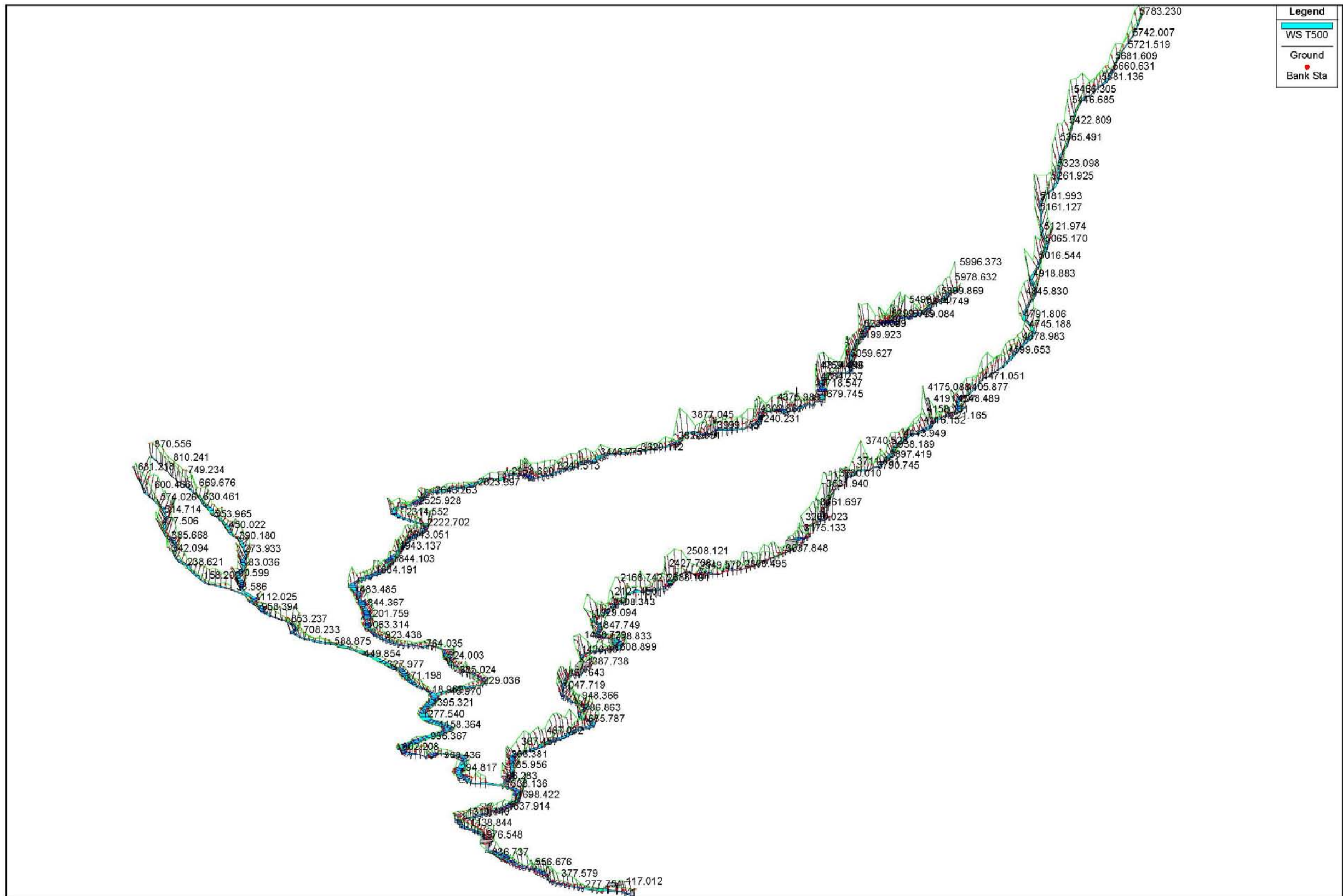


- 3.5.- Cuenca 1. Arroyo de Las Cañas. T=500 años
 - 3.5.1.- Vista 3D arroyo
 - 3.5.2.- Perfil longitudinal
 - 3.5.2.1.- Arroyo de Las Cañas
 - 3.5.2.2.- Arroyo de la Salud
 - 3.5.2.3.- Arroyo Pachurraco
 - 3.5.3.- Perfiles transversales
 - 3.5.3.1.- Arroyo de Las Cañas
 - 3.5.3.2.- Arroyo de la Salud
 - 3.5.3.3.- Arroyo Pachurraco
 - 3.5.4.- Tablas de resultados
 - 3.5.4.1.- Arroyo de Las Cañas
 - 3.5.4.2.- Arroyo de la Salud
 - 3.5.4.3.- Arroyo Pachurraco

3.5.1.- Vista 3D arroyo



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

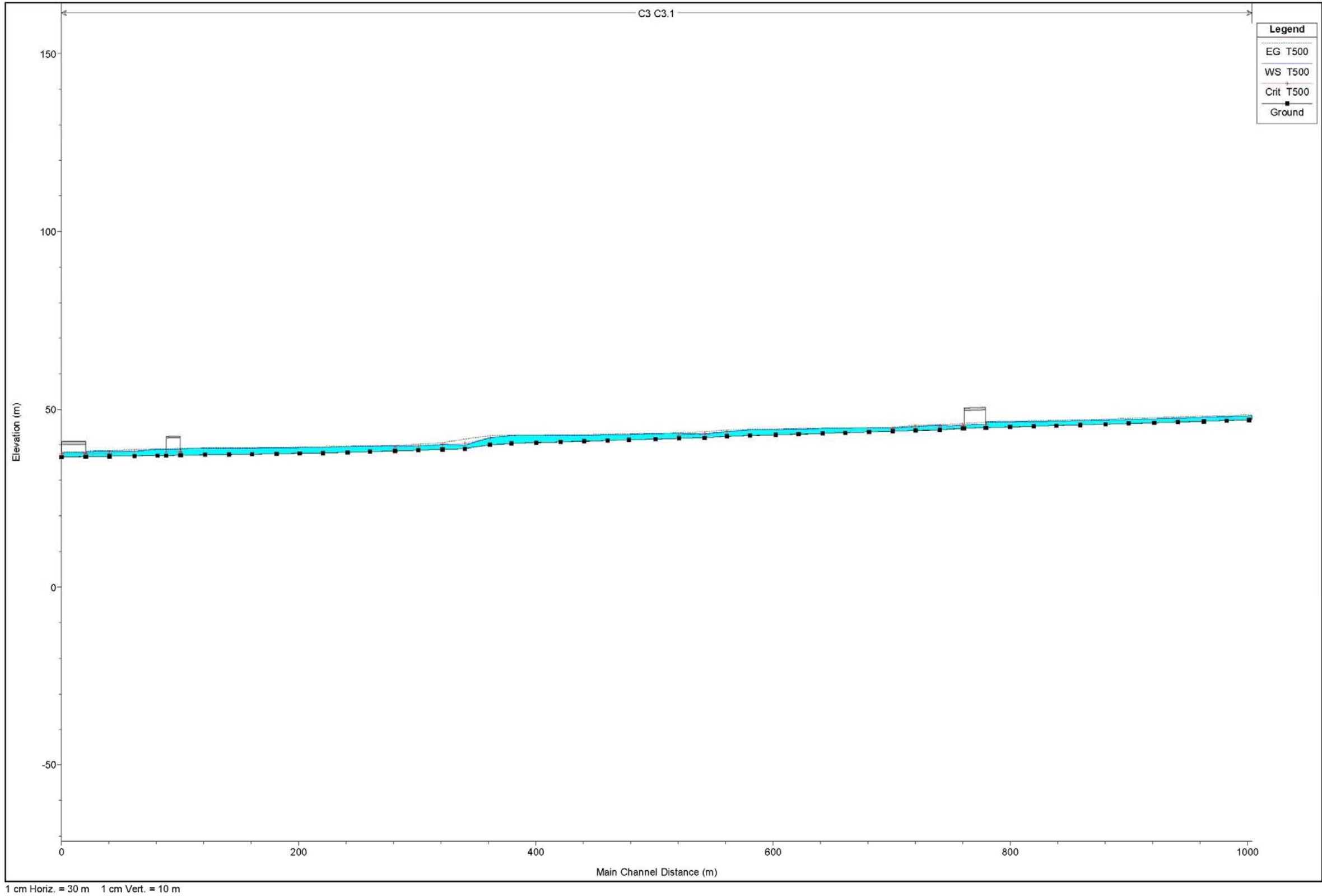
3.5.2.- Perfil longitudinal

3.5.2.1.- Arroyo de Las Cañas

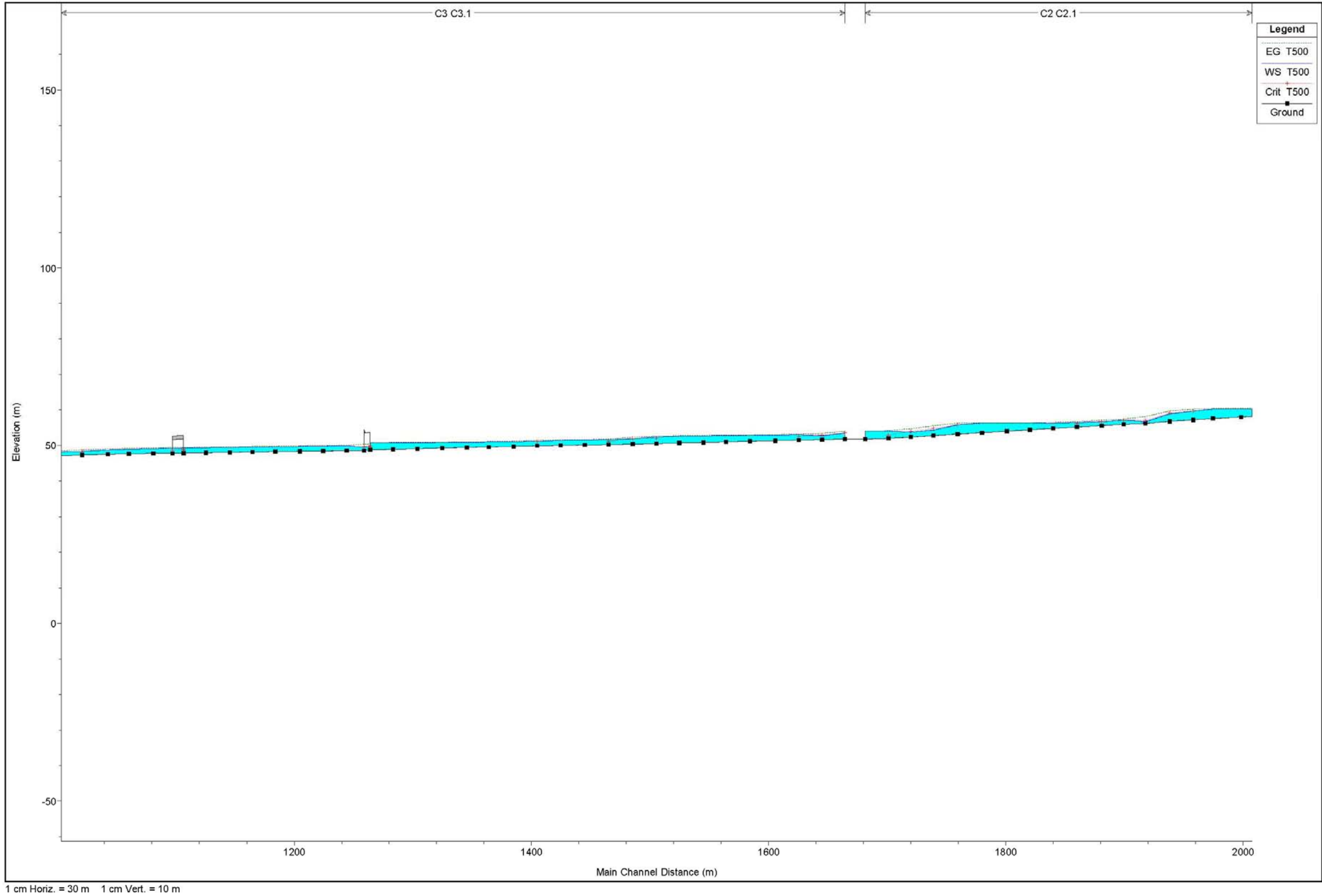
3.5.2.2.- Arroyo de la Salud

3.5.2.3.- Arroyo Pachurraco

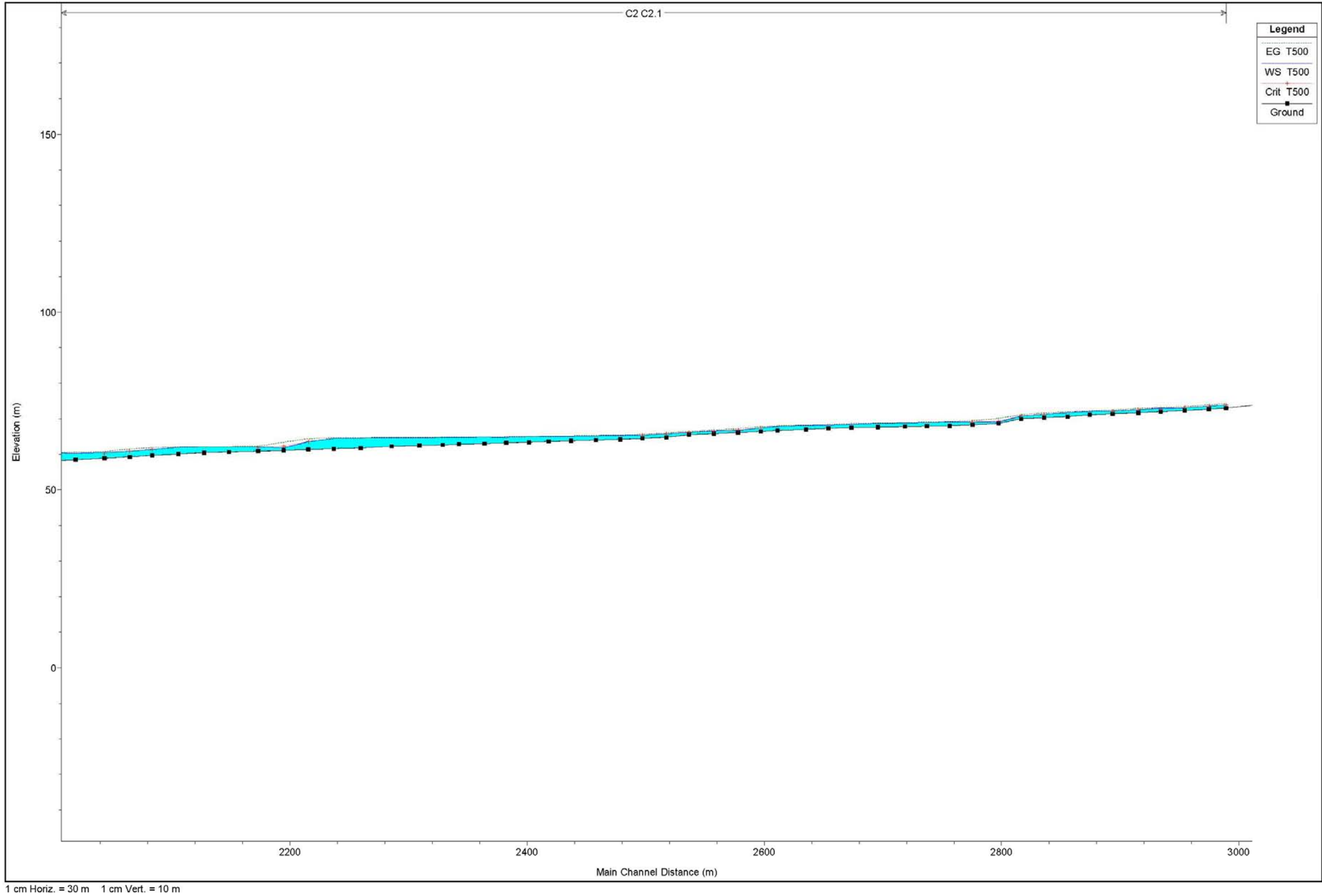
3.5.2.1.- Arroyo de Las Cañas



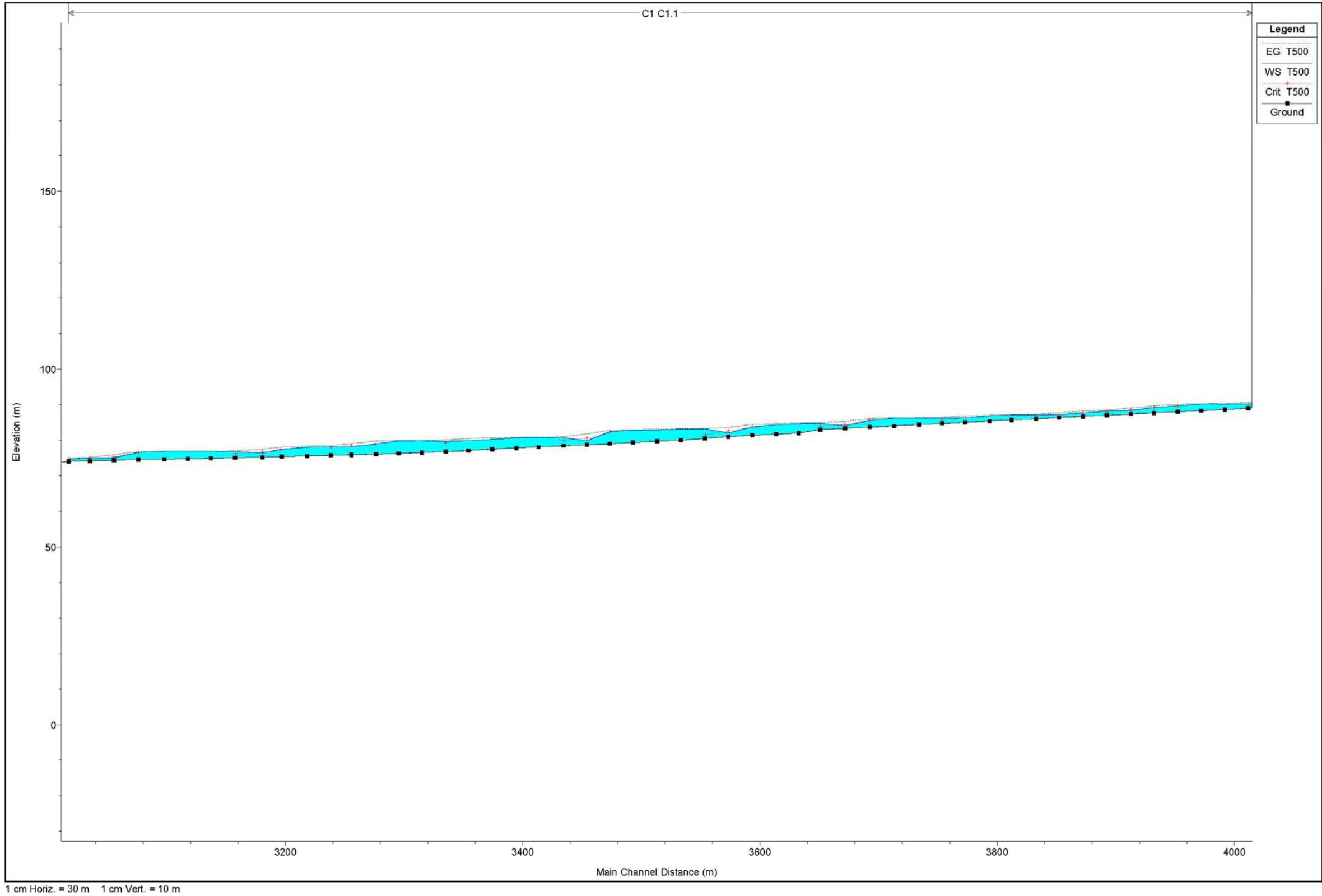
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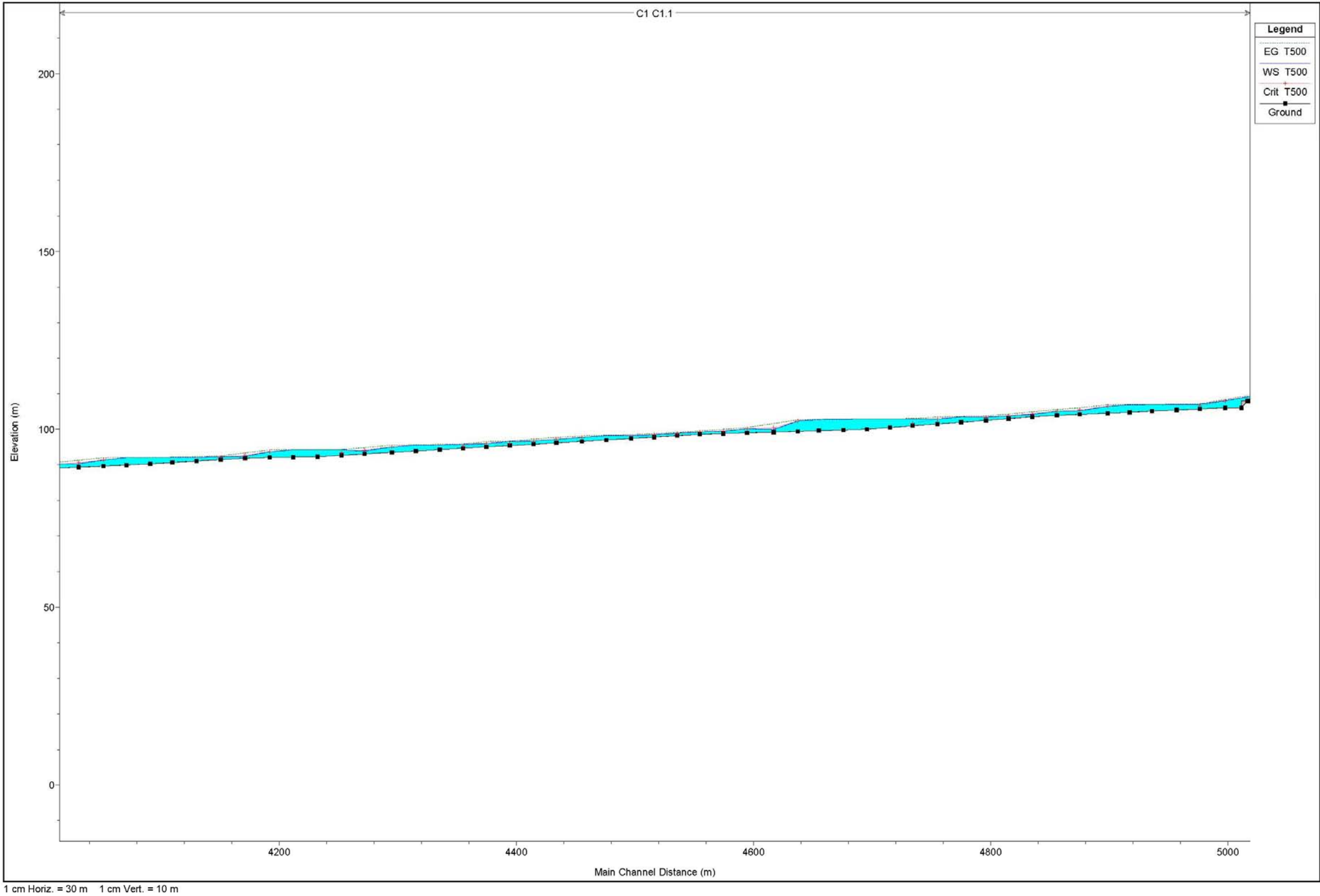
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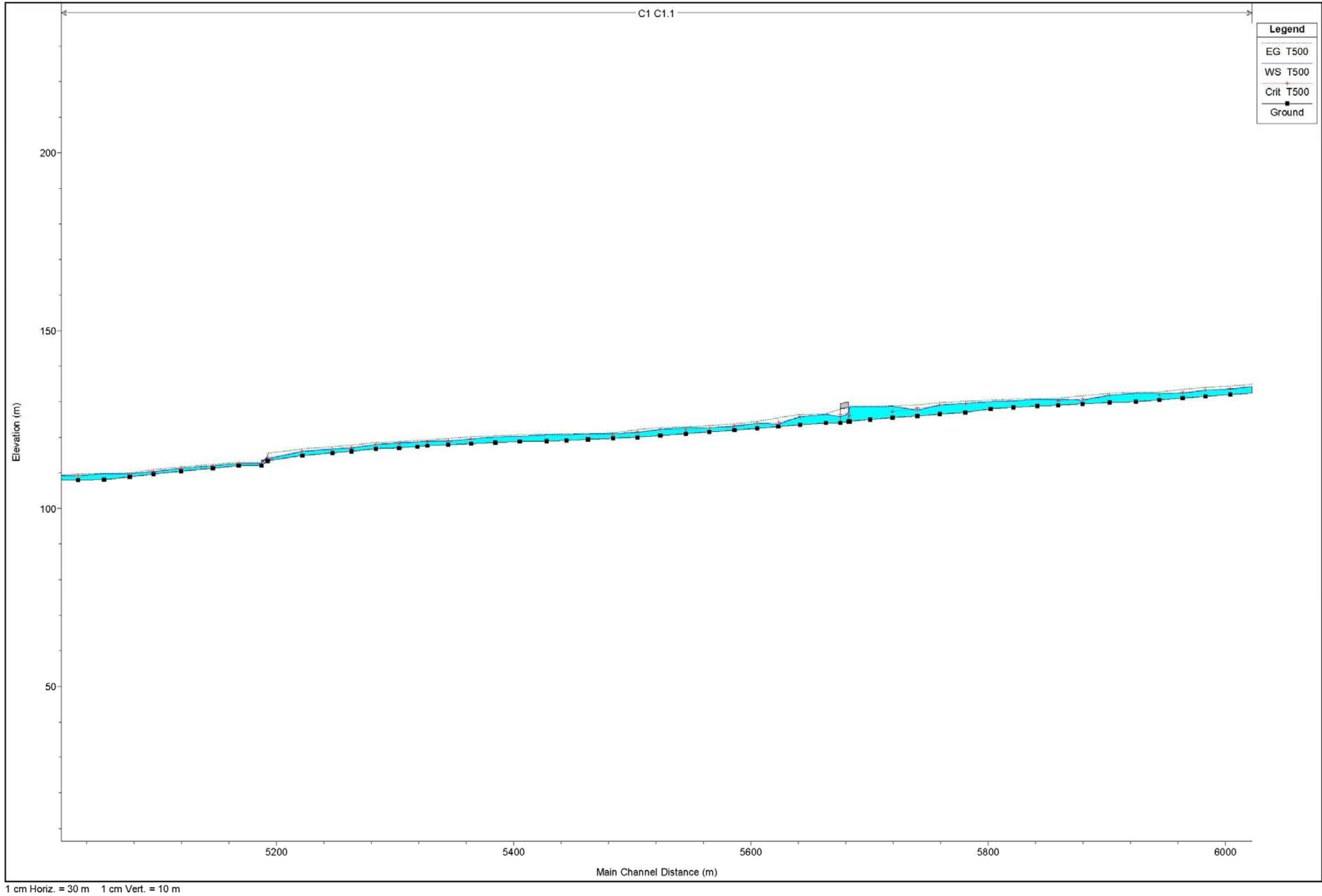
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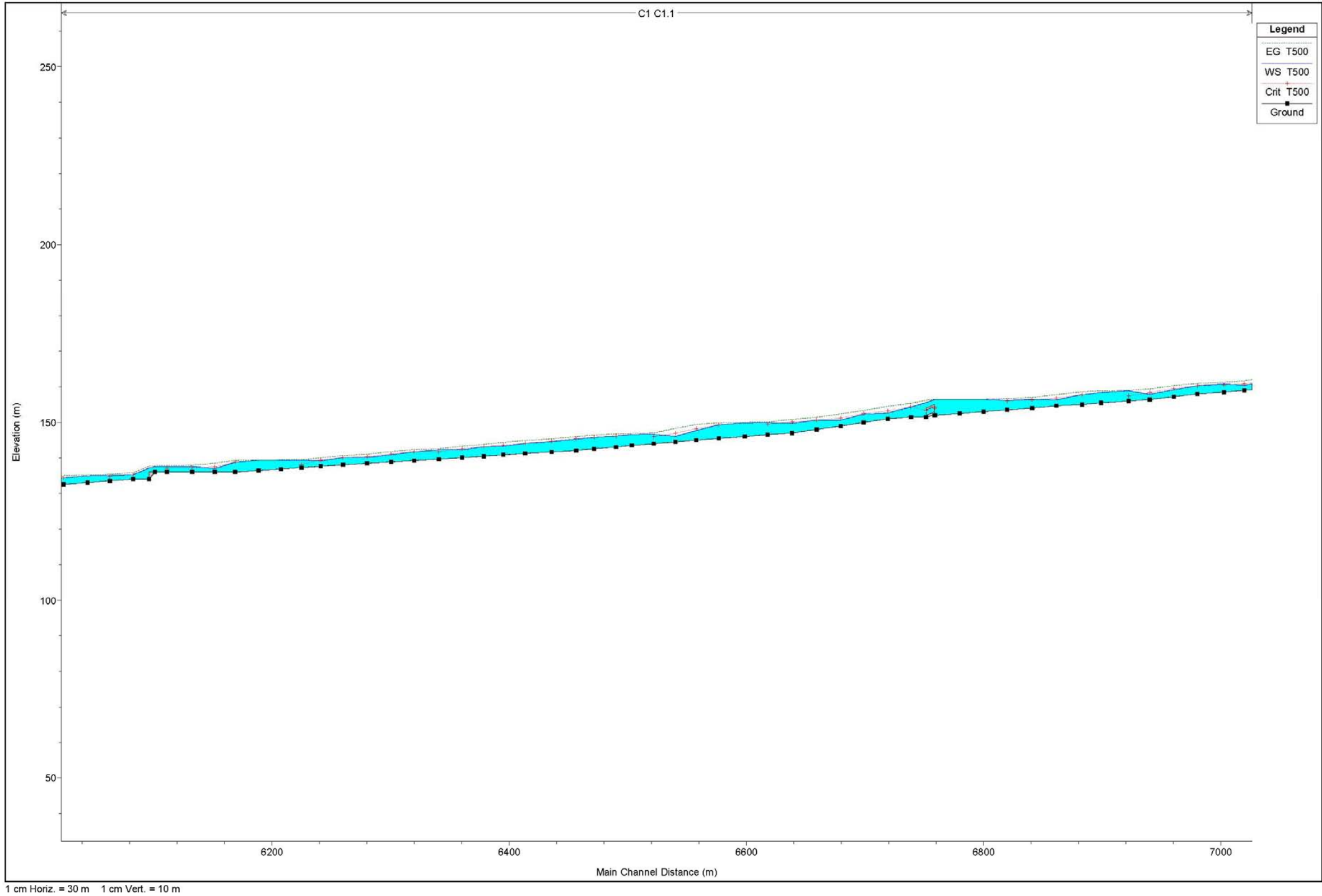
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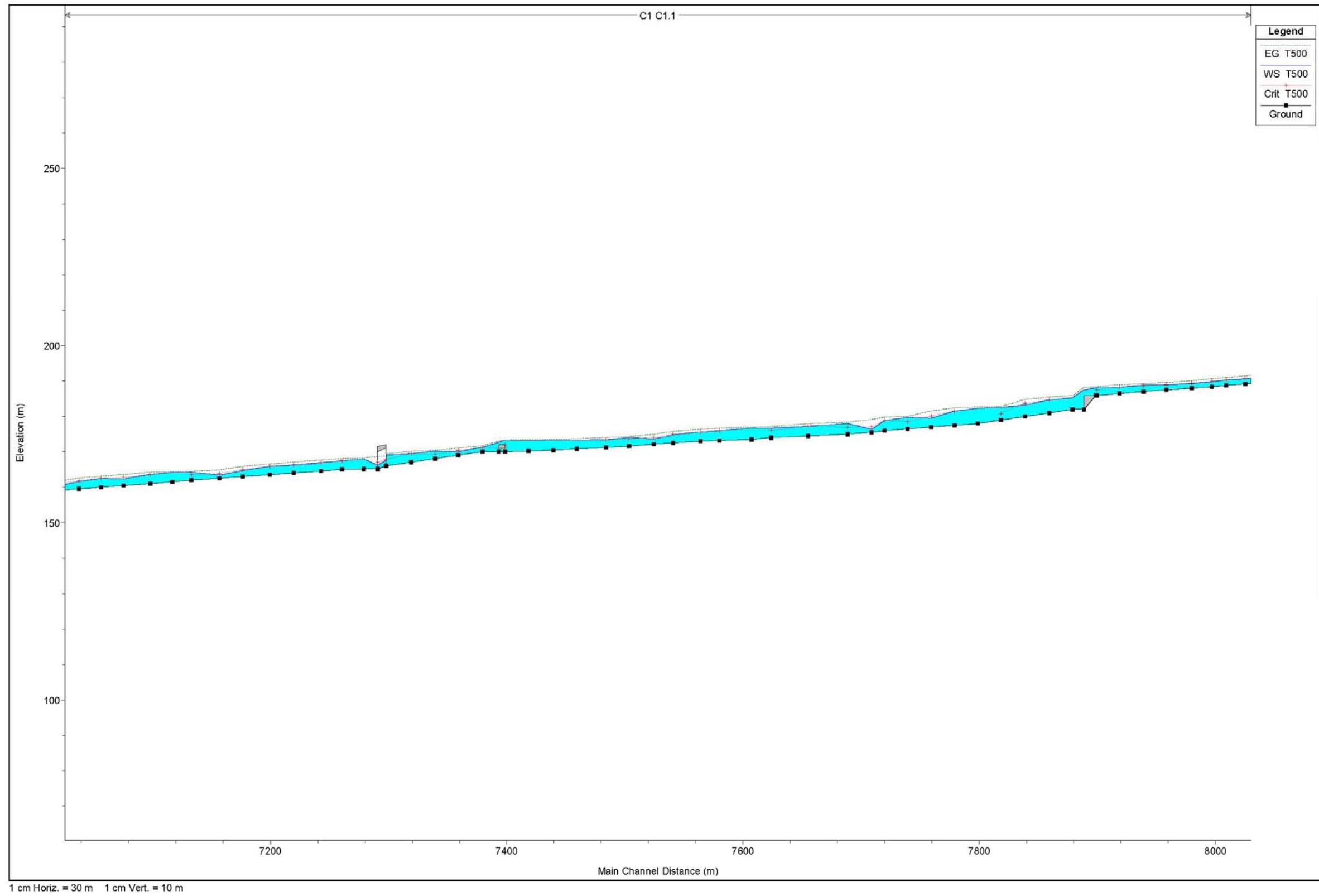
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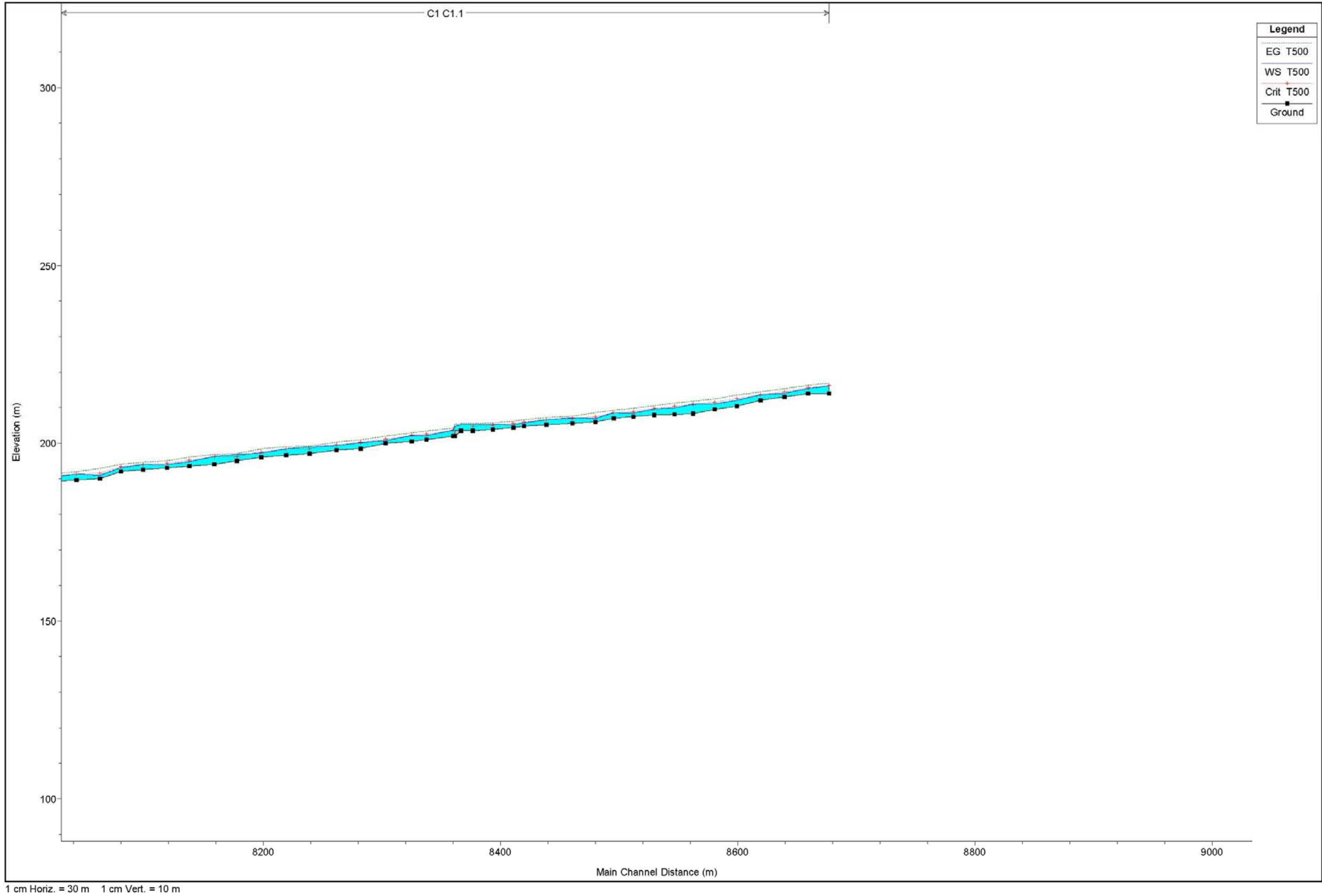
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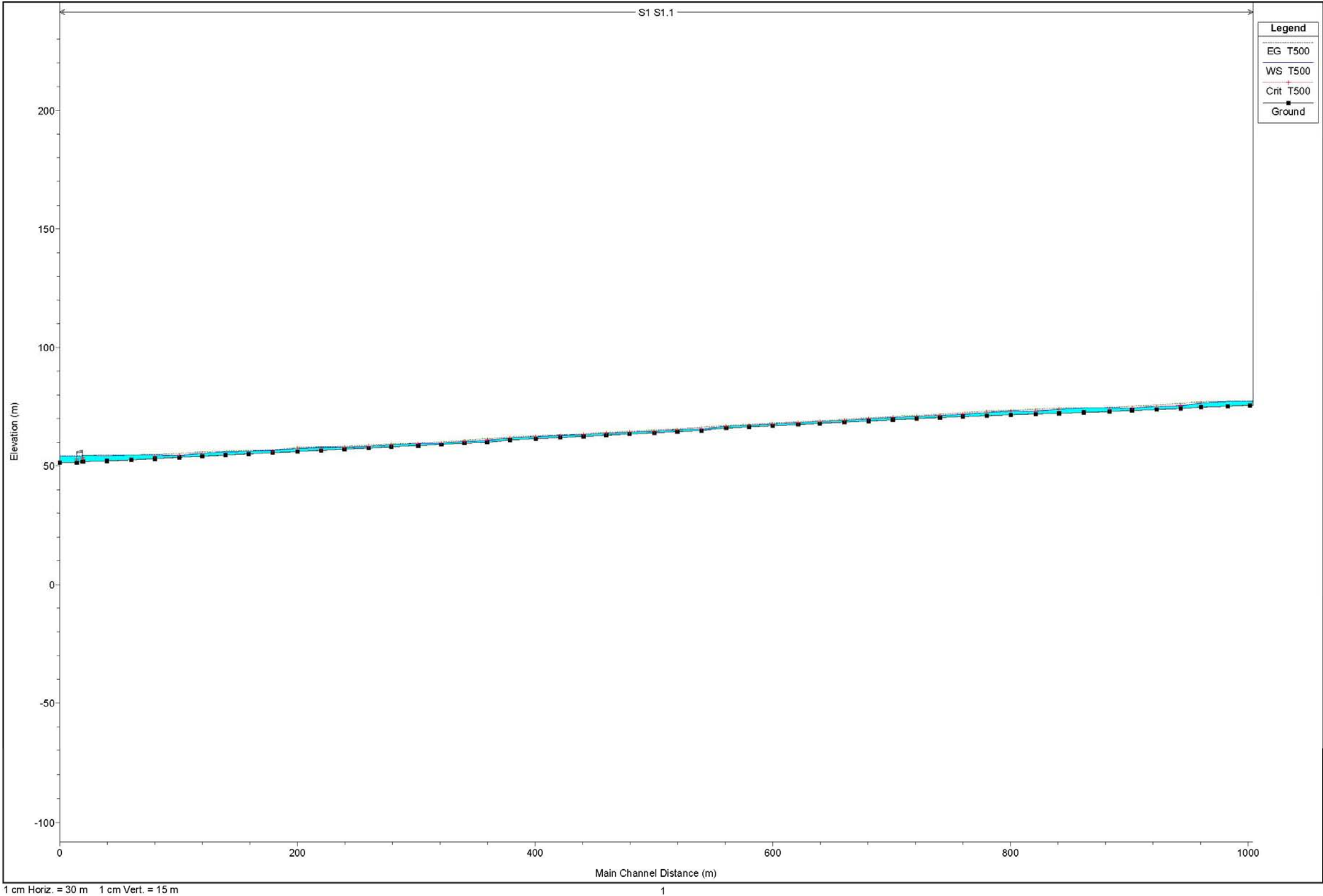


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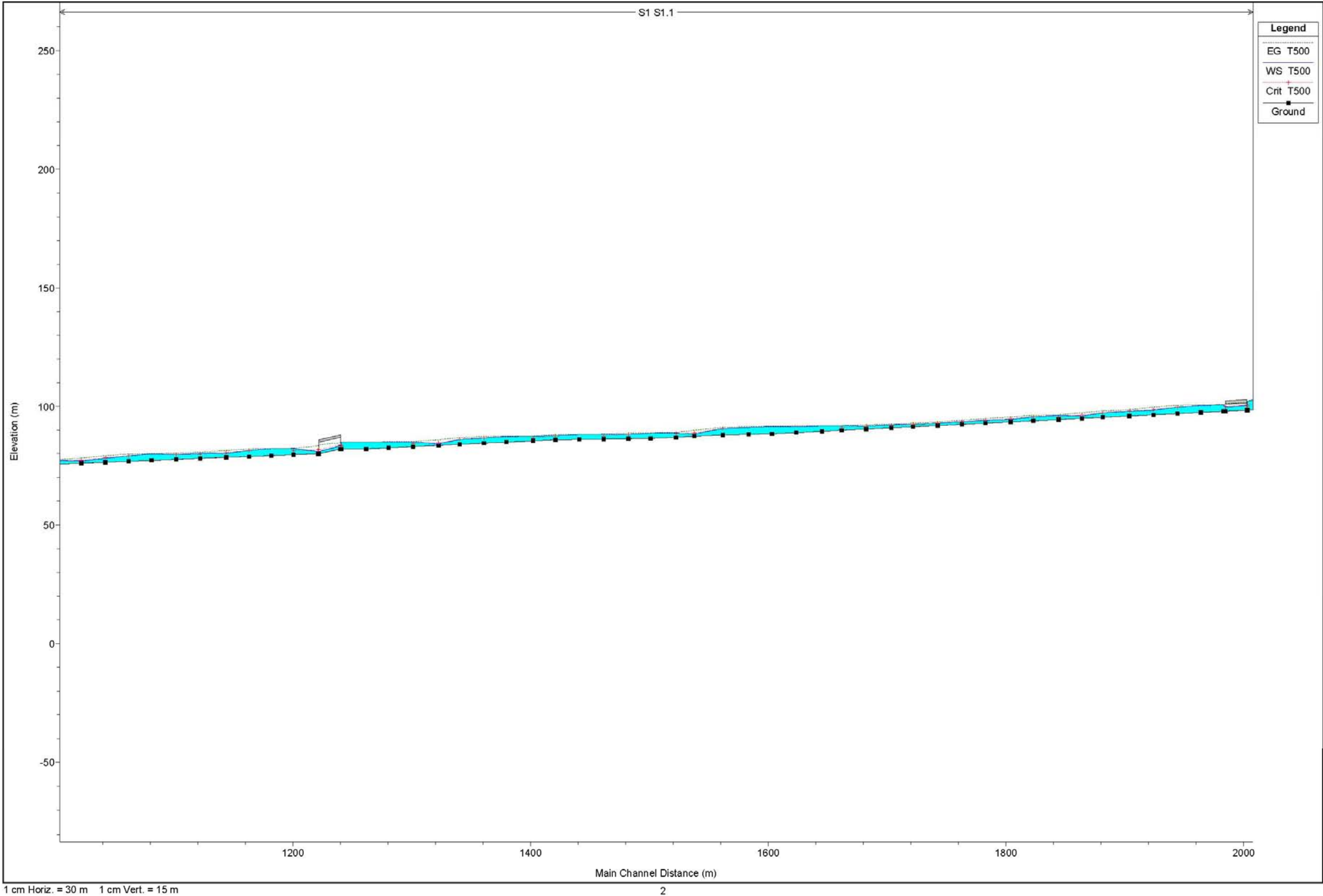


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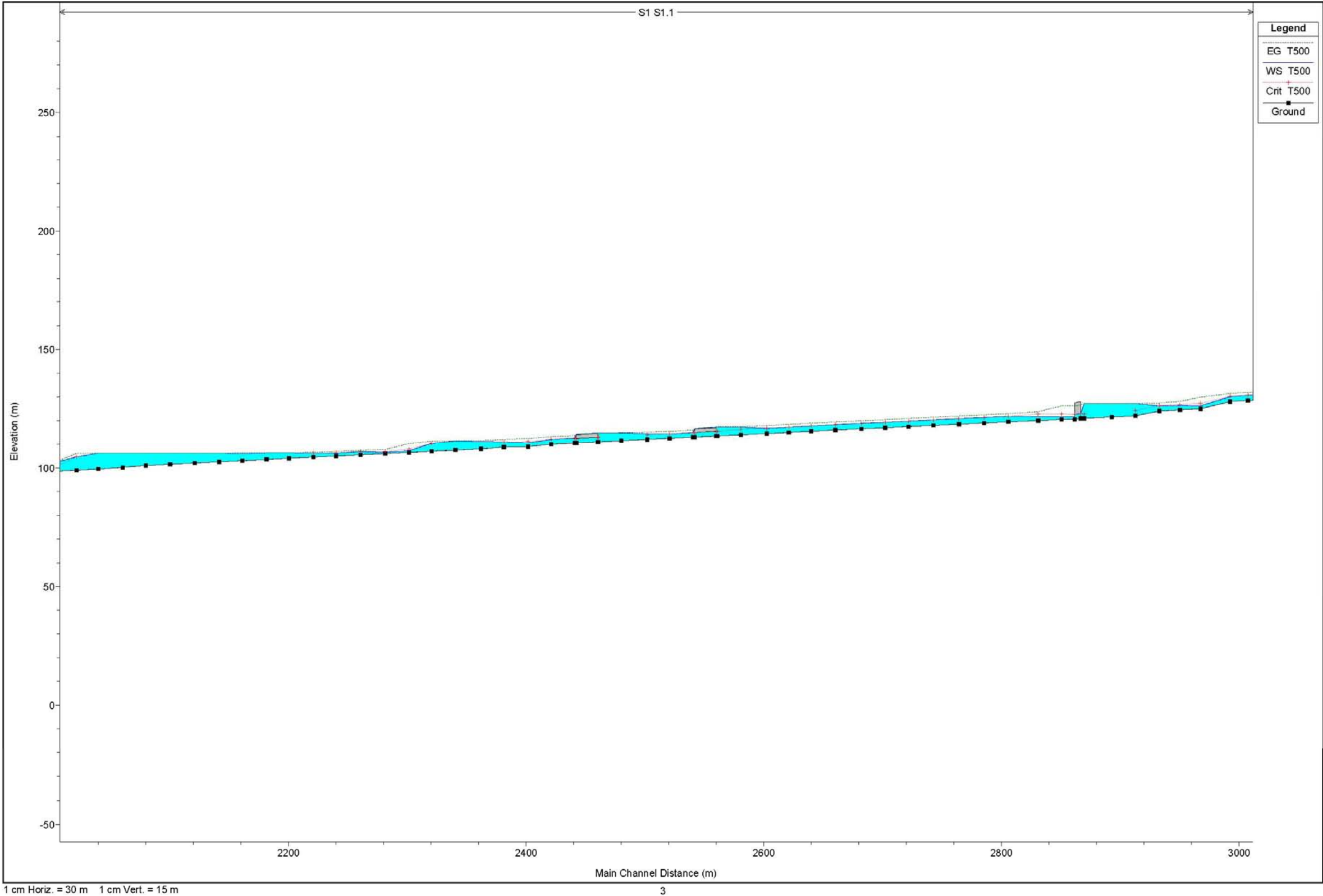
3.5.2.2.- Arroyo de la Salud



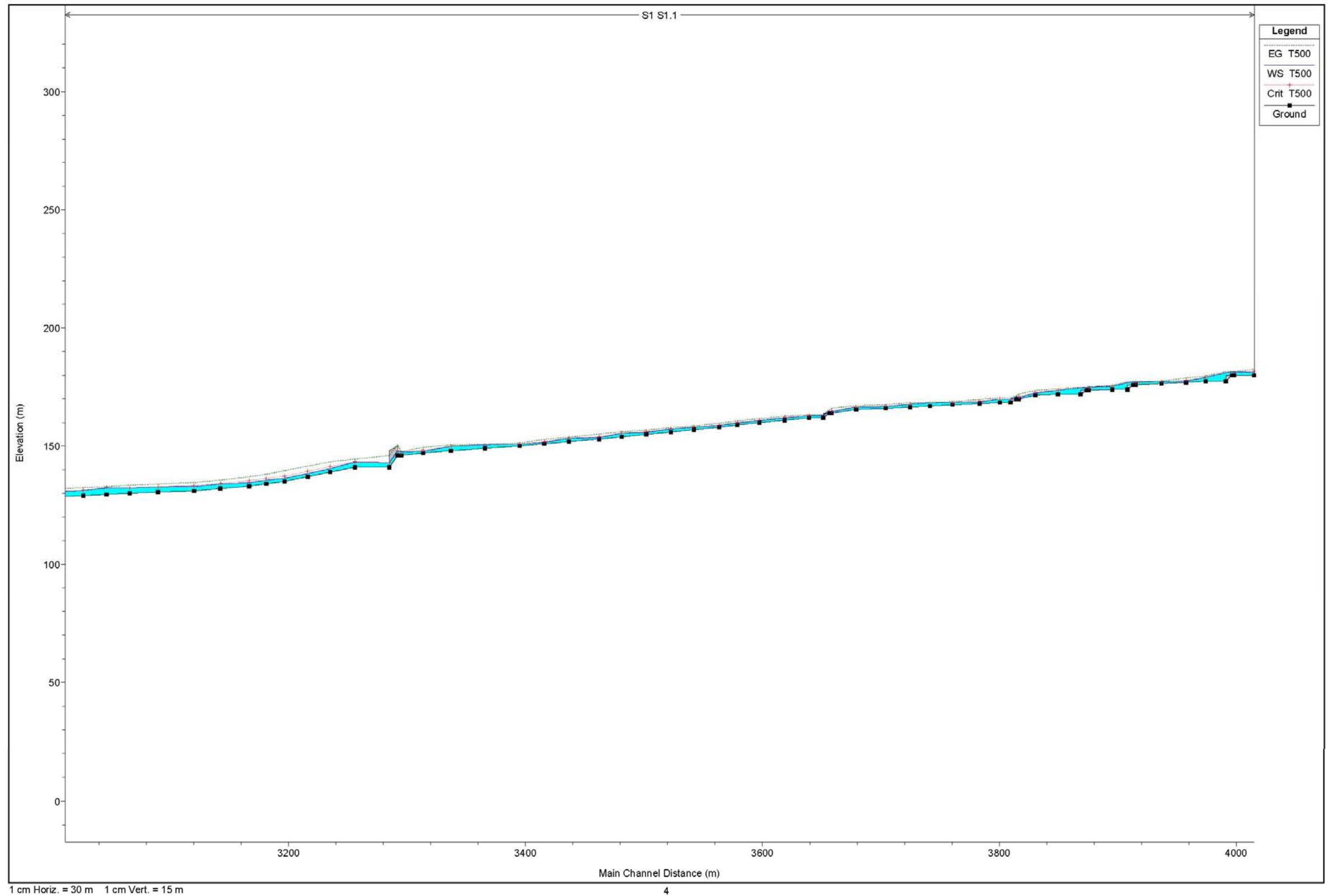
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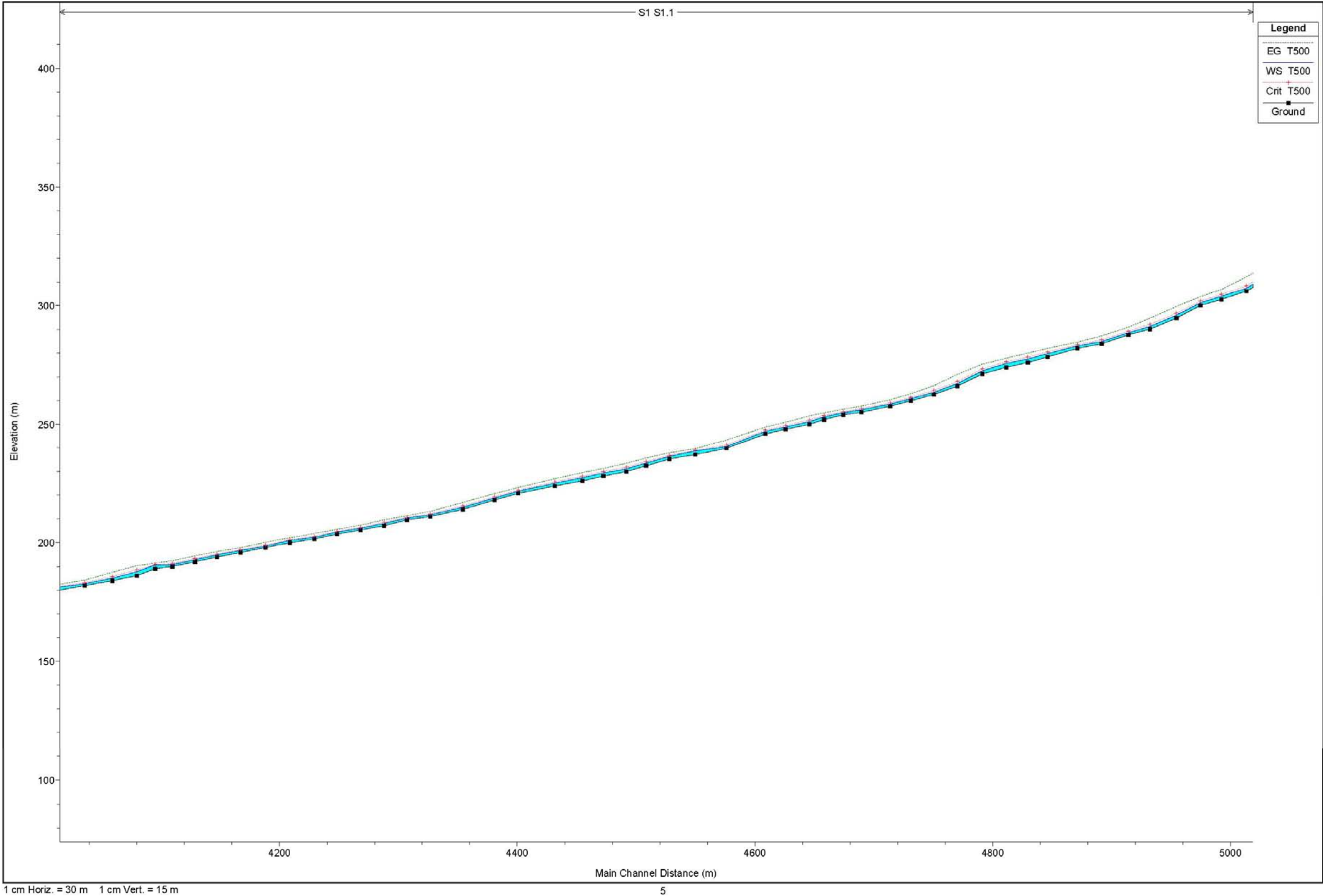
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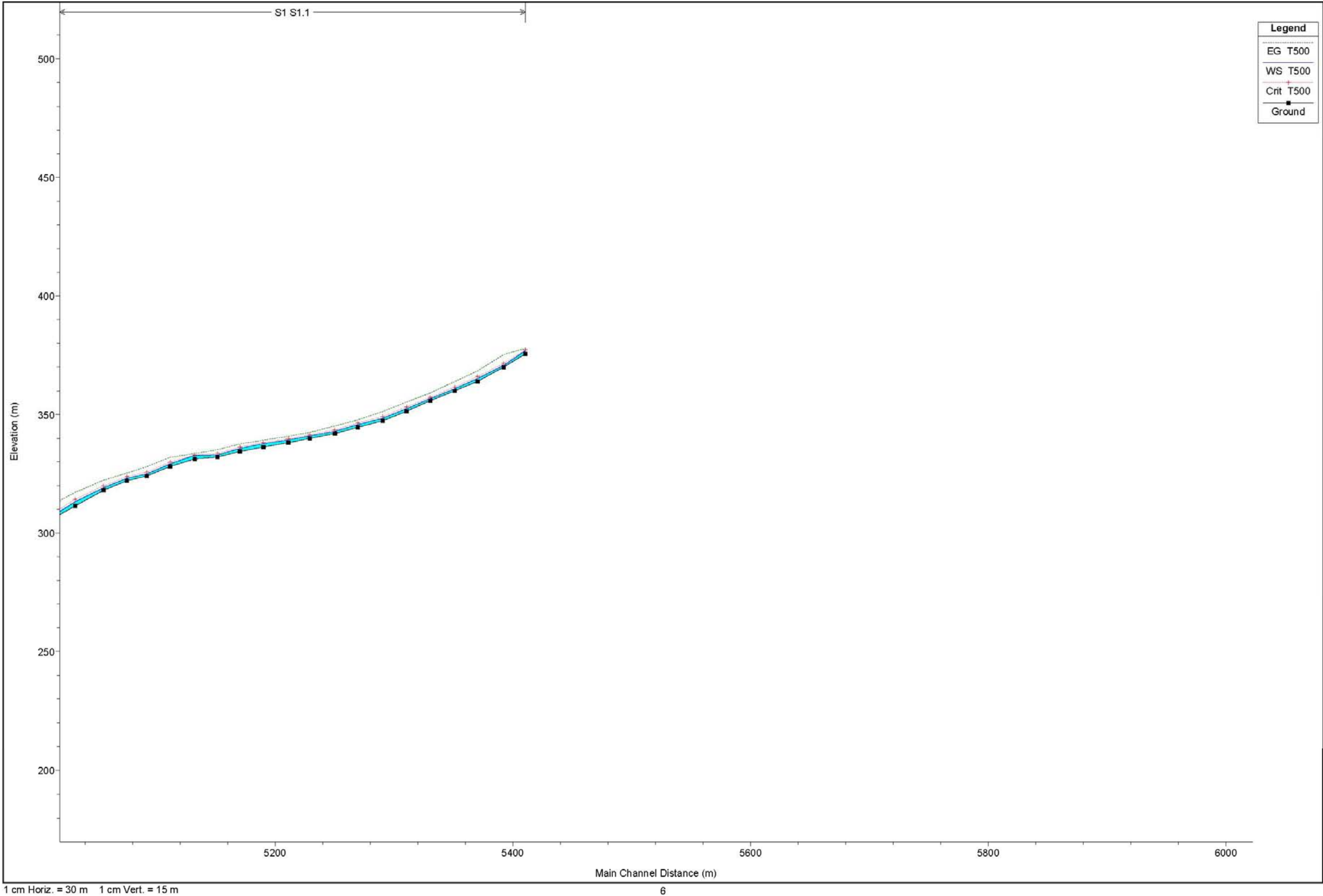
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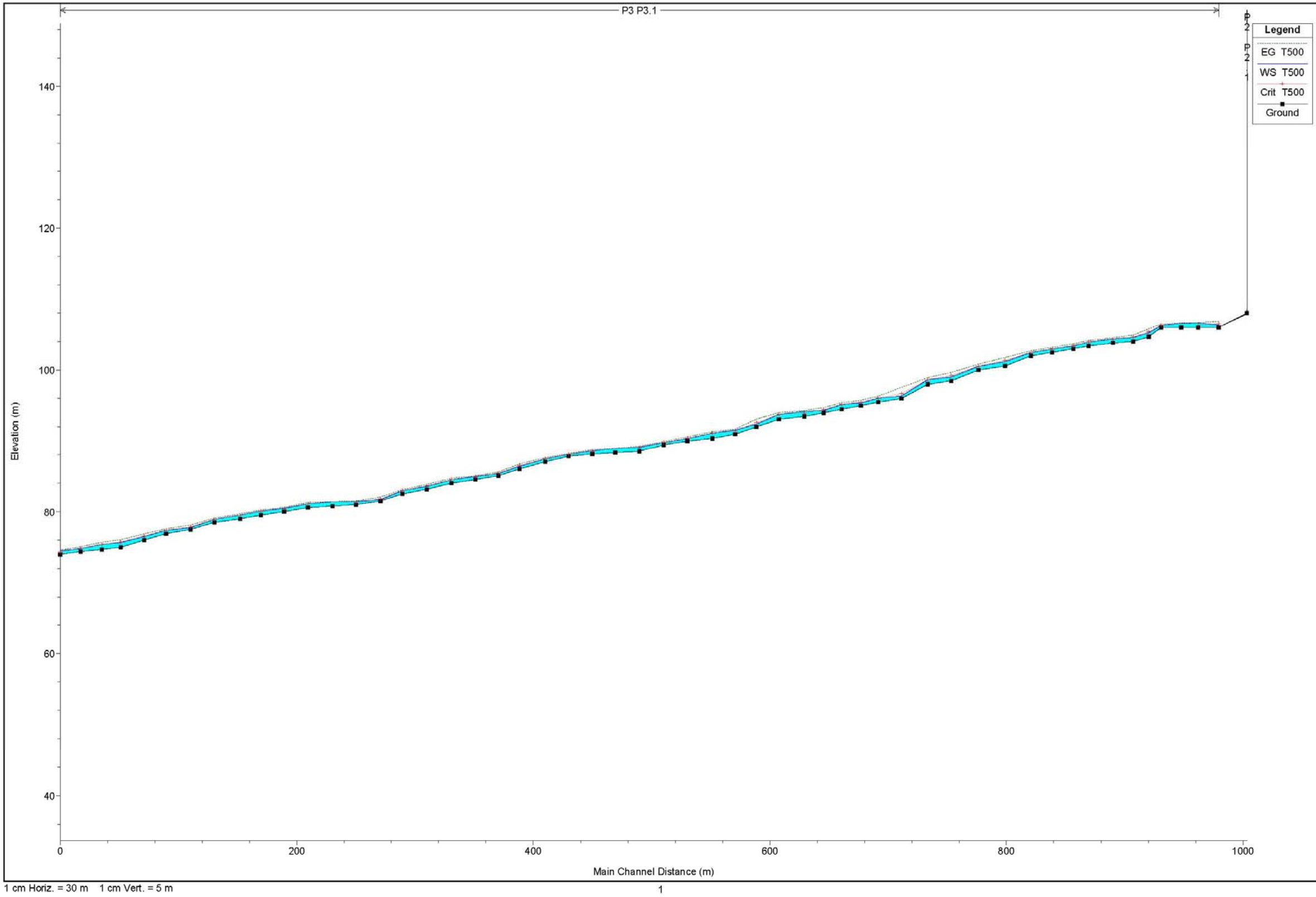


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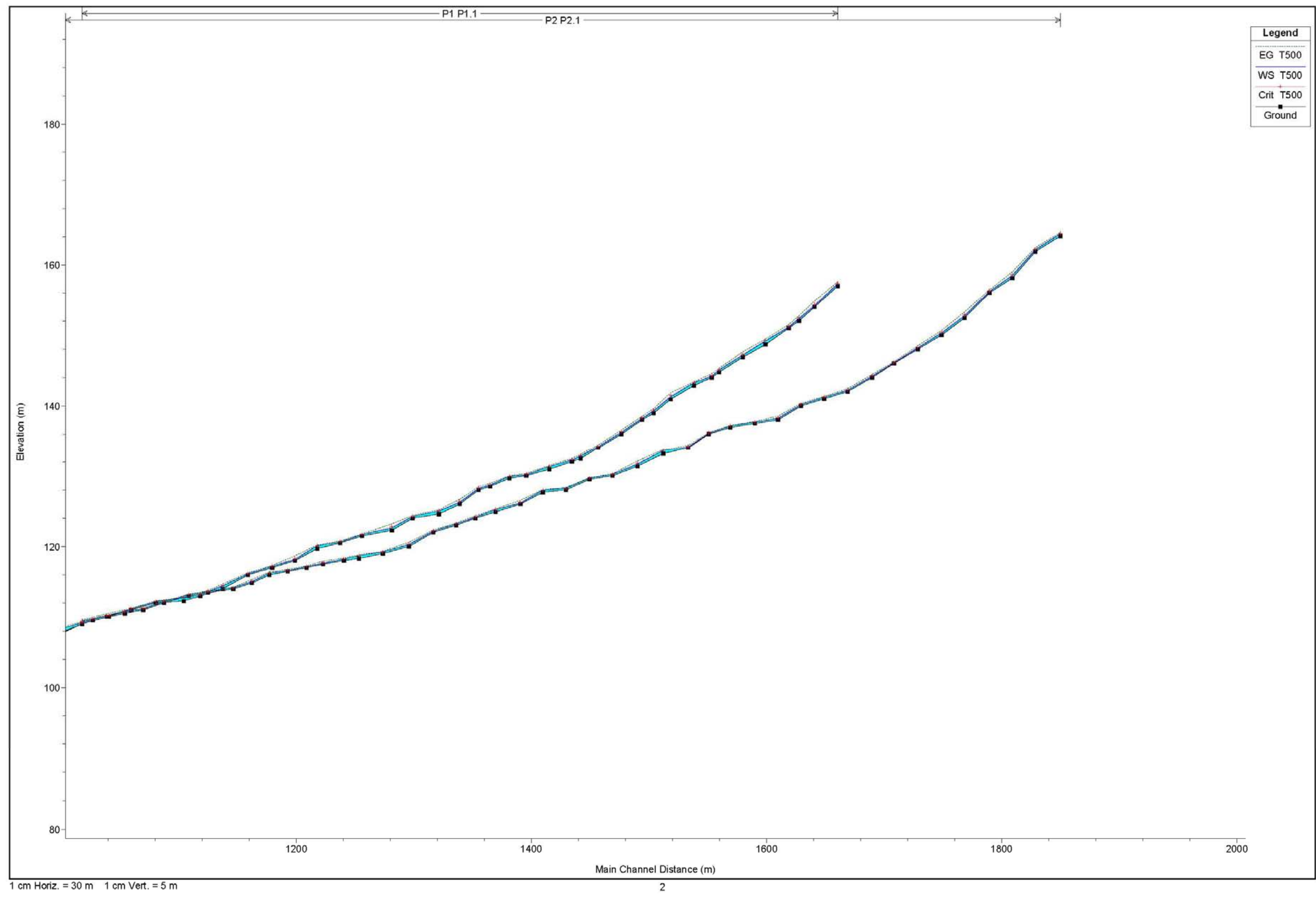


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3.5.2.3.- Arroyo Pachurraco



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

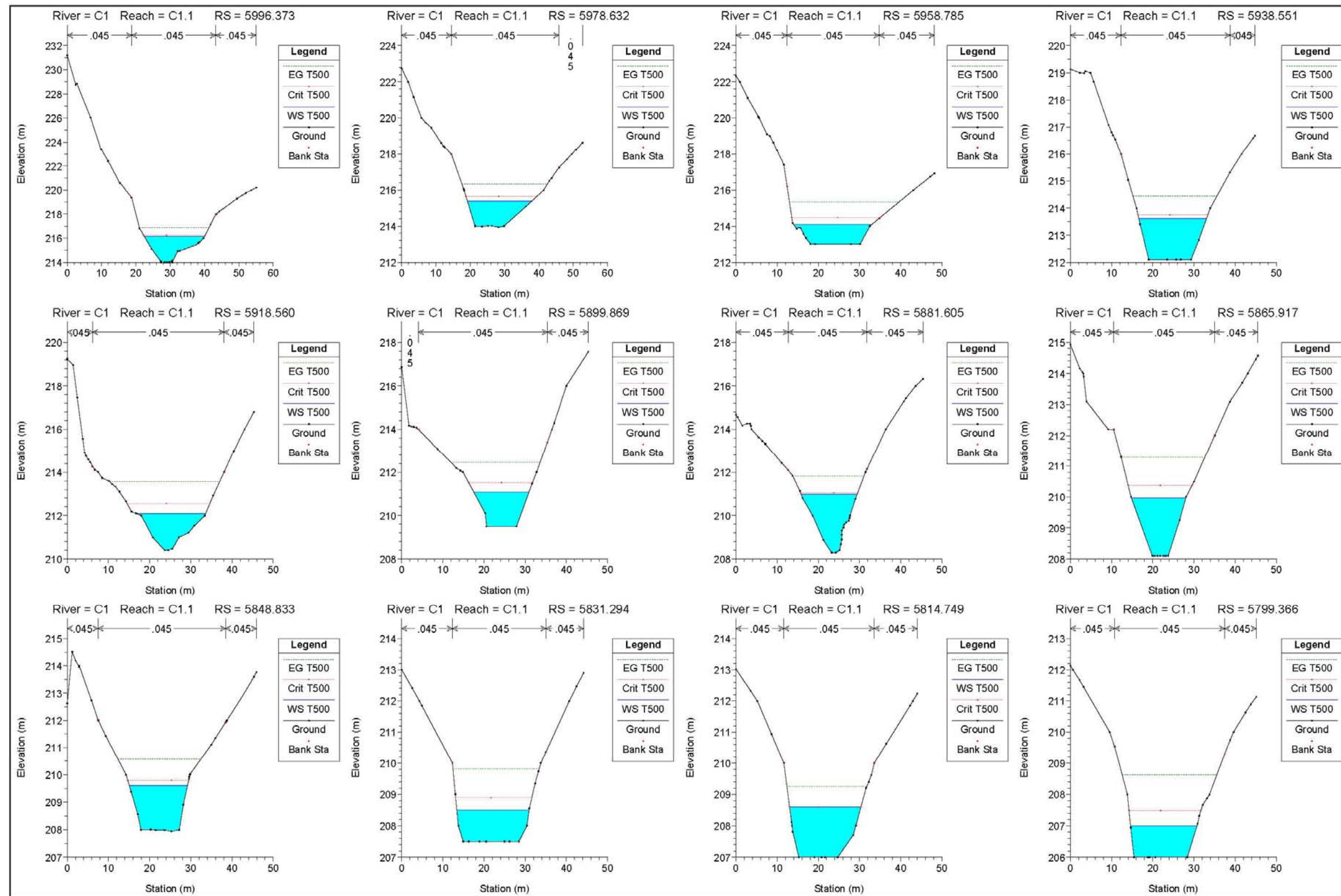
3.5.3.- Perfiles transversales

3.5.3.1.- Arroyo de Las Cañas

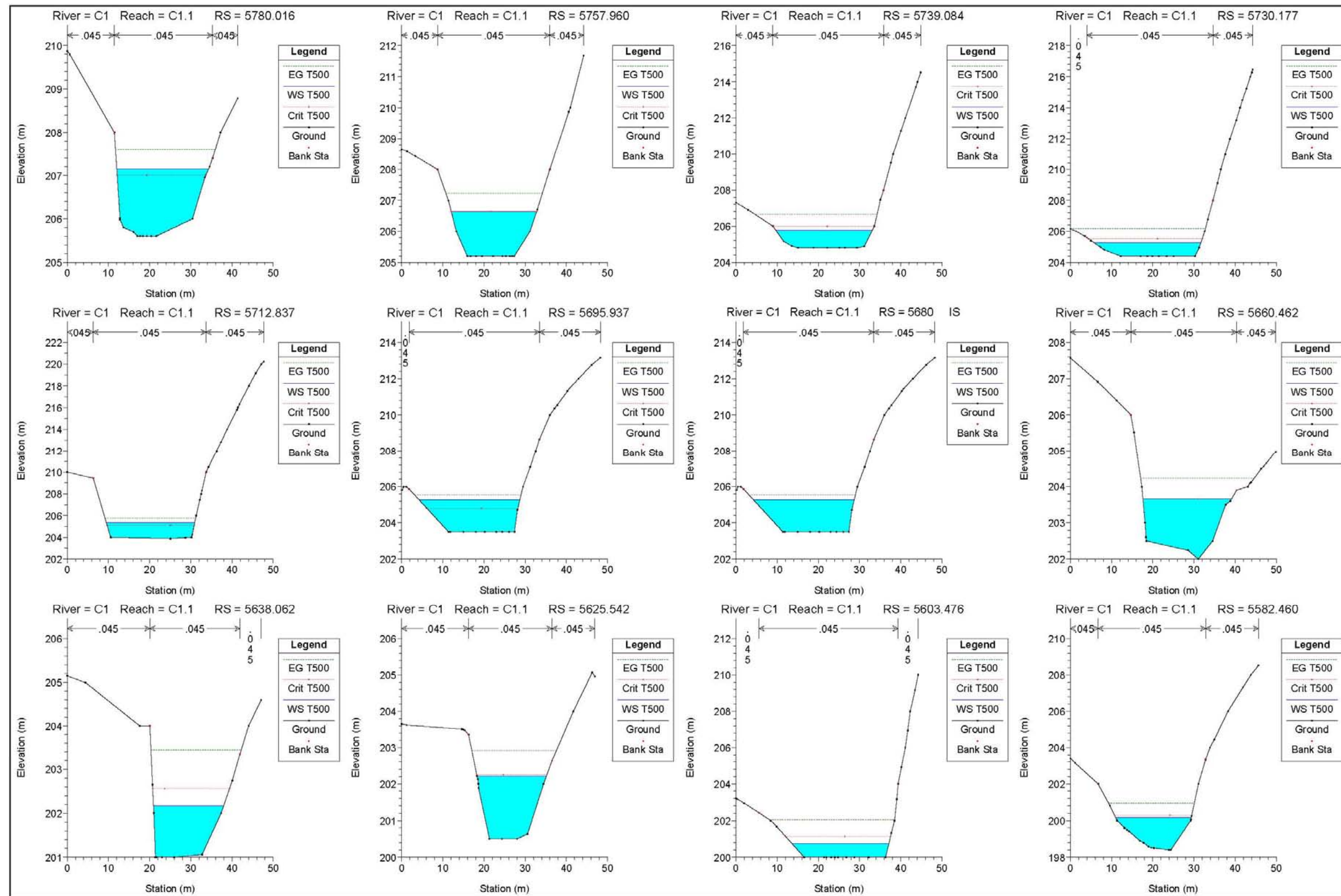
3.5.3.2.- Arroyo de la Salud

3.5.3.3.- Arroyo Pachurraco

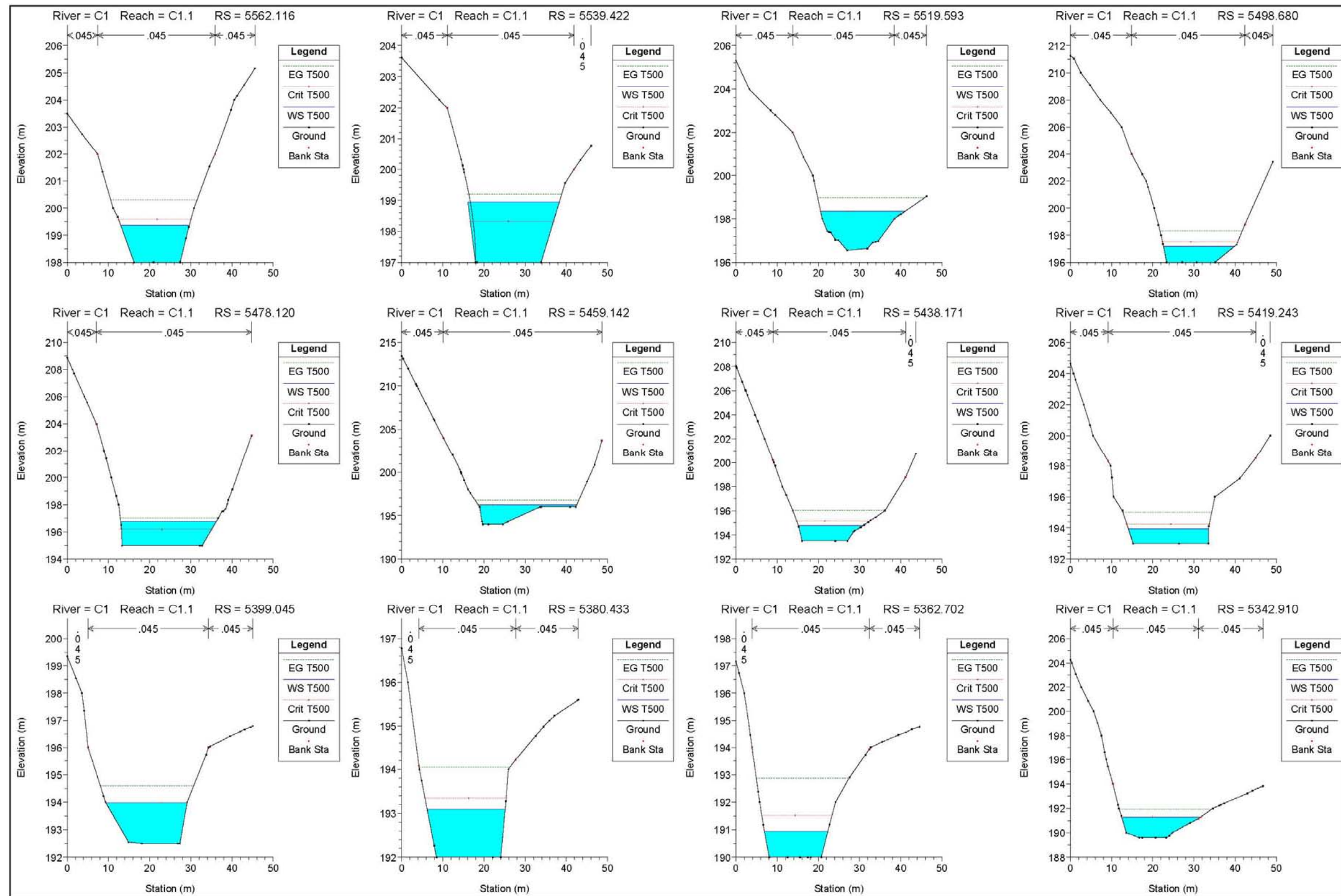
3.5.3.1.- Arroyo de Las Cañas



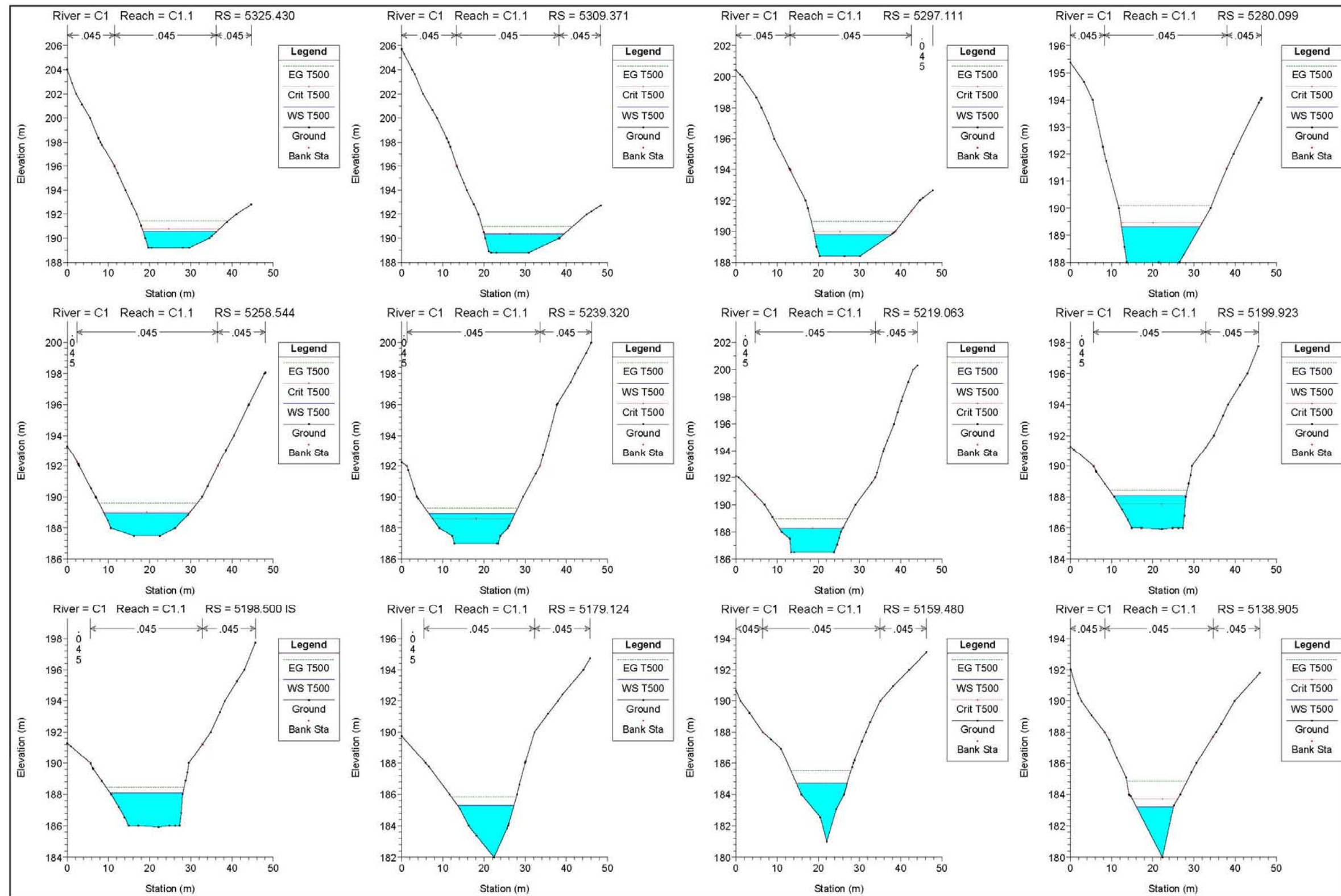
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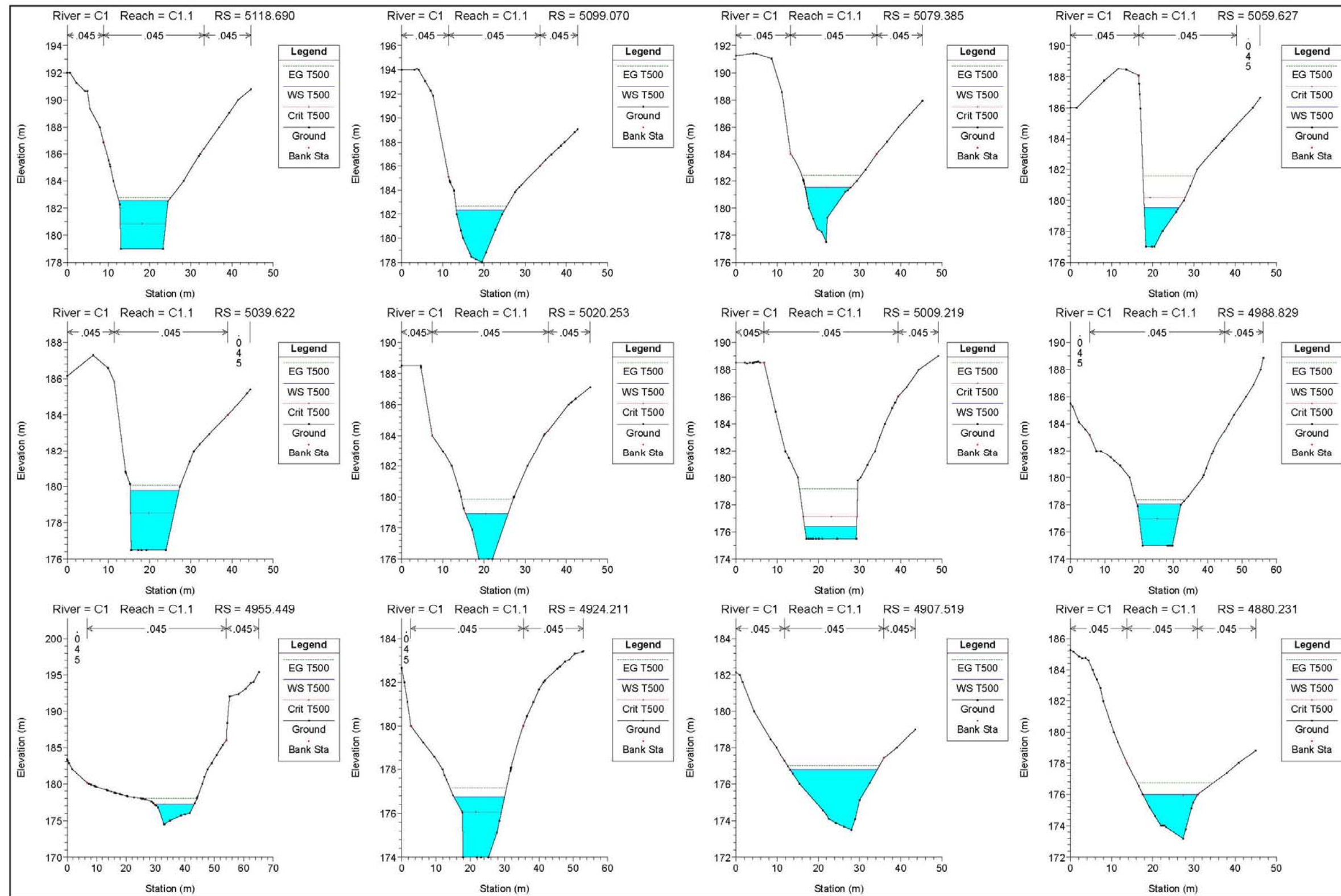


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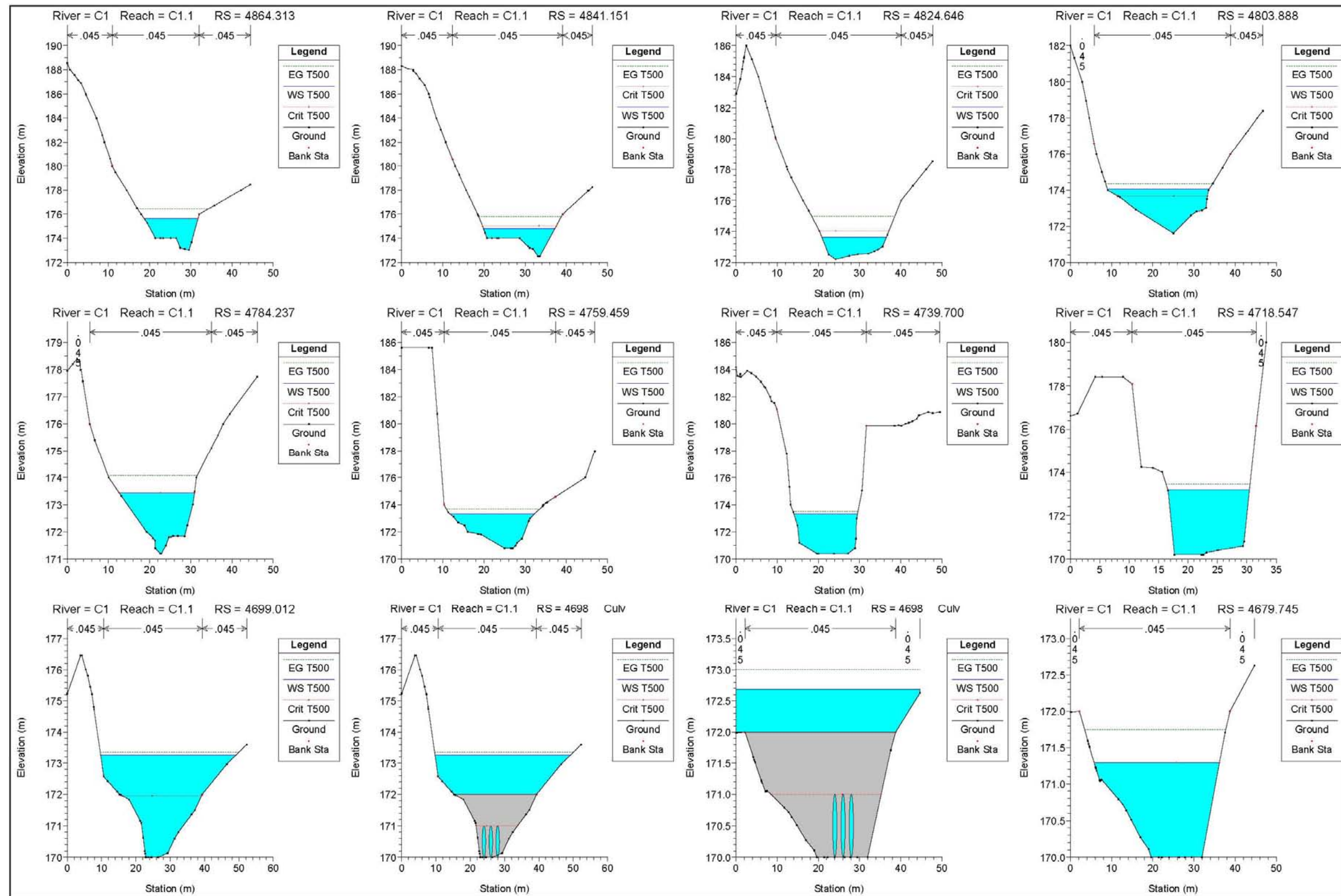


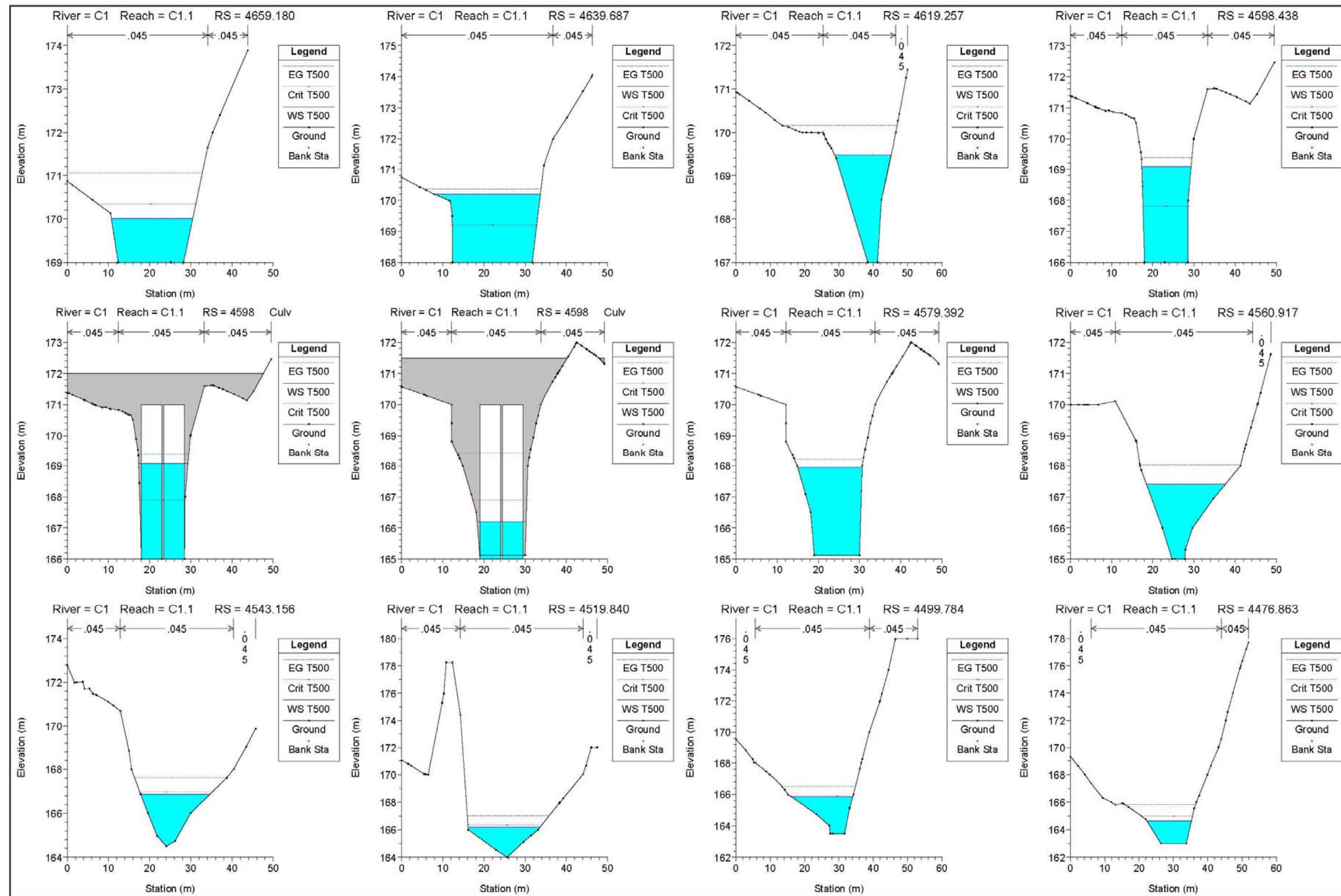
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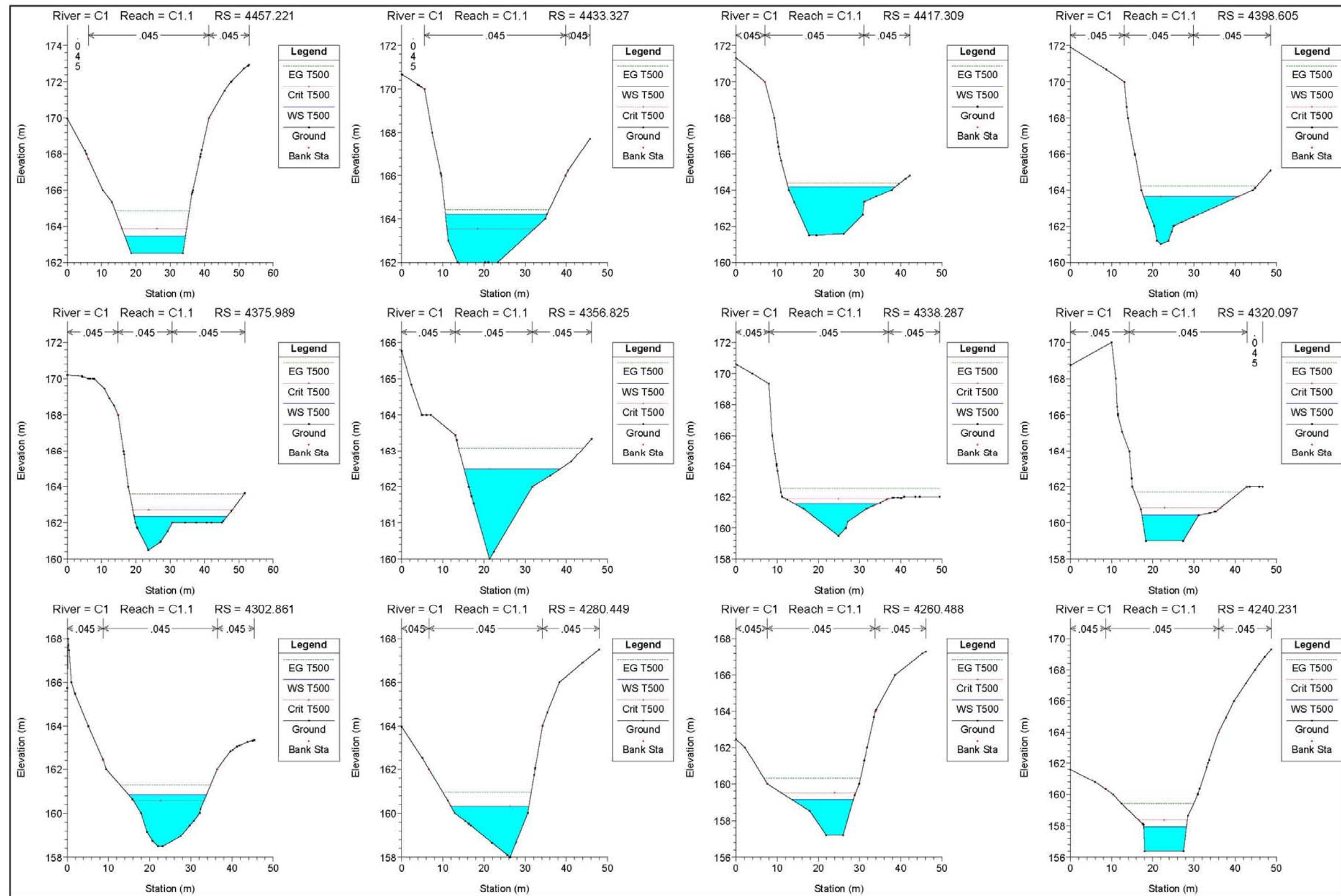


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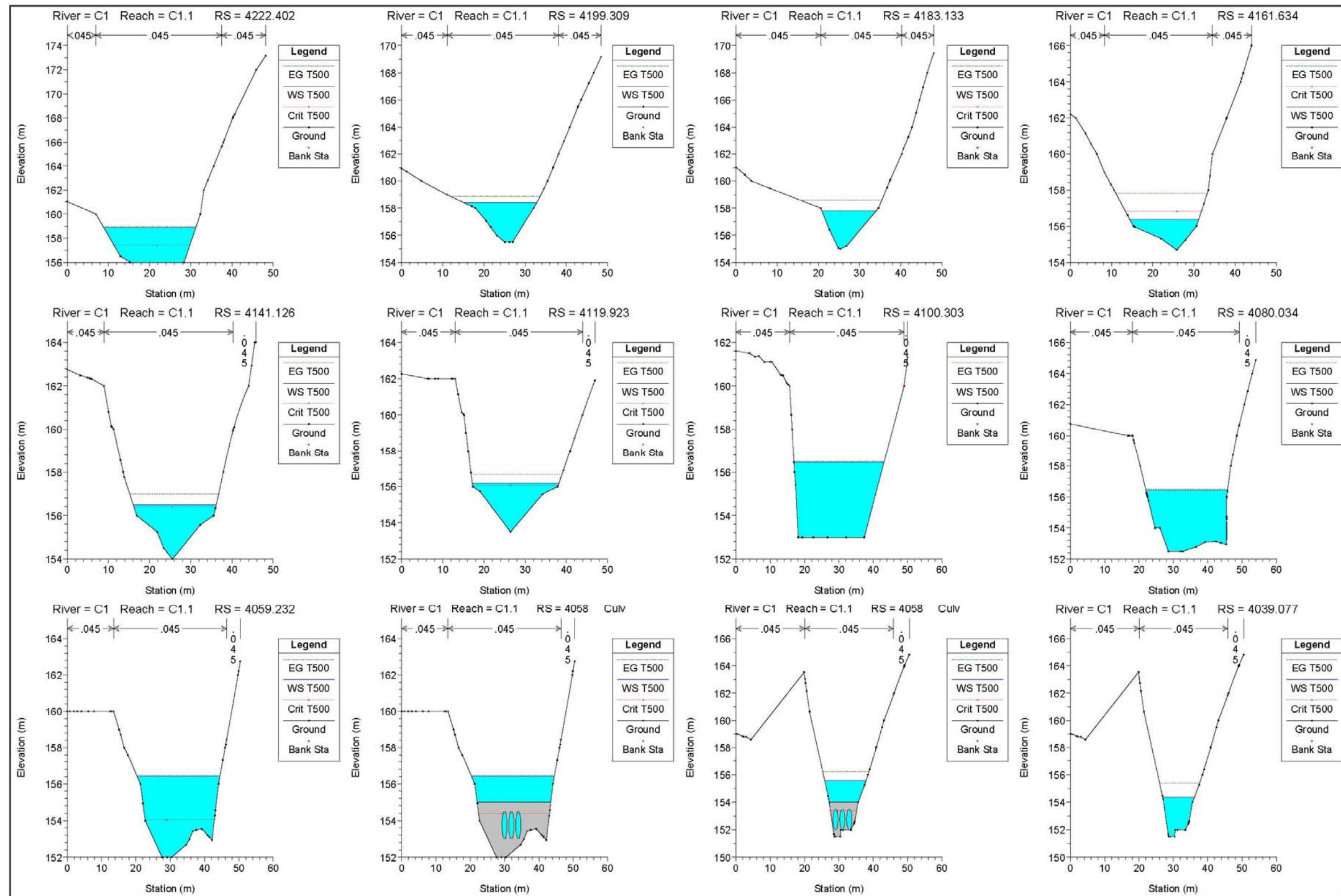


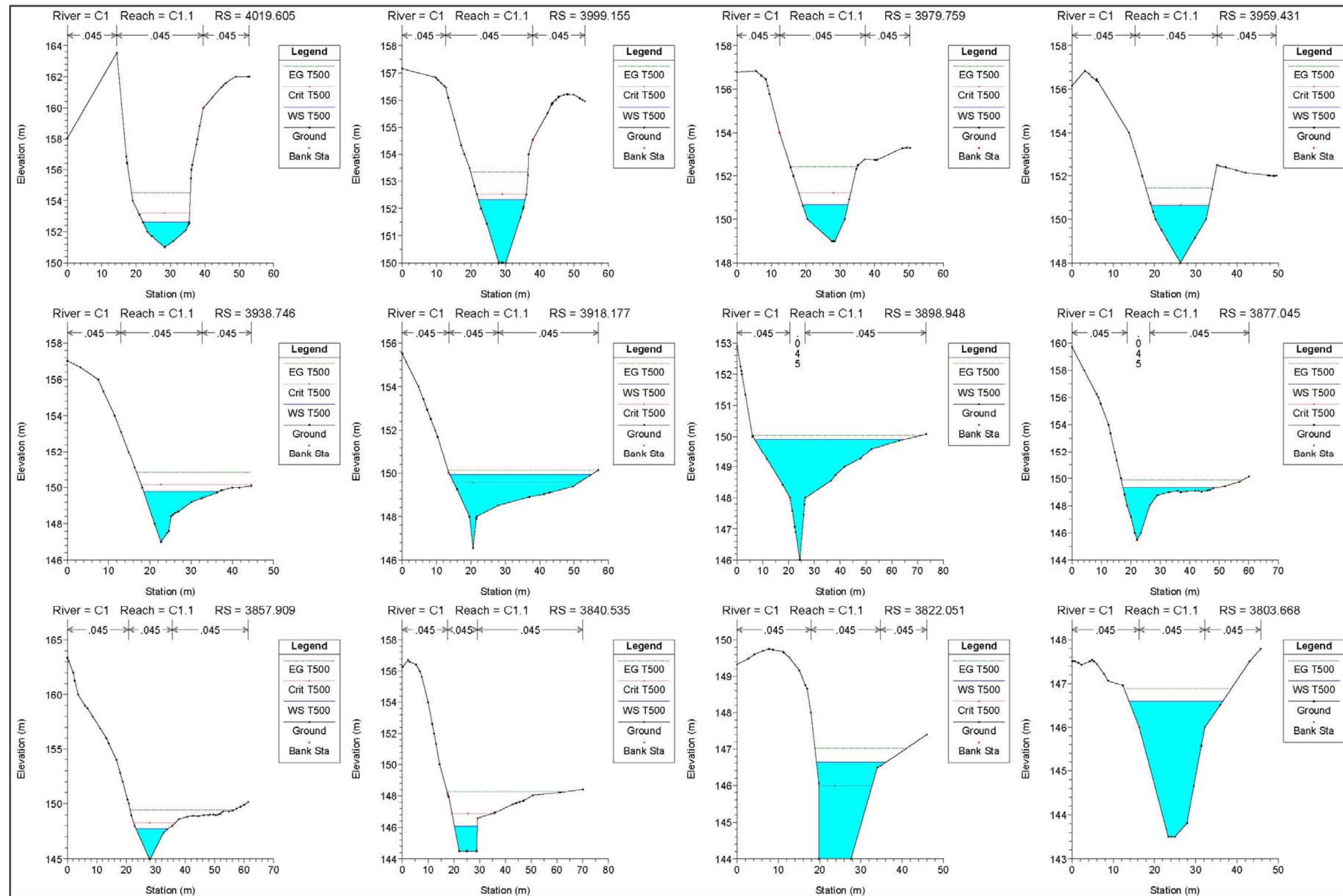


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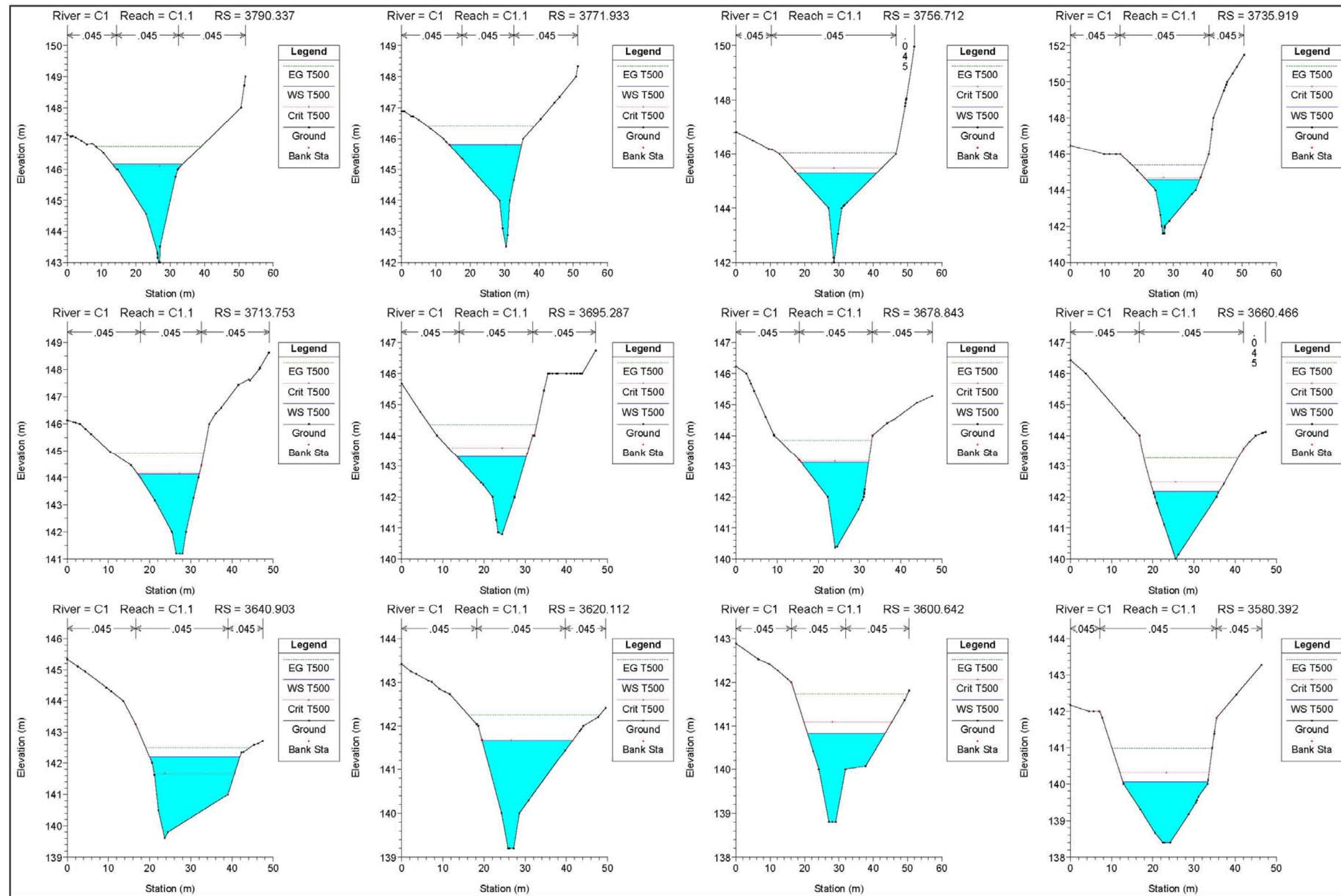


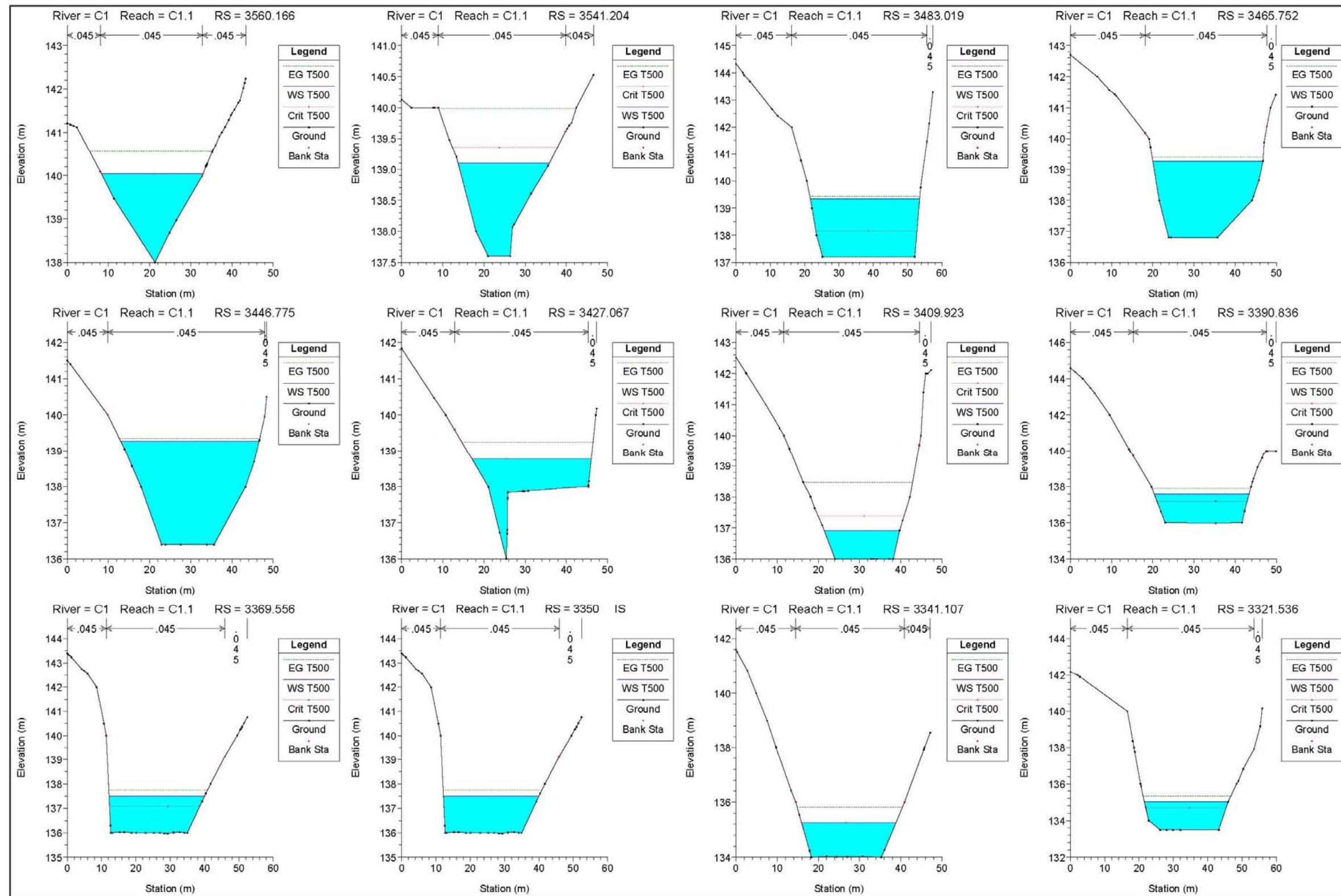
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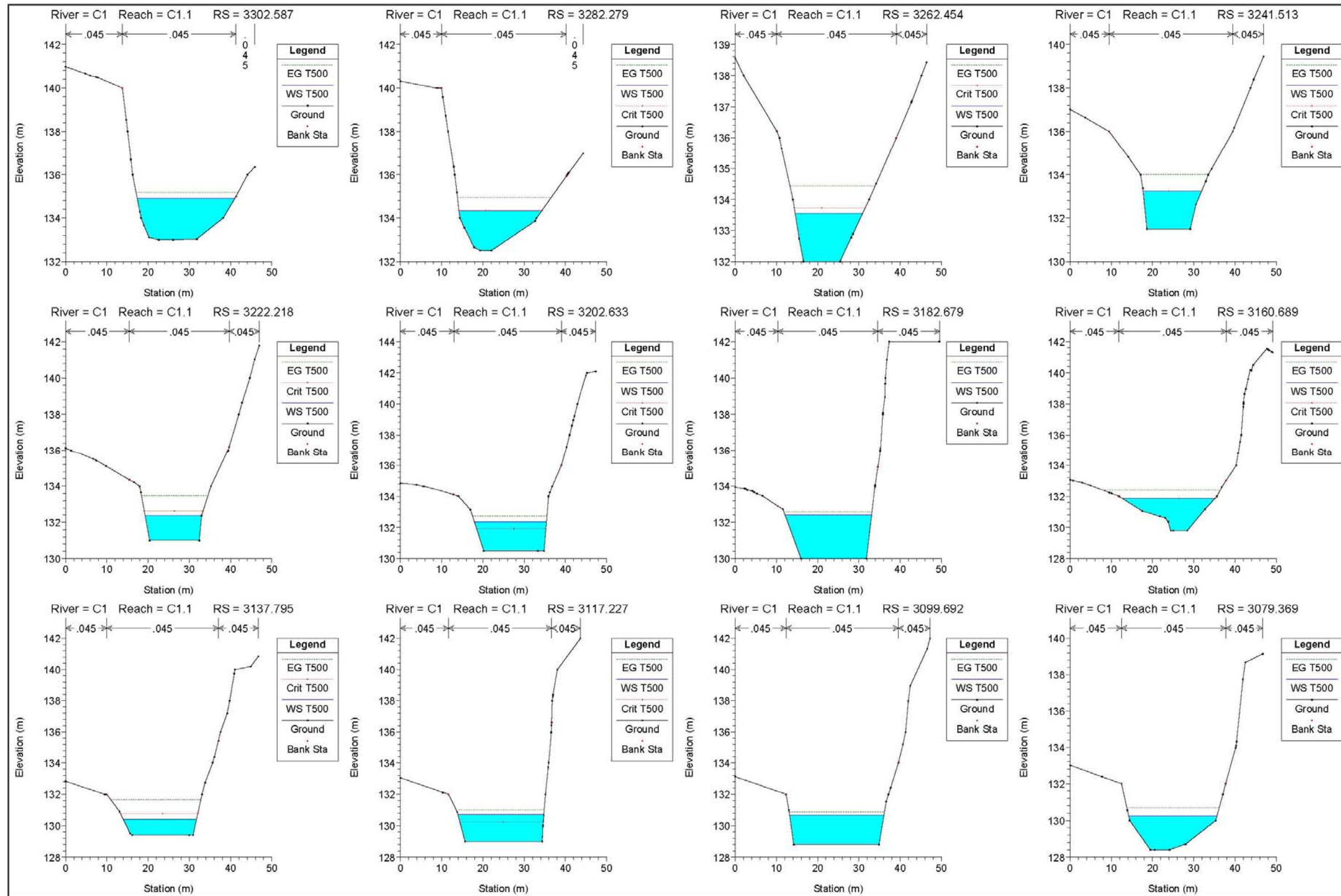


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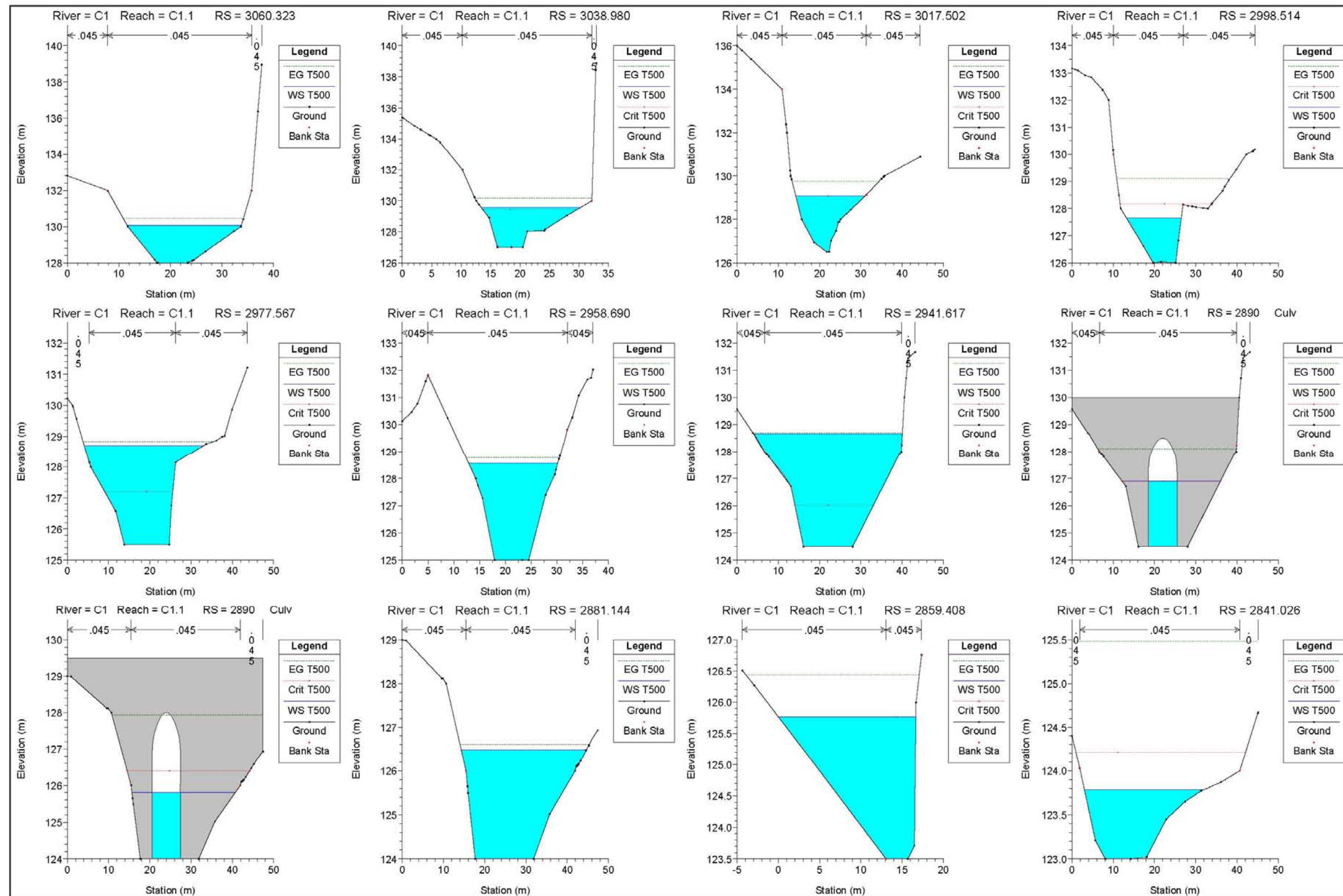




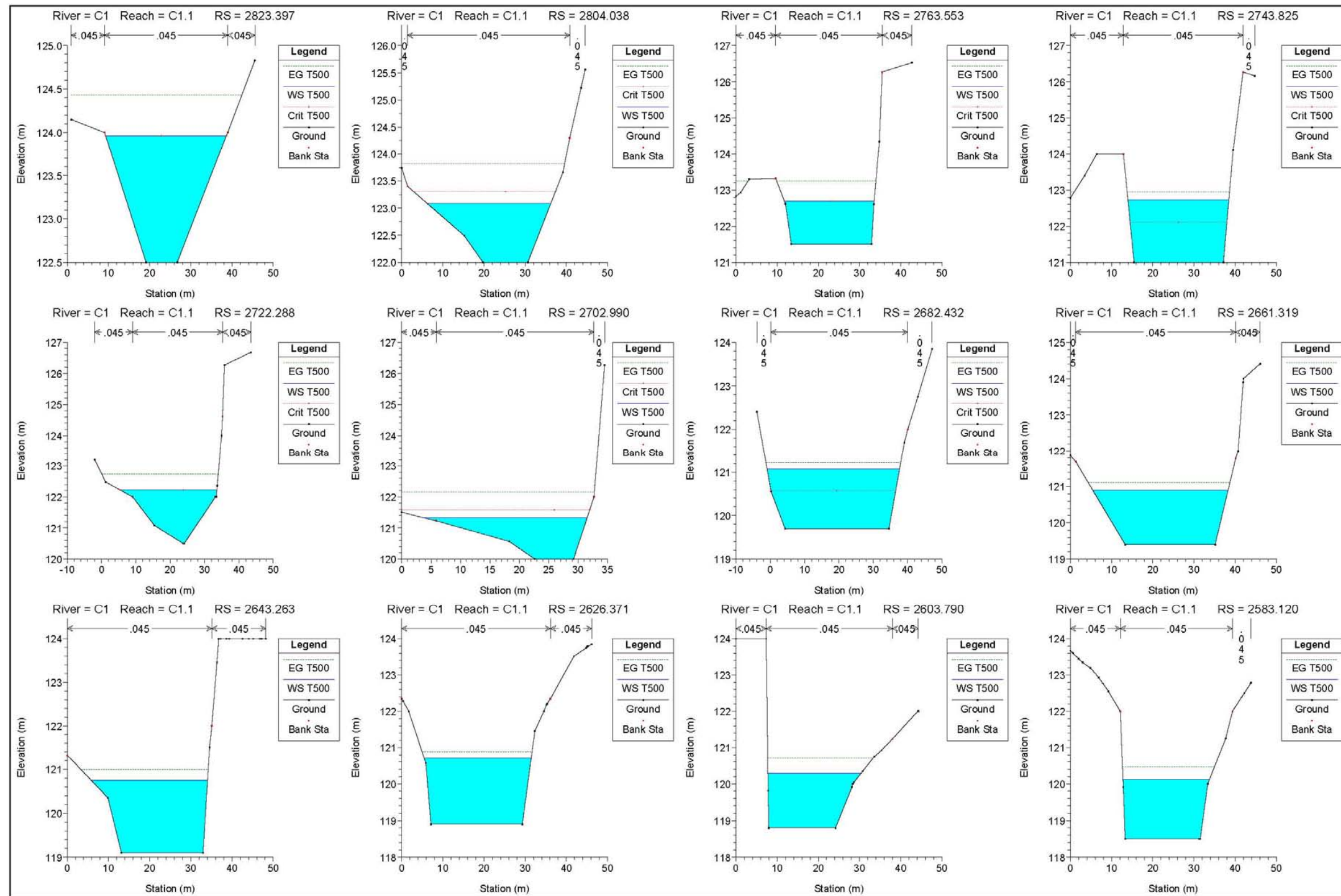
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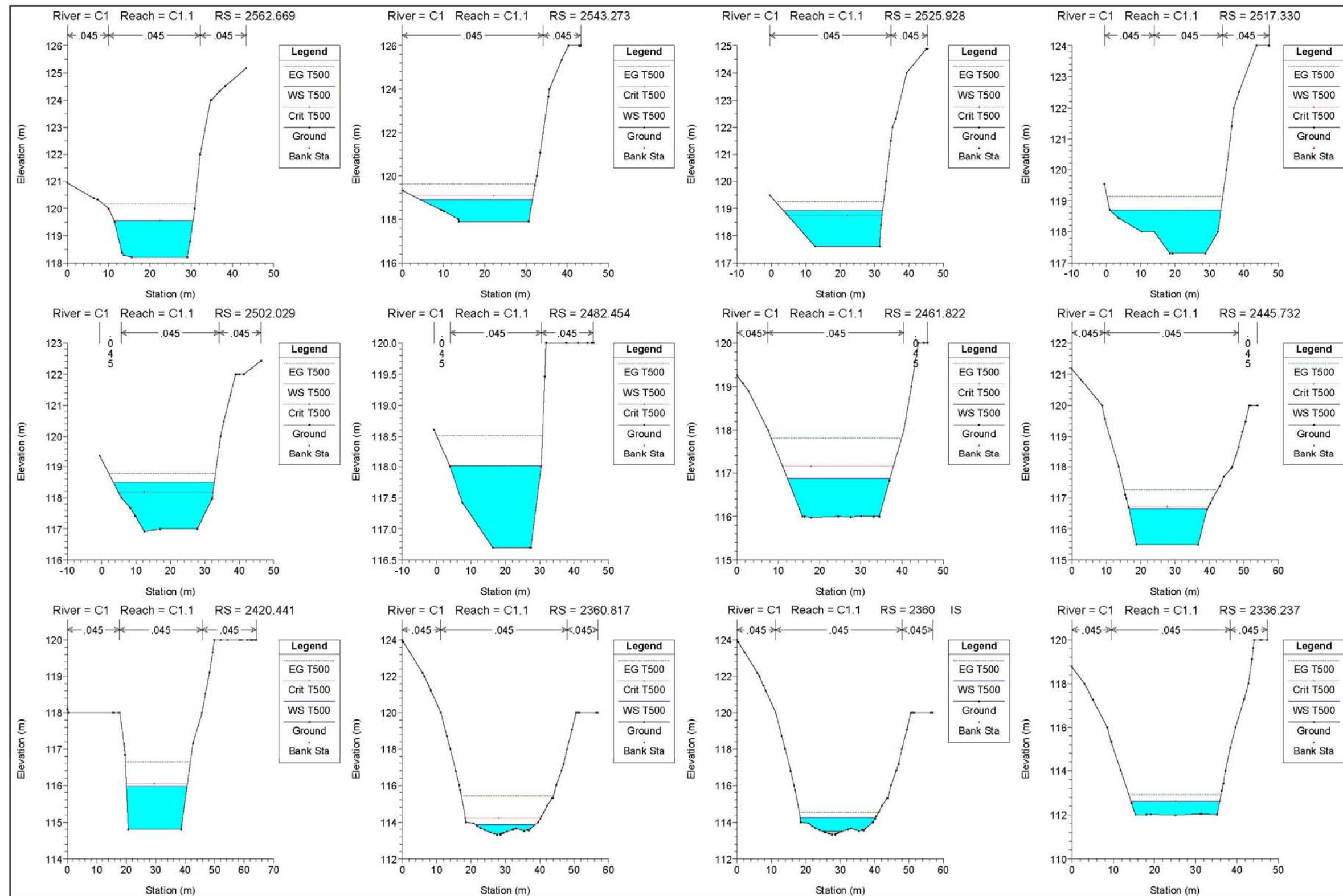
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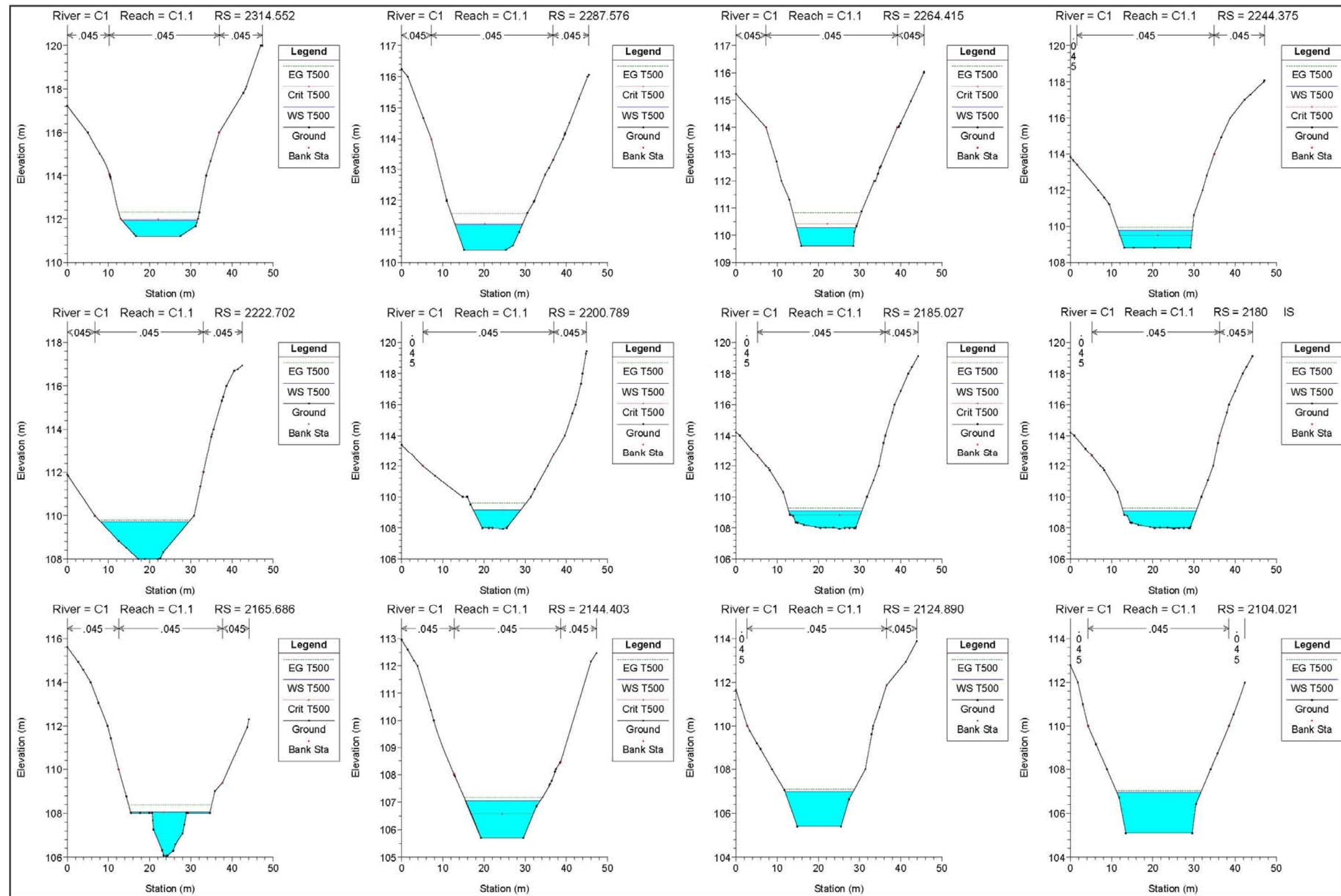
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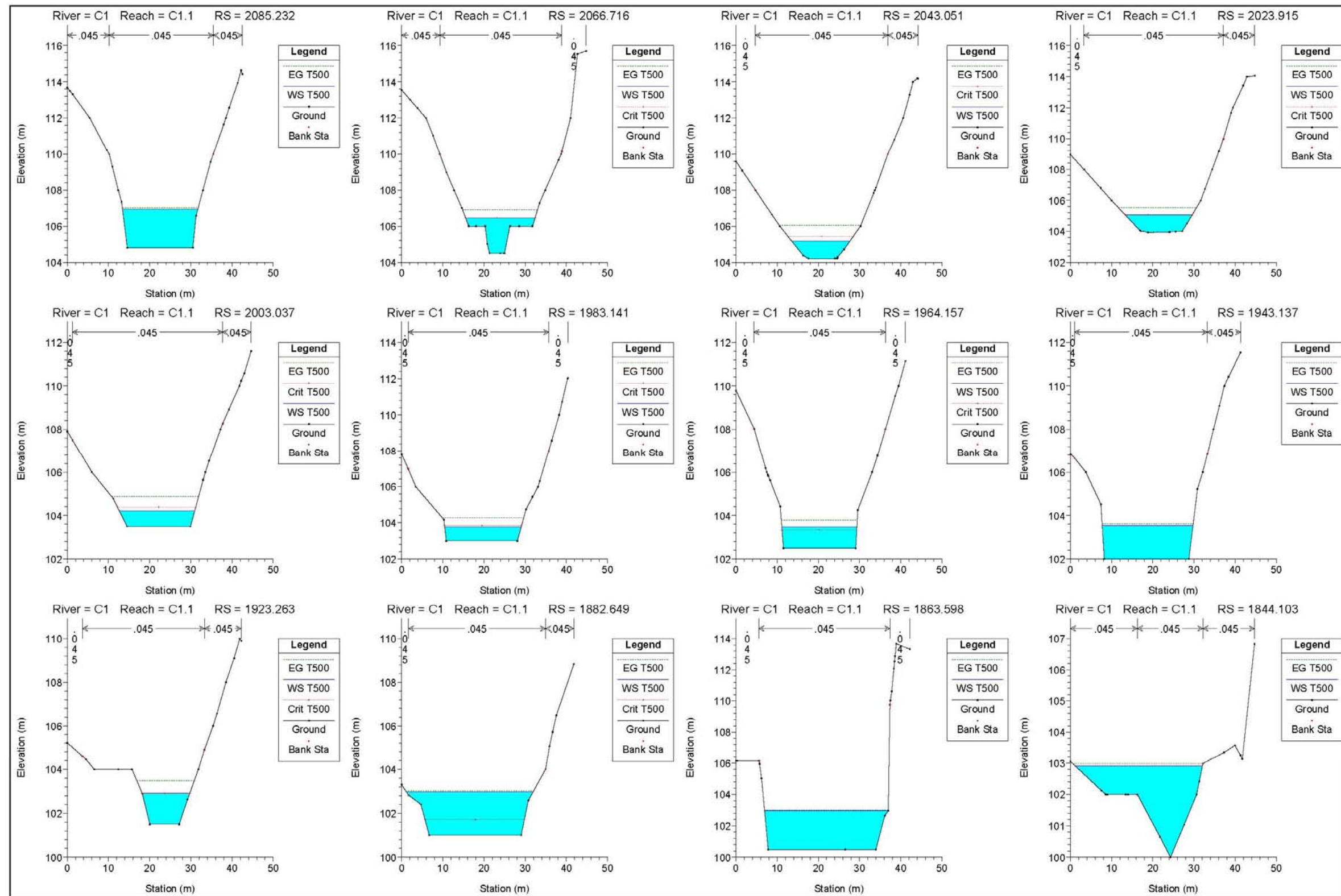
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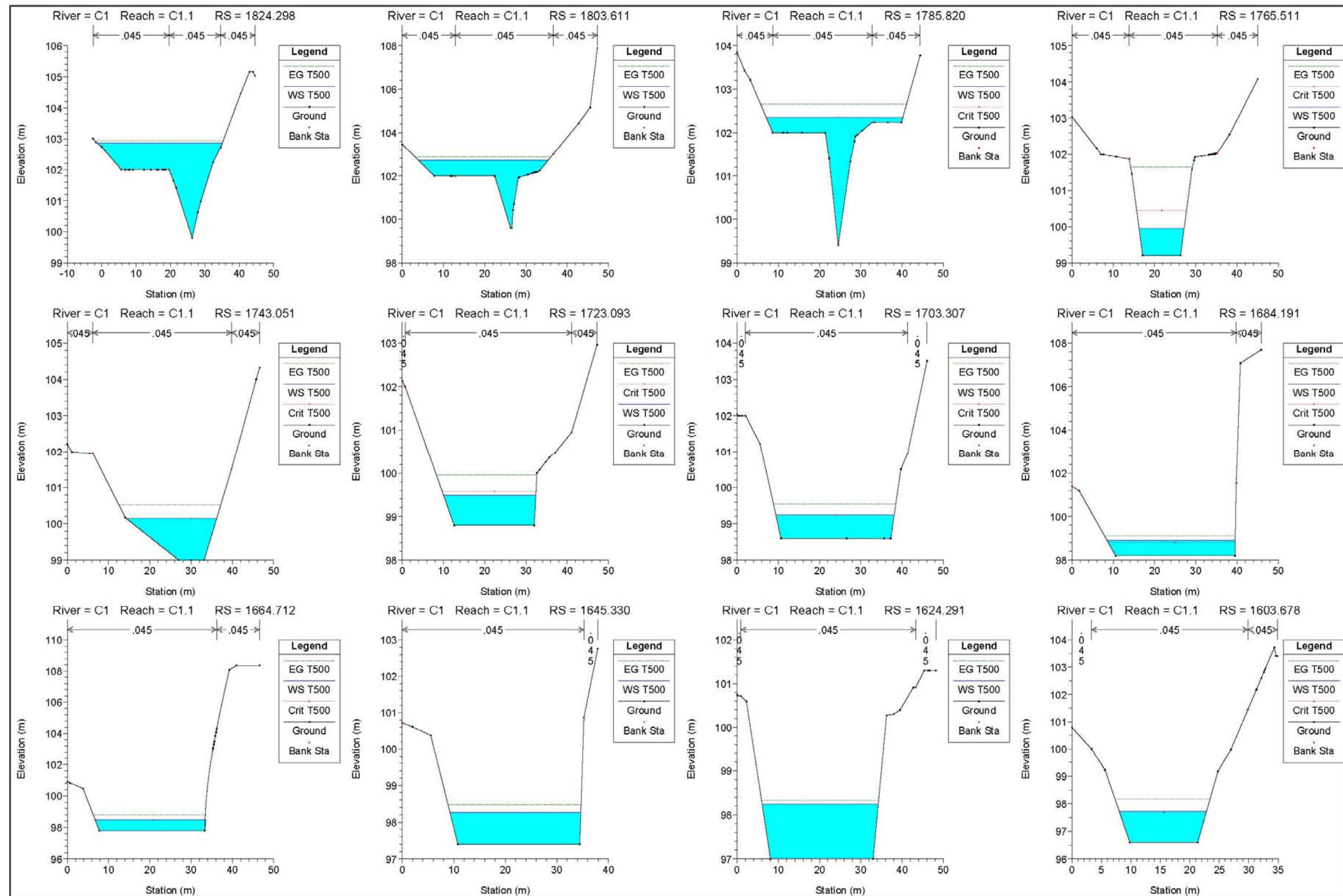
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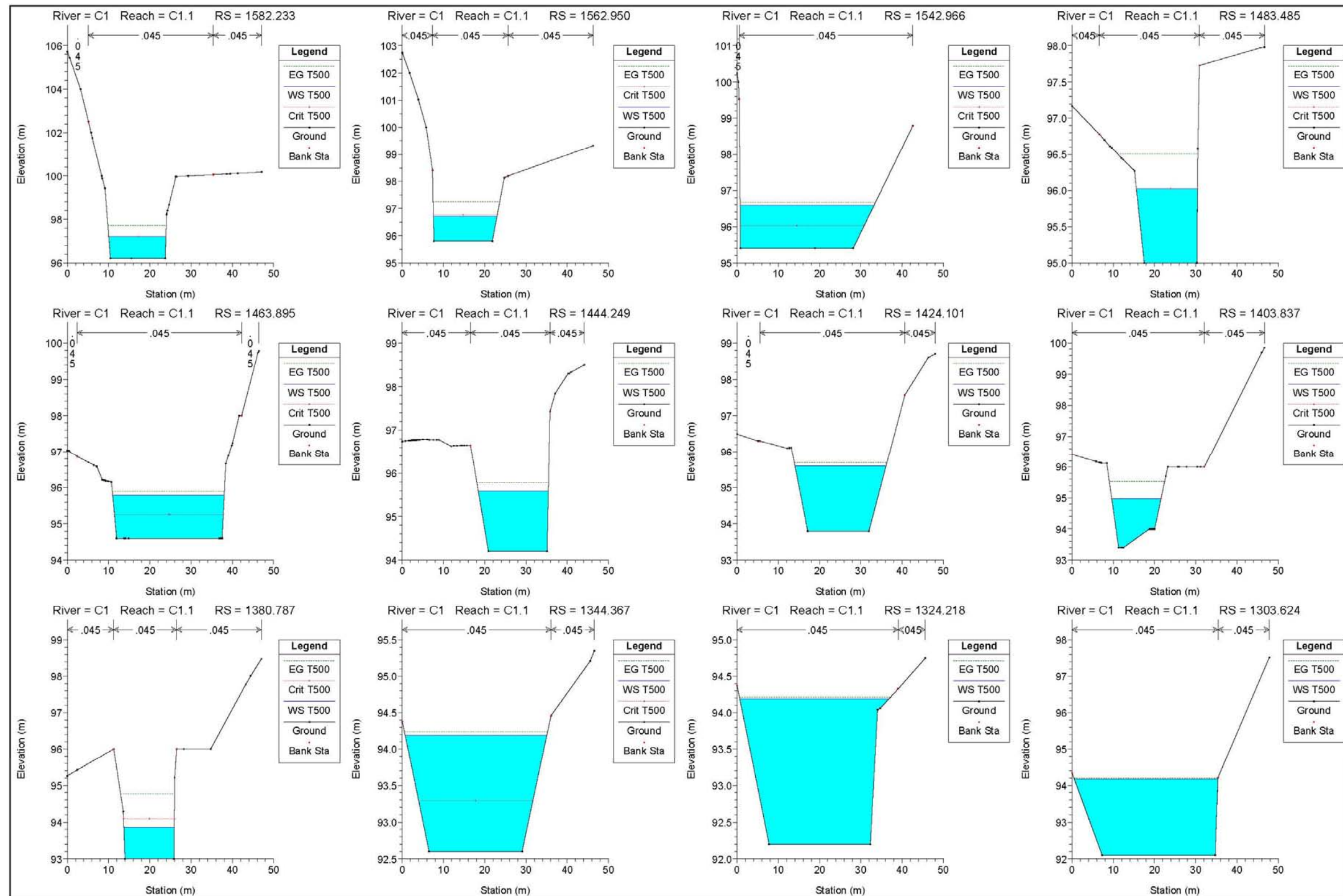


