.50	0.014351	4.07	7.81	6.95	1.02
RIVO	RIVO_VALLE	30.195*	Max WS	22.94	122.09	123.81	123.85	124.49	0.014431	4.07	7.79	6.95	1.03
RIVO	RIVO_VALLE	30.189*	Max WS	22.94	122.08	123.80	123.84	124.48	0.014520	4.07	7.78	6.96	1.03
RIVO	RIVO_VALLE	30.182*	Max WS	22.94	122.07	123.78	123.83	124.46	0.014619	4.08	7.77	6.96	1.03
RIVO	RIVO_VALLE	30.175*	Max WS	22.93	122.06	123.77	123.82	124.45	0.014704	4.08	7.75	6.97	1.03
RIVO	RIVO_VALLE	30.168*	Max WS	22.93	122.05	123.75	123.80	124.44	0.014787	4.09	7.74	6.97	1.04
RIVO	RIVO_VALLE	30.167		Lat Struct									
RIVO	RIVO_VALLE	30.166		Lat Struct									
RIVO	RIVO_VALLE	30.162*	Max WS	22.92	122.04	123.74	123.79	124.42	0.014870	4.09	7.73	6.97	1.04
RIVO	RIVO_VALLE	30.155*	Max WS	22.91	122.03	123.72	123.78	124.41	0.014978	4.09	7.71	6.98	1.04
RIVO	RIVO_VALLE	30.148*	Max WS	22.90	122.02	123.71	123.77	124.40	0.015073	4.10	7.69	6.98	1.04
RIVO	RIVO_VALLE	30.141*	Max WS	22.89	122.01	123.69	123.75	124.38	0.015174	4.10	7.67	6.98	1.05
RIVO	RIVO_VALLE	30.135*	Max WS	22.88	122.00	123.68	123.74	124.37	0.015273	4.11	7.66	6.99	1.05
RIVO	RIVO_VALLE	30.128*	Max WS	22.87	121.99	123.66	123.73	124.36	0.015400	4.11	7.64	6.99	1.05
RIVO	RIVO_VALLE	30.121*	Max WS	22.86	121.98	123.65	123.71	124.35	0.015521	4.12	7.62	6.99	1.06
RIVO	RIVO_VALLE	30.114*	Max WS	22.85	121.97	123.63	123.70	124.33	0.015647	4.13	7.60	7.00	1.06
RIVO	RIVO_VALLE	30.108*	Max WS	22.85	121.96	123.61	123.69	124.32	0.015792	4.14	7.57	7.00	1.07
RIVO	RIVO_VALLE	30.101*	Max WS	22.84	121.95	123.60	123.68	124.31	0.015939	4.14	7.55	7.00	1.07
RIVO	RIVO_VALLE	30.094*	Max WS	22.83	121.94	123.58	123.66	124.29	0.016096	4.15	7.53	7.00	1.07
RIVO	RIVO_VALLE	30.088*	Max WS	22.83	121.93	123.57	123.65	124.28	0.016259	4.16	7.50	7.00	1.08
RIVO	RIVO_VALLE	30.081*	Max WS	22.82	121.92	123.55	123.64	124.27	0.016431	4.17	7.48	7.00	1.08
RIVO	RIVO_VALLE	30.074*	Max WS	22.82	121.91	123.53	123.63	124.26	0.016603	4.18	7.45	7.00	1.09
RIVO	RIVO_VALLE	30.067*	Max WS	22.81	121.90	123.52	123.61	124.24	0.016817	4.20	7.42	7.01	1.09
RIVO	RIVO_VALLE	30.061*	Max WS	22.81	121.89	123.50	123.60	124.23	0.017031	4.21	7.39	7.01	1.10
RIVO	RIVO_VALLE	30.054*	Max WS	22.81	121.88	123.48	123.59	124.22	0.017255	4.22	7.36	7.00	1.11
RIVO	RIVO_VALLE	30.047*	Max WS	22.80	121.87	123.47	123.58	124.21	0.017473	4.24	7.33	7.01	1.11
RIVO	RIVO_VALLE	30.040*	Max WS	22.80	121.86	123.45	123.56	124.20	0.017750	4.26	7.29	7.00	1.12
RIVO	RIVO_VALLE	30.034*	Max WS	22.80	121.85	123.43	123.55	124.19	0.018027	4.27	7.25	7.00	1.13
RIVO	RIVO_VALLE	30.027*	Max WS	22.80	121.84	123.41	123.54	124.17	0.018315	4.29	7.21	7.00	1.14
RIVO	RIVO_VALLE	30.020*	Max WS	22.80	121.83	123.39	123.53	124.16	0.018630	4.31	7.17	7.00	1.14
RIVO	RIVO_VALLE	30.013*	Max WS	22.79	121.82	123.38	123.51	124.15	0.018974	4.33	7.13	7.00	1.15
RIVO	RIVO_VALLE	30.007*	Max WS	22.79	121.81	123.36	123.50	124.14	0.019401	4.36	7.08	6.99	1.17
RIVO	RIVO_VALLE	30	Max WS	22.79	121.80	123.34	123.36	123.90	0.022059	3.69	7.46	7.35	1.11
RIVO	RIVO_VALLE	29.669		Lat Struct									
RIVO	RIVO_VALLE	29.668		Lat Struct									
RIVO	RIVO_VALLE	29.667*	Max WS	22.68	121.78	123.23	123.35	124.02	0.020569	4.43	7.09	7.07	1.20
RIVO	RIVO_VALLE	29.333*	Max WS	22.55	121.73	123.12	123.39	124.00	0.023528	4.69	6.70	6.87	1.29
RIVO	RIVO_VALLE	29	Max WS	22.61	121.66	122.66	123.42	127.34	0.168563	10.01	2.48	5.23	3.26
RIVO	RIVO_VALLE	28.919		Lat Struct									
RIVO	RIVO_VALLE	28.918		Lat Struct									
RIVO	RIVO_VALLE	28.917*	Max WS	22.61	121.49	122.49	123.28	127.39	0.171311	10.10	2.44	5.27	3.28
RIVO	RIVO_VALLE	28.833*	Max WS	22.61	121.32	122.33	123.14	127.28	0.168397	10.02	2.43	5.05	3.25
RIVO	RIVO_VALLE	28.750*	Max WS	22.61	121.16	122.17	122.99	126.93	0.157841	9.75	2.45	4.77	3.15
RIVO	RIVO_VALLE	28.667*	Max WS	22.61	120.99	122.03	122.85	126.37	0.138509	9.27	2.53	4.50	2.96
RIVO	RIVO_VALLE	28.583*	Max WS	22.61	120.82	121.91	122.75	125.65	0.112098	8.58	2.70	4.28	2.69
RIVO	RIVO_VALLE	28.500*	Max WS	22.61	120.65	121.81	122.66	124.88	0.084118	7.76	2.97	4.20	2.35
RIVO	RIVO_VALLE	28.417*	Max WS	22.60	120.48	121.74	122.45	124.17	0.069756	6.91	3.31	4.16	2.01
RIVO	RIVO_VALLE	28.333*	Max WS	22.60	120.31	121.69	122.26	123.62	0.041851	6.15	3.67	4.17	1.71
RIVO	RIVO_VALLE	28.250*	Max WS	22.60	120.14	121.66	122.09	123.24	0.030167	5.57	4.06	4.21	1.47
RIVO	RIVO_VALLE	28.167*	Max WS	22.60	119.98	121.63	121.92	122.94	0.022045	5.06	4.48	4.19	1.28
RIVO	RIVO_VALLE	28.083*	Max WS	22.60	119.81	121.61	121.75	122.72	0.016615	4.67	4.91	4.12	1.13
RIVO	RIVO_VALLE	28	Max WS	22.60	119.64	121.60	121.59	122.54	0.012747	4.32	5.35	3.99	1.00
RIVO	RIVO_VALLE	27.752		Lat Struct									
RIVO	RIVO_VALLE	27.751		Lat Struct									
RIVO	RIVO_VALLE	27.750*	Max WS	22.60	119.62	121.55	121.46	122.33	0.010912	3.99	6.54	4.14	0.93
RIVO	RIVO_VALLE	27.500*	Max WS	22.60	119.58	121.50	121.51	122.36	0.012087	4.21	6.48	4.70	0.98
RIVO	RIVO_VALLE	27.250*	Max WS	22.59	119.51	121.45	121.51	122.38	0.013477	4.45	6.40	4.39	1.03
RIVO	RIVO_VALLE	27	Max WS	22.58	119.44	121.39	121.48	122.41	0.015374	4.73	6.22	4.01	1.10
RIVO	RIVO_VALLE	26.933*	Max WS	22.58	119.34	121.32	121.46	122.30	0.014508	4.66	6.60	4.98	1.07
RIVO	RIVO_VALLE	26.867*	Max WS	22.71	119.24	121.25	121.42	122.20	0.013825	4.61	6.98	5.95	1.05
RIVO	RIVO_VALLE	26.802		Lat Struct									
RIVO	RIVO_VALLE	26.801		Lat Struct									
RIVO	RIVO_VALLE	26.800*	Max WS	22.67	119.13	121.19	121.37	122.09	0.012885	4.52	7.39	6.92	1.02
RIVO	RIVO_VALLE	26.733*	Max WS	22.66	119.03	121.13	121.31	121.98	0.011962	4.43	7.83	7.89	0.98
RIVO	RIVO_VALLE	26.667*	Max WS	22.66	118.93	121.07	121.24	121.87	0.011035	4.33	8.32	8.86	0.95
RIVO	RIVO_VALLE	26.600*	Max WS	22.57	118.82	121.02	120.67	121.76	0.010000	4.20	8.88	9.83	0.91
RIVO	RIVO_VALLE	26.533*	Max WS	22.56	118.72	120.98	120.58	121.65	0.009041	4.07	9		

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_VALLE	25.333*	Max WS	22.76	117.97	120.81		121.22	0.004400	3.31	12.77	10.61	0.63
RIVO	RIVO_VALLE	25	Max WS	22.95	118.03	120.79	120.18	121.19	0.004447	3.27	11.74	6.63	0.63
RIVO	RIVO_VALLE	24.50 Accesso Privato	Bridge										
RIVO	RIVO_VALLE	24	Max WS	22.95	118.15	120.74		120.80	0.000886	1.40	31.34	24.83	0.28
RIVO	RIVO_VALLE	23.6	Lat Struct										
RIVO	RIVO_VALLE	23.5	Lat Struct										
RIVO	RIVO_VALLE	23	Max WS	22.91	118.15	120.74	119.67	120.80	0.000974	1.44	33.01	31.57	0.29
RIVO	RIVO_VALLE	22.50 Autostrada	Bridge										
RIVO	RIVO_VALLE	22	Max WS	22.91	115.98	119.67		119.76	0.000667	1.40	18.67	21.95	0.24
RIVO	RIVO_VALLE	21.753	Lat Struct										
RIVO	RIVO_VALLE	21.751	Lat Struct										
RIVO	RIVO_VALLE	21.750*	Max WS	22.74	116.13	119.67		119.77	0.000773	1.49	23.59	18.84	0.26
RIVO	RIVO_VALLE	21.500*	Max WS	22.59	116.27	119.64		119.77	0.001096	1.76	19.50	11.85	0.31
RIVO	RIVO_VALLE	21.250*	Max WS	22.44	116.42	119.62		119.78	0.001489	2.02	17.36	8.79	0.37
RIVO	RIVO_VALLE	21	Max WS	22.36	116.52	119.58		119.79	0.002280	2.46	15.22	7.71	0.45
RIVO	RIVO_VALLE	20.875*	Max WS	22.32	116.52	119.56		119.79	0.002468	2.56	14.96	7.83	0.47
RIVO	RIVO_VALLE	20.750*	Max WS	22.26	116.51	119.55		119.78	0.002654	2.65	14.75	7.94	0.49
RIVO	RIVO_VALLE	20.627	Lat Struct										
RIVO	RIVO_VALLE	20.626	Lat Struct										
RIVO	RIVO_VALLE	20.625*	Max WS	22.10	116.50	119.53		119.78	0.002812	2.73	14.60	8.06	0.51
RIVO	RIVO_VALLE	20.500*	Max WS	21.92	116.50	119.52		119.77	0.002948	2.80	14.52	8.18	0.52
RIVO	RIVO_VALLE	20.375*	Max WS	21.58	116.49	119.51		119.76	0.003011	2.83	14.52	8.31	0.52
RIVO	RIVO_VALLE	20.250*	Max WS	21.24	116.49	119.51		119.75	0.003051	2.86	14.59	8.44	0.53
RIVO	RIVO_VALLE	20.125*	Max WS	20.91	116.49	119.51		119.73	0.003079	2.88	14.70	8.57	0.53
RIVO	RIVO_VALLE	20	Max WS	20.62	116.48	119.50		119.72	0.003095	2.90	14.87	8.70	0.53
RIVO	RIVO_VALLE	19.803	Lat Struct										
RIVO	RIVO_VALLE	19.801	Lat Struct										
RIVO	RIVO_VALLE	19.800*	Max WS	20.35	116.42	119.49		119.71	0.002817	2.79	14.85	8.60	0.51
RIVO	RIVO_VALLE	19.605	Lat Struct										
RIVO	RIVO_VALLE	19.600*	Max WS	20.15	116.37	119.48		119.70	0.002615	2.71	14.84	8.74	0.49
RIVO	RIVO_VALLE	19.400*	Max WS	19.98	116.31	119.47		119.68	0.002405	2.62	14.88	8.87	0.47
RIVO	RIVO_VALLE	19.205	Lat Struct										
RIVO	RIVO_VALLE	19.200*	Max WS	19.72	116.26	119.47		119.67	0.002154	2.51	15.01	8.99	0.45
RIVO	RIVO_VALLE	19	Max WS	19.39	116.20	119.47		119.66	0.001898	2.38	15.21	9.12	0.42
RIVO	RIVO_VALLE	18.500*	Max WS	19.17	116.09	119.47		119.64	0.001341	2.04	15.68	8.44	0.36
RIVO	RIVO_VALLE	18.3	Lat Struct										
RIVO	RIVO_VALLE	18.2	Lat Struct										
RIVO	RIVO_VALLE	18	Max WS	19.05	115.98	119.48		119.63	0.001030	1.83	15.15	6.48	0.31
RIVO	RIVO_VALLE	17.750*	Max WS	19.09	115.98	119.48		119.63	0.001036	1.83	15.14	6.48	0.32
RIVO	RIVO_VALLE	17.500*	Max WS	19.14	115.98	119.47		119.63	0.001041	1.84	15.14	6.47	0.32
RIVO	RIVO_VALLE	17.250*	Max WS	19.13	115.98	119.47		119.62	0.001041	1.84	15.13	6.47	0.32
RIVO	RIVO_VALLE	17	Max WS	19.17	115.98	119.47	117.77	119.62	0.001047	1.84	15.12	6.47	0.32
RIVO	RIVO_VALLE	16.50 Ferrovia	Bridge										
RIVO	RIVO_VALLE	16	Max WS	19.26	115.83	118.82		119.10	0.002575	2.62	12.01	6.54	0.49
RIVO	RIVO_VALLE	15.803	Lat Struct										
RIVO	RIVO_VALLE	15.801	Lat Struct										
RIVO	RIVO_VALLE	15.800*	Max WS	19.40	115.75	118.84		119.07	0.002118	2.43	14.28	9.16	0.44
RIVO	RIVO_VALLE	15.600*	Max WS	19.21	115.67	118.84		119.05	0.001930	2.36	15.45	11.79	0.42
RIVO	RIVO_VALLE	15.400*	Max WS	18.88	115.58	118.83		119.05	0.001920	2.38	15.47	14.41	0.42
RIVO	RIVO_VALLE	15.200*	Max WS	18.45	115.50	118.81		119.06	0.002017	2.47	14.29	17.04	0.44
RIVO	RIVO_VALLE	15	Max WS	18.45	115.42	118.78		119.07	0.002241	2.63	11.97	15.04	0.46
RIVO	RIVO_VALLE	14.99	Lat Struct										
RIVO	RIVO_VALLE	14.98	Lat Struct										
RIVO	RIVO_VALLE	14.933*	Max WS	18.48	115.41	118.80		119.04	0.001943	2.47	14.11	18.41	0.43
RIVO	RIVO_VALLE	14.867*	Max WS	18.41	115.40	118.82		119.02	0.001606	2.26	16.27	18.05	0.39
RIVO	RIVO_VALLE	14.800*	Max WS	18.32	115.39	118.84		119.00	0.001338	2.08	18.08	17.24	0.36
RIVO	RIVO_VALLE	14.733*	Max WS	18.21	115.38	118.86		118.99	0.001136	1.92	19.55	16.44	0.33
RIVO	RIVO_VALLE	14.667*	Max WS	18.09	115.36	118.87		118.98	0.000983	1.80	20.70	15.63	0.31
RIVO	RIVO_VALLE	14.600*	Max WS	17.81	115.35	118.87		118.97	0.000852	1.68	21.56	14.83	0.29
RIVO	RIVO_VALLE	14.533*	Max WS	17.69	115.34	118.88		118.96	0.000766	1.60	22.16	14.02	0.27
RIVO	RIVO_VALLE	14.467*	Max WS	17.58	115.33	118.88		118.96	0.000703	1.54	22.50	13.22	0.26
RIVO	RIVO_VALLE	14.400*	Max WS	17.45	115.32	118.89		118.96	0.000656	1.49	22.59	12.41	0.25
RIVO	RIVO_VALLE	14.333*	Max WS	17.33	115.31	118.89		118.96	0.000626	1.46	22.44	11.61	0.25
RIVO	RIVO_VALLE	14.267*	Max WS	17.25	115.29	118.89		118.96	0.000613	1.45	22.03	10.80	0.24
RIVO	RIVO_VALLE	14.200*	Max WS	17.18	115.28	118.88		118.96	0.000616	1.45	21.39	10.00	0.25
RIVO	RIVO_VALLE	14.133*	Max WS	17.12	115.27	118.88		118.96	0.000637	1.48	20.51	9.19	0.25
RIVO	RIVO_VALLE	14.067*	Max WS	17.06	115.26	118.88		118.96	0.000676	1.53	19.40	8.39	0.26
RIVO	RIVO_VALLE	14	Max WS	17.00	115.25	118.87	117.02	118.96	0.000737	1.60	18.03	7.58	0.27
RIVO	RIVO_VALLE	13.50 Str. Di Maratta	Bridge										
RIVO	RIVO_VALLE	13	Max WS	17.00	115.21	117.28		117.85	0.008614	3.59	6.48	4.67	0.82
RIVO	RIVO_VALLE	12.99	Lat Struct										
RIVO	RIVO_VALLE	12.98	Lat Struct										
RIVO	RIVO_VALLE	12.967*	Max WS	17.00	115.20	117.27		117.84	0.008643	3.60	6.48	4.68	0.82
RIVO	RIVO_VALLE	12.933*	Max WS	17.00	115.19	117.26		117.84	0.008658	3.61	6.49	4.68	0.82
RIVO	RIVO_VALLE	12.900*	Max WS	17.00	115.18	117.26		117.83	0.008692	3.62	6.50	4.69	0.82
RIVO	RIVO_VALLE	12.867*	Max WS	17.00	115.17	117.25		117.82	0.008722	3.63	6.50	4.70	0.83
RIVO	RIVO_VALLE	12.833*	Max WS	17.00	115.16	117.24		117.82	0.008746	3.64	6.50	4.71	0.83
RIVO	RIVO_VALLE	12.800*	Max WS	17.00	115.15	117.23		117.81	0.008780	3.66	6.51	4.72	0.83
RIVO	RIVO_VALLE	12.767*	Max WS	17.00	115.14	117.22		117.80	0.008818	3.67	6.51	4.72	0.83
RIVO	RIVO_VALLE	12.733*	Max WS	17.00	115.13	117.21		117.79	0.008838	3.68	6.52	4.73	0.83
RIVO	RIVO_VALLE	12.700*	Max WS	17.00	115.12	117.20		117.79	0.008881	3.70	6.52	4.74	0.84
RIVO	RIVO_VALLE	12.667*	Max WS	17.00	115.11	117.19		117.78	0.008929	3.71	6.52	4.75	0.84
RIVO	RIVO_VALLE	12.633*	Max WS	17.00	115.10	117.18		117.77	0.008956	3.72	6.53	4.76	0.84
RIVO	RIVO_VALLE	12.600*	Max WS	17.00	115.09	117.17		117.77	0.009005	3.74	6.53	4.76	0.84
RIVO	RIVO_VALLE	12.567*	Max WS	17.00	115.08	117.16		117.76	0.009056	3.75	6.53	4.77	0.85
RIVO	RIVO_VALLE	12.533*	Max WS	17.00	115.07	117.16		117.75	0.009088	3.77	6.53	4.78	0.85
RIVO	RIVO_VALLE	12.500*	Max WS	17.00	115.06	117.15		117.75	0.009142	3.78	6.53	4.78	0.85
RIVO	RIVO_VALLE	12.467*	Max WS	17.00	115.05	117.14	117.00	117.74	0.009196	3.80	6.53	4.79	0.85
RIVO	RIVO_VALLE	12.433*	Max WS	17.00	115.04	117.13	116.99	117.73	0.009238	3.81	6.53	4.80	0.86
RIVO	RIVO_VALLE	12.400*	Max WS	17.00	115.03	117.12	116.98	117.73	0.009300	3.83	6.53	4.81	0.86
RIVO	RIVO_VALLE	12.367*	Max WS	17.00	115.02	117.11	116.98	117.72	0.009366	3.85	6.53	4.81	0.86
RIVO	RIVO_VALLE	12.333*	Max WS	17.00	115.01	117.10	116.97	117.71	0.009416	3.86	6.53	4.82	0.87
RIVO	RIVO_VALLE	12.300*	Max WS	17.00	115.00	117.09	116.97	117.71	0.009486	3.88	6.53	4.83	0.87
RIVO	RIVO_VALLE	12.267*	Max WS	17.00	114.99	117.08	116.96	117.70	0.009561	3.90	6.52	4.83	0.87
RIVO	RIVO_VALLE	12.233*	Max WS	17.00	114.98	117.07	116.96	117.69	0.009613	3.92	6.53	4.84	0.88
RIVO	RIVO_VALLE	12.200*	Max WS	17.00	114.97	117.06	116.95	117.69	0.009696	3.94	6.52	4.84	0.88
RIVO	RIVO_VALLE	12.167*	Max WS	17.00	114.96	117.05	116.95	117.68	0.009776	3.96	6.52	4.85	0.88
RIVO	RIVO_VALLE	12.133*	Max WS	17.00	114.95	117.04	116.94	117.67	0.009853	3.97	6.51	4.85	0.89
RIVO	RIVO_VALLE	12.100*	Max WS	17.00	114.94	117.03	116.94	117.67	0.009941	4.00	6.51	4.86	0.89
RIVO	RIVO_VALLE	12.067*	Max WS	17.00	114.93	117.02	116.93	117.66</					

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_VALLE	11.944*	Max WS	17.00	114.81	116.89	116.82	117.54	0.010193	4.05	6.52	4.91	0.90
RIVO	RIVO_VALLE	11.917*	Max WS	17.00	114.76	116.84	116.77	117.49	0.010186	4.05	6.53	4.92	0.90
RIVO	RIVO_VALLE	11.889*	Max WS	17.00	114.71	116.79	116.72	117.44	0.010174	4.05	6.55	4.94	0.90
RIVO	RIVO_VALLE	11.861*	Max WS	17.00	114.66	116.74	116.66	117.39	0.010152	4.04	6.56	4.96	0.90
RIVO	RIVO_VALLE	11.833*	Max WS	17.00	114.61	116.69	116.61	117.33	0.010116	4.04	6.58	4.98	0.90
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	17.00	114.56	116.64	116.56	117.28	0.010095	4.03	6.60	5.00	0.90
RIVO	RIVO_VALLE	11.778*	Max WS	17.00	114.51	116.59	116.51	117.23	0.010055	4.03	6.62	5.02	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	17.00	114.46	116.55	116.46	117.17	0.010007	4.02	6.64	5.04	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	17.00	114.41	116.50	116.41	117.12	0.009972	4.01	6.67	5.06	0.90
RIVO	RIVO_VALLE	11.694*	Max WS	17.00	114.36	116.45	116.36	117.07	0.009912	4.00	6.69	5.08	0.89
RIVO	RIVO_VALLE	11.667*	Max WS	17.00	114.31	116.40	116.30	117.02	0.009858	3.99	6.72	5.11	0.89
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	17.00	114.26	116.35	116.25	116.96	0.009763	3.98	6.76	5.13	0.89
RIVO	RIVO_VALLE	11.611*	Max WS	17.00	114.21	116.31	116.20	116.91	0.009679	3.97	6.79	5.16	0.88
RIVO	RIVO_VALLE	11.583*	Max WS	17.00	114.16	116.26	116.15	116.86	0.009585	3.95	6.83	5.19	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	17.00	114.11	116.21	116.10	116.81	0.009471	3.93	6.88	5.22	0.87
RIVO	RIVO_VALLE	11.528*	Max WS	17.00	114.05	116.17	116.05	116.75	0.009332	3.91	6.93	5.25	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	17.00	114.01	116.13		116.70	0.009194	3.89	6.98	5.28	0.86
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	17.00	113.96	116.08		116.65	0.009033	3.87	7.05	5.32	0.85
RIVO	RIVO_VALLE	11.444*	Max WS	17.00	113.90	116.04		116.60	0.008848	3.84	7.12	5.36	0.85
RIVO	RIVO_VALLE	11.417*	Max WS	17.00	113.85	116.00		116.55	0.008743	3.82	7.18	5.51	0.84
RIVO	RIVO_VALLE	11.389*	Max WS	17.00	113.80	115.96		116.51	0.008663	3.82	7.26	5.74	0.84
RIVO	RIVO_VALLE	11.361*	Max WS	17.00	113.75	115.92		116.46	0.008494	3.79	7.35	5.88	0.83
RIVO	RIVO_VALLE	11.333*	Max WS	17.00	113.70	115.88		116.41	0.008213	3.74	7.46	5.90	0.82
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	17.00	113.65	115.85		116.36	0.007925	3.70	7.59	5.93	0.80
RIVO	RIVO_VALLE	11.278*	Max WS	17.00	113.60	115.82		116.31	0.007596	3.64	7.73	5.96	0.79
RIVO	RIVO_VALLE	11.250*	Max WS	17.00	113.55	115.79		116.26	0.007243	3.58	7.89	5.99	0.77
RIVO	RIVO_VALLE	11.222*	Max WS	17.00	113.50	115.76		116.21	0.006901	3.52	8.06	6.02	0.75
RIVO	RIVO_VALLE	11.194*	Max WS	17.00	113.45	115.74		116.17	0.006529	3.45	8.26	6.06	0.74
RIVO	RIVO_VALLE	11.167*	Max WS	17.00	113.40	115.72		116.13	0.006157	3.38	8.47	6.06	0.72
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	16.99	113.35	115.70		116.09	0.005763	3.30	8.69	6.05	0.69
RIVO	RIVO_VALLE	11.111*	Max WS	16.97	113.30	115.69		116.05	0.005378	3.22	8.93	6.04	0.67
RIVO	RIVO_VALLE	11.083*	Max WS	16.93	113.25	115.67		116.02	0.004996	3.13	9.19	6.03	0.65
RIVO	RIVO_VALLE	11.056*	Max WS	16.88	113.20	115.66		115.99	0.004612	3.05	9.46	6.02	0.63
RIVO	RIVO_VALLE	11.028*	Max WS	16.78	113.15	115.66		115.96	0.004218	2.95	9.76	6.01	0.60
RIVO	RIVO_VALLE	11	Max WS	16.86	113.10	115.64		115.93	0.004002	2.90	10.00	6.00	0.59
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	16.86	113.04	115.64		115.90	0.003455	2.75	10.71	6.45	0.55
RIVO	RIVO_VALLE	10.667*	Max WS	16.66	112.97	115.66		115.87	0.002827	2.54	11.60	6.89	0.50
RIVO	RIVO_VALLE	10.500*	Max WS	16.34	112.89	115.67		115.85	0.002248	2.32	12.65	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	15.82	112.81	115.69		115.83	0.001727	2.08	13.85	7.79	0.39
RIVO	RIVO_VALLE	10.167*	Max WS	15.01	112.73	115.71		115.82	0.001266	1.82	15.19	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	13.98	112.65	115.74	114.64	115.81	0.000894	1.56	16.64	8.68	0.29
RIVO	RIVO_VALLE	9.50 Inizio Tratto In	Bridge										
RIVO	RIVO_VALLE	9	Max WS	13.95	112.24	114.23		114.87	0.008085	3.53	3.96	5.35	0.80
RIVO	RIVO_VALLE	8.9474*	Max WS	13.94	112.19	114.22		114.50	0.003994	2.52	7.30	5.47	0.57
RIVO	RIVO_VALLE	8.8947*	Max WS	13.93	112.14	114.22		114.50	0.003796	2.49	7.47	5.47	0.55
RIVO	RIVO_VALLE	8.8421*	Max WS	13.92	112.09	114.23		114.49	0.003612	2.46	7.65	5.48	0.54
RIVO	RIVO_VALLE	8.7895*	Max WS	13.91	112.04	114.23		114.49	0.003445	2.44	7.83	5.48	0.53
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	13.91	112.00	114.23		114.48	0.003297	2.41	8.01	5.49	0.52
RIVO	RIVO_VALLE	8.6842*	Max WS	13.92	111.95	114.23		114.48	0.003168	2.39	8.18	5.49	0.51
RIVO	RIVO_VALLE	8.6316*	Max WS	13.95	111.90	114.23		114.47	0.003059	2.38	8.36	5.50	0.50
RIVO	RIVO_VALLE	8.5789*	Max WS	13.96	111.85	114.23		114.47	0.002948	2.36	8.54	5.50	0.49
RIVO	RIVO_VALLE	8.5263*	Max WS	13.96	111.80	114.23		114.46	0.002851	2.34	8.72	5.51	0.48
RIVO	RIVO_VALLE	8.4737*	Max WS	13.97	111.75	114.24		114.46	0.002761	2.33	8.90	5.51	0.48
RIVO	RIVO_VALLE	8.4211*	Max WS	13.98	111.70	114.24		114.46	0.002682	2.31	9.08	5.52	0.47
RIVO	RIVO_VALLE	8.3684*	Max WS	14.00	111.65	114.24		114.45	0.002609	2.30	9.27	5.52	0.46
RIVO	RIVO_VALLE	8.3158*	Max WS	14.01	111.60	114.24		114.45	0.002547	2.29	9.44	5.53	0.46
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	14.03	111.56	114.24		114.45	0.002495	2.28	9.62	5.53	0.45
RIVO	RIVO_VALLE	8.2105*	Max WS	14.04	111.51	114.24		114.44	0.002440	2.27	9.81	5.54	0.44
RIVO	RIVO_VALLE	8.1579*	Max WS	14.05	111.46	114.24		114.44	0.002396	2.26	9.99	5.54	0.44
RIVO	RIVO_VALLE	8.1053*	Max WS	14.07	111.41	114.24		114.43	0.002356	2.25	10.18	5.55	0.43
RIVO	RIVO_VALLE	8.0526*	Max WS	13.90	111.36	114.24		114.43	0.002257	2.21	10.37	5.55	0.42
RIVO	RIVO_VALLE	8	Max WS	13.88	111.31	114.25		114.42	0.002214	2.19	10.57	5.56	0.41
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	13.77	111.21	114.26		114.41	0.002431	2.11	11.18	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	13.75	111.11	114.25		114.40	0.003478	2.18	10.66	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	14.11	111.07	114.23		114.39	0.003420	2.21	10.84	7.09	0.40
RIVO	RIVO_VALLE	7.7484*	Max WS	14.25	111.03	114.22		114.37	0.003225	2.19	11.07	7.14	0.40
RIVO	RIVO_VALLE	7.7226*	Max WS	14.26	111.00	114.20		114.35	0.002976	2.16	11.32	7.20	0.39
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	14.16	110.96	114.19		114.34	0.002687	2.10	11.61	7.25	0.38
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	14.04	110.92	114.19		114.32	0.002413	2.03	11.93	7.30	0.37
RIVO	RIVO_VALLE	7.6452*	Max WS	13.96	110.88	114.18		114.31	0.002176	1.98	12.25	7.36	0.35
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	13.95	110.84	114.17		114.30	0.001989	1.93	12.58	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	14.00	110.80	114.17		114.28	0.001837	1.90	12.91	7.48	0.34
RIVO	RIVO_VALLE	7.5677*	Max WS	14.04	110.77	114.16		114.27	0.001691	1.86	13.25	7.53	0.33
RIVO	RIVO_VALLE	7.5419*	Max WS	14.06	110.73	114.15		114.26	0.001555	1.83	13.60	7.59	0.32
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	14.08	110.69	114.15		114.26	0.001430	1.79	13.96	7.64	0.31
RIVO	RIVO_VALLE	7.4903*	Max WS	14.11	110.65	114.14		114.25	0.001317	1.75	14.33	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	14.16	110.61	114.14		114.24	0.001218	1.72	14.70	7.75	0.30
RIVO	RIVO_VALLE	7.4387*	Max WS	14.20	110.57	114.13		114.23	0.001128	1.69	15.07	7.81	0.29
RIVO	RIVO_VALLE												

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
RIVO	RIVO_VALLE	7.3355*	Max WS	14.09	110.41	114.12		114.20	0.000797	1.53	16.70	8.03	0.26
RIVO	RIVO_VALLE	7.3098	Lat Struct										
RIVO	RIVO_VALLE	7.3097*	Max WS	14.09	110.37	114.12		114.20	0.000736	1.50	17.12	8.09	0.25
RIVO	RIVO_VALLE	7.2839*	Max WS	14.09	110.33	114.12		114.19	0.000679	1.46	17.56	8.14	0.24
RIVO	RIVO_VALLE	7.2581*	Max WS	14.09	110.29	114.12		114.19	0.000628	1.43	18.00	8.20	0.24
RIVO	RIVO_VALLE	7.2323*	Max WS	14.09	110.25	114.12		114.19	0.000581	1.40	18.44	8.22	0.23
RIVO	RIVO_VALLE	7.2085*	Max WS	14.09	110.21	114.12		114.18	0.000538	1.37	18.90	8.27	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	14.09	110.18	114.12		114.18	0.000500	1.34	19.36	8.32	0.22
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	14.08	110.13	114.12		114.17	0.000464	1.31	19.83	8.38	0.21
RIVO	RIVO_VALLE	7.1290*	Max WS	14.08	110.10	114.11		114.17	0.000432	1.28	20.31	8.43	0.21
RIVO	RIVO_VALLE	7.1032*	Max WS	14.08	110.06	114.11		114.17	0.000403	1.25	20.79	8.48	0.20
RIVO	RIVO_VALLE	7.0774*	Max WS	14.08	110.02	114.11		114.17	0.000377	1.22	21.28	8.54	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	14.06	109.98	114.11		114.16	0.000352	1.19	21.77	8.59	0.19
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	14.04	109.94	114.11		114.16	0.000330	1.17	22.28	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	14.02	109.89	114.11		114.16	0.000309	1.14	22.78	8.69	0.18
RIVO	RIVO_VALLE	6.5000*	Max WS	14.00	109.88	114.11		114.16	0.000298	1.08	21.75	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	13.98	109.83	114.11	111.70	114.15	0.000296	1.03	20.88	7.58	0.16
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.75	108.99	111.71		111.74	0.000198	0.69	5.47	5.76	0.13
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.73	108.98	111.72		111.73	0.000127	0.55	8.89	6.50	0.11
RIVO	RIVO_VALLE	4	Max WS	3.71	108.96	111.72		111.73	0.000129	0.55	8.87	7.33	0.11
RIVO	RIVO_VALLE	3	Max WS	3.71	107.85	111.72		111.73	0.000048	0.43	11.48	7.59	0.07
RIVO	RIVO_VALLE	2.7500*	Max WS	3.79	107.72	111.72		111.73	0.000046	0.42	12.98	6.35	0.07
RIVO	RIVO_VALLE	2.5000*	Max WS	3.78	107.58	111.72		111.73	0.000040	0.41	14.96	7.29	0.06
RIVO	RIVO_VALLE	2.2500*	Max WS	3.77	107.45	111.72		111.73	0.000037	0.40	16.45	8.14	0.06
RIVO	RIVO_VALLE	2	Max WS	3.77	107.31	111.72		111.73	0.000035	0.39	17.48	8.96	0.06
RIVO	RIVO_VALLE	1.8889*	Max WS	3.76	107.22	111.72		111.72	0.000017	0.27	24.49	12.95	0.04
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.75	107.13	111.72		111.72	0.000009	0.20	33.90	16.97	0.03
RIVO	RIVO_VALLE	1.6667*	Max WS	3.74	107.04	111.72		111.72	0.000005	0.15	45.70	21.02	0.02
RIVO	RIVO_VALLE	1.5556*	Max WS	3.73	106.95	111.72		111.72	0.000003	0.11	59.93	25.08	0.02
RIVO	RIVO_VALLE	1.4444*	Max WS	3.73	106.85	111.72		111.72	0.000002	0.08	76.57	29.16	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	3.72	106.76	111.72		111.72	0.000001	0.07	95.65	33.22	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	3.87	106.67	111.72		111.72	0.000001	0.05	117.15	37.32	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	3.87	106.58	111.72		111.72	0.000000	0.04	141.06	41.45	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	111.72	107.02	111.72	0.000000	0.03	167.43	45.59	0.00
CALCINARE	CALCINARE	39	Max WS	19.32	184.17	185.48	185.56	186.19	0.041491	3.75	5.37	4.87	1.11
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.31	183.87	185.31	185.28	185.88	0.029263	3.38	6.11	5.42	0.95
CALCINARE	CALCINARE	38.929*	Max WS	30.95	183.57	185.08	185.43	186.37	0.061264	5.09	6.65	5.97	1.38
CALCINARE	CALCINARE	38.893*	Max WS	30.95	183.27	184.78	185.14	186.07	0.061391	5.11	6.72	6.49	1.39
CALCINARE	CALCINARE	38.857*	Max WS	30.93	182.97	184.48	184.85	185.78	0.062184	5.14	6.72	6.80	1.39
CALCINARE	CALCINARE	38.821*	Max WS	30.92	182.67	184.18	184.57	185.45	0.061567	5.12	6.75	5.73	1.39
CALCINARE	CALCINARE	38.786*	Max WS	30.92	182.37	183.88	184.29	185.14	0.061527	5.12	6.81	5.85	1.39
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	30.91	182.08	183.57	184.01	184.84	0.061449	5.13	6.86	5.96	1.39
CALCINARE	CALCINARE	38.714*	Max WS	30.91	181.78	183.27	183.73	184.53	0.061477	5.13	6.91	6.06	1.39
CALCINARE	CALCINARE	38.679*	Max WS	30.91	181.48	182.97	183.45	184.22	0.061298	5.13	6.96	6.16	1.39
CALCINARE	CALCINARE	38.643*	Max WS	30.90	181.18	182.67	182.92	183.92	0.061255	5.14	7.00	6.25	1.39
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	30.90	180.88	182.37	182.64	183.61	0.061302	5.15	7.04	6.33	1.39
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	30.89	180.58	182.07	182.37	183.30	0.061280	5.16	7.08	6.41	1.39
CALCINARE	CALCINARE	38.536*	Max WS	30.89	180.28	181.77	182.11	183.00	0.061217	5.16	7.12	6.49	1.39
CALCINARE	CALCINARE	38.500*	Max WS	30.89	179.98	181.47	181.82	182.69	0.061061	5.17	7.16	6.56	1.39
CALCINARE	CALCINARE	38.464*	Max WS	30.88	179.68	181.17	181.53	182.39	0.060949	5.17	7.20	6.63	1.39
CALCINARE	CALCINARE	38.429*	Max WS	30.88	179.38	180.87	181.23	182.08	0.060561	5.17	7.25	6.70	1.39
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	30.88	179.08	180.58	180.92	181.77	0.059825	5.16	7.32	6.78	1.38
CALCINARE	CALCINARE	38.357*	Max WS	30.87	178.78	180.28	180.61	181.46	0.058480	5.13	7.41	6.86	1.37
CALCINARE	CALCINARE	38.321*	Max WS	30.87	178.48	180.00	180.32	181.14	0.055659	5.06	7.58	6.97	1.34
CALCINARE	CALCINARE	38.286*	Max WS	30.87	178.18	179.74	180.02	180.80	0.050521	4.91	7.89	7.12	1.28
CALCINARE	CALCINARE	38.250*	Max WS	30.87	177.88	179.52	179.72	180.45	0.042405	4.65	8.45	7.36	1.18
CALCINARE	CALCINARE	38.214*	Max WS	30.86	177.59	179.33	179.42	180.11	0.032585	4.28	9.36	7.73	1.05
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	30.86	177.29	179.19	179.12	179.80	0.023037	3.83	10.71	8.22	0.90
CALCINARE	CALCINARE	38.143*	Max WS	30.85	176.99	179.10		179.56	0.015416	3.37	12.52	8.74	0.75
CALCINARE	CALCINARE	38.107*	Max WS	30.77	176.69	179.10		179.41	0.009076	2.83	15.31	9.27	0.59
CALCINARE	CALCINARE	38.071*	Max WS	30.81	176.39	179.11		179.36	0.006283	2.55	19.12	16.32	0.50
CALCINARE	CALCINARE	38.036*	Max WS	30.66	176.09	179.14		179.29	0.003552	2.08	25.13	19.27	0.38
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	30.27	175.79	179.17		179.26	0.002061	1.70	31.35	19.80	0.30
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	29.75	175.36	179.16		179.25	0.001793	1.71	30.63	15.27	0.28
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	28.84	174.92	179.14		179.26	0.001838	1.86	26.79	10.74	0.29
CALCINARE	CALCINARE	37	Max WS	26.12	174.49	179.11		179.26	0.002054	2.09	19.92	6.21	0.31
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	27.24	174.02	175.98	176.00	176.96	0.029066	4.38	6.49	3.69	1.01
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	27.43	173.88	175.84	176.00	176.95	0.033892	4.75	6.45	4.08	1.09
CALCINARE	CALCINARE	35.333*	Max WS	27.54	173.73	175.67	175.77	176.87	0.039271	5.09	6.50	4.58	1.17
CALCINARE	CALCINARE	35	Max WS	27.65	173.55	175.47	175.44	176.81	0.048342	5.57	6.57	5.72	1.30
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	27.84	173.33	175.26	175.25	176.55	0.044831	5.37	6.51	4.99	1.25
CALCINARE	CALCINARE	34.800*	Max WS	28.01	173.11	175.06	175.08	176.30	0.040975	5.18</			

HEC-RAS Plan: S1_TR200** Profile: Max WS (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
CALCINARE	CALCINARE	34.400*	Max WS	28.31	172.24	174.52		175.22	0.017144	3.75	8.64	6.97	0.80
CALCINARE	CALCINARE	34.302	Lat Struct										
CALCINARE	CALCINARE	34.300*	Max WS	28.63	172.02	174.45		175.02	0.012678	3.37	9.62	6.28	0.69
CALCINARE	CALCINARE	34.200*	Max WS	28.39	171.81	174.42		174.86	0.008868	2.96	10.66	5.58	0.59
CALCINARE	CALCINARE	34.100*	Max WS	28.95	171.58	174.42		174.78	0.006476	2.68	11.68	4.88	0.51
CALCINARE	CALCINARE	34.009	Lat Struct										
CALCINARE	CALCINARE	34	Max WS	30.15	171.36	174.42		174.74	0.005082	2.49	12.46	4.18	0.46
CALCINARE	CALCINARE	33.750*	Max WS	30.27	171.05	174.48		174.71	0.003199	2.11	15.10	4.64	0.37
CALCINARE	CALCINARE	33.500*	Max WS	30.06	170.74	174.53		174.69	0.002078	1.79	17.92	5.11	0.30
CALCINARE	CALCINARE	33.255	Lat Struct										
CALCINARE	CALCINARE	33.250*	Max WS	27.58	170.43	174.60		174.70	0.001171	1.42	21.08	5.57	0.23
CALCINARE	CALCINARE	33	Max WS	23.44	170.12	174.66	171.89	174.72	0.000589	1.05	24.43	6.03	0.16
CALCINARE	CALCINARE	32.50 Ponte su Ferrovi	Bridge										
CALCINARE	CALCINARE	32	Max WS	23.44	169.93	171.77		172.43	0.023673	3.68	6.65	19.31	0.89
CALCINARE	CALCINARE	31.670	Lat Struct										
CALCINARE	CALCINARE	31.669	Lat Struct										
CALCINARE	CALCINARE	31.667*	Max WS	23.75	169.77	171.70		171.93	0.011542	2.64	14.50	14.74	0.63
CALCINARE	CALCINARE	31.335	Lat Struct										
CALCINARE	CALCINARE	31.333*	Max WS	24.10	169.61	171.58		172.04	0.020637	3.54	10.36	9.91	0.83
CALCINARE	CALCINARE	31	Max WS	24.36	169.45	171.45	171.55	172.54	0.043480	5.08	6.50	5.03	1.20
CALCINARE	CALCINARE	30.933*	Max WS	24.59	169.21	171.23	171.34	172.35	0.044280	5.16	6.54	5.07	1.21
CALCINARE	CALCINARE	30.867*	Max WS	24.52	168.98	171.02	171.11	172.12	0.044214	5.19	6.58	5.11	1.21
CALCINARE	CALCINARE	30.800*	Max WS	24.40	168.74	170.80	170.88	171.90	0.043983	5.20	6.61	5.15	1.20
CALCINARE	CALCINARE	30.735	Lat Struct										
CALCINARE	CALCINARE	30.733*	Max WS	24.38	168.51	170.58	170.66	171.68	0.044306	5.24	6.65	5.18	1.21
CALCINARE	CALCINARE	30.669	Lat Struct										
CALCINARE	CALCINARE	30.667*	Max WS	24.12	168.27	170.37	170.43	171.44	0.043469	5.22	6.70	5.22	1.19
CALCINARE	CALCINARE	30.600*	Max WS	23.83	168.03	170.16	170.26	171.20	0.042443	5.19	6.76	5.27	1.18
CALCINARE	CALCINARE	30.533*	Max WS	23.50	167.80	169.96	170.03	170.95	0.040853	5.12	6.86	5.33	1.15
CALCINARE	CALCINARE	30.467*	Max WS	23.18	167.56	169.76	169.77	170.69	0.038689	5.03	7.00	5.42	1.12
CALCINARE	CALCINARE	30.400*	Max WS	23.63	167.33	169.57	169.54	170.50	0.038908	5.09	7.18	5.53	1.12
CALCINARE	CALCINARE	30.335	Lat Struct										
CALCINARE	CALCINARE	30.333*	Max WS	24.17	167.09	169.38	169.31	170.32	0.039788	5.18	7.34	5.65	1.13
CALCINARE	CALCINARE	30.269	Lat Struct										
CALCINARE	CALCINARE	30.267*	Max WS	24.74	166.85	169.18	169.11	170.16	0.041875	5.34	7.49	6.12	1.16
CALCINARE	CALCINARE	30.200*	Max WS	25.33	166.62	168.96	168.91	169.99	0.045128	5.53	7.53	6.35	1.19
CALCINARE	CALCINARE	30.133*	Max WS	25.58	166.38	168.74	169.06	169.78	0.048125	5.67	7.50	6.31	1.22
CALCINARE	CALCINARE	30.067*	Max WS	25.48	166.15	168.50	168.79	169.54	0.050690	5.73	7.38	5.91	1.24
CALCINARE	CALCINARE	30	Max WS	25.39	165.91	168.23	168.49	169.31	0.056246	5.90	7.14	5.68	1.28
CALCINARE	CALCINARE	29.752	Lat Struct										
CALCINARE	CALCINARE	29.750*	Max WS	25.61	165.69	168.01	168.19	169.03	0.040135	5.22	7.45	5.55	1.14
CALCINARE	CALCINARE	29.505	Lat Struct										
CALCINARE	CALCINARE	29.500*	Max WS	25.91	165.48	167.85	167.84	168.68	0.026987	4.44	8.08	5.20	0.96
CALCINARE	CALCINARE	29.250*	Max WS	26.07	165.26	167.75		168.37	0.017543	3.72	8.88	4.85	0.78
CALCINARE	CALCINARE	29	Max WS	25.54	165.04	167.76	167.06	168.17	0.009441	2.92	10.11	4.50	0.59
CALCINARE	CALCINARE	28.50 Ponte su Via del	Bridge										
CALCINARE	CALCINARE	28	Max WS	25.54	164.89	166.43	166.72	167.64	0.051737	4.99	5.67	4.28	1.30
CALCINARE	CALCINARE	27.508	Lat Struct										
CALCINARE	CALCINARE	27.505	Lat Struct										
CALCINARE	CALCINARE	27.500*	Max WS	25.68	164.44	166.25	166.61	167.38	0.043777	5.05	6.81	6.69	1.22
CALCINARE	CALCINARE	27.01	Lat Struct										
CALCINARE	CALCINARE	27	Max WS	25.71	163.99	166.08	166.42	167.36	0.046310	5.59	6.57	4.97	1.26
CALCINARE	CALCINARE	26.967*	Max WS	25.69	163.78	165.86	166.18	167.13	0.046229	5.57	6.57	4.98	1.26
CALCINARE	CALCINARE	26.933*	Max WS	25.67	163.57	165.63	165.94	166.89	0.046230	5.56	6.57	4.99	1.26
CALCINARE	CALCINARE	26.900*	Max WS	25.64	163.36	165.40	165.71	166.66	0.046116	5.54	6.57	5.01	1.26
CALCINARE	CALCINARE	26.867*	Max WS	25.63	163.15	165.17	165.49	166.43	0.046138	5.52	6.56	5.02	1.26
CALCINARE	CALCINARE	26.835	Lat Struct										
CALCINARE	CALCINARE	26.833*	Max WS	25.61	162.93	164.95	165.27	166.20	0.046149	5.51	6.56	5.03	1.26
CALCINARE	CALCINARE	26.802	Lat Struct										
CALCINARE	CALCINARE	26.800*	Max WS	25.59	162.72	164.72	164.96	165.97	0.046090	5.49	6.56	5.05	1.26
CALCINARE	CALCINARE	26.767*	Max WS	25.58	162.51	164.50	164.70	165.73	0.046027	5.47	6.57	5.06	1.26
CALCINARE	CALCINARE	26.733*	Max WS	25.56	162.30	164.27	164.48	165.50	0.045929	5.45	6.57	5.08	1.26
CALCINARE	CALCINARE	26.700*	Max WS	25.56	162.09	164.05	164.25	165.27	0.045837	5.43	6.58	5.10	1.26
CALCINARE	CALCINARE	26.667*	Max WS	25.55	161.88	163.82	163.98	165.04	0.045873	5.42	6.58	5.12	1.26
CALCINARE	CALCINARE	26.634	Lat Struct										
CALCINARE	CALCINARE	26.633*	Max WS	25.55	161.67	163.60	163.77	164.81	0.045796	5.40	6.59	5.14	1.26
CALCINARE	CALCINARE	26.602	Lat Struct										
CALCINARE	CALCINARE	26.600*	Max WS	25.54	161.45	163.37	163.55	164.58	0.045833	5.38	6.59	5.16	1.26
CALCINARE	CALCINARE	26.567*	Max WS	25.54	161.24	163.15	163.31	164.34	0.045770	5.36	6.60	5.18	1.26
CALCINARE	CALCINARE	26.533*	Max WS	25.54	161.03	162.92	163.06	164.11	0.045693	5.34	6.61	5.20	1.26
CALCINARE	CALCINARE	26.500*	Max WS	25.54	160.82	162.70	162.82	163.88	0.045580	5.32	6.63	5.22	1.25
CALCINARE	CALCINARE	26.467*	Max WS	25.53	160.61	162.48	162.57	163.65	0.045274	5.30	6.65	5.22	1.25
CALCINARE	CALCINARE	26.435	Lat Struct										
CALCINARE	CALCINARE	26.433*	Max WS	25.53	160.40	162.26	162.27	163.41	0.044907	5.26	6.68	5.22	1.24
CALCINARE	CALCINARE	26.431	Lat Struct										
CALCINARE	CALCINARE	26.400*	Max WS	25.53	160.19	162.04	162.05	163.18	0.044510	5.23	6.71	5.22	1.24
CALCINARE	CALCINARE	26.367*	Max WS	25.53	159.97	161.82	161.75	162.94	0.043934	5.19	6.75	5.22	1.23
CALCINARE	CALCINARE	26.333*	Max WS	25.52	159.76	161.60	161.53	162.78	0.045618	5.28	6.79	6.49	1.25
CALCINARE	CALCINARE	26.300*	Max WS	25.52	159.54	161.37	161.29	162.58	0.046640	5.32	6.84	7.90	1.27
CALCINARE	CALCINARE	26.267*	Max WS	25.51	159.32	161.15	161.06	162.34	0.046545	5.29	6.89	8.09	1.26
CALCINARE	CALCINARE	26.235	Lat Struct										
CALCINARE	CALCINARE	26.233*	Max WS	25.49	159.09	160.92	160.83	162.09	0.046076	5.24	6.93	7.70	1.26
CALCINARE	CALCINARE	26.228	Lat Struct										
CALCINARE	CALCINARE	26.200*	Max WS	25.58	158.87	160.70	161.02	161.85	0.045994	5.22	6.96	7.31	1.25
CALCINARE	CALCINARE	26.167*	Max WS	25.76	158.65	160.47	160.78	161.62	0.046432	5.22	6.96	6.92	1.26
CALCINARE	CALCINARE	26.133*	Max WS	25.71	158.43	160.24	160.54	161.37	0.046172	5.18	6.94	6.53	1.25
CALCINARE	CALCINARE	26.100*	Max WS	25.73	158.21	160.02	160.29	161.13	0.046282	5.16	6.90	6.14	1.25
CALCINARE	CALCINARE	26.067*	Max WS	25.86	157.99	159.79	160.05	160.91	0.047215	5.19	6.83	5.75	1.26
CALCINARE	CALCINARE	26.040	Lat Struct										
CALCINARE	CALCINARE	26.033*	Max WS	25.54	157.77	159.56	159.79	160.66	0.046741	5.13	6.74	5.36	1.26
CALCINARE	CALCINARE	26.020	Lat Struct										
CALCINARE	CALCINARE	26	Max WS	25.47	157.55	159.33	159.54	160.43	0.047268	5.12	6.63	4.97	1.26
CALCINARE	CALCINARE	25.971*	Max WS	25.50	157.31	159.09	159.31	160.23	0.047996	5.18	6.55	4.90	1.27
CALCINARE	CALCINARE	25.943*	Max WS	25.39	157.06	158.85	159.08	160.01	0.048025	5.20	6.48	4.83	1.27
CALCINARE	CALCINARE	25.914*	Max WS	25.42	156.82	158.61	158.85	159.80	0.049253	5.28	6.38	4.76	1.29
CALCINARE	CALCINARE	25.886*	Max WS	25.43	156.58	158.36	158.63	159.60	0.051202	5.37	6.24	4.69	1.31
CALCINARE	CALCINARE	25.858	Lat Struct										
CALCINARE	CALCINARE	25.857*	Max WS	25.34	156								

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
CALCINARE	CALCINARE	25.686*	Max WS	25.33	154.88	156.42	157.12	158.82	0.047536	7.12	4.62	3.97	1.86
CALCINARE	CALCINARE	25.680	Lat Struct										
CALCINARE	CALCINARE	25.657*	Max WS	25.33	154.64	156.18	156.89	158.61	0.047540	7.15	4.57	3.89	1.86
CALCINARE	CALCINARE	25.629*	Max WS	25.32	154.39	155.95	156.66	158.40	0.047461	7.17	4.53	3.81	1.86
CALCINARE	CALCINARE	25.600*	Max WS	25.32	154.15	155.71	156.44	158.19	0.047474	7.20	4.49	3.73	1.86
CALCINARE	CALCINARE	25.571*	Max WS	25.32	153.91	155.47	156.21	157.99	0.047535	7.24	4.44	3.65	1.87
CALCINARE	CALCINARE	25.544	Lat Struct										
CALCINARE	CALCINARE	25.543*	Max WS	25.32	153.66	155.23	155.98	157.77	0.047457	7.26	4.40	3.57	1.87
CALCINARE	CALCINARE	25.540	Lat Struct										
CALCINARE	CALCINARE	25.514*	Max WS	25.32	153.42	155.00	155.75	157.57	0.047505	7.29	4.35	3.50	1.87
CALCINARE	CALCINARE	25.486*	Max WS	25.32	153.18	154.76	155.53	157.36	0.047441	7.32	4.31	3.42	1.87
CALCINARE	CALCINARE	25.457*	Max WS	25.32	152.94	154.52	155.30	157.15	0.047402	7.35	4.27	3.35	1.87
CALCINARE	CALCINARE	25.429*	Max WS	25.32	152.69	154.29	155.07	156.94	0.047305	7.37	4.23	3.28	1.87
CALCINARE	CALCINARE	25.402	Lat Struct										
CALCINARE	CALCINARE	25.400*	Max WS	25.32	152.45	154.05	154.84	156.73	0.047198	7.39	4.19	3.21	1.87
CALCINARE	CALCINARE	25.371*	Max WS	25.31	152.21	153.81	154.61	156.51	0.047059	7.42	4.15	3.14	1.87
CALCINARE	CALCINARE	25.369	Lat Struct										
CALCINARE	CALCINARE	25.343*	Max WS	25.31	151.96	153.58	154.38	156.29	0.046658	7.42	4.12	3.08	1.87
CALCINARE	CALCINARE	25.314*	Max WS	25.31	151.71	153.35	154.15	156.07	0.046107	7.43	4.10	3.01	1.86
CALCINARE	CALCINARE	25.286*	Max WS	25.31	151.46	153.12	153.92	155.83	0.045146	7.40	4.08	2.95	1.84
CALCINARE	CALCINARE	25.257*	Max WS	25.31	151.22	152.90	153.69	155.59	0.043855	7.37	4.08	2.89	1.82
CALCINARE	CALCINARE	25.2295	Lat Struct										
CALCINARE	CALCINARE	25.229*	Max WS	25.31	150.97	152.68	153.47	155.32	0.041819	7.29	4.11	2.84	1.78
CALCINARE	CALCINARE	25.225	Lat Struct										
CALCINARE	CALCINARE	25.200*	Max WS	25.31	150.72	152.48	153.23	155.04	0.039118	7.17	4.16	2.79	1.73
CALCINARE	CALCINARE	25.171*	Max WS	25.31	150.47	152.29	153.01	154.73	0.035608	6.99	4.25	2.75	1.66
CALCINARE	CALCINARE	25.143*	Max WS	25.31	150.23	152.13	152.78	154.41	0.031359	6.75	4.38	2.71	1.57
CALCINARE	CALCINARE	25.114*	Max WS	25.31	149.98	151.98	152.55	154.07	0.026811	6.47	4.57	2.68	1.46
CALCINARE	CALCINARE	25.089	Lat Struct										
CALCINARE	CALCINARE	25.086*	Max WS	25.31	149.73	151.86	152.32	153.74	0.022254	6.13	4.81	2.65	1.35
CALCINARE	CALCINARE	25.057*	Max WS	25.30	149.48	151.76	152.09	153.44	0.018119	5.78	5.10	2.61	1.23
CALCINARE	CALCINARE	25.050	Lat Struct										
CALCINARE	CALCINARE	25.029*	Max WS	25.25	149.24	151.68	151.86	153.15	0.014489	5.42	5.42	2.56	1.11
CALCINARE	CALCINARE	25	Max WS	25.08	148.99	151.61	151.62	152.90	0.011437	5.05	5.76	2.50	1.00
CALCINARE	CALCINARE	24.05	Lat Struct										
CALCINARE	CALCINARE	24	Max WS	24.63	148.60	151.58	151.08	152.00	0.003694	3.09	12.74	7.78	0.58
CALCINARE	CALCINARE	23.50 Ponte su Strada	Bridge										
CALCINARE	CALCINARE	23	Max WS	24.63	148.11	149.95	150.95	152.66	0.039599	7.29	3.38	2.77	1.74
CALCINARE	CALCINARE	22.900	Lat Struct										
CALCINARE	CALCINARE	22.668	Lat Struct										
CALCINARE	CALCINARE	22.667*	Max WS	24.64	148.08	149.82	150.49	151.85	0.031919	6.36	4.34	2.89	1.55
CALCINARE	CALCINARE	22.335	Lat Struct										
CALCINARE	CALCINARE	22.333*	Max WS	24.64	148.01	149.71	150.39	151.77	0.034429	6.42	4.31	3.00	1.60
CALCINARE	CALCINARE	22	Max WS	24.64	147.95	149.58	150.29	151.73	0.038441	6.55	4.22	3.10	1.68
CALCINARE	CALCINARE	21.938*	Max WS	24.64	147.75	149.40	150.11	151.55	0.038010	6.56	4.19	3.02	1.67
CALCINARE	CALCINARE	21.875*	Max WS	24.64	147.55	149.22	149.93	151.38	0.037389	6.56	4.17	2.95	1.66
CALCINARE	CALCINARE	21.813*	Max WS	24.64	147.35	149.04	149.75	151.20	0.036545	6.55	4.16	2.88	1.65
CALCINARE	CALCINARE	21.750*	Max WS	24.63	147.16	148.87	149.56	151.01	0.035402	6.52	4.16	2.82	1.62
CALCINARE	CALCINARE	21.690	Lat Struct										
CALCINARE	CALCINARE	21.689	Lat Struct										
CALCINARE	CALCINARE	21.688*	Max WS	24.63	146.96	148.70	149.38	150.81	0.033906	6.47	4.17	2.75	1.60
CALCINARE	CALCINARE	21.625*	Max WS	24.63	146.76	148.54	149.20	150.60	0.031927	6.39	4.20	2.69	1.55
CALCINARE	CALCINARE	21.563*	Max WS	24.62	146.56	148.39	149.02	150.39	0.029633	6.28	4.26	2.63	1.51
CALCINARE	CALCINARE	21.500*	Max WS	24.62	146.36	148.26	148.83	150.16	0.026927	6.13	4.34	2.57	1.44
CALCINARE	CALCINARE	21.438*	Max WS	24.61	146.16	148.14	148.65	149.93	0.024017	5.95	4.44	2.50	1.37
CALCINARE	CALCINARE	21.375*	Max WS	24.59	145.96	148.03	148.47	149.71	0.021041	5.75	4.57	2.44	1.30
CALCINARE	CALCINARE	21.315	Lat Struct										
CALCINARE	CALCINARE	21.314	Lat Struct										
CALCINARE	CALCINARE	21.313*	Max WS	24.58	145.76	147.93	148.28	149.48	0.018116	5.52	4.73	2.38	1.21
CALCINARE	CALCINARE	21.250*	Max WS	24.56	145.56	147.85	148.10	149.28	0.015459	5.29	4.89	2.32	1.13
CALCINARE	CALCINARE	21.188*	Max WS	24.53	145.37	147.78	147.91	149.08	0.013055	5.05	5.09	2.67	1.05
CALCINARE	CALCINARE	21.125*	Max WS	24.47	145.17	147.73	147.72	148.91	0.010969	4.82	5.37	3.40	0.97
CALCINARE	CALCINARE	21.063*	Max WS	24.32	144.97	147.68	147.51	148.74	0.009077	4.56	5.75	3.79	0.89
CALCINARE	CALCINARE	21	Max WS	24.11	144.77	147.64	147.29	148.58	0.007496	4.31	6.15	3.69	0.82
CALCINARE	CALCINARE	20.335	Lat Struct										
CALCINARE	CALCINARE	20.334	Lat Struct										
CALCINARE	CALCINARE	20.333*	Max WS	24.34	144.63	147.61		148.44	0.006321	4.07	6.86	3.38	0.76
CALCINARE	CALCINARE	19.667*	Max WS	23.95	144.47	147.59	146.96	148.30	0.005123	3.77	7.35	3.06	0.69
CALCINARE	CALCINARE	19.2	Bridge										
CALCINARE	CALCINARE	19	Max WS	23.95	144.28	146.53	146.76	147.97	0.016420	5.32	4.75	2.59	1.16
CALCINARE	CALCINARE	18.752	Lat Struct										
CALCINARE	CALCINARE	18.750*	Max WS	23.90	144.12	146.46	146.78	148.08	0.017340	5.66	4.60	2.21	1.20
CALCINARE	CALCINARE	18.500*	Max WS	23.88	143.95	146.39	146.80	148.27	0.019075	6.12	4.44	2.19	1.27
CALCINARE	CALCINARE	18.250*	Max WS	23.84	143.79	146.31	146.90	148.60	0.022188	6.78	4.17	2.01	1.38
CALCINARE	CALCINARE	18	Max WS	23.78	143.63	146.21	147.07	149.17	0.027774	7.75	3.81	1.82	1.55
CALCINARE	CALCINARE	17.952	Lat Struct										
CALCINARE	CALCINARE	17.950*	Max WS	23.69	143.53	146.08	146.90	148.94	0.027267	7.60	3.82	1.83	1.53
CALCINARE	CALCINARE	17.900*	Max WS	23.60	143.44	145.94	146.73	148.71	0.026797	7.46	3.81	1.85	1.52
CALCINARE	CALCINARE	17.851	Lat Struct										
CALCINARE	CALCINARE	17.850*	Max WS	23.51	143.34	145.81	146.57	148.49	0.026280	7.32	3.82	1.86	1.50
CALCINARE	CALCINARE	17.800*	Max WS	23.42	143.25	145.69	146.40	148.27	0.025766	7.19	3.83	1.88	1.48
CALCINARE	CALCINARE	17.750*	Max WS	23.33	143.15	145.56	146.24	148.06	0.025187	7.06	3.85	1.90	1.46
CALCINARE	CALCINARE	17.700*	Max WS	23.22	143.06	145.44	146.08	147.84	0.024514	6.91	3.87	1.92	1.44
CALCINARE	CALCINARE	17.655	Lat Struct										
CALCINARE	CALCINARE	17.650*	Max WS	23.12	142.96	145.32	145.92	147.62	0.023762	6.77	3.90	1.94	1.42
CALCINARE	CALCINARE	17.600*	Max WS	23.00	142.87	145.21	145.76	147.41	0.022920	6.61	3.93	1.96	1.39
CALCINARE	CALCINARE	17.551	Lat Struct										
CALCINARE	CALCINARE	17.550*	Max WS	22.86	142.77	145.10	145.61	147.20	0.021960	6.45	3.97	1.98	1.36
CALCINARE	CALCINARE	17.500*	Max WS	22.71	142.68	144.99	145.46	146.98	0.020901	6.28	4.02	2.00	1.32
CALCINARE	CALCINARE	17.450*	Max WS	22.53	142.58	144.89	145.30	146.77	0.019698	6.09	4.08	2.03	1.29
CALCINARE	CALCINARE	17.400*	Max WS	22.32	142.48	144.80	145.15	146.55	0.018340	5.88	4.16	2.05	1.24
CALCINARE	CALCINARE	17.355	Lat Struct										
CALCINARE	CALCINARE	17.350*	Max WS	22.32	142.39	144.71	145.02	146.38	0.017287	5.73	4.25	2.07	1.21
CALCINARE	CALCINARE	17.300*	Max WS	22.31	142.29	144.63	144.88	146.20	0.016153	5.56	4.35	2.09	1.17
CALCINARE	CALCINARE	17.251	Lat Struct										
CALCINARE	CALCINARE	17.250*	Max WS	22.31	142.20	144.55	144.75	146.03	0.015015	5.39	4.46	2.12	1.13
CALCINARE	CALCINARE	17.200*	Max WS	22.31	142.10	144.48	144.62	145.87	0.013836	5.22	4.59	2.	

HEC-RAS Plan: S1 TR200** Profile: Max WS (Continued)

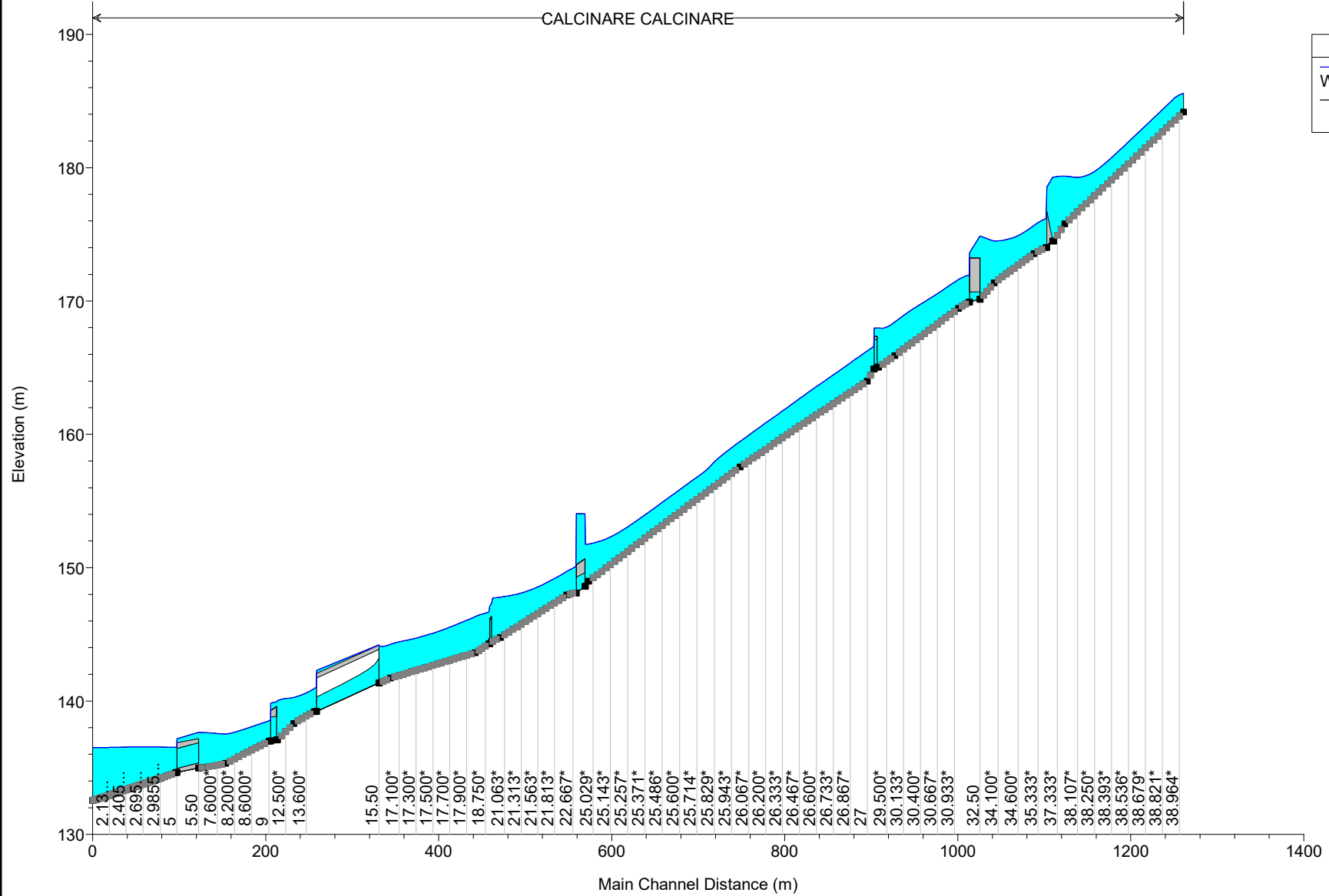
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
CALCINARE	CALCINARE	16	Max WS	18.72	141.35	144.06		144.46	0.019849	2.79	6.77	2.52	0.54
CALCINARE	CALCINARE	15.50	Opera intubata s	Culvert									
CALCINARE	CALCINARE	15	Max WS	18.72	139.22	140.96	141.07	141.99	0.035237	4.48	4.18	12.11	1.09
CALCINARE	CALCINARE	14.22		Lat Struct									
CALCINARE	CALCINARE	14.2		Lat Struct									
CALCINARE	CALCINARE	14	Max WS	18.71	139.20	140.88	141.26	141.88	0.038511	4.49	4.72	4.14	1.13
CALCINARE	CALCINARE	13.805		Lat Struct									
CALCINARE	CALCINARE	13.802		Lat Struct									
CALCINARE	CALCINARE	13.800*	Max WS	18.46	139.03	140.71	141.03	141.62	0.034826	4.29	4.91	4.51	1.07
CALCINARE	CALCINARE	13.600*	Max WS	18.25	138.86	140.55	140.79	141.37	0.030684	4.07	5.15	5.57	1.01
CALCINARE	CALCINARE	13.400*	Max WS	18.07	138.69	140.42	140.53	141.14	0.026080	3.82	5.49	6.44	0.94
CALCINARE	CALCINARE	13.200*	Max WS	17.91	138.52	140.31	140.29	140.93	0.021248	3.54	5.94	6.71	0.85
CALCINARE	CALCINARE	13	Max WS	17.73	138.32	140.22	140.07	140.74	0.016742	3.25	6.45	6.54	0.76
CALCINARE	CALCINARE	12.750*	Max WS	17.55	138.01	140.15		140.59	0.012720	3.08	7.38	5.86	0.68
CALCINARE	CALCINARE	12.502		Lat Struct									
CALCINARE	CALCINARE	12.501		Lat Struct									
CALCINARE	CALCINARE	12.500*	Max WS	17.36	137.71	140.13		140.51	0.009671	2.93	8.19	5.02	0.60
CALCINARE	CALCINARE	12.250*	Max WS	17.48	137.40	140.08		140.47	0.008977	3.04	8.47	4.19	0.59
CALCINARE	CALCINARE	12	Max WS	17.86	137.09	139.97		140.46	0.010771	3.49	8.13	3.35	0.66
CALCINARE	CALCINARE	11	Max WS	17.97	137.07	139.89	139.19	140.48	0.012859	3.76	7.39	3.01	0.72
CALCINARE	CALCINARE	10.50	Ponte su Via del	Bridge									
CALCINARE	CALCINARE	10	Max WS	17.97	137.01	138.54	138.59	139.35	0.034316	3.98	4.51	7.04	1.05
CALCINARE	CALCINARE	9.5		Lat Struct									
CALCINARE	CALCINARE	9.2		Lat Struct									
CALCINARE	CALCINARE	9	Max WS	18.03	136.99	138.49		138.94	0.023184	3.22	7.11	6.81	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	18.05	136.82	138.37		138.83	0.022754	3.27	7.13	6.69	0.86
CALCINARE	CALCINARE	8.8000*	Max WS	18.04	136.66	138.26		138.72	0.022313	3.32	7.15	6.59	0.85
CALCINARE	CALCINARE	8.7000*	Max WS	18.03	136.49	138.15		138.62	0.021961	3.37	7.18	6.51	0.85
CALCINARE	CALCINARE	8.6000*	Max WS	18.02	136.32	138.04		138.52	0.021698	3.43	7.21	6.43	0.85
CALCINARE	CALCINARE	8.5000*	Max WS	18.01	136.16	137.93		138.42	0.021554	3.50	7.24	6.29	0.85
CALCINARE	CALCINARE	8.405		Lat Struct									
CALCINARE	CALCINARE	8.402		Lat Struct									
CALCINARE	CALCINARE	8.4000*	Max WS	17.96	135.99	137.83		138.32	0.021475	3.57	7.25	6.06	0.85
CALCINARE	CALCINARE	8.3000*	Max WS	17.80	135.82	137.72		138.21	0.021322	3.63	7.24	5.84	0.86
CALCINARE	CALCINARE	8.2000*	Max WS	17.51	135.65	137.62		138.11	0.020906	3.68	7.24	5.62	0.85
CALCINARE	CALCINARE	8.1000*	Max WS	17.05	135.49	137.54		138.01	0.019955	3.69	7.28	5.42	0.84
CALCINARE	CALCINARE	8	Max WS	16.35	135.32	137.48		137.91	0.018080	3.62	7.40	5.24	0.80
CALCINARE	CALCINARE	7.8000*	Max WS	15.53	135.26	137.49		137.78	0.012414	3.09	8.42	5.77	0.67
CALCINARE	CALCINARE	7.650		Lat Struct									
CALCINARE	CALCINARE	7.61		Lat Struct									
CALCINARE	CALCINARE	7.6000*	Max WS	14.67	135.20	137.51		137.71	0.008306	2.61	9.60	6.20	0.55
CALCINARE	CALCINARE	7.4000*	Max WS	13.78	135.13	137.53		137.67	0.005605	2.21	10.83	6.64	0.46
CALCINARE	CALCINARE	7.2000*	Max WS	12.83	135.07	137.55		137.64	0.003793	1.87	12.11	7.07	0.38
CALCINARE	CALCINARE	7	Max WS	11.74	135.01	137.57		137.63	0.002517	1.56	13.40	7.50	0.31
CALCINARE	CALCINARE	6.5000*	Max WS	10.89	134.99	137.57		137.63	0.001908	1.35	13.51	7.50	0.27
CALCINARE	CALCINARE	6	Max WS	9.81	134.97	137.58		137.63	0.001355	1.13	13.72	7.50	0.23
CALCINARE	CALCINARE	5.50	Opera intubata v	Culvert									
CALCINARE	CALCINARE	5	Max WS	9.81	134.65	136.13	136.06	136.48	0.024112	3.32	4.97	6.36	0.88
CALCINARE	CALCINARE	4.5		Lat Struct									
CALCINARE	CALCINARE	4.3		Lat Struct									
CALCINARE	CALCINARE	4	Max WS	9.81	134.60	136.09		136.43	0.022683	3.25	5.07	6.29	0.85
CALCINARE	CALCINARE	3.7500*	Max WS	9.81	134.52	135.99	135.95	136.34	0.023268	3.26	5.12	6.85	0.86
CALCINARE	CALCINARE	3.5000*	Max WS	9.80	134.42	135.90	135.91	136.24	0.023974	3.27	5.13	7.09	0.87
CALCINARE	CALCINARE	3.2500*	Max WS	9.77	134.32	135.80	135.81	136.14	0.024257	3.24	5.15	7.19	0.87
CALCINARE	CALCINARE	3	Max WS	9.70	134.22	135.71		136.02	0.023191	3.12	5.28	7.32	0.84
CALCINARE	CALCINARE	2.9855*	Max WS	9.68	134.20	135.69		136.00	0.023170	3.12	5.25	7.31	0.84
CALCINARE	CALCINARE	2.9710*	Max WS	9.67	134.18	135.66		135.98	0.023146	3.11	5.23	7.29	0.84
CALCINARE	CALCINARE	2.9565*	Max WS	9.65	134.16	135.64	135.64	135.96	0.023169	3.11	5.20	7.28	0.84
CALCINARE	CALCINARE	2.9420*	Max WS	9.64	134.13	135.62	135.61	135.94	0.023175	3.11	5.17	7.26	0.84
CALCINARE	CALCINARE	2.9275*	Max WS	9.63	134.11	135.59	135.59	135.92	0.023165	3.10	5.14	7.25	0.84
CALCINARE	CALCINARE	2.9130*	Max WS	9.62	134.09	135.57	135.57	135.90	0.023207	3.10	5.12	7.23	0.84
CALCINARE	CALCINARE	2.8986*	Max WS	9.62	134.07	135.54	135.55	135.87	0.023288	3.10	5.09	7.22	0.84
CALCINARE	CALCINARE	2.8841*	Max WS	9.62	134.05	135.52	135.53	135.85	0.023377	3.10	5.06	7.21	0.84
CALCINARE	CALCINARE	2.8696*	Max WS	9.61	134.03	135.50	135.50	135.83	0.023440	3.10	5.03	7.19	0.84
CALCINARE	CALCINARE	2.8551*	Max WS	9.60	134.01	135.47	135.48	135.81	0.023494	3.10	5.00	7.18	0.84
CALCINARE	CALCINARE	2.8408		Lat Struct									
CALCINARE	CALCINARE	2.8407		Lat Struct									
CALCINARE	CALCINARE	2.8406*	Max WS	9.59	133.98	135.45	135.46	135.79	0.023532	3.10	4.97	7.16	0.84
CALCINARE	CALCINARE	2.8261*	Max WS	9.57	133.96	135.42	135.44	135.77	0.023458	3.09	4.95	7.15	0.84
CALCINARE	CALCINARE	2.8116*	Max WS	9.54	133.94	135.40	135.40	135.74	0.023405	3.08	4.92	7.14	0.84
CALCINARE	CALCINARE	2.7971*	Max WS	9.55	133.92	135.38	135.36	135.72	0.023304	3.07	4.90	7.04	0.84
CALCINARE	CALCINARE	2.7859		Lat Struct									
CALCINARE	CALCINARE	2.7858		Lat Struct									
CALCINARE	CALCINARE	2.7826*	Max WS	9.42	133.90	135.36	135.31	135.69	0.022471	3.02	4.89	6.95	0.82
CALCINARE	CALCINARE	2.7681*	Max WS	9.41	133.88	135.33	135.28	135.66	0.022245	3.00	4.88	6.86	0.82
CALCINARE	CALCINARE	2.7536*	Max WS	9.41	133.86	135.31	135.25	135.64	0.022017	2.98	4.87	6.79	0.82
CALCINARE	CALCINARE	2.7391*	Max WS	9.40	133.83	135.29	135.22	135.62	0.021722	2.96	4.87	6.72	0.81
CALCINARE	CALCINARE	2.7246*	Max WS	9.39	133.81	135.27		135.59	0.021407	2.94	4.87	6.65	0.81
CALCINARE	CALCINARE	2.7101*	Max WS	9.39	133.79	135.25		135.57	0.021095	2.92	4.88	6.60	0.80
CALCINARE	CALCINARE	2.6957*	Max WS	9.38	133.77	135.23		135.54	0.020755	2.90	4.88	6.55	0.79
CALCINARE	CALCINARE	2.6812*	Max WS	9.38	133.75	135.21		135.52	0.020376	2.87	4.90	6.50	0.79
CALCINARE	CALCINARE	2.6667*	Max WS	9.37	133.73	135.19		135.50	0.019968	2.85	4.91	6.47	0.78
CALCINARE	CALCINARE	2.6522*	Max WS	8.39	133.71	135.18		135.42	0.015481	2.51	4.96	6.45	0.69
CALCINARE	CALCINARE	2.6377*	Max WS	8.40	133.68	135.16		135.40	0.014851	2.47	5.03	6.46	0.67
CALCINARE	CALCINARE	2.6232*	Max WS	8.39	133.66	135.15		135.38	0.014191	2.43	5.10	6.47	0.66
CALCINARE	CALCINARE	2.6087*	Max WS	8.39	133.64	135.14		135.36	0.013583	2.39	5.18	6.47	0.65
CALCINARE	CALCINARE	2.5942*	Max WS	8.39	133.62	135.13		135.34	0.012969	2.35	5.26	6.49	0.63
CALCINARE	CALCINARE	2.5797*	Max WS	8.40	133.60	135.12		135.33	0.012375	2.31	5.35	6.51	0.62
CALCINARE	CALCINARE	2.5652*	Max WS	8.40	133.58	135.12		135.31	0.011791	2.26	5.44	6.53	0.60
CALCINARE	CALCINARE	2.5507*	Max WS	8.40	133.56	135.11		135.30	0.011247	2.22	5.53	6.61	0.59
CALCINARE	CALCINARE	2.5362*	Max WS	8.40	133.53	135.10		135.28	0.010707	2.18	5.63	6.68	0.58
CALCINARE	CALCINARE	2.5217*	Max WS	8.40	133.51	135.09		135.27	0.010178	2.14	5.74	6.75	0.56
CALCINARE	CALCINARE	2.5072*	Max WS	8.41	133.49	135.09		135.26	0.009655	2.10	5.85	6.82	0.55
CALCINARE	CALCINARE	2.4928*	Max WS	8.41	133.47	135.08		135.25	0.009134	2.06	5.97	6.90	0.54
CALCINARE	CALCINARE	2.4783*	Max WS	8.41	133.45	135.08		135.24	0.008645	2.02	6.10	6.97	0.52
CALCINARE	CALCINARE	2.4638*	Max WS	8.42	133.43	135.08		135.23	0.008158	1.97	6.22	6.96	0.51
CALCINARE	CALCINARE	2.4493*	Max WS	8.42	133.40	135.07							

HEC-RAS Plan: S1 TR200** Profile: Max WS (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
CALCINARE	CALCINARE	2.3478*	Max WS	8.41	133.25	135.05		135.16	0.005120	1.66	7.30	6.93	0.41
CALCINARE	CALCINARE	2.3333*	Max WS	8.41	133.23	135.05		135.15	0.004843	1.63	7.44	6.92	0.40
CALCINARE	CALCINARE	2.3188*	Max WS	8.41	133.21	135.05		135.15	0.004583	1.59	7.58	6.91	0.39
CALCINARE	CALCINARE	2.3043*	Max WS	8.41	133.19	135.05		135.14	0.004343	1.56	7.72	6.91	0.38
CALCINARE	CALCINARE	2.2899*	Max WS	8.41	133.17	135.05		135.14	0.004117	1.53	7.86	6.90	0.37
CALCINARE	CALCINARE	2.2754*	Max WS	8.41	133.15	135.04		135.13	0.003907	1.50	8.00	6.89	0.36
CALCINARE	CALCINARE	2.2609*	Max WS	8.41	133.13	135.04		135.13	0.003710	1.48	8.14	6.88	0.35
CALCINARE	CALCINARE	2.2464*	Max WS	8.42	133.10	135.04		135.12	0.003530	1.45	8.27	6.87	0.34
CALCINARE	CALCINARE	2.2319*	Max WS	8.43	133.08	135.04		135.12	0.003364	1.43	8.41	6.86	0.34
CALCINARE	CALCINARE	2.2174*	Max WS	8.44	133.06	135.04		135.11	0.003212	1.40	8.55	6.85	0.33
CALCINARE	CALCINARE	2.2029*	Max WS	8.45	133.04	135.04		135.11	0.003072	1.38	8.68	6.84	0.32
CALCINARE	CALCINARE	2.1884*	Max WS	8.48	133.02	135.03		135.11	0.002948	1.36	8.81	6.83	0.32
CALCINARE	CALCINARE	2.1739*	Max WS	8.50	133.00	135.03		135.10	0.002834	1.35	8.94	6.81	0.31
CALCINARE	CALCINARE	2.1594*	Max WS	8.54	132.98	135.03		135.10	0.002731	1.33	9.07	6.80	0.31
CALCINARE	CALCINARE	2.1449*	Max WS	8.57	132.95	135.03		135.10	0.002633	1.31	9.20	6.78	0.30
CALCINARE	CALCINARE	2.1304*	Max WS	8.62	132.93	135.03		135.09	0.002548	1.30	9.33	6.77	0.30
CALCINARE	CALCINARE	2.1159*	Max WS	8.66	132.91	135.02		135.09	0.002467	1.29	9.46	6.75	0.29
CALCINARE	CALCINARE	2.1015*	Max WS	8.70	132.89	135.02		135.09	0.002387	1.27	9.59	6.74	0.29
CALCINARE	CALCINARE	2.0870*	Max WS	8.40	132.87	135.02		135.08	0.002130	1.21	9.71	6.72	0.27
CALCINARE	CALCINARE	2.0725*	Max WS	8.43	132.85	135.02		135.08	0.002057	1.20	9.84	6.71	0.27
CALCINARE	CALCINARE	2.0580*	Max WS	8.48	132.83	135.02		135.07	0.001998	1.19	9.97	6.69	0.26
CALCINARE	CALCINARE	2.0435*	Max WS	8.56	132.80	135.01		135.07	0.001956	1.18	10.10	6.67	0.26
CALCINARE	CALCINARE	2.0290*	Max WS	8.69	132.78	135.01		135.07	0.001944	1.19	10.21	6.65	0.26
CALCINARE	CALCINARE	2.0145*	Max WS	8.87	132.76	135.01		135.06	0.001959	1.20	10.32	6.63	0.26
CALCINARE	CALCINARE	2	Max WS	9.13	132.74	135.00		135.06	0.002012	1.22	10.41	6.61	0.27
CALCINARE	CALCINARE	1.9093		Lat Struct									
CALCINARE	CALCINARE	1.9091*	Max WS	5.62	132.72	134.99		135.02	0.000780	0.76	10.34	6.81	0.17
CALCINARE	CALCINARE	1.8182*	Max WS	5.70	132.71	134.99		135.02	0.000826	0.79	10.24	7.01	0.17
CALCINARE	CALCINARE	1.7273*	Max WS	5.79	132.69	134.99		135.01	0.000884	0.83	10.09	7.20	0.18
CALCINARE	CALCINARE	1.6669		Lat Struct									
CALCINARE	CALCINARE	1.6668		Lat Struct									
CALCINARE	CALCINARE	1.6364*	Max WS	5.88	132.67	134.98		135.01	0.000957	0.87	9.89	7.40	0.19
CALCINARE	CALCINARE	1.5455*	Max WS	5.97	132.65	134.98		135.01	0.001045	0.92	9.63	7.59	0.20
CALCINARE	CALCINARE	1.4545*	Max WS	6.06	132.64	134.97		135.01	0.001152	0.97	9.30	7.78	0.21
CALCINARE	CALCINARE	1.3636*	Max WS	6.01	132.62	134.97		135.01	0.001219	1.00	8.93	7.98	0.21
CALCINARE	CALCINARE	1.2727*	Max WS	6.10	132.60	134.96		135.01	0.001356	1.07	8.49	8.17	0.22
CALCINARE	CALCINARE	1.1818*	Max WS	6.18	132.58	134.95		135.01	0.001513	1.14	7.98	8.36	0.24
CALCINARE	CALCINARE	1.0909*	Max WS	6.12	132.57	134.94		135.00	0.001615	1.18	7.42	8.56	0.25
CALCINARE	CALCINARE	1	Max WS	6.18	132.55	134.93		135.00	0.001796	1.25	6.79	8.75	0.26

CALCINARE CALCINARE

Legend	
WS	Max WS
Ground	



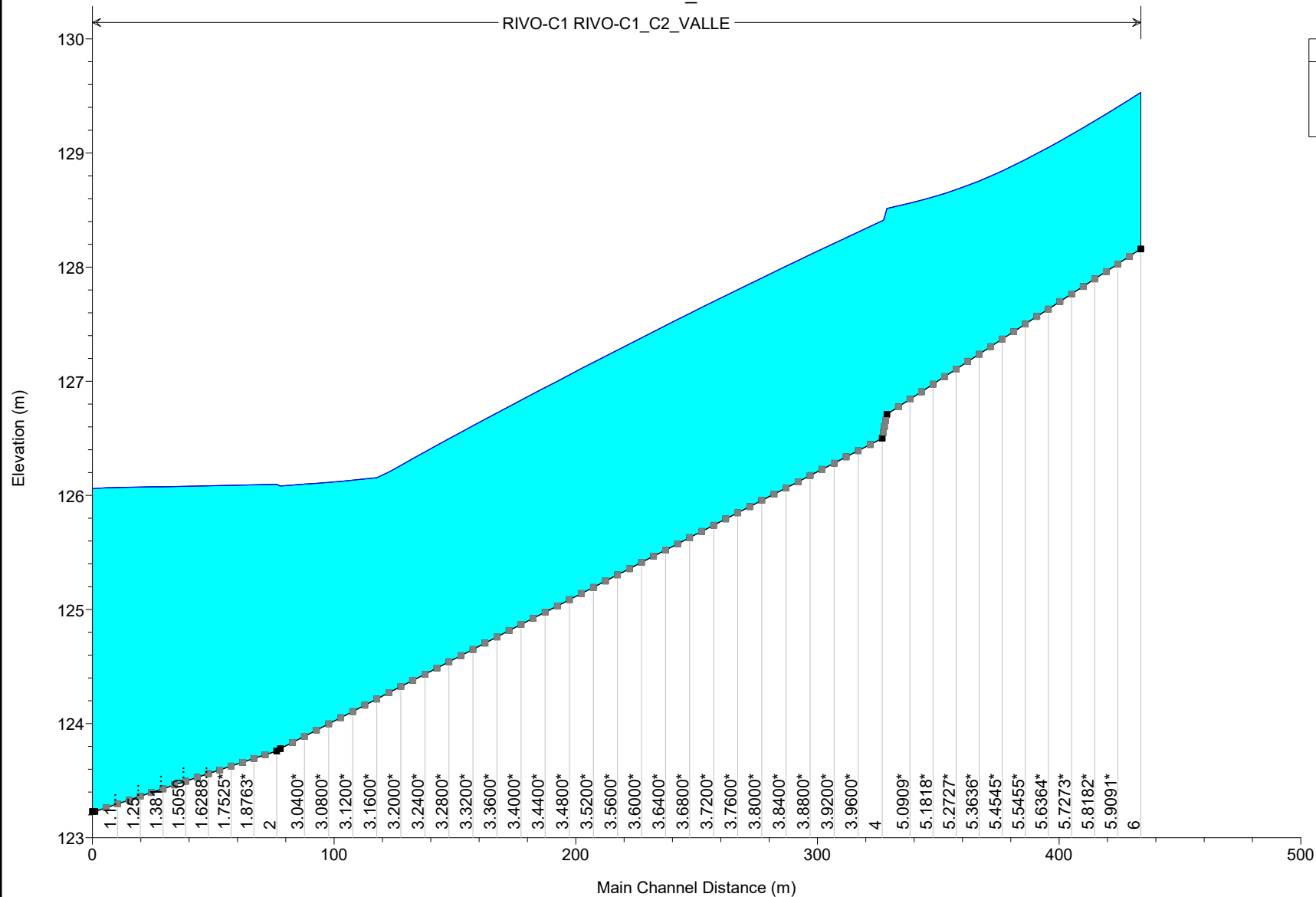
terni Plan: S1_TR500** 30/05/2024

RIVO-C1 RIVO-C1_C2_VALLE

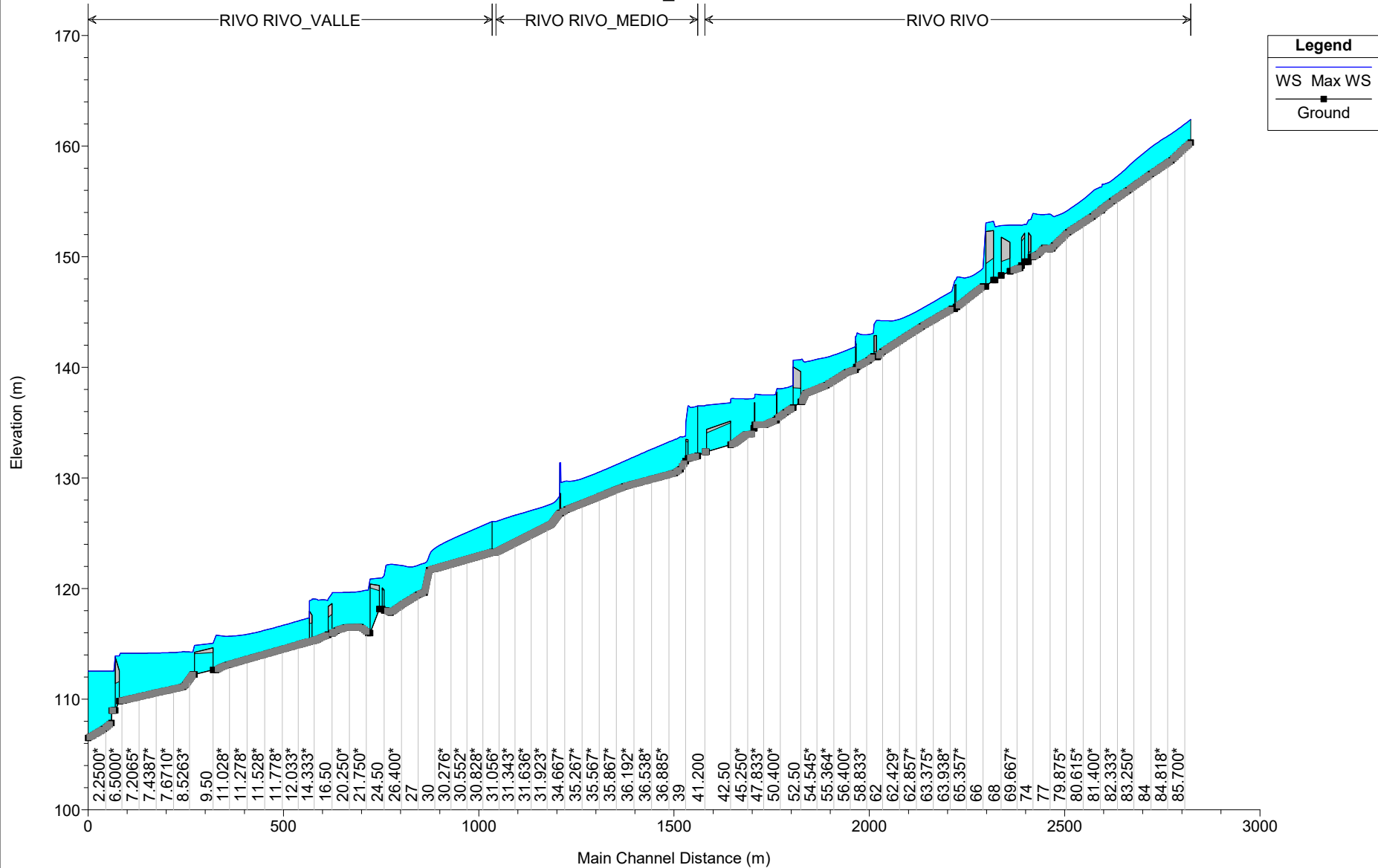
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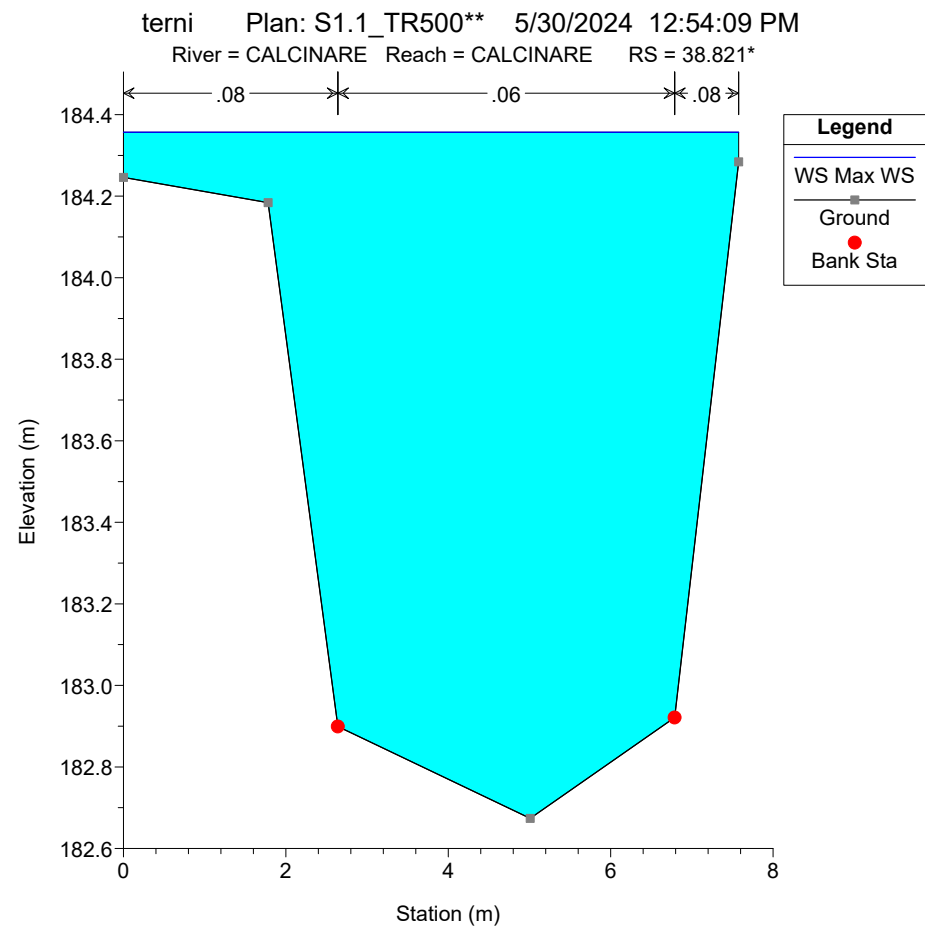
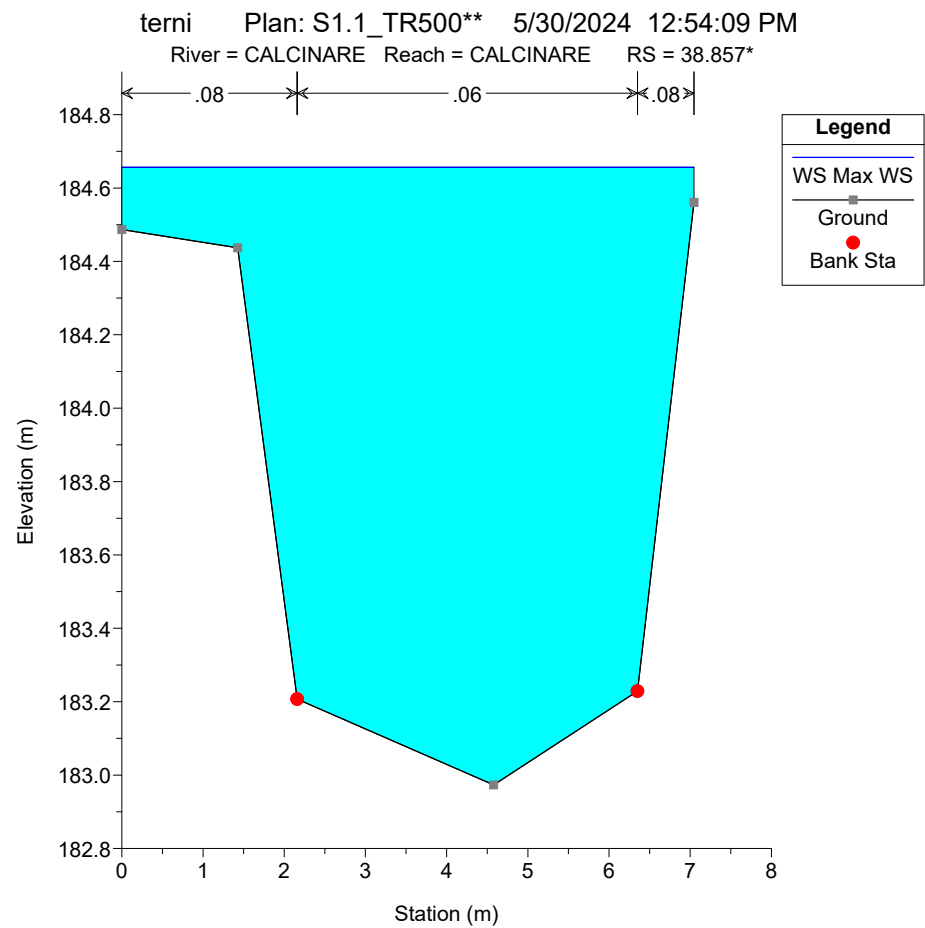
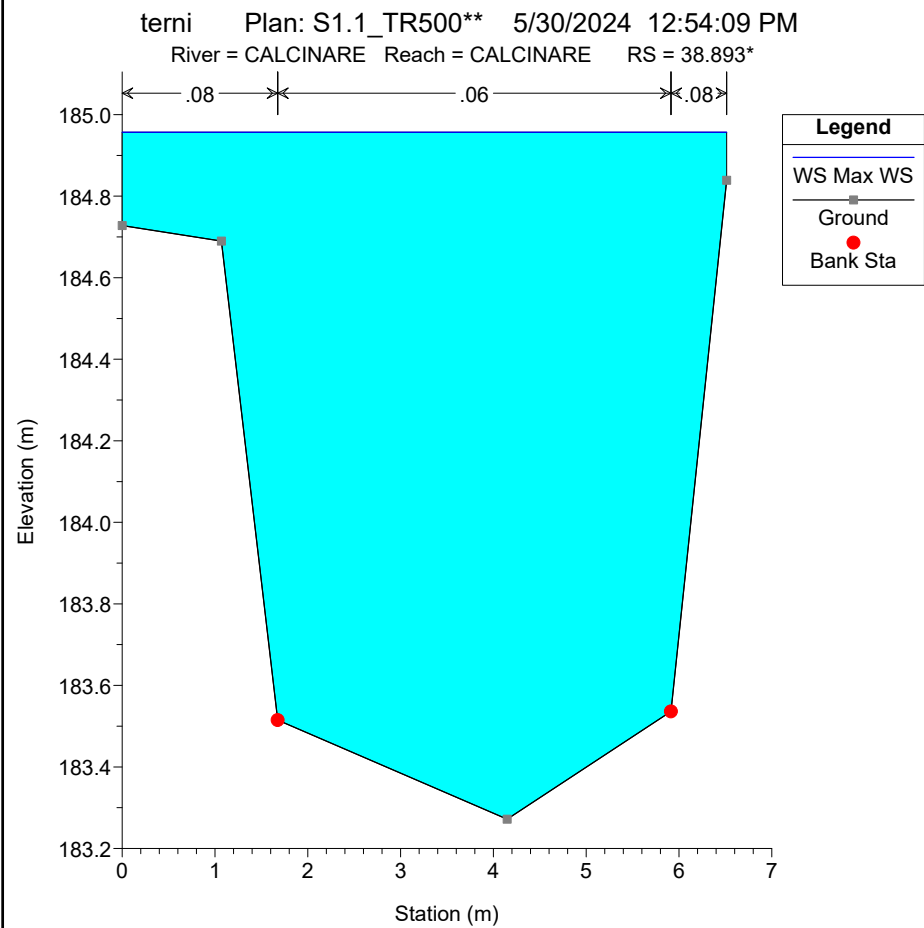
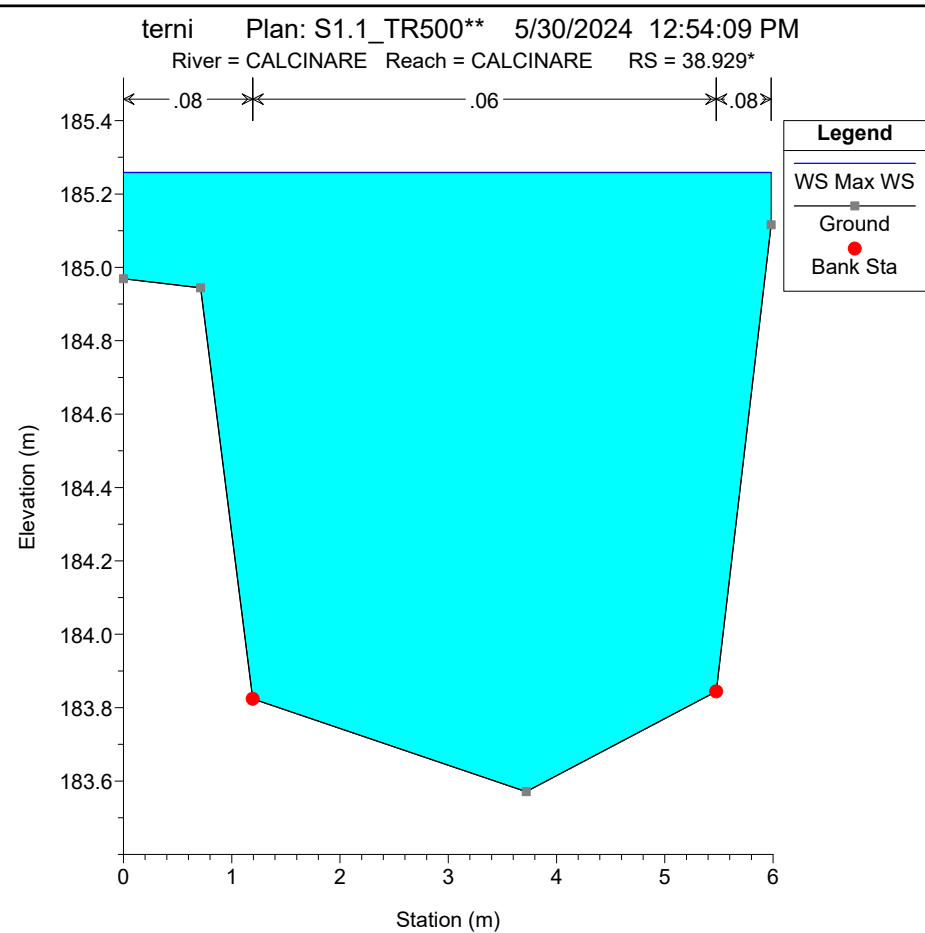
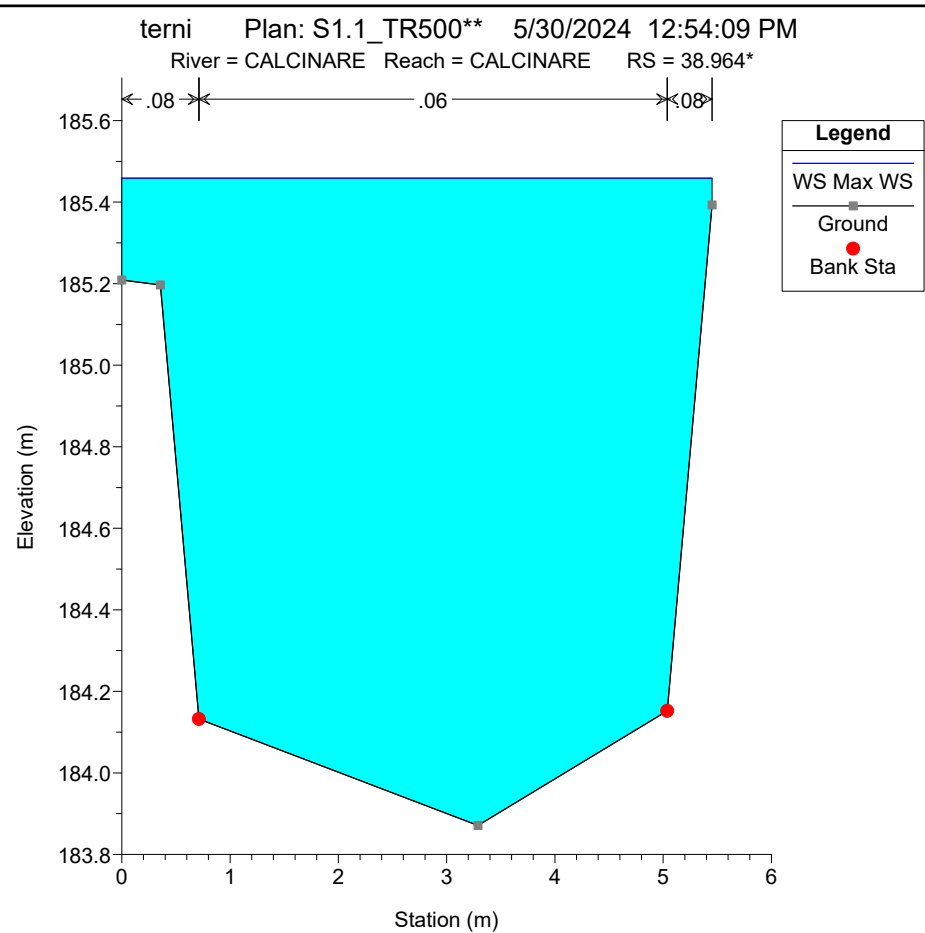
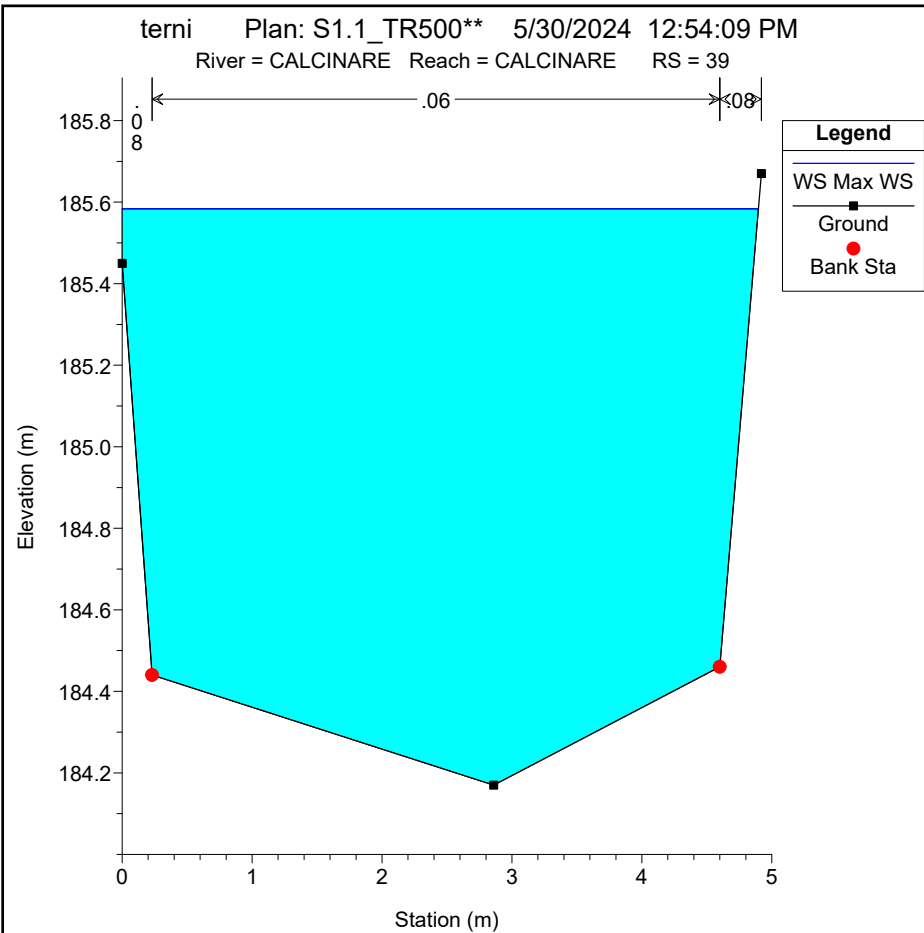
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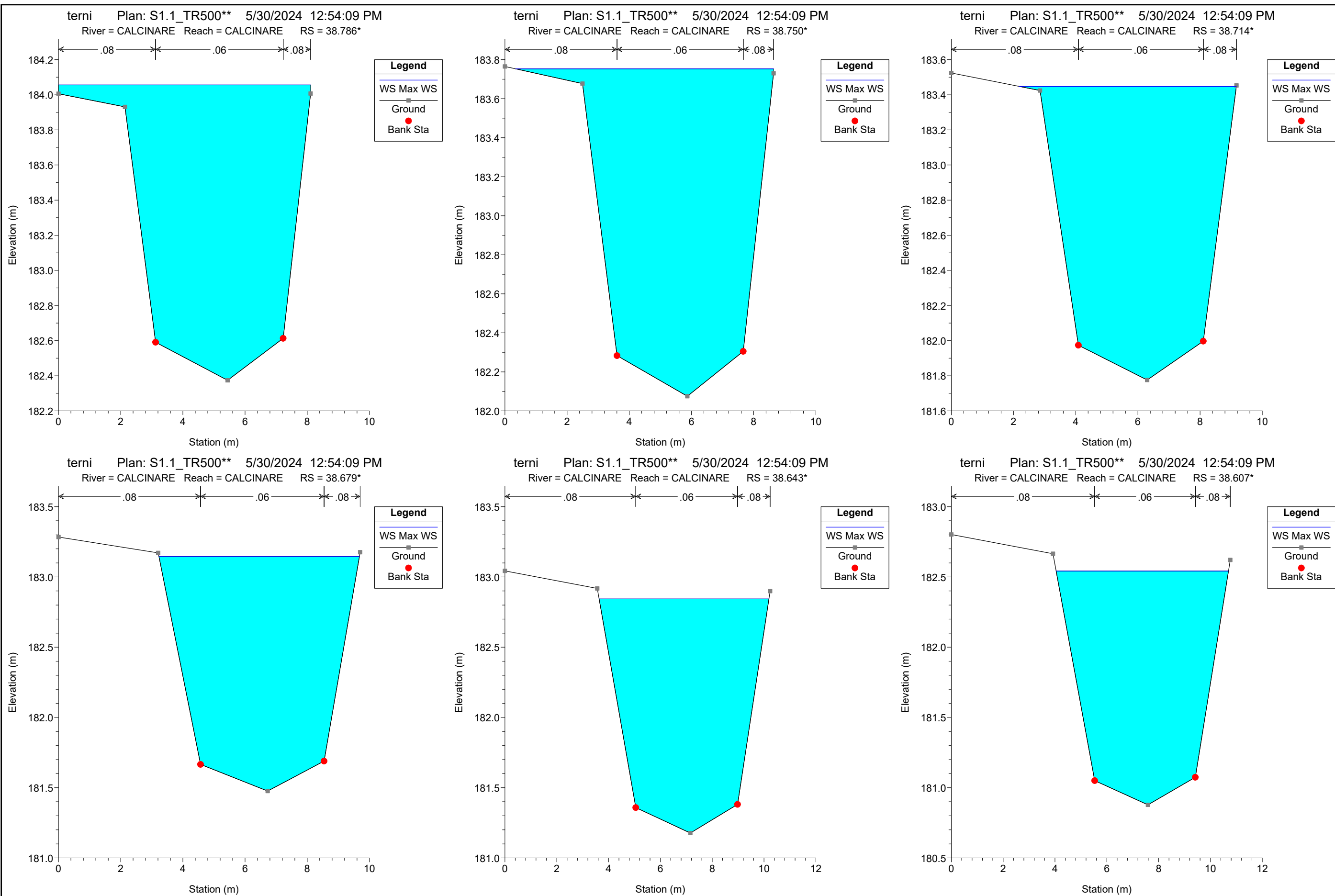
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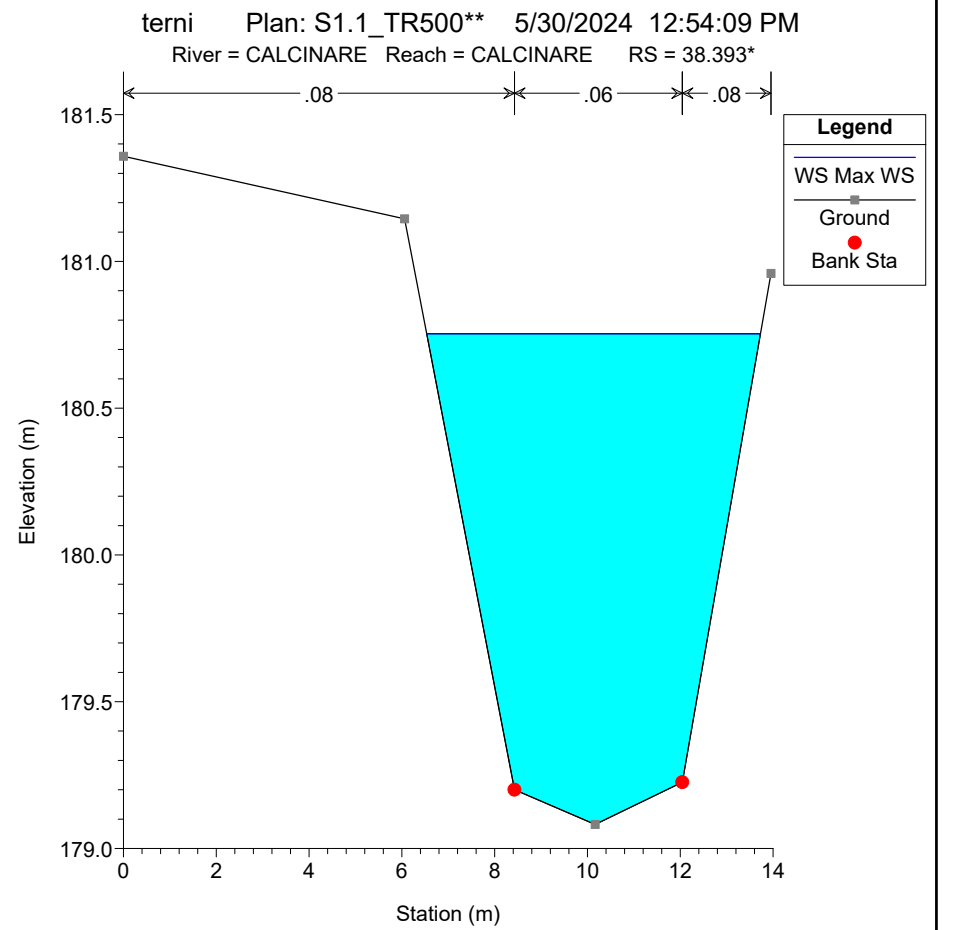
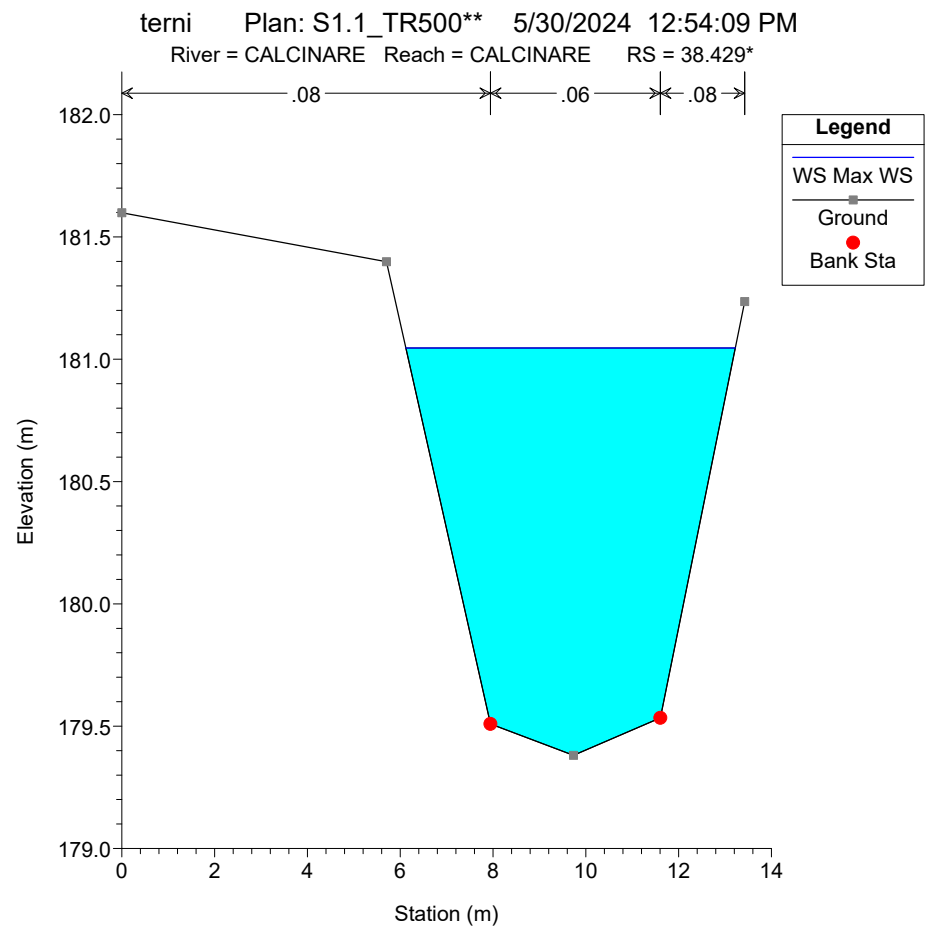
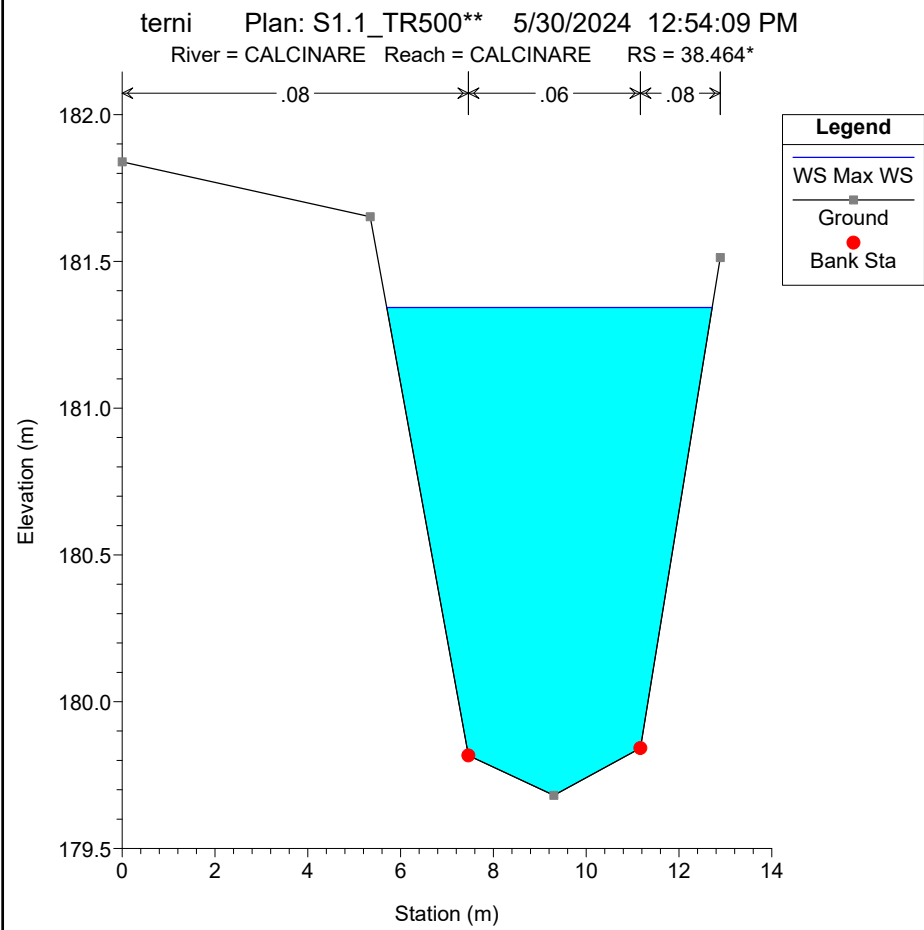
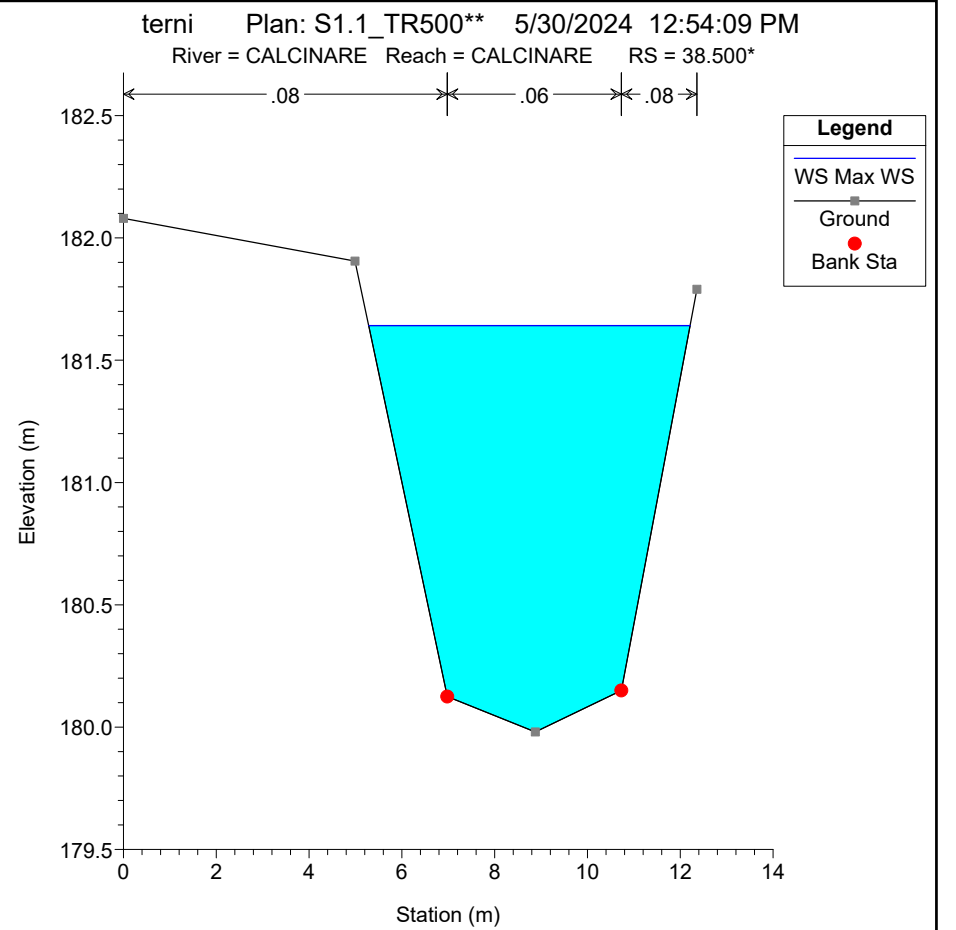
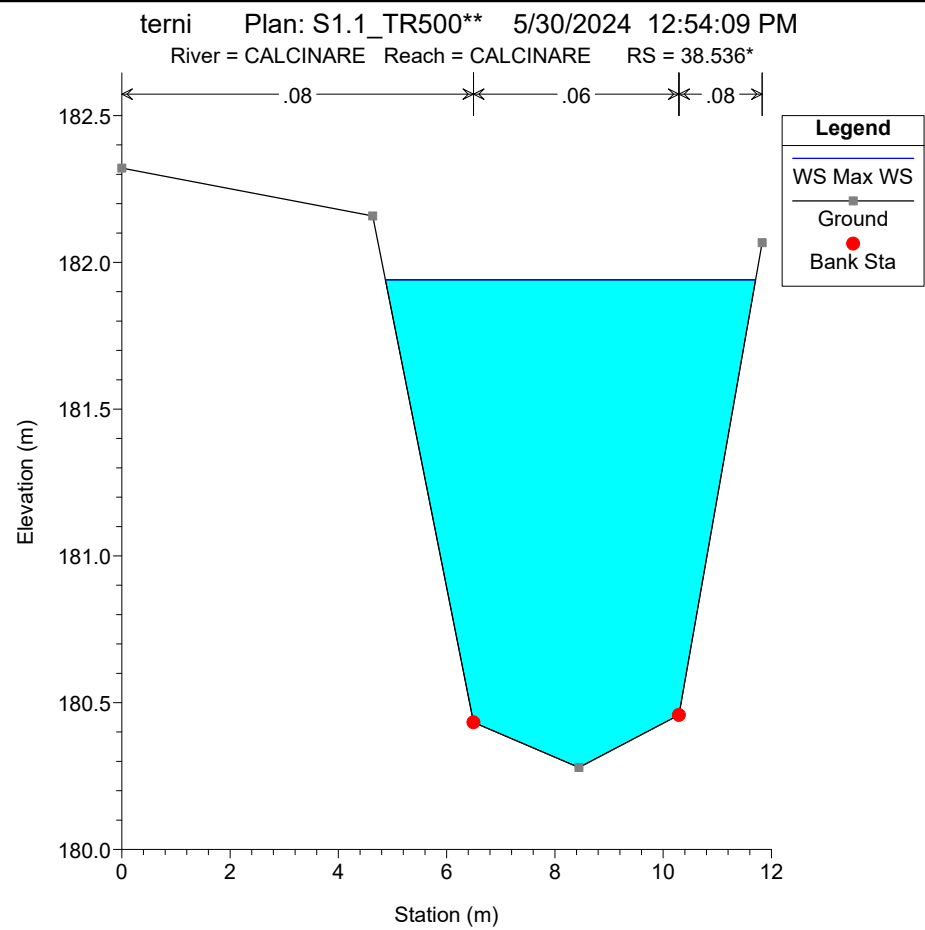
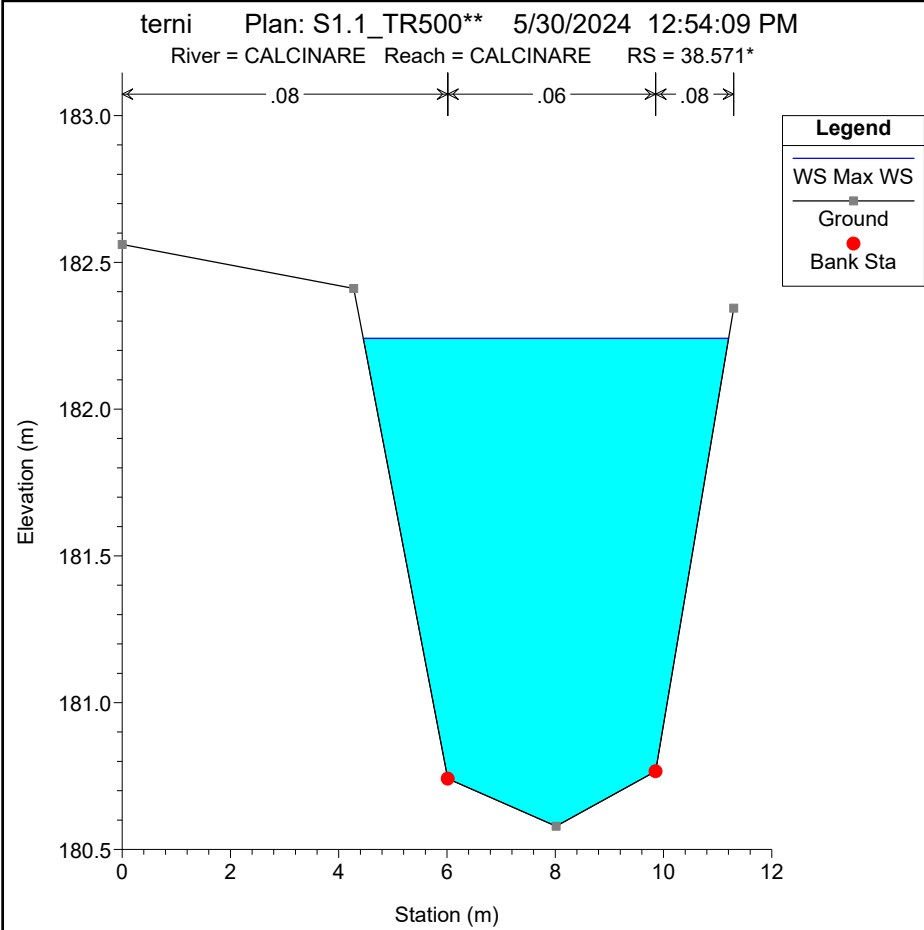


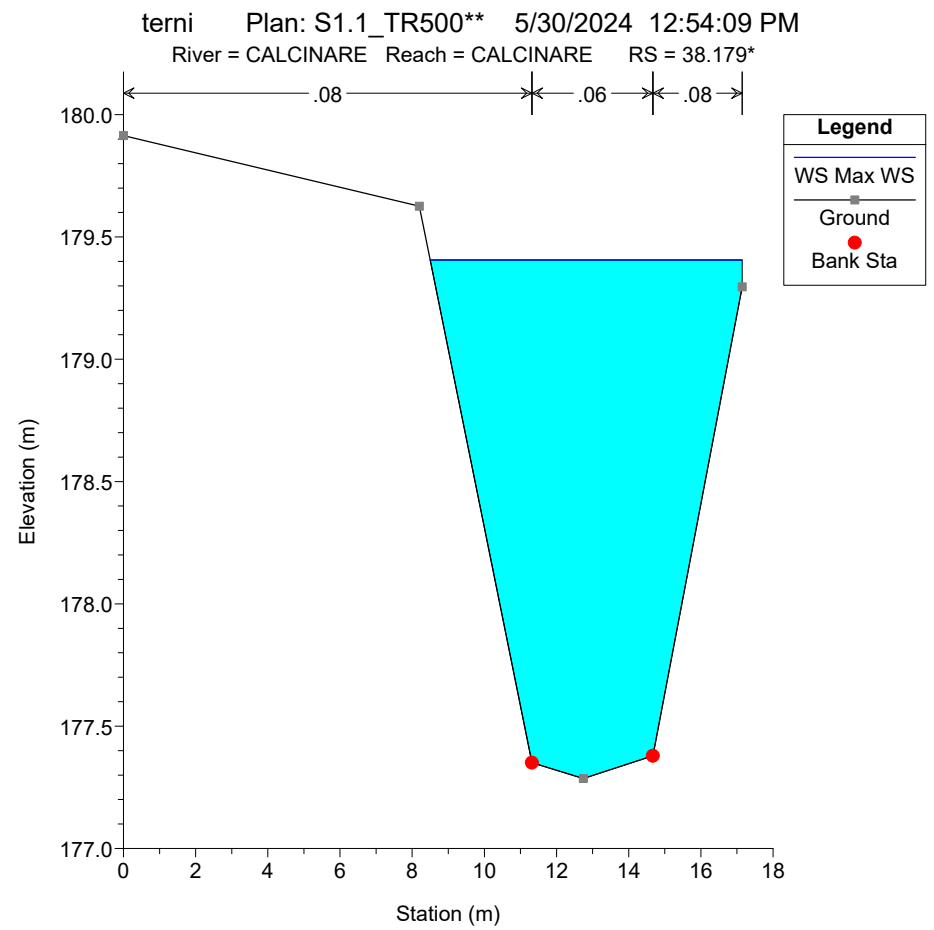
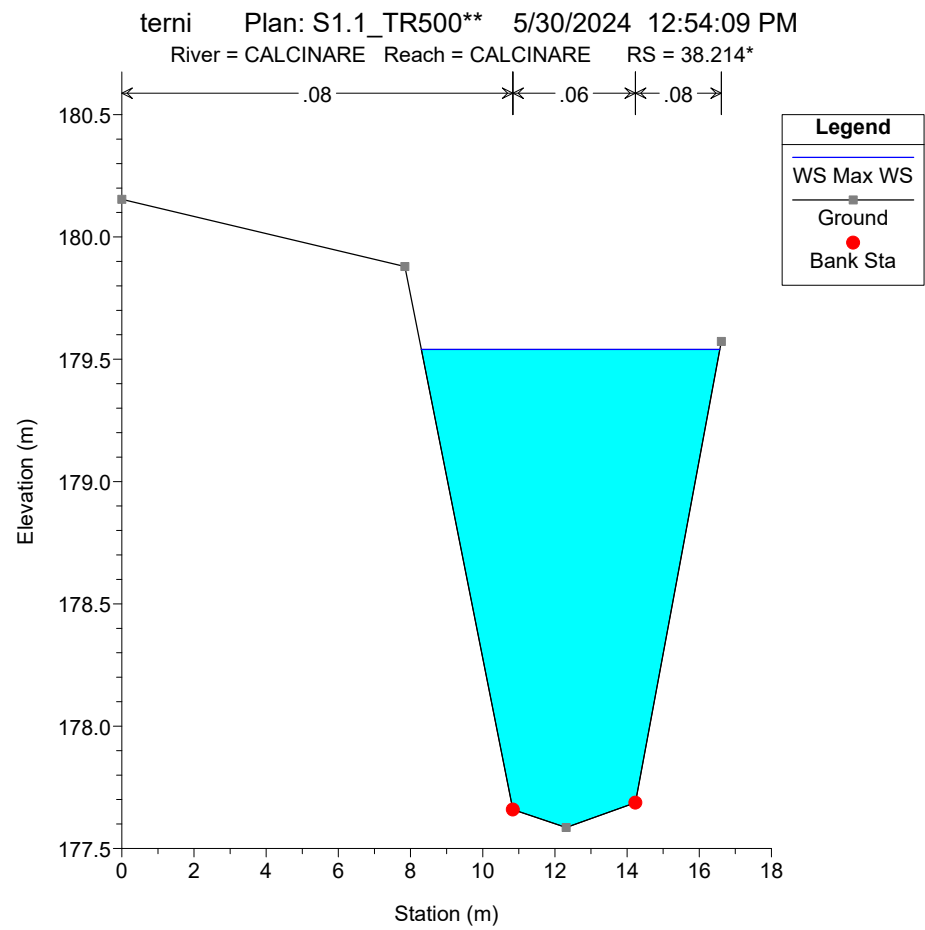
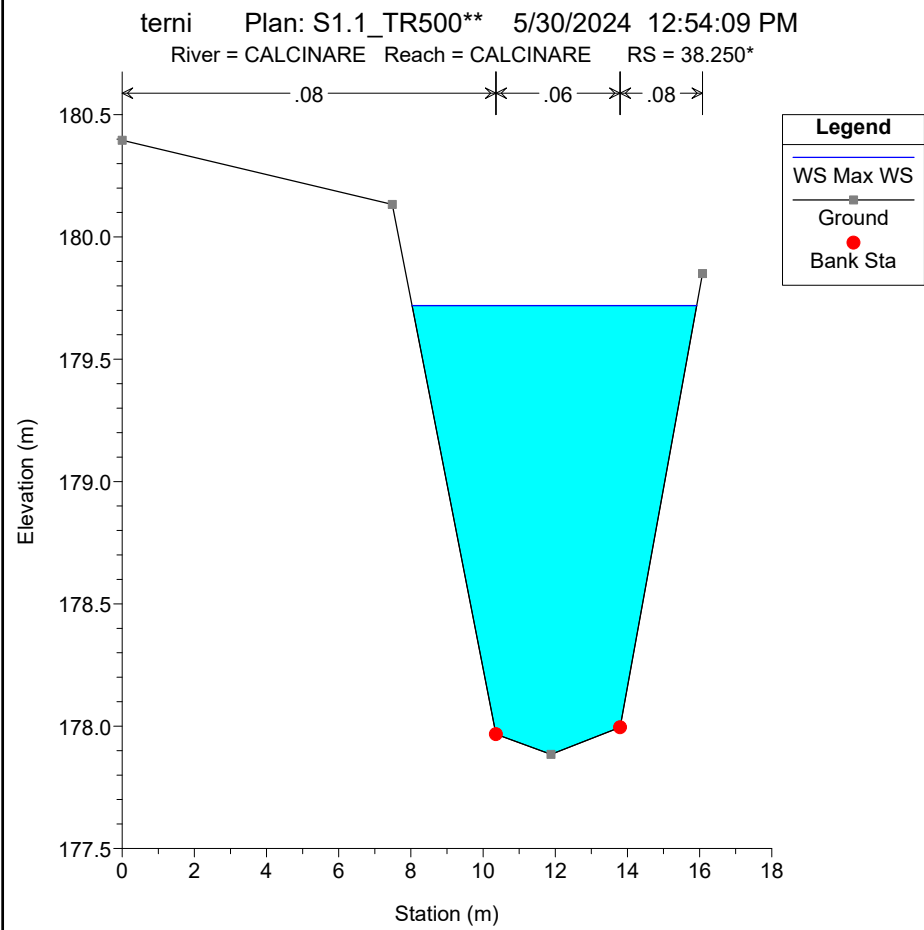
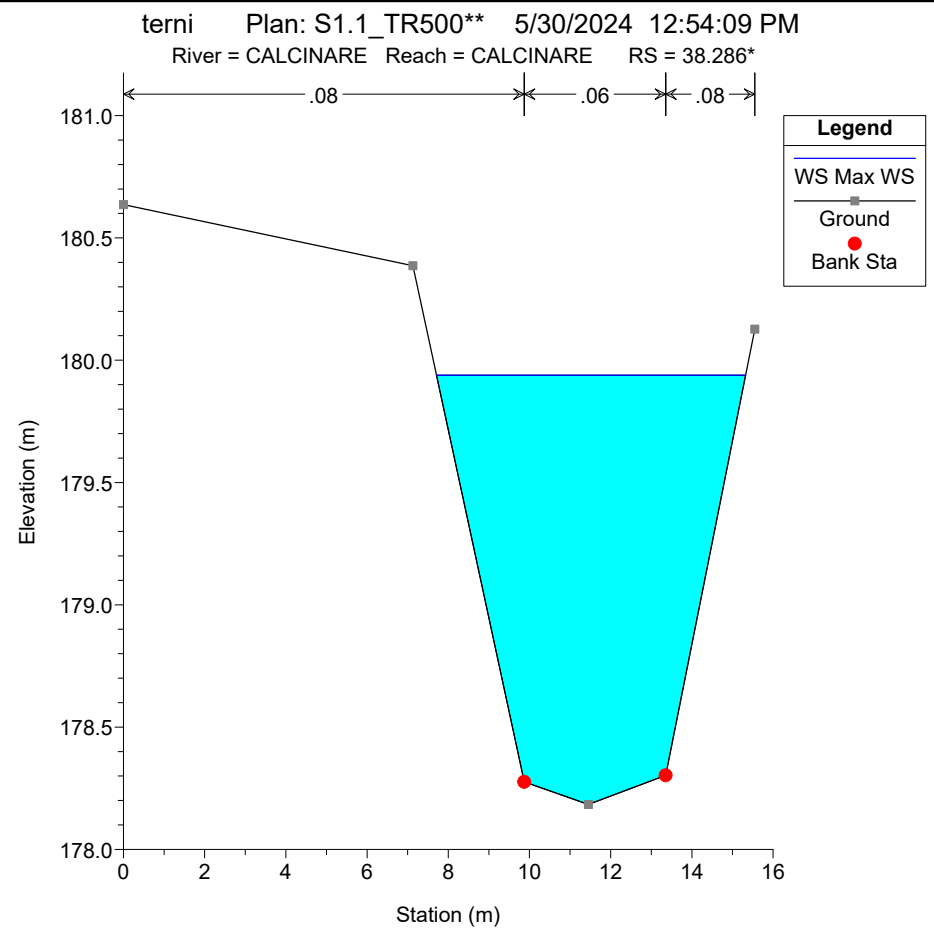
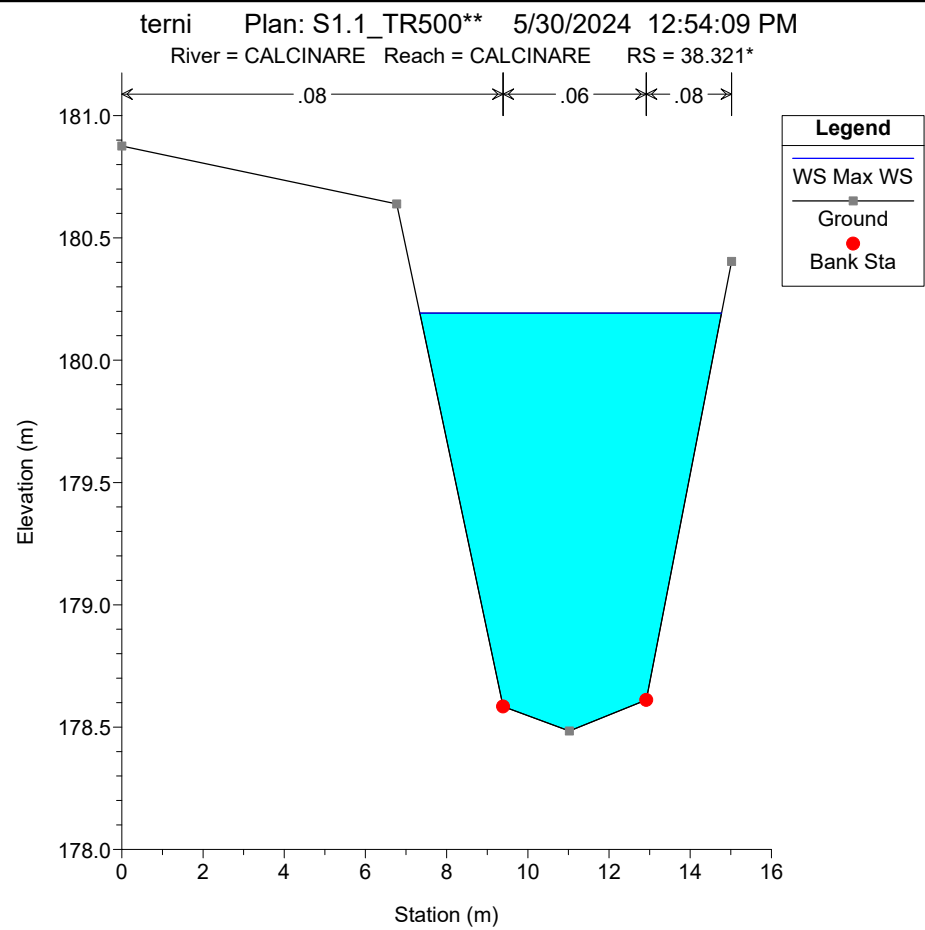
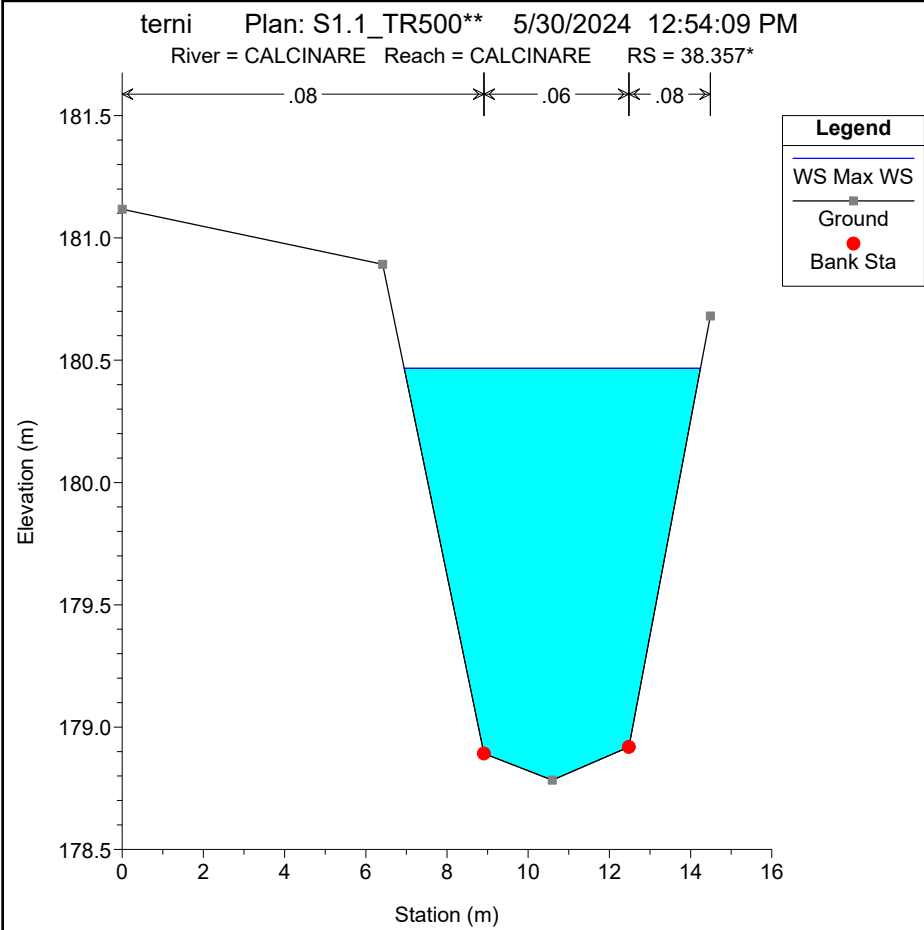
terni Plan: S1_TR500** 30/05/2024

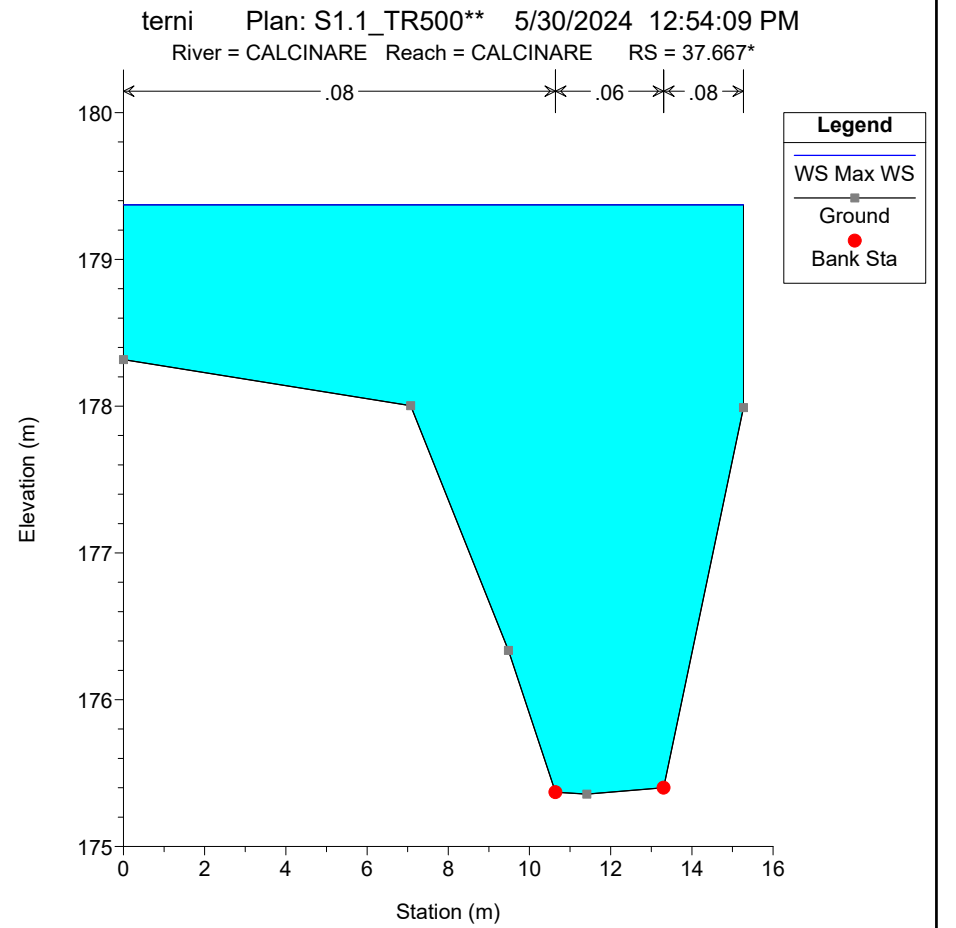
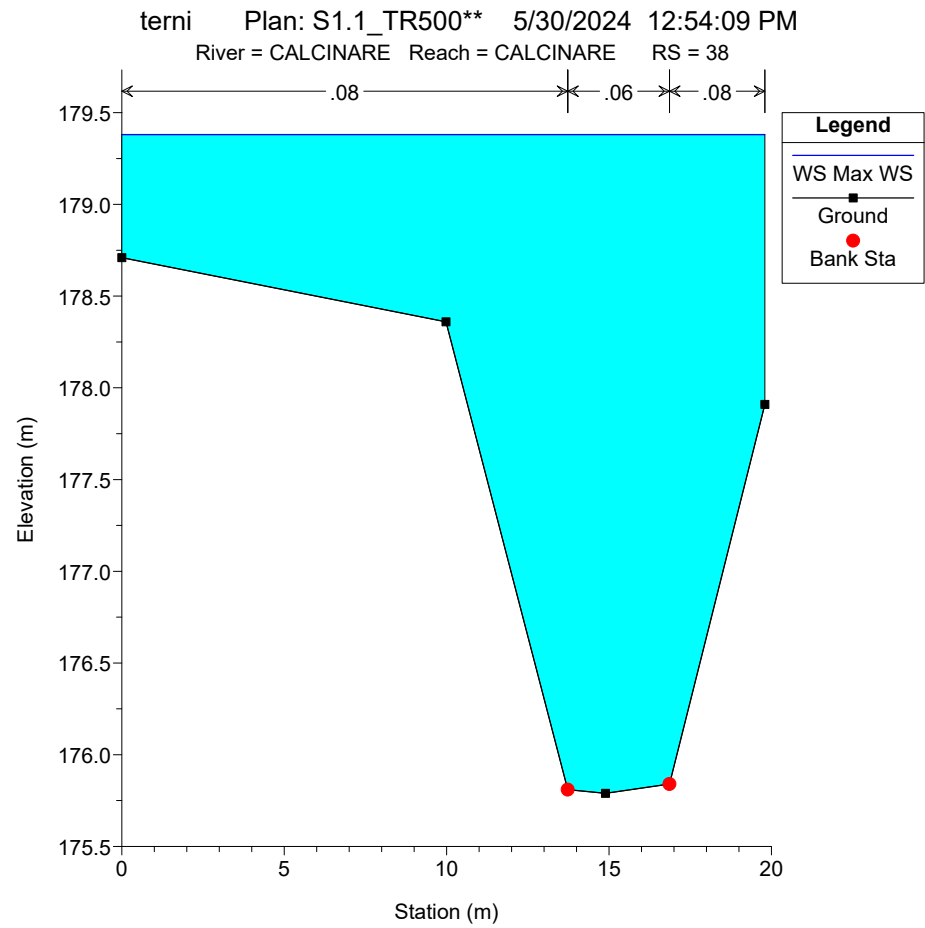
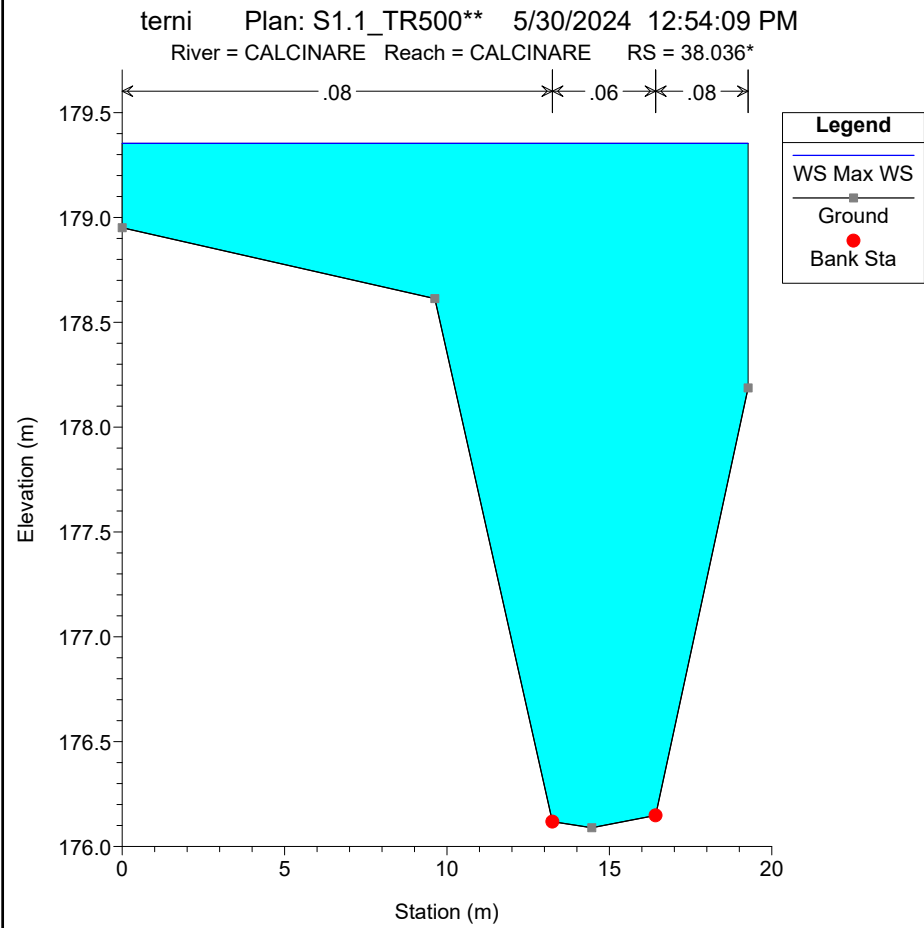
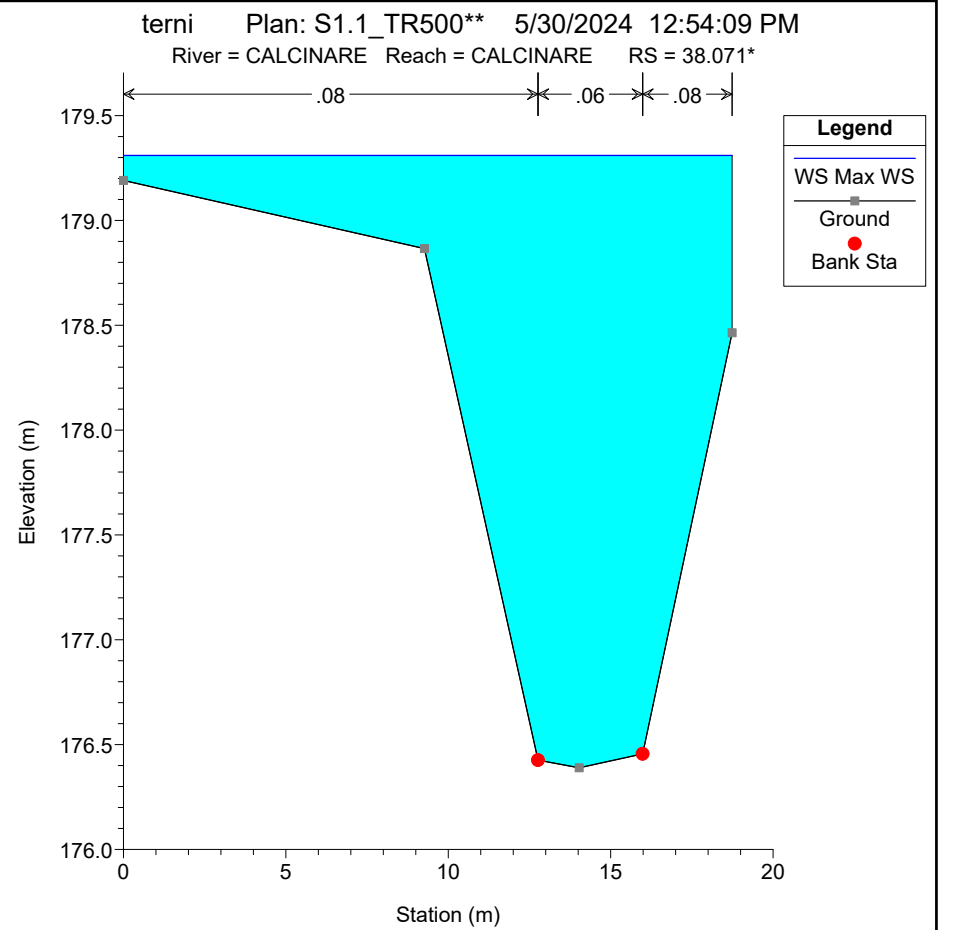
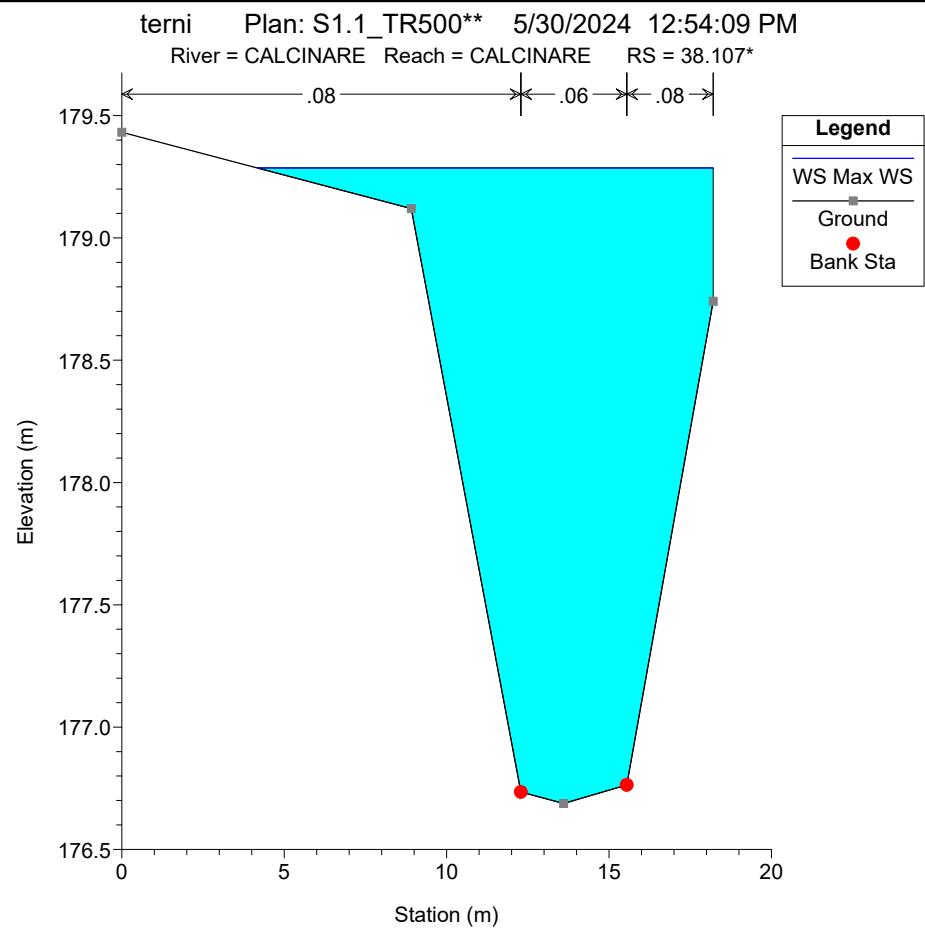
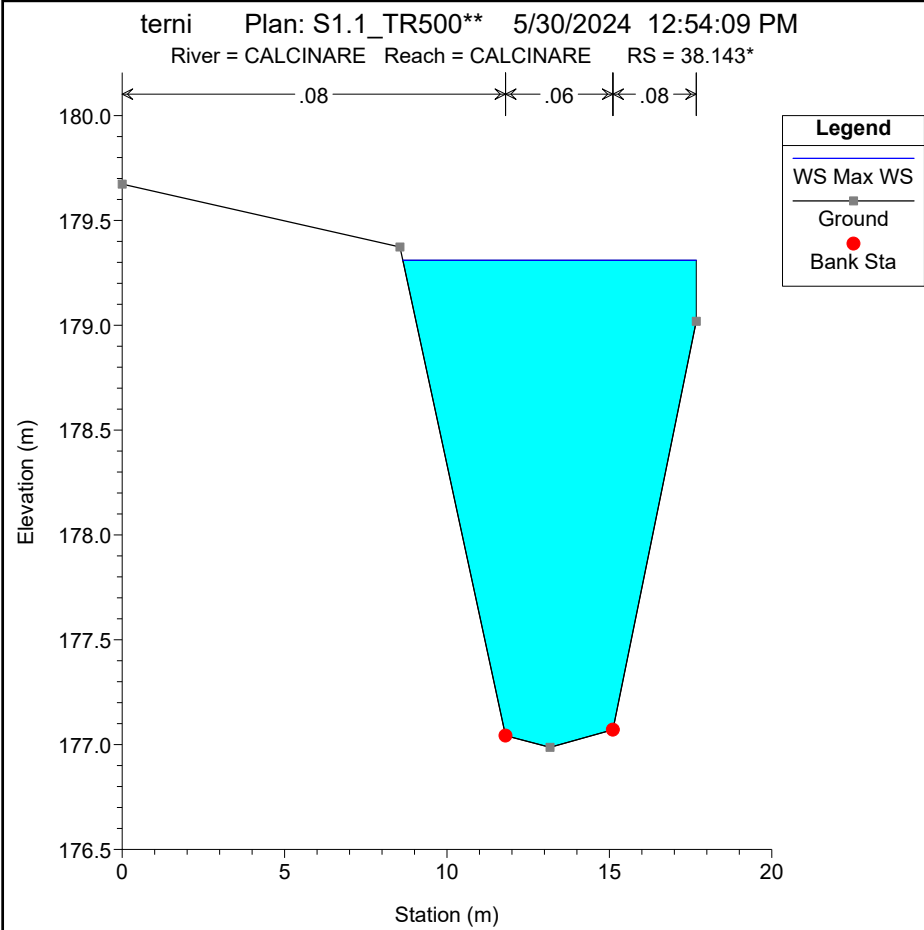


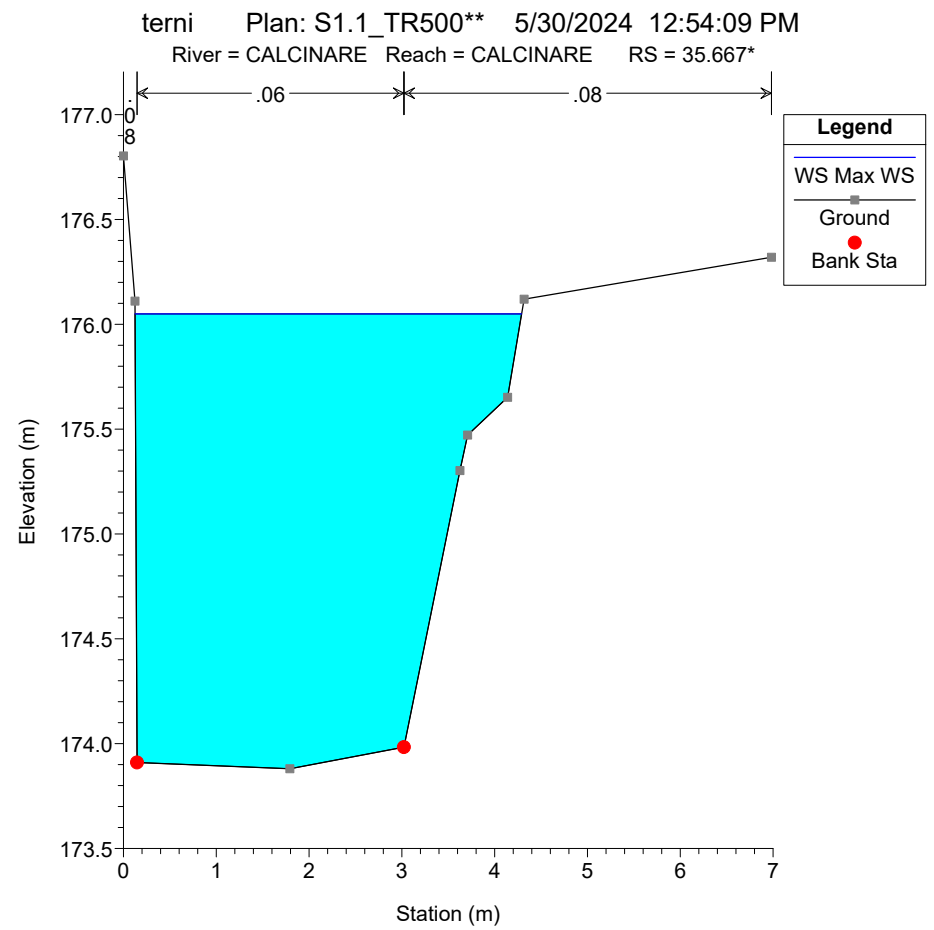
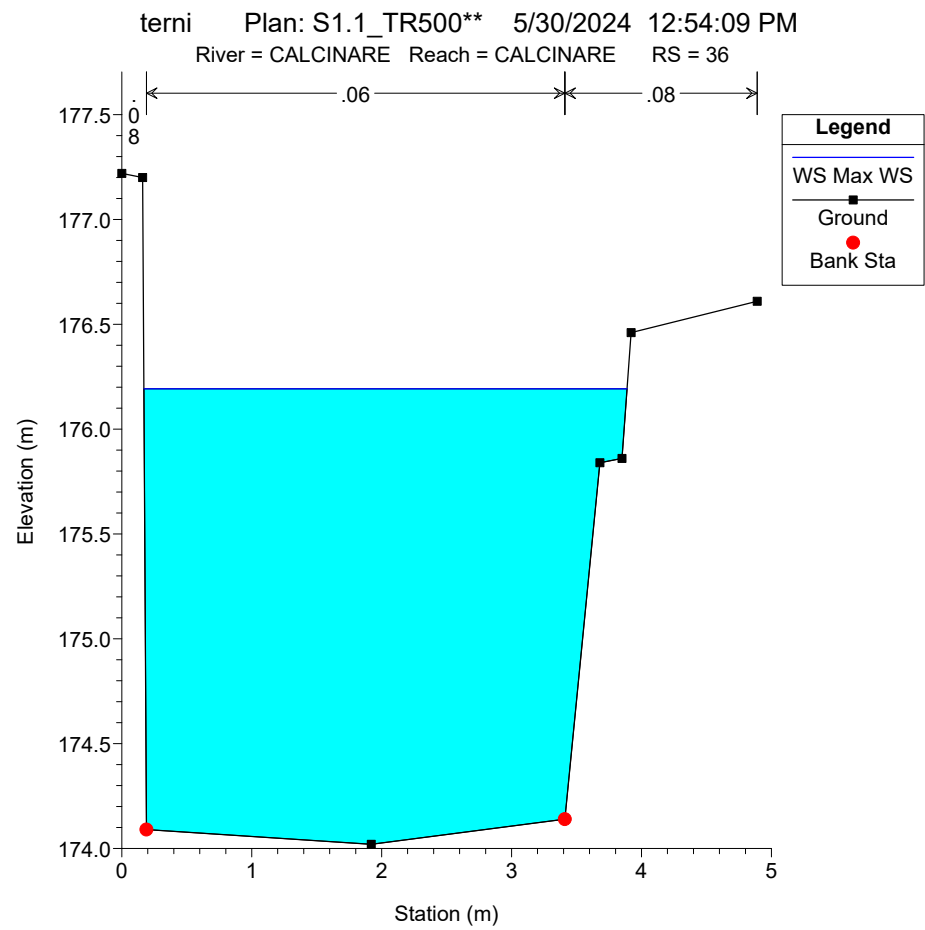
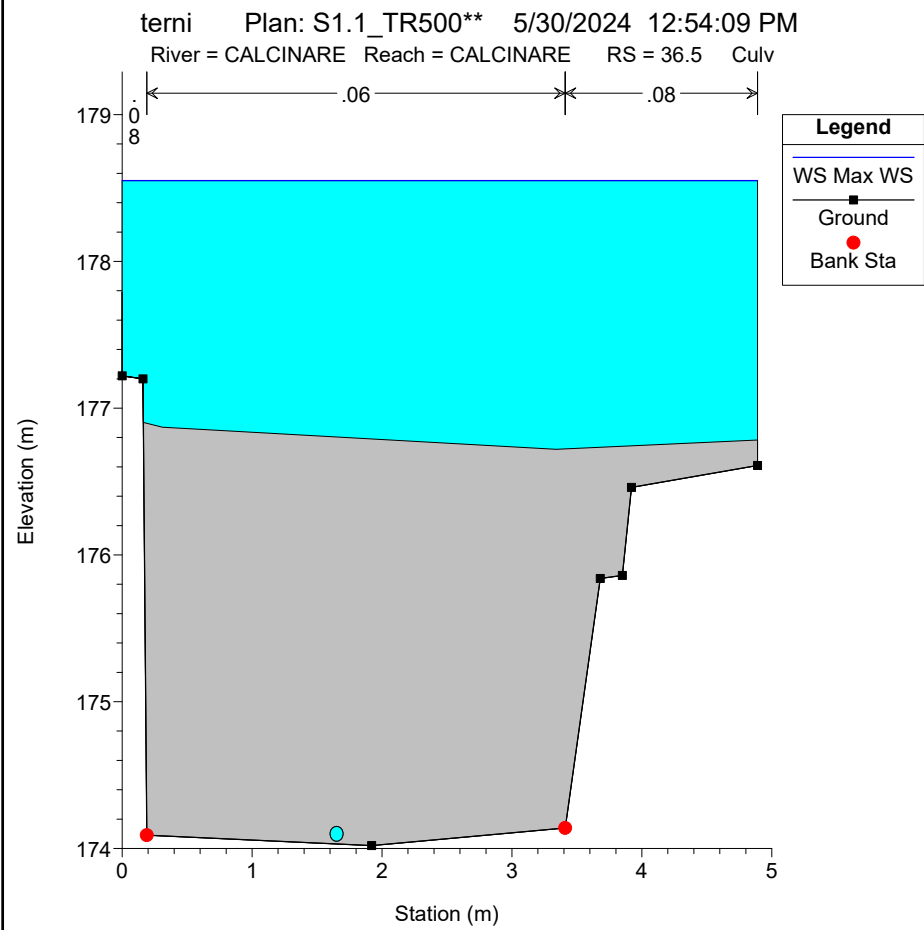
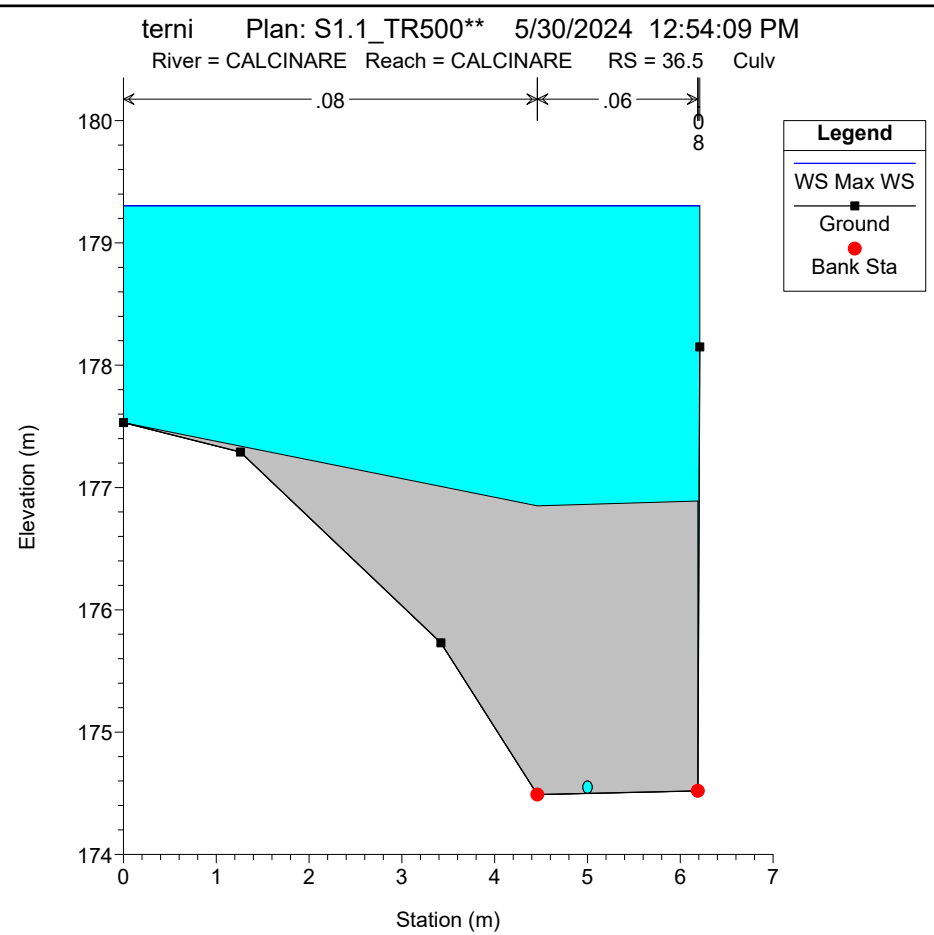
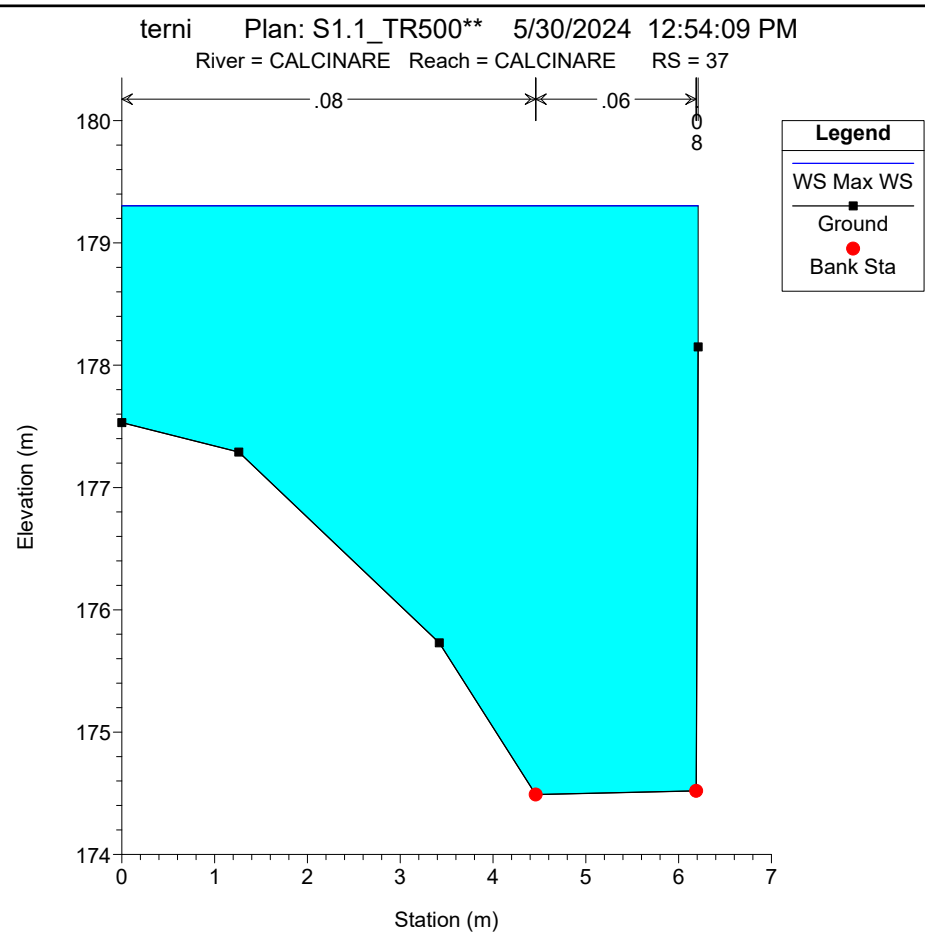
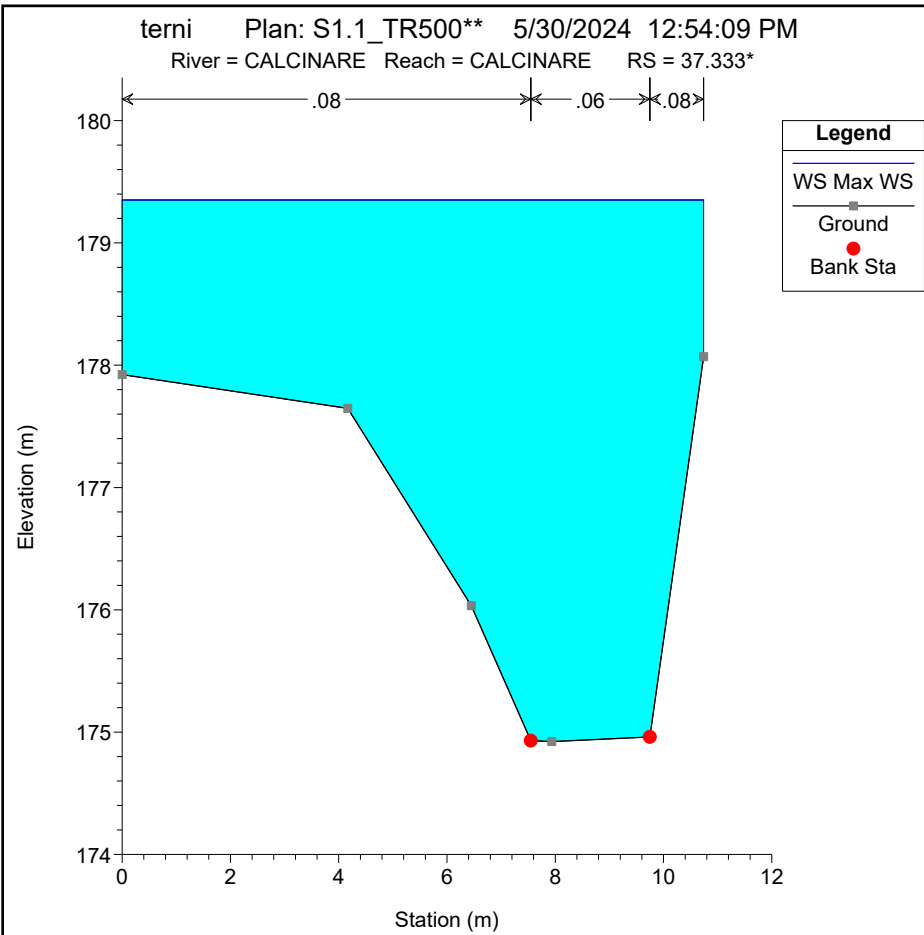


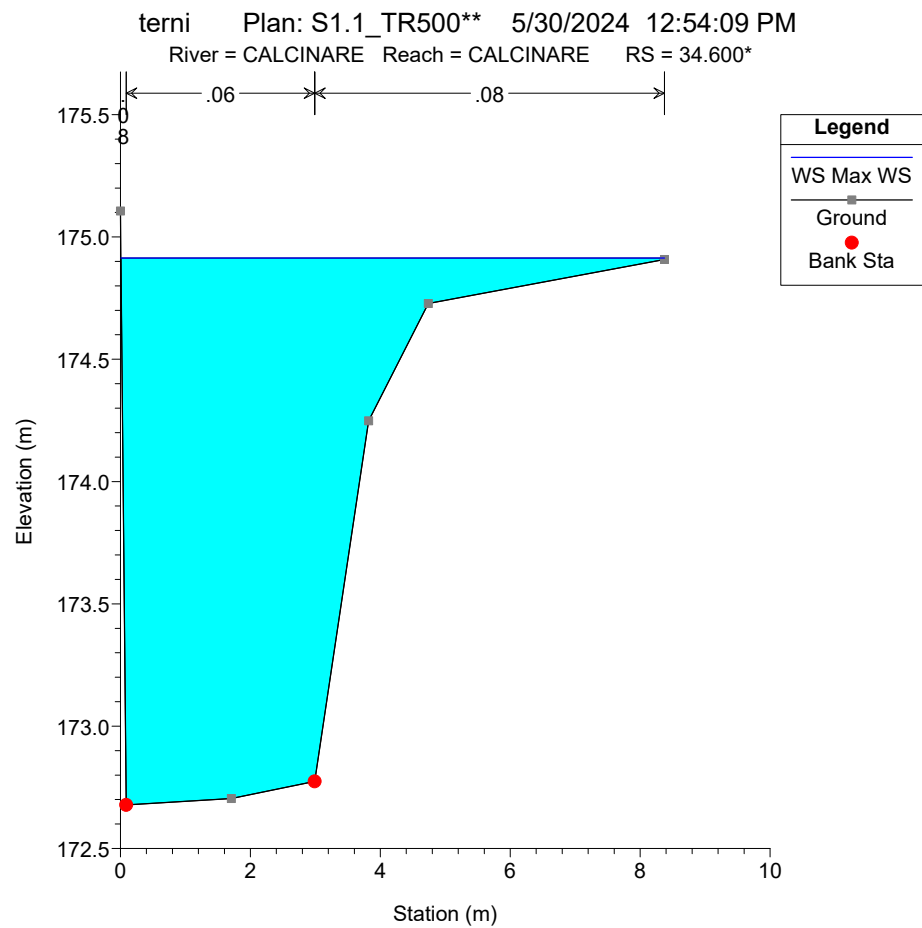
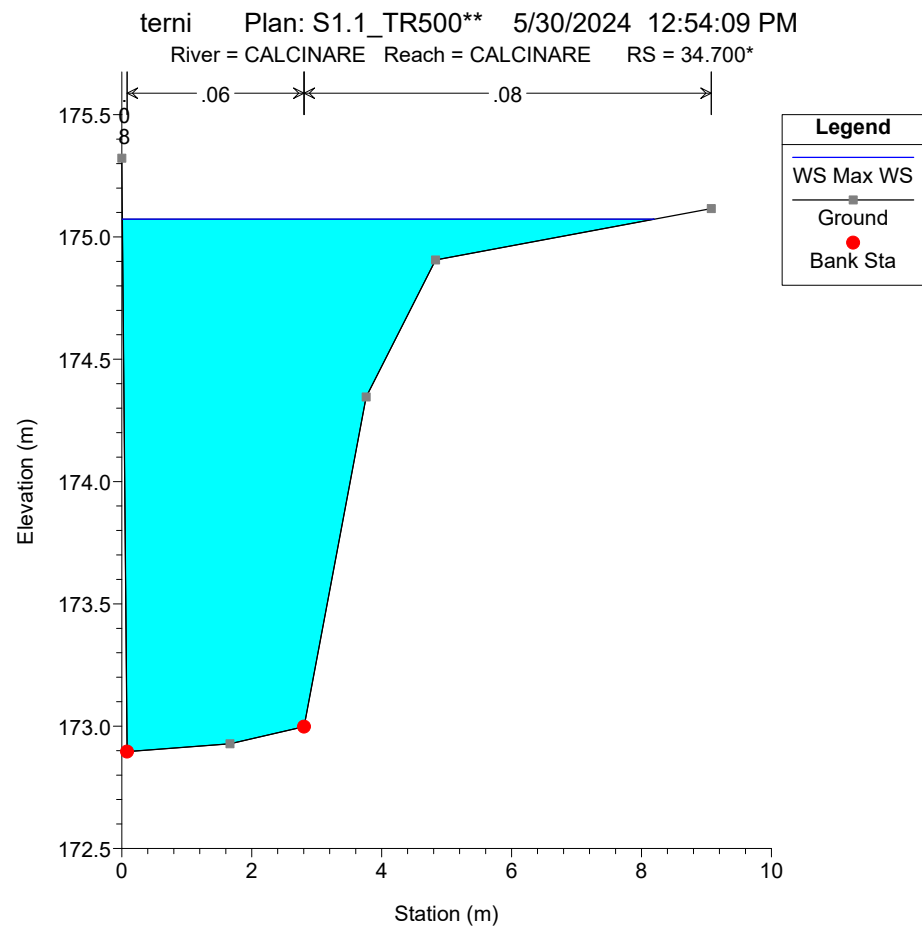
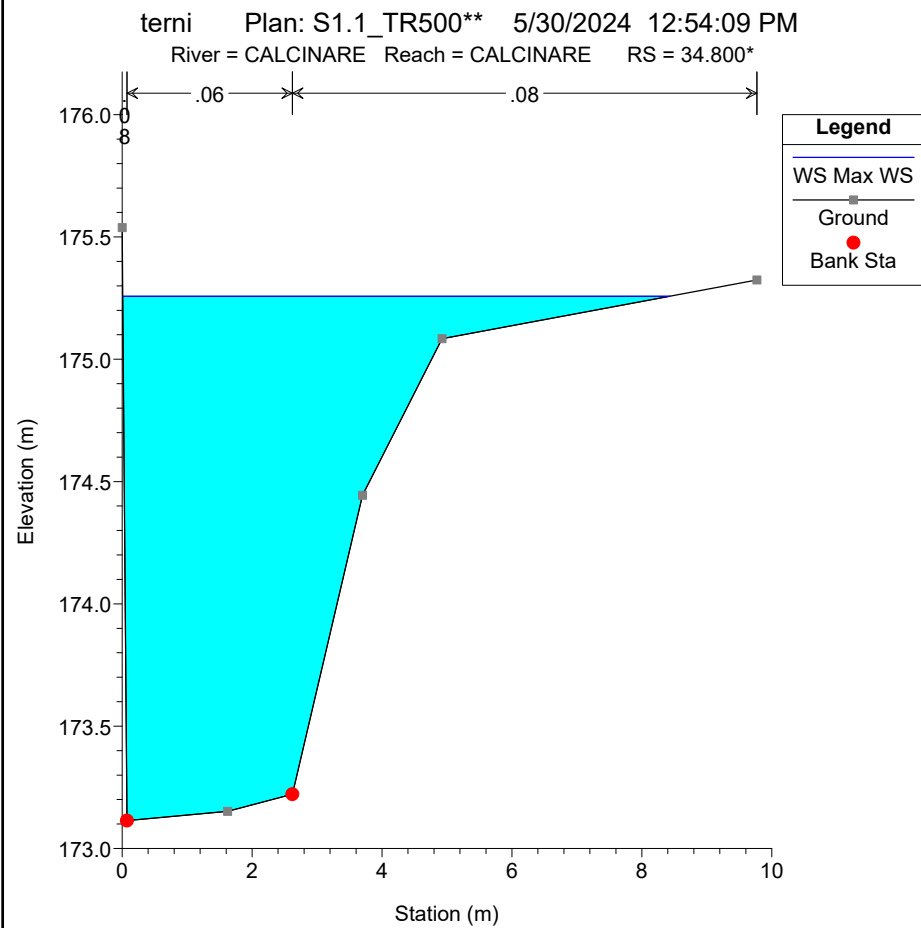
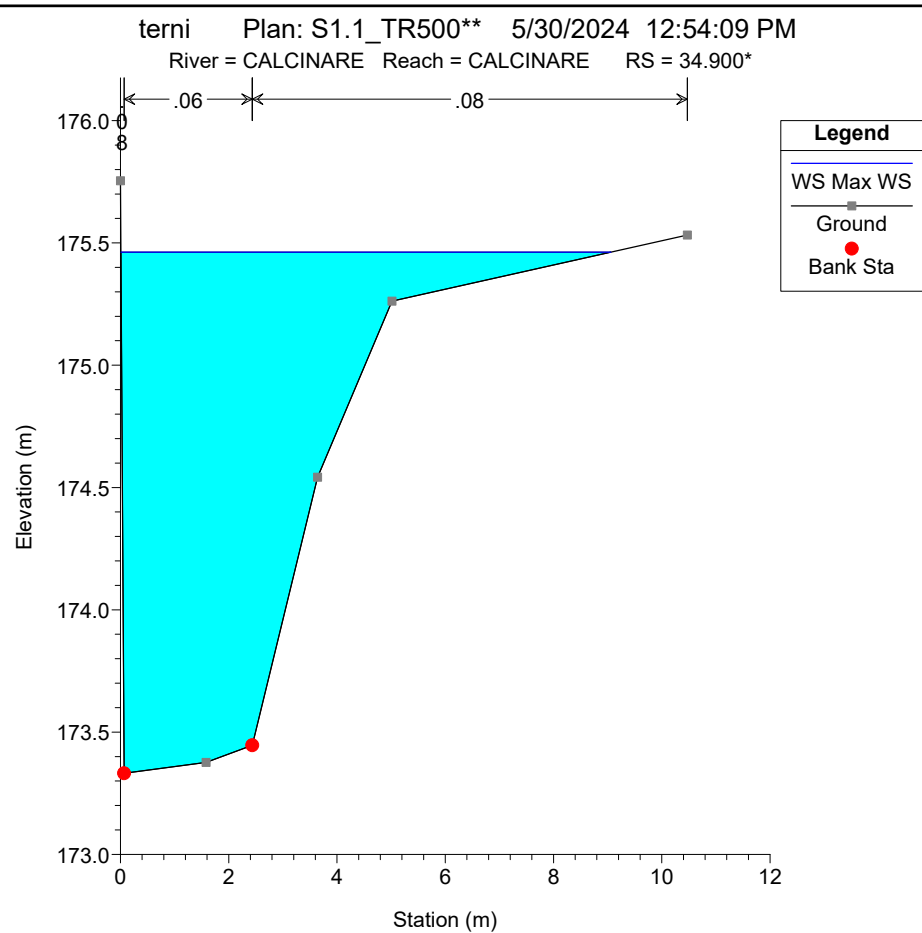
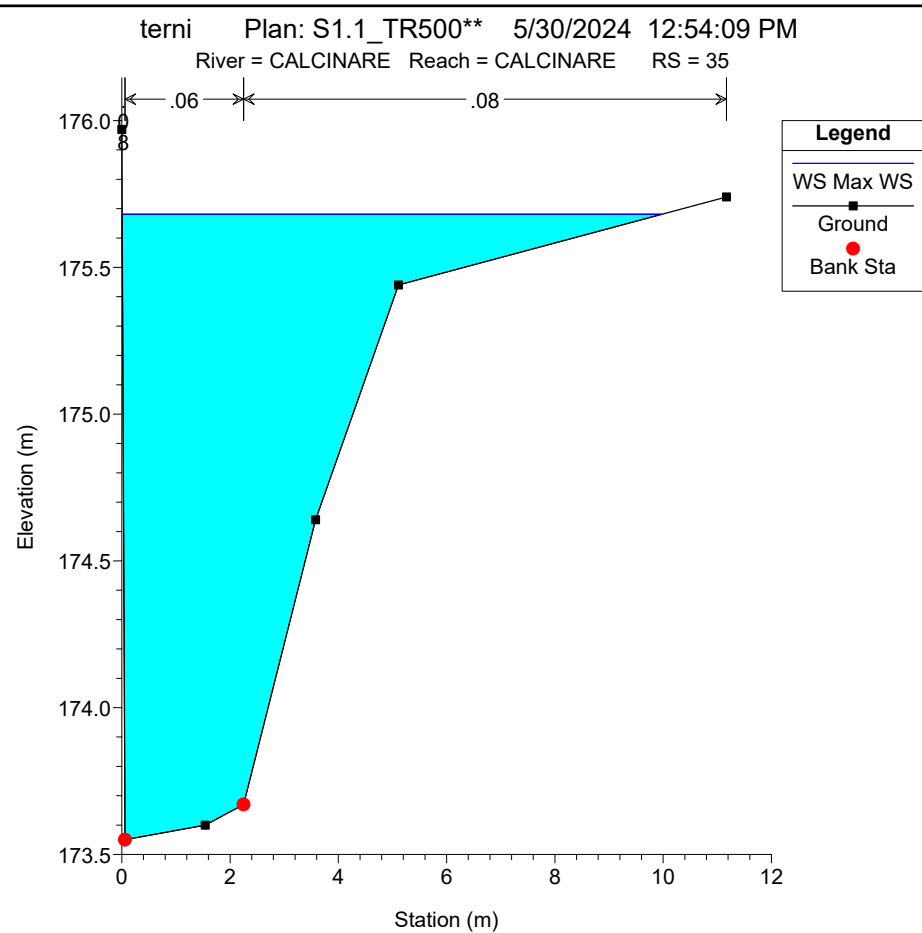
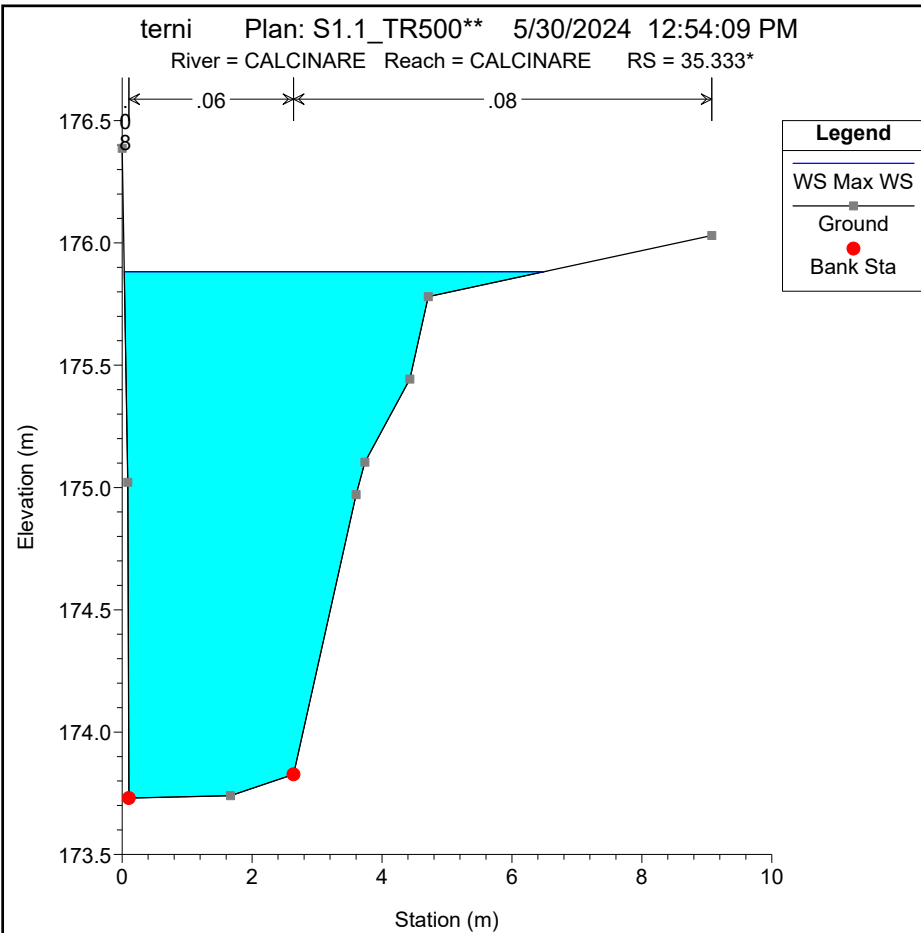


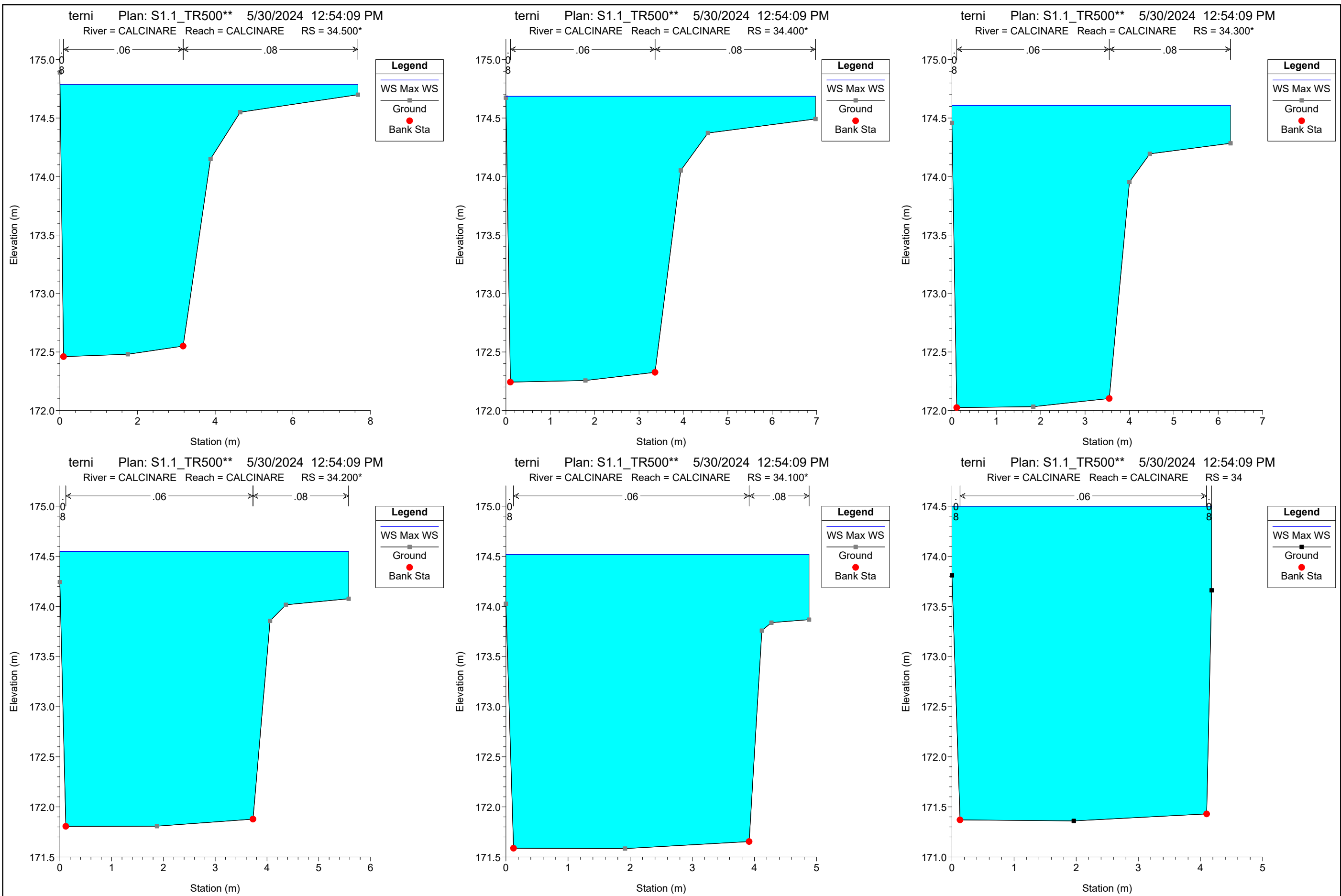


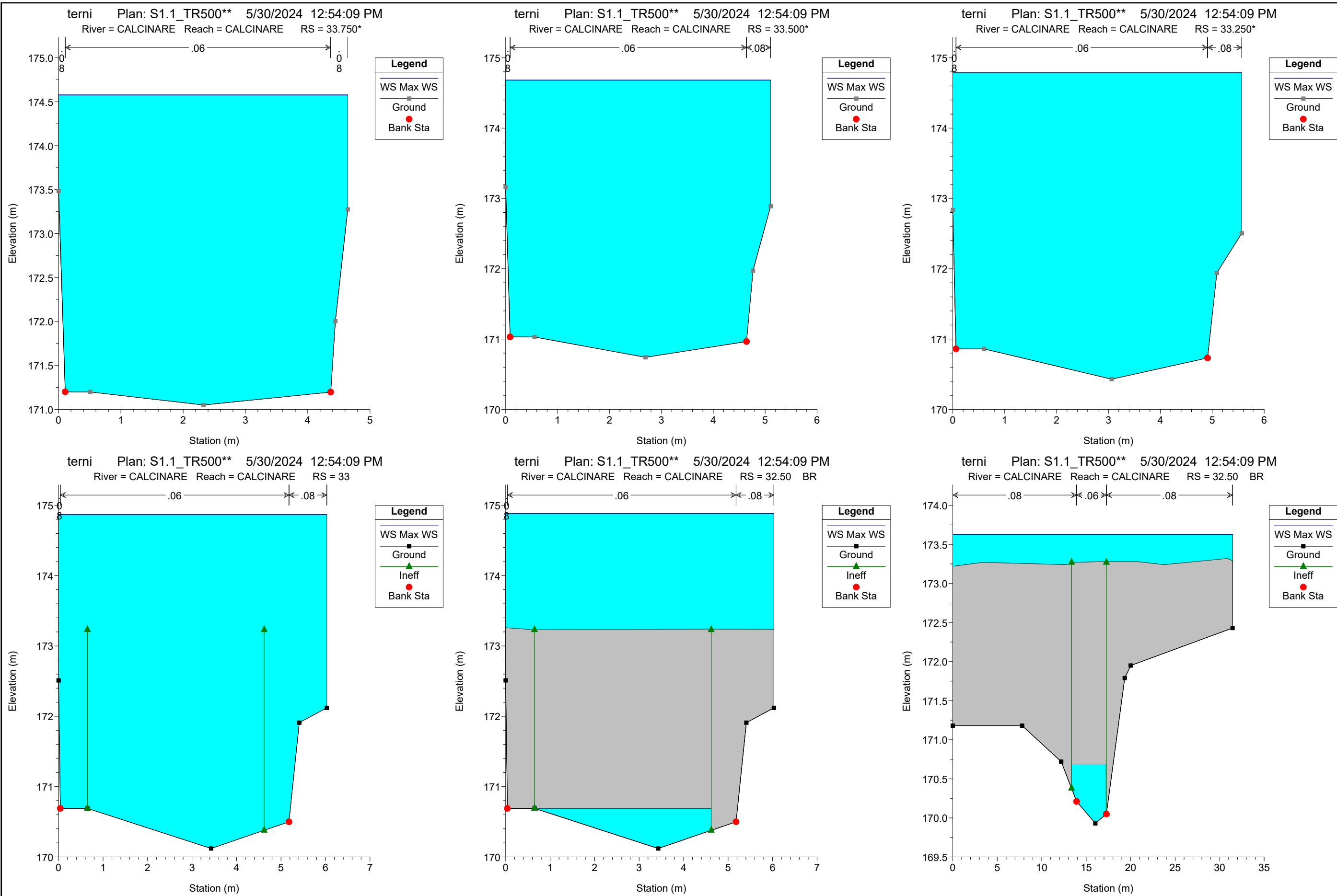


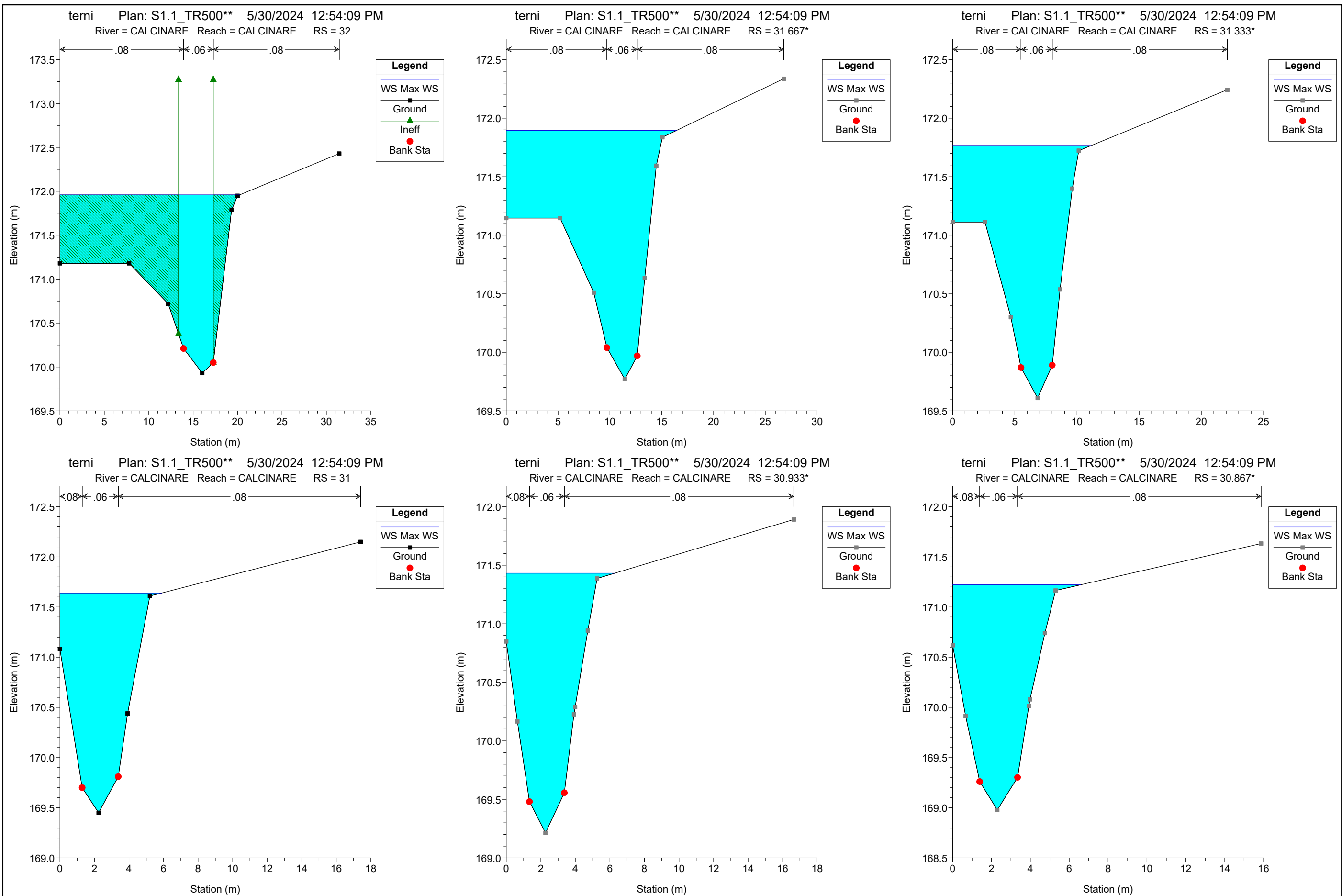


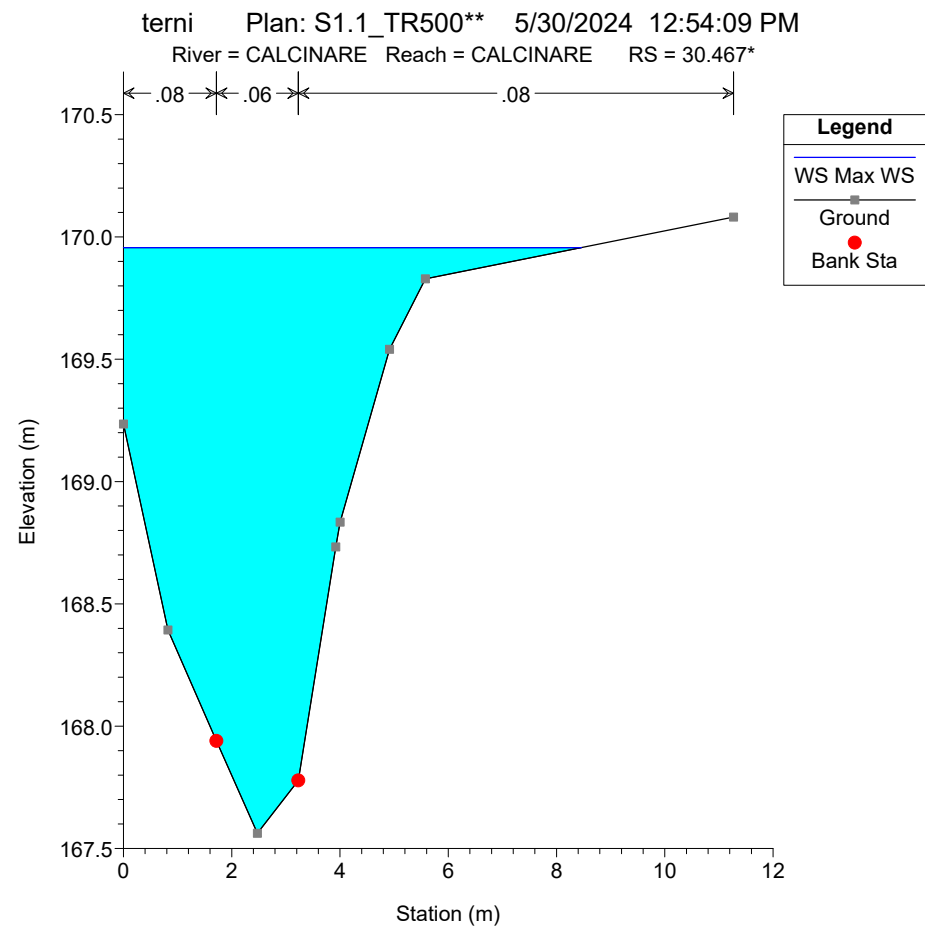
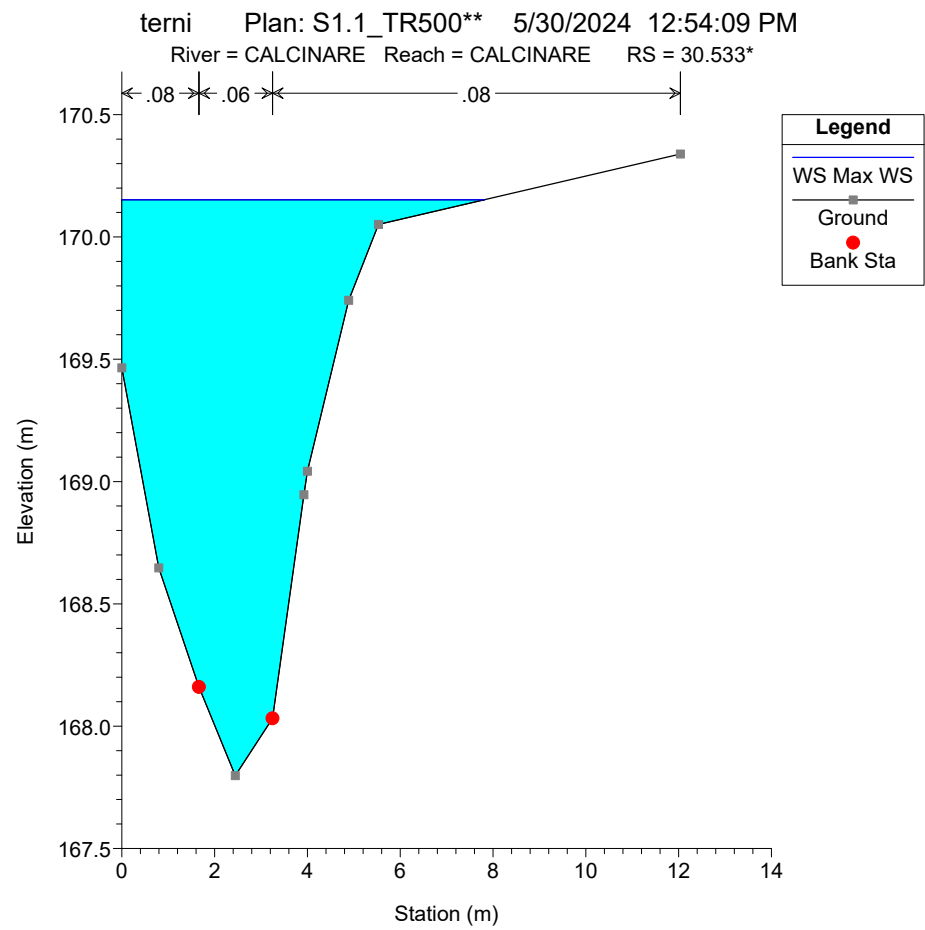
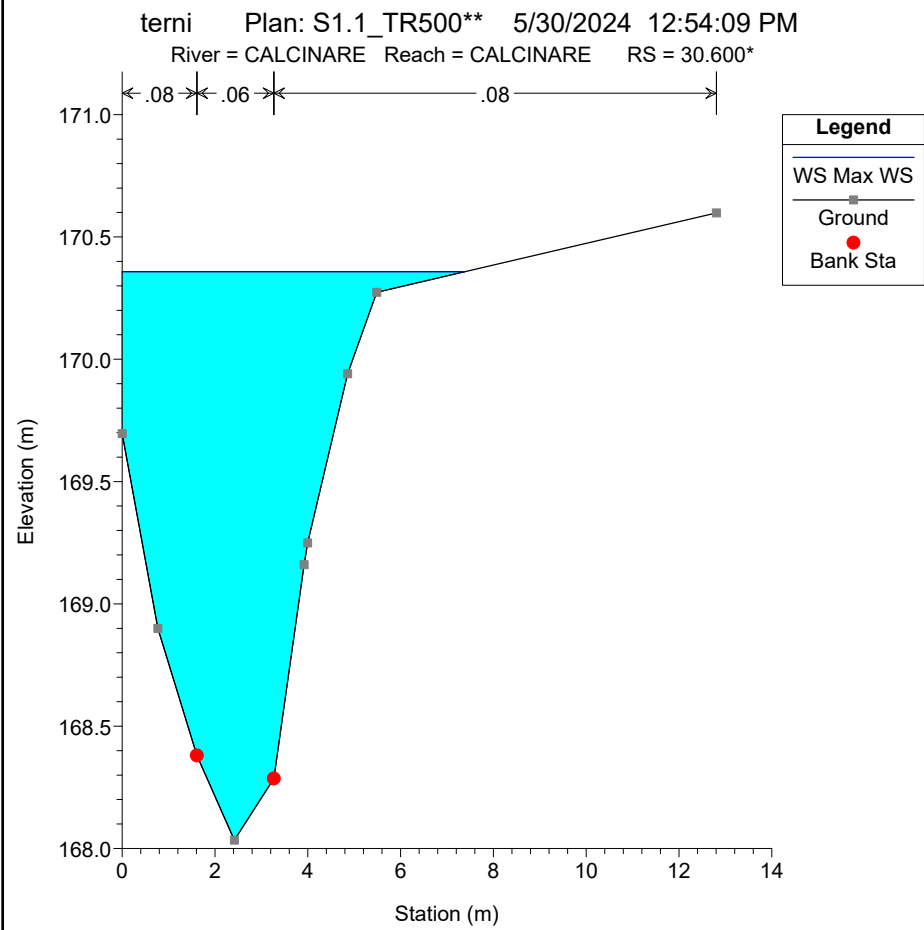
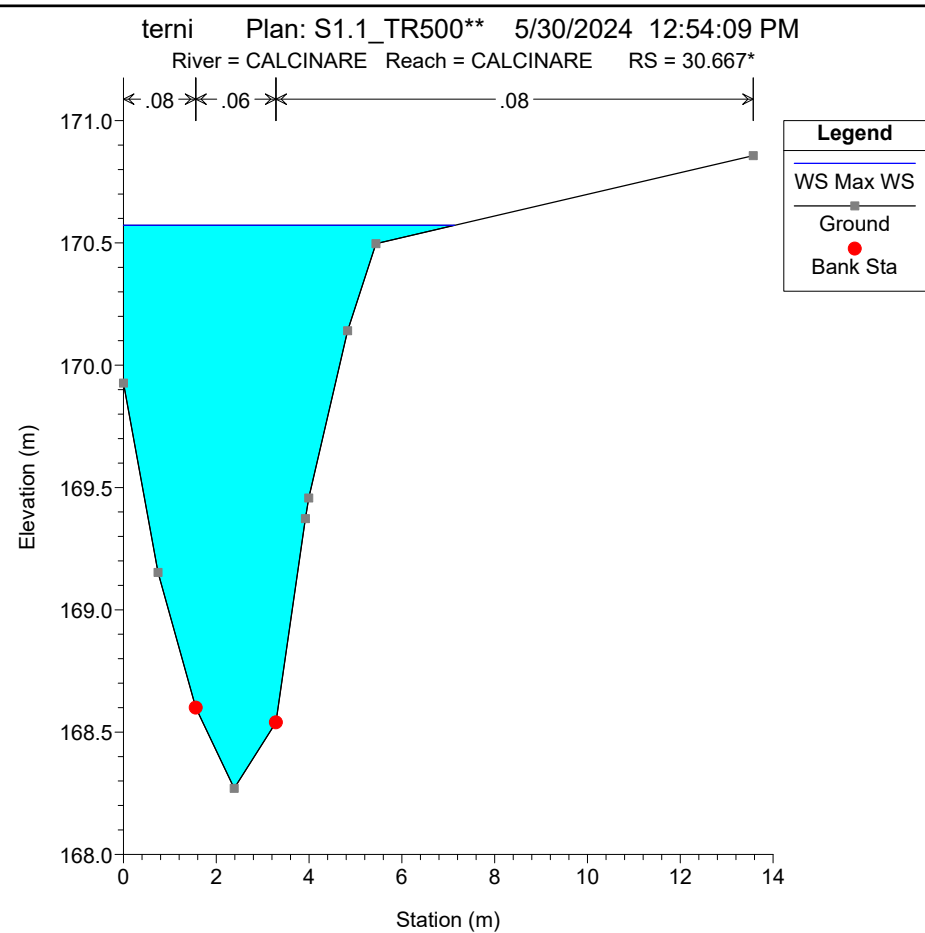
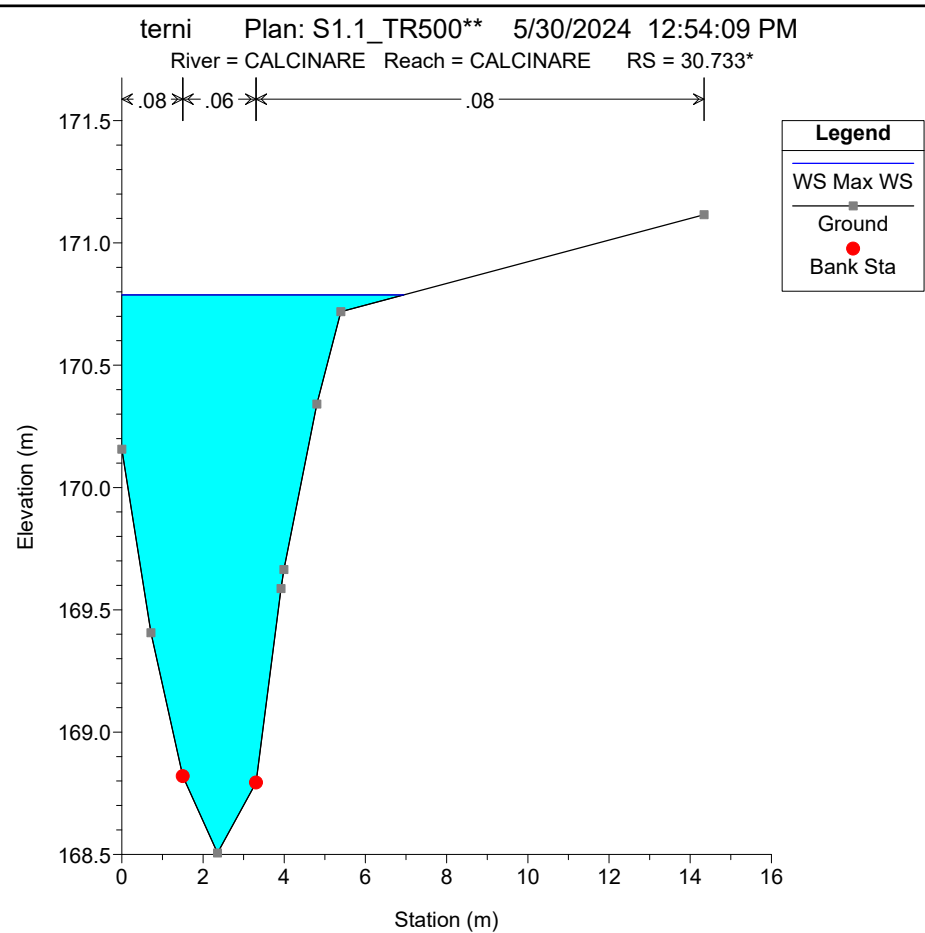
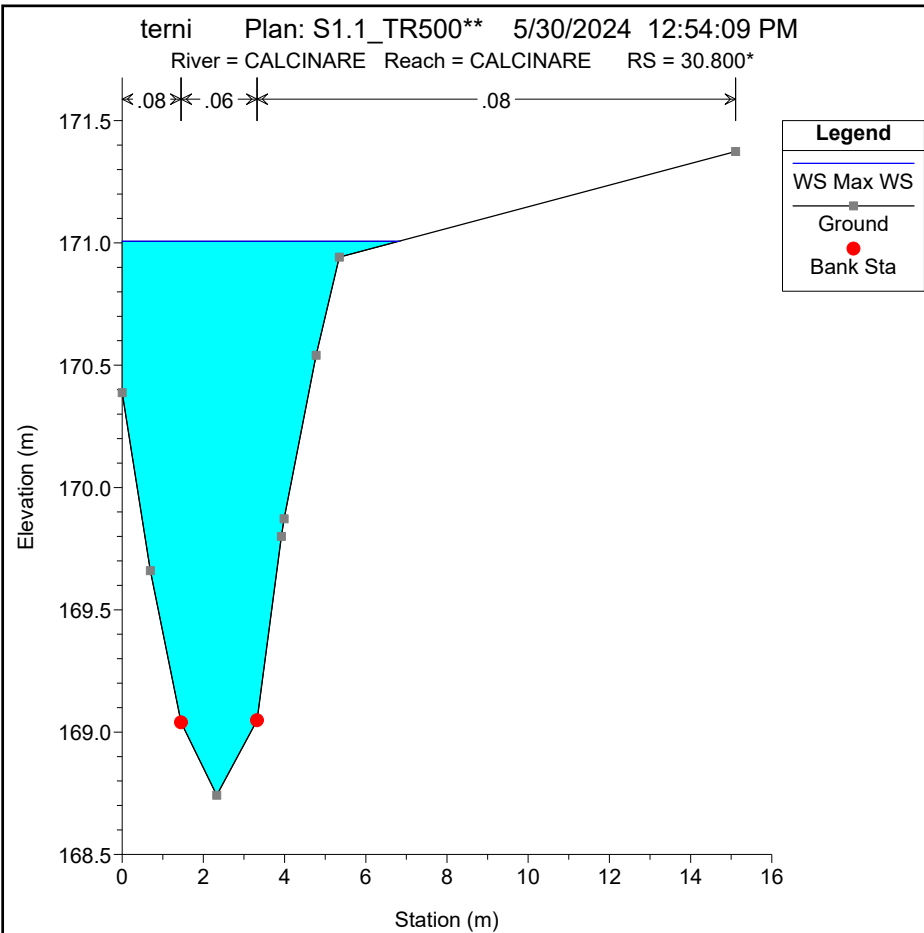


