

FIUMICINO  
WATERFRONT

SOGGETTO ESECUTORE E FINANZIATORE



CITTÀ DI  
FIUMICINO

SOGGETTO ATTUATORE



**RINA CONSULTING S.P.A.**

Via Antonio Cecchi 6, 16129 Genova  
tel +39 010 31961  
www.rina.org  
Registro imprese di Genova: 03476550102  
Partita IVA: 03476550102



**Atelier(s) Alfonso Femia s.r.l.**

Via Interiano 3/11, 16124 Genoa  
tel. +39 010.540095 fax 010.5702094  
Via Cadolini 32/38, 20137 Milan  
tel. +39 02.54019701 fax 010.54115512  
55 rue des petites écuries, 75010 Paris  
tel +331.42462894  
genova@atelierfemia.com - www.atelierfemia.com  
Registro imprese di Genova: 01601780990  
Partita IVA: 01601780990



RESPONSABILE COORDINAMENTO  
DELLE DISCIPLINE SPECIALISTICHE

**Ing. ALESSANDRO ODASSO**  
Direttore Tecnico - Rina Consulting S.p.A.

GRUPPO DI PROGETTAZIONE

Arch. Alfonso FEMIA - Architettura e Landscape  
Ing. Marco COMPAGNINO - Studio di impatto ambientale  
Dott. Sandro LORENZATTI - Archeologia  
Ing. Michele DI LAZZARO - Studio Idraulico e idrologico  
Arch. Riccardo COCCIA - Prevenzione incendi  
Ing. Alessandro VITA - Studio Geotecnico  
Dott. Geol. Roberto SALUCCI - Geologia  
Ing. Federico BARABINO - Sicurezza  
Dott. Geol. Paolo RAVASCHIO - Rilievi e indagini  
Ing. Ginevra ROSSETTI - Studio trasportistico  
Ing. Bruno RAMPINELLI ROTA - Compatibilità vincoli aeronautici

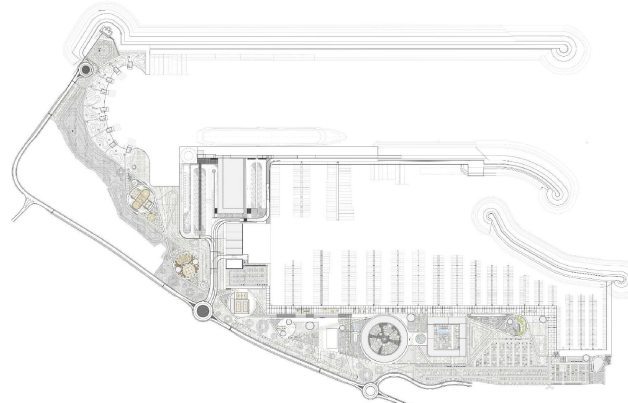


COORDINAMENTO DELLA PROGETTAZIONE

Ing. Maurizio BAZZARINI - Project Management Consultancy  
Arch. Paola DEL BIANCO - Project Manager Deputy  
Ing. Alessandro PIAZZA - Coordinamento Opere Civili  
Ing. Damiano SCARCELLA - Coordinamento Opere Marittime  
Arch. Sara GOTTARDO - Coordinamento Architettura e Landscape

**PORTO TURISTICO-CROCIERISTICO DI FIUMICINO ISOLA SACRA**  
CUP:F1122000320007

**PROGETTO DI FATTIBILITÀ TECNICO ECONOMICA**



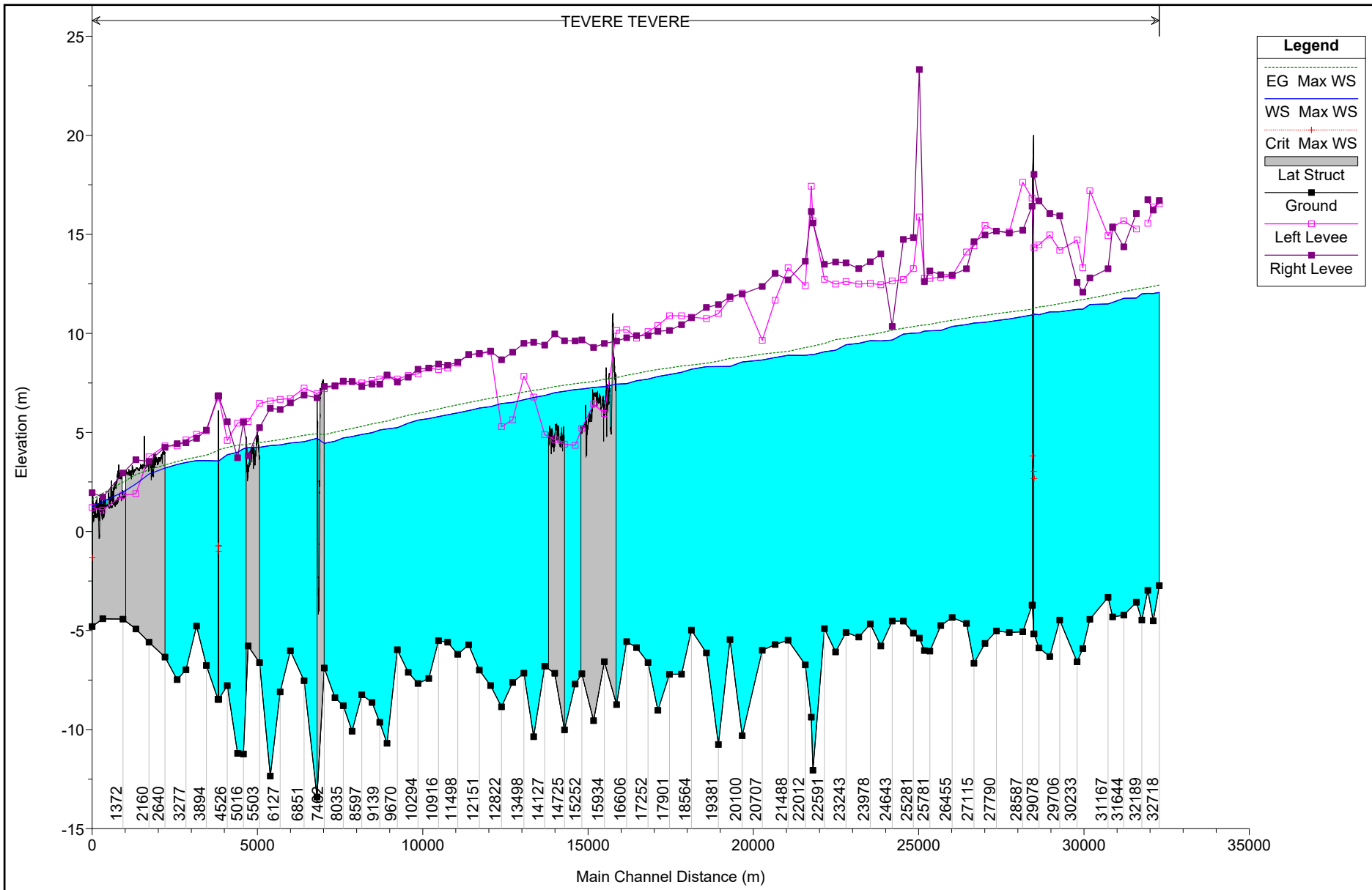
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GEOLOGIA E IDROLOGIA-GEOTECNICA-SISMICA  
FIUME TEVERE - QUADERNO DELLE SEZIONI E PROFILI DI CALCOLO**

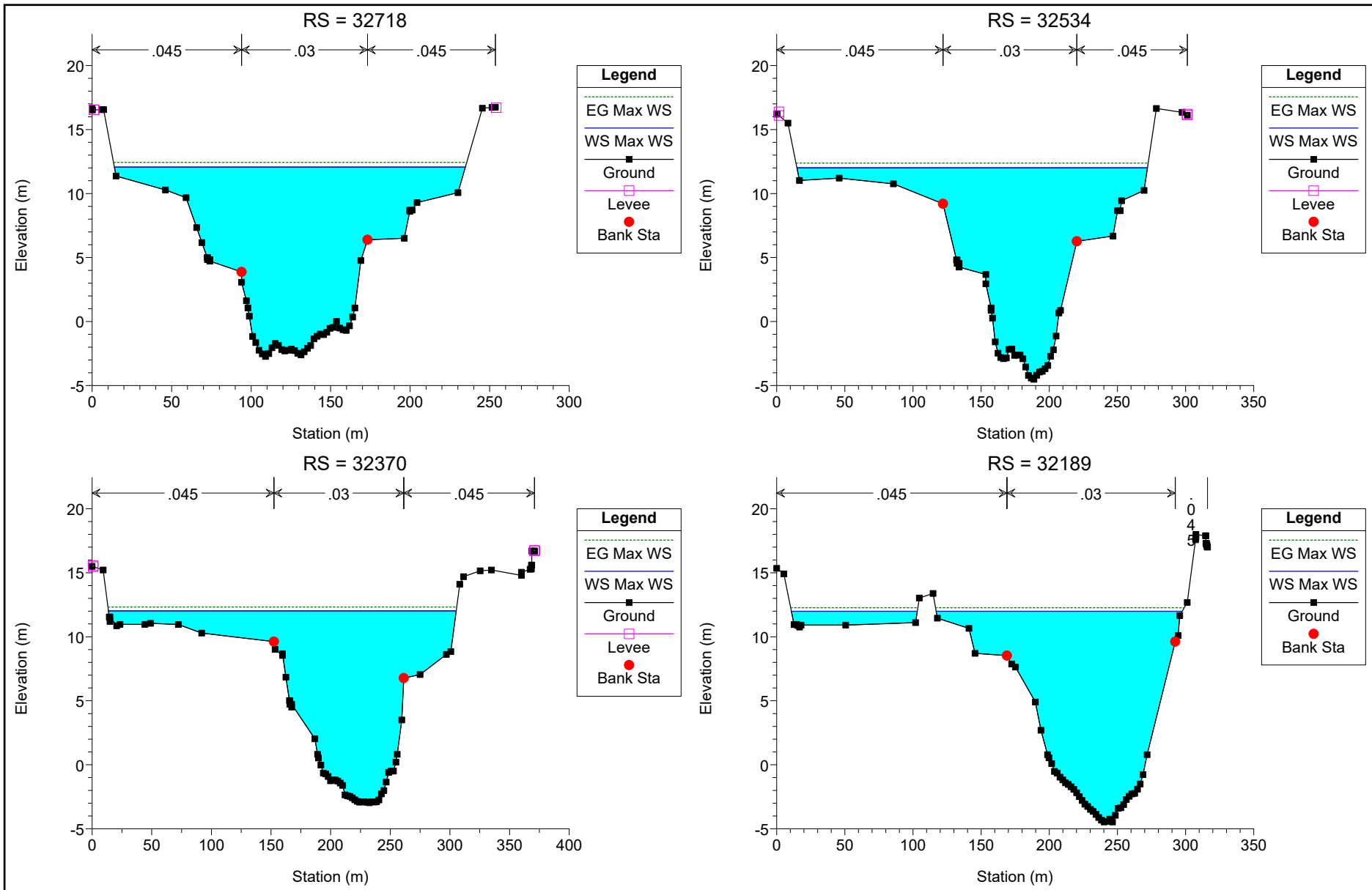
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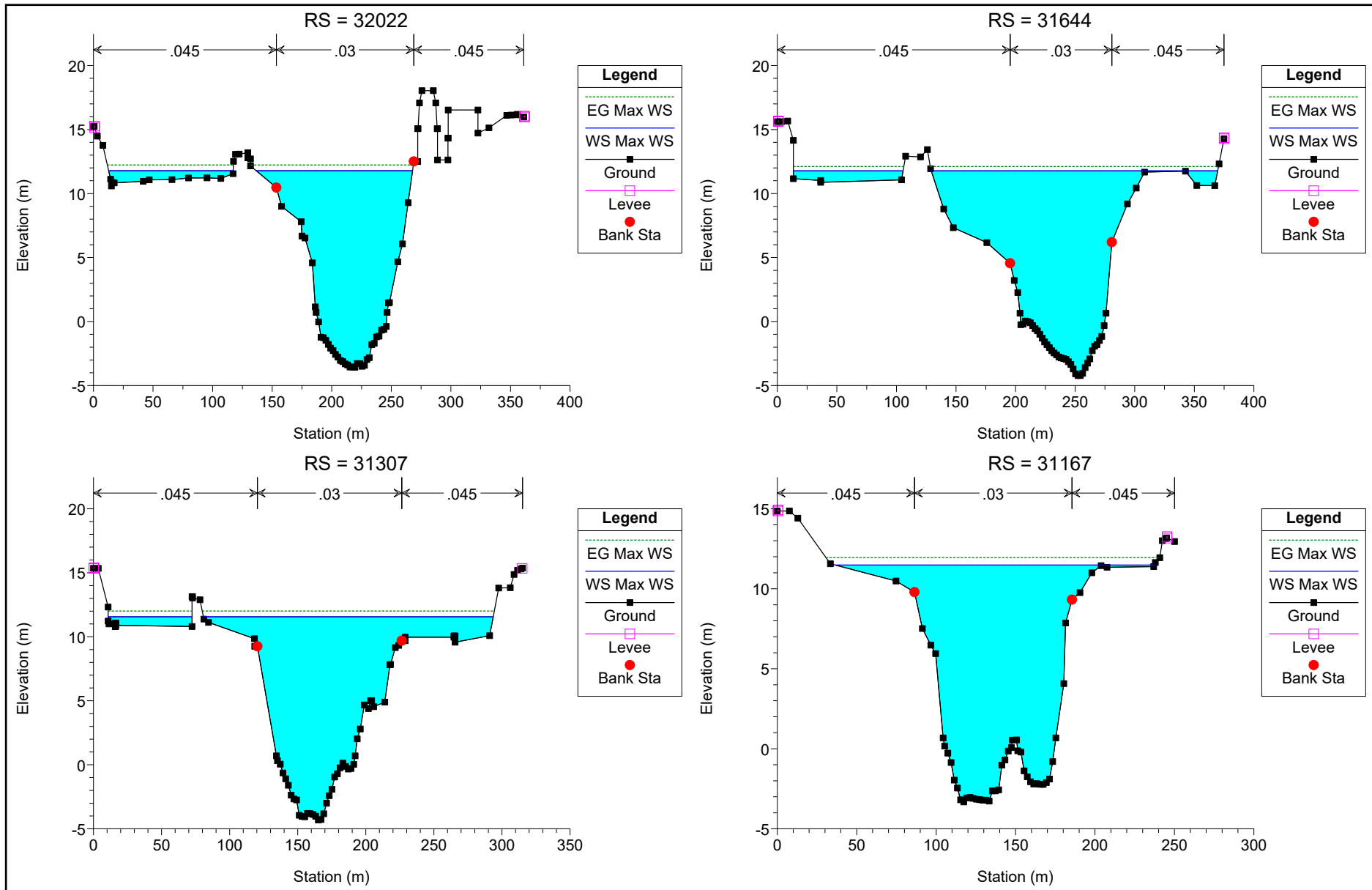
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00	Emissione per approvazione	M. Di Lazzaro	A. Piazza	A. Odasso	31/07/2023
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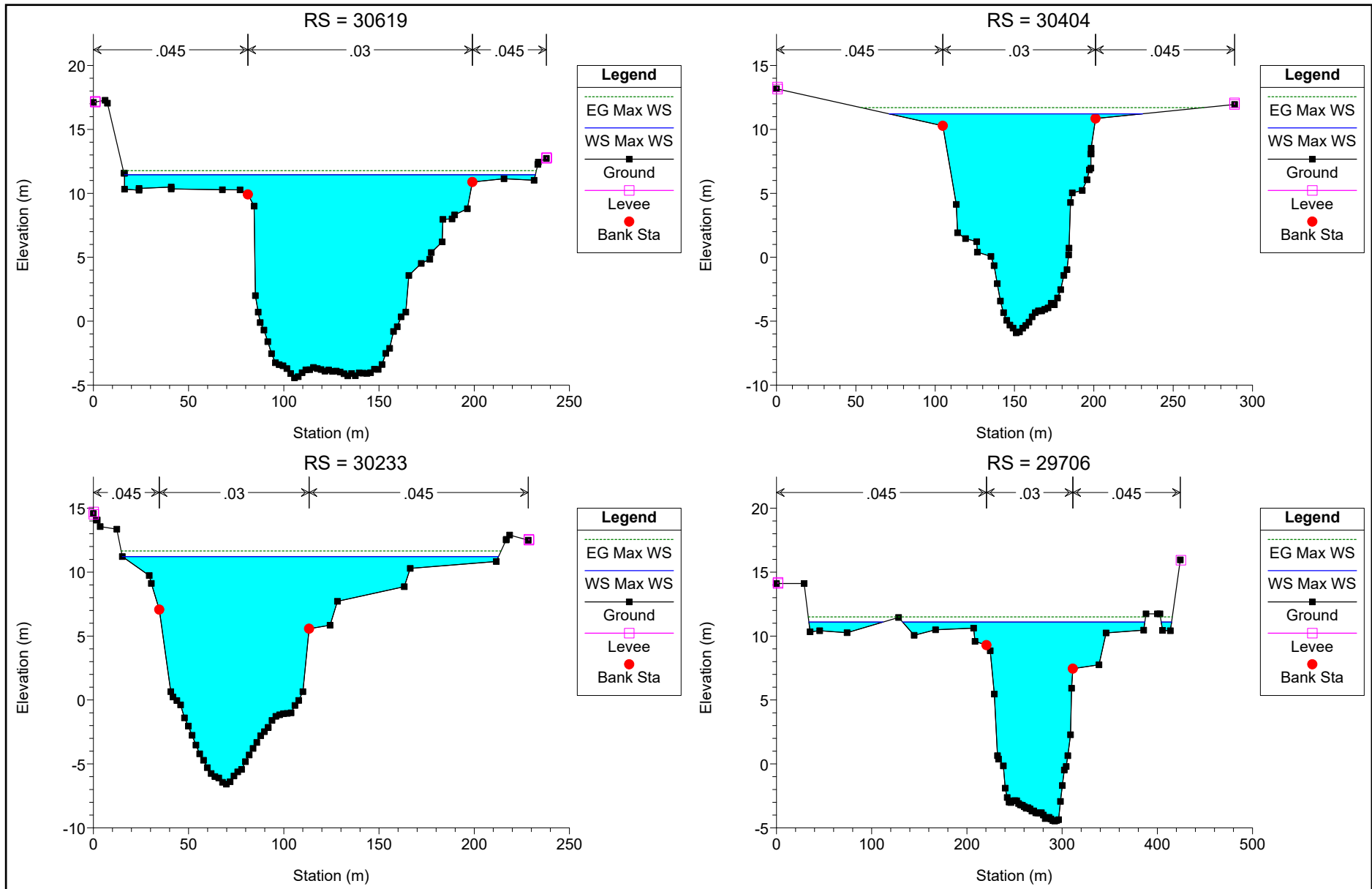
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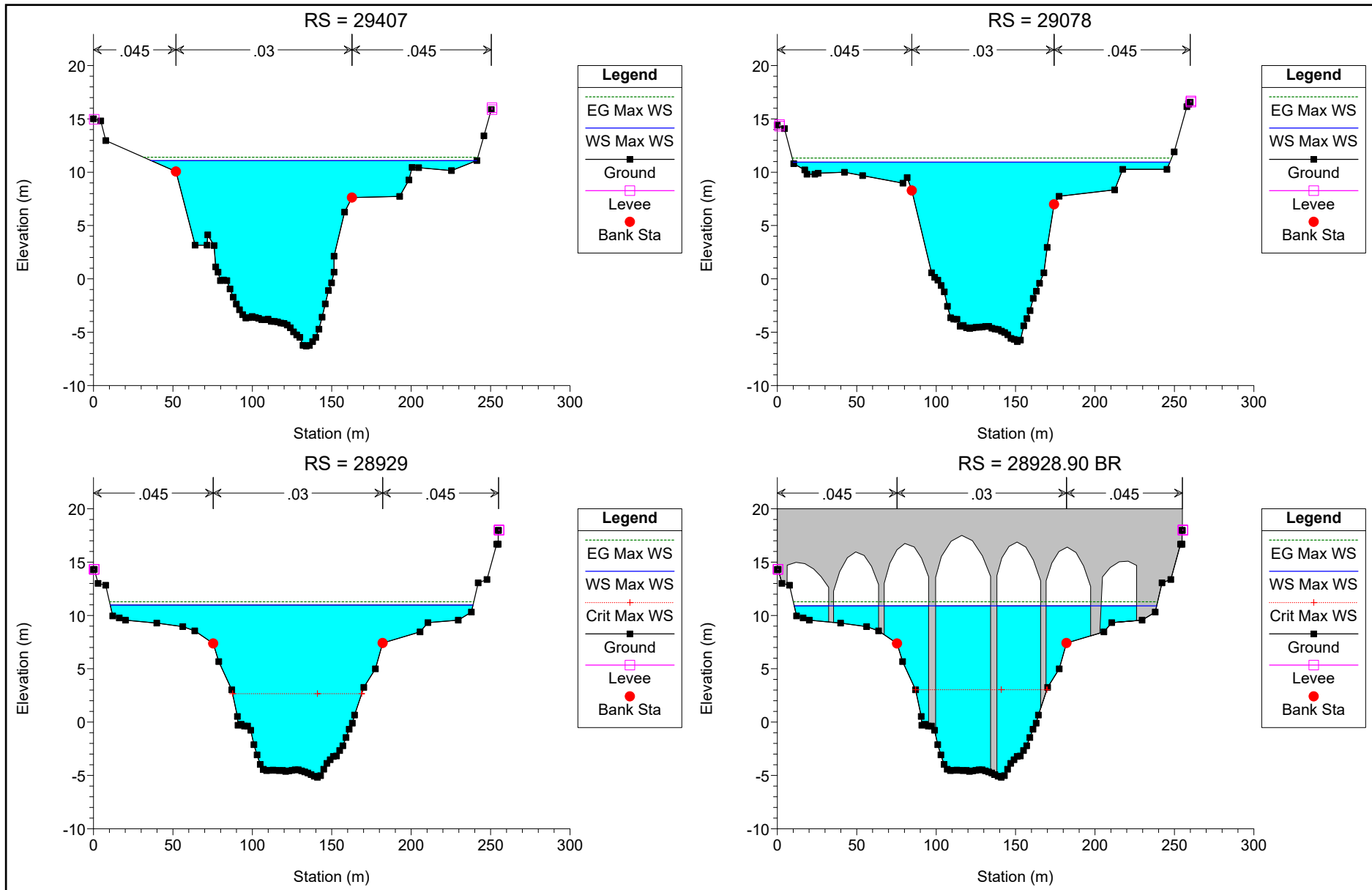
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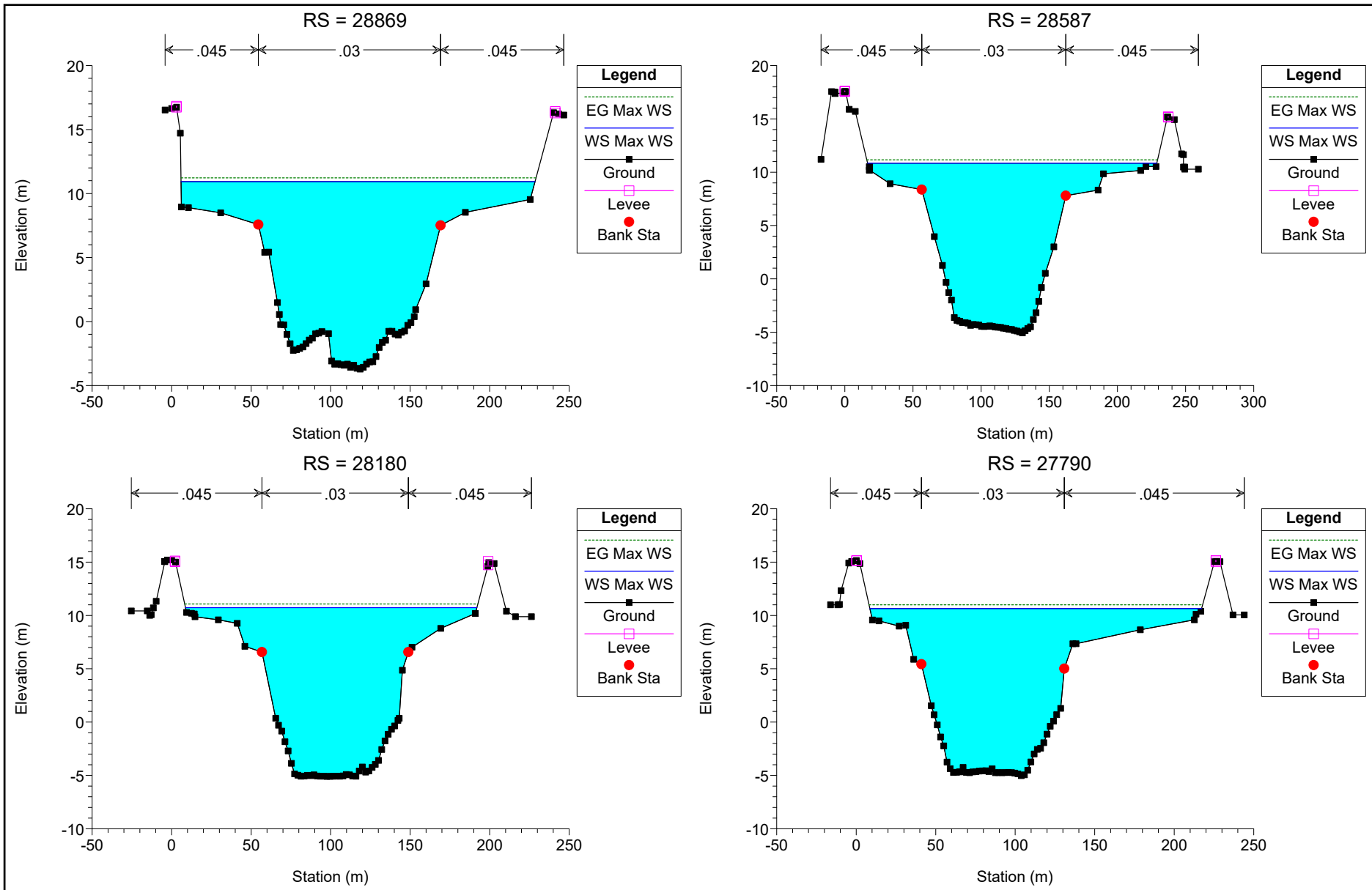