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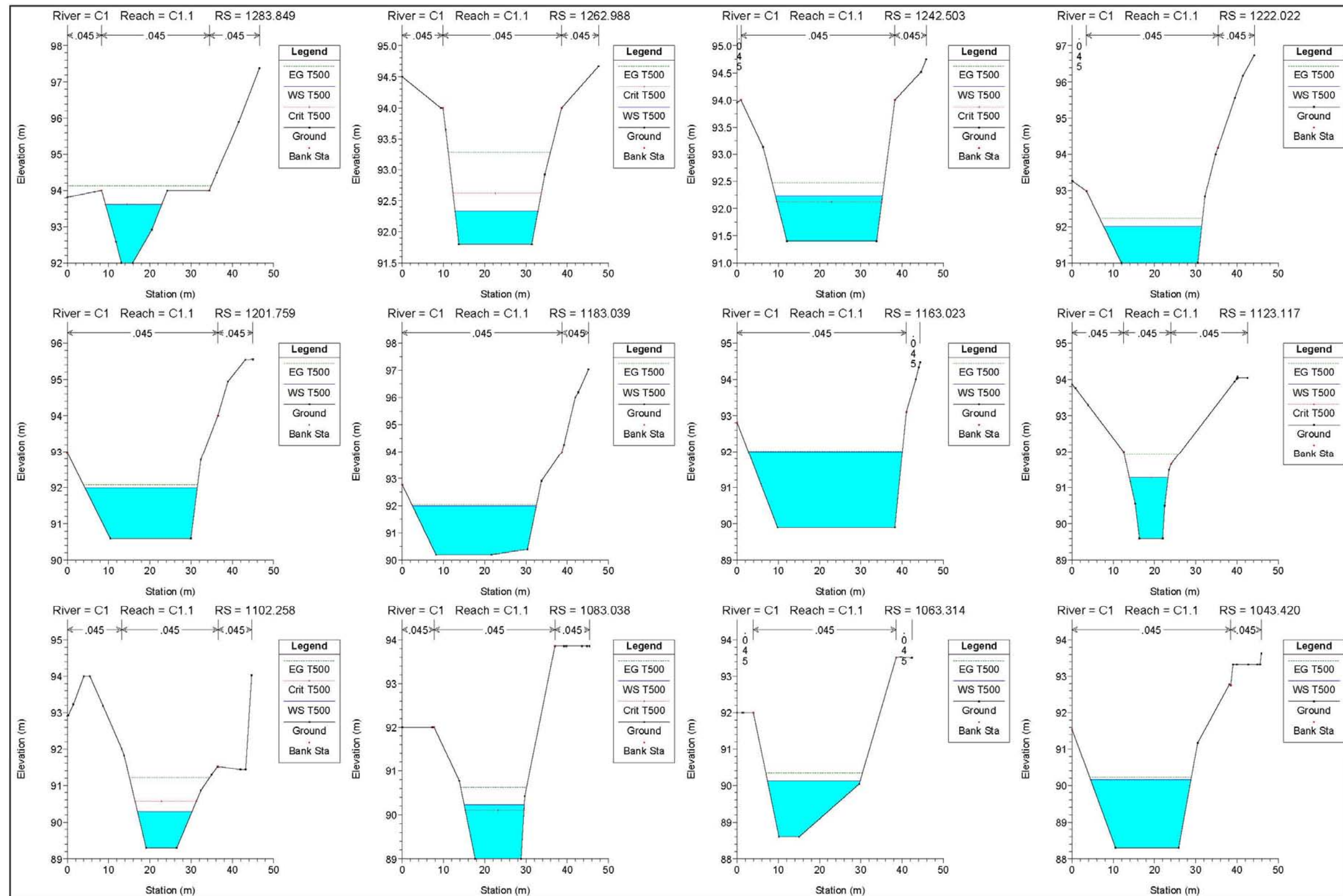


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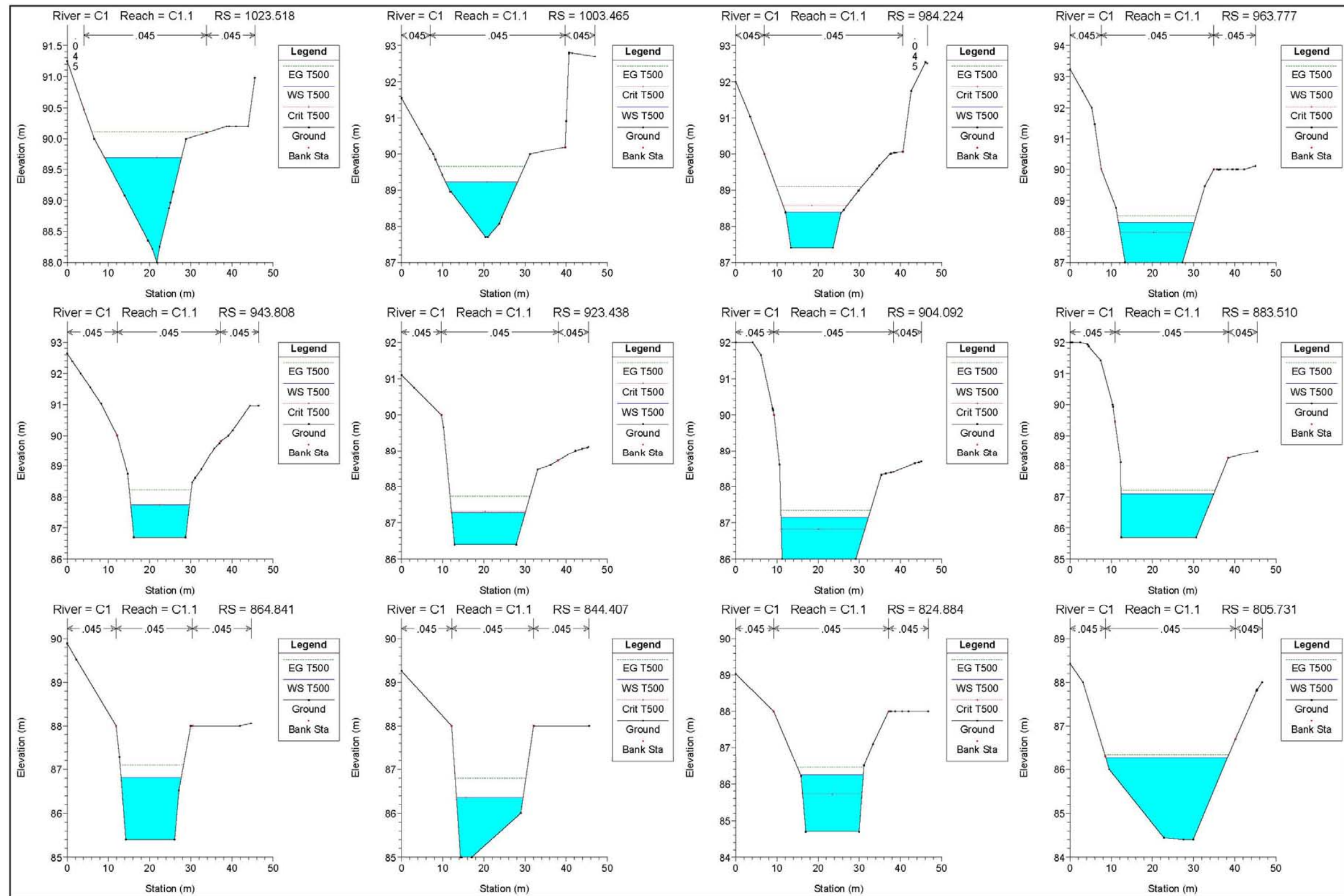




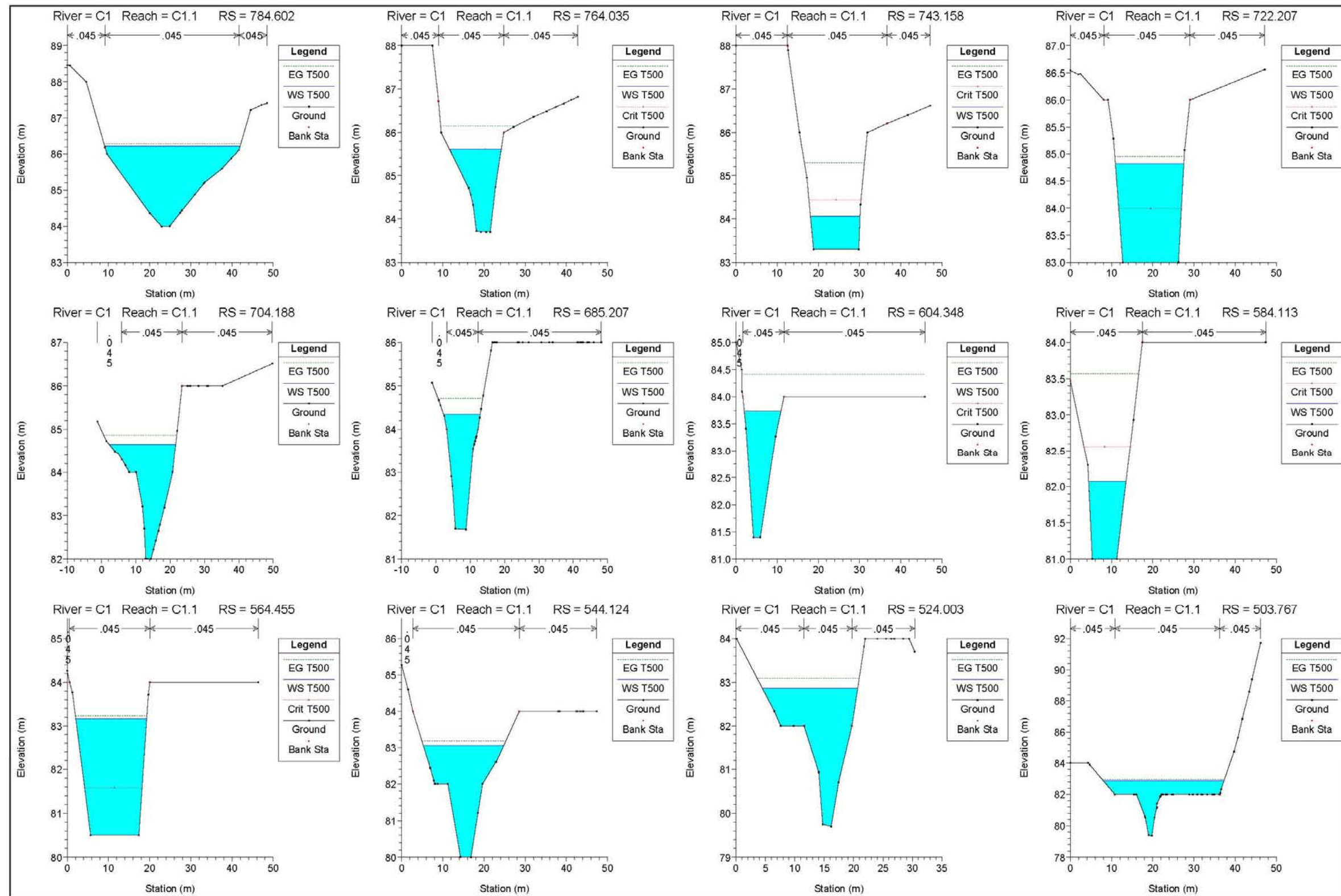
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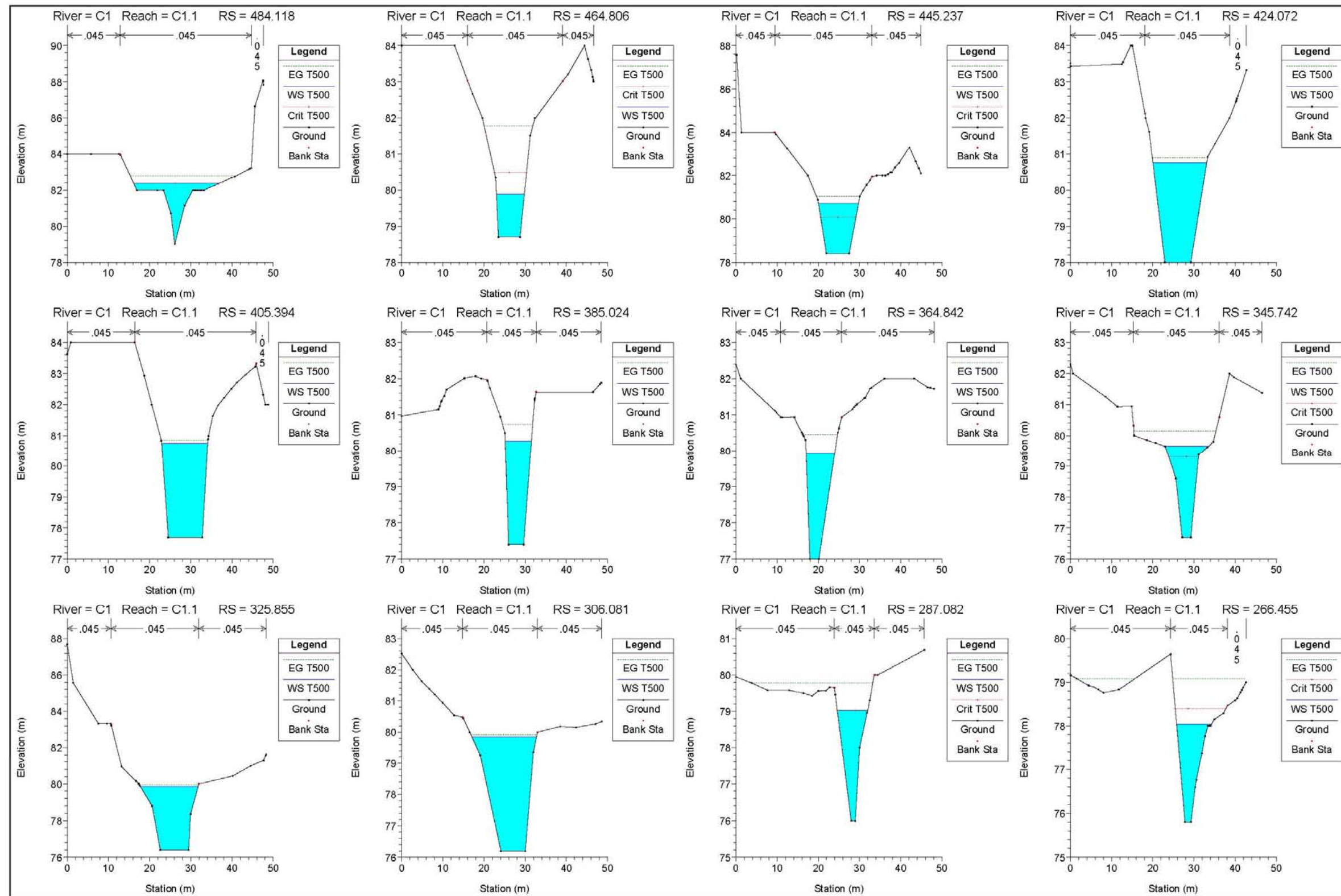
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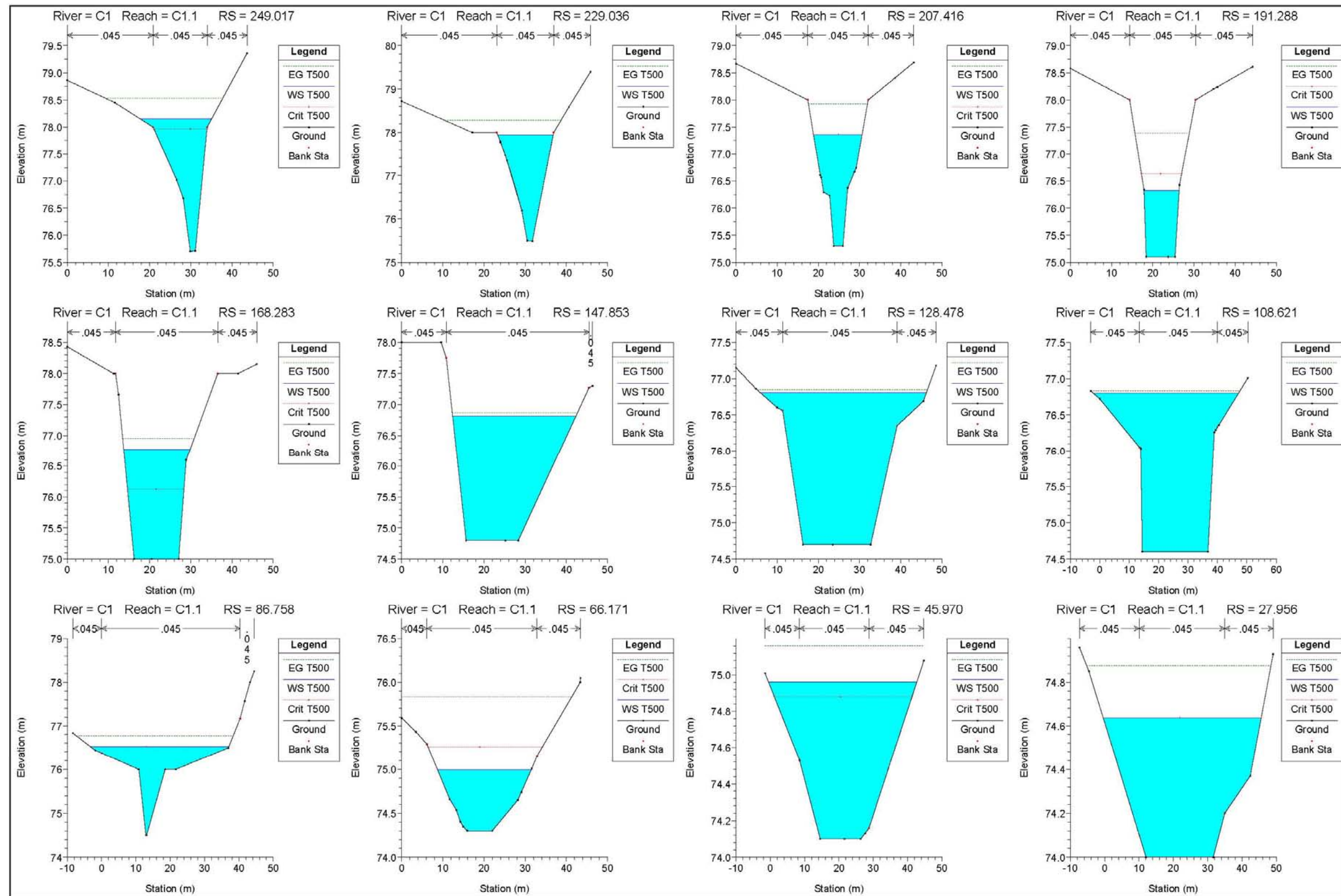
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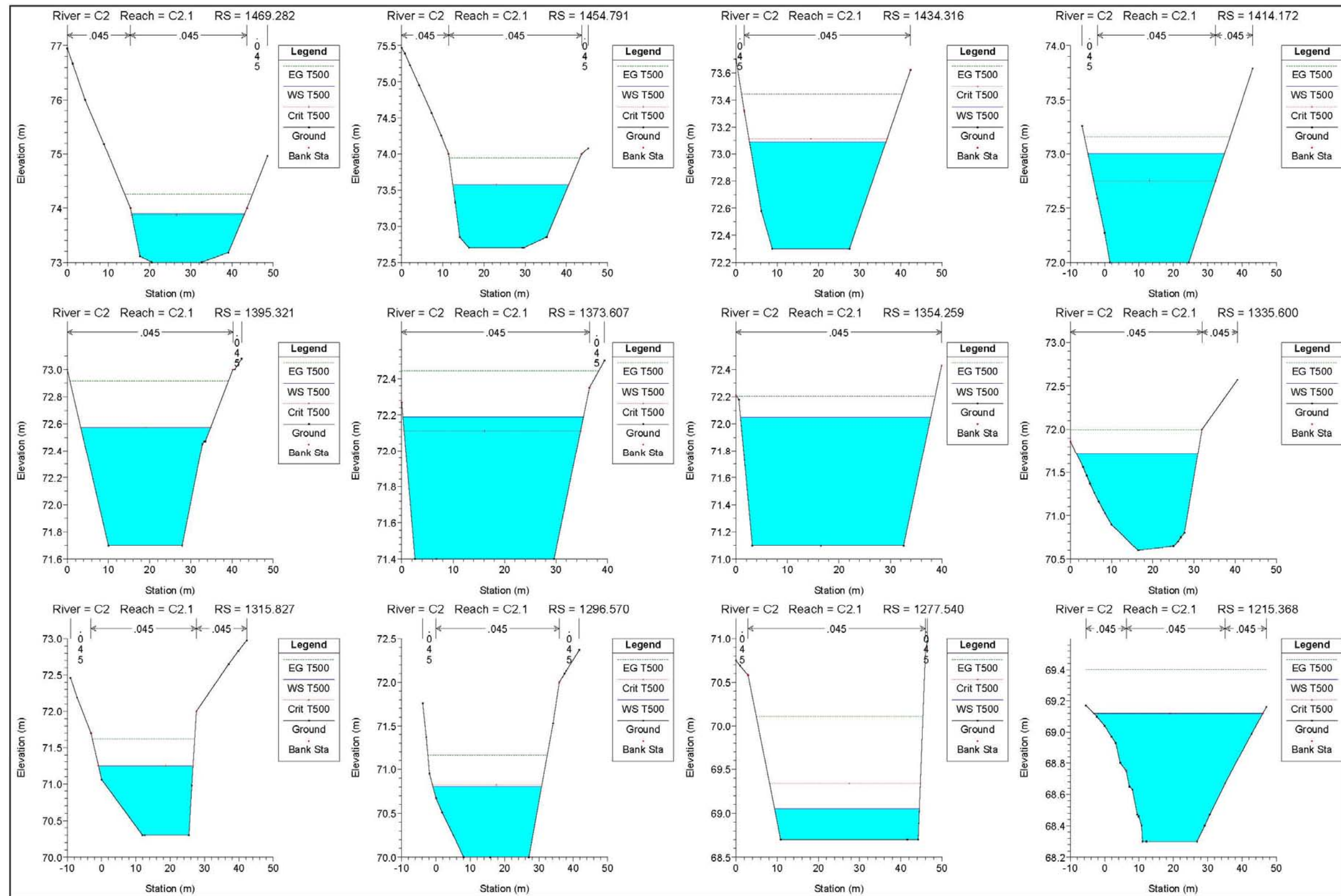
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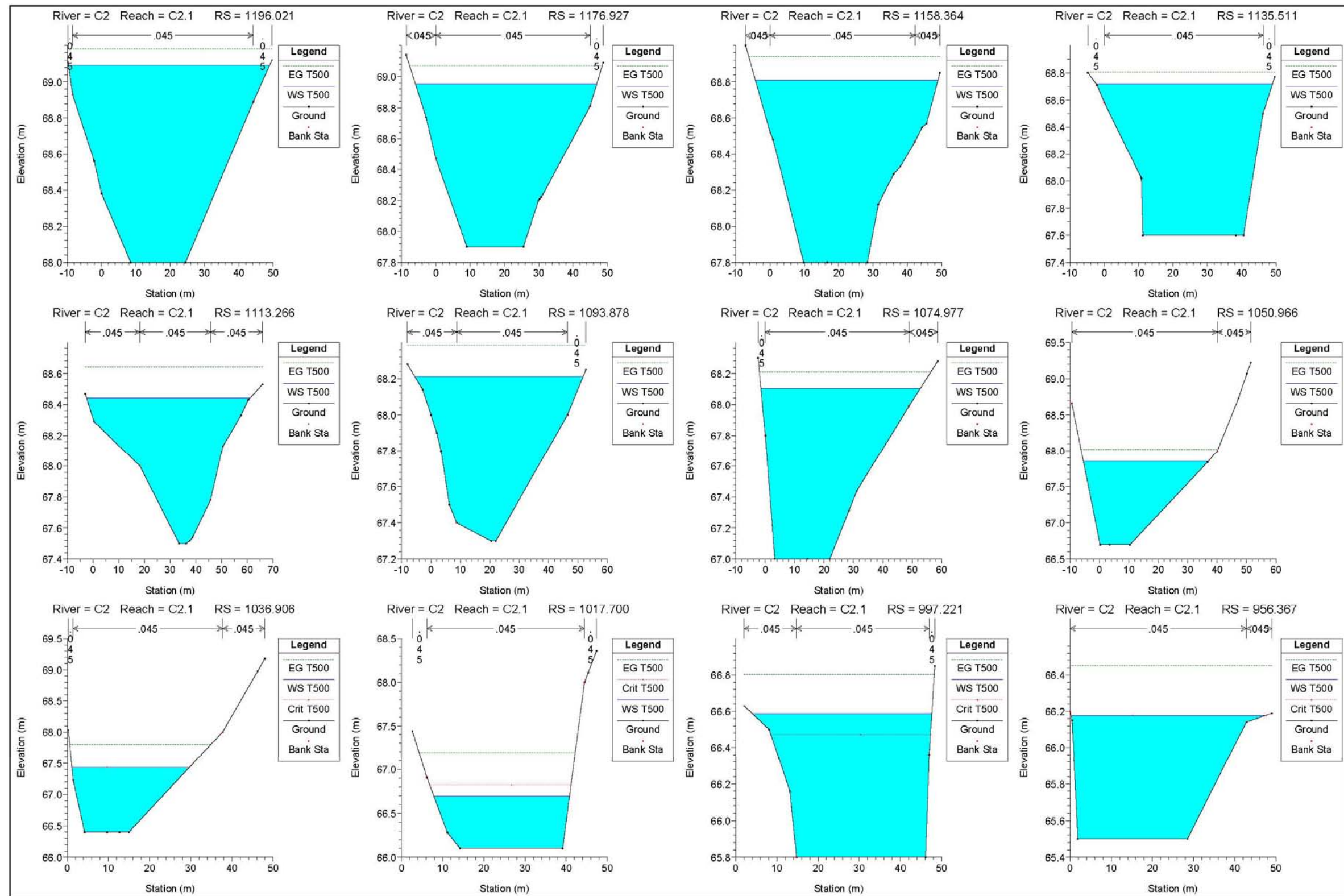
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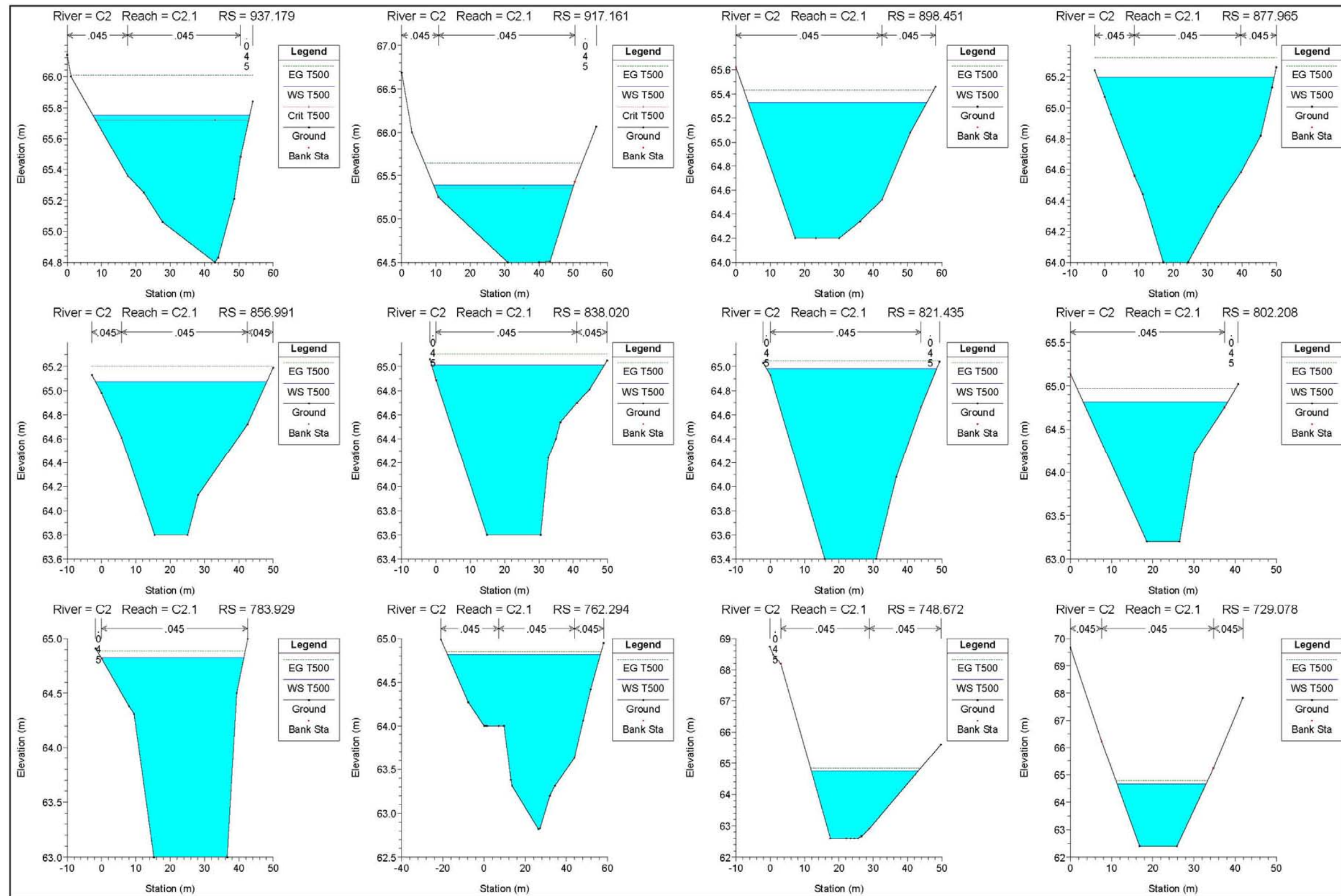
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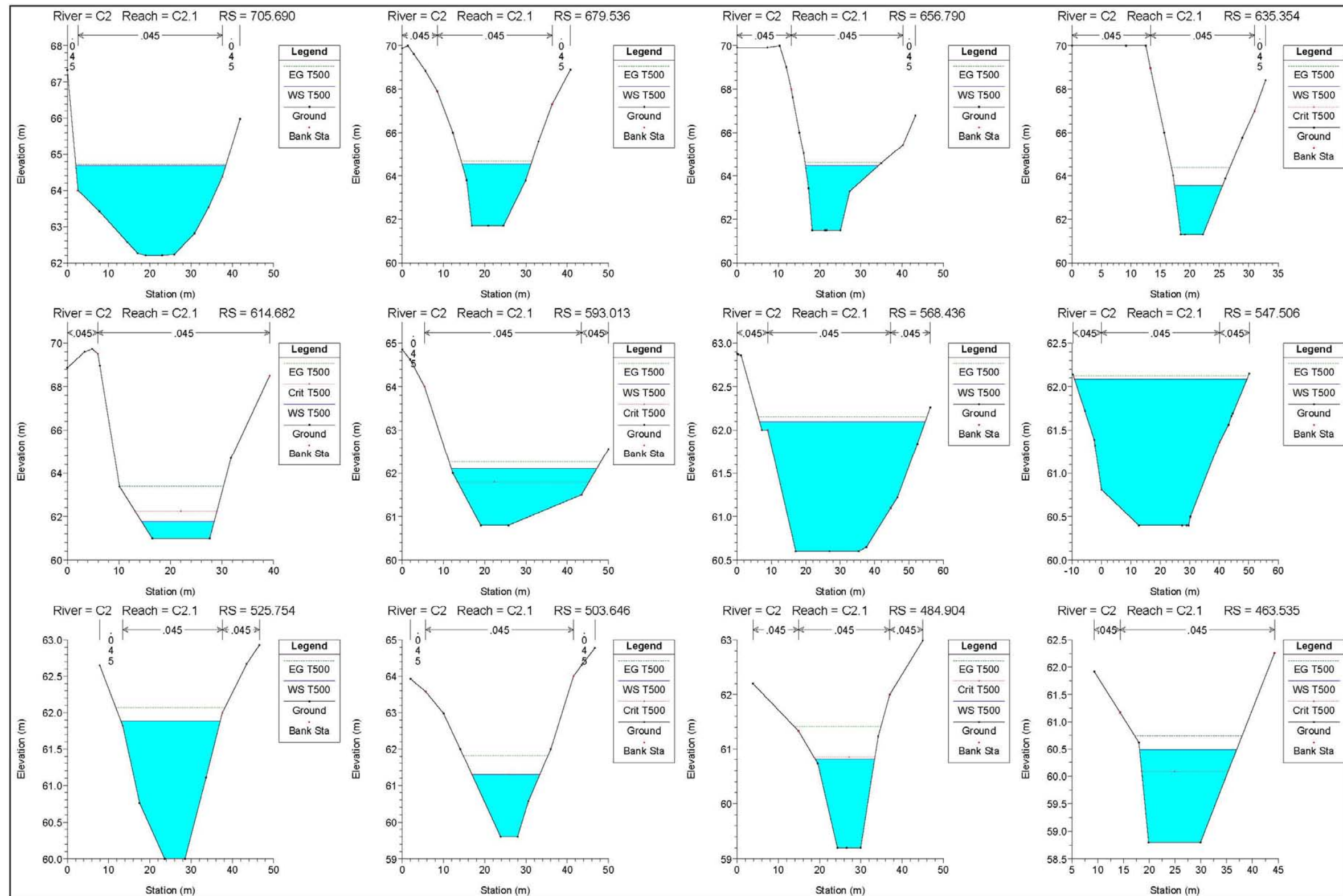
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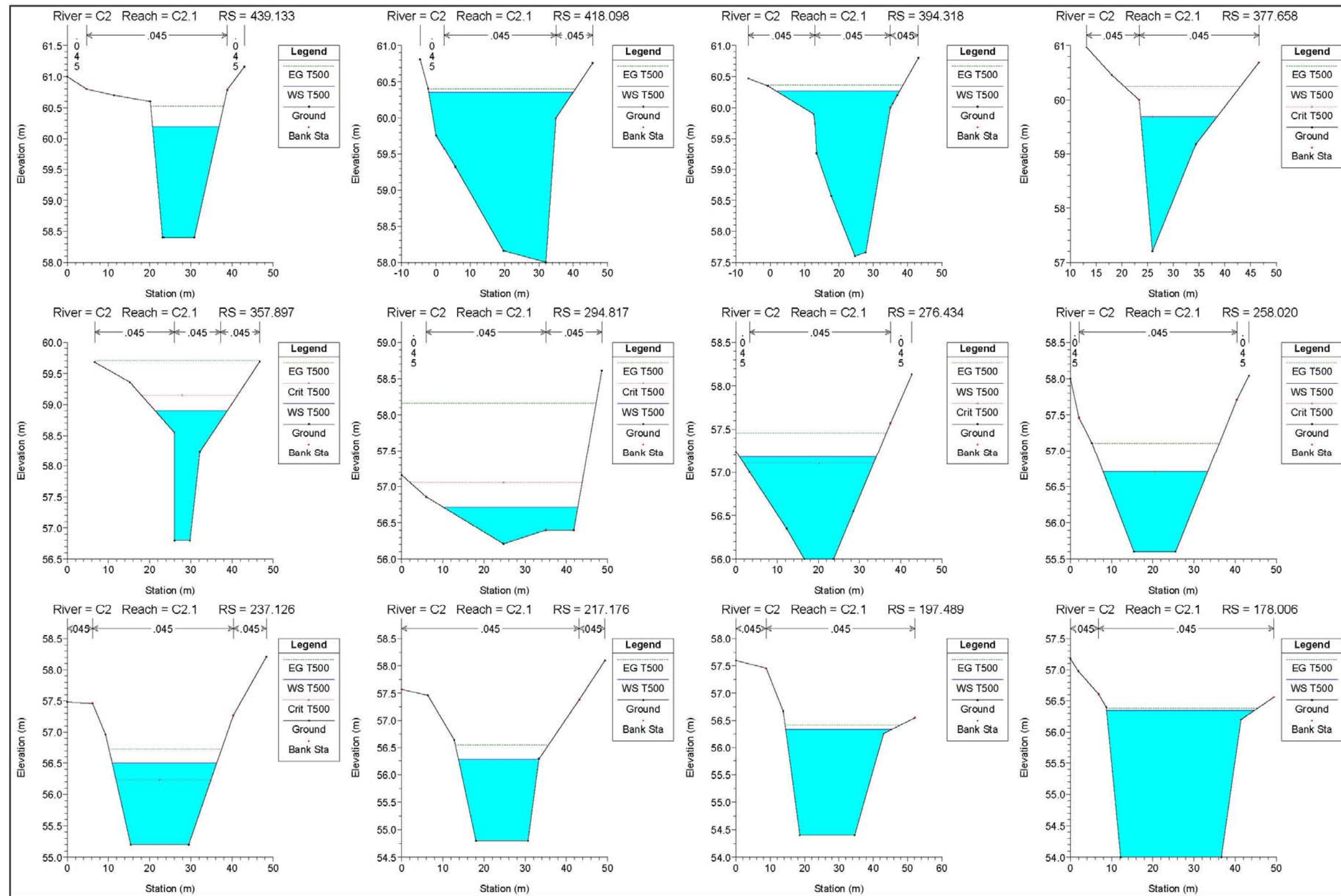


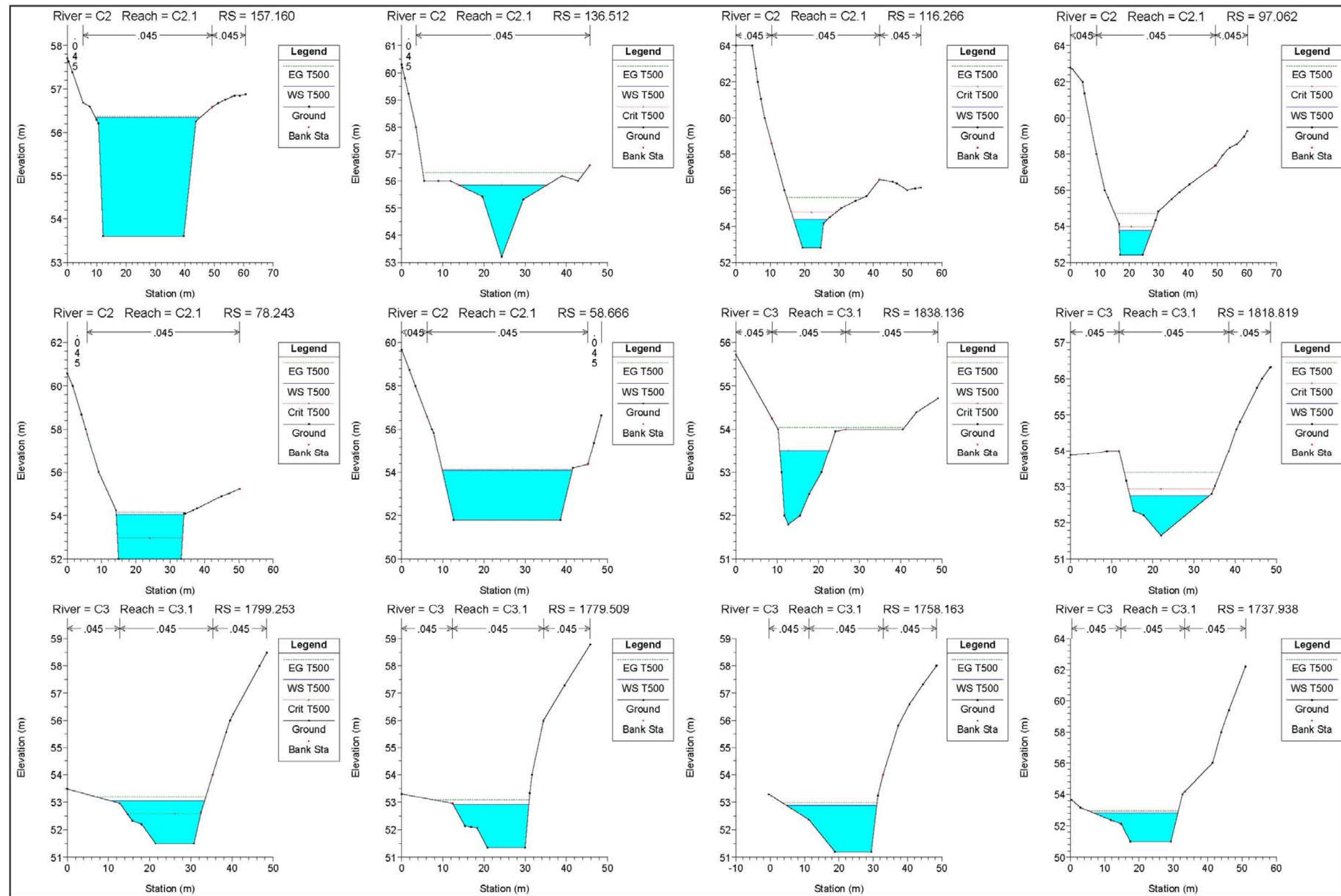
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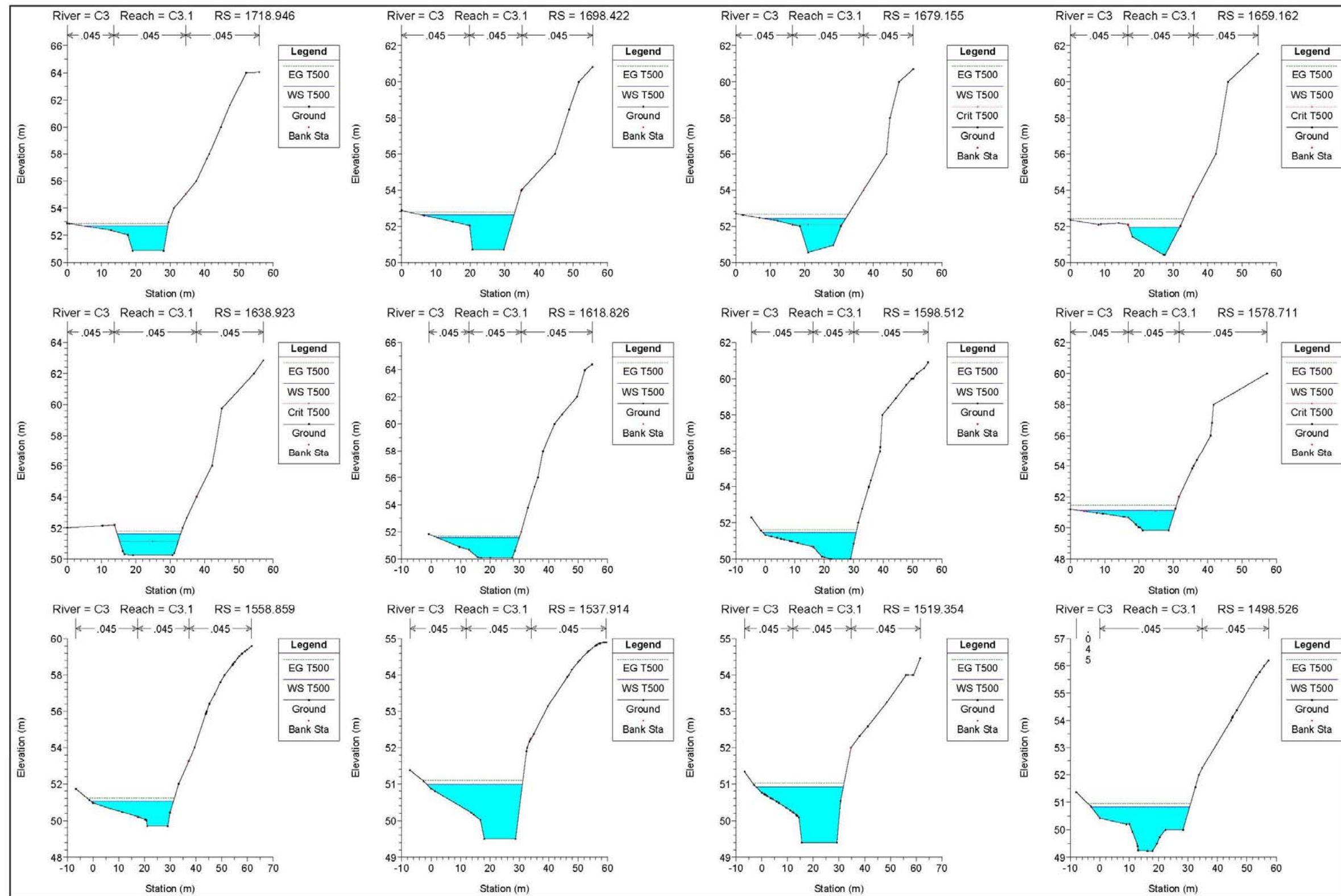


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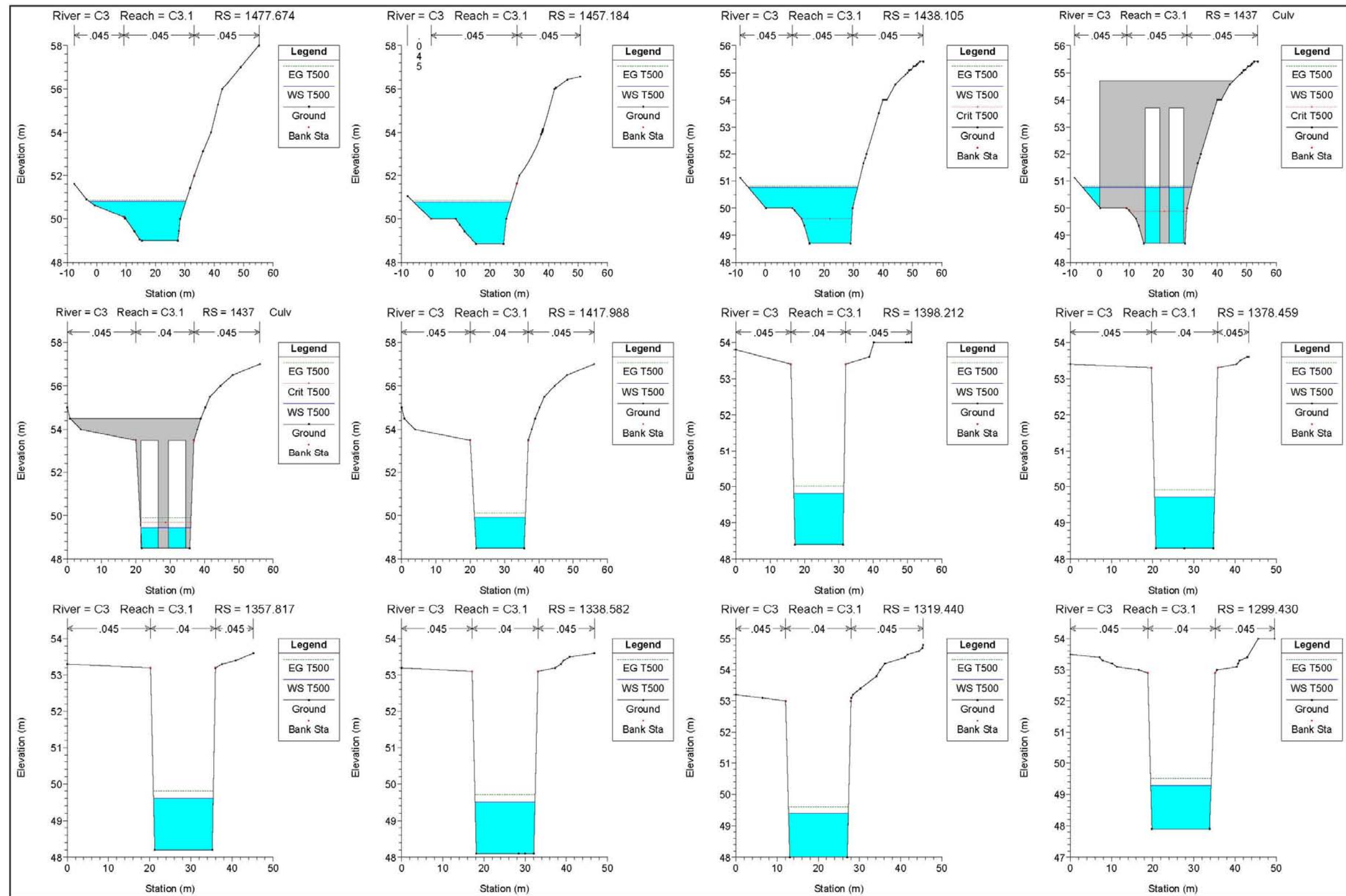


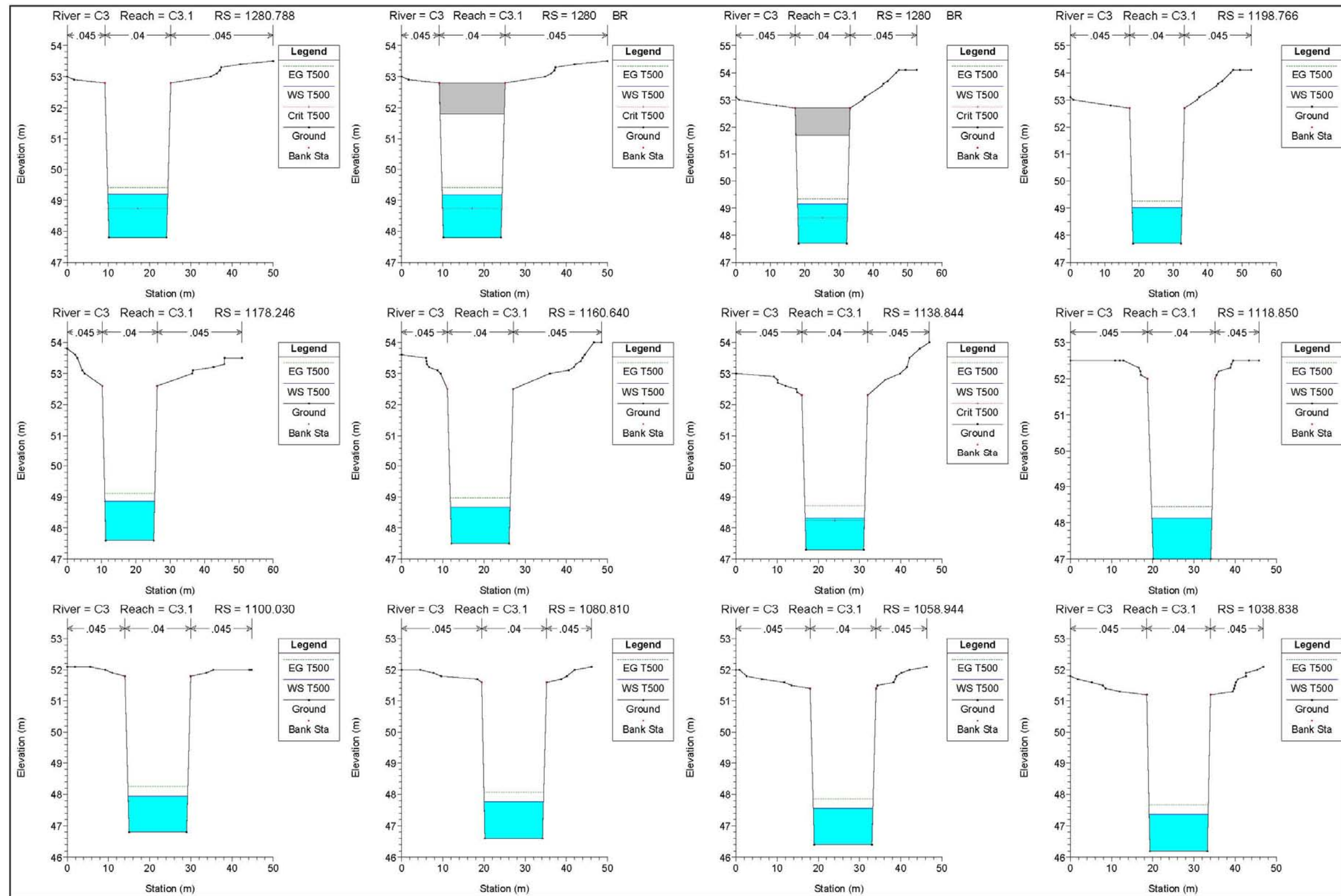




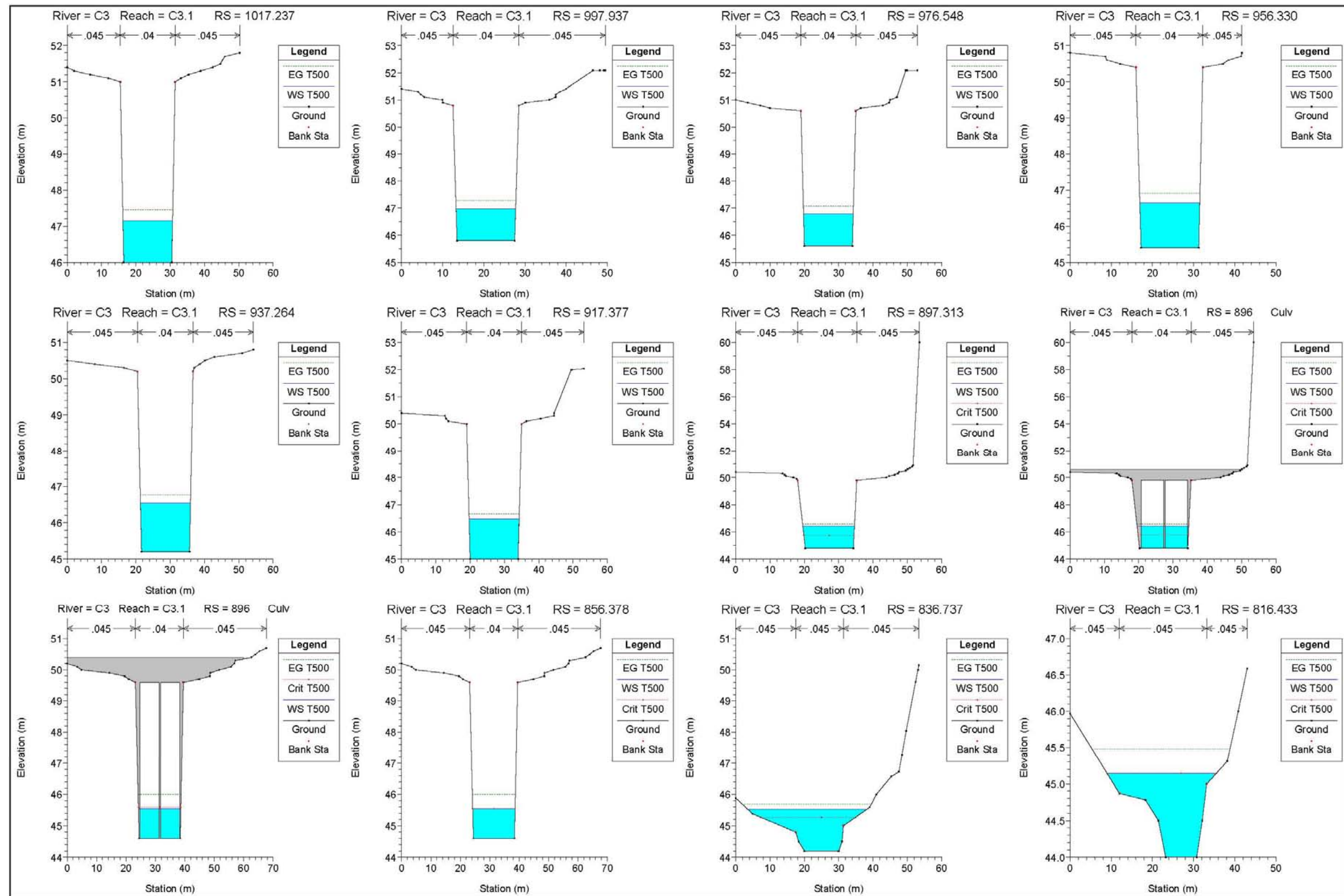


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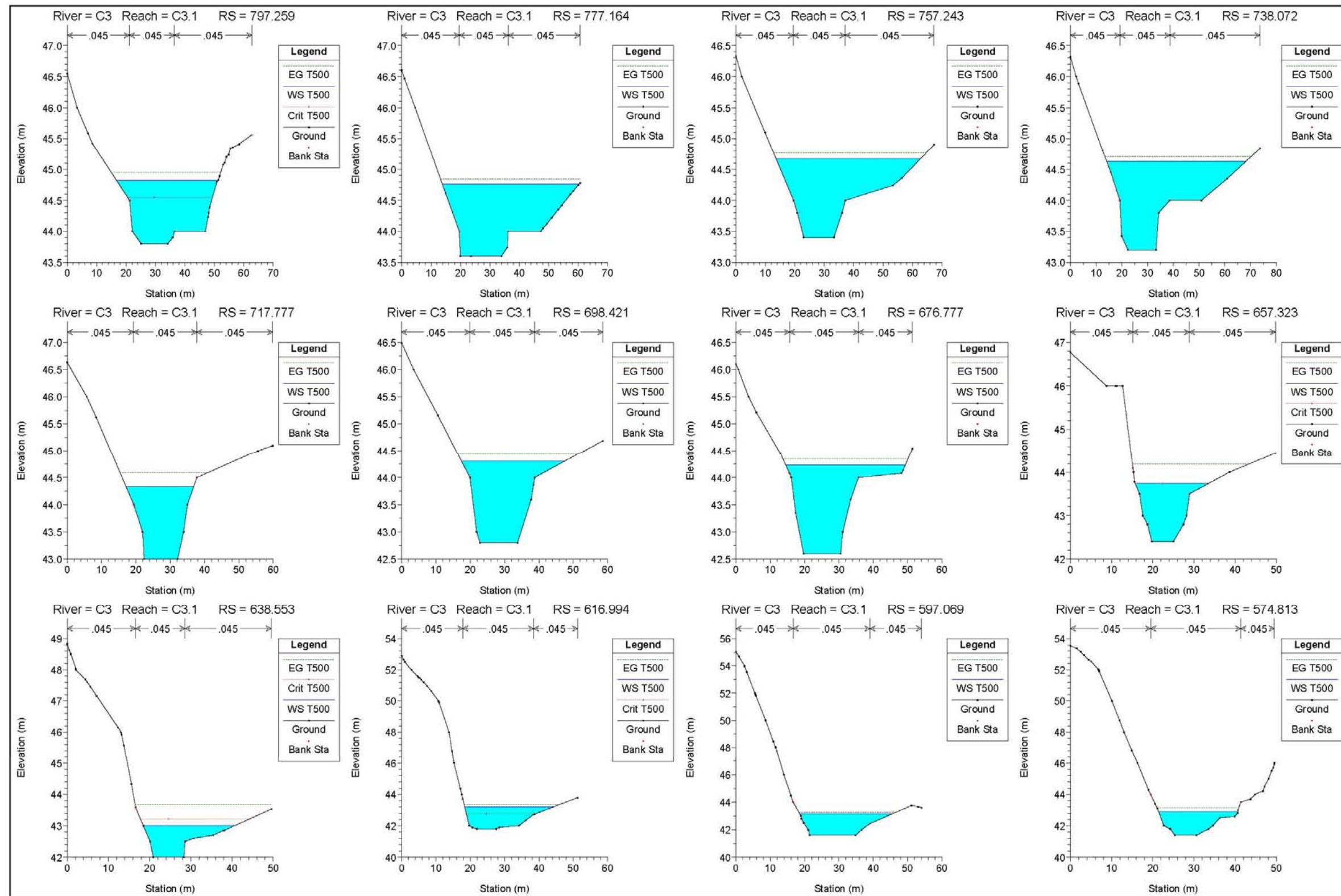


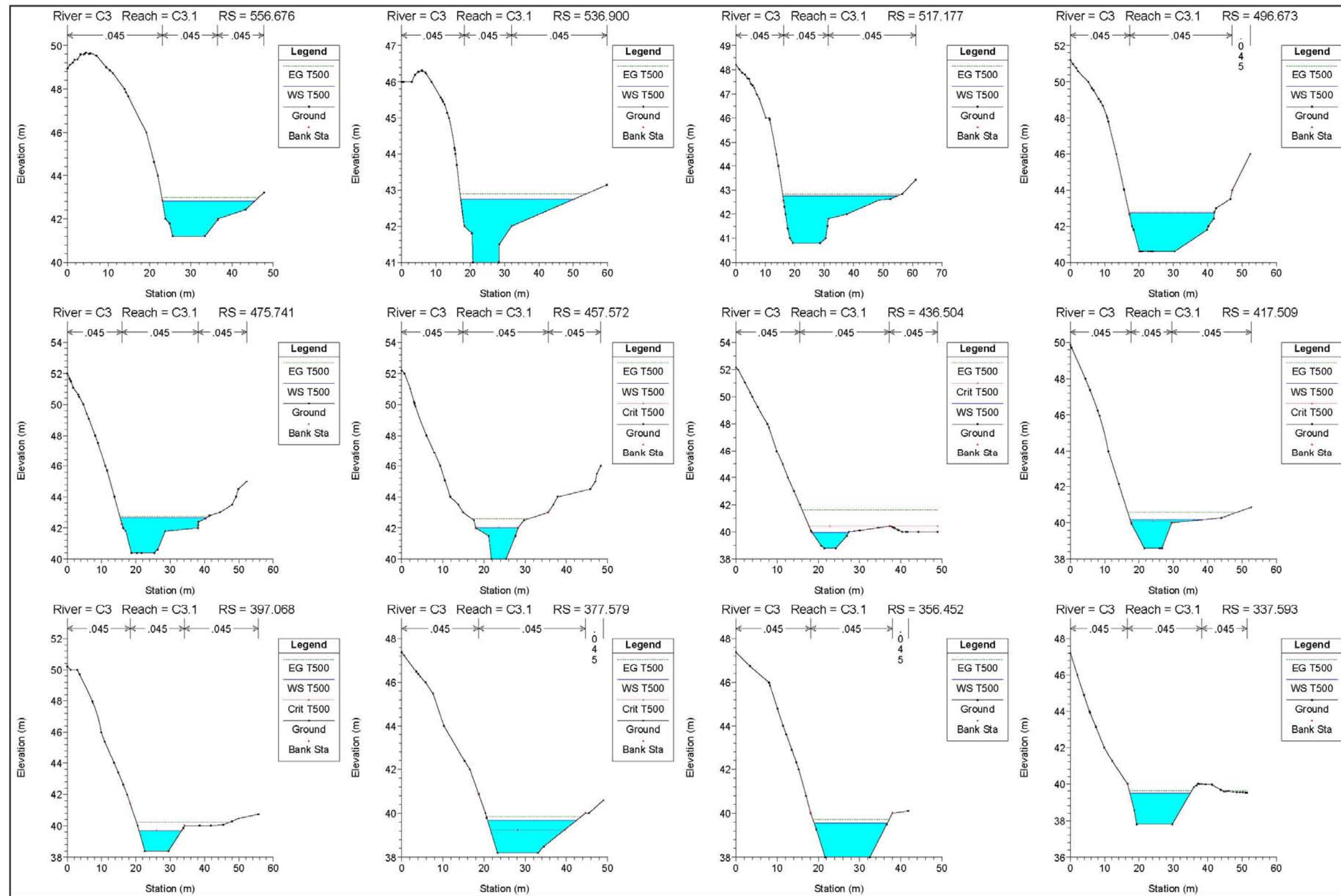


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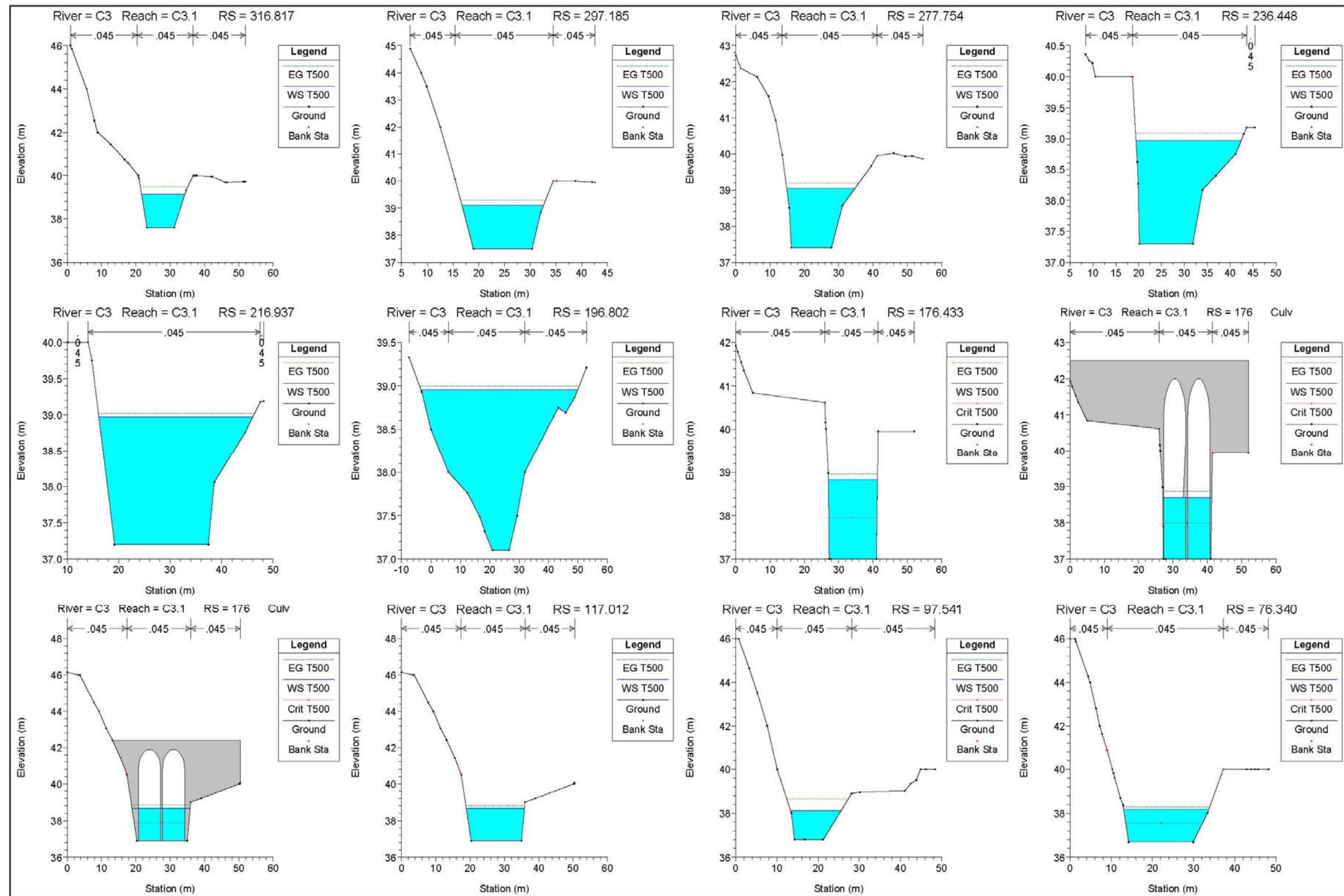


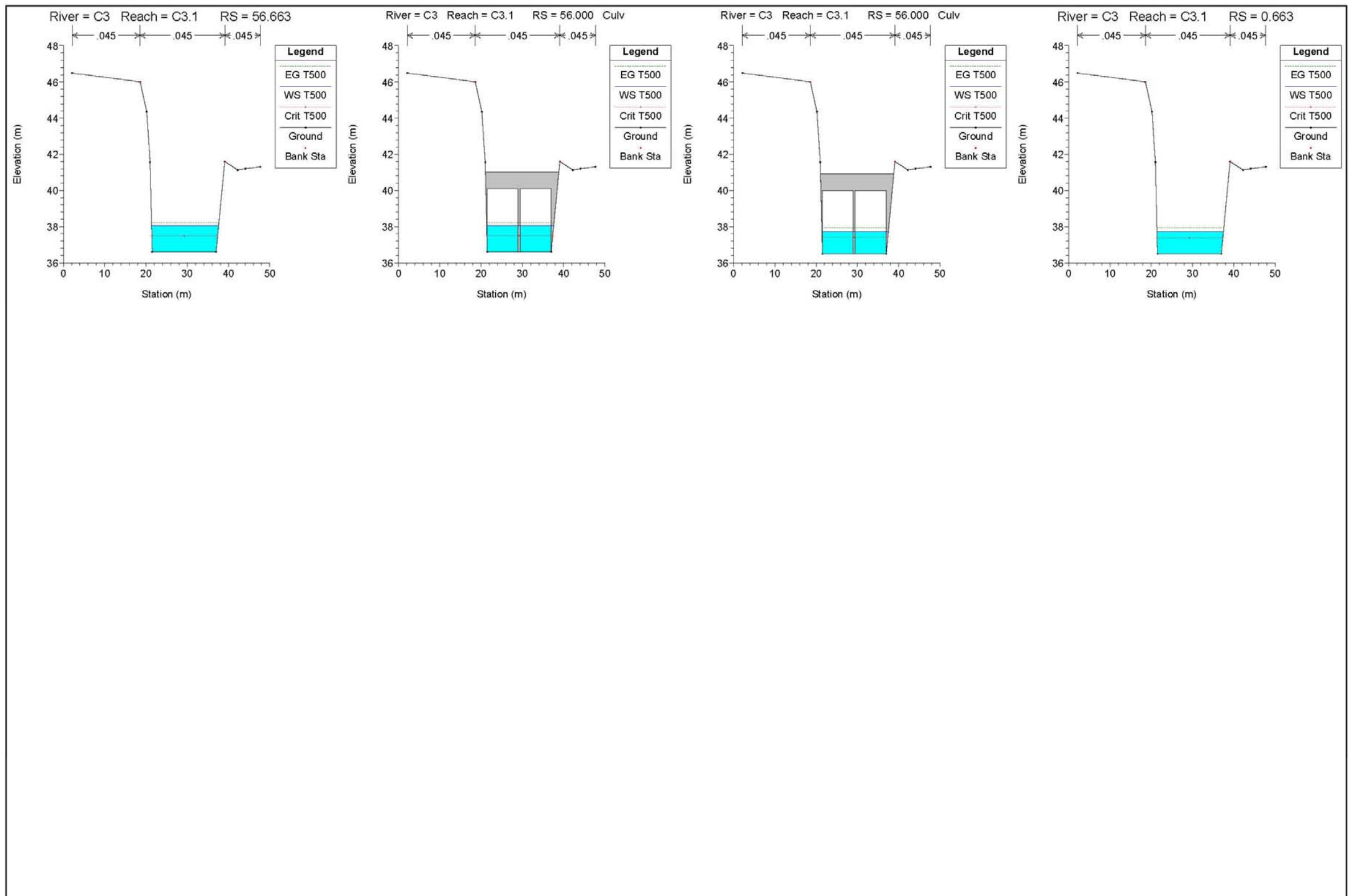
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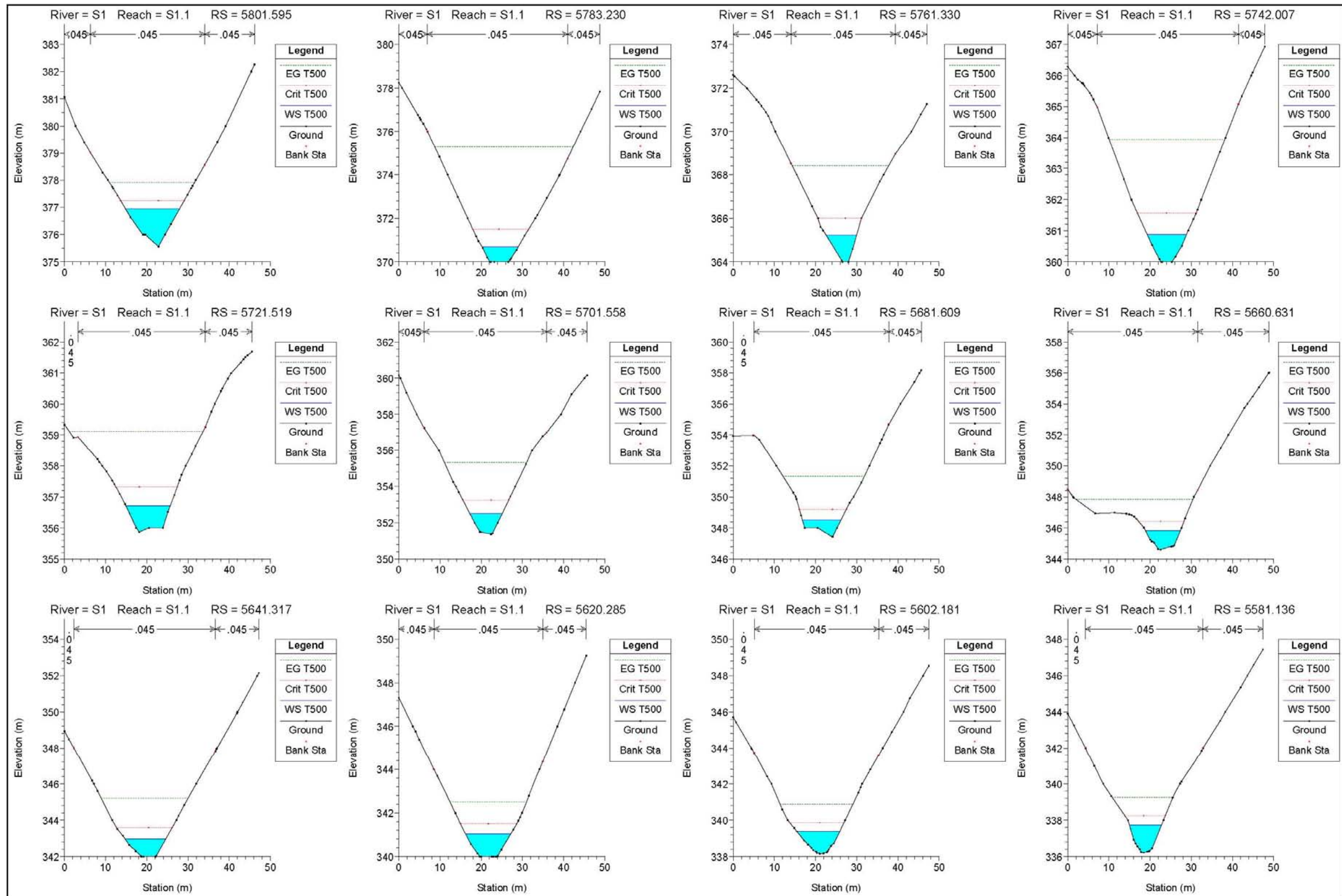


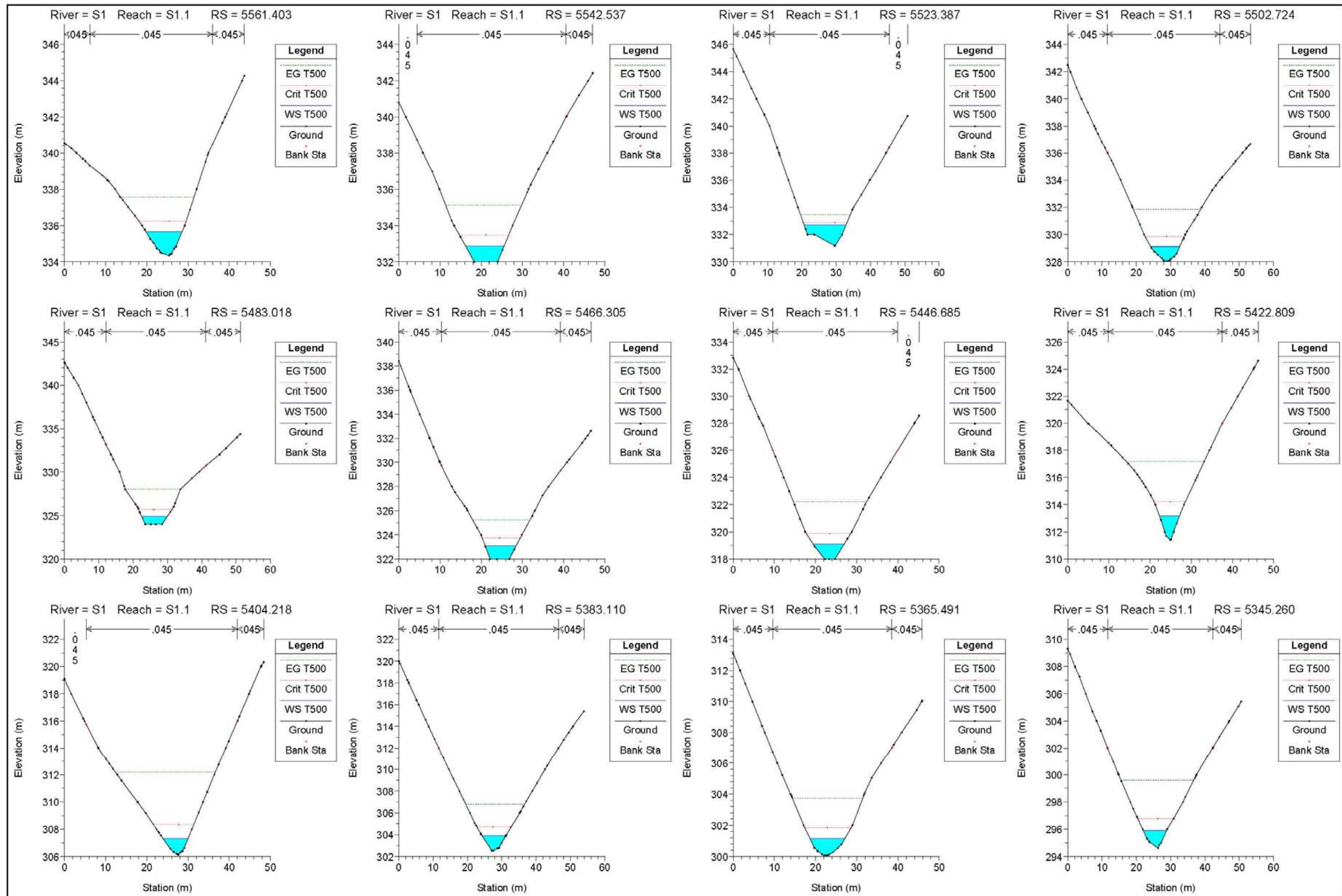
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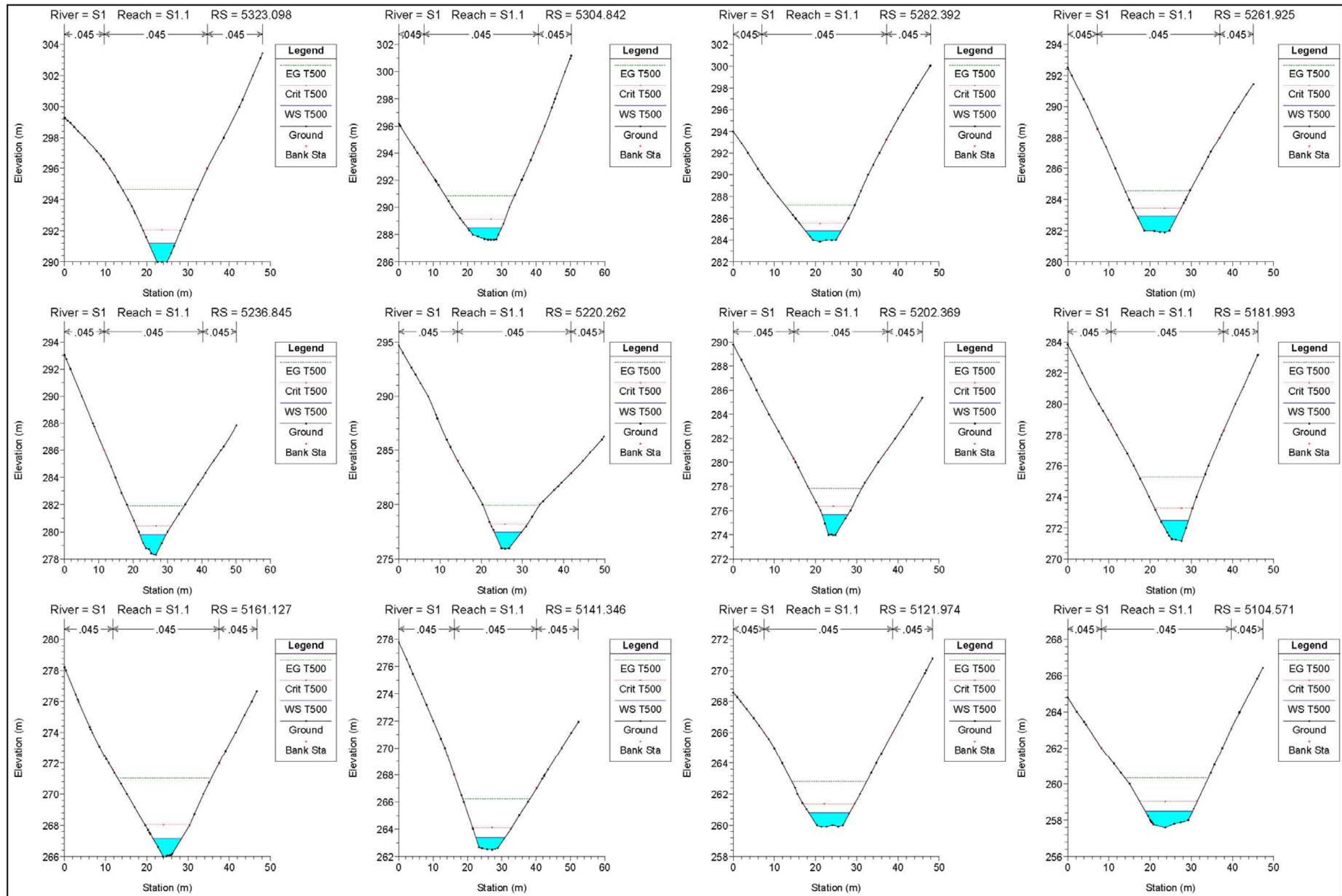


3.5.3.2.- Arroyo de la Salud

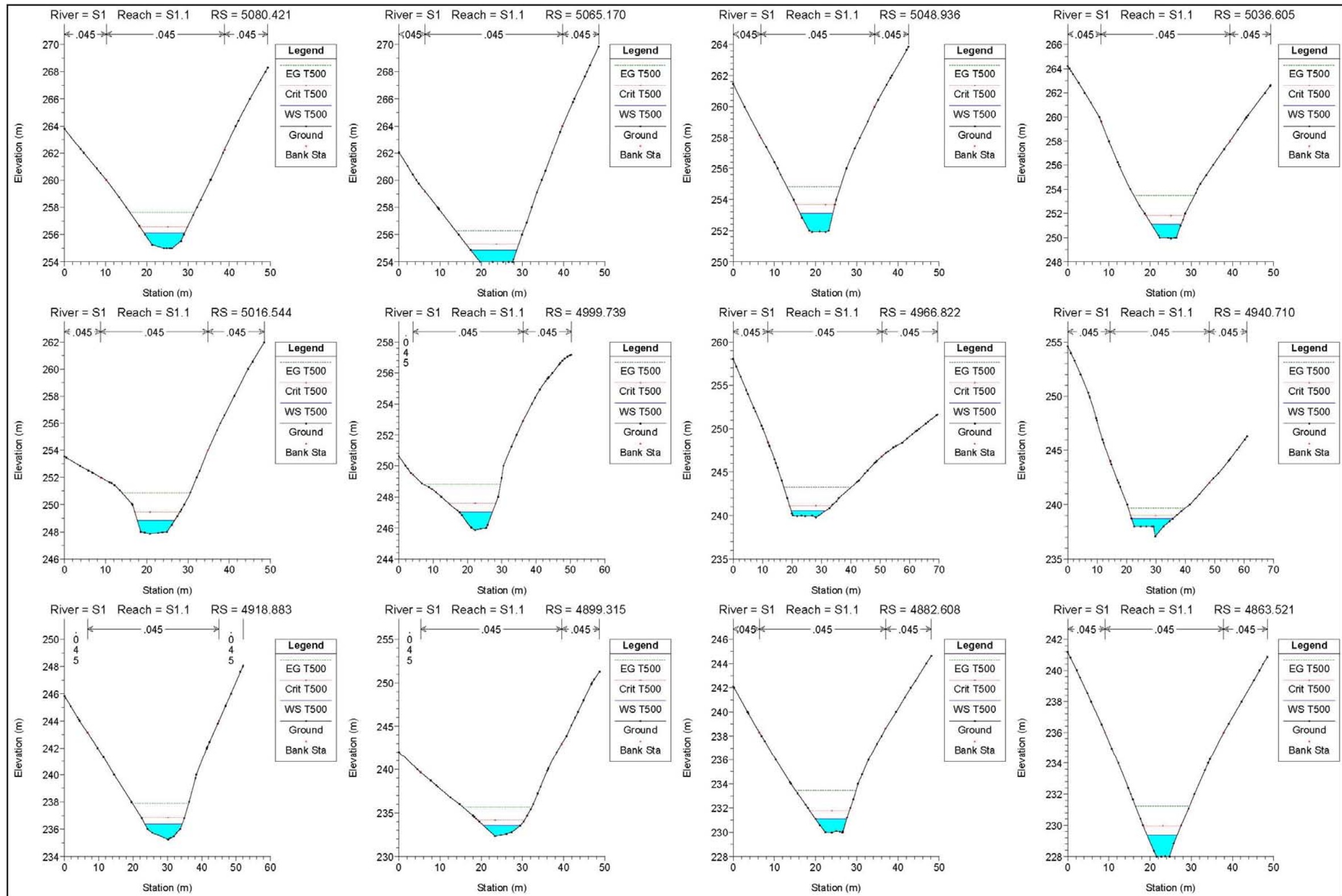


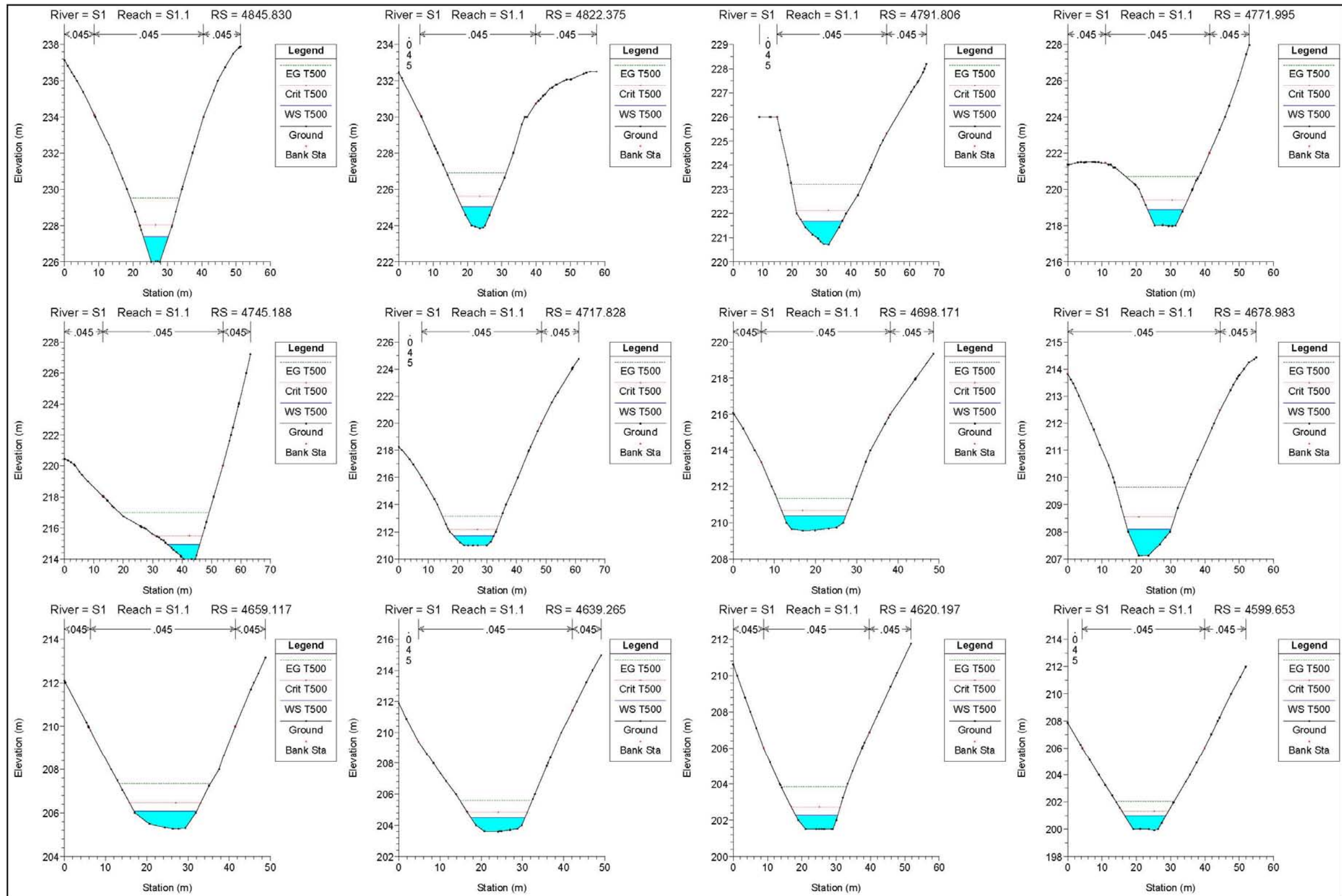


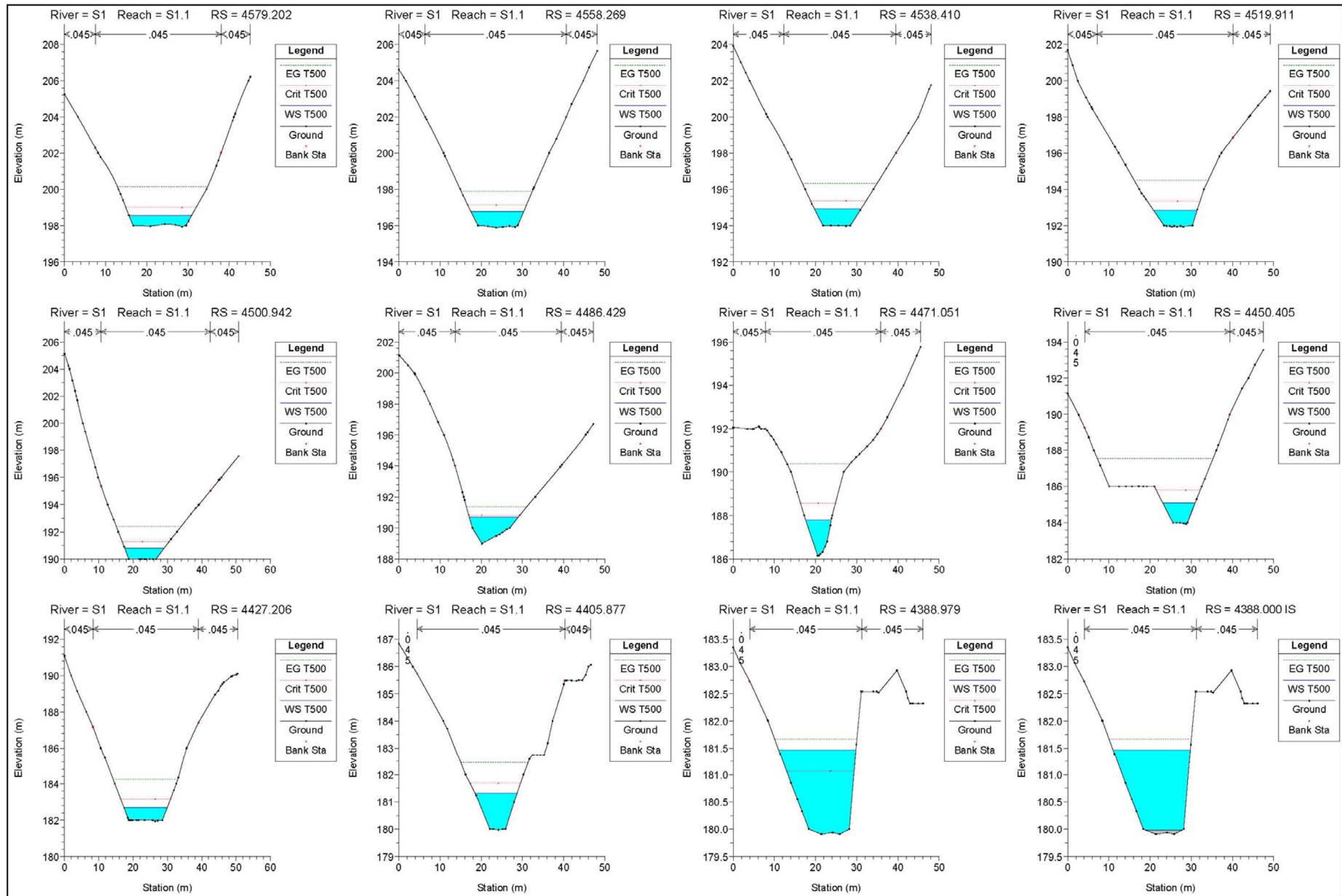
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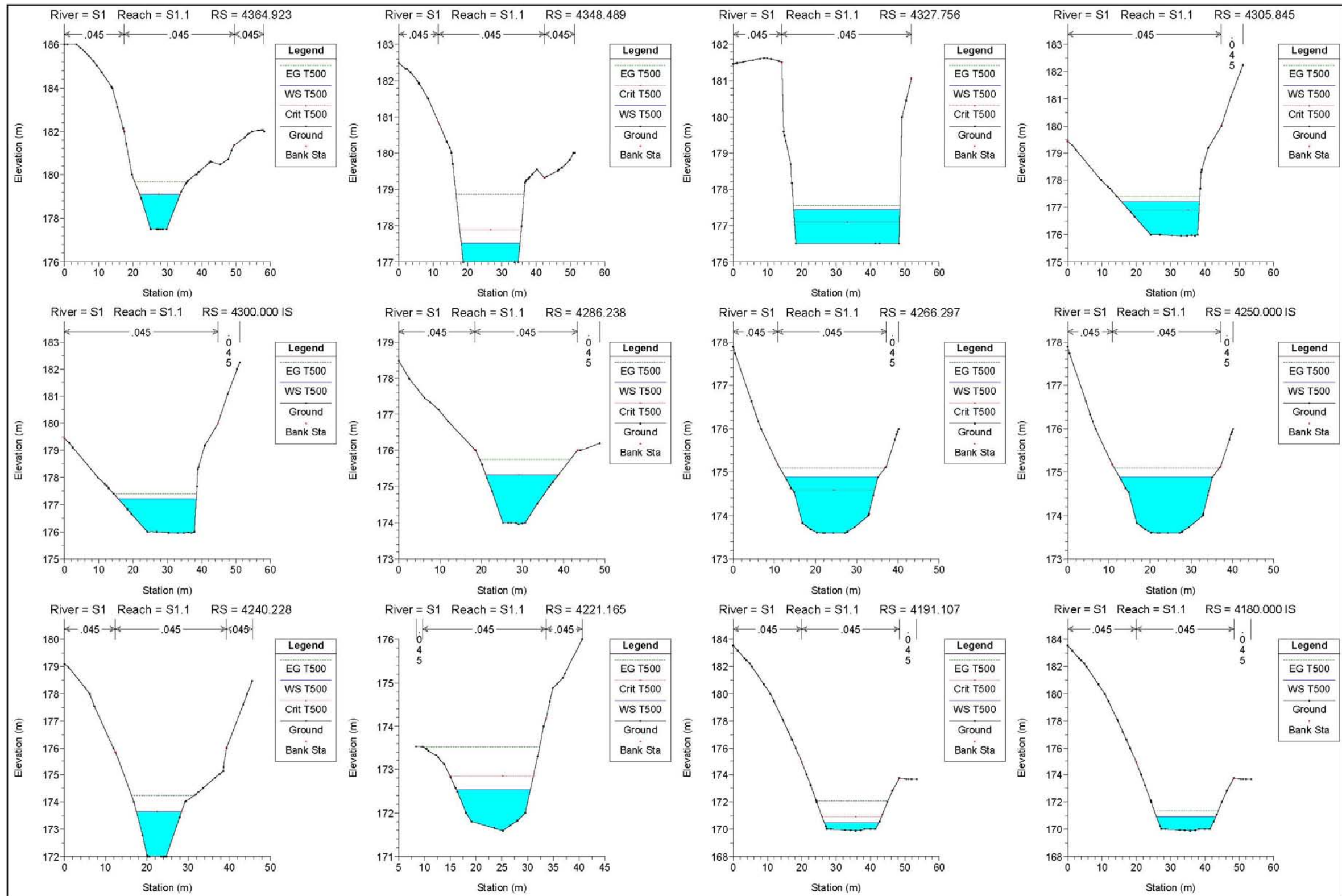


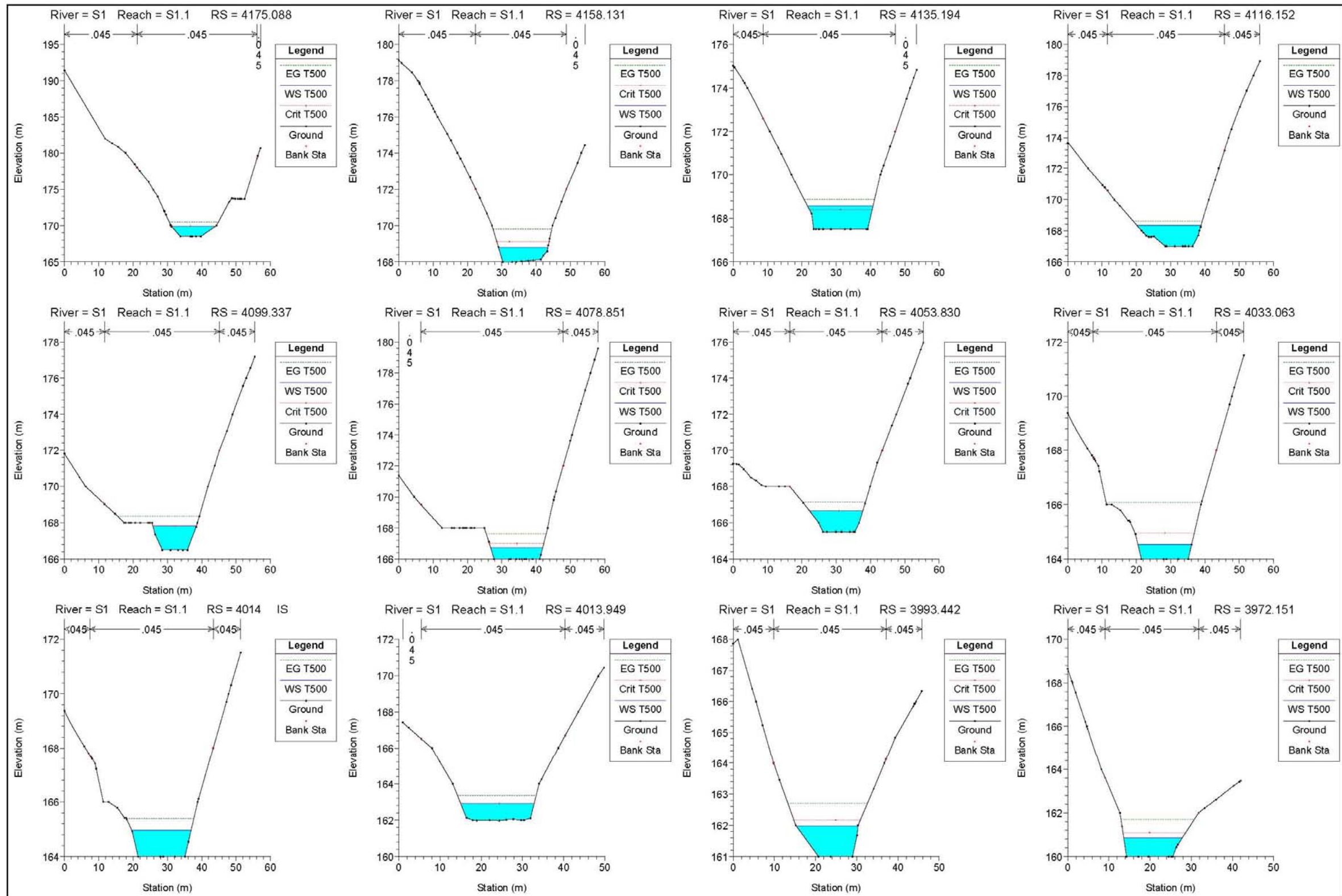
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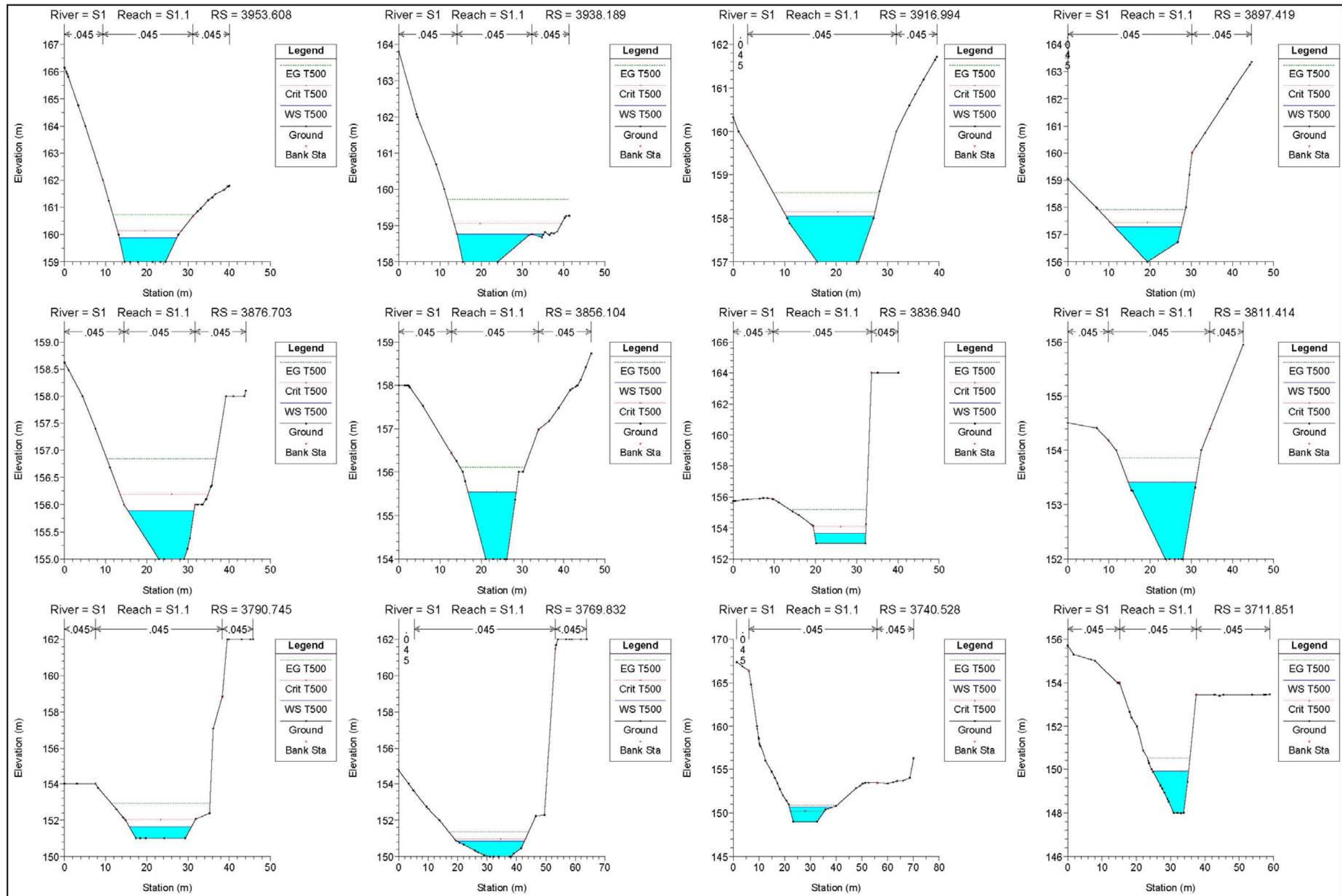


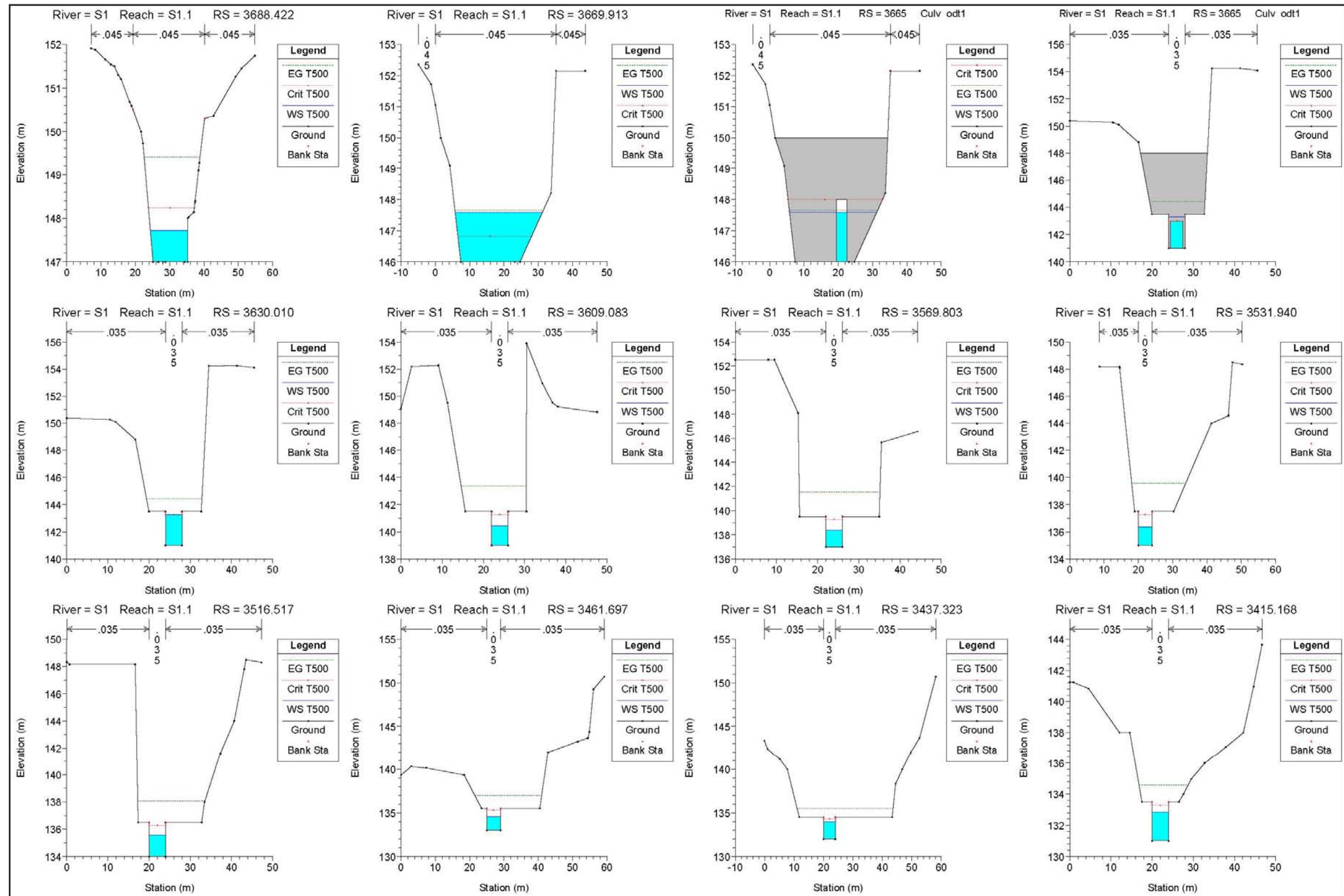


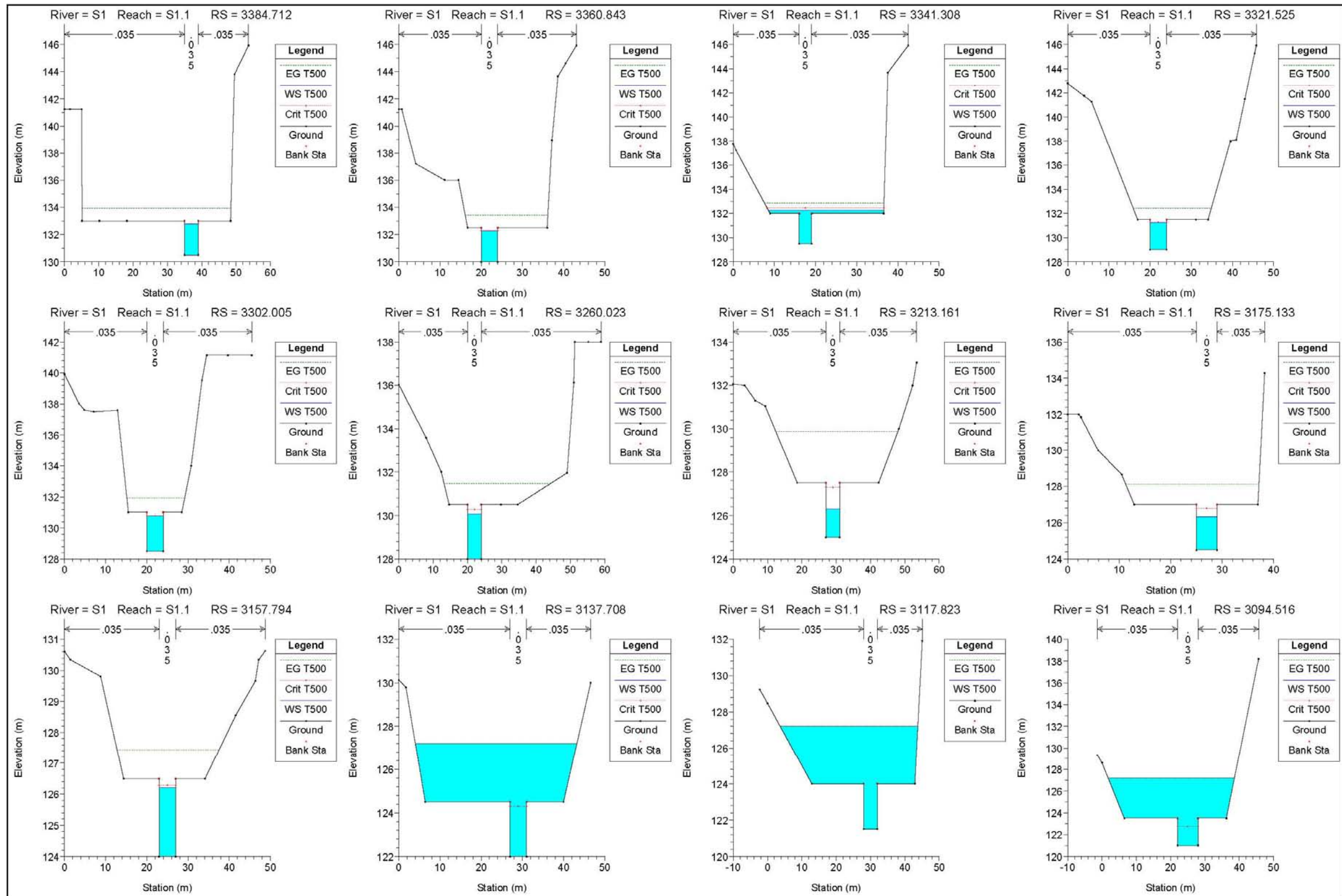




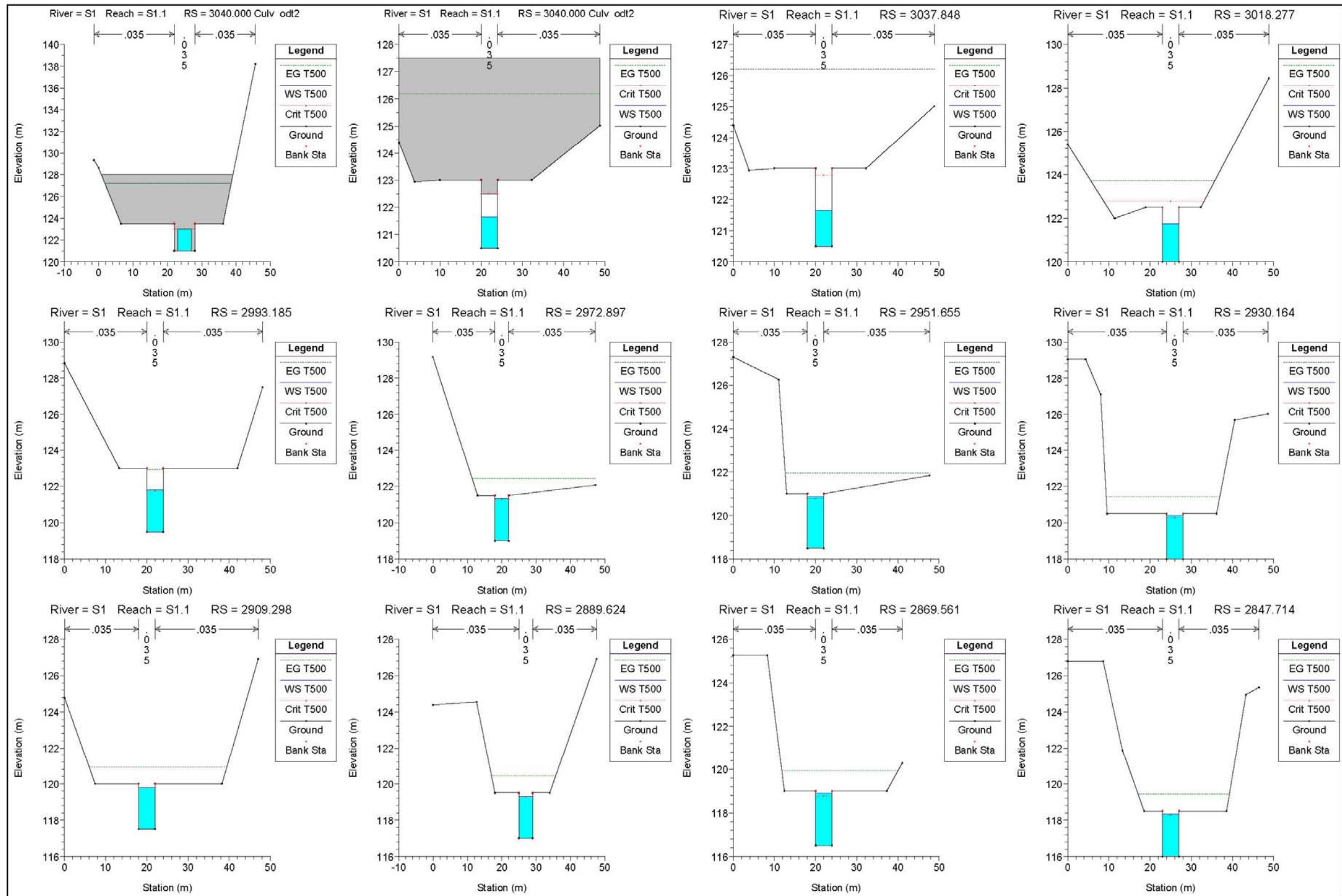
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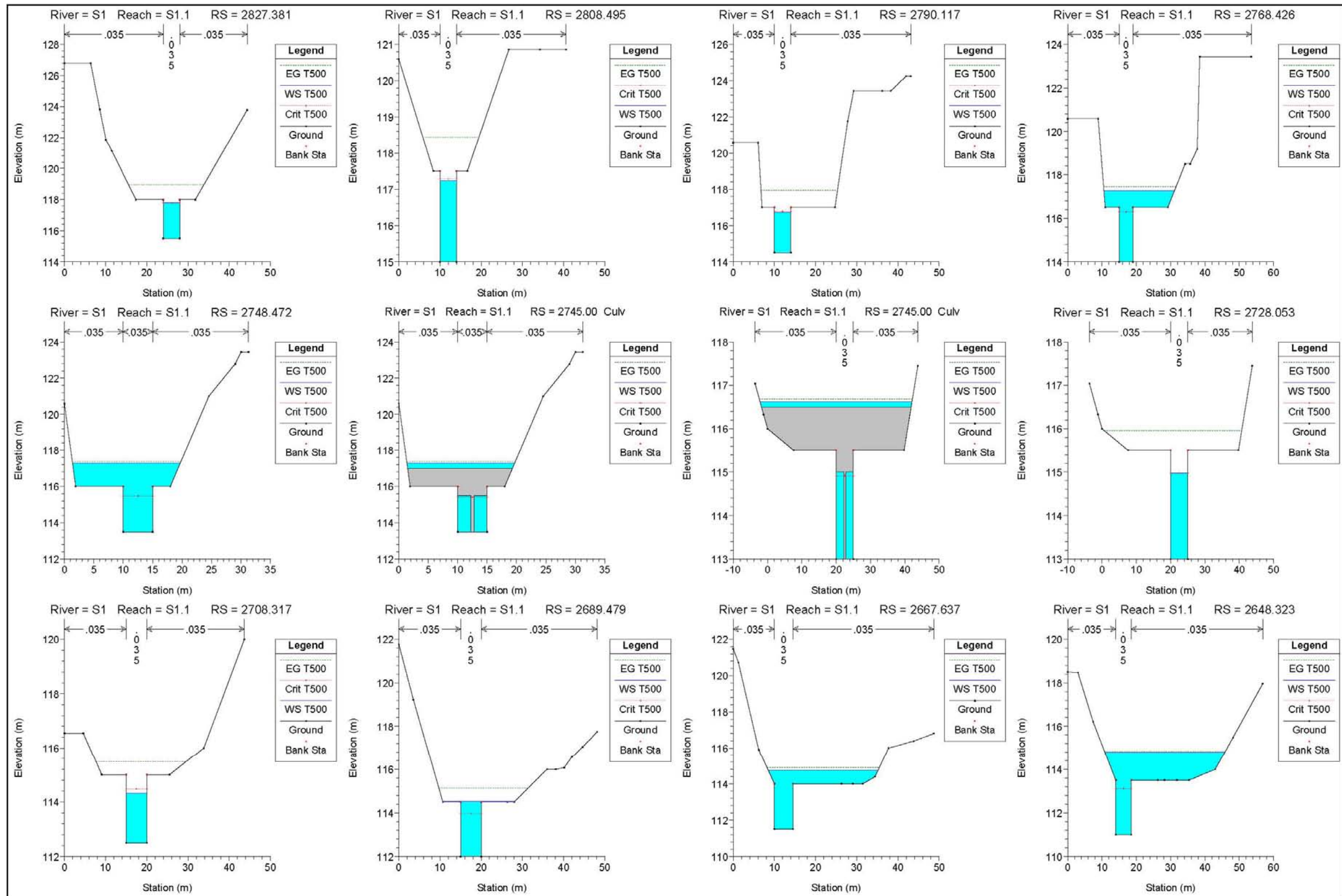


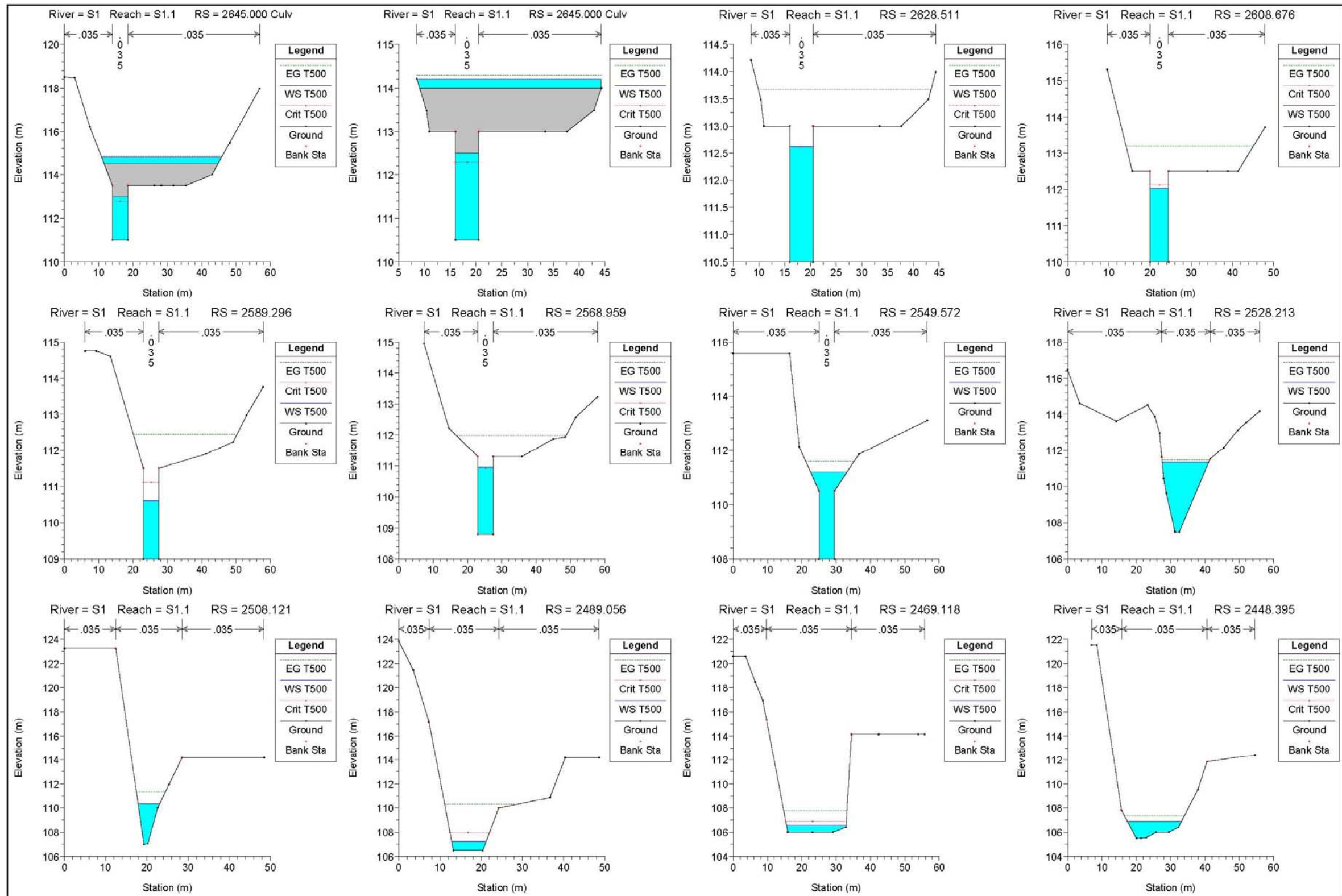


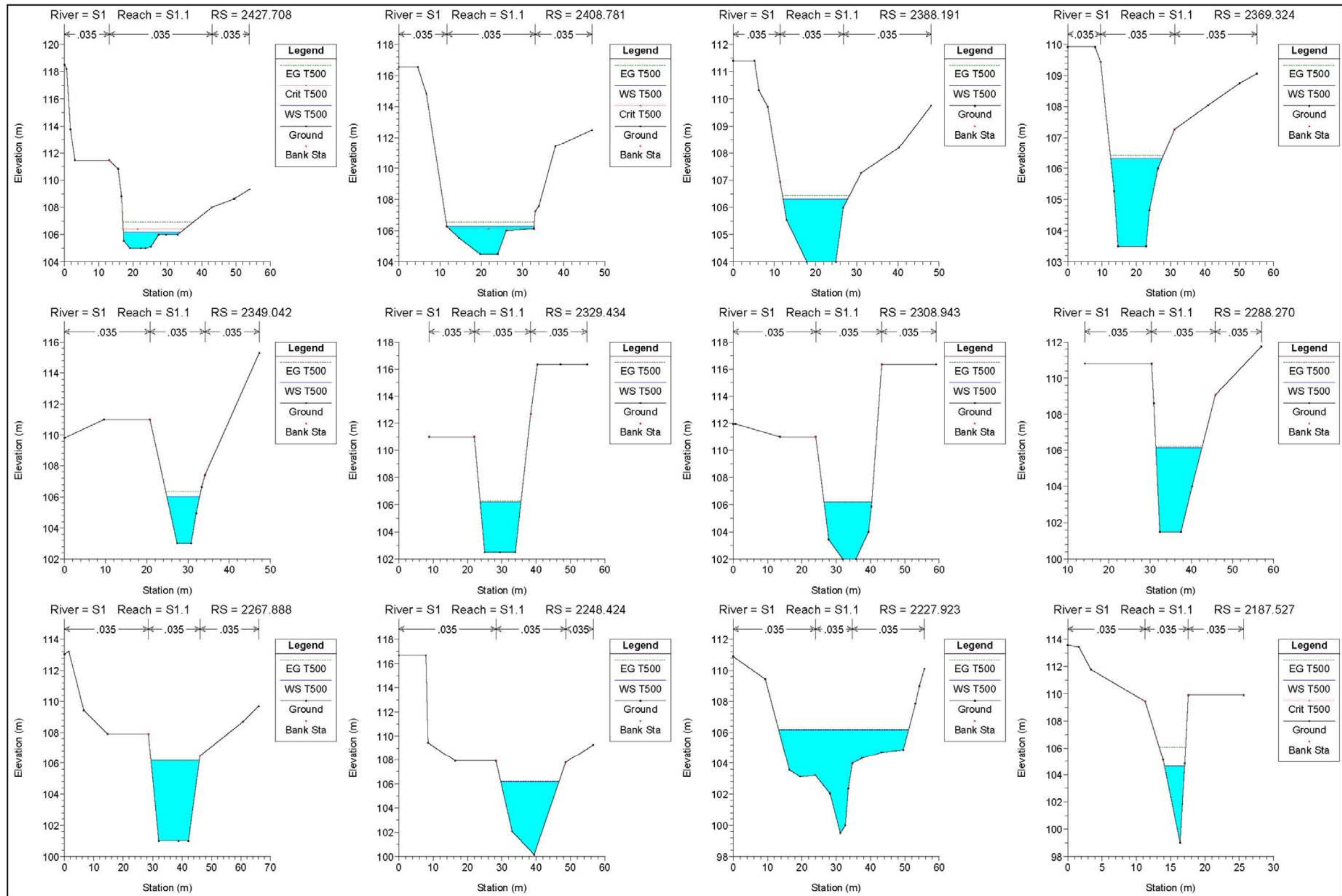
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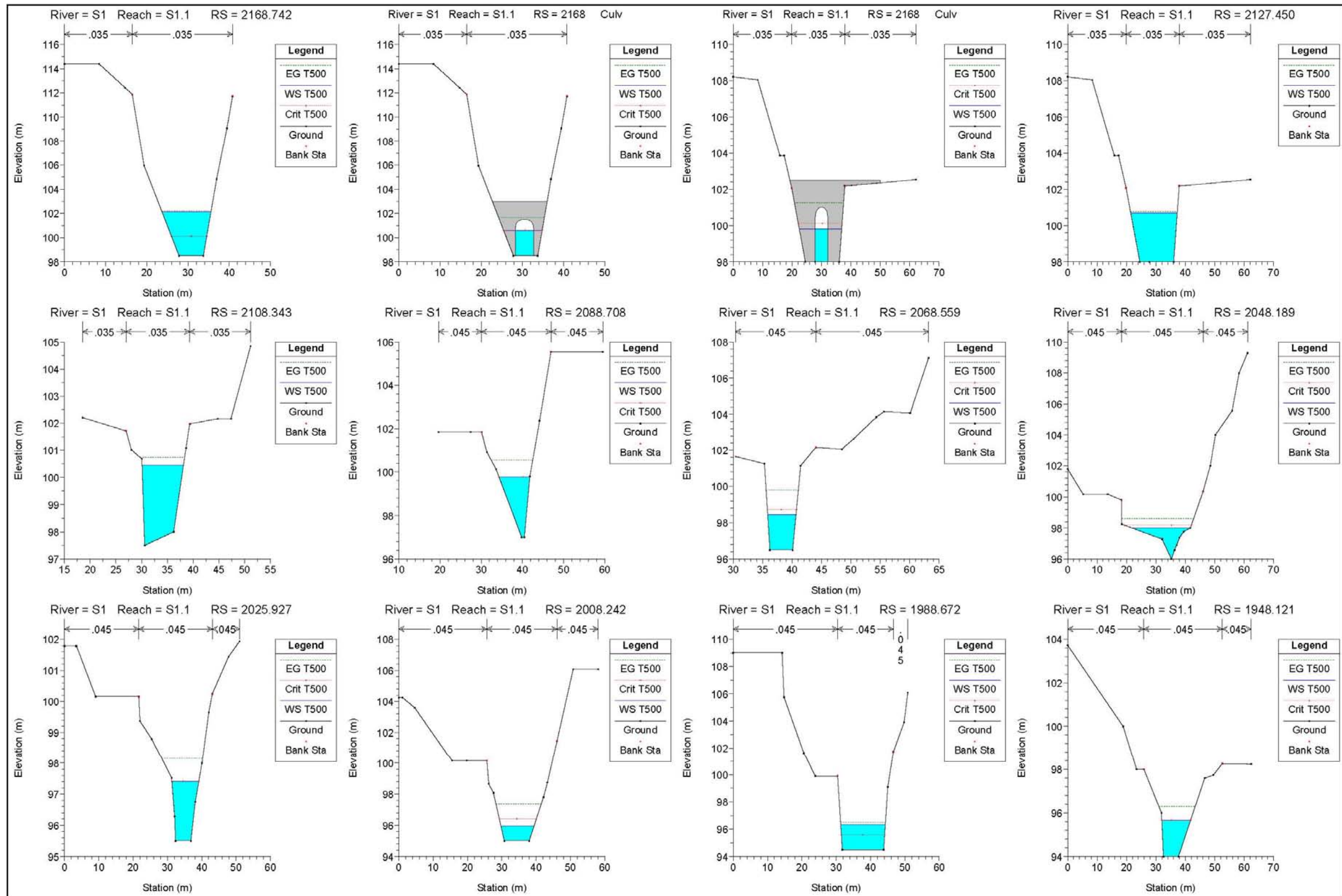