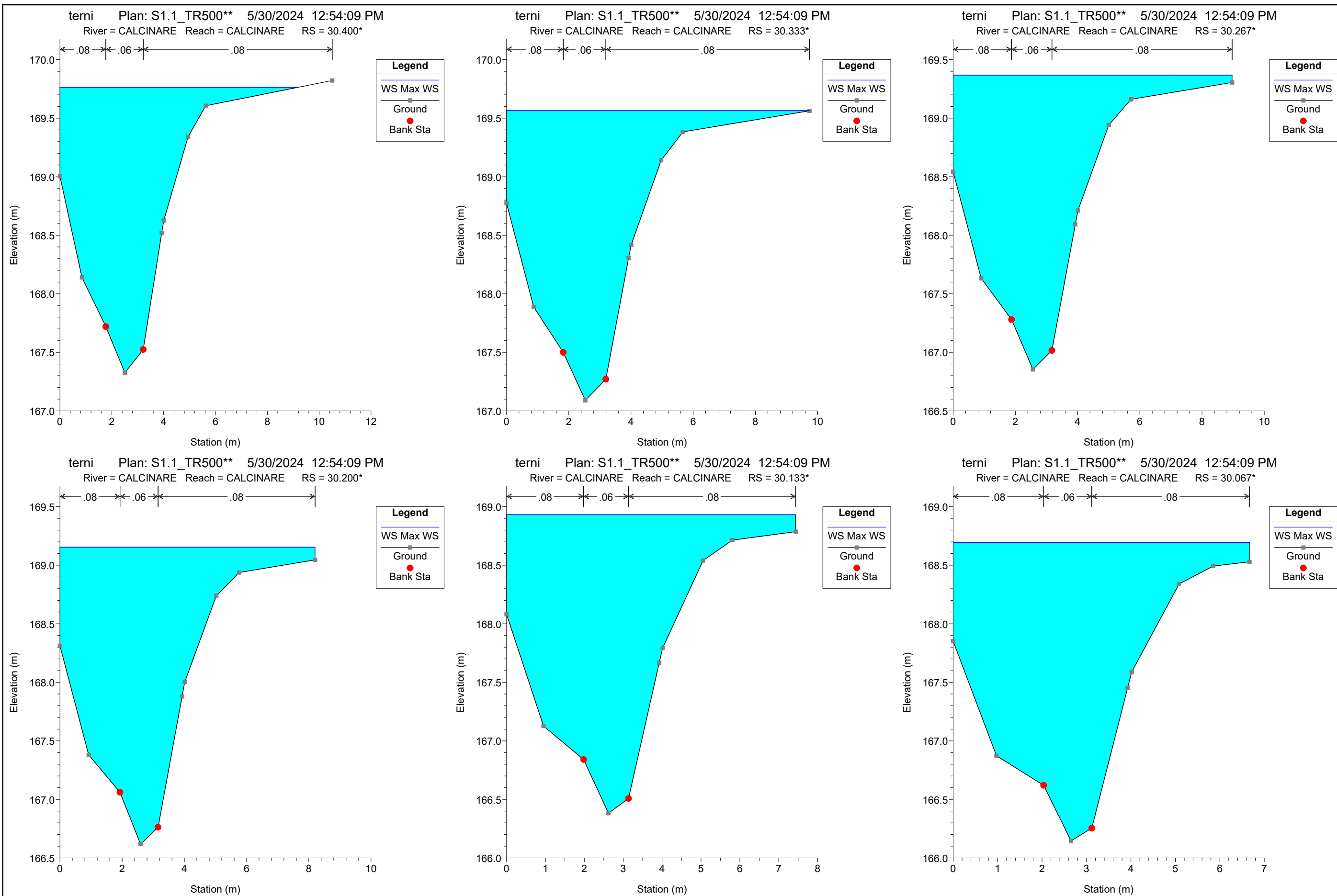


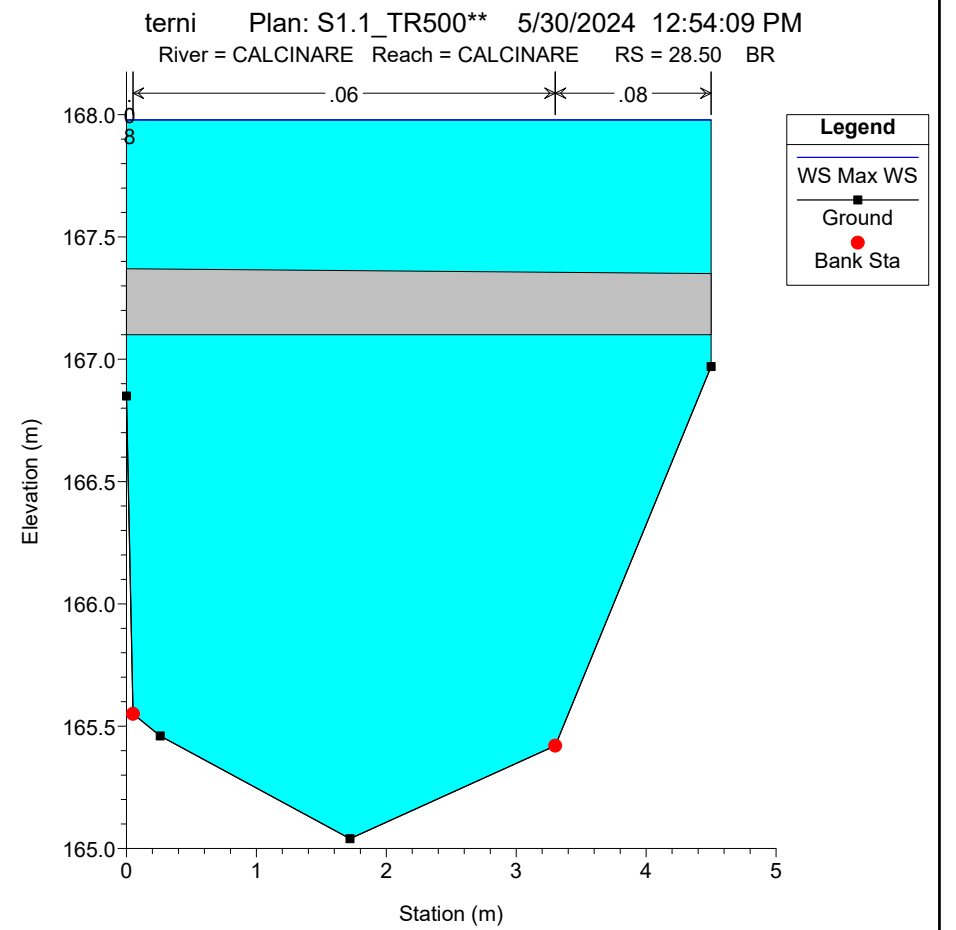
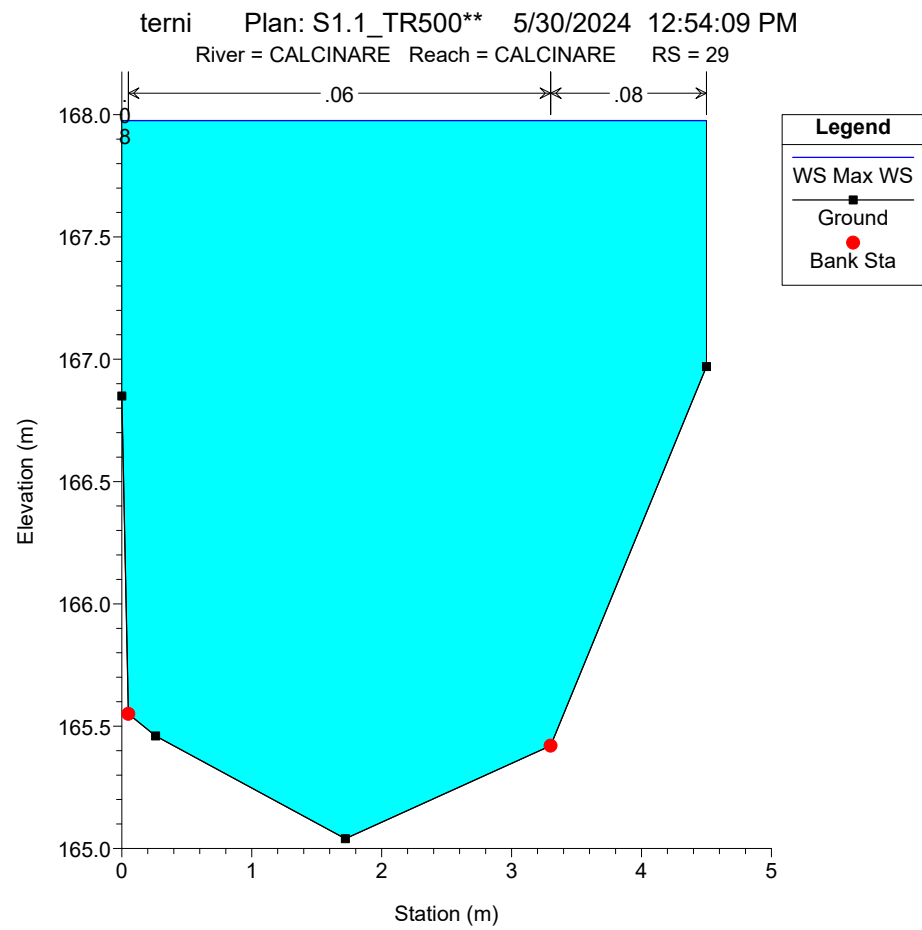
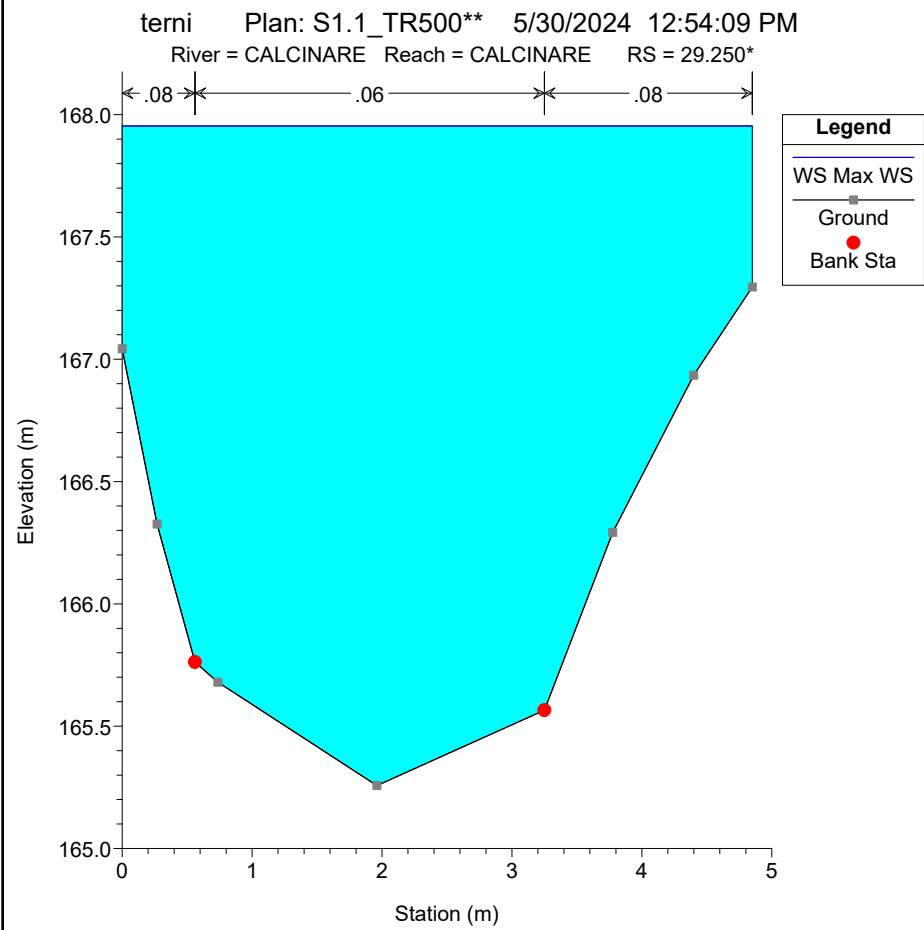
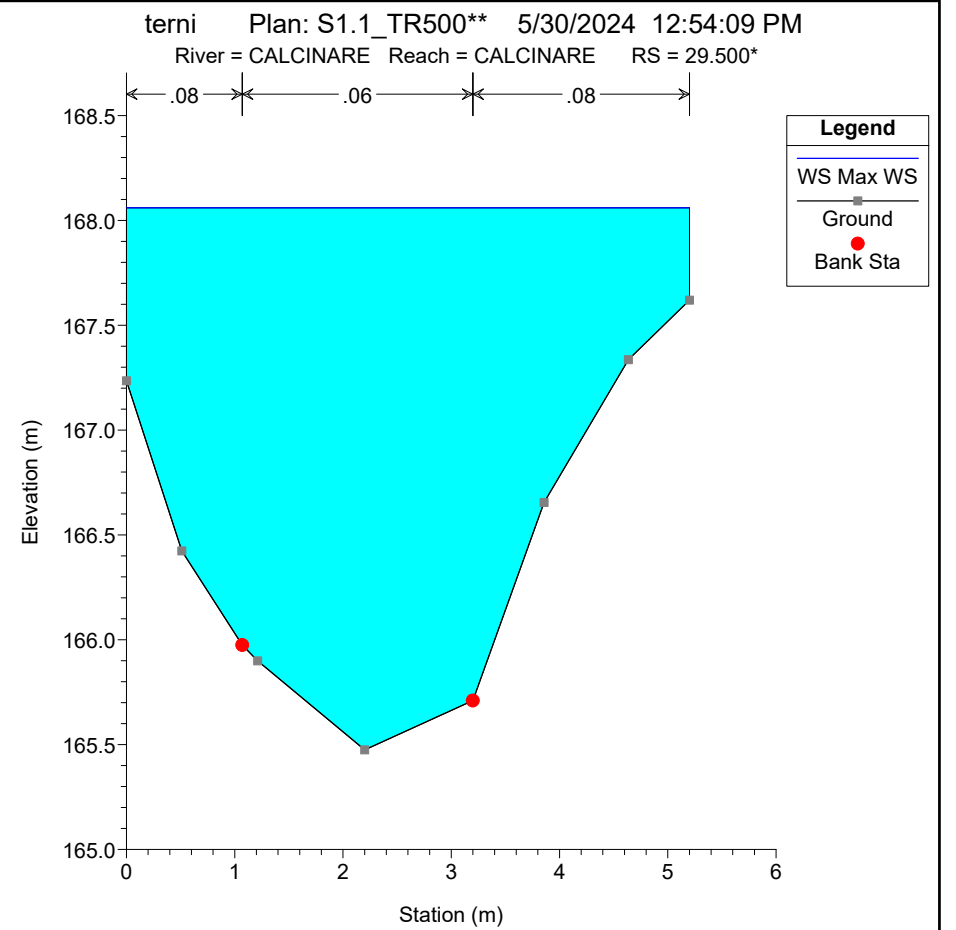
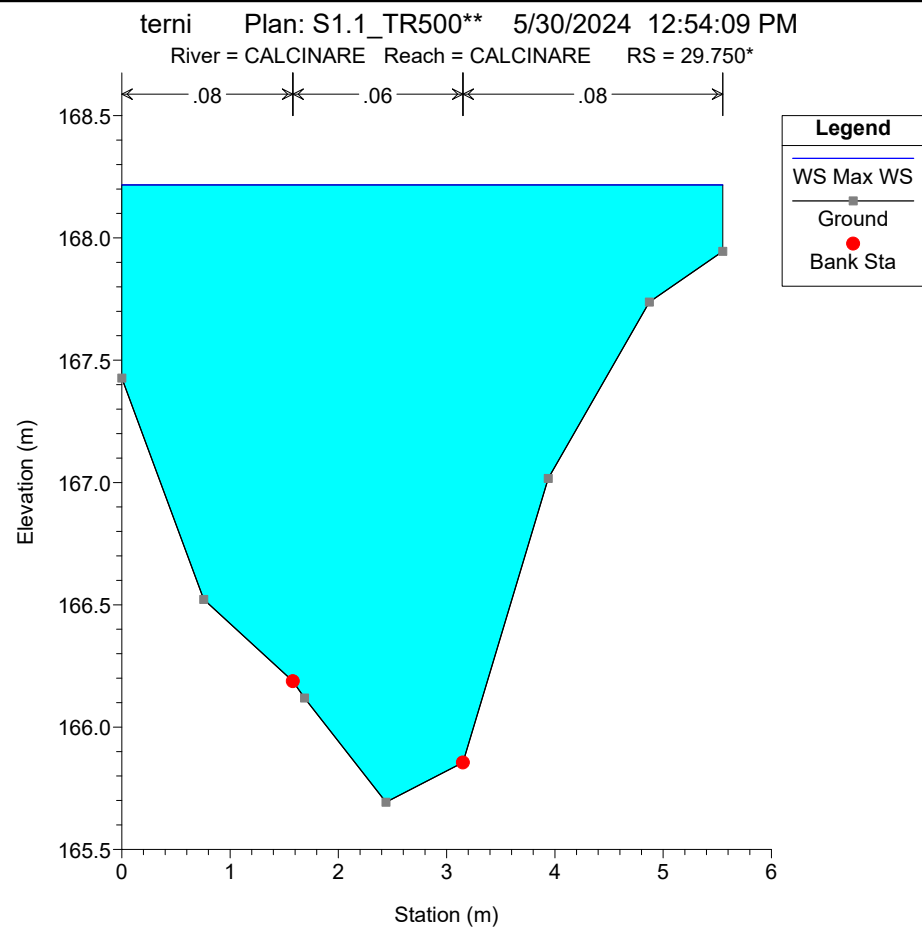
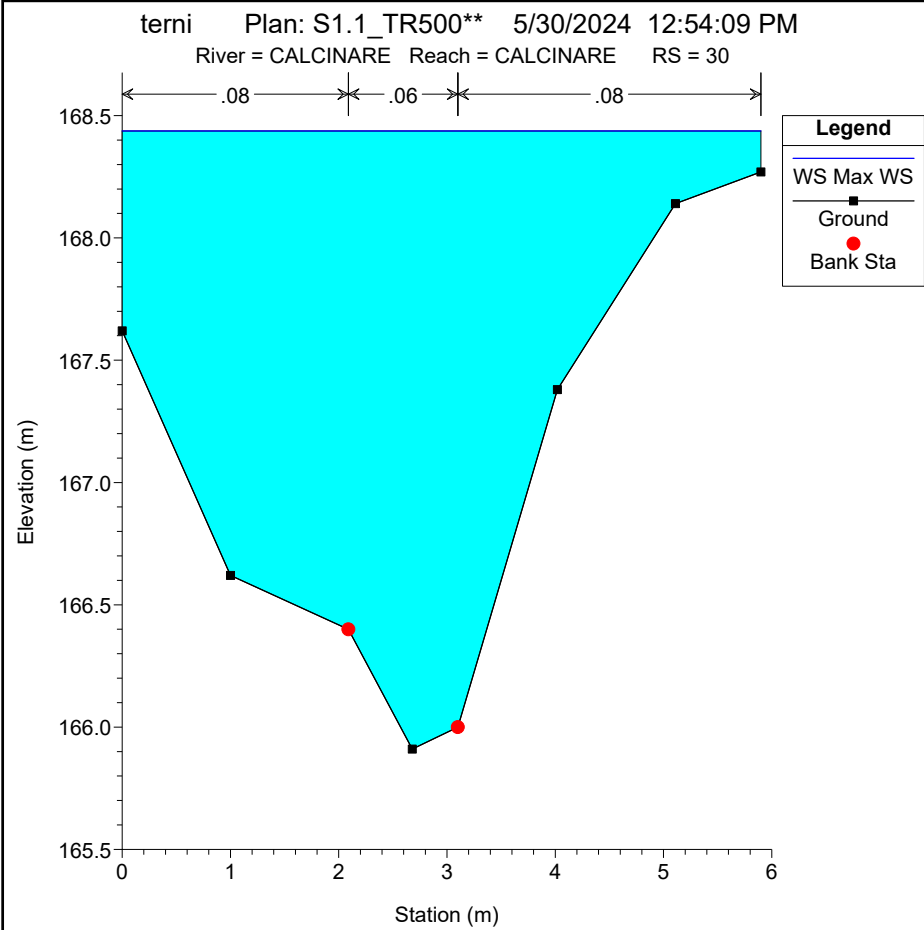


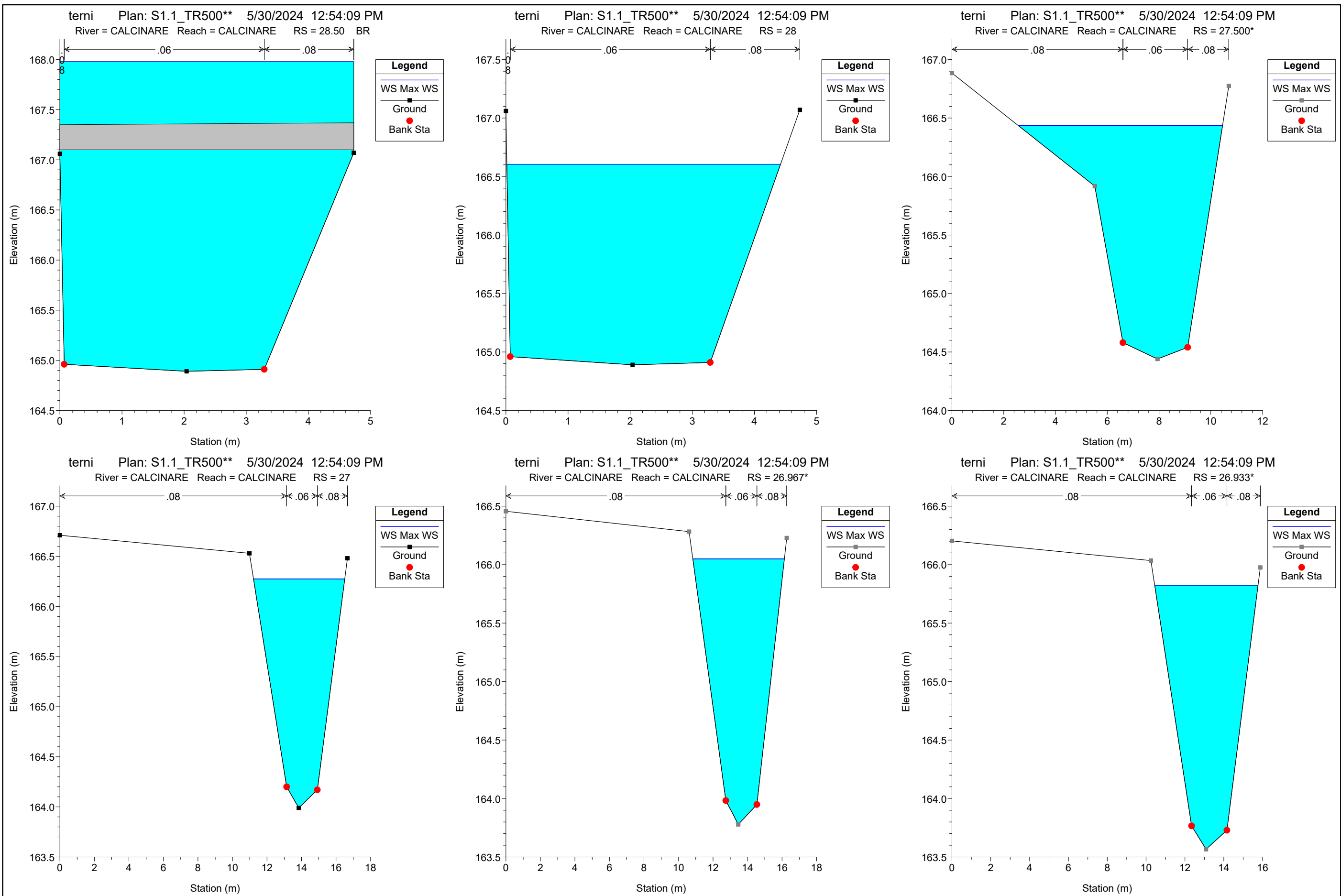


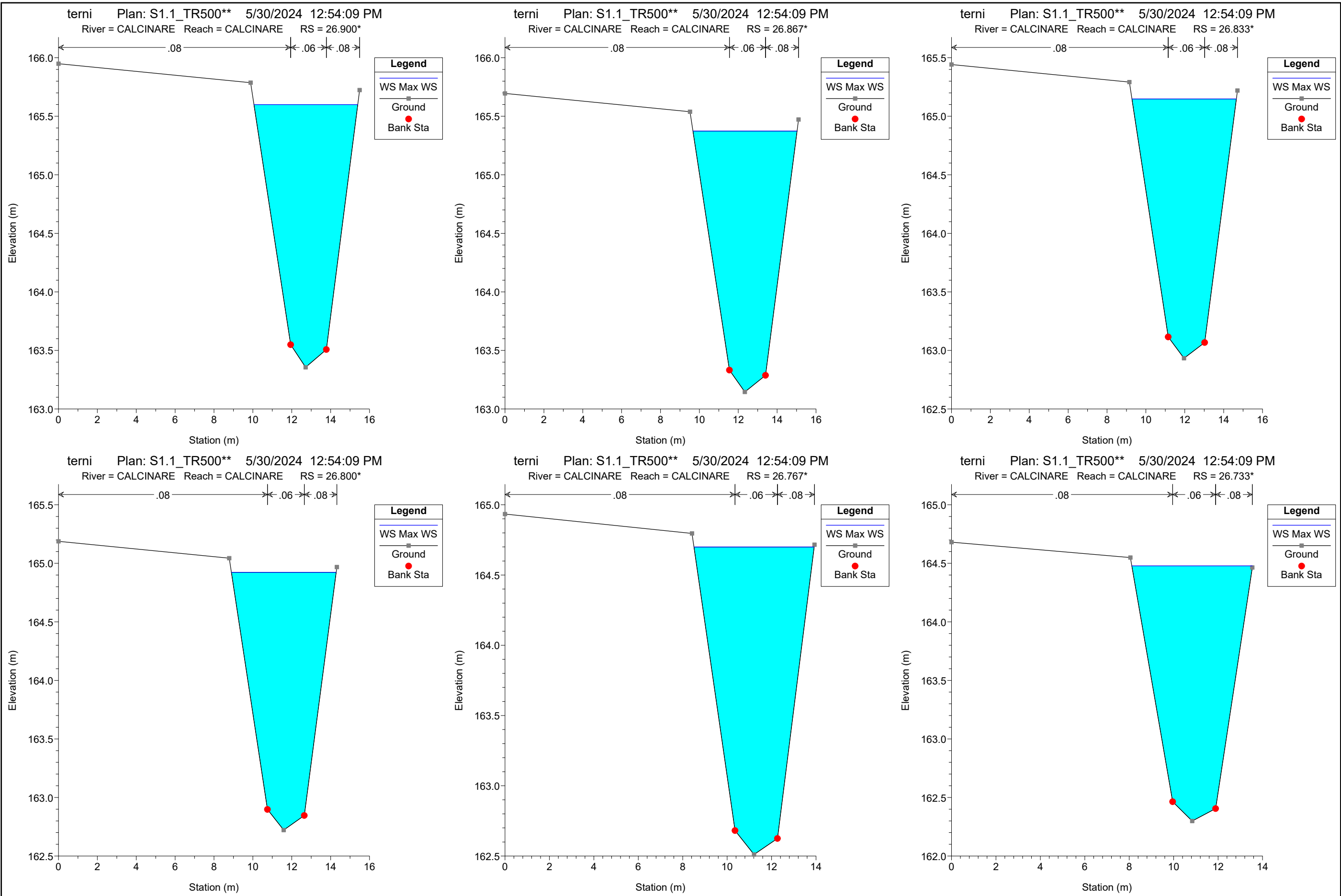


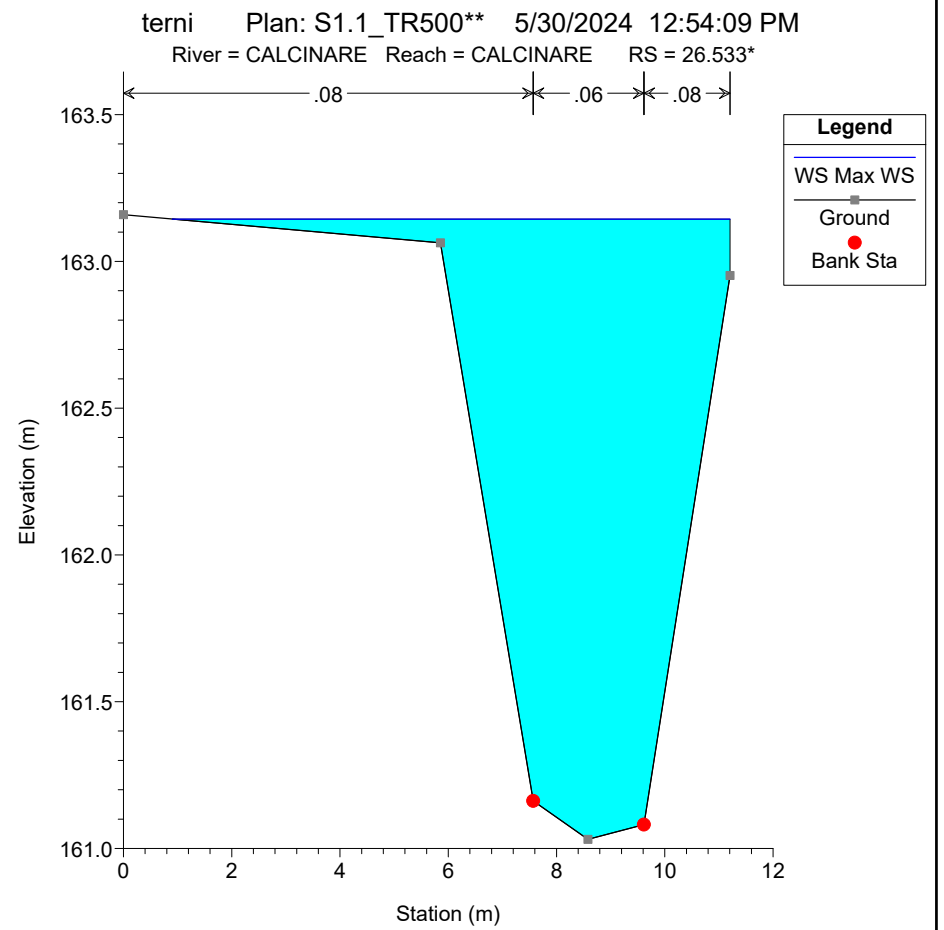
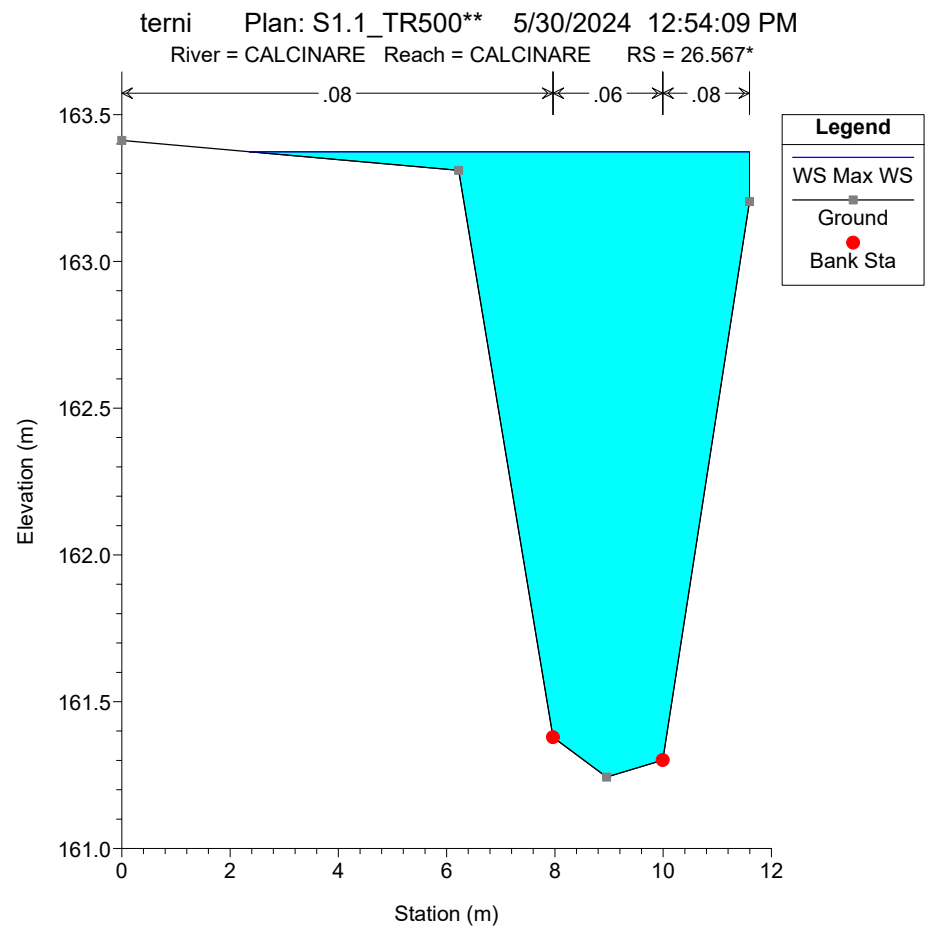
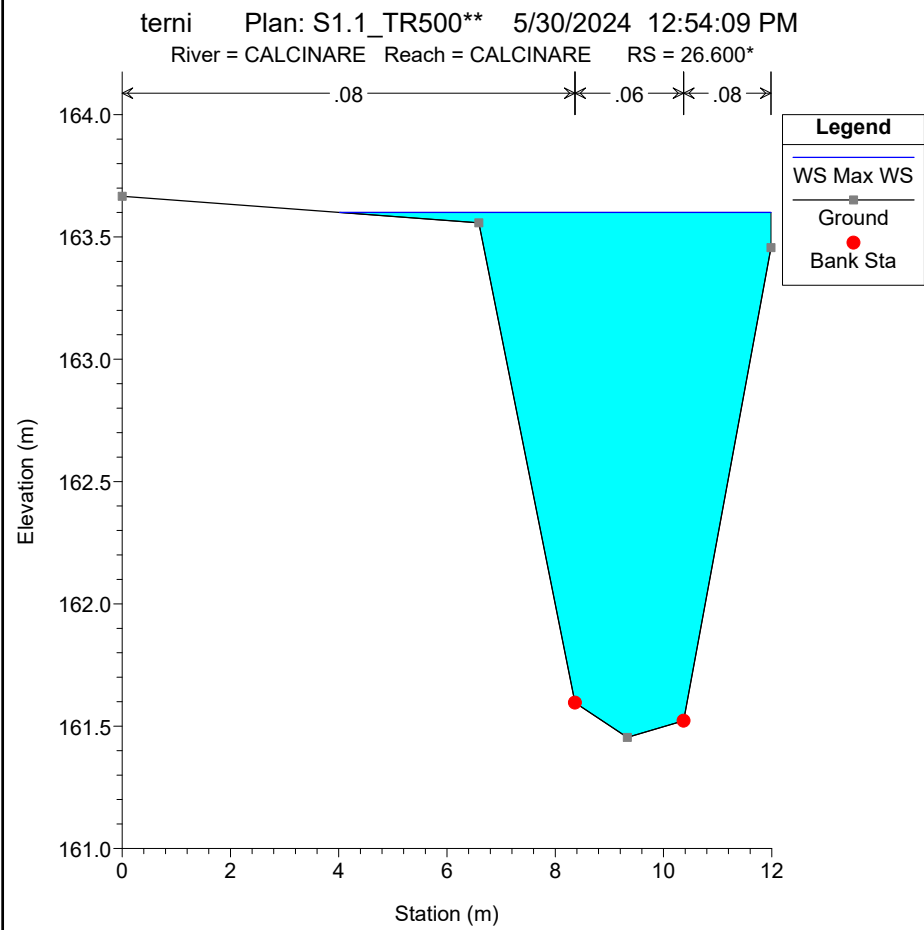
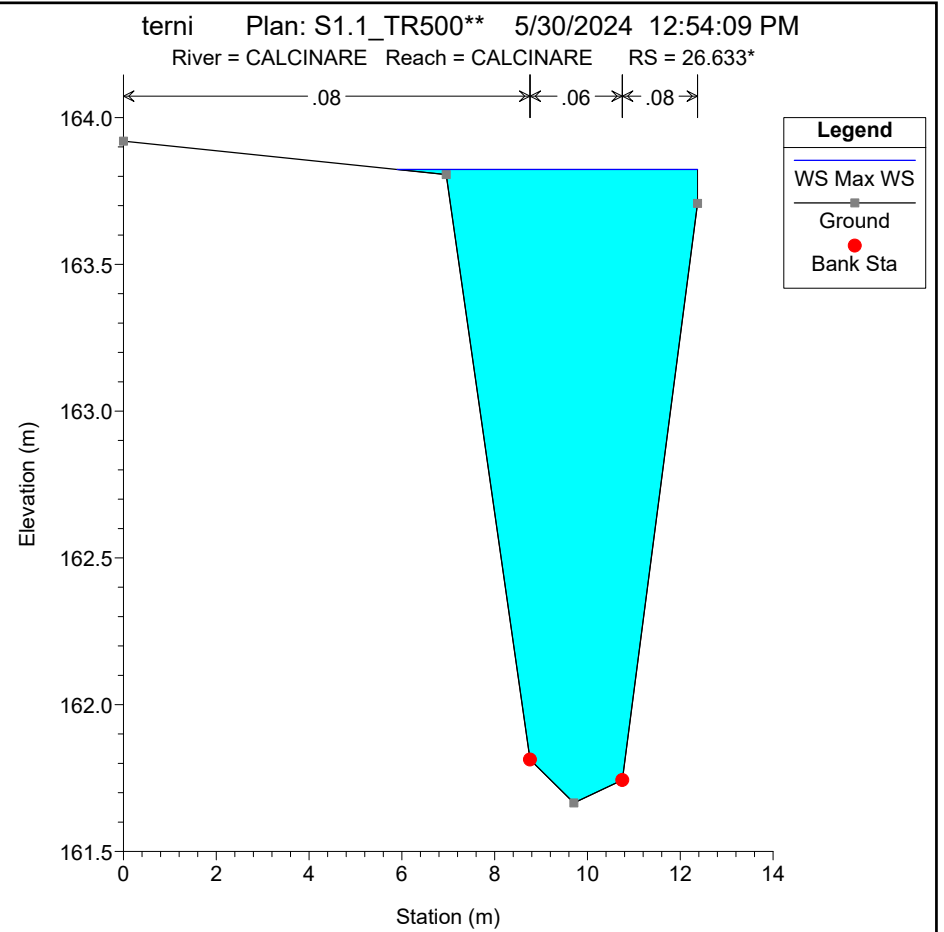
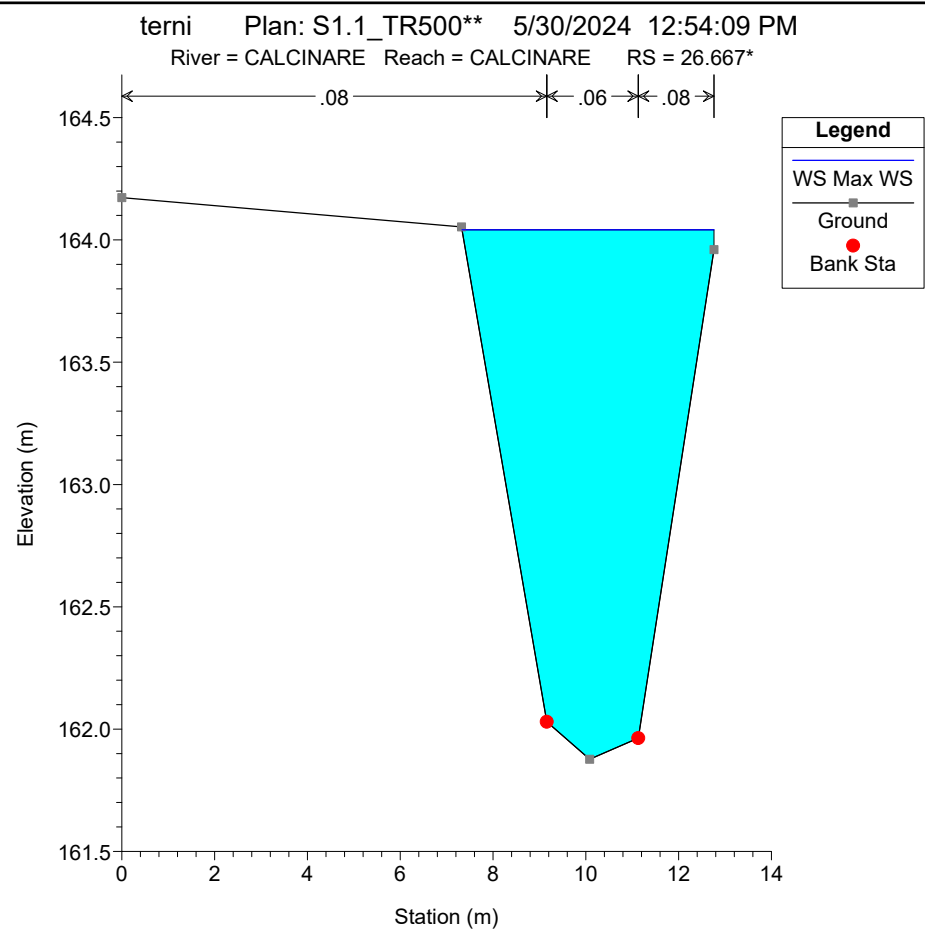
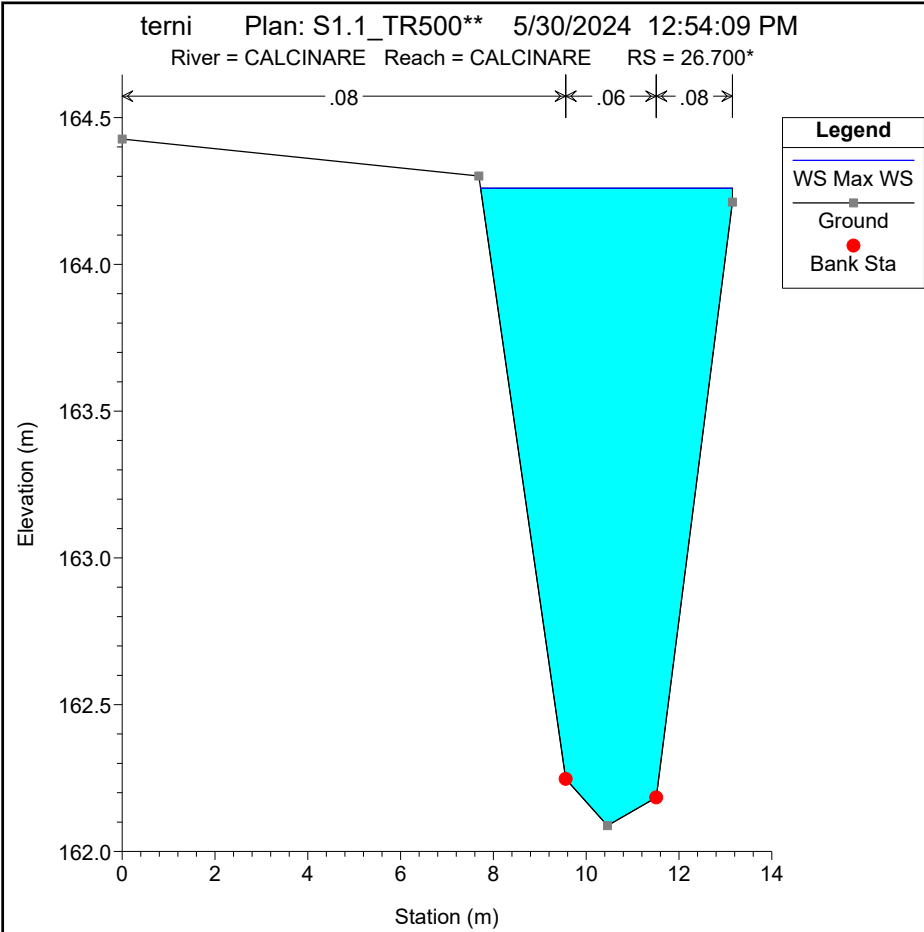


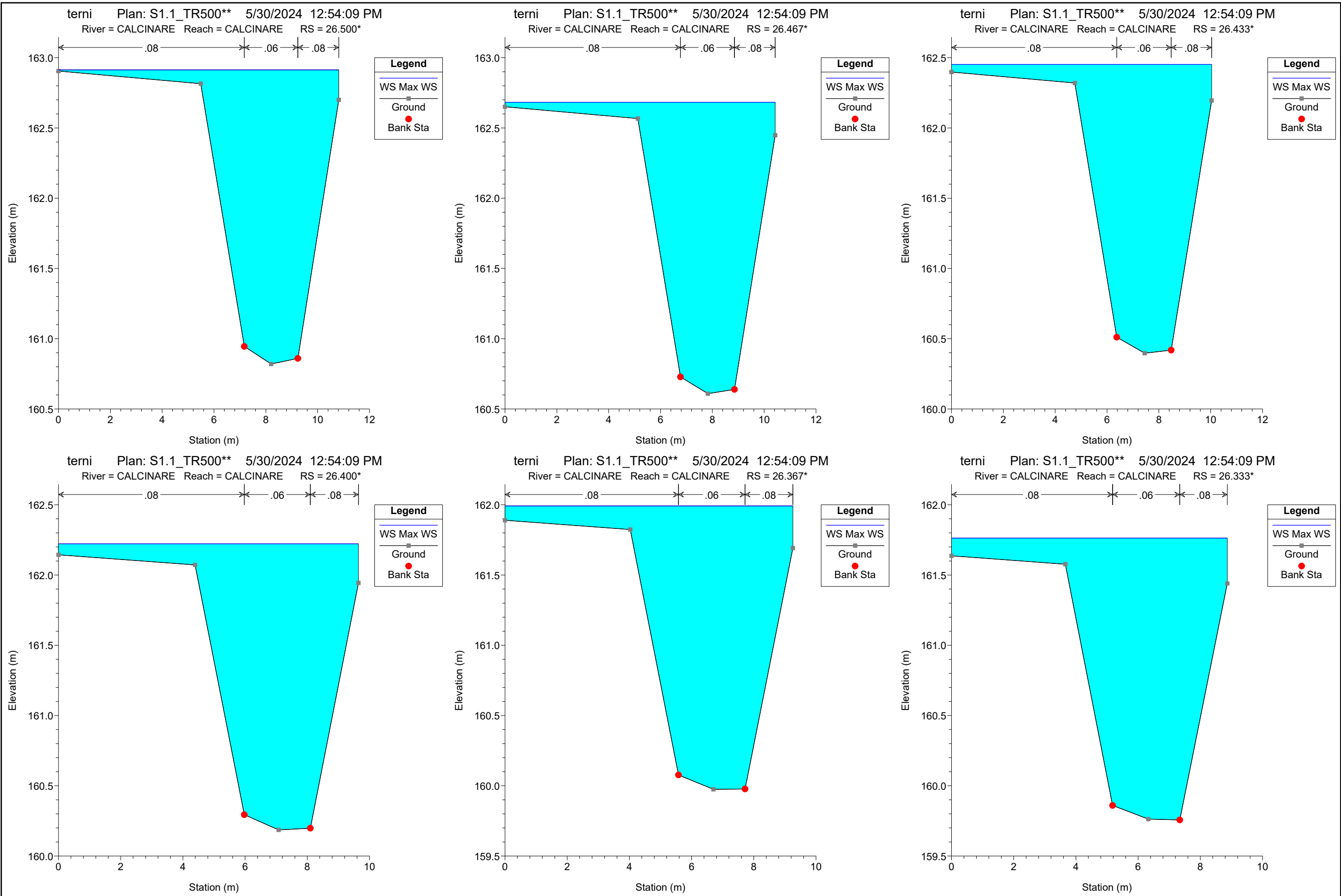


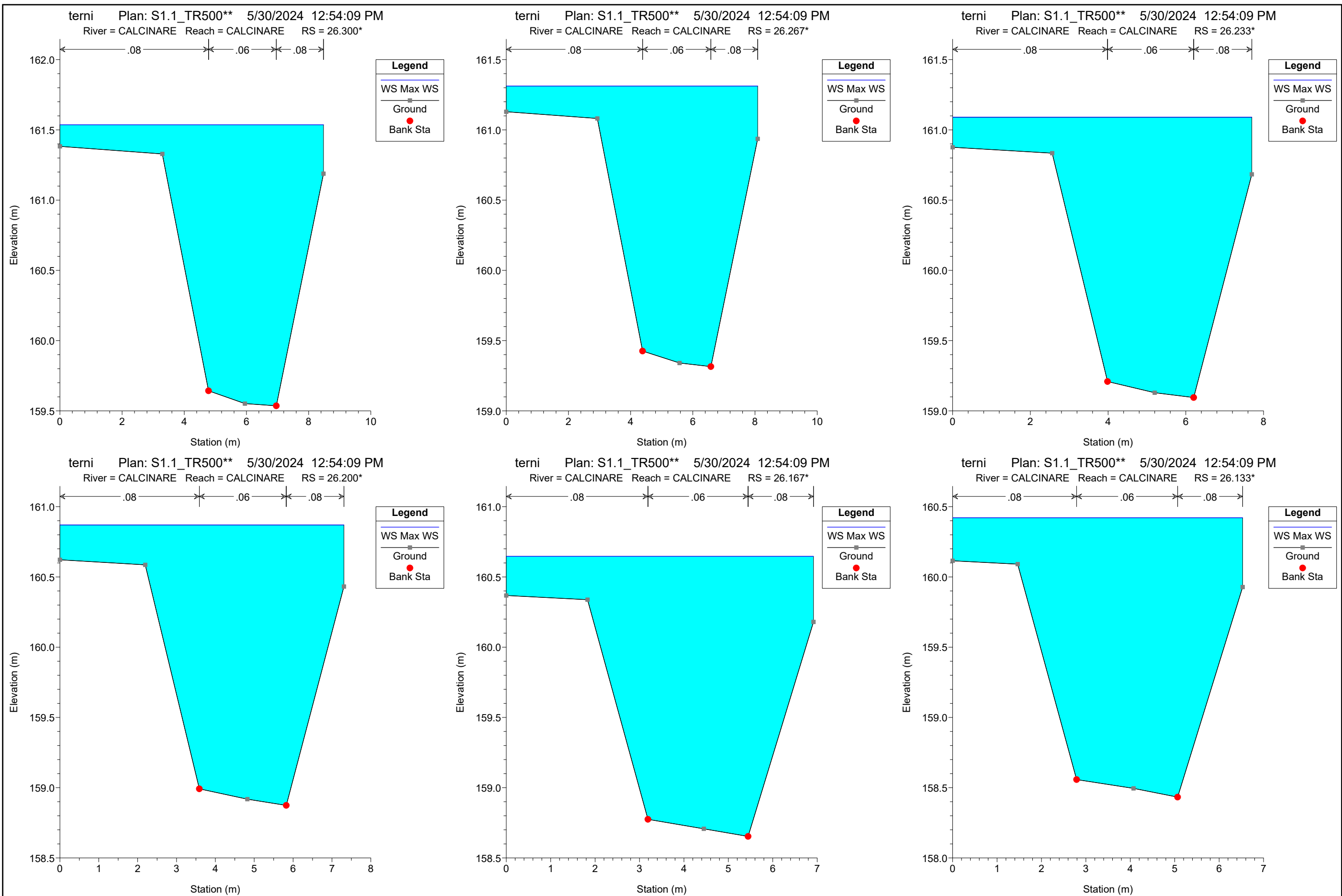


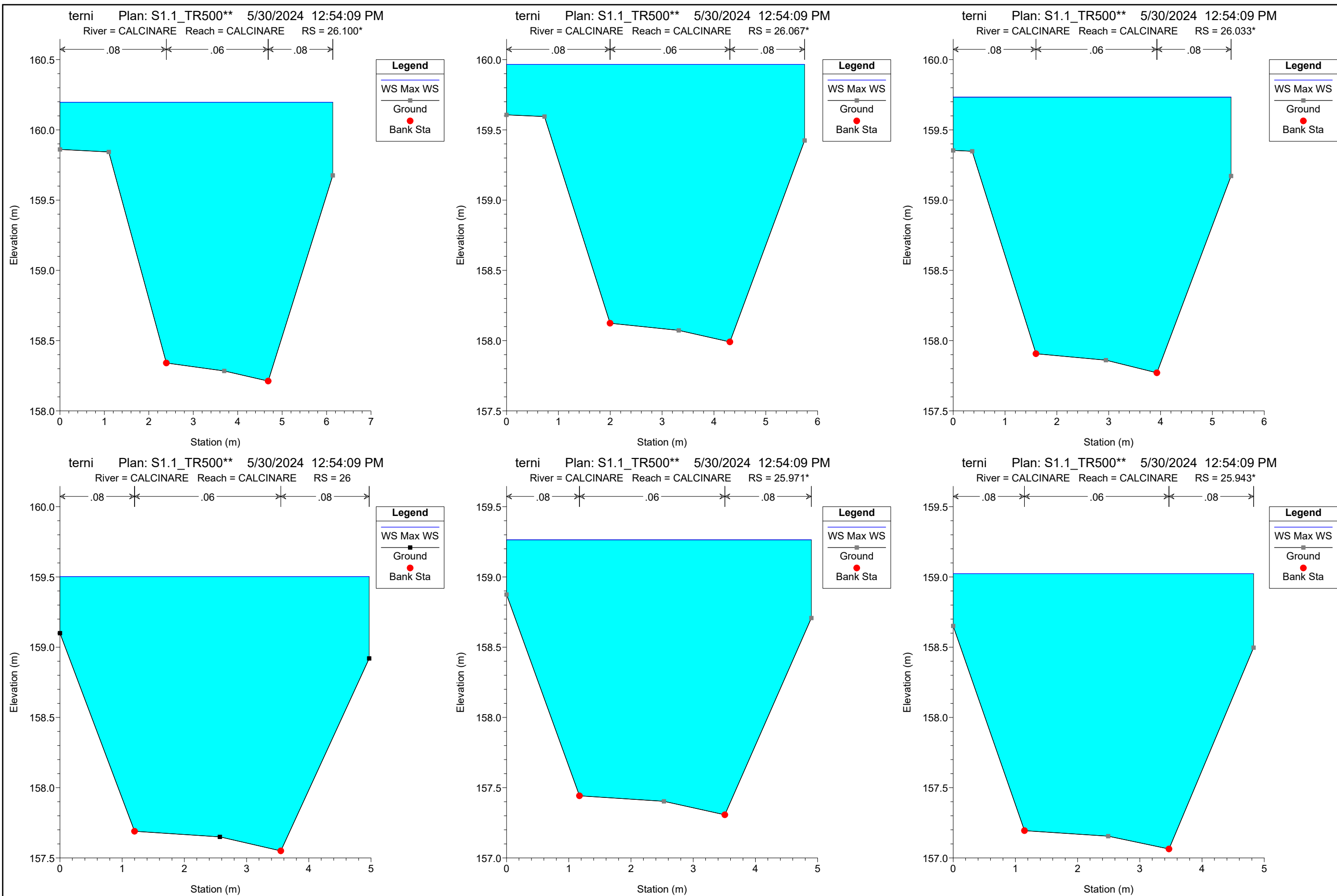


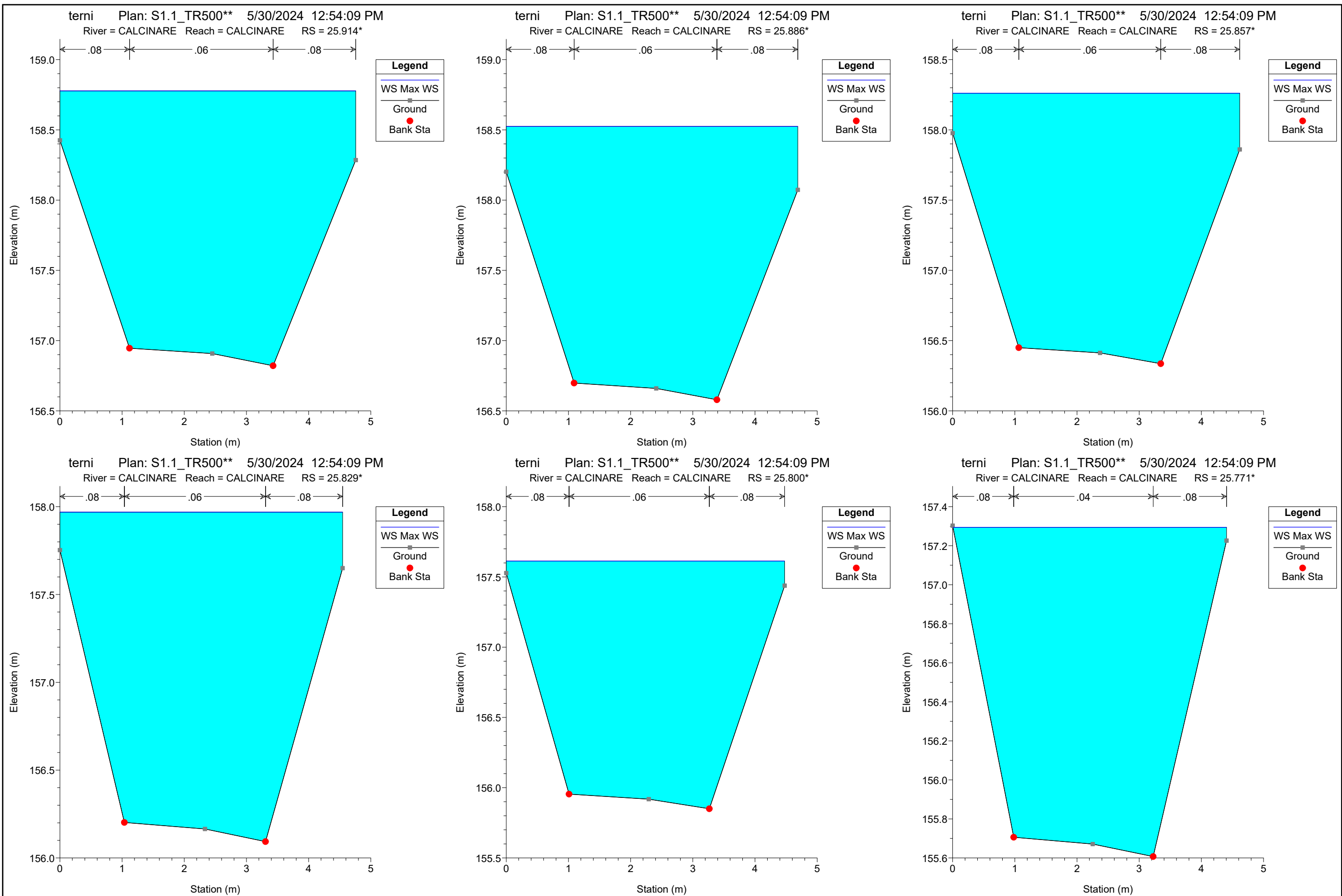


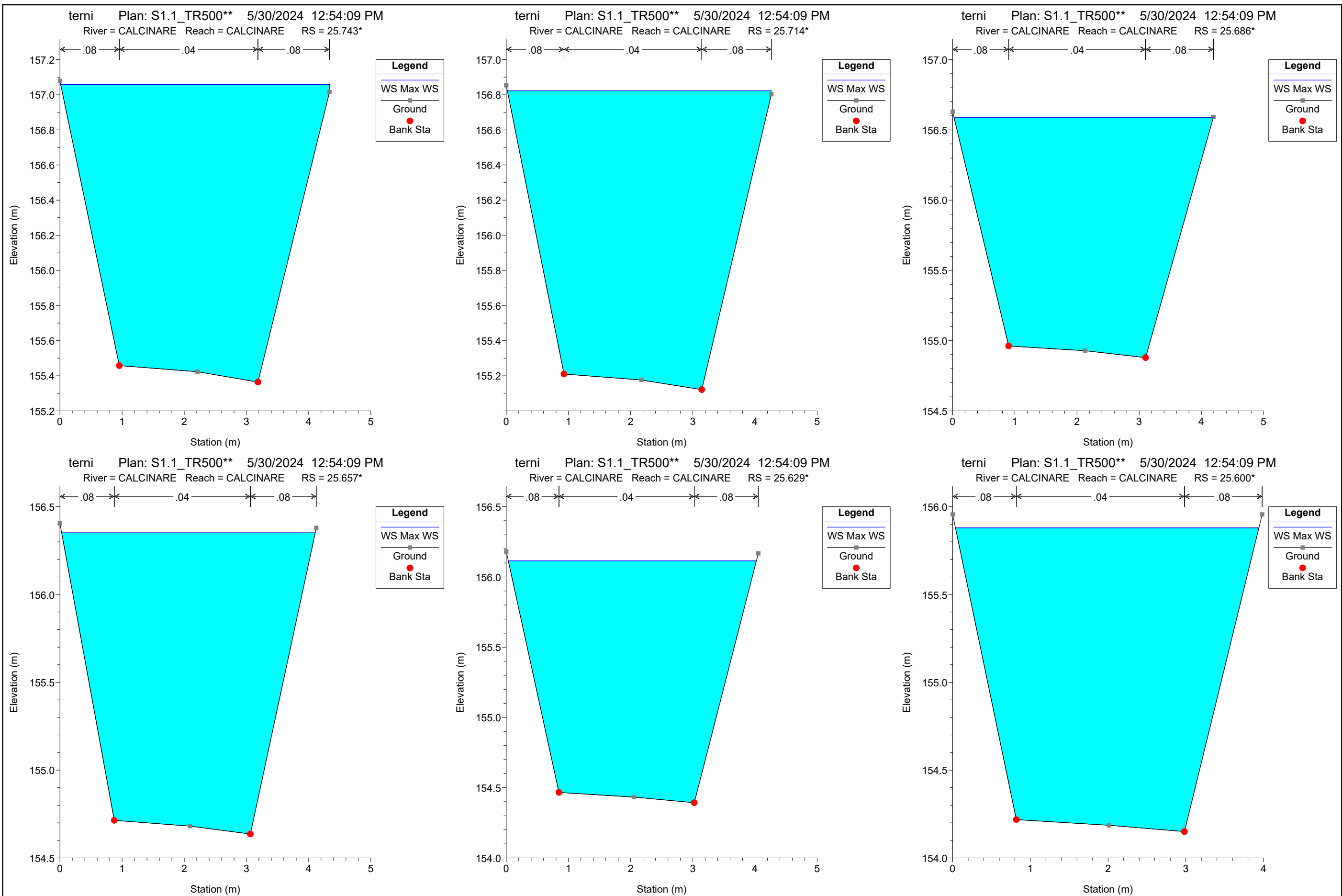


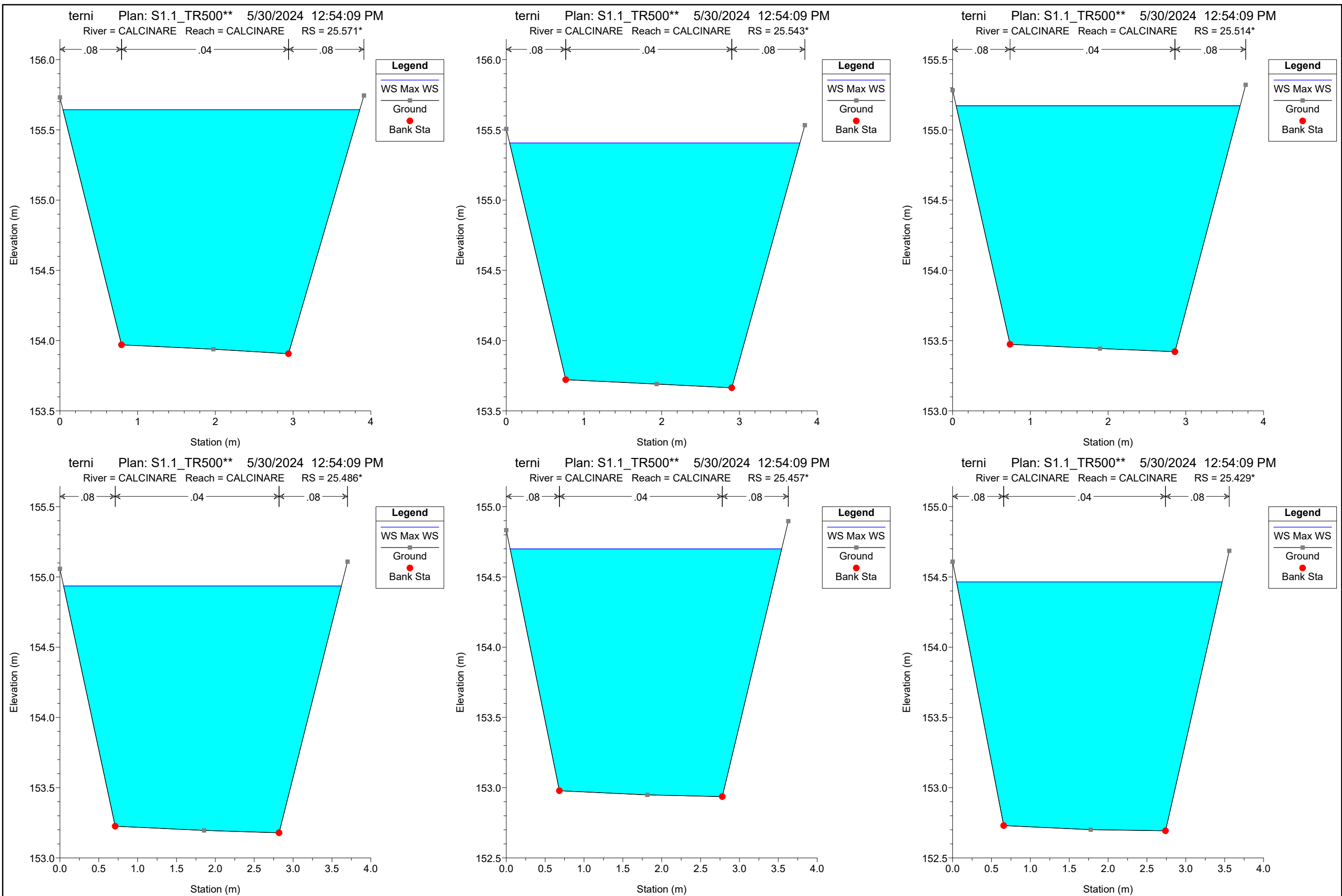


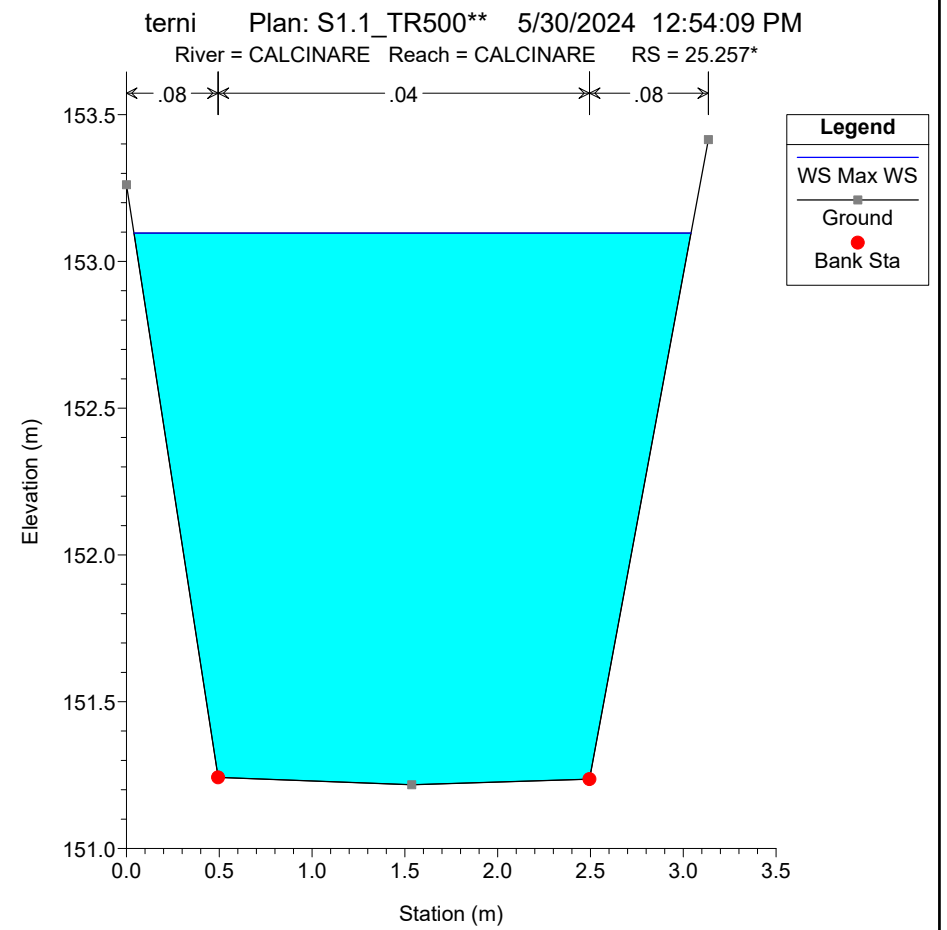
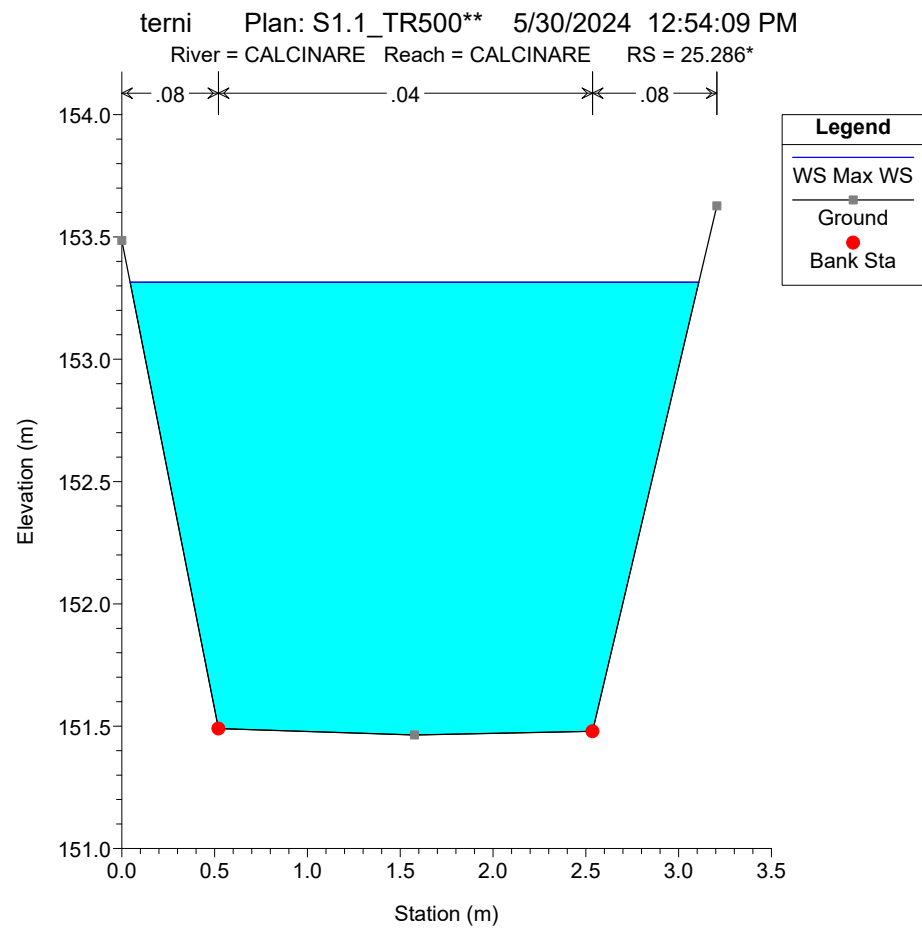
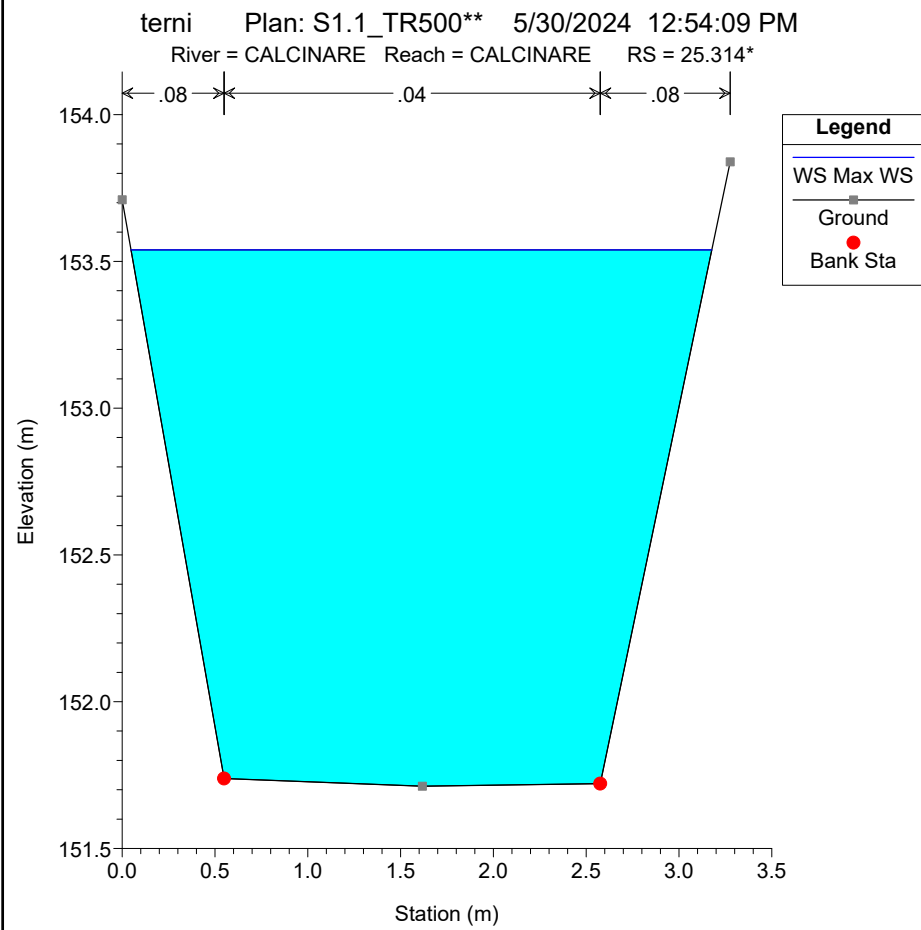
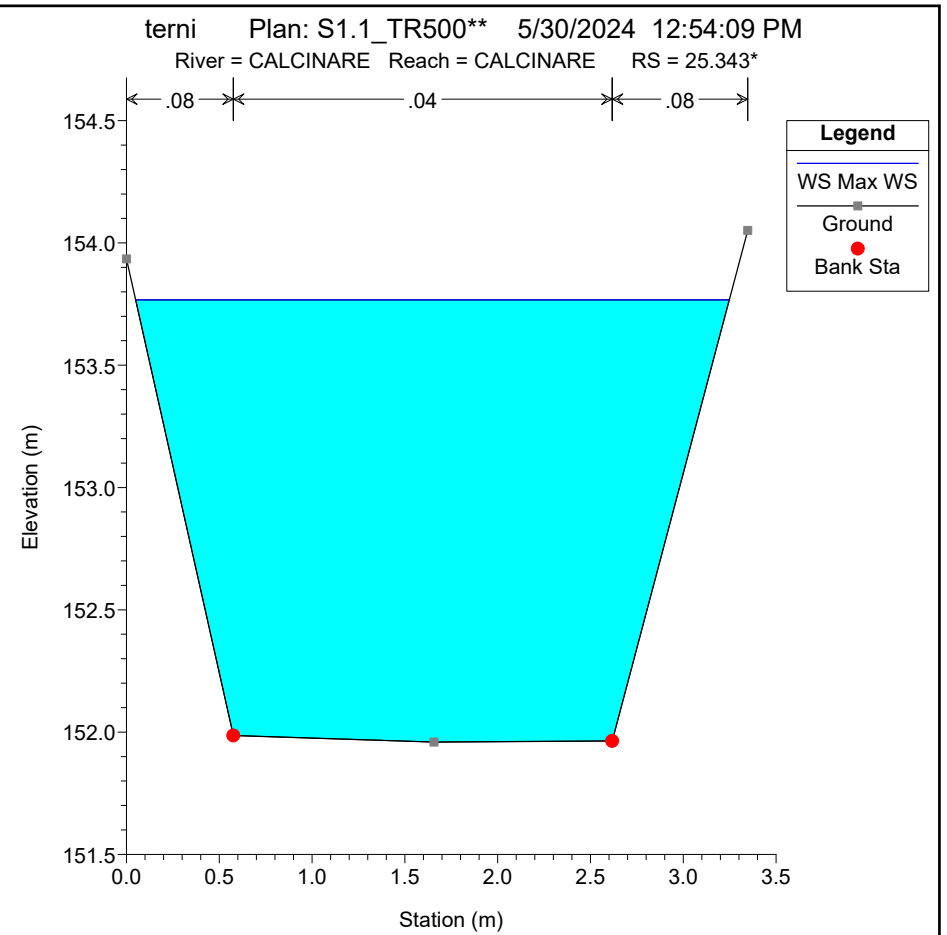
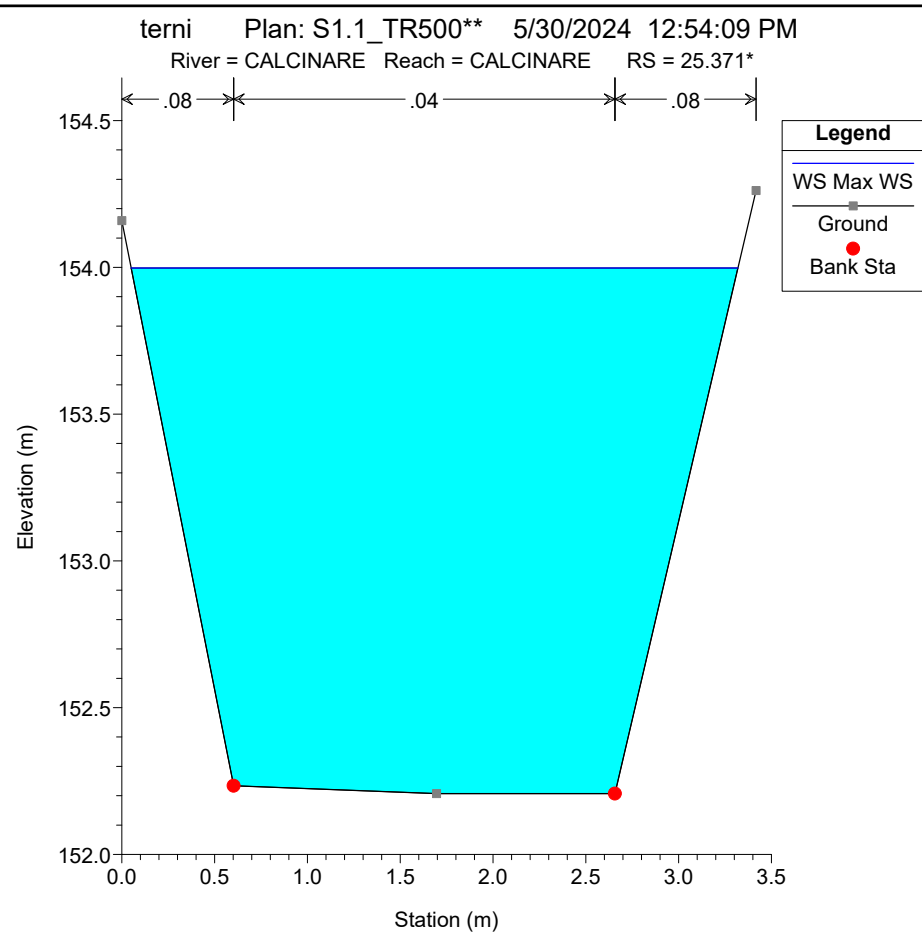
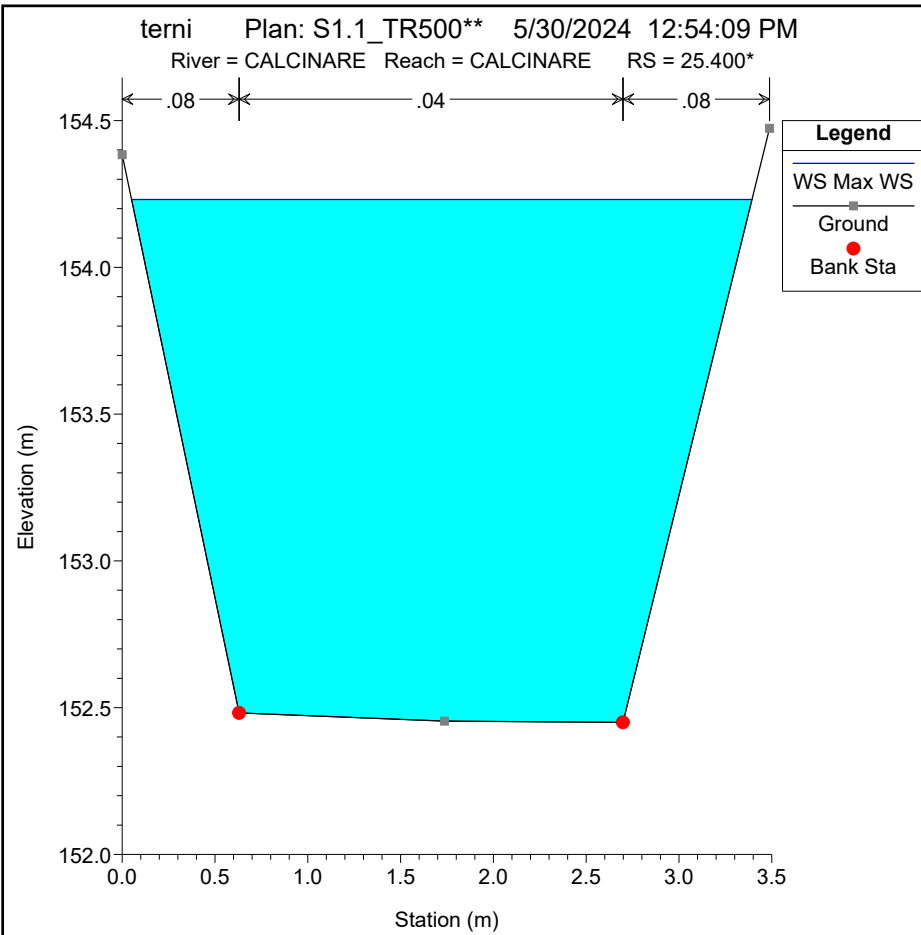


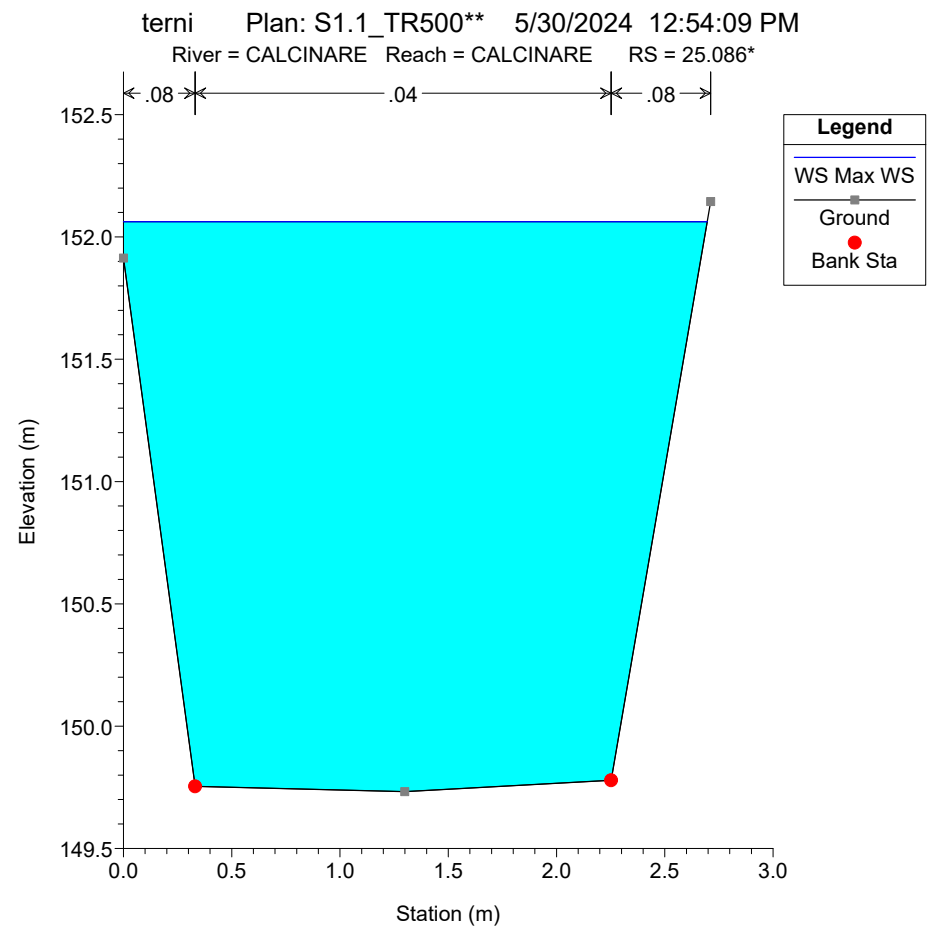
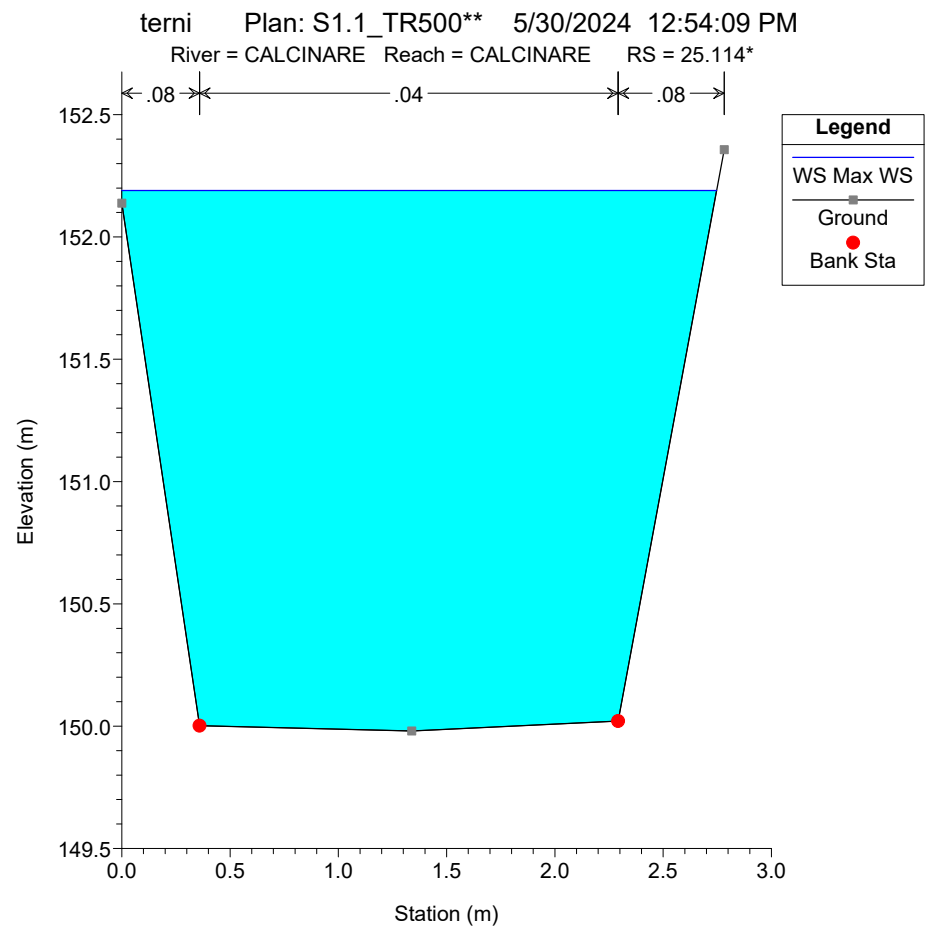
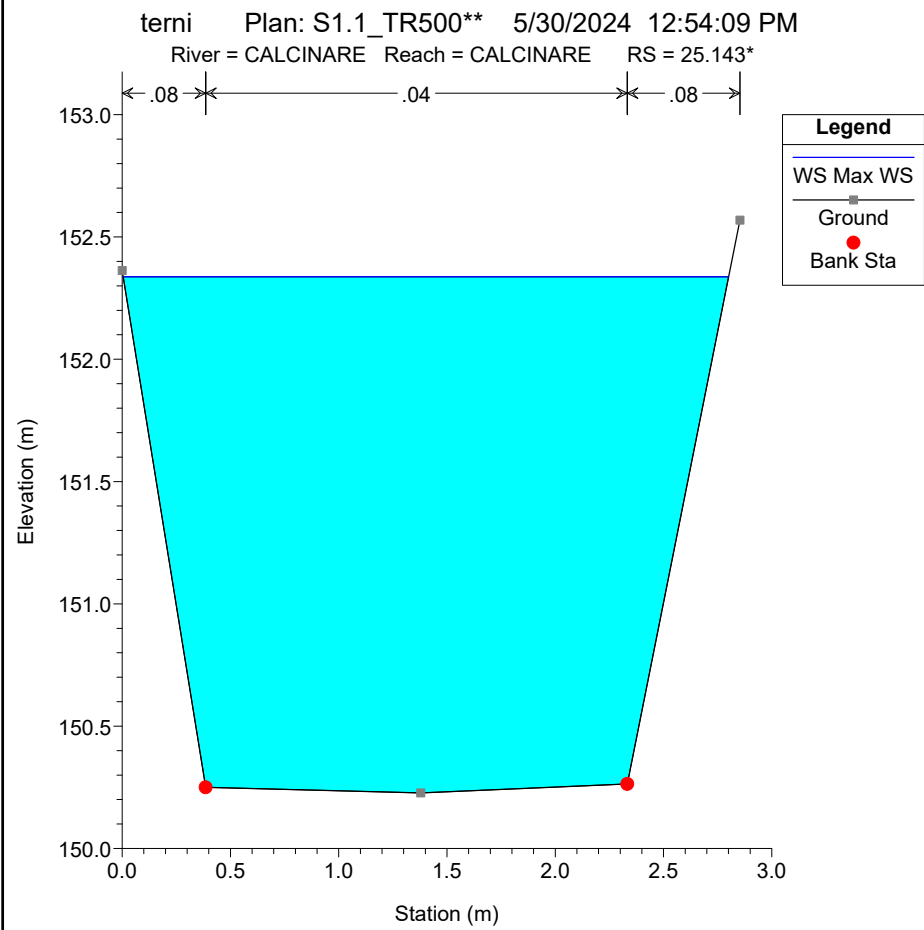
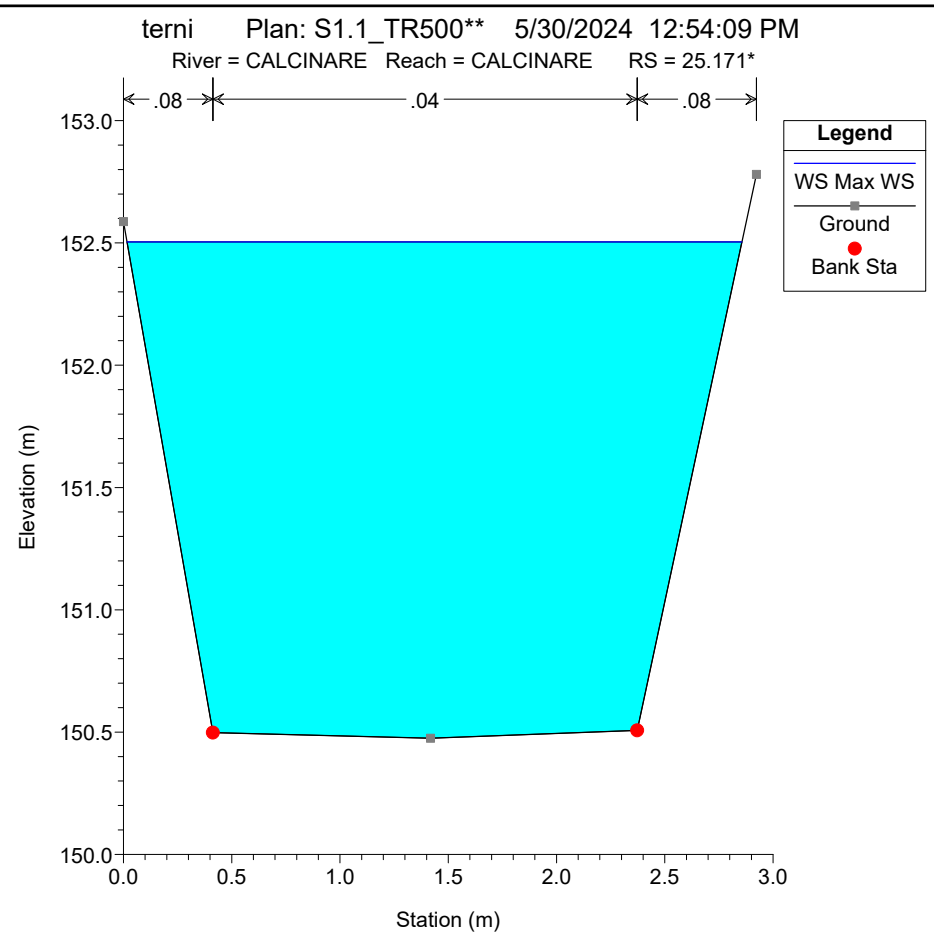
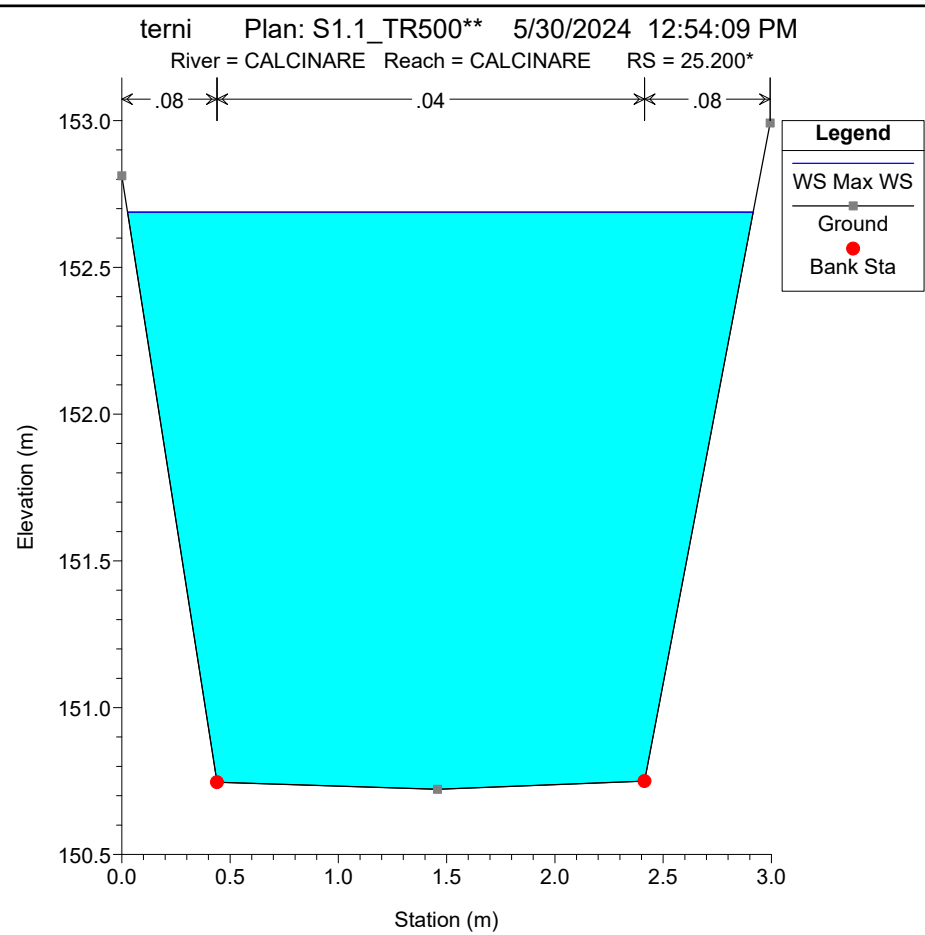
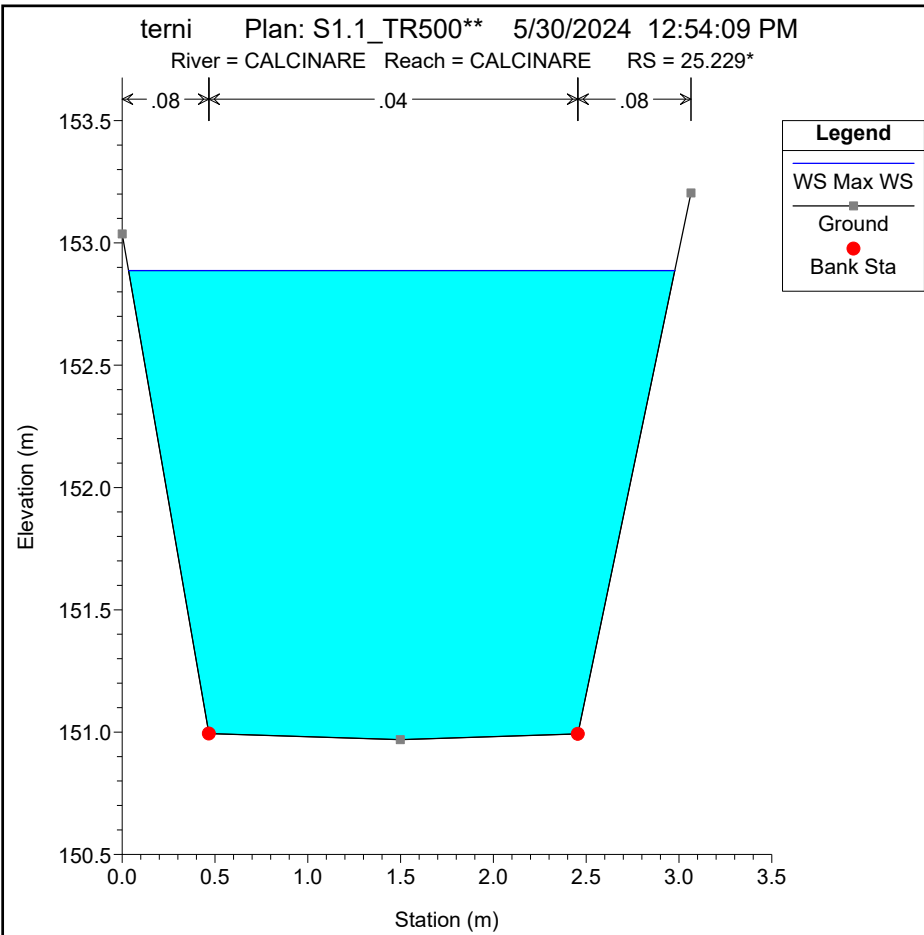


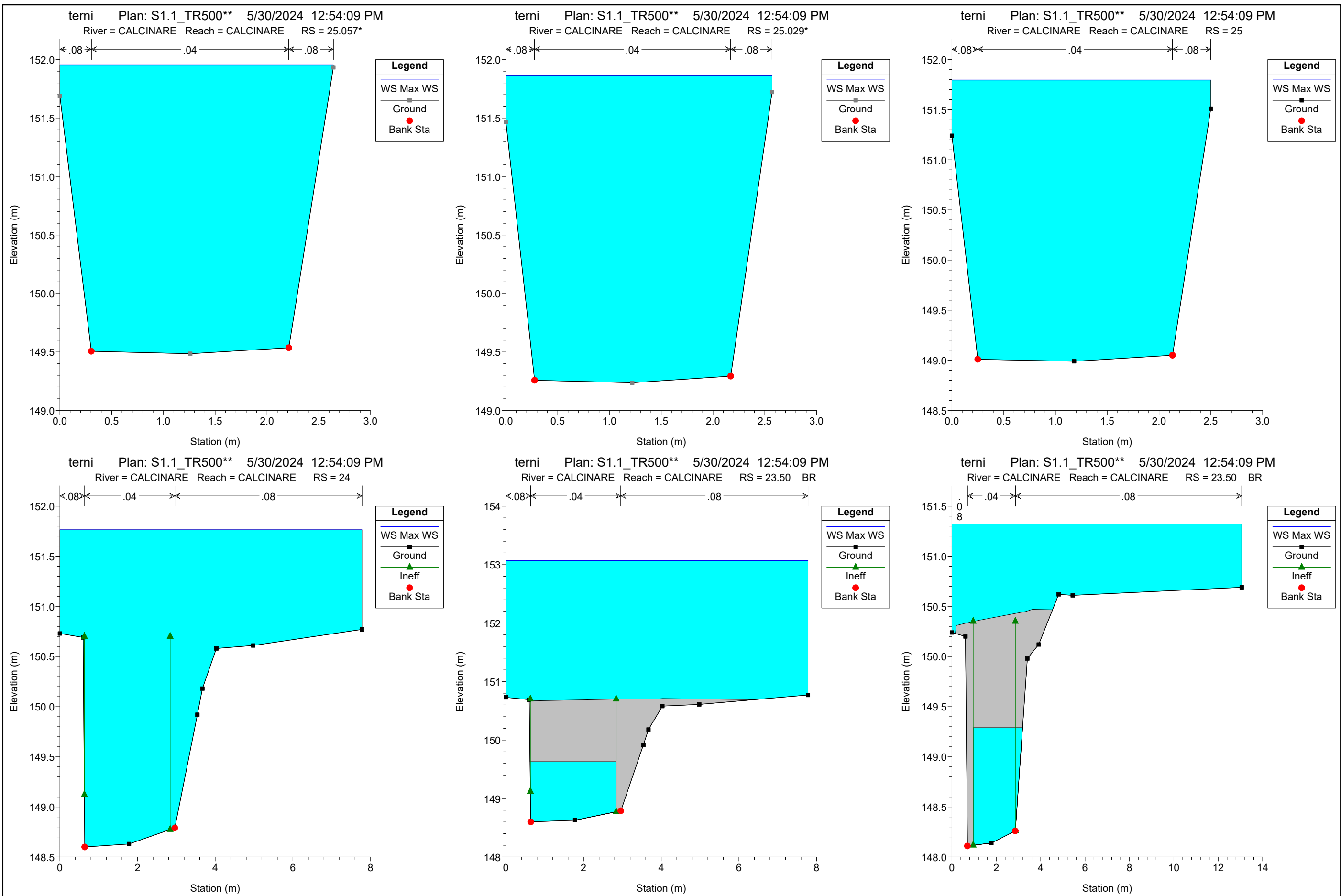


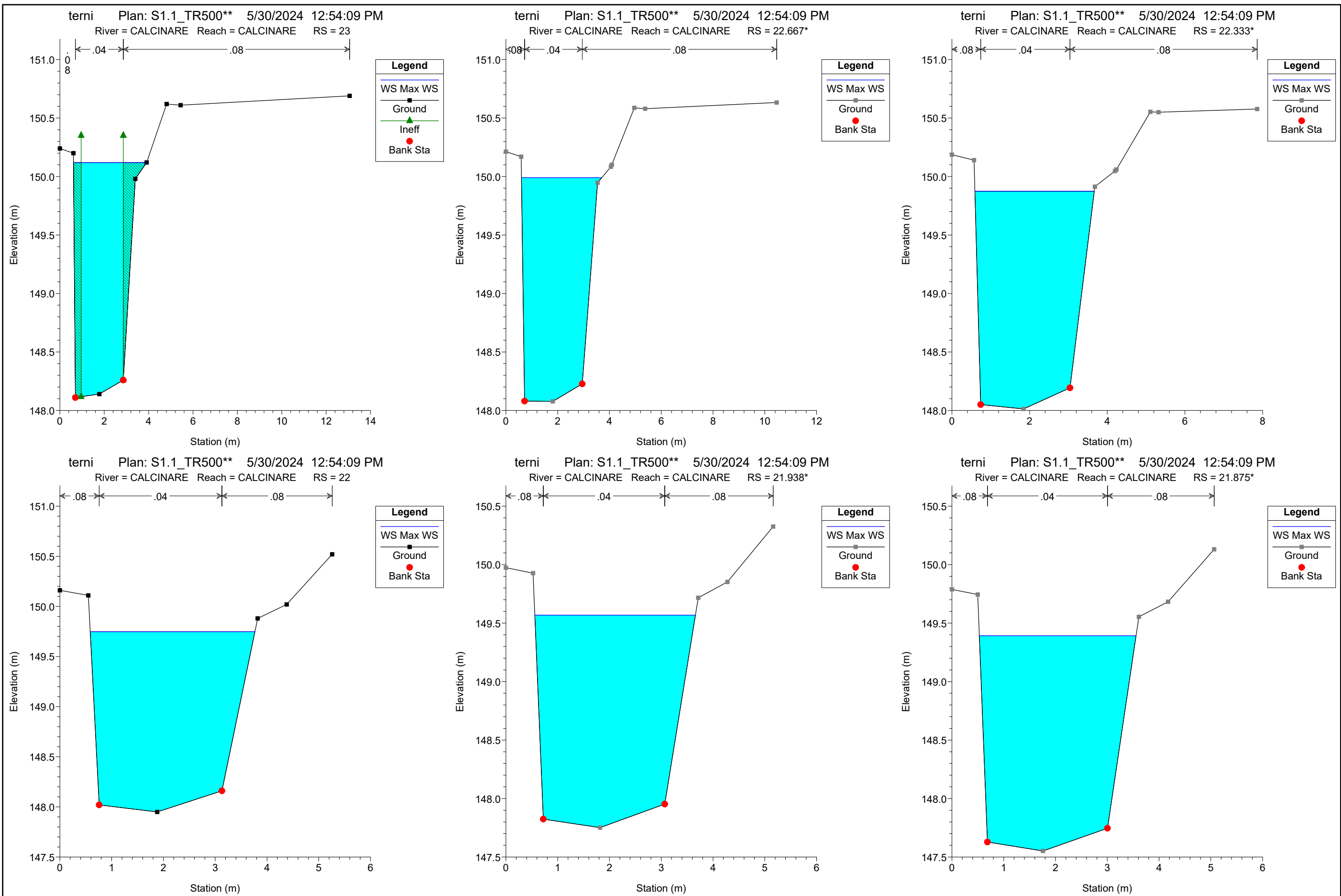


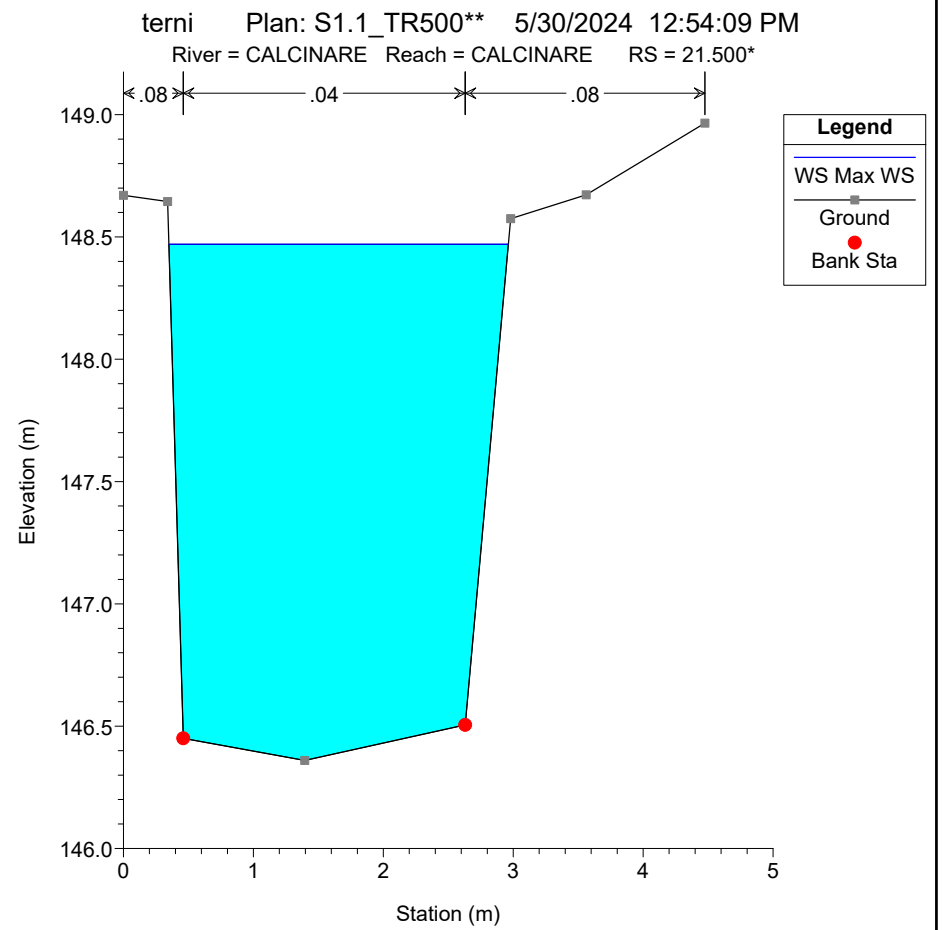
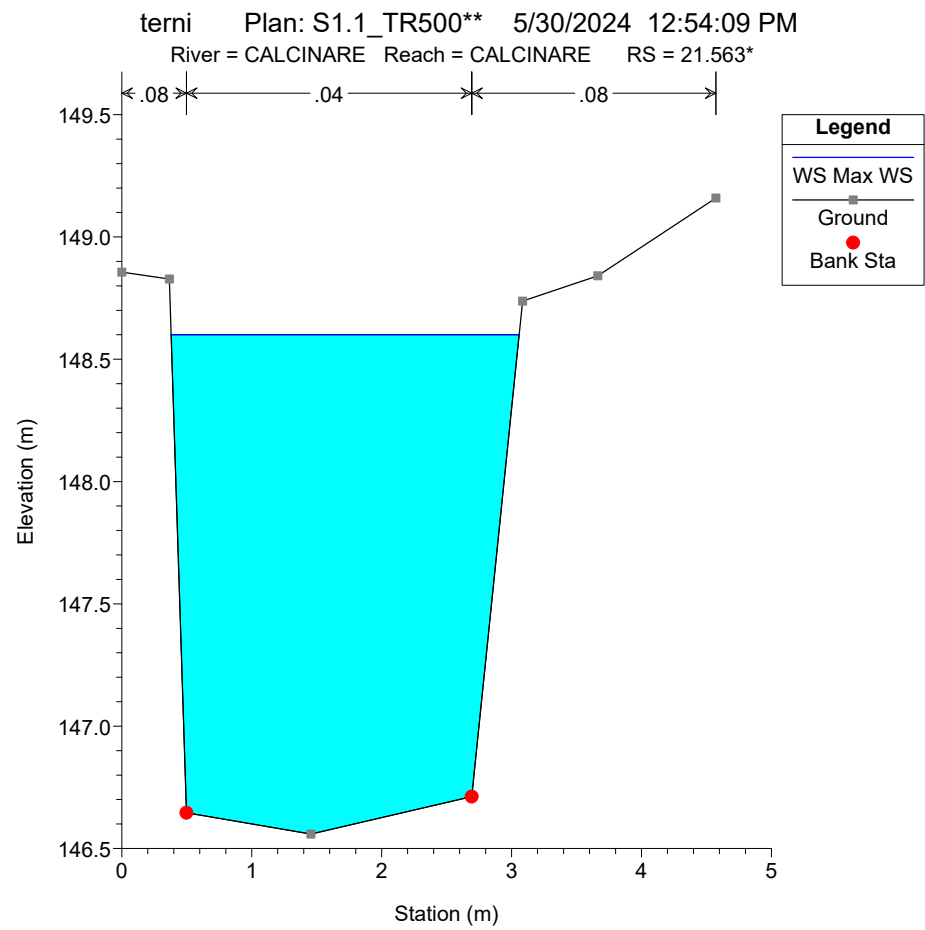
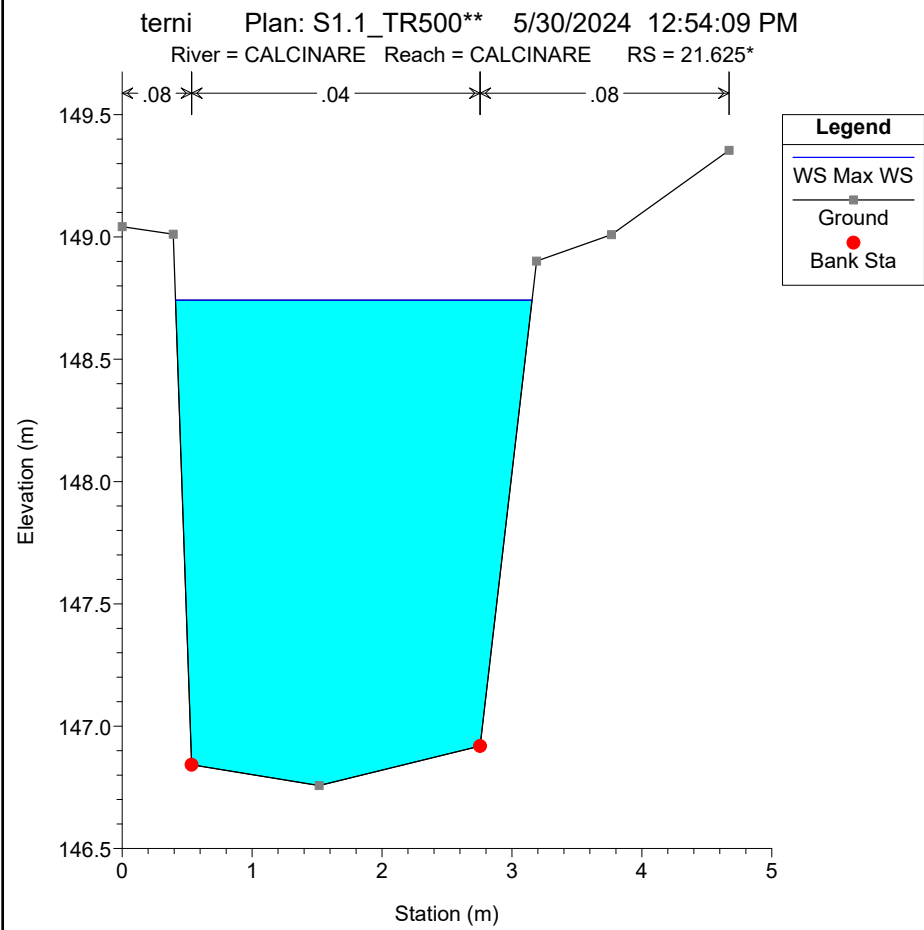
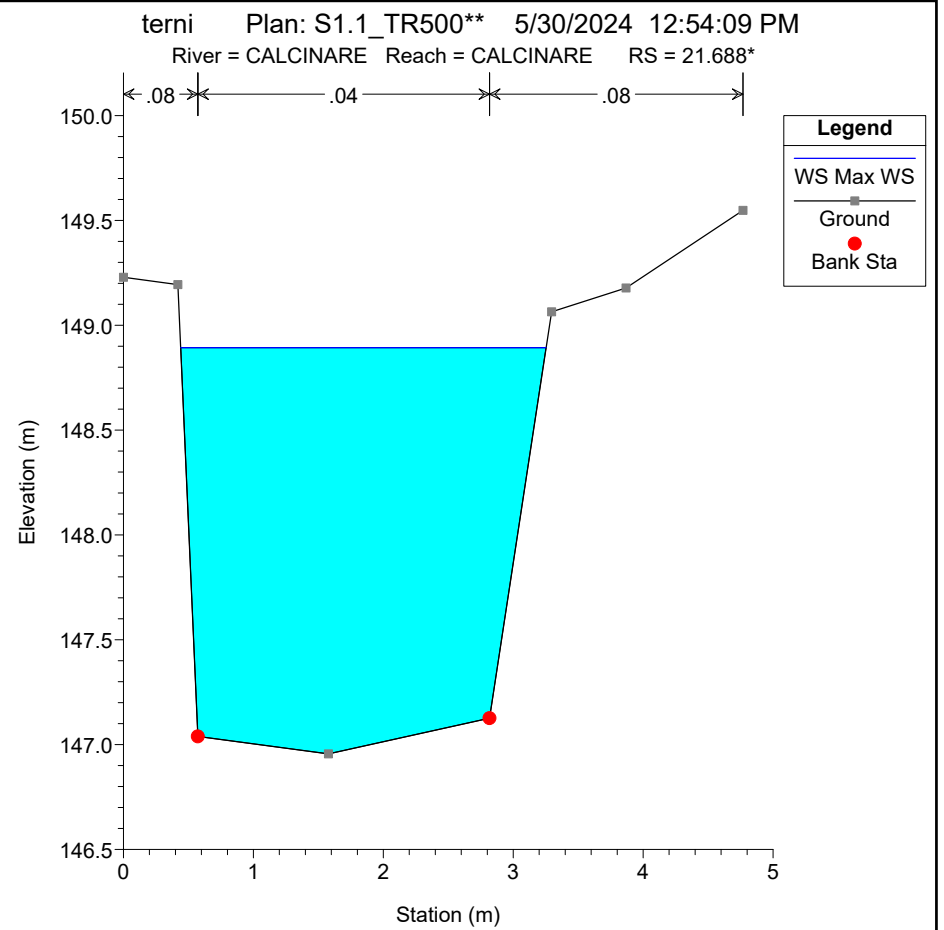
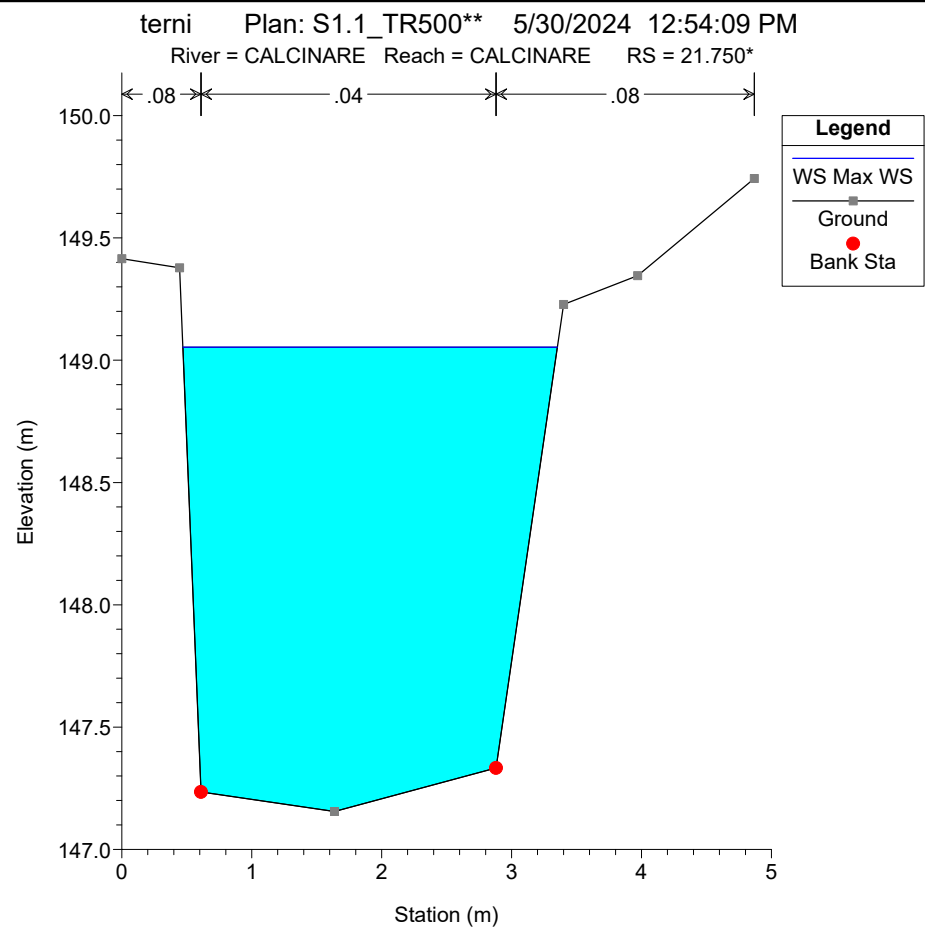
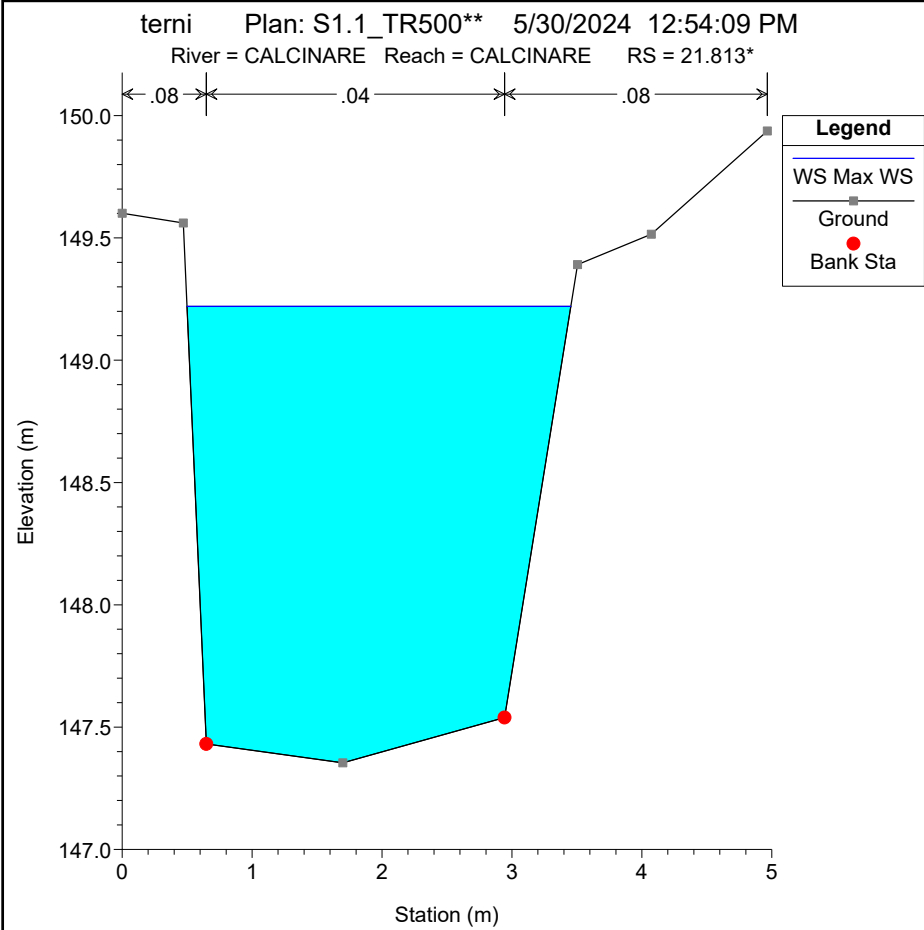


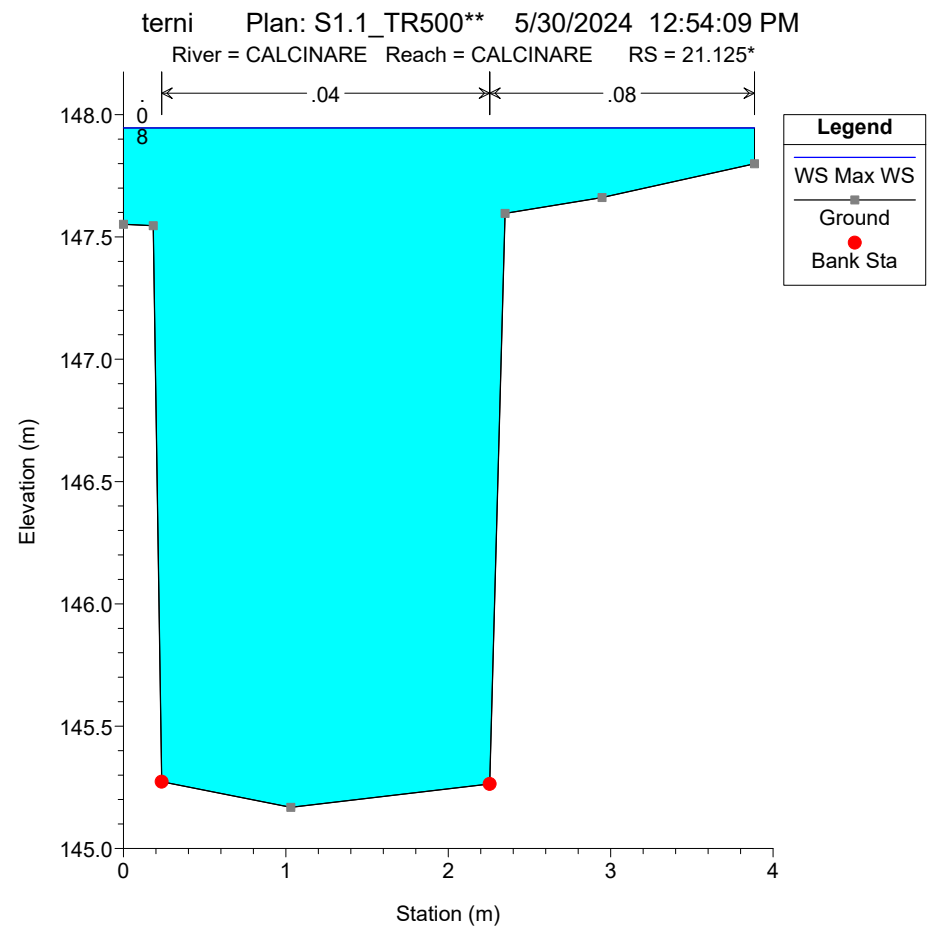
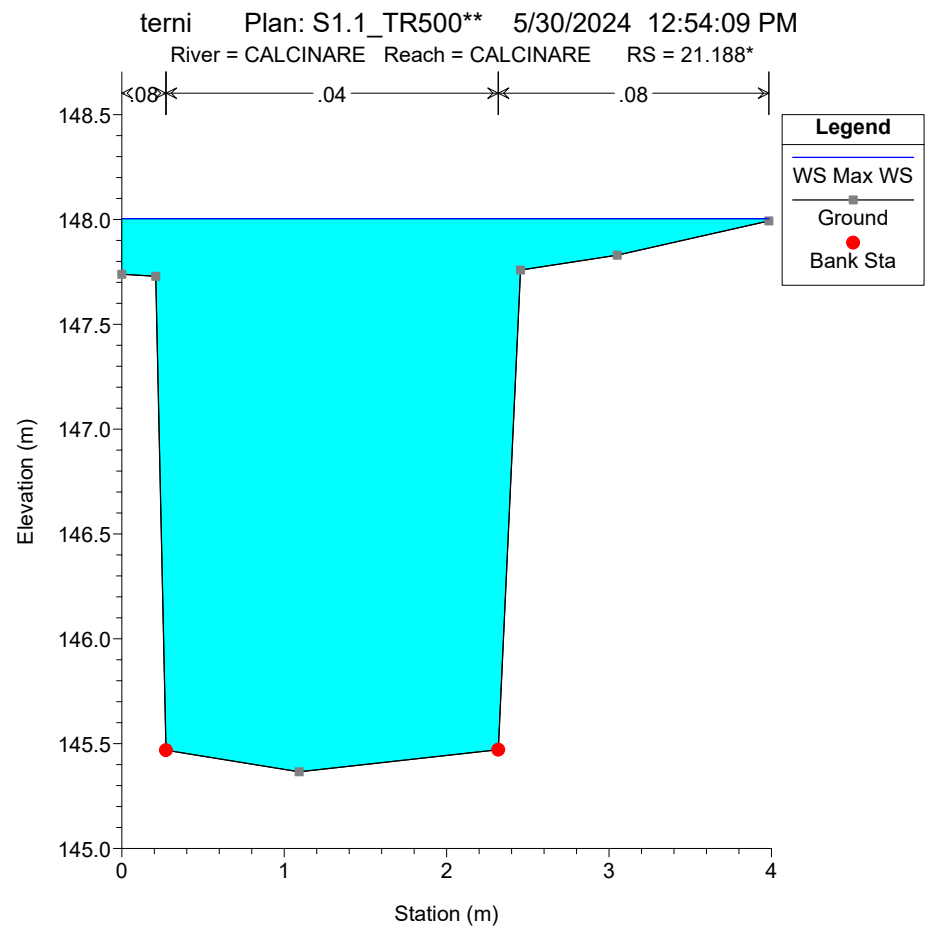
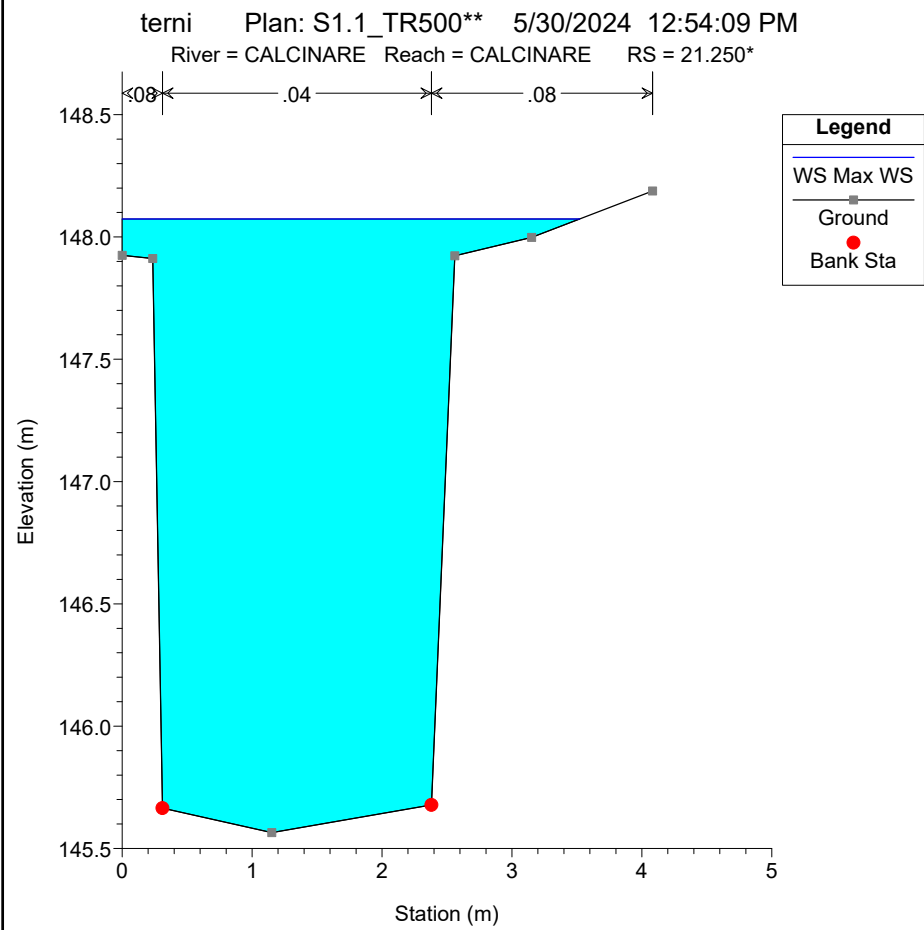
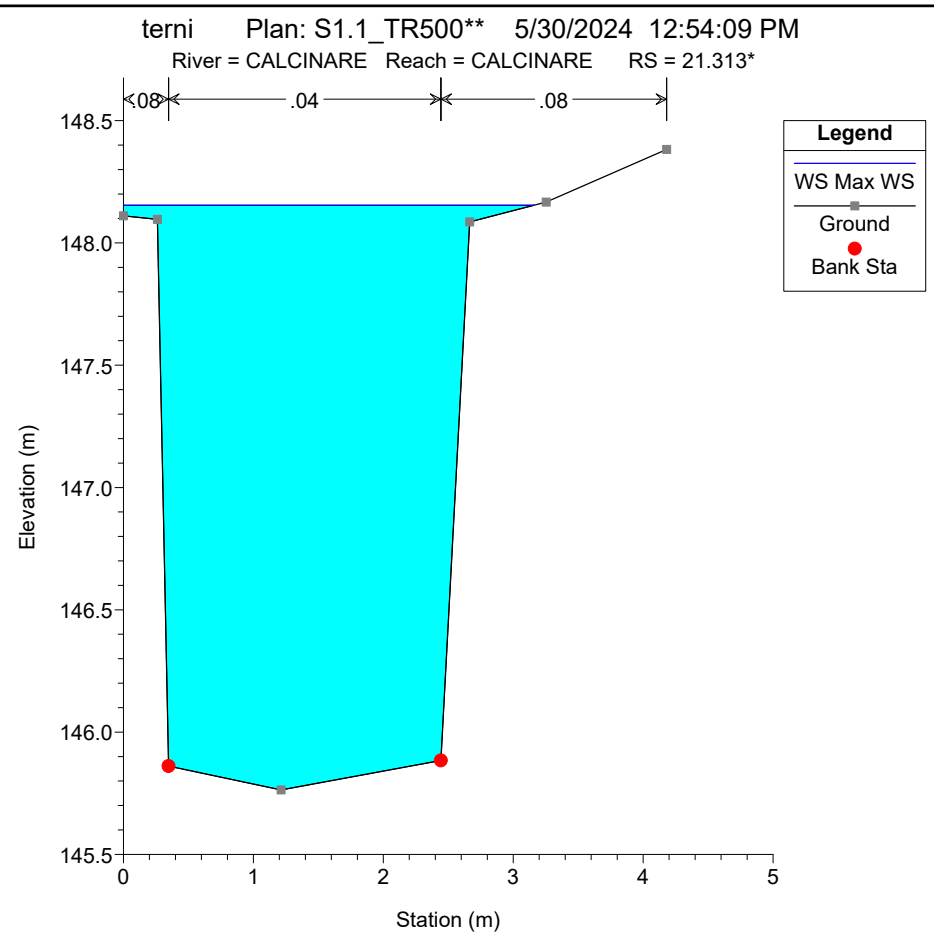
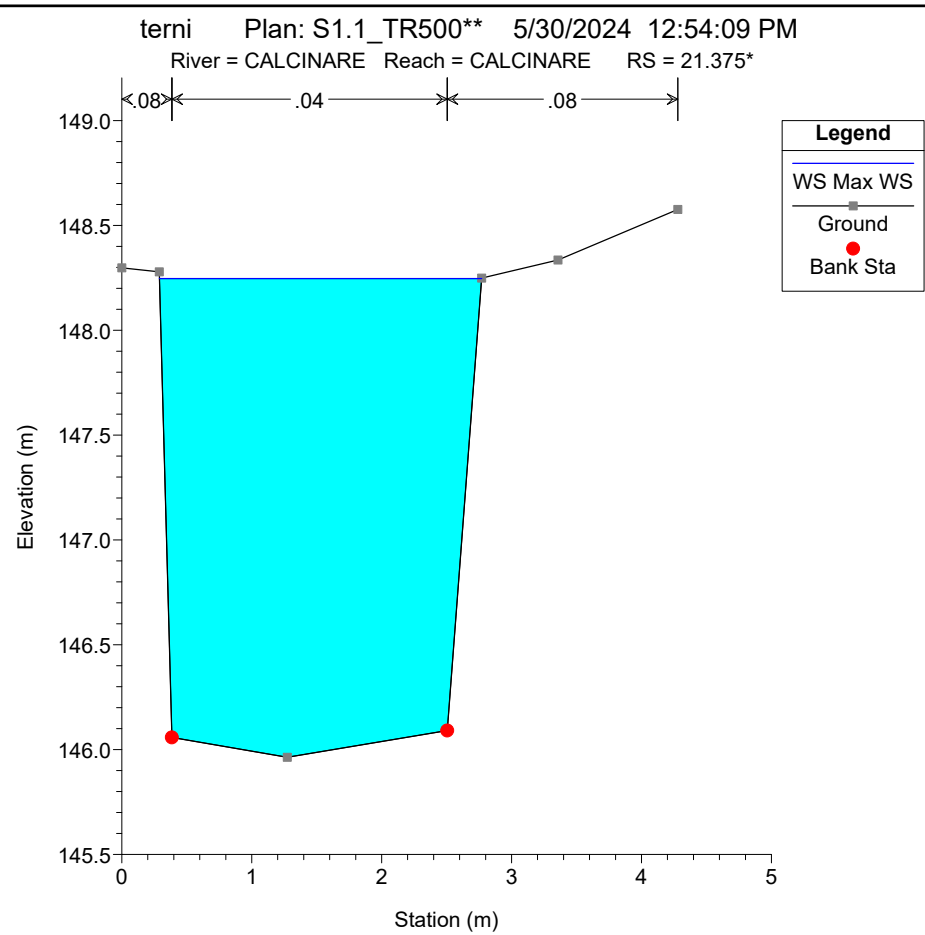
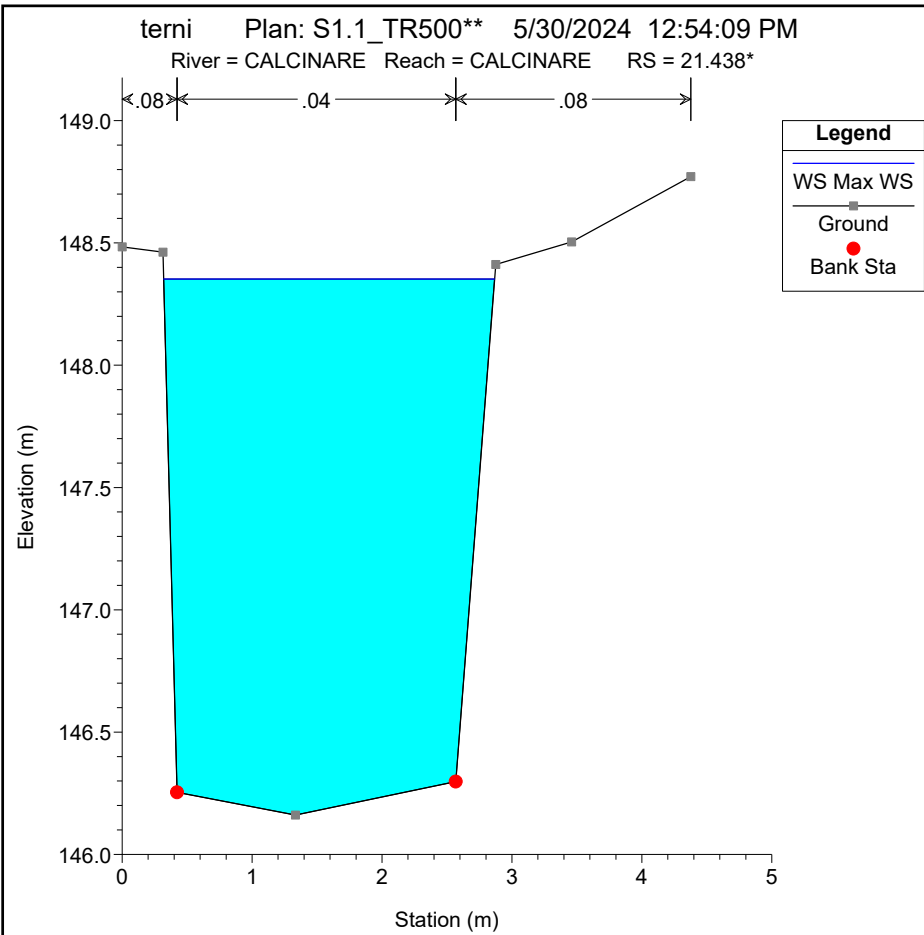


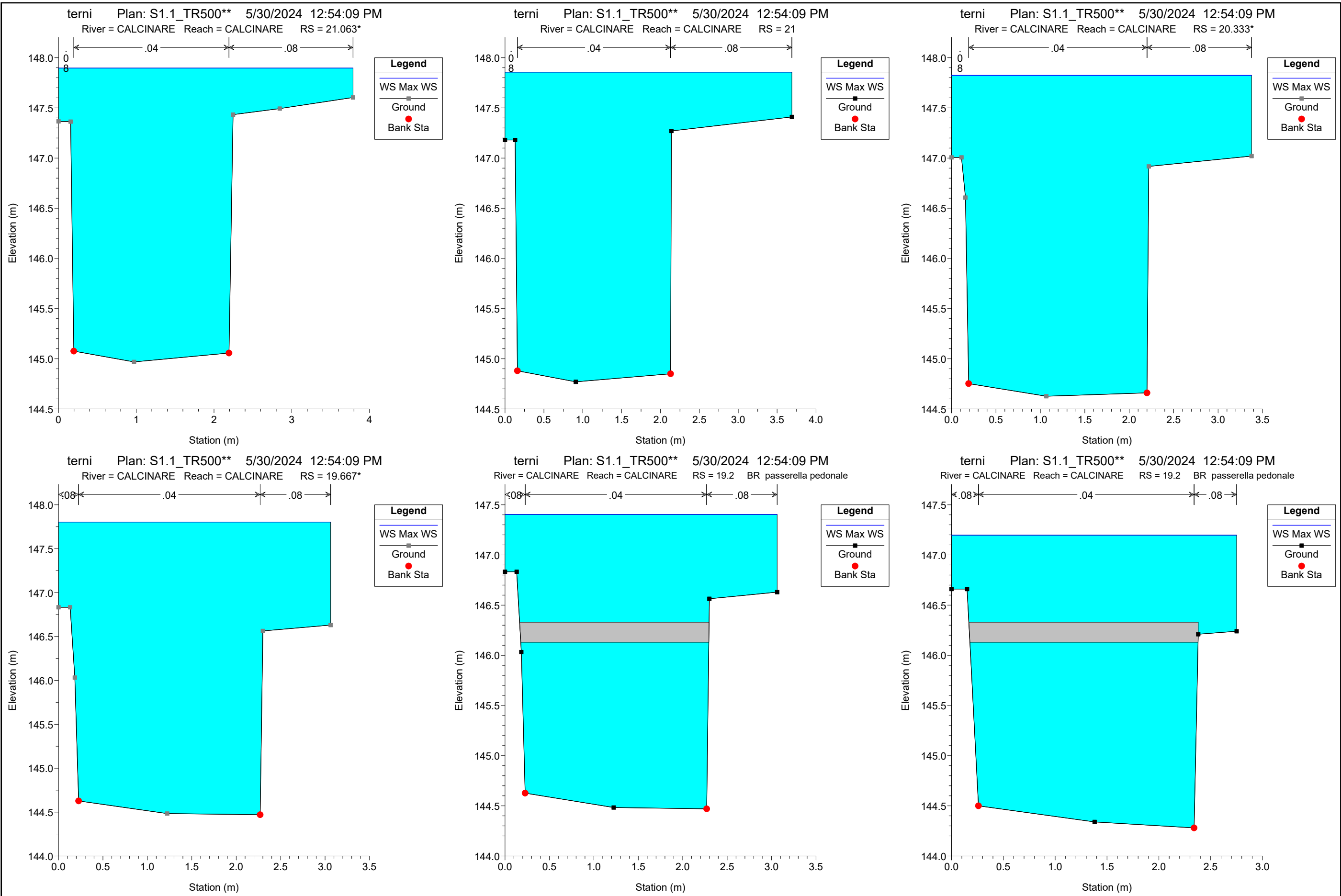


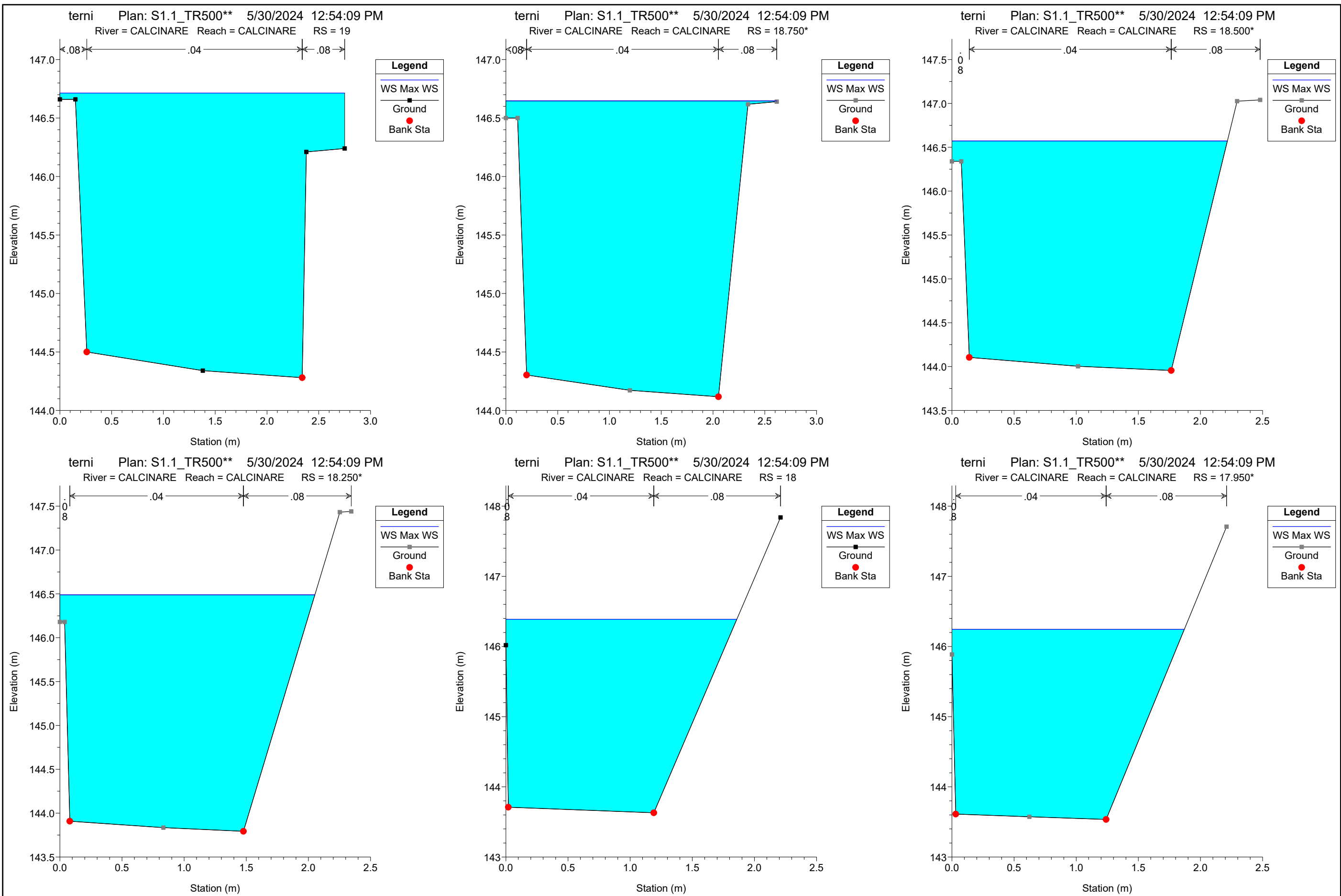


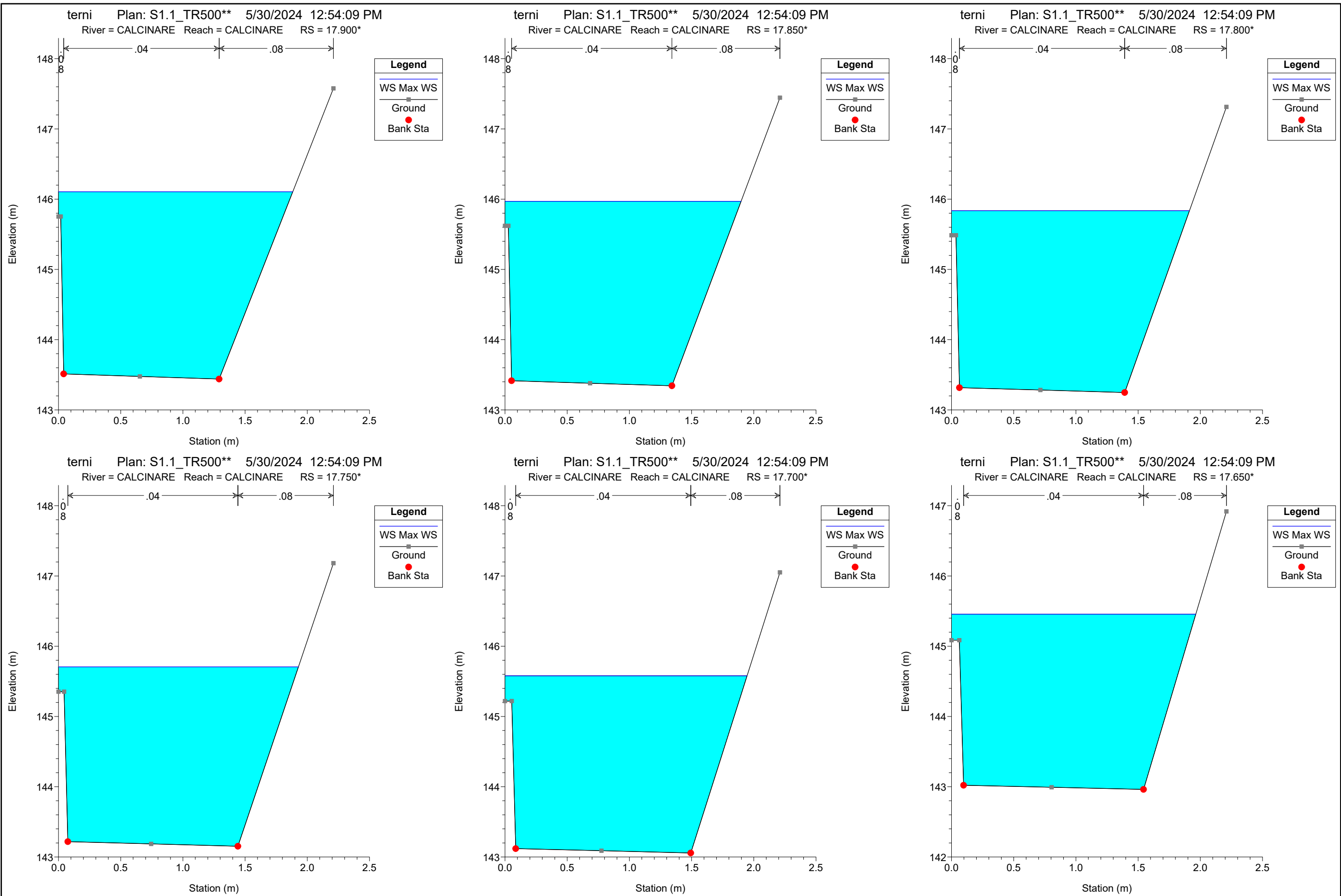


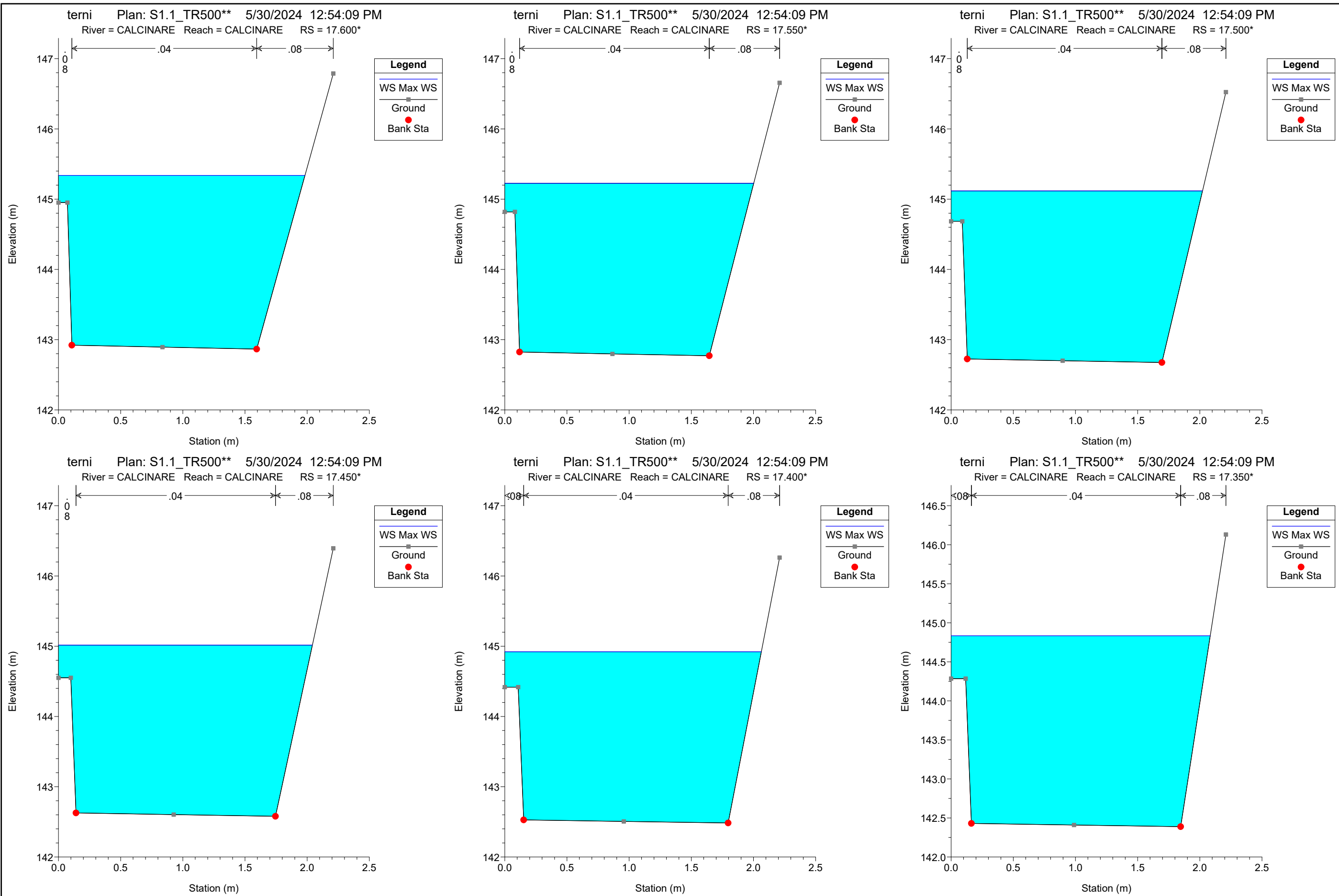


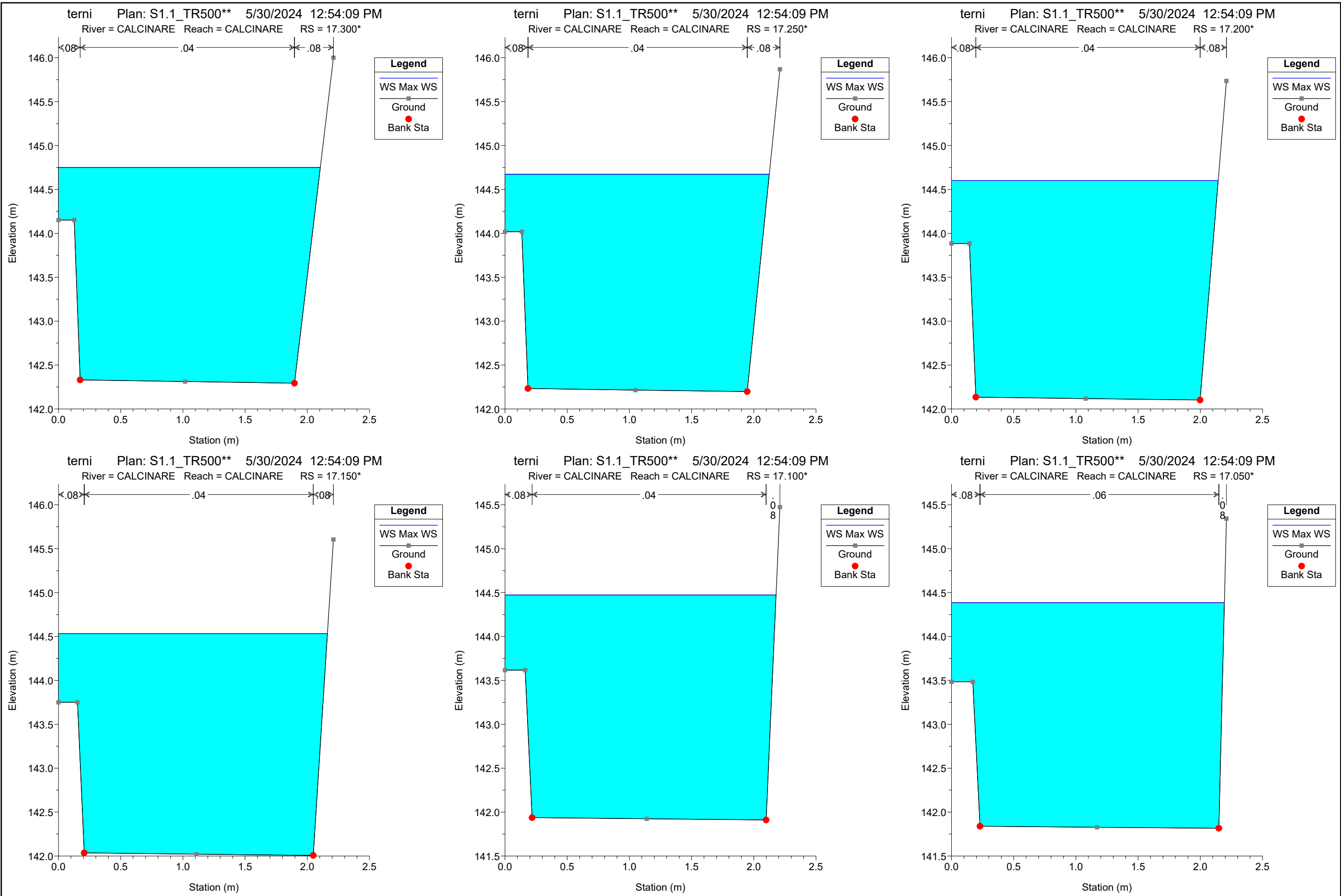


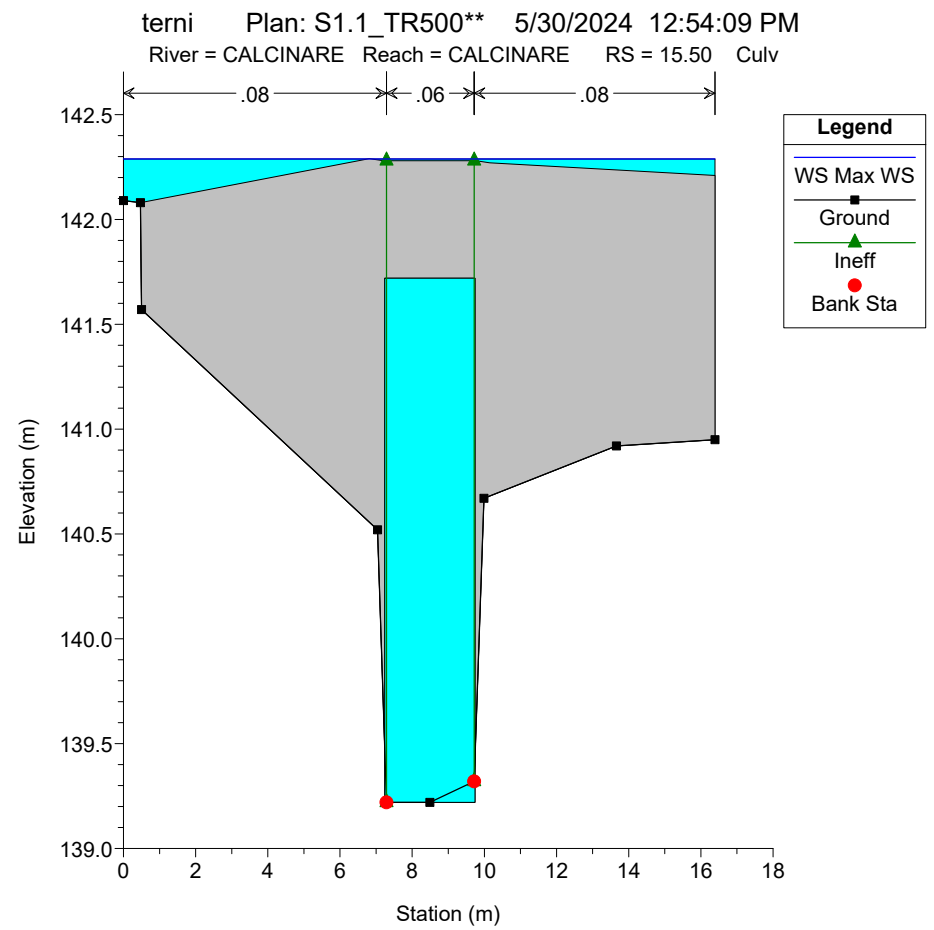
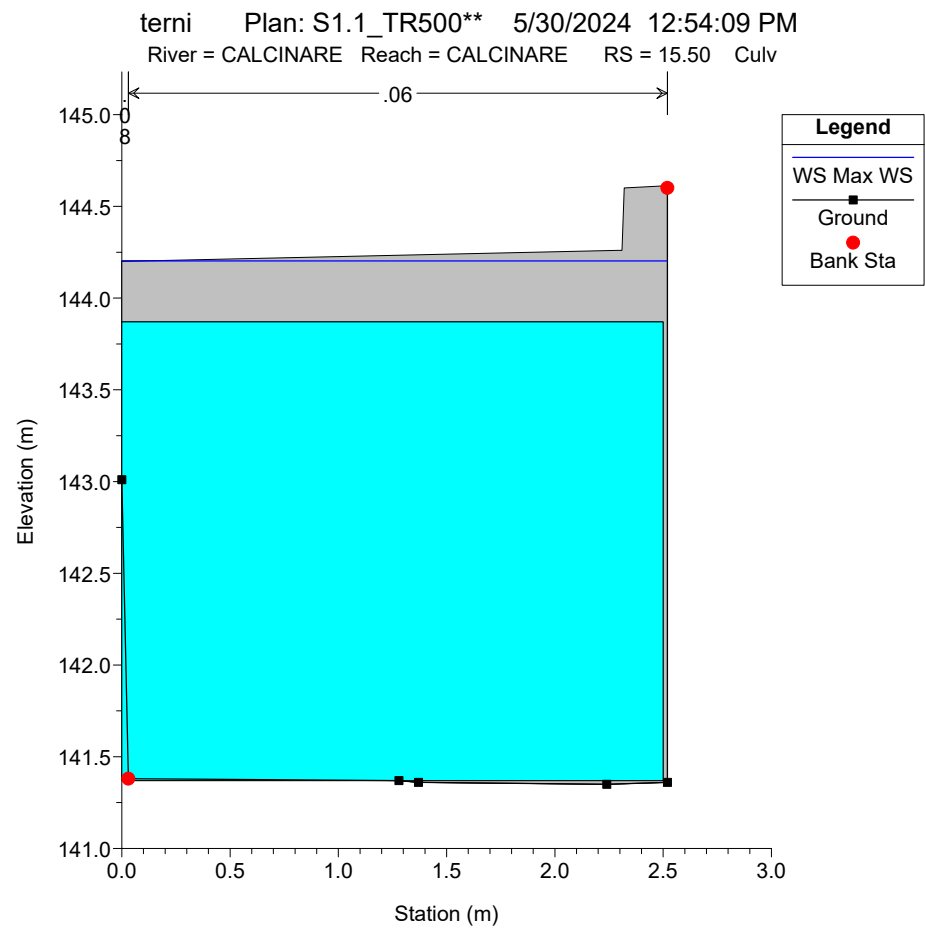
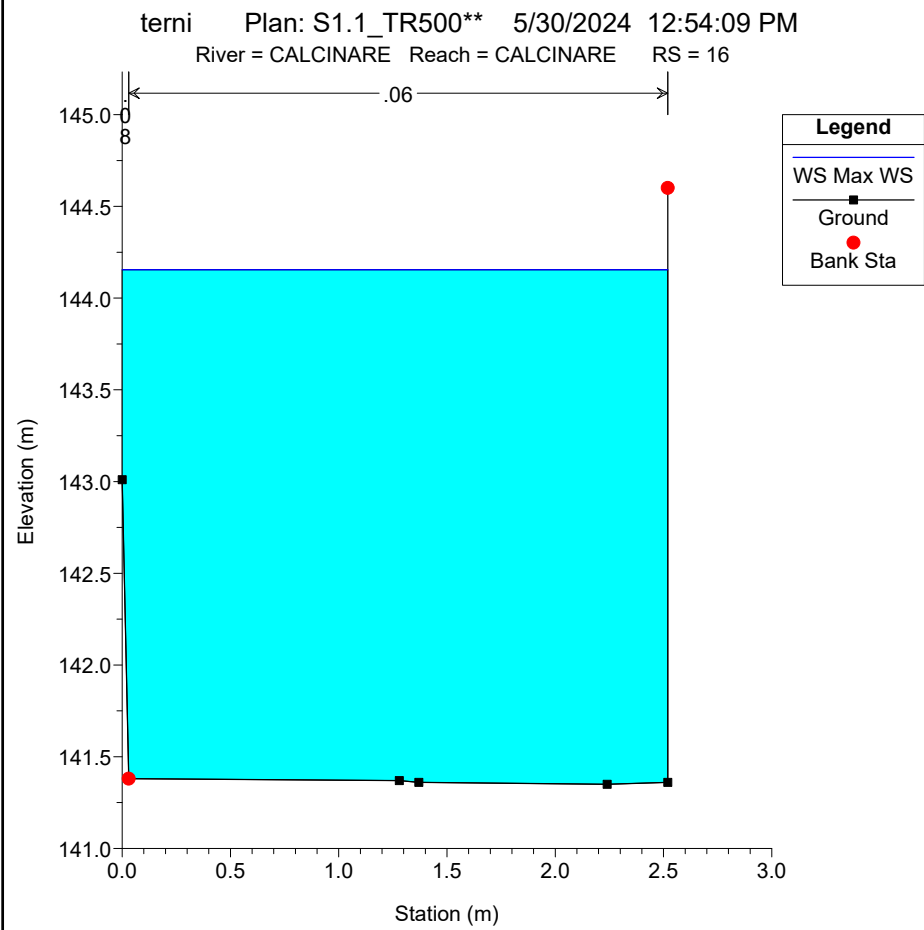
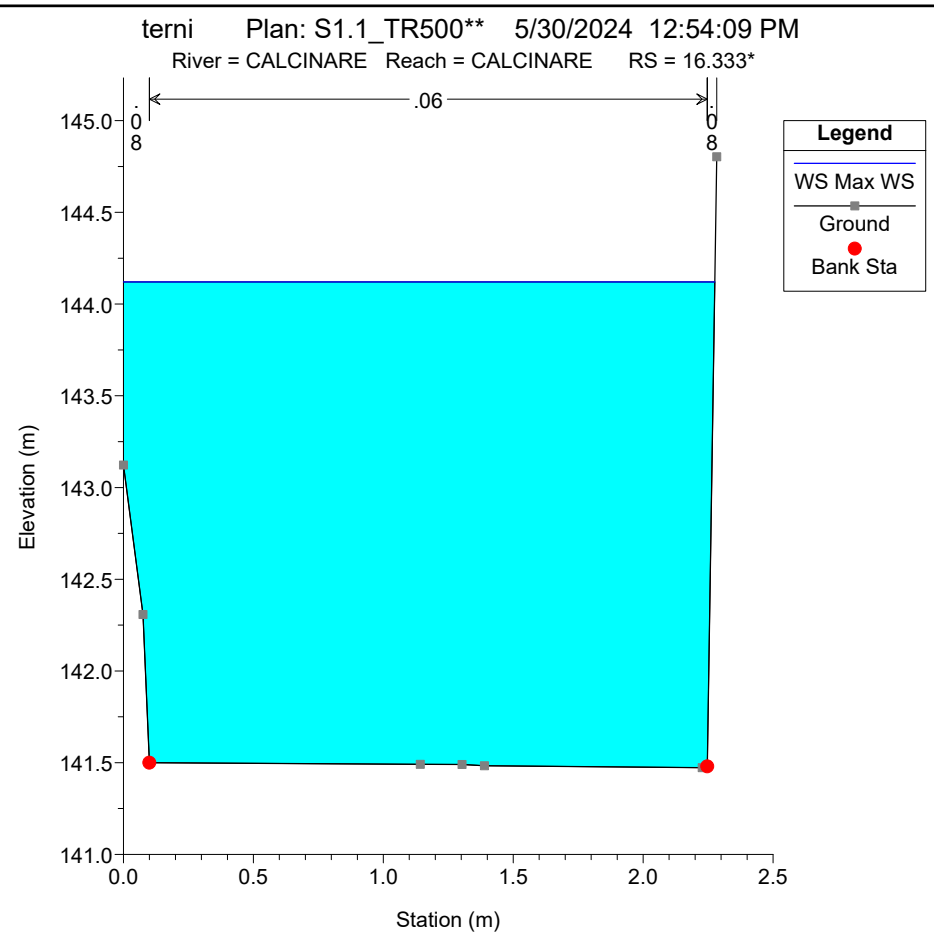
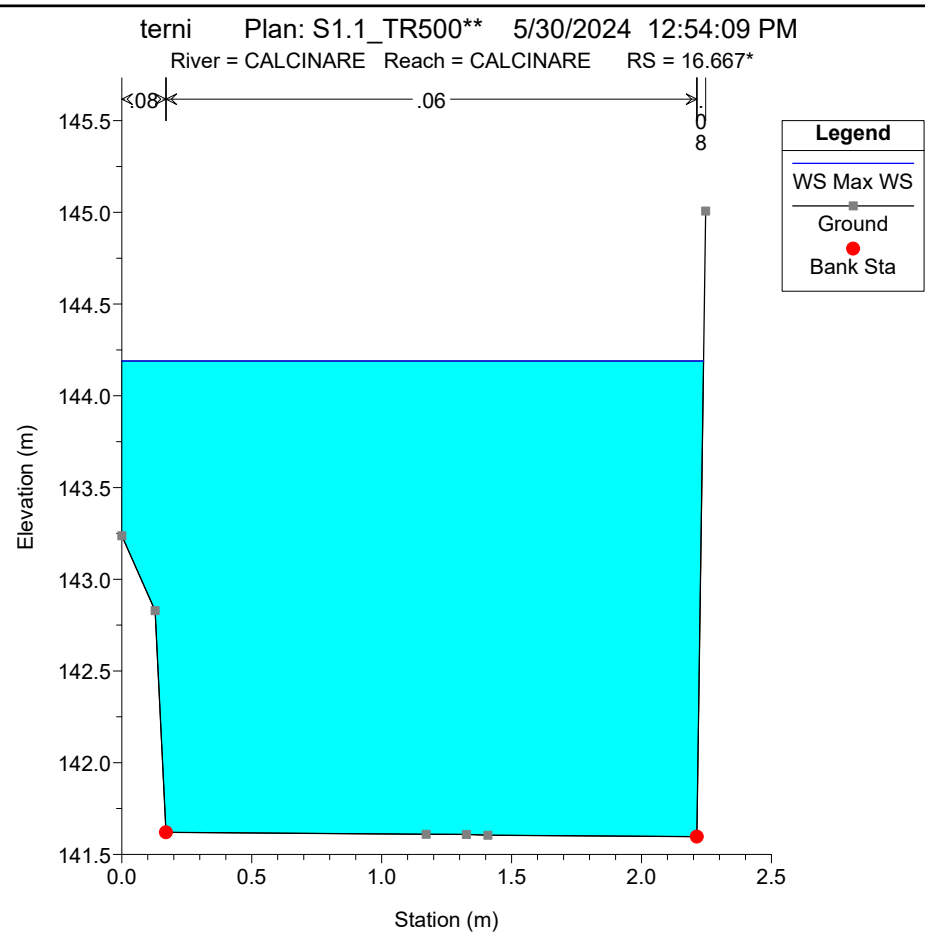
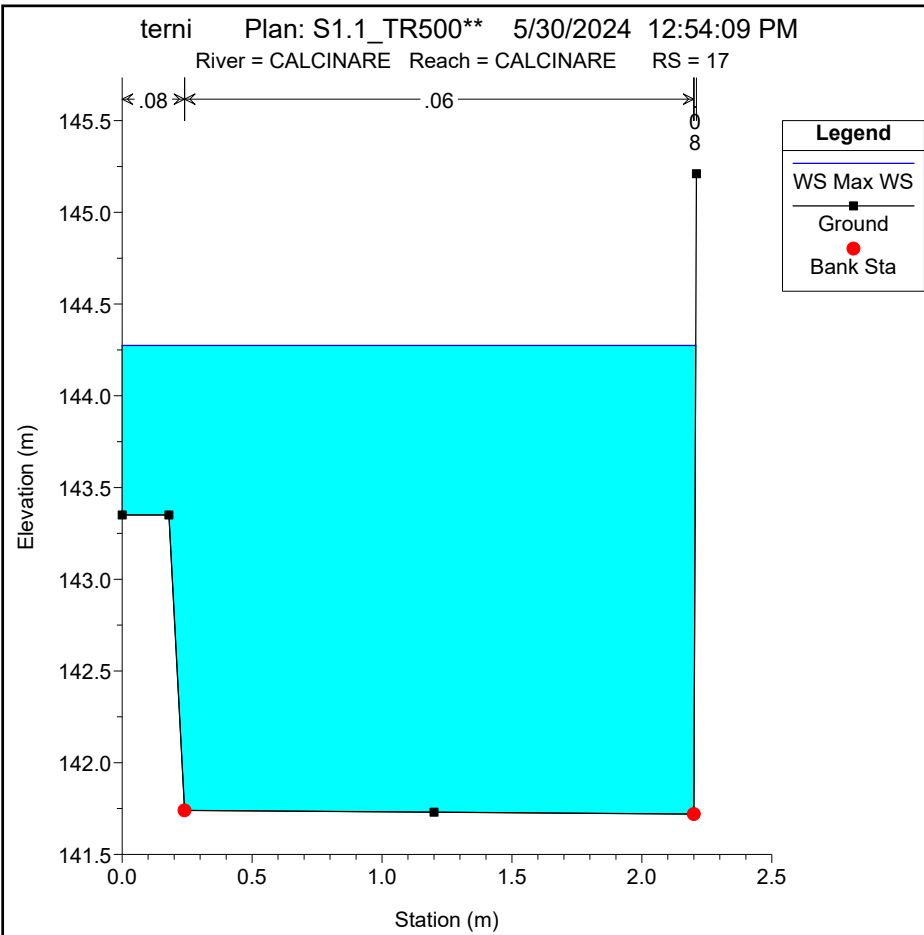


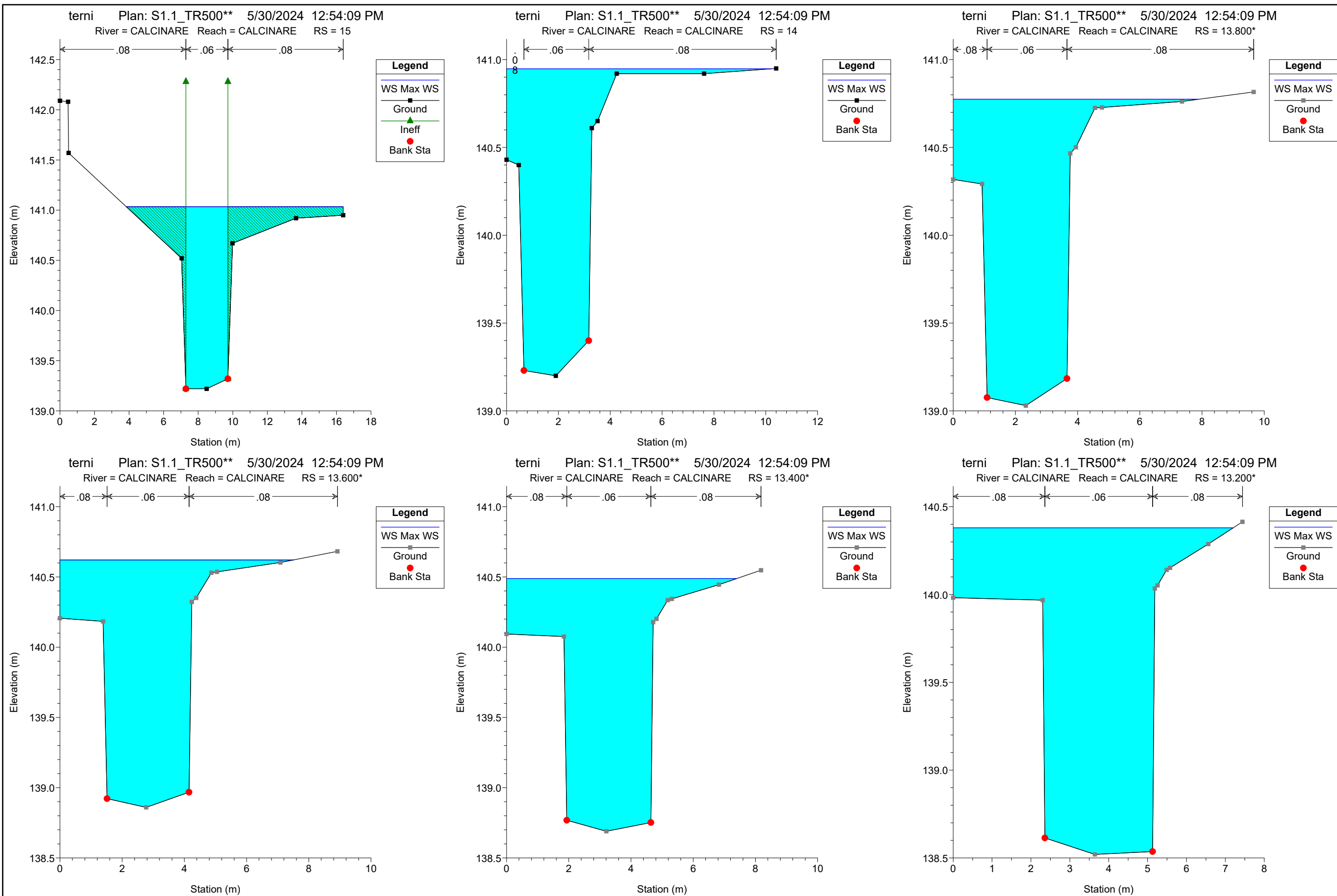


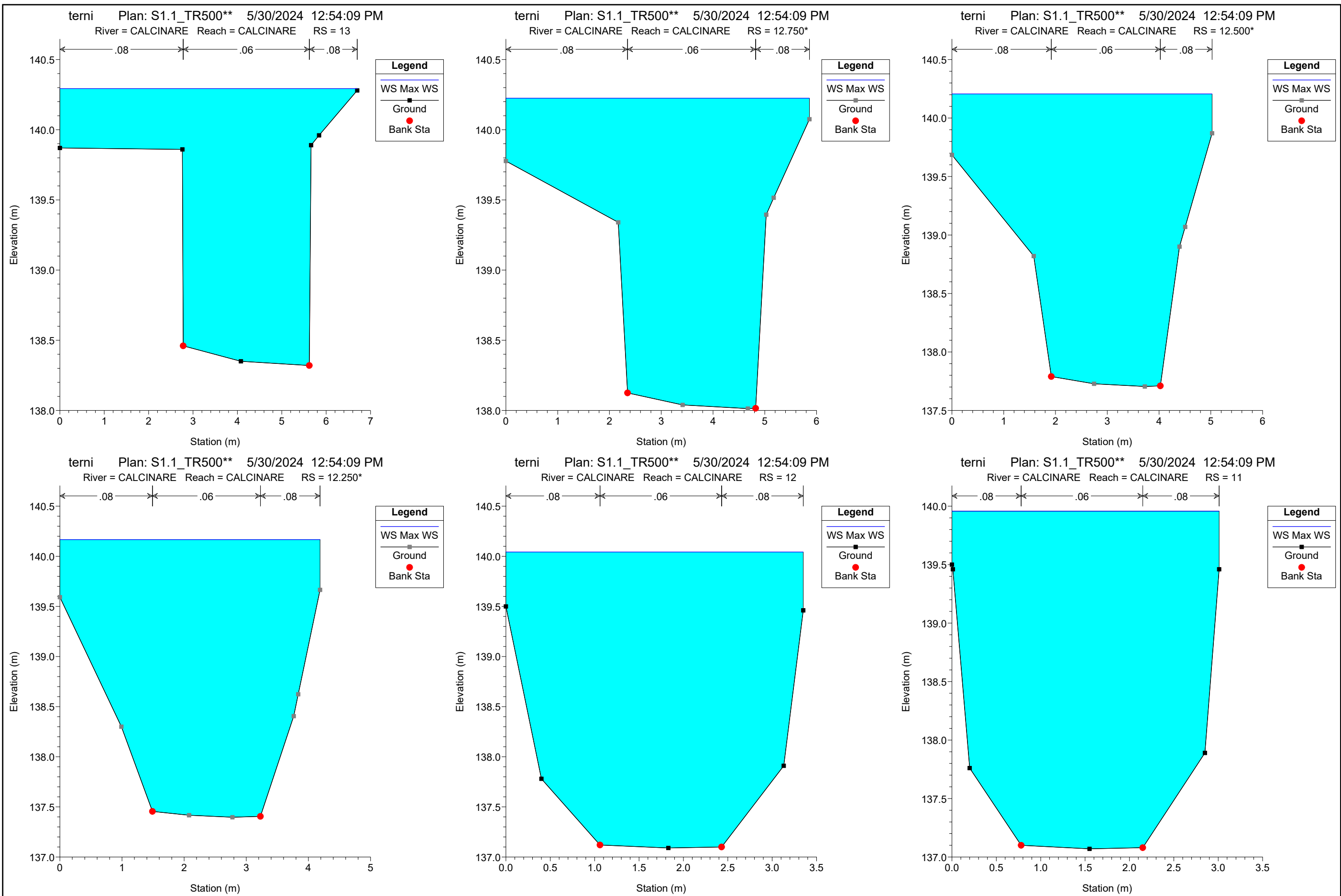


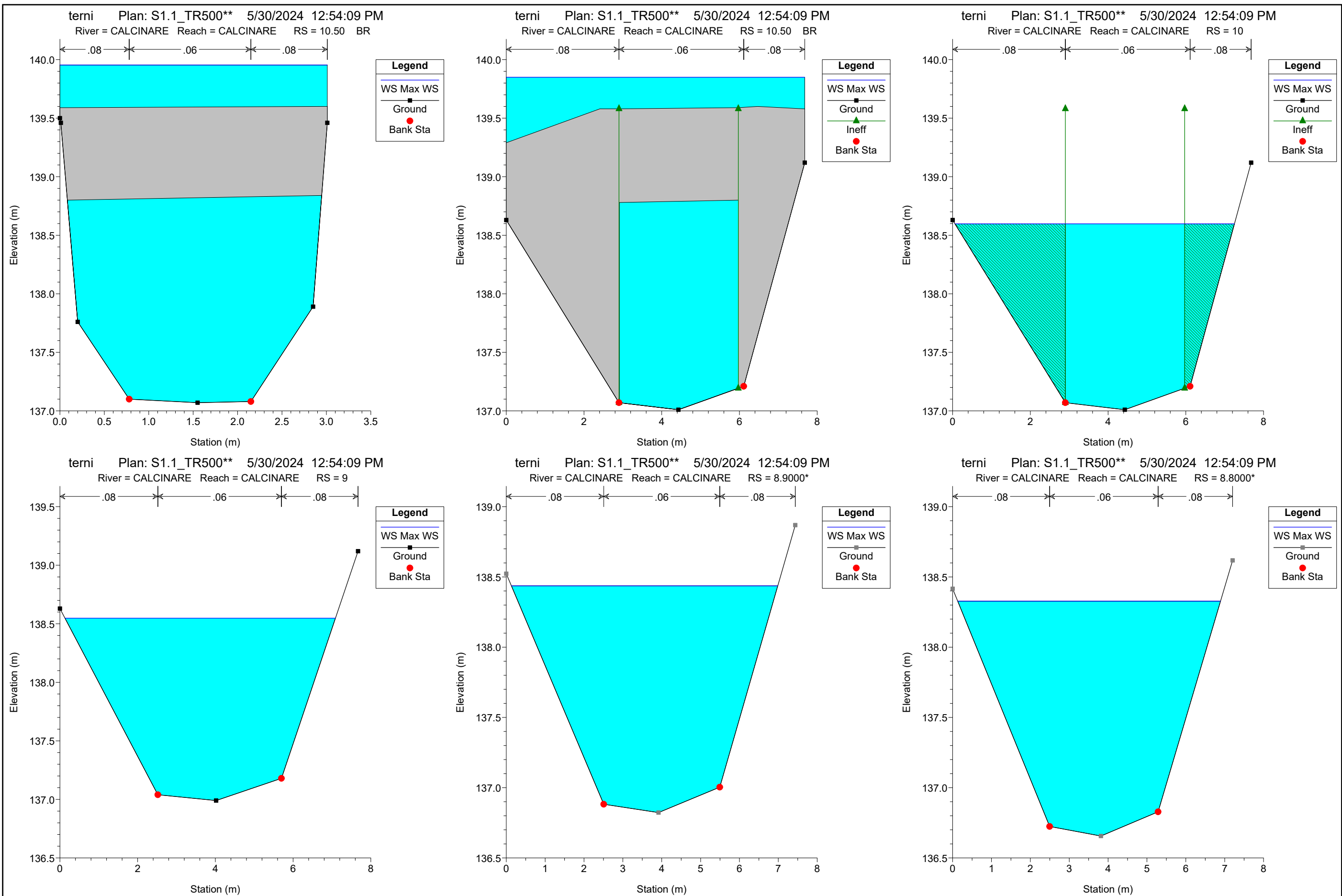


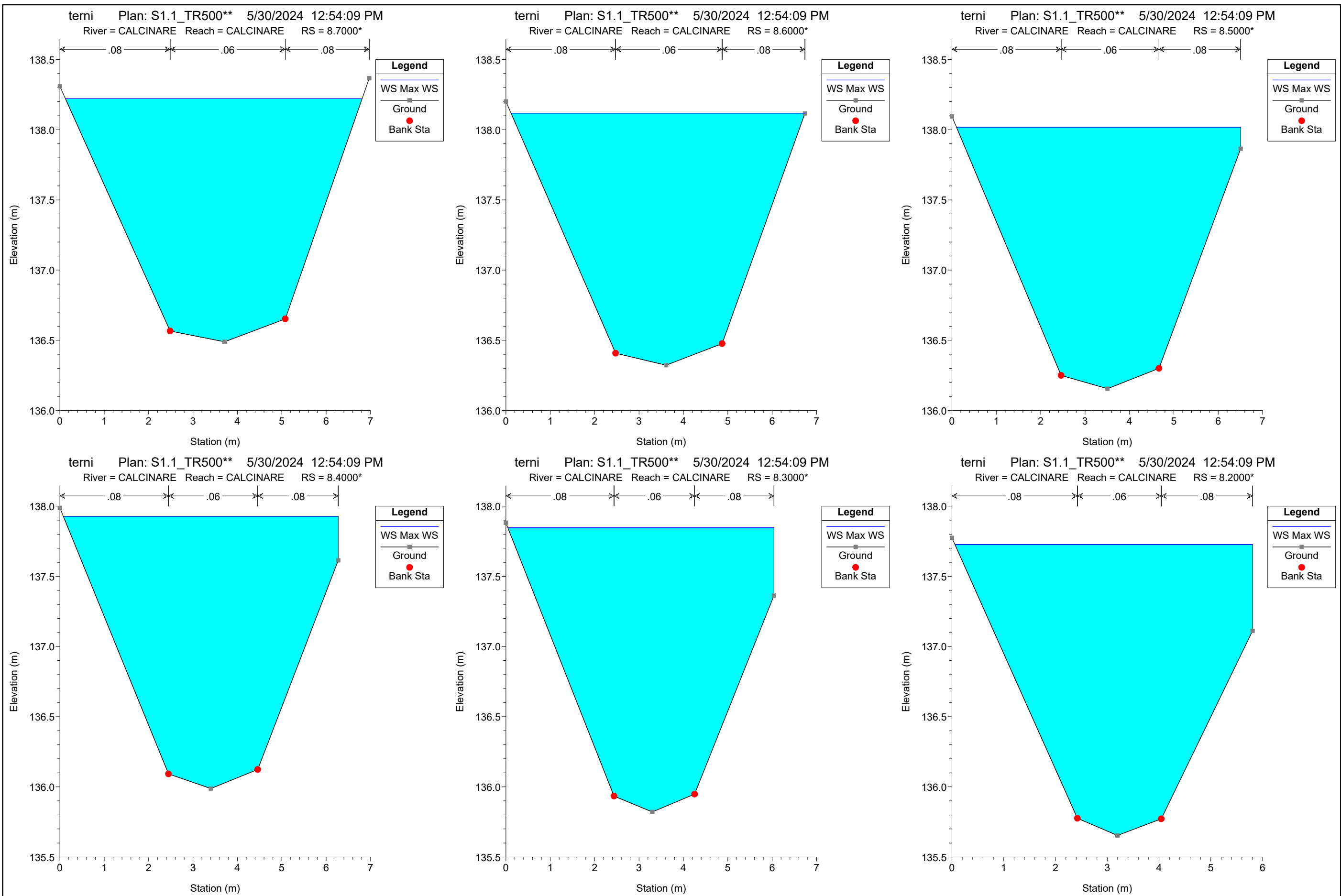


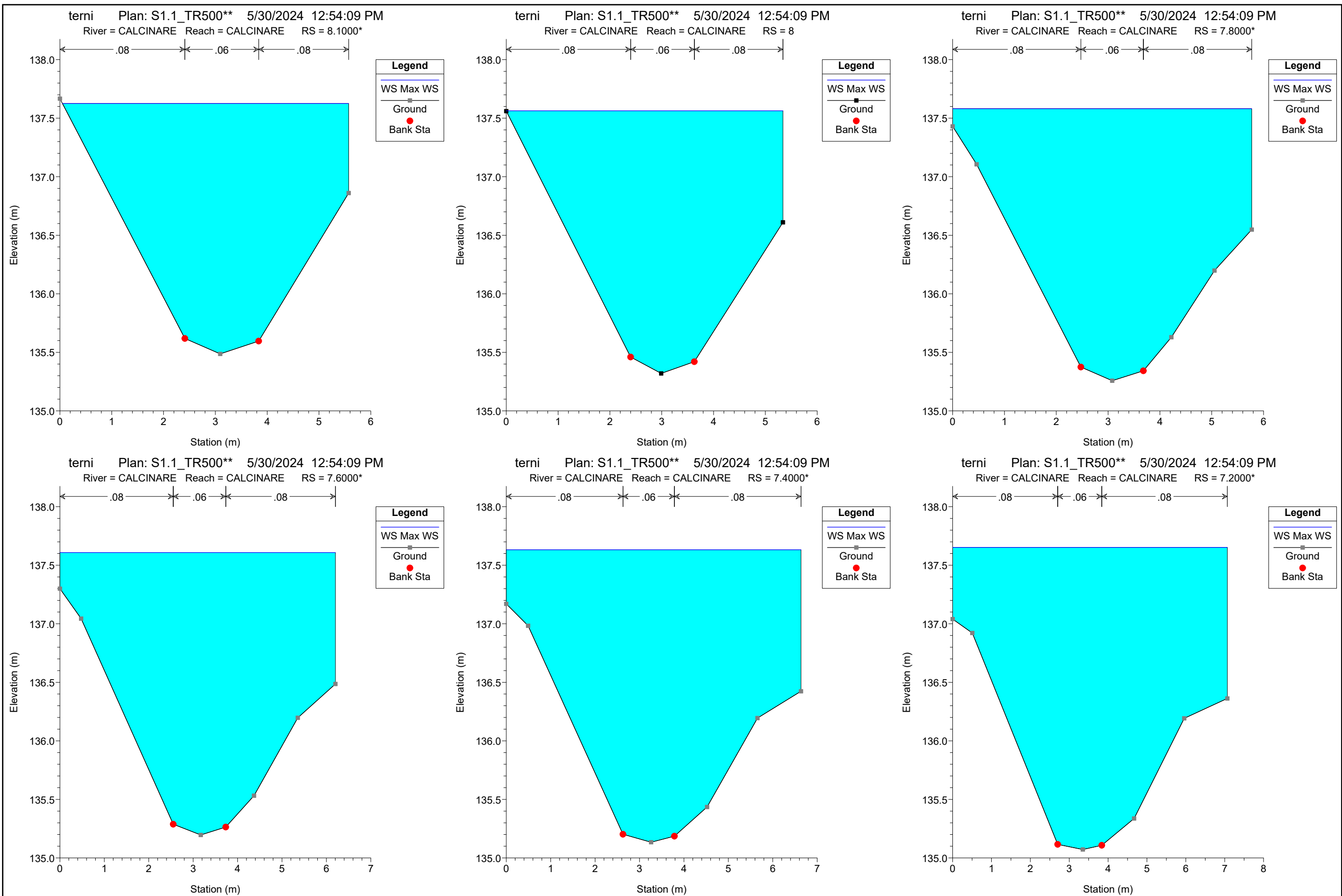


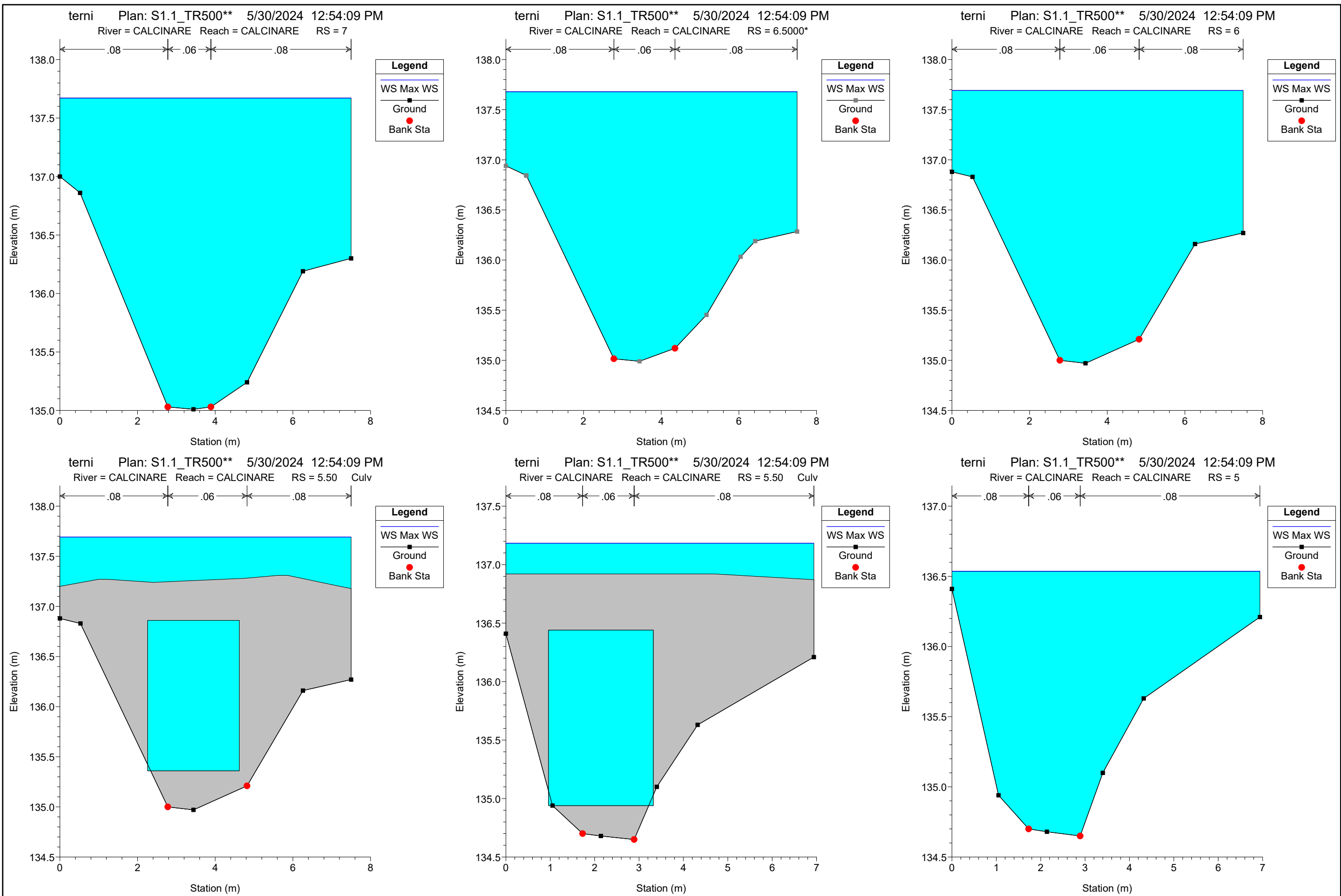


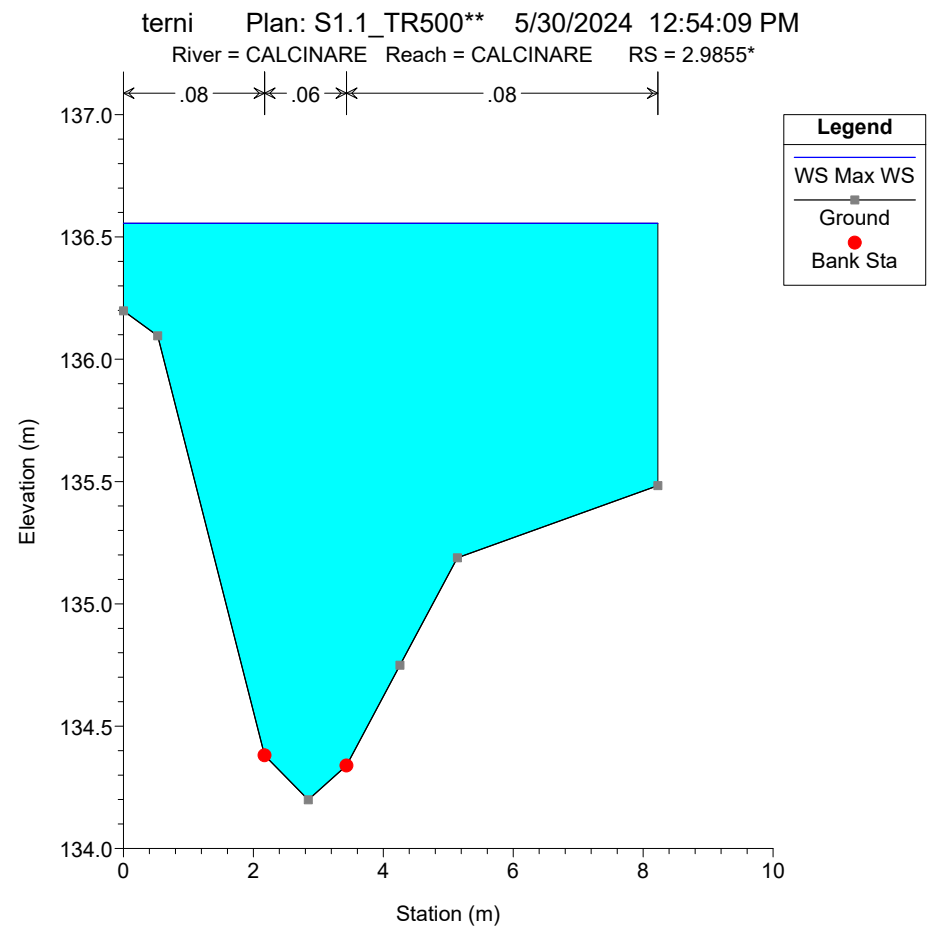
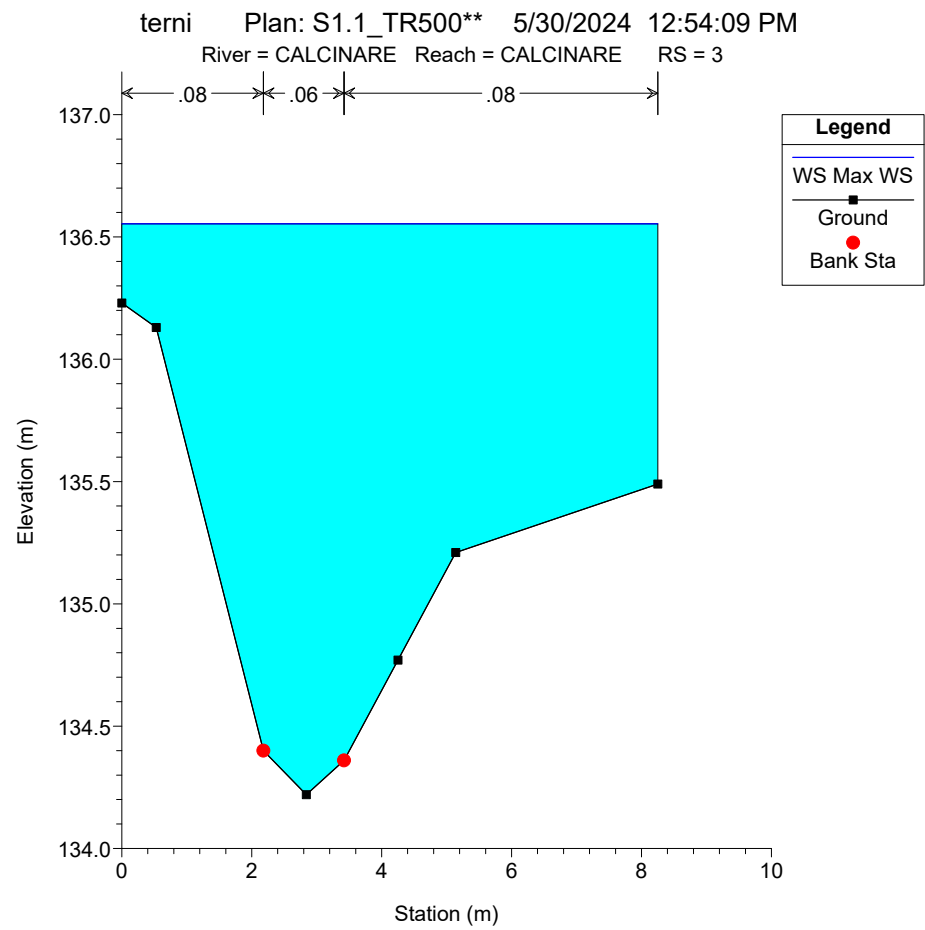
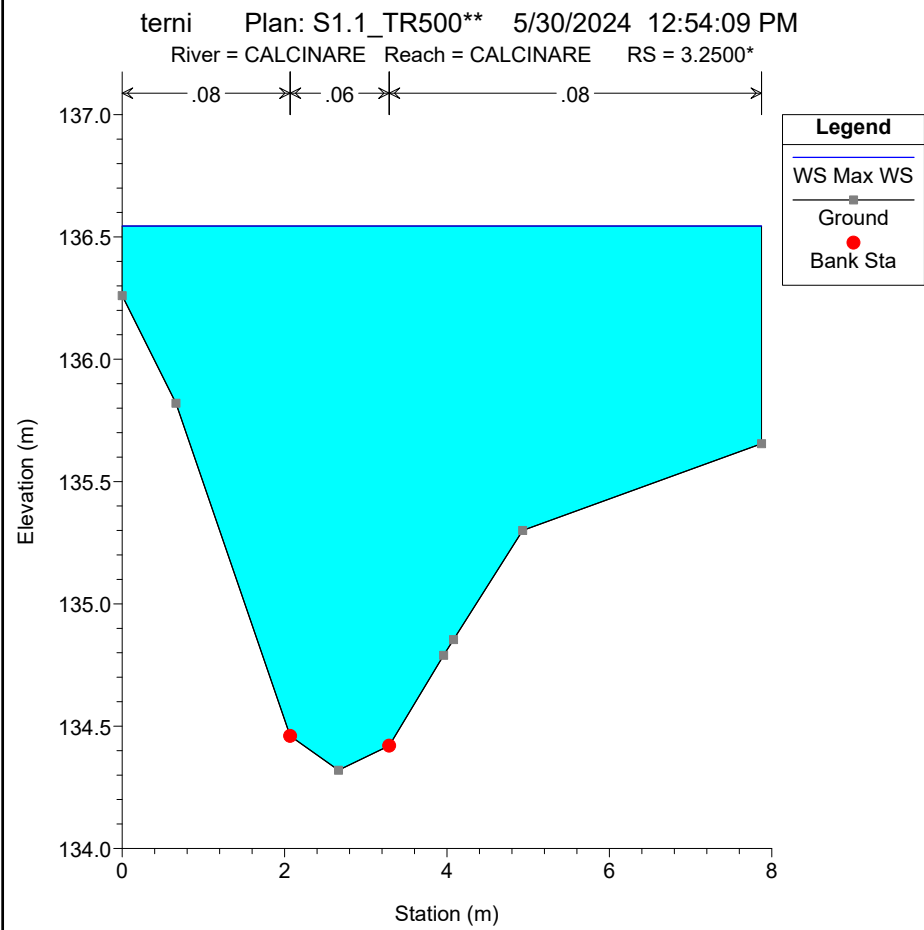
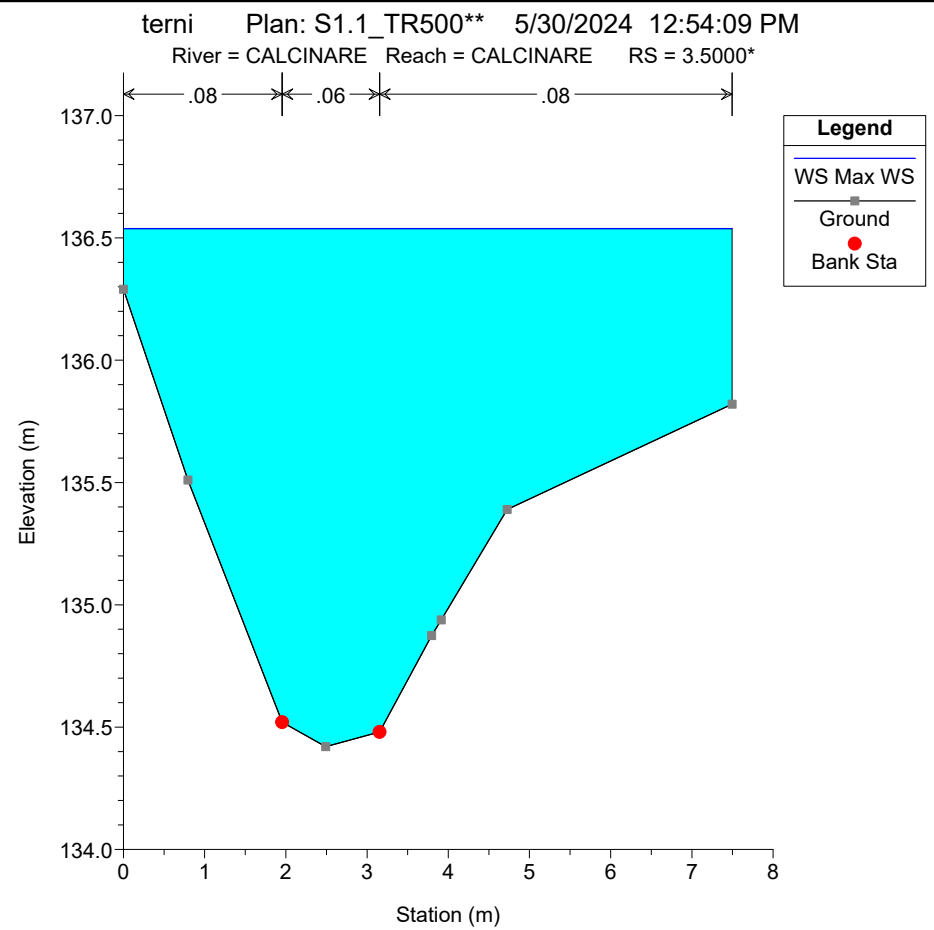
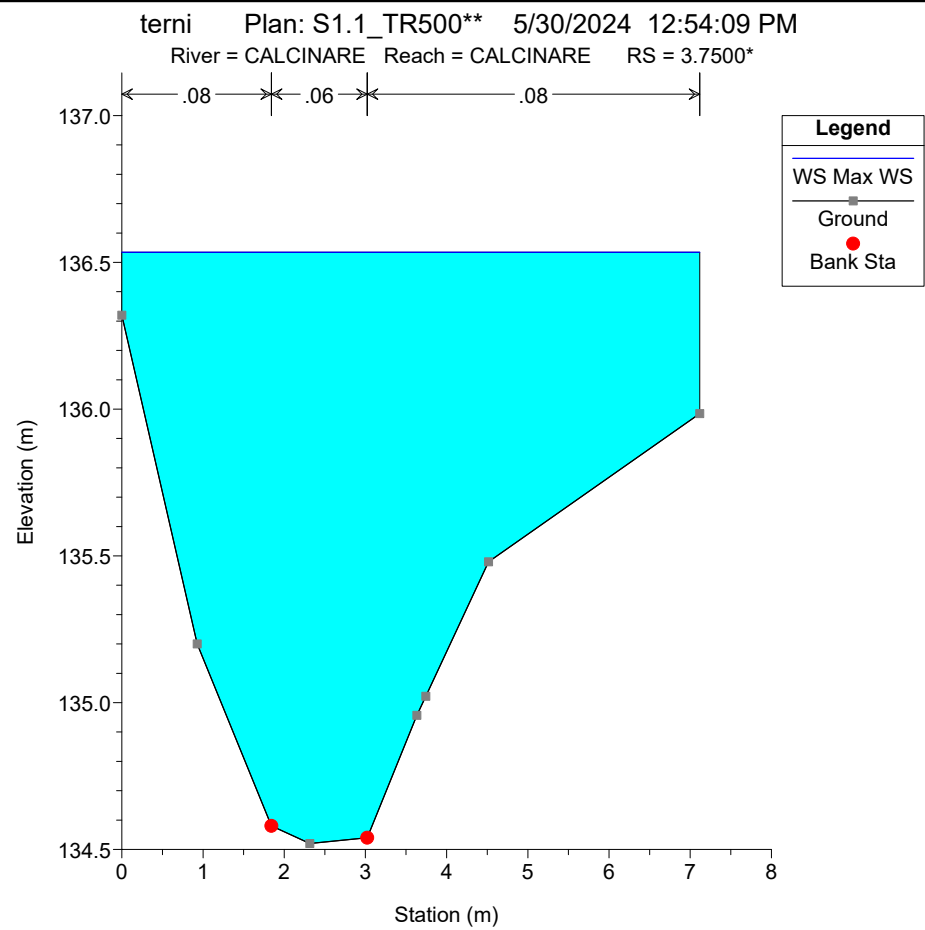
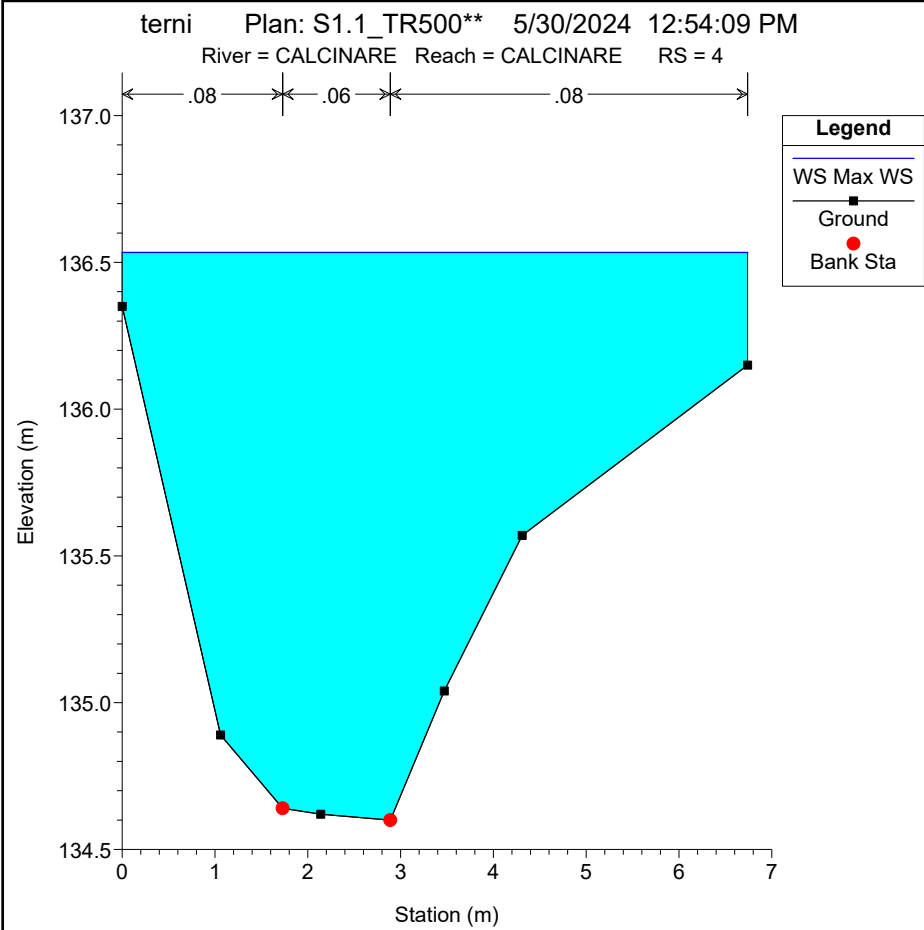


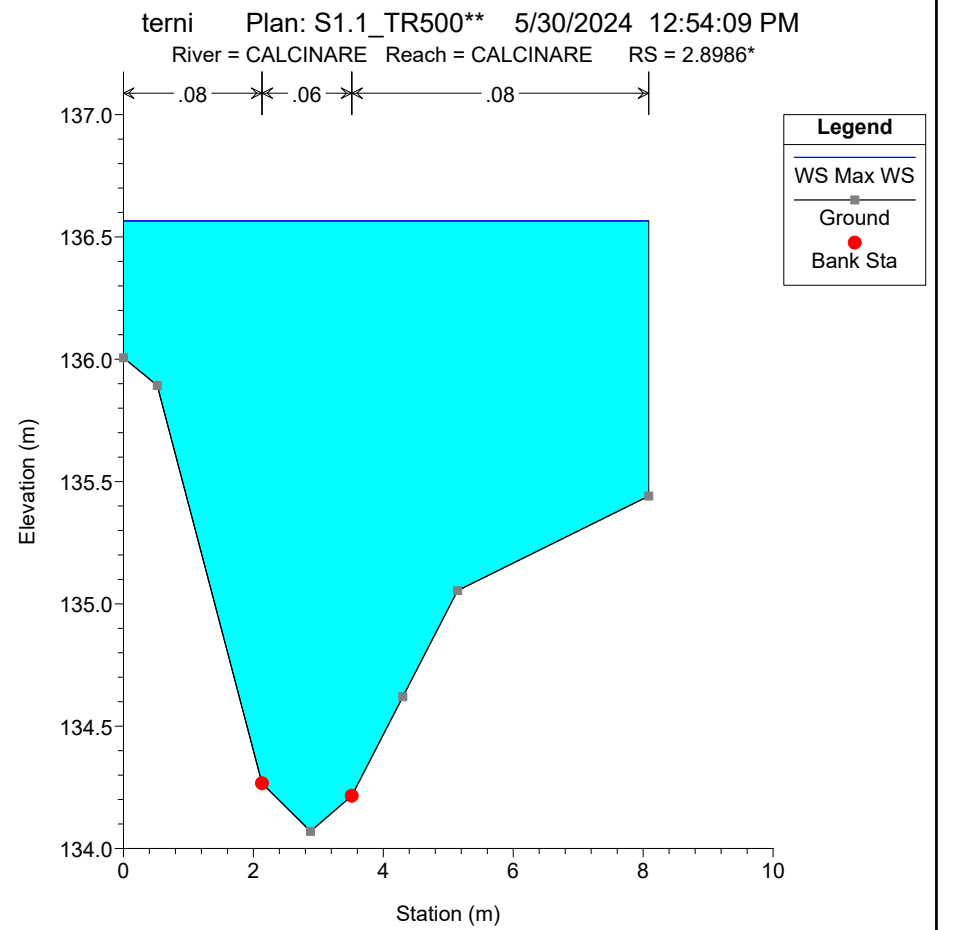
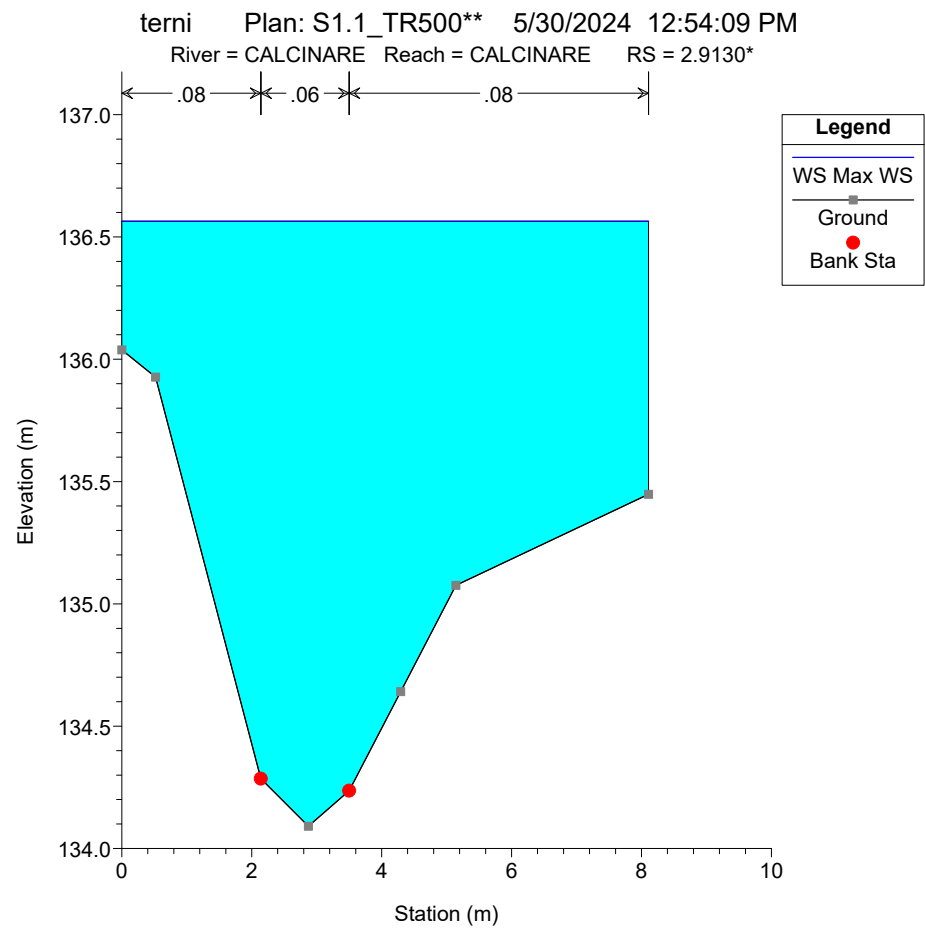
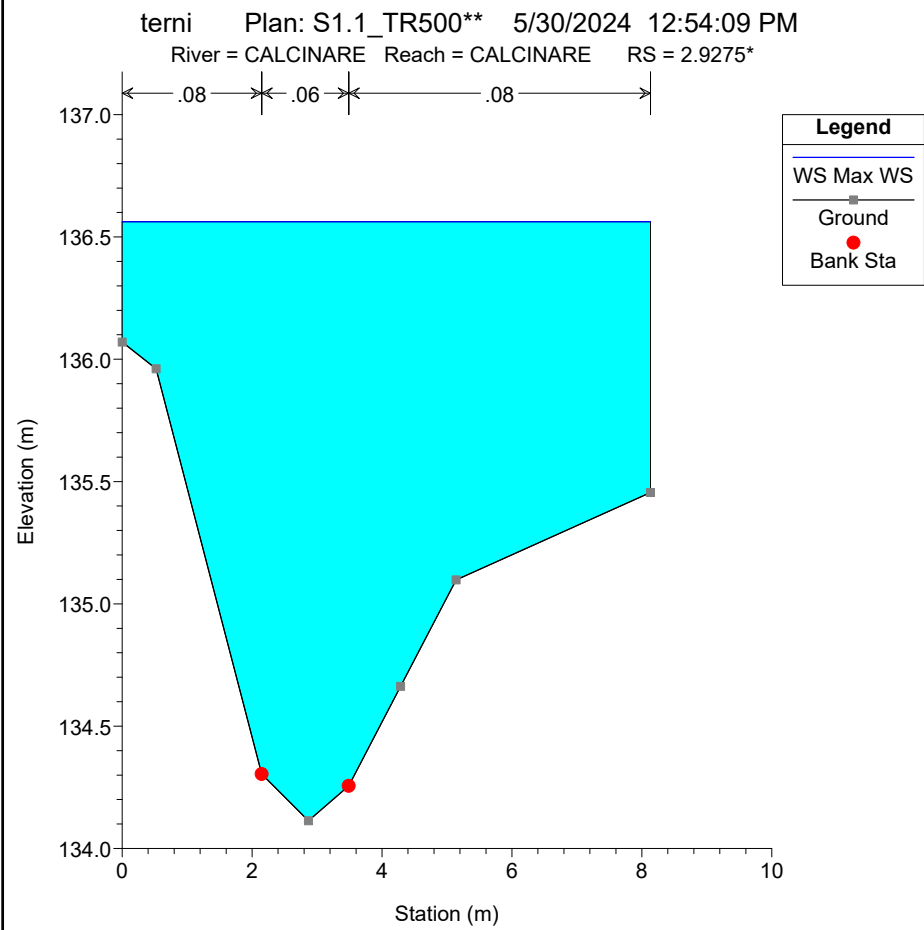
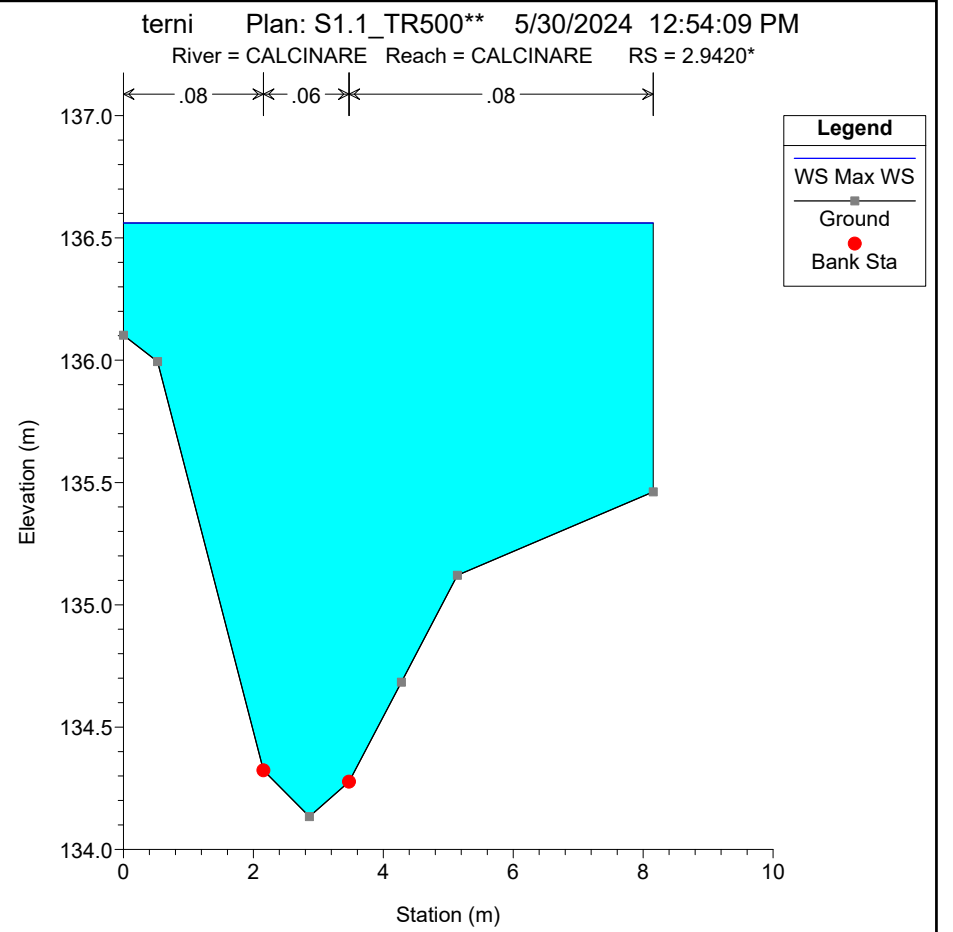
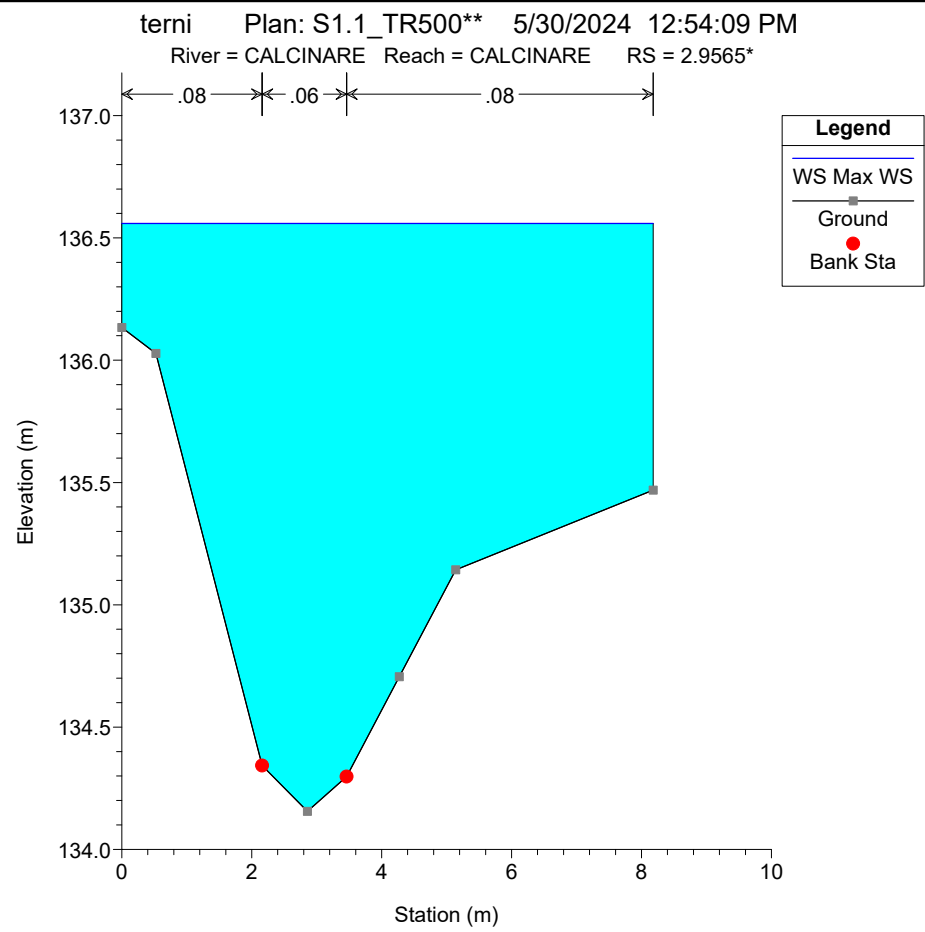
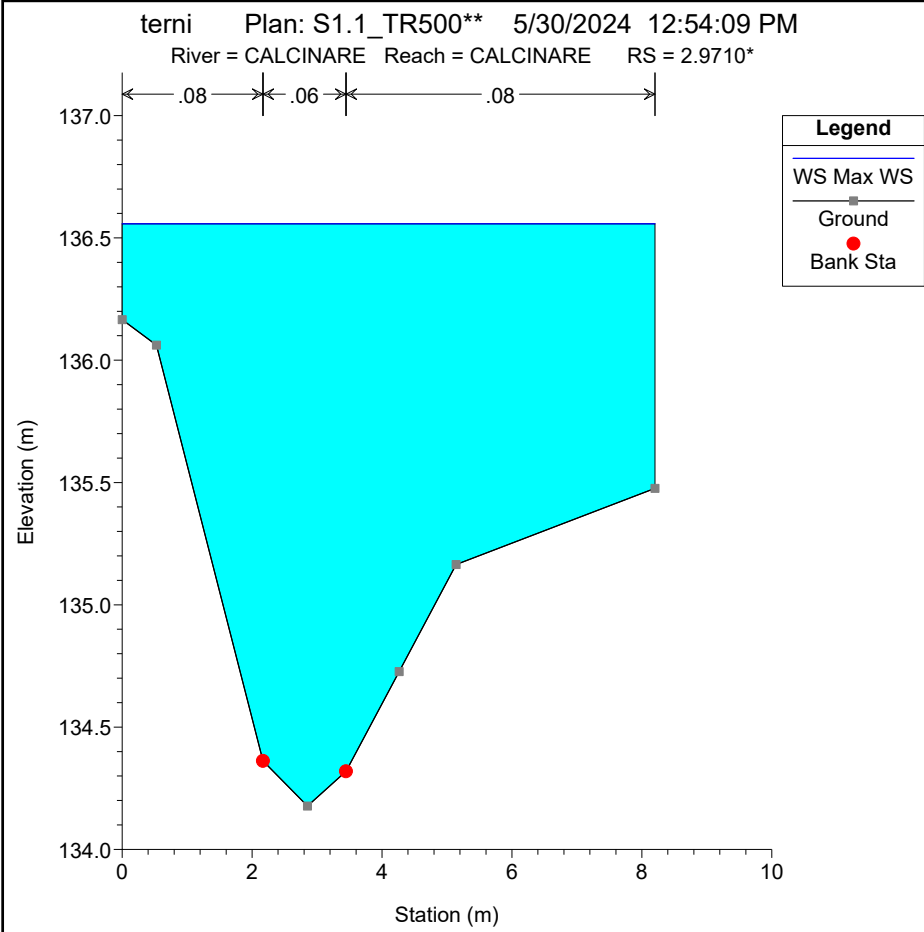