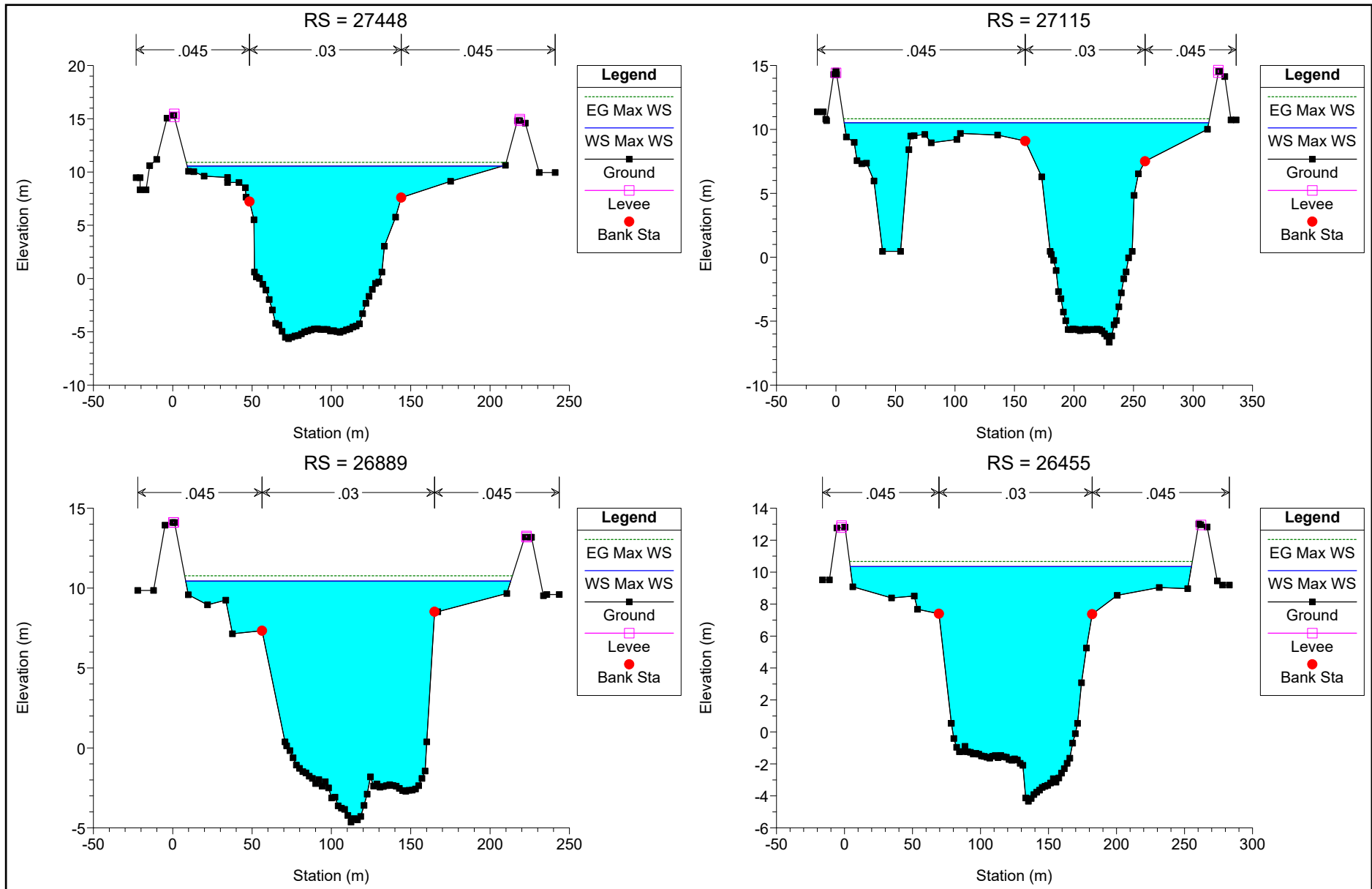


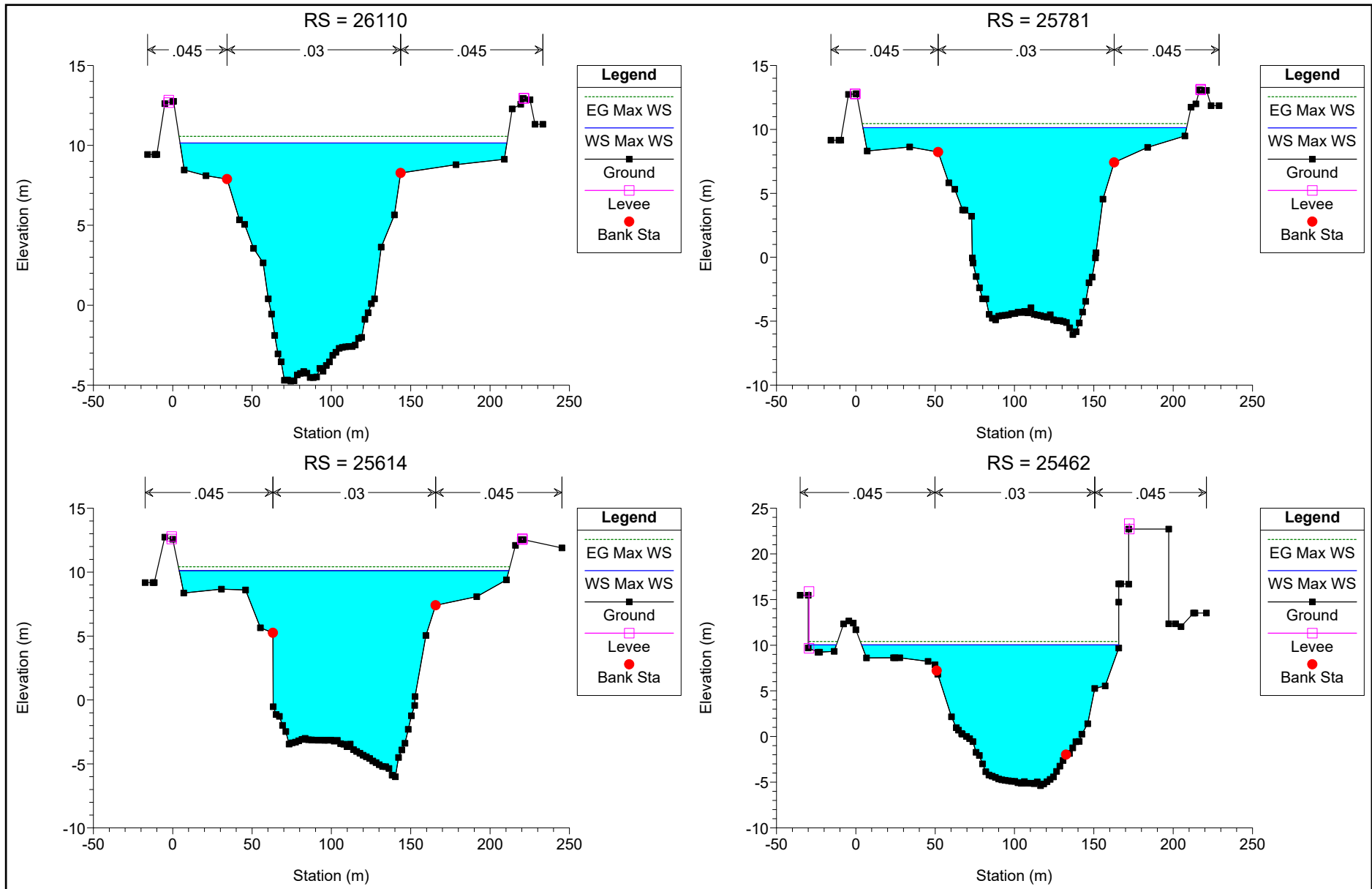


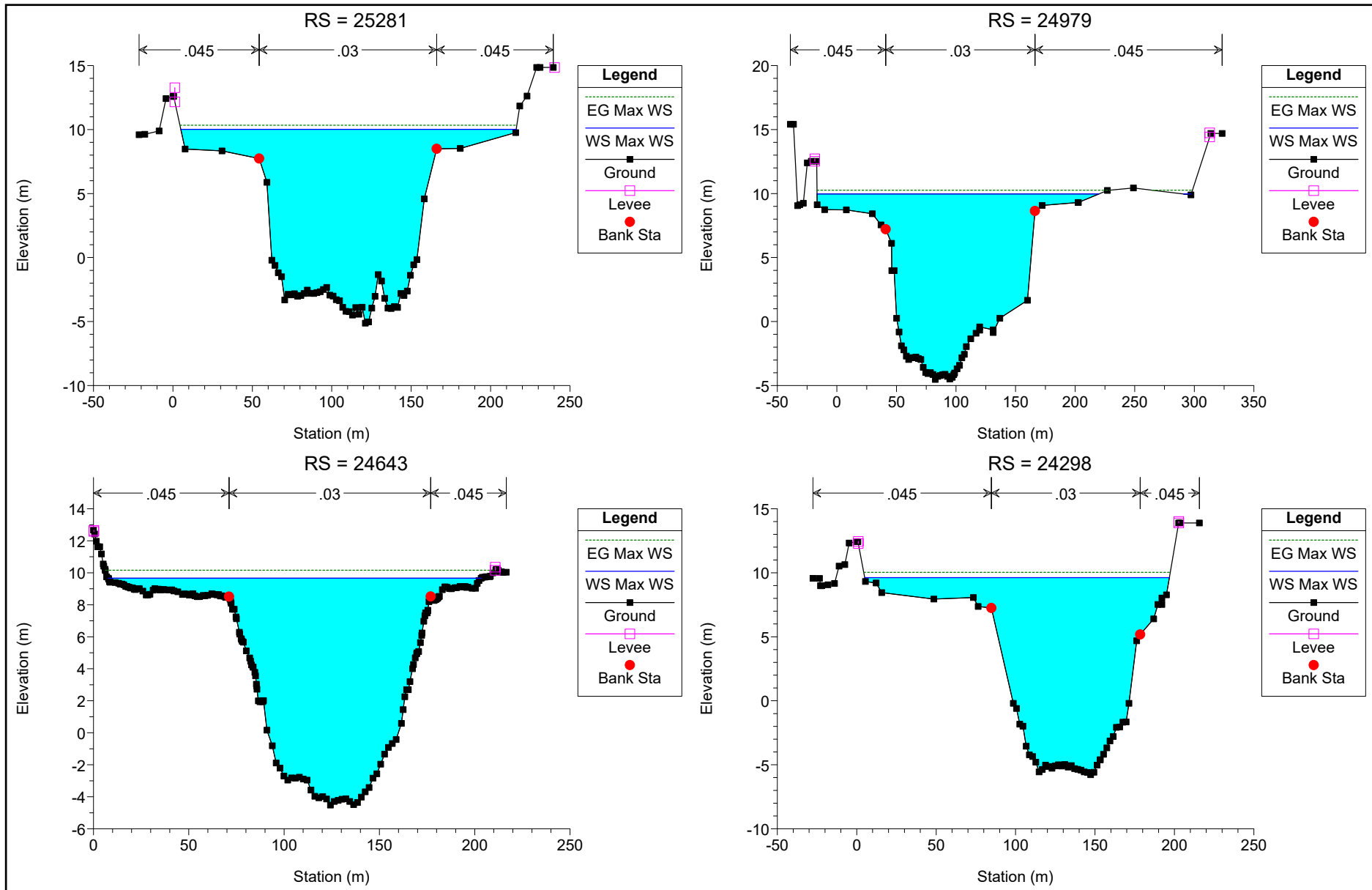


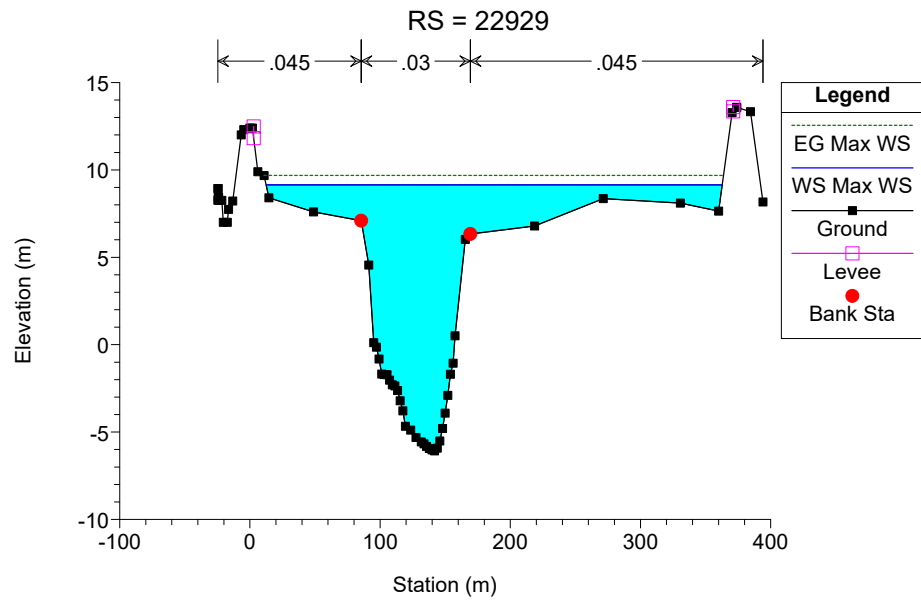
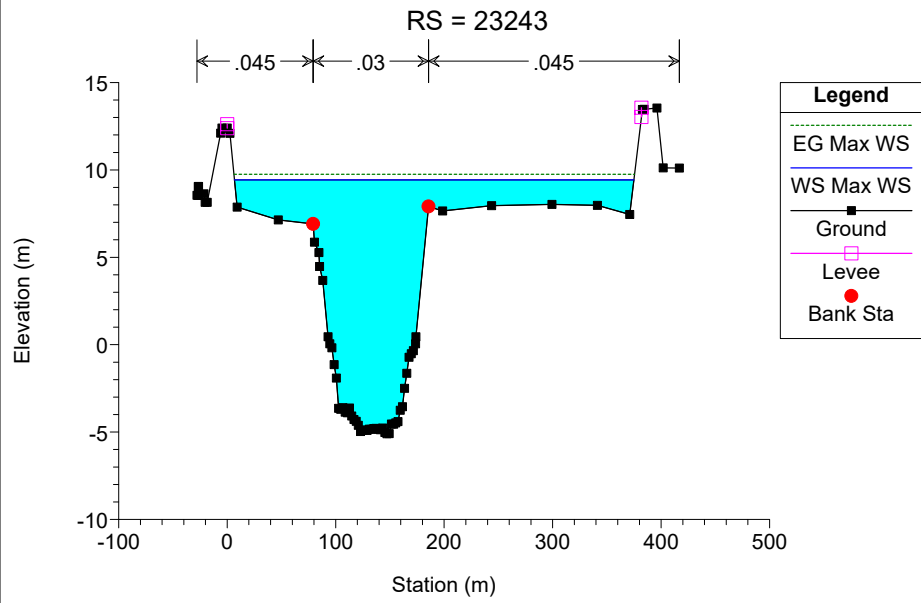
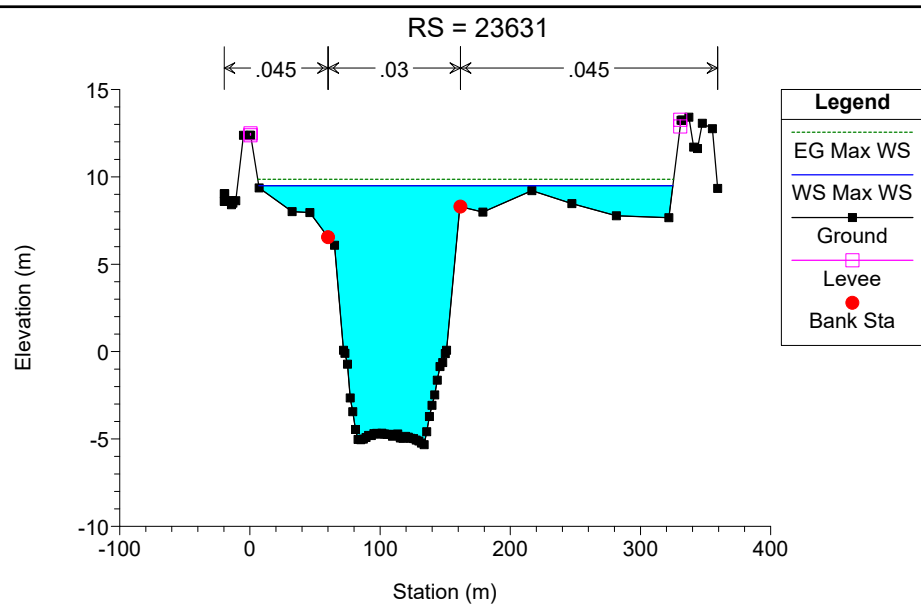
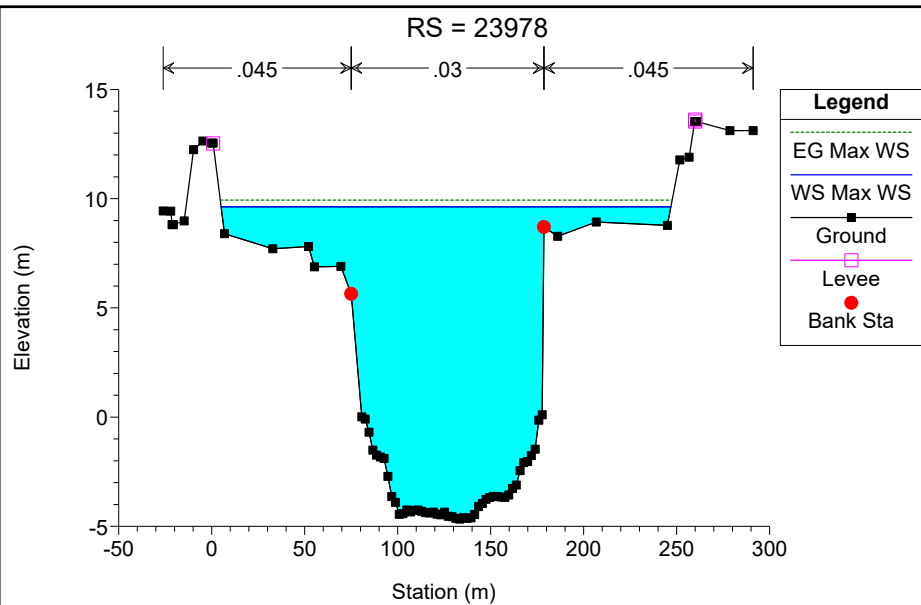