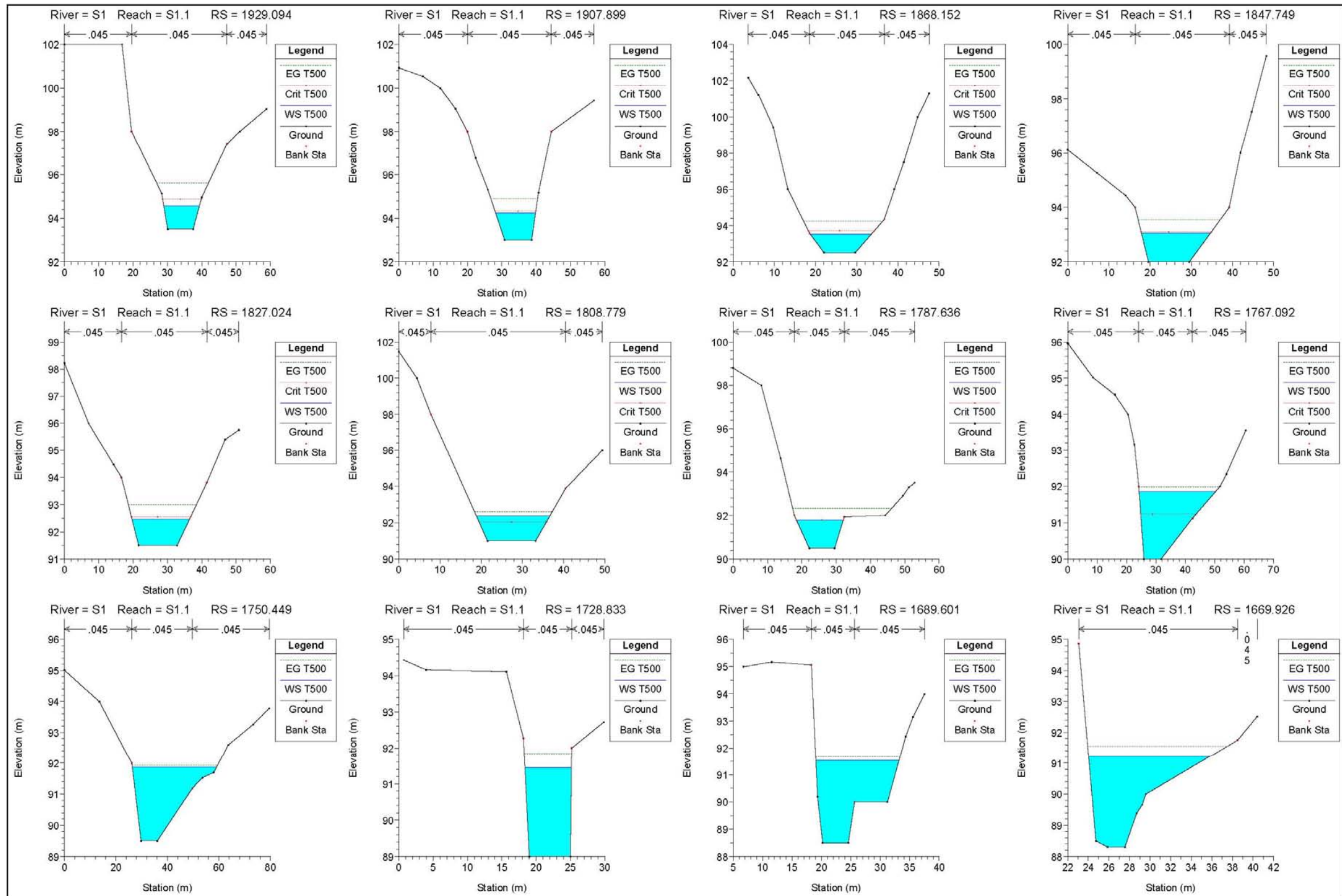
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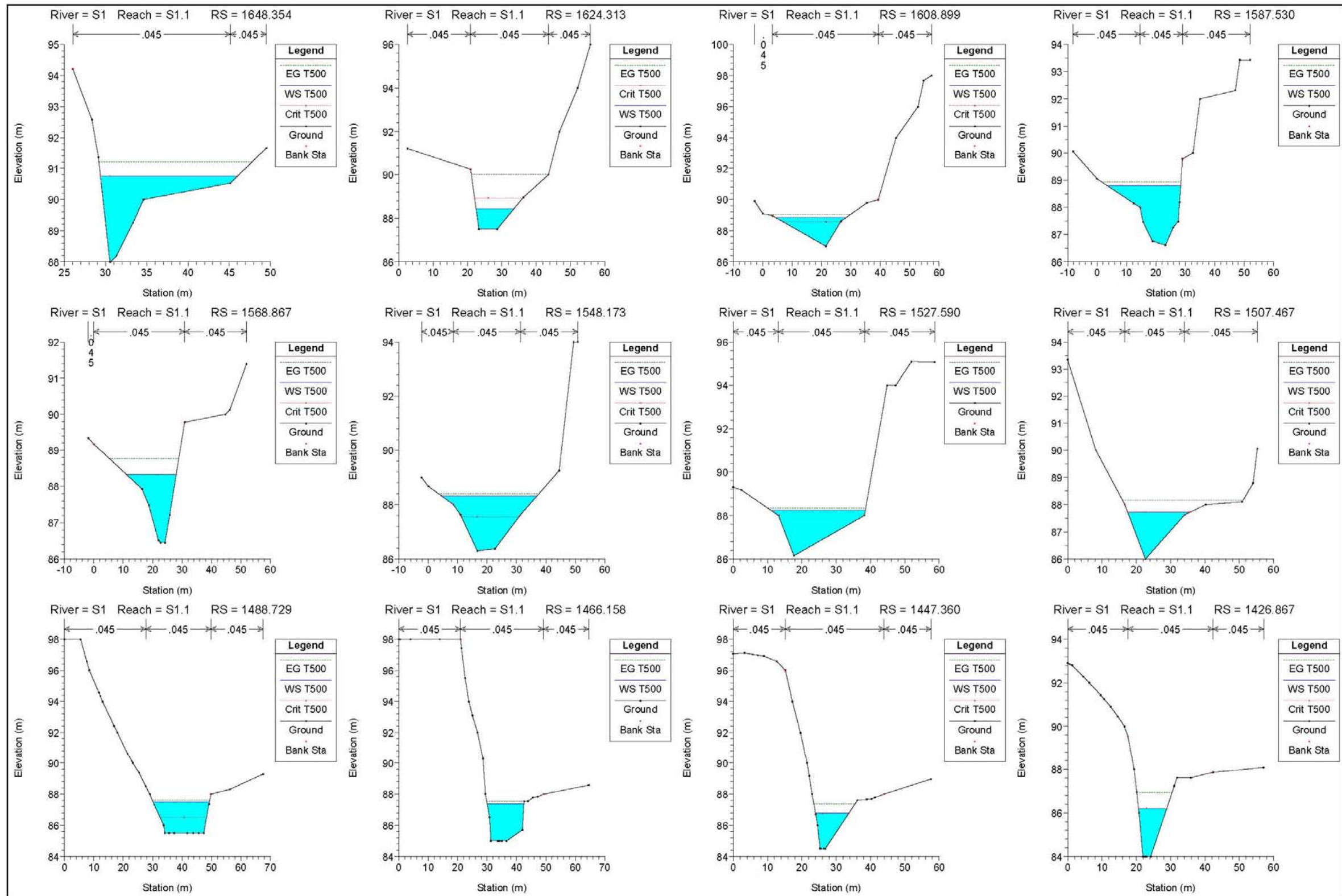


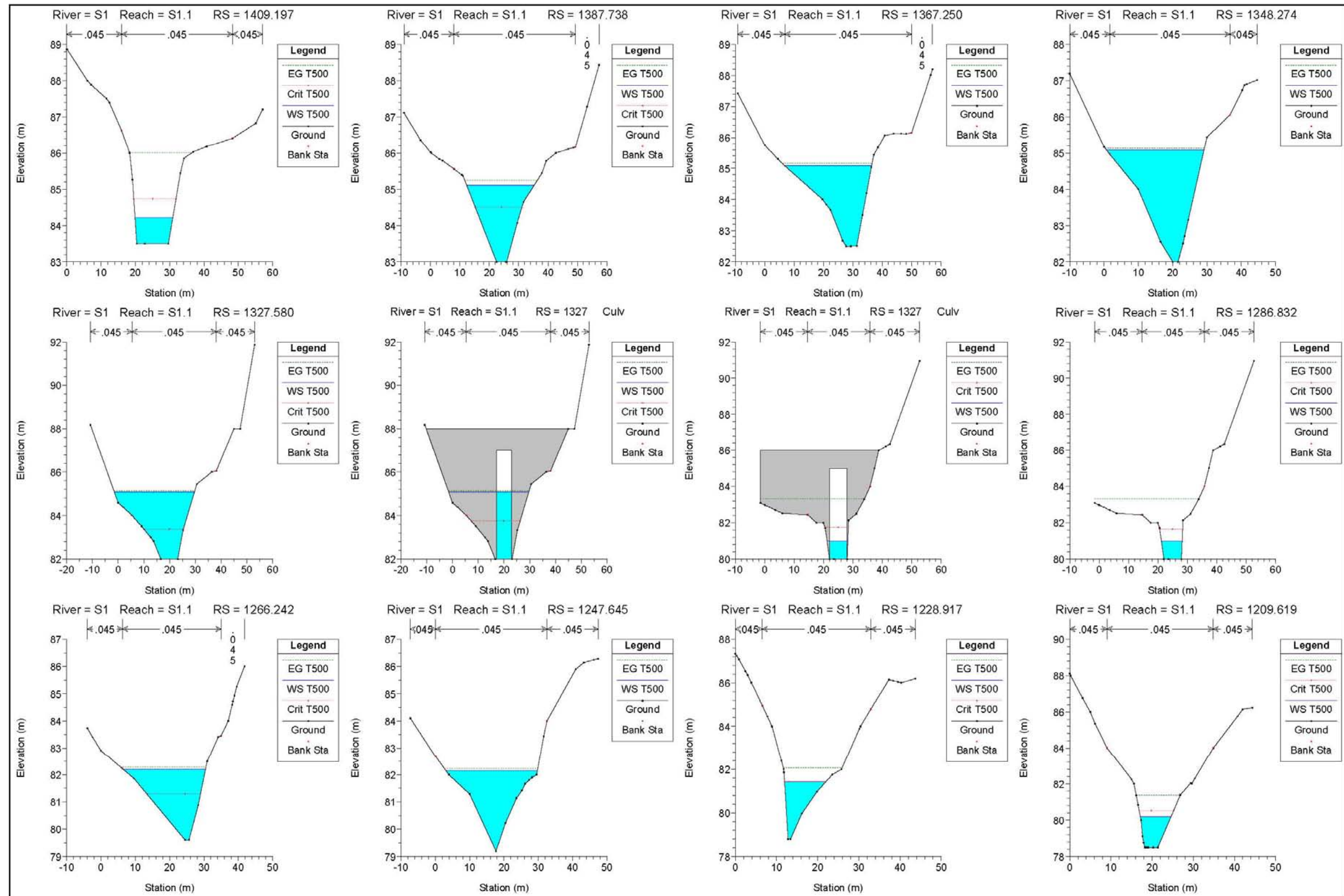


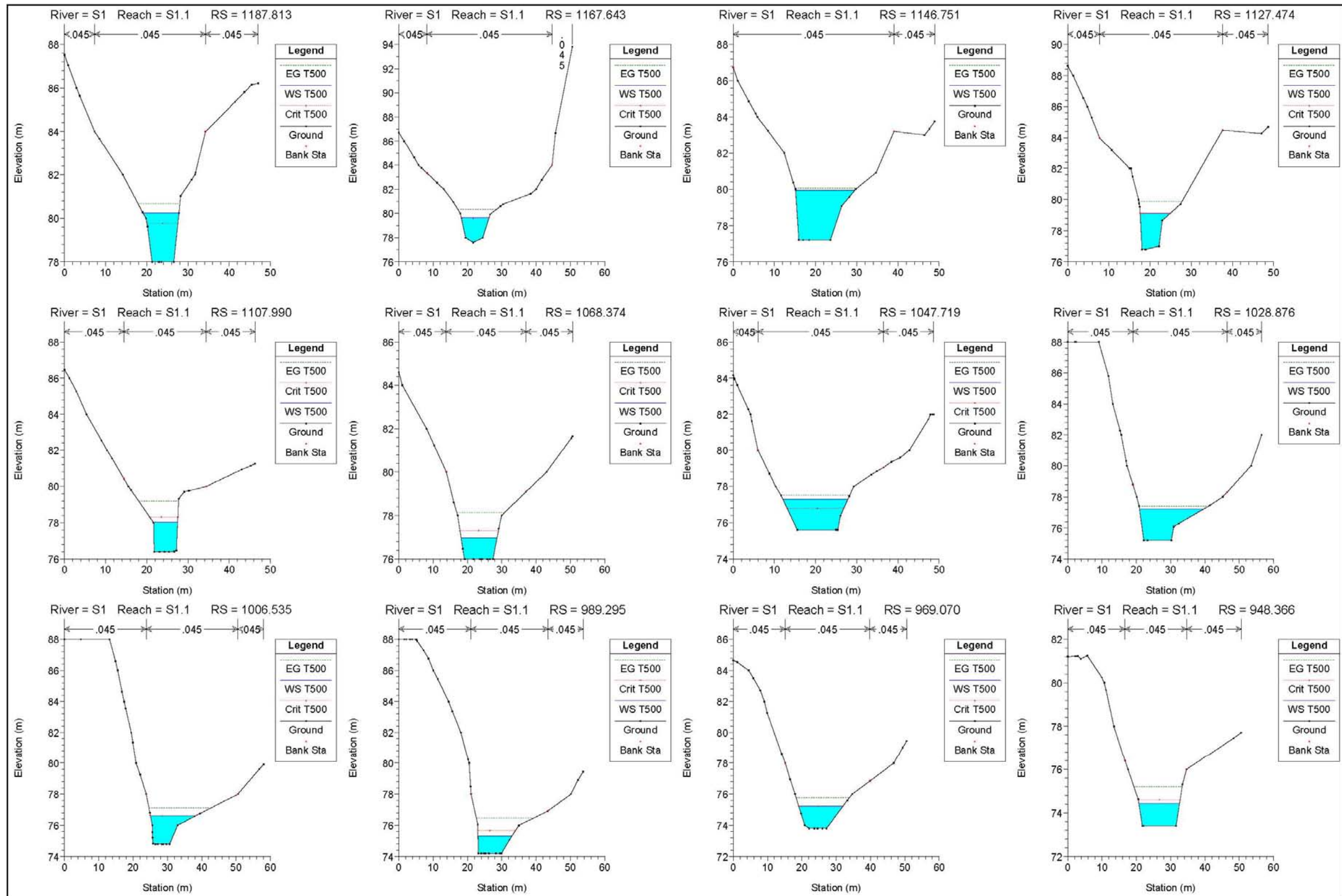


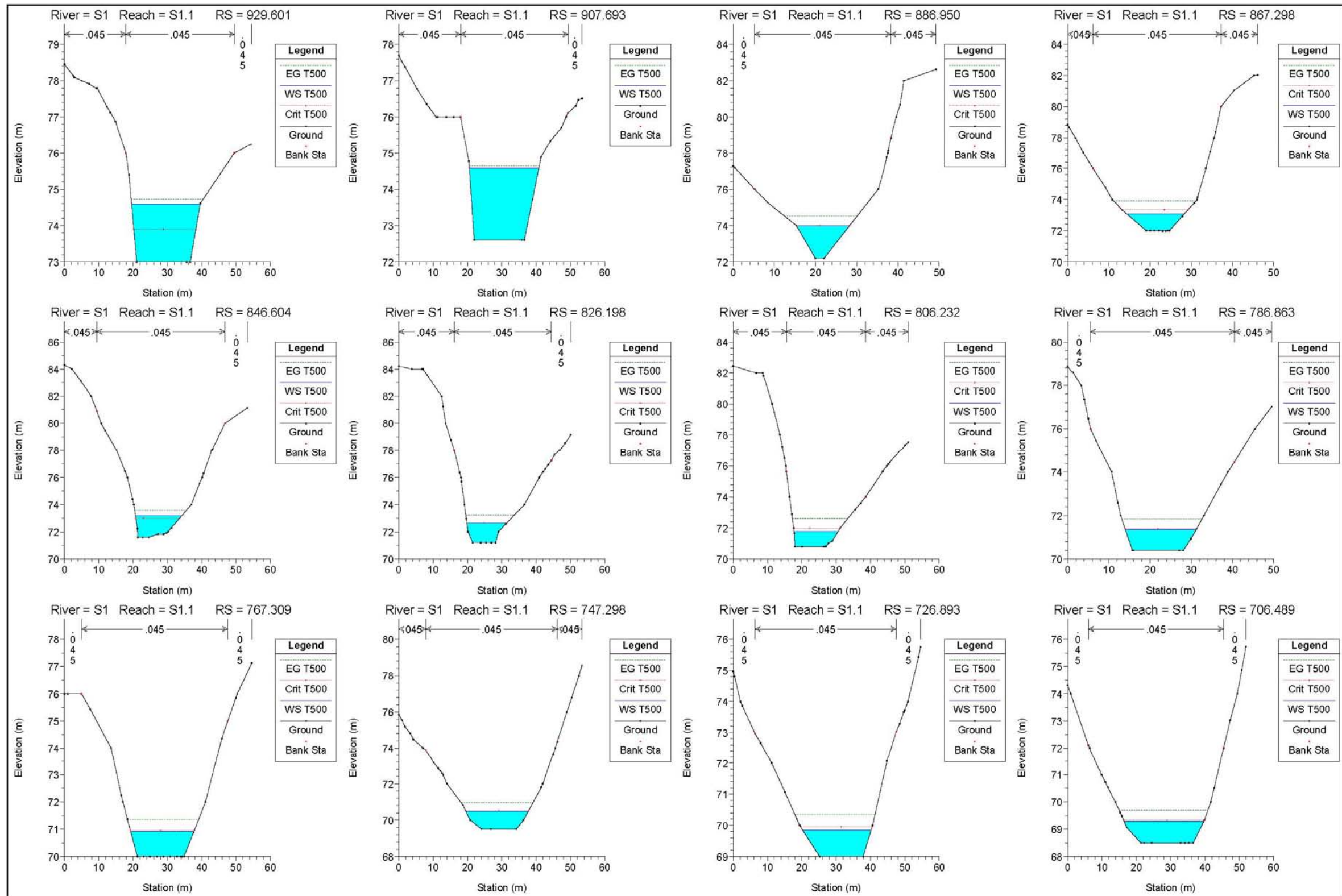




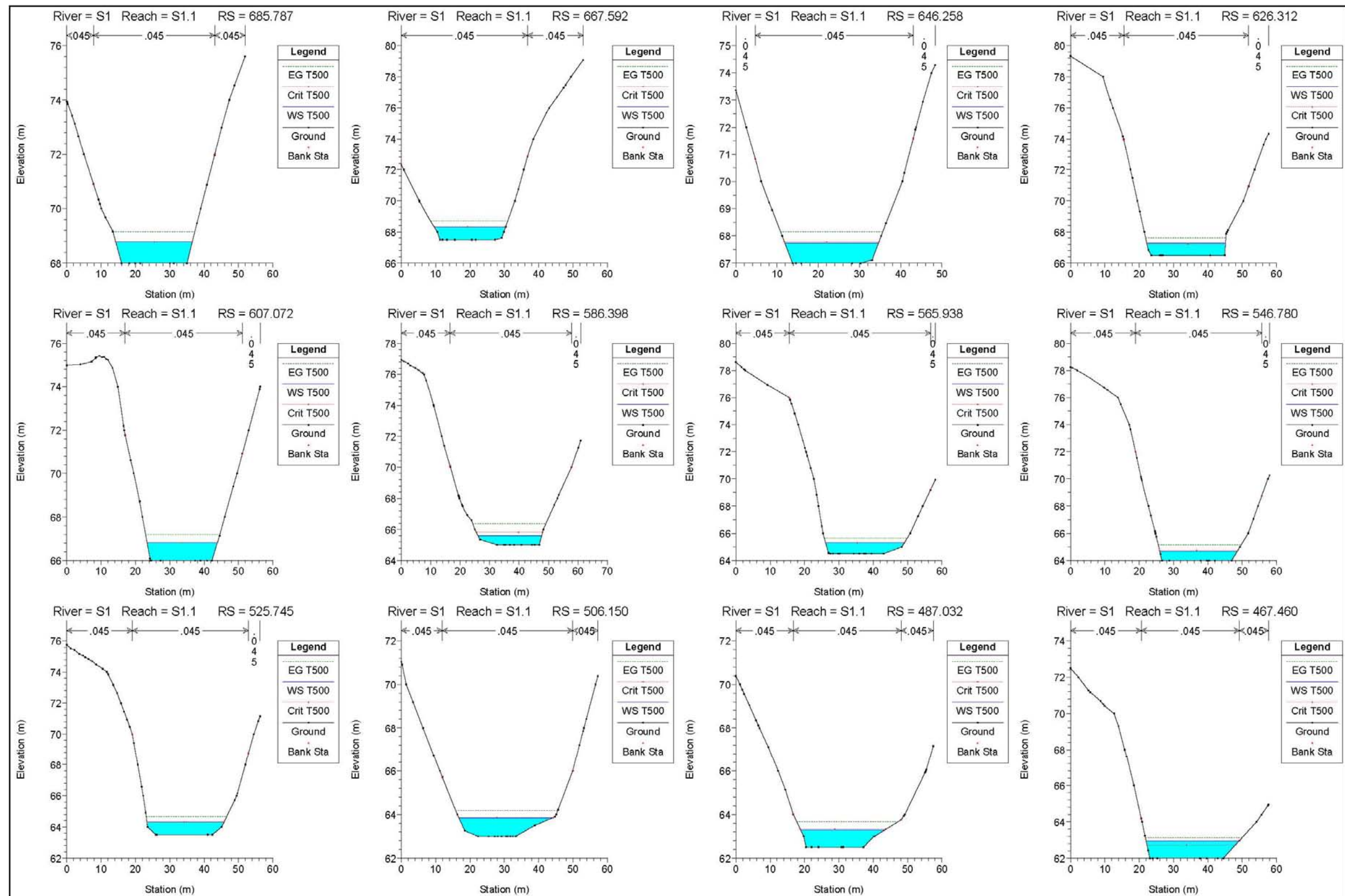




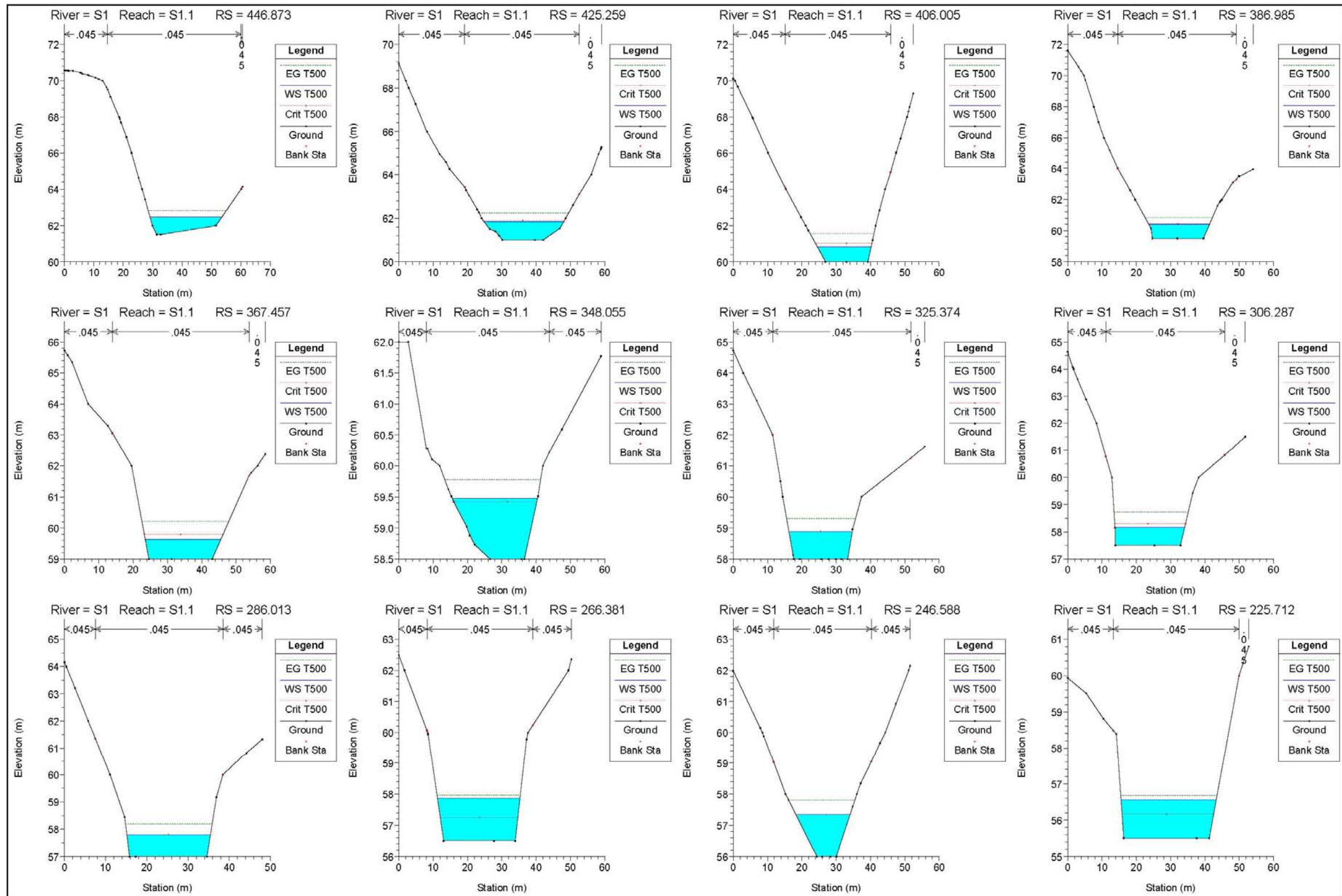


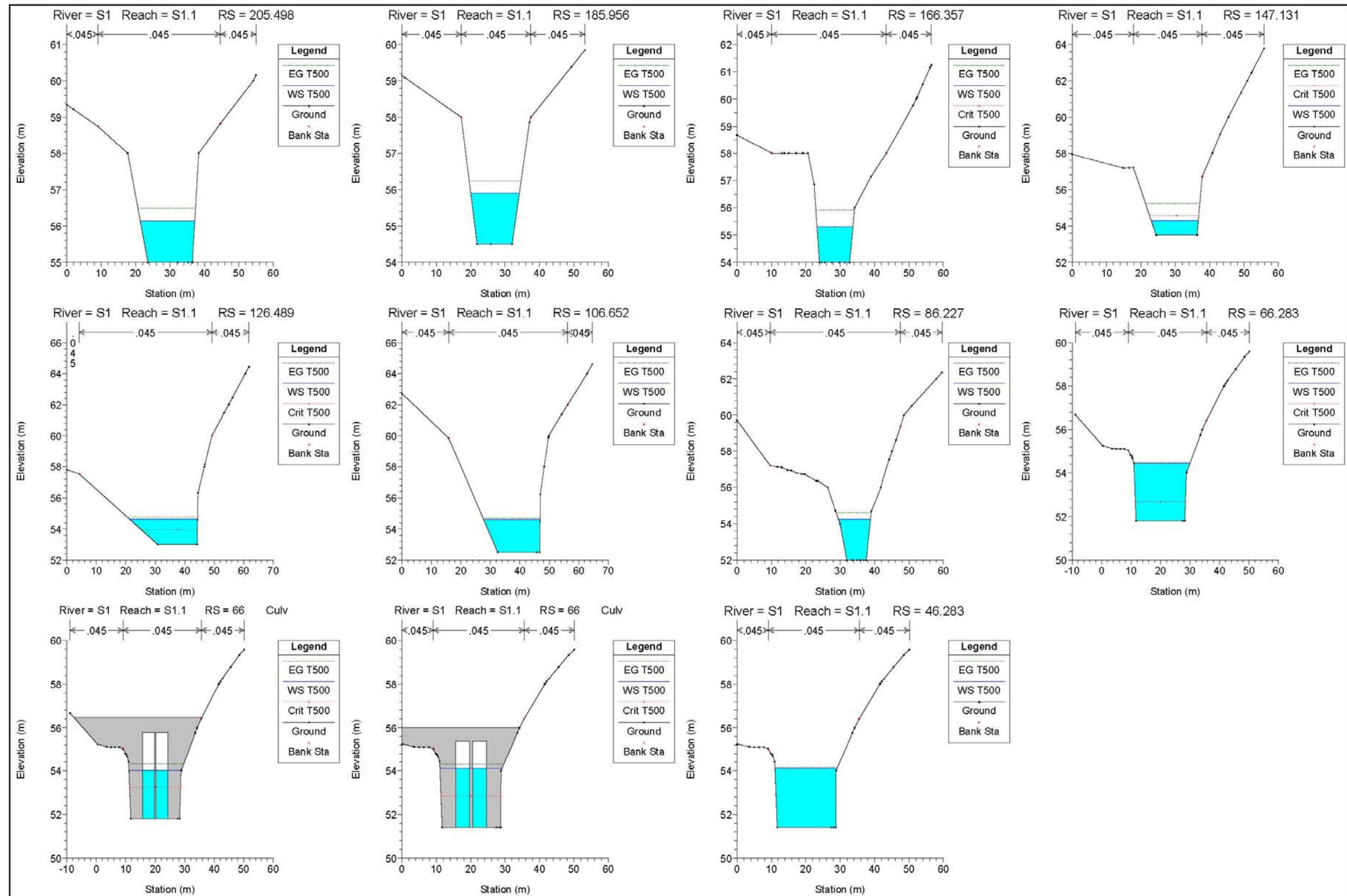


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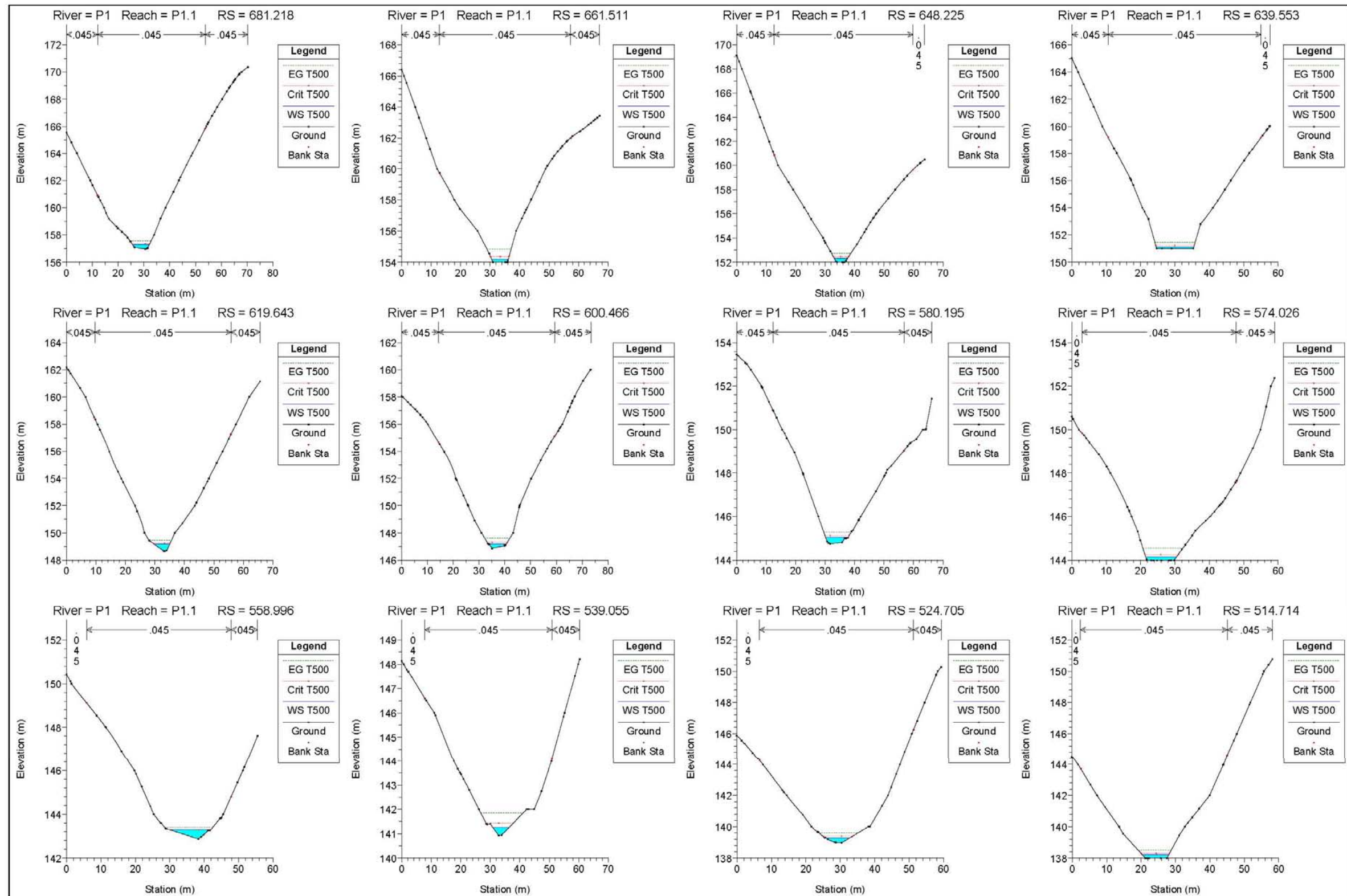


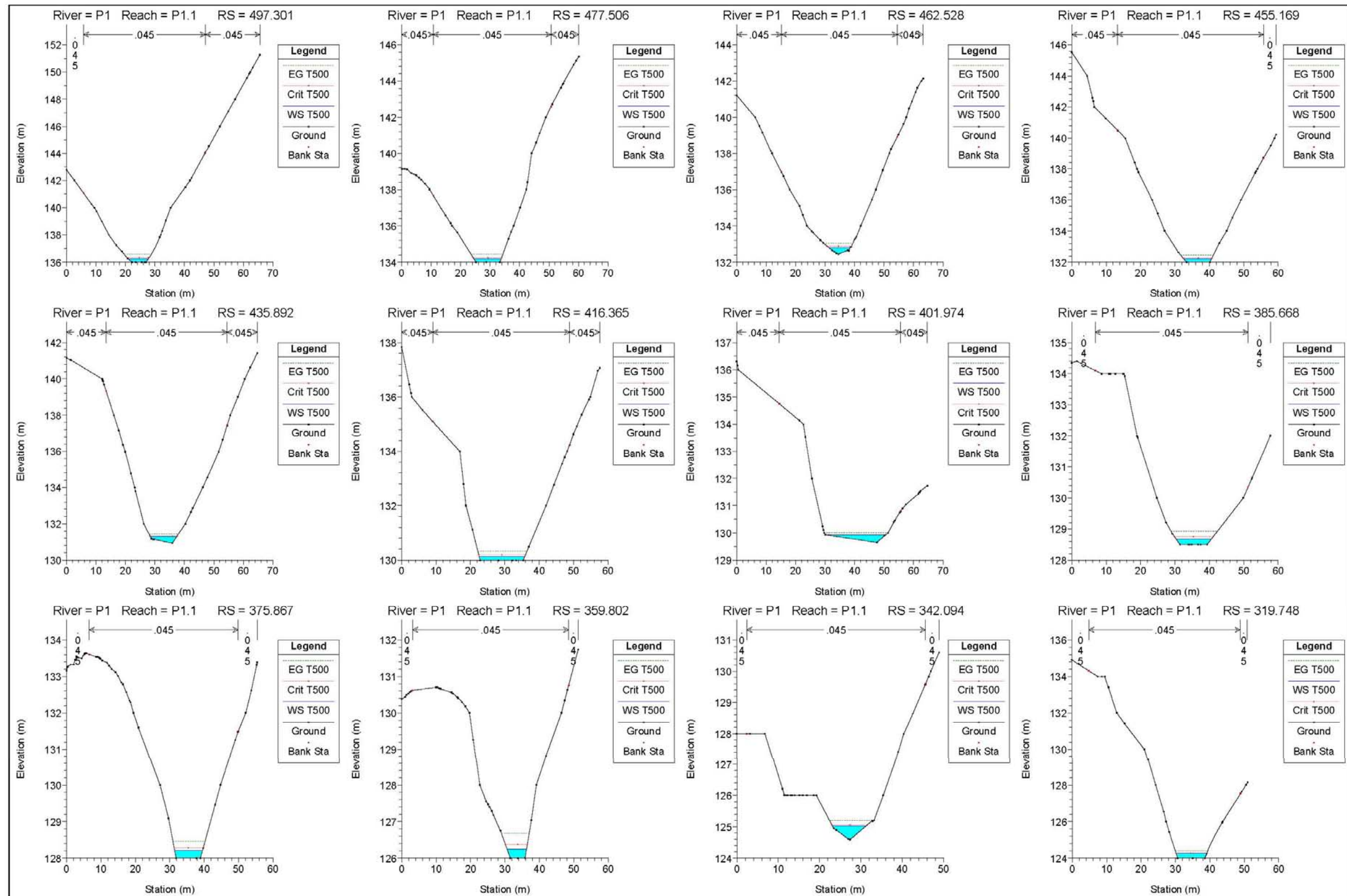
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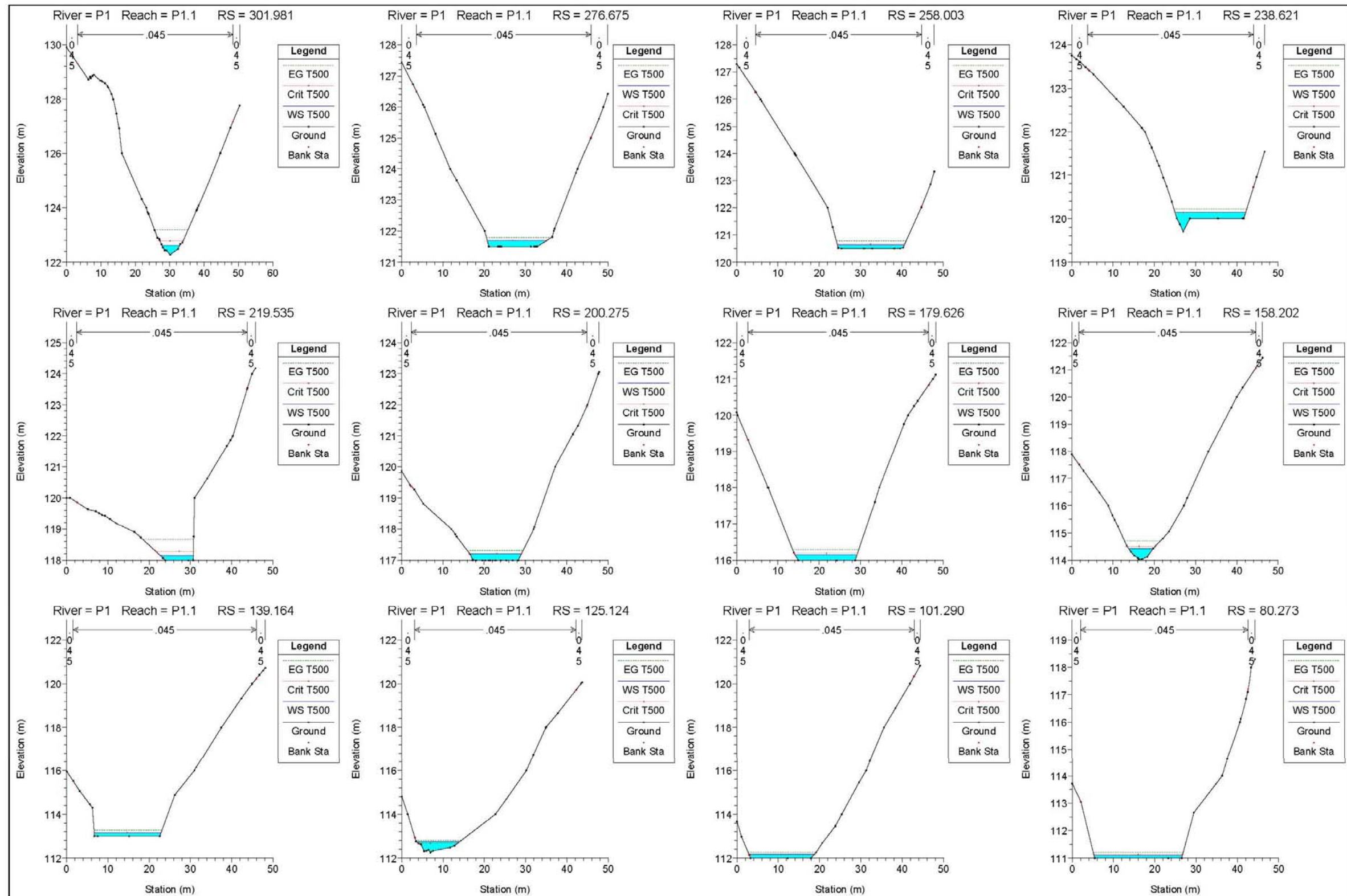


3.5.3.3.- Arroyo Pachurraco

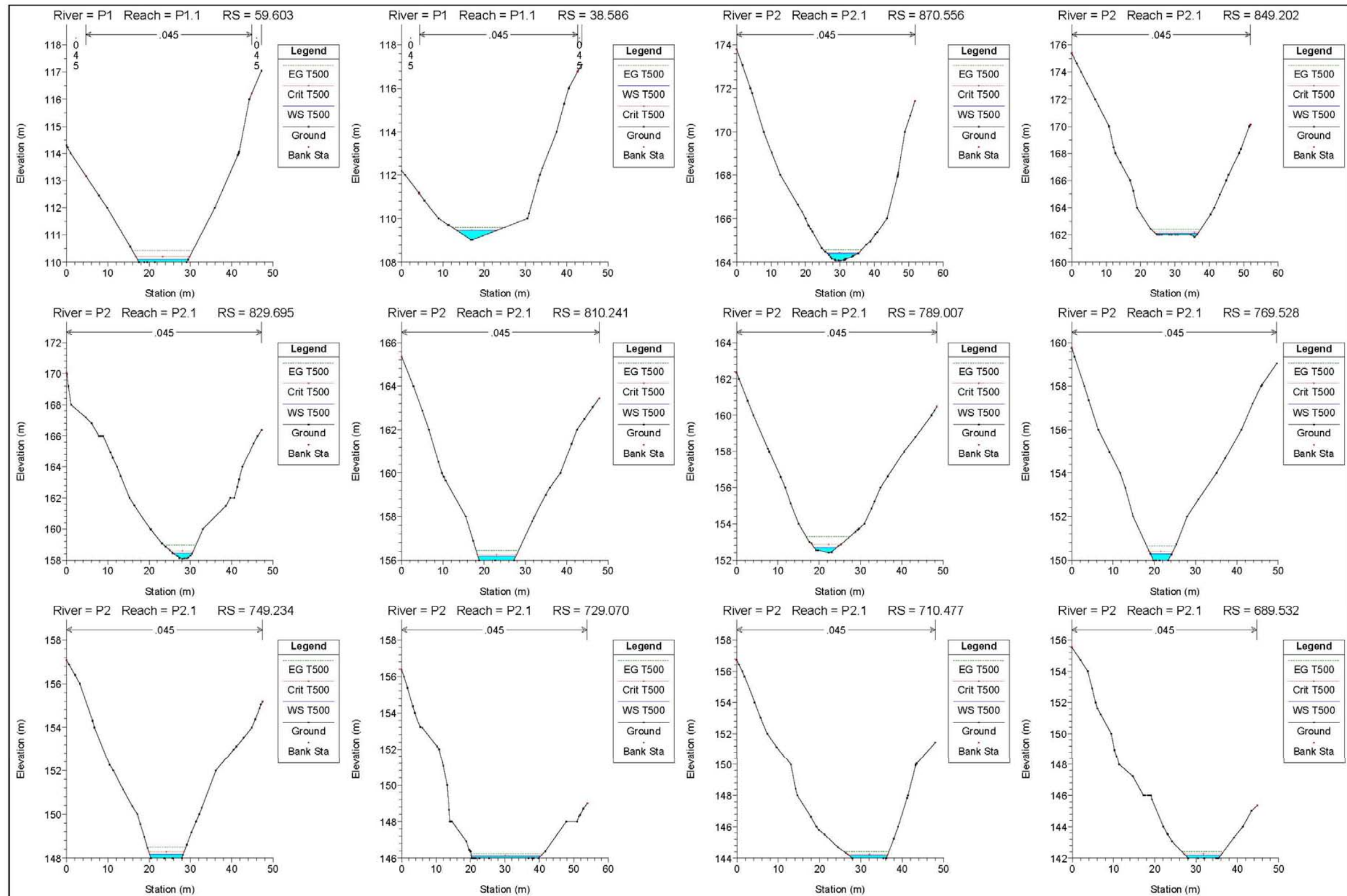




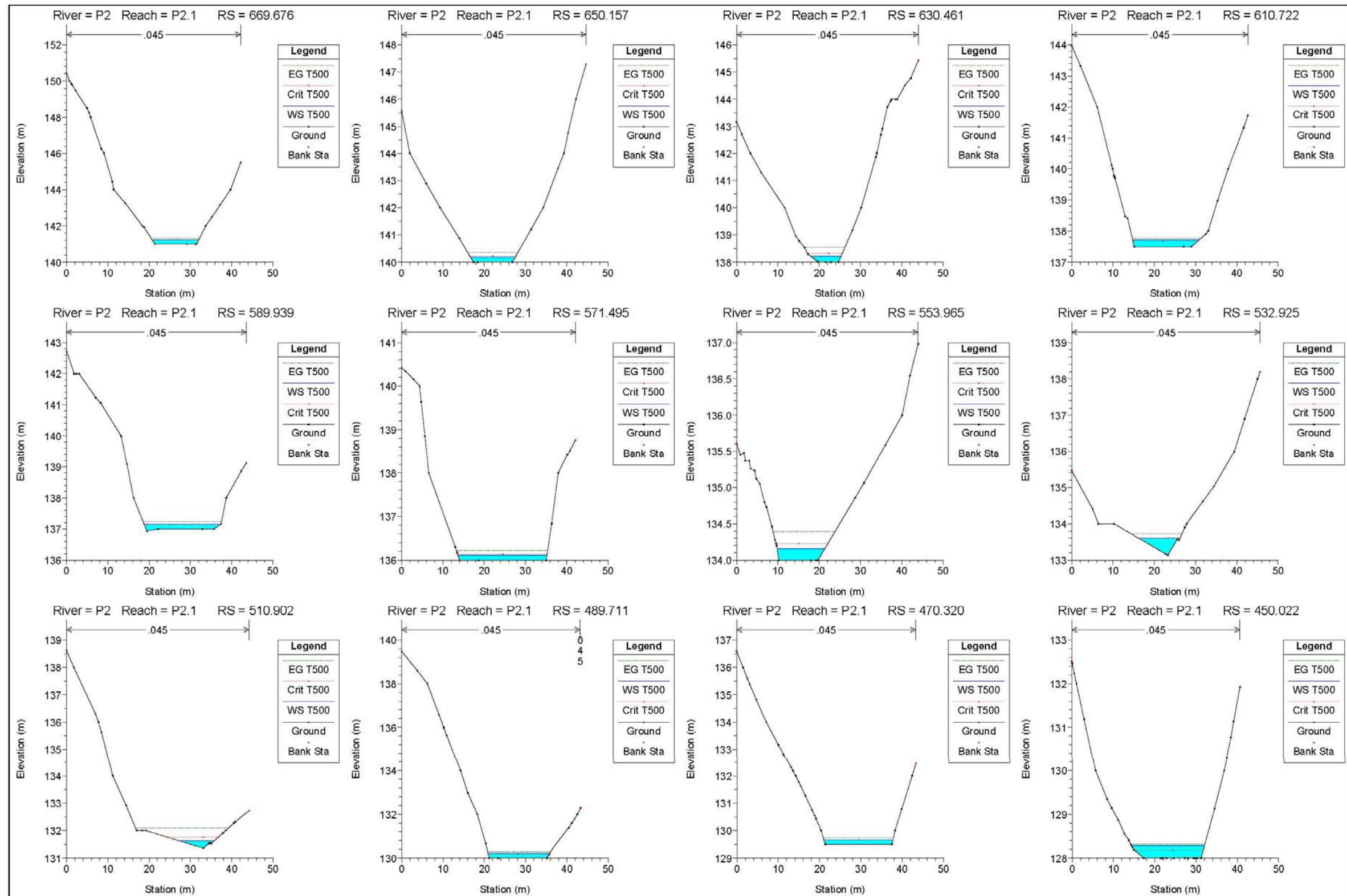
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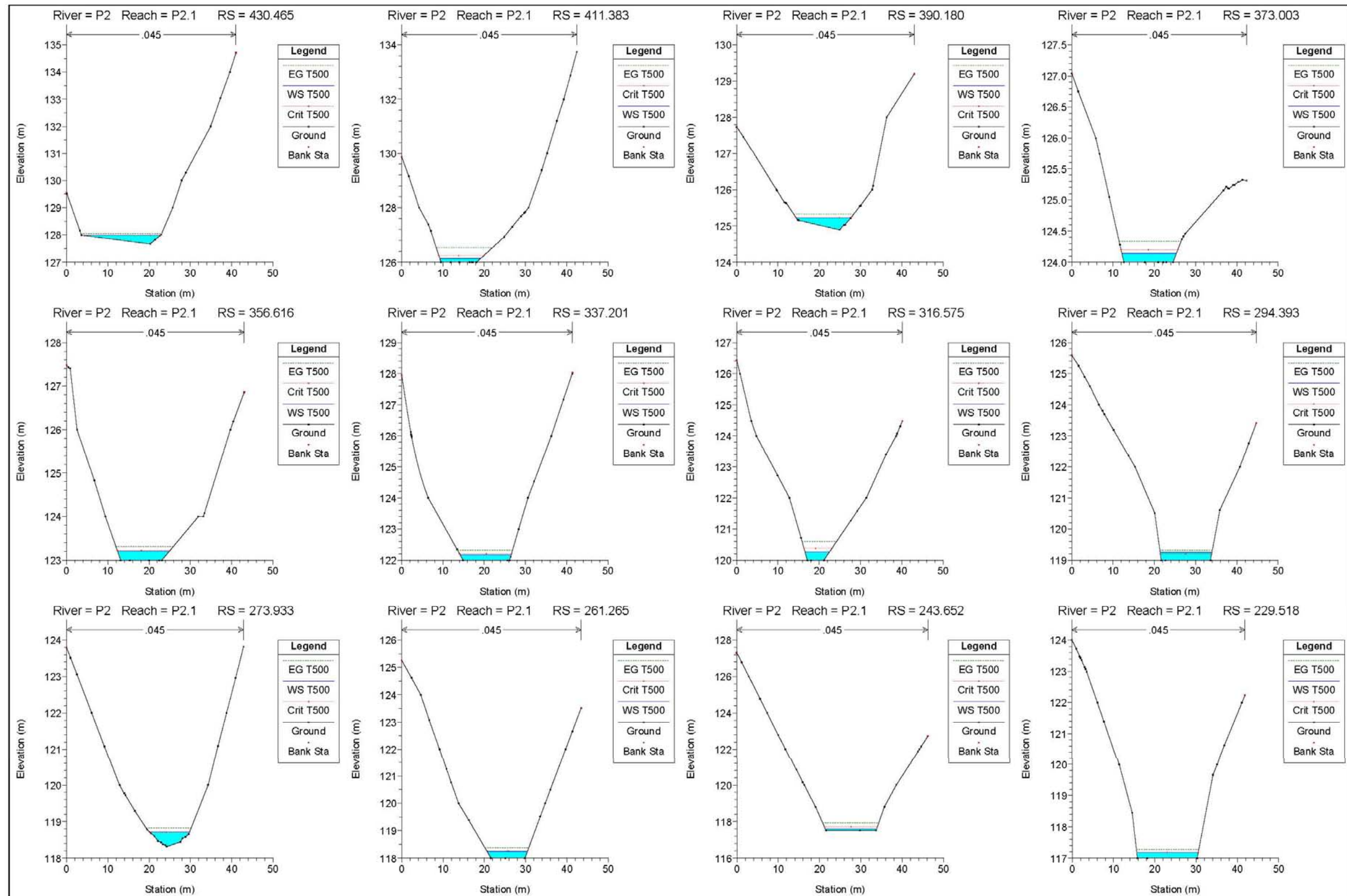


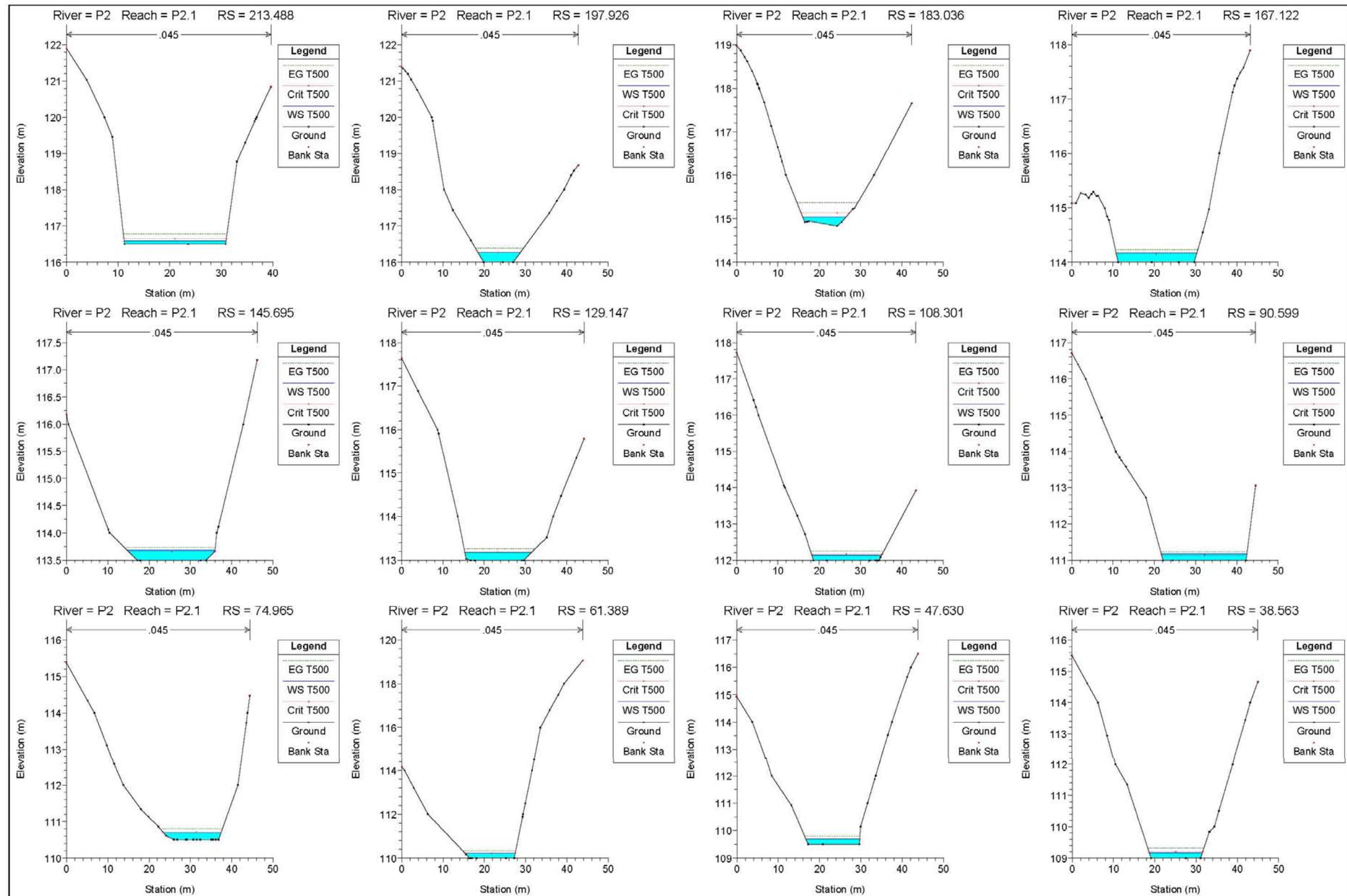
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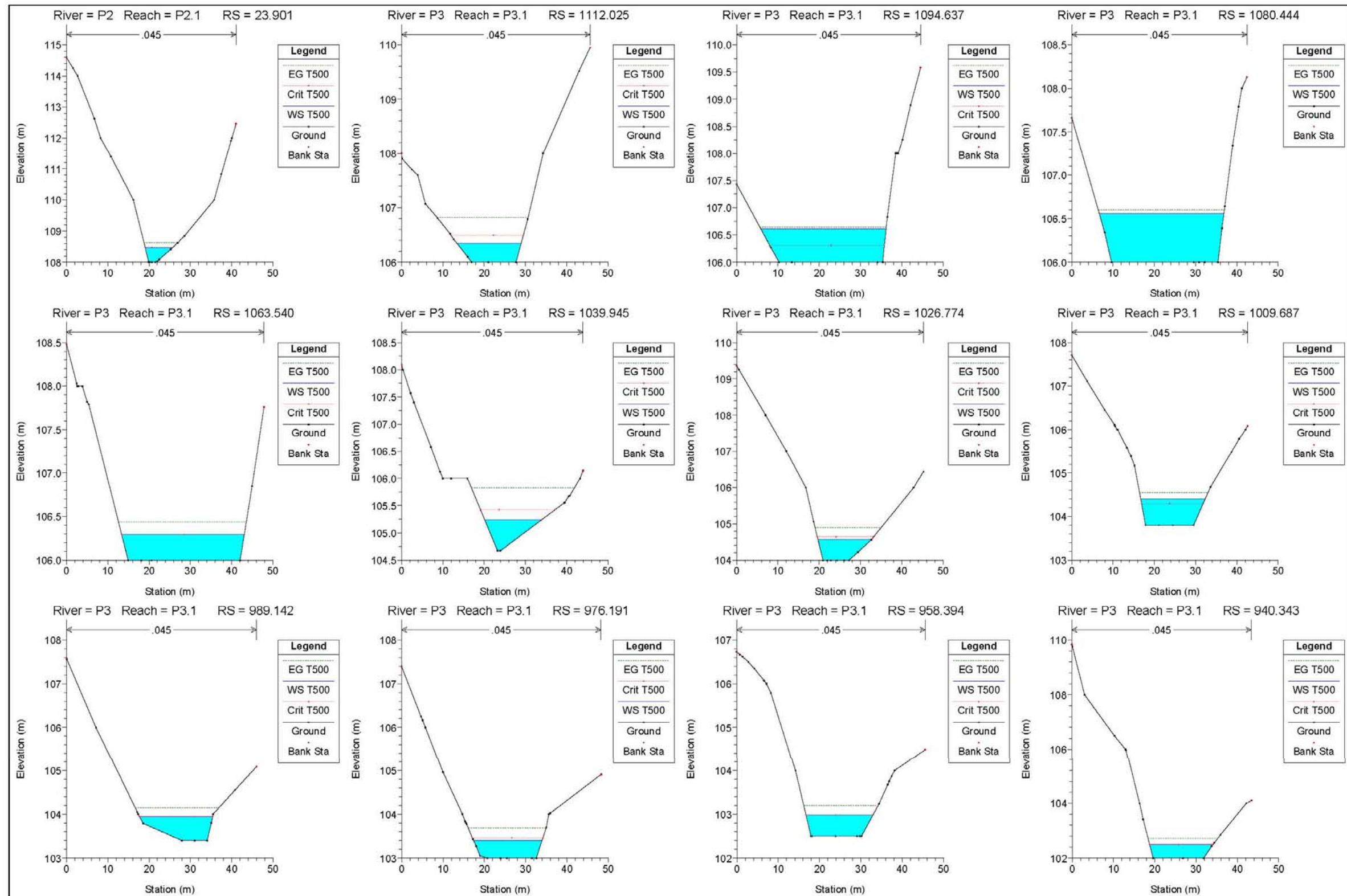
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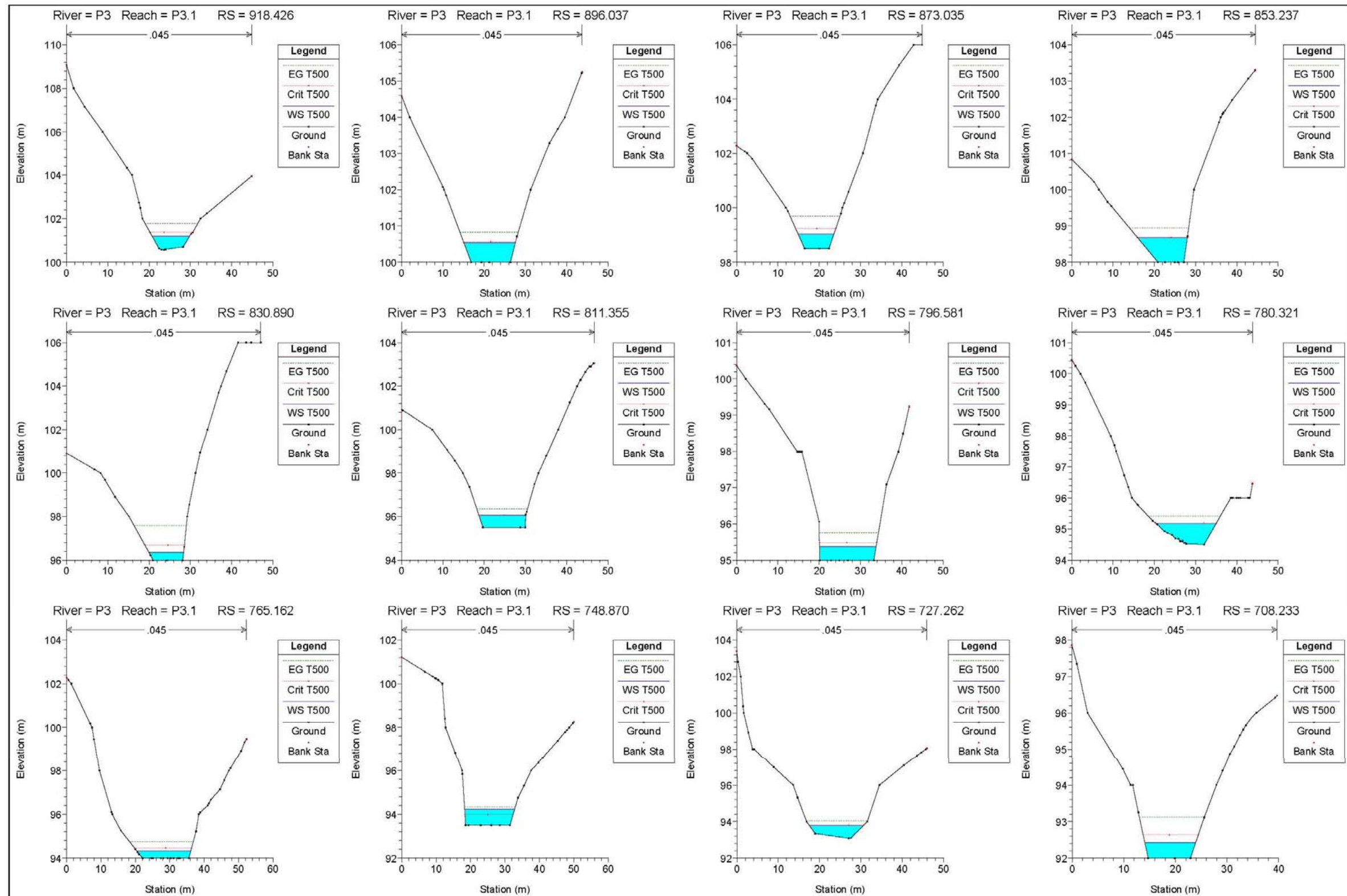


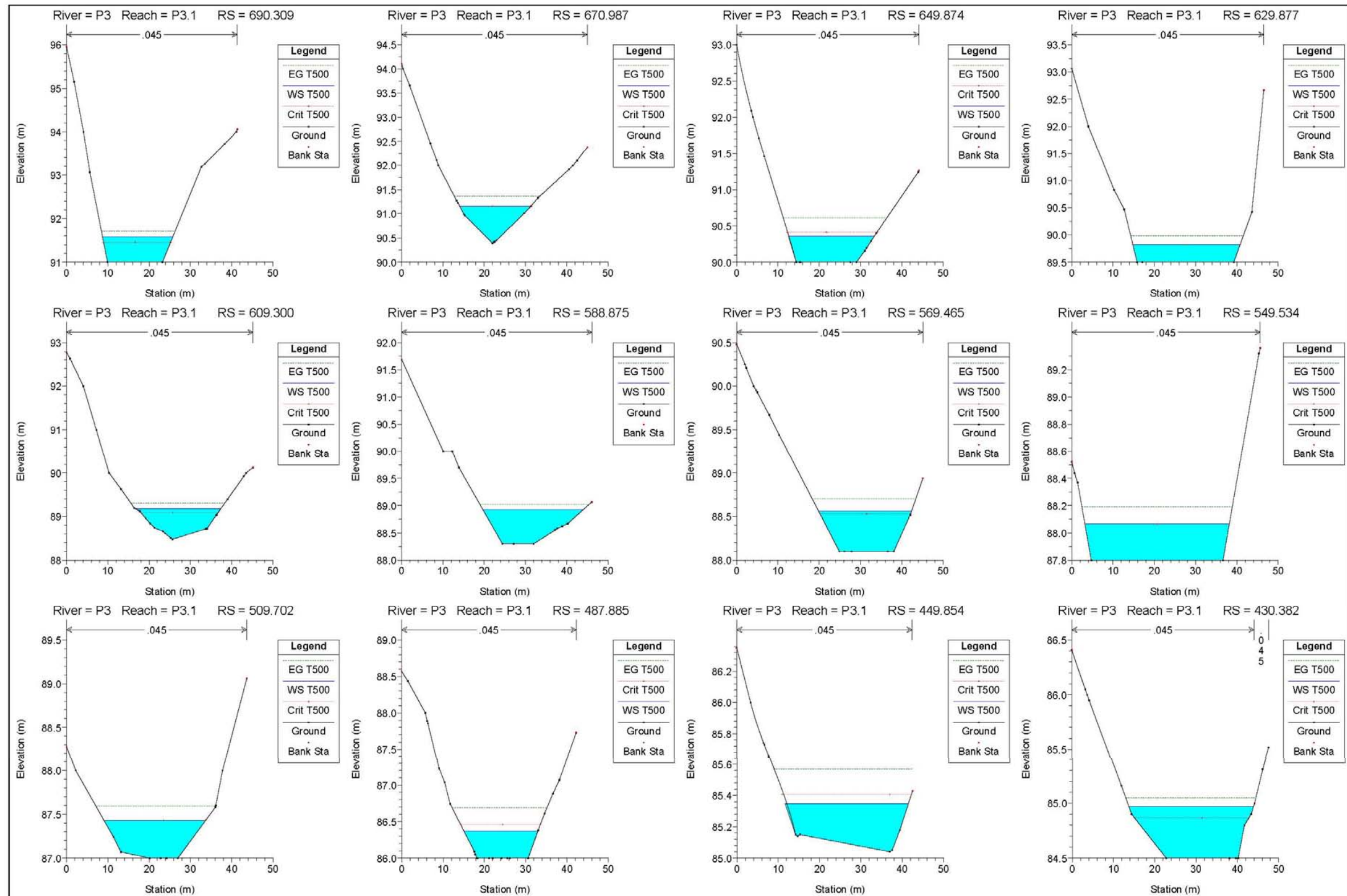


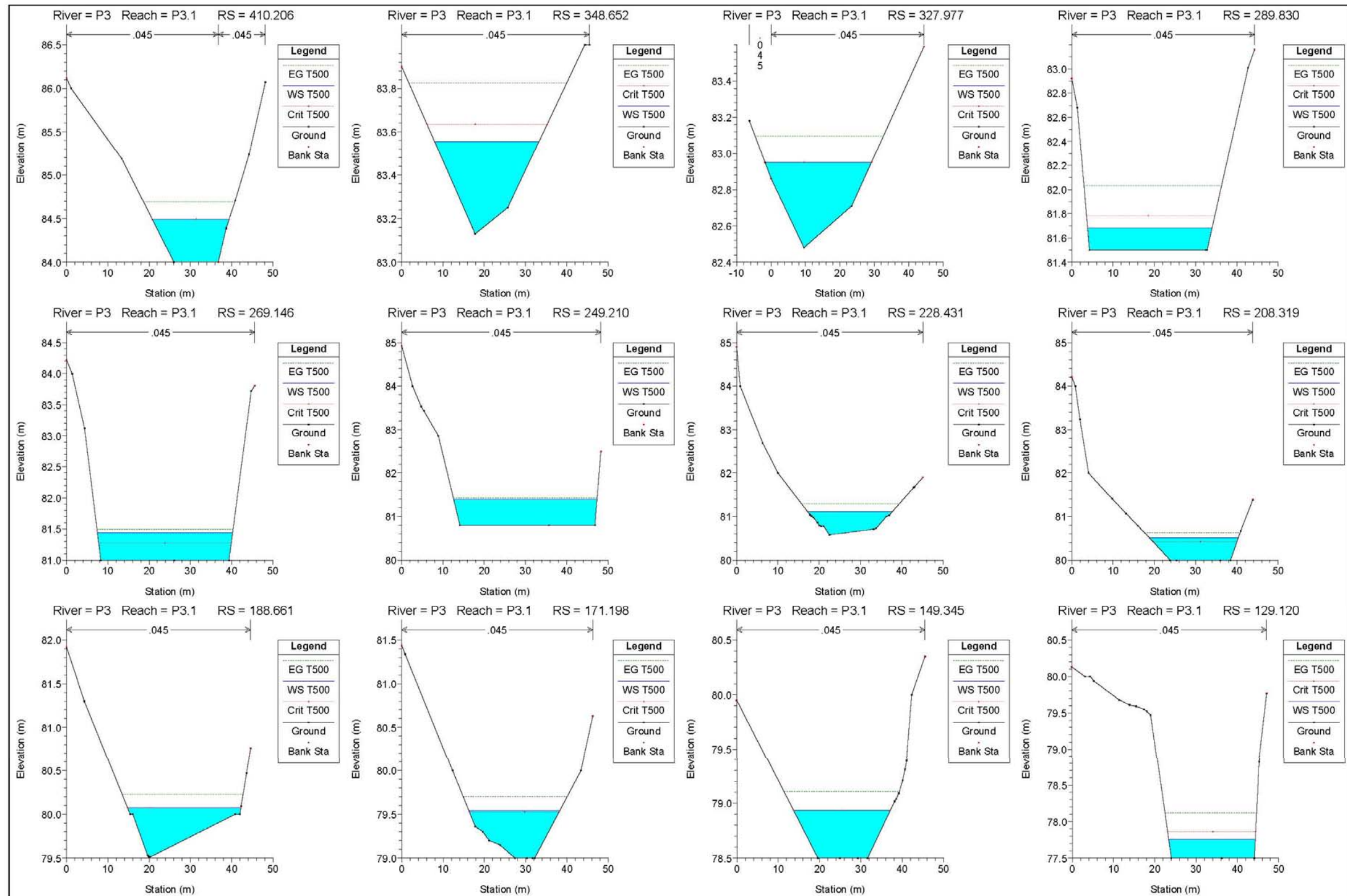
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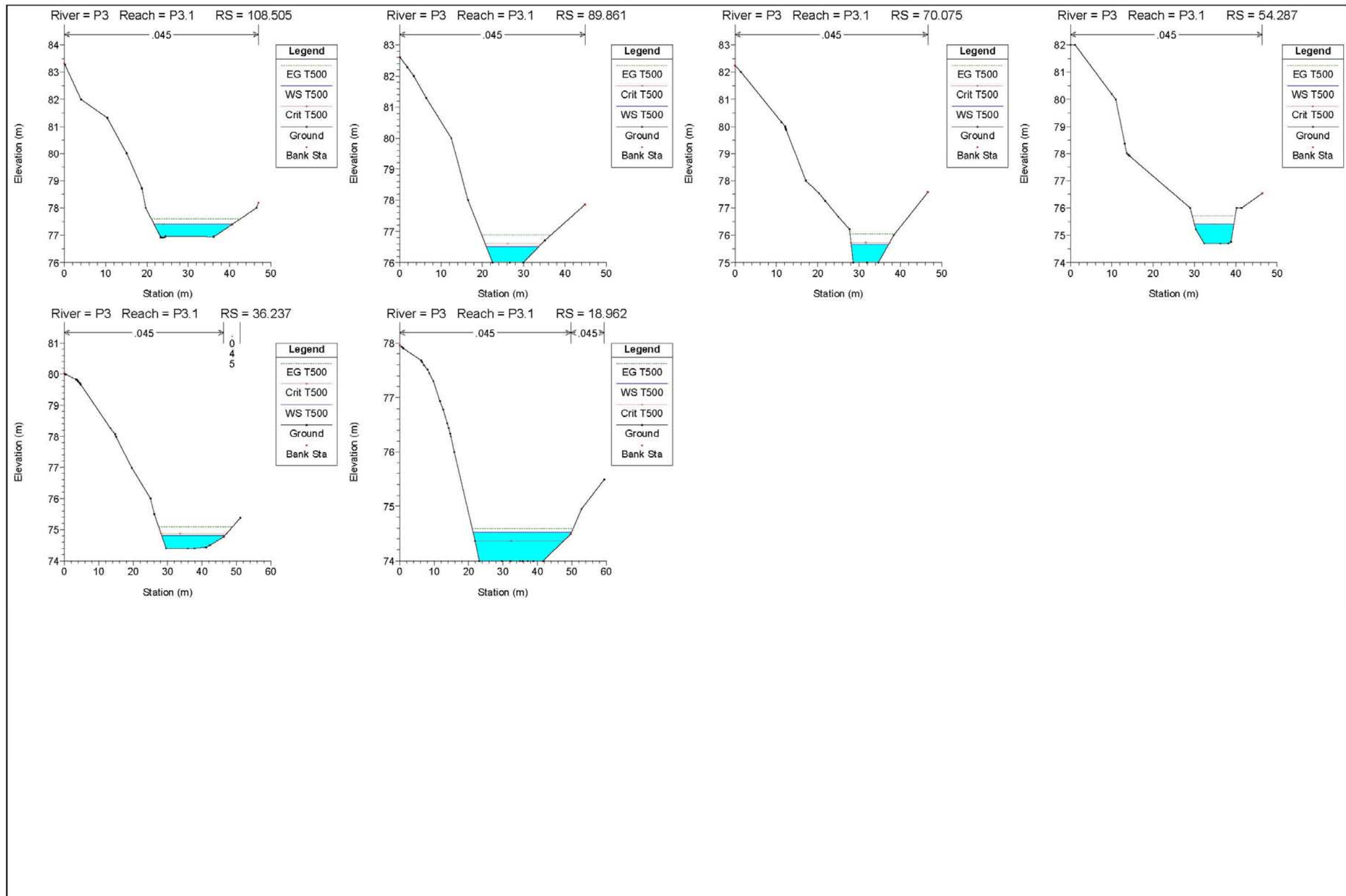


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- 3.5.4.- Tablas de resultados
 - 3.5.4.1.- Arroyo de Las Cañas
 - 3.5.4.2.- Arroyo de la Salud
 - 3.5.4.3.- Arroyo Pachurraco

3.5.4.1.- Arroyo de Las Cañas

HEC-RAS Plan: P1 Profile: T500

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
C3	C3.1	1838.136	T500	40.38	51.8	53.51	53.51	54.04	0.022044	3.23	12.5	11.96	1.01
C3	C3.1	1818.819	T500	40.38	51.65	52.75	52.93	53.4	0.053414	3.57	11.31	19.33	1.49
C3	C3.1	1799.253	T500	40.38	51.5	53.06	52.58	53.21	0.005174	1.71	23.65	22.98	0.51
C3	C3.1	1779.509	T500	40.38	51.35	52.91		53.09	0.006205	1.87	21.55	18.35	0.55
C3	C3.1	1758.163	T500	40.38	51.2	52.88		52.98	0.002893	1.45	29.03	26.22	0.39
C3	C3.1	1737.938	T500	40.38	51	52.83		52.93	0.002378	1.44	29.79	24.7	0.36
C3	C3.1	1718.946	T500	40.38	50.85	52.69		52.86	0.004877	1.82	23.4	24.8	0.49
C3	C3.1	1698.422	T500	40.38	50.7	52.62		52.77	0.003704	1.78	25.41	26.83	0.44
C3	C3.1	1679.155	T500	40.38	50.55	52.43	52.09	52.66	0.007975	2.15	19.7	24.11	0.63
C3	C3.1	1659.162	T500	40.38	50.4	51.93	51.93	52.39	0.021348	3	13.47	14.74	1
C3	C3.1	1638.923	T500	40.38	50.25	51.63	51.15	51.8	0.00516	1.78	22.7	18.51	0.51
C3	C3.1	1618.826	T500	40.38	50.1	51.58		51.7	0.003711	1.6	27.7	27.91	0.44
C3	C3.1	1598.512	T500	40.38	50	51.46		51.61	0.004844	1.83	26.03	31.74	0.51
C3	C3.1	1578.711	T500	40.38	49.85	51.15	51.09	51.45	0.012173	2.52	18.18	28.5	0.77
C3	C3.1	1558.859	T500	40.38	49.7	51.06		51.23	0.007202	1.99	23.91	32.09	0.6
C3	C3.1	1537.914	T500	40.38	49.5	50.98		51.1	0.004236	1.6	27.76	32.36	0.47
C3	C3.1	1519.354	T500	40.38	49.4	50.93		51.03	0.00314	1.45	30.83	34.1	0.41
C3	C3.1	1498.526	T500	40.38	49.23	50.84		50.94	0.004982	1.45	28.19	33.54	0.49
C3	C3.1	1477.674	T500	40.38	49	50.81		50.88	0.001763	1.2	36.39	32.78	0.31
C3	C3.1	1457.184	T500	40.38	48.85	50.78		50.84	0.001719	1.09	38.4	33.23	0.3
C3	C3.1	1438.105	T500	40.38	48.7	50.77	49.61	50.81	0.000904	0.96	46.97	37.19	0.23
C3	C3.1	1437		Culvert									
C3	C3.1	1417.988	T500	40.38	48.5	49.91		50.11	0.004928	1.98	20.36	14.82	0.54
C3	C3.1	1398.212	T500	40.38	48.4	49.81		50.01	0.005091	2.01	20.13	14.56	0.54
C3	C3.1	1378.459	T500	40.38	48.3	49.71		49.91	0.005083	2.01	20.14	14.59	0.54
C3	C3.1	1357.817	T500	40.38	48.2	49.6		49.81	0.005259	2.03	19.92	14.49	0.55
C3	C3.1	1338.582	T500	40.38	48.1	49.5		49.71	0.005229	2.02	19.95	14.56	0.55
C3	C3.1	1319.44	T500	40.38	48	49.4		49.61	0.005262	2.03	19.91	14.53	0.55
C3	C3.1	1299.43	T500	40.38	47.9	49.29		49.5	0.005254	2.03	19.93	14.65	0.55
C3	C3.1	1280.788	T500	40.38	47.8	49.19	48.74	49.4	0.005304	2.03	19.86	14.56	0.56
C3	C3.1	1280		Bridge									
C3	C3.1	1198.766	T500	40.38	47.7	49.03		49.26	0.006177	2.13	18.92	14.53	0.6
C3	C3.1	1178.246	T500	40.38	47.6	48.86		49.12	0.007241	2.25	17.98	14.5	0.64
C3	C3.1	1160.64	T500	40.38	47.5	48.68		48.97	0.009067	2.41	16.73	14.47	0.72
C3	C3.1	1138.844	T500	40.38	47.3	48.31	48.24	48.71	0.014523	2.8	14.41	14.41	0.89
C3	C3.1	1118.85	T500	40.38	47	48.13		48.45	0.010233	2.51	16.11	14.55	0.76
C3	C3.1	1100.03	T500	40.38	46.8	47.94		48.26	0.0099	2.48	16.27	14.46	0.75
C3	C3.1	1080.81	T500	40.38	46.6	47.77		48.07	0.009334	2.44	16.58	14.41	0.72
C3	C3.1	1058.944	T500	40.38	46.4	47.55		47.86	0.009638	2.46	16.41	14.46	0.74
C3	C3.1	1038.838	T500	40.38	46.2	47.36		47.67	0.009531	2.45	16.47	14.34	0.73
C3	C3.1	1017.237	T500	40.38	46	47.15		47.46	0.009834	2.48	16.31	14.45	0.74

HEC-RAS Plan: P1 Profile: T500

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
C3	C3.1	997.937	T500	40.38	45.8	46.97		47.27	0.009083	2.41	16.72	14.47	0.72
C3	C3.1	976.548	T500	40.38	45.6	46.79		47.08	0.008729	2.38	16.94	14.48	0.7
C3	C3.1	956.33	T500	40.38	45.4	46.64		46.91	0.00751	2.27	17.77	14.56	0.66
C3	C3.1	937.264	T500	40.38	45.2	46.55		46.77	0.005873	2.1	19.23	14.59	0.58
C3	C3.1	917.377	T500	40.38	45	46.47		46.66	0.004463	1.92	21	14.59	0.51
C3	C3.1	897.313	T500	40.38	44.8	46.42	45.74	46.57	0.00315	1.71	23.55	15.05	0.44
C3	C3.1	896		Culvert									
C3	C3.1	856.378	T500	40.38	44.6	45.54	45.54	46	0.018583	3.03	13.34	14.44	1.01
C3	C3.1	836.737	T500	40.38	44.2	45.53	45.27	45.7	0.005766	1.93	25.01	34.87	0.55
C3	C3.1	816.433	T500	40.38	44	45.15	45.15	45.48	0.020876	2.58	16.06	26.56	0.96
C3	C3.1	797.259	T500	40.38	43.8	44.82	44.55	44.96	0.006722	1.76	25.43	34.38	0.57
C3	C3.1	777.164	T500	40.38	43.6	44.76		44.84	0.003492	1.42	34.58	46.46	0.42
C3	C3.1	757.243	T500	40.38	43.4	44.68		44.77	0.003772	1.49	33.45	49.17	0.44
C3	C3.1	738.072	T500	40.38	43.2	44.63		44.7	0.002591	1.28	38.89	54.23	0.37
C3	C3.1	717.777	T500	40.38	43	44.34		44.59	0.010155	2.24	18.34	19.79	0.7
C3	C3.1	698.421	T500	40.38	42.8	44.31		44.44	0.00393	1.63	26.1	30.15	0.46
C3	C3.1	676.777	T500	40.38	42.6	44.24		44.35	0.003635	1.54	28.08	34.89	0.44
C3	C3.1	657.323	T500	40.38	42.4	43.74	43.74	44.19	0.018292	2.97	14	17.84	0.94
C3	C3.1	638.553	T500	40.38	42	43.01	43.22	43.68	0.039777	3.87	12.18	22.28	1.33
C3	C3.1	616.994	T500	40.38	41.8	43.2	42.76	43.34	0.00479	1.68	24.95	25.89	0.5
C3	C3.1	597.069	T500	40.38	41.6	43.16		43.26	0.002784	1.41	30.03	27.01	0.39
C3	C3.1	574.813	T500	40.38	41.4	42.91		43.14	0.009756	2.13	18.97	19.25	0.68
C3	C3.1	556.676	T500	40.38	41.2	42.83		43	0.004947	1.9	23.47	22.44	0.51
C3	C3.1	536.9	T500	40.38	41	42.75		42.89	0.004648	1.81	26.39	32.91	0.49
C3	C3.1	517.177	T500	40.38	40.8	42.75		42.82	0.001672	1.28	37.89	38.84	0.31
C3	C3.1	496.673	T500	40.38	40.6	42.74		42.79	0.001064	0.99	40.95	24.82	0.24
C3	C3.1	475.741	T500	40.38	40.4	42.67		42.75	0.002285	1.29	31.6	25.21	0.35
C3	C3.1	457.572	T500	40.38	40	42.02	42.02	42.6	0.023205	3.38	11.95	10.32	1
C3	C3.1	436.504	T500	40.38	38.8	39.96	40.42	41.62	0.095643	5.7	7.08	8.93	2.04
C3	C3.1	417.509	T500	40.38	38.6	40.17	40.08	40.59	0.014269	2.87	14.74	21.29	0.84
C3	C3.1	397.068	T500	40.38	38.4	39.71	39.71	40.22	0.021346	3.18	12.72	12.49	1
C3	C3.1	377.579	T500	40.38	38.2	39.69	39.24	39.84	0.005868	1.75	23.11	21.69	0.54
C3	C3.1	356.452	T500	40.38	38	39.56		39.72	0.005195	1.81	22.27	17.8	0.52
C3	C3.1	337.593	T500	40.38	37.8	39.47		39.63	0.004499	1.74	23.21	17.52	0.48
C3	C3.1	316.817	T500	40.38	37.6	39.14		39.47	0.010818	2.55	15.81	12.63	0.73
C3	C3.1	297.185	T500	40.38	37.5	39.11		39.29	0.004897	1.84	21.89	15.9	0.5
C3	C3.1	277.754	T500	40.38	37.4	39.05		39.19	0.004541	1.66	24.39	19.91	0.48
C3	C3.1	236.448	T500	40.38	37.3	38.97		39.09	0.004218	1.53	26.46	23	0.45
C3	C3.1	216.937	T500	40.38	37.2	38.97		39.02	0.001443	1.01	40.08	29.92	0.28
C3	C3.1	196.802	T500	40.38	37.1	38.96		39	0.001035	0.92	50.74	53.36	0.24
C3	C3.1	176.433	T500	40.38	37	38.83	37.95	38.95	0.002997	1.57	25.68	14.33	0.37
C3	C3.1	176		Culvert									
C3	C3.1	117.012	T500	40.38	36.9	38.68		38.79	0.002427	1.43	28.27	16.99	0.35
C3	C3.1	97.541	T500	40.38	36.8	38.12	38.12	38.64	0.021875	3.2	12.63	12.28	1.01
C3	C3.1	76.34	T500	40.38	36.7	38.18	37.55	38.29	0.003396	1.5	26.96	20.68	0.42

HEC-RAS Plan: P1 Profile: T500

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
C3	C3.1	56.663	T500	40.38	36.6	38.05	37.48	38.21	0.004621	1.75	23.09	16.26	0.47
C3	C3.1	56		Culvert									
C3	C3.1	0.663	T500	40.38	36.5	37.7	37.38	37.93	0.008501	2.12	19.01	16.11	0.62
C2	C2.1	1469.282	T500	54.71	73	73.9	73.88	74.25	0.020334	2.62	20.86	27.49	0.96
C2	C2.1	1454.791	T500	54.71	72.7	73.57	73.57	73.94	0.02262	2.68	20.39	28.14	1.01
C2	C2.1	1434.316	T500	54.71	72.3	73.09	73.12	73.44	0.025925	2.62	20.87	33.19	1.06
C2	C2.1	1414.172	T500	54.71	72	73	72.75	73.16	0.007537	1.78	31.39	39.81	0.6
C2	C2.1	1395.321	T500	54.71	71.7	72.57	72.57	72.91	0.023095	2.58	21.18	31.54	1.01
C2	C2.1	1373.607	T500	54.71	71.4	72.19	72.11	72.44	0.016513	2.24	24.45	35.08	0.86
C2	C2.1	1354.259	T500	54.71	71.1	72.05		72.2	0.007678	1.74	31.44	36.95	0.6
C2	C2.1	1335.6	T500	54.71	70.6	71.71		71.99	0.015243	2.34	23.37	29.46	0.84
C2	C2.1	1315.827	T500	54.71	70.3	71.25	71.25	71.62	0.022758	2.7	20.23	27.55	1.01
C2	C2.1	1296.57	T500	54.71	70	70.81	70.82	71.16	0.024202	2.64	20.74	31.73	1.03
C2	C2.1	1277.54	T500	54.71	68.7	69.05	69.34	70.11	0.178157	4.56	12	35.18	2.49
C2	C2.1	1215.368	T500	54.71	68.3	69.12	69.12	69.4	0.018183	2.42	24.92	49.41	0.91
C2	C2.1	1196.021	T500	54.71	68	69.09		69.18	0.00482	1.31	42.06	58.68	0.47
C2	C2.1	1176.927	T500	54.71	67.9	68.95		69.07	0.006625	1.53	36.56	52.83	0.55
C2	C2.1	1158.364	T500	54.71	67.8	68.81		68.94	0.007316	1.62	35.09	53.23	0.58
C2	C2.1	1135.511	T500	54.71	67.6	68.72		68.8	0.004104	1.32	41.87	51.29	0.44
C2	C2.1	1113.266	T500	54.71	67.5	68.44		68.64	0.013384	2.14	30.37	63.48	0.78
C2	C2.1	1093.878	T500	54.71	67.3	68.21		68.38	0.012597	1.91	30.82	57.22	0.74
C2	C2.1	1074.977	T500	54.71	67	68.1		68.21	0.00588	1.44	38.4	54.21	0.52
C2	C2.1	1050.966	T500	54.71	66.7	67.86		68.02	0.010048	1.78	30.68	42.68	0.67
C2	C2.1	1036.906	T500	54.71	66.4	67.43	67.43	67.8	0.022539	2.68	20.46	28.54	1.01
C2	C2.1	1017.7	T500	54.71	66.1	66.7	66.82	67.19	0.045539	3.11	17.59	32.97	1.36
C2	C2.1	997.221	T500	54.71	65.8	66.59	66.47	66.8	0.012273	2.08	27.72	43.65	0.75
C2	C2.1	956.367	T500	54.71	65.5	66.18	66.18	66.45	0.023728	2.31	23.78	47.35	0.99
C2	C2.1	937.179	T500	54.71	64.8	65.75	65.72	66.01	0.01713	2.29	25.31	45.7	0.87
C2	C2.1	917.161	T500	54.71	64.5	65.39	65.35	65.65	0.019178	2.24	24.55	40.88	0.91
C2	C2.1	898.451	T500	54.71	64.2	65.33		65.43	0.005146	1.47	39.46	52.14	0.5
C2	C2.1	877.965	T500	54.71	64	65.2		65.32	0.005648	1.63	37.07	51.59	0.53
C2	C2.1	856.991	T500	54.71	63.8	65.08		65.2	0.005787	1.59	36.18	50.02	0.53
C2	C2.1	838.02	T500	54.71	63.6	65.01		65.1	0.00384	1.35	41.51	50.32	0.44
C2	C2.1	821.435	T500	54.71	63.4	64.98		65.05	0.002271	1.13	49.1	49.59	0.34
C2	C2.1	802.208	T500	54.71	63.2	64.82		64.97	0.006725	1.72	31.79	35.15	0.57
C2	C2.1	783.929	T500	54.71	63	64.83		64.89	0.001718	1.06	51.74	41.64	0.3
C2	C2.1	762.294	T500	54.71	62.82	64.82		64.85	0.00077	0.82	77.32	74.41	0.21
C2	C2.1	748.672	T500	54.71	62.6	64.74		64.83	0.002006	1.43	42.79	31.09	0.34
C2	C2.1	729.078	T500	54.71	62.4	64.65		64.78	0.002851	1.58	34.52	21.56	0.4
C2	C2.1	705.69	T500	54.71	62.2	64.69		64.72	0.000729	0.88	62.69	36.37	0.21
C2	C2.1	679.536	T500	54.71	61.7	64.56		64.69	0.002185	1.57	34.87	16.77	0.35
C2	C2.1	656.79	T500	54.71	61.5	64.46		64.62	0.003481	1.76	31.16	17.62	0.42
C2	C2.1	635.354	T500	54.71	61.3	63.56	63.56	64.4	0.023144	4.05	13.5	8.16	1.01
C2	C2.1	614.682	T500	54.71	61	61.76	62.25	63.41	0.11279	5.68	9.62	14.05	2.19
C2	C2.1	593.013	T500	54.71	60.8	62.1	61.8	62.26	0.006685	1.77	31.55	35.28	0.57

HEC-RAS Plan: P1 Profile: T500

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
C2	C2.1	568.436	T500	54.71	60.6	62.09		62.15	0.001847	1.12	51.3	48.14	0.32
C2	C2.1	547.506	T500	54.71	60.4	62.09		62.12	0.000888	0.86	67.95	58.56	0.23
C2	C2.1	525.754	T500	54.71	60	61.89		62.07	0.005568	1.88	29.08	24.1	0.54
C2	C2.1	503.646	T500	54.71	59.6	61.3	61.3	61.82	0.020438	3.2	17.11	16.46	1
C2	C2.1	484.904	T500	54.71	59.2	60.82	60.85	61.42	0.022126	3.43	15.94	14.44	1.04
C2	C2.1	463.535	T500	54.71	58.8	60.49	60.08	60.74	0.007649	2.24	24.41	18.84	0.63
C2	C2.1	439.133	T500	54.71	58.4	60.19		60.53	0.009693	2.55	21.43	16.15	0.71
C2	C2.1	418.098	T500	54.71	58	60.35		60.4	0.000843	0.93	60.77	42.07	0.22
C2	C2.1	394.318	T500	54.71	57.6	60.27		60.36	0.001732	1.35	42.58	36.18	0.32
C2	C2.1	377.658	T500	54.71	57.2	59.69	59.69	60.25	0.021591	3.31	16.52	14.82	1
C2	C2.1	357.897	T500	54.71	56.8	58.9	59.15	59.71	0.032577	4.01	14.34	17.6	1.17
C2	C2.1	294.817	T500	54.71	56.21	56.72	57.06	58.16	0.267975	5.37	10.29	32.74	3.04
C2	C2.1	276.434	T500	54.71	56	57.18	57.1	57.46	0.016015	2.34	23.6	33.26	0.86
C2	C2.1	258.02	T500	54.71	55.6	56.71	56.71	57.1	0.02211	2.78	19.71	25.44	1.01
C2	C2.1	237.126	T500	54.71	55.2	56.5	56.23	56.73	0.009318	2.14	25.57	25.38	0.68
C2	C2.1	217.176	T500	54.71	54.8	56.28		56.55	0.008642	2.3	23.74	19.5	0.67
C2	C2.1	197.489	T500	54.71	54.4	56.34		56.42	0.002084	1.26	43.53	30.92	0.34
C2	C2.1	178.006	T500	54.71	54	56.35		56.38	0.000595	0.81	67.67	35.95	0.19
C2	C2.1	157.16	T500	54.71	53.6	56.35		56.37	0.000302	0.65	83.62	35.67	0.14
C2	C2.1	136.512	T500	54.71	53.2	55.86	55.86	56.31	0.023401	2.97	18.4	21.54	1.03
C2	C2.1	116.266	T500	54.71	52.8	54.37	54.77	55.58	0.047739	4.88	11.2	9.89	1.46
C2	C2.1	97.062	T500	54.71	52.4	53.75	53.98	54.7	0.03691	4.32	12.67	11.02	1.29
C2	C2.1	78.243	T500	54.71	52	54.05	52.96	54.15	0.001923	1.4	39.04	19.74	0.32
C2	C2.1	58.666	T500	54.71	51.8	54.08		54.12	0.00057	0.84	65.5	31.54	0.19
C1	C1.1	5996.373	T500	81.71	214	216.17	216.24	216.89	0.023514	3.77	21.65	17.61	1.09
C1	C1.1	5978.632	T500	81.71	213.94	215.38	215.64	216.34	0.039279	4.34	18.81	18.69	1.38
C1	C1.1	5958.785	T500	81.71	213	214.09	214.48	215.34	0.061687	4.95	16.5	18.99	1.7
C1	C1.1	5938.551	T500	81.71	212.1	213.61	213.75	214.44	0.026218	4.02	20.31	16.45	1.16
C1	C1.1	5918.56	T500	81.71	210.4	212.09	212.56	213.57	0.06954	5.38	15.19	16.85	1.81
C1	C1.1	5899.869	T500	81.71	209.5	211.08	211.51	212.46	0.048489	5.2	15.71	13.42	1.53
C1	C1.1	5881.605	T500	81.71	208.3	210.97	211.04	211.82	0.023086	4.08	20.03	13.55	1.07
C1	C1.1	5865.917	T500	81.71	208.1	209.97	210.38	211.28	0.043168	5.08	16.09	13.22	1.47
C1	C1.1	5848.833	T500	81.71	207.94	209.61	209.8	210.58	0.029235	4.37	18.7	14.15	1.21
C1	C1.1	5831.294	T500	81.71	207.5	208.49	208.89	209.82	0.062514	5.11	16	17.54	1.71
C1	C1.1	5814.749	T500	81.71	207	208.6	208.6	209.26	0.019344	3.59	22.74	17.33	1
C1	C1.1	5799.366	T500	81.71	206	206.99	207.49	208.63	0.079615	5.67	14.42	16.12	1.91
C1	C1.1	5780.016	T500	81.71	205.6	207.15	207.01	207.6	0.014159	2.97	27.51	22.29	0.85
C1	C1.1	5757.96	T500	81.71	205.2	206.64	206.64	207.23	0.019513	3.38	24.15	20.75	1
C1	C1.1	5739.084	T500	81.71	204.8	205.75	206.01	206.65	0.046295	4.2	19.47	23.36	1.47
C1	C1.1	5730.177	T500	81.71	204.4	205.25	205.53	206.19	0.057119	4.3	19.01	25.81	1.6
C1	C1.1	5712.837	T500	81.71	203.88	205.32	205.13	205.74	0.012794	2.89	28.24	21.43	0.8
C1	C1.1	5695.937	T500	81.71	203.5	205.28	204.8	205.54	0.006731	2.28	35.84	24.51	0.6
C1	C1.1	5680		Inl Struct									
C1	C1.1	5660.462	T500	81.71	202	203.66	203.66	204.23	0.020041	3.34	24.44	21.5	1
C1	C1.1	5638.062	T500	81.71	201	202.17	202.56	203.45	0.05761	5.01	16.32	17.04	1.63

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	5625.542	T500	81.71	200.5	202.21	202.25	202.92	0.020851	3.72	21.97	16.85	1.04
C1	C1.1	5603.476	T500	81.71	200	200.75	201.14	202.03	0.085241	5.02	16.29	23.57	1.93
C1	C1.1	5582.46	T500	81.71	198.4	200.16	200.3	200.95	0.027526	3.93	20.77	18.35	1.18
C1	C1.1	5562.116	T500	81.71	198	199.36	199.59	200.31	0.033599	4.32	18.9	16.63	1.29
C1	C1.1	5539.422	T500	81.71	197	198.94	198.32	199.19	0.005332	2.2	37.09	22.2	0.54
C1	C1.1	5519.593	T500	81.71	196.55	198.36	198.36	198.98	0.018159	3.49	23.72	20.58	0.98
C1	C1.1	5498.68	T500	81.71	196	197.18	197.51	198.34	0.049061	4.76	17.17	17.28	1.52
C1	C1.1	5478.12	T500	81.71	195	196.75	196.19	197	0.005713	2.19	37.31	23.16	0.55
C1	C1.1	5459.142	T500	81.71	194	196.24	196.24	196.78	0.022235	3.26	25.07	23.92	1.02
C1	C1.1	5438.171	T500	81.71	193.5	194.77	195.15	196.03	0.050794	4.97	16.43	15.7	1.55
C1	C1.1	5419.243	T500	81.71	193	193.95	194.25	195	0.050796	4.55	17.96	19.54	1.51
C1	C1.1	5399.045	T500	81.71	192.5	193.98	193.98	194.59	0.019805	3.45	23.71	19.76	1
C1	C1.1	5380.433	T500	81.71	192	193.09	193.34	194.05	0.040281	4.33	18.85	18.97	1.39
C1	C1.1	5362.702	T500	81.71	190	190.94	191.52	192.88	0.099201	6.17	13.24	15.41	2.12
C1	C1.1	5342.91	T500	81.71	189.6	191.3	191.3	191.92	0.019331	3.49	23.42	19.27	1
C1	C1.1	5325.43	T500	81.71	189.2	190.55	190.76	191.46	0.033596	4.21	19.41	17.83	1.28
C1	C1.1	5309.371	T500	81.71	188.8	190.35	190.37	191	0.020308	3.57	23.02	19.39	1.02
C1	C1.1	5297.111	T500	81.71	188.4	189.78	189.98	190.65	0.034008	4.15	19.71	18.64	1.29
C1	C1.1	5280.099	T500	81.71	188	189.31	189.46	190.09	0.028883	3.92	20.86	19.02	1.19
C1	C1.1	5258.544	T500	81.71	187.5	188.95	189.03	189.61	0.023957	3.61	22.66	20.68	1.1
C1	C1.1	5239.32	T500	81.71	187	188.92	188.61	189.3	0.009904	2.73	29.91	20.88	0.73
C1	C1.1	5219.063	T500	81.71	186.5	188.27	188.27	188.98	0.020311	3.74	21.83	15.44	1
C1	C1.1	5199.923	T500	81.71	185.93	188.1	187.54	188.44	0.007195	2.59	31.56	17.68	0.62
C1	C1.1	5198.5		Inl Struct									
C1	C1.1	5179.124	T500	81.71	182	185.31		185.86	0.011648	3.29	24.8	13.74	0.78
C1	C1.1	5159.48	T500	81.71	181	184.7	184.7	185.53	0.021306	4.02	20.31	12.38	1
C1	C1.1	5138.905	T500	81.71	180	183.21	183.71	184.83	0.045929	5.63	14.52	9.03	1.42
C1	C1.1	5118.69	T500	81.71	179	182.56	180.84	182.78	0.003088	2.09	39.09	12.06	0.37
C1	C1.1	5099.07	T500	81.71	178	182.31		182.68	0.005857	2.71	30.12	11.68	0.54
C1	C1.1	5079.385	T500	81.71	177.5	181.54	181.54	182.42	0.024222	4.18	19.57	11.14	1.01
C1	C1.1	5059.627	T500	81.71	177	179.54	180.18	181.57	0.066037	6.3	12.97	8.45	1.62
C1	C1.1	5039.622	T500	81.71	176.5	179.77	178.53	180.08	0.004724	2.46	33.26	11.87	0.47
C1	C1.1	5020.253	T500	81.71	176	178.91	178.91	179.85	0.020859	4.27	19.12	10.28	1
C1	C1.1	5009.219	T500	81.71	175.5	176.39	177.14	179.17	0.151683	7.39	11.06	12.64	2.52
C1	C1.1	4988.829	T500	81.71	175	178.06	176.98	178.37	0.004978	2.5	32.7	12.98	0.5
C1	C1.1	4955.449	T500	81.71	174.5	177.25	177.25	178.03	0.02035	3.91	20.91	13.57	1
C1	C1.1	4924.211	T500	81.71	174	176.75	176.06	177.16	0.008394	2.83	28.85	14.87	0.65
C1	C1.1	4907.519	T500	81.71	173.5	176.77		177.01	0.004703	2.16	37.86	21.16	0.52
C1	C1.1	4880.231	T500	81.71	173.18	176	175.93	176.73	0.017633	3.78	21.59	13.35	0.95
C1	C1.1	4864.313	T500	81.71	173.01	175.63	175.63	176.43	0.020648	3.95	20.7	13.08	1
C1	C1.1	4841.151	T500	81.71	172.5	174.81	175.05	175.78	0.038278	4.36	18.74	17.39	1.34
C1	C1.1	4824.646	T500	81.71	172.19	173.61	174.03	174.98	0.056229	5.17	15.8	15.66	1.64
C1	C1.1	4803.888	T500	81.71	171.6	174.04	173.67	174.35	0.008754	2.47	33.11	24.69	0.68
C1	C1.1	4784.237	T500	81.71	171.2	173.44	173.44	174.07	0.019658	3.52	23.23	18.32	1
C1	C1.1	4759.459	T500	81.71	170.8	173.3		173.67	0.009288	2.7	30.27	20.38	0.71

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	4739.7	T500	81.71	170.4	173.3		173.52	0.003412	2.11	38.8	15.42	0.42
C1	C1.1	4718.547	T500	81.71	170.2	173.18		173.44	0.00391	2.25	36.37	13.88	0.44
C1	C1.1	4699.012	T500	81.71	170	173.27	171.96	173.35	0.001252	1.28	67.46	39.58	0.28
C1	C1.1	4698		Culvert									
C1	C1.1	4679.745	T500	81.71	170	171.29	171.29	171.75	0.020899	2.98	27.42	30.41	1
C1	C1.1	4659.18	T500	81.71	169	170.01	170.35	171.06	0.048837	4.54	18.01	19.77	1.52
C1	C1.1	4639.687	T500	81.71	168	170.2	169.2	170.36	0.00349	1.8	45.45	25.76	0.43
C1	C1.1	4619.257	T500	81.71	167	169.48	169.48	170.17	0.02005	3.67	22.25	16.43	1.01
C1	C1.1	4598.438	T500	81.71	166	169.08	167.82	169.38	0.004662	2.41	33.91	11.97	0.46
C1	C1.1	4598		Culvert									
C1	C1.1	4579.392	T500	81.71	165.12	167.95		168.21	0.004359	2.25	36.25	15.69	0.47
C1	C1.1	4560.917	T500	81.71	165	167.41	167.41	168.03	0.019968	3.48	23.46	19.16	1
C1	C1.1	4543.156	T500	81.71	164.5	166.87	166.97	167.63	0.023756	3.86	21.15	16.89	1.1
C1	C1.1	4519.84	T500	81.71	164	166.2	166.34	167.02	0.028342	4.02	20.3	17.53	1.19
C1	C1.1	4499.784	T500	81.71	163.5	165.85	165.87	166.51	0.021438	3.61	22.62	17.91	1.03
C1	C1.1	4476.863	T500	81.71	163	164.66	164.99	165.83	0.036238	4.79	17.05	13.06	1.34
C1	C1.1	4457.221	T500	81.71	162.5	163.45	163.88	164.85	0.069234	5.24	15.59	17.69	1.78
C1	C1.1	4433.327	T500	81.71	162	164.22	163.54	164.43	0.004666	2.04	40.12	24.66	0.51
C1	C1.1	4417.309	T500	81.71	161.5	164.16		164.37	0.003356	2.03	42.33	25.98	0.45
C1	C1.1	4398.605	T500	81.71	161	163.64	163.64	164.22	0.01507	3.56	25.89	23	0.89
C1	C1.1	4375.989	T500	81.71	160.5	162.35	162.72	163.6	0.048561	5.28	18.4	27.03	1.55
C1	C1.1	4356.825	T500	81.71	160	162.48	162.48	163.08	0.01617	3.44	24.84	23.25	0.93
C1	C1.1	4338.287	T500	81.71	159.5	161.59	161.88	162.57	0.046085	4.38	18.64	20.66	1.47
C1	C1.1	4320.097	T500	81.71	159	160.43	160.85	161.7	0.045278	5.01	16.32	13.96	1.48
C1	C1.1	4302.861	T500	81.71	158.5	160.84	160.57	161.29	0.011677	2.99	27.34	18.9	0.79
C1	C1.1	4280.449	T500	81.71	158	160.32	160.32	160.94	0.019755	3.5	23.37	18.95	1
C1	C1.1	4260.488	T500	81.71	157.2	159.15	159.52	160.33	0.04274	4.8	17.02	15.01	1.44
C1	C1.1	4240.231	T500	81.71	156.4	157.93	158.37	159.4	0.045993	5.38	15.2	10.42	1.42
C1	C1.1	4222.402	T500	81.71	156	158.87	157.43	158.99	0.001744	1.56	52.53	22.32	0.32
C1	C1.1	4199.309	T500	81.71	155.5	158.41		158.87	0.011422	3.02	27.06	17.72	0.78
C1	C1.1	4183.133	T500	81.71	155	157.81	157.81	158.6	0.019796	3.95	20.69	13.23	1.01
C1	C1.1	4161.634	T500	81.71	154.68	156.37	156.82	157.82	0.067591	5.35	15.28	16.71	1.78
C1	C1.1	4141.126	T500	81.71	154	156.48	156.39	157	0.015598	3.18	25.66	20.08	0.9
C1	C1.1	4119.923	T500	81.71	153.5	156.19	156.07	156.67	0.01484	3.08	26.52	21.04	0.88
C1	C1.1	4100.303	T500	81.71	153	156.45		156.51	0.000601	1.04	78.4	26.23	0.19
C1	C1.1	4080.034	T500	81.71	152.5	156.44		156.49	0.000629	1.07	76.05	23.81	0.19
C1	C1.1	4059.232	T500	81.71	152	156.42	154.03	156.48	0.000607	1.07	76.24	24.16	0.19
C1	C1.1	4058		Culvert									
C1	C1.1	4039.077	T500	81.71	151.5	154.38	154.38	155.38	0.023164	4.43	18.44	9.26	1
C1	C1.1	4019.605	T500	81.71	151	152.64	153.21	154.53	0.079932	6.09	13.41	13.51	1.95
C1	C1.1	3999.155	T500	81.71	150	152.32	152.54	153.33	0.029311	4.45	18.36	13.59	1.22
C1	C1.1	3979.759	T500	81.71	149	150.67	151.22	152.42	0.069258	5.88	13.91	13.21	1.83
C1	C1.1	3959.431	T500	81.71	148	150.64	150.67	151.43	0.020743	3.95	20.68	14.01	1.04
C1	C1.1	3938.746	T500	81.71	147	149.77	150.16	150.84	0.037112	4.62	18.21	18.16	1.33
C1	C1.1	3918.177	T500	81.71	146.55	149.94	149.58	150.12	0.006104	2.12	44.72	41.44	0.55

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	3898.948	T500	81.71	146	149.9		150.03	0.00288	2.11	60.45	58.02	0.4
C1	C1.1	3877.045	T500	81.71	145.5	149.35	149.35	149.9	0.008612	3.5	29.97	32.3	0.69
C1	C1.1	3857.909	T500	81.71	145	147.71	148.26	149.44	0.056435	5.84	14	10.67	1.63
C1	C1.1	3840.535	T500	81.71	144.5	146.08	146.89	148.29	0.073038	6.58	12.42	8.91	1.78
C1	C1.1	3822.051	T500	81.71	144	146.63	145.99	147.02	0.008077	2.76	29.72	16.86	0.64
C1	C1.1	3803.668	T500	81.71	143.5	146.6		146.88	0.004449	2.36	36.07	22.76	0.52
C1	C1.1	3790.337	T500	81.71	143	146.18	146.11	146.75	0.016778	3.33	24.68	20.69	0.92
C1	C1.1	3771.933	T500	81.71	142.5	145.8	145.8	146.42	0.017569	3.55	24.24	21.13	0.94
C1	C1.1	3756.712	T500	81.71	142	145.29	145.48	146.04	0.036796	3.82	21.38	23.3	1.27
C1	C1.1	3735.919	T500	81.71	141.6	144.58	144.69	145.39	0.02616	4	20.43	15.63	1.12
C1	C1.1	3713.753	T500	81.71	141.2	144.12	144.15	144.9	0.021216	3.9	20.96	14.9	1.03
C1	C1.1	3695.287	T500	81.71	140.8	143.31	143.6	144.35	0.039251	4.52	18.09	16.88	1.37
C1	C1.1	3678.843	T500	81.71	140.38	143.11	143.16	143.84	0.02215	3.78	21.63	16.34	1.05
C1	C1.1	3660.466	T500	81.71	140	142.17	142.49	143.27	0.040029	4.64	17.63	15.9	1.41
C1	C1.1	3640.903	T500	81.71	139.6	142.2	141.66	142.49	0.006177	2.43	34.55	21.94	0.59
C1	C1.1	3620.112	T500	81.71	139.2	141.67	141.67	142.25	0.019283	3.38	24.32	22.09	0.99
C1	C1.1	3600.642	T500	81.71	138.8	140.83	141.09	141.73	0.033767	4.54	20.51	22.64	1.3
C1	C1.1	3580.392	T500	81.71	138.4	140.06	140.31	140.98	0.040721	4.24	19.28	20.68	1.4
C1	C1.1	3560.166	T500	81.71	138	140.04	140.04	140.57	0.020104	3.2	25.5	24.7	1
C1	C1.1	3541.204	T500	81.71	137.6	139.1	139.36	139.99	0.042977	4.18	19.53	22.15	1.42
C1	C1.1	3483.019	T500	81.71	137.2	139.34	138.16	139.42	0.001455	1.29	63.27	31.87	0.29
C1	C1.1	3465.752	T500	81.71	136.8	139.26		139.39	0.002176	1.57	52.01	26.73	0.36
C1	C1.1	3446.775	T500	81.71	136.4	139.27		139.34	0.001172	1.2	68.14	33.6	0.27
C1	C1.1	3427.067	T500	81.71	136	138.77	138.77	139.24	0.022367	3.05	26.94	28.98	1
C1	C1.1	3409.923	T500	81.71	136	136.91	137.39	138.46	0.083946	5.52	14.81	18.27	1.96
C1	C1.1	3390.836	T500	81.71	135.98	137.61	137.2	137.91	0.007608	2.42	33.75	23.09	0.64
C1	C1.1	3369.556	T500	81.71	135.97	137.5	137.08	137.74	0.006879	2.18	37.48	27.83	0.6
C1	C1.1	3350		Inl Struct									
C1	C1.1	3341.107	T500	81.71	134	135.27	135.27	135.81	0.019922	3.27	25	22.97	1
C1	C1.1	3321.536	T500	81.71	133.5	135.03	134.69	135.34	0.008529	2.47	33.14	24.35	0.67
C1	C1.1	3302.587	T500	81.71	133	134.91		135.19	0.006693	2.32	35.26	23.72	0.61
C1	C1.1	3282.279	T500	81.71	132.5	134.34	134.34	134.94	0.01958	3.42	23.9	20.12	1
C1	C1.1	3262.454	T500	81.71	132	133.54	133.73	134.44	0.029742	4.19	19.5	16.32	1.22
C1	C1.1	3241.513	T500	81.71	131.5	133.25	133.25	134	0.020036	3.84	21.3	14.23	1
C1	C1.1	3222.218	T500	81.71	131	132.38	132.63	133.46	0.035355	4.61	17.72	13.7	1.29
C1	C1.1	3202.633	T500	81.71	130.5	132.36	131.93	132.74	0.008522	2.73	29.95	17.49	0.67
C1	C1.1	3182.679	T500	81.71	130	132.42		132.59	0.002833	1.83	44.65	21.03	0.4
C1	C1.1	3160.689	T500	81.71	129.8	131.87	131.87	132.42	0.019982	3.29	24.8	22.44	1
C1	C1.1	3137.795	T500	81.71	129.4	130.42	130.78	131.64	0.055678	4.9	16.69	17.79	1.61
C1	C1.1	3117.227	T500	81.71	129	130.71	130.23	131	0.007096	2.42	33.73	20.86	0.61
C1	C1.1	3099.692	T500	81.71	128.8	130.68		130.88	0.004193	2	40.93	22.88	0.48
C1	C1.1	3079.369	T500	81.71	128.4	130.24		130.71	0.014244	3.04	26.91	21.4	0.86
C1	C1.1	3060.323	T500	81.71	128	130.06		130.45	0.010939	2.77	29.51	22.12	0.77
C1	C1.1	3038.98	T500	81.71	127	129.58	129.45	130.15	0.01602	3.35	24.39	16.94	0.89
C1	C1.1	3017.502	T500	81.71	126.5	129.08	129.08	129.76	0.020057	3.64	22.43	16.88	1.01

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	2998.514	T500	81.71	126	127.65	128.17	129.1	0.052486	5.34	15.32	13.29	1.59
C1	C1.1	2977.567	T500	81.71	125.5	128.7	127.2	128.82	0.001658	1.56	54.11	28.98	0.32
C1	C1.1	2958.69	T500	81.71	125	128.56		128.77	0.003211	2.03	40.16	17.26	0.43
C1	C1.1	2941.617	T500	81.71	124.5	128.67	126.01	128.71	0.000382	0.85	96.57	36.06	0.16
C1	C1.1	2890		Culvert									
C1	C1.1	2881.144	T500	81.71	124	126.48		126.6	0.002099	1.56	53.02	30.32	0.36
C1	C1.1	2859.408	T500	81.71	123.5	125.77	125.77	126.44	0.02004	3.99	22.72	16.67	0.86
C1	C1.1	2841.026	T500	81.71	123	123.78	124.21	125.48	0.175654	5.78	14.15	28.87	2.63
C1	C1.1	2823.397	T500	81.71	122.5	123.96	123.96	124.43	0.020985	3.03	26.96	29.3	1.01
C1	C1.1	2804.038	T500	81.71	122	123.09	123.31	123.83	0.046032	3.8	21.52	30.13	1.43
C1	C1.1	2763.553	T500	81.71	121.5	122.69	122.69	123.26	0.02062	3.34	24.49	21.79	1
C1	C1.1	2743.825	T500	81.71	121	122.73	122.11	122.94	0.004813	2.04	39.96	24.52	0.51
C1	C1.1	2722.288	T500	81.71	120.5	122.23	122.23	122.73	0.01892	3.14	26.34	28.3	0.98
C1	C1.1	2702.99	T500	81.71	120	121.33	121.58	122.16	0.045725	4.02	20.42	27.87	1.44
C1	C1.1	2682.432	T500	81.71	119.7	121.07	120.57	121.22	0.004424	1.72	47.74	38.6	0.49
C1	C1.1	2661.319	T500	81.71	119.4	120.91		121.11	0.005988	1.98	41.27	32.91	0.56
C1	C1.1	2643.263	T500	81.71	119.1	120.75		120.99	0.006774	2.16	37.79	28.27	0.6
C1	C1.1	2626.371	T500	81.71	118.9	120.7		120.88	0.003972	1.89	43.18	25.98	0.47
C1	C1.1	2603.79	T500	81.71	118.8	120.29		120.71	0.013599	2.89	28.31	22.59	0.82
C1	C1.1	2583.12	T500	81.71	118.5	120.12		120.46	0.008736	2.59	31.6	21.01	0.67
C1	C1.1	2562.669	T500	81.71	118.2	119.56	119.56	120.17	0.01993	3.48	23.45	19.13	1
C1	C1.1	2543.273	T500	81.71	117.9	118.91	119.1	119.63	0.040203	3.78	21.61	27.11	1.35
C1	C1.1	2525.928	T500	81.71	117.6	118.92	118.75	119.27	0.01274	2.6	31.41	28.89	0.8
C1	C1.1	2517.33	T500	81.71	117.3	118.69	118.69	119.14	0.015607	3.09	29.19	32.22	0.9
C1	C1.1	2502.029	T500	81.71	116.92	118.5	118.19	118.78	0.00836	2.36	34.98	29.38	0.67
C1	C1.1	2482.454	T500	81.71	116.7	118.02	118.02	118.52	0.020636	3.13	26.09	26.63	1.01
C1	C1.1	2461.822	T500	81.71	115.98	116.87	117.15	117.82	0.054717	4.31	18.95	24.83	1.58
C1	C1.1	2445.732	T500	81.71	115.5	116.65	116.72	117.27	0.024535	3.49	23.43	22.84	1.1
C1	C1.1	2420.441	T500	81.71	114.8	115.97	116.05	116.64	0.025076	3.62	22.56	20.55	1.1
C1	C1.1	2360.817	T500	30.18	113.32	113.86	114.22	115.43	0.296279	5.56	5.43	17.35	3.17
C1	C1.1	2360		Inl Struct									
C1	C1.1	2336.237	T500	30.18	111.98	112.62	112.62	112.91	0.024722	2.41	12.54	21.52	1.01
C1	C1.1	2314.552	T500	30.18	111.2	111.93	111.98	112.31	0.030426	2.74	11.01	18.36	1.13
C1	C1.1	2287.576	T500	30.18	110.4	111.22	111.23	111.58	0.023782	2.66	11.35	16.37	1.02
C1	C1.1	2264.415	T500	30.18	109.6	110.28	110.42	110.84	0.043067	3.31	9.11	14.43	1.33
C1	C1.1	2244.375	T500	30.18	108.8	109.76	109.5	109.93	0.008269	1.84	16.41	17.99	0.61
C1	C1.1	2222.702	T500	30.18	108	109.71		109.8	0.00346	1.34	22.54	21.38	0.42
C1	C1.1	2200.789	T500	30.18	107.95	109.16	109.16	109.61	0.02217	2.97	10.17	11.5	1.01
C1	C1.1	2185.027	T500	30.18	107.95	109.11	108.82	109.28	0.007608	1.81	16.65	17.8	0.6
C1	C1.1	2180		Inl Struct									
C1	C1.1	2165.686	T500	30.18	106.04	108.05	108.05	108.37	0.026515	2.52	11.99	19.3	1.02
C1	C1.1	2144.403	T500	30.18	105.7	107.05	106.58	107.18	0.004977	1.59	18.99	18.16	0.5
C1	C1.1	2124.89	T500	30.18	105.4	106.99		107.09	0.003081	1.41	21.35	16.6	0.4
C1	C1.1	2104.021	T500	43.55	105.1	106.95		107.04	0.002039	1.32	33.04	20.43	0.33
C1	C1.1	2085.232	T500	43.55	104.8	106.93		107	0.001404	1.2	36.19	18.28	0.27

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	2066.716	T500	43.55	104.5	106.46	106.46	106.9	0.023851	2.94	14.8	16.88	1
C1	C1.1	2043.051	T500	43.55	104.2	105.17	105.44	106.05	0.052811	4.14	10.52	14.13	1.53
C1	C1.1	2023.915	T500	43.55	103.92	105.07	105.07	105.52	0.021545	2.98	14.6	16.33	1.01
C1	C1.1	2003.037	T500	43.55	103.5	104.22	104.39	104.87	0.045742	3.57	12.19	18.33	1.4
C1	C1.1	1983.141	T500	43.55	103	103.77	103.85	104.28	0.032229	3.18	13.72	18.58	1.18
C1	C1.1	1964.157	T500	43.55	102.5	103.47	103.35	103.79	0.014776	2.5	17.44	18.23	0.81
C1	C1.1	1943.137	T500	43.55	102	103.53		103.62	0.002402	1.34	32.59	22.03	0.35
C1	C1.1	1923.263	T500	43.55	101.5	102.9	102.9	103.47	0.021121	3.34	13.03	11.54	1
C1	C1.1	1882.649	T500	43.55	101	102.97	101.72	103.01	0.000829	0.87	49.97	30.77	0.22
C1	C1.1	1863.598	T500	43.55	100.5	102.97		103	0.000298	0.63	69.03	30.06	0.13
C1	C1.1	1844.103	T500	43.55	100	102.9		102.98	0.001687	1.29	38.34	30.86	0.31
C1	C1.1	1824.298	T500	43.55	99.8	102.87		102.94	0.001925	1.3	39.56	36.51	0.32
C1	C1.1	1803.611	T500	43.55	99.6	102.74		102.87	0.006528	1.68	27.36	31.59	0.54
C1	C1.1	1785.82	T500	43.55	99.4	102.35	102.35	102.66	0.021416	2.48	18.28	33.11	0.94
C1	C1.1	1765.511	T500	43.55	99.2	99.95	100.44	101.65	0.117655	5.77	7.55	10.93	2.21
C1	C1.1	1743.051	T500	43.55	99	100.15	100.15	100.52	0.022708	2.71	16.1	21.91	1.01
C1	C1.1	1723.093	T500	43.55	98.8	99.48	99.57	99.96	0.034998	3.04	14.31	22.35	1.21
C1	C1.1	1703.307	T500	43.55	98.6	99.24	99.24	99.55	0.024009	2.47	17.63	28.66	1
C1	C1.1	1684.191	T500	43.55	98.2	98.91	98.8	99.12	0.014565	2.05	21.26	31.1	0.79
C1	C1.1	1664.712	T500	43.55	97.8	98.5	98.46	98.79	0.019704	2.38	18.33	26.88	0.92
C1	C1.1	1645.33	T500	43.55	97.4	98.26		98.48	0.011649	2.07	21.05	25.38	0.72
C1	C1.1	1624.291	T500	43.55	97	98.24		98.33	0.00303	1.33	32.8	28.15	0.39
C1	C1.1	1603.678	T500	43.55	96.6	97.74	97.68	98.17	0.01802	2.91	14.97	14.85	0.92
C1	C1.1	1582.233	T500	43.55	96.2	97.22	97.22	97.72	0.023211	3.15	13.84	13.87	1.01
C1	C1.1	1562.95	T500	43.55	95.8	96.72	96.77	97.24	0.027044	3.2	13.6	15.44	1.09
C1	C1.1	1542.966	T500	43.55	95.4	96.59	96.02	96.67	0.002786	1.22	35.74	32.5	0.37
C1	C1.1	1483.485	T500	43.55	95	96.03	96.03	96.51	0.022529	3.08	14.15	14.82	1.01
C1	C1.1	1463.895	T500	43.55	94.6	95.79	95.26	95.89	0.003409	1.39	31.4	27.06	0.41
C1	C1.1	1444.249	T500	43.55	94.2	95.58		95.79	0.00674	2.02	21.54	16.98	0.57
C1	C1.1	1424.101	T500	43.55	93.8	95.59		95.68	0.002147	1.32	33.11	22.07	0.34
C1	C1.1	1403.837	T500	43.55	93.4	94.98	94.98	95.53	0.021364	3.3	13.2	11.96	1
C1	C1.1	1380.787	T500	43.55	93	93.86	94.1	94.77	0.05241	4.22	10.31	12.21	1.47
C1	C1.1	1344.367	T500	43.55	92.6	94.19	93.29	94.24	0.001316	0.96	45.31	34.39	0.27
C1	C1.1	1324.218	T500	43.55	92.2	94.19		94.21	0.000633	0.75	57.93	36.1	0.19
C1	C1.1	1303.624	T500	43.55	92.1	94.18		94.2	0.00043	0.67	64.74	34.88	0.16
C1	C1.1	1283.849	T500	43.55	92	93.62	93.62	94.13	0.020833	3.15	13.83	13.69	1
C1	C1.1	1262.988	T500	43.55	91.8	92.34	92.62	93.28	0.094851	4.3	10.13	20.13	1.93
C1	C1.1	1242.503	T500	43.55	91.4	92.23	92.12	92.48	0.014412	2.2	19.75	25.94	0.81
C1	C1.1	1222.022	T500	43.55	91	92.01		92.22	0.00999	2.04	21.39	23.81	0.69
C1	C1.1	1201.759	T500	43.55	90.6	91.99		92.08	0.002947	1.34	32.56	27.21	0.39
C1	C1.1	1183.039	T500	43.55	90.2	91.99		92.04	0.001088	0.95	45.71	30.04	0.25
C1	C1.1	1163.023	T500	43.55	89.9	92		92.02	0.000371	0.63	69.04	37.33	0.15
C1	C1.1	1123.117	T500	43.55	89.6	91.28	91.28	91.93	0.022192	3.59	12.14	9.38	1.01
C1	C1.1	1102.258	T500	43.55	89.3	90.29	90.57	91.22	0.054178	4.27	10.19	13.22	1.55
C1	C1.1	1083.038	T500	43.55	89	90.23	90.1	90.62	0.014836	2.74	15.87	14.6	0.84

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	1063.314	T500	43.55	88.6	90.12		90.34	0.009288	2.04	21.35	22.49	0.67
C1	C1.1	1043.42	T500	43.55	88.3	90.16		90.23	0.001707	1.18	36.8	24.34	0.31
C1	C1.1	1023.518	T500	43.55	88	89.69	89.69	90.11	0.022324	2.86	15.24	18.74	1.01
C1	C1.1	1003.465	T500	43.55	87.7	89.22	89.23	89.66	0.022148	2.93	14.86	17.51	1.02
C1	C1.1	984.224	T500	43.55	87.4	88.38	88.57	89.09	0.036775	3.74	11.66	13.65	1.29
C1	C1.1	963.777	T500	43.55	87	88.29	87.95	88.51	0.007899	2.09	20.84	18.41	0.63
C1	C1.1	943.808	T500	43.55	86.7	87.74	87.74	88.24	0.022105	3.12	13.98	14.27	1
C1	C1.1	923.438	T500	43.55	86.4	87.28	87.32	87.74	0.025721	3.02	14.42	17.91	1.07
C1	C1.1	904.092	T500	43.55	86	87.15	86.82	87.34	0.007459	1.93	22.55	21.24	0.6
C1	C1.1	883.51	T500	43.55	85.7	87.1		87.22	0.003793	1.53	28.47	22.54	0.43
C1	C1.1	864.841	T500	43.55	85.4	86.82		87.1	0.008975	2.34	18.61	14.65	0.66
C1	C1.1	844.407	T500	43.55	85	86.35	86.35	86.8	0.022007	2.98	14.62	16.18	1
C1	C1.1	824.884	T500	43.55	84.7	86.25	85.72	86.45	0.005784	2	21.72	15.24	0.54
C1	C1.1	805.731	T500	43.55	84.4	86.26		86.34	0.002569	1.25	34.88	29.54	0.37
C1	C1.1	784.602	T500	43.55	83.99	86.23		86.29	0.001818	1.08	40.2	32.93	0.31
C1	C1.1	764.035	T500	43.55	83.7	85.62	85.62	86.15	0.021518	3.23	13.46	12.64	1
C1	C1.1	743.158	T500	43.55	83.3	84.07	84.44	85.3	0.081092	4.92	8.85	12.06	1.83
C1	C1.1	722.207	T500	43.55	83	84.82	83.99	84.95	0.002977	1.59	27.44	16.63	0.39
C1	C1.1	704.188	T500	43.55	82	84.65		84.86	0.006299	2.04	21.8	19.4	0.56
C1	C1.1	685.207	T500	43.55	81.68	84.35		84.71	0.00843	2.67	16.5	10.68	0.64
C1	C1.1	604.348	T500	43.55	81.4	83.74	83.74	84.42	0.022623	3.65	11.93	8.93	1.01
C1	C1.1	584.113	T500	43.55	81	82.07	82.56	83.57	0.077706	5.42	8.04	9.08	1.84
C1	C1.1	564.455	T500	43.55	80.5	83.17	81.58	83.23	0.001031	1.13	38.67	17.24	0.24
C1	C1.1	544.124	T500	43.55	80	83.07		83.19	0.003465	1.57	27.76	19.6	0.42
C1	C1.1	524.003	T500	43.55	79.7	82.85		83.09	0.005281	2.29	21.5	16.16	0.51
C1	C1.1	503.767	T500	43.55	79.37	82.86		82.96	0.003878	1.44	31.1	29.27	0.43
C1	C1.1	484.118	T500	43.55	79	82.37	82.37	82.77	0.027508	2.82	15.47	20.66	1.04
C1	C1.1	464.806	T500	43.55	78.7	79.88	80.48	81.79	0.090127	6.11	7.12	6.79	1.91
C1	C1.1	445.237	T500	43.55	78.4	80.72	80.07	81.03	0.007082	2.45	17.75	9.74	0.58
C1	C1.1	424.072	T500	43.55	78	80.76		80.89	0.002499	1.63	26.74	13.08	0.36
C1	C1.1	405.394	T500	43.55	77.7	80.74		80.85	0.001783	1.47	29.55	11.18	0.29
C1	C1.1	385.024	T500	43.55	77.4	80.27		80.74	0.011613	3.03	14.35	6.38	0.65
C1	C1.1	364.842	T500	43.55	77	79.93		80.47	0.014756	3.26	13.37	6.93	0.75
C1	C1.1	345.742	T500	43.55	76.7	79.66	79.3	80.14	0.017601	3.07	14.17	10.8	0.86
C1	C1.1	325.855	T500	43.55	76.4	79.86		79.95	0.001615	1.35	32.31	14.03	0.28
C1	C1.1	306.081	T500	43.55	76.2	79.85		79.92	0.001104	1.17	37.11	15.69	0.24
C1	C1.1	287.082	T500	43.55	75.99	79.02	79.02	79.79	0.026065	3.88	11.22	7.36	1
C1	C1.1	266.455	T500	43.55	75.8	78.04	78.4	79.08	0.043693	4.51	9.65	8.49	1.35
C1	C1.1	249.017	T500	43.55	75.7	78.15	77.97	78.53	0.013235	2.74	16.18	17.36	0.8
C1	C1.1	229.036	T500	43.55	75.49	77.94		78.28	0.010938	2.58	16.89	13.47	0.73
C1	C1.1	207.416	T500	43.55	75.3	77.37	77.37	77.93	0.022298	3.33	13.07	11.81	1.01
C1	C1.1	191.288	T500	43.55	75.1	76.32	76.63	77.39	0.044986	4.58	9.51	8.54	1.38
C1	C1.1	168.283	T500	43.55	75	76.78	76.12	76.95	0.004738	1.87	23.34	16.14	0.5
C1	C1.1	147.853	T500	43.55	74.8	76.82		76.87	0.001327	1.01	42.98	29.98	0.27
C1	C1.1	128.478	T500	43.55	74.7	76.81		76.85	0.000769	0.88	51.23	40.32	0.21

HEC-RAS Plan: P1 Profile: T500

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
C1	C1.1	108.621	T500	43.55	74.6	76.8		76.83	0.000513	0.78	61.14	49.39	0.17
C1	C1.1	86.758	T500	43.55	74.5	76.52	76.52	76.77	0.024688	2.24	19.67	40.38	0.99
C1	C1.1	66.171	T500	43.55	74.3	74.99	75.25	75.83	0.091305	4.06	10.73	22.74	1.89
C1	C1.1	45.97	T500	43.55	74.1	74.96	74.88	75.16	0.012438	2.13	23.67	43.26	0.76
C1	C1.1	27.956	T500	43.55	74	74.64	74.64	74.88	0.02028	2.3	21.36	46.08	0.93

3.5.4.2.- Arroyo de la Salud

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	5801.595	T500	43.42	375.56	376.96	377.26	377.91	0.056069	4.32	10.06	13.21	1.58
S1.1	5783.23	T500	43.42	370	370.68	371.5	375.29	0.450033	9.51	4.56	8.74	4.2
S1.1	5761.33	T500	43.42	364	365.23	366.01	368.41	0.207469	7.9	5.49	7.43	2.93
S1.1	5742.007	T500	43.42	360	360.88	361.58	363.94	0.255853	7.75	5.6	9.56	3.23
S1.1	5721.519	T500	43.42	355.87	356.71	357.33	359.12	0.200712	6.87	6.32	10.79	2.86
S1.1	5701.558	T500	43.42	351.38	352.51	353.25	355.31	0.177592	7.42	5.85	7.86	2.74
S1.1	5681.609	T500	43.42	347.43	348.52	349.2	351.32	0.226035	7.42	5.85	9.41	3.01
S1.1	5660.631	T500	43.42	344.61	345.82	346.43	347.83	0.113151	6.28	6.92	8.47	2.22
S1.1	5641.317	T500	43.42	342	342.96	343.58	345.21	0.161025	6.65	6.53	9.83	2.61
S1.1	5620.285	T500	43.42	340	341.05	341.5	342.5	0.089644	5.34	8.13	10.99	1.98
S1.1	5602.181	T500	43.42	338.14	339.39	339.86	340.88	0.088736	5.42	8.01	10.43	1.97
S1.1	5581.136	T500	43.42	336.21	337.74	338.25	339.26	0.067192	5.47	7.94	7.82	1.73
S1.1	5561.403	T500	43.42	334.34	335.66	336.24	337.57	0.10843	6.12	7.09	8.77	2.17
S1.1	5542.537	T500	43.42	332	332.87	333.49	335.12	0.152933	6.65	6.53	9.35	2.54
S1.1	5523.387	T500	43.42	331.19	332.73	332.89	333.46	0.034096	3.79	11.47	12.28	1.25
S1.1	5502.724	T500	43.42	328.05	329.15	329.85	331.87	0.187695	7.32	5.93	8.59	2.81
S1.1	5483.018	T500	43.42	324	324.9	325.67	328	0.202403	7.8	5.57	7.5	2.89
S1.1	5466.305	T500	43.42	322	323.1	323.74	325.24	0.112926	6.48	6.7	7.55	2.19
S1.1	5446.685	T500	43.42	318	319.1	319.88	322.23	0.203213	7.84	5.54	7.54	2.92
S1.1	5422.809	T500	43.42	311.39	313.17	314.21	317.16	0.214049	8.85	4.91	4.88	2.82
S1.1	5404.218	T500	43.42	306.12	307.34	308.33	312.19	0.33123	9.75	4.45	6.15	3.66
S1.1	5383.11	T500	43.42	302.52	303.92	304.7	306.79	0.165844	7.51	5.78	7.01	2.64
S1.1	5365.491	T500	43.42	300.04	301.16	301.85	303.75	0.170328	7.13	6.09	8.49	2.69
S1.1	5345.26	T500	43.42	294.62	295.89	296.77	299.6	0.237653	8.53	5.09	6.74	3.13
S1.1	5323.098	T500	43.42	290	291.18	292.05	294.65	0.204208	8.25	5.26	6.41	2.91
S1.1	5304.842	T500	43.42	287.63	288.52	289.14	290.86	0.175596	6.79	6.4	9.95	2.7
S1.1	5282.392	T500	43.42	283.85	284.86	285.51	287.21	0.15155	6.79	6.39	8.74	2.53
S1.1	5261.925	T500	43.42	281.89	282.94	283.44	284.57	0.094658	5.67	7.66	9.69	2.03
S1.1	5236.845	T500	43.42	278.32	279.77	280.43	281.93	0.113551	6.5	6.68	7.59	2.21
S1.1	5220.262	T500	43.42	275.95	277.47	278.21	279.93	0.123888	6.95	6.25	6.57	2.27
S1.1	5202.369	T500	43.42	273.97	275.68	276.37	277.85	0.100676	6.52	6.66	6.33	2.03
S1.1	5181.993	T500	43.42	271.16	272.49	273.27	275.28	0.154115	7.4	5.87	6.8	2.54
S1.1	5161.127	T500	43.42	266	267.17	268.04	271.04	0.263377	8.72	4.98	6.97	3.29
S1.1	5141.346	T500	43.42	262.5	263.41	264.12	266.22	0.198277	7.43	5.84	8.58	2.87
S1.1	5121.974	T500	43.42	259.9	260.81	261.39	262.83	0.136677	6.29	6.9	9.92	2.41
S1.1	5104.571	T500	43.42	257.59	258.49	259.02	260.35	0.142308	6.04	7.19	11.5	2.44
S1.1	5080.421	T500	43.42	255	256.11	256.59	257.64	0.085315	5.48	7.93	9.8	1.94
S1.1	5065.17	T500	43.42	254	254.86	255.3	256.27	0.088904	5.26	8.26	11.19	1.95
S1.1	5048.936	T500	43.42	251.92	253.13	253.67	254.84	0.083991	5.79	7.5	8	1.91
S1.1	5036.605	T500	43.42	249.93	251.12	251.81	253.5	0.129053	6.84	6.35	7.25	2.34
S1.1	5016.544	T500	43.42	247.86	248.84	249.43	250.85	0.123802	6.29	6.9	9.03	2.3