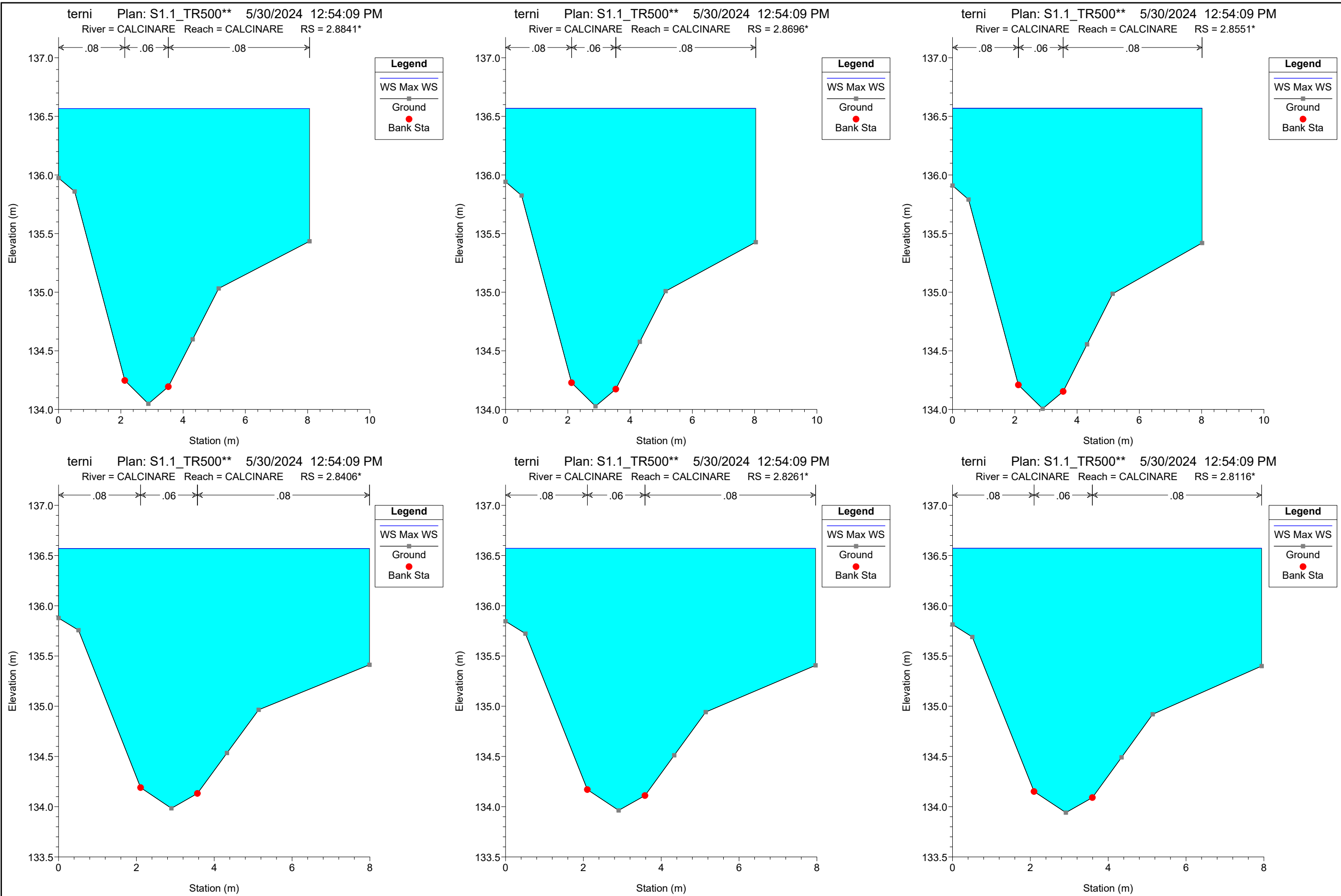


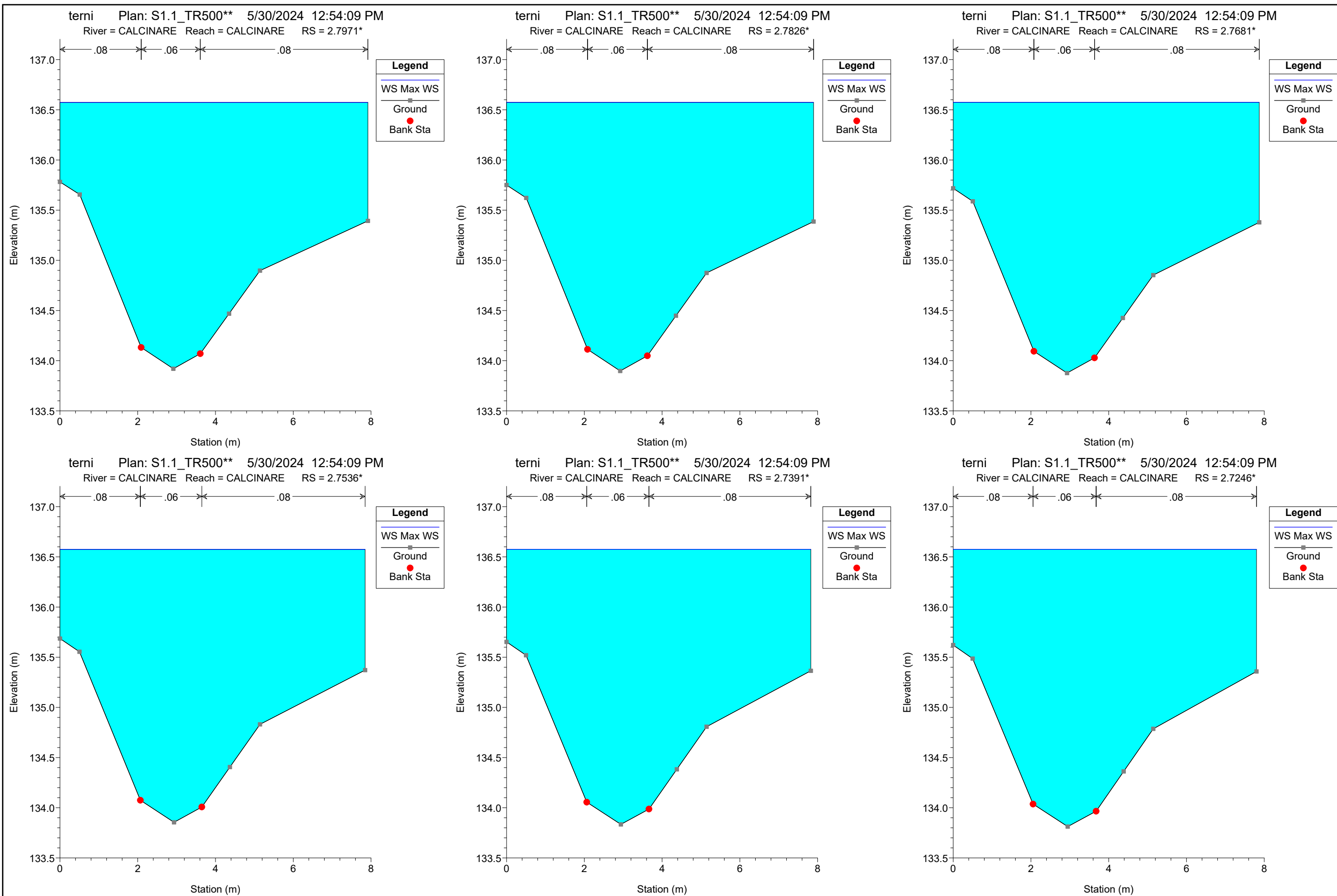


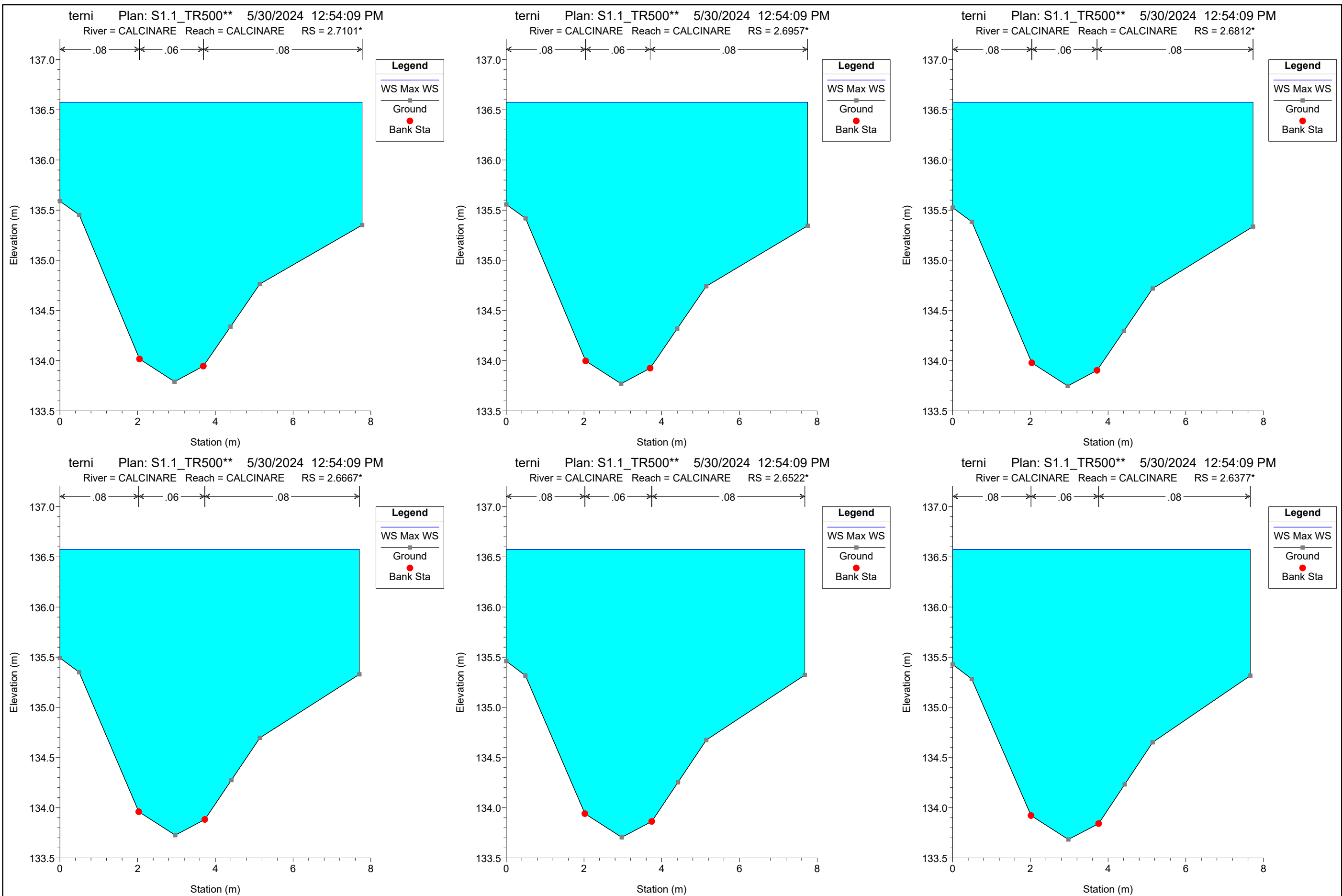


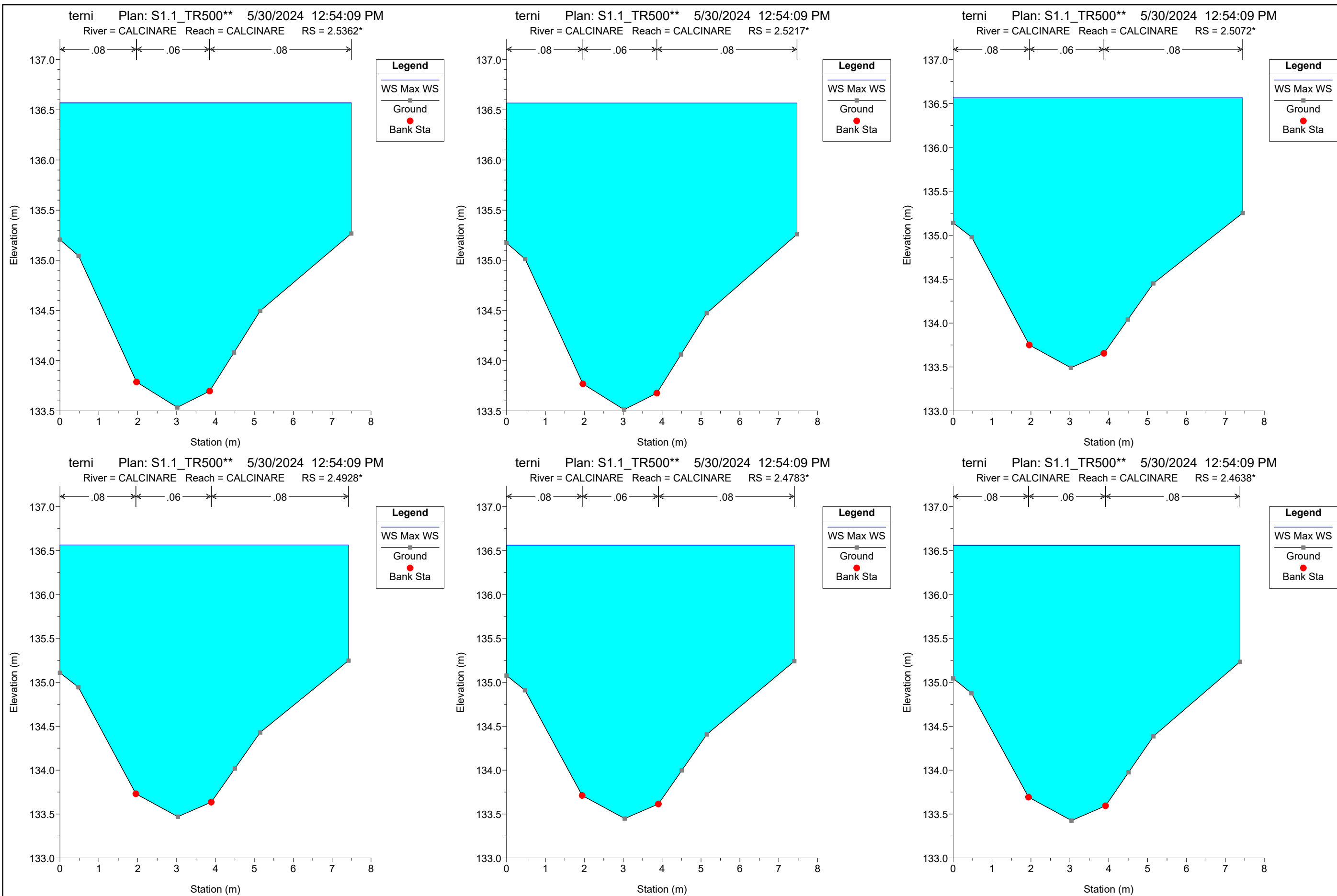


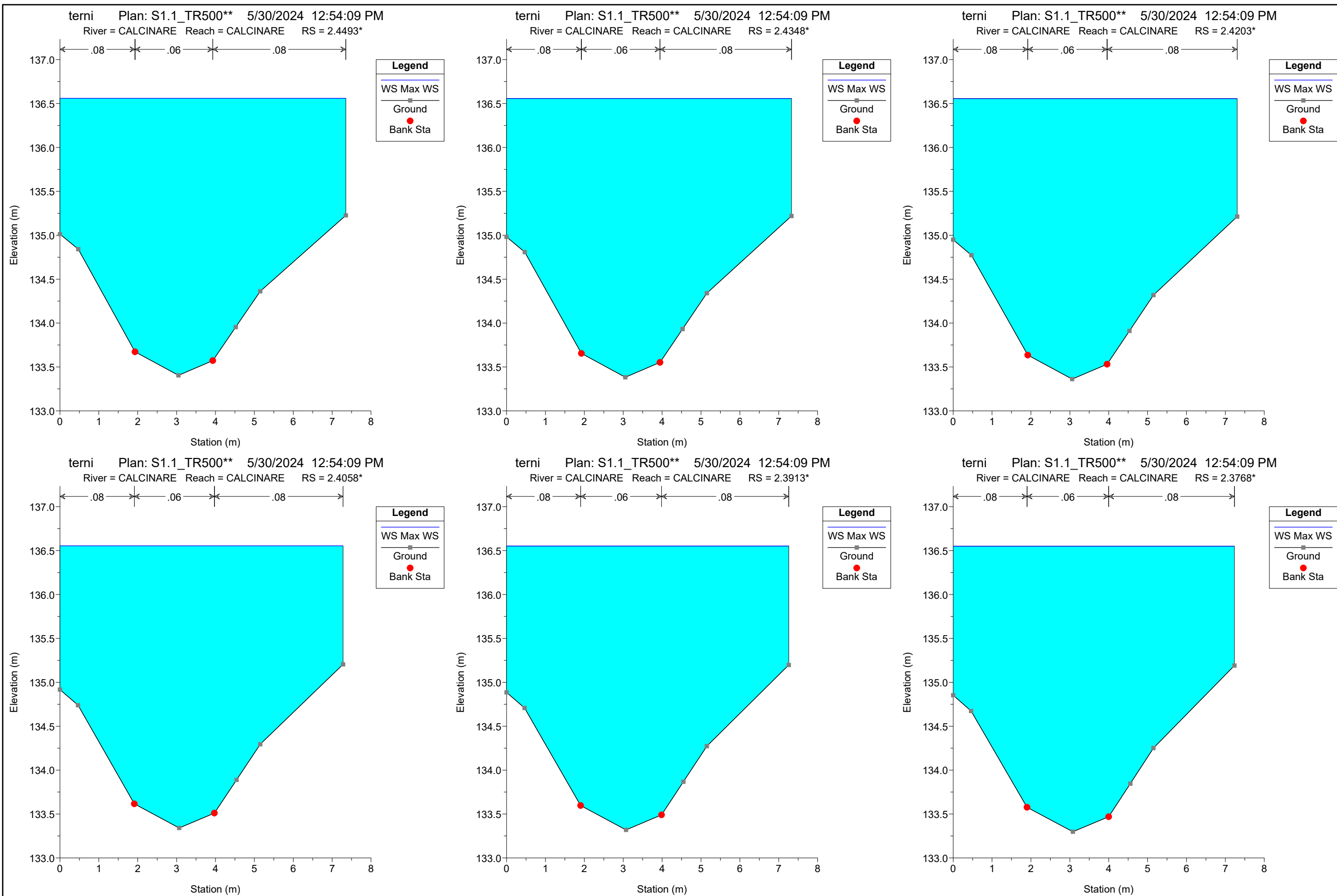


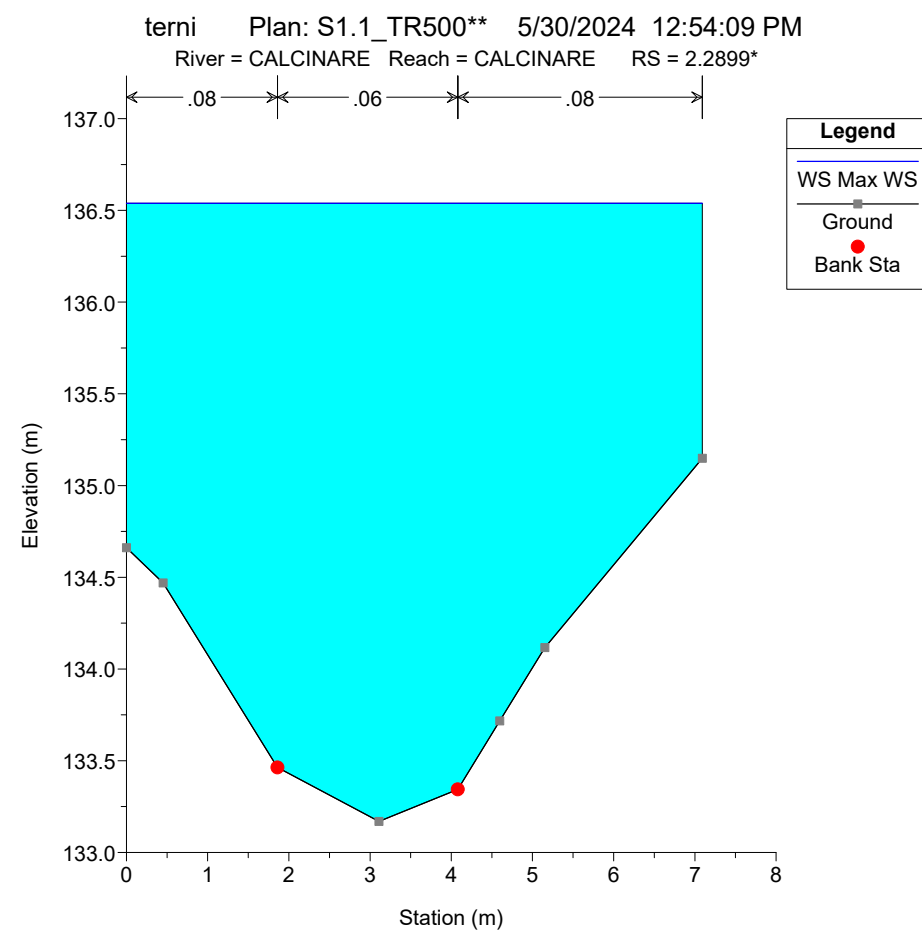


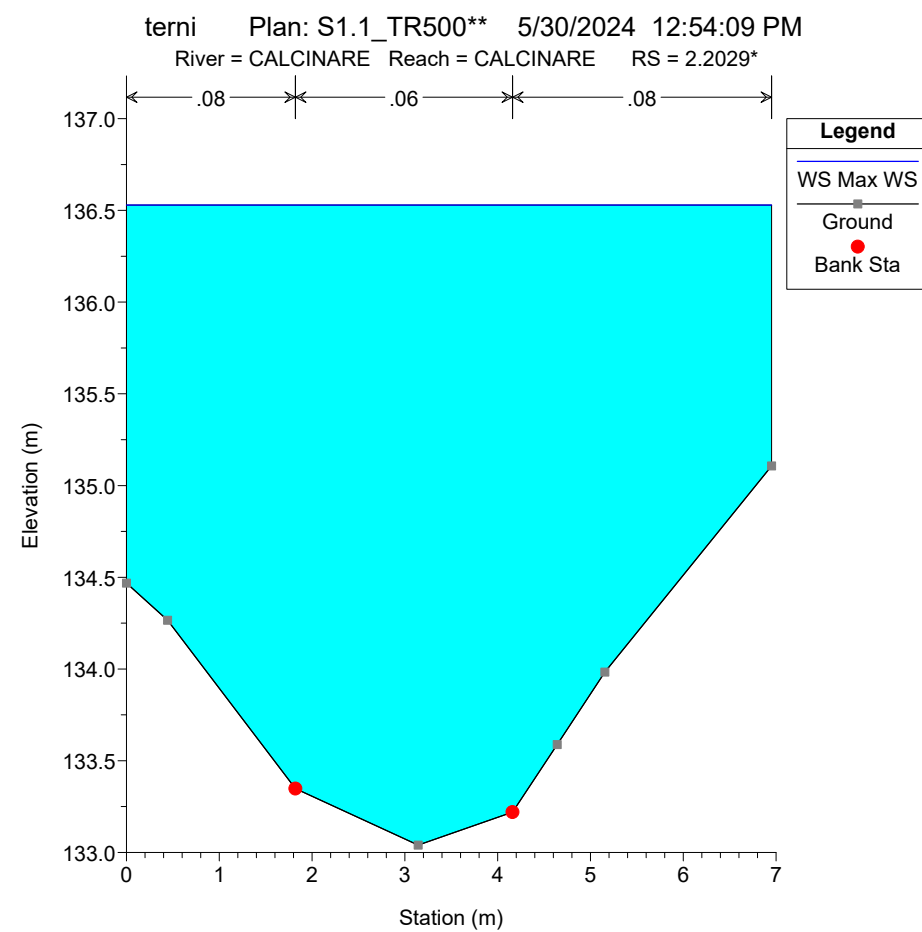


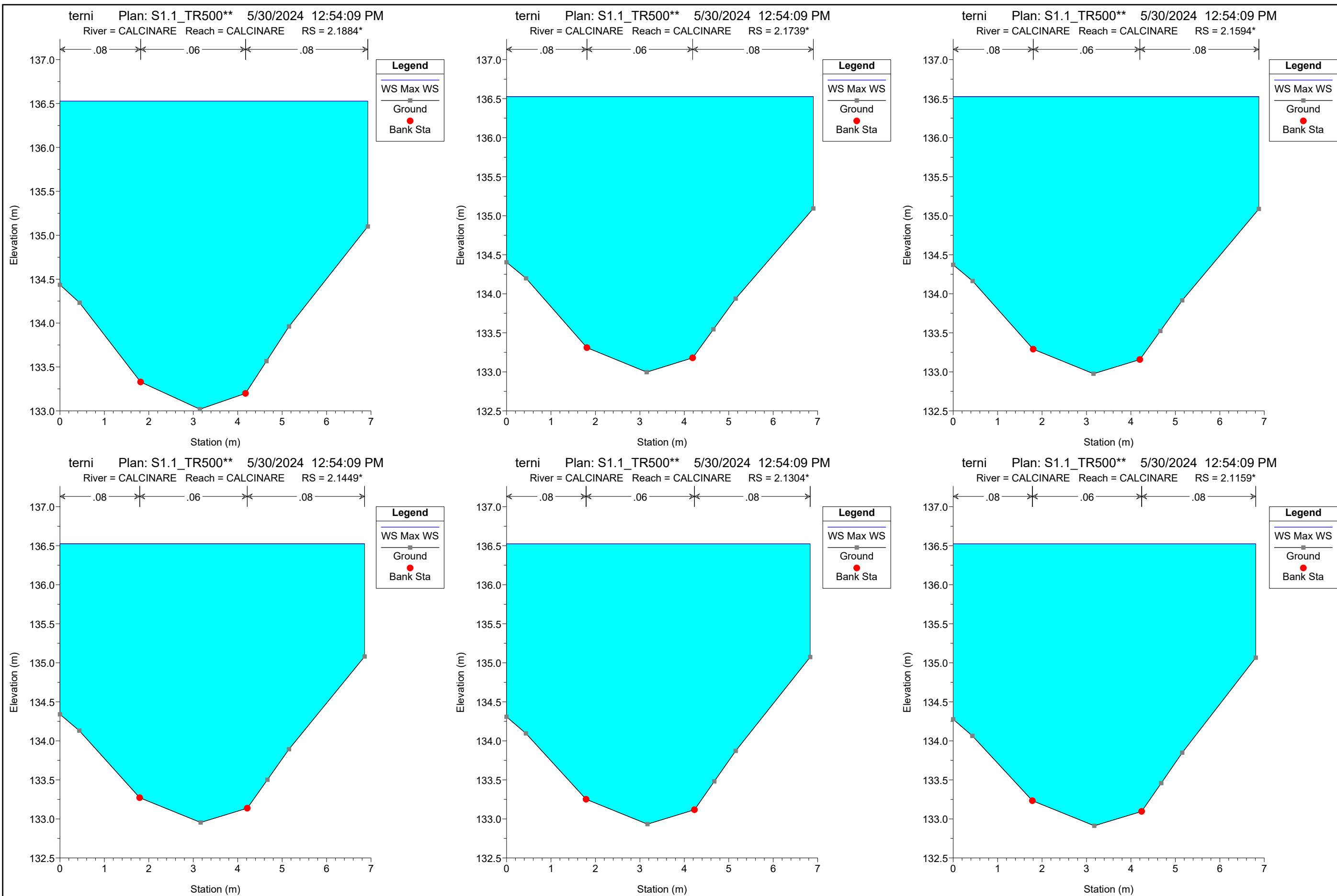


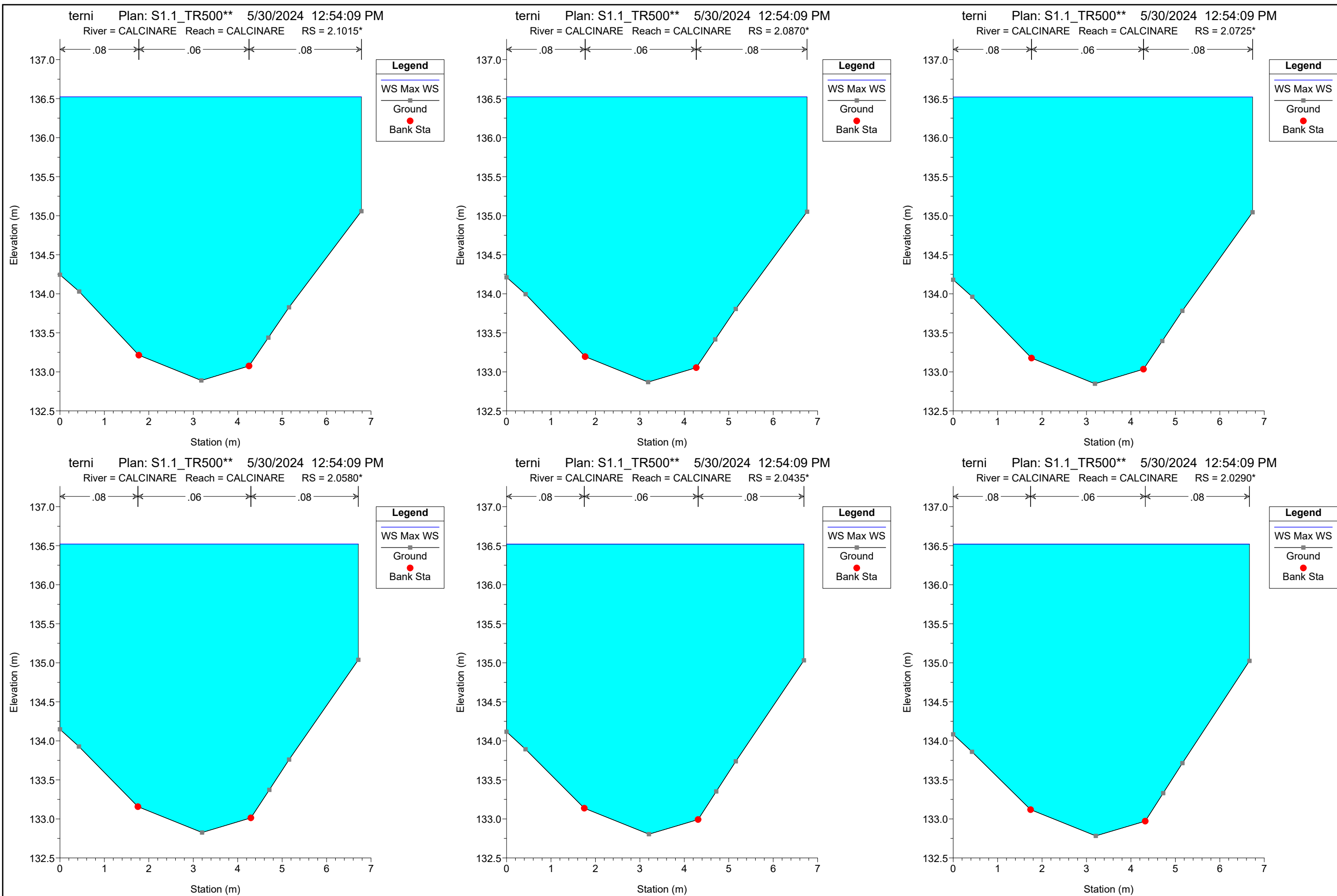


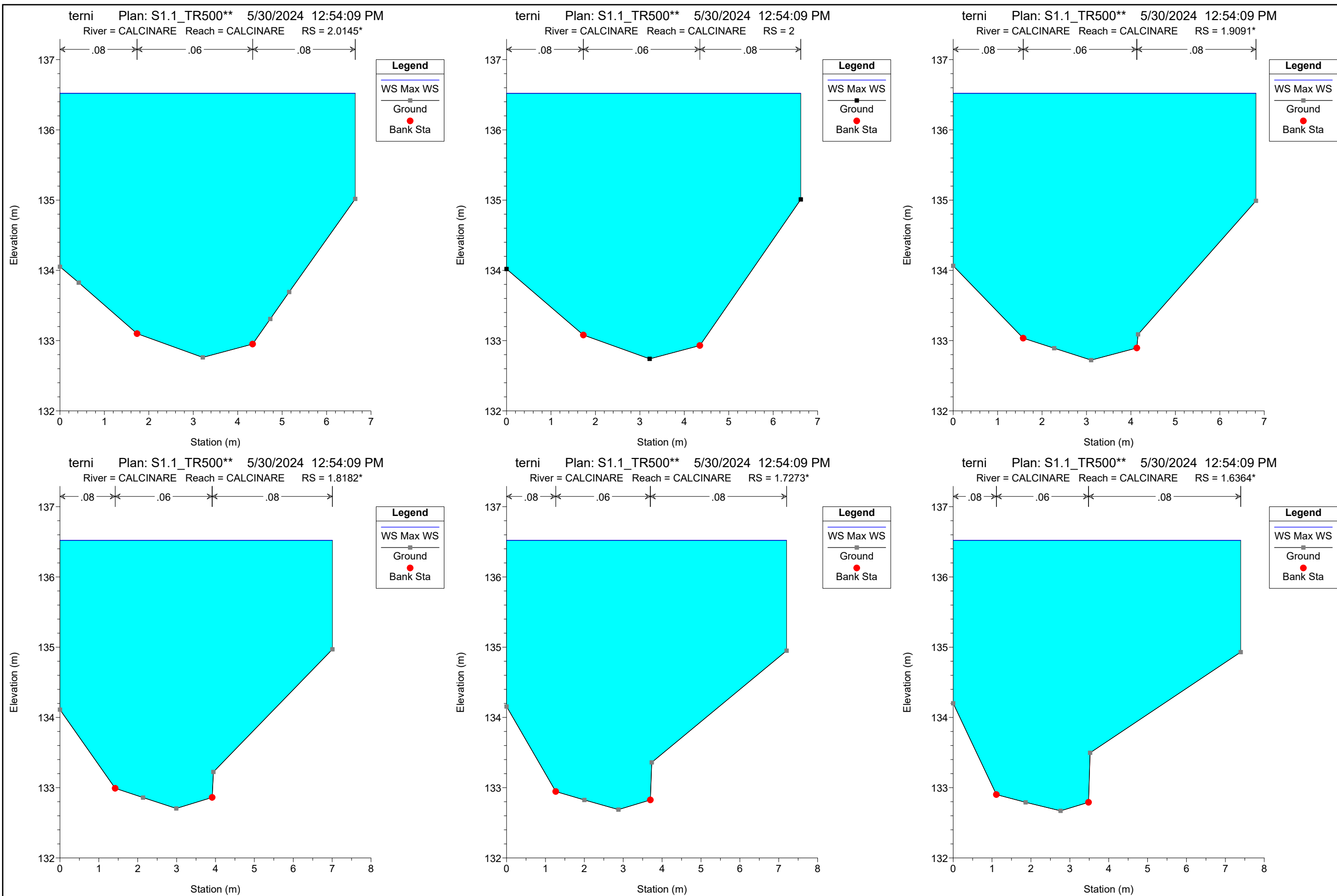


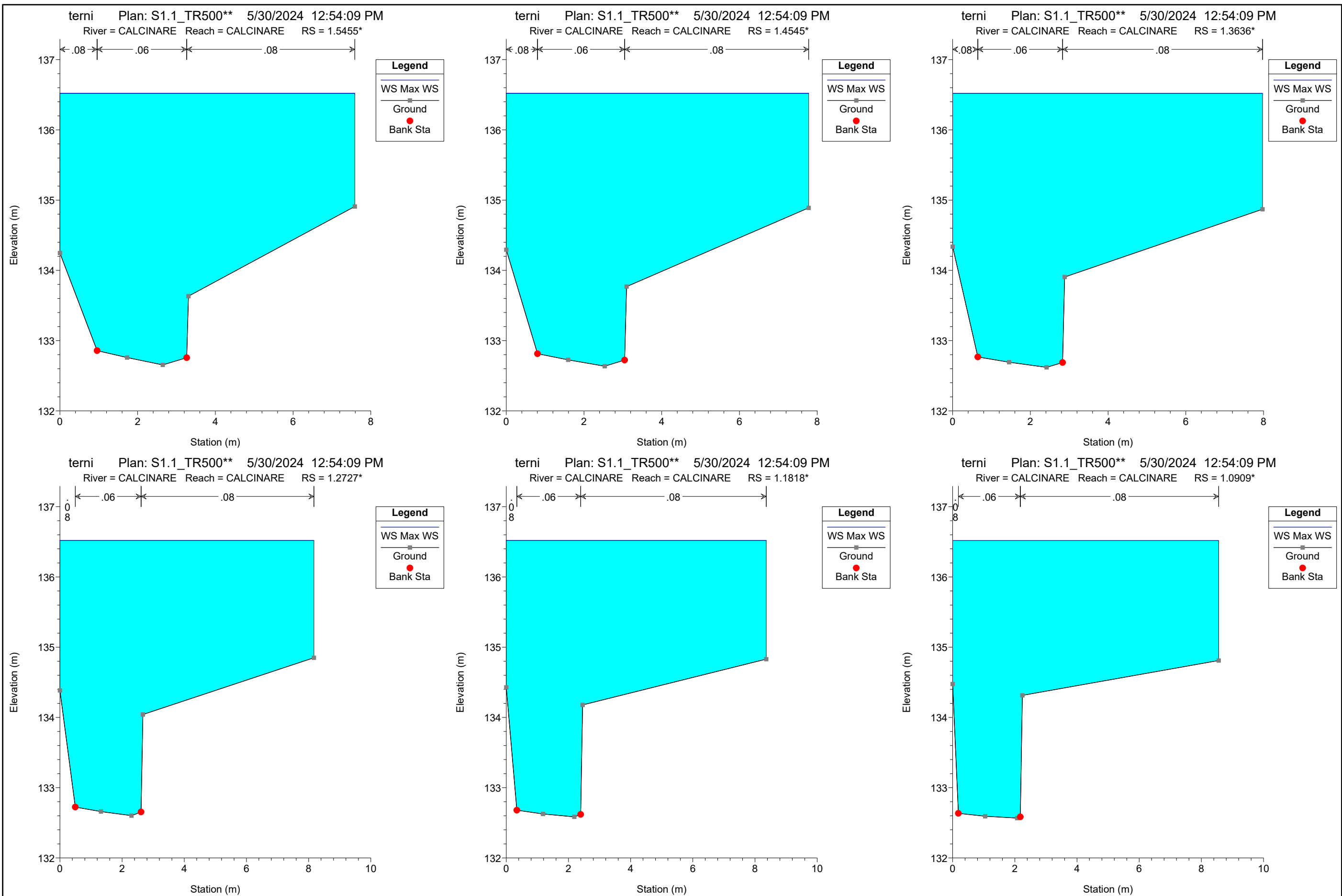


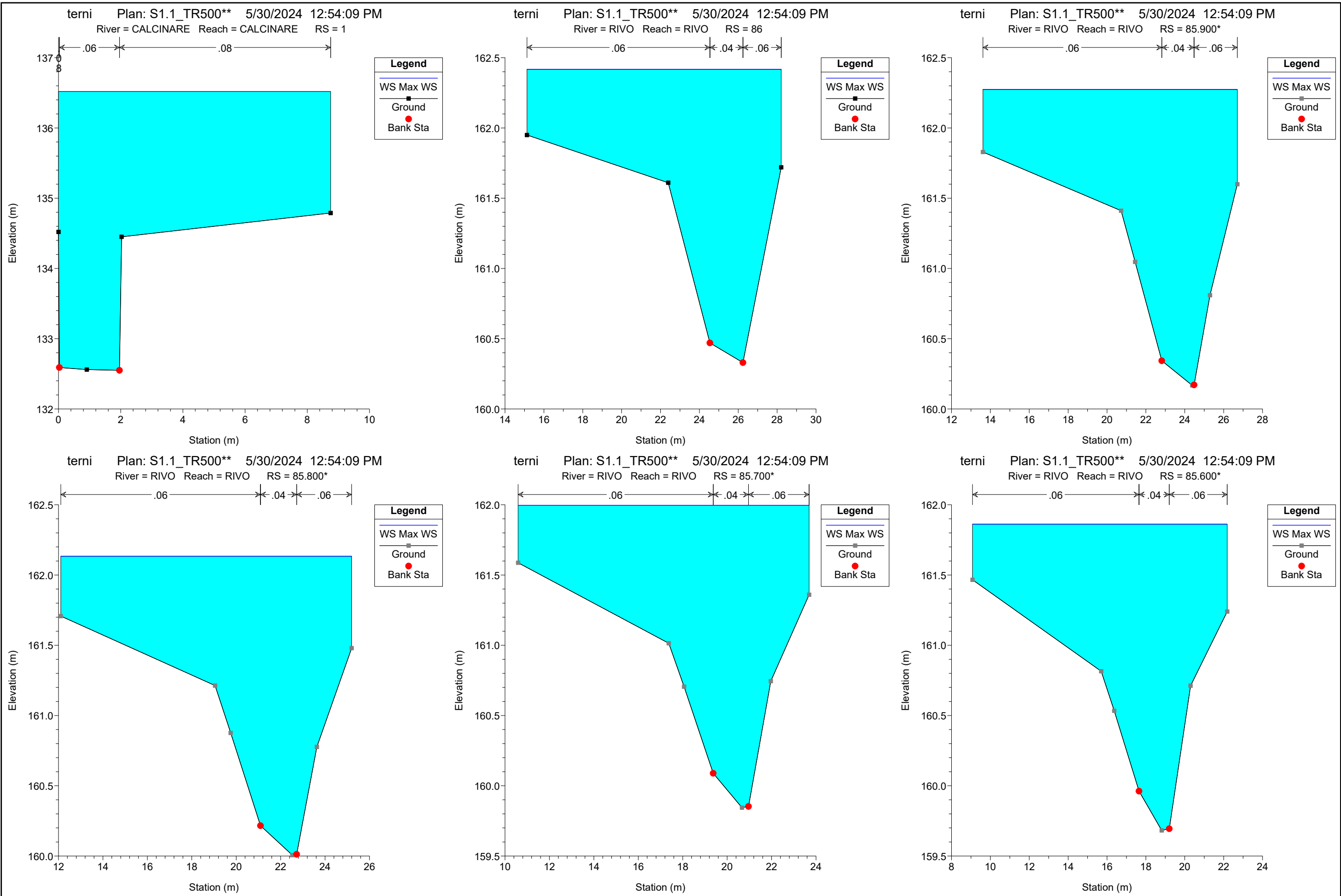


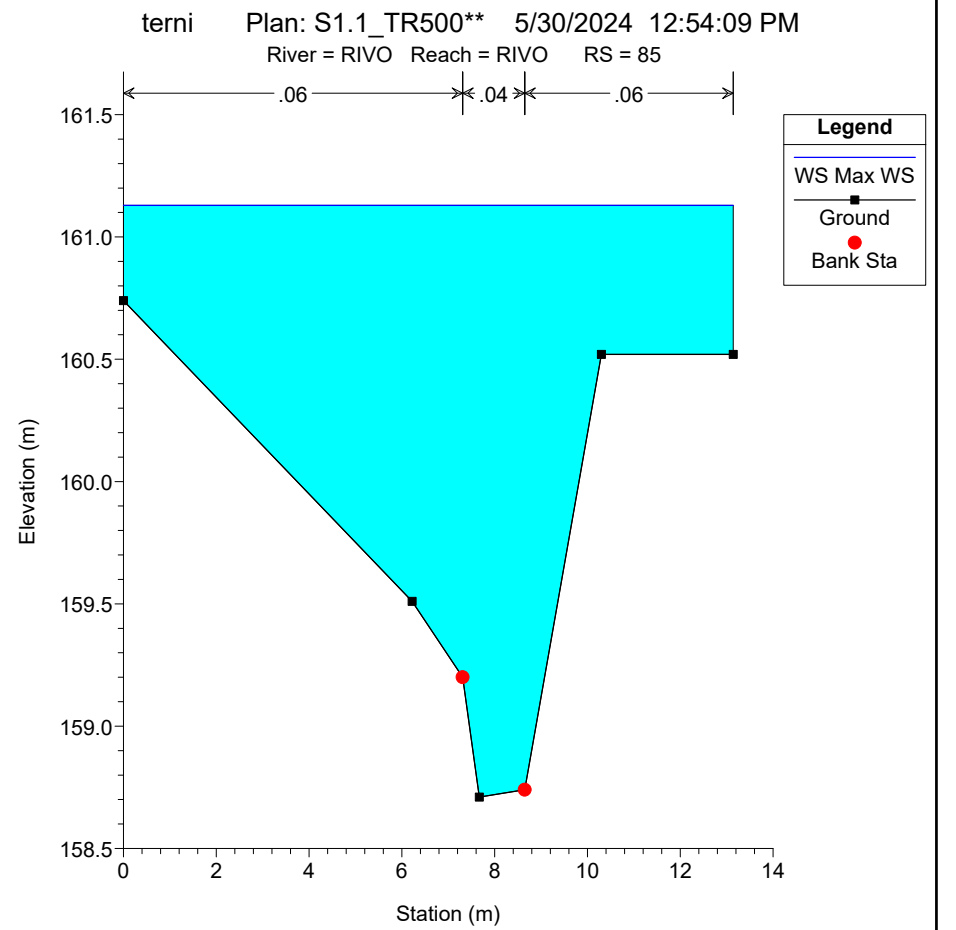
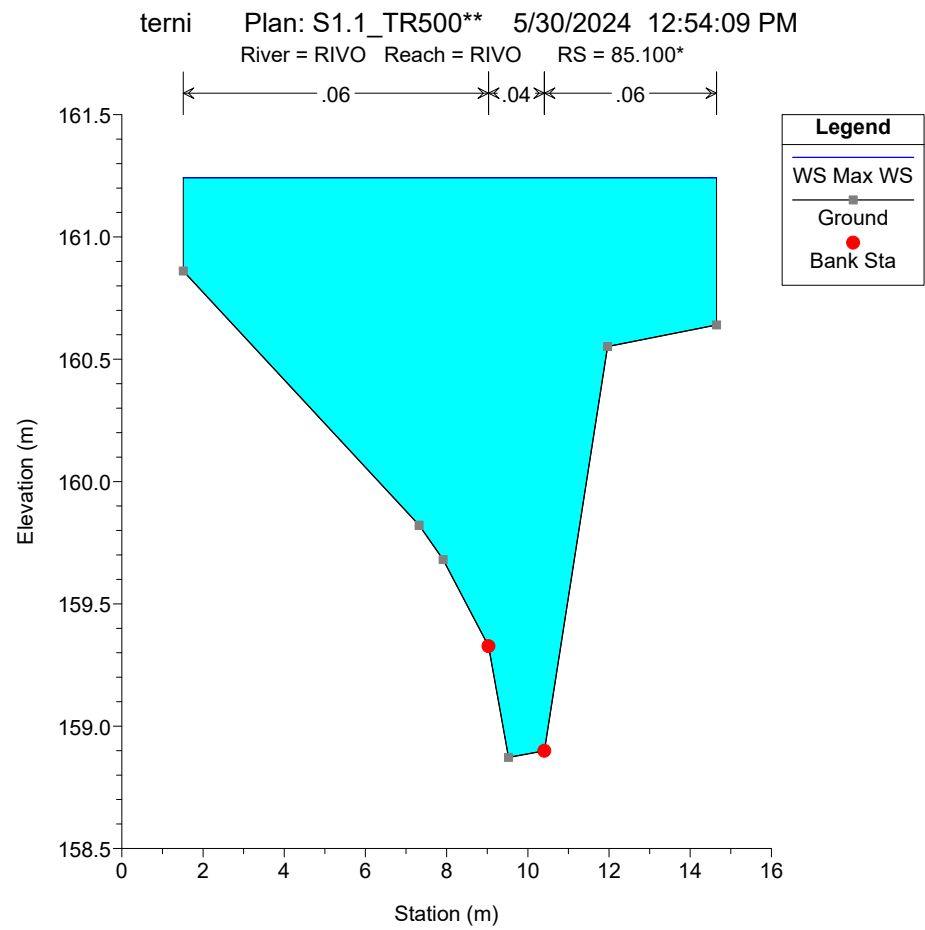
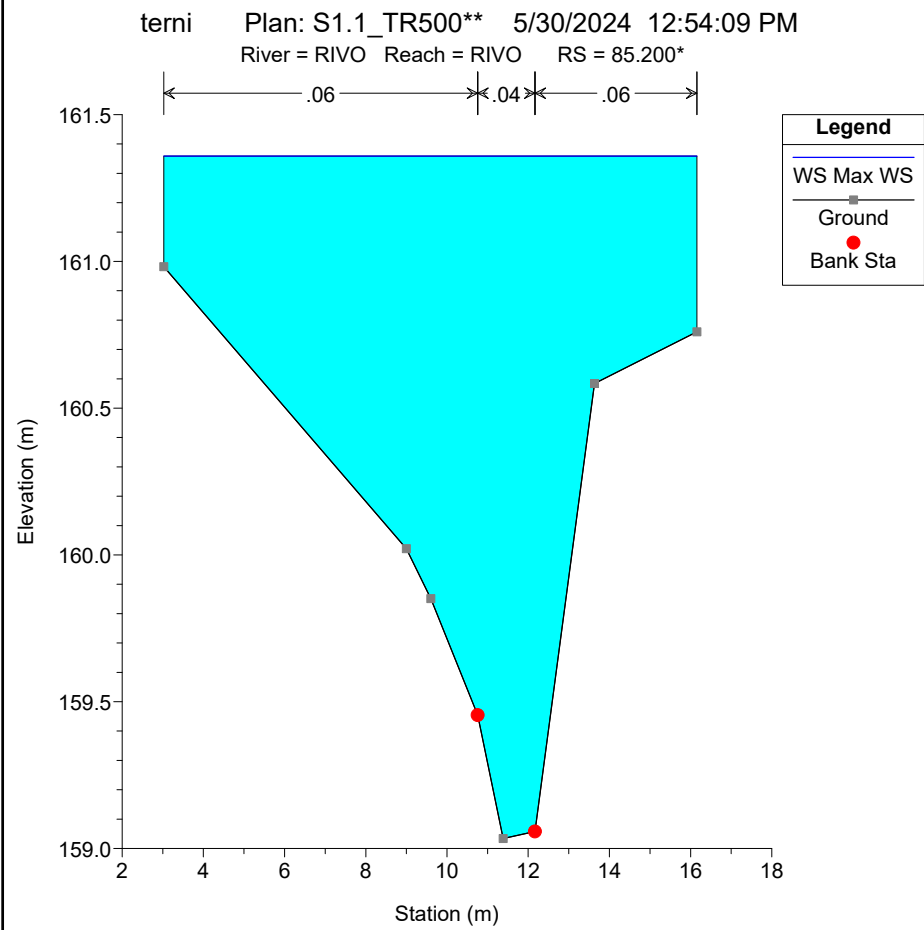
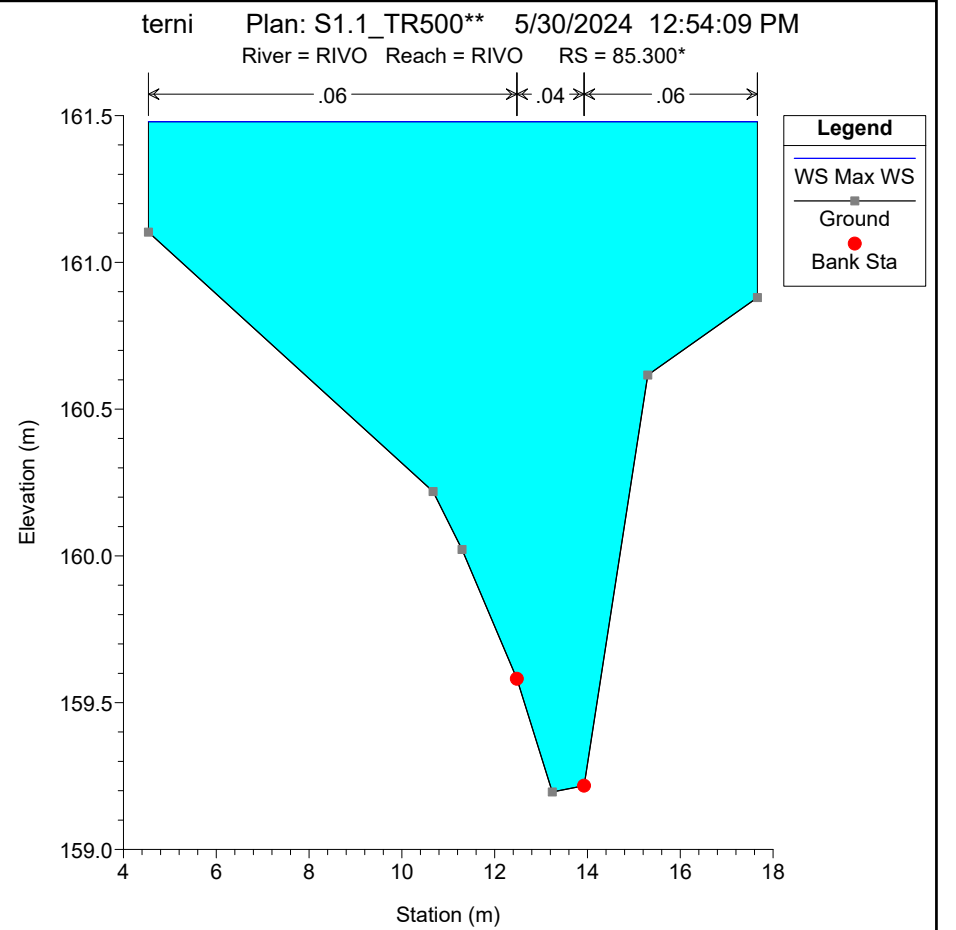
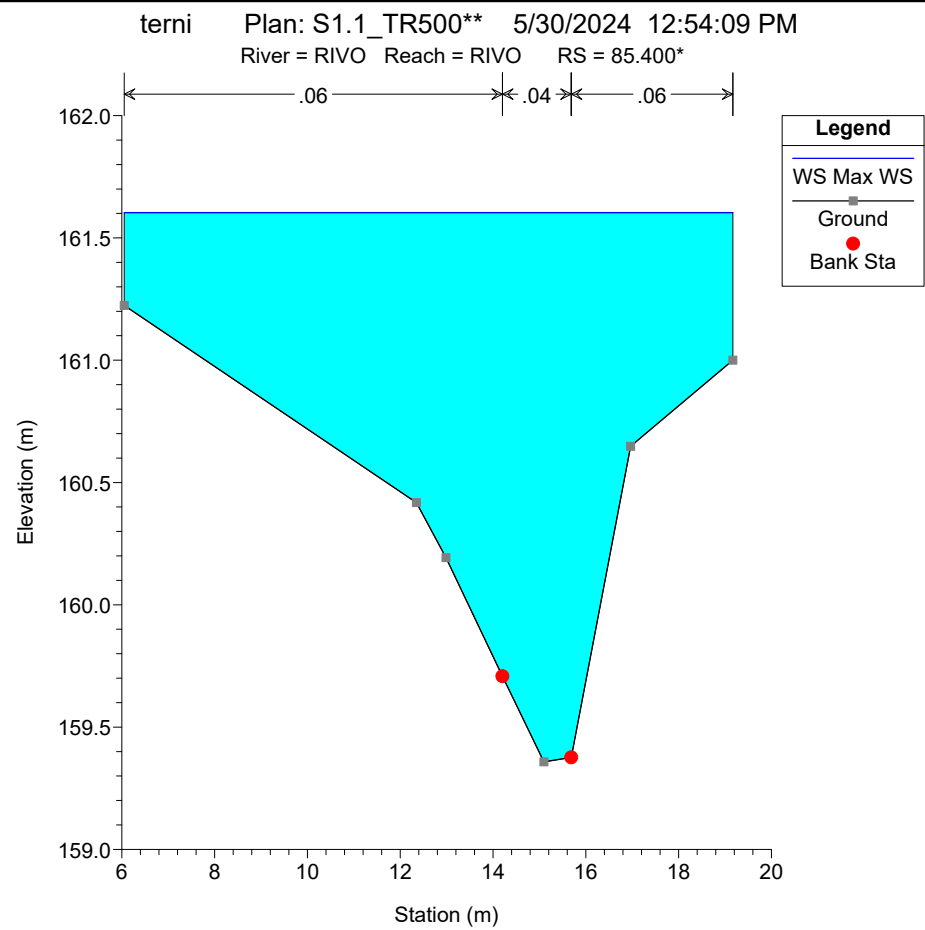
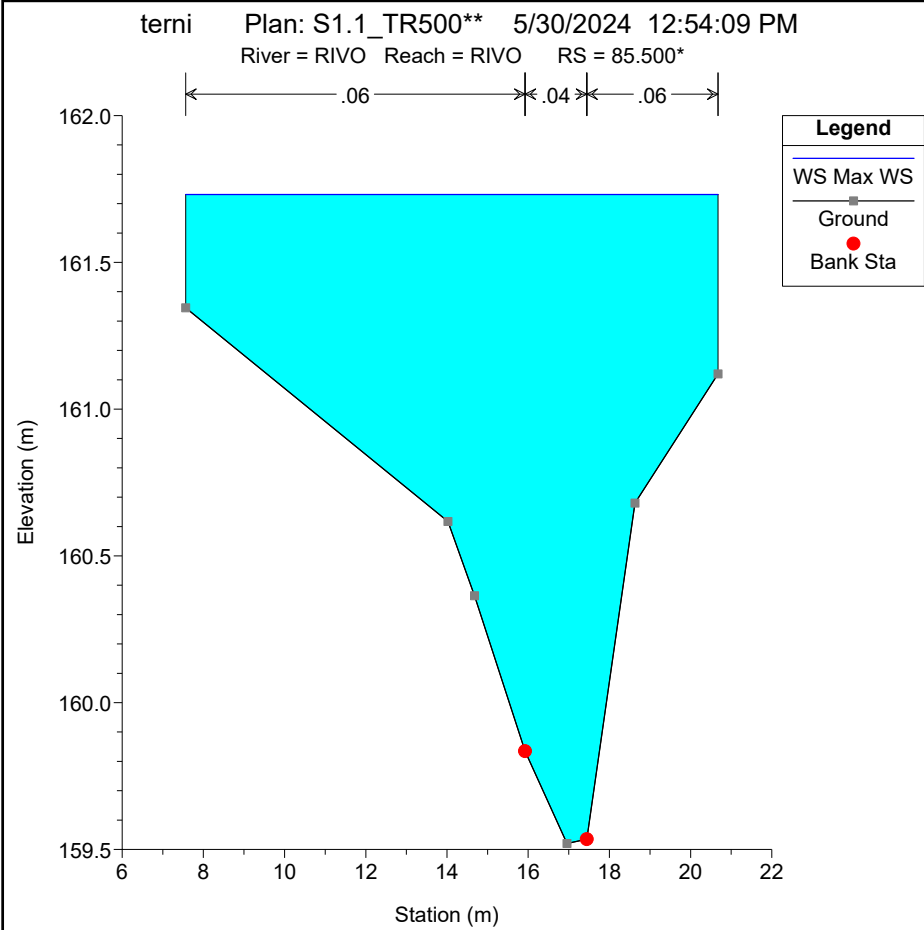


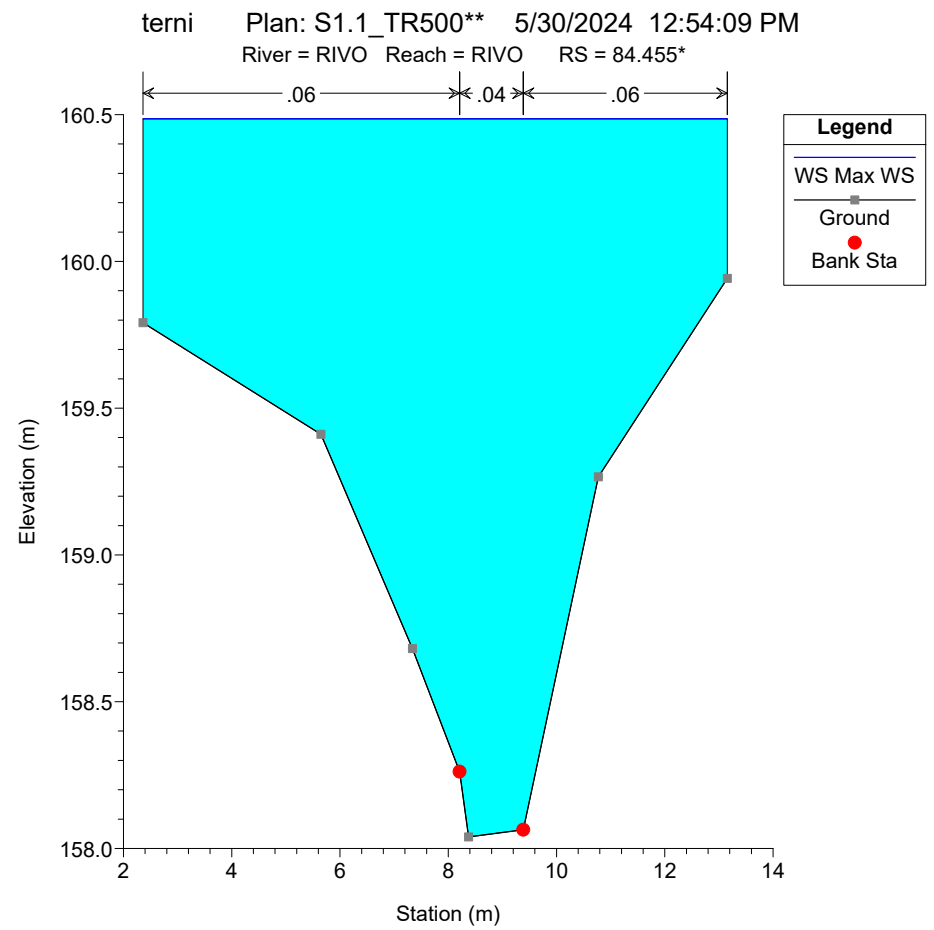
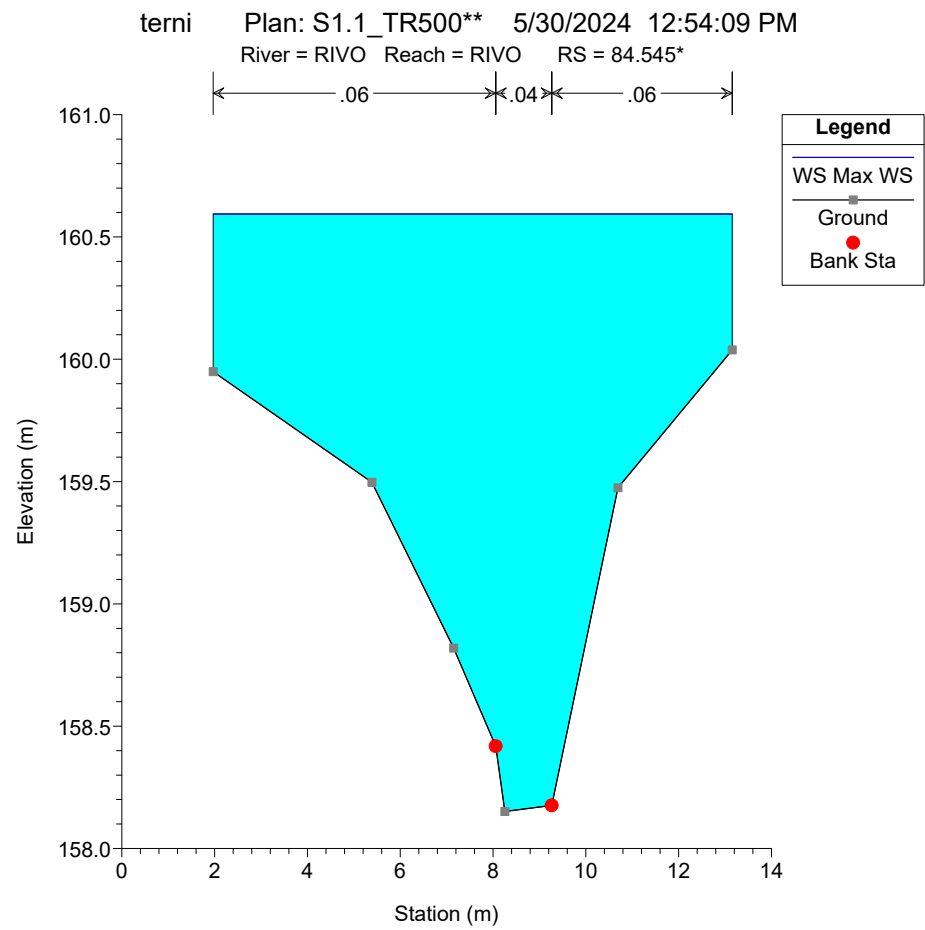
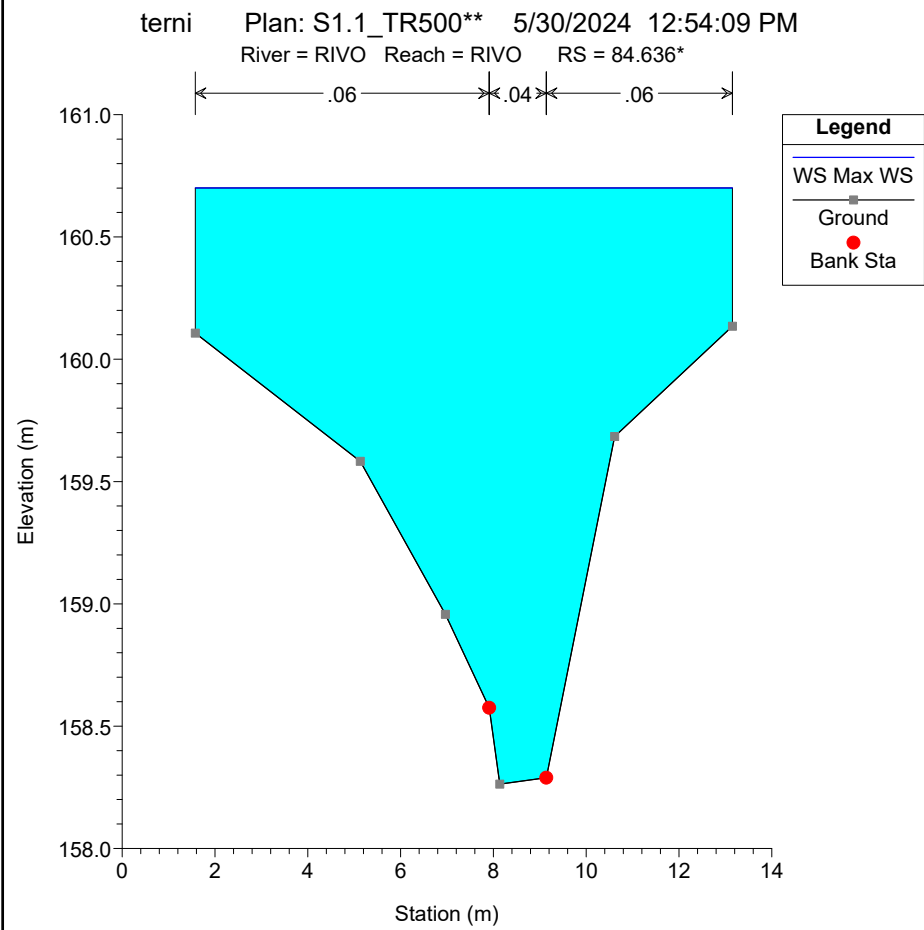
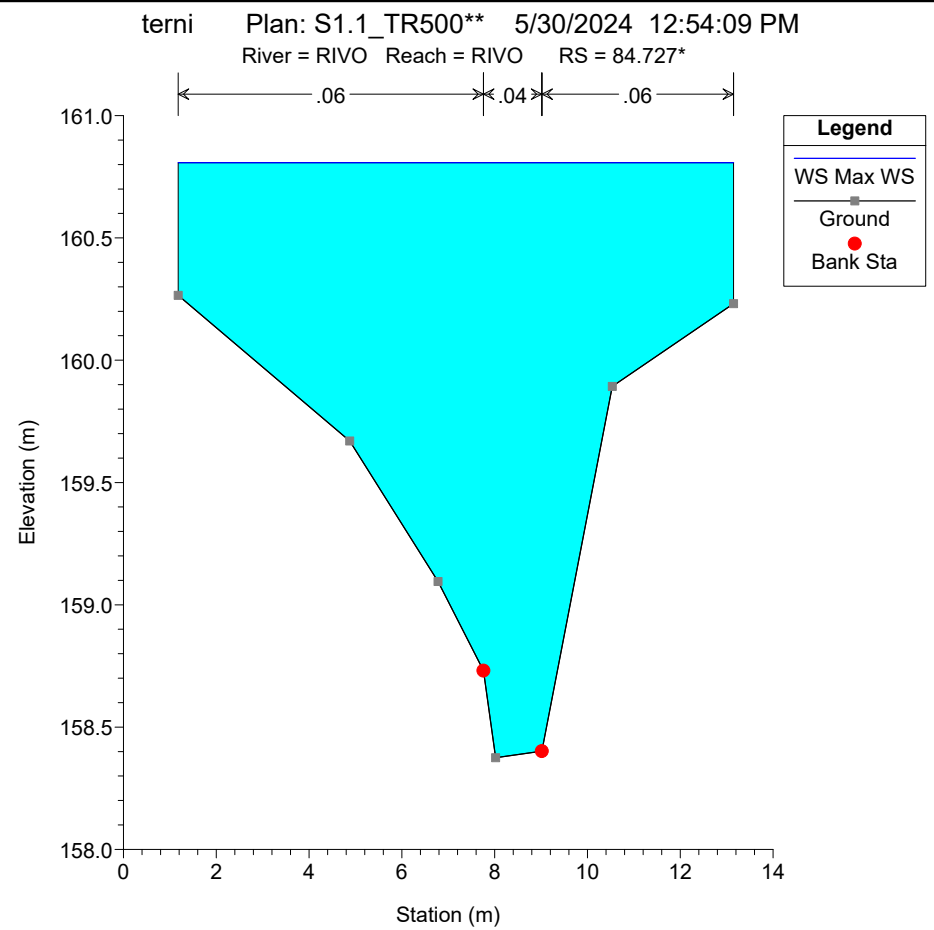
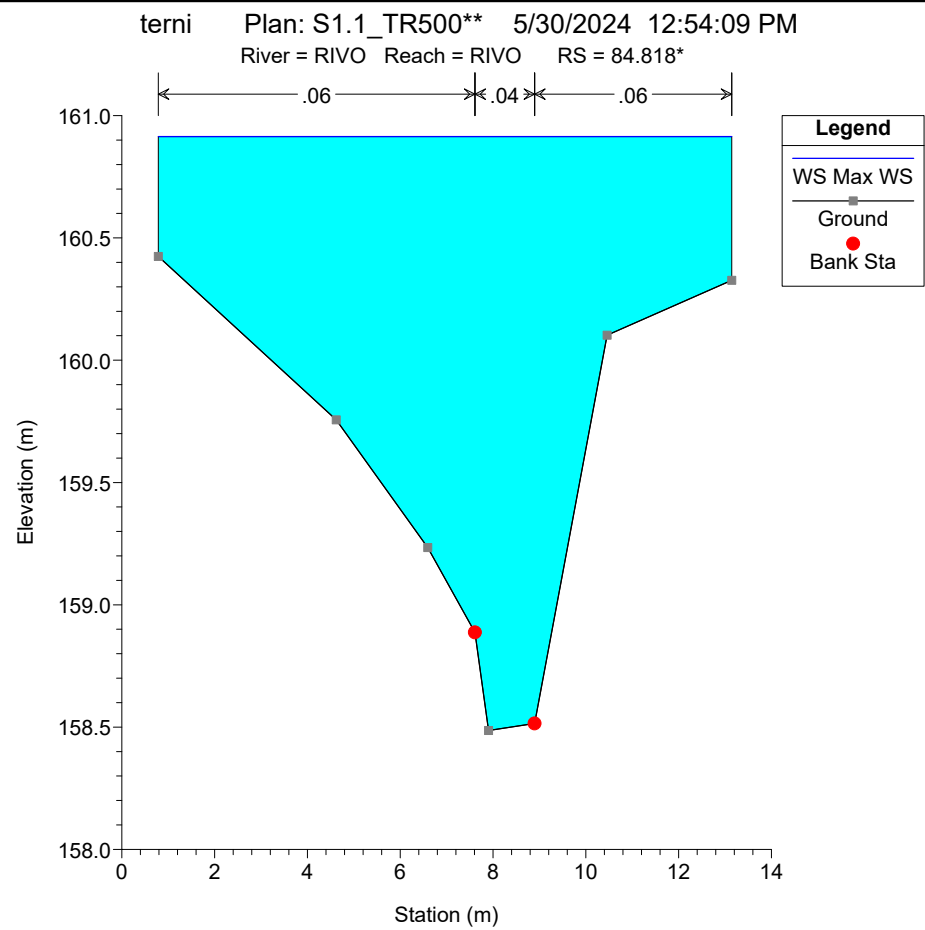
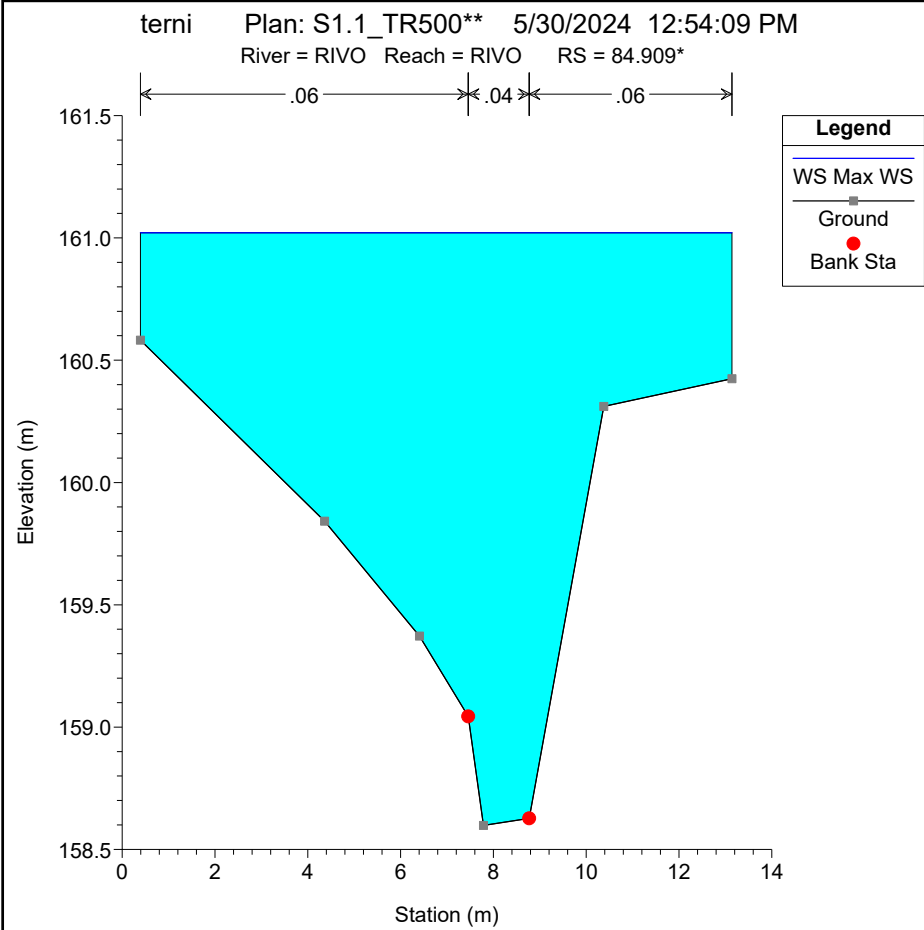


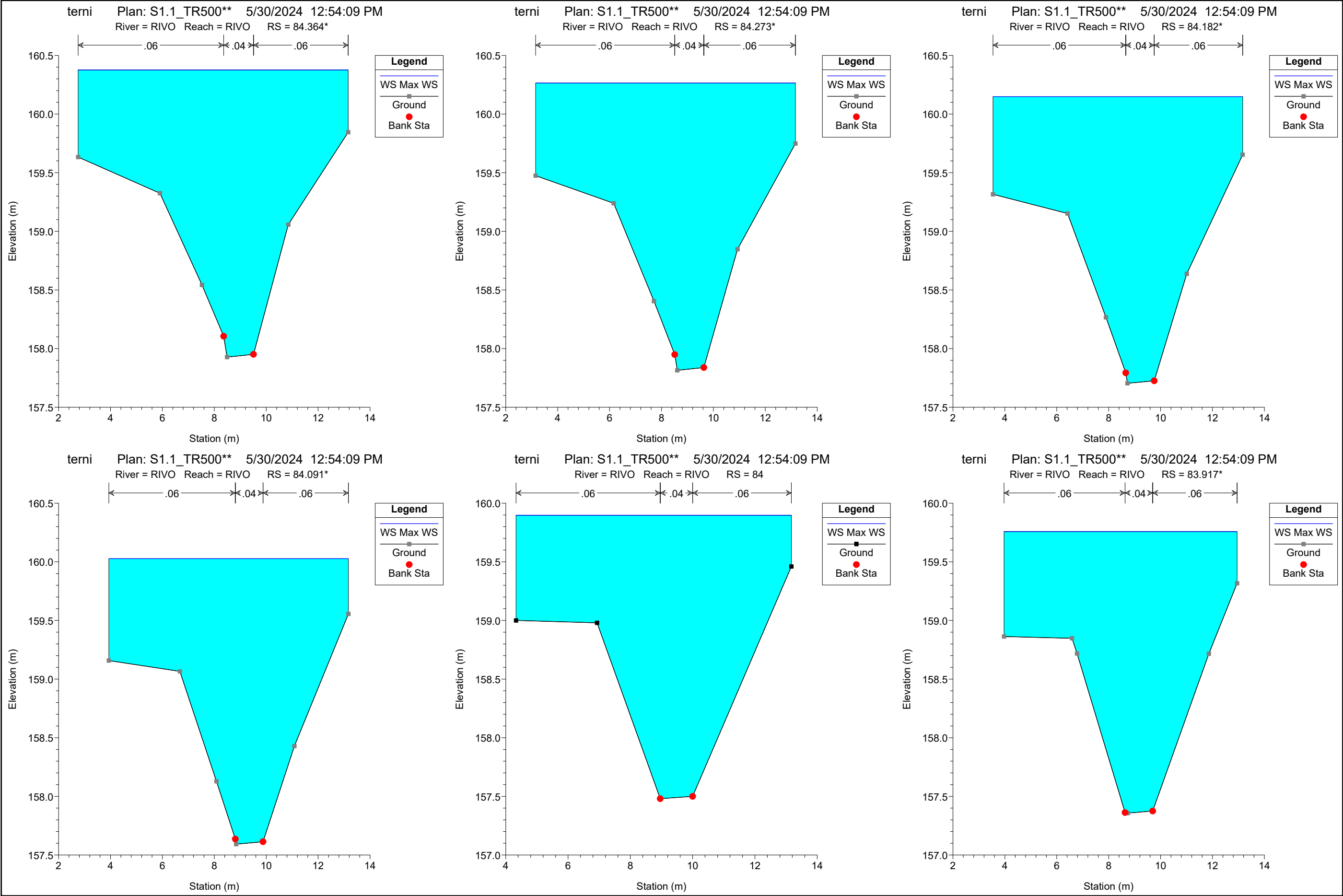


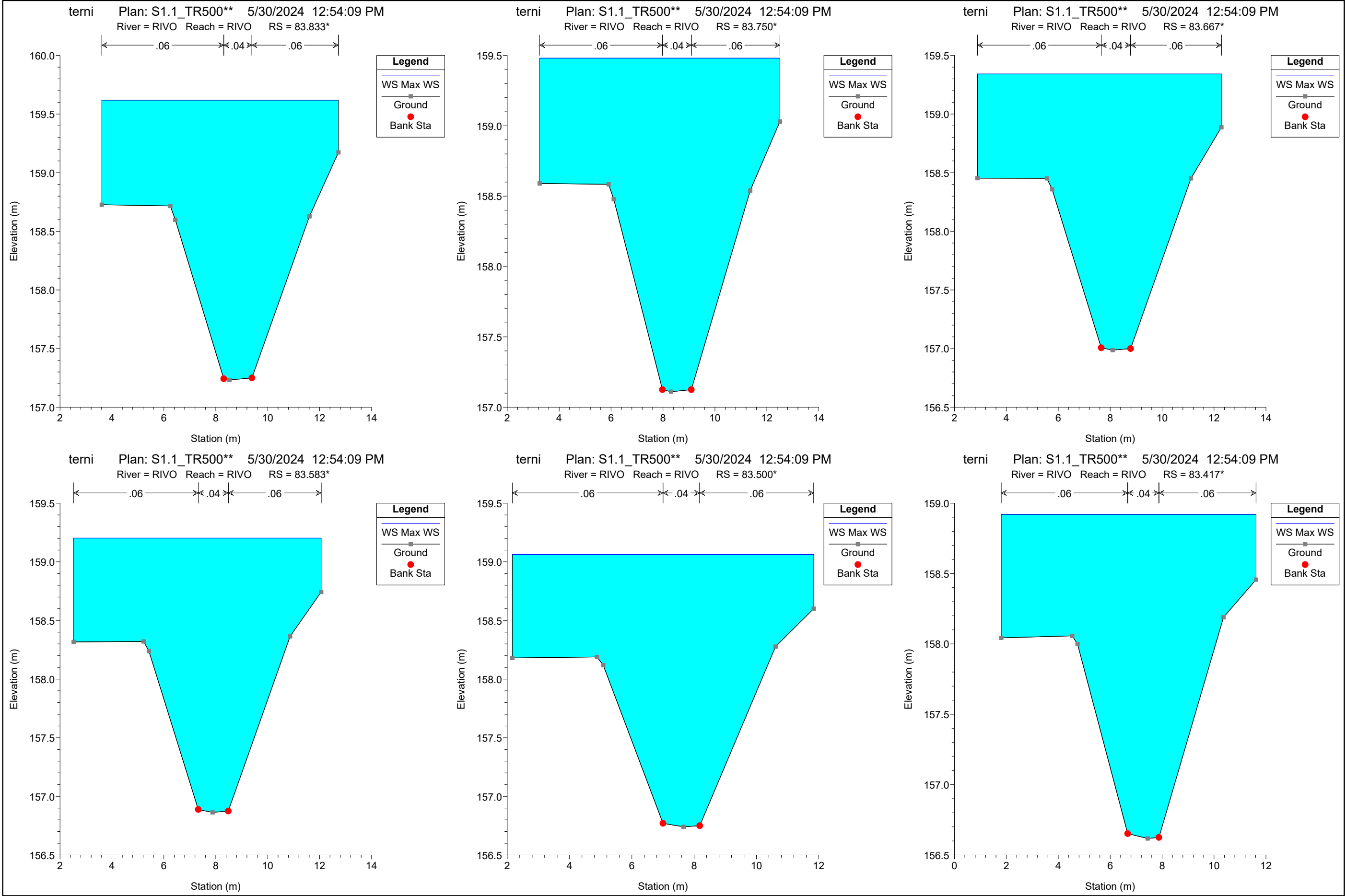


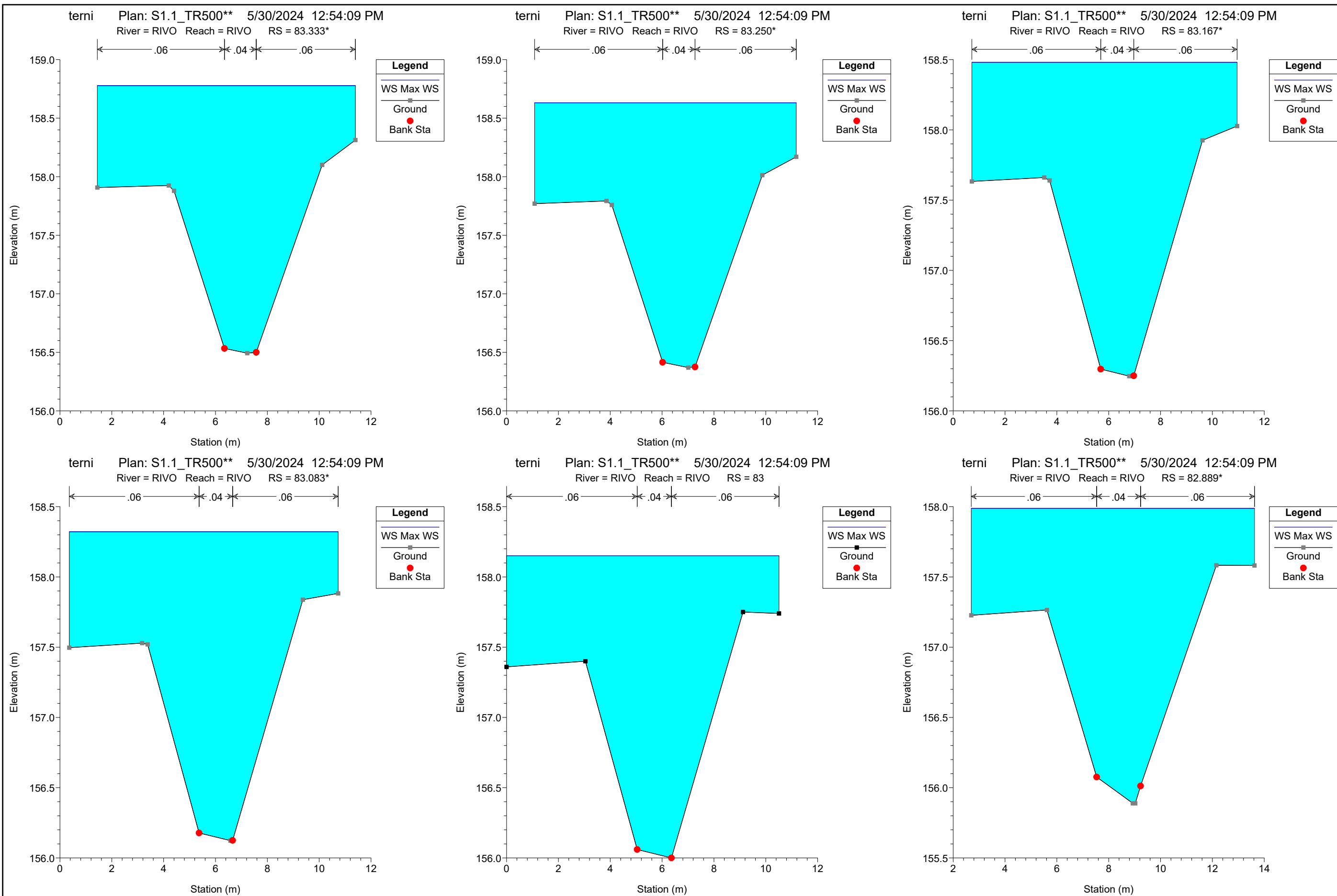


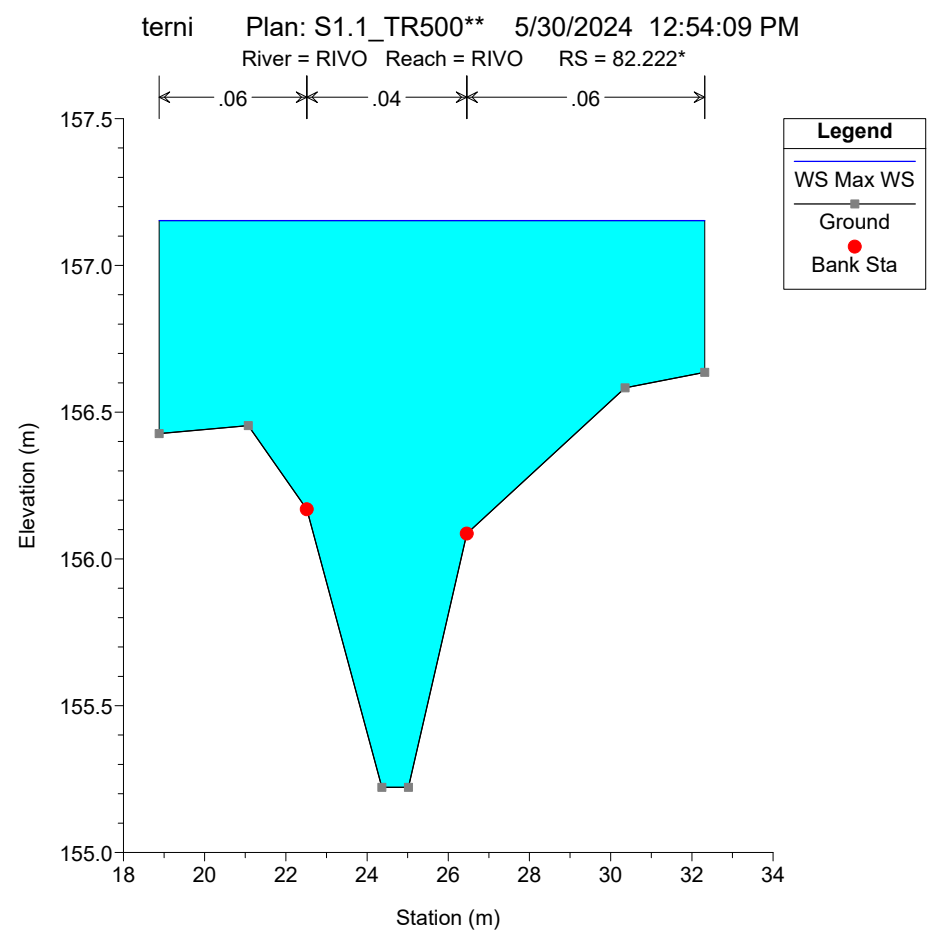


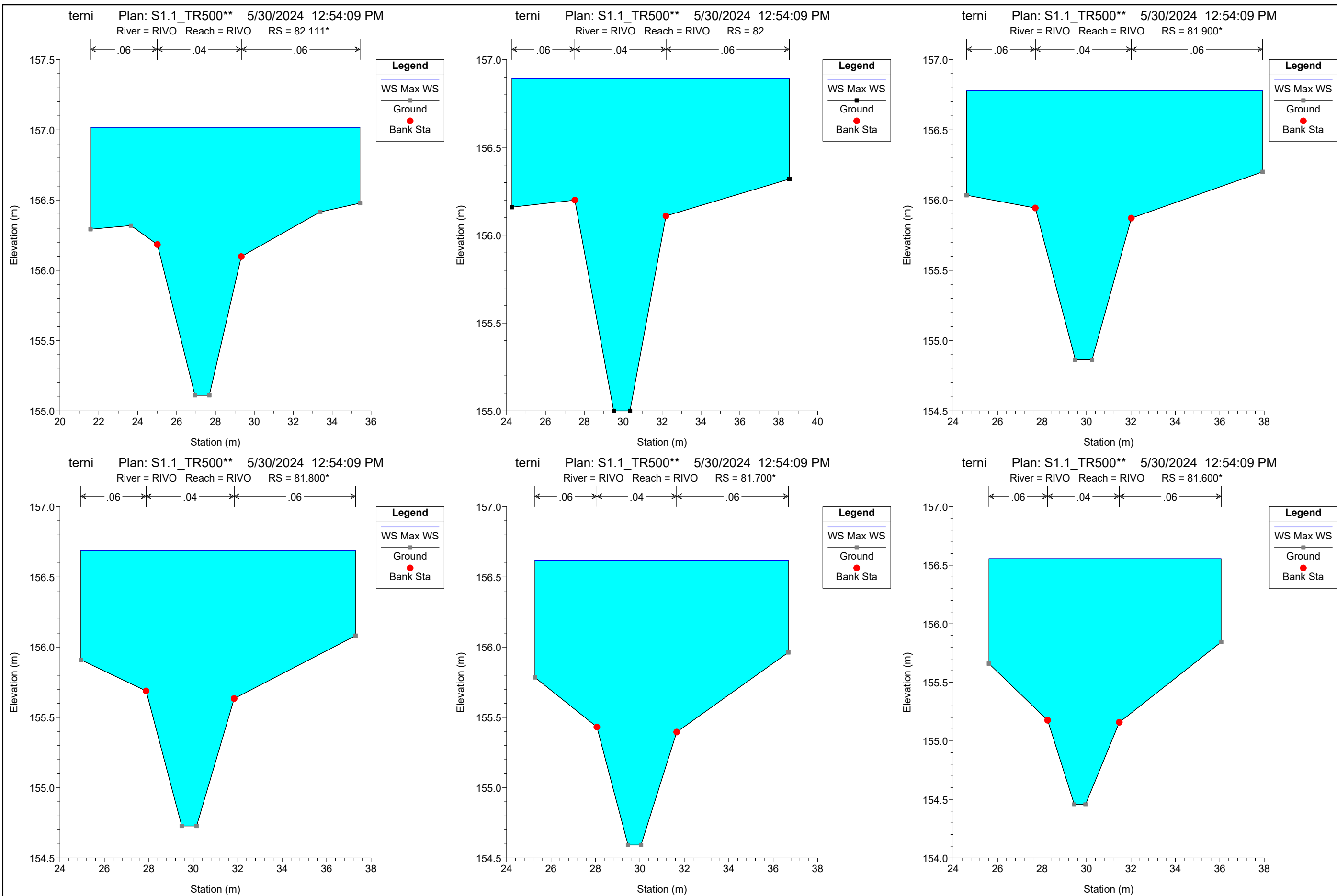


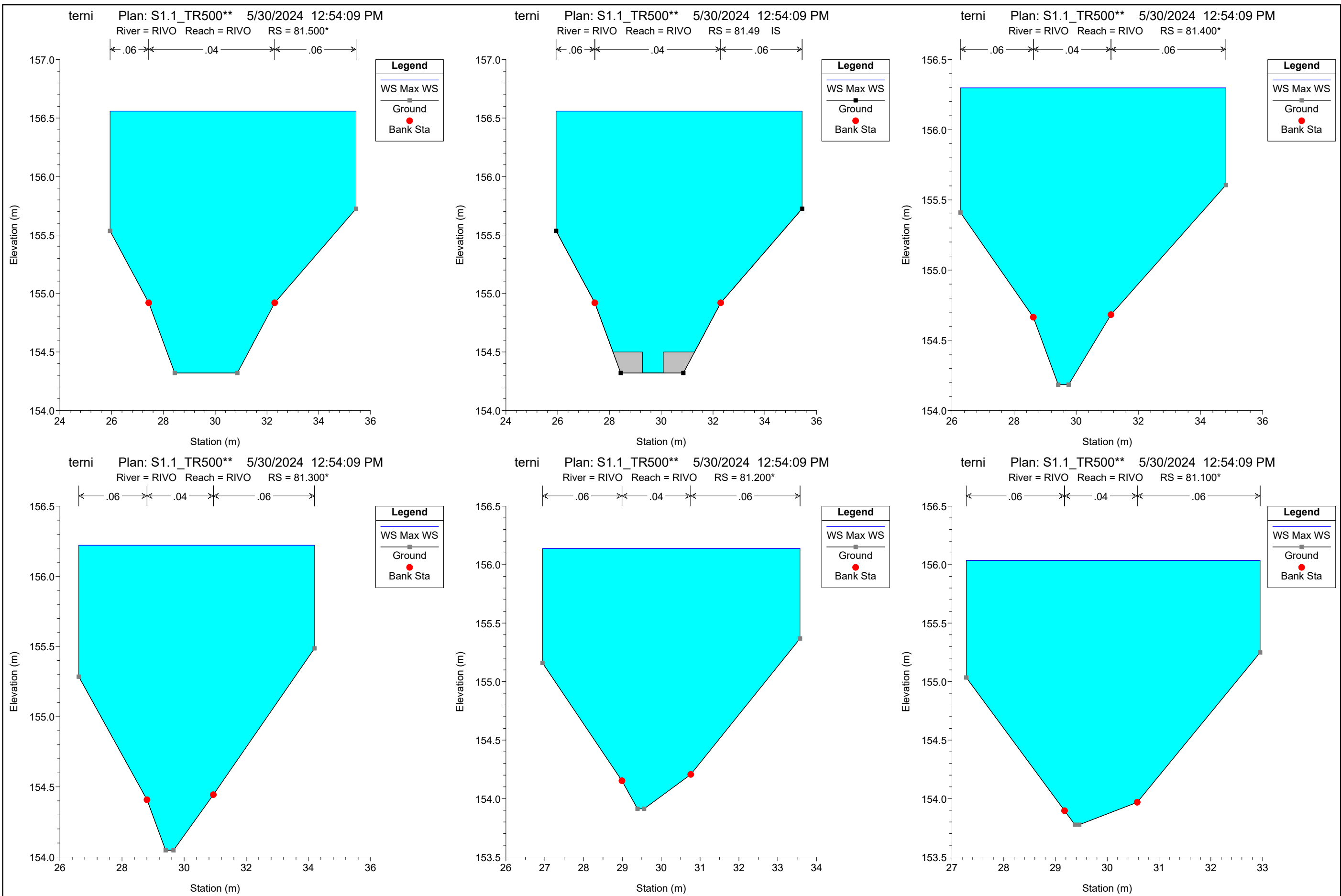


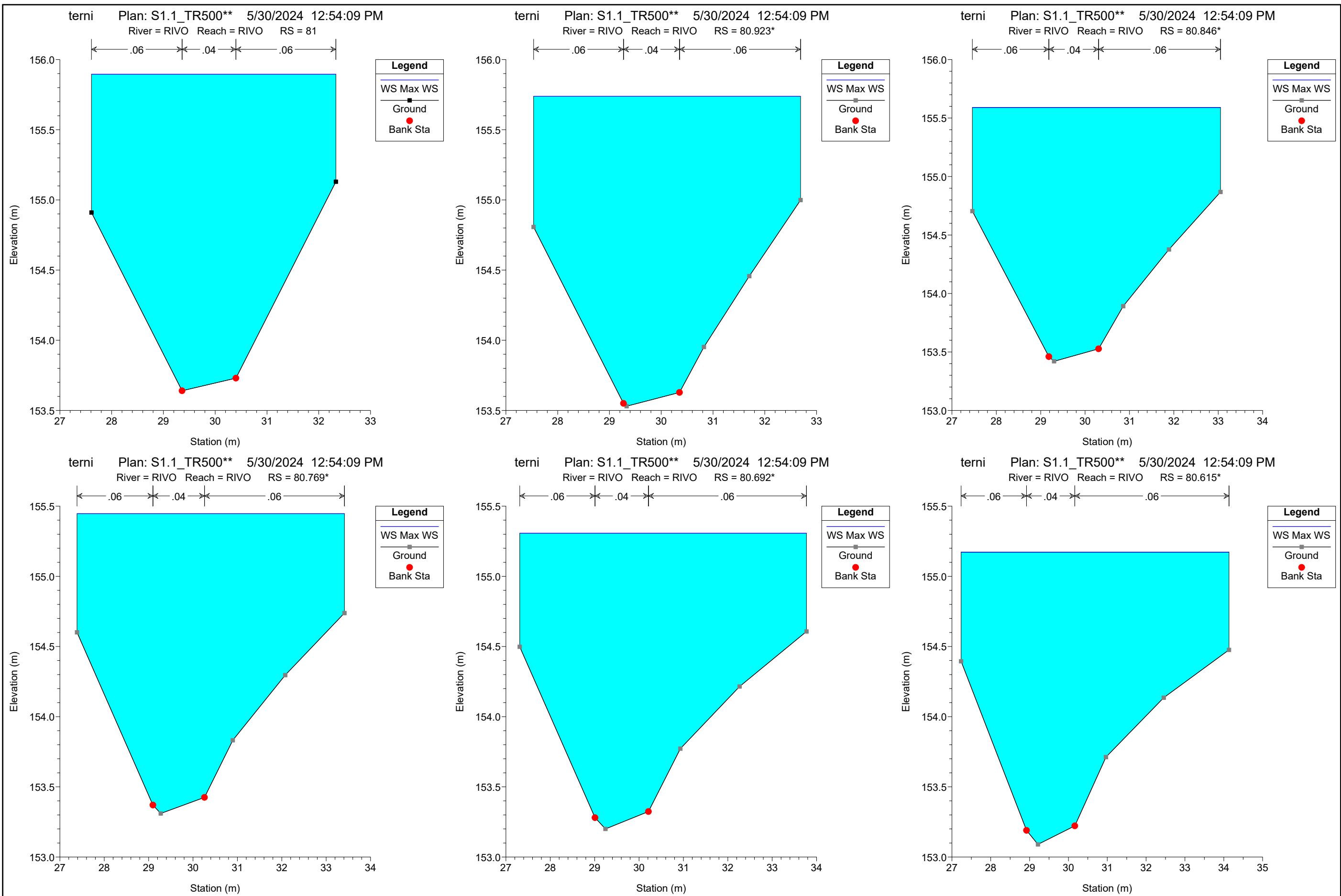


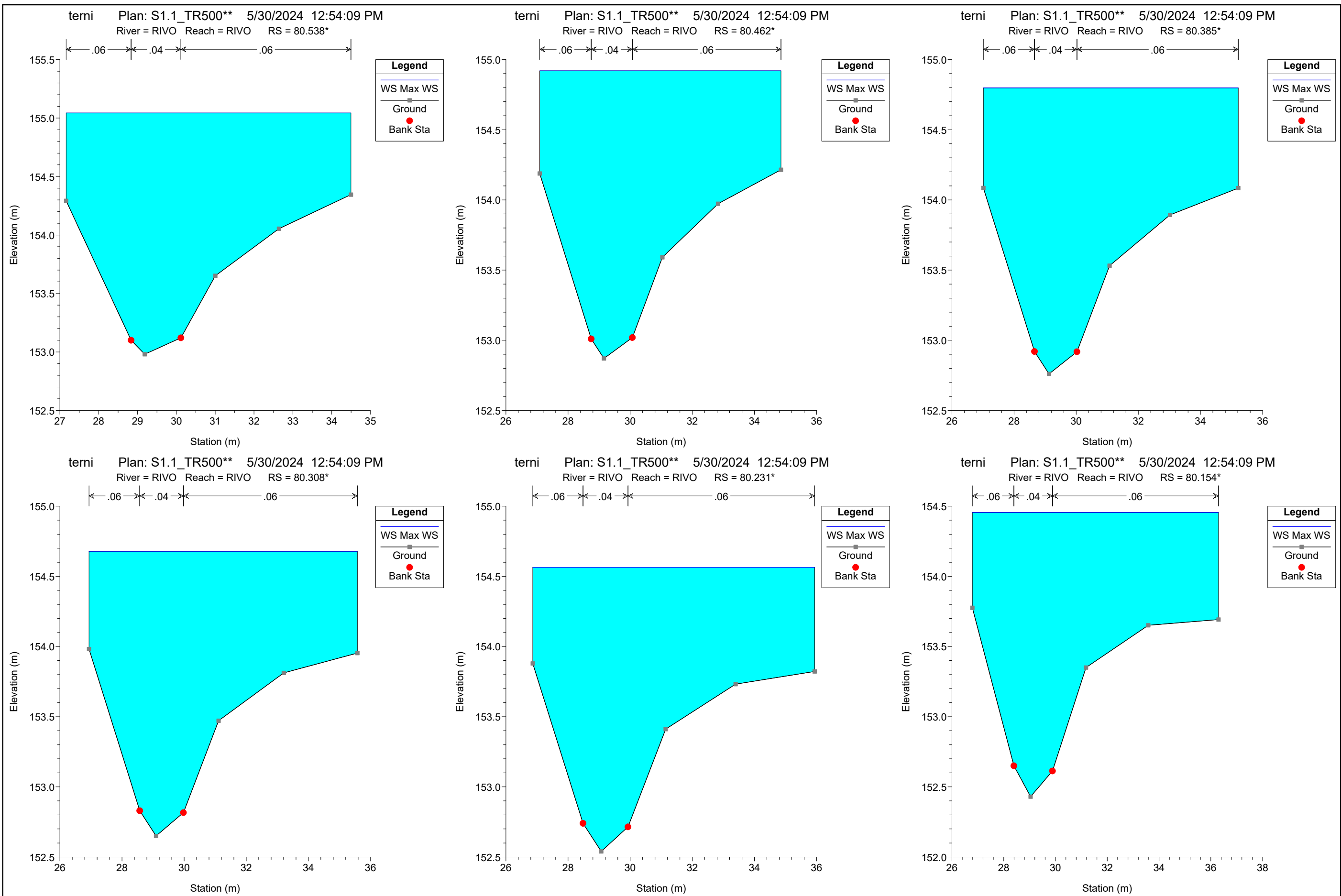


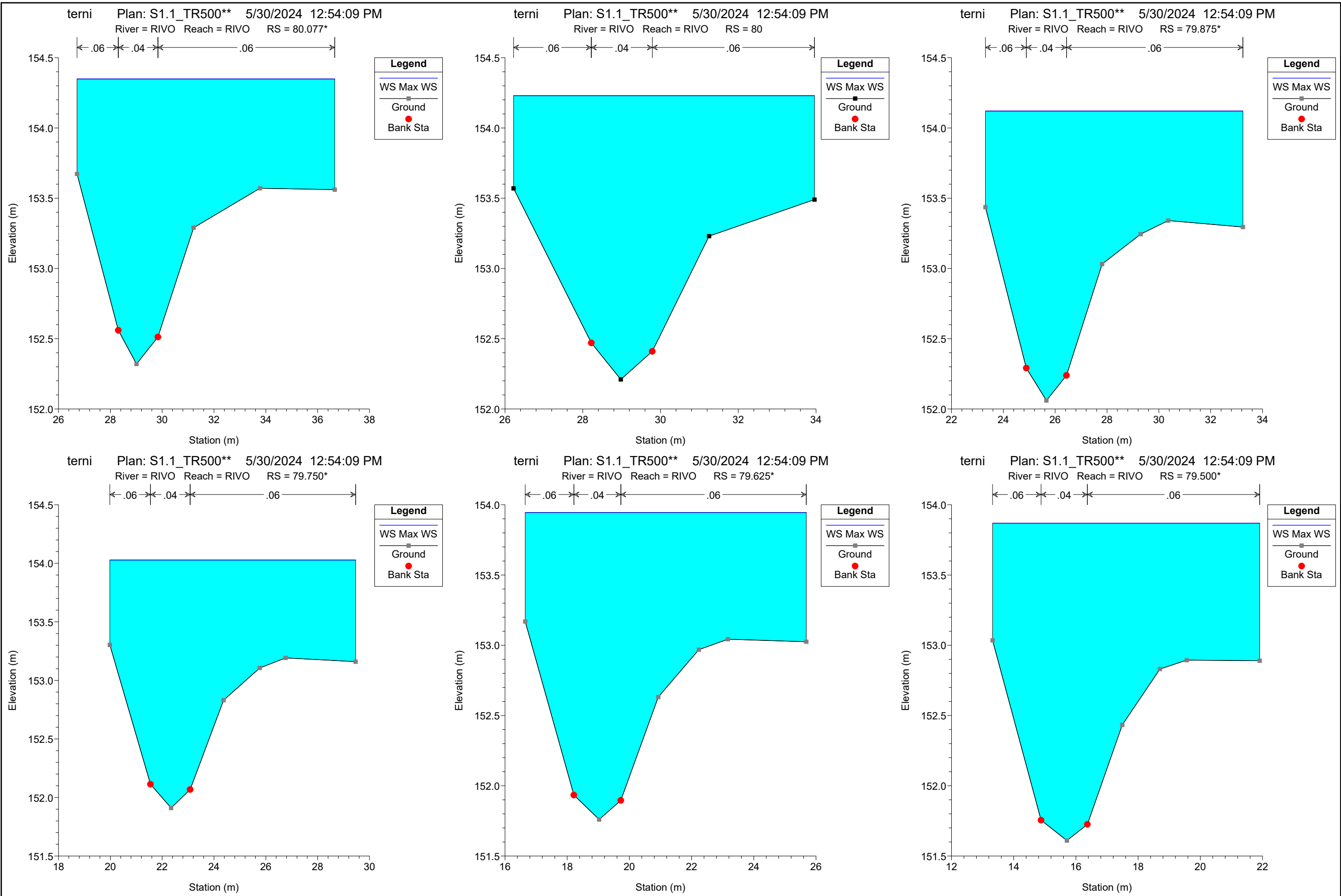


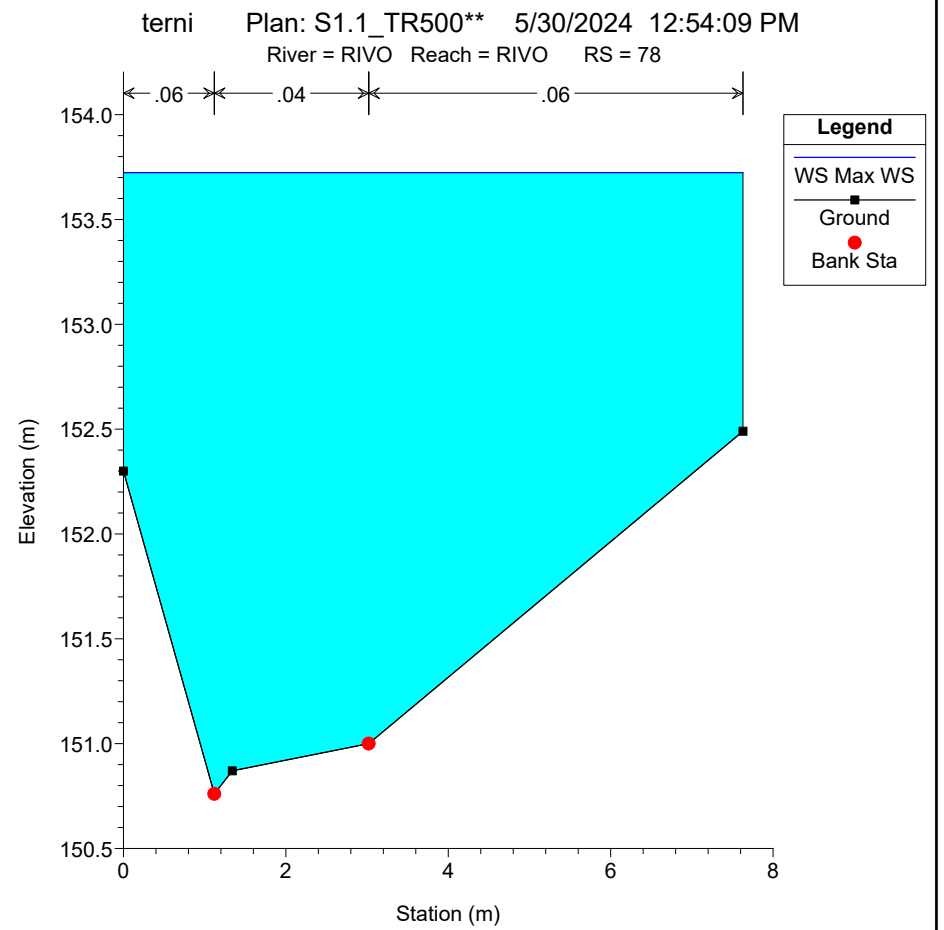
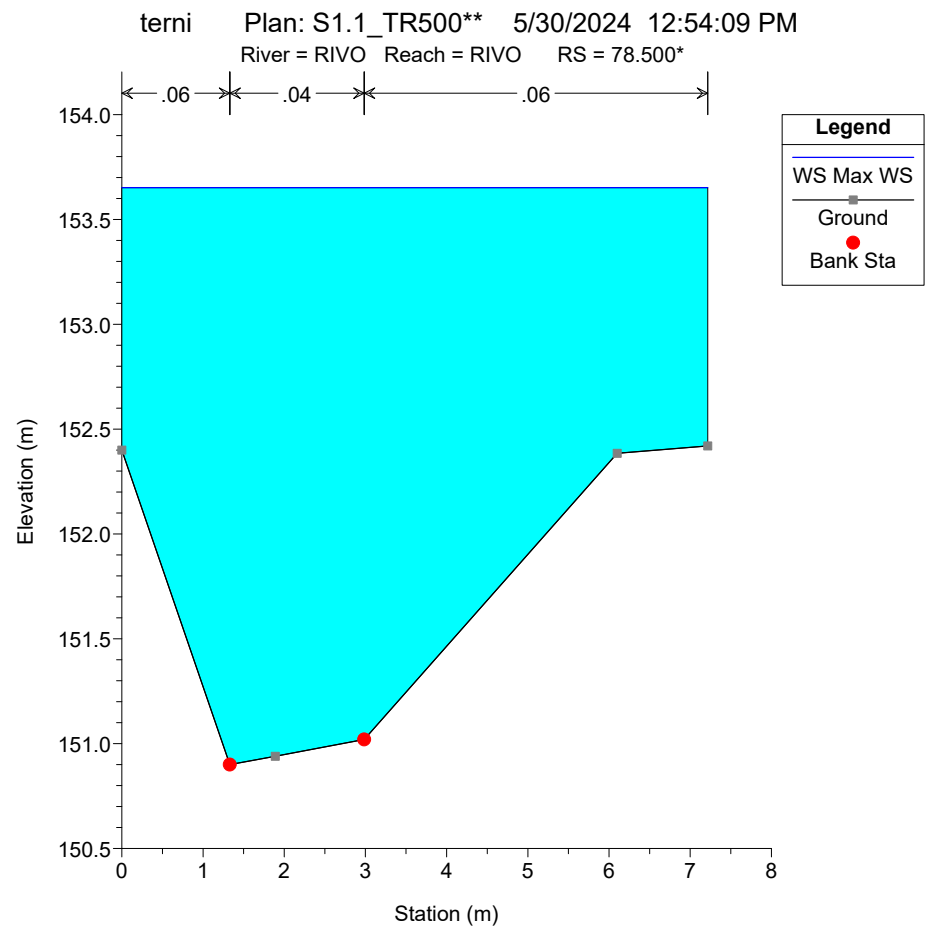
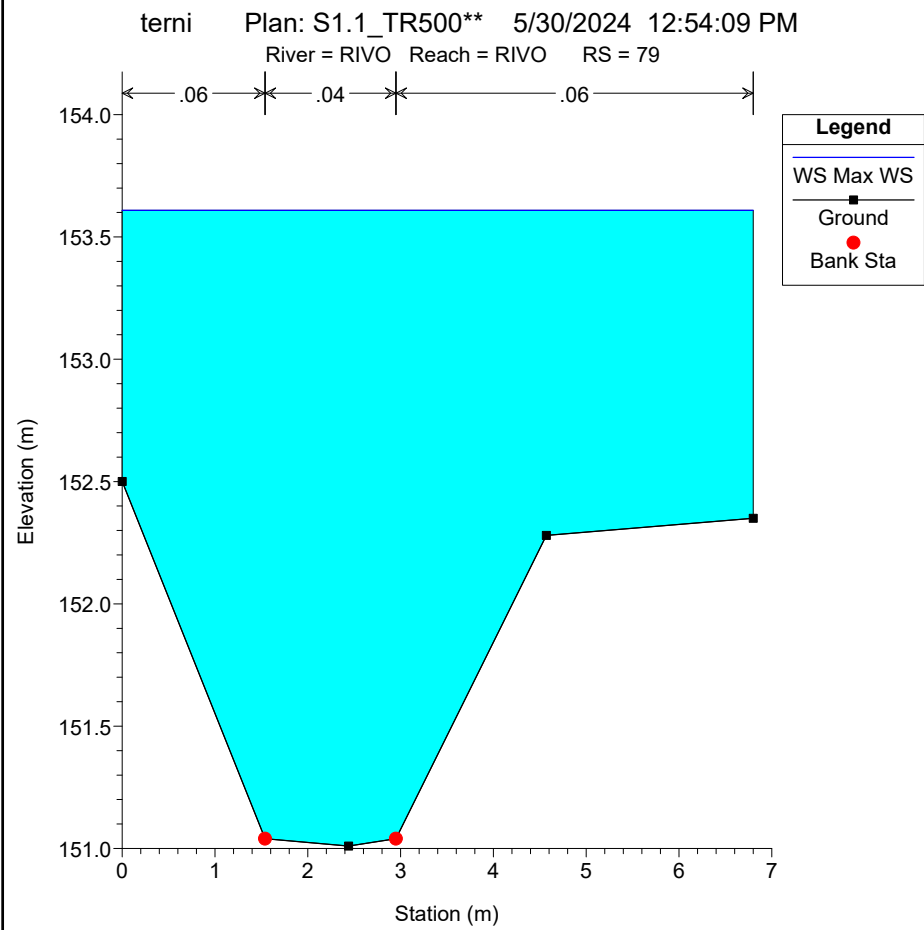
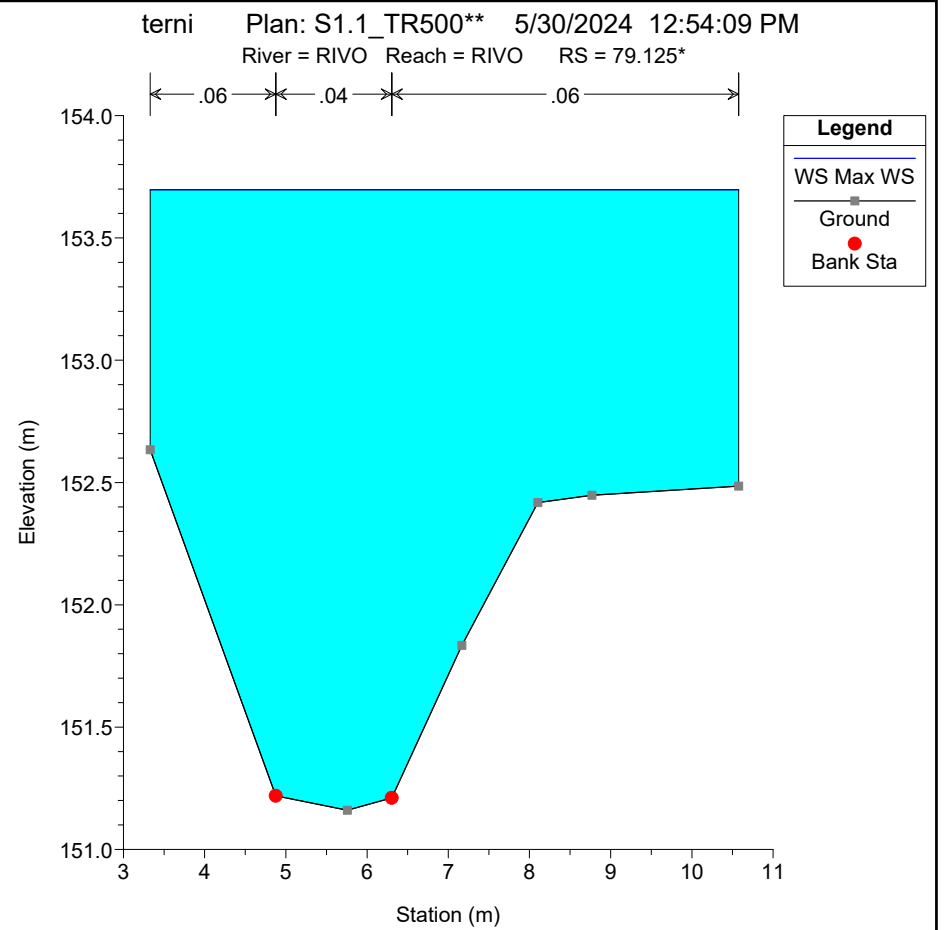
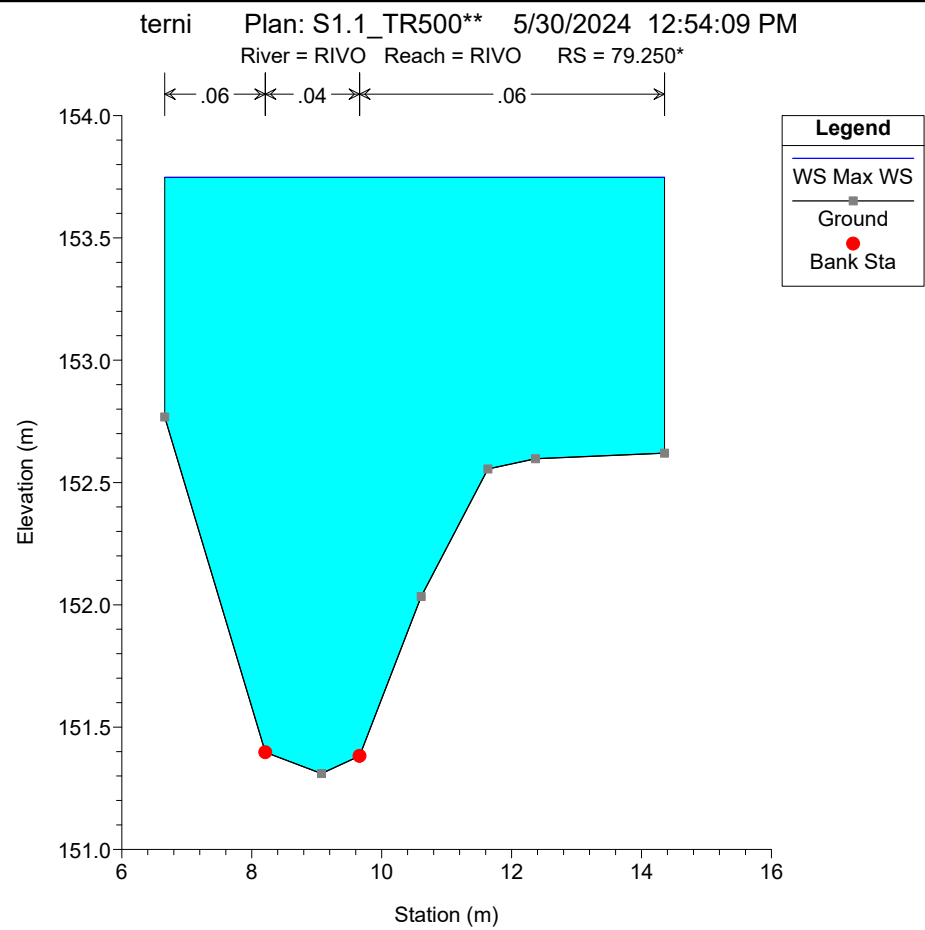
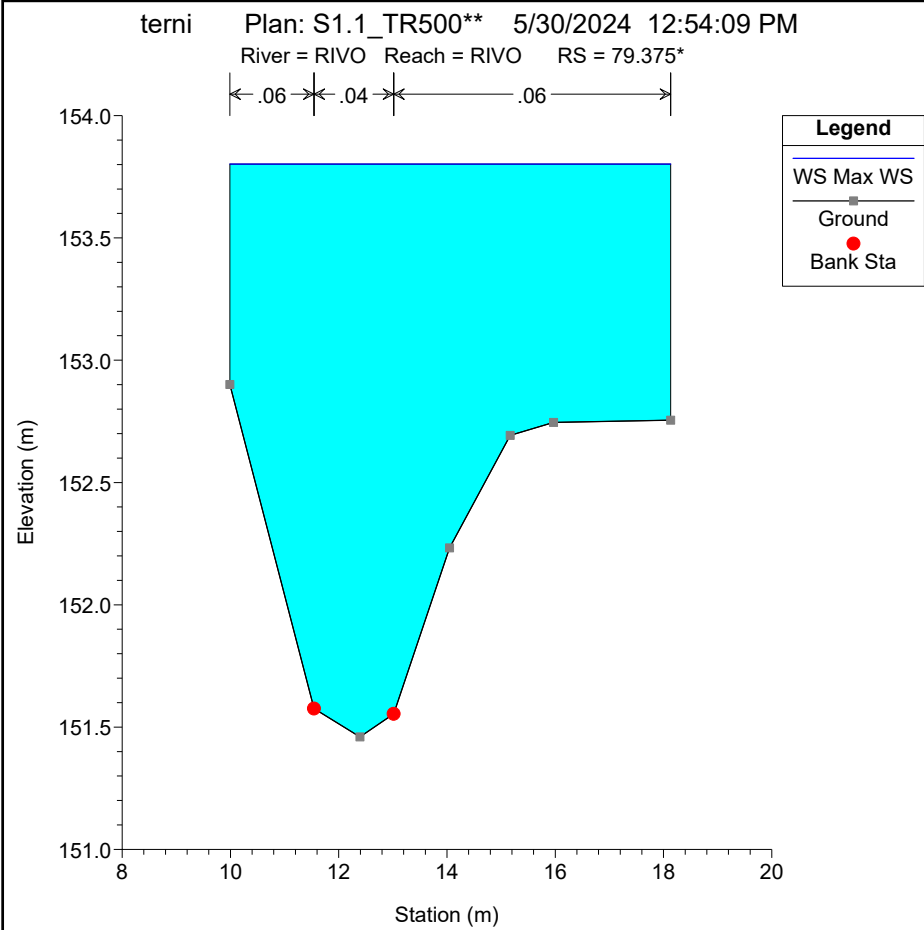


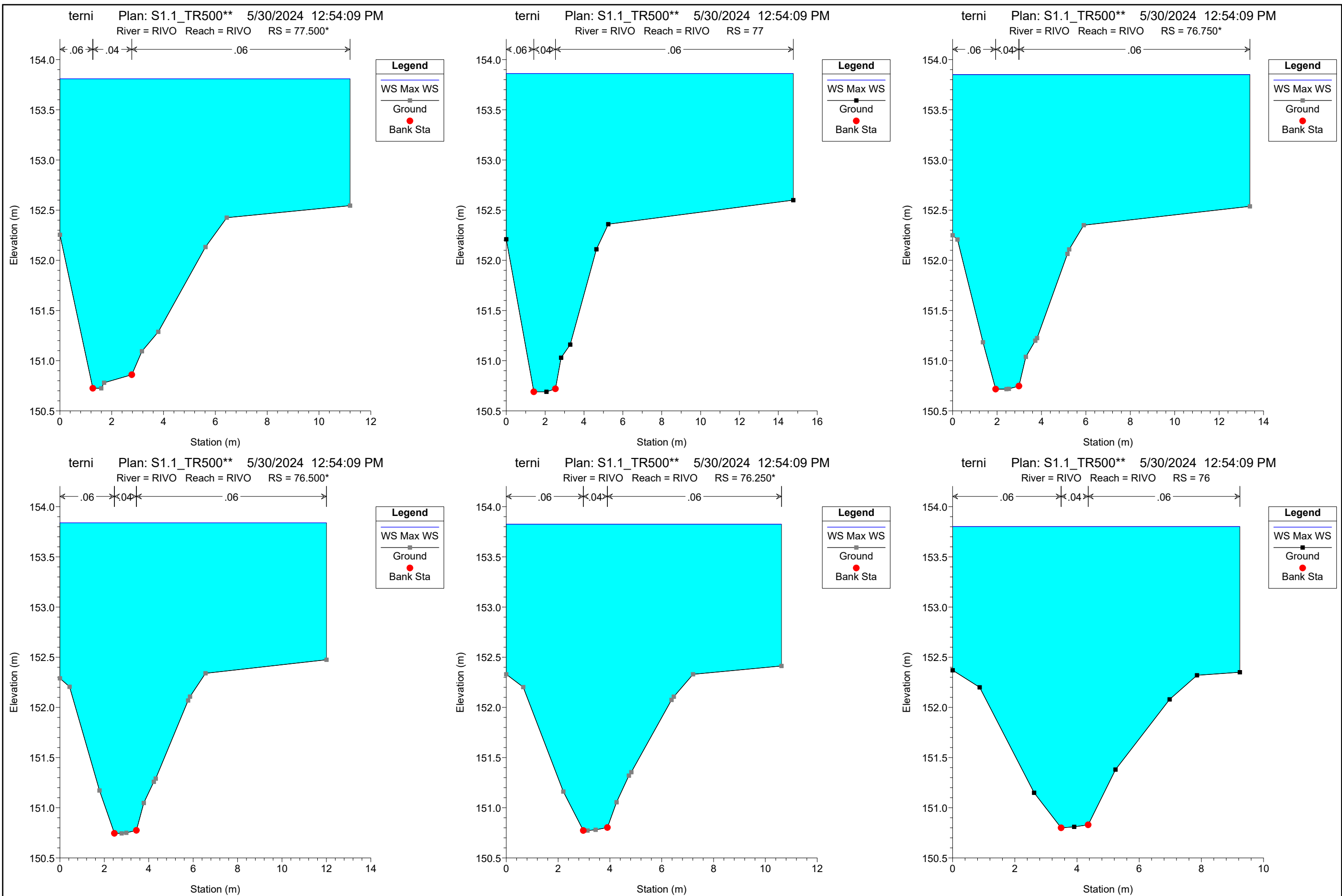


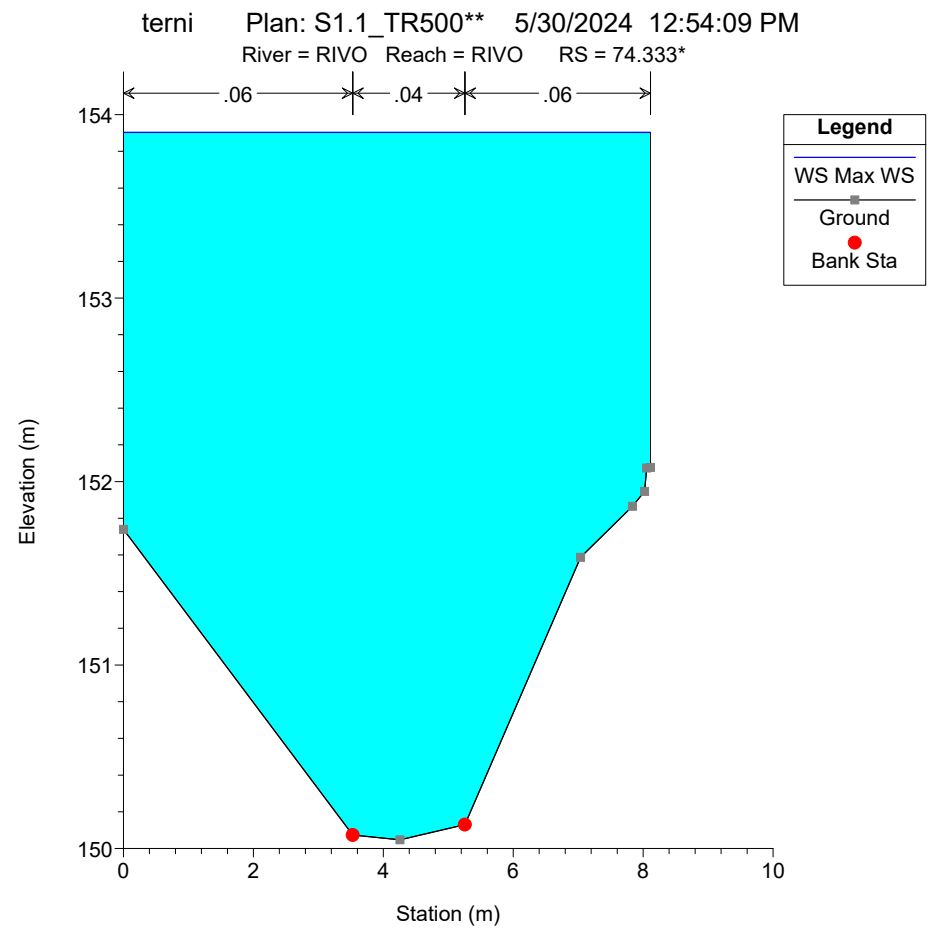
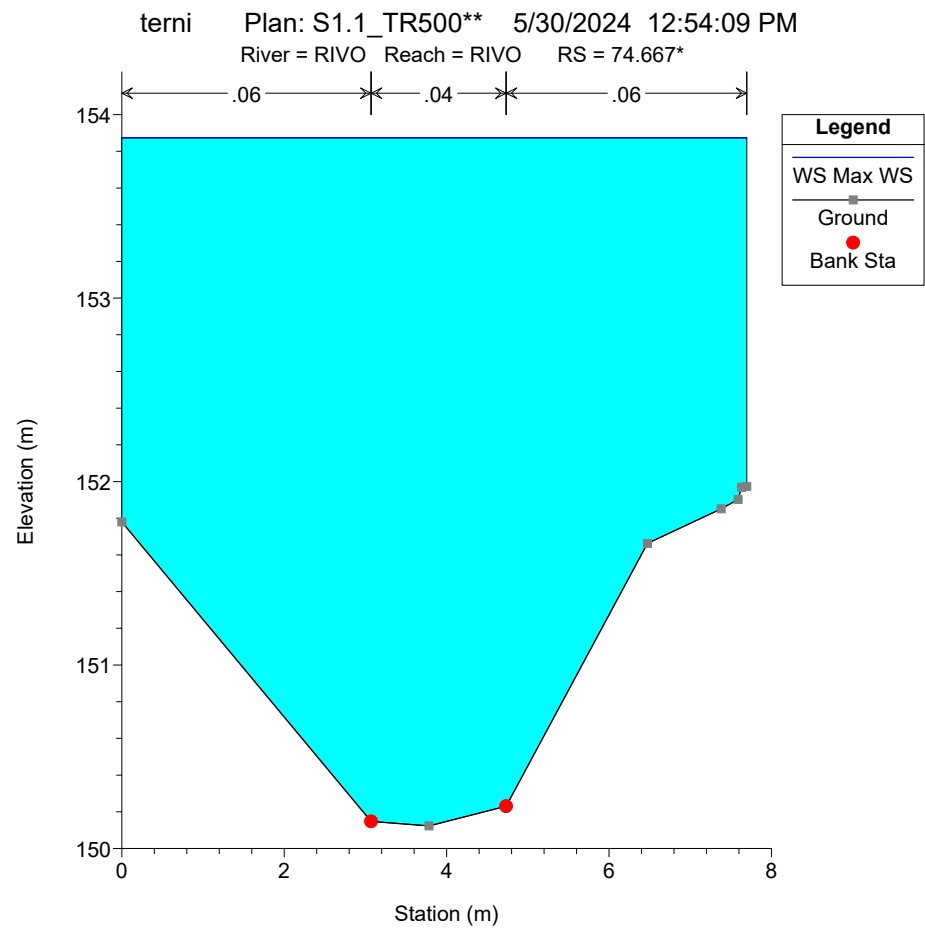
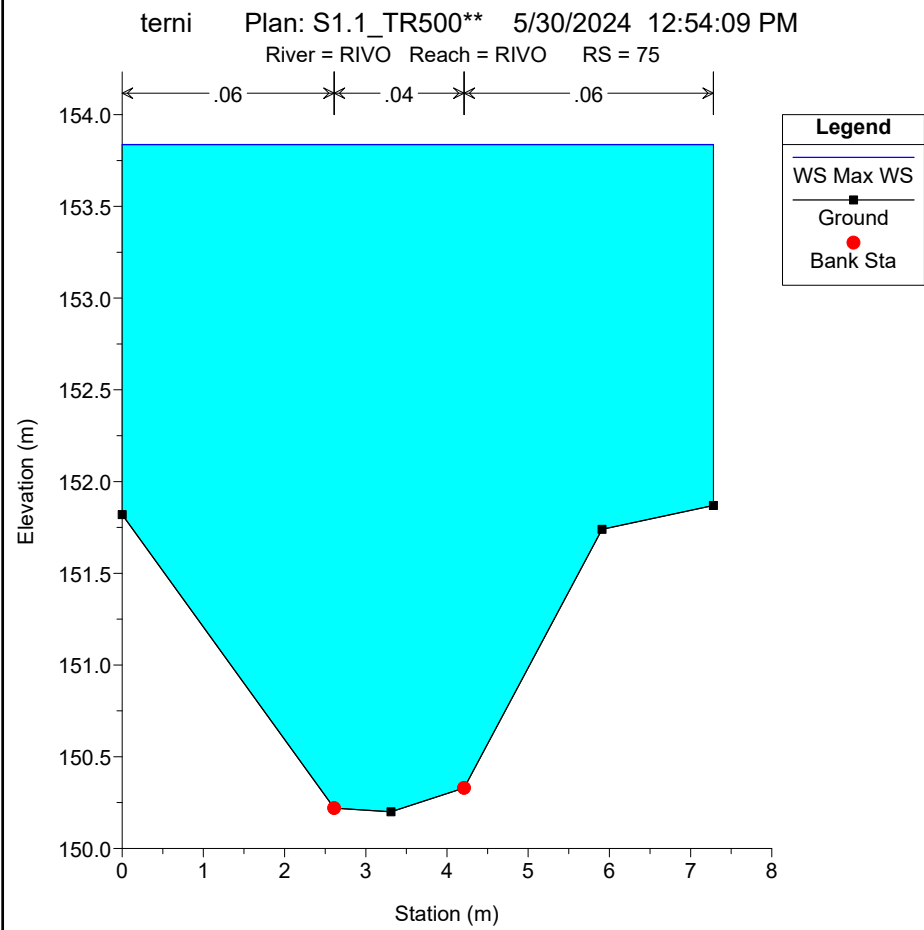
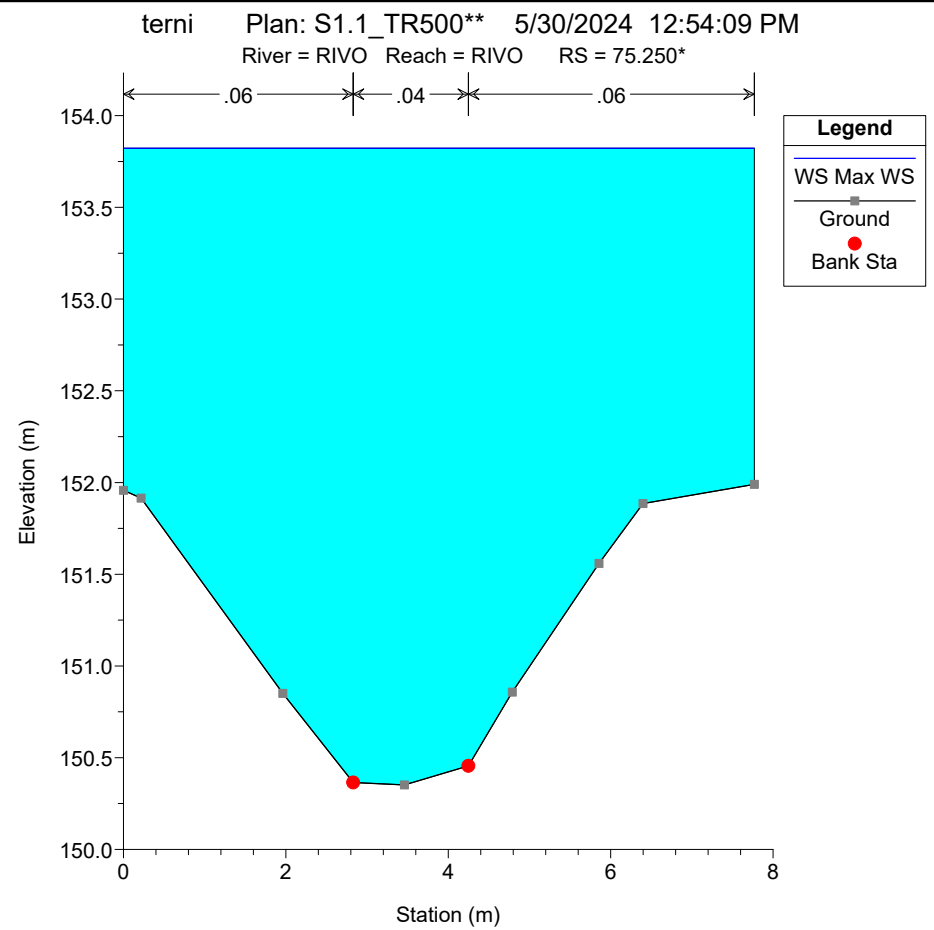
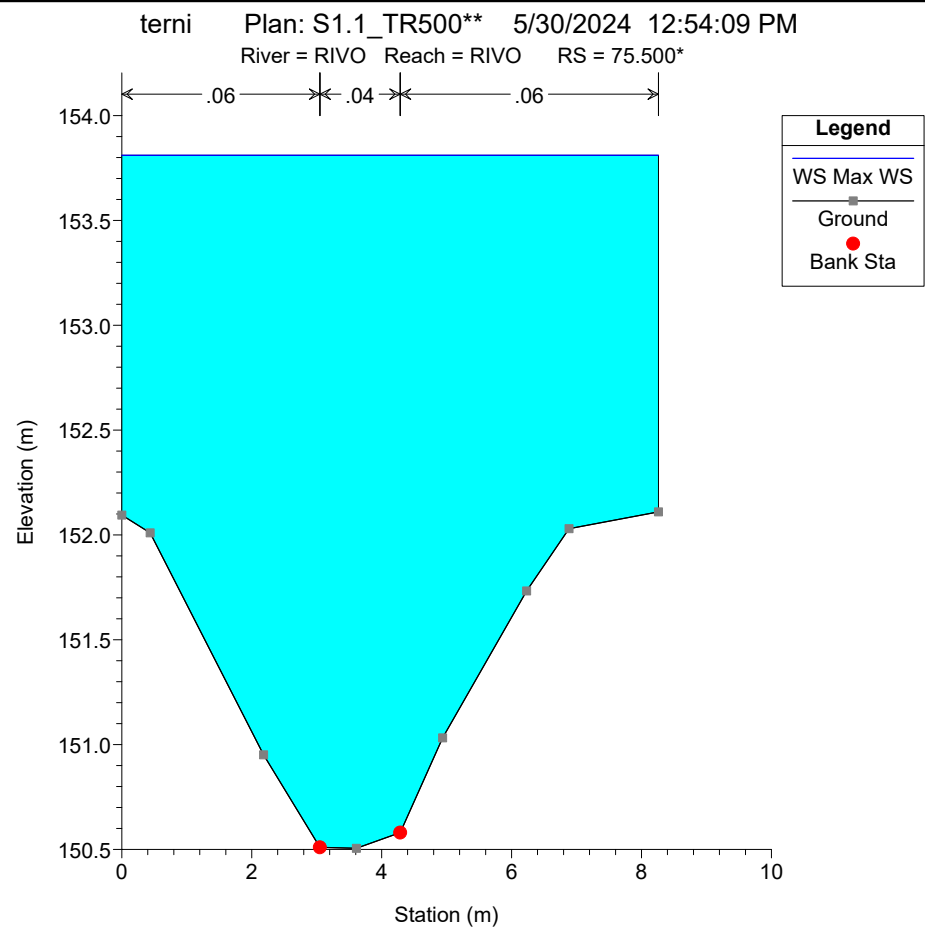
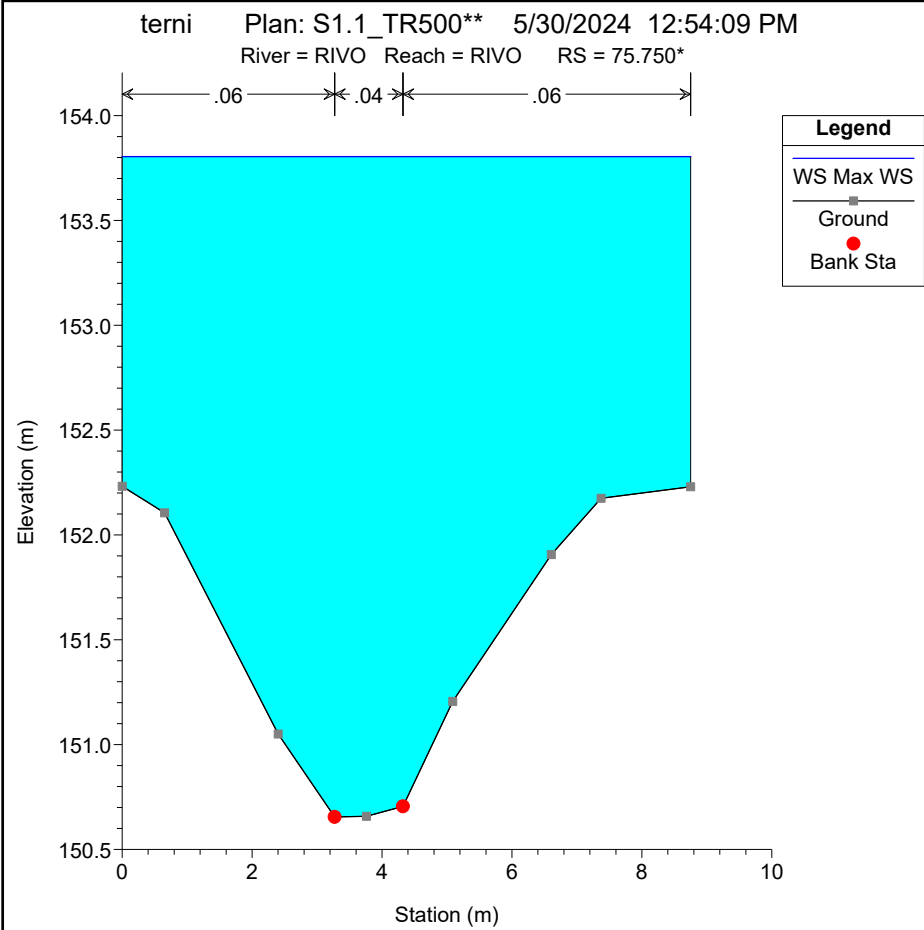


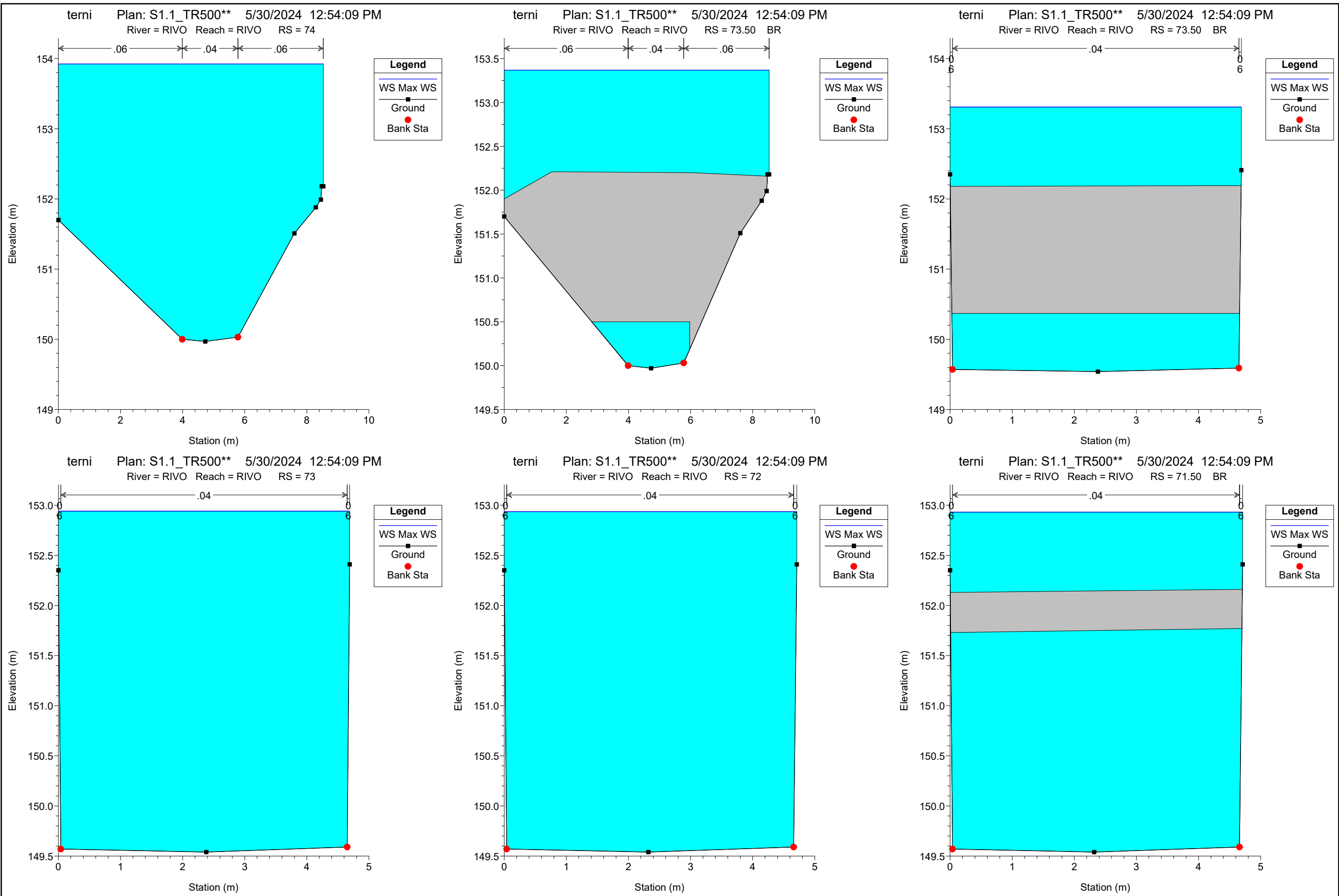


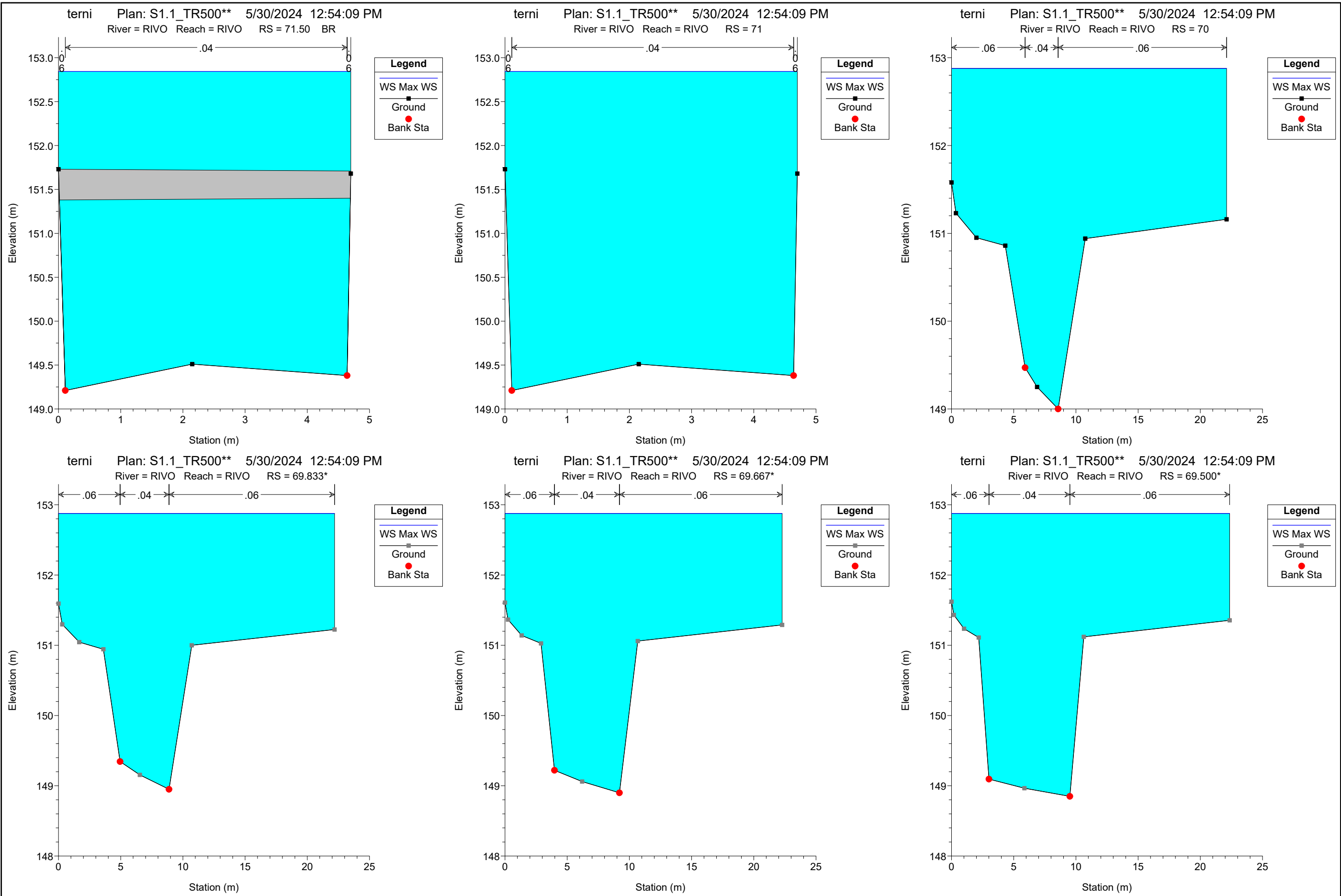


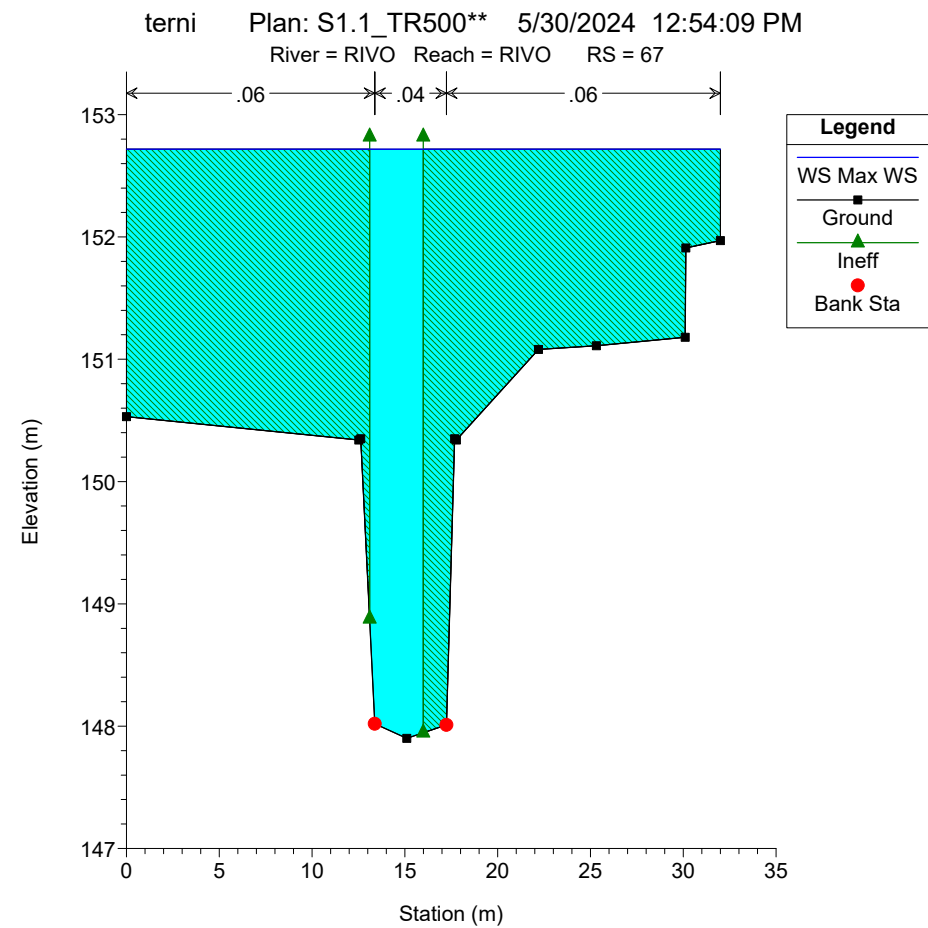
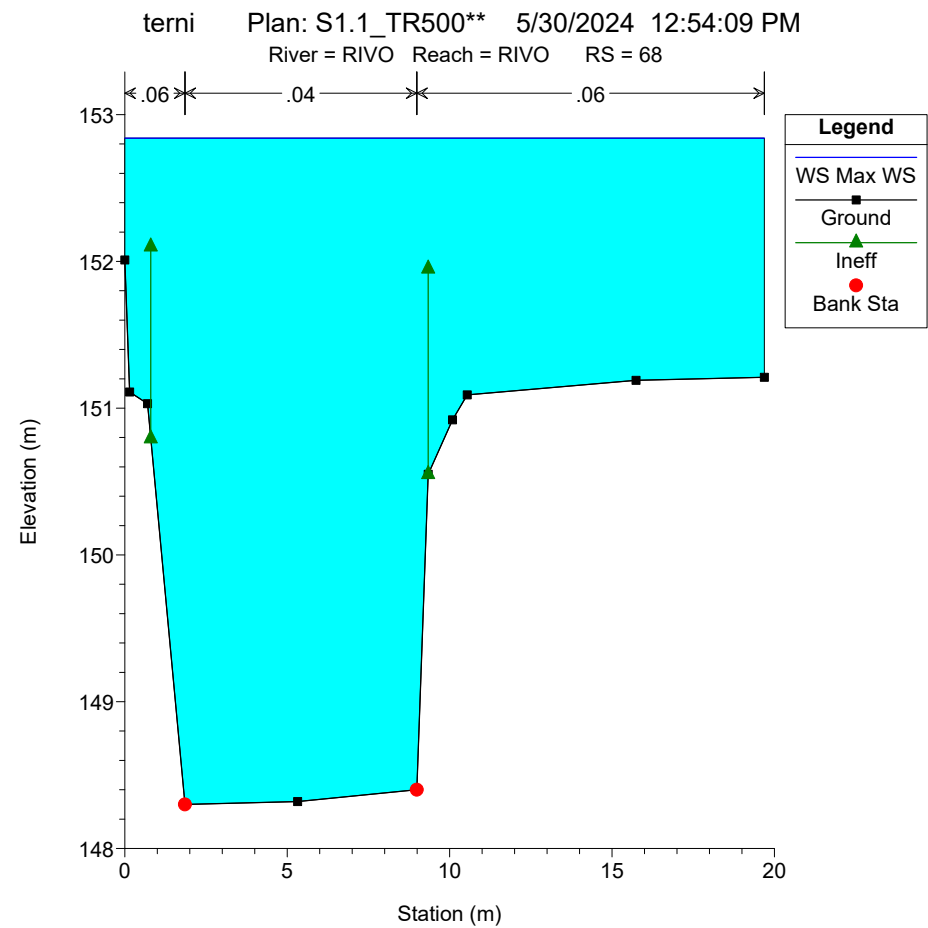
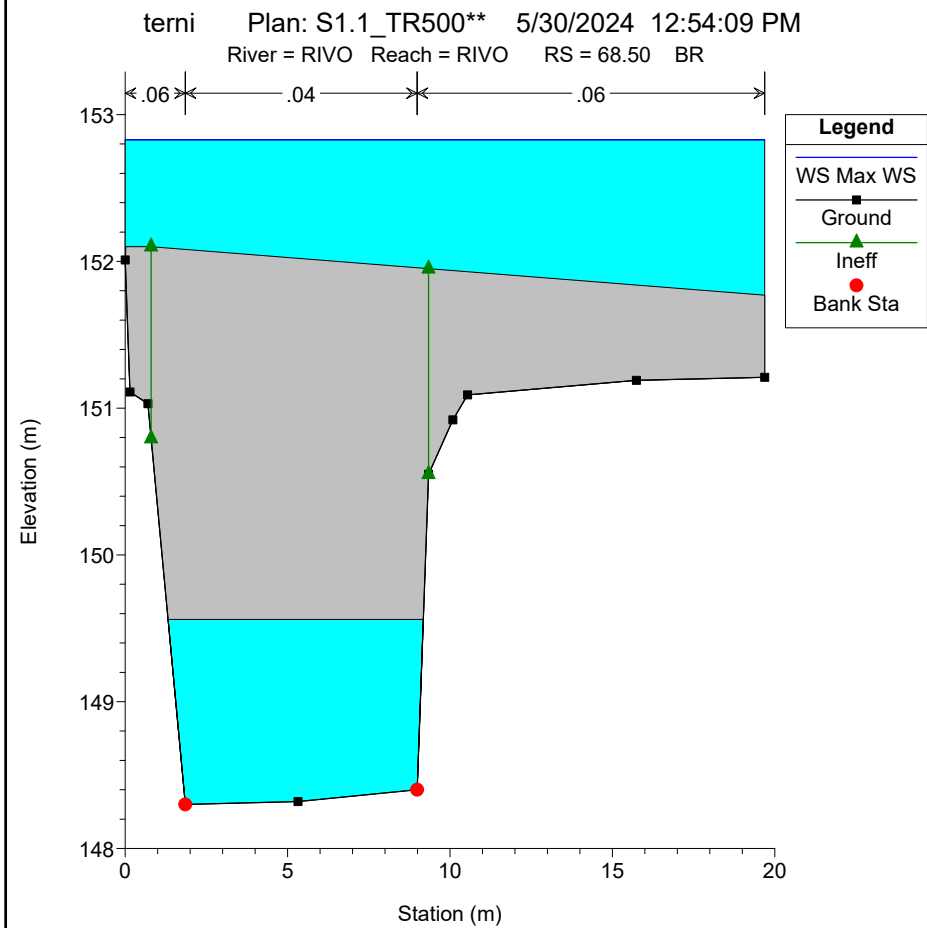
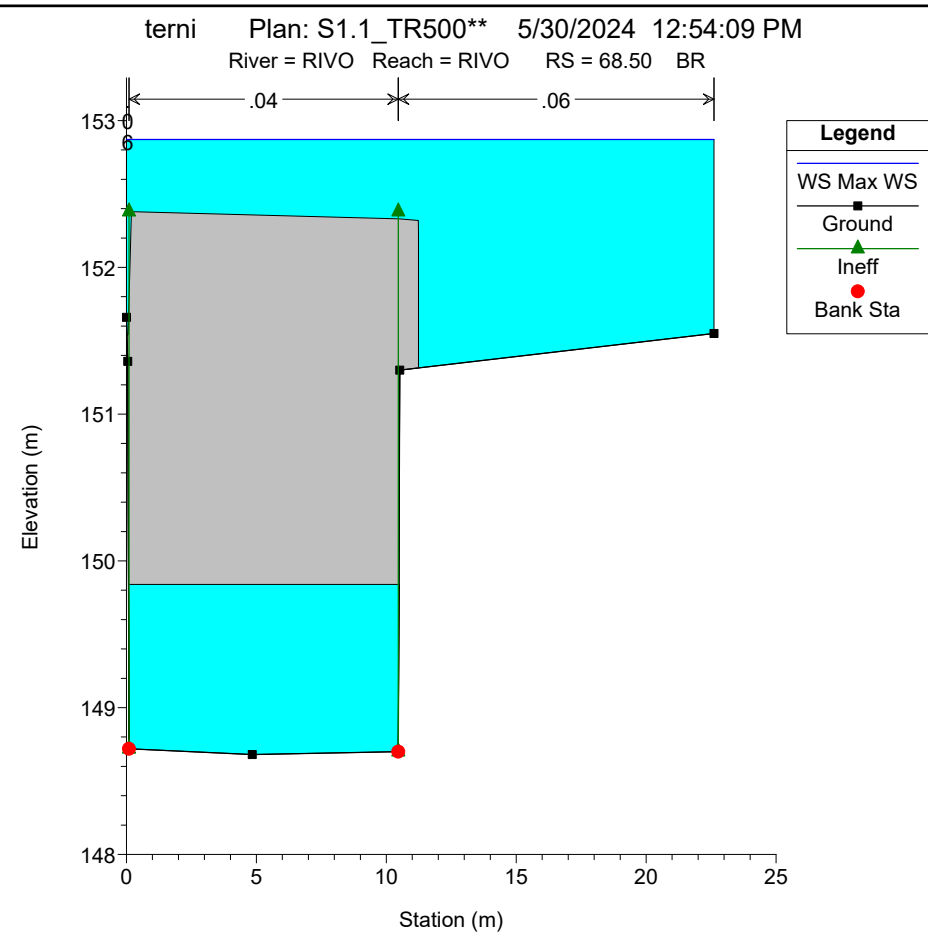
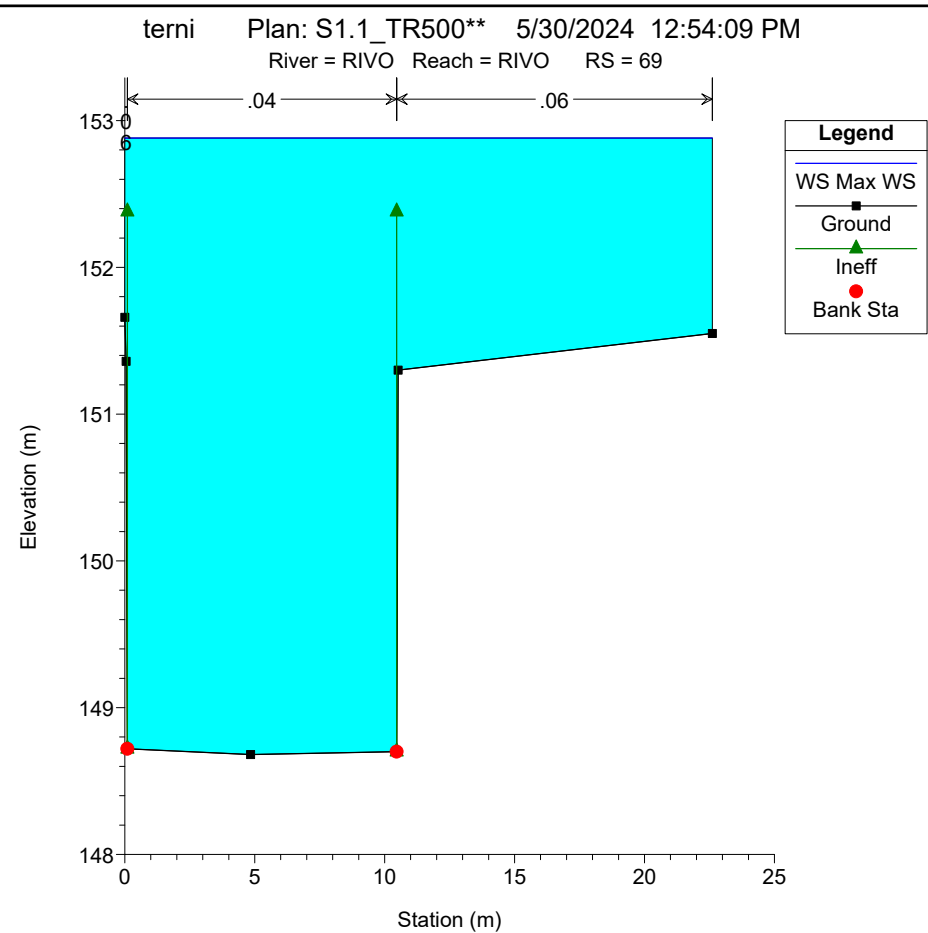
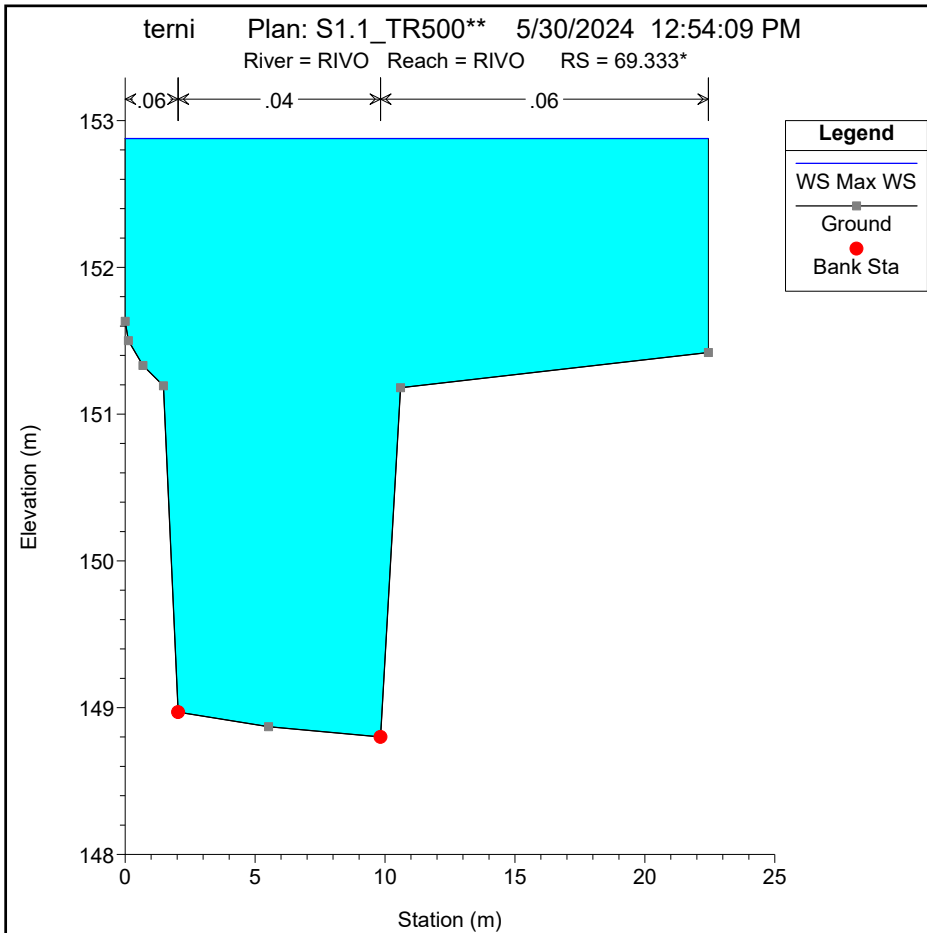


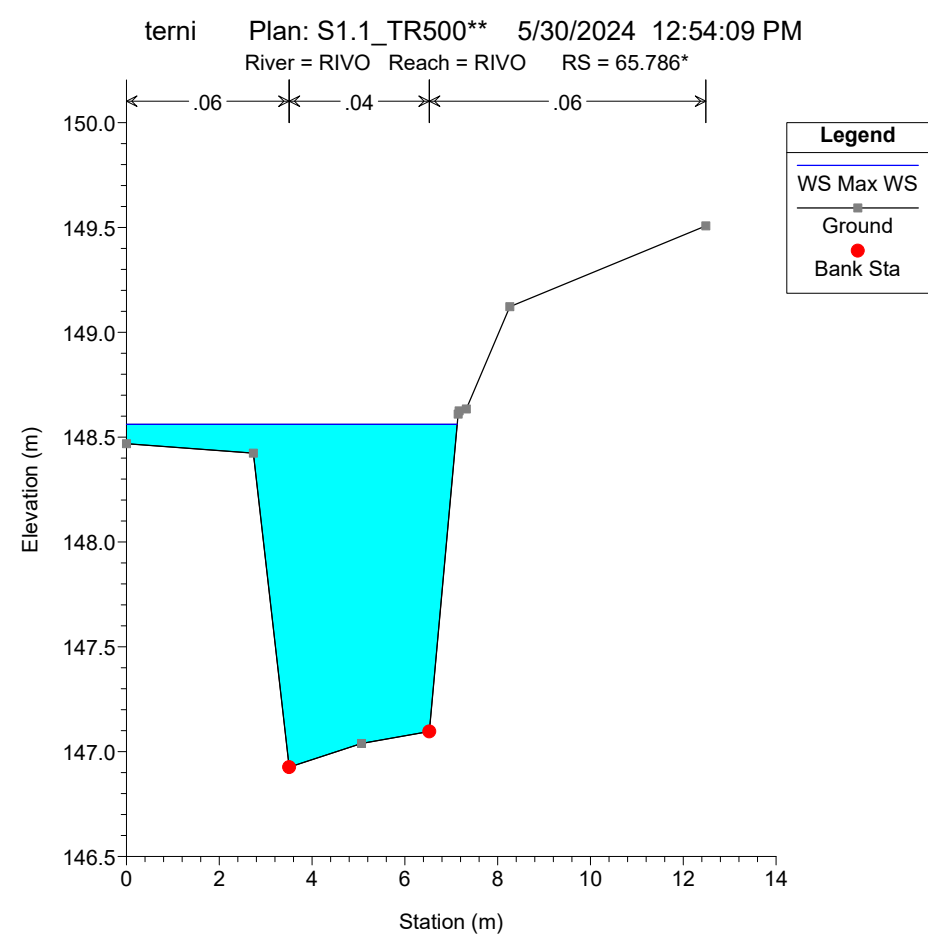
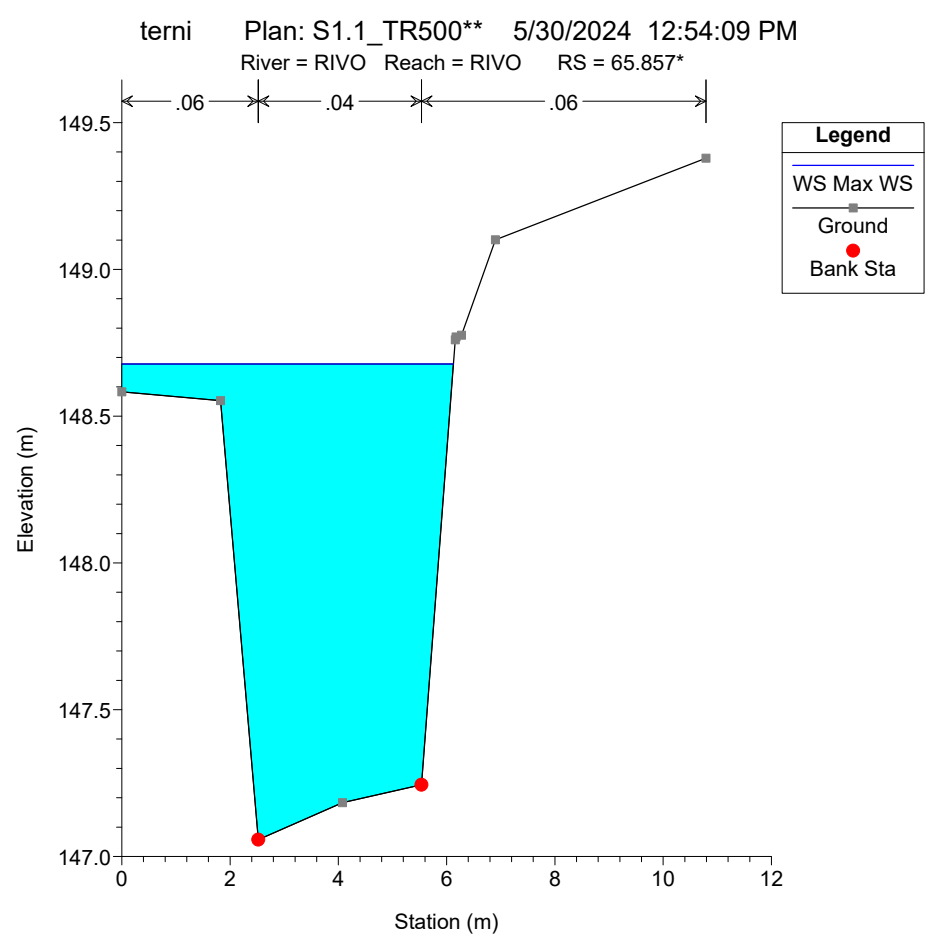
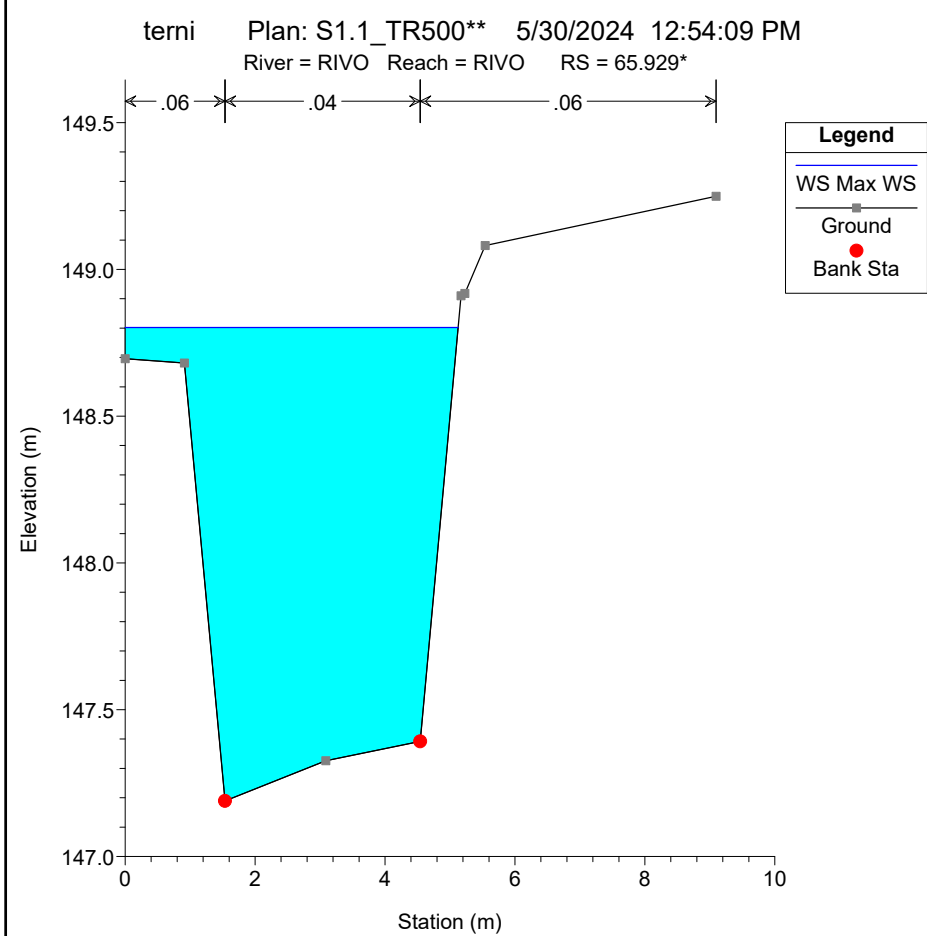
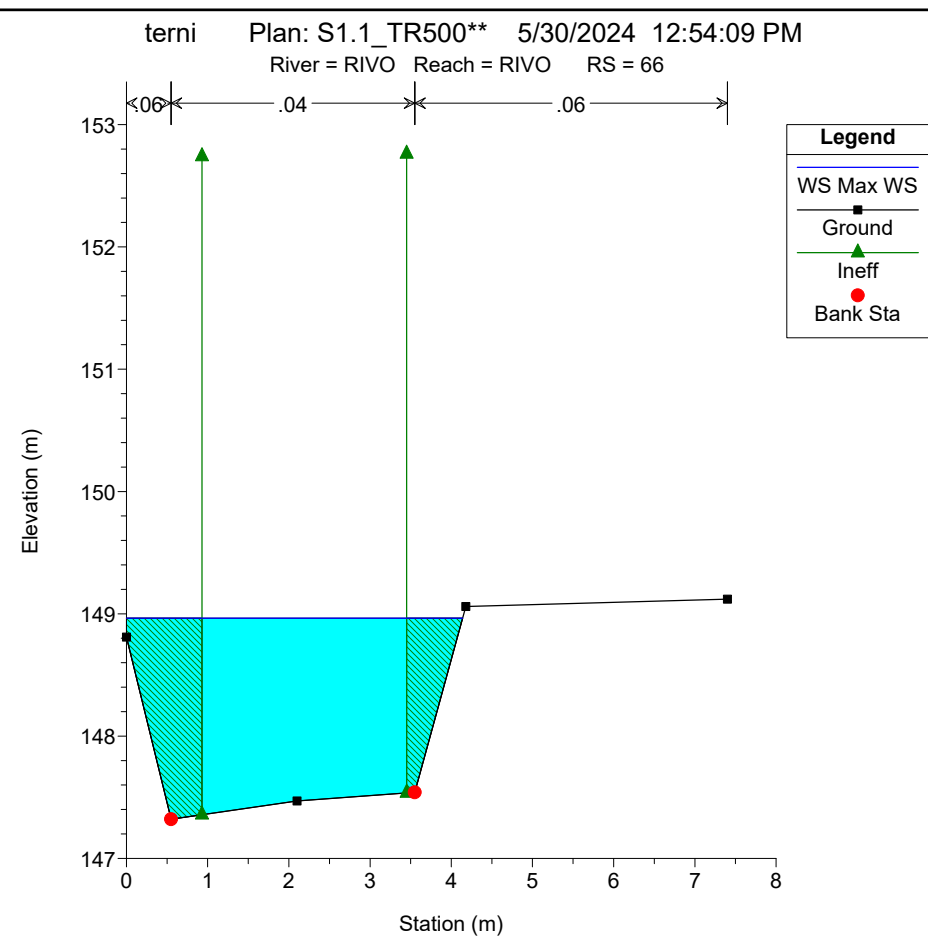
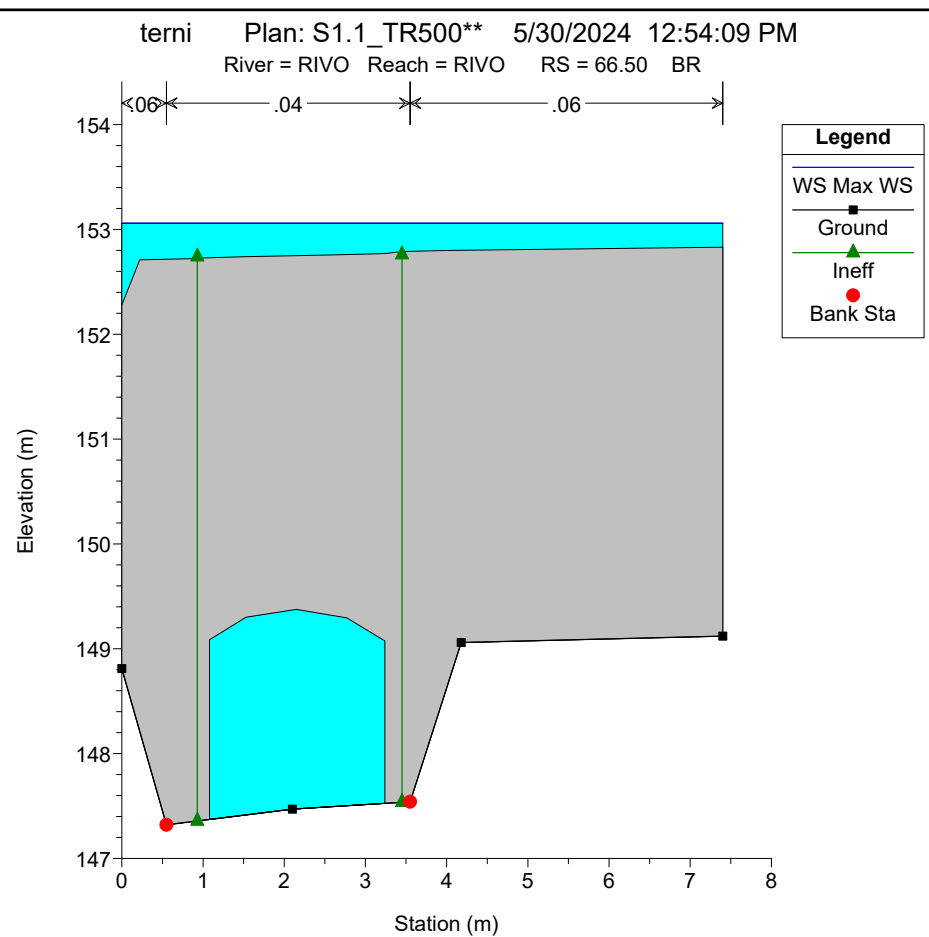
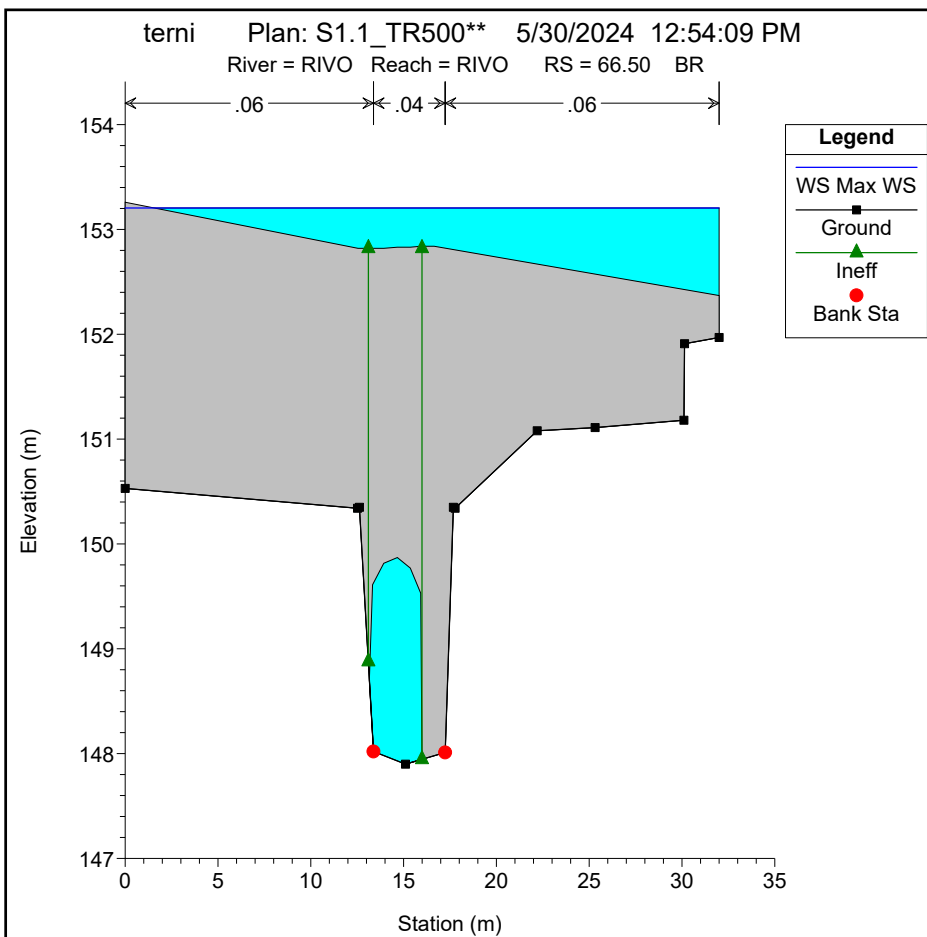


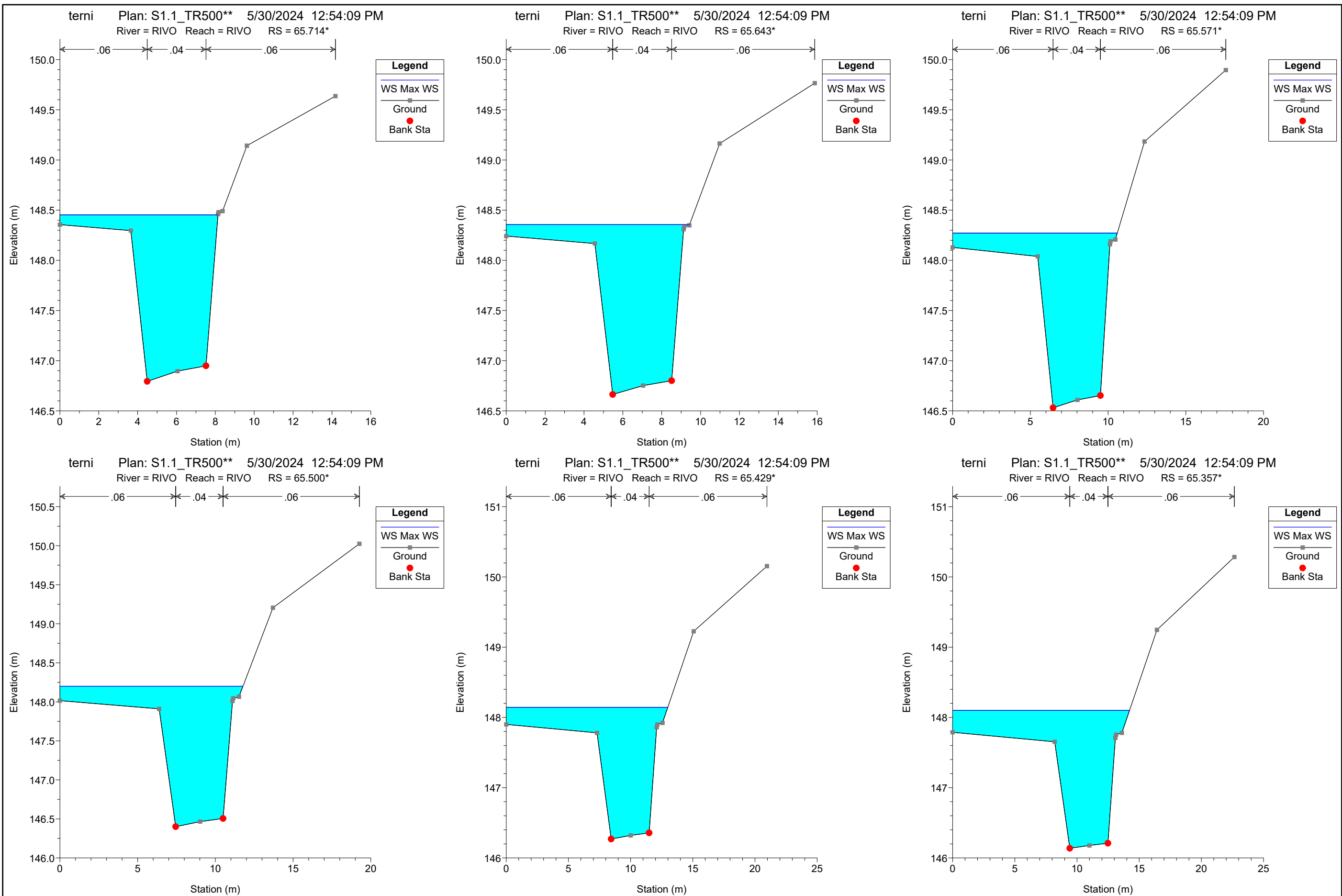


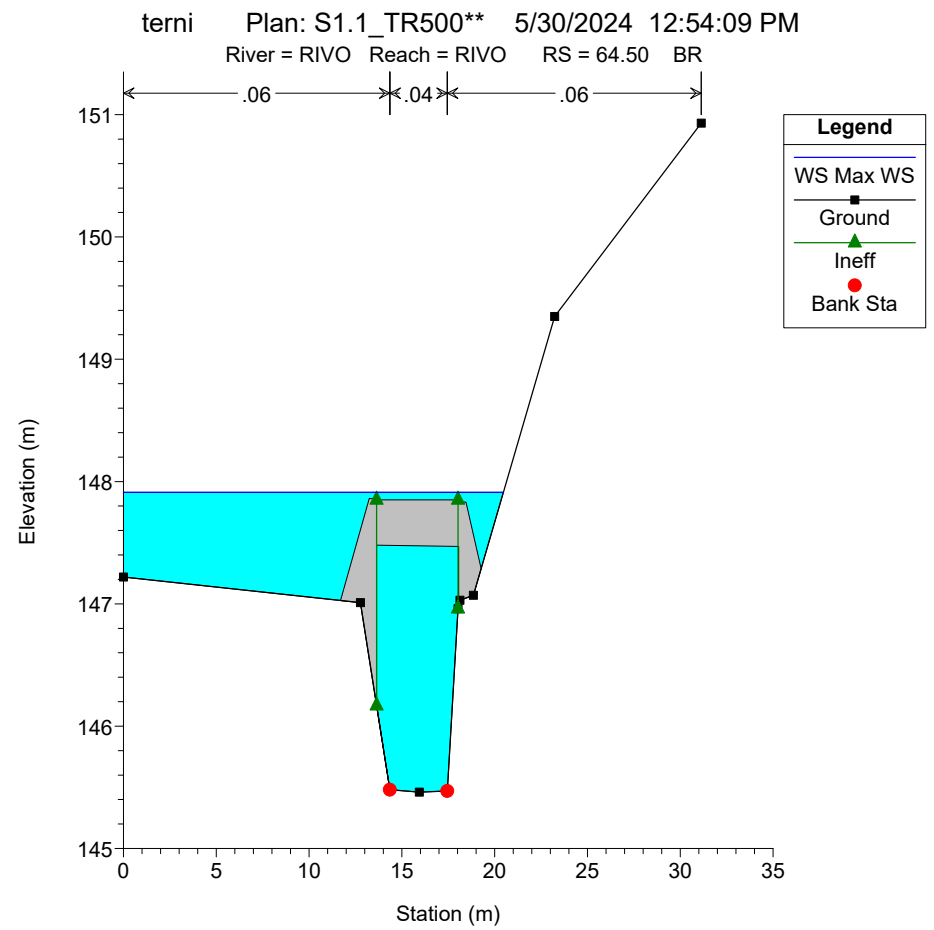
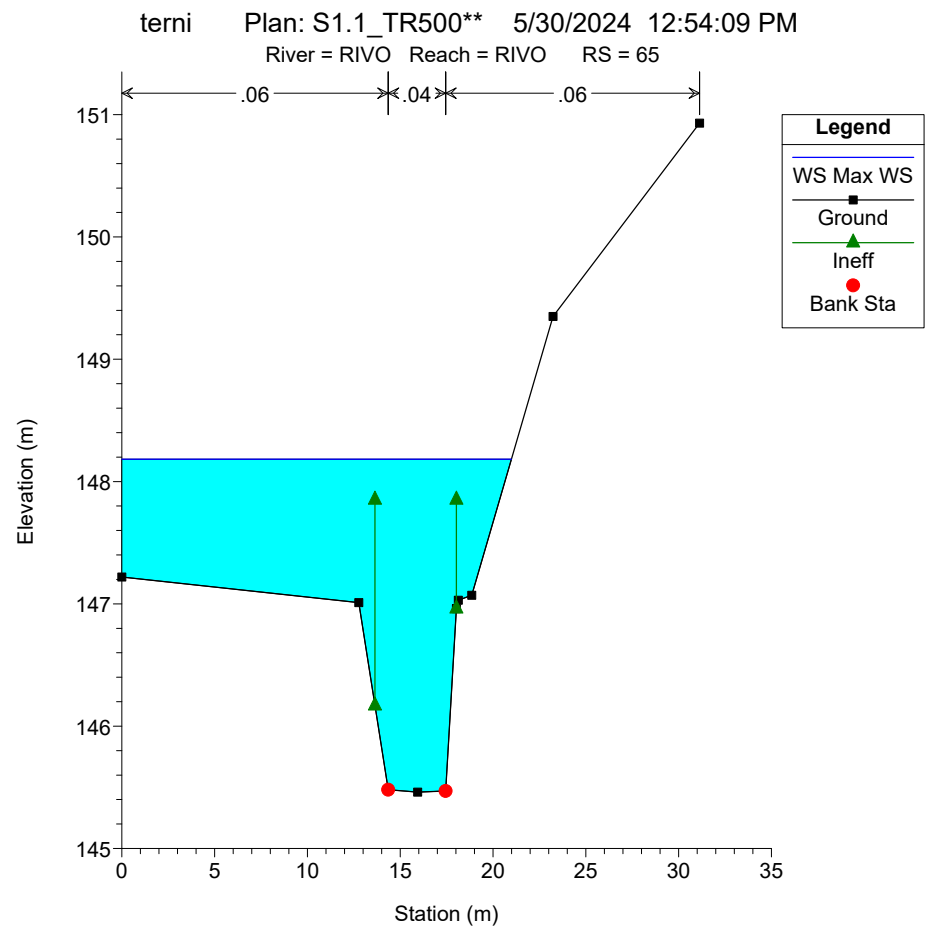
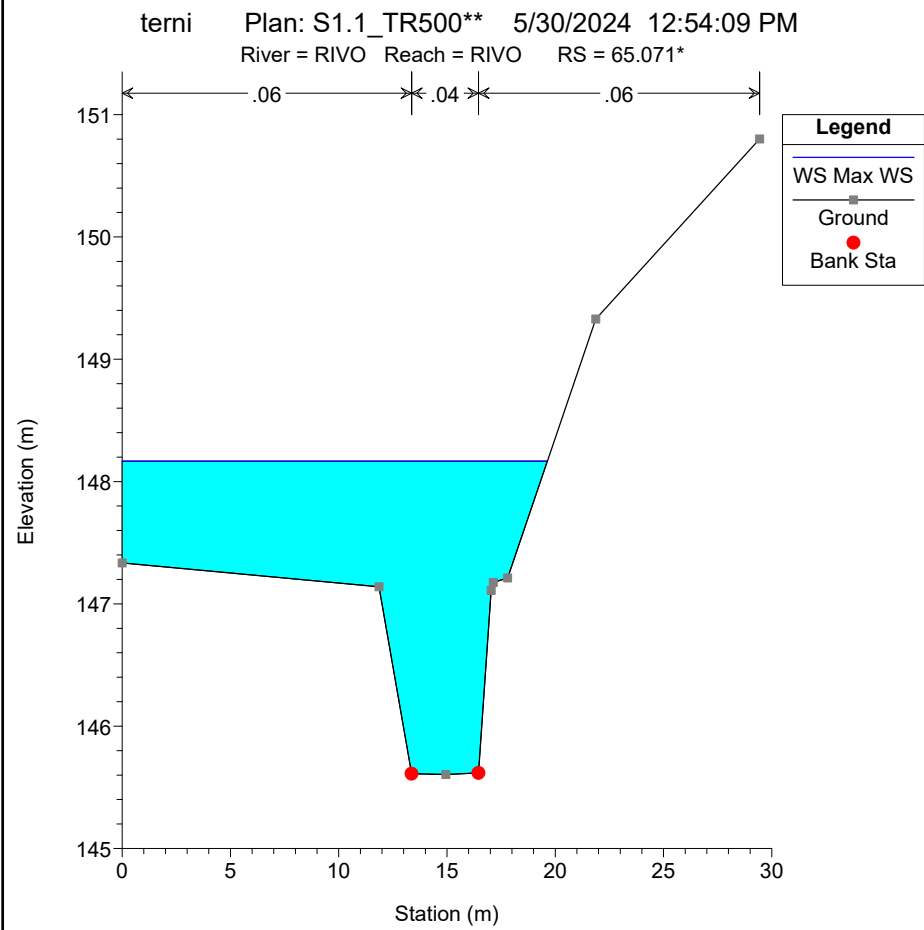
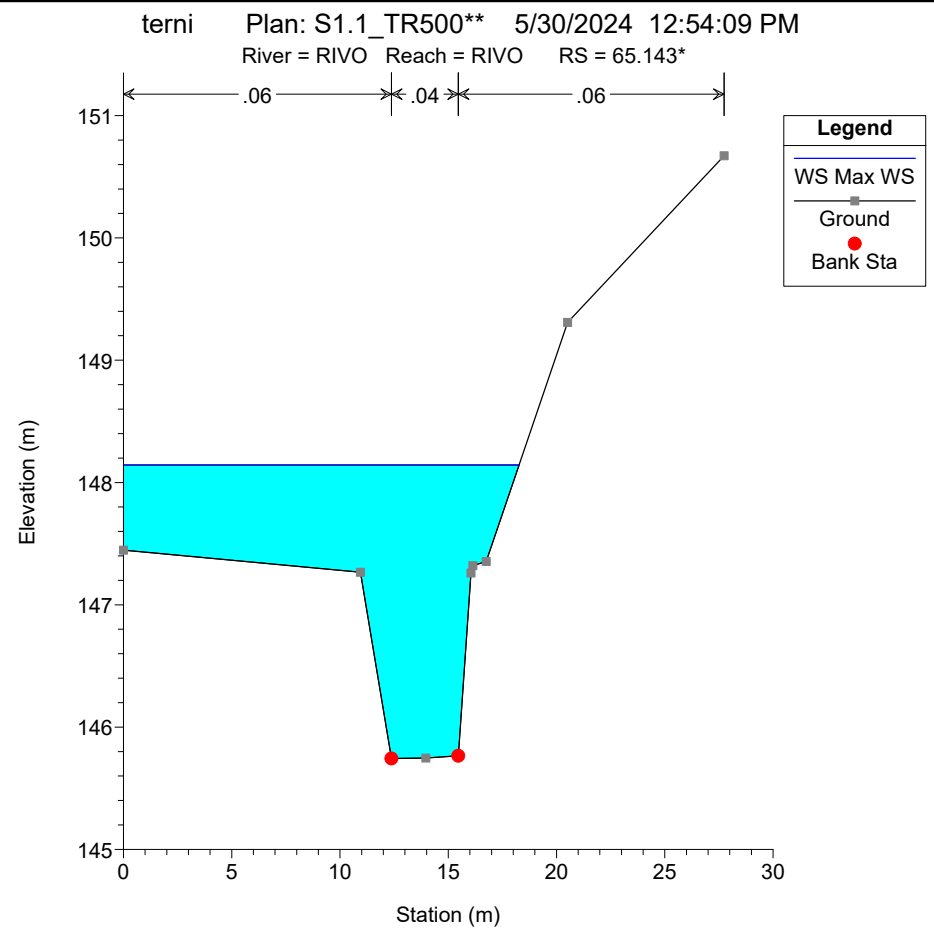
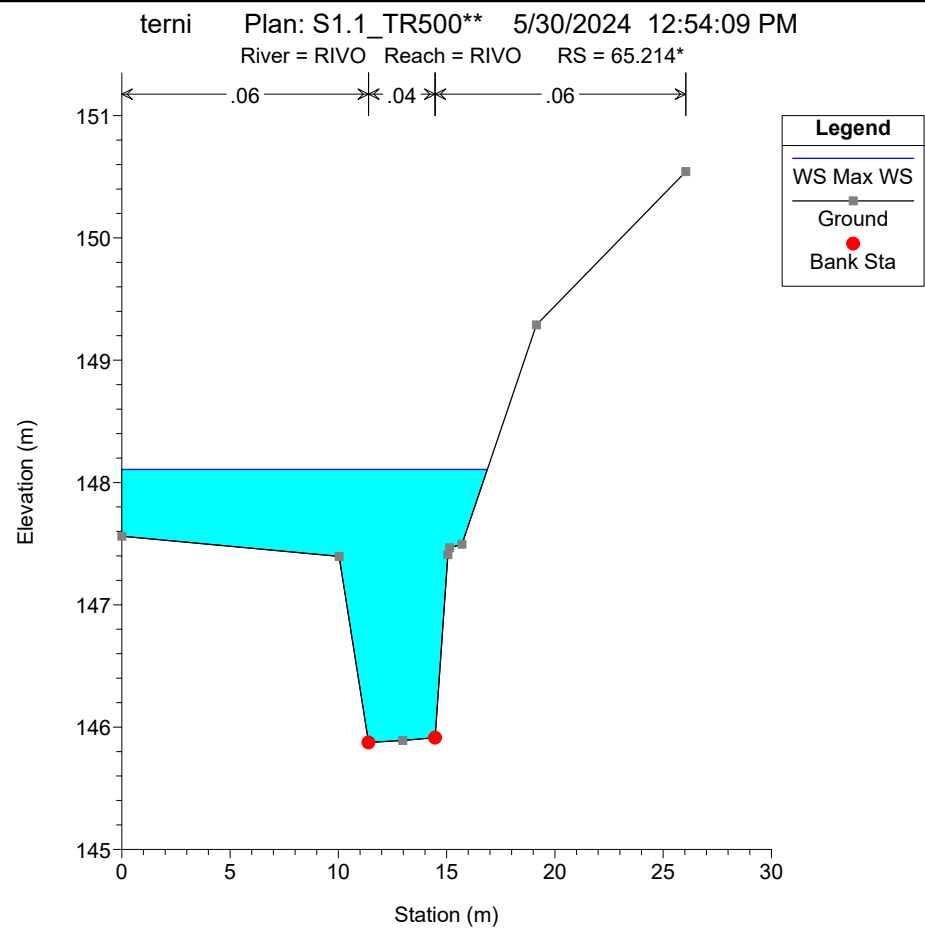
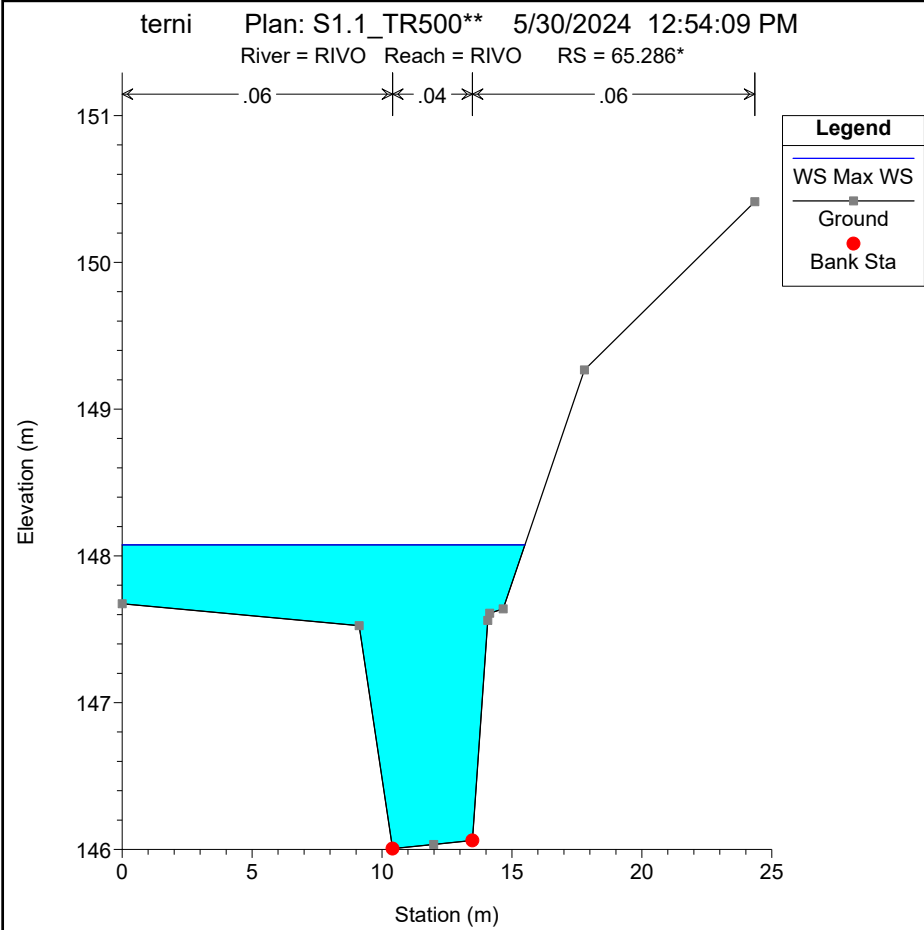


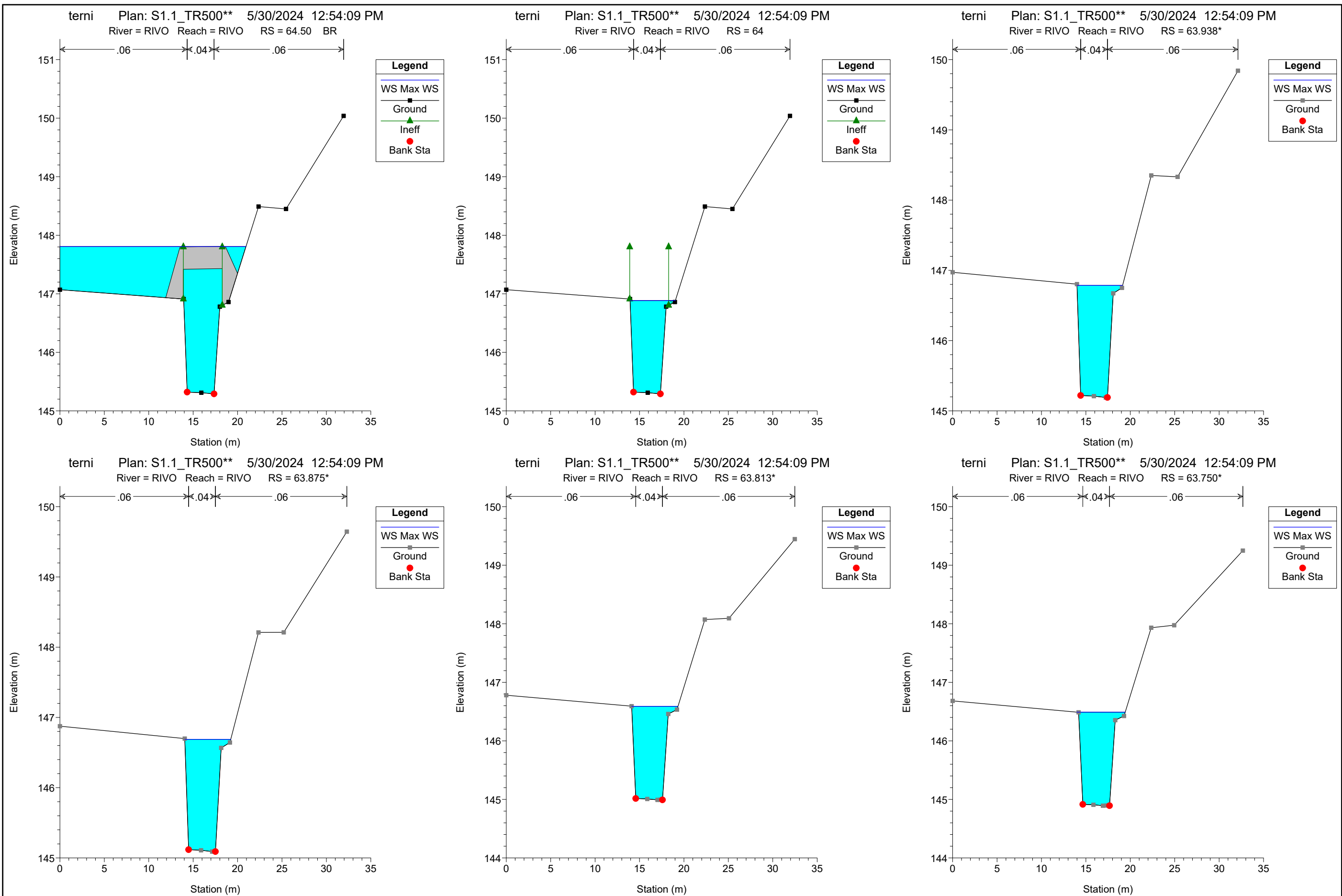


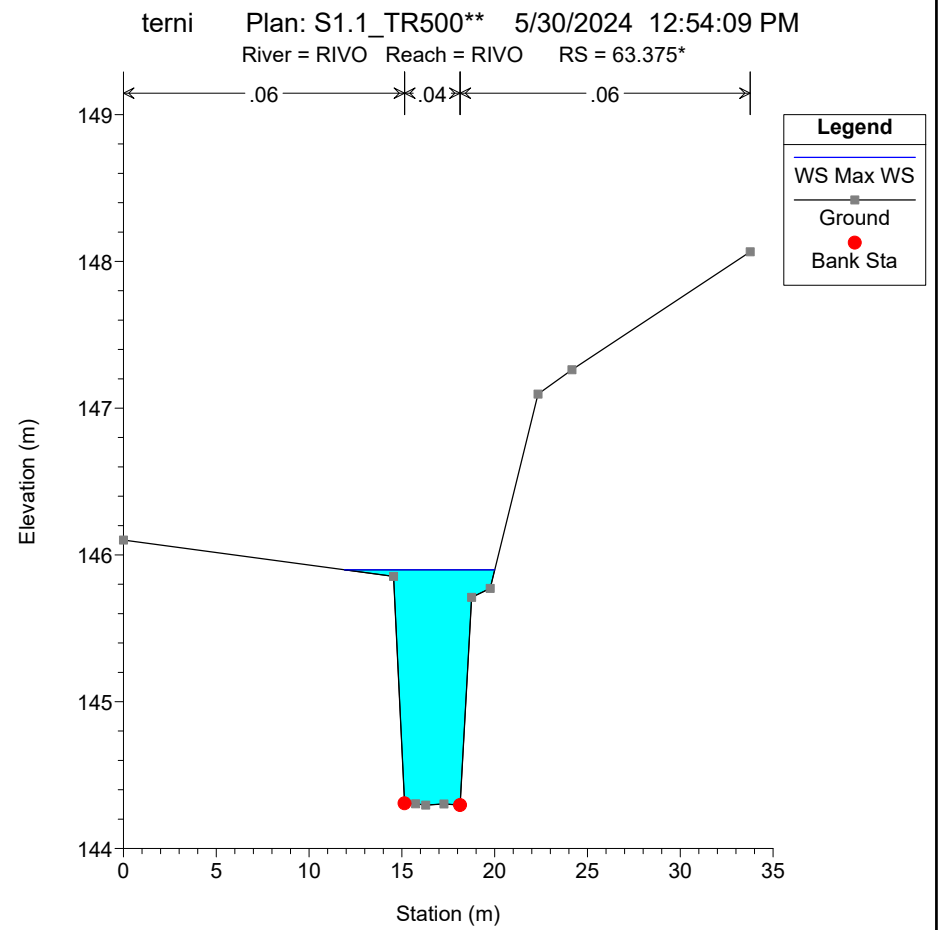
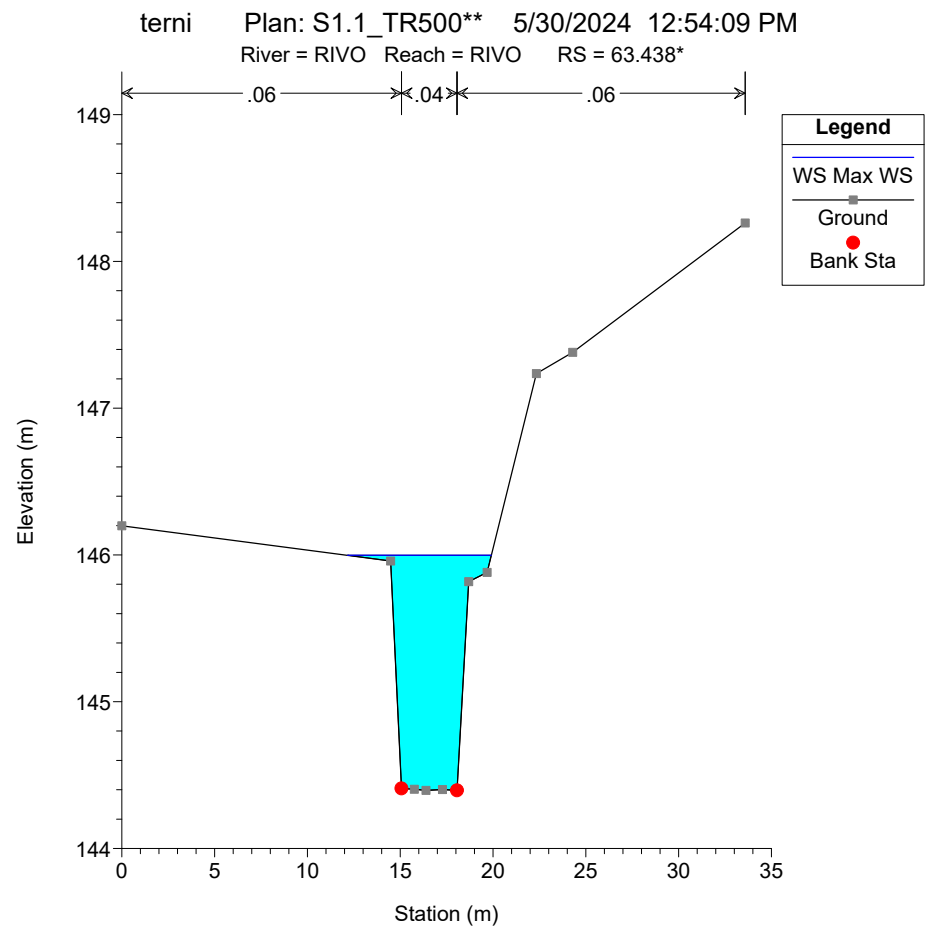
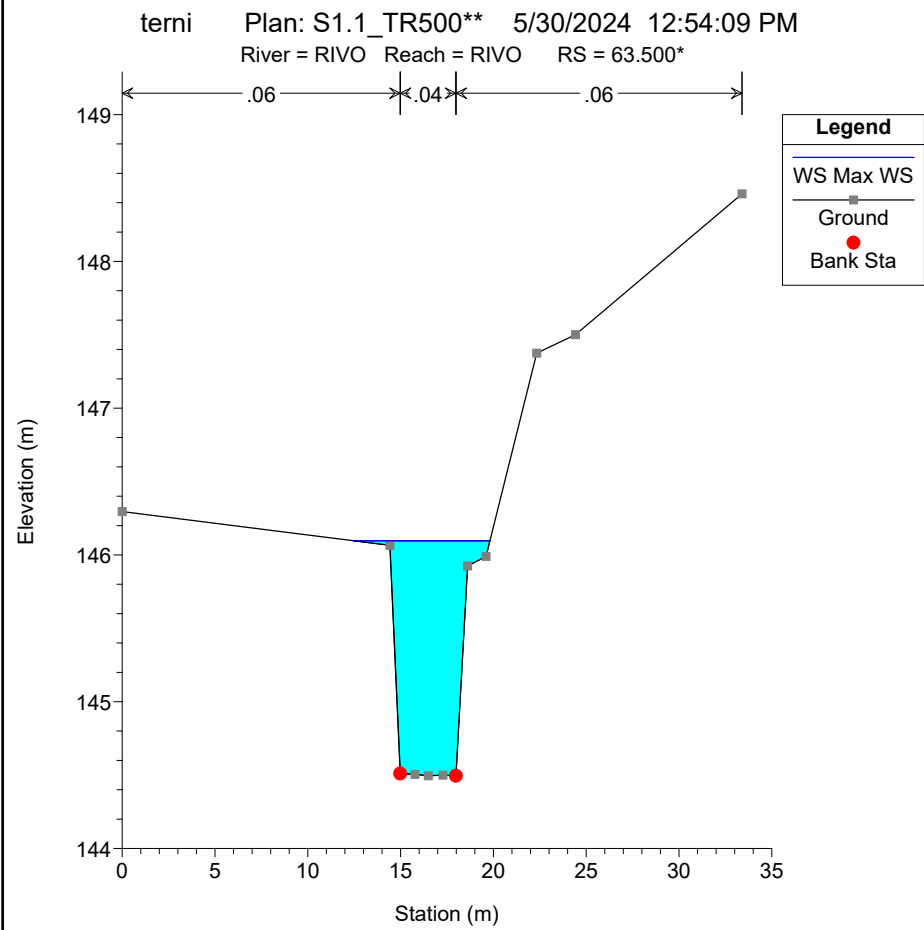
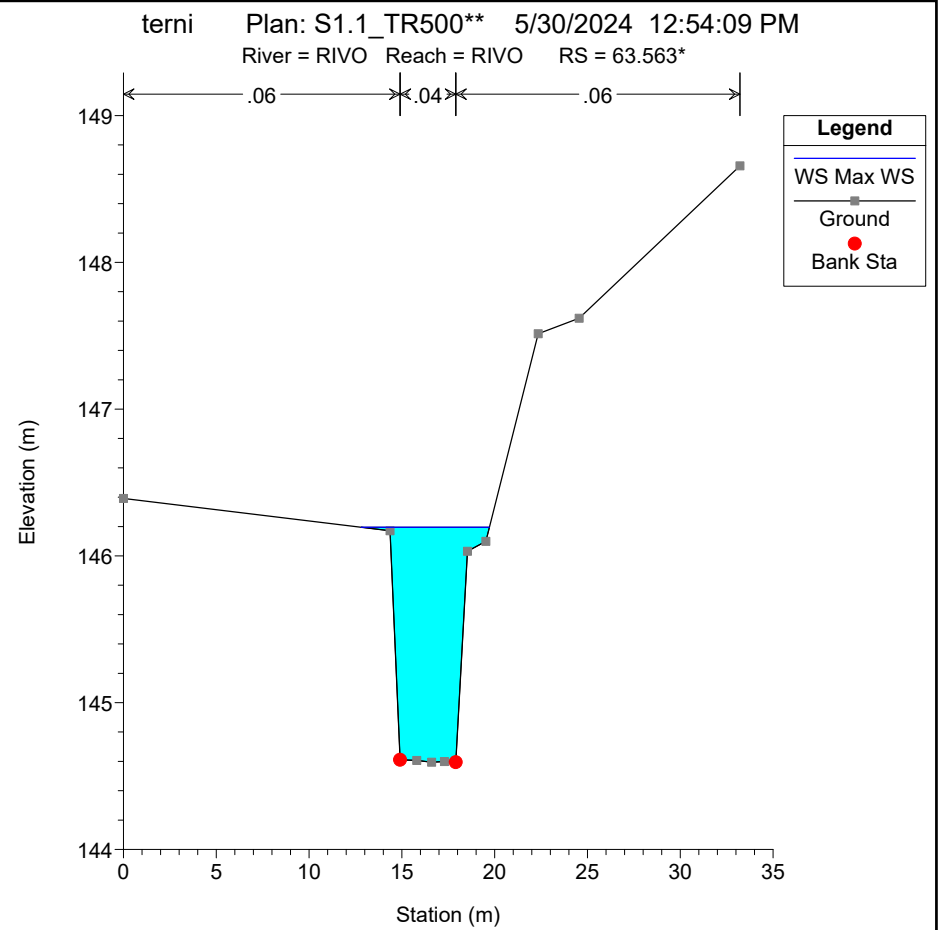
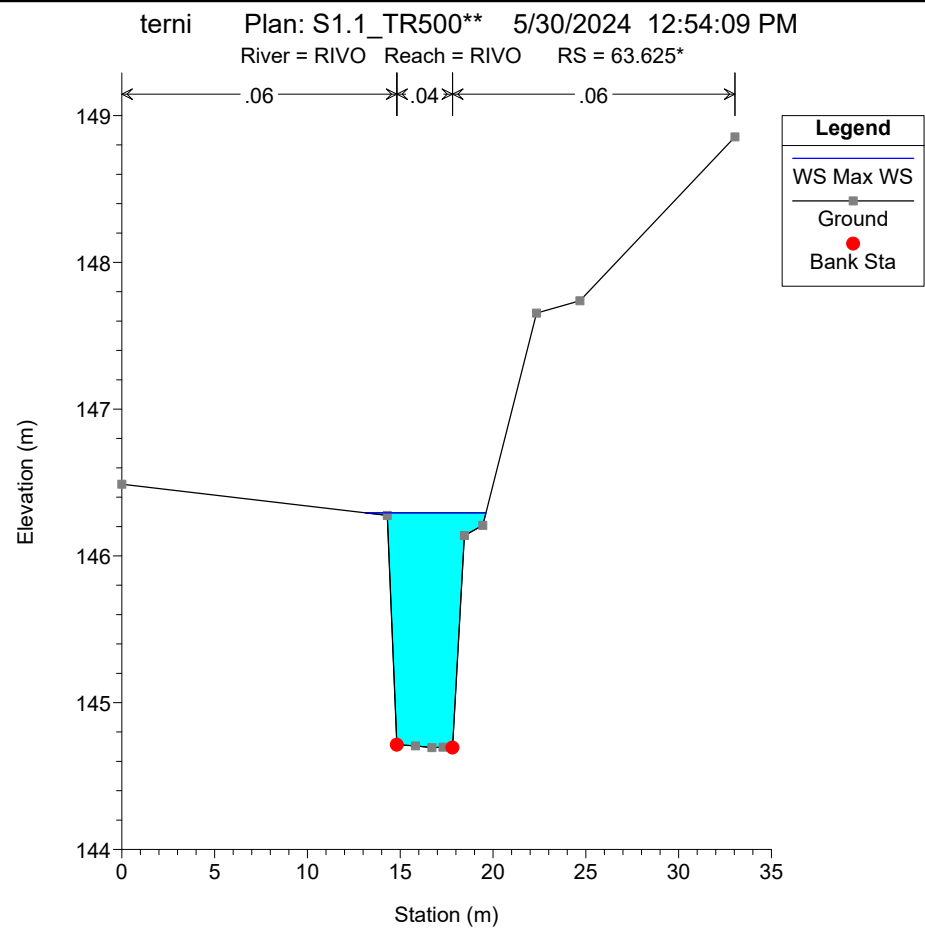
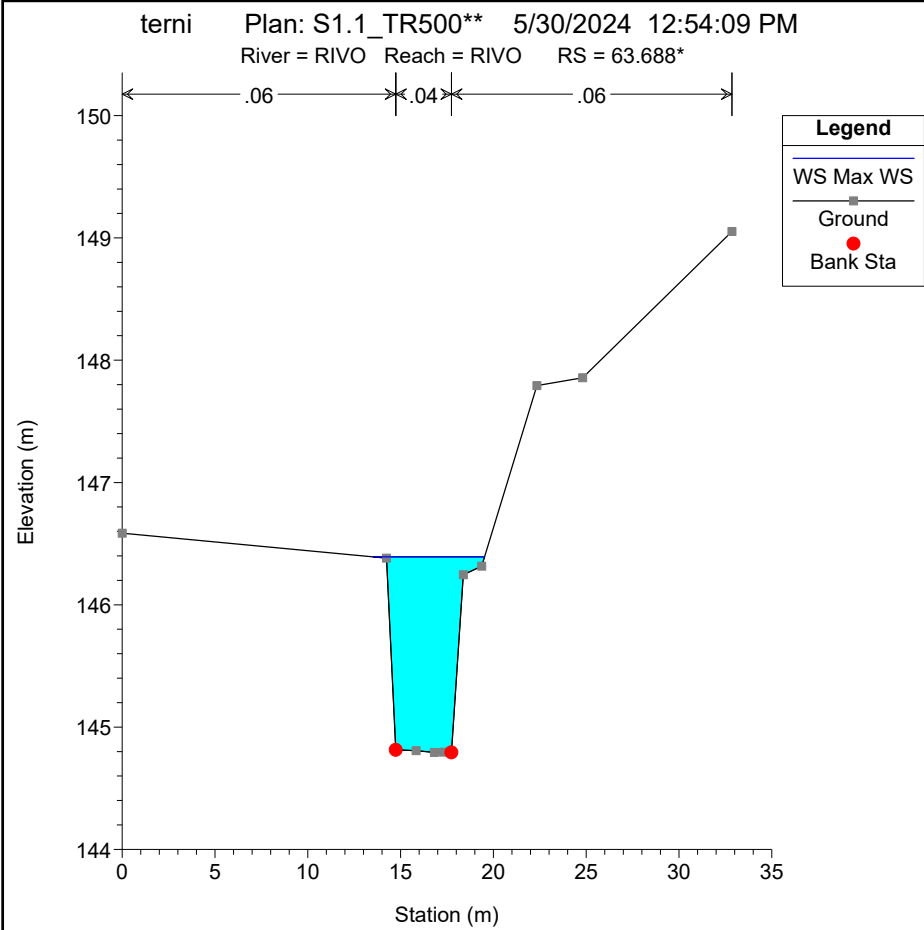


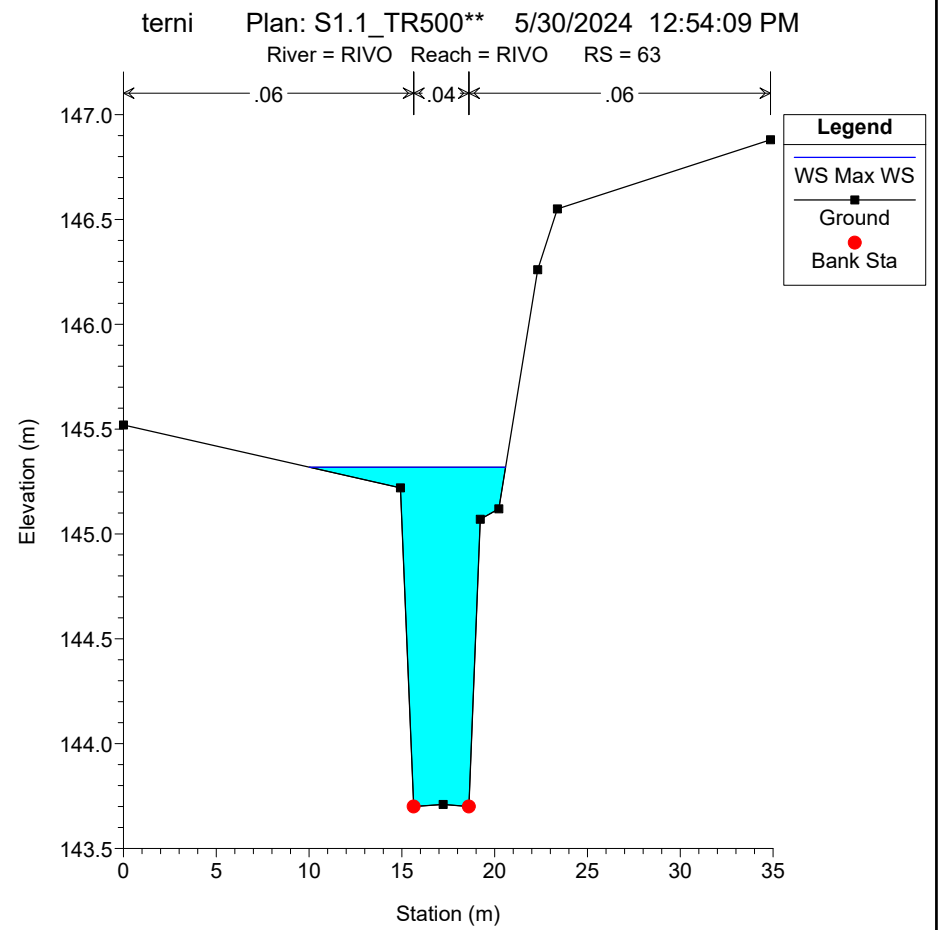
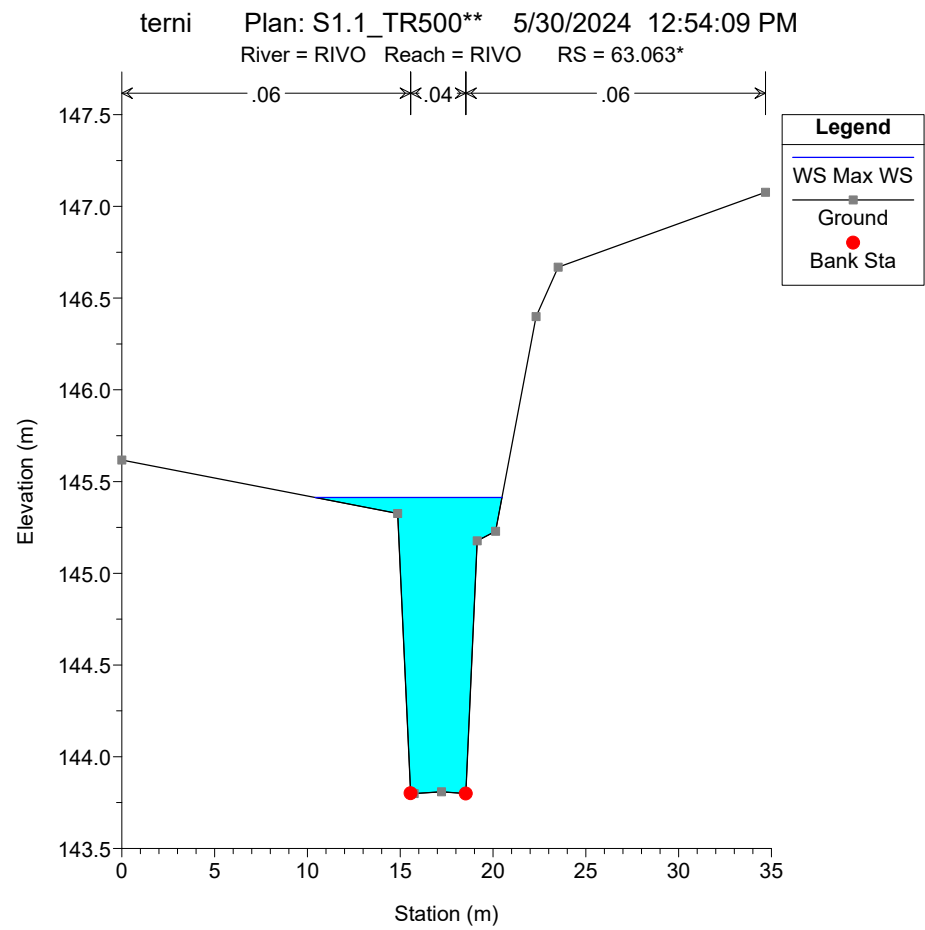
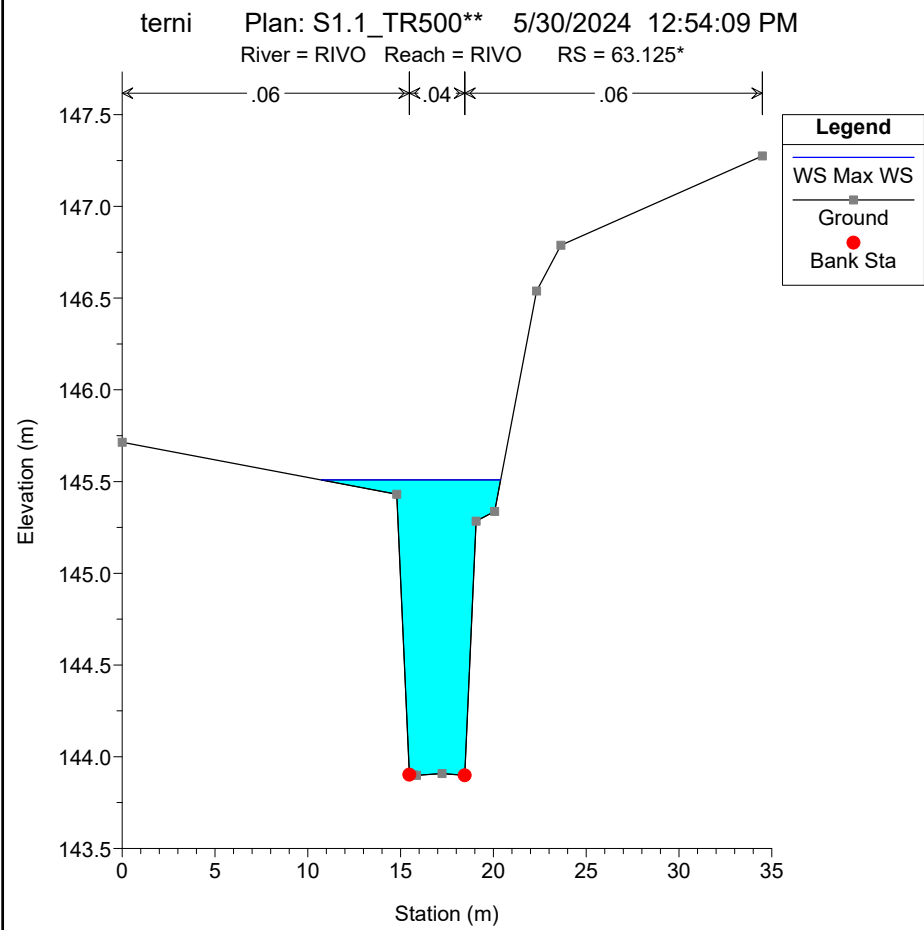
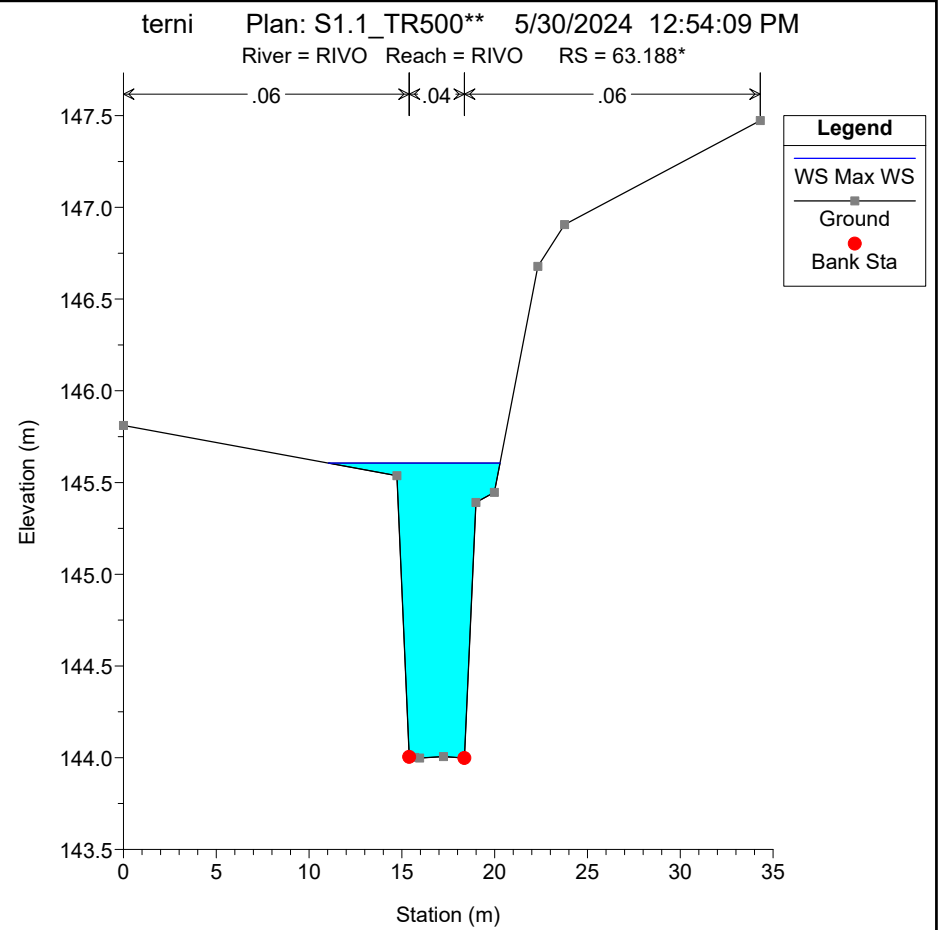
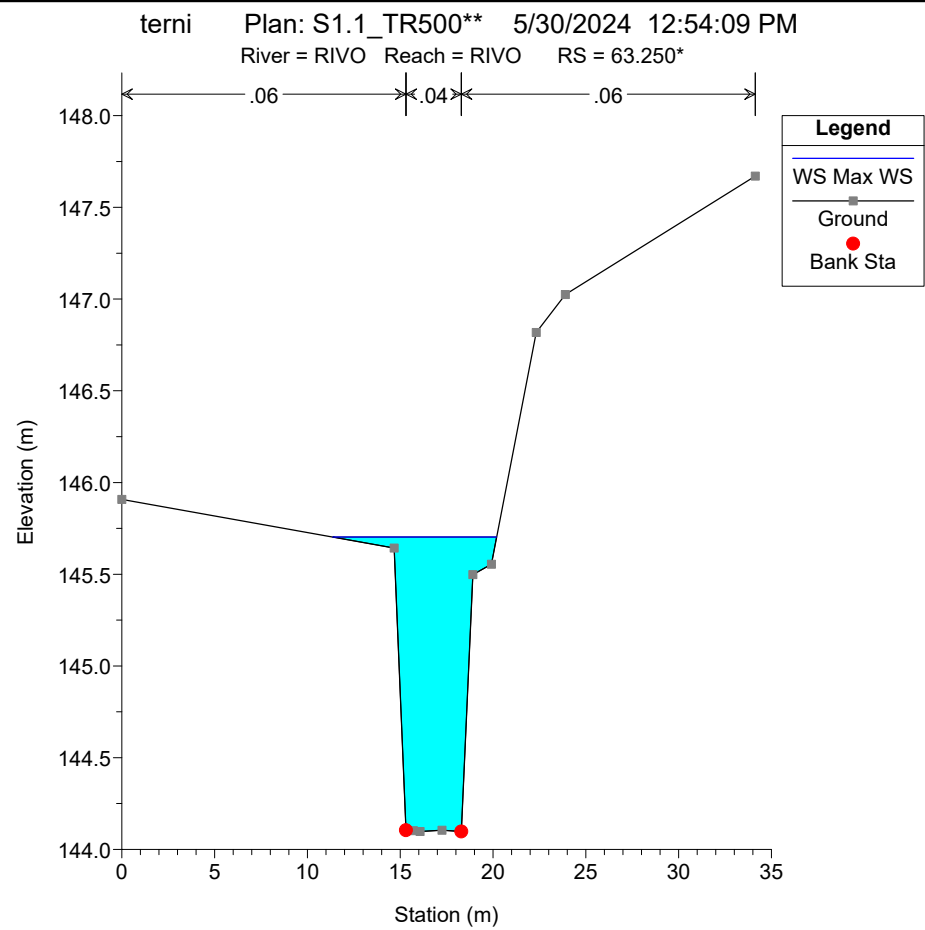
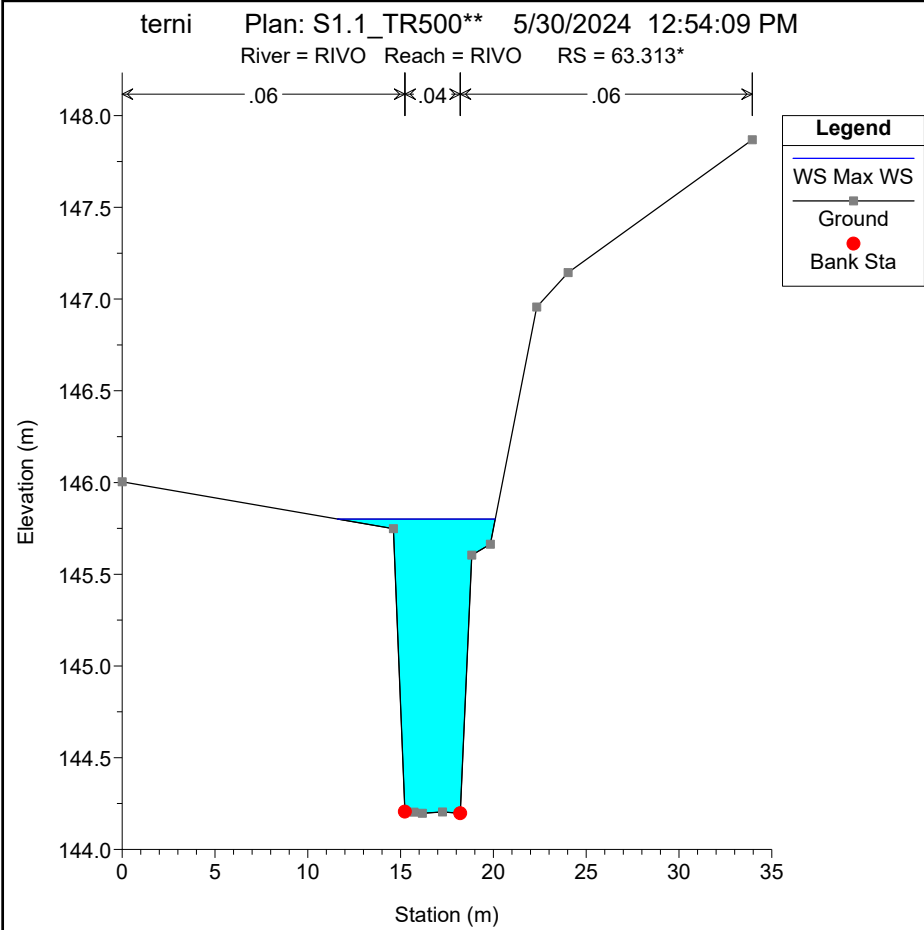


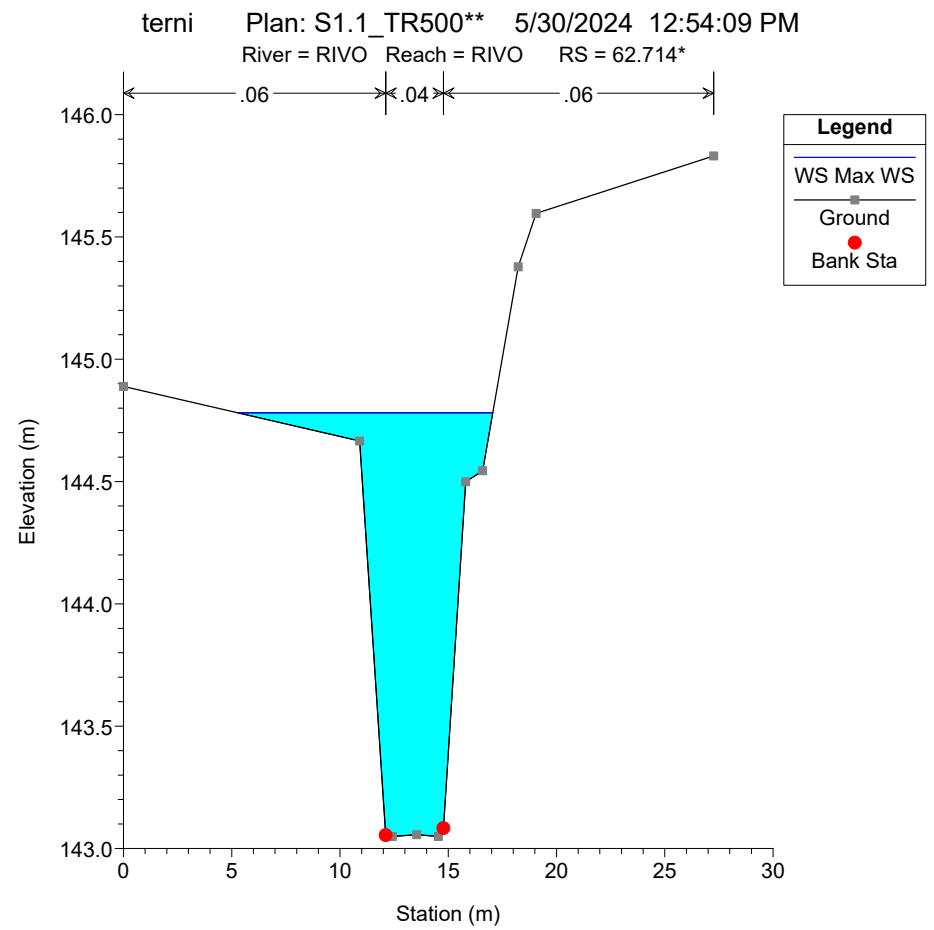
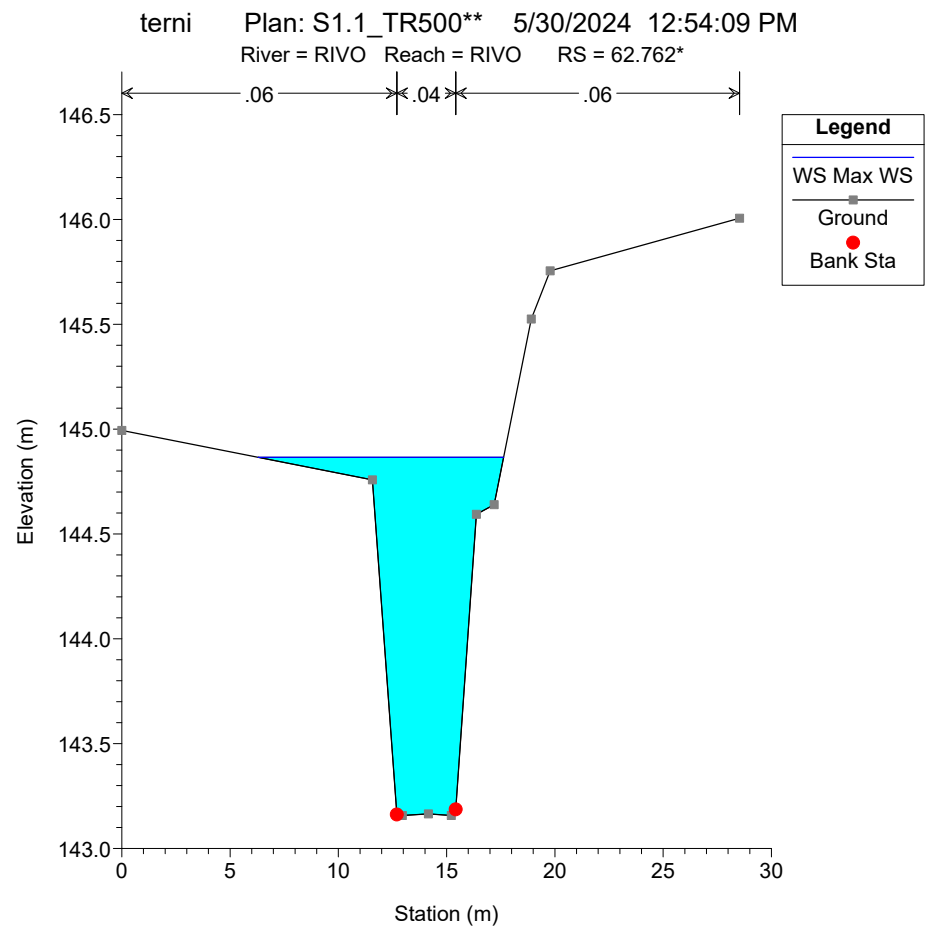
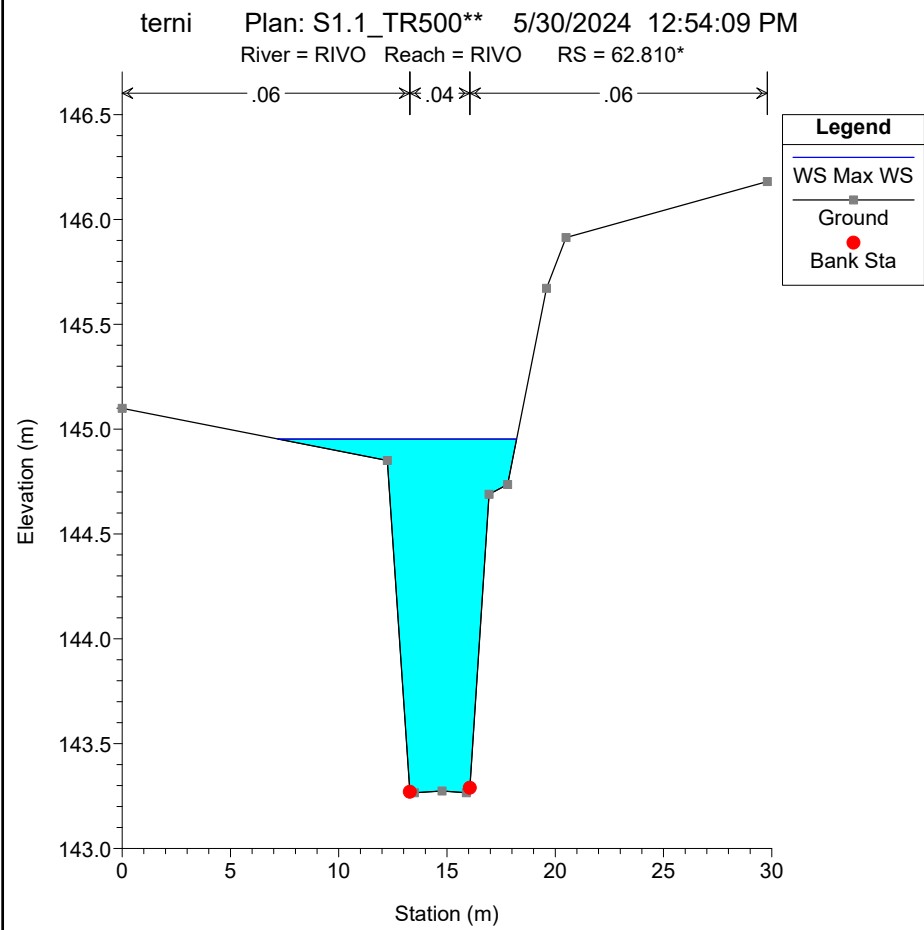
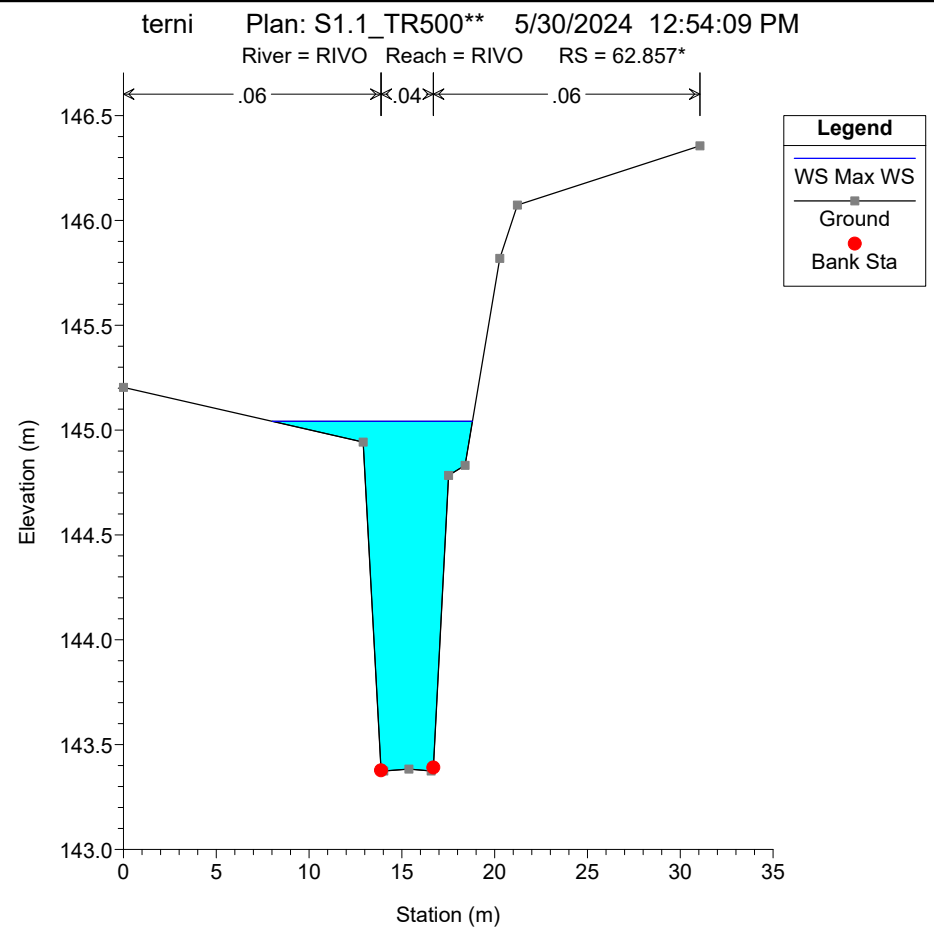
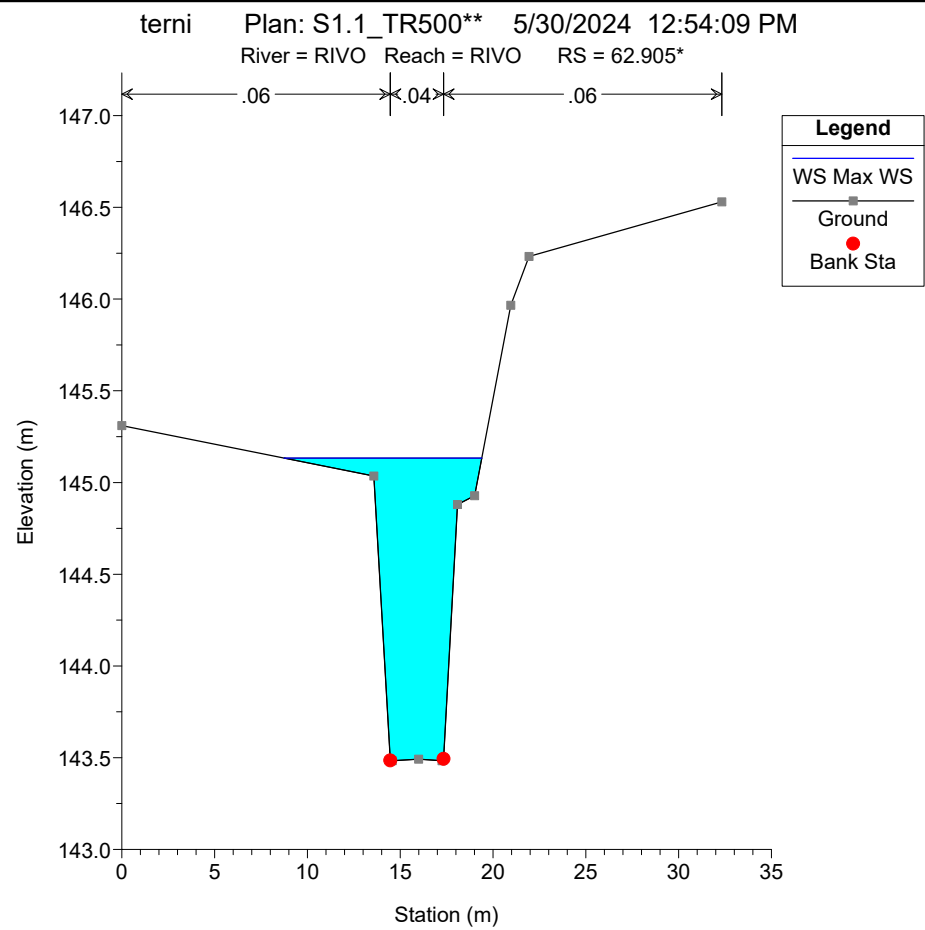
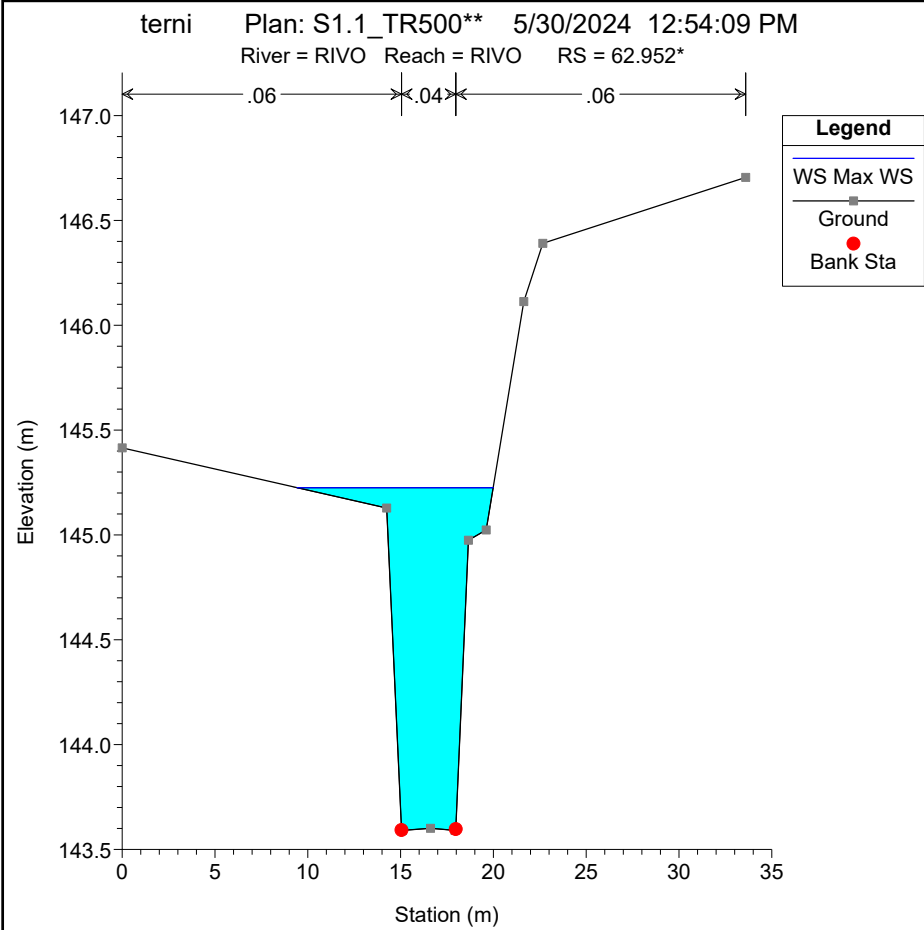