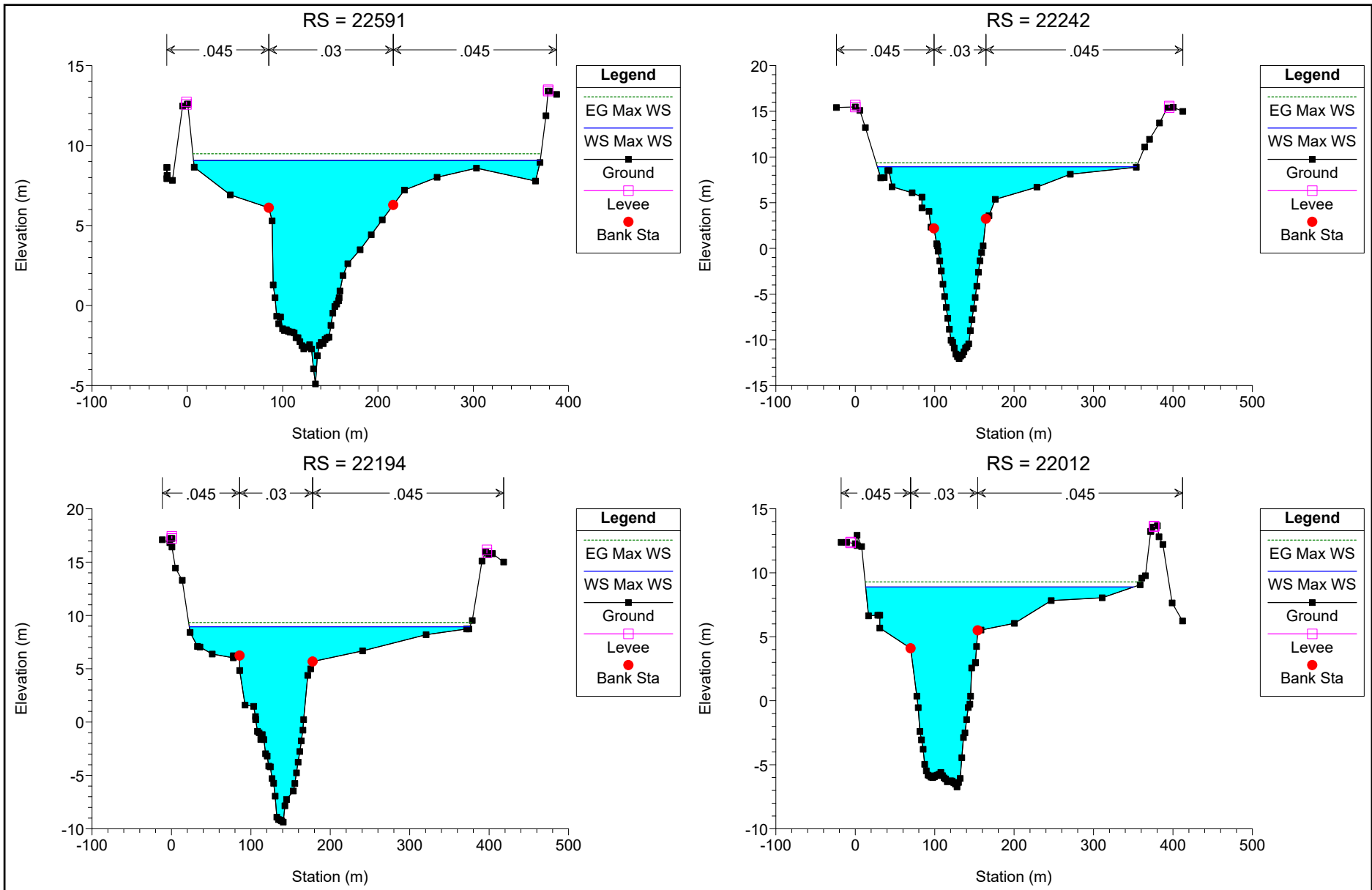


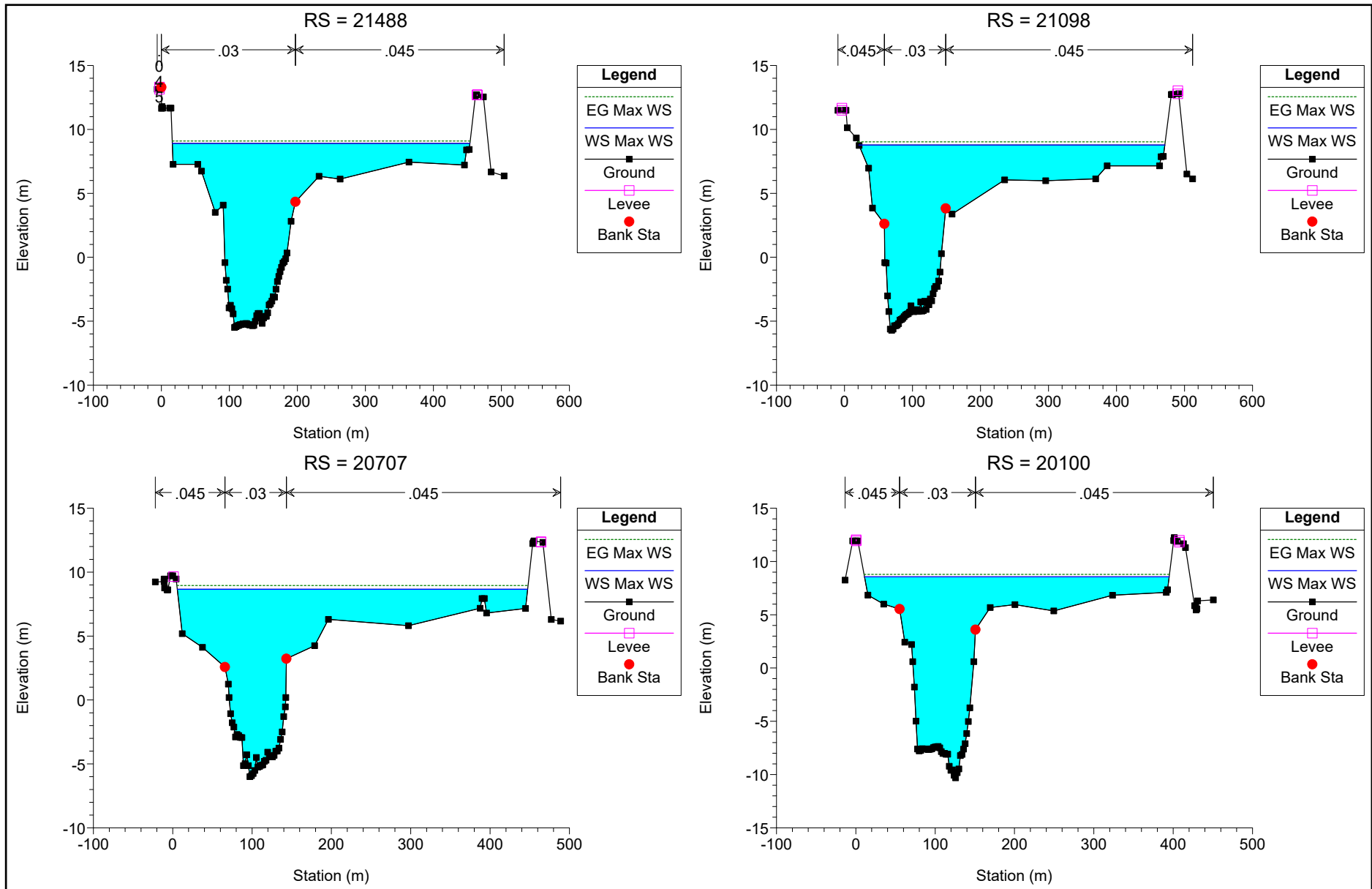


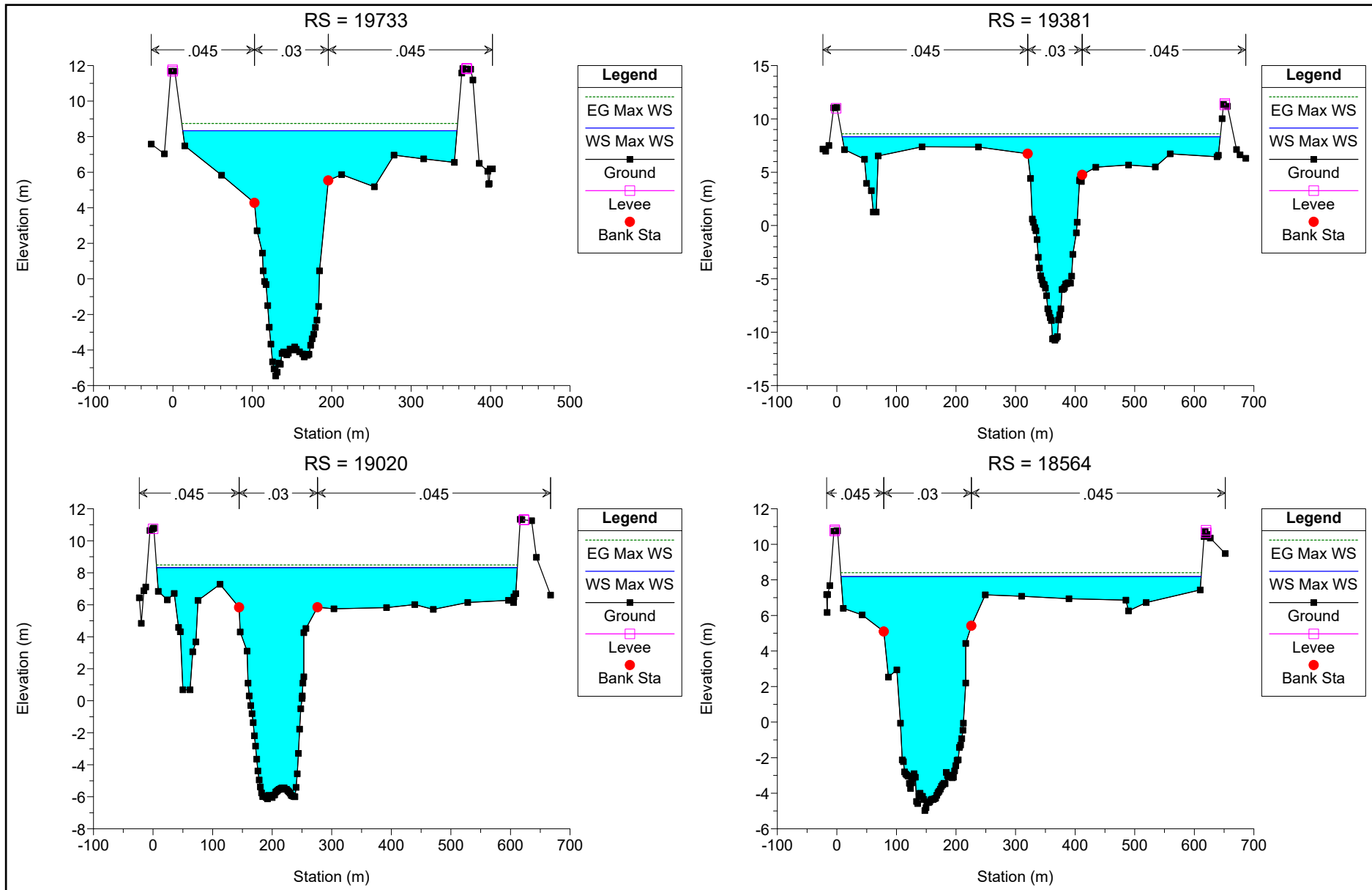


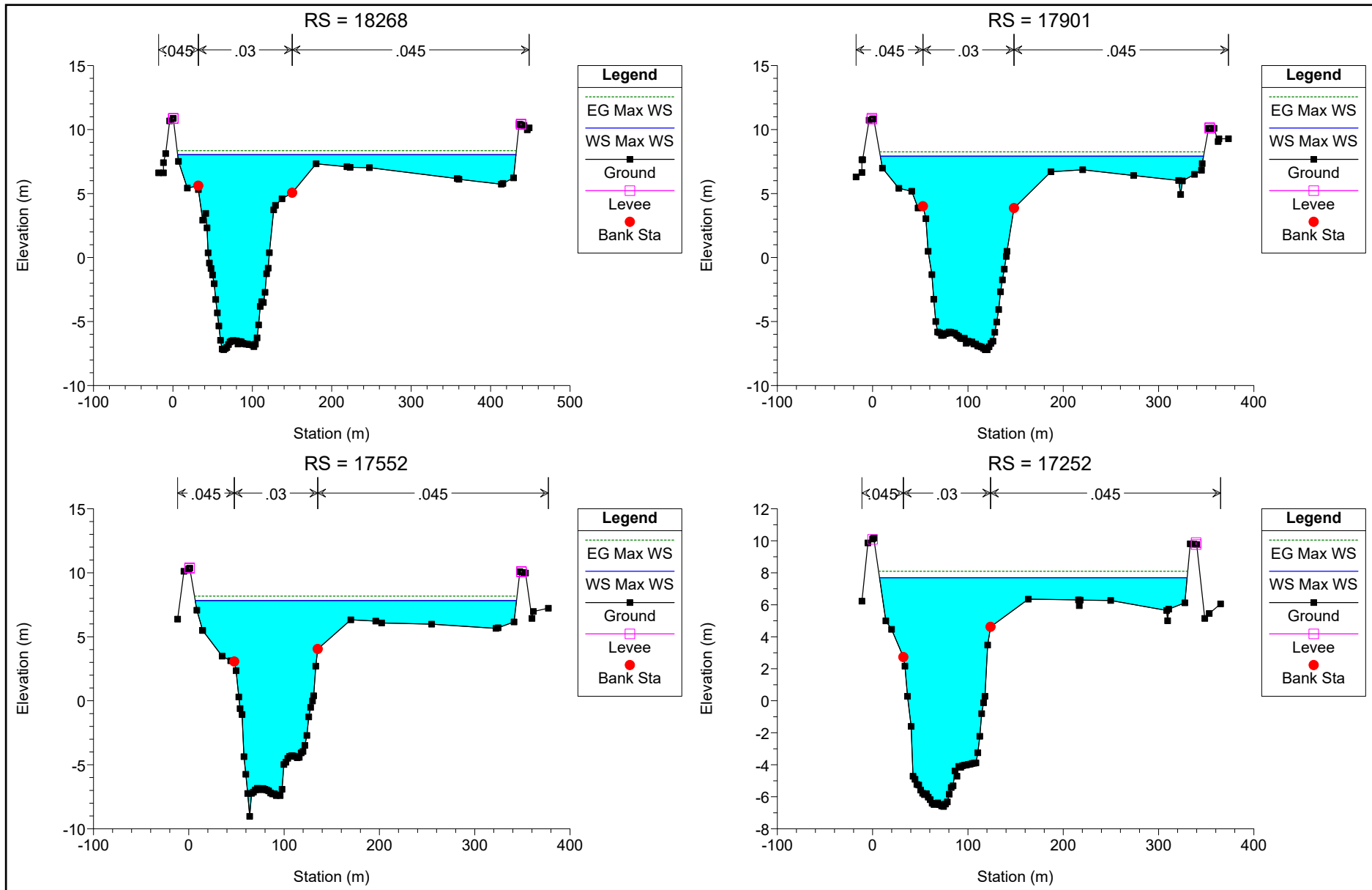




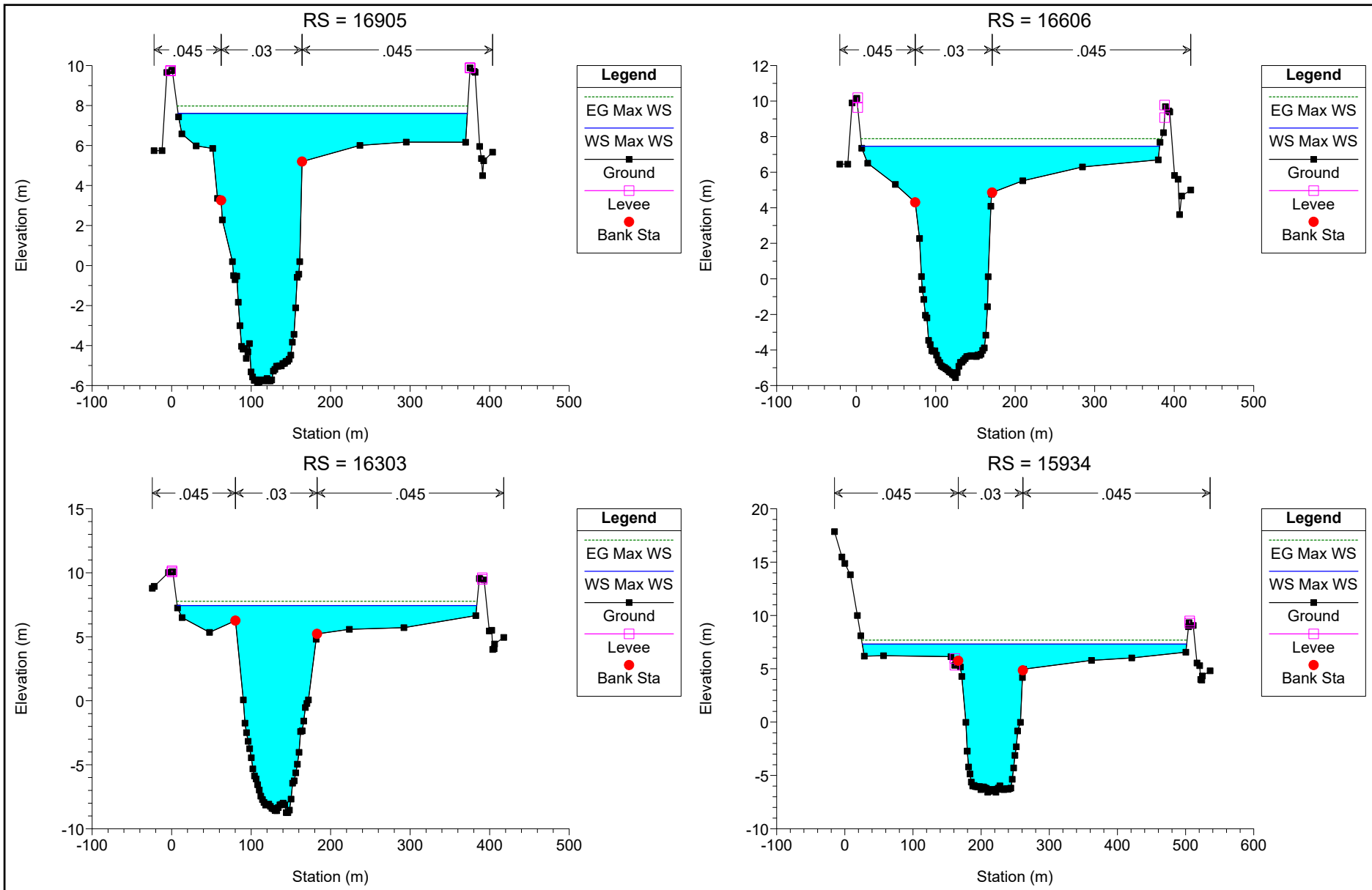


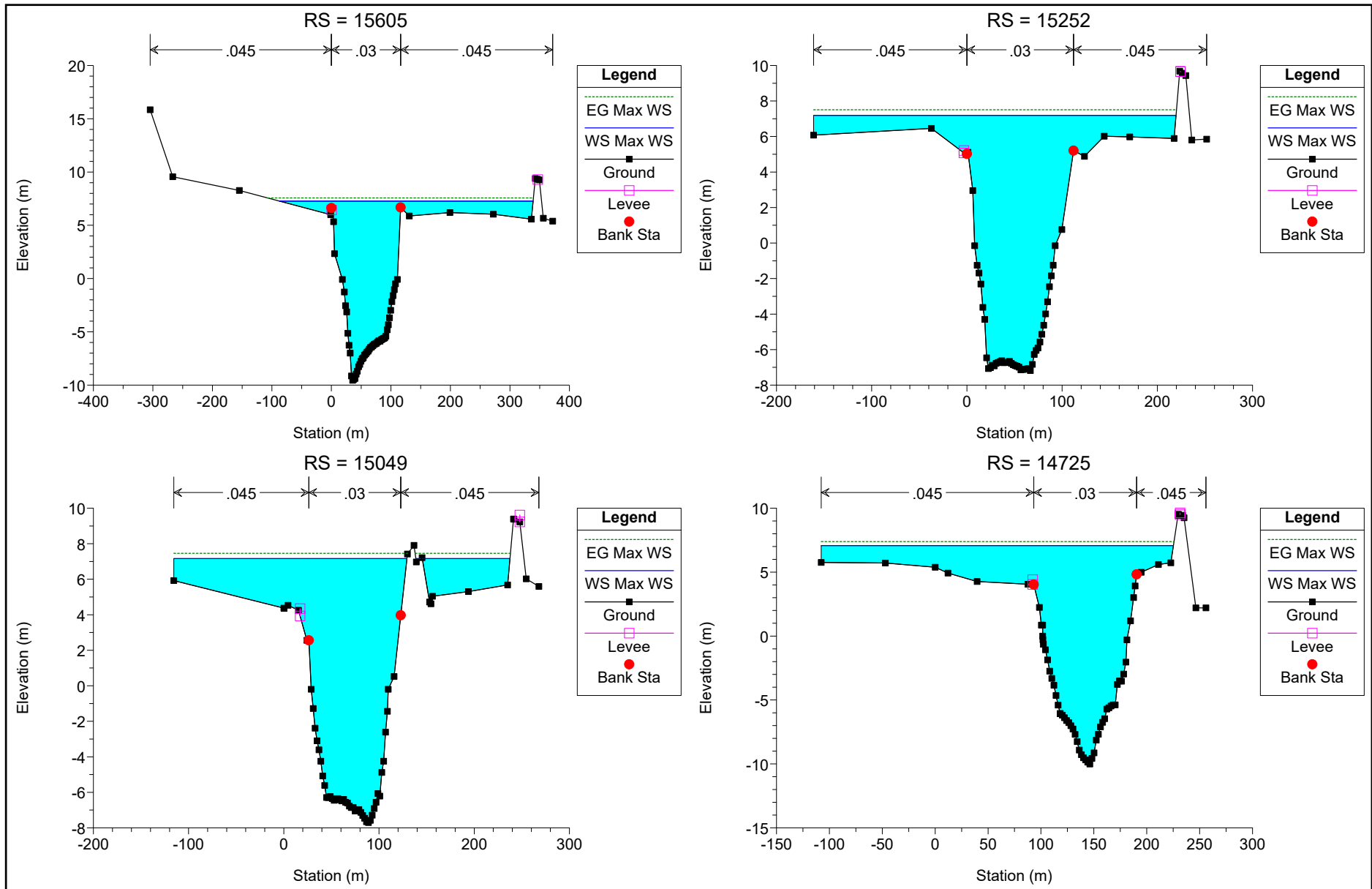


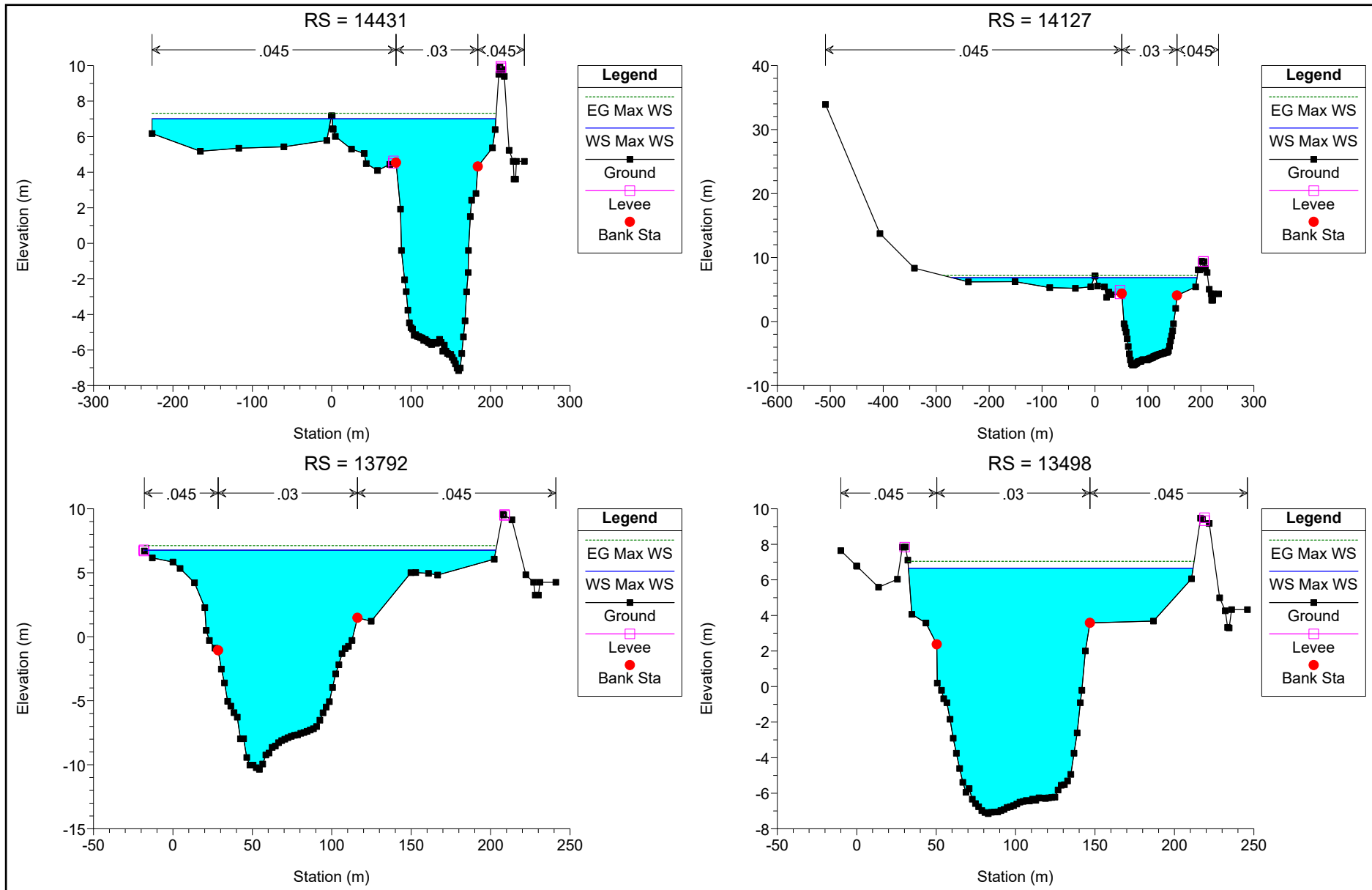


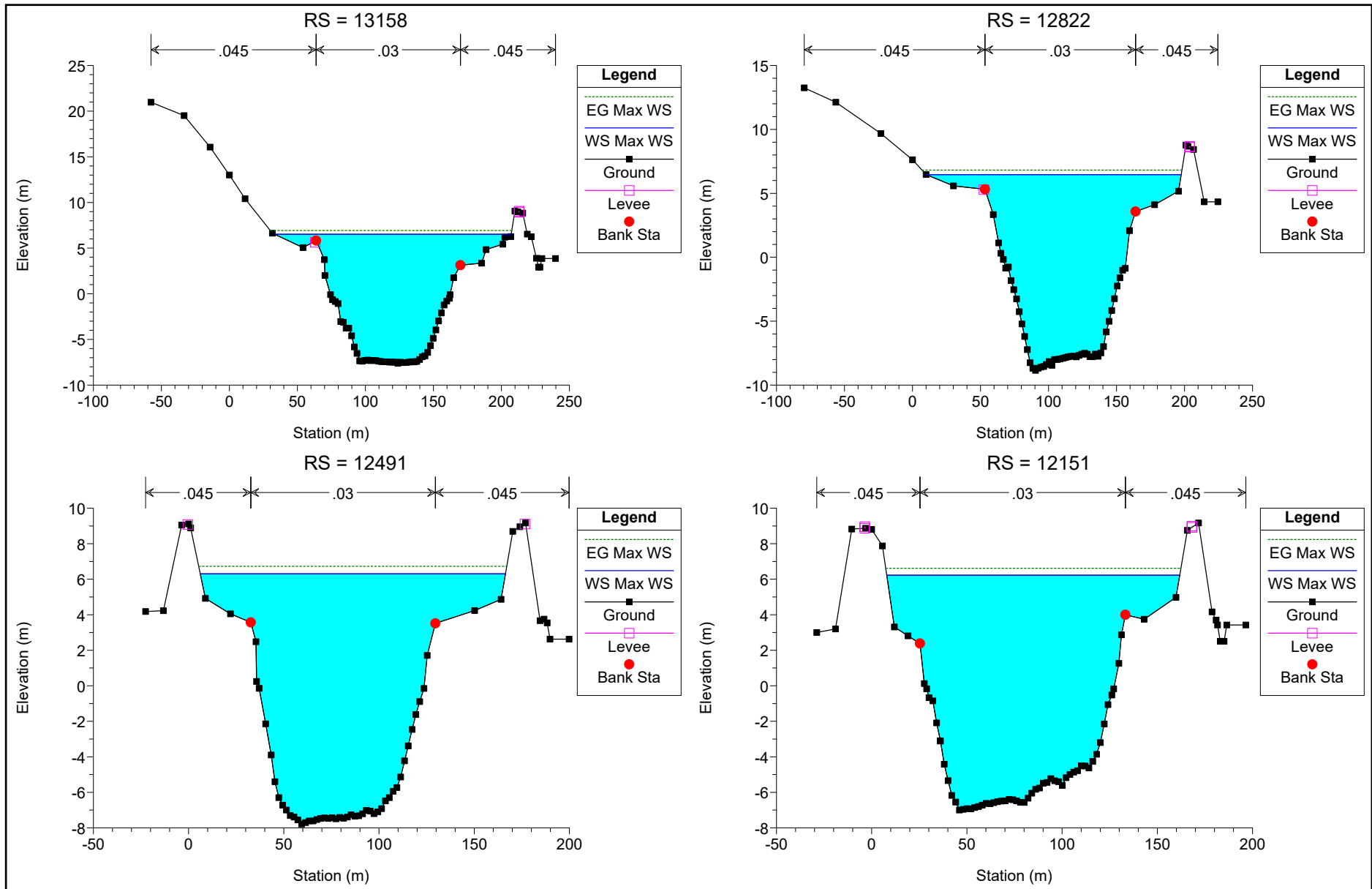


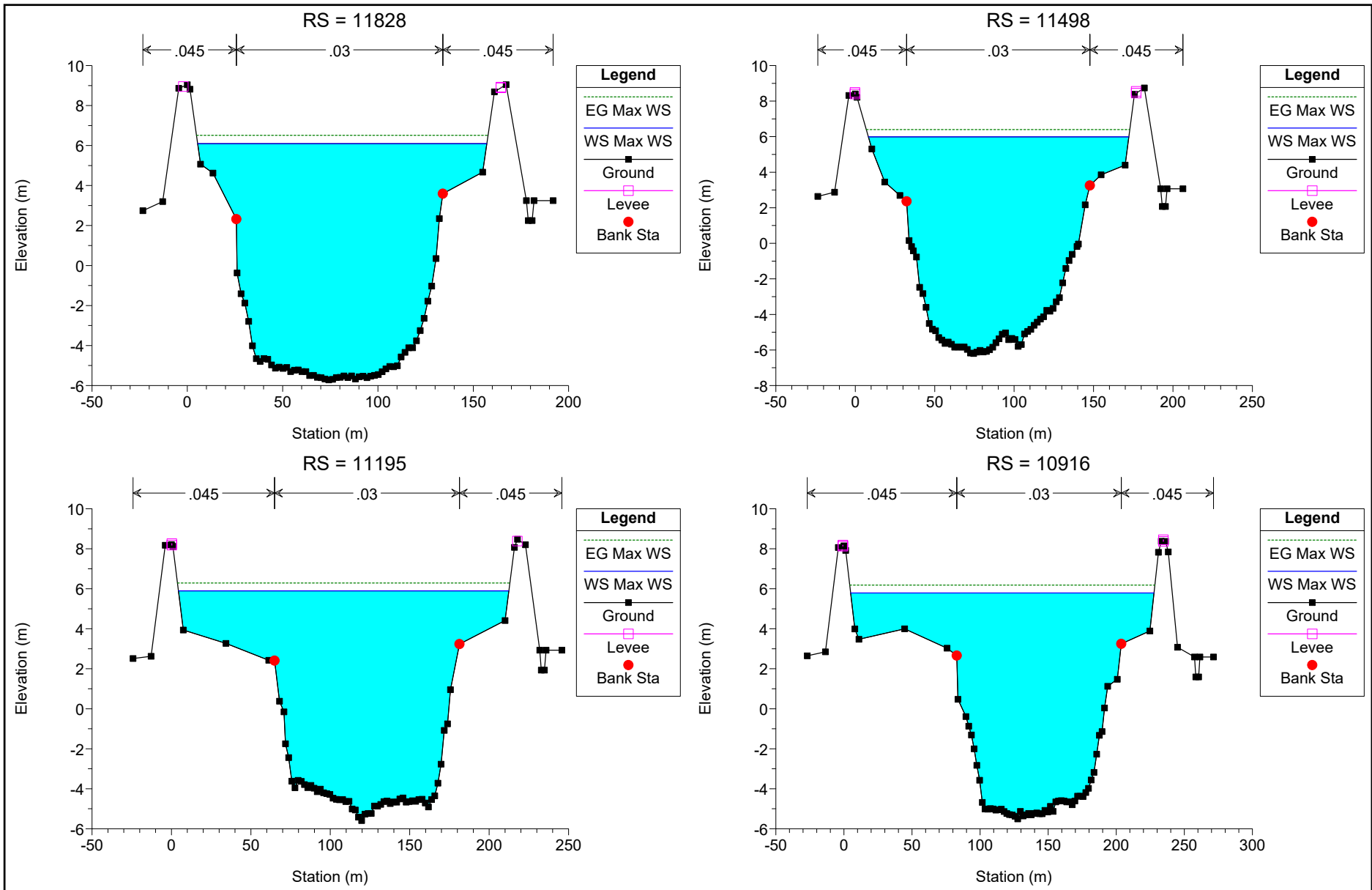


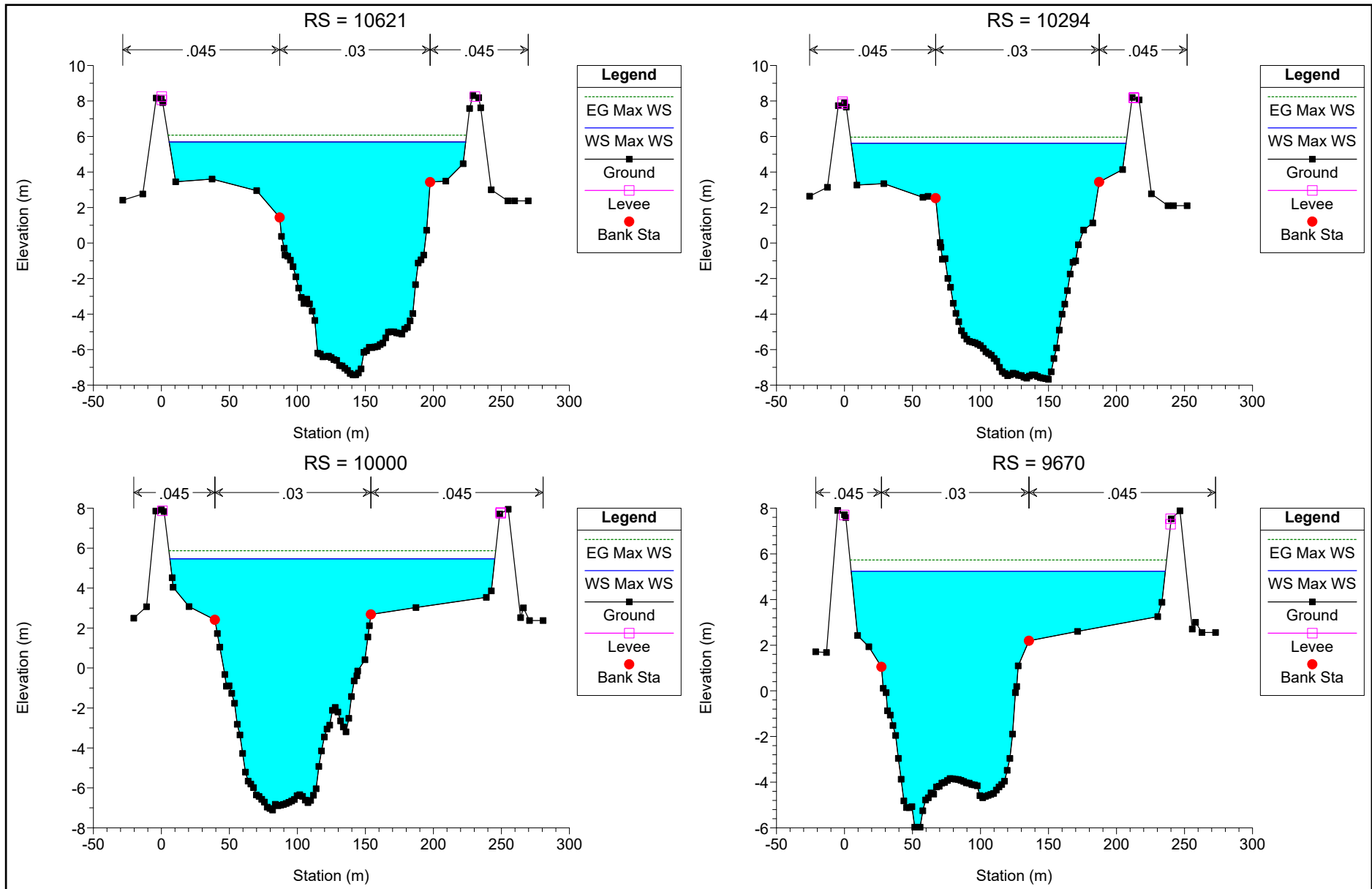


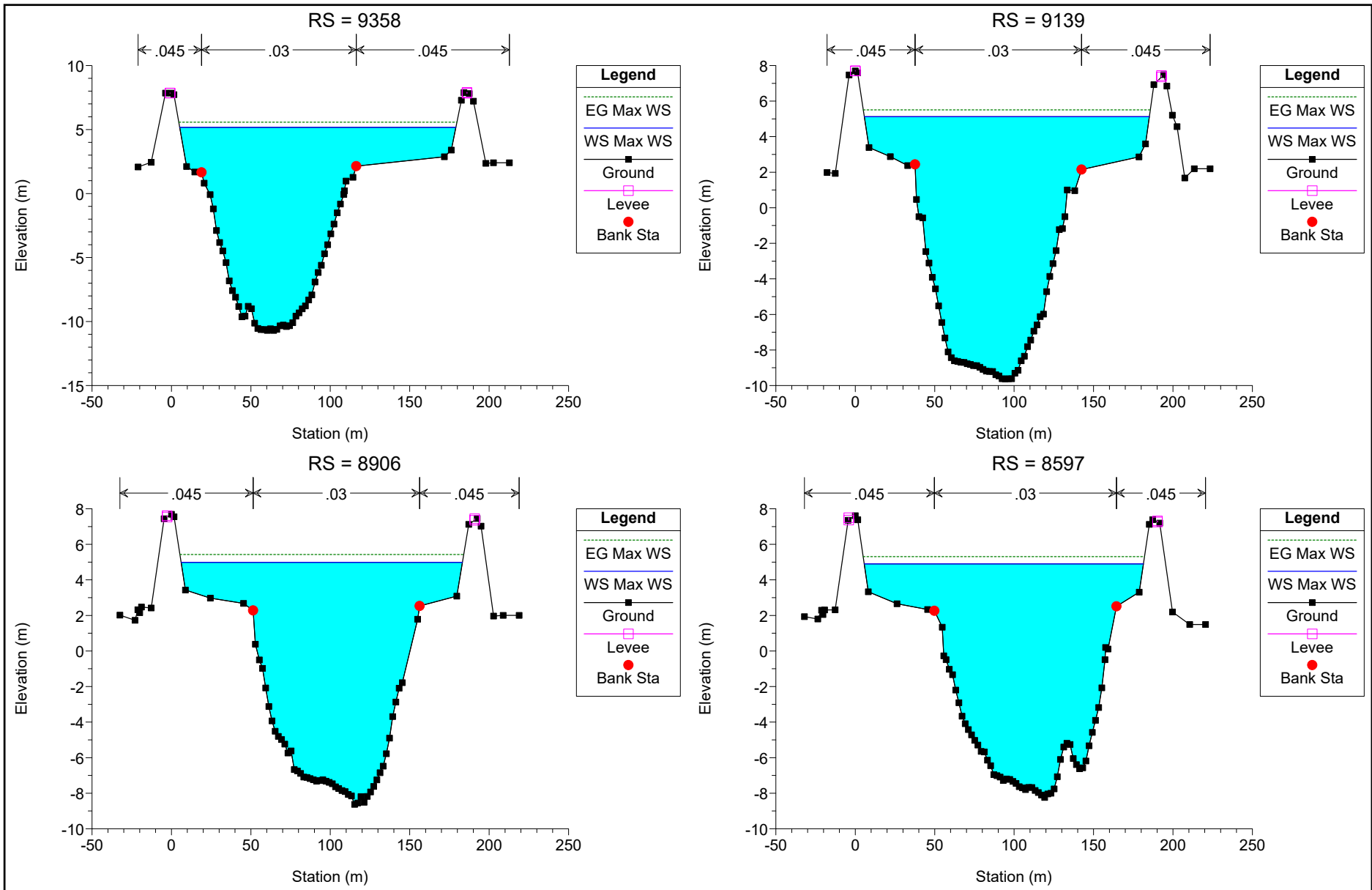


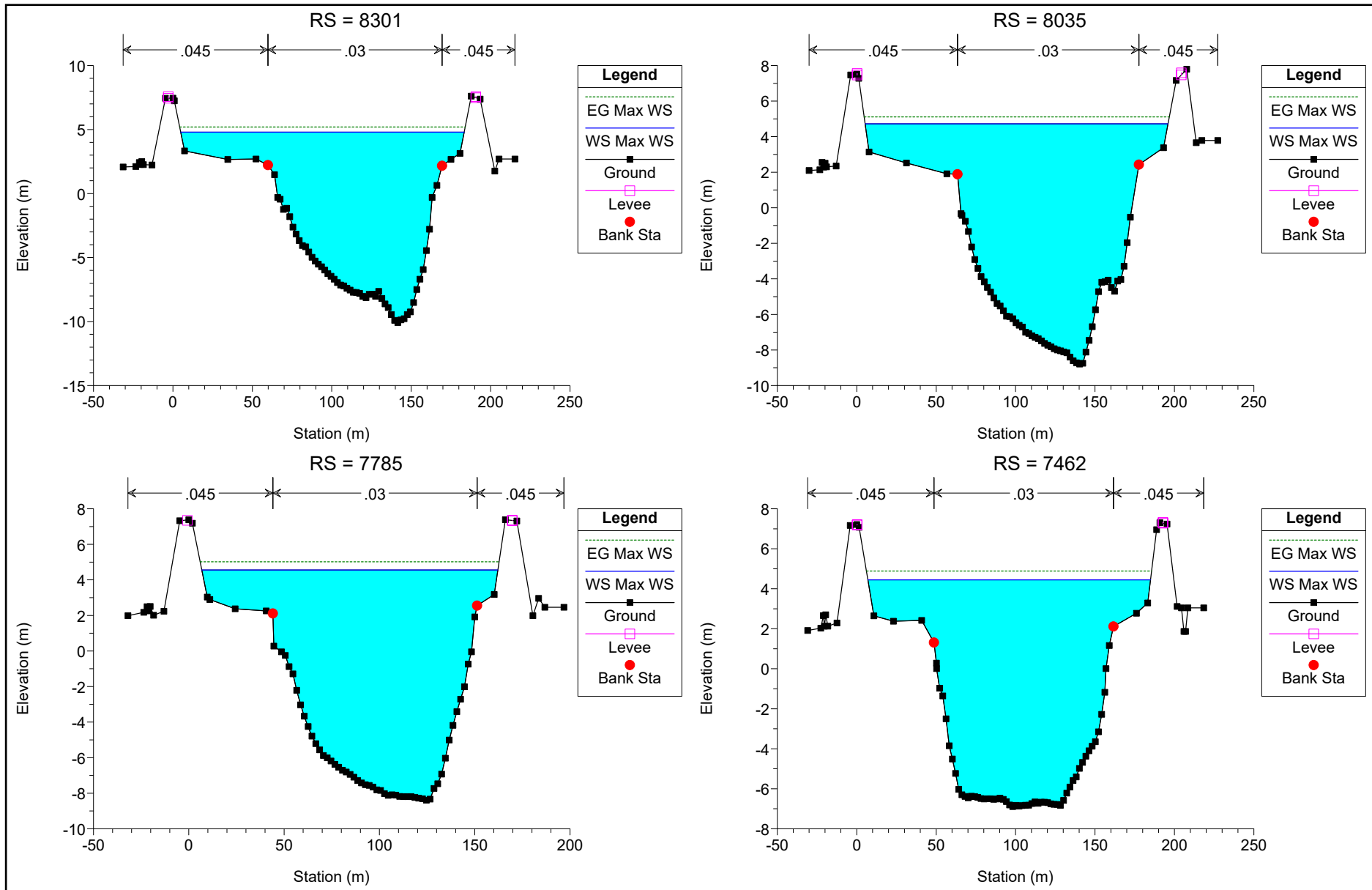




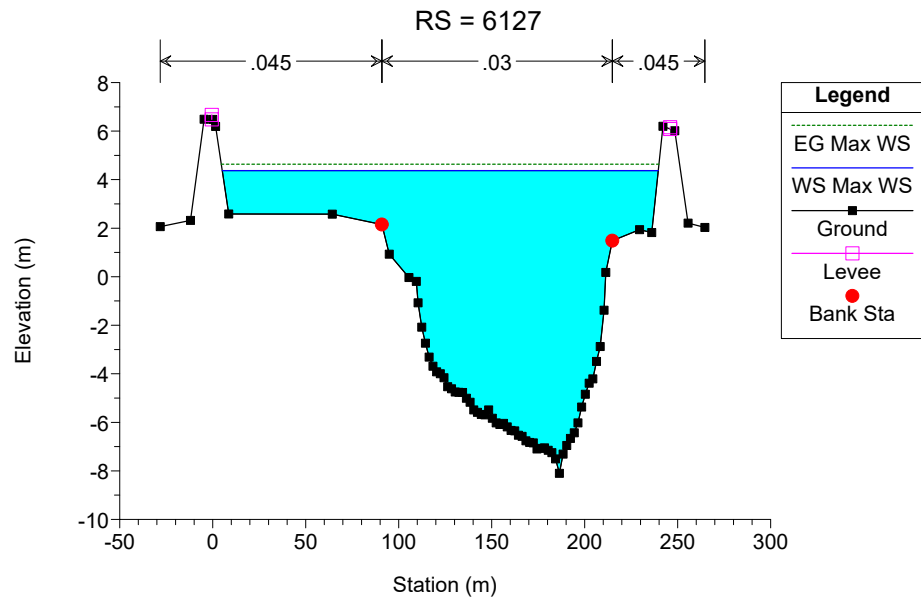
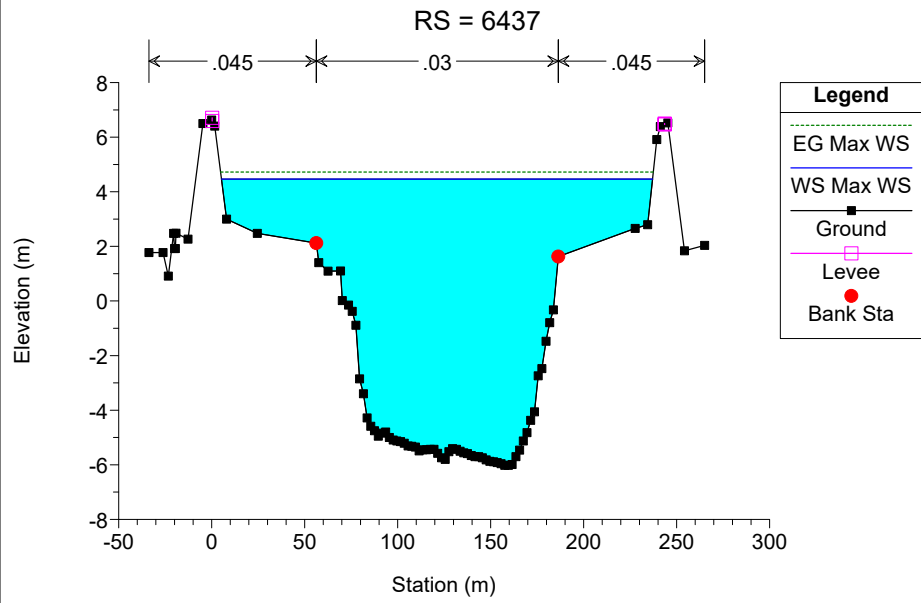
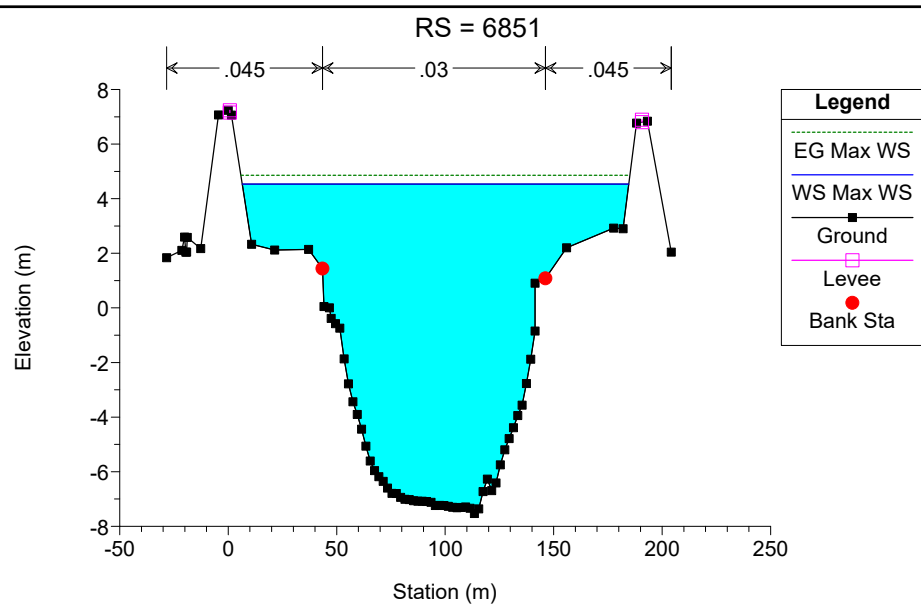
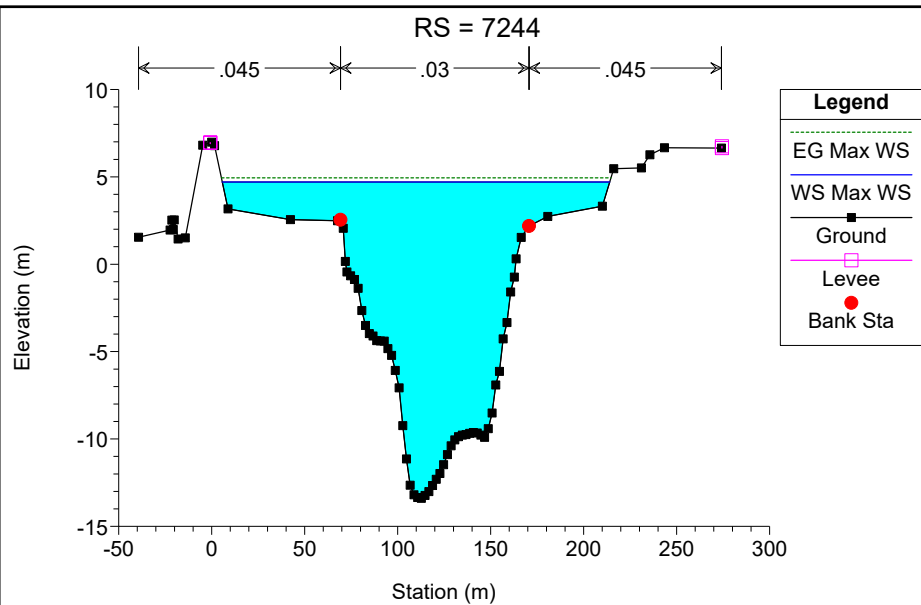