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	4999.739	T500	43.42	245.86	247.01	247.57	248.82	0.111384	5.97	7.28	9.66	2.19
S1.1	4966.822	T500	43.42	239.77	240.52	241.14	243.25	0.275811	7.31	5.94	11.64	3.27
S1.1	4940.71	T500	43.42	237.1	238.71	239.01	239.66	0.064257	4.32	10.05	14.01	1.63
S1.1	4918.883	T500	43.42	235.25	236.38	236.85	237.91	0.096073	5.47	7.94	10.88	2.04
S1.1	4899.315	T500	43.42	232.33	233.56	234.17	235.67	0.130539	6.43	6.75	8.99	2.37
S1.1	4882.608	T500	43.42	229.97	231.1	231.78	233.43	0.134232	6.77	6.41	7.59	2.35
S1.1	4863.521	T500	43.42	228	229.38	229.97	231.24	0.08784	6.04	7.19	7.34	1.95
S1.1	4845.83	T500	43.42	226	227.38	228.03	229.51	0.106862	6.46	6.72	7.26	2.14
S1.1	4822.375	T500	43.42	223.85	225.04	225.61	226.91	0.107963	6.06	7.16	9.03	2.17
S1.1	4791.806	T500	43.42	220.71	221.69	222.13	223.21	0.128852	5.47	7.94	13.83	2.3
S1.1	4771.995	T500	43.42	217.97	218.88	219.41	220.7	0.121682	5.98	7.26	10.37	2.28
S1.1	4745.188	T500	43.42	214	214.93	215.51	216.98	0.157848	6.34	6.85	10.92	2.55
S1.1	4717.828	T500	43.42	211	211.74	212.16	213.15	0.113689	5.25	8.26	13.87	2.17
S1.1	4698.171	T500	43.42	209.57	210.39	210.67	211.33	0.066049	4.31	10.08	15.09	1.68
S1.1	4678.983	T500	43.42	207.12	208.1	208.55	209.63	0.116132	5.48	7.93	12.66	2.21
S1.1	4659.117	T500	43.42	205.27	206.08	206.46	207.34	0.106583	4.97	8.73	15.23	2.1
S1.1	4639.265	T500	43.42	203.6	204.5	204.84	205.59	0.070026	4.62	9.4	13.19	1.75
S1.1	4620.197	T500	43.42	201.5	202.26	202.73	203.84	0.117667	5.57	7.8	12.19	2.22
S1.1	4599.653	T500	43.42	199.94	201	201.32	202.04	0.057933	4.51	9.62	12.02	1.61
S1.1	4579.202	T500	43.42	197.94	198.56	198.99	200.14	0.157875	5.58	7.78	15.24	2.49
S1.1	4558.269	T500	43.42	195.89	196.78	197.12	197.89	0.070079	4.66	9.31	12.82	1.75
S1.1	4538.41	T500	43.42	193.98	194.92	195.35	196.31	0.087008	5.23	8.31	11.3	1.95
S1.1	4519.911	T500	43.42	191.94	192.84	193.34	194.5	0.107623	5.71	7.61	10.56	2.15
S1.1	4500.942	T500	43.42	190	190.8	191.28	192.4	0.112556	5.61	7.74	11.5	2.18
S1.1	4486.429	T500	43.42	188.99	190.68	190.81	191.37	0.029634	3.68	11.8	11.82	1.18
S1.1	4471.051	T500	43.42	186.15	187.79	188.56	190.36	0.125822	7.1	6.11	6.19	2.28
S1.1	4450.405	T500	43.42	183.94	185.09	185.79	187.55	0.144384	6.94	6.26	7.86	2.48
S1.1	4427.206	T500	43.42	181.94	182.7	183.15	184.24	0.118925	5.5	7.9	12.65	2.22
S1.1	4405.877	T500	43.42	179.98	181.32	181.68	182.45	0.055103	4.71	9.22	10.22	1.58
S1.1	4388.979	T500	43.42	179.91	181.46	181.07	181.67	0.007265	2.02	21.46	18.73	0.6
S1.1	4388		Inl Struct									
S1.1	4364.923	T500	43.42	177.5	179.1	179.1	179.66	0.020909	3.32	13.1	11.8	1
S1.1	4348.489	T500	43.42	177	177.51	177.89	178.86	0.143025	5.15	8.42	17.13	2.35
S1.1	4327.756	T500	43.42	176.5	177.44	177.09	177.56	0.005439	1.52	28.64	30.95	0.5
S1.1	4305.845	T500	43.42	175.96	177.21	176.9	177.4	0.008131	1.94	22.44	22.76	0.62
S1.1	4300		Inl Struct									
S1.1	4286.238	T500	43.42	173.96	175.32	175.32	175.75	0.021809	2.91	14.94	17.62	1.01
S1.1	4266.297	T500	43.42	173.6	174.89	174.58	175.09	0.008201	1.96	22.14	22.67	0.63
S1.1	4250		Inl Struct									
S1.1	4240.228	T500	43.42	172	173.65	173.65	174.24	0.021098	3.4	12.77	10.99	1.01
S1.1	4221.165	T500	43.42	171.59	172.53	172.85	173.53	0.067778	4.43	9.8	14.38	1.71
S1.1	4191.107	T500	43.42	169.89	170.48	170.91	172.07	0.166684	5.58	7.78	15.87	2.54
S1.1	4180		Inl Struct									
S1.1	4175.088	T500	43.42	168.5	169.92	169.92	170.45	0.020969	3.21	13.51	12.94	1
S1.1	4158.131	T500	43.42	168	168.8	169.11	169.81	0.069833	4.45	9.76	14.42	1.73

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	4135.194	T500	43.42	167.5	168.57	168.4	168.86	0.012534	2.36	18.36	19.1	0.77
S1.1	4116.152	T500	43.42	167	168.36		168.63	0.010851	2.28	19	18.87	0.73
S1.1	4099.337	T500	43.42	166.5	167.82	167.82	168.36	0.02105	3.24	13.4	12.68	1.01
S1.1	4078.851	T500	43.42	166	166.72	166.99	167.63	0.062668	4.21	10.31	15.15	1.63
S1.1	4053.83	T500	43.42	165.5	166.66	166.66	167.13	0.021518	3.03	14.35	15.59	1.01
S1.1	4033.063	T500	43.42	164	164.54	164.96	166.07	0.155315	5.49	7.91	15.68	2.47
S1.1	4014		Inl Struct									
S1.1	4013.949	T500	43.42	161.97	162.92	162.92	163.34	0.02219	2.89	15.01	17.84	1.01
S1.1	3993.442	T500	43.42	161	161.98	162.17	162.7	0.042074	3.75	11.56	15.03	1.37
S1.1	3972.151	T500	43.42	160	160.85	161.09	161.69	0.052055	4.08	10.64	14.17	1.5
S1.1	3953.608	T500	43.42	159	159.89	160.14	160.74	0.050849	4.09	10.63	14.01	1.5
S1.1	3938.189	T500	43.42	158	158.76	159.06	159.72	0.0865	4.34	10.1	21.57	1.87
S1.1	3916.994	T500	43.42	157	158.05	158.15	158.59	0.02993	3.23	13.42	17.12	1.17
S1.1	3897.419	T500	43.42	156	157.29	157.45	157.92	0.037379	3.52	12.33	16.3	1.29
S1.1	3876.703	T500	43.42	155	155.89	156.19	156.84	0.072461	4.33	10.03	16.05	1.75
S1.1	3856.104	T500	43.42	154	155.55	155.55	156.11	0.021085	3.33	13.05	11.72	1.01
S1.1	3836.94	T500	43.42	153	153.64	154.09	155.2	0.125777	5.52	7.86	12.45	2.22
S1.1	3811.414	T500	43.42	152	153.41	153.41	153.86	0.021707	2.98	14.59	16.43	1.01
S1.1	3790.745	T500	43.42	151	151.64	152.02	152.92	0.109097	5.01	8.67	15.11	2.11
S1.1	3769.832	T500	43.42	150	150.85	150.97	151.36	0.041274	3.17	13.68	23.08	1.32
S1.1	3740.528	T500	43.42	149	150.67	150.21	150.9	0.00777	2.12	20.43	17.05	0.62
S1.1	3711.851	T500	43.42	147.98	149.91	149.91	150.51	0.021703	3.44	12.62	10.47	1
S1.1	3688.422	T500	43.42	147	147.72	148.24	149.4	0.121922	5.74	7.56	10.89	2.2
S1.1	3669.913	T500	43.42	146	147.58	146.83	147.67	0.002386	1.29	33.78	25.39	0.36
S1.1	3665		Culvert									
S1.1	3630.01	T500	43.42	141	143.28	143.28	144.43	0.025439	4.76	9.13	4	1
S1.1	3609.083	T500	43.42	139	140.43	141.29	143.35	0.089227	7.57	5.74	4	2.02
S1.1	3569.803	T500	43.42	137	138.38	139.29	141.54	0.099893	7.88	5.51	4	2.14
S1.1	3531.94	T500	43.42	135	136.37	137.28	139.57	0.101421	7.93	5.48	4	2.16
S1.1	3516.517	T500	43.42	134	135.55	136.29	138.05	0.072117	7.01	6.2	4	1.8
S1.1	3461.697	T500	43.42	133	134.57	135.29	137.01	0.069699	6.92	6.27	4	1.76
S1.1	3437.323	T500	43.42	132	133.96	134.29	135.52	0.037886	5.53	7.86	4	1.26
S1.1	3415.168	T500	43.42	131	132.86	133.28	134.6	0.044128	5.85	7.42	4	1.37
S1.1	3384.712	T500	43.42	130.5	132.79	132.79	133.93	0.025333	4.75	9.15	4	1
S1.1	3360.843	T500	43.42	130	132.29	132.29	133.43	0.025363	4.75	9.14	4	1
S1.1	3341.308	T500	43.42	129.5	132.29	132.46	132.86	0.016548	3.79	15.67	28.07	0.72
S1.1	3321.525	T500	43.42	129	131.26	131.29	132.44	0.026226	4.81	9.03	4	1.02
S1.1	3302.005	T500	43.42	128.5	130.77	130.79	131.94	0.025886	4.79	9.07	4	1.01
S1.1	3260.023	T500	43.42	128	130.07	130.29	131.47	0.032836	5.24	8.29	4	1.16
S1.1	3213.161	T500	43.42	125	126.3	127.28	129.86	0.118075	8.37	5.19	4	2.35
S1.1	3175.133	T500	43.42	124.5	126.33	126.79	128.12	0.045944	5.94	7.31	4	1.4
S1.1	3157.794	T500	43.42	124	126.2	126.29	127.44	0.027953	4.93	8.81	4	1.06
S1.1	3137.708	T500	43.42	122	127.2	124.29	127.21	0.000064	0.4	108.17	39.2	0.06
S1.1	3117.823	T500	43.42	121.5	127.2		127.2	0.000045	0.35	122.11	40.11	0.05
S1.1	3094.516	T500	43.42	121	127.2	122.75	127.2	0.000027	0.34	138.05	36.81	0.04

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	3040		Culvert									
S1.1	3037.848	T500	43.42	120.5	121.65	122.78	126.2	0.16637	9.45	4.6	4	0.04
S1.1	3018.277	T500	43.42	120	121.73	122.79	123.73	0.053166	6.27	6.93	4	1.52
S1.1	2993.185	T500	43.42	119.5	121.82	121.78	122.94	0.024514	4.69	9.26	4	0.98
S1.1	2972.897	T500	43.42	119	121.35	121.28	122.44	0.023484	4.61	9.41	4	0.96
S1.1	2951.655	T500	43.42	118.5	120.87	120.78	121.94	0.023156	4.59	9.46	4	0.95
S1.1	2930.164	T500	43.42	118	120.39	120.28	121.44	0.022489	4.54	9.57	4	0.94
S1.1	2909.298	T500	43.42	117.5	119.79	119.79	120.93	0.025251	4.74	9.16	4	1
S1.1	2889.624	T500	43.42	117	119.32	119.29	120.44	0.024514	4.69	9.26	4	0.98
S1.1	2869.561	T500	43.42	116.5	118.9	118.78	119.94	0.022307	4.52	9.6	4	0.93
S1.1	2847.714	T500	43.42	116	118.34	118.29	119.44	0.023727	4.63	9.38	4	0.97
S1.1	2827.381	T500	43.42	115.5	117.79	117.79	118.93	0.025328	4.75	9.15	4	1
S1.1	2808.495	T500	43.42	115	117.23	117.28	118.44	0.02693	4.86	8.93	4	1.04
S1.1	2790.117	T500	43.42	114.5	116.72	116.79	117.94	0.027294	4.88	8.89	4	1.05
S1.1	2768.426	T500	43.42	114	117.26	116.29	117.44	0.003501	2.16	24.68	20.54	0.38
S1.1	2748.472	T500	43.42	113.5	117.29	115.47	117.38	0.00111	1.46	34.69	18.32	0.24
S1.1	2745		Culvert									
S1.1	2728.053	T500	43.42	113	114.97	114.97	115.96	0.020849	4.4	9.86	5	1
S1.1	2708.317	T500	43.42	112.5	114.32	114.47	115.48	0.026098	4.78	9.09	5	1.13
S1.1	2689.479	T500	43.42	112	114.53	113.97	115.12	0.010552	3.43	12.97	17.51	0.69
S1.1	2667.637	T500	43.42	111.5	114.76		114.89	0.00232	1.84	29.95	26.71	0.33
S1.1	2648.323	T500	43.42	111	114.8	113.12	114.84	0.000631	1.06	50.2	34.94	0.17
S1.1	2645		Culvert									
S1.1	2628.511	T500	43.42	110.5	112.62	112.62	113.68	0.022689	4.56	9.52	4.5	1
S1.1	2608.676	T500	43.42	110	112.01	112.12	113.18	0.02595	4.79	9.06	4.5	1.08
S1.1	2589.296	T500	43.42	109	110.6	111.12	112.45	0.048337	6.01	7.22	4.5	1.52
S1.1	2568.959	T500	43.42	108.8	110.96	110.92	111.98	0.021477	4.47	9.72	4.5	0.97
S1.1	2549.572	T500	43.42	108	111.2		111.6	0.00575	2.86	16.54	10.64	0.51
S1.1	2528.213	T500	43.42	107.5	111.36		111.46	0.001145	1.46	29.83	13.61	0.31
S1.1	2508.121	T500	43.42	107	110.35	110.35	111.32	0.020209	4.35	9.98	5.24	1.01
S1.1	2489.056	T500	43.42	106.5	107.22	107.97	110.3	0.140849	7.78	5.58	8.33	3.03
S1.1	2469.118	T500	43.42	105.99	106.56	106.91	107.77	0.073157	4.88	8.91	17.32	2.17
S1.1	2448.395	T500	43.42	105.5	106.9	106.9	107.36	0.012899	3	14.48	15.77	1
S1.1	2427.708	T500	43.42	105	106.18	106.4	106.93	0.031858	3.82	11.37	16.73	1.48
S1.1	2408.781	T500	43.42	104.5	106.29	106.13	106.55	0.007927	2.3	18.89	21.19	0.78
S1.1	2388.191	T500	43.42	104	106.31		106.45	0.001654	1.63	26.81	15.74	0.39
S1.1	2369.324	T500	43.42	103.5	106.31		106.41	0.001168	1.43	30.46	14.93	0.32
S1.1	2349.042	T500	43.42	103	106.02		106.35	0.004485	2.56	16.98	7.97	0.56
S1.1	2329.434	T500	43.42	102.5	106.18		106.25	0.000526	1.13	38.34	11.87	0.2
S1.1	2308.943	T500	43.42	102	106.19		106.23	0.000334	0.97	44.9	13.91	0.17
S1.1	2288.27	T500	43.42	101.5	106.16		106.22	0.000539	1.14	38.02	11.21	0.2
S1.1	2267.888	T500	43.42	101	106.18		106.2	0.000109	0.63	68.79	16.45	0.1
S1.1	2248.424	T500	43.42	100.16	106.18		106.2	0.000153	0.71	60.98	16.96	0.12
S1.1	2227.923	T500	43.42	99.5	106.18		106.19	0.000066	0.52	99.97	37.87	0.08
S1.1	2187.527	T500	43.42	99	104.63	104.63	106.05	0.054729	5.28	8.23	2.92	1

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	2168.742	T500	43.42	98.5	102.11	100.12	102.2	0.000846	1.35	32.07	11.85	0.26
S1.1	2168		Culvert									
S1.1	2127.45	T500	43.42	98	100.71		100.78	0.000669	1.17	37.1	15.85	0.24
S1.1	2108.343	T500	43.42	97.5	100.44		100.73	0.003854	2.38	18.24	8.05	0.5
S1.1	2088.708	T500	43.42	97	99.77	99.77	100.53	0.025303	3.86	11.26	7.49	1
S1.1	2068.559	T500	43.42	96.5	98.46	98.73	99.79	0.047798	5.1	8.51	4.82	1.23
S1.1	2048.189	T500	43.42	96	98.01	98.18	98.61	0.046558	3.45	12.6	20.02	1.39
S1.1	2025.927	T500	43.42	95.5	97.41	97.42	98.15	0.023668	3.81	11.4	7.85	1.01
S1.1	2008.242	T500	43.42	95	95.97	96.41	97.39	0.077028	5.28	8.22	9.68	1.83
S1.1	1988.672	T500	43.42	94.5	96.33	95.59	96.52	0.004422	1.89	22.94	12.98	0.45
S1.1	1948.121	T500	43.42	94	95.66	95.66	96.29	0.022316	3.52	12.33	9.78	1
S1.1	1929.094	T500	43.42	93.5	94.57	94.88	95.63	0.051909	4.57	9.51	10.38	1.52
S1.1	1907.899	T500	43.42	93	94.25	94.33	94.89	0.026566	3.56	12.18	11.65	1.11
S1.1	1868.152	T500	43.42	92.5	93.53	93.72	94.24	0.040504	3.74	11.62	14.92	1.35
S1.1	1847.749	T500	43.42	92	93.06	93.1	93.54	0.025009	3.08	14.09	16.76	1.07
S1.1	1827.024	T500	43.42	91.5	92.47	92.54	92.99	0.027923	3.18	13.64	16.82	1.13
S1.1	1808.779	T500	43.42	91	92.37	92.04	92.6	0.008337	2.16	20.14	17.8	0.65
S1.1	1787.636	T500	43.42	90.5	91.8	91.8	92.31	0.021053	3.15	13.77	13.7	1
S1.1	1767.092	T500	43.42	90	91.86	91.24	91.98	0.003323	1.59	29.09	26	0.42
S1.1	1750.449	T500	43.42	89.5	91.88		91.93	0.001167	1.06	43.12	32.81	0.26
S1.1	1728.833	T500	43.42	89	91.45		91.84	0.009674	2.77	15.68	6.79	0.58
S1.1	1689.601	T500	43.42	88.5	91.54		91.67	0.002521	1.7	27.96	14.15	0.33
S1.1	1669.926	T500	43.42	88.3	91.23		91.56	0.010611	2.53	17.14	11.83	0.67
S1.1	1648.354	T500	43.42	88	90.76	90.76	91.21	0.024407	2.99	14.59	16.66	1
S1.1	1624.313	T500	43.42	87.5	88.45	88.93	90.03	0.106878	5.57	7.8	11.11	2.12
S1.1	1608.899	T500	43.42	87	88.85	88.58	89.06	0.009927	2.03	21.4	24.04	0.69
S1.1	1587.53	T500	43.42	86.61	88.79		88.93	0.003213	1.72	27.94	24.79	0.42
S1.1	1568.867	T500	43.42	86.45	88.33	88.33	88.77	0.022269	2.95	14.73	16.93	1.01
S1.1	1548.173	T500	43.42	86.3	88.32	87.56	88.4	0.002209	1.31	34.9	32.48	0.35
S1.1	1527.59	T500	43.42	86.15	88.23		88.34	0.00388	1.5	29.11	27.39	0.45
S1.1	1507.467	T500	43.42	86	87.72	87.72	88.16	0.020832	2.93	14.89	18.18	0.99
S1.1	1488.729	T500	43.42	85.5	87.51	86.51	87.6	0.002088	1.36	31.91	19.16	0.34
S1.1	1466.158	T500	43.42	85	87.39		87.54	0.00308	1.72	25.22	12.51	0.39
S1.1	1447.36	T500	43.42	84.5	86.78	86.72	87.38	0.020576	3.42	12.7	9.74	0.96
S1.1	1426.867	T500	43.42	84	86.21	86.21	86.92	0.022985	3.72	11.66	8.26	1
S1.1	1409.197	T500	43.42	83.5	84.22	84.74	86.01	0.130391	5.92	7.34	11.03	2.31
S1.1	1387.738	T500	43.42	83	85.11	84.51	85.25	0.004866	1.66	26.1	22.99	0.5
S1.1	1367.25	T500	43.42	82.5	85.1		85.17	0.002054	1.16	37.44	29.68	0.33
S1.1	1348.274	T500	43.42	82	85.08		85.13	0.001143	1	43.49	28.43	0.25
S1.1	1327.58	T500	43.42	82	85.08	83.38	85.11	0.000544	0.82	55.09	31.13	0.18
S1.1	1327		Culvert									
S1.1	1286.832	T500	43.42	80	80.99	81.65	83.31	0.129517	6.75	6.43	7.06	0.18
S1.1	1266.242	T500	43.42	79.6	82.2	81.3	82.29	0.002686	1.36	31.89	23.96	0.38
S1.1	1247.645	T500	43.42	79.2	82.14		82.24	0.003016	1.36	32.03	26.6	0.39
S1.1	1228.917	T500	43.42	78.8	81.43	81.43	82.06	0.025012	3.51	12.37	10.05	1.01

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	1209.619	T500	43.42	78.5	80.18	80.52	81.37	0.046055	4.84	8.97	7.4	1.4
S1.1	1187.813	T500	43.42	78	80.25	79.77	80.67	0.011132	2.87	15.11	8.76	0.7
S1.1	1167.643	T500	43.42	77.6	79.65	79.62	80.34	0.020718	3.67	11.83	8.11	0.97
S1.1	1146.751	T500	43.42	77.2	79.94		80.06	0.002404	1.53	28.43	14.37	0.35
S1.1	1127.474	T500	43.42	76.8	79.11	79.11	79.88	0.027541	3.9	11.14	7.26	1
S1.1	1107.99	T500	43.42	76.4	78.03	78.31	79.18	0.042974	4.75	9.13	5.93	1.22
S1.1	1068.374	T500	43.42	76	76.96	77.32	78.14	0.062331	4.81	9.03	10.44	1.65
S1.1	1047.719	T500	43.42	75.6	77.3	76.78	77.51	0.006067	2.03	21.35	15.8	0.56
S1.1	1028.876	T500	43.42	75.2	77.21		77.39	0.00579	1.86	23.38	18.69	0.53
S1.1	1006.535	T500	43.42	74.8	76.61	76.61	77.12	0.022901	3.19	13.62	13.17	1
S1.1	989.295	T500	43.42	74.2	75.3	75.65	76.46	0.059691	4.77	9.11	9.86	1.58
S1.1	969.07	T500	43.42	73.8	75.24	75.24	75.76	0.020861	3.21	13.53	12.91	1
S1.1	948.366	T500	43.42	73.4	74.45	74.6	75.19	0.034591	3.82	11.35	11.88	1.25
S1.1	929.601	T500	43.42	73	74.6	73.9	74.72	0.003172	1.53	28.45	20.03	0.41
S1.1	907.693	T500	43.42	72.6	74.57		74.65	0.00175	1.26	34.36	20.24	0.31
S1.1	886.95	T500	43.42	72.2	74	74	74.52	0.020718	3.2	13.57	12.98	1
S1.1	867.298	T500	43.42	71.98	73.1	73.34	73.91	0.046536	3.98	10.91	14.14	1.45
S1.1	846.604	T500	43.42	71.6	73.22	73.02	73.59	0.013357	2.7	16.07	13.61	0.79
S1.1	826.198	T500	43.42	71.2	72.67	72.67	73.23	0.021459	3.32	13.09	11.69	1
S1.1	806.232	T500	43.42	70.8	71.77	71.99	72.6	0.046012	4.04	10.74	12.81	1.41
S1.1	786.863	T500	43.42	70.4	71.34	71.4	71.83	0.026456	3.11	13.98	17.17	1.1
S1.1	767.309	T500	43.42	70	70.92	70.95	71.36	0.023929	2.93	14.82	18.48	1.04
S1.1	747.298	T500	43.42	69.5	70.48	70.52	70.94	0.025009	3	14.49	18.14	1.07
S1.1	726.893	T500	43.42	69	69.85	69.94	70.35	0.033092	3.14	13.83	19.97	1.2
S1.1	706.489	T500	43.42	68.5	69.28	69.33	69.69	0.028786	2.84	15.29	23.21	1.12
S1.1	685.787	T500	43.42	68	68.78	68.78	69.15	0.02334	2.7	16.08	22.3	1.02
S1.1	667.592	T500	43.42	67.5	68.31	68.33	68.72	0.024044	2.8	15.48	20.67	1.03
S1.1	646.258	T500	43.42	67	67.73	67.78	68.15	0.029136	2.87	15.12	22.7	1.12
S1.1	626.312	T500	43.42	66.5	67.3	67.23	67.6	0.017809	2.44	17.78	22.94	0.89
S1.1	607.072	T500	43.42	66	66.82	66.82	67.21	0.022651	2.76	15.73	20.48	1.01
S1.1	586.398	T500	43.42	65	65.58	65.82	66.37	0.078447	3.94	11.01	21.57	1.76
S1.1	565.938	T500	43.42	64.5	65.31	65.31	65.67	0.023001	2.66	16.34	22.96	1.01
S1.1	546.78	T500	43.42	64	64.68	64.76	65.13	0.033226	2.98	14.55	22.58	1.19
S1.1	525.745	T500	43.42	63.5	64.3	64.3	64.67	0.022877	2.68	16.21	22.45	1.01
S1.1	506.15	T500	43.42	63	63.85	63.87	64.19	0.025828	2.58	16.86	27.38	1.05
S1.1	487.032	T500	43.42	62.5	63.29	63.33	63.67	0.027516	2.74	15.85	24.48	1.09
S1.1	467.46	T500	43.42	62	62.94	62.72	63.12	0.009534	1.91	22.71	27.02	0.67
S1.1	446.873	T500	43.42	61.5	62.47	62.47	62.82	0.023332	2.61	16.65	24.45	1.01
S1.1	425.259	T500	43.42	61	61.85	61.9	62.26	0.028575	2.83	15.32	23.24	1.11
S1.1	406.005	T500	43.42	60	60.82	61.02	61.55	0.044692	3.76	11.54	15.66	1.4
S1.1	386.985	T500	43.42	59.5	60.41	60.43	60.86	0.023896	2.96	14.66	17.68	1.04
S1.1	367.457	T500	43.42	59	59.64	59.79	60.21	0.046962	3.35	12.96	22.07	1.4
S1.1	348.055	T500	43.42	58.5	59.48	59.42	59.78	0.018564	2.42	17.92	24.86	0.91
S1.1	325.374	T500	43.42	58	58.89	58.89	59.3	0.022172	2.85	15.21	18.48	1
S1.1	306.287	T500	43.42	57.5	58.17	58.3	58.73	0.041429	3.3	13.15	20.31	1.31

HEC-RAS Plan: P1 River: S1 Reach: S1.1 Profile: T500

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
S1.1	286.013	T500	43.42	57	57.8	57.8	58.19	0.022902	2.77	15.69	20.31	1.01
S1.1	266.381	T500	43.42	56.5	57.87	57.25	57.97	0.003082	1.41	30.72	24.03	0.4
S1.1	246.588	T500	43.42	56	57.35	57.35	57.81	0.02116	3	14.46	15.8	1
S1.1	225.712	T500	43.42	55.5	56.56	56.17	56.68	0.005077	1.56	27.86	27.74	0.5
S1.1	205.498	T500	43.42	55	56.13		56.49	0.014927	2.67	16.29	15.84	0.84
S1.1	185.956	T500	43.42	54.5	55.91		56.24	0.010848	2.53	17.19	14.17	0.73
S1.1	166.357	T500	43.42	54	55.31	55.31	55.91	0.022203	3.44	12.62	10.46	1
S1.1	147.131	T500	43.42	53.5	54.29	54.56	55.22	0.05902	4.28	10.16	13.69	1.58
S1.1	126.489	T500	43.42	53	54.63	53.95	54.74	0.003353	1.46	29.8	23.12	0.41
S1.1	106.652	T500	43.42	52.5	54.61		54.69	0.001586	1.23	35.37	19.18	0.29
S1.1	86.227	T500	43.42	52	54.25		54.6	0.008532	2.61	16.6	9.33	0.63
S1.1	66.283	T500	43.42	51.8	54.43	52.68	54.47	0.000735	0.95	45.53	19.02	0.2
S1.1	66		Culvert									
S1.1	46.283	T500	43.42	51.4	54.1		54.14	0.000656	0.92	47.02	18.04	0.18

3.5.4.3.- Arroyo Pachurraco

HEC-RAS Plan: P1 Profile: T500

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
P3	P3.1	1112.025	T500	14.04	106	106.35	106.5	106.82	0.096796	3.05	4.6	15.61	1.8
P3	P3.1	1094.637	T500	14.04	106	106.61	106.31	106.65	0.003037	0.83	16.98	30.37	0.35
P3	P3.1	1080.444	T500	14.04	106	106.55		106.6	0.004095	0.91	15.47	30.17	0.4
P3	P3.1	1063.54	T500	14.04	106	106.29	106.29	106.44	0.030756	1.67	8.39	29.73	1.01
P3	P3.1	1039.945	T500	14.04	104.67	105.24	105.43	105.82	0.115893	3.38	4.15	13.84	1.97
P3	P3.1	1026.774	T500	14.04	104	104.57	104.64	104.9	0.04106	2.53	5.54	12.98	1.24
P3	P3.1	1009.687	T500	14.04	103.8	104.4	104.3	104.55	0.014368	1.72	8.18	15.61	0.76
P3	P3.1	989.142	T500	14.04	103.4	103.94	103.94	104.15	0.027744	1.99	7.04	17.69	1.01
P3	P3.1	976.191	T500	14.04	103	103.4	103.46	103.69	0.045137	2.37	5.93	16.59	1.26
P3	P3.1	958.394	T500	14.04	102.5	102.98	102.98	103.2	0.026938	2.05	6.86	16.21	1
P3	P3.1	940.343	T500	14.04	102	102.49	102.49	102.71	0.026865	2.09	6.73	15.31	1.01
P3	P3.1	918.426	T500	14.04	100.57	101.19	101.37	101.78	0.069172	3.41	4.11	9.05	1.62
P3	P3.1	896.037	T500	14.04	100	100.53	100.57	100.83	0.032196	2.39	5.88	12.48	1.11
P3	P3.1	873.035	T500	14.04	98.5	99.04	99.24	99.69	0.077773	3.59	3.92	8.7	1.71
P3	P3.1	853.237	T500	14.04	98	98.68	98.68	98.94	0.025764	2.26	6.22	12.07	1
P3	P3.1	830.89	T500	14.04	96	96.37	96.69	97.58	0.210969	4.87	2.88	8.46	2.67
P3	P3.1	811.355	T500	14.04	95.5	96.06	96.06	96.33	0.026601	2.31	6.09	11.37	1.01
P3	P3.1	796.581	T500	14.04	95	95.38	95.48	95.76	0.058426	2.73	5.14	13.74	1.42
P3	P3.1	780.321	T500	14.04	94.5	95.19	95.19	95.41	0.026647	2.12	6.62	14.68	1.01
P3	P3.1	765.162	T500	14.04	94	94.34	94.46	94.75	0.078371	2.85	4.93	15.77	1.63
P3	P3.1	748.87	T500	14.04	93.5	94.22	93.99	94.32	0.007369	1.43	9.83	14.5	0.55
P3	P3.1	727.262	T500	14.04	93.09	93.79	93.79	94.04	0.026129	2.21	6.37	13.08	1.01
P3	P3.1	708.233	T500	14.04	92	92.42	92.63	93.12	0.10107	3.69	3.8	9.84	1.9
P3	P3.1	690.309	T500	14.04	91	91.58	91.46	91.71	0.012608	1.6	8.8	17.02	0.71
P3	P3.1	670.987	T500	14.04	90.39	91.16	91.16	91.36	0.027011	2	7.02	17.24	1
P3	P3.1	649.874	T500	14.04	90	90.36	90.41	90.61	0.048432	2.21	6.35	20.81	1.28
P3	P3.1	629.877	T500	14.04	89.5	89.83	89.83	89.98	0.029529	1.74	8.05	26.01	1
P3	P3.1	609.3	T500	14.04	88.48	89.18	89.09	89.31	0.015334	1.57	8.96	20.8	0.76
P3	P3.1	588.875	T500	14.04	88.3	88.93		89.02	0.012061	1.37	10.24	24.27	0.67
P3	P3.1	569.465	T500	14.04	88.1	88.56	88.53	88.71	0.021807	1.69	8.33	22.56	0.89
P3	P3.1	549.534	T500	14.04	87.8	88.07	88.06	88.19	0.03084	1.57	8.94	35.01	0.99
P3	P3.1	509.702	T500	14.04	87	87.43	87.43	87.59	0.029559	1.78	7.87	24.64	1.01
P3	P3.1	487.885	T500	14.04	86	86.37	86.46	86.69	0.059384	2.49	5.63	17.95	1.42
P3	P3.1	449.854	T500	14.04	85.04	85.35	85.41	85.57	0.064281	2.09	6.73	29.85	1.4
P3	P3.1	430.382	T500	14.04	84.5	84.97	84.87	85.05	0.012088	1.26	11.17	30.19	0.66
P3	P3.1	410.206	T500	14.04	84	84.49	84.49	84.69	0.026432	2	7.22	18.64	0.99
P3	P3.1	348.652	T500	14.04	83.13	83.55	83.64	83.82	0.071731	2.31	6.09	25.25	1.5
P3	P3.1	327.977	T500	14.04	82.48	82.95	82.95	83.09	0.030177	1.68	8.44	31.02	1
P3	P3.1	289.83	T500	14.04	81.5	81.68	81.79	82.03	0.140426	2.63	5.35	30.17	1.99
P3	P3.1	269.146	T500	14.04	81	81.45	81.27	81.5	0.006054	0.99	14.23	32.79	0.48
P3	P3.1	249.21	T500	14.04	80.8	81.4		81.42	0.002061	0.7	20.16	34.75	0.29

HEC-RAS Plan: P1 Profile: T500

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
P3	P3.1	228.431	T500	14.04	80.58	81.12	81.12	81.3	0.028534	1.9	7.41	20.59	1.01
P3	P3.1	208.319	T500	14.04	80	80.51	80.42	80.63	0.014443	1.52	9.26	21.53	0.74
P3	P3.1	188.661	T500	14.04	79.51	80.07	80.07	80.22	0.031034	1.73	8.1	27.43	1.02
P3	P3.1	171.198	T500	14.04	79	79.54	79.53	79.7	0.02583	1.79	7.83	22	0.96
P3	P3.1	149.345	T500	14.04	78.5	78.94	78.94	79.1	0.029205	1.81	7.74	23.44	1.01
P3	P3.1	129.12	T500	14.04	77.5	77.76	77.86	78.12	0.091664	2.66	5.27	20.98	1.7
P3	P3.1	108.505	T500	14.04	76.92	77.4	77.4	77.59	0.027981	1.95	7.21	18.92	1.01
P3	P3.1	89.861	T500	14.04	76	76.51	76.61	76.89	0.050612	2.72	5.16	12.73	1.36
P3	P3.1	70.075	T500	14.04	75	75.67	75.74	76.06	0.035372	2.76	5.09	9.08	1.17
P3	P3.1	54.287	T500	14.04	74.7	75.41	75.41	75.71	0.025093	2.44	5.74	9.55	1.01
P3	P3.1	36.237	T500	14.04	74.4	74.81	74.87	75.09	0.04864	2.34	5.99	18.31	1.3
P3	P3.1	18.962	T500	14.04	74	74.52	74.36	74.59	0.007996	1.14	12.34	28.58	0.55
P2	P2.1	870.556	T500	3.51	164.07	164.4	164.45	164.58	0.060044	1.89	1.86	9.05	1.33
P2	P2.1	849.202	T500	3.51	161.86	162.11	162.2	162.41	0.206113	2.42	1.45	12.35	2.25
P2	P2.1	829.695	T500	3.51	158.09	158.45	158.6	158.97	0.150646	3.21	1.09	4.74	2.13
P2	P2.1	810.241	T500	3.51	156	156.18	156.25	156.43	0.107629	2.23	1.57	9.2	1.72
P2	P2.1	789.007	T500	3.51	152.4	152.7	152.86	153.28	0.213311	3.36	1.04	5.5	2.47
P2	P2.1	769.528	T500	3.51	150	150.3	150.41	150.65	0.088567	2.62	1.34	5.24	1.66
P2	P2.1	749.234	T500	3.51	148	148.18	148.27	148.49	0.128979	2.47	1.42	8.14	1.89
P2	P2.1	729.07	T500	3.51	146	146.11	146.15	146.24	0.093377	1.57	2.24	20.15	1.5
P2	P2.1	710.477	T500	3.51	144	144.18	144.25	144.42	0.100913	2.17	1.62	9.39	1.67
P2	P2.1	689.532	T500	3.51	142	142.2	142.27	142.44	0.089173	2.15	1.63	8.75	1.59
P2	P2.1	669.676	T500	3.51	141	141.22	141.22	141.33	0.035963	1.48	2.37	11.24	1.03
P2	P2.1	650.157	T500	3.51	140	140.19	140.23	140.36	0.07188	1.86	1.89	10.84	1.42
P2	P2.1	630.461	T500	3.51	138	138.23	138.33	138.55	0.119589	2.51	1.4	7.45	1.85
P2	P2.1	610.722	T500	3.51	137.5	137.72	137.68	137.78	0.019165	1.06	3.3	16.16	0.75
P2	P2.1	589.939	T500	3.51	136.93	137.16	137.16	137.23	0.037265	1.23	2.86	18.59	1
P2	P2.1	571.495	T500	3.51	136	136.11	136.14	136.22	0.087279	1.49	2.35	21.56	1.45
P2	P2.1	553.965	T500	3.51	134	134.16	134.23	134.39	0.125597	2.14	1.64	11.53	1.81
P2	P2.1	532.925	T500	3.51	133.14	133.61	133.61	133.73	0.033139	1.51	2.32	10.12	1.01
P2	P2.1	510.902	T500	3.51	131.36	131.64	131.76	132.1	0.265017	3.01	1.17	8.6	2.61
P2	P2.1	489.711	T500	3.51	130	130.22	130.18	130.28	0.020946	1.12	3.13	15.06	0.79
P2	P2.1	470.32	T500	3.51	129.5	129.67	129.67	129.75	0.036724	1.27	2.75	16.73	1
P2	P2.1	450.022	T500	3.51	128	128.29	128.18	128.32	0.006775	0.75	4.68	17.79	0.47
P2	P2.1	430.465	T500	3.51	127.67	127.98	127.98	128.06	0.037763	1.24	2.84	18.52	1.01
P2	P2.1	411.383	T500	3.51	126	126.14	126.24	126.53	0.248014	2.79	1.26	9.89	2.5
P2	P2.1	390.18	T500	3.51	124.89	125.22	125.22	125.32	0.035676	1.39	2.53	13.32	1.01
P2	P2.1	373.003	T500	3.51	124	124.15	124.2	124.33	0.105395	1.92	1.83	13.25	1.65
P2	P2.1	356.616	T500	3.51	123	123.21	123.22	123.32	0.038982	1.45	2.42	12.66	1.06
P2	P2.1	337.201	T500	3.51	122	122.17	122.21	122.32	0.069669	1.74	2.01	12.38	1.38
P2	P2.1	316.575	T500	3.51	120	120.27	120.38	120.61	0.098546	2.57	1.36	5.99	1.72
P2	P2.1	294.393	T500	3.51	119	119.25	119.2	119.32	0.01756	1.14	3.08	12.56	0.74
P2	P2.1	273.933	T500	3.51	118.31	118.71	118.71	118.83	0.033209	1.54	2.28	9.64	1.01
P2	P2.1	261.265	T500	3.51	118	118.24	118.25	118.37	0.039249	1.61	2.18	9.79	1.09
P2	P2.1	243.652	T500	3.51	117.5	117.61	117.7	117.94	0.244706	2.53	1.39	12.51	2.42

HEC-RAS Plan: P1 Profile: T500

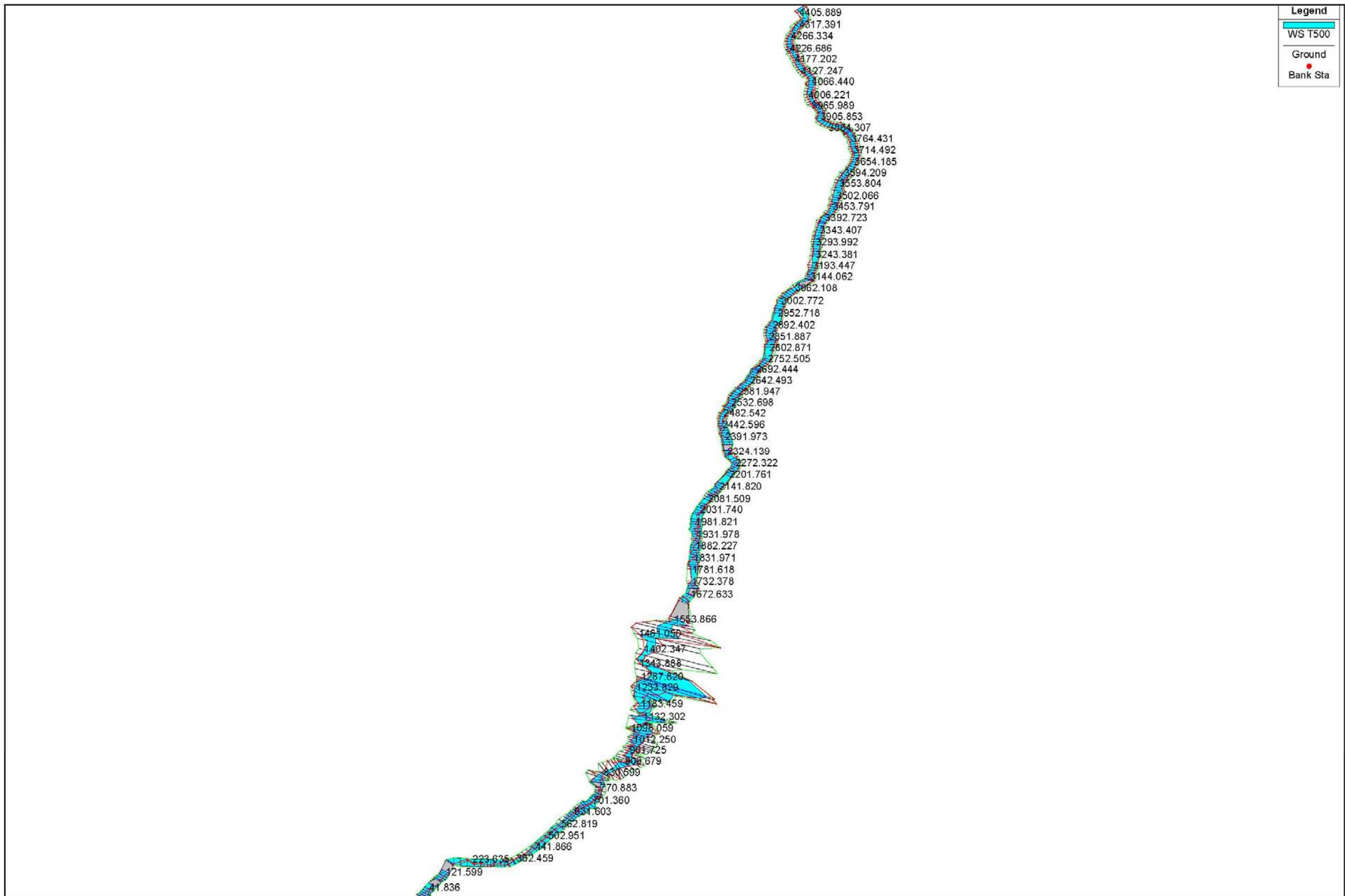
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
P2	P2.1	229.518	T500	3.51	117	117.18	117.18	117.27	0.03613	1.33	2.65	14.91	1
P2	P2.1	213.488	T500	3.51	116.5	116.59	116.65	116.78	0.17244	1.9	1.85	19.76	1.98
P2	P2.1	197.926	T500	3.51	116	116.27	116.27	116.38	0.033229	1.5	2.33	10.28	1.01
P2	P2.1	183.036	T500	3.51	114.83	115.03	115.13	115.37	0.197692	2.55	1.37	10.44	2.25
P2	P2.1	167.122	T500	3.51	114	114.17	114.15	114.23	0.024099	1.06	3.33	19.61	0.82
P2	P2.1	145.695	T500	3.51	113.5	113.68	113.66	113.73	0.022255	1	3.52	21.31	0.78
P2	P2.1	129.147	T500	3.51	113	113.18	113.18	113.27	0.036602	1.29	2.72	16.21	1.01
P2	P2.1	108.301	T500	3.51	112	112.14	112.17	112.26	0.066411	1.52	2.31	16.95	1.31
P2	P2.1	90.599	T500	3.51	111	111.17	111.14	111.22	0.021322	0.99	3.53	20.76	0.77
P2	P2.1	74.965	T500	3.51	110.5	110.71	110.71	110.8	0.035003	1.35	2.6	14.05	1
P2	P2.1	61.389	T500	3.51	110	110.21	110.22	110.32	0.035174	1.43	2.45	12.09	1.01
P2	P2.1	47.63	T500	3.51	109.5	109.69	109.7	109.8	0.041049	1.45	2.42	13.05	1.08
P2	P2.1	38.563	T500	3.51	109	109.16	109.2	109.31	0.069868	1.72	2.04	12.84	1.38
P2	P2.1	23.901	T500	3.51	108	108.47	108.48	108.63	0.033202	1.78	1.97	6.65	1.04
P1	P1.1	681.218	T500	3.51	156.96	157.29	157.37	157.57	0.080025	2.35	1.49	6.44	1.56
P1	P1.1	661.511	T500	3.51	154	154.18	154.35	154.85	0.280976	3.61	0.97	5.63	2.77
P1	P1.1	648.225	T500	3.51	152	152.34	152.46	152.75	0.095257	2.83	1.24	4.56	1.73
P1	P1.1	639.553	T500	3.51	151	151.12	151.22	151.48	0.242775	2.66	1.32	10.96	2.44
P1	P1.1	619.643	T500	3.51	148.66	149.17	149.24	149.43	0.055378	2.28	1.54	5.23	1.34
P1	P1.1	600.466	T500	3.51	146.87	147.16	147.3	147.63	0.18696	3.02	1.16	6.52	2.29
P1	P1.1	580.195	T500	3.51	144.75	145.06	145.12	145.29	0.074545	2.14	1.64	7.72	1.49
P1	P1.1	574.026	T500	3.51	144	144.15	144.26	144.54	0.214769	2.78	1.26	8.94	2.36
P1	P1.1	558.996	T500	3.51	142.87	143.28	143.29	143.4	0.037576	1.48	2.37	11.68	1.05
P1	P1.1	539.055	T500	3.51	140.93	141.26	141.43	141.85	0.220014	3.4	1.03	5.51	2.5
P1	P1.1	524.705	T500	3.51	138.97	139.29	139.39	139.61	0.10914	2.51	1.4	6.96	1.79
P1	P1.1	514.714	T500	3.51	138	138.21	138.3	138.51	0.110194	2.42	1.45	7.66	1.77
P1	P1.1	497.301	T500	3.51	136	136.24	136.35	136.58	0.110936	2.56	1.37	6.66	1.8
P1	P1.1	477.506	T500	3.51	134	134.18	134.26	134.43	0.103312	2.2	1.59	9.25	1.69
P1	P1.1	462.528	T500	3.51	132.44	132.8	132.88	133.06	0.081246	2.26	1.56	7.26	1.56
P1	P1.1	455.169	T500	3.51	132	132.22	132.29	132.46	0.081963	2.16	1.62	8.1	1.54
P1	P1.1	435.892	T500	3.51	130.93	131.32	131.32	131.45	0.034504	1.59	2.2	9.11	1.03
P1	P1.1	416.365	T500	3.51	130	130.14	130.2	130.33	0.110334	1.94	1.81	13.3	1.68
P1	P1.1	401.974	T500	3.51	129.65	129.93	129.93	130.01	0.039623	1.2	2.92	20.57	1.02
P1	P1.1	385.668	T500	3.51	128.5	128.67	128.75	128.93	0.12444	2.24	1.56	10.19	1.83
P1	P1.1	375.867	T500	3.51	128	128.21	128.28	128.46	0.090089	2.23	1.58	8.1	1.61
P1	P1.1	359.802	T500	3.51	126	126.24	126.37	126.67	0.137304	2.91	1.21	5.66	2.01
P1	P1.1	342.094	T500	3.51	124.59	125.02	125.06	125.2	0.051158	1.88	1.86	8.07	1.25
P1	P1.1	319.748	T500	3.51	124	124.26	124.26	124.39	0.032469	1.56	2.24	9.06	1
P1	P1.1	301.981	T500	3.51	122.28	122.62	122.79	123.19	0.19042	3.33	1.05	5.17	2.36
P1	P1.1	276.675	T500	3.51	121.5	121.7	121.7	121.79	0.035562	1.34	2.62	14.48	1
P1	P1.1	258.003	T500	3.51	120.5	120.63	120.67	120.78	0.091188	1.7	2.07	16.21	1.52
P1	P1.1	238.621	T500	3.51	119.7	120.14	120.14	120.22	0.036352	1.26	2.79	17.11	1
P1	P1.1	219.535	T500	3.51	118	118.15	118.28	118.66	0.290474	3.17	1.11	8	2.72
P1	P1.1	200.275	T500	3.51	117	117.21	117.21	117.31	0.034621	1.4	2.5	12.59	1.01
P1	P1.1	179.626	T500	3.51	116	116.15	116.18	116.29	0.076413	1.66	2.11	14.99	1.41

HEC-RAS Plan: P1 Profile: T500

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
P1	P1.1	158.202	T500	3.51	114.02	114.43	114.51	114.7	0.070141	2.33	1.5	5.95	1.48
P1	P1.1	139.164	T500	3.51	113	113.14	113.17	113.27	0.076221	1.61	2.18	16.13	1.4
P1	P1.1	125.124	T500	3.51	112.25	112.74	112.68	112.81	0.016018	1.2	2.93	10.42	0.72
P1	P1.1	101.29	T500	3.51	112	112.18	112.18	112.26	0.036267	1.3	2.7	15.89	1
P1	P1.1	80.273	T500	3.51	111	111.12	111.14	111.22	0.072018	1.41	2.49	21.49	1.33
P1	P1.1	59.603	T500	3.51	110	110.12	110.21	110.44	0.235813	2.51	1.4	12.41	2.39
P1	P1.1	38.586	T500	3.51	109.02	109.47	109.47	109.59	0.033493	1.53	2.3	9.94	1.01

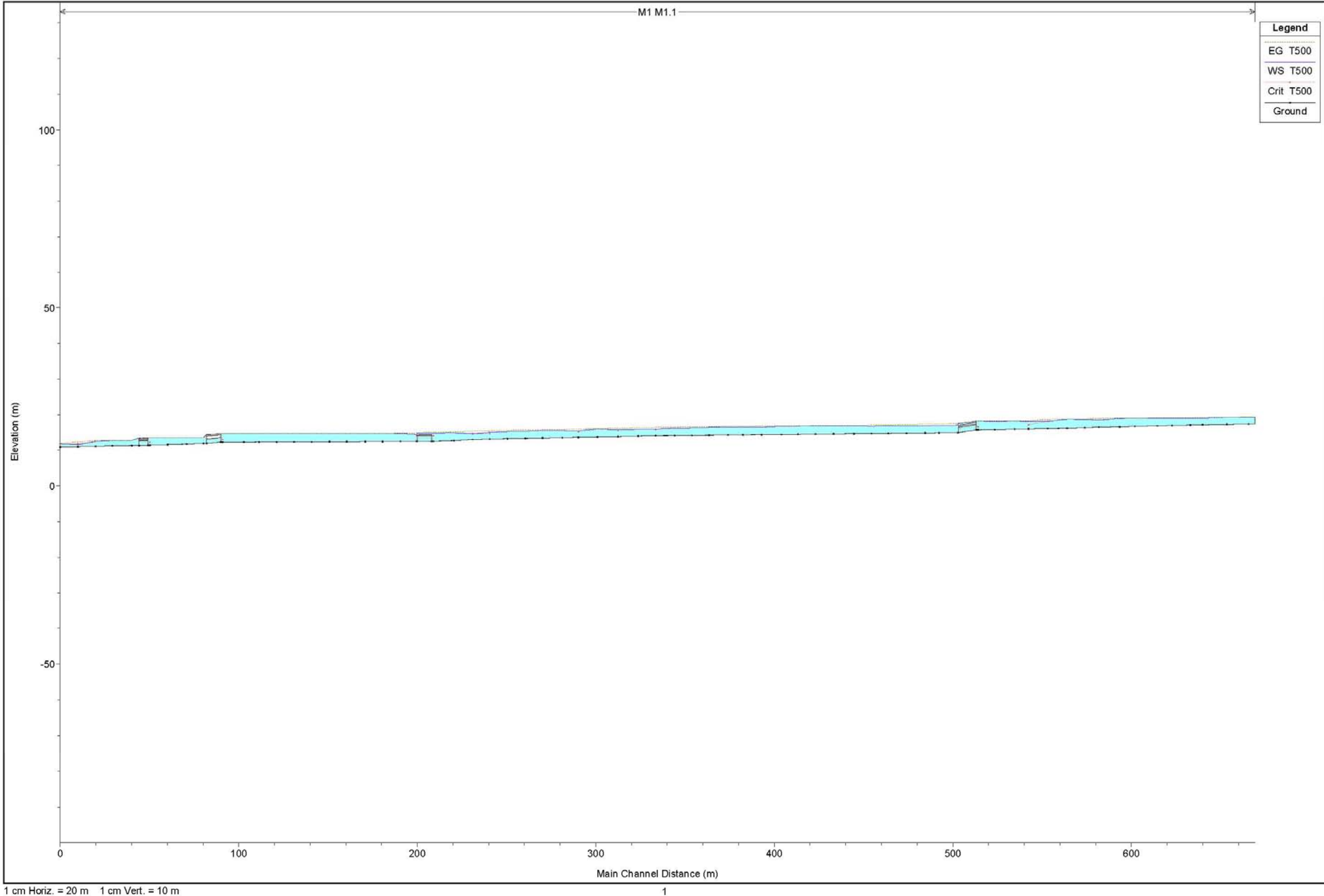
- 3.6.- Cuenca 2. Arroyo Merino. T=500 años
 - 3.6.1.- Vista 3D arroyo
 - 3.6.2.- Perfil longitudinal
 - 3.6.3.- Perfiles transversales
 - 3.6.4.- Tablas de resultados

3.6.1.- Vista 3D arroyo

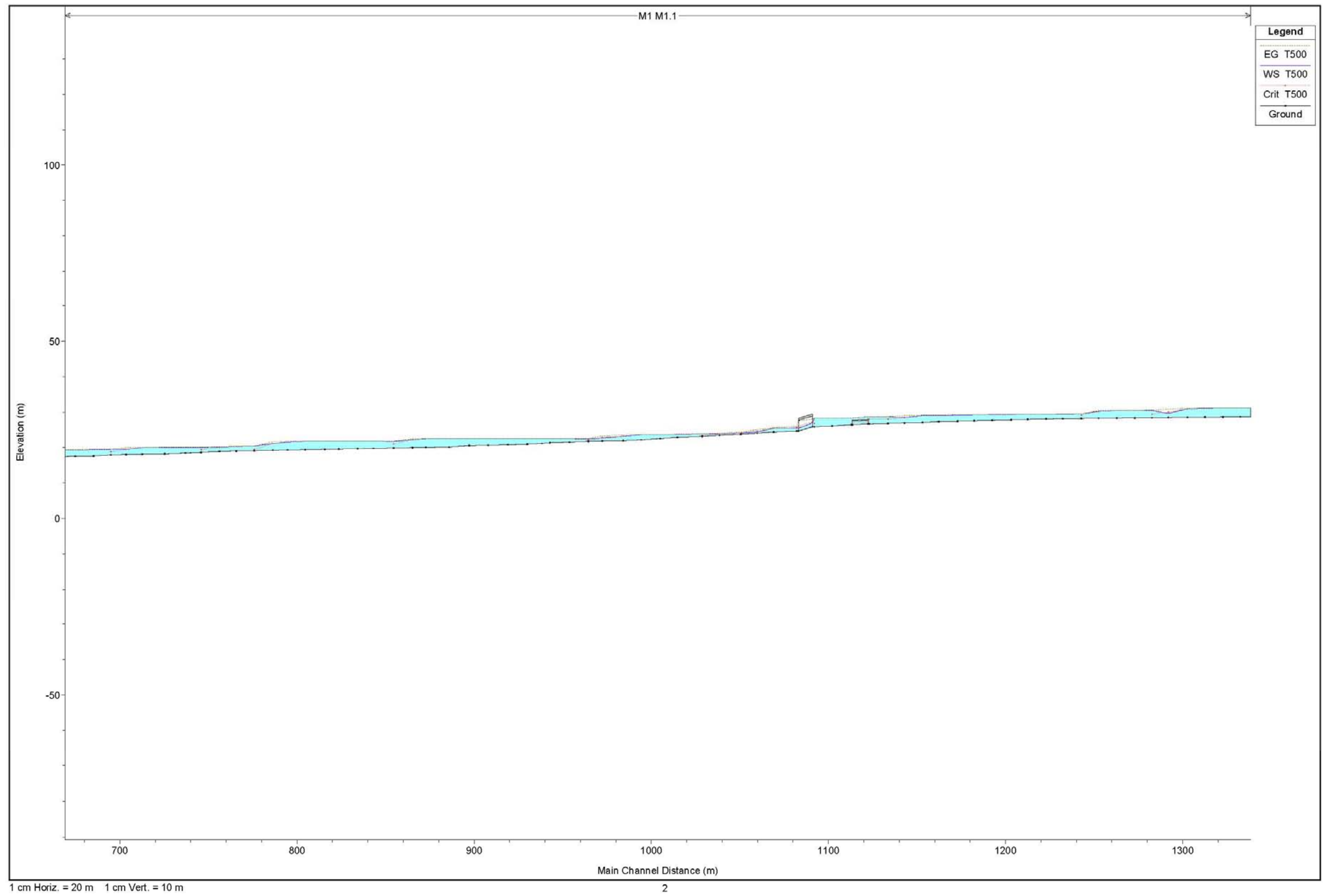


DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

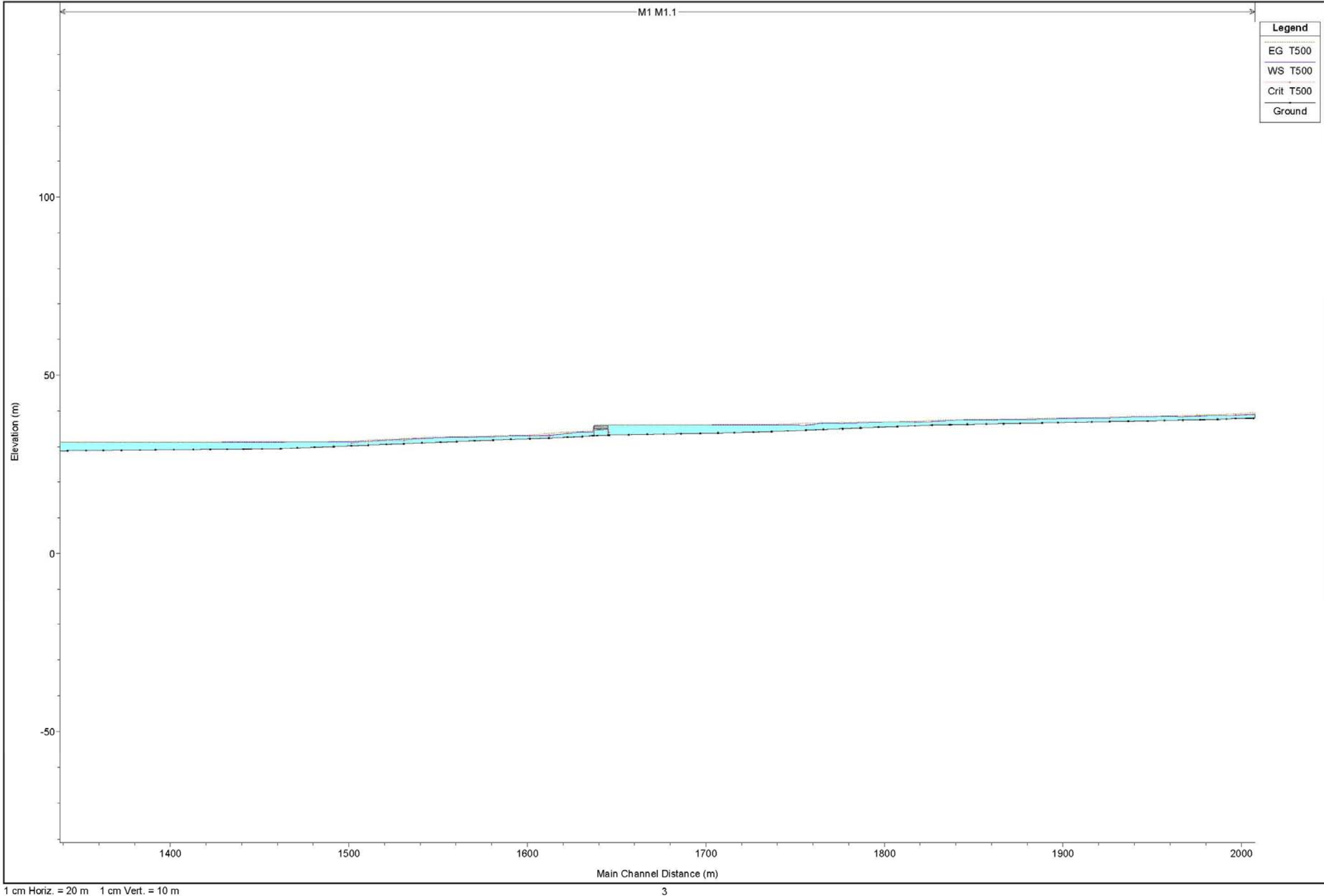
3.6.2.- Perfil longitudinal



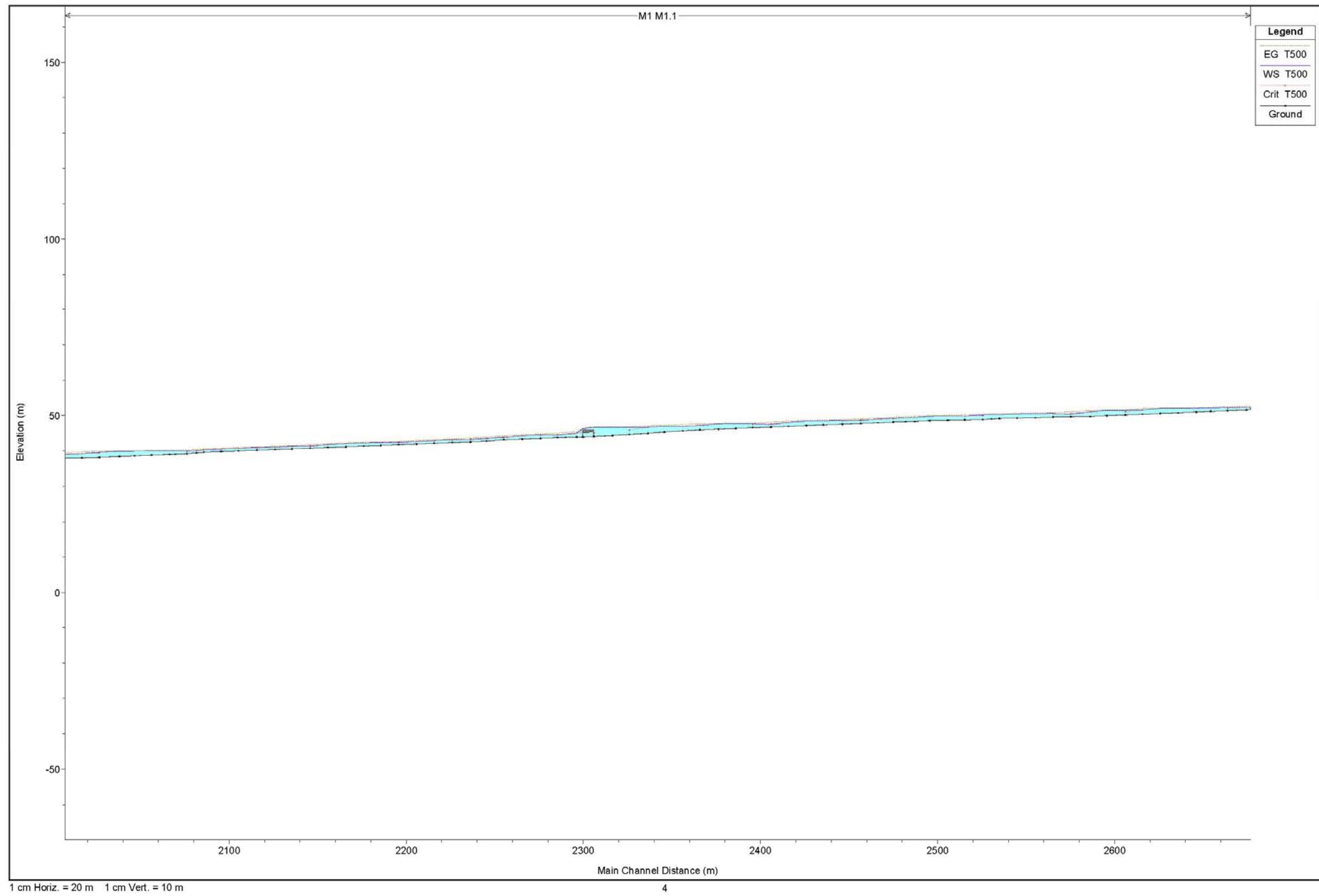
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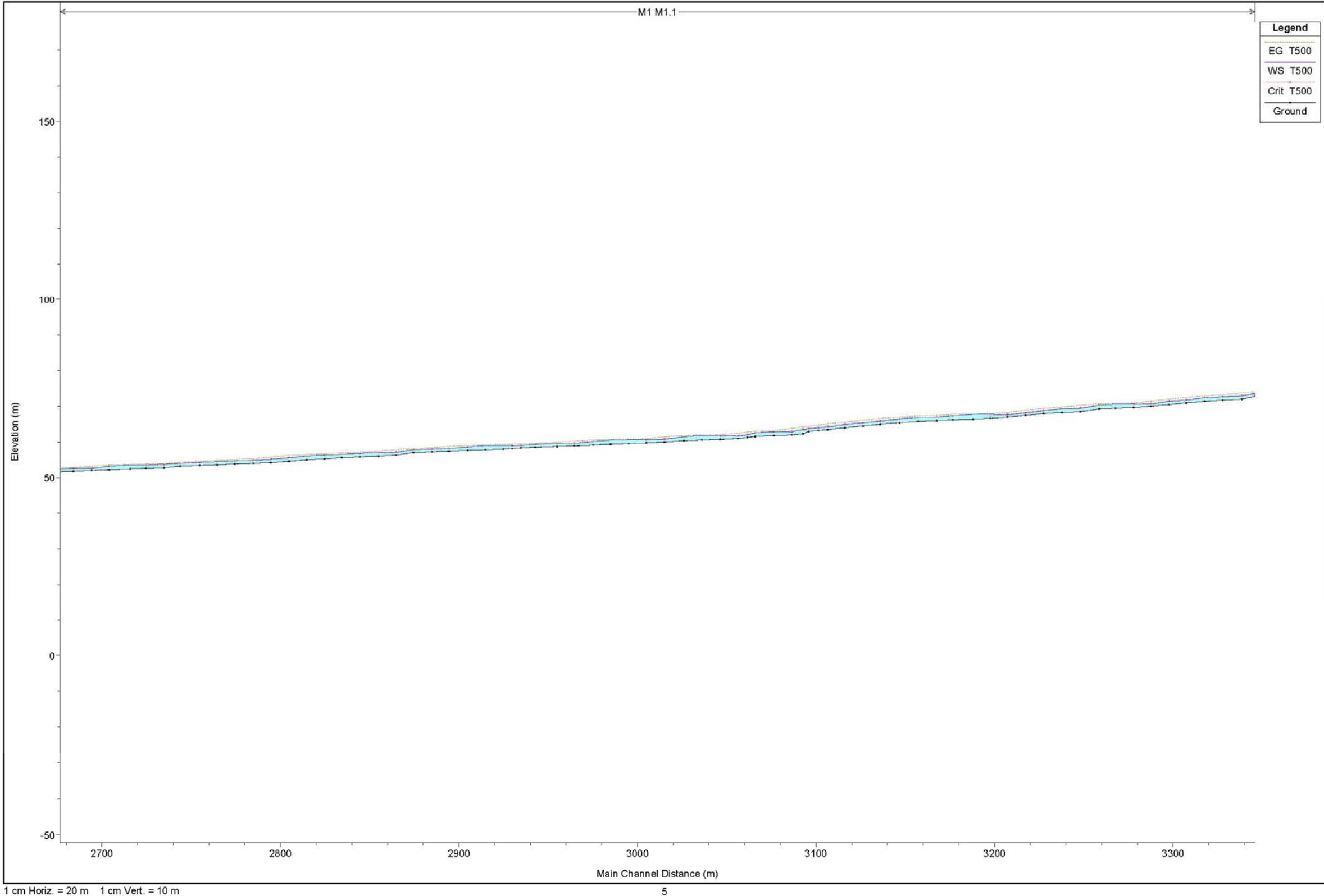


DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

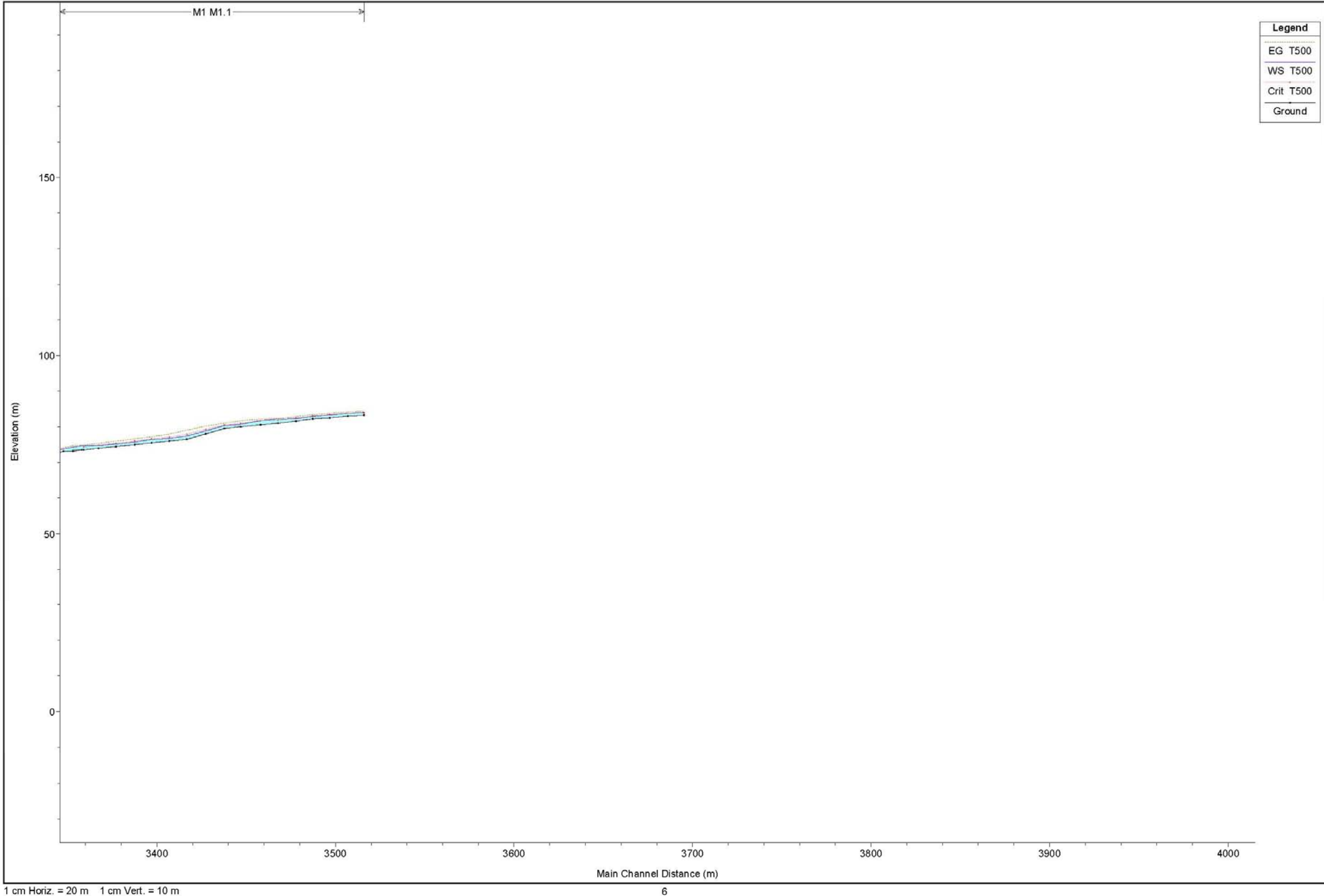


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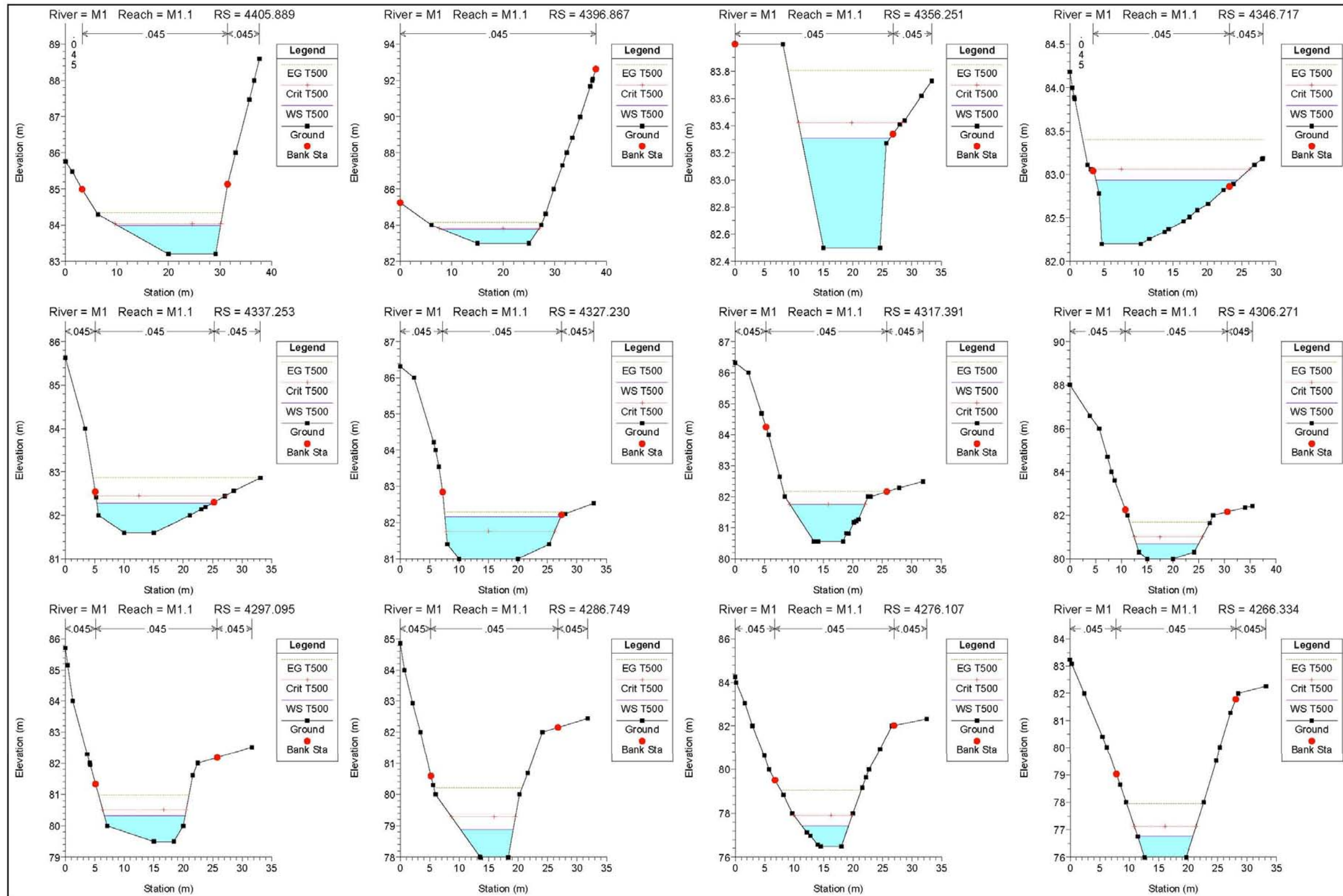


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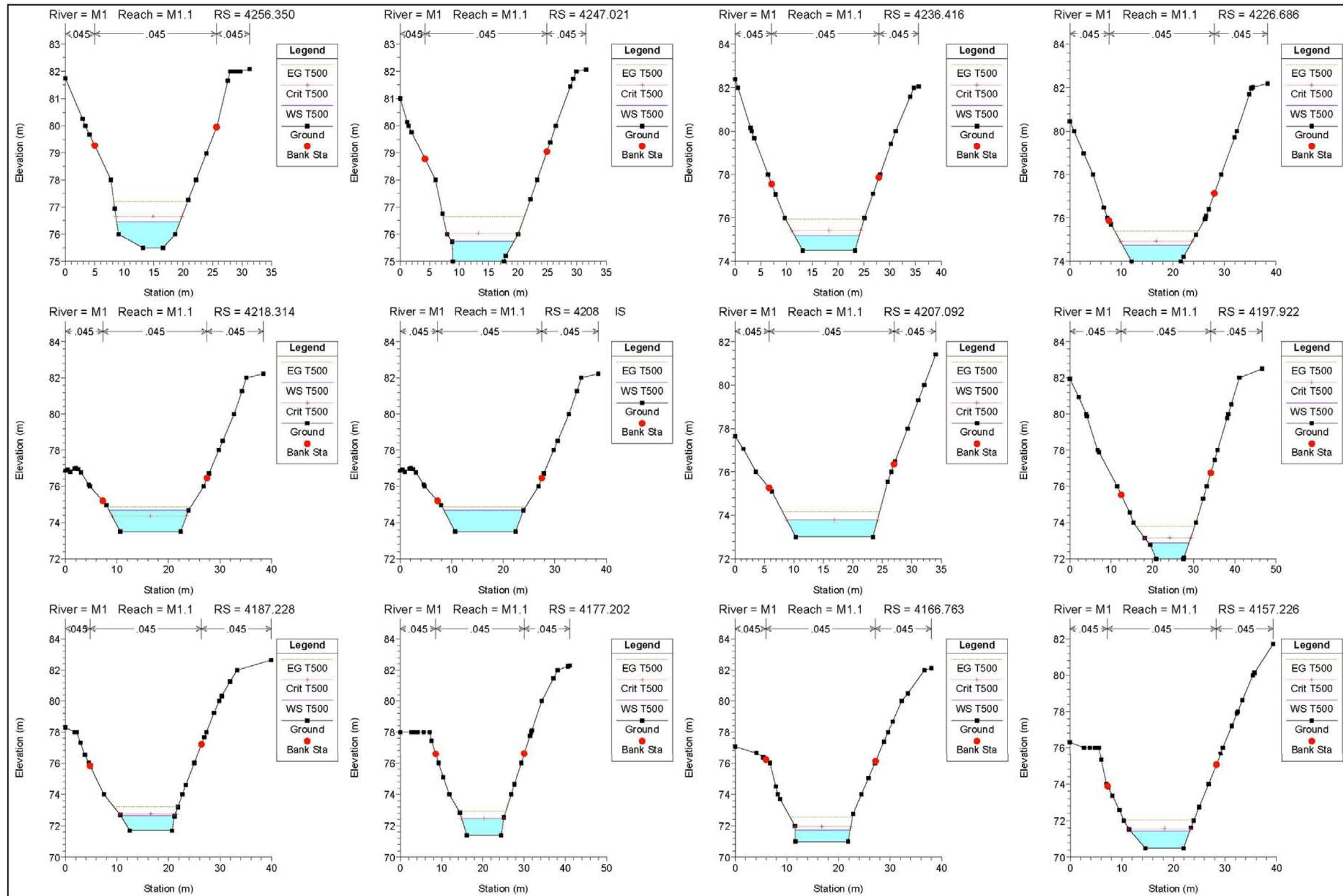


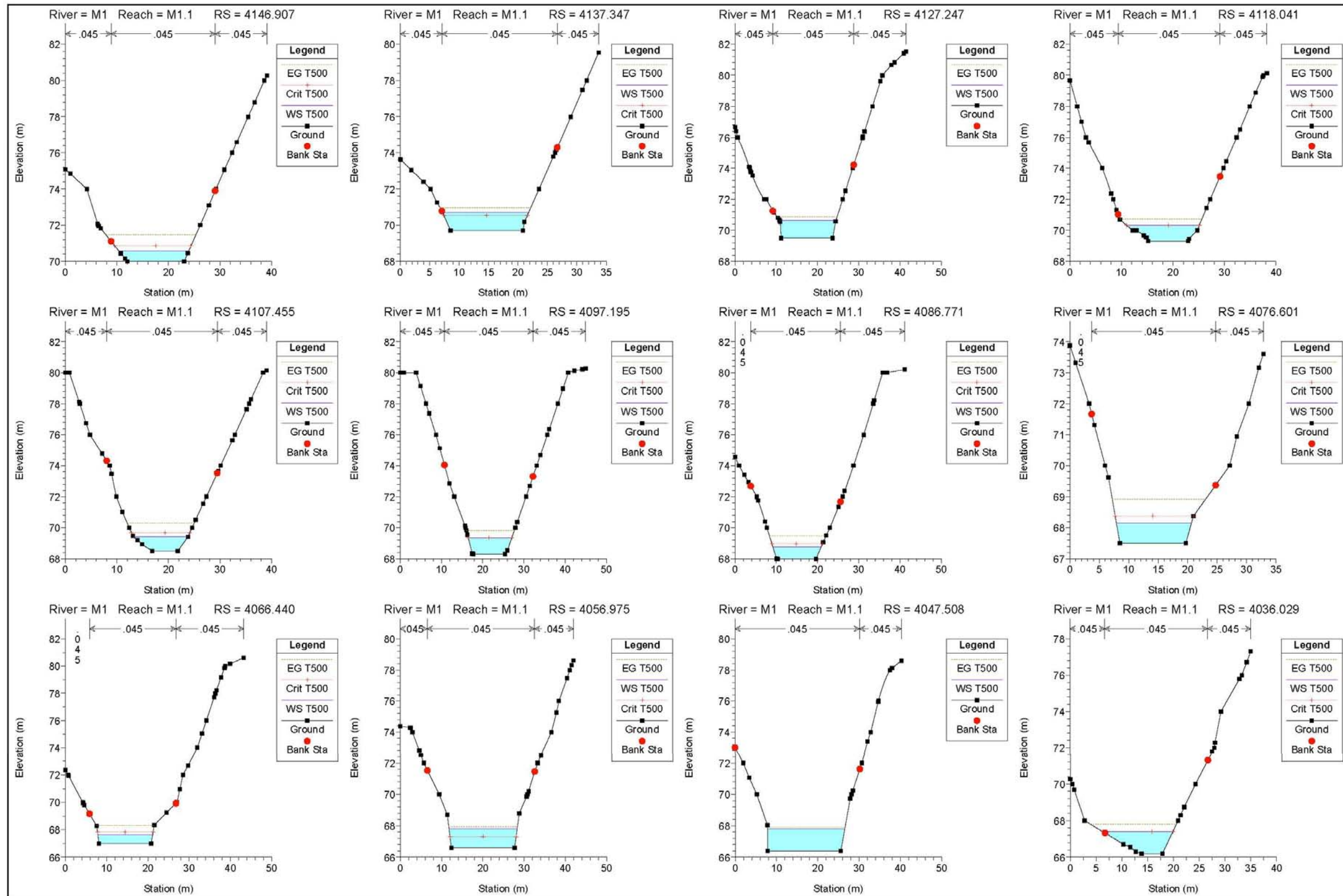
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3.6.3.- Perfiles transversales

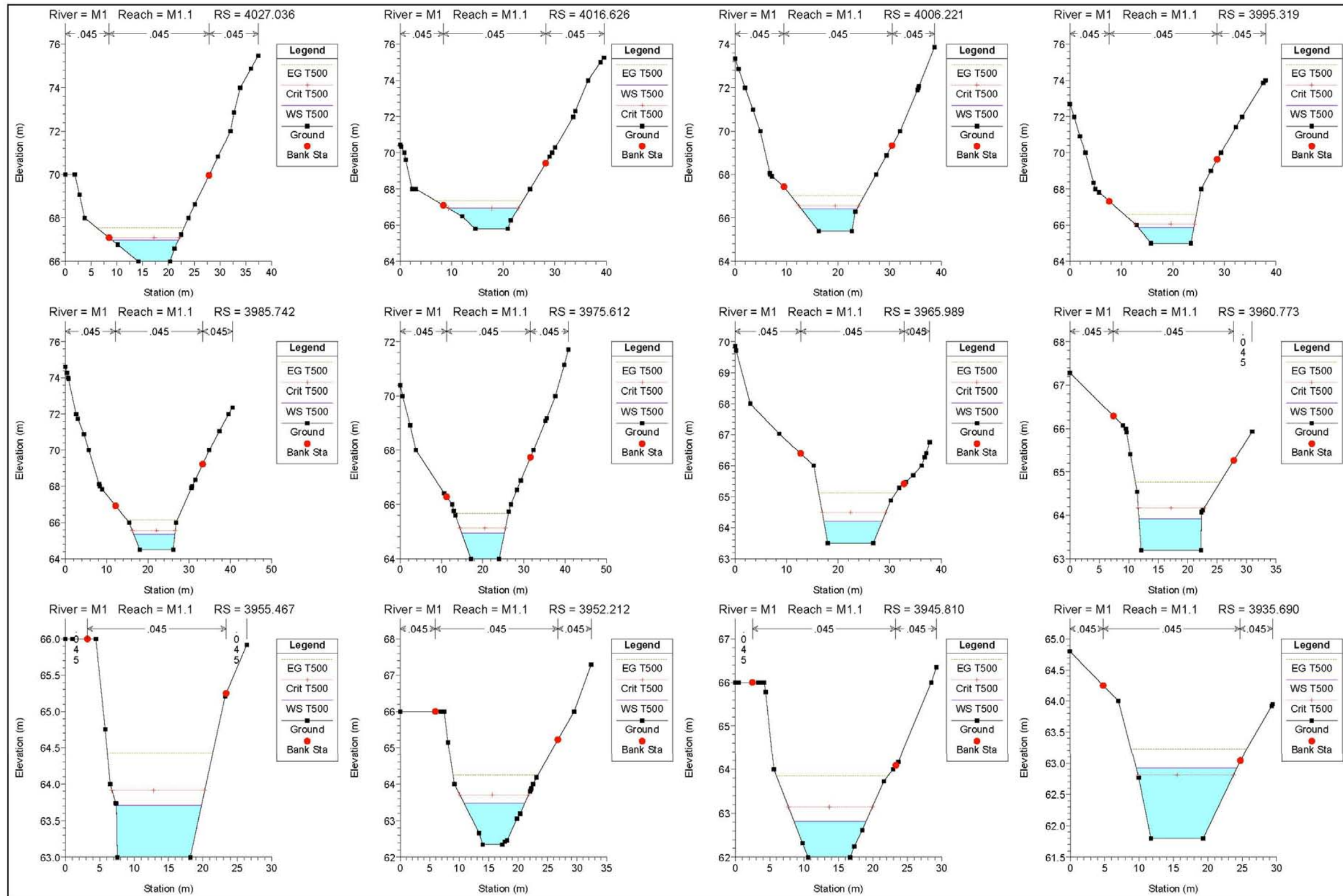


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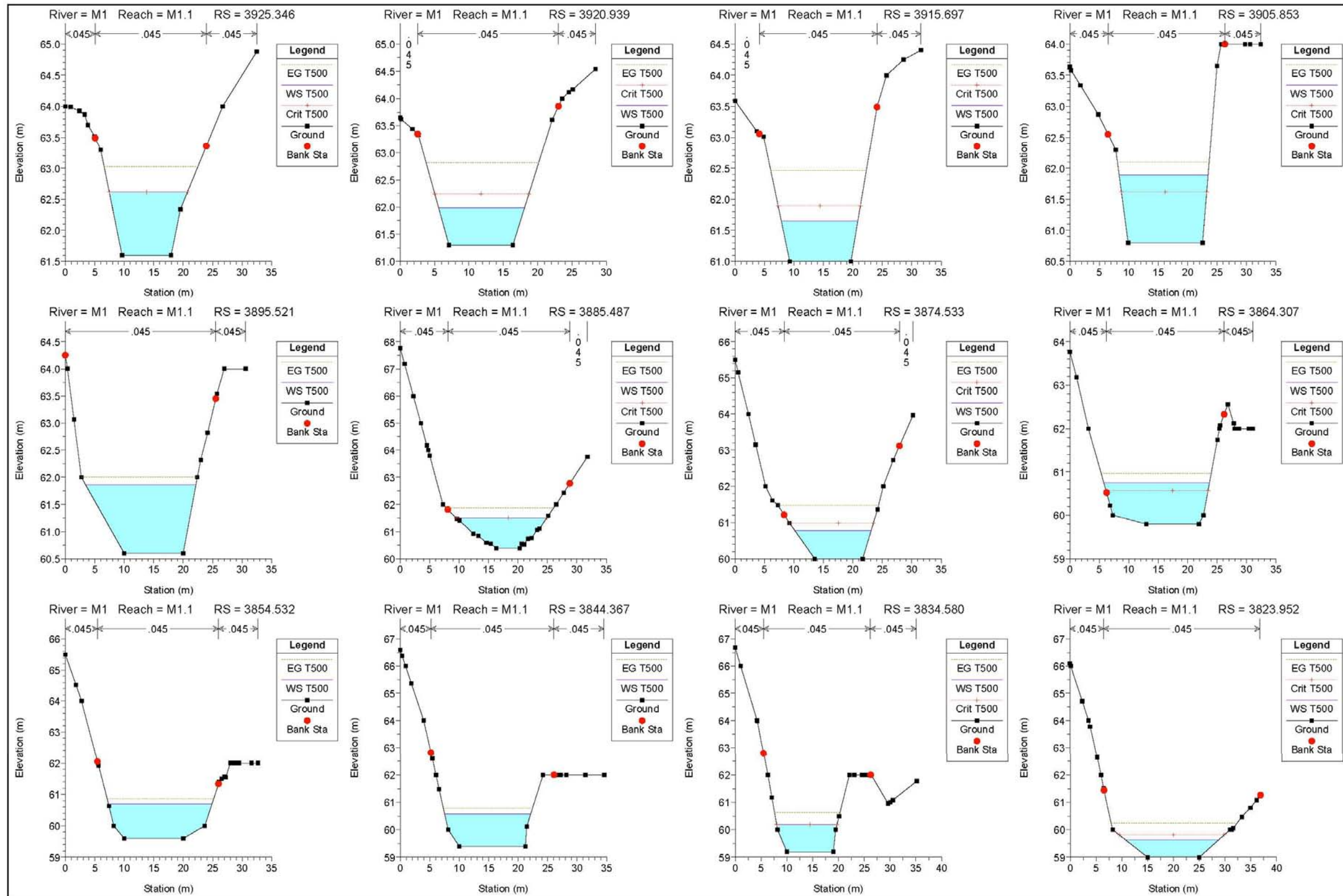


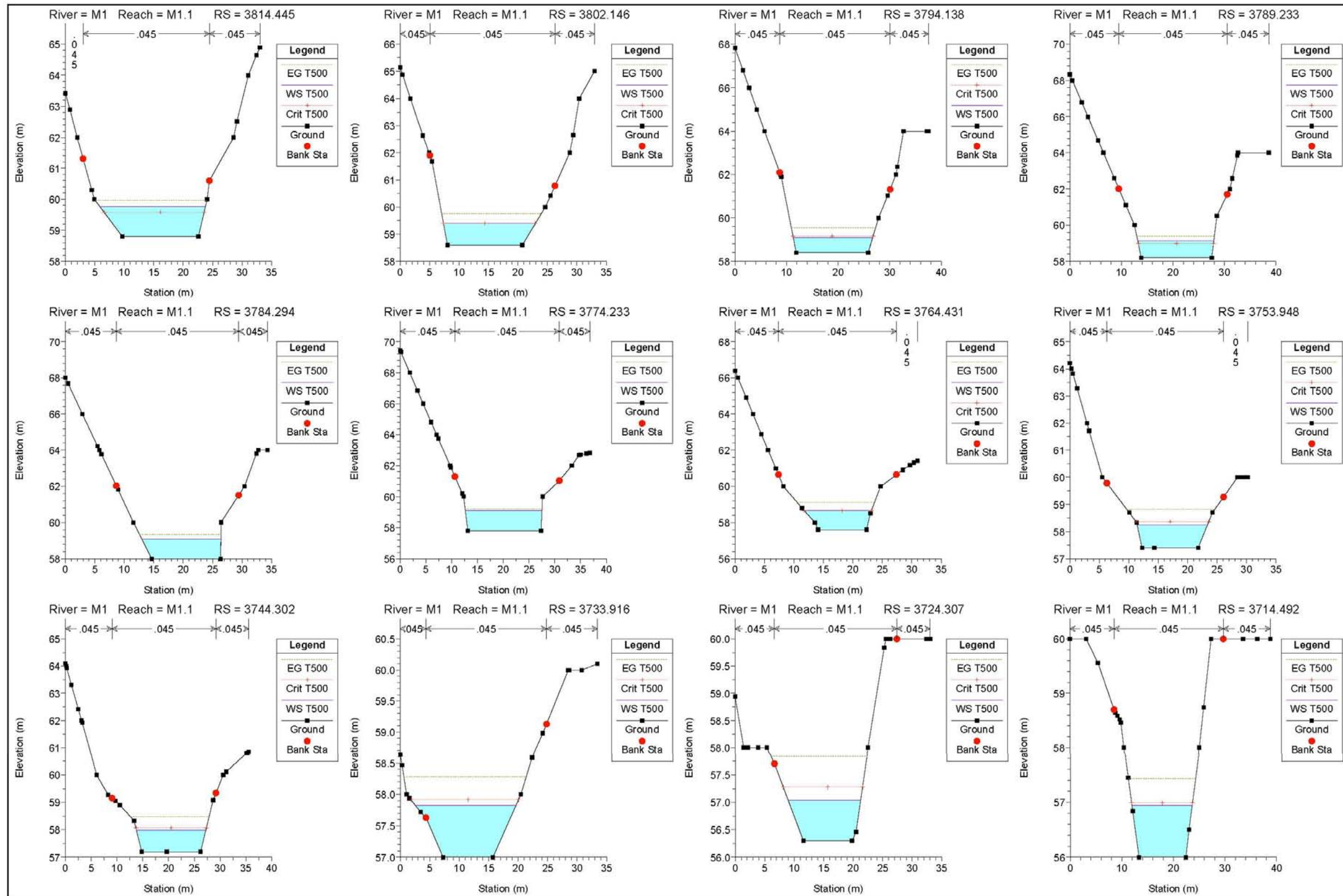


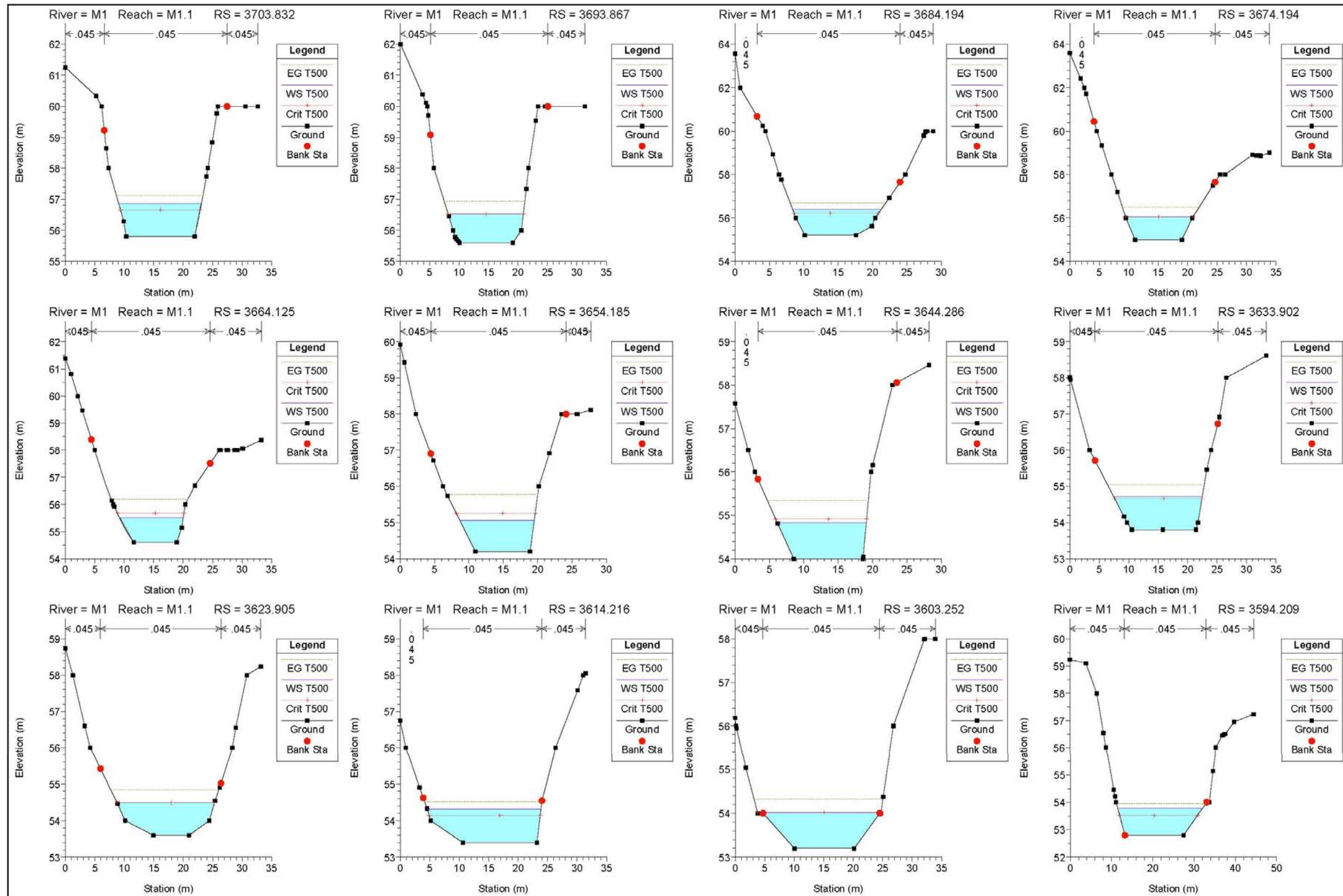
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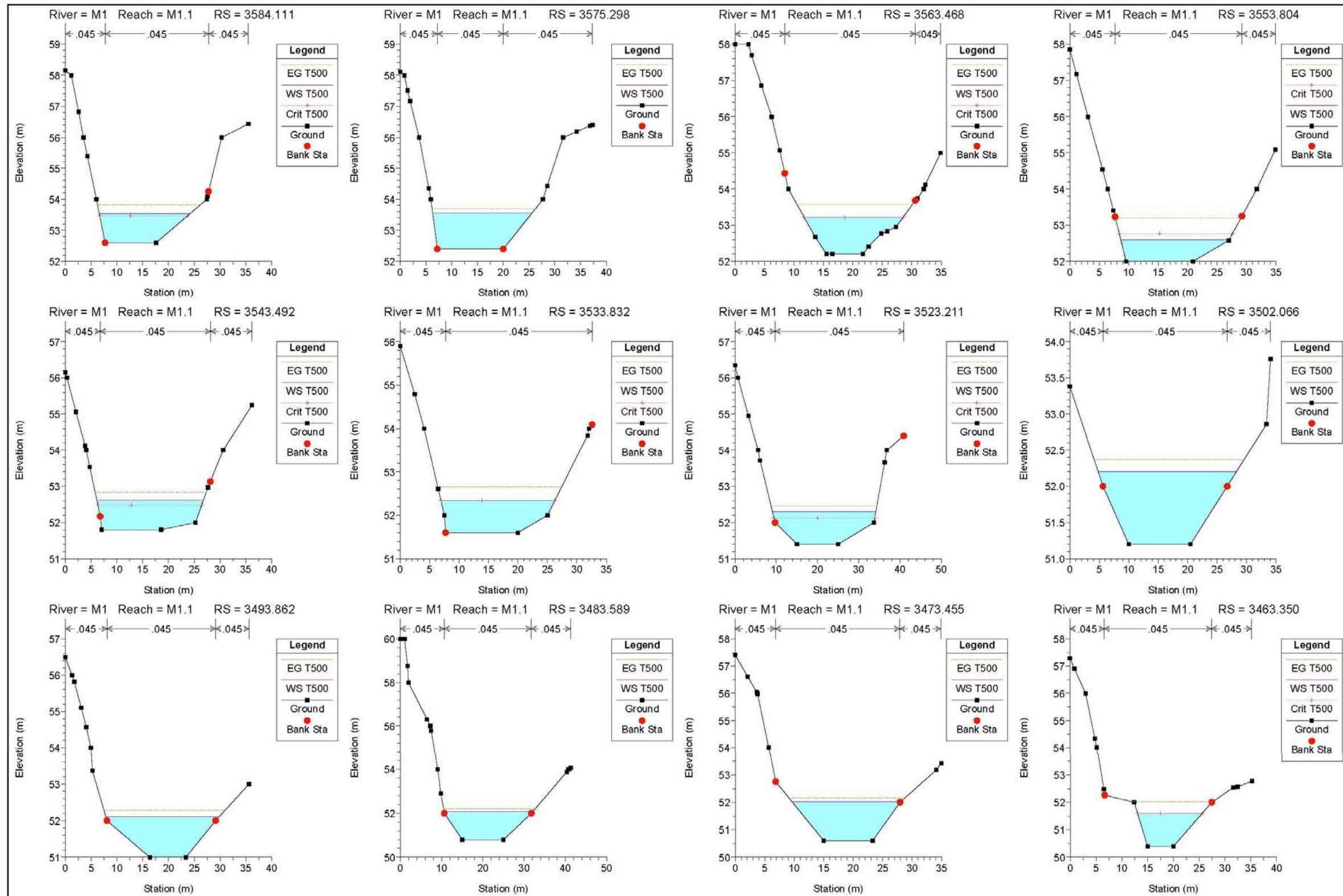
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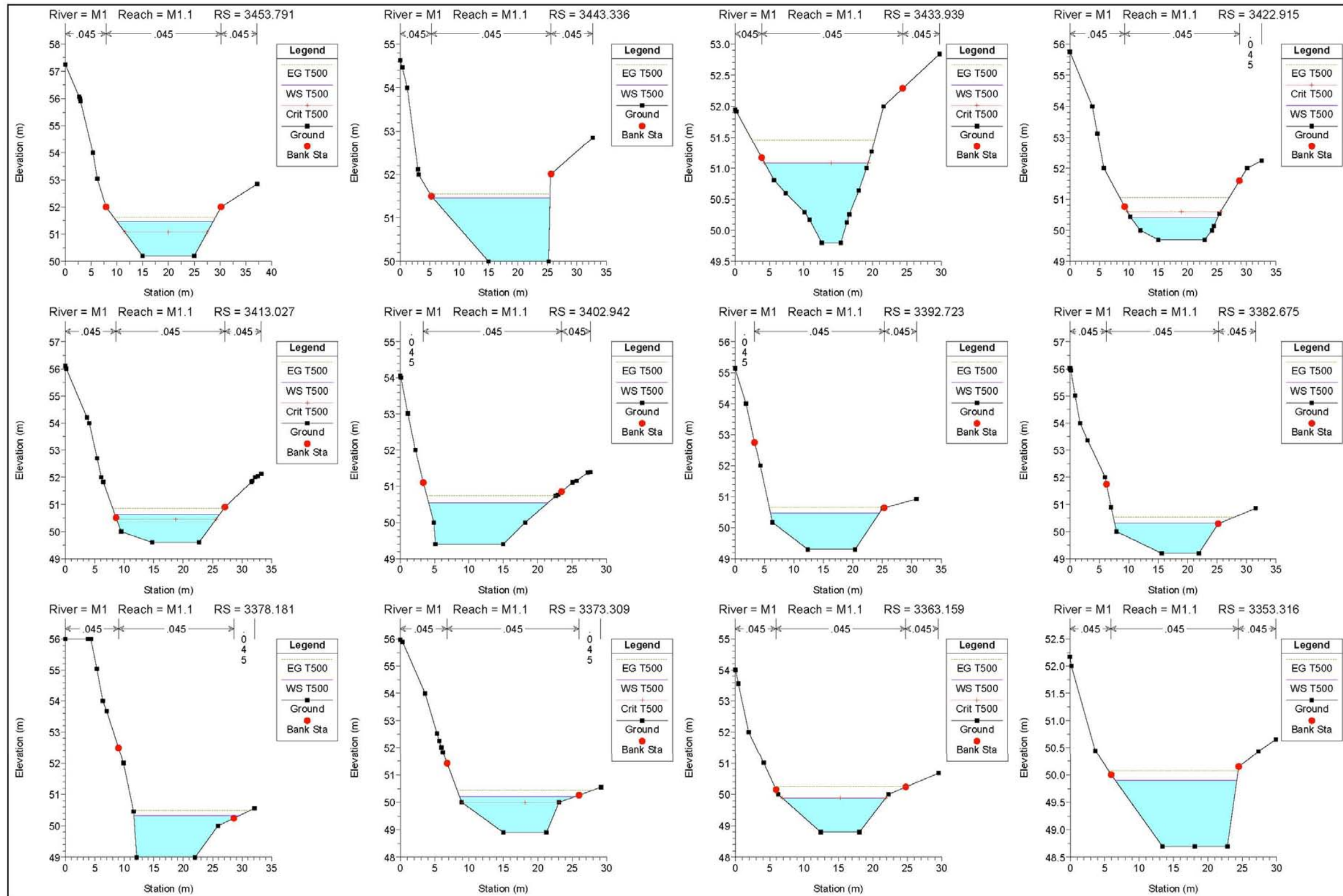


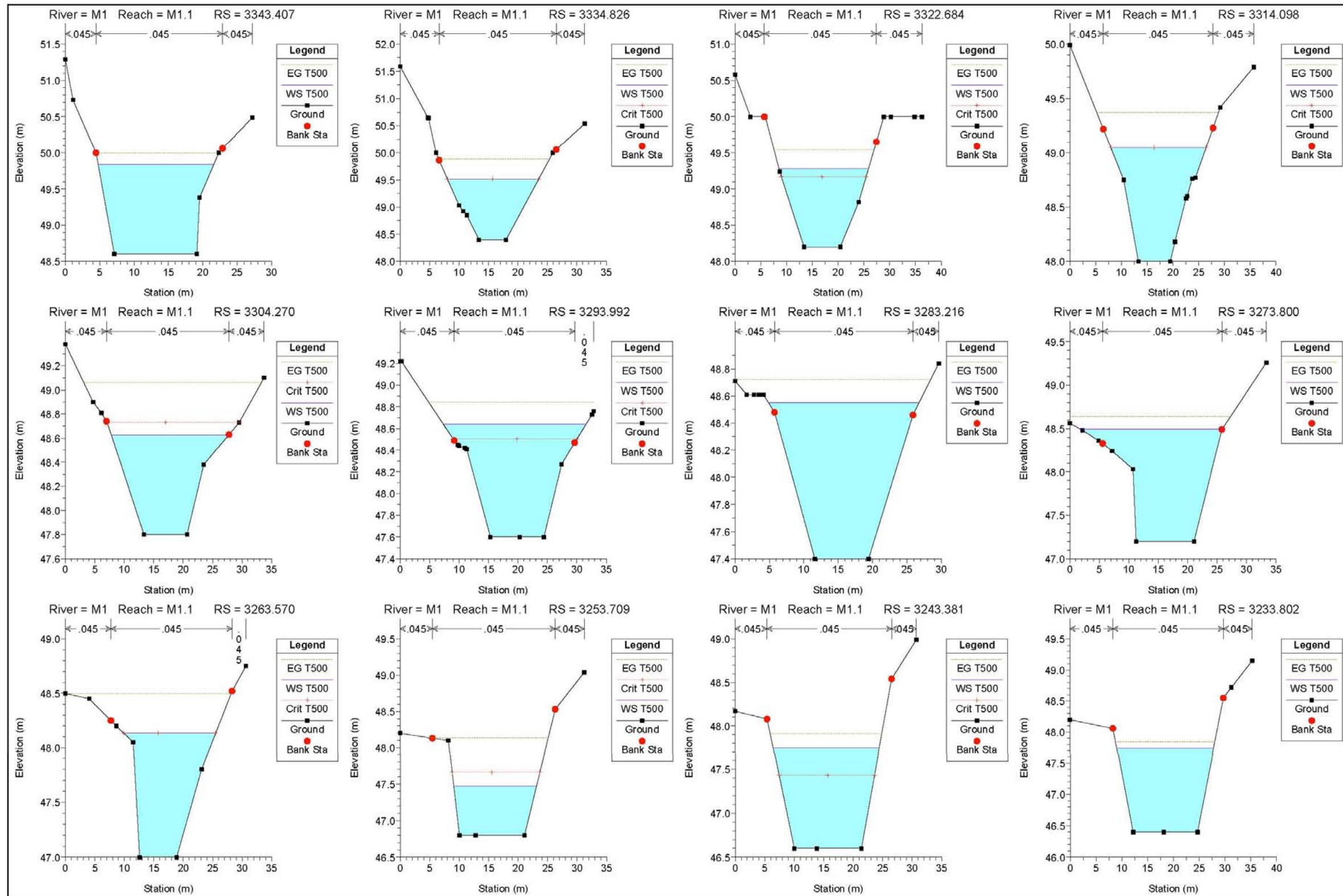




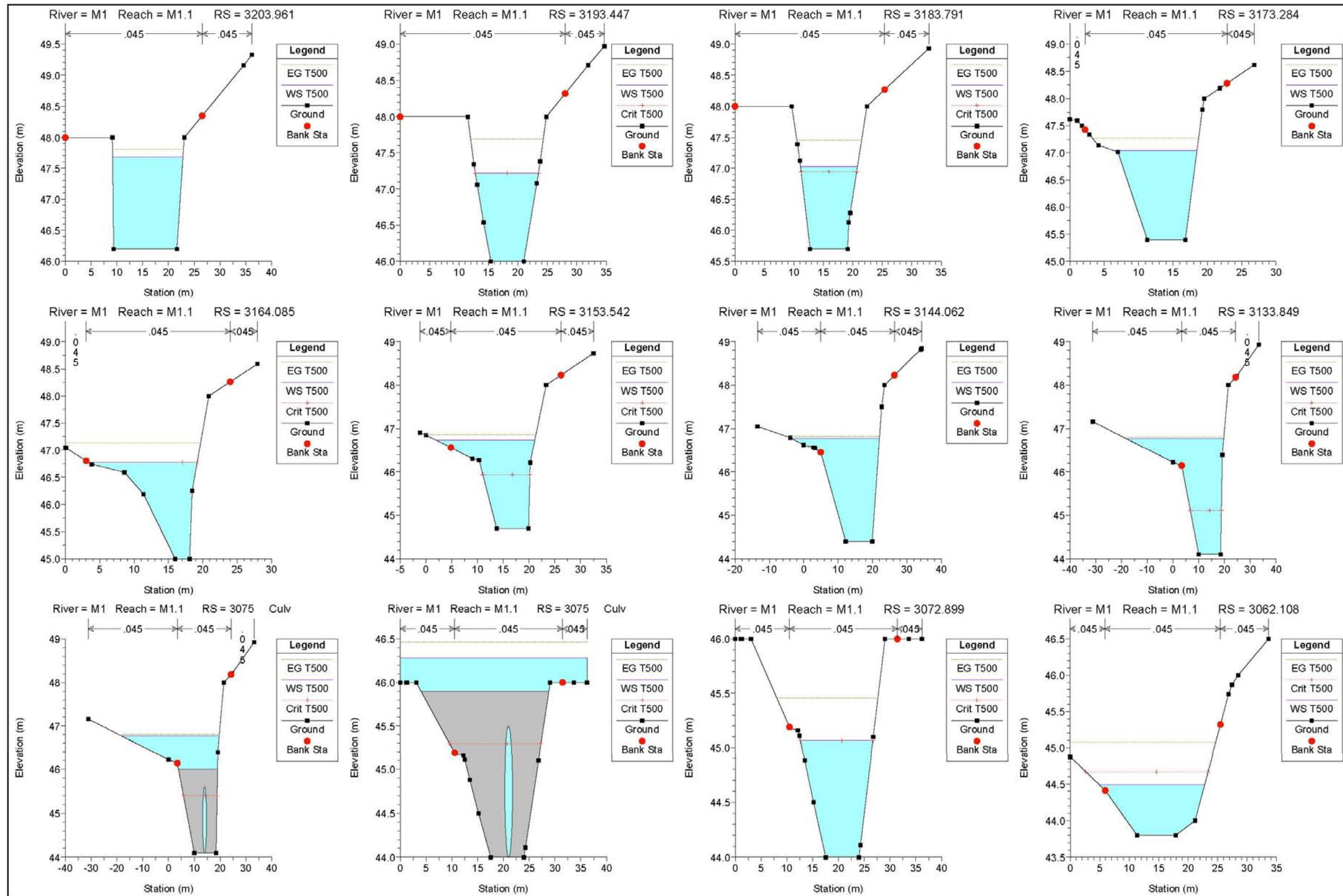
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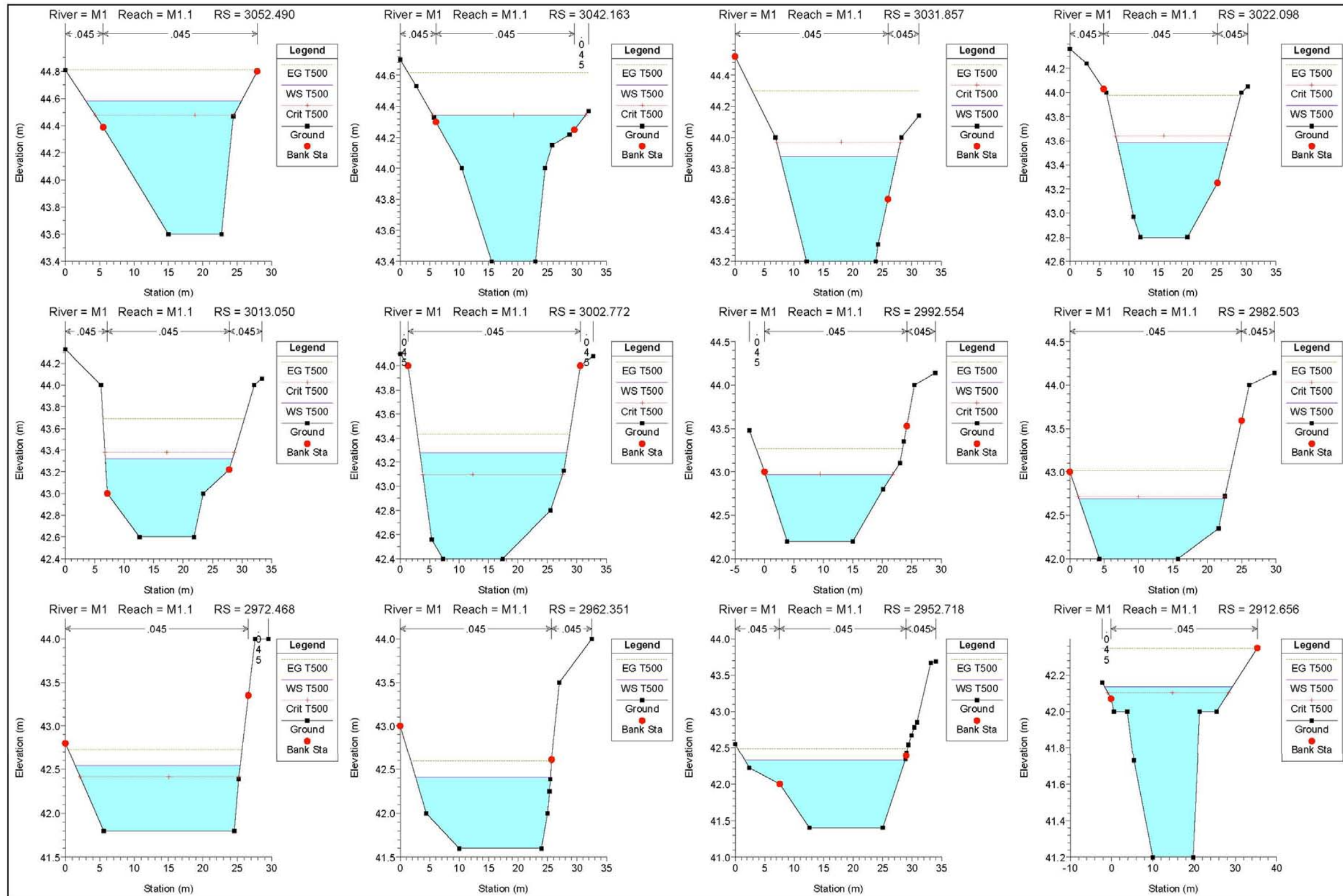




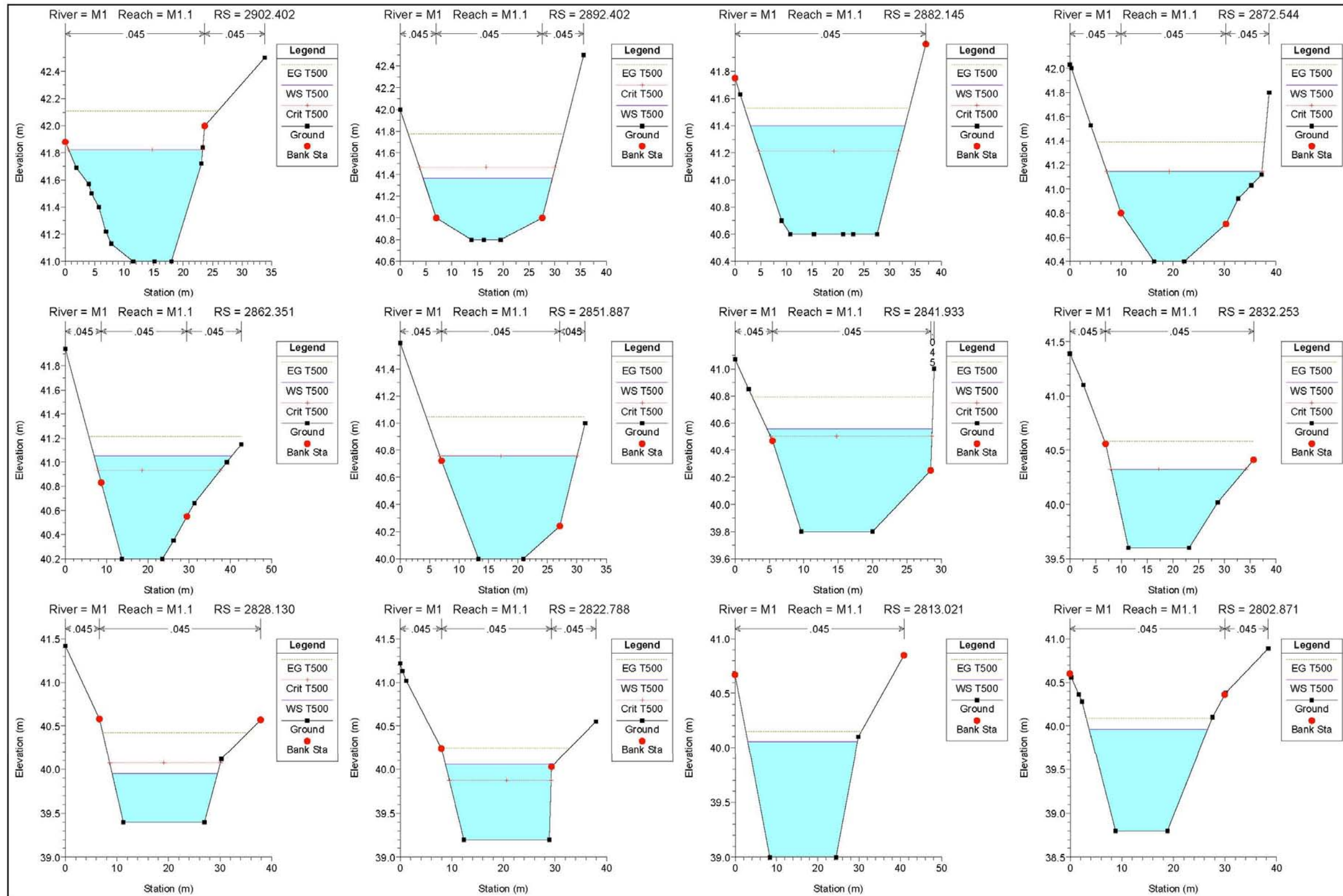
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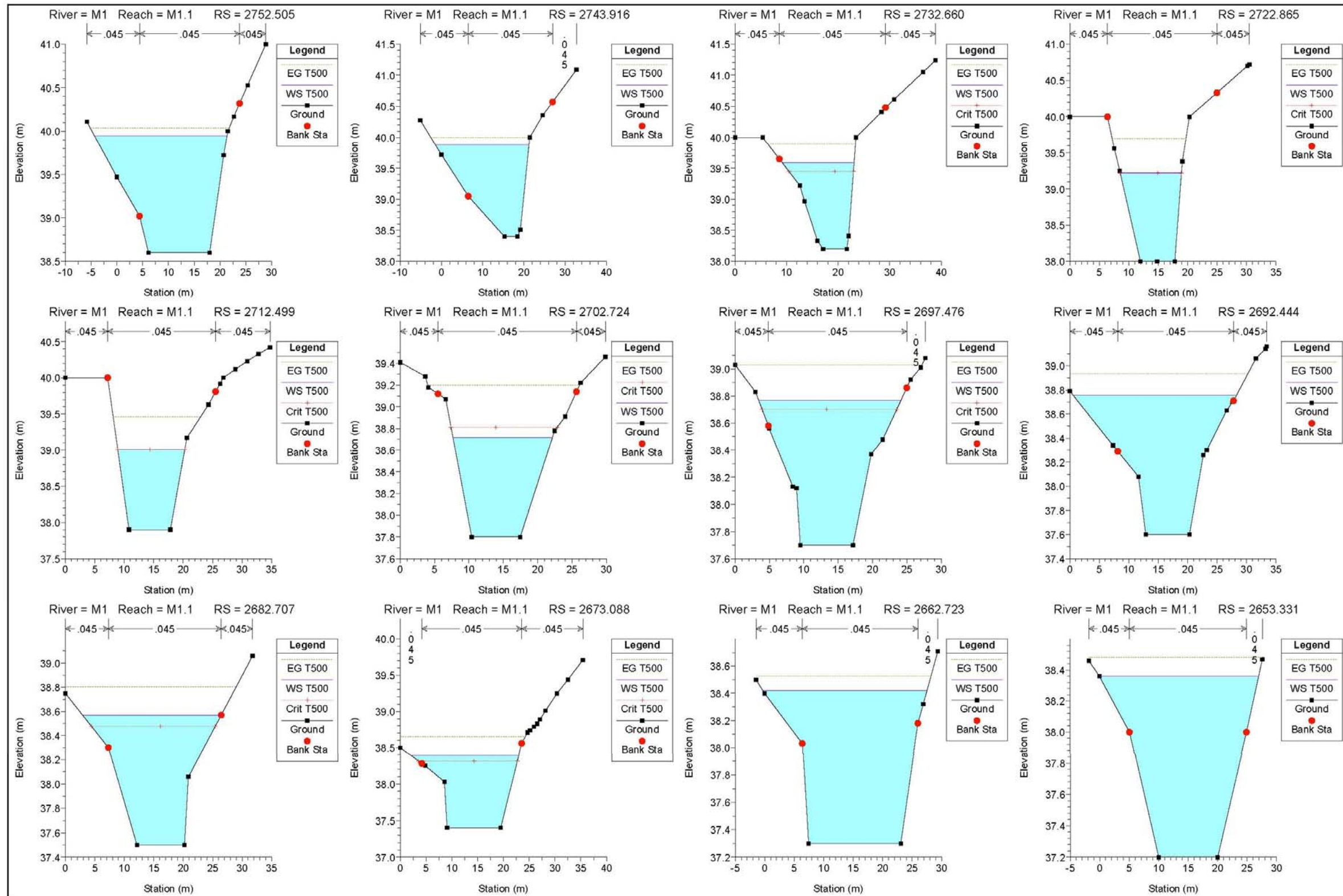
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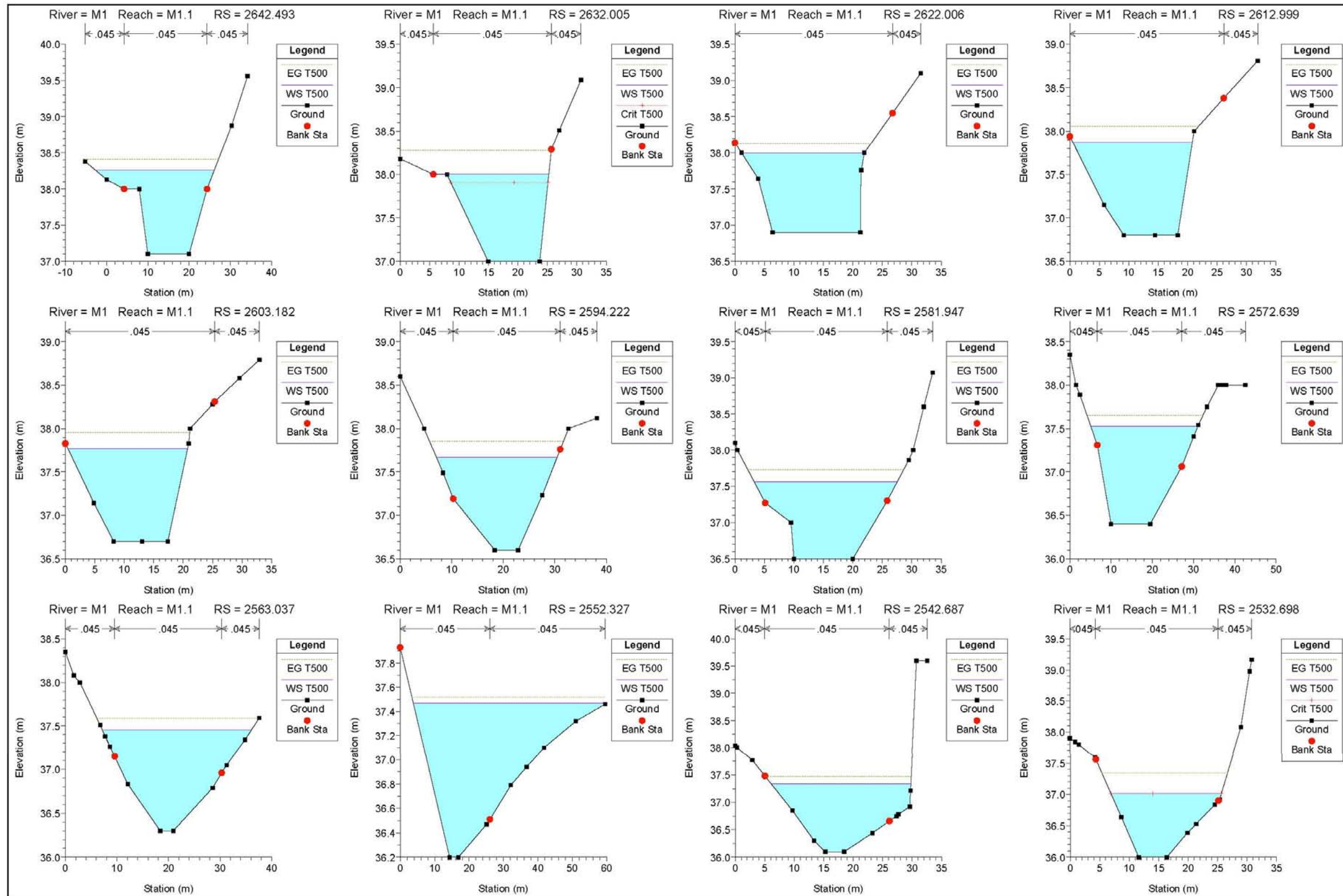
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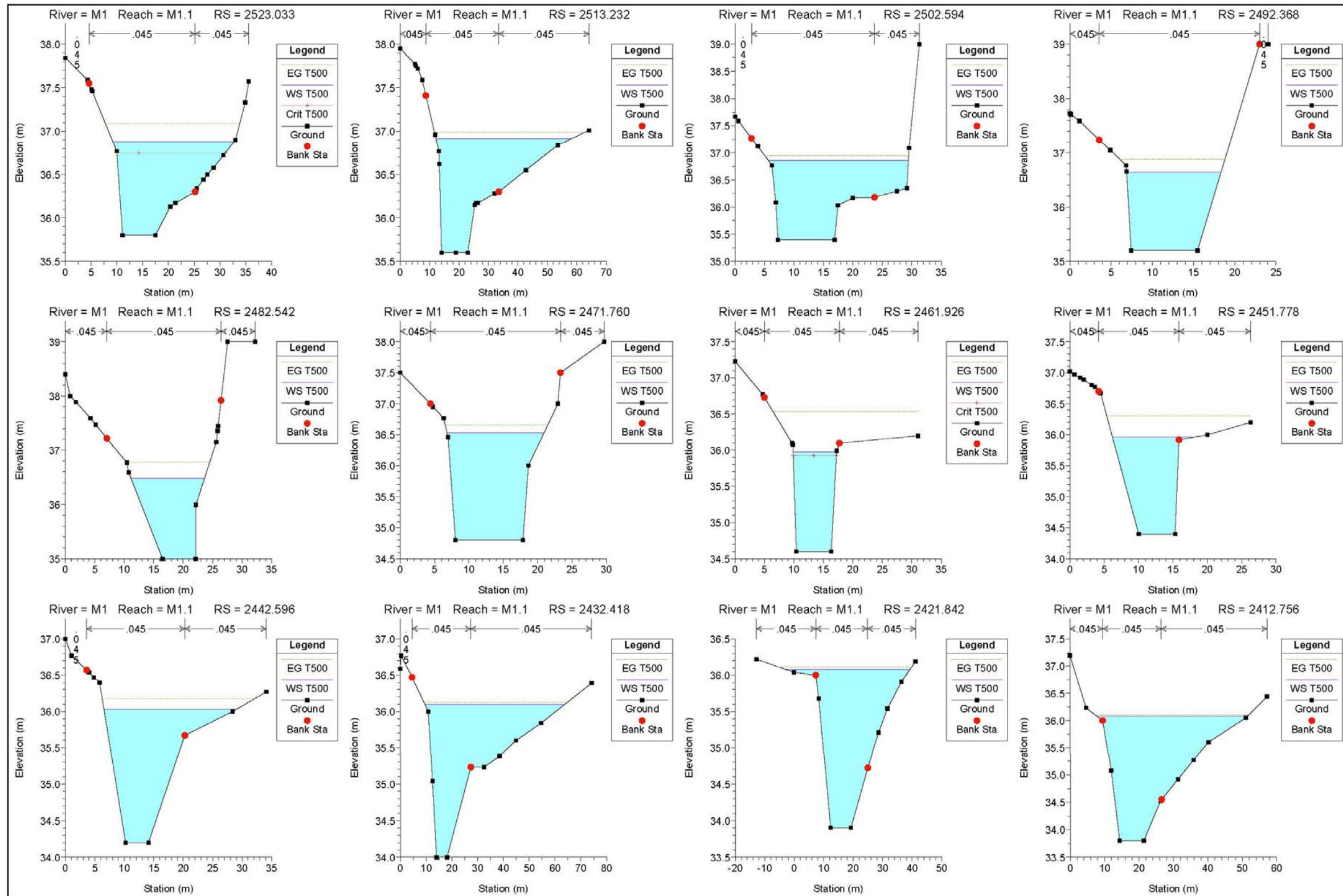


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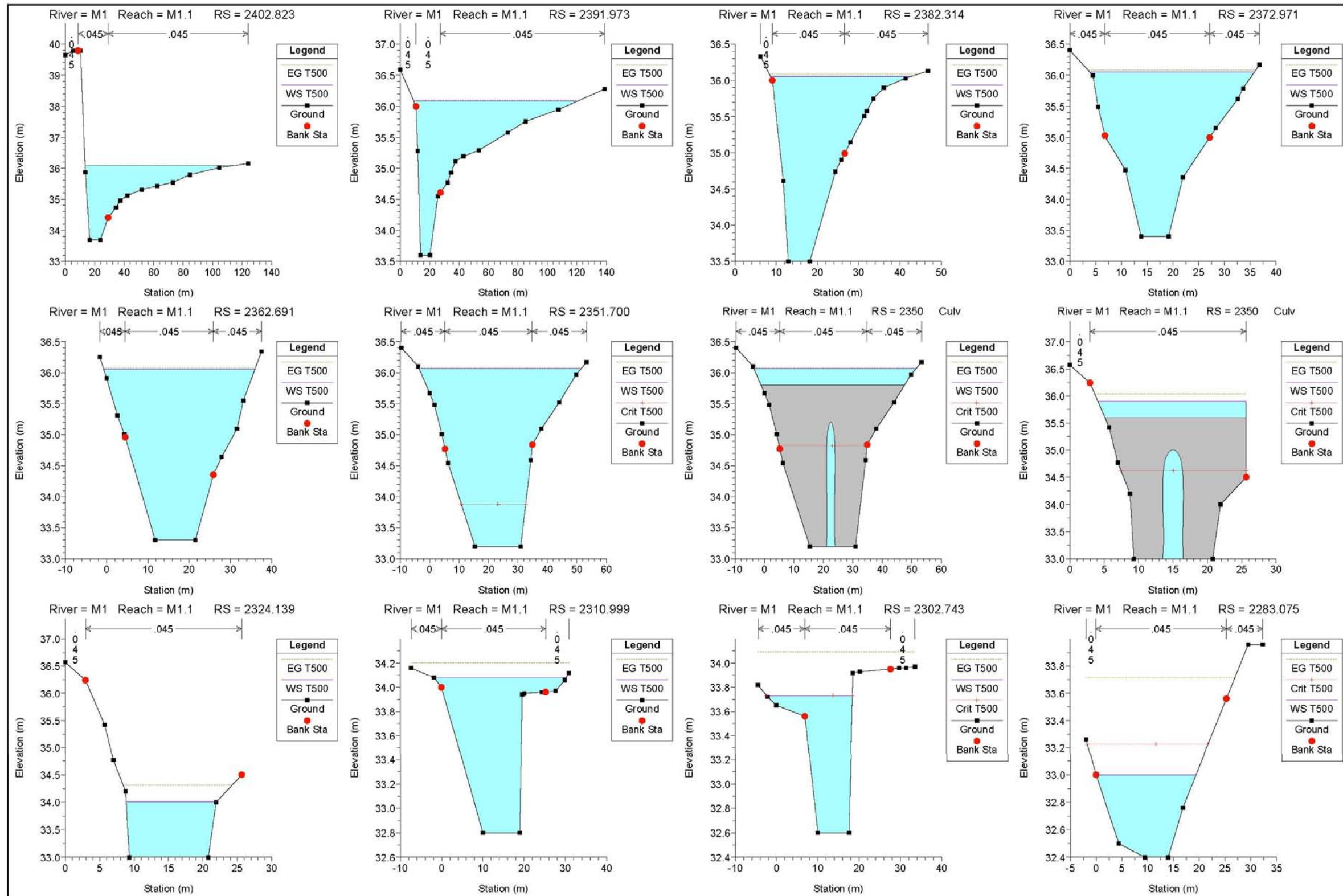