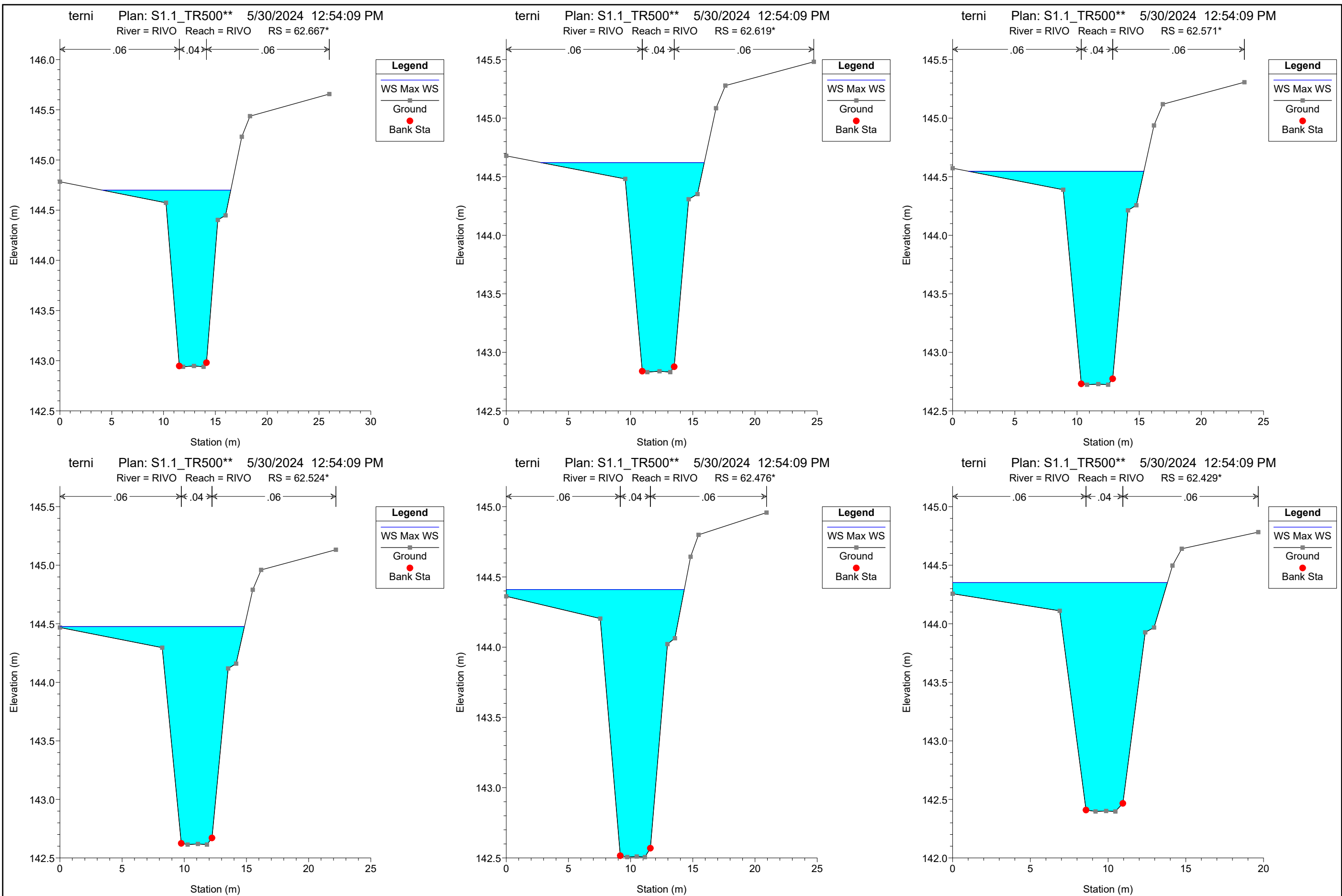


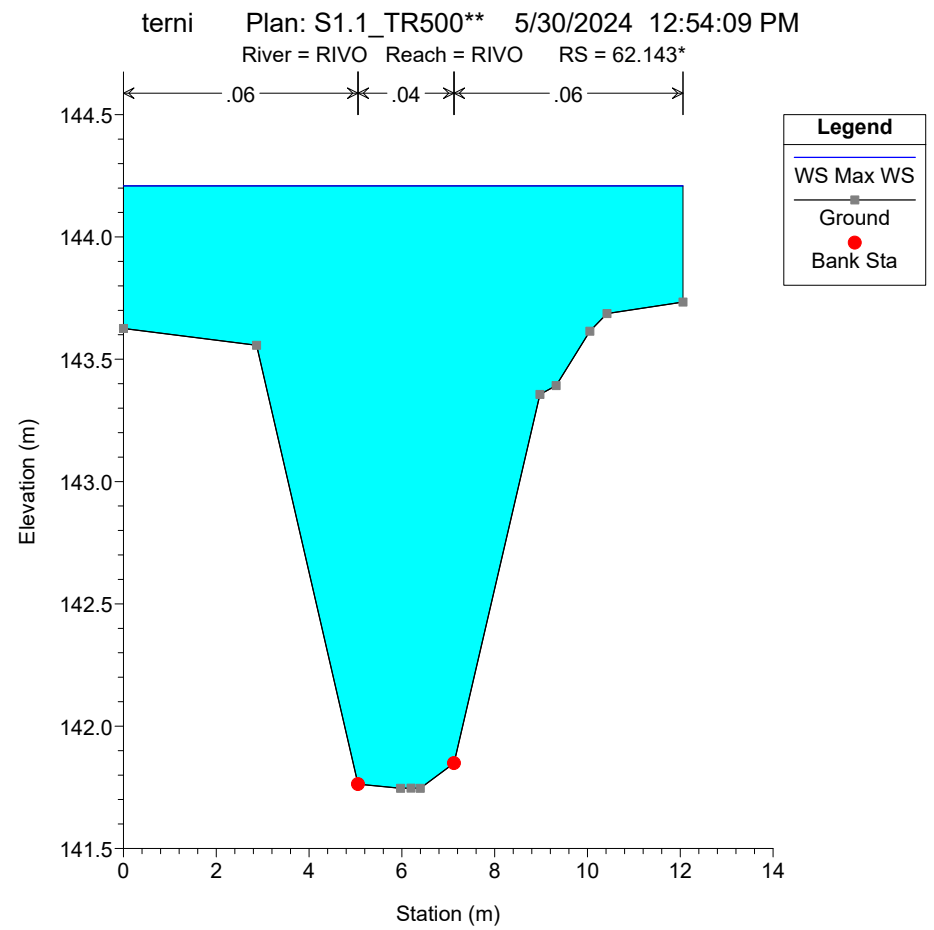
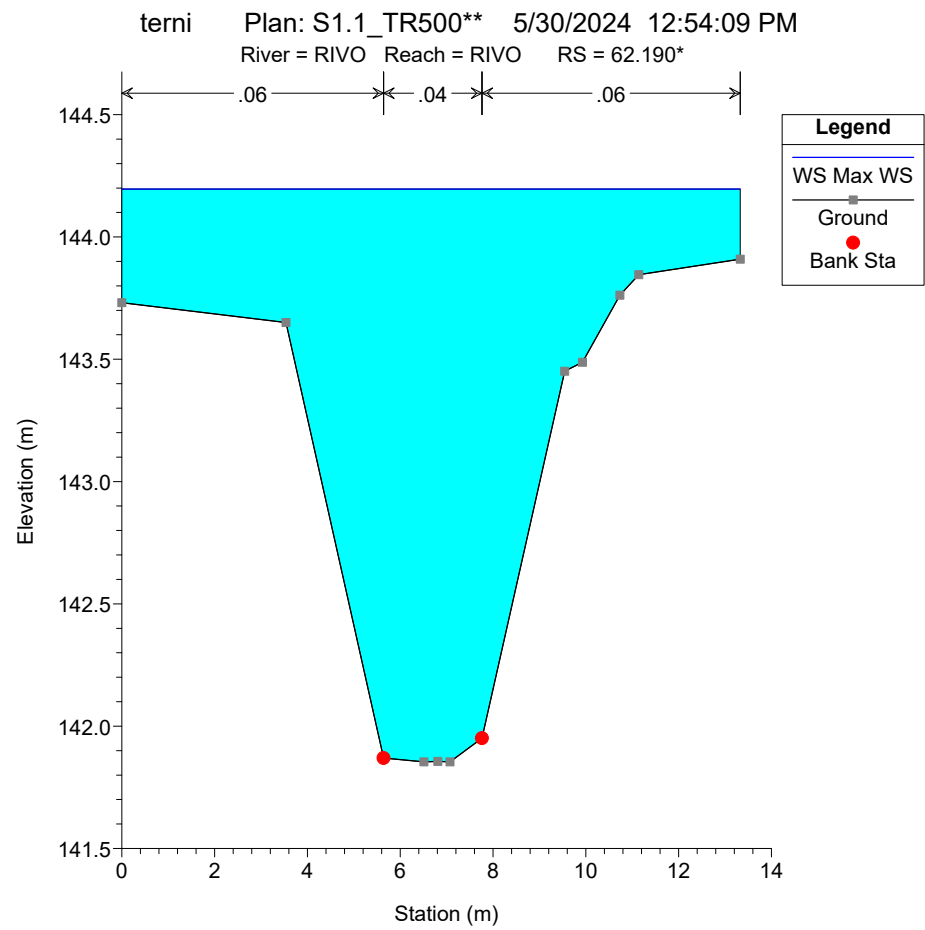
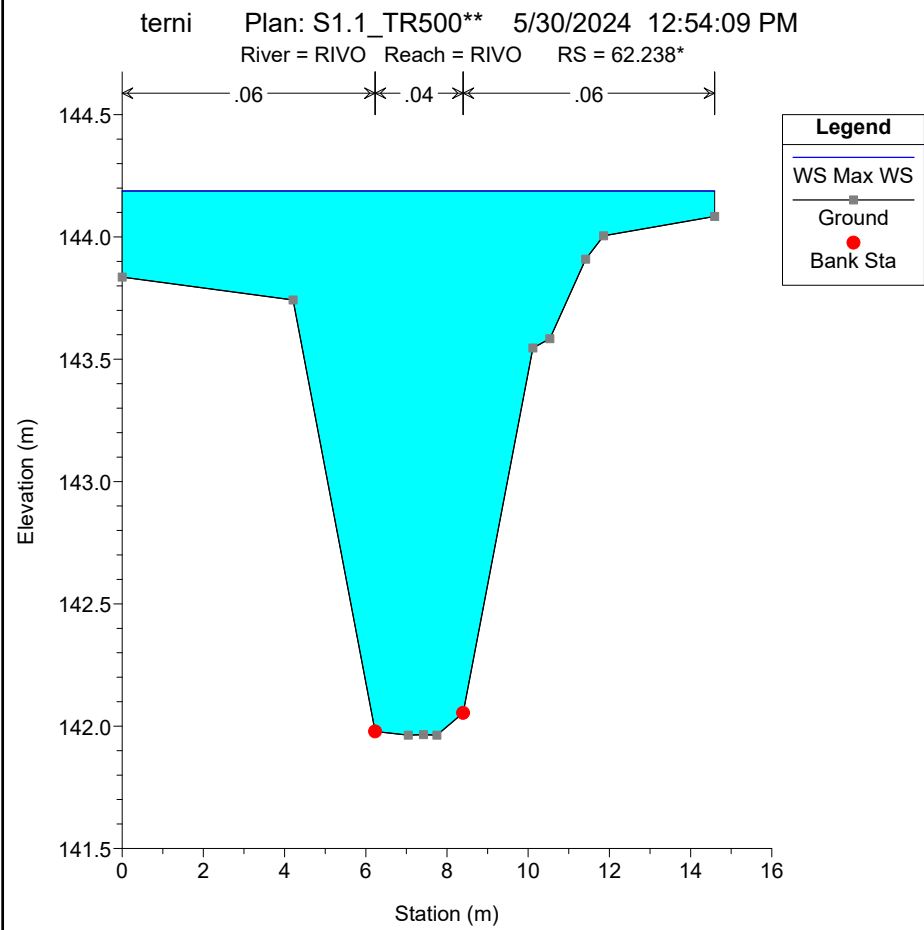
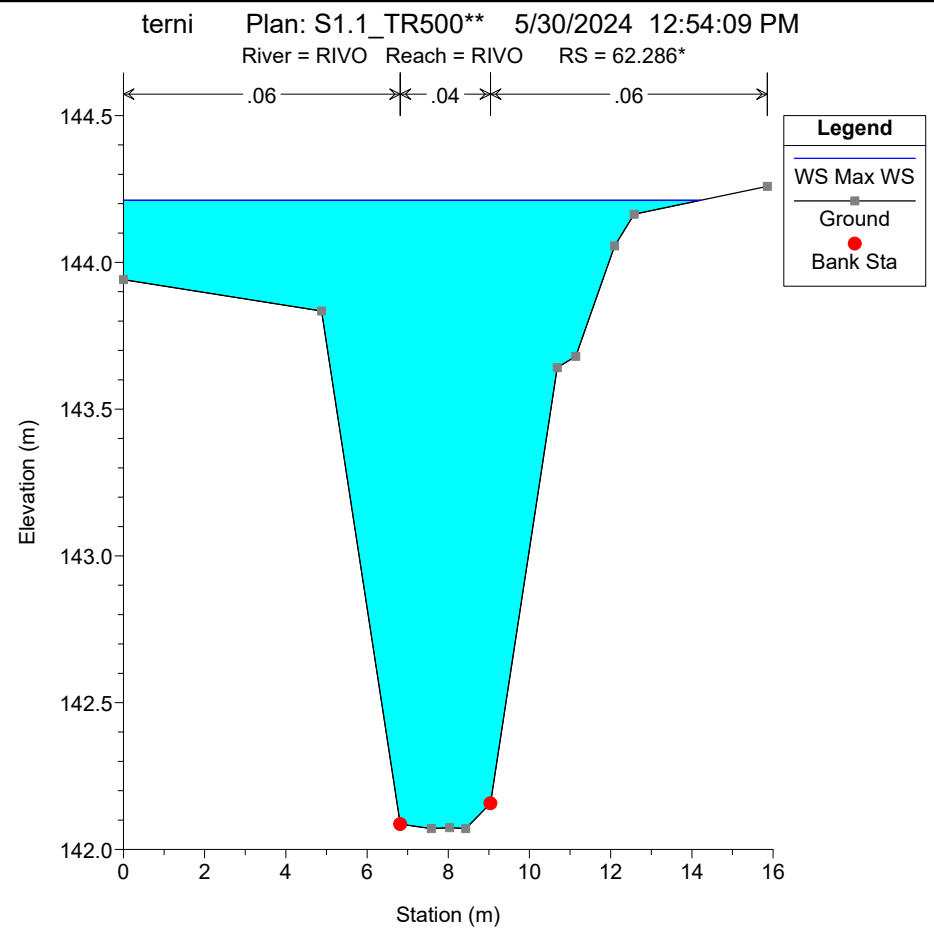
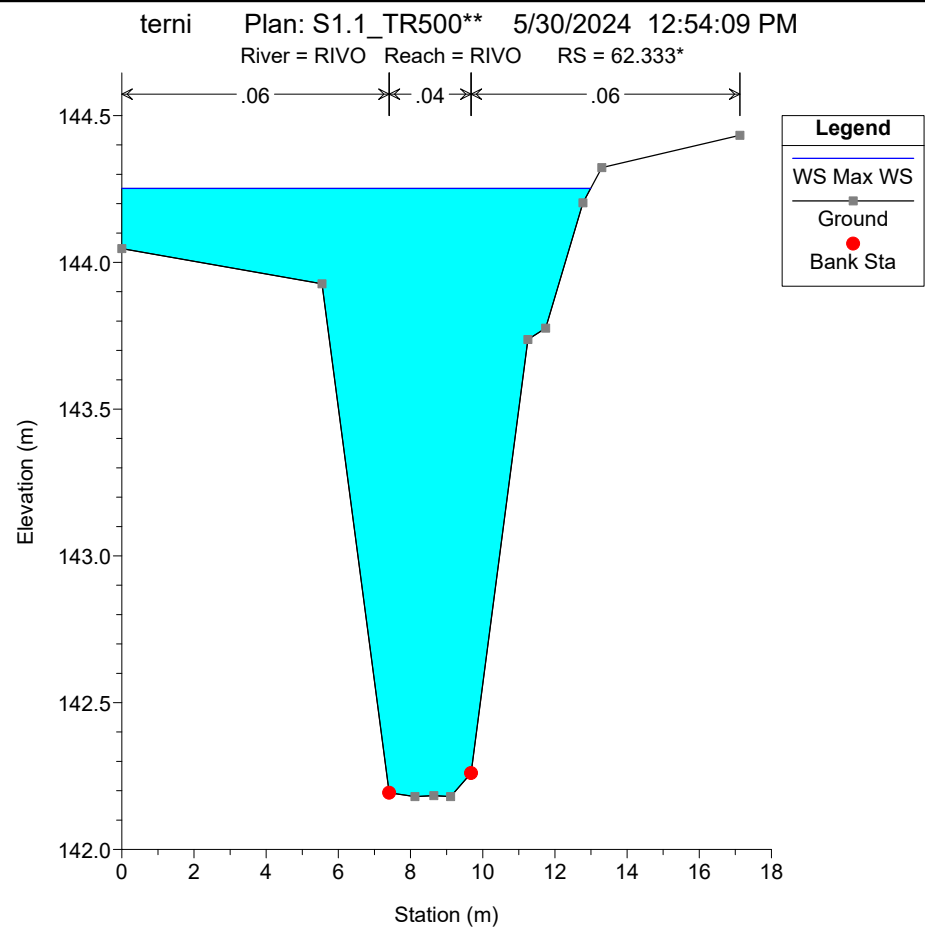
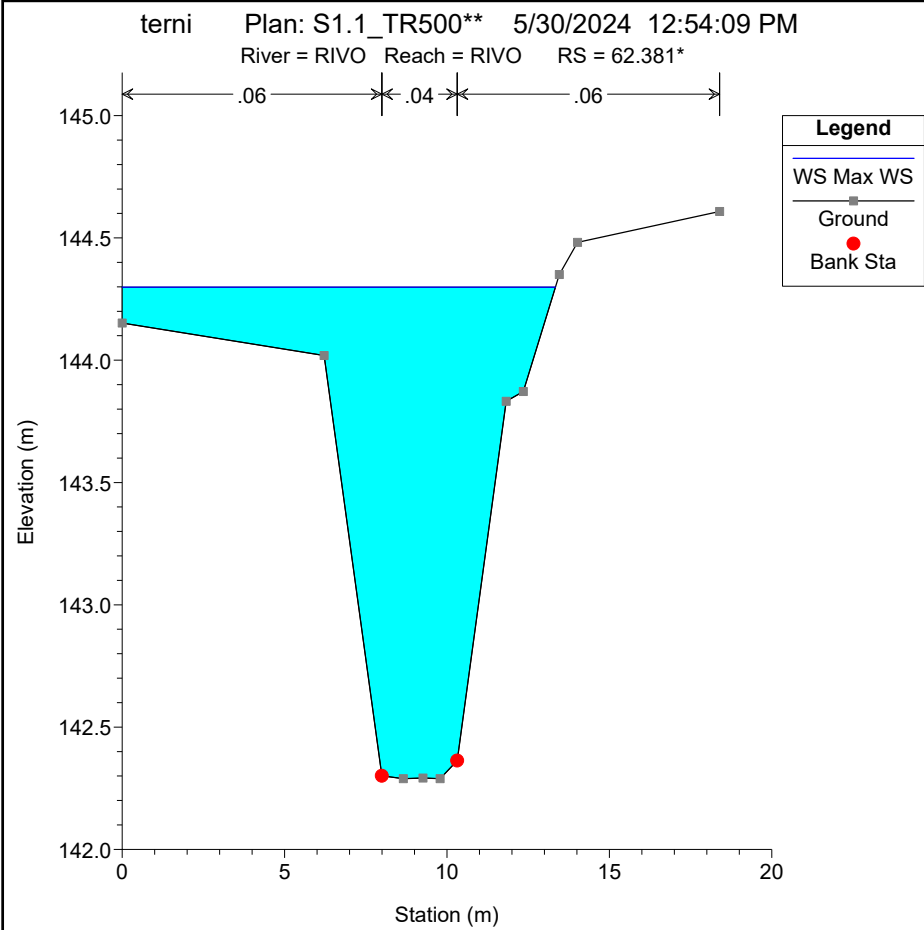


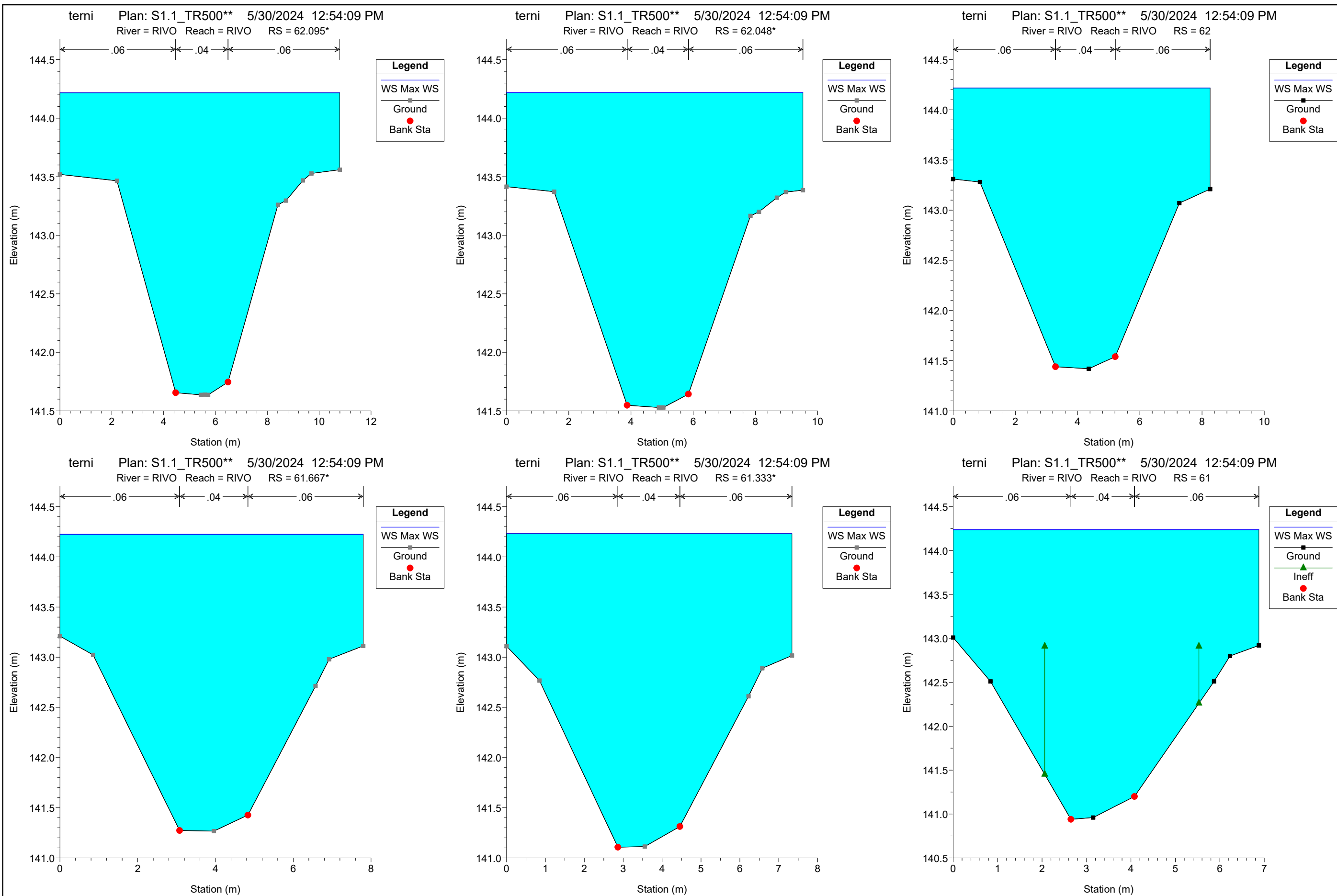


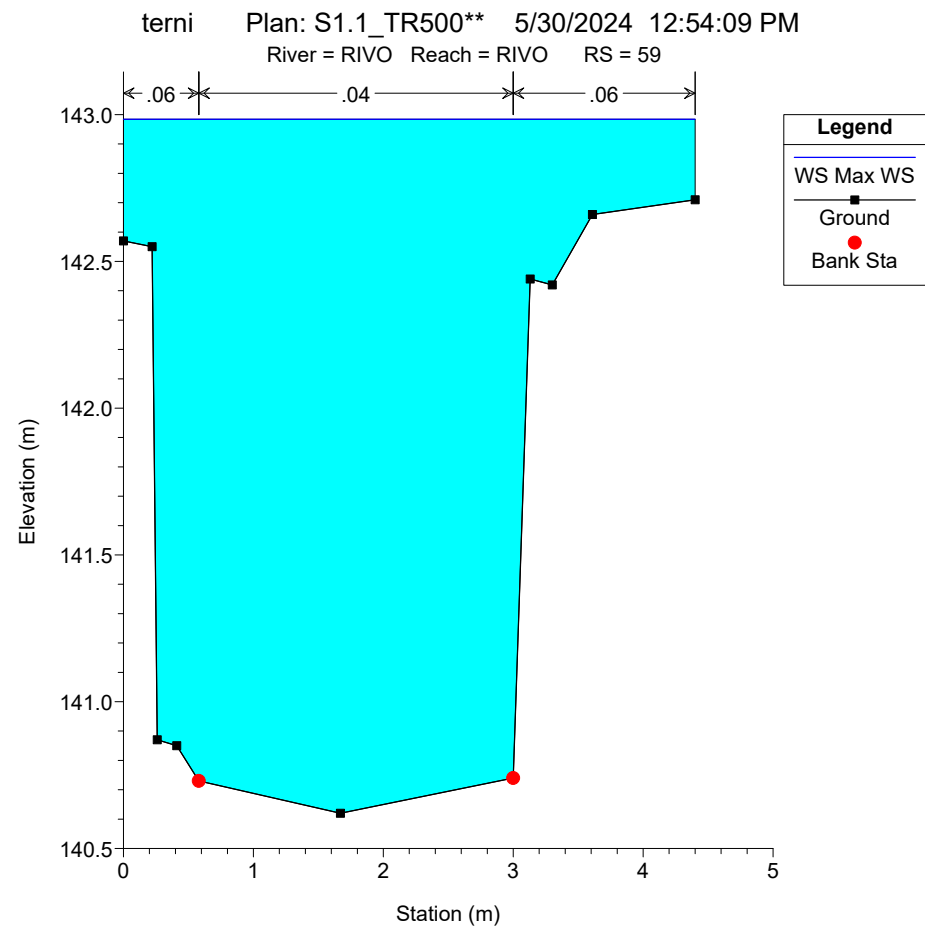
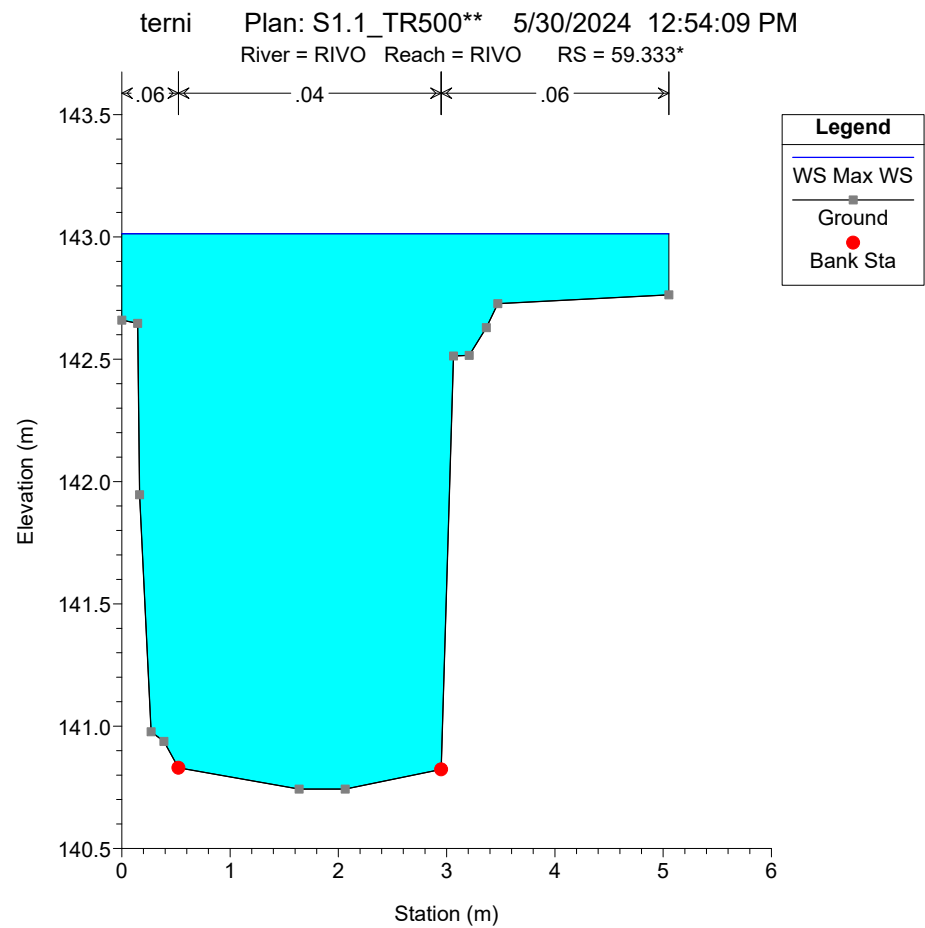
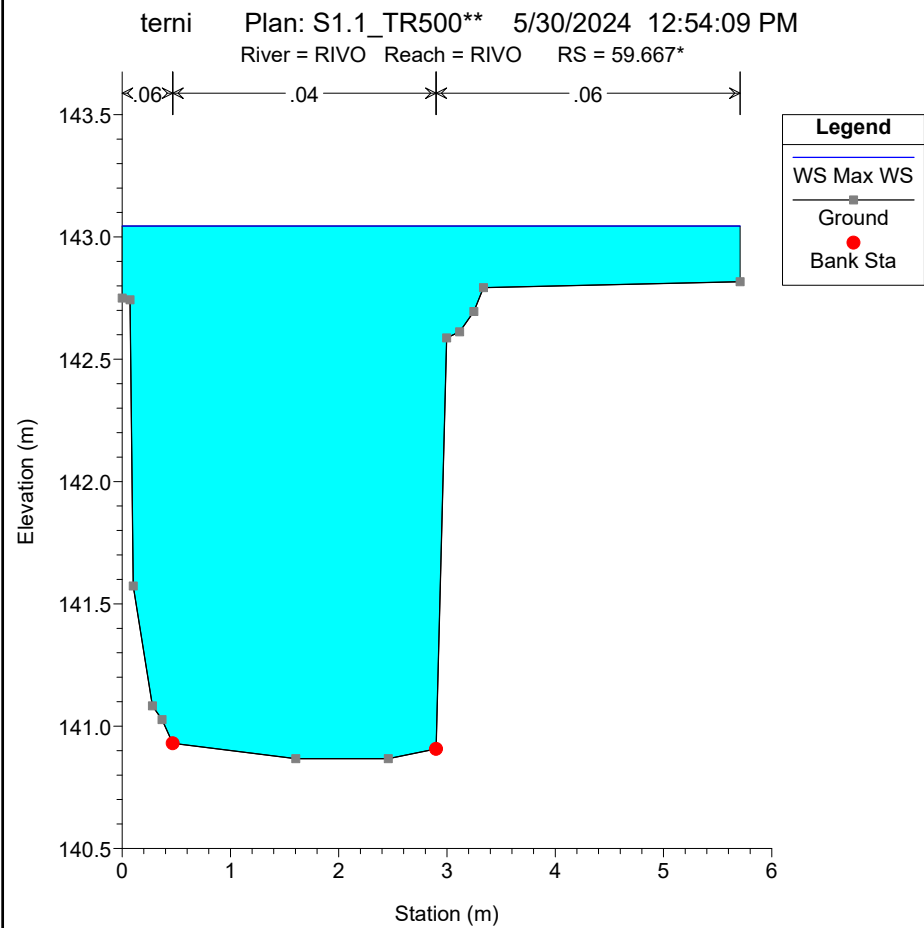
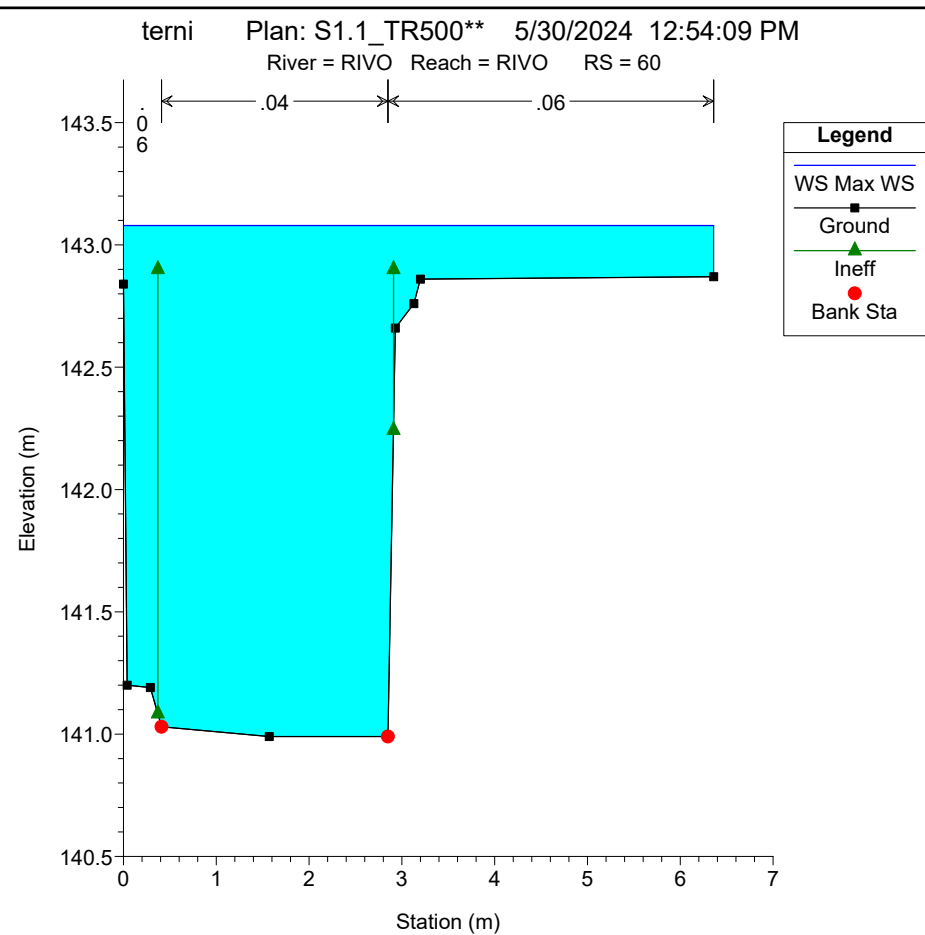
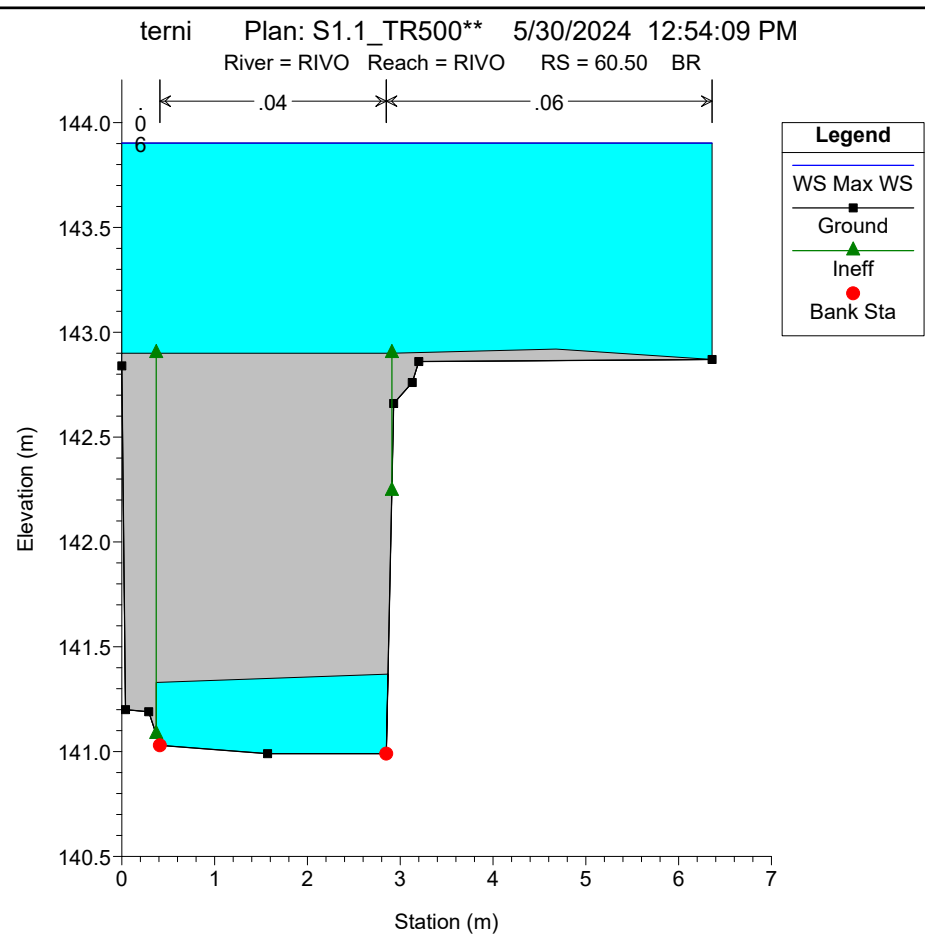
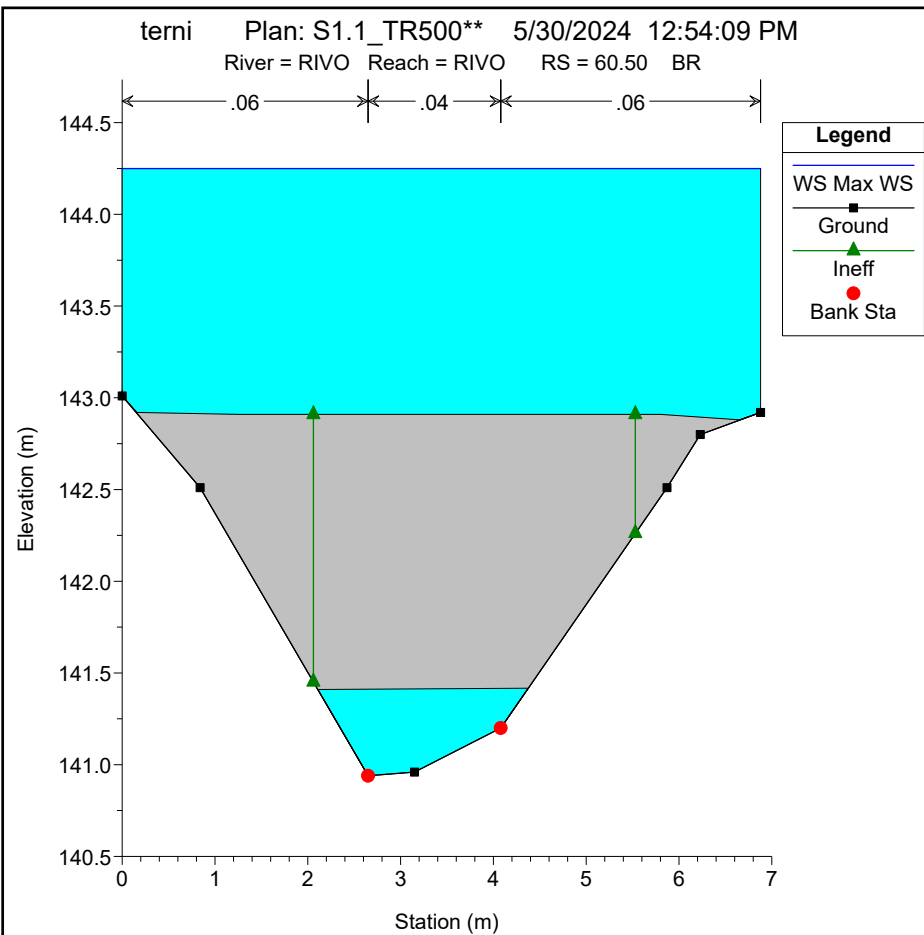


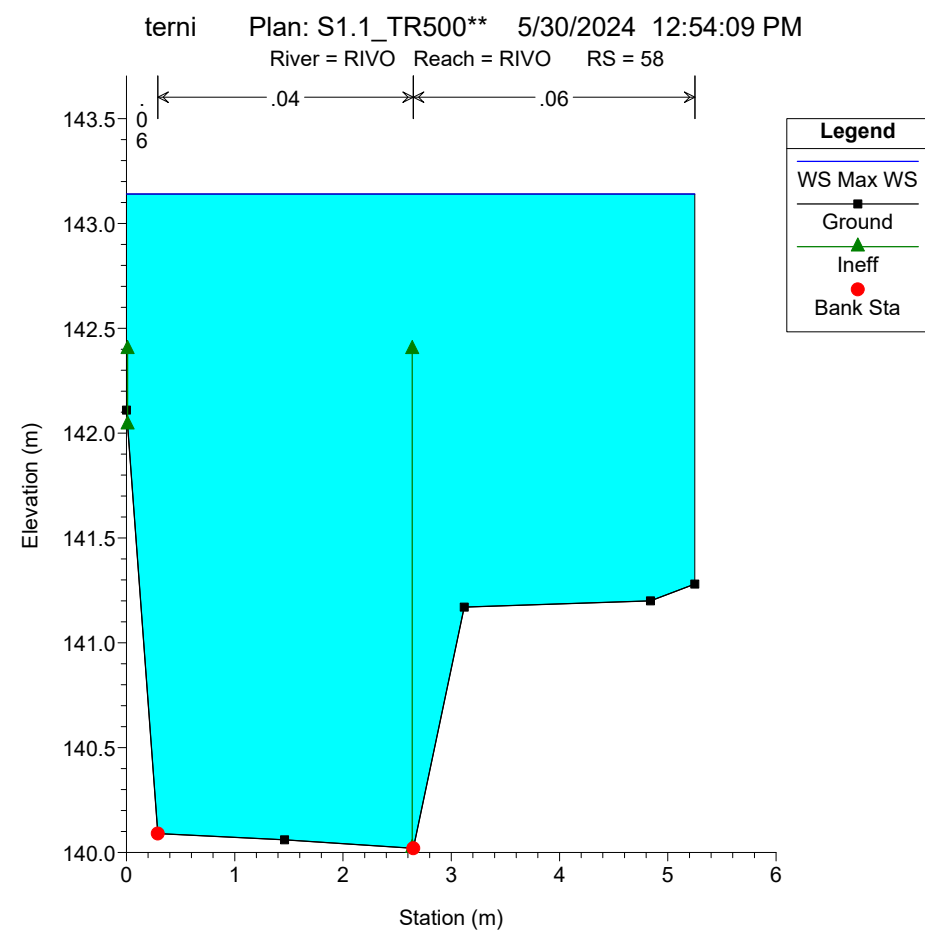
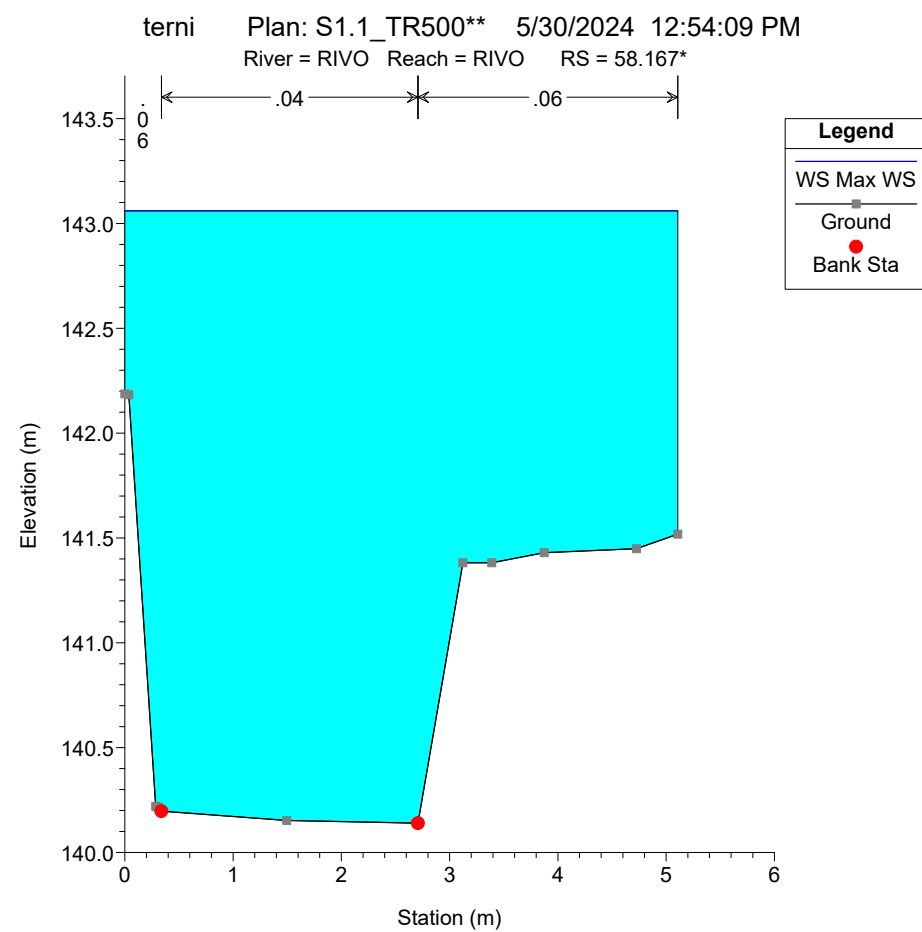
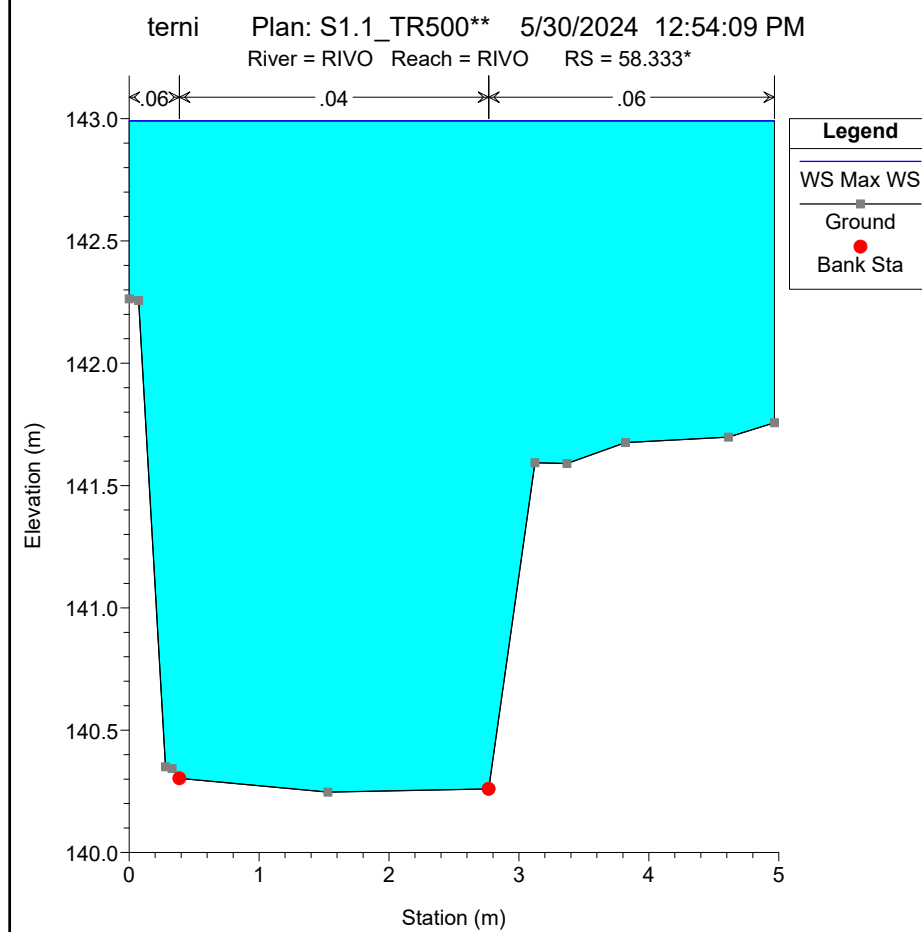
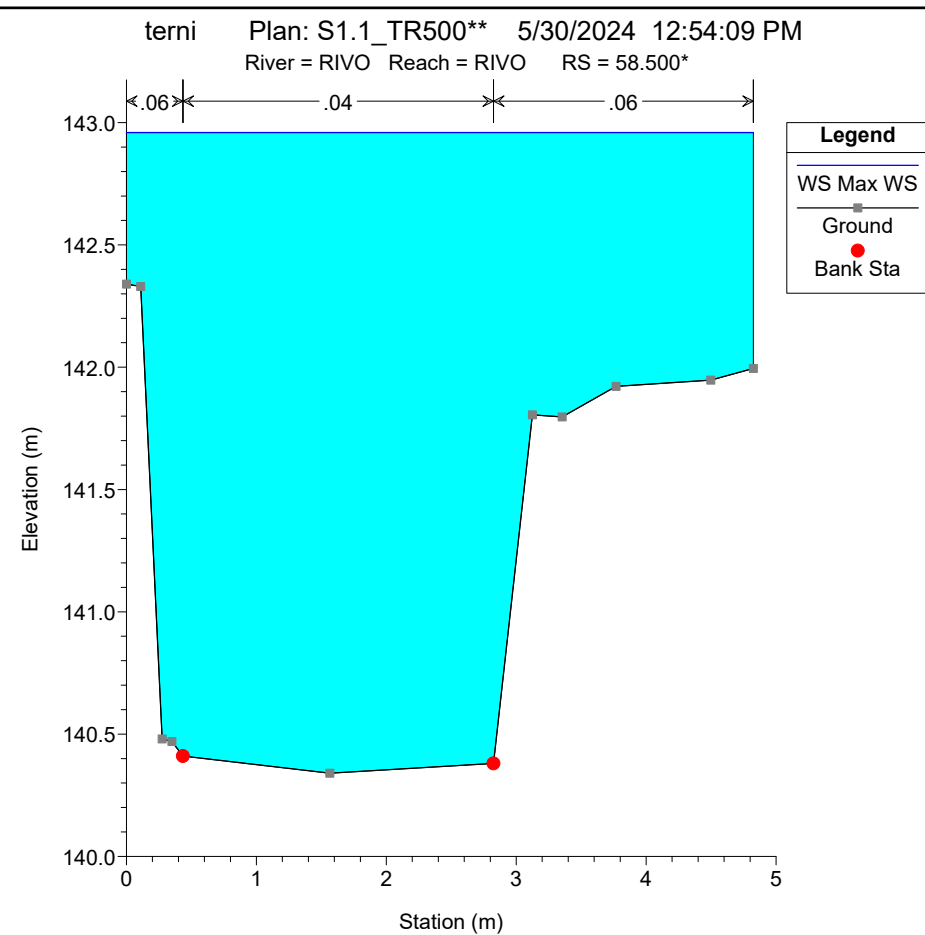
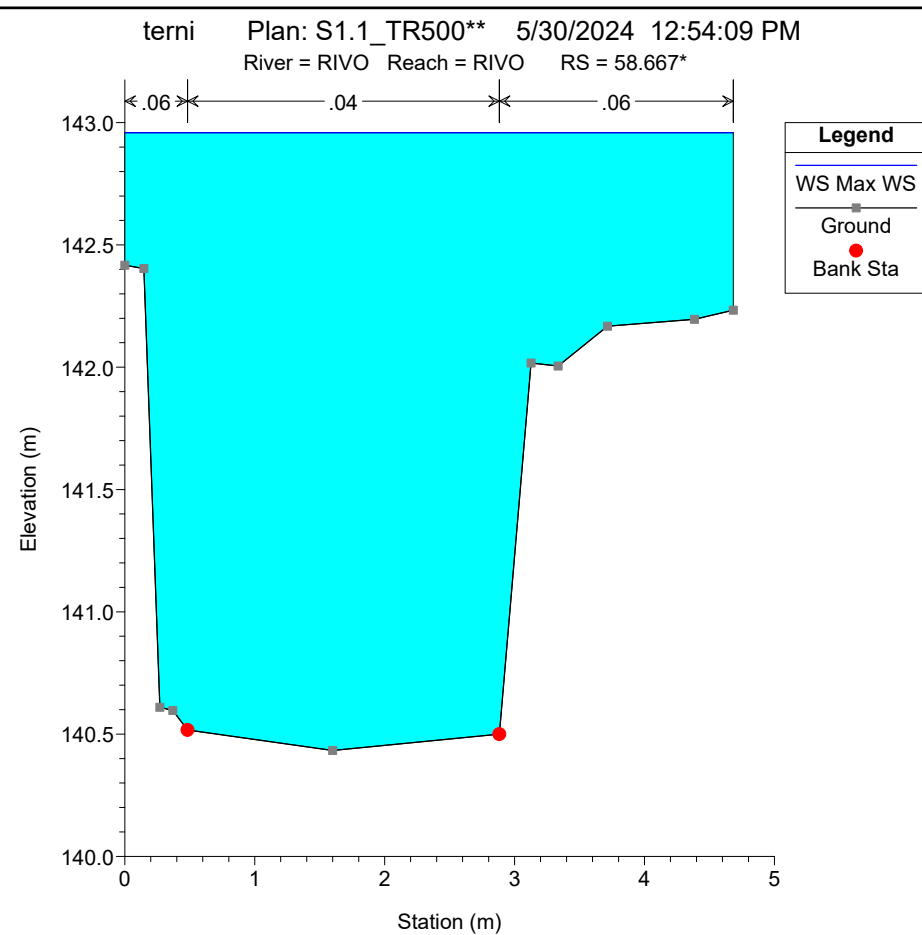
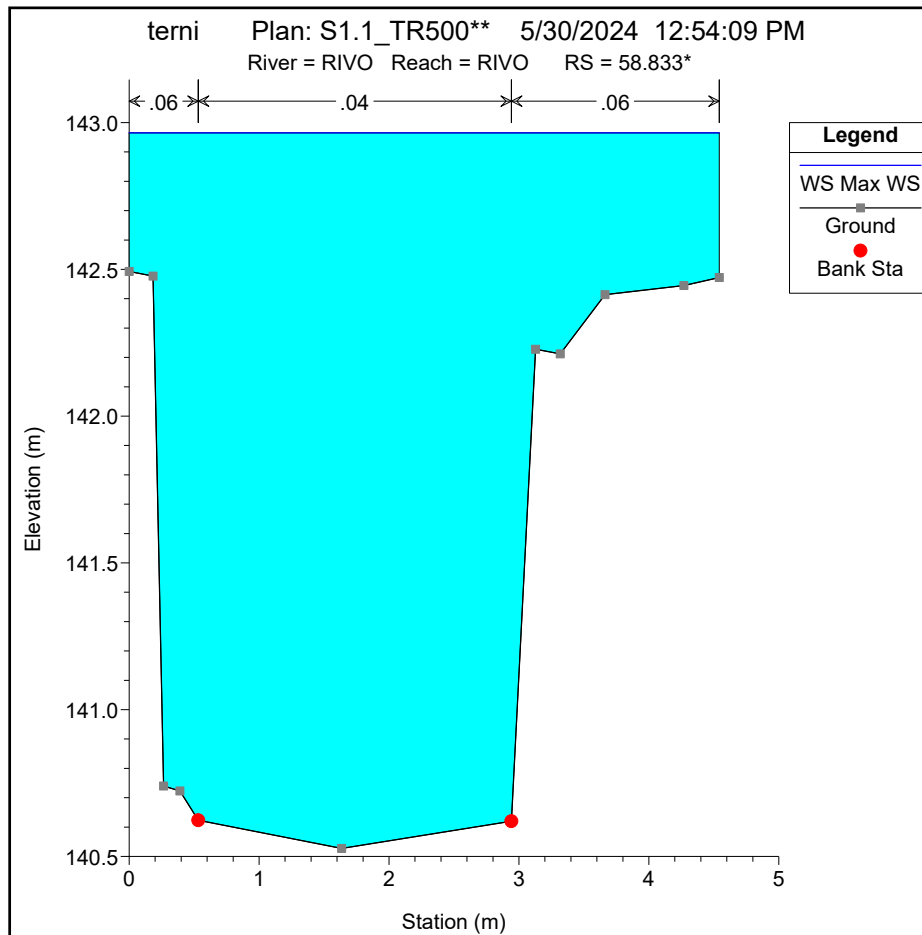


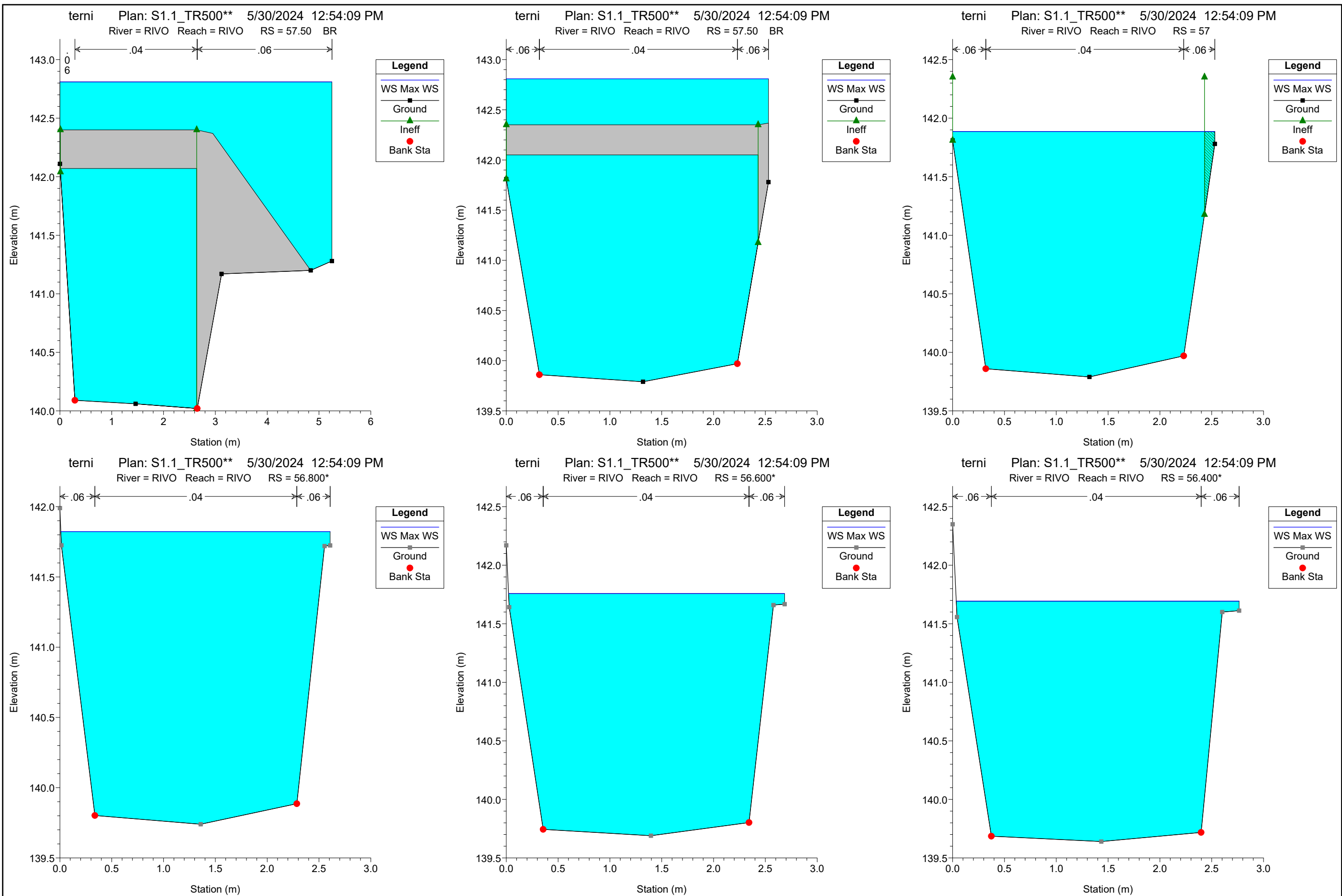


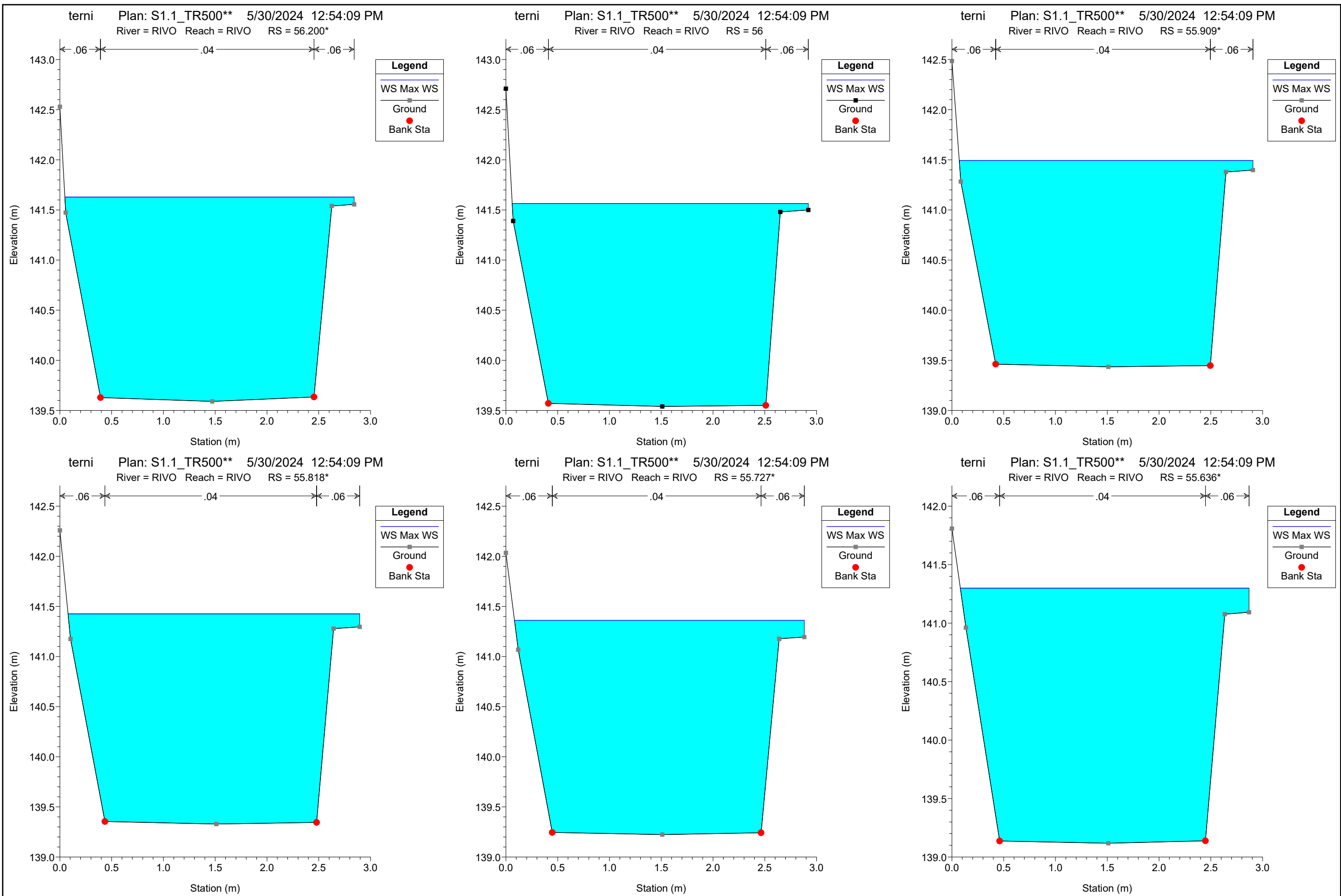


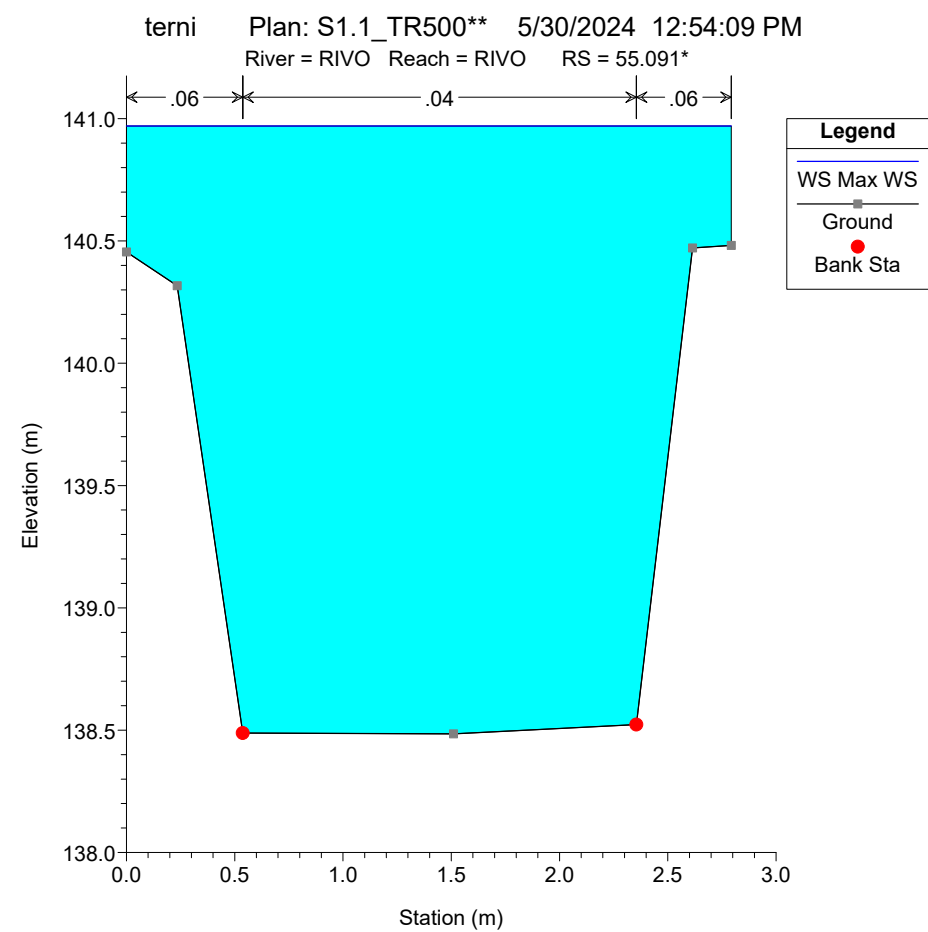


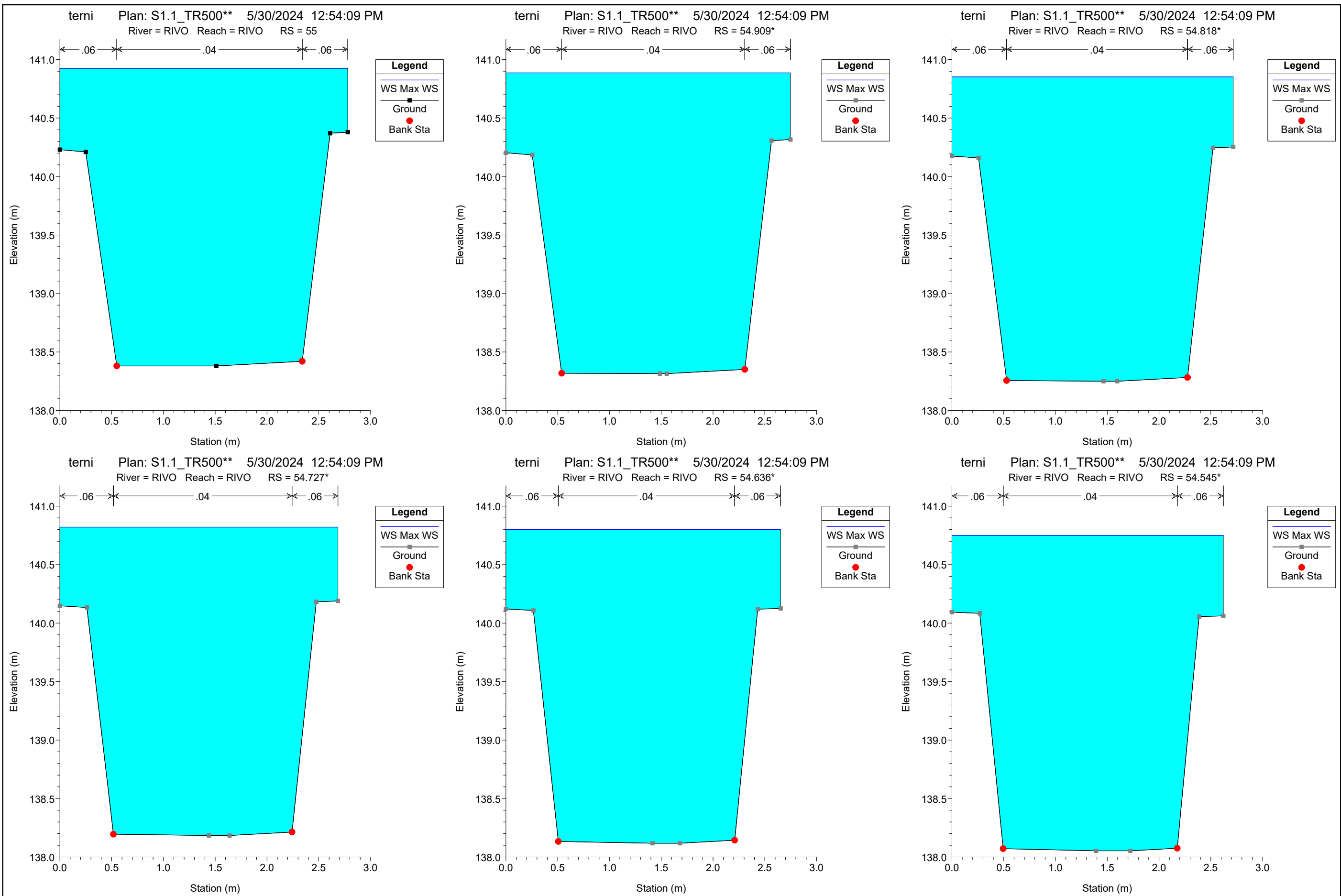


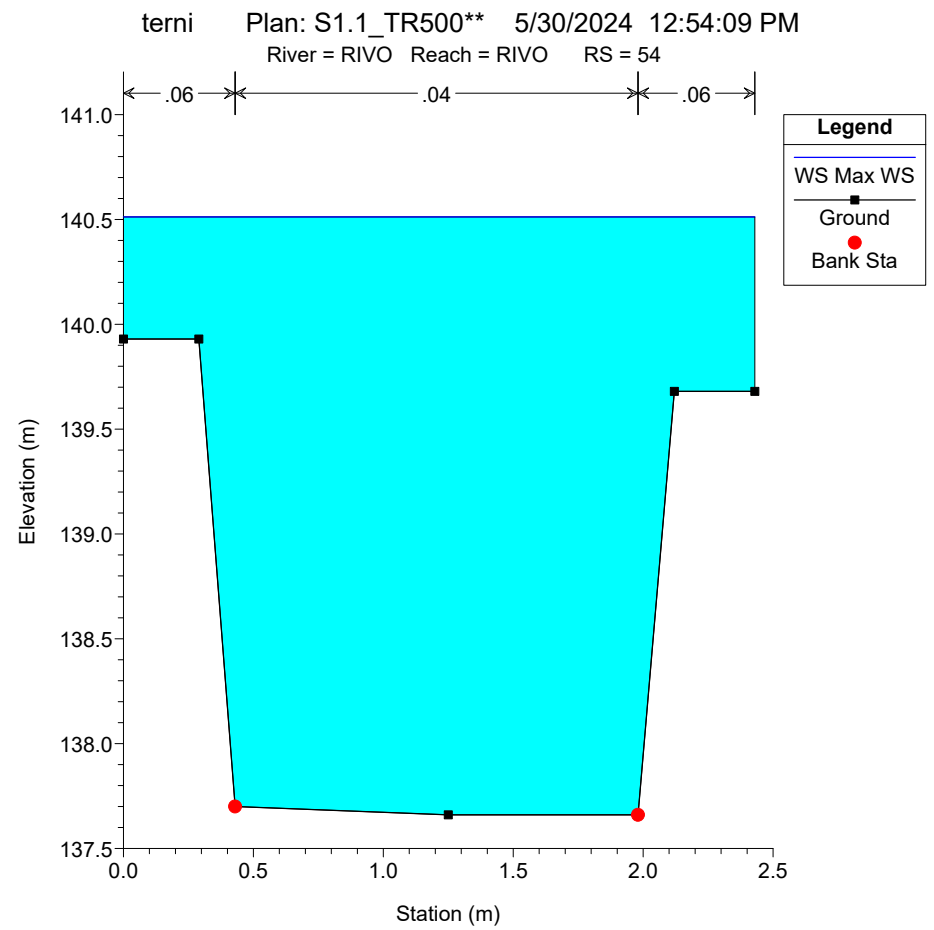
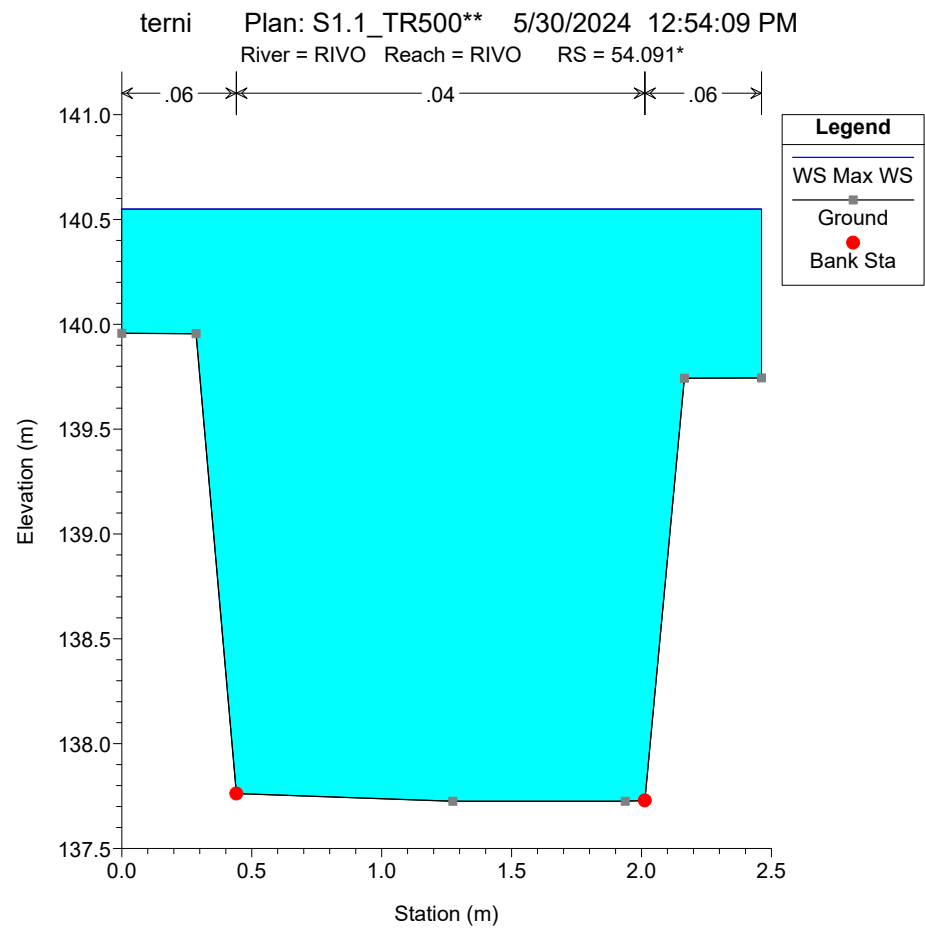
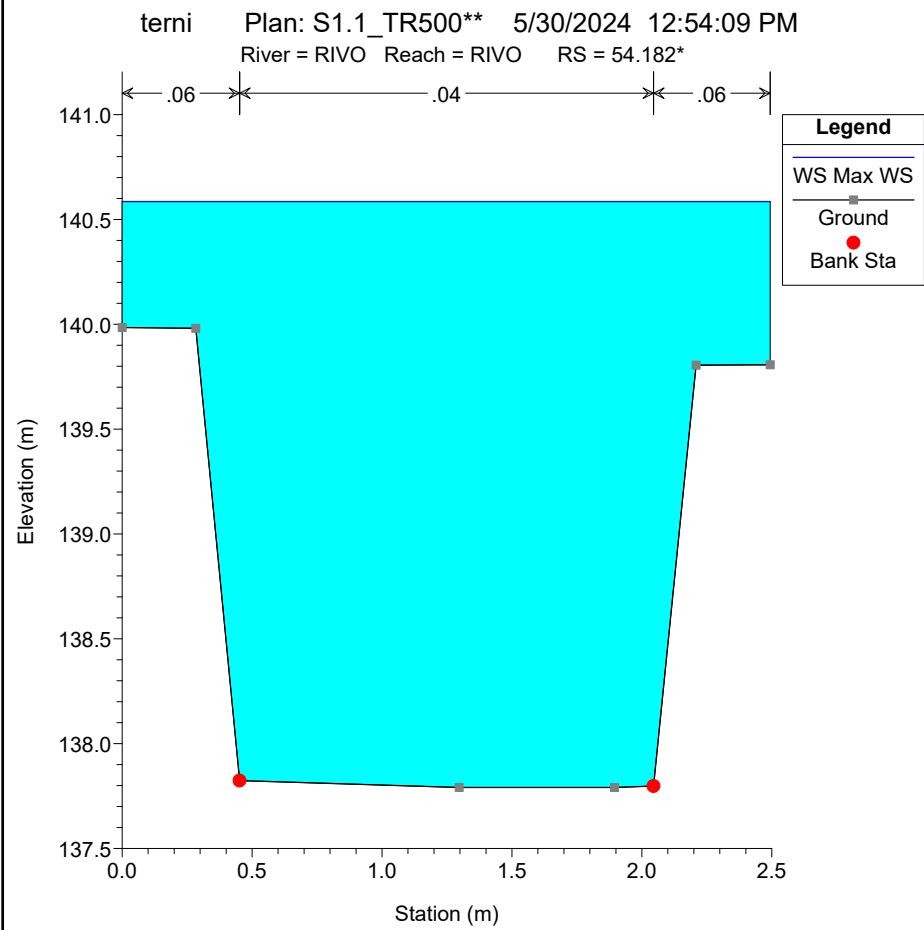
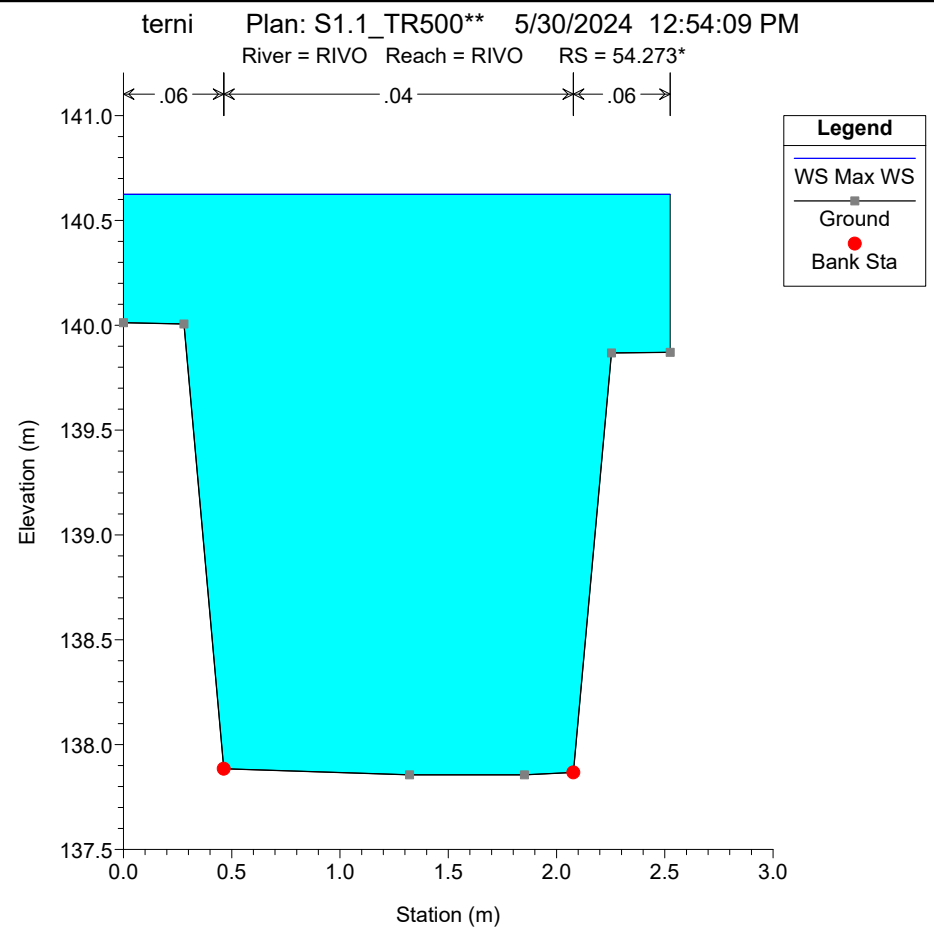
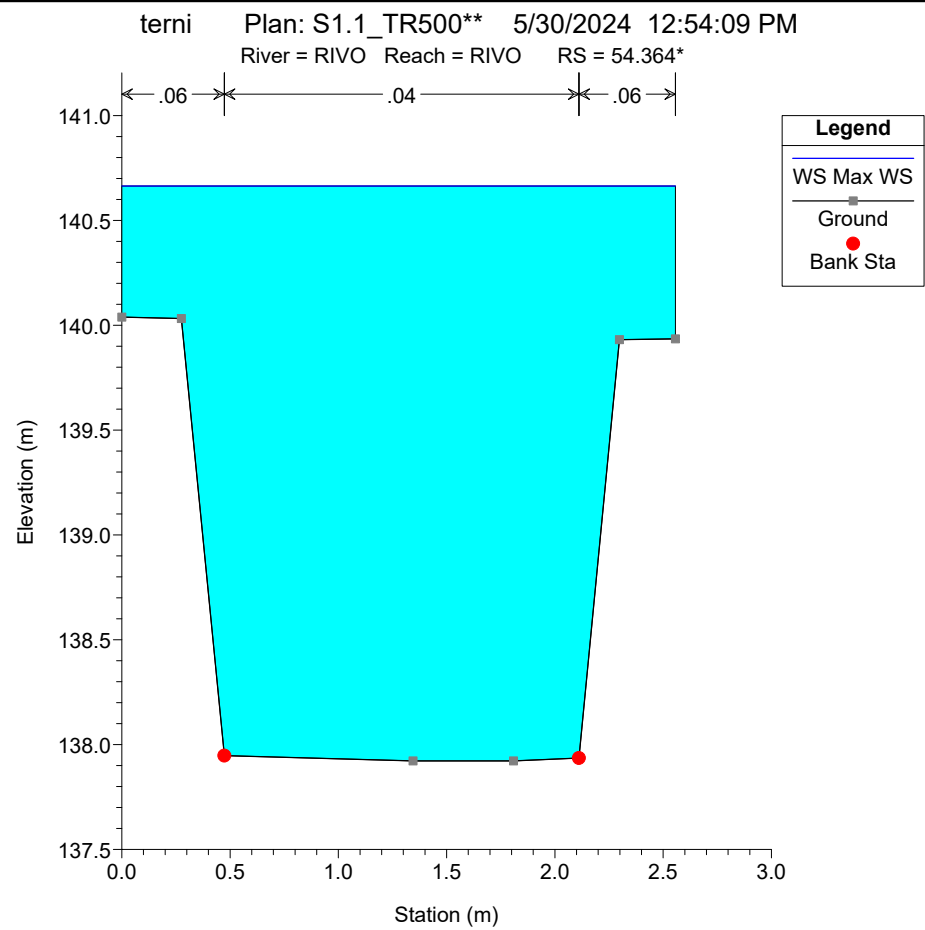
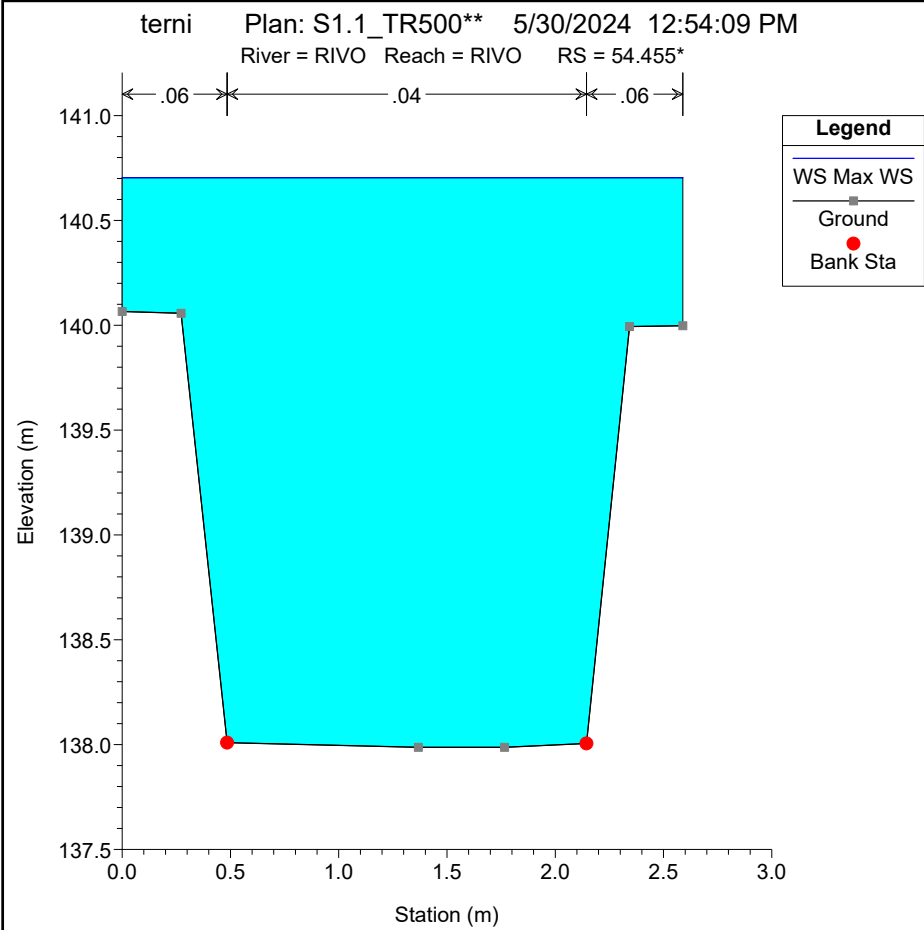


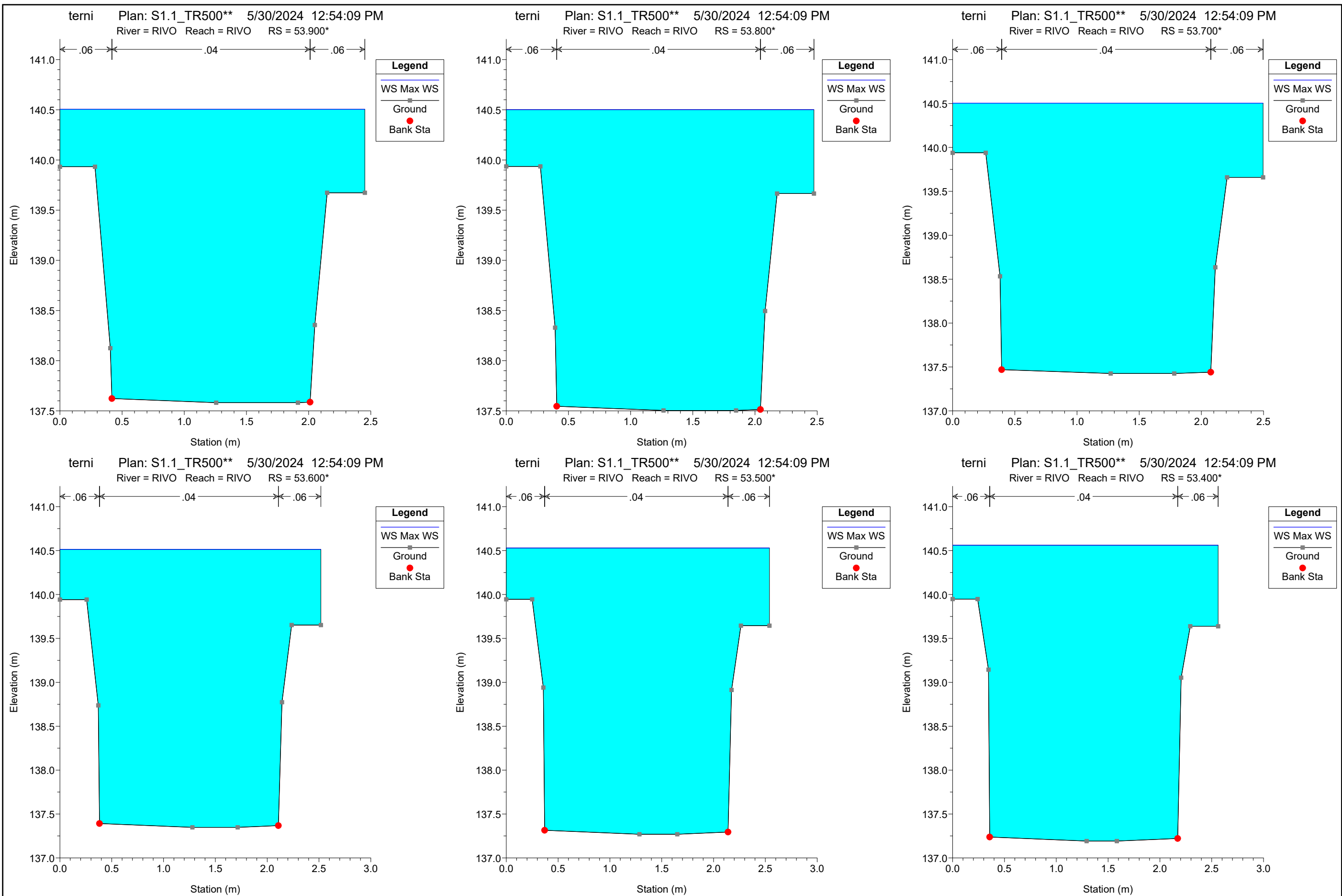


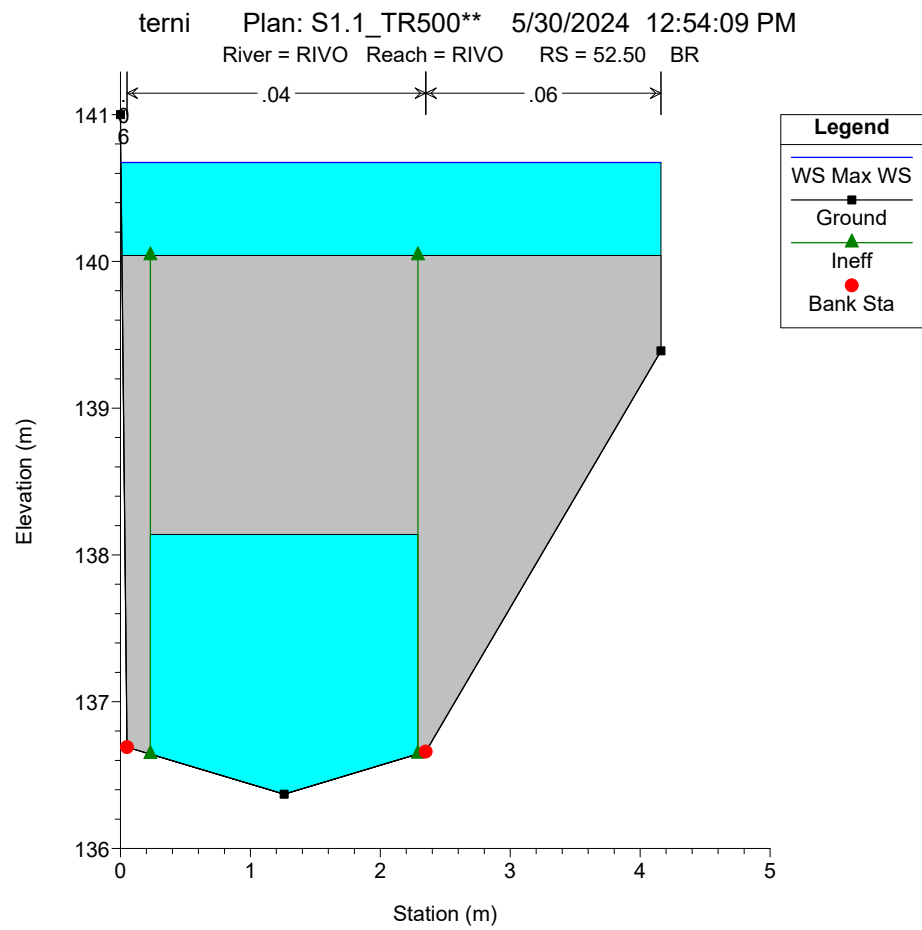
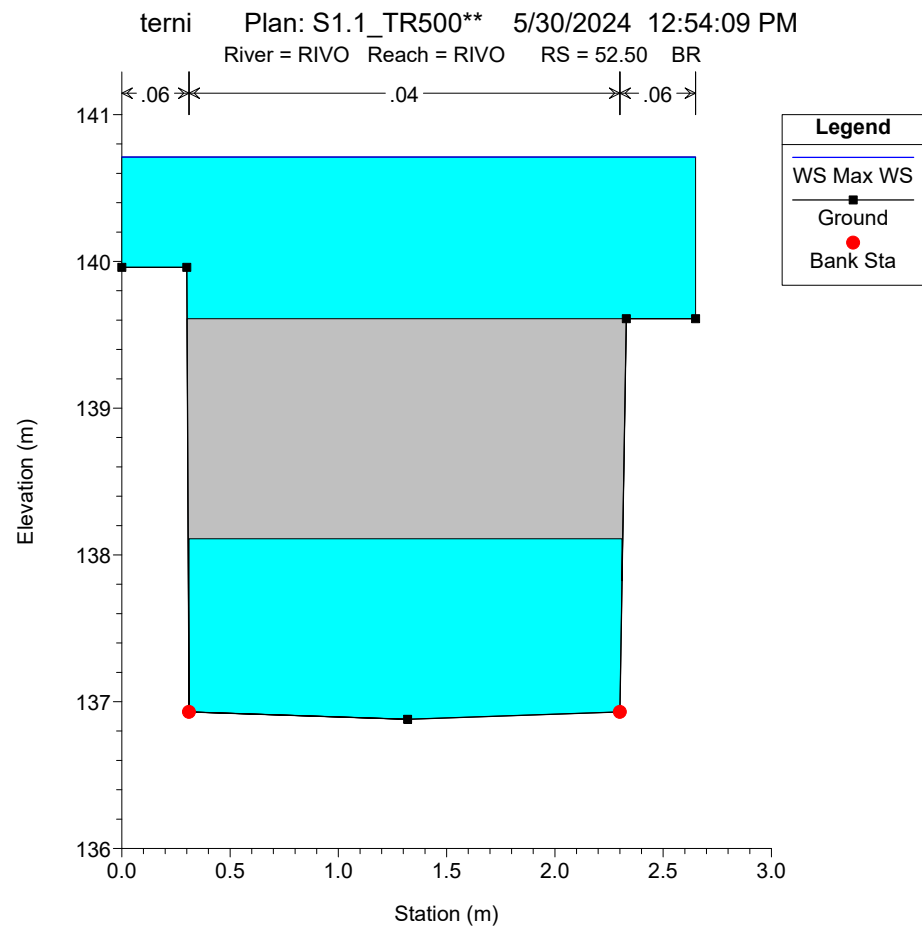
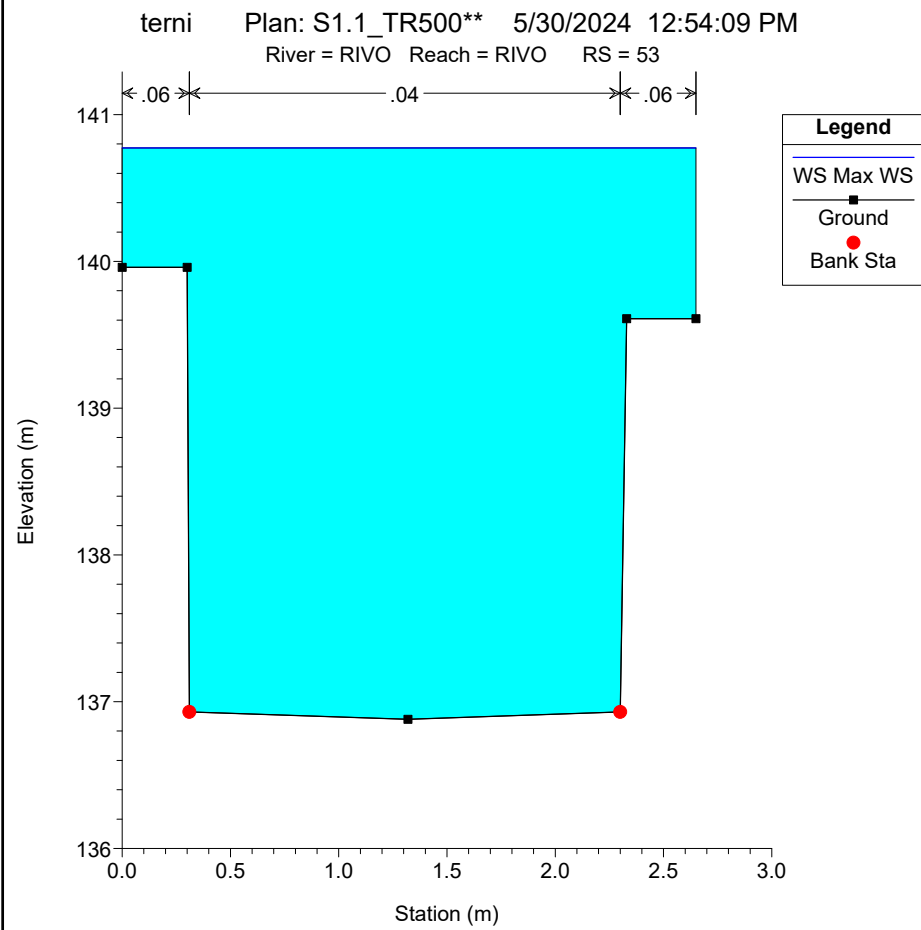
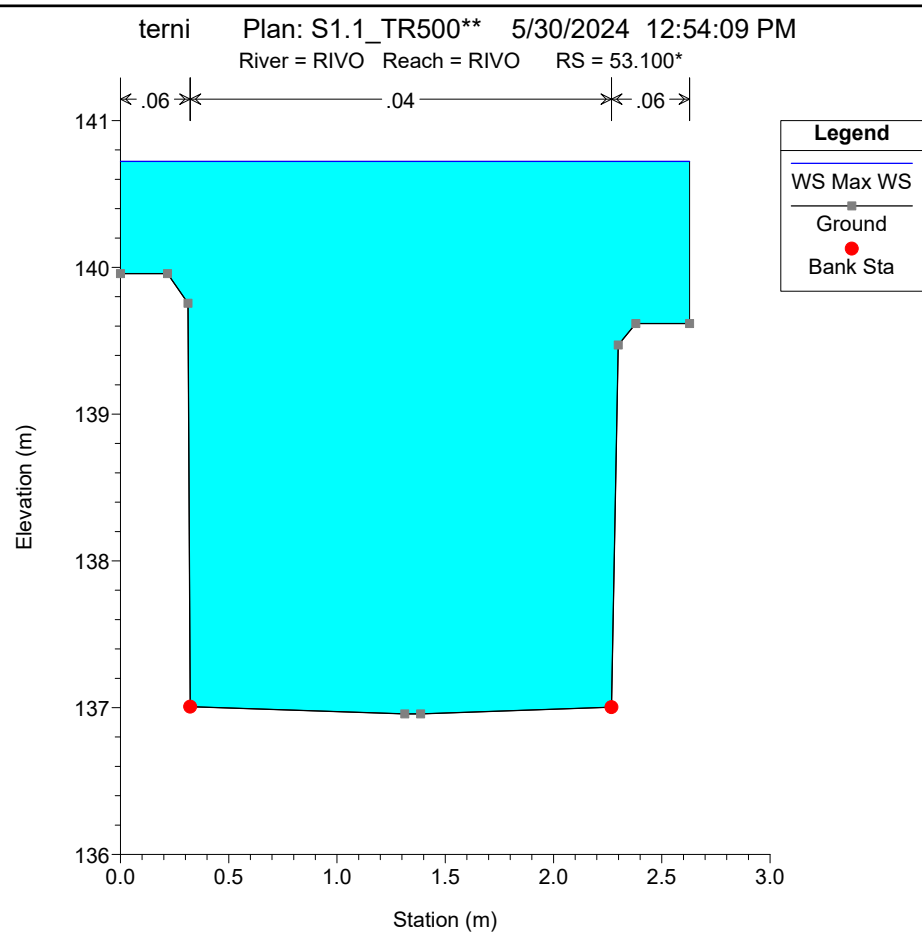
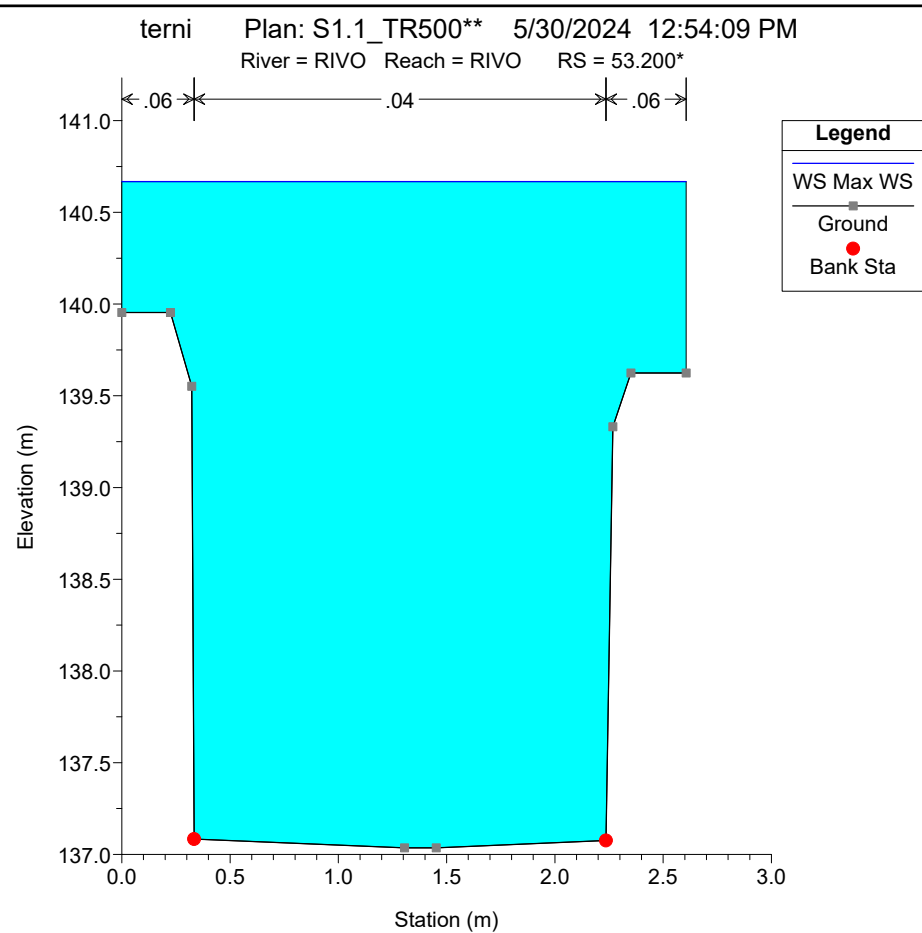
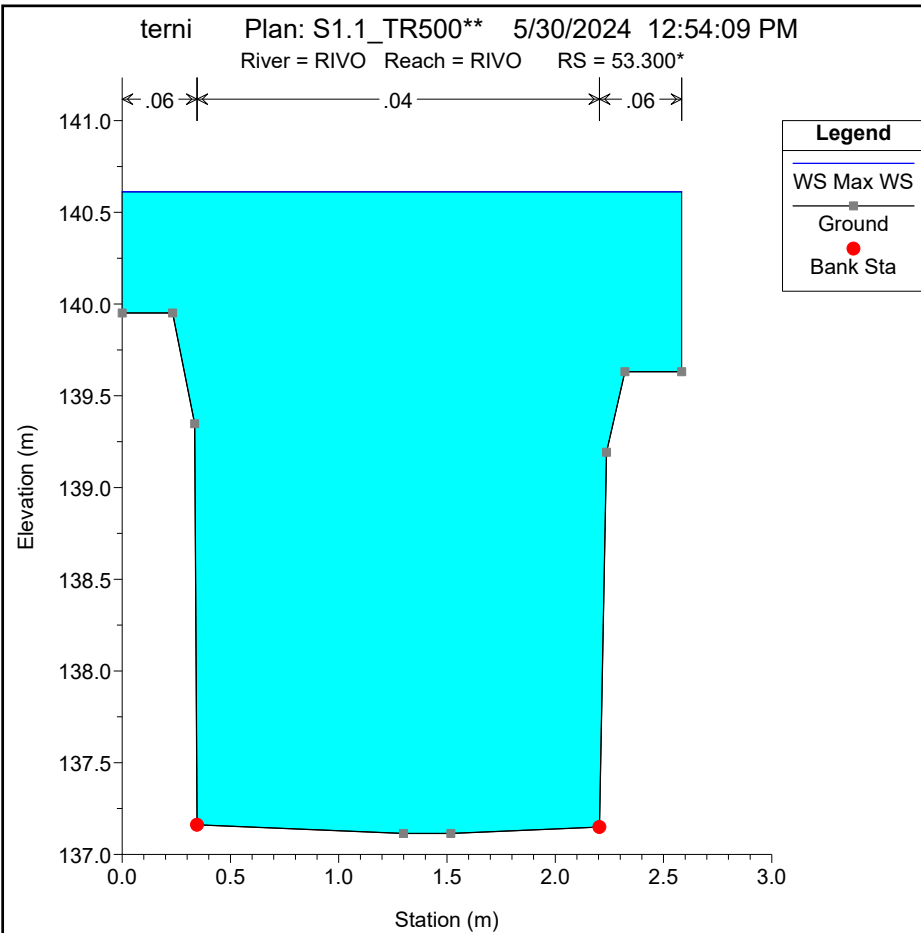


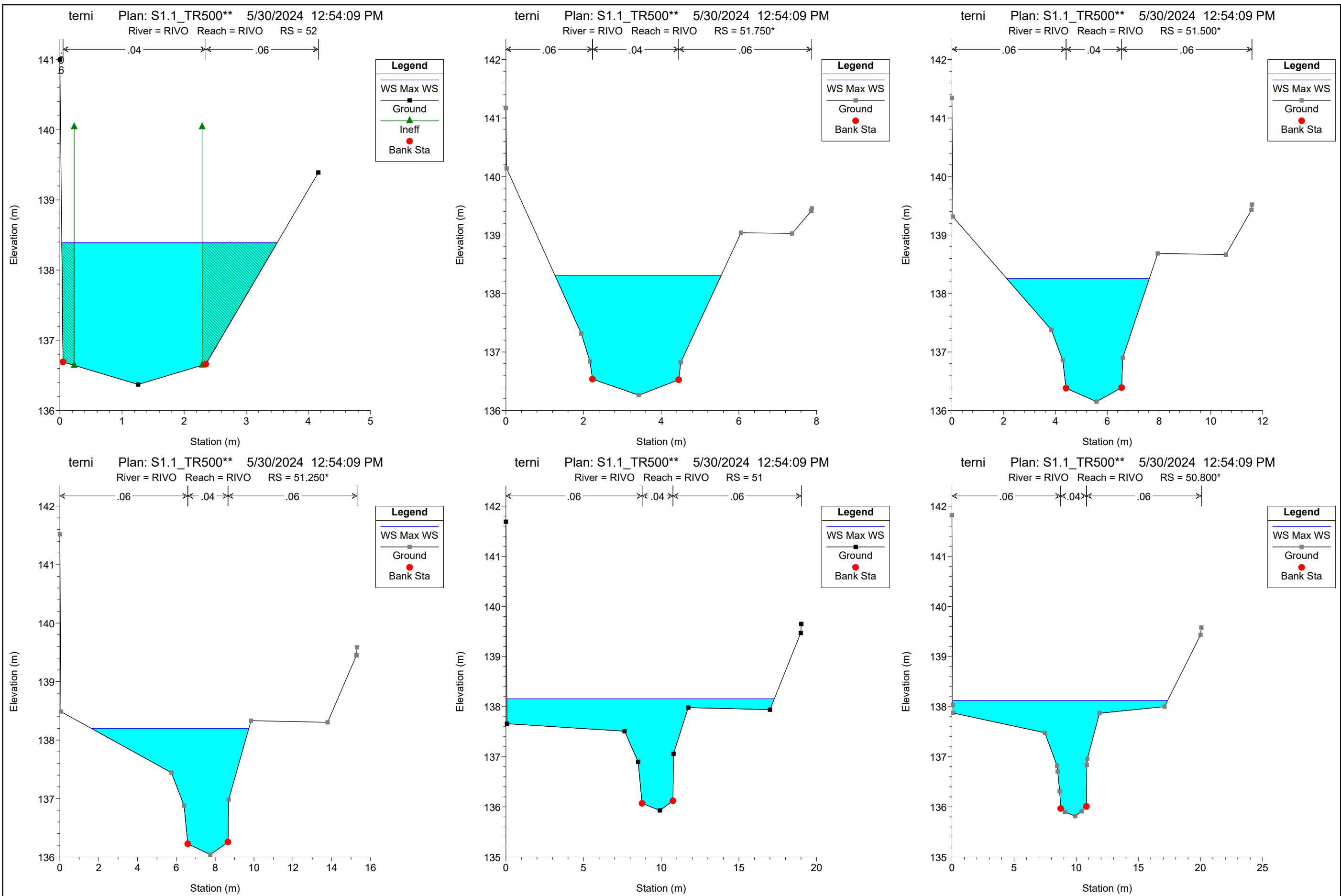


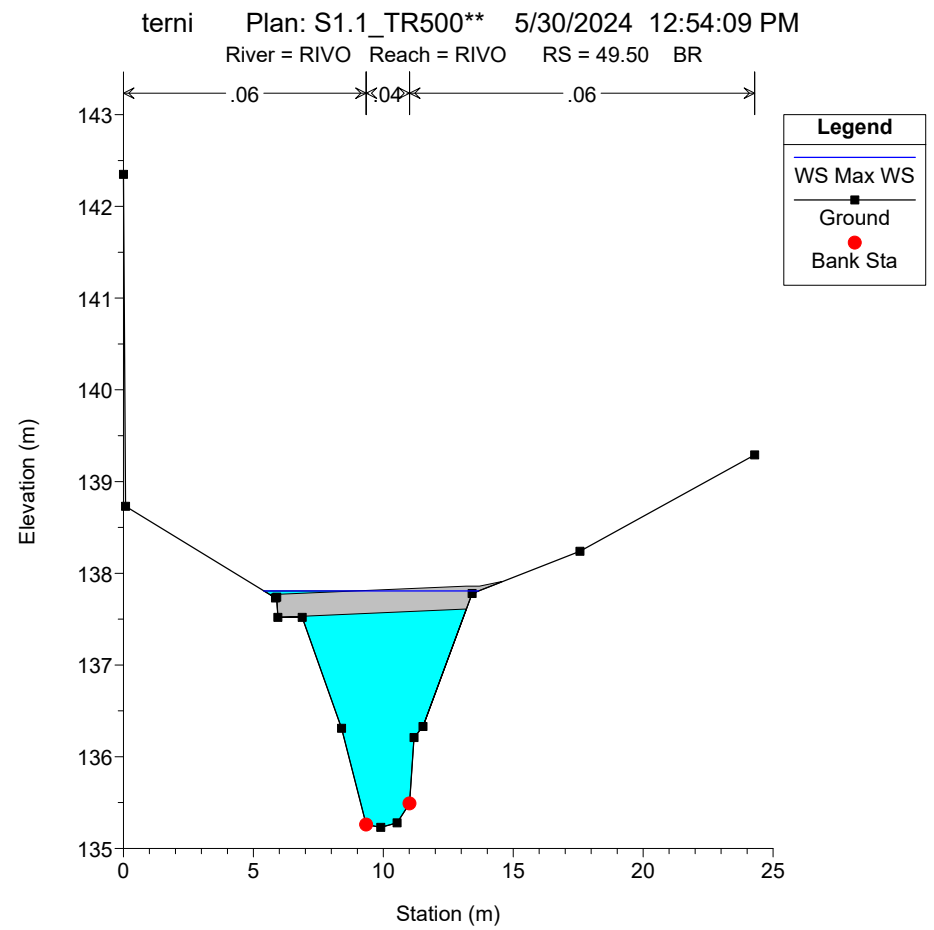
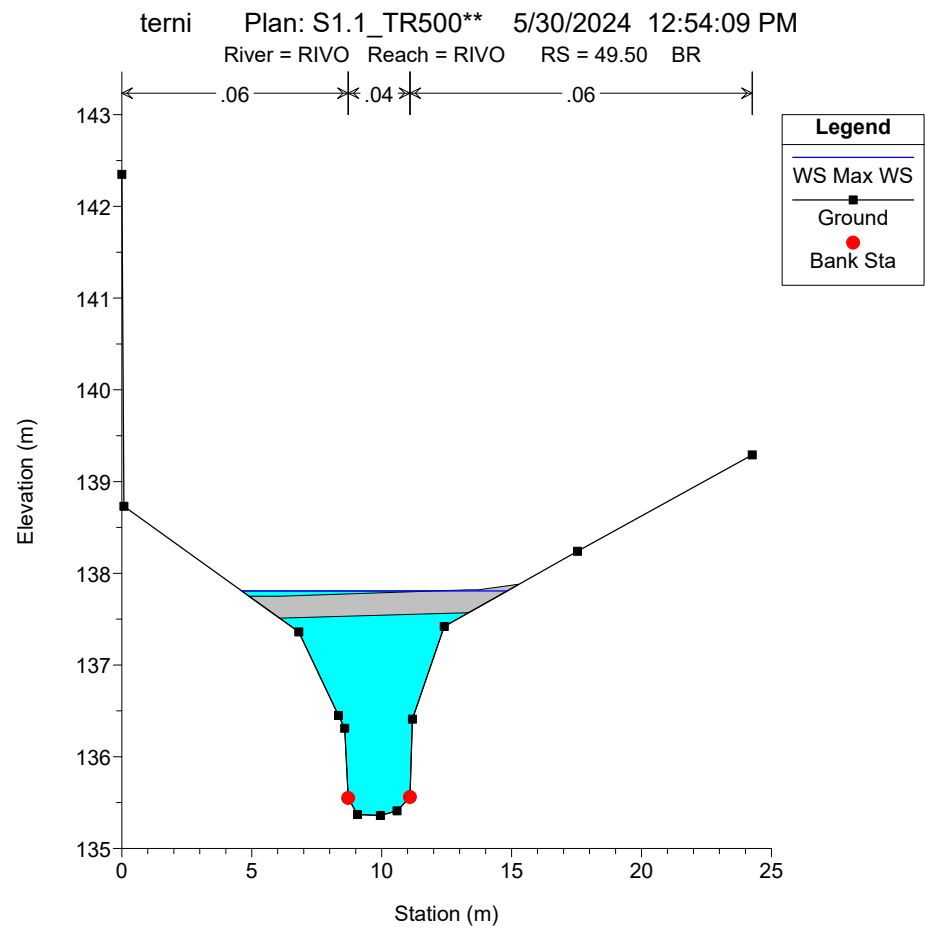
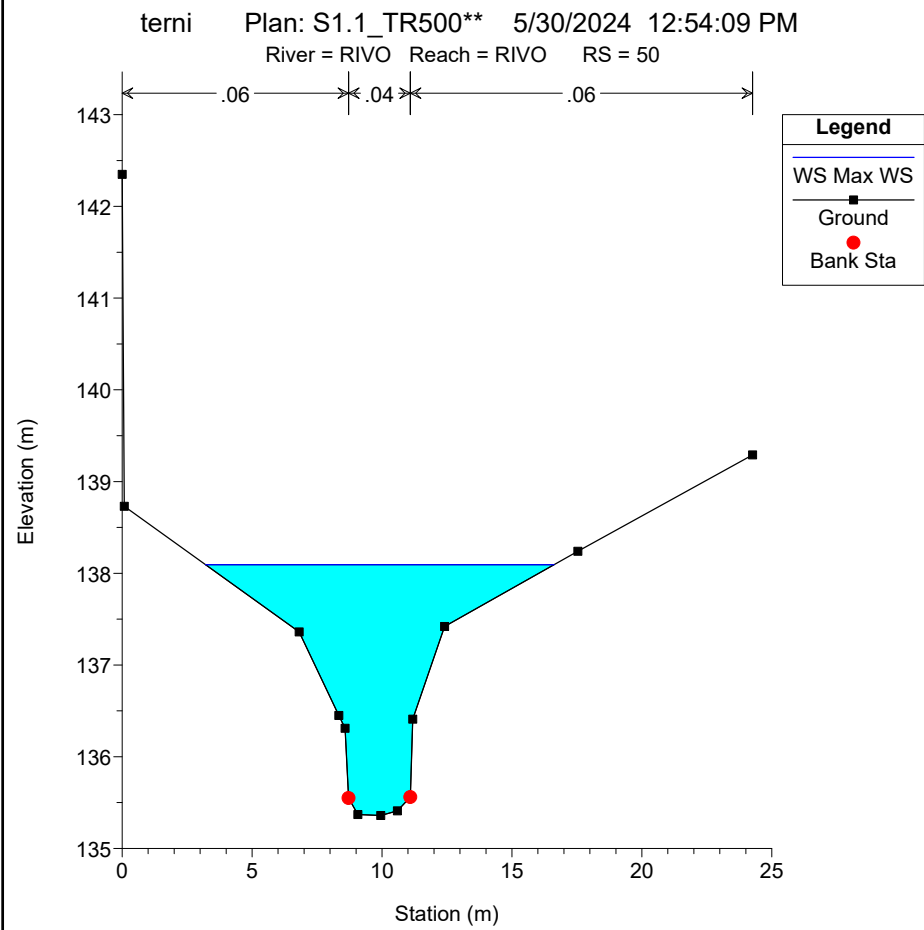
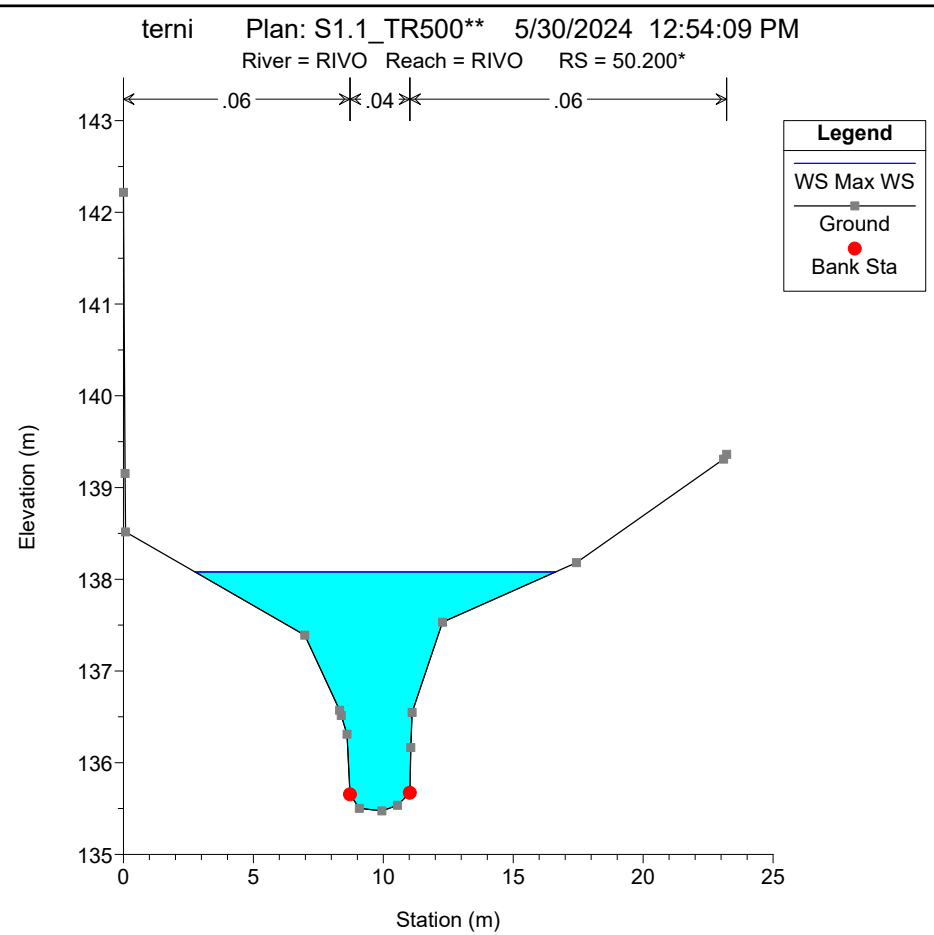
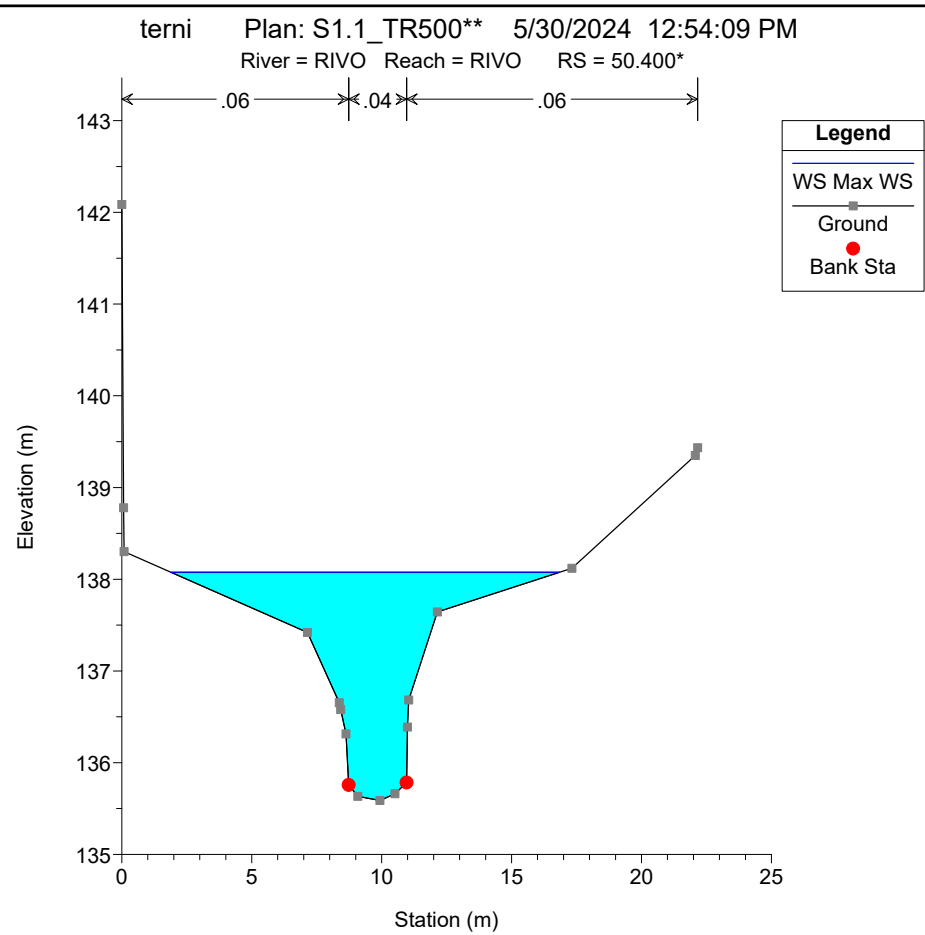
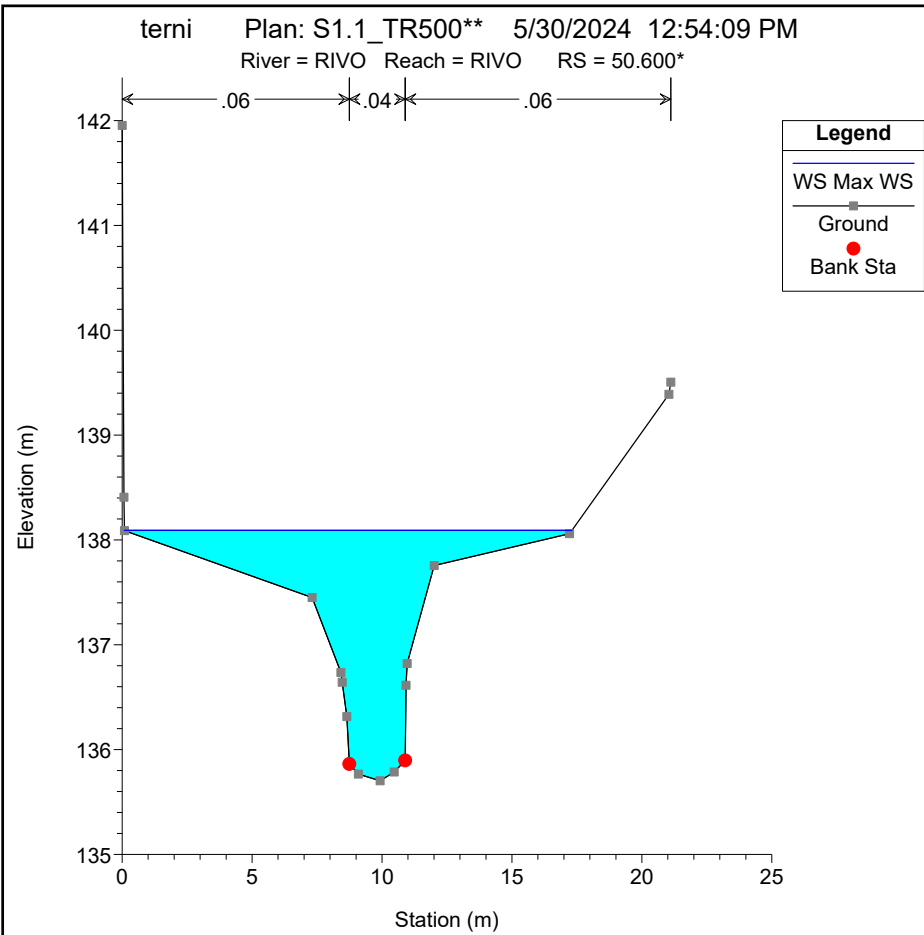


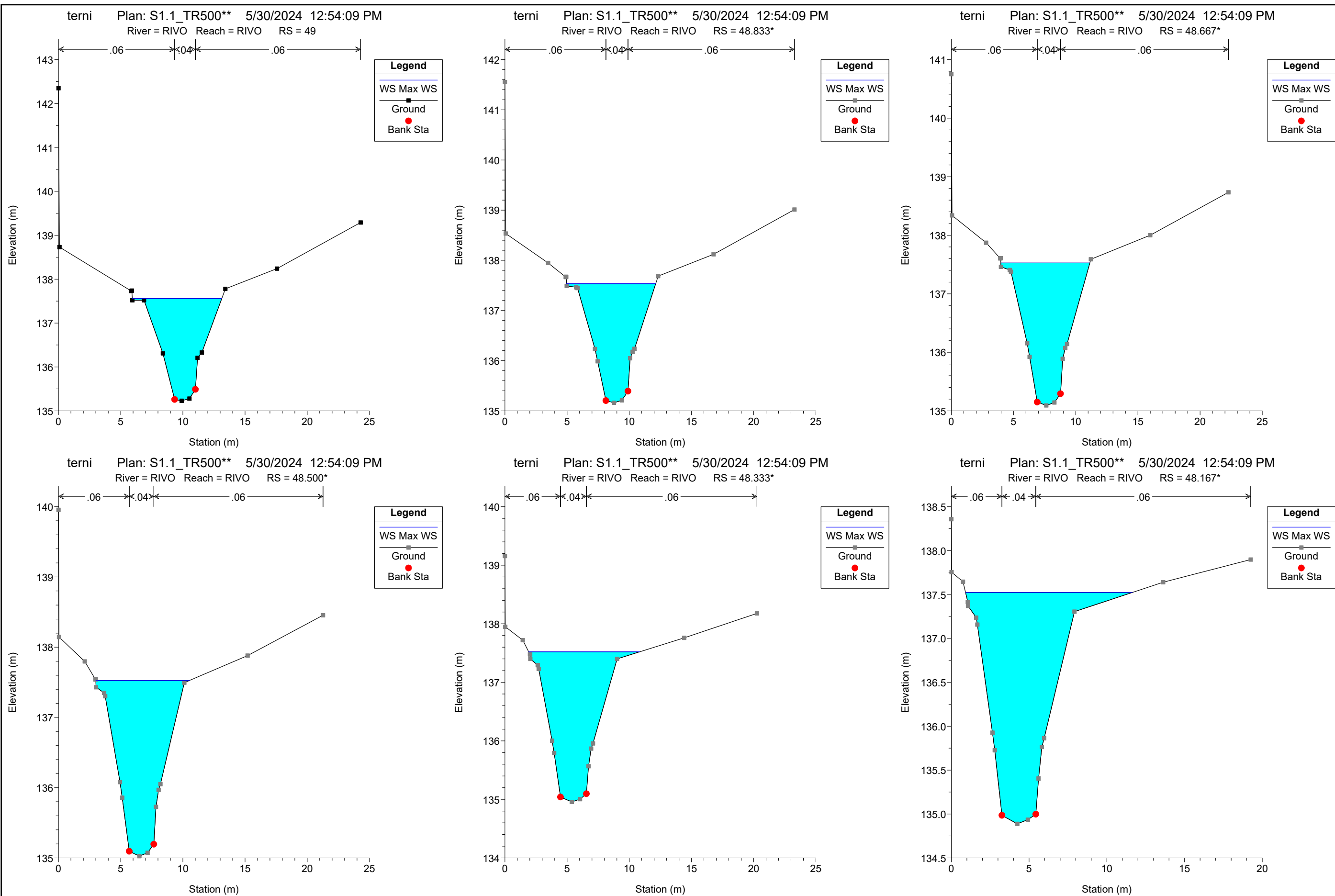


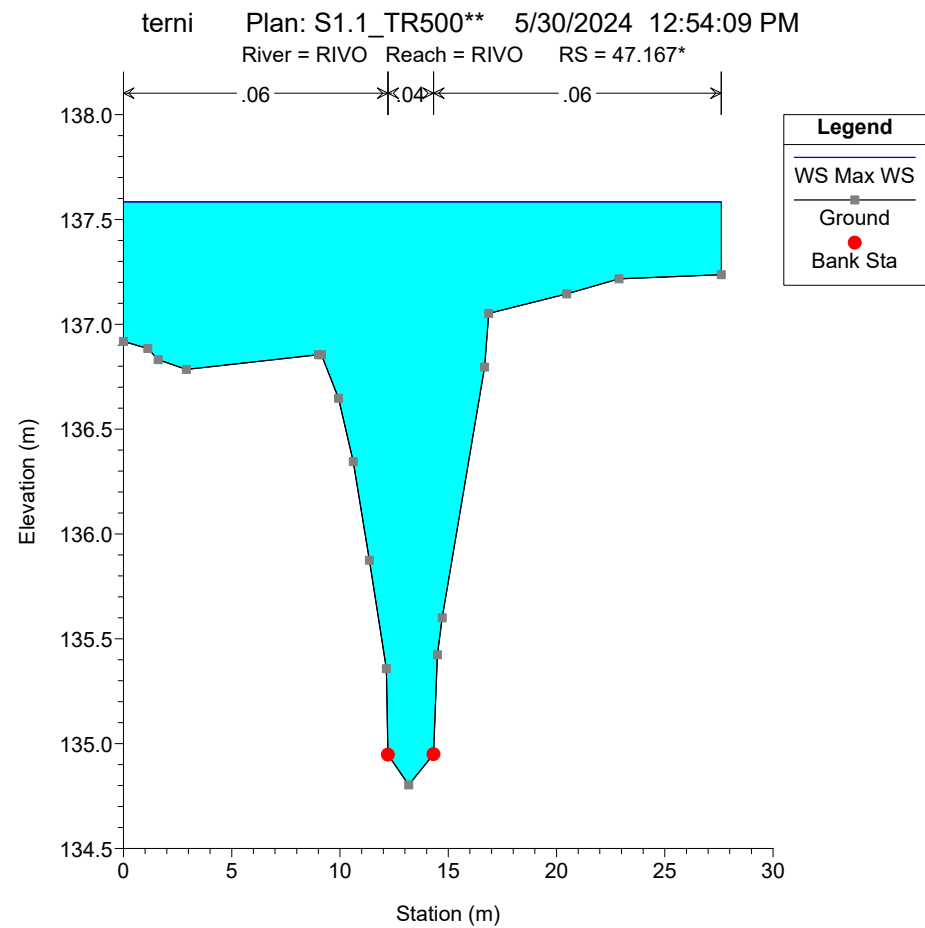
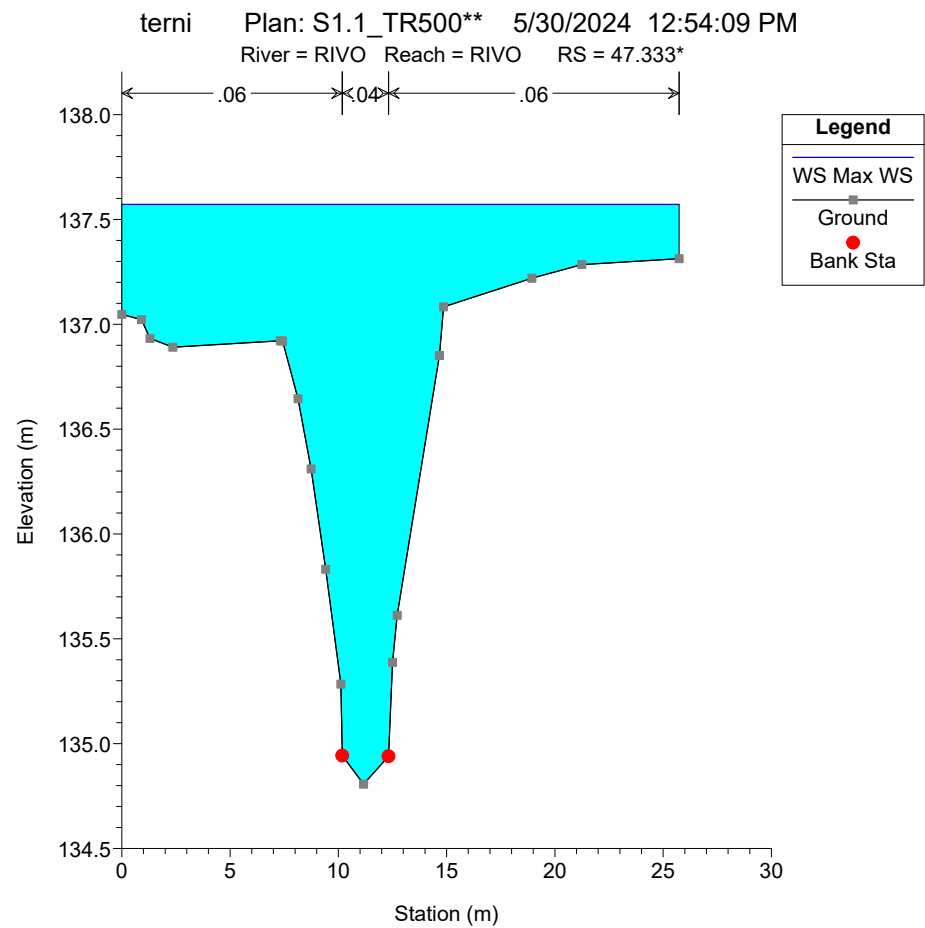
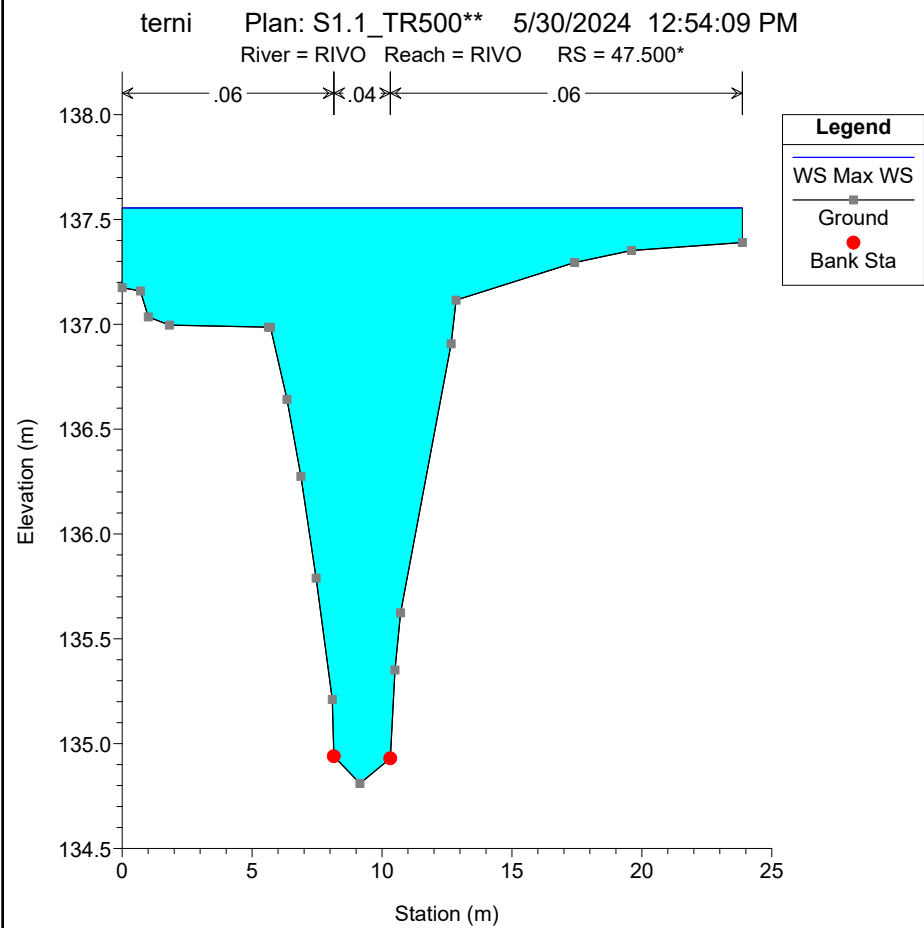
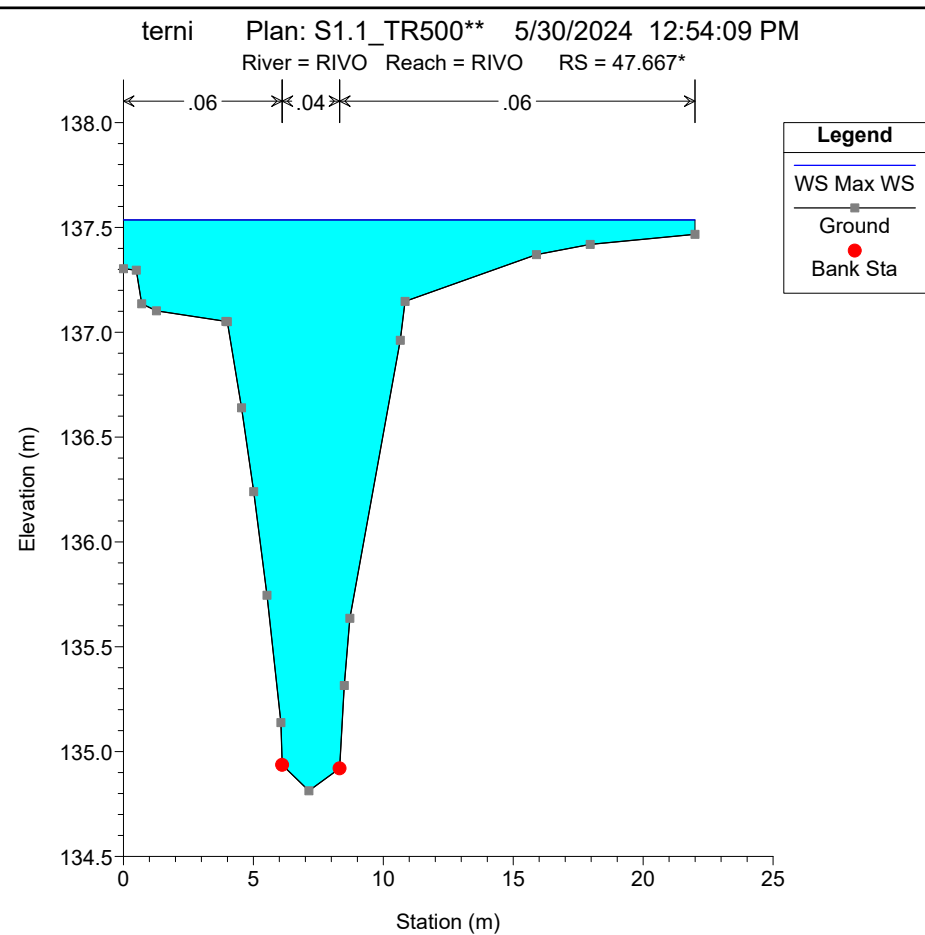
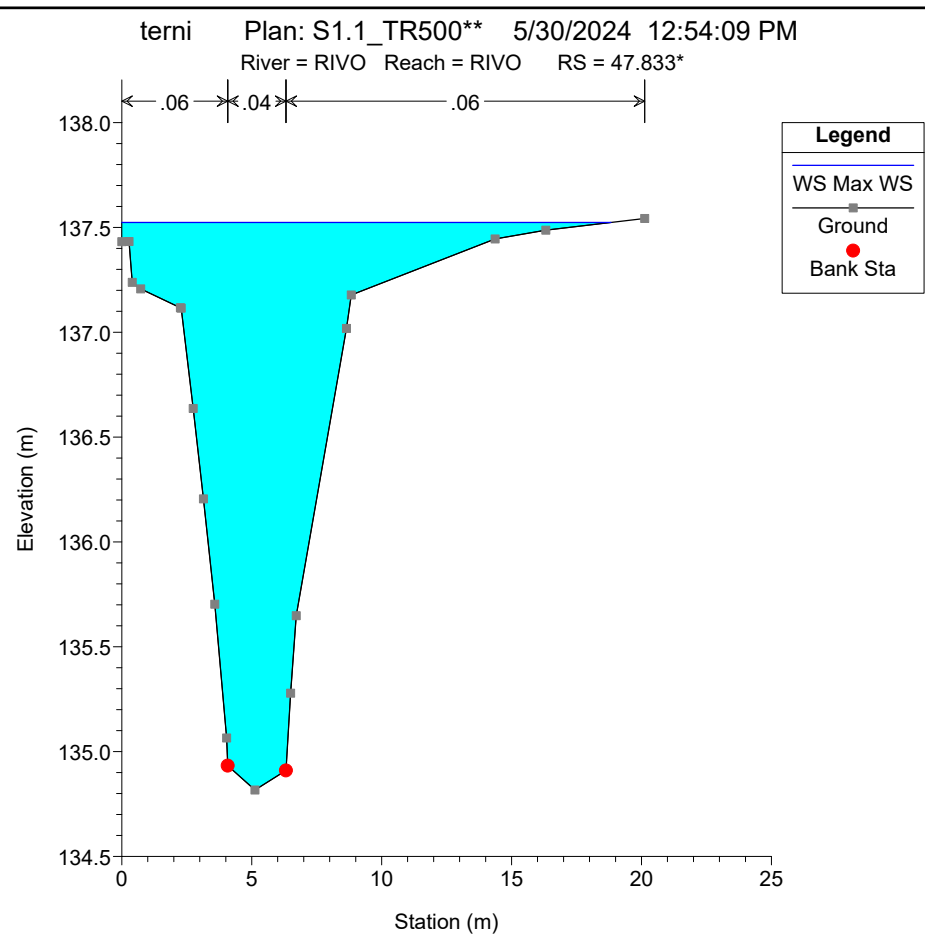
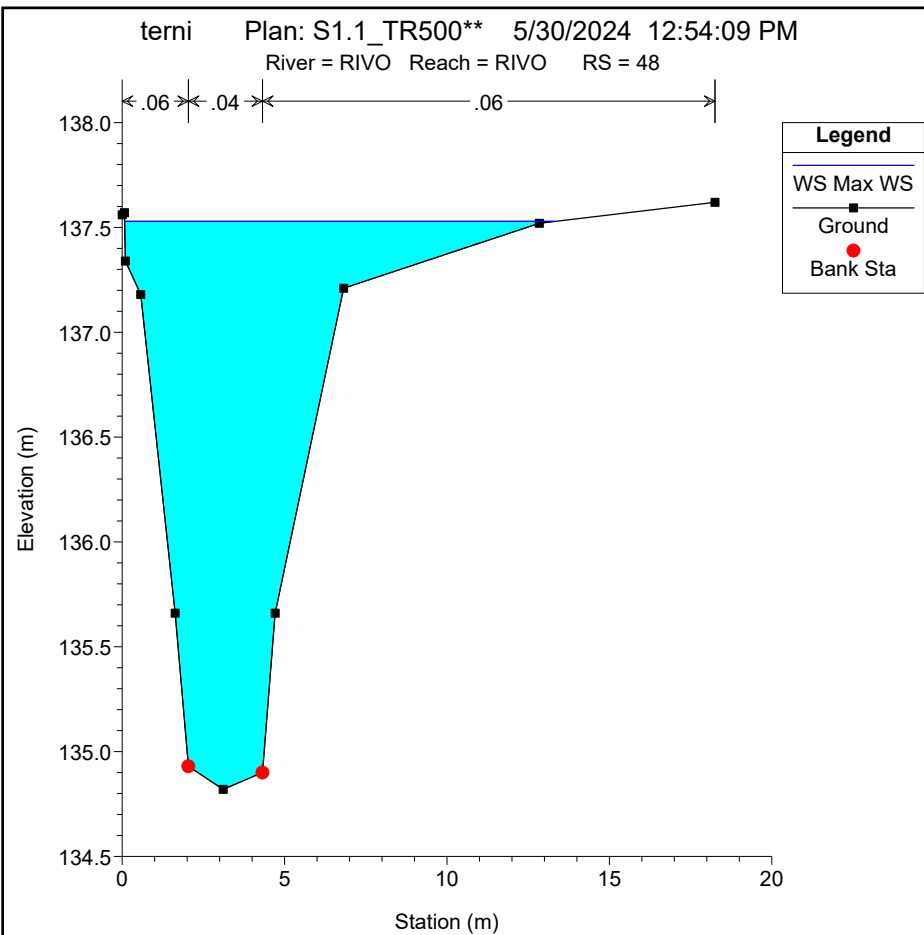


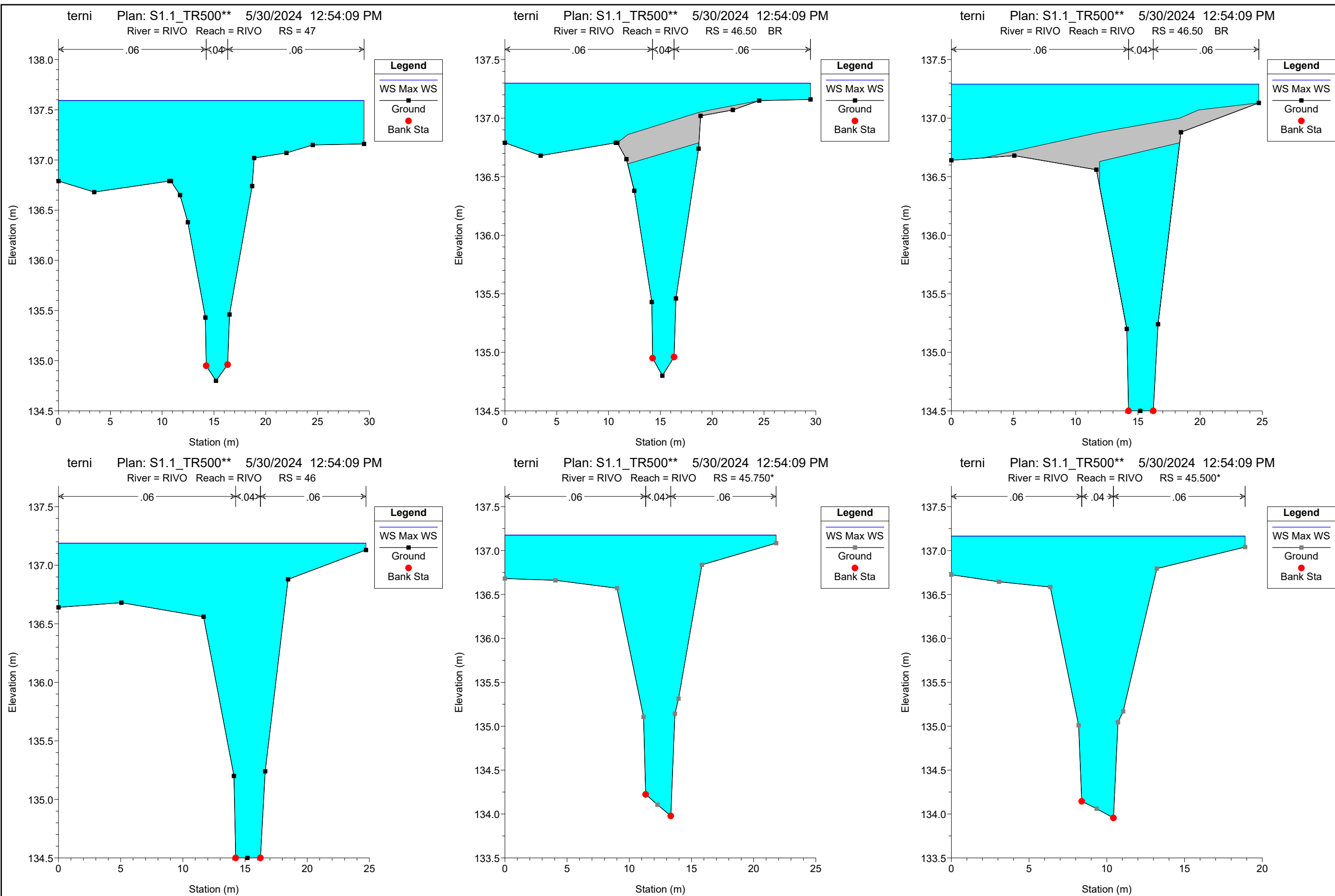


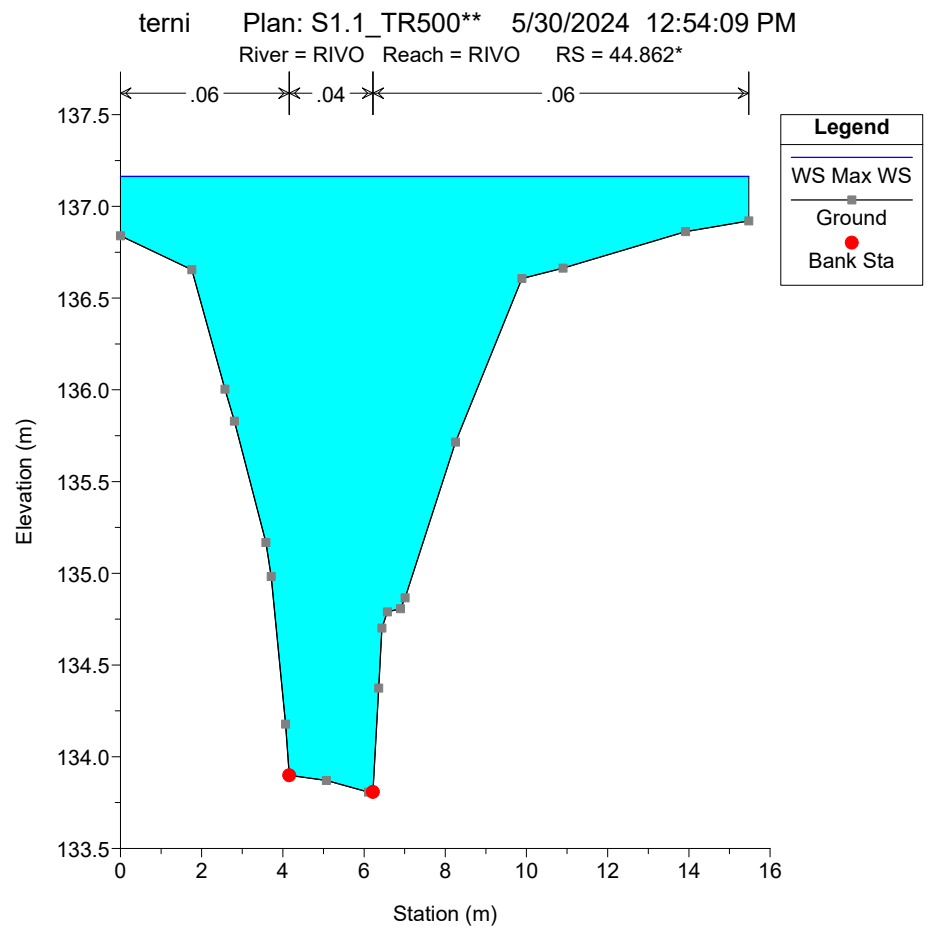
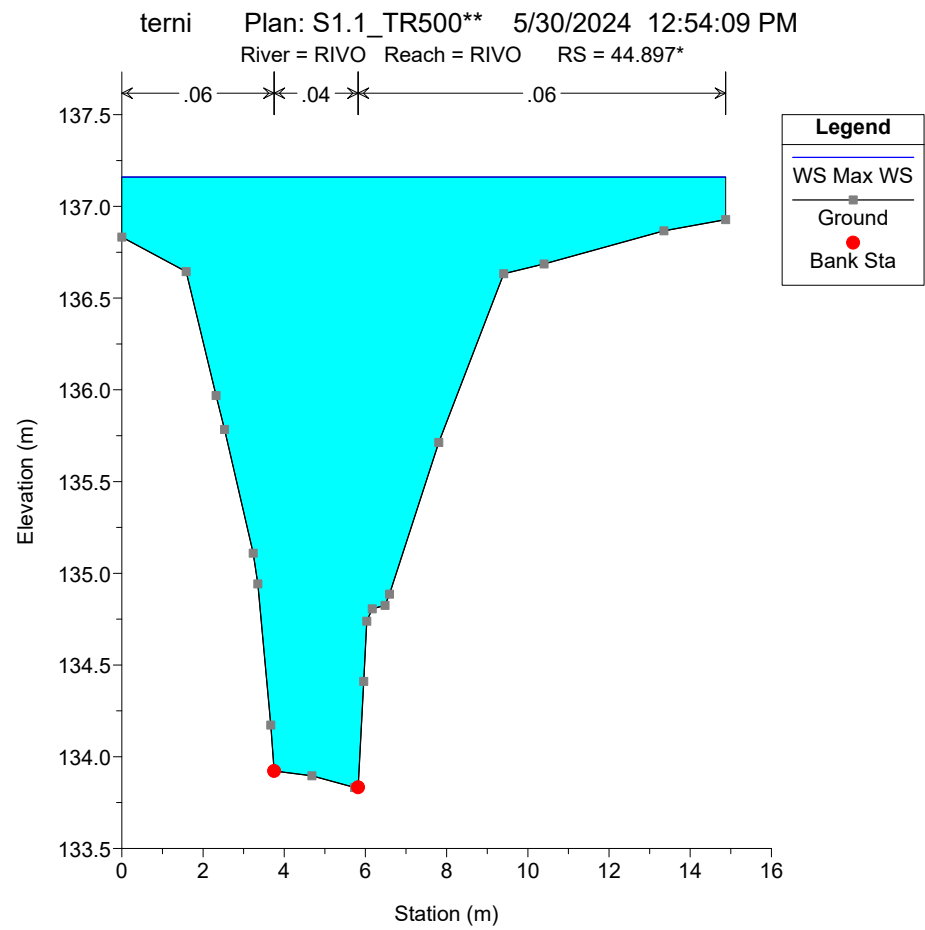
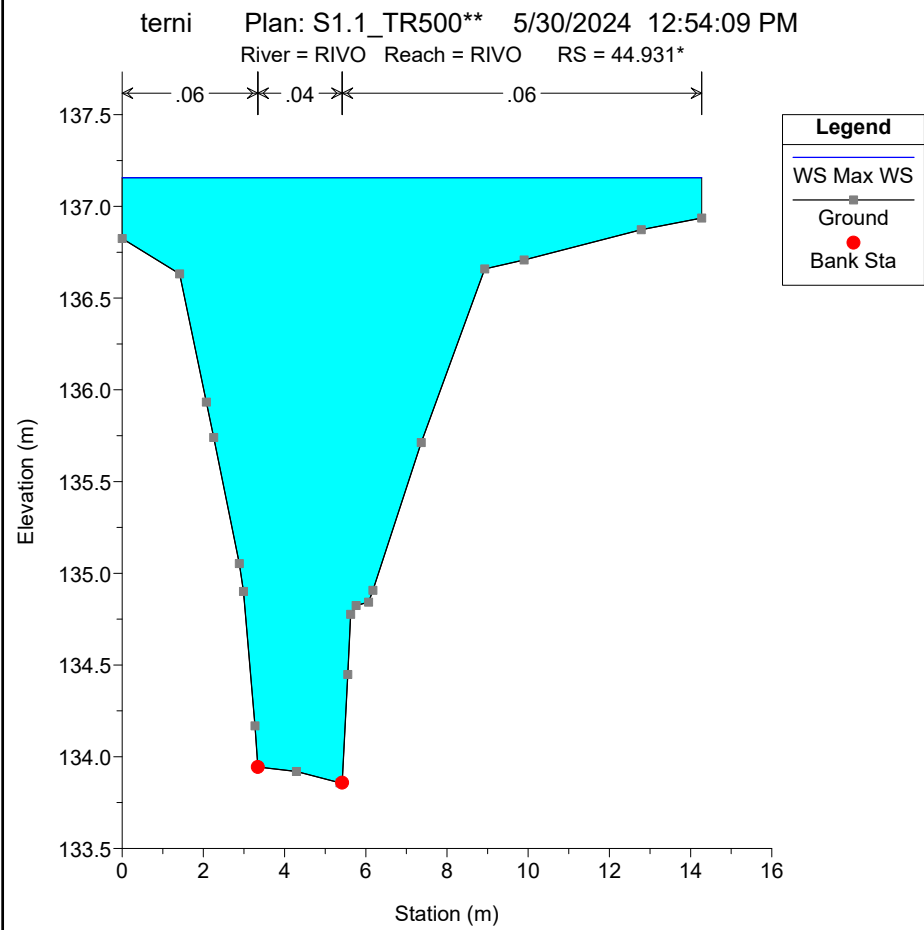
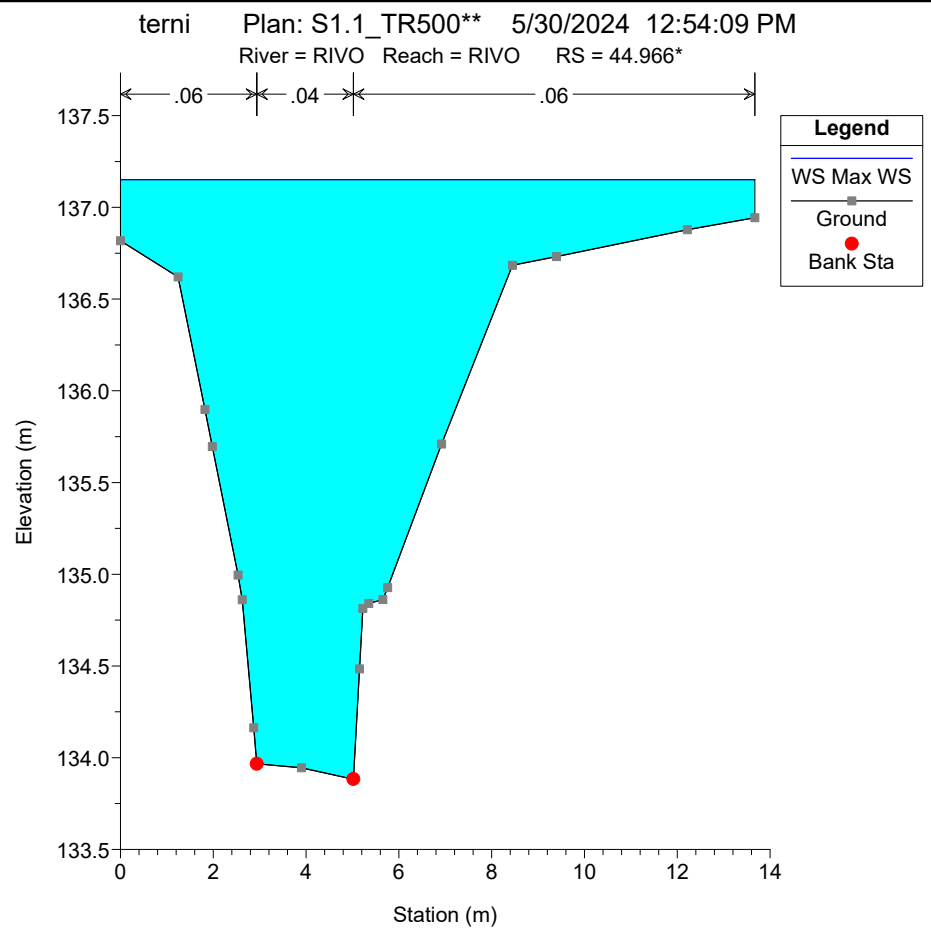
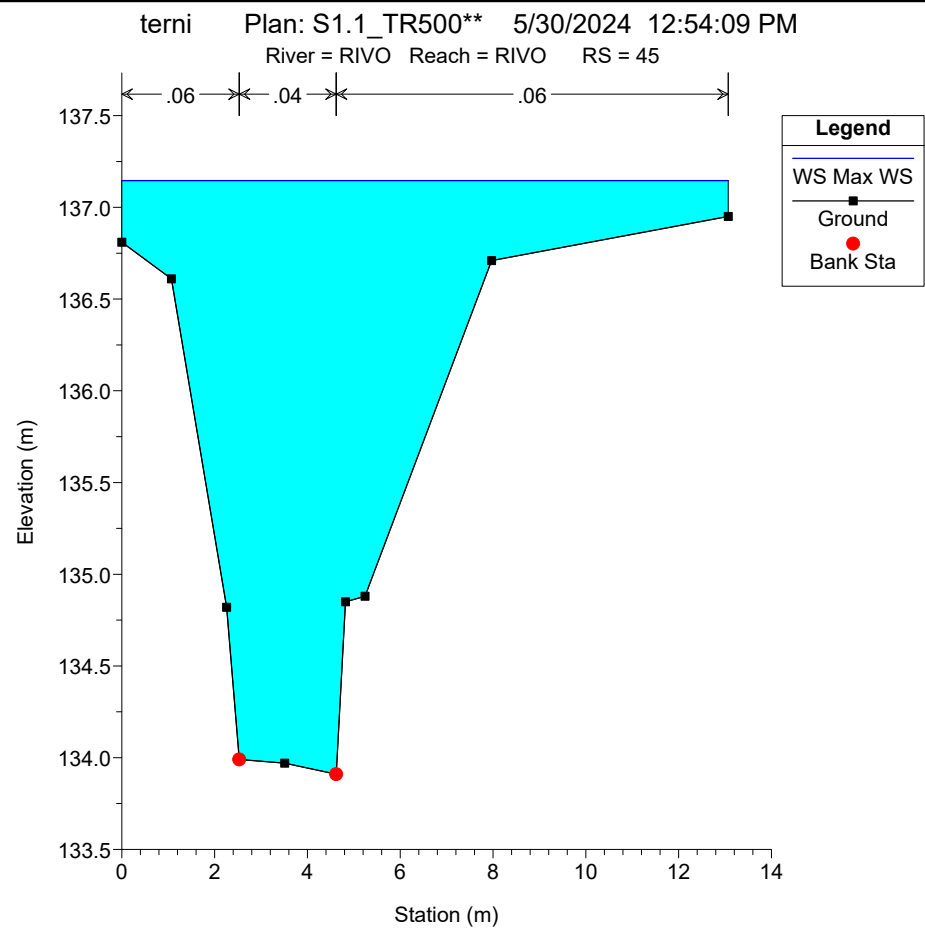
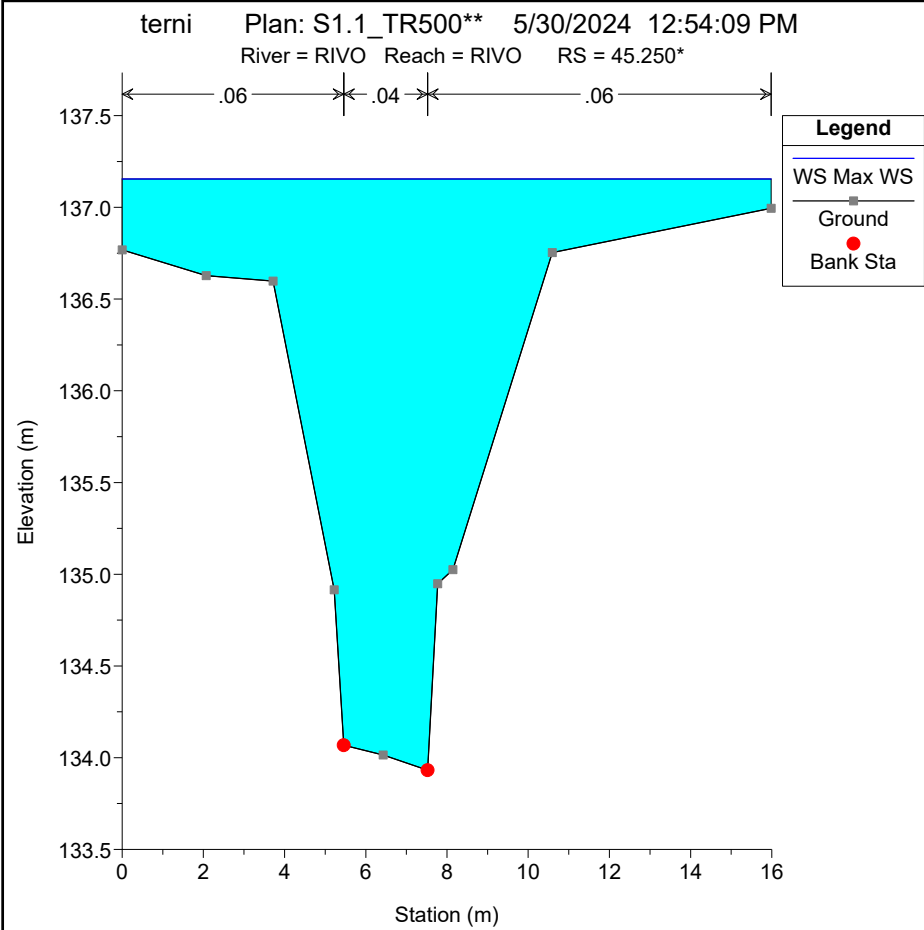


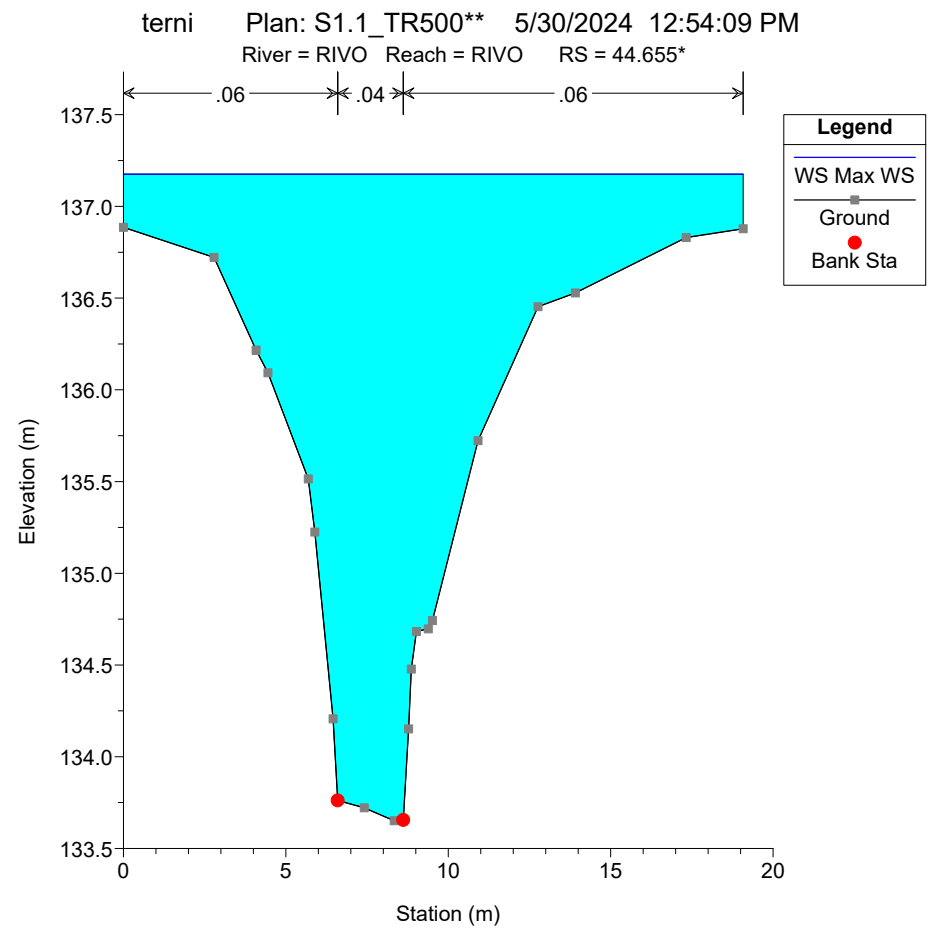
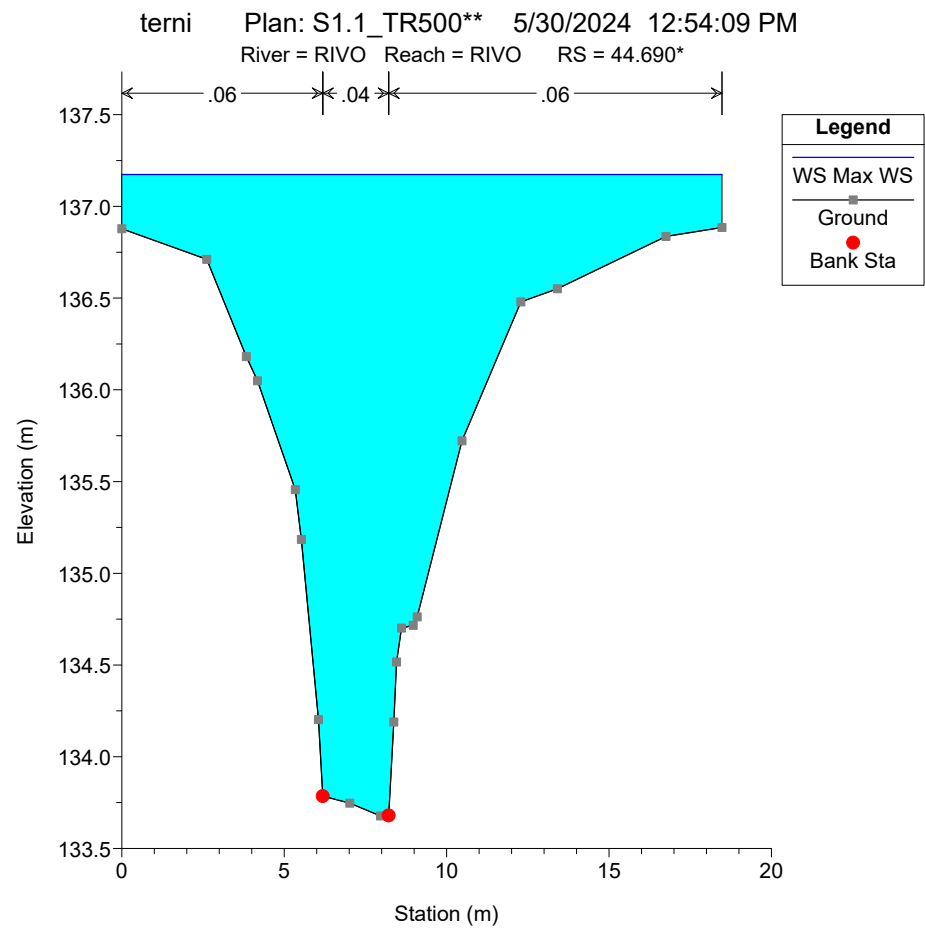
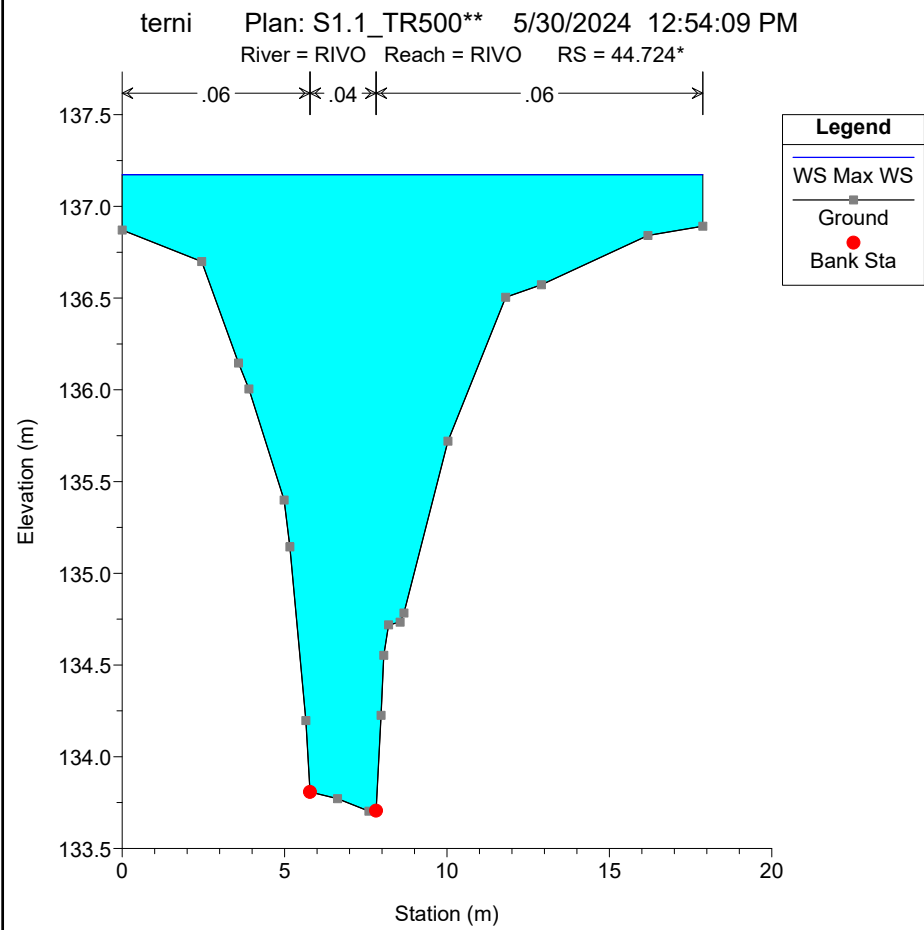
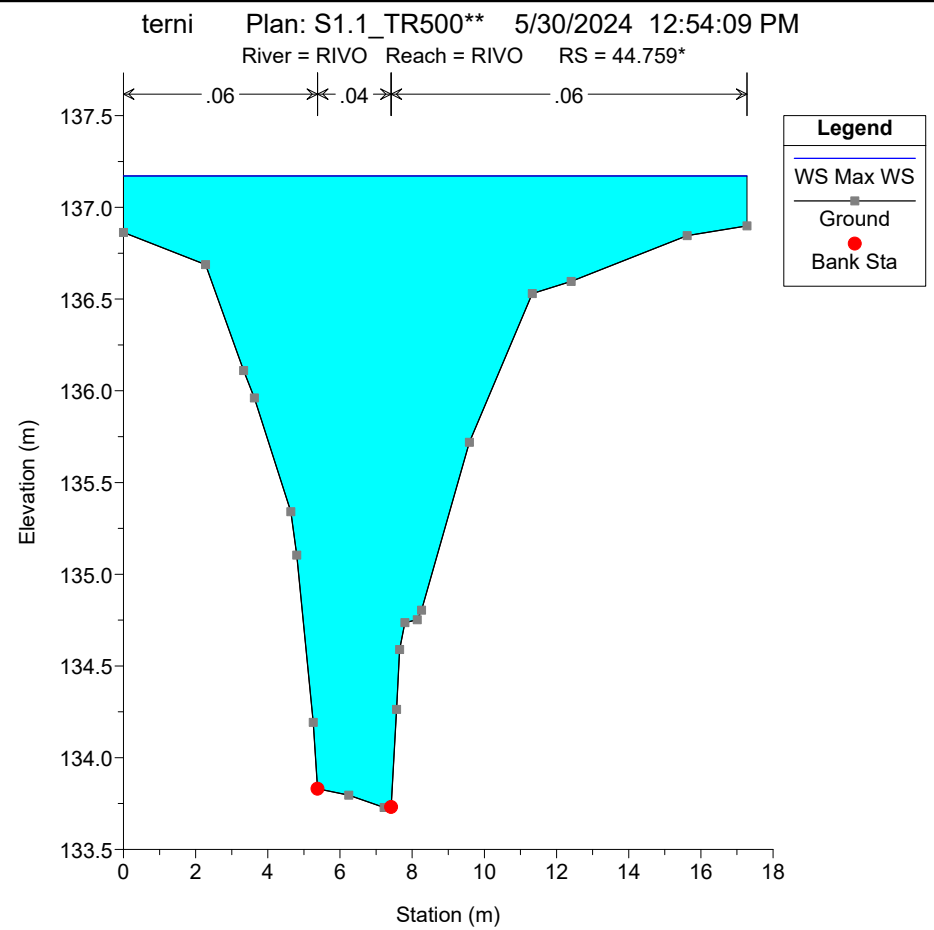
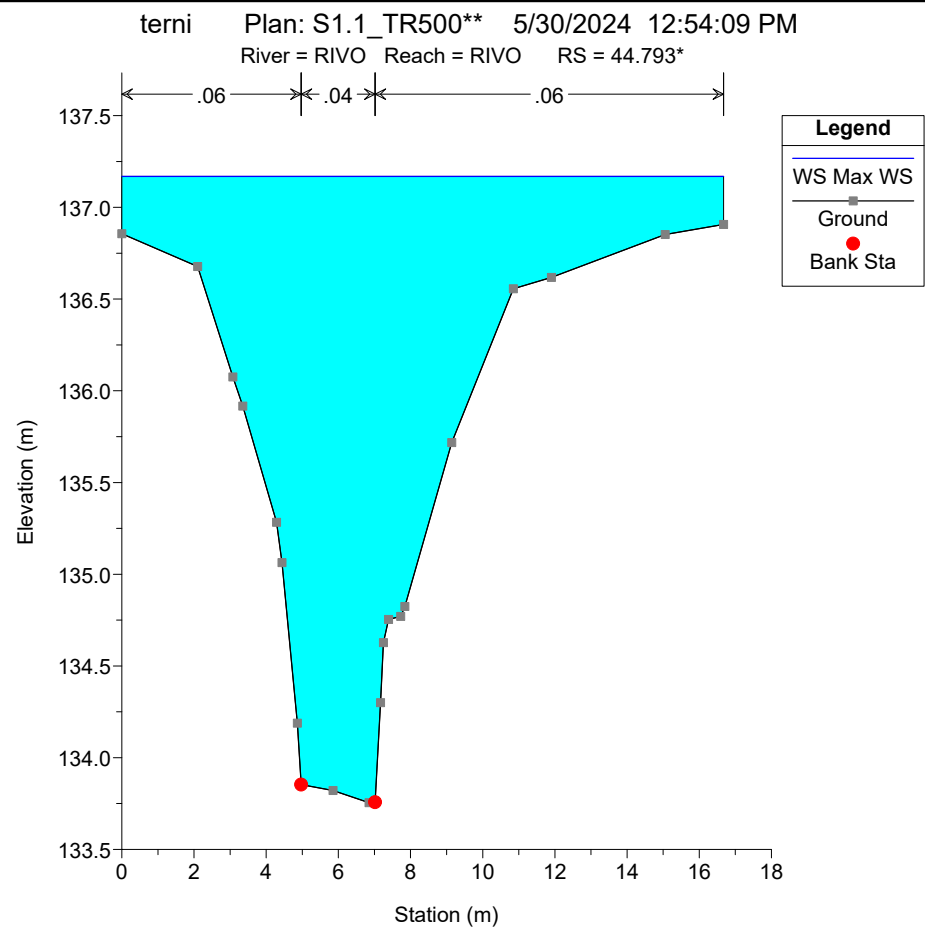
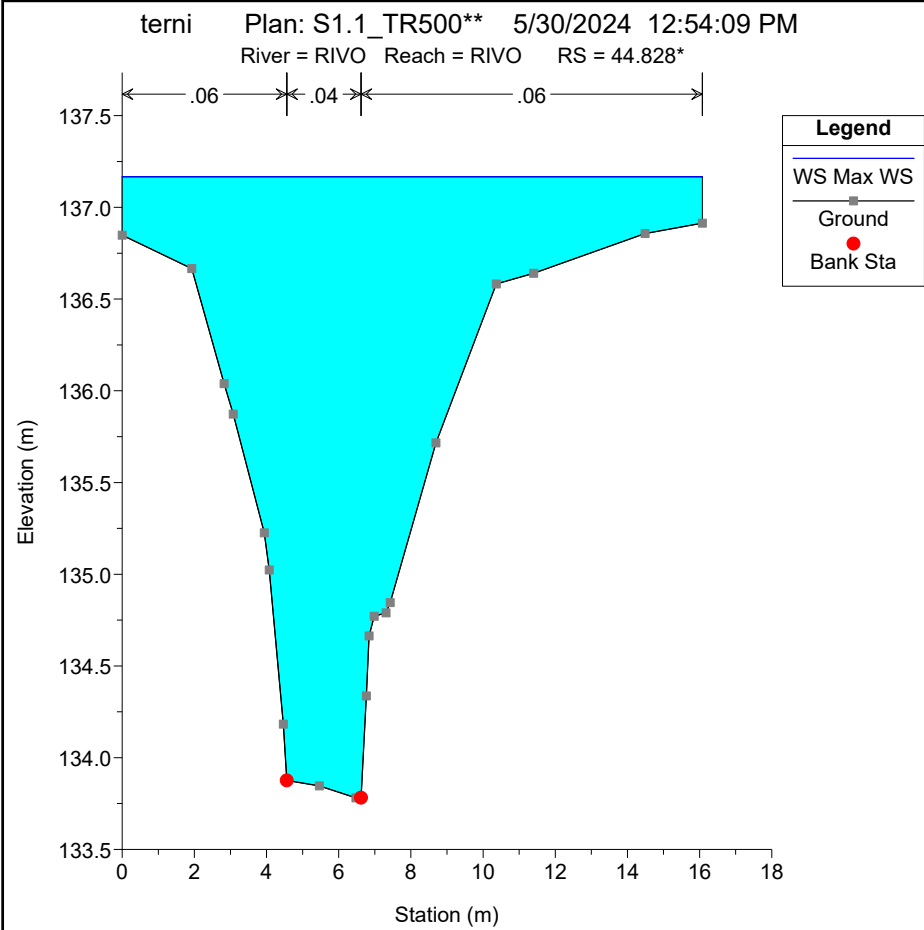


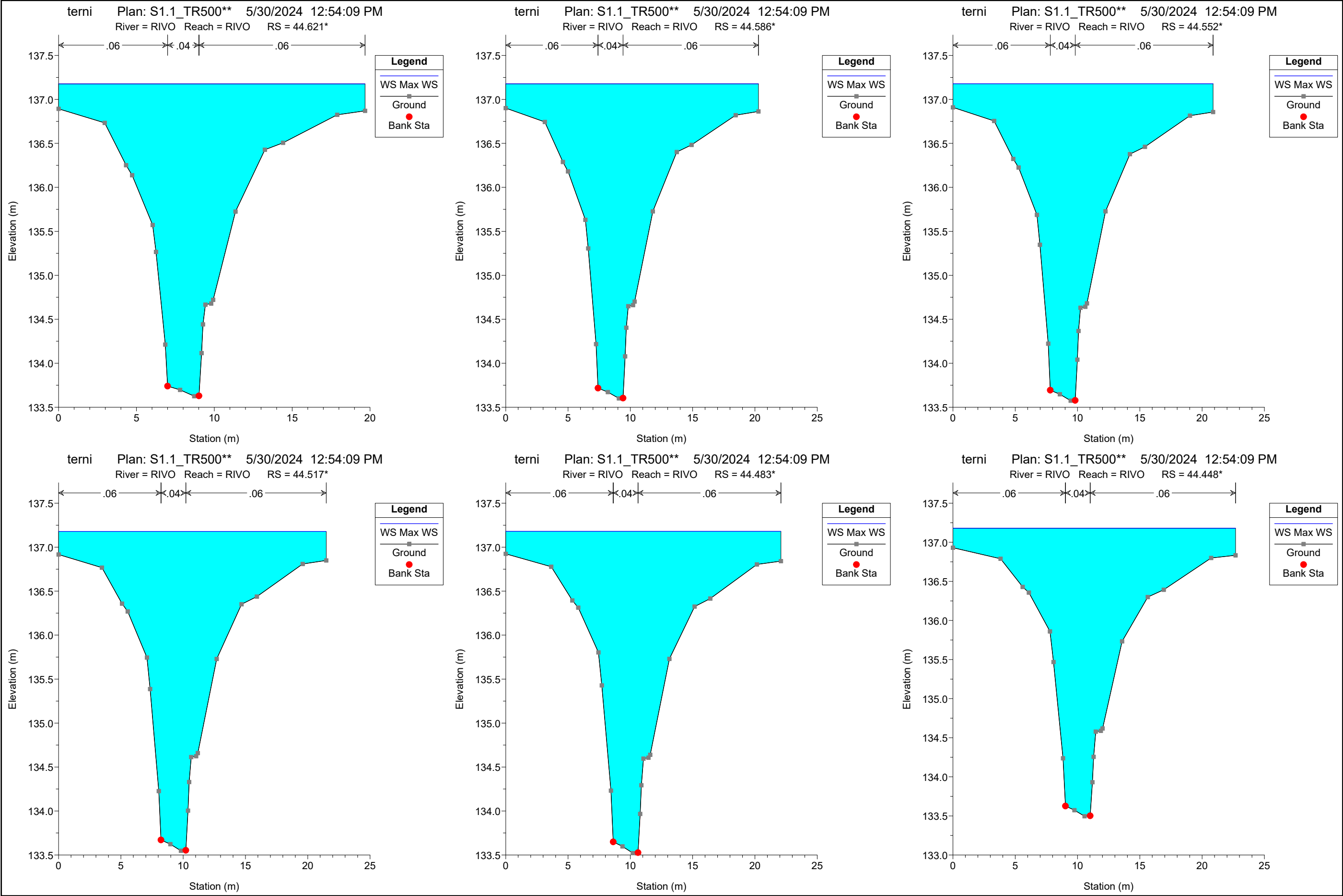


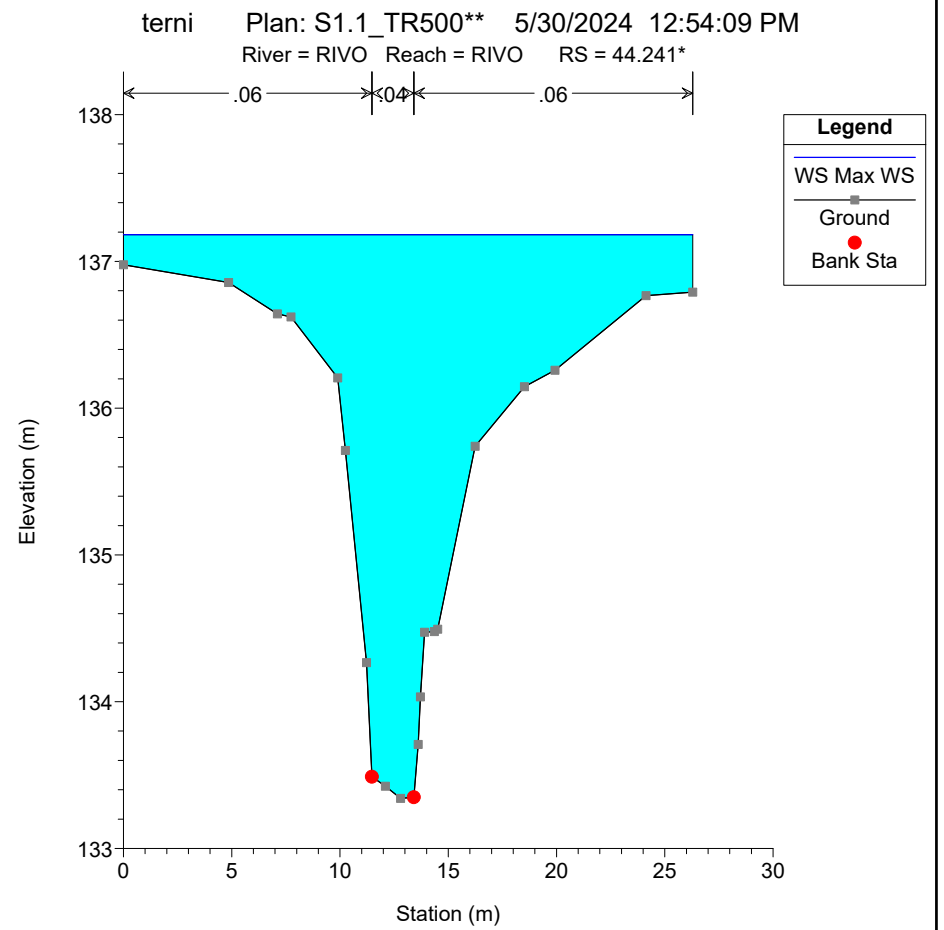
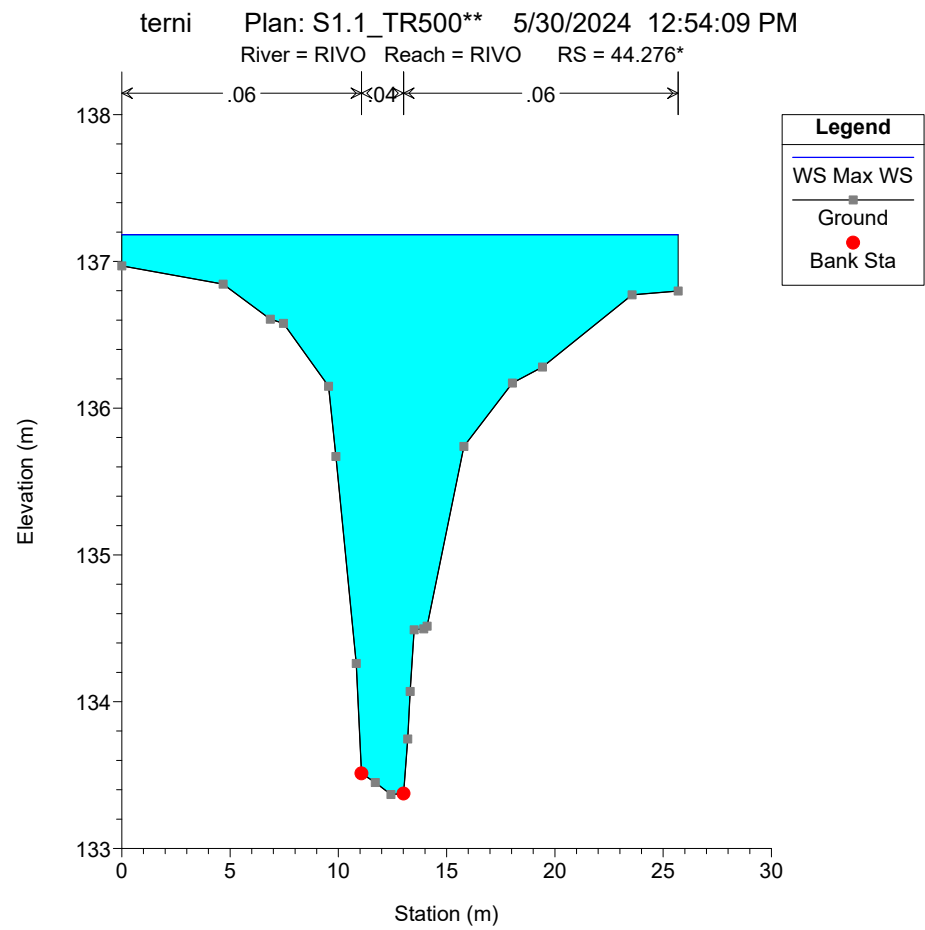
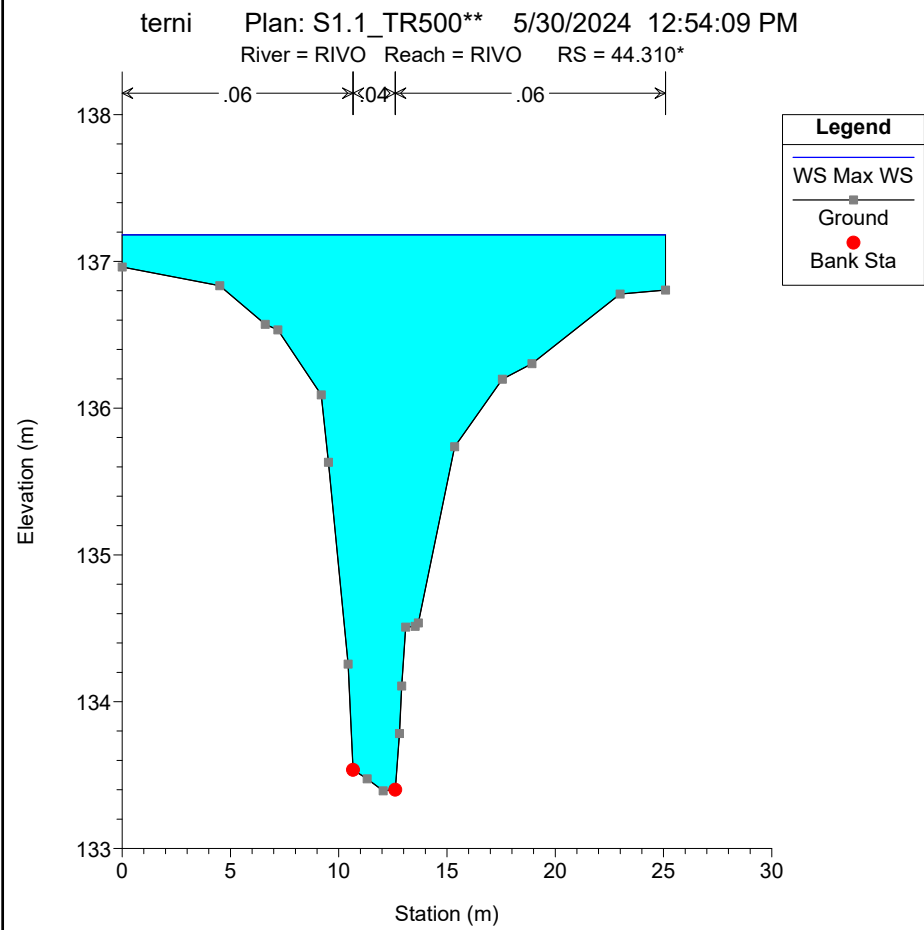
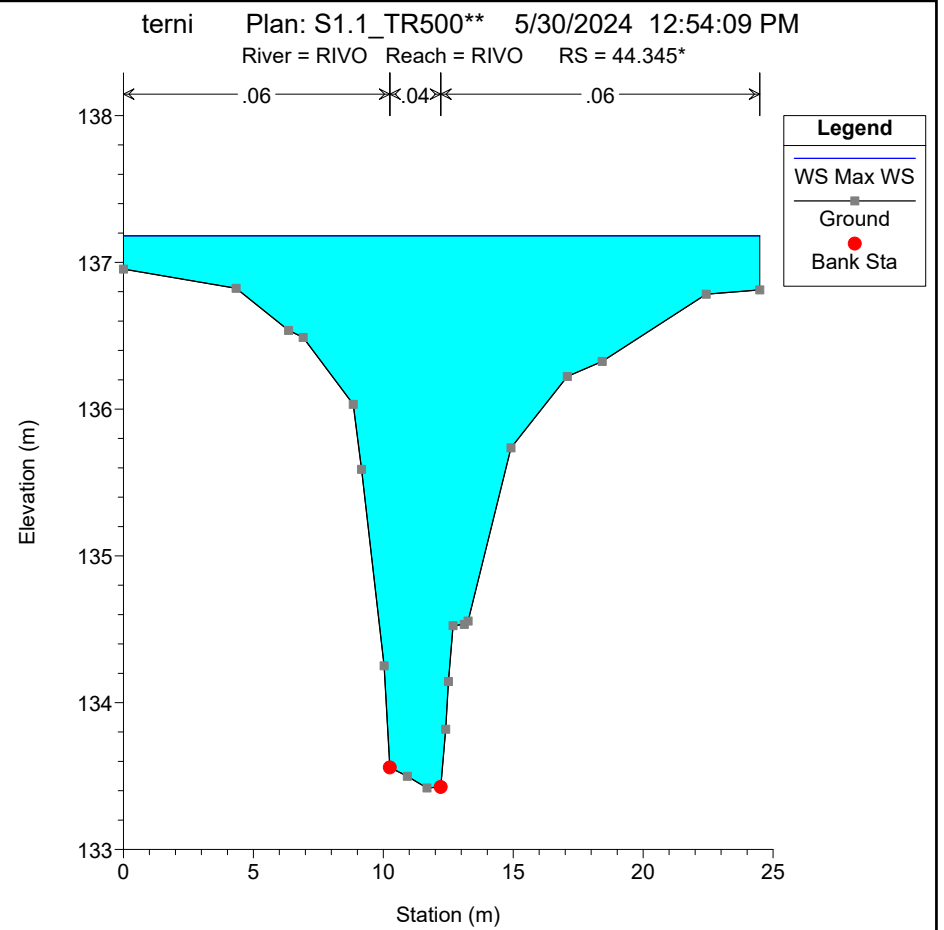
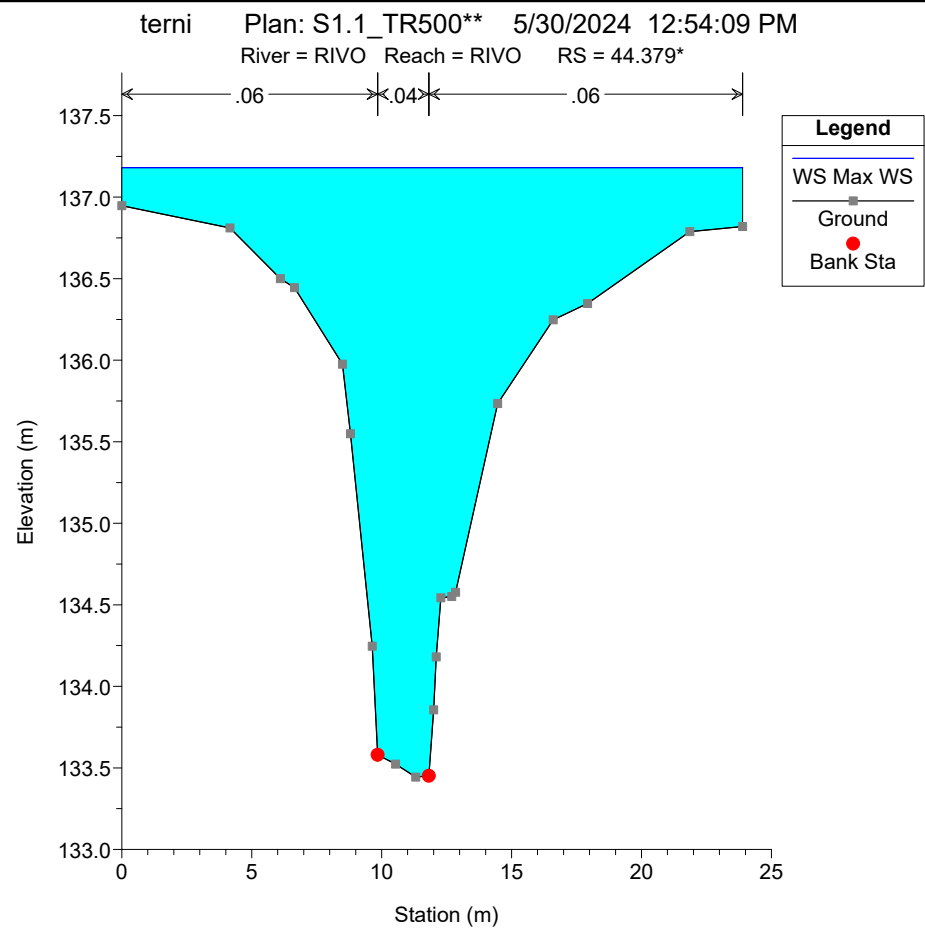
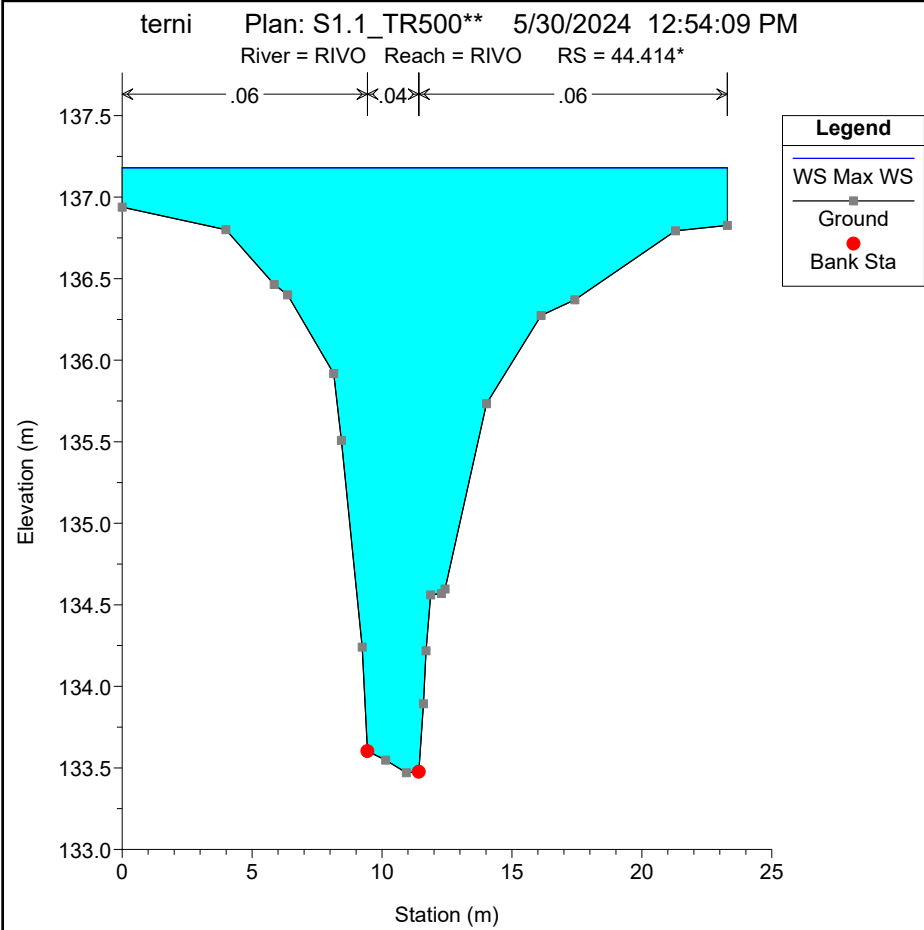


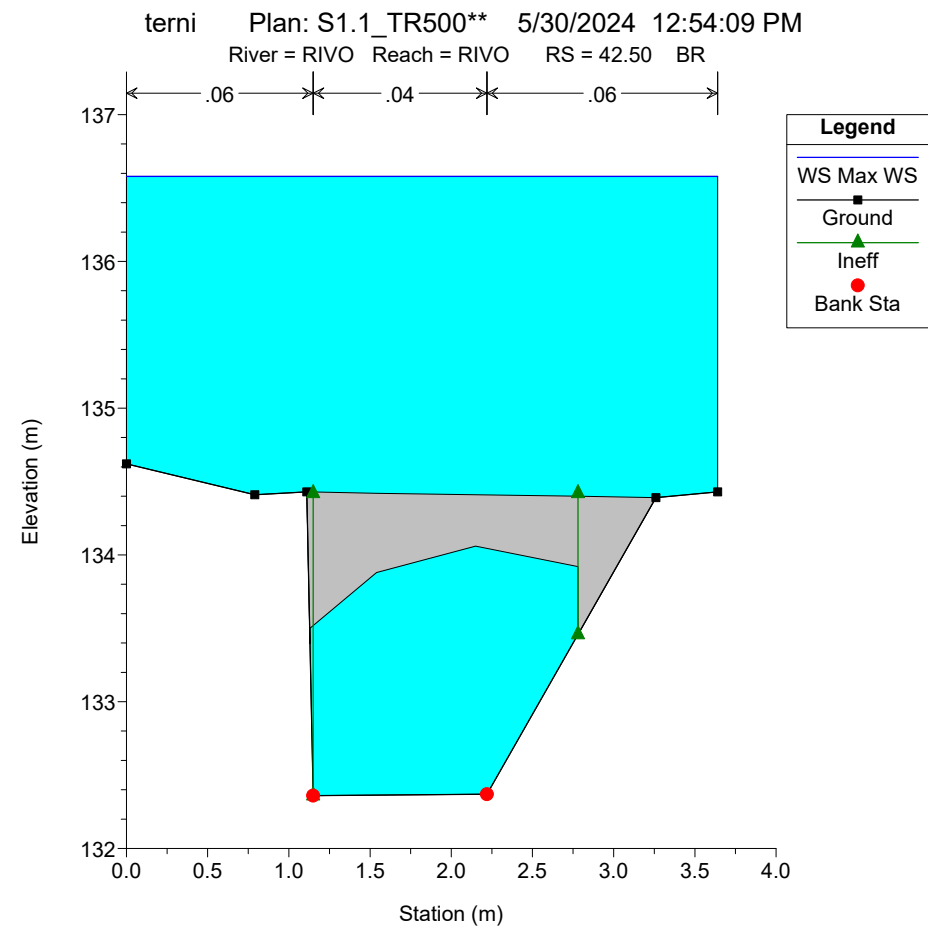


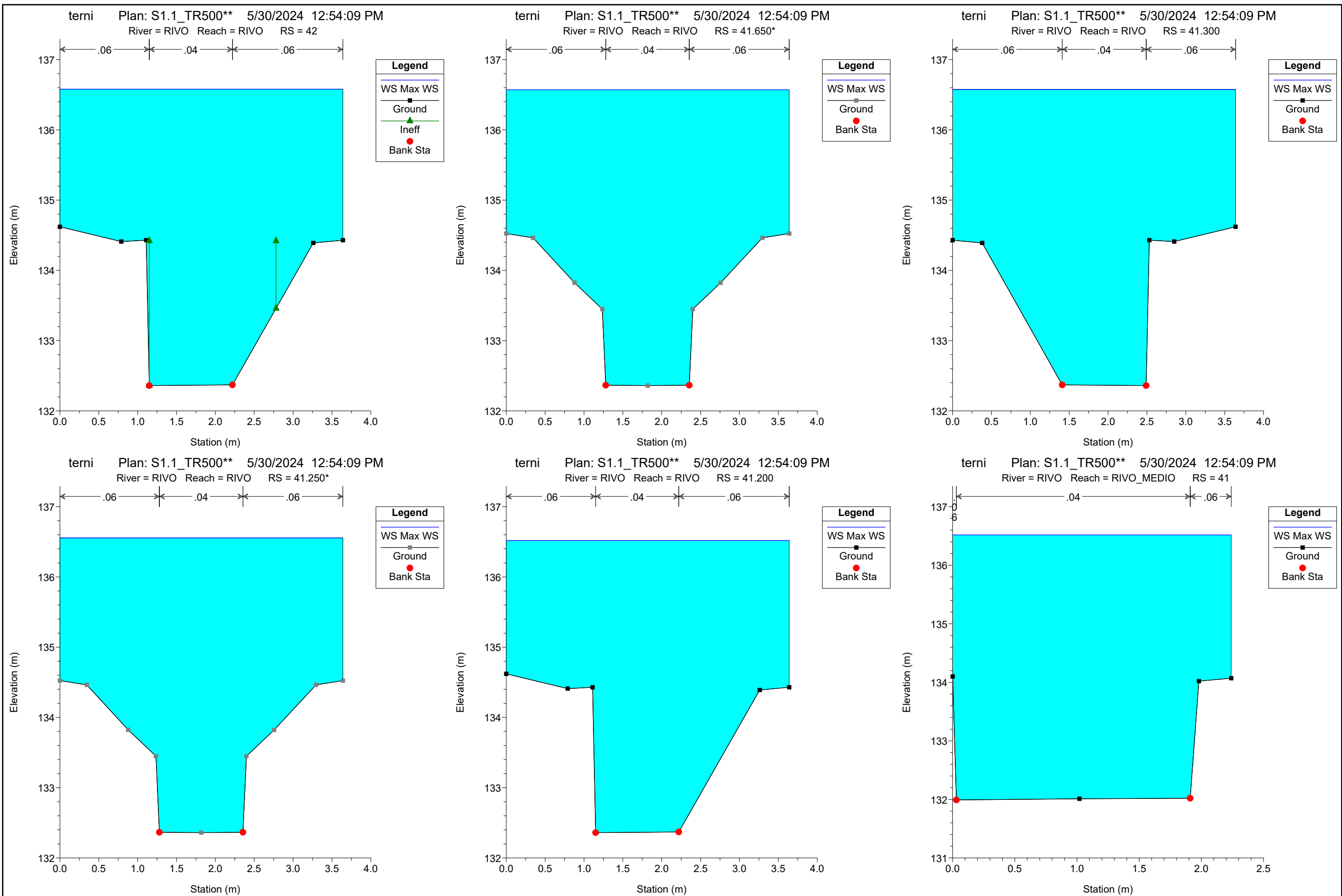


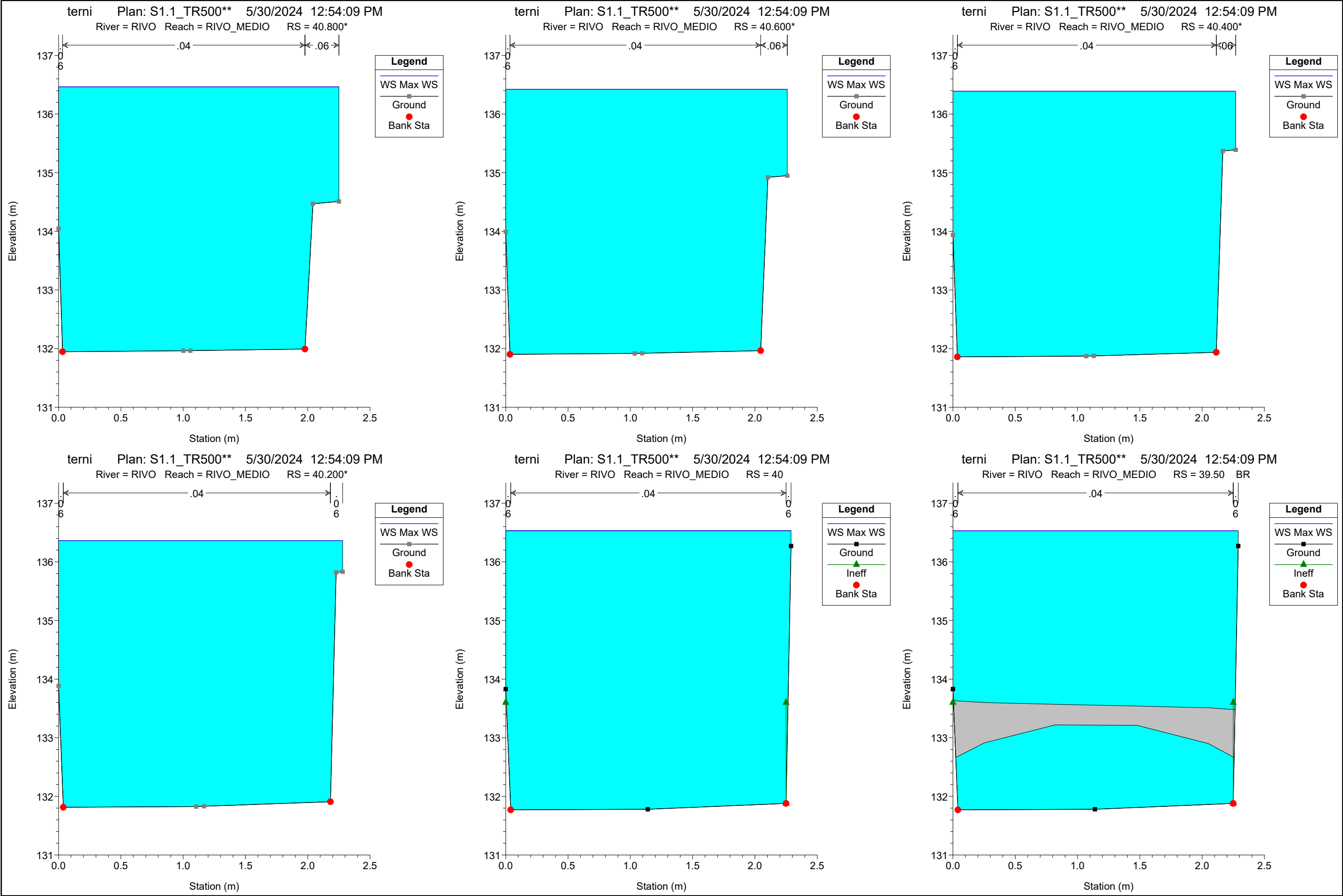


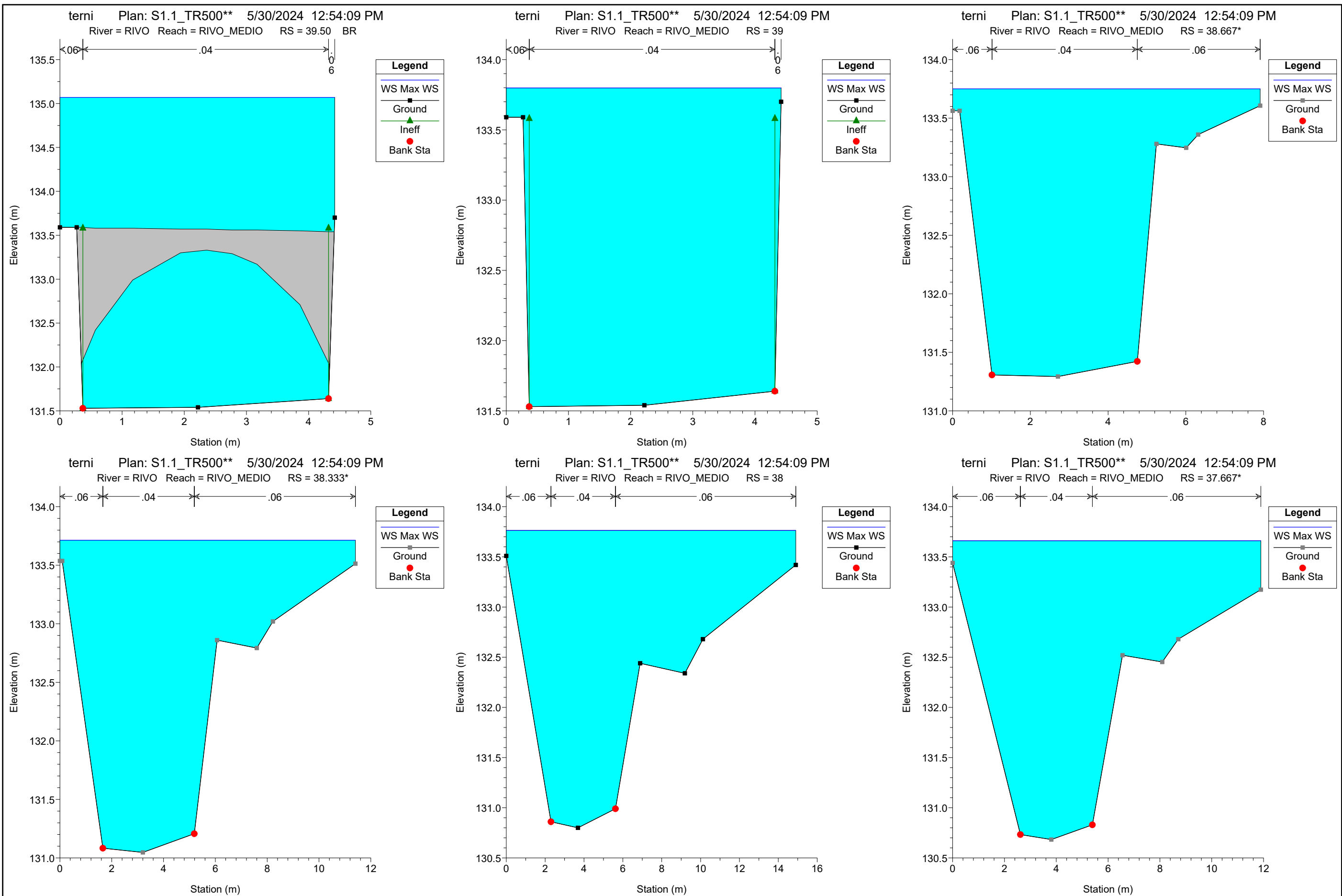


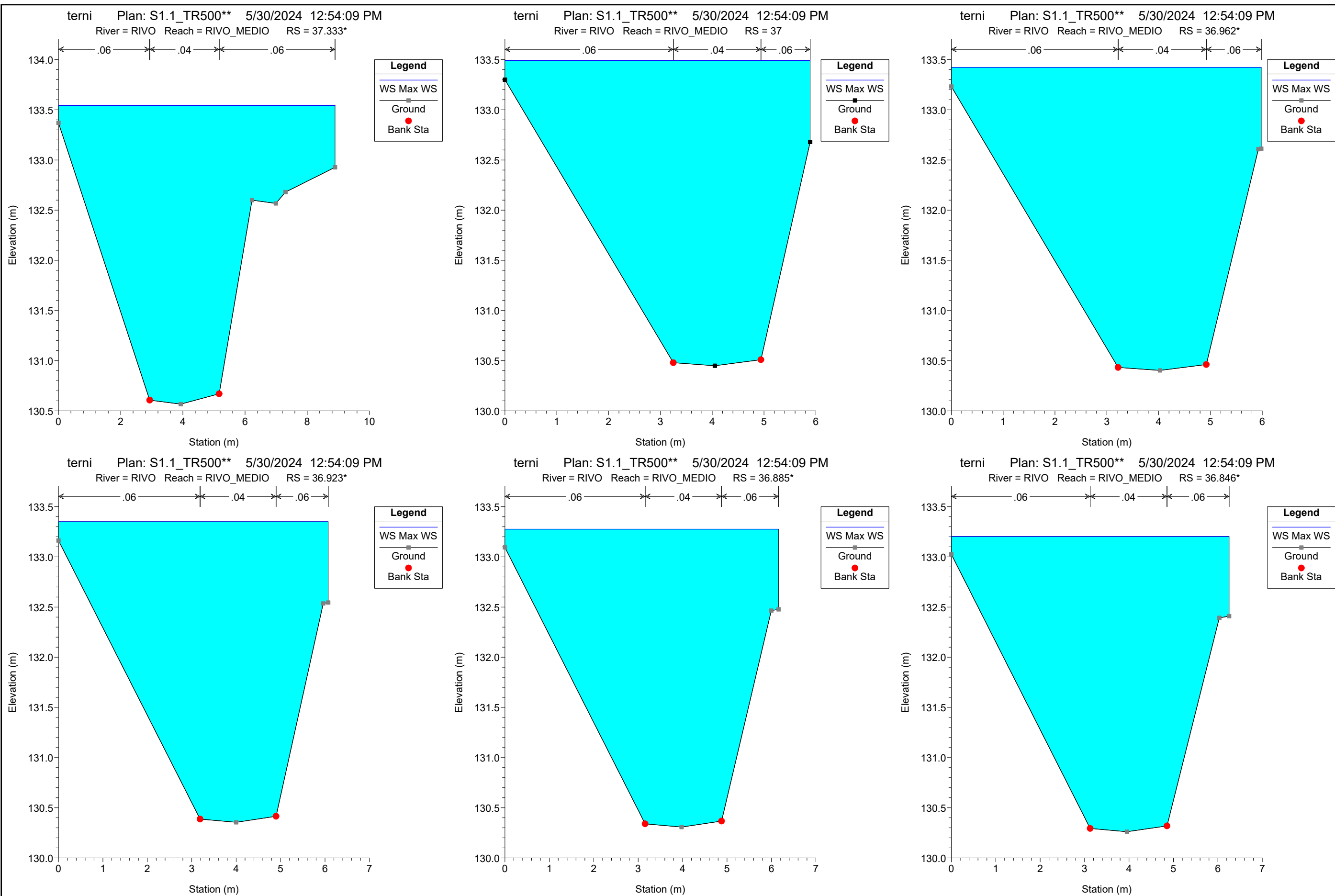


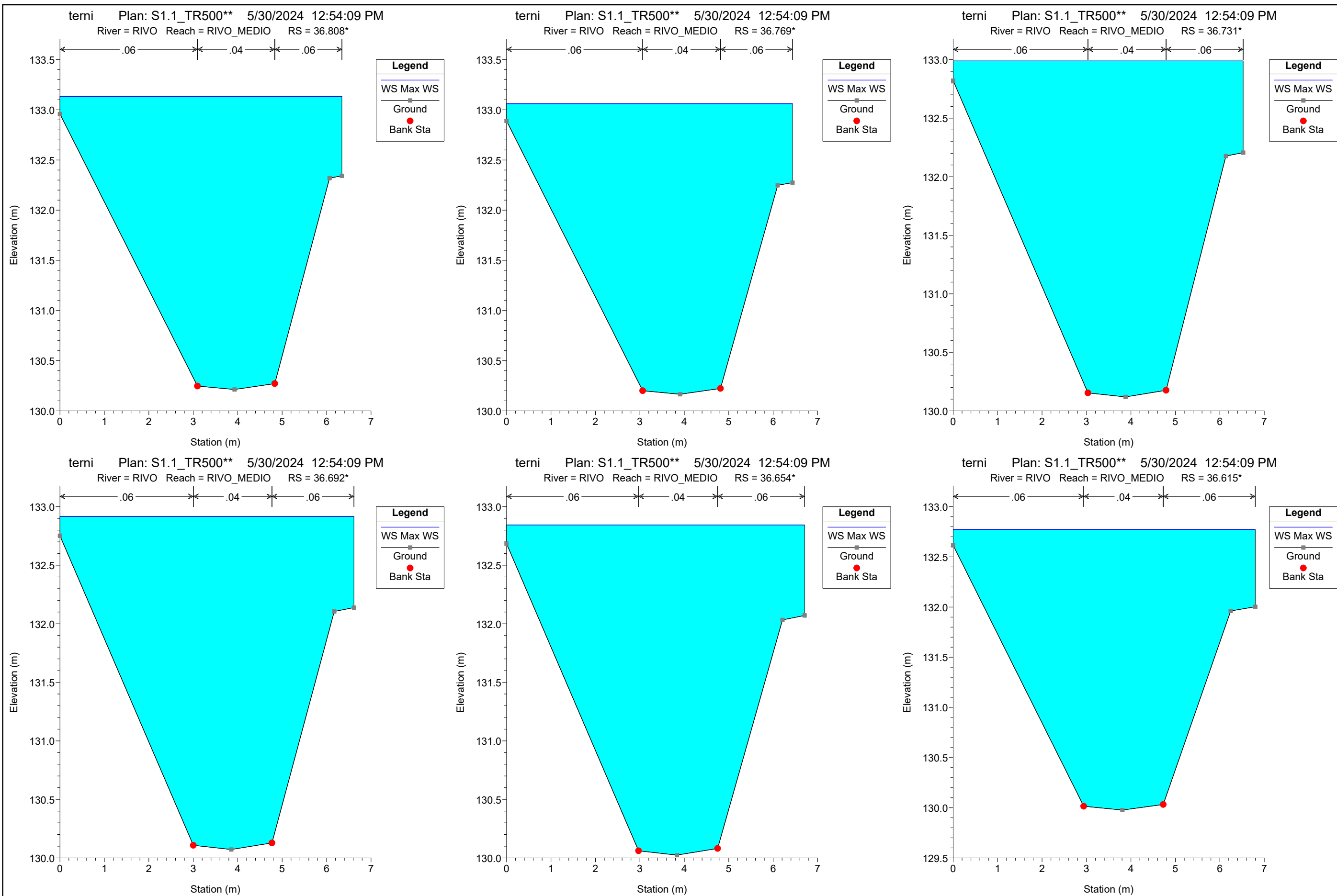


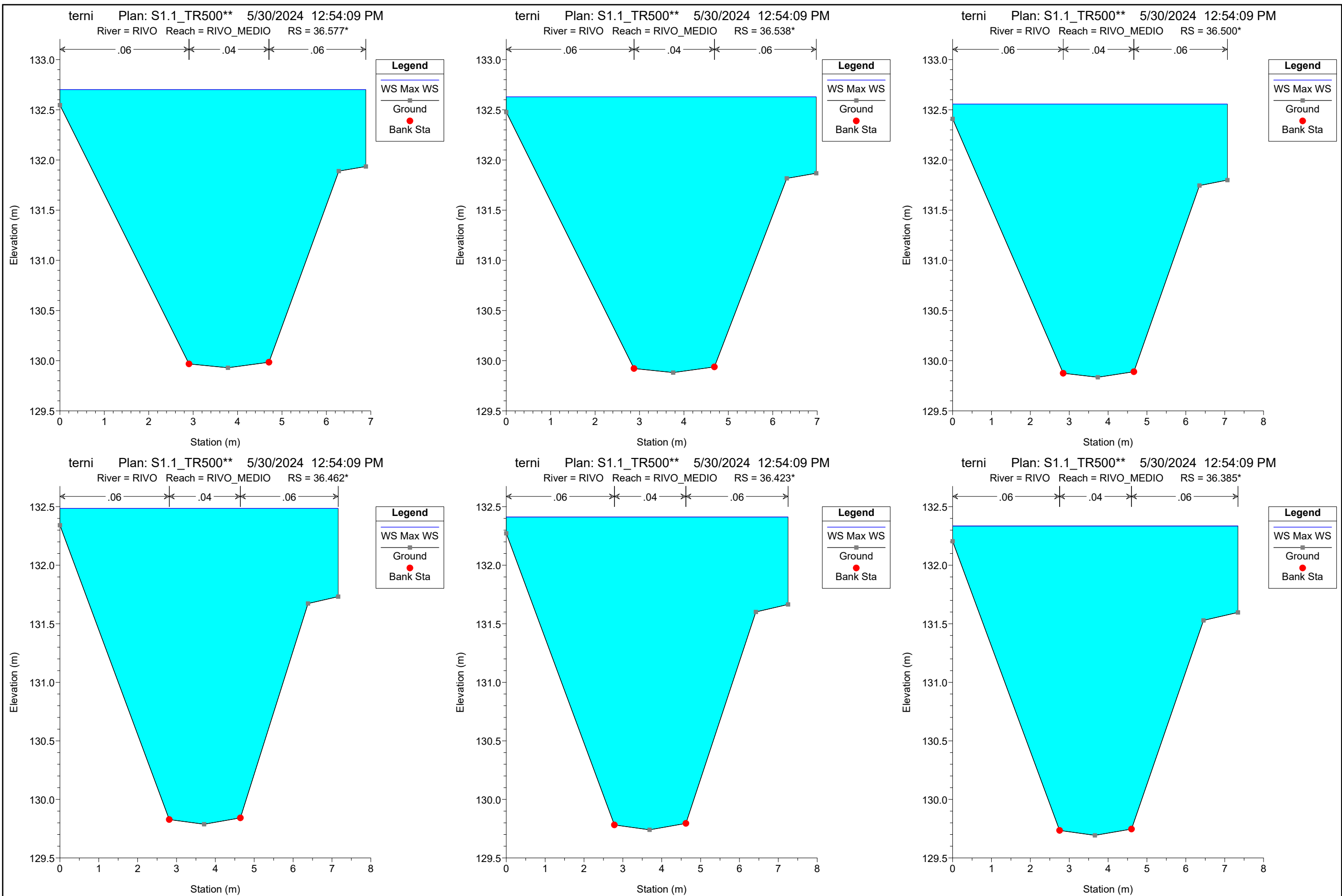


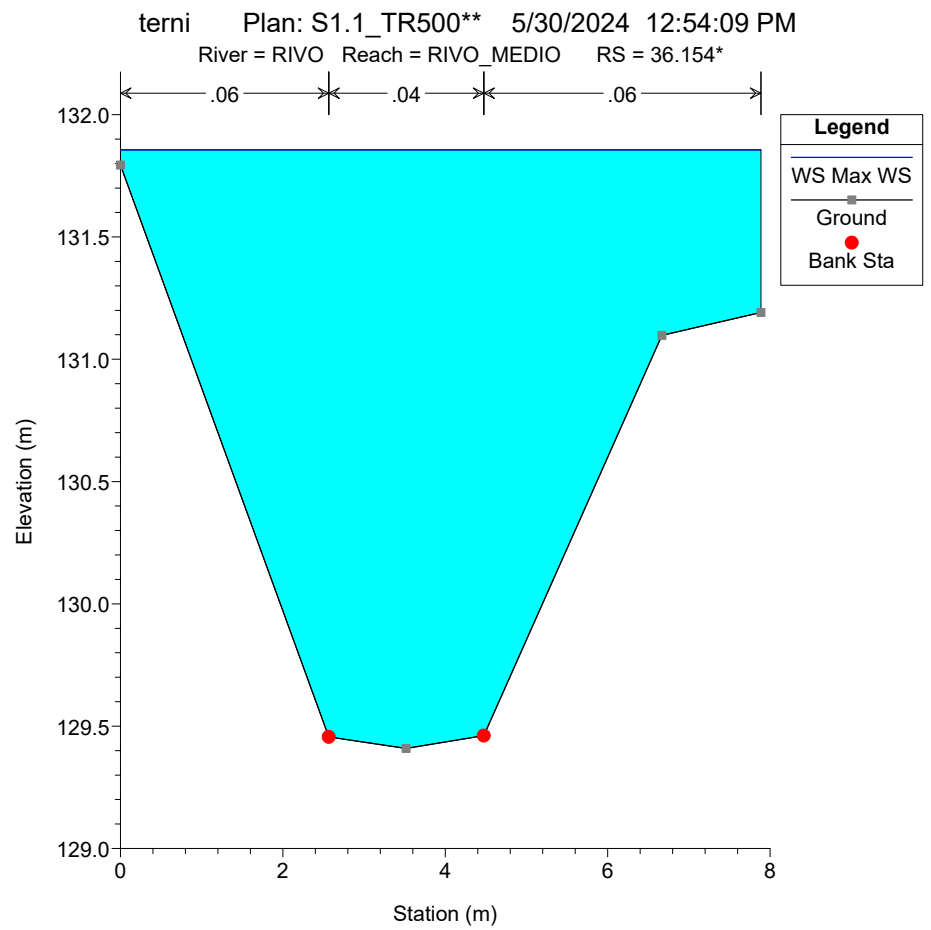
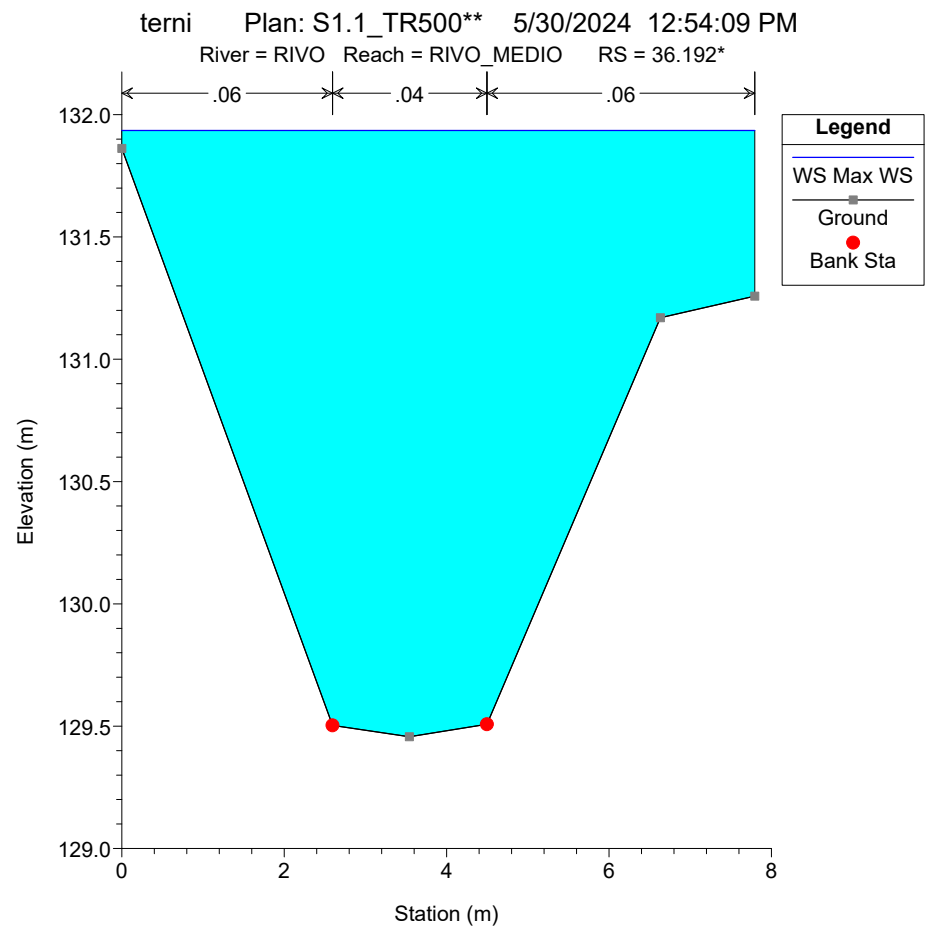
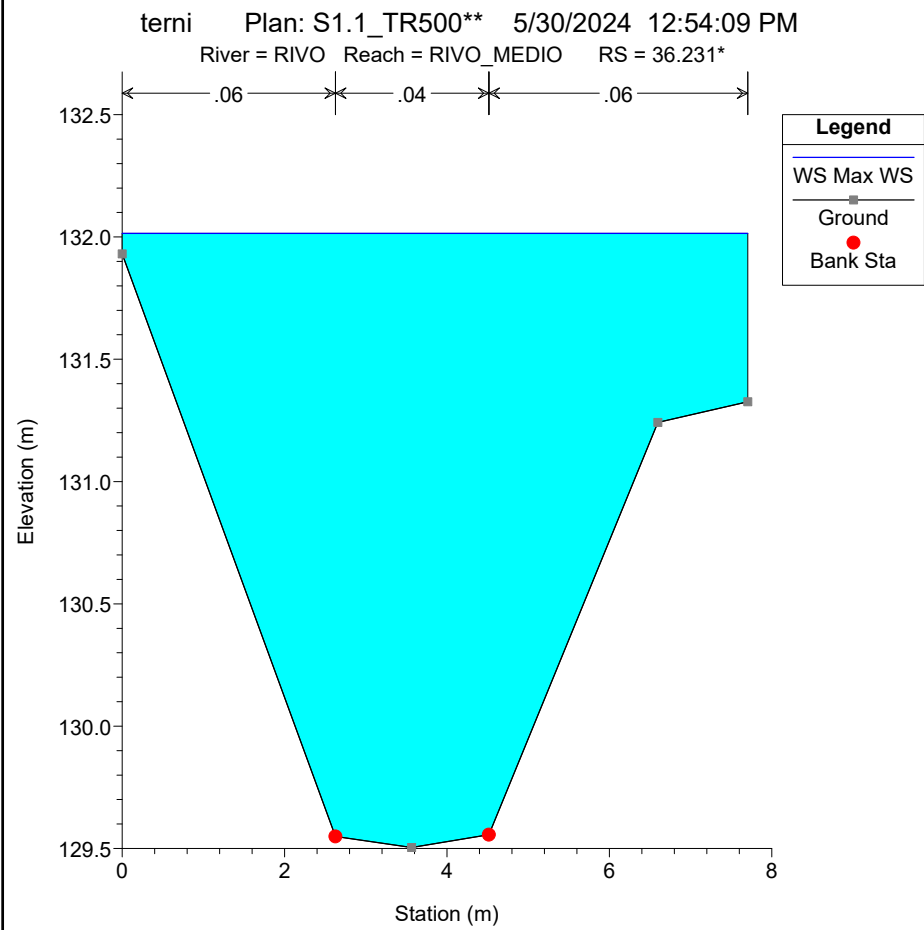
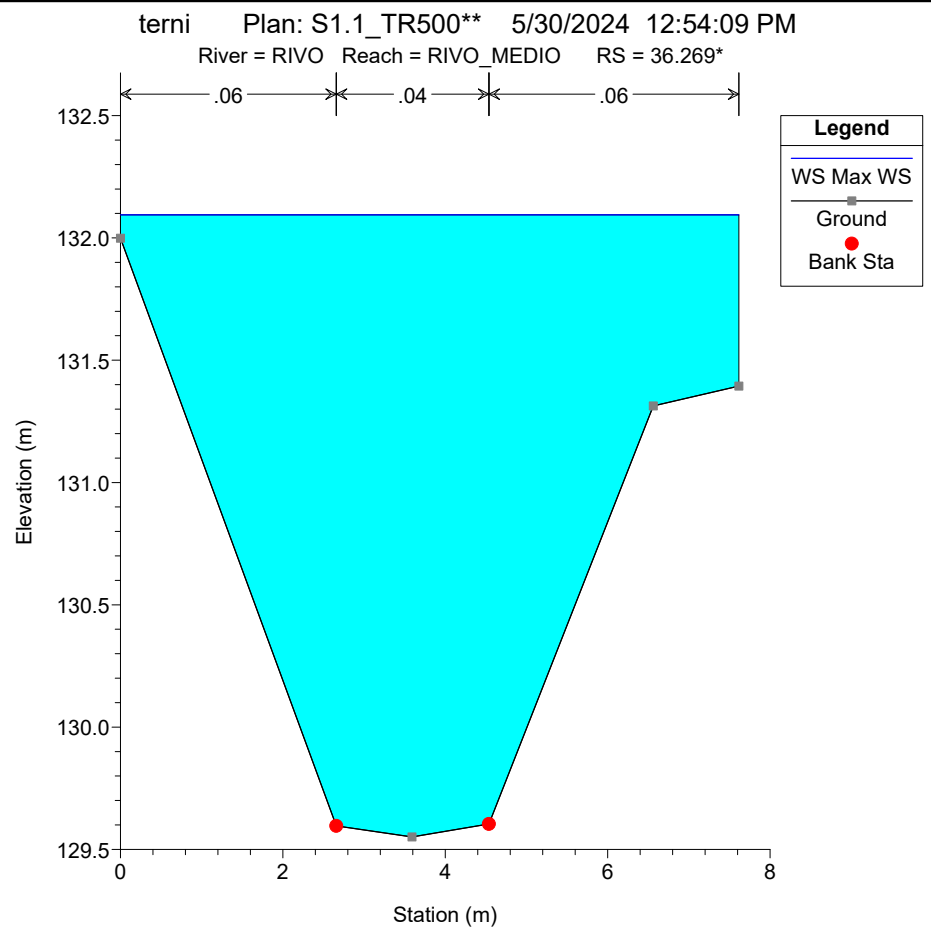
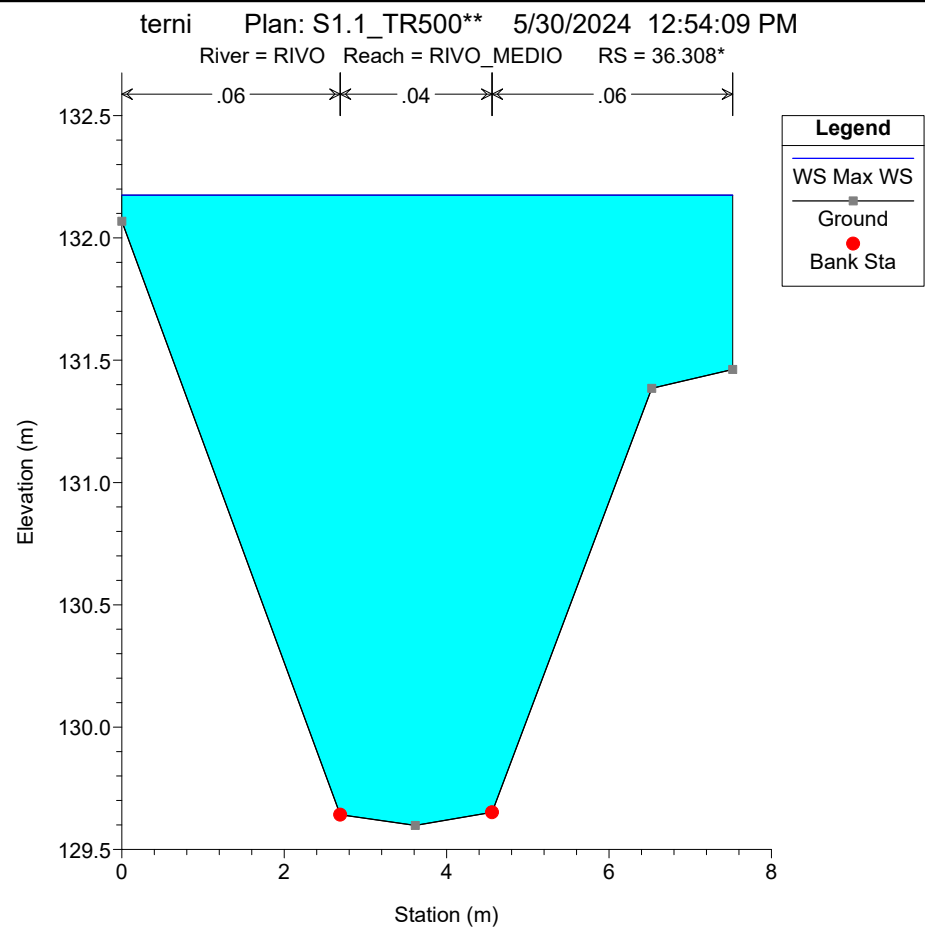
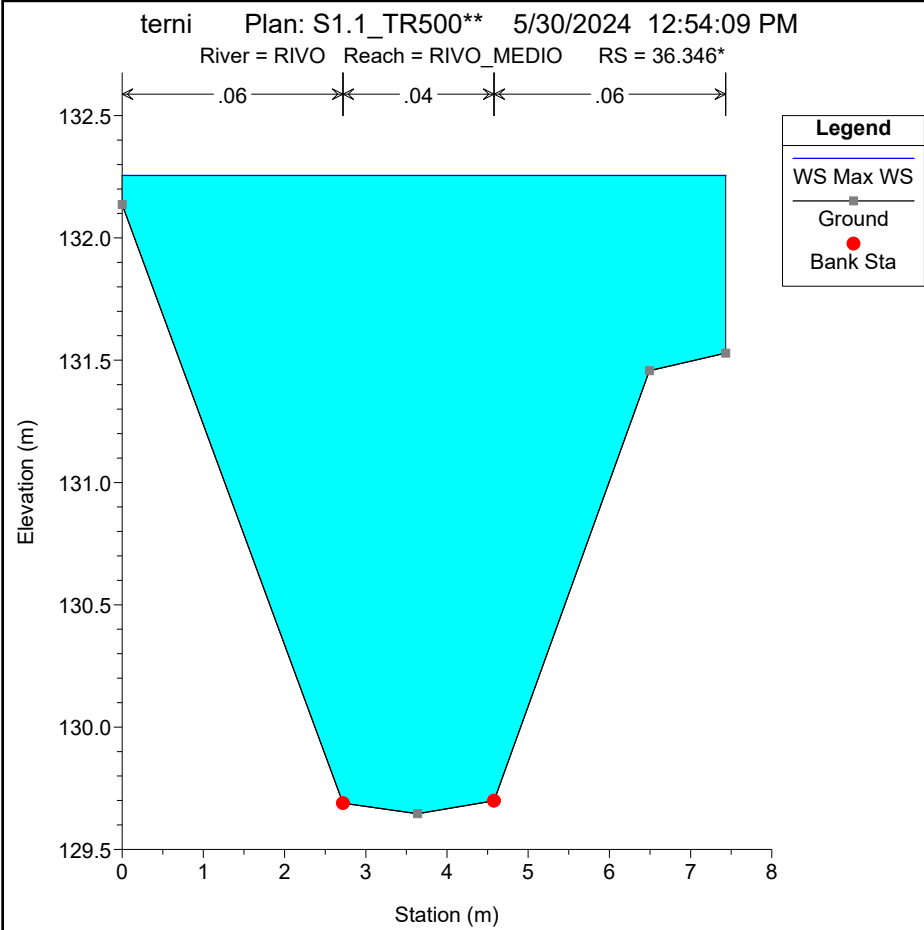