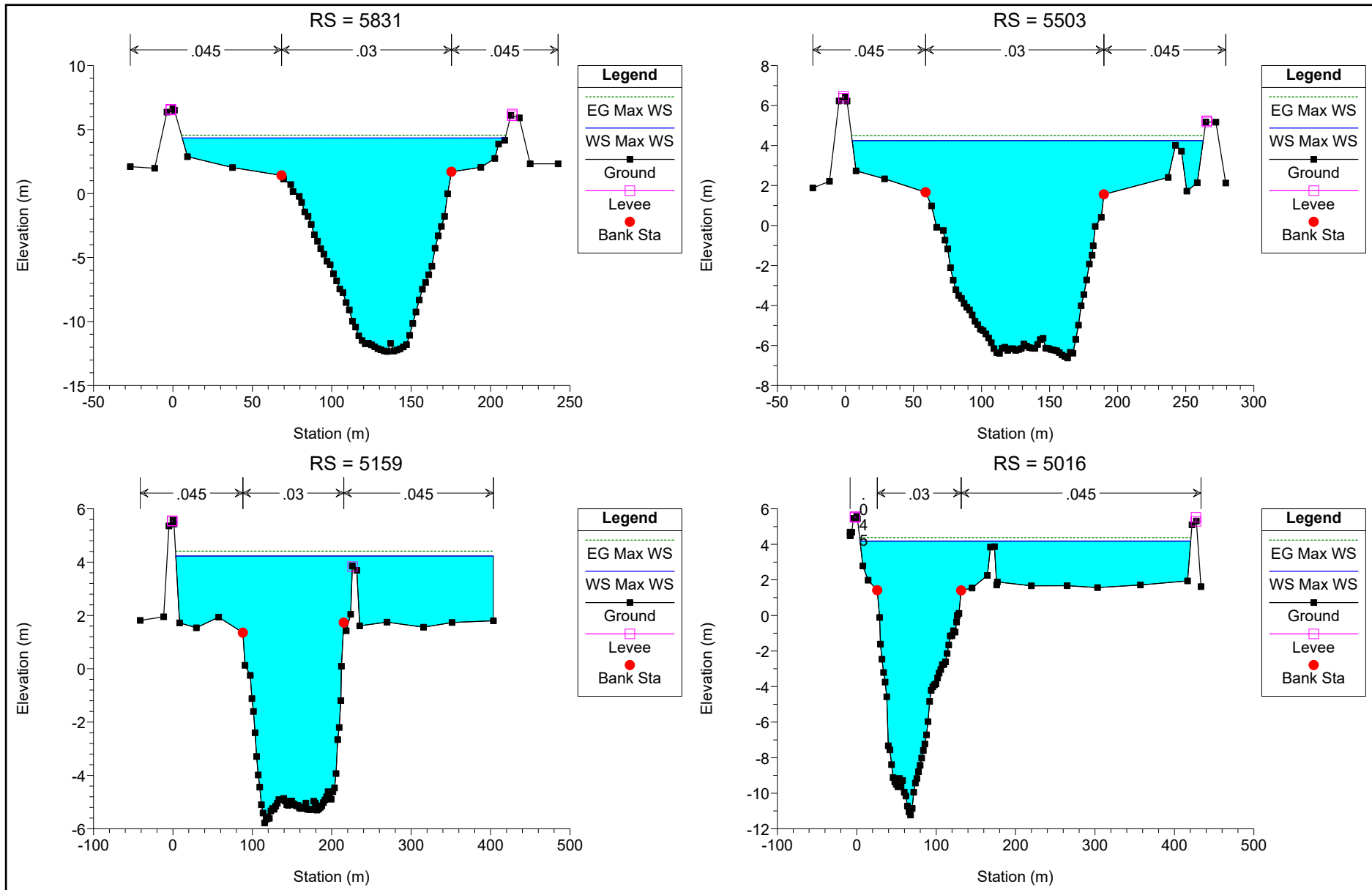


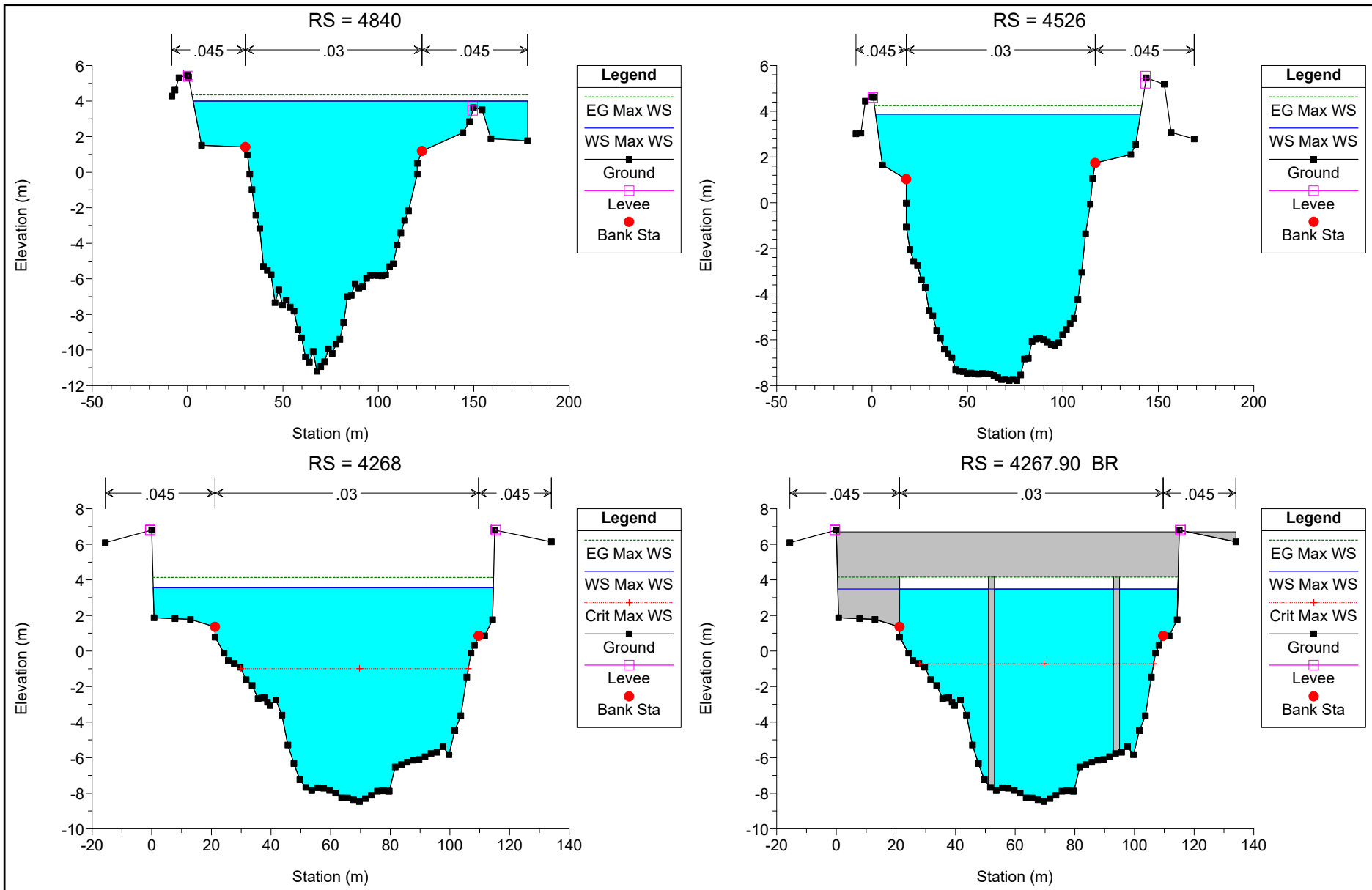


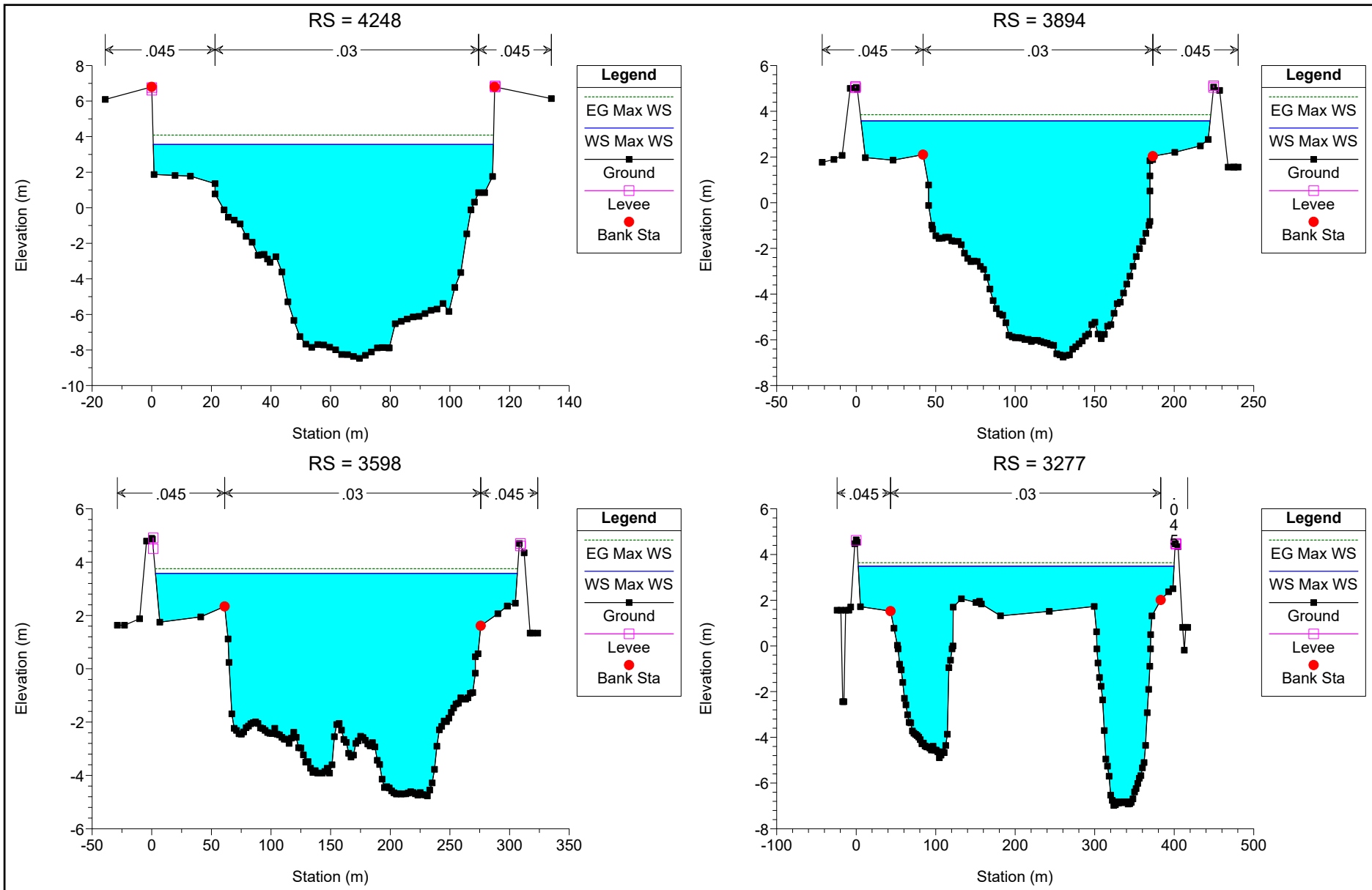


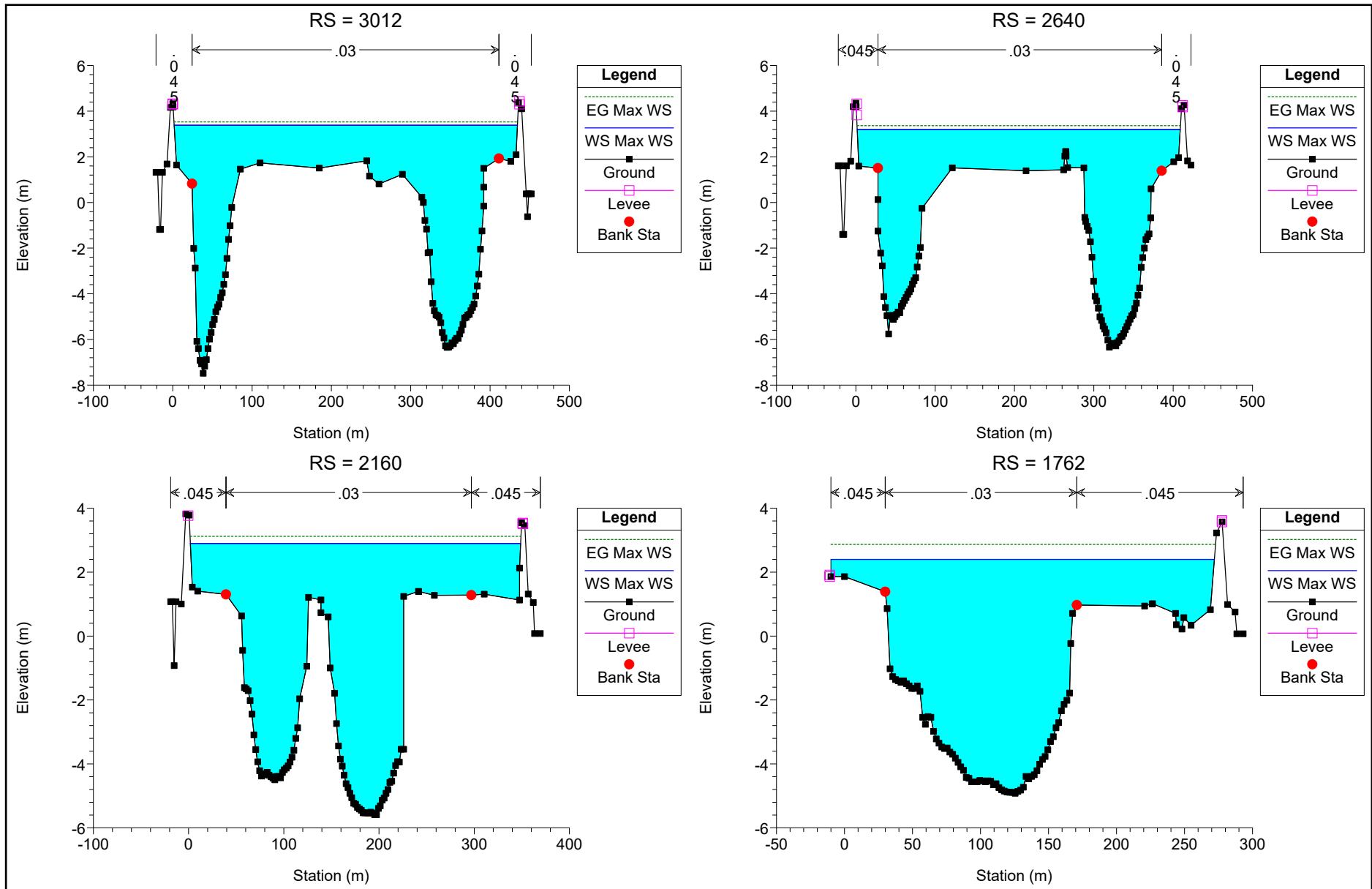


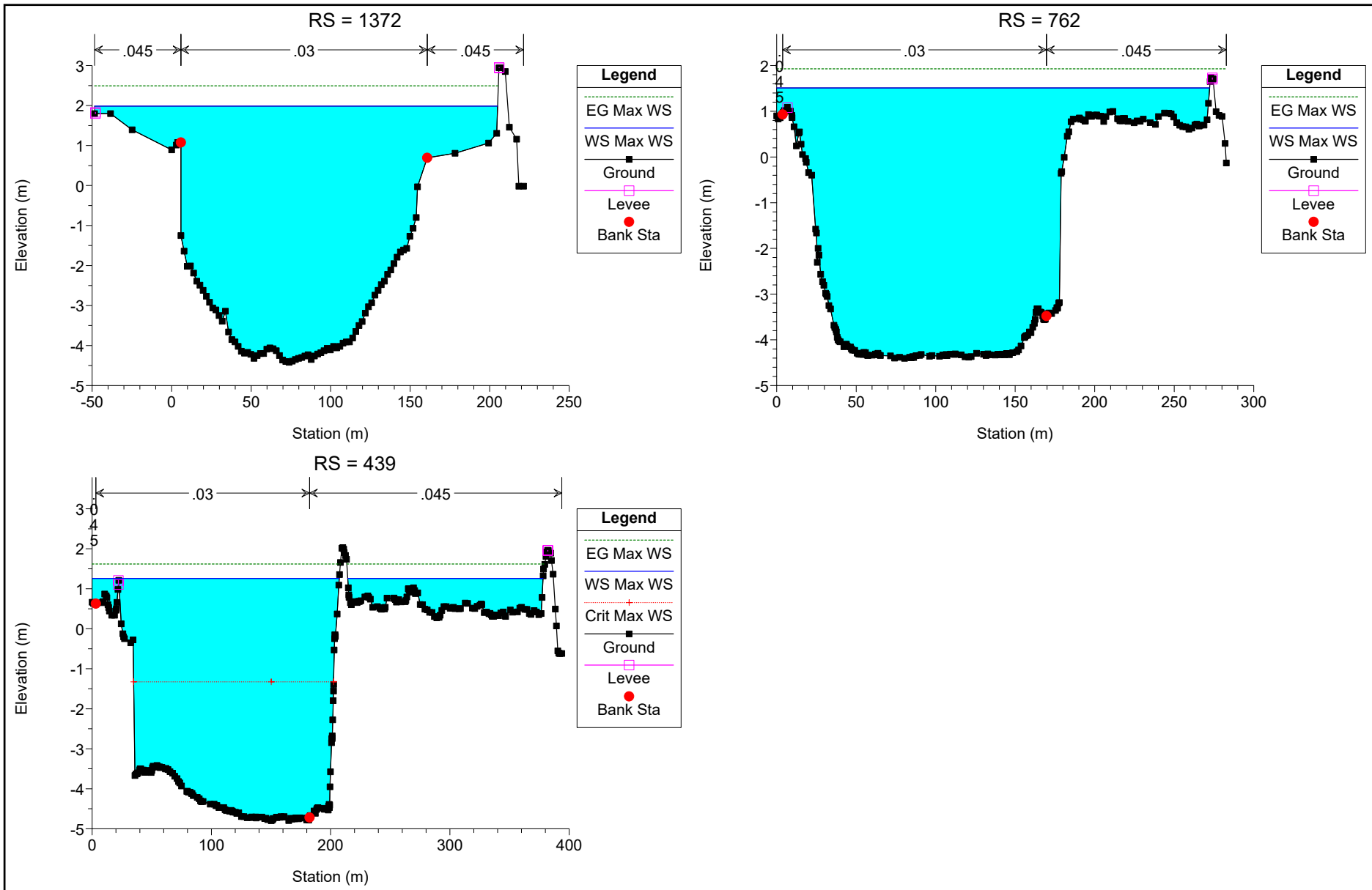










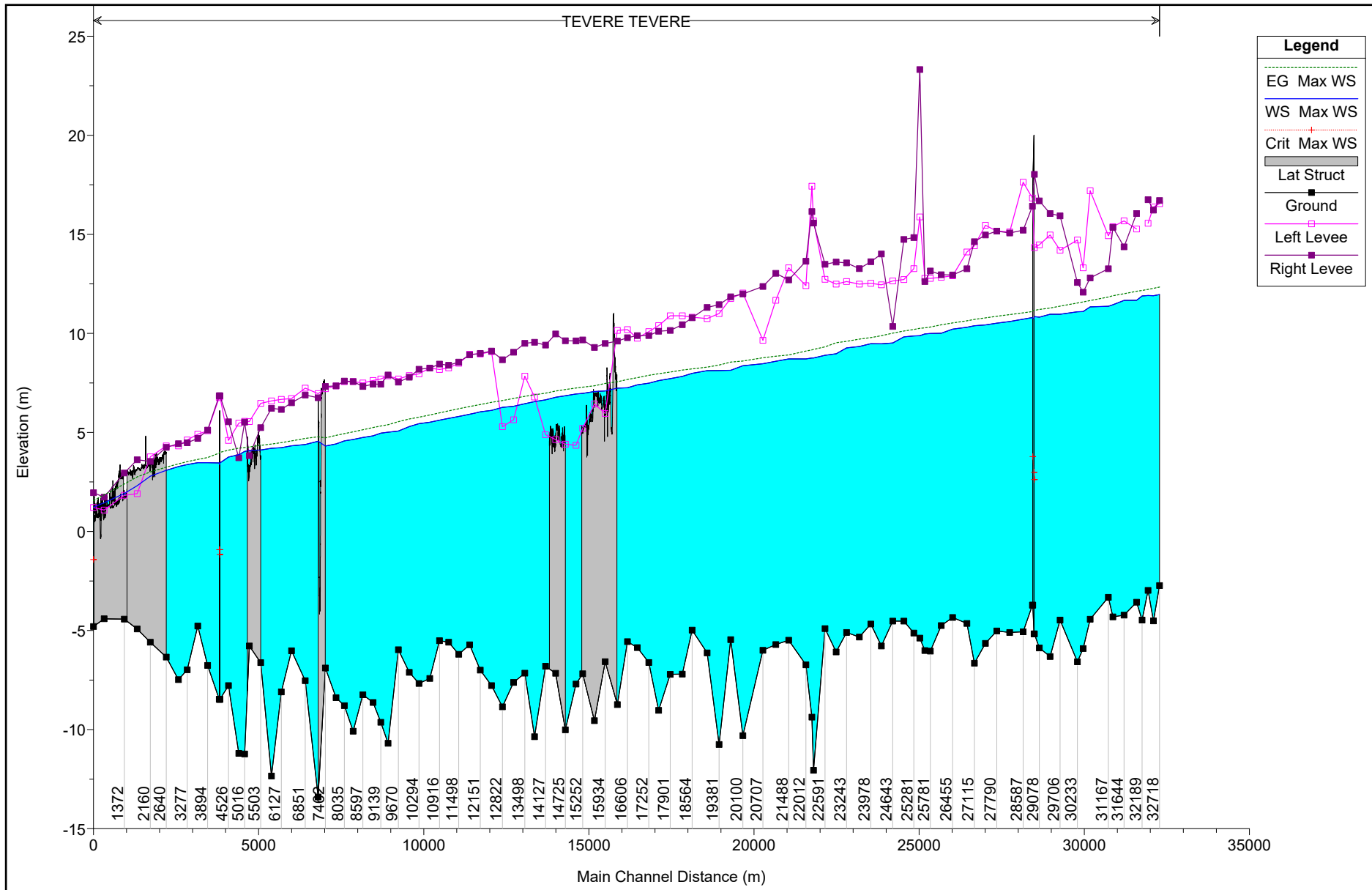


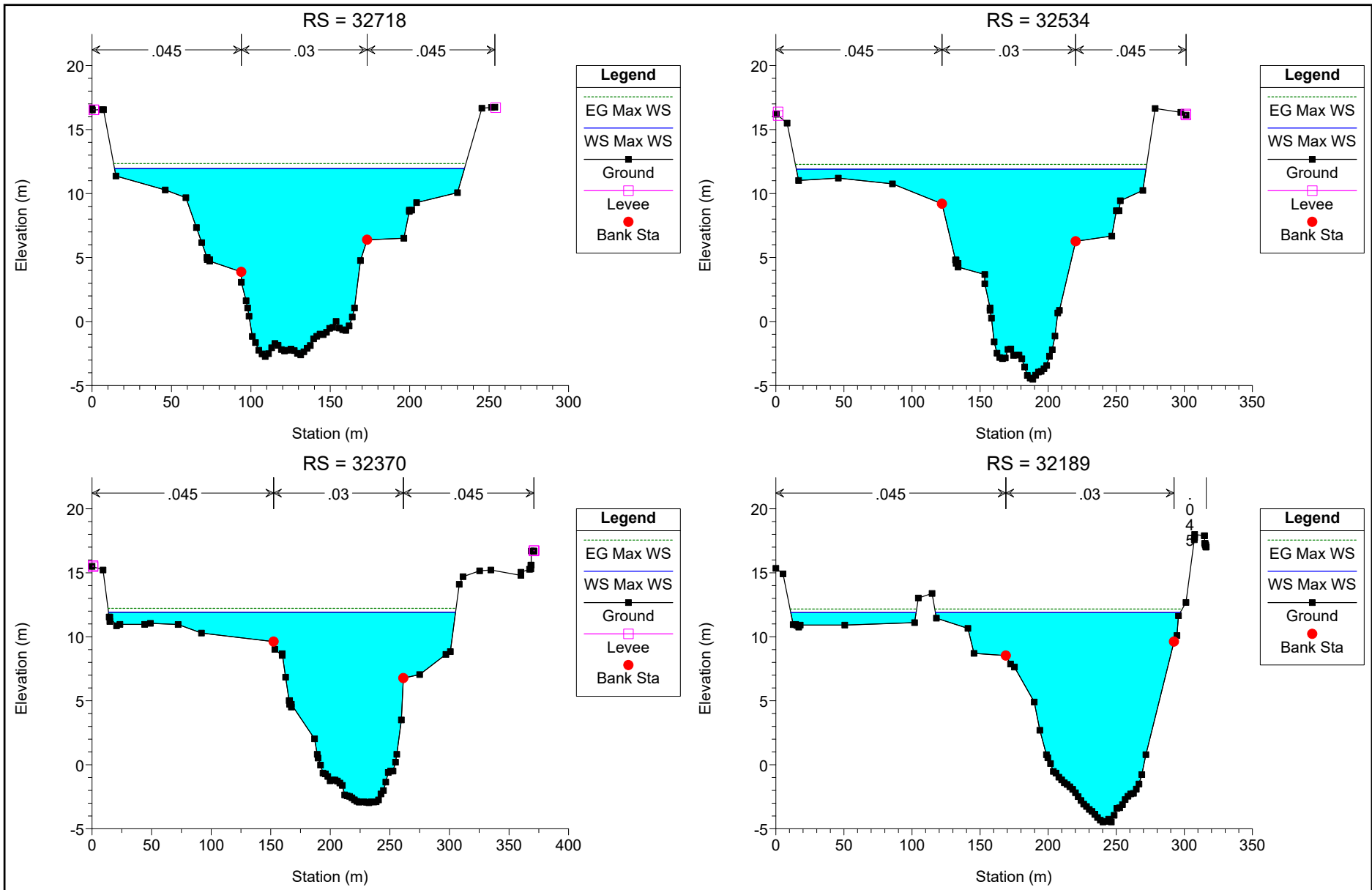
River	Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
TEVERE	TEVERE	32718	3356.60	-2.73	12.07		12.44	0.000270	2.87	1533.13	220.72	0.26
TEVERE	TEVERE	32534	3356.25	-4.51	12.01		12.38	0.000299	2.78	1462.72	257.19	0.26
TEVERE	TEVERE	32370	3356.32	-2.97	12.02		12.32	0.000244	2.52	1621.64	291.62	0.24
TEVERE	TEVERE	32189	3356.15	-4.47	12.00		12.27	0.000208	2.36	1596.50	272.93	0.22
TEVERE	TEVERE	32022	3354.73	-3.57	11.78		12.23	0.000420	2.99	1196.05	235.62	0.31
TEVERE	TEVERE	31644	3354.80	-4.22	11.77		12.11	0.000232	2.70	1593.35	332.53	0.24
TEVERE	TEVERE	31307	3353.35	-4.31	11.57		12.01	0.000394	2.99	1281.69	274.56	0.30
TEVERE	TEVERE	31167	3352.82	-3.32	11.49		11.95	0.000381	3.03	1158.33	200.94	0.29
TEVERE	TEVERE	30619	3352.77	-4.43	11.46		11.77	0.000251	2.49	1423.54	215.80	0.24
TEVERE	TEVERE	30404	3351.10	-5.91	11.22		11.71	0.000401	3.09	1105.27	159.88	0.29
TEVERE	TEVERE	30233	3351.07	-6.58	11.21		11.65	0.000283	3.00	1307.97	197.54	0.26
TEVERE	TEVERE	29706	3350.31	-4.47	11.09		11.50	0.000295	2.87	1388.26	343.12	0.26
TEVERE	TEVERE	29407	3350.28	-6.31	11.09		11.40	0.000238	2.51	1455.97	204.97	0.23
TEVERE	TEVERE	29078	3349.31	-5.88	10.94		11.33	0.000260	2.80	1386.61	237.07	0.25
TEVERE	TEVERE	28929	3349.63	-5.17	10.98	2.66	11.29	0.000219	2.51	1529.06	228.35	0.23
TEVERE	TEVERE	28928.90	Bridge									
TEVERE	TEVERE	28869	3349.11	-3.72	10.93		11.23	0.000233	2.48	1540.97	222.57	0.24
TEVERE	TEVERE	28587	3348.66	-5.06	10.85		11.16	0.000216	2.52	1471.06	212.17	0.23
TEVERE	TEVERE	28180	3347.70	-5.10	10.73		11.08	0.000222	2.66	1401.78	183.23	0.23
TEVERE	TEVERE	27790	3347.23	-5.02	10.65		10.99	0.000217	2.66	1467.32	208.64	0.23
TEVERE	TEVERE	27448	3346.60	-5.65	10.52		10.91	0.000241	2.67	1371.14	198.65	0.24
TEVERE	TEVERE	27115	3346.49	-6.65	10.52		10.83	0.000260	2.59	1676.46	306.36	0.24
TEVERE	TEVERE	26889	3345.97	-4.64	10.44		10.77	0.000243	2.55	1441.23	204.85	0.24
TEVERE	TEVERE	26455	3345.29	-4.34	10.35		10.66	0.000244	2.53	1522.22	250.90	0.24
TEVERE	TEVERE	26110	3343.91	-4.75	10.15		10.57	0.000362	2.90	1273.25	205.96	0.29
TEVERE	TEVERE	25781	3343.81	-6.04	10.13		10.46	0.000248	2.55	1431.88	204.00	0.24
TEVERE	TEVERE	25614	3343.67	-6.01	10.11		10.42	0.000216	2.49	1510.71	207.80	0.22
TEVERE	TEVERE	25462	3343.05	-5.38	10.03		10.40	0.000259	2.82	1326.48	179.31	0.25
TEVERE	TEVERE	25281	3342.87	-5.13	10.01		10.34	0.000255	2.55	1425.83	211.10	0.24
TEVERE	TEVERE	24979	3342.61	-4.52	9.97		10.26	0.000239	2.42	1484.91	243.21	0.23
TEVERE	TEVERE	24643	3340.19	-4.52	9.66		10.16	0.000441	3.13	1129.12	195.76	0.32
TEVERE	TEVERE	24298	3339.90	-5.78	9.62		10.03	0.000292	2.87	1298.52	191.76	0.26
TEVERE	TEVERE	23978	3340.05	-4.67	9.63		9.94	0.000219	2.49	1508.42	241.86	0.22
TEVERE	TEVERE	23631	3339.04	-5.33	9.50		9.86	0.000279	2.73	1453.87	318.11	0.26
TEVERE	TEVERE	23243	3338.66	-5.10	9.43		9.75	0.000267	2.62	1628.79	368.15	0.25
TEVERE	TEVERE	22929	3336.30	-6.08	9.15		9.69	0.000484	3.40	1314.41	350.30	0.33
TEVERE	TEVERE	22591	3335.91	-4.90	9.07		9.49	0.000512	2.95	1379.31	363.84	0.33
TEVERE	TEVERE	22242	3334.91	-12.05	8.93		9.36	0.000261	3.06	1500.88	326.17	0.25
TEVERE	TEVERE	22194	3334.89	-9.37	8.94		9.34	0.000348	2.94	1501.18	353.12	0.28
TEVERE	TEVERE	22012	3334.65	-6.73	8.89		9.28	0.000302	2.92	1533.39	337.44	0.27
TEVERE	TEVERE	21488	3334.77	-5.49	8.89		9.09	0.000246	2.06	2017.86	437.52	0.23
TEVERE	TEVERE	21098	3334.08	-5.71	8.78		9.02	0.000209	2.43	2125.81	449.76	0.22
TEVERE	TEVERE	20707	3333.45	-6.00	8.66		8.95	0.000266	2.71	1986.40	441.54	0.25
TEVERE	TEVERE	20100	3332.93	-10.31	8.56		8.79	0.000160	2.26	2015.11	383.92	0.19
TEVERE	TEVERE	19733	3331.52	-5.46	8.33		8.74	0.000381	3.01	1526.46	345.31	0.30
TEVERE	TEVERE	19381	3331.60	-10.75	8.33		8.60	0.000229	2.50	2139.78	634.74	0.23
TEVERE	TEVERE	19020	3331.65	-6.13	8.32		8.49	0.000180	2.02	2507.07	605.50	0.20
TEVERE	TEVERE	18564	3331.16	-4.98	8.19		8.41	0.000210	2.14	2073.88	604.64	0.22
TEVERE	TEVERE	18268	3330.52	-7.20	8.04		8.35	0.000299	2.59	1669.48	425.95	0.26
TEVERE	TEVERE	17901	3330.01	-7.21	7.92		8.26	0.000241	2.65	1612.64	339.10	0.24
TEVERE	TEVERE	17552	3329.70	-9.03	7.82		8.18	0.000276	2.77	1621.85	337.12	0.25
TEVERE	TEVERE	17252	3329.09	-6.61	7.69		8.09	0.000320	2.91	1477.37	322.70	0.27
TEVERE	TEVERE	16905	3328.80	-5.86	7.61		7.98	0.000312	2.78	1551.85	363.82	0.27
TEVERE	TEVERE	16606	3328.17	-5.56	7.46		7.89	0.000367	2.98	1458.70	374.93	0.29
TEVERE	TEVERE	16303	3328.15	-8.74	7.44		7.77	0.000255	2.62	1622.11	376.79	0.25
TEVERE	TEVERE	16302.9	Lat Struct									
TEVERE	TEVERE	15934	3282.83	-6.57	7.31		7.69	0.000313	2.82	1596.80	475.99	0.27
TEVERE	TEVERE	15605	3316.85	-9.55	7.27		7.57	0.000239	2.45	1638.65	426.19	0.23
TEVERE	TEVERE	15252	3175.27	-7.18	7.19		7.50	0.000262	2.53	1524.04	380.63	0.25
TEVERE	TEVERE	15049	3139.98	-7.70	7.16		7.46	0.000229	2.52	1632.46	342.18	0.23
TEVERE	TEVERE	14725	3139.66	-10.01	7.08		7.39	0.000246	2.56	1588.58	332.93	0.24
TEVERE	TEVERE	14724.90	Lat Struct									
TEVERE	TEVERE	14431	3138.00	-7.16	7.01		7.31	0.000270	2.57	1658.80	431.02	0.25
TEVERE	TEVERE	14127	3327.20	-6.80	6.86		7.21	0.000276	2.67	1616.85	460.79	0.25
TEVERE	TEVERE	13792	3327.21	-10.36	6.76		7.12	0.000235	2.73	1474.76	221.31	0.24
TEVERE	TEVERE	13498	3327.21	-7.15	6.65		7.04	0.000297	2.83	1337.82	179.17	0.26
TEVERE	TEVERE	13158	3327.22	-7.62	6.52		6.93	0.000342	2.88	1238.26	173.96	0.28
TEVERE	TEVERE	12822	3327.23	-8.85	6.46		6.82	0.000282	2.68	1324.38	187.43	0.26
TEVERE	TEVERE	12491	3327.01	-7.78	6.30		6.73	0.000324	2.92	1239.15	160.31	0.28
TEVERE	TEVERE	12151	3327.03	-7.00	6.23		6.62	0.000311	2.79	1272.76	153.87	0.27
TEVERE	TEVERE	11828	3327.04	-5.72	6.09		6.51	0.000349	2.88	1219.36	151.68	0.28
TEVERE	TEVERE	11498	3327.05	-6.20	5.99		6.40	0.000357	2.84	1248.44	163.94	0.29
TEVERE	TEVERE	11195	3326.75	-5.59	5.90		6.29	0.000378	2.84	1330.20	207.99	0.29
TEVERE	TEVERE	10916	3326.77	-5.51	5.79		6.18	0.000386	2.83	1340.46	222.81	0.30
TEVERE	TEVERE	10621	3326.79	-7.42	5.70		6.07	0.000339	2.80	1374.71	218.04	0.28
TEVERE	TEVERE	10294	3326.81	-7.67	5.62		5.96	0.000300	2.64	1401.67	202.18	0.27
TEVERE	TEVERE	10000	3326.82	-7.11	5.47		5.87	0.000403	2.90	1354.17	238.90	0.30
TEVERE	TEVERE	9670	3326.82	-5.97	5.24		5.73	0.000556	3.24	1245.88	231.01	0.35
TEVERE	TEVERE	9358	3326.81	-10.69	5.17		5.58	0.000308	2.86	1310.18	173.87	0.27
TEVERE	TEVERE	9139	3326.81	-9.63	5.13		5.50	0.000303	2.77	1331.17	179.44	0.27
TEVERE	TEVERE	8906	3326.80	-8.63	4.99		5.43	0.000381	2.99	1222.90	177.06	0.30
TEVERE	TEVERE	8597	3326.79	-8.24	4.90		5.31	0.000373	2.87	1251.99	175.77	0.29
TEVERE	TEVERE	8301	3326.78	-10.08	4.79		5.20	0.000351	2.86	1264.40	178.48	0.28
TEVERE	TEVERE	8035	3326.42	-8.79	4.72		5.11	0.000347	2.81	1303.97	190.66	0.28
TEVERE	TEVERE	7785	3326.29	-8.39	4.55		5.02	0.000409	3.04	1164.99	155.34	0.31
TEVERE	TEVERE	7462	3326.06	-6.89	4.45		4.89	0.000403	2.97	1216.06	177.94	0.30
TEVERE	TEVERE	7461.90	Lat Struct									
TEVERE	TEVERE	7244	2634.77	-13.40	4.71		4.94	0.000185	2.18	1362.84	208.30	0.21