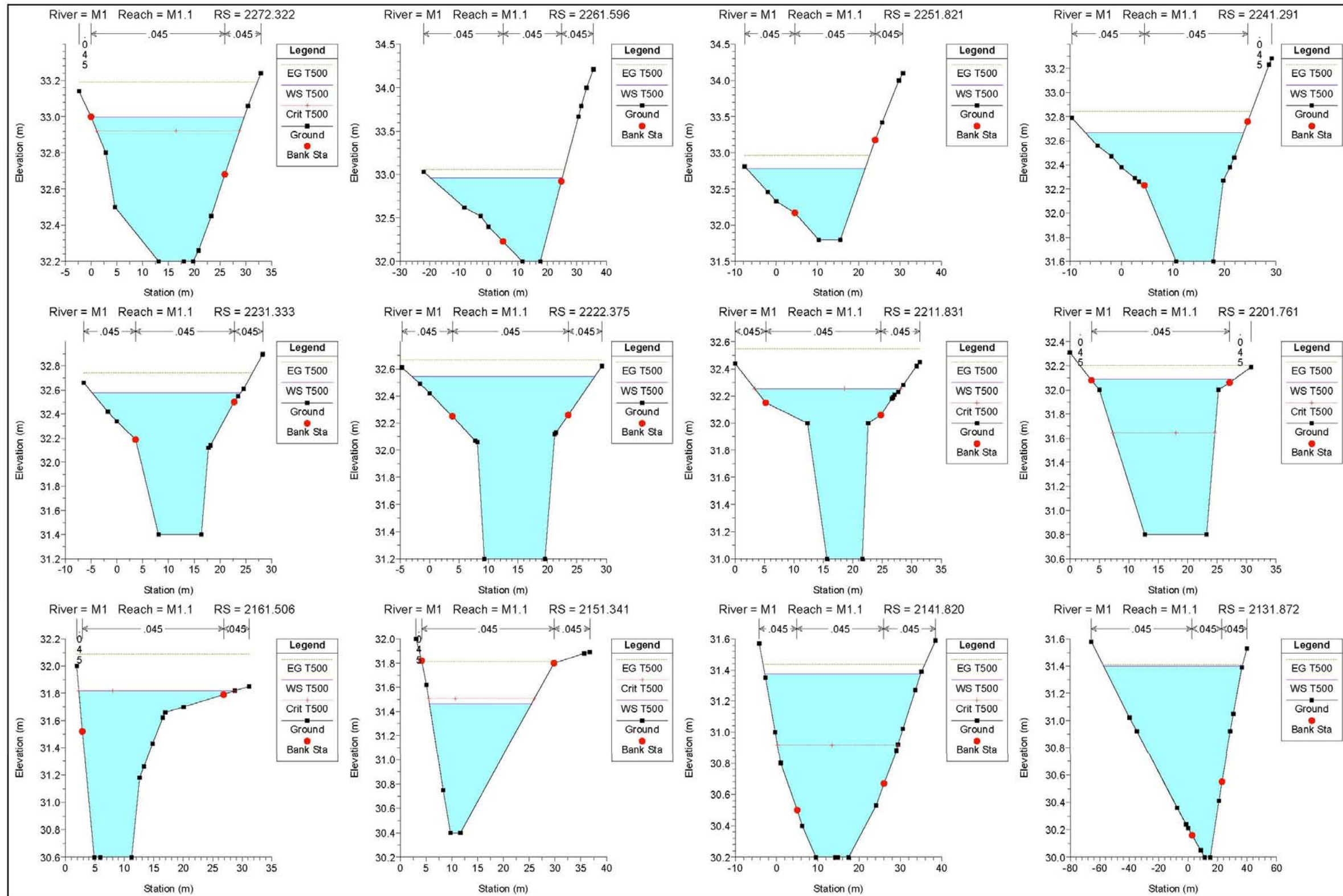
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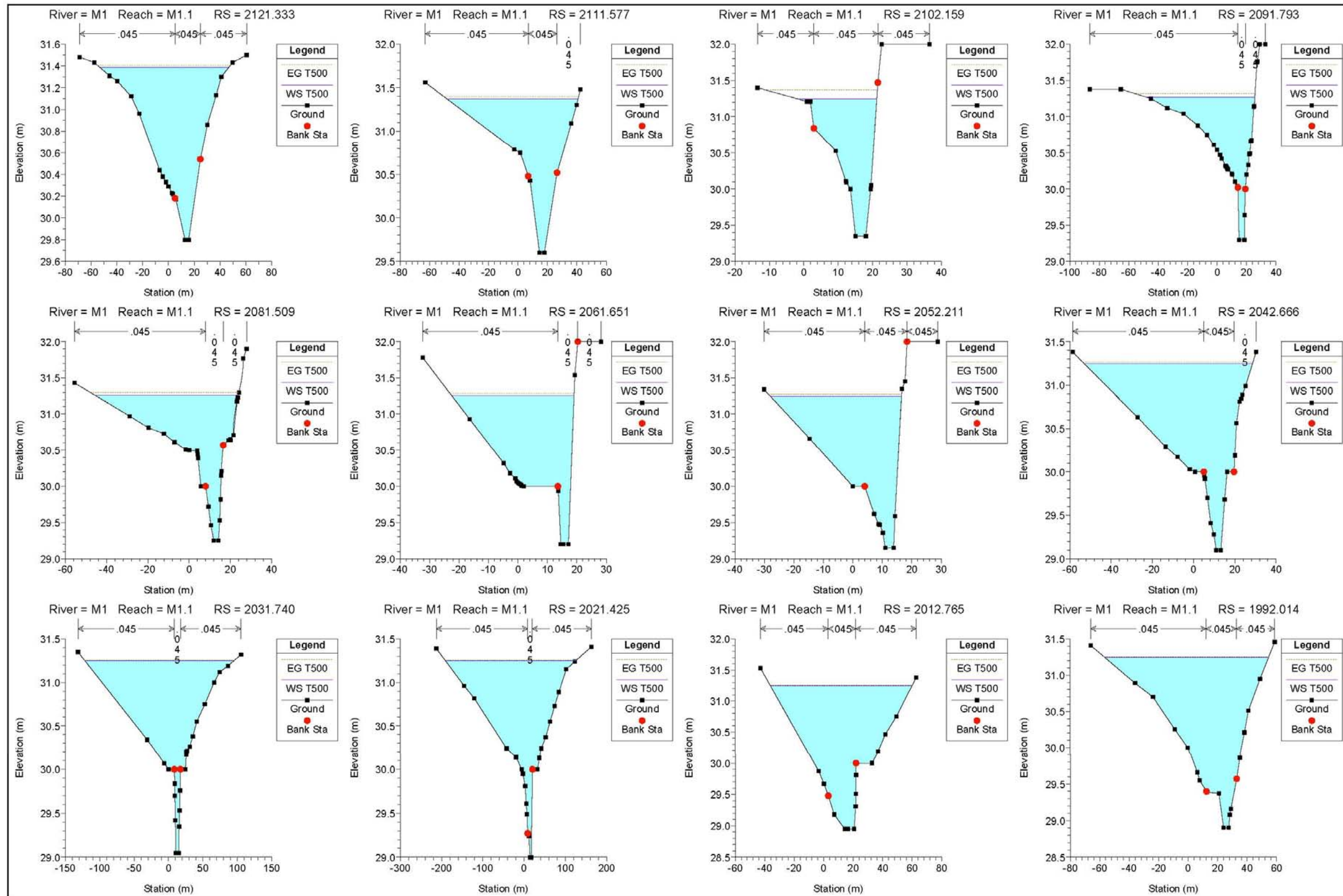


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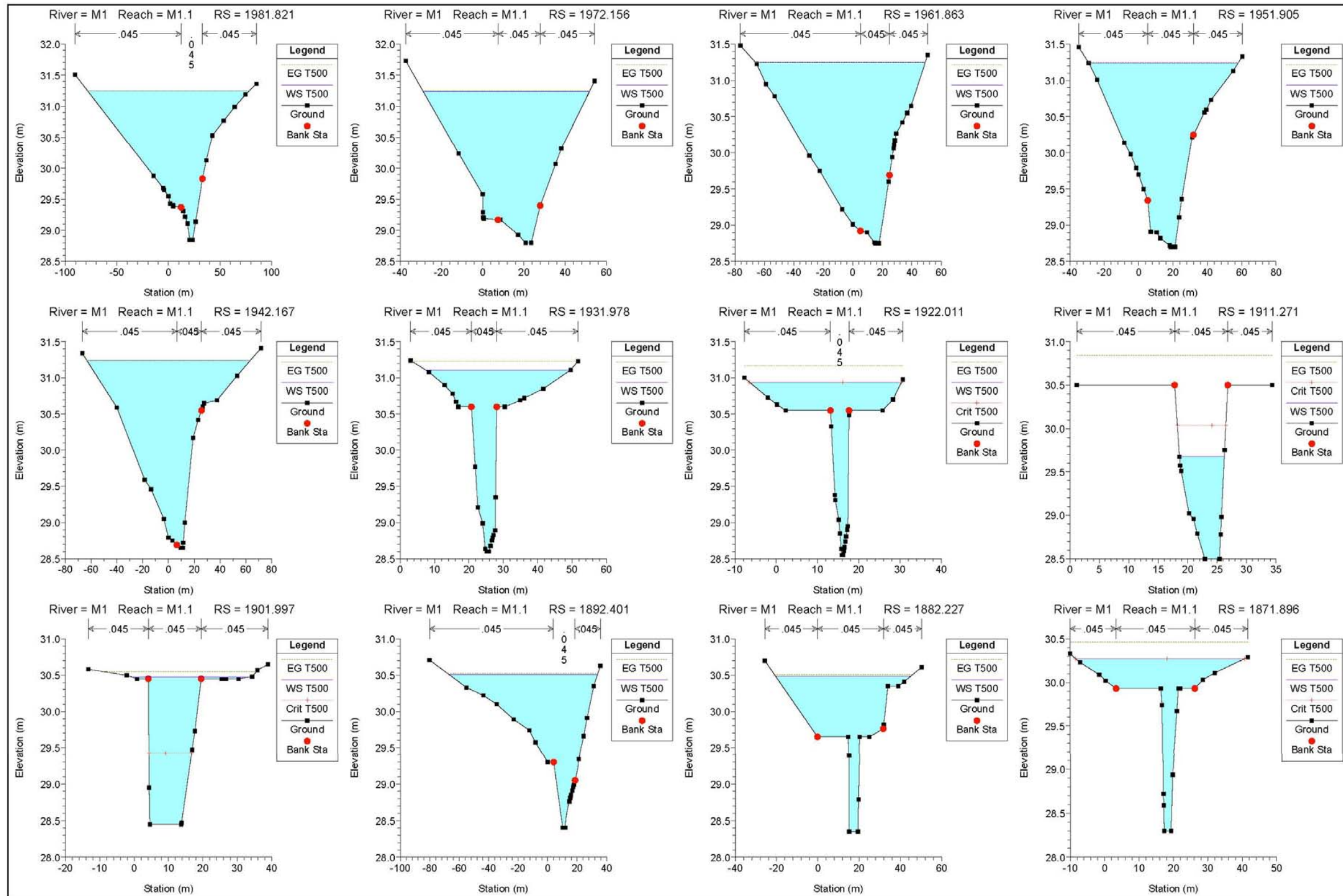




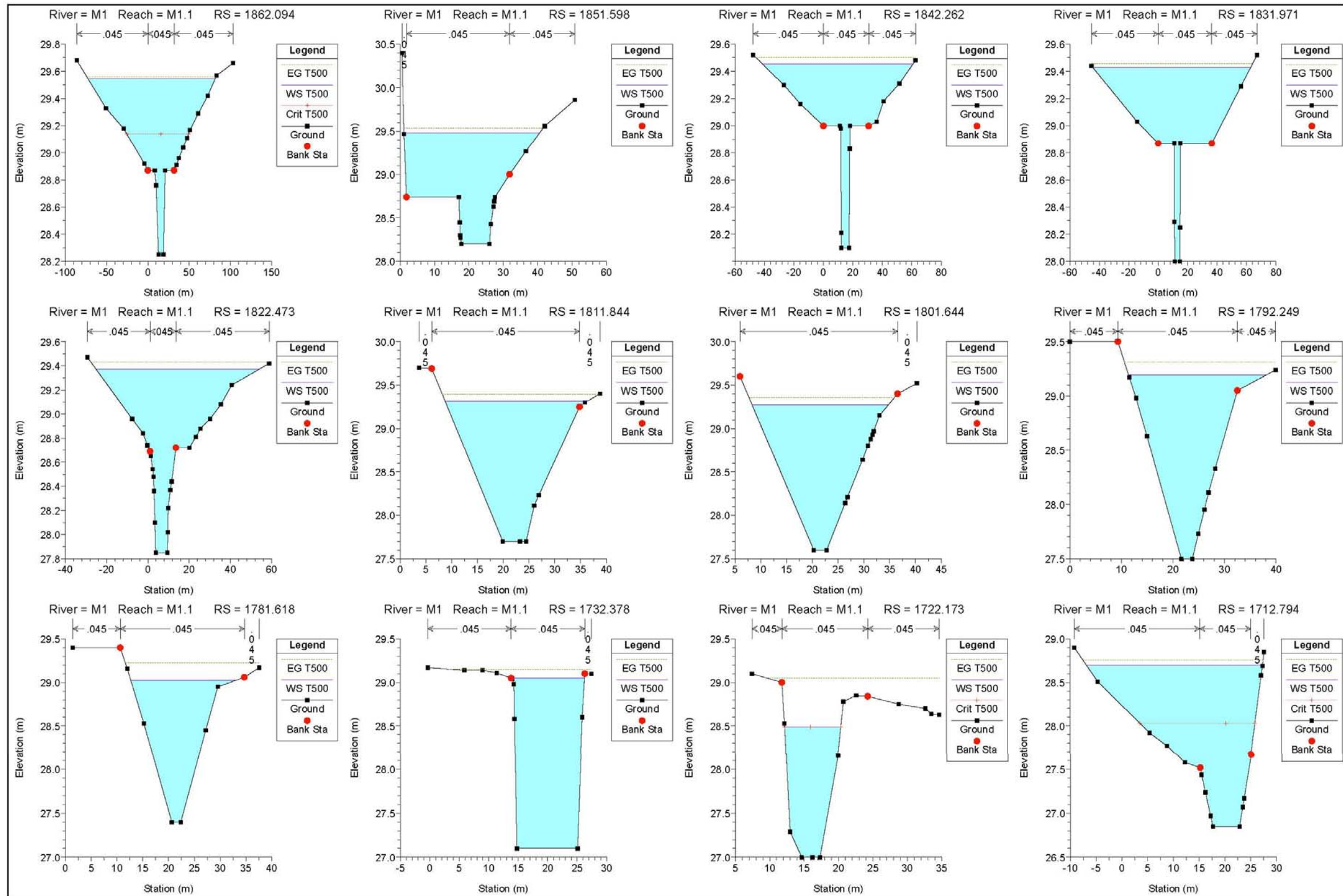
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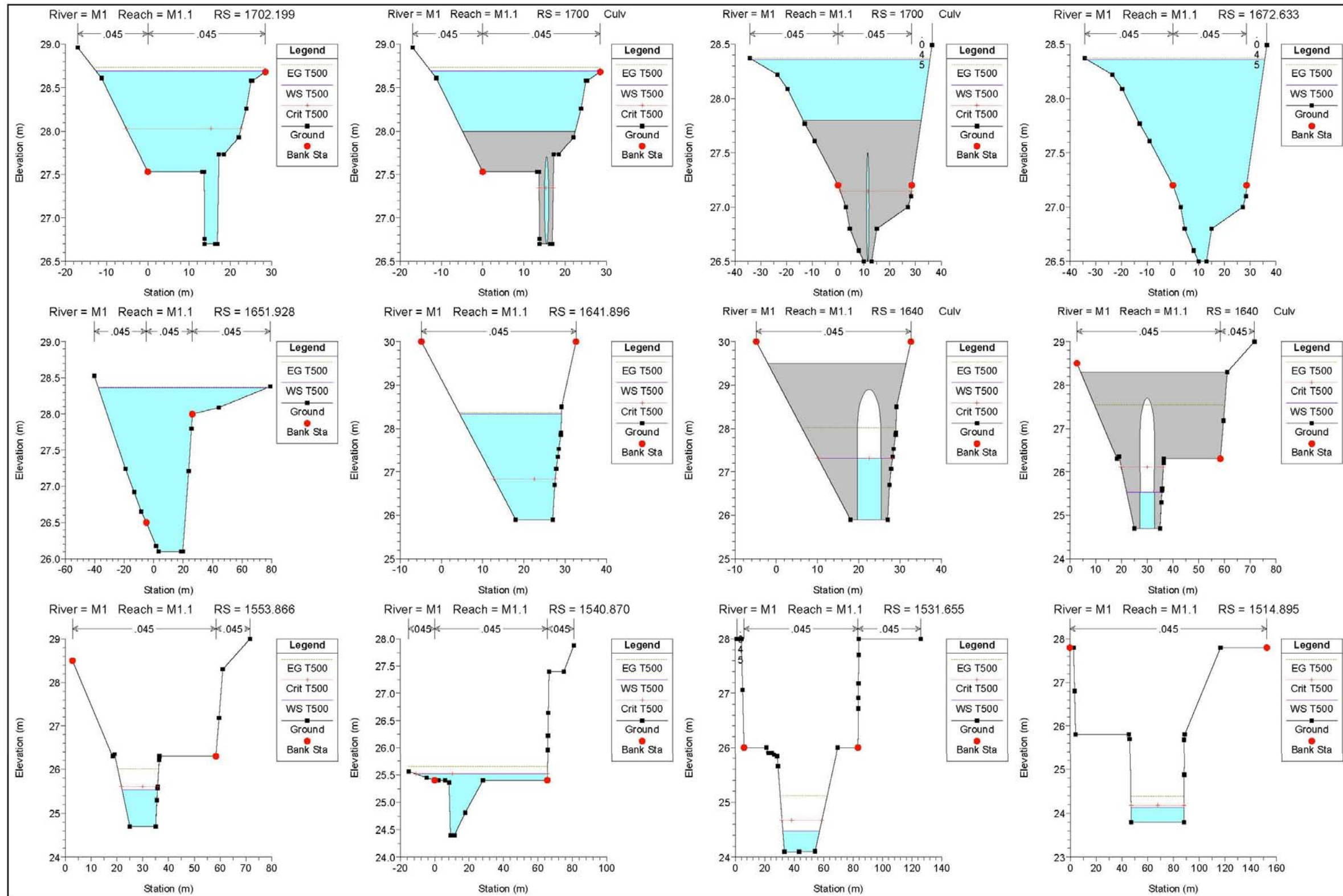


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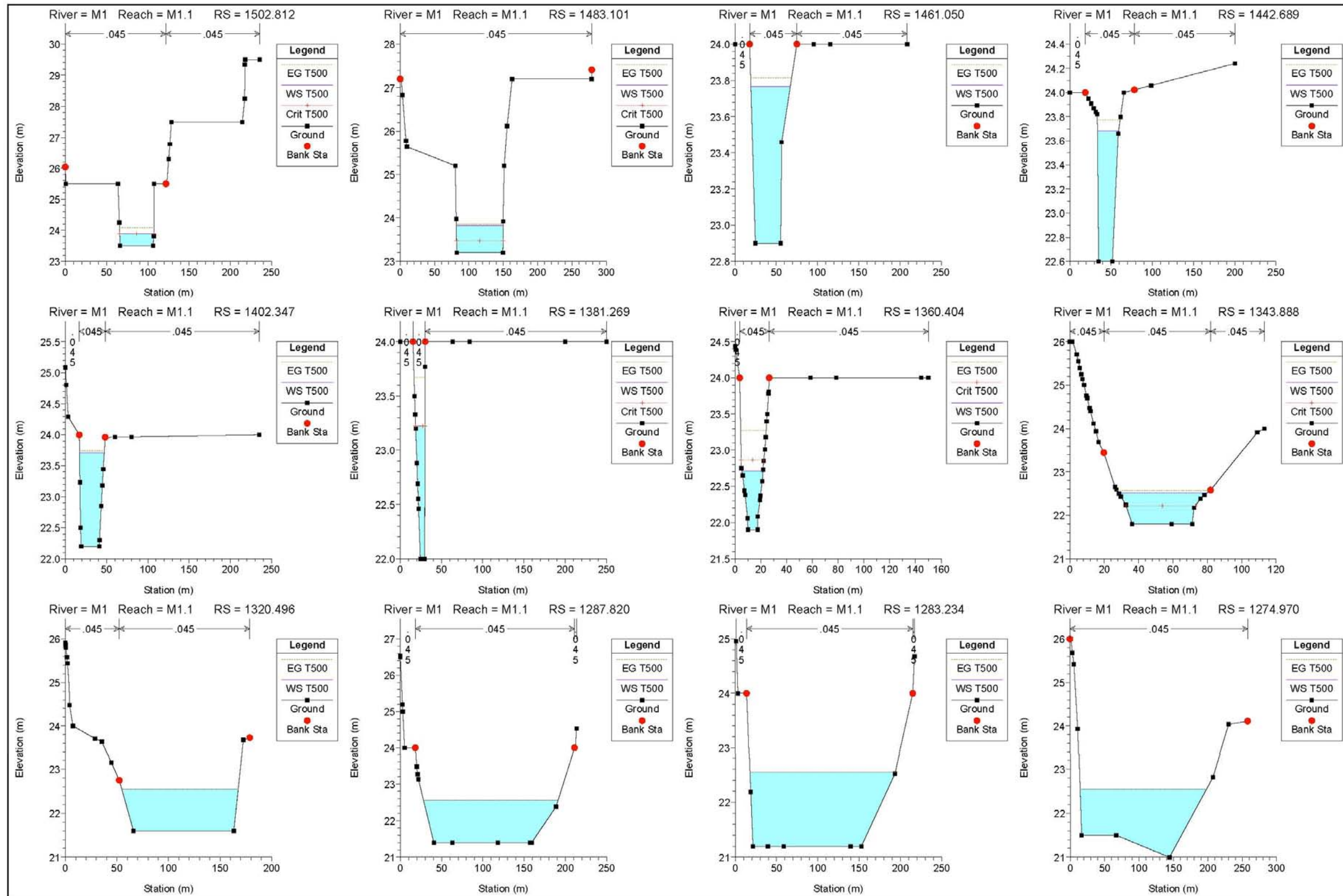


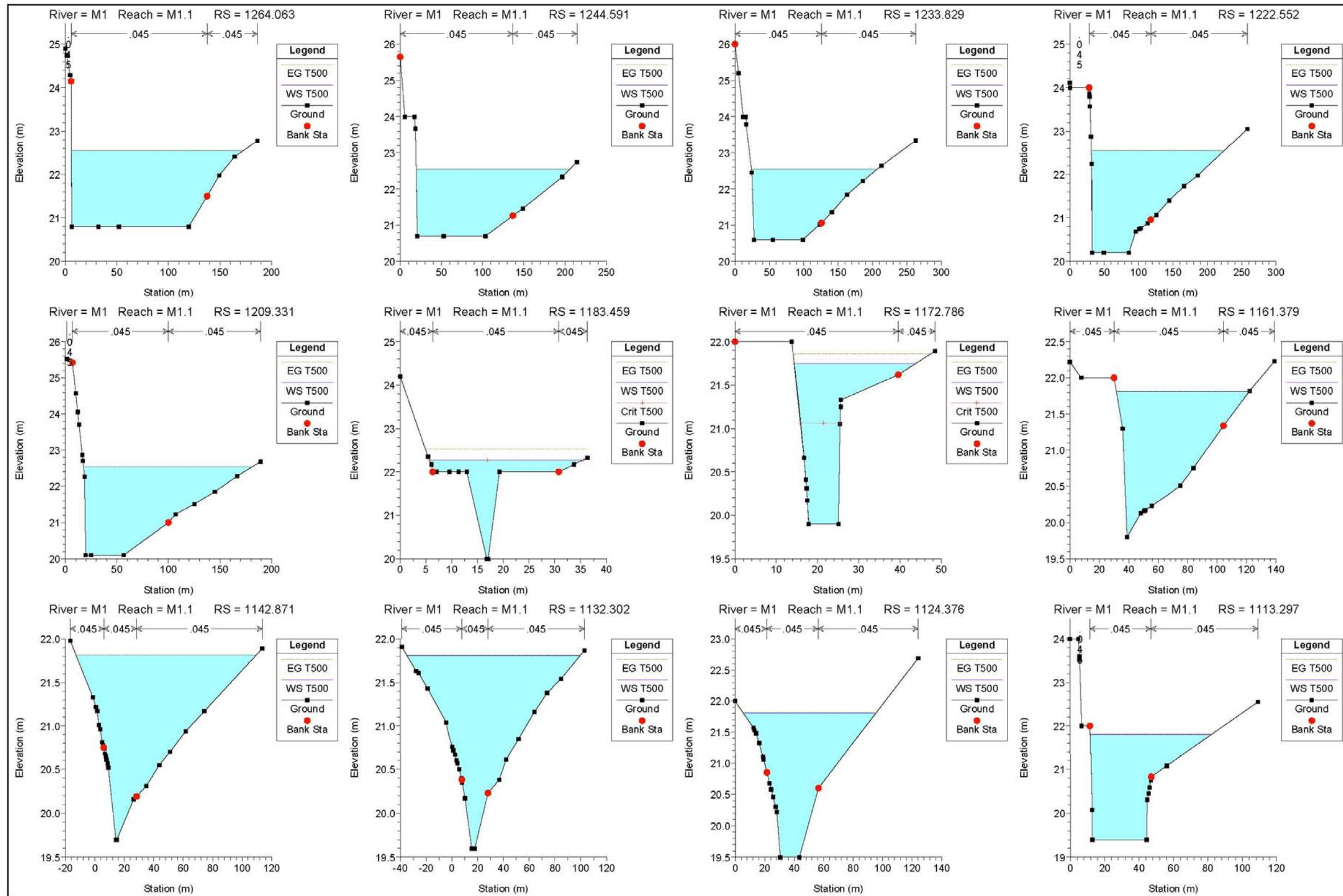
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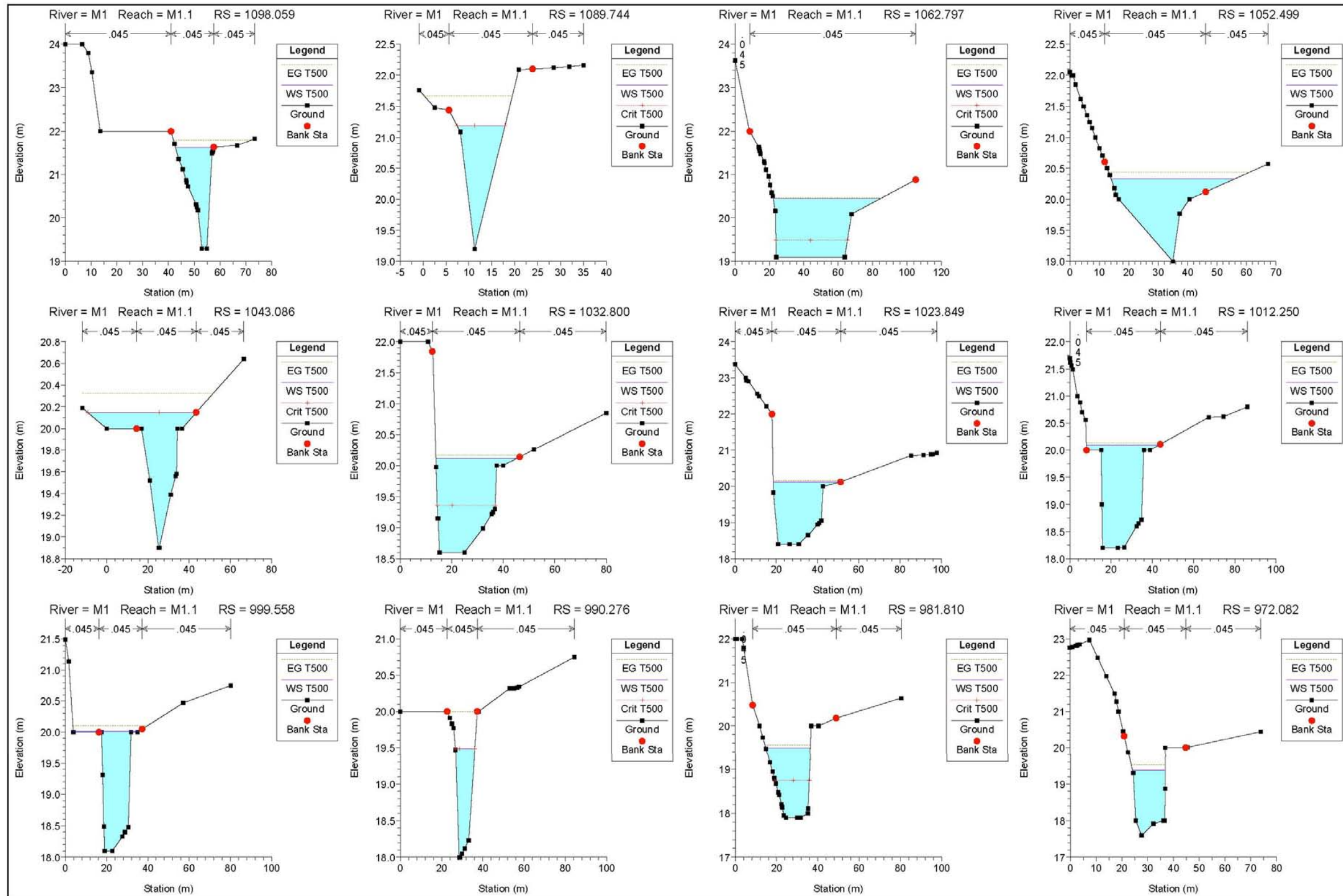


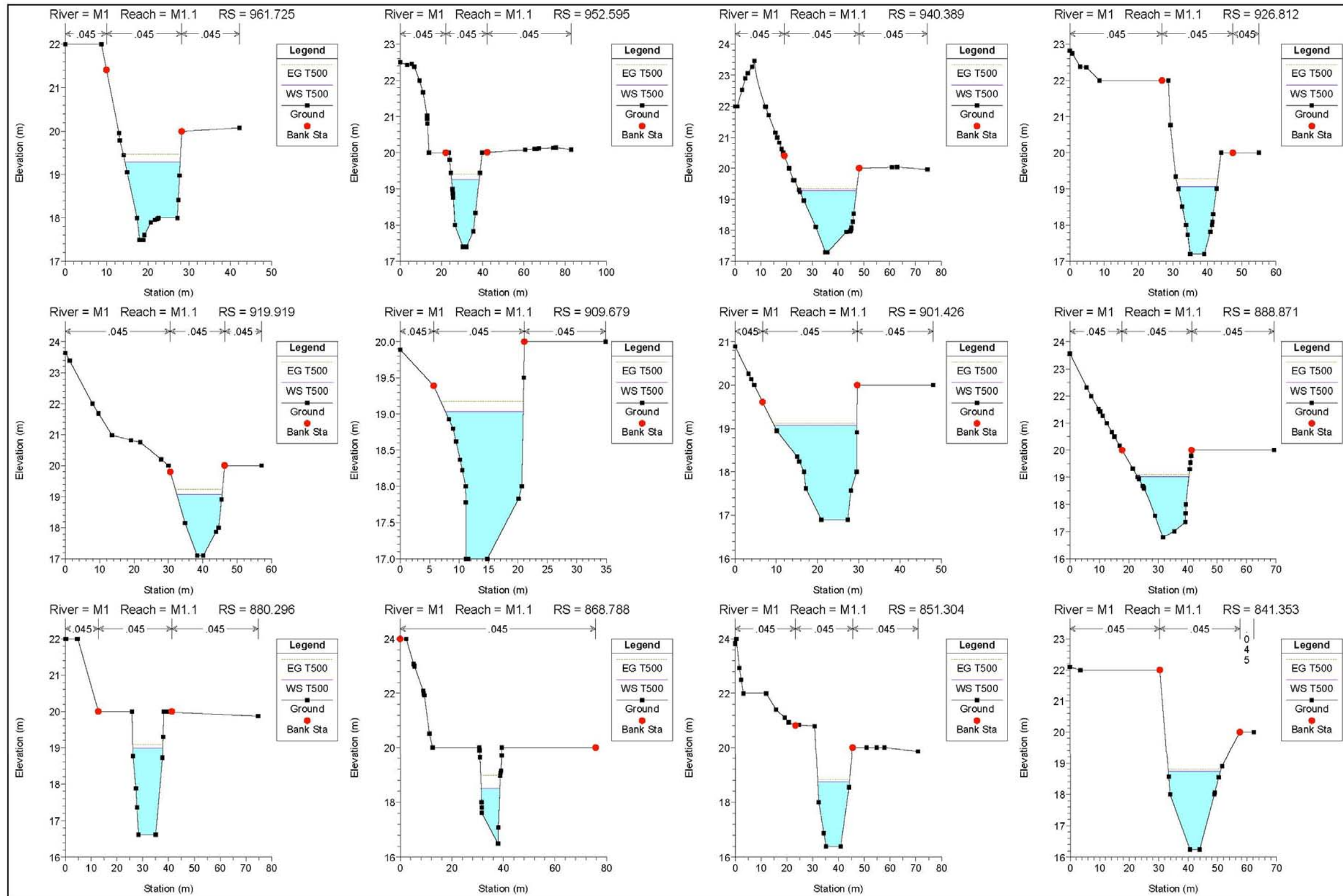


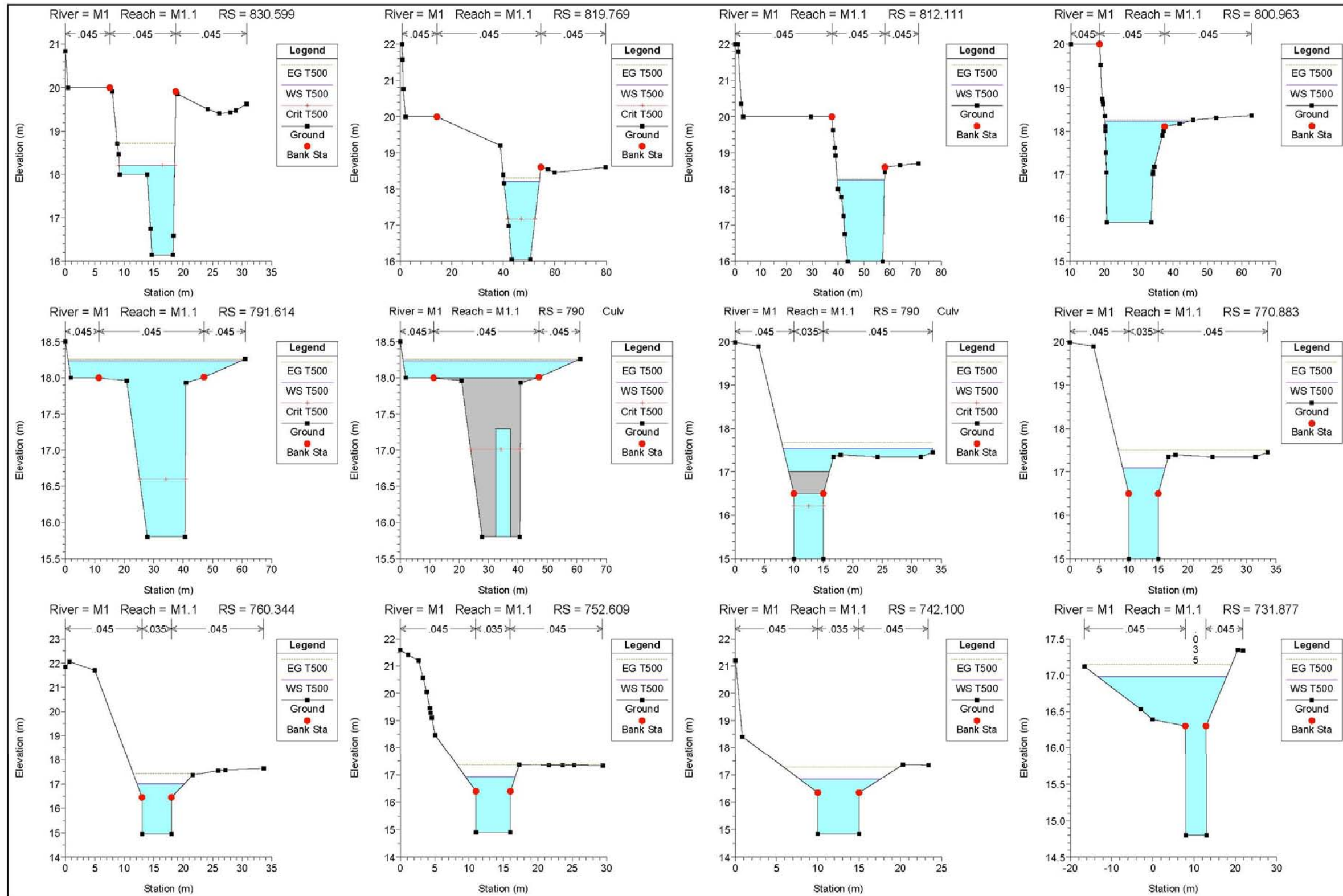
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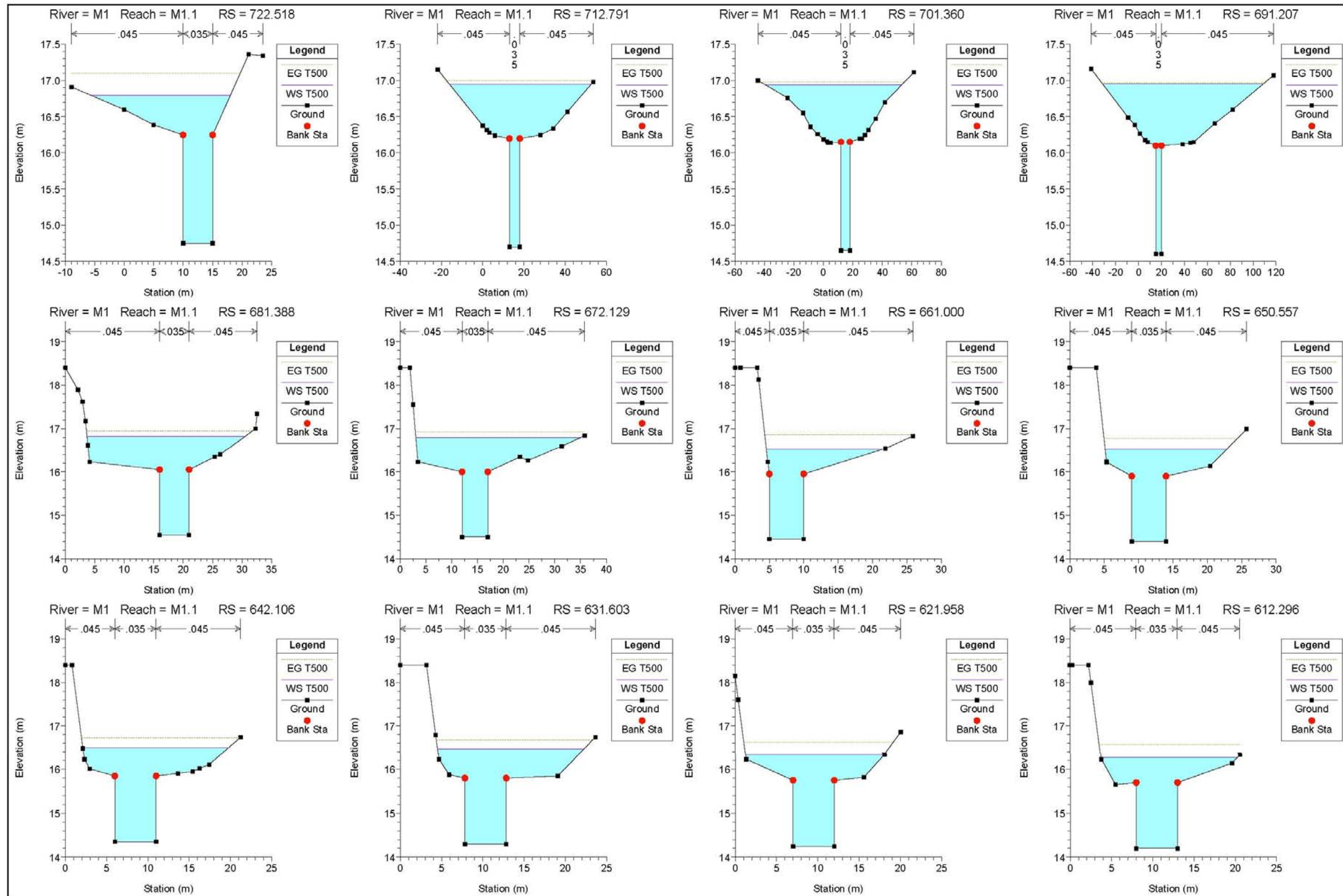




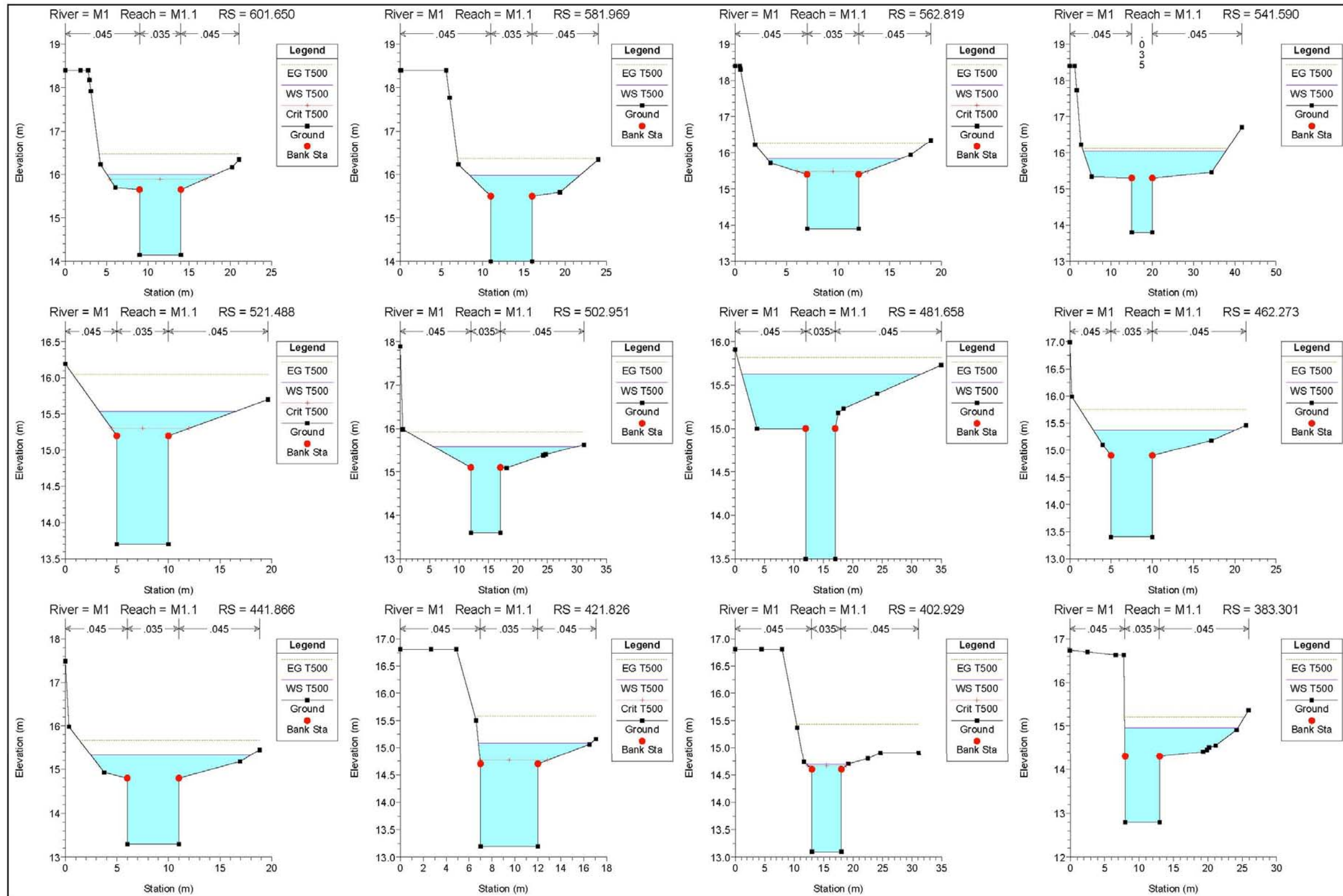




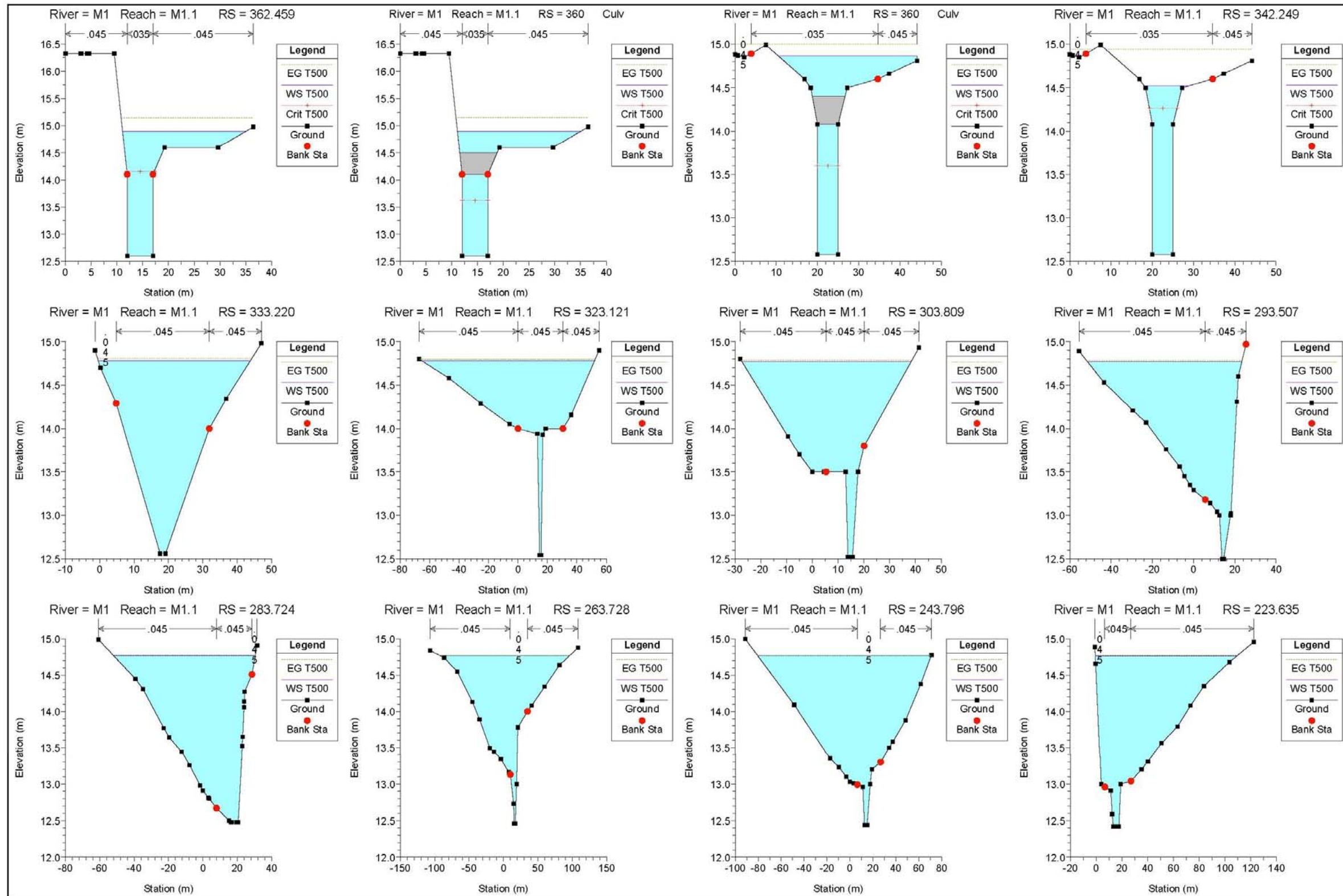


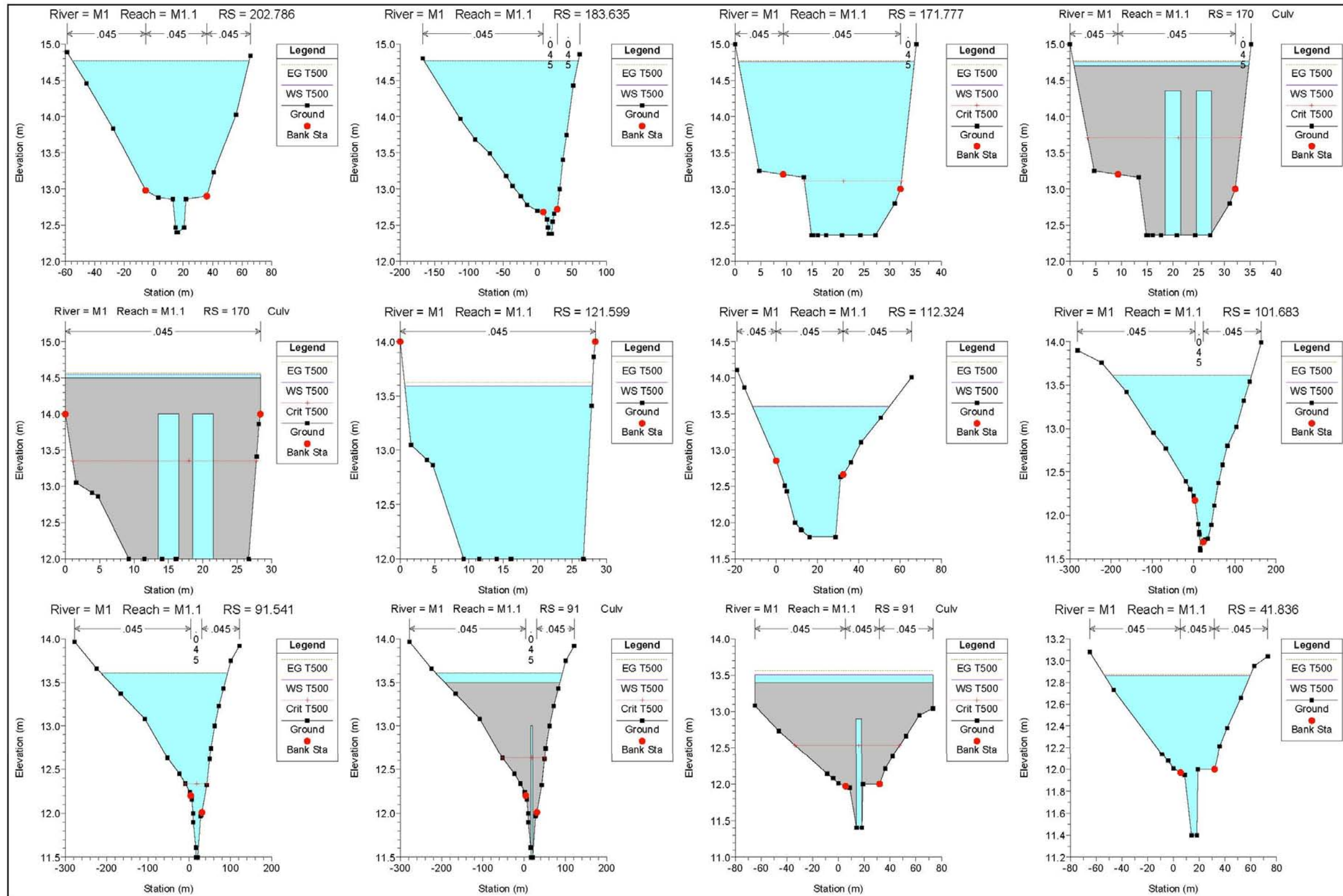


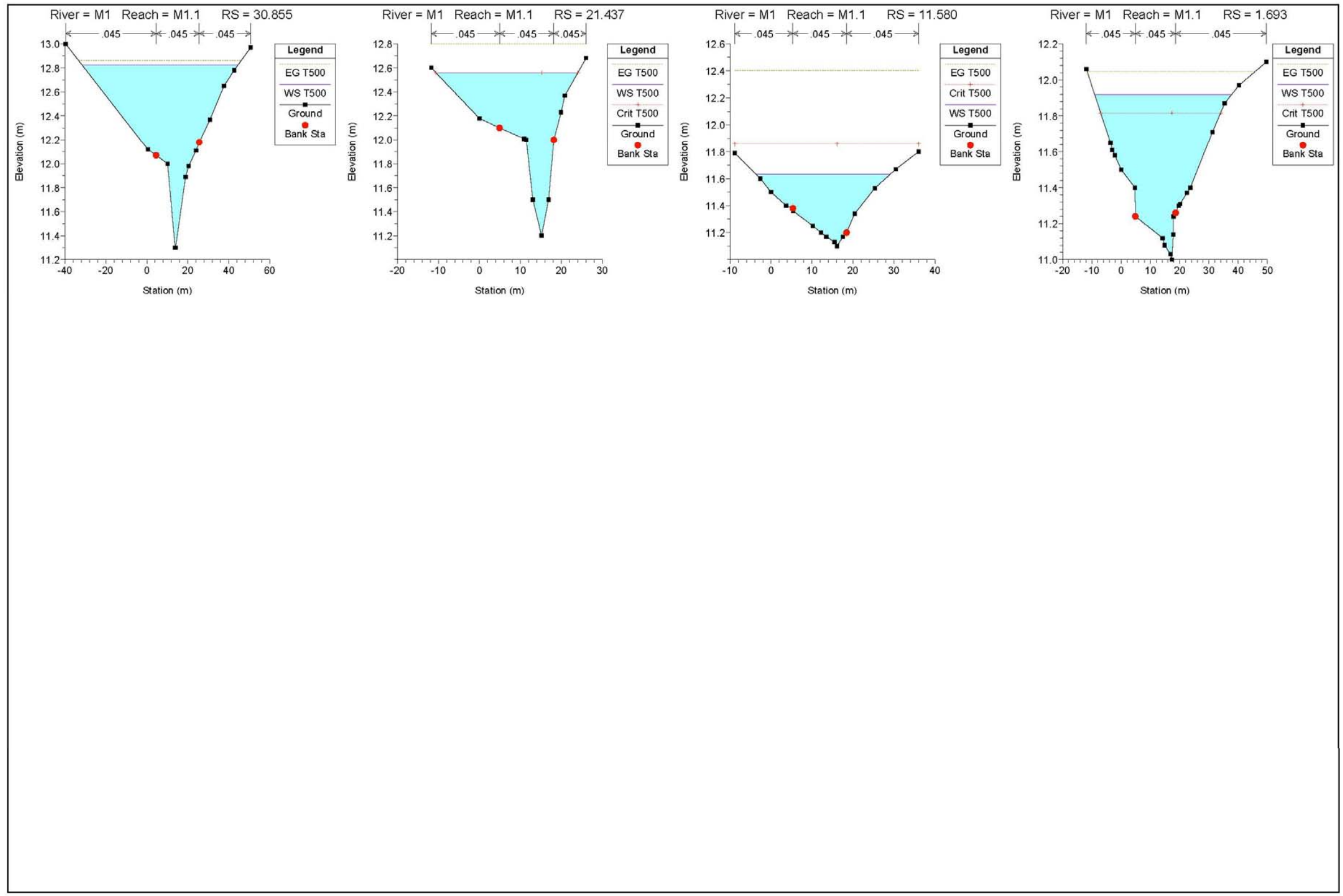
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DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION







3.6.4.- Tablas de resultados

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	4405.889	T500	30.38	83.2	83.99	84.04	84.35	0.030021	2.64	11.51	19.96	1.11
M1.1	4396.867	T500	30.38	83	83.78	83.83	84.15	0.030333	2.72	11.18	18.79	1.13
M1.1	4356.251	T500	30.38	82.5	83.31	83.42	83.81	0.036351	3.13	9.72	14.99	1.24
M1.1	4346.717	T500	30.38	82.2	82.94	83.06	83.41	0.046654	3.04	10.03	20.64	1.35
M1.1	4337.253	T500	30.38	81.6	82.27	82.45	82.87	0.067798	3.41	8.91	19.55	1.61
M1.1	4327.23	T500	30.38	81	82.17	81.76	82.29	0.005066	1.55	19.66	19.7	0.49
M1.1	4317.391	T500	30.38	80.56	81.75	81.75	82.17	0.022071	2.86	10.61	12.72	1
M1.1	4306.271	T500	30.38	80	80.7	81	81.68	0.084353	4.38	6.93	12.13	1.85
M1.1	4297.095	T500	30.38	79.5	80.33	80.51	80.99	0.051511	3.59	8.45	13.73	1.46
M1.1	4286.749	T500	30.38	78	78.87	79.29	80.21	0.097378	5.12	5.94	8.88	2
M1.1	4276.107	T500	30.38	76.5	77.42	77.91	79.05	0.116093	5.65	5.38	7.89	2.18
M1.1	4266.334	T500	30.38	76	76.77	77.13	77.95	0.084787	4.81	6.31	9.36	1.87
M1.1	4256.35	T500	30.38	75.5	76.46	76.66	77.2	0.046519	3.82	7.96	10.76	1.42
M1.1	4247.021	T500	30.38	75	75.75	76.04	76.67	0.06747	4.23	7.17	10.65	1.65
M1.1	4236.416	T500	30.38	74.5	75.19	75.42	75.95	0.058562	3.86	7.88	12.58	1.56
M1.1	4226.686	T500	30.38	74	74.74	74.93	75.41	0.048765	3.6	8.43	13.09	1.43
M1.1	4218.314	T500	30.38	73.5	74.68	74.34	74.86	0.0074	1.9	15.99	15.44	0.6
M1.1	4208		Inl Struct									
M1.1	4207.092	T500	30.38	73	73.79	73.79	74.16	0.023266	2.69	11.28	15.39	1
M1.1	4197.922	T500	30.38	72	72.89	73.17	73.79	0.057425	4.2	7.22	9.83	1.57
M1.1	4187.228	T500	30.38	71.7	72.66	72.76	73.25	0.032176	3.4	8.92	10.5	1.18
M1.1	4177.202	T500	30.38	71.4	72.46	72.46	72.95	0.023446	3.11	9.76	10.15	1.01
M1.1	4166.763	T500	30.38	71	71.72	71.95	72.55	0.059123	4.02	7.55	10.67	1.53
M1.1	4157.226	T500	30.38	70.5	71.42	71.57	72.04	0.037537	3.49	8.7	11.43	1.28
M1.1	4146.907	T500	30.38	70	70.6	70.86	71.47	0.081407	4.14	7.34	13.63	1.8
M1.1	4137.347	T500	30.38	69.7	70.72	70.53	70.97	0.011949	2.23	13.61	14.66	0.74
M1.1	4127.247	T500	30.38	69.5	70.65		70.86	0.008557	2.03	14.94	13.7	0.62
M1.1	4118.041	T500	30.38	69.3	70.33	70.33	70.72	0.022864	2.78	10.94	14.11	1.01
M1.1	4107.455	T500	30.38	68.5	69.43	69.69	70.3	0.059034	4.14	7.34	10.61	1.59
M1.1	4097.195	T500	30.38	68.3	69.35	69.36	69.84	0.02325	3.08	9.85	10.58	1.02
M1.1	4086.771	T500	30.38	68	68.77	68.96	69.48	0.048216	3.73	8.15	11.71	1.43
M1.1	4076.601	T500	30.38	67.5	68.16	68.38	68.92	0.060961	3.87	7.85	12.75	1.58
M1.1	4066.44	T500	30.38	67	67.65	67.83	68.31	0.05287	3.62	8.4	13.29	1.45
M1.1	4056.975	T500	30.38	66.6	67.81	67.33	67.94	0.004565	1.57	19.32	16.52	0.46
M1.1	4047.508	T500	30.38	66.4	67.82		67.89	0.002076	1.17	25.95	18.72	0.32
M1.1	4036.029	T500	30.38	66.2	67.4	67.4	67.8	0.022081	2.83	10.76	13.59	1
M1.1	4027.036	T500	30.38	66	66.97	67.1	67.54	0.037188	3.35	9.07	12.76	1.27
M1.1	4016.626	T500	30.38	65.8	66.93	66.93	67.34	0.022638	2.81	10.8	13.56	1.01
M1.1	4006.221	T500	30.38	65.4	66.43	66.56	67.03	0.033907	3.43	8.85	10.88	1.22
M1.1	3995.319	T500	30.38	65	65.87	66.07	66.59	0.045618	3.77	8.06	10.77	1.39
M1.1	3985.742	T500	30.38	64.5	65.36	65.57	66.14	0.048171	3.92	7.75	9.99	1.42
M1.1	3975.612	T500	30.38	64	64.94	65.13	65.66	0.042842	3.78	8.05	10.32	1.36
M1.1	3965.989	T500	30.38	63.5	64.21	64.49	65.13	0.070126	4.23	7.18	11.34	1.7
M1.1	3960.773	T500	30.38	63.2	63.92	64.17	64.76	0.061321	4.08	7.45	10.6	1.55

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	3955.467	T500	30.38	63	63.71	63.91	64.42	0.053992	3.75	8.1	12.36	1.48
M1.1	3952.212	T500	30.38	62.35	63.48	63.71	64.25	0.046646	3.89	7.81	10.33	1.43
M1.1	3945.81	T500	30.38	62	62.82	63.14	63.85	0.076775	4.51	6.74	10.48	1.79
M1.1	3935.69	T500	30.38	61.8	62.92	62.81	63.23	0.015678	2.45	12.41	14.63	0.85
M1.1	3925.346	T500	30.38	61.6	62.61	62.61	63.02	0.022497	2.83	10.72	13.26	1.01
M1.1	3920.939	T500	30.38	61.3	61.99	62.24	62.82	0.067244	4.04	7.52	12.51	1.66
M1.1	3915.697	T500	30.38	61	61.65	61.9	62.46	0.068129	4	7.6	12.99	1.67
M1.1	3905.853	T500	30.38	60.8	61.89	61.62	62.1	0.008696	2	15.17	15.11	0.64
M1.1	3895.521	T500	30.38	60.6	61.86		62	0.00615	1.68	18.12	18.74	0.54
M1.1	3885.487	T500	30.38	60.39	61.5	61.5	61.87	0.022932	2.7	11.25	15.37	1.01
M1.1	3874.533	T500	30.38	60	60.78	60.98	61.48	0.052569	3.7	8.2	12.95	1.49
M1.1	3864.307	T500	30.38	59.8	60.75	60.57	60.96	0.010624	2.03	14.99	17.96	0.7
M1.1	3854.532	T500	30.38	59.6	60.69		60.86	0.007772	1.84	16.47	17.53	0.61
M1.1	3844.367	T500	30.38	59.4	60.59		60.78	0.007899	1.96	15.48	14.62	0.61
M1.1	3834.58	T500	30.38	59.2	60.19	60.19	60.63	0.022888	2.95	10.28	11.7	1.01
M1.1	3823.952	T500	30.38	59	59.63	59.81	60.24	0.063525	3.46	8.78	17.98	1.58
M1.1	3814.445	T500	30.38	58.8	59.76	59.58	59.98	0.011346	2.05	14.81	17.89	0.72
M1.1	3802.146	T500	30.38	58.6	59.4	59.4	59.77	0.023359	2.68	11.32	15.61	1.01
M1.1	3794.138	T500	30.38	58.4	59.1	59.17	59.54	0.031426	2.94	10.33	15.42	1.15
M1.1	3789.233	T500	30.38	58.2	59.13	58.98	59.4	0.013476	2.29	13.26	14.76	0.77
M1.1	3784.294	T500	30.38	58	59.08		59.34	0.011341	2.24	13.59	13.42	0.71
M1.1	3774.233	T500	30.38	57.8	59.1		59.23	0.00454	1.61	18.86	14.86	0.46
M1.1	3764.431	T500	30.38	57.6	58.66	58.66	59.11	0.022697	2.98	10.21	11.42	1
M1.1	3753.948	T500	30.38	57.4	58.25	58.36	58.81	0.034139	3.33	9.13	11.95	1.21
M1.1	3744.302	T500	30.38	57.2	57.99	58.06	58.48	0.030781	3.08	9.85	13.46	1.15
M1.1	3733.916	T500	30.38	57	57.83	57.92	58.28	0.031916	2.99	10.28	17.1	1.17
M1.1	3724.307	T500	30.38	56.3	57.03	57.28	57.83	0.061453	3.96	7.67	12.28	1.6
M1.1	3714.492	T500	30.38	56	56.94	56.99	57.44	0.026841	3.12	9.74	11.67	1.09
M1.1	3703.832	T500	30.38	55.8	56.86	56.66	57.12	0.01168	2.25	13.47	13.98	0.73
M1.1	3693.867	T500	30.38	55.6	56.53	56.53	56.94	0.022658	2.87	10.59	12.76	1
M1.1	3684.194	T500	30.38	55.2	56.39	56.21	56.68	0.012567	2.39	12.7	12.87	0.77
M1.1	3674.194	T500	30.38	55	56.05	56.05	56.5	0.022298	2.97	10.22	11.47	1.01
M1.1	3664.125	T500	30.38	54.6	55.52	55.68	56.19	0.039254	3.62	8.39	10.71	1.31
M1.1	3654.185	T500	30.38	54.2	55.07	55.25	55.77	0.044095	3.72	8.17	10.87	1.37
M1.1	3644.286	T500	30.38	54	54.84	54.92	55.34	0.031896	3.15	9.63	12.97	1.17
M1.1	3633.902	T500	30.38	53.8	54.72	54.66	55.04	0.017924	2.51	12.09	15.07	0.9
M1.1	3623.905	T500	30.38	53.6	54.48	54.48	54.84	0.023168	2.63	11.53	16.52	1.01
M1.1	3614.216	T500	30.38	53.4	54.31	54.15	54.51	0.011627	2	15.17	19.3	0.72
M1.1	3603.252	T500	30.38	53.2	54.02	54.02	54.33	0.023472	2.47	12.32	20.95	1
M1.1	3594.209	T500	30.38	52.8	53.79	53.53	53.95	0.007963	1.8	17.22	20.59	0.62
M1.1	3584.111	T500	30.38	52.6	53.53	53.47	53.82	0.017436	2.41	12.81	17.58	0.89
M1.1	3575.298	T500	30.38	52.4	53.55		53.7	0.005356	1.79	18.48	19.26	0.53
M1.1	3563.468	T500	30.38	52.2	53.22	53.22	53.57	0.023209	2.62	11.59	16.79	1.01
M1.1	3553.804	T500	30.38	52	52.59	52.77	53.19	0.063925	3.43	8.86	18.38	1.58
M1.1	3543.492	T500	30.38	51.8	52.62	52.49	52.83	0.012478	2.02	15.11	20.71	0.75

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	3533.832	T500	30.38	51.6	52.34	52.34	52.66	0.023114	2.52	12.18	19.34	1
M1.1	3523.211	T500	30.38	51.4	52.3	52.12	52.45	0.009611	1.74	17.57	25.07	0.66
M1.1	3502.066	T500	30.38	51.2	52.2		52.37	0.008875	1.8	17.09	23.45	0.64
M1.1	3493.862	T500	30.38	51	52.11		52.29	0.009844	1.85	16.42	22.02	0.67
M1.1	3483.589	T500	30.38	50.8	52.09		52.2	0.004684	1.48	20.54	21.58	0.48
M1.1	3473.455	T500	30.38	50.6	52.02		52.15	0.005191	1.61	18.87	18.4	0.51
M1.1	3463.35	T500	30.38	50.4	51.6	51.6	52.02	0.022119	2.87	10.57	12.57	1
M1.1	3453.791	T500	30.38	50.2	51.48	51.08	51.62	0.005822	1.65	18.39	18.75	0.53
M1.1	3443.336	T500	30.38	50	51.46		51.56	0.003712	1.38	21.94	19.86	0.42
M1.1	3433.939	T500	30.38	49.8	51.09	51.09	51.46	0.022577	2.71	11.22	15.06	1
M1.1	3422.915	T500	30.38	49.7	50.41	50.6	51.06	0.055076	3.58	8.48	14.71	1.51
M1.1	3413.027	T500	30.38	49.6	50.64	50.45	50.85	0.010731	2.04	14.92	17.82	0.71
M1.1	3402.942	T500	30.38	49.4	50.55		50.75	0.009868	1.98	15.35	17.39	0.67
M1.1	3392.723	T500	30.38	49.3	50.47		50.65	0.008629	1.87	16.24	18.48	0.64
M1.1	3382.675	T500	30.38	49.2	50.32		50.54	0.011871	2.1	14.48	17.89	0.74
M1.1	3378.181	T500	30.38	49	50.32		50.48	0.006784	1.77	17.19	17.88	0.56
M1.1	3373.309	T500	30.38	48.9	50.21	49.98	50.43	0.011396	2.11	14.43	16.79	0.72
M1.1	3363.159	T500	30.38	48.8	49.89	49.88	50.26	0.022308	2.7	11.24	15.04	1
M1.1	3353.316	T500	30.38	48.7	49.9		50.08	0.008183	1.86	16.3	17.69	0.62
M1.1	3343.407	T500	30.38	48.6	49.84		50	0.006585	1.77	17.17	16.84	0.56
M1.1	3334.826	T500	30.38	48.4	49.52	49.52	49.88	0.022547	2.68	11.34	15.51	1
M1.1	3322.684	T500	30.38	48.2	49.28	49.17	49.54	0.014898	2.26	13.42	17.36	0.82
M1.1	3314.098	T500	30.38	48	49.05	49.05	49.37	0.023493	2.53	11.99	18.48	1
M1.1	3304.27	T500	30.38	47.8	48.63	48.73	49.06	0.04168	2.93	10.38	19.92	1.29
M1.1	3293.992	T500	30.38	47.6	48.64	48.5	48.84	0.012121	1.99	15.48	24.25	0.74
M1.1	3283.216	T500	30.38	47.4	48.55		48.72	0.008832	1.83	16.7	21.96	0.64
M1.1	3273.8	T500	30.38	47.2	48.49		48.64	0.007128	1.69	18.2	24.1	0.57
M1.1	3263.57	T500	30.38	47	48.13	48.13	48.5	0.023131	2.68	11.35	15.58	1
M1.1	3253.709	T500	30.38	46.8	47.47	47.66	48.13	0.053772	3.61	8.42	14.04	1.49
M1.1	3243.381	T500	30.38	46.6	47.75	47.43	47.91	0.007361	1.8	16.88	18	0.59
M1.1	3233.802	T500	30.38	46.4	47.74		47.85	0.00384	1.45	20.92	18.77	0.44
M1.1	3203.961	T500	30.38	46.2	47.68		47.81	0.003886	1.59	19.16	13.64	0.43
M1.1	3193.447	T500	30.38	46	47.22	47.22	47.69	0.022001	3.04	9.99	10.71	1.01
M1.1	3183.791	T500	30.38	45.7	47.02	46.94	47.46	0.017942	2.92	10.39	9.66	0.9
M1.1	3173.284	T500	30.38	45.4	47.03		47.27	0.008653	2.17	13.98	12.02	0.64
M1.1	3164.085	T500	30.38	45	46.78	46.78	47.14	0.024659	2.66	11.4	15.82	1
M1.1	3153.542	T500	30.38	44.7	46.74	45.94	46.86	0.004489	1.56	19.63	19.22	0.46
M1.1	3144.062	T500	30.38	44.4	46.77		46.82	0.001004	0.99	31.85	25.48	0.24
M1.1	3133.849	T500	30.38	44.1	46.77	45.11	46.81	0.000591	0.82	41.8	38.06	0.18
M1.1	3075		Culvert									
M1.1	3072.899	T500	30.38	44	45.06	45.06	45.46	0.02228	2.77	10.96	14.03	1
M1.1	3062.108	T500	30.38	43.8	44.49	44.67	45.08	0.054675	3.39	8.99	17.9	1.49
M1.1	3052.49	T500	30.38	43.6	44.58	44.48	44.81	0.014869	2.13	14.45	22.68	0.81
M1.1	3042.163	T500	30.38	43.4	44.34	44.34	44.62	0.023933	2.32	13.19	25.95	0.99
M1.1	3031.857	T500	30.38	43.2	43.88	43.97	44.3	0.036399	2.9	10.61	19.85	1.23

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	3022.098	T500	30.38	42.8	43.58	43.64	43.98	0.029014	2.78	11.1	18.84	1.12
M1.1	3013.05	T500	30.38	42.6	43.32	43.38	43.69	0.033611	2.7	11.3	21.58	1.17
M1.1	3002.772	T500	30.38	42.4	43.28	43.1	43.43	0.010053	1.75	17.41	24.93	0.67
M1.1	2992.554	T500	30.38	42.2	42.97	42.97	43.27	0.024208	2.4	12.63	21.65	1.01
M1.1	2982.503	T500	30.38	42	42.69	42.71	43.01	0.026695	2.5	12.17	21.18	1.05
M1.1	2972.468	T500	30.38	41.8	42.54	42.41	42.73	0.012987	1.91	15.92	23.99	0.75
M1.1	2962.351	T500	30.38	41.6	42.41		42.6	0.012339	1.92	15.85	22.89	0.74
M1.1	2952.718	T500	30.38	41.4	42.33		42.49	0.009319	1.8	17.59	27.19	0.65
M1.1	2912.656	T500	30.38	41.2	42.14	42.1	42.35	0.021088	2.04	14.95	31.05	0.91
M1.1	2902.402	T500	30.38	41	41.82	41.82	42.11	0.024631	2.37	12.81	22.72	1.01
M1.1	2892.402	T500	30.38	40.8	41.36	41.47	41.78	0.043309	2.88	10.94	25.07	1.31
M1.1	2882.145	T500	30.38	40.6	41.4	41.21	41.53	0.009503	1.6	19.03	29.99	0.64
M1.1	2872.544	T500	30.38	40.4	41.14	41.14	41.39	0.019622	2.26	14.44	30.11	0.92
M1.1	2862.351	T500	30.38	40.2	41.05	40.93	41.22	0.010809	1.86	17.8	33.33	0.7
M1.1	2851.887	T500	30.38	40	40.76	40.76	41.05	0.022828	2.41	12.96	23.29	0.99
M1.1	2841.933	T500	30.38	39.8	40.56	40.5	40.79	0.017904	2.15	14.21	24.02	0.87
M1.1	2832.253	T500	30.38	39.6	40.32	40.32	40.58	0.02529	2.26	13.43	26.11	1.01
M1.1	2828.13	T500	30.38	39.4	39.95	40.08	40.42	0.048906	3.04	10	20.43	1.39
M1.1	2822.788	T500	30.38	39.2	40.06	39.87	40.24	0.010809	1.91	15.91	21	0.69
M1.1	2813.021	T500	30.38	39	40.06		40.15	0.004659	1.35	22.51	26.61	0.47
M1.1	2802.871	T500	30.38	38.8	39.96		40.09	0.006576	1.59	19.15	22.97	0.55
M1.1	2752.505	T500	30.38	38.6	39.95		40.03	0.003025	1.36	24.3	25.72	0.4
M1.1	2743.916	T500	30.38	38.4	39.88		40	0.004435	1.61	20.5	22.66	0.48
M1.1	2732.66	T500	30.38	38.2	39.59	39.45	39.9	0.015418	2.46	12.34	13.92	0.83
M1.1	2722.865	T500	30.38	38	39.22	39.22	39.7	0.022191	3.06	9.92	10.39	1
M1.1	2712.499	T500	30.38	37.9	39.01	39.01	39.46	0.022151	2.98	10.19	11.37	1.01
M1.1	2702.724	T500	30.38	37.8	38.72	38.81	39.2	0.032487	3.07	9.89	14.48	1.19
M1.1	2697.476	T500	30.38	37.7	38.77	38.7	39.03	0.0172	2.26	13.52	20.71	0.87
M1.1	2692.444	T500	30.38	37.6	38.75		38.94	0.010902	1.92	16.76	27.69	0.7
M1.1	2682.707	T500	30.38	37.5	38.57	38.48	38.81	0.015051	2.17	14.39	23.5	0.82
M1.1	2673.088	T500	30.38	37.4	38.39	38.32	38.65	0.016763	2.26	13.52	20.88	0.85
M1.1	2662.723	T500	30.38	37.3	38.42		38.53	0.004231	1.46	21.82	27.89	0.46
M1.1	2653.331	T500	30.38	37.2	38.36		38.48	0.005201	1.56	20.41	27.06	0.51
M1.1	2642.493	T500	30.38	37.1	38.26		38.41	0.007632	1.73	18.42	28.89	0.6
M1.1	2632.005	T500	30.38	37	38	37.91	38.28	0.01924	2.32	13.07	19.68	0.91
M1.1	2622.006	T500	30.38	36.9	38		38.13	0.006436	1.62	18.8	20.83	0.54
M1.1	2612.999	T500	30.38	36.8	37.88		38.06	0.009936	1.88	16.14	20.32	0.67
M1.1	2603.182	T500	30.38	36.7	37.77		37.95	0.010602	1.92	15.81	20.31	0.7
M1.1	2594.222	T500	30.38	36.6	37.66		37.86	0.011433	1.96	15.91	23.38	0.72
M1.1	2581.947	T500	30.38	36.5	37.56		37.73	0.008814	1.8	17.26	24.29	0.64
M1.1	2572.639	T500	30.38	36.4	37.53		37.65	0.005517	1.56	20.1	25.93	0.52
M1.1	2563.037	T500	30.38	36.3	37.45		37.59	0.00687	1.65	19.46	28.95	0.57
M1.1	2552.327	T500	30.38	36.2	37.47		37.52	0.002791	1.1	33.3	55.78	0.37
M1.1	2542.687	T500	30.38	36.1	37.34		37.47	0.006692	1.64	19.17	23.73	0.56
M1.1	2532.698	T500	30.38	36	37.01	37.01	37.34	0.022891	2.53	12.03	18.72	1

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	2523.033	T500	30.38	35.8	36.88	36.75	37.09	0.011776	2.11	15.48	23.45	0.74
M1.1	2513.232	T500	30.38	35.6	36.91		36.99	0.00367	1.28	27.51	46	0.42
M1.1	2502.594	T500	30.38	35.4	36.86		36.95	0.003668	1.38	23.13	23.76	0.42
M1.1	2492.368	T500	30.38	35.2	36.64		36.88	0.008409	2.17	14.01	11.43	0.63
M1.1	2482.542	T500	30.38	35	36.48		36.77	0.012894	2.39	12.68	12.49	0.76
M1.1	2471.76	T500	30.38	34.8	36.53		36.65	0.00372	1.56	19.45	14.1	0.42
M1.1	2461.926	T500	30.38	34.6	35.98	35.92	36.54	0.021946	3.32	9.16	7.38	0.95
M1.1	2451.778	T500	30.38	34.4	35.96		36.3	0.012641	2.6	11.74	11.8	0.75
M1.1	2442.596	T500	30.38	34.2	36.03		36.18	0.00463	1.71	18.9	22.57	0.49
M1.1	2432.418	T500	30.38	34	36.09		36.13	0.001005	0.88	43.51	54.08	0.23
M1.1	2421.842	T500	30.38	33.9	36.08		36.12	0.000776	0.88	39.28	42.27	0.21
M1.1	2412.756	T500	30.38	33.8	36.08		36.11	0.000552	0.77	47.79	43.87	0.18
M1.1	2402.823	T500	30.38	33.7	36.09		36.1	0.000277	0.57	79.96	101.3	0.13
M1.1	2391.973	T500	30.38	33.6	36.09		36.1	0.000265	0.55	83.63	111.21	0.12
M1.1	2382.314	T500	30.38	33.5	36.05		36.09	0.000746	0.88	38.15	33.89	0.21
M1.1	2372.971	T500	30.38	33.4	36.05		36.08	0.000466	0.73	45.08	31.99	0.17
M1.1	2362.691	T500	30.38	33.3	36.06		36.07	0.000186	0.53	63.11	36.72	0.11
M1.1	2351.7	T500	30.38	33.2	36.06	33.88	36.07	0.000089	0.38	88.74	54.95	0.08
M1.1	2350		Culvert									
M1.1	2324.139	T500	30.38	33	34.01		34.31	0.014599	2.45	12.38	13.14	0.81
M1.1	2310.999	T500	30.38	32.8	34.08		34.2	0.007254	1.56	19.9	32.01	0.57
M1.1	2302.743	T500	30.38	32.6	33.73	33.73	34.09	0.016615	2.68	12.07	20.84	0.87
M1.1	2283.075	T500	30.38	32.4	33	33.23	33.72	0.091883	3.75	8.09	19.39	1.85
M1.1	2272.322	T500	30.38	32.2	33	32.92	33.19	0.015846	1.96	15.83	29.64	0.82
M1.1	2261.596	T500	30.38	32	32.96		33.06	0.006658	1.5	23.68	44.8	0.55
M1.1	2251.821	T500	30.38	31.8	32.78		32.97	0.012124	2.01	16.76	28.8	0.74
M1.1	2241.291	T500	30.38	31.6	32.67		32.85	0.010958	1.92	17.24	30.68	0.71
M1.1	2231.333	T500	30.38	31.4	32.57		32.74	0.009251	1.86	17.44	28.74	0.65
M1.1	2222.375	T500	30.38	31.2	32.54		32.67	0.005463	1.57	20.52	31.1	0.51
M1.1	2211.831	T500	30.38	31	32.25	32.25	32.55	0.022134	2.41	12.91	24.76	0.96
M1.1	2201.761	T500	30.38	30.8	32.09	31.64	32.2	0.005539	1.49	20.41	24.41	0.51
M1.1	2161.506	T500	30.38	30.6	31.82	31.82	32.09	0.024153	2.3	13.31	26.48	0.99
M1.1	2151.341	T500	30.38	30.4	31.46	31.51	31.81	0.028632	2.62	11.61	19.81	1.09
M1.1	2141.82	T500	30.38	30.2	31.38	30.92	31.44	0.002518	1.16	29.49	37.8	0.36
M1.1	2131.872	T500	30.38	30	31.4		31.41	0.000509	0.58	68.97	94.1	0.17
M1.1	2121.333	T500	30.38	29.8	31.39		31.41	0.00065	0.69	62.74	100.51	0.19
M1.1	2111.577	T500	30.38	29.6	31.37		31.4	0.000852	0.8	53	89.1	0.22
M1.1	2102.159	T500	30.38	29.35	31.24		31.37	0.004963	1.58	19.52	22.92	0.49
M1.1	2091.793	T500	30.38	29.3	31.27		31.32	0.001821	1.32	40.97	73.86	0.31
M1.1	2081.509	T500	30.38	29.25	31.26		31.3	0.001387	1.12	43.08	69.52	0.28
M1.1	2061.651	T500	30.38	29.2	31.25		31.28	0.001309	0.97	39.21	41.5	0.24
M1.1	2052.211	T500	30.38	29.15	31.24		31.27	0.000977	0.91	42.24	44.44	0.23
M1.1	2042.666	T500	30.38	29.1	31.25		31.26	0.000414	0.63	67.97	81.76	0.16
M1.1	2031.74	T500	30.38	29.05	31.25		31.26	0.000139	0.39	142.7	217.96	0.09
M1.1	2021.425	T500	30.38	29	31.25		31.26	0.000056	0.26	219.55	317.73	0.06

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	2012.765	T500	30.38	28.95	31.25		31.25	0.000127	0.41	103.81	96.24	0.09
M1.1	1992.014	T500	30.38	28.9	31.25		31.25	0.000135	0.41	106.17	111.39	0.09
M1.1	1981.821	T500	30.38	28.85	31.25		31.25	0.000065	0.29	153.23	156.85	0.06
M1.1	1972.156	T500	30.38	28.8	31.25		31.25	0.000097	0.37	106.07	80.83	0.08
M1.1	1961.863	T500	30.38	28.75	31.25		31.25	0.000051	0.27	148.95	115.17	0.06
M1.1	1951.905	T500	30.38	28.7	31.24		31.25	0.000113	0.39	99.22	87.06	0.09
M1.1	1942.167	T500	30.38	28.65	31.24		31.25	0.000084	0.28	131.47	127.07	0.07
M1.1	1931.978	T500	30.38	28.6	31.11		31.23	0.003262	1.7	24.77	42.19	0.39
M1.1	1922.011	T500	30.38	28.55	30.94	30.94	31.17	0.010102	2.51	18.12	36.88	0.6
M1.1	1911.271	T500	30.38	28.5	29.68	30.03	30.85	0.06792	4.79	6.34	7.61	1.68
M1.1	1901.997	T500	30.38	28.45	30.47	29.42	30.55	0.00178	1.2	25.6	34.11	0.3
M1.1	1892.401	T500	30.38	28.4	30.51		30.52	0.00039	0.63	73.28	100.81	0.15
M1.1	1882.227	T500	30.38	28.35	30.48		30.51	0.001373	0.8	42.93	65.44	0.25
M1.1	1871.896	T500	30.38	28.3	30.27	30.27	30.46	0.019008	2.03	17.28	49.17	0.85
M1.1	1862.094	T500	30.38	28.25	29.55	29.14	29.56	0.001008	0.63	66.94	154.18	0.22
M1.1	1851.598	T500	30.38	28.2	29.48		29.54	0.002918	1.1	28.94	39.42	0.37
M1.1	1842.262	T500	30.38	28.1	29.45		29.5	0.004831	1.1	35.41	102.06	0.44
M1.1	1831.971	T500	30.38	28	29.43		29.46	0.002727	0.85	43.9	107.22	0.34
M1.1	1822.473	T500	30.38	27.85	29.38		29.43	0.002559	1.25	36.81	79.61	0.36
M1.1	1811.844	T500	30.38	27.7	29.31		29.4	0.003611	1.26	24.16	27.56	0.42
M1.1	1801.644	T500	30.38	27.6	29.27		29.36	0.00399	1.29	23.52	26.41	0.44
M1.1	1792.249	T500	30.38	27.5	29.19		29.31	0.005158	1.52	20.3	26.7	0.5
M1.1	1781.618	T500	30.38	27.4	29.03		29.22	0.01159	1.96	15.48	20.52	0.72
M1.1	1732.378	T500	30.38	27.1	29.05		29.15	0.002437	1.4	21.68	12.56	0.34
M1.1	1722.173	T500	30.38	27	28.49	28.49	29.05	0.022545	3.32	9.15	8.18	1
M1.1	1712.794	T500	30.38	26.85	28.7	28.03	28.76	0.001516	1.2	32.58	34.18	0.3
M1.1	1702.199	T500	30.38	26.7	28.69	28.03	28.73	0.001749	0.9	35.83	41.15	0.29
M1.1	1700		Culvert									
M1.1	1672.633	T500	30.38	26.5	28.36		28.37	0.000375	0.57	63.66	69.13	0.15
M1.1	1651.928	T500	30.38	26.1	28.36		28.37	0.000103	0.36	105.05	114.77	0.08
M1.1	1641.896	T500	30.38	25.9	28.34	26.84	28.37	0.00061	0.74	41	24.7	0.18
M1.1	1640		Culvert									
M1.1	1553.866	T500	30.38	24.7	25.53	25.61	26.02	0.031309	3.08	9.86	13.7	0.18
M1.1	1540.87	T500	30.38	24.4	25.51	25.51	25.65	0.030092	1.64	18.93	76.48	0.99
M1.1	1531.655	T500	30.38	24.1	24.48	24.67	25.12	0.108127	3.57	8.52	24.91	1.95
M1.1	1514.895	T500	30.38	23.8	24.13	24.18	24.39	0.045271	2.24	13.55	41.06	1.25
M1.1	1502.812	T500	30.38	23.5	23.89	23.89	24.08	0.027991	1.94	15.66	41.3	1.01
M1.1	1483.101	T500	30.38	23.2	23.83	23.47	23.85	0.001989	0.72	42.33	68.04	0.29
M1.1	1461.05	T500	30.38	22.9	23.77		23.81	0.003385	0.97	31.27	47.82	0.38
M1.1	1442.689	T500	30.38	22.6	23.68		23.77	0.004325	1.33	22.76	25.63	0.45
M1.1	1402.347	T500	30.38	22.2	23.71		23.74	0.000883	0.78	39.13	29.95	0.22
M1.1	1381.269	T500	30.38	22	23.22	23.22	23.67	0.023095	2.97	10.25	11.44	1
M1.1	1360.404	T500	30.38	21.9	22.71	22.86	23.27	0.050089	3.33	9.12	16.38	1.42
M1.1	1343.888	T500	30.38	21.8	22.52	22.22	22.57	0.004662	1.04	29.26	51.59	0.44
M1.1	1320.496	T500	30.38	21.6	22.55		22.55	0.000223	0.3	99.61	112.92	0.1

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	1287.82	T500	30.38	21.4	22.55		22.55	0.00007	0.19	162.95	162.94	0.06
M1.1	1283.234	T500	30.38	21.2	22.55		22.55	0.000035	0.15	207.67	176.1	0.04
M1.1	1274.97	T500	30.38	21	22.55		22.55	0.000045	0.16	195.98	183.72	0.05
M1.1	1264.063	T500	30.38	20.8	22.55		22.55	0.000018	0.13	238.99	166.58	0.03
M1.1	1244.591	T500	30.38	20.7	22.55		22.55	0.000017	0.13	252.61	186.57	0.03
M1.1	1233.829	T500	30.38	20.6	22.55		22.55	0.000018	0.14	244.57	183.24	0.03
M1.1	1222.552	T500	30.38	20.2	22.55		22.55	0.000013	0.13	268.51	193.23	0.03
M1.1	1209.331	T500	30.38	20.1	22.55		22.55	0.000016	0.15	239.59	164.21	0.03
M1.1	1183.459	T500	30.38	20	22.27	22.27	22.52	0.024535	2.24	13.99	29.8	0.97
M1.1	1172.786	T500	30.38	19.9	21.75	21.06	21.86	0.006136	1.47	20.93	29.48	0.52
M1.1	1161.379	T500	30.38	19.8	21.81		21.82	0.000179	0.34	92.65	90.27	0.1
M1.1	1142.871	T500	30.38	19.7	21.81		21.82	0.000147	0.39	109.51	122.24	0.09
M1.1	1132.302	T500	30.38	19.6	21.81		21.82	0.000135	0.39	114.96	134.65	0.09
M1.1	1124.376	T500	30.38	19.5	21.81		21.82	0.00013	0.38	95.47	90.19	0.09
M1.1	1113.297	T500	30.38	19.4	21.81		21.81	0.000089	0.35	97.96	70.76	0.07
M1.1	1098.059	T500	30.38	19.3	21.62		21.79	0.006649	1.84	16.52	14.83	0.56
M1.1	1089.744	T500	30.38	19.2	21.19	21.19	21.67	0.0227	3.07	9.91	10.48	1.01
M1.1	1062.797	T500	30.38	19.1	20.45	19.49	20.46	0.000537	0.5	60.67	62.49	0.16
M1.1	1052.499	T500	30.38	19	20.33		20.44	0.007334	1.43	22.05	42.22	0.56
M1.1	1043.086	T500	30.38	18.9	20.15	20.15	20.32	0.018472	1.92	17.59	52.59	0.86
M1.1	1032.8	T500	30.38	18.6	20.12	19.36	20.17	0.002123	0.99	30.79	31.48	0.32
M1.1	1023.849	T500	30.38	18.4	20.11		20.15	0.00134	0.85	35.62	32.12	0.26
M1.1	1012.25	T500	30.38	18.2	20.1		20.13	0.001477	0.84	36.11	35.16	0.26
M1.1	999.558	T500	30.38	18.1	20.01		20.1	0.003061	1.32	23.25	31.72	0.38
M1.1	990.276	T500	30.38	18	19.49	19.49	20	0.022048	3.17	9.6	9.4	1
M1.1	981.81	T500	30.38	17.9	19.49	18.75	19.56	0.002379	1.18	25.66	21.62	0.35
M1.1	972.082	T500	30.38	17.6	19.38		19.52	0.004217	1.67	18.2	12.72	0.45
M1.1	961.725	T500	30.38	17.5	19.28		19.47	0.006415	1.89	16.05	13.39	0.55
M1.1	952.595	T500	30.38	17.4	19.26		19.41	0.004525	1.72	17.64	13.4	0.48
M1.1	940.389	T500	30.38	17.3	19.28		19.35	0.001997	1.12	27.2	22.2	0.32
M1.1	926.812	T500	30.38	17.2	19.07		19.28	0.006834	2.07	14.69	11.32	0.58
M1.1	919.919	T500	30.38	17.1	19.06		19.23	0.005107	1.8	16.9	13.15	0.51
M1.1	909.679	T500	30.38	17	19.03		19.17	0.004428	1.67	18.23	13.18	0.45
M1.1	901.426	T500	30.38	16.9	19.07		19.13	0.001686	1.08	28.04	20.04	0.29
M1.1	888.871	T500	30.38	16.79	19.02		19.1	0.002099	1.23	24.79	17.51	0.33
M1.1	880.296	T500	30.38	16.62	18.98		19.08	0.002111	1.4	21.75	11.62	0.33
M1.1	868.788	T500	30.38	16.5	18.51		18.99	0.017835	3.06	9.94	7.27	0.83
M1.1	851.304	T500	30.38	16.4	18.74		18.84	0.00214	1.39	21.84	12.29	0.33
M1.1	841.353	T500	30.38	16.25	18.75		18.81	0.001346	1.07	28.3	17.7	0.27
M1.1	830.599	T500	30.38	16.15	18.21	18.21	18.72	0.029473	3.18	9.55	9.39	1.01
M1.1	819.769	T500	30.38	16.05	18.21	17.17	18.3	0.002165	1.35	22.49	13.74	0.34
M1.1	812.111	T500	30.38	16	18.24		18.28	0.000756	0.87	35.03	18.39	0.2
M1.1	800.963	T500	30.38	15.9	18.23		18.27	0.000831	0.9	34.09	24.21	0.21
M1.1	791.614	T500	30.38	15.8	18.23	16.6	18.26	0.000697	0.66	48.84	58.72	0.19
M1.1	790		Culvert									

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

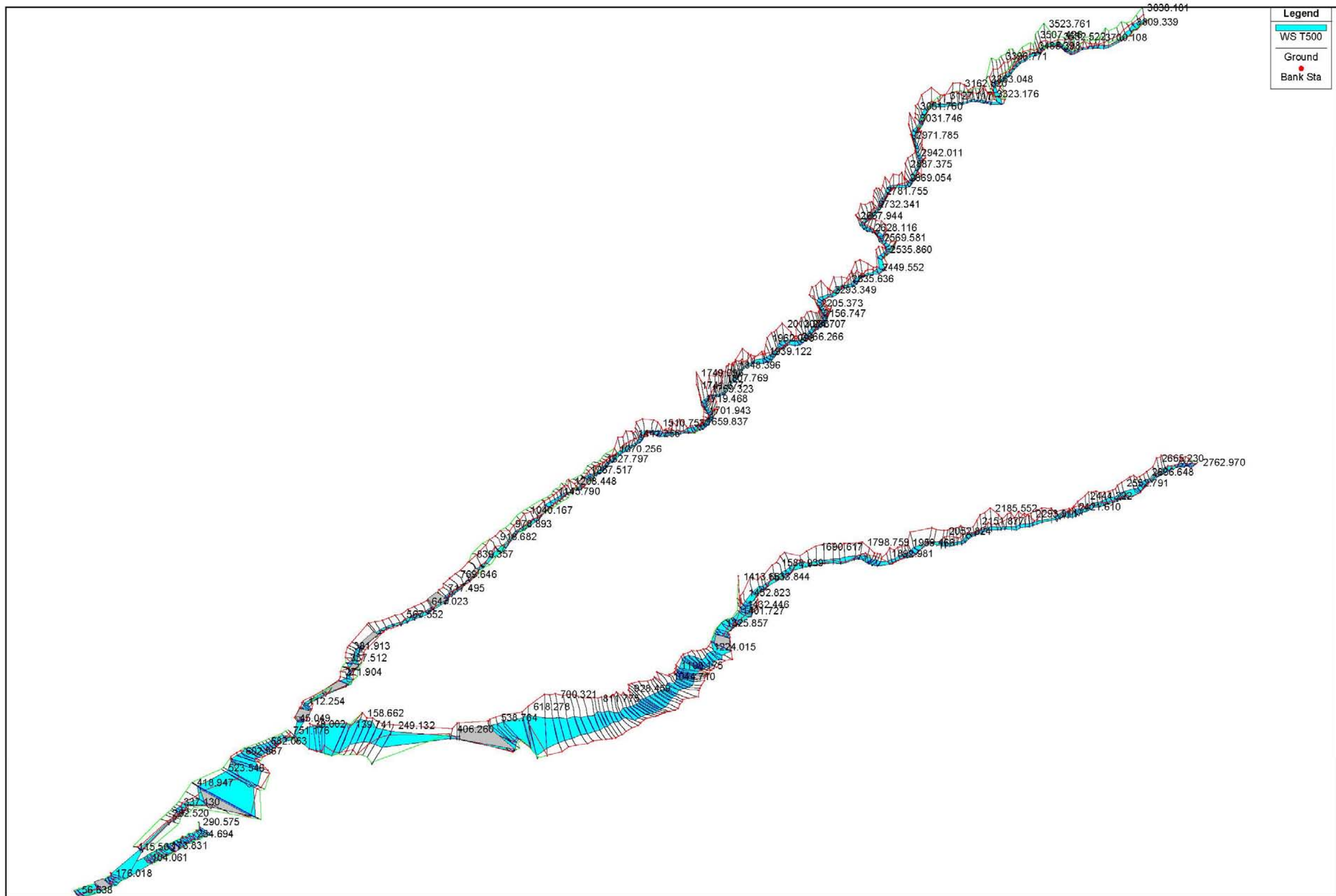
Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
M1.1	770.883	T500	30.38	15	17.09		17.5	0.006984	2.86	11.13	7.24	0.63
M1.1	760.344	T500	30.38	14.95	17.01		17.43	0.007257	2.88	11.17	8.07	0.64
M1.1	752.609	T500	30.38	14.9	16.93		17.37	0.007798	2.95	10.72	7.22	0.66
M1.1	742.1	T500	30.38	14.85	16.85		17.28	0.007839	2.94	11.24	9.86	0.66
M1.1	731.877	T500	30.38	14.8	16.98		17.15	0.003534	2.09	21.47	31.22	0.45
M1.1	722.518	T500	30.38	14.75	16.8		17.1	0.005931	2.59	15.49	23.67	0.58
M1.1	712.791	T500	30.38	14.7	16.95		17	0.001397	1.34	41.52	68.63	0.29
M1.1	701.36	T500	30.38	14.65	16.94		16.98	0.000915	1.15	51.6	93.02	0.24
M1.1	691.207	T500	30.38	14.6	16.95		16.97	0.000452	0.79	81.35	140.5	0.16
M1.1	681.388	T500	30.38	14.55	16.82		16.95	0.002602	1.84	23.55	26.79	0.39
M1.1	672.129	T500	30.38	14.5	16.8		16.92	0.002472	1.81	25.02	32.05	0.38
M1.1	661	T500	30.38	14.45	16.52		16.86	0.006294	2.69	13.73	16.9	0.6
M1.1	650.557	T500	30.38	14.4	16.52		16.78	0.004957	2.42	15.97	17.66	0.53
M1.1	642.106	T500	30.38	14.35	16.49		16.73	0.004516	2.33	16.7	17.64	0.51
M1.1	631.603	T500	30.38	14.3	16.46		16.68	0.004109	2.24	17.51	17.72	0.49
M1.1	621.958	T500	30.38	14.25	16.33		16.62	0.005539	2.54	14.96	16.79	0.56
M1.1	612.296	T500	30.38	14.2	16.28		16.57	0.005583	2.54	14.87	16.52	0.56
M1.1	601.65	T500	30.38	14.15	16	15.89	16.47	0.009809	3.12	11.09	13.16	0.73
M1.1	581.969	T500	30.38	14	15.98		16.36	0.007501	2.85	12.42	13.34	0.65
M1.1	562.819	T500	30.38	13.9	15.84	15.49	16.27	0.008344	2.97	11.65	13.03	0.68
M1.1	541.59	T500	30.38	13.8	16.04		16.13	0.001905	1.56	29.51	34.56	0.33
M1.1	521.488	T500	30.38	13.7	15.54	15.3	16.04	0.010392	3.2	10.6	13.27	0.75
M1.1	502.951	T500	30.38	13.6	15.58		15.92	0.006813	2.72	14.65	24.15	0.62
M1.1	481.658	T500	30.38	13.5	15.63		15.82	0.00394	2.17	19.93	30.46	0.47
M1.1	462.273	T500	30.38	13.4	15.37		15.75	0.007372	2.82	13.09	17.26	0.64
M1.1	441.866	T500	30.38	13.3	15.33		15.67	0.00662	2.72	13.48	15.49	0.61
M1.1	421.826	T500	30.38	13.2	15.08	14.77	15.58	0.009757	3.15	10.39	9.84	0.73
M1.1	402.929	T500	30.38	13.1	14.7	14.67	15.43	0.017786	3.8	8.08	7.06	0.96
M1.1	383.301	T500	30.38	12.8	14.96		15.2	0.004592	2.36	16.2	16.48	0.51
M1.1	362.459	T500	30.38	12.6	14.9	14.15	15.15	0.004178	2.35	16.95	23.88	0.5
M1.1	360		Culvert									
M1.1	342.249	T500	30.38	12.58	14.52	14.26	14.94	0.014478	2.85	10.64	10.97	0.93
M1.1	333.22	T500	30.38	12.56	14.78		14.81	0.000631	0.72	45.83	44.3	0.19
M1.1	323.121	T500	30.38	12.54	14.78		14.8	0.000961	0.63	62.31	117.51	0.21
M1.1	303.809	T500	30.38	12.52	14.77		14.79	0.00067	0.72	55.03	65.64	0.19
M1.1	293.507	T500	30.38	12.5	14.77		14.78	0.000372	0.55	70.47	74.88	0.14
M1.1	283.724	T500	30.38	12.48	14.77		14.78	0.000155	0.39	95.65	82.55	0.1
M1.1	263.728	T500	30.38	12.46	14.77		14.77	0.000137	0.31	134.06	188.96	0.09
M1.1	243.796	T500	30.38	12.44	14.77		14.77	0.000069	0.27	155.01	151.63	0.06
M1.1	223.635	T500	30.38	12.42	14.77		14.77	0.000108	0.36	116.85	110.05	0.08
M1.1	202.786	T500	30.38	12.4	14.77		14.77	0.00005	0.24	152.63	119.94	0.06
M1.1	183.635	T500	30.38	12.38	14.77		14.77	0.000017	0.16	276.88	224.58	0.03
M1.1	171.777	T500	30.38	12.36	14.76	13.11	14.77	0.000209	0.53	61.7	34.13	0.12
M1.1	170		Culvert									
M1.1	121.599	T500	30.38	12	13.59		13.63	0.001023	0.84	36.23	27.29	0.23

HEC-RAS Plan: Plan 01 River: M1 Reach: M1.1 Profile: T500

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
M1.1	112.324	T500	30.38	11.8	13.6		13.61	0.000345	0.55	63.72	66.16	0.14
M1.1	101.683	T500	30.38	11.6	13.61		13.61	0.000028	0.17	277.81	336.58	0.04
M1.1	91.541	T500	30.38	11.5	13.61	12.34	13.61	0.000045	0.22	227.25	307.29	0.05
M1.1	91		Culvert									
M1.1	41.836	T500	30.38	11.4	12.86		12.88	0.000718	0.61	66.49	113.08	0.19
M1.1	30.855	T500	30.38	11.3	12.82		12.86	0.002092	0.99	40.17	76.17	0.32
M1.1	21.437	T500	30.38	11.2	12.56	12.56	12.8	0.016067	2.36	15.72	34.69	0.85
M1.1	11.58	T500	30.38	11.1	11.63	11.86	12.4	0.12128	4.28	8.57	32.78	2.13
M1.1	1.693	T500	30.38	11	11.92	11.82	12.05	0.010008	1.85	21.03	46.67	0.68

- 3.7.- Cuenca 3. Arroyo Trévez. T=500 años
 - 3.7.1.- Vista 3D arroyo
 - 3.7.2.- Perfil longitudinal
 - 3.7.2.1.- Arroyo Boticario
 - 3.7.2.2.- Arroyo Buenavista
 - 3.7.2.3.- Arroyo Trévez
 - 3.7.2.4.- Arroyo Carambuco
 - 3.7.3.- Perfiles transversales
 - 3.7.3.1.- Arroyo Boticario
 - 3.7.3.2.- Arroyo Buenavista
 - 3.7.3.3.- Arroyo Trévez
 - 3.7.3.4.- Arroyo Carambuco
 - 3.7.4.- Tablas de resultados
 - 3.7.4.1.- Arroyo Boticario
 - 3.7.4.2.- Arroyo Buenavista
 - 3.7.4.3.- Arroyo Trévez
 - 3.7.4.4.- Arroyo Carambuco

3.7.1.- Vista 3D arroyo



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

3.7.2.- Perfil longitudinal

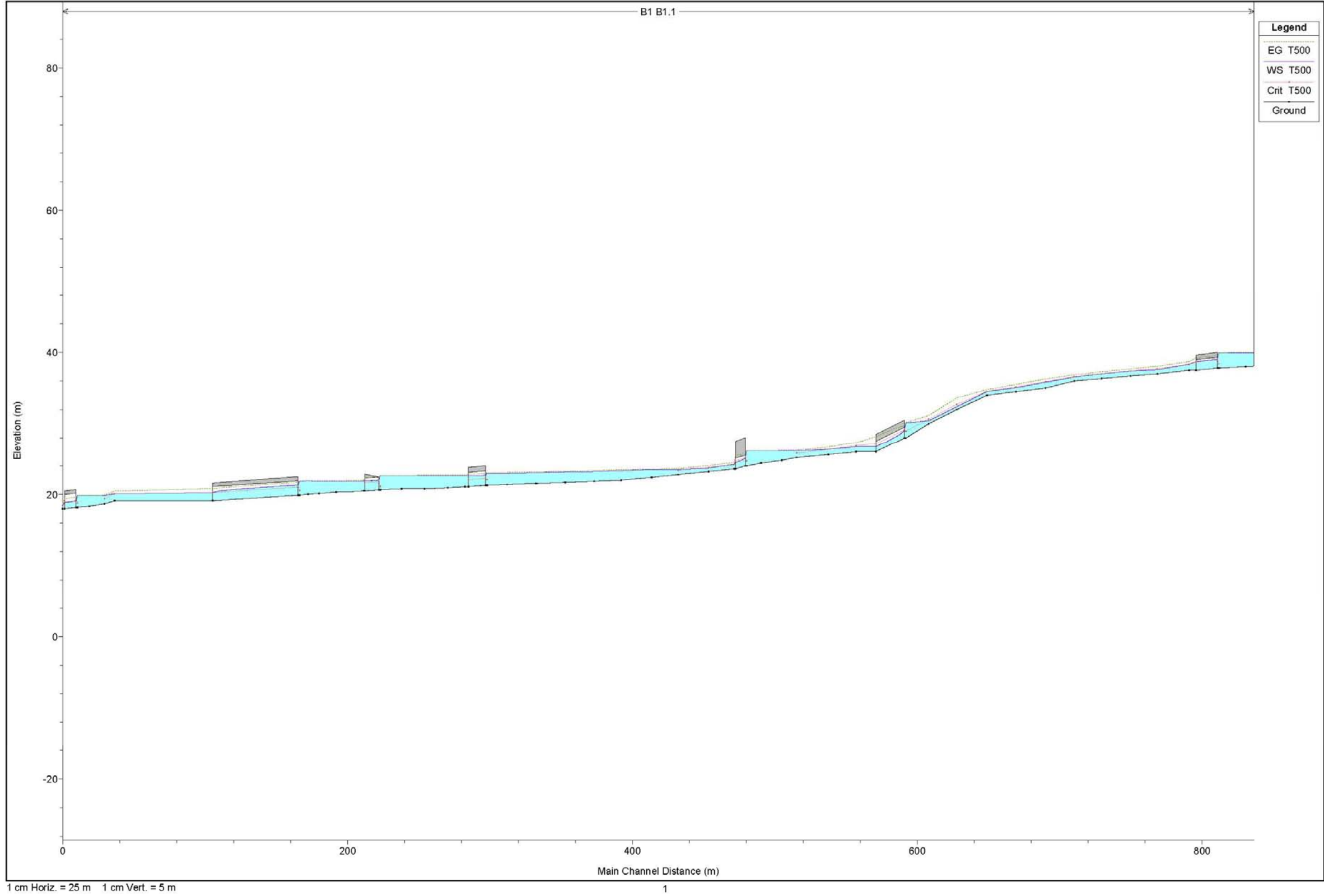
3.7.2.1.- Arroyo Boticario

3.7.2.2.- Arroyo Buenavista

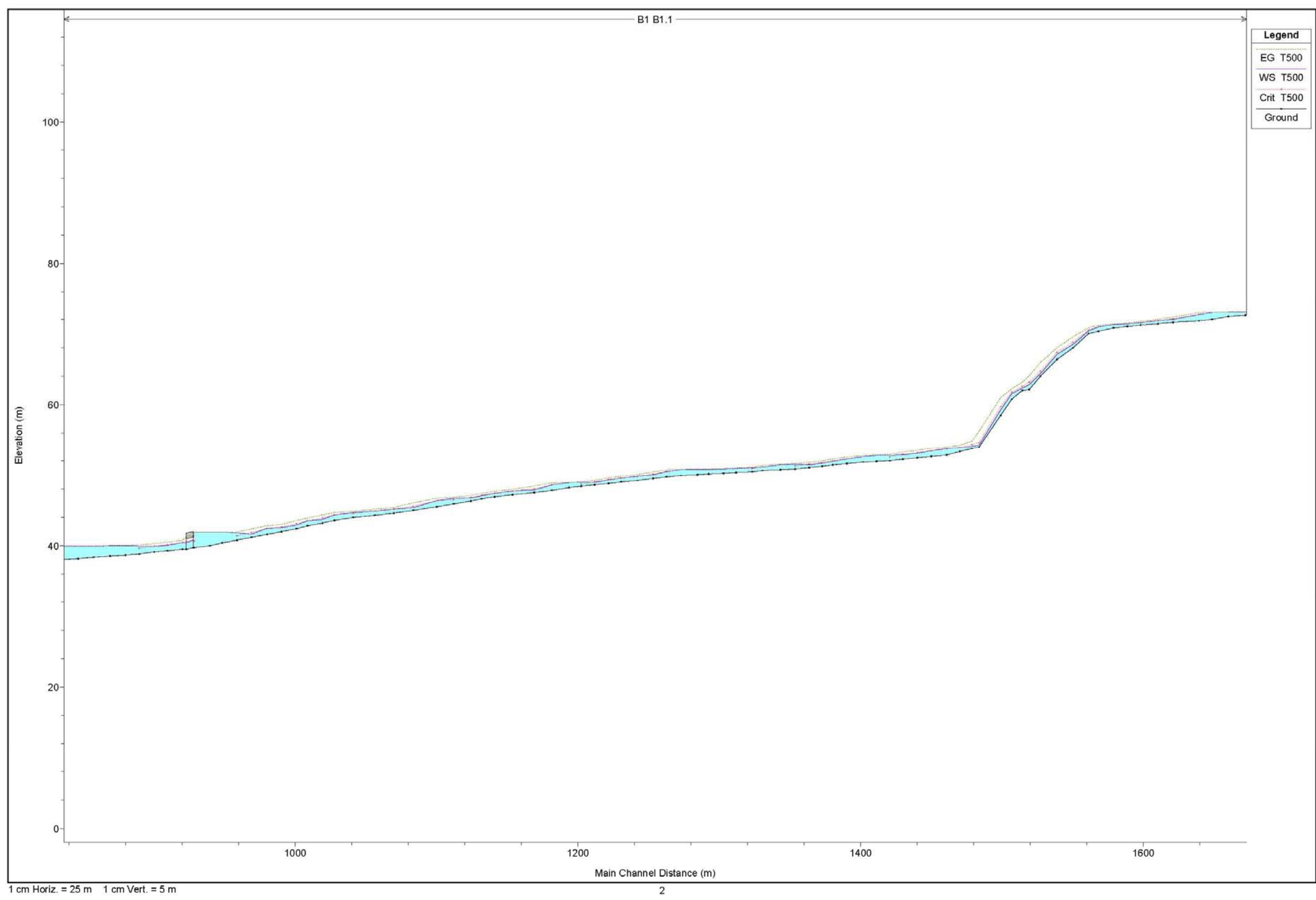
3.7.2.3.- Arroyo Trévez

3.7.2.4.- Arroyo Carambuco

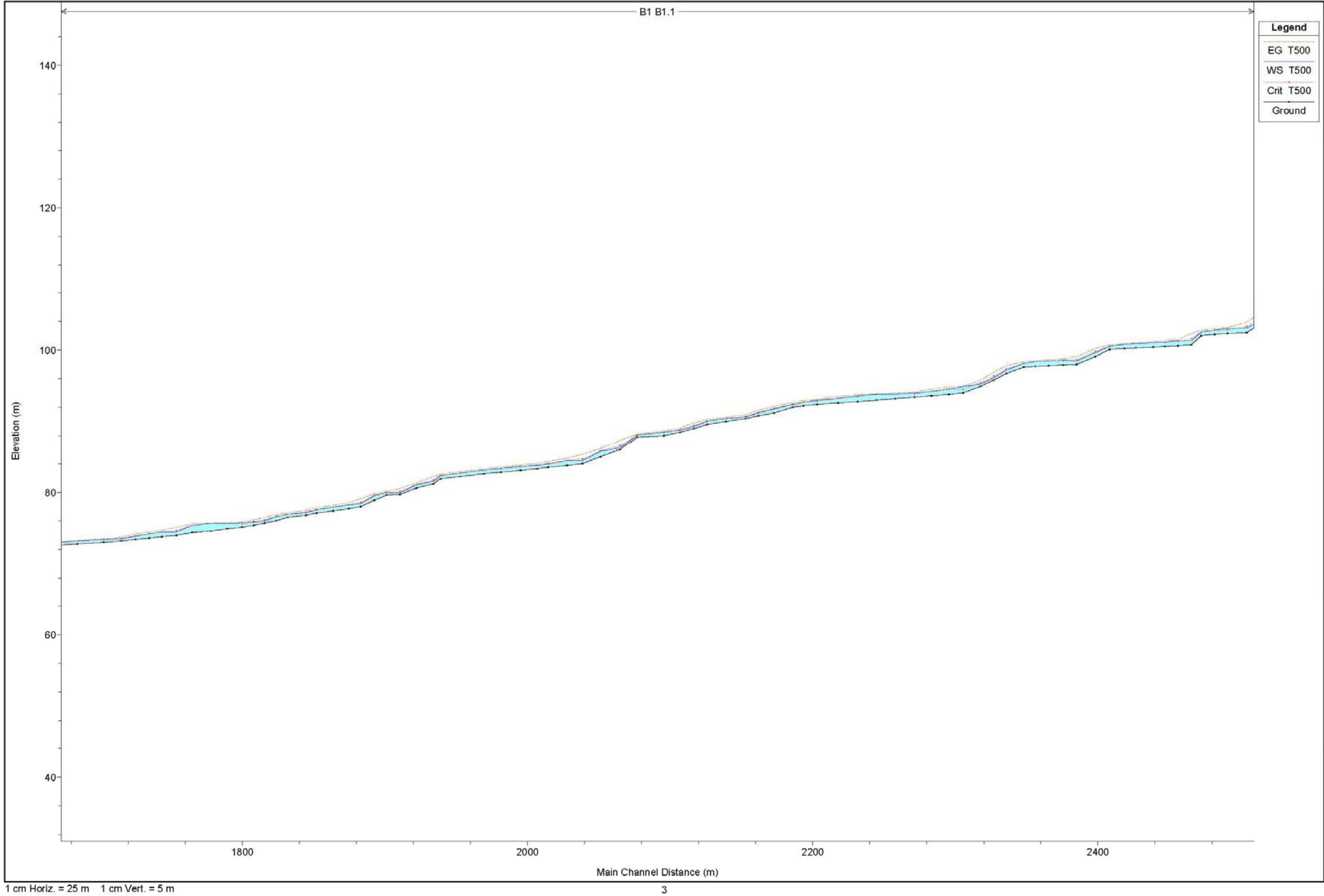
3.7.2.1.- Arroyo Boticario



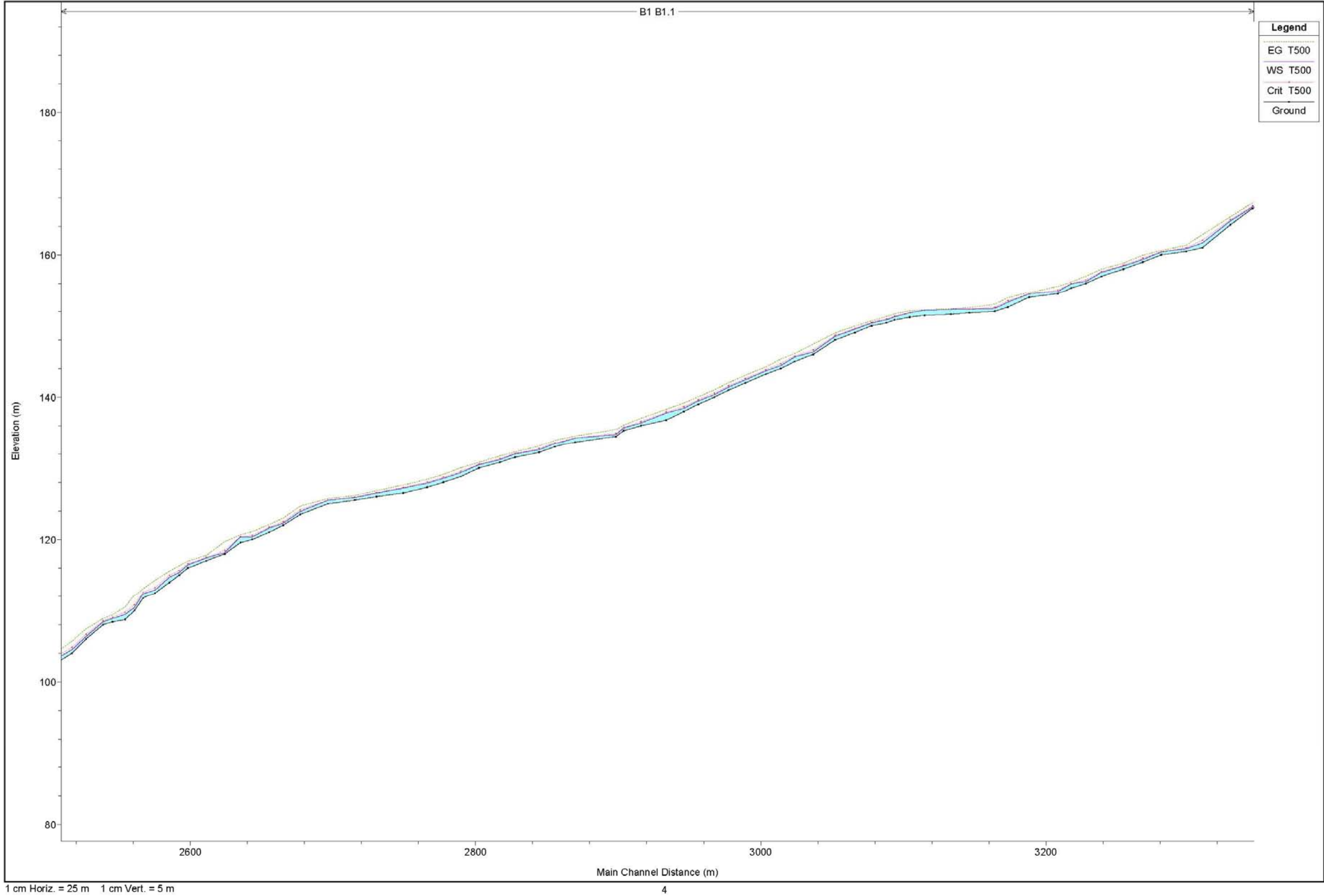
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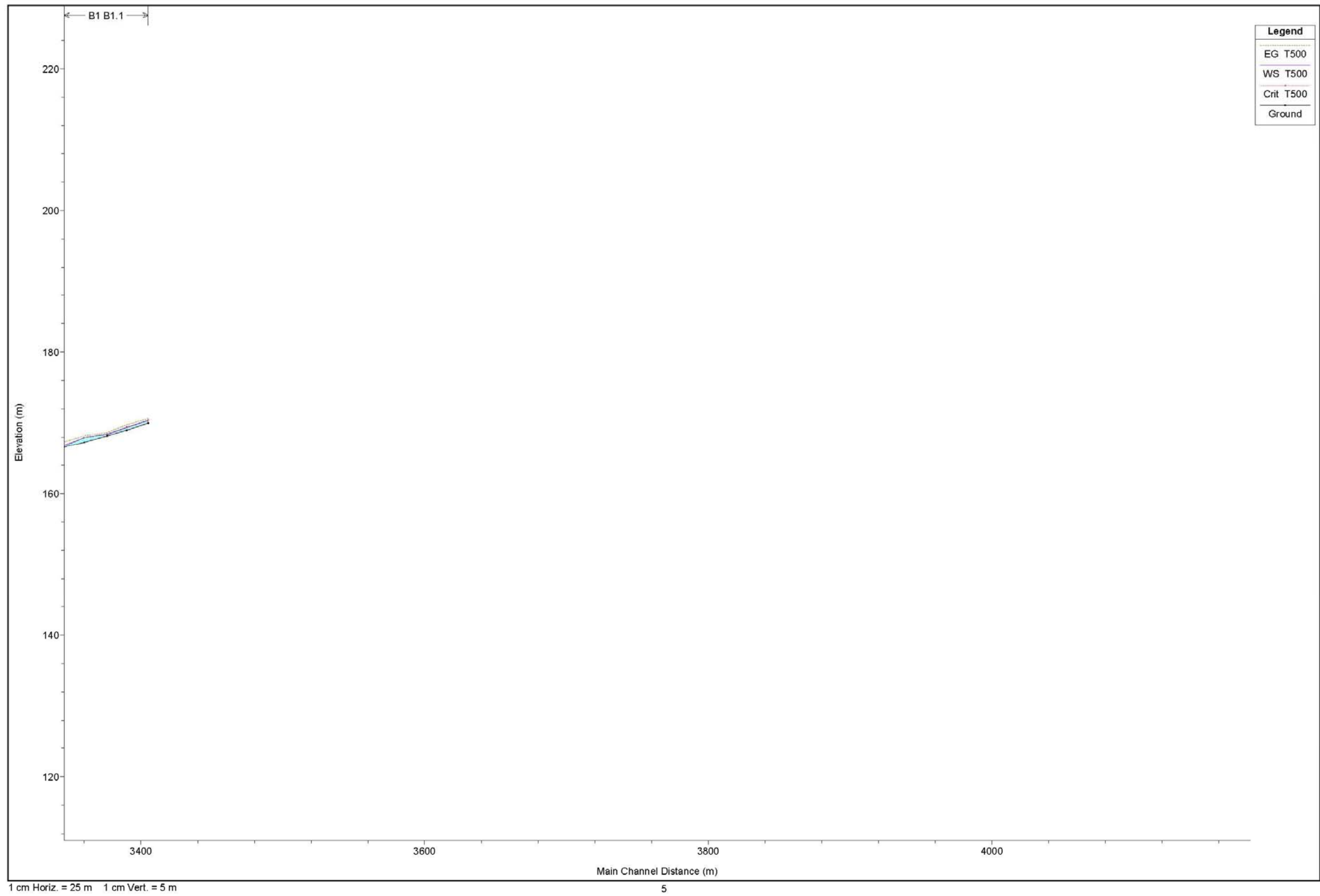
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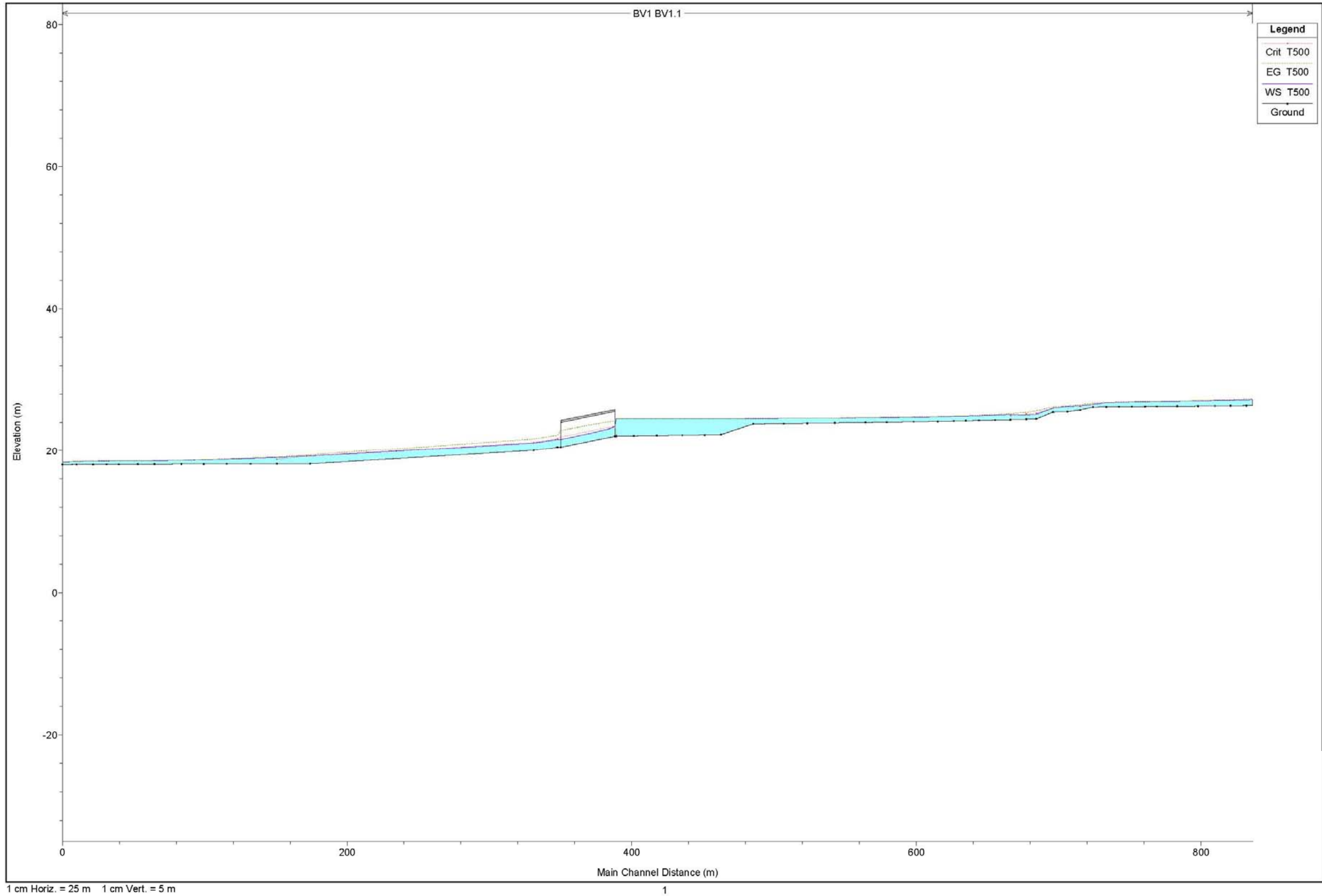
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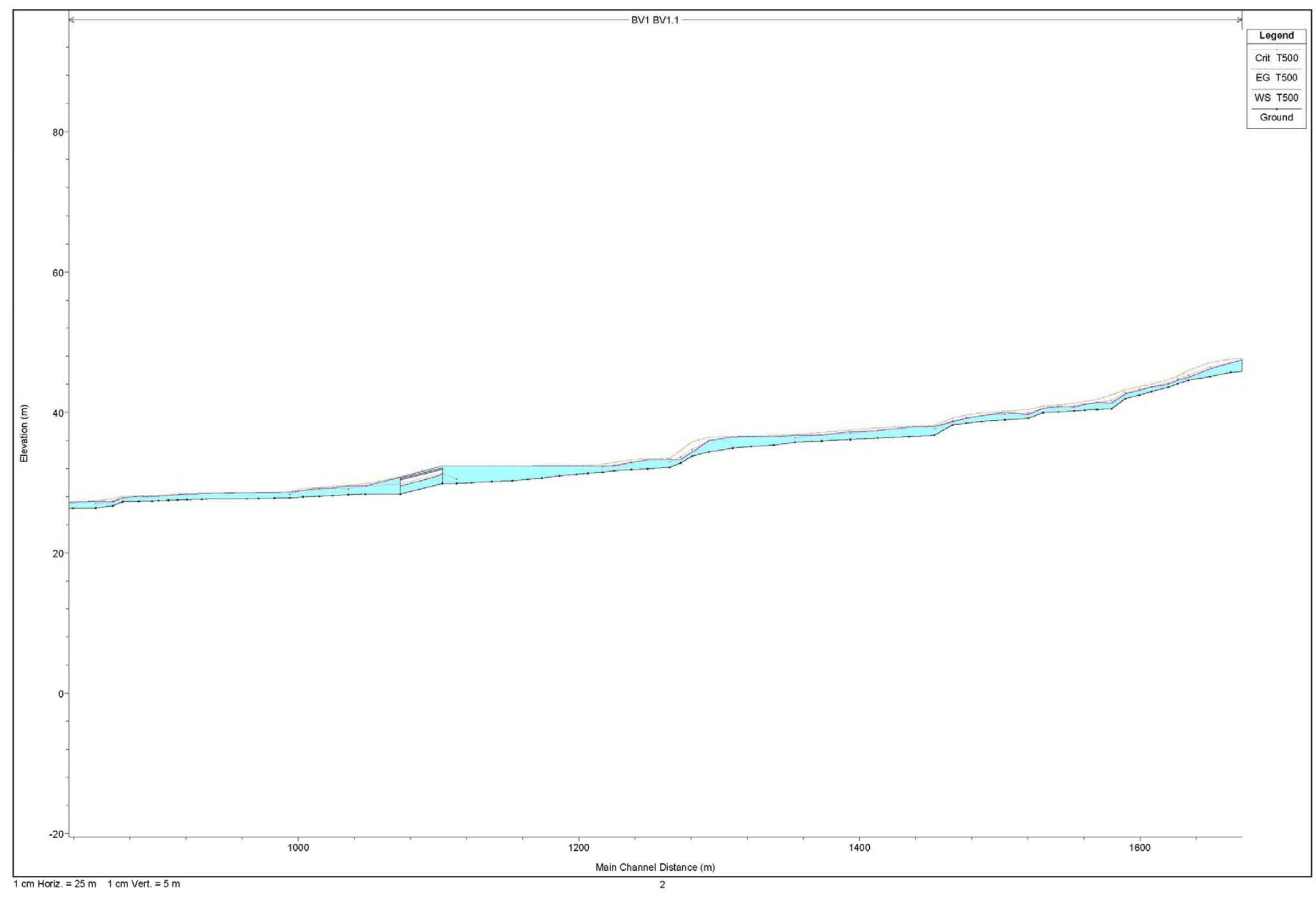
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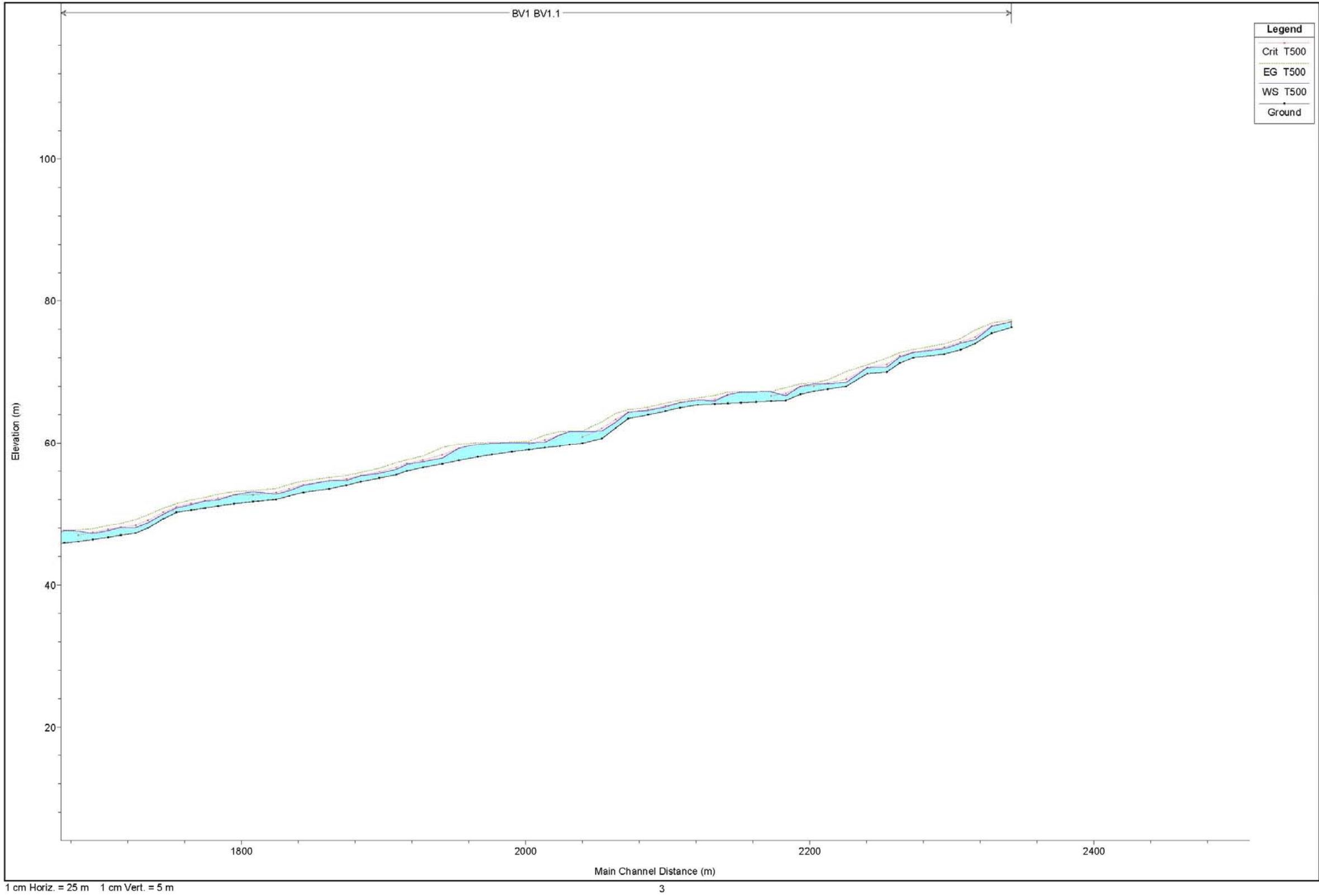
3.7.2.2.- Arroyo Buenavista



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

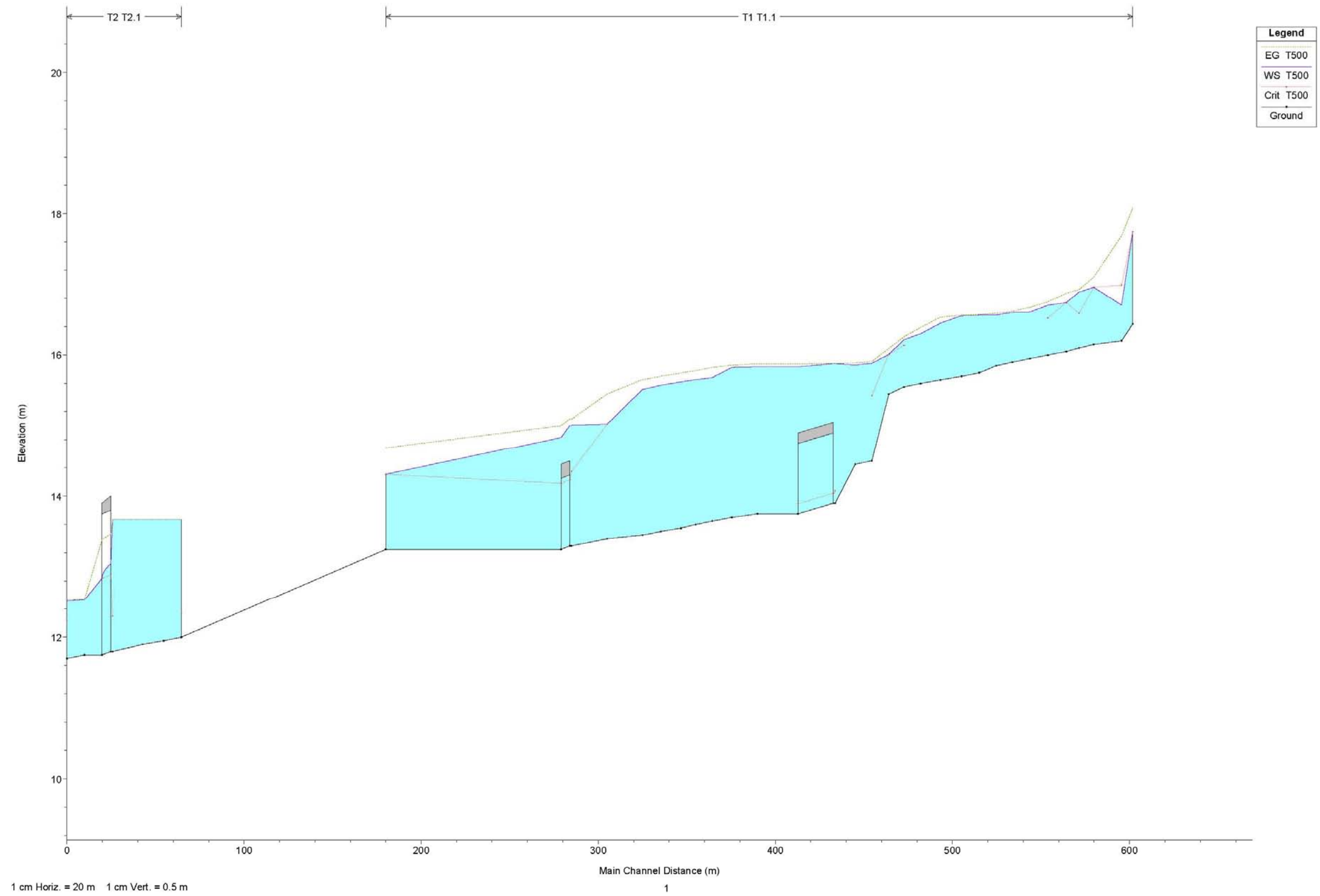


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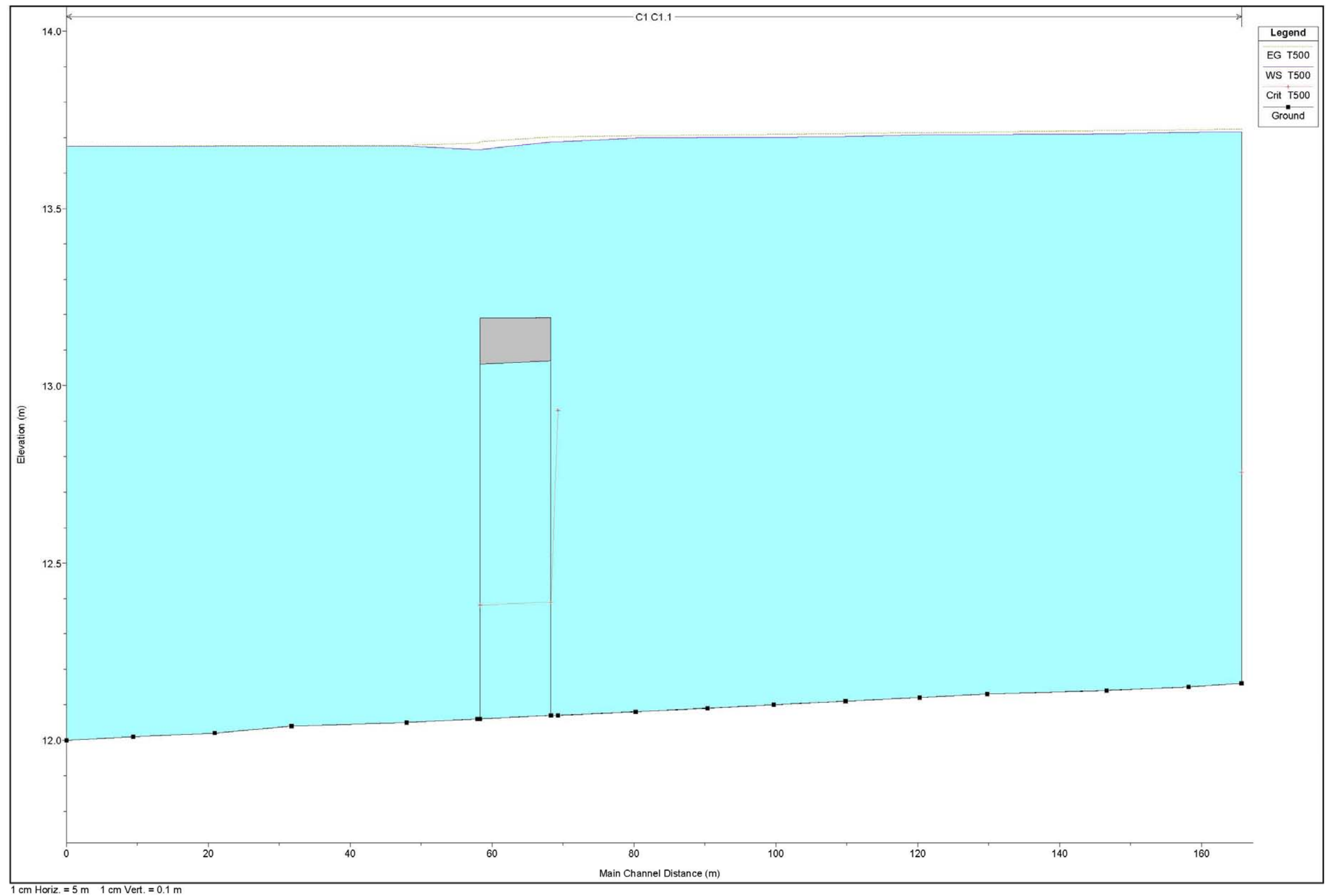


