

COMUNE DI BARBERINO VAL D'ELSA
PROVINCIA DI FIRENZE



PIANO STRUTTURALE Variante generale

Variante n.3 al Piano Strutturale approvato con D.C.C. n° 54 del 01/06/2005

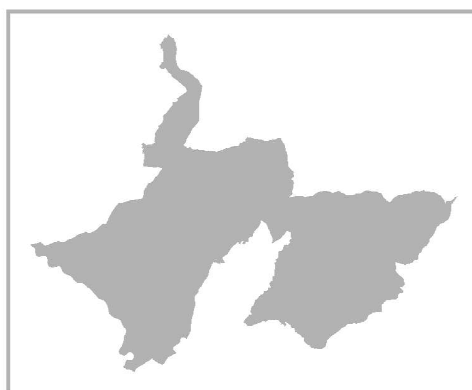
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ALLEGATO IDRAULICO INTEGRATIVO
NUOVI SCENARI STATO ATTUALE

IR 06

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(Tutti i risultati si riferiscono ai tempi di ritorno pari a 30, 100, 200 e 500 anni, ad eccezione dei corsi d'acqua di cui è stata aggiunta solo la modellazione per TR500, opportunamente indicata)

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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
POGGIB.-CERTALDO	357.3	877.57	84.05	92.31		93.41	0.004333	4.65	188.64	39.43	0.68
POGGIB.-CERTALDO	357.2	877.57	84.05	92.29		93.40	0.004398	4.68	187.69	39.39	0.68
POGGIB.-CERTALDO	357	877.52	84.25	92.64		92.82	0.000670	1.92	457.86	97.06	0.28
POGGIB.-CERTALDO	356	877.49	84.00	92.58		92.76	0.000654	1.93	461.89	99.25	0.28
POGGIB.-CERTALDO	355	877.46	83.36	92.39		92.62	0.000738	2.11	415.22	81.48	0.30
POGGIB.-CERTALDO	354	877.46	83.34	92.23		92.57	0.001219	2.60	337.74	70.80	0.38
POGGIB.-CERTALDO	353.9	877.46	83.34	92.21	89.38	92.55	0.001231	2.61	336.51	70.69	0.38
POGGIB.-CERTALDO	353.5	Bridge									
POGGIB.-CERTALDO	353.1	877.46	83.34	92.17		92.52	0.001258	2.63	333.91	70.46	0.39
POGGIB.-CERTALDO	353	877.46	82.70	92.19		92.51	0.000943	2.50	351.12	62.78	0.34
POGGIB.-CERTALDO	352	877.45	82.60	92.23		92.45	0.000653	2.09	423.95	79.41	0.28
POGGIB.-CERTALDO	351	877.47	81.90	91.92		92.29	0.001228	2.76	337.45	74.09	0.38
POGGIB.-CERTALDO	350.99	Lat Struct									
POGGIB.-CERTALDO	350.66	848.27	82.08	91.64		92.16	0.001589	3.18	266.81	45.59	0.42
POGGIB.-CERTALDO	350.33	767.00	81.63	91.78		92.11	0.001232	2.54	306.66	64.90	0.36
POGGIB.-CERTALDO	350	689.10	81.70	91.81		92.10	0.000873	2.36	298.56	54.48	0.31
POGGIB.-CERTALDO	349.99	Lat Struct									
POGGIB.-CERTALDO	349	988.45	81.40	91.33		91.77	0.001279	2.97	337.69	58.28	0.38
POGGIB.-CERTALDO	348.99	Lat Struct									
POGGIB.-CERTALDO	348.9	971.67	81.40	91.35		91.78	0.001223	2.91	338.88	58.28	0.38
POGGIB.-CERTALDO	348.5	1155.67	81.24	90.17		90.91	0.005167	3.81	303.41	103.24	0.71
POGGIB.-CERTALDO	348.48	Lat Struct									
POGGIB.-CERTALDO	348	1117.98	80.83	89.61		90.47	0.005311	4.13	271.01	82.95	0.73
POGGIB.-CERTALDO	347.5	1081.95	79.61	89.95		90.13	0.000910	1.88	575.64	150.52	0.31
POGGIB.-CERTALDO	347.49	Lat Struct									
POGGIB.-CERTALDO	347	934.35	81.20	89.48		89.87	0.001541	2.79	335.12	72.42	0.41
POGGIB.-CERTALDO	346.5	758.41	79.50	89.56		89.60	0.000147	0.92	821.92	165.56	0.13
POGGIB.-CERTALDO	346	733.16	80.80	88.85		89.75	0.003036	4.20	176.65	39.14	0.53
POGGIB.-CERTALDO	345.98	Lat Struct									
POGGIB.-CERTALDO	345.5	768.97	79.47	89.15		89.30	0.000617	1.69	456.08	108.15	0.26
POGGIB.-CERTALDO	345	680.27	79.80	89.09		89.21	0.000756	1.54	440.47	142.77	0.28