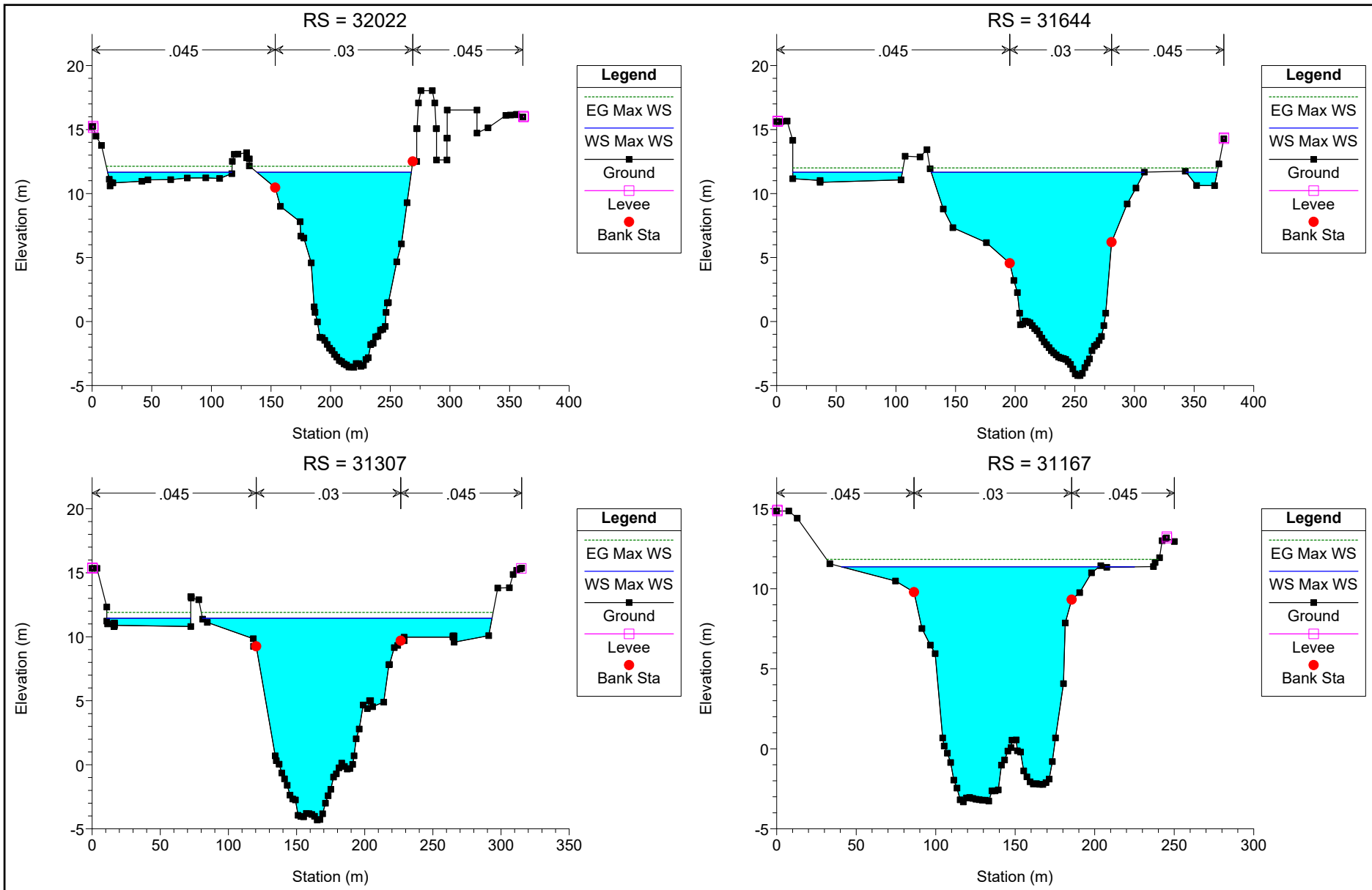


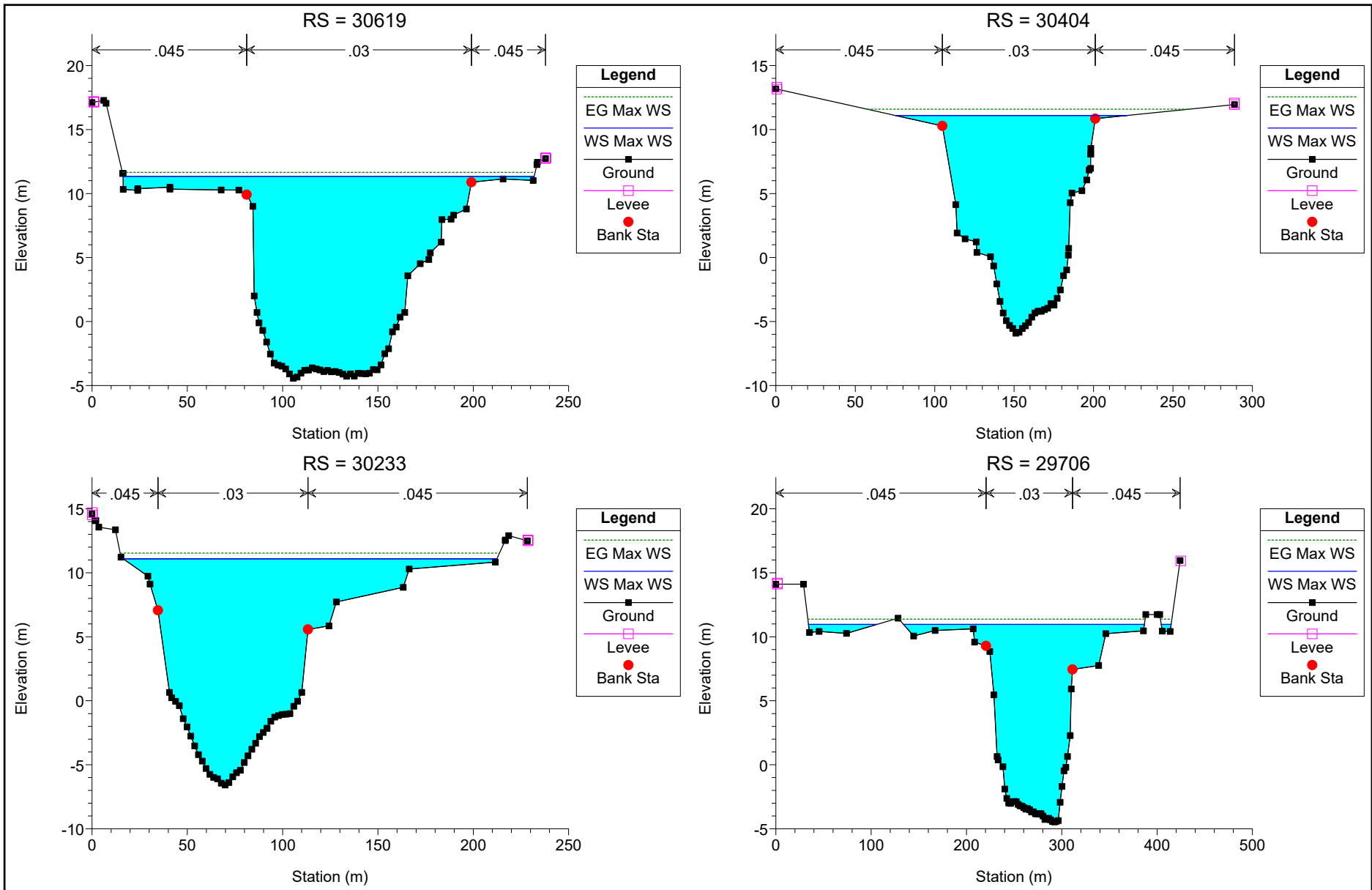


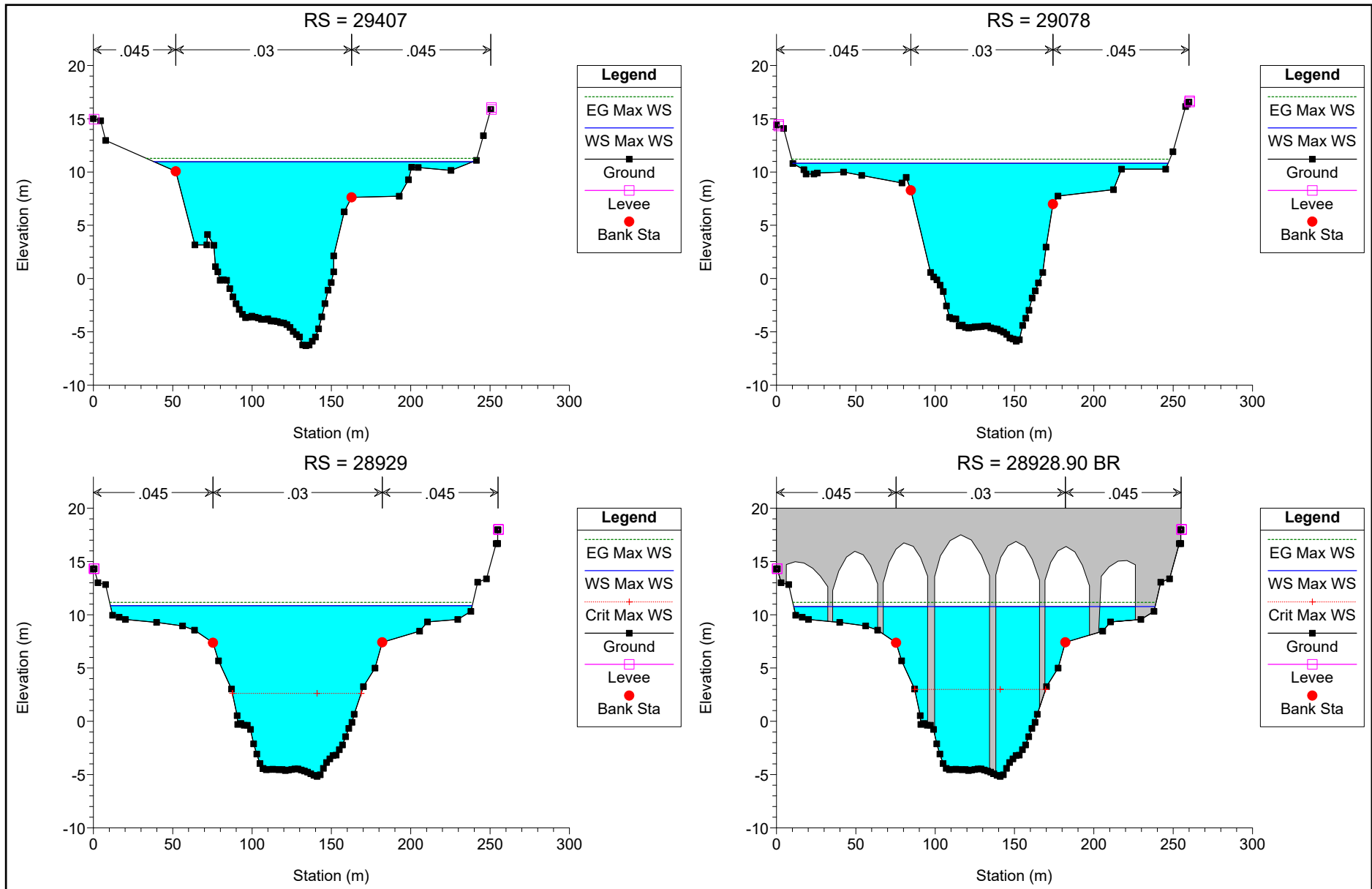
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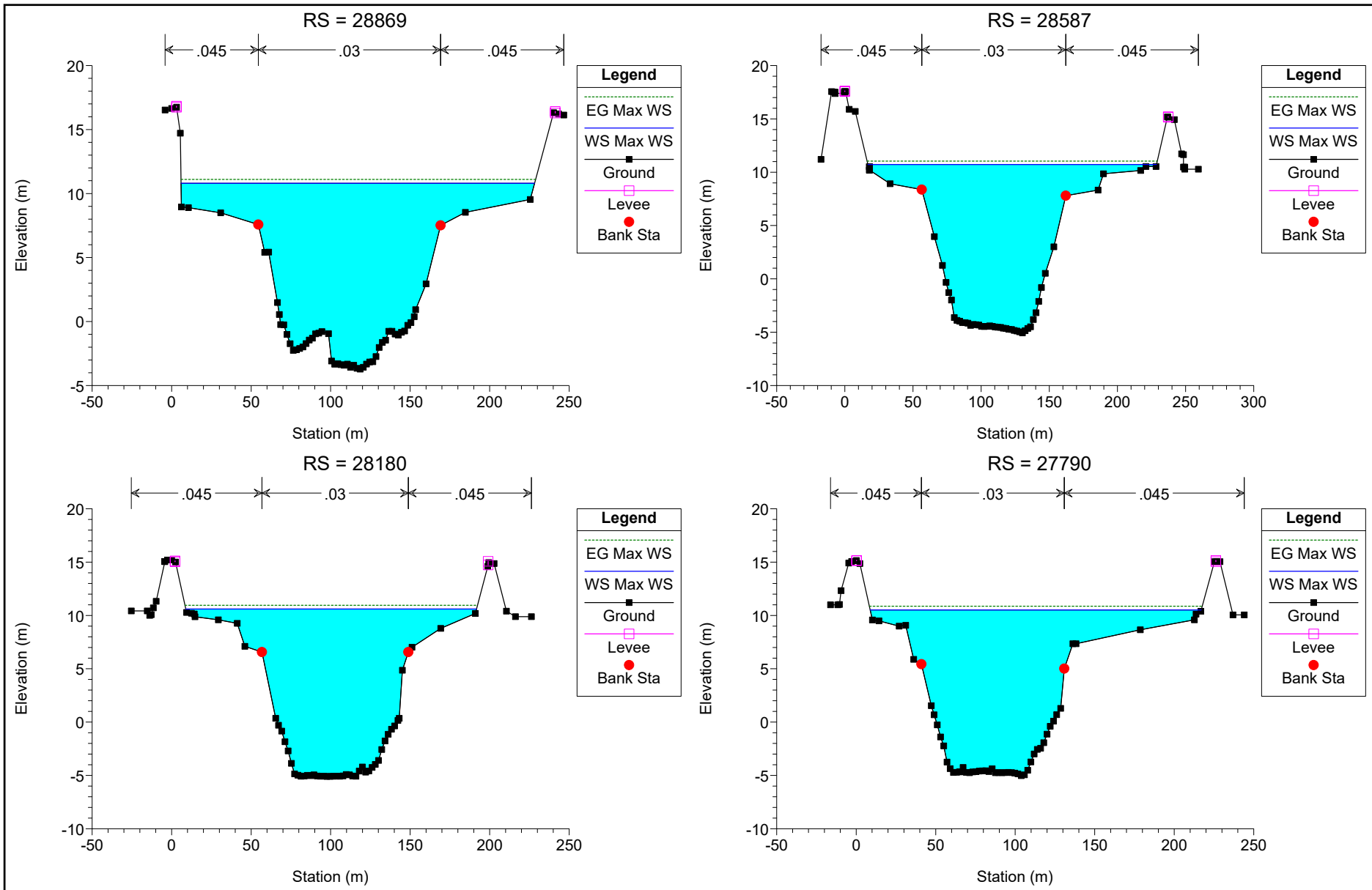


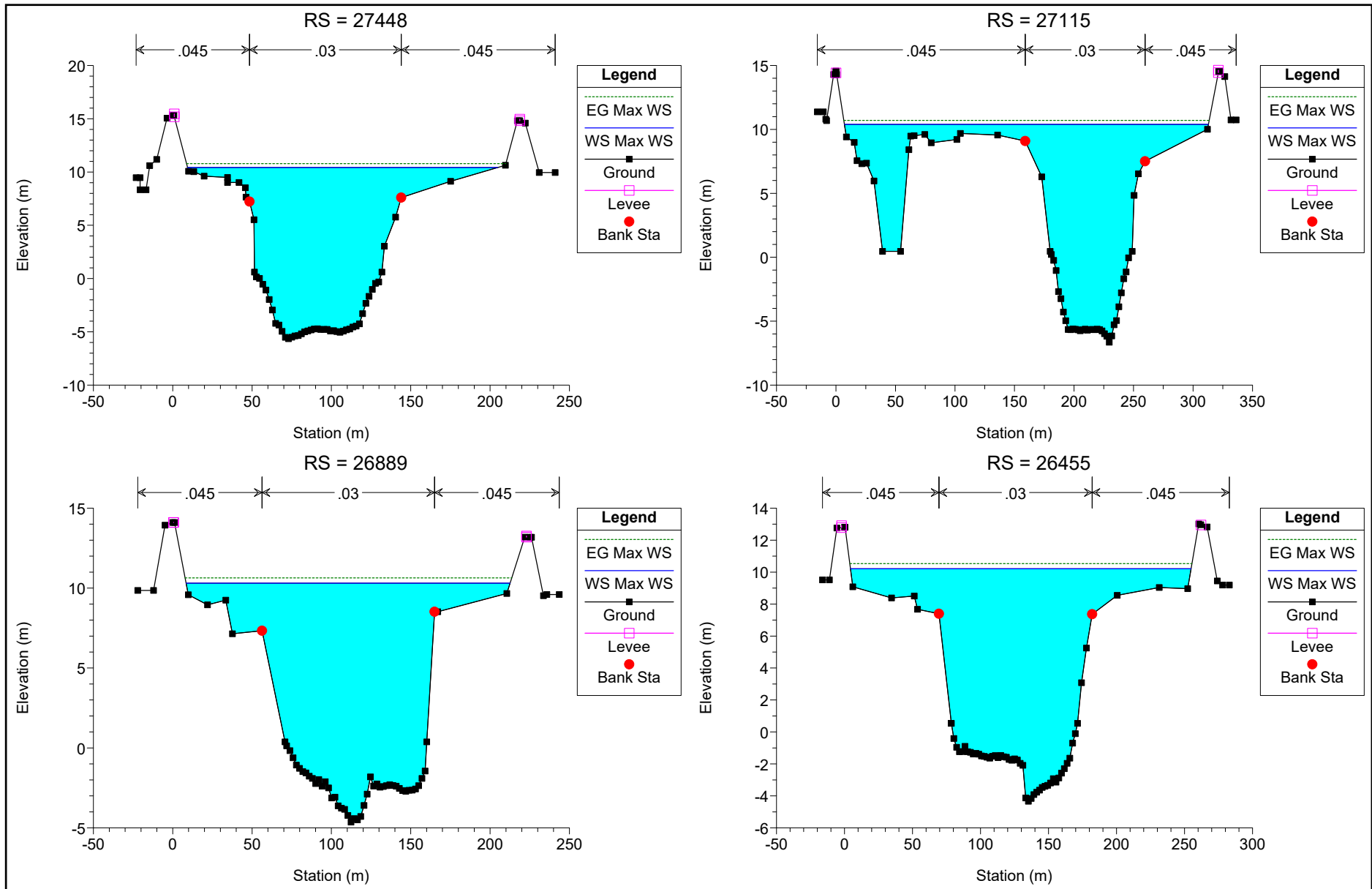










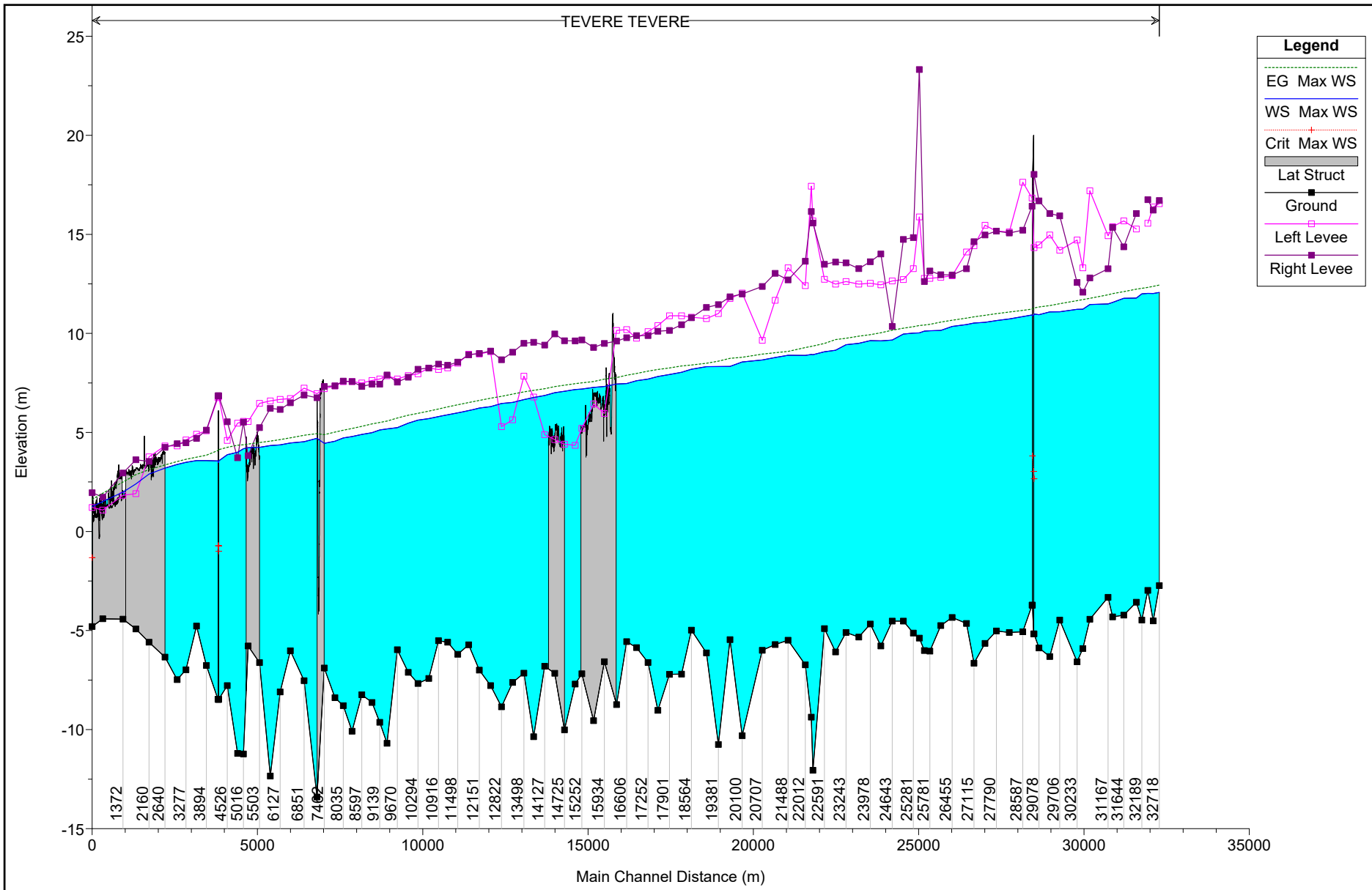


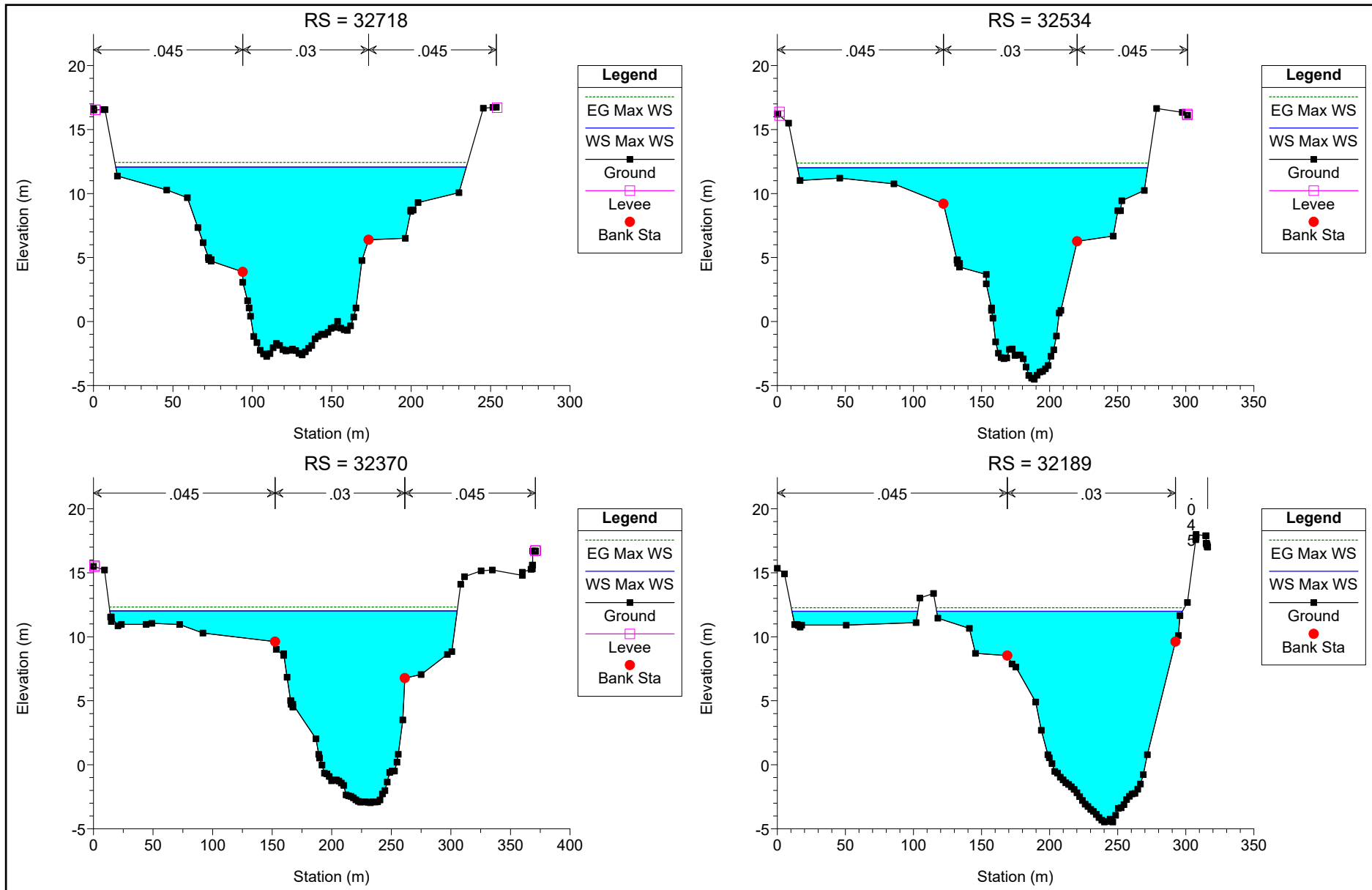


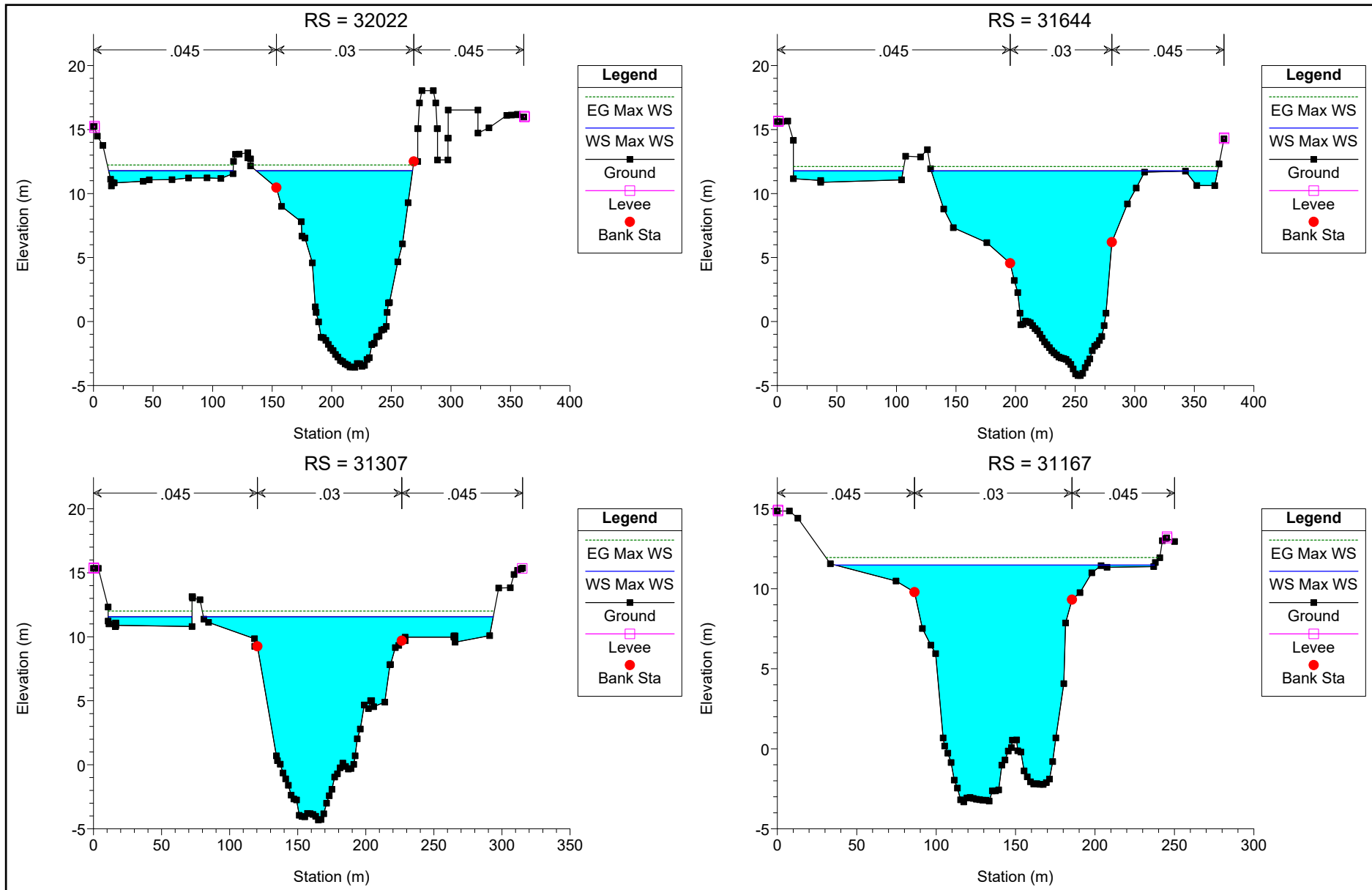
River	Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
TEVERE	TEVERE	32718	3341.09	-2.73	11.96		12.34	0.000277	2.90	1509.67	220.32	0.26
TEVERE	TEVERE	32534	3339.85	-4.51	11.90		12.28	0.000308	2.80	1434.91	256.83	0.27
TEVERE	TEVERE	32370	3340.44	-2.97	11.91		12.22	0.000252	2.55	1590.10	291.31	0.24
TEVERE	TEVERE	32189	3340.44	-4.47	11.89		12.17	0.000214	2.37	1567.28	271.82	0.23
TEVERE	TEVERE	32022	3334.50	-3.57	11.67		12.13	0.000433	3.01	1169.44	233.68	0.31
TEVERE	TEVERE	31644	3335.31	-4.22	11.66		12.00	0.000235	2.71	1558.79	296.65	0.24
TEVERE	TEVERE	31307	3329.18	-4.31	11.45		11.90	0.000407	3.02	1248.74	274.12	0.30
TEVERE	TEVERE	31167	3327.09	-3.32	11.37		11.84	0.000388	3.04	1135.71	180.36	0.29
TEVERE	TEVERE	30619	3327.58	-4.43	11.34		11.66	0.000257	2.50	1398.30	215.62	0.24
TEVERE	TEVERE	30404	3321.26	-5.91	11.10		11.59	0.000408	3.09	1087.03	146.10	0.30
TEVERE	TEVERE	30233	3321.02	-6.58	11.09		11.54	0.000288	3.01	1283.92	196.00	0.26
TEVERE	TEVERE	29706	3318.92	-4.47	10.96		11.38	0.000302	2.88	1345.07	334.84	0.26
TEVERE	TEVERE	29407	3319.56	-6.31	10.96		11.28	0.000243	2.52	1430.91	200.99	0.24
TEVERE	TEVERE	29078	3316.17	-5.88	10.82		11.21	0.000266	2.81	1356.44	236.48	0.25
TEVERE	TEVERE	28929	3317.00	-5.17	10.85	2.62	11.16	0.000223	2.52	1500.20	227.96	0.23
TEVERE	TEVERE	28928.90	Bridge									
TEVERE	TEVERE	28869	3315.55	-3.72	10.80		11.10	0.000239	2.49	1512.49	222.28	0.24
TEVERE	TEVERE	28587	3313.88	-5.06	10.72		11.04	0.000220	2.52	1443.87	211.70	0.23
TEVERE	TEVERE	28180	3312.06	-5.10	10.60		10.95	0.000226	2.66	1378.13	182.81	0.23
TEVERE	TEVERE	27790	3310.29	-5.02	10.52		10.87	0.000221	2.66	1440.00	208.20	0.23
TEVERE	TEVERE	27448	3308.14	-5.65	10.42		10.78	0.000245	2.67	1345.32	195.43	0.24
TEVERE	TEVERE	27115	3307.75	-6.65	10.39		10.70	0.000268	2.61	1634.57	305.85	0.25
TEVERE	TEVERE	26889	3306.26	-4.64	10.31		10.64	0.000248	2.56	1413.74	204.16	0.24
TEVERE	TEVERE	26455	3304.23	-4.34	10.21		10.53	0.000250	2.54	1487.61	250.41	0.24
TEVERE	TEVERE	26110	3300.49	-4.75	10.01		10.43	0.000372	2.91	1243.96	205.51	0.29
TEVERE	TEVERE	25781	3299.40	-6.04	9.99		10.32	0.000253	2.55	1402.86	203.54	0.24
TEVERE	TEVERE	25614	3298.29	-6.01	9.97		10.28	0.000219	2.50	1481.36	207.27	0.23
TEVERE	TEVERE	25462	3295.44	-5.38	9.88		10.26	0.000263	2.82	1301.00	178.72	0.26
TEVERE	TEVERE	25281	3295.25	-5.13	9.87		10.20	0.000260	2.55	1395.68	210.68	0.24
TEVERE	TEVERE	24979	3294.30	-4.52	9.82		10.12	0.000244	2.42	1450.83	232.89	0.24
TEVERE	TEVERE	24643	3285.61	-4.52	9.52		10.01	0.000450	3.13	1100.02	194.00	0.32
TEVERE	TEVERE	24298	3284.26	-5.78	9.47		9.88	0.000296	2.87	1269.86	191.32	0.27
TEVERE	TEVERE	23978	3285.02	-4.67	9.48		9.79	0.000222	2.48	1472.26	241.30	0.22
TEVERE	TEVERE	23631	3280.30	-5.33	9.34		9.71	0.000285	2.73	1404.47	317.04	0.26
TEVERE	TEVERE	23243	3278.21	-5.10	9.27		9.60	0.000275	2.63	1570.04	367.58	0.25
TEVERE	TEVERE	22929	3265.10	-6.08	8.97		9.53	0.000502	3.42	1253.09	349.49	0.34
TEVERE	TEVERE	22591	3261.42	-4.90	8.89		9.32	0.000538	2.98	1314.06	363.06	0.34
TEVERE	TEVERE	22242	3254.45	-12.05	8.76		9.19	0.000262	3.05	1446.33	311.97	0.25
TEVERE	TEVERE	22194	3254.65	-9.37	8.76		9.17	0.000358	2.95	1437.80	351.78	0.28
TEVERE	TEVERE	22012	3252.17	-6.73	8.71		9.11	0.000307	2.92	1474.20	328.78	0.27
TEVERE	TEVERE	21488	3253.37	-5.49	8.71		8.91	0.000257	2.07	1938.56	437.01	0.24
TEVERE	TEVERE	21098	3247.71	-5.71	8.59		8.84	0.000216	2.44	2042.50	447.88	0.23
TEVERE	TEVERE	20707	3241.48	-6.00	8.47		8.77	0.000275	2.73	1902.08	440.86	0.25
TEVERE	TEVERE	20100	3237.26	-10.31	8.37		8.60	0.000162	2.25	1942.86	383.14	0.19
TEVERE	TEVERE	19733	3224.11	-5.46	8.14		8.55	0.000391	3.01	1458.56	344.37	0.30
TEVERE	TEVERE	19381	3224.11	-10.75	8.12		8.40	0.000237	2.52	2011.61	633.72	0.23
TEVERE	TEVERE	19020	3224.47	-6.13	8.12		8.29	0.000187	2.03	2385.88	604.80	0.21
TEVERE	TEVERE	18564	3218.98	-4.98	7.99		8.21	0.000218	2.15	1950.68	603.74	0.22
TEVERE	TEVERE	18268	3212.37	-7.20	7.83		8.15	0.000307	2.59	1581.41	425.20	0.26
TEVERE	TEVERE	17901	3207.65	-7.21	7.72		8.05	0.000242	2.62	1543.80	338.13	0.24
TEVERE	TEVERE	17552	3203.29	-9.03	7.62		7.97	0.000277	2.75	1552.88	336.34	0.25
TEVERE	TEVERE	17252	3197.18	-6.61	7.49		7.88	0.000320	2.88	1411.45	321.88	0.27
TEVERE	TEVERE	16905	3193.48	-5.86	7.40		7.77	0.000314	2.75	1476.99	362.77	0.27
TEVERE	TEVERE	16606	3186.29	-5.56	7.26		7.67	0.000369	2.95	1380.76	373.43	0.29
TEVERE	TEVERE	16303	3186.11	-8.74	7.24		7.56	0.000254	2.58	1545.01	375.98	0.24
TEVERE	TEVERE	16302.9	Lat Struct									
TEVERE	TEVERE	15934	3149.24	-6.57	7.10		7.47	0.000318	2.80	1494.04	475.04	0.27
TEVERE	TEVERE	15605	3175.07	-9.55	7.07		7.35	0.000237	2.41	1552.42	411.96	0.23
TEVERE	TEVERE	15252	3070.73	-7.18	6.97		7.29	0.000268	2.53	1440.67	380.29	0.25
TEVERE	TEVERE	15049	3041.81	-7.70	6.94		7.24	0.000234	2.52	1557.67	335.48	0.24
TEVERE	TEVERE	14725	3040.24	-10.01	6.85		7.17	0.000252	2.56	1514.25	332.53	0.24
TEVERE	TEVERE	14724.90	Lat Struct									
TEVERE	TEVERE	14431	3042.55	-7.16	6.77		7.09	0.000282	2.59	1559.13	429.48	0.25
TEVERE	TEVERE	14127	3179.40	-6.80	6.65		6.98	0.000276	2.64	1518.74	448.50	0.25
TEVERE	TEVERE	13792	3179.25	-10.36	6.56		6.90	0.000229	2.67	1429.35	219.67	0.24
TEVERE	TEVERE	13498	3178.91	-7.15	6.45		6.83	0.000290	2.76	1301.78	178.67	0.26
TEVERE	TEVERE	13158	3178.72	-7.62	6.32		6.72	0.000334	2.81	1204.36	170.93	0.28
TEVERE	TEVERE	12822	3178.65	-8.85	6.27		6.61	0.000275	2.61	1288.22	182.71	0.25
TEVERE	TEVERE	12491	3177.90	-7.78	6.11		6.52	0.000314	2.85	1208.87	159.63	0.27
TEVERE	TEVERE	12151	3177.94	-7.00	6.04		6.41	0.000302	2.72	1244.01	153.31	0.27
TEVERE	TEVERE	11828	3177.97	-5.72	5.91		6.31	0.000339	2.81	1191.71	151.13	0.28
TEVERE	TEVERE	11498	3177.99	-6.20	5.81		6.20	0.000347	2.77	1218.89	163.10	0.28
TEVERE	TEVERE	11195	3178.06	-5.59	5.71		6.09	0.000372	2.78	1292.34	207.41	0.29
TEVERE	TEVERE	10916	3178.10	-5.51	5.61		5.99	0.000380	2.77	1300.10	222.21	0.29
TEVERE	TEVERE	10621	3177.82	-7.42	5.52		5.88	0.000331	2.74	1335.83	217.39	0.28
TEVERE	TEVERE	10294	3176.65	-7.67	5.45		5.77	0.000292	2.57	1366.30	201.56	0.26
TEVERE	TEVERE	10000	3176.65	-7.11	5.29		5.68	0.000396	2.84	1312.50	238.31	0.30
TEVERE	TEVERE	9670	3176.58	-5.97	5.07		5.54	0.000550	3.18	1206.22	230.40	0.35
TEVERE	TEVERE	9358	3175.88	-10.69	5.01		5.39	0.000297	2.78	1281.76	173.37	0.26
TEVERE	TEVERE	9139	3175.98	-9.63	4.96		5.32	0.000291	2.69	1302.17	178.90	0.26
TEVERE	TEVERE	8906	3176.03	-8.63	4.83		5.25	0.000368	2.91	1195.26	176.50	0.29
TEVERE	TEVERE	8597	3176.13	-8.24	4.75		5.14	0.000360	2.79	1225.13	175.27	0.29
TEVERE	TEVERE	8301	3176.20	-10.08	4.65		5.03	0.000337	2.78	1237.94	178.00	0.28
TEVERE	TEVERE	8035	3173.88	-8.79	4.57		4.94	0.000333	2.73	1276.12	190.13	0.28
TEVERE	TEVERE	7785	3173.90	-8.39	4.42		4.85	0.000391	2.95	1143.81	154.89	0.30
TEVERE	TEVERE	7462	3173.73	-6.89	4.32		4.73	0.000386	2.88	1192.39	177.46	0.30
TEVERE	TEVERE	7461.90	Lat Struct									
TEVERE	TEVERE	7244	2516.65	-13.40	4.56		4.78	0.000177	2.12	1331.85	207.58	0.20