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3.7.2.3.- Arroyo Trévez



3.7.2.4.- Arroyo Carambuco



DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

3.7.3.- Perfiles transversales

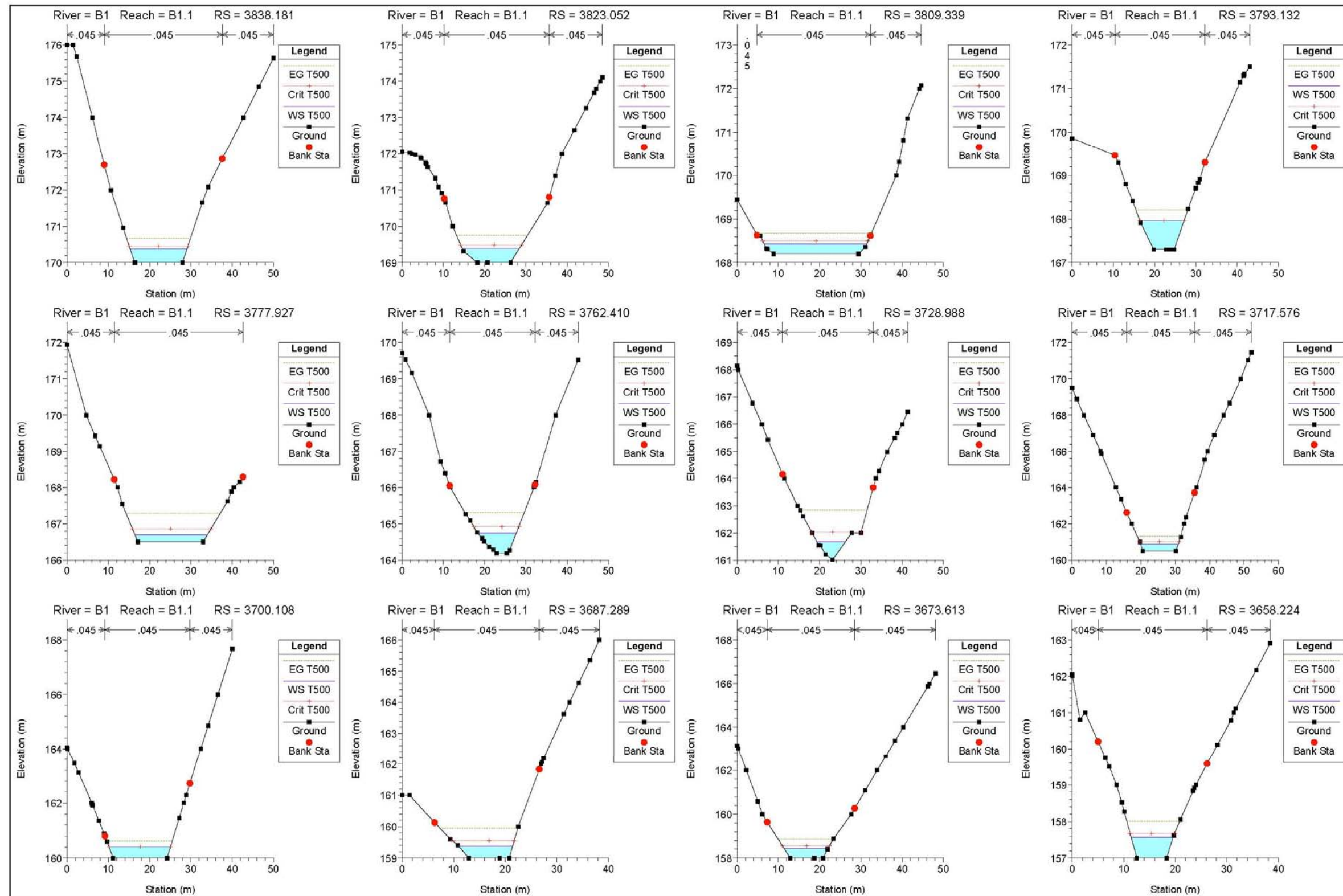
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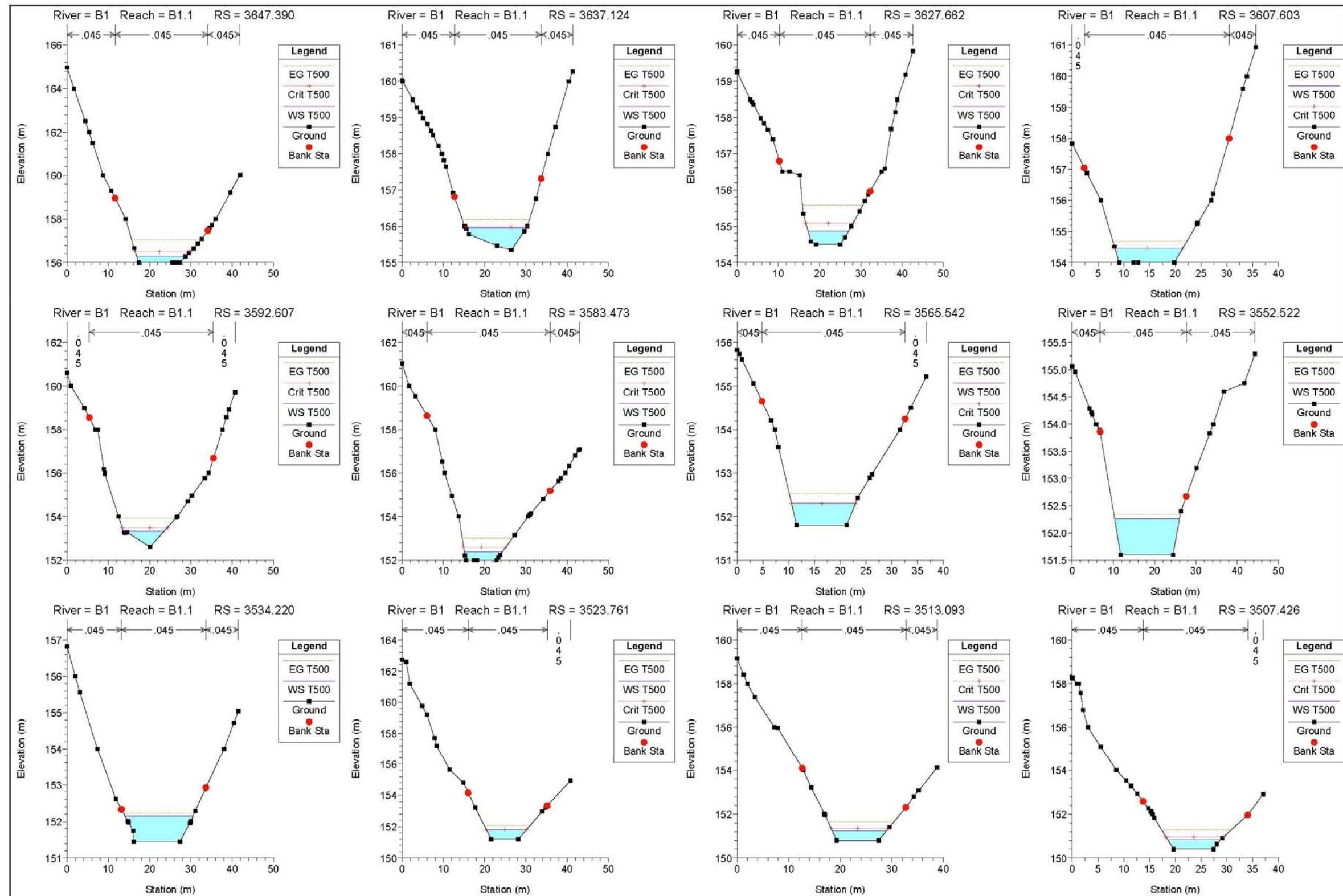
3.7.3.2.- Arroyo Buenavista

3.7.3.3.- Arroyo Trévez

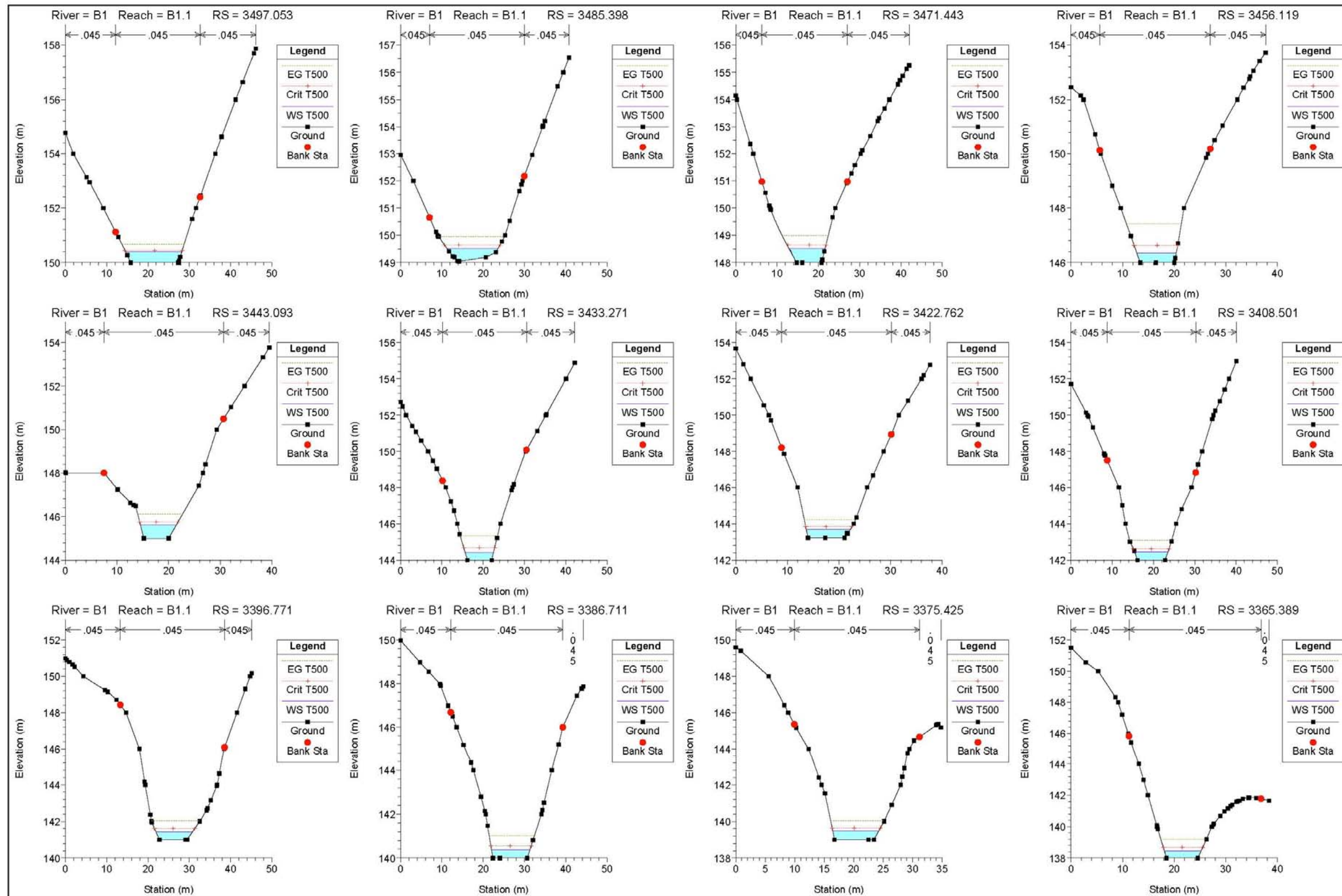
3.7.3.4.- Arroyo Carambuco

3.7.3.1.- Arroyo Boticario

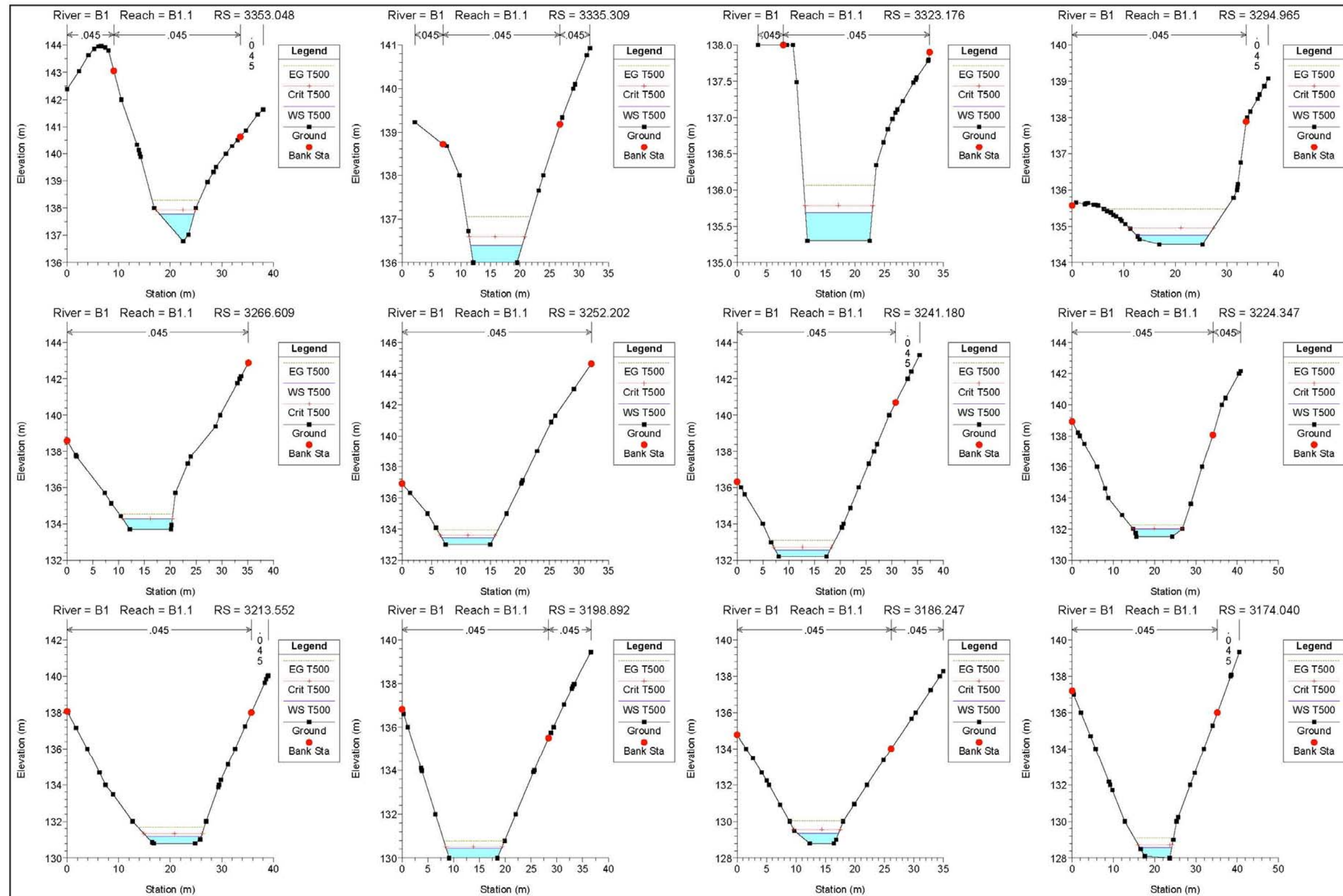




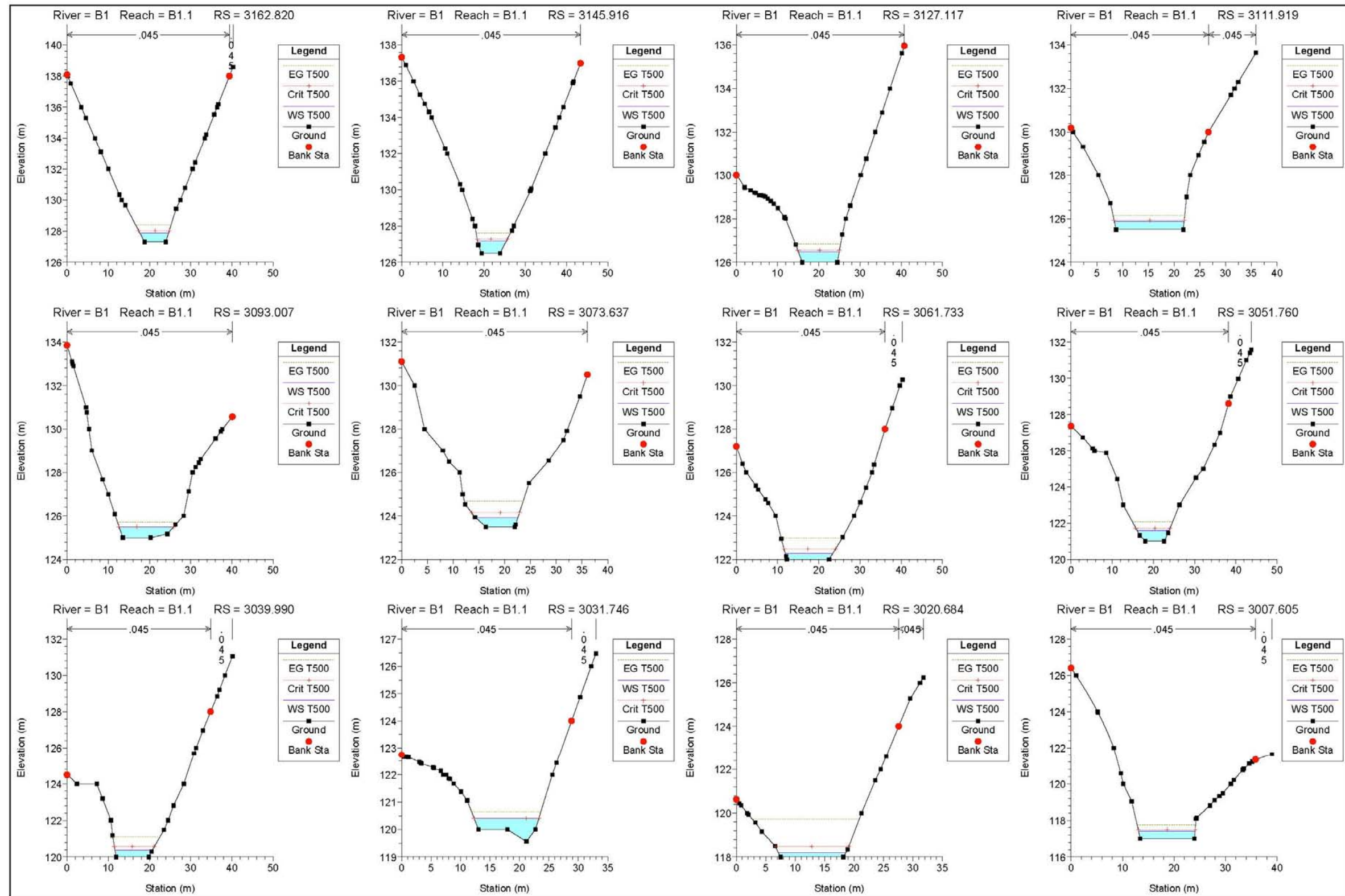
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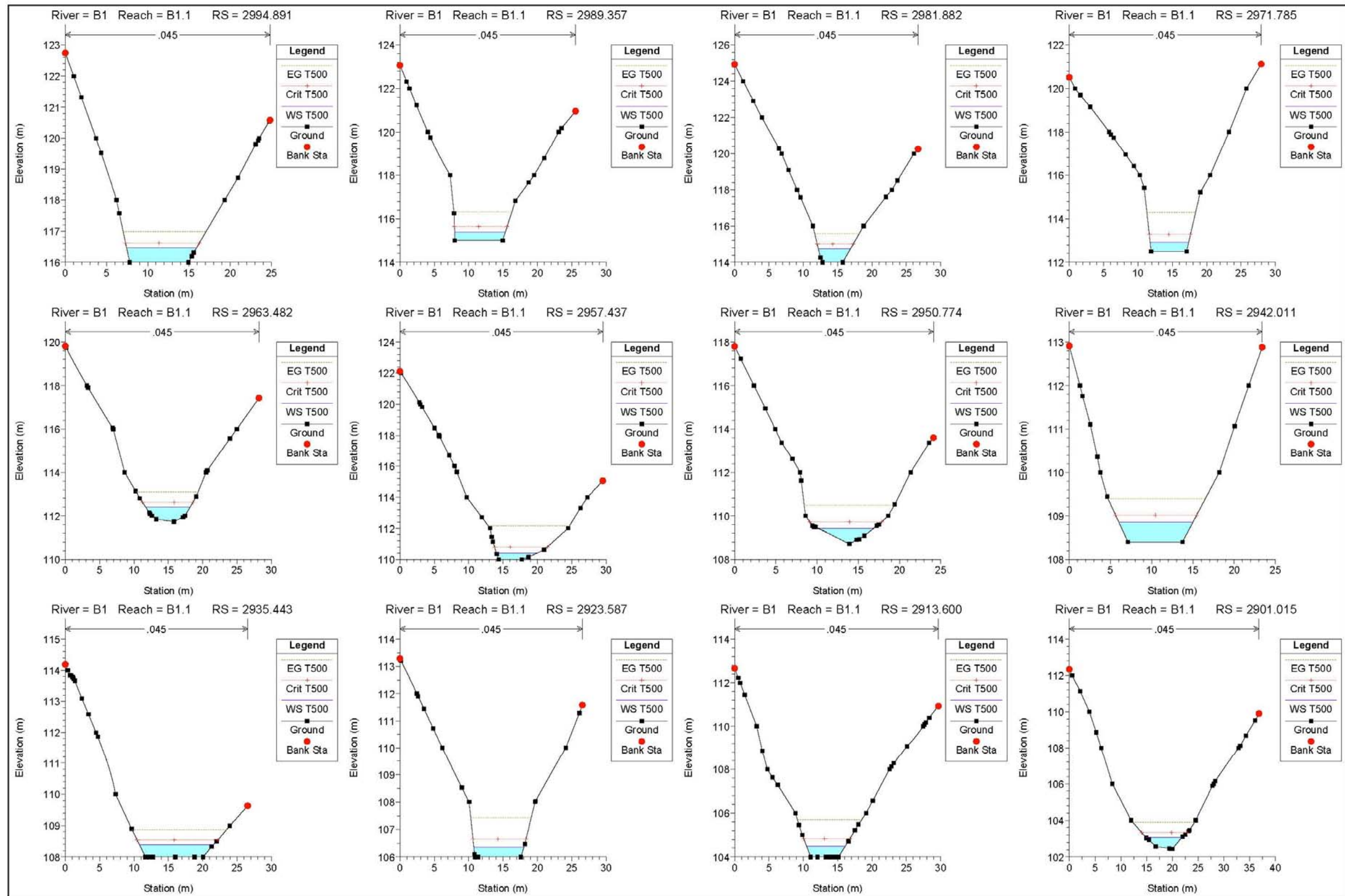
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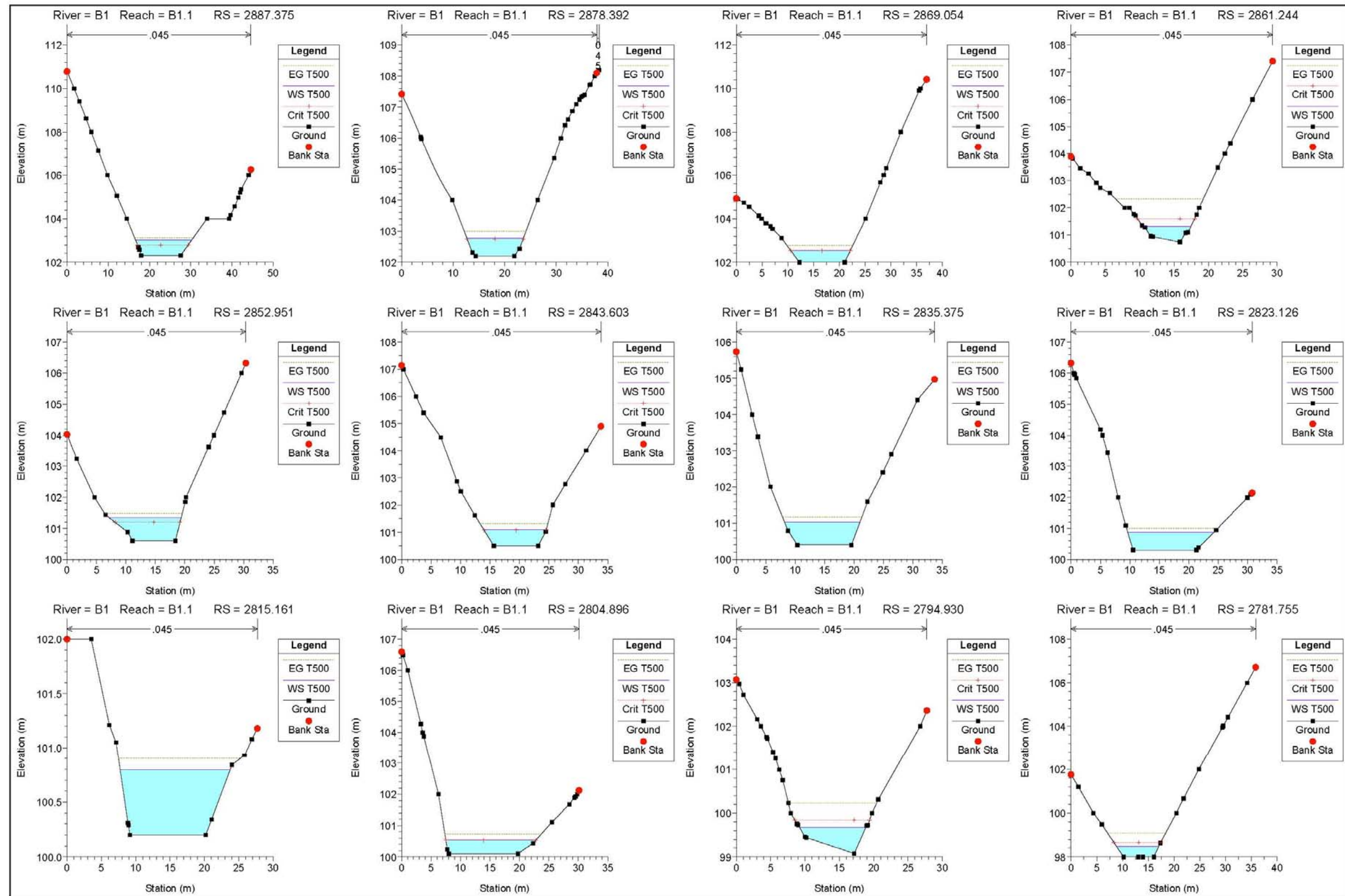
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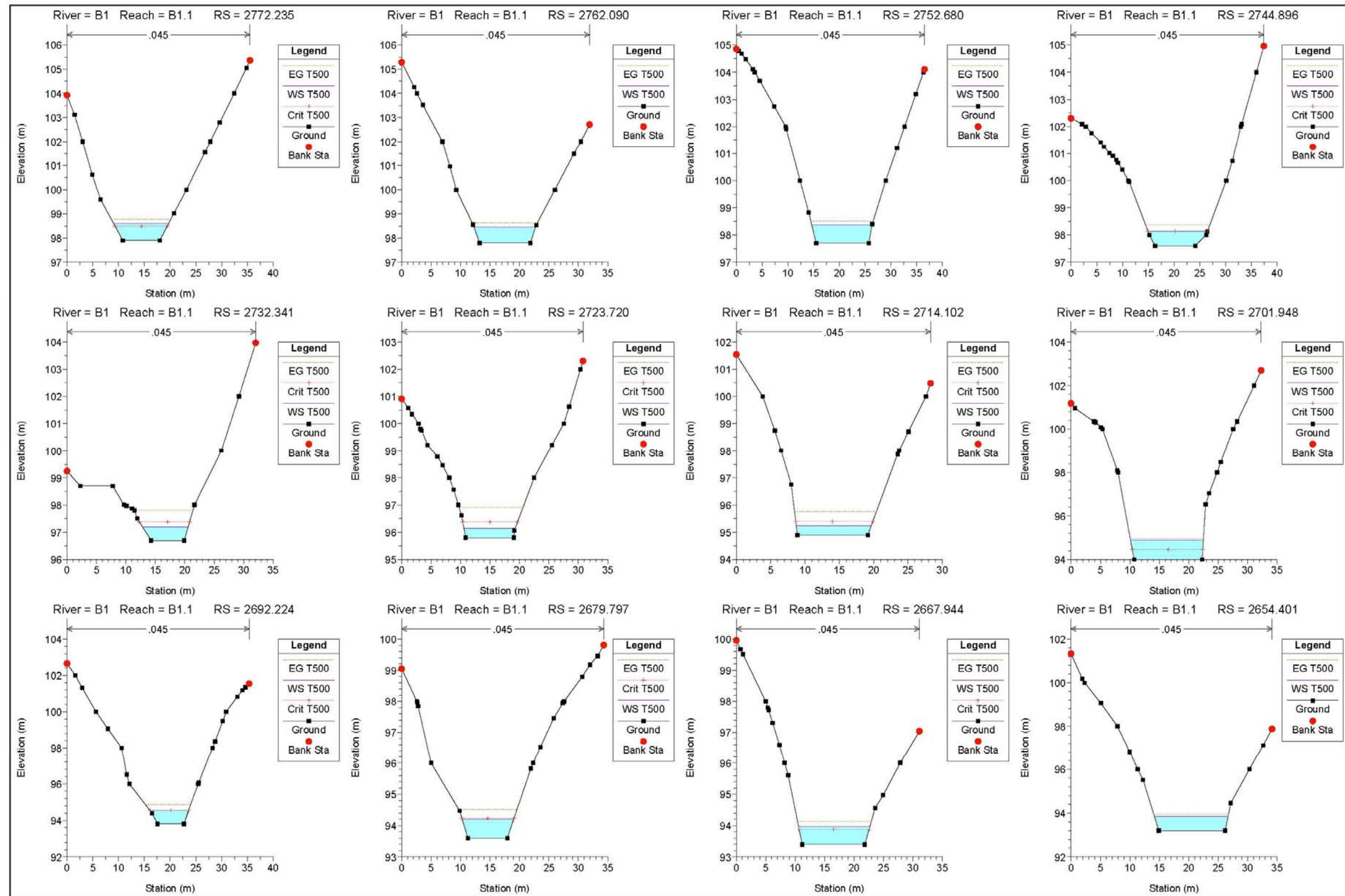
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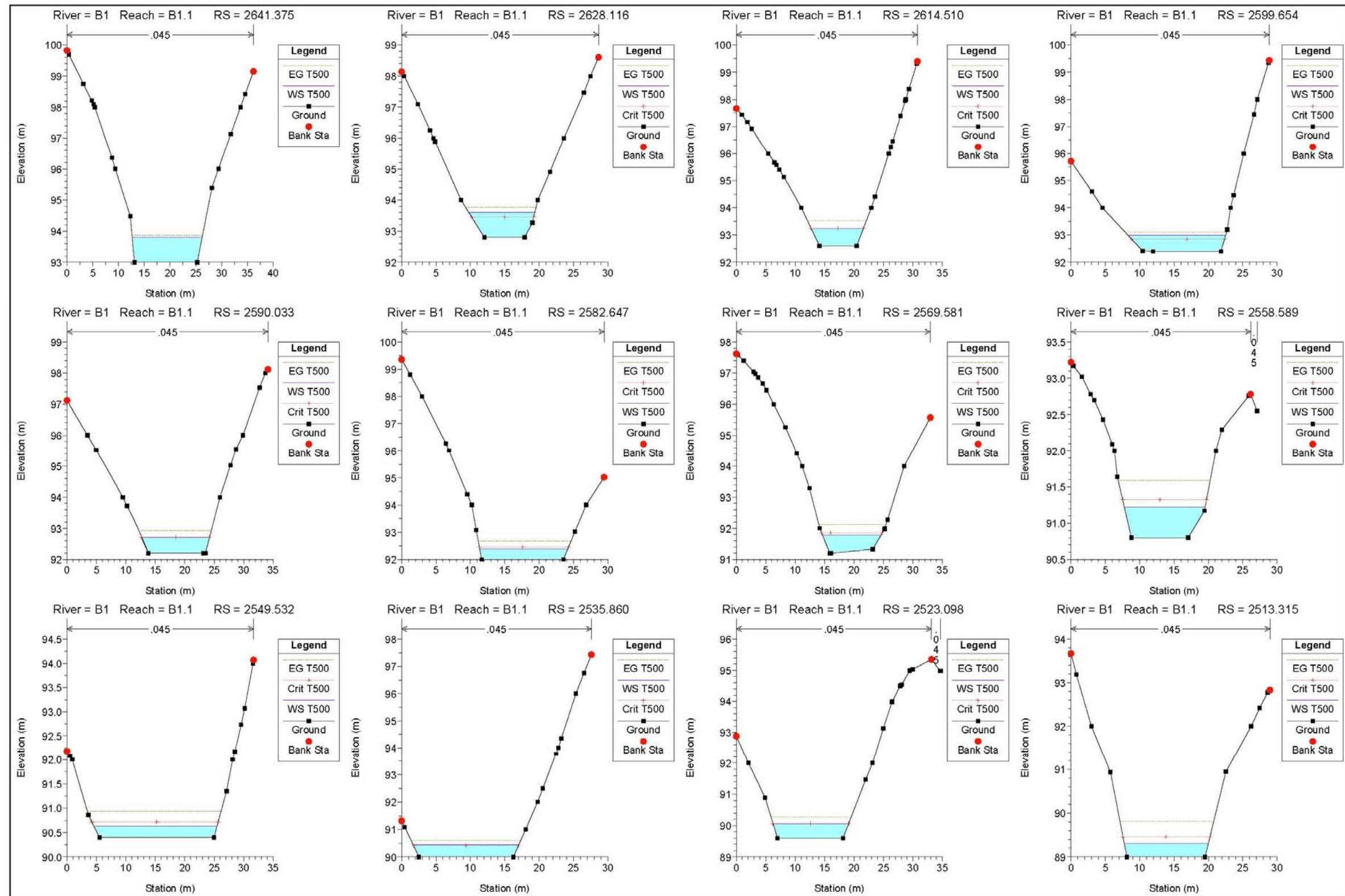
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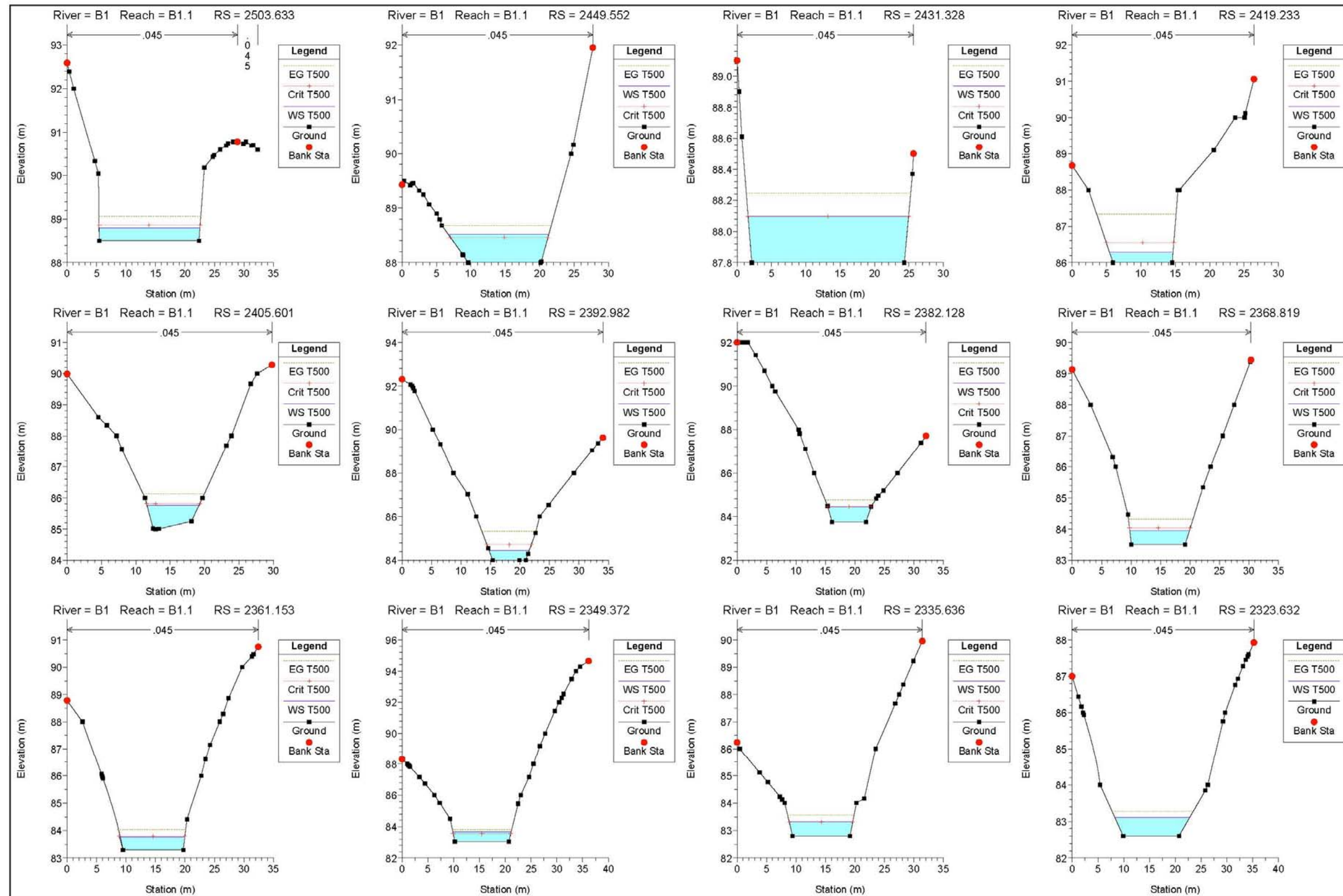
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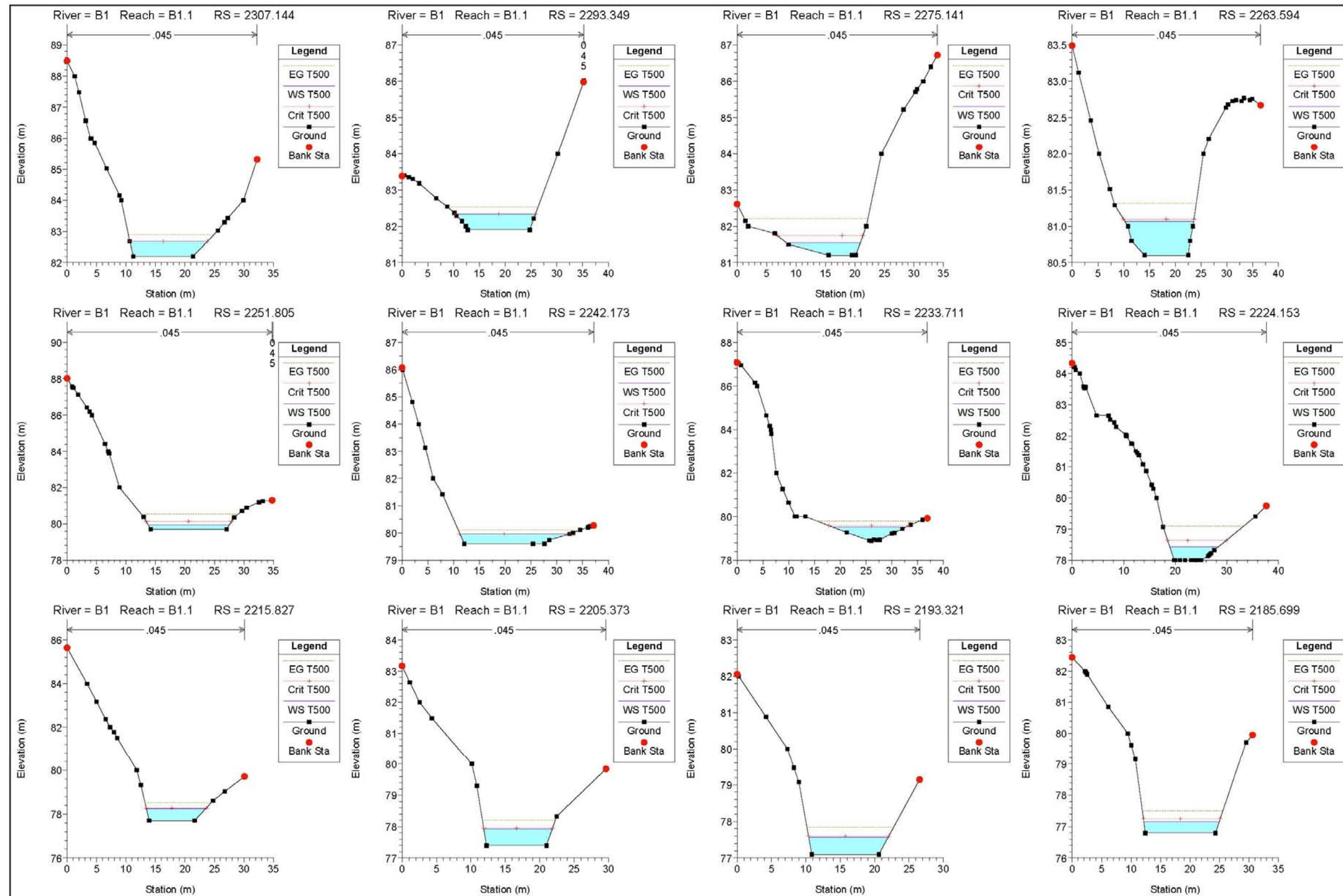
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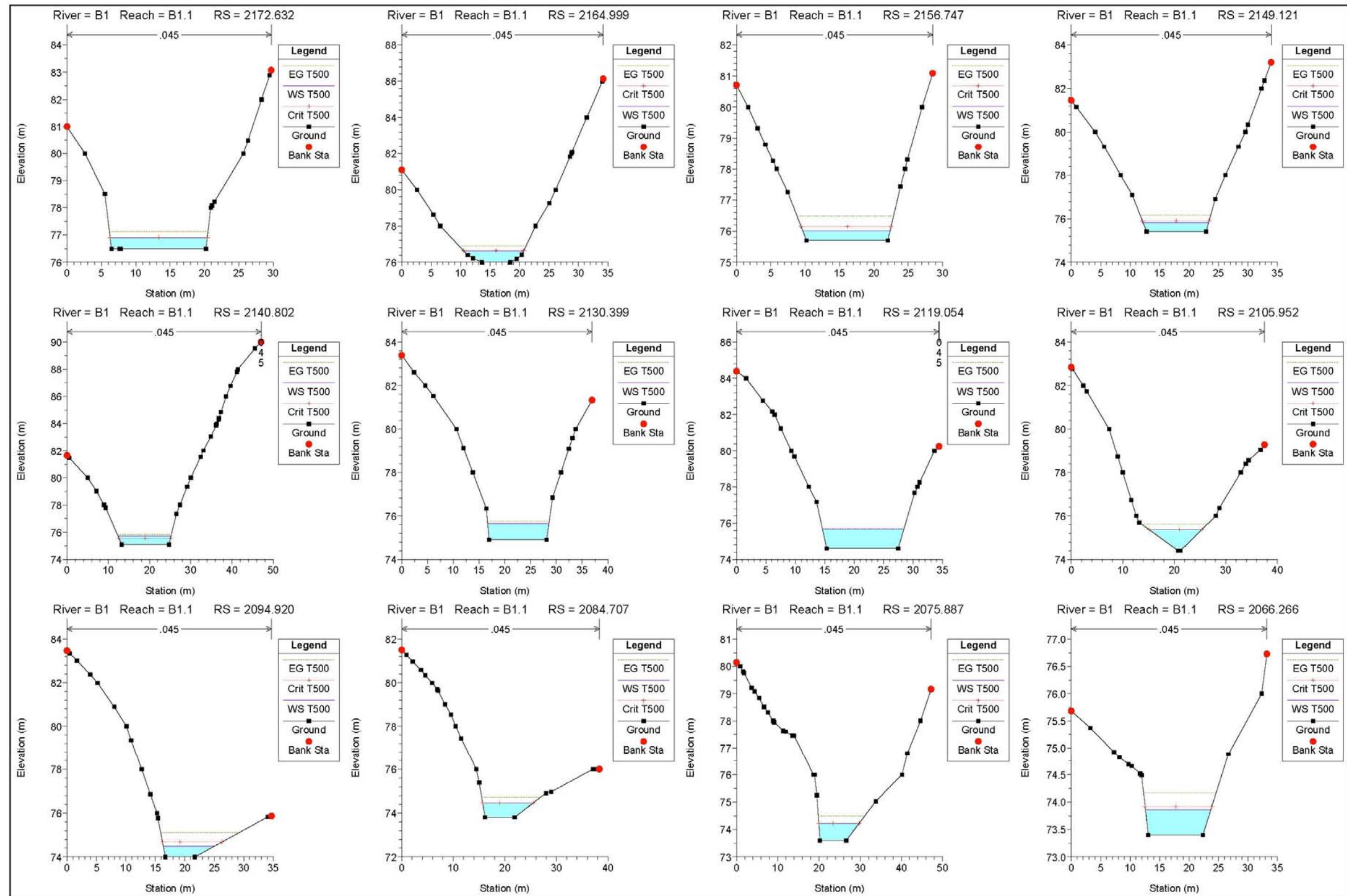


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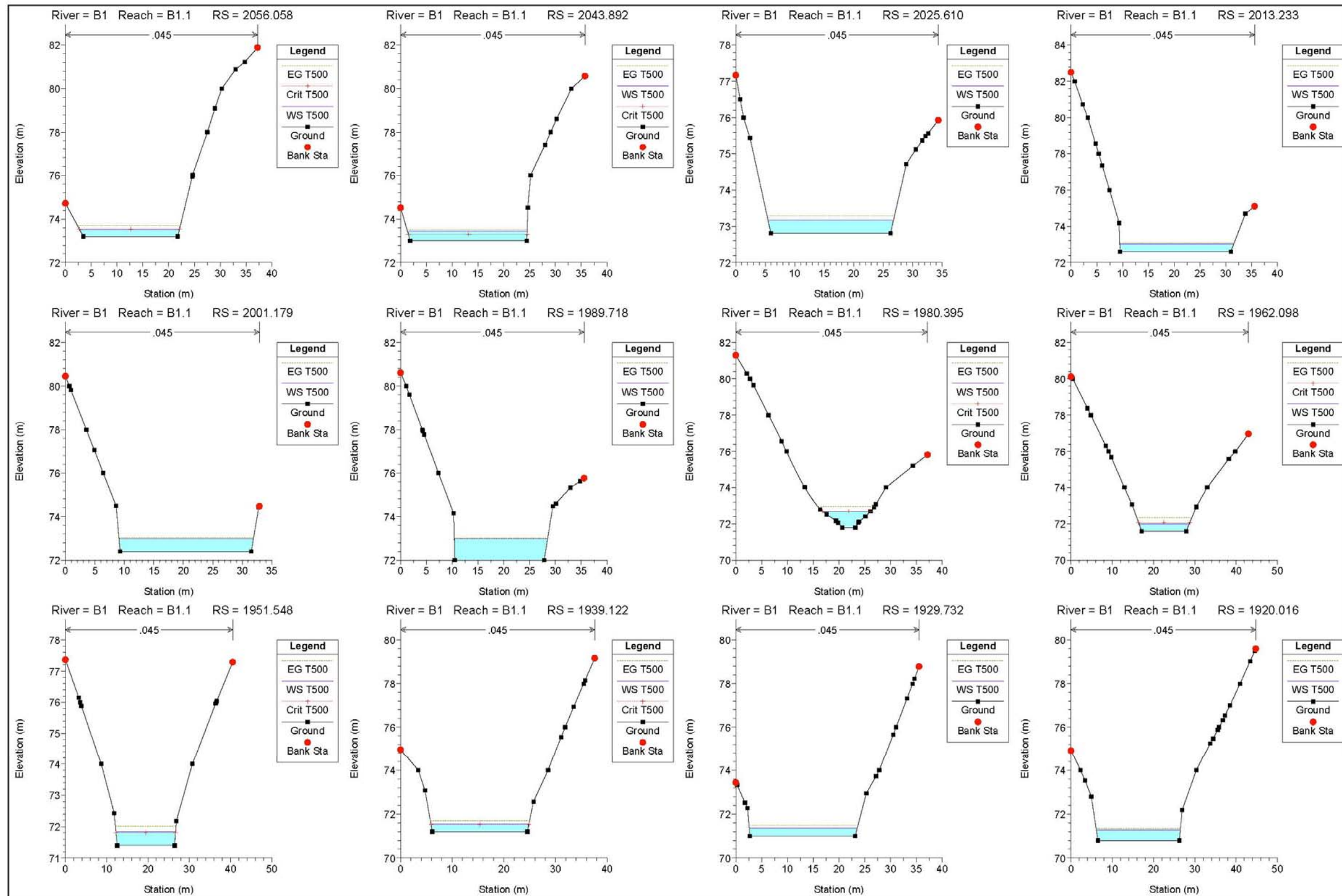


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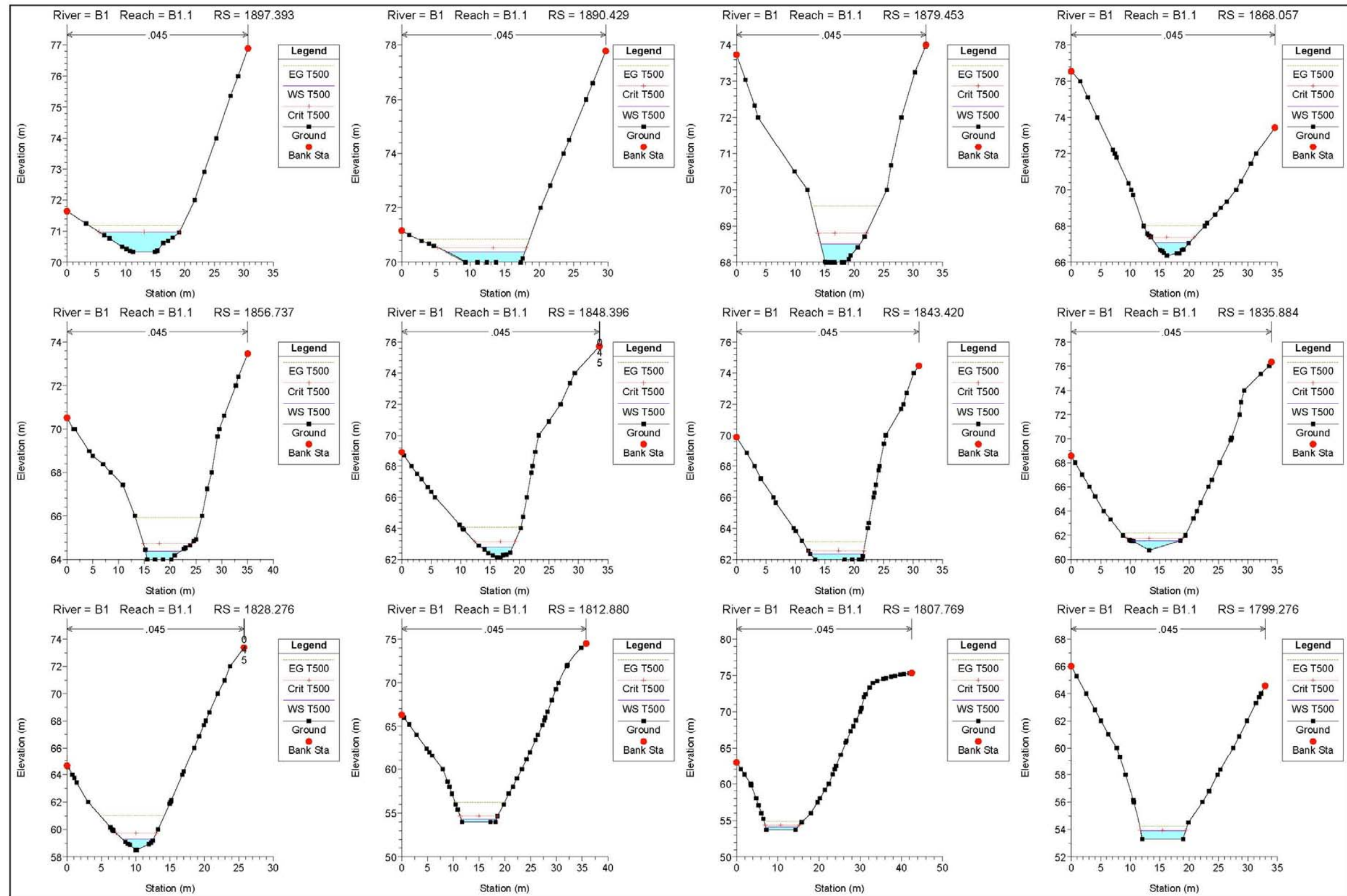




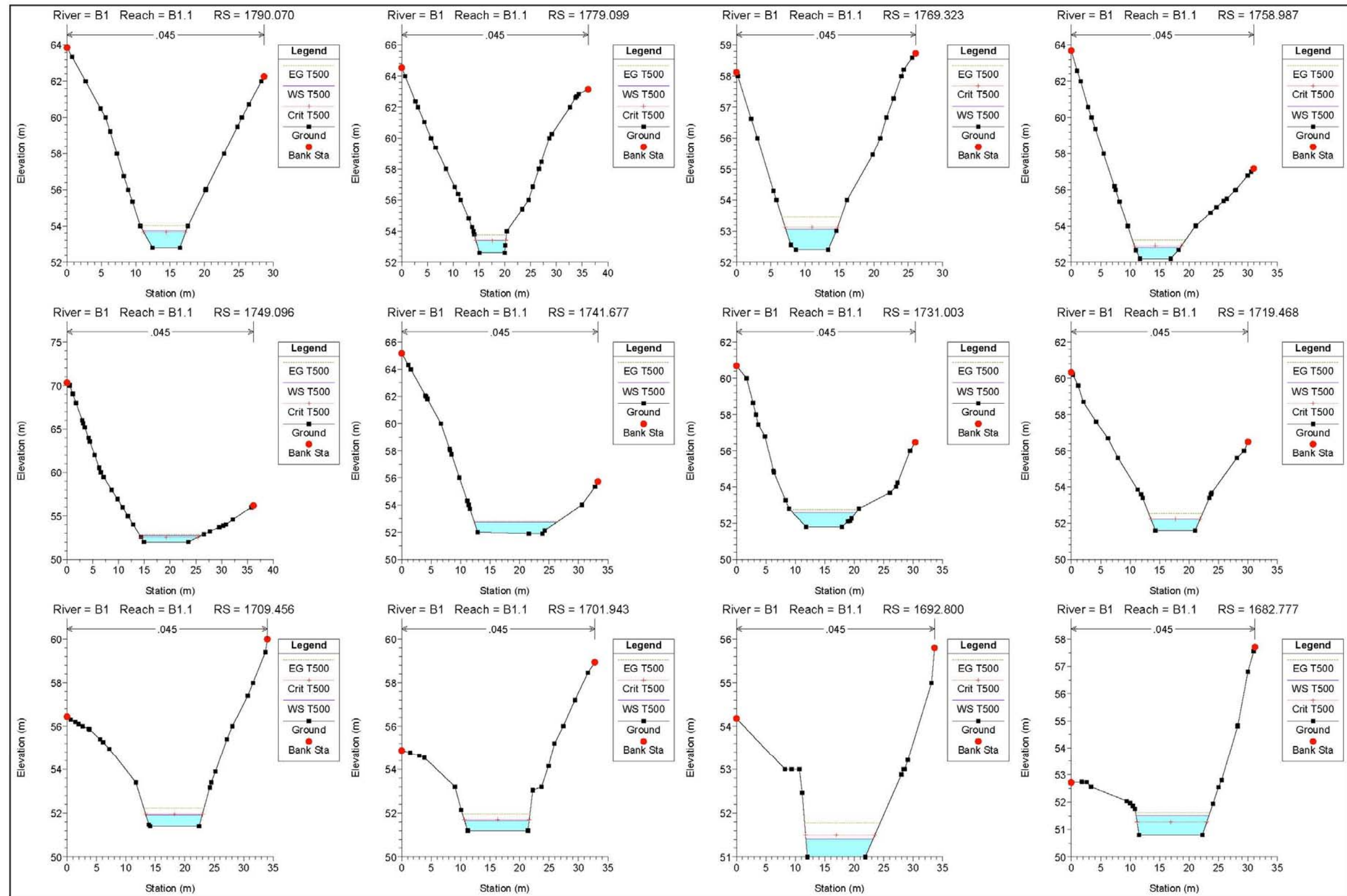
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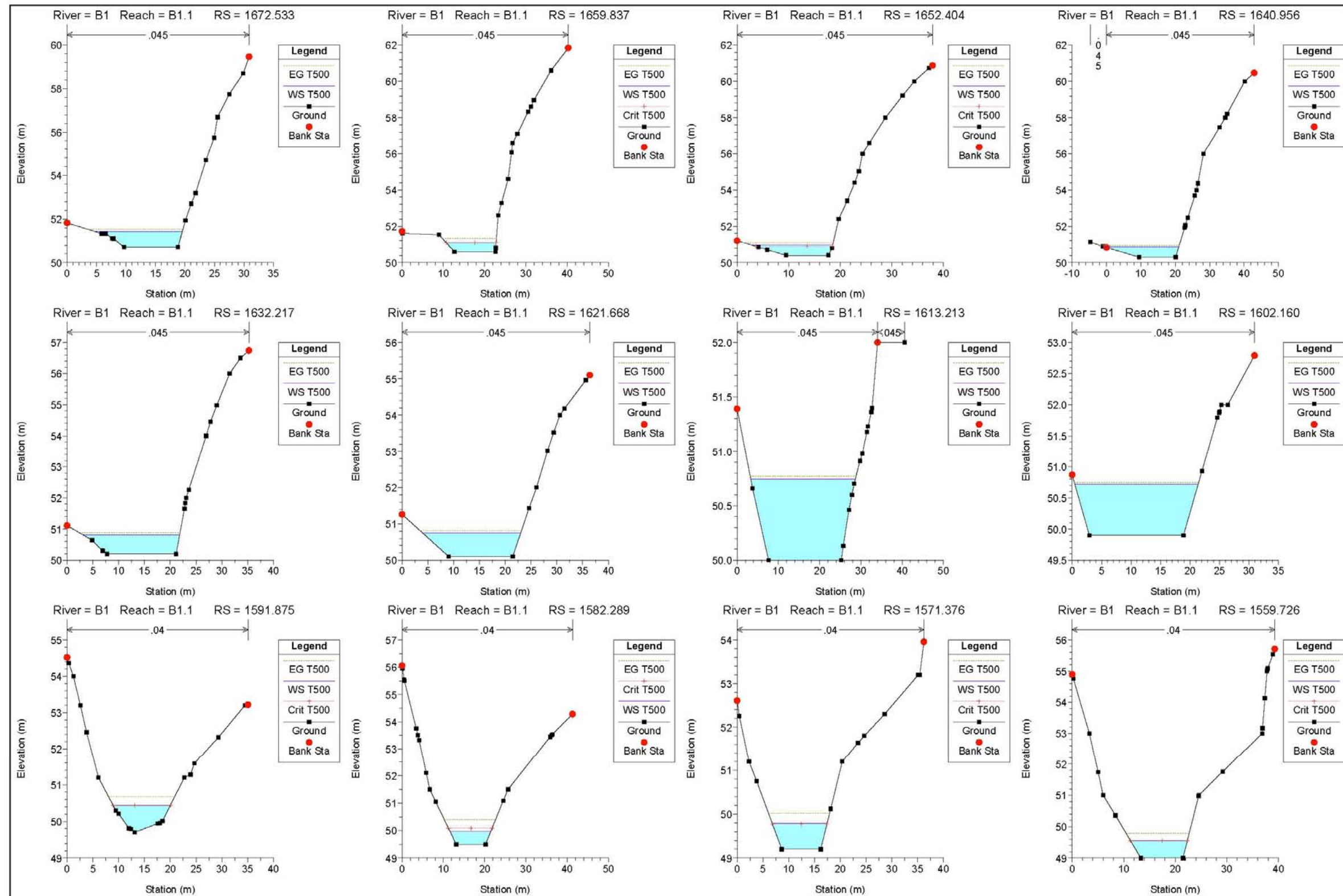
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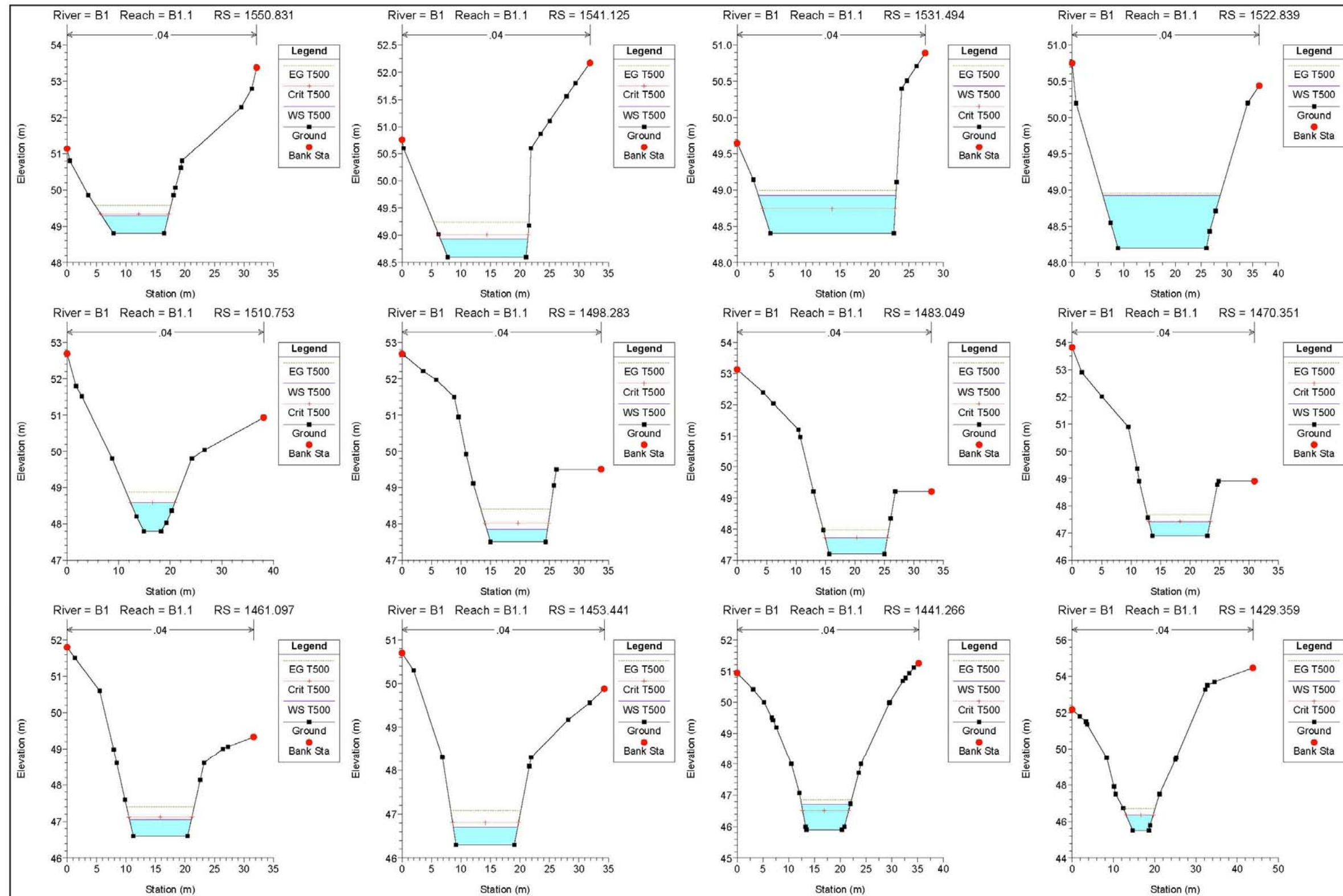
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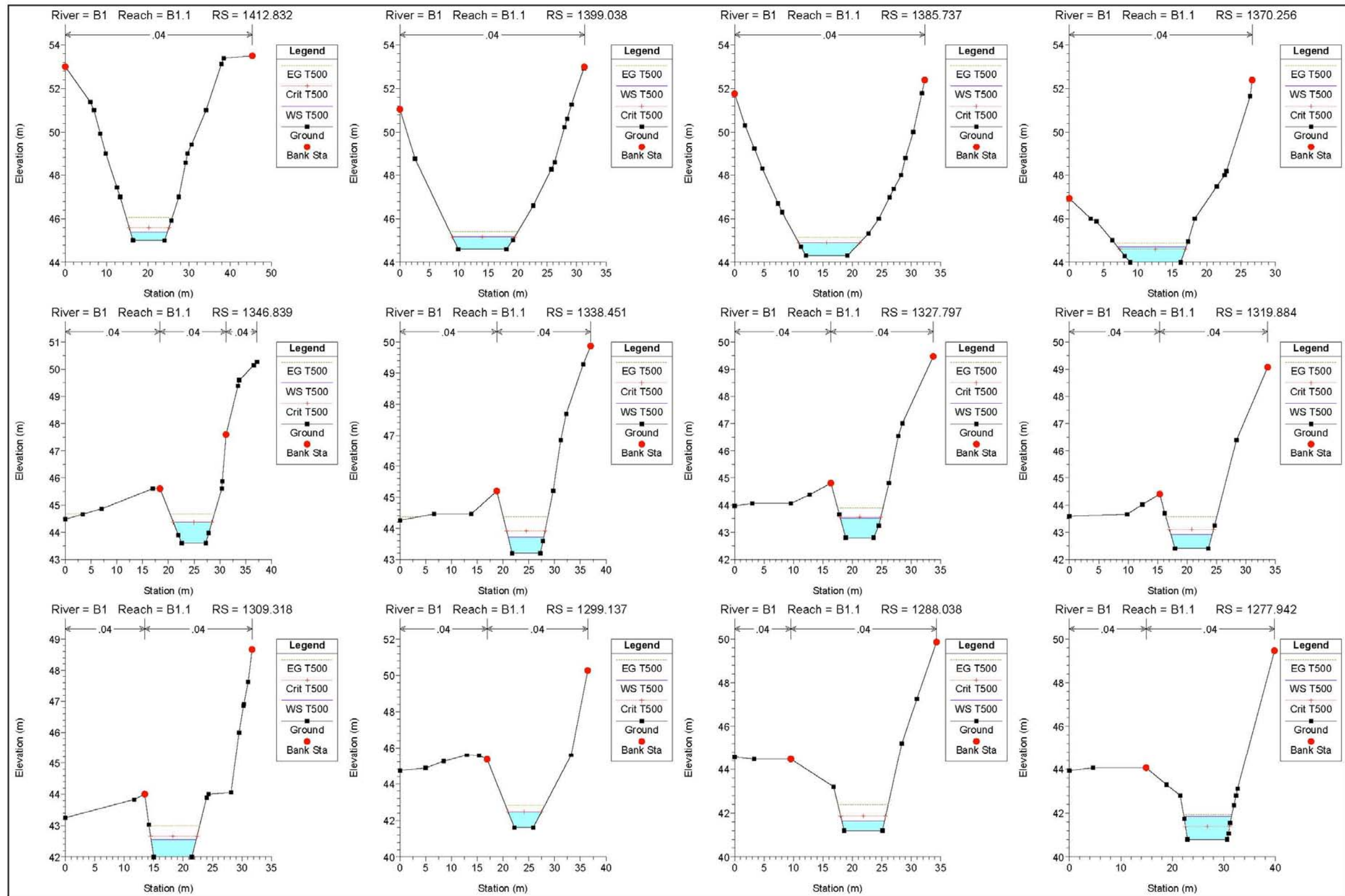
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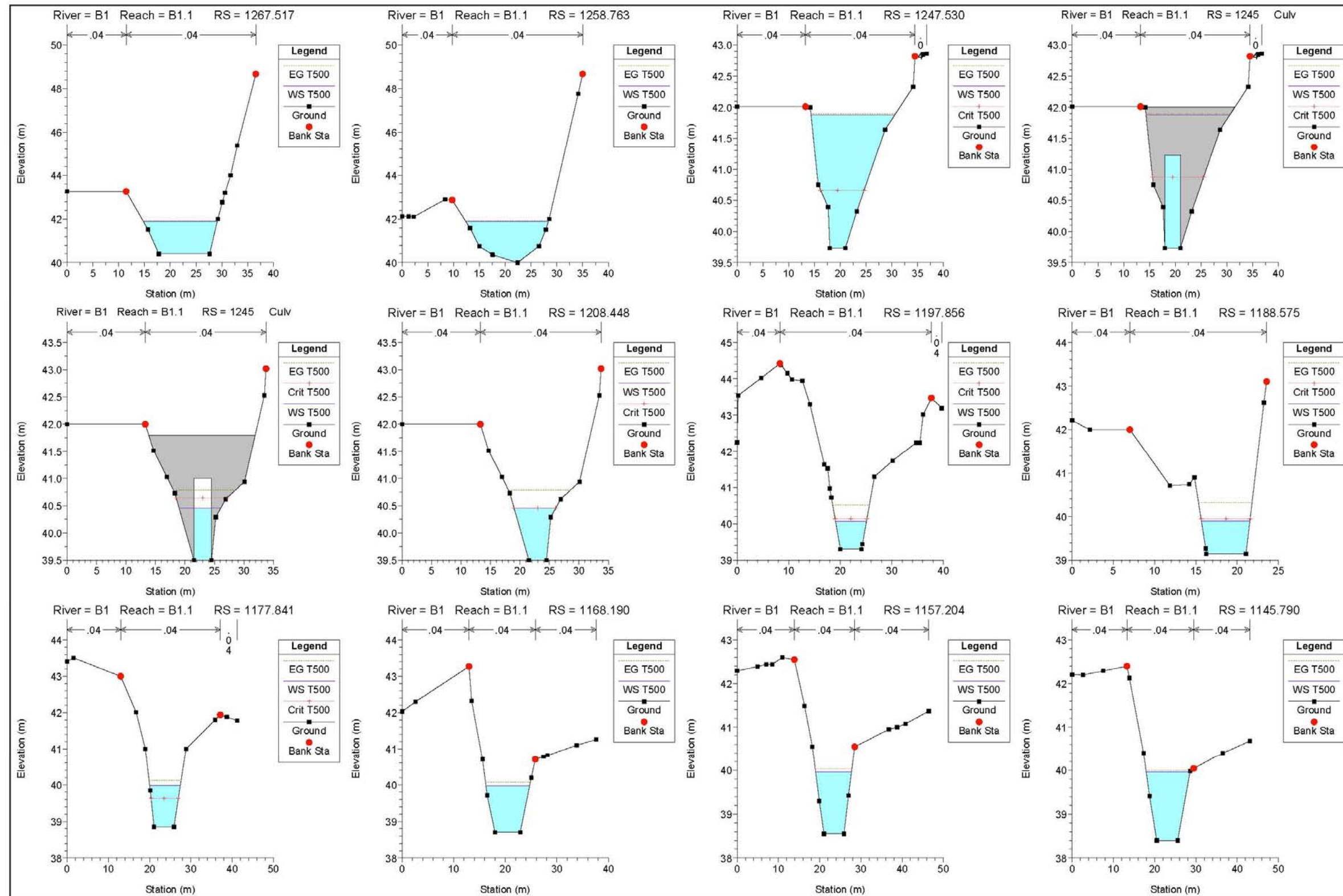


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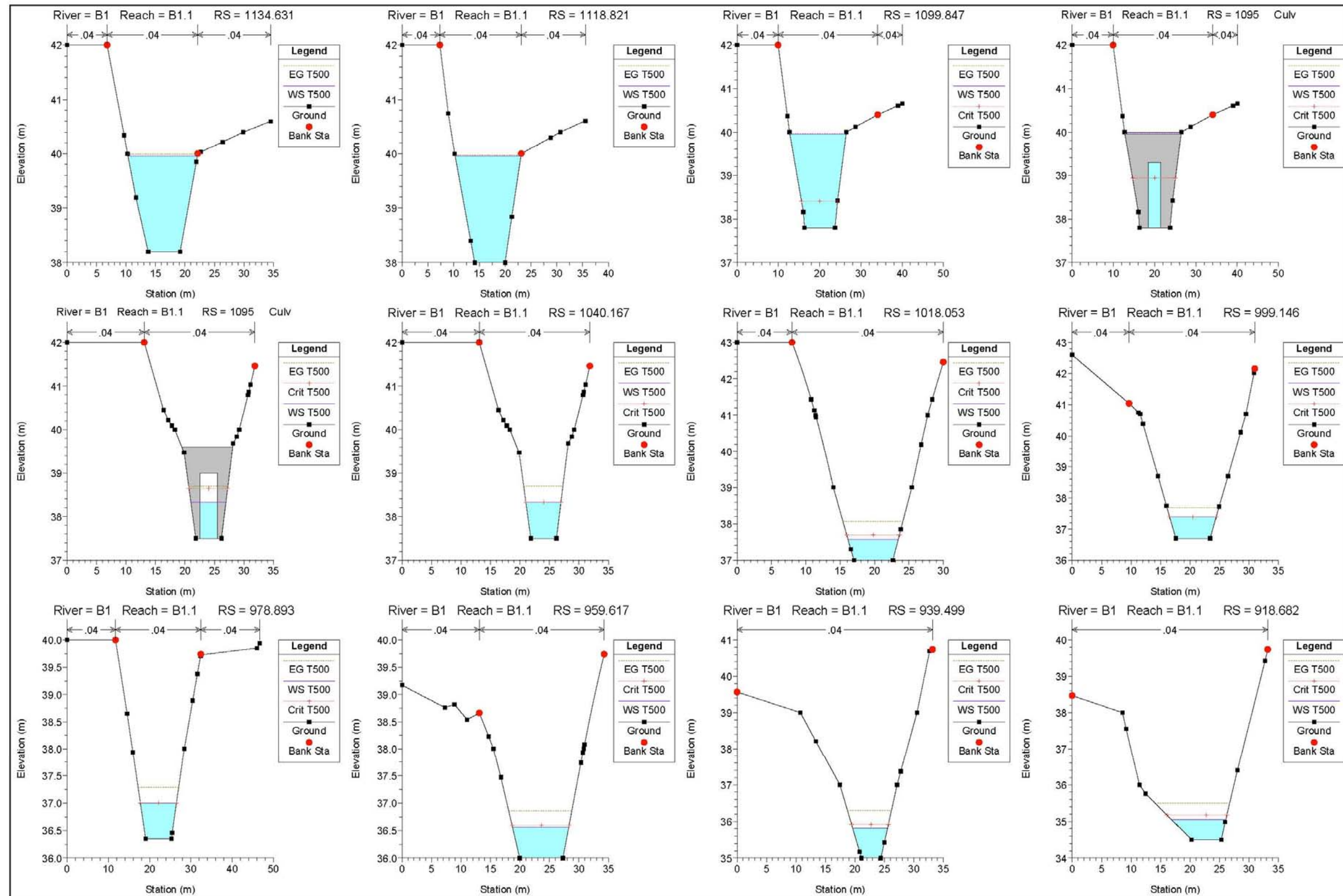


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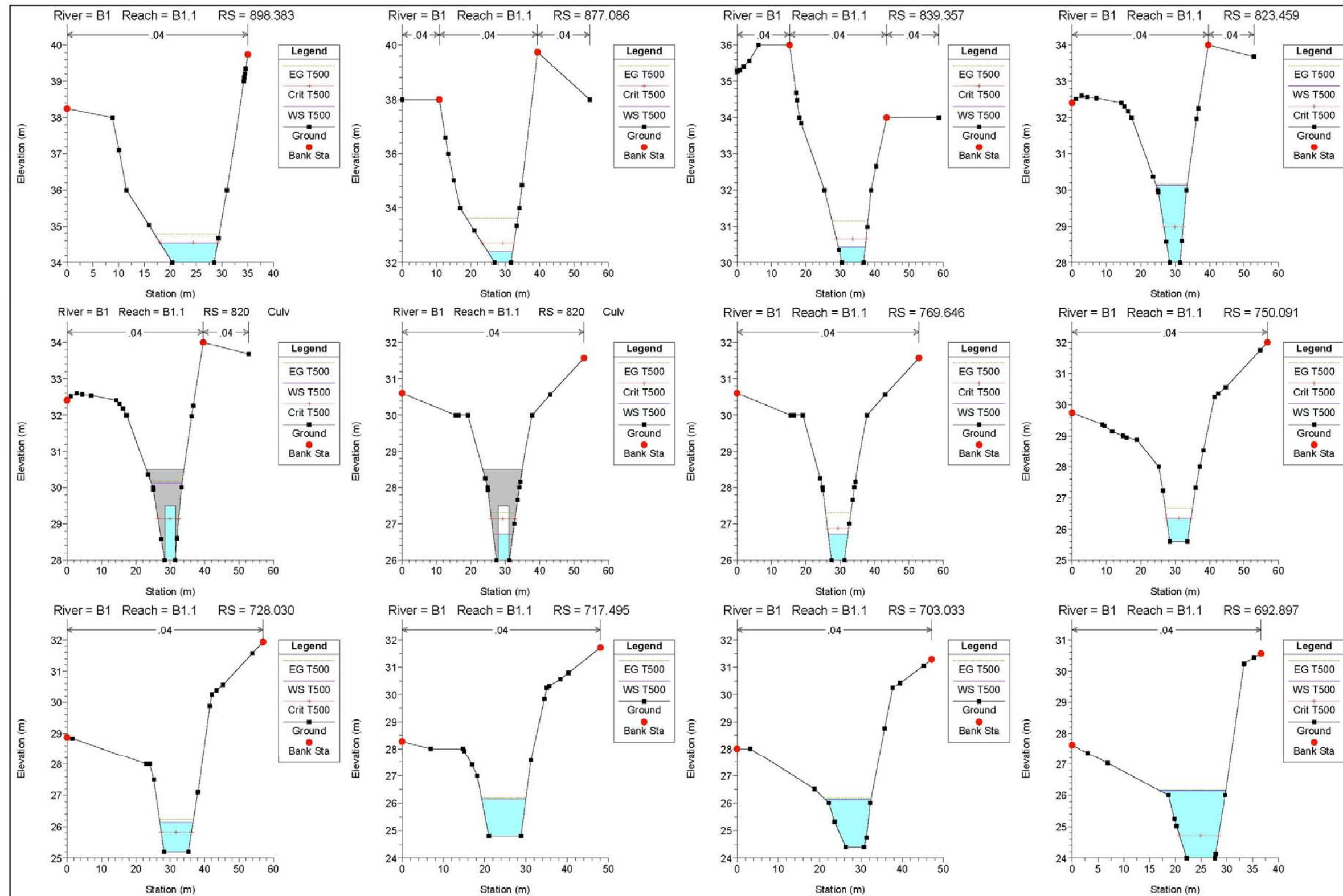




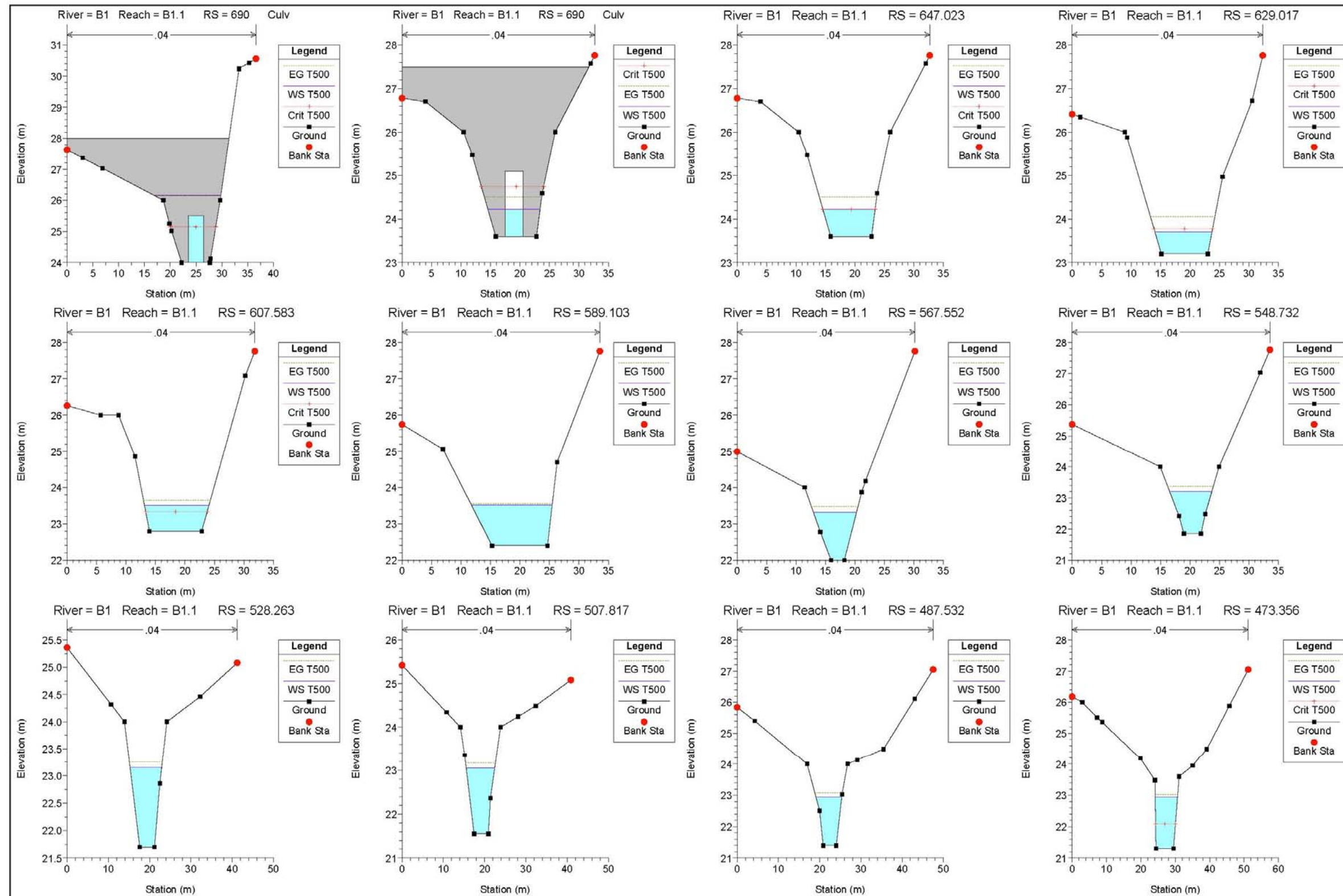
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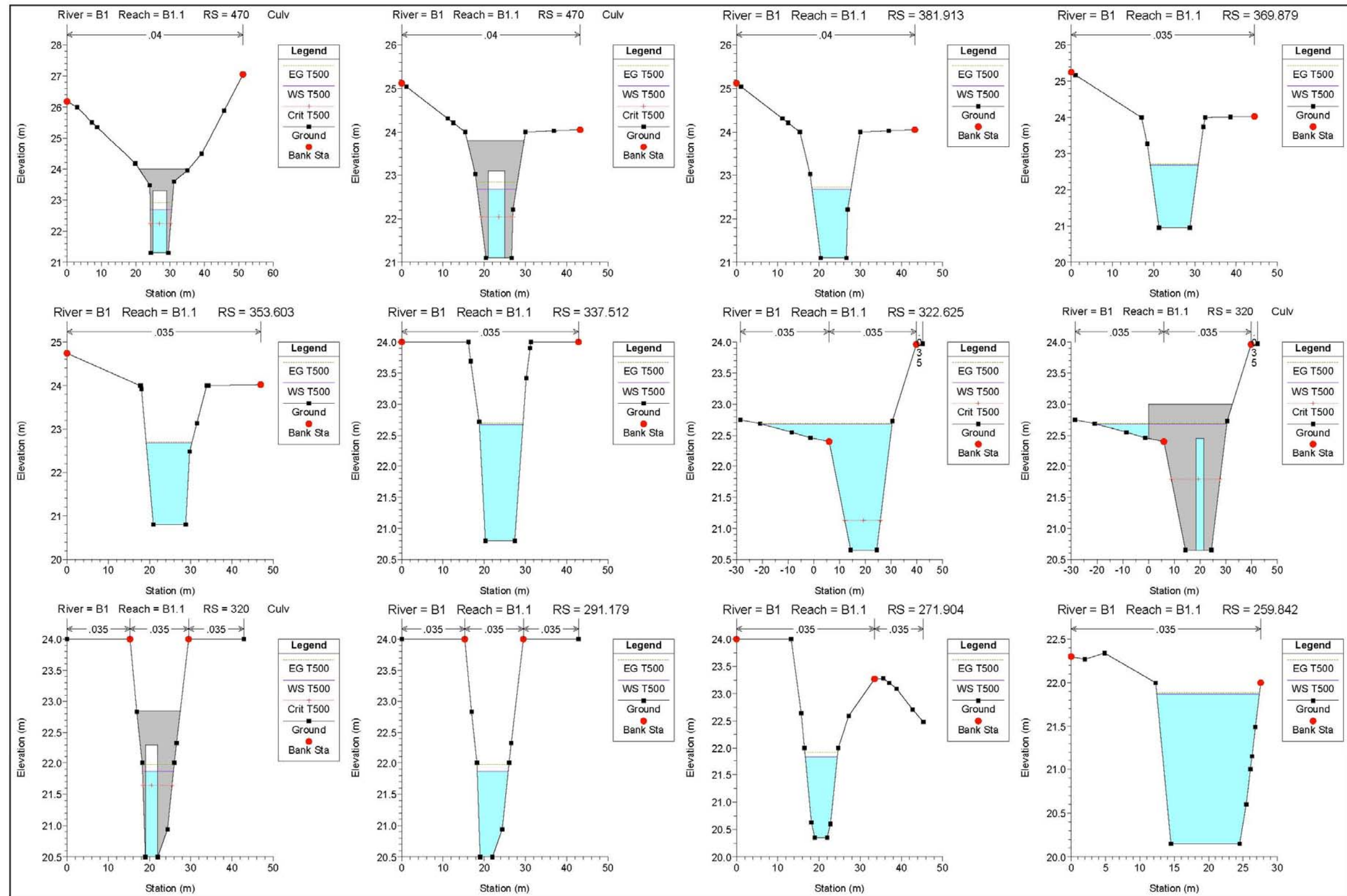
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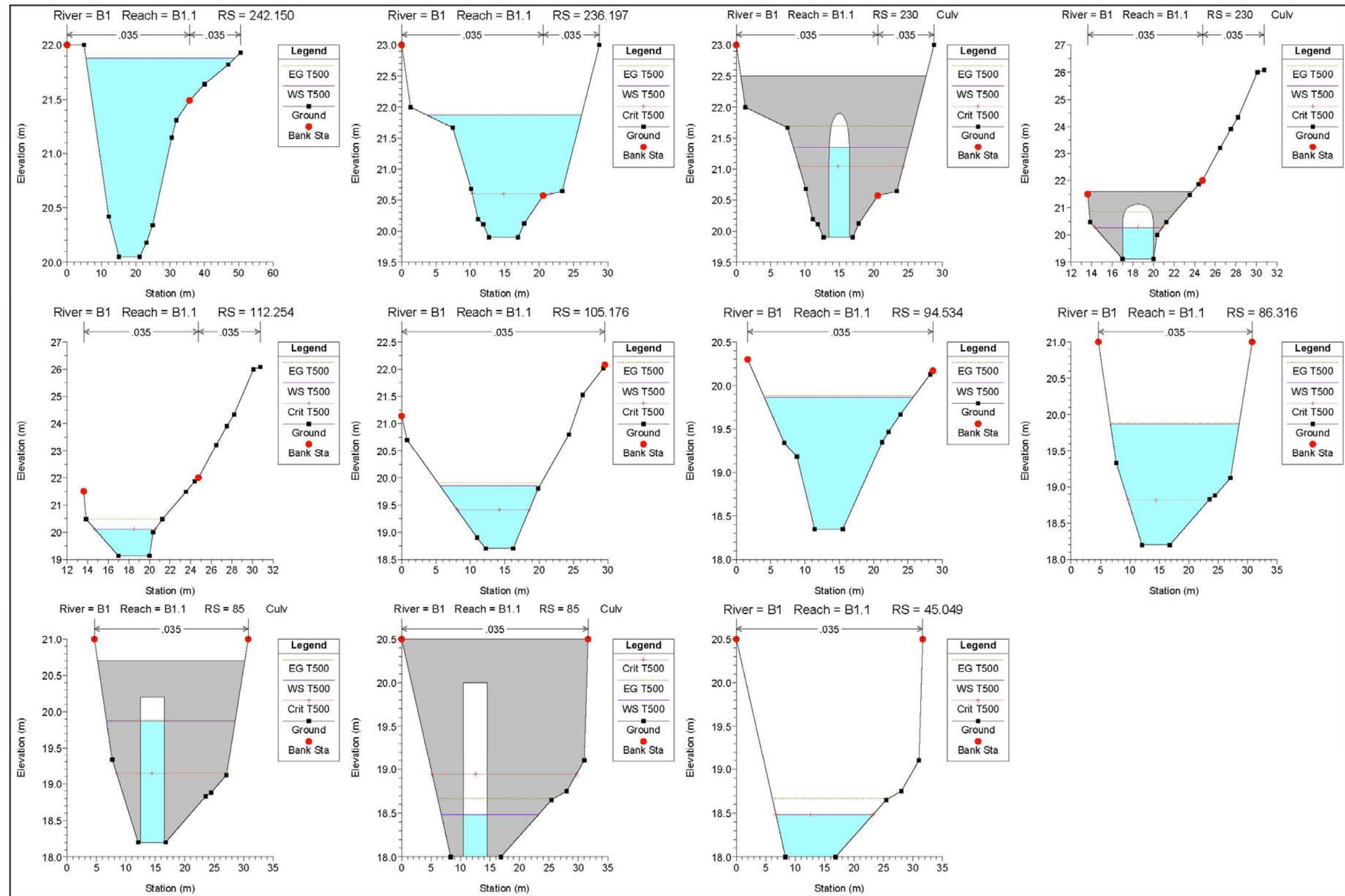
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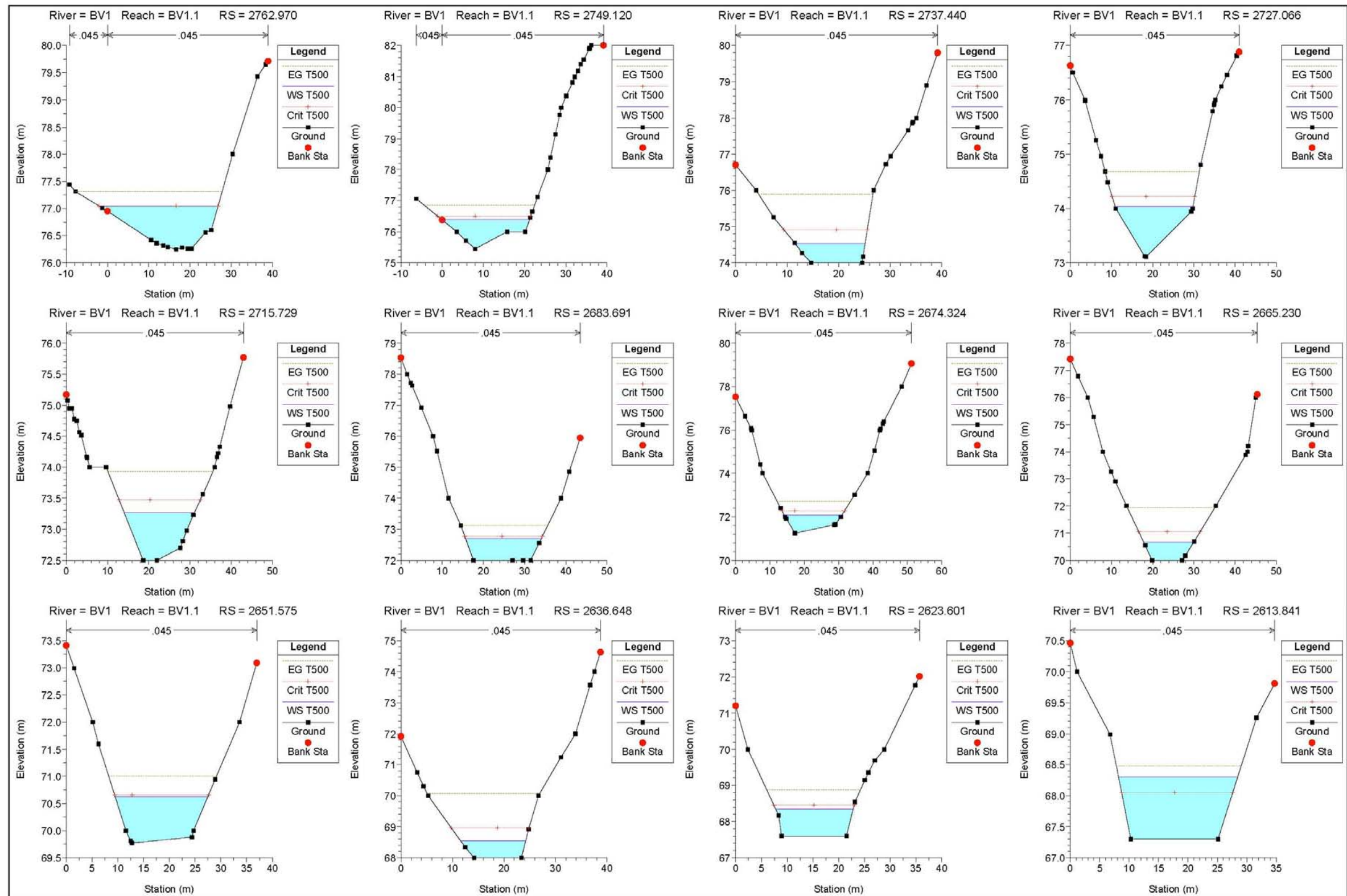
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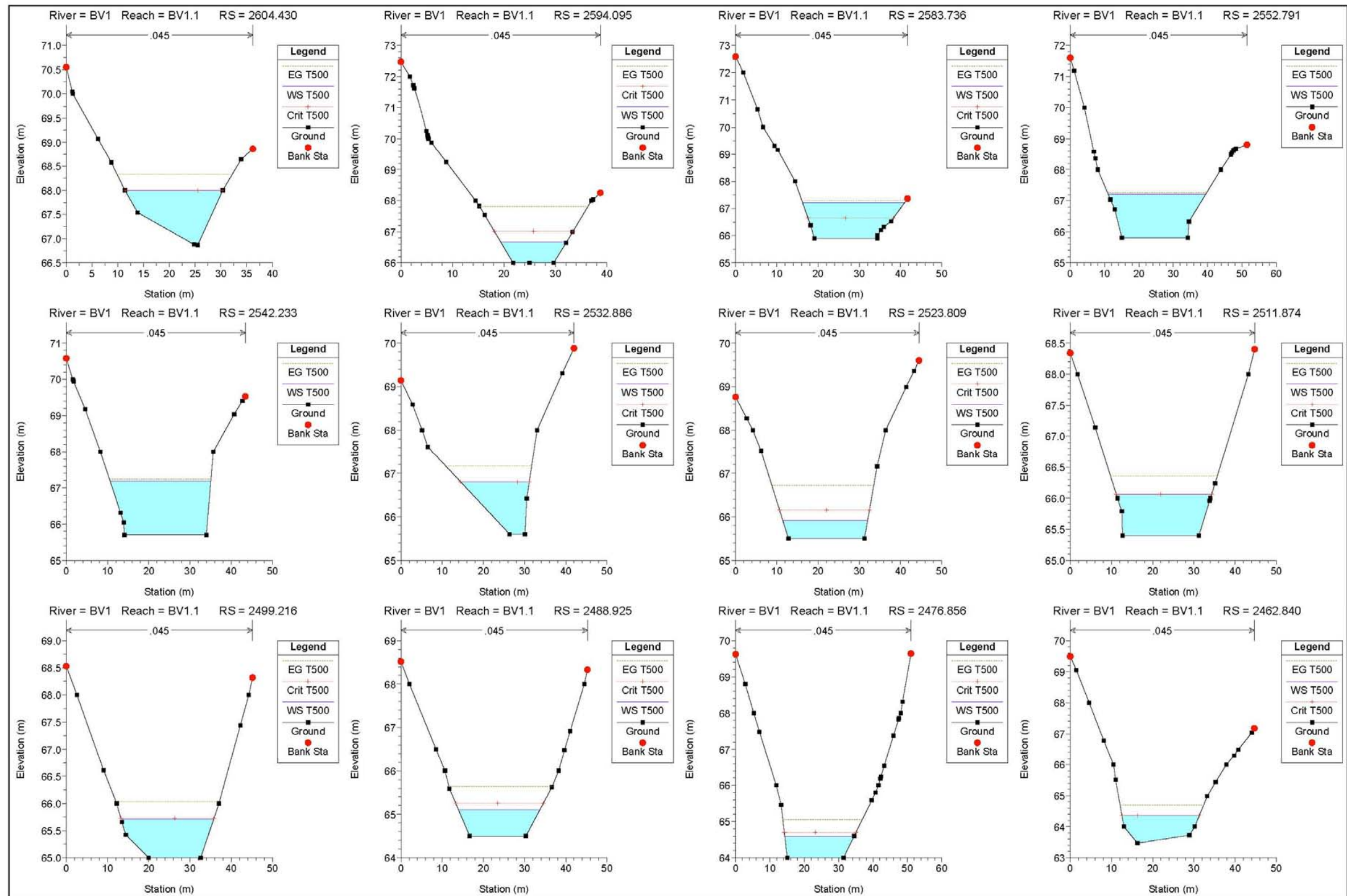
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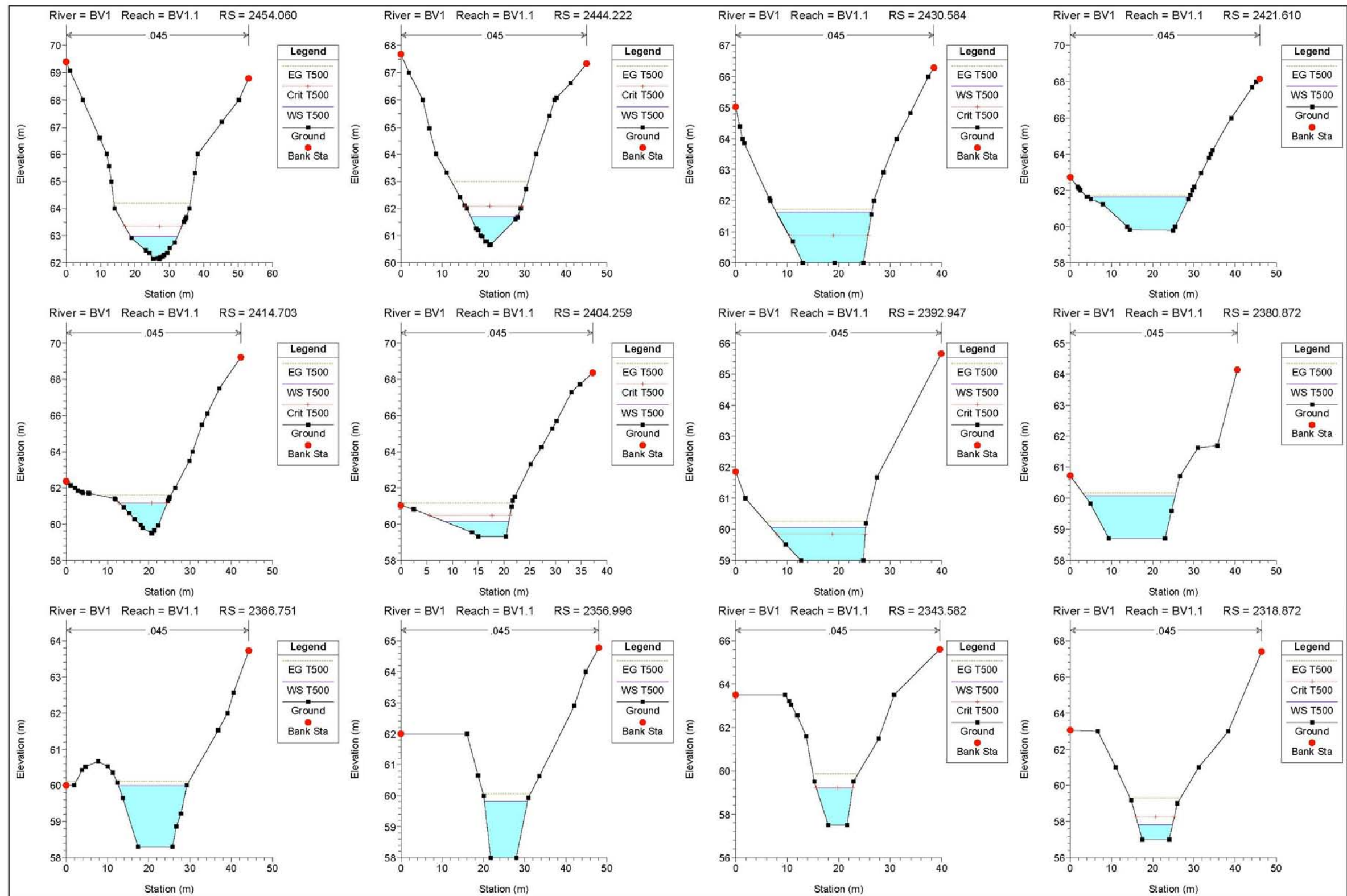
3.7.3.2.- Arroyo Buenavista



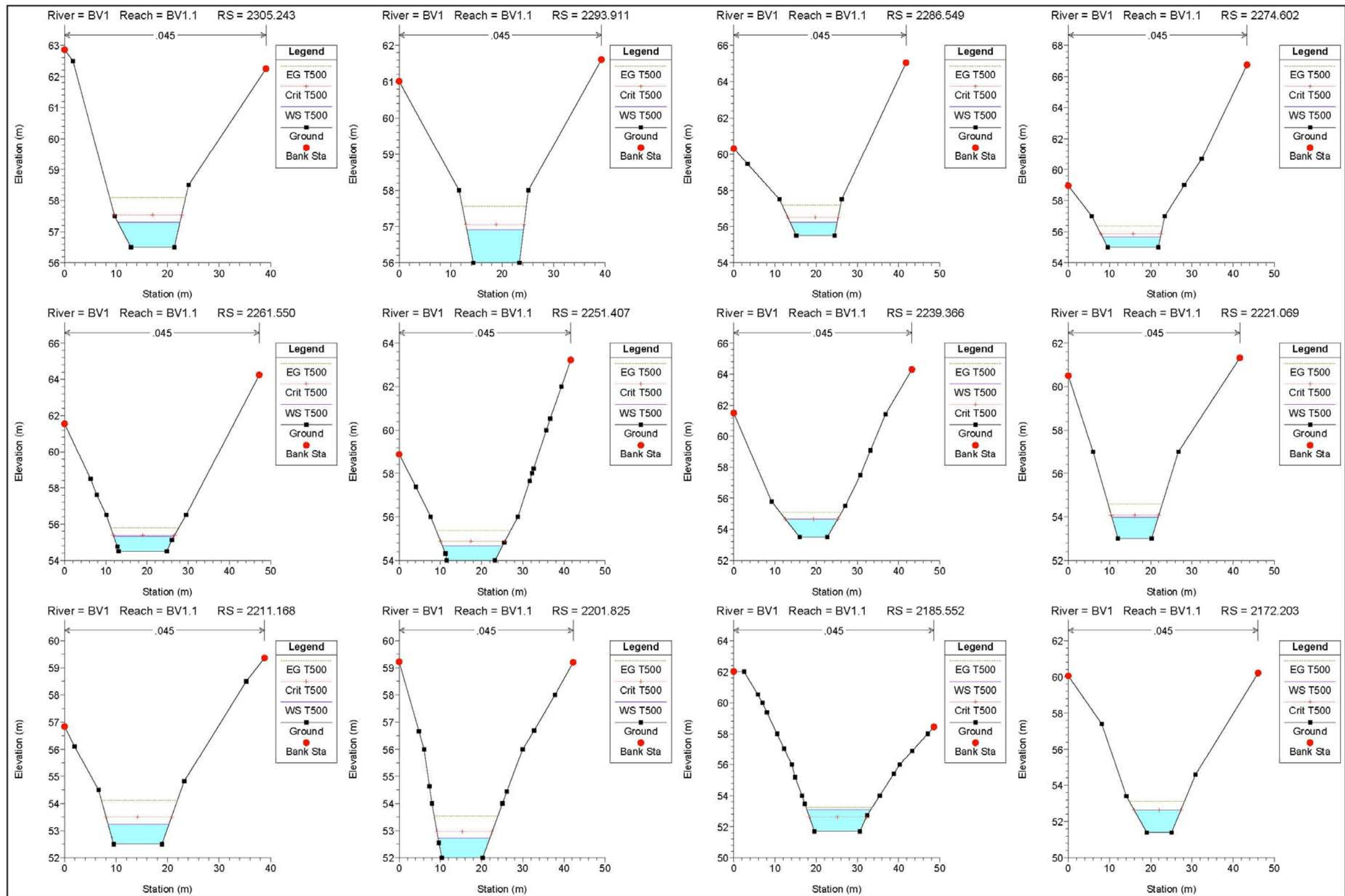
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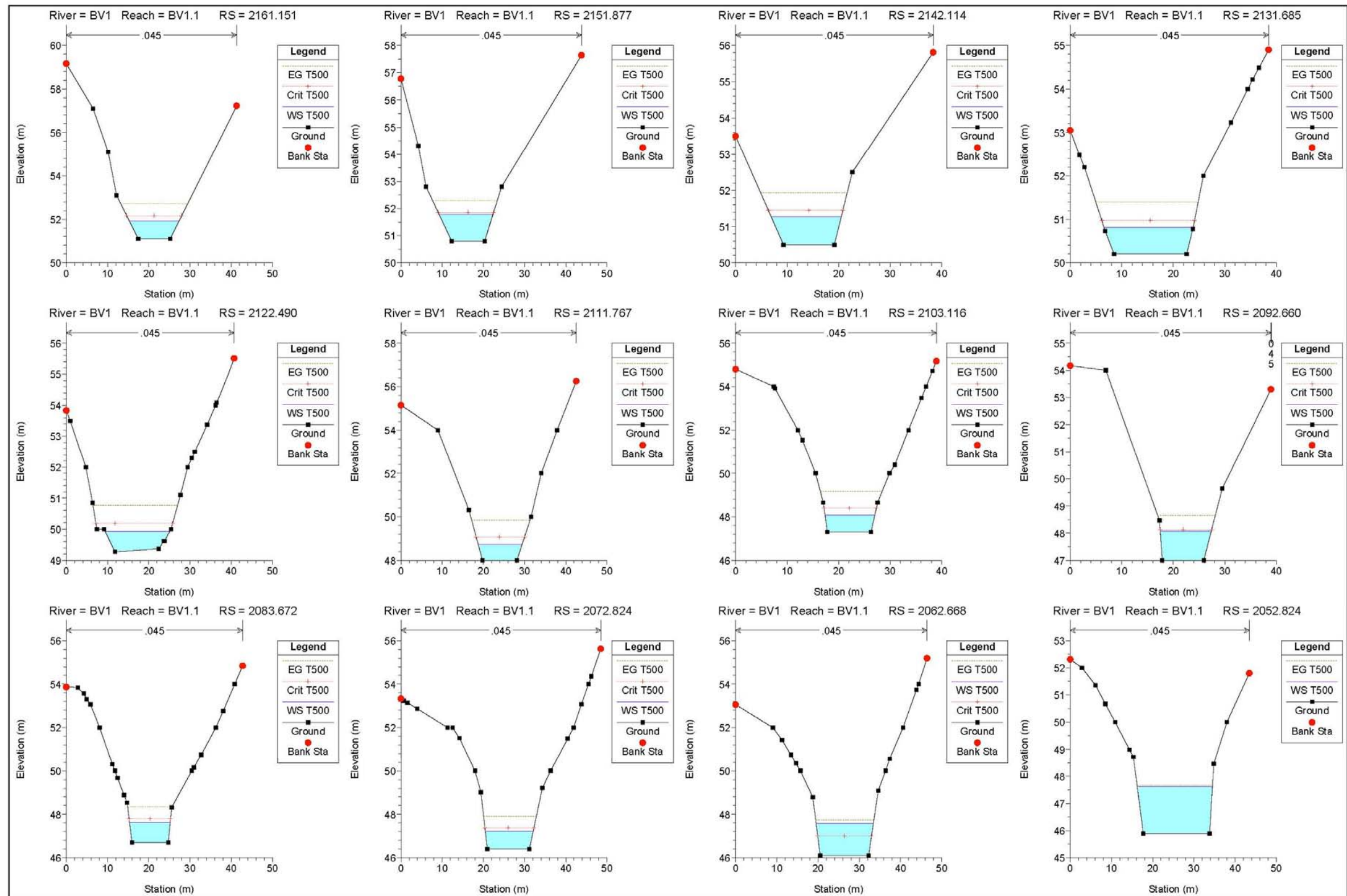
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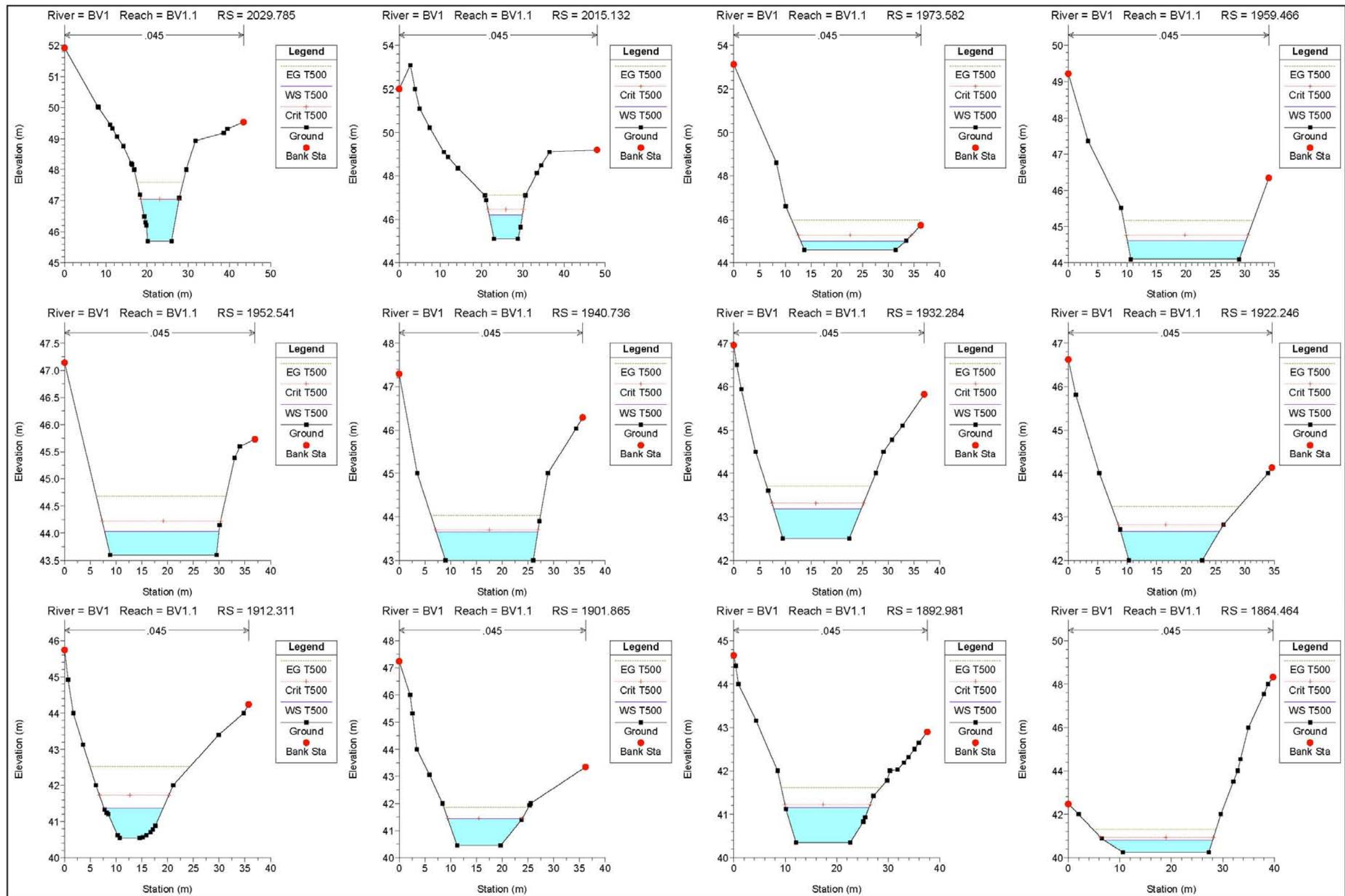
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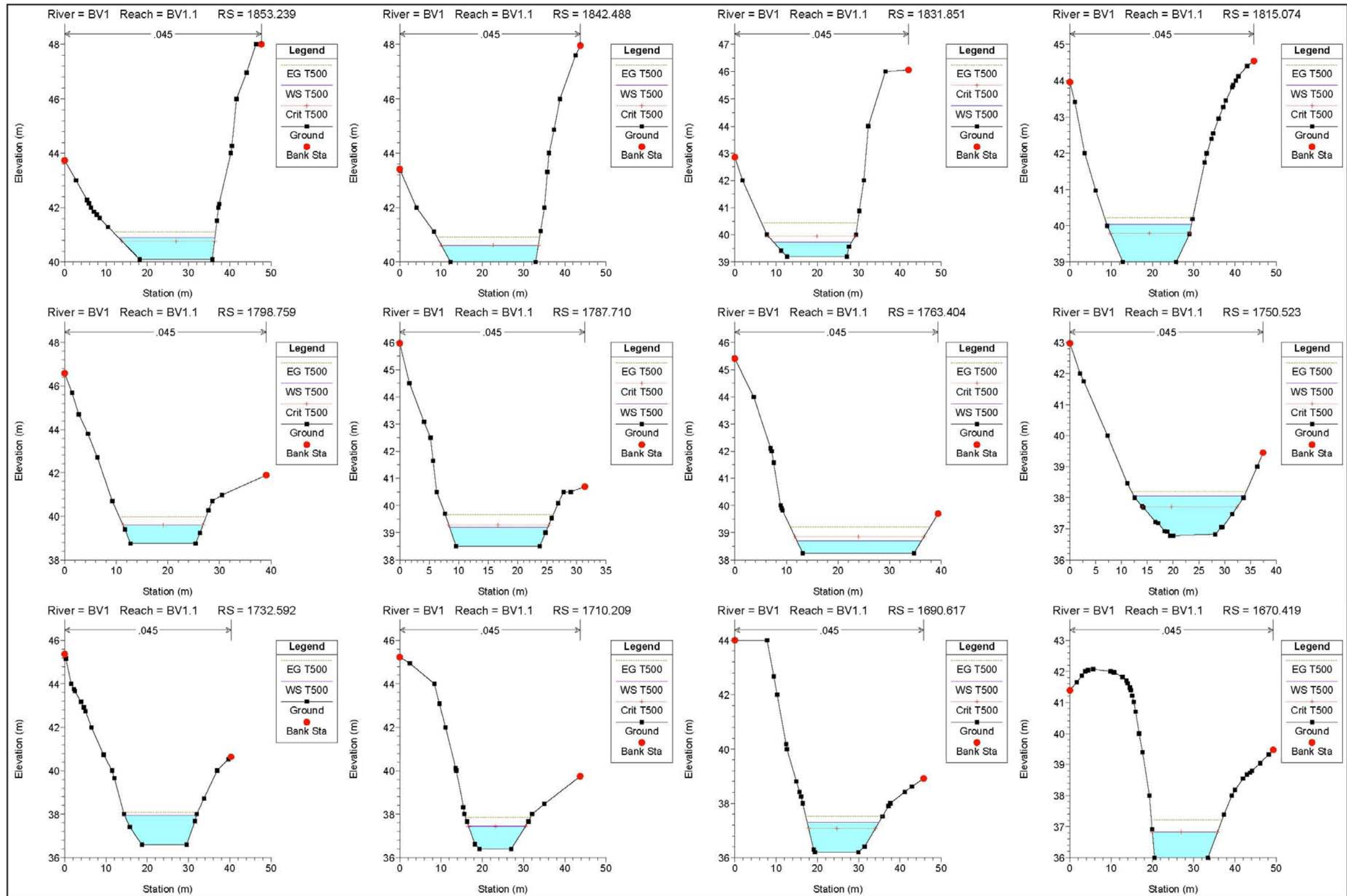


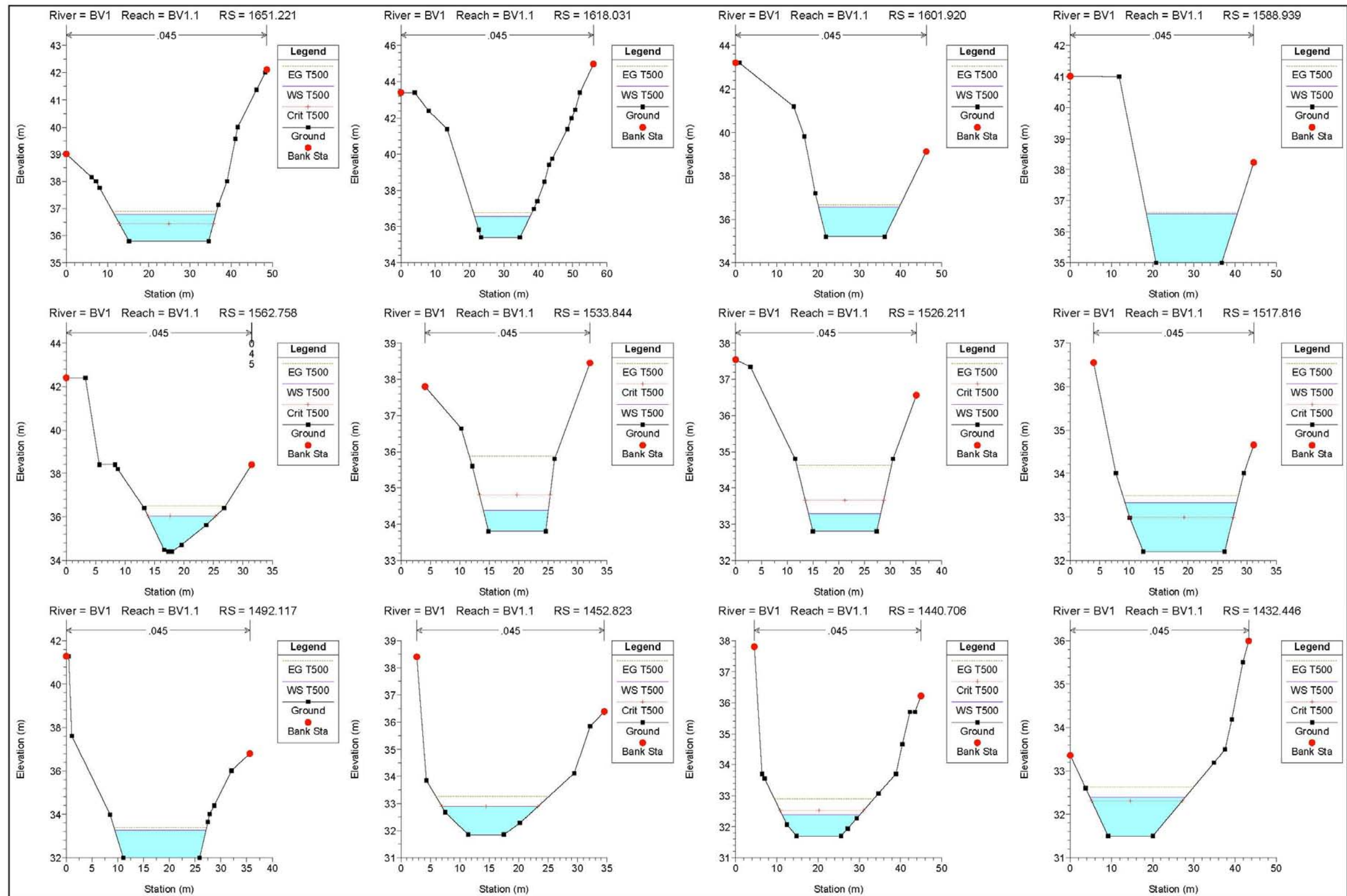
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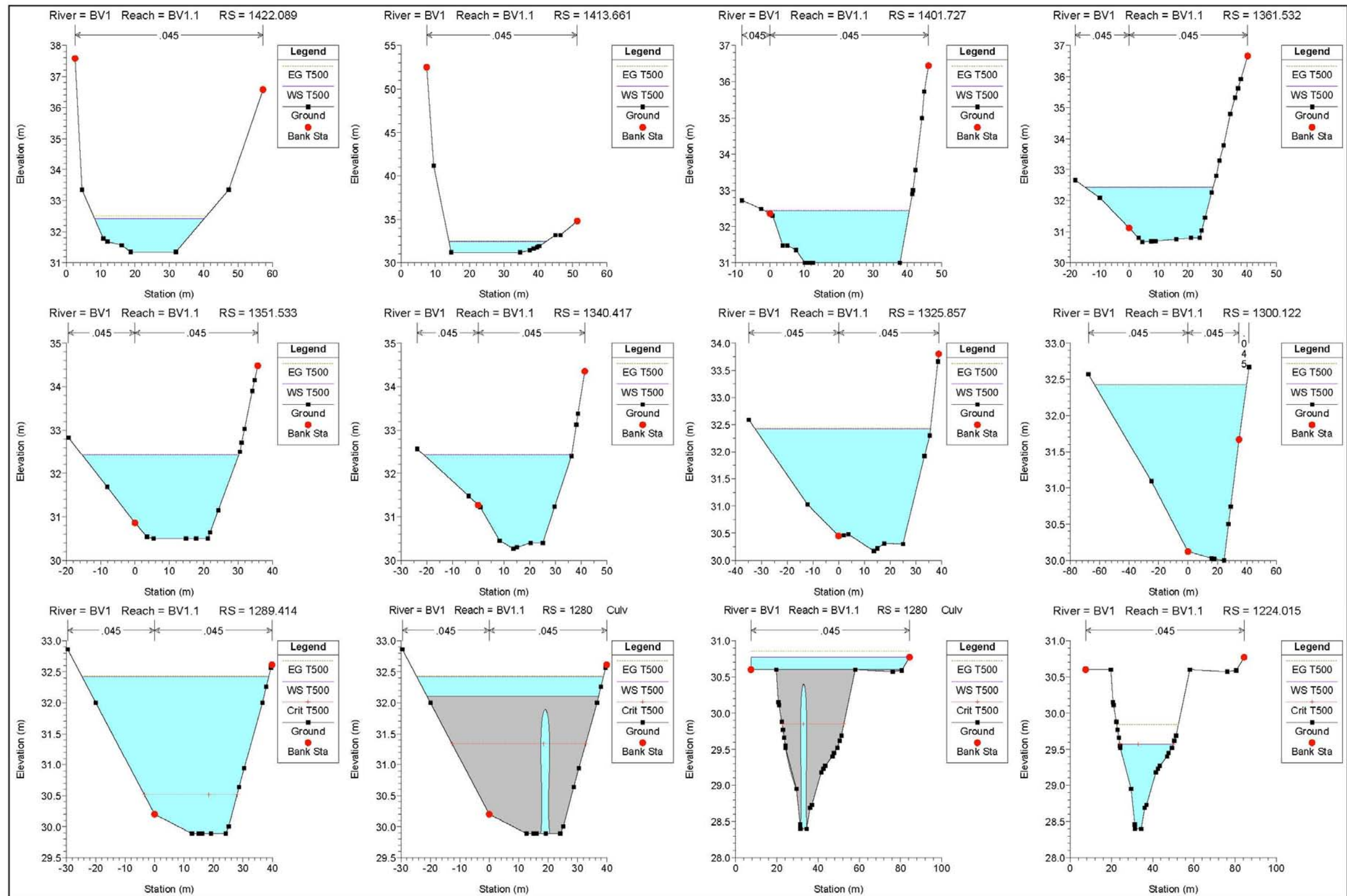


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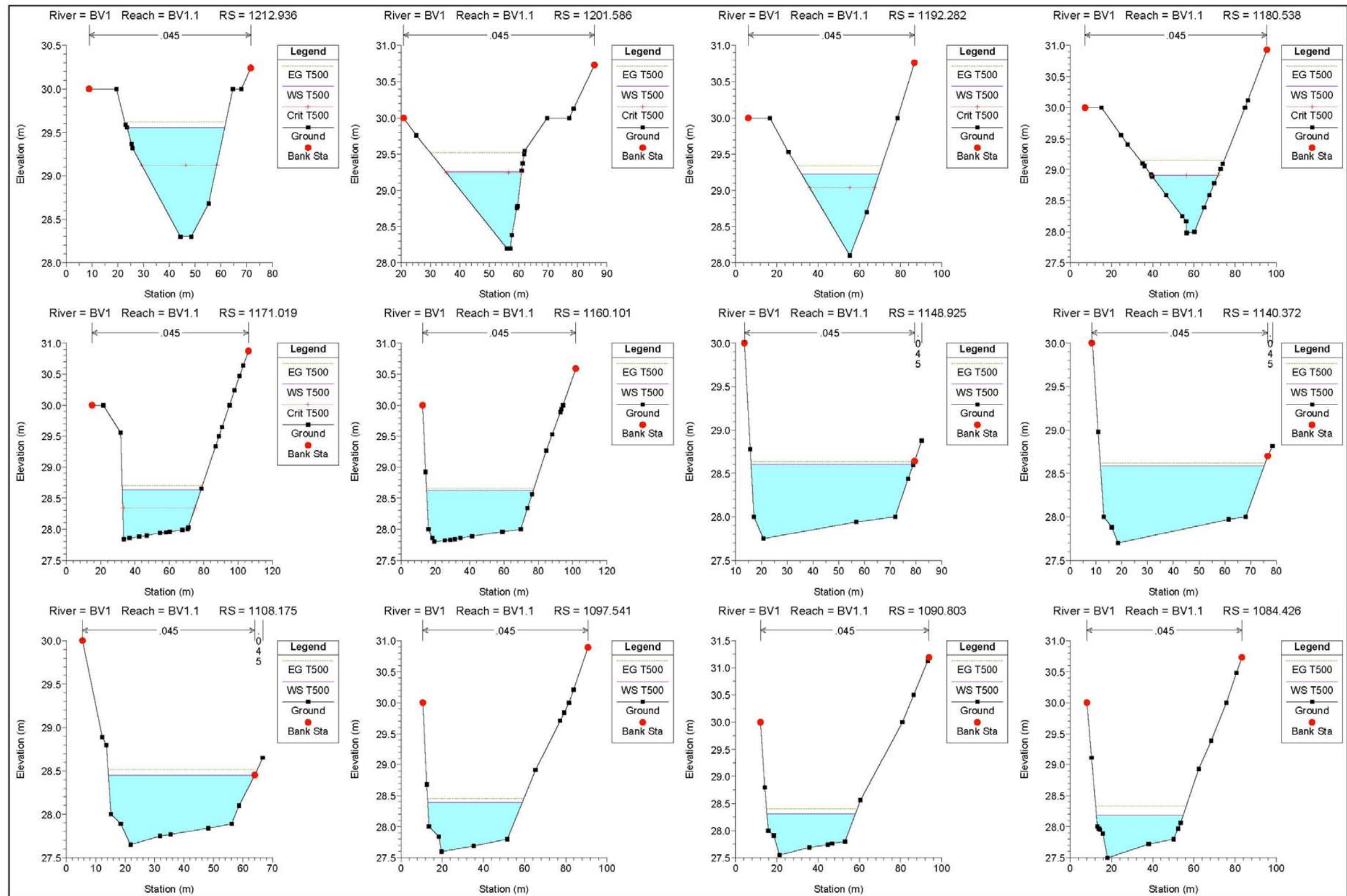