POGGIB.-CERTALDO	344.5	783.86	79.03	88.67		89.01	0.001264	2.60	301.87	59.87	0.37
POGGIB.-CERTALDO	344	854.03	79.80	88.24		88.83	0.002426	3.39	251.73	56.82	0.51
POGGIB.-CERTALDO	343.98	Lat Struct									
POGGIB.-CERTALDO	343	995.61	77.80	87.43		88.06	0.002330	3.52	282.60	57.60	0.51
POGGIB.-CERTALDO	342	907.72	77.80	87.02		87.52	0.001775	3.14	289.05	57.84	0.45
POGGIB.-CERTALDO	341.99	Lat Struct									
POGGIB.-CERTALDO	341.6	1101.05	77.00	86.21		86.78	0.002857	3.35	329.09	83.33	0.54
POGGIB.-CERTALDO	341.5	1100.97	77.00	86.14		86.75	0.002327	3.45	318.96	66.58	0.50
POGGIB.-CERTALDO	341.4	1100.85	77.00	86.11		86.71	0.003033	3.43	320.51	81.06	0.55
POGGIB.-CERTALDO	341.39	Lat Struct									
POGGIB.-CERTALDO	341.38	Lat Struct									
POGGIB.-CERTALDO	341	872.19	77.30	85.92		86.20	0.000904	2.31	377.33	71.69	0.32
POGGIB.-CERTALDO	340	813.47	77.70	85.95		86.11	0.000540	1.77	459.18	90.20	0.25
POGGIB.-CERTALDO	339.98	Lat Struct									
POGGIB.-CERTALDO	339	773.92	76.80	85.84		86.09	0.000902	2.24	351.29	123.09	0.32
POGGIB.-CERTALDO	338	807.86	75.80	84.43		85.19	0.003146	3.85	209.75	45.94	0.58
POGGIB.-CERTALDO	337.99	Lat Struct									
POGGIB.-CERTALDO	337.87	Lat Struct									
POGGIB.-CERTALDO	337	769.27	75.60	84.42		84.71	0.001121	2.38	322.65	70.63	0.36
POGGIB.-CERTALDO	336.98	Lat Struct									
POGGIB.-CERTALDO	336	790.17	75.60	84.16		84.49	0.001124	2.53	311.84	61.67	0.36
POGGIB.-CERTALDO	335	873.48	74.60	83.91		84.24	0.001125	2.59	345.42	73.03	0.35
POGGIB.-CERTALDO	334.99	Lat Struct									
POGGIB.-CERTALDO	334	871.43	74.40	83.39		83.80	0.002141	2.83	307.66	82.99	0.47
POGGIB.-CERTALDO	333.58	Lat Struct									
POGGIB.-CERTALDO	333.5	1046.35	74.60	82.70		83.20	0.002325	3.12	335.05	86.66	0.51
POGGIB.-CERTALDO	333	1031.90	74.49	82.49		83.01	0.001903	3.31	326.36	150.27	0.47
POGGIB.-CERTALDO	332.5	1034.02	74.49	82.27		82.85	0.002806	3.37	305.00	148.63	0.49
POGGIB.-CERTALDO	332.49	Lat Struct									
POGGIB.-CERTALDO	332.25	1033.89	74.29	82.02		82.60	0.002300	3.53	308.09	149.74	0.51
POGGIB.-CERTALDO	332	1025.96	74.20	82.30		82.52	0.000874	2.11	486.89	110.71	0.32
POGGIB.-CERTALDO	331	996.98	73.50	82.15		82.43	0.000958	2.35	424.43	82.04	0.33
POGGIB.-CERTALDO	330.9	996.98	73.50	82.14	79.38	82.42	0.000960	2.35	424.08	82.04	0.33
POGGIB.-CERTALDO	330.5	Bridge									
POGGIB.-CERTALDO	330.1	996.97	73.50	82.08		82.37	0.001001	2.38	418.57	82.04	0.34
POGGIB.-CERTALDO	330.09	Lat Struct									
POGGIB.-CERTALDO	330	970.64	73.65	81.28		82.35	0.004042	4.60	210.96	40.57	0.64
POGGIB.-CERTALDO	329.98	Lat Struct									
POGGIB.-CERTALDO	329	994.56	72.60	81.57		82.18	0.002502	3.46	287.04	63.79	0.52
POGGIB.-CERTALDO	328	875.67	72.60	81.50		81.97	0.001875	3.04	288.07	63.17	0.45
POGGIB.-CERTALDO	327.99	Lat Struct									
POGGIB.-CERTALDO	327	850.45	72.60	81.39		81.92	0.002112	3.22	264.52	58.63	0.48
POGGIB.-CERTALDO	326.98	Lat Struct									