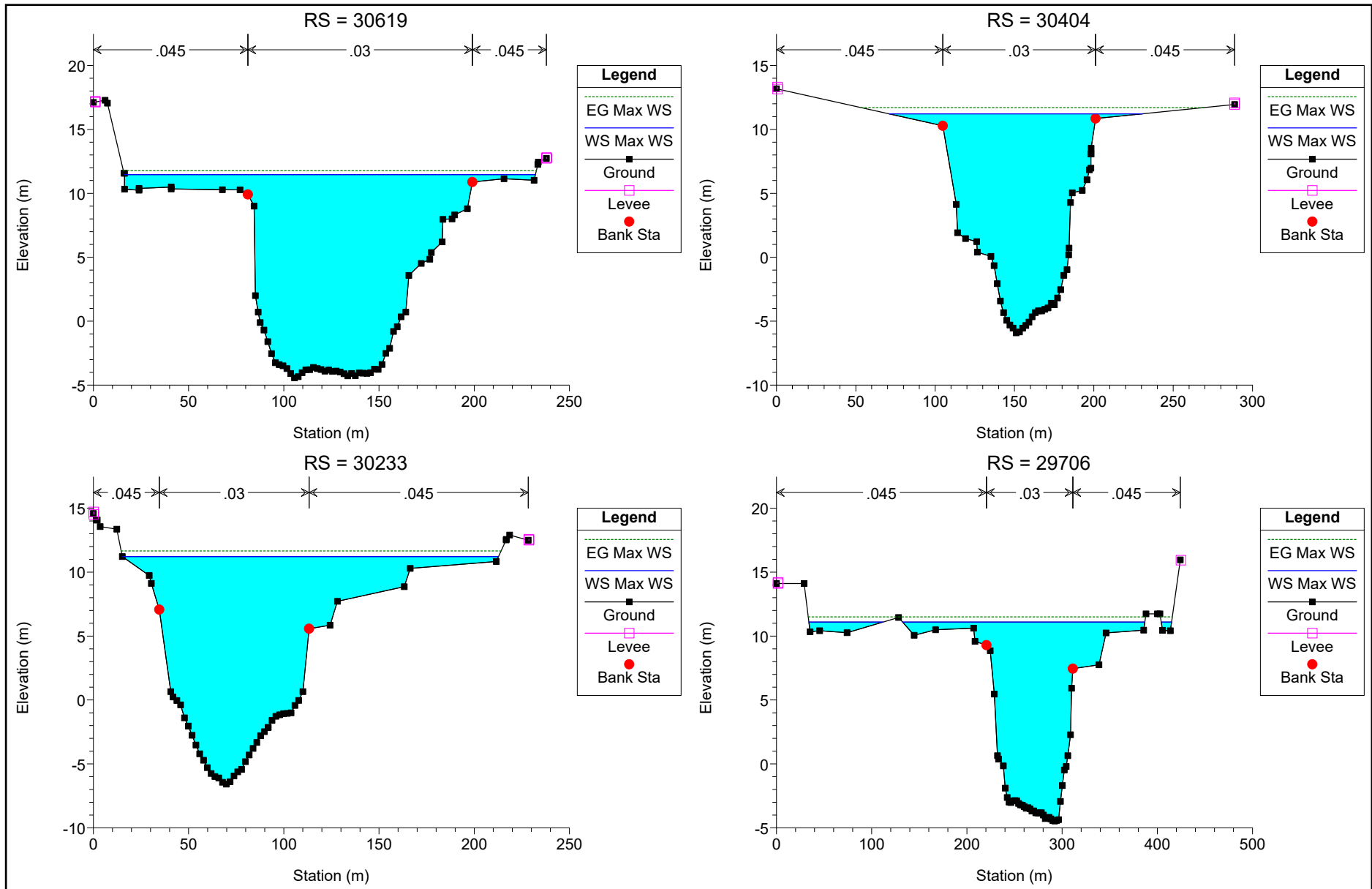


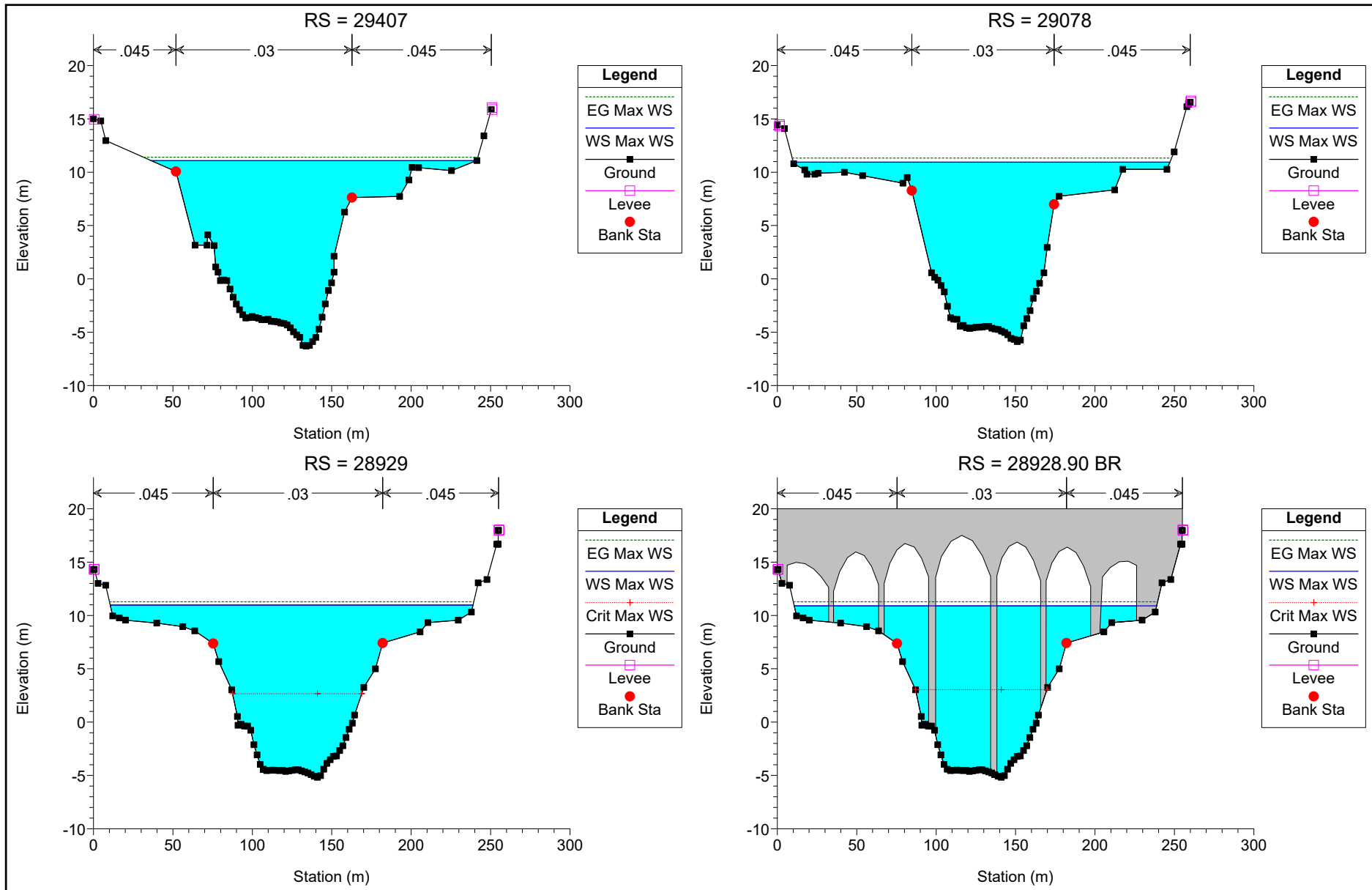
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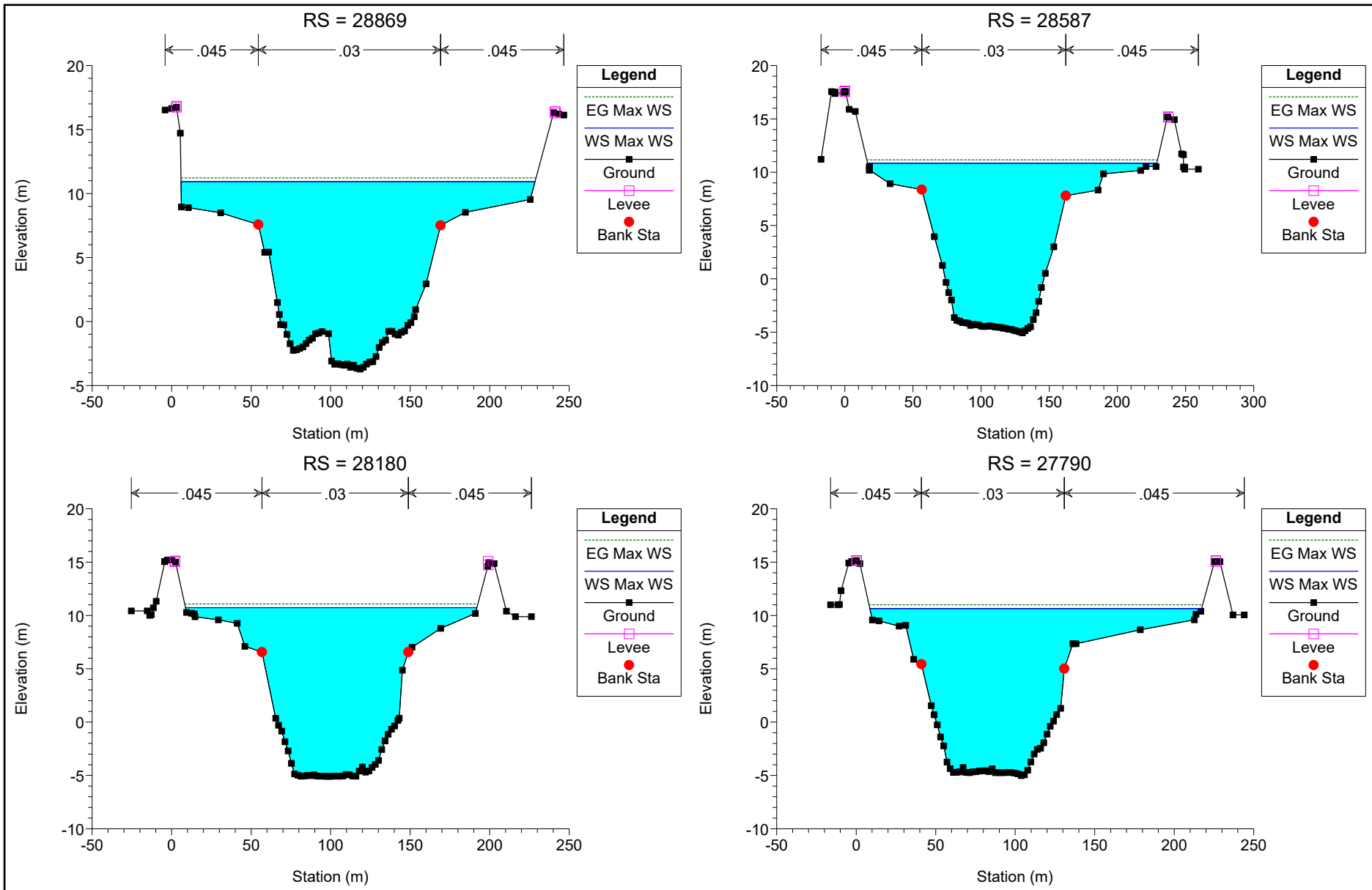