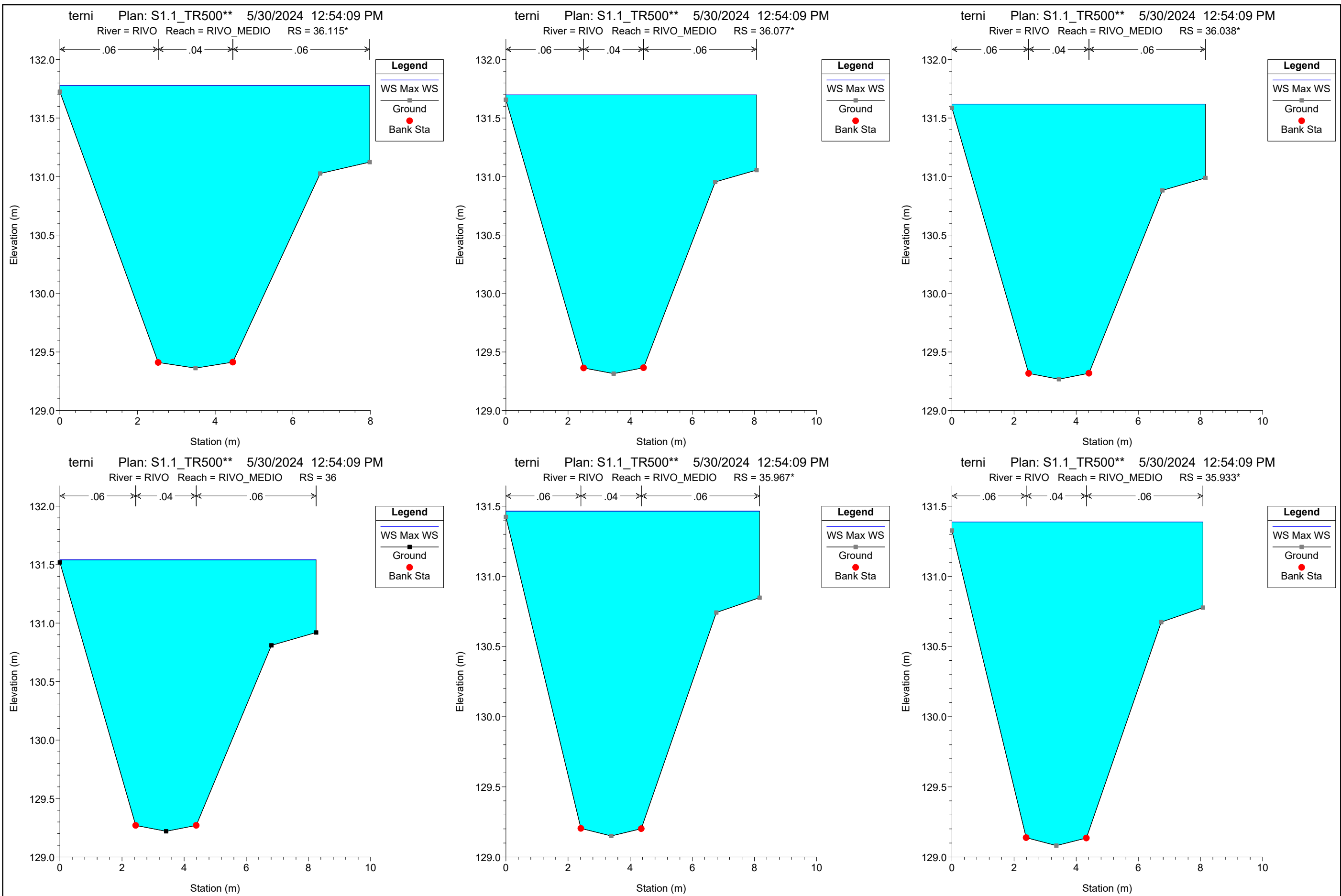


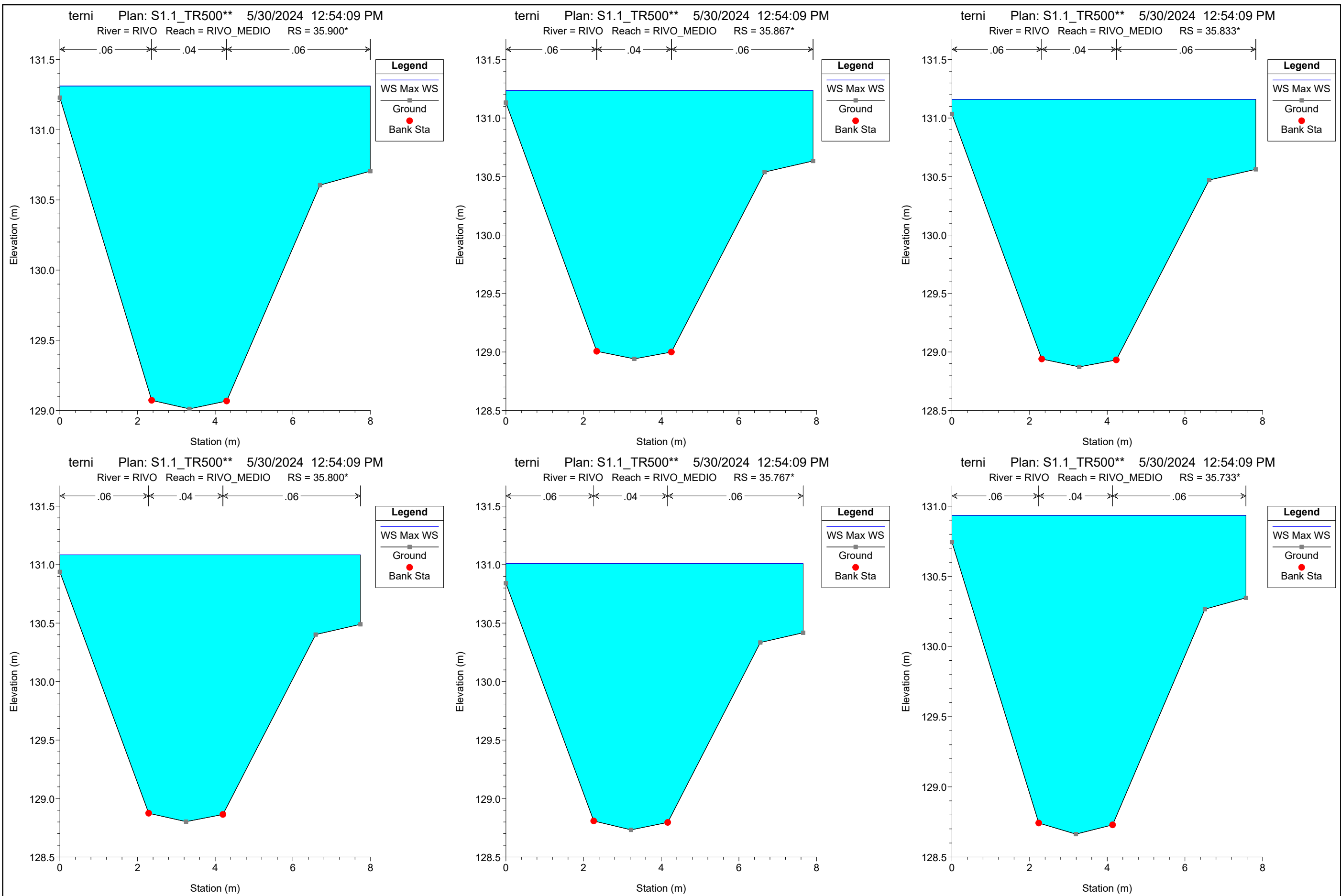


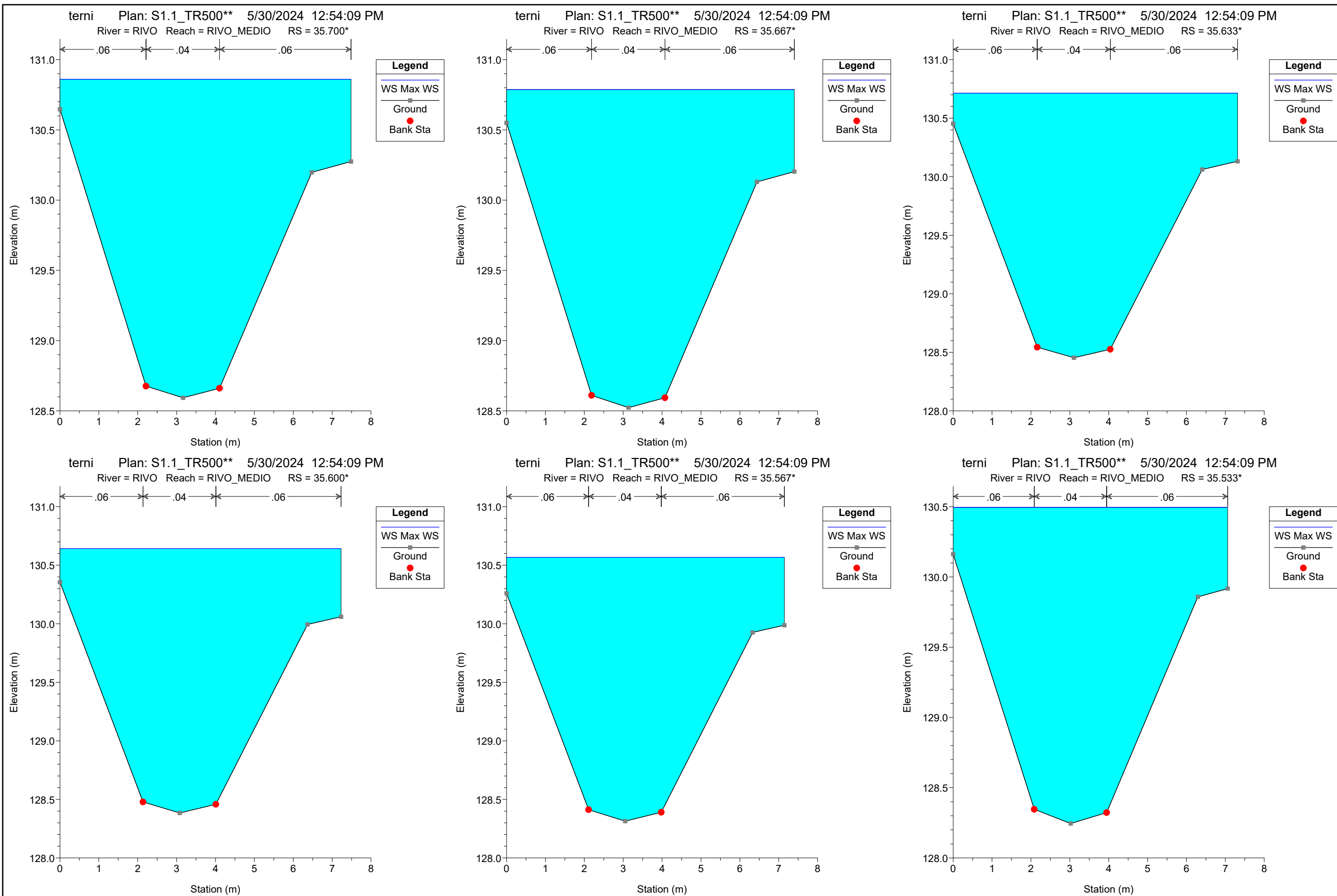


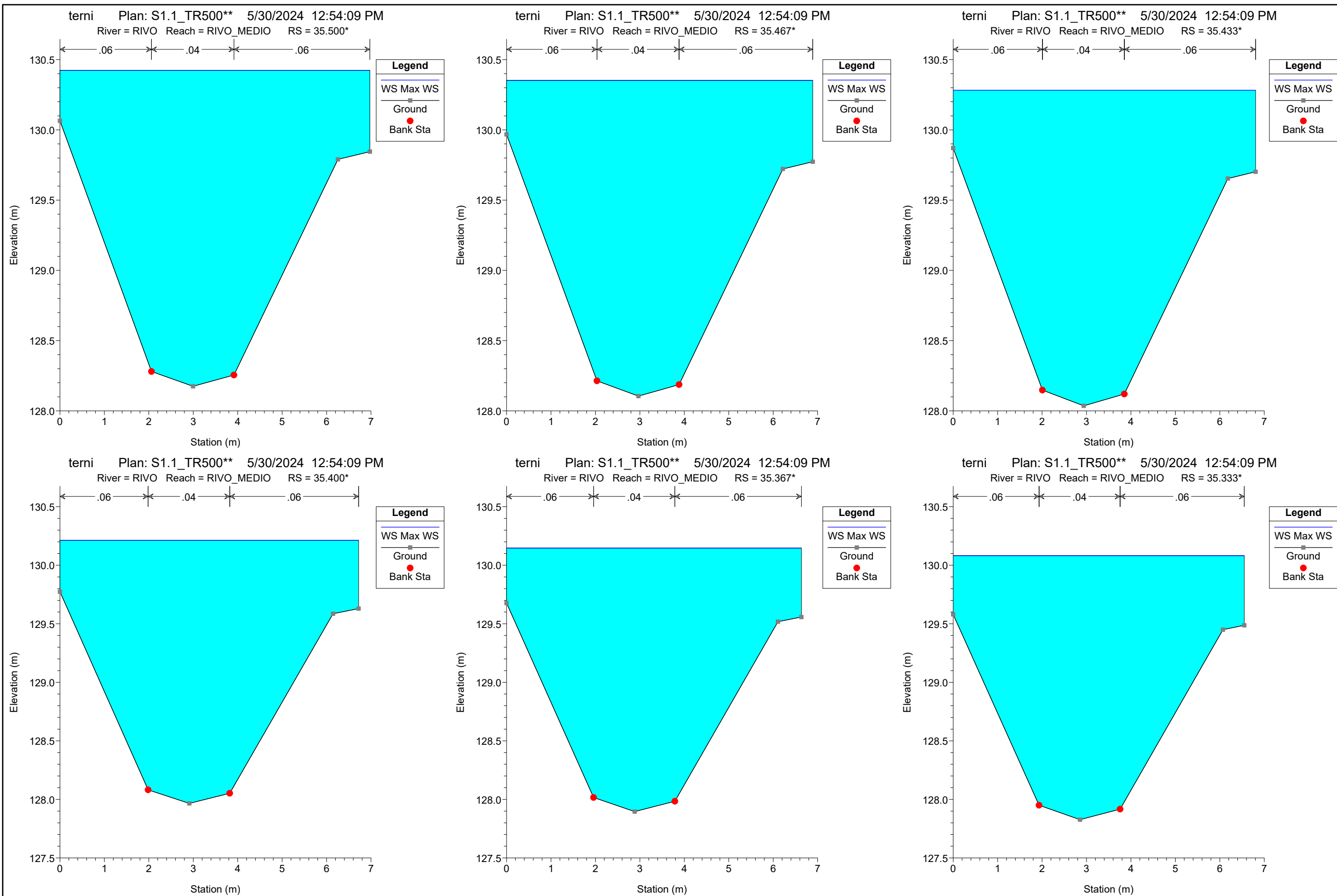


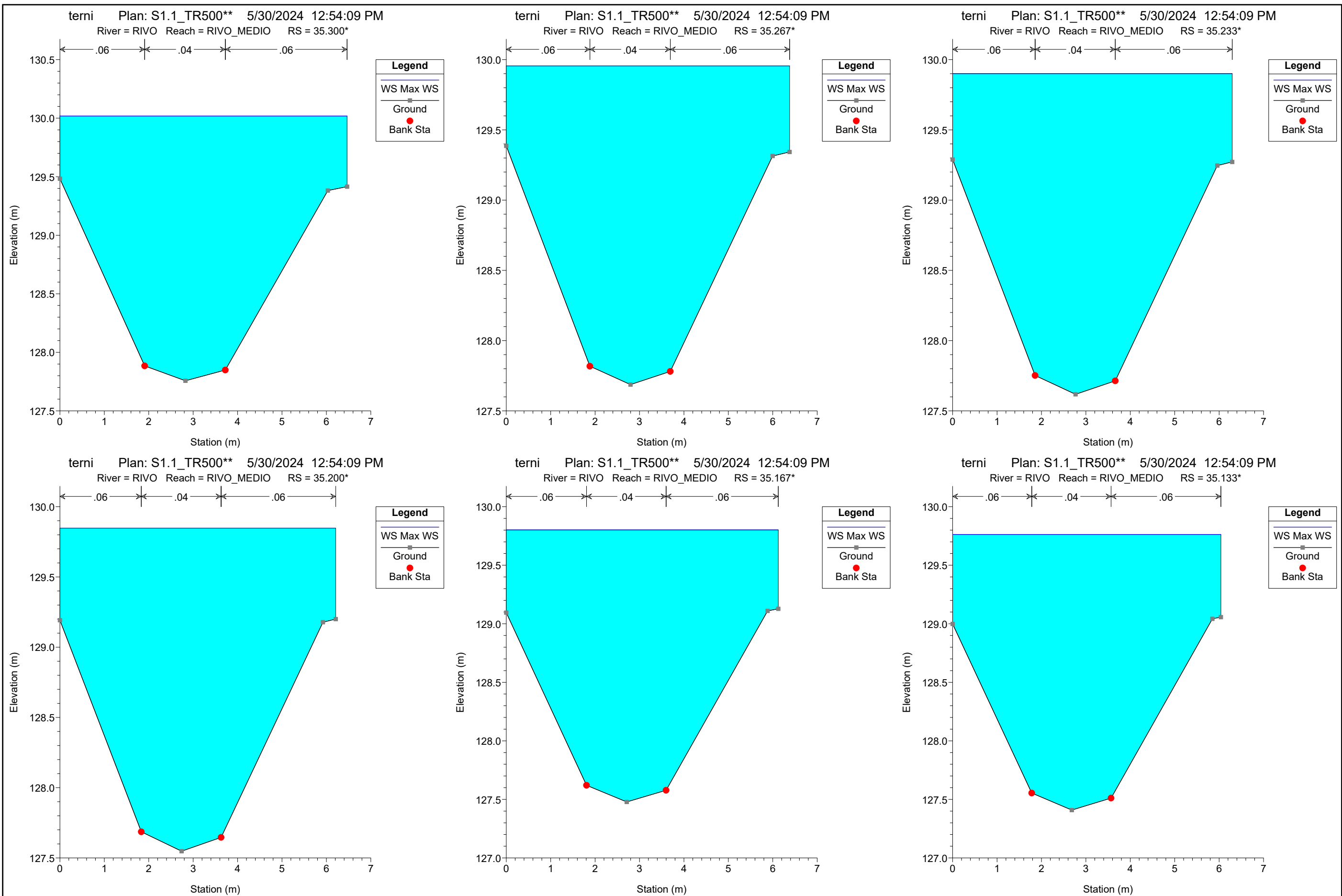


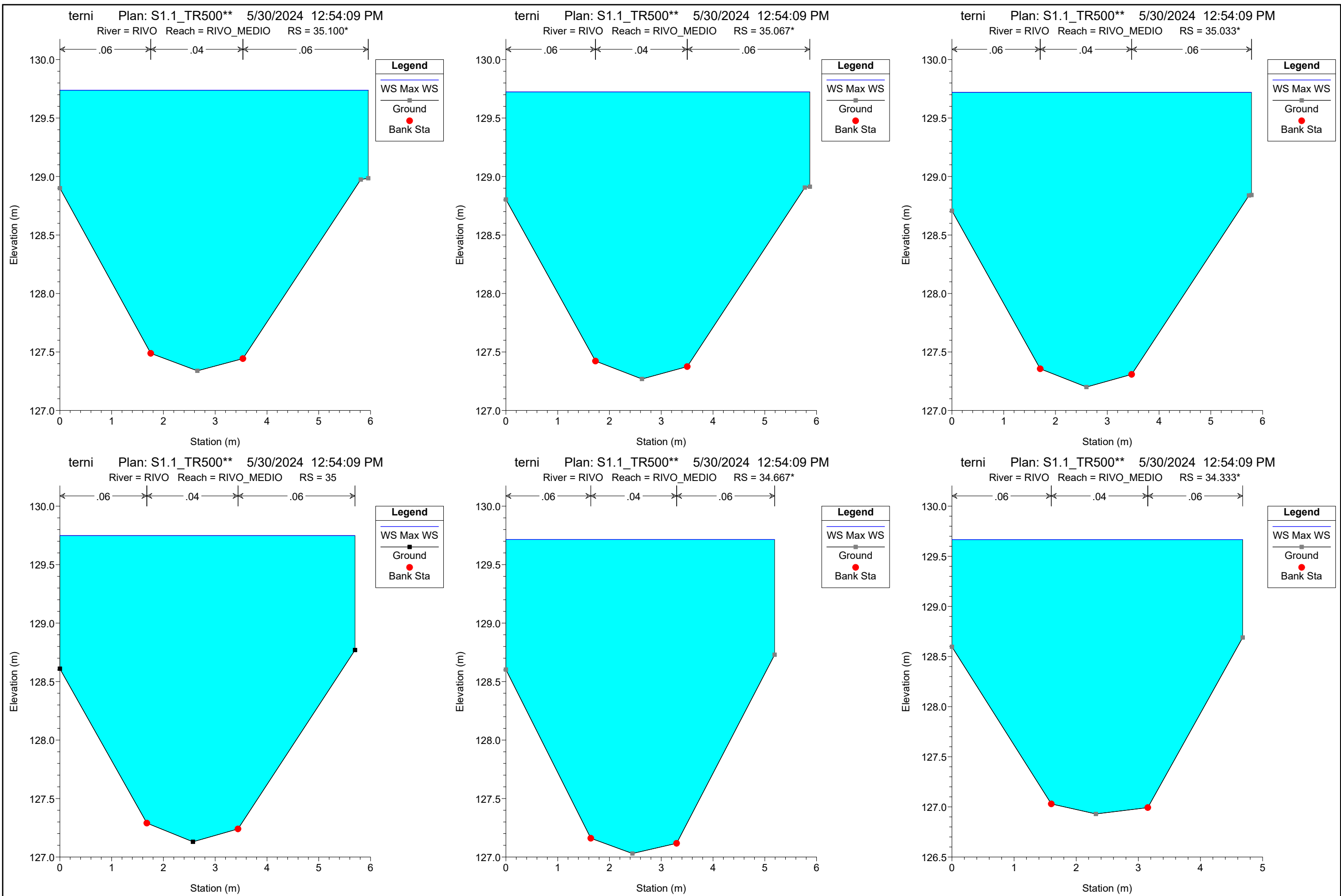


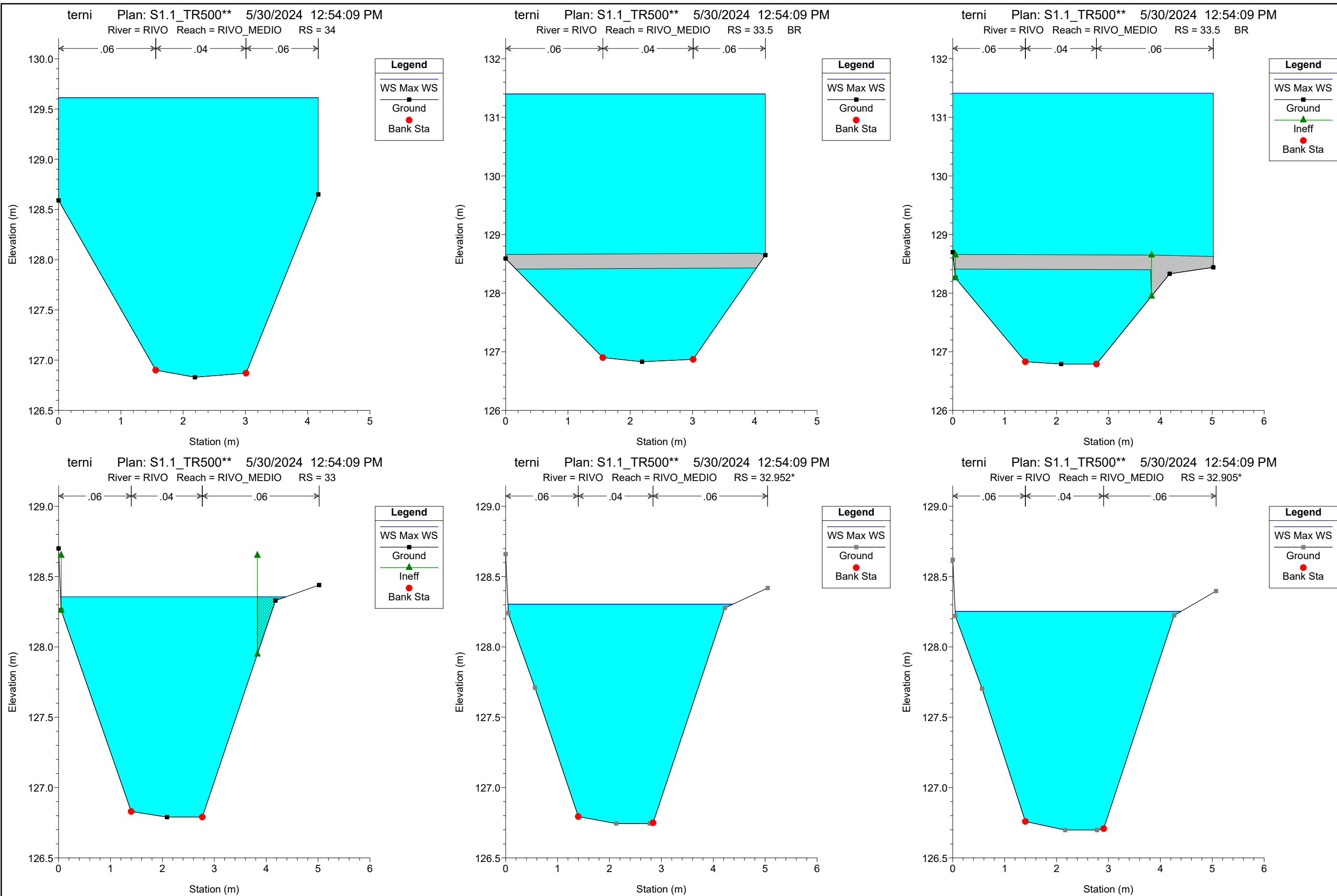


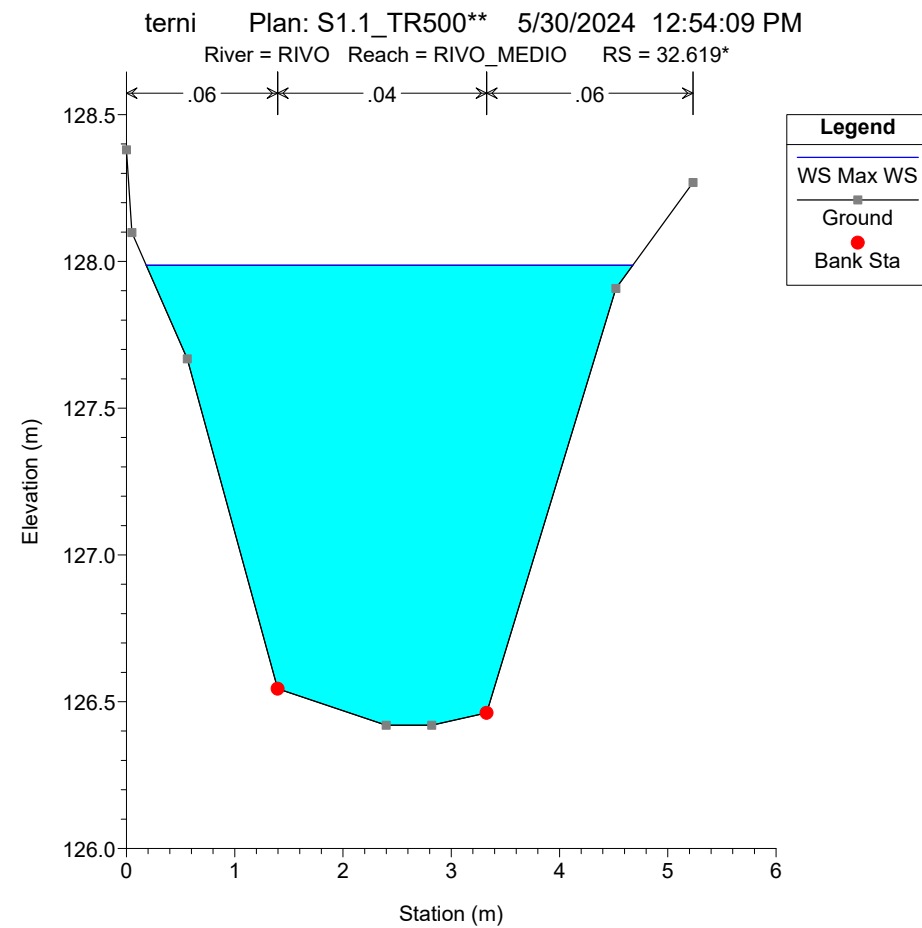


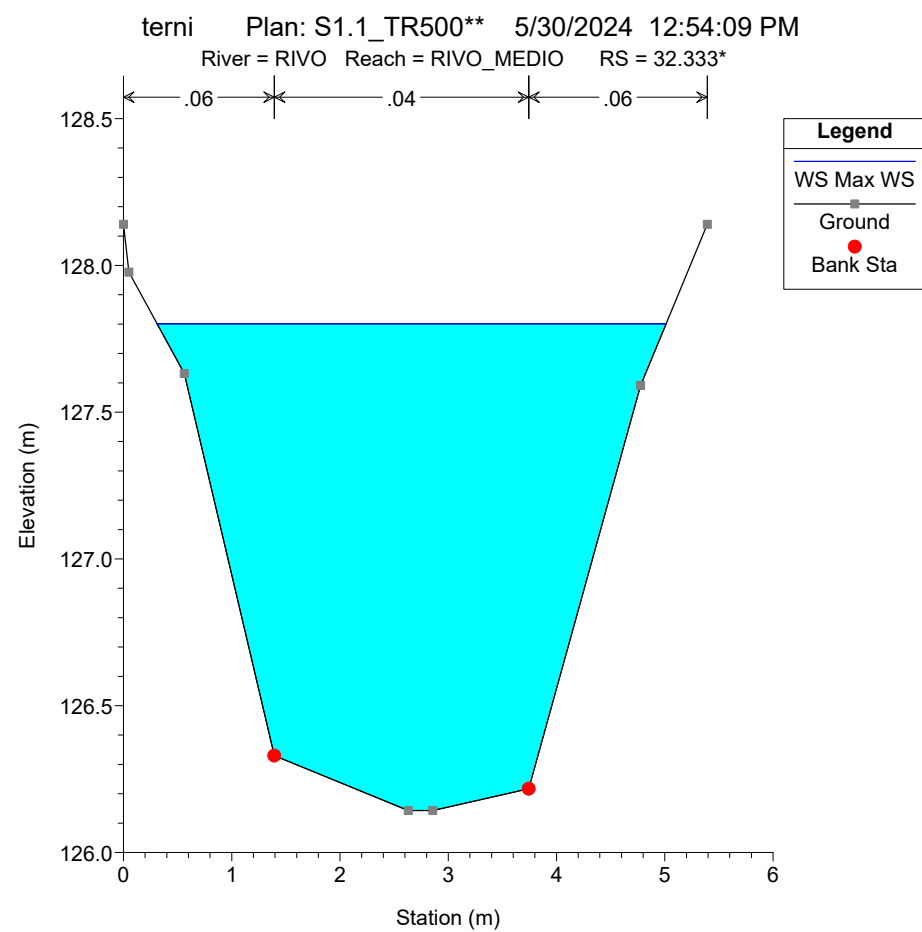


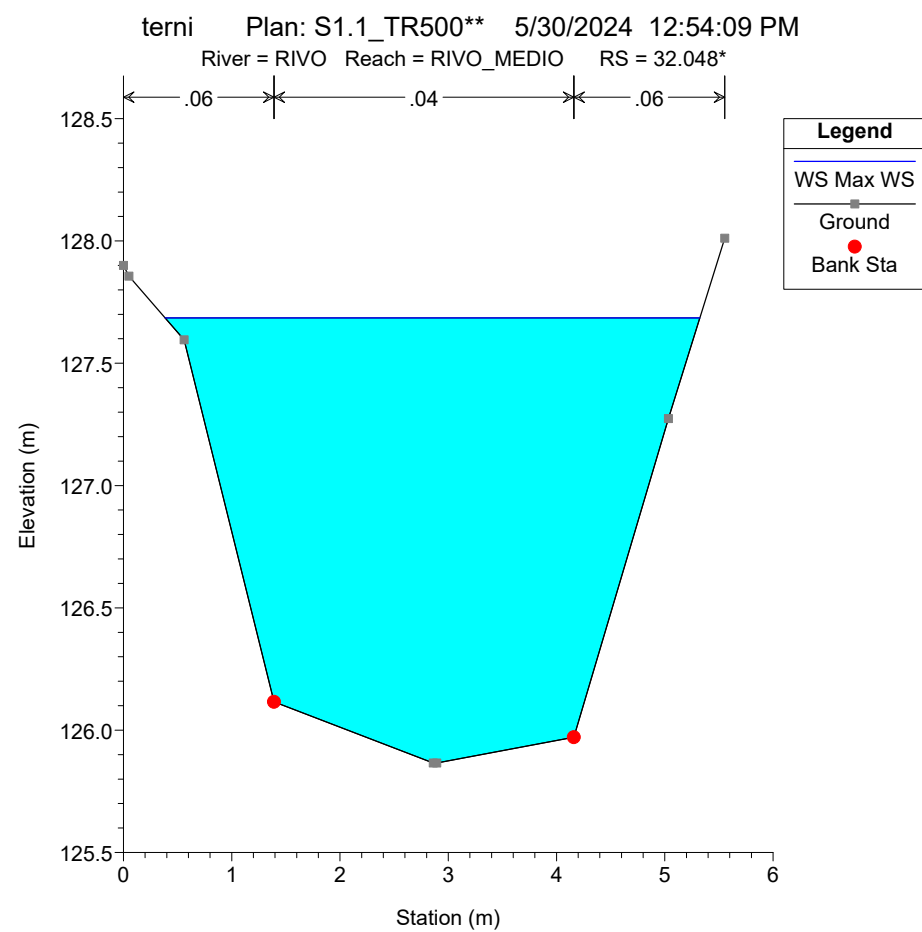


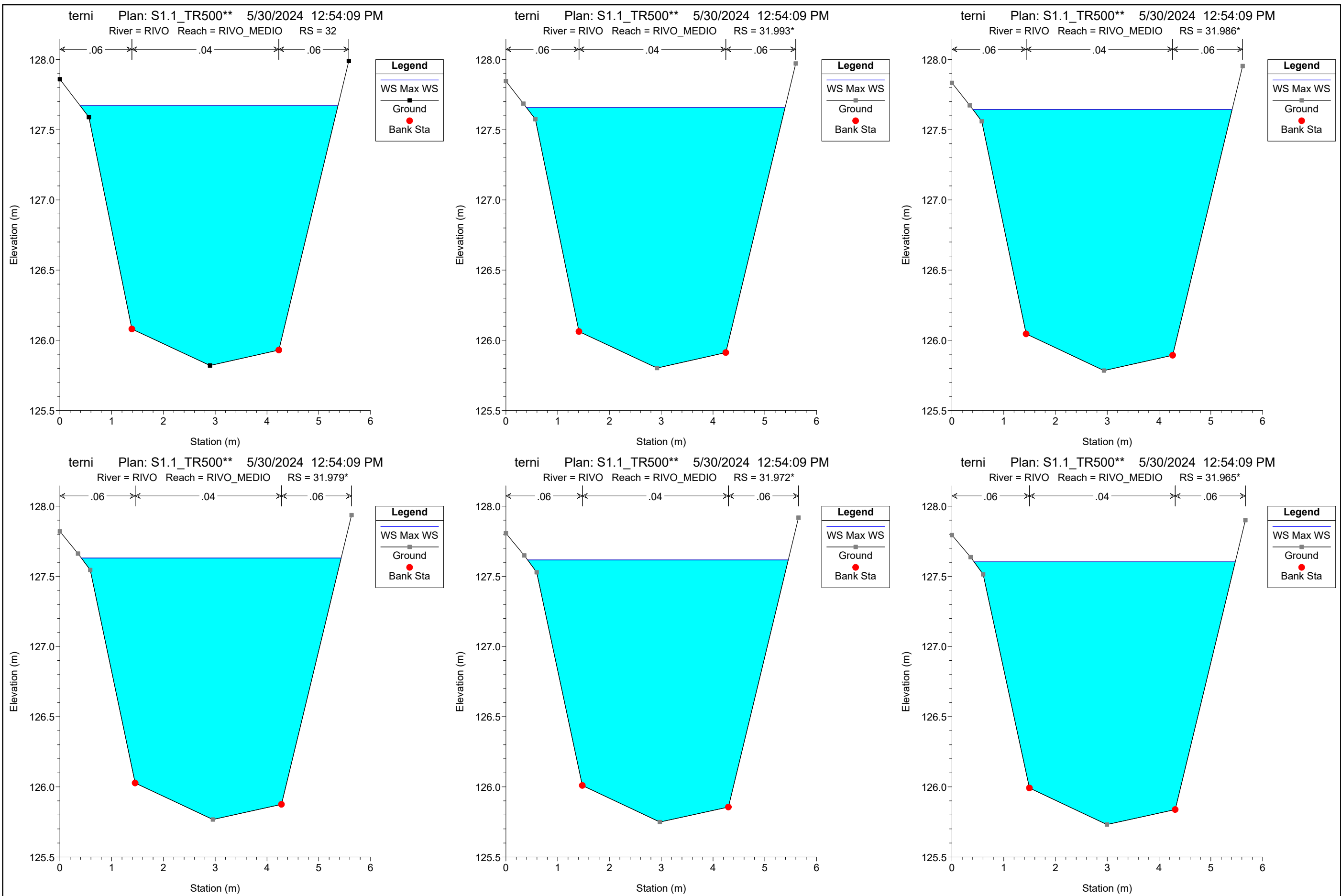


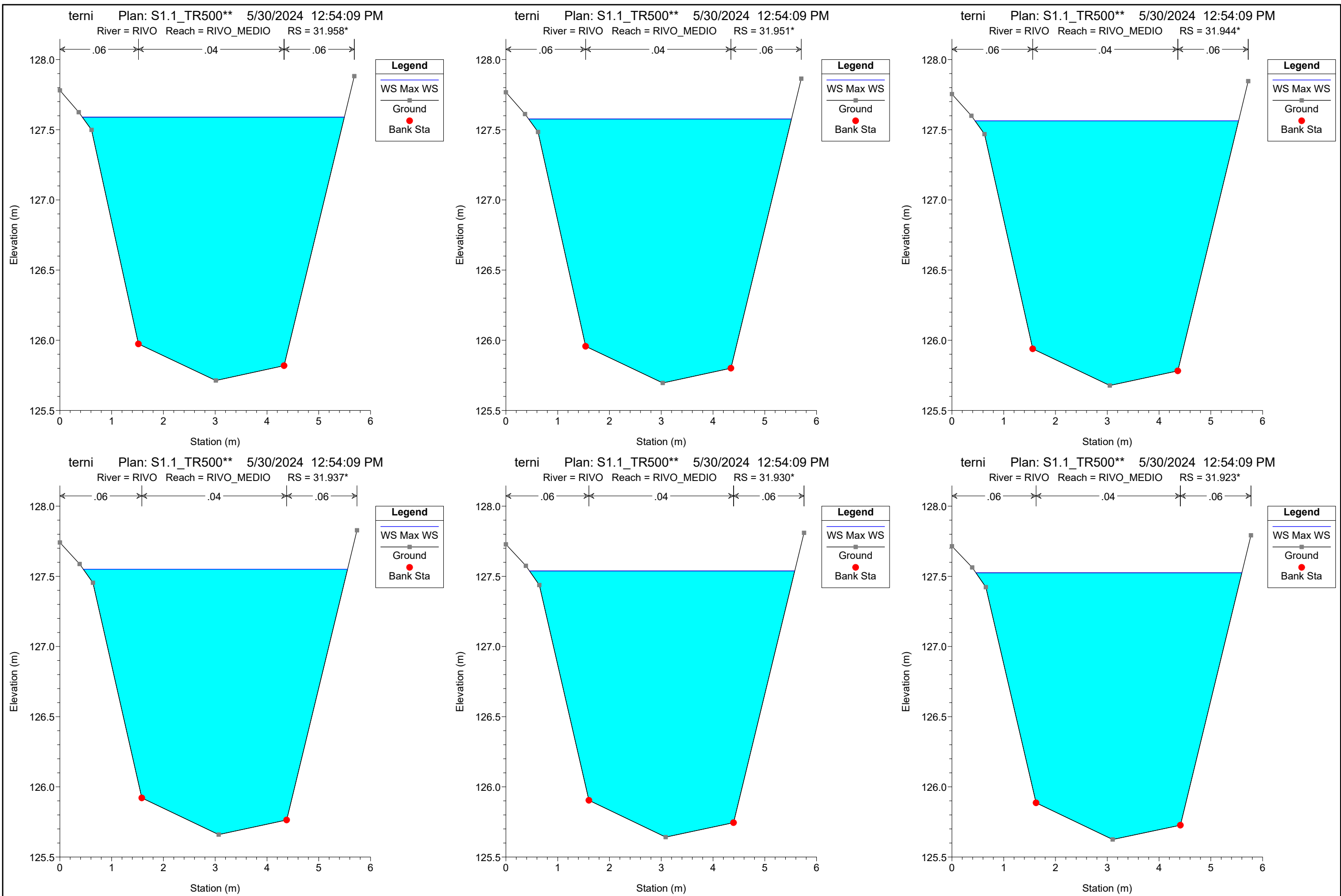


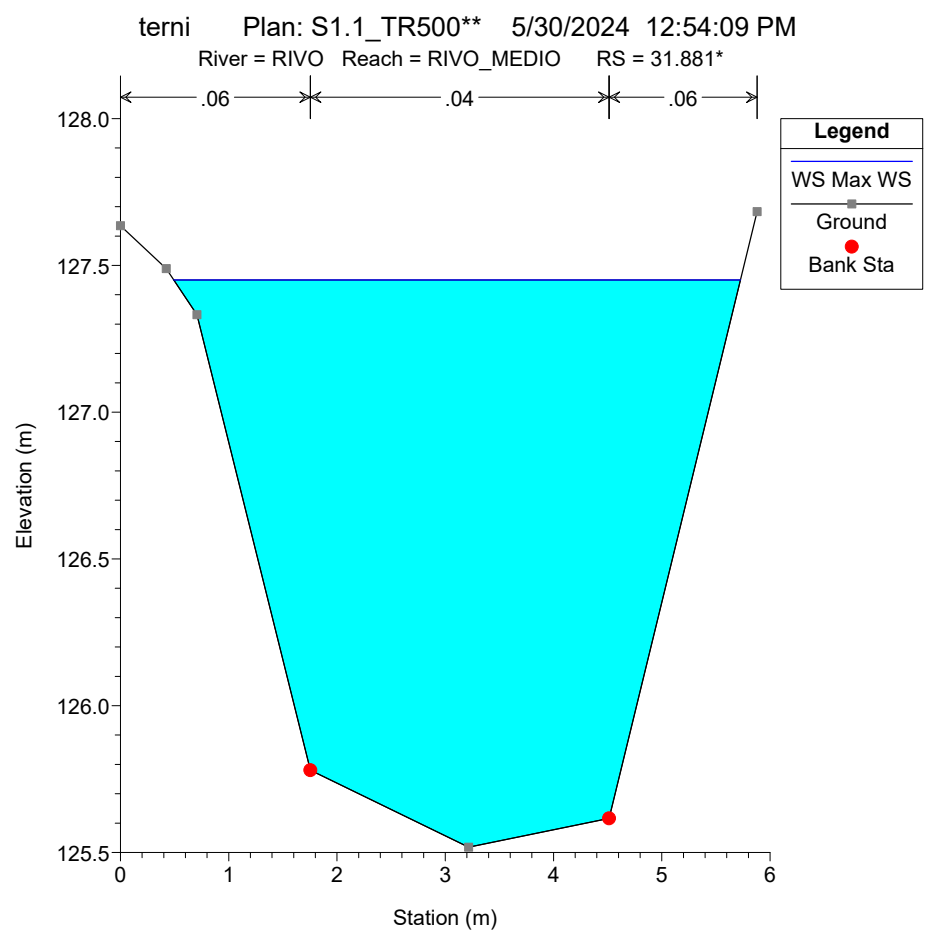


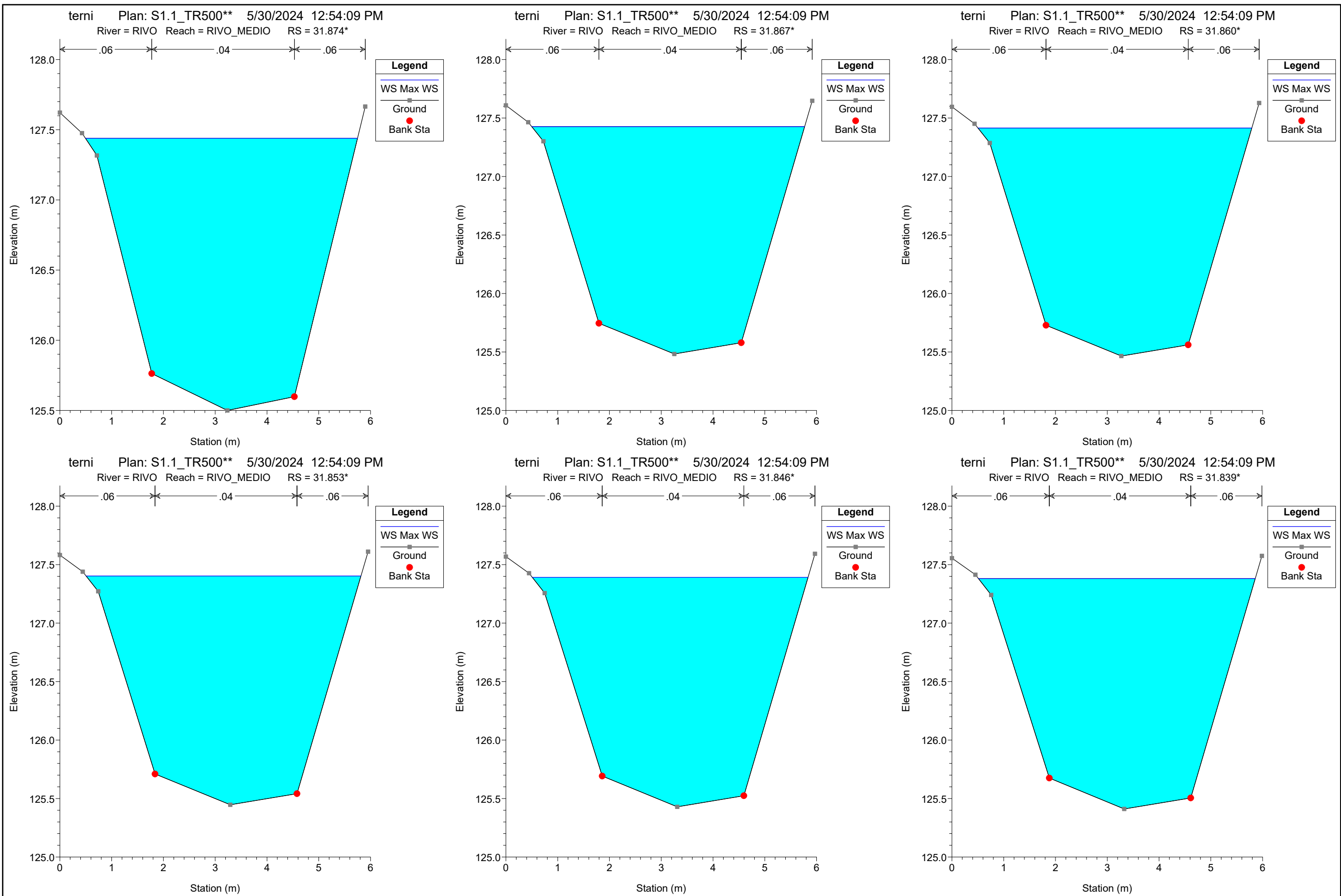


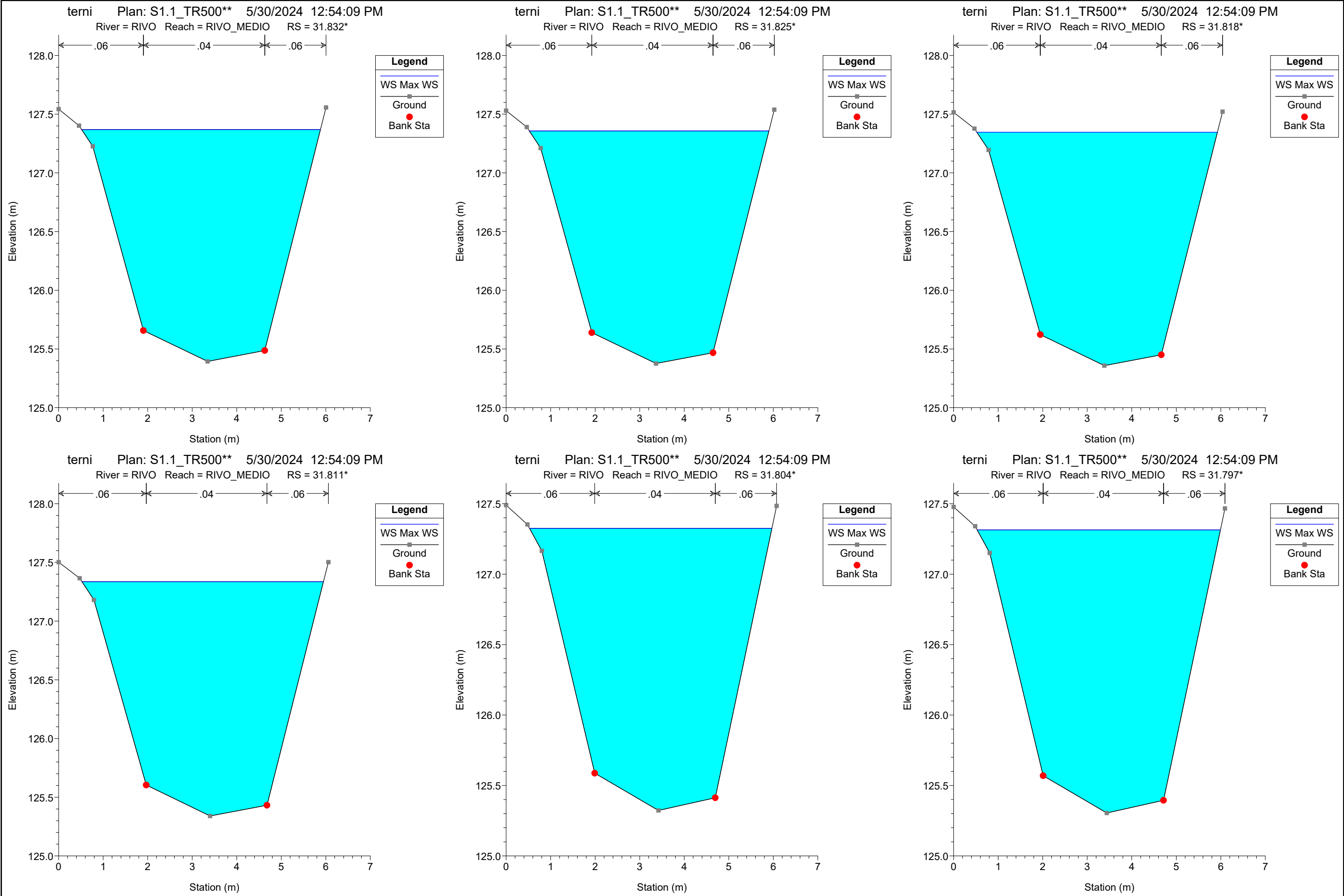


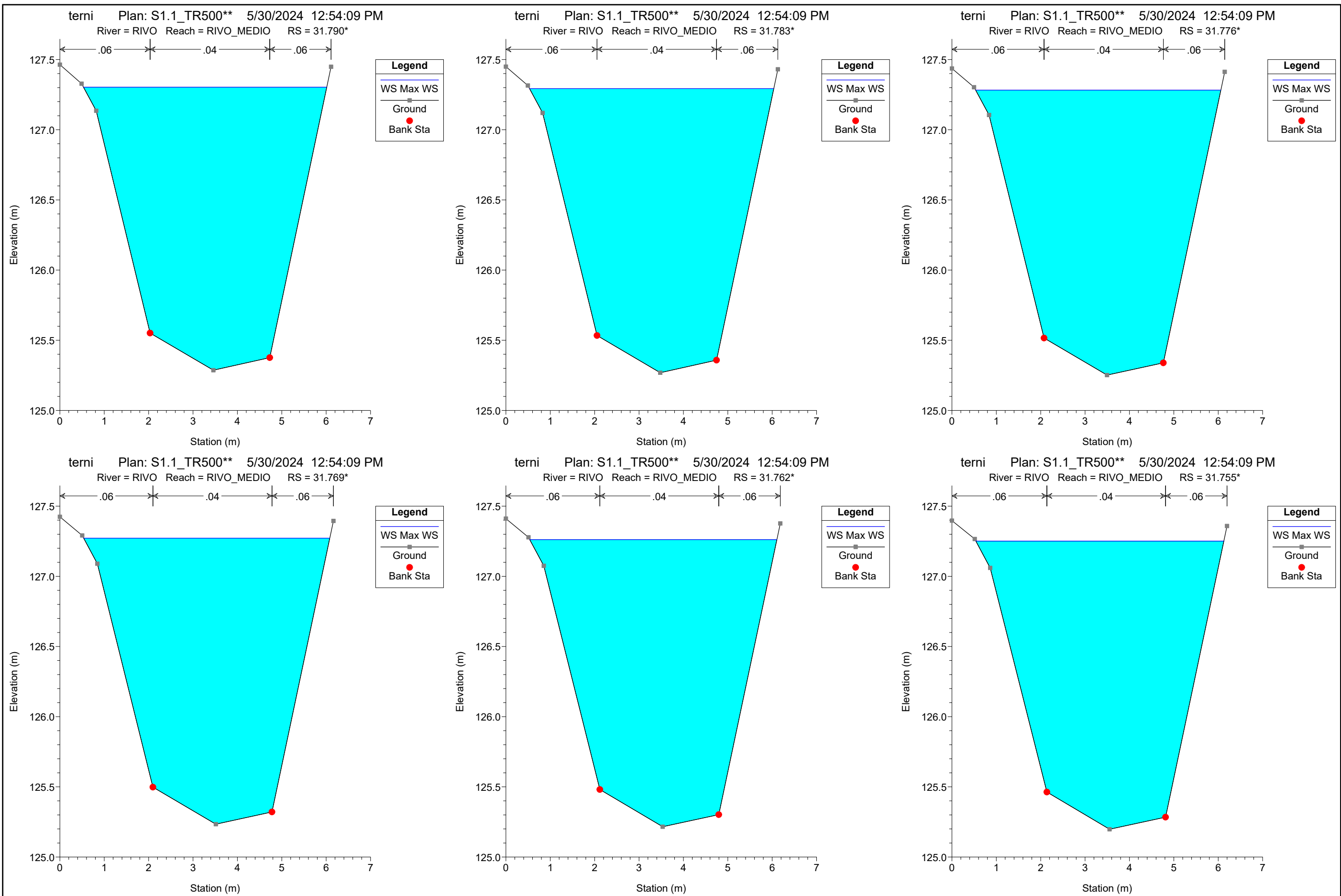


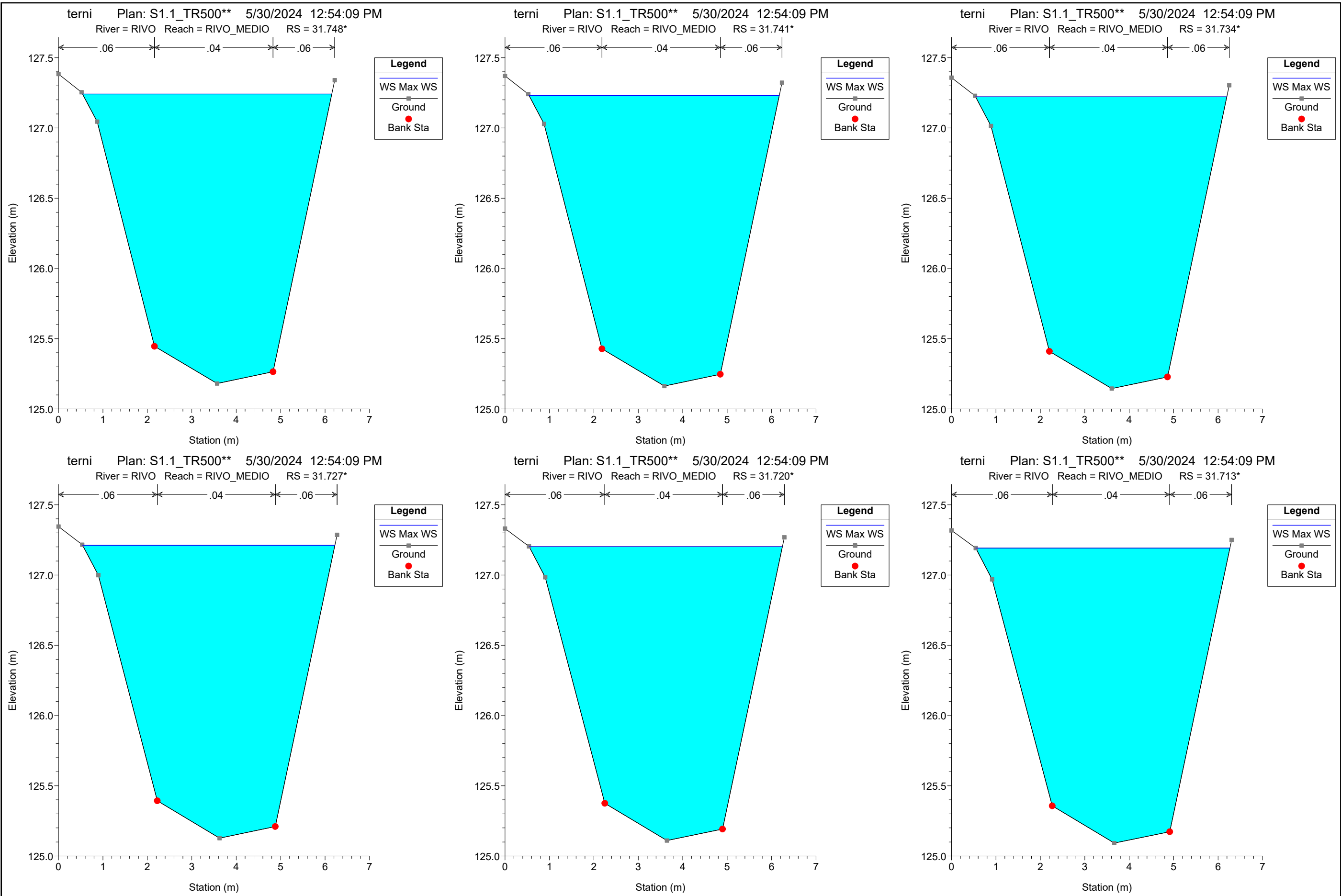


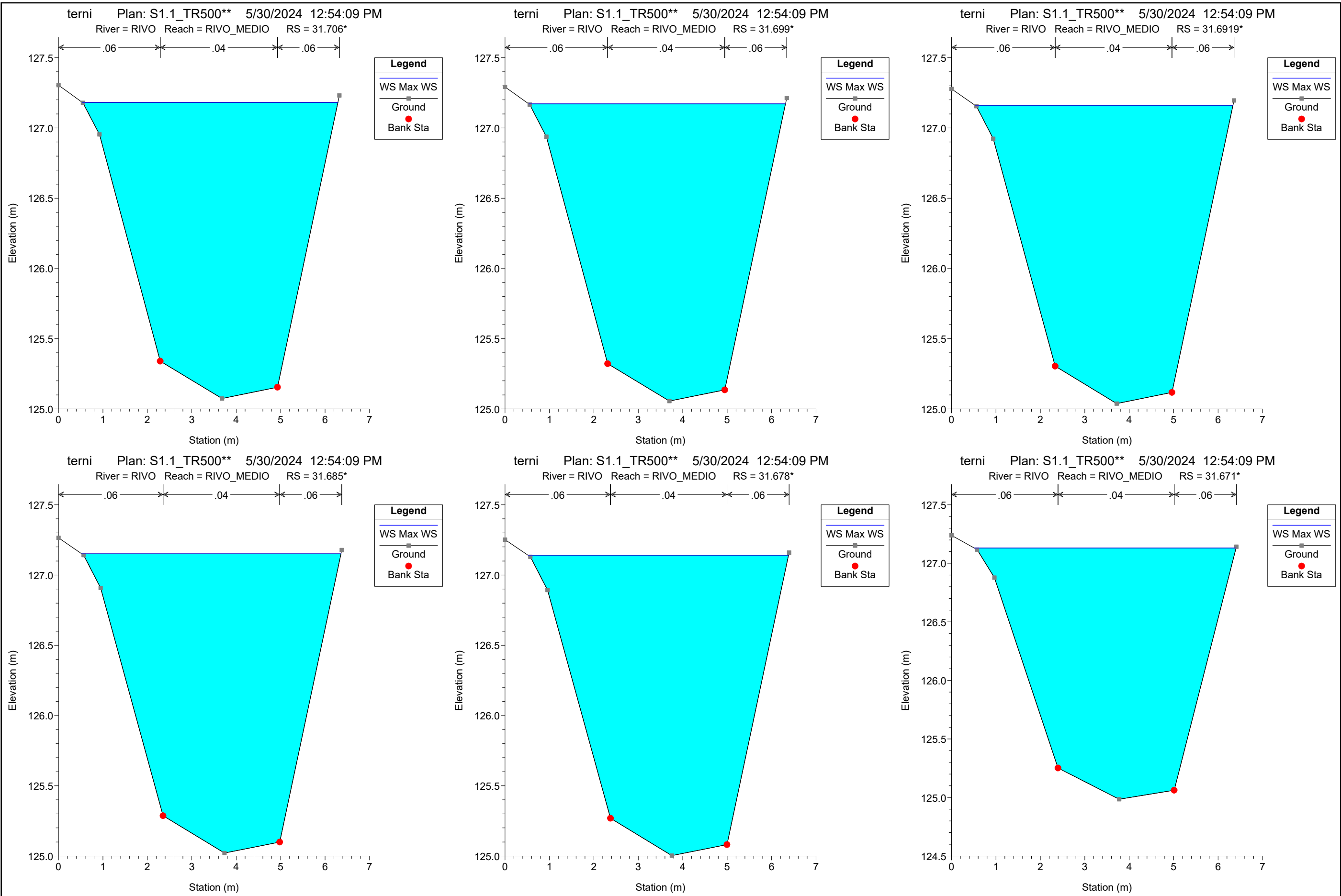


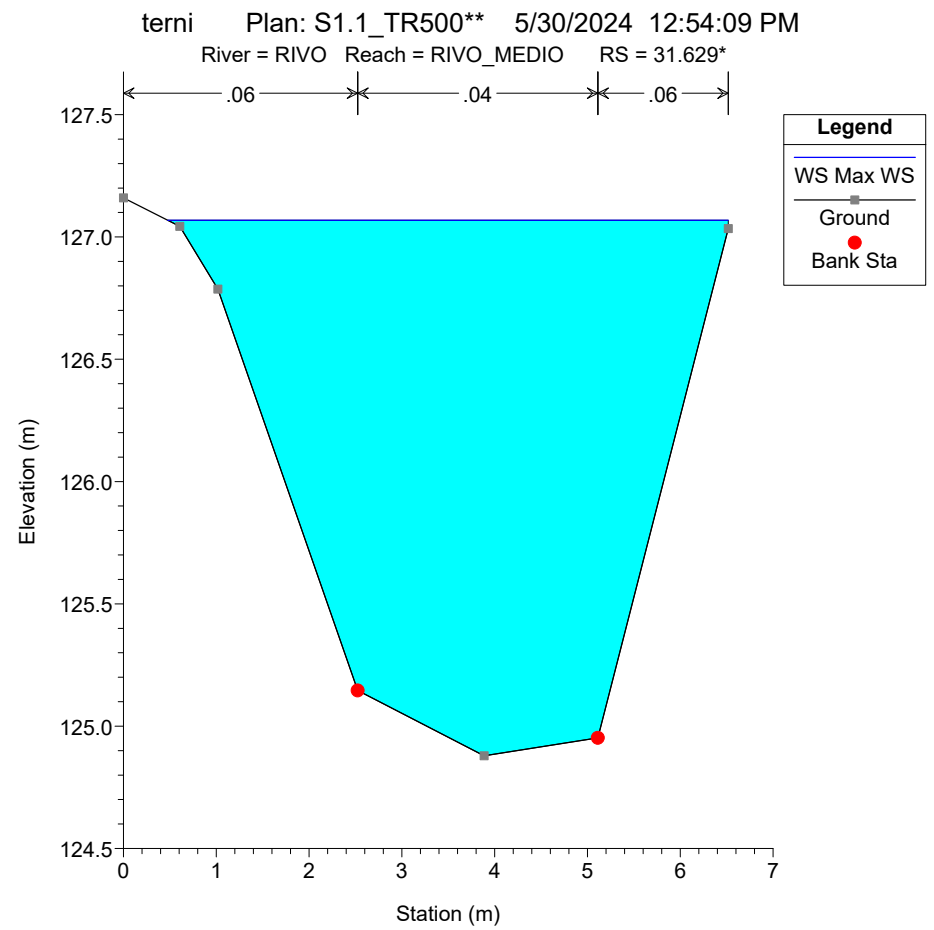
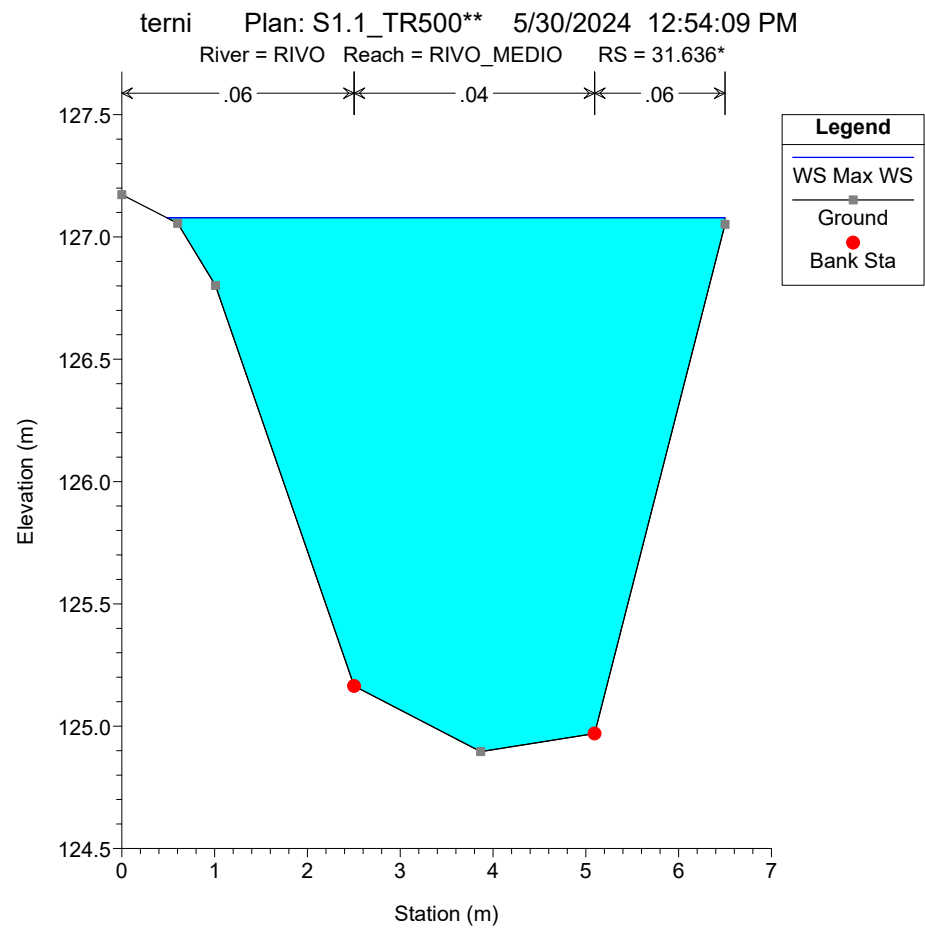
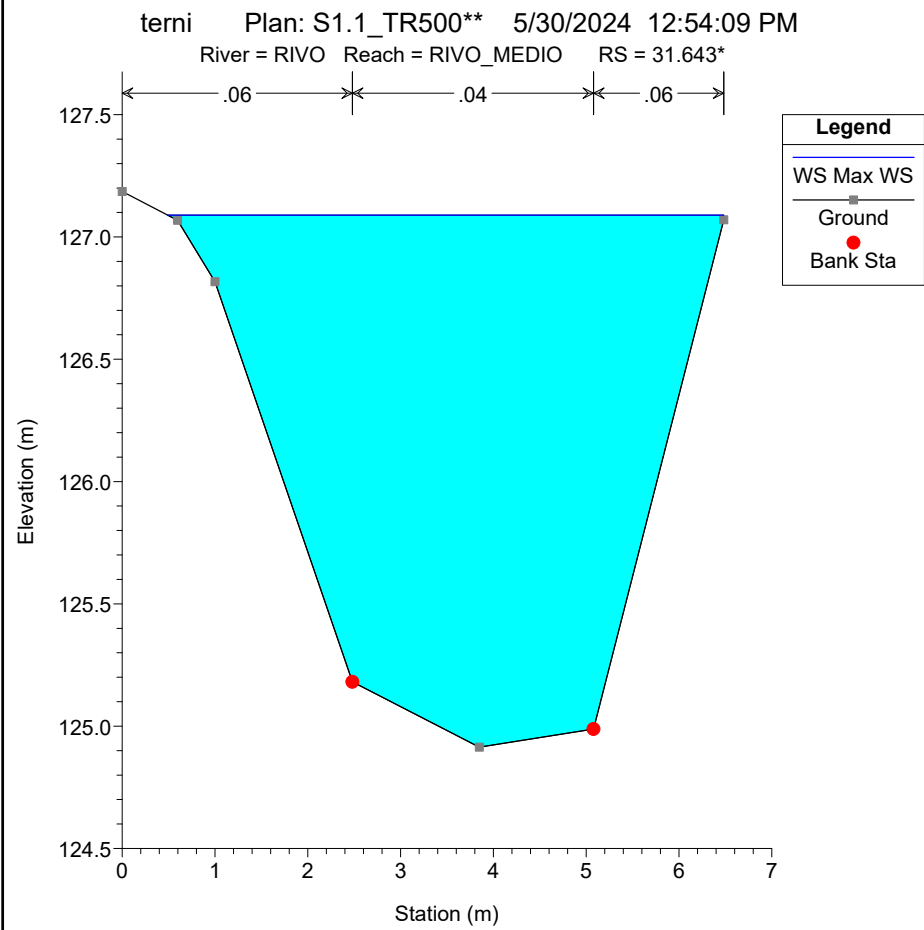
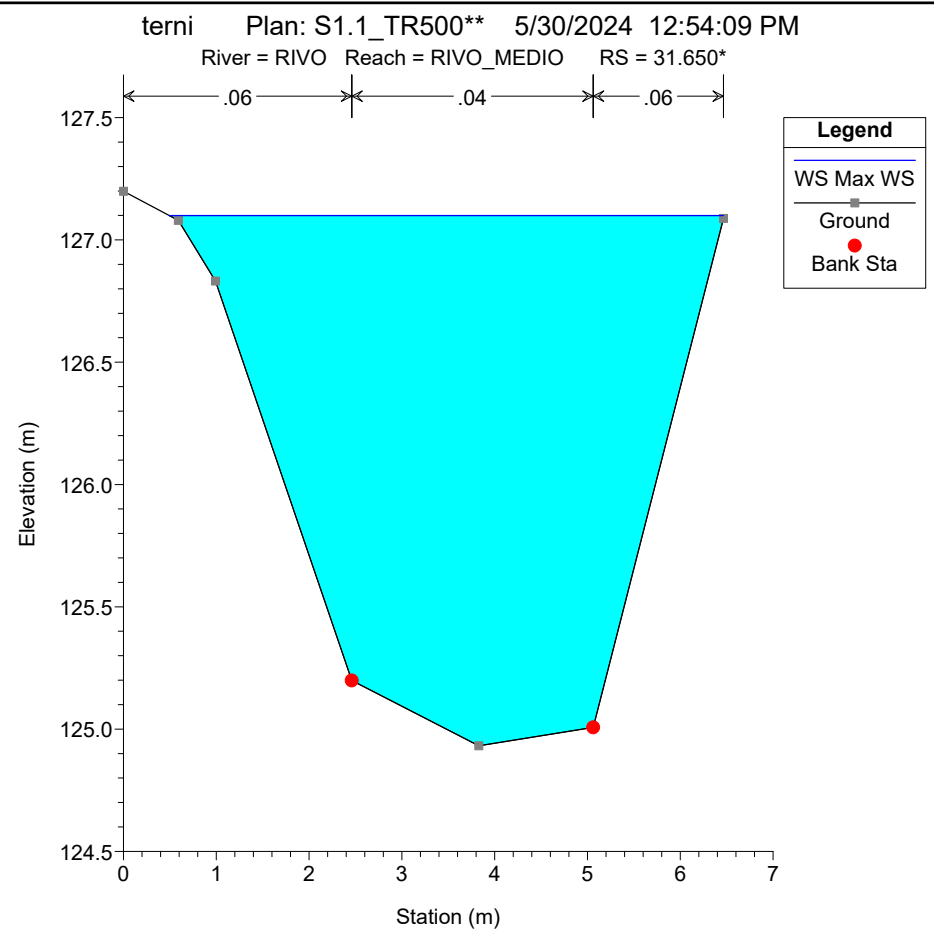
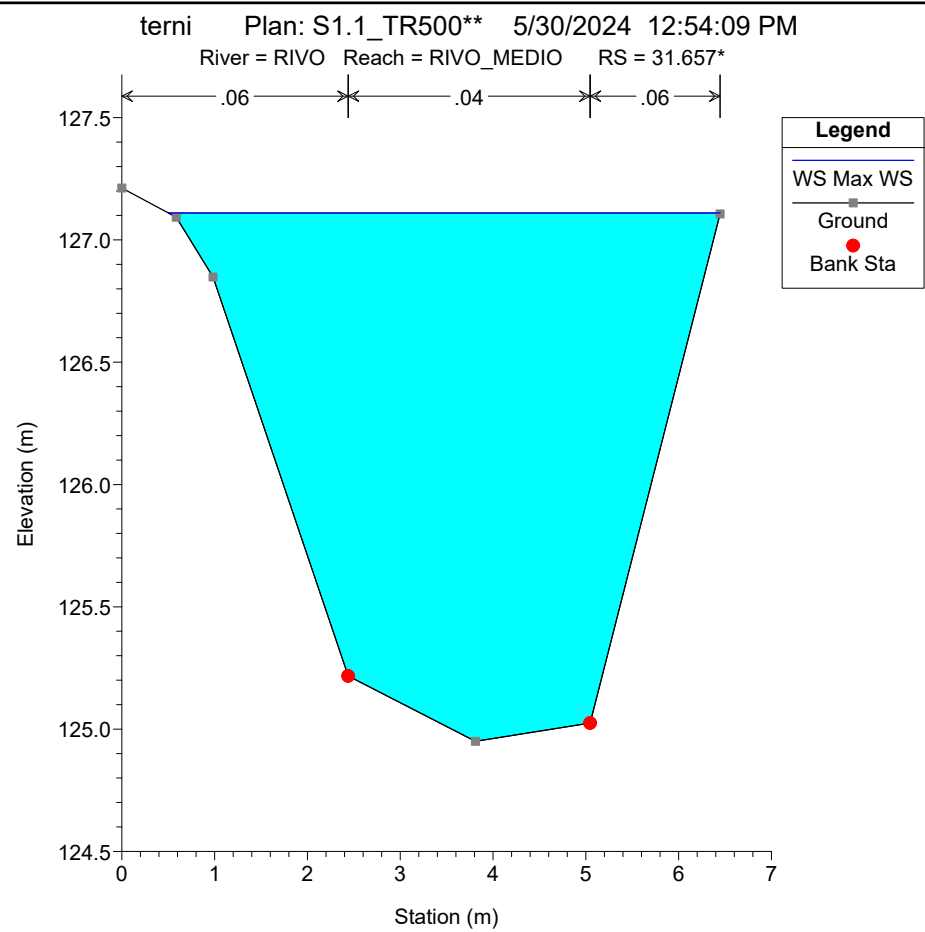
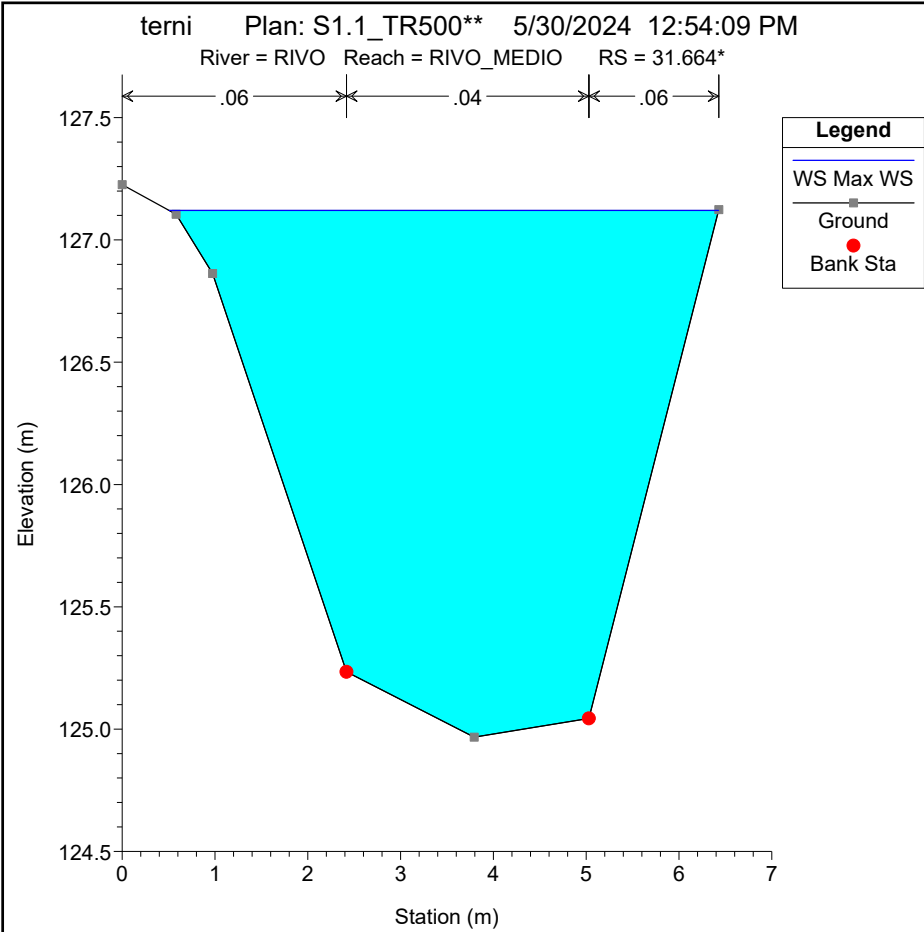


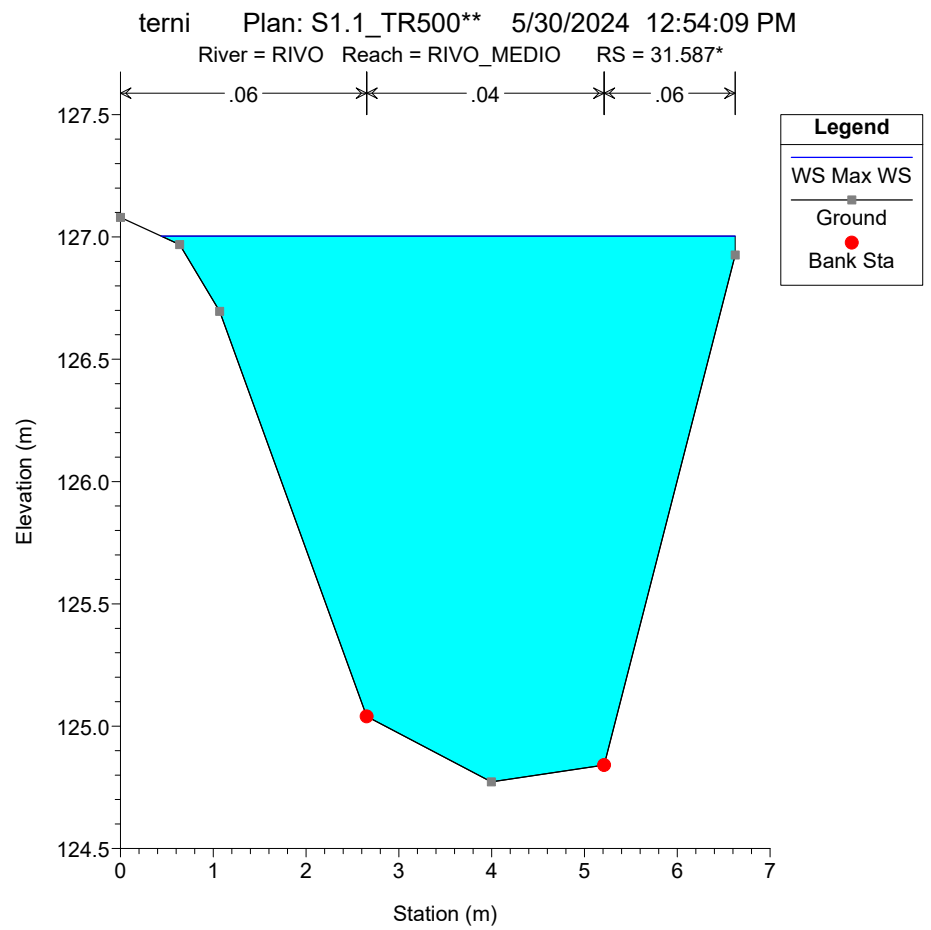
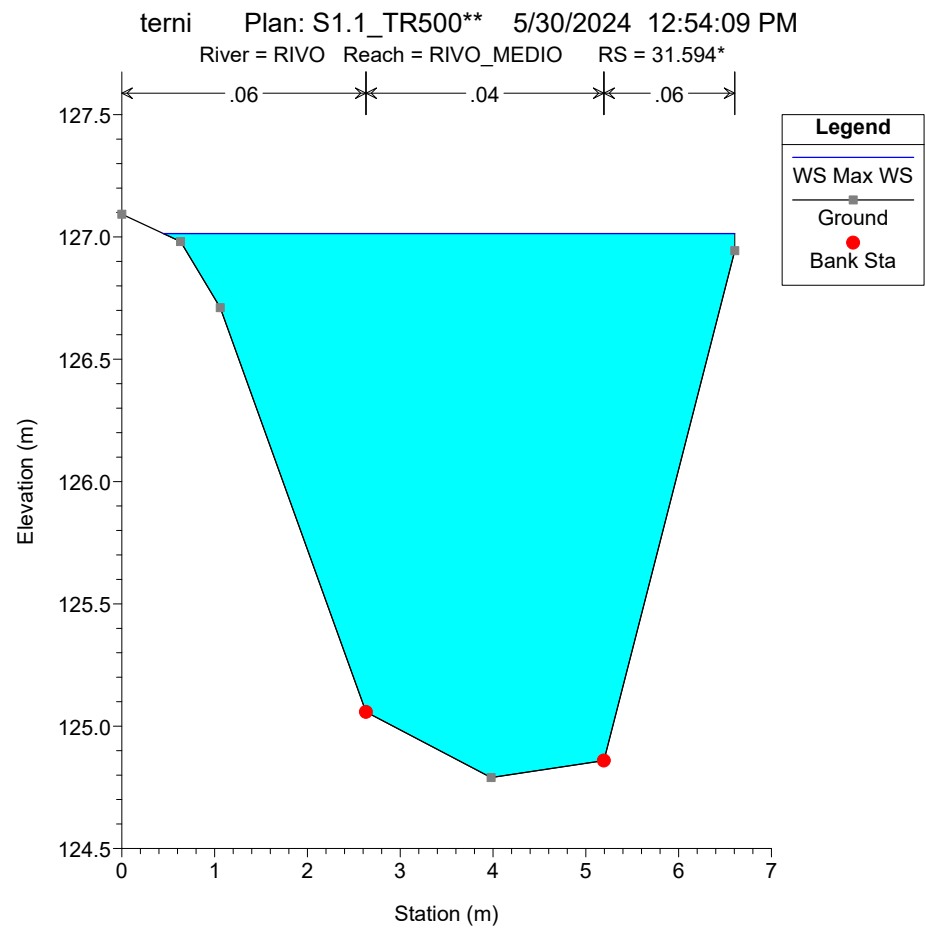
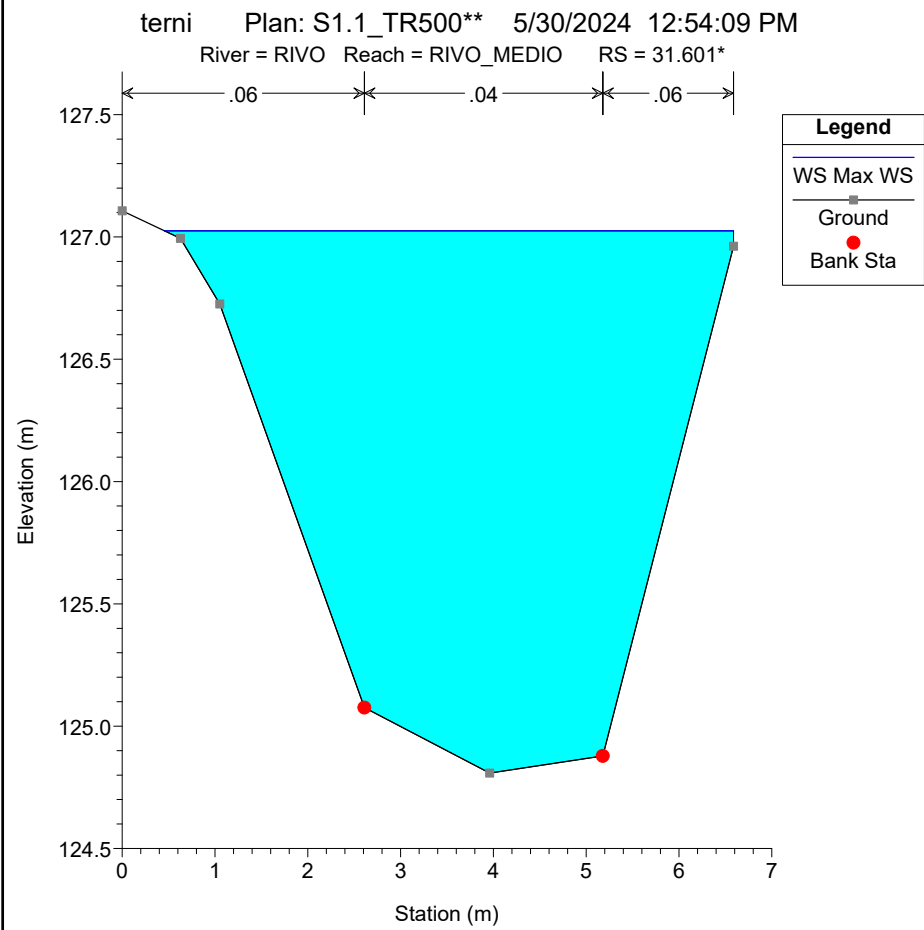
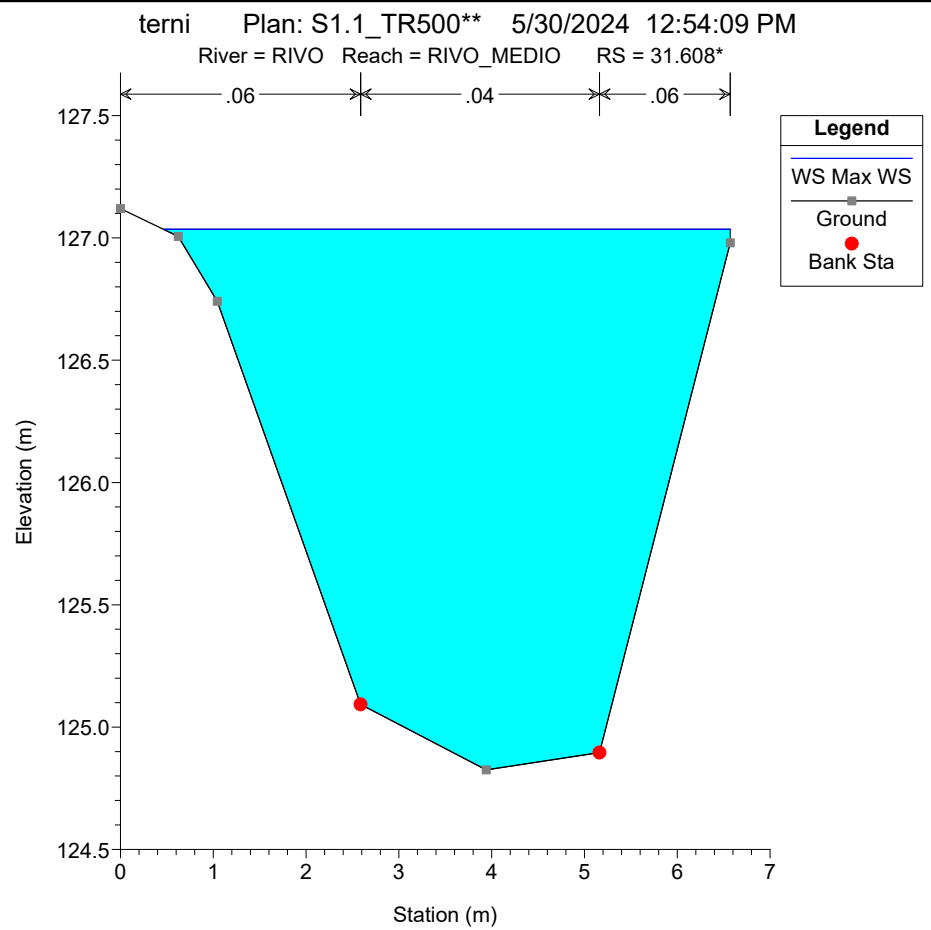
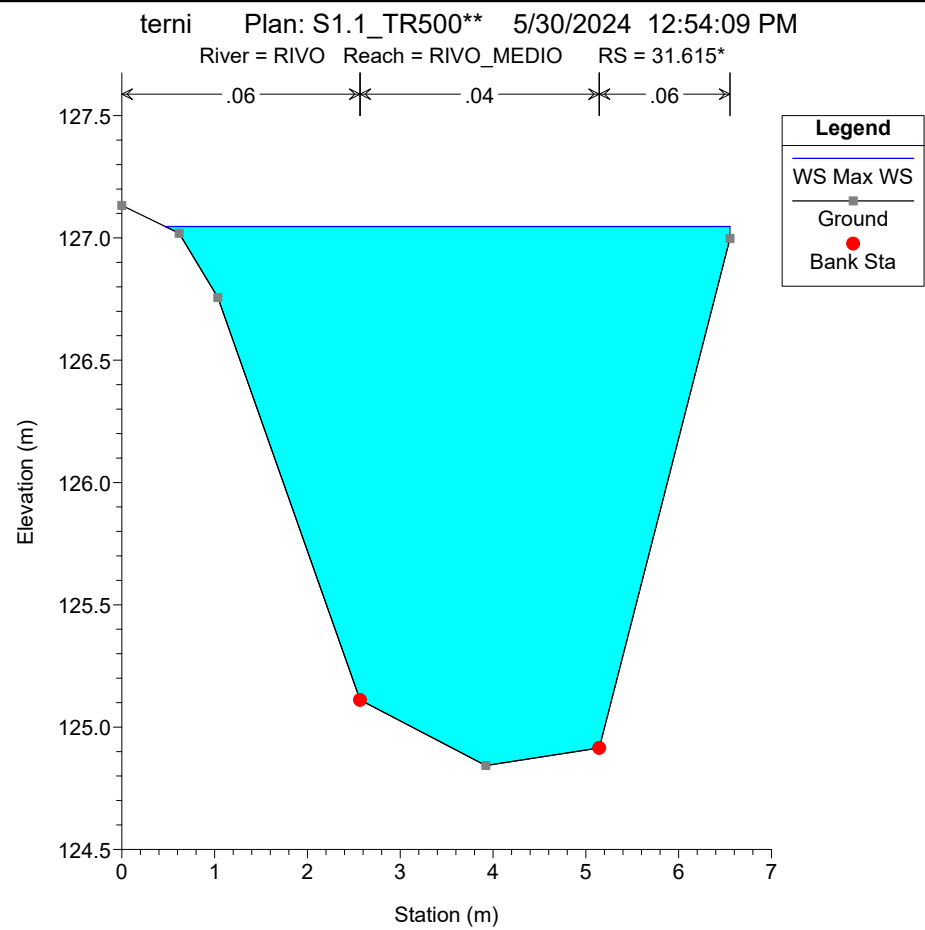
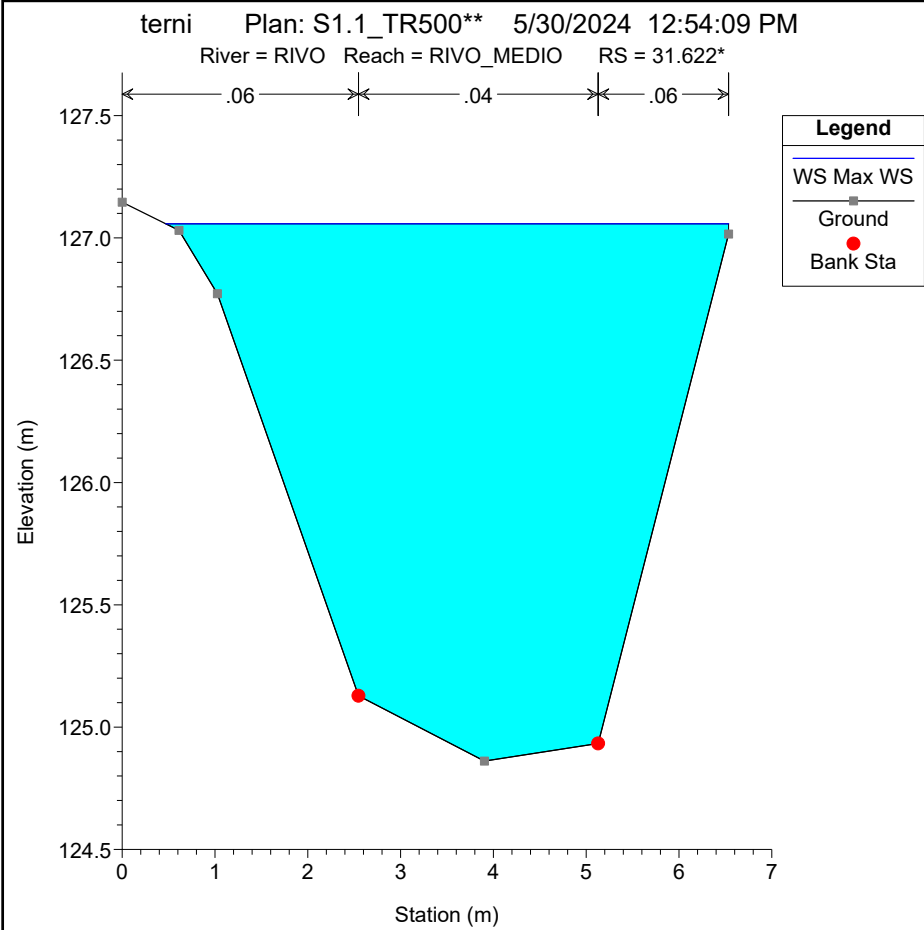


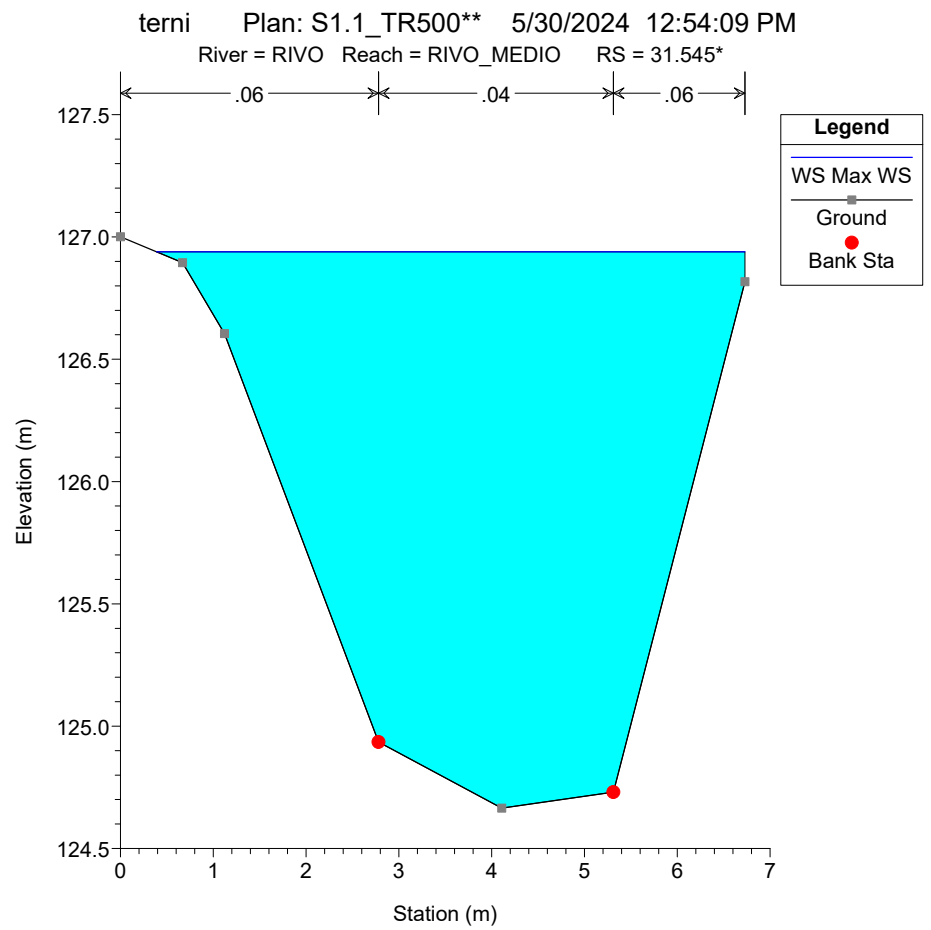
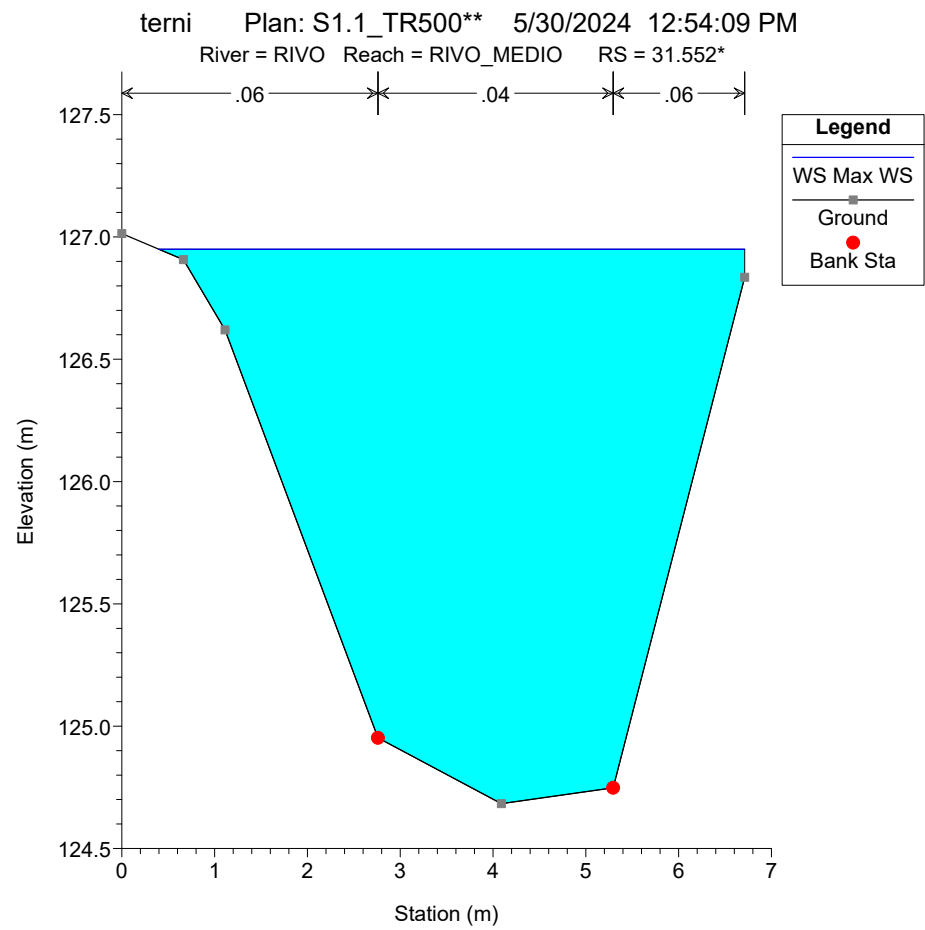
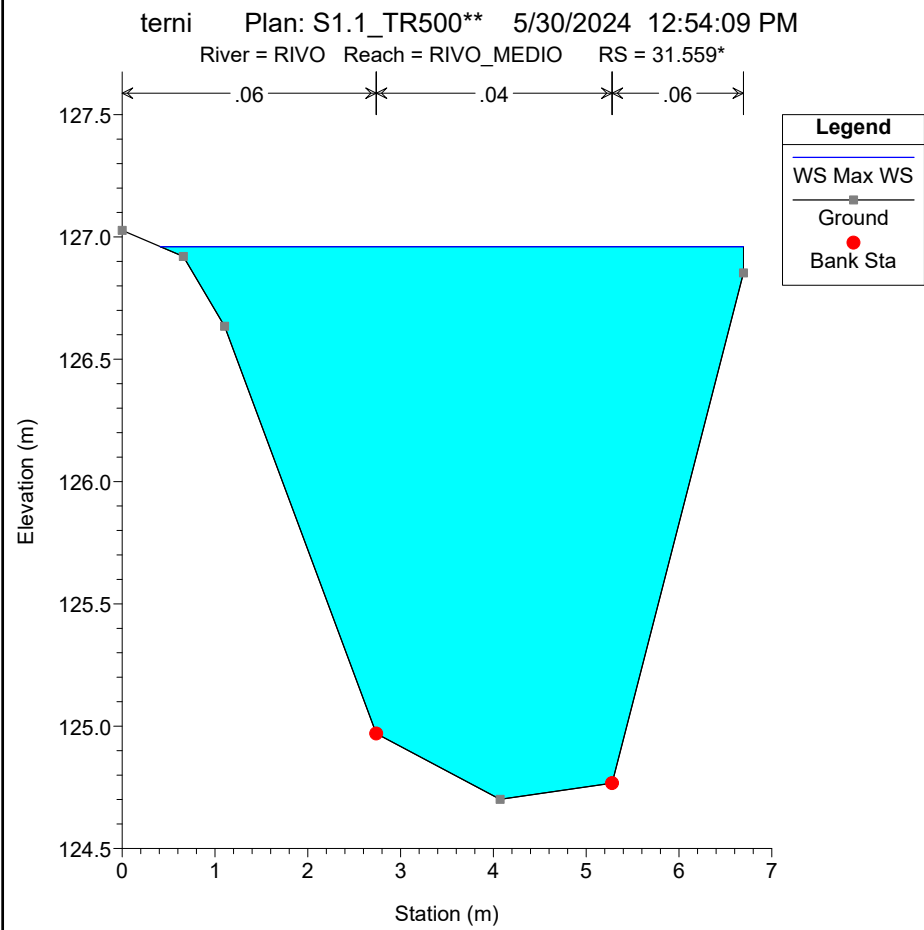
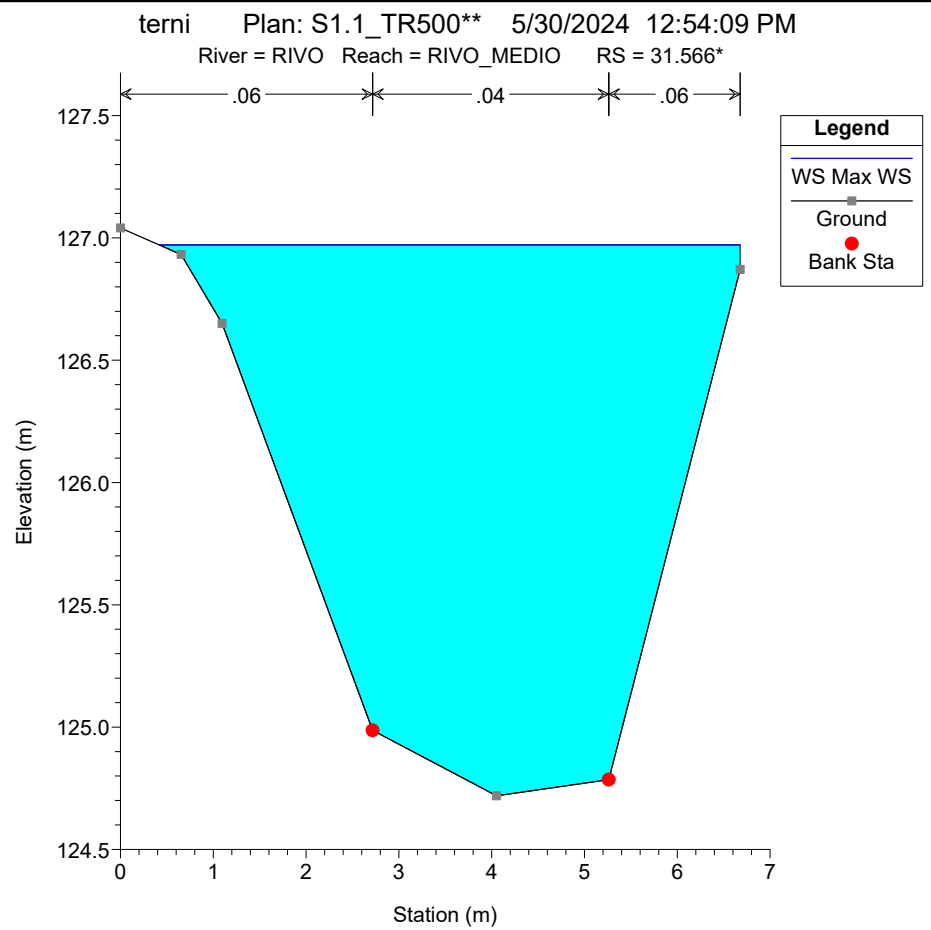
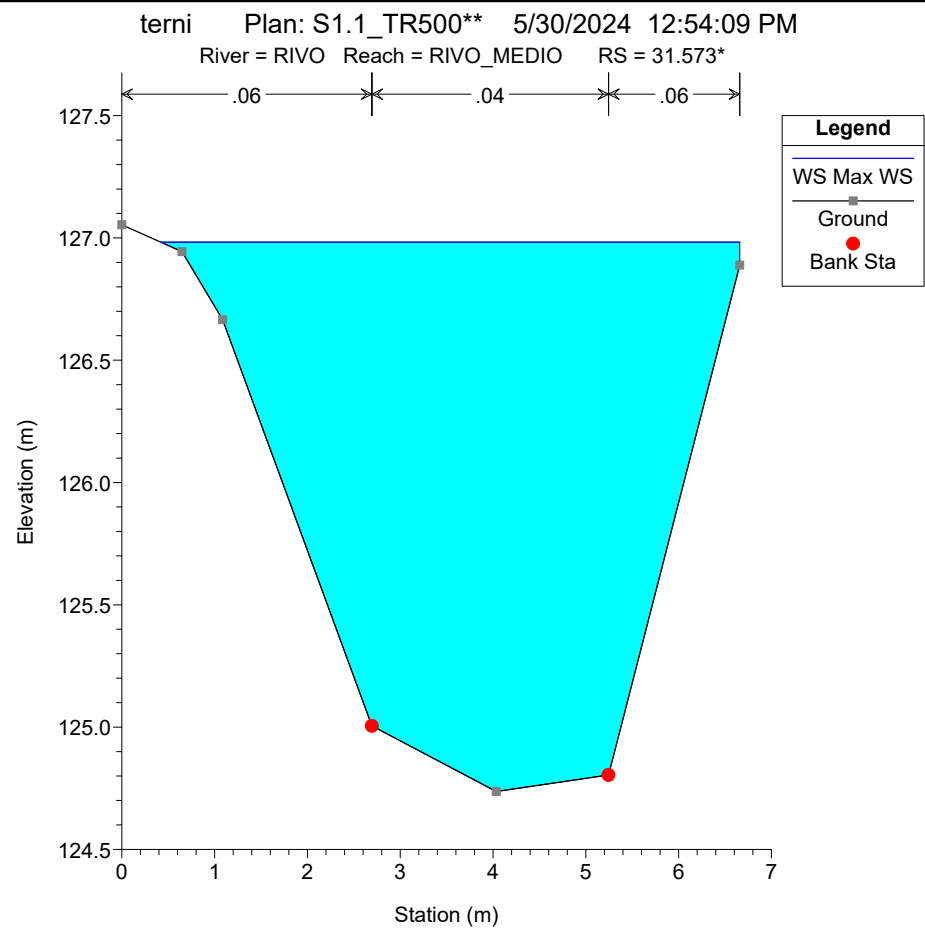
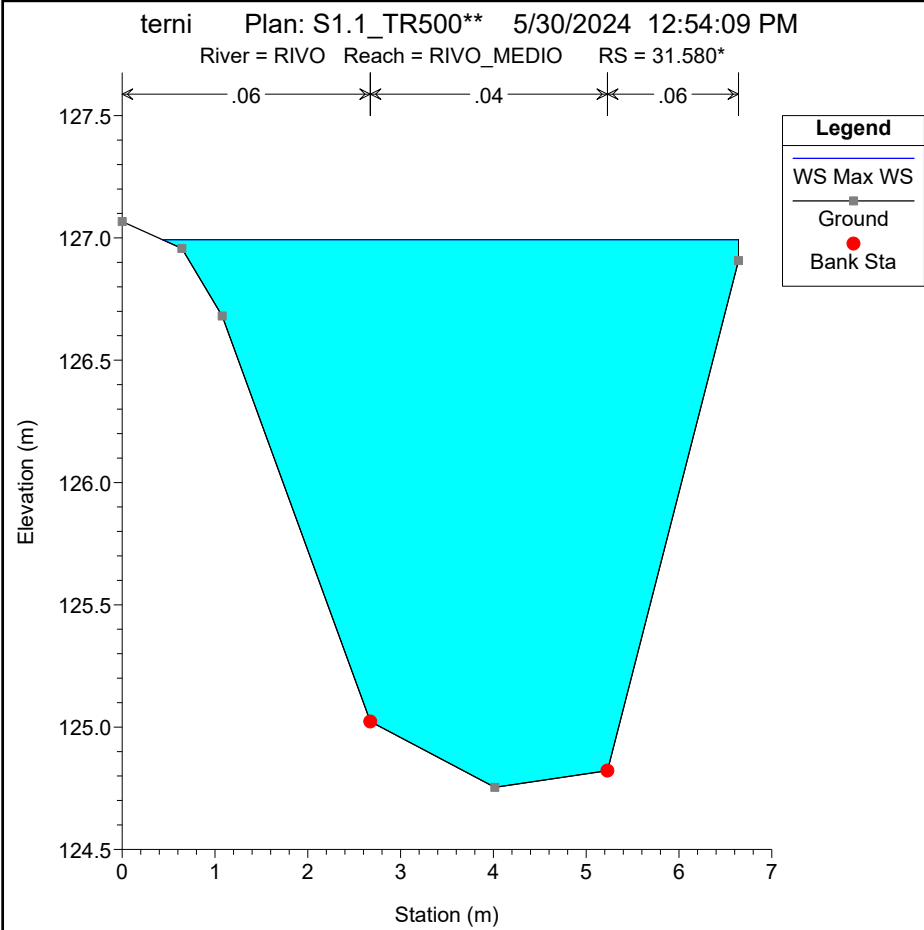


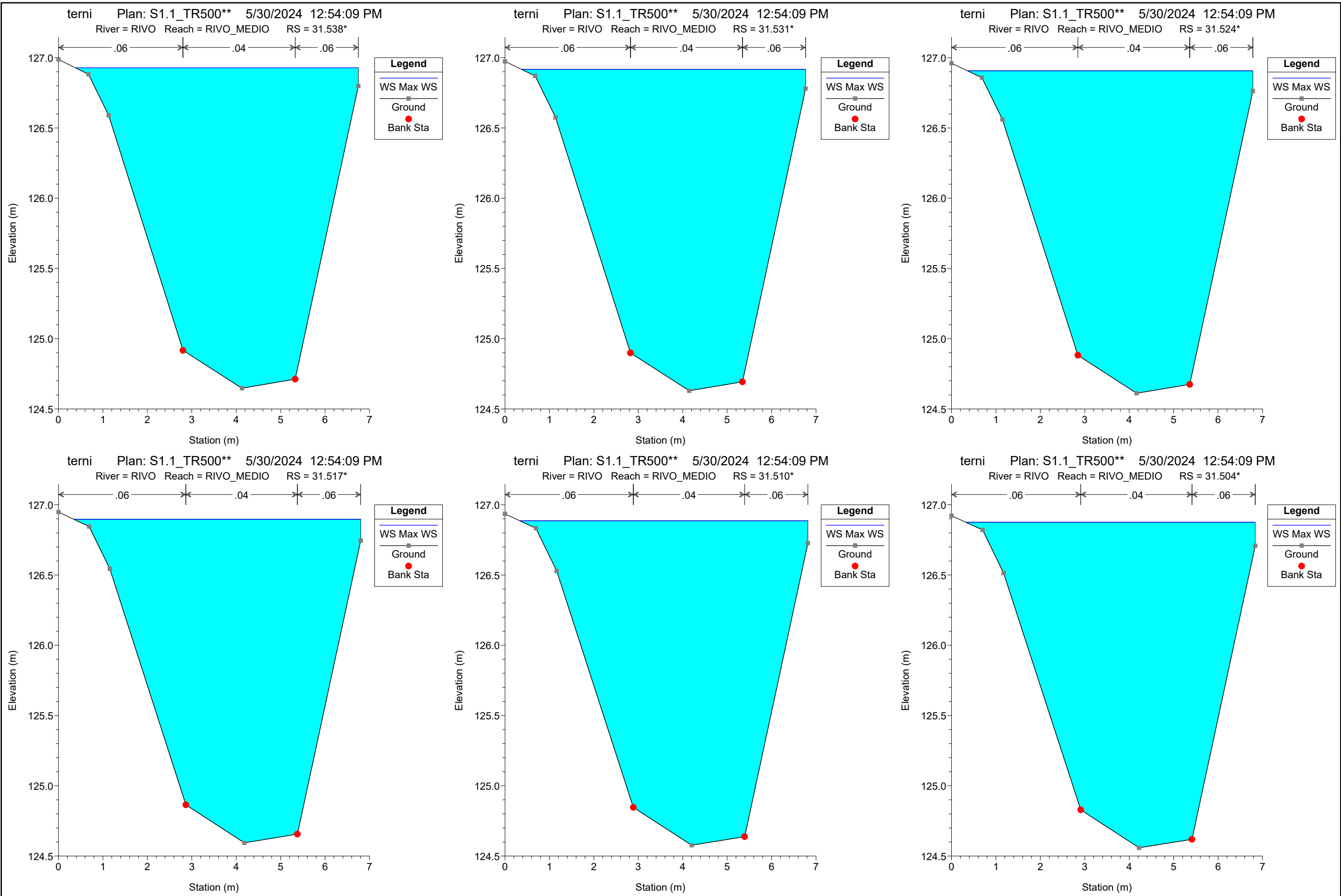


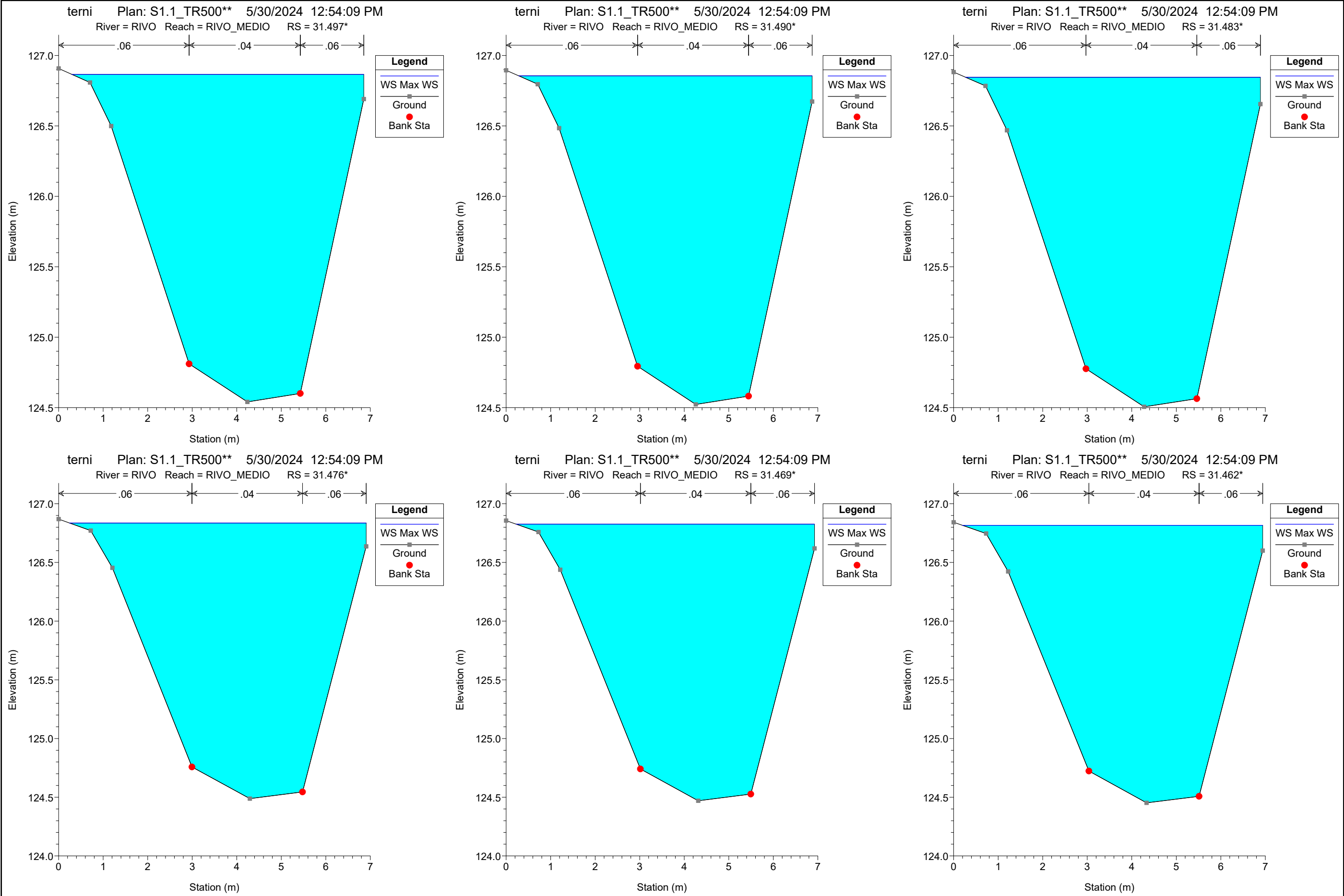


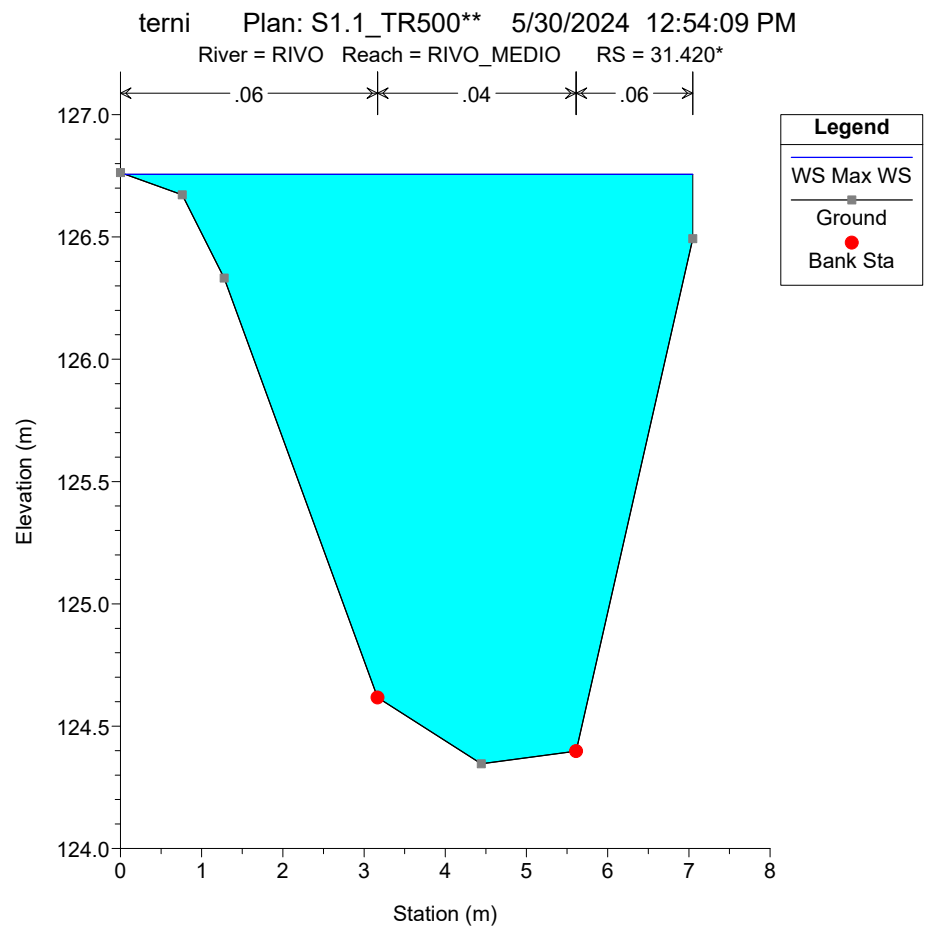
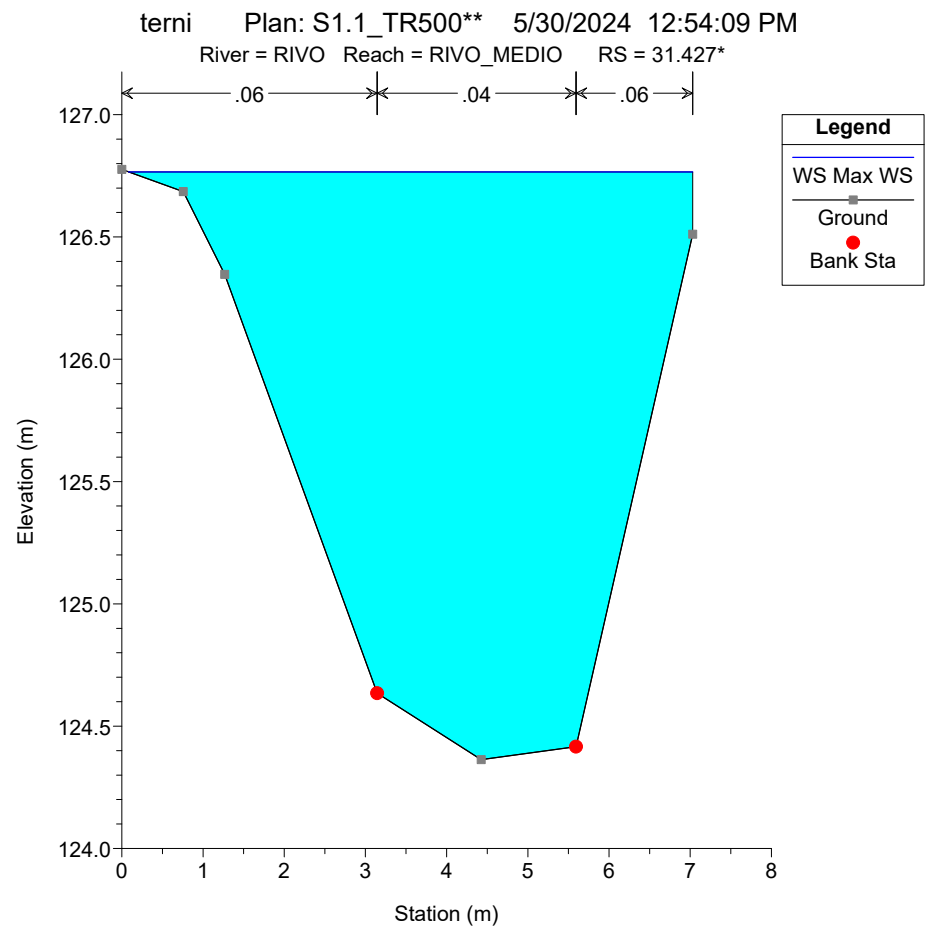
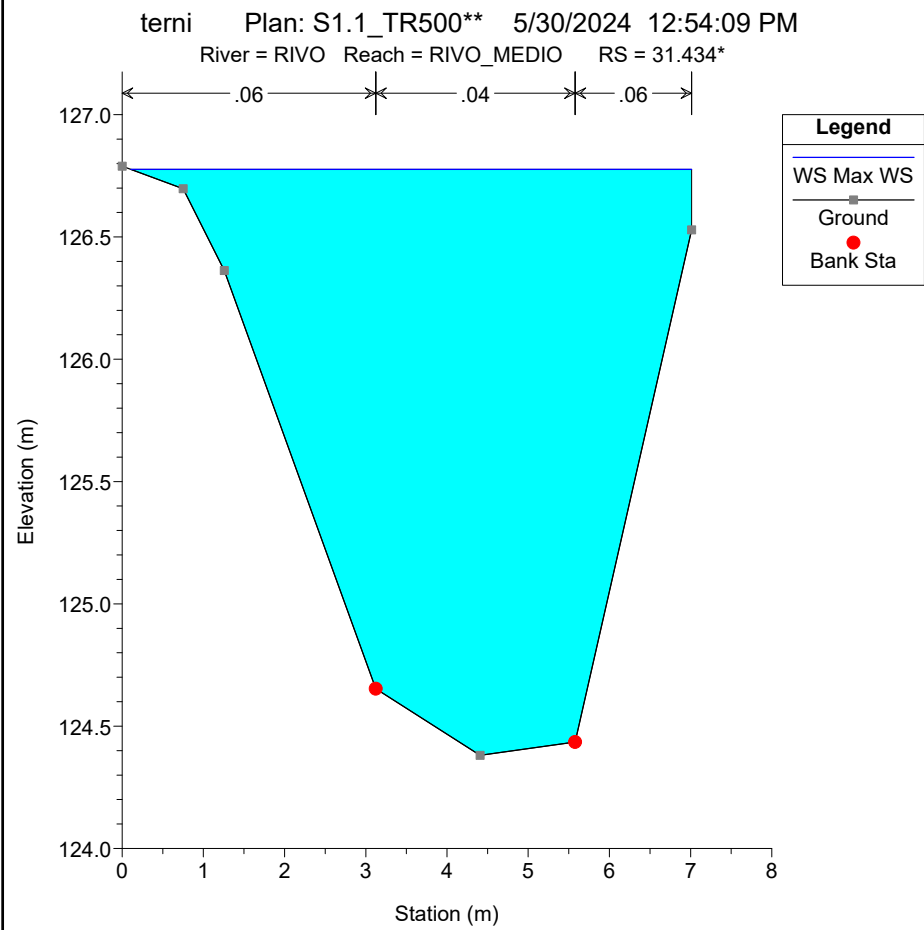
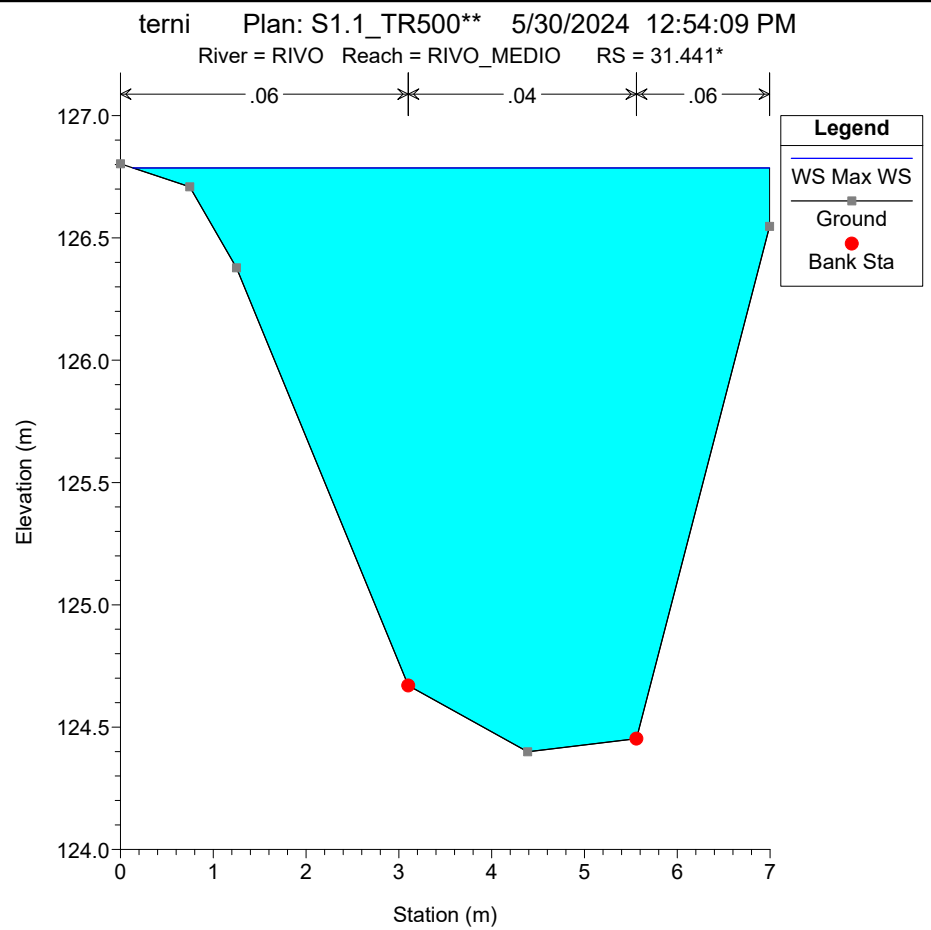
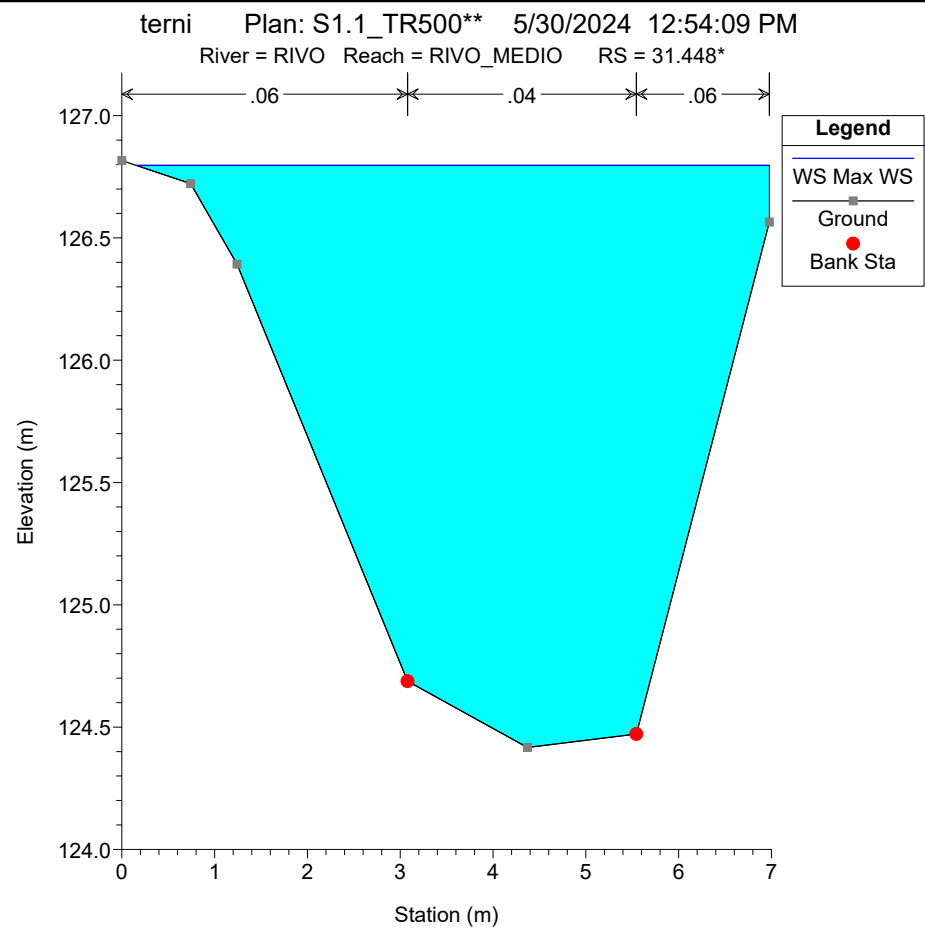
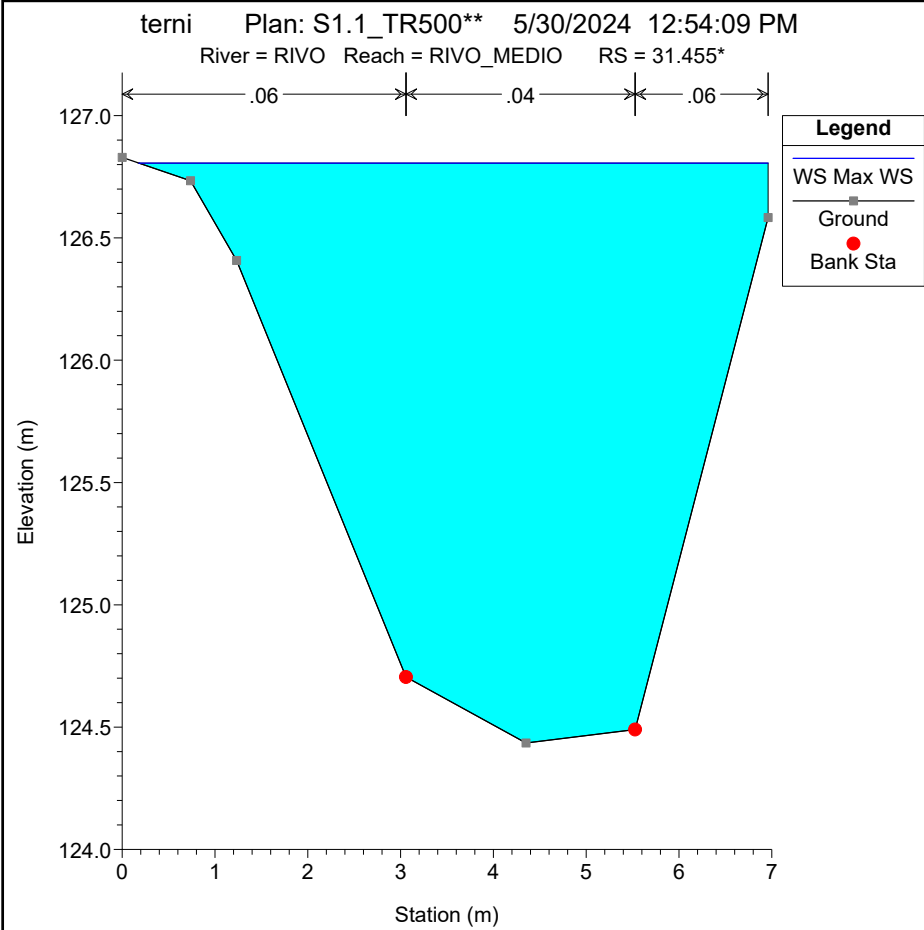


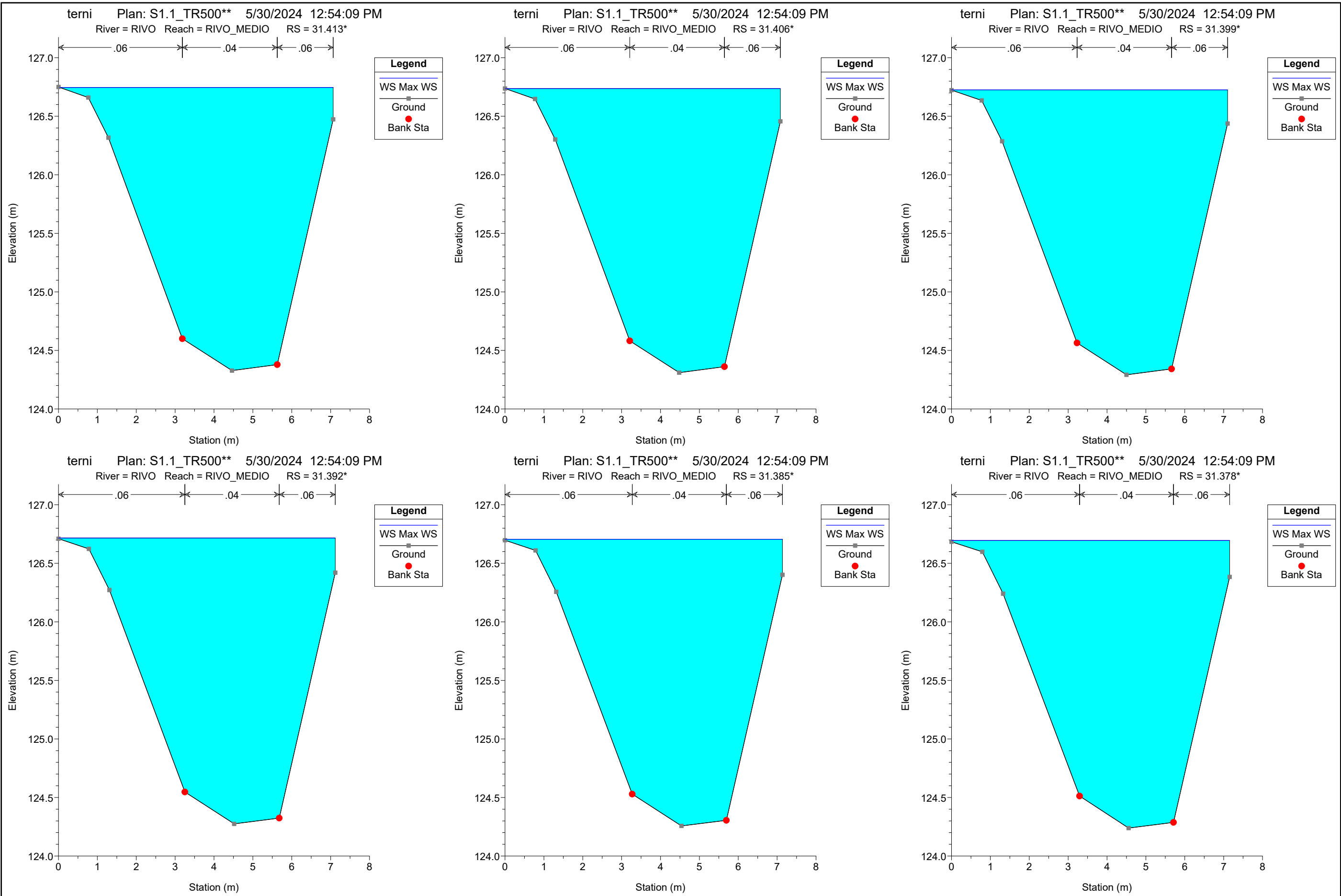


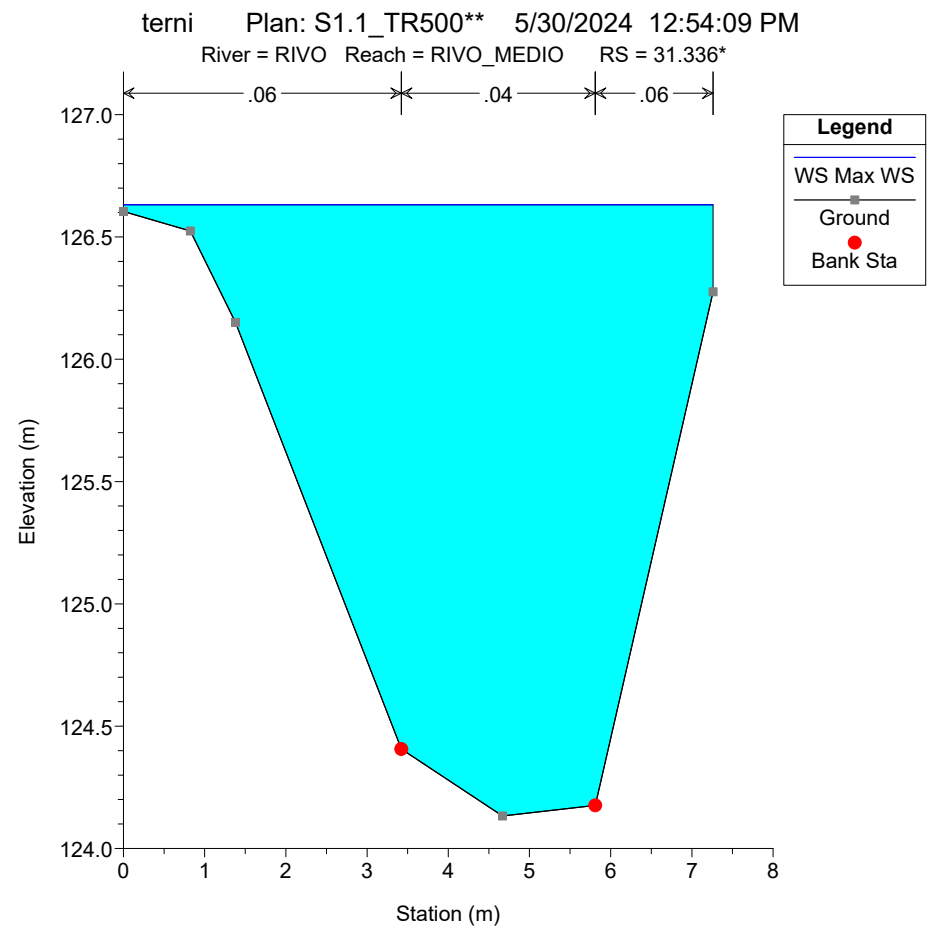
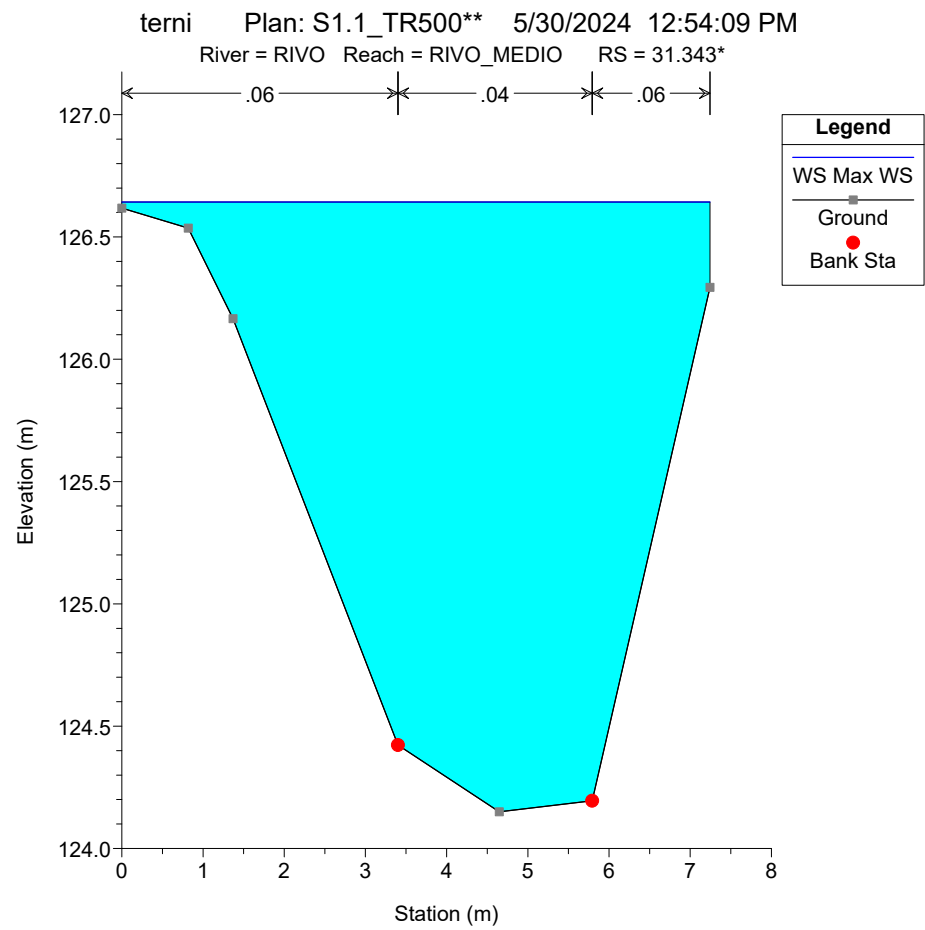
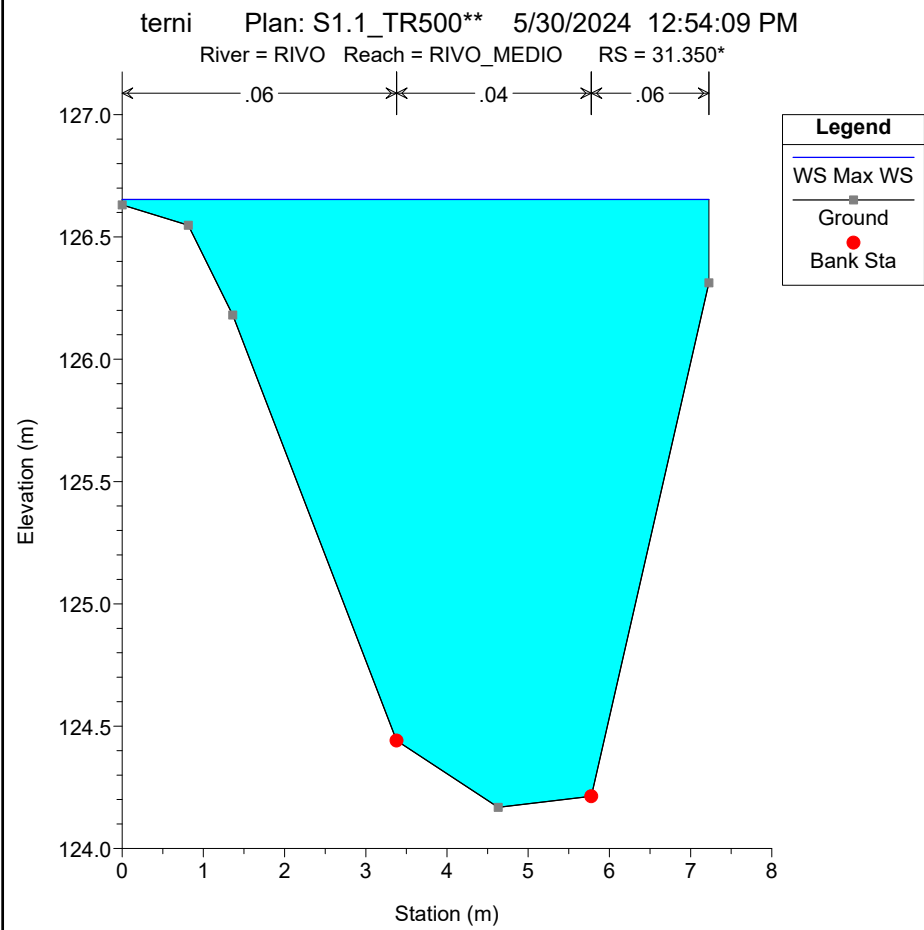
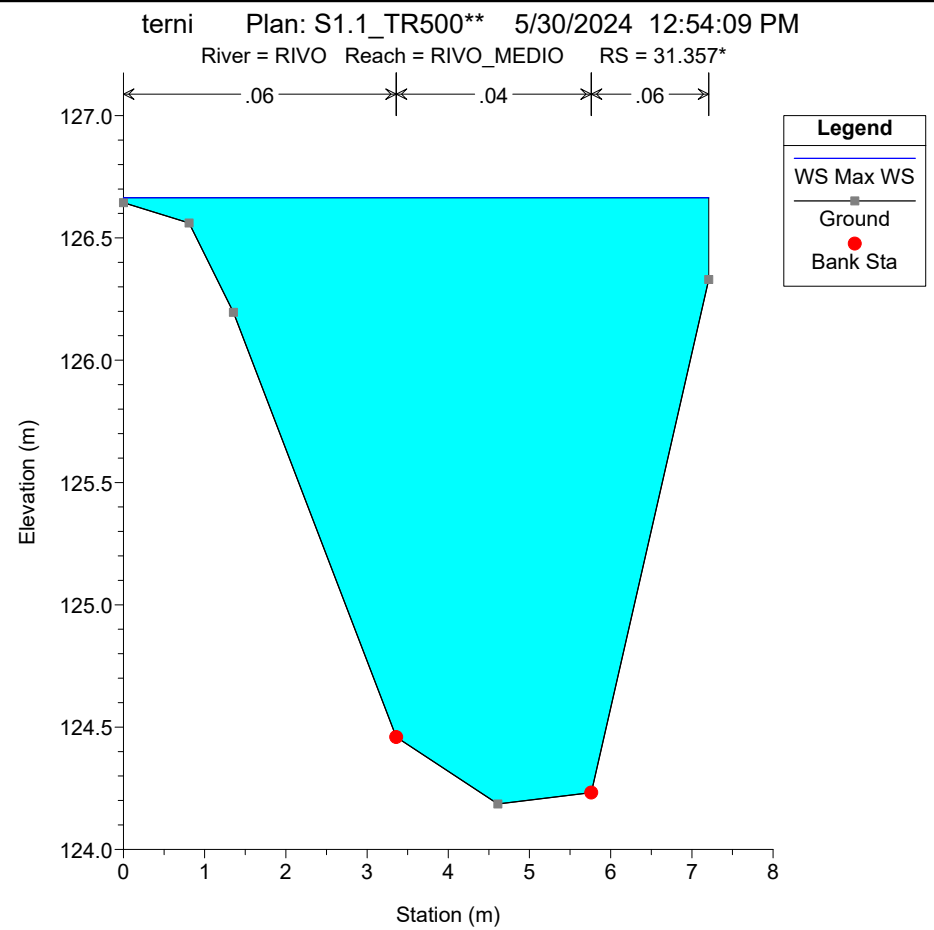
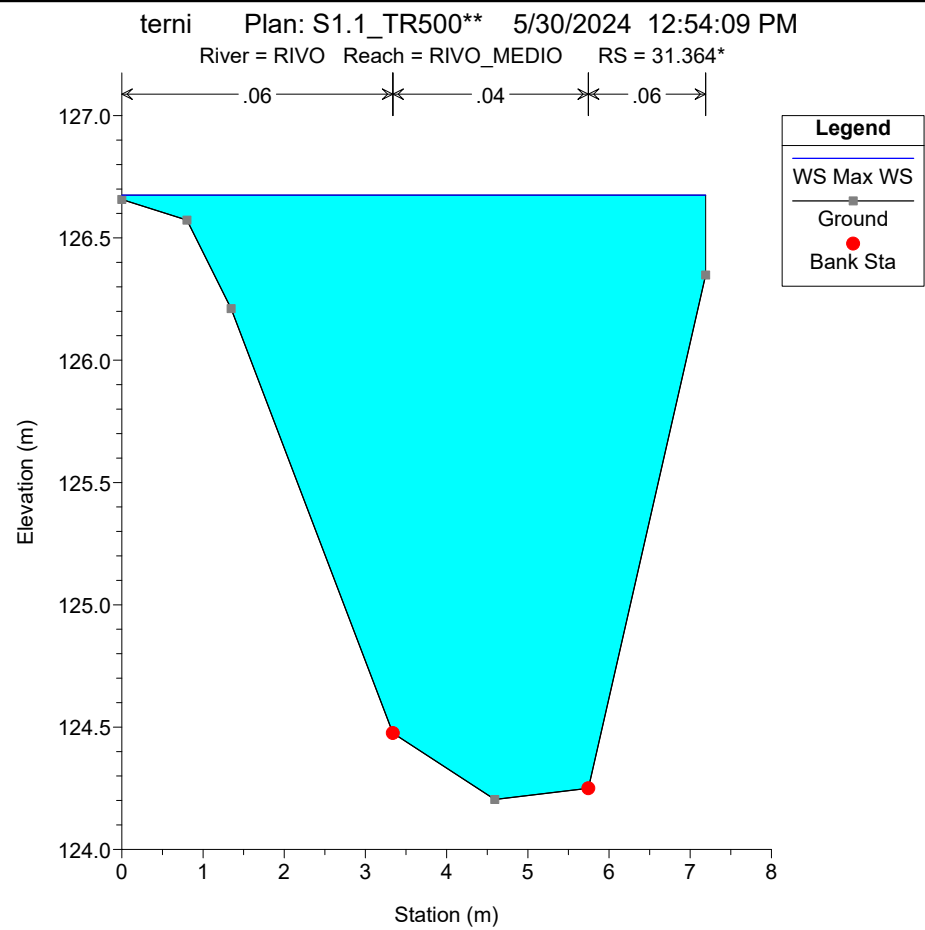
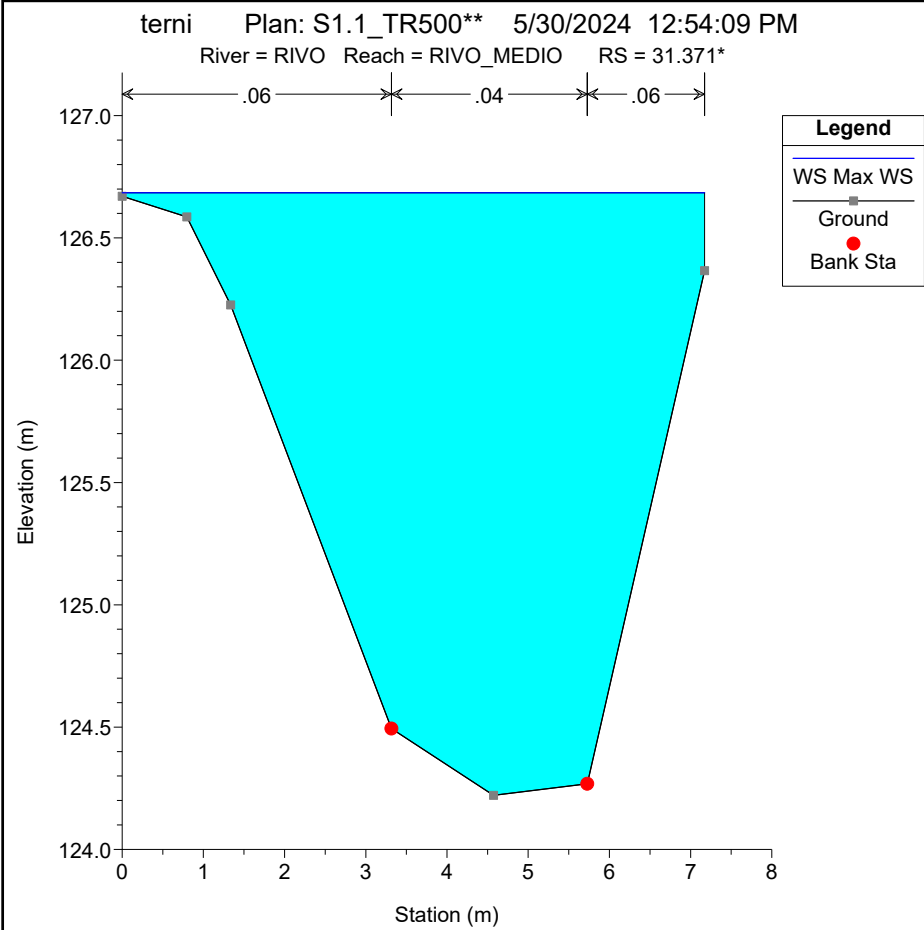


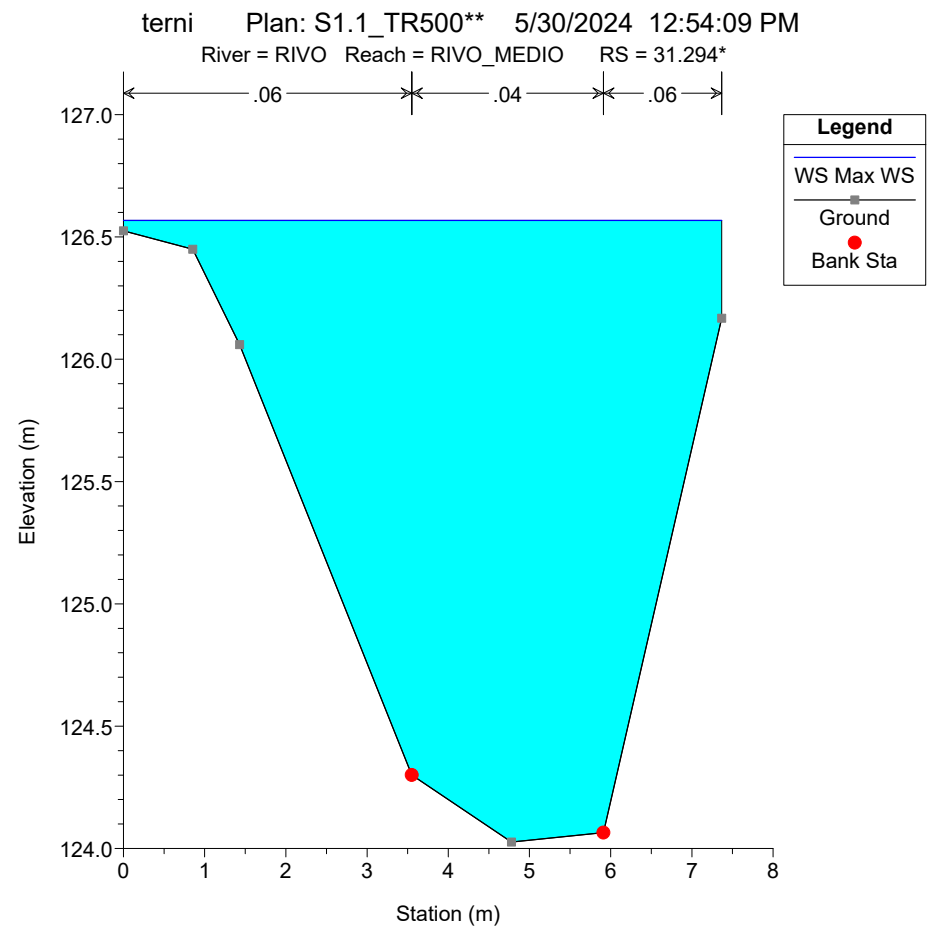
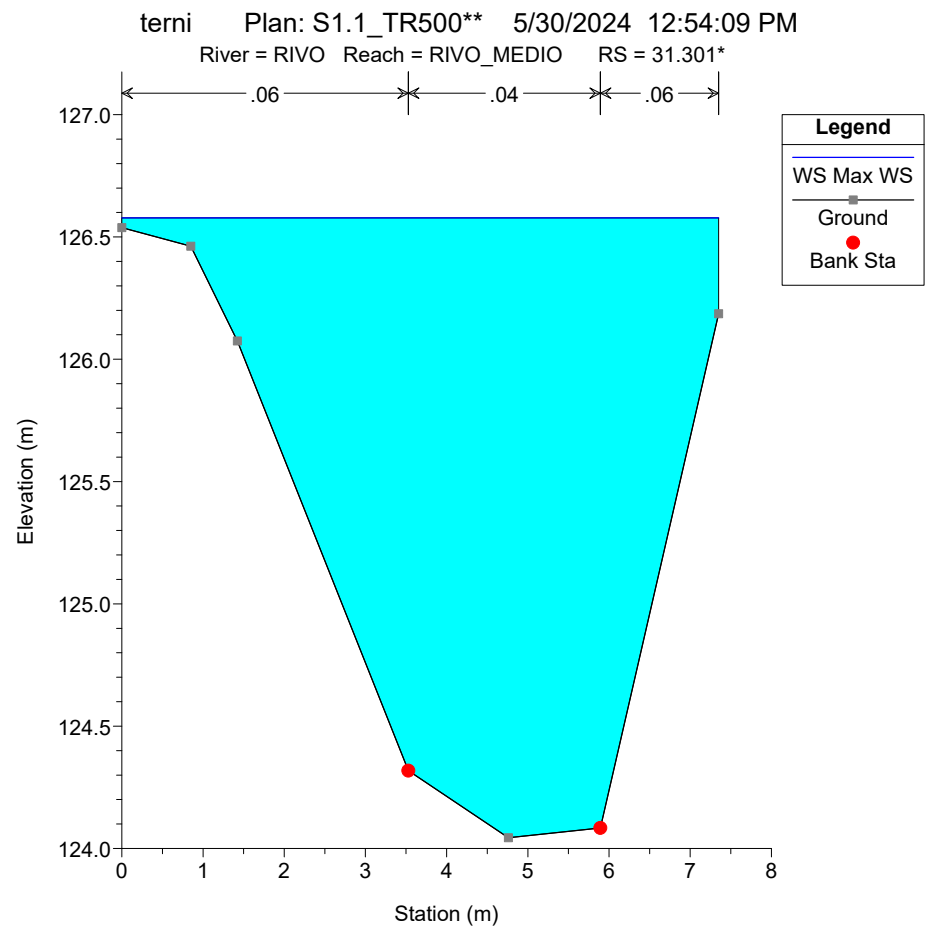
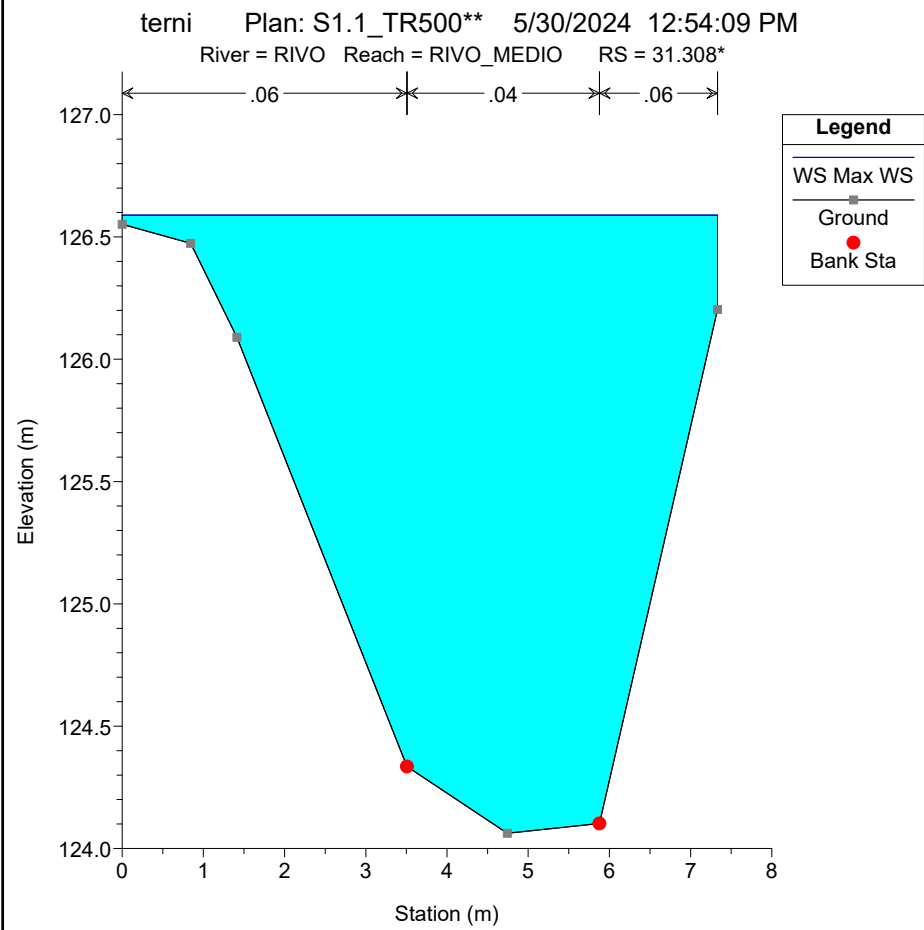
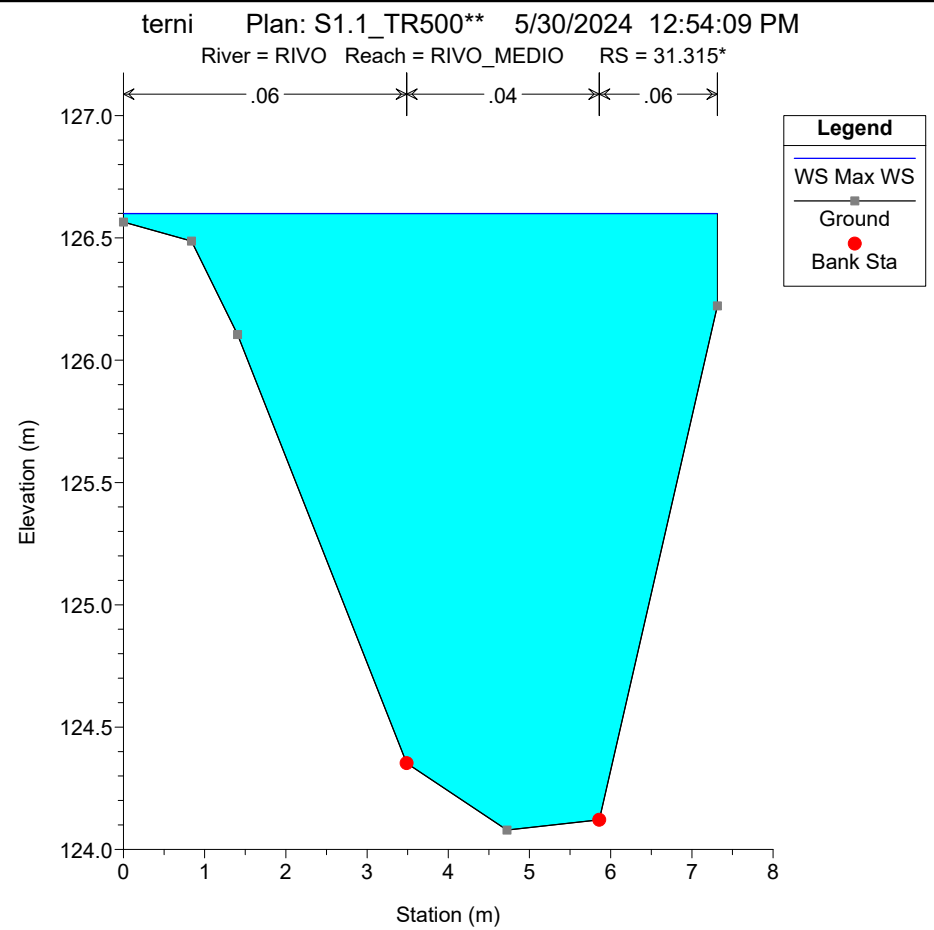
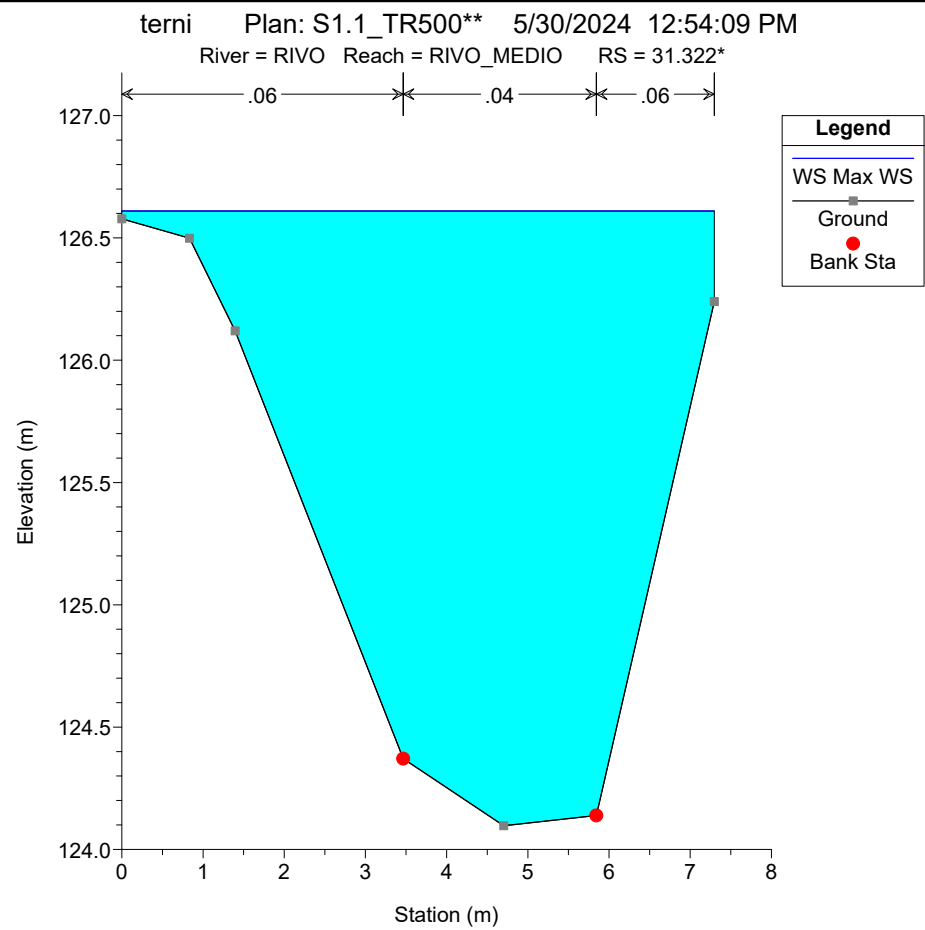
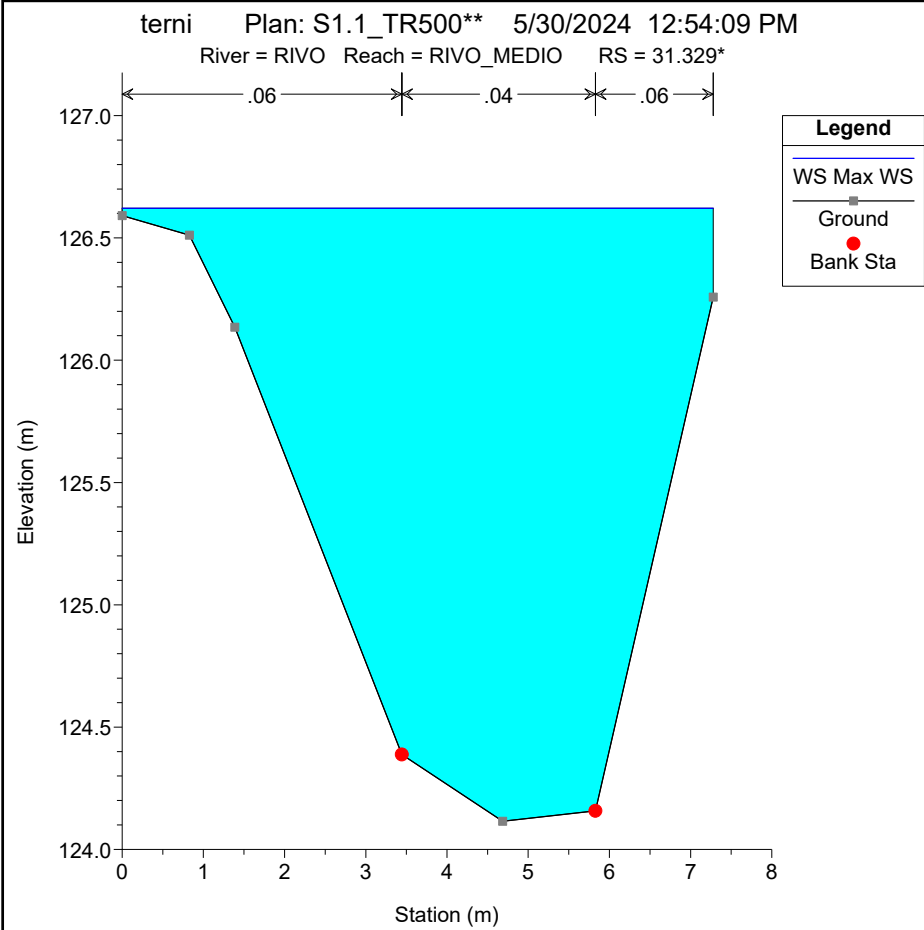


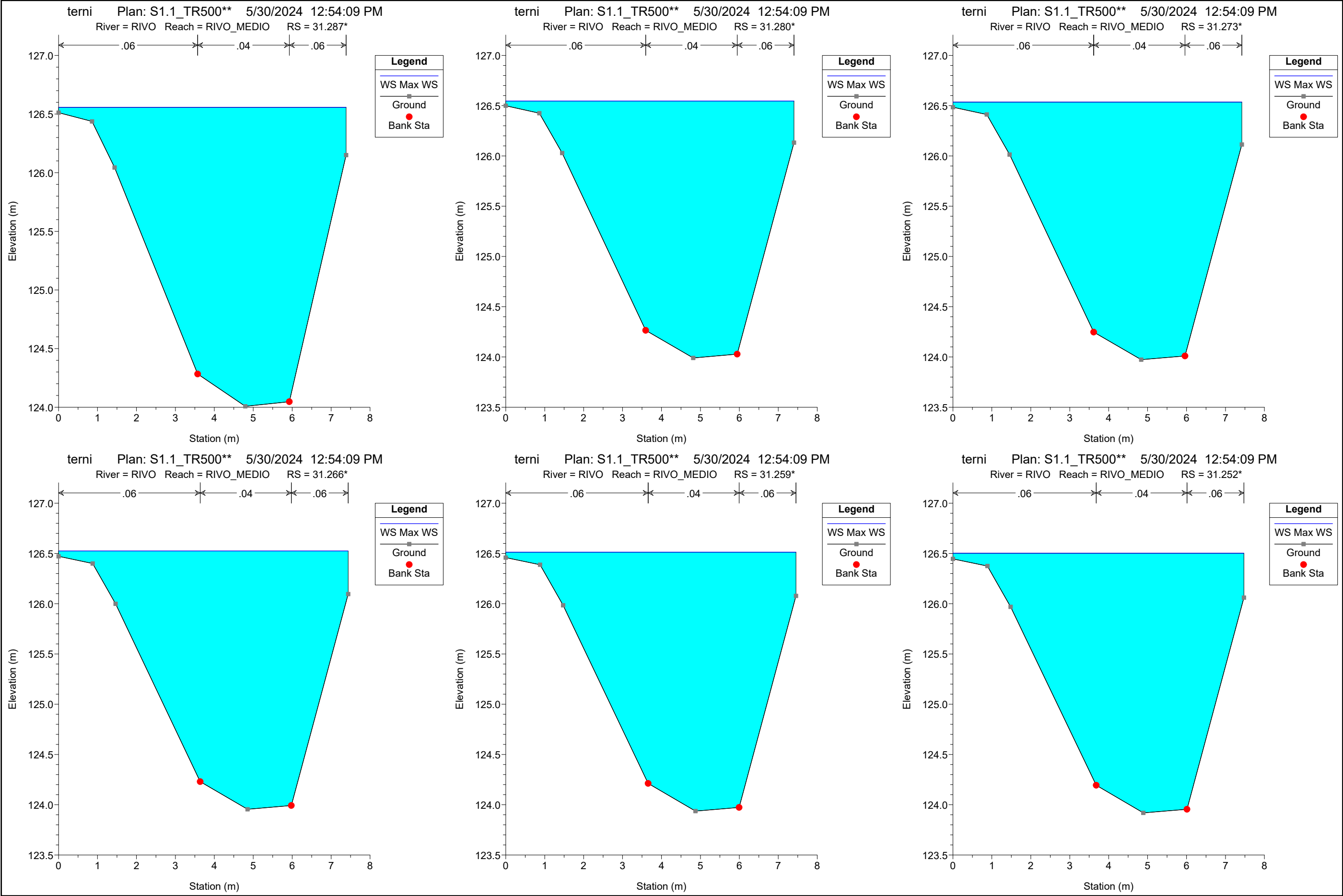


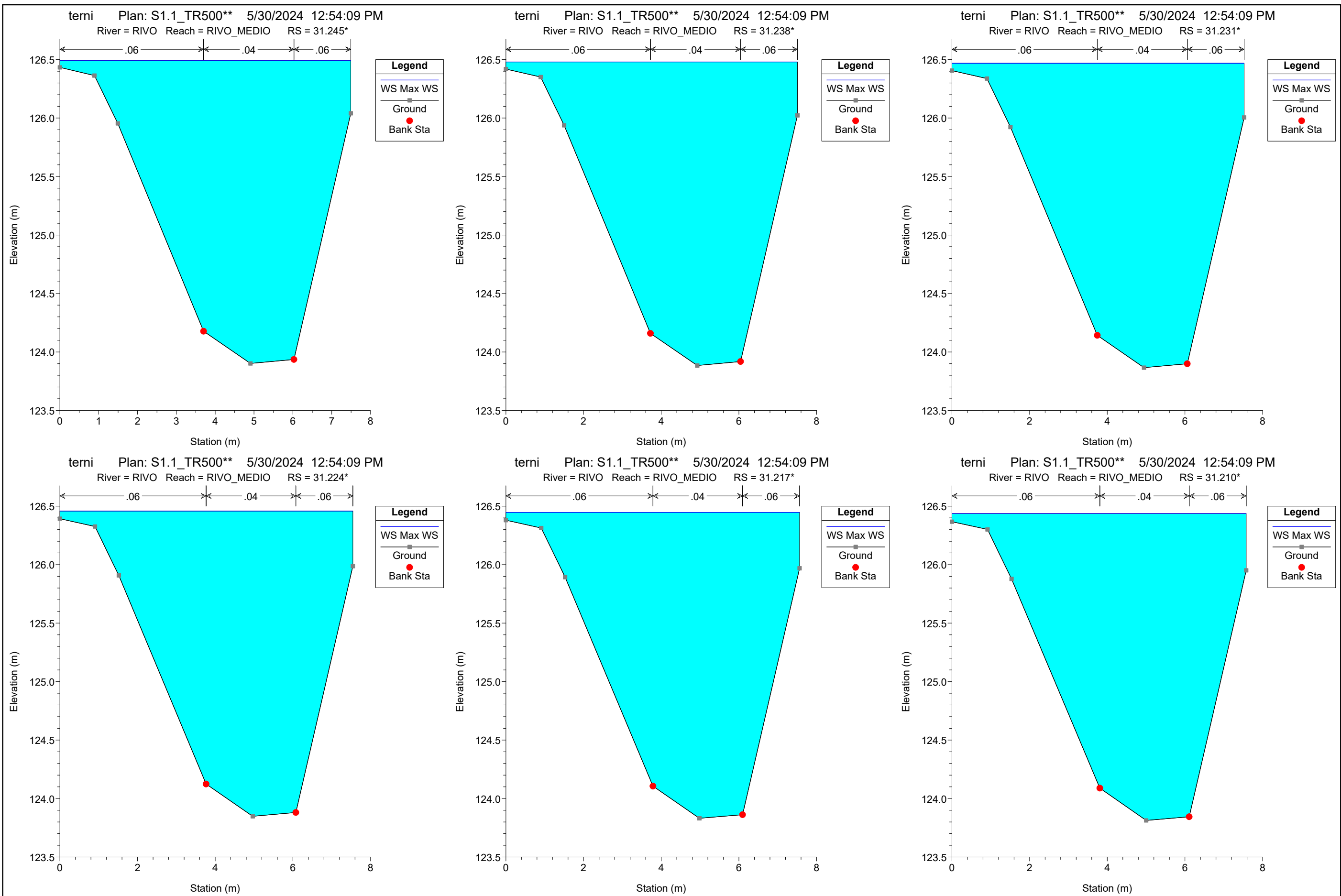


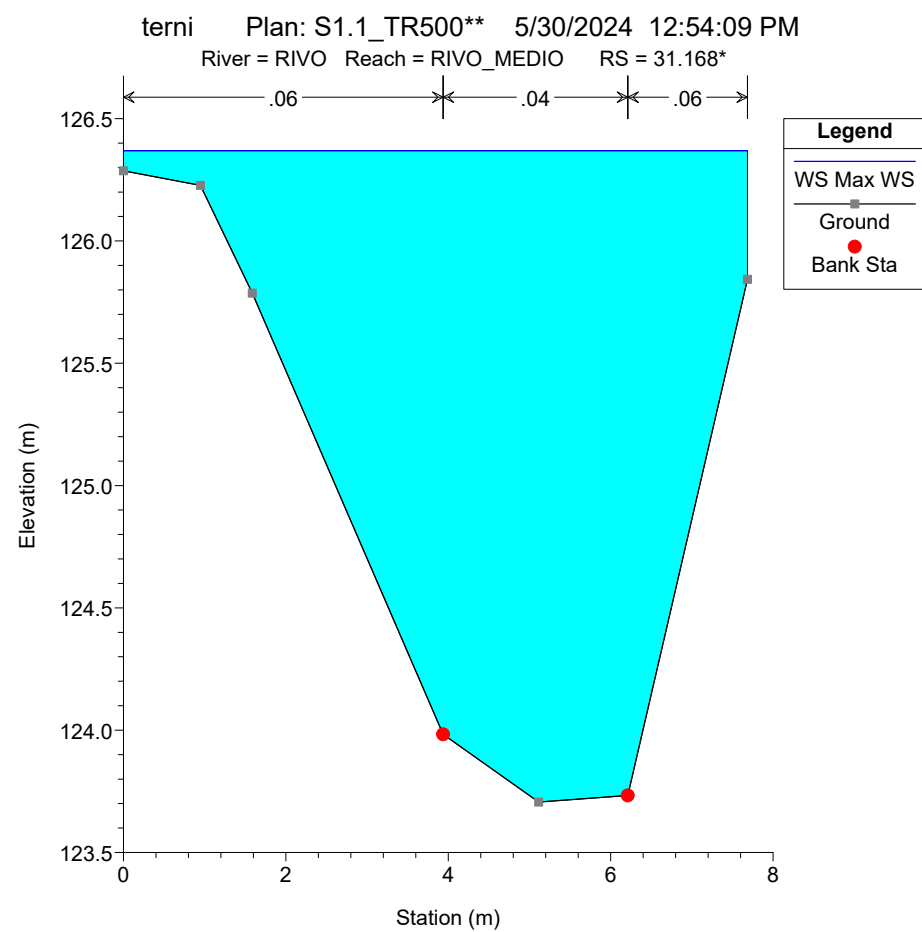


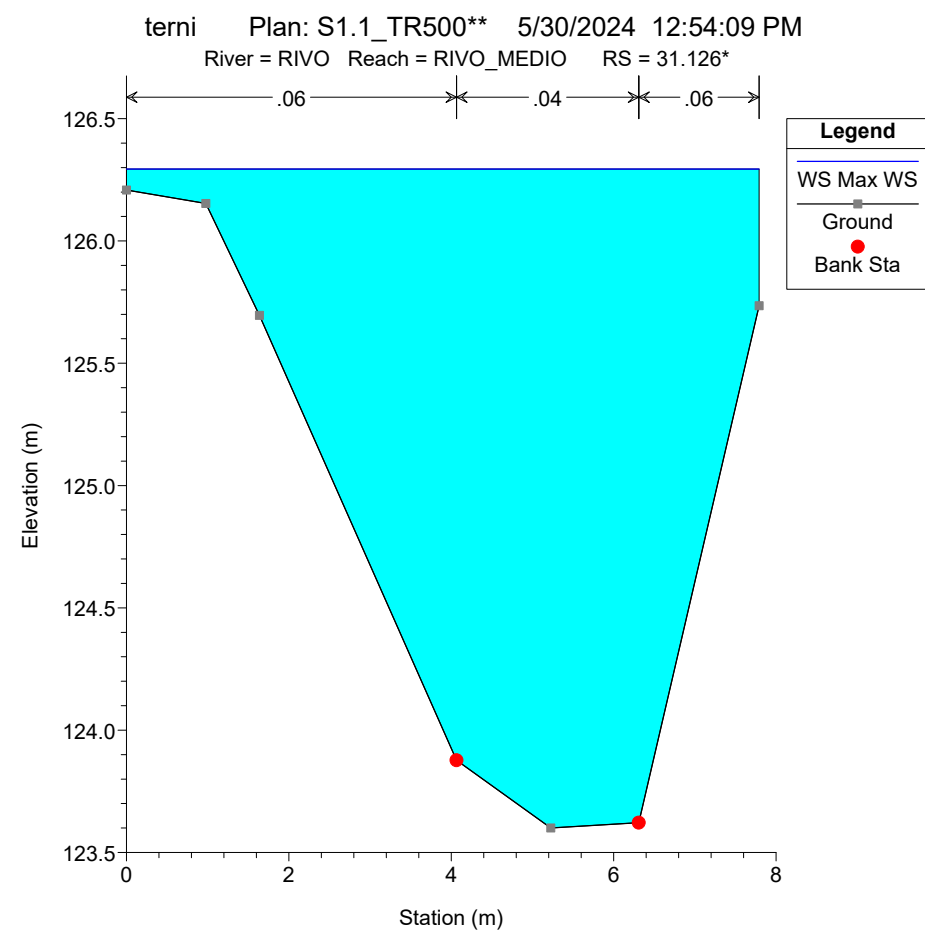
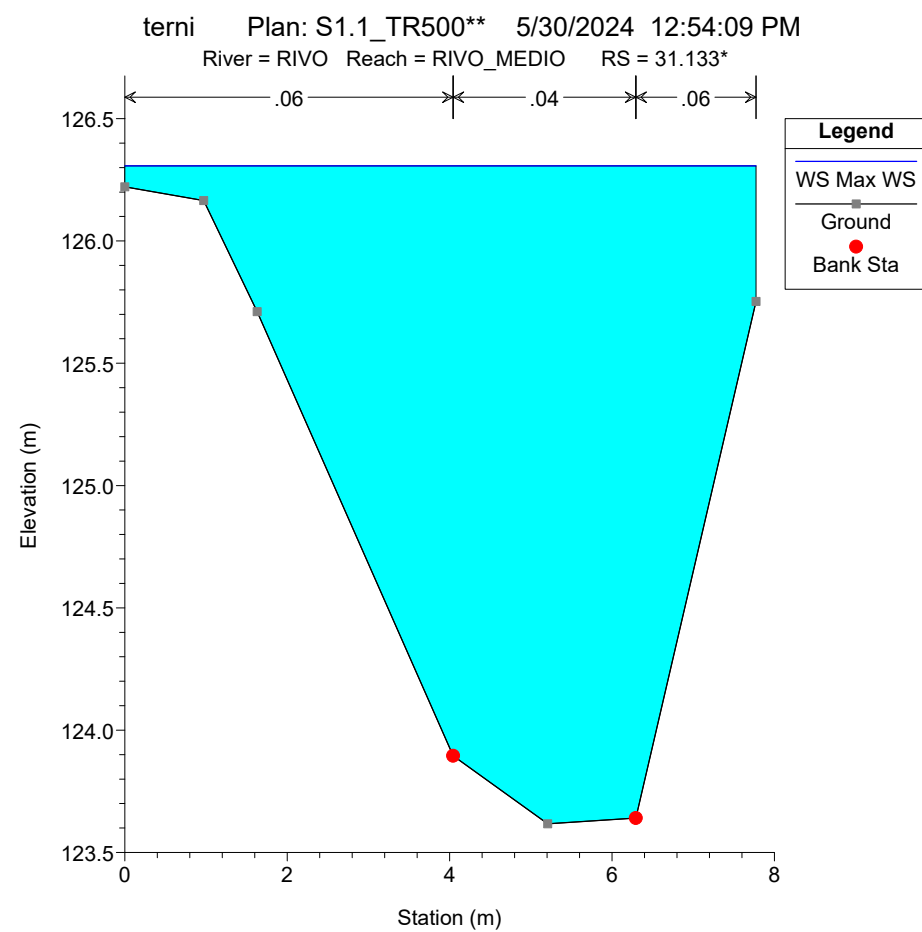
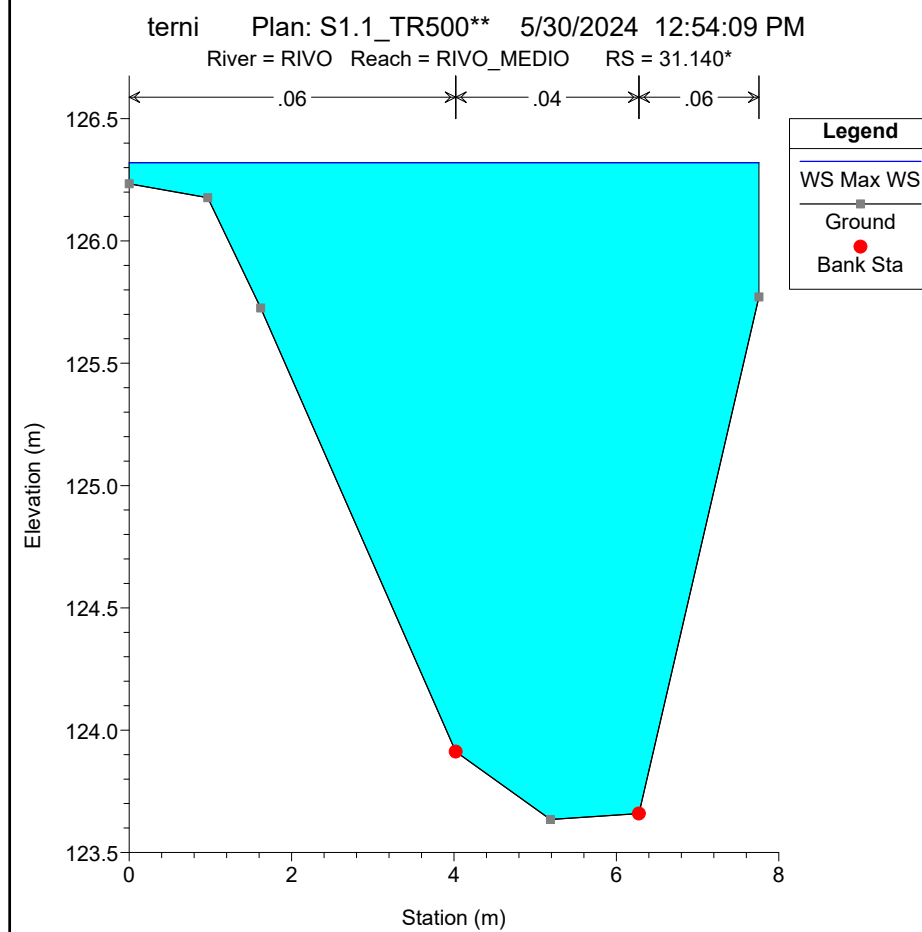
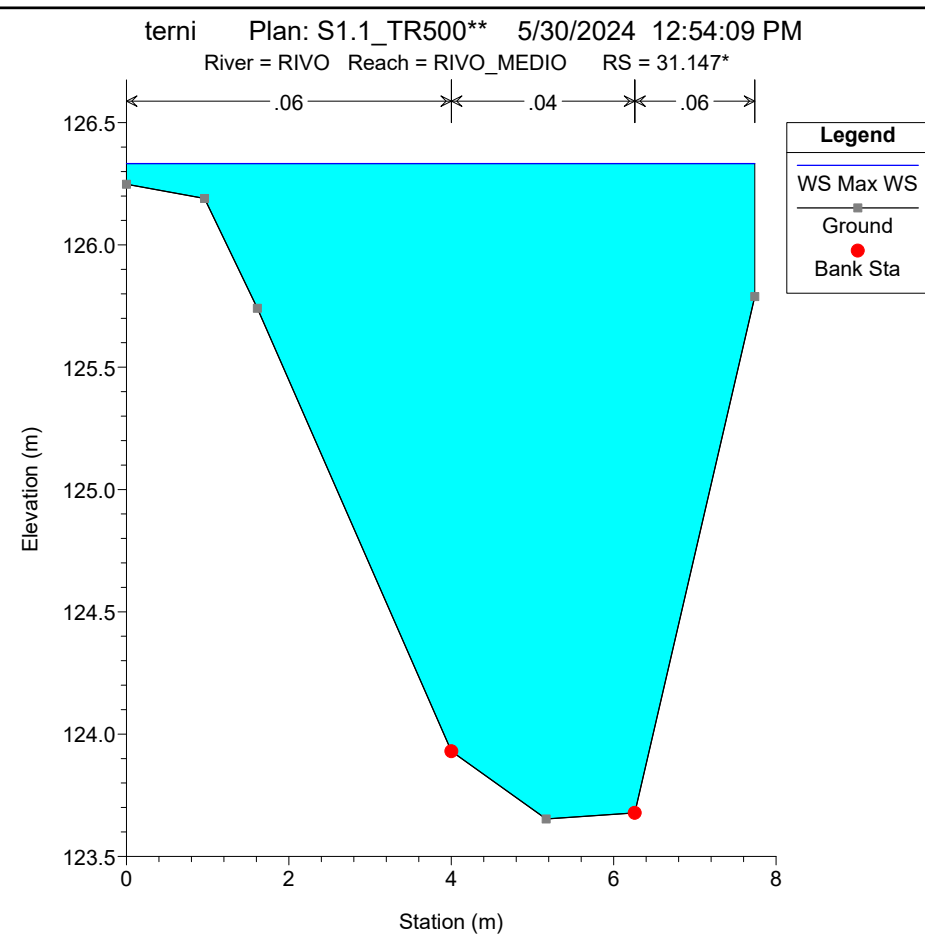
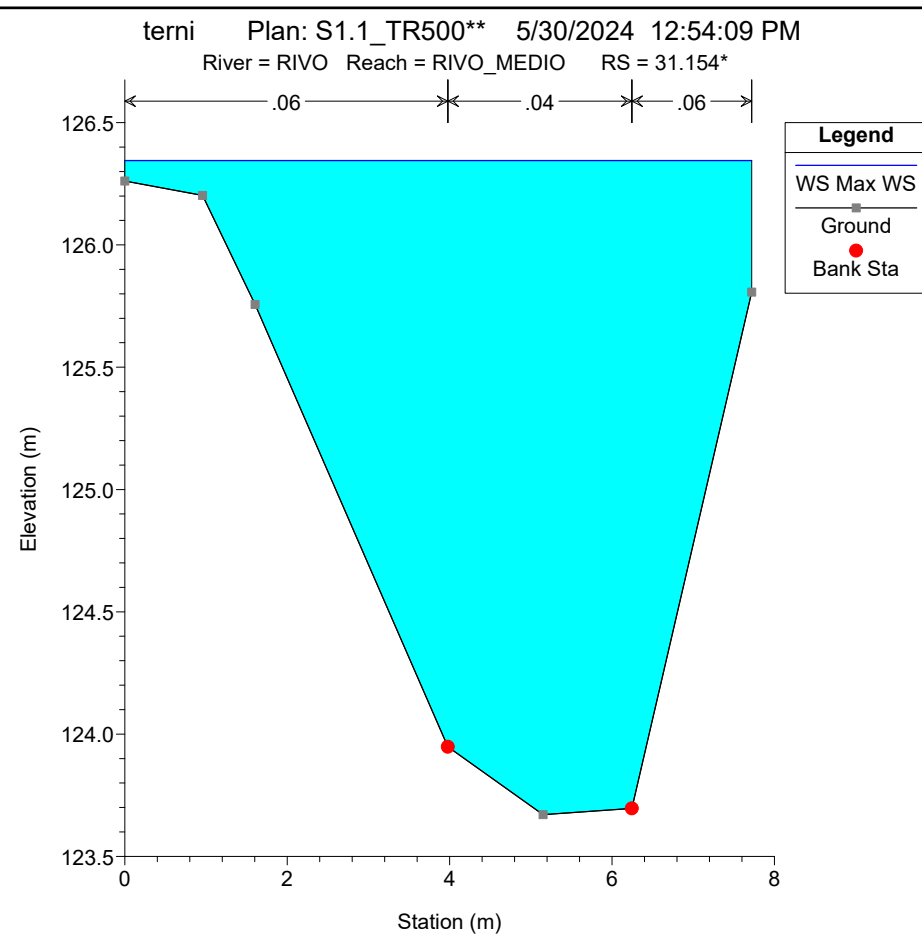
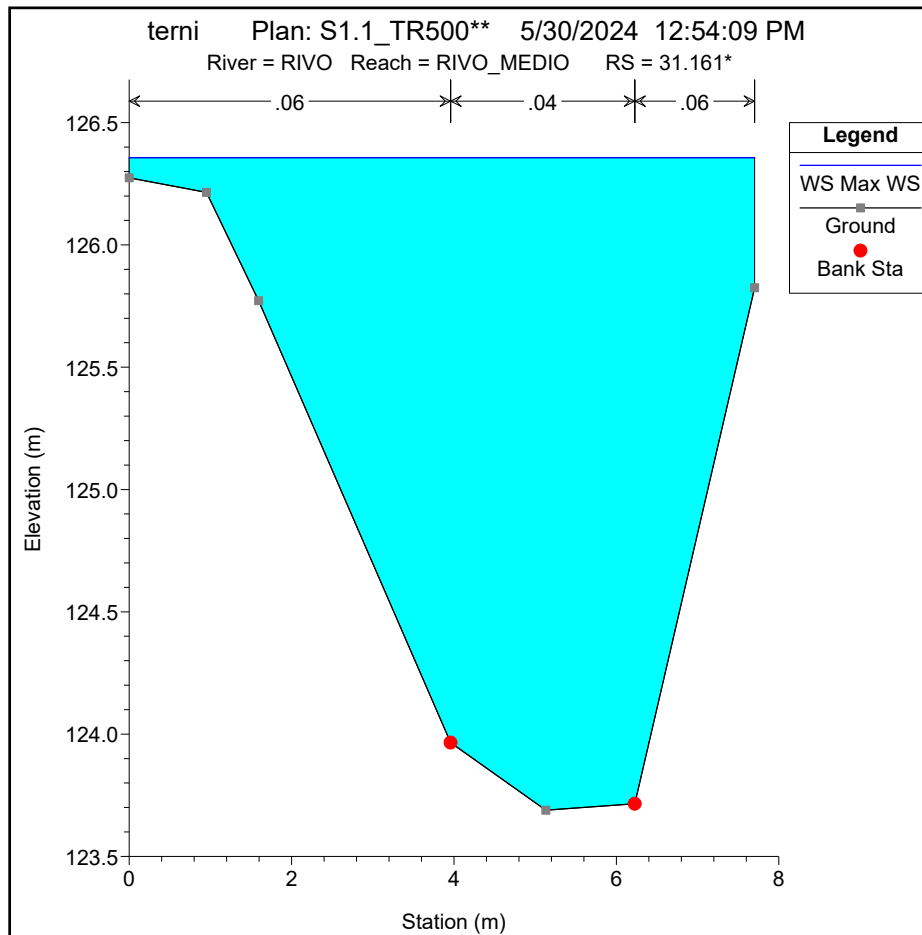