POGGIB.-CERTALDO	326	874.88	72.50	80.77		81.31	0.002753	3.26	268.26	72.85	0.54
POGGIB.-CERTALDO	325.99	Lat Struct									
POGGIB.-CERTALDO	325.58	Lat Struct									
POGGIB.-CERTALDO	325	762.73	72.20	80.47		80.75	0.001114	2.37	321.74	69.93	0.35
POGGIB.-CERTALDO	324	593.17	72.30	80.23		80.66	0.001991	2.91	203.66	50.28	0.46
POGGIB.-CERTALDO	323	347.93	72.35	80.42		80.50	0.000285	1.20	289.76	62.25	0.18
POGGIB.-CERTALDO	322	628.63	72.32	79.89		80.06	0.001136	1.86	338.42	113.15	0.34
POGGIB.-CERTALDO	321.98	Lat Struct									
POGGIB.-CERTALDO	321	705.32	72.30	79.34		79.71	0.001728	2.68	263.18	68.05	0.44
POGGIB.-CERTALDO	320.99	Lat Struct									
POGGIB.-CERTALDO	320	730.27	71.80	78.69		79.23	0.003021	3.26	224.33	65.73	0.56
POGGIB.-CERTALDO	319.99	Lat Struct									
POGGIB.-CERTALDO	319.98	Lat Struct									
POGGIB.-CERTALDO	319	465.38	71.60	78.48		78.80	0.001191	2.54	183.13	34.45	0.35
POGGIB.-CERTALDO	318.58	Lat Struct									
POGGIB.-CERTALDO	318	822.18	71.20	77.27		77.81	0.002042	3.24	253.96	53.78	0.48
POGGIB.-CERTALDO	317.6	830.65	71.20	77.36		77.78	0.001486	2.87	289.07	56.99	0.41
POGGIB.-CERTALDO	317.56	841.99	71.20	77.28		77.74	0.001839	2.99	281.91	56.99	0.43

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
POGGIB.-CERTALDO	317.54	843.12	71.20	77.24		77.71	0.001888	3.01	279.80	56.99	0.43
POGGIB.-CERTALDO	317.5	843.05	71.20	77.24		77.70	0.001688	3.00	281.32	58.28	0.44
POGGIB.-CERTALDO	317.49	Lat Struct									
POGGIB.-CERTALDO	317.48	Lat Struct									
POGGIB.-CERTALDO	317.4	819.10	71.20	77.29		77.70	0.001493	2.85	287.45	58.85	0.41
POGGIB.-CERTALDO	317	703.23	71.06	76.68		77.49	0.004246	3.98	176.74	49.34	0.67
POGGIB.-CERTALDO	316	662.81	71.22	76.96	75.24	77.37	0.001860	2.82	234.90	59.08	0.45
POGGIB.-CERTALDO	315.5	Ini Struct									
POGGIB.-CERTALDO	315	662.17	67.50	76.59		76.63	0.000101	0.95	699.07	97.21	0.11
POGGIB.-CERTALDO	314.99	Lat Struct									
POGGIB.-CERTALDO	314.98	Lat Struct									
POGGIB.-CERTALDO	314.59	Lat Struct									
POGGIB.-CERTALDO	314	666.90	67.40	76.50		76.63	0.000431	1.59	419.23	82.04	0.22
POGGIB.-CERTALDO	313	666.61	67.30	76.40		76.61	0.000795	2.01	331.09	69.98	0.30
POGGIB.-CERTALDO	312.9	666.60	67.30	76.40	72.38	76.61	0.000796	2.01	330.97	69.98	0.30
POGGIB.-CERTALDO	312.5	Bridge									
POGGIB.-CERTALDO	312.1	666.58	67.30	76.36		76.59	0.000700	2.23	321.98	58.21	0.28
POGGIB.-CERTALDO	312	666.57	67.30	76.37		76.59	0.000741	2.06	322.92	58.21	0.28
POGGIB.-CERTALDO	311.99	Lat Struct									
POGGIB.-CERTALDO	311.98	Lat Struct									
POGGIB.-CERTALDO	311	637.00	67.30	76.16		76.58	0.001497	2.88	221.36	43.49	0.41
POGGIB.-CERTALDO	310.98	Lat Struct									
POGGIB.-CERTALDO	310.19	Lat Struct									
POGGIB.-CERTALDO	310	652.39	66.10	75.91		76.14	0.000691	2.09	312.45	54.04	0.28
POGGIB.-CERTALDO	309.99	Lat Struct									
POGGIB.-CERTALDO	309.28	Lat Struct									