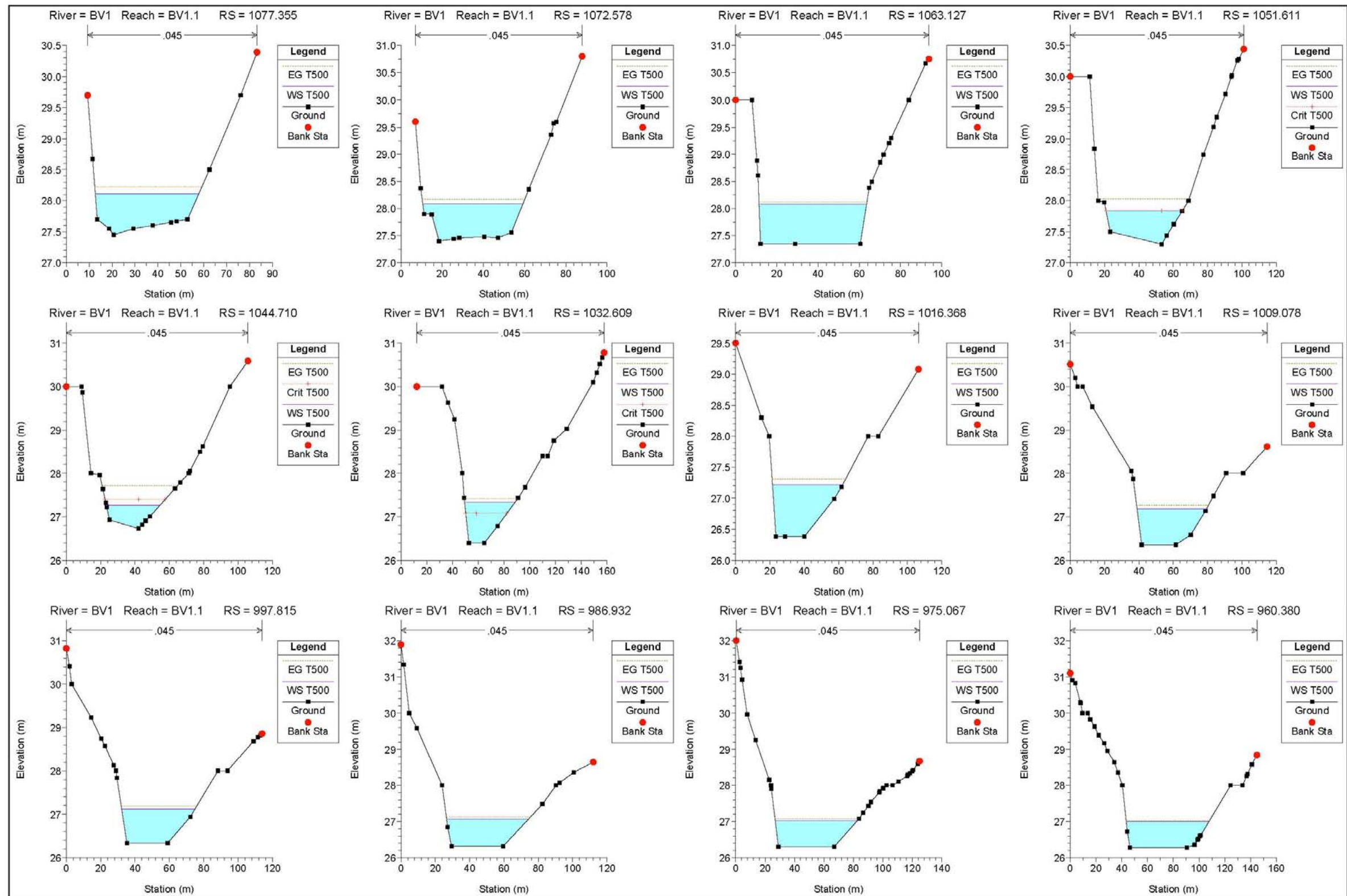




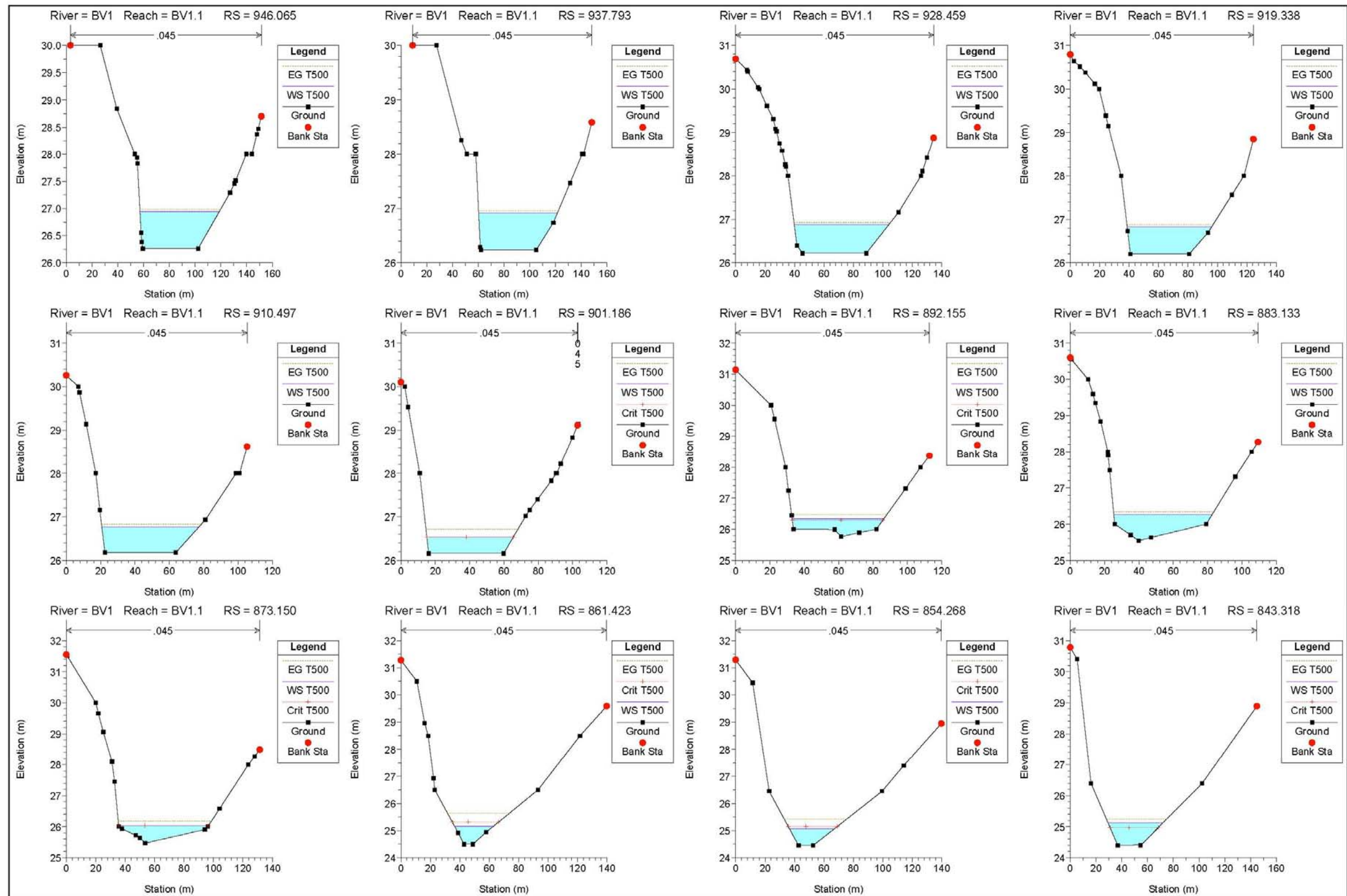
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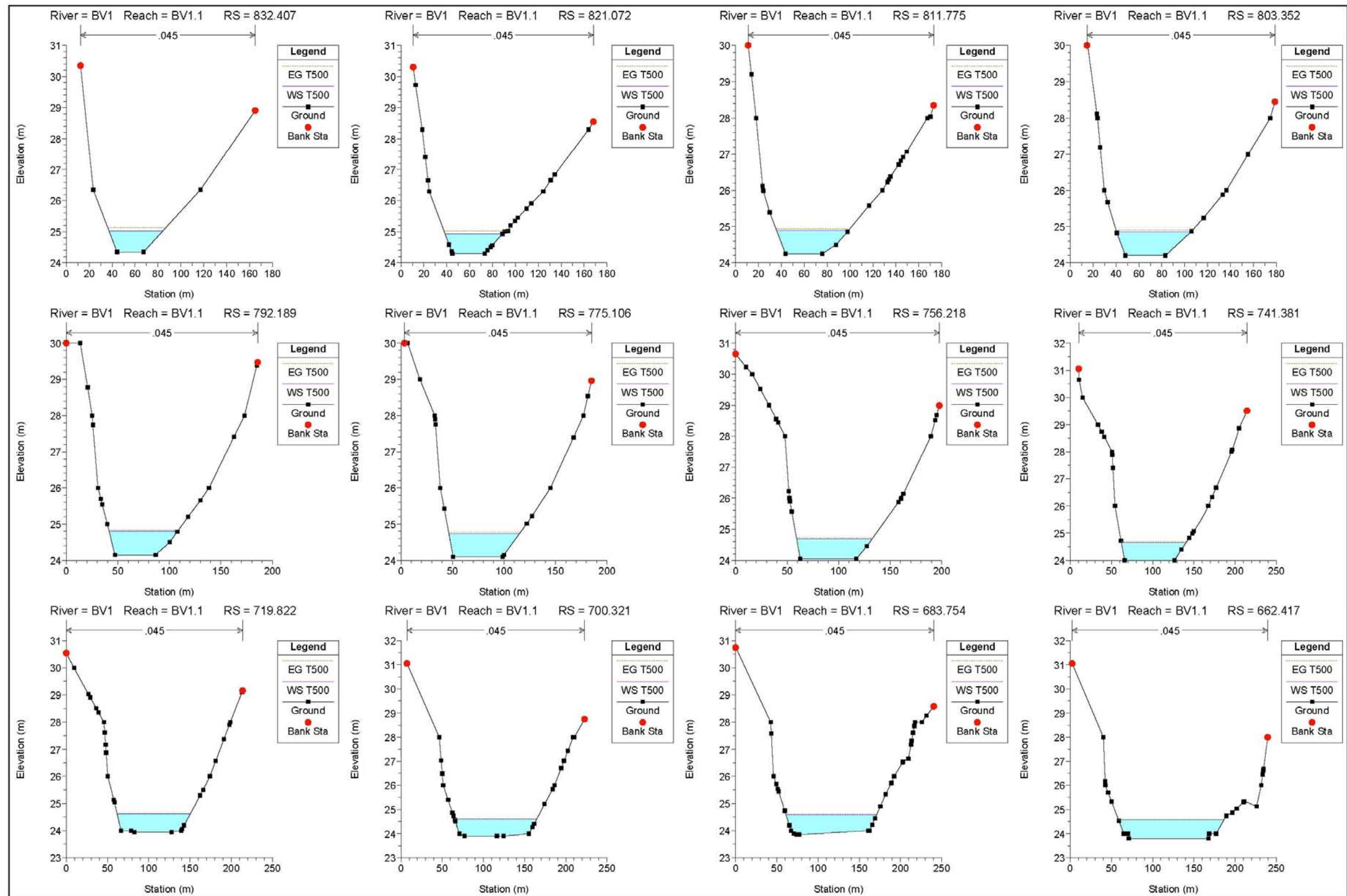
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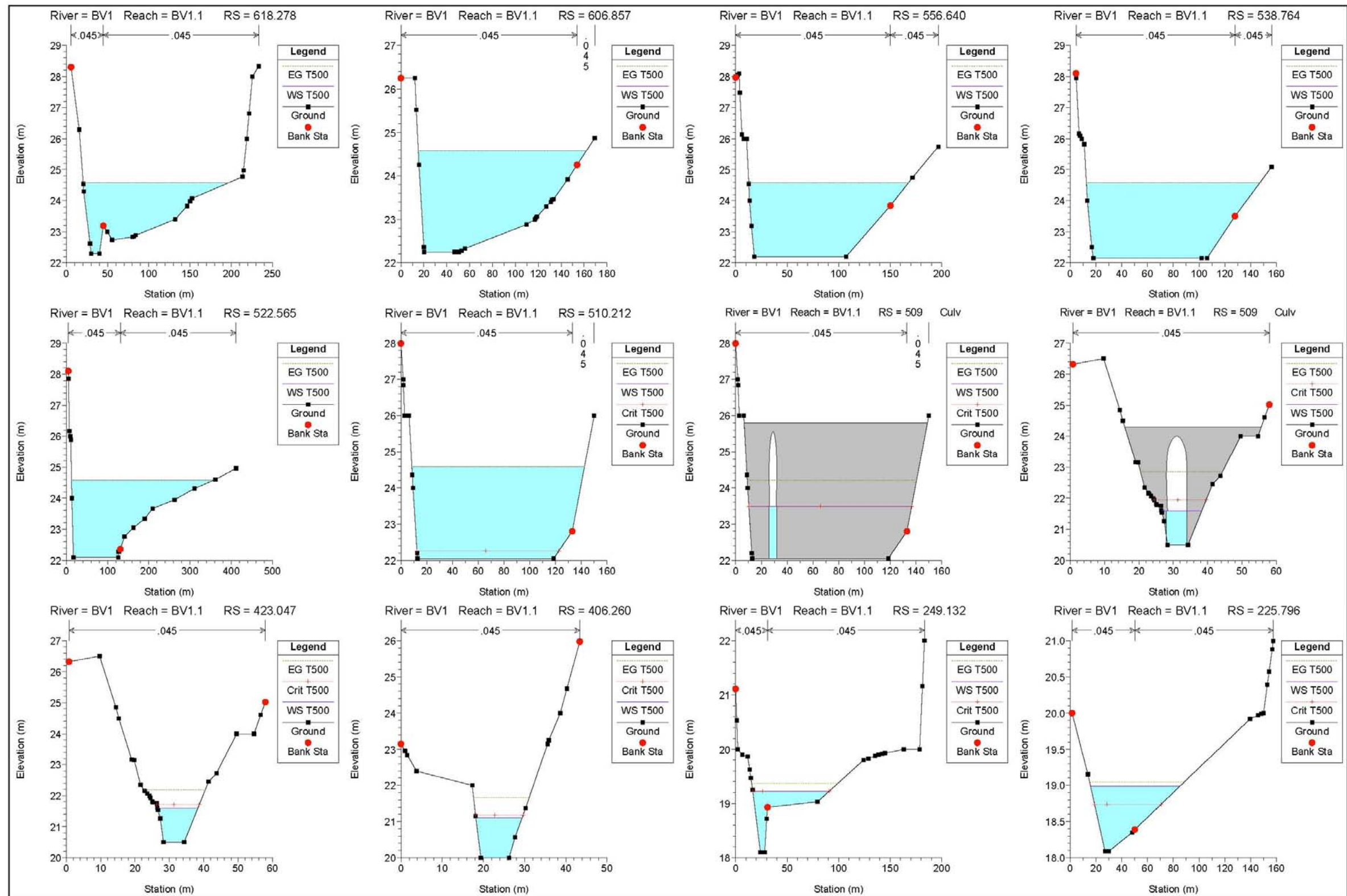
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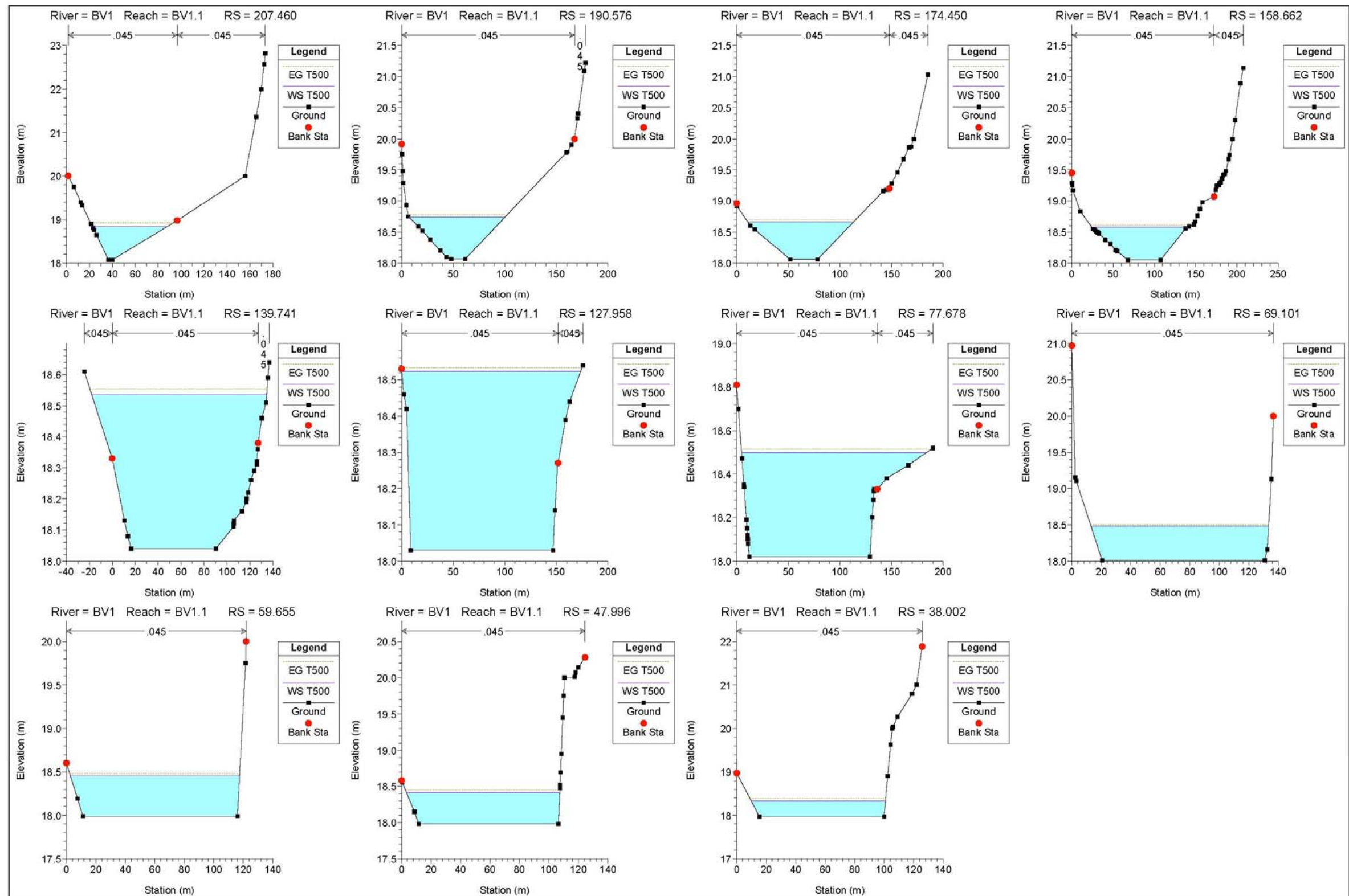


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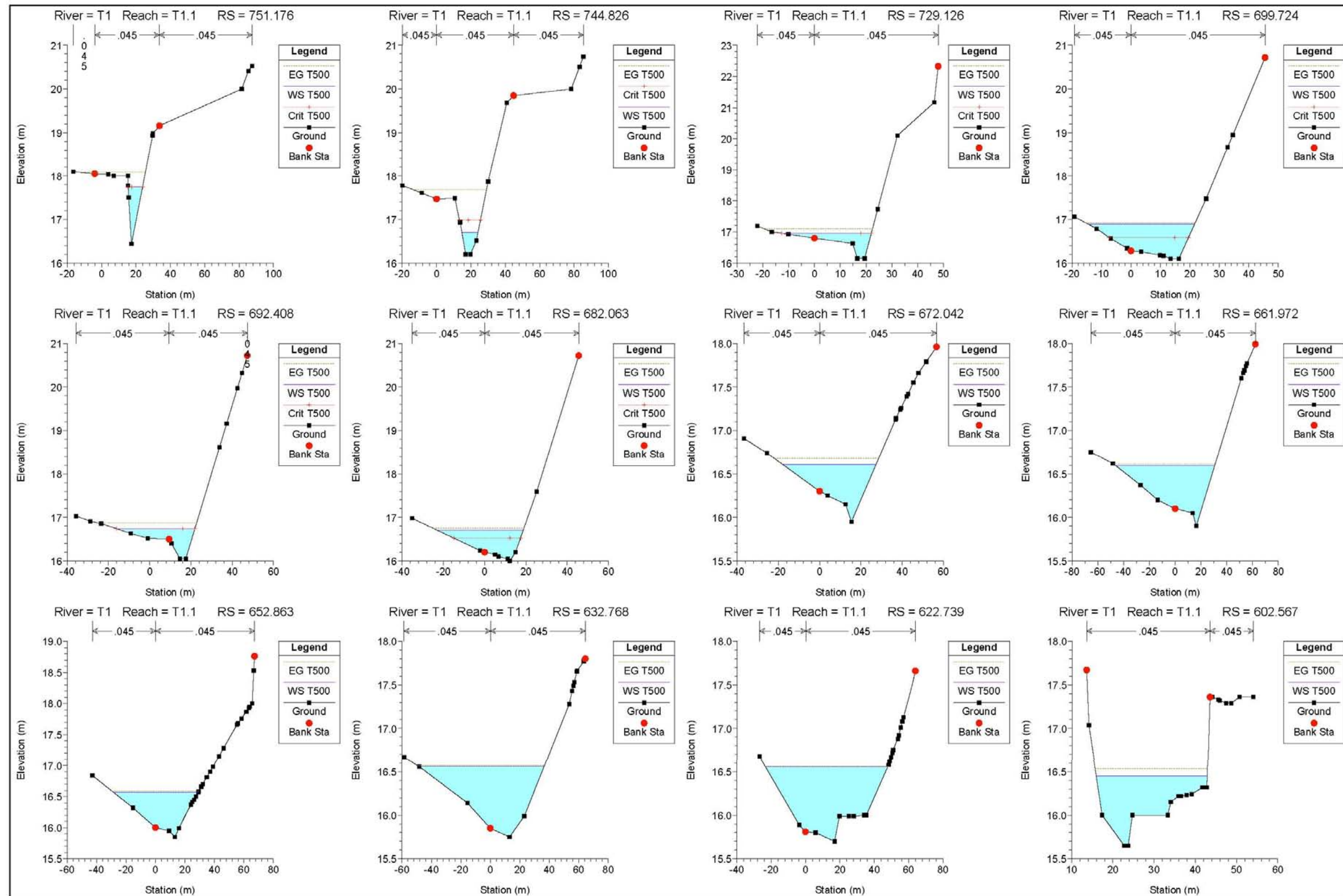
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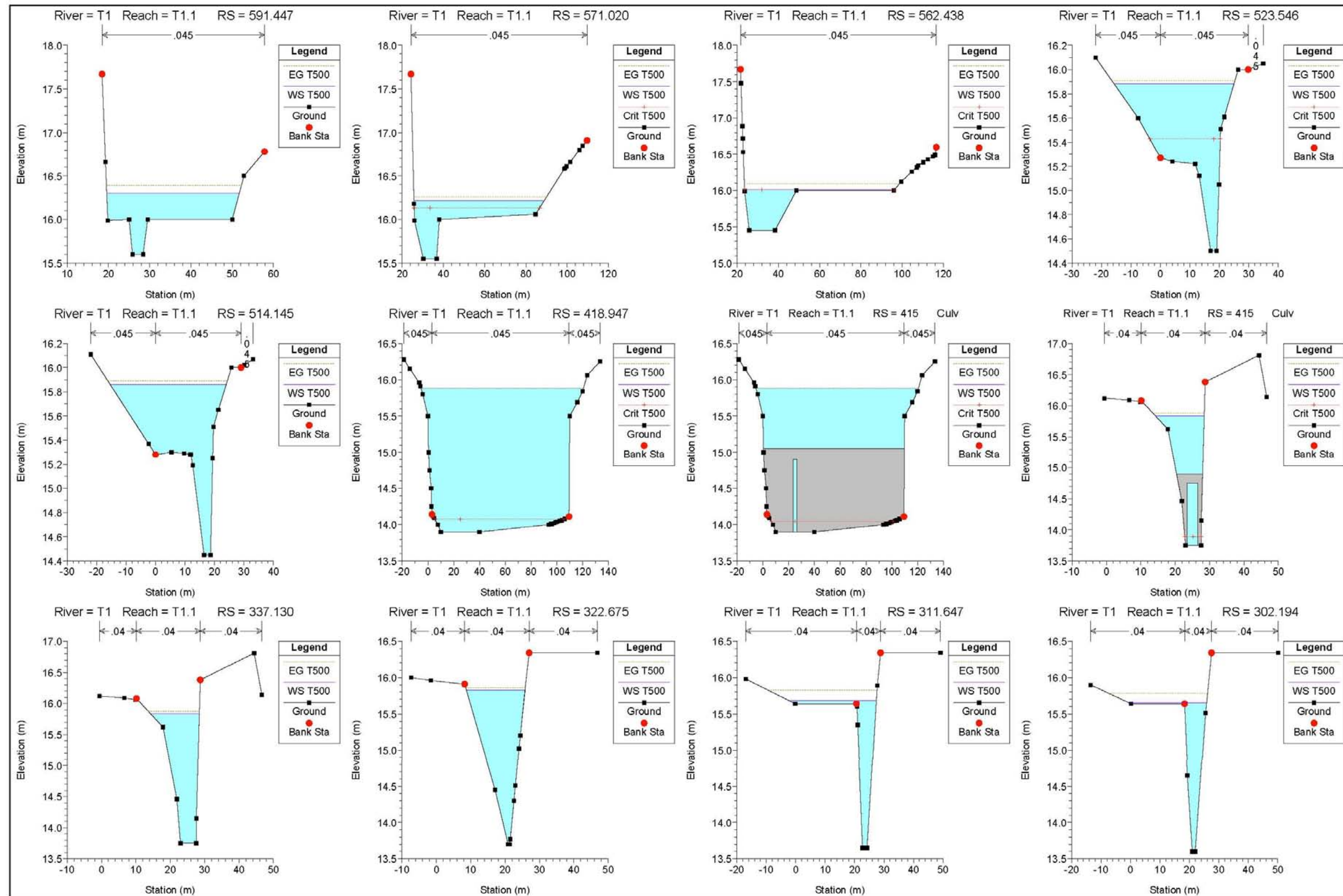


DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

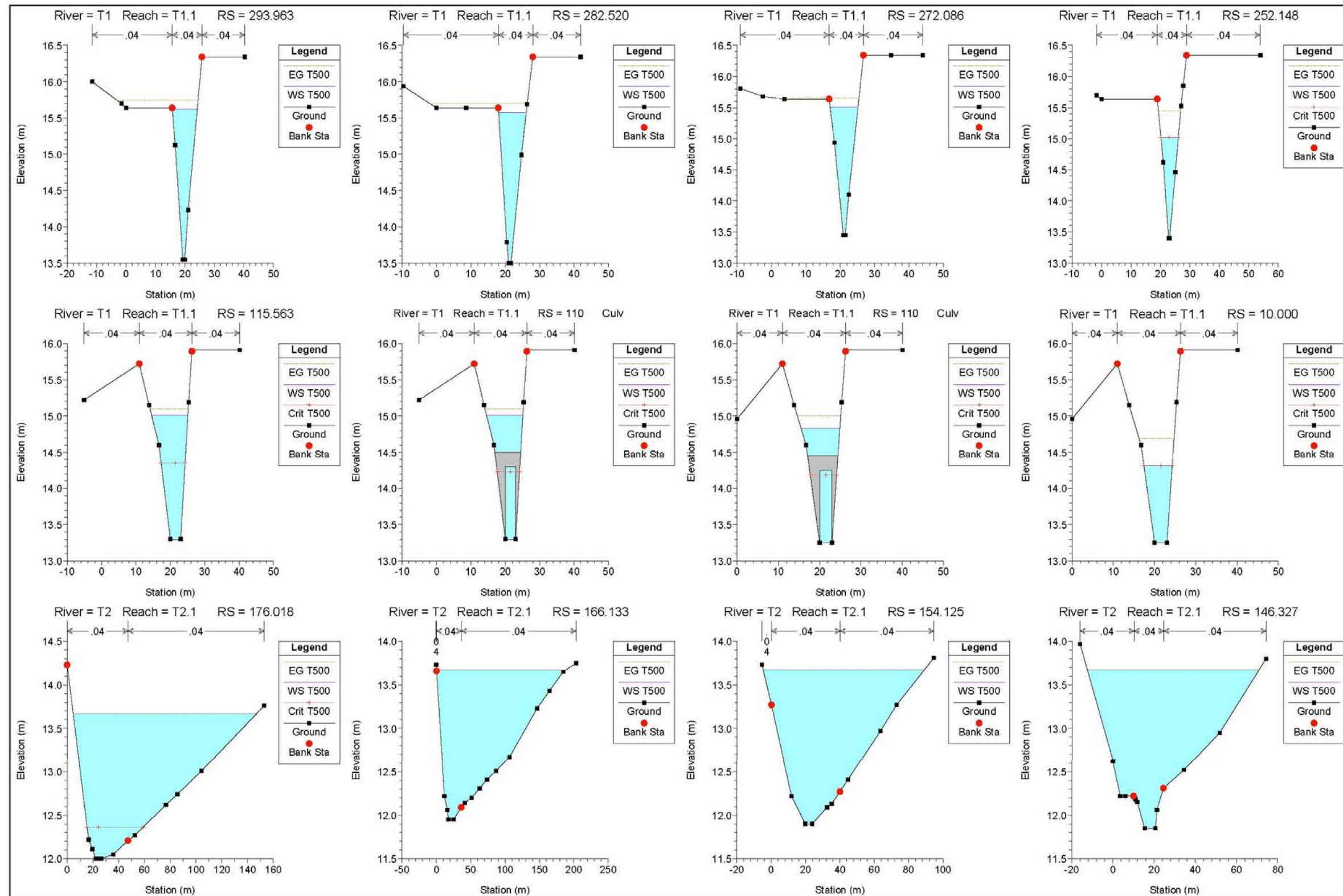
3.7.3.3.- Arroyo Trévez



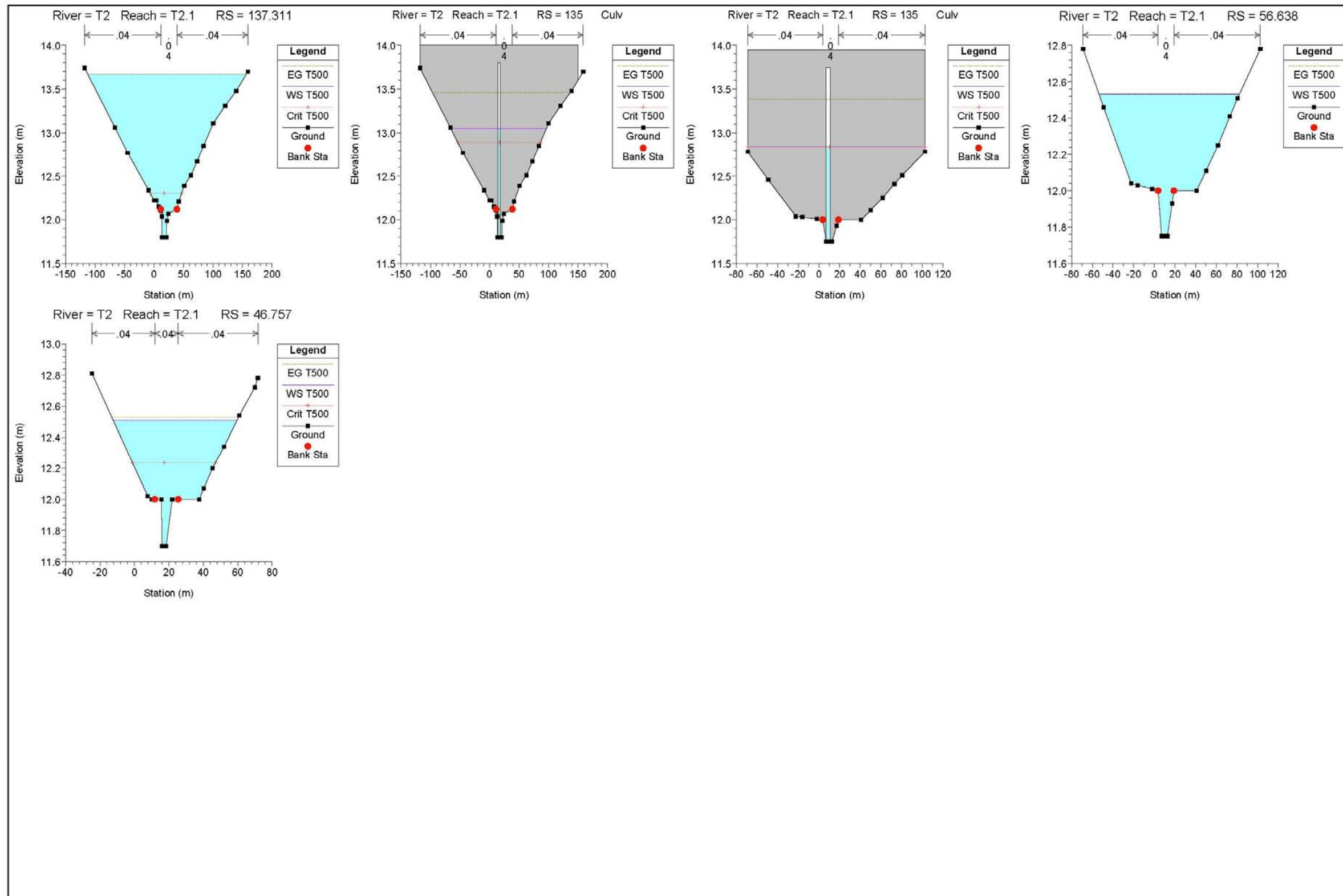
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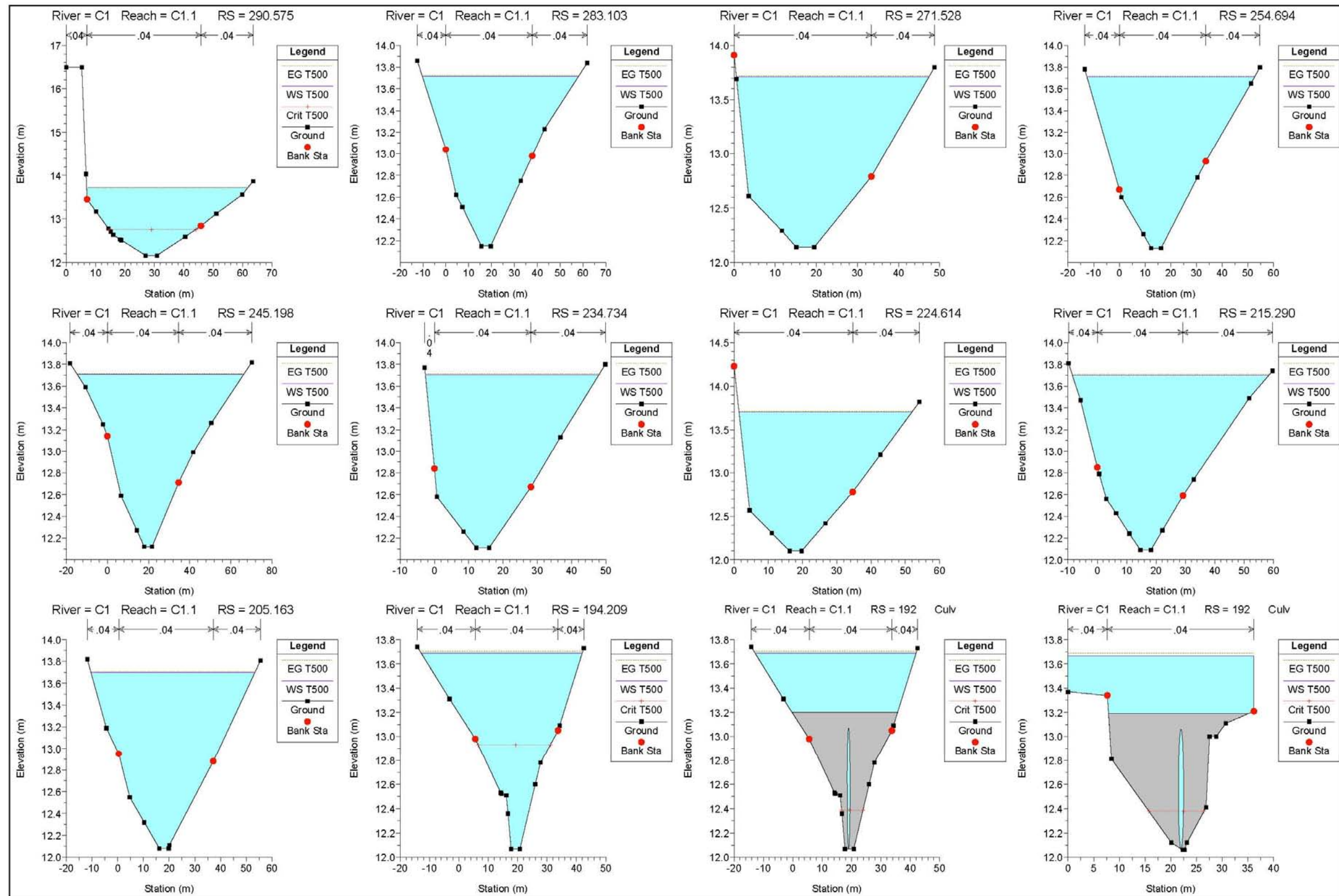
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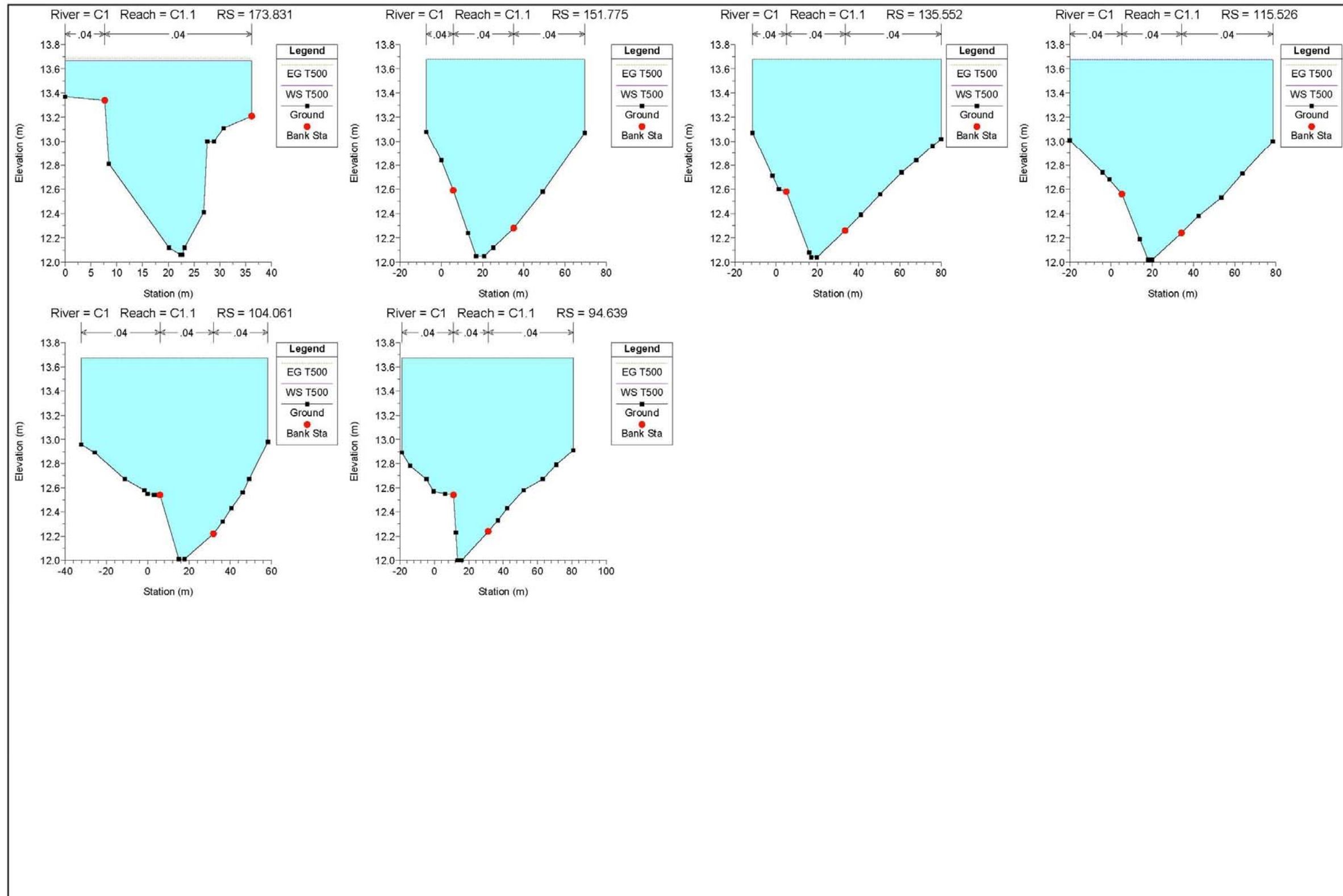


DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION



3.7.3.4.- Arroyo Carambuco





- 3.7.4.- Tablas de resultados
 - 3.7.4.1.- Arroyo Boticario
 - 3.7.4.2.- Arroyo Buenavista
 - 3.7.4.3.- Arroyo Trévez
 - 3.7.4.4.- Arroyo Carambuco

3.7.4.1.- Arroyo Boticario

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	3838.181	T500	11.49	170	170.37	170.45	170.67	0.050073	2.43	4.73	13.76	1.32
B1.1	3823.052	T500	11.49	169	169.38	169.49	169.76	0.073397	2.73	4.21	13.73	1.57
B1.1	3809.339	T500	11.49	168.2	168.43	168.5	168.67	0.079435	2.21	5.2	24.84	1.54
B1.1	3793.132	T500	11.49	167.3	167.96	167.96	168.21	0.026197	2.2	5.22	10.74	1.01
B1.1	3777.927	T500	11.49	166.5	166.7	166.86	167.3	0.216113	3.42	3.36	17.59	2.5
B1.1	3762.41	T500	11.49	164.19	164.75	164.92	165.3	0.084273	3.31	3.47	9.36	1.73
B1.1	3728.988	T500	11.49	161.01	161.67	162.02	162.84	0.195186	4.8	2.39	6.87	2.59
B1.1	3717.576	T500	11.49	160.5	160.87	161.01	161.33	0.074093	2.98	3.86	10.95	1.6
B1.1	3700.108	T500	11.49	160	160.42	160.42	160.61	0.027908	1.97	5.84	14.94	1.01
B1.1	3687.289	T500	11.49	159	159.37	159.55	159.95	0.104617	3.38	3.4	10.44	1.89
B1.1	3673.613	T500	11.49	158	158.44	158.55	158.84	0.059462	2.83	4.07	10.66	1.46
B1.1	3658.224	T500	11.49	157	157.56	157.68	158.01	0.049582	2.96	3.88	8.11	1.37
B1.1	3647.39	T500	11.49	156	156.27	156.48	157.03	0.19071	3.86	2.98	11.76	2.45
B1.1	3637.124	T500	11.49	155.35	155.96	155.99	156.19	0.03369	2.1	5.47	14.72	1.1
B1.1	3627.662	T500	11.49	154.5	154.87	155.08	155.58	0.13236	3.71	3.1	9.86	2.11
B1.1	3607.603	T500	11.49	154	154.47	154.47	154.68	0.02727	2.05	5.6	13.2	1.01
B1.1	3592.607	T500	11.49	152.61	153.32	153.5	153.93	0.103959	3.46	3.32	9.8	1.89
B1.1	3583.473	T500	11.49	152	152.4	152.58	153.01	0.097618	3.45	3.33	9.29	1.84
B1.1	3565.542	T500	11.49	151.8	152.31	152.3	152.52	0.024426	2.03	5.66	12.44	0.96
B1.1	3552.522	T500	11.49	151.6	152.26		152.34	0.006125	1.22	9.42	15.74	0.5
B1.1	3534.22	T500	11.49	151.45	152.15		152.22	0.006531	1.22	9.41	16.48	0.52
B1.1	3523.761	T500	11.49	151.2	151.82	151.82	152.08	0.025714	2.26	5.08	9.79	1
B1.1	3513.093	T500	11.49	150.8	151.23	151.35	151.66	0.06364	2.9	3.96	10.45	1.51
B1.1	3507.426	T500	11.49	150.4	150.83	150.96	151.28	0.067138	2.97	3.86	10.26	1.55
B1.1	3497.053	T500	11.49	150	150.39	150.45	150.67	0.044306	2.35	4.89	13.58	1.25
B1.1	3485.398	T500	11.49	149.05	149.51	149.65	149.96	0.084089	2.97	3.87	12.28	1.69
B1.1	3471.443	T500	11.49	148	148.52	148.65	148.99	0.05826	3.05	3.77	8.56	1.47
B1.1	3456.119	T500	11.49	146	146.35	146.64	147.43	0.198216	4.6	2.5	7.65	2.57
B1.1	3443.093	T500	11.49	145	145.63	145.75	146.12	0.04881	3.1	3.7	7	1.36
B1.1	3433.271	T500	11.49	144	144.43	144.69	145.33	0.131114	4.22	2.73	6.87	2.14
B1.1	3422.762	T500	11.49	143.23	143.69	143.84	144.22	0.072381	3.24	3.54	8.52	1.61
B1.1	3408.501	T500	11.49	142	142.44	142.64	143.08	0.087935	3.53	3.26	8.04	1.77
B1.1	3396.771	T500	11.49	141	141.43	141.62	142.03	0.08878	3.42	3.36	8.87	1.78
B1.1	3386.711	T500	11.49	140	140.36	140.56	141.02	0.112106	3.59	3.2	9.26	1.95
B1.1	3375.425	T500	11.49	139	139.49	139.64	140.03	0.066573	3.26	3.52	7.82	1.55
B1.1	3365.389	T500	11.49	138	138.46	138.68	139.2	0.099011	3.82	3.01	7.1	1.87
B1.1	3353.048	T500	11.49	136.79	137.79	137.93	138.29	0.049381	3.15	3.64	6.76	1.37
B1.1	3335.309	T500	11.49	136	136.4	136.59	137.05	0.103522	3.59	3.2	8.76	1.9
B1.1	3323.176	T500	11.49	135.3	135.69	135.79	136.06	0.056409	2.7	4.26	11.31	1.4
B1.1	3294.965	T500	11.49	134.5	134.76	134.95	135.48	0.219243	3.76	3.06	14.04	2.57
B1.1	3266.609	T500	11.49	133.7	134.27	134.27	134.54	0.026585	2.28	5.04	9.61	1.01

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	3252.202	T500	11.49	133	133.45	133.59	133.94	0.066024	3.12	3.69	8.87	1.54
B1.1	3241.18	T500	11.49	132.2	132.56	132.72	133.09	0.091735	3.22	3.57	10.61	1.77
B1.1	3224.347	T500	11.49	131.51	132	132.04	132.27	0.033689	2.27	5.06	11.93	1.11
B1.1	3213.552	T500	11.49	130.8	131.18	131.33	131.69	0.087167	3.18	3.62	10.6	1.74
B1.1	3198.892	T500	11.49	130	130.45	130.52	130.78	0.041705	2.52	4.56	10.75	1.24
B1.1	3186.247	T500	11.49	128.8	129.37	129.57	130.03	0.080392	3.61	3.18	7.06	1.72
B1.1	3174.04	T500	11.49	128	128.56	128.72	129.11	0.065634	3.27	3.51	7.7	1.55
B1.1	3162.82	T500	11.49	127.3	127.88	128.04	128.42	0.056888	3.26	3.53	6.97	1.46
B1.1	3145.916	T500	11.49	126.5	127.19	127.27	127.61	0.038127	2.87	4	7.04	1.22
B1.1	3127.117	T500	11.49	126	126.48	126.55	126.83	0.042845	2.62	4.39	9.91	1.26
B1.1	3111.919	T500	11.49	125.5	125.87	125.92	126.15	0.043399	2.32	4.95	13.54	1.23
B1.1	3093.007	T500	11.49	125	125.51	125.51	125.72	0.027294	2.05	5.6	13.26	1.01
B1.1	3073.637	T500	11.49	123.5	123.93	124.16	124.69	0.121758	3.87	2.97	8.26	2.06
B1.1	3061.733	T500	11.49	122	122.28	122.48	122.99	0.166273	3.73	3.08	11.56	2.3
B1.1	3051.76	T500	11.49	121	121.6	121.72	122.07	0.051843	3.06	3.76	7.78	1.4
B1.1	3039.99	T500	11.49	120	120.35	120.58	121.11	0.13537	3.85	2.98	8.97	2.13
B1.1	3031.746	T500	11.49	119.56	120.41	120.41	120.65	0.027151	2.19	5.24	10.99	1.01
B1.1	3020.684	T500	11.49	118	118.19	118.47	119.71	0.583716	5.46	2.1	11.43	4.07
B1.1	3007.605	T500	11.49	117	117.4	117.49	117.76	0.051527	2.64	4.35	10.96	1.34
B1.1	2994.891	T500	11.49	116	116.46	116.61	116.99	0.069569	3.22	3.57	8.46	1.58
B1.1	2989.357	T500	11.49	115	115.37	115.64	116.32	0.159529	4.31	2.66	7.37	2.29
B1.1	2981.882	T500	11.49	114	114.73	114.99	115.58	0.076339	4.07	2.83	4.66	1.67
B1.1	2971.785	T500	11.49	112.5	112.91	113.27	114.3	0.215295	5.22	2.2	5.6	2.66
B1.1	2963.482	T500	11.49	111.74	112.41	112.62	113.1	0.075832	3.67	3.13	6.51	1.69
B1.1	2957.437	T500	11.49	110	110.41	110.8	112.16	0.321094	5.85	1.96	5.95	3.25
B1.1	2950.774	T500	11.49	108.71	109.43	109.73	110.49	0.15994	4.56	2.52	6.7	2.37
B1.1	2942.011	T500	11.49	108.4	108.85	109.02	109.39	0.077011	3.26	3.52	8.97	1.66
B1.1	2935.443	T500	11.49	108	108.39	108.54	108.87	0.077264	3.04	3.78	10.82	1.64
B1.1	2923.587	T500	11.49	106	106.36	106.65	107.43	0.189438	4.59	2.5	7.3	2.5
B1.1	2913.6	T500	11.49	104	104.49	104.83	105.69	0.161645	4.85	2.37	5.63	2.39
B1.1	2901.015	T500	11.49	102.44	103.07	103.33	103.9	0.112363	4.02	2.86	7.02	2.01
B1.1	2887.375	T500	11.49	102.3	103.03	102.8	103.12	0.007465	1.37	8.4	13.67	0.56
B1.1	2878.392	T500	11.49	102.2	102.77	102.75	103	0.023839	2.12	5.42	10.97	0.96
B1.1	2869.054	T500	11.49	102	102.53	102.53	102.76	0.02658	2.15	5.35	11.51	1.01
B1.1	2861.244	T500	11.49	100.74	101.31	101.6	102.32	0.152838	4.45	2.58	6.86	2.31
B1.1	2852.951	T500	11.49	100.6	101.34	101.2	101.48	0.012005	1.65	6.98	12.24	0.7
B1.1	2843.603	T500	11.49	100.5	101.1	101.07	101.33	0.022037	2.09	5.49	10.65	0.93
B1.1	2835.375	T500	11.49	100.4	101.02		101.16	0.012864	1.66	6.93	12.79	0.72
B1.1	2823.126	T500	11.49	100.3	100.87		101	0.013312	1.59	7.23	14.62	0.72
B1.1	2815.161	T500	11.49	100.2	100.8		100.9	0.010331	1.42	8.08	16.02	0.64
B1.1	2804.896	T500	11.49	100.1	100.53	100.53	100.73	0.027928	1.95	5.89	15.26	1
B1.1	2794.93	T500	11.49	99.08	99.67	99.84	100.23	0.089284	3.32	3.46	9.62	1.77
B1.1	2781.755	T500	11.49	98	98.47	98.66	99.09	0.083591	3.47	3.31	8.16	1.74
B1.1	2772.235	T500	11.49	97.9	98.6	98.49	98.77	0.014409	1.84	6.25	10.67	0.77
B1.1	2762.09	T500	11.49	97.8	98.45		98.63	0.014437	1.84	6.23	10.45	0.76

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	2752.68	T500	11.49	97.7	98.38		98.5	0.009118	1.53	7.51	11.74	0.61
B1.1	2744.896	T500	11.49	97.6	98.14	98.14	98.38	0.026505	2.15	5.36	11.56	1.01
B1.1	2732.341	T500	11.49	96.7	97.19	97.38	97.81	0.079812	3.48	3.3	7.73	1.7
B1.1	2723.72	T500	11.49	95.8	96.15	96.38	96.92	0.135556	3.87	2.97	8.73	2.12
B1.1	2714.102	T500	11.49	94.9	95.24	95.39	95.76	0.095202	3.2	3.59	10.92	1.78
B1.1	2701.948	T500	11.49	94	94.89	94.46	94.95	0.003288	1.08	10.61	12.37	0.37
B1.1	2692.224	T500	11.49	93.8	94.54	94.54	94.85	0.025447	2.47	4.65	7.53	1.01
B1.1	2679.797	T500	11.49	93.6	94.21	94.23	94.51	0.029153	2.44	4.7	8.77	1.07
B1.1	2667.944	T500	11.49	93.4	93.97	93.88	94.13	0.015233	1.77	6.49	12.11	0.77
B1.1	2654.401	T500	11.49	93.2	93.84		93.96	0.009416	1.51	7.63	12.51	0.62
B1.1	2641.375	T500	11.49	93	93.8		93.87	0.003858	1.11	10.35	13.58	0.41
B1.1	2628.116	T500	11.49	92.8	93.6	93.45	93.77	0.012412	1.82	6.3	9.61	0.72
B1.1	2614.51	T500	11.49	92.6	93.25	93.25	93.53	0.025658	2.34	4.91	8.89	1.01
B1.1	2599.654	T500	11.49	92.4	92.99	92.85	93.11	0.011239	1.52	7.54	14.21	0.67
B1.1	2590.033	T500	11.49	92.2	92.7	92.7	92.94	0.026755	2.14	5.36	11.58	1.01
B1.1	2582.647	T500	11.49	92	92.39	92.45	92.68	0.044543	2.4	4.79	12.82	1.25
B1.1	2569.581	T500	11.49	91.2	91.78	91.85	92.12	0.040566	2.59	4.44	9.92	1.23
B1.1	2558.589	T500	11.49	90.8	91.22	91.32	91.59	0.057787	2.7	4.26	11.75	1.43
B1.1	2549.532	T500	11.49	90.4	90.63	90.72	90.93	0.086846	2.43	4.74	20.93	1.63
B1.1	2535.86	T500	11.49	90	90.44	90.41	90.6	0.021569	1.8	6.38	15.36	0.89
B1.1	2523.098	T500	11.49	89.6	90.06	90.06	90.28	0.027255	2.07	5.55	12.85	1.01
B1.1	2513.315	T500	11.49	89	89.31	89.46	89.81	0.100858	3.13	3.67	12.25	1.82
B1.1	2503.633	T500	11.49	88.5	88.8	88.86	89.06	0.051951	2.23	5.15	17.12	1.3
B1.1	2449.552	T500	11.49	88	88.52	88.46	88.68	0.018125	1.74	6.59	14.67	0.83
B1.1	2431.328	T500	11.49	87.8	88.1	88.1	88.24	0.030568	1.7	6.77	23.34	1
B1.1	2419.233	T500	11.49	86	86.28	86.55	87.34	0.245018	4.55	2.53	9.23	2.78
B1.1	2405.601	T500	11.49	84.99	85.76	85.82	86.13	0.034929	2.73	4.22	7.54	1.16
B1.1	2392.982	T500	11.49	84	84.44	84.71	85.33	0.124096	4.17	2.76	6.8	2.09
B1.1	2382.128	T500	11.49	83.75	84.45	84.45	84.77	0.025778	2.49	4.61	7.37	1.01
B1.1	2368.819	T500	11.49	83.5	83.95	84.03	84.31	0.046722	2.66	4.32	10.13	1.3
B1.1	2361.153	T500	11.49	83.3	83.76	83.8	84.04	0.033537	2.32	4.96	11.1	1.11
B1.1	2349.372	T500	11.49	83.05	83.66	83.54	83.81	0.013544	1.74	6.6	11.31	0.73
B1.1	2335.636	T500	11.49	82.8	83.32	83.31	83.56	0.024839	2.14	5.37	10.79	0.97
B1.1	2323.632	T500	11.49	82.6	83.1		83.27	0.020082	1.81	6.36	14.48	0.87
B1.1	2307.144	T500	11.49	82.2	82.69	82.68	82.9	0.025073	2	5.76	13.25	0.97
B1.1	2293.349	T500	11.49	81.9	82.33	82.33	82.53	0.028067	1.95	5.91	15.52	1.01
B1.1	2275.141	T500	11.49	81.2	81.56	81.75	82.21	0.163584	3.58	3.21	12.65	2.27
B1.1	2263.594	T500	11.49	80.6	81.07	81.1	81.31	0.034441	2.2	5.23	13.33	1.12
B1.1	2251.805	T500	11.49	79.7	79.95	80.12	80.55	0.156638	3.41	3.37	13.8	2.21
B1.1	2242.173	T500	11.49	79.6	79.97	79.97	80.12	0.029945	1.75	6.57	21.36	1.01
B1.1	2233.711	T500	11.49	78.88	79.52	79.59	79.8	0.046471	2.34	4.9	14.25	1.28
B1.1	2224.153	T500	11.49	78	78.43	78.63	79.09	0.115432	3.62	3.17	9.41	1.99
B1.1	2215.827	T500	11.49	77.7	78.25	78.27	78.53	0.03033	2.34	4.91	10.09	1.07
B1.1	2205.373	T500	11.49	77.4	77.93	77.95	78.21	0.029683	2.33	4.93	9.95	1.06
B1.1	2193.321	T500	11.49	77.1	77.57	77.6	77.84	0.0341	2.31	4.98	11.56	1.12

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	2185.699	T500	11.49	76.8	77.16	77.25	77.5	0.057091	2.59	4.44	12.8	1.4
B1.1	2172.632	T500	11.49	76.5	76.91	76.91	77.12	0.028516	2	5.73	14.15	1.01
B1.1	2164.999	T500	11.49	76	76.62	76.63	76.89	0.028567	2.31	4.98	10.16	1.05
B1.1	2156.747	T500	11.49	75.7	76.01	76.15	76.48	0.095746	3.04	3.78	12.69	1.78
B1.1	2149.121	T500	11.49	75.4	75.82	75.9	76.16	0.047375	2.58	4.45	11.12	1.3
B1.1	2140.802	T500	11.49	75.1	75.71	75.56	75.83	0.010459	1.54	7.45	12.85	0.65
B1.1	2130.399	T500	11.49	74.9	75.65		75.74	0.005936	1.32	8.7	11.9	0.49
B1.1	2119.054	T500	11.49	74.6	75.66		75.7	0.001563	0.84	13.76	13.81	0.27
B1.1	2105.952	T500	11.49	74.4	75.37	75.37	75.62	0.025923	2.24	5.14	10.21	1.01
B1.1	2094.92	T500	11.49	74	74.49	74.68	75.1	0.091484	3.47	3.31	8.65	1.79
B1.1	2084.707	T500	11.49	73.8	74.46	74.45	74.72	0.024952	2.22	5.17	9.84	0.98
B1.1	2075.887	T500	11.49	73.6	74.23	74.23	74.49	0.026506	2.26	5.08	9.8	1
B1.1	2066.266	T500	11.49	73.4	73.85	73.92	74.17	0.041669	2.49	4.61	11.07	1.23
B1.1	2056.058	T500	11.49	73.2	73.5	73.54	73.71	0.041995	2.01	5.72	19.31	1.18
B1.1	2043.892	T500	11.49	73	73.44	73.3	73.51	0.008339	1.14	10.04	23.19	0.55
B1.1	2025.61	T500	11.49	72.8	73.17		73.28	0.018529	1.51	7.6	21.28	0.81
B1.1	2013.233	T500	11.49	72.6	73.03		73.11	0.009853	1.23	9.37	22.09	0.6
B1.1	2001.179	T500	11.49	72.4	73		73.03	0.003149	0.86	13.41	22.8	0.36
B1.1	1989.718	T500	11.49	72	72.99		73.01	0.001013	0.66	17.48	18.09	0.21
B1.1	1980.395	T500	11.49	71.8	72.69	72.69	72.96	0.025681	2.31	4.98	9.29	1.01
B1.1	1962.098	T500	11.49	71.6	72	72.07	72.32	0.048718	2.52	4.56	12.16	1.31
B1.1	1951.548	T500	11.49	71.4	71.84	71.81	72.01	0.022083	1.84	6.24	14.46	0.9
B1.1	1939.122	T500	11.49	71.2	71.55	71.54	71.71	0.027063	1.77	6.5	18.99	0.96
B1.1	1929.732	T500	11.49	71	71.36		71.48	0.019395	1.54	7.47	20.95	0.82
B1.1	1920.016	T500	11.49	70.8	71.27		71.35	0.008511	1.21	9.48	20.34	0.57
B1.1	1897.393	T500	11.49	70.33	70.97	70.97	71.18	0.027483	2.04	5.64	13.64	1.01
B1.1	1890.429	T500	11.49	70	70.39	70.53	70.85	0.083023	3.02	3.81	11.63	1.68
B1.1	1879.453	T500	11.49	68	68.5	68.8	69.56	0.159337	4.56	2.52	6.62	2.36
B1.1	1868.057	T500	11.49	66.36	67.08	67.38	68.02	0.111157	4.28	2.68	5.87	2.02
B1.1	1856.737	T500	11.49	64	64.37	64.73	65.92	0.30867	5.51	2.08	6.76	3.17
B1.1	1848.396	T500	11.49	62.11	62.8	63.15	64.07	0.167364	4.99	2.3	5.38	2.44
B1.1	1843.42	T500	11.49	62	62.34	62.57	63.15	0.152486	3.99	2.88	8.96	2.25
B1.1	1835.884	T500	11.49	60.76	61.55	61.75	62.22	0.097102	3.62	3.17	8.22	1.86
B1.1	1828.276	T500	11.49	58.51	59.29	59.74	61.01	0.222413	5.82	1.98	4.47	2.79
B1.1	1812.88	T500	11.49	54	54.28	54.67	56.22	0.460459	6.17	1.86	6.8	3.76
B1.1	1807.769	T500	11.49	53.7	54.1	54.32	54.84	0.111164	3.8	3.03	7.87	1.95
B1.1	1799.276	T500	11.49	53.3	53.9	53.94	54.25	0.033667	2.64	4.35	7.69	1.12
B1.1	1790.07	T500	11.49	52.8	53.73	53.66	54.03	0.019369	2.41	4.77	6.26	0.88
B1.1	1779.099	T500	11.49	52.6	53.4	53.4	53.77	0.027403	2.7	4.26	5.8	1.01
B1.1	1769.323	T500	11.49	52.4	53.06	53.13	53.45	0.036776	2.79	4.11	7.42	1.2
B1.1	1758.987	T500	11.49	52.2	52.81	52.91	53.24	0.042674	2.88	3.99	7.7	1.28
B1.1	1749.096	T500	11.49	52	52.77	52.54	52.87	0.007855	1.46	7.89	11.99	0.57
B1.1	1741.677	T500	11.49	51.9	52.74		52.81	0.004535	1.16	9.9	14	0.44
B1.1	1731.003	T500	11.49	51.8	52.58		52.73	0.011733	1.72	6.66	10.72	0.7
B1.1	1719.468	T500	11.49	51.6	52.24	52.24	52.53	0.025882	2.39	4.81	8.37	1.01

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	1709.456	T500	11.49	51.4	51.91	51.96	52.23	0.034674	2.48	4.63	9.57	1.14
B1.1	1701.943	T500	11.49	51.2	51.65	51.7	51.95	0.038603	2.43	4.73	10.96	1.18
B1.1	1692.8	T500	11.49	51	51.4	51.5	51.77	0.056841	2.7	4.25	11.37	1.41
B1.1	1682.777	T500	11.49	50.8	51.5	51.28	51.61	0.007512	1.41	8.13	12.37	0.56
B1.1	1672.533	T500	11.49	50.7	51.42		51.52	0.009124	1.41	8.17	14.78	0.6
B1.1	1659.837	T500	11.49	50.6	51.09	51.09	51.32	0.02742	2.11	5.44	12.09	1.01
B1.1	1652.404	T500	11.49	50.4	50.97	50.9	51.11	0.01733	1.67	6.88	15.75	0.81
B1.1	1640.956	T500	11.49	50.3	50.87		50.95	0.009357	1.24	9.29	21.8	0.6
B1.1	1632.217	T500	11.49	50.2	50.81		50.88	0.007053	1.19	9.66	18.69	0.53
B1.1	1621.668	T500	11.49	50.1	50.74		50.81	0.006209	1.14	10.06	18.94	0.5
B1.1	1613.213	T500	11.49	50	50.74		50.77	0.001991	0.72	15.89	25.36	0.29
B1.1	1602.16	T500	11.49	49.9	50.72		50.75	0.001847	0.76	15.09	20.92	0.29
B1.1	1591.875	T500	11.49	49.7	50.44	50.44	50.68	0.020912	2.18	5.27	11.11	1.01
B1.1	1582.289	T500	11.49	49.5	49.98	50.09	50.39	0.043405	2.84	4.05	9.92	1.42
B1.1	1571.376	T500	11.49	49.2	49.79	49.77	50.02	0.018564	2.13	5.39	10.67	0.96
B1.1	1559.726	T500	11.49	49	49.55	49.55	49.79	0.020903	2.18	5.27	11	1.01
B1.1	1550.831	T500	11.49	48.8	49.29	49.33	49.57	0.028331	2.37	4.85	11.3	1.15
B1.1	1541.125	T500	11.49	48.6	48.94	49.01	49.24	0.043804	2.42	4.74	14.83	1.37
B1.1	1531.494	T500	11.49	48.4	48.92	48.74	48.99	0.005599	1.16	9.92	20	0.52
B1.1	1522.839	T500	11.49	48.2	48.92		48.95	0.001938	0.8	14.3	22.72	0.32
B1.1	1510.753	T500	11.49	47.8	48.59	48.59	48.87	0.020007	2.37	4.84	8.58	1.01
B1.1	1498.283	T500	11.49	47.5	47.85	48.02	48.41	0.076913	3.3	3.48	10.32	1.82
B1.1	1483.049	T500	11.49	47.2	47.72	47.72	47.97	0.021057	2.21	5.2	10.55	1
B1.1	1470.351	T500	11.49	46.9	47.4	47.42	47.68	0.024621	2.33	4.93	10.37	1.08
B1.1	1461.097	T500	11.49	46.6	47.05	47.12	47.39	0.0364	2.62	4.38	10.48	1.29
B1.1	1453.441	T500	11.49	46.3	46.7	46.8	47.08	0.044129	2.73	4.21	10.93	1.41
B1.1	1441.266	T500	11.49	45.9	46.71	46.51	46.86	0.007887	1.71	6.73	9.46	0.65
B1.1	1429.359	T500	11.49	45.5	46.35	46.35	46.69	0.02008	2.59	4.43	6.56	1.01
B1.1	1412.832	T500	11.49	45	45.38	45.58	46.05	0.087089	3.63	3.16	8.94	1.95
B1.1	1399.038	T500	11.49	44.6	45.18	45.15	45.4	0.017959	2.11	5.45	10.65	0.94
B1.1	1385.737	T500	11.49	44.3	44.89	44.89	45.15	0.020615	2.23	5.16	10.35	1.01
B1.1	1370.256	T500	11.49	44	44.71	44.59	44.89	0.011289	1.87	6.14	9.99	0.76
B1.1	1346.839	T500	11.49	43.6	44.36	44.36	44.68	0.019985	2.48	4.63	7.47	1.01
B1.1	1338.451	T500	11.49	43.2	43.72	43.92	44.37	0.060558	3.58	3.21	6.9	1.67
B1.1	1327.797	T500	11.49	42.8	43.52	43.56	43.9	0.024784	2.73	4.21	6.84	1.11
B1.1	1319.884	T500	11.49	42.4	42.9	43.11	43.57	0.06329	3.61	3.18	6.96	1.71
B1.1	1309.318	T500	11.49	42	42.55	42.66	43	0.037692	2.97	3.87	7.65	1.33
B1.1	1299.137	T500	11.49	41.6	42.47	42.47	42.82	0.019936	2.6	4.42	6.49	1.01
B1.1	1288.038	T500	11.49	41.2	41.64	41.86	42.38	0.081047	3.82	3.01	7.25	1.89
B1.1	1277.942	T500	11.49	40.8	41.85	41.39	41.94	0.003198	1.28	8.95	9.26	0.42
B1.1	1267.517	T500	11.49	40.4	41.89		41.91	0.00054	0.64	17.85	14.32	0.18
B1.1	1258.763	T500	11.49	40	41.89		41.9	0.000382	0.56	20.51	16.02	0.16
B1.1	1247.53	T500	11.49	39.73	41.88	40.66	41.9	0.000464	0.58	19.64	16.27	0.17
B1.1	1245		Culvert									
B1.1	1208.448	T500	11.49	39.5	40.46	40.46	40.78	0.020323	2.53	4.55	7.08	0.17

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	1197.856	T500	11.49	39.3	40.07	40.15	40.52	0.02861	2.98	3.86	6	1.18
B1.1	1188.575	T500	11.49	39.15	39.9	39.95	40.32	0.026205	2.88	3.99	5.87	1.11
B1.1	1177.841	T500	11.49	38.85	39.98	39.63	40.12	0.005624	1.66	6.91	7.42	0.55
B1.1	1168.19	T500	11.49	38.7	39.97		40.07	0.003185	1.34	8.59	8.47	0.42
B1.1	1157.204	T500	11.49	38.55	39.96		40.03	0.002358	1.21	9.52	8.67	0.37
B1.1	1145.79	T500	11.49	38.4	39.96		40	0.001274	0.94	12.27	10.6	0.28
B1.1	1134.631	T500	11.49	38.2	39.96		39.99	0.000711	0.75	15.25	11.77	0.21
B1.1	1118.821	T500	11.49	38	39.96		39.98	0.00044	0.63	18.21	12.76	0.17
B1.1	1099.847	T500	11.49	37.8	39.95	38.41	39.97	0.000257	0.52	22.13	13.61	0.13
B1.1	1095		Culvert									
B1.1	1040.167	T500	11.49	37.5	38.33	38.33	38.7	0.020605	2.68	4.29	5.96	1.01
B1.1	1018.053	T500	11.49	37	37.57	37.7	38.06	0.040834	3.11	3.7	7.3	1.39
B1.1	999.146	T500	11.49	36.7	37.4	37.39	37.69	0.019463	2.41	4.78	7.92	0.99
B1.1	978.893	T500	11.49	36.35	37	37	37.29	0.020234	2.35	4.88	8.73	1.01
B1.1	959.617	T500	11.49	36	36.57	36.59	36.86	0.024241	2.41	4.78	9.55	1.09
B1.1	939.499	T500	11.49	35	35.81	35.92	36.29	0.03086	3.08	3.74	5.91	1.23
B1.1	918.682	T500	11.49	34.5	35.04	35.17	35.5	0.047721	3.01	3.82	9.14	1.48
B1.1	898.383	T500	11.49	34	34.54	34.55	34.79	0.022778	2.23	5.16	11.14	1.04
B1.1	877.086	T500	11.49	32	32.39	32.71	33.63	0.181458	4.94	2.33	7.19	2.77
B1.1	839.357	T500	11.49	30	30.43	30.65	31.15	0.082226	3.75	3.06	7.84	1.91
B1.1	823.459	T500	11.49	28	30.12	28.98	30.17	0.001109	0.93	12.33	8.95	0.25
B1.1	820		Culvert									
B1.1	769.646	T500	11.49	26	26.71	26.88	27.31	0.042168	3.42	3.36	5.7	0.25
B1.1	750.091	T500	11.49	25.6	26.34	26.35	26.67	0.020472	2.54	4.53	7.07	1.01
B1.1	728.03	T500	11.49	25.2	26.13	25.82	26.24	0.005106	1.48	7.74	9.61	0.53
B1.1	717.495	T500	11.49	24.8	26.15		26.2	0.001242	0.92	12.52	10.7	0.27
B1.1	703.033	T500	11.49	24.4	26.14		26.18	0.001	0.85	13.58	11.17	0.24
B1.1	692.897	T500	11.49	24	26.15	24.71	26.17	0.000442	0.62	18.42	12.82	0.17
B1.1	690		Culvert									
B1.1	647.023	T500	11.49	23.6	24.22	24.22	24.5	0.020366	2.34	4.91	8.86	1
B1.1	629.017	T500	11.49	23.2	23.71	23.77	24.05	0.031255	2.58	4.45	9.69	1.22
B1.1	607.583	T500	11.49	22.8	23.51	23.34	23.64	0.008303	1.65	6.98	10.93	0.66
B1.1	589.103	T500	11.49	22.4	23.52		23.56	0.00146	0.89	12.95	13.71	0.29
B1.1	567.552	T500	11.49	22	23.32		23.49	0.007018	1.8	6.38	7.33	0.62
B1.1	548.732	T500	11.49	21.85	23.21		23.36	0.006191	1.74	6.62	7.17	0.58
B1.1	528.263	T500	11.49	21.7	23.15		23.25	0.003521	1.42	8.07	7.64	0.44
B1.1	507.817	T500	11.49	21.55	23.06		23.17	0.004032	1.52	7.57	6.91	0.46
B1.1	487.532	T500	11.49	21.4	22.94		23.08	0.004876	1.65	6.97	6.25	0.5
B1.1	473.356	T500	11.49	21.3	22.95	22.08	23.02	0.002086	1.21	9.53	6.48	0.32
B1.1	470		Culvert									
B1.1	381.913	T500	11.49	21.1	22.68		22.72	0.001303	0.96	11.98	9.45	0.27
B1.1	369.879	T500	11.49	20.95	22.68		22.71	0.000421	0.69	16.57	11.64	0.19
B1.1	353.603	T500	11.49	20.8	22.68		22.7	0.000357	0.66	17.42	11.06	0.17
B1.1	337.512	T500	11.49	20.8	22.67		22.7	0.000394	0.69	16.55	10.58	0.18
B1.1	322.625	T500	11.49	20.65	22.68	21.13	22.69	0.000071	0.31	40.16	50.61	0.08

HEC-RAS Plan: TREV River: B1 Reach: B1.1 Profile: T500

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
B1.1	320											
B1.1		Culvert										
B1.1	291.179	T500	11.49	20.5	21.86		21.97	0.002888	1.45	7.93	7.5	0.45
B1.1	271.904	T500	11.49	20.35	21.82		21.92	0.0023	1.35	8.5	7.76	0.41
B1.1	259.842	T500	11.49	20.15	21.87		21.89	0.000231	0.53	21.66	14.94	0.14
B1.1	242.15	T500	11.49	20.05	21.88		21.88	0.000095	0.31	38.58	43.34	0.09
B1.1	236.197	T500	11.49	19.9	21.87	20.6	21.88	0.000201	0.46	26.01	22.5	0.13
B1.1	230											
B1.1		Culvert										
B1.1	112.254	T500	11.49	19.13	20.11	20.11	20.48	0.016075	2.69	4.27	5.85	1.01
B1.1	105.176	T500	11.49	18.7	19.85	19.41	19.91	0.00219	1.08	10.67	14.5	0.4
B1.1	94.534	T500	11.49	18.35	19.87		19.89	0.000664	0.64	17.9	21.69	0.23
B1.1	86.316	T500	11.49	18.2	19.87	18.81	19.88	0.000197	0.44	25.95	21.86	0.13
B1.1	85											
B1.1		Culvert										
B1.1	45.049	T500	11.49	18	18.48	18.48	18.67	0.017174	1.91	6.03	16.51	1.01

3.7.4.2.- Arroyo Buenavista

HEC-RAS Plan: TREV River: BV1 Reach: BV1.1 Profile: T500

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
BV1.1	2762.97	T500	32.64	76.25	77.05	77.05	77.31	0.024493	2.28	14.39	28.89	1
BV1.1	2749.12	T500	32.64	75.45	76.4	76.5	76.85	0.043434	2.97	10.99	21.42	1.32
BV1.1	2737.44	T500	32.64	74	74.54	74.92	75.89	0.153589	5.16	6.32	13.58	2.42
BV1.1	2727.066	T500	32.64	73.11	74.03	74.22	74.67	0.066738	3.55	9.2	18.84	1.62
BV1.1	2715.729	T500	32.64	72.5	73.26	73.47	73.93	0.062872	3.63	8.99	16.99	1.59
BV1.1	2683.691	T500	32.64	72	72.7	72.77	73.13	0.032659	2.88	11.32	18.38	1.17
BV1.1	2674.324	T500	32.64	71.25	72.09	72.27	72.71	0.055245	3.5	9.33	16.84	1.5
BV1.1	2665.23	T500	32.64	70	70.67	71.05	71.94	0.117548	4.99	6.54	12.16	2.17
BV1.1	2651.575	T500	32.64	69.77	70.62	70.66	71.01	0.026708	2.74	11.92	17.98	1.07
BV1.1	2636.648	T500	32.64	68	68.54	68.96	70.08	0.169827	5.48	5.95	12.62	2.55
BV1.1	2623.601	T500	32.64	67.6	68.34	68.46	68.87	0.037418	3.23	10.1	15.03	1.26
BV1.1	2613.841	T500	32.64	67.3	68.3	68.05	68.48	0.00877	1.87	17.49	20.22	0.64
BV1.1	2604.43	T500	32.64	66.87	67.99	67.99	68.33	0.023383	2.58	12.65	18.94	1.01
BV1.1	2594.095	T500	32.64	66	66.67	67.02	67.81	0.104458	4.72	6.91	12.79	2.05
BV1.1	2583.736	T500	32.64	65.9	67.21	66.64	67.29	0.003066	1.26	26	24.77	0.39
BV1.1	2552.791	T500	32.64	65.8	67.21		67.26	0.001854	1.02	31.97	28.38	0.31
BV1.1	2542.233	T500	32.64	65.7	67.19		67.24	0.001475	1	32.59	24.46	0.28
BV1.1	2532.886	T500	32.64	65.6	66.81	66.81	67.18	0.023644	2.69	12.12	16.67	1.01
BV1.1	2523.809	T500	32.64	65.5	65.92	66.16	66.73	0.111098	3.98	8.19	20.6	2.02
BV1.1	2511.874	T500	32.64	65.4	66.06	66.06	66.36	0.024585	2.41	13.54	23.13	1.01
BV1.1	2499.216	T500	32.64	65	65.71	65.73	66.03	0.026796	2.51	12.98	22.45	1.06
BV1.1	2488.925	T500	32.64	64.5	65.1	65.26	65.64	0.052146	3.23	10.1	19.76	1.44
BV1.1	2476.856	T500	32.64	64	64.6	64.7	65.05	0.04149	2.98	10.95	20.21	1.29
BV1.1	2462.84	T500	32.64	63.47	64.36	64.36	64.7	0.023354	2.58	12.64	18.79	1.01
BV1.1	2454.06	T500	32.64	62.15	62.97	63.34	64.21	0.129876	4.92	6.63	13.61	2.25
BV1.1	2444.222	T500	32.64	60.65	61.69	62.09	63	0.114152	5.06	6.45	11.41	2.15
BV1.1	2430.584	T500	32.64	60	61.64	60.88	61.73	0.002592	1.32	24.64	18.52	0.37
BV1.1	2421.61	T500	32.64	59.79	61.64		61.7	0.001724	1.06	30.86	24.56	0.3
BV1.1	2414.703	T500	32.64	59.5	61.16	61.16	61.63	0.021879	3.03	10.78	11.61	1
BV1.1	2404.259	T500	32.64	59.3	60.15	60.47	61.17	0.08782	4.48	7.29	12.51	1.87
BV1.1	2392.947	T500	32.64	59	60.06	59.84	60.27	0.01013	2	16.3	18.44	0.68
BV1.1	2380.872	T500	32.64	58.7	60.08		60.17	0.003306	1.35	24.26	21.93	0.41
BV1.1	2366.751	T500	32.64	58.3	59.99		60.12	0.003768	1.55	21.01	16.58	0.44
BV1.1	2356.996	T500	32.64	58	59.82		60.06	0.006657	2.14	15.26	10.5	0.57
BV1.1	2343.582	T500	32.64	57.5	59.21	59.21	59.86	0.023877	3.59	9.1	7.03	1.01
BV1.1	2318.872	T500	32.64	57	57.82	58.27	59.28	0.097409	5.36	6.09	8.34	2
BV1.1	2305.243	T500	32.64	56.5	57.3	57.54	58.1	0.055146	3.96	8.24	12.07	1.53
BV1.1	2293.911	T500	32.64	56	56.92	57.05	57.56	0.035431	3.55	9.19	11.01	1.24
BV1.1	2286.549	T500	32.64	55.5	56.23	56.52	57.18	0.069012	4.31	7.57	11.41	1.69
BV1.1	2274.602	T500	32.64	55	55.67	55.86	56.37	0.055218	3.72	8.77	14.08	1.51

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
BV1.1	2261.55	T500	32.64	54.5	55.32	55.39	55.79	0.028945	3.03	10.78	14.6	1.12
BV1.1	2251.407	T500	32.64	54	54.68	54.88	55.37	0.055664	3.69	8.84	14.63	1.52
BV1.1	2239.366	T500	32.64	53.5	54.65	54.65	55.09	0.021718	2.94	11.11	12.64	1
BV1.1	2221.069	T500	32.64	53	53.97	54.09	54.59	0.033015	3.47	9.39	11.2	1.21
BV1.1	2211.168	T500	32.64	52.5	53.24	53.5	54.12	0.063154	4.15	7.86	11.84	1.63
BV1.1	2201.825	T500	32.64	52	52.73	52.97	53.53	0.057999	3.95	8.26	12.6	1.56
BV1.1	2185.552	T500	32.64	51.7	53.11	52.62	53.27	0.005291	1.76	18.57	15.54	0.51
BV1.1	2172.203	T500	32.64	51.4	52.64	52.64	53.11	0.02159	3.05	10.71	11.32	1
BV1.1	2161.151	T500	32.64	51.1	51.94	52.17	52.72	0.053361	3.92	8.32	12.15	1.51
BV1.1	2151.877	T500	32.64	50.8	51.78	51.85	52.29	0.028255	3.14	10.39	13.09	1.13
BV1.1	2142.114	T500	32.64	50.5	51.28	51.45	51.93	0.045661	3.58	9.13	13.64	1.4
BV1.1	2131.685	T500	32.64	50.2	50.81	50.97	51.4	0.05211	3.4	9.6	17.28	1.46
BV1.1	2122.49	T500	32.64	49.27	49.93	50.19	50.78	0.08368	4.08	8	15.65	1.82
BV1.1	2111.767	T500	32.64	48	48.73	49.08	49.85	0.082986	4.69	6.95	10.65	1.85
BV1.1	2103.116	T500	32.64	47.3	48.08	48.41	49.17	0.073667	4.64	7.04	9.67	1.73
BV1.1	2092.66	T500	32.64	47	48.08	48.13	48.65	0.026807	3.35	9.75	9.92	1.08
BV1.1	2083.672	T500	32.64	46.7	47.63	47.79	48.35	0.039089	3.76	8.67	9.88	1.28
BV1.1	2072.824	T500	32.64	46.4	47.22	47.38	47.9	0.041865	3.65	8.93	11.62	1.33
BV1.1	2062.668	T500	32.64	46.1	47.58	47	47.73	0.004531	1.72	18.98	13.89	0.47
BV1.1	2052.824	T500	32.64	45.9	47.62		47.68	0.001494	1.11	29.52	18.25	0.28
BV1.1	2029.785	T500	32.64	45.7	47.05	47.05	47.59	0.022394	3.26	10	9.31	1.01
BV1.1	2015.132	T500	32.64	45.1	46.21	46.45	47.11	0.043793	4.21	7.75	8.1	1.37
BV1.1	1973.582	T500	32.64	44.6	44.99	45.27	45.98	0.151691	4.4	7.42	20.32	2.32
BV1.1	1959.466	T500	32.64	44.1	44.61	44.77	45.17	0.057814	3.29	9.91	20.16	1.5
BV1.1	1952.541	T500	32.64	43.6	44.03	44.22	44.68	0.085148	3.57	9.15	22.18	1.77
BV1.1	1940.736	T500	32.64	43	43.65	43.7	44.03	0.030577	2.75	11.89	19.68	1.13
BV1.1	1932.284	T500	32.64	42.5	43.17	43.31	43.71	0.043616	3.25	10.04	16.92	1.35
BV1.1	1922.246	T500	32.64	42	42.66	42.82	43.24	0.049058	3.38	9.66	16.76	1.42
BV1.1	1912.311	T500	32.64	40.55	41.36	41.72	42.53	0.094283	4.78	6.83	11.43	1.97
BV1.1	1901.865	T500	32.64	40.45	41.43	41.46	41.86	0.024353	2.89	11.28	14.44	1.04
BV1.1	1892.981	T500	32.64	40.35	41.15	41.23	41.61	0.03176	3.01	10.86	16.17	1.17
BV1.1	1864.464	T500	32.64	40.25	40.8	40.94	41.31	0.052474	3.15	10.35	20.98	1.43
BV1.1	1853.239	T500	32.64	40.1	40.91	40.77	41.1	0.012785	1.97	16.58	23.46	0.75
BV1.1	1842.488	T500	32.64	40	40.62	40.62	40.91	0.024416	2.39	13.64	23.5	1
BV1.1	1831.851	T500	32.64	39.2	39.73	39.95	40.44	0.079941	3.74	8.74	18.87	1.75
BV1.1	1815.074	T500	32.64	39	40.04	39.79	40.22	0.008509	1.84	17.73	20.54	0.63
BV1.1	1798.759	T500	32.64	38.75	39.59	39.59	39.98	0.022842	2.76	11.84	15.47	1.01
BV1.1	1787.71	T500	32.64	38.5	39.2	39.28	39.67	0.03441	3.03	10.76	16.65	1.21
BV1.1	1763.404	T500	32.64	38.25	38.7	38.85	39.21	0.062235	3.14	10.39	24.17	1.53
BV1.1	1750.523	T500	32.64	36.78	38.05	37.71	38.2	0.00666	1.69	19.37	21.36	0.56
BV1.1	1732.592	T500	32.64	36.6	37.94		38.09	0.005243	1.69	19.33	17.4	0.51
BV1.1	1710.209	T500	32.64	36.4	37.45	37.44	37.86	0.021105	2.82	11.58	13.82	0.98
BV1.1	1690.617	T500	32.64	36.2	37.31	37.08	37.52	0.010017	2.06	15.88	17.43	0.69
BV1.1	1670.419	T500	32.64	36	36.83	36.83	37.21	0.02314	2.74	11.93	15.81	1
BV1.1	1651.221	T500	32.64	35.8	36.78	36.44	36.9	0.005687	1.52	21.52	24.62	0.52
BV1.1	1618.031	T500	32.64	35.4	36.58		36.78	0.008594	2.01	16.23	16.26	0.64

DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

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
BV1.1	1601.92	T500	32.64	35.2	36.57		36.67	0.003372	1.41	23.16	19.58	0.41
BV1.1	1588.939	T500	32.64	35	36.57		36.63	0.001721	1.1	29.69	22.02	0.3
BV1.1	1562.758	T500	32.64	34.4	36.04	36.04	36.51	0.0222	3.05	10.71	11.52	1.01
BV1.1	1533.844	T500	32.64	33.8	34.38	34.8	35.87	0.140019	5.41	6.03	11.04	2.34
BV1.1	1526.211	T500	32.64	32.8	33.28	33.65	34.61	0.154085	5.11	6.39	13.99	2.41
BV1.1	1517.816	T500	32.64	32.2	33.33	32.99	33.49	0.006604	1.75	18.62	18.99	0.56
BV1.1	1492.117	T500	32.64	32	33.27		33.39	0.004471	1.59	20.58	17.69	0.47
BV1.1	1452.823	T500	32.64	31.85	32.89	32.89	33.27	0.022725	2.71	12.05	16.36	1.01
BV1.1	1440.706	T500	32.64	31.7	32.4	32.52	32.89	0.043068	3.1	10.53	18.97	1.33
BV1.1	1432.446	T500	32.64	31.5	32.4	32.31	32.63	0.016369	2.14	15.24	23.17	0.84
BV1.1	1422.089	T500	32.64	31.35	32.43		32.51	0.004121	1.24	26.22	31.99	0.44
BV1.1	1413.661	T500	32.64	31.2	32.42		32.48	0.002179	1.07	30.47	28.17	0.33
BV1.1	1401.727	T500	32.64	31	32.43		32.45	0.00065	0.65	50.36	41.98	0.19
BV1.1	1361.532	T500	32.64	30.67	32.42		32.45	0.000542	0.68	52.2	43.33	0.18
BV1.1	1351.533	T500	32.64	30.5	32.42		32.44	0.000366	0.58	60.69	45.58	0.15
BV1.1	1340.417	T500	32.64	30.27	32.42		32.43	0.000273	0.5	70.73	57.28	0.13
BV1.1	1325.857	T500	32.64	30.17	32.42		32.43	0.000127	0.37	98.55	68.09	0.09
BV1.1	1300.122	T500	32.64	30	32.43		32.43	0.000054	0.27	147.21	103.28	0.06
BV1.1	1289.414	T500	32.64	29.89	32.42	30.52	32.43	0.000091	0.34	105.7	63.46	0.08
BV1.1	1280		Culvert									
BV1.1	1224.015	T500	32.64	28.4	29.57	29.57	29.85	0.025093	2.33	14.02	25.9	1.01
BV1.1	1212.936	T500	32.64	28.3	29.56	29.12	29.62	0.003497	1.11	29.44	37.88	0.4
BV1.1	1201.586	T500	32.64	28.2	29.26	29.24	29.52	0.023102	2.27	14.36	25.81	0.97
BV1.1	1192.282	T500	32.64	28.1	29.22	29.04	29.34	0.009969	1.52	21.42	37.57	0.64
BV1.1	1180.538	T500	32.64	27.98	28.91	28.91	29.15	0.026376	2.17	15.07	32.28	1.01
BV1.1	1171.019	T500	32.64	27.84	28.64	28.34	28.7	0.004552	1.11	29.43	45.91	0.44
BV1.1	1160.101	T500	32.64	27.8	28.63		28.66	0.002117	0.78	41.74	62.21	0.3
BV1.1	1148.925	T500	32.64	27.75	28.6		28.63	0.002097	0.78	42.07	63.02	0.3
BV1.1	1140.372	T500	32.64	27.7	28.59		28.62	0.002012	0.76	42.74	63.59	0.3
BV1.1	1108.175	T500	32.64	27.65	28.45		28.52	0.005162	1.12	29.2	49.74	0.47
BV1.1	1097.541	T500	32.64	27.6	28.38		28.46	0.005826	1.2	27.25	45.77	0.5
BV1.1	1090.803	T500	32.64	27.55	28.31		28.41	0.008336	1.37	23.86	42.96	0.59
BV1.1	1084.426	T500	32.64	27.5	28.19		28.33	0.015829	1.67	19.53	42.19	0.78
BV1.1	1077.355	T500	32.64	27.45	28.11		28.23	0.012262	1.51	21.68	45.19	0.69
BV1.1	1072.578	T500	32.64	27.4	28.09		28.17	0.007716	1.27	25.65	48.63	0.56
BV1.1	1063.127	T500	32.64	27.35	28.08		28.12	0.002619	0.89	36.56	52.18	0.34
BV1.1	1051.611	T500	32.64	27.3	27.84	27.84	28.03	0.02805	1.94	16.81	44.54	1.01
BV1.1	1044.71	T500	32.64	26.73	27.26	27.4	27.71	0.071598	2.97	11	31.18	1.59
BV1.1	1032.609	T500	32.64	26.4	27.33	27.08	27.43	0.007187	1.36	24.04	39.13	0.55
BV1.1	1016.368	T500	32.64	26.38	27.22		27.31	0.007067	1.33	24.61	40.94	0.55
BV1.1	1009.078	T500	32.64	26.36	27.18		27.26	0.005524	1.24	26.35	40.42	0.49
BV1.1	997.815	T500	32.64	26.34	27.12		27.2	0.006135	1.25	26.06	42.56	0.51
BV1.1	986.932	T500	32.64	26.32	27.07		27.13	0.00495	1.12	29.07	47.63	0.46
BV1.1	975.067	T500	32.64	26.3	27.03		27.08	0.003575	0.96	34.15	55.84	0.39
BV1.1	960.38	T500	32.64	26.28	27		27.03	0.002462	0.81	40.35	64.08	0.33
BV1.1	946.065	T500	32.64	26.26	26.94		26.99	0.003439	0.91	35.94	61.64	0.38

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
BV1.1	937.793	T500	32.64	26.24	26.92		26.96	0.003496	0.92	35.64	61.09	0.38
BV1.1	928.459	T500	32.64	26.22	26.88		26.92	0.003457	0.89	36.51	64.41	0.38
BV1.1	919.338	T500	32.64	26.2	26.83		26.88	0.005248	1.06	30.77	57.43	0.46
BV1.1	910.497	T500	32.64	26.18	26.77		26.83	0.006514	1.14	28.65	56.51	0.51
BV1.1	901.186	T500	32.64	26.16	26.53	26.53	26.71	0.028611	1.86	17.55	50.32	1.01
BV1.1	892.155	T500	32.64	25.76	26.33	26.29	26.47	0.02027	1.64	19.92	53.36	0.86
BV1.1	883.133	T500	32.64	25.54	26.26		26.34	0.008455	1.23	26.63	57.22	0.57
BV1.1	873.15	T500	32.64	25.47	26.03	26.03	26.19	0.030684	1.76	18.55	61.01	1.02
BV1.1	861.423	T500	32.64	24.5	25.16	25.31	25.65	0.065499	3.09	10.58	26.4	1.56
BV1.1	854.268	T500	32.64	24.45	25.06	25.16	25.43	0.049626	2.69	12.11	30.11	1.36
BV1.1	843.318	T500	32.64	24.4	25.13	24.98	25.24	0.010918	1.49	21.94	42.73	0.66
BV1.1	832.407	T500	32.64	24.35	25.03		25.13	0.009239	1.36	24	47.22	0.61
BV1.1	821.072	T500	32.64	24.3	24.93		25.02	0.008994	1.32	24.79	50.14	0.6
BV1.1	811.775	T500	32.64	24.25	24.89		24.95	0.005498	1.04	31.42	62.72	0.47
BV1.1	803.352	T500	32.64	24.2	24.85		24.9	0.005229	1.01	32.29	64.71	0.46
BV1.1	792.189	T500	32.64	24.15	24.8		24.85	0.004032	0.92	35.31	66.54	0.41
BV1.1	775.106	T500	32.64	24.1	24.74		24.78	0.003448	0.87	37.48	68.69	0.38
BV1.1	756.218	T500	32.64	24.05	24.69		24.72	0.002806	0.8	40.9	73.21	0.34
BV1.1	741.381	T500	32.64	24	24.66		24.68	0.002155	0.72	45.59	78.8	0.3
BV1.1	719.822	T500	32.64	23.95	24.62		24.64	0.001535	0.62	52.94	88.77	0.25
BV1.1	700.321	T500	32.64	23.9	24.6		24.62	0.001063	0.53	61.89	99.62	0.21
BV1.1	683.754	T500	32.64	23.85	24.59		24.6	0.000906	0.48	67.53	109.91	0.2
BV1.1	662.417	T500	32.64	23.8	24.58		24.58	0.000448	0.37	88.68	128.04	0.14
BV1.1	618.278	T500	32.64	22.3	24.58		24.58	0.000038	0.2	209.14	176.45	0.05
BV1.1	606.857	T500	32.64	22.25	24.58		24.58	0.000017	0.13	245.21	146.78	0.03
BV1.1	556.64	T500	32.64	22.2	24.58		24.58	0.00001	0.11	292.58	155.08	0.03
BV1.1	538.764	T500	32.64	22.15	24.58		24.58	0.000011	0.12	270.34	134.69	0.03
BV1.1	522.565	T500	32.64	22.1	24.58		24.58	0.000005	0.09	471.05	345.12	0.02
BV1.1	510.212	T500	32.64	22.05	24.58	22.26	24.58	0.000007	0.11	312.46	133.99	0.02
BV1.1	509		Culvert									
BV1.1	423.047	T500	32.64	20.5	21.59	21.71	22.19	0.033213	3.43	9.52	11.74	0.02
BV1.1	406.26	T500	32.64	20	21.1	21.18	21.66	0.028806	3.33	9.8	11.2	1.14
BV1.1	249.132	T500	32.64	18.1	19.23	19.23	19.37	0.011847	1.98	23.77	74.2	0.73
BV1.1	225.796	T500	32.64	18.09	18.99	18.74	19.04	0.004414	1.12	33.34	69.33	0.44
BV1.1	207.46	T500	32.64	18.08	18.84		18.92	0.010771	1.25	26.09	65.29	0.63
BV1.1	190.576	T500	32.64	18.07	18.74		18.78	0.005544	0.89	36.74	93.35	0.45
BV1.1	174.45	T500	32.64	18.06	18.66		18.69	0.005111	0.84	39.03	102.15	0.43
BV1.1	158.662	T500	32.64	18.05	18.58		18.61	0.005071	0.79	41.28	116.88	0.42
BV1.1	139.741	T500	32.64	18.04	18.54		18.55	0.001915	0.57	59.09	152.62	0.27
BV1.1	127.958	T500	32.64	18.03	18.52		18.53	0.001137	0.45	73.48	173.31	0.21
BV1.1	77.678	T500	32.64	18.02	18.5		18.52	0.001657	0.53	63.63	179.66	0.25
BV1.1	69.101	T500	32.64	18.01	18.48		18.5	0.002093	0.6	54.5	120.49	0.28
BV1.1	59.655	T500	32.64	17.99	18.46		18.48	0.002409	0.64	51.27	114.85	0.3
BV1.1	47.996	T500	32.64	17.98	18.41		18.44	0.003835	0.76	42.86	103.98	0.38
BV1.1	38.002	T500	32.64	17.97	18.33		18.38	0.009113	1.04	31.33	90.96	0.57

3.7.4.3.- Arroyo Trévenez

HEC-RAS Plan: TREV Profile: T500

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
T2	T2.1	176.018	T500	14.26	12	13.67	12.36	13.67	0.000019	0.13	132.71	142.47	0.04
T2	T2.1	166.133	T500	14.26	11.95	13.67		13.67	0.000011	0.1	177.41	188.63	0.03
T2	T2.1	154.125	T500	14.26	11.9	13.67		13.67	0.000034	0.18	90.72	93.69	0.05
T2	T2.1	146.327	T500	14.26	11.85	13.67		13.67	0.000048	0.24	79.87	83.18	0.06
T2	T2.1	137.311	T500	14.26	11.8	13.67	12.3	13.67	0.000007	0.09	225.65	268.88	0.02
T2	T2.1	135		Culvert									
T2	T2.1	56.638	T500	14.26	11.75	12.53		12.54	0.000339	0.36	54.8	136.04	0.14
T2	T2.1	46.757	T500	14.26	11.7	12.51	12.24	12.53	0.0015	0.69	27.04	72.15	0.28
T1	T1.1	751.176	T500	14.26	16.44	17.75	17.75	18.08	0.02526	2.58	5.54	8.34	1.01
T1	T1.1	744.826	T500	14.26	16.2	16.71	16.99	17.69	0.162827	4.39	3.25	9.39	2.38
T1	T1.1	729.126	T500	14.26	16.15	16.96	16.96	17.1	0.023611	1.72	8.92	34.71	0.91
T1	T1.1	699.724	T500	14.26	16.1	16.89	16.59	16.93	0.002981	0.88	17.81	36.04	0.36
T1	T1.1	692.408	T500	14.26	16.05	16.74	16.74	16.87	0.017852	1.8	10.03	37.98	0.83
T1	T1.1	682.063	T500	14.26	16	16.7	16.52	16.75	0.005466	1.06	15.63	41.59	0.47
T1	T1.1	672.042	T500	14.26	15.95	16.61		16.68	0.010705	1.2	13.11	45.25	0.62
T1	T1.1	661.972	T500	14.26	15.9	16.6		16.62	0.002265	0.62	26.55	77.44	0.3
T1	T1.1	652.863	T500	14.26	15.85	16.57		16.59	0.003101	0.74	21.47	57.53	0.35
T1	T1.1	632.768	T500	14.26	15.75	16.56		16.57	0.000866	0.45	36.7	85.33	0.19
T1	T1.1	622.739	T500	14.26	15.7	16.56		16.57	0.000709	0.41	36.82	71.19	0.17
T1	T1.1	602.567	T500	14.26	15.65	16.45		16.54	0.011376	1.3	10.99	26.91	0.65
T1	T1.1	591.447	T500	14.26	15.6	16.3		16.39	0.015195	1.32	10.83	32.13	0.72
T1	T1.1	571.02	T500	14.26	15.55	16.22	16.13	16.26	0.010473	0.9	15.81	63.1	0.58
T1	T1.1	562.438	T500	14.26	15.45	16.01	16.01	16.09	0.041525	1.29	11.06	72.65	1.06
T1	T1.1	523.546	T500	14.26	14.5	15.88	15.43	15.91	0.001647	0.71	22.18	40.73	0.27
T1	T1.1	514.145	T500	14.26	14.45	15.86		15.89	0.002114	0.77	20.46	39.45	0.3
T1	T1.1	418.947	T500	14.26	13.9	15.88	14.07	15.88	0.000004	0.07	212.04	126.07	0.02
T1	T1.1	415		Culvert									
T1	T1.1	337.13	T500	14.26	13.75	15.84		15.88	0.001324	0.9	15.79	14.19	0.27
T1	T1.1	322.675	T500	14.26	13.7	15.83		15.86	0.000979	0.79	18.04	17.1	0.25
T1	T1.1	311.647	T500	14.26	13.65	15.68		15.83	0.004495	1.69	9.24	29.66	0.49
T1	T1.1	302.194	T500	14.26	13.6	15.65		15.78	0.003944	1.6	9.17	26.37	0.47
T1	T1.1	293.963	T500	14.26	13.55	15.62		15.75	0.004207	1.57	9.07	8.45	0.48
T1	T1.1	282.52	T500	14.26	13.5	15.57		15.7	0.004026	1.57	9.05	8.02	0.47
T1	T1.1	272.086	T500	14.26	13.45	15.51		15.65	0.004808	1.66	8.6	8.13	0.51
T1	T1.1	252.148	T500	14.26	13.4	15.02	15.02	15.45	0.020497	2.89	4.93	5.9	1.01
T1	T1.1	115.563	T500	14.26	13.3	15.01	14.35	15.1	0.002968	1.31	10.85	10.54	0.41
T1	T1.1	110		Culvert									
T1	T1.1	10	T500	14.26	13.25	14.31	14.31	14.69	0.01922	2.73	5.22	6.85	1

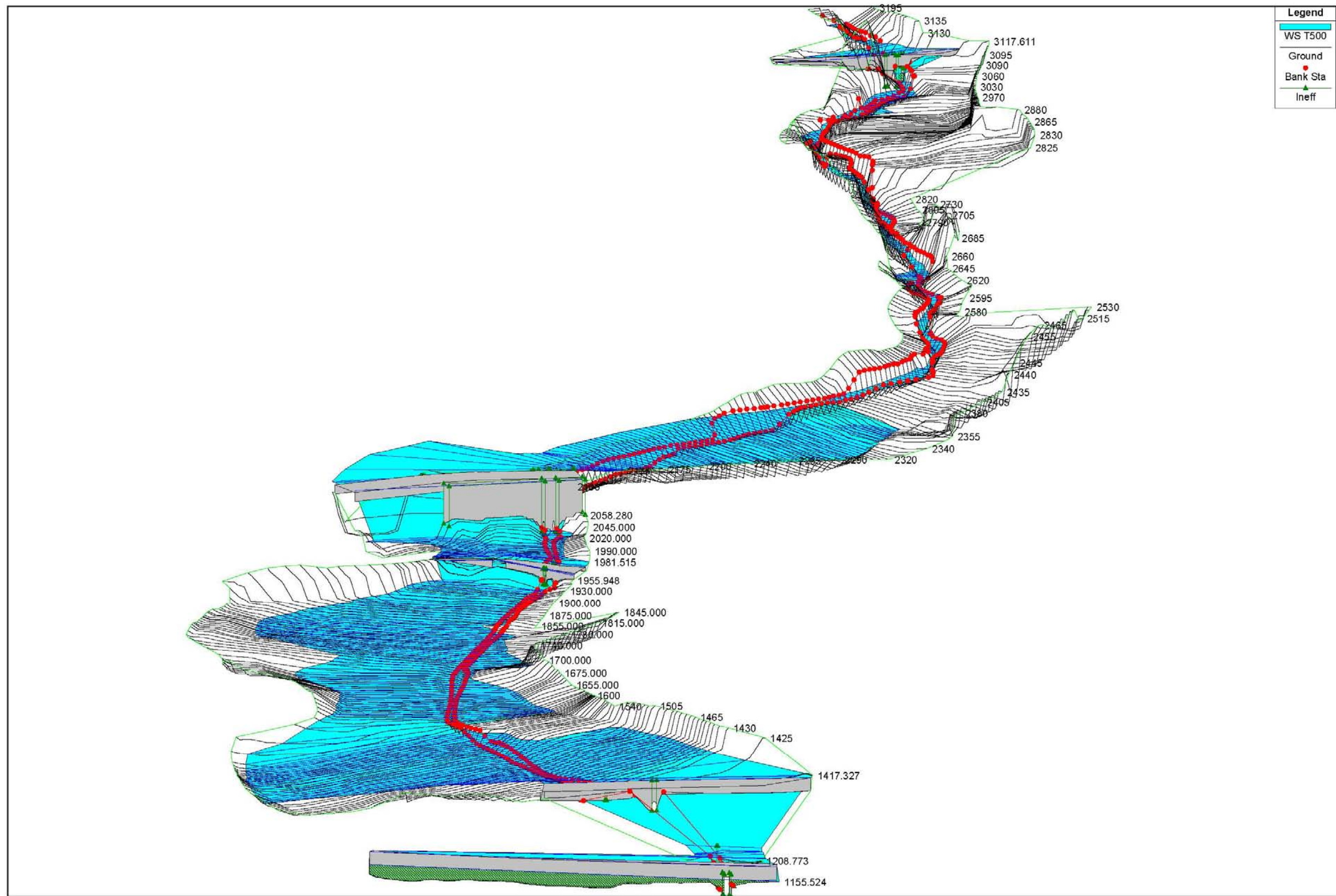
3.7.4.4.- Arroyo Carambuco

HEC-RAS Plan: TREV River: C1 Reach: C1.1 Profile: T500

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
C1.1	290.575	T500	19.4	12.16	13.72	12.76	13.72	0.000207	0.4	52.28	54.88	0.12
C1.1	283.103	T500	19.4	12.15	13.72		13.72	0.000183	0.38	56.34	68.39	0.11
C1.1	271.528	T500	19.4	12.14	13.71		13.72	0.000225	0.44	47.72	46.85	0.12
C1.1	254.694	T500	19.4	12.13	13.71		13.72	0.000174	0.39	56.98	65.25	0.11
C1.1	245.198	T500	19.4	12.12	13.71		13.71	0.000161	0.37	62.18	81.01	0.11
C1.1	234.734	T500	19.4	12.11	13.7		13.71	0.000206	0.44	49.57	50.61	0.12
C1.1	224.614	T500	19.4	12.1	13.7		13.71	0.000208	0.42	50.07	50.45	0.12
C1.1	215.29	T500	19.4	12.09	13.7		13.71	0.000164	0.39	58.61	66.94	0.11
C1.1	205.163	T500	19.4	12.08	13.7		13.71	0.00016	0.37	58.09	63.8	0.11
C1.1	194.209	T500	19.4	12.07	13.69	12.93	13.7	0.000432	0.55	40.12	54.82	0.17
C1.1	192		Culvert									
C1.1	173.831	T500	19.4	12.06	13.67		13.69	0.000616	0.63	32.25	36.18	0.2
C1.1	151.775	T500	19.4	12.05	13.68		13.68	0.000061	0.25	88.66	76.79	0.07
C1.1	135.552	T500	19.4	12.04	13.68		13.68	0.000045	0.22	104.04	91.42	0.06
C1.1	115.526	T500	19.4	12.02	13.68		13.68	0.000038	0.2	112.67	98.52	0.05
C1.1	104.061	T500	19.4	12.01	13.67		13.68	0.000044	0.22	105.01	90.55	0.06
C1.1	94.639	T500	19.4	12	13.67		13.68	0.000037	0.2	115.14	99.84	0.05

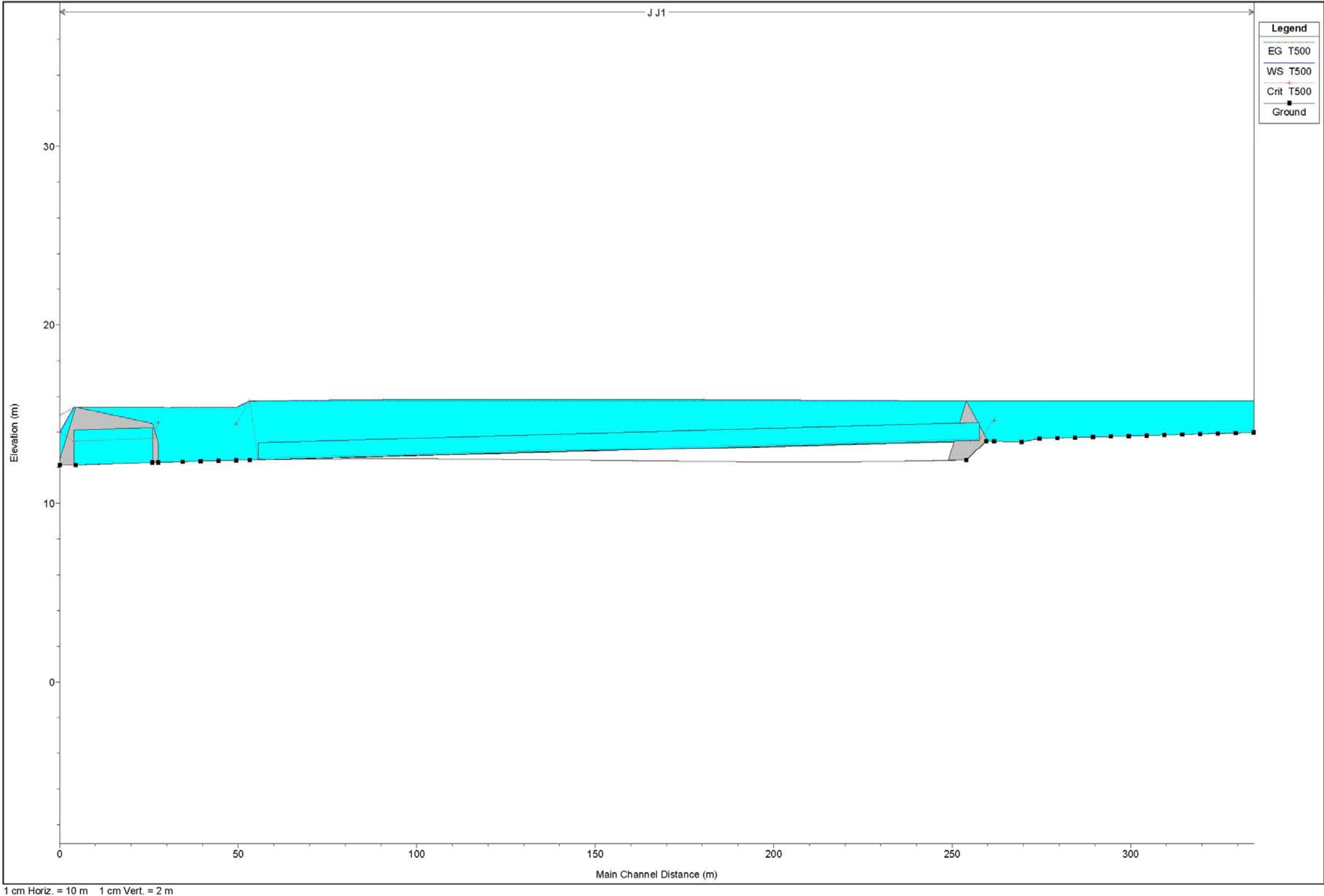
- 3.8.- Cuenca 4. Arroyo Prado Jurado. T=500 años
 - 3.8.1.- Vista 3D arroyo
 - 3.8.2.- Perfil longitudinal
 - 3.8.3.- Perfiles transversales
 - 3.8.4.- Tablas de resultados

3.8.1.- Vista 3D arroyo

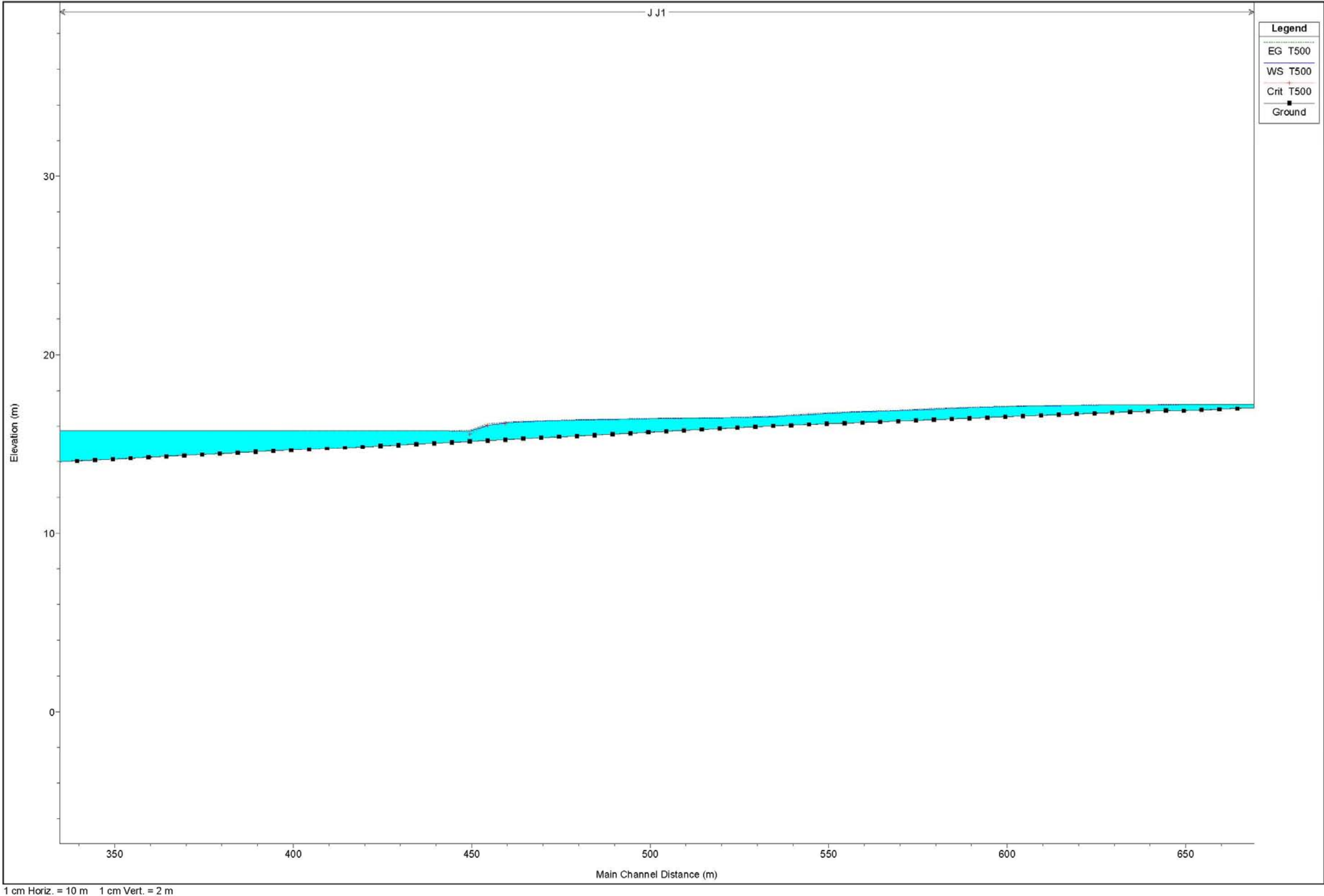


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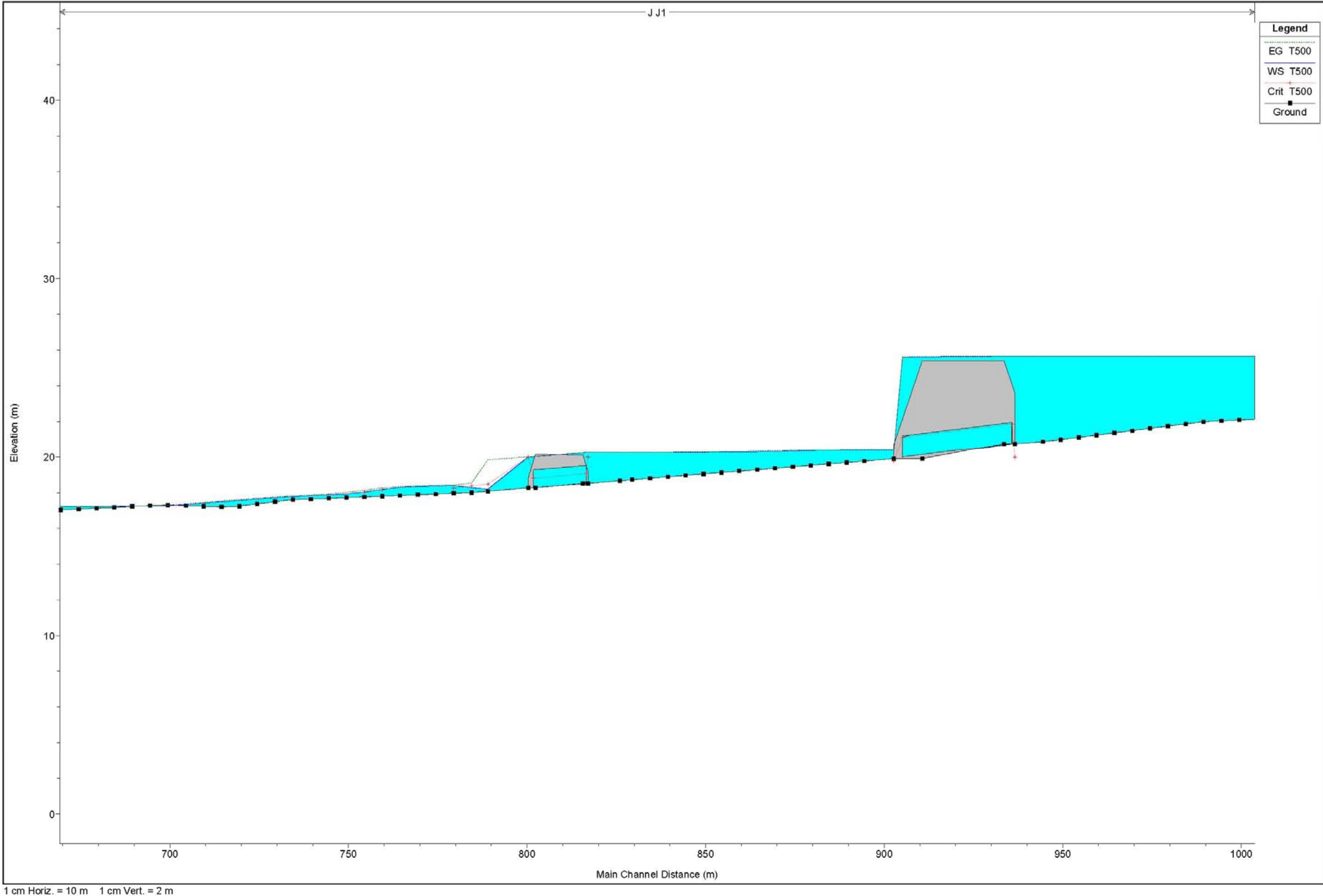
3.8.2.- Perfil longitudinal



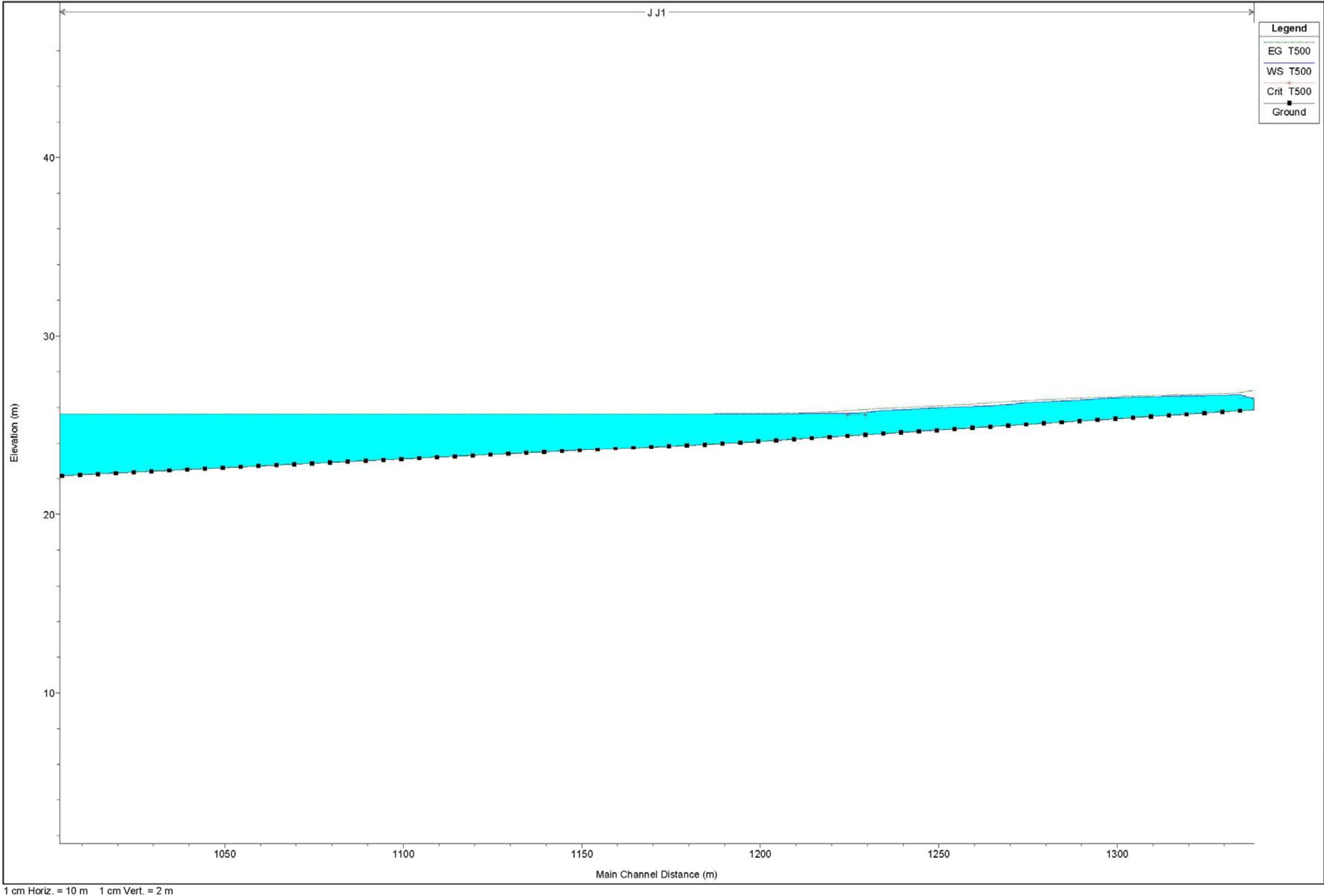
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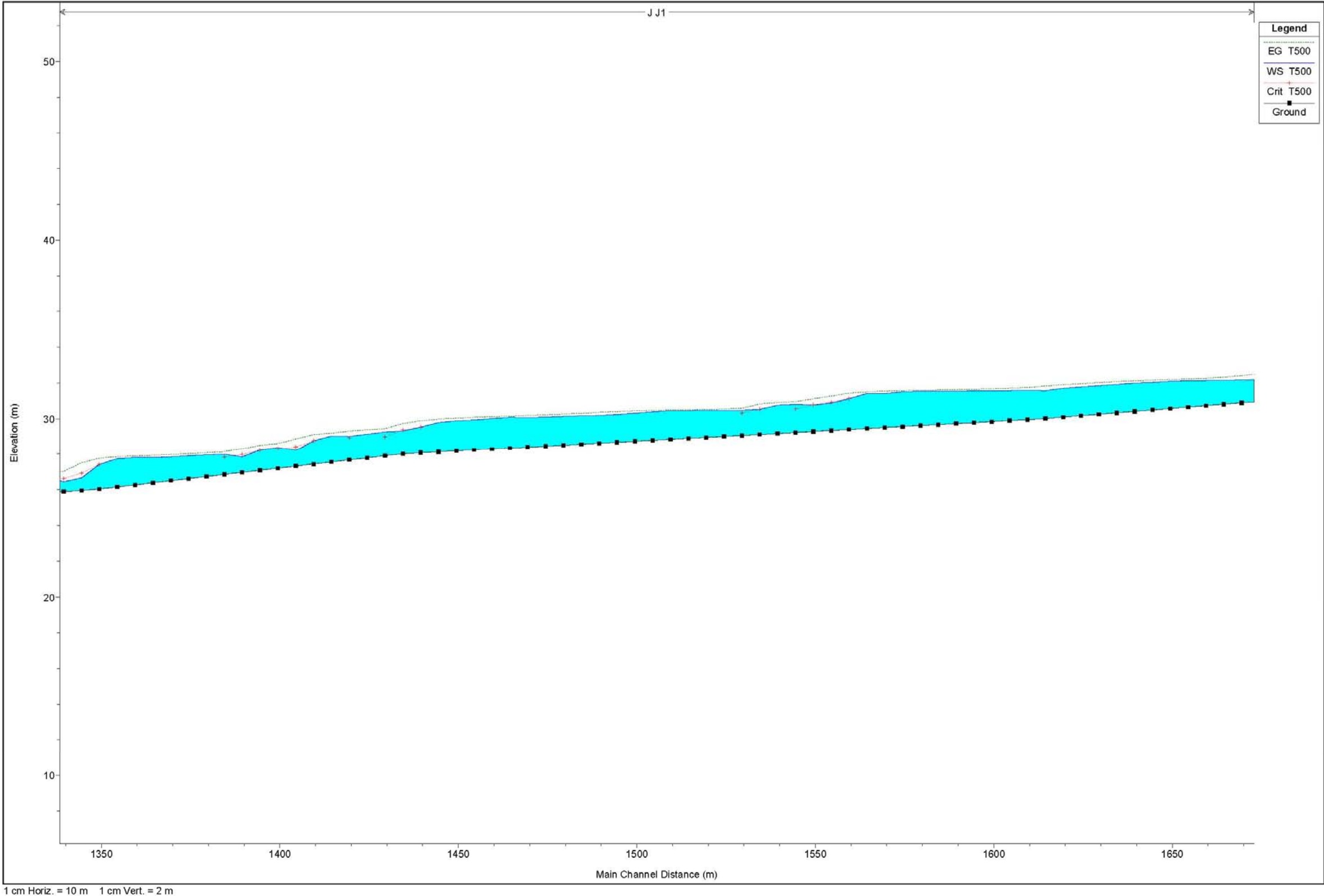
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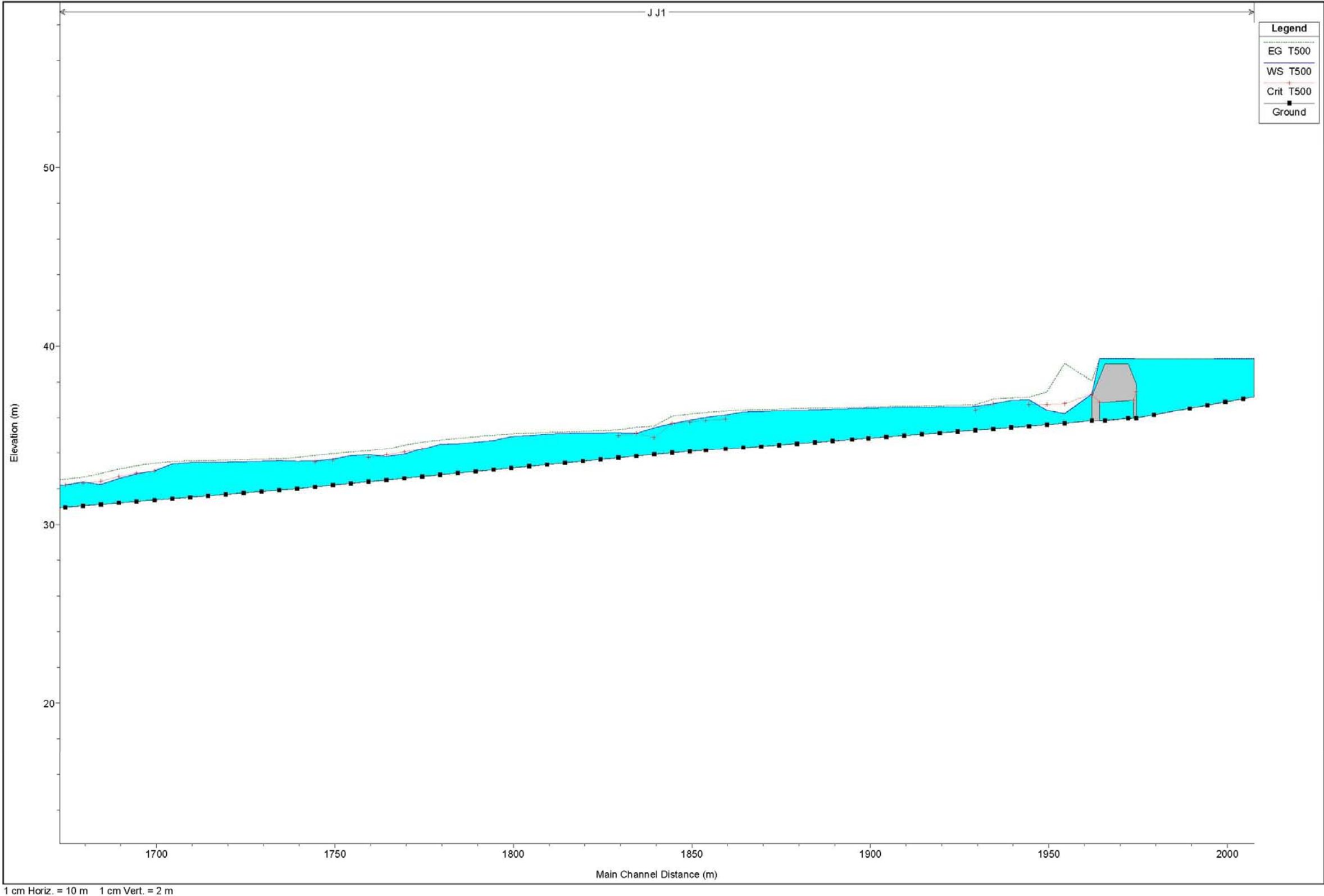
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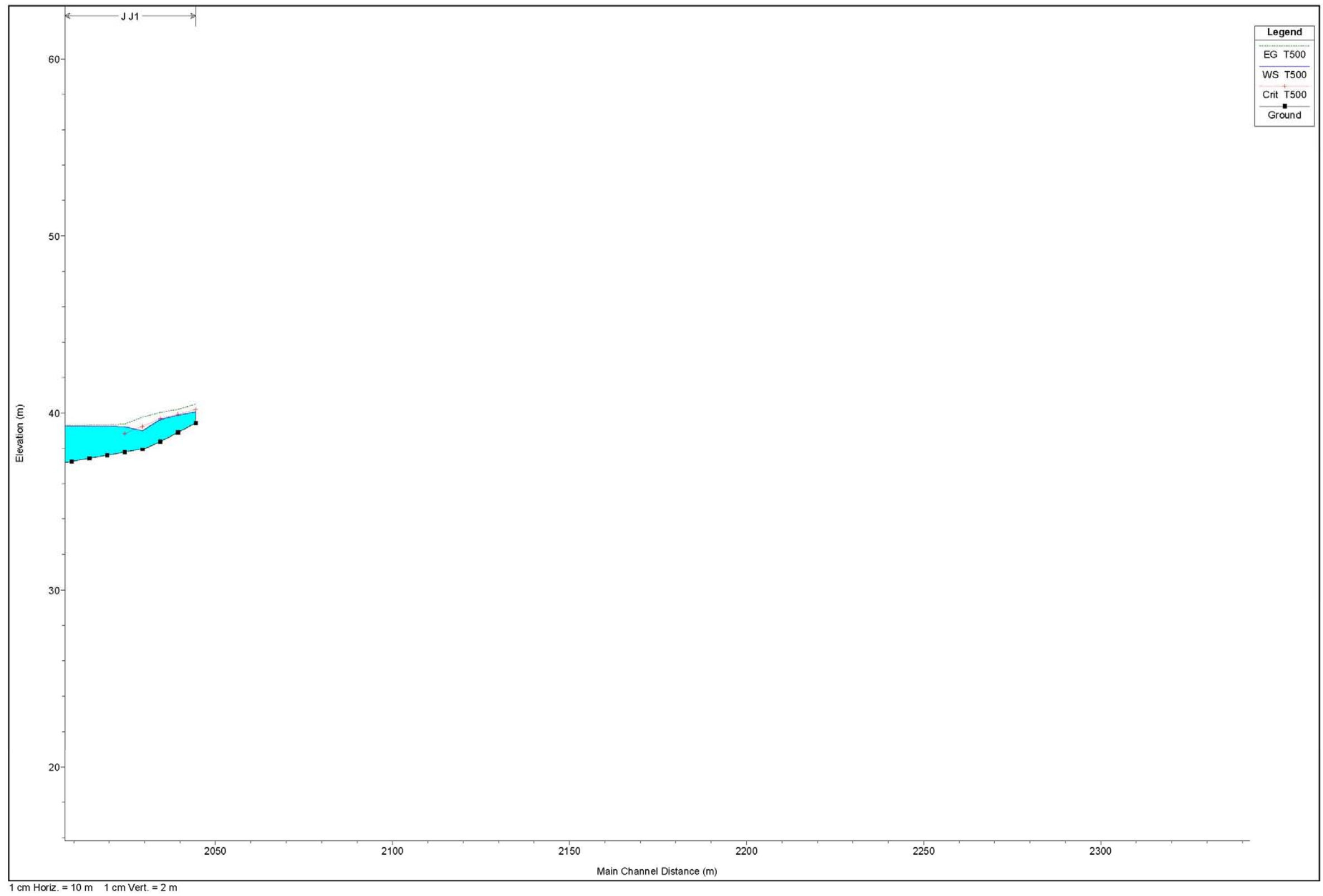
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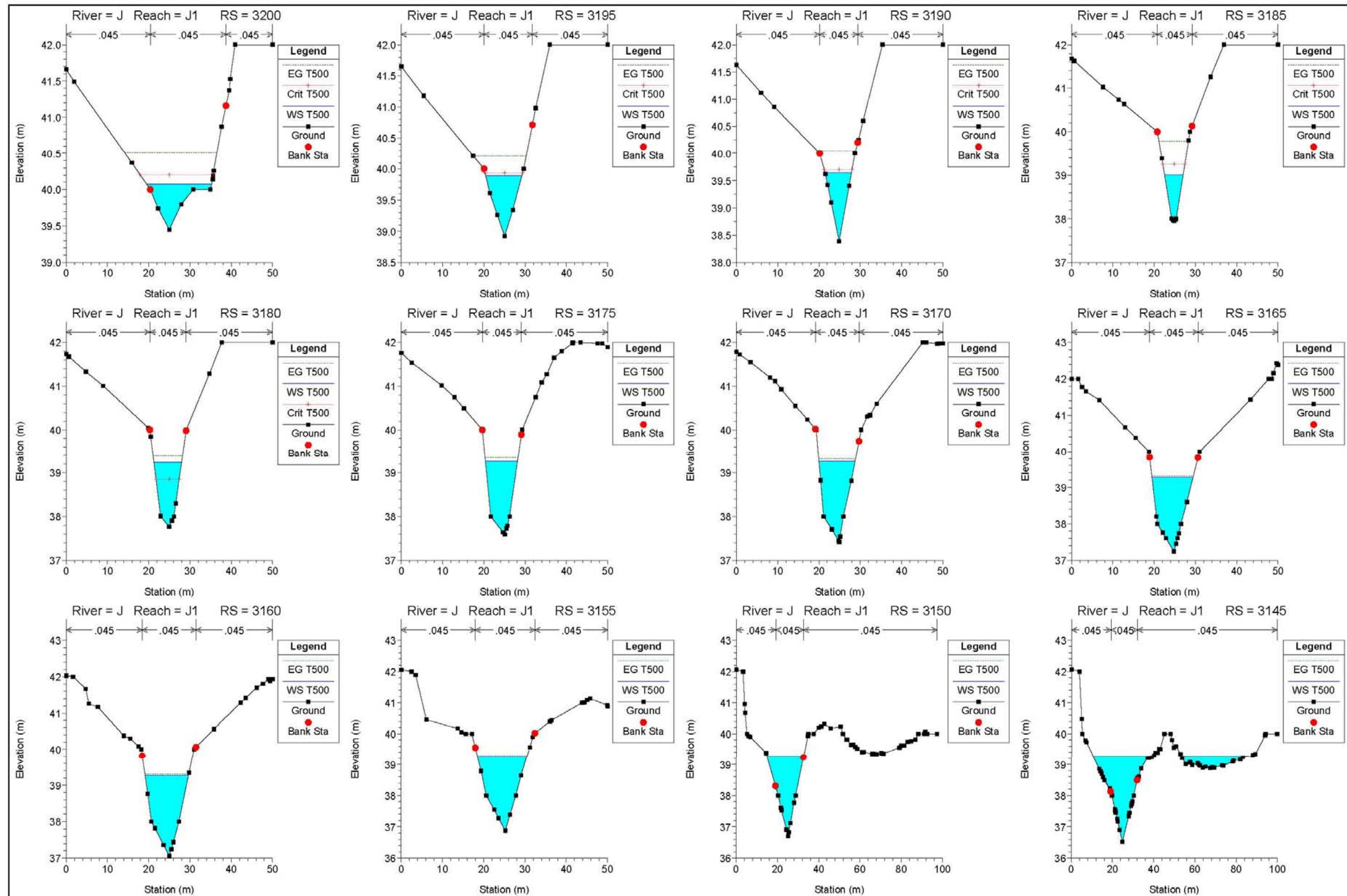
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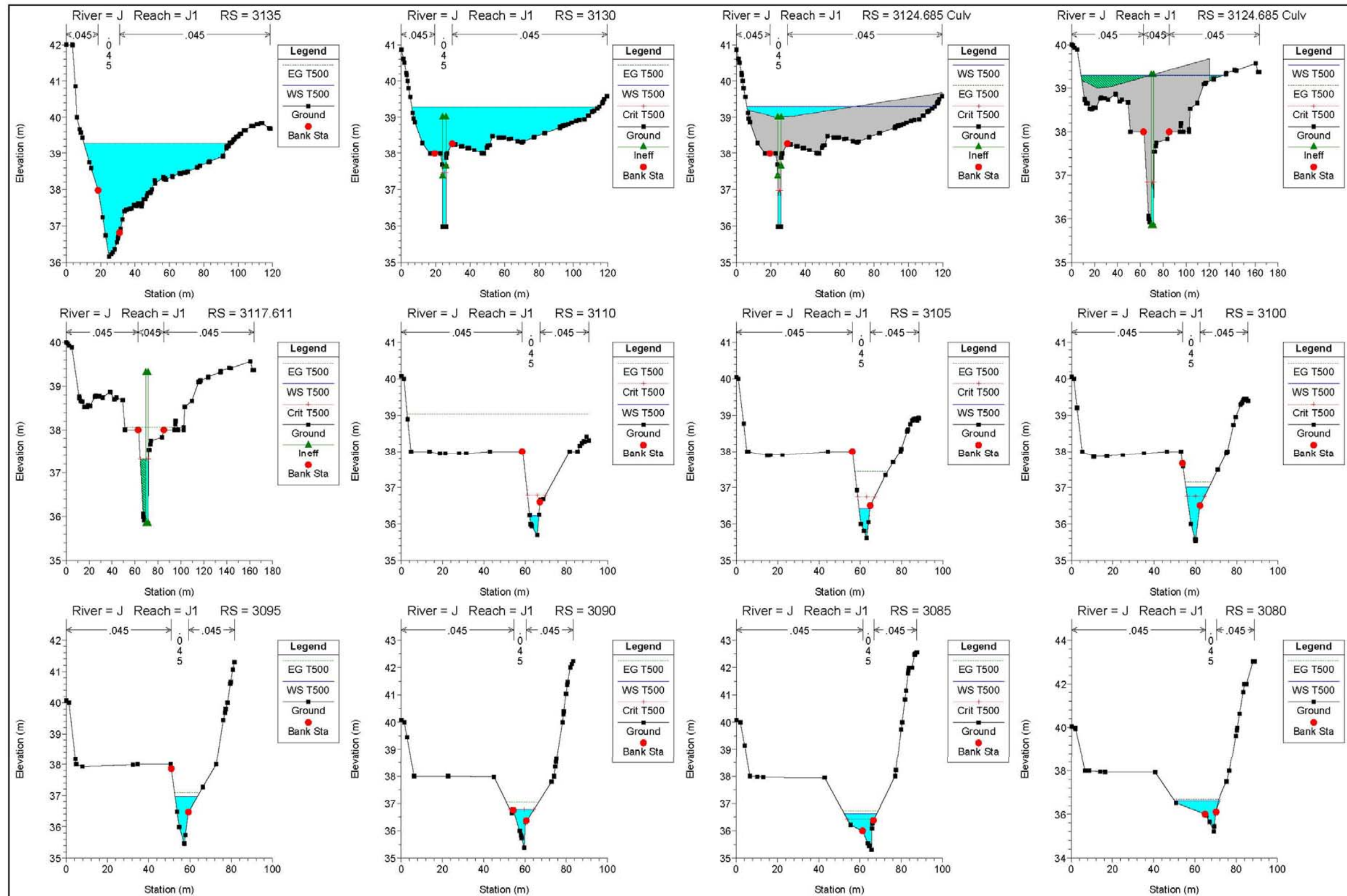
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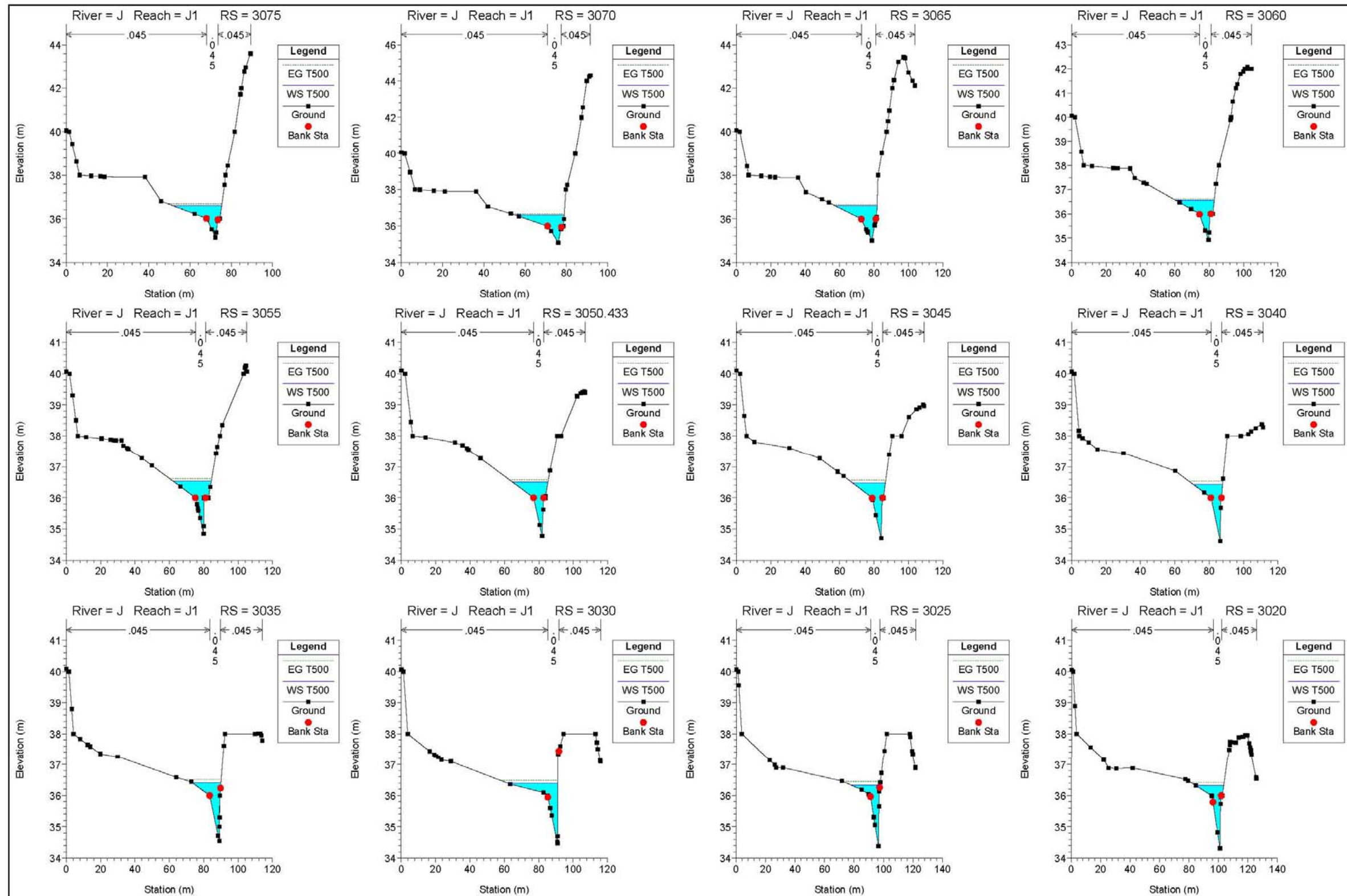
3.8.3.- Perfiles transversales