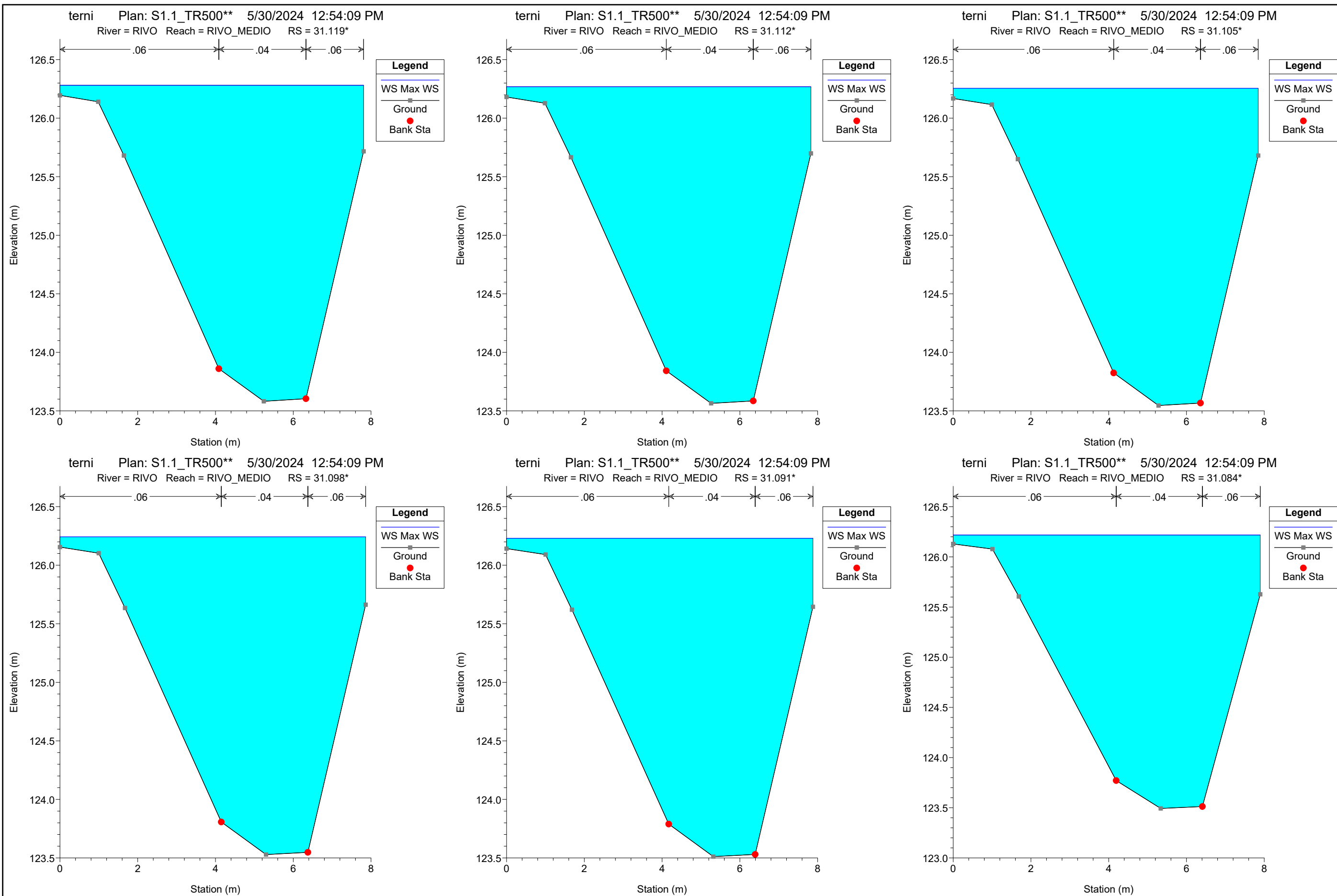


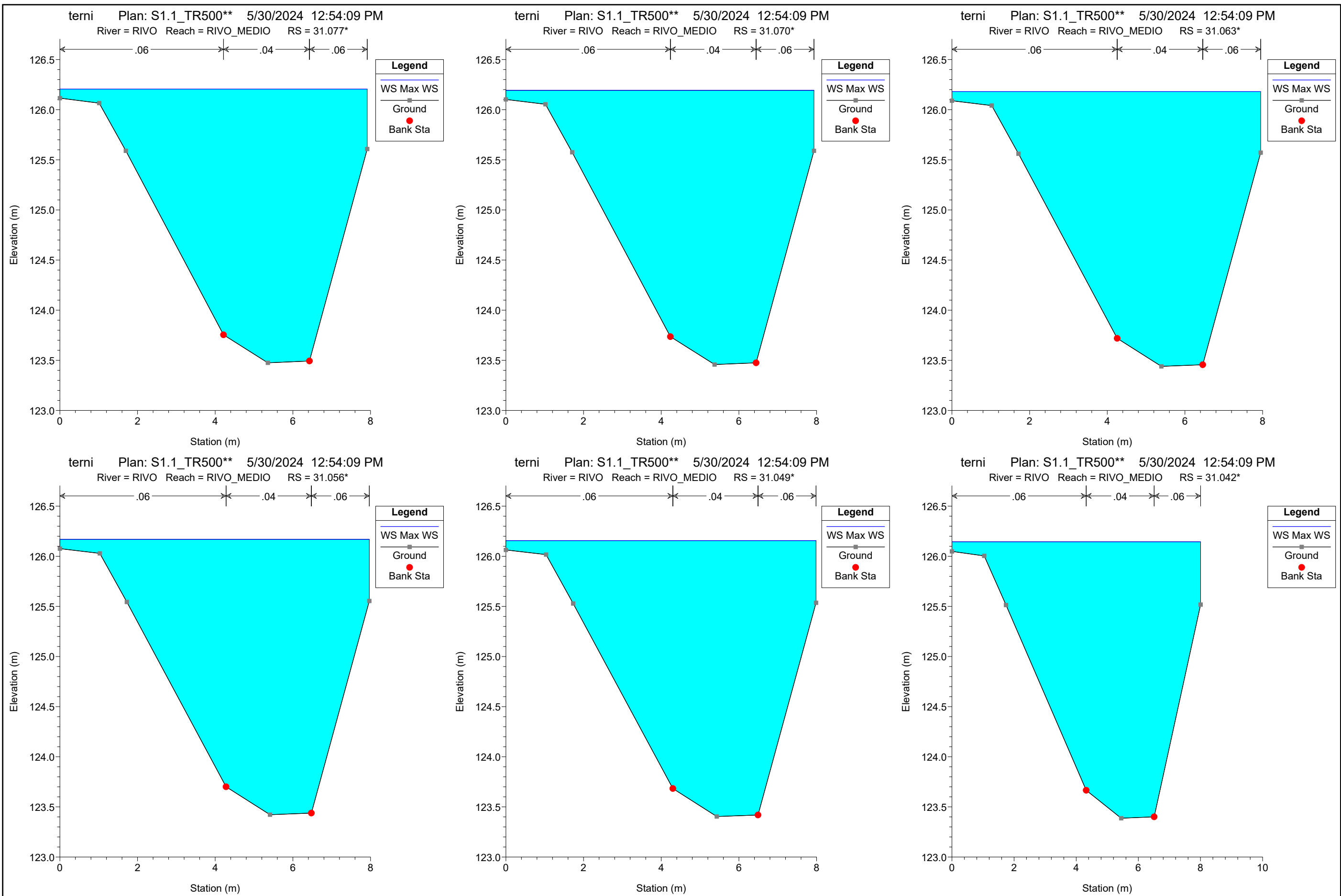


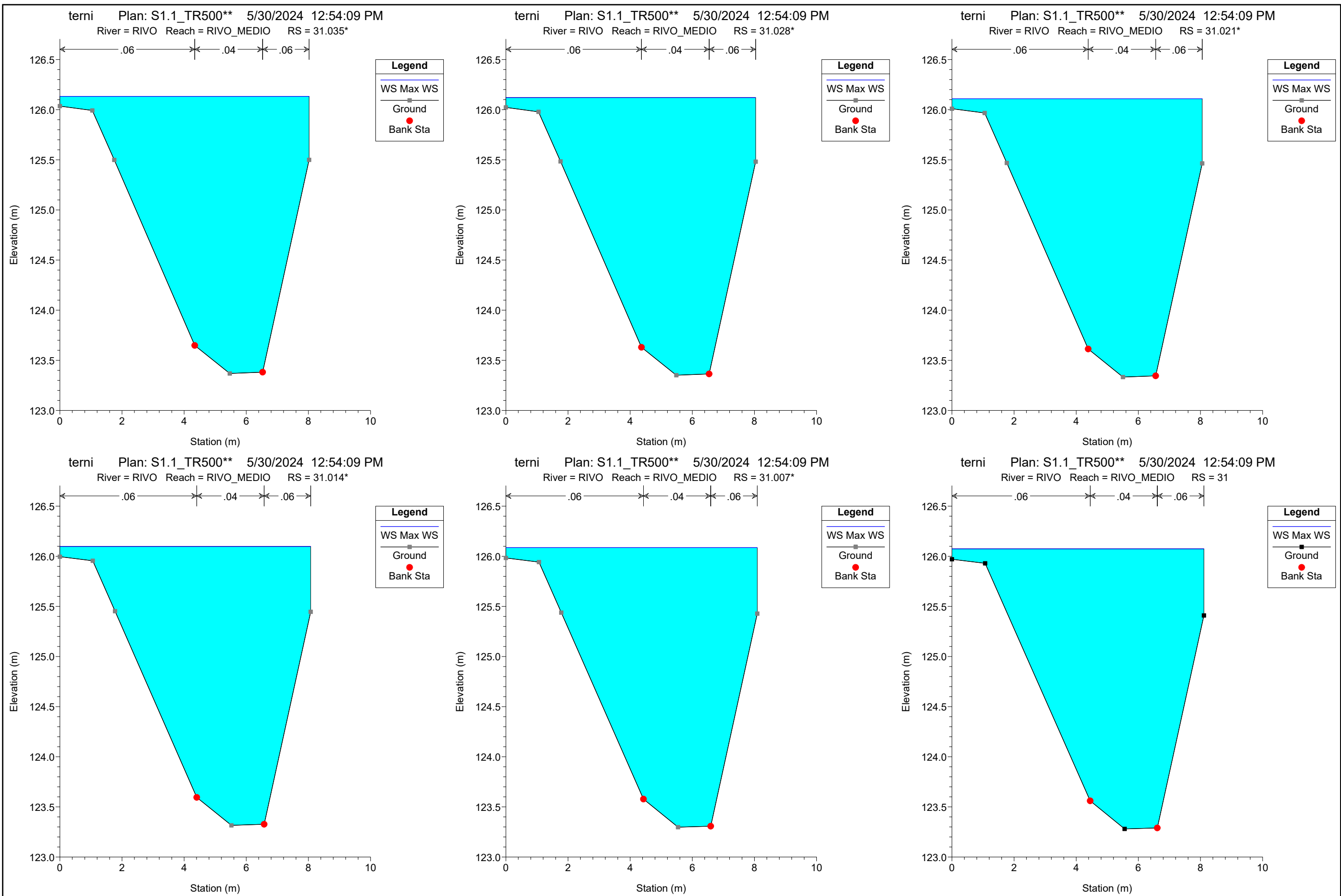


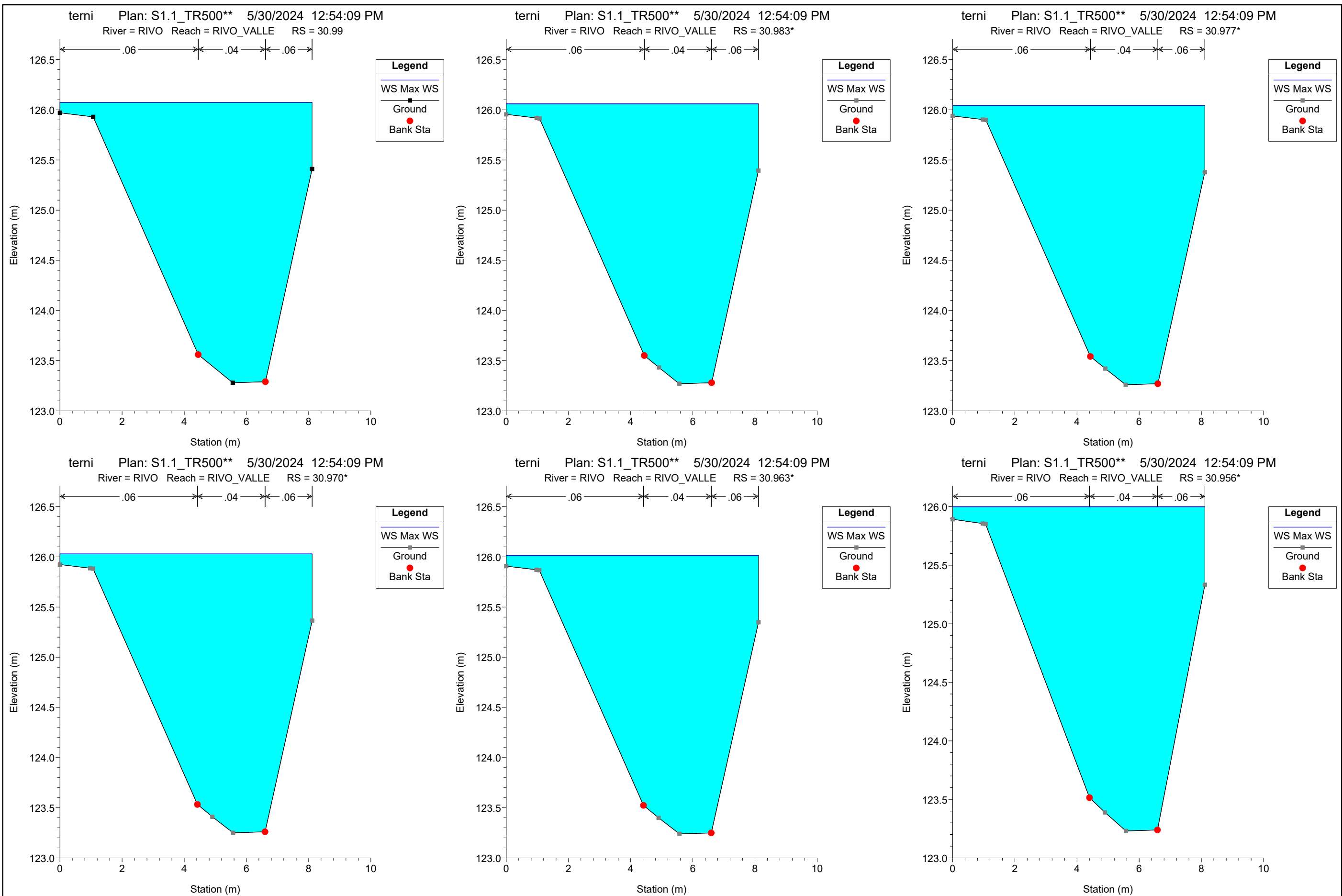


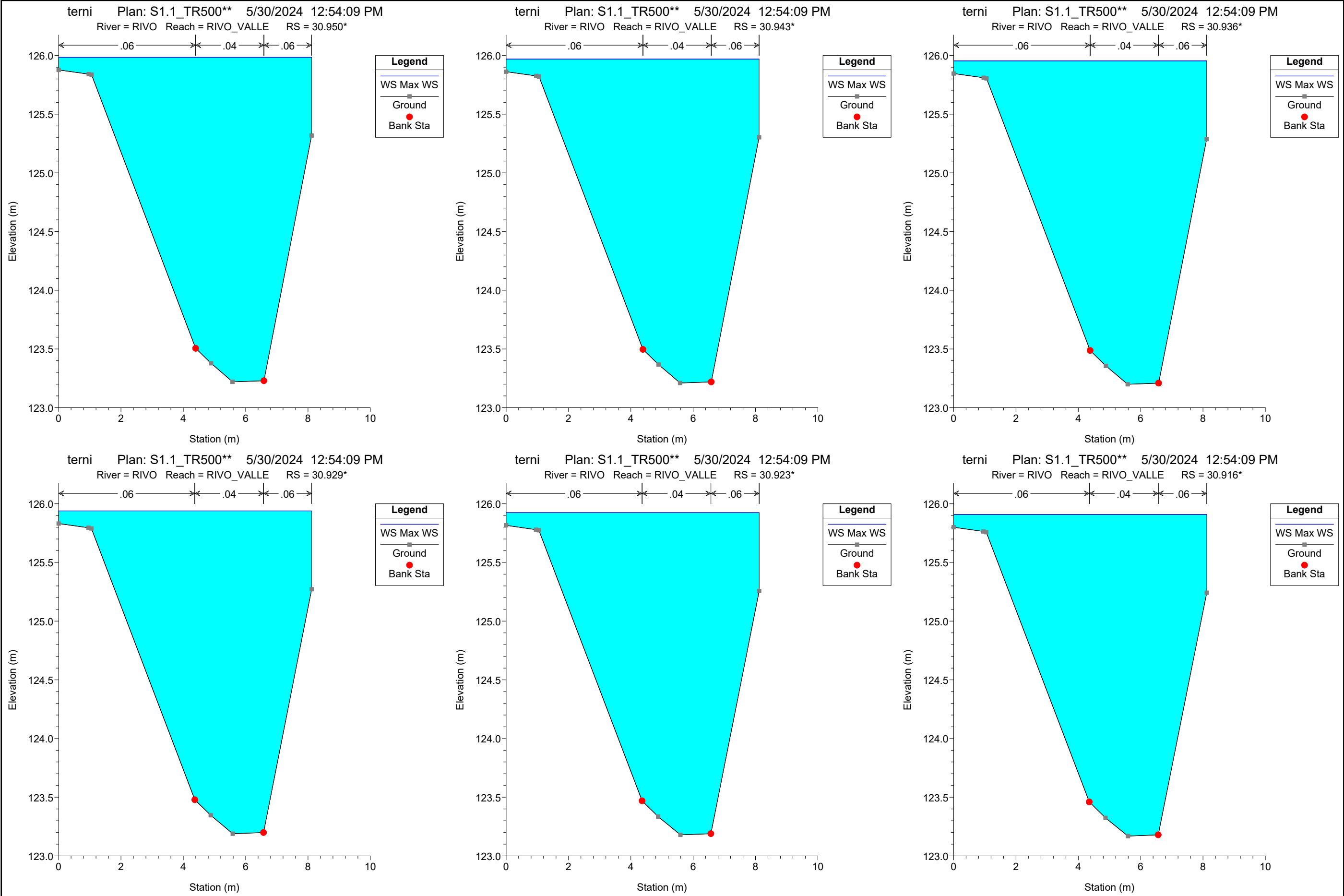


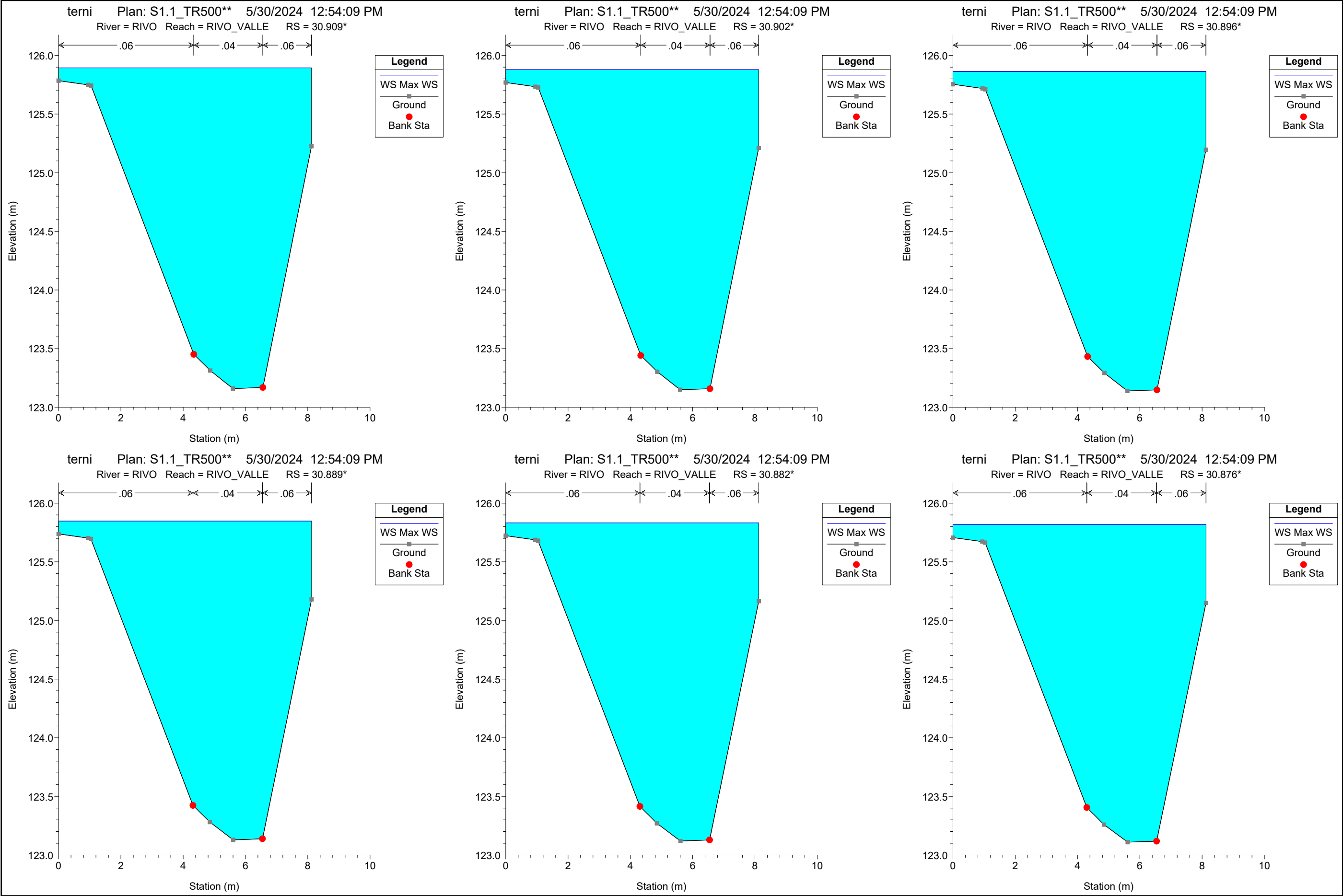


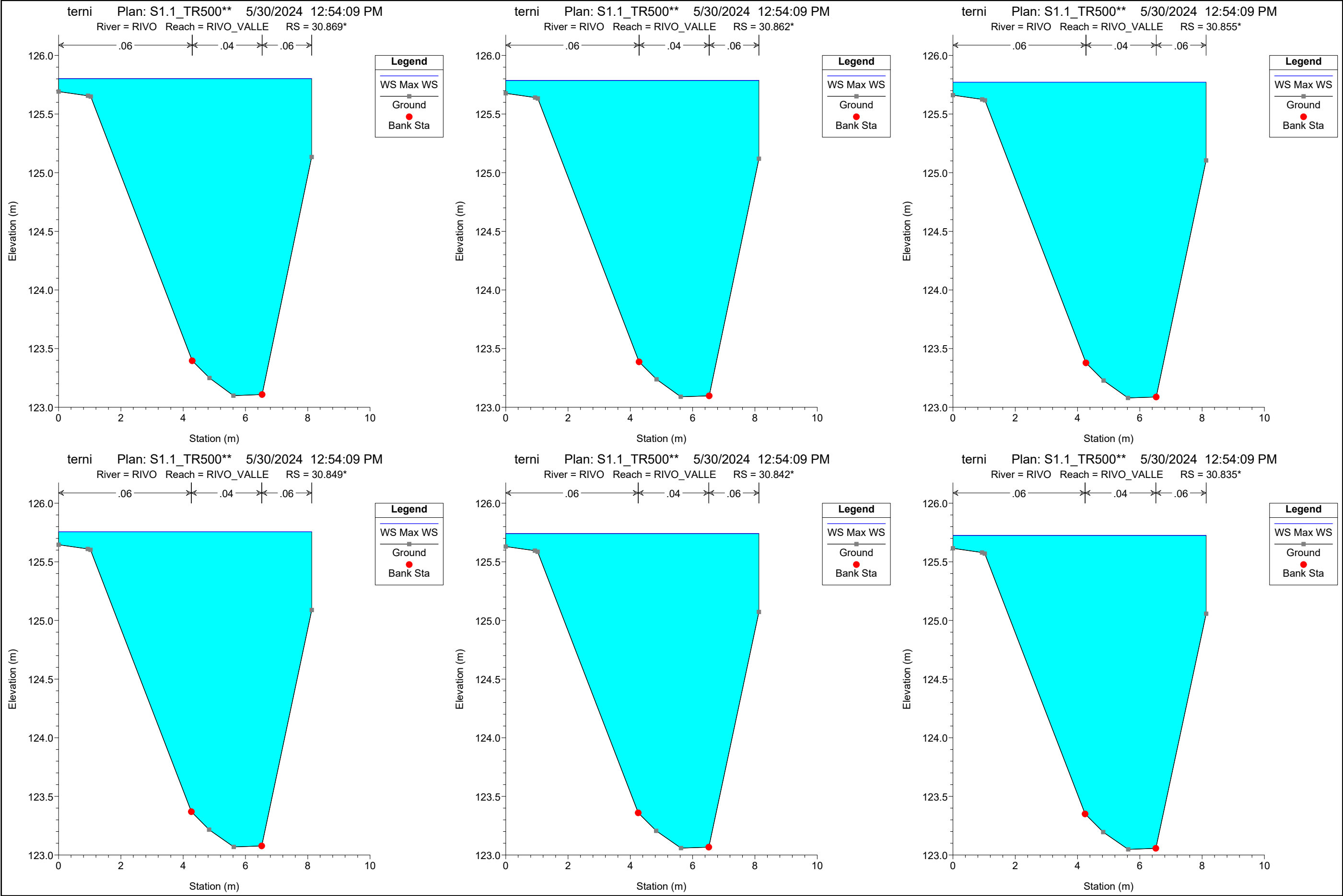


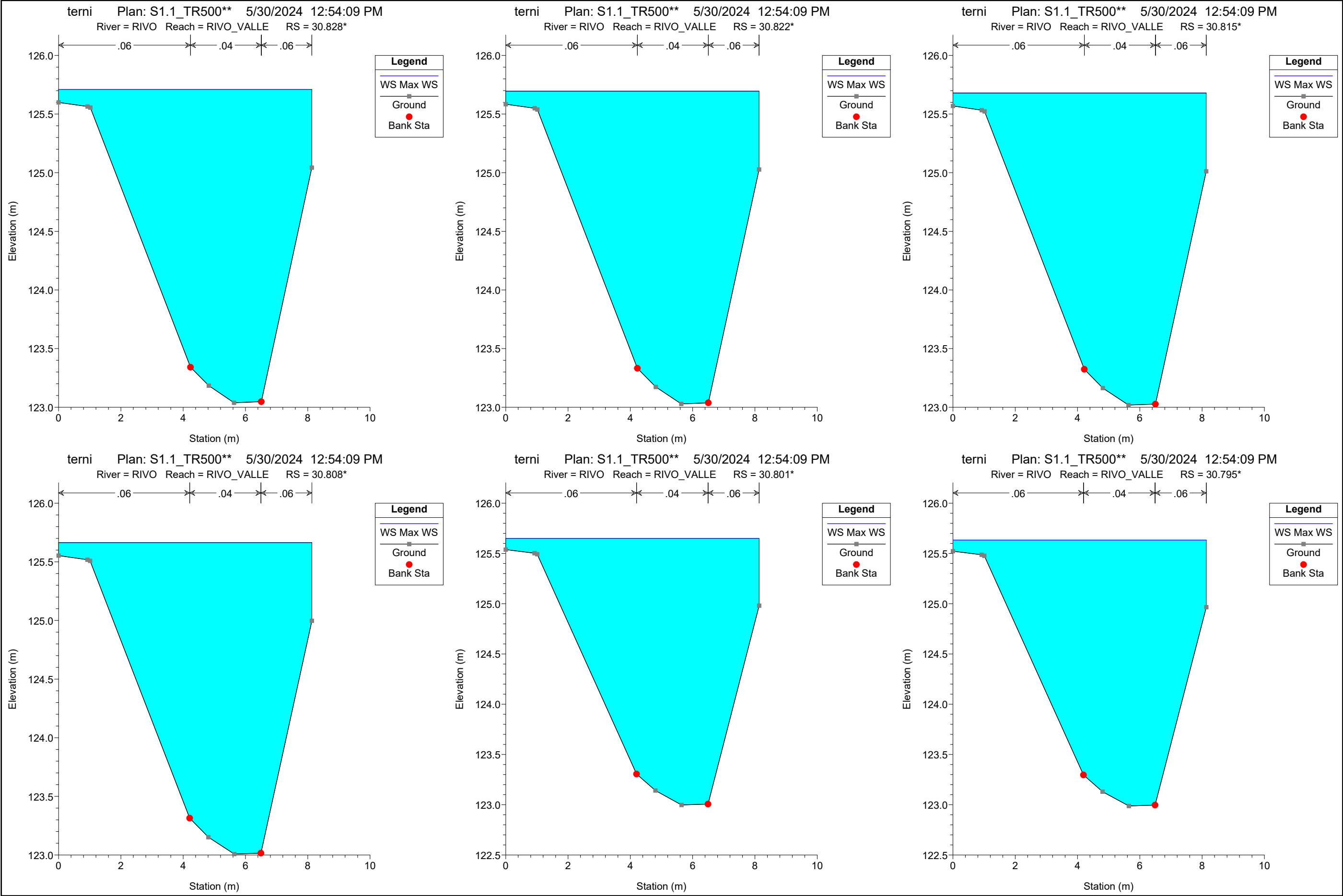


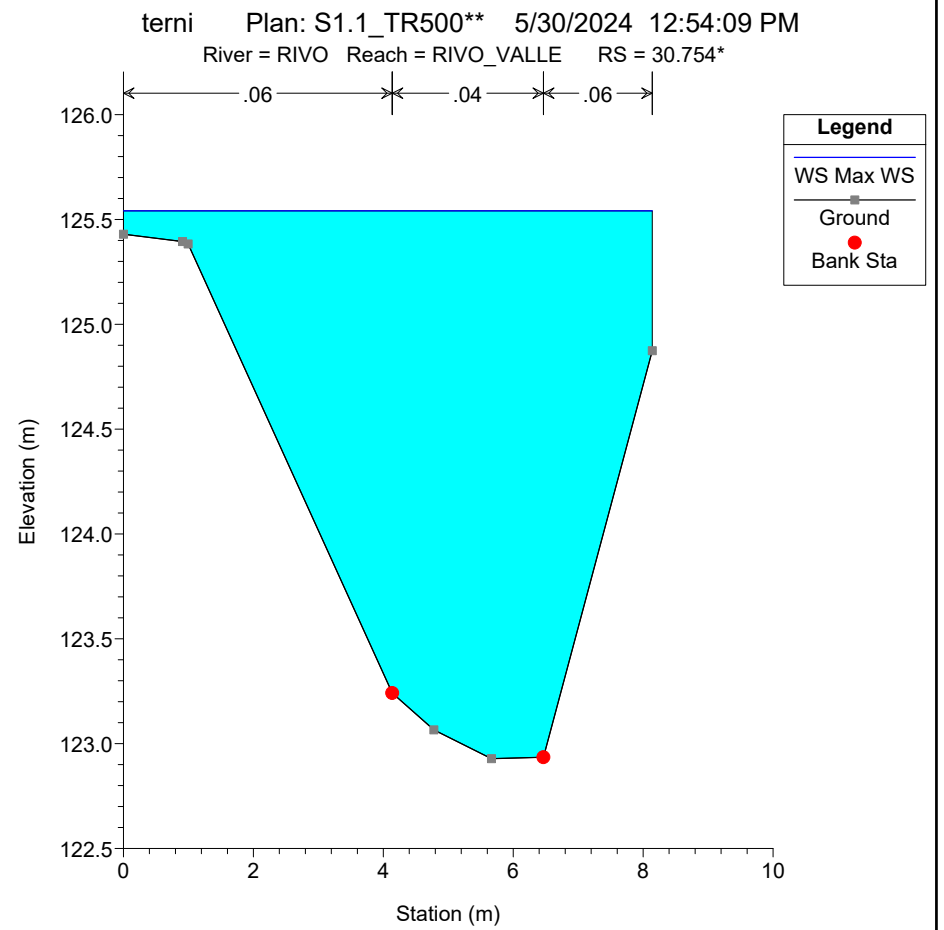
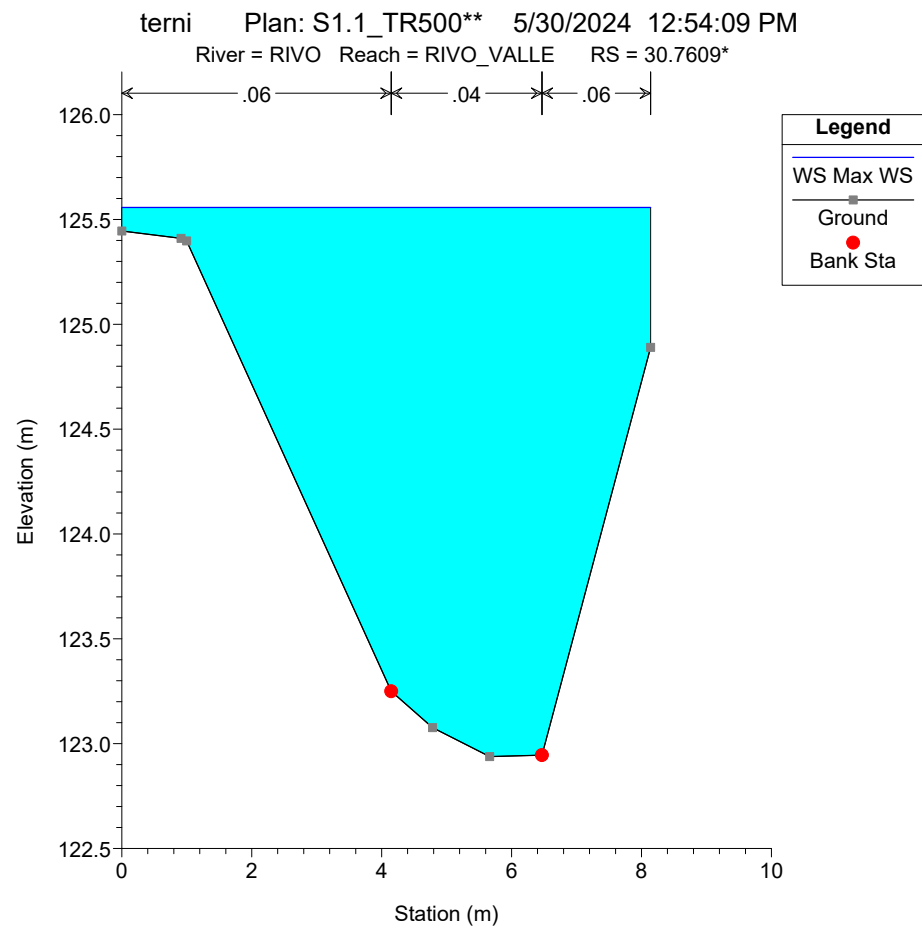
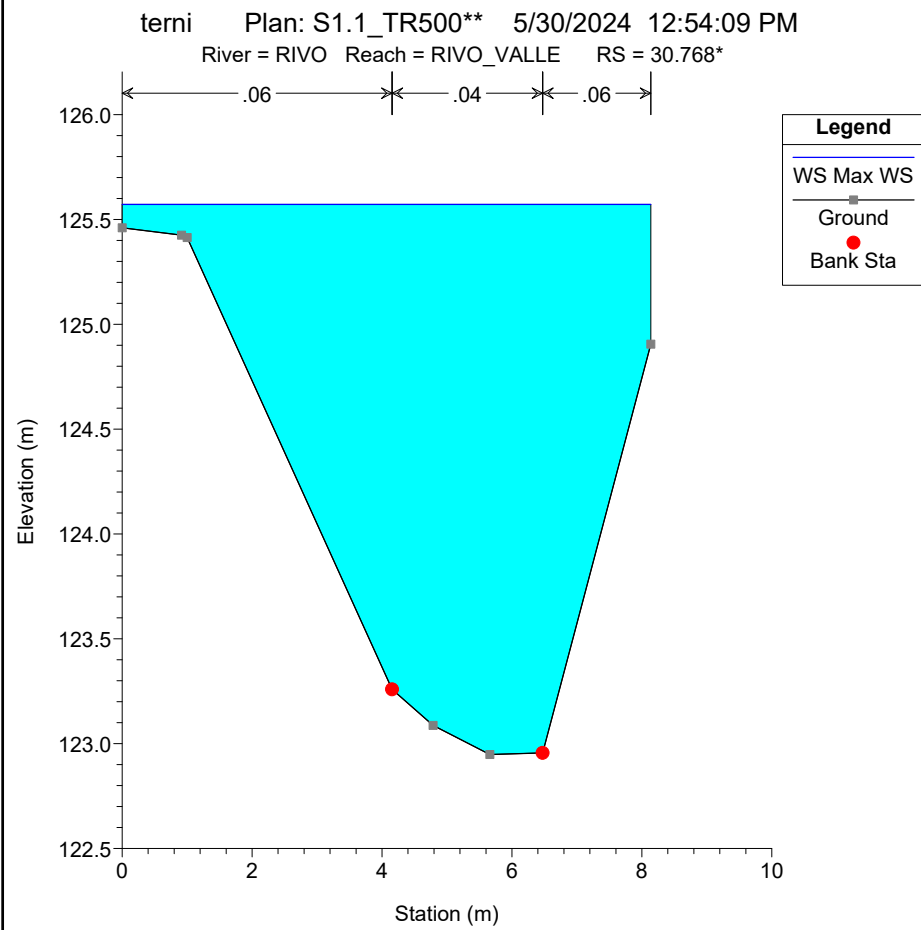
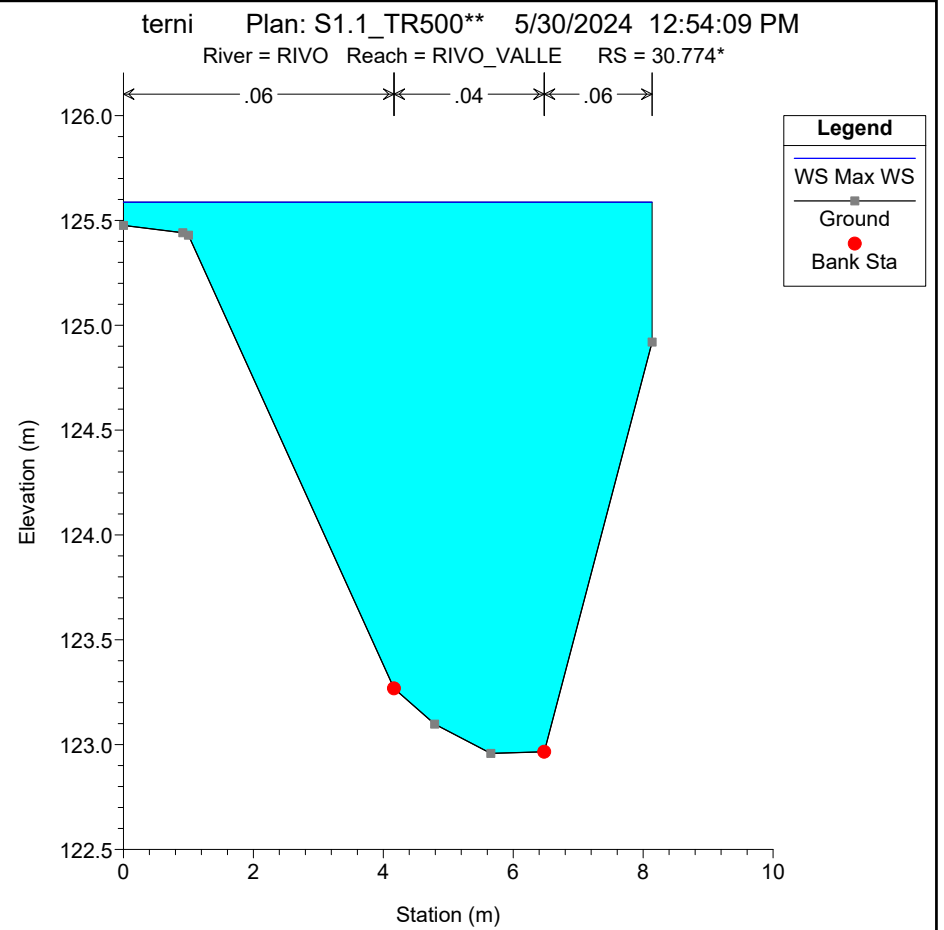
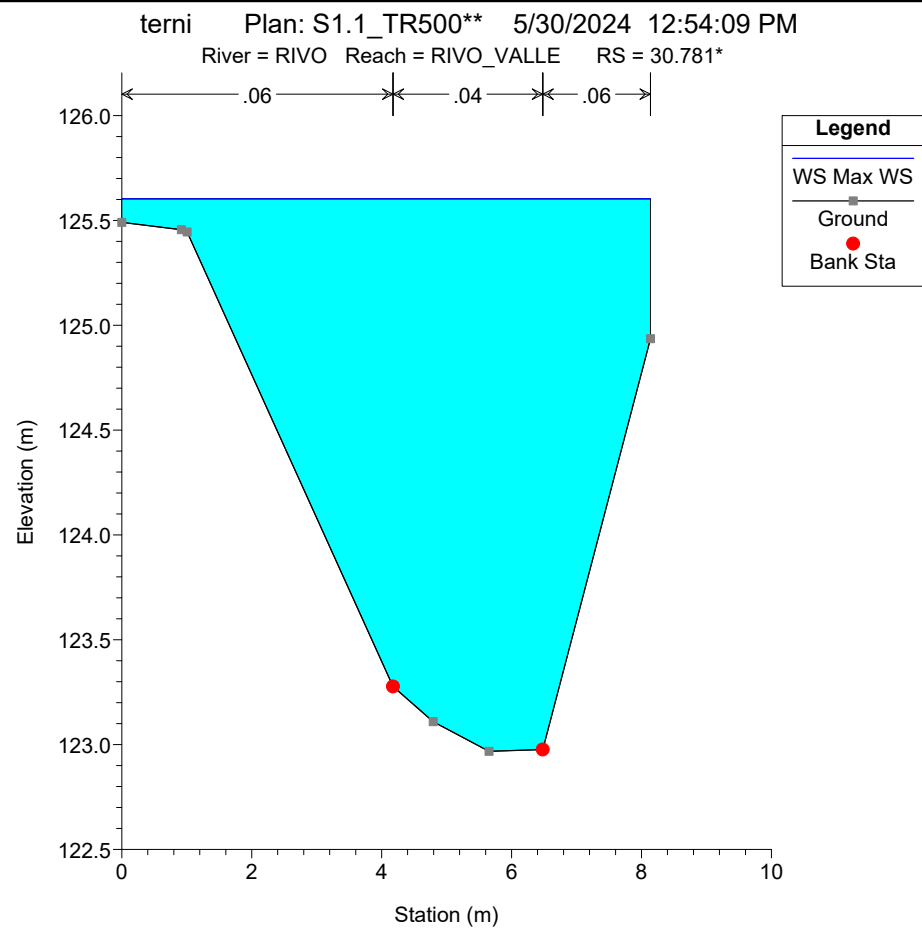
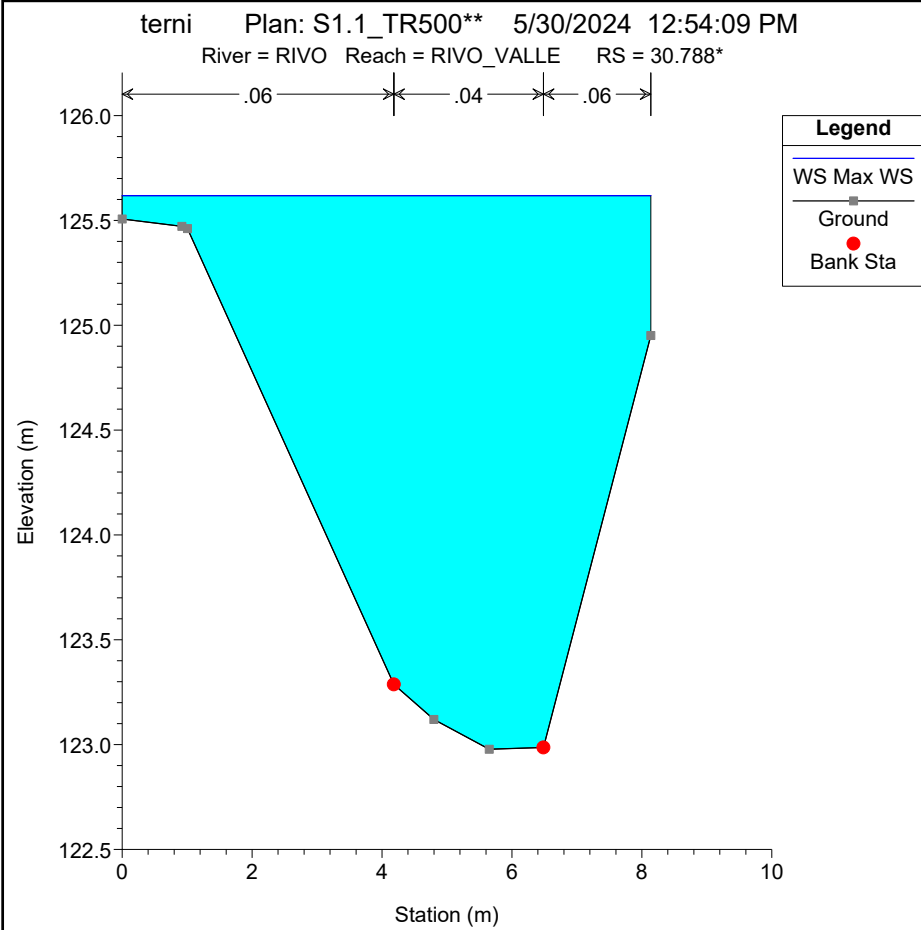


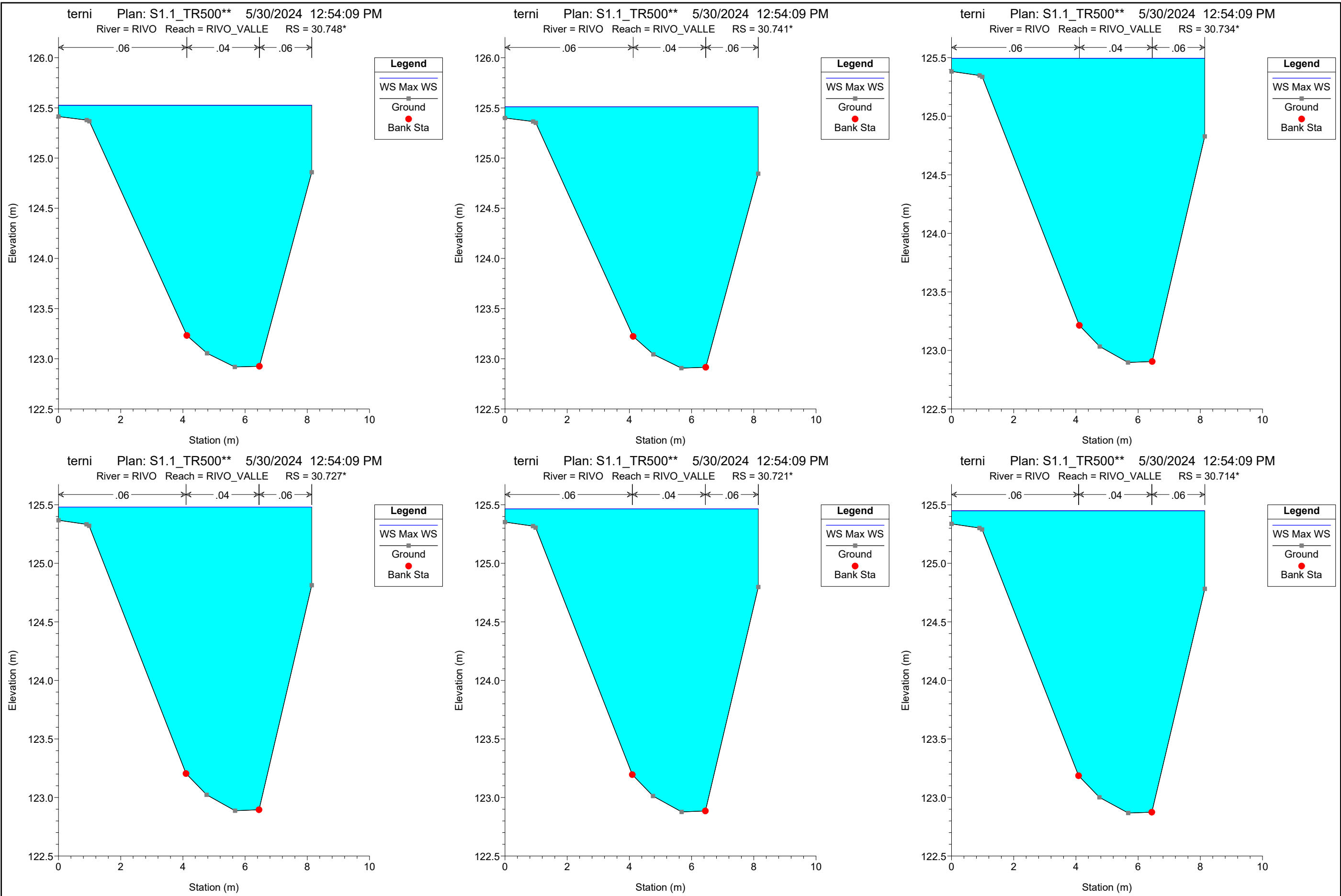


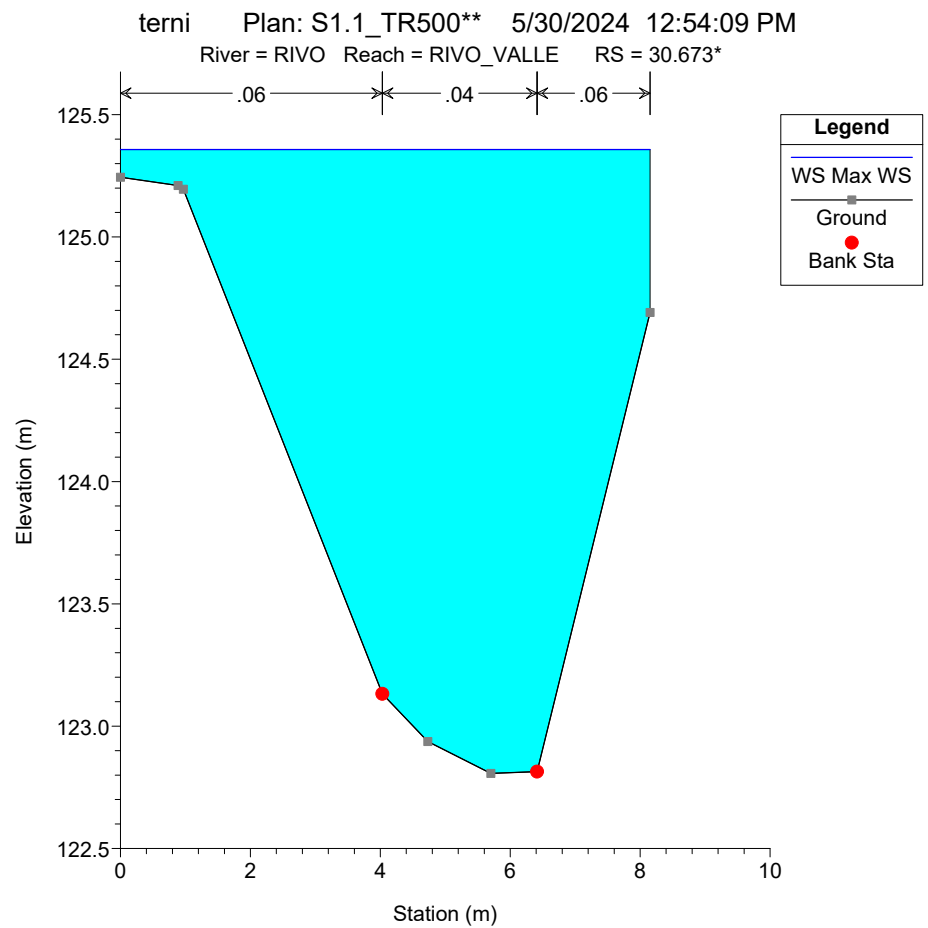


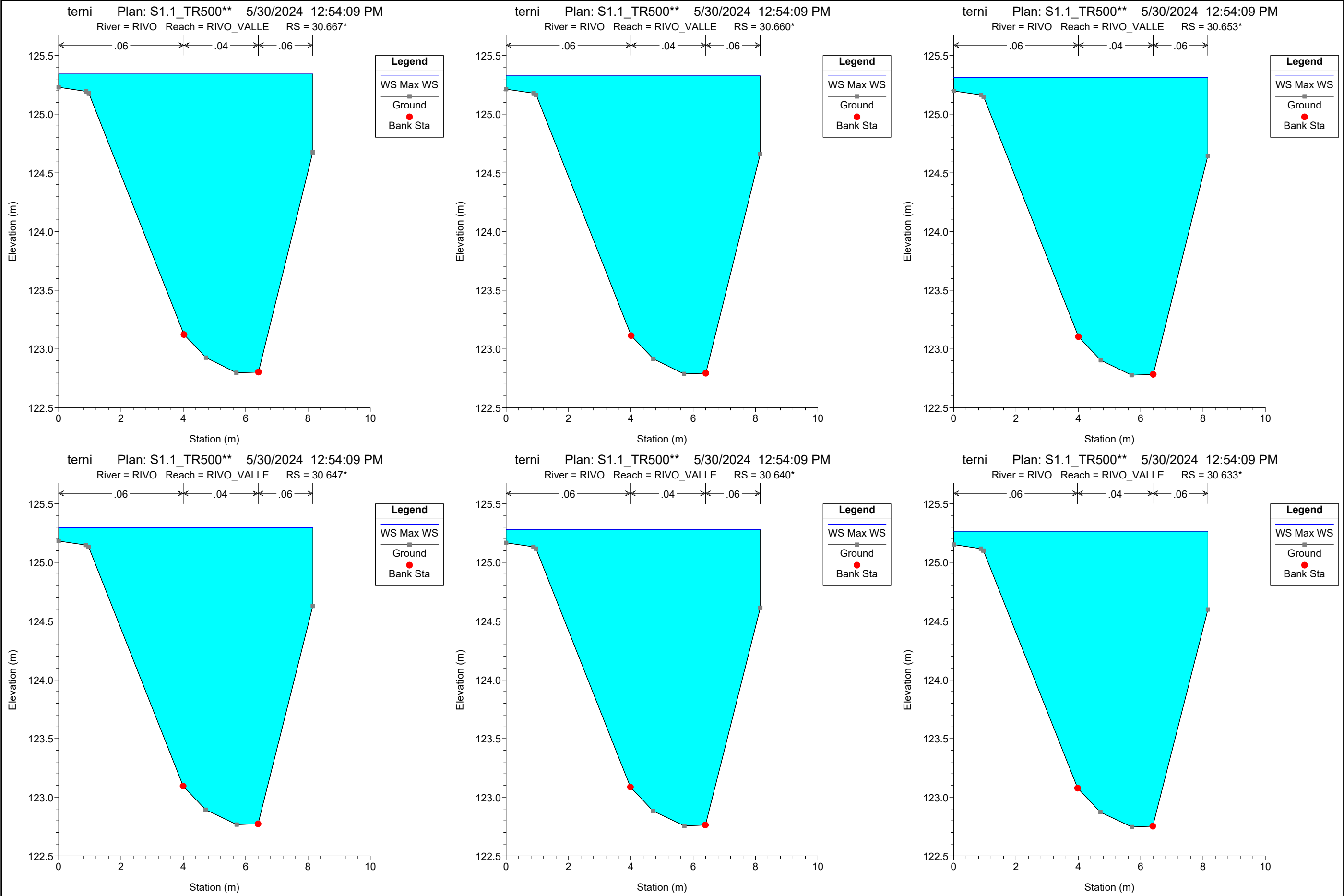


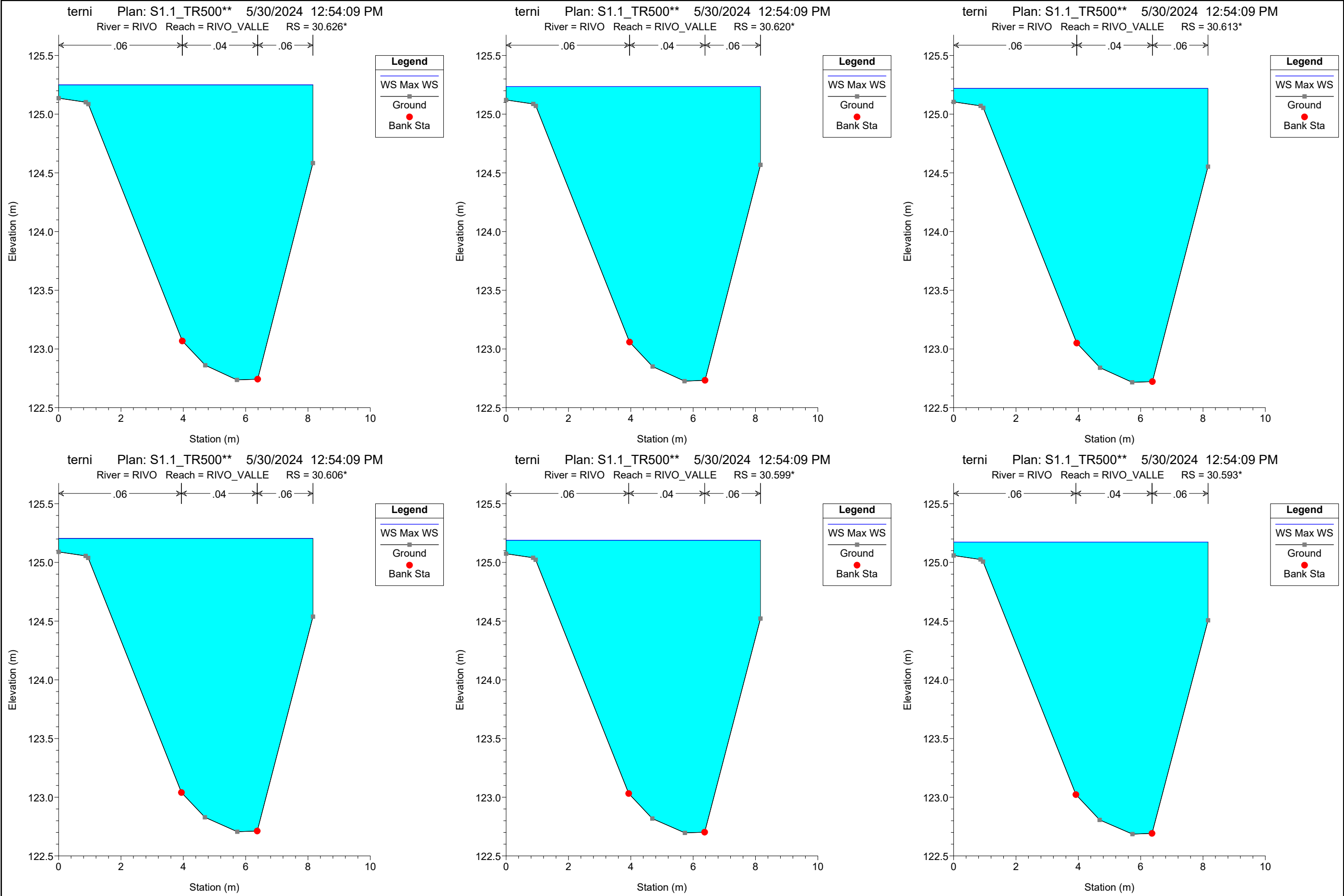


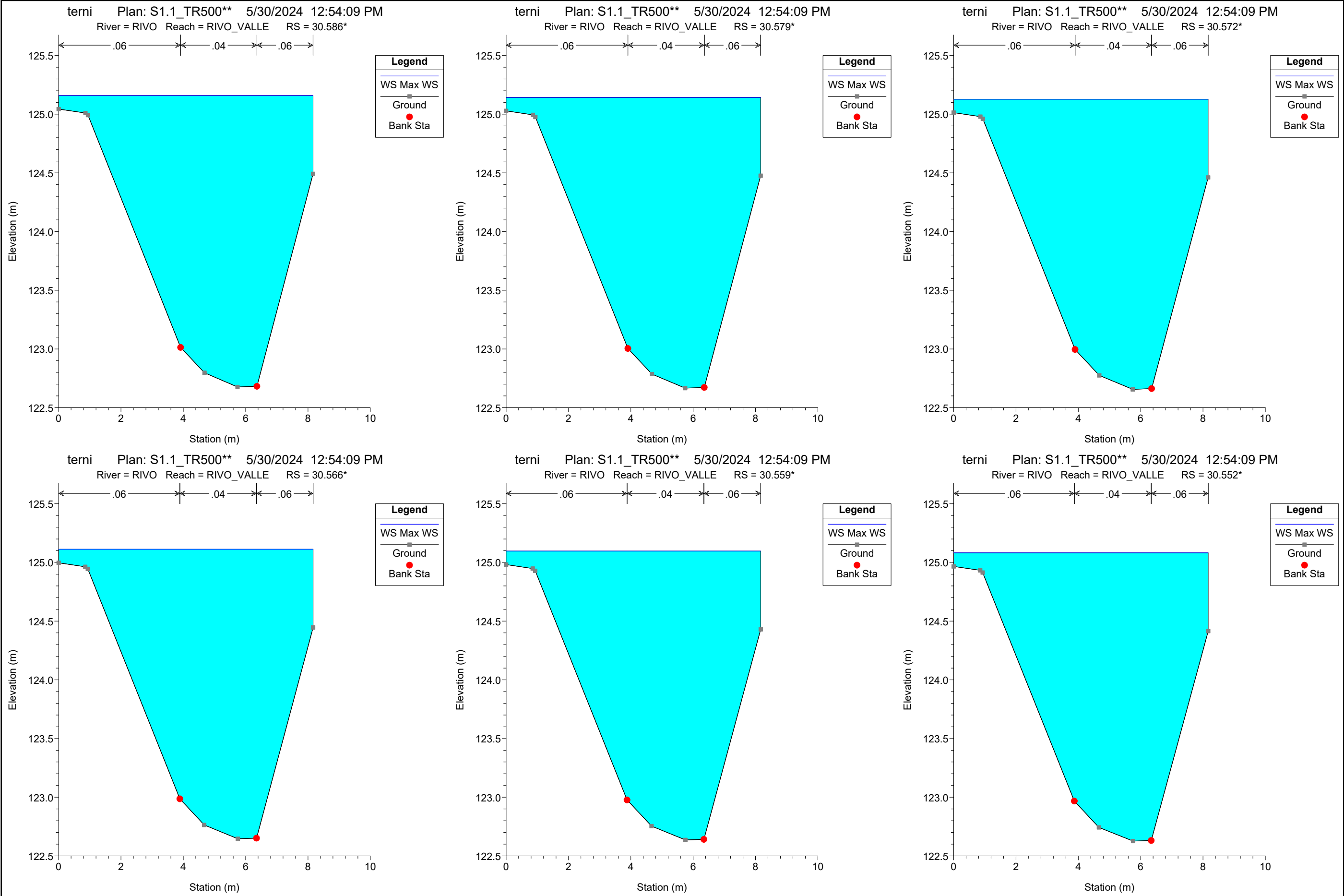


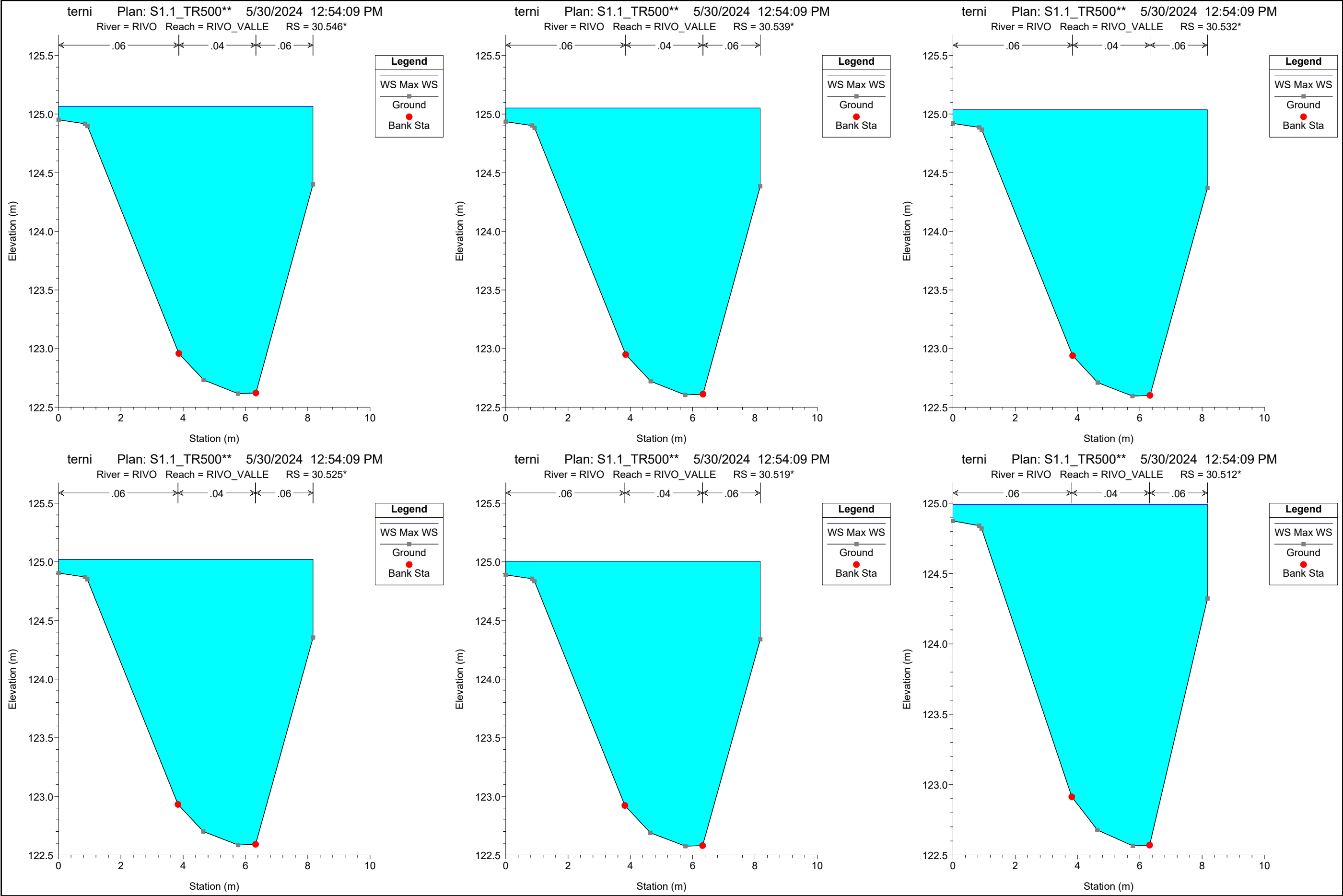


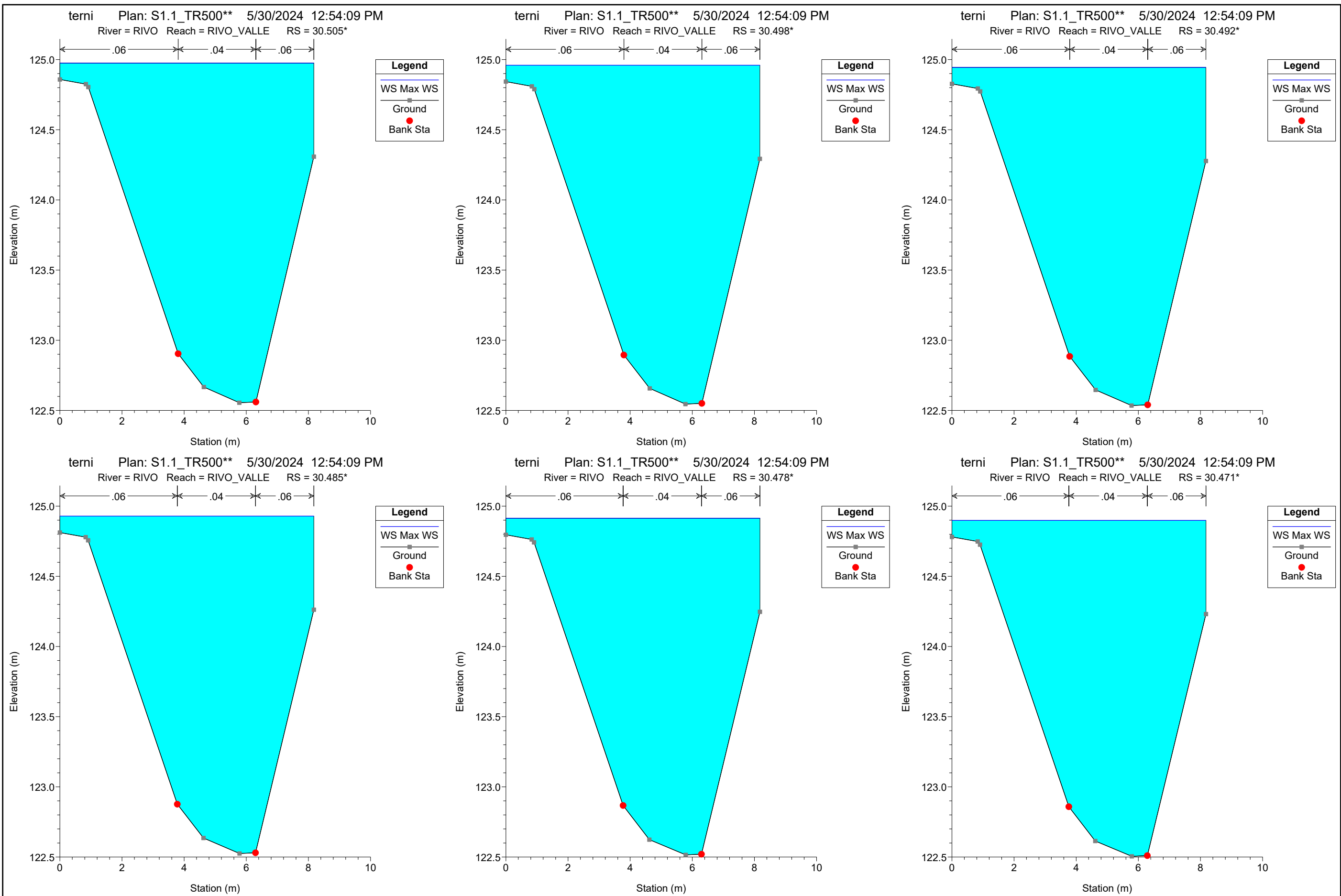


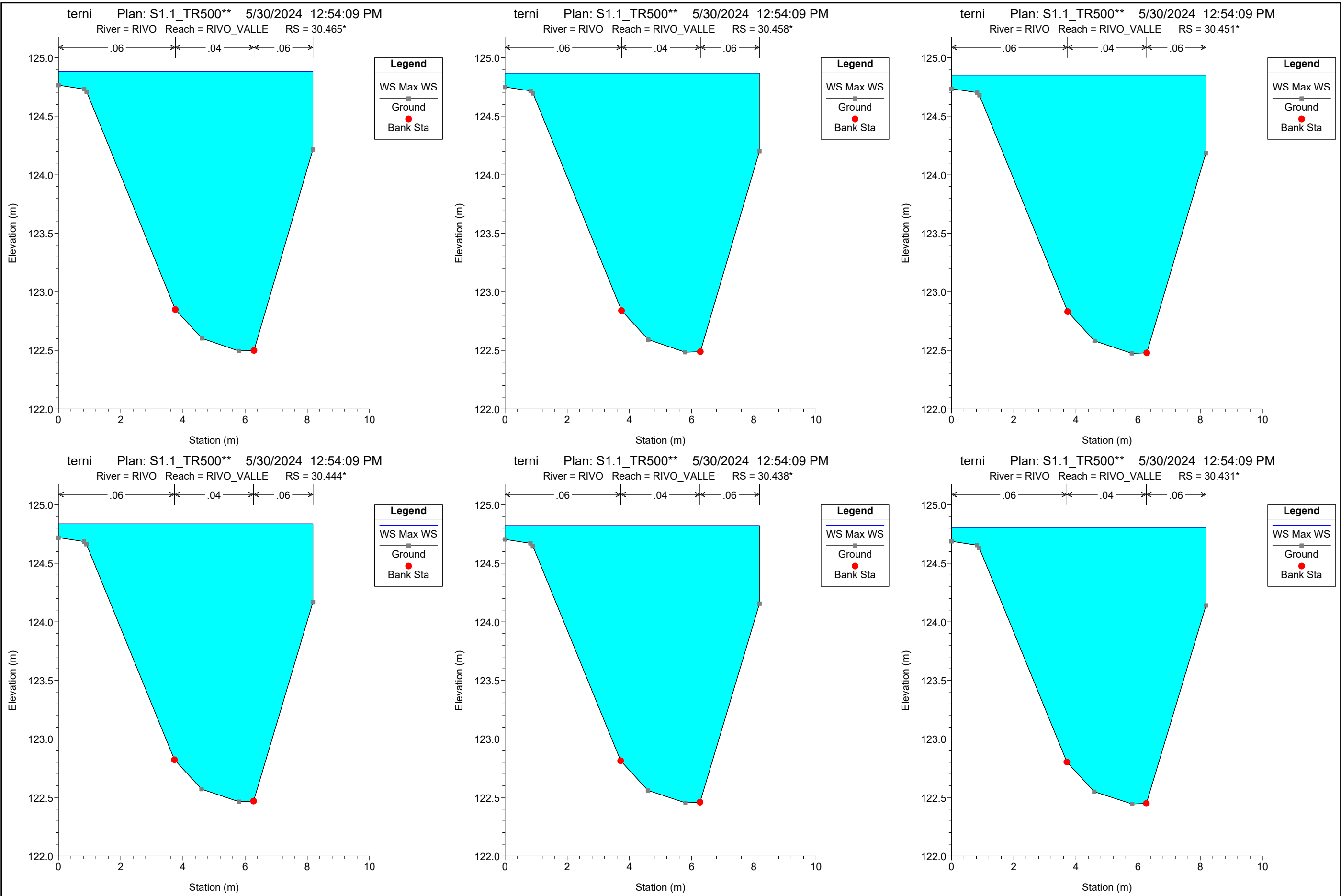


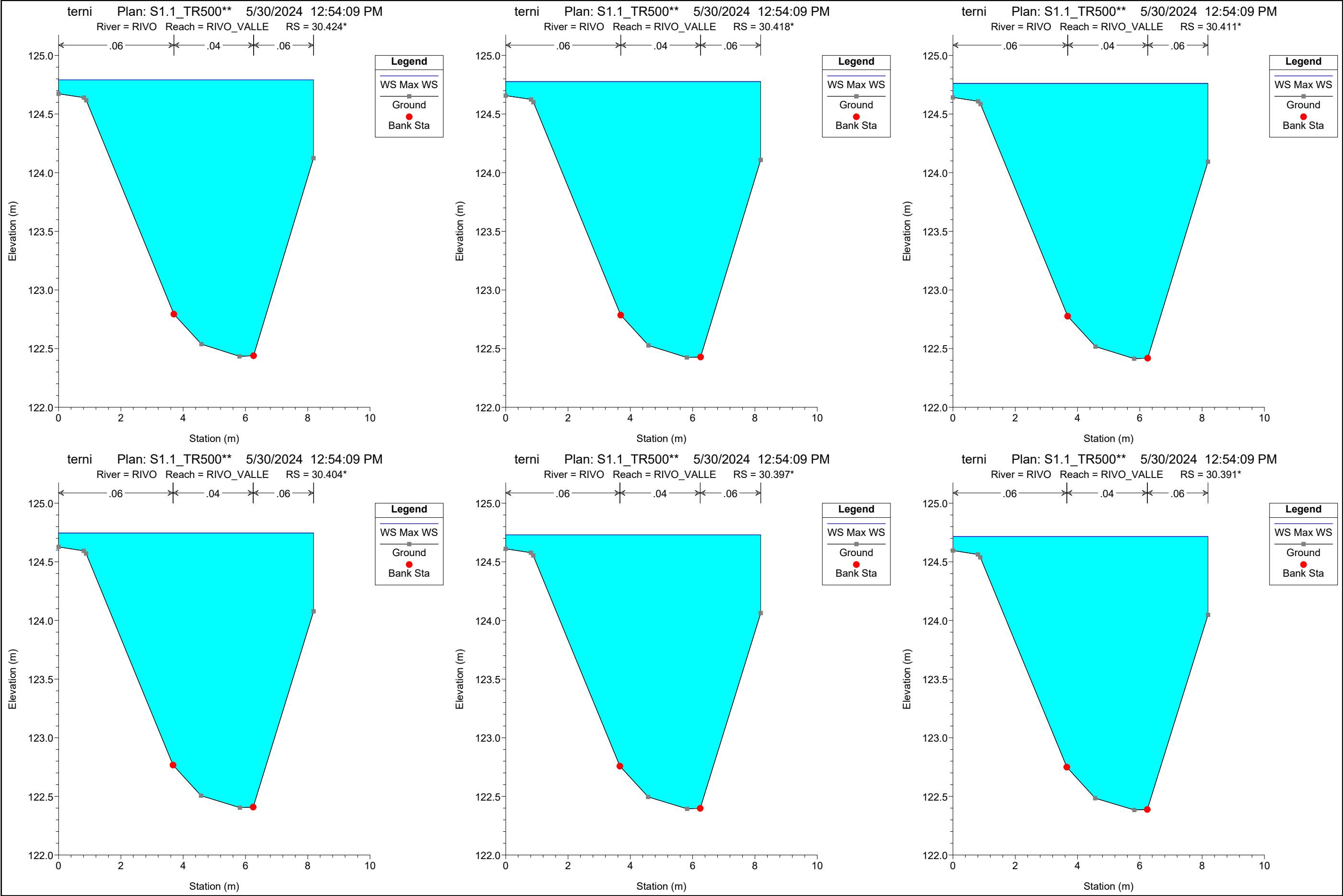


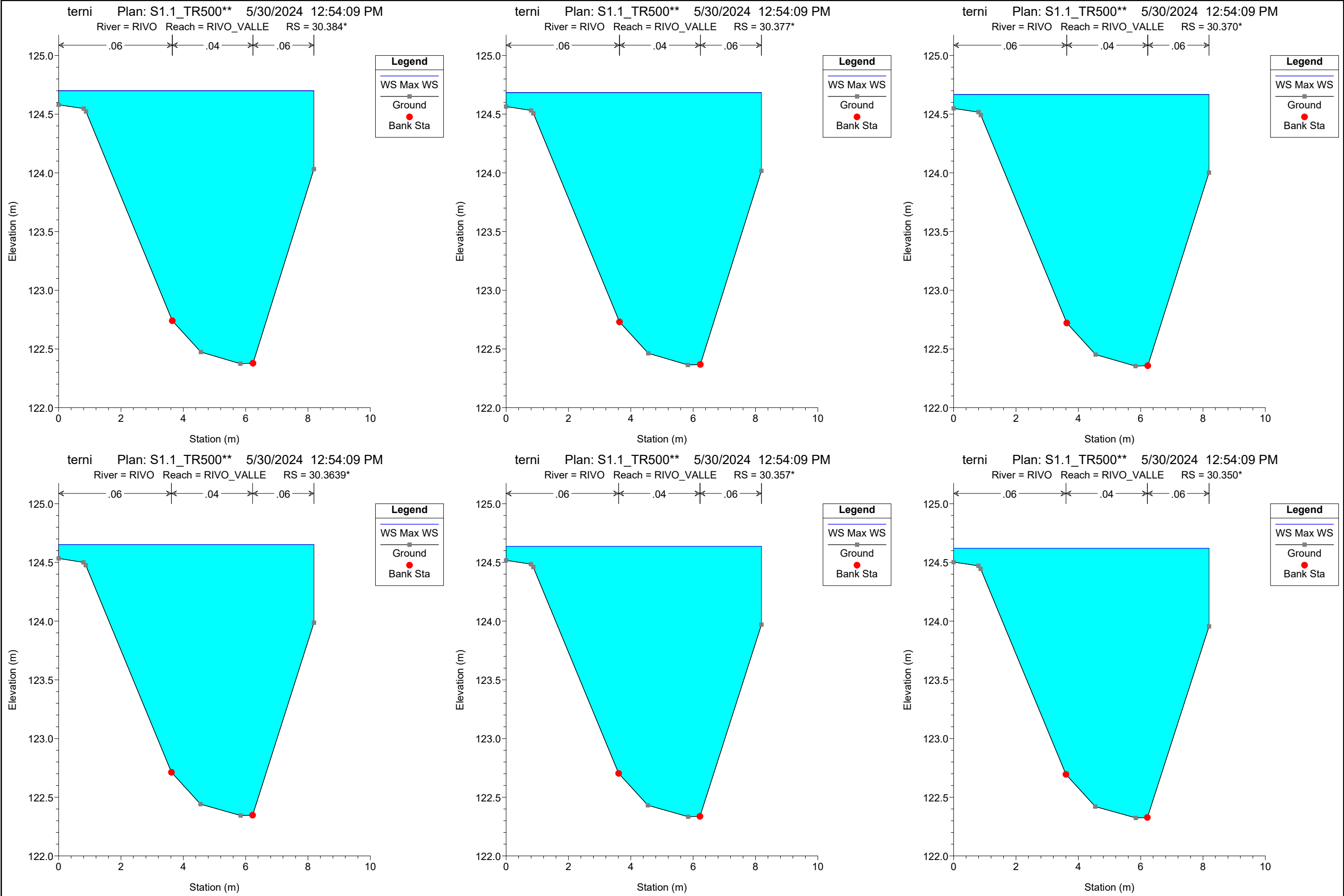


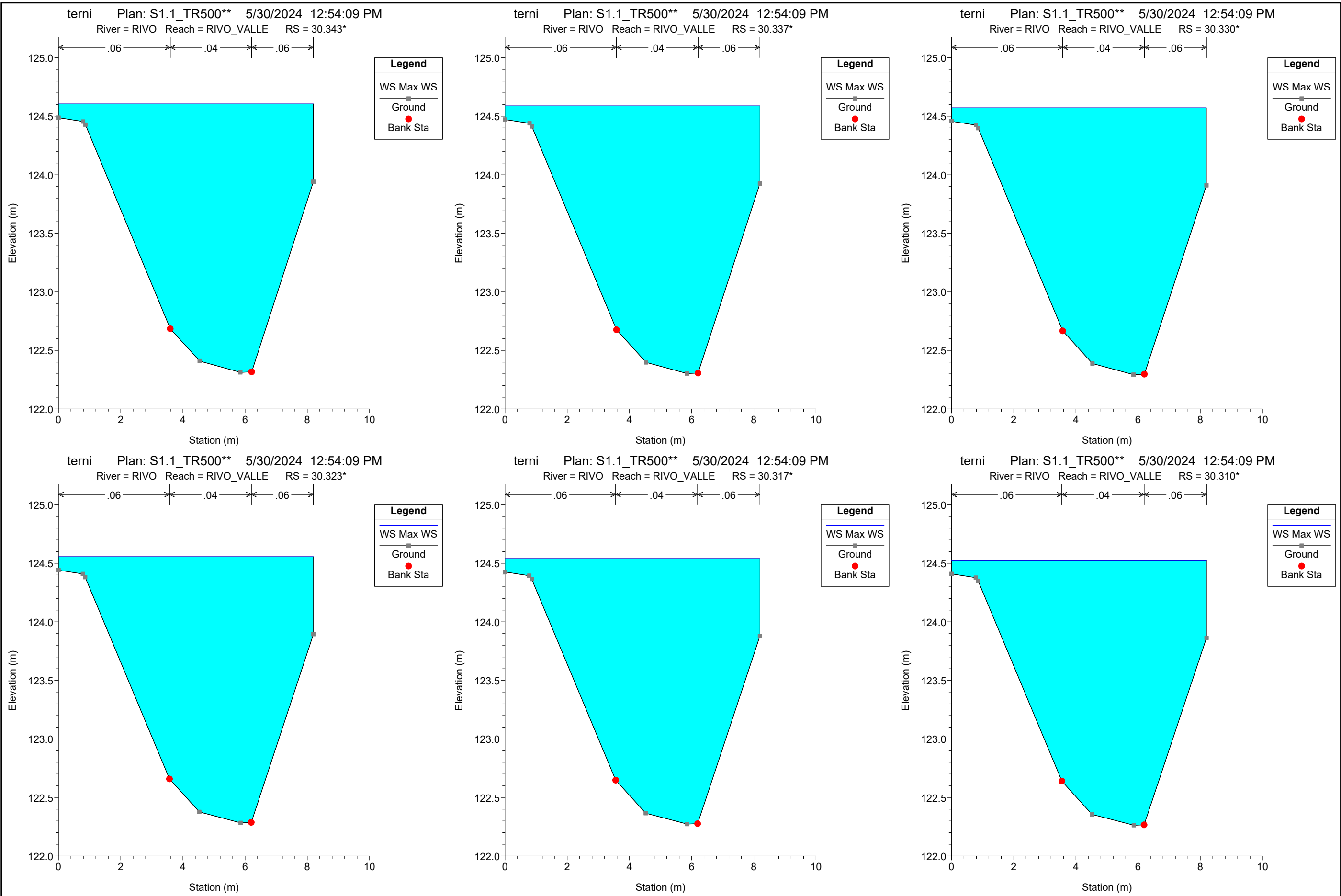


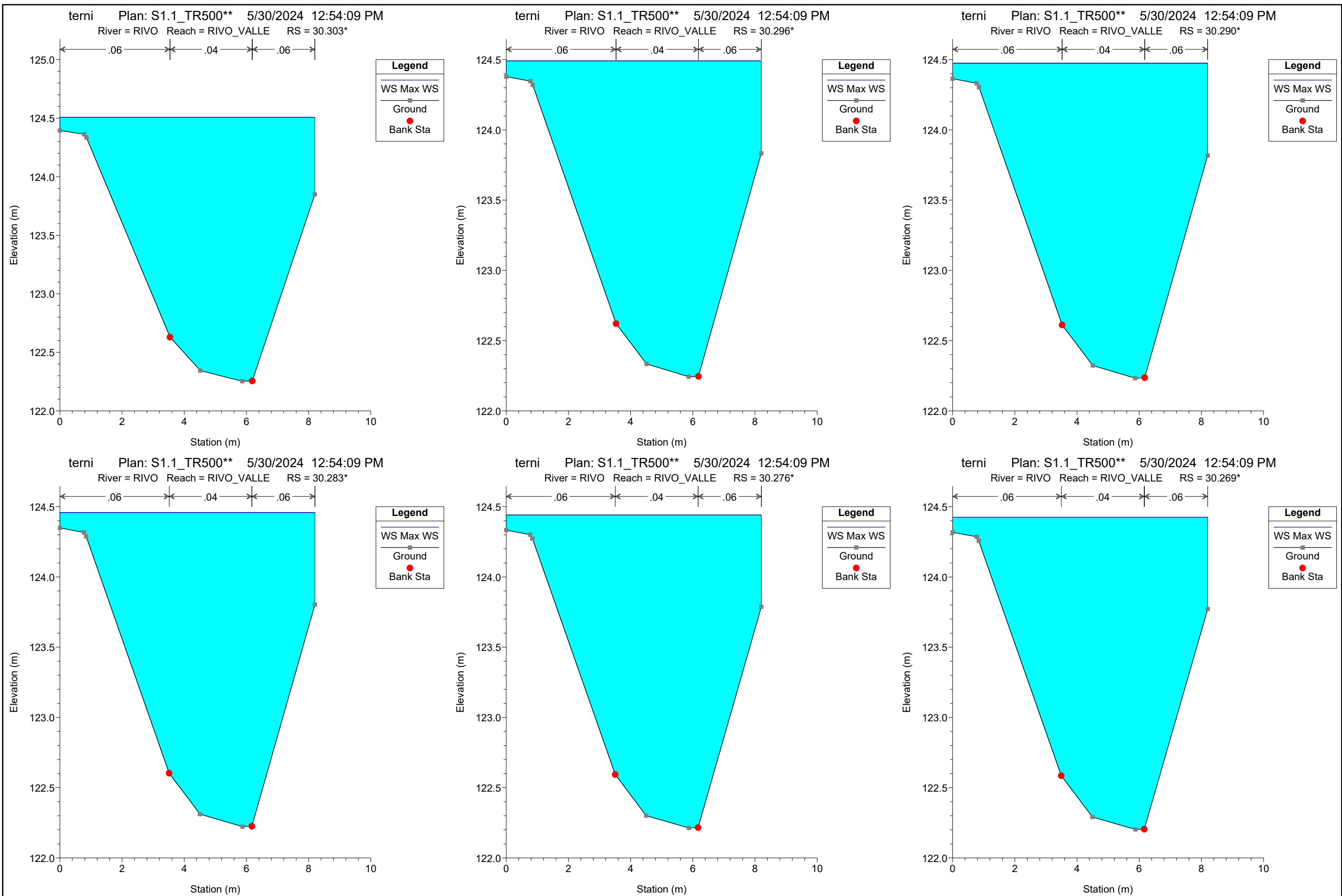


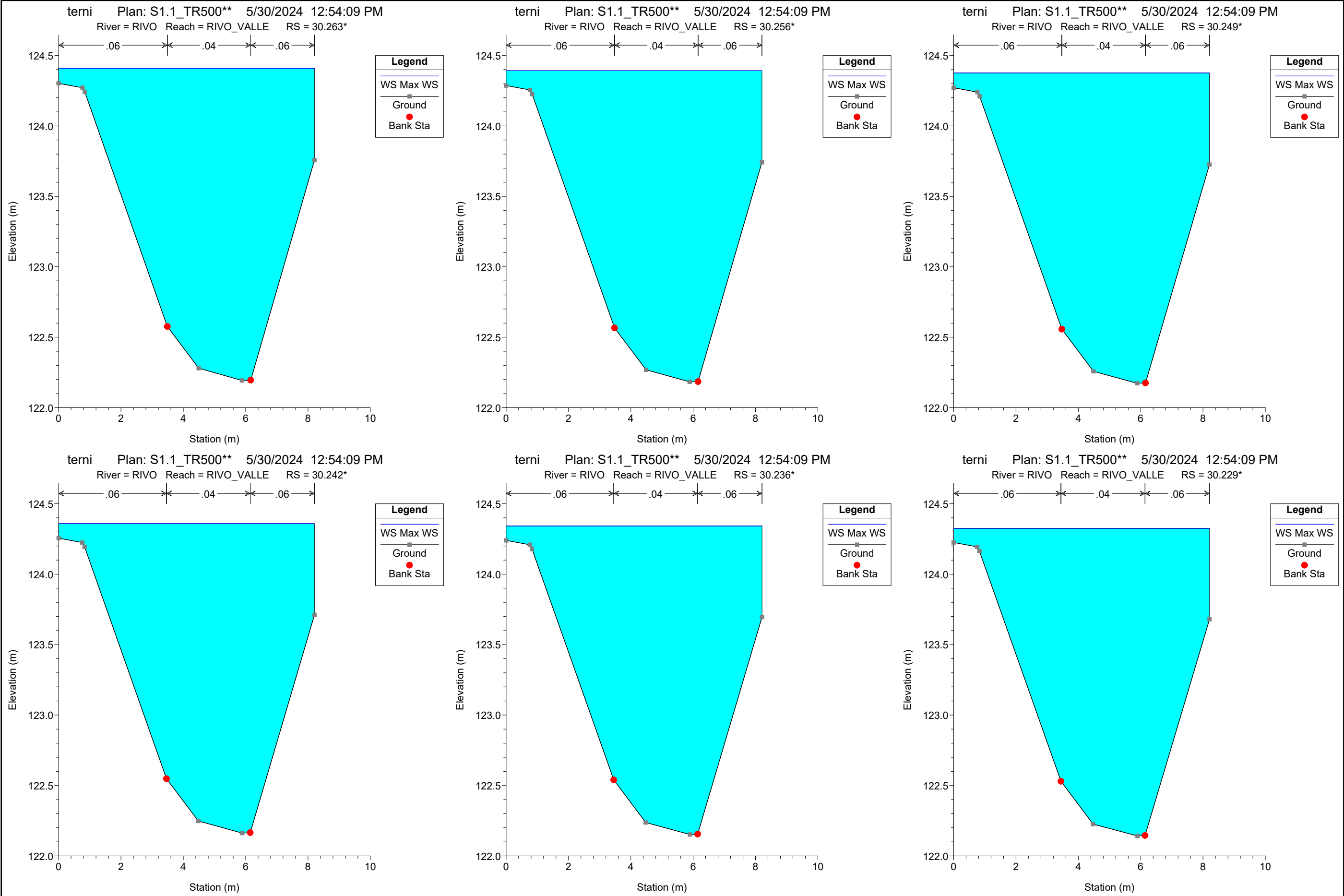


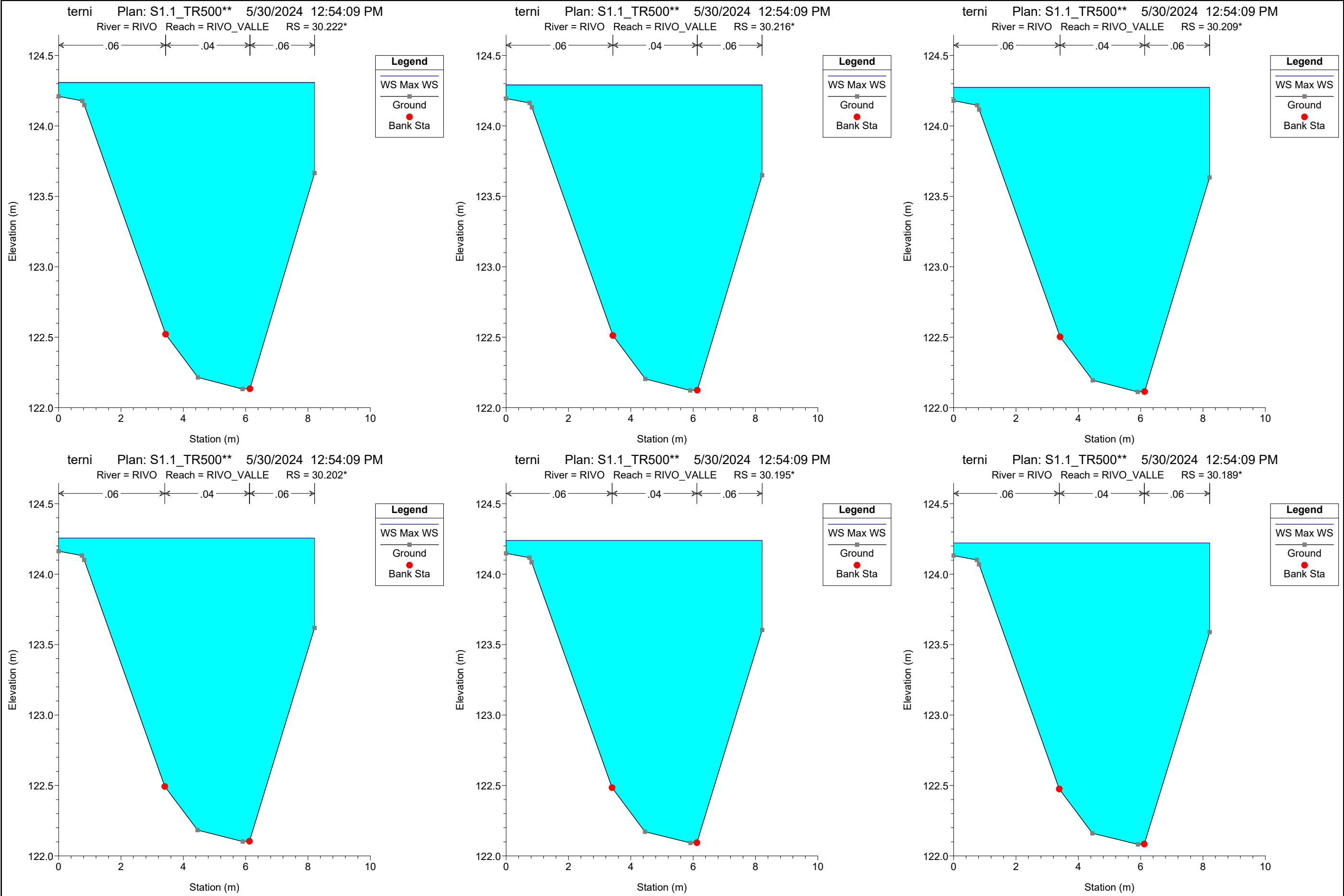


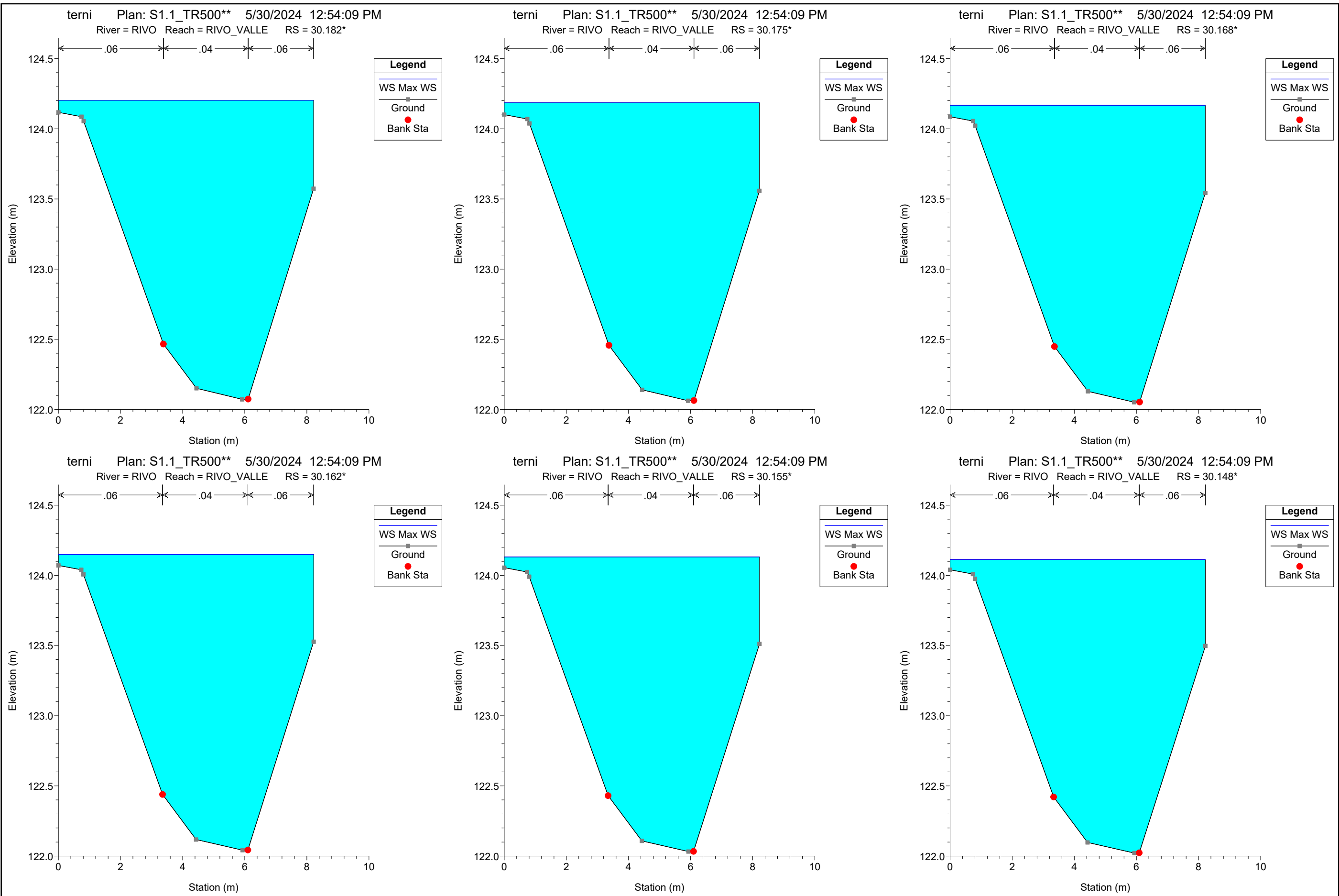


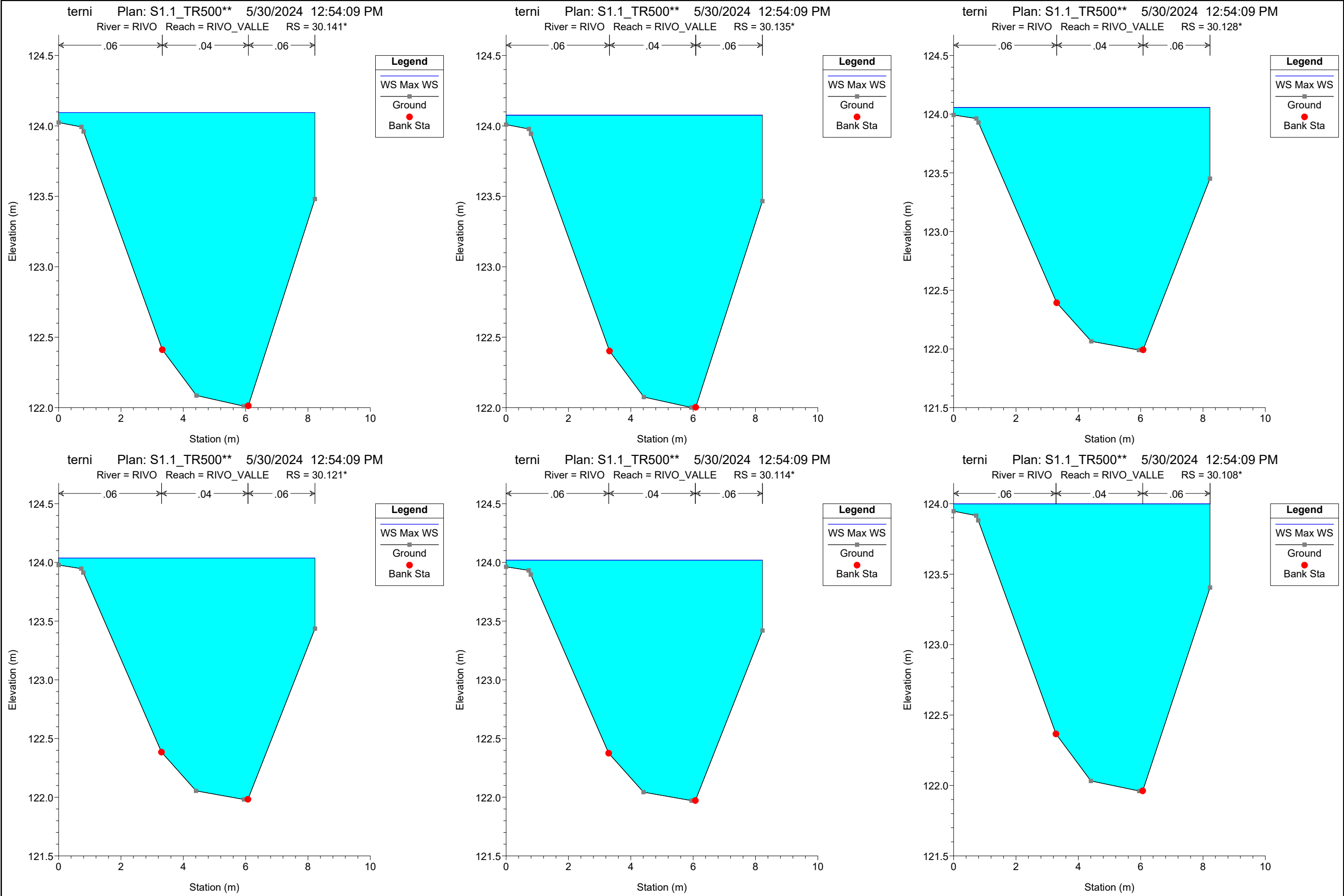


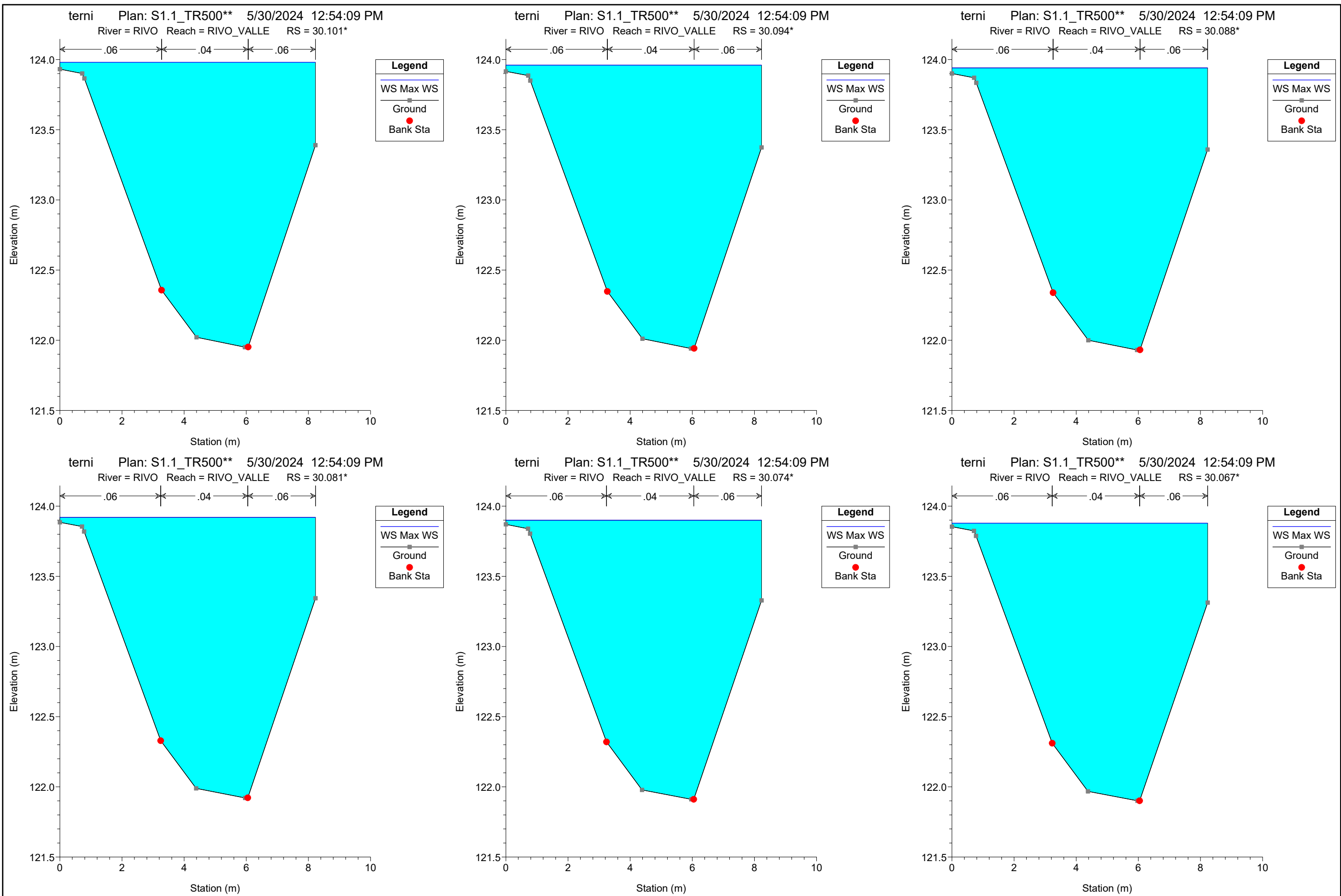


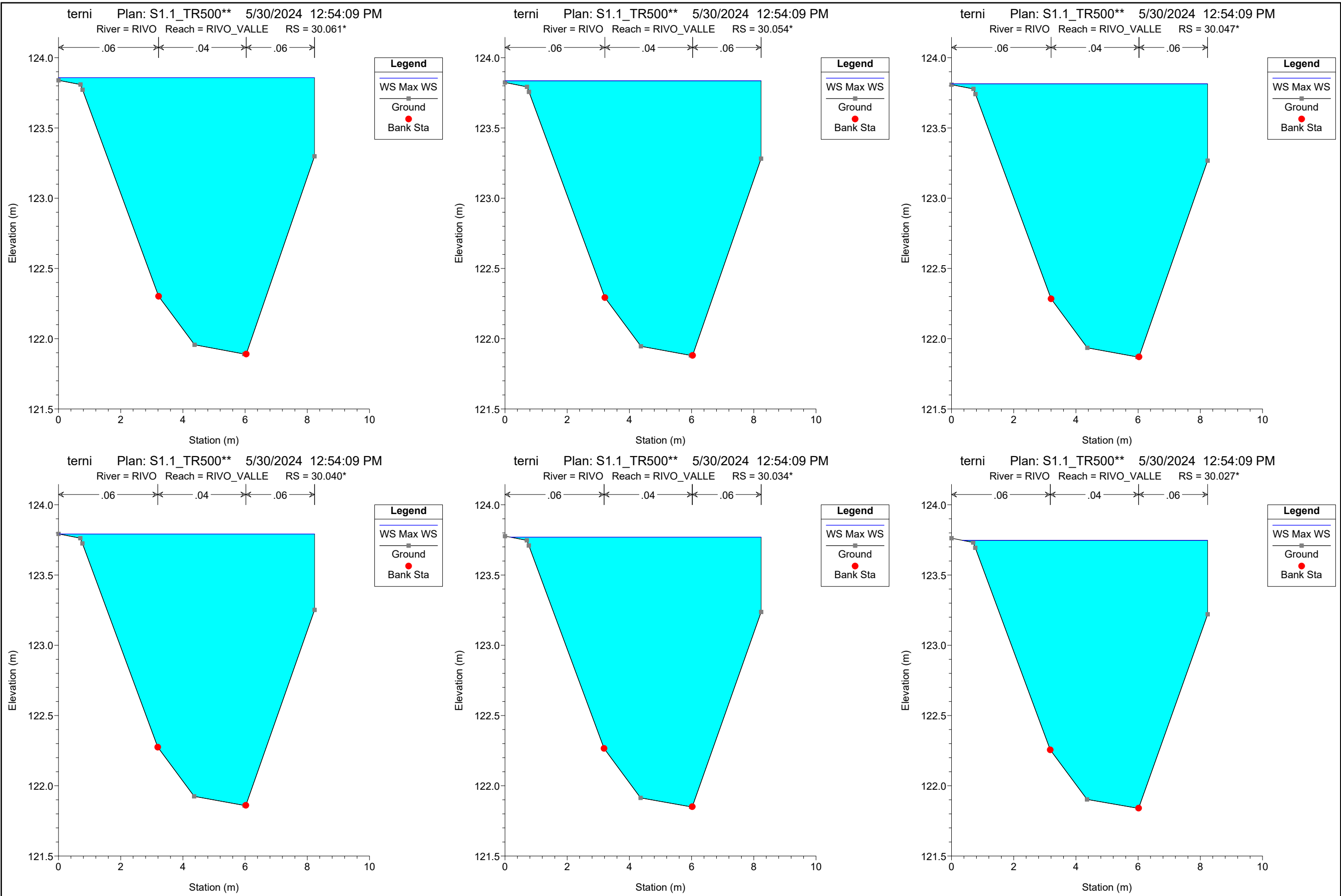


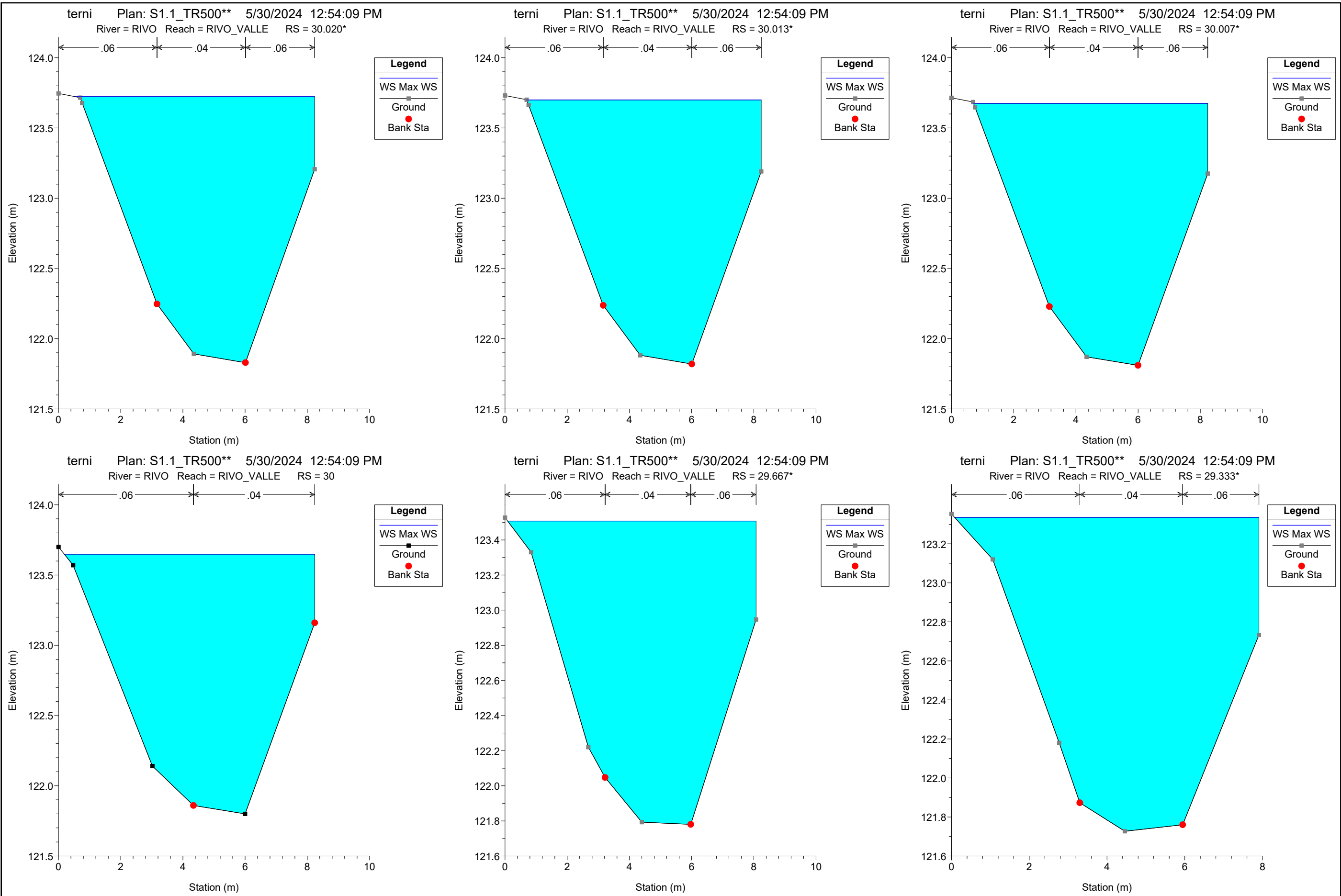


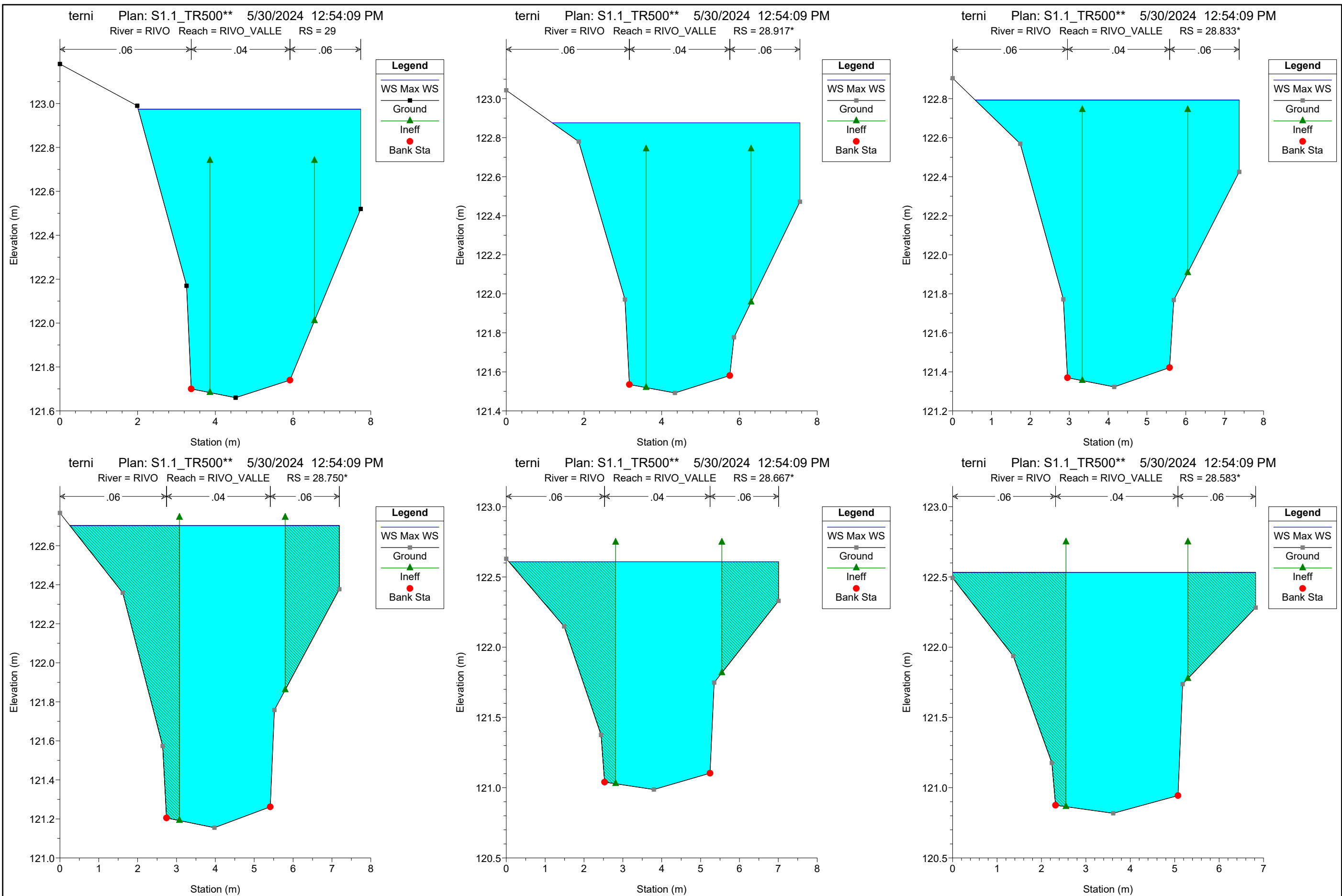


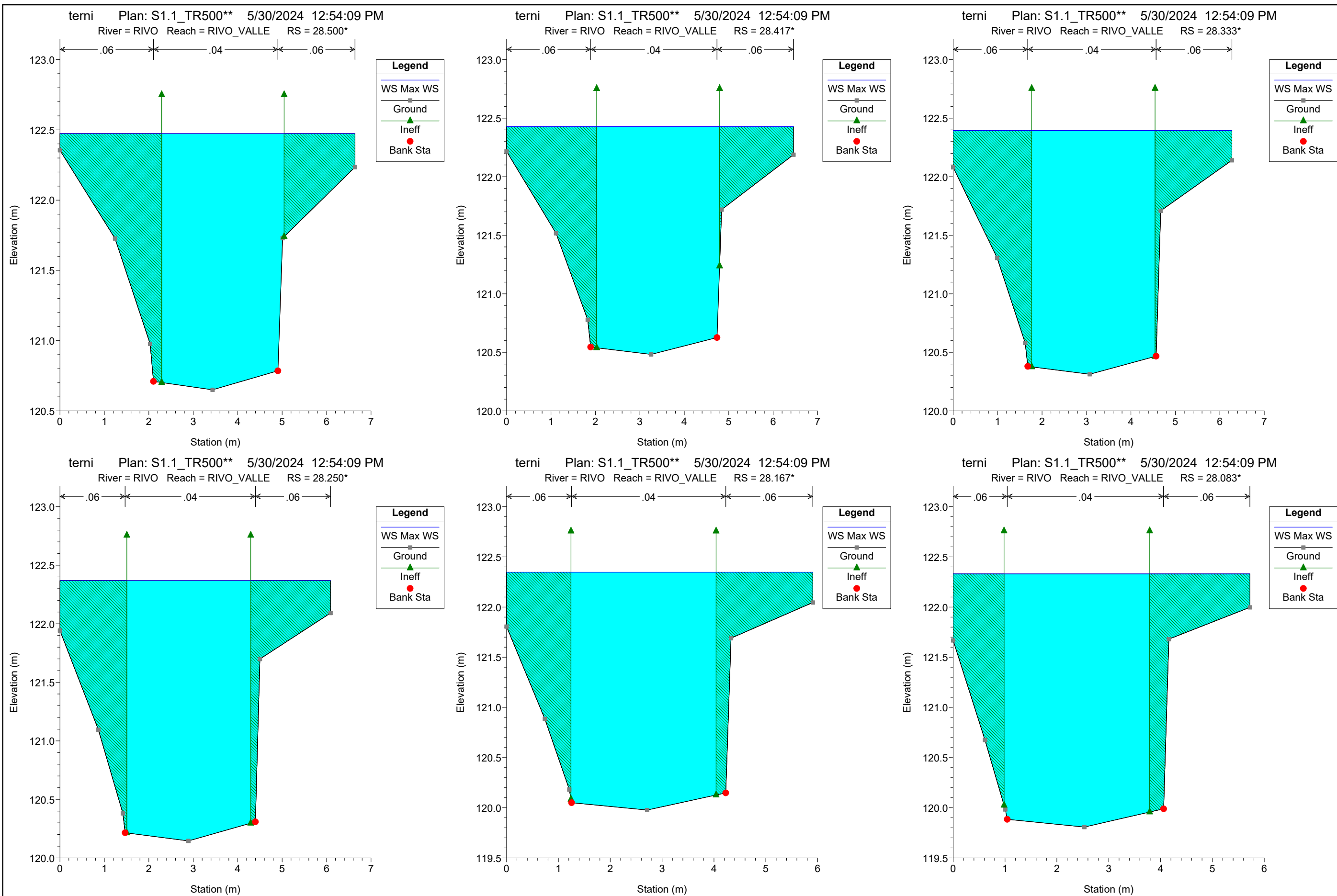


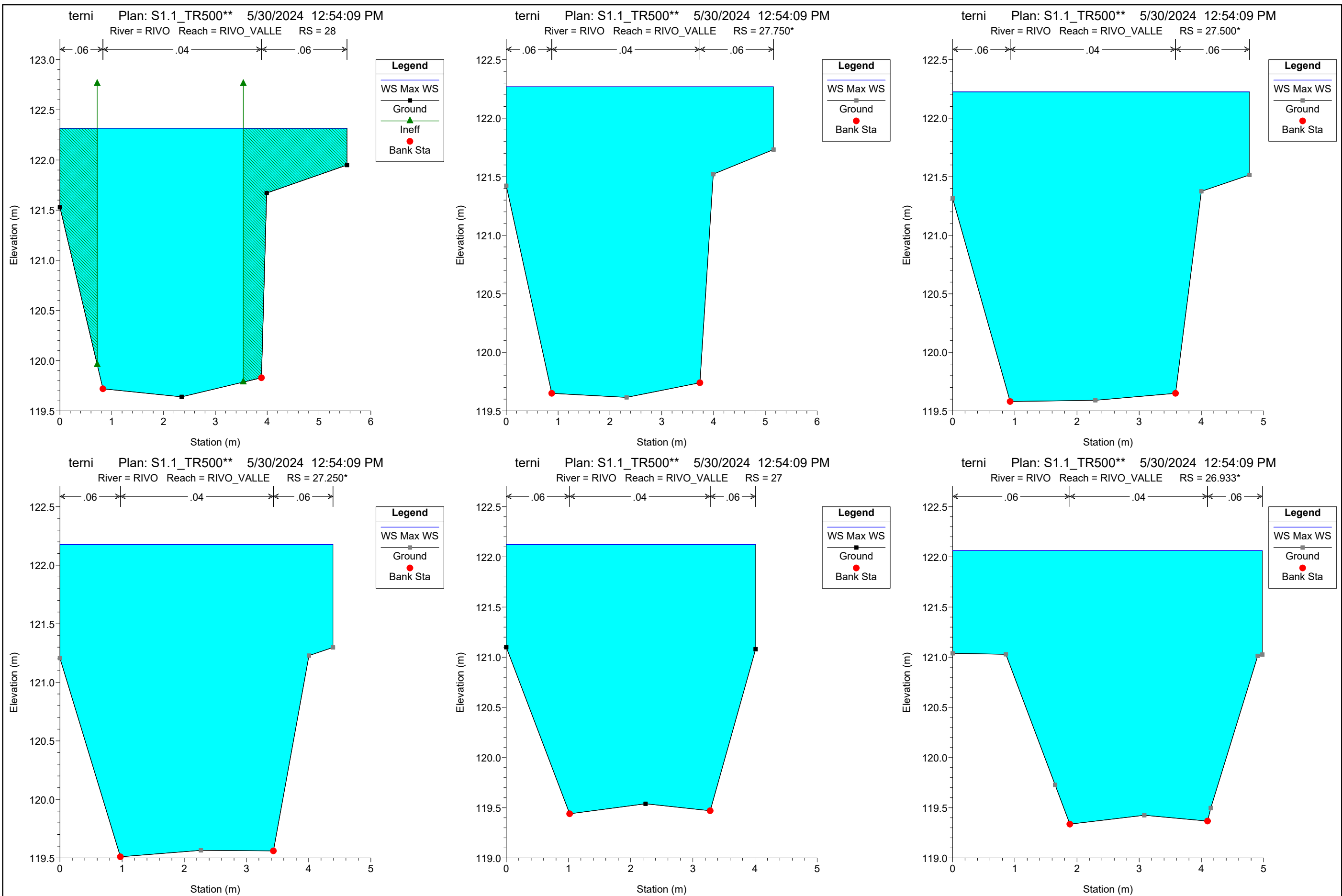


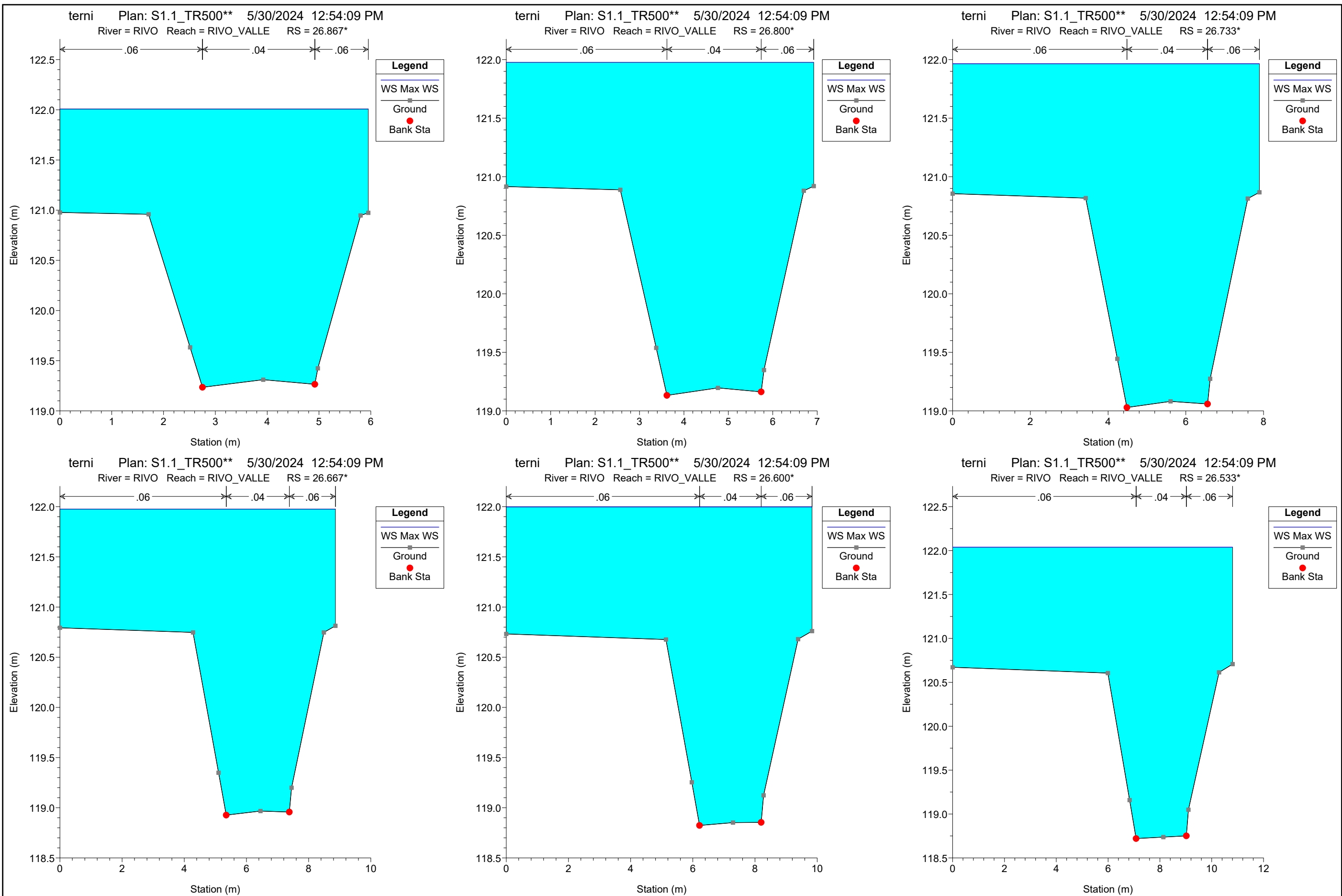


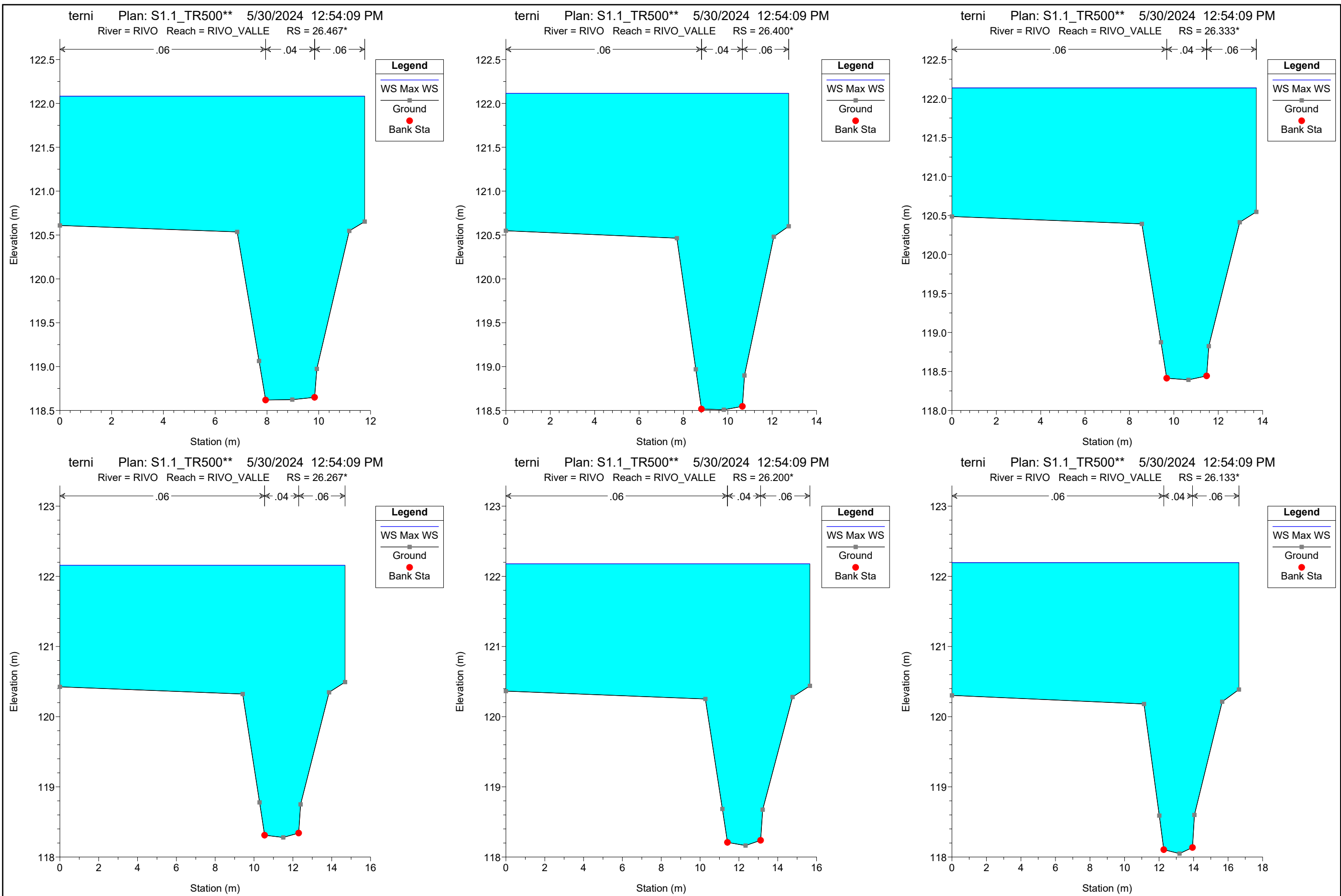


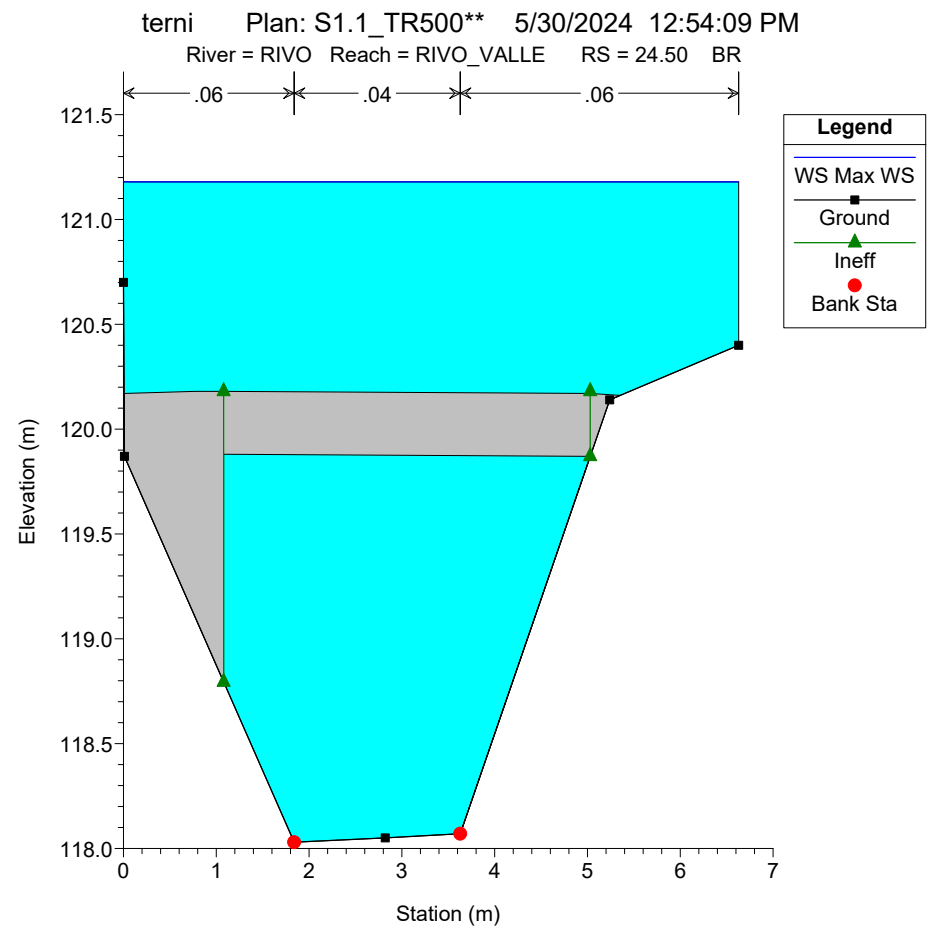
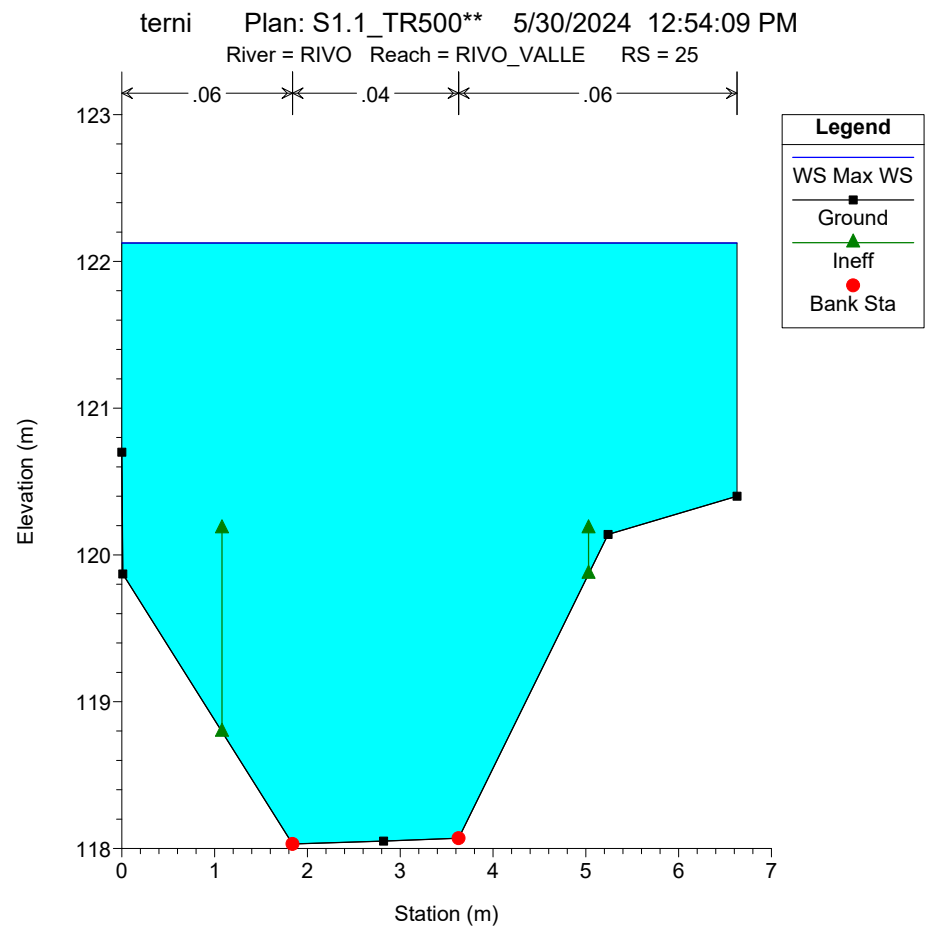
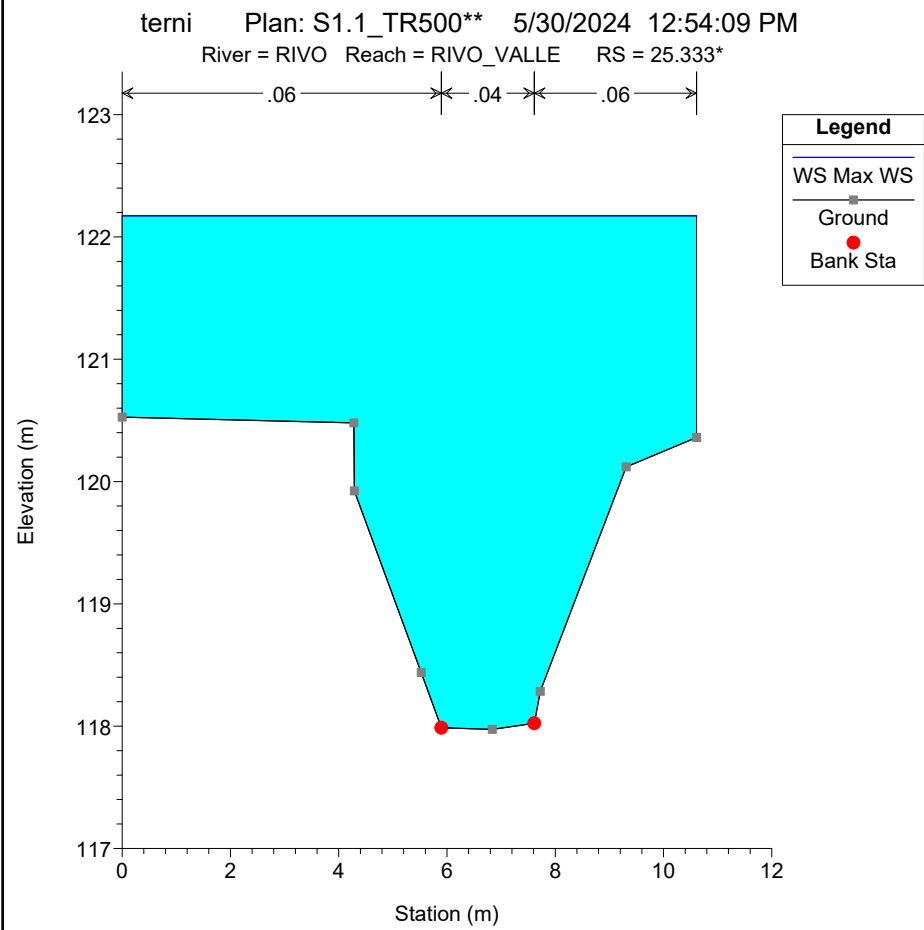
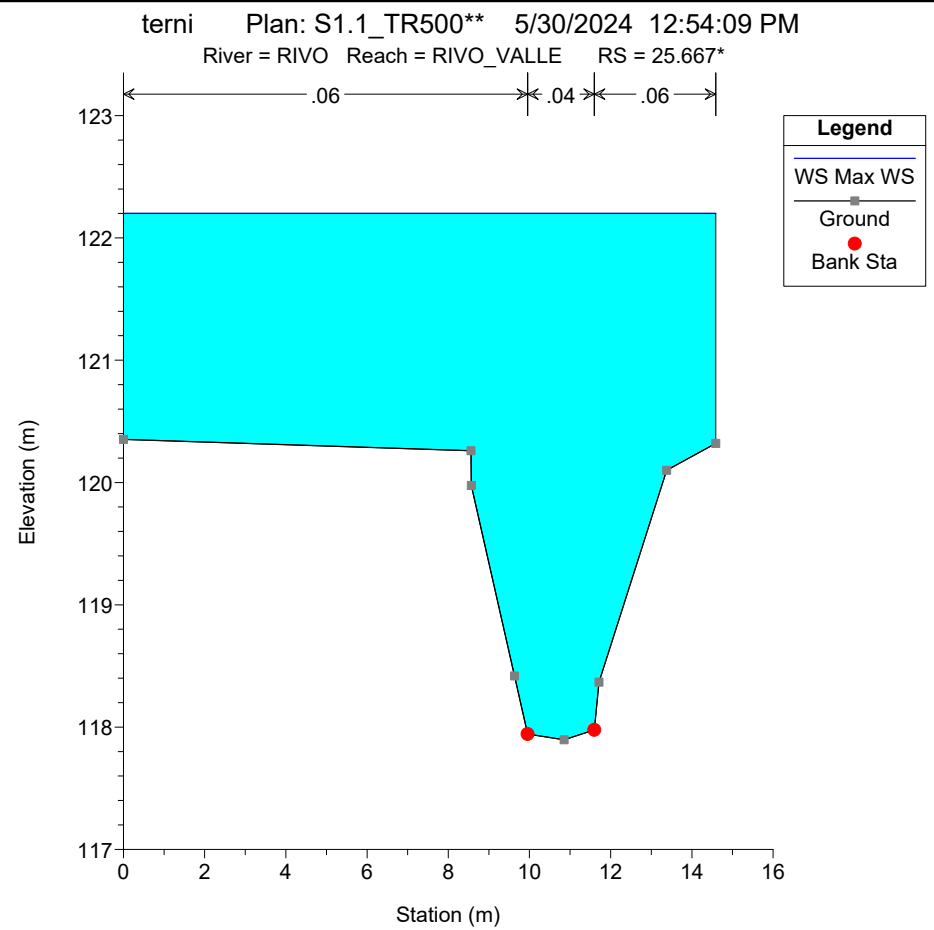
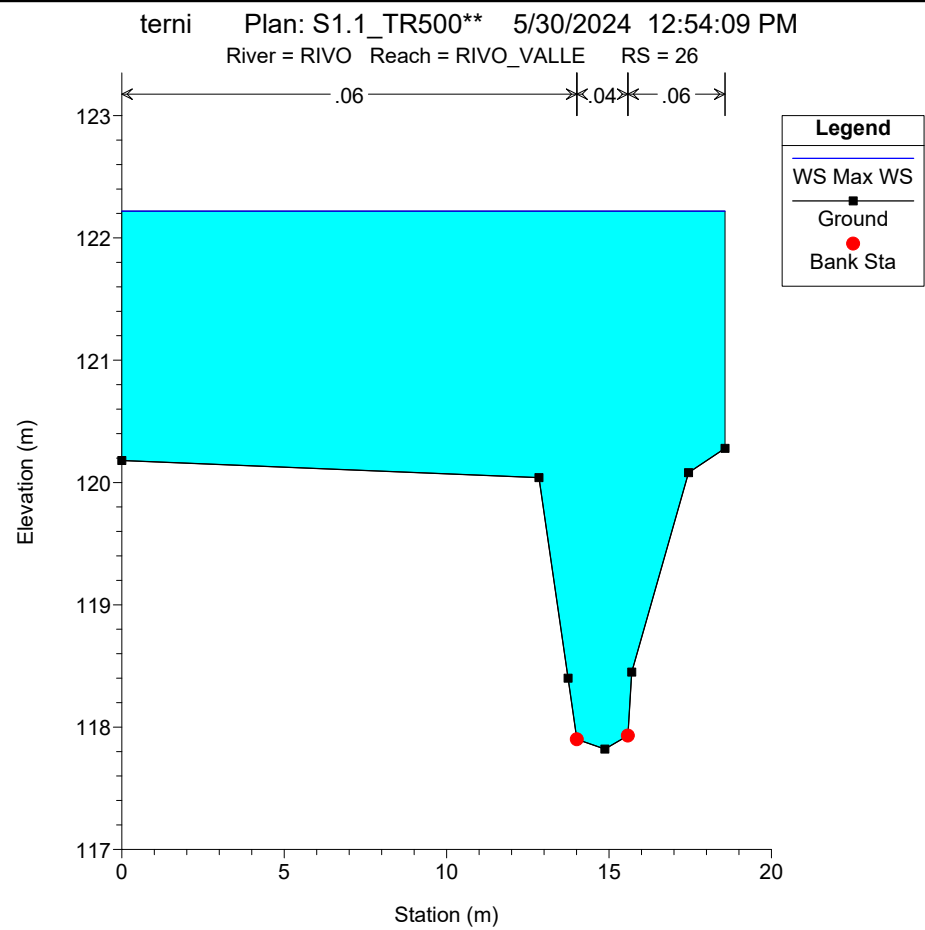
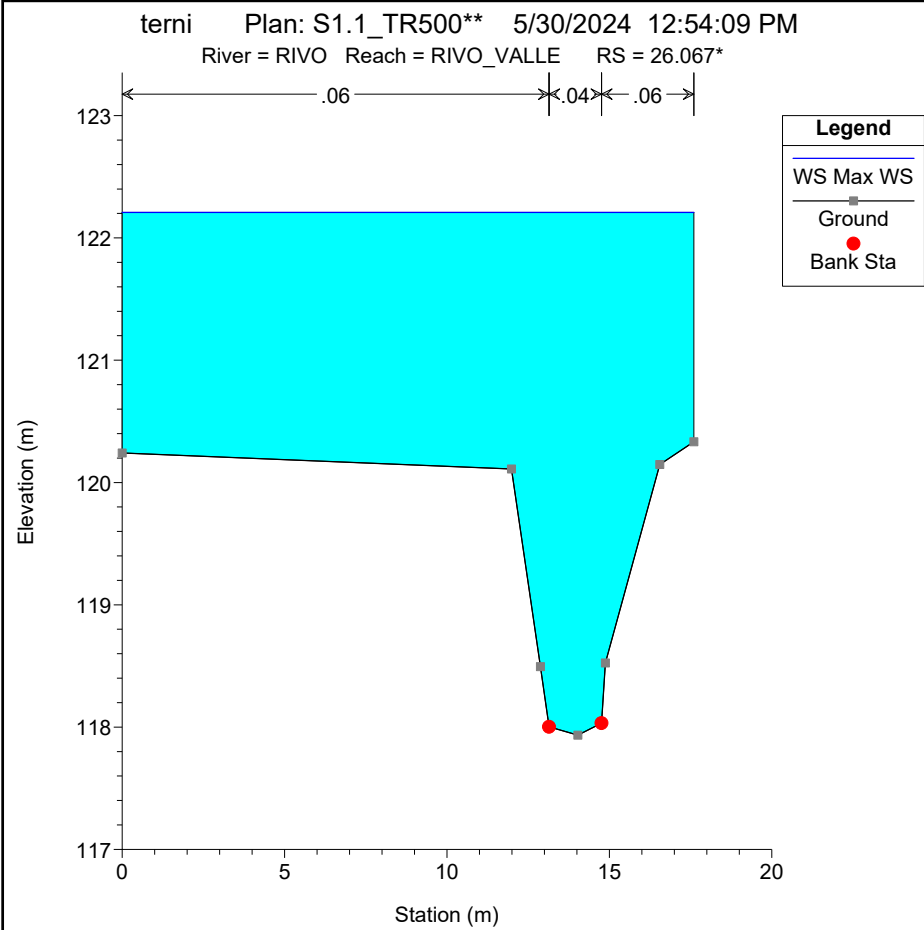


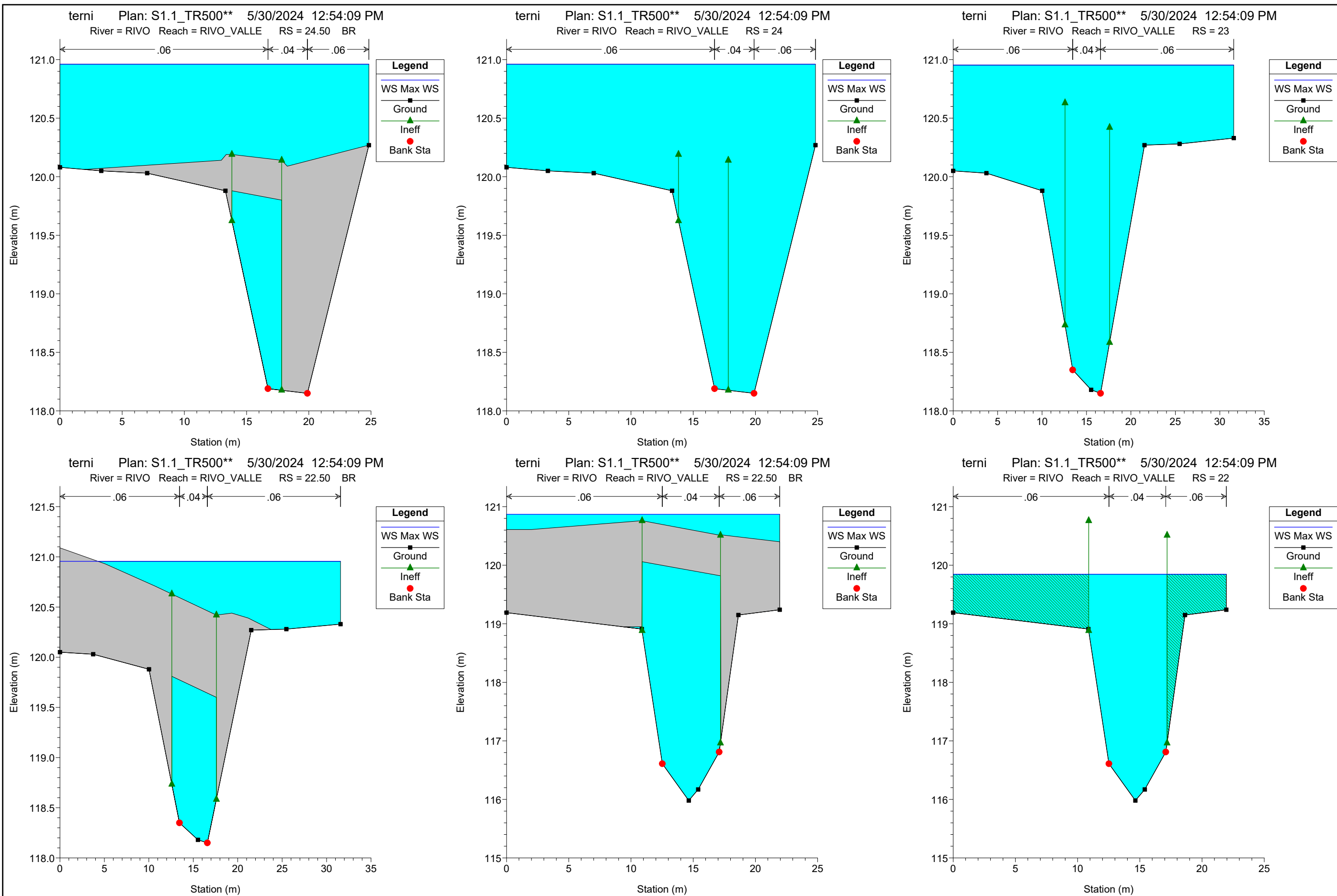


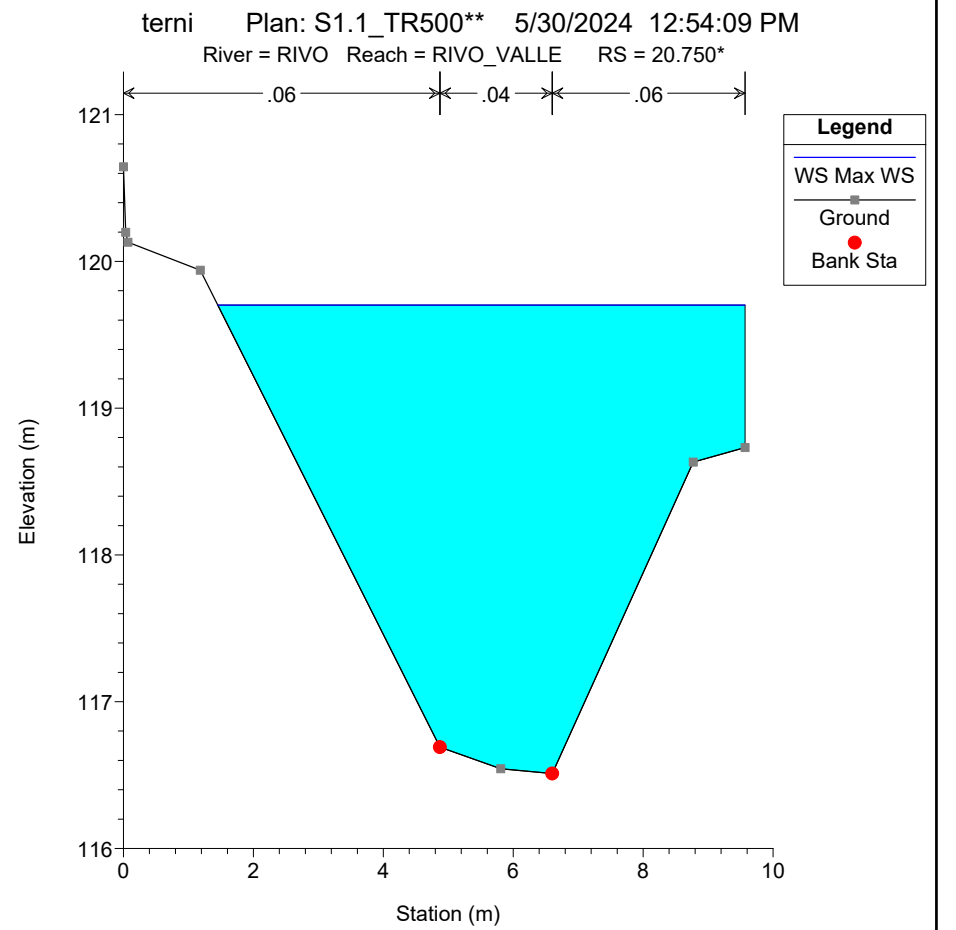
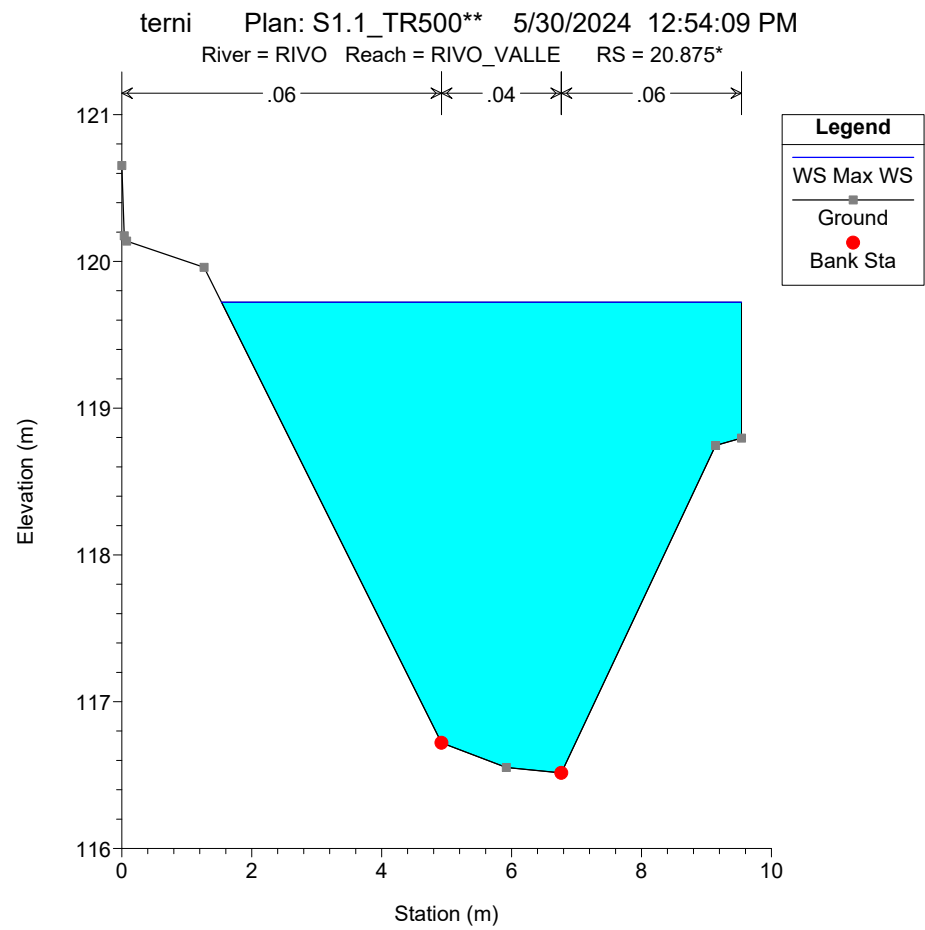
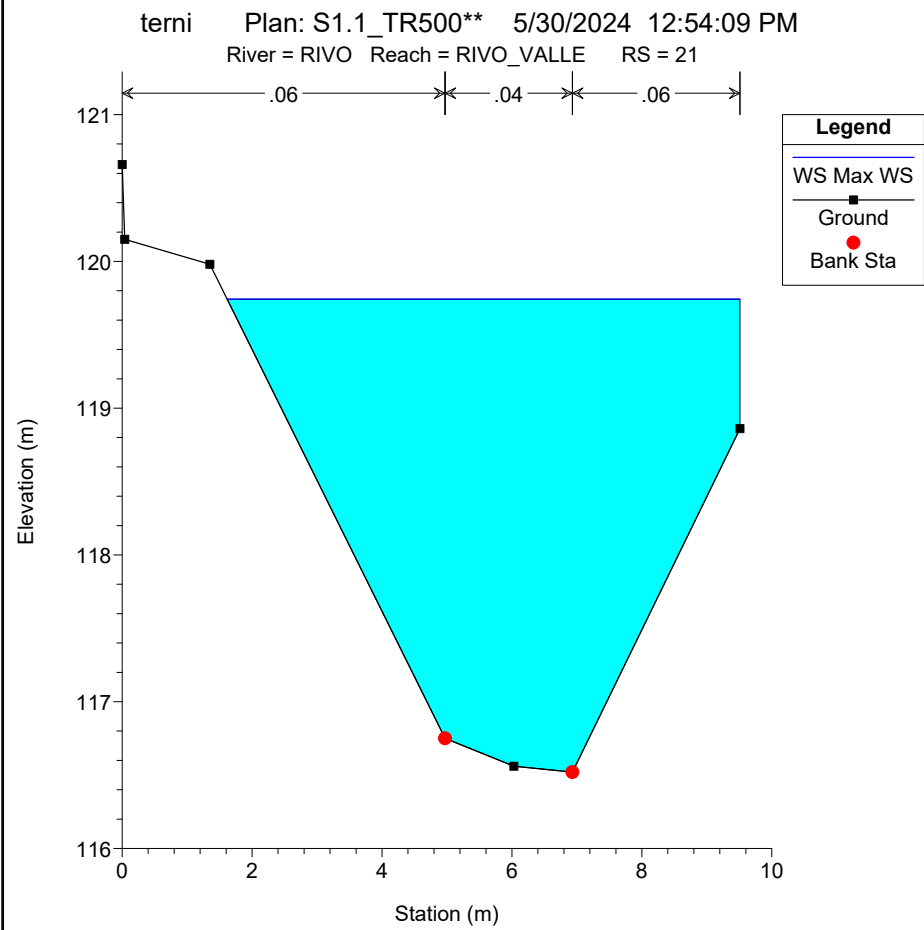
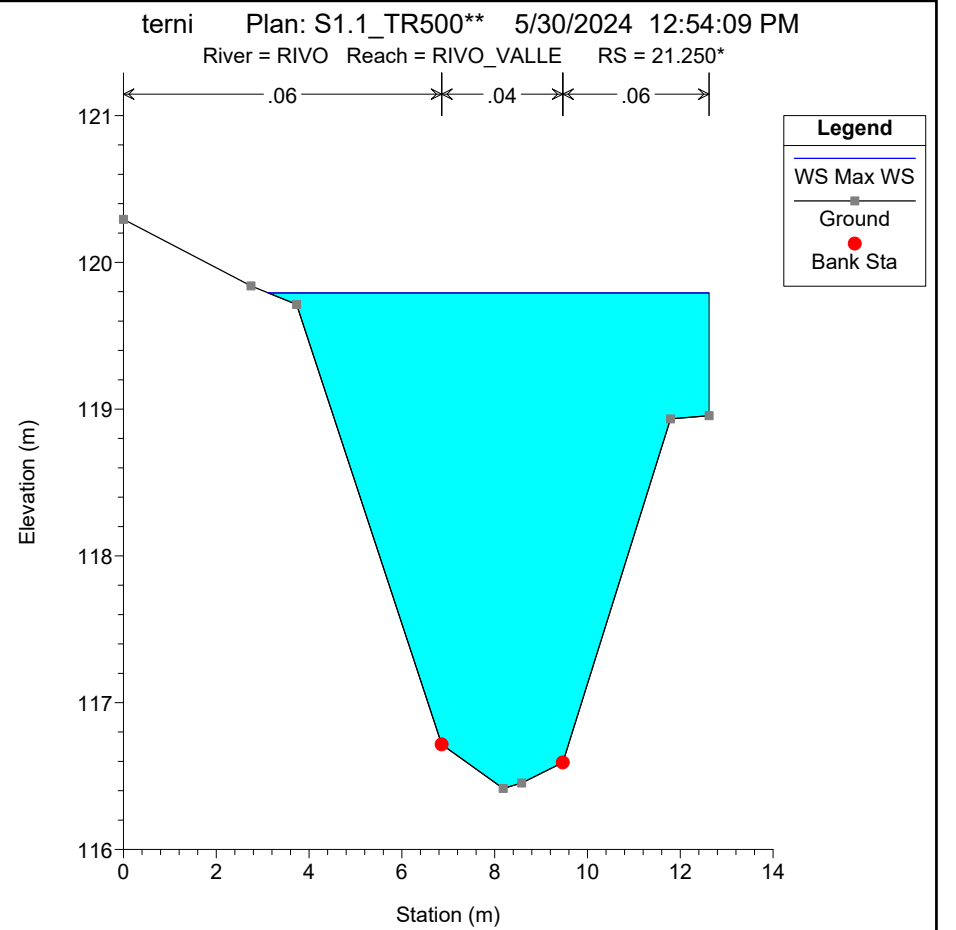
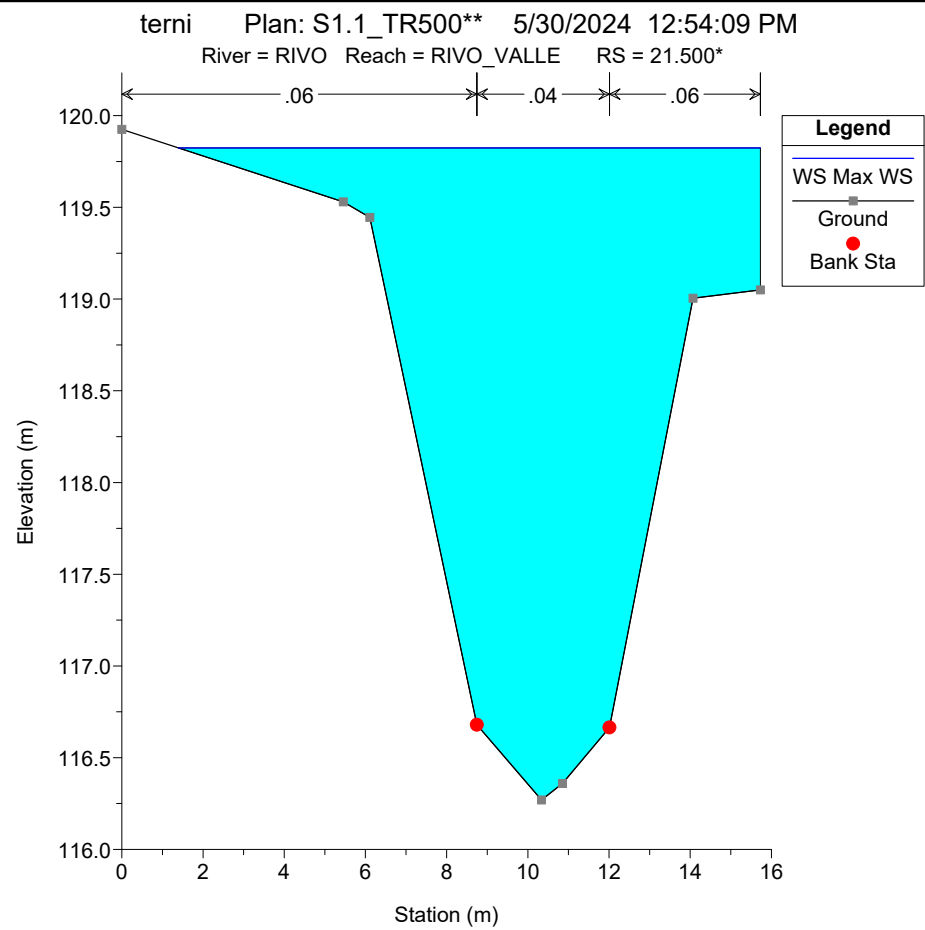
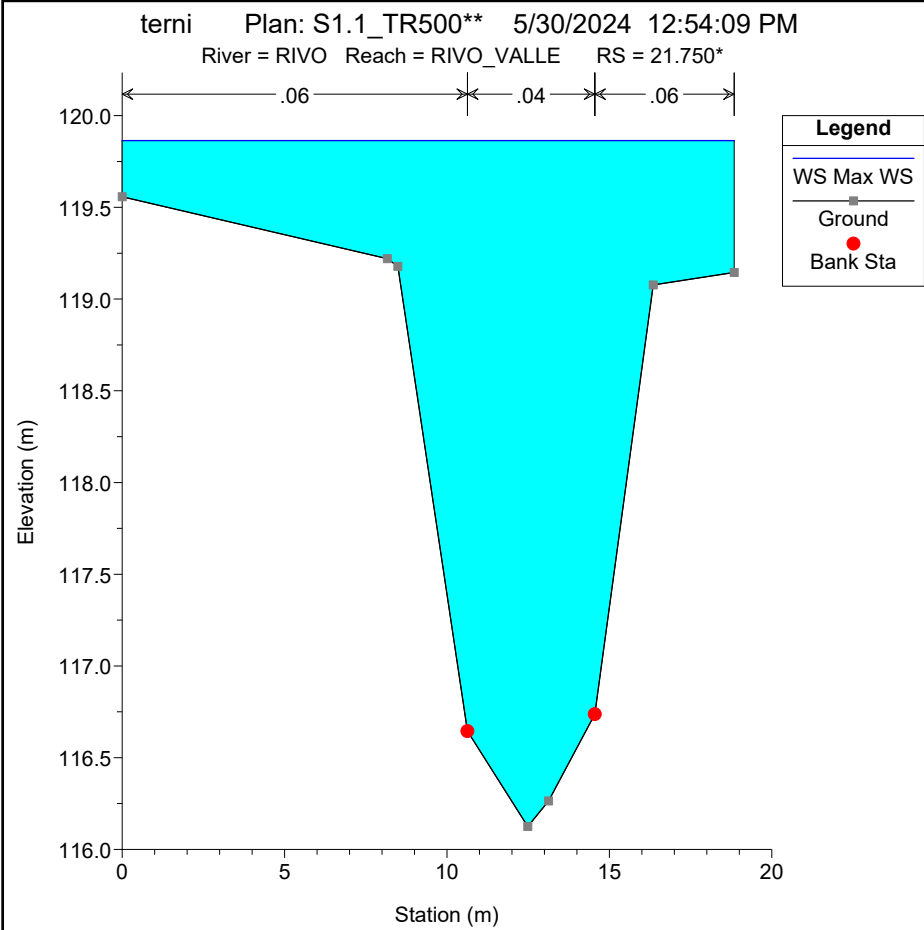


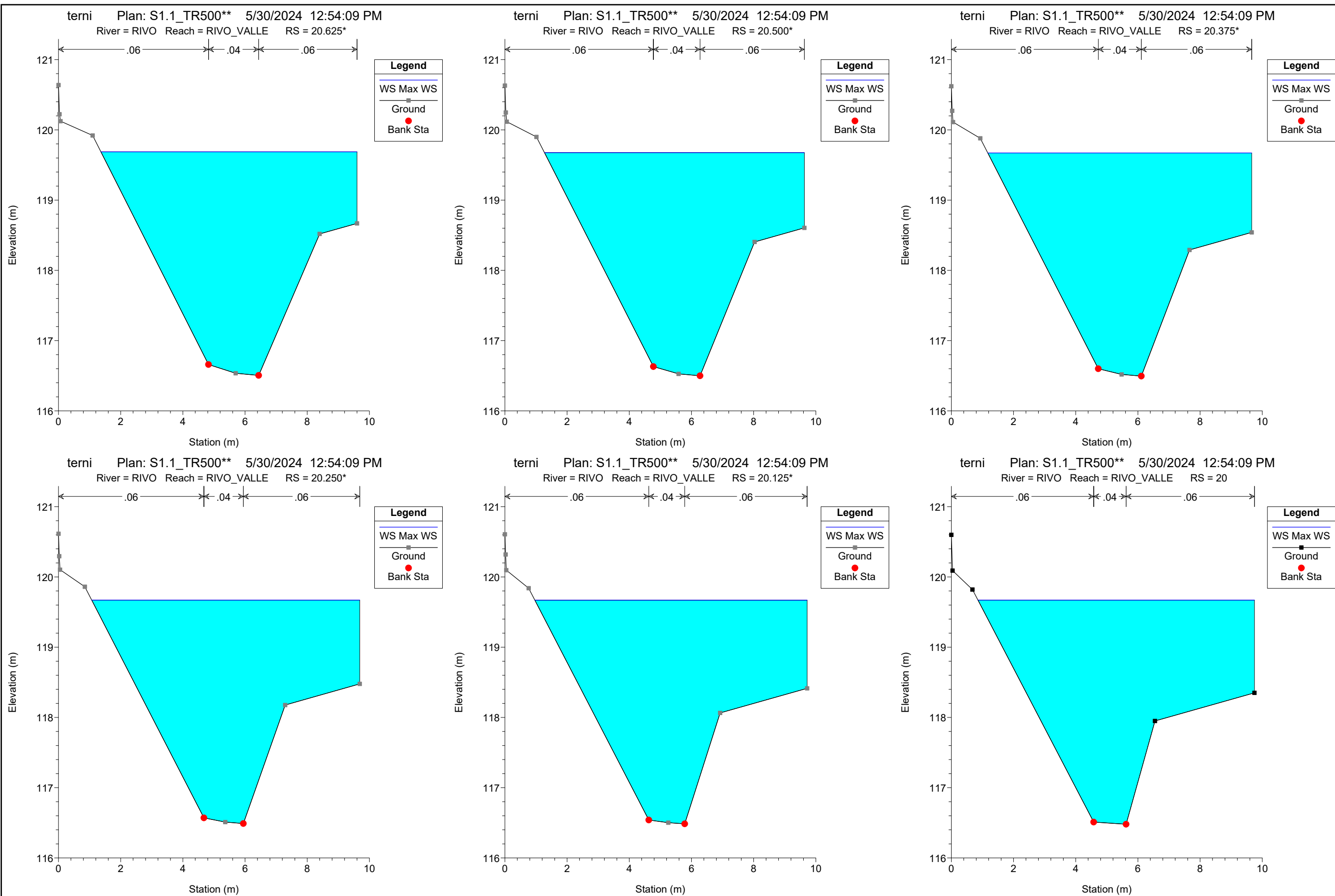


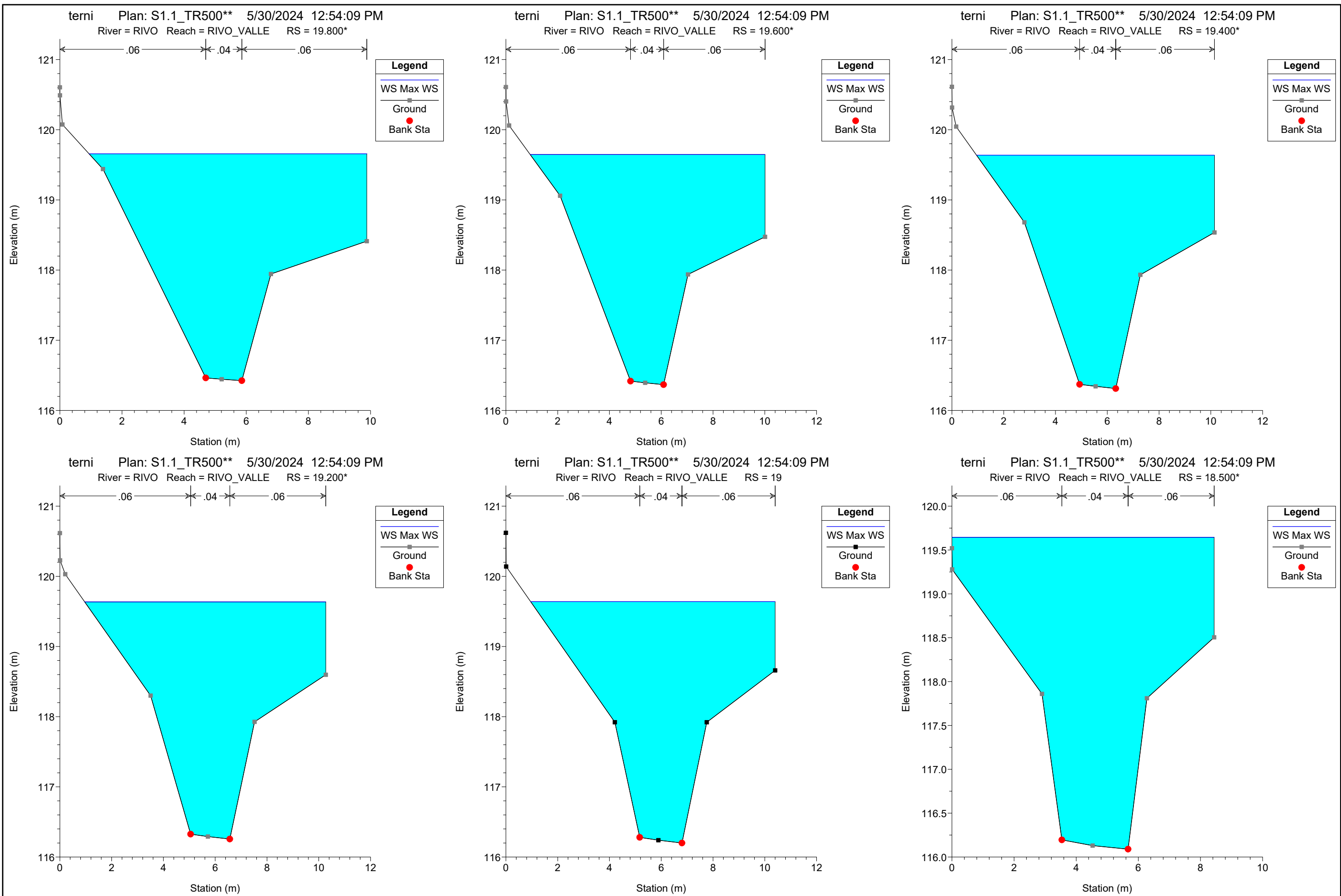


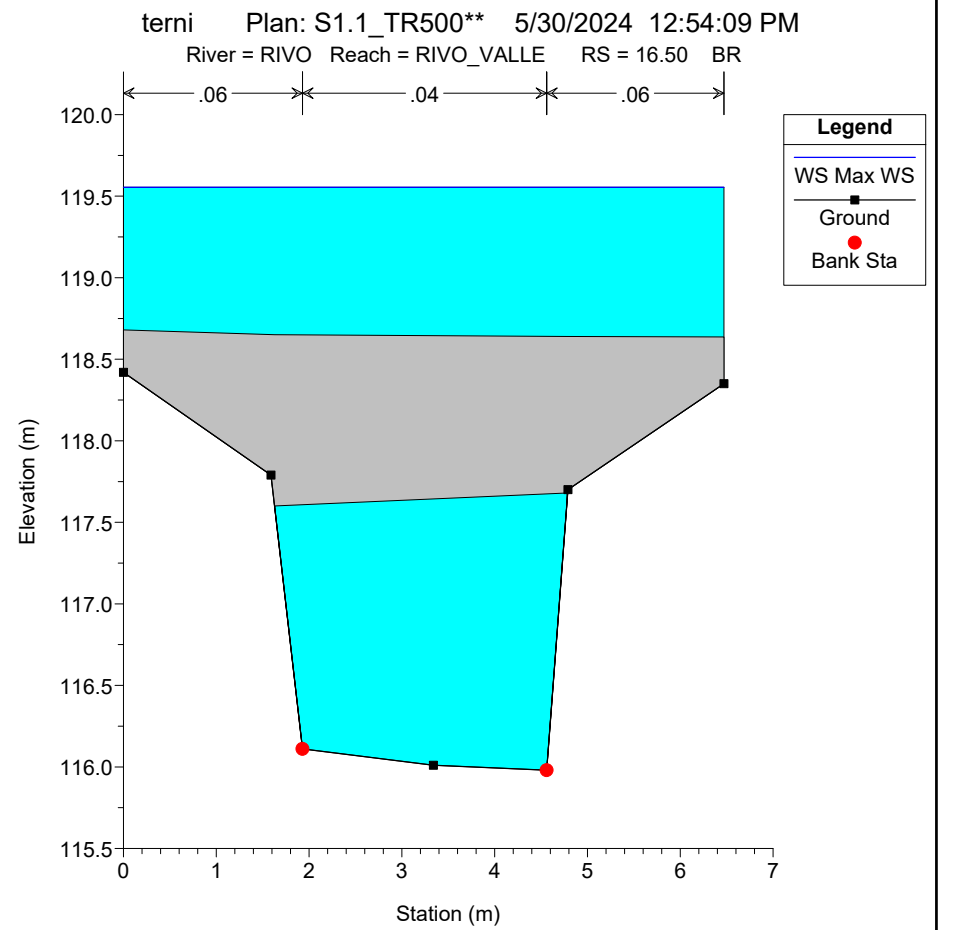
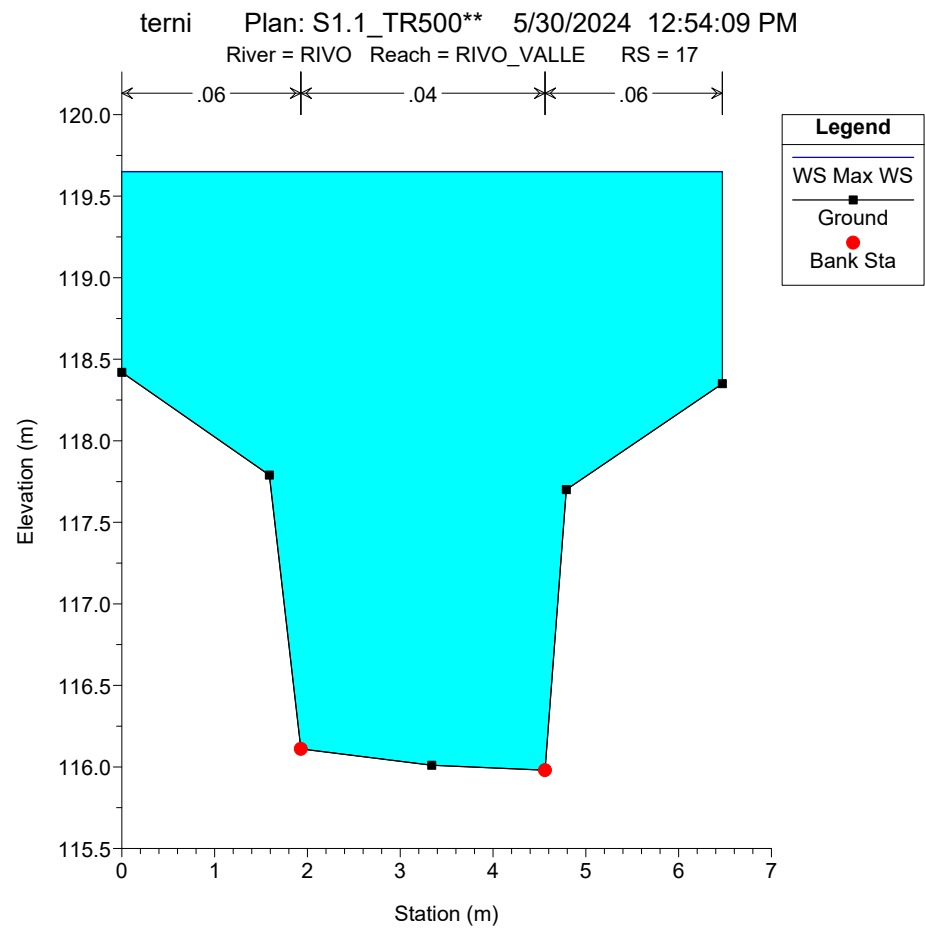
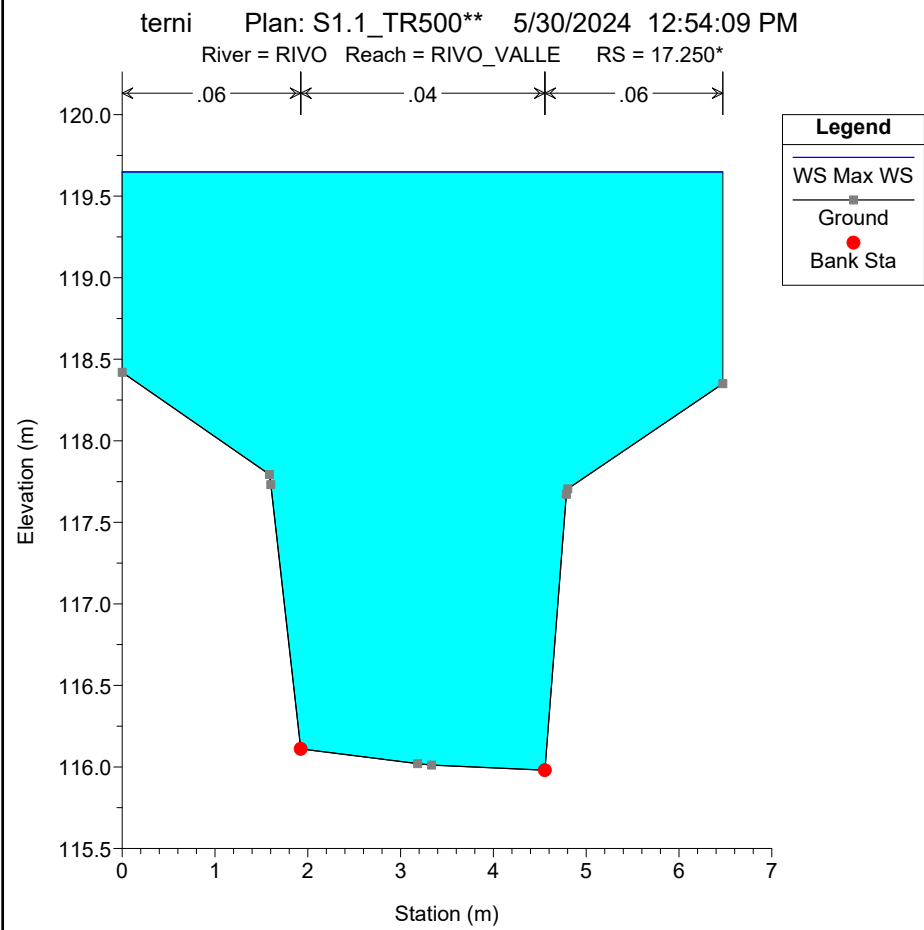
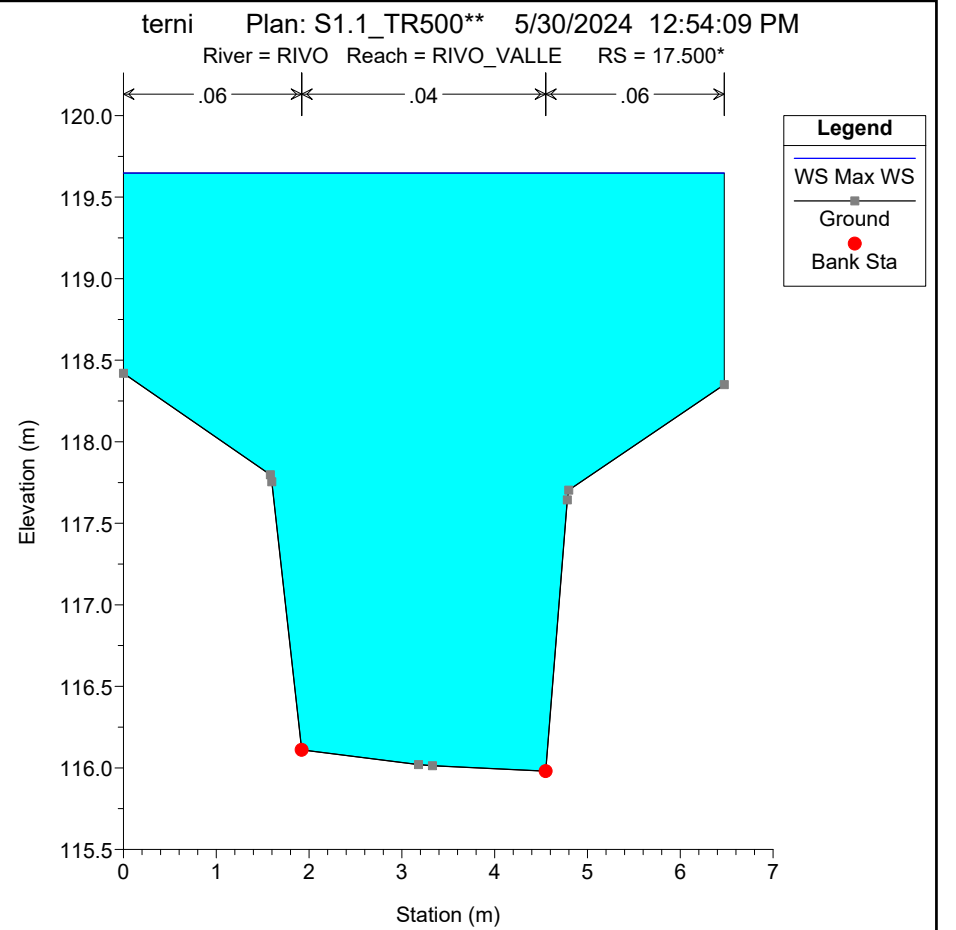
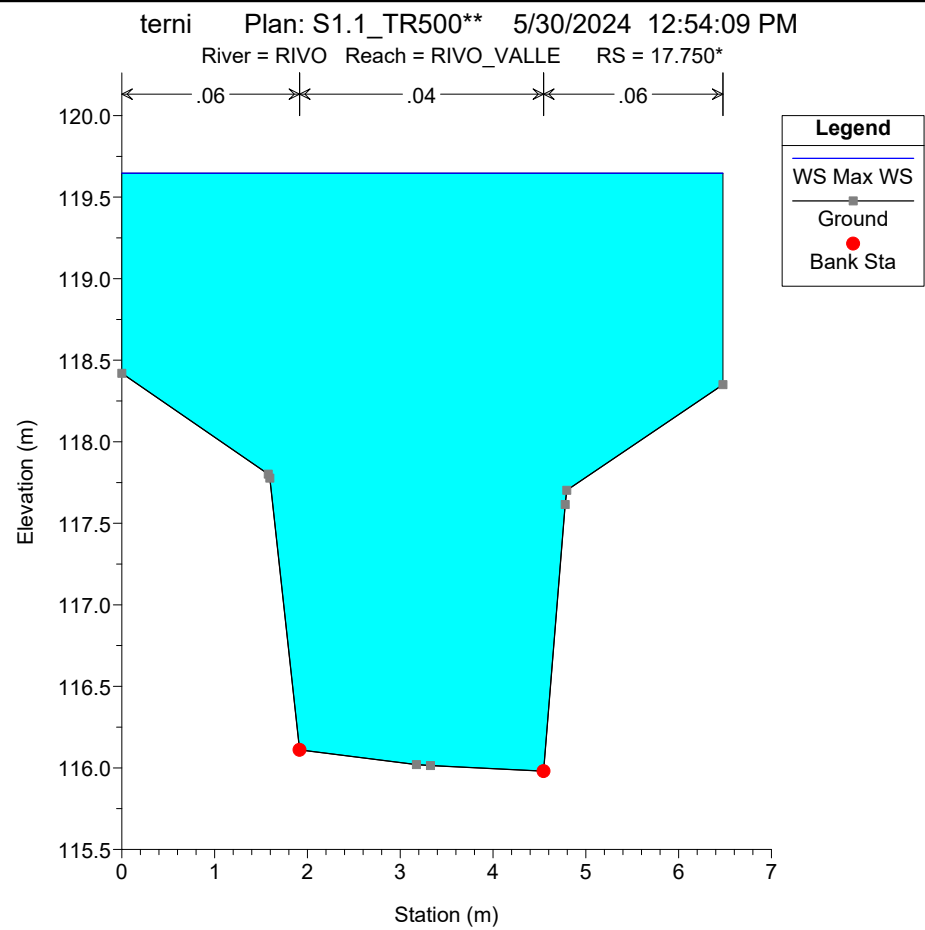
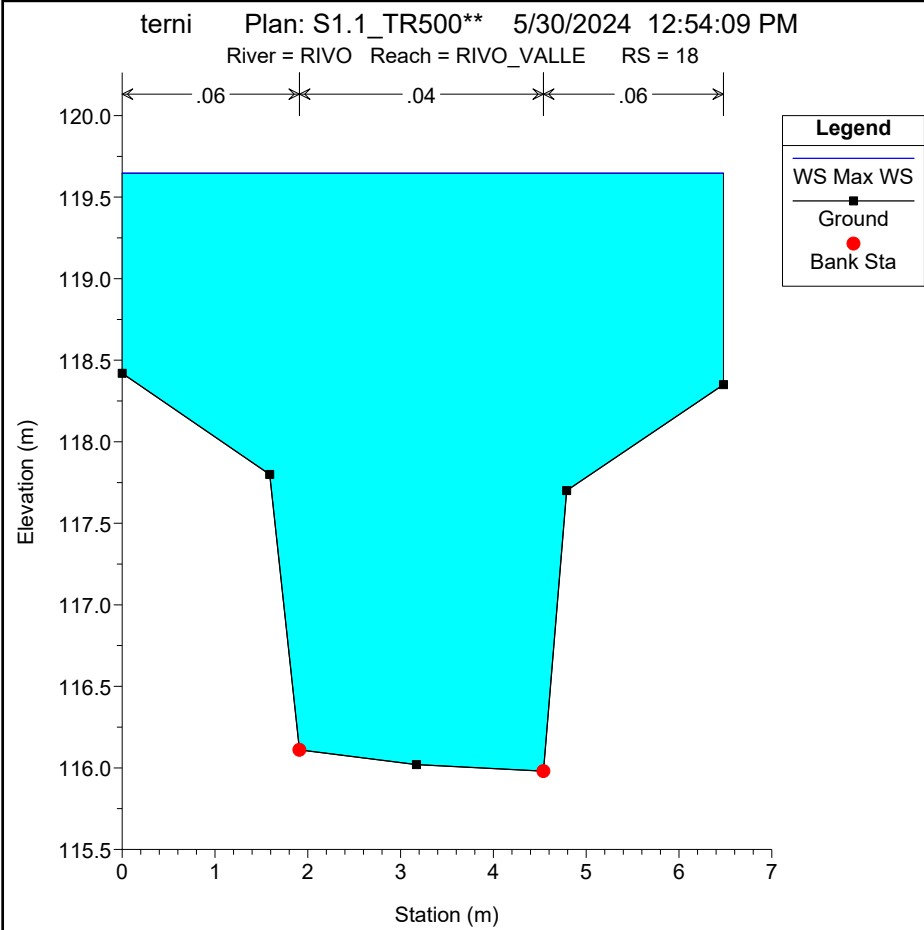


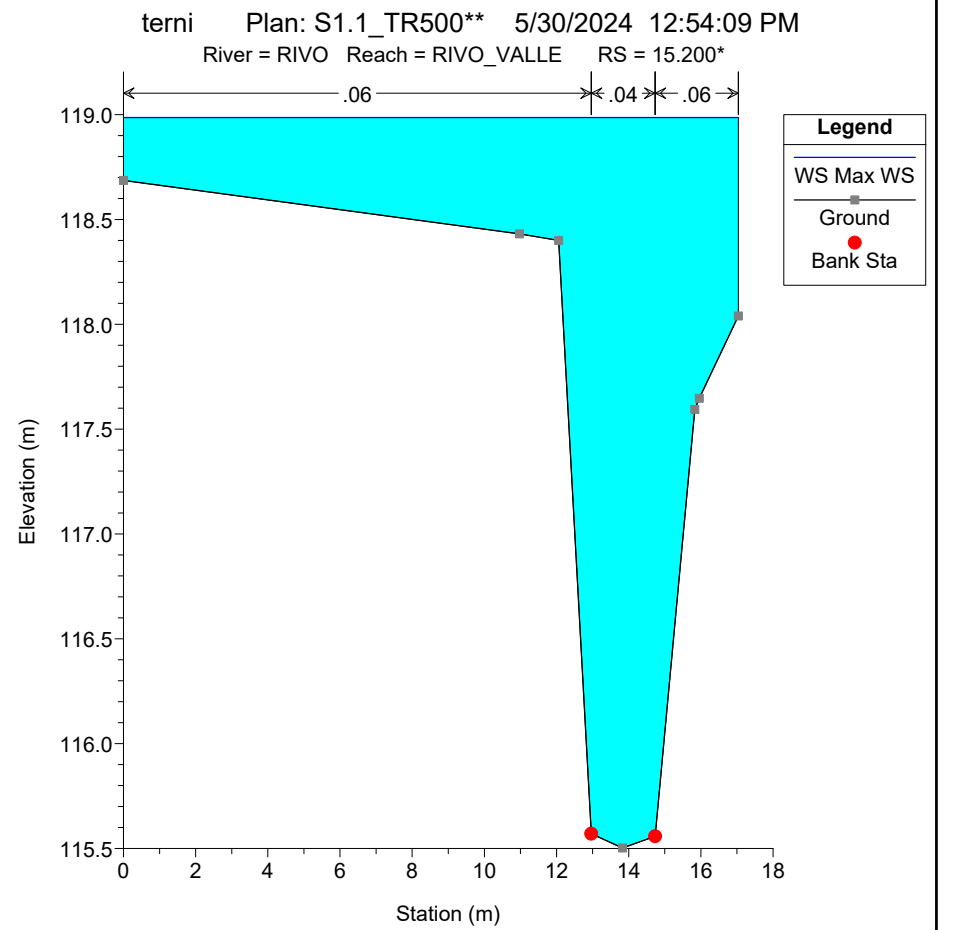
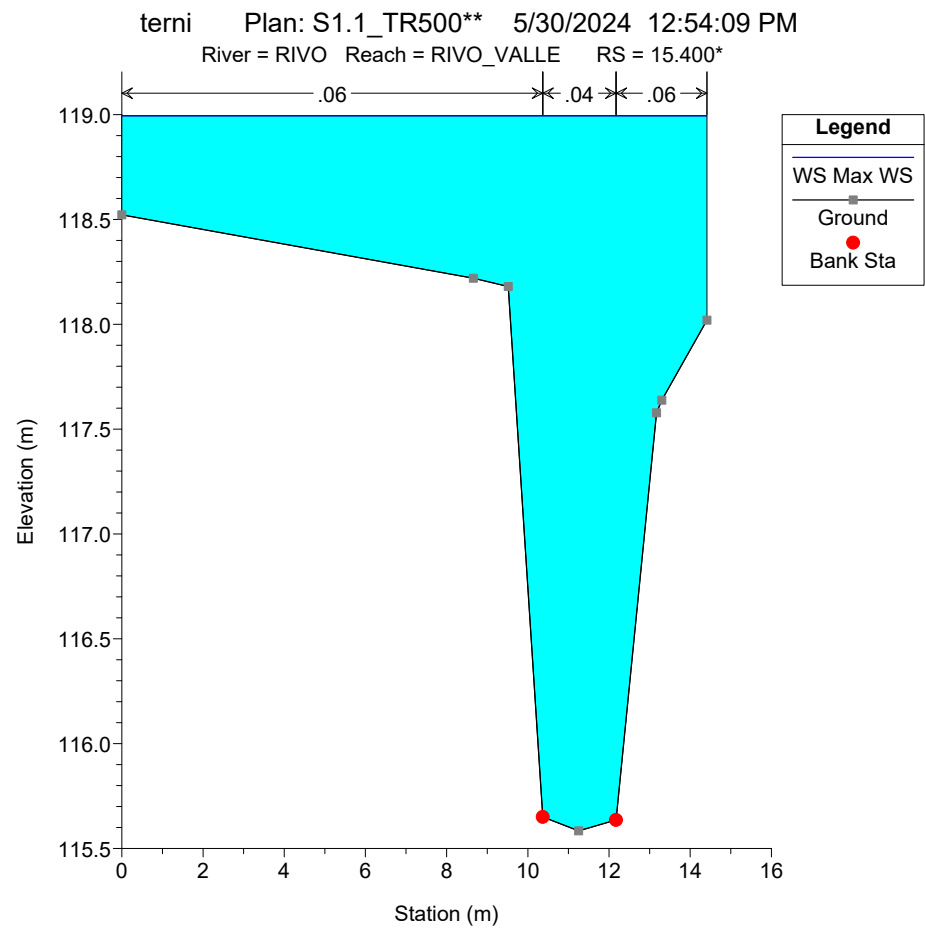
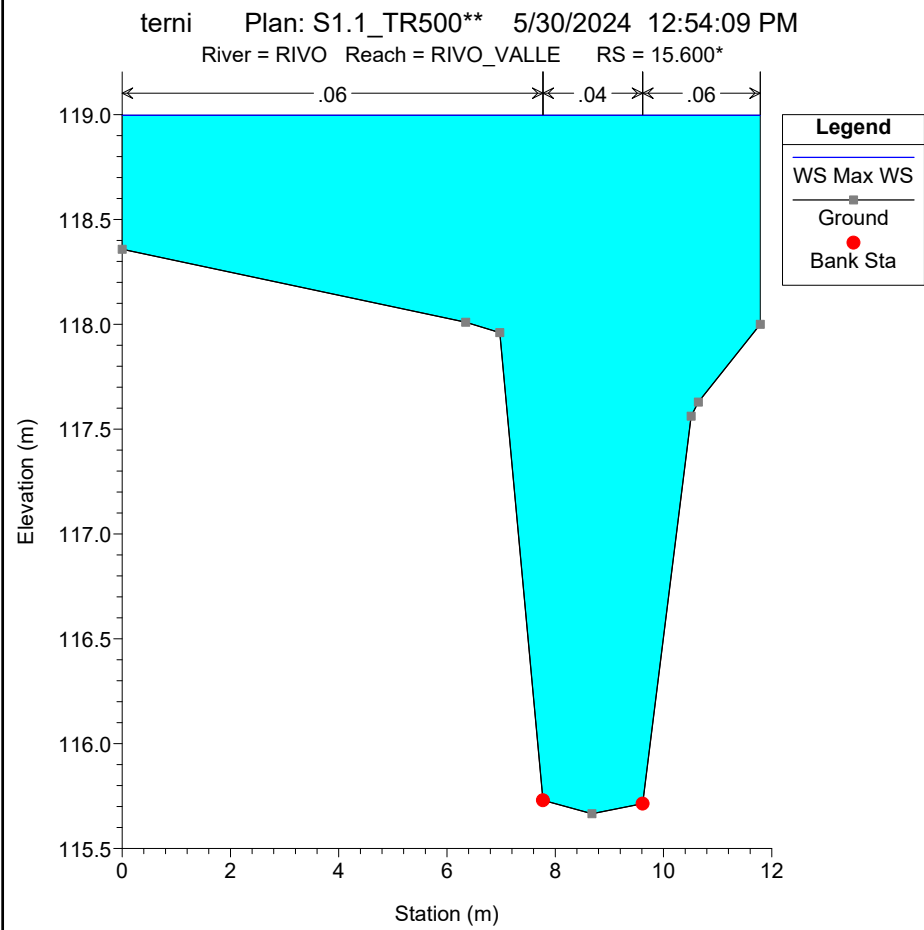
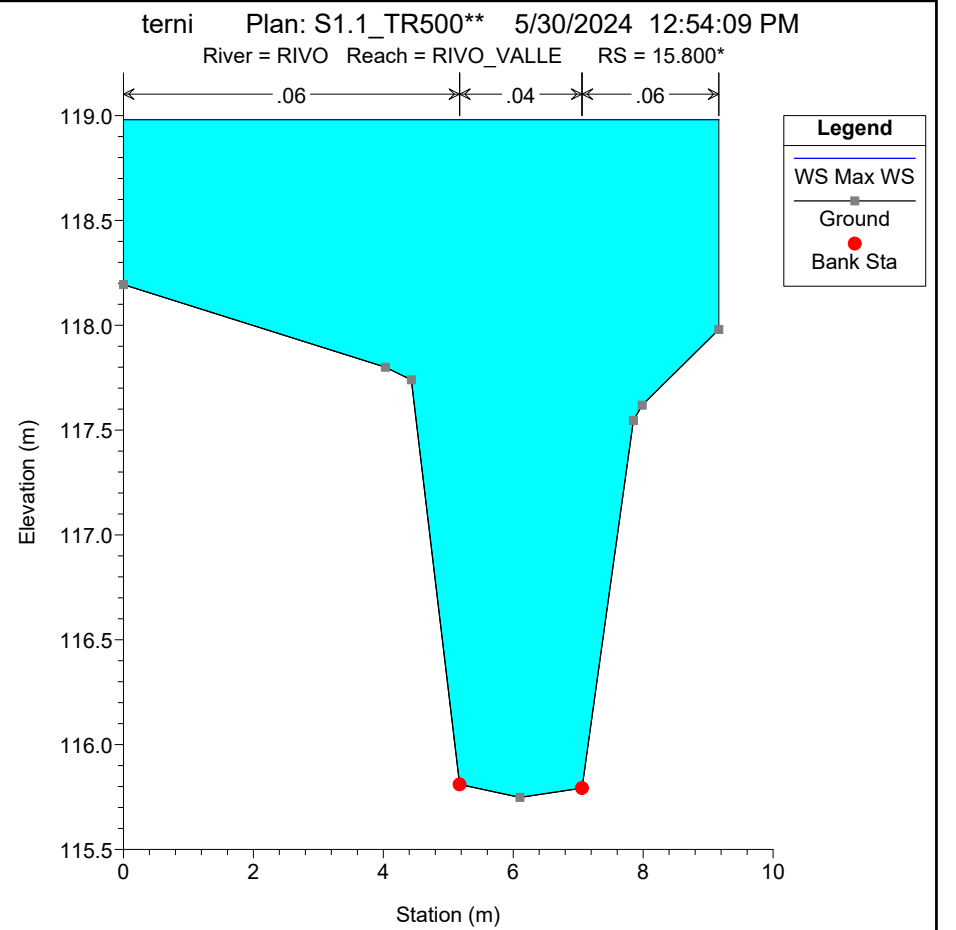
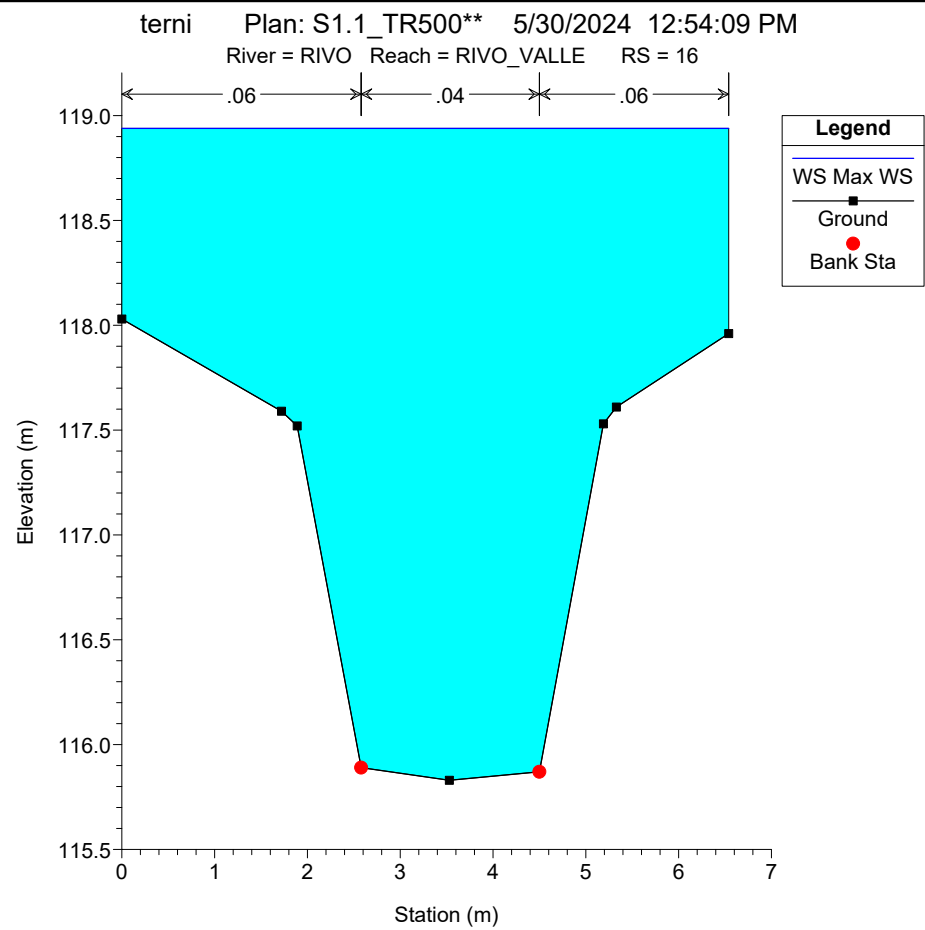
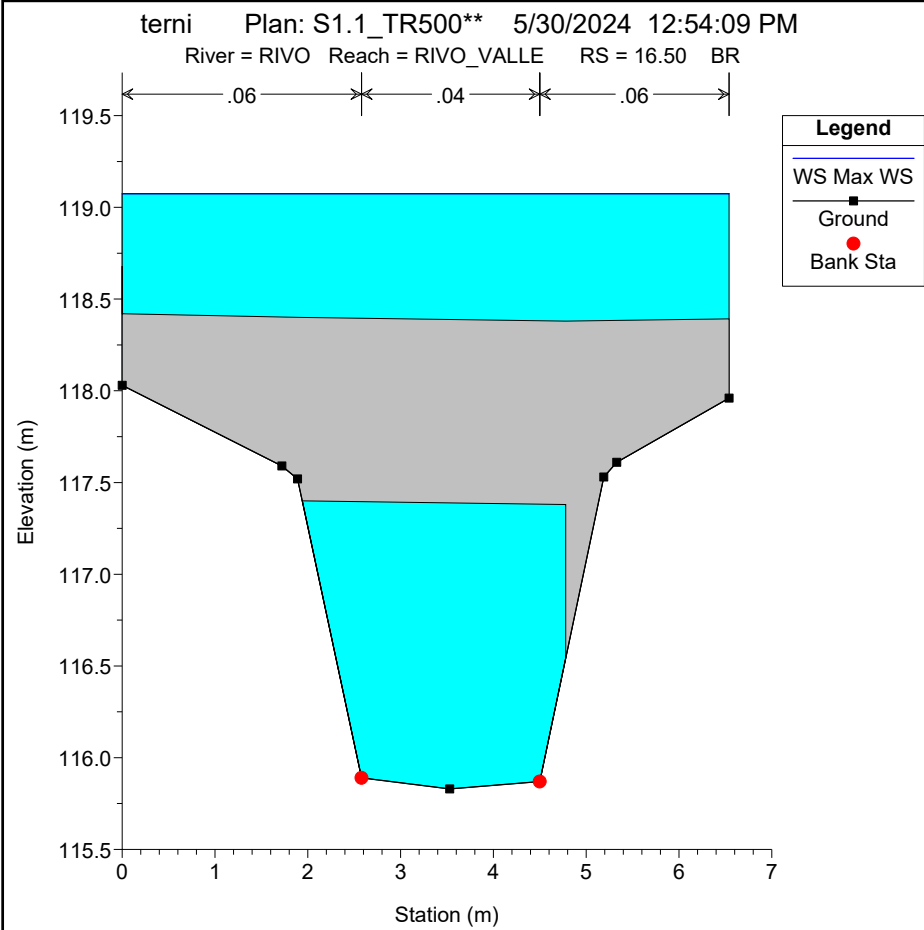


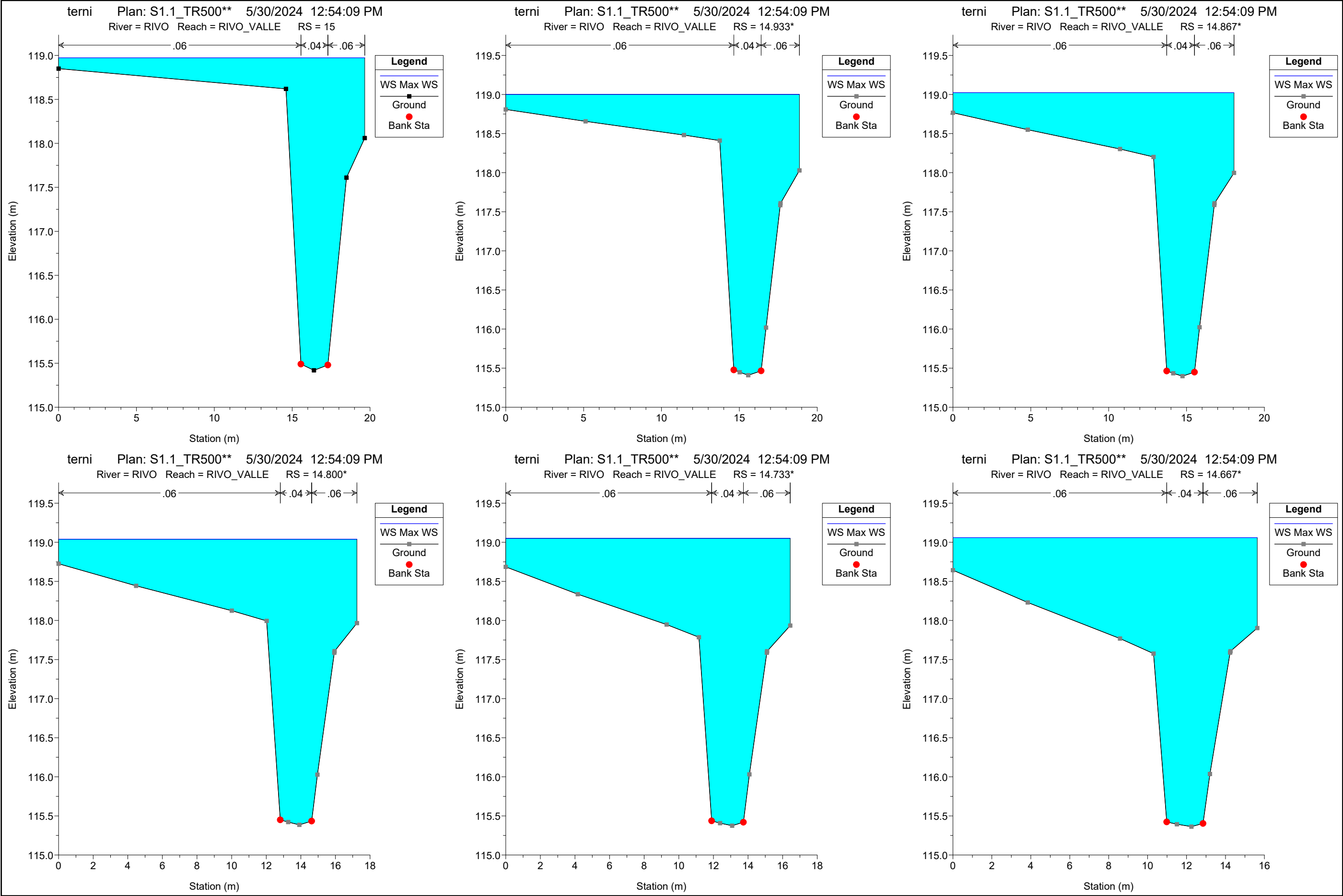


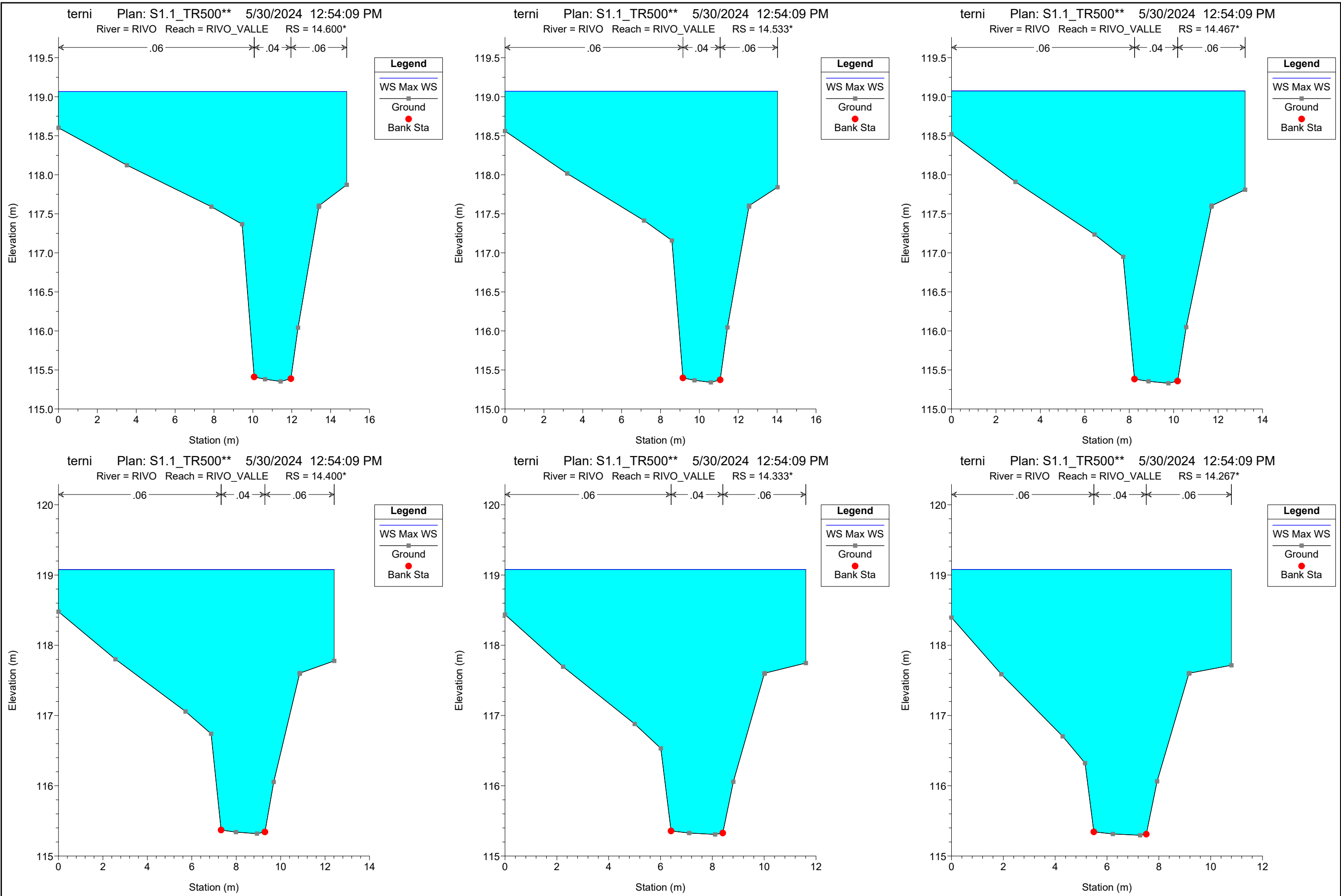


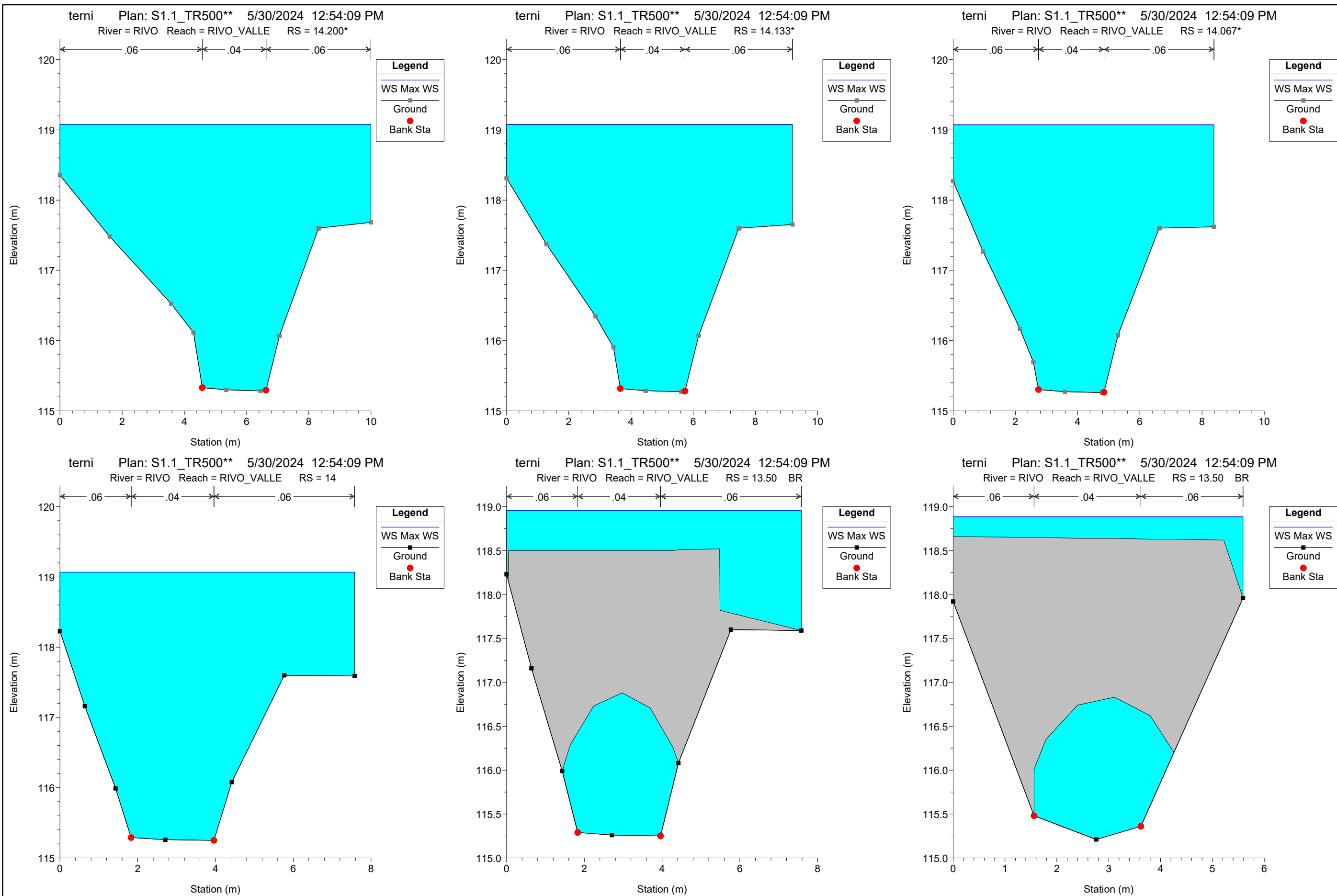


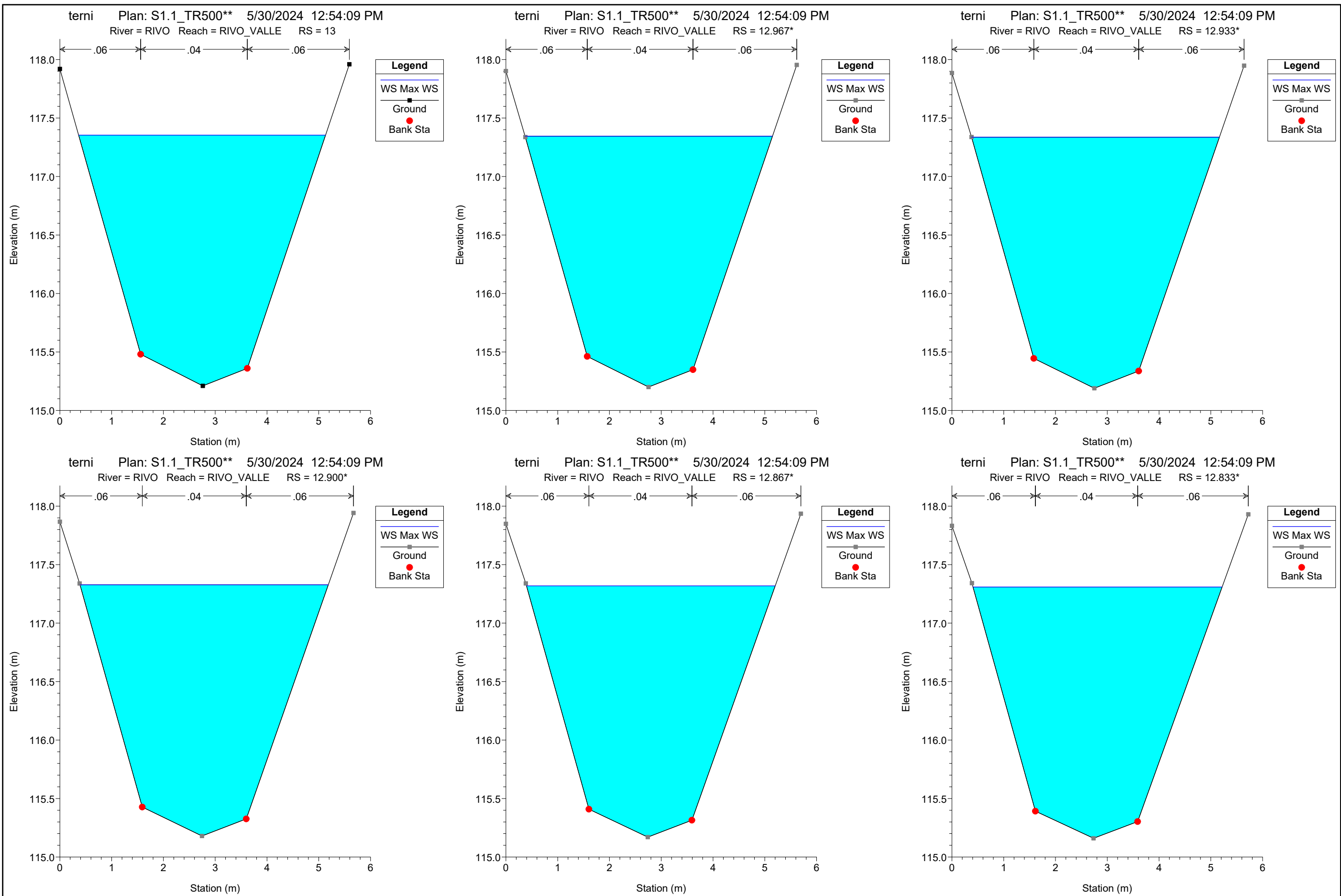


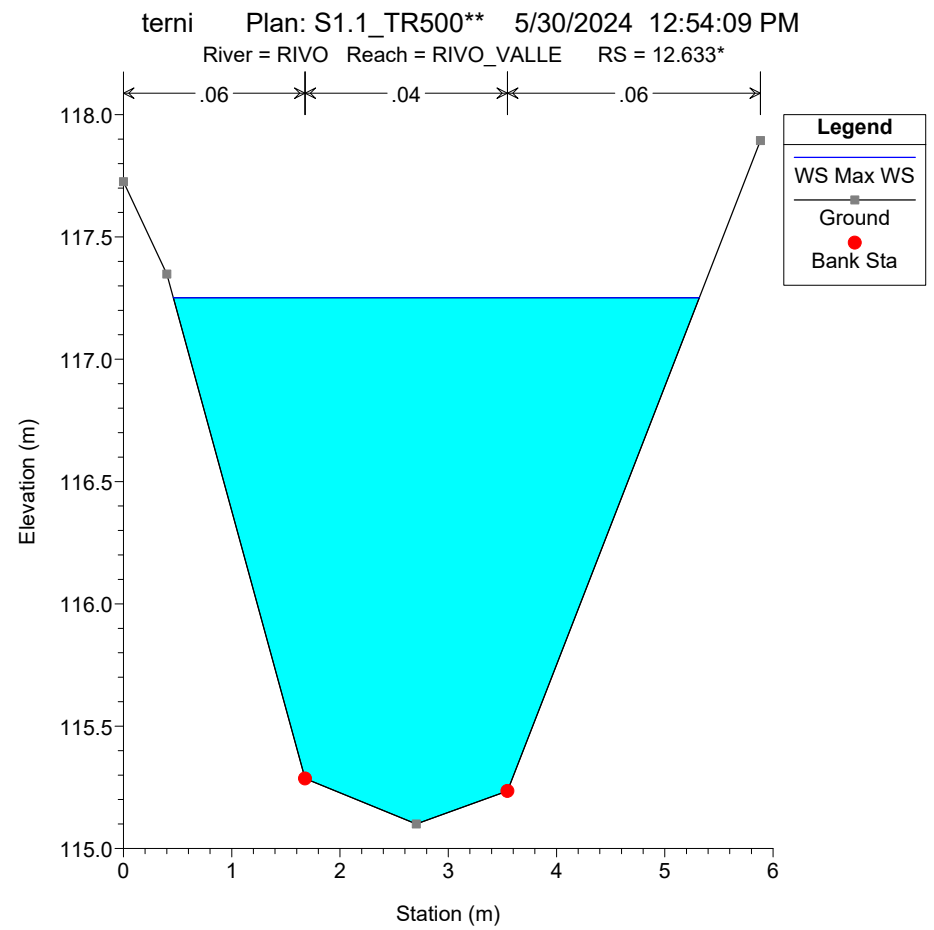
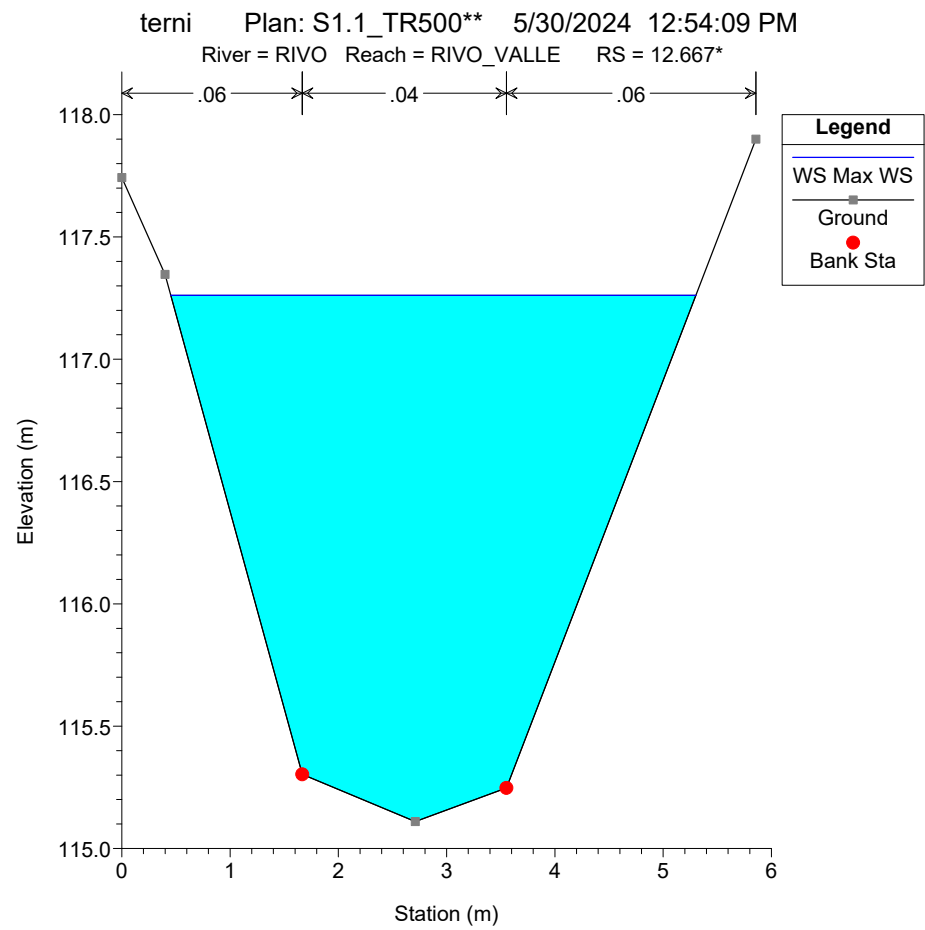
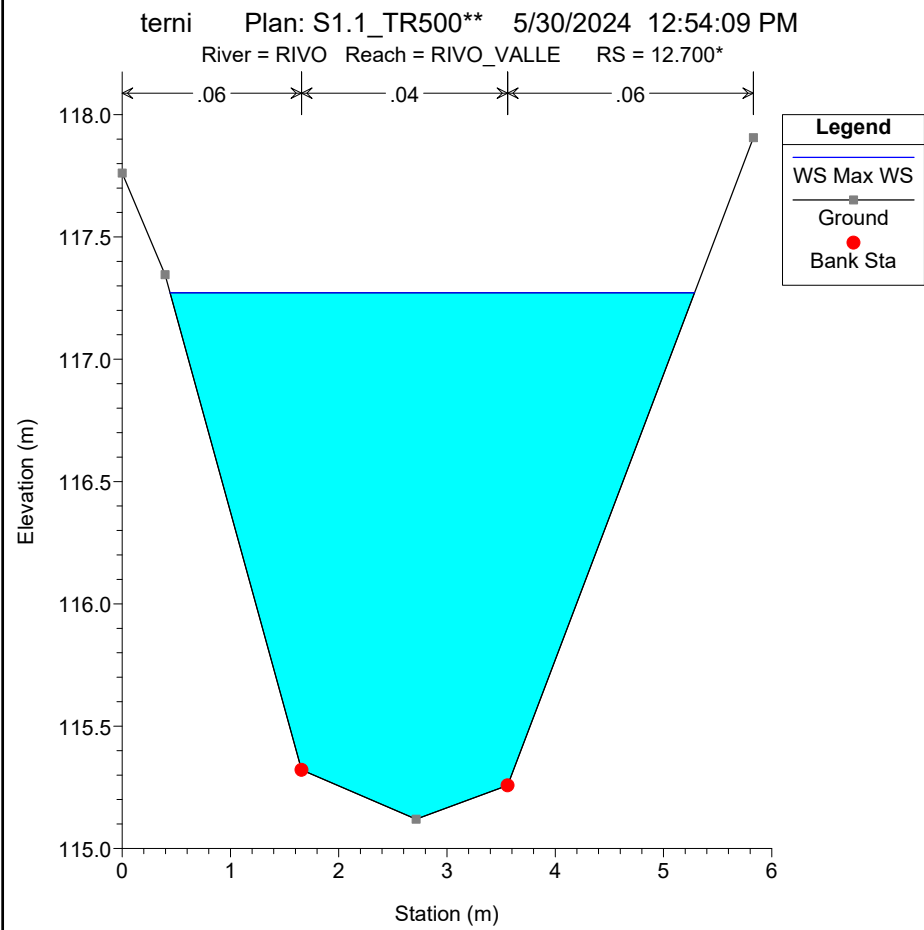
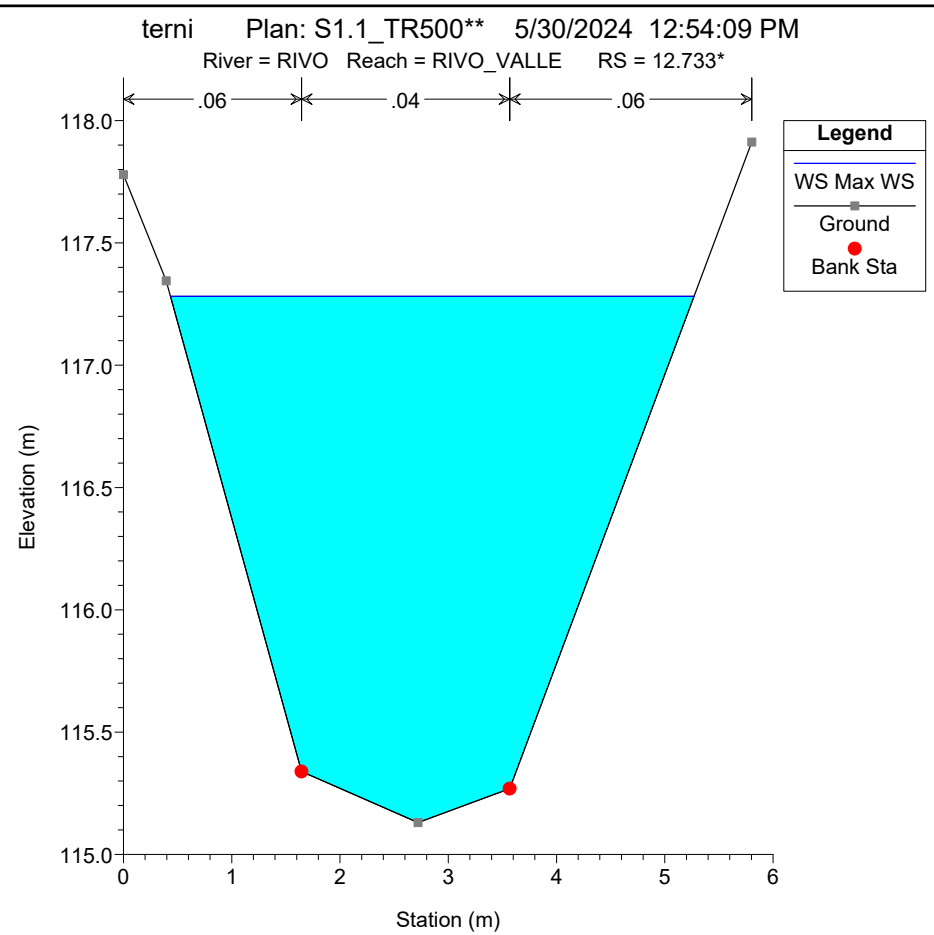
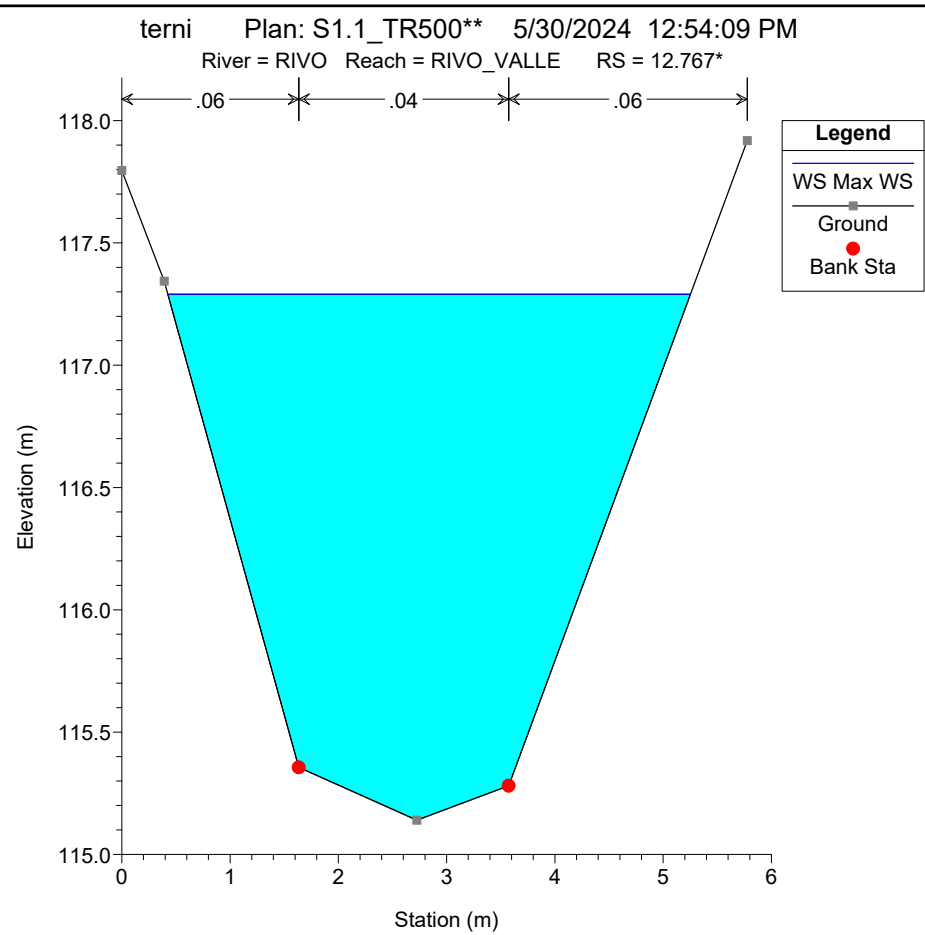
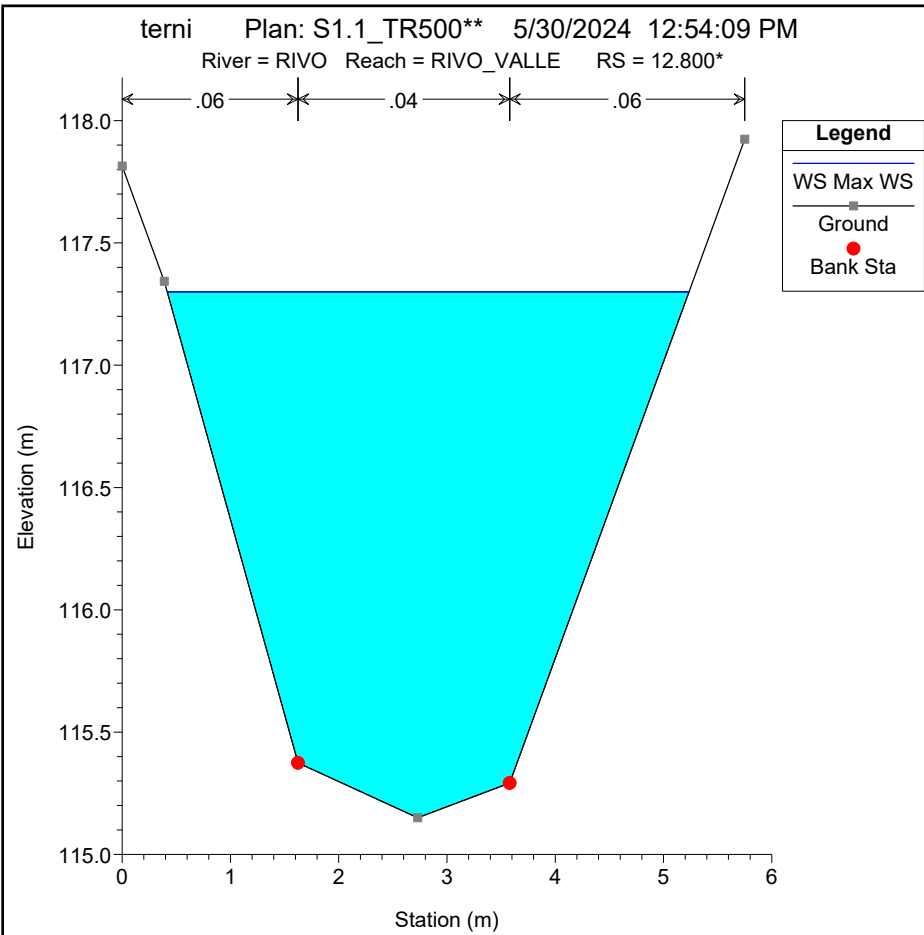


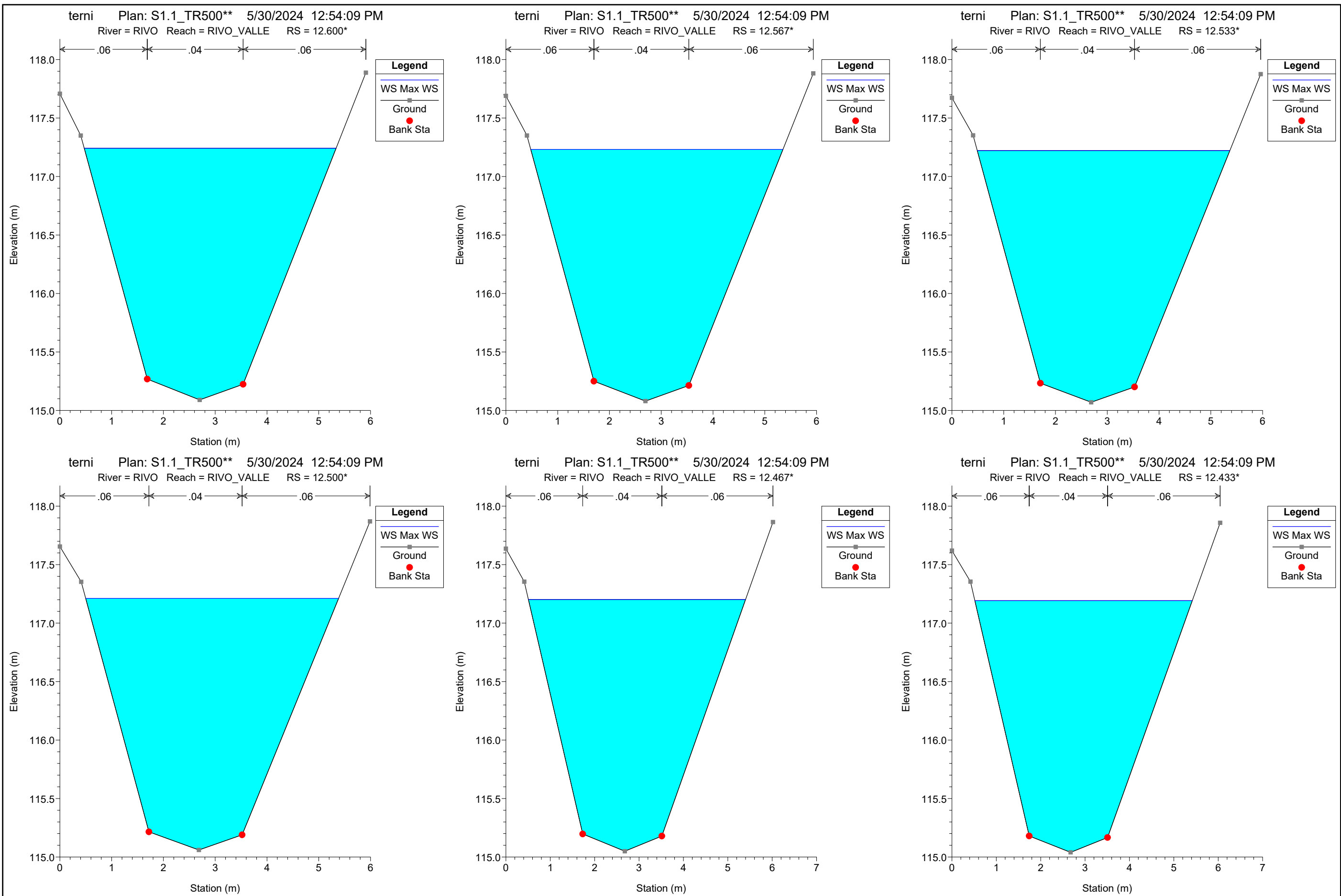


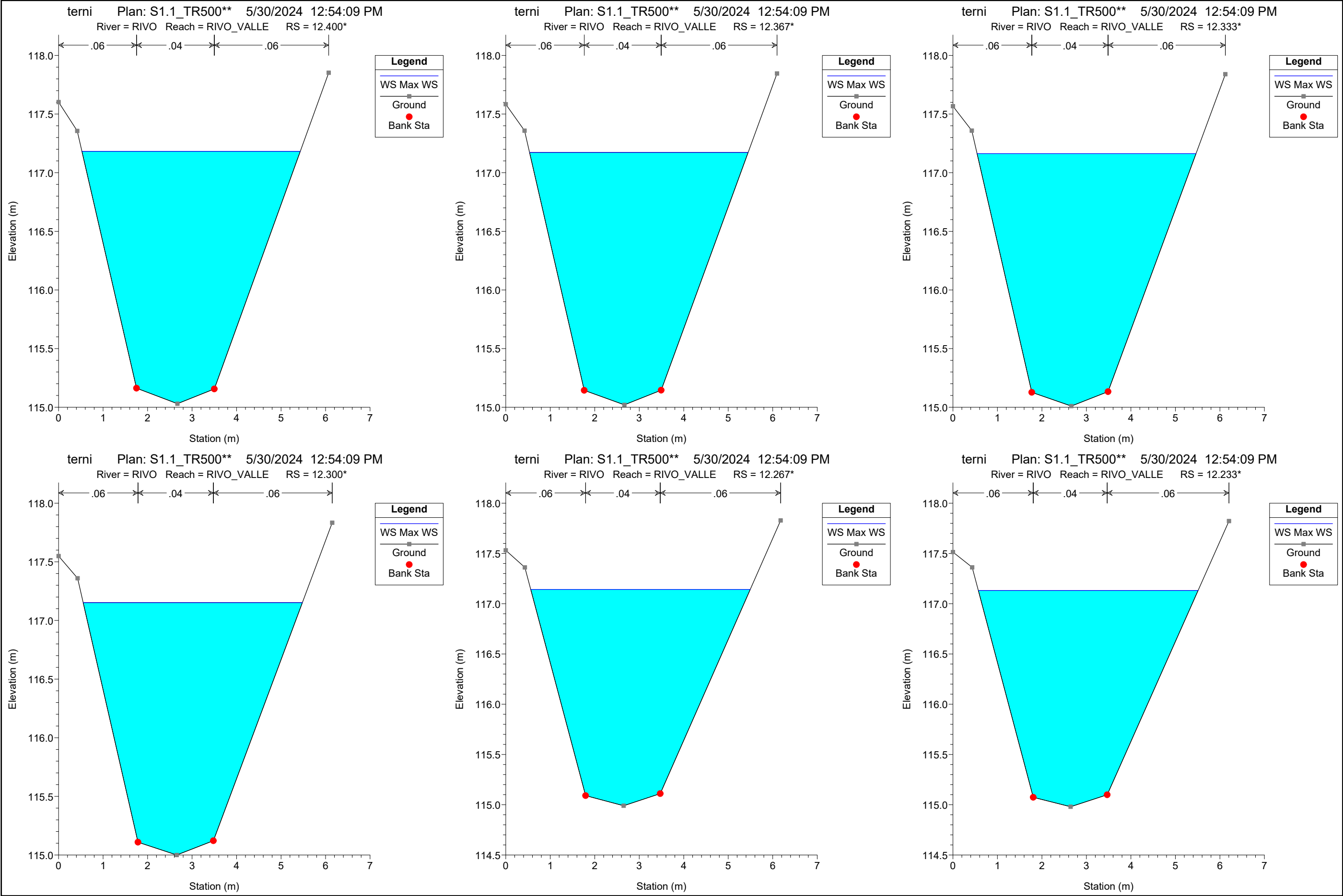


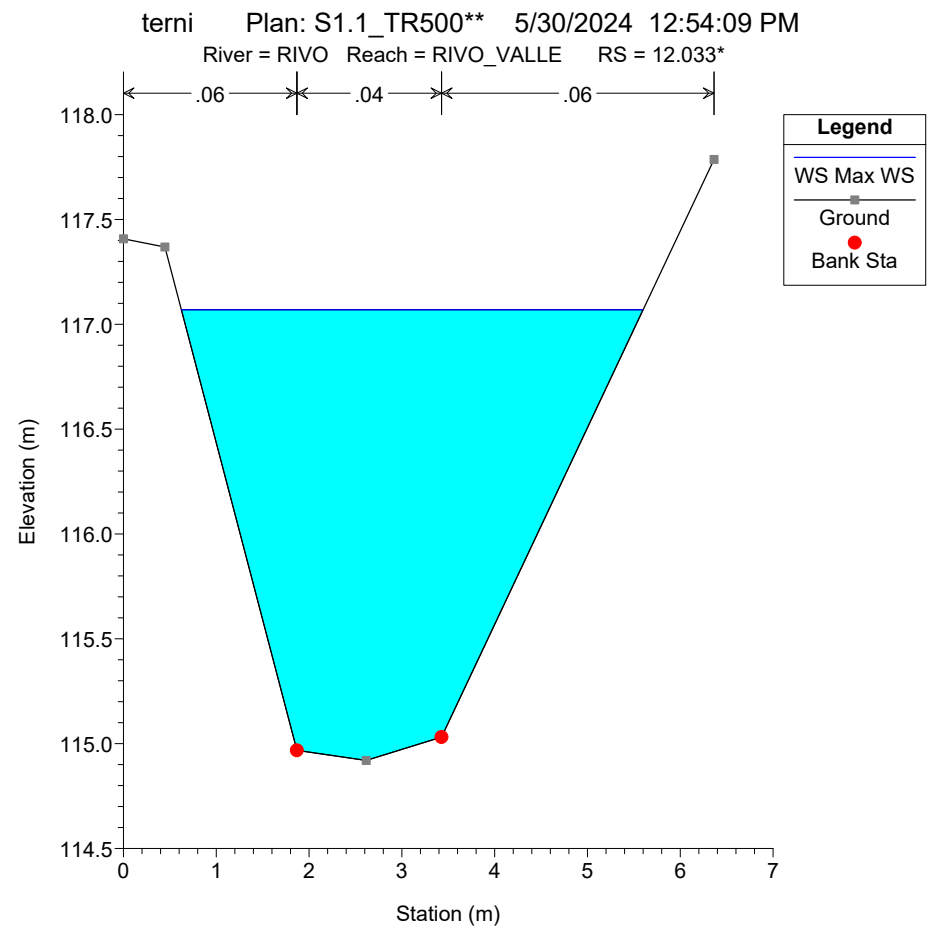
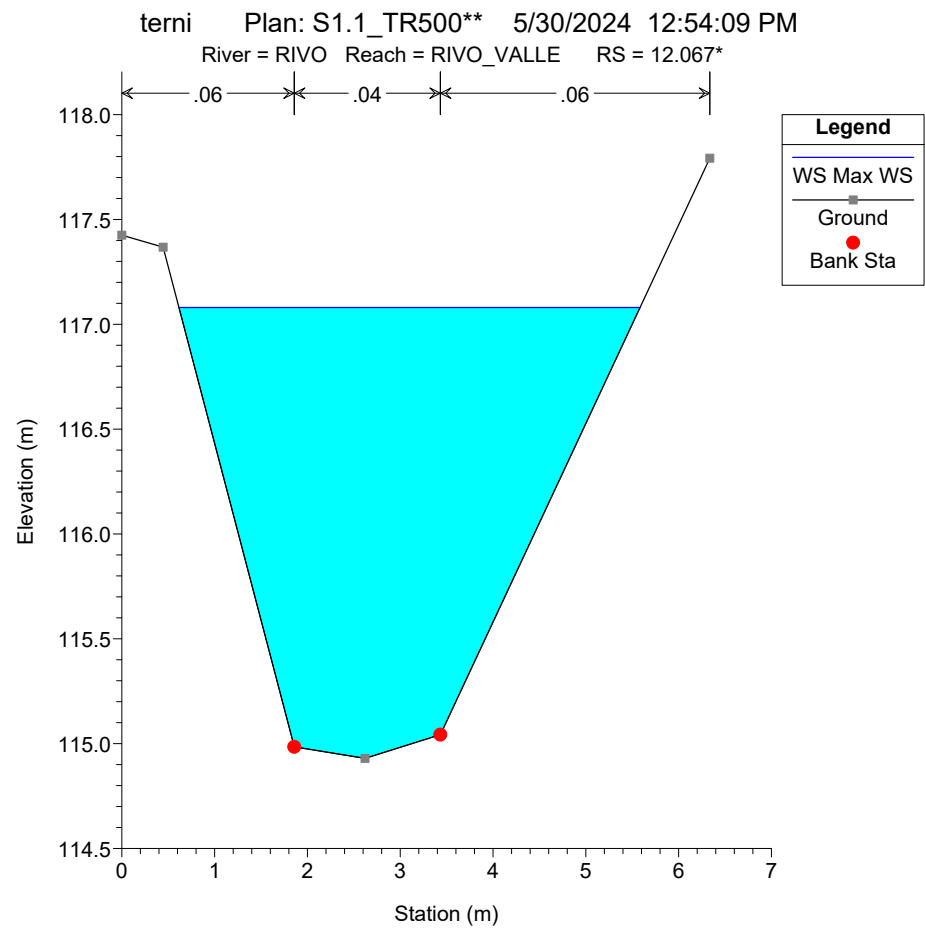
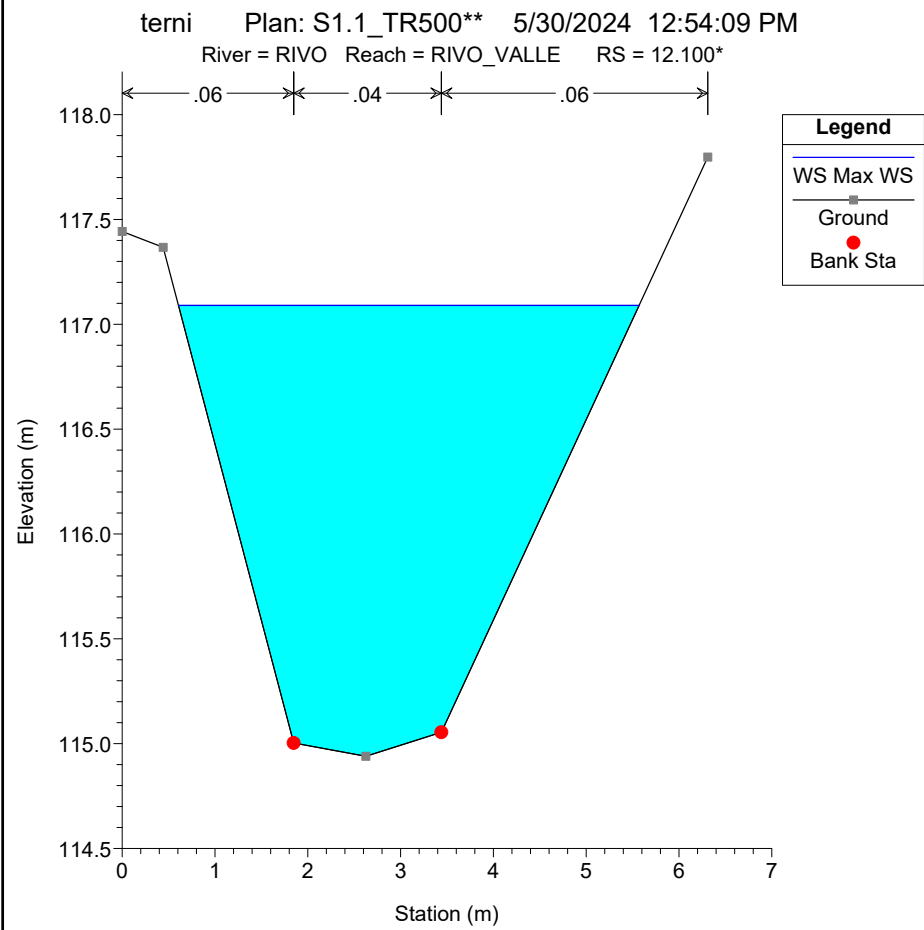
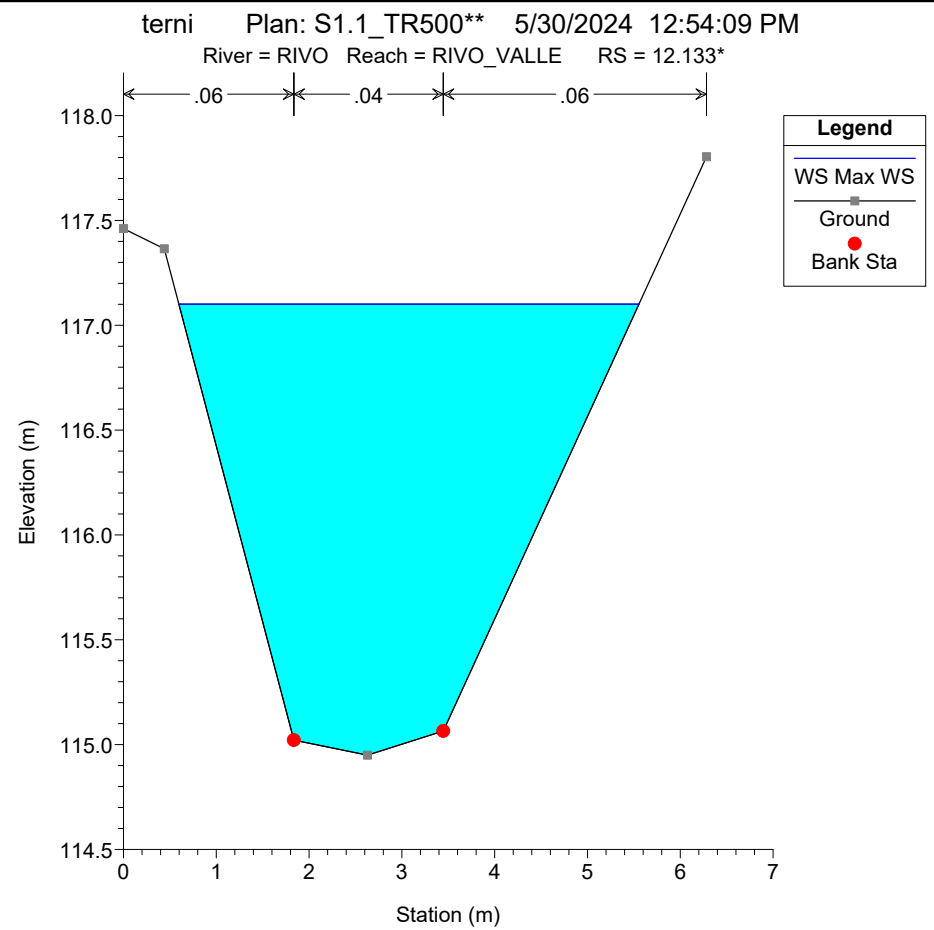
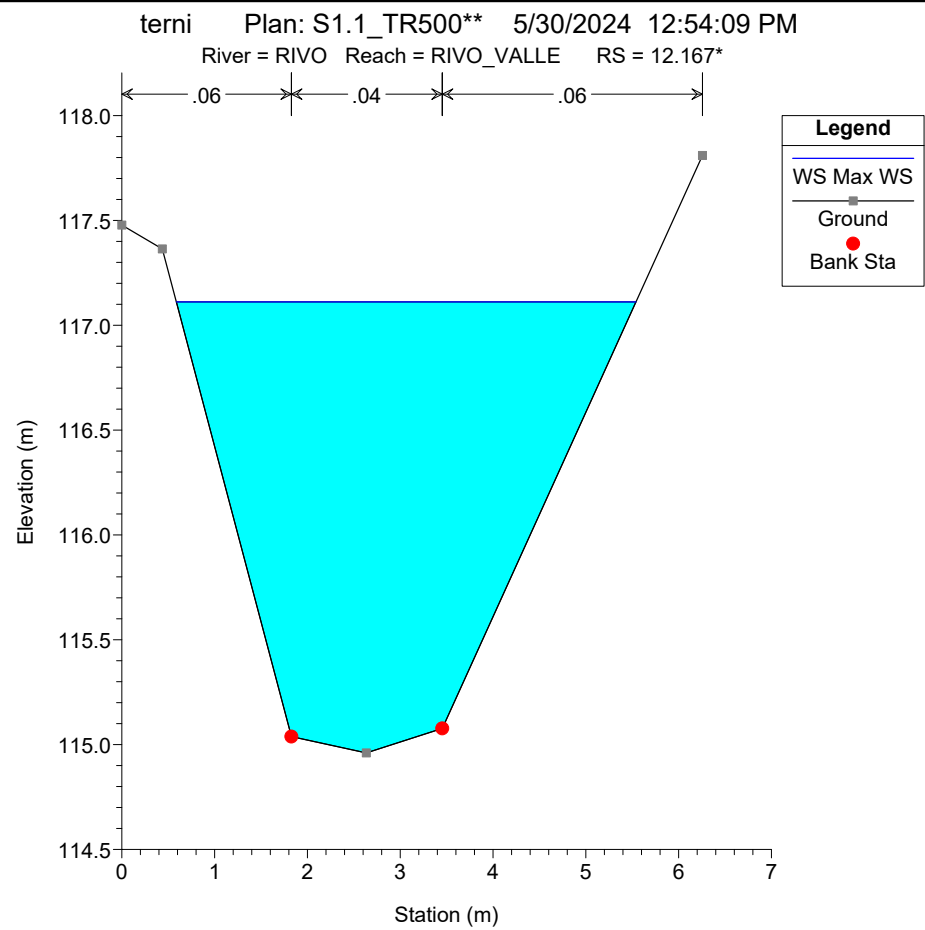
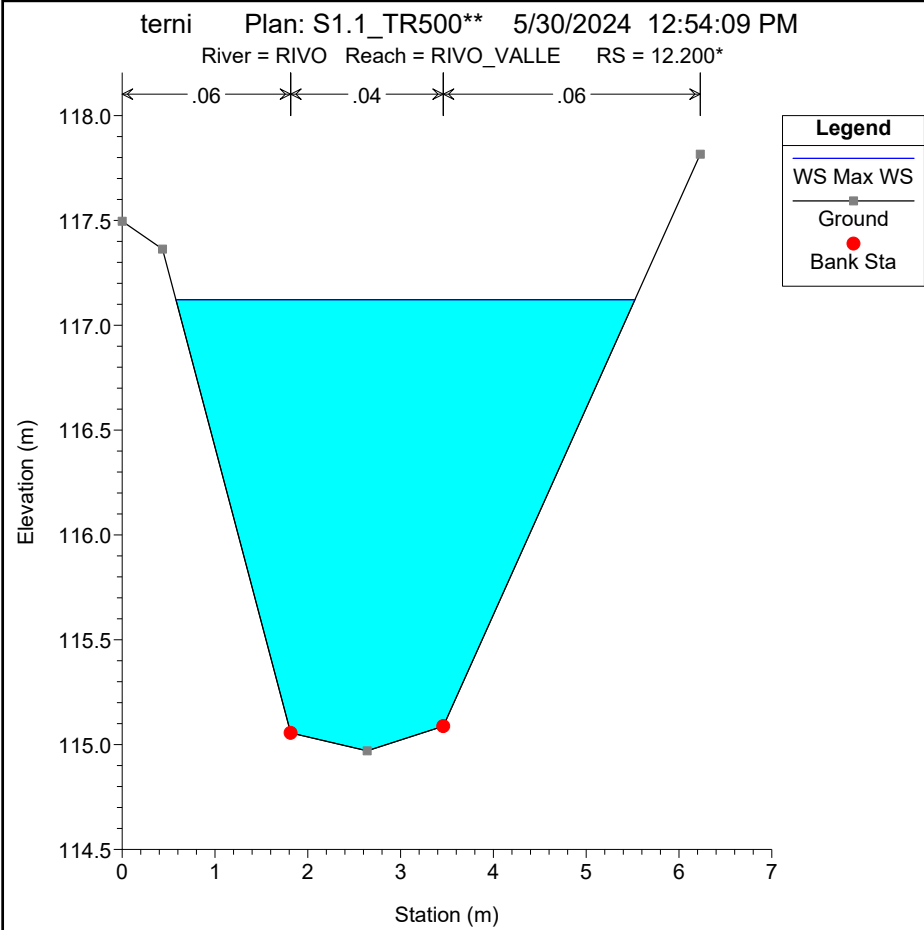