POGGIB.-CERTALDO	309	840.29	65.20	75.05		75.49	0.001818	2.96	284.24	63.72	0.45
POGGIB.-CERTALDO	308.98	Lat Struct									
POGGIB.-CERTALDO	308	681.89	65.00	74.97		75.19	0.000864	2.07	329.04	72.11	0.31
POGGIB.-CERTALDO	307	501.05	64.00	74.97		75.06	0.000308	1.33	377.49	72.01	0.19
POGGIB.-CERTALDO	306.98	Lat Struct									
POGGIB.-CERTALDO	306.58	Lat Struct									
POGGIB.-CERTALDO	306	447.82	63.80	74.93		75.04	0.000355	1.47	304.41	52.14	0.19
POGGIB.-CERTALDO	305.98	Lat Struct									
POGGIB.-CERTALDO	305	442.11	64.00	74.71		74.88	0.000558	1.85	238.43	38.44	0.24
POGGIB.-CERTALDO	304.98	Lat Struct									
POGGIB.-CERTALDO	304.97	Lat Struct									
POGGIB.-CERTALDO	304.9	496.79	63.74	74.46		74.68	0.000699	2.08	239.07	38.44	0.27
POGGIB.-CERTALDO	304	715.33	63.40	74.20		74.36	0.000810	1.77	404.06	107.83	0.29
POGGIB.-CERTALDO	303.7	861.17	63.80	73.60	70.62	74.09	0.001454	3.12	276.36	46.14	0.41
POGGIB.-CERTALDO	303.65	Bridge									
POGGIB.-CERTALDO	303.6	861.17	63.80	73.58		74.08	0.001468	3.13	275.49	46.14	0.41
POGGIB.-CERTALDO	303.59	Lat Struct									
POGGIB.-CERTALDO	303.58	Lat Struct									
POGGIB.-CERTALDO	303	807.50	63.80	73.36		73.85	0.001533	3.11	259.97	46.14	0.42
POGGIB.-CERTALDO	302.58	Lat Struct									
POGGIB.-CERTALDO	302	768.78	63.00	73.29		73.53	0.000880	2.16	355.20	72.24	0.31
POGGIB.-CERTALDO	301.99	Lat Struct									
POGGIB.-CERTALDO	301	601.37	63.00	72.93		73.28	0.001041	2.63	228.90	35.78	0.33
POGGIB.-CERTALDO	300.98	Lat Struct									
POGGIB.-CERTALDO	300.29	Lat Struct									
POGGIB.-CERTALDO	300	583.51	62.70	72.67		72.99	0.001066	2.52	231.57	41.03	0.34
POGGIB.-CERTALDO	299.5	751.44	61.57	72.62		72.73	0.000277	1.48	508.88	77.86	0.18
POGGIB.-CERTALDO	299	923.36	61.30	71.90		72.43	0.002097	3.21	287.52	60.46	0.47
POGGIB.-CERTALDO	298.98	Lat Struct									
POGGIB.-CERTALDO	298.7	892.53	61.20	71.66		72.14	0.001555	3.08	298.23	144.38	0.41
POGGIB.-CERTALDO	298.62	969.55	61.50	71.58		71.97	0.000854	2.84	368.72	124.43	0.33
POGGIB.-CERTALDO	298.61	988.62	61.50	71.60		71.89	0.000618	2.42	429.57	99.56	0.28
POGGIB.-CERTALDO	298.6	988.54	61.50	71.61		71.90	0.000886	2.39	419.88	71.50	0.31
POGGIB.-CERTALDO	298.4	988.51	61.50	71.60		71.89	0.000891	2.39	419.03	71.48	0.31
POGGIB.-CERTALDO	298.38	Lat Struct									
POGGIB.-CERTALDO	298.36	984.94	61.50	71.60		71.89	0.000751	2.38	417.56	66.52	0.30
POGGIB.-CERTALDO	298.09	932.29	60.57	71.45		71.83	0.001285	2.74	344.63	66.24	0.38
POGGIB.-CERTALDO	298.08	Lat Struct									
POGGIB.-CERTALDO	298	1108.06	62.50	71.03		71.41	0.001569	2.73	405.55	96.65	0.43
POGGIB.-CERTALDO	297.99	Lat Struct									
POGGIB.-CERTALDO	297.98	Lat Struct									
POGGIB.-CERTALDO	296.18	Lat Struct									
POGGIB.-CERTALDO	296	1047.88	61.70	70.11		70.88	0.003182	3.88	270.04	61.45	0.59
POGGIB.-CERTALDO	295	749.60	61.20	70.22		70.61	0.001359	2.76	271.75	53.37	0.39
POGGIB.-CERTALDO	294.19	Lat Struct									