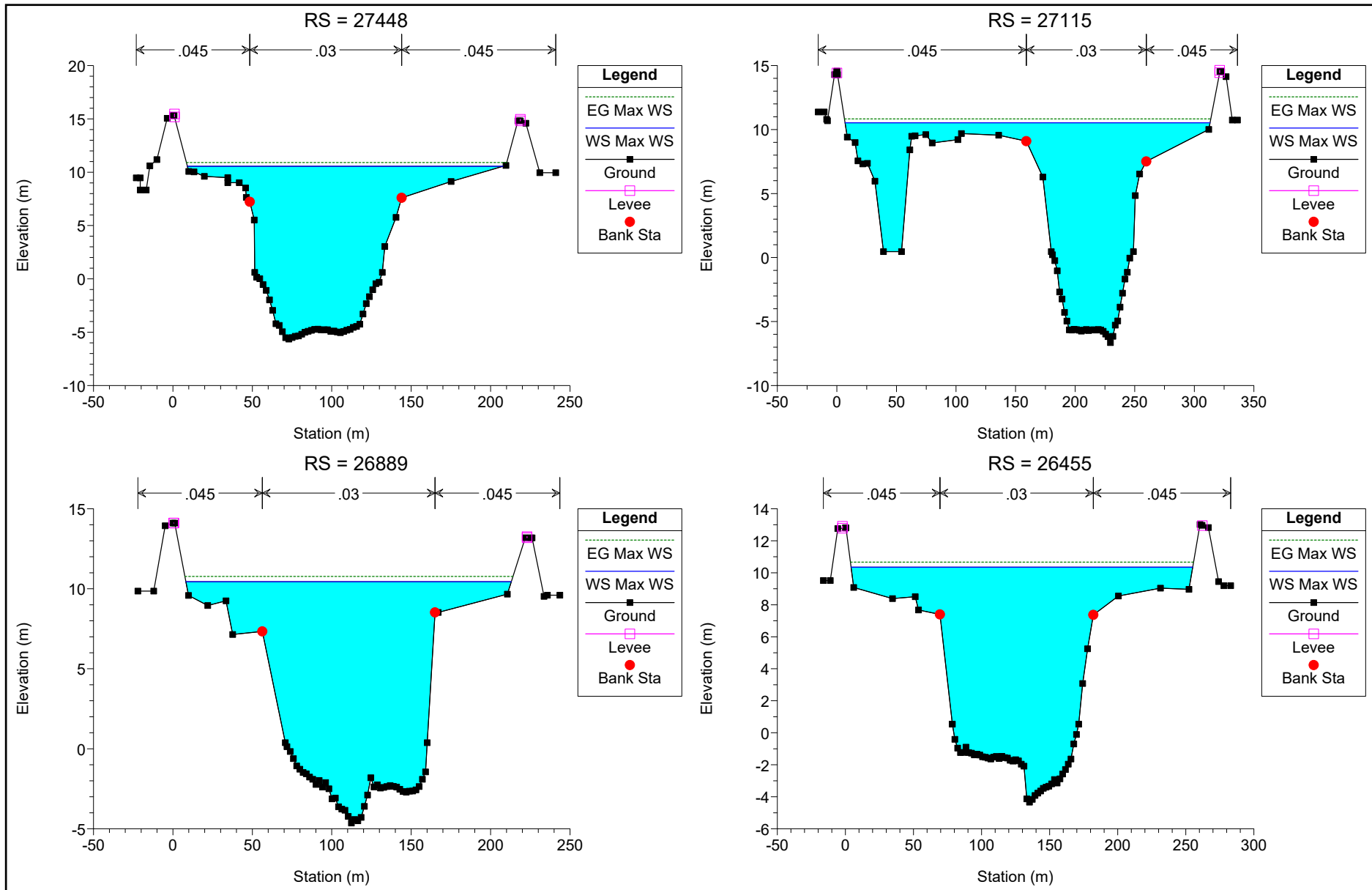


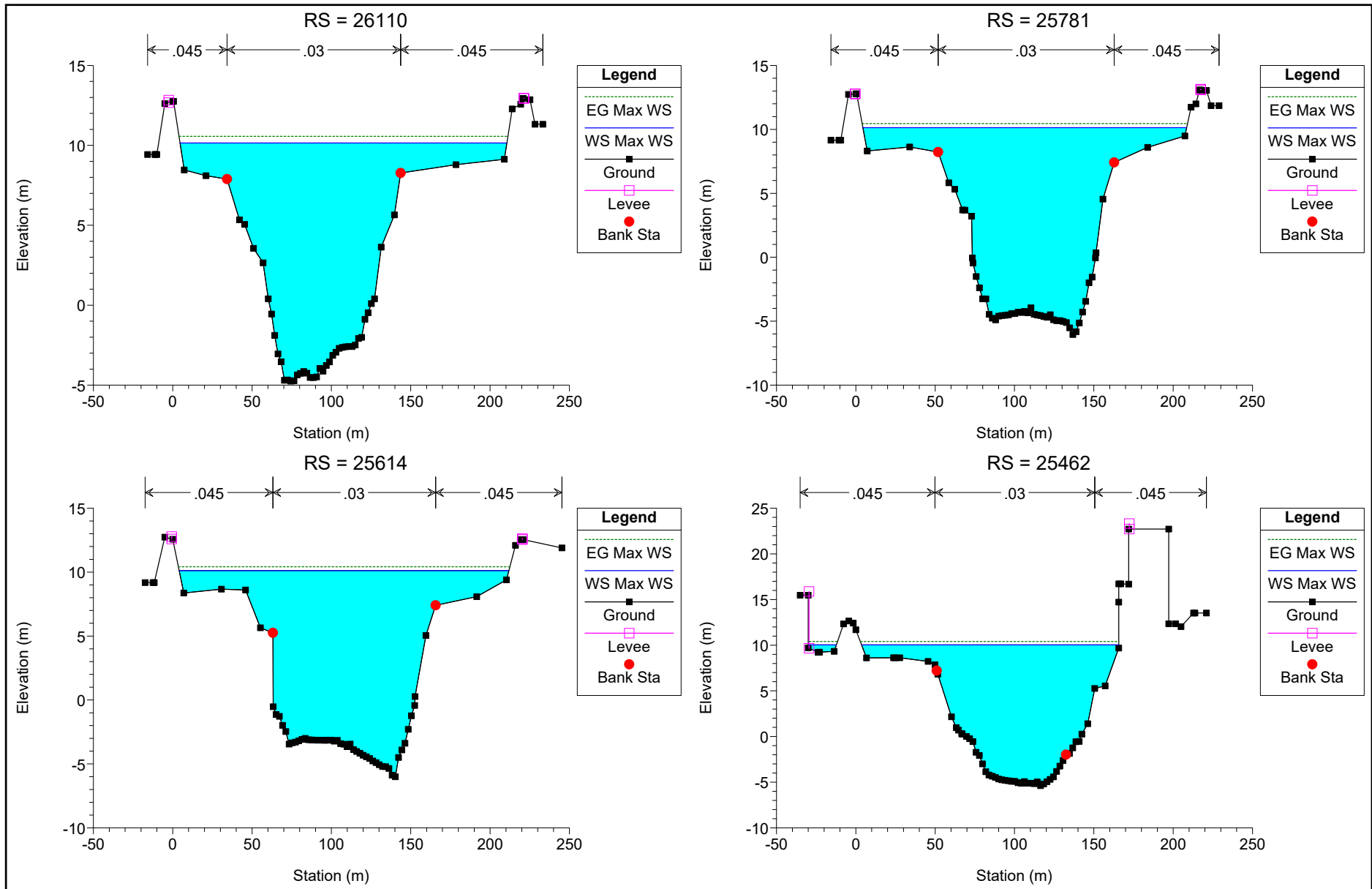


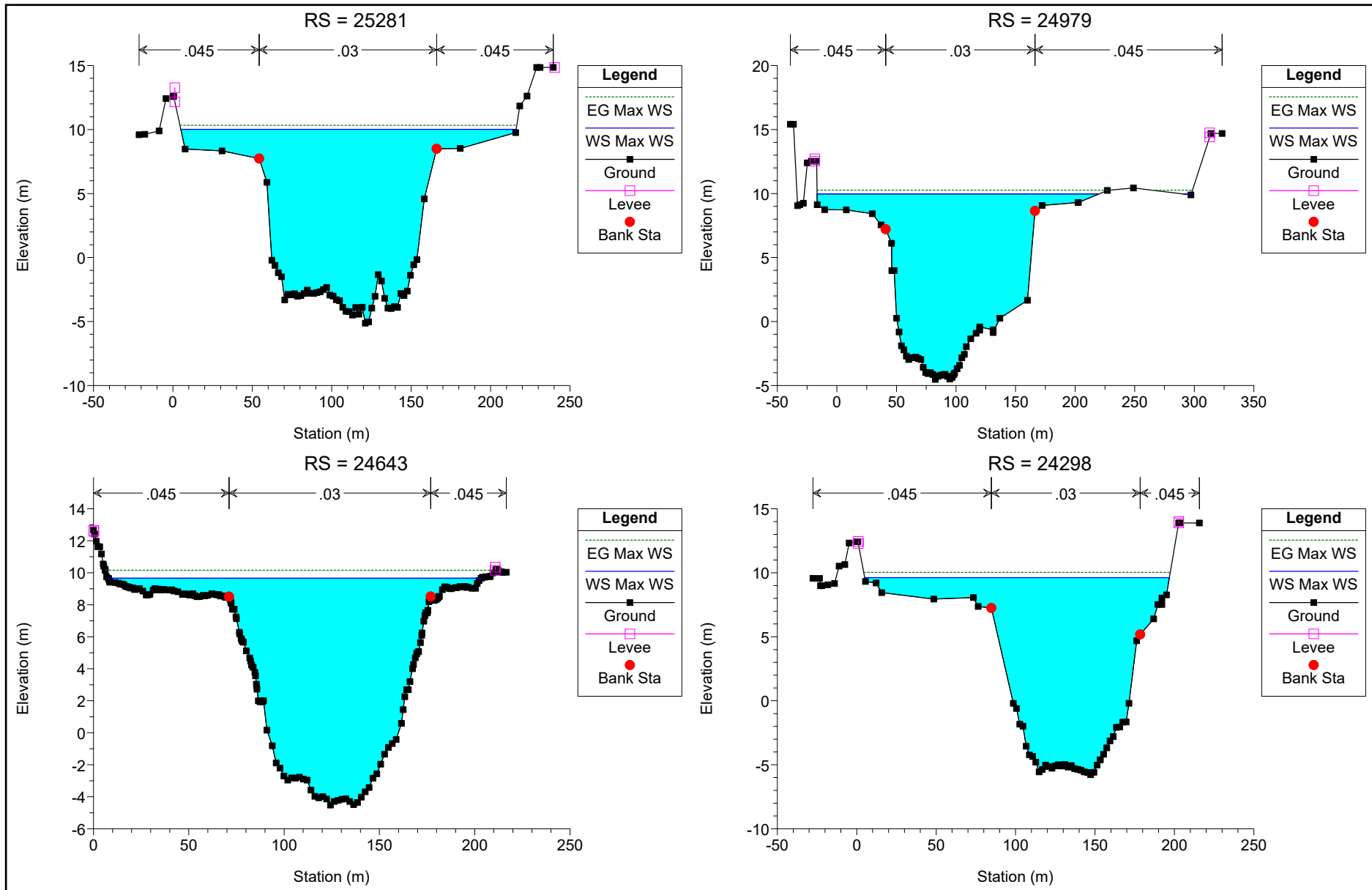


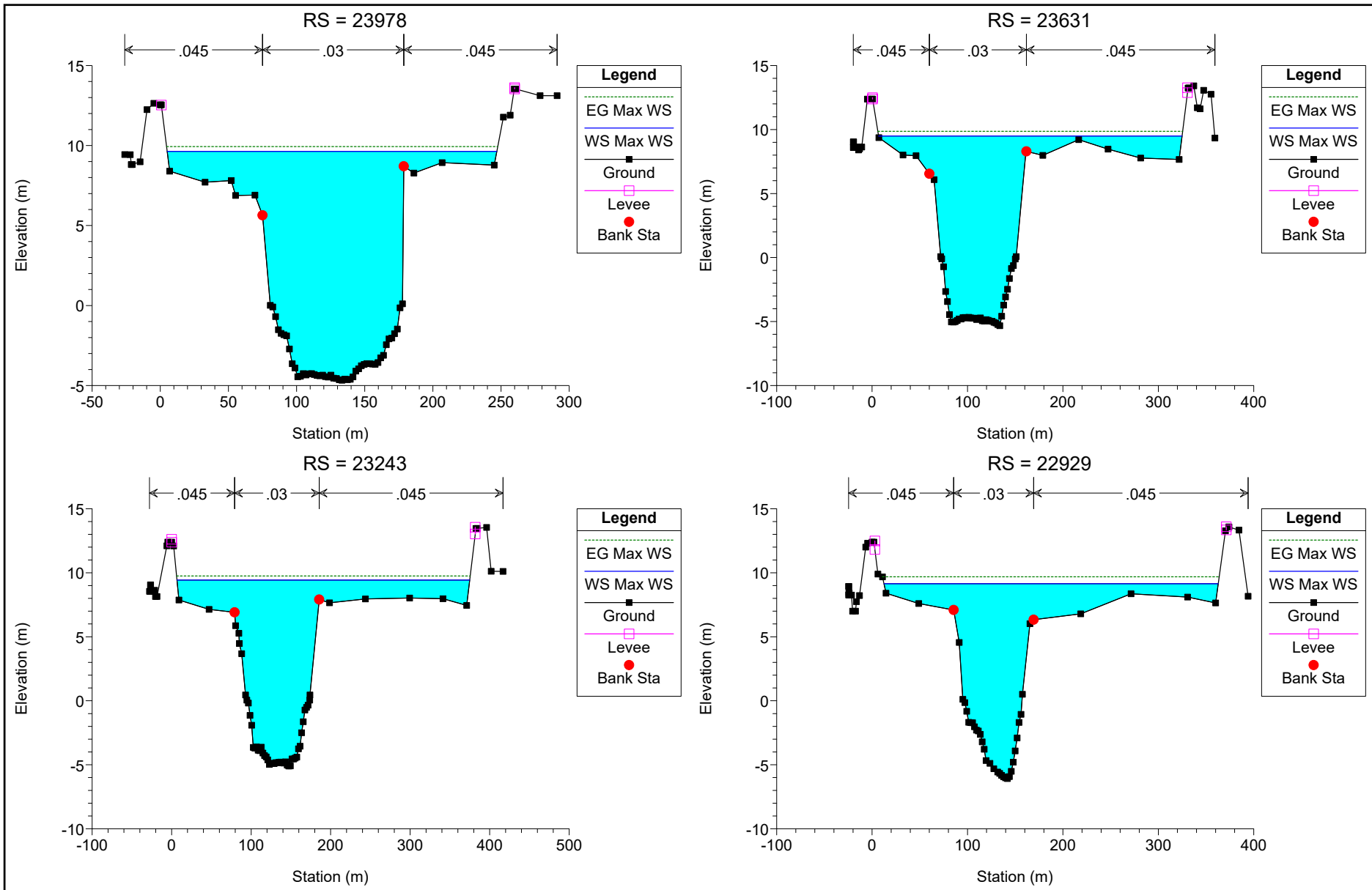


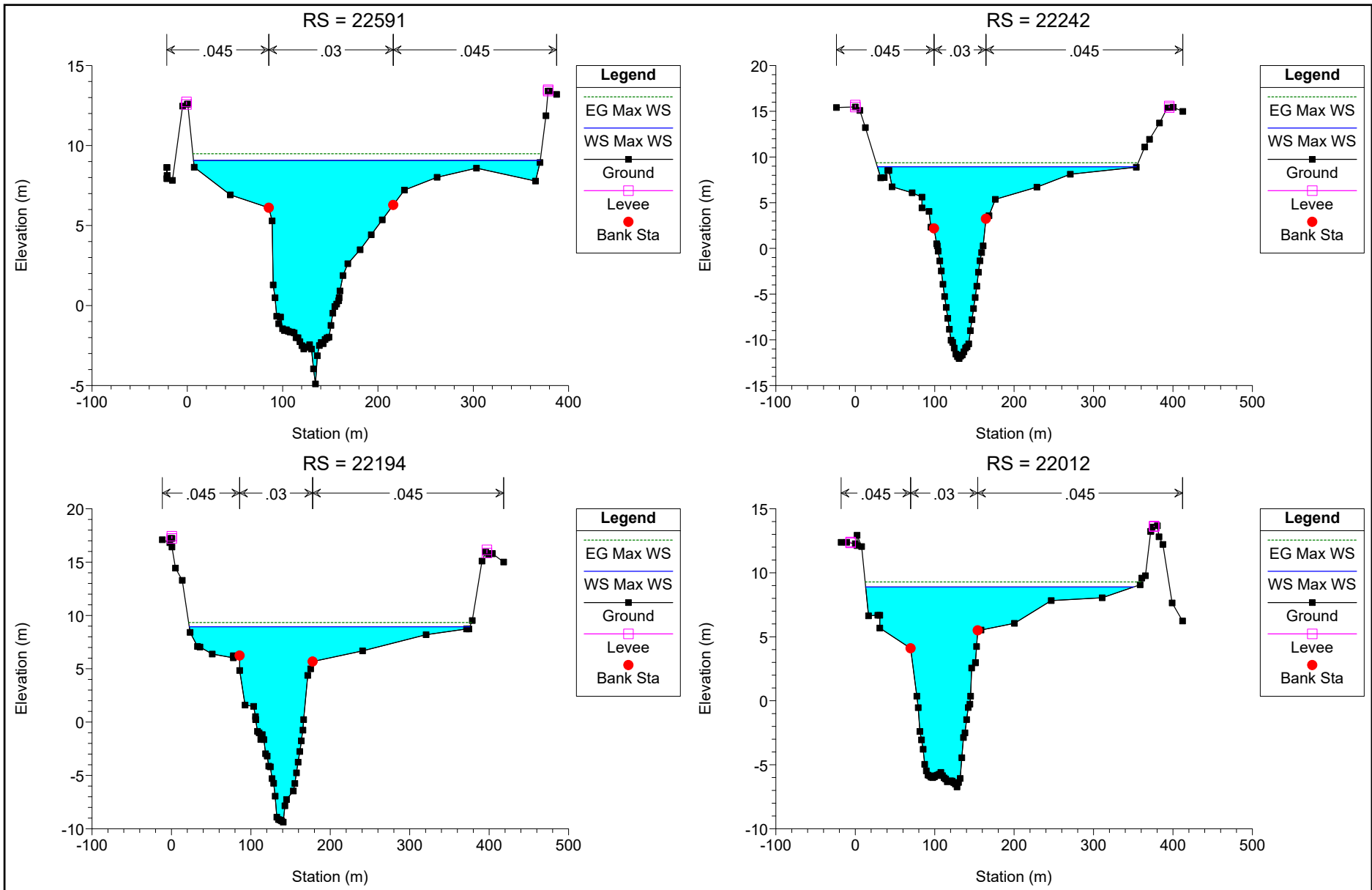


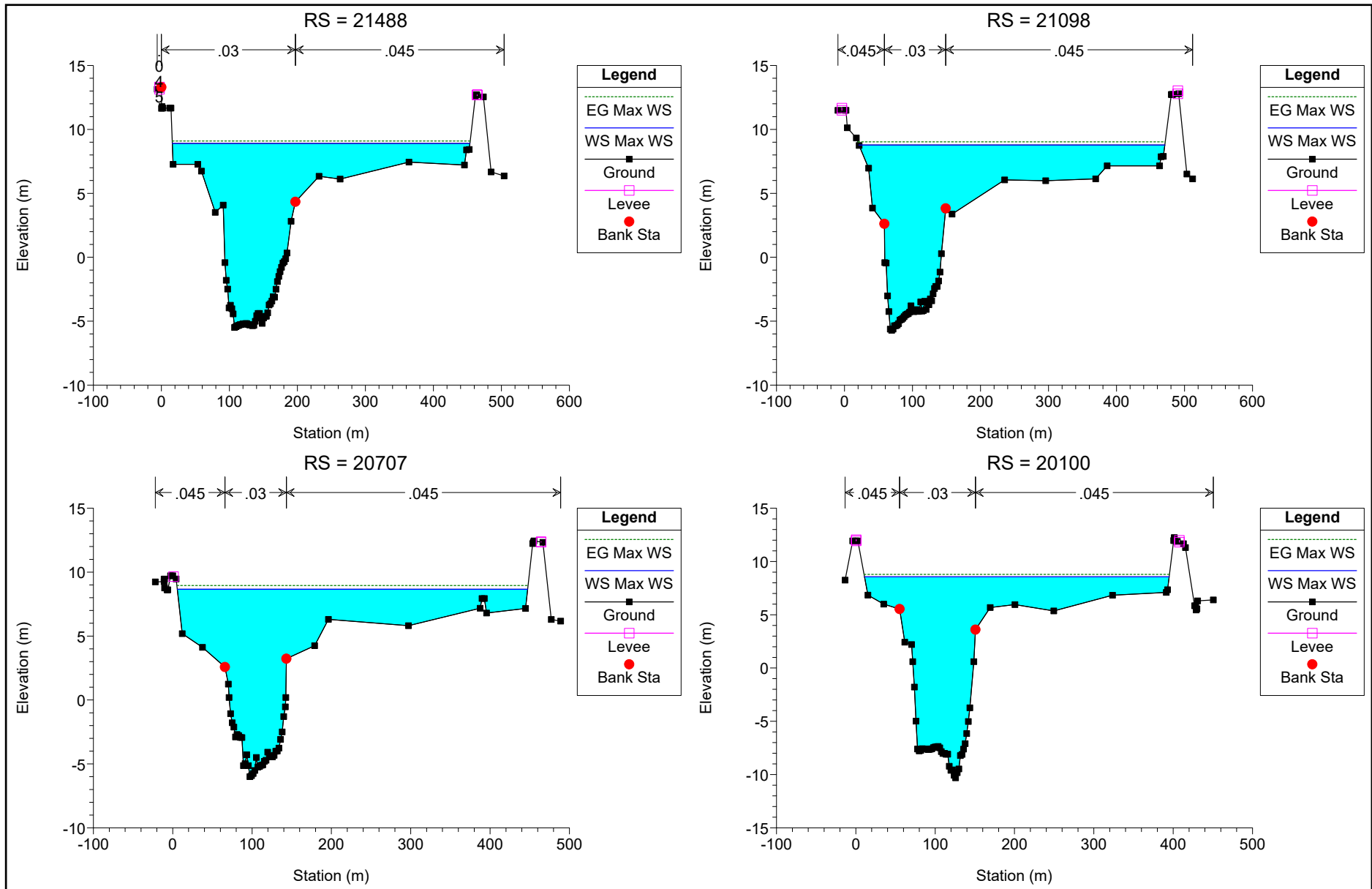


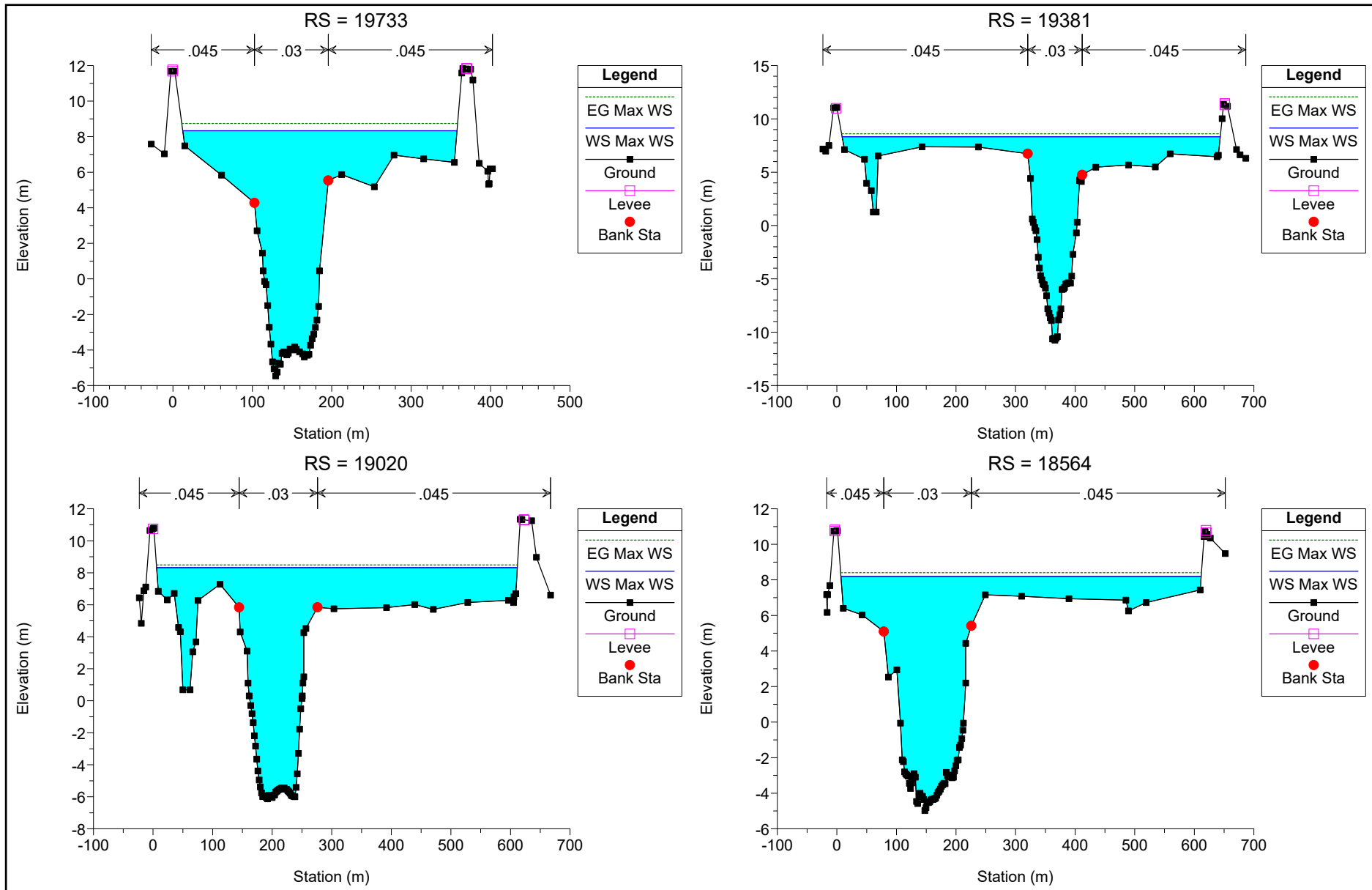




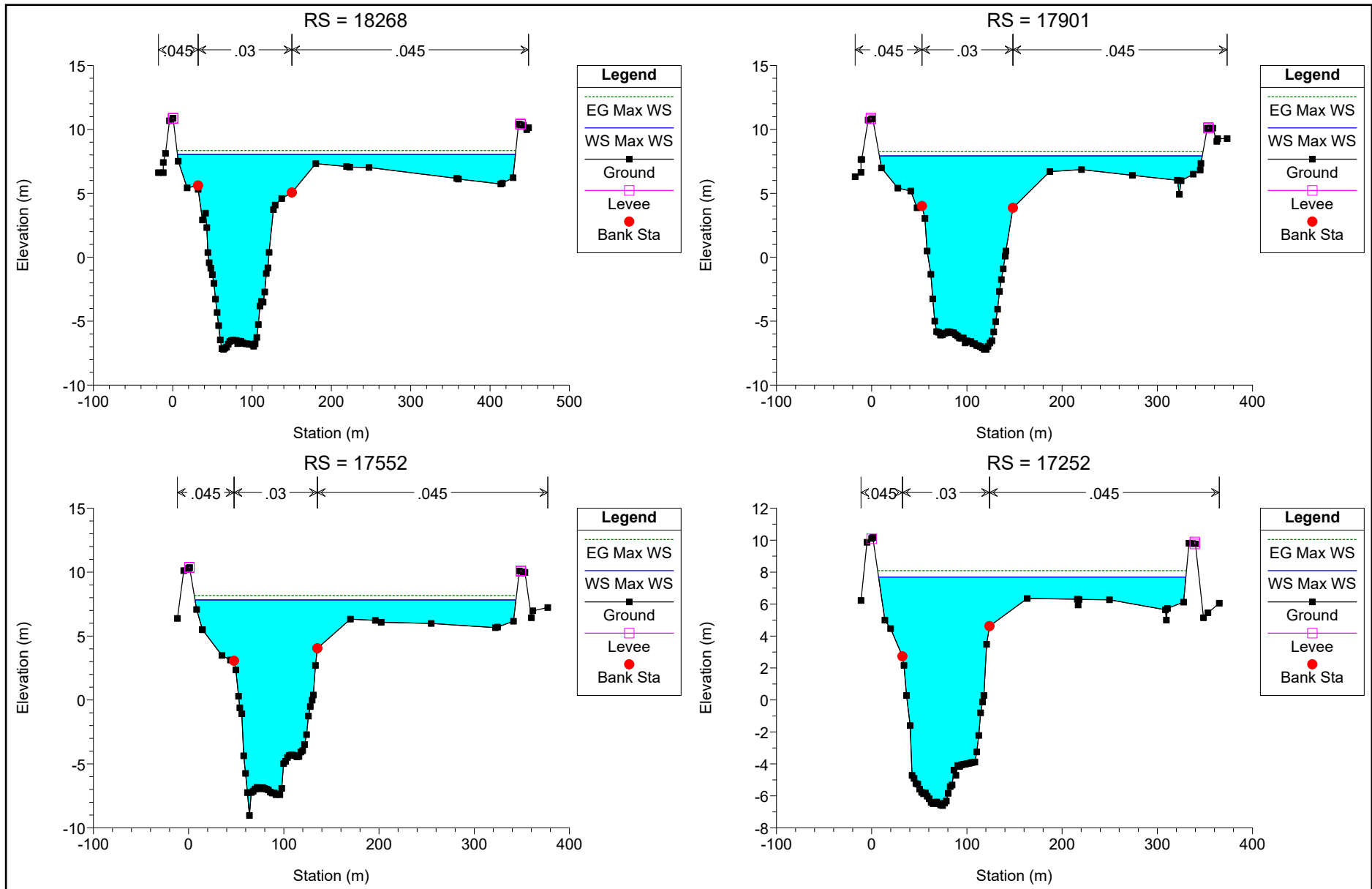


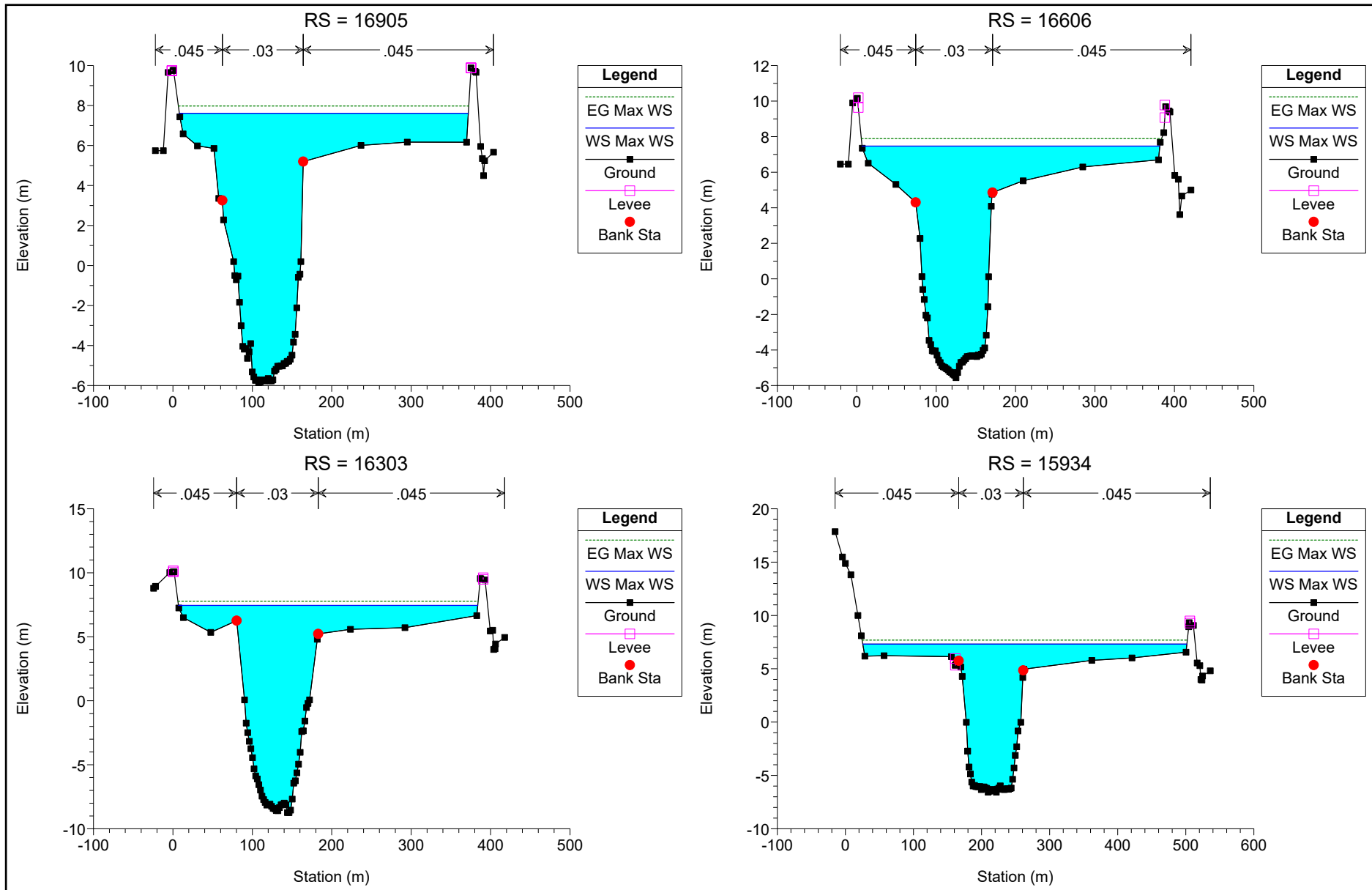


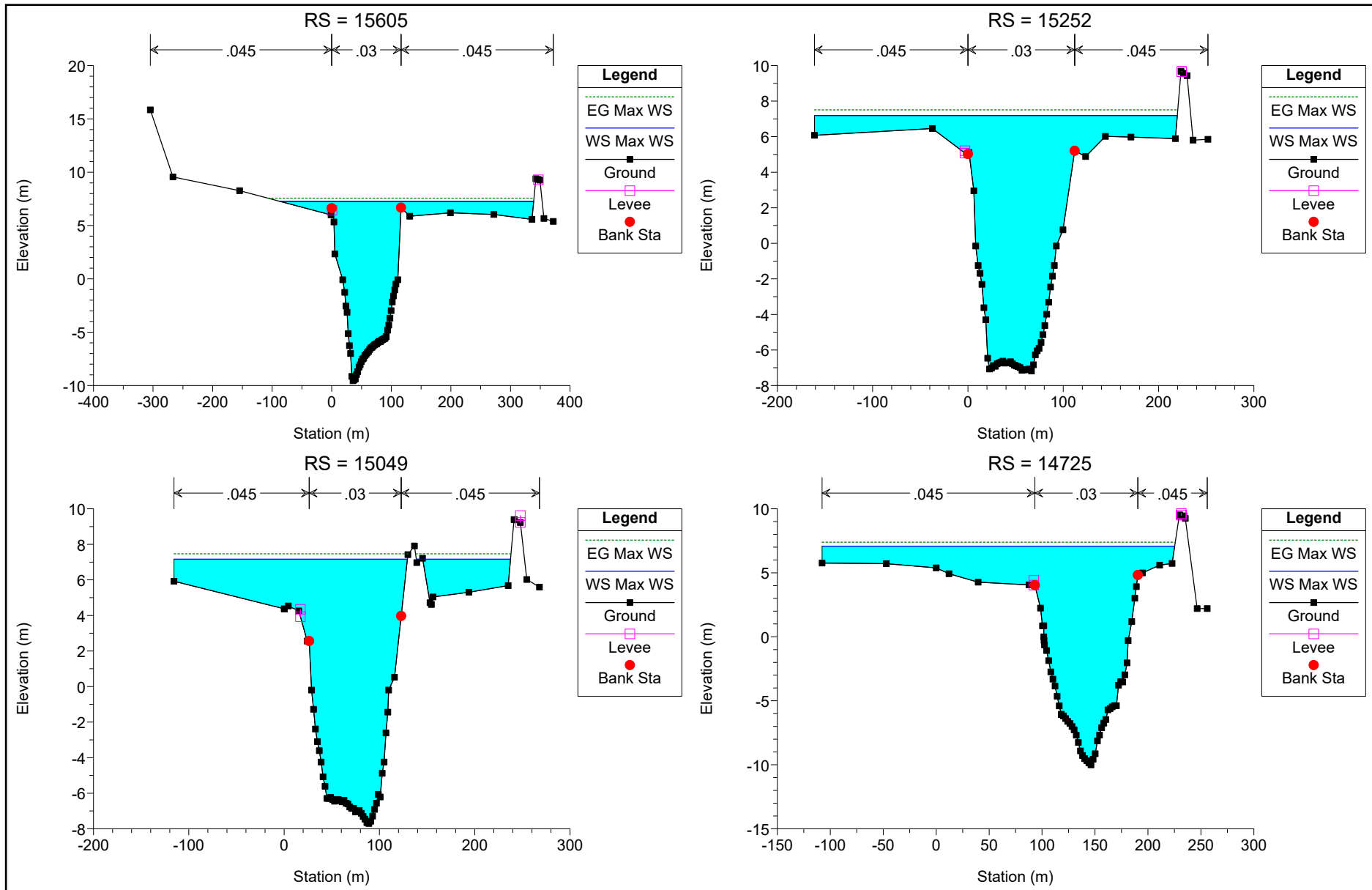


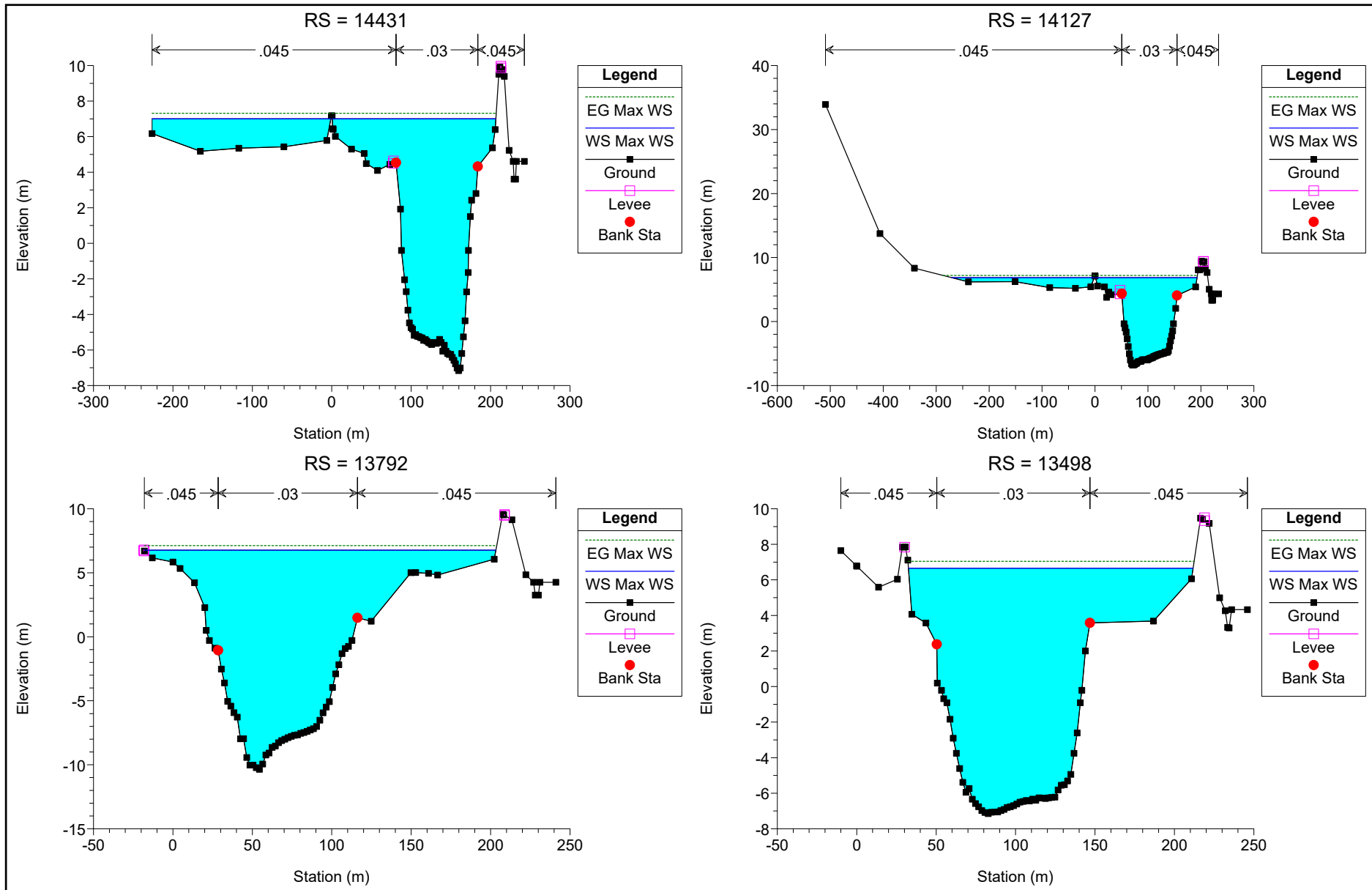


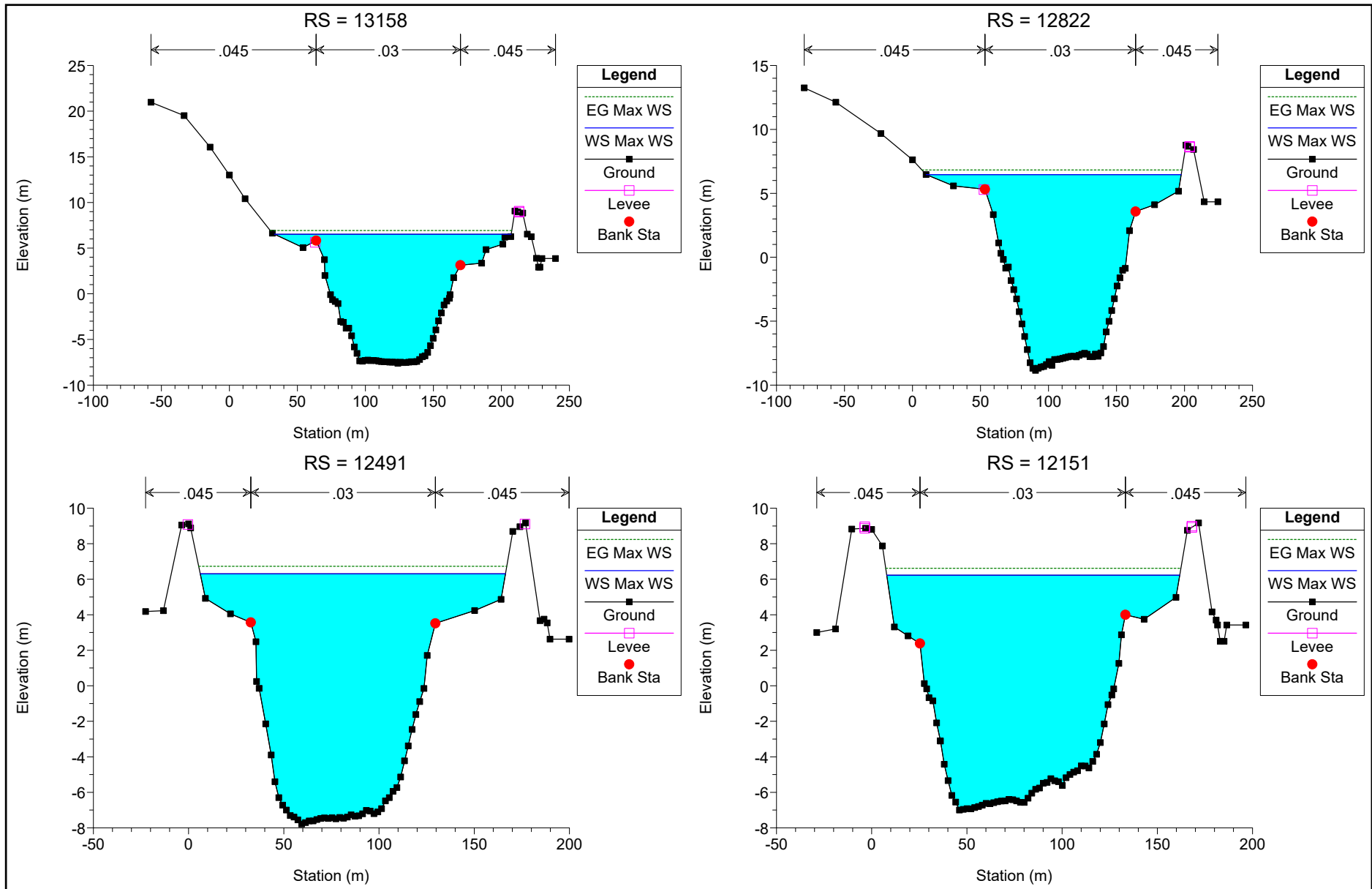


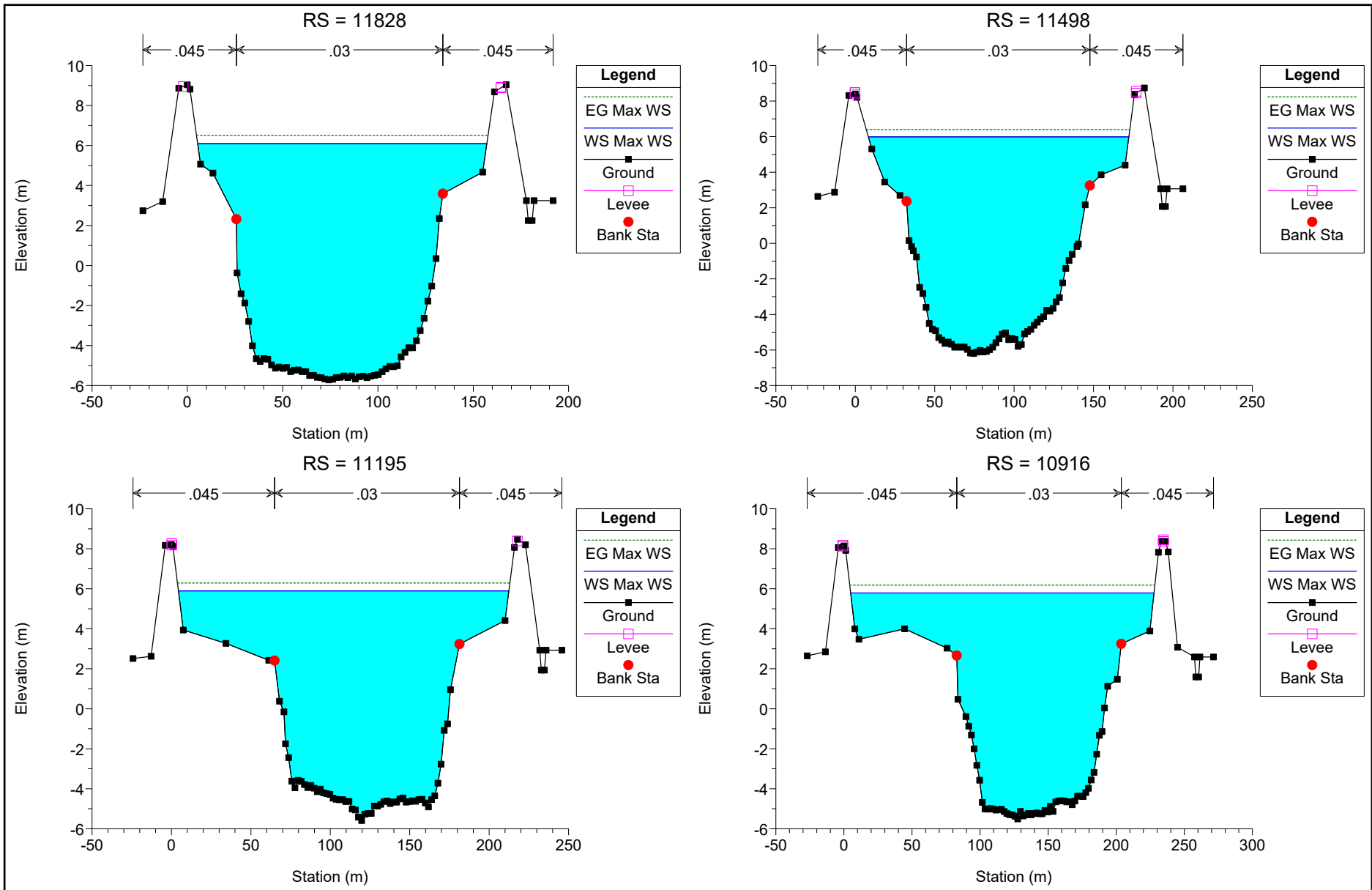


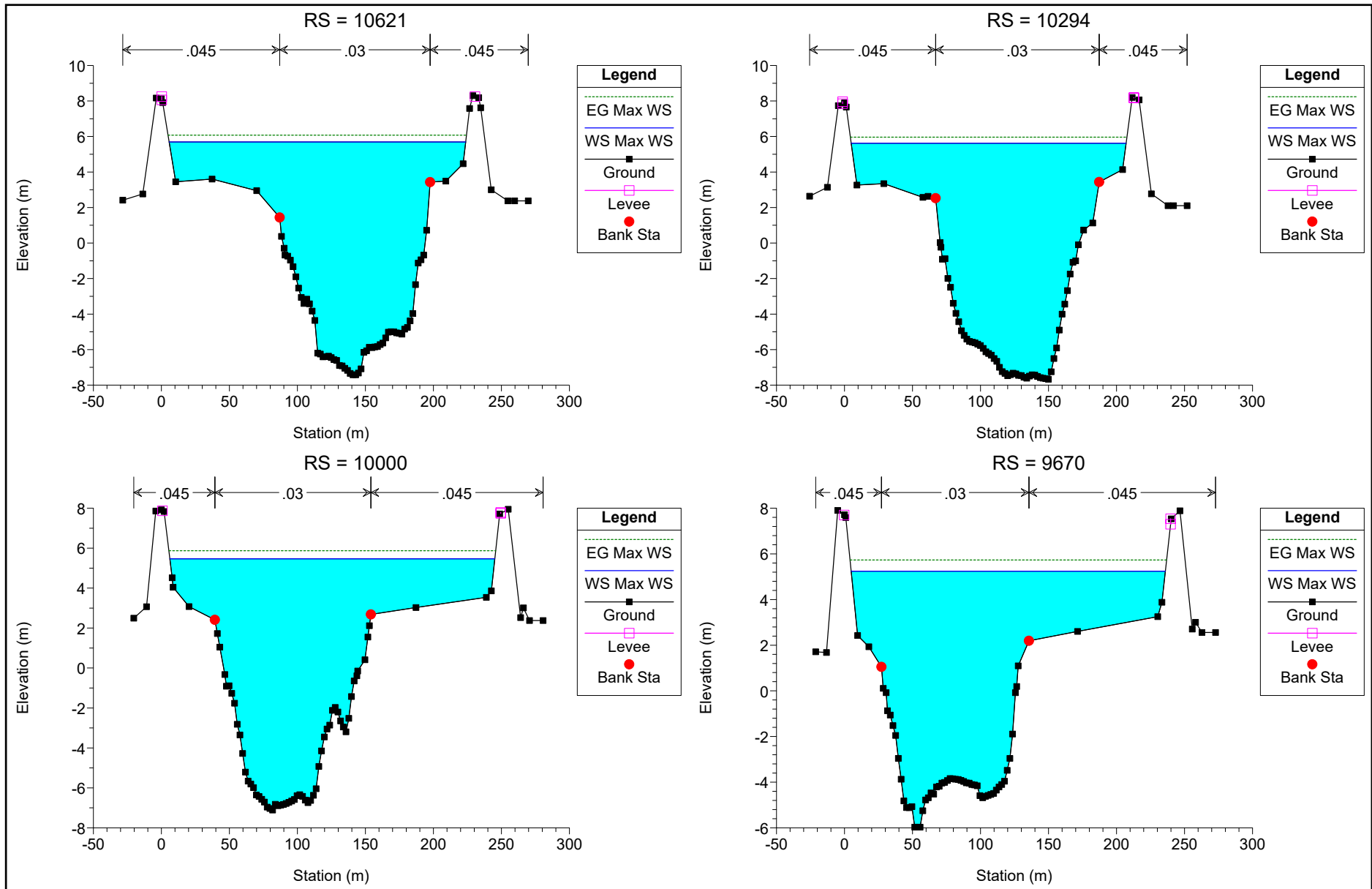


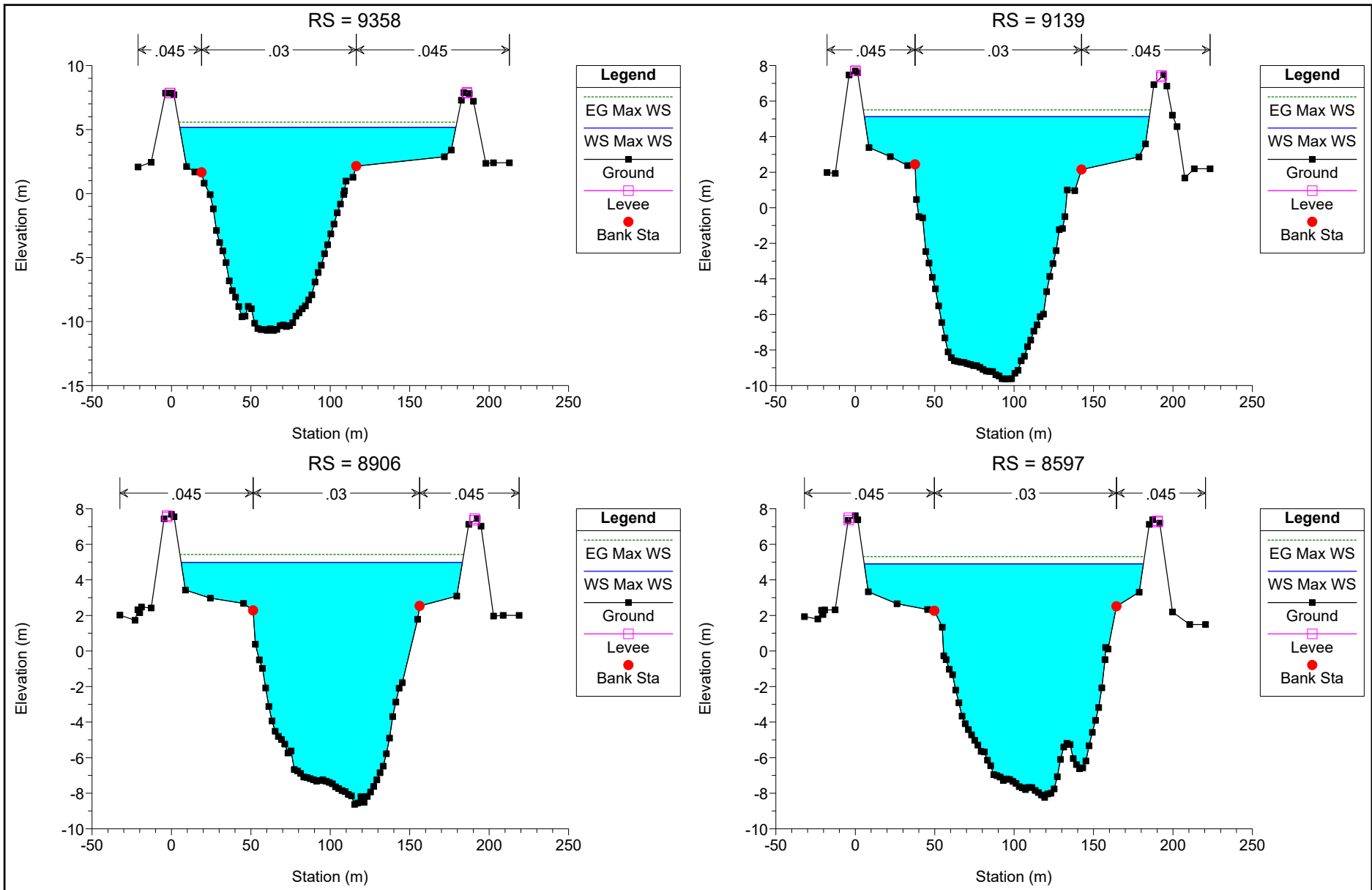




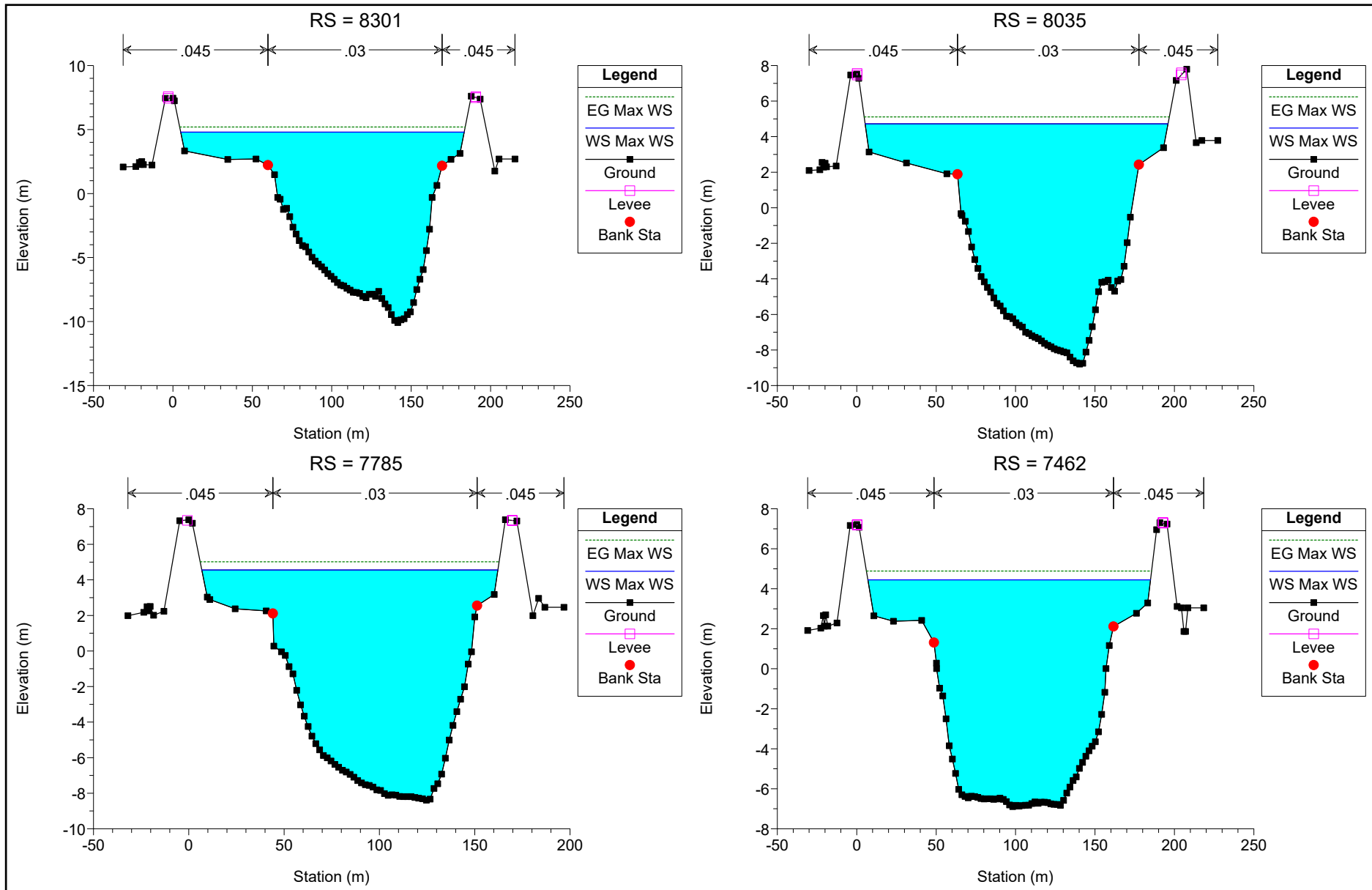


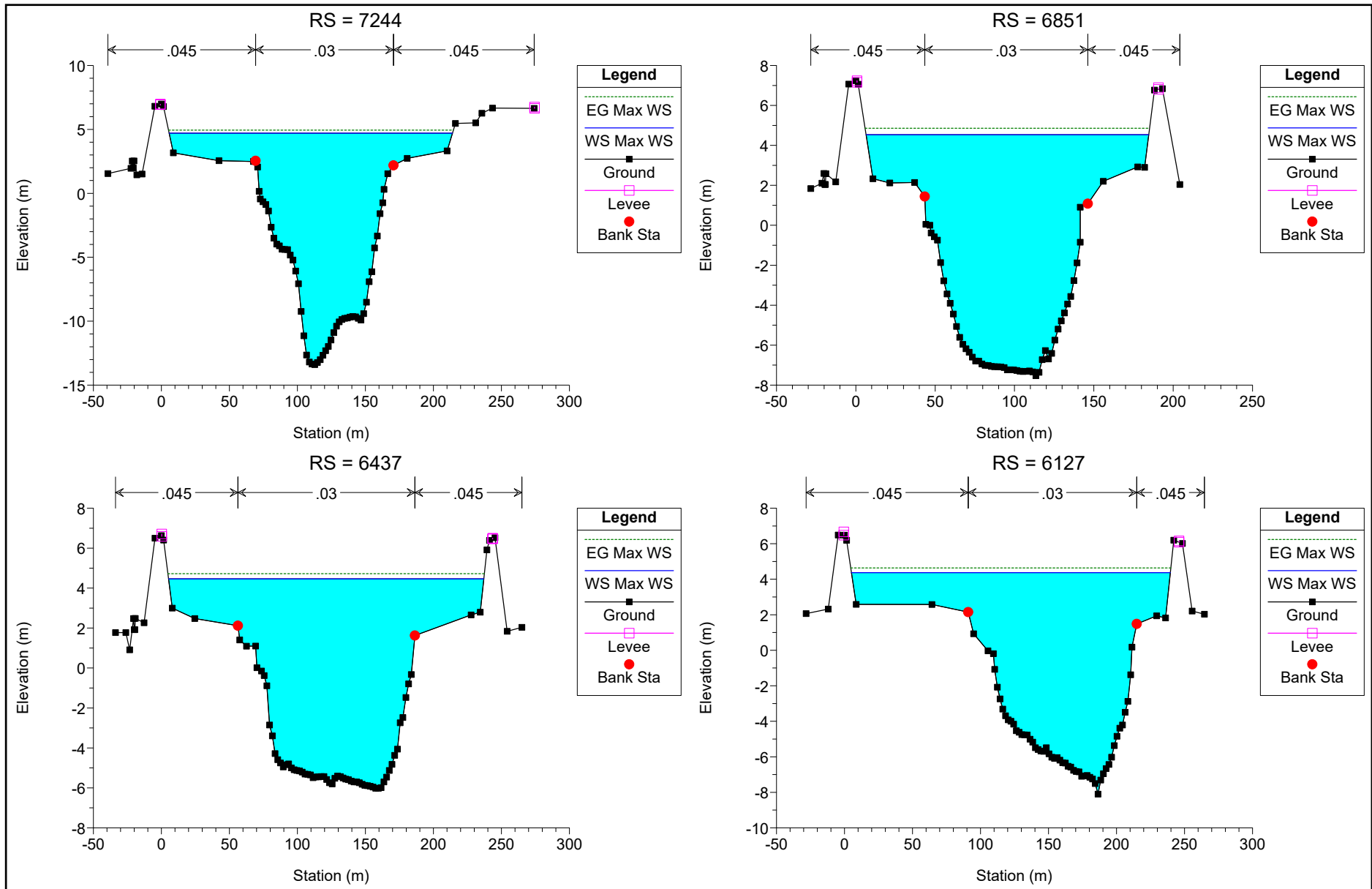


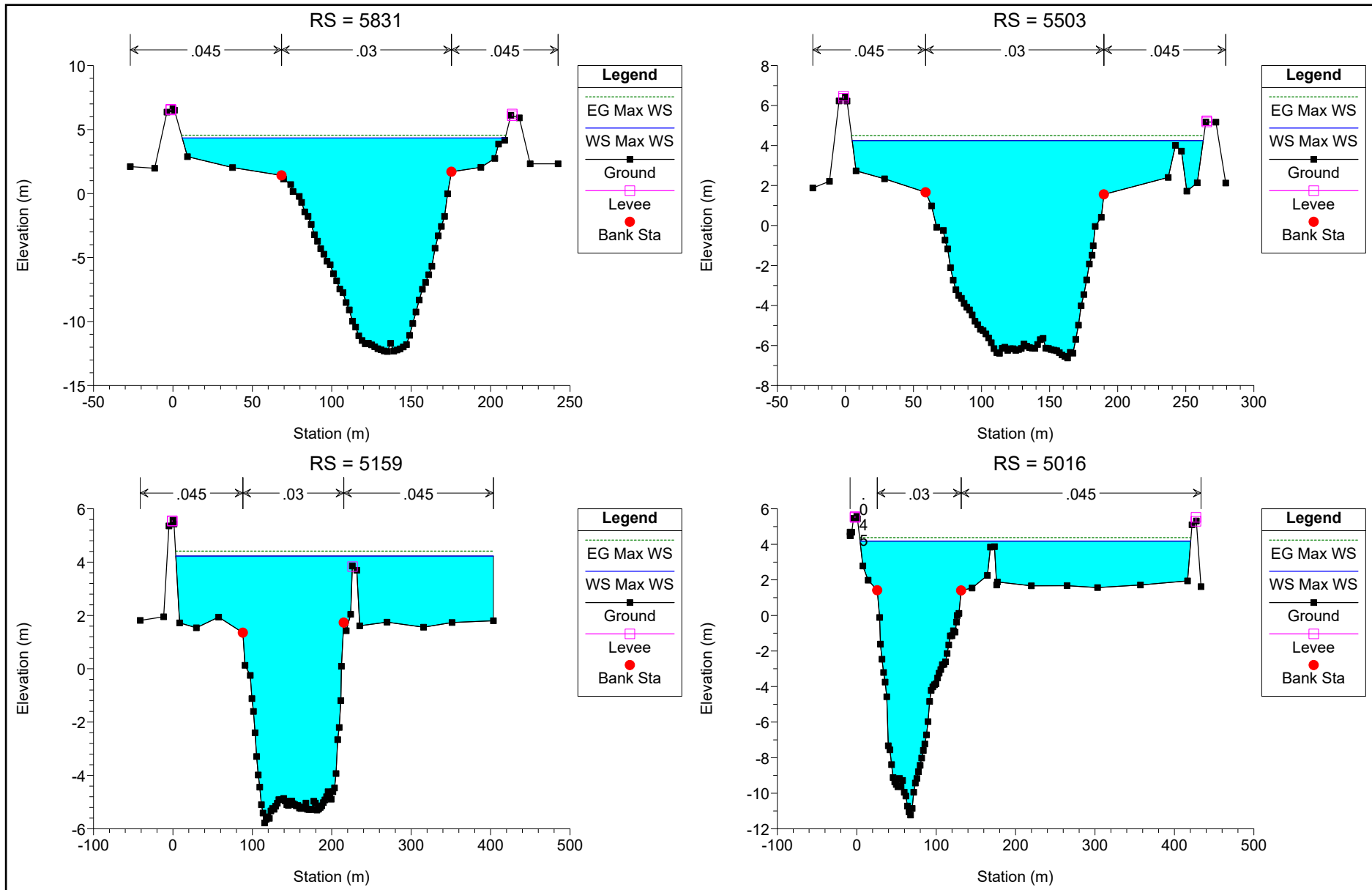


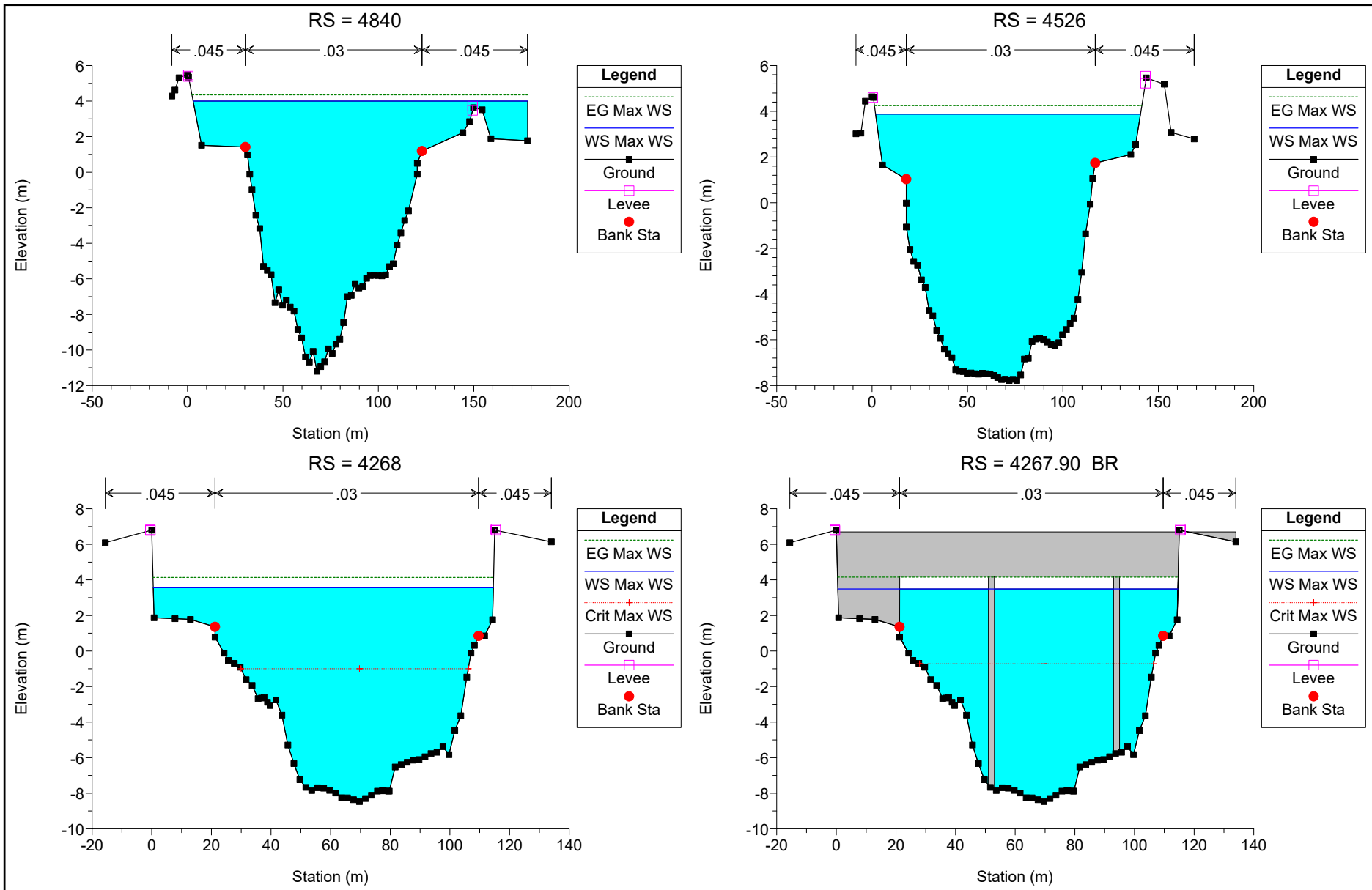


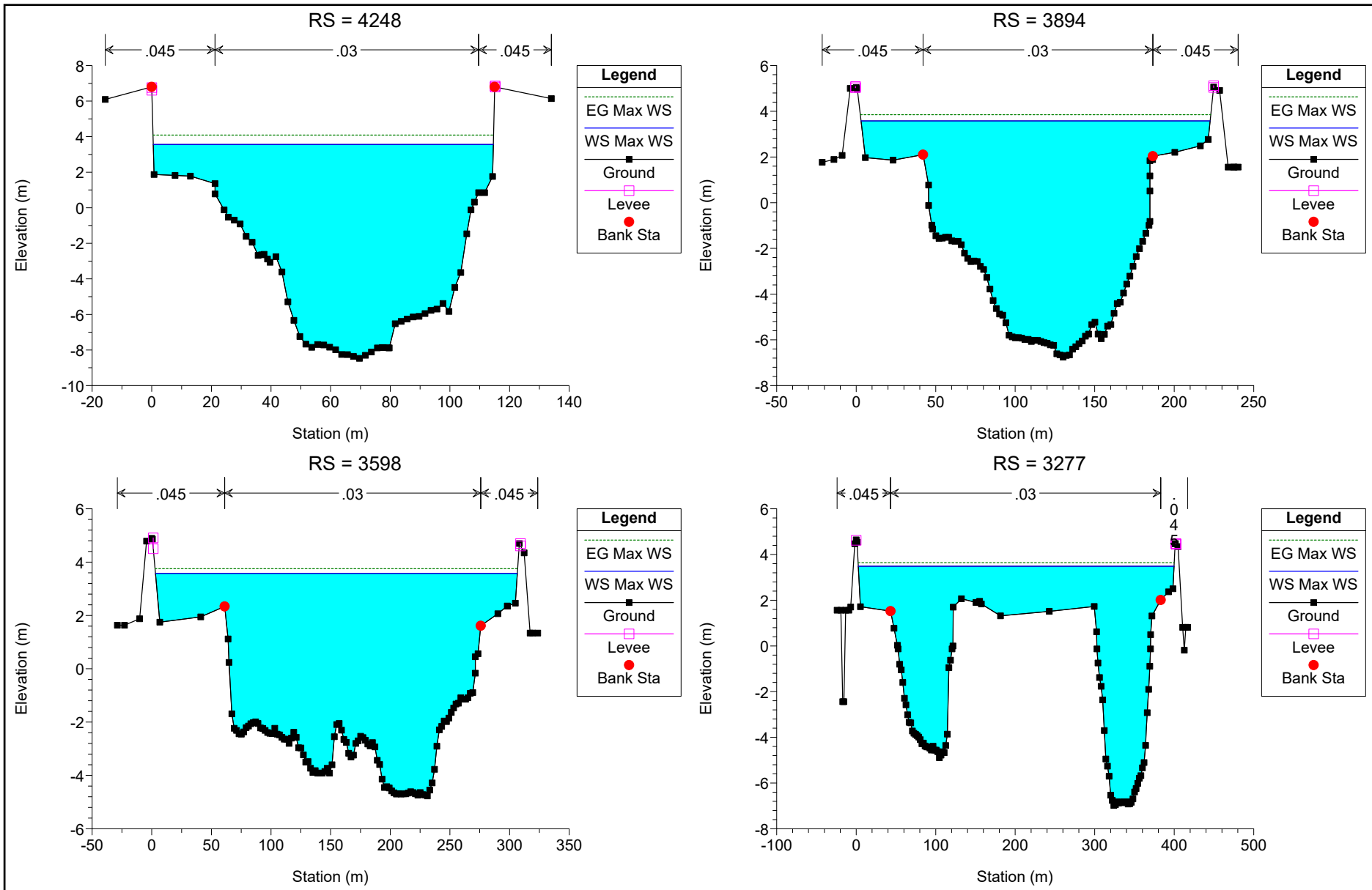


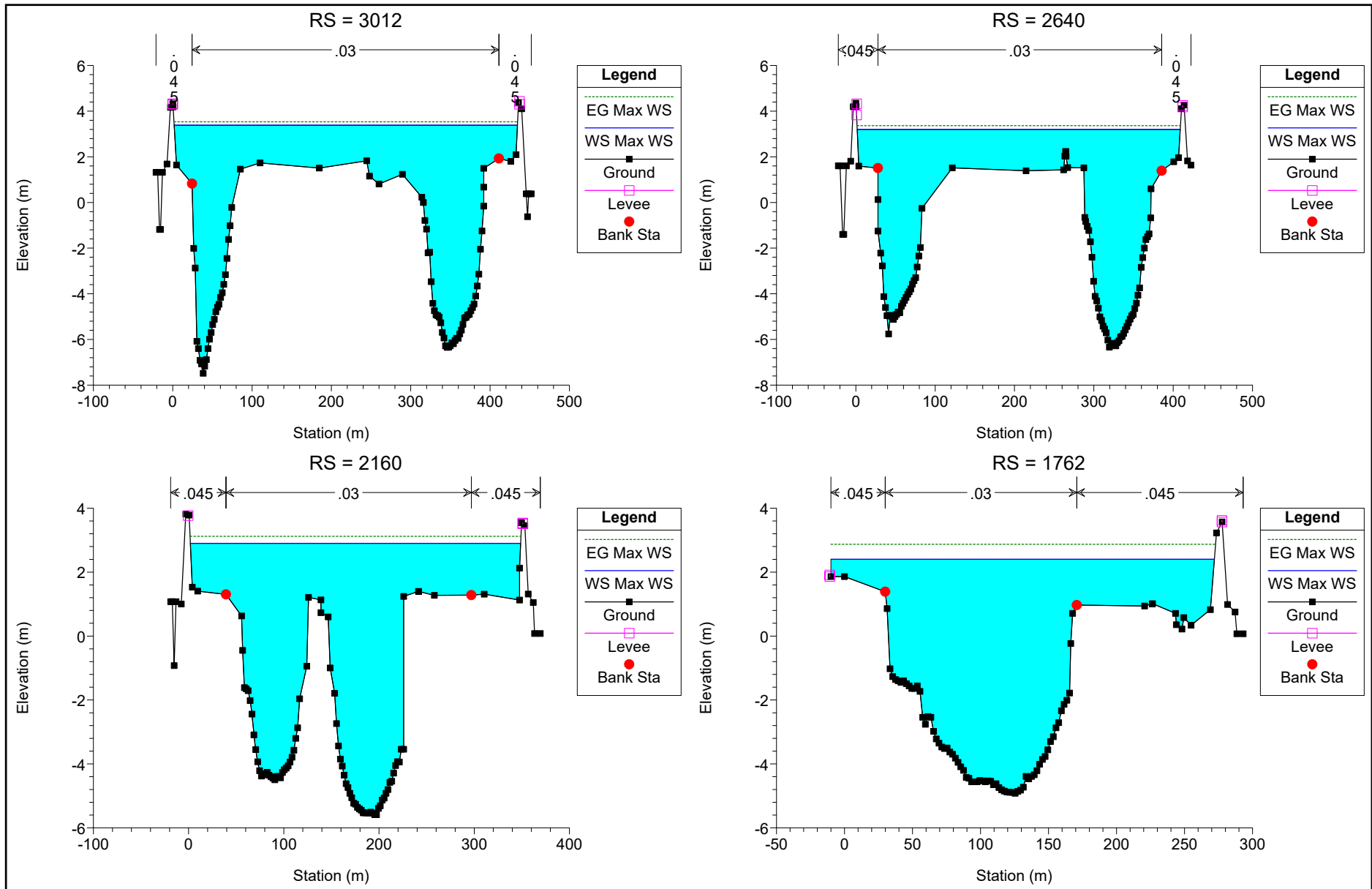


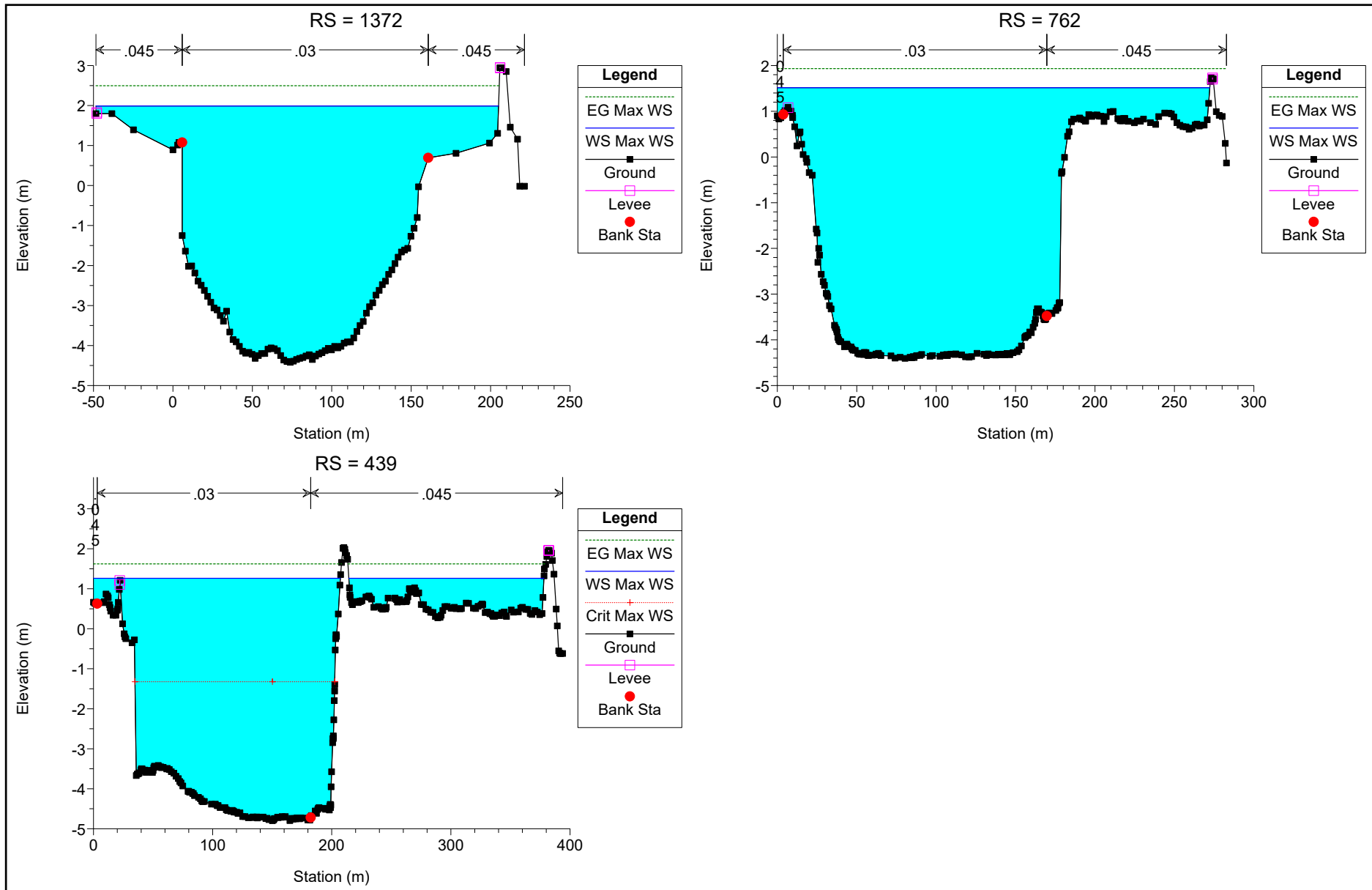












River	Reach	River Sta	Q Total (m <sup>3</sup> /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m <sup>2</sup> )	Top Width (m)	Froude # Chl
TEVERE	TEVERE	32718	3356.57	-2.73	12.07		12.44	0.000270	2.87	1533.13	220.72	0.26
TEVERE	TEVERE	32534	3356.18	-4.51	12.01		12.38	0.000299	2.78	1462.72	257.19	0.26
TEVERE	TEVERE	32370	3356.32	-2.97	12.02		12.32	0.000244	2.52	1621.64	291.62	0.24
TEVERE	TEVERE	32189	3356.13	-4.47	12.00		12.27	0.000208	2.36	1596.50	272.93	0.22
TEVERE	TEVERE	32022	3354.78	-3.57	11.78		12.23	0.000420	2.99	1196.12	235.63	0.31
TEVERE	TEVERE	31644	3354.82	-4.22	11.77		12.11	0.000232	2.70	1593.35	332.53	0.24
TEVERE	TEVERE	31307	3353.40	-4.31	11.57		12.01	0.000394	2.99	1281.77	274.56	0.30
TEVERE	TEVERE	31167	3352.98	-3.32	11.49		11.95	0.000381	3.03	1158.33	200.94	0.29
TEVERE	TEVERE	30619	3352.84	-4.43	11.46		11.77	0.000251	2.49	1423.61	215.80	0.24
TEVERE	TEVERE	30404	3351.17	-5.91	11.22		11.71	0.000401	3.09	1105.31	159.91	0.29
TEVERE	TEVERE	30233	3351.12	-6.58	11.21		11.65	0.000283	3.00	1307.97	197.54	0.26
TEVERE	TEVERE	29706	3350.38	-4.47	11.09		11.50	0.000295	2.87	1388.26	343.12	0.26
TEVERE	TEVERE	29407	3350.44	-6.31	11.09		11.40	0.000238	2.52	1455.97	204.97	0.23
TEVERE	TEVERE	29078	3349.38	-5.88	10.94		11.33	0.000260	2.80	1386.61	237.07	0.25
TEVERE	TEVERE	28929	3349.64	-5.17	10.98	2.66	11.29	0.000219	2.51	1529.06	228.35	0.23
TEVERE	TEVERE	28928.90	Bridge									
TEVERE	TEVERE	28869	3349.29	-3.72	10.93		11.23	0.000233	2.48	1540.97	222.57	0.24
TEVERE	TEVERE	28587	3348.75	-5.06	10.85		11.16	0.000216	2.52	1471.06	212.17	0.23
TEVERE	TEVERE	28180	3347.75	-5.10	10.73		11.08	0.000222	2.66	1401.78	183.23	0.23
TEVERE	TEVERE	27790	3347.28	-5.02	10.65		10.99	0.000217	2.66	1467.32	208.64	0.23
TEVERE	TEVERE	27448	3346.63	-5.65	10.56		10.91	0.000241	2.67	1371.20	198.66	0.24
TEVERE	TEVERE	27115	3346.58	-6.65	10.53		10.84	0.000260	2.59	1676.56	306.36	0.24
TEVERE	TEVERE	26889	3346.02	-4.64	10.44		10.77	0.000243	2.55	1441.30	204.86	0.24
TEVERE	TEVERE	26455	3345.32	-4.34	10.35		10.66	0.000244	2.53	1522.22	250.90	0.24
TEVERE	TEVERE	26110	3343.98	-4.75	10.15		10.57	0.000362	2.90	1273.25	205.96	0.29
TEVERE	TEVERE	25781	3343.78	-6.04	10.13		10.46	0.000248	2.55	1431.74	204.00	0.24
TEVERE	TEVERE	25614	3343.61	-6.01	10.11		10.42	0.000216	2.49	1510.71	207.80	0.22
TEVERE	TEVERE	25462	3343.00	-5.38	10.03		10.40	0.000259	2.82	1326.53	179.31	0.25
TEVERE	TEVERE	25281	3342.90	-5.13	10.01		10.34	0.000255	2.55	1425.89	211.11	0.24
TEVERE	TEVERE	24979	3342.70	-4.52	9.97		10.26	0.000239	2.42	1484.91	243.21	0.23
TEVERE	TEVERE	24643	3340.28	-4.52	9.66		10.16	0.000441	3.13	1129.12	195.76	0.32
TEVERE	TEVERE	24298	3339.96	-5.78	9.62		10.03	0.000292	2.87	1298.58	191.76	0.26
TEVERE	TEVERE	23978	3340.05	-4.67	9.63		9.94	0.000219	2.49	1508.49	241.86	0.22
TEVERE	TEVERE	23631	3339.07	-5.33	9.50		9.86	0.000279	2.73	1453.87	318.11	0.26
TEVERE	TEVERE	23243	3338.67	-5.10	9.43		9.75	0.000267	2.62	1628.90	368.15	0.25
TEVERE	TEVERE	22929	3336.41	-6.08	9.15		9.69	0.000483	3.40	1314.52	350.30	0.33