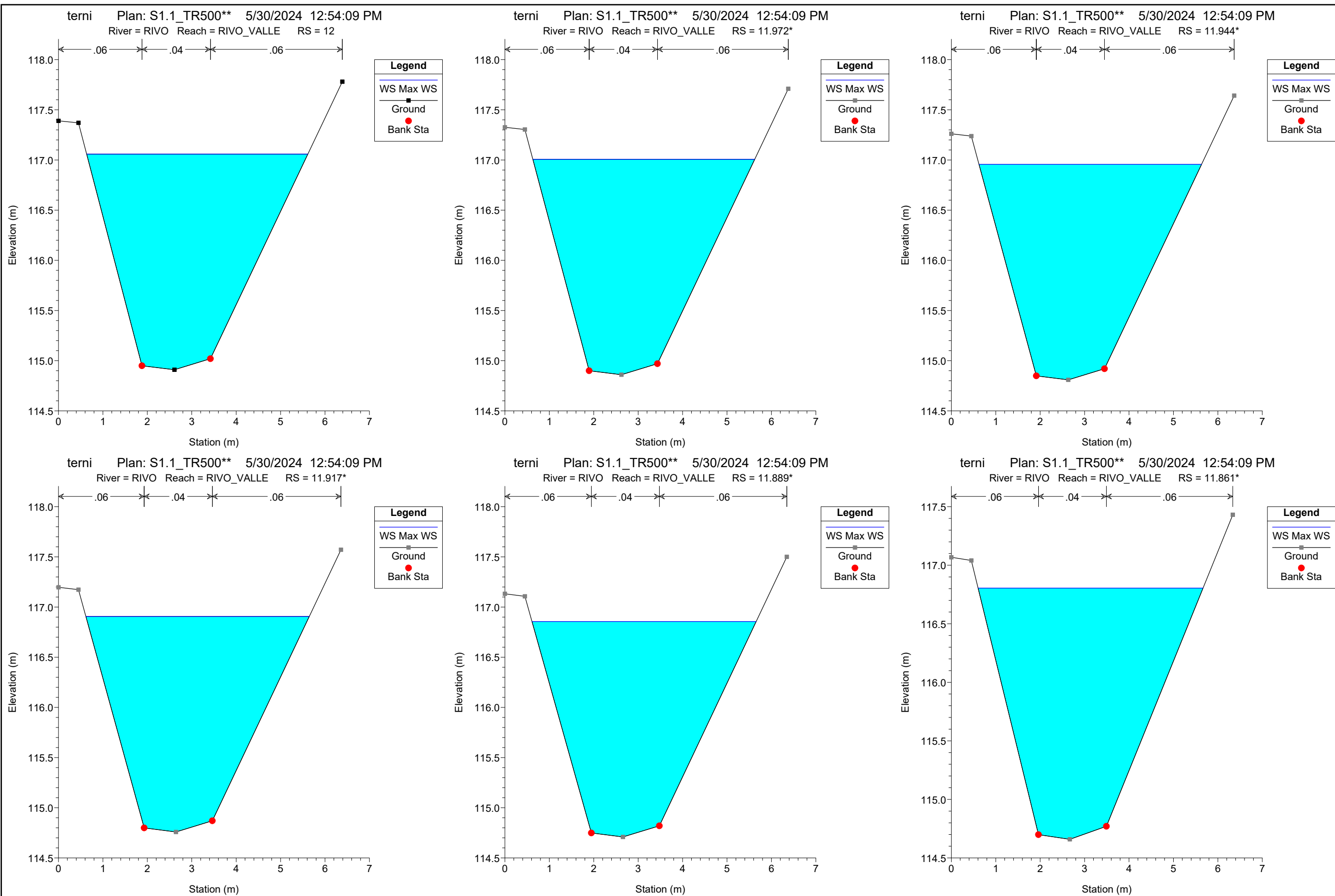


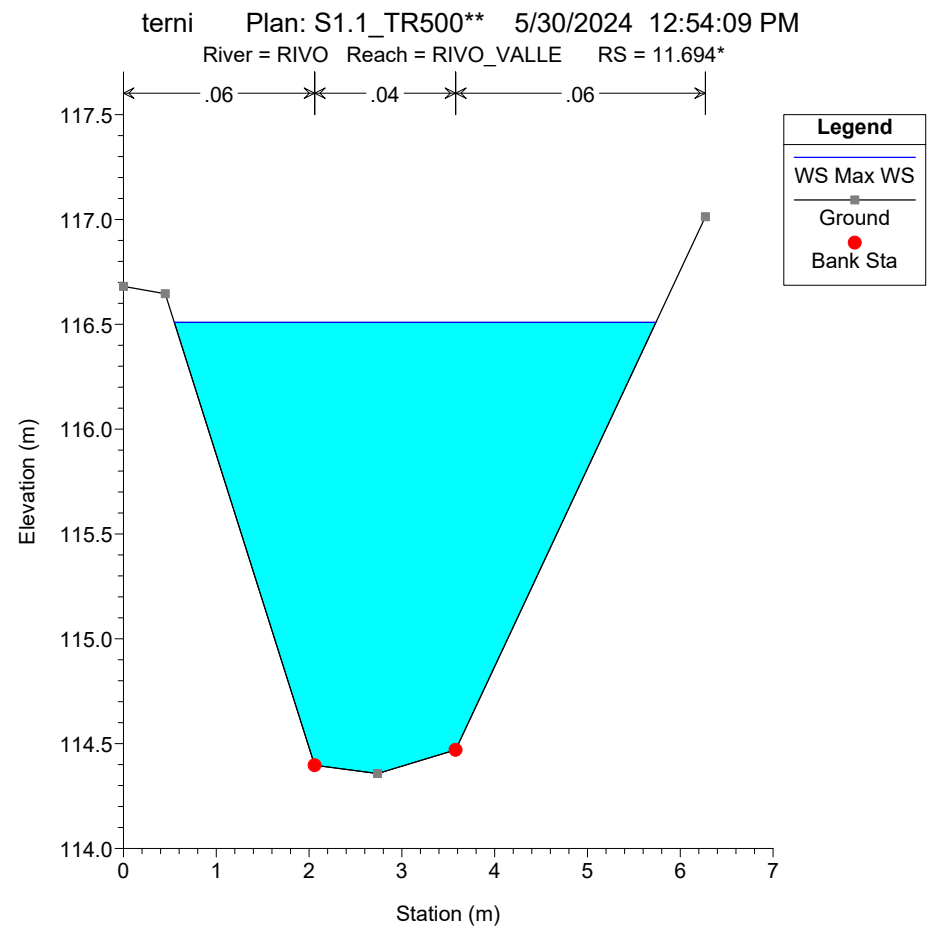
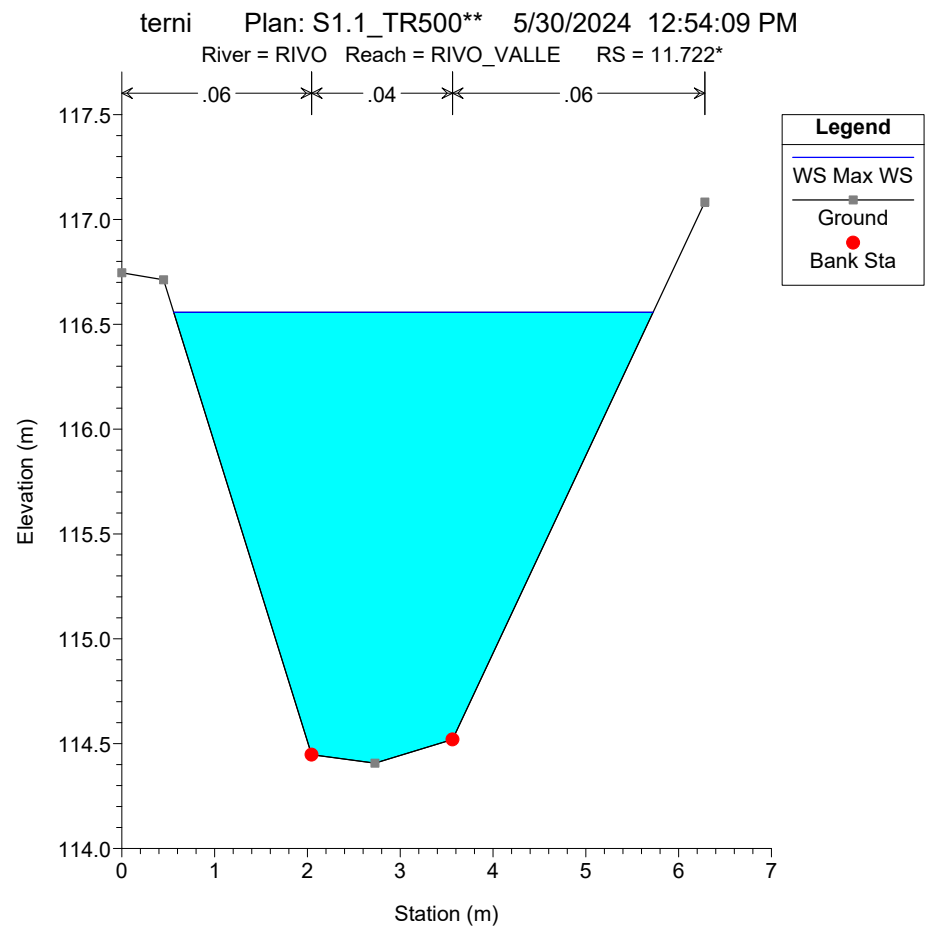
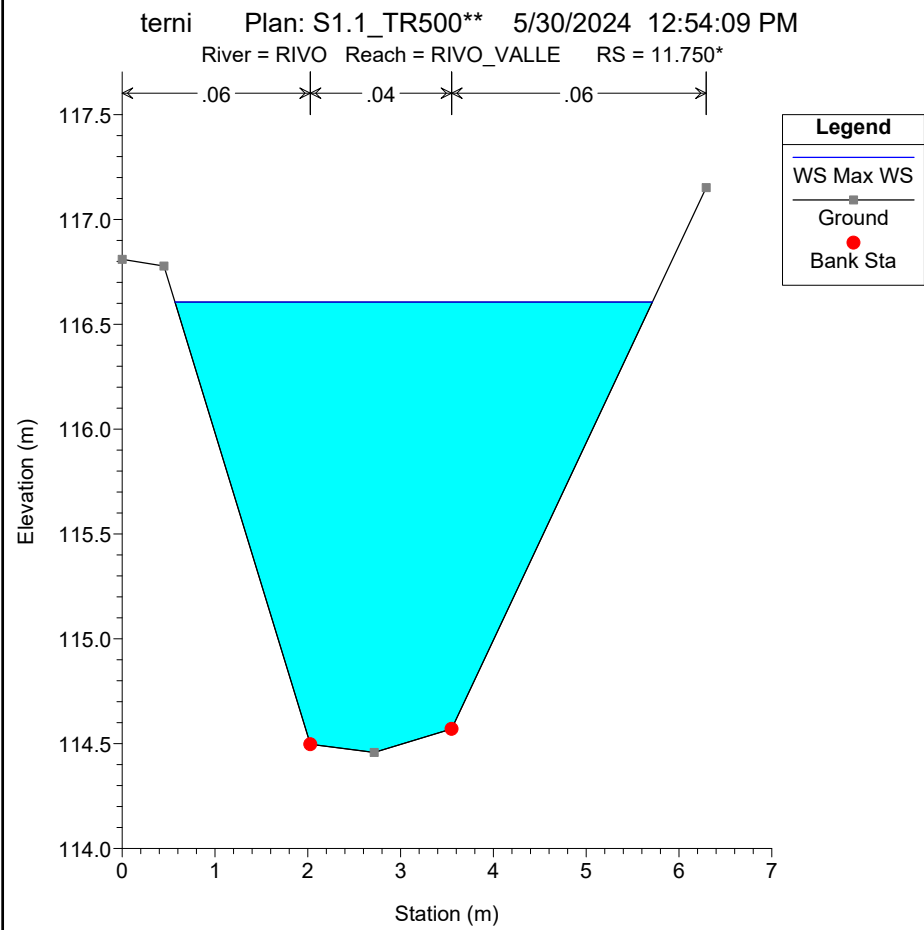
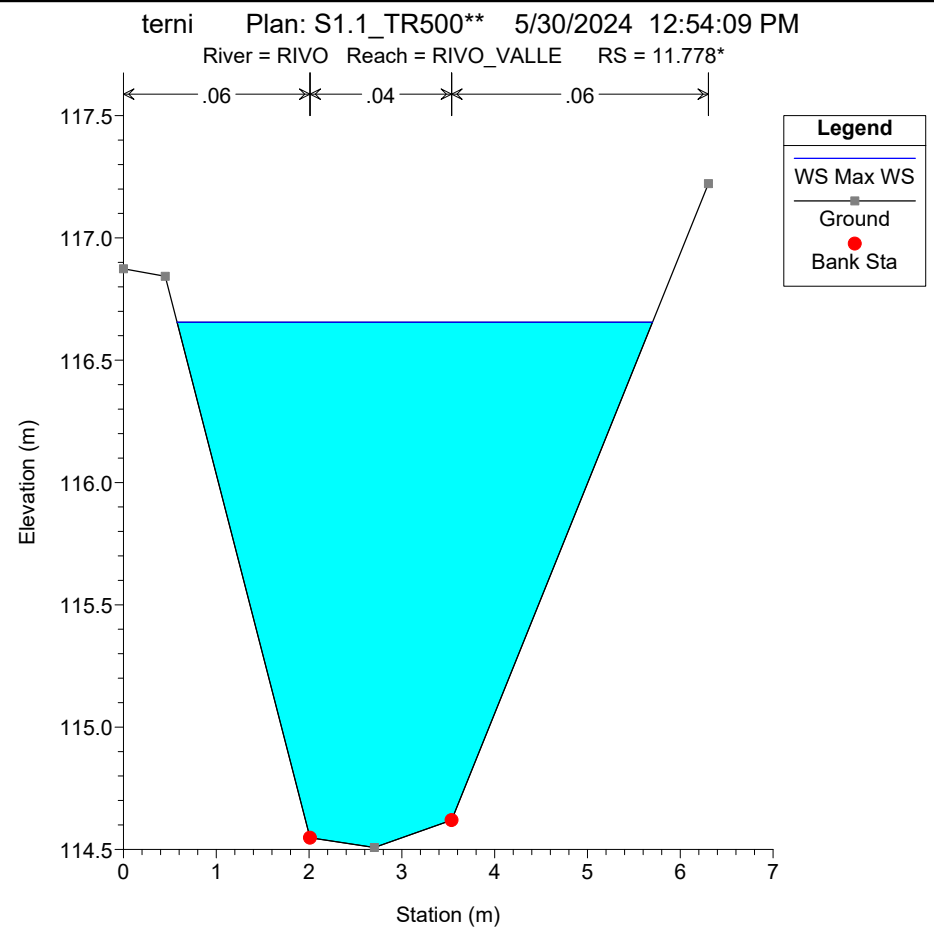
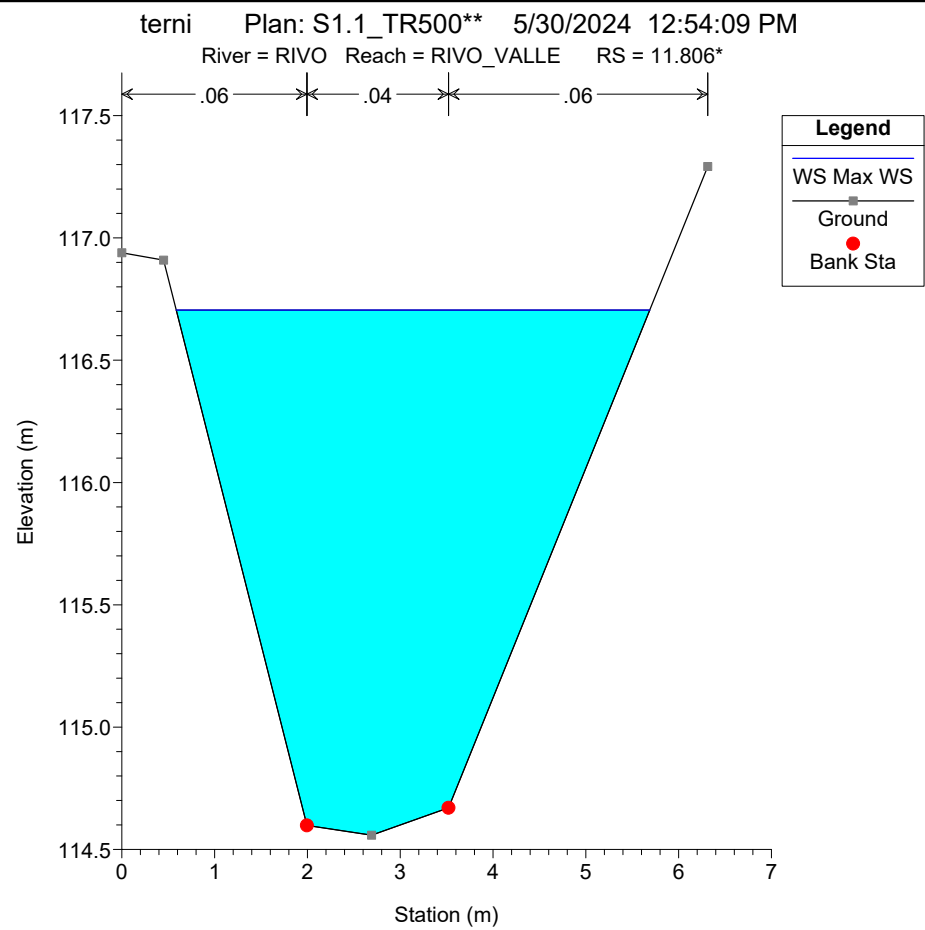
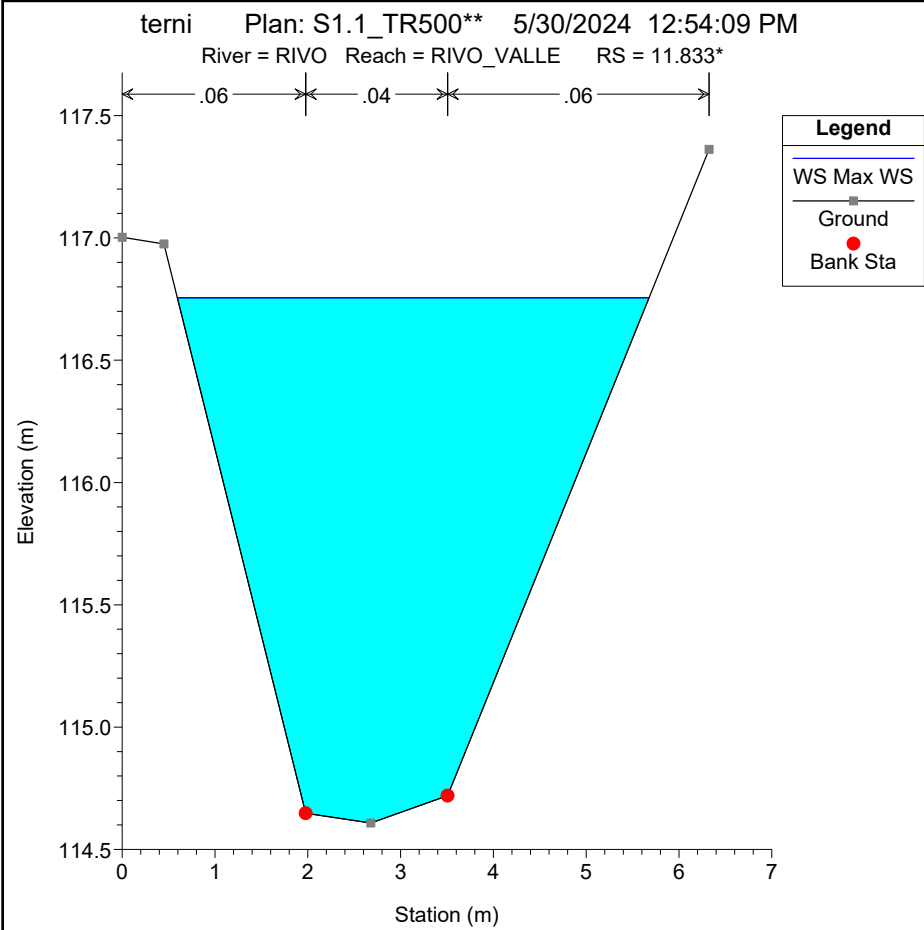


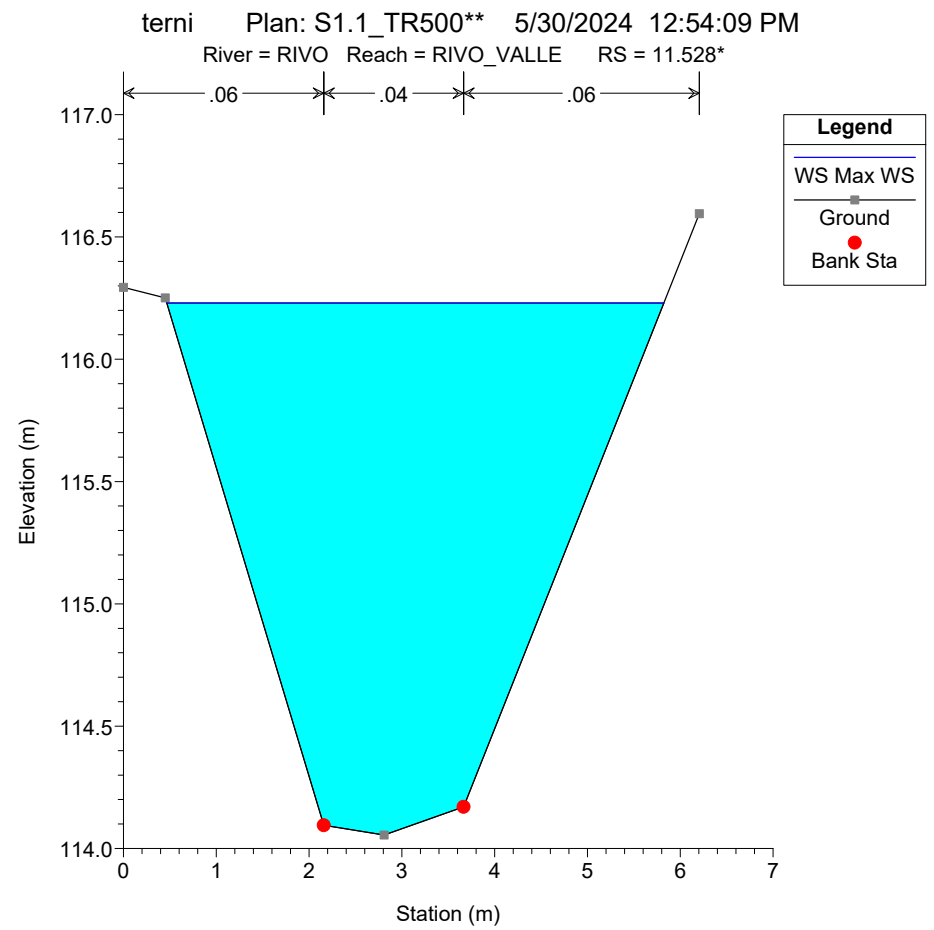
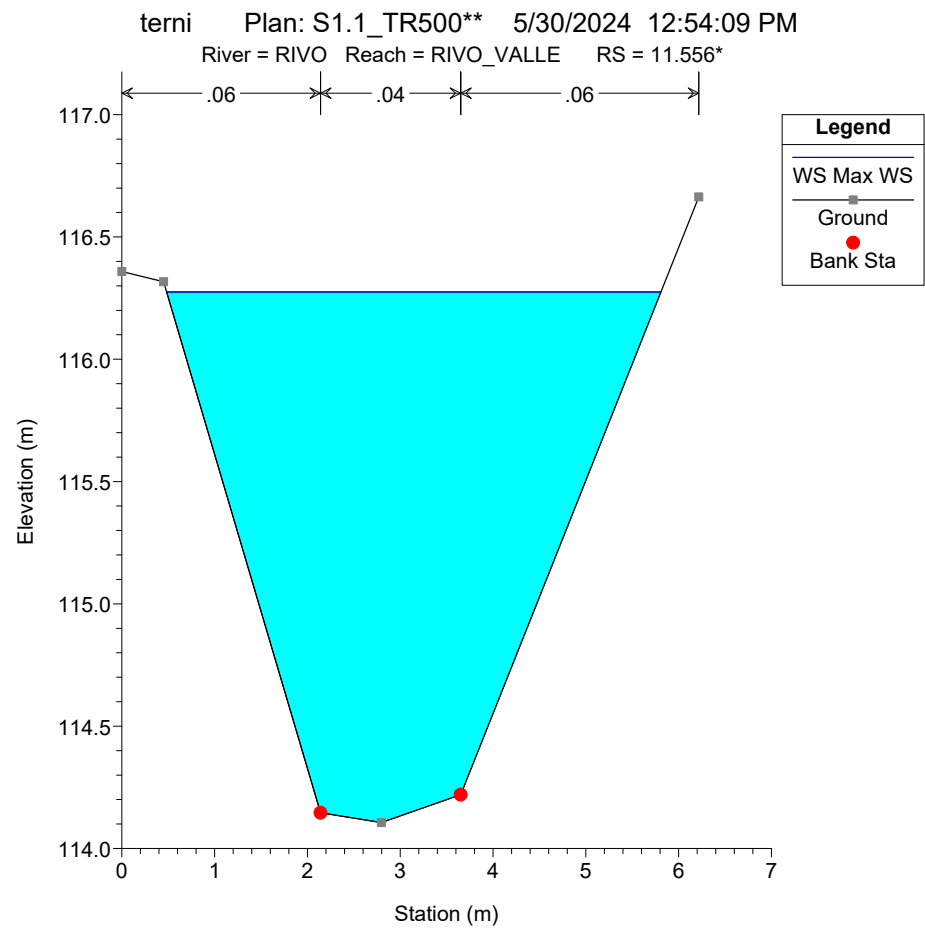
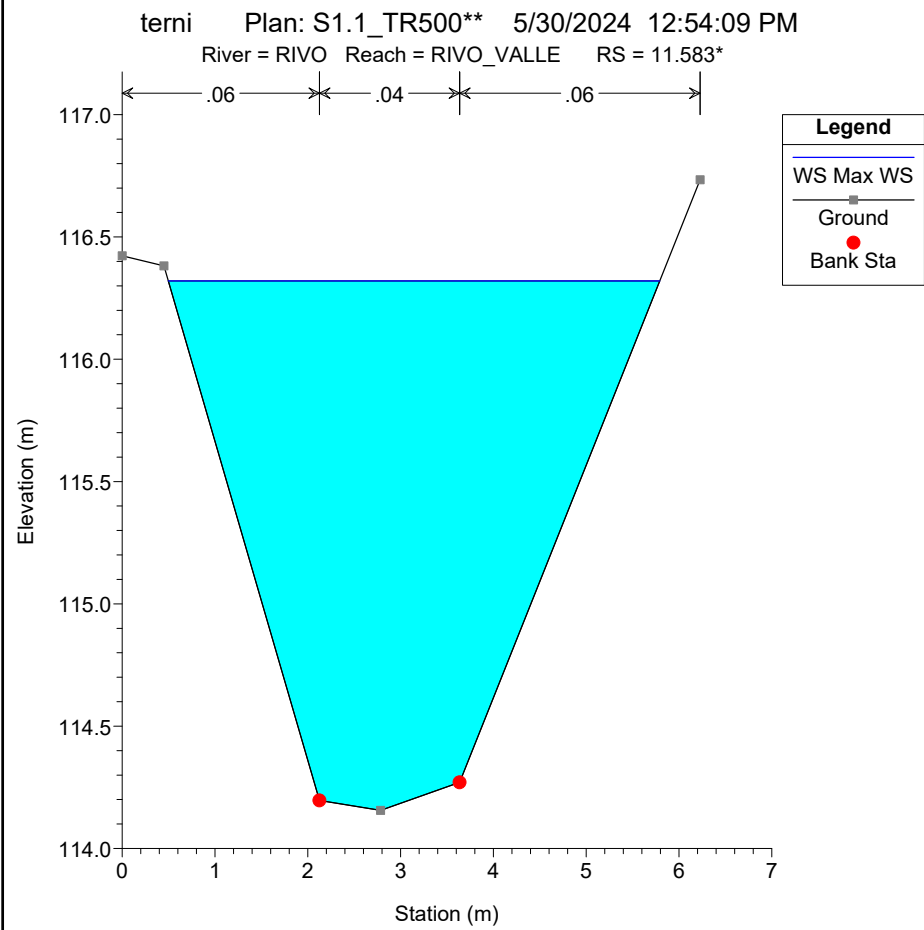
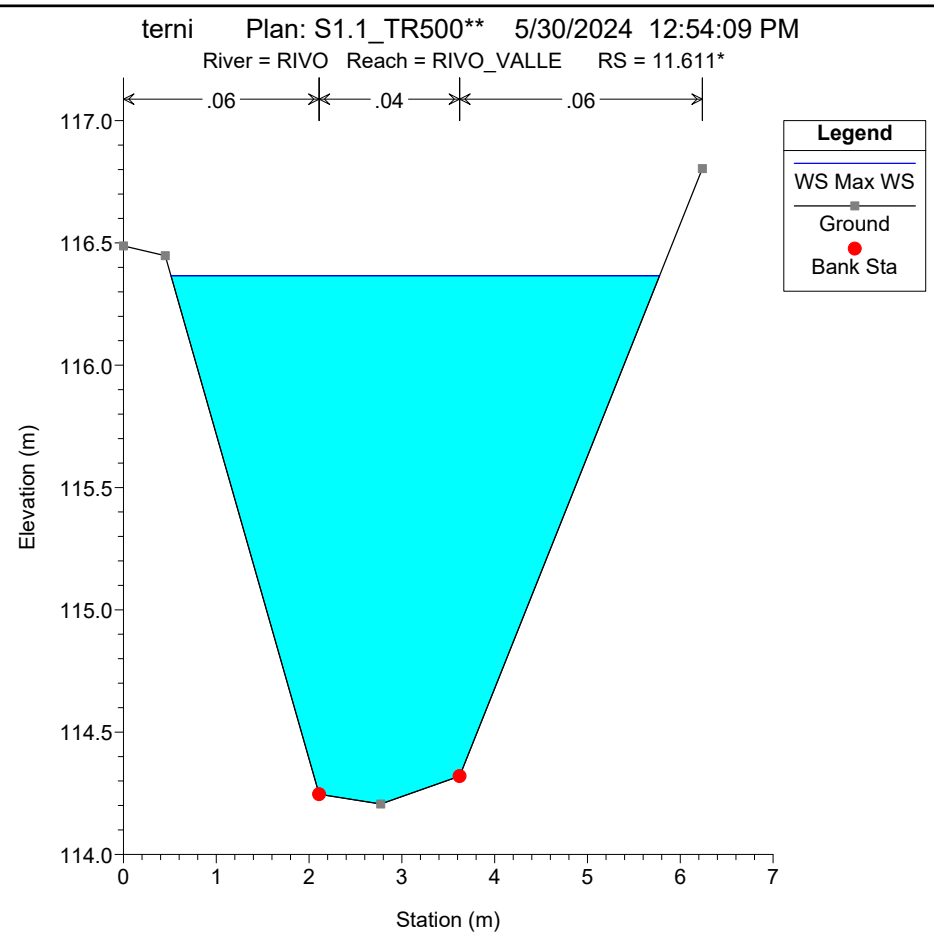
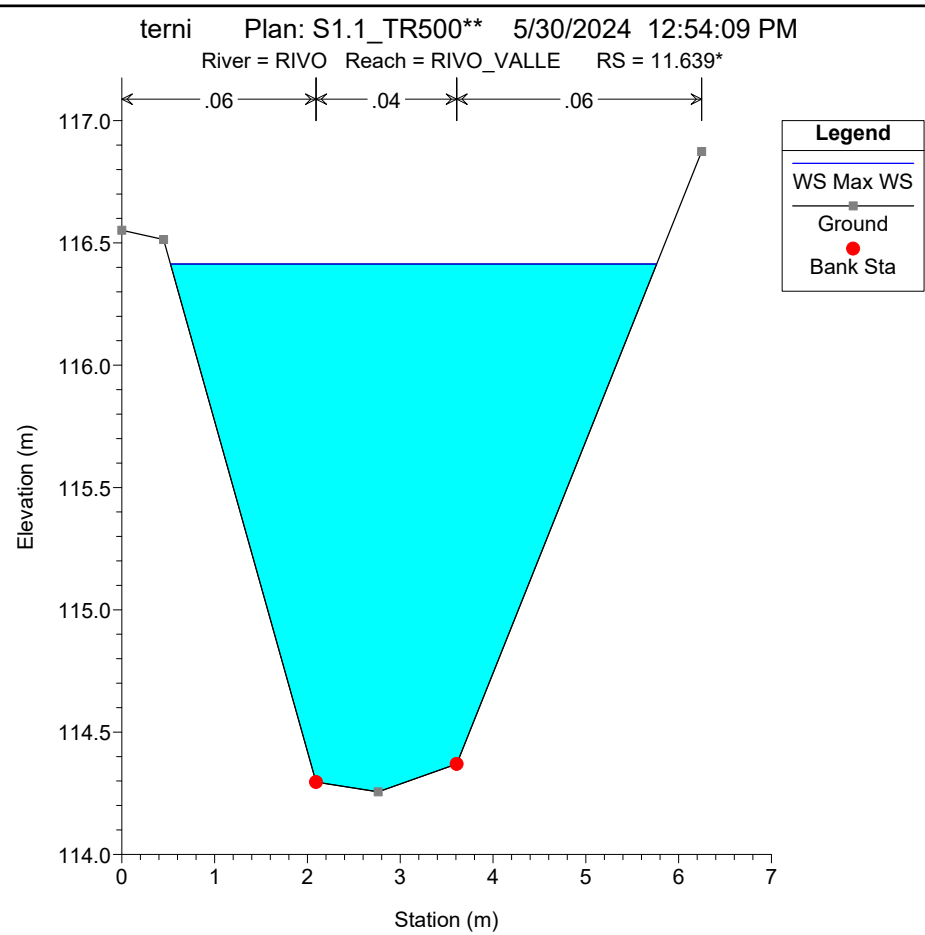
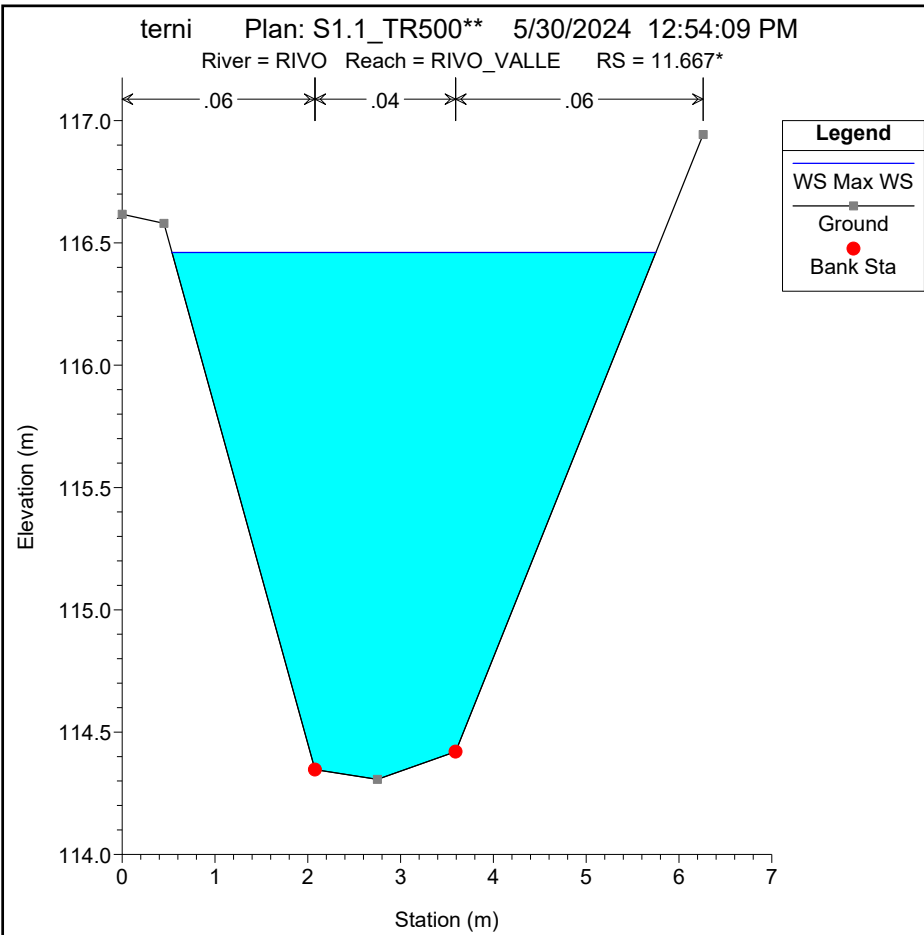


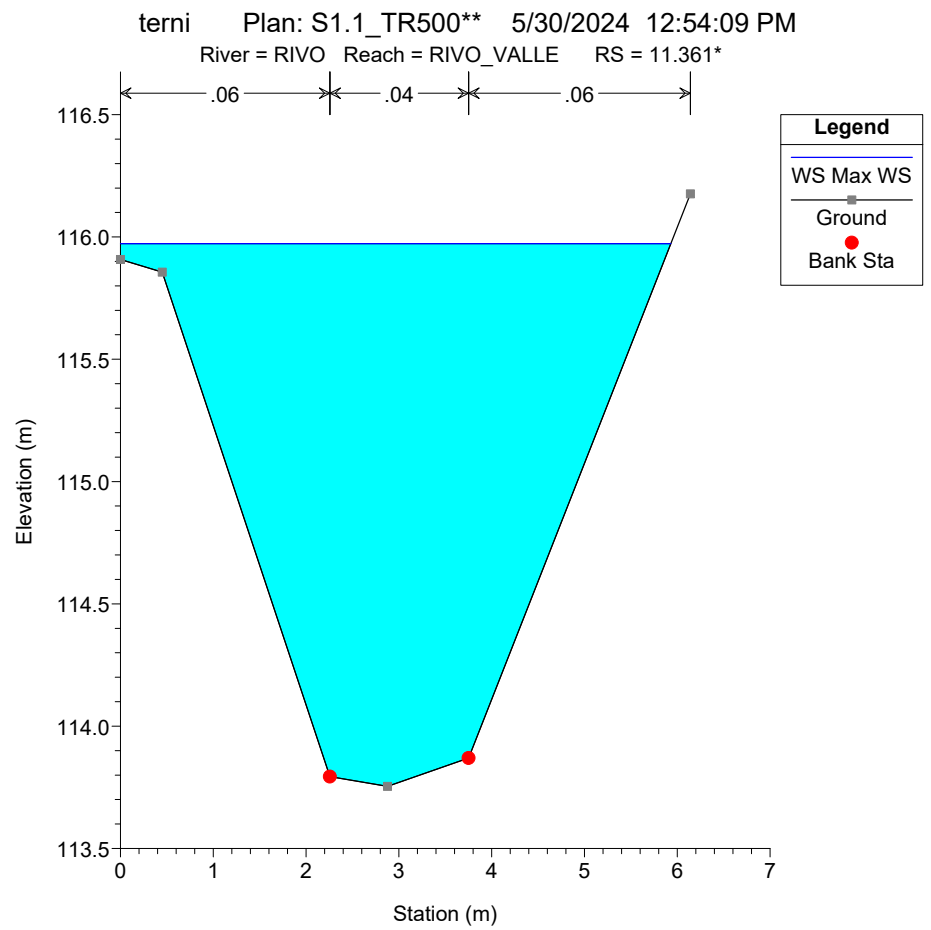
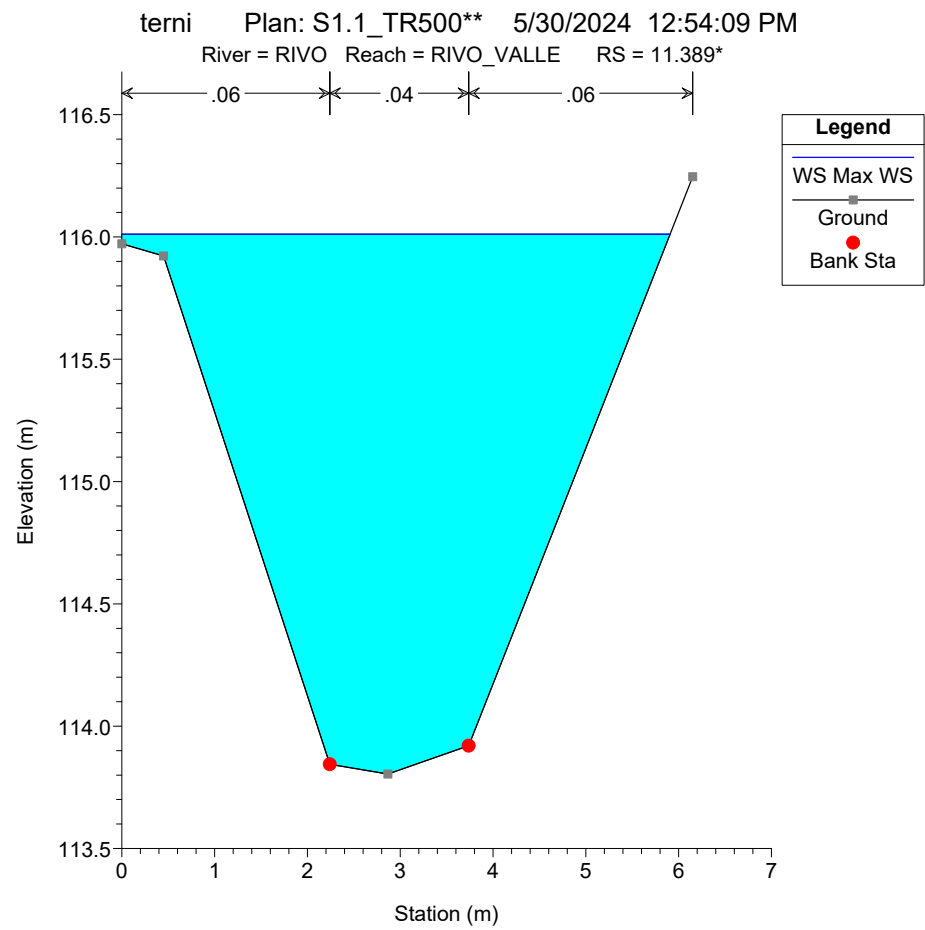
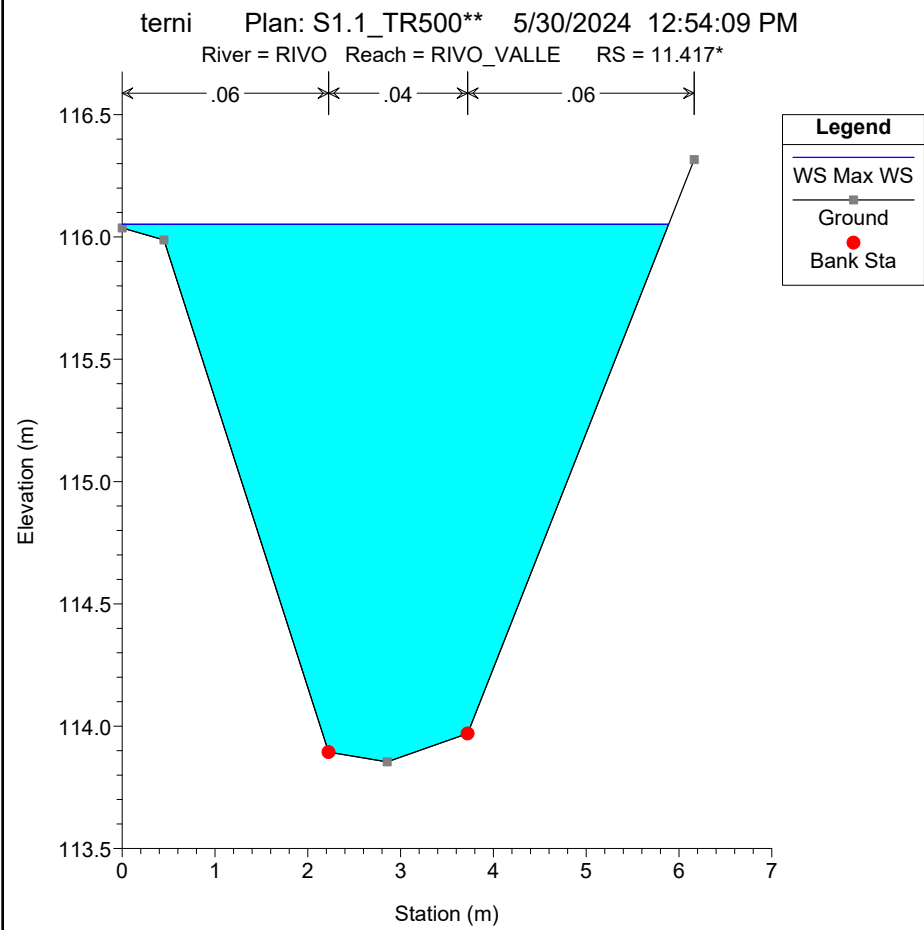
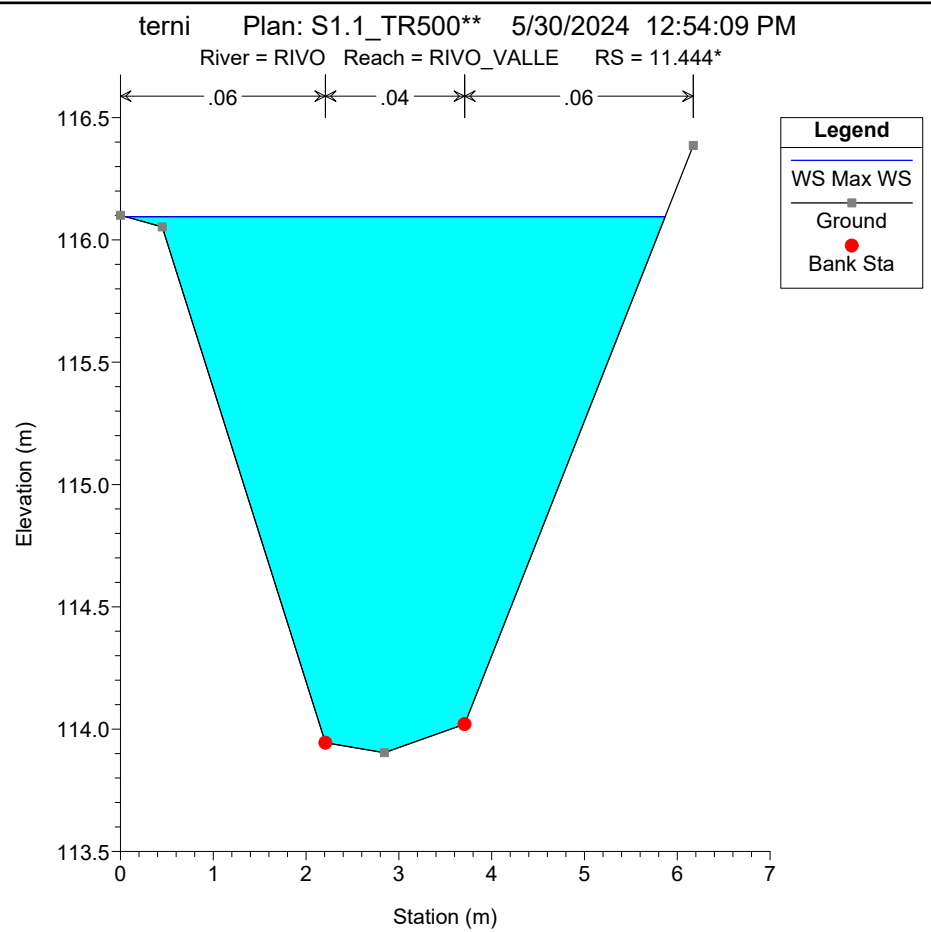
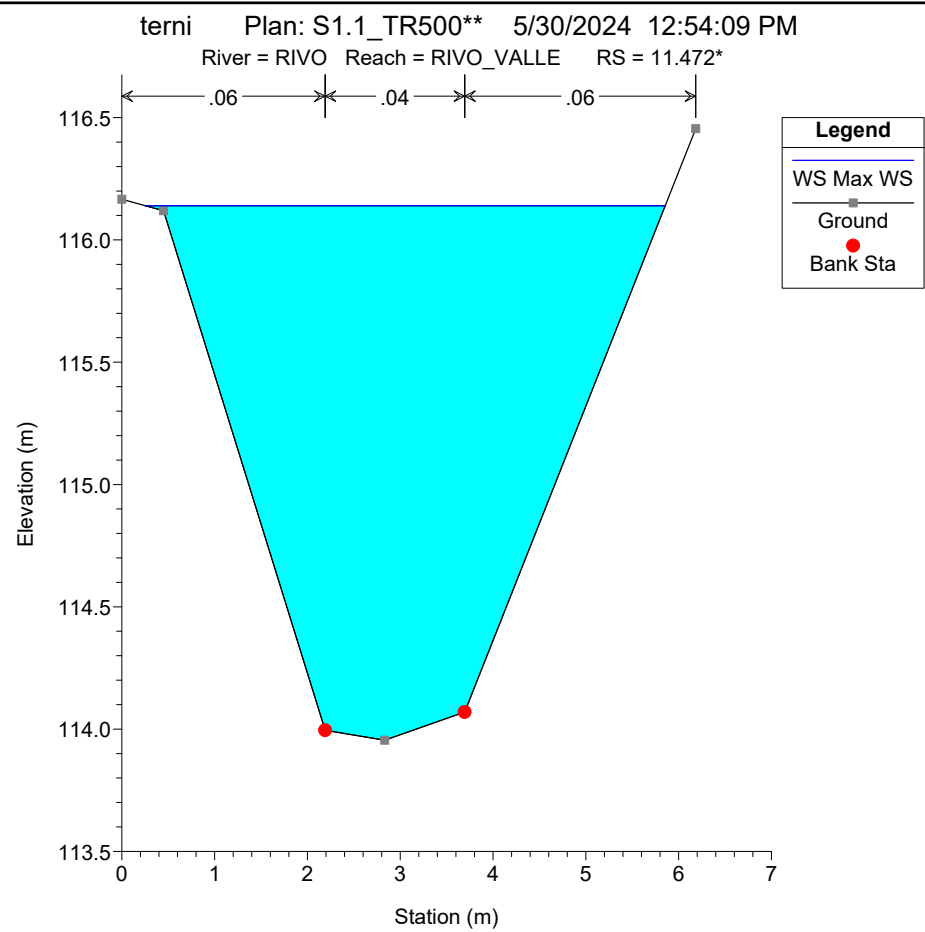
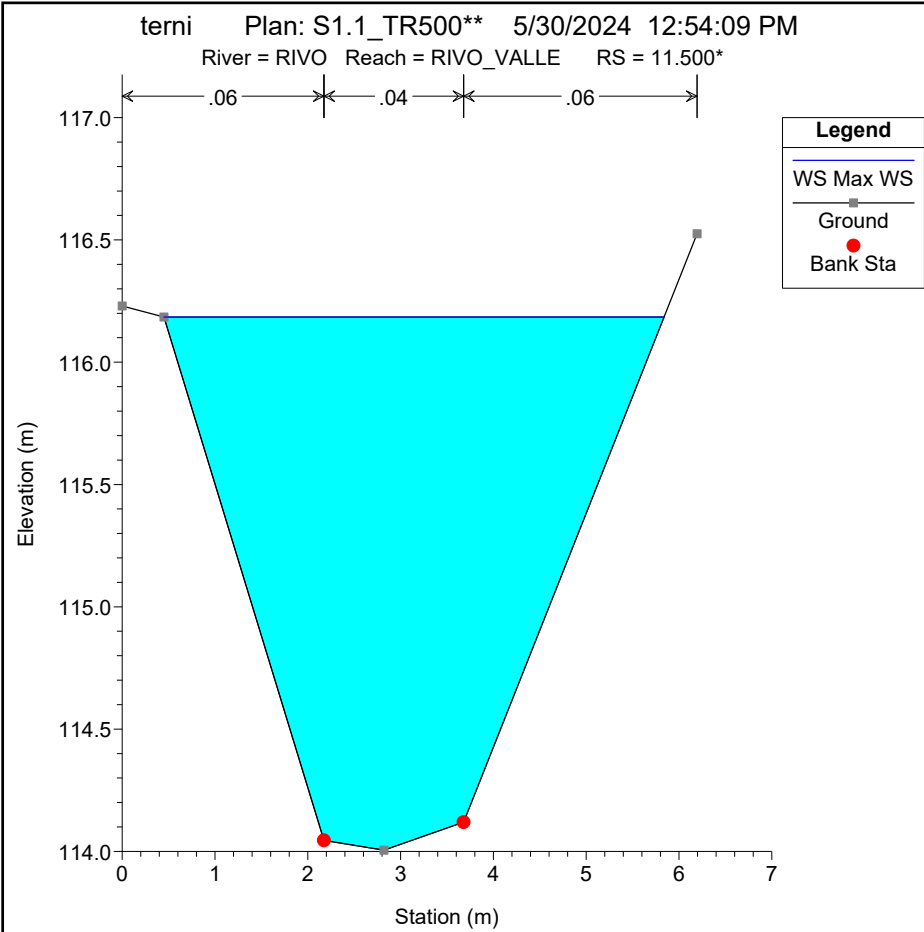


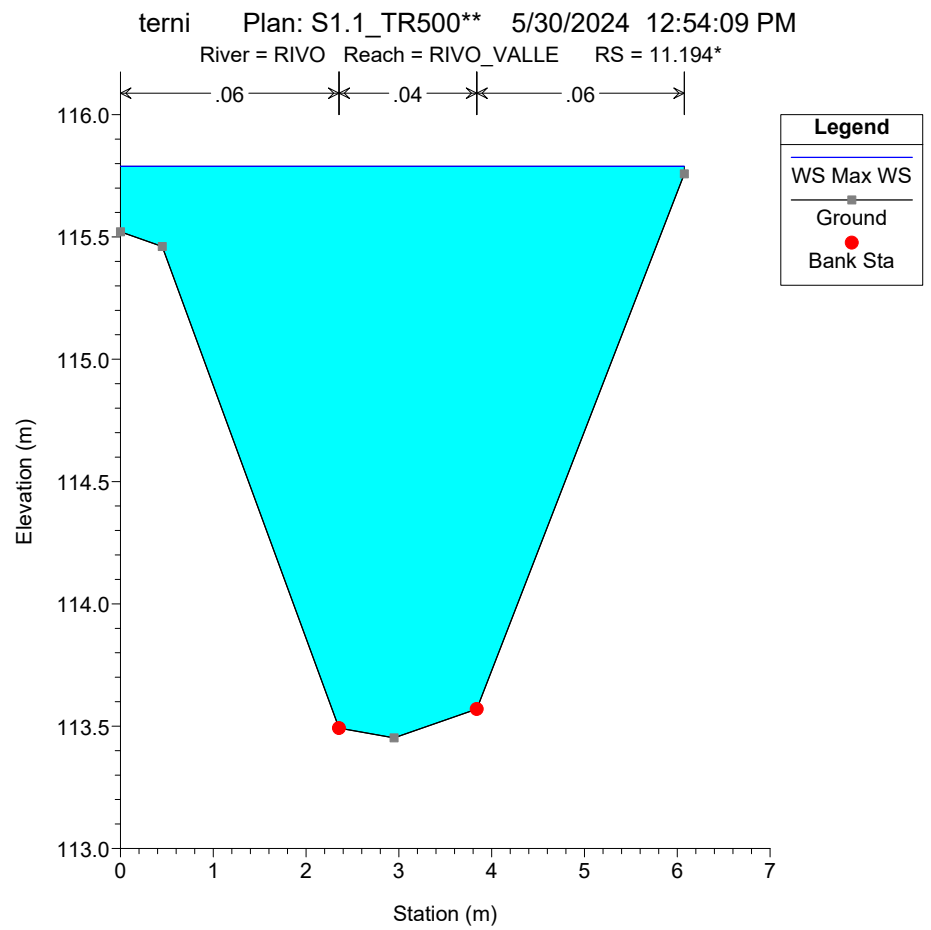
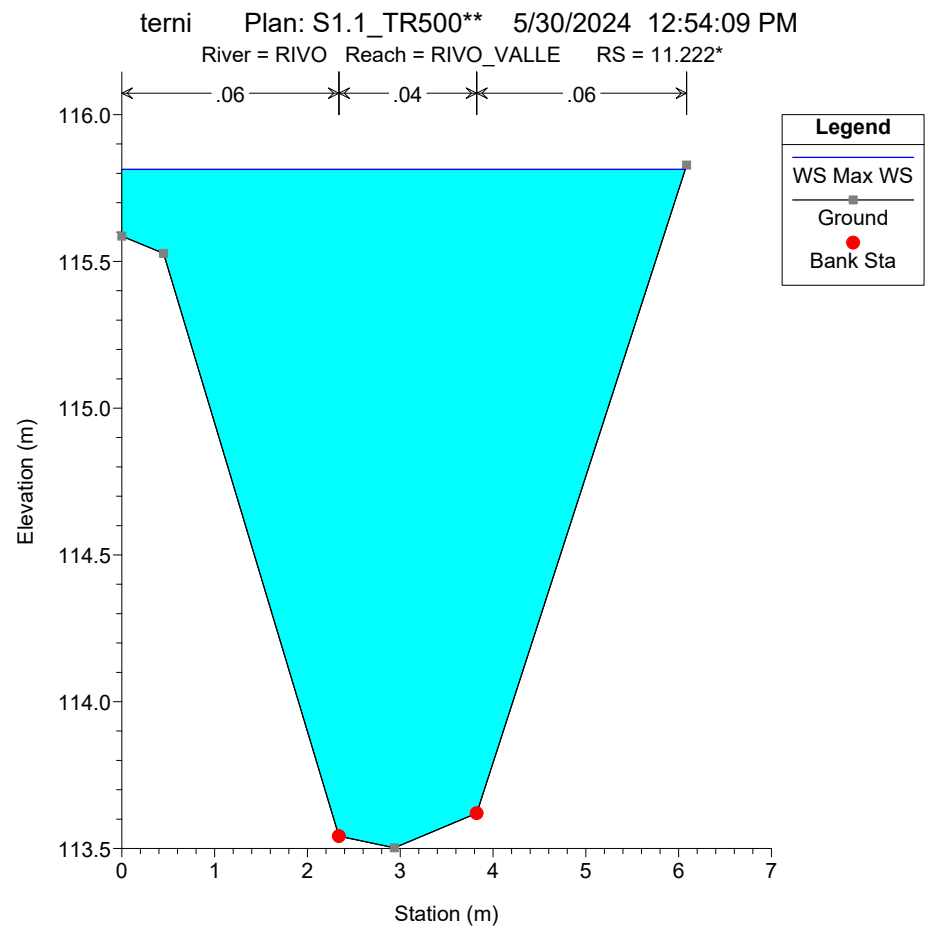
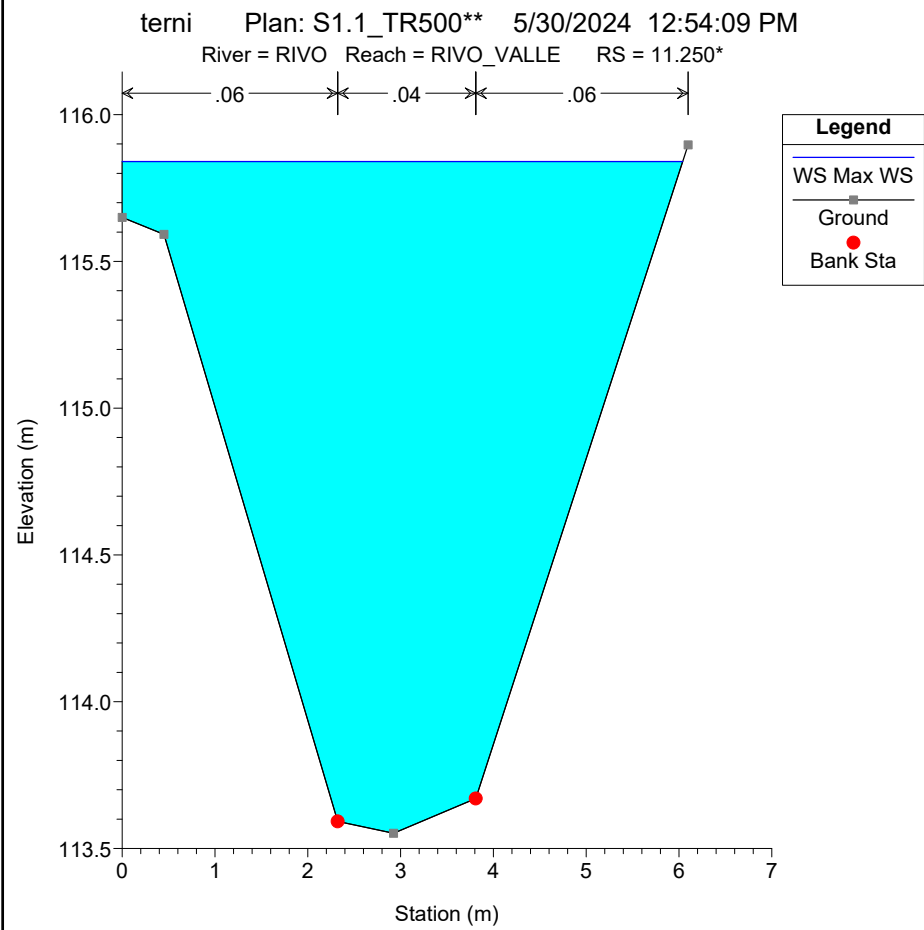
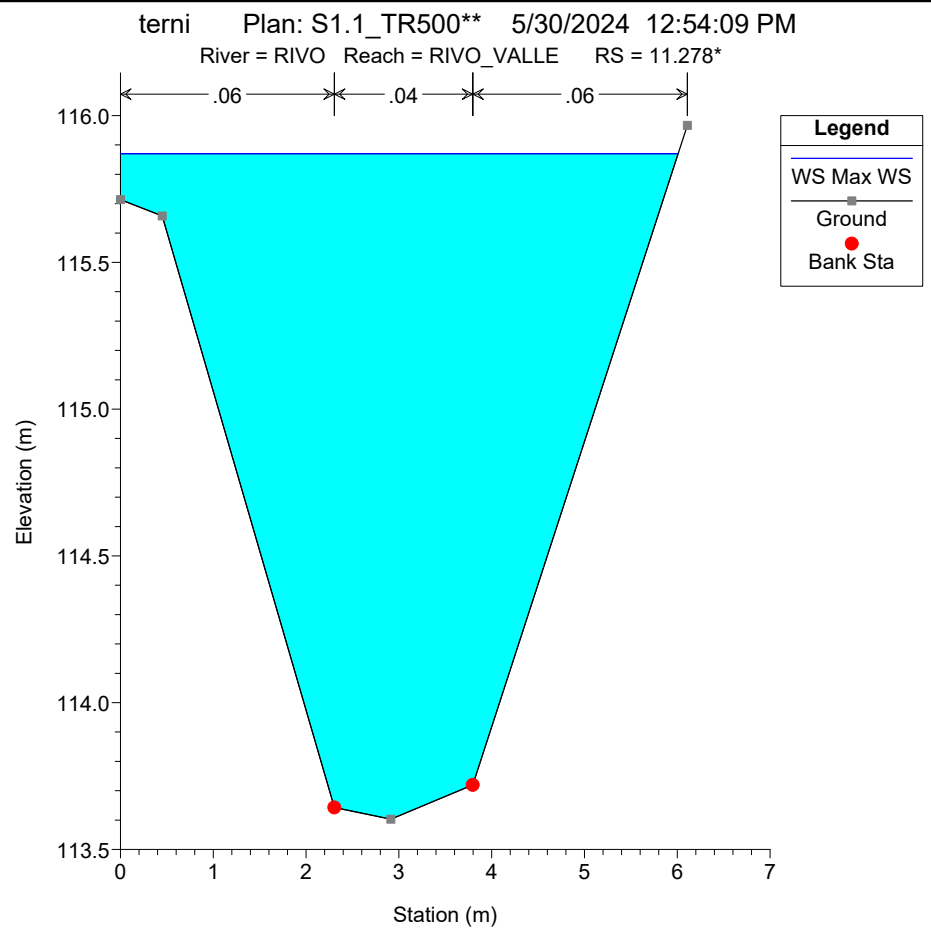
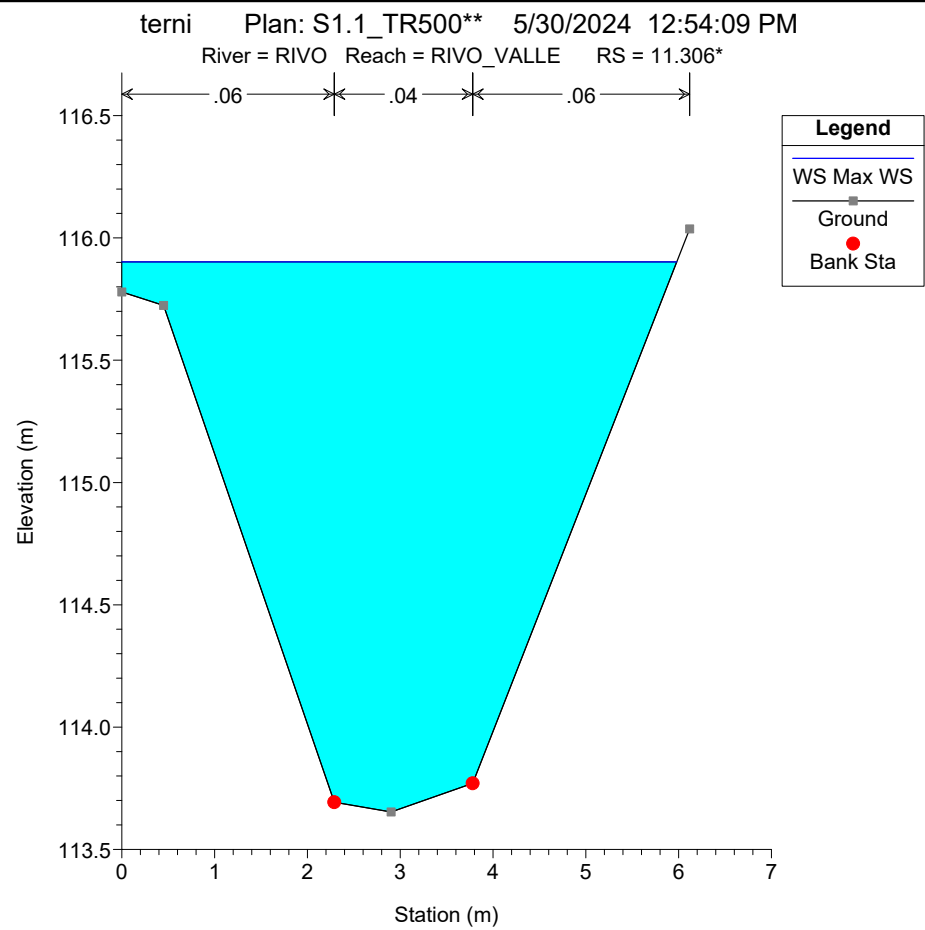
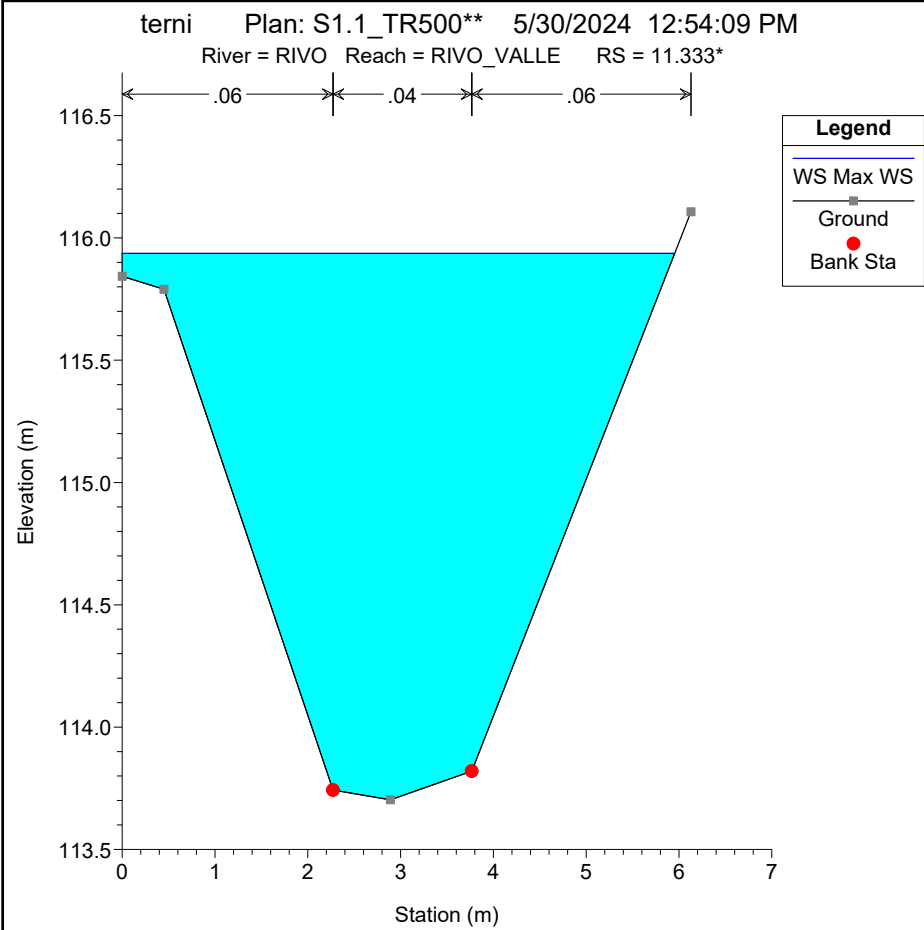


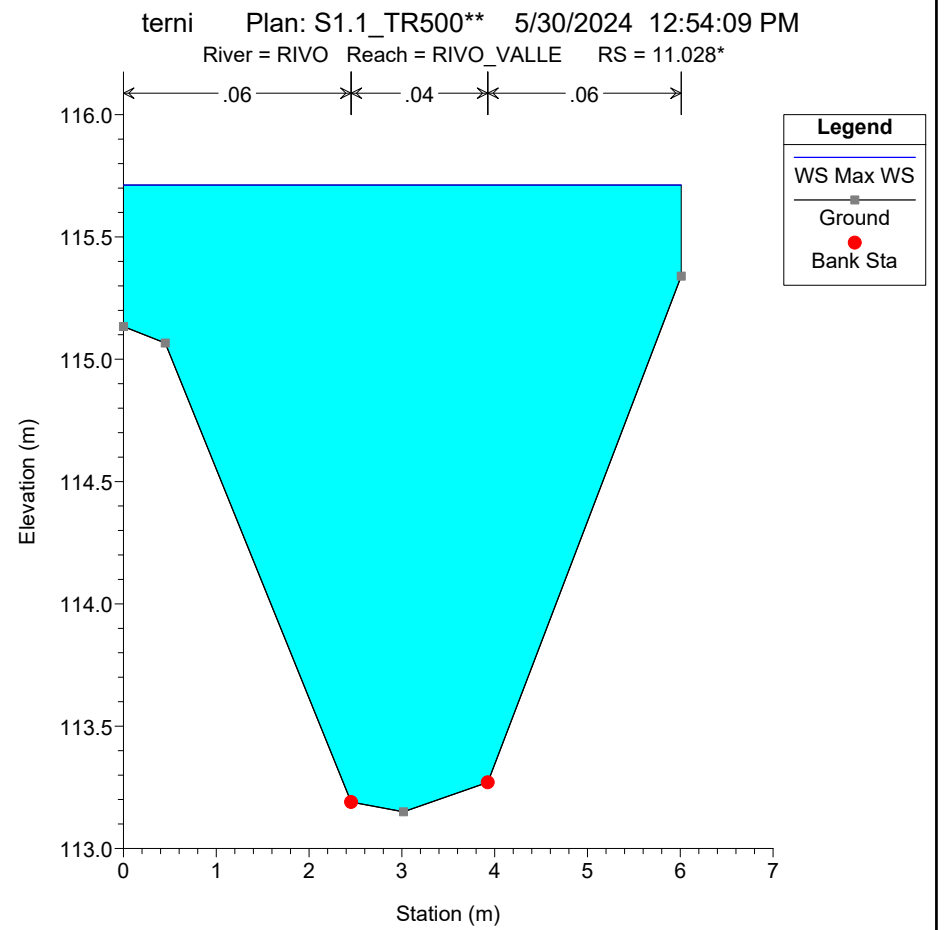
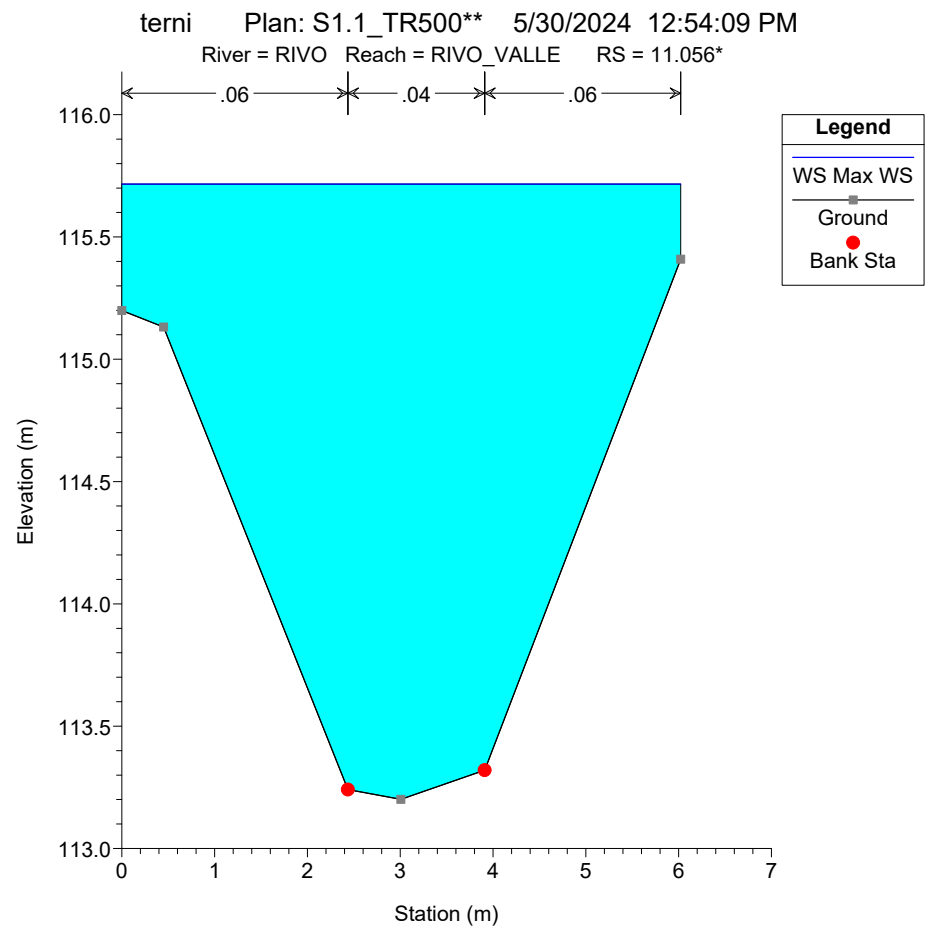
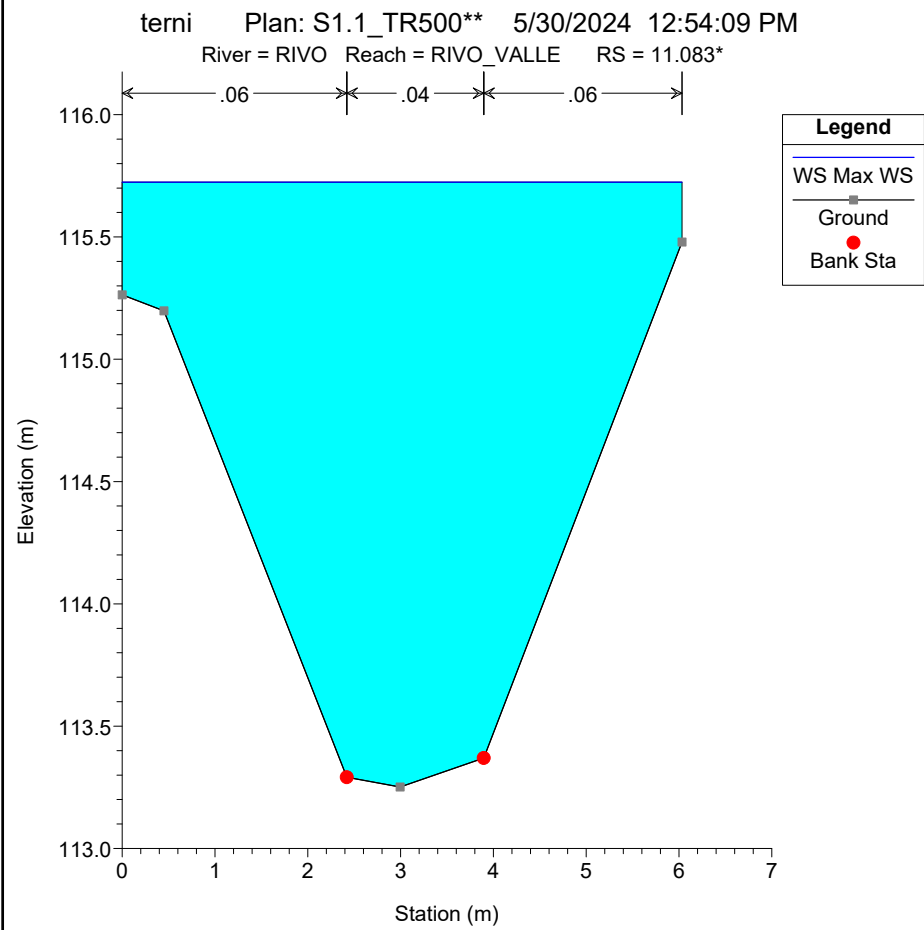
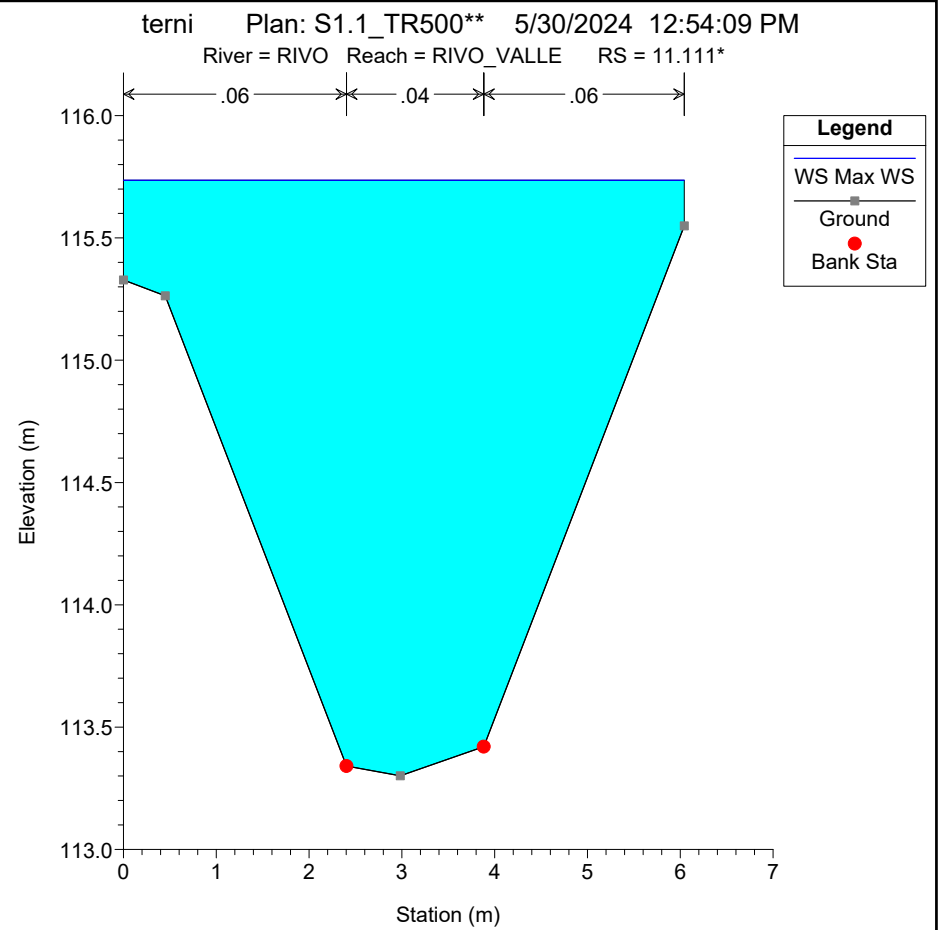
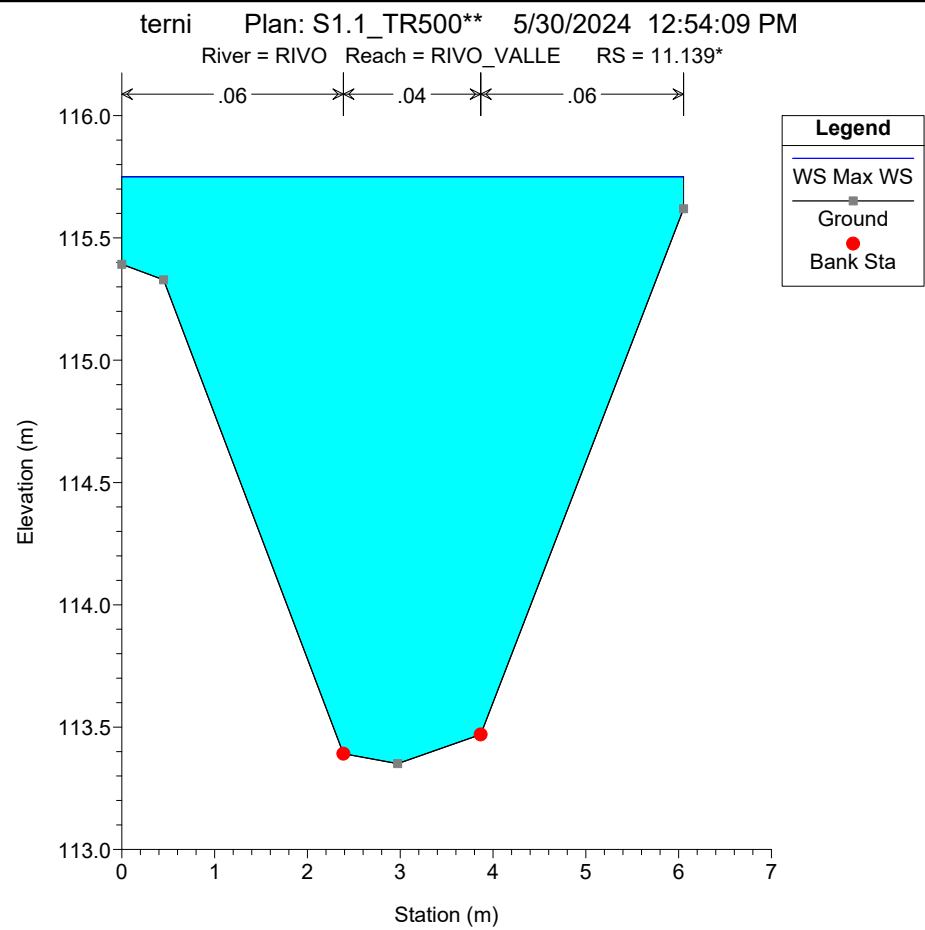
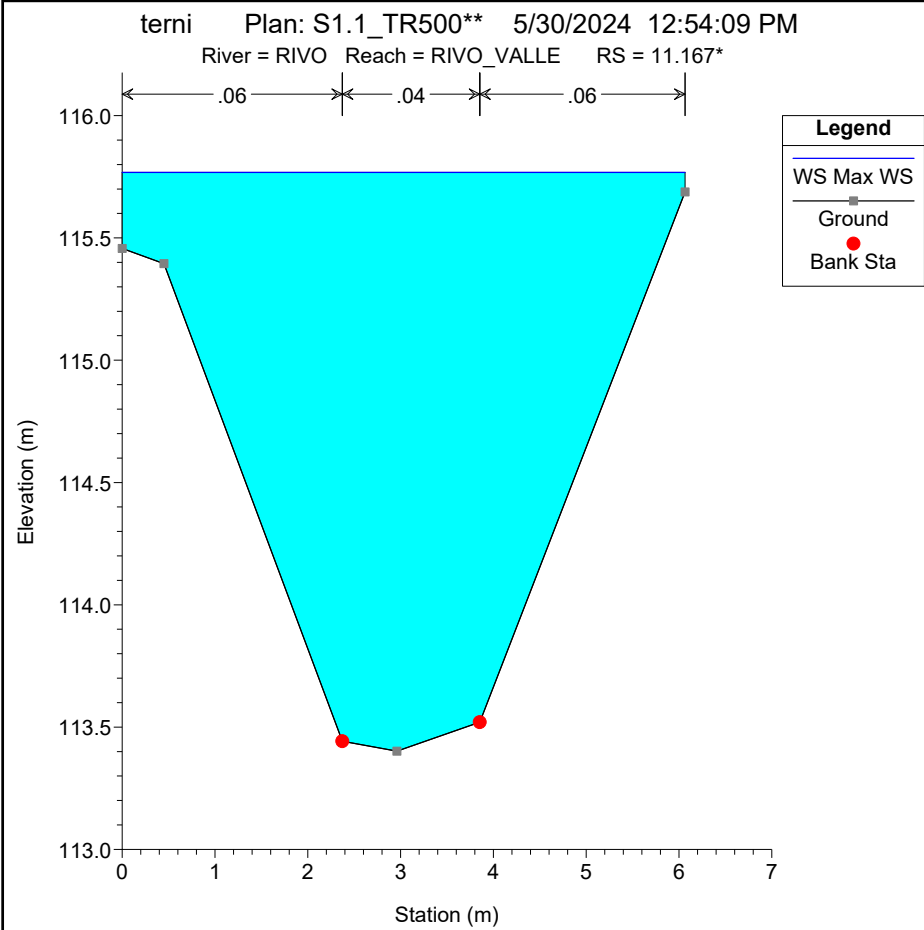


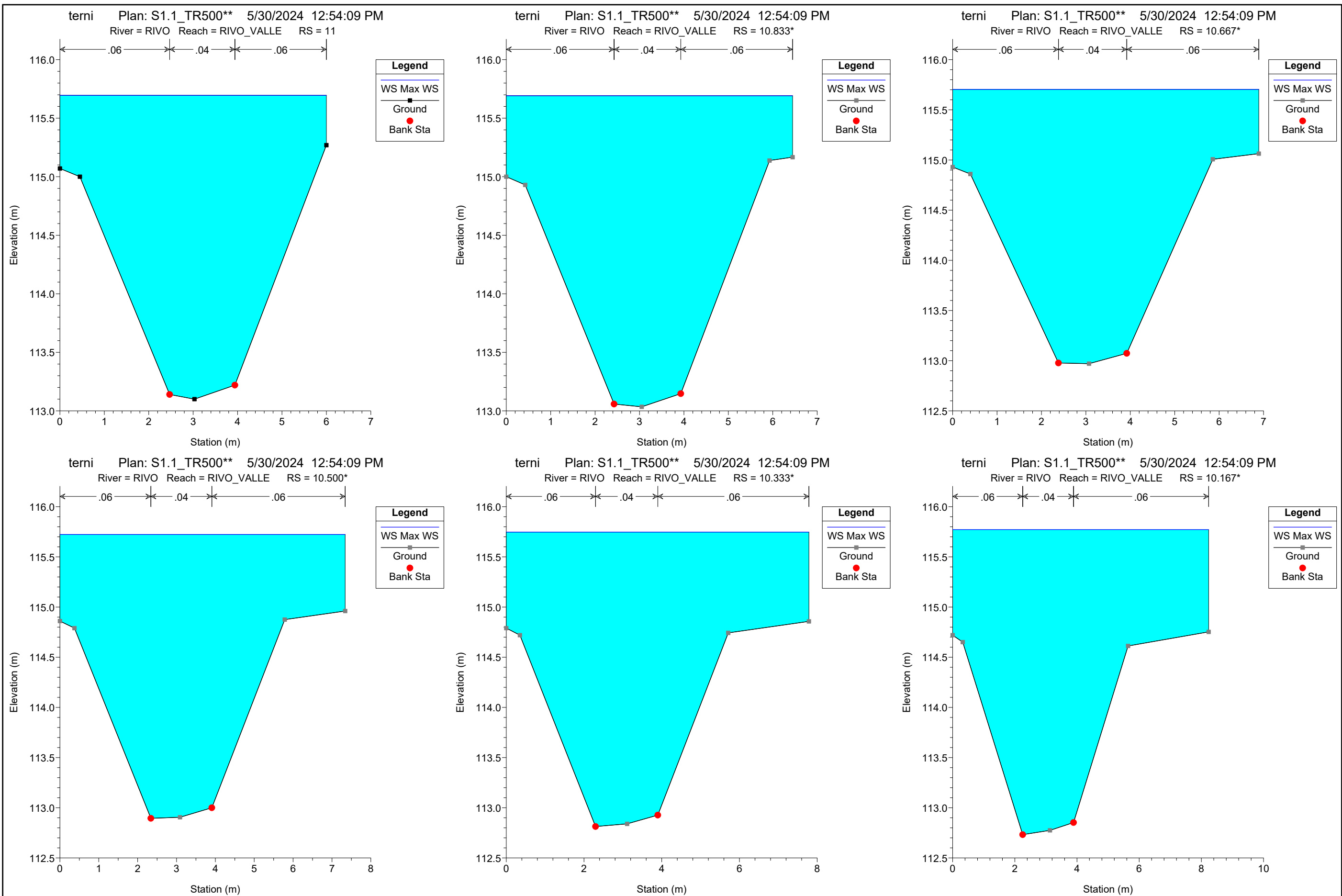


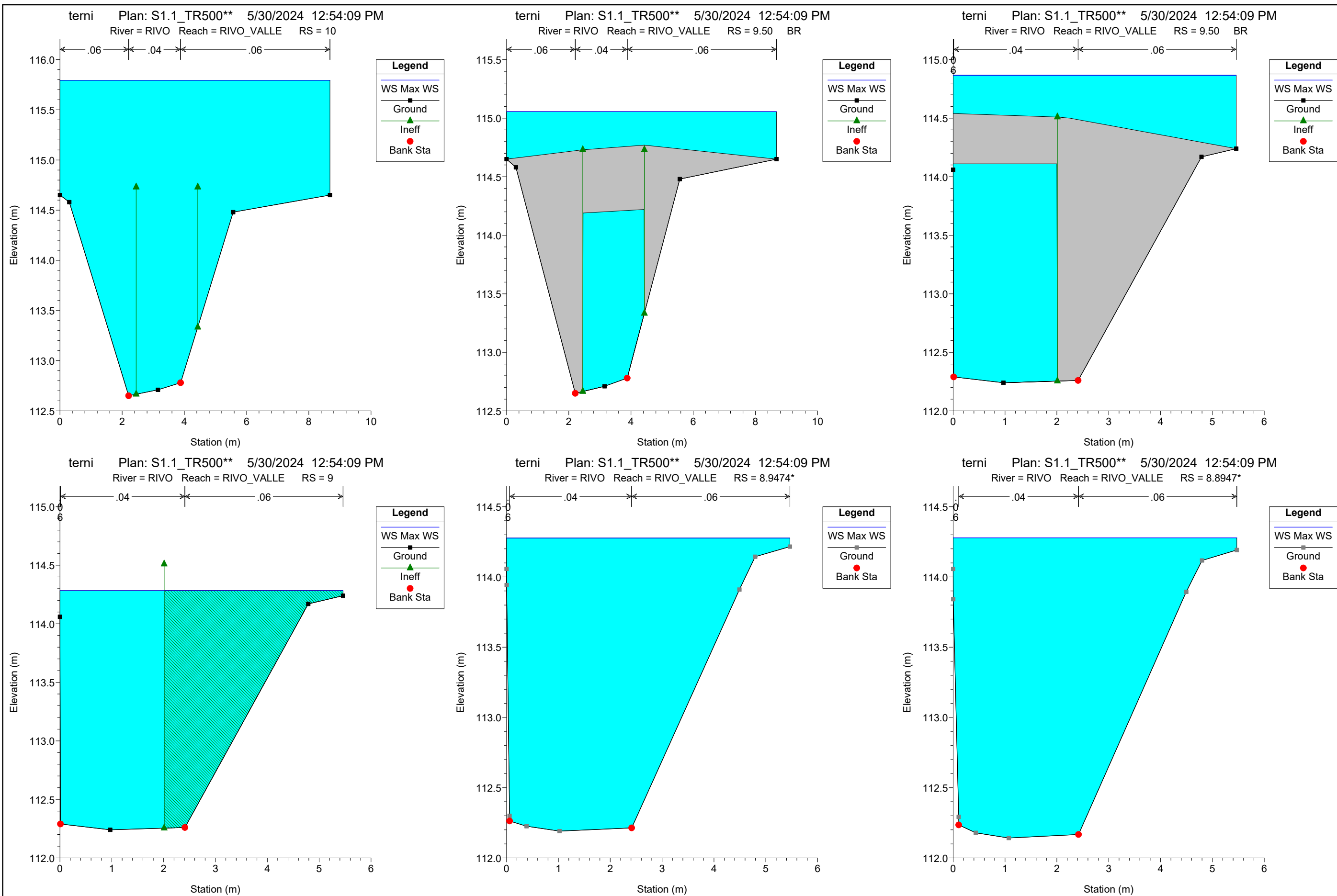


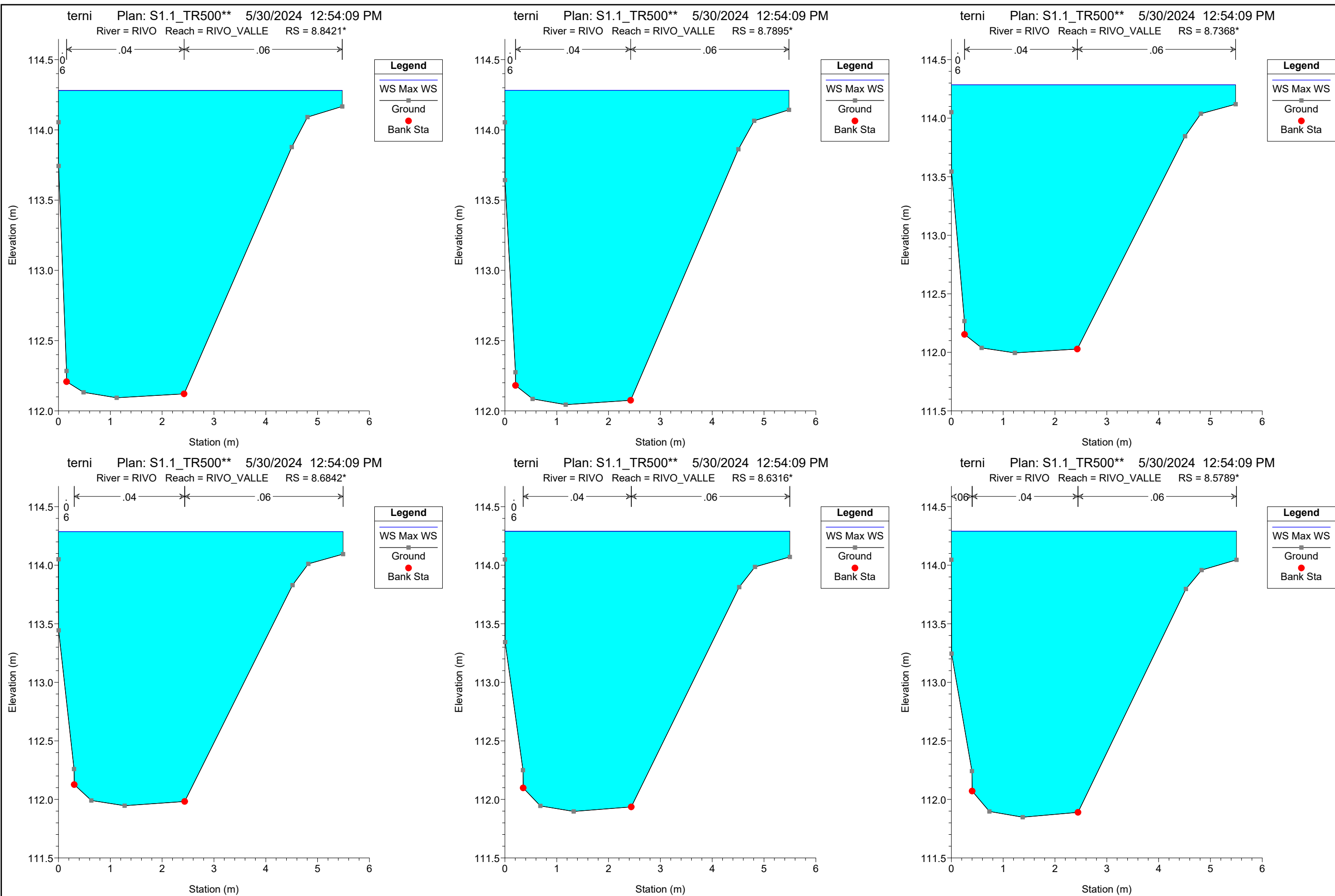


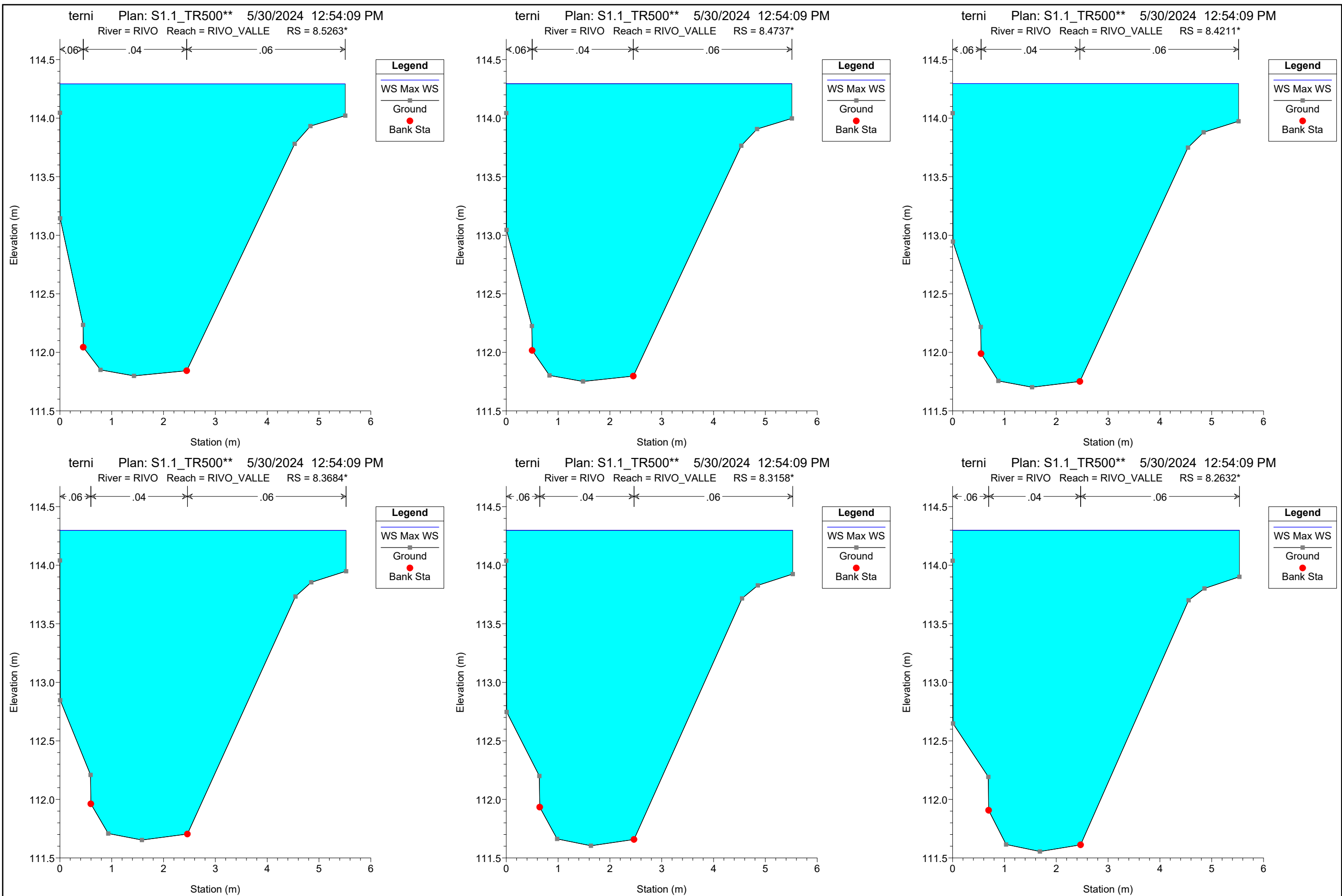


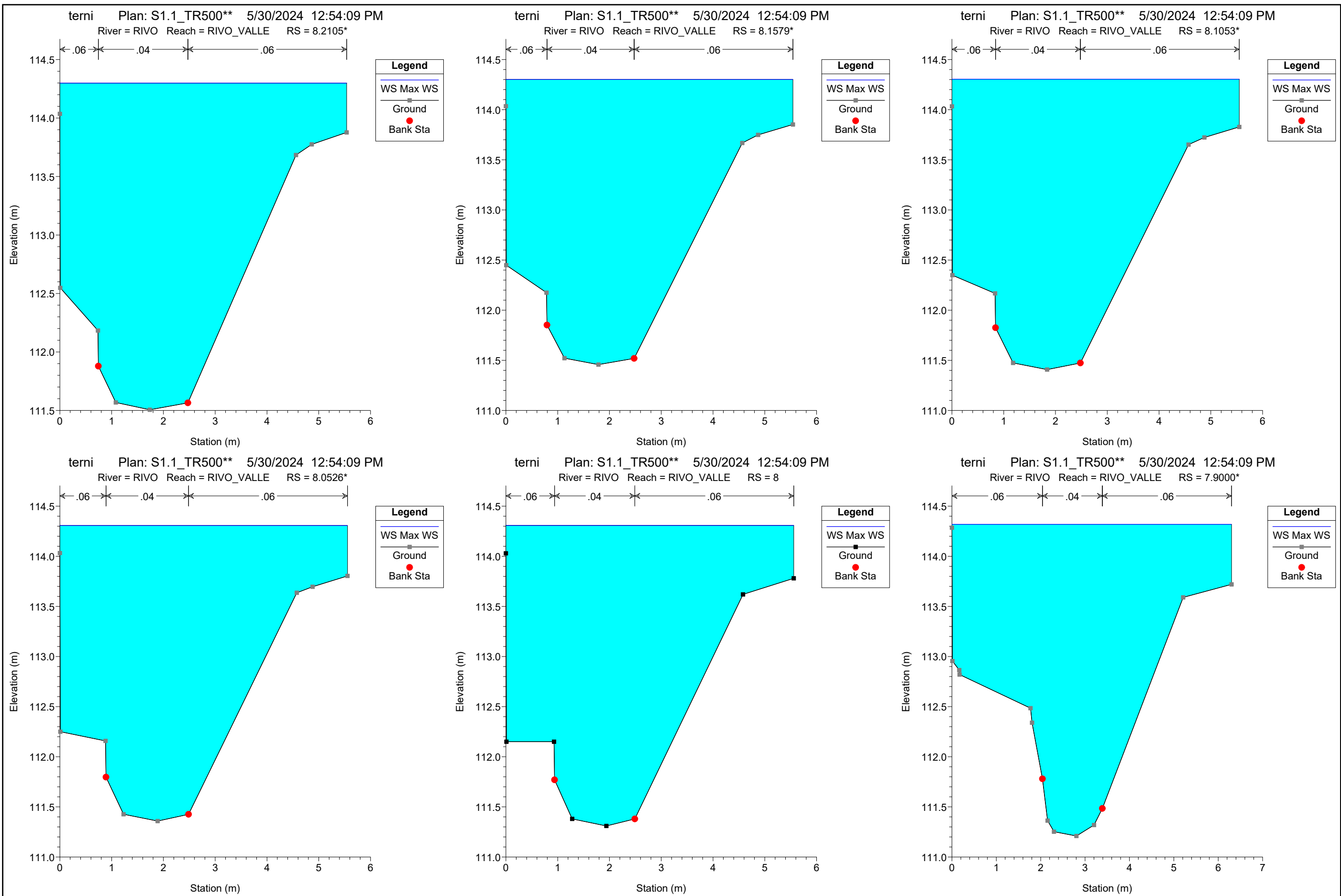


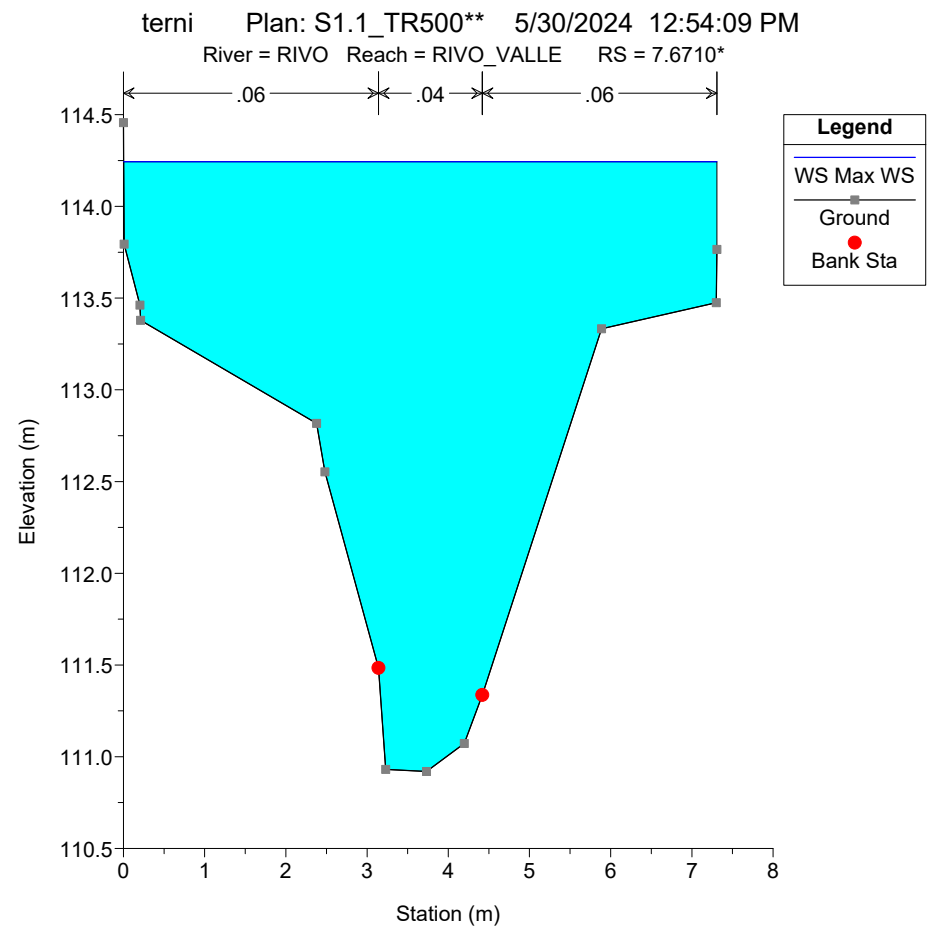
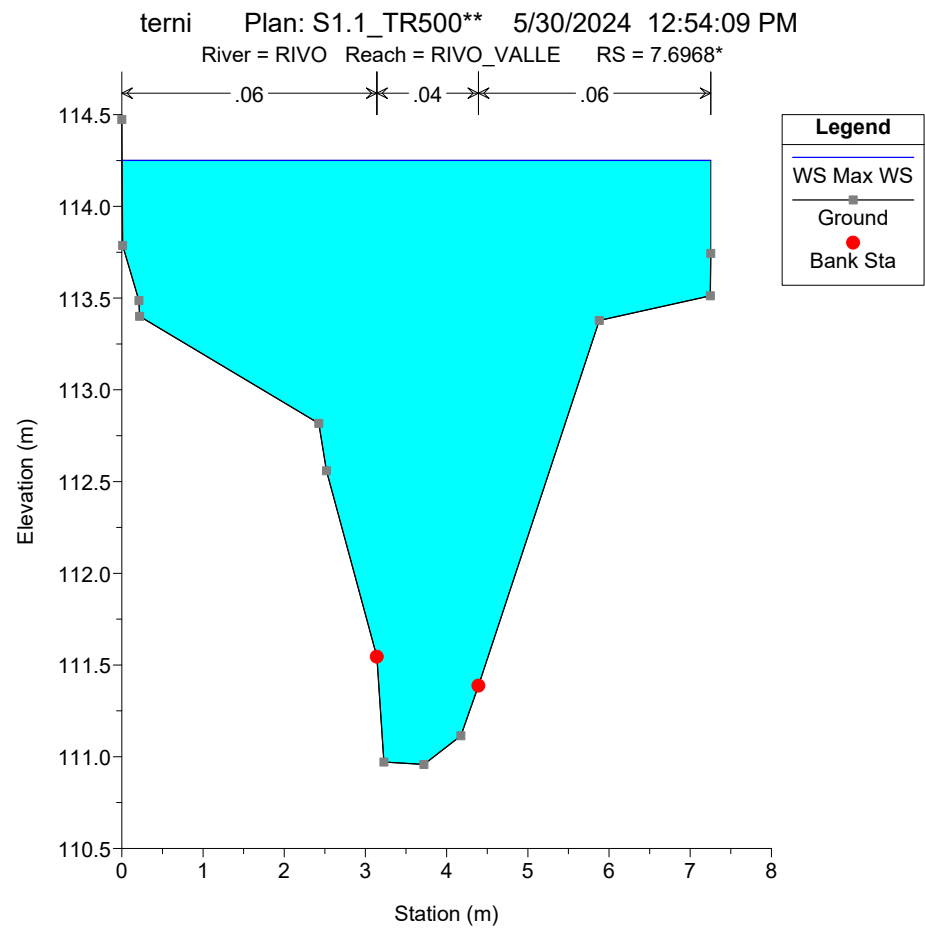
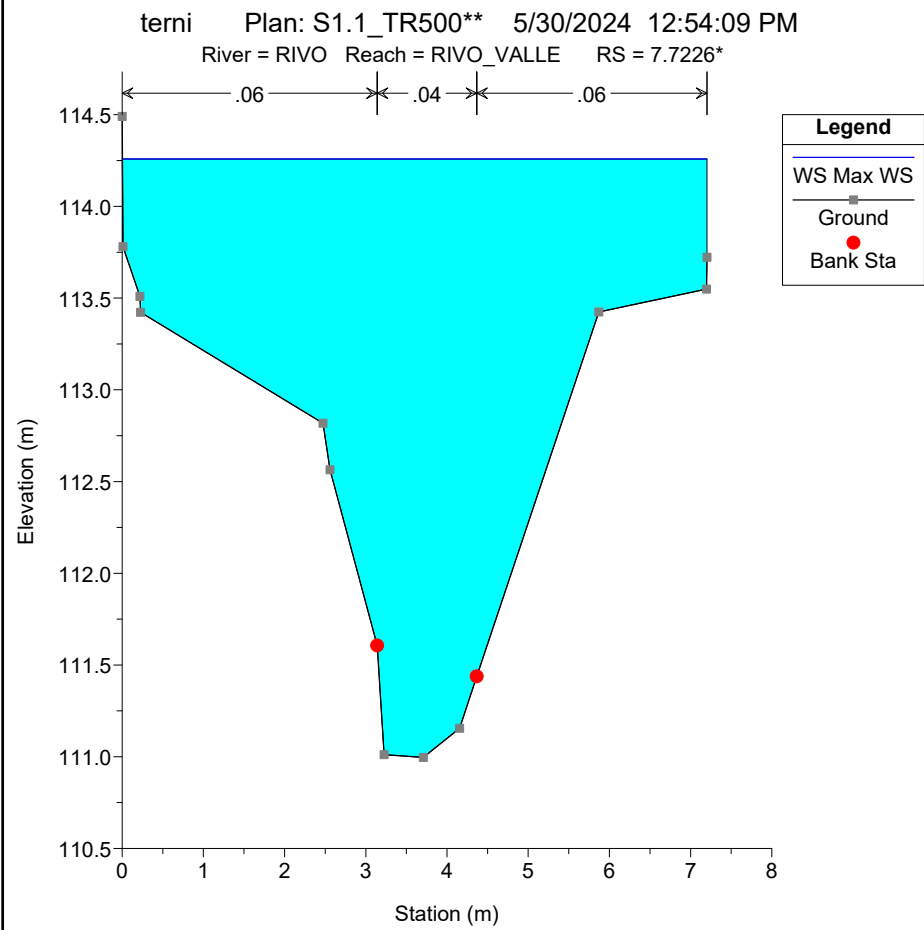
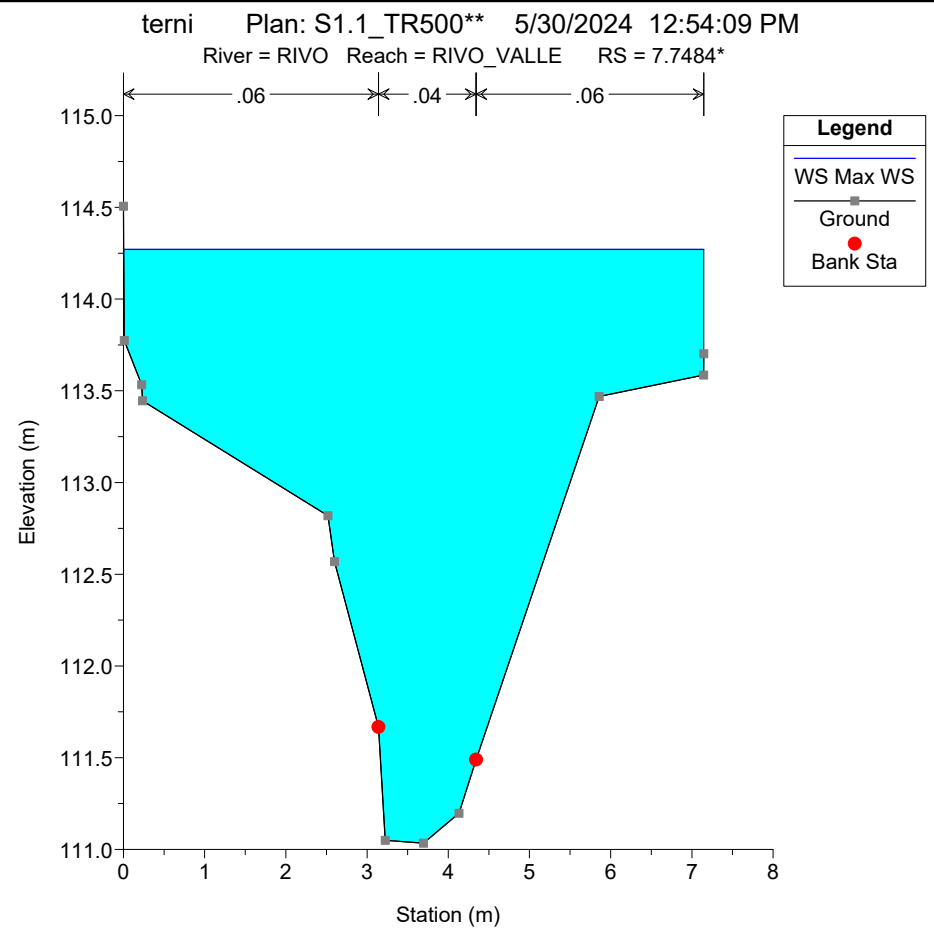
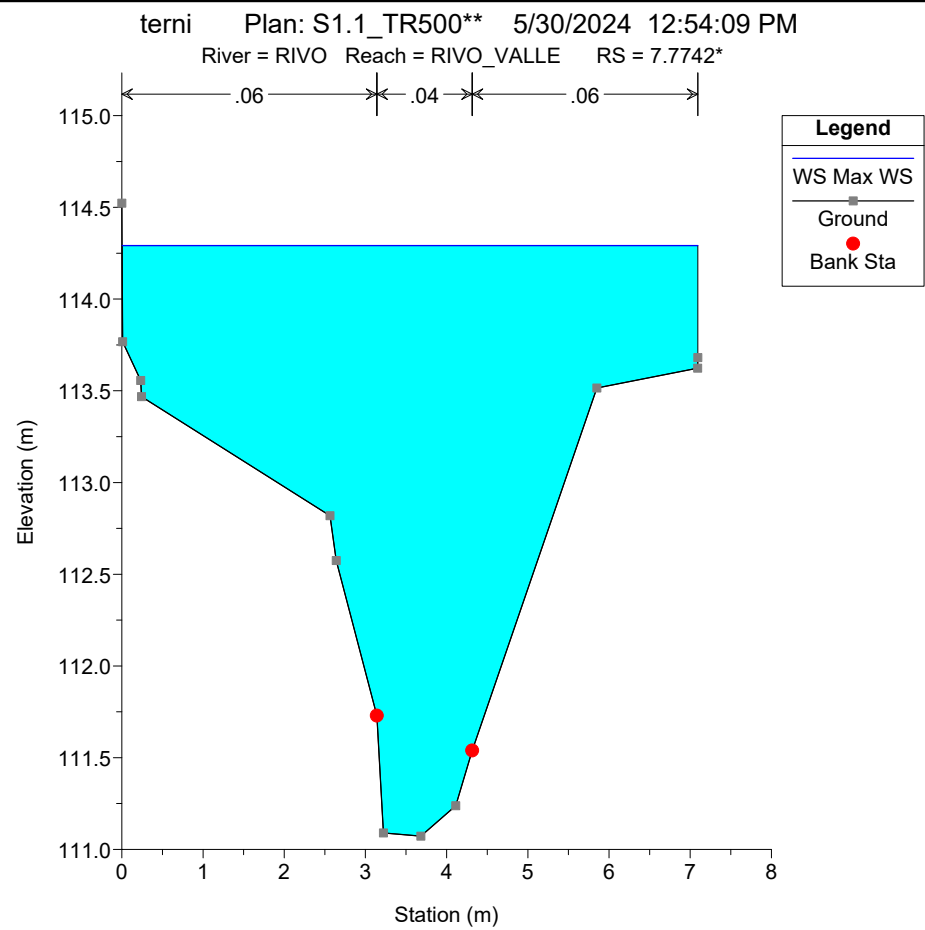
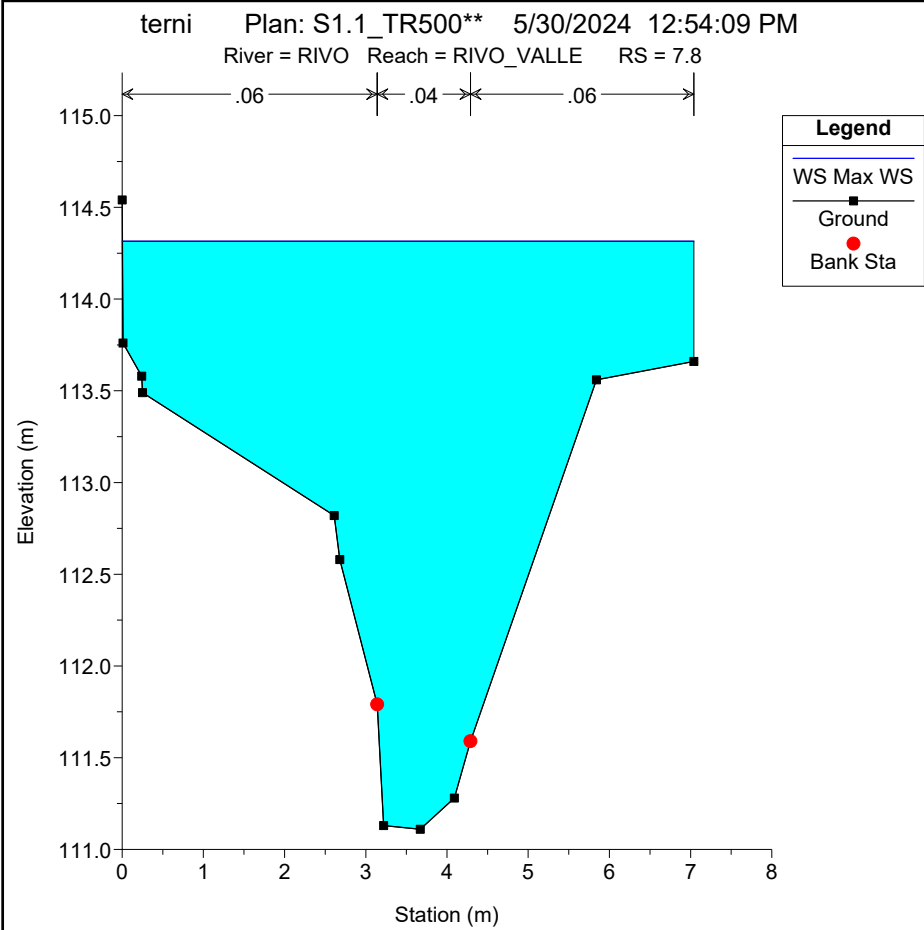


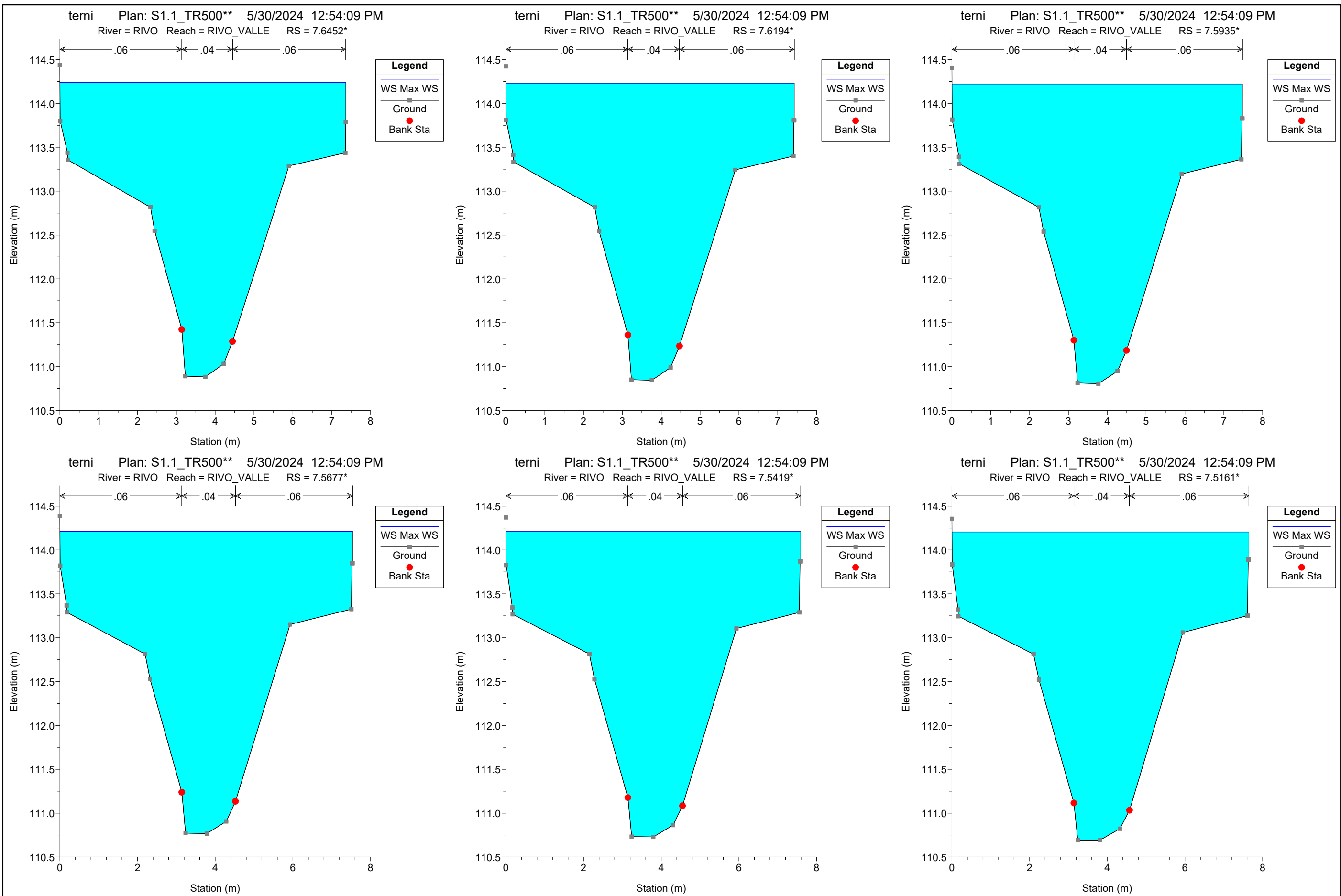


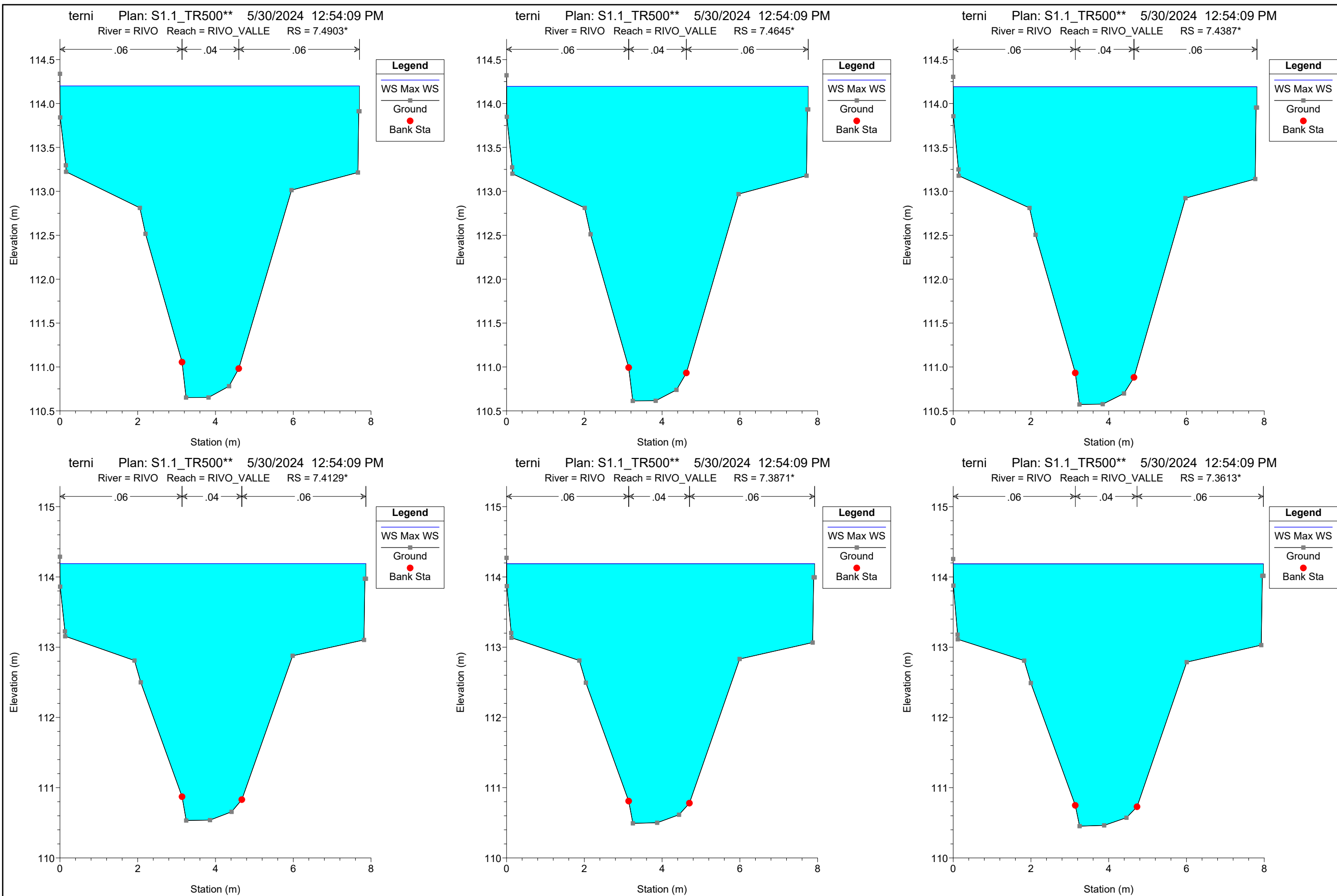


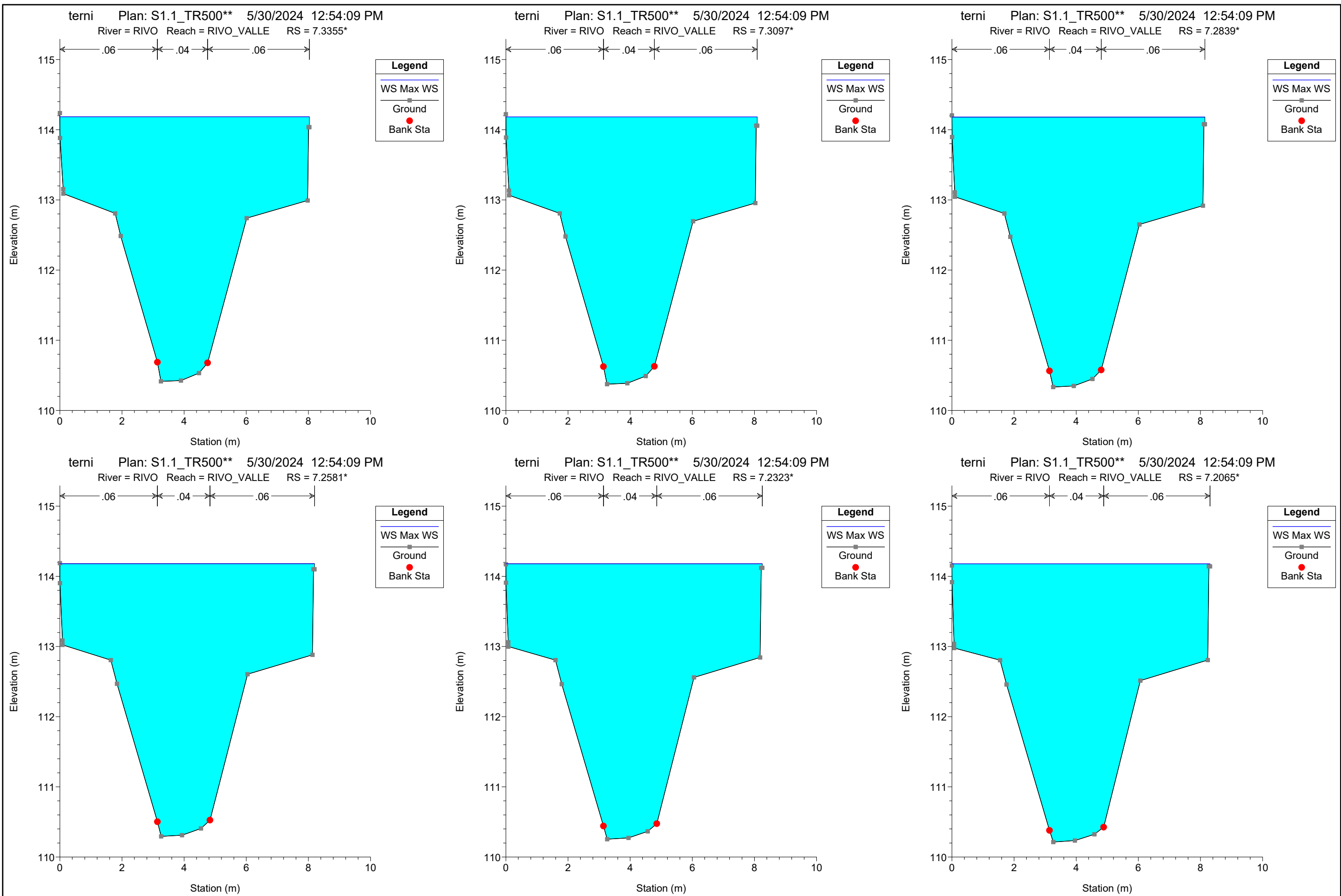


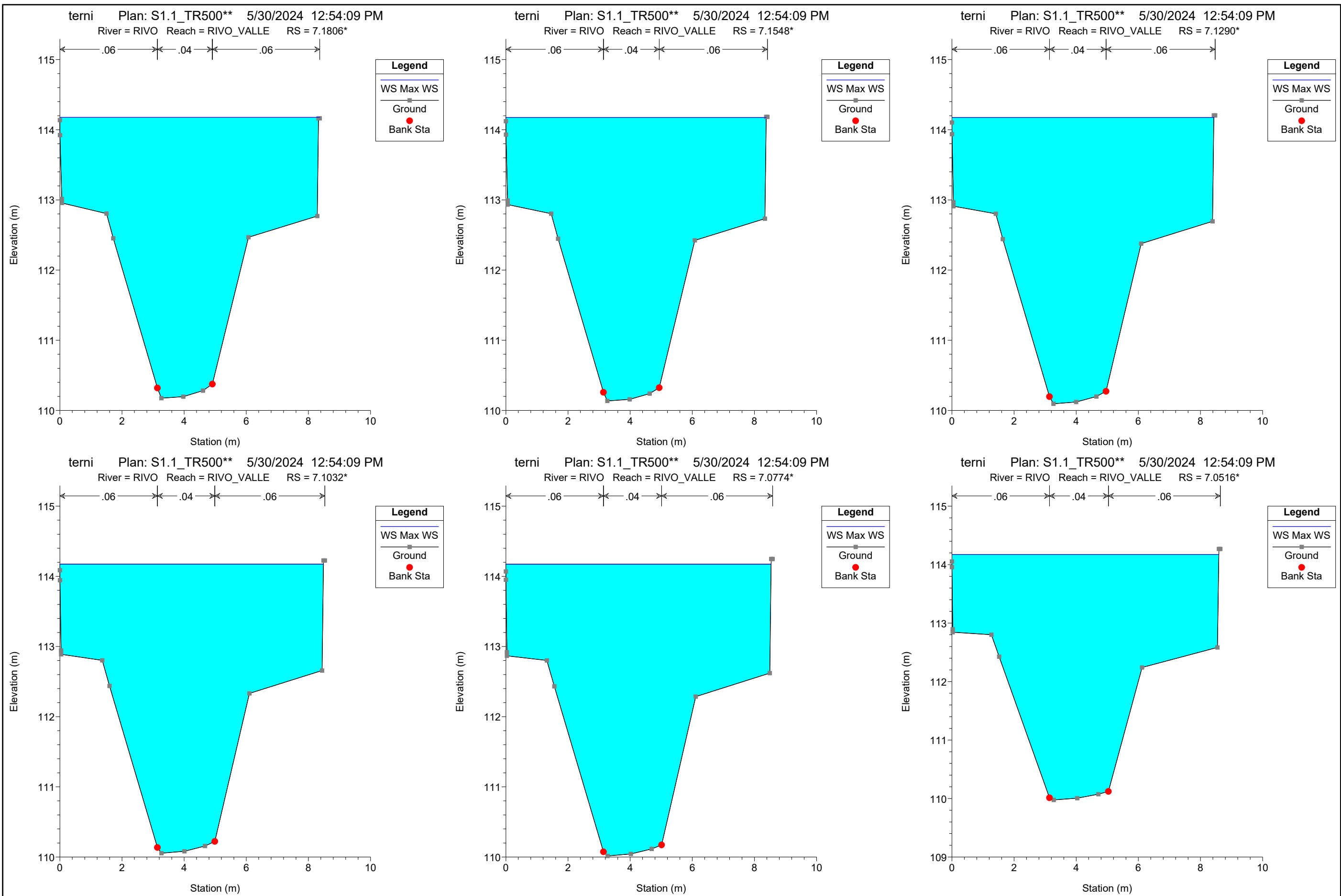


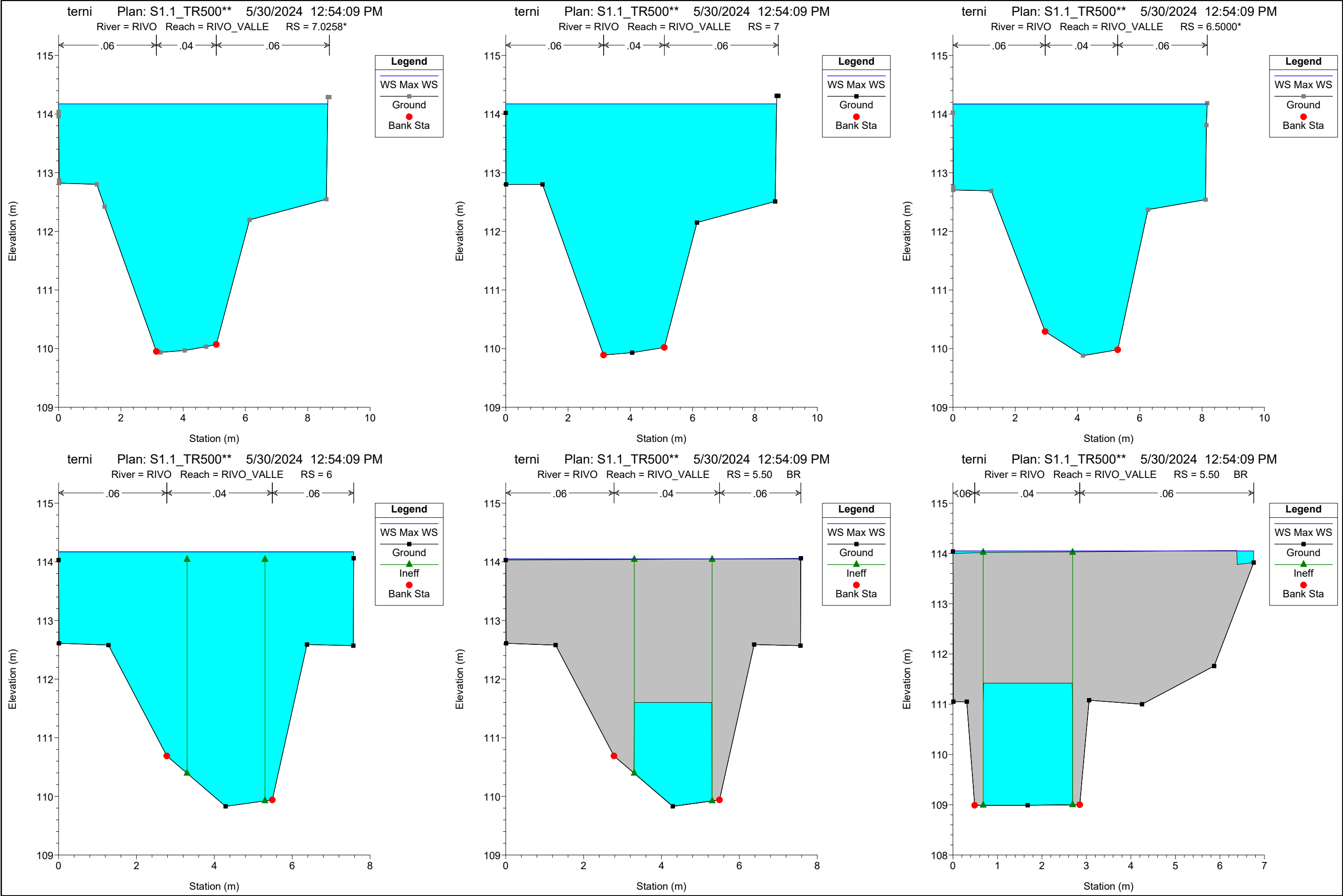


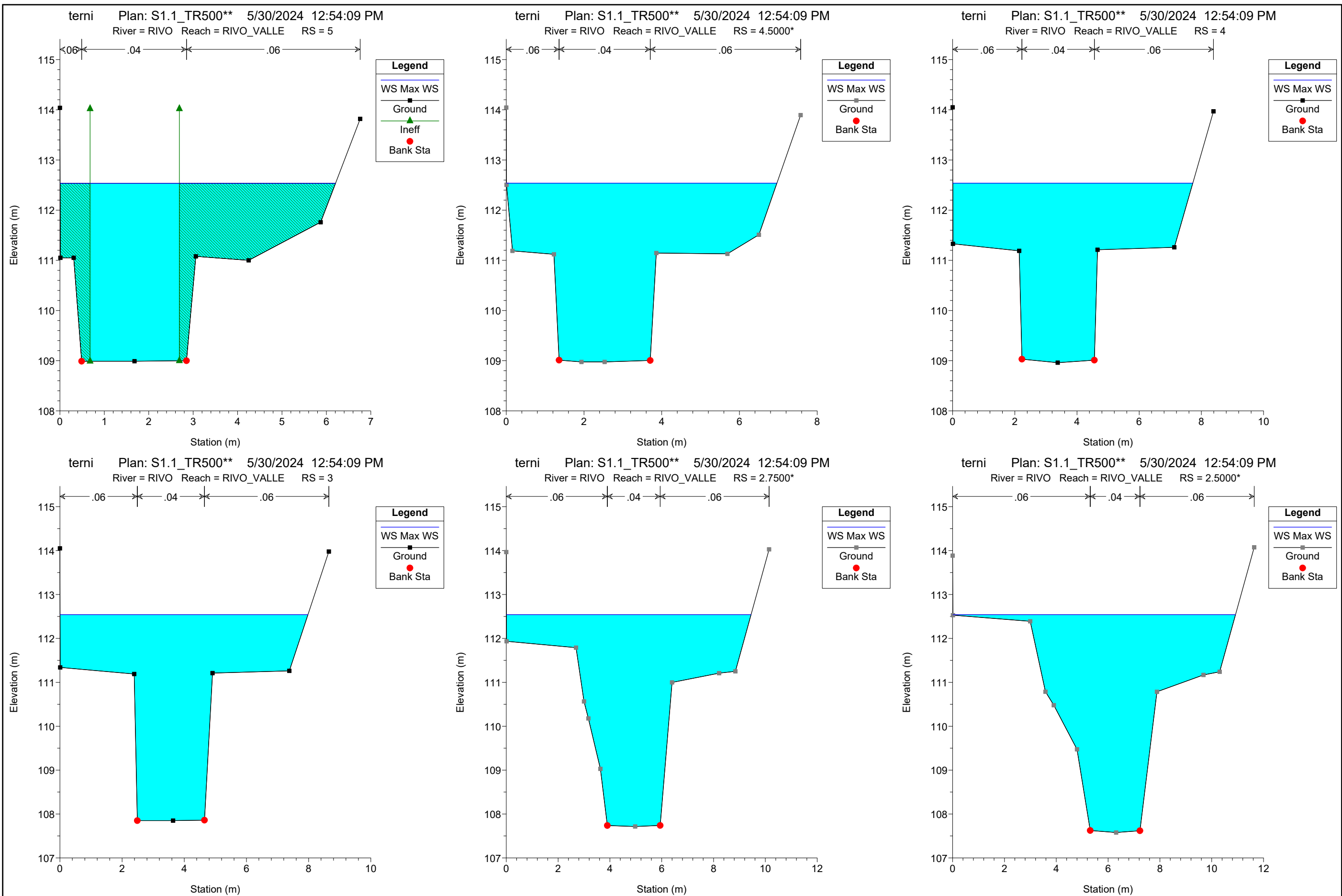


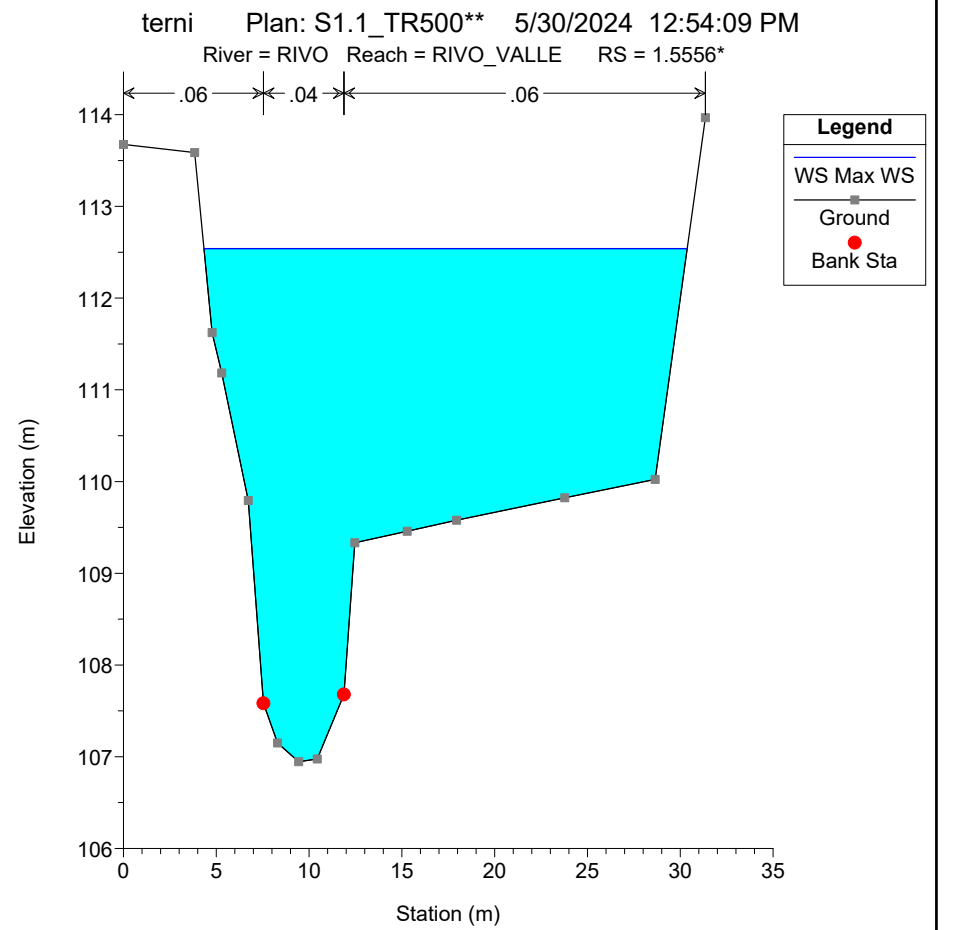
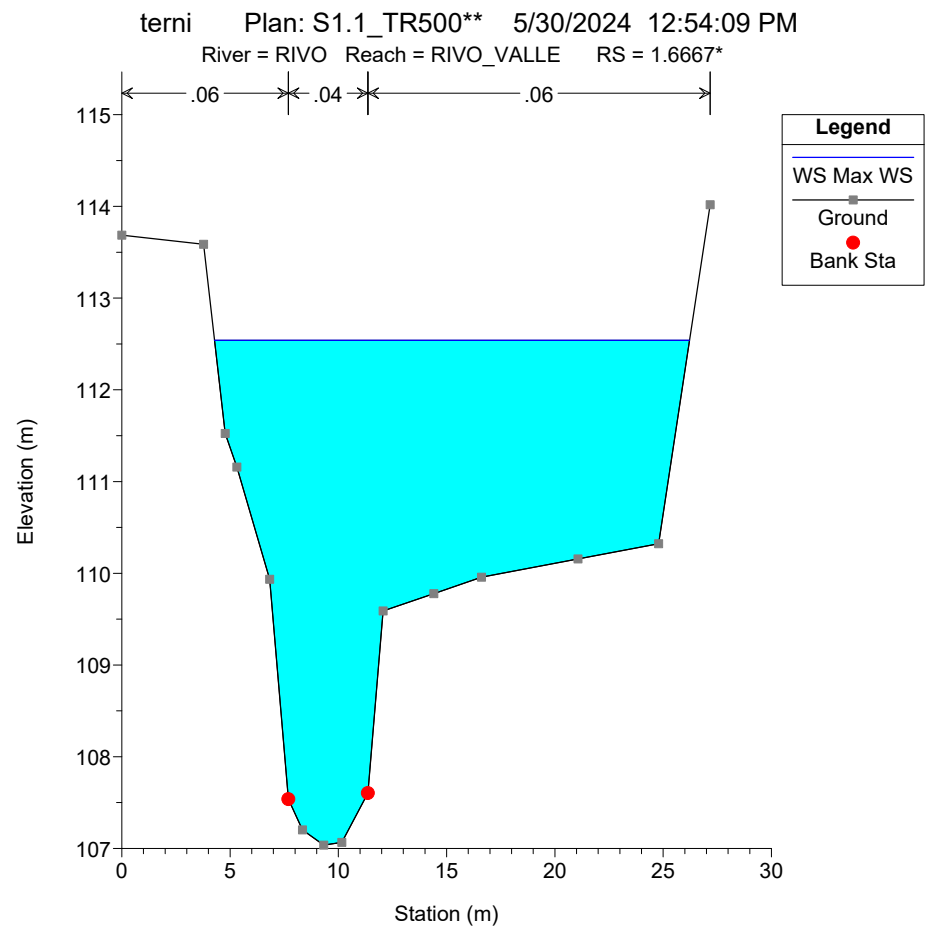
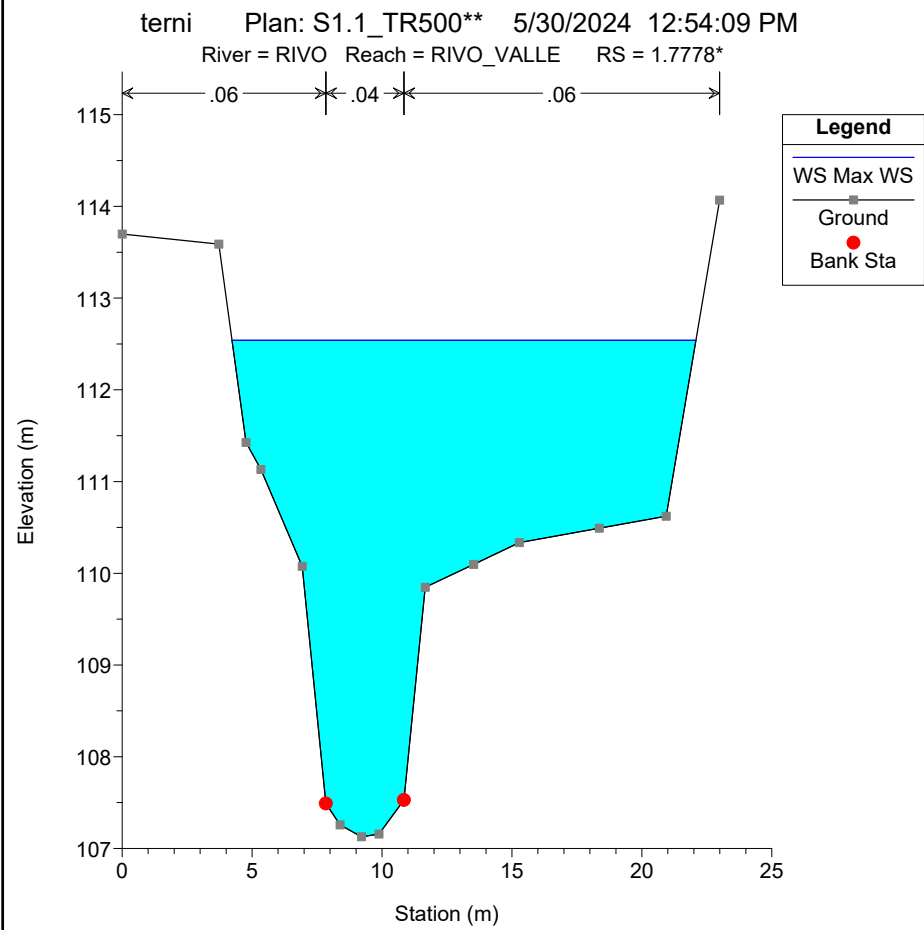
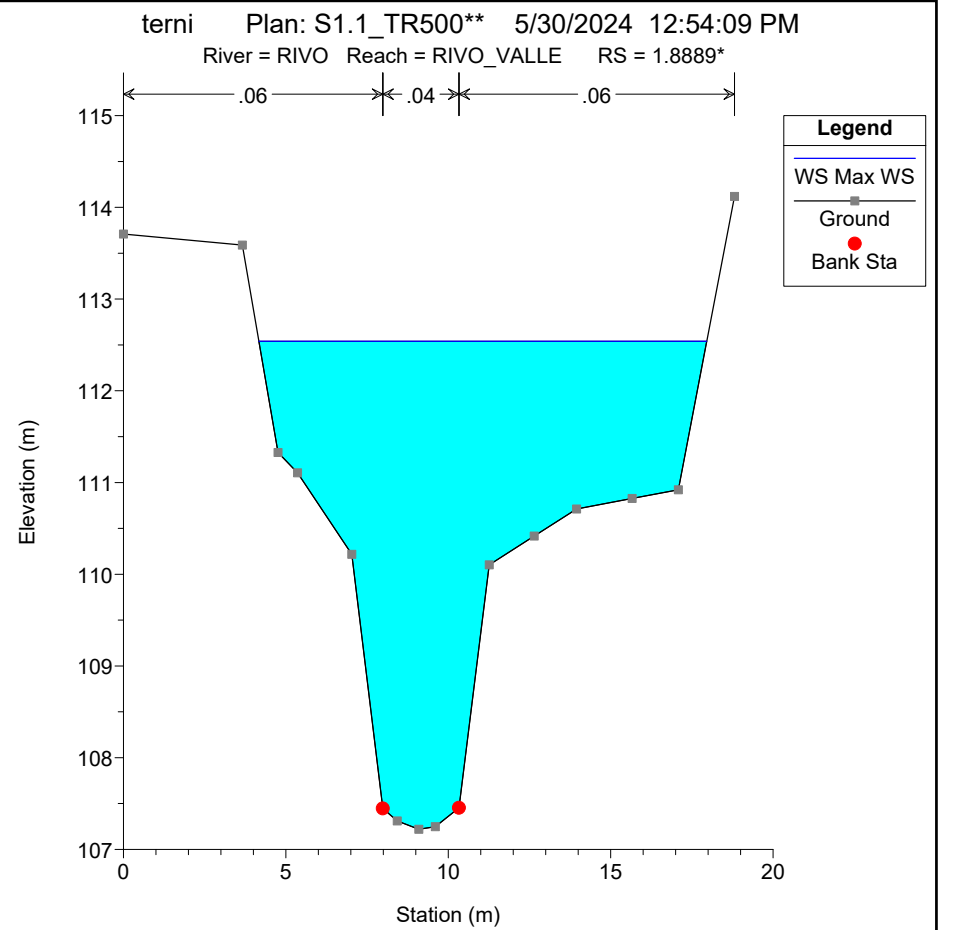
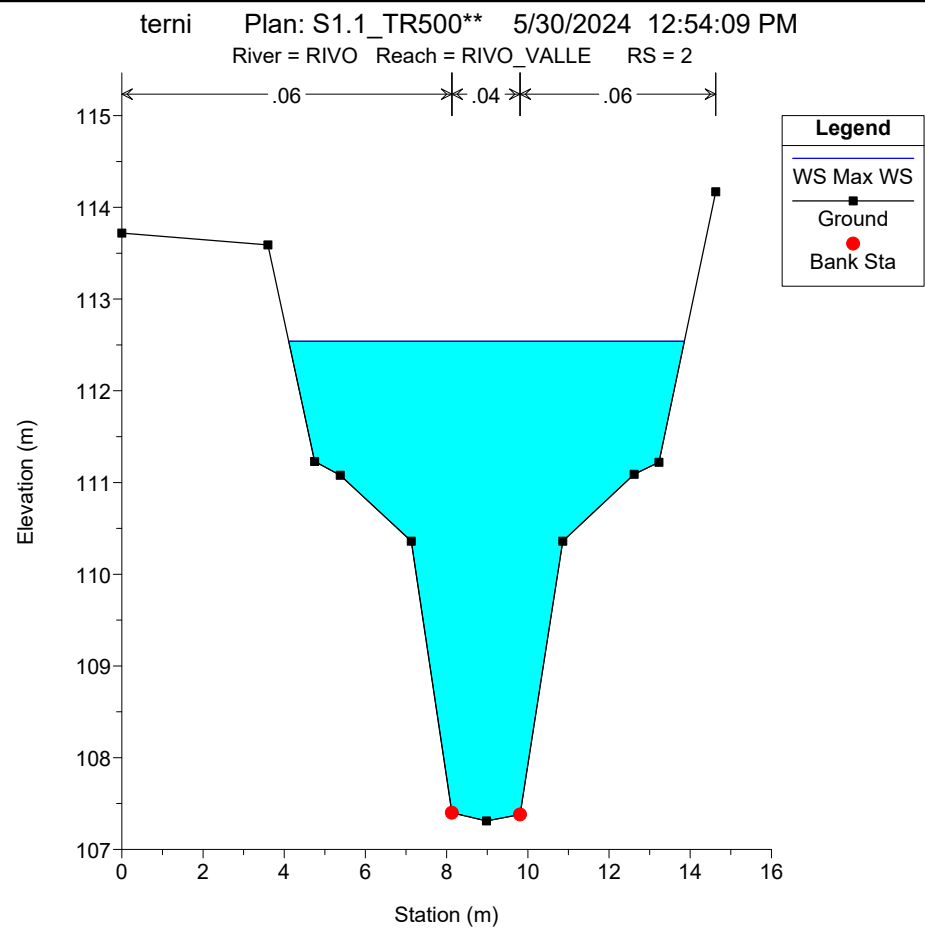
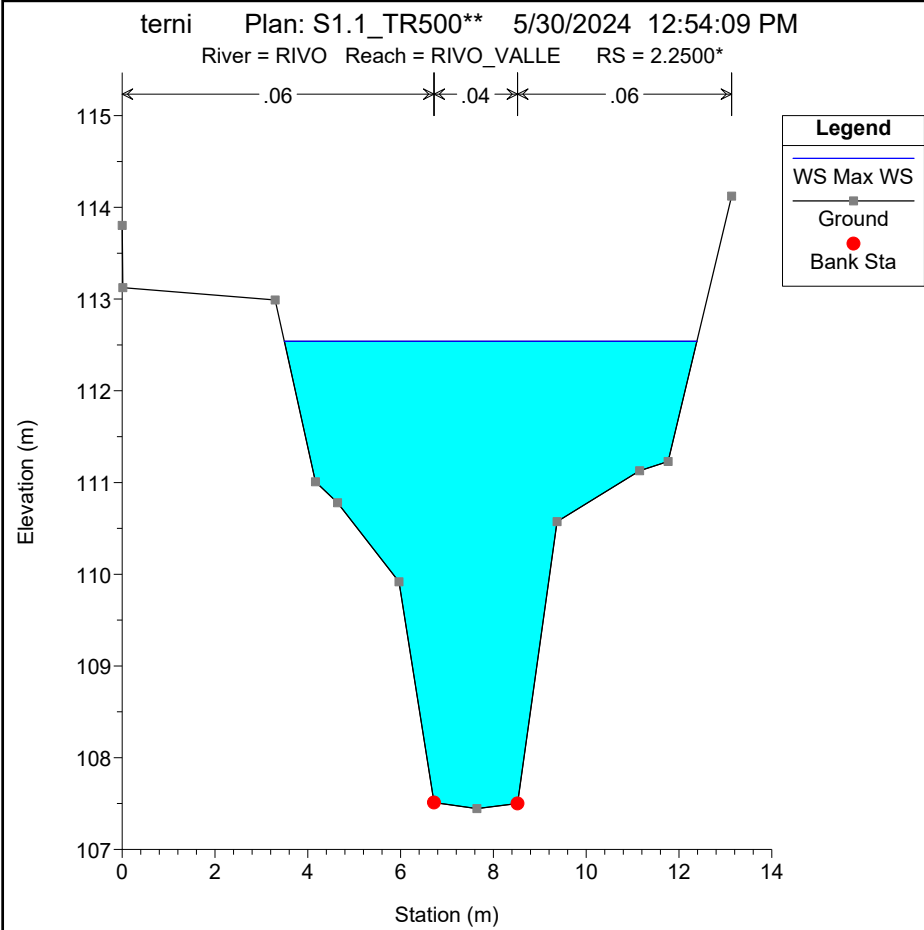


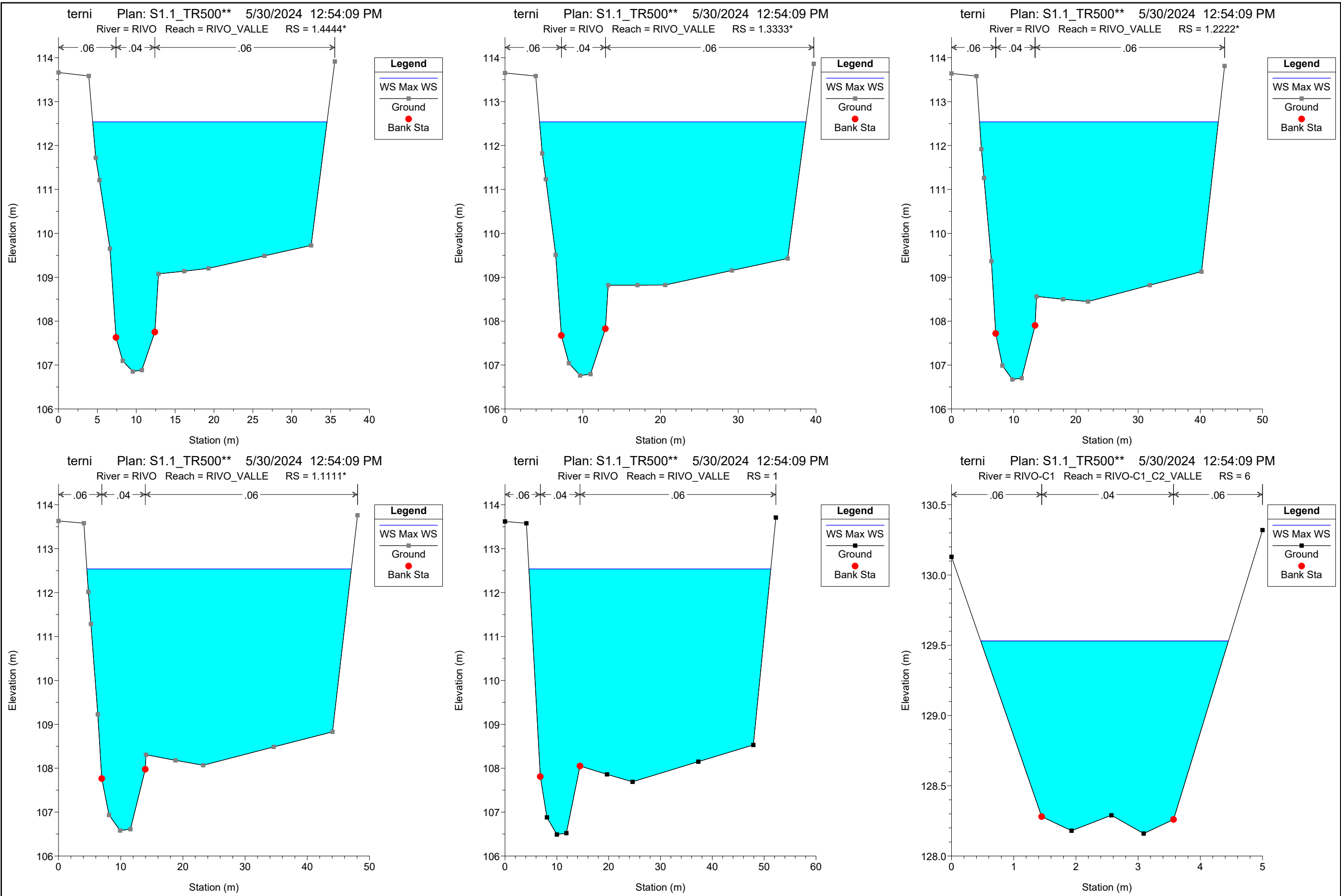


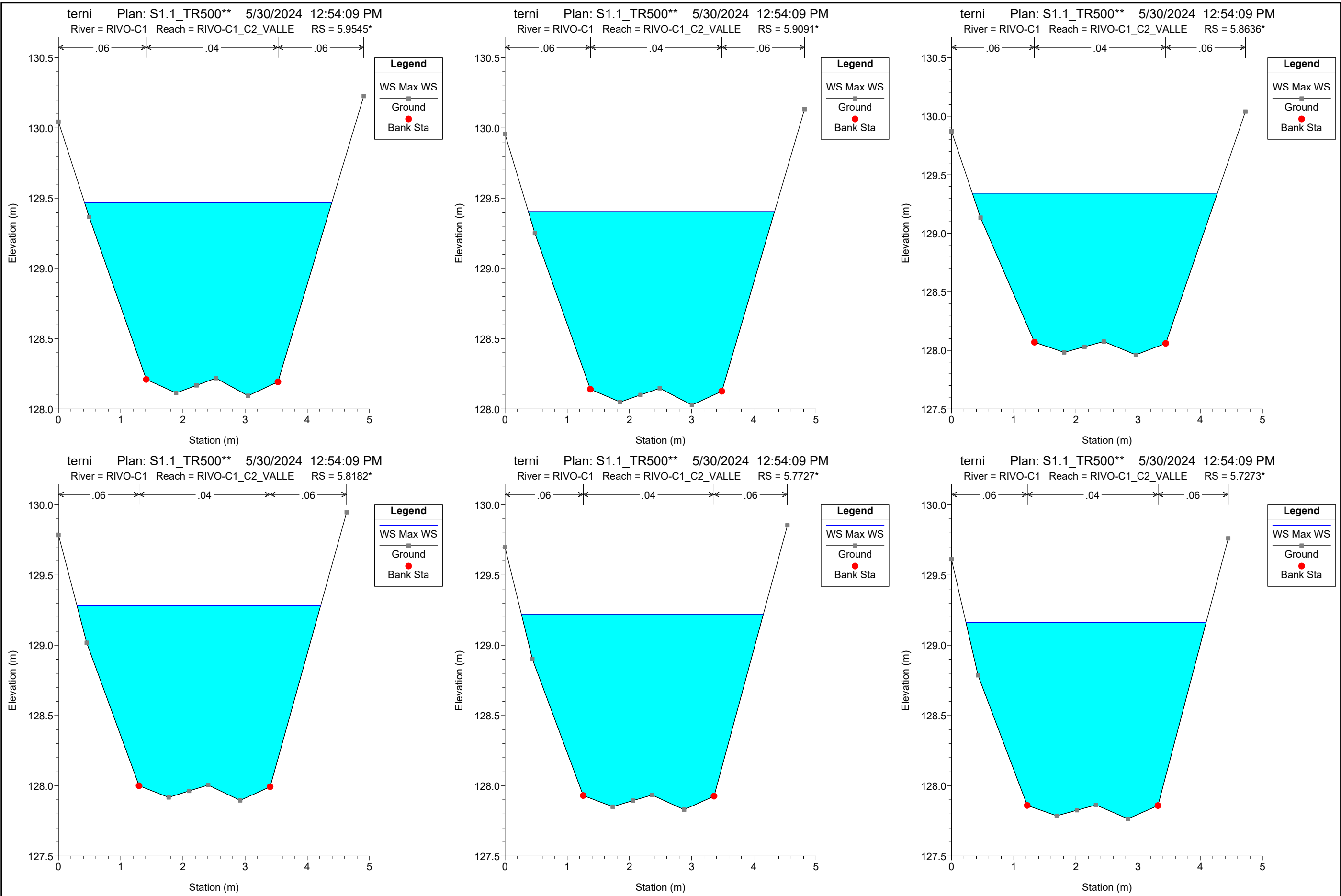


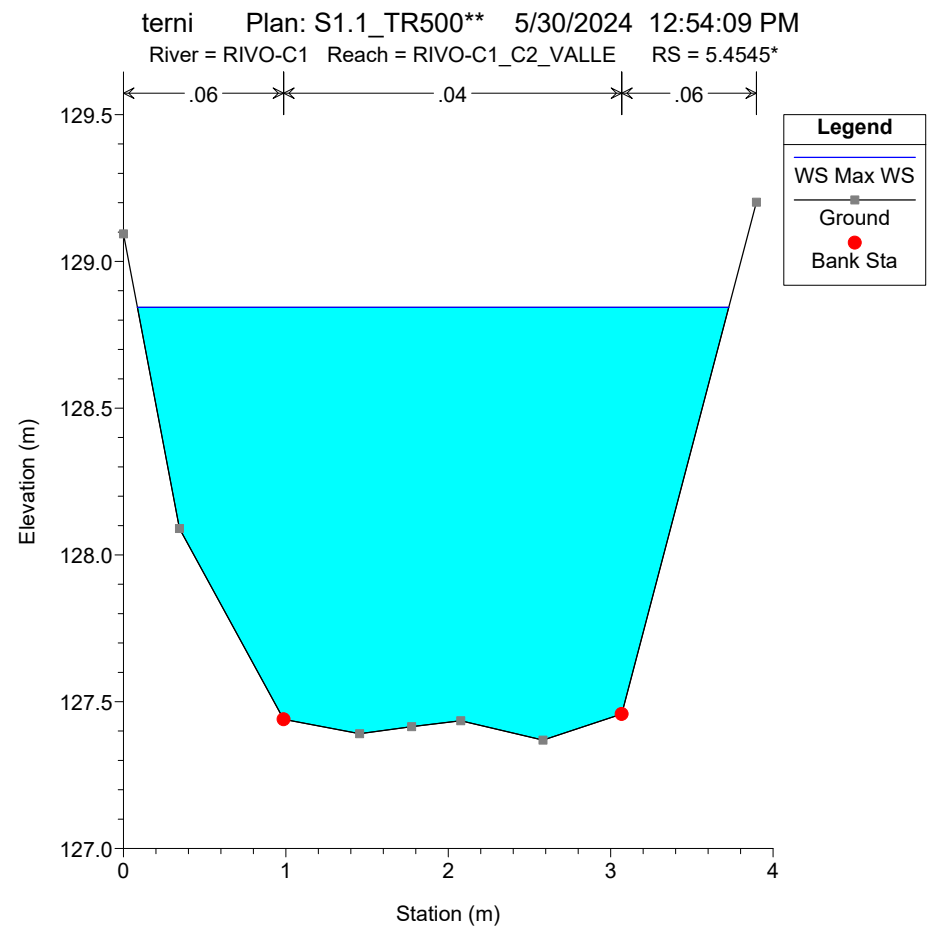
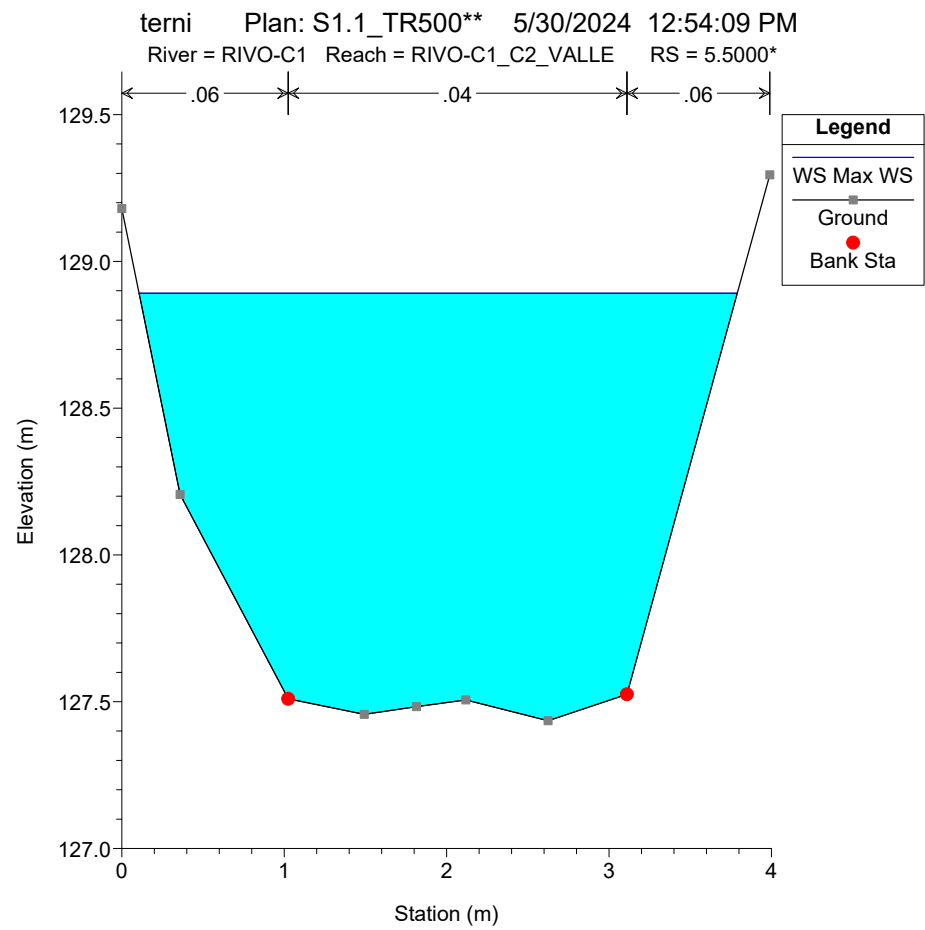
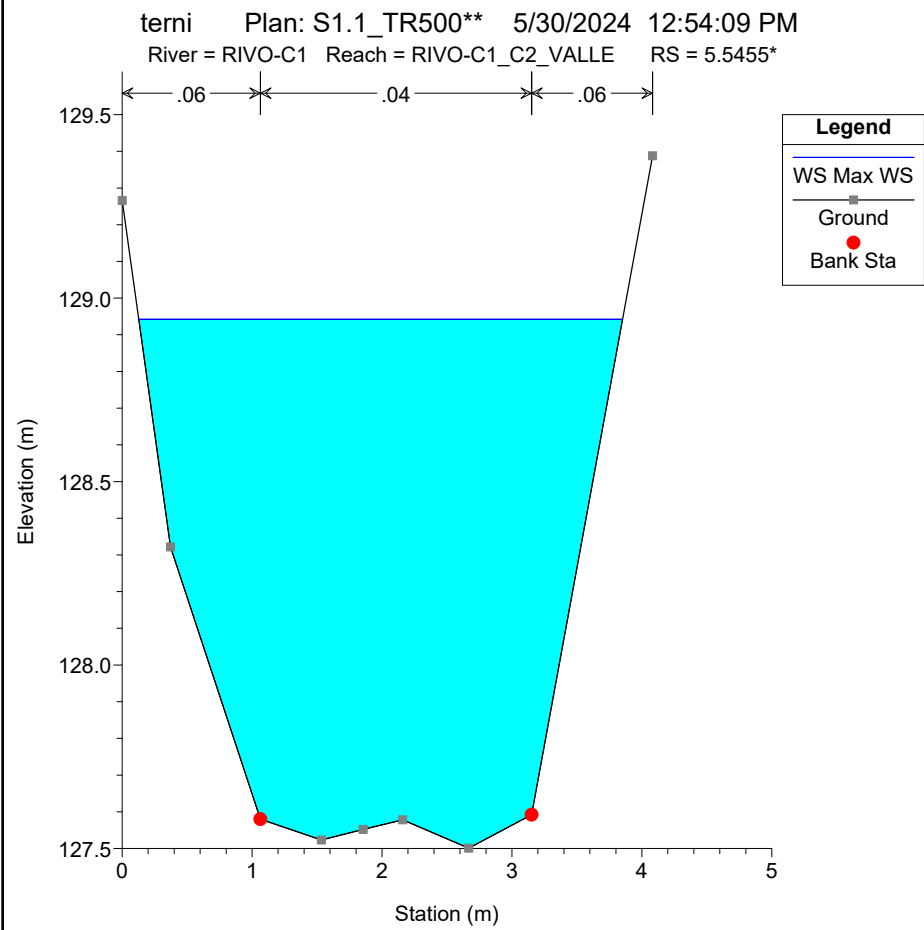
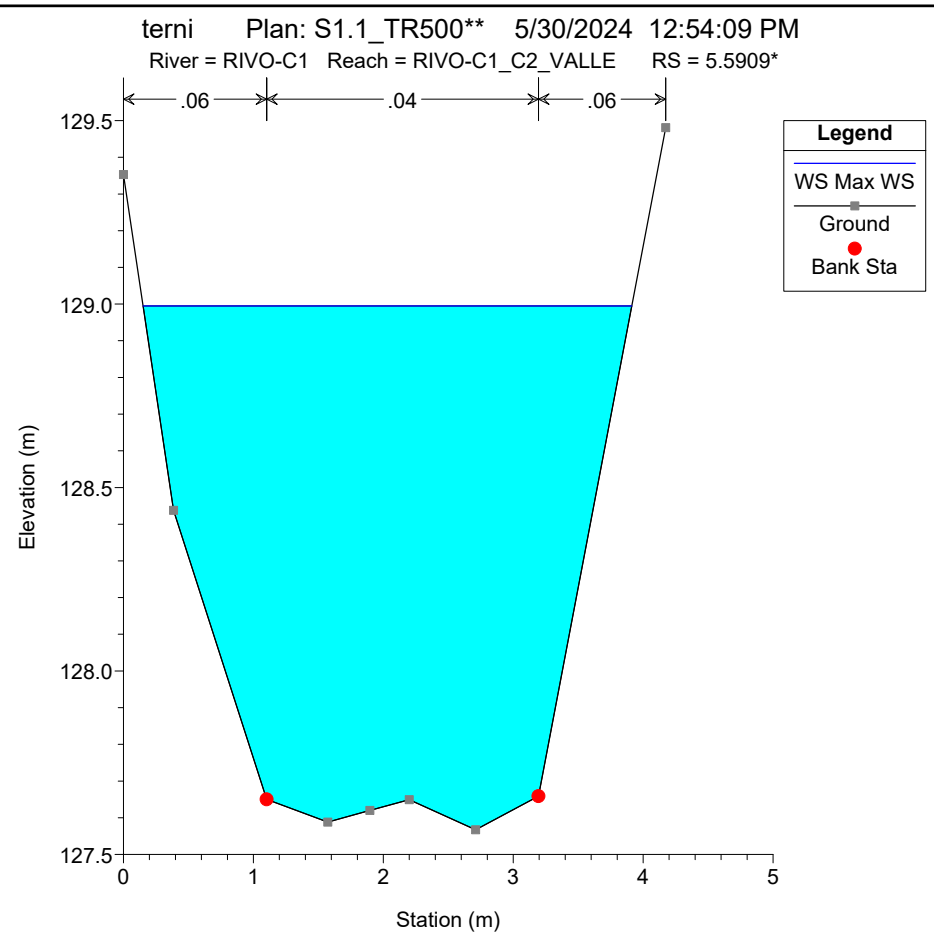
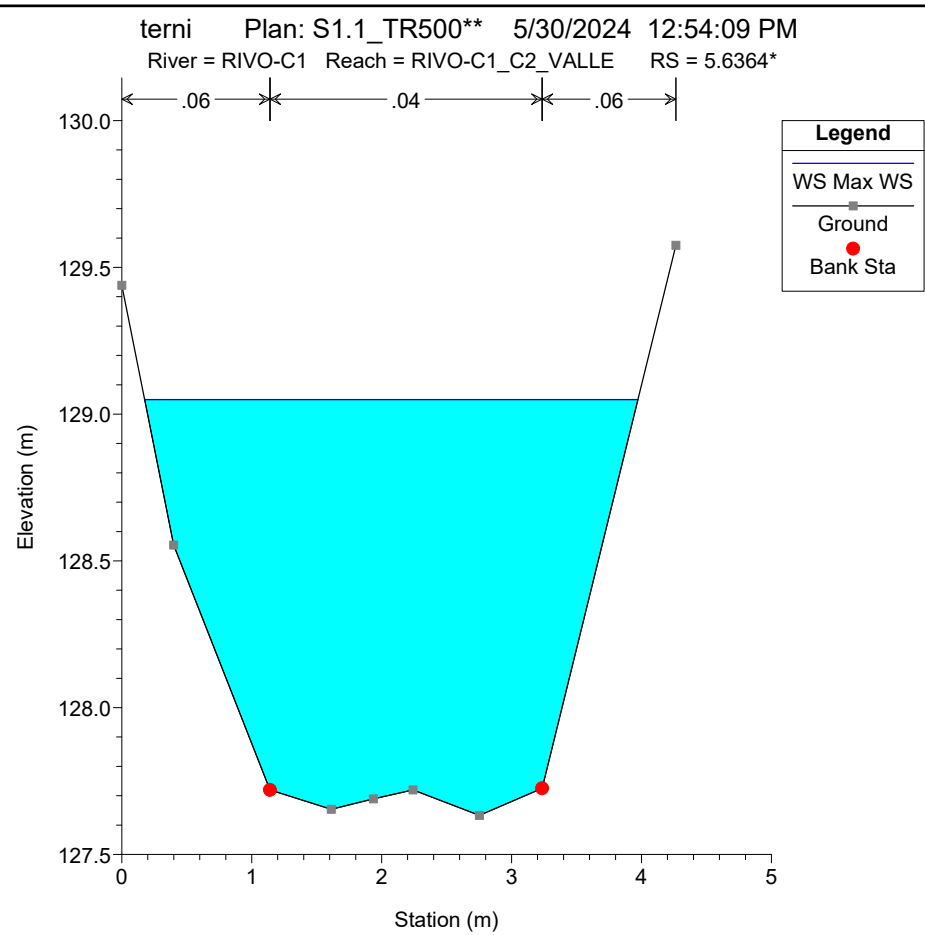
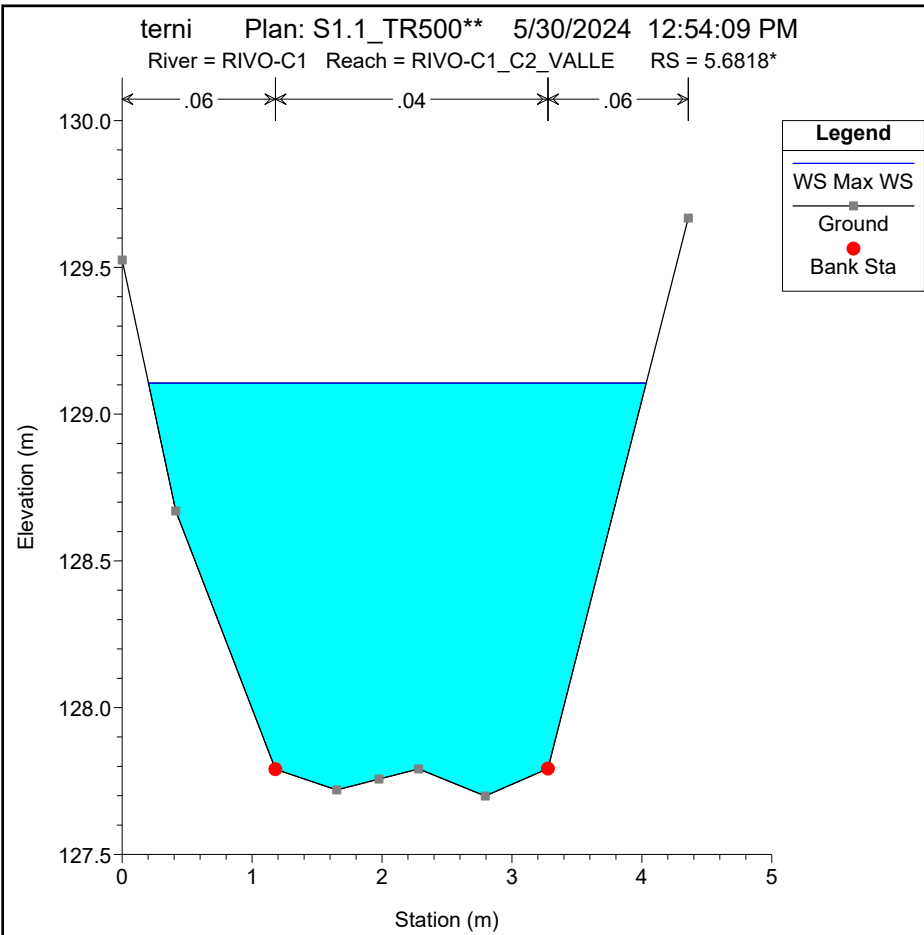


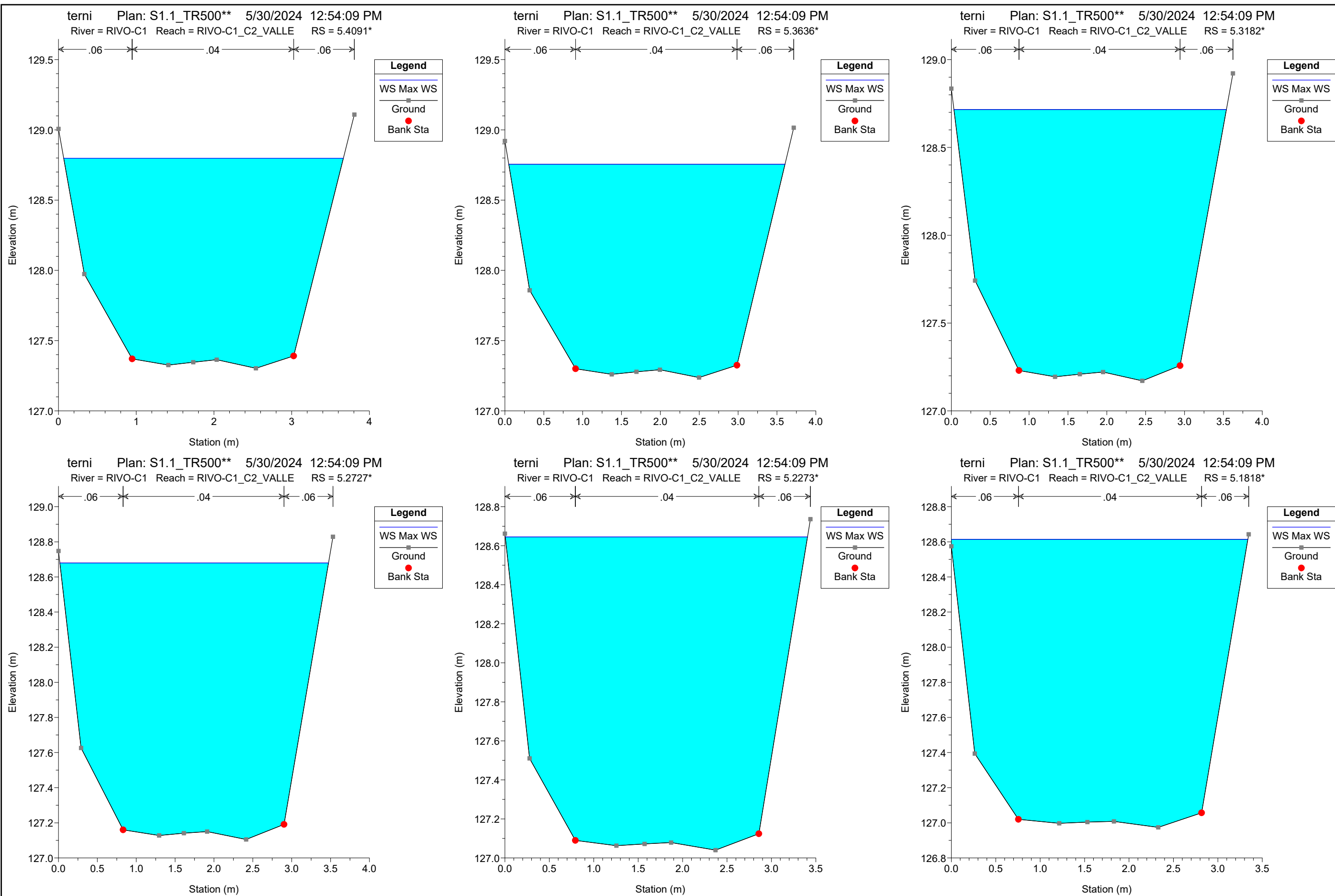


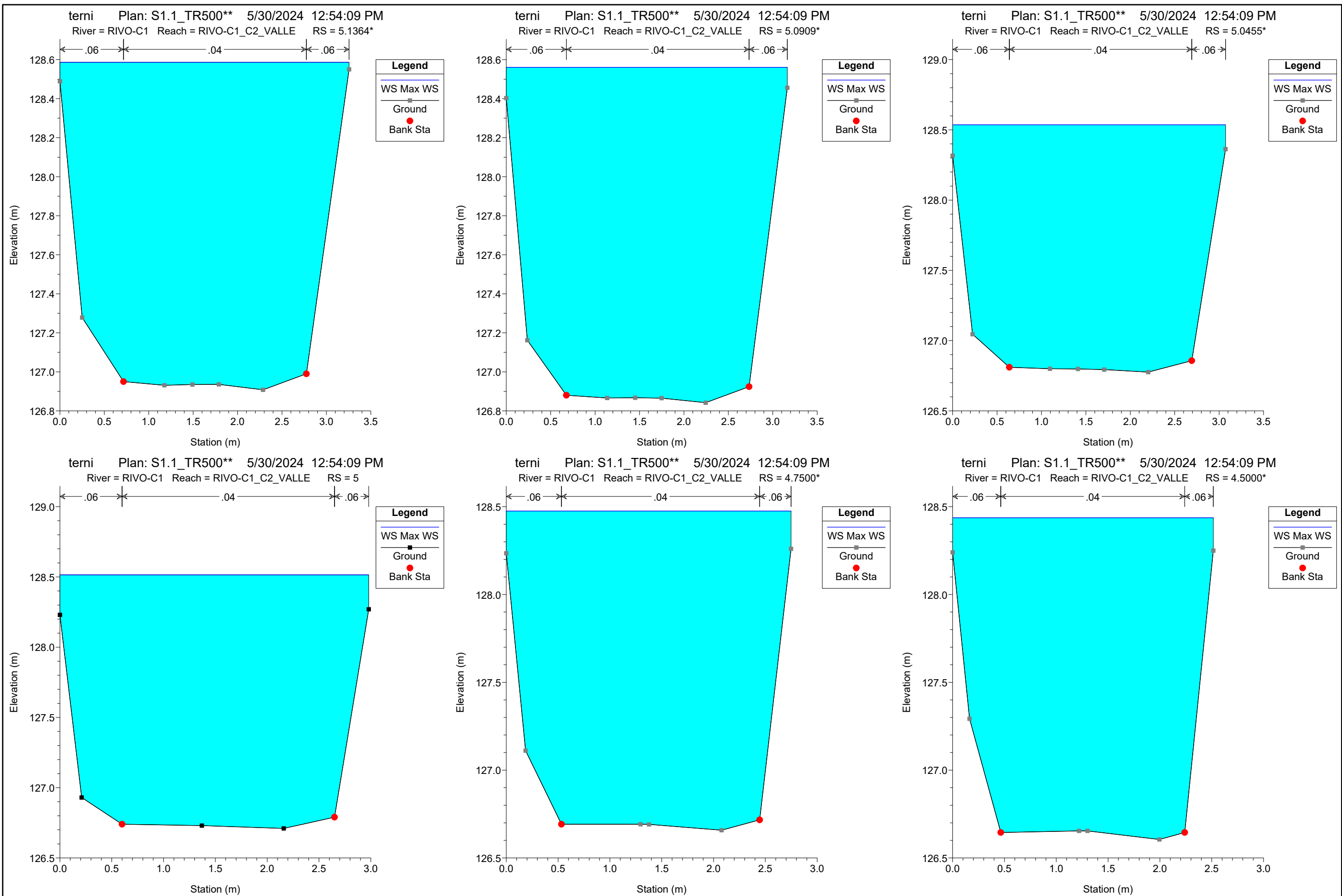


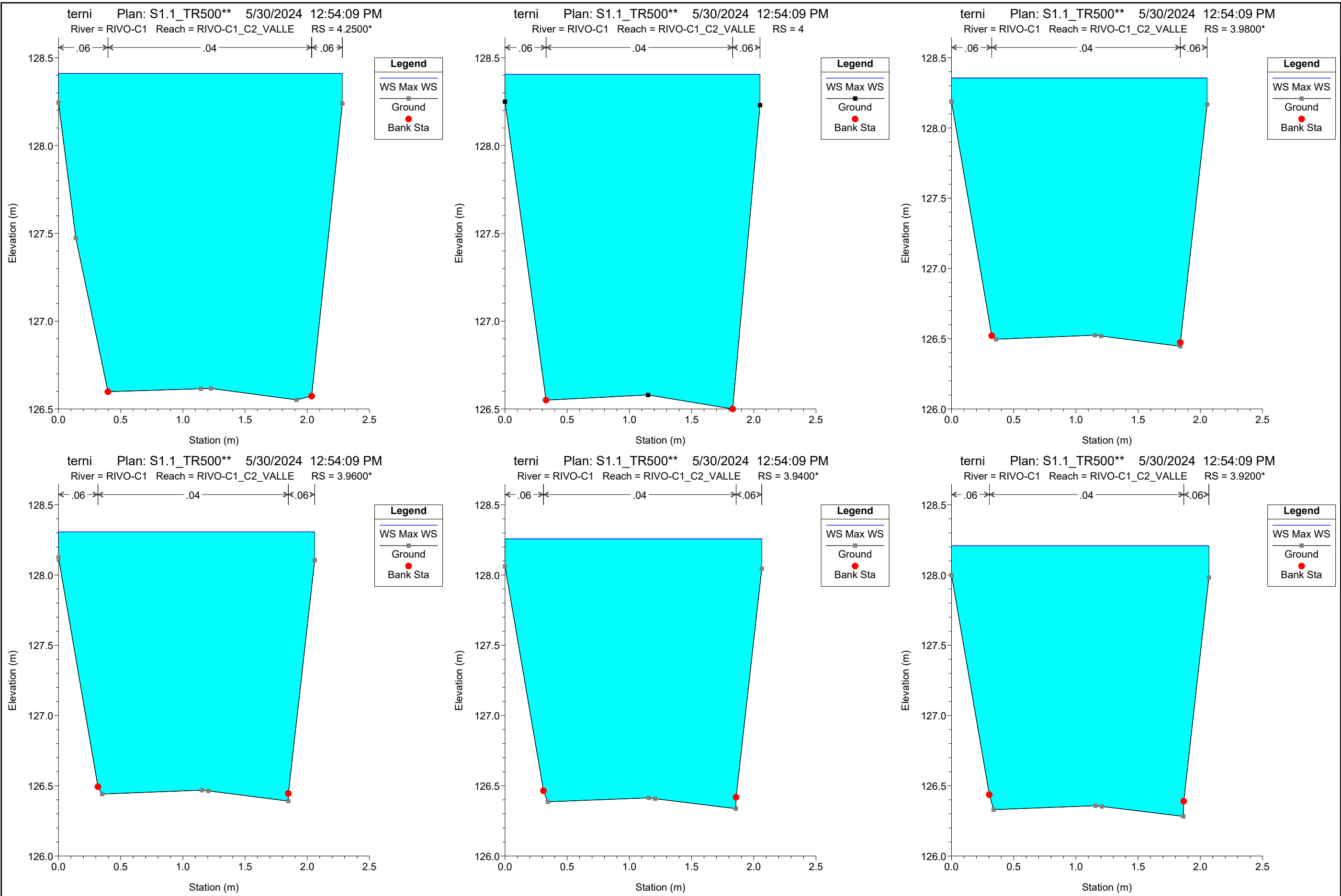


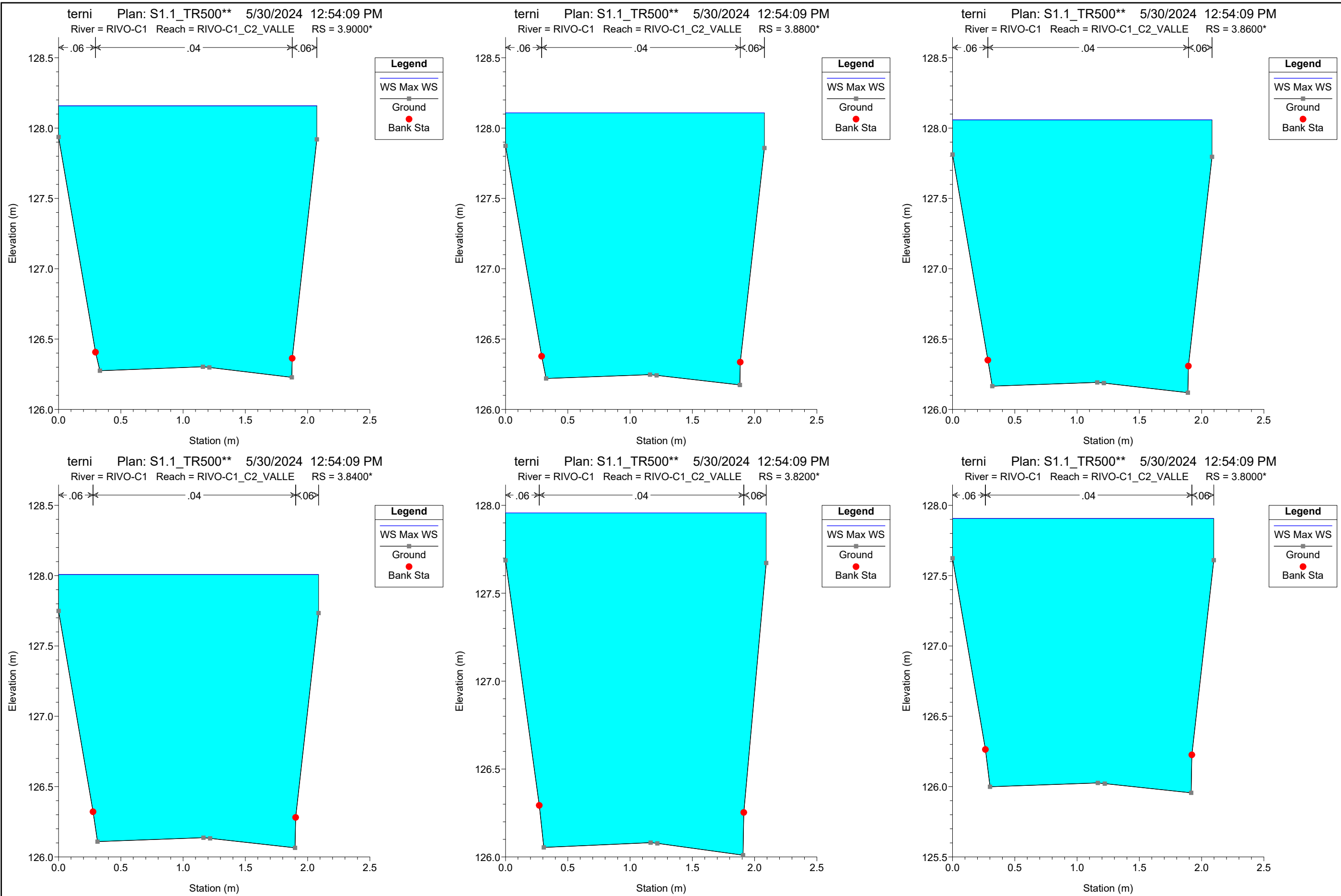


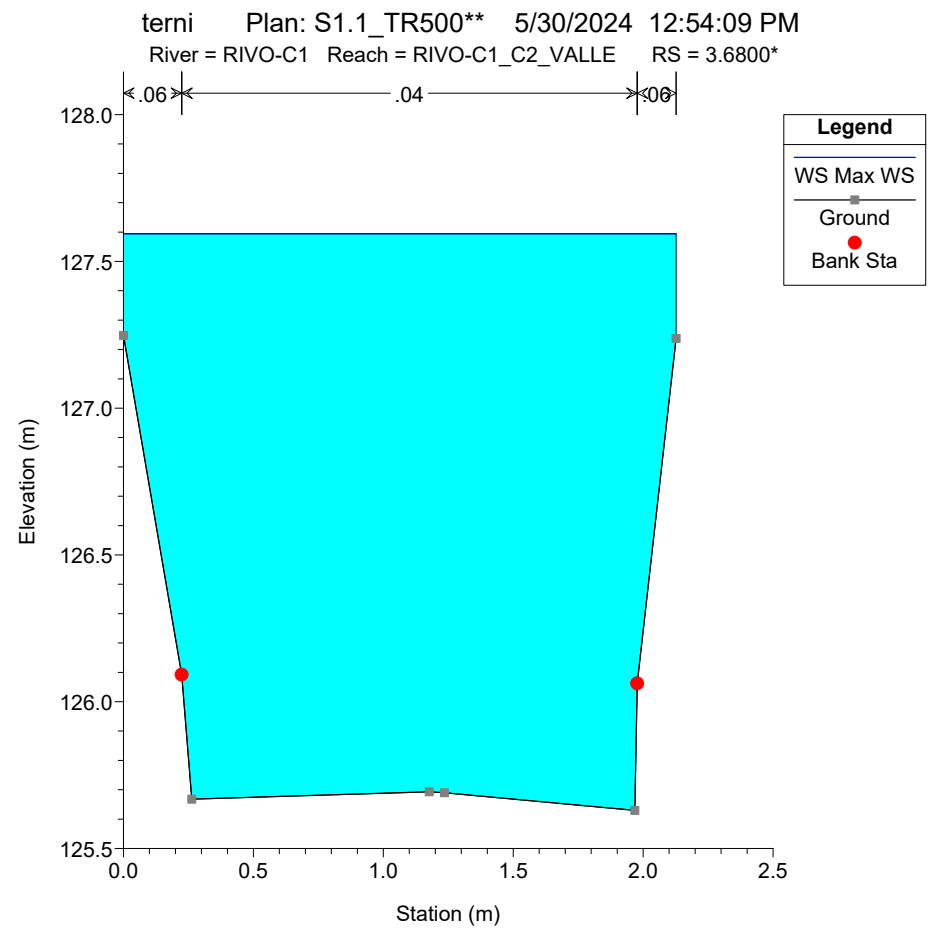
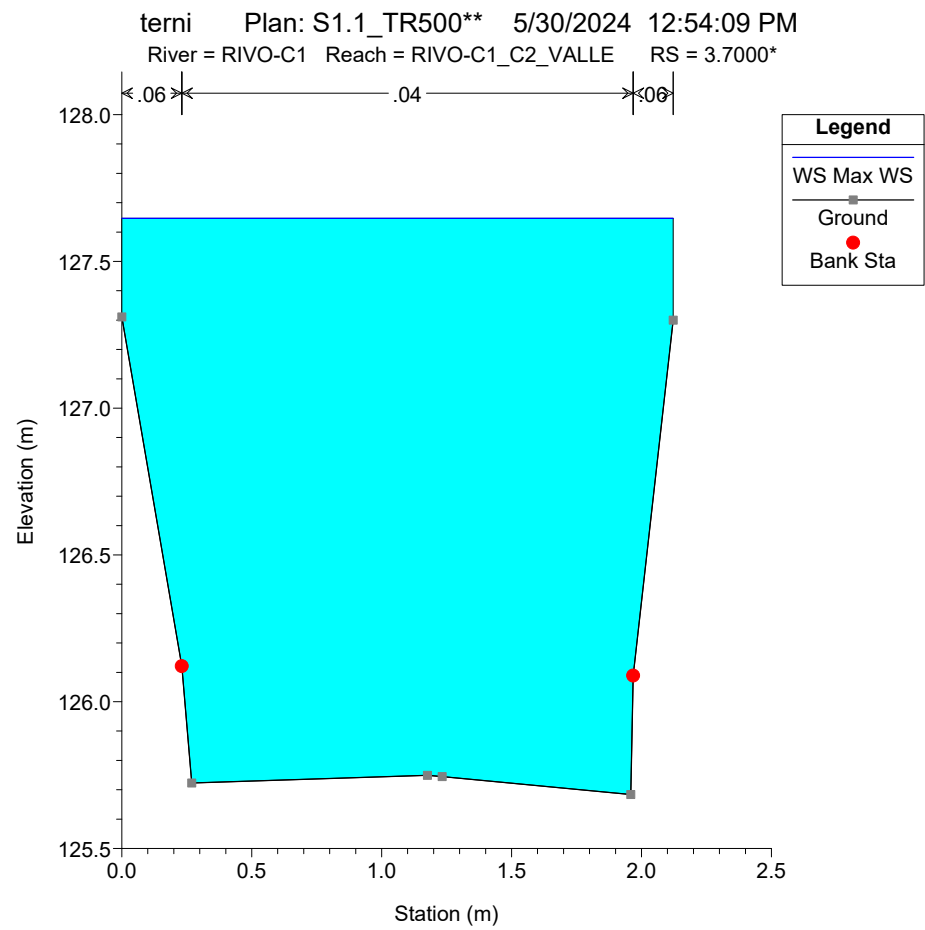
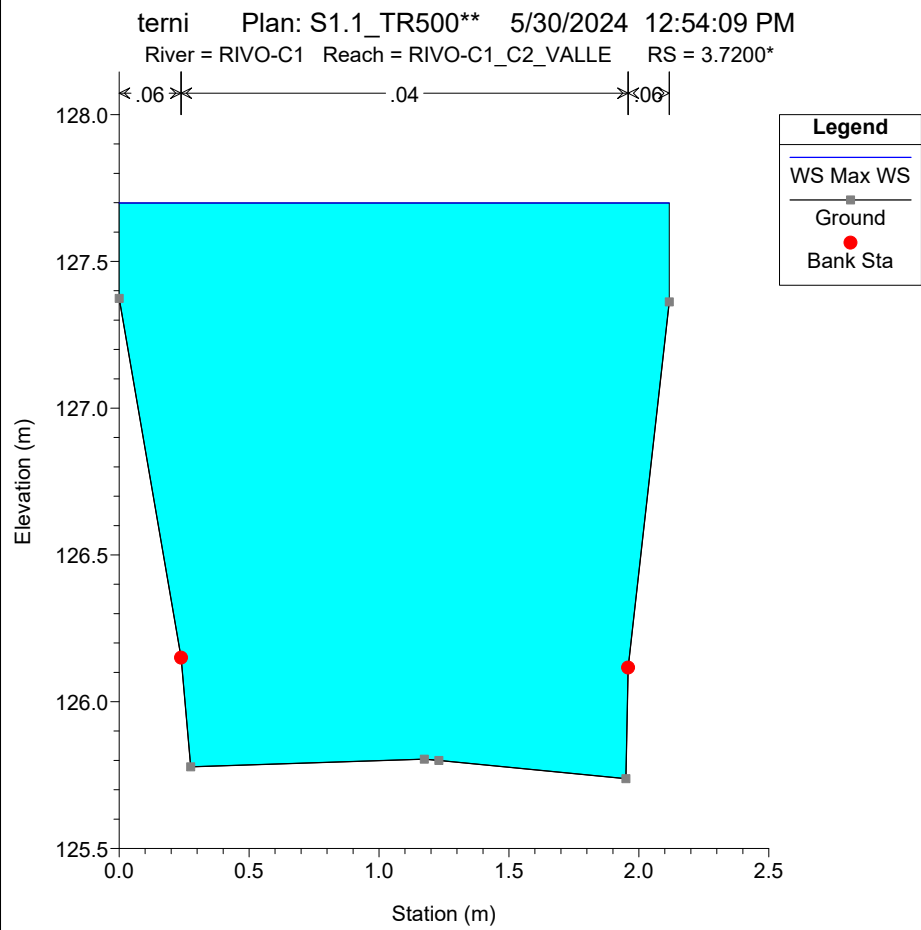
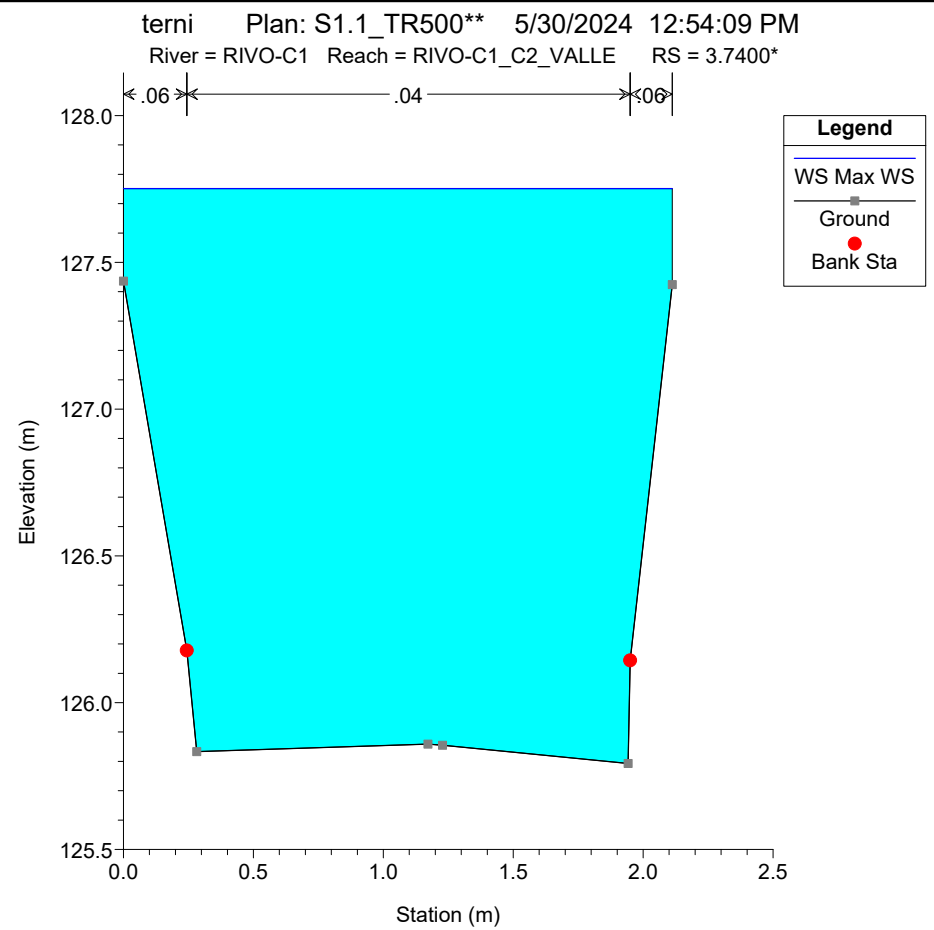
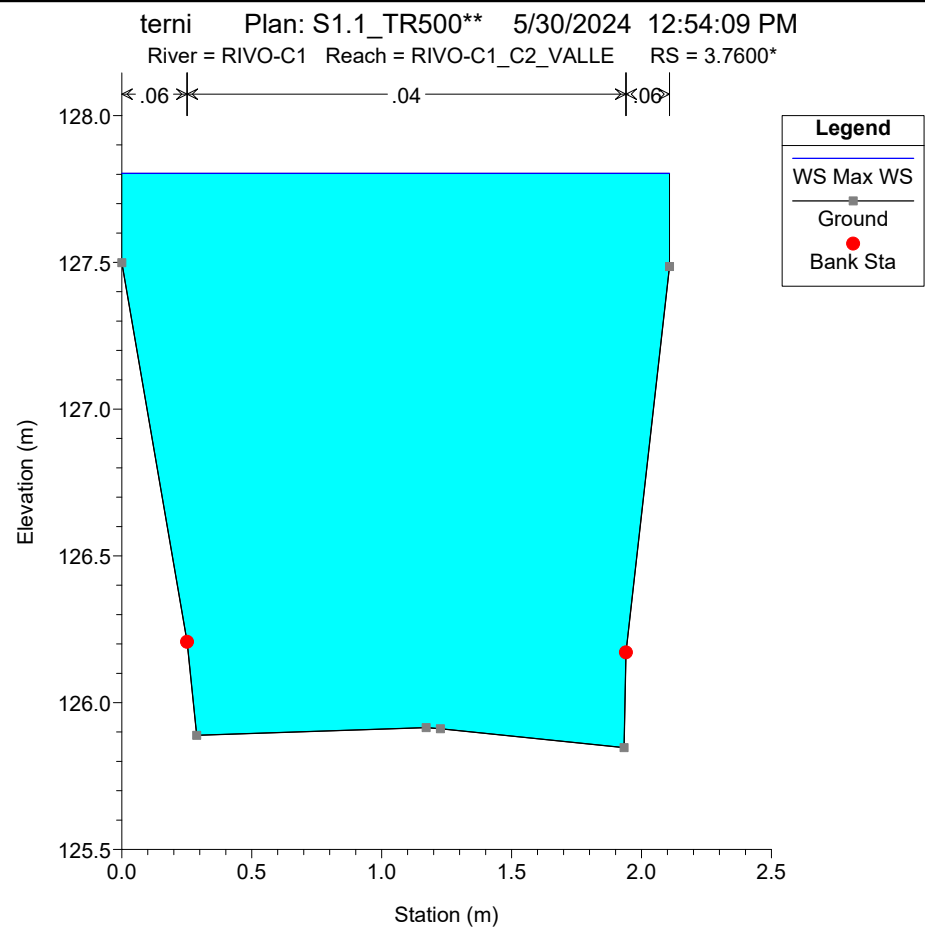
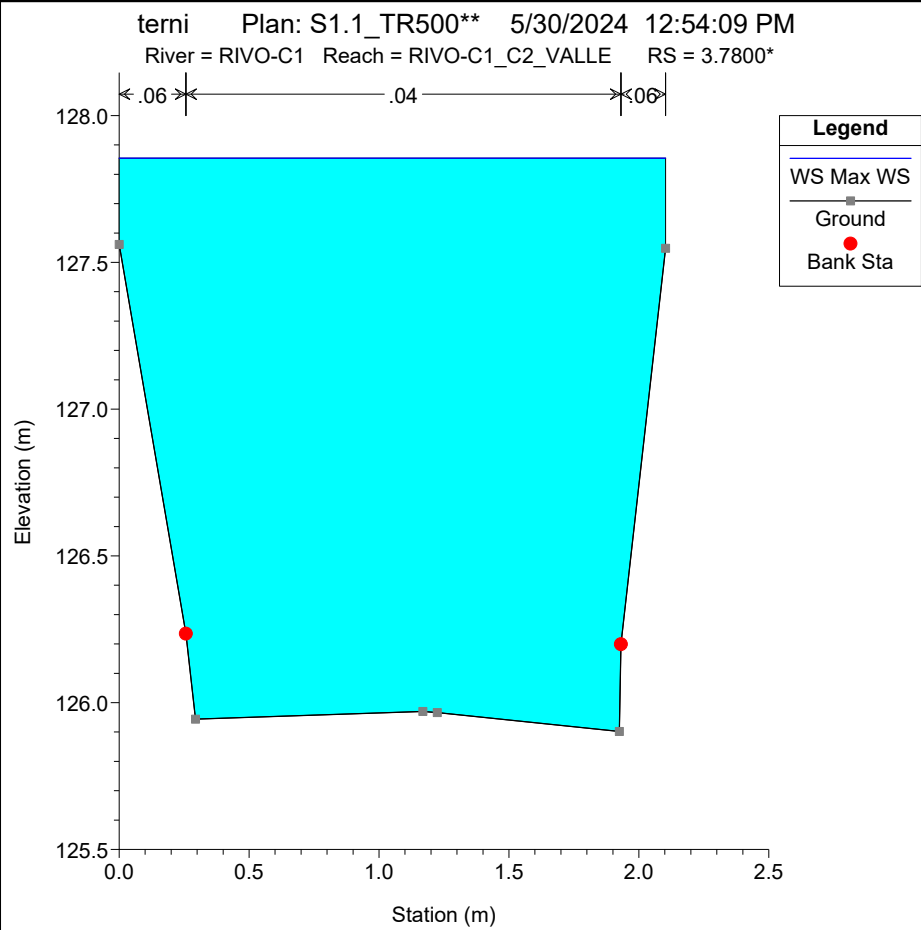