POGGIB.-CERTALDO	294	917.99	62.20	68.96		69.68	0.003214	3.78	243.02	59.47	0.60
POGGIB.-CERTALDO	293.98	Lat Struct									
POGGIB.-CERTALDO	293.59	Lat Struct									
POGGIB.-CERTALDO	293	761.33	61.90	68.96		69.20	0.000997	2.18	348.94	81.57	0.34
POGGIB.-CERTALDO	292	564.05	61.90	68.73		69.09	0.001670	2.69	209.65	50.57	0.42
POGGIB.-CERTALDO	291	585.00	62.00	68.61		68.82	0.000923	2.05	285.97	66.58	0.32
POGGIB.-CERTALDO	290.98	Lat Struct									
POGGIB.-CERTALDO	290.49	Lat Struct									
POGGIB.-CERTALDO	290	507.80	61.90	68.41		68.63	0.000997	2.08	244.15	59.70	0.33
POGGIB.-CERTALDO	289	507.15	61.80	68.24		68.46	0.000999	2.09	242.44	58.39	0.33
POGGIB.-CERTALDO	288.48	Lat Struct									
POGGIB.-CERTALDO	288	742.82	62.00	68.00		68.24	0.001332	2.18	341.30	98.70	0.37
POGGIB.-CERTALDO	287.6	742.82	62.00	67.99	66.30	68.23	0.001347	2.18	340.13	98.70	0.38
POGGIB.-CERTALDO	287.5	Ini Struct									
POGGIB.-CERTALDO	287.4	742.82	58.70	67.84		67.87	0.000125	0.82	909.19	195.32	0.12
POGGIB.-CERTALDO	287	742.81	58.70	67.83		67.87	0.000125	0.82	908.30	195.32	0.12
POGGIB.-CERTALDO	286.99	Lat Struct									
POGGIB.-CERTALDO	286	816.81	59.00	67.80		67.85	0.000183	0.99	827.94	178.02	0.15
POGGIB.-CERTALDO	285.99	Lat Struct									
POGGIB.-CERTALDO	285.98	Lat Struct									
POGGIB.-CERTALDO	285	965.25	59.00	67.40		67.72	0.002336	2.54	380.54	133.93	0.48

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
POGGIB.-CERTALDO	284	992.67	58.90	67.37		67.67	0.001795	2.45	405.68	124.40	0.43
POGGIB.-CERTALDO	283	1095.77	58.60	67.13		67.40	0.001800	2.30	475.89	160.77	0.43
POGGIB.-CERTALDO	282	1095.22	58.50	67.07		67.35	0.001529	2.33	470.76	138.19	0.40
POGGIB.-CERTALDO	281.9	1084.47	58.50	66.77	65.32	67.32	0.002430	3.28	330.17	137.06	0.52
POGGIB.-CERTALDO	281.5	Bridge									
POGGIB.-CERTALDO	281.1	1086.31	58.80	66.92		67.20	0.000876	2.34	465.03	89.54	0.33
POGGIB.-CERTALDO	281	1086.02	58.80	66.91		67.19	0.000881	2.34	464.04	89.46	0.33
POGGIB.-CERTALDO	280	1084.07	58.00	66.87		67.13	0.000867	2.28	476.28	94.48	0.32
POGGIB.-CERTALDO	279.99	Lat Struct									
POGGIB.-CERTALDO	279.98	Lat Struct									
POGGIB.-CERTALDO	279.58	Lat Struct									
POGGIB.-CERTALDO	279	1012.66	58.10	66.73		67.08	0.001054	2.62	387.12	157.37	0.36
POGGIB.-CERTALDO	278	989.50	58.10	66.65		67.09	0.001387	2.93	337.96	130.62	0.40
POGGIB.-CERTALDO	277	810.67	57.60	66.79		67.12	0.001059	2.54	319.58	58.25	0.35
POGGIB.-CERTALDO	276.99	Lat Struct									
POGGIB.-CERTALDO	276	670.37	57.88	66.76		67.18	0.001296	2.86	234.13	37.67	0.37
POGGIB.-CERTALDO	275	592.45	57.47	66.27		67.05	0.003334	3.93	150.81	29.05	0.55
POGGIB.-CERTALDO	274	612.29	57.39	66.50		66.70	0.000645	1.94	314.90	60.10	0.27
POGGIB.-CERTALDO	273	475.08	56.94	66.62		66.69	0.000242	1.22	390.42	73.51	0.17
POGGIB.-CERTALDO	272	1097.89	56.54	65.30		65.90	0.002661	3.45	318.01	75.59	0.54
POGGIB.-CERTALDO	271.99	Lat Struct									
POGGIB.-CERTALDO	271	970.64	56.53	65.32		65.70	0.001432	2.72	357.08	75.33	0.40