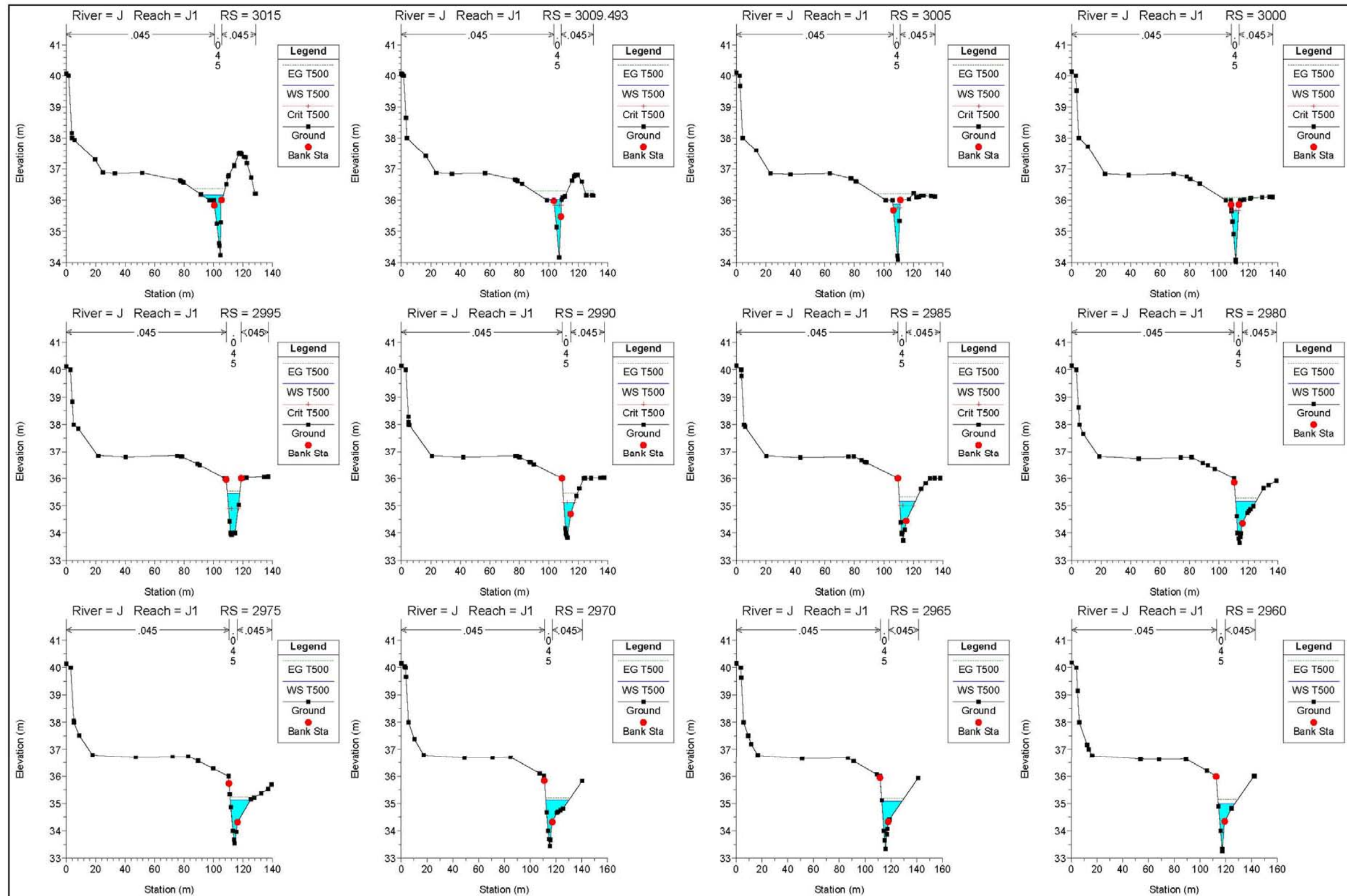
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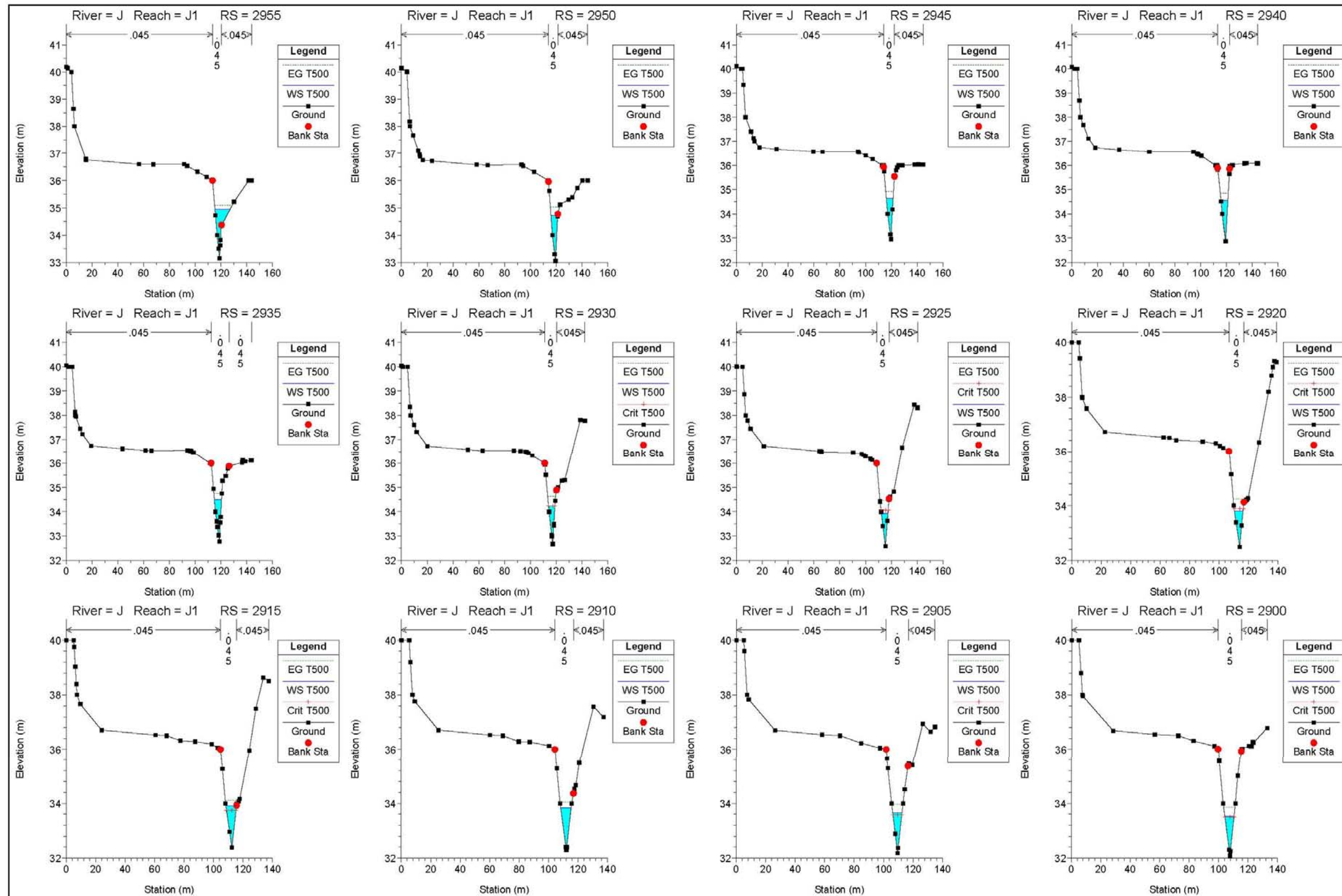


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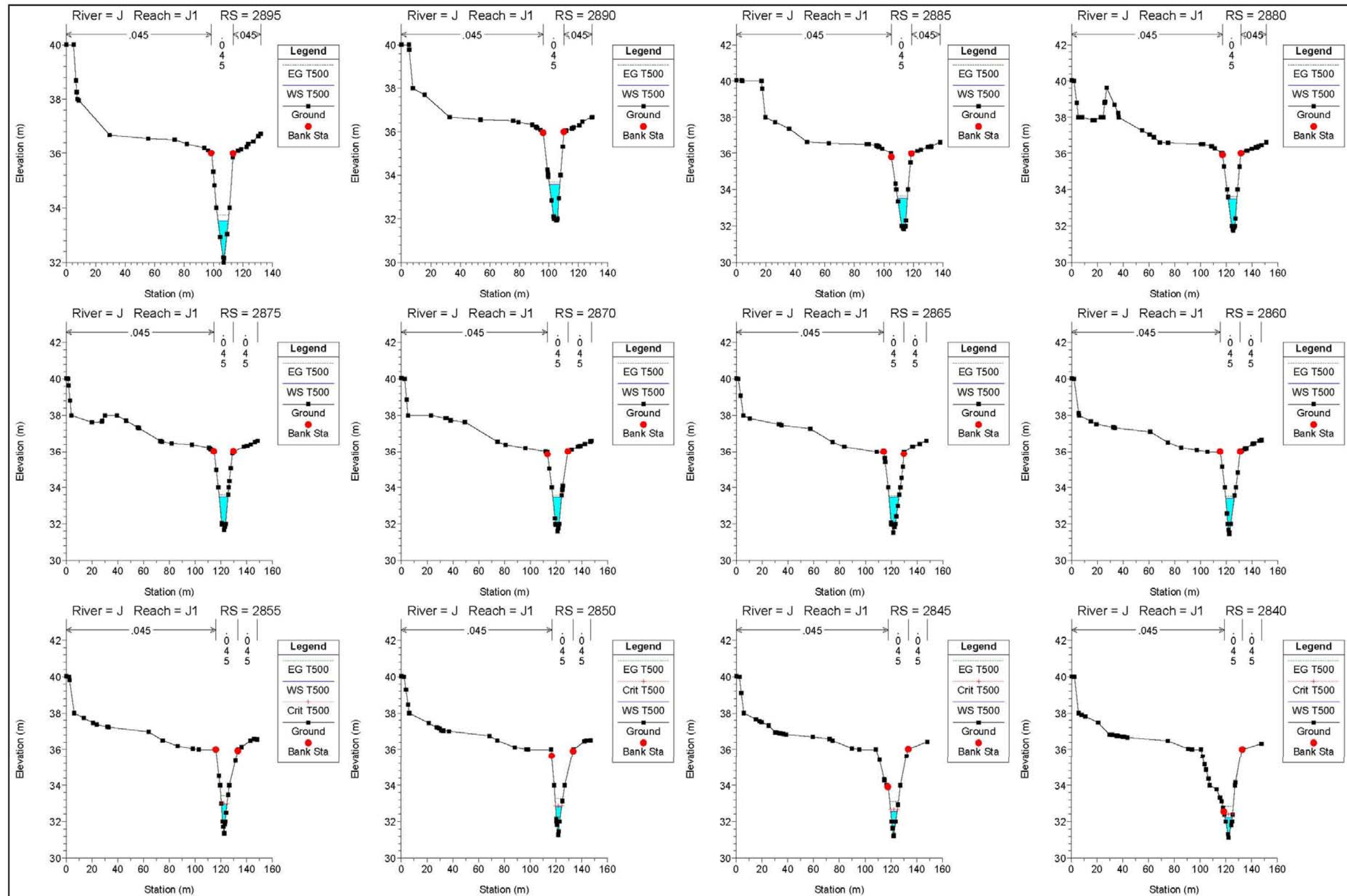


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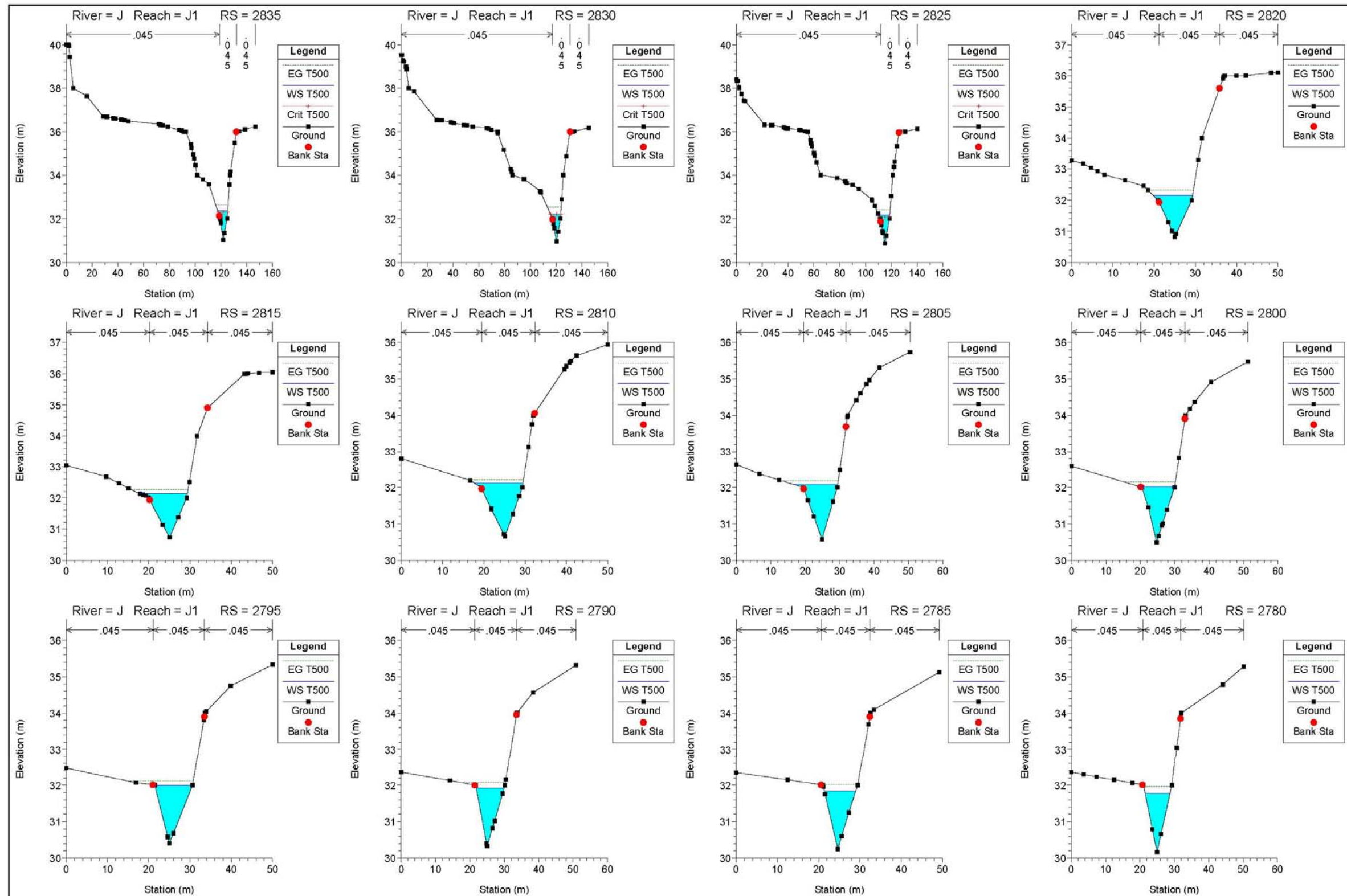




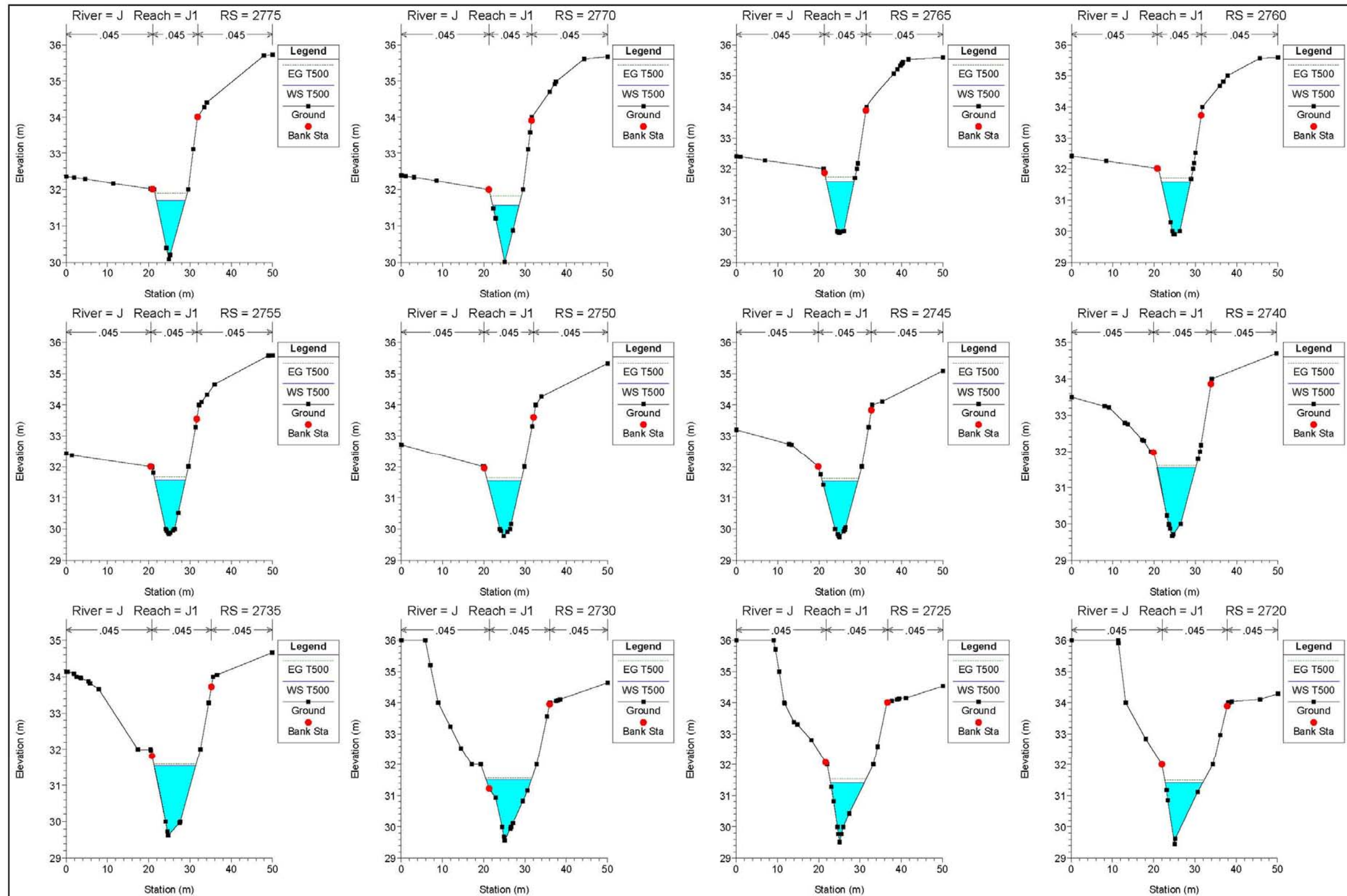
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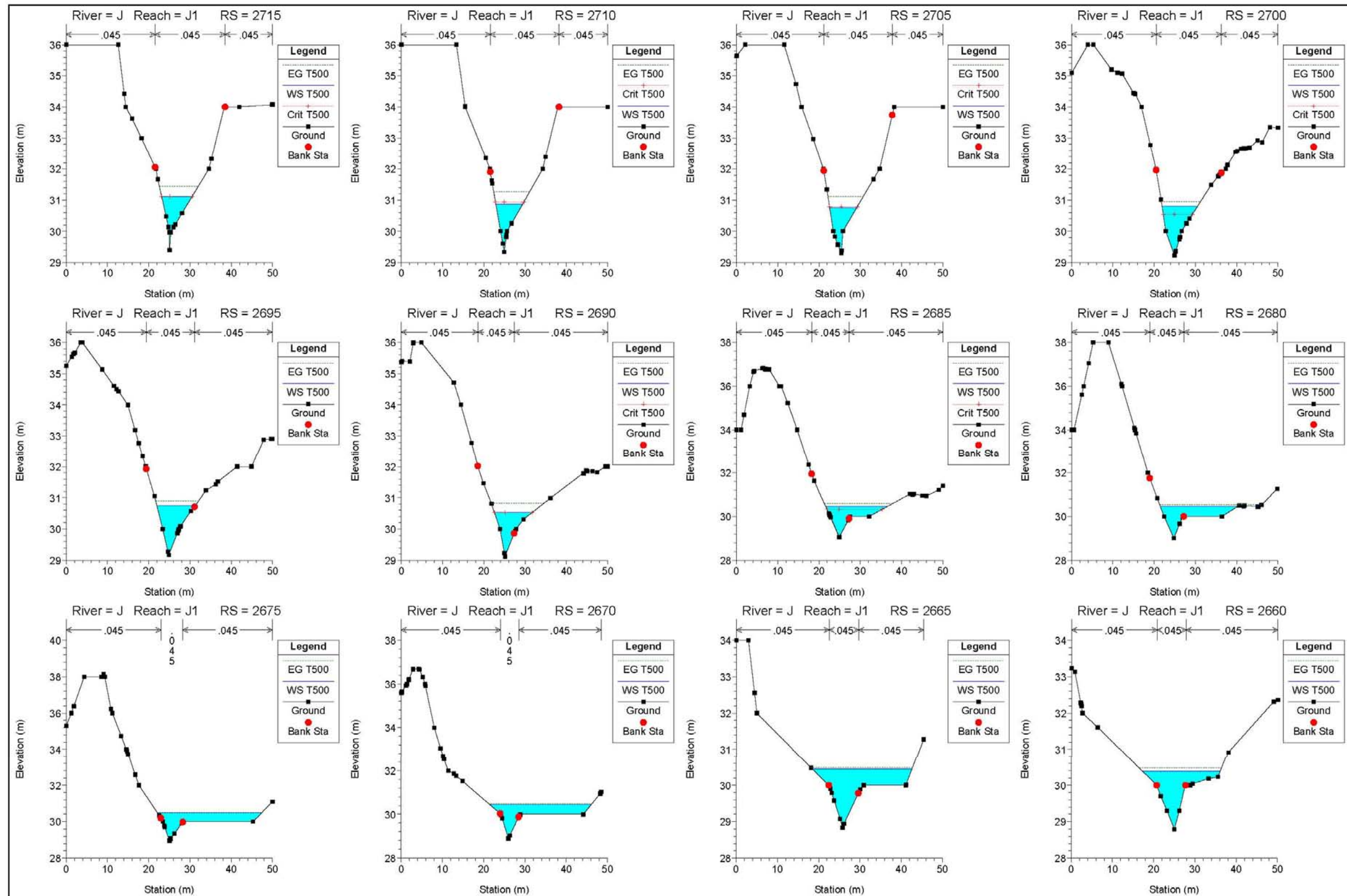
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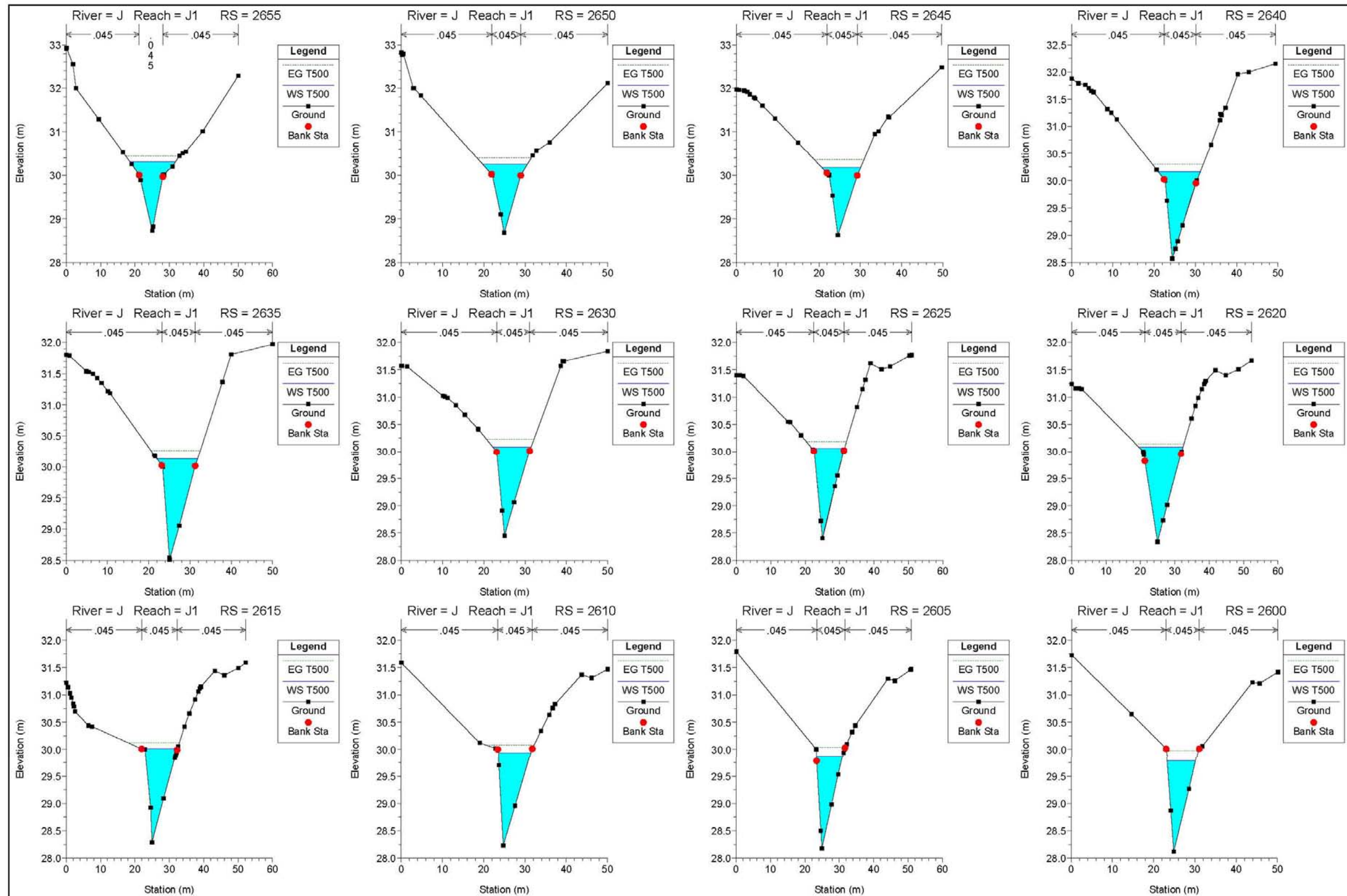
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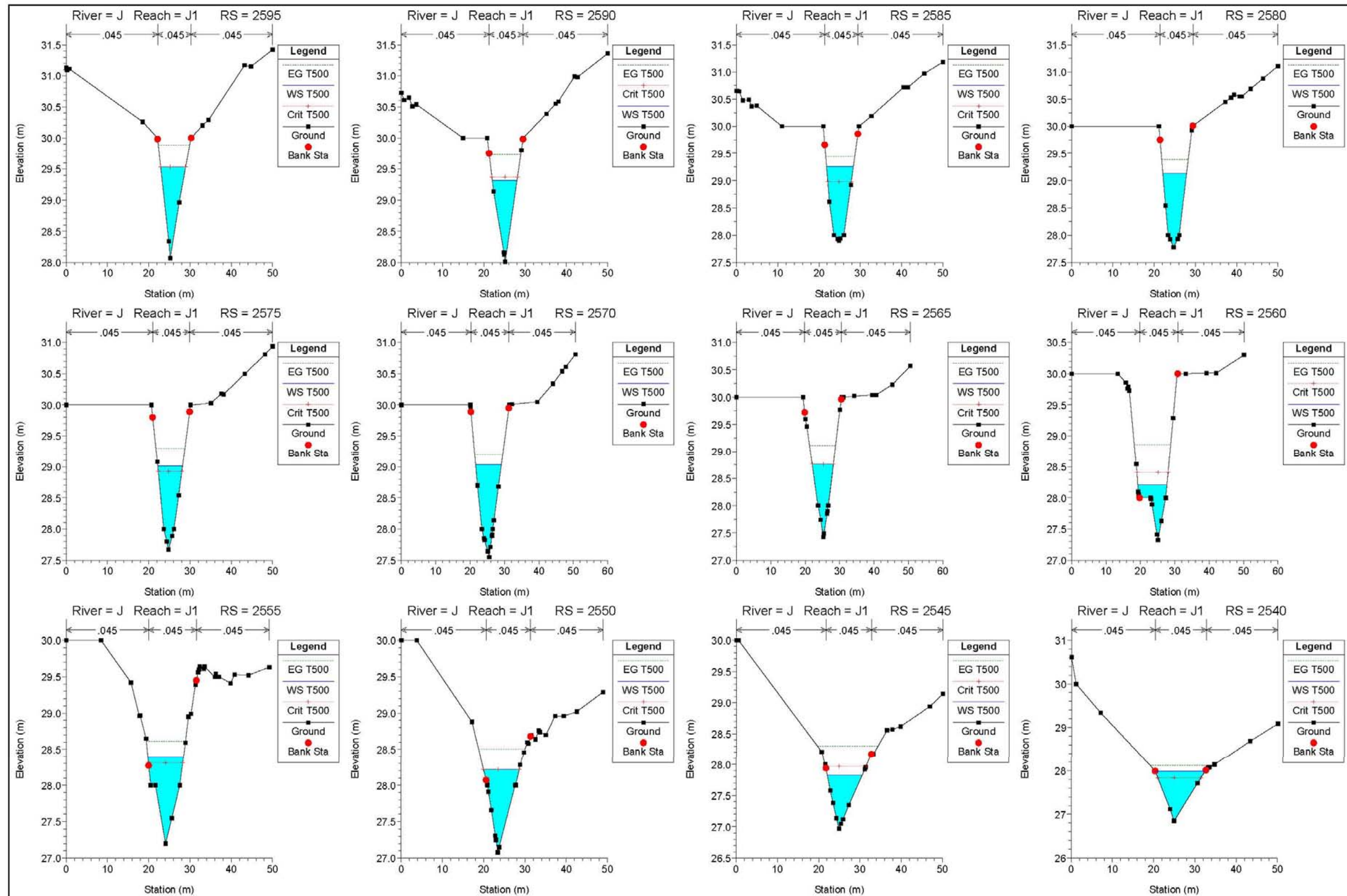
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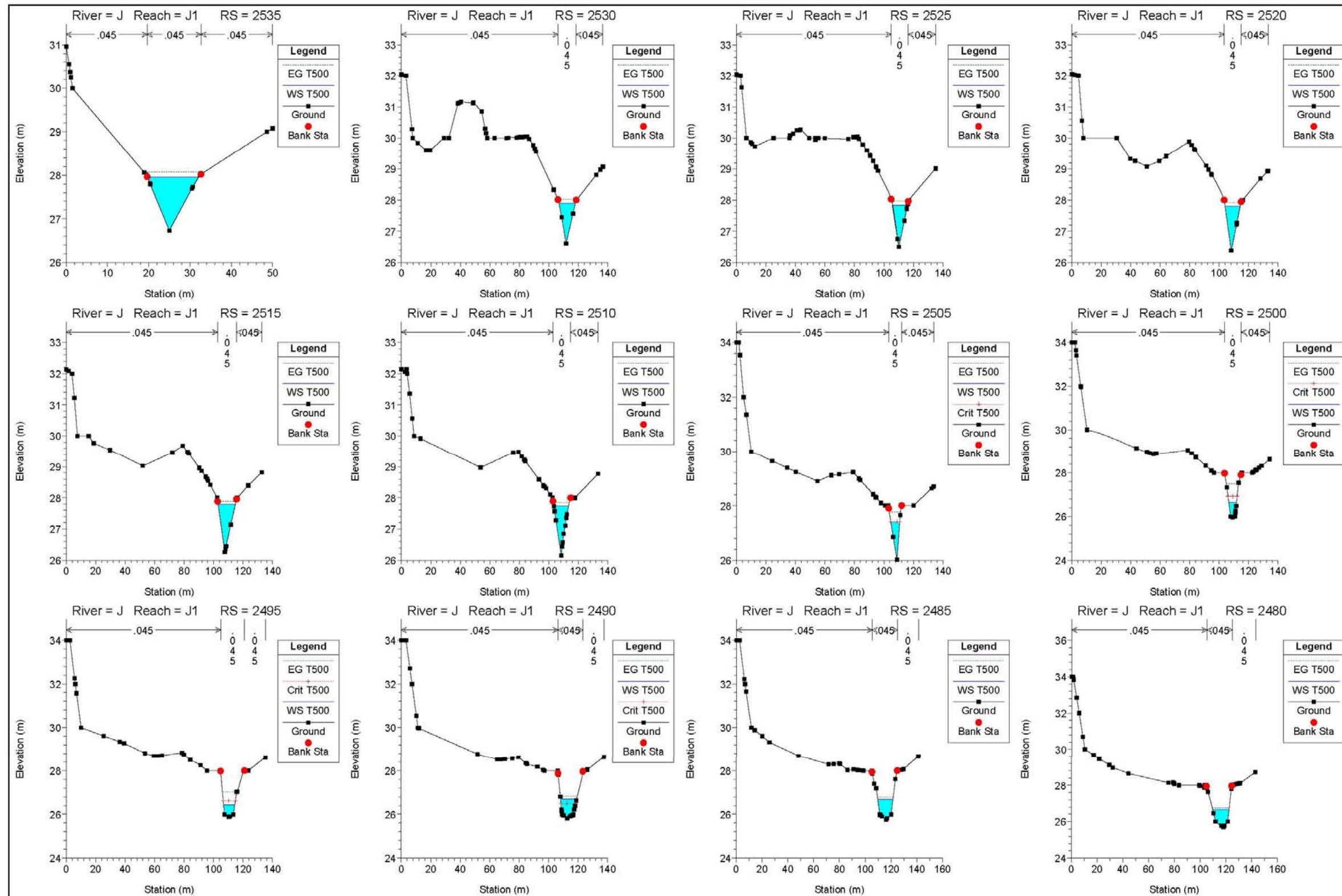
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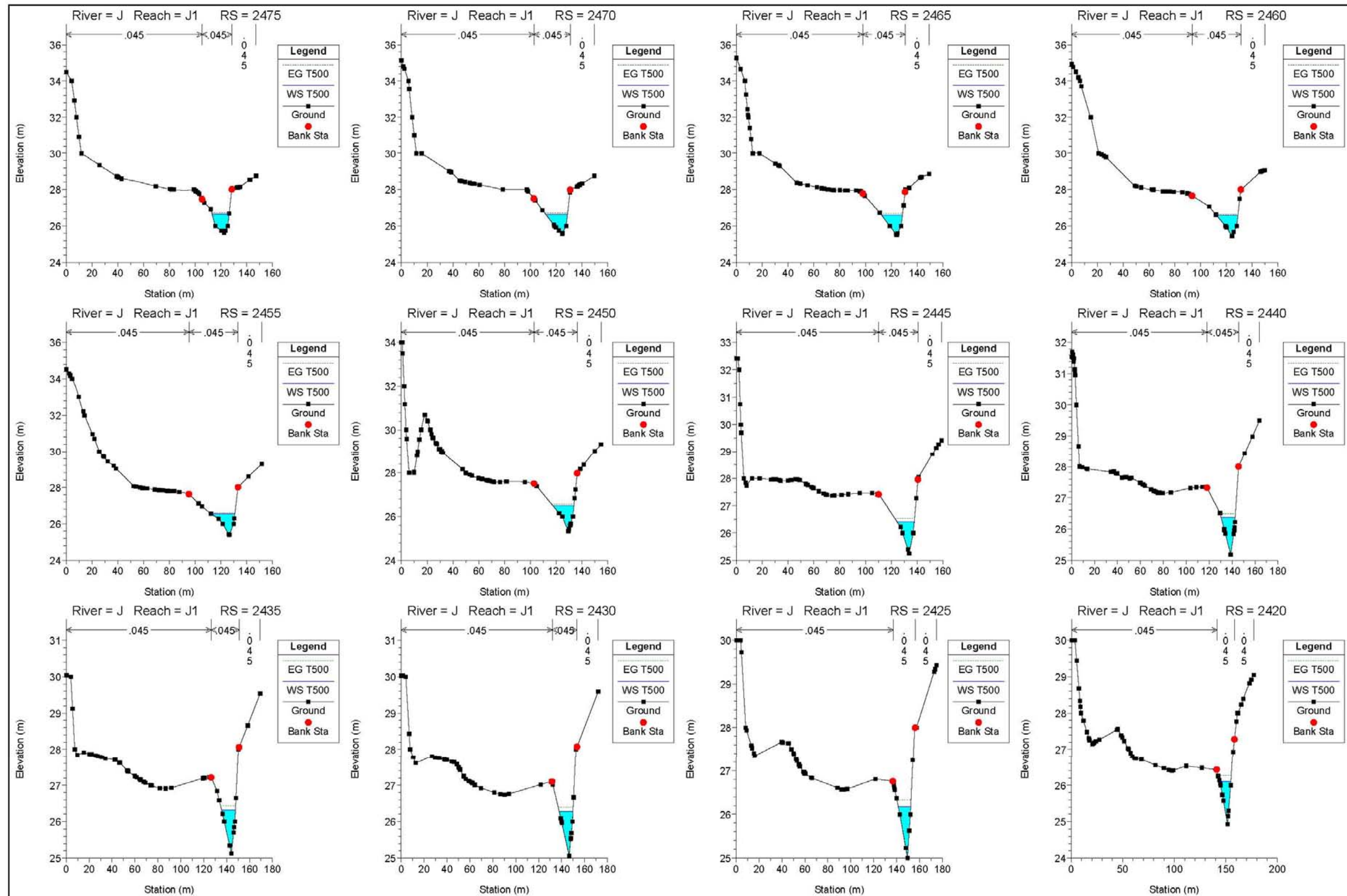
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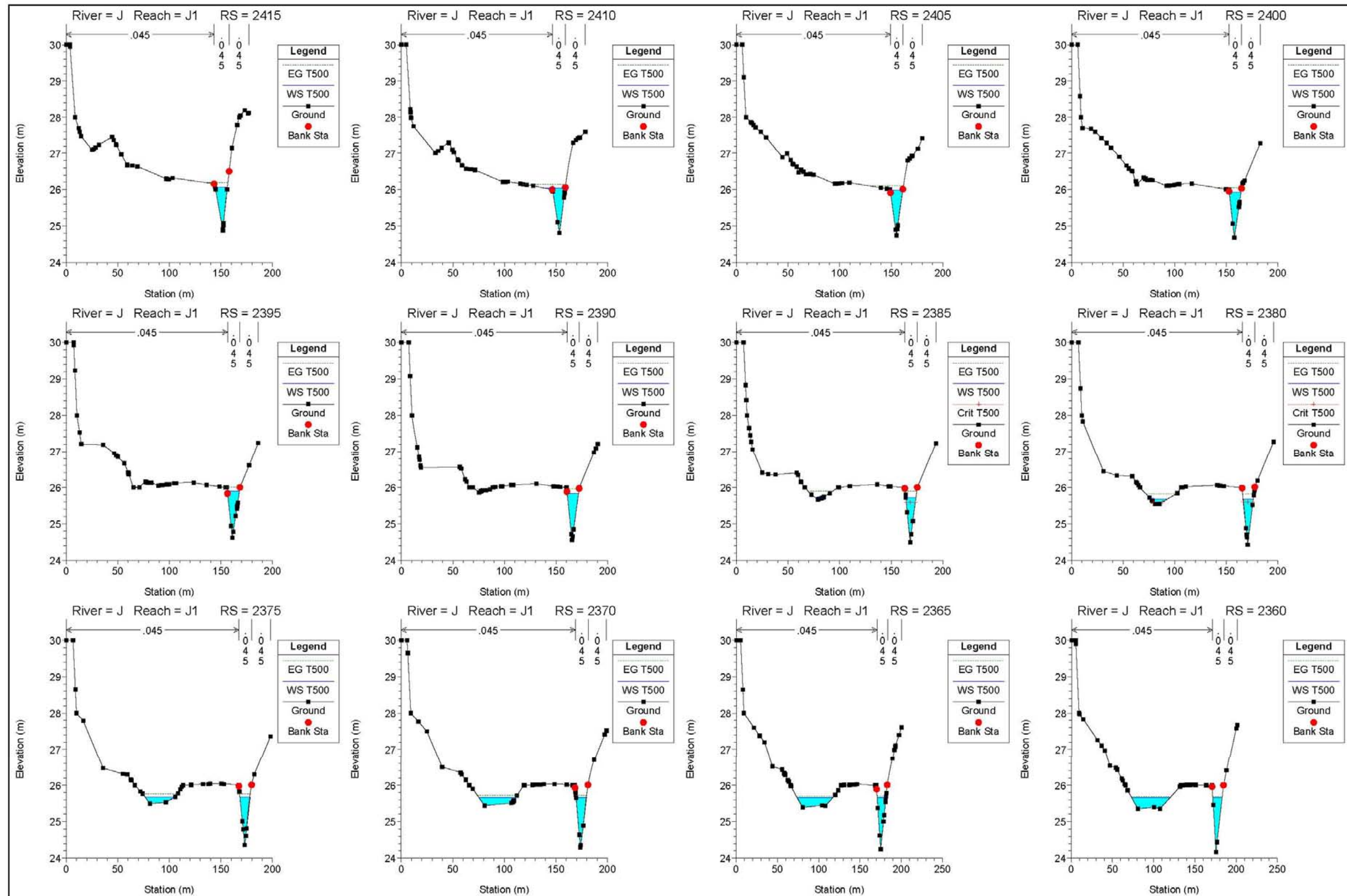
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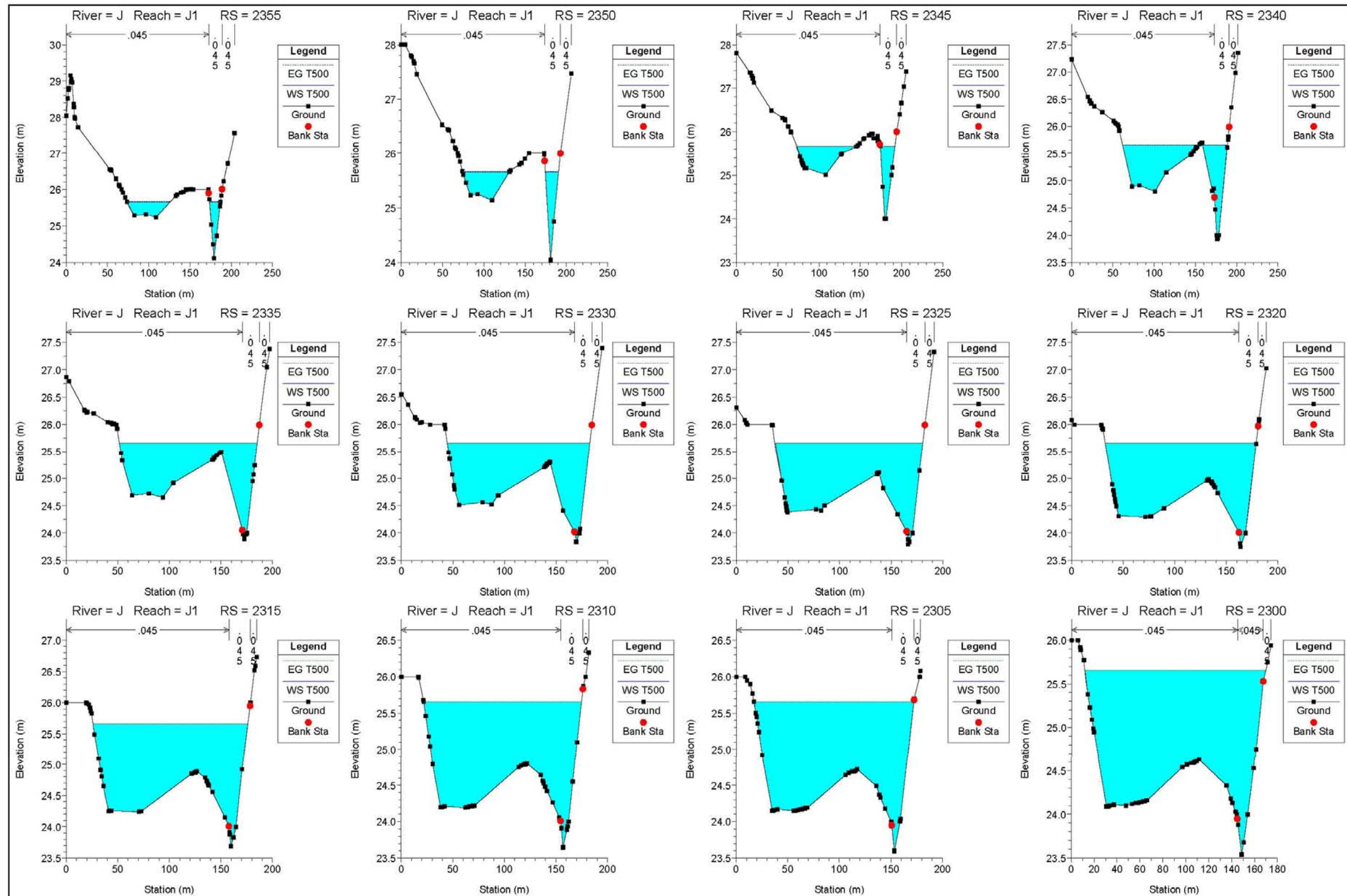
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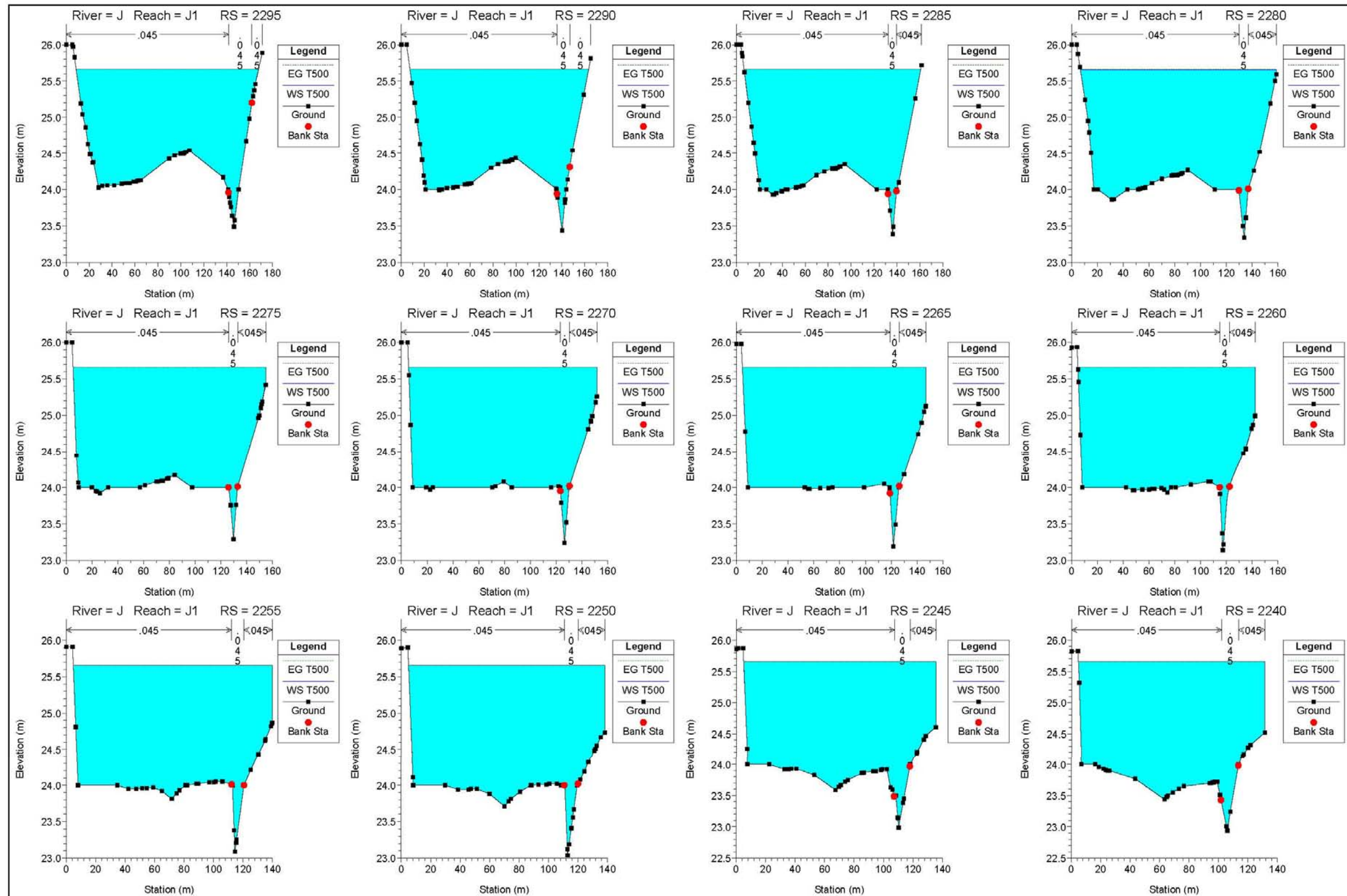
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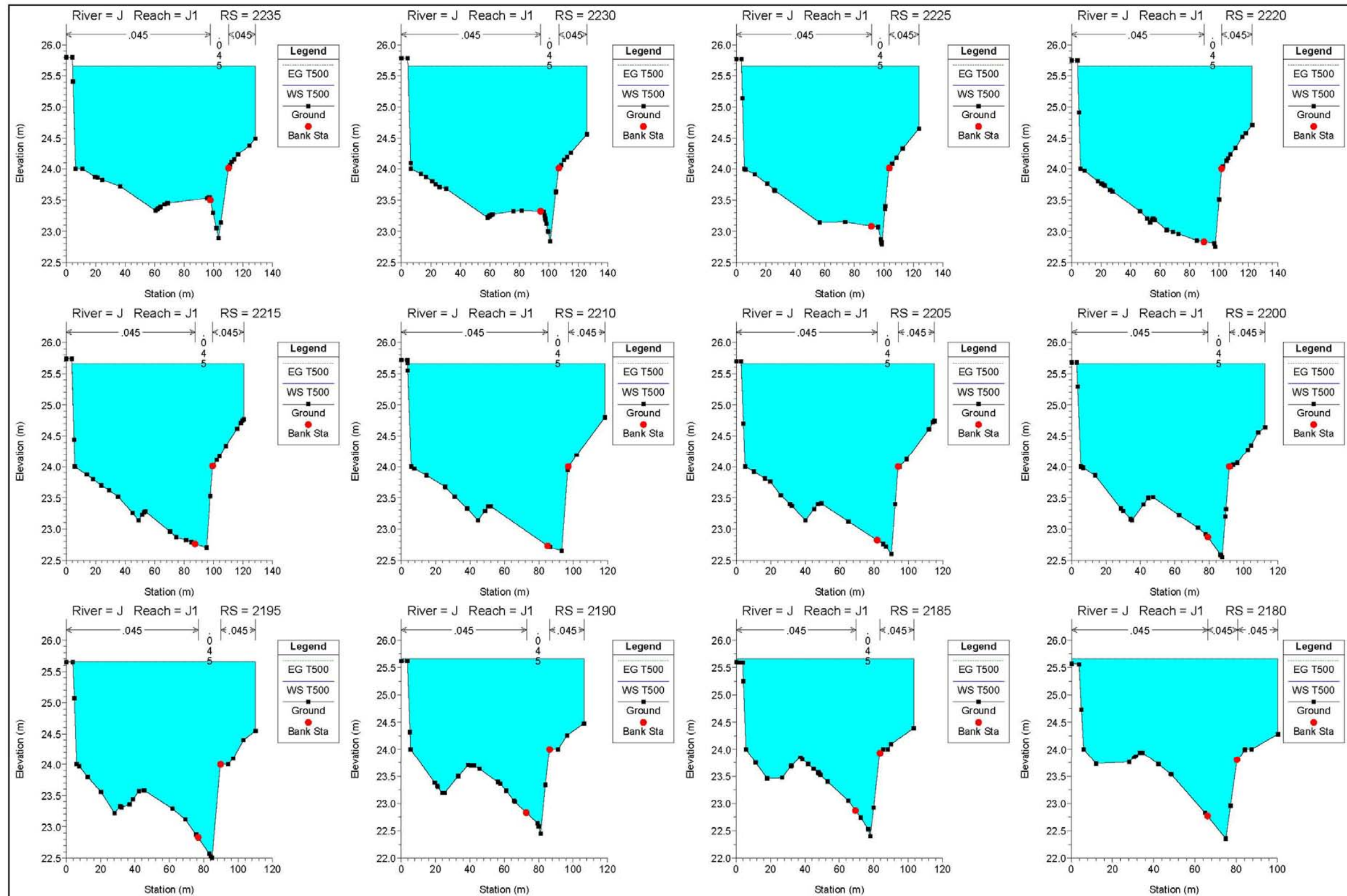
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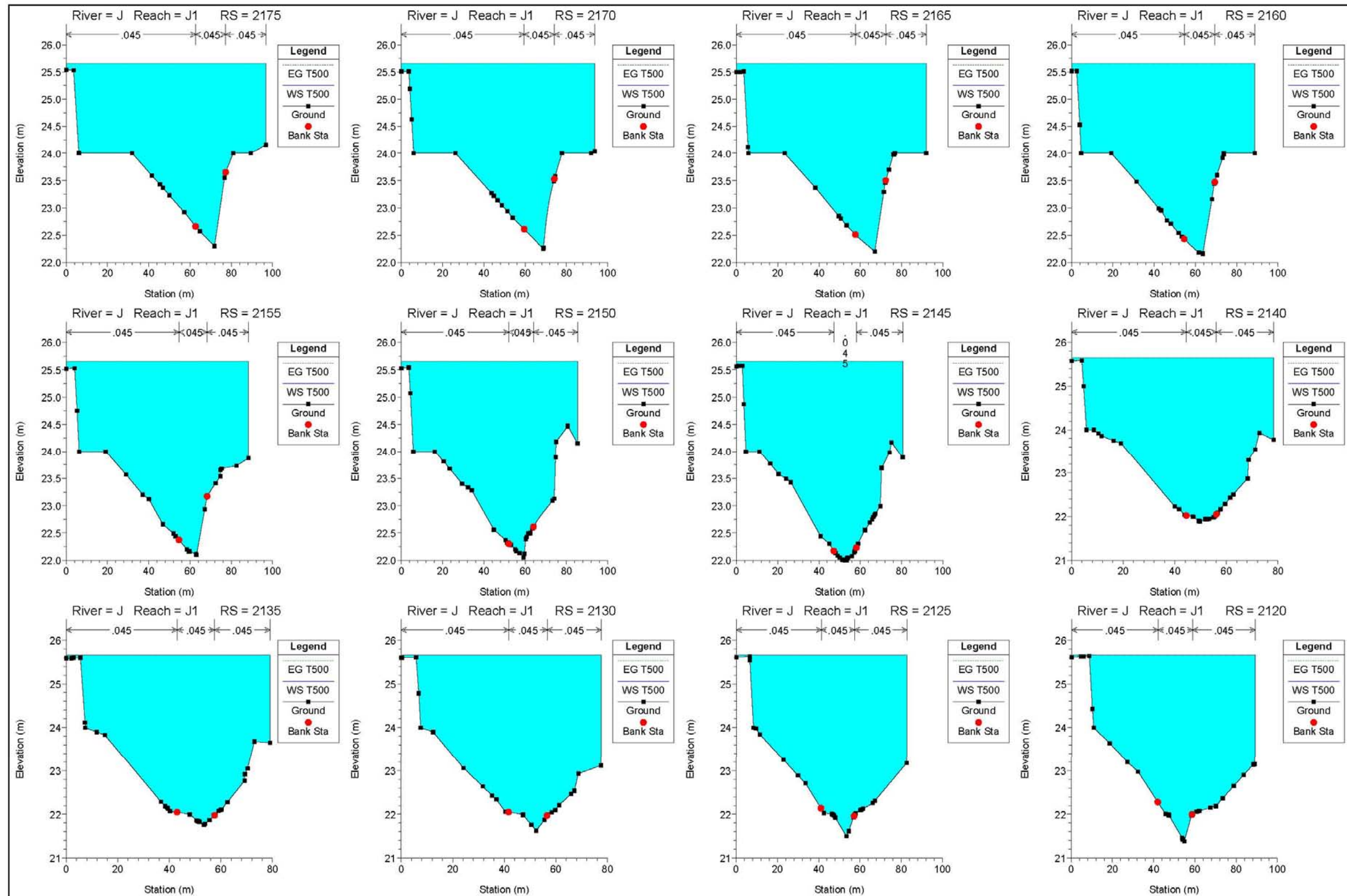
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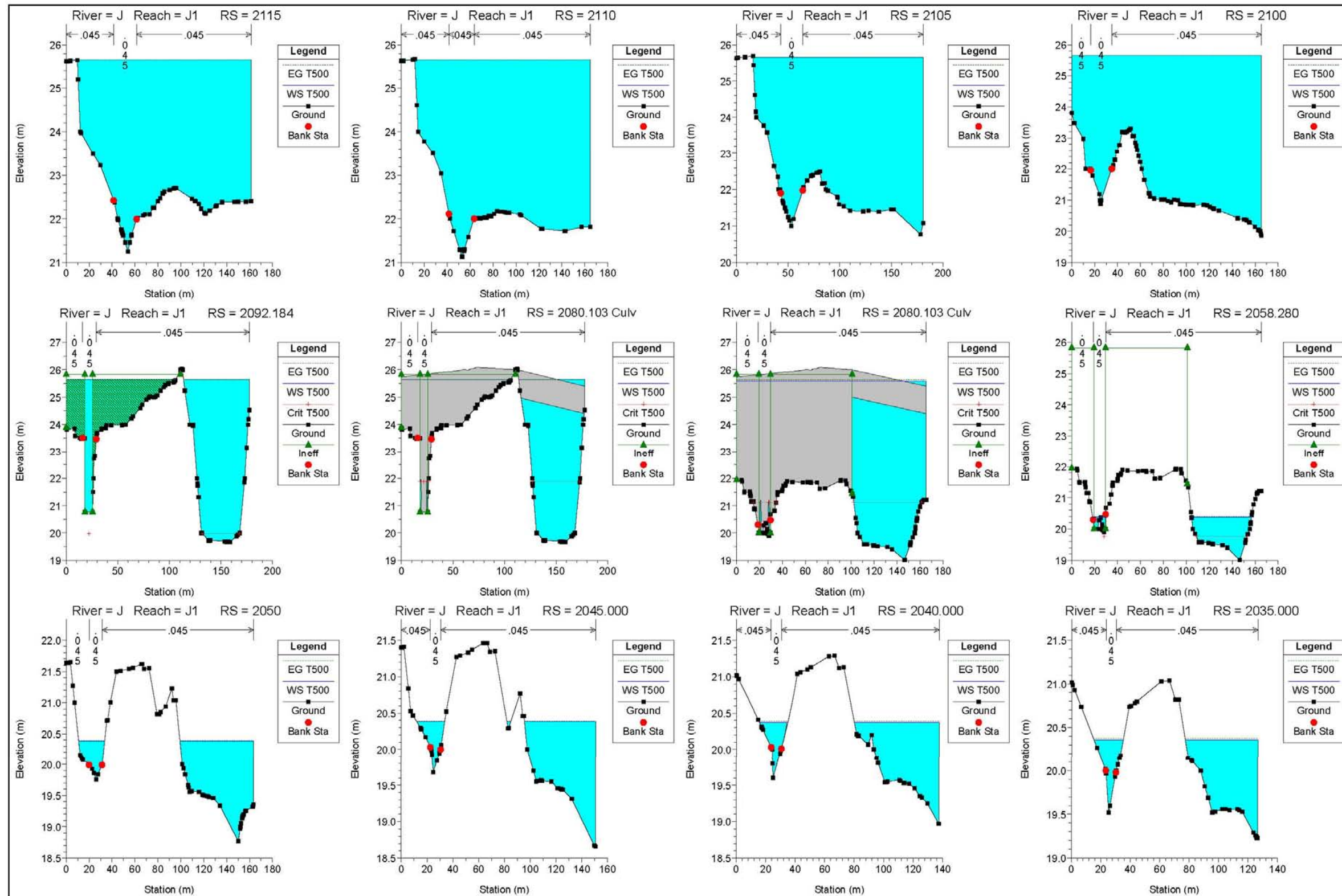
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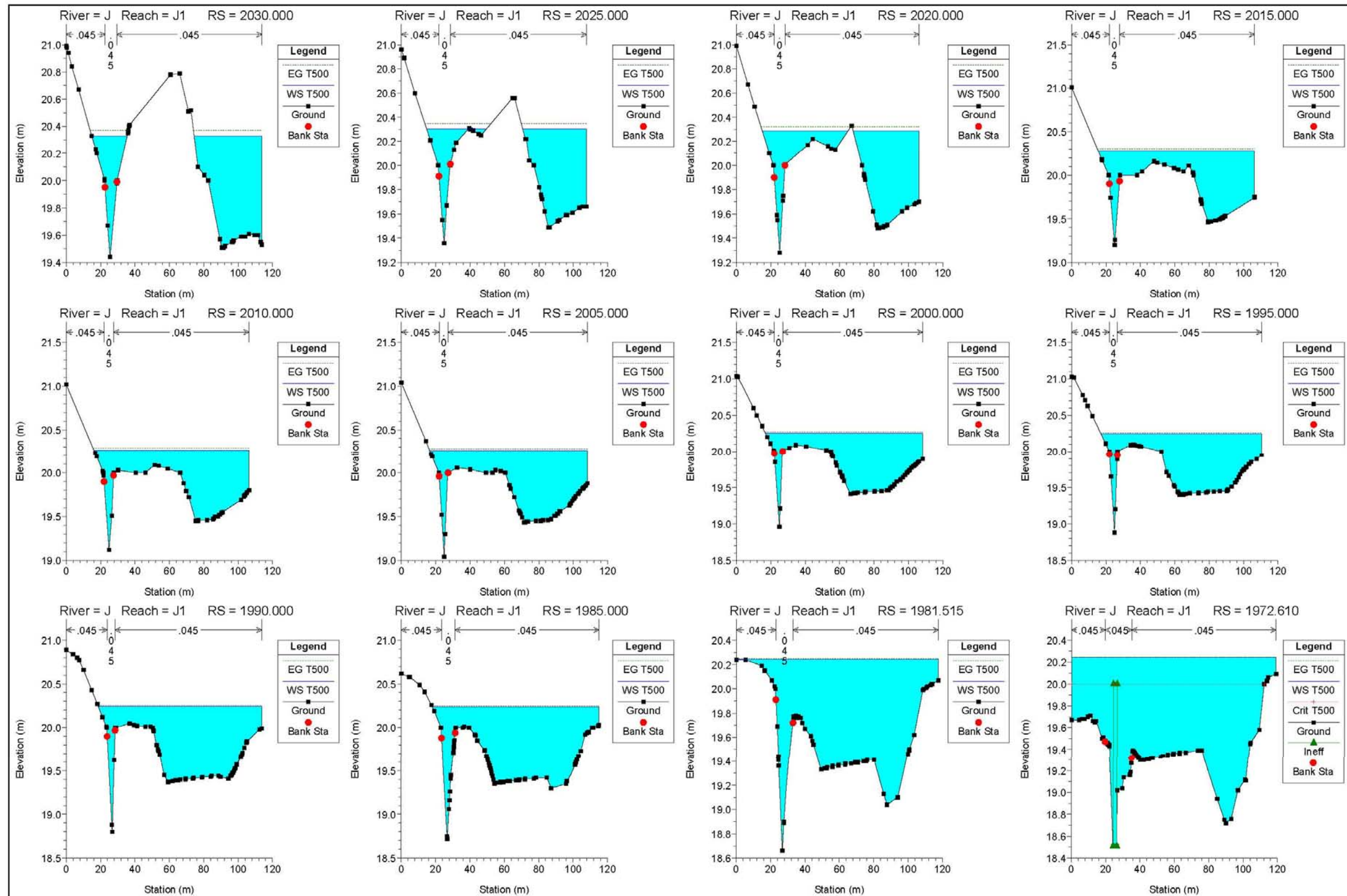
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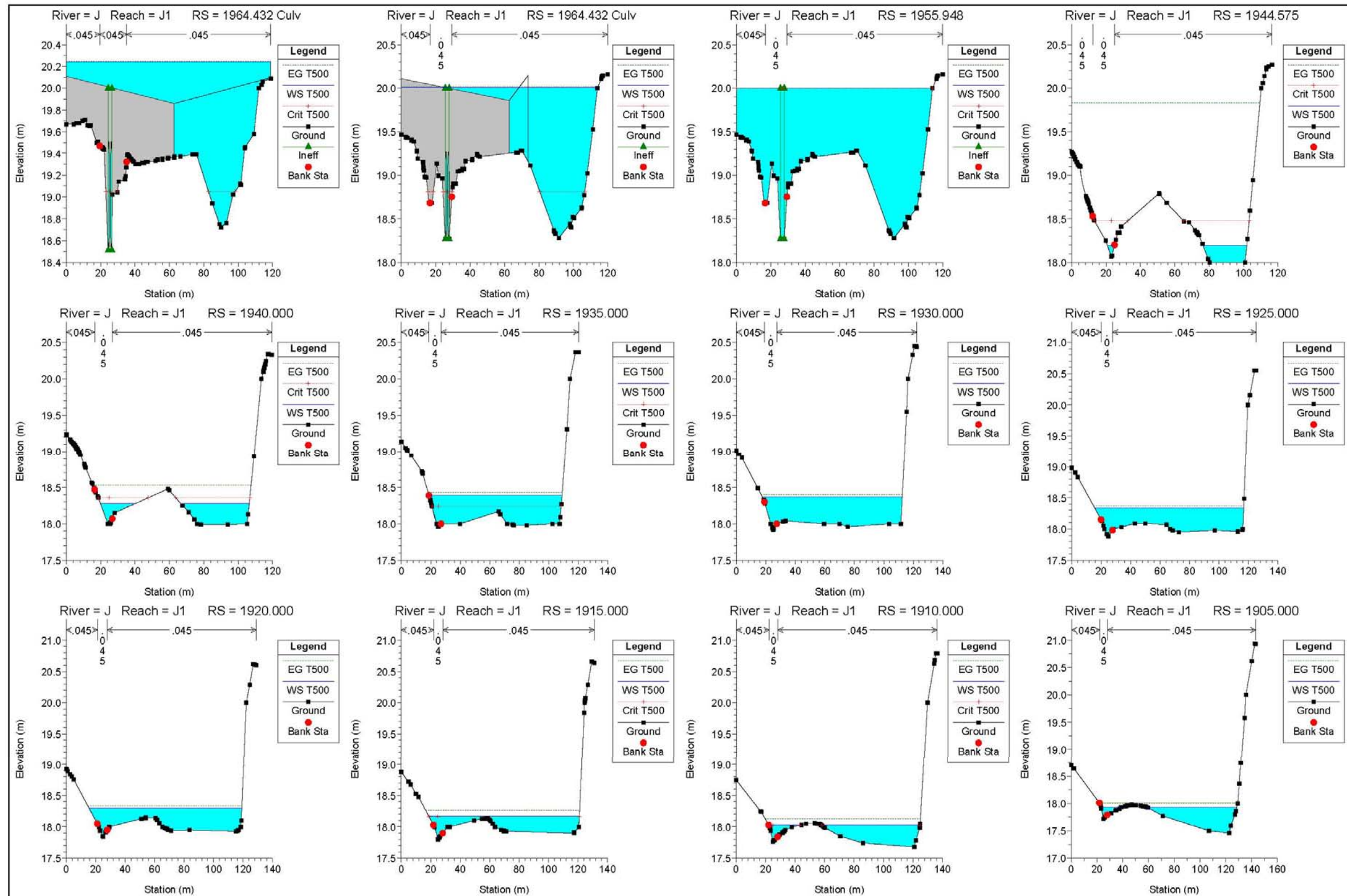
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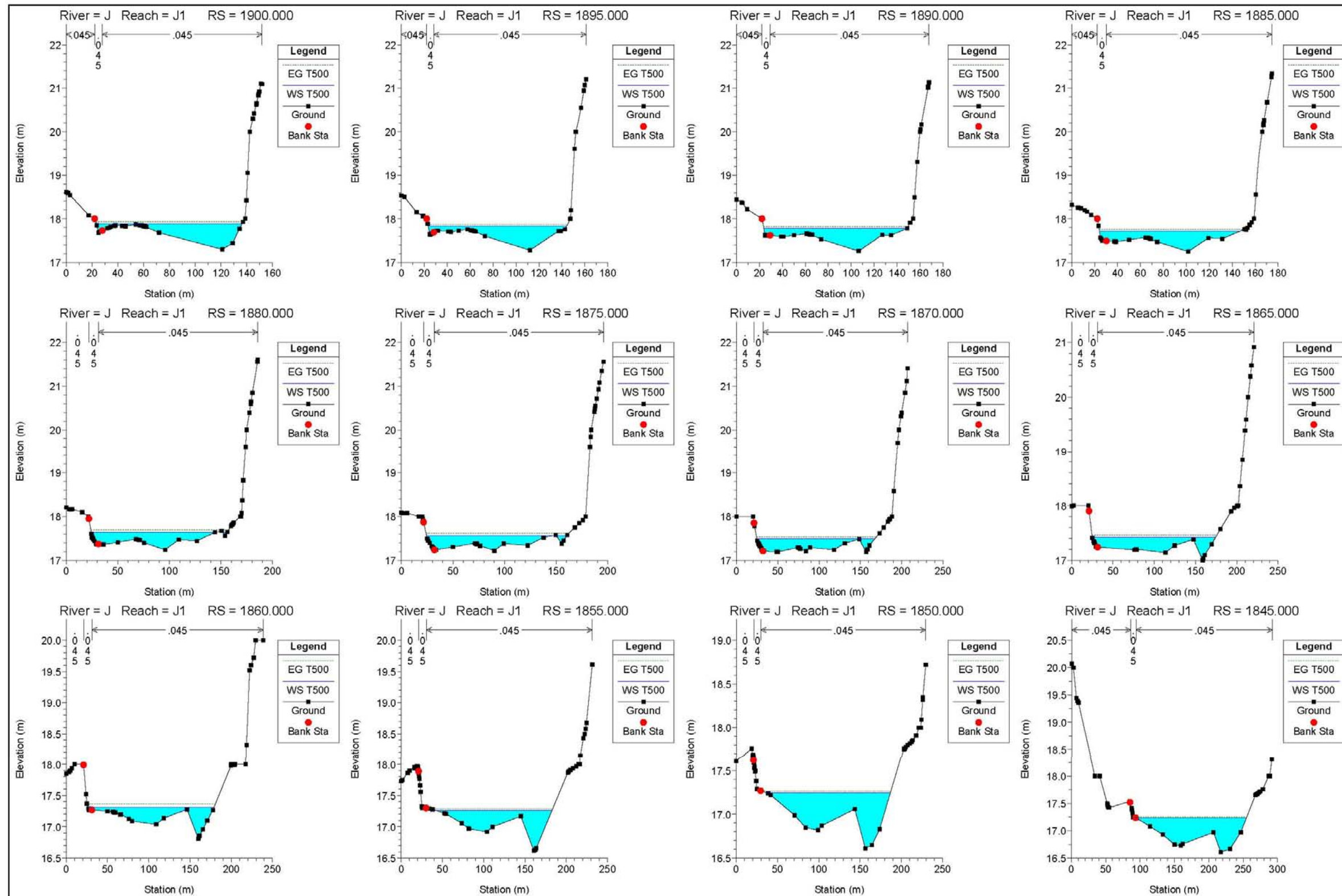
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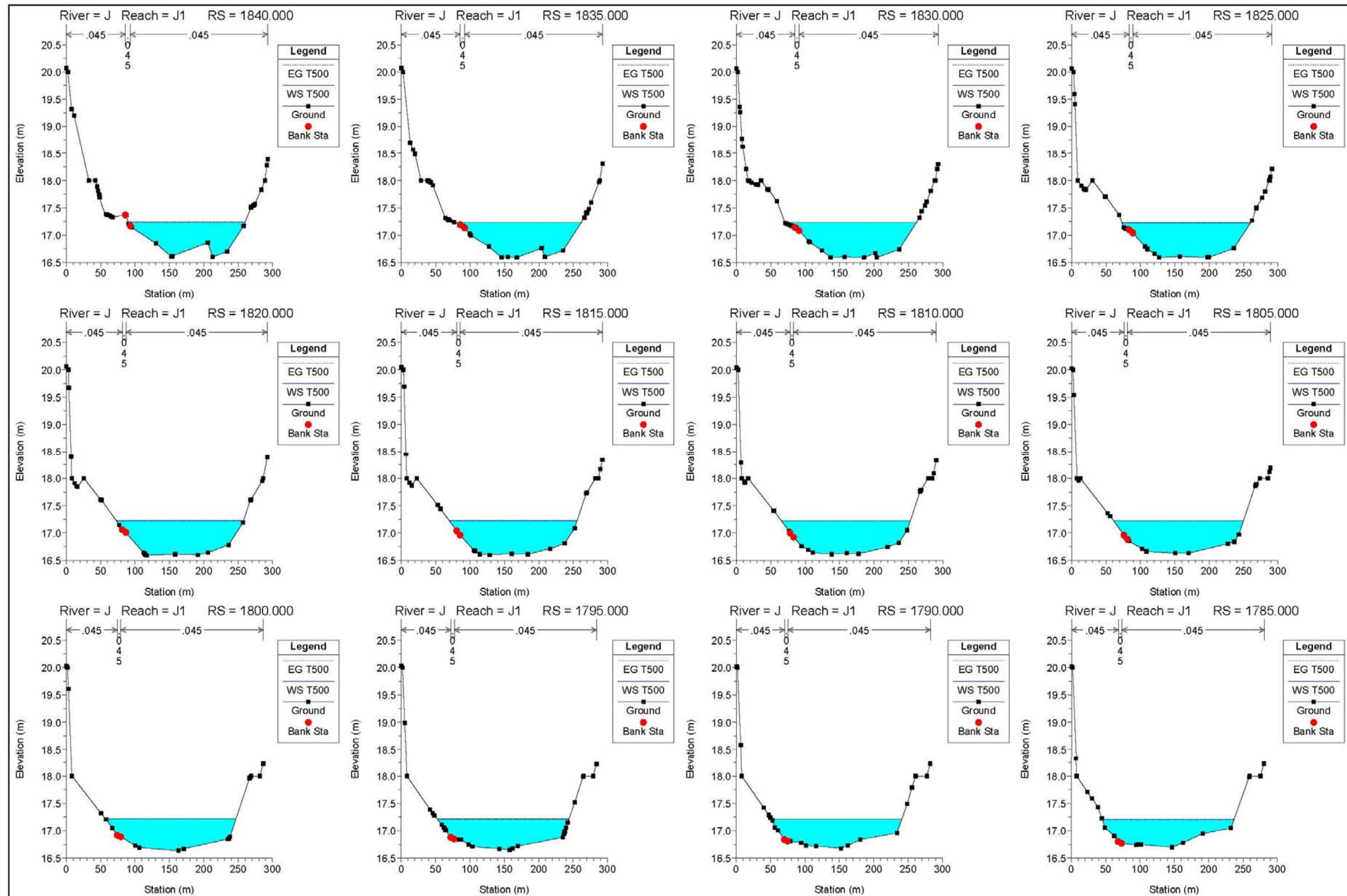
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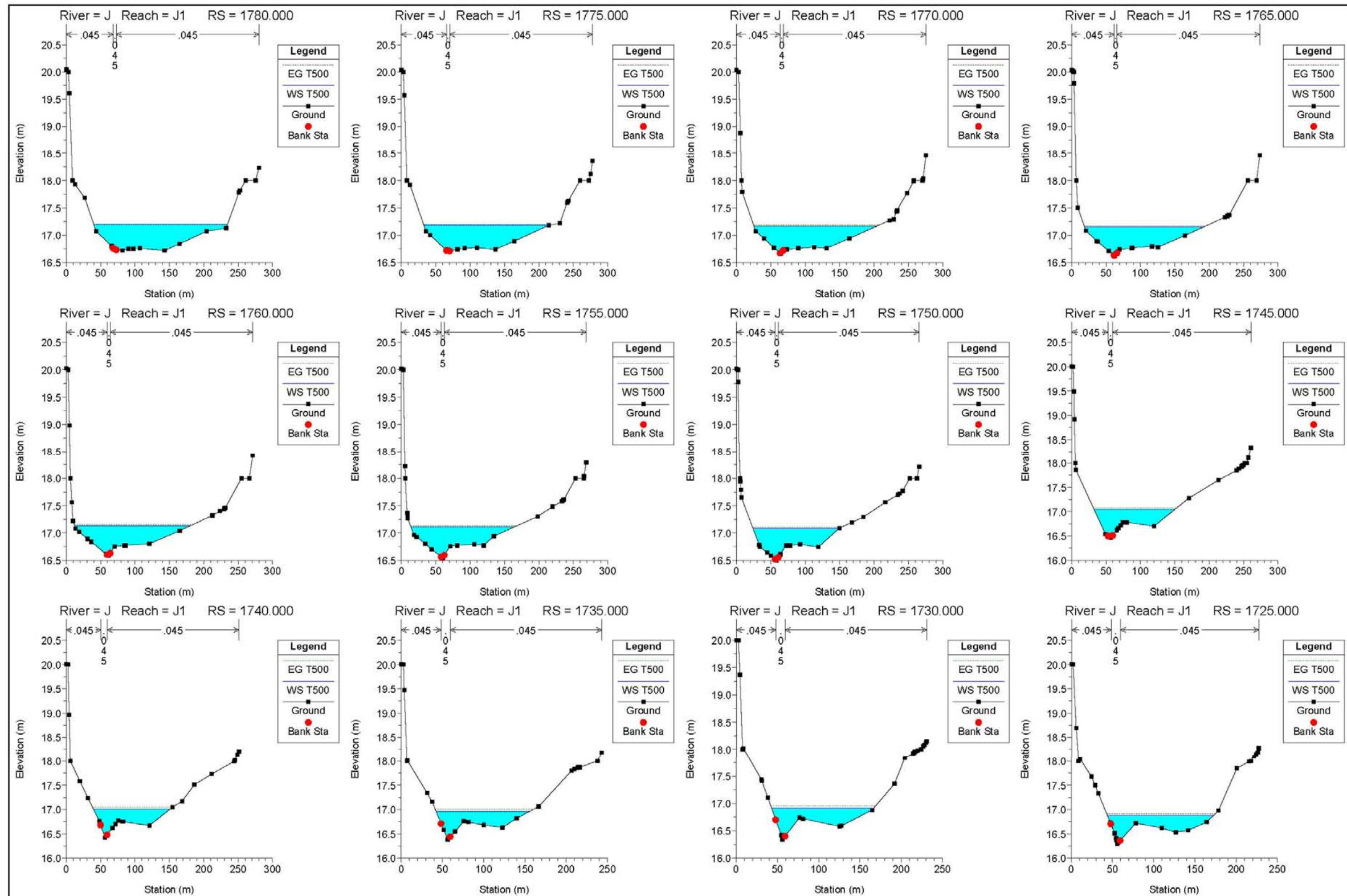
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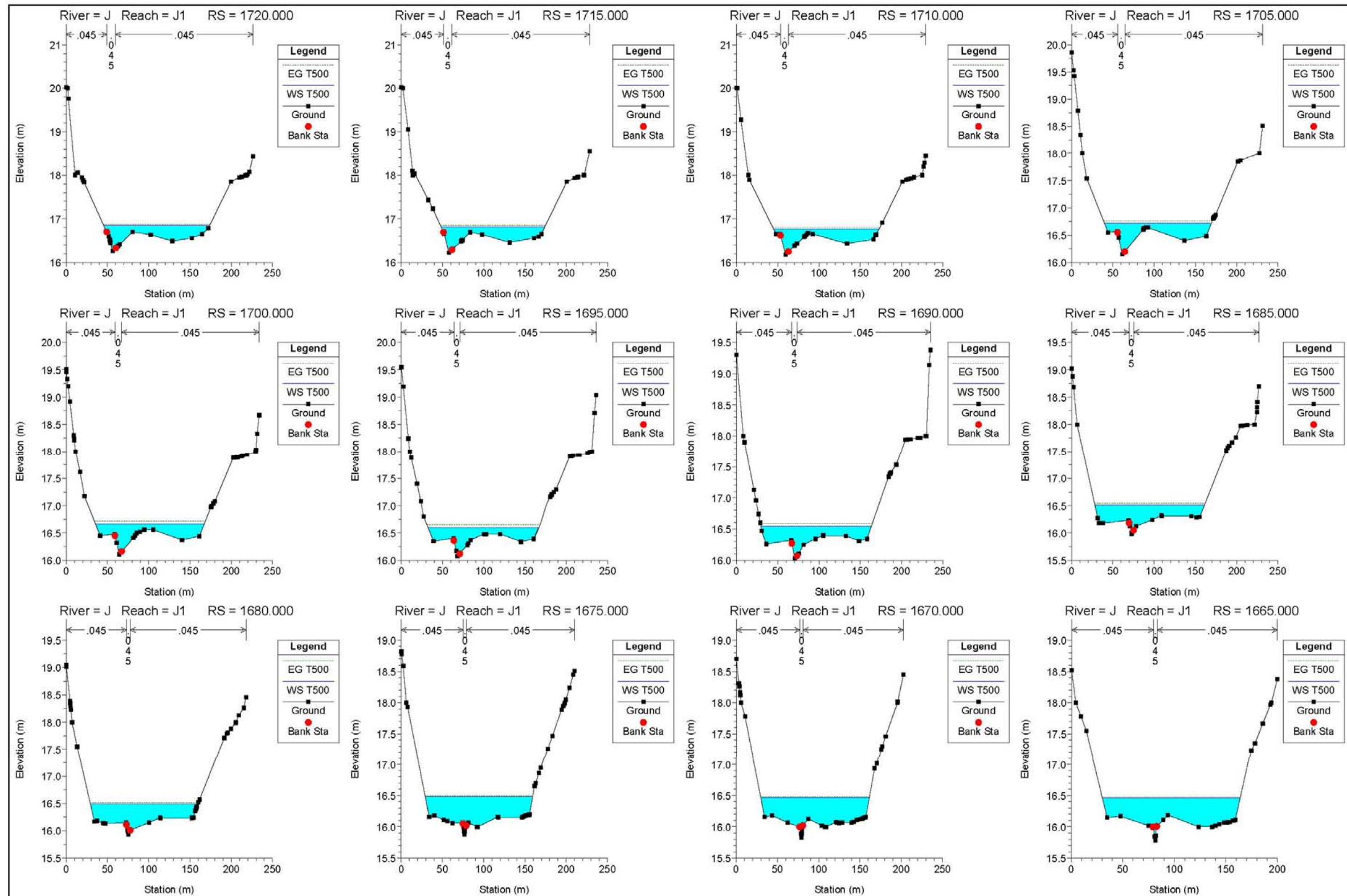
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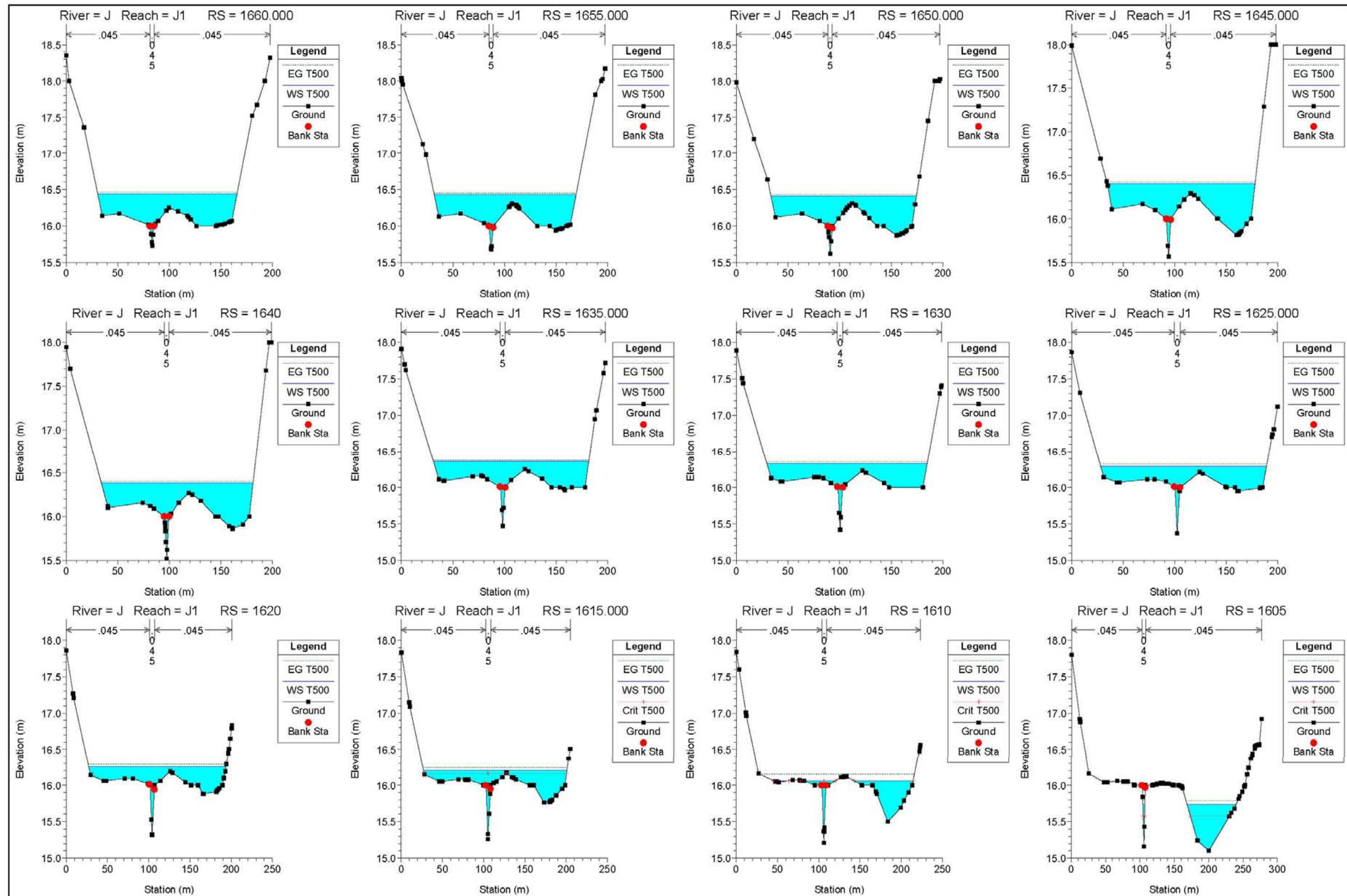
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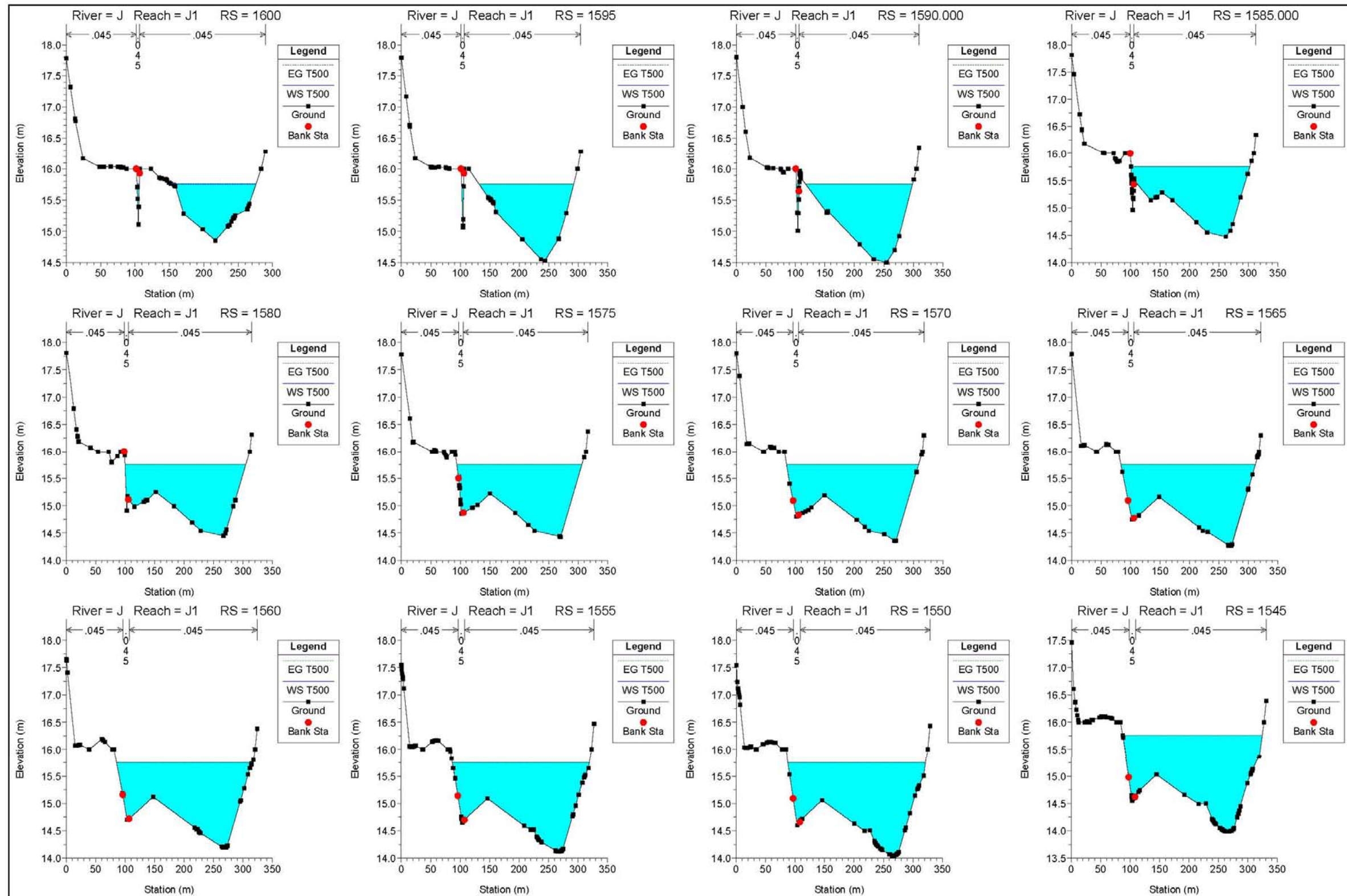
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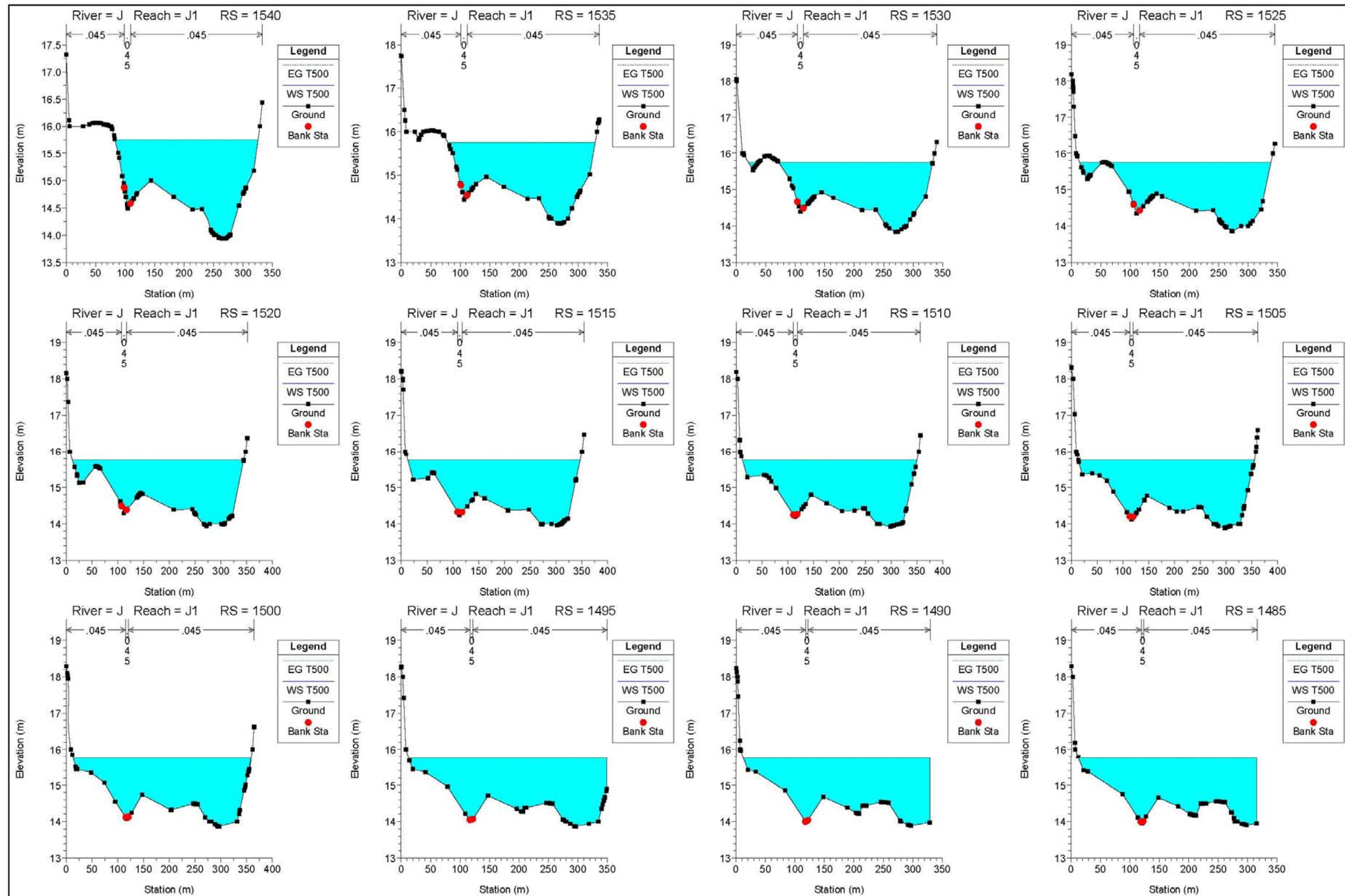
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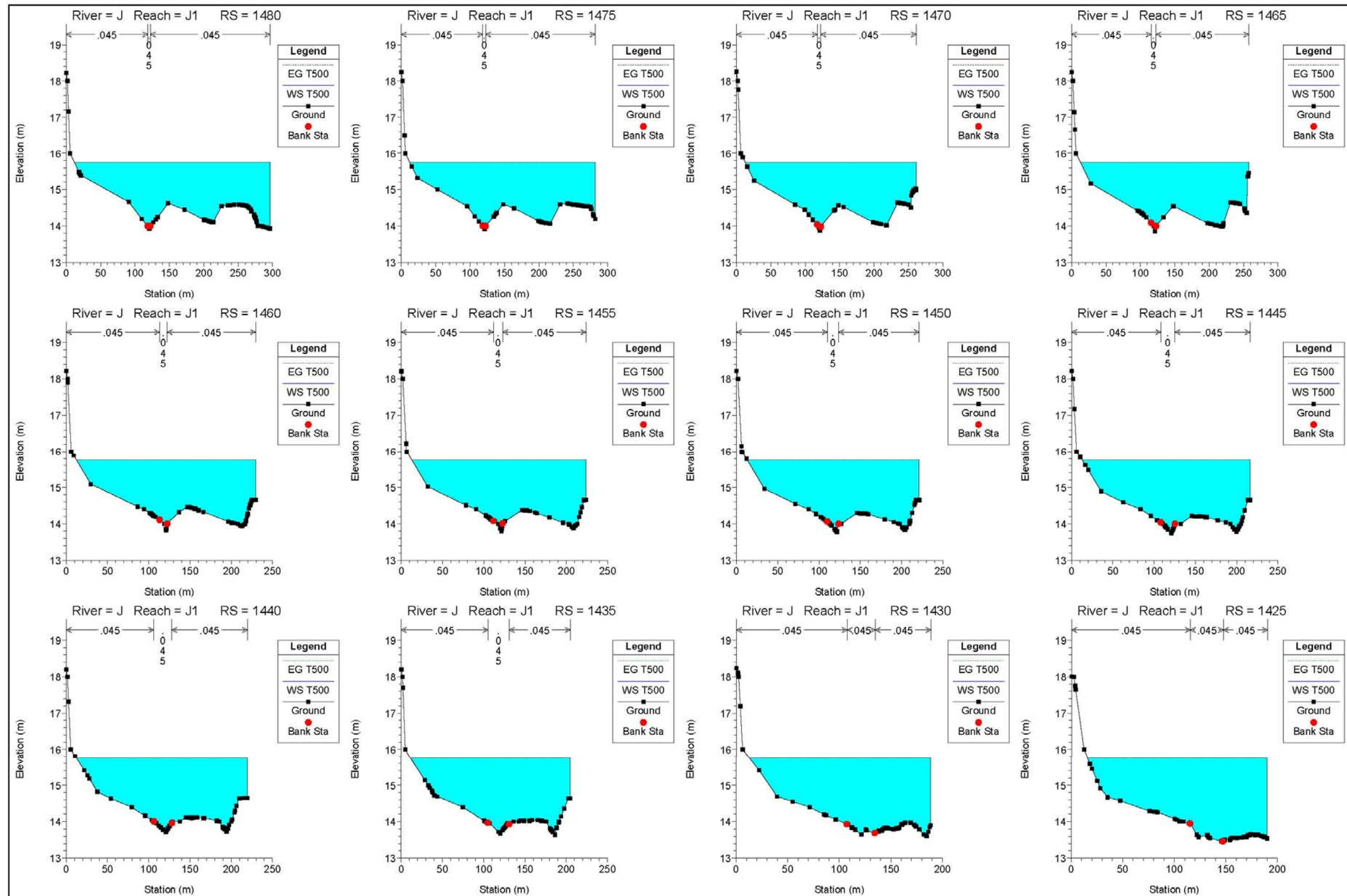
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3.8.4.- Tablas de resultados

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	3200	T500	11.25	39.45	40.08	40.21	40.51	0.106063	2.92	3.87	15.8	1.84
J1	3195	T500	11.25	38.92	39.89	39.94	40.21	0.032283	2.51	4.47	8.74	1.12
J1	3190	T500	11.25	38.39	39.65	39.7	40.04	0.032144	2.79	4.04	6.43	1.12
J1	3185	T500	11.25	37.95	39.01	39.25	39.78	0.065321	3.89	2.89	4.54	1.56
J1	3180	T500	11.25	37.77	39.24	38.85	39.39	0.007201	1.72	6.55	6.7	0.55
J1	3175	T500	11.25	37.59	39.27		39.35	0.003324	1.28	8.78	7.77	0.38
J1	3170	T500	11.25	37.42	39.27		39.33	0.002487	1.12	10.01	8.76	0.34
J1	3165	T500	11.25	37.24	39.27		39.31	0.001496	0.92	12.19	9.94	0.27
J1	3160	T500	11.25	37.06	39.27		39.31	0.001	0.8	14.06	10.51	0.22
J1	3155	T500	11.25	36.88	39.27		39.3	0.00075	0.7	16.06	12.01	0.19
J1	3150	T500	11.25	36.7	39.28		39.29	0.000354	0.53	22.27	17.82	0.14
J1	3145	T500	11.25	36.52	39.28		39.29	0.000142	0.39	38.87	61.86	0.09
J1	3135	T500	11.25	36.16	39.29		39.29	0.000016	0.16	101.97	84.65	0.03
J1	3130	T500	11.25	35.98	39.29	37.46	39.29	0.000034	0.15	95.05	108.79	0.04
J1	3124.685		Culvert									
J1	3117.611	T500	11.25	35.84	37.32	37.32	38.06	0.017401	3.8	2.96	7.49	1
J1	3110	T500	11.25	35.69	36.23	36.78	39.03	0.505345	7.42	1.52	4.49	4.07
J1	3105	T500	11.25	35.61	36.42	36.75	37.44	0.116201	4.47	2.51	5.21	2.06
J1	3100	T500	11.25	35.53	37.01	36.75	37.15	0.007497	1.7	7.23	11.3	0.58
J1	3095	T500	11.25	35.46	36.96		37.11	0.007581	1.74	7.06	10.75	0.58
J1	3090	T500	11.25	35.38	36.78	36.78	37.04	0.020358	2.34	5.3	11.44	0.89
J1	3085	T500	11.25	35.31	36.63	36.42	36.73	0.006534	1.54	8.75	15.86	0.52
J1	3080	T500	11.25	35.23	36.62		36.7	0.004752	1.42	10.6	21.97	0.46
J1	3075	T500	11.25	35.15	36.6		36.67	0.003839	1.34	11.38	23.85	0.42
J1	3070	T500	11.25	35.08	36.6		36.65	0.002805	1.18	12.45	23.61	0.37
J1	3065	T500	11.25	35	36.6		36.64	0.00177	0.98	14.35	24.49	0.3
J1	3060	T500	11.25	34.93	36.57		36.63	0.003048	1.21	11.95	22.63	0.37
J1	3055	T500	11.25	34.85	36.53		36.61	0.004507	1.35	10.75	22.18	0.43
J1	3050.433	T500	11.25	34.78	36.51		36.59	0.003827	1.36	10.57	20.74	0.41
J1	3045	T500	11.25	34.7	36.48		36.56	0.004205	1.4	9.98	19.1	0.42
J1	3040	T500	11.25	34.62	36.44		36.54	0.005346	1.5	8.96	17.21	0.46
J1	3035	T500	11.25	34.55	36.41		36.51	0.00521	1.48	8.88	16.49	0.45
J1	3030	T500	11.25	34.47	36.4		36.48	0.004367	1.35	11.04	29.2	0.4
J1	3025	T500	11.25	34.39	36.35		36.45	0.005281	1.49	9	19.9	0.45
J1	3020	T500	11.25	34.32	36.32		36.42	0.004879	1.49	9.17	18.86	0.44
J1	3015	T500	11.25	34.24	36.15	35.92	36.37	0.013453	2.14	6.04	14.47	0.68
J1	3009.493	T500	11.25	34.16	36.02	35.83	36.29	0.014243	2.33	5	10.74	0.75
J1	3005	T500	11.25	34.09	35.86	35.76	36.21	0.020103	2.61	4.34	4.86	0.85
J1	3000	T500	11.25	34.01	35.67	35.67	36.08	0.027904	2.85	3.95	4.83	1
J1	2995	T500	11.25	33.92	34.83	35.13	35.77	0.13126	4.43	2.64	5.51	1.97
J1	2990	T500	11.25	33.82	35.04	35.13	35.48	0.029261	3.01	3.95	6.59	1.08
J1	2985	T500	11.25	33.73	35.16	35.01	35.33	0.009486	1.97	6.72	10.81	0.64
J1	2980	T500	11.25	33.63	35.15		35.27	0.006759	1.71	8.11	13.79	0.54
J1	2975	T500	11.25	33.54	35.14		35.24	0.005515	1.56	8.75	13.85	0.49
J1	2970	T500	11.25	33.44	35.13		35.21	0.004534	1.42	10.14	18.03	0.44
J1	2965	T500	11.25	33.34	35.09		35.18	0.005352	1.53	9.15	15.73	0.48
J1	2960	T500	11.25	33.25	35		35.14	0.008295	1.82	7.37	12.9	0.59
J1	2955	T500	11.25	33.15	34.95		35.1	0.008382	1.83	7.13	11.75	0.58
J1	2950	T500	11.25	33.06	34.73		35.02	0.017576	2.42	4.65	5.16	0.81
J1	2945	T500	11.25	32.96	34.64		34.93	0.017634	2.41	4.68	5.28	0.82

DETERMINACION DE LOS LIMITES DEL DOMUNIO PUBLICO HIDRAULICO Y LAS ZONAS INUNDABLES EN LAS CUENCAS DEL ARROYO DE LAS CAÑAS Y ZONA TREVENEZ-BUENAVISTA, EN LOS DESARROLLOS PREVISTOS POR EL P.G.O.U. EN REVISION

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	2940	T500	11.25	32.87	34.56		34.84	0.016804	2.35	4.87	5.81	0.8
J1	2935	T500	11.25	32.77	34.54		34.75	0.013172	2.03	5.63	6.99	0.68
J1	2930	T500	11.25	32.67	34.24	34.24	34.64	0.027153	2.81	4.01	5	1
J1	2925	T500	11.25	32.58	33.94	34.06	34.46	0.040816	3.21	3.5	5.08	1.23
J1	2920	T500	11.25	32.48	33.8	33.89	34.25	0.03568	2.96	3.8	5.83	1.17
J1	2915	T500	11.25	32.39	33.9	33.74	34.12	0.013997	2.07	5.45	7.21	0.76
J1	2910	T500	11.25	32.29	33.84		34.05	0.013021	2.03	5.55	7.13	0.73
J1	2905	T500	11.25	32.19	33.66	33.6	33.96	0.020947	2.45	4.6	6.29	0.91
J1	2900	T500	11.25	32.1	33.55	33.5	33.85	0.021516	2.46	4.57	6.34	0.92
J1	2895	T500	11.25	32	33.53		33.74	0.01326	2.05	5.48	6.96	0.74
J1	2890	T500	11.25	31.92	33.56		33.67	0.00478	1.47	7.64	7.1	0.45
J1	2885	T500	11.25	31.84	33.53		33.65	0.005169	1.53	7.34	6.68	0.47
J1	2880	T500	11.25	31.76	33.5		33.62	0.005206	1.53	7.34	6.78	0.47
J1	2875	T500	11.25	31.68	33.49		33.59	0.004264	1.44	7.8	6.76	0.43
J1	2870	T500	11.25	31.6	33.46		33.57	0.004795	1.5	7.52	6.78	0.45
J1	2865	T500	11.25	31.52	33.46		33.54	0.003314	1.28	8.77	7.68	0.38
J1	2860	T500	11.25	31.44	33.38		33.51	0.006425	1.64	6.84	6.61	0.52
J1	2855	T500	11.25	31.36	32.99	32.99	33.42	0.028105	2.91	3.86	4.48	1
J1	2850	T500	11.25	31.28	32.82	32.86	33.27	0.031721	3	3.75	4.72	1.07
J1	2845	T500	11.25	31.2	32.56	32.67	33.09	0.040713	3.23	3.48	4.98	1.23
J1	2840	T500	11.25	31.12	32.23	32.41	32.84	0.056545	3.47	3.24	5.64	1.46
J1	2835	T500	11.25	31.04	32.37	32.3	32.63	0.016658	2.26	5.09	7.9	0.83
J1	2830	T500	11.25	30.96	32.21	32.21	32.53	0.022429	2.53	4.58	7.86	0.96
J1	2825	T500	11.25	30.89	32.17	32.06	32.4	0.014374	2.12	5.46	8.74	0.78
J1	2820	T500	11.25	30.81	32.14		32.32	0.011397	1.87	6.09	9.47	0.7
J1	2815	T500	11.25	30.73	32.13		32.26	0.007393	1.57	7.27	11.58	0.57
J1	2810	T500	11.25	30.65	32.12		32.22	0.005691	1.4	8.11	11.82	0.5
J1	2805	T500	11.25	30.57	32.09		32.19	0.005756	1.41	8.09	13.17	0.5
J1	2800	T500	11.25	30.49	32.03		32.15	0.008055	1.56	7.2	10.55	0.58
J1	2795	T500	11.25	30.41	31.99		32.12	0.007078	1.55	7.27	9.11	0.55
J1	2790	T500	11.25	30.33	31.92		32.07	0.008919	1.72	6.52	8.14	0.61
J1	2785	T500	11.25	30.25	31.84		32.02	0.01088	1.87	6.01	7.63	0.67
J1	2780	T500	11.25	30.17	31.78		31.96	0.011208	1.92	5.85	7.23	0.68
J1	2775	T500	11.25	30.09	31.7		31.9	0.012347	2	5.61	6.95	0.71
J1	2770	T500	11.25	30.01	31.57		31.83	0.016329	2.24	5.01	6.41	0.81
J1	2765	T500	11.25	29.95	31.59		31.74	0.00703	1.7	6.63	6.74	0.55
J1	2760	T500	11.25	29.9	31.57		31.7	0.006132	1.61	7	6.99	0.51
J1	2755	T500	11.25	29.84	31.56		31.67	0.004791	1.46	7.69	7.41	0.46
J1	2750	T500	11.25	29.78	31.55		31.64	0.003771	1.32	8.55	8.2	0.41
J1	2745	T500	11.25	29.73	31.54		31.62	0.003569	1.27	8.84	8.65	0.4
J1	2740	T500	11.25	29.67	31.54		31.6	0.002659	1.13	9.97	9.41	0.35
J1	2735	T500	11.25	29.62	31.53		31.59	0.002012	1.01	11.14	10.08	0.31
J1	2730	T500	11.25	29.56	31.51		31.57	0.00291	1.13	10.05	10.93	0.36
J1	2725	T500	11.25	29.51	31.41		31.54	0.007623	1.61	6.98	8.17	0.56
J1	2720	T500	11.25	29.45	31.41		31.5	0.004695	1.34	8.37	9.05	0.45
J1	2715	T500	11.25	29.4	31.12	31.12	31.43	0.029502	2.47	4.55	7.45	1.01
J1	2710	T500	11.25	29.34	30.87	30.93	31.27	0.035175	2.79	4.04	6.5	1.13
J1	2705	T500	11.25	29.29	30.76	30.78	31.11	0.029549	2.62	4.29	6.61	1.04
J1	2700	T500	11.25	29.23	30.8	30.54	30.95	0.009814	1.73	6.49	8.61	0.64
J1	2695	T500	11.25	29.17	30.76		30.9	0.009831	1.7	6.63	9.41	0.64
J1	2690	T500	11.25	29.12	30.53	30.53	30.82	0.019443	2.51	5.06	9.2	0.89

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	2685	T500	11.25	29.06	30.47	30.33	30.59	0.008158	1.68	8.04	15.06	0.59
J1	2680	T500	11.25	29.01	30.47		30.54	0.005753	1.39	9.91	20.34	0.49
J1	2675	T500	11.25	28.95	30.48		30.51	0.002784	1.06	13.71	25.2	0.35
J1	2670	T500	11.25	28.9	30.45		30.5	0.003354	1.21	12.63	24.65	0.38
J1	2665	T500	11.25	28.84	30.45		30.49	0.001989	1.01	14.2	24.17	0.31
J1	2660	T500	11.25	28.79	30.38		30.47	0.004344	1.4	9.71	18.79	0.45
J1	2655	T500	11.25	28.73	30.31		30.44	0.006439	1.65	7.54	13.29	0.54
J1	2650	T500	11.25	28.68	30.25		30.4	0.007936	1.75	6.75	10.85	0.59
J1	2645	T500	11.25	28.62	30.18		30.36	0.010207	1.86	6.18	9.53	0.66
J1	2640	T500	11.25	28.57	30.16		30.3	0.007605	1.67	6.91	10.18	0.57
J1	2635	T500	11.25	28.51	30.13		30.26	0.007078	1.6	7.11	9.88	0.55
J1	2630	T500	11.25	28.45	30.09		30.22	0.007681	1.65	6.86	9.29	0.57
J1	2625	T500	11.25	28.4	30.06		30.18	0.006746	1.54	7.32	9.54	0.54
J1	2620	T500	11.25	28.34	30.08		30.14	0.002847	1.12	10.2	12.79	0.36
J1	2615	T500	11.25	28.29	30.01		30.12	0.006858	1.45	7.78	10.49	0.53
J1	2610	T500	11.25	28.23	29.94		30.08	0.008276	1.67	6.73	7.86	0.58
J1	2605	T500	11.25	28.18	29.88		30.03	0.008966	1.75	6.43	7.64	0.61
J1	2600	T500	11.25	28.12	29.79		29.98	0.011493	1.94	5.79	6.89	0.68
J1	2595	T500	11.25	28.07	29.53	29.53	29.88	0.025956	2.64	4.26	6.03	1
J1	2590	T500	11.25	28.01	29.31	29.37	29.73	0.032714	2.87	3.93	5.97	1.13
J1	2585	T500	11.25	27.9	29.26	28.98	29.44	0.00976	1.91	5.89	6.52	0.64
J1	2580	T500	11.25	27.78	29.13		29.38	0.013802	2.21	5.09	5.75	0.75
J1	2575	T500	11.25	27.67	29.01	28.92	29.3	0.018314	2.39	4.71	6.01	0.86
J1	2570	T500	11.25	27.55	29.04		29.2	0.009132	1.79	6.28	7.48	0.62
J1	2565	T500	11.25	27.43	28.76	28.76	29.11	0.025226	2.62	4.29	6.13	1
J1	2560	T500	11.25	27.32	28.21	28.41	28.86	0.095776	3.59	3.18	8.49	1.84
J1	2555	T500	11.25	27.2	28.39	28.31	28.61	0.016441	2.07	5.45	8.64	0.82
J1	2550	T500	11.25	27.08	28.22	28.22	28.51	0.024275	2.37	4.77	8.67	0.99
J1	2545	T500	11.25	26.97	27.83	27.97	28.31	0.058869	3.05	3.69	8.51	1.48
J1	2540	T500	11.25	26.85	27.99	27.84	28.13	0.012187	1.65	6.81	12.11	0.7
J1	2535	T500	11.25	26.73	27.96		28.07	0.00887	1.48	7.58	12.46	0.61
J1	2530	T500	11.25	26.61	27.89		28.02	0.009972	1.61	7	11.07	0.64
J1	2525	T500	11.25	26.5	27.84		27.97	0.009352	1.62	6.96	10.33	0.63
J1	2520	T500	11.25	26.38	27.8		27.92	0.007847	1.53	7.36	10.34	0.58
J1	2515	T500	11.25	26.26	27.8		27.88	0.004592	1.23	9.12	11.9	0.45
J1	2510	T500	11.25	26.15	27.74		27.85	0.007072	1.49	7.54	10.04	0.55
J1	2505	T500	11.25	26.03	27.41	27.41	27.77	0.025833	2.63	4.28	6.12	1
J1	2500	T500	11.25	25.95	26.65	26.92	27.5	0.087524	4.08	2.76	5.28	1.8
J1	2495	T500	11.25	25.89	26.44	26.62	27.02	0.071903	3.38	3.33	7.58	1.62
J1	2490	T500	11.25	25.82	26.71	26.49	26.83	0.008432	1.53	7.34	10.93	0.6
J1	2485	T500	11.25	25.76	26.69		26.79	0.006509	1.38	8.17	11.82	0.53
J1	2480	T500	11.25	25.7	26.68		26.76	0.005316	1.26	8.96	12.8	0.48
J1	2475	T500	11.25	25.63	26.65		26.73	0.004928	1.21	9.27	13.19	0.46
J1	2470	T500	11.25	25.57	26.64		26.7	0.004949	1.11	10.18	16.86	0.45
J1	2465	T500	11.25	25.51	26.61		26.67	0.005413	1.15	9.77	16.27	0.47
J1	2460	T500	11.25	25.44	26.58		26.65	0.005874	1.17	9.58	16.44	0.49
J1	2455	T500	11.25	25.38	26.54		26.61	0.006957	1.18	9.51	18.4	0.53
J1	2450	T500	11.25	25.32	26.5		26.58	0.007378	1.26	8.91	16.31	0.54
J1	2445	T500	11.25	25.25	26.42		26.53	0.009998	1.49	7.55	13.49	0.64
J1	2440	T500	11.25	25.19	26.38		26.48	0.008421	1.46	7.69	12.35	0.59
J1	2435	T500	11.25	25.13	26.32		26.44	0.009153	1.51	7.44	12.09	0.62

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	2430	T500	11.25	25.06	26.28		26.39	0.009077	1.51	7.45	12.03	0.61
J1	2425	T500	11.25	25	26.18		26.33	0.013475	1.77	6.37	10.92	0.74
J1	2420	T500	11.25	24.93	26.11		26.27	0.013496	1.77	6.36	10.91	0.74
J1	2415	T500	11.25	24.87	26.07		26.2	0.010878	1.6	7.02	11.94	0.67
J1	2410	T500	11.25	24.81	26.03		26.14	0.008398	1.46	7.81	18.9	0.59
J1	2405	T500	11.25	24.74	25.99		26.1	0.008523	1.49	7.55	12.26	0.6
J1	2400	T500	11.25	24.68	25.93		26.05	0.009468	1.56	7.2	11.46	0.63
J1	2395	T500	11.25	24.62	25.89		26.01	0.008373	1.51	7.46	11.62	0.6
J1	2390	T500	11.25	24.55	25.84		25.96	0.008995	1.56	7.22	11.06	0.62
J1	2385	T500	11.25	24.49	25.72	25.59	25.9	0.014196	1.86	6.23	17.79	0.76
J1	2380	T500	11.25	24.43	25.68	25.6	25.83	0.012009	1.74	7.47	26.01	0.7
J1	2375	T500	11.25	24.36	25.67		25.76	0.007771	1.45	10.07	38.51	0.57
J1	2370	T500	11.25	24.3	25.67		25.72	0.004669	1.17	13.27	46.28	0.45
J1	2365	T500	11.25	24.24	25.66		25.7	0.003349	1	16	53.67	0.38
J1	2360	T500	11.25	24.17	25.66		25.68	0.002311	0.85	18.85	57.72	0.32
J1	2355	T500	11.25	24.11	25.66		25.67	0.001182	0.63	24.89	65.22	0.23
J1	2350	T500	11.25	24.04	25.66		25.66	0.000637	0.47	31.89	72.62	0.17
J1	2345	T500	11.25	23.99	25.66		25.66	0.000322	0.37	42.32	89.91	0.12
J1	2340	T500	11.25	23.93	25.66		25.66	0.000098	0.23	70.47	122.65	0.07
J1	2335	T500	11.25	23.89	25.66		25.66	0.000037	0.14	99.88	133.64	0.04
J1	2330	T500	11.25	23.84	25.66		25.66	0.000018	0.1	126.72	138.21	0.03
J1	2325	T500	11.25	23.79	25.66		25.66	0.000012	0.08	146.62	142.75	0.02
J1	2320	T500	11.25	23.74	25.66		25.66	0.000009	0.07	162.12	146.36	0.02
J1	2315	T500	11.25	23.69	25.66		25.66	0.000007	0.07	171.05	150.06	0.02
J1	2310	T500	11.25	23.64	25.66		25.66	0.000006	0.06	180.7	153.04	0.02
J1	2305	T500	11.25	23.59	25.66		25.66	0.000006	0.06	189.04	155.15	0.02
J1	2300	T500	11.25	23.54	25.66		25.66	0.000005	0.06	198.35	157.77	0.02
J1	2295	T500	11.25	23.49	25.66		25.66	0.000004	0.06	206.82	159.07	0.02
J1	2290	T500	11.25	23.44	25.66		25.66	0.000004	0.06	211.82	155.81	0.01
J1	2285	T500	11.25	23.39	25.66		25.66	0.000003	0.06	216.68	154.05	0.01
J1	2280	T500	11.25	23.34	25.66		25.66	0.000003	0.06	221.83	152.11	0.01
J1	2275	T500	11.25	23.29	25.66		25.66	0.000003	0.06	229.61	149.4	0.01
J1	2270	T500	11.25	23.24	25.66		25.66	0.000003	0.06	228.52	145.93	0.01
J1	2265	T500	11.25	23.19	25.66		25.66	0.000003	0.06	223.96	142.2	0.01
J1	2260	T500	11.25	23.14	25.66		25.66	0.000003	0.06	218.71	137.55	0.01
J1	2255	T500	11.25	23.09	25.66		25.66	0.000003	0.06	218.53	134.91	0.01
J1	2250	T500	11.25	23.04	25.66		25.66	0.000003	0.06	220.83	133.25	0.01
J1	2245	T500	11.25	22.99	25.66		25.66	0.000002	0.06	228.25	130.42	0.01
J1	2240	T500	11.25	22.94	25.66		25.66	0.000002	0.05	234.97	126.4	0.01
J1	2235	T500	11.25	22.89	25.66		25.66	0.000002	0.05	242.25	124	0.01
J1	2230	T500	11.25	22.84	25.66		25.66	0.000002	0.05	247.18	121.44	0.01
J1	2225	T500	11.25	22.79	25.66		25.66	0.000001	0.05	252.81	120.3	0.01
J1	2220	T500	11.25	22.75	25.66		25.66	0.000001	0.05	254.69	118.43	0.01
J1	2215	T500	11.25	22.7	25.66		25.66	0.000001	0.05	250.15	116.6	0.01
J1	2210	T500	11.25	22.65	25.66		25.66	0.000002	0.05	244.44	114.78	0.01
J1	2205	T500	11.25	22.6	25.66		25.66	0.000002	0.05	239.01	112.34	0.01
J1	2200	T500	11.25	22.55	25.66		25.66	0.000002	0.06	232.04	109.53	0.01
J1	2195	T500	11.25	22.5	25.66		25.66	0.000002	0.06	224.63	110.11	0.01
J1	2190	T500	11.25	22.45	25.66		25.66	0.000002	0.06	217.5	106.24	0.01
J1	2185	T500	11.25	22.4	25.66		25.66	0.000002	0.07	207.56	103.12	0.01
J1	2180	T500	11.25	22.35	25.66		25.66	0.000003	0.07	199.06	100	0.01

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	2175	T500	11.25	22.3	25.66		25.66	0.000003	0.08	192.76	96.8	0.01
J1	2170	T500	11.25	22.25	25.66		25.66	0.000003	0.07	192.66	93.69	0.01
J1	2165	T500	11.25	22.2	25.66		25.66	0.000002	0.07	193.42	91.94	0.01
J1	2160	T500	11.25	22.15	25.66		25.66	0.000002	0.07	192.74	88.73	0.01
J1	2155	T500	11.25	22.1	25.66		25.66	0.000002	0.07	196.93	88.3	0.01
J1	2150	T500	11.25	22.05	25.66		25.66	0.000002	0.08	193.07	85.4	0.01
J1	2145	T500	11.25	22	25.66		25.66	0.000002	0.07	196.51	80.57	0.01
J1	2140	T500	11.25	21.88	25.66		25.66	0.000002	0.07	199.4	78.3	0.01
J1	2135	T500	11.25	21.76	25.66		25.66	0.000002	0.07	207.79	79.01	0.01
J1	2130	T500	11.25	21.63	25.66		25.66	0.000002	0.07	210.2	77.52	0.01
J1	2125	T500	11.25	21.5	25.66		25.66	0.000001	0.06	226.1	82.74	0.01
J1	2120	T500	11.25	21.38	25.66		25.66	0.000001	0.06	238.93	88.98	0.01
J1	2115	T500	11.25	21.25	25.66		25.66	0	0.03	477.3	161.19	0
J1	2110	T500	11.25	21.13	25.66		25.66	0	0.02	532.98	162.25	0
J1	2105	T500	11.25	21	25.66		25.66	0	0.02	628.24	172.42	0
J1	2100	T500	11.25	20.88	25.66		25.66	0	0.02	709.36	165.41	0
J1	2092.184	T500	11.25	20.76	25.66	19.97	25.66	0	0.04	328.94	170.2	0.01
J1	2080.103		Culvert									
J1	2058.28	T500	26.55	19.9	20.38	19.76	20.4	0.000785	0.28	48.49	63.68	0.16
J1	2050	T500	26.55	19.76	20.39		20.39	0.000295	0.24	73.79	87.11	0.11
J1	2045	T500	26.55	19.68	20.38		20.39	0.000432	0.3	61.86	79.65	0.13
J1	2040	T500	26.55	19.6	20.37		20.39	0.000981	0.46	48.95	76.19	0.2
J1	2035	T500	26.55	19.52	20.36		20.38	0.001583	0.63	40.7	69.19	0.26
J1	2030	T500	26.55	19.44	20.33		20.37	0.00321	0.92	30.85	60.11	0.37
J1	2025	T500	26.55	19.36	20.3		20.35	0.004168	1.03	28.21	70.47	0.42
J1	2020	T500	26.55	19.28	20.29		20.32	0.00336	0.97	32.97	88.3	0.38
J1	2015	T500	26.55	19.2	20.28		20.3	0.00304	0.97	37.8	90.85	0.36
J1	2010	T500	26.55	19.12	20.27		20.29	0.002342	0.88	40.82	90.34	0.32
J1	2005	T500	26.55	19.04	20.26		20.28	0.001945	0.75	43.62	91.69	0.28
J1	2000	T500	26.55	18.96	20.25		20.27	0.001673	0.71	45.63	91.5	0.26
J1	1995	T500	26.55	18.88	20.25		20.26	0.001374	0.67	48.81	93.44	0.24
J1	1990	T500	26.55	18.8	20.24		20.25	0.001029	0.6	53.6	95.04	0.21
J1	1985	T500	26.55	18.72	20.24		20.25	0.000647	0.5	61.94	97	0.17
J1	1981.515	T500	26.55	18.66	20.24		20.25	0.00036	0.41	75.35	117.43	0.13
J1	1972.61	T500	26.55	18.51	20.24	20	20.25	0.000138	0.29	107.56	118.94	0.08
J1	1964.432		Culvert									
J1	1955.948	T500	26.55	18.27	20	20	20	0.000103	0.26	116.01	113.96	0.07
J1	1944.575	T500	26.55	18.07	18.19	18.48	19.83	0.675451	2.99	4.76	29.56	3.7
J1	1940	T500	26.55	18	18.28	18.36	18.53	0.075181	1.96	11.94	59.99	1.46
J1	1935	T500	26.55	17.96	18.39	18.24	18.43	0.005649	0.7	31.8	90.34	0.43
J1	1930	T500	26.55	17.92	18.37		18.4	0.00473	0.7	34.09	95.01	0.4
J1	1925	T500	26.55	17.88	18.34		18.37	0.006138	0.88	32.24	101.1	0.47
J1	1920	T500	26.55	17.84	18.3		18.34	0.008063	1.03	30.01	103.61	0.54
J1	1915	T500	26.55	17.8	18.18	18.17	18.26	0.027782	1.61	20.6	102.36	0.96
J1	1910	T500	26.55	17.76	18.03	18.02	18.13	0.027612	1.17	18.99	89.98	0.88
J1	1905	T500	26.55	17.72	17.93		18.01	0.018041	0.82	21.31	85.26	0.69
J1	1900	T500	26.55	17.68	17.88		17.93	0.010531	0.64	28.82	112.95	0.53
J1	1895	T500	26.55	17.64	17.83		17.87	0.009824	0.6	30.21	120.74	0.51
J1	1890	T500	26.55	17.61	17.78		17.82	0.010623	0.64	29.92	124.87	0.53
J1	1885	T500	26.55	17.49	17.72		17.76	0.012134	0.81	28.6	122.62	0.59
J1	1880	T500	26.55	17.37	17.64		17.69	0.014604	0.93	27.01	124.85	0.66

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	1875	T500	26.55	17.24	17.56		17.61	0.016205	0.94	26.81	132.3	0.69
J1	1870	T500	26.55	17.21	17.49		17.53	0.014703	0.81	28.71	142.93	0.64
J1	1865	T500	26.55	17.24	17.42		17.46	0.013956	0.64	29.63	149.51	0.59
J1	1860	T500	26.55	17.27	17.31		17.37	0.023779	0.38	25.35	152.65	0.63
J1	1855	T500	26.55	17.3	17.26		17.3	0.008654		33.48	140.9	0
J1	1850	T500	26.55	17.27	17.25		17.26	0.003393		45.51	150.36	0
J1	1845	T500	26.55	17.24	17.24		17.25	0.001852	0	56.14	161.6	0.07
J1	1840	T500	26.55	17.17	17.24		17.24	0.000947	0.08	69.68	170.09	0.13
J1	1835	T500	26.55	17.13	17.23		17.24	0.000624	0.09	79.83	183.54	0.11
J1	1830	T500	26.55	17.08	17.23		17.24	0.000486	0.11	86.84	191.13	0.11
J1	1825	T500	26.55	17.04	17.23		17.23	0.000442	0.13	89.76	187.11	0.11
J1	1820	T500	26.55	17.01	17.23		17.23	0.000421	0.15	90.93	185.13	0.11
J1	1815	T500	26.55	16.96	17.22		17.23	0.00043	0.17	90.42	186	0.11
J1	1810	T500	26.55	16.92	17.22		17.23	0.000449	0.19	89.5	187.51	0.12
J1	1805	T500	26.55	16.88	17.22		17.22	0.000499	0.22	86.98	188.44	0.13
J1	1800	T500	26.55	16.89	17.22		17.22	0.000587	0.25	83.11	189.79	0.14
J1	1795	T500	26.55	16.85	17.21		17.22	0.000697	0.29	79.31	191.34	0.16
J1	1790	T500	26.55	16.81	17.21		17.21	0.000967	0.37	72.07	189.02	0.19
J1	1785	T500	26.55	16.77	17.2		17.21	0.001266	0.44	66.95	191.27	0.22
J1	1780	T500	26.55	16.73	17.19		17.2	0.001725	0.54	61.48	194.08	0.26
J1	1775	T500	26.55	16.7	17.18		17.19	0.002081	0.62	56.61	181.63	0.29
J1	1770	T500	26.55	16.66	17.17		17.18	0.002474	0.68	53.46	179	0.31
J1	1765	T500	26.55	16.62	17.15		17.17	0.002906	0.77	50.24	173.45	0.34
J1	1760	T500	26.55	16.58	17.13		17.15	0.00346	0.86	47	168.53	0.38
J1	1755	T500	26.55	16.54	17.11		17.13	0.004037	0.95	42.72	150.44	0.41
J1	1750	T500	26.55	16.5	17.08		17.11	0.004286	0.99	38.93	125.05	0.42
J1	1745	T500	26.55	16.46	17.05		17.08	0.005333	1.12	35.54	118.22	0.47
J1	1740	T500	26.55	16.42	17.01		17.05	0.007962	1.23	30.55	111.33	0.56
J1	1735	T500	26.55	16.38	16.96		17.01	0.009118	1.24	29.56	113.21	0.59
J1	1730	T500	26.55	16.34	16.92		16.96	0.008178	1.15	31.77	124.08	0.56
J1	1725	T500	26.55	16.3	16.88		16.91	0.007186	1.04	33.64	128.57	0.52
J1	1720	T500	26.55	16.26	16.85		16.88	0.006529	0.99	34.65	128.34	0.49
J1	1715	T500	26.55	16.22	16.81		16.84	0.007065	1.05	33.49	125.41	0.52
J1	1710	T500	26.55	16.18	16.77		16.81	0.007657	1.11	32.76	127.93	0.54
J1	1705	T500	26.55	16.15	16.72		16.76	0.009463	1.24	30.86	129.64	0.6
J1	1700	T500	26.55	16.11	16.67		16.71	0.011365	1.36	29.47	131.81	0.66
J1	1695	T500	26.55	16.07	16.6		16.65	0.013154	1.46	28.38	133.46	0.71
J1	1690	T500	26.55	16.03	16.54		16.59	0.011272	1.36	29.84	133.81	0.66
J1	1685	T500	26.55	15.98	16.51		16.54	0.006645	1.07	35.06	132.82	0.51
J1	1680	T500	26.55	15.93	16.49		16.51	0.003902	0.85	41.05	130.18	0.39
J1	1675	T500	26.55	15.88	16.48		16.5	0.002504	0.7	46.99	130.17	0.32
J1	1670	T500	26.55	15.83	16.47		16.49	0.002129	0.66	49.52	131.65	0.29
J1	1665	T500	26.55	15.78	16.46		16.48	0.002216	0.7	49.17	133.56	0.3
J1	1660	T500	26.55	15.73	16.45		16.46	0.002705	0.79	46.47	135.19	0.33
J1	1655	T500	26.55	15.68	16.43		16.45	0.002994	0.85	45.28	137.51	0.35
J1	1650	T500	26.55	15.62	16.42		16.43	0.002911	0.85	46.03	141.07	0.35
J1	1645	T500	26.55	15.57	16.4		16.42	0.002915	0.86	46.18	143.21	0.35
J1	1640	T500	26.55	15.52	16.38		16.4	0.003401	0.9	44.53	147.03	0.37
J1	1635	T500	26.55	15.47	16.36		16.38	0.004818	1.06	40.37	150.54	0.44
J1	1630	T500	26.55	15.42	16.33		16.35	0.005946	1.15	38.28	155.28	0.49
J1	1625	T500	26.55	15.37	16.29		16.32	0.006851	1.21	37.05	160.77	0.52

HEC-RAS Plan: Plan 01 River: J Reach: J1 Profile: T500

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
J1	1620	T500	26.55	15.32	16.25		16.29	0.007543	1.3	36.15	166.35	0.55
J1	1615	T500	26.55	15.26	16.2	16.16	16.24	0.009403	1.42	33.96	173.9	0.61
J1	1610	T500	26.55	15.21	16.06	16.06	16.16	0.023689	1.79	20.6	131.96	0.91
J1	1605	T500	26.55	15.16	15.73	15.58	15.79	0.007896	0.83	26.66	74.38	0.49
J1	1600	T500	26.55	15.11	15.75		15.76	0.000737	0.27	66.87	125.64	0.15
J1	1595	T500	26.55	15.06	15.76		15.76	0.000178	0.14	113.86	164.21	0.08
J1	1590	T500	26.55	15.01	15.75		15.76	0.000124	0.13	133.55	186.16	0.07
J1	1585	T500	26.55	14.96	15.75		15.76	0.000081	0.12	156.88	201.56	0.05
J1	1580	T500	26.55	14.91	15.75		15.76	0.000059	0.11	173.13	204.89	0.05
J1	1575	T500	26.55	14.85	15.75		15.76	0.000051	0.12	183.7	212.24	0.05
J1	1570	T500	26.55	14.8	15.75		15.76	0.000042	0.13	197.81	224.03	0.04
J1	1565	T500	26.55	14.75	15.75		15.75	0.000035	0.12	209.76	228	0.04
J1	1560	T500	26.55	14.7	15.75		15.75	0.00003	0.11	220.95	230.36	0.04
J1	1555	T500	26.55	14.65	15.75		15.75	0.000026	0.11	233.09	232.63	0.04
J1	1550	T500	26.55	14.6	15.75		15.75	0.000022	0.1	244.39	233.74	0.03
J1	1545	T500	26.55	14.55	15.75		15.75	0.000019	0.1	256.32	236.47	0.03
J1	1540	T500	26.55	14.49	15.75		15.75	0.000016	0.1	270.04	242.82	0.03
J1	1535	T500	26.55	14.44	15.75		15.75	0.000014	0.09	284.16	250.12	0.03
J1	1530	T500	26.55	14.39	15.75		15.75	0.000012	0.09	303.91	279.09	0.03
J1	1525	T500	26.55	14.34	15.75		15.75	0.00001	0.08	334.27	320.88	0.02
J1	1520	T500	26.55	14.29	15.75		15.75	0.000008	0.08	363.64	332.08	0.02
J1	1515	T500	26.55	14.24	15.75		15.75	0.000008	0.08	382.15	334.07	0.02
J1	1510	T500	26.55	14.19	15.75		15.75	0.000007	0.08	394.56	338.16	0.02
J1	1505	T500	26.55	14.13	15.75		15.75	0.000007	0.08	402.94	341.14	0.02
J1	1500	T500	26.55	14.08	15.75		15.75	0.000006	0.08	412.76	344.83	0.02
J1	1495	T500	26.55	14.03	15.75		15.75	0.000006	0.08	416.87	336.66	0.02
J1	1490	T500	26.55	13.99	15.75		15.75	0.000007	0.08	390.89	316.42	0.02
J1	1485	T500	26.55	13.96	15.75		15.75	0.000008	0.09	369.61	302.34	0.02
J1	1480	T500	26.55	13.93	15.75		15.75	0.000009	0.1	342.11	284.6	0.02
J1	1475	T500	26.55	13.91	15.75		15.75	0.000011	0.11	320.78	269.58	0.03
J1	1470	T500	26.55	13.88	15.75		15.75	0.000012	0.11	300.51	249.07	0.03
J1	1465	T500	26.55	13.85	15.75		15.75	0.000011	0.11	303.76	244.95	0.03
J1	1460	T500	26.55	13.82	15.75		15.75	0.000013	0.12	277.47	216.97	0.03
J1	1455	T500	26.55	13.79	15.75		15.75	0.000012	0.11	277.41	210.9	0.03
J1	1450	T500	26.55	13.77	15.75		15.75	0.000012	0.11	280.81	208.26	0.03
J1	1445	T500	26.55	13.74	15.75		15.75	0.000011	0.11	281.5	203.38	0.03
J1	1440	T500	26.55	13.71	15.75		15.75	0.00001	0.11	291.56	207.18	0.03
J1	1435	T500	26.55	13.68	15.75		15.75	0.000011	0.11	279.28	192.95	0.03
J1	1430	T500	26.55	13.65	15.75		15.75	0.000011	0.12	268.29	175.75	0.03
J1	1425	T500	26.55	13.46	15.75		15.75	0.000008	0.11	288.73	174.09	0.02
J1	1417.327	T500	34.78	13.5	15.75	14.67	15.75	0.000012	0.13	319.14	188.56	0.03
J1	1408.502		Culvert									
J1	1208.773	T500	34.78	12.41	15.74	15.74	15.75	0.0002	0.48	86.1	55.4	0.1
J1	1205	T500	34.78	12.39	15.01	14.46	15.04	0.000903	0.94	51.25	52.19	0.22
J1	1200	T500	34.78	12.37	15.01		15.03	0.000674	0.84	55.24	50.42	0.19
J1	1195	T500	34.78	12.34	15.01		15.03	0.000509	0.74	59.43	50.1	0.17
J1	1190	T500	34.78	12.31	15		15.03	0.000712	0.83	53.75	50	0.2
J1	1183.157	T500	34.78	12.27	14.98	13.97	15.02	0.000922	1.07	48.18	50.73	0.22
J1	1177.284		Culvert									
J1	1155.524	T500	40.46	12.12	14	14	14.94	0.016069	4.3	9.42	301.28	1