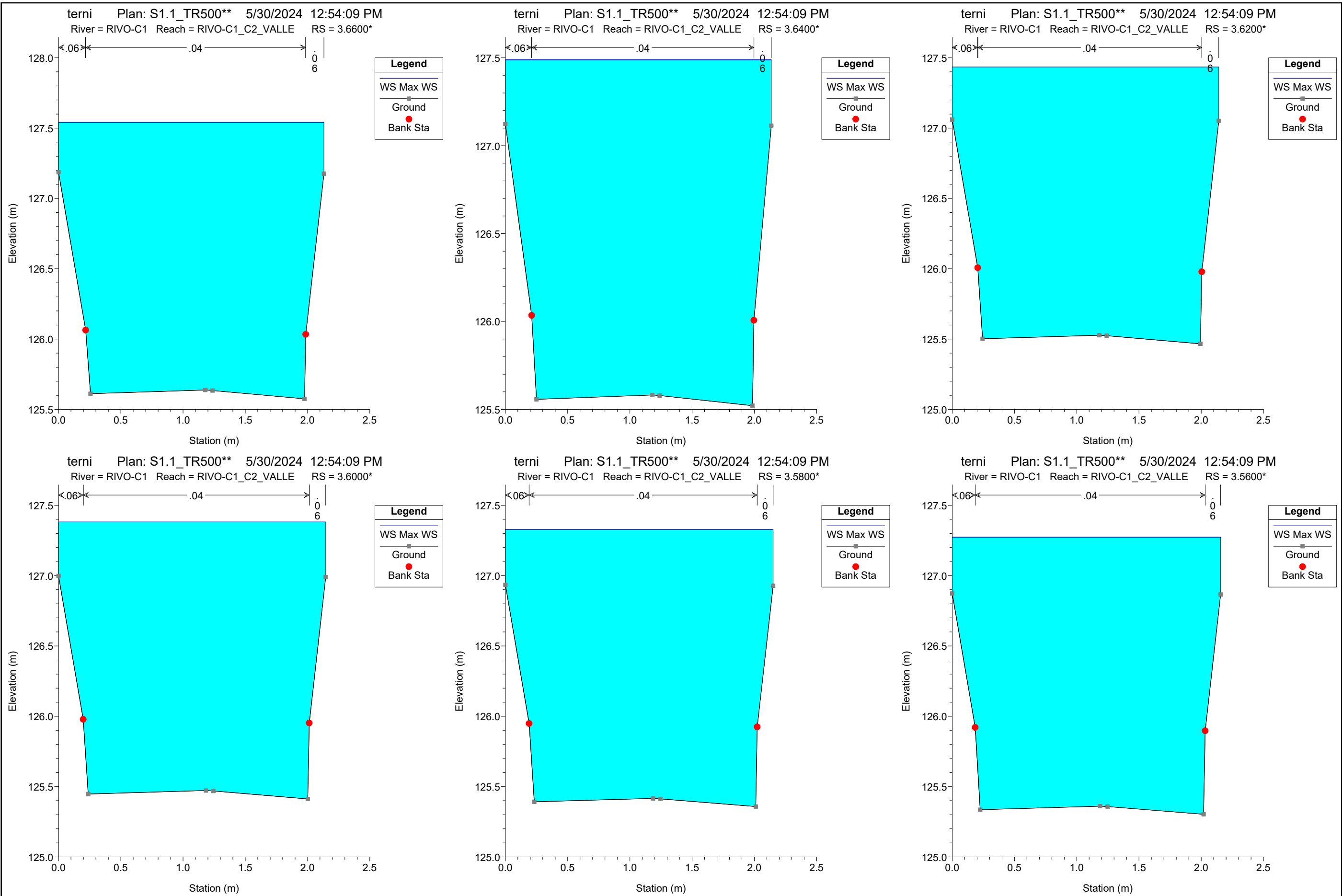


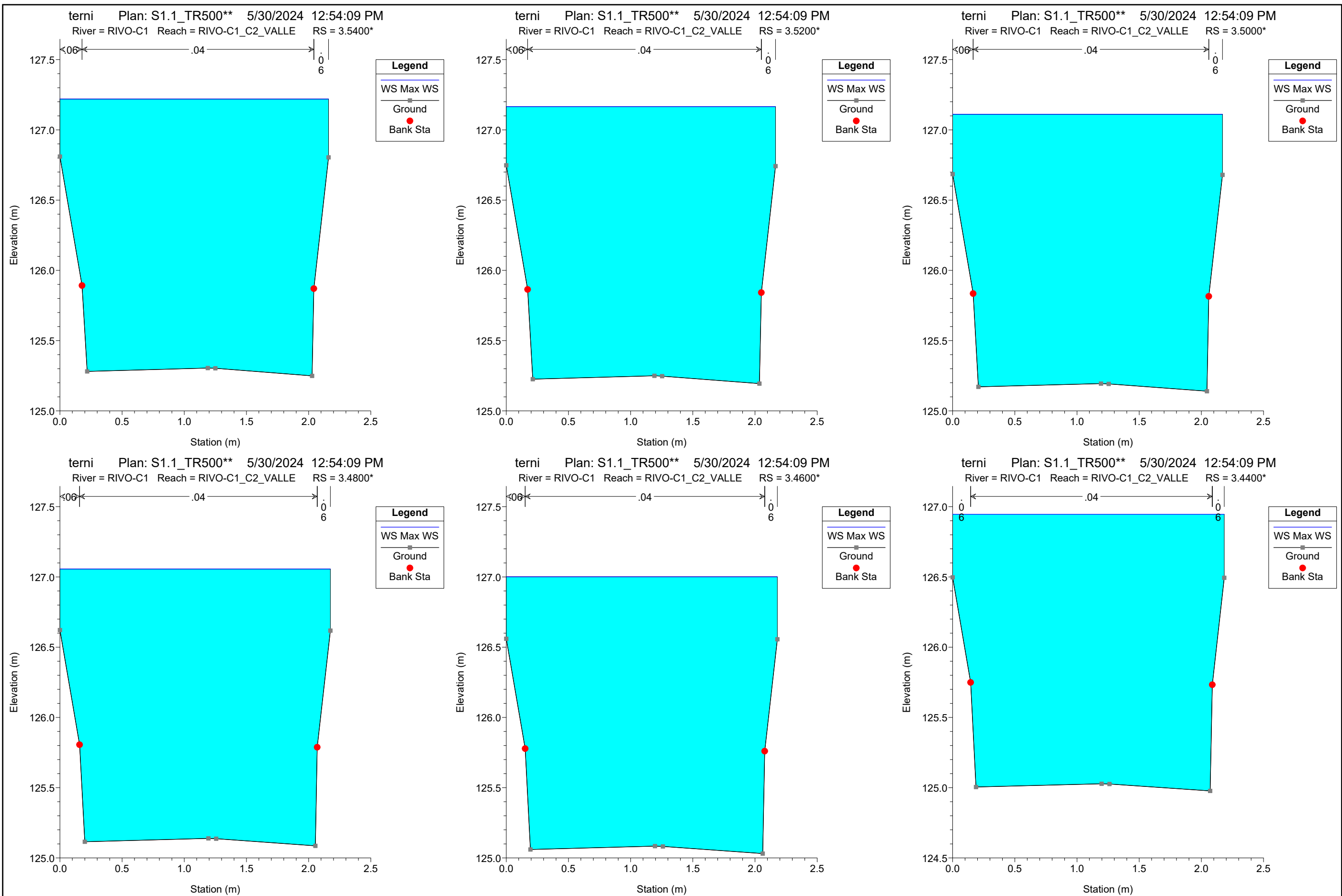


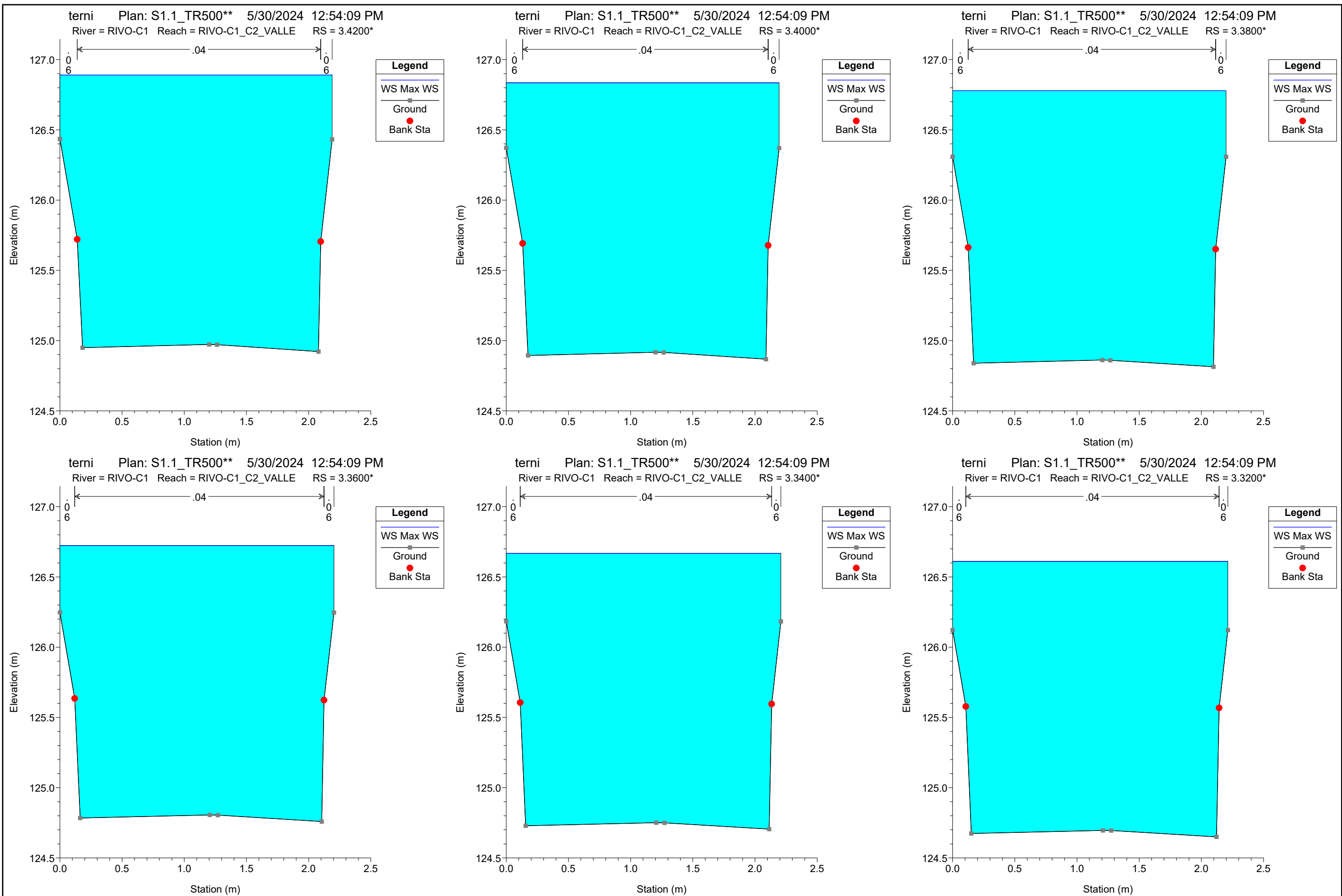


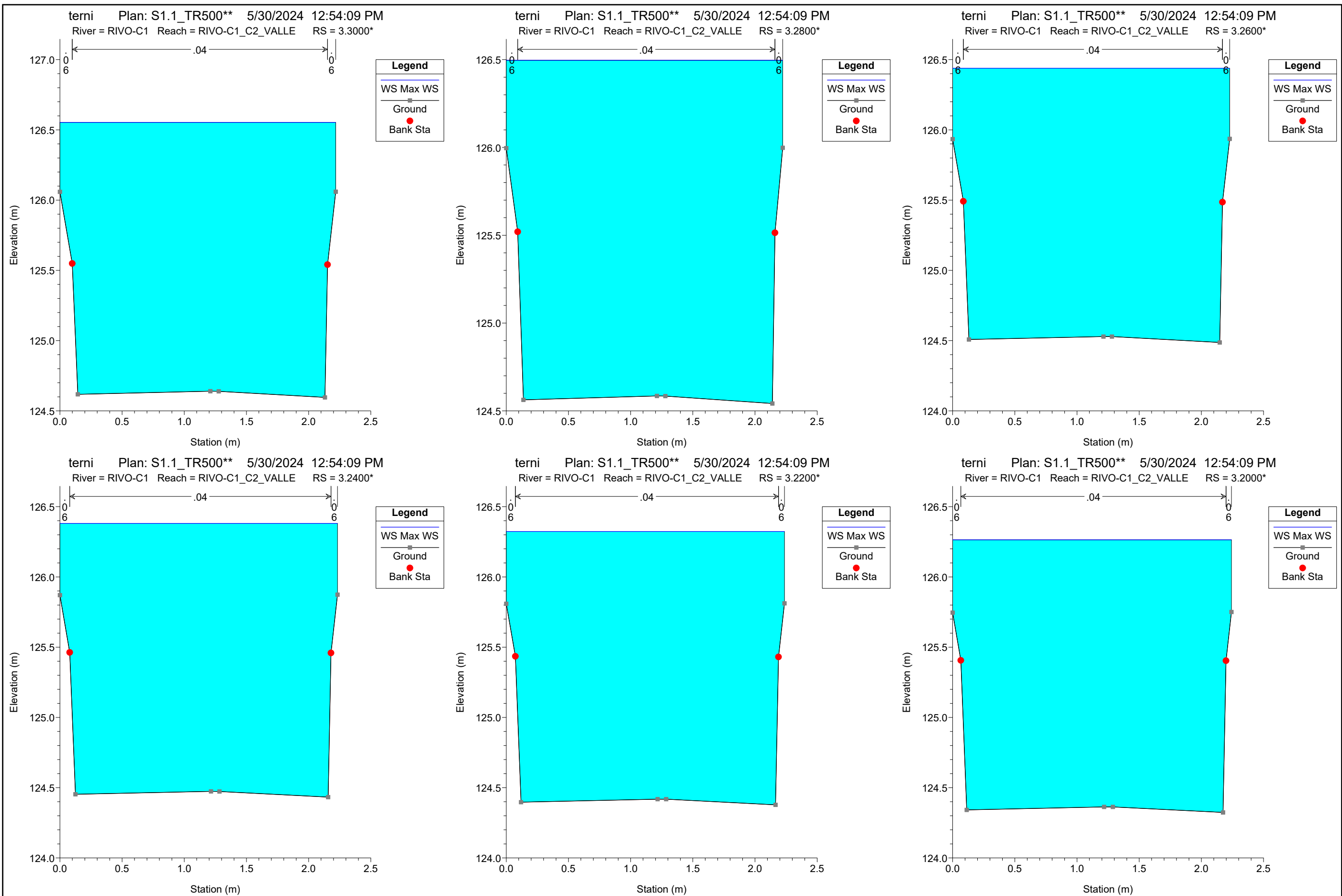


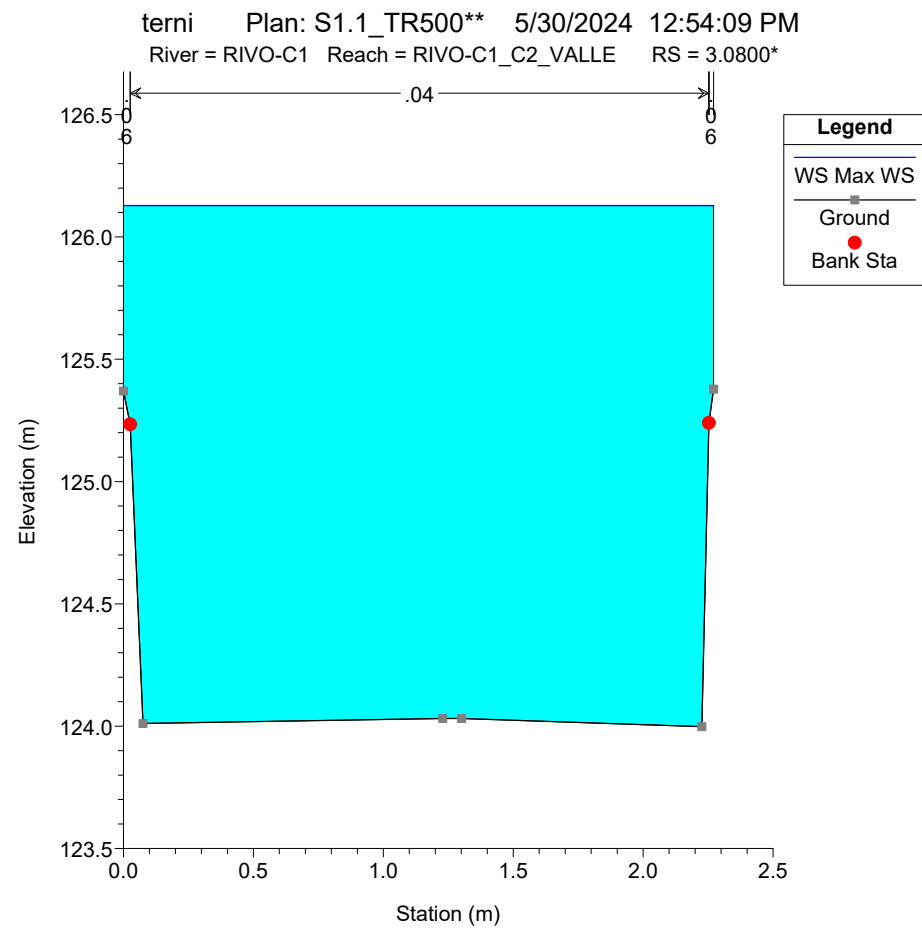
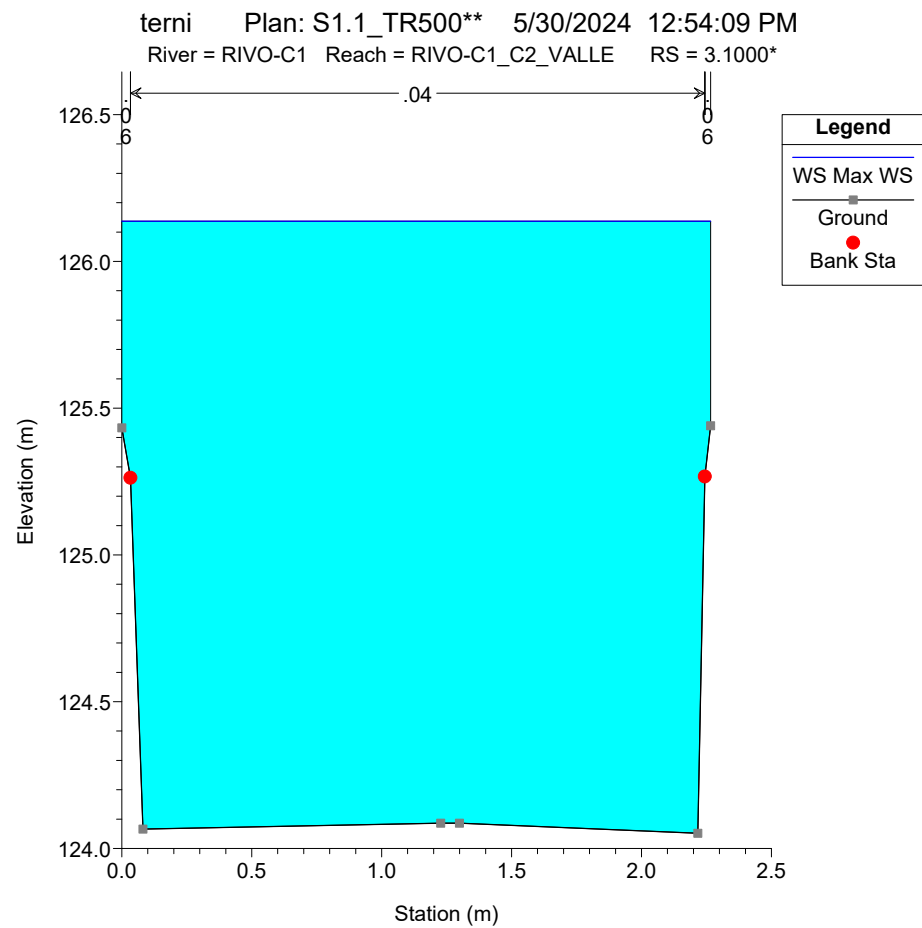
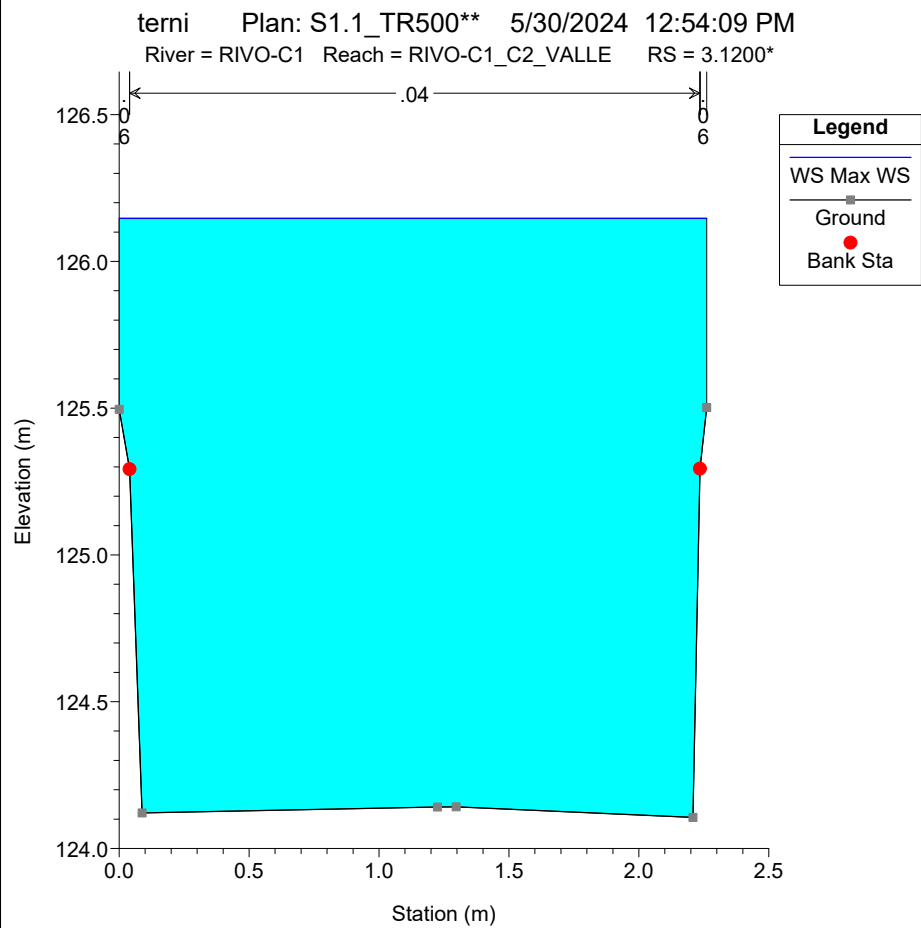
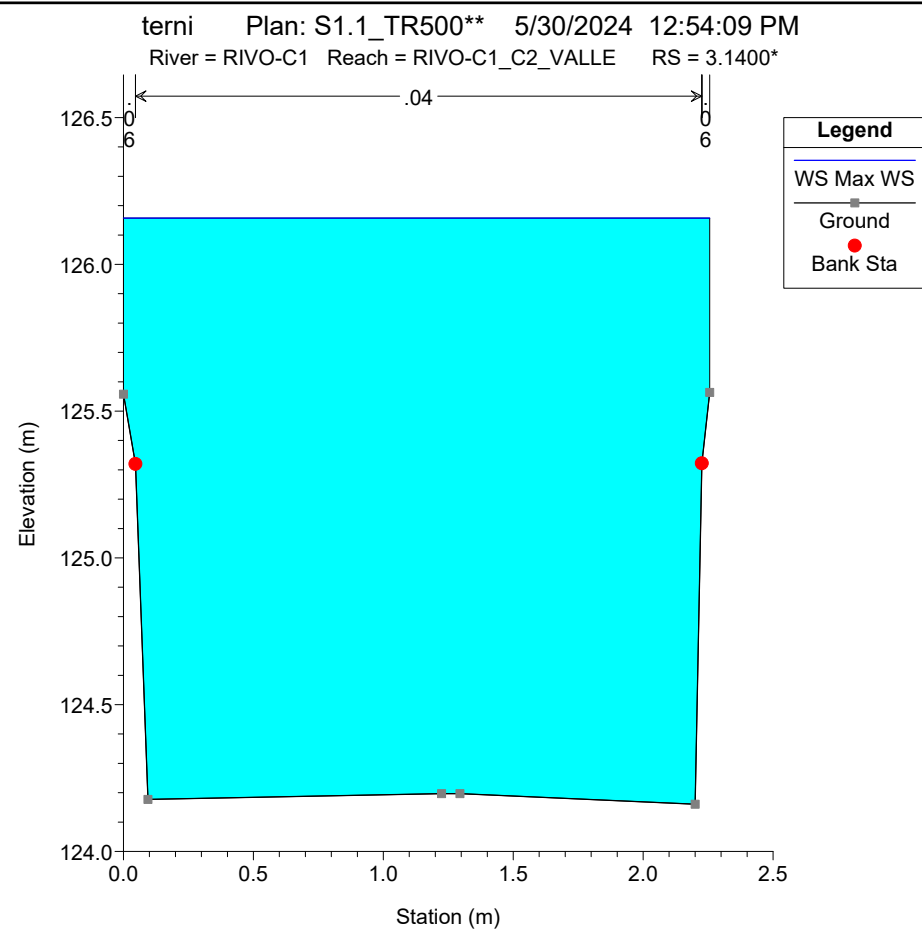
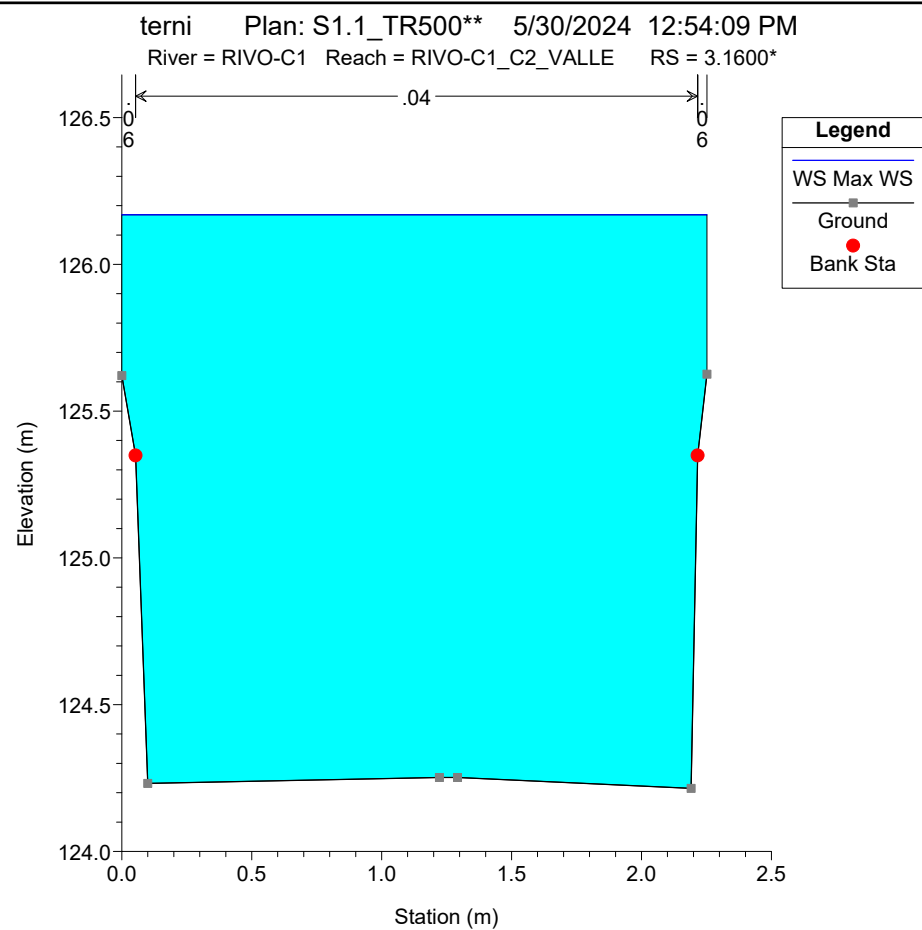
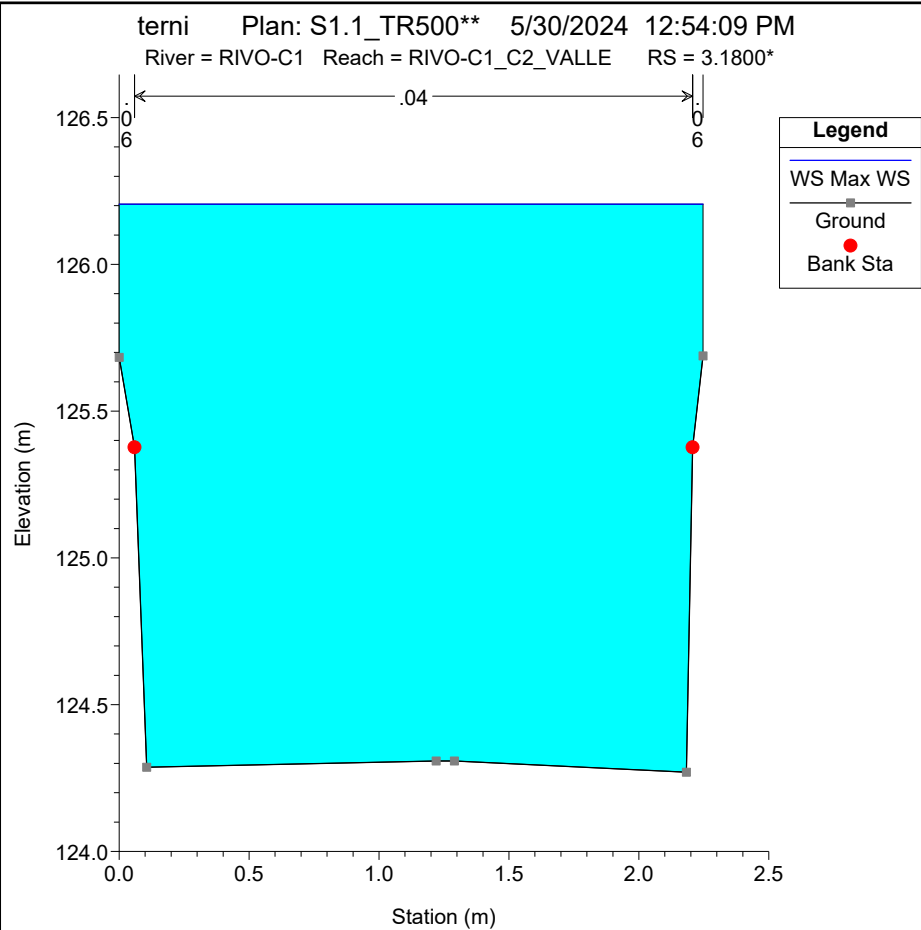


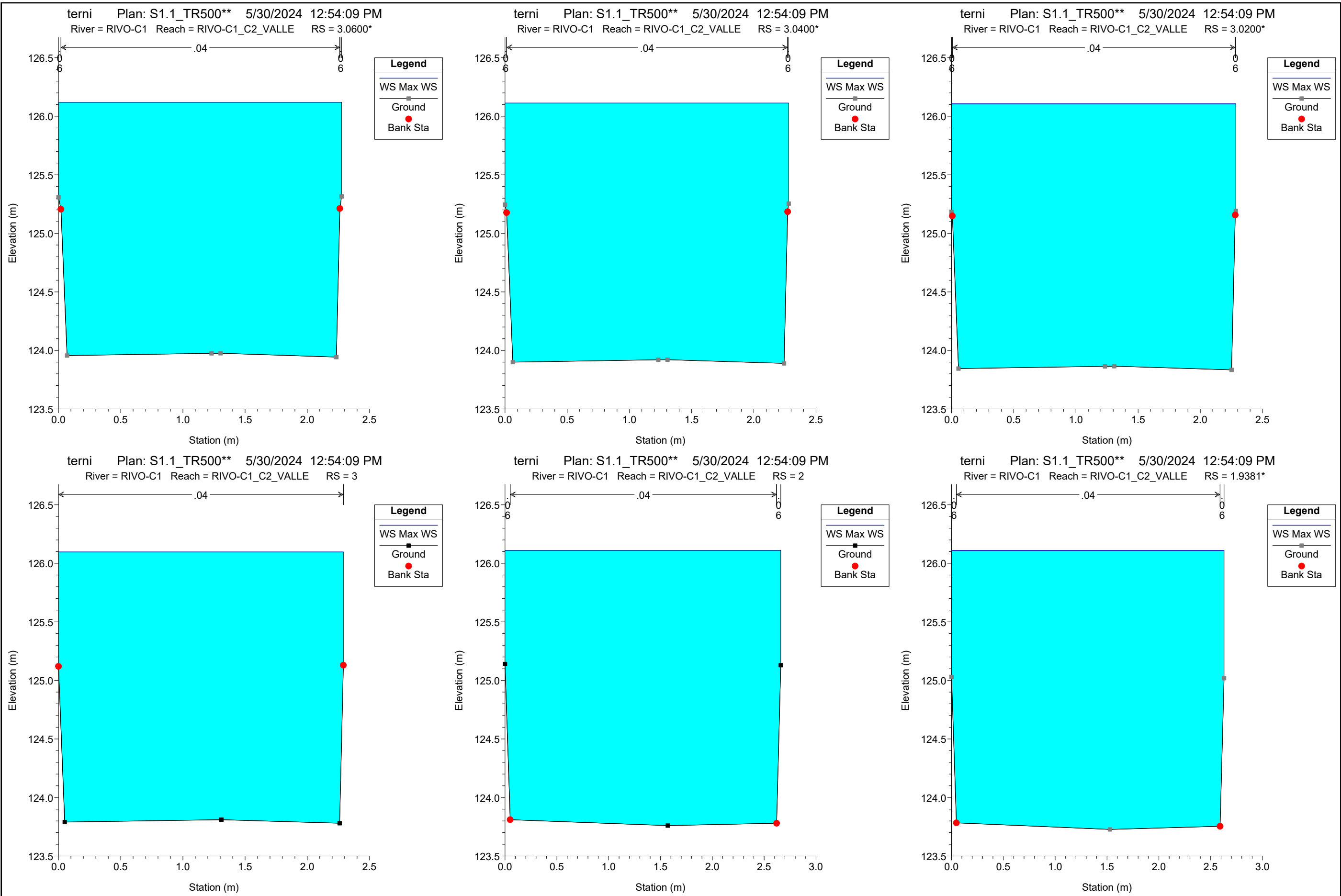


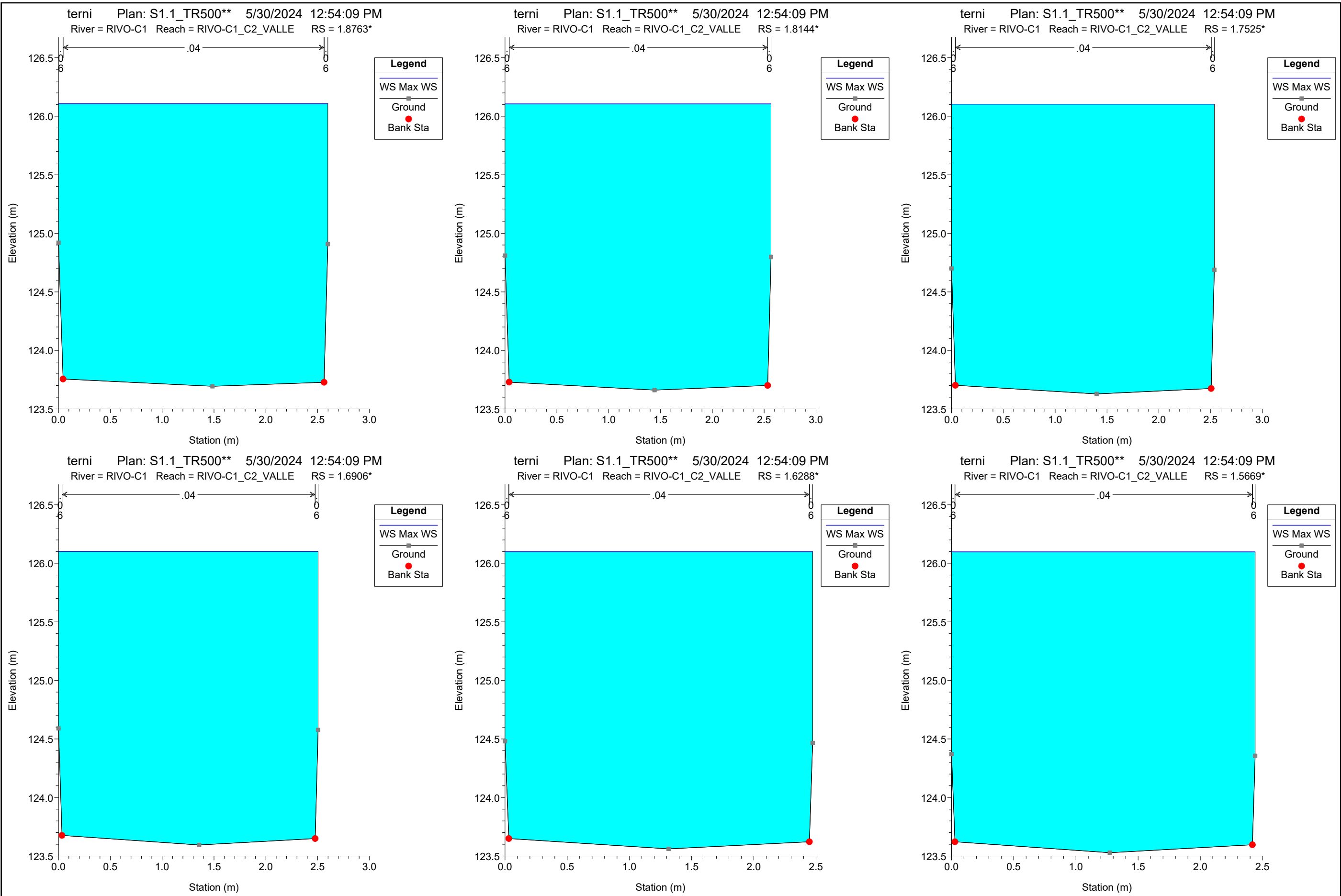


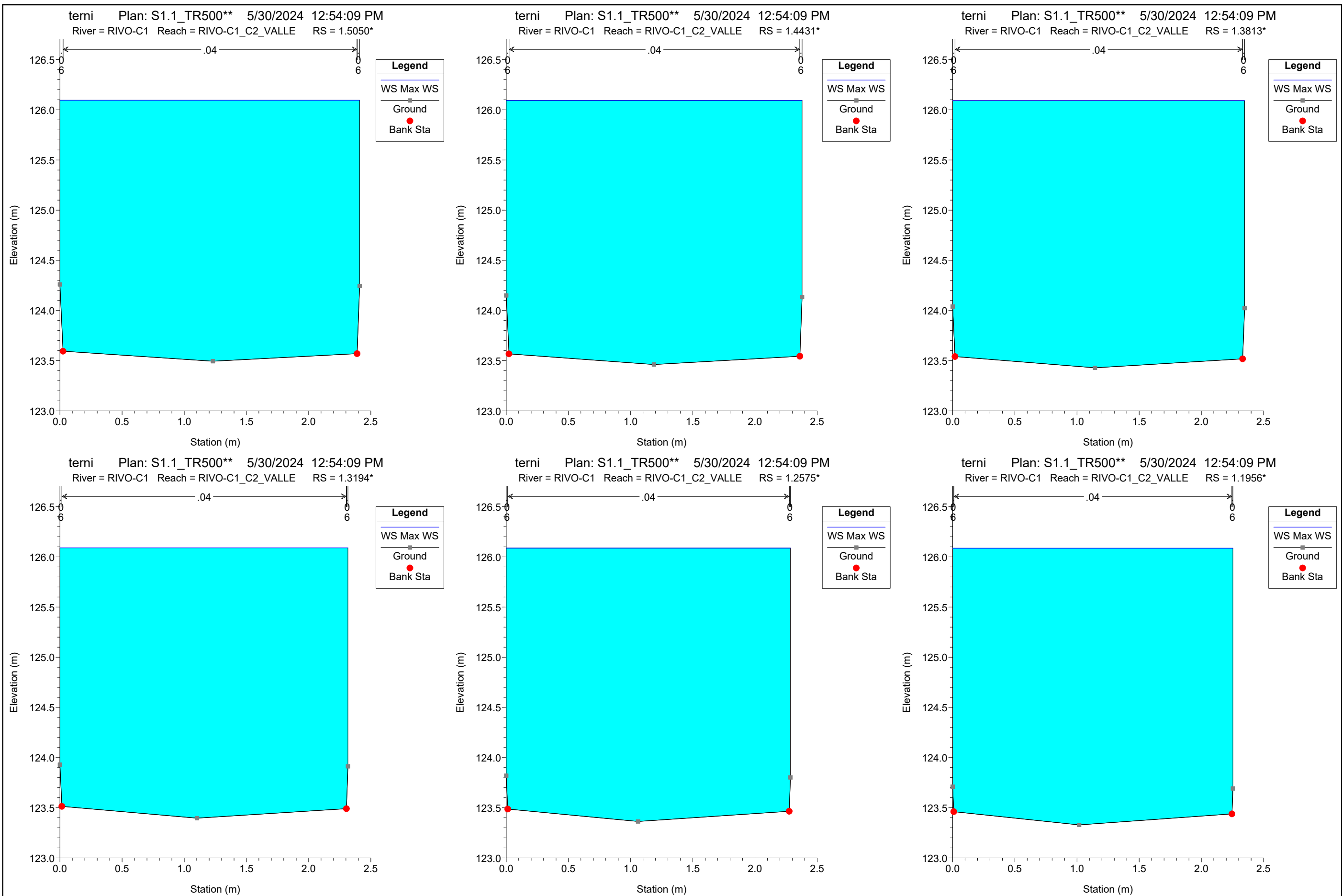


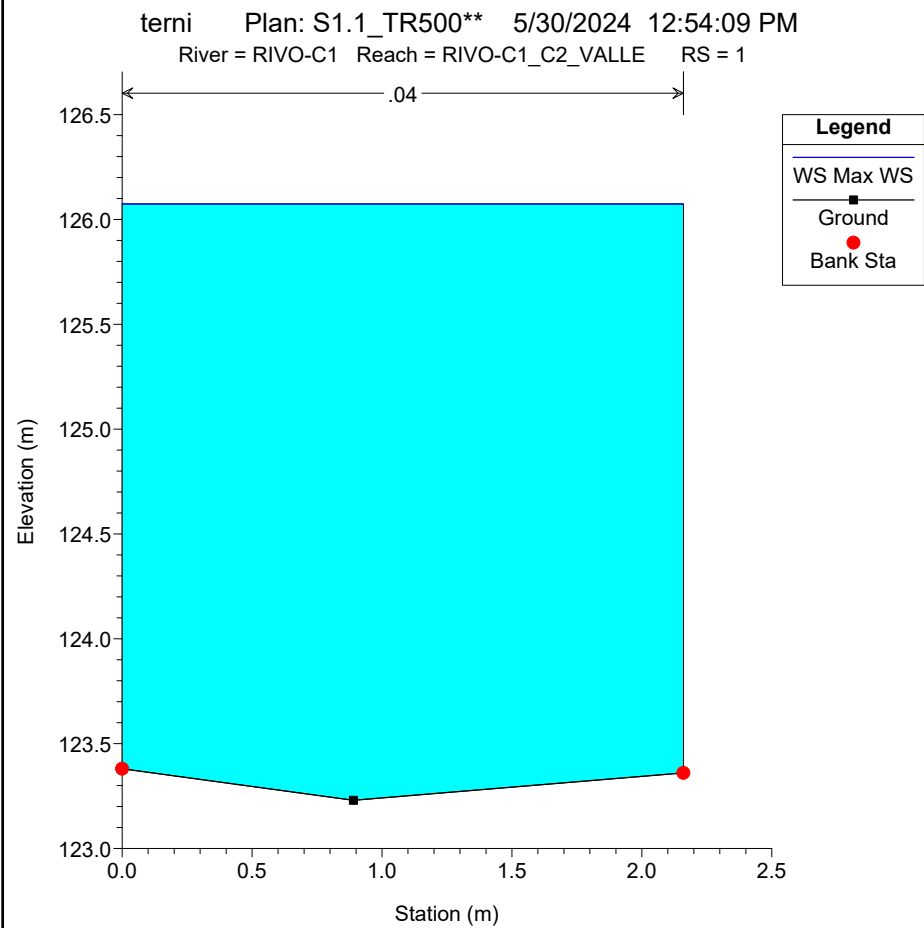
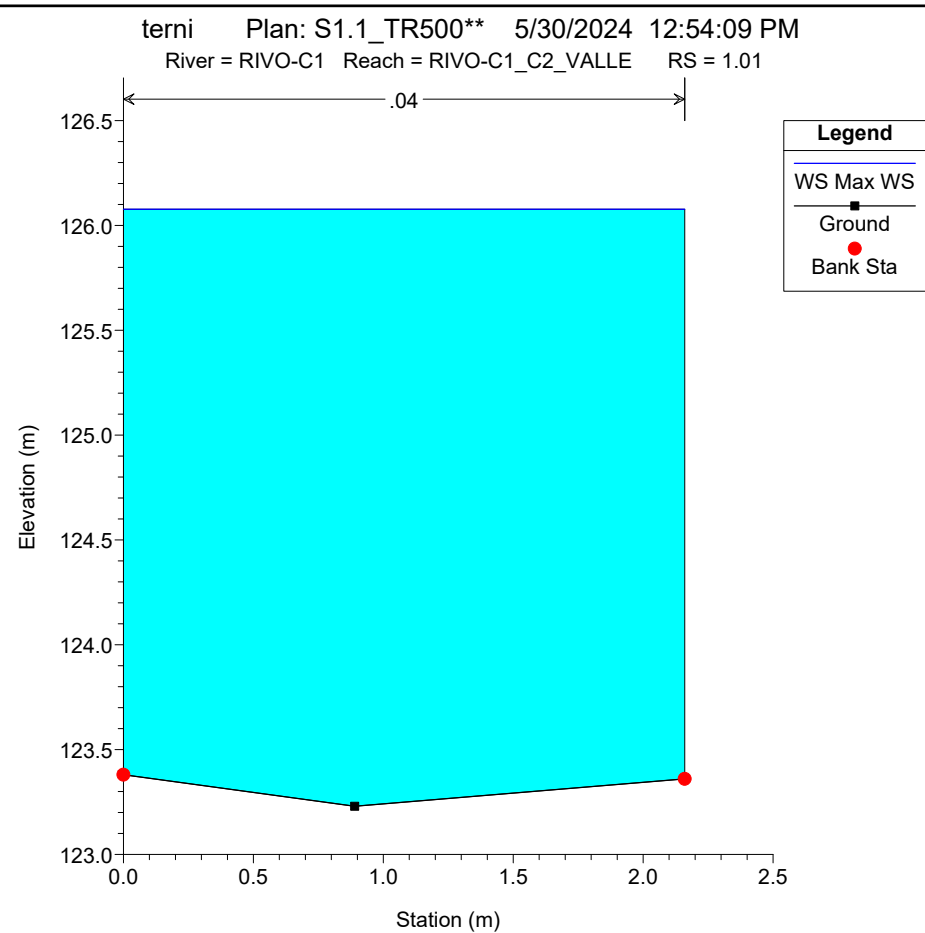
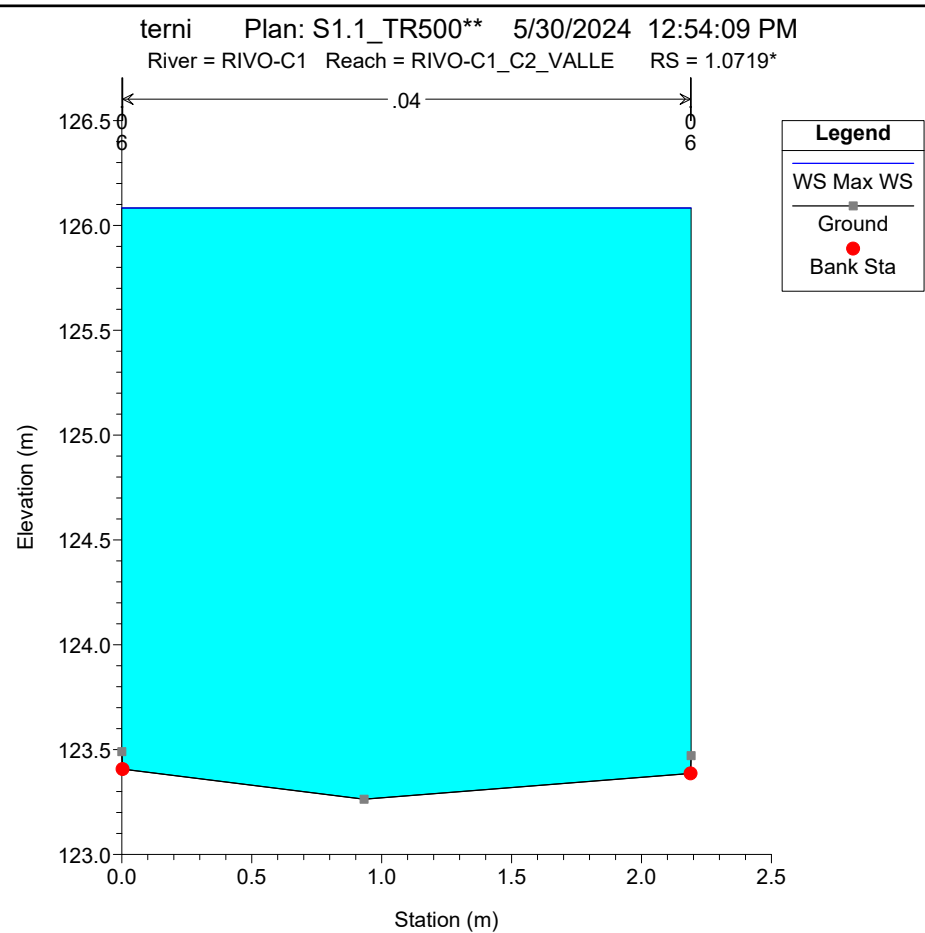
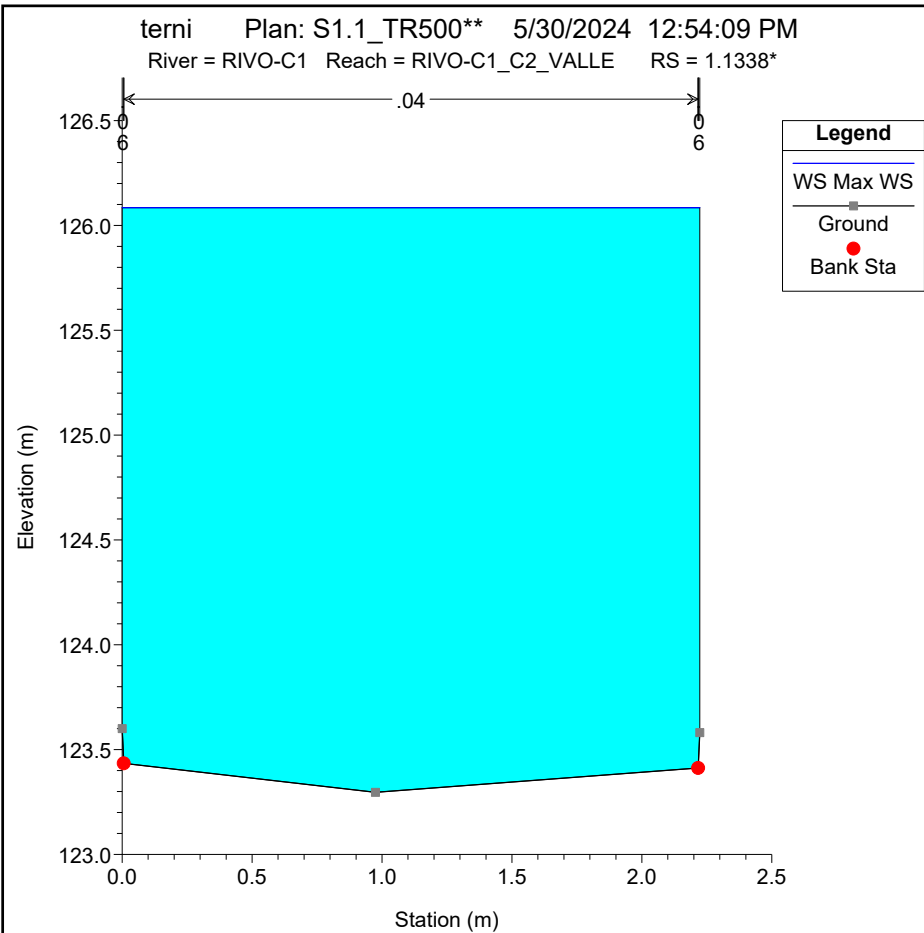












HEC-RAS Plan: S1 TR500** Profile: Max WS

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
RIVO-C1	RIVO-C1_C2_VALLE	6	Max WS	10.59	128.16	129.53	129.51	130.06	0.013384	3.40	3.94	3.98	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9545*	Max WS	10.58	128.09	129.47	129.44	129.99	0.013212	3.39	3.95	3.97	0.95
RIVO-C1	RIVO-C1_C2_VALLE	5.9091*	Max WS	10.58	128.03	129.40	129.38	129.93	0.013056	3.39	3.96	3.96	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8636*	Max WS	10.57	127.96	129.34	129.31	129.86	0.012837	3.37	3.97	3.94	0.94
RIVO-C1	RIVO-C1_C2_VALLE	5.8182*	Max WS	10.58	127.90	129.28	129.24	129.80	0.012635	3.36	3.99	3.92	0.93
RIVO-C1	RIVO-C1_C2_VALLE	5.7727*	Max WS	10.58	127.83	129.22	129.17	129.73	0.012421	3.35	4.01	3.89	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.7273*	Max WS	10.59	127.77	129.16	129.10	129.67	0.012185	3.33	4.03	3.86	0.92
RIVO-C1	RIVO-C1_C2_VALLE	5.6818*	Max WS	10.59	127.70	129.11	129.04	129.61	0.011900	3.31	4.06	3.83	0.91
RIVO-C1	RIVO-C1_C2_VALLE	5.6364*	Max WS	10.60	127.63	129.05	128.97	129.55	0.011602	3.29	4.08	3.80	0.90
RIVO-C1	RIVO-C1_C2_VALLE	5.5909*	Max WS	10.60	127.57	129.00	128.90	129.48	0.011278	3.27	4.11	3.76	0.89
RIVO-C1	RIVO-C1_C2_VALLE	5.5455*	Max WS	10.60	127.50	128.94		129.42	0.010924	3.24	4.15	3.72	0.88
RIVO-C1	RIVO-C1_C2_VALLE	5.5000*	Max WS	10.61	127.44	128.89		129.37	0.010538	3.21	4.18	3.68	0.86
RIVO-C1	RIVO-C1_C2_VALLE	5.4545*	Max WS	10.61	127.37	128.84		129.31	0.010125	3.18	4.23	3.64	0.85
RIVO-C1	RIVO-C1_C2_VALLE	5.4091*	Max WS	10.62	127.30	128.80		129.25	0.009691	3.14	4.28	3.60	0.83
RIVO-C1	RIVO-C1_C2_VALLE	5.3636*	Max WS	10.62	127.24	128.76		129.20	0.009211	3.10	4.33	3.55	0.81
RIVO-C1	RIVO-C1_C2_VALLE	5.3182*	Max WS	10.63	127.17	128.72		129.15	0.008722	3.06	4.39	3.51	0.80
RIVO-C1	RIVO-C1_C2_VALLE	5.2727*	Max WS	10.63	127.10	128.68		129.10	0.008235	3.01	4.45	3.46	0.78
RIVO-C1	RIVO-C1_C2_VALLE	5.2273*	Max WS	10.64	127.04	128.65		129.06	0.007747	2.97	4.52	3.40	0.76
RIVO-C1	RIVO-C1_C2_VALLE	5.1818*	Max WS	10.64	126.97	128.61		129.01	0.007267	2.92	4.58	3.34	0.73
RIVO-C1	RIVO-C1_C2_VALLE	5.1364*	Max WS	10.65	126.91	128.59		128.97	0.006788	2.87	4.65	3.25	0.71
RIVO-C1	RIVO-C1_C2_VALLE	5.0909*	Max WS	10.65	126.84	128.56		128.94	0.006331	2.82	4.72	3.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	5.0455*	Max WS	10.66	126.78	128.54		128.90	0.005913	2.77	4.78	3.07	0.67
RIVO-C1	RIVO-C1_C2_VALLE	5	Max WS	10.66	126.71	128.52		128.87	0.005512	2.72	4.83	2.98	0.65
RIVO-C1	RIVO-C1_C2_VALLE	4.7500*	Max WS	10.66	126.66	128.48		128.89	0.006390	2.94	4.42	2.75	0.70
RIVO-C1	RIVO-C1_C2_VALLE	4.5000*	Max WS	10.66	126.61	128.44		128.94	0.007494	3.20	4.02	2.51	0.76
RIVO-C1	RIVO-C1_C2_VALLE	4.2500*	Max WS	10.67	126.55	128.41		129.00	0.008723	3.47	3.65	2.28	0.82
RIVO-C1	RIVO-C1_C2_VALLE	4	Max WS	10.67	126.50	128.41		129.10	0.009911	3.74	3.34	2.05	0.88
RIVO-C1	RIVO-C1_C2_VALLE	3.9800*	Max WS	10.67	126.45	128.36		129.04	0.009939	3.70	3.36	2.05	0.87
RIVO-C1	RIVO-C1_C2_VALLE	3.9600*	Max WS	10.68	126.39	128.31		128.97	0.010035	3.66	3.39	2.06	0.86
RIVO-C1	RIVO-C1_C2_VALLE	3.9400*	Max WS	10.68	126.34	128.26		128.91	0.010129	3.61	3.41	2.06	0.84
RIVO-C1	RIVO-C1_C2_VALLE	3.9200*	Max WS	10.69	126.28	128.21		128.84	0.010250	3.57	3.44	2.07	0.83
RIVO-C1	RIVO-C1_C2_VALLE	3.9000*	Max WS	10.70	126.23	128.16		128.78	0.010357	3.53	3.46	2.07	0.82
RIVO-C1	RIVO-C1_C2_VALLE	3.8800*	Max WS	10.70	126.17	128.11		128.72	0.010448	3.49	3.49	2.08	0.81
RIVO-C1	RIVO-C1_C2_VALLE	3.8600*	Max WS	10.71	126.12	128.06		128.65	0.010562	3.45	3.51	2.08	0.80
RIVO-C1	RIVO-C1_C2_VALLE	3.8400*	Max WS	10.71	126.07	128.01		128.59	0.010631	3.41	3.53	2.09	0.79
RIVO-C1	RIVO-C1_C2_VALLE	3.8200*	Max WS	10.72	126.01	127.96		128.53	0.010725	3.38	3.56	2.09	0.78
RIVO-C1	RIVO-C1_C2_VALLE	3.8000*	Max WS	10.73	125.96	127.91		128.47	0.010788	3.34	3.58	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7800*	Max WS	10.73	125.90	127.85		128.40	0.010857	3.31	3.60	2.10	0.77
RIVO-C1	RIVO-C1_C2_VALLE	3.7600*	Max WS	10.74	125.85	127.80		128.34	0.010938	3.28	3.62	2.11	0.76
RIVO-C1	RIVO-C1_C2_VALLE	3.7400*	Max WS	10.74	125.79	127.75		128.28	0.010969	3.25	3.65	2.11	0.75
RIVO-C1	RIVO-C1_C2_VALLE	3.7200*	Max WS	10.75	125.74	127.70		128.22	0.011054	3.22	3.67	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.7000*	Max WS	10.76	125.68	127.65		128.16	0.011099	3.19	3.69	2.12	0.74
RIVO-C1	RIVO-C1_C2_VALLE	3.6800*	Max WS	10.76	125.63	127.59		128.10	0.011151	3.16	3.71	2.13	0.73
RIVO-C1	RIVO-C1_C2_VALLE	3.6600*	Max WS	10.77	125.57	127.54		128.04	0.011203	3.13	3.73	2.13	0.72
RIVO-C1	RIVO-C1_C2_VALLE	3.6400*	Max WS	10.77	125.52	127.49		127.97	0.011222	3.10	3.75	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6200*	Max WS	10.78	125.47	127.44		127.91	0.011294	3.08	3.77	2.14	0.71
RIVO-C1	RIVO-C1_C2_VALLE	3.6000*	Max WS	10.78	125.41	127.38		127.85	0.011335	3.06	3.79	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5800*	Max WS	10.79	125.36	127.33		127.79	0.011367	3.03	3.81	2.15	0.70
RIVO-C1	RIVO-C1_C2_VALLE	3.5600*	Max WS	10.79	125.30	127.27		127.73	0.011417	3.01	3.83	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5400*	Max WS	10.80	125.25	127.22		127.67	0.011433	2.98	3.85	2.16	0.69
RIVO-C1	RIVO-C1_C2_VALLE	3.5200*	Max WS	10.81	125.19	127.17		127.61	0.011480	2.96	3.87	2.16	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.5000*	Max WS	10.81	125.14	127.11		127.55	0.011502	2.94	3.88	2.17	0.68
RIVO-C1	RIVO-C1_C2_VALLE	3.4800*	Max WS	10.82	125.09	127.06		127.49	0.011535	2.92	3.90	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4600*	Max WS	10.82	125.03	127.00		127.43	0.011597	2.90	3.92	2.18	0.67
RIVO-C1	RIVO-C1_C2_VALLE	3.4400*	Max WS	10.83	124.98	126.95		127.37	0.011605	2.88	3.94	2.18	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4200*	Max WS	10.83	124.92	126.89		127.31	0.011652	2.86	3.96	2.19	0.66
RIVO-C1	RIVO-C1_C2_VALLE	3.4000*	Max WS	10.84	124.87	126.84		127.24	0.011681	2.84	3.97	2.19	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3800*	Max WS	10.84	124.81	126.78		127.18	0.011711	2.82	3.99	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3600*	Max WS	10.85	124.76	126.72		127.12	0.011760	2.80	4.01	2.20	0.65
RIVO-C1	RIVO-C1_C2_VALLE	3.3400*	Max WS	10.85	124.71	126.67		127.06	0.011784	2.79	4.02	2.21	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.3200*	Max WS	10.86	124.65	126.61		127.00	0.011845	2.77	4.04	2.21	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.3000*	Max WS	10.86	124.60	126.55		126.94	0.011883	2.76	4.05	2.22	0.64
RIVO-C1	RIVO-C1_C2_VALLE	3.2800*	Max WS	10.87	124.54	126.50		126.88	0.011923	2.74	4.07	2.22	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2600*	Max WS	10.87	124.49	126.44		126.82	0.011998	2.73	4.08	2.23	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2400*	Max WS	10.88	124.43	126.38		126.75	0.012031	2.71	4.10	2.23	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2200*	Max WS	10.88	124.38	126.32		126.69	0.012111	2.70	4.11	2.24	0.63
RIVO-C1	RIVO-C1_C2_VALLE	3.2000*	Max WS	10.89	124.32	126.26		126.63	0.012185	2.69	4.12	2.24	0.62
RIVO-C1	RIVO-C1_C2_VALLE	3.1800*	Max WS	10.89	124.27	126.20		126.57	0.012263	2.68	4.13	2.25	0.62
RIVO-C1	RIVO-C1_C2_VALLE	3.1600*	Max WS	6.21	124.22	126.16		126.27	0.003938	1.51	4.17	2.25	0.35
RIVO-C1	RIVO-C1_C2_VALLE	3.1400*	Max WS	6.19	124.16	126.14		126.25	0.003613	1.46	4.28	2.26	0.33
RIVO-C1	RIVO-C1_C2_VALLE	3.1200*	Max WS	6.19	124.11	126.13		126.23	0.003346	1.42	4.40	2.26	0.32
RIVO-C1	RIVO-C1_C2_VALLE	3.1000*	Max WS	6.16	124.05	126.12		126.22	0.003072	1.37	4.53	2.27	0.31
RIVO-C1	RIVO-C1_C2_VALLE	3.0800*	Max WS	6.16	124.00	126.11		126.20	0.002844	1.33	4.66	2.27	0.30
RIVO-C1	RIVO-C1_C2_VALLE	3.0600*	Max WS	6.16	123.94	126.11		126.19	0.002635	1.30	4.78	2.28	0.28
RIVO-C1	RIVO-C1_C2_VALLE	3.0400*	Max WS	6.14	123.89	126.10		126.18	0.002419	1.25	4.92	2.28	0.27
RIVO-C1	RIVO-C1_C2_VALLE	3.0200*	Max WS	6.14	123.83	126.09		126.17	0.002240	1.22	5.05	2.29	0.26
RIVO-C1	RIVO-C1_C2_VALLE	3	Max WS	6.12	123.78	126.08		126.15	0.003218	1.18	5.18	2.29	0.25
RIVO-C1	RIVO-C1_C2_VALLE	2	Max WS	6.16	123.76	126.10		126.15	0.000558	1.03	6.10	2.66	0.22
RIVO-C1	RIVO-C1_C2_VALLE	1.9381*	Max WS	6.16	123.73	126.09		126.15	0.000547	1.03	6.11	2.63	0.22
RIVO-C1	RIVO-C1_C2_VALLE	1.8763*	Max WS	6.16	123.69	126.09		126.15	0.000537	1.03	6.12	2.60	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.8144*	Max WS	6.16	123.66	126.09		126.14	0.000527	1.03	6.12	2.57	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.7525*	Max WS	6.14	123.63	126.09		126.14	0.000515	1.02	6.12	2.54	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.6906*	Max WS	6.14	123.59	126.09		126.14	0.000506	1.02	6.12	2.50	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.6288*	Max WS	6.12	123.56	126.08		126.14	0.000495	1.02	6.12	2.47	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.5669*	Max WS	6.12	123.53	126.08		126.13	0.000487	1.02	6.11	2.44	0.21
RIVO-C1	RIVO-C1_C2_VALLE	1.5050*	Max WS	6.10	123.49	126.08		126.13	0.000476	1.01	6.11	2.41	0.20
RIVO-C1	RIVO-C1_C2_VALLE	1.4431*	Max WS	6.10	123.46	126.08		126.13	0.000470	1.01	6.10	2.38	0.20
RIVO-C1	RIVO-C1_C2_VALLE	1.3813*	Max										

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO	85.305		Lat Struct									
RIVO	RIVO	85.300*	Max WS	48.18	159.20	161.48	161.76	162.51	0.024841	6.35	14.86	13.12	1.37
RIVO	RIVO	85.200*	Max WS	48.18	159.03	161.36	161.62	162.34	0.024101	6.24	15.06	13.13	1.34
RIVO	RIVO	85.100*	Max WS	48.17	158.87	161.24	161.48	162.18	0.023416	6.11	15.28	13.13	1.29
RIVO	RIVO	85	Max WS	48.16	158.71	161.13	161.34	162.01	0.022808	5.94	15.50	13.14	1.24
RIVO	RIVO	84.909*	Max WS	48.09	158.60	161.02	161.23	161.91	0.022634	5.99	15.39	12.75	1.25
RIVO	RIVO	84.818*	Max WS	48.10	158.49	160.91	161.12	161.82	0.022588	6.06	15.27	12.36	1.26
RIVO	RIVO	84.729		Lat Struct									
RIVO	RIVO	84.728		Lat Struct									
RIVO	RIVO	84.727*	Max WS	48.09	158.38	160.81	161.02	161.73	0.022577	6.13	15.12	11.97	1.27
RIVO	RIVO	84.636*	Max WS	48.06	158.26	160.70	160.91	161.64	0.022615	6.21	14.96	11.58	1.28
RIVO	RIVO	84.545*	Max WS	47.90	158.15	160.59	160.81	161.56	0.022613	6.29	14.77	11.19	1.29
RIVO	RIVO	84.455*	Max WS	47.83	158.04	160.48	160.71	161.48	0.022857	6.41	14.55	10.79	1.32
RIVO	RIVO	84.364*	Max WS	47.87	157.93	160.38	160.61	161.42	0.023317	6.56	14.30	10.40	1.34
RIVO	RIVO	84.273*	Max WS	47.92	157.82	160.26	160.53	161.37	0.024055	6.74	14.00	10.01	1.38
RIVO	RIVO	84.184		Lat Struct									
RIVO	RIVO	84.183		Lat Struct									
RIVO	RIVO	84.182*	Max WS	47.87	157.70	160.15	160.43	161.32	0.025006	6.95	13.65	9.62	1.42
RIVO	RIVO	84.091*	Max WS	47.80	157.59	160.02	160.34	161.30	0.026372	7.22	13.23	9.23	1.48
RIVO	RIVO	84	Max WS	47.78	157.48	159.90	160.27	161.30	0.028422	7.57	12.72	8.84	1.56
RIVO	RIVO	83.917*	Max WS	47.81	157.36	159.76	160.13	161.15	0.028339	7.52	12.77	8.98	1.55
RIVO	RIVO	83.833*	Max WS	47.84	157.23	159.62	159.99	161.01	0.028299	7.49	12.82	9.12	1.55
RIVO	RIVO	83.750*	Max WS	47.83	157.11	159.48	159.85	160.86	0.028248	7.45	12.86	9.26	1.55
RIVO	RIVO	83.669		Lat Struct									
RIVO	RIVO	83.668		Lat Struct									
RIVO	RIVO	83.667*	Max WS	47.85	156.99	159.34	159.71	160.72	0.028278	7.42	12.89	9.40	1.55
RIVO	RIVO	83.583*	Max WS	47.85	156.86	159.20	159.58	160.59	0.028405	7.40	12.91	9.54	1.55
RIVO	RIVO	83.500*	Max WS	47.85	156.74	159.06	159.44	160.45	0.028584	7.38	12.92	9.67	1.55
RIVO	RIVO	83.417*	Max WS	47.85	156.62	158.92	159.31	160.32	0.028898	7.38	12.91	9.81	1.56
RIVO	RIVO	83.333*	Max WS	47.84	156.49	158.78	159.18	160.19	0.029386	7.39	12.87	9.95	1.57
RIVO	RIVO	83.250*	Max WS	47.85	156.37	158.63	159.04	160.07	0.030172	7.43	12.79	10.09	1.59
RIVO	RIVO	83.169		Lat Struct									
RIVO	RIVO	83.168		Lat Struct									
RIVO	RIVO	83.167*	Max WS	47.83	156.25	158.48	158.90	159.96	0.031351	7.51	12.65	10.23	1.61
RIVO	RIVO	83.083*	Max WS	47.82	156.12	158.32	158.78	159.87	0.033229	7.64	12.43	10.37	1.66
RIVO	RIVO	83	Max WS	47.80	156.00	158.15	158.64	159.81	0.036361	7.86	12.07	10.51	1.72
RIVO	RIVO	82.889*	Max WS	47.77	155.89	157.99	158.44	159.54	0.034093	7.23	12.20	10.93	1.63
RIVO	RIVO	82.778*	Max WS	47.71	155.78	157.84	158.26	159.27	0.032268	6.73	12.36	11.35	1.55
RIVO	RIVO	82.667*	Max WS	47.68	155.67	157.69	158.08	159.03	0.030971	6.33	12.54	11.77	1.49
RIVO	RIVO	82.558		Lat Struct									
RIVO	RIVO	82.557		Lat Struct									
RIVO	RIVO	82.556*	Max WS	47.10	155.56	157.55	157.90	158.77	0.029197	5.92	12.74	12.18	1.42
RIVO	RIVO	82.444*	Max WS	47.19	155.44	157.42	157.74	158.56	0.028432	5.64	12.96	12.61	1.38
RIVO	RIVO	82.333*	Max WS	47.56	155.33	157.29	157.59	158.38	0.028422	5.45	13.15	13.02	1.36
RIVO	RIVO	82.222*	Max WS	48.03	155.22	157.16	157.46	158.22	0.029161	5.33	13.26	13.44	1.36
RIVO	RIVO	82.111*	Max WS	48.15	155.11	157.03	157.32	158.07	0.030245	5.23	13.26	13.86	1.37
RIVO	RIVO	82.1		Lat Struct									
RIVO	RIVO	82	Max WS	43.72	155.00	156.90	157.11	157.73	0.025516	4.64	13.33	14.28	1.24
RIVO	RIVO	81.903		Lat Struct									
RIVO	RIVO	81.900*	Max WS	39.99	154.86	156.78	156.91	157.48	0.020355	4.28	13.30	13.32	1.12
RIVO	RIVO	81.800*	Max WS	37.13	154.73	156.69	156.74	157.28	0.016078	3.97	13.43	12.37	1.01
RIVO	RIVO	81.700*	Max WS	34.89	154.59	156.62		157.12	0.012829	3.72	13.60	11.41	0.92
RIVO	RIVO	81.69		Lat Struct									
RIVO	RIVO	81.600*	Max WS	34.82	154.46	156.56		157.06	0.011691	3.74	13.70	10.46	0.89
RIVO	RIVO	81.500*	Max WS	34.73	154.32	156.56	156.08	156.90	0.005007	2.78	16.06	9.50	0.61
RIVO	RIVO	81.49		Int Struct									
RIVO	RIVO	81.400*	Max WS	34.72	154.18	156.30	156.28	156.97	0.014647	4.39	12.00	8.54	1.02
RIVO	RIVO	81.303		Lat Struct									
RIVO	RIVO	81.302		Lat Struct									
RIVO	RIVO	81.300*	Max WS	34.69	154.05	156.22	156.21	156.98	0.015671	4.74	11.39	7.59	1.07
RIVO	RIVO	81.200*	Max WS	34.56	153.91	156.14	156.19	157.05	0.017923	5.29	10.55	6.63	1.17
RIVO	RIVO	81.100*	Max WS	34.33	153.78	156.04	156.21	157.24	0.022658	6.17	9.43	5.68	1.34
RIVO	RIVO	81	Max WS	34.17	153.64	155.89	156.32	157.73	0.034043	7.81	7.96	4.72	1.68
RIVO	RIVO	80.923*	Max WS	34.02	153.53	155.74	156.11	157.36	0.031766	7.41	8.30	5.16	1.61
RIVO	RIVO	80.846*	Max WS	34.35	153.42	155.59	155.93	157.09	0.030702	7.17	8.63	5.59	1.57
RIVO	RIVO	80.771		Lat Struct									
RIVO	RIVO	80.770		Lat Struct									
RIVO	RIVO	80.769*	Max WS	34.67	153.31	155.44	155.77	156.85	0.029944	6.98	8.93	6.03	1.55
RIVO	RIVO	80.692*	Max WS	33.69	153.20	155.30	155.58	156.54	0.027254	6.57	9.21	6.46	1.47
RIVO	RIVO	80.615*	Max WS	33.85	153.09	155.17	155.43	156.34	0.026262	6.39	9.53	6.90	1.44
RIVO	RIVO	80.538*	Max WS	34.29	152.98	155.05	155.30	156.16	0.025802	6.28	9.84	7.33	1.42
RIVO	RIVO	80.462*	Max WS	34.84	152.87	154.93	155.17	156.01	0.025665	6.21	10.13	7.77	1.41
RIVO	RIVO	80.385*	Max WS	35.37	152.76	154.80	155.06	155.87	0.025702	6.16	10.39	8.20	1.40
RIVO	RIVO	80.310		Lat Struct									
RIVO	RIVO	80.309		Lat Struct									
RIVO	RIVO	80.308*	Max WS	35.29	152.65	154.68	154.92	155.70	0.024989	6.03	10.63	8.64	1.38
RIVO	RIVO	80.231*	Max WS	35.27	152.54	154.56	154.79	155.54	0.024340	5.91	10.88	9.07	1.36
RIVO	RIVO	80.154*	Max WS	34.31	152.43	154.45	154.64	155.34	0.022346	5.63	11.14	9.51	1.30
RIVO	RIVO	80.077*	Max WS	34.70	152.32	154.34	154.54	155.21	0.021920	5.56	11.45	9.94	1.28
RIVO	RIVO	80	Max WS	35.45	152.21	154.22	154.52	155.41	0.027867	6.22	9.78	7.74	1.44
RIVO	RIVO	79.875*	Max WS	35.52	152.06	154.11	154.31	155.00	0.021535	5.60	11.66	9.93	1.28
RIVO	RIVO	79.752		Lat Struct									
RIVO	RIVO	79.751		Lat Struct									
RIVO	RIVO	79.750*	Max WS	35.49	151.91	154.02	154.19	154.88	0.019654	5.50	11.82	9.49	1.24
RIVO	RIVO	79.625*	Max WS	35.43	151.76	153.94	154.07	154.77	0.017826	5.40	12.01	9.04	1.19
RIVO	RIVO	79.500*	Max WS	35.34	151.61	153.87	153.95	154.67	0.016119	5.30	12.20	8.59	1.14
RIVO	RIVO	79.375*	Max WS	35.32	151.46	153.80	153.84	154.59	0.014675	5.22	12.37	8.14	1.10
RIVO	RIVO	79.3		Lat Struct									
RIVO	RIVO	79.250*	Max WS	34.91	151.31	153.74	153.72	154.50	0.012983	5.08	12.58	7.69	1.05
RIVO	RIVO	79.125*	Max WS	34.78	151.16	153.69	153.61	154.44	0.011869	5.01	12.71	7.25	1.01
RIVO	RIVO	79.05		Lat Struct									
RIVO	RIVO	79	Max WS	35.40	151.01	153.61	153.53	154.42	0.012183	5.19	12.50	6.80	1.03
RIVO	RIVO	78.500*	Max WS	35.94	150.90	153.65		154.23	0.008017	4.32	14.57	7.21	0.84
RIVO	RIVO	78	Max WS	35.94	150.76	153.72		154.12	0.005299	3.58	16.89	7.63	0.68
RIVO	RIVO	77.500*	Max WS	35.50	150.73	153.81		154.07	0.003827	3.20	21.60	11.20	0.59
RIVO	RIVO	77	Max WS	35.01	150.69	153.86		154.03	0.002986	2.94	26.22	14.77	0.53
RIVO	RIVO	76.750*	Max WS	34.14	150.72	153.85		154.03	0.003144	2.99	24.77	13.39	0.54
RIVO	RIVO	76.503		Lat Struct									
RIVO	RIVO	76.500*	Max WS	33.18	150.74	153.84		154.02	0.003340	3.06	23.18	12.00	0.56
RIVO	RIVO	76.250*	Max WS	32.10	150.77	153.82		154.02	0.003597	3.14	21.44	10.62	0.58

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO	75	Max WS	25.99	150.20	153.83		154.00	0.001615	2.35	20.63	7.28	0.40
RIVO	RIVO	74.669	Lat Struct										
RIVO	RIVO	74.668	Lat Struct										
RIVO	RIVO	74.667*	Max WS	24.34	150.12	153.87		153.99	0.001105	1.99	22.73	7.70	0.33
RIVO	RIVO	74.333*	Max WS	22.47	150.05	153.90		153.98	0.000749	1.67	24.86	8.11	0.27
RIVO	RIVO	74	Max WS	20.48	149.97	153.92	151.74	153.98	0.000503	1.40	27.02	8.53	0.22
RIVO	RIVO	73.50 Strada Vicinale	Bridge										
RIVO	RIVO	73	Max WS	17.87	149.54	152.93		153.00	0.000419	1.15	15.69	4.69	0.20
RIVO	RIVO	72.63	Lat Struct										
RIVO	RIVO	72.5	Lat Struct										
RIVO	RIVO	72	Max WS	18.07	149.54	152.92	150.72	152.99	0.000429	1.16	15.72	4.71	0.20
RIVO	RIVO	71.50 Strada Vicinale	Bridge										
RIVO	RIVO	71	Max WS	17.28	149.21	152.83		152.89	0.000387	1.11	15.90	4.70	0.19
RIVO	RIVO	70.6	Lat Struct										
RIVO	RIVO	70.5	Lat Struct										
RIVO	RIVO	70	Max WS	18.23	149.00	152.86		152.88	0.000152	0.72	48.91	22.11	0.12
RIVO	RIVO	69.936	Lat Struct										
RIVO	RIVO	69.834	Lat Struct										
RIVO	RIVO	69.833*	Max WS	18.38	148.95	152.86		152.88	0.000121	0.66	50.09	22.19	0.11
RIVO	RIVO	69.667*	Max WS	18.51	148.90	152.86		152.88	0.000096	0.60	51.60	22.28	0.10
RIVO	RIVO	69.500*	Max WS	18.61	148.85	152.86		152.88	0.000076	0.54	53.45	22.36	0.09
RIVO	RIVO	69.333*	Max WS	18.72	148.80	152.86		152.87	0.000060	0.49	55.65	22.44	0.08
RIVO	RIVO	69	Max WS	18.69	148.68	152.87	149.39	152.87	0.000036	0.39	61.06	22.61	0.06
RIVO	RIVO	68.50 Strada Vicinale	Bridge										
RIVO	RIVO	68	Max WS	18.69	148.30	152.83		152.84	0.000050	0.48	55.60	19.69	0.07
RIVO	RIVO	67.6	Lat Struct										
RIVO	RIVO	67.5	Lat Struct										
RIVO	RIVO	67	Max WS	25.31	147.90	152.70	150.04	152.90	0.000791	1.99	13.60	32.00	0.29
RIVO	RIVO	66.50 Ferrovia	Bridge										
RIVO	RIVO	66	Max WS	25.31	147.32	148.96	149.64	151.25	0.041895	6.69	3.78	4.14	1.75
RIVO	RIVO	65.931	Lat Struct										
RIVO	RIVO	65.930	Lat Struct										
RIVO	RIVO	65.929*	Max WS	25.28	147.19	148.80	149.35	150.21	0.027188	5.38	5.54	5.12	1.40
RIVO	RIVO	65.857*	Max WS	25.29	147.06	148.68	149.07	150.03	0.025794	5.28	5.77	6.12	1.37
RIVO	RIVO	65.786*	Max WS	25.28	146.93	148.56	148.96	149.84	0.024004	5.15	6.06	7.13	1.33
RIVO	RIVO	65.714*	Max WS	25.28	146.79	148.45	148.82	149.64	0.021908	4.99	6.43	8.13	1.27
RIVO	RIVO	65.643*	Max WS	25.28	146.66	148.35	148.69	149.44	0.019452	4.79	6.92	9.43	1.20
RIVO	RIVO	65.571*	Max WS	25.25	146.53	148.27	148.56	149.22	0.016582	4.53	7.62	10.59	1.12
RIVO	RIVO	65.506	Lat Struct										
RIVO	RIVO	65.501	Lat Struct										
RIVO	RIVO	65.500*	Max WS	25.19	146.40	148.20	148.42	149.00	0.013560	4.21	8.56	11.77	1.02
RIVO	RIVO	65.429*	Max WS	25.12	146.27	148.14	148.29	148.79	0.010641	3.85	9.81	12.98	0.91
RIVO	RIVO	65.357*	Max WS	25.03	146.14	148.10	148.15	148.60	0.008059	3.47	11.39	14.22	0.80
RIVO	RIVO	65.286*	Max WS	24.90	146.01	148.07		148.45	0.005822	3.07	13.43	15.49	0.69
RIVO	RIVO	65.214*	Max WS	24.70	145.87	148.10		148.35	0.003670	2.57	16.66	16.87	0.55
RIVO	RIVO	65.143*	Max WS	24.43	145.74	148.14		148.30	0.002319	2.15	20.37	18.26	0.44
RIVO	RIVO	65.076	Lat Struct										
RIVO	RIVO	65.075	Lat Struct										
RIVO	RIVO	65.071*	Max WS	24.14	145.60	148.16		148.27	0.001537	1.83	24.22	19.63	0.37
RIVO	RIVO	65	Max WS	23.85	145.46	148.18	147.17	148.25	0.001053	1.58	28.27	20.98	0.31
RIVO	RIVO	64.50 Passarella Pedon	Bridge										
RIVO	RIVO	64	Max WS	23.85	145.29	146.88	147.14	148.03	0.020439	4.84	5.64	5.09	1.23
RIVO	RIVO	63.940	Lat Struct										
RIVO	RIVO	63.939	Lat Struct										
RIVO	RIVO	63.938*	Max WS	23.93	145.19	146.78	147.27	147.94	0.020528	4.85	5.71	5.13	1.23
RIVO	RIVO	63.875*	Max WS	24.01	145.09	146.69	147.17	147.85	0.020531	4.86	5.74	5.16	1.23
RIVO	RIVO	63.813*	Max WS	24.07	144.99	146.59	147.07	147.75	0.020502	4.86	5.77	5.20	1.23
RIVO	RIVO	63.750*	Max WS	24.13	144.89	146.49	146.97	147.65	0.020482	4.86	5.80	5.26	1.23
RIVO	RIVO	63.688*	Max WS	24.19	144.79	146.39	146.87	147.56	0.020557	4.88	5.83	5.81	1.24
RIVO	RIVO	63.625*	Max WS	24.25	144.69	146.29	146.77	147.46	0.020588	4.89	5.87	6.33	1.24
RIVO	RIVO	63.566	Lat Struct										
RIVO	RIVO	63.565	Lat Struct										
RIVO	RIVO	63.563*	Max WS	24.29	144.59	146.19	146.67	147.37	0.020609	4.89	5.91	6.73	1.24
RIVO	RIVO	63.500*	Max WS	24.33	144.50	146.09	146.57	147.27	0.020627	4.90	5.95	7.16	1.24
RIVO	RIVO	63.438*	Max WS	24.36	144.40	145.99	146.47	147.17	0.020606	4.90	5.99	7.57	1.24
RIVO	RIVO	63.375*	Max WS	24.36	144.30	145.90	146.36	147.07	0.020542	4.89	6.03	7.91	1.24
RIVO	RIVO	63.313*	Max WS	24.36	144.20	145.80	146.26	146.96	0.020469	4.89	6.08	8.32	1.23
RIVO	RIVO	63.250*	Max WS	24.37	144.10	145.70	146.16	146.86	0.020363	4.88	6.14	8.67	1.23
RIVO	RIVO	63.190	Lat Struct										
RIVO	RIVO	63.189	Lat Struct										
RIVO	RIVO	63.188*	Max WS	24.36	144.00	145.60	146.06	146.75	0.020226	4.87	6.20	9.07	1.23
RIVO	RIVO	63.125*	Max WS	24.36	143.90	145.51	145.96	146.65	0.020083	4.85	6.27	9.51	1.22
RIVO	RIVO	63.063*	Max WS	24.36	143.80	145.41	145.86	146.54	0.019872	4.83	6.35	9.93	1.22
RIVO	RIVO	63	Max WS	24.37	143.70	145.32	145.76	146.43	0.019639	4.81	6.45	10.42	1.21
RIVO	RIVO	62.952*	Max WS	24.39	143.59	145.22	145.66	146.34	0.019416	4.82	6.55	10.43	1.21
RIVO	RIVO	62.905*	Max WS	24.40	143.48	145.13	145.56	146.23	0.019142	4.81	6.66	10.50	1.20
RIVO	RIVO	62.859	Lat Struct										
RIVO	RIVO	62.858	Lat Struct										
RIVO	RIVO	62.857*	Max WS	24.39	143.37	145.04	145.46	146.13	0.018801	4.81	6.78	10.64	1.19
RIVO	RIVO	62.810*	Max WS	24.39	143.27	144.95	145.36	146.02	0.018397	4.79	6.93	10.88	1.18
RIVO	RIVO	62.762*	Max WS	24.39	143.16	144.86	145.26	145.92	0.017919	4.77	7.09	11.20	1.17
RIVO	RIVO	62.714*	Max WS	24.39	143.05	144.78	145.16	145.81	0.017371	4.74	7.29	11.64	1.15
RIVO	RIVO	62.667*	Max WS	24.39	142.94	144.70	145.06	145.70	0.016718	4.69	7.53	12.28	1.13
RIVO	RIVO	62.619*	Max WS	24.39	142.83	144.62	144.96	145.58	0.015983	4.64	7.82	13.03	1.11
RIVO	RIVO	62.573	Lat Struct										
RIVO	RIVO	62.572	Lat Struct										
RIVO	RIVO	62.571*	Max WS	24.38	142.72	144.54	144.86	145.47	0.015154	4.57	8.17	13.96	1.08
RIVO	RIVO	62.524*	Max WS	24.38	142.61	144.47	144.29	145.35	0.014173	4.48	8.61	14.83	1.05
RIVO	RIVO	62.476*	Max WS	24.38	142.51	144.41	144.19	145.21	0.012944	4.35	9.10	14.31	1.01
RIVO	RIVO	62.429*	Max WS	24.38	142.40	144.35	144.11	145.07	0.011650	4.20	9.64	13.81	0.96
RIVO	RIVO	62.381*	Max WS	24.37	142.29	144.30	144.01	144.94	0.010371	4.03	10.22	13.34	0.91
RIVO	RIVO	62.333*	Max WS	24.34	142.18	144.25	143.92	144.83	0.009148	3.86	10.83	12.98	0.86
RIVO	RIVO	62.288	Lat Struct										
RIVO	RIVO	62.287	Lat Struct										
RIVO	RIVO	62.286*	Max WS	24.26	142.07	144.21	143.81	144.75	0.008295	3.76	11.53	14.16	0.82
RIVO	RIVO	62.238*	Max WS	24.16	141.96	144.19	143.70	144.64	0.006881	3.51	12.65	14.59	0.75
RIVO	RIVO	62.190*	Max WS	24.01	141.85	144.19		144.54	0.005221	3.16	13.97	13.33	0.66
RIVO	RIVO	62.143*	Max WS	23.80	141.75	144.21		144.49	0.004092	2.89	14.99	12.06	0.59
RIVO	RIVO	62.095*	Max WS	23.50	141.64	144.21		144.45	0.003366	2.70	15.59	10.79	0.54
RIVO	RIVO	62.048*	Max WS	23.13	141.53	144.22		144.43	0.002917	2.58	15.77	9.53	0.51
RIVO	RIVO	62.03	Lat Struct										
RIVO	RIVO	62.02	Lat Struct										
RIVO	RIVO	62	Max WS	22.60	141.42	144.22		144.42	0.002600	2.50	15.61	8.26	0.48
RIVO	RIVO	61.667*	Max WS	22.02	141.27	144.22		144.41	0.002299	2.43	15.94	7.80	0.45
RIVO	RIVO	61.333*	Max WS	21.38	141.11	144.23		144.41	0.002094	2.39	16.10	7.34	0.44

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO	61	Max WS	20.61	140.94	144.24	143.12	144.40	0.001947	2.36	16.09	6.88	0.42
RIVO	RIVO	60.50	Via dei Colombi	Bridge									
RIVO	RIVO	60	Max WS	20.60	140.99	143.06	143.03	143.81	0.009264	3.90	6.60	6.36	0.87
RIVO	RIVO	59.670		Lat Struct									
RIVO	RIVO	59.668		Lat Struct									
RIVO	RIVO	59.667*	Max WS	20.62	140.87	143.03	142.90	143.73	0.008308	3.78	6.72	5.71	0.83
RIVO	RIVO	59.333*	Max WS	20.65	140.74	143.00	142.65	143.66	0.007510	3.68	6.86	5.05	0.79
RIVO	RIVO	59	Max WS	20.71	140.62	142.97		143.60	0.006861	3.59	7.00	4.40	0.76
RIVO	RIVO	58.833*	Max WS	20.79	140.53	142.95		143.52	0.006011	3.44	7.60	4.54	0.71
RIVO	RIVO	58.667*	Max WS	21.07	140.43	142.94		143.46	0.005229	3.30	8.33	4.68	0.67
RIVO	RIVO	58.500*	Max WS	21.50	140.34	142.94		143.40	0.004555	3.16	9.16	4.82	0.63
RIVO	RIVO	58.335		Lat Struct									
RIVO	RIVO	58.334		Lat Struct									
RIVO	RIVO	58.333*	Max WS	21.51	140.25	142.96		143.35	0.003633	2.92	10.22	4.97	0.57
RIVO	RIVO	58.167*	Max WS	20.60	140.14	143.04		143.32	0.002518	2.54	11.58	5.11	0.48
RIVO	RIVO	58	Max WS	19.02	140.02	143.12	141.94	143.31	0.001625	2.12	13.08	5.25	0.39
RIVO	RIVO	57.50	Passerella Pedon	Bridge									
RIVO	RIVO	57	Max WS	19.02	139.79	141.87	141.99	143.04	0.014740	4.82	4.46	2.53	1.08
RIVO	RIVO	56.805		Lat Struct									
RIVO	RIVO	56.802		Lat Struct									
RIVO	RIVO	56.800*	Max WS	19.60	139.74	141.81	141.95	143.01	0.015139	4.89	4.55	2.60	1.10
RIVO	RIVO	56.600*	Max WS	20.05	139.69	141.74	141.89	142.96	0.015353	4.93	4.59	2.66	1.11
RIVO	RIVO	56.400*	Max WS	20.31	139.64	141.68	141.83	142.89	0.015298	4.92	4.64	2.73	1.11
RIVO	RIVO	56.200*	Max WS	20.47	139.59	141.61	141.75	142.81	0.015113	4.88	4.68	2.79	1.10
RIVO	RIVO	56	Max WS	20.60	139.54	141.55	141.68	142.73	0.014862	4.84	4.72	2.86	1.09
RIVO	RIVO	55.909*	Max WS	20.66	139.44	141.48	141.60	142.65	0.014479	4.83	4.77	2.83	1.08
RIVO	RIVO	55.820		Lat Struct									
RIVO	RIVO	55.819		Lat Struct									
RIVO	RIVO	55.818*	Max WS	20.61	139.33	141.41	141.51	142.56	0.013904	4.79	4.83	2.81	1.06
RIVO	RIVO	55.727*	Max WS	20.54	139.22	141.35	141.42	142.47	0.013292	4.74	4.89	2.80	1.04
RIVO	RIVO	55.636*	Max WS	20.52	139.12	141.28	141.33	142.39	0.012723	4.70	4.96	2.79	1.02
RIVO	RIVO	55.545*	Max WS	20.60	139.01	141.22	141.25	142.32	0.012285	4.69	5.03	2.78	1.01
RIVO	RIVO	55.455*	Max WS	20.75	138.91	141.17	141.18	142.26	0.011898	4.68	5.12	2.79	1.00
RIVO	RIVO	55.364*	Max WS	20.97	138.80	141.11	141.11	142.21	0.011608	4.69	5.21	2.82	0.99
RIVO	RIVO	55.276		Lat Struct									
RIVO	RIVO	55.274		Lat Struct									
RIVO	RIVO	55.273*	Max WS	21.32	138.70	141.05	141.06	142.16	0.011459	4.73	5.30	2.82	0.98
RIVO	RIVO	55.182*	Max WS	21.53	138.59	141.00	140.99	142.11	0.011152	4.73	5.41	2.81	0.98
RIVO	RIVO	55.091*	Max WS	21.05	138.49	140.95	140.87	141.99	0.010152	4.58	5.52	2.79	0.93
RIVO	RIVO	55	Max WS	20.42	138.38	140.90	140.74	141.86	0.009047	4.39	5.65	2.78	0.89
RIVO	RIVO	54.909*	Max WS	19.14	138.31	140.87		141.71	0.007848	4.13	5.63	2.75	0.83
RIVO	RIVO	54.818*	Max WS	19.04	138.25	140.83		141.67	0.007639	4.11	5.62	2.72	0.82
RIVO	RIVO	54.729		Lat Struct									
RIVO	RIVO	54.728		Lat Struct									
RIVO	RIVO	54.727*	Max WS	18.91	138.18	140.80		141.63	0.007412	4.08	5.60	2.68	0.81
RIVO	RIVO	54.636*	Max WS	18.73	138.12	140.77		141.59	0.007135	4.04	5.59	2.65	0.79
RIVO	RIVO	54.545*	Max WS	19.08	138.05	140.73		141.58	0.007455	4.15	5.53	2.62	0.81
RIVO	RIVO	54.455*	Max WS	19.98	137.99	140.68	140.46	141.63	0.008174	4.37	5.49	2.59	0.85
RIVO	RIVO	54.364*	Max WS	20.66	137.92	140.64	140.47	141.67	0.008737	4.54	5.44	2.56	0.88
RIVO	RIVO	54.273*	Max WS	20.29	137.86	140.60	140.40	141.61	0.008426	4.49	5.39	2.52	0.87
RIVO	RIVO	54.184		Lat Struct									
RIVO	RIVO	54.183		Lat Struct									
RIVO	RIVO	54.182*	Max WS	19.47	137.79	140.56		141.50	0.007746	4.33	5.35	2.49	0.83
RIVO	RIVO	54.091*	Max WS	19.26	137.73	140.53		141.45	0.007535	4.30	5.32	2.46	0.82
RIVO	RIVO	54	Max WS	20.02	137.66	140.49	140.26	141.50	0.008129	4.50	5.27	2.43	0.86
RIVO	RIVO	53.900*	Max WS	20.22	137.58	140.48		141.42	0.007268	4.32	5.46	2.45	0.81
RIVO	RIVO	53.800*	Max WS	20.32	137.50	140.48		141.34	0.006435	4.13	5.66	2.47	0.77
RIVO	RIVO	53.700*	Max WS	20.53	137.43	140.48		141.27	0.005732	3.97	5.88	2.50	0.73
RIVO	RIVO	53.600*	Max WS	20.73	137.35	140.49		141.22	0.005075	3.80	6.13	2.52	0.69
RIVO	RIVO	53.500*	Max WS	20.80	137.27	140.51		141.17	0.004402	3.62	6.42	2.54	0.64
RIVO	RIVO	53.400*	Max WS	20.82	137.19	140.54		141.13	0.003760	3.42	6.75	2.56	0.60
RIVO	RIVO	53.300*	Max WS	20.60	137.11	140.59		141.11	0.003101	3.18	7.13	2.58	0.55
RIVO	RIVO	53.200*	Max WS	20.32	137.04	140.65		141.09	0.002550	2.96	7.53	2.61	0.50
RIVO	RIVO	53.100*	Max WS	20.00	136.96	140.70		141.08	0.002099	2.75	7.94	2.63	0.45
RIVO	RIVO	53	Max WS	19.65	136.88	140.75	139.05	141.08	0.001735	2.55	8.35	2.65	0.42
RIVO	RIVO	52.50	Inizio Tratto In	Bridge									
RIVO	RIVO	52	Max WS	19.65	136.37	138.38	138.61	139.70	0.018948	5.10	3.85	3.46	1.19
RIVO	RIVO	51.755		Lat Struct									
RIVO	RIVO	51.751		Lat Struct									
RIVO	RIVO	51.750*	Max WS	19.84	136.26	138.30	138.36	139.18	0.013216	4.33	5.78	4.26	1.00
RIVO	RIVO	51.500*	Max WS	19.91	136.15	138.24	138.31	139.04	0.011772	4.19	6.39	5.46	0.95
RIVO	RIVO	51.250*	Max WS	19.92	136.04	138.18	138.25	138.89	0.010254	4.03	7.37	8.01	0.90
RIVO	RIVO	51	Max WS	19.91	135.93	138.14	138.19	138.56	0.006659	3.34	11.31	17.20	0.73
RIVO	RIVO	50.800*	Max WS	19.91	135.82	138.11	138.18	138.56	0.006363	3.36	10.88	17.26	0.72
RIVO	RIVO	50.600*	Max WS	19.91	135.70	138.08	138.14	138.53	0.005798	3.29	10.66	17.07	0.69
RIVO	RIVO	50.403		Lat Struct									
RIVO	RIVO	50.402		Lat Struct									
RIVO	RIVO	50.400*	Max WS	19.91	135.59	138.06	137.82	138.46	0.004757	3.06	10.97	14.67	0.63
RIVO	RIVO	50.200*	Max WS	19.91	135.47	138.06		138.39	0.003719	2.79	11.86	13.65	0.56
RIVO	RIVO	50	Max WS	19.91	135.36	138.08	137.36	138.34	0.002854	2.52	13.08	13.25	0.49
RIVO	RIVO	49.50	Passerella Pedon	Bridge									
RIVO	RIVO	49	Max WS	21.81	135.23	137.55	137.50	138.31	0.010803	4.39	8.11	7.18	0.93
RIVO	RIVO	48.835		Lat Struct									
RIVO	RIVO	48.834		Lat Struct									
RIVO	RIVO	48.833*	Max WS	19.90	135.16	137.51	137.32	138.08	0.007693	3.76	8.47	7.13	0.79
RIVO	RIVO	48.667*	Max WS	19.90	135.09	137.50		137.99	0.006332	3.49	9.00	7.12	0.73
RIVO	RIVO	48.500*	Max WS	19.90	135.02	137.50		137.93	0.005215	3.24	9.60	7.22	0.66
RIVO	RIVO	48.333*	Max WS	19.90	134.96	137.50		137.89	0.004508	3.07	10.23	8.55	0.62
RIVO	RIVO	48.167*	Max WS	19.89	134.89	137.50		137.85	0.003823	2.89	11.07	10.33	0.58
RIVO	RIVO	48	Max WS	19.89	134.82	137.51		137.81	0.003190	2.69	12.20	12.54	0.53
RIVO	RIVO	47.835		Lat Struct									
RIVO	RIVO	47.834		Lat Struct									
RIVO	RIVO	47.833*	Max WS	19.89	134.82	137.50		137.79	0.003150	2.67	13.38	17.39	0.52
RIVO	RIVO	47.667*	Max WS	19.89	134.81	137.51		137.76	0.002836	2.53	15.40	21.99	0.50
RIVO	RIVO	47.500*	Max WS	19.89	134.81	137.53		137.72	0.002334	2.31	18.07	23.86	0.45
RIVO	RIVO	47.333*	Max WS	19.89	134.81	137.55		137.69	0.001884	2.08	21.06	25.74	0.41
RIVO	RIVO	47.167*	Max WS	19.89	134.80	137.56		137.66	0.001505	1.86	24.30	27.61	0.36
RIVO	RIVO	47	Max WS	19.89	134.80	137.57	136.95	137.64	0.001197	1.66	27.79	29.48	0.32
RIVO	RIVO	46.50	Passerella Pedon	Bridge									
RIVO	RIVO	46	Max WS	17.45	134.50	137.18		137.31	0.001789	2.04	19.10	24.72	0.40
RIVO	RIVO	45.755		Lat Struct									
RIVO	RIVO	45.752		Lat Struct									
RIVO	RIVO	45.750*	Max WS	17.40									

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO	45	Max WS	17.23	133.91	137.13		137.28	0.001287	1.94	16.23	13.07	0.35
RIVO	RIVO	44.966*	Max WS	17.22	133.88	137.14		137.27	0.001198	1.88	17.01	13.67	0.34
RIVO	RIVO	44.931*	Max WS	17.32	133.86	137.14		137.27	0.001133	1.84	17.77	14.27	0.33
RIVO	RIVO	44.897*	Max WS	17.32	133.83	137.15		137.27	0.001064	1.79	18.51	14.87	0.32
RIVO	RIVO	44.862*	Max WS	17.32	133.81	137.15		137.26	0.001002	1.75	19.23	15.47	0.31
RIVO	RIVO	44.828*	Max WS	17.32	133.78	137.15		137.26	0.000948	1.71	19.93	16.08	0.30
RIVO	RIVO	44.793*	Max WS	17.32	133.76	137.16		137.26	0.000899	1.68	20.62	16.68	0.29
RIVO	RIVO	44.759*	Max WS	17.32	133.73	137.16		137.25	0.000855	1.64	21.29	17.28	0.29
RIVO	RIVO	44.724*	Max WS	17.32	133.70	137.16		137.25	0.000816	1.61	21.94	17.88	0.28
RIVO	RIVO	44.690*	Max WS	17.32	133.68	137.16		137.25	0.000780	1.59	22.57	18.48	0.27
RIVO	RIVO	44.655*	Max WS	17.32	133.65	137.16		137.25	0.000747	1.56	23.20	19.08	0.27
RIVO	RIVO	44.623		Lat Struct									
RIVO	RIVO	44.622		Lat Struct									
RIVO	RIVO	44.621*	Max WS	17.32	133.63	137.16		137.24	0.000718	1.54	23.80	19.68	0.26
RIVO	RIVO	44.586*	Max WS	17.32	133.60	137.17		137.24	0.000690	1.52	24.39	20.28	0.26
RIVO	RIVO	44.552*	Max WS	17.32	133.57	137.17		137.24	0.000665	1.50	24.95	20.88	0.25
RIVO	RIVO	44.517*	Max WS	17.31	133.55	137.17		137.24	0.000642	1.48	25.51	21.48	0.25
RIVO	RIVO	44.502		Lat Struct									
RIVO	RIVO	44.483*	Max WS	17.31	133.52	137.17		137.24	0.000620	1.46	26.05	22.09	0.25
RIVO	RIVO	44.448*	Max WS	17.31	133.50	137.17		137.23	0.000600	1.44	26.58	22.69	0.24
RIVO	RIVO	44.414*	Max WS	17.31	133.47	137.17		137.23	0.000581	1.42	27.09	23.29	0.24
RIVO	RIVO	44.379*	Max WS	17.31	133.44	137.17		137.23	0.000563	1.41	27.59	23.89	0.23
RIVO	RIVO	44.345*	Max WS	17.31	133.42	137.17		137.23	0.000547	1.39	28.07	24.49	0.23
RIVO	RIVO	44.310*	Max WS	17.31	133.39	137.17		137.23	0.000532	1.38	28.52	25.09	0.23
RIVO	RIVO	44.276*	Max WS	17.31	133.37	137.17		137.23	0.000516	1.37	28.98	25.69	0.23
RIVO	RIVO	44.241*	Max WS	17.31	133.34	137.17		137.23	0.000502	1.35	29.42	26.29	0.22
RIVO	RIVO	44.207*	Max WS	17.31	133.32	137.17		137.23	0.000489	1.34	29.84	26.89	0.22
RIVO	RIVO	44.172*	Max WS	17.31	133.29	137.17		137.22	0.000476	1.33	30.24	27.50	0.22
RIVO	RIVO	44.138*	Max WS	17.31	133.26	137.17		137.22	0.000464	1.32	30.64	28.10	0.21
RIVO	RIVO	44.103*	Max WS	17.30	133.24	137.17		137.22	0.000453	1.31	31.02	28.70	0.21
RIVO	RIVO	44.069*	Max WS	17.30	133.21	137.17		137.22	0.000441	1.30	31.38	29.30	0.21
RIVO	RIVO	44.034*	Max WS	17.30	133.19	137.17		137.22	0.000431	1.29	31.73	29.90	0.21
RIVO	RIVO	44	Max WS	17.29	133.16	137.17		137.22	0.000420	1.28	32.07	30.50	0.20
RIVO	RIVO	43.6685		Lat Struct									
RIVO	RIVO	43.668		Lat Struct									
RIVO	RIVO	43.667*	Max WS	17.32	133.11	137.18		137.21	0.000300	1.08	35.65	23.44	0.17
RIVO	RIVO	43.334		Lat Struct									
RIVO	RIVO	43.333*	Max WS	17.30	133.06	137.17		137.21	0.000292	1.05	32.57	16.37	0.17
RIVO	RIVO	43	Max WS	16.75	133.01	137.16	134.84	137.21	0.000416	1.23	22.99	9.31	0.20
RIVO	RIVO	42.50	Inizio Tratto In	Bridge									
RIVO	RIVO	42	Max WS	14.94	132.36	136.57		136.83	0.001542	2.56	11.08	3.64	0.40
RIVO	RIVO	41.650*	Max WS	14.94	132.36	136.56		136.83	0.001578	2.59	10.96	3.64	0.40
RIVO	RIVO	41.300	Max WS	14.94	132.36	136.57		136.83	0.001529	2.55	11.08	3.64	0.40
RIVO	RIVO	41.250*	Max WS	82.08	132.36	136.55	138.82	144.76	0.048290	14.27	10.90	3.64	2.23
RIVO	RIVO	41.200	Max WS	81.26	132.36	136.51	138.73	144.49	0.048062	14.14	10.86	3.64	2.22
RIVO	RIVO MEDIO	41	Max WS	66.82	131.99	136.51	137.02	139.61	0.013163	7.83	9.45	2.24	1.18
RIVO	RIVO MEDIO	40.802		Lat Struct									
RIVO	RIVO MEDIO	40.801		Lat Struct									
RIVO	RIVO MEDIO	40.800*	Max WS	60.48	131.95	136.46	136.58	138.86	0.010257	6.89	9.46	2.25	1.04
RIVO	RIVO MEDIO	40.600*	Max WS	55.05	131.90	136.41	136.17	138.29	0.007993	6.08	9.55	2.26	0.92
RIVO	RIVO MEDIO	40.400*	Max WS	50.35	131.86	136.38		137.86	0.006251	5.38	9.72	2.27	0.81
RIVO	RIVO MEDIO	40.200*	Max WS	46.23	131.81	136.36		137.52	0.004903	4.78	9.95	2.28	0.72
RIVO	RIVO MEDIO	40	Max WS	42.21	131.77	136.52	135.14	137.36	0.003309	4.04	10.68	2.29	0.59
RIVO	RIVO MEDIO	39.50	Accesso Privato	Bridge									
RIVO	RIVO MEDIO	39	Max WS	42.17	131.53	133.78	133.83	134.96	0.012732	4.80	9.06	4.42	1.03
RIVO	RIVO MEDIO	38.669		Lat Struct									
RIVO	RIVO MEDIO	38.668		Lat Struct									
RIVO	RIVO MEDIO	38.667*	Max WS	42.99	131.29	133.74	133.79	134.73	0.010194	4.53	11.68	7.91	0.93
RIVO	RIVO MEDIO	38.333*	Max WS	43.61	131.05	133.70	133.63	134.38	0.007079	3.97	16.03	11.41	0.79
RIVO	RIVO MEDIO	38	Max WS	43.91	130.80	133.74		134.10	0.003874	3.14	23.26	14.90	0.59
RIVO	RIVO MEDIO	37.667*	Max WS	43.68	130.68	133.64		134.17	0.005575	3.79	19.11	11.90	0.71
RIVO	RIVO MEDIO	37.333*	Max WS	43.59	130.57	133.53	133.50	134.37	0.008616	4.74	15.20	8.89	0.88
RIVO	RIVO MEDIO	37	Max WS	43.68	130.45	133.47	133.63	134.82	0.013349	6.00	12.01	5.89	1.11
RIVO	RIVO MEDIO	36.964		Lat Struct									
RIVO	RIVO MEDIO	36.963		Lat Struct									
RIVO	RIVO MEDIO	36.962*	Max WS	44.62	130.40	133.41	133.60	134.80	0.013996	6.12	12.06	5.98	1.13
RIVO	RIVO MEDIO	36.923*	Max WS	45.40	130.36	133.33	133.55	134.77	0.014632	6.22	12.09	6.07	1.16
RIVO	RIVO MEDIO	36.885*	Max WS	45.82	130.31	133.26	133.49	134.72	0.015108	6.28	12.10	6.16	1.17
RIVO	RIVO MEDIO	36.846*	Max WS	45.16	130.26	133.19	133.41	134.60	0.014884	6.20	12.11	6.25	1.16
RIVO	RIVO MEDIO	36.808*	Max WS	44.58	130.21	133.11	133.32	134.49	0.014687	6.12	12.12	6.34	1.15
RIVO	RIVO MEDIO	36.769*	Max WS	44.59	130.17	133.04	133.25	134.41	0.014865	6.12	12.14	6.43	1.16
RIVO	RIVO MEDIO	36.733		Lat Struct									
RIVO	RIVO MEDIO	36.732		Lat Struct									
RIVO	RIVO MEDIO	36.731*	Max WS	44.22	130.12	132.96	133.17	134.31	0.014816	6.07	12.15	6.52	1.15
RIVO	RIVO MEDIO	36.692*	Max WS	43.90	130.07	132.89	133.10	134.21	0.014799	6.03	12.15	6.62	1.15
RIVO	RIVO MEDIO	36.654*	Max WS	43.64	130.02	132.82	133.02	134.12	0.014810	5.99	12.16	6.71	1.15
RIVO	RIVO MEDIO	36.615*	Max WS	43.32	129.98	132.74	132.94	134.02	0.014781	5.95	12.17	6.80	1.15
RIVO	RIVO MEDIO	36.577*	Max WS	43.02	129.93	132.67	132.86	133.93	0.014780	5.91	12.17	6.89	1.15
RIVO	RIVO MEDIO	36.538*	Max WS	42.93	129.88	132.59	132.79	133.84	0.014920	5.90	12.17	6.98	1.15
RIVO	RIVO MEDIO	36.502		Lat Struct									
RIVO	RIVO MEDIO	36.501		Lat Struct									
RIVO	RIVO MEDIO	36.500*	Max WS	42.90	129.84	132.52	132.72	133.77	0.015137	5.90	12.16	7.07	1.16
RIVO	RIVO MEDIO	36.462*	Max WS	42.81	129.79	132.44	132.65	133.68	0.015344	5.90	12.14	7.16	1.16
RIVO	RIVO MEDIO	36.423*	Max WS	42.62	129.74	132.37	132.58	133.60	0.015499	5.88	12.12	7.25	1.16
RIVO	RIVO MEDIO	36.385*	Max WS	42.37	129.69	132.29	132.50	133.51	0.015642	5.86	12.08	7.34	1.17
RIVO	RIVO MEDIO	36.346*	Max WS	41.96	129.65	132.21	132.42	133.41	0.015692	5.82	12.04	7.43	1.17
RIVO	RIVO MEDIO	36.308*	Max WS	41.51	129.60	132.13	132.34	133.31	0.015706	5.78	12.00	7.52	1.17
RIVO	RIVO MEDIO	36.271		Lat Struct									
RIVO	RIVO MEDIO	36.270		Lat Struct									
RIVO	RIVO MEDIO	36.269*	Max WS	40.97	129.55	132.05	132.26	133.21	0.015675	5.72	11.95	7.62	1.16
RIVO	RIVO MEDIO	36.231*	Max WS	40.44	129.50	131.97	132.17	133.10	0.015633	5.67	11.91	7.71	1.16
RIVO	RIVO MEDIO	36.192*	Max WS	39.91	129.46	131.90	132.09	133.00	0.015615	5.62	11.86	7.80	1.15
RIVO	RIVO MEDIO	36.154*	Max WS	39.41	129.41	131.82	132.01	132.90	0.015581	5.56	11.81	7.89	1.15
RIVO	RIVO MEDIO	36.115*	Max WS	38.91	129.36	131.74	131.93	132.80	0.015570	5.52	11.76	7.98	1.15
RIVO	RIVO MEDIO	36.077*	Max WS	38.42	129.32	131.66	131.85	132.70	0.015580	5.47	11.71	8.07	1.15
RIVO	RIVO MEDIO	36.040		Lat Struct									
RIVO	RIVO MEDIO	36.039		Lat Struct									
RIVO	RIVO MEDIO	36.038*	Max WS	37.94	129.27	131.58	131.77	132.61	0.015598	5.42	11.66	8.16	1.14
RIVO	RIVO MEDIO	36	Max WS	37.48	129.22	131.51	131.69	132.51	0.015631				

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_MEDIO	35.833*	Max WS	35.32	128.87	131.13	131.29	132.10	0.015420	5.28	11.05	7.83	1.13
RIVO	RIVO_MEDIO	35.800*	Max WS	34.90	128.80	131.05	131.21	132.02	0.015368	5.26	10.95	7.74	1.13
RIVO	RIVO_MEDIO	35.767*	Max WS	34.49	128.73	130.98	131.12	131.94	0.015311	5.24	10.85	7.66	1.13
RIVO	RIVO_MEDIO	35.733*	Max WS	34.08	128.66	130.90	131.04	131.85	0.015248	5.22	10.75	7.57	1.12
RIVO	RIVO_MEDIO	35.700*	Max WS	33.67	128.59	130.83	130.96	131.77	0.015166	5.19	10.65	7.48	1.12
RIVO	RIVO_MEDIO	35.667*	Max WS	33.27	128.52	130.75	130.88	131.69	0.015079	5.17	10.56	7.40	1.11
RIVO	RIVO_MEDIO	35.635	Lat Struct										
RIVO	RIVO_MEDIO	35.634	Lat Struct										
RIVO	RIVO_MEDIO	35.633*	Max WS	32.87	128.45	130.68	130.80	131.61	0.014970	5.14	10.47	7.31	1.11
RIVO	RIVO_MEDIO	35.600*	Max WS	32.47	128.38	130.61	130.72	131.53	0.014857	5.11	10.38	7.23	1.11
RIVO	RIVO_MEDIO	35.567*	Max WS	32.07	128.31	130.53	130.64	131.44	0.014725	5.08	10.30	7.15	1.10
RIVO	RIVO_MEDIO	35.533*	Max WS	31.67	128.24	130.46	130.56	131.36	0.014566	5.05	10.23	7.06	1.09
RIVO	RIVO_MEDIO	35.500*	Max WS	31.28	128.18	130.39	130.48	131.28	0.014392	5.01	10.16	6.98	1.09
RIVO	RIVO_MEDIO	35.467*	Max WS	30.88	128.11	130.32	130.40	131.19	0.014191	4.97	10.09	6.89	1.08
RIVO	RIVO_MEDIO	35.435	Lat Struct										
RIVO	RIVO_MEDIO	35.434	Lat Struct										
RIVO	RIVO_MEDIO	35.433*	Max WS	30.49	128.04	130.25	130.32	131.11	0.013971	4.93	10.03	6.80	1.07
RIVO	RIVO_MEDIO	35.400*	Max WS	30.14	127.97	130.19	130.24	131.03	0.013761	4.89	9.98	6.72	1.06
RIVO	RIVO_MEDIO	35.367*	Max WS	29.81	127.90	130.12	130.15	130.95	0.013523	4.85	9.94	6.63	1.05
RIVO	RIVO_MEDIO	35.333*	Max WS	29.51	127.83	130.06	130.08	130.87	0.013260	4.81	9.92	6.55	1.04
RIVO	RIVO_MEDIO	35.300*	Max WS	29.25	127.76	129.99	130.00	130.80	0.012997	4.77	9.90	6.47	1.03
RIVO	RIVO_MEDIO	35.267*	Max WS	29.10	127.69	129.93	129.93	130.73	0.012838	4.75	9.89	6.38	1.03
RIVO	RIVO_MEDIO	35.235	Lat Struct										
RIVO	RIVO_MEDIO	35.234	Lat Struct										
RIVO	RIVO_MEDIO	35.233*	Max WS	28.67	127.62	129.88	129.85	130.65	0.012287	4.66	9.91	6.30	1.00
RIVO	RIVO_MEDIO	35.200*	Max WS	28.41	127.55	129.83	129.76	130.58	0.011851	4.60	9.95	6.21	0.99
RIVO	RIVO_MEDIO	35.167*	Max WS	28.05	127.48	129.78	129.68	130.50	0.011235	4.51	10.03	6.12	0.96
RIVO	RIVO_MEDIO	35.133*	Max WS	27.69	127.41	129.74		130.43	0.010521	4.40	10.15	6.04	0.93
RIVO	RIVO_MEDIO	35.100*	Max WS	27.20	127.34	129.72		130.36	0.009579	4.25	10.34	5.95	0.89
RIVO	RIVO_MEDIO	35.067*	Max WS	26.72	127.27	129.70		130.29	0.008617	4.09	10.57	5.87	0.85
RIVO	RIVO_MEDIO	35.035	Lat Struct										
RIVO	RIVO_MEDIO	35.034	Lat Struct										
RIVO	RIVO_MEDIO	35.033*	Max WS	26.17	127.20	129.70		130.24	0.007615	3.92	10.86	5.79	0.80
RIVO	RIVO_MEDIO	35	Max WS	25.16	127.13	129.73		130.19	0.006229	3.63	11.32	5.70	0.73
RIVO	RIVO_MEDIO	34.667*	Max WS	24.24	127.03	129.69		130.20	0.006352	3.75	10.63	5.19	0.74
RIVO	RIVO_MEDIO	34.333*	Max WS	23.41	126.93	129.64		130.22	0.006757	3.94	9.81	4.68	0.77
RIVO	RIVO_MEDIO	34	Max WS	22.51	126.83	129.58	129.16	130.25	0.007276	4.15	8.94	4.17	0.80
RIVO	RIVO_MEDIO	33.5	Bridge										
RIVO	RIVO_MEDIO	33	Max WS	22.40	126.79	128.34	129.07	130.75	0.054852	7.82	4.23	4.24	2.01
RIVO	RIVO_MEDIO	32.99	Lat Struct										
RIVO	RIVO_MEDIO	32.952*	Max WS	22.23	126.74	128.29	128.99	130.69	0.054050	7.72	4.31	4.26	1.99
RIVO	RIVO_MEDIO	32.905*	Max WS	22.20	126.70	128.24	128.93	130.57	0.052041	7.55	4.33	4.29	1.95
RIVO	RIVO_MEDIO	32.857*	Max WS	22.20	126.65	128.19	128.86	130.45	0.050014	7.37	4.36	4.31	1.91
RIVO	RIVO_MEDIO	32.810*	Max WS	22.20	126.61	128.14	128.80	130.33	0.047911	7.20	4.40	4.33	1.87
RIVO	RIVO_MEDIO	32.801	Lat Struct										
RIVO	RIVO_MEDIO	32.762*	Max WS	22.21	126.56	128.10	128.74	130.21	0.045793	7.03	4.45	4.36	1.83
RIVO	RIVO_MEDIO	32.714*	Max WS	22.23	126.51	128.05	128.67	130.08	0.043599	6.85	4.50	4.39	1.78
RIVO	RIVO_MEDIO	32.667*	Max WS	22.24	126.47	128.01	128.61	129.96	0.041350	6.67	4.57	4.42	1.73
RIVO	RIVO_MEDIO	32.619*	Max WS	22.25	126.42	127.97	128.54	129.83	0.038973	6.49	4.64	4.45	1.68
RIVO	RIVO_MEDIO	32.571*	Max WS	22.27	126.37	127.93	128.49	129.70	0.036686	6.31	4.73	4.48	1.63
RIVO	RIVO_MEDIO	32.570	Lat Struct										
RIVO	RIVO_MEDIO	32.524*	Max WS	22.29	126.33	127.90	128.43	129.58	0.034380	6.12	4.83	4.51	1.58
RIVO	RIVO_MEDIO	32.476*	Max WS	22.32	126.28	127.87	128.36	129.46	0.032089	5.94	4.93	4.55	1.53
RIVO	RIVO_MEDIO	32.429*	Max WS	22.35	126.24	127.84	128.30	129.34	0.029835	5.75	5.05	4.58	1.48
RIVO	RIVO_MEDIO	32.381*	Max WS	22.34	126.19	127.81	128.24	129.22	0.027566	5.56	5.18	4.62	1.42
RIVO	RIVO_MEDIO	32.333*	Max WS	22.37	126.14	127.78	128.18	129.11	0.025458	5.38	5.32	4.66	1.37
RIVO	RIVO_MEDIO	32.286*	Max WS	22.41	126.10	127.76	128.11	129.01	0.023448	5.20	5.48	4.70	1.31
RIVO	RIVO_MEDIO	32.238*	Max WS	22.43	126.05	127.74	128.05	128.91	0.021522	5.02	5.64	4.73	1.26
RIVO	RIVO_MEDIO	32.190*	Max WS	22.48	126.00	127.72	127.98	128.81	0.019749	4.85	5.81	4.77	1.21
RIVO	RIVO_MEDIO	32.143*	Max WS	22.52	125.96	127.70	127.92	128.72	0.018080	4.69	5.99	4.81	1.16
RIVO	RIVO_MEDIO	32.095*	Max WS	22.55	125.91	127.68	127.84	128.64	0.016487	4.52	6.19	4.85	1.11
RIVO	RIVO_MEDIO	32.048*	Max WS	22.56	125.87	127.67	127.77	128.56	0.015029	4.36	6.38	4.89	1.06
RIVO	RIVO_MEDIO	32	Max WS	22.57	125.82	127.65	127.70	128.48	0.013668	4.20	6.59	4.93	1.02
RIVO	RIVO_MEDIO	31.993*	Max WS	22.59	125.80	127.64	127.68	128.47	0.013585	4.19	6.62	4.95	1.01
RIVO	RIVO_MEDIO	31.986*	Max WS	22.61	125.78	127.63	127.66	128.45	0.013526	4.19	6.64	4.96	1.01
RIVO	RIVO_MEDIO	31.979*	Max WS	22.63	125.77	127.61	127.65	128.44	0.013455	4.19	6.66	4.97	1.01
RIVO	RIVO_MEDIO	31.972*	Max WS	22.65	125.75	127.60	127.63	128.42	0.013376	4.18	6.69	4.99	1.01
RIVO	RIVO_MEDIO	31.965*	Max WS	22.66	125.73	127.59	127.61	128.40	0.013293	4.18	6.71	5.00	1.01
RIVO	RIVO_MEDIO	31.958*	Max WS	22.67	125.71	127.57	127.60	128.39	0.013185	4.17	6.74	5.02	1.00
RIVO	RIVO_MEDIO	31.951*	Max WS	22.67	125.70	127.56	127.58	128.37	0.013099	4.16	6.76	5.03	1.00
RIVO	RIVO_MEDIO	31.944*	Max WS	22.68	125.68	127.55	127.56	128.35	0.012986	4.15	6.79	5.05	0.99
RIVO	RIVO_MEDIO	31.937*	Max WS	22.68	125.66	127.53	127.55	128.34	0.012882	4.14	6.82	5.06	0.99
RIVO	RIVO_MEDIO	31.930*	Max WS	22.72	125.64	127.52	127.53	128.32	0.012820	4.14	6.85	5.08	0.99
RIVO	RIVO_MEDIO	31.925	Lat Struct										
RIVO	RIVO_MEDIO	31.924	Lat Struct										
RIVO	RIVO_MEDIO	31.923*	Max WS	22.74	125.63	127.51	127.51	128.31	0.012740	4.13	6.87	5.10	0.99
RIVO	RIVO_MEDIO	31.916*	Max WS	22.77	125.61	127.50	127.50	128.29	0.012650	4.13	6.90	5.11	0.98
RIVO	RIVO_MEDIO	31.909*	Max WS	22.80	125.59	127.48	127.48	128.27	0.012569	4.12	6.93	5.13	0.98
RIVO	RIVO_MEDIO	31.902*	Max WS	22.83	125.57	127.47	127.47	128.26	0.012499	4.12	6.96	5.14	0.98
RIVO	RIVO_MEDIO	31.895*	Max WS	22.86	125.55	127.46	127.45	128.24	0.012420	4.11	6.99	5.16	0.98
RIVO	RIVO_MEDIO	31.888*	Max WS	22.86	125.54	127.45	127.44	128.23	0.012301	4.10	7.02	5.18	0.97
RIVO	RIVO_MEDIO	31.881*	Max WS	22.90	125.52	127.43	127.42	128.21	0.012217	4.10	7.06	5.20	0.97
RIVO	RIVO_MEDIO	31.874*	Max WS	22.94	125.50	127.42	127.41	128.20	0.012144	4.09	7.09	5.21	0.97
RIVO	RIVO_MEDIO	31.867*	Max WS	22.94	125.48	127.41	127.39	128.18	0.012038	4.09	7.12	5.23	0.96
RIVO	RIVO_MEDIO	31.860*	Max WS	22.94	125.47	127.40	127.38	128.16	0.011922	4.07	7.15	5.25	0.96
RIVO	RIVO_MEDIO	31.853*	Max WS	22.93	125.45	127.39	127.36	128.15	0.011778	4.06	7.19	5.27	0.95
RIVO	RIVO_MEDIO	31.846*	Max WS	22.93	125.43	127.38	127.34	128.13	0.011659	4.05	7.22	5.28	0.95
RIVO	RIVO_MEDIO	31.839*	Max WS	22.93	125.41	127.36	127.32	128.11	0.011533	4.03	7.26	5.30	0.94
RIVO	RIVO_MEDIO	31.832*	Max WS	22.94	125.39	127.35	127.31	128.10	0.011436	4.03	7.29	5.32	0.94
RIVO	RIVO_MEDIO	31.825*	Max WS	22.96	125.38	127.34	127.30	128.08	0.011316	4.01	7.33	5.34	0.94
RIVO	RIVO_MEDIO	31.818*	Max WS	22.98	125.36	127.33	127.28	128.06	0.011213	4.01	7.37	5.36	0.93
RIVO	RIVO_MEDIO	31.811*	Max WS	23.00	125.34	127.32	127.27	128.05	0.011107	4.00	7.40	5.38	0.93
RIVO	RIVO_MEDIO	31.804*	Max WS	23.02	125.32	127.31	127.25	128.03	0.011003	3.99	7.44	5.40	0.93
RIVO	RIVO_MEDIO	31.797*	Max WS	23.04	125.31								

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.715		Lat Struct									
RIVO	RIVO_MEDIO	31.714		Lat Struct									
RIVO	RIVO_MEDIO	31.713*	Max WS	23.98	125.09	127.17	127.08	127.88	0.010131	3.96	8.01	5.68	0.90
RIVO	RIVO_MEDIO	31.706*	Max WS	24.19	125.07	127.16	127.07	127.87	0.010194	3.98	8.06	5.70	0.90
RIVO	RIVO_MEDIO	31.699*	Max WS	24.41	125.06	127.15	127.07	127.87	0.010233	4.00	8.11	5.72	0.90
RIVO	RIVO_MEDIO	31.6919*	Max WS	24.62	125.04	127.14	127.06	127.87	0.010294	4.02	8.15	5.74	0.90
RIVO	RIVO_MEDIO	31.685*	Max WS	24.84	125.02	127.13	127.06	127.86	0.010347	4.04	8.20	5.76	0.91
RIVO	RIVO_MEDIO	31.678*	Max WS	25.05	125.00	127.12	127.04	127.86	0.010396	4.06	8.24	5.79	0.91
RIVO	RIVO_MEDIO	31.671*	Max WS	25.27	124.99	127.11	127.04	127.85	0.010451	4.08	8.29	5.81	0.91
RIVO	RIVO_MEDIO	31.664*	Max WS	25.48	124.97	127.10	127.03	127.85	0.010501	4.10	8.33	5.83	0.92
RIVO	RIVO_MEDIO	31.657*	Max WS	25.70	124.95	127.09	127.02	127.84	0.010561	4.12	8.38	5.85	0.92
RIVO	RIVO_MEDIO	31.650*	Max WS	25.91	124.93	127.08	127.01	127.84	0.010610	4.14	8.43	5.87	0.92
RIVO	RIVO_MEDIO	31.643*	Max WS	26.12	124.91	127.07	127.00	127.84	0.010660	4.16	8.47	5.89	0.92
RIVO	RIVO_MEDIO	31.636*	Max WS	26.34	124.90	127.06	126.99	127.83	0.010723	4.18	8.51	5.92	0.93
RIVO	RIVO_MEDIO	31.629*	Max WS	26.55	124.88	127.05	126.99	127.83	0.010778	4.20	8.56	5.94	0.93
RIVO	RIVO_MEDIO	31.622*	Max WS	26.76	124.86	127.04	126.98	127.82	0.010828	4.22	8.60	5.96	0.93
RIVO	RIVO_MEDIO	31.615*	Max WS	26.97	124.84	127.03	126.97	127.82	0.010889	4.24	8.65	5.98	0.94
RIVO	RIVO_MEDIO	31.608*	Max WS	27.19	124.83	127.02	126.96	127.81	0.010931	4.26	8.69	6.01	0.94
RIVO	RIVO_MEDIO	31.601*	Max WS	27.33	124.81	127.01	126.95	127.81	0.010940	4.27	8.73	6.02	0.94
RIVO	RIVO_MEDIO	31.594*	Max WS	27.45	124.79	126.99	126.94	127.80	0.010925	4.28	8.78	6.05	0.94
RIVO	RIVO_MEDIO	31.587*	Max WS	27.58	124.77	126.98	126.93	127.79	0.010907	4.28	8.82	6.07	0.94
RIVO	RIVO_MEDIO	31.580*	Max WS	27.71	124.75	126.97	126.91	127.78	0.010888	4.29	8.87	6.09	0.94
RIVO	RIVO_MEDIO	31.573*	Max WS	27.84	124.74	126.96	126.90	127.77	0.010882	4.30	8.91	6.12	0.94
RIVO	RIVO_MEDIO	31.566*	Max WS	27.97	124.72	126.95	126.89	127.76	0.010867	4.30	8.96	6.14	0.94
RIVO	RIVO_MEDIO	31.559*	Max WS	28.09	124.70	126.94	126.88	127.75	0.010849	4.31	9.01	6.16	0.94
RIVO	RIVO_MEDIO	31.552*	Max WS	28.22	124.68	126.93	126.87	127.74	0.010842	4.32	9.05	6.19	0.94
RIVO	RIVO_MEDIO	31.545*	Max WS	28.35	124.67	126.92	126.88	127.73	0.010820	4.32	9.10	6.21	0.94
RIVO	RIVO_MEDIO	31.538*	Max WS	28.42	124.65	126.91	126.86	127.72	0.010769	4.32	9.14	6.24	0.94
RIVO	RIVO_MEDIO	31.531*	Max WS	28.44	124.63	126.90	126.85	127.70	0.010675	4.31	9.19	6.27	0.93
RIVO	RIVO_MEDIO	31.524*	Max WS	28.46	124.61	126.89	126.83	127.69	0.010573	4.30	9.23	6.29	0.93
RIVO	RIVO_MEDIO	31.517*	Max WS	28.47	124.59	126.88	126.81	127.67	0.010467	4.29	9.28	6.32	0.92
RIVO	RIVO_MEDIO	31.511		Lat Struct									
RIVO	RIVO_MEDIO	31.510*	Max WS	28.47	124.58	126.87	126.80	127.65	0.010357	4.28	9.33	6.35	0.92
RIVO	RIVO_MEDIO	31.505		Lat Struct									
RIVO	RIVO_MEDIO	31.504*	Max WS	28.47	124.56	126.86	126.78	127.64	0.010242	4.26	9.38	6.38	0.92
RIVO	RIVO_MEDIO	31.497*	Max WS	28.46	124.54	126.85	126.76	127.62	0.010126	4.25	9.43	6.41	0.91
RIVO	RIVO_MEDIO	31.490*	Max WS	28.47	124.52	126.84	126.74	127.60	0.010015	4.23	9.49	6.45	0.91
RIVO	RIVO_MEDIO	31.483*	Max WS	28.40	124.51	126.83	126.72	127.59	0.009856	4.21	9.54	6.48	0.90
RIVO	RIVO_MEDIO	31.476*	Max WS	28.43	124.49	126.82	126.71	127.57	0.009769	4.20	9.59	6.52	0.90
RIVO	RIVO_MEDIO	31.469*	Max WS	28.48	124.47	126.81	126.69	127.56	0.009687	4.19	9.65	6.55	0.89
RIVO	RIVO_MEDIO	31.462*	Max WS	28.52	124.45	126.80	126.68	127.54	0.009599	4.19	9.70	6.60	0.89
RIVO	RIVO_MEDIO	31.455*	Max WS	28.61	124.43	126.79	126.67	127.53	0.009555	4.19	9.76	6.64	0.89
RIVO	RIVO_MEDIO	31.448*	Max WS	28.76	124.42	126.78	126.65	127.53	0.009546	4.19	9.81	6.68	0.89
RIVO	RIVO_MEDIO	31.441*	Max WS	28.91	124.40	126.77	126.64	127.52	0.009543	4.20	9.87	6.71	0.89
RIVO	RIVO_MEDIO	31.434*	Max WS	29.05	124.38	126.76	126.63	127.51	0.009535	4.21	9.92	6.76	0.89
RIVO	RIVO_MEDIO	31.427*	Max WS	29.20	124.36	126.75	126.62	127.50	0.009526	4.22	9.98	6.80	0.89
RIVO	RIVO_MEDIO	31.420*	Max WS	29.35	124.35	126.74	126.61	127.49	0.009530	4.23	10.03	6.83	0.89
RIVO	RIVO_MEDIO	31.413*	Max WS	29.49	124.33	126.73	126.60	127.49	0.009522	4.24	10.08	6.87	0.89
RIVO	RIVO_MEDIO	31.406*	Max WS	29.64	124.31	126.72	126.59	127.48	0.009518	4.24	10.13	6.91	0.89
RIVO	RIVO_MEDIO	31.399*	Max WS	29.79	124.29	126.71	126.57	127.47	0.009510	4.25	10.19	6.96	0.89
RIVO	RIVO_MEDIO	31.392*	Max WS	29.93	124.27	126.70	126.56	127.46	0.009516	4.26	10.24	7.00	0.89
RIVO	RIVO_MEDIO	31.385*	Max WS	30.08	124.26	126.69	126.55	127.45	0.009505	4.27	10.30	7.05	0.89
RIVO	RIVO_MEDIO	31.378*	Max WS	30.23	124.24	126.68	126.54	127.44	0.009509	4.28	10.35	7.09	0.89
RIVO	RIVO_MEDIO	31.371*	Max WS	30.38	124.22	126.67	126.53	127.44	0.009508	4.29	10.41	7.14	0.89
RIVO	RIVO_MEDIO	31.364*	Max WS	30.54	124.20	126.66	126.52	127.43	0.009520	4.30	10.46	7.18	0.89
RIVO	RIVO_MEDIO	31.357*	Max WS	30.72	124.19	126.65	126.50	127.42	0.009544	4.31	10.51	7.21	0.89
RIVO	RIVO_MEDIO	31.350*	Max WS	30.98	124.17	126.63	126.50	127.42	0.009604	4.34	10.56	7.22	0.90
RIVO	RIVO_MEDIO	31.343*	Max WS	31.22	124.15	126.62	126.49	127.41	0.009658	4.36	10.61	7.24	0.90
RIVO	RIVO_MEDIO	31.336*	Max WS	31.45	124.13	126.61	126.48	127.41	0.009719	4.38	10.66	7.26	0.90
RIVO	RIVO_MEDIO	31.329*	Max WS	31.69	124.11	126.60	126.46	127.40	0.009767	4.40	10.71	7.28	0.91
RIVO	RIVO_MEDIO	31.322*	Max WS	31.91	124.10	126.59	126.45	127.40	0.009818	4.42	10.76	7.30	0.91
RIVO	RIVO_MEDIO	31.315*	Max WS	32.09	124.08	126.58	126.44	127.39	0.009830	4.43	10.81	7.31	0.91
RIVO	RIVO_MEDIO	31.308*	Max WS	32.28	124.06	126.57	126.43	127.38	0.009837	4.44	10.87	7.33	0.91
RIVO	RIVO_MEDIO	31.303		Lat Struct									
RIVO	RIVO_MEDIO	31.302		Lat Struct									
RIVO	RIVO_MEDIO	31.301*	Max WS	32.46	124.04	126.56	126.42	127.38	0.009865	4.45	10.92	7.35	0.91
RIVO	RIVO_MEDIO	31.294*	Max WS	32.64	124.03	126.55	126.41	127.37	0.009871	4.47	10.97	7.37	0.91
RIVO	RIVO_MEDIO	31.287*	Max WS	32.83	124.01	126.54	126.39	127.36	0.009888	4.48	11.03	7.38	0.91
RIVO	RIVO_MEDIO	31.280*	Max WS	33.01	123.99	126.53	126.38	127.35	0.009904	4.49	11.08	7.40	0.91
RIVO	RIVO_MEDIO	31.273*	Max WS	33.20	123.97	126.52	126.37	127.35	0.009918	4.50	11.13	7.42	0.92
RIVO	RIVO_MEDIO	31.266*	Max WS	33.40	123.96	126.51	126.36	127.34	0.009951	4.52	11.18	7.44	0.92
RIVO	RIVO_MEDIO	31.259*	Max WS	33.68	123.94	126.49	126.35	127.34	0.010031	4.54	11.23	7.46	0.92
RIVO	RIVO_MEDIO	31.252*	Max WS	33.95	123.92	126.48	126.34	127.33	0.010104	4.57	11.28	7.47	0.93
RIVO	RIVO_MEDIO	31.245*	Max WS	34.22	123.90	126.47	126.33	127.33	0.010180	4.59	11.33	7.49	0.93
RIVO	RIVO_MEDIO	31.238*	Max WS	34.51	123.88	126.46	126.32	127.33	0.010259	4.62	11.38	7.51	0.93
RIVO	RIVO_MEDIO	31.231*	Max WS	34.83	123.87	126.45	126.31	127.33	0.010354	4.65	11.43	7.53	0.94
RIVO	RIVO_MEDIO	31.224*	Max WS	35.17	123.85	126.44	126.30	127.33	0.010465	4.68	11.48	7.54	0.94
RIVO	RIVO_MEDIO	31.217*	Max WS	35.54	123.83	126.43	126.29	127.33	0.010594	4.72	11.53	7.56	0.95
RIVO	RIVO_MEDIO	31.210*	Max WS	35.92	123.81	126.42	126.28	127.33	0.010720	4.76	11.59	7.58	0.96
RIVO	RIVO_MEDIO	31.203*	Max WS	36.30	123.80	126.41	126.27	127.33	0.010842	4.79	11.64	7.60	0.96
RIVO	RIVO_MEDIO	31.196*	Max WS	36.68	123.78	126.40	126.26	127.33	0.010965	4.83	11.70	7.62	0.97
RIVO	RIVO_MEDIO	31.189*	Max WS	37.06	123.76	126.39	126.25	127.33	0.011096	4.87	11.75	7.63	0.97
RIVO	RIVO_MEDIO	31.182*	Max WS	37.51	123.74	126.37	126.24	127.34	0.011284	4.92	11.80	7.65	0.98
RIVO	RIVO_MEDIO	31.175*	Max WS	38.06	123.72	126.36	126.24	127.35	0.011515	4.97	11.85	7.67	0.99
RIVO	RIVO_MEDIO	31.168*	Max WS	38.62	123.71	126.35	126.22	127.36	0.011756	5.03	11.90	7.68	1.00
RIVO	RIVO_MEDIO	31.161*	Max WS	39.14	123.69	126.34	126.19	127.37	0.012003	5.09	11.94	7.70	1.01
RIVO	RIVO_MEDIO	31.154*	Max WS	39.67	123.67	126.33	126.18	127.38	0.012232	5.15	11.99	7.72	1.02
RIVO	RIVO_MEDIO	31.147*	Max WS	40.20	123.65	126.31	126.18	127.39	0.012489	5.21	12.03	7.74	1.04
RIVO	RIVO_MEDIO	31.140*	Max WS	40.73	123.64	126.30	126.18	1					

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_MEDIO	31.028*	Max WS	41.15	123.35	126.10	125.92	127.14	0.011735	5.17	12.76	8.04	1.01
RIVO	RIVO_MEDIO	31.021*	Max WS	41.14	123.33	126.09	125.90	127.12	0.011645	5.16	12.80	8.06	1.01
RIVO	RIVO_MEDIO	31.014*	Max WS	41.09	123.32	126.08	125.89	127.10	0.011530	5.14	12.86	8.08	1.00
RIVO	RIVO_MEDIO	31.007*	Max WS	41.05	123.30	126.07	125.87	127.08	0.011425	5.12	12.91	8.09	1.00
RIVO	RIVO_MEDIO	31	Max WS	41.01	123.28	126.06	125.85	127.06	0.011310	5.11	12.96	8.11	0.99
RIVO	RIVO_VALLE	30.99	Max WS	47.07	123.28	126.06	126.34	127.38	0.014897	5.86	12.96	8.11	1.14
RIVO	RIVO_VALLE	30.983*	Max WS	47.07	123.27	126.04	126.33	127.36	0.014934	5.86	12.95	8.11	1.14
RIVO	RIVO_VALLE	30.977*	Max WS	47.07	123.26	126.03	126.31	127.35	0.014974	5.86	12.94	8.11	1.14
RIVO	RIVO_VALLE	30.970*	Max WS	47.07	123.25	126.01	126.30	127.33	0.015009	5.86	12.93	8.11	1.14
RIVO	RIVO_VALLE	30.963*	Max WS	47.07	123.24	126.00	126.28	127.32	0.015046	5.86	12.92	8.11	1.14
RIVO	RIVO_VALLE	30.959	Lat Struct										
RIVO	RIVO_VALLE	30.958	Lat Struct										
RIVO	RIVO_VALLE	30.956*	Max WS	47.03	123.23	125.98	126.27	127.30	0.015065	5.86	12.91	8.11	1.14
RIVO	RIVO_VALLE	30.950*	Max WS	47.00	123.22	125.97	126.25	127.29	0.015088	5.85	12.90	8.11	1.14
RIVO	RIVO_VALLE	30.943*	Max WS	46.96	123.21	125.95	126.24	127.27	0.015115	5.85	12.88	8.12	1.14
RIVO	RIVO_VALLE	30.936*	Max WS	46.92	123.20	125.94	126.22	127.25	0.015123	5.84	12.87	8.12	1.14
RIVO	RIVO_VALLE	30.929*	Max WS	46.88	123.19	125.92	126.21	127.24	0.015142	5.84	12.86	8.12	1.14
RIVO	RIVO_VALLE	30.923*	Max WS	46.83	123.18	125.91	126.19	127.22	0.015157	5.83	12.85	8.12	1.14
RIVO	RIVO_VALLE	30.916*	Max WS	46.79	123.17	125.89	126.17	127.20	0.015182	5.83	12.83	8.12	1.15
RIVO	RIVO_VALLE	30.909*	Max WS	46.74	123.16	125.88	126.16	127.19	0.015185	5.82	12.82	8.12	1.14
RIVO	RIVO_VALLE	30.902*	Max WS	46.69	123.15	125.86	126.14	127.17	0.015205	5.82	12.81	8.12	1.15
RIVO	RIVO_VALLE	30.896*	Max WS	46.64	123.14	125.85	126.13	127.15	0.015223	5.82	12.79	8.12	1.15
RIVO	RIVO_VALLE	30.889*	Max WS	46.59	123.13	125.83	126.11	127.13	0.015226	5.81	12.79	8.12	1.15
RIVO	RIVO_VALLE	30.882*	Max WS	46.54	123.12	125.82	126.10	127.12	0.015245	5.80	12.77	8.12	1.15
RIVO	RIVO_VALLE	30.876*	Max WS	46.48	123.11	125.80	126.08	127.10	0.015270	5.80	12.76	8.13	1.15
RIVO	RIVO_VALLE	30.869*	Max WS	46.42	123.10	125.79	126.06	127.08	0.015289	5.80	12.74	8.13	1.15
RIVO	RIVO_VALLE	30.862*	Max WS	46.36	123.09	125.77	126.05	127.07	0.015293	5.79	12.73	8.13	1.15
RIVO	RIVO_VALLE	30.855*	Max WS	46.30	123.08	125.76	126.03	127.05	0.015299	5.78	12.72	8.13	1.15
RIVO	RIVO_VALLE	30.849*	Max WS	46.24	123.07	125.74	126.01	127.03	0.015313	5.78	12.70	8.13	1.15
RIVO	RIVO_VALLE	30.842*	Max WS	46.17	123.06	125.73	126.00	127.01	0.015320	5.77	12.69	8.13	1.15
RIVO	RIVO_VALLE	30.835*	Max WS	46.10	123.05	125.71	125.98	126.99	0.015321	5.76	12.67	8.13	1.15
RIVO	RIVO_VALLE	30.828*	Max WS	46.03	123.04	125.70	125.97	126.98	0.015338	5.76	12.66	8.13	1.15
RIVO	RIVO_VALLE	30.822*	Max WS	45.96	123.03	125.68	125.95	126.96	0.015337	5.75	12.65	8.13	1.15
RIVO	RIVO_VALLE	30.815*	Max WS	45.89	123.02	125.67	125.93	126.94	0.015339	5.74	12.63	8.13	1.15
RIVO	RIVO_VALLE	30.808*	Max WS	45.81	123.01	125.65	125.92	126.92	0.015342	5.73	12.62	8.13	1.14
RIVO	RIVO_VALLE	30.801*	Max WS	45.73	123.00	125.63	125.90	126.90	0.015348	5.72	12.60	8.14	1.14
RIVO	RIVO_VALLE	30.795*	Max WS	45.65	122.99	125.62	125.88	126.88	0.015354	5.72	12.59	8.14	1.14
RIVO	RIVO_VALLE	30.788*	Max WS	45.57	122.98	125.60	125.87	126.87	0.015357	5.71	12.57	8.14	1.14
RIVO	RIVO_VALLE	30.781*	Max WS	45.48	122.97	125.59	125.85	126.85	0.015356	5.70	12.56	8.14	1.14
RIVO	RIVO_VALLE	30.774*	Max WS	45.40	122.96	125.57	125.83	126.83	0.015354	5.69	12.54	8.14	1.14
RIVO	RIVO_VALLE	30.768*	Max WS	45.31	122.95	125.56	125.82	126.81	0.015342	5.68	12.53	8.14	1.14
RIVO	RIVO_VALLE	30.761	Lat Struct										
RIVO	RIVO_VALLE	30.7609*	Max WS	45.27	122.94	125.54	125.80	126.79	0.015377	5.68	12.51	8.14	1.14
RIVO	RIVO_VALLE	30.760	Lat Struct										
RIVO	RIVO_VALLE	30.754*	Max WS	45.18	122.93	125.53	125.78	126.77	0.015375	5.67	12.50	8.14	1.14
RIVO	RIVO_VALLE	30.748*	Max WS	45.09	122.92	125.51	125.77	126.75	0.015365	5.66	12.49	8.14	1.14
RIVO	RIVO_VALLE	30.741*	Max WS	45.00	122.91	125.50	125.75	126.74	0.015365	5.65	12.47	8.14	1.14
RIVO	RIVO_VALLE	30.734*	Max WS	44.91	122.90	125.48	125.74	126.72	0.015361	5.64	12.46	8.14	1.14
RIVO	RIVO_VALLE	30.727*	Max WS	44.82	122.89	125.47	125.72	126.70	0.015363	5.63	12.44	8.14	1.14
RIVO	RIVO_VALLE	30.721*	Max WS	44.74	122.88	125.45	125.70	126.68	0.015368	5.63	12.42	8.14	1.14
RIVO	RIVO_VALLE	30.714*	Max WS	44.65	122.87	125.44	125.68	126.66	0.015355	5.62	12.41	8.15	1.14
RIVO	RIVO_VALLE	30.707*	Max WS	44.56	122.86	125.42	125.67	126.64	0.015351	5.61	12.40	8.15	1.14
RIVO	RIVO_VALLE	30.700*	Max WS	44.47	122.85	125.41	125.65	126.62	0.015351	5.60	12.38	8.15	1.14
RIVO	RIVO_VALLE	30.694*	Max WS	44.38	122.84	125.39	125.64	126.60	0.015364	5.59	12.36	8.15	1.14
RIVO	RIVO_VALLE	30.687*	Max WS	44.29	122.83	125.37	125.62	126.59	0.015356	5.58	12.35	8.15	1.14
RIVO	RIVO_VALLE	30.680*	Max WS	44.20	122.82	125.36	125.60	126.57	0.015353	5.57	12.33	8.15	1.14
RIVO	RIVO_VALLE	30.673*	Max WS	44.11	122.81	125.34	125.59	126.55	0.015352	5.56	12.32	8.15	1.14
RIVO	RIVO_VALLE	30.667*	Max WS	44.03	122.80	125.33	125.57	126.53	0.015343	5.55	12.31	8.15	1.14
RIVO	RIVO_VALLE	30.660*	Max WS	43.94	122.79	125.31	125.55	126.51	0.015338	5.54	12.29	8.15	1.14
RIVO	RIVO_VALLE	30.653*	Max WS	43.85	122.78	125.30	125.53	126.49	0.015333	5.54	12.28	8.15	1.13
RIVO	RIVO_VALLE	30.647*	Max WS	43.76	122.77	125.28	125.52	126.47	0.015353	5.53	12.26	8.15	1.14
RIVO	RIVO_VALLE	30.640*	Max WS	43.67	122.76	125.27	125.50	126.45	0.015349	5.52	12.24	8.16	1.13
RIVO	RIVO_VALLE	30.633*	Max WS	43.58	122.75	125.25	125.49	126.43	0.015341	5.51	12.23	8.16	1.13
RIVO	RIVO_VALLE	30.626*	Max WS	43.49	122.74	125.24	125.47	126.42	0.015342	5.50	12.21	8.16	1.13
RIVO	RIVO_VALLE	30.620*	Max WS	43.40	122.73	125.22	125.45	126.40	0.015339	5.49	12.20	8.16	1.13
RIVO	RIVO_VALLE	30.613*	Max WS	43.31	122.72	125.21	125.43	126.38	0.015332	5.48	12.18	8.16	1.13
RIVO	RIVO_VALLE	30.606*	Max WS	43.22	122.71	125.19	125.42	126.36	0.015335	5.48	12.17	8.16	1.13
RIVO	RIVO_VALLE	30.599*	Max WS	43.13	122.70	125.18	125.40	126.34	0.015331	5.47	12.15	8.16	1.13
RIVO	RIVO_VALLE	30.593*	Max WS	43.04	122.69	125.16	125.38	126.32	0.015329	5.46	12.14	8.16	1.13
RIVO	RIVO_VALLE	30.586*	Max WS	42.96	122.68	125.15	125.37	126.30	0.015340	5.45	12.12	8.16	1.13
RIVO	RIVO_VALLE	30.579*	Max WS	42.87	122.67	125.13	125.35	126.28	0.015335	5.44	12.11	8.16	1.13
RIVO	RIVO_VALLE	30.572*	Max WS	42.78	122.66	125.11	125.34	126.27	0.015337	5.43	12.09	8.16	1.13
RIVO	RIVO_VALLE	30.566*	Max WS	42.69	122.65	125.10	125.32	126.25	0.015337	5.42	12.07	8.17	1.13
RIVO	RIVO_VALLE	30.563	Lat Struct										
RIVO	RIVO_VALLE	30.562	Lat Struct										
RIVO	RIVO_VALLE	30.559*	Max WS	42.56	122.64	125.08	125.30	126.23	0.015318	5.41	12.06	8.17	1.13
RIVO	RIVO_VALLE	30.552*	Max WS	42.47	122.63	125.07	125.29	126.21	0.015314	5.40	12.04	8.17	1.13
RIVO	RIVO_VALLE	30.546*	Max WS	42.38	122.62	125.05	125.27	126.19	0.015314	5.40	12.03	8.17	1.13
RIVO	RIVO_VALLE	30.539*	Max WS	42.29	122.60	125.04	125.25	126.17	0.015301	5.38	12.02	8.17	1.13
RIVO	RIVO_VALLE	30.532*	Max WS	42.20	122.60	125.02	125.24	126.15	0.015302	5.38	12.00	8.17	1.13
RIVO	RIVO_VALLE	30.525*	Max WS	42.11	122.59	125.01	125.22	126.13	0.015304	5.37	11.98	8.17	1.12
RIVO	RIVO_VALLE	30.519*	Max WS	42.02	122.58	124.99	125.20	126.11	0.015297	5.36	11.97	8.17	1.12
RIVO	RIVO_VALLE	30.512*	Max WS	41.93	122.57	124.98	125.18	126.10	0.015304	5.35	11.95	8.17	1.12
RIVO	RIVO_VALLE	30.505*	Max WS	41.84	122.55	124.96	125.17	126.08	0.015302	5.34	11.94	8.17	1.12
RIVO	RIVO_VALLE	30.498*	Max WS	41.75	122.55	124.95	125.15	126.06	0.015310	5.33	11.92	8.18	1.12
RIVO	RIVO_VALLE	30.492*	Max WS	41.66	122.54	124.93	125.13	126.04	0.015306	5.33	11.91	8.18	1.12
RIVO	RIVO_VALLE	30.485*	Max WS	41.57	122.53	124.92	125.12	126.02	0.015303	5.32	11.89	8.18	1.12
RIVO	RIVO_VALLE	30.478*	Max WS	41.48	122.52	124.90	125.10	126.00	0.015308	5.31	11.87	8.18	1.12
RIVO	RIVO_VALLE	30.471*	Max WS	41.40	122.50	124.89	125.09	125.99	0.015315	5.30	11.86	8.18	1

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_VALLE	30.364		Lat Struct									
RIVO	RIVO_VALLE	30.3639*	Max WS	40.66	122.34	124.64	124.84	125.73	0.015966	5.27	11.58	8.19	1.14
RIVO	RIVO_VALLE	30.357*	Max WS	40.59	122.33	124.62	124.83	125.71	0.016006	5.26	11.56	8.19	1.14
RIVO	RIVO_VALLE	30.350*	Max WS	40.52	122.32	124.61	124.81	125.69	0.016042	5.26	11.53	8.19	1.14
RIVO	RIVO_VALLE	30.343*	Max WS	40.45	122.31	124.59	124.80	125.68	0.016081	5.26	11.51	8.19	1.14
RIVO	RIVO_VALLE	30.337*	Max WS	40.37	122.30	124.58	124.78	125.66	0.016133	5.25	11.49	8.20	1.14
RIVO	RIVO_VALLE	30.330*	Max WS	40.28	122.29	124.56	124.76	125.64	0.016172	5.25	11.46	8.20	1.14
RIVO	RIVO_VALLE	30.323*	Max WS	40.20	122.28	124.54	124.75	125.62	0.016206	5.25	11.44	8.20	1.14
RIVO	RIVO_VALLE	30.317*	Max WS	40.12	122.27	124.53	124.73	125.61	0.016234	5.24	11.42	8.20	1.14
RIVO	RIVO_VALLE	30.310*	Max WS	40.03	122.26	124.51	124.72	125.59	0.016272	5.24	11.39	8.20	1.14
RIVO	RIVO_VALLE	30.303*	Max WS	39.95	122.25	124.49	124.70	125.57	0.016308	5.23	11.37	8.20	1.14
RIVO	RIVO_VALLE	30.296*	Max WS	39.87	122.24	124.48	124.68	125.55	0.016368	5.23	11.34	8.20	1.15
RIVO	RIVO_VALLE	30.290*	Max WS	39.79	122.23	124.46	124.66	125.54	0.016414	5.23	11.32	8.20	1.15
RIVO	RIVO_VALLE	30.283*	Max WS	39.71	122.22	124.45	124.65	125.52	0.016466	5.22	11.29	8.20	1.15
RIVO	RIVO_VALLE	30.276*	Max WS	39.63	122.21	124.43	124.63	125.50	0.016520	5.22	11.26	8.20	1.15
RIVO	RIVO_VALLE	30.269*	Max WS	39.55	122.20	124.41	124.62	125.49	0.016577	5.22	11.24	8.20	1.15
RIVO	RIVO_VALLE	30.263*	Max WS	39.47	122.19	124.40	124.60	125.47	0.016640	5.22	11.21	8.21	1.15
RIVO	RIVO_VALLE	30.256*	Max WS	39.40	122.18	124.38	124.58	125.45	0.016702	5.22	11.18	8.21	1.15
RIVO	RIVO_VALLE	30.249*	Max WS	39.32	122.17	124.36	124.57	125.43	0.016770	5.21	11.15	8.21	1.15
RIVO	RIVO_VALLE	30.242*	Max WS	39.25	122.16	124.35	124.55	125.42	0.016835	5.21	11.13	8.21	1.16
RIVO	RIVO_VALLE	30.236*	Max WS	39.18	122.15	124.33	124.54	125.40	0.016920	5.21	11.09	8.21	1.16
RIVO	RIVO_VALLE	30.229*	Max WS	39.11	122.14	124.31	124.53	125.39	0.016991	5.21	11.06	8.21	1.16
RIVO	RIVO_VALLE	30.222*	Max WS	39.04	122.13	124.30	124.51	125.37	0.017081	5.21	11.03	8.21	1.16
RIVO	RIVO_VALLE	30.216*	Max WS	38.98	122.12	124.28	124.49	125.35	0.017176	5.22	11.00	8.21	1.17
RIVO	RIVO_VALLE	30.209*	Max WS	38.92	122.11	124.26	124.47	125.34	0.017275	5.22	10.97	8.21	1.17
RIVO	RIVO_VALLE	30.202*	Max WS	38.86	122.10	124.24	124.46	125.32	0.017393	5.22	10.93	8.21	1.17
RIVO	RIVO_VALLE	30.195*	Max WS	38.81	122.09	124.23	124.44	125.31	0.017507	5.23	10.90	8.21	1.17
RIVO	RIVO_VALLE	30.189*	Max WS	38.75	122.08	124.21	124.43	125.29	0.017629	5.23	10.86	8.21	1.18
RIVO	RIVO_VALLE	30.182*	Max WS	38.68	122.07	124.19	124.42	125.28	0.017758	5.24	10.83	8.22	1.18
RIVO	RIVO_VALLE	30.175*	Max WS	38.61	122.06	124.17	124.40	125.26	0.017869	5.24	10.79	8.22	1.18
RIVO	RIVO_VALLE	30.168*	Max WS	38.57	122.05	124.16	124.38	125.25	0.018026	5.25	10.75	8.22	1.19
RIVO	RIVO_VALLE	30.167		Lat Struct									
RIVO	RIVO_VALLE	30.166		Lat Struct									
RIVO	RIVO_VALLE	30.162*	Max WS	38.49	122.04	124.14	124.37	125.23	0.018149	5.25	10.71	8.22	1.19
RIVO	RIVO_VALLE	30.155*	Max WS	38.42	122.03	124.12	124.35	125.22	0.018286	5.26	10.67	8.22	1.20
RIVO	RIVO_VALLE	30.148*	Max WS	38.34	122.02	124.10	124.34	125.20	0.018425	5.26	10.63	8.22	1.20
RIVO	RIVO_VALLE	30.141*	Max WS	38.27	122.01	124.08	124.32	125.18	0.018571	5.27	10.58	8.22	1.20
RIVO	RIVO_VALLE	30.135*	Max WS	38.19	122.00	124.06	124.30	125.17	0.018728	5.27	10.54	8.22	1.21
RIVO	RIVO_VALLE	30.128*	Max WS	38.12	121.99	124.05	124.29	125.16	0.018895	5.28	10.49	8.22	1.21
RIVO	RIVO_VALLE	30.121*	Max WS	38.05	121.98	124.03	124.27	125.14	0.019077	5.29	10.45	8.22	1.22
RIVO	RIVO_VALLE	30.114*	Max WS	37.98	121.97	124.01	124.26	125.13	0.019268	5.30	10.40	8.23	1.22
RIVO	RIVO_VALLE	30.108*	Max WS	37.91	121.96	123.99	124.24	125.11	0.019484	5.31	10.34	8.23	1.23
RIVO	RIVO_VALLE	30.101*	Max WS	37.85	121.95	123.97	124.23	125.10	0.019704	5.32	10.29	8.23	1.23
RIVO	RIVO_VALLE	30.094*	Max WS	37.78	121.94	123.95	124.21	125.08	0.019948	5.34	10.24	8.23	1.24
RIVO	RIVO_VALLE	30.088*	Max WS	37.72	121.93	123.93	124.20	125.07	0.020192	5.35	10.18	8.23	1.25
RIVO	RIVO_VALLE	30.081*	Max WS	37.66	121.92	123.91	124.18	125.06	0.020461	5.37	10.12	8.23	1.25
RIVO	RIVO_VALLE	30.074*	Max WS	37.60	121.91	123.89	124.17	125.05	0.020736	5.38	10.06	8.23	1.26
RIVO	RIVO_VALLE	30.067*	Max WS	37.54	121.90	123.87	124.15	125.04	0.021069	5.40	10.00	8.23	1.27
RIVO	RIVO_VALLE	30.061*	Max WS	37.49	121.89	123.85	124.14	125.02	0.021396	5.42	9.93	8.23	1.28
RIVO	RIVO_VALLE	30.054*	Max WS	37.44	121.88	123.83	124.12	125.01	0.021772	5.45	9.86	8.23	1.29
RIVO	RIVO_VALLE	30.047*	Max WS	37.39	121.87	123.80	124.11	125.00	0.022076	5.46	9.79	8.13	1.29
RIVO	RIVO_VALLE	30.040*	Max WS	37.35	121.86	123.78	124.09	124.98	0.022388	5.48	9.72	7.98	1.30
RIVO	RIVO_VALLE	30.034*	Max WS	37.30	121.85	123.76	124.08	124.97	0.022719	5.49	9.64	7.82	1.31
RIVO	RIVO_VALLE	30.027*	Max WS	37.25	121.84	123.74	124.06	124.95	0.023012	5.50	9.57	7.64	1.32
RIVO	RIVO_VALLE	30.020*	Max WS	37.21	121.83	123.71	124.04	124.93	0.023409	5.52	9.49	7.54	1.33
RIVO	RIVO_VALLE	30.013*	Max WS	37.16	121.82	123.69	124.03	124.92	0.023954	5.55	9.41	7.52	1.34
RIVO	RIVO_VALLE	30.007*	Max WS	37.12	121.81	123.67	124.02	124.92	0.024600	5.60	9.32	7.51	1.36
RIVO	RIVO_VALLE	30	Max WS	37.08	121.80	123.64	123.83	124.52	0.027958	4.66	9.77	8.02	1.24
RIVO	RIVO_VALLE	29.669		Lat Struct									
RIVO	RIVO_VALLE	29.668		Lat Struct									
RIVO	RIVO_VALLE	29.667*	Max WS	37.65	121.78	123.50	123.89	124.90	0.029707	5.99	9.07	7.95	1.49
RIVO	RIVO_VALLE	29.333*	Max WS	38.21	121.73	123.33	123.85	125.12	0.040618	6.76	8.19	7.79	1.79
RIVO	RIVO_VALLE	29	Max WS	38.86	121.66	122.96	123.93	126.92	0.108270	9.65	5.36	5.71	2.73
RIVO	RIVO_VALLE	28.919		Lat Struct									
RIVO	RIVO_VALLE	28.918		Lat Struct									
RIVO	RIVO_VALLE	28.917*	Max WS	38.87	121.49	122.87	123.79	126.66	0.094833	9.35	5.58	6.30	2.58
RIVO	RIVO_VALLE	28.833*	Max WS	38.82	121.32	122.78	123.66	126.23	0.078468	8.84	5.94	6.73	2.37
RIVO	RIVO_VALLE	28.750*	Max WS	38.82	121.16	122.69	123.52	128.42	0.108311	10.75	3.87	6.89	2.81
RIVO	RIVO_VALLE	28.667*	Max WS	38.82	120.99	122.60	123.38	127.63	0.088665	10.02	4.09	6.90	2.56
RIVO	RIVO_VALLE	28.583*	Max WS	38.82	120.82	122.52	123.25	126.81	0.069608	9.21	4.39	6.82	2.29
RIVO	RIVO_VALLE	28.500*	Max WS	38.81	120.65	122.46	123.10	126.03	0.053152	8.39	4.76	6.64	2.02
RIVO	RIVO_VALLE	28.417*	Max WS	38.81	120.48	122.42	122.97	125.36	0.040010	7.60	5.18	6.46	1.77
RIVO	RIVO_VALLE	28.333*	Max WS	38.80	120.31	122.38	122.82	124.84	0.030463	6.94	5.59	6.27	1.56
RIVO	RIVO_VALLE	28.250*	Max WS	38.80	120.14	122.35	122.76	124.48	0.024090	6.46	6.01	6.09	1.40
RIVO	RIVO_VALLE	28.167*	Max WS	38.77	119.98	122.33	122.76	124.19	0.019268	6.04	6.44	5.91	1.27
RIVO	RIVO_VALLE	28.083*	Max WS	38.71	119.81	122.32	122.57	123.96	0.015777	5.70	6.89	5.72	1.16
RIVO	RIVO_VALLE	28	Max WS	38.60	119.64	122.30	122.41	123.77	0.013008	5.39	7.34	5.54	1.07
RIVO	RIVO_VALLE	27.752		Lat Struct									
RIVO	RIVO_VALLE	27.751		Lat Struct									
RIVO	RIVO_VALLE	27.750*	Max WS	37.73	119.62	122.25	122.20	123.32	0.010032	4.73	10.09	5.16	0.94
RIVO	RIVO_VALLE	27.500*	Max WS	37.26	119.58	122.21	122.18	123.34	0.010767	4.91	9.87	4.77	0.97
RIVO	RIVO_VALLE	27.250*	Max WS	36.88	119.51	122.16	122.17	123.39	0.011818	5.16	9.55	4.39	1.02
RIVO	RIVO_VALLE	27	Max WS	37.20	119.44	122.11	122.19	123.52	0.013838	5.57	9.12	4.01	1.10
RIVO	RIVO_VALLE	26.933*	Max WS	37.17	119.34	122.05	122.09	123.26	0.012159	5.29	10.25	4.98	1.03
RIVO	RIVO_VALLE	26.867*	Max WS	37.73	119.24	121.99	122.01	123.07	0.010996	5.10	11.41	5.95	0.99
RIVO	RIVO_VALLE	26.802		Lat Struct									
RIVO	RIVO_VALLE	26.801		Lat Struct									
RIVO	RIVO_VALLE	26.800*	Max WS	38.17	119.13	121.96	121.93	122.89	0.009651	4.86	12.73	6.92	0.93
RIVO	RIVO_VALLE	26.733*	Max WS	38.67	119.03	121.95		122.74	0.008217	4.59	14.30	7.89	0.86
RIVO	RIVO_VALLE	26.667*	Max WS	38.83	118.93	121.96		122.60	0.006666	4.25	16.18	8.86	0.78
RIVO	RIVO_VALLE	26.600*	Max WS	39.11	118.82	121.98		122.50	0.005399	3.94	18.29	9.83	0.71
RIVO	RIVO_VALLE	26.533*	Max WS	39.01	118.72	122.02		122.43	0.00				

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_VALLE	25.333*	Max WS	28.63	117.97	122.15		122.29	0.001104	2.15	26.93	10.61	0.34
RIVO	RIVO_VALLE	25	Max WS	28.03	118.03	122.10	120.53	122.31	0.001542	2.49	20.39	6.63	0.40
RIVO	RIVO_VALLE	24.50 Accesso Privato	Bridge										
RIVO	RIVO_VALLE	24	Max WS	28.03	118.15	120.96		121.02	0.000862	1.45	36.71	24.83	0.28
RIVO	RIVO_VALLE	23.6		Lat Struct									
RIVO	RIVO_VALLE	23.5		Lat Struct									
RIVO	RIVO_VALLE	23	Max WS	29.42	118.15	120.95	119.92	121.01	0.000977	1.52	39.71	31.57	0.29
RIVO	RIVO_VALLE	22.50 Autostrada	Bridge										
RIVO	RIVO_VALLE	22	Max WS	29.42	115.98	119.84		119.98	0.000922	1.70	19.76	21.95	0.29
RIVO	RIVO_VALLE	21.753		Lat Struct									
RIVO	RIVO_VALLE	21.751		Lat Struct									
RIVO	RIVO_VALLE	21.750*	Max WS	29.12	116.13	119.86		119.98	0.000954	1.72	27.16	18.84	0.30
RIVO	RIVO_VALLE	21.500*	Max WS	28.81	116.27	119.82		120.00	0.001446	2.09	21.78	14.26	0.36
RIVO	RIVO_VALLE	21.250*	Max WS	28.52	116.42	119.79		120.01	0.001987	2.42	18.85	9.46	0.43
RIVO	RIVO_VALLE	21	Max WS	28.30	116.52	119.74		120.03	0.002999	2.92	16.43	7.89	0.53
RIVO	RIVO_VALLE	20.875*	Max WS	28.16	116.52	119.72		120.02	0.003221	3.02	16.17	8.00	0.54
RIVO	RIVO_VALLE	20.750*	Max WS	28.00	116.51	119.70		120.02	0.003436	3.12	15.96	8.11	0.56
RIVO	RIVO_VALLE	20.627		Lat Struct									
RIVO	RIVO_VALLE	20.626		Lat Struct									
RIVO	RIVO_VALLE	20.625*	Max WS	27.72	116.50	119.68		120.01	0.003602	3.19	15.82	8.23	0.58
RIVO	RIVO_VALLE	20.500*	Max WS	27.40	116.50	119.67		120.00	0.003737	3.25	15.76	8.35	0.59
RIVO	RIVO_VALLE	20.375*	Max WS	26.89	116.49	119.67		119.99	0.003766	3.28	15.80	8.48	0.59
RIVO	RIVO_VALLE	20.250*	Max WS	26.38	116.49	119.67		119.97	0.003766	3.29	15.91	8.62	0.59
RIVO	RIVO_VALLE	20.125*	Max WS	25.89	116.49	119.66		119.95	0.003746	3.29	16.07	8.75	0.59
RIVO	RIVO_VALLE	20	Max WS	25.43	116.48	119.66		119.94	0.003712	3.29	16.28	8.89	0.59
RIVO	RIVO_VALLE	19.803		Lat Struct									
RIVO	RIVO_VALLE	19.801		Lat Struct									
RIVO	RIVO_VALLE	19.800*	Max WS	25.00	116.42	119.65		119.92	0.003397	3.17	16.26	8.93	0.56
RIVO	RIVO_VALLE	19.605		Lat Struct									
RIVO	RIVO_VALLE	19.600*	Max WS	24.65	116.37	119.64		119.91	0.003117	3.06	16.27	9.06	0.54
RIVO	RIVO_VALLE	19.400*	Max WS	24.35	116.31	119.63		119.90	0.002840	2.95	16.34	9.18	0.52
RIVO	RIVO_VALLE	19.205		Lat Struct									
RIVO	RIVO_VALLE	19.200*	Max WS	23.94	116.26	119.63		119.88	0.002524	2.80	16.51	9.30	0.49
RIVO	RIVO_VALLE	19	Max WS	23.44	116.20	119.63		119.87	0.002206	2.65	16.75	9.43	0.46
RIVO	RIVO_VALLE	18.500*	Max WS	23.15	116.09	119.64		119.84	0.001594	2.30	17.06	8.44	0.39
RIVO	RIVO_VALLE	18.3		Lat Struct									
RIVO	RIVO_VALLE	18.2		Lat Struct									
RIVO	RIVO_VALLE	18	Max WS	22.71	115.98	119.64		119.83	0.001232	2.06	16.22	6.48	0.35
RIVO	RIVO_VALLE	17.750*	Max WS	22.66	115.98	119.64		119.83	0.001226	2.06	16.22	6.48	0.35
RIVO	RIVO_VALLE	17.500*	Max WS	22.60	115.98	119.64		119.83	0.001218	2.05	16.22	6.47	0.34
RIVO	RIVO_VALLE	17.250*	Max WS	22.54	115.98	119.64		119.83	0.001210	2.05	16.23	6.47	0.34
RIVO	RIVO_VALLE	17	Max WS	22.46	115.98	119.64	118.03	119.83	0.001200	2.04	16.24	6.47	0.34
RIVO	RIVO_VALLE	16.50 Ferrovia	Bridge										
RIVO	RIVO_VALLE	16	Max WS	22.46	115.83	118.92		119.26	0.003061	2.92	12.68	6.54	0.53
RIVO	RIVO_VALLE	15.803		Lat Struct									
RIVO	RIVO_VALLE	15.801		Lat Struct									
RIVO	RIVO_VALLE	15.800*	Max WS	22.37	115.75	118.97		119.22	0.002345	2.62	15.42	9.16	0.47
RIVO	RIVO_VALLE	15.600*	Max WS	21.90	115.67	118.98		119.20	0.002001	2.47	17.10	11.79	0.44
RIVO	RIVO_VALLE	15.400*	Max WS	21.43	115.58	118.98		119.20	0.001905	2.45	17.61	14.41	0.43
RIVO	RIVO_VALLE	15.200*	Max WS	20.56	115.50	118.97		119.20	0.001869	2.46	17.04	17.04	0.42
RIVO	RIVO_VALLE	15	Max WS	19.76	115.42	118.96		119.21	0.001922	2.52	15.30	19.66	0.43
RIVO	RIVO_VALLE	14.99		Lat Struct									
RIVO	RIVO_VALLE	14.98		Lat Struct									
RIVO	RIVO_VALLE	14.933*	Max WS	19.60	115.41	118.98		119.18	0.001557	2.29	17.66	18.85	0.39
RIVO	RIVO_VALLE	14.867*	Max WS	19.43	115.40	119.01		119.16	0.001279	2.09	19.62	18.05	0.35
RIVO	RIVO_VALLE	14.800*	Max WS	19.25	115.39	119.02		119.15	0.001074	1.93	21.22	17.24	0.32
RIVO	RIVO_VALLE	14.733*	Max WS	19.06	115.38	119.03		119.14	0.000919	1.79	22.49	16.44	0.30
RIVO	RIVO_VALLE	14.667*	Max WS	18.86	115.36	119.04		119.13	0.000802	1.68	23.46	15.63	0.28
RIVO	RIVO_VALLE	14.600*	Max WS	18.66	115.35	119.05		119.13	0.000712	1.59	24.17	14.83	0.26
RIVO	RIVO_VALLE	14.533*	Max WS	18.52	115.34	119.05		119.13	0.000648	1.52	24.62	14.02	0.25
RIVO	RIVO_VALLE	14.467*	Max WS	18.30	115.33	119.06		119.13	0.000594	1.46	24.82	13.22	0.24
RIVO	RIVO_VALLE	14.400*	Max WS	18.07	115.32	119.06		119.13	0.000555	1.41	24.78	12.41	0.23
RIVO	RIVO_VALLE	14.333*	Max WS	17.86	115.31	119.06		119.12	0.000530	1.39	24.49	11.61	0.23
RIVO	RIVO_VALLE	14.267*	Max WS	17.69	115.29	119.06		119.13	0.000519	1.37	23.96	10.80	0.23
RIVO	RIVO_VALLE	14.200*	Max WS	17.54	115.28	119.06		119.13	0.000521	1.38	23.19	10.00	0.23
RIVO	RIVO_VALLE	14.133*	Max WS	17.40	115.27	119.06		119.13	0.000537	1.40	22.18	9.19	0.23
RIVO	RIVO_VALLE	14.067*	Max WS	17.26	115.26	119.06		119.13	0.000568	1.45	20.93	8.39	0.24
RIVO	RIVO_VALLE	14	Max WS	17.13	115.25	119.05	117.03	119.14	0.000616	1.51	19.44	7.58	0.25
RIVO	RIVO_VALLE	13.50 Str. Di Maratta	Bridge										
RIVO	RIVO_VALLE	13	Max WS	18.20	115.21	117.35		117.95	0.008648	3.68	6.82	4.77	0.82
RIVO	RIVO_VALLE	12.99		Lat Struct									
RIVO	RIVO_VALLE	12.98		Lat Struct									
RIVO	RIVO_VALLE	12.967*	Max WS	18.27	115.20	117.34		117.95	0.008757	3.71	6.82	4.78	0.83
RIVO	RIVO_VALLE	12.933*	Max WS	18.27	115.19	117.34		117.94	0.008780	3.72	6.83	4.78	0.83
RIVO	RIVO_VALLE	12.900*	Max WS	18.26	115.18	117.33		117.93	0.008813	3.73	6.83	4.79	0.83
RIVO	RIVO_VALLE	12.867*	Max WS	18.28	115.17	117.32		117.93	0.008866	3.75	6.83	4.80	0.84
RIVO	RIVO_VALLE	12.833*	Max WS	18.27	115.16	117.31		117.92	0.008890	3.76	6.84	4.81	0.84
RIVO	RIVO_VALLE	12.800*	Max WS	18.26	115.15	117.30		117.91	0.008929	3.77	6.84	4.82	0.84
RIVO	RIVO_VALLE	12.767*	Max WS	18.26	115.14	117.29		117.90	0.008961	3.79	6.84	4.83	0.84
RIVO	RIVO_VALLE	12.733*	Max WS	18.25	115.13	117.28		117.90	0.008981	3.80	6.85	4.83	0.84
RIVO	RIVO_VALLE	12.700*	Max WS	18.06	115.12	117.27		117.88	0.008849	3.77	6.85	4.84	0.84
RIVO	RIVO_VALLE	12.667*	Max WS	18.07	115.11	117.26		117.87	0.008907	3.79	6.85	4.85	0.84
RIVO	RIVO_VALLE	12.633*	Max WS	18.07	115.10	117.25		117.86	0.008941	3.80	6.85	4.86	0.84
RIVO	RIVO_VALLE	12.600*	Max WS	18.07	115.09	117.24		117.86	0.008995	3.82	6.85	4.86	0.85
RIVO	RIVO_VALLE	12.567*	Max WS	18.07	115.08	117.23		117.85	0.009046	3.83	6.85	4.87	0.85
RIVO	RIVO_VALLE	12.533*	Max WS	18.07	115.07	117.22		117.84	0.009082	3.85	6.85	4.88	0.85
RIVO	RIVO_VALLE	12.500*	Max WS	18.07	115.06	117.21	117.07	117.84	0.009140	3.86	6.85	4.89	0.86
RIVO	RIVO_VALLE	12.467*	Max WS	18.07	115.05	117.20	117.07	117.83	0.009194	3.88	6.85	4.89	0.86
RIVO	RIVO_VALLE	12.433*	Max WS	18.07	115.04	117.19	117.06	117.82	0.009241	3.89	6.85	4.90	0.86
RIVO	RIVO_VALLE	12.400*	Max WS	18.07	115.03	117.18	117.05	117.82	0.009302	3.91	6.85	4.91	0.86
RIVO	RIVO_VALLE	12.367*	Max WS	18.07	115.02	117.17	117.05	117.81	0.009372	3.93	6.85	4.91	0.87
RIVO	RIVO_VALLE	12.333*	Max WS	18.07	115.01	117.16	117.04	117.80	0.009422	3.95	6.85	4.92	0.87
RIVO	RIVO_VALLE	12.300*	Max WS	18.07	115.00	117.15	117.04	117.80	0.009495	3.97	6.85	4.93	0.87
RIVO	RIVO_VALLE	12.267*	Max WS	18.07	114.99	117.14	117.03	117.79	0.009575	3.99	6.84	4.93	0.88
RIVO	RIVO_VALLE	12.233*	Max WS	18.07	114.98	117.13	117.03	117.78	0.009626	4.00	6.84	4.94	0.88
RIVO	RIVO_VALLE	12.200*	Max WS	18.07	114.97	117.12	117.02	117.78	0.009708	4.02	6.84	4.95	0.89
RIVO	RIVO_VALLE	12.167*	Max WS	18.07	114.96	117.11	117.02	117.77	0.009792	4.04	6.83	4.95	0.89
RIVO	RIVO_VALLE	12.133*	Max WS	18.07	114.95	117.10	117.01	117.76	0.009867	4.06	6.83	4.96	0.89
RIVO	RIVO_VALLE	12.100*	Max WS	18.07	114.94	117.09	117.01	117.76	0.009960	4.08	6.82	4.97	0.90
RIVO	RIVO_VALLE	12.067*	Max WS	18.07	114.93	117.08	117.00	117.75</					

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_VALLE	11.944*	Max WS	18.06	114.81	116.96	116.89	117.63	0.010230	4.14	6.83	5.01	0.91
RIVO	RIVO_VALLE	11.917*	Max WS	18.06	114.76	116.91	116.84	117.58	0.010220	4.14	6.84	5.03	0.91
RIVO	RIVO_VALLE	11.889*	Max WS	18.03	114.71	116.86	116.78	117.52	0.010187	4.13	6.86	5.05	0.91
RIVO	RIVO_VALLE	11.861*	Max WS	18.03	114.66	116.81	116.73	117.47	0.010169	4.13	6.87	5.07	0.91
RIVO	RIVO_VALLE	11.833*	Max WS	18.03	114.61	116.76	116.68	117.42	0.010132	4.12	6.89	5.09	0.91
RIVO	RIVO_VALLE	11.808	Lat Struct										
RIVO	RIVO_VALLE	11.807	Lat Struct										
RIVO	RIVO_VALLE	11.806*	Max WS	18.03	114.56	116.71	116.63	117.36	0.010114	4.12	6.91	5.10	0.91
RIVO	RIVO_VALLE	11.778*	Max WS	18.03	114.51	116.66	116.58	117.31	0.010078	4.11	6.93	5.12	0.90
RIVO	RIVO_VALLE	11.750*	Max WS	18.03	114.46	116.61	116.53	117.26	0.010035	4.10	6.96	5.15	0.90
RIVO	RIVO_VALLE	11.722*	Max WS	18.03	114.41	116.56	116.47	117.21	0.009998	4.10	6.98	5.17	0.90
RIVO	RIVO_VALLE	11.694*	Max WS	18.03	114.36	116.51	116.42	117.15	0.009943	4.09	7.01	5.19	0.90
RIVO	RIVO_VALLE	11.667*	Max WS	18.03	114.31	116.46	116.37	117.10	0.009893	4.08	7.03	5.21	0.90
RIVO	RIVO_VALLE	11.641	Lat Struct										
RIVO	RIVO_VALLE	11.640	Lat Struct										
RIVO	RIVO_VALLE	11.639*	Max WS	18.03	114.26	116.41	116.33	117.05	0.009809	4.07	7.07	5.24	0.89
RIVO	RIVO_VALLE	11.611*	Max WS	18.02	114.21	116.37	116.27	116.99	0.009729	4.05	7.10	5.27	0.89
RIVO	RIVO_VALLE	11.583*	Max WS	18.02	114.16	116.32	116.22	116.94	0.009634	4.04	7.14	5.29	0.88
RIVO	RIVO_VALLE	11.556*	Max WS	18.02	114.11	116.27	116.17	116.89	0.009531	4.02	7.19	5.32	0.88
RIVO	RIVO_VALLE	11.528*	Max WS	18.02	114.05	116.23	116.12	116.84	0.009402	4.00	7.24	5.35	0.87
RIVO	RIVO_VALLE	11.500*	Max WS	18.02	114.01	116.18	116.06	116.78	0.009301	3.98	7.28	5.39	0.87
RIVO	RIVO_VALLE	11.474	Lat Struct										
RIVO	RIVO_VALLE	11.473	Lat Struct										
RIVO	RIVO_VALLE	11.472*	Max WS	18.02	113.96	116.14	116.01	116.74	0.009272	3.98	7.33	5.58	0.87
RIVO	RIVO_VALLE	11.444*	Max WS	18.02	113.90	116.09	115.96	116.69	0.009221	3.98	7.39	5.79	0.87
RIVO	RIVO_VALLE	11.417*	Max WS	18.02	113.85	116.05	115.90	116.64	0.009093	3.96	7.46	5.89	0.86
RIVO	RIVO_VALLE	11.389*	Max WS	18.02	113.80	116.01	115.84	116.59	0.008894	3.93	7.54	5.91	0.85
RIVO	RIVO_VALLE	11.361*	Max WS	18.02	113.75	115.97		116.53	0.008670	3.89	7.64	5.93	0.84
RIVO	RIVO_VALLE	11.333*	Max WS	18.02	113.70	115.93		116.48	0.008404	3.85	7.75	5.95	0.83
RIVO	RIVO_VALLE	11.308	Lat Struct										
RIVO	RIVO_VALLE	11.307	Lat Struct										
RIVO	RIVO_VALLE	11.306*	Max WS	18.02	113.65	115.90		116.43	0.008139	3.80	7.86	5.97	0.82
RIVO	RIVO_VALLE	11.278*	Max WS	18.02	113.60	115.86		116.38	0.007830	3.75	8.00	6.00	0.80
RIVO	RIVO_VALLE	11.250*	Max WS	18.02	113.55	115.83		116.33	0.007499	3.69	8.16	6.03	0.79
RIVO	RIVO_VALLE	11.222*	Max WS	18.02	113.50	115.81		116.28	0.007177	3.63	8.32	6.06	0.77
RIVO	RIVO_VALLE	11.194*	Max WS	18.02	113.45	115.78		116.24	0.006811	3.56	8.50	6.08	0.75
RIVO	RIVO_VALLE	11.167*	Max WS	18.01	113.40	115.76		116.19	0.006436	3.49	8.70	6.06	0.73
RIVO	RIVO_VALLE	11.141	Lat Struct										
RIVO	RIVO_VALLE	11.140	Lat Struct										
RIVO	RIVO_VALLE	11.139*	Max WS	17.98	113.35	115.74		116.15	0.006031	3.41	8.93	6.05	0.71
RIVO	RIVO_VALLE	11.111*	Max WS	17.95	113.30	115.72		116.11	0.005631	3.33	9.16	6.04	0.69
RIVO	RIVO_VALLE	11.083*	Max WS	17.89	113.25	115.71		116.08	0.005230	3.24	9.42	6.03	0.67
RIVO	RIVO_VALLE	11.056*	Max WS	17.81	113.20	115.70		116.04	0.004827	3.15	9.69	6.02	0.64
RIVO	RIVO_VALLE	11.028*	Max WS	17.68	113.15	115.70		116.02	0.004398	3.04	9.99	6.01	0.61
RIVO	RIVO_VALLE	11	Max WS	17.76	113.10	115.68		115.99	0.004187	3.00	10.23	6.00	0.60
RIVO	RIVO_VALLE	10.835	Lat Struct										
RIVO	RIVO_VALLE	10.834	Lat Struct										
RIVO	RIVO_VALLE	10.833*	Max WS	17.77	113.04	115.68		115.96	0.003614	2.84	10.96	6.45	0.56
RIVO	RIVO_VALLE	10.667*	Max WS	17.51	112.97	115.70		115.93	0.002932	2.62	11.89	6.89	0.51
RIVO	RIVO_VALLE	10.500*	Max WS	17.12	112.89	115.72		115.90	0.002311	2.38	12.97	7.34	0.45
RIVO	RIVO_VALLE	10.333*	Max WS	16.51	112.81	115.74		115.89	0.001758	2.12	14.21	7.79	0.40
RIVO	RIVO_VALLE	10.167*	Max WS	15.80	112.73	115.76		115.87	0.001276	1.85	15.59	8.23	0.34
RIVO	RIVO_VALLE	10	Max WS	14.46	112.65	115.79	114.68	115.86	0.000892	1.58	17.08	8.68	0.29
RIVO	RIVO_VALLE	9.50	Inizio Tratto In	Bridge									
RIVO	RIVO_VALLE	9	Max WS	14.38	112.24	114.26		114.92	0.008132	3.58	4.02	5.46	0.81
RIVO	RIVO_VALLE	8.9474*	Max WS	14.38	112.19	114.26		114.54	0.003979	2.54	7.49	5.47	0.57
RIVO	RIVO_VALLE	8.8947*	Max WS	14.37	112.14	114.26		114.54	0.003781	2.51	7.66	5.47	0.55
RIVO	RIVO_VALLE	8.8421*	Max WS	14.36	112.09	114.26		114.53	0.003600	2.49	7.84	5.48	0.54
RIVO	RIVO_VALLE	8.7895*	Max WS	14.35	112.04	114.26		114.53	0.003439	2.46	8.02	5.48	0.53
RIVO	RIVO_VALLE	8.756	Lat Struct										
RIVO	RIVO_VALLE	8.7503	Lat Struct										
RIVO	RIVO_VALLE	8.7368*	Max WS	14.35	112.00	114.26		114.52	0.003294	2.44	8.20	5.49	0.52
RIVO	RIVO_VALLE	8.6842*	Max WS	14.37	111.95	114.27		114.52	0.003176	2.42	8.38	5.49	0.51
RIVO	RIVO_VALLE	8.6316*	Max WS	14.38	111.90	114.27		114.51	0.003062	2.40	8.55	5.50	0.50
RIVO	RIVO_VALLE	8.5789*	Max WS	14.38	111.85	114.27		114.51	0.002955	2.39	8.74	5.50	0.49
RIVO	RIVO_VALLE	8.5263*	Max WS	14.39	111.80	114.27		114.50	0.002862	2.37	8.91	5.51	0.49
RIVO	RIVO_VALLE	8.4737*	Max WS	14.40	111.75	114.27		114.50	0.002776	2.36	9.09	5.51	0.48
RIVO	RIVO_VALLE	8.4211*	Max WS	14.42	111.70	114.27		114.50	0.002701	2.34	9.27	5.52	0.47
RIVO	RIVO_VALLE	8.3684*	Max WS	14.43	111.65	114.27		114.49	0.002631	2.33	9.46	5.52	0.46
RIVO	RIVO_VALLE	8.3158*	Max WS	14.45	111.60	114.27		114.49	0.002572	2.32	9.63	5.53	0.46
RIVO	RIVO_VALLE	8.265	Lat Struct										
RIVO	RIVO_VALLE	8.2632*	Max WS	14.48	111.56	114.27		114.48	0.002526	2.31	9.81	5.53	0.45
RIVO	RIVO_VALLE	8.2105*	Max WS	14.49	111.51	114.27		114.48	0.002473	2.30	10.00	5.54	0.45
RIVO	RIVO_VALLE	8.1579*	Max WS	14.51	111.46	114.27		114.48	0.002432	2.29	10.18	5.54	0.44
RIVO	RIVO_VALLE	8.1053*	Max WS	14.52	111.41	114.28		114.47	0.002395	2.28	10.36	5.55	0.44
RIVO	RIVO_VALLE	8.0526*	Max WS	14.52	111.36	114.28		114.47	0.002290	2.24	10.55	5.55	0.42
RIVO	RIVO_VALLE	8	Max WS	14.30	111.31	114.28		114.46	0.002246	2.23	10.75	5.56	0.42
RIVO	RIVO_VALLE	7.91	Lat Struct										
RIVO	RIVO_VALLE	7.9000*	Max WS	14.16	111.21	114.30		114.45	0.002445	2.13	11.40	6.30	0.39
RIVO	RIVO_VALLE	7.8	Max WS	14.15	111.11	114.29		114.44	0.003461	2.19	10.92	7.04	0.40
RIVO	RIVO_VALLE	7.7743	Lat Struct										
RIVO	RIVO_VALLE	7.7742*	Max WS	14.55	111.07	114.27		114.43	0.003427	2.23	11.09	7.09	0.41
RIVO	RIVO_VALLE	7.7484*	Max WS	14.71	111.03	114.25		114.41	0.003254	2.22	11.31	7.14	0.40
RIVO	RIVO_VALLE	7.7226*	Max WS	14.77	111.00	114.23		114.39	0.003030	2.19	11.56	7.20	0.40
RIVO	RIVO_VALLE	7.6969	Lat Struct										
RIVO	RIVO_VALLE	7.6968*	Max WS	14.64	110.96	114.23		114.37	0.002722	2.13	11.86	7.25	0.38
RIVO	RIVO_VALLE	7.6967	Lat Struct										
RIVO	RIVO_VALLE	7.6710*	Max WS	14.47	110.92	114.22		114.36	0.002425	2.06	12.19	7.31	0.37
RIVO	RIVO_VALLE	7.6452*	Max WS	14.31	110.88	114.22		114.35	0.002158	1.99	12.54	7.36	0.35
RIVO	RIVO_VALLE	7.6196	Lat Struct										
RIVO	RIVO_VALLE	7.6194*	Max WS	14.30	110.84	114.21		114.33	0.001973	1.94	12.87	7.42	0.34
RIVO	RIVO_VALLE	7.5935*	Max WS	14.34	110.80	114.20		114.32	0.001821	1.91	13.20	7.48	0.33
RIVO	RIVO_VALLE	7.5677*	Max WS	14.38	110.77	114.20		114.31	0.001678	1.87	13.55	7.53	0.33
RIVO	RIVO_VALLE	7.5419*	Max WS	14.40	110.73	114.19		114.30	0.001545	1.83	13.90	7.59	0.32
RIVO	RIVO_VALLE	7.5162	Lat Struct										
RIVO	RIVO_VALLE	7.5161*	Max WS	14.43	110.69	114.19		114.30	0.001424	1.80	14.26	7.64	0.31
RIVO	RIVO_VALLE	7.4903*	Max WS	14.47	110.65	114.18		114.29	0.001316	1.76	14.62	7.70	0.30
RIVO	RIVO_VALLE	7.4646	Lat Struct										
RIVO	RIVO_VALLE	7.4645*	Max WS	14.52	110.61	114.18		114.28	0.001220	1.73	14.99	7.75	0.30
RIVO	RIVO_VALLE	7.4387*	Max WS	14.53	110.57	114.17		114.27	0.001126	1.70	15.37		

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
RIVO	RIVO_VALLE	7.3355*	Max WS	14.37	110.41	114.16		114.24	0.000792	1.54	17.01	8.03	0.26
RIVO	RIVO_VALLE	7.3098	Lat Struct										
RIVO	RIVO_VALLE	7.3097*	Max WS	14.36	110.37	114.16		114.24	0.000731	1.50	17.43	8.09	0.25
RIVO	RIVO_VALLE	7.2839*	Max WS	14.37	110.33	114.16		114.23	0.000676	1.47	17.87	8.14	0.24
RIVO	RIVO_VALLE	7.2581*	Max WS	14.38	110.29	114.16		114.23	0.000627	1.44	18.31	8.20	0.24
RIVO	RIVO_VALLE	7.2323*	Max WS	14.39	110.25	114.16		114.22	0.000582	1.41	18.76	8.25	0.23
RIVO	RIVO_VALLE	7.2085*	Max WS	14.39	110.21	114.15		114.22	0.000540	1.38	19.21	8.31	0.22
RIVO	RIVO_VALLE	7.1807	Lat Struct										
RIVO	RIVO_VALLE	7.1806*	Max WS	14.39	110.18	114.15		114.22	0.000501	1.35	19.67	8.32	0.22
RIVO	RIVO_VALLE	7.1549	Lat Struct										
RIVO	RIVO_VALLE	7.1548*	Max WS	14.39	110.13	114.15		114.21	0.000466	1.32	20.14	8.38	0.21
RIVO	RIVO_VALLE	7.1290*	Max WS	14.39	110.10	114.15		114.21	0.000434	1.29	20.62	8.43	0.21
RIVO	RIVO_VALLE	7.1032*	Max WS	14.40	110.06	114.15		114.21	0.000405	1.26	21.11	8.48	0.20
RIVO	RIVO_VALLE	7.0774*	Max WS	14.38	110.02	114.15		114.20	0.000378	1.23	21.60	8.54	0.19
RIVO	RIVO_VALLE	7.0516*	Max WS	14.35	109.98	114.15		114.20	0.000353	1.20	22.10	8.59	0.19
RIVO	RIVO_VALLE	7.0259	Lat Struct										
RIVO	RIVO_VALLE	7.0258*	Max WS	14.32	109.94	114.15		114.20	0.000330	1.17	22.60	8.64	0.18
RIVO	RIVO_VALLE	7.015	Lat Struct										
RIVO	RIVO_VALLE	7	Max WS	14.28	109.89	114.15		114.20	0.000309	1.14	23.11	8.70	0.18
RIVO	RIVO_VALLE	6.5000*	Max WS	14.24	109.88	114.15		114.19	0.000298	1.09	22.06	8.16	0.17
RIVO	RIVO_VALLE	6	Max WS	14.19	109.83	114.15	111.72	114.19	0.000295	1.03	21.17	7.58	0.16
RIVO	RIVO_VALLE	5.50 Via Vanzetti	Bridge										
RIVO	RIVO_VALLE	5	Max WS	3.62	108.99	112.53		112.55	0.000077	0.51	7.12	6.20	0.09
RIVO	RIVO_VALLE	4.5002	Lat Struct										
RIVO	RIVO_VALLE	4.5001	Lat Struct										
RIVO	RIVO_VALLE	4.5000*	Max WS	3.62	108.98	112.54		112.55	0.000042	0.38	14.42	6.96	0.06
RIVO	RIVO_VALLE	4	Max WS	3.61	108.96	112.54		112.54	0.000042	0.37	15.06	7.72	0.06
RIVO	RIVO_VALLE	3	Max WS	3.61	107.85	112.54		112.54	0.000021	0.32	17.85	7.97	0.05
RIVO	RIVO_VALLE	2.7500*	Max WS	3.64	107.72	112.54		112.54	0.000019	0.31	20.17	9.44	0.05
RIVO	RIVO_VALLE	2.5000*	Max WS	3.64	107.58	112.54		112.54	0.000018	0.31	21.44	10.90	0.04
RIVO	RIVO_VALLE	2.2500*	Max WS	3.64	107.45	112.54		112.54	0.000016	0.29	23.43	8.89	0.04
RIVO	RIVO_VALLE	2	Max WS	3.63	107.31	112.54		112.54	0.000015	0.28	25.16	9.74	0.04
RIVO	RIVO_VALLE	1.8889*	Max WS	3.63	107.22	112.54		112.54	0.000007	0.19	35.45	13.79	0.03
RIVO	RIVO_VALLE	1.7780	Lat Struct										
RIVO	RIVO_VALLE	1.7779	Lat Struct										
RIVO	RIVO_VALLE	1.7778*	Max WS	3.63	107.13	112.54		112.54	0.000004	0.14	48.17	17.86	0.02
RIVO	RIVO_VALLE	1.6667*	Max WS	3.62	107.04	112.54		112.54	0.000002	0.10	63.31	21.94	0.01
RIVO	RIVO_VALLE	1.5556*	Max WS	4.88	106.95	112.54		112.54	0.000002	0.11	80.88	26.04	0.01
RIVO	RIVO_VALLE	1.4444*	Max WS	4.88	106.85	112.54		112.54	0.000001	0.08	100.89	30.15	0.01
RIVO	RIVO_VALLE	1.3333*	Max WS	4.99	106.76	112.54		112.54	0.000001	0.07	123.32	34.26	0.01
RIVO	RIVO_VALLE	1.2223	Lat Struct										
RIVO	RIVO_VALLE	1.2222*	Max WS	4.88	106.67	112.54		112.54	0.000001	0.05	148.20	38.39	0.01
RIVO	RIVO_VALLE	1.1112	Lat Struct										
RIVO	RIVO_VALLE	1.1111*	Max WS	4.88	106.58	112.54		112.54	0.000000	0.04	175.51	42.52	0.01
RIVO	RIVO_VALLE	1	Max WS	3.50	106.49	112.54	107.02	112.54	0.000000	0.03	205.27	46.66	0.00
CALCINARE	CALCINARE	39	Max WS	19.29	184.17	185.58	185.56	186.18	0.031103	3.43	5.88	4.90	0.97
CALCINARE	CALCINARE	38.969	Lat Struct										
CALCINARE	CALCINARE	38.965	Lat Struct										
CALCINARE	CALCINARE	38.964*	Max WS	19.30	183.87	185.46		185.91	0.020044	3.01	6.93	5.45	0.80
CALCINARE	CALCINARE	38.929*	Max WS	38.16	183.57	185.26	185.66	186.76	0.061685	5.53	7.69	5.98	1.42
CALCINARE	CALCINARE	38.893*	Max WS	38.11	183.27	184.96	185.36	186.44	0.061280	5.52	7.84	6.51	1.41
CALCINARE	CALCINARE	38.857*	Max WS	38.07	182.97	184.65	185.07	186.13	0.061122	5.52	7.95	7.05	1.41
CALCINARE	CALCINARE	38.821*	Max WS	38.04	182.67	184.36	184.78	185.83	0.061140	5.53	8.03	7.58	1.41
CALCINARE	CALCINARE	38.786*	Max WS	38.01	182.37	184.05	184.50	185.54	0.061547	5.56	8.05	8.11	1.42
CALCINARE	CALCINARE	38.760	Lat Struct										
CALCINARE	CALCINARE	38.755	Lat Struct										
CALCINARE	CALCINARE	38.750*	Max WS	38.00	182.08	183.75	184.21	185.26	0.062467	5.60	8.01	8.25	1.43
CALCINARE	CALCINARE	38.714*	Max WS	37.99	181.78	183.45	183.93	184.93	0.062247	5.59	7.99	6.95	1.43
CALCINARE	CALCINARE	38.679*	Max WS	37.99	181.48	183.14	183.65	184.59	0.061362	5.55	8.04	6.45	1.42
CALCINARE	CALCINARE	38.643*	Max WS	37.98	181.18	182.84	183.37	184.28	0.061330	5.56	8.10	6.55	1.42
CALCINARE	CALCINARE	38.615	Lat Struct										
CALCINARE	CALCINARE	38.607*	Max WS	37.98	180.88	182.54	183.09	183.97	0.061347	5.56	8.15	6.65	1.42
CALCINARE	CALCINARE	38.572	Lat Struct										
CALCINARE	CALCINARE	38.571*	Max WS	37.97	180.58	182.24	182.81	183.66	0.061266	5.57	8.21	6.75	1.42
CALCINARE	CALCINARE	38.536*	Max WS	37.96	180.28	181.94	182.16	183.36	0.061221	5.57	8.26	6.84	1.42
CALCINARE	CALCINARE	38.500*	Max WS	37.95	179.98	181.64	181.89	183.05	0.060914	5.57	8.32	6.92	1.41
CALCINARE	CALCINARE	38.464*	Max WS	37.95	179.68	181.34	181.61	182.74	0.060602	5.57	8.38	7.01	1.41
CALCINARE	CALCINARE	38.429*	Max WS	38.00	179.38	181.05	181.36	182.43	0.060071	5.56	8.46	7.10	1.41
CALCINARE	CALCINARE	38.396	Lat Struct										
CALCINARE	CALCINARE	38.395	Lat Struct										
CALCINARE	CALCINARE	38.393*	Max WS	38.04	179.08	180.75	181.09	182.12	0.059206	5.55	8.55	7.19	1.40
CALCINARE	CALCINARE	38.357*	Max WS	38.06	178.78	180.47	180.81	181.80	0.057567	5.51	8.69	7.29	1.38
CALCINARE	CALCINARE	38.321*	Max WS	38.06	178.48	180.19	180.55	181.47	0.054359	5.42	8.92	7.42	1.35
CALCINARE	CALCINARE	38.286*	Max WS	38.03	178.18	179.94	180.26	181.12	0.048976	5.24	9.31	7.60	1.28
CALCINARE	CALCINARE	38.250*	Max WS	37.99	177.88	179.72	179.95	180.76	0.041188	4.97	9.97	7.87	1.19
CALCINARE	CALCINARE	38.214*	Max WS	37.94	177.59	179.53	179.65	180.41	0.032154	4.59	10.99	8.26	1.06
CALCINARE	CALCINARE	38.200	Lat Struct										
CALCINARE	CALCINARE	38.182	Lat Struct										
CALCINARE	CALCINARE	38.179*	Max WS	37.89	177.29	179.40	179.35	180.09	0.023342	4.13	12.44	8.63	0.92
CALCINARE	CALCINARE	38.143*	Max WS	37.89	176.99	179.30		179.84	0.016268	3.68	14.30	9.02	0.78
CALCINARE	CALCINARE	38.107*	Max WS	37.80	176.69	179.28		179.71	0.011396	3.32	17.28	13.74	0.66
CALCINARE	CALCINARE	38.071*	Max WS	37.62	176.39	179.30		179.58	0.006725	2.77	22.64	18.74	0.52
CALCINARE	CALCINARE	38.036*	Max WS	37.19	176.09	179.34		179.51	0.003717	2.22	29.01	19.27	0.39
CALCINARE	CALCINARE	38.002	Lat Struct										
CALCINARE	CALCINARE	38	Max WS	36.48	175.79	179.37		179.48	0.002199	1.82	35.40	19.80	0.31
CALCINARE	CALCINARE	37.669	Lat Struct										
CALCINARE	CALCINARE	37.6675	Lat Struct										
CALCINARE	CALCINARE	37.667*	Max WS	35.62	175.36	179.36		179.47	0.001991	1.87	33.71	15.27	0.30
CALCINARE	CALCINARE	37.334	Lat Struct										
CALCINARE	CALCINARE	37.333*	Max WS	34.26	174.92	179.34		179.48	0.002112	2.06	28.91	10.74	0.31
CALCINARE	CALCINARE	37	Max WS	32.21	174.49	179.29		179.50	0.002679	2.45	21.08	6.21	0.36
CALCINARE	CALCINARE	36.5	Culvert										
CALCINARE	CALCINARE	36	Max WS	32.21	174.02	176.19	176.23	177.29	0.028905	4.67	7.24	3.72	1.02
CALCINARE	CALCINARE	35.900	Lat Struct										
CALCINARE	CALCINARE	35.669	Lat Struct										
CALCINARE	CALCINARE	35.667*	Max WS	32.48	173.88	176.05	176.07	177.28	0.033339	5.04	7.30	4.16	1.10
CALCINARE	CALCINARE	35.333*	Max WS	32.80	173.73	175.88	176.38	177.29	0.040108	5.51	7.54	6.37	1.21
CALCINARE	CALCINARE	35	Max WS	32.86	173.55	175.67	176.17	177.21	0.048656	5.98	8.15	9.81	1.32
CALCINARE	CALCINARE	34.905	Lat Struct										
CALCINARE	CALCINARE	34.900*	Max WS	33.18	173.33	175.45	175.96	176.99	0.046756	5.86	7.87	8.87	1.30
CALCINARE	CALCINARE	34.800*	Max WS	33.22	173.11	175.25	175.74	176.71	0.042455	5.62</			

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
CALCINARE	CALCINARE	34.400*	Max WS	33.90	172.24	174.68	174.66	175.51	0.018987	4.13	9.73	6.98	0.85
CALCINARE	CALCINARE	34.302	Lat Struct										
CALCINARE	CALCINARE	34.300*	Max WS	34.54	172.02	174.60		175.31	0.014838	3.79	10.54	6.28	0.76
CALCINARE	CALCINARE	34.200*	Max WS	35.32	171.81	174.54		175.15	0.011700	3.51	11.32	5.58	0.68
CALCINARE	CALCINARE	34.100*	Max WS	36.15	171.58	174.51		175.04	0.009071	3.23	12.12	4.88	0.61
CALCINARE	CALCINARE	34.009	Lat Struct										
CALCINARE	CALCINARE	34	Max WS	37.14	171.36	174.50		174.96	0.007082	2.99	12.79	4.18	0.54
CALCINARE	CALCINARE	33.750*	Max WS	37.40	171.05	174.57		174.90	0.004466	2.54	15.52	4.64	0.44
CALCINARE	CALCINARE	33.500*	Max WS	35.85	170.74	174.68		174.89	0.002596	2.06	18.65	5.11	0.34
CALCINARE	CALCINARE	33.255	Lat Struct										
CALCINARE	CALCINARE	33.250*	Max WS	32.16	170.43	174.78		174.91	0.001374	1.58	22.08	5.57	0.25
CALCINARE	CALCINARE	33	Max WS	26.85	170.12	174.86	172.03	174.93	0.000664	1.15	25.63	6.03	0.17
CALCINARE	CALCINARE	32.50 Ponte su Ferrovi	Bridge										
CALCINARE	CALCINARE	32	Max WS	26.82	169.93	171.94		172.65	0.022647	3.83	7.31	19.97	0.89
CALCINARE	CALCINARE	31.670	Lat Struct										
CALCINARE	CALCINARE	31.669	Lat Struct										
CALCINARE	CALCINARE	31.667*	Max WS	27.30	169.77	171.88		172.09	0.009928	2.60	17.13	15.98	0.59
CALCINARE	CALCINARE	31.335	Lat Struct										
CALCINARE	CALCINARE	31.333*	Max WS	27.82	169.61	171.75		172.21	0.018930	3.59	12.01	10.64	0.81
CALCINARE	CALCINARE	31	Max WS	28.24	169.45	171.62	171.61	172.80	0.042347	5.32	7.36	5.40	1.20
CALCINARE	CALCINARE	30.933*	Max WS	28.57	169.21	171.41	171.37	172.63	0.043549	5.43	7.44	5.72	1.21
CALCINARE	CALCINARE	30.867*	Max WS	28.48	168.98	171.19	171.16	172.41	0.043531	5.47	7.51	5.96	1.21
CALCINARE	CALCINARE	30.800*	Max WS	28.43	168.74	170.98	171.56	172.20	0.043677	5.51	7.58	6.23	1.22
CALCINARE	CALCINARE	30.735	Lat Struct										
CALCINARE	CALCINARE	30.733*	Max WS	28.45	168.51	170.76	171.32	171.99	0.044280	5.57	7.63	6.42	1.22
CALCINARE	CALCINARE	30.669	Lat Struct										
CALCINARE	CALCINARE	30.667*	Max WS	28.09	168.27	170.55	171.08	171.75	0.043519	5.54	7.71	6.69	1.21
CALCINARE	CALCINARE	30.600*	Max WS	27.59	168.03	170.34	170.83	171.49	0.042281	5.49	7.80	7.01	1.19
CALCINARE	CALCINARE	30.533*	Max WS	27.07	167.80	170.14	170.58	171.24	0.040599	5.41	7.95	7.51	1.17
CALCINARE	CALCINARE	30.467*	Max WS	26.63	167.56	169.94	169.83	170.98	0.038534	5.32	8.18	8.20	1.14
CALCINARE	CALCINARE	30.400*	Max WS	27.28	167.33	169.75	169.60	170.81	0.039474	5.42	8.46	8.97	1.15
CALCINARE	CALCINARE	30.335	Lat Struct										
CALCINARE	CALCINARE	30.333*	Max WS	28.06	167.09	169.56	169.37	170.64	0.041227	5.57	8.71	9.60	1.17
CALCINARE	CALCINARE	30.269	Lat Struct										
CALCINARE	CALCINARE	30.267*	Max WS	28.83	166.85	169.36	169.16	170.43	0.042262	5.65	8.89	8.97	1.18
CALCINARE	CALCINARE	30.200*	Max WS	29.65	166.62	169.14	169.45	170.23	0.044874	5.81	8.90	8.20	1.20
CALCINARE	CALCINARE	30.133*	Max WS	30.08	166.38	168.92	169.21	170.02	0.047539	5.93	8.80	7.43	1.23
CALCINARE	CALCINARE	30.067*	Max WS	29.86	166.15	168.68	168.94	169.77	0.049542	5.98	8.58	6.67	1.24
CALCINARE	CALCINARE	30	Max WS	29.76	165.91	168.43	168.66	169.54	0.053480	6.09	8.27	5.90	1.27
CALCINARE	CALCINARE	29.752	Lat Struct										
CALCINARE	CALCINARE	29.750*	Max WS	30.30	165.69	168.21	168.38	169.30	0.039090	5.47	8.57	5.55	1.14
CALCINARE	CALCINARE	29.505	Lat Struct										
CALCINARE	CALCINARE	29.500*	Max WS	30.75	165.48	168.05	168.03	168.98	0.027306	4.73	9.14	5.20	0.98
CALCINARE	CALCINARE	29.250*	Max WS	30.79	165.26	167.95		168.67	0.018204	4.01	9.86	4.85	0.81
CALCINARE	CALCINARE	29	Max WS	29.93	165.04	167.97	167.24	168.44	0.009948	3.15	11.03	4.50	0.61
CALCINARE	CALCINARE	28.50 Ponte su Via del	Bridge										
CALCINARE	CALCINARE	28	Max WS	29.90	164.89	166.60	166.91	167.92	0.049295	5.23	6.40	4.40	1.29
CALCINARE	CALCINARE	27.508	Lat Struct										
CALCINARE	CALCINARE	27.505	Lat Struct										
CALCINARE	CALCINARE	27.500*	Max WS	30.28	164.44	166.43	166.82	167.61	0.041385	5.23	8.10	7.83	1.20
CALCINARE	CALCINARE	27.01	Lat Struct										
CALCINARE	CALCINARE	27	Max WS	30.39	163.99	166.26	166.48	167.66	0.046131	5.92	7.51	5.27	1.28
CALCINARE	CALCINARE	26.967*	Max WS	30.39	163.78	166.04	166.27	167.43	0.045979	5.90	7.51	5.29	1.28
CALCINARE	CALCINARE	26.933*	Max WS	30.42	163.57	165.81	165.93	167.20	0.045964	5.88	7.52	5.30	1.28
CALCINARE	CALCINARE	26.900*	Max WS	30.44	163.36	165.59	165.79	166.97	0.045839	5.87	7.53	5.32	1.28
CALCINARE	CALCINARE	26.867*	Max WS	30.55	163.15	165.36	165.54	166.75	0.046108	5.87	7.53	5.34	1.28
CALCINARE	CALCINARE	26.835	Lat Struct										
CALCINARE	CALCINARE	26.833*	Max WS	30.54	162.93	165.13	165.29	166.52	0.046086	5.85	7.53	5.35	1.28
CALCINARE	CALCINARE	26.802	Lat Struct										
CALCINARE	CALCINARE	26.800*	Max WS	30.51	162.72	164.91	165.04	166.28	0.045891	5.83	7.54	5.37	1.28
CALCINARE	CALCINARE	26.767*	Max WS	30.49	162.51	164.69	164.74	166.05	0.045619	5.80	7.55	5.39	1.28
CALCINARE	CALCINARE	26.733*	Max WS	30.47	162.30	164.46	164.49	165.81	0.045239	5.77	7.58	5.41	1.27
CALCINARE	CALCINARE	26.700*	Max WS	30.46	162.09	164.24	164.27	165.57	0.044692	5.73	7.61	5.41	1.26
CALCINARE	CALCINARE	26.667*	Max WS	30.48	161.88	164.02	163.97	165.34	0.044125	5.69	7.66	5.42	1.26
CALCINARE	CALCINARE	26.634	Lat Struct										
CALCINARE	CALCINARE	26.633*	Max WS	30.48	161.67	163.81	163.76	165.11	0.043583	5.65	7.71	5.51	1.25
CALCINARE	CALCINARE	26.602	Lat Struct										
CALCINARE	CALCINARE	26.600*	Max WS	30.47	161.45	163.59	163.54	164.97	0.045673	5.78	7.77	7.15	1.28
CALCINARE	CALCINARE	26.567*	Max WS	30.46	161.24	163.36	163.85	164.78	0.046506	5.82	7.83	8.57	1.29
CALCINARE	CALCINARE	26.533*	Max WS	30.45	161.03	163.13	163.61	164.56	0.047048	5.83	7.89	9.68	1.30
CALCINARE	CALCINARE	26.500*	Max WS	30.44	160.82	162.90	163.37	164.34	0.047566	5.84	7.95	10.74	1.30
CALCINARE	CALCINARE	26.467*	Max WS	30.44	160.61	162.67	163.12	164.08	0.047220	5.79	8.02	10.43	1.30
CALCINARE	CALCINARE	26.435	Lat Struct										
CALCINARE	CALCINARE	26.433*	Max WS	30.43	160.40	162.44	162.88	163.82	0.046969	5.75	8.07	10.04	1.29
CALCINARE	CALCINARE	26.431	Lat Struct										
CALCINARE	CALCINARE	26.400*	Max WS	30.43	160.19	162.21	162.64	163.57	0.046864	5.71	8.09	9.65	1.29
CALCINARE	CALCINARE	26.367*	Max WS	30.43	159.97	161.98	162.40	163.31	0.046761	5.67	8.11	9.26	1.29
CALCINARE	CALCINARE	26.333*	Max WS	30.43	159.76	161.75	162.15	163.06	0.046710	5.64	8.11	8.87	1.29
CALCINARE	CALCINARE	26.300*	Max WS	30.42	159.54	161.53	161.32	162.81	0.046356	5.60	8.12	8.48	1.28
CALCINARE	CALCINARE	26.267*	Max WS	30.40	159.32	161.30	161.67	162.56	0.046009	5.56	8.12	8.09	1.27
CALCINARE	CALCINARE	26.235	Lat Struct										
CALCINARE	CALCINARE	26.233*	Max WS	30.33	159.09	161.07	161.42	162.31	0.045414	5.50	8.12	7.70	1.26
CALCINARE	CALCINARE	26.228	Lat Struct										
CALCINARE	CALCINARE	26.200*	Max WS	30.59	158.87	160.85	161.19	162.09	0.045880	5.52	8.10	7.31	1.27
CALCINARE	CALCINARE	26.167*	Max WS	30.86	158.65	160.62	160.95	161.88	0.046899	5.55	8.03	6.92	1.28
CALCINARE	CALCINARE	26.133*	Max WS	30.72	158.43	160.39	160.72	161.65	0.047074	5.53	7.93	6.53	1.28
CALCINARE	CALCINARE	26.100*	Max WS	30.32	158.21	160.17	160.46	161.39	0.046310	5.46	7.83	6.14	1.27
CALCINARE	CALCINARE	26.067*	Max WS	30.55	157.99	159.94	160.22	161.20	0.048056	5.53	7.69	5.75	1.29
CALCINARE	CALCINARE	26.040	Lat Struct										
CALCINARE	CALCINARE	26.033*	Max WS	29.92	157.77	159.70	159.95	160.94	0.047508	5.46	7.51	5.36	1.28
CALCINARE	CALCINARE	26.020	Lat Struct										
CALCINARE	CALCINARE	26	Max WS	29.56	157.55	159.47	159.70	160.71	0.047908	5.44	7.33	4.97	1.29
CALCINARE	CALCINARE	25.971*	Max WS	29.30	157.31	159.23	159.47	160.48	0.047781	5.45	7.24	4.90	1.29
CALCINARE	CALCINARE	25.943*	Max WS	29.23	157.06	158.99	159.25	160.27	0.048263	5.49	7.15	4.83	1.29
CALCINARE	CALCINARE	25.914*	Max WS	29.23	156.82	158.75	159.02	160.07	0.049518	5.57	7.03	4.76	1.31
CALCINARE	CALCINARE	25.886*	Max WS	29.17	156.58	158.49	158.80	159.87	0.051252	5.66	6.88	4.69	1.33
CALCINARE	CALCINARE	25.858	Lat Struct										
CALCINARE	CALCINARE	25.857*	Max										

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
CALCINARE	CALCINARE	25.686*	Max WS	29.41	154.88	156.56	157.33	159.22	0.047304	7.52	5.17	4.13	1.88
CALCINARE	CALCINARE	25.680	Lat Struct										
CALCINARE	CALCINARE	25.657*	Max WS	29.41	154.64	156.32	157.10	159.01	0.047302	7.56	5.12	4.04	1.88
CALCINARE	CALCINARE	25.629*	Max WS	29.41	154.39	156.08	156.88	158.81	0.047249	7.59	5.07	3.96	1.89
CALCINARE	CALCINARE	25.600*	Max WS	29.40	154.15	155.85	156.65	158.61	0.047250	7.62	5.02	3.87	1.89
CALCINARE	CALCINARE	25.571*	Max WS	29.40	153.91	155.61	156.42	158.41	0.047268	7.65	4.96	3.79	1.89
CALCINARE	CALCINARE	25.544	Lat Struct										
CALCINARE	CALCINARE	25.543*	Max WS	29.40	153.66	155.38	156.20	158.20	0.047214	7.68	4.91	3.71	1.89
CALCINARE	CALCINARE	25.540	Lat Struct										
CALCINARE	CALCINARE	25.514*	Max WS	29.40	153.42	155.14	155.98	158.00	0.047250	7.72	4.86	3.62	1.89
CALCINARE	CALCINARE	25.486*	Max WS	29.39	153.18	154.90	155.75	157.80	0.047149	7.74	4.82	3.55	1.89
CALCINARE	CALCINARE	25.457*	Max WS	29.39	152.94	154.67	155.52	157.59	0.047109	7.77	4.77	3.47	1.90
CALCINARE	CALCINARE	25.429*	Max WS	29.39	152.69	154.43	155.30	157.39	0.046980	7.79	4.72	3.39	1.89
CALCINARE	CALCINARE	25.400*	Max WS	29.39	152.45	154.20	155.07	157.18	0.046818	7.82	4.68	3.32	1.89
CALCINARE	CALCINARE	25.371*	Max WS	29.39	152.21	153.96	154.84	156.97	0.046600	7.84	4.64	3.25	1.89
CALCINARE	CALCINARE	25.369	Lat Struct										
CALCINARE	CALCINARE	25.343*	Max WS	29.39	151.96	153.73	154.62	156.75	0.046117	7.84	4.60	3.18	1.88
CALCINARE	CALCINARE	25.314*	Max WS	29.39	151.71	153.50	154.39	156.53	0.045479	7.84	4.58	3.11	1.87
CALCINARE	CALCINARE	25.286*	Max WS	29.39	151.46	153.28	154.16	156.29	0.044417	7.81	4.56	3.04	1.86
CALCINARE	CALCINARE	25.257*	Max WS	29.38	151.22	153.06	153.94	156.05	0.043032	7.77	4.56	2.98	1.83
CALCINARE	CALCINARE	25.2295	Lat Struct										
CALCINARE	CALCINARE	25.229*	Max WS	29.38	150.97	152.85	153.71	155.78	0.040973	7.68	4.59	2.93	1.79
CALCINARE	CALCINARE	25.225	Lat Struct										
CALCINARE	CALCINARE	25.200*	Max WS	29.38	150.72	152.65	153.49	155.49	0.038363	7.56	4.64	2.87	1.74
CALCINARE	CALCINARE	25.171*	Max WS	29.38	150.47	152.47	153.26	155.18	0.035079	7.38	4.73	2.82	1.68
CALCINARE	CALCINARE	25.143*	Max WS	29.38	150.23	152.30	153.03	154.86	0.031213	7.15	4.87	2.78	1.59
CALCINARE	CALCINARE	25.114*	Max WS	29.37	149.98	152.16	152.81	154.52	0.027100	6.88	5.05	2.74	1.49
CALCINARE	CALCINARE	25.089	Lat Struct										
CALCINARE	CALCINARE	25.086*	Max WS	29.35	149.73	152.03	152.58	154.19	0.022924	6.56	5.28	2.69	1.39
CALCINARE	CALCINARE	25.057*	Max WS	29.27	149.48	151.93	152.34	153.86	0.018979	6.21	5.54	2.64	1.27
CALCINARE	CALCINARE	25.050	Lat Struct										
CALCINARE	CALCINARE	25.029*	Max WS	29.07	149.24	151.84	152.10	153.55	0.015378	5.84	5.84	2.57	1.16
CALCINARE	CALCINARE	25	Max WS	28.83	148.99	151.77	151.87	153.28	0.012361	5.47	6.16	2.50	1.05
CALCINARE	CALCINARE	24.05	Lat Struct										
CALCINARE	CALCINARE	24	Max WS	28.24	148.60	151.74	151.24	152.21	0.003919	3.30	13.98	7.78	0.60
CALCINARE	CALCINARE	23.50 Ponte su Strada	Bridge										
CALCINARE	CALCINARE	23	Max WS	28.24	148.11	150.09	151.10	153.15	0.040448	7.75	3.65	3.18	1.79
CALCINARE	CALCINARE	22.900	Lat Struct										
CALCINARE	CALCINARE	22.668	Lat Struct										
CALCINARE	CALCINARE	22.667*	Max WS	28.24	148.08	149.96	150.96	152.23	0.032301	6.74	4.74	2.99	1.58
CALCINARE	CALCINARE	22.335	Lat Struct										
CALCINARE	CALCINARE	22.333*	Max WS	28.24	148.01	149.84	150.53	152.14	0.034503	6.78	4.72	3.06	1.63
CALCINARE	CALCINARE	22	Max WS	28.24	147.95	149.72	150.51	152.08	0.037940	6.88	4.65	3.17	1.69
CALCINARE	CALCINARE	21.938*	Max WS	28.23	147.75	149.54	150.35	151.91	0.037436	6.89	4.62	3.09	1.68
CALCINARE	CALCINARE	21.875*	Max WS	28.22	147.55	149.36	150.16	151.74	0.036711	6.89	4.60	3.01	1.67
CALCINARE	CALCINARE	21.813*	Max WS	28.22	147.35	149.18	149.99	151.56	0.035799	6.87	4.58	2.94	1.65
CALCINARE	CALCINARE	21.750*	Max WS	28.22	147.16	149.02	149.80	151.37	0.034633	6.84	4.58	2.87	1.63
CALCINARE	CALCINARE	21.690	Lat Struct										
CALCINARE	CALCINARE	21.689	Lat Struct										
CALCINARE	CALCINARE	21.688*	Max WS	28.22	146.96	148.85	149.63	151.17	0.033148	6.78	4.60	2.80	1.60
CALCINARE	CALCINARE	21.625*	Max WS	28.16	146.76	148.70	149.45	150.95	0.031011	6.68	4.63	2.73	1.56
CALCINARE	CALCINARE	21.563*	Max WS	28.15	146.56	148.56	149.26	150.74	0.028916	6.57	4.68	2.67	1.51
CALCINARE	CALCINARE	21.500*	Max WS	28.15	146.36	148.42	149.09	150.51	0.026427	6.43	4.76	2.60	1.45
CALCINARE	CALCINARE	21.438*	Max WS	28.14	146.16	148.30	148.91	150.29	0.023778	6.26	4.86	2.54	1.39
CALCINARE	CALCINARE	21.375*	Max WS	28.13	145.96	148.19	148.73	150.06	0.021078	6.07	4.98	2.47	1.31
CALCINARE	CALCINARE	21.315	Lat Struct										
CALCINARE	CALCINARE	21.314	Lat Struct										
CALCINARE	CALCINARE	21.313*	Max WS	28.11	145.76	148.10	148.55	149.84	0.018420	5.86	5.12	2.57	1.24
CALCINARE	CALCINARE	21.250*	Max WS	28.09	145.56	148.02	148.37	149.63	0.015950	5.64	5.33	3.25	1.16
CALCINARE	CALCINARE	21.188*	Max WS	28.04	145.37	147.95	148.18	149.43	0.013631	5.40	5.61	3.72	1.08
CALCINARE	CALCINARE	21.125*	Max WS	27.90	145.17	147.89	147.99	149.23	0.011534	5.15	5.97	3.89	1.01
CALCINARE	CALCINARE	21.063*	Max WS	27.62	144.97	147.84	147.79	149.04	0.009597	4.87	6.34	3.79	0.93
CALCINARE	CALCINARE	21	Max WS	27.26	144.77	147.79	147.58	148.86	0.007967	4.60	6.72	3.69	0.85
CALCINARE	CALCINARE	20.335	Lat Struct										
CALCINARE	CALCINARE	20.334	Lat Struct										
CALCINARE	CALCINARE	20.333*	Max WS	27.53	144.63	147.76		148.72	0.006798	4.37	7.37	3.38	0.79
CALCINARE	CALCINARE	19.667*	Max WS	26.54	144.47	147.73	147.12	148.53	0.005365	3.98	7.80	3.06	0.71
CALCINARE	CALCINARE	19.2	Bridge										
CALCINARE	CALCINARE	19	Max WS	26.54	144.28	146.66	146.93	148.23	0.016563	5.56	5.09	2.60	1.17
CALCINARE	CALCINARE	18.752	Lat Struct										
CALCINARE	CALCINARE	18.750*	Max WS	26.45	144.12	146.59	146.95	148.36	0.017640	5.92	4.90	2.33	1.22
CALCINARE	CALCINARE	18.500*	Max WS	26.41	143.95	146.52	146.98	148.58	0.019548	6.41	4.72	2.21	1.30
CALCINARE	CALCINARE	18.250*	Max WS	26.32	143.79	146.43	147.10	148.95	0.022857	7.11	4.43	2.04	1.41
CALCINARE	CALCINARE	18	Max WS	26.20	143.63	146.33	147.28	149.59	0.028728	8.13	4.03	1.85	1.59
CALCINARE	CALCINARE	17.952	Lat Struct										
CALCINARE	CALCINARE	17.950*	Max WS	26.03	143.53	146.19	147.10	149.33	0.028172	7.96	4.04	1.86	1.57
CALCINARE	CALCINARE	17.900*	Max WS	25.86	143.44	146.06	146.93	149.09	0.027647	7.81	4.02	1.87	1.55
CALCINARE	CALCINARE	17.851	Lat Struct										
CALCINARE	CALCINARE	17.850*	Max WS	25.70	143.34	145.92	146.76	148.84	0.027068	7.66	4.03	1.89	1.53
CALCINARE	CALCINARE	17.800*	Max WS	25.54	143.25	145.79	146.59	148.60	0.026497	7.51	4.03	1.90	1.51
CALCINARE	CALCINARE	17.750*	Max WS	25.37	143.15	145.66	146.42	148.37	0.025864	7.36	4.04	1.92	1.49
CALCINARE	CALCINARE	17.700*	Max WS	25.20	143.06	145.54	146.25	148.13	0.025121	7.19	4.06	1.94	1.47
CALCINARE	CALCINARE	17.655	Lat Struct										
CALCINARE	CALCINARE	17.650*	Max WS	25.03	142.96	145.42	146.08	147.90	0.024308	7.03	4.08	1.96	1.44
CALCINARE	CALCINARE	17.600*	Max WS	24.83	142.87	145.30	145.92	147.67	0.023381	6.86	4.11	1.98	1.41
CALCINARE	CALCINARE	17.551	Lat Struct										
CALCINARE	CALCINARE	17.550*	Max WS	24.63	142.77	145.19	145.76	147.44	0.022352	6.68	4.15	2.00	1.38
CALCINARE	CALCINARE	17.500*	Max WS	24.40	142.68	145.08	145.59	147.21	0.021203	6.49	4.20	2.02	1.34
CALCINARE	CALCINARE	17.450*	Max WS	24.14	142.58	144.98	145.43	146.98	0.019908	6.28	4.27	2.04	1.30
CALCINARE	CALCINARE	17.400*	Max WS	23.85	142.48	144.89	145.27	146.74	0.018465	6.05	4.34	2.06	1.25
CALCINARE	CALCINARE	17.355	Lat Struct										
CALCINARE	CALCINARE	17.350*	Max WS	23.85	142.39	144.80	145.13	146.56	0.017432	5.90	4.43	2.08	1.22
CALCINARE	CALCINARE	17.300*	Max WS	23.85	142.29	144.72	144.99	146.38	0.016326	5.73	4.53	2.10	1.18
CALCINARE	CALCINARE	17.251	Lat Struct										
CALCINARE	CALCINARE	17.250*	Max WS	23.85	142.20	144.64	144.86	146.21	0.015214	5.56	4.64	2.12	1.14
CALCINARE	CALCINARE	17.200*	Max WS	23.85	142.10	144.57	144.73	146.04	0.014058	5.38	4.77	2.14	1.10
CALCINARE	CALCINARE	17.150*	Max WS	23.85	142.01</								

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
CALCINARE	CALCINARE	16	Max WS	19.77	141.35	144.13		144.55	0.020748	2.87	6.94	2.52	0.55
CALCINARE	CALCINARE	15.50	Opera intubata s	Culvert									
CALCINARE	CALCINARE	15	Max WS	19.77	139.22	141.01	141.14	142.09	0.035706	4.60	4.30	12.43	1.10
CALCINARE	CALCINARE	14.22		Lat Struct									
CALCINARE	CALCINARE	14.2		Lat Struct									
CALCINARE	CALCINARE	14	Max WS	19.75	139.20	140.93	141.31	141.98	0.038905	4.61	4.95	8.39	1.14
CALCINARE	CALCINARE	13.805		Lat Struct									
CALCINARE	CALCINARE	13.802		Lat Struct									
CALCINARE	CALCINARE	13.800*	Max WS	19.45	139.03	140.76	141.08	141.70	0.034914	4.38	5.16	6.85	1.08
CALCINARE	CALCINARE	13.600*	Max WS	19.21	138.86	140.60	140.84	141.45	0.030516	4.14	5.46	7.05	1.01
CALCINARE	CALCINARE	13.400*	Max WS	18.99	138.69	140.47	140.60	141.21	0.025748	3.87	5.83	7.15	0.94
CALCINARE	CALCINARE	13.200*	Max WS	18.77	138.52	140.36	140.35	140.99	0.020893	3.58	6.29	7.07	0.85
CALCINARE	CALCINARE	13	Max WS	18.56	138.32	140.27	140.12	140.80	0.016426	3.28	6.80	6.68	0.76
CALCINARE	CALCINARE	12.750*	Max WS	18.32	138.01	140.20		140.65	0.012552	3.11	7.69	5.86	0.68
CALCINARE	CALCINARE	12.502		Lat Struct									
CALCINARE	CALCINARE	12.501		Lat Struct									
CALCINARE	CALCINARE	12.500*	Max WS	18.05	137.71	140.19		140.57	0.009556	2.96	8.49	5.02	0.60
CALCINARE	CALCINARE	12.250*	Max WS	18.10	137.40	140.14		140.54	0.008882	3.07	8.73	4.19	0.59
CALCINARE	CALCINARE	12	Max WS	18.53	137.09	140.02		140.53	0.010898	3.55	8.31	3.35	0.66
CALCINARE	CALCINARE	11	Max WS	18.65	137.07	139.94	139.24	140.55	0.013076	3.84	7.54	3.01	0.72
CALCINARE	CALCINARE	10.50	Ponte su Via del	Bridge									
CALCINARE	CALCINARE	10	Max WS	18.65	137.01	138.57	138.62	139.41	0.034367	4.04	4.61	7.13	1.05
CALCINARE	CALCINARE	9.5		Lat Struct									
CALCINARE	CALCINARE	9.2		Lat Struct									
CALCINARE	CALCINARE	9	Max WS	18.72	136.99	138.52		138.98	0.023007	3.26	7.33	6.89	0.86
CALCINARE	CALCINARE	8.9000*	Max WS	18.77	136.82	138.41		138.87	0.022655	3.31	7.35	6.78	0.86
CALCINARE	CALCINARE	8.8000*	Max WS	18.76	136.66	138.30		138.77	0.022238	3.36	7.38	6.68	0.85
CALCINARE	CALCINARE	8.7000*	Max WS	18.75	136.49	138.18		138.66	0.021929	3.41	7.40	6.59	0.85
CALCINARE	CALCINARE	8.6000*	Max WS	18.74	136.32	138.08		138.56	0.021710	3.48	7.43	6.52	0.85
CALCINARE	CALCINARE	8.5000*	Max WS	18.72	136.16	137.97		138.46	0.021588	3.54	7.45	6.33	0.86
CALCINARE	CALCINARE	8.405		Lat Struct									
CALCINARE	CALCINARE	8.402		Lat Struct									
CALCINARE	CALCINARE	8.4000*	Max WS	18.64	135.99	137.86		138.36	0.021523	3.61	7.45	6.11	0.86
CALCINARE	CALCINARE	8.3000*	Max WS	18.46	135.82	137.75		138.26	0.021372	3.68	7.44	5.88	0.86
CALCINARE	CALCINARE	8.2000*	Max WS	18.13	135.65	137.66		138.16	0.020908	3.73	7.44	5.66	0.85
CALCINARE	CALCINARE	8.1000*	Max WS	17.63	135.49	137.57		138.05	0.019929	3.73	7.47	5.46	0.84
CALCINARE	CALCINARE	8	Max WS	16.38	135.32	137.52		137.93	0.016815	3.54	7.62	5.29	0.77
CALCINARE	CALCINARE	7.8000*	Max WS	15.51	135.26	137.54		137.81	0.011277	2.99	8.72	5.77	0.64
CALCINARE	CALCINARE	7.650		Lat Struct									
CALCINARE	CALCINARE	7.61		Lat Struct									
CALCINARE	CALCINARE	7.6000*	Max WS	14.62	135.20	137.57		137.75	0.007494	2.52	9.94	6.20	0.53
CALCINARE	CALCINARE	7.4000*	Max WS	13.68	135.13	137.59		137.71	0.005032	2.13	11.20	6.64	0.44
CALCINARE	CALCINARE	7.2000*	Max WS	12.67	135.07	137.61		137.69	0.003380	1.79	12.50	7.07	0.36
CALCINARE	CALCINARE	7	Max WS	11.47	135.01	137.63		137.68	0.002202	1.48	13.83	7.50	0.29
CALCINARE	CALCINARE	6.5000*	Max WS	10.42	134.99	137.63		137.68	0.001593	1.25	13.96	7.50	0.25
CALCINARE	CALCINARE	6	Max WS	9.20	134.97	137.64		137.68	0.001088	1.03	14.17	7.50	0.20
CALCINARE	CALCINARE	5.50	Opera intubata v	Culvert									
CALCINARE	CALCINARE	5	Max WS	8.17	134.65	136.53		136.63	0.005315	1.83	7.73	6.94	0.43
CALCINARE	CALCINARE	4.5		Lat Struct									
CALCINARE	CALCINARE	4.3		Lat Struct									
CALCINARE	CALCINARE	4	Max WS	8.10	134.60	136.53		136.62	0.004632	1.75	8.01	6.74	0.40
CALCINARE	CALCINARE	3.7500*	Max WS	7.89	134.52	136.53		136.60	0.003416	1.54	8.89	7.12	0.35
CALCINARE	CALCINARE	3.5000*	Max WS	7.54	134.42	136.53		136.58	0.002447	1.33	9.82	7.50	0.30
CALCINARE	CALCINARE	3.2500*	Max WS	6.99	134.32	136.54		136.57	0.001667	1.12	10.81	7.87	0.24
CALCINARE	CALCINARE	3	Max WS	6.06	134.22	136.55		136.57	0.001001	0.89	11.86	8.25	0.19
CALCINARE	CALCINARE	2.9855*	Max WS	5.82	134.20	136.55		136.57	0.000879	0.84	12.03	8.23	0.18
CALCINARE	CALCINARE	2.9710*	Max WS	5.57	134.18	136.55		136.57	0.000768	0.79	12.20	8.20	0.17
CALCINARE	CALCINARE	2.9565*	Max WS	5.31	134.16	136.55		136.57	0.000668	0.74	12.37	8.18	0.15
CALCINARE	CALCINARE	2.9420*	Max WS	5.05	134.13	136.56		136.57	0.000576	0.69	12.54	8.16	0.14
CALCINARE	CALCINARE	2.9275*	Max WS	4.78	134.11	136.56		136.57	0.000495	0.64	12.70	8.13	0.13
CALCINARE	CALCINARE	2.9130*	Max WS	4.51	134.09	136.56		136.57	0.000421	0.60	12.86	8.11	0.12
CALCINARE	CALCINARE	2.8986*	Max WS	4.23	134.07	136.56		136.57	0.000355	0.55	13.03	8.09	0.11
CALCINARE	CALCINARE	2.8841*	Max WS	3.94	134.05	136.56		136.57	0.000297	0.51	13.18	8.06	0.10
CALCINARE	CALCINARE	2.8696*	Max WS	3.65	134.03	136.56		136.57	0.000244	0.46	13.34	8.04	0.09
CALCINARE	CALCINARE	2.8551*	Max WS	3.36	134.01	136.56		136.57	0.000199	0.42	13.50	8.01	0.09
CALCINARE	CALCINARE	2.8408		Lat Struct									
CALCINARE	CALCINARE	2.8407		Lat Struct									
CALCINARE	CALCINARE	2.8406*	Max WS	3.10	133.98	136.57		136.57	0.000162	0.38	13.65	7.99	0.08
CALCINARE	CALCINARE	2.8261*	Max WS	2.82	133.96	136.57		136.57	0.000129	0.34	13.81	7.97	0.07
CALCINARE	CALCINARE	2.8116*	Max WS	2.52	133.94	136.57		136.57	0.000100	0.30	13.96	7.94	0.06
CALCINARE	CALCINARE	2.7971*	Max WS	2.21	133.92	136.57		136.57	0.000073	0.26	14.10	7.92	0.05
CALCINARE	CALCINARE	2.7859		Lat Struct									
CALCINARE	CALCINARE	2.7858		Lat Struct									
CALCINARE	CALCINARE	2.7826*	Max WS	1.88	133.90	136.57		136.57	0.000052	0.22	14.25	7.90	0.04
CALCINARE	CALCINARE	2.7681*	Max WS	1.56	133.88	136.57		136.57	0.000034	0.18	14.40	7.87	0.04
CALCINARE	CALCINARE	2.7536*	Max WS	1.23	133.86	136.57		136.57	0.000020	0.14	14.54	7.85	0.03
CALCINARE	CALCINARE	2.7391*	Max WS	0.89	133.83	136.57		136.57	0.000010	0.10	14.69	7.83	0.02
CALCINARE	CALCINARE	2.7246*	Max WS	0.56	133.81	136.57		136.57	0.000004	0.06	14.83	7.80	0.01
CALCINARE	CALCINARE	2.7101*	Max WS	0.22	133.79	136.57		136.57	0.000001	0.02	14.97	7.78	0.00
CALCINARE	CALCINARE	2.6957*	Max WS	-0.12	133.77	136.57		136.57	0.000000	-0.01	15.10	7.75	0.00
CALCINARE	CALCINARE	2.6812*	Max WS	-0.47	133.75	136.57		136.57	0.000003	-0.05	15.24	7.73	0.01
CALCINARE	CALCINARE	2.6667*	Max WS	-0.82	133.73	136.57		136.57	0.000007	-0.09	15.37	7.71	0.02
CALCINARE	CALCINARE	2.6522*	Max WS	-1.17	133.71	136.57		136.57	0.000015	-0.12	15.51	7.68	0.02
CALCINARE	CALCINARE	2.6377*	Max WS	-1.52	133.68	136.57		136.57	0.000024	-0.16	15.64	7.66	0.03
CALCINARE	CALCINARE	2.6232*	Max WS	-1.88	133.66	136.57		136.57	0.000036	-0.20	15.77	7.64	0.04
CALCINARE	CALCINARE	2.6087*	Max WS	-2.36	133.64	136.57		136.57	0.000055	-0.24	15.90	7.61	0.05
CALCINARE	CALCINARE	2.5942*	Max WS	-2.73	133.62	136.57		136.57	0.000071	-0.28	16.02	7.59	0.05
CALCINARE	CALCINARE	2.5797*	Max WS	-3.10	133.60	136.56		136.57	0.000089	-0.31	16.15	7.57	0.06
CALCINARE	CALCINARE	2.5652*	Max WS	-3.47	133.58	136.56		136.57	0.000109	-0.35	16.27	7.54	0.07
CALCINARE	CALCINARE	2.5507*	Max WS	-3.84	133.56	136.56		136.57	0.000130	-0.38	16.39	7.52	0.07
CALCINARE	CALCINARE	2.5362*	Max WS	-4.21	133.53	136.56		136.57	0.000152	-0.41	16.51	7.49	0.08
CALCINARE	CALCINARE	2.5217*	Max WS	-4.59	133.51	136.56		136.57	0.000175	-0.45	16.63	7.47	0.08
CALCINARE	CALCINARE	2.5072*	Max WS	-4.96	133.49	136.56		136.57	0.000199	-0.48	16.75	7.45	0.09
CALCINARE	CALCINARE	2.4928*	Max WS	-5.33	133.47	136.56		136.56	0.000225	-0.51	16.86	7.42	0.09
CALCINARE	CALCINARE	2.4783*	Max WS	-5.72	133.45	136.55		136.56	0.000251	-0.54	16.98	7.40	0.10
CALCINARE	CALCINARE	2.4638*	Max WS	-6.10	133.43	136.55		136.56	0.000279	-0.57	17.09	7.38	0.11
CALCINARE	CALCINARE	2.4493*	Max WS	-6.48	133.40	136.55		136.56	0.000307	-0.60	17.20	7.35	0.11
CALCINARE	CALCINARE	2.4348*	Max WS										

HEC-RAS Plan: S1 TR500** Profile: Max WS (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
CALCINARE	CALCINARE	2.3478*	Max WS	-9.27	133.25	136.54		136.56	0.000531	-0.82	17.96	7.19	0.15
CALCINARE	CALCINARE	2.3333*	Max WS	-9.65	133.23	136.54		136.56	0.000562	-0.84	18.06	7.16	0.15
CALCINARE	CALCINARE	2.3188*	Max WS	-10.01	133.21	136.53		136.56	0.000591	-0.87	18.17	7.14	0.15
CALCINARE	CALCINARE	2.3043*	Max WS	-10.36	133.19	136.53		136.56	0.000619	-0.89	18.27	7.12	0.16
CALCINARE	CALCINARE	2.2899*	Max WS	-10.71	133.17	136.53		136.56	0.000646	-0.91	18.38	7.09	0.16
CALCINARE	CALCINARE	2.2754*	Max WS	-11.04	133.15	136.53		136.56	0.000672	-0.94	18.48	7.07	0.17
CALCINARE	CALCINARE	2.2609*	Max WS	-11.37	133.13	136.53		136.56	0.000696	-0.96	18.58	7.05	0.17
CALCINARE	CALCINARE	2.2464*	Max WS	-11.67	133.10	136.52		136.56	0.000718	-0.97	18.68	7.02	0.17
CALCINARE	CALCINARE	2.2319*	Max WS	-11.96	133.08	136.52		136.56	0.000736	-0.99	18.79	7.00	0.17
CALCINARE	CALCINARE	2.2174*	Max WS	-12.22	133.06	136.52		136.56	0.000752	-1.01	18.89	6.97	0.18
CALCINARE	CALCINARE	2.2029*	Max WS	-12.46	133.04	136.52		136.56	0.000765	-1.02	18.99	6.95	0.18
CALCINARE	CALCINARE	2.1884*	Max WS	-12.69	133.02	136.52		136.56	0.000776	-1.03	19.09	6.93	0.18
CALCINARE	CALCINARE	2.1739*	Max WS	-12.90	133.00	136.52		136.56	0.000784	-1.04	19.20	6.90	0.18
CALCINARE	CALCINARE	2.1594*	Max WS	-13.09	132.98	136.52		136.56	0.000790	-1.05	19.31	6.88	0.18
CALCINARE	CALCINARE	2.1449*	Max WS	-13.27	132.95	136.52		136.56	0.000794	-1.05	19.41	6.86	0.18
CALCINARE	CALCINARE	2.1304*	Max WS	-13.45	132.93	136.52		136.56	0.000797	-1.06	19.51	6.83	0.18
CALCINARE	CALCINARE	2.1159*	Max WS	-13.61	132.91	136.52		136.56	0.000799	-1.07	19.61	6.81	0.18
CALCINARE	CALCINARE	2.1015*	Max WS	-13.77	132.89	136.52		136.56	0.000800	-1.07	19.71	6.78	0.18
CALCINARE	CALCINARE	2.0870*	Max WS	-13.92	132.87	136.51		136.56	0.000800	-1.07	19.82	6.76	0.18
CALCINARE	CALCINARE	2.0725*	Max WS	-14.06	132.85	136.51		136.56	0.000799	-1.08	19.92	6.74	0.18
CALCINARE	CALCINARE	2.0580*	Max WS	-14.20	132.83	136.51		136.56	0.000798	-1.08	20.02	6.71	0.18
CALCINARE	CALCINARE	2.0435*	Max WS	-14.33	132.80	136.51		136.56	0.000795	-1.08	20.12	6.69	0.18
CALCINARE	CALCINARE	2.0290*	Max WS	-14.44	132.78	136.51		136.56	0.000791	-1.08	20.22	6.67	0.18
CALCINARE	CALCINARE	2.0145*	Max WS	-14.55	132.76	136.51		136.56	0.000786	-1.09	20.32	6.64	0.18
CALCINARE	CALCINARE	2	Max WS	-14.65	132.74	136.51		136.56	0.000779	-1.09	20.42	6.62	0.18
CALCINARE	CALCINARE	1.9093		Lat Struct									
CALCINARE	CALCINARE	1.9091*	Max WS	-14.73	132.72	136.51		136.56	0.000775	-1.09	20.70	6.81	0.18
CALCINARE	CALCINARE	1.8182*	Max WS	-14.82	132.71	136.51		136.56	0.000778	-1.10	20.92	7.01	0.18
CALCINARE	CALCINARE	1.7273*	Max WS	-14.52	132.69	136.51		136.56	0.000744	-1.08	21.09	7.20	0.18
CALCINARE	CALCINARE	1.6669		Lat Struct									
CALCINARE	CALCINARE	1.6668		Lat Struct									
CALCINARE	CALCINARE	1.6364*	Max WS	-14.60	132.67	136.51		136.56	0.000753	-1.10	21.21	7.40	0.18
CALCINARE	CALCINARE	1.5455*	Max WS	-14.68	132.65	136.51		136.56	0.000766	-1.11	21.27	7.59	0.18
CALCINARE	CALCINARE	1.4545*	Max WS	-14.74	132.64	136.51		136.56	0.000782	-1.13	21.29	7.78	0.19
CALCINARE	CALCINARE	1.3636*	Max WS	-14.80	132.62	136.51		136.56	0.000800	-1.15	21.25	7.98	0.19
CALCINARE	CALCINARE	1.2727*	Max WS	-14.82	132.60	136.51		136.56	0.000815	-1.17	21.17	8.17	0.19
CALCINARE	CALCINARE	1.1818*	Max WS	-14.83	132.58	136.51		136.56	0.000832	-1.19	21.04	8.36	0.19
CALCINARE	CALCINARE	1.0909*	Max WS	-14.43	132.57	136.51		136.56	0.000803	-1.17	20.85	8.56	0.19
CALCINARE	CALCINARE	1	Max WS	-14.44	132.55	136.51		136.56	0.000820	-1.19	20.61	8.75	0.19