POGGIB.-CERTALDO	270	807.83	54.36	65.32		65.63	0.001047	2.47	327.25	61.07	0.34
POGGIB.-CERTALDO	269	944.90	54.91	64.74		65.15	0.001716	2.82	335.08	77.10	0.43
POGGIB.-CERTALDO	268.1	1109.29	54.27	63.69		64.61	0.004039	4.26	260.43	58.54	0.64
POGGIB.-CERTALDO	268	1109.29	54.27	63.68	62.53	64.61	0.004059	4.27	260.02	58.54	0.65

Storage Area	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D0	89.57	86.90	0.59	69.79	72.31
D10A	76.24	68.80	0.05	4.69	8.72
D10B	76.34	71.90	0.04	19.81	28.69
D11A	75.79	71.40	-43.61	73.71	146.10
D11B	74.98	65.90	8.78	67.73	145.76
D11C	76.31	72.40	44.37	30.38	59.76
D12A	75.20	72.50	0.23	39.81	21.11
D12B	74.94	69.80	1.36	196.97	319.46
D13	74.81	66.10	0.06	12.83	29.23
D14	74.45	69.50	52.69	175.15	255.77
D15A	73.48	68.70	-64.08	54.49	98.94
D15B	73.15	67.50	4.85	60.41	152.09
D16	74.41	69.80	36.97	129.68	275.55
D17A	72.64	63.70	7.73	140.83	415.21
D17B	71.46	67.20	31.64	59.29	154.42
D17C	71.75	67.90	-0.61	48.45	136.19
D17D	71.86	67.80	0.03	14.60	23.83
D18	71.10	65.20	1.28	148.52	165.04
D19	68.40	63.30	3.41	427.63	863.16
D1A	89.57	82.80	3.49	83.71	137.63
D1B	87.13	82.30	10.45	106.31	134.71
D1C	86.00	82.70	5.56	112.37	126.88
D1D	89.11	82.50	2.79	129.28	71.07
D2	83.57	76.50	0.29	83.91	118.40
D20	66.96	61.90	6.17	116.73	91.25
D21	67.61	61.80	1.18	21.43	16.82
D22	66.65	58.20	5.43	251.65	701.58
D23	66.14	58.80	29.88	373.62	922.81
D3	83.57	80.40	0.01	6.45	3.90
D4A	83.56	80.50	-0.14	23.49	14.40
D4B	83.12	80.30	0.06	28.71	17.68
D5	81.51	76.00	2.01	20.68	29.65
D6A	81.09	77.20	3.36	16.95	22.09
D6B	81.11	75.70	-0.05	8.79	7.46
D7	80.26	74.70	2.65	69.34	137.22
D8A	78.47	73.50	6.78	80.78	154.58
D8B	76.98	74.20	0.12	56.24	100.59
D8C	76.82	72.90	8.64	9.31	17.42
D9	76.33	73.80	0.17	23.11	11.86
S10A	69.97	63.90	5.32	234.36	538.14
S10B	69.21	66.40	0.46	73.26	90.25
S11A	69.11	65.20	-24.21	34.16	67.24
S11B	68.72	63.00	-19.90	49.22	136.35
S11C	69.17	65.80	25.44	66.91	109.34
S11D	68.80	64.40	-0.07	70.22	94.12
S11E	68.79	63.10	21.86	122.89	203.74
S12A	68.28	63.40	0.79	31.52	103.28
S12B	67.93	60.40	0.01	120.21	150.13
S13A	66.39	62.10	5.54	95.59	236.79
S13B	65.08	57.90	0.26	173.52	471.77
S1A	91.58	89.10	0.07	56.11	44.44
S1B	91.58	86.70	0.43	54.61	101.14
S1C	91.58	89.20	0.03	43.61	25.93
S2A	91.02	82.70	0.04	53.43	81.42
S2B	89.03	82.50	13.07	120.77	189.91
S2C	86.35	83.70	0.88	49.14	38.02
S3A	85.30	81.20	1.66	278.88	460.04
S3B	84.31	79.90	0.22	180.67	166.19
S4A	82.40	78.60	1.67	230.97	118.75
S4B	81.09	75.20	4.77	275.19	271.98
S5	80.15	74.30	4.98	764.32	1665.32
S6A	78.98	74.10	2.05	95.66	277.39

HEC-RAS Plan: elsa tr500 sa Profile: Max WS (Continued)

Storage Area	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
	(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
S6B	76.32	73.00	0.96	111.62	120.17
S6C	78.00	73.30	4.51	65.43	161.73
S7A	76.05	67.50	1.11	171.78	291.35
S7B	75.18	69.80	4.10	46.23	74.67
S8	74.81	65.70	8.52	124.88	274.36