TEVERE	TEVERE	22591	3335.94	-4.90	9.07		9.49	0.000512	2.95	1379.31	363.84	0.33
TEVERE	TEVERE	22242	3335.00	-12.05	8.93		9.36	0.000261	3.06	1500.88	326.17	0.25
TEVERE	TEVERE	22194	3335.08	-9.37	8.94		9.34	0.000348	2.94	1501.29	353.12	0.28
TEVERE	TEVERE	22012	3334.73	-6.73	8.89		9.28	0.000302	2.92	1533.39	337.44	0.27
TEVERE	TEVERE	21488	3334.84	-5.49	8.89		9.09	0.000246	2.06	2017.86	437.52	0.23
TEVERE	TEVERE	21098	3334.15	-5.71	8.78		9.02	0.000209	2.43	2125.95	449.76	0.22
TEVERE	TEVERE	20707	3333.46	-6.00	8.66		8.95	0.000266	2.71	1986.53	441.54	0.25
TEVERE	TEVERE	20100	3332.90	-10.31	8.56		8.79	0.000160	2.26	2015.11	383.92	0.19
TEVERE	TEVERE	19733	3331.66	-5.46	8.33		8.74	0.000382	3.01	1526.46	345.31	0.30
TEVERE	TEVERE	19381	3331.62	-10.75	8.33		8.60	0.000229	2.50	2139.97	634.75	0.23
TEVERE	TEVERE	19020	3331.69	-6.13	8.32		8.49	0.000180	2.02	2507.07	605.50	0.20
TEVERE	TEVERE	18564	3331.14	-4.98	8.19		8.41	0.000210	2.14	2074.07	604.64	0.22
TEVERE	TEVERE	18268	3330.49	-7.20	8.04		8.35	0.000299	2.59	1669.48	425.95	0.26
TEVERE	TEVERE	17901	3325.49	-7.21	7.92		8.26	0.000241	2.64	1612.74	339.10	0.24
TEVERE	TEVERE	17552	3325.36	-9.03	7.82		8.18	0.000275	2.77	1622.16	337.12	0.25
TEVERE	TEVERE	17252	3325.05	-6.61	7.69		8.09	0.000319	2.91	1477.76	322.70	0.27
TEVERE	TEVERE	16905	3323.80	-5.86	7.61		7.98	0.000311	2.77	1552.74	363.84	0.27
TEVERE	TEVERE	16606	3322.05	-5.56	7.47		7.89	0.000365	2.97	1460.30	374.95	0.29
TEVERE	TEVERE	16303	3319.18	-8.74	7.45		7.77	0.000253	2.61	1624.18	376.81	0.24
TEVERE	TEVERE	16302.9	Lat Struct									
TEVERE	TEVERE	15934	3277.01	-6.57	7.32		7.69	0.000311	2.81	1599.84	476.02	0.27
TEVERE	TEVERE	15605	3308.19	-9.55	7.27		7.57	0.000237	2.44	1639.94	426.40	0.23
TEVERE	TEVERE	15252	3180.67	-7.18	7.19		7.51	0.000262	2.54	1524.86	380.64	0.25
TEVERE	TEVERE	15049	3141.30	-7.70	7.17		7.46	0.000229	2.52	1633.30	342.27	0.23
TEVERE	TEVERE	14725	3139.98	-10.01	7.08		7.39	0.000246	2.56	1588.79	332.93	0.24
TEVERE	TEVERE	14724.90	Lat Struct									
TEVERE	TEVERE	14431	3135.56	-7.16	7.01		7.31	0.000269	2.56	1659.06	431.02	0.25
TEVERE	TEVERE	14127	3329.94	-6.80	6.86		7.21	0.000276	2.67	1617.13	460.83	0.26
TEVERE	TEVERE	13792	3329.10	-10.36	6.76		7.12	0.000235	2.73	1474.96	221.31	0.24
TEVERE	TEVERE	13498	3328.52	-7.15	6.65		7.05	0.000297	2.83	1337.99	179.18	0.27
TEVERE	TEVERE	13158	3328.33	-7.62	6.52		6.93	0.000342	2.88	1238.42	173.98	0.28
TEVERE	TEVERE	12822	3328.11	-8.85	6.46		6.82	0.000282	2.68	1324.49	187.44	0.26
TEVERE	TEVERE	12491	3327.94	-7.78	6.30		6.73	0.000324	2.92	1239.24	160.31	0.28
TEVERE	TEVERE	12151	3327.79	-7.00	6.23		6.62	0.000312	2.79	1272.85	153.87	0.27
TEVERE	TEVERE	11828	3327.67	-5.72	6.09		6.51	0.000349	2.88	1219.40	151.68	0.28
TEVERE	TEVERE	11498	3327.56	-6.20	5.99		6.40	0.000357	2.84	1248.49	163.94	0.29
TEVERE	TEVERE	11195	3327.45	-5.59	5.90		6.29	0.000378	2.84	1330.26	207.99	0.29
TEVERE	TEVERE	10916	3327.38	-5.51	5.79		6.18	0.000386	2.83	1340.52	222.81	0.30
TEVERE	TEVERE	10621	3327.21	-7.42	5.70		6.07	0.000339	2.80	1374.71	218.04	0.28
TEVERE	TEVERE	10294	3327.20	-7.67	5.62		5.96	0.000301	2.64	1401.67	202.18	0.27
TEVERE	TEVERE	10000	3327.26	-7.11	5.47		5.87	0.000403	2.90	1354.17	238.90	0.30
TEVERE	TEVERE	9670	3327.15	-5.97	5.24		5.73	0.000556	3.24	1245.95	231.01	0.35
TEVERE	TEVERE	9358	3327.15	-10.69	5.17		5.58	0.000308	2.86	1310.18	173.87	0.27
TEVERE	TEVERE	9139	3326.99	-9.63	5.13		5.51	0.000303	2.77	1331.22	179.44	0.27
TEVERE	TEVERE	8906	3326.93	-8.63	4.99		5.43	0.000381	2.99	1222.90	177.06	0.30
TEVERE	TEVERE	8597	3326.90	-8.24	4.90		5.31	0.000373	2.87	1251.99	175.77	0.29
TEVERE	TEVERE	8301	3326.86	-10.08	4.79		5.20	0.000351	2.86	1264.40	178.48	0.28
TEVERE	TEVERE	8035	3326.80	-8.79	4.72		5.11	0.000347	2.81	1303.97	190.66	0.28
TEVERE	TEVERE	7785	3326.75	-8.39	4.55		5.02	0.000409	3.04	1164.99	155.34	0.31
TEVERE	TEVERE	7462	3326.05	-6.89	4.45		4.89	0.000403	2.97	1216.01	177.94	0.30
TEVERE	TEVERE	7461.90	Lat Struct									
TEVERE	TEVERE	7244	2634.41	-13.40	4.71		4.94	0.000185	2.18	1362.84	208.30	0.21





SIMULAZIONE M4B