S9A	73.32	66.90	3.01	67.12	116.53
S9B	72.98	66.00	7.07	173.01	376.06
S9C	72.79	65.00	3.41	60.05	145.22

River	Reach	River Sta	Plan	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
DROVE	TATTERA	16	DB 500-1	119.73	117.93	120.02		120.35	0.007564	2.55	46.98	35.80	0.71
DROVE	TATTERA	16	DB 200-1	95.79	117.93	119.87		120.14	0.007231	2.31	41.41	35.38	0.68
DROVE	TATTERA	16	DB 100-1	95.79	117.93	119.87		120.14	0.007231	2.31	41.41	35.38	0.68
DROVE	TATTERA	16	DB 30-1	56.41	117.93	119.55		119.73	0.006712	1.85	30.46	34.52	0.63
DROVE	TATTERA	15	DB 500-1	119.66	117.54	119.66		120.00	0.009484	2.61	45.80	40.33	0.78
DROVE	TATTERA	15	DB 200-1	95.47	117.54	119.48		119.79	0.009753	2.45	39.00	38.70	0.78
DROVE	TATTERA	15	DB 100-1	95.70	117.54	119.49		119.79	0.009739	2.45	39.09	38.72	0.78
DROVE	TATTERA	15	DB 30-1	56.40	117.54	119.17		119.39	0.010111	2.07	27.23	35.70	0.76
DROVE	TATTERA	14	DB 500-1	119.65	117.10	119.37		119.69	0.007311	2.52	47.46	35.83	0.70
DROVE	TATTERA	14	DB 200-1	95.31	117.10	119.22		119.48	0.006739	2.26	42.18	35.36	0.66
DROVE	TATTERA	14	DB 100-1	95.62	117.10	119.22		119.48	0.006771	2.27	42.20	35.36	0.66
DROVE	TATTERA	14	DB 30-1	56.40	117.10	118.94		119.10	0.005405	1.73	32.51	34.48	0.57
DROVE	TATTERA	13	DB 500-1	119.62	116.23	118.81	118.81	119.24	0.017389	2.88	41.54	49.48	1.00
DROVE	TATTERA	13	DB 200-1	87.22	116.23	118.70		119.00	0.013522	2.43	35.86	45.50	0.87
DROVE	TATTERA	13	DB 100-1	87.22	116.23	118.70		119.00	0.013522	2.43	35.86	45.50	0.87
DROVE	TATTERA	13	DB 30-1	56.39	116.23	118.40		118.68	0.016142	2.37	23.79	35.59	0.93
DROVE	TATTERA	12.9	DB 500-1	119.62	116.35	118.72		118.88	0.004855	1.75	68.22	65.96	0.55
DROVE	TATTERA	12.9	DB 200-1	87.66	116.35	118.64		118.74	0.003324	1.39	63.16	65.31	0.45
DROVE	TATTERA	12.9	DB 100-1	85.91	116.35	118.62		118.72	0.003401	1.39	61.91	65.15	0.45
DROVE	TATTERA	12.9	DB 30-1	56.37	116.35	118.43		118.49	0.003022	1.14	49.26	63.52	0.41
DROVE	TATTERA	12.5		Culvert									
DROVE	TATTERA	12.1	DB 500-1	115.97	116.35	118.42		118.71	0.013144	2.37	48.83	63.46	0.86
DROVE	TATTERA	12.1	DB 200-1	95.72	116.35	118.31		118.58	0.014310	2.28	41.96	61.81	0.88
DROVE	TATTERA	12.1	DB 100-1	95.77	116.35	118.31		118.58	0.014325	2.28	41.96	61.81	0.88
DROVE	TATTERA	12.1	DB 30-1	56.39	116.35	118.04		118.26	0.016333	2.11	26.72	48.60	0.91
DROVE	TATTERA	11.9	DB 500-1	115.76	114.91	117.88		118.01	0.002983	1.56	74.26	60.16	0.45
DROVE	TATTERA	11.9	DB 200-1	95.68	114.91	117.74		117.85	0.002958	1.46	65.58	58.47	0.44
DROVE	TATTERA	11.9	DB 100-1	95.71	114.91	117.74		117.85	0.002959	1.46	65.58	58.47	0.44
DROVE	TATTERA	11.9	DB 30-1	56.38	114.91	117.37		117.44	0.002653	1.23	45.81	48.50	0.40
DROVE	TATTERA	11.5		Culvert									
DROVE	TATTERA	11.1	DB 500-1	124.88	114.91	117.39		117.75	0.012146	2.66	47.01	49.15	0.87
DROVE	TATTERA	11.1	DB 200-1	95.68	114.91	117.20		117.52	0.012459	2.51	38.10	44.13	0.86
DROVE	TATTERA	11.1	DB 100-1	95.71	114.91	117.20		117.52	0.012455	2.51	38.11	44.14	0.86
DROVE	TATTERA	11.1	DB 30-1	56.38	114.91	116.84		117.12	0.014807	2.36	23.94	34.67	0.90
DROVE	TATTERA	10	DB 500-1	119.46	110.17	113.02	112.98	113.58	0.014483	3.31	36.13	30.49	0.97
DROVE	TATTERA	10	DB 200-1	95.61	110.17	112.81	112.74	113.32	0.013830	3.18	30.04	25.82	0.94
DROVE	TATTERA	10	DB 100-1	95.62	110.17	112.81	112.74	113.32	0.013827	3.18	30.05	25.83	0.94
DROVE	TATTERA	10	DB 30-1	56.36	110.17	112.37		112.76	0.012049	2.76	20.42	19.46	0.86
DROVE	TATTERA	9	DB 500-1	118.26	108.80	110.92		111.33	0.012450	2.86	41.39	38.92	0.88
DROVE	TATTERA	9	DB 200-1	95.57	108.80	110.76		111.13	0.013116	2.69	35.50	38.02	0.89
DROVE	TATTERA	9	DB 100-1	95.59	108.80	110.76		111.13	0.013107	2.69	35.51	38.02	0.89
DROVE	TATTERA	9	DB 30-1	56.36	108.80	110.49		110.74	0.013390	2.23	25.31	36.67	0.86
DROVE	TATTERA	8	DB 500-1	119.39	107.28	109.99		110.20	0.006057	2.04	58.52	56.28	0.62
DROVE	TATTERA	8	DB 200-1	95.52	107.28	109.83		110.01	0.005766	1.90	50.17	49.06	0.60
DROVE	TATTERA	8	DB 100-1	95.53	107.28	109.83		110.01	0.005762	1.90	50.19	49.07	0.60
DROVE	TATTERA	8	DB 30-1	56.35	107.28	109.48		109.62	0.006268	1.65	34.12	43.97	0.60
DROVE	TATTERA	7.9	DB 500-1	119.36	106.13	109.60		109.73	0.002125	1.68	80.16	63.37	0.38
DROVE	TATTERA	7.9	DB 200-1	95.47	106.13	109.46		109.56	0.001897	1.51	71.31	63.14	0.36
DROVE	TATTERA	7.9	DB 100-1	95.51	106.13	109.46		109.56	0.001897	1.51	71.33	63.14	0.36
DROVE	TATTERA	7.9	DB 30-1	56.33	106.13	109.07		109.15	0.001925	1.30	46.75	62.32	0.35
DROVE	TATTERA	7.5		Culvert									
DROVE	TATTERA	7.1	DB 500-1	119.36	106.13	108.95	108.88	109.43	0.011952	3.07	40.26	49.70	0.86
DROVE	TATTERA	7.1	DB 200-1	91.00	106.13	108.69		109.14	0.014077	2.96	30.77	28.76	0.91
DROVE	TATTERA	7.1	DB 100-1	91.08	106.13	108.69		109.14	0.014090	2.96	30.78	28.77	0.91
DROVE	TATTERA	7.1	DB 30-1	56.33	106.13	108.29	108.25	108.68	0.016204	2.77	20.31	23.22	0.95
DROVE	TATTERA	6.9	DB 500-1	119.36	105.40	108.83	107.99	108.91	0.001594	1.24	96.71	70.06	0.33
DROVE	TATTERA	6.9	DB 200-1	95.48	105.40	108.61	107.82	108.68	0.001775	1.17	81.77	69.58	0.34
DROVE	TATTERA	6.9	DB 100-1	95.51	105.40	108.61	107.82	108.68	0.001781	1.17	81.71	69.58	0.34
DROVE	TATTERA	6.9	DB 30-1	56.34	105.40	108.24	107.43	108.29	0.001916	1.00	56.41	63.82	0.34
DROVE	TATTERA	6.5		Bridge									
DROVE	TATTERA	6.1	DB 500-1	119.34	105.40	108.45		108.60	0.004542	1.70	70.45	69.21	0.53
DROVE	TATTERA	6.1	DB 200-1	95.47	105.40	108.13		108.32	0.007724	1.92	49.66	59.74	0.67
DROVE	TATTERA	6.1	DB 100-1	95.50	105.40	108.14		108.33	0.007598	1.91	50.10	60.30	0.67
DROVE	TATTERA	6.1	DB 30-1	56.36	105.40	107.41	107.43	107.81	0.019378	2.81	20.06	26.76	1.04
DROVE	TATTERA	5	DB 500-1	114.55	104.52	107.83		108.42	0.008732	3.40	33.74	16.87	0.77
DROVE	TATTERA	5	DB 200-1	95.46	104.52	107.52		108.09	0.009777	3.34	28.62	16.26	0.80
DROVE	TATTERA	5	DB 100-1	95.49	104.52	107.54		108.10	0.009537	3.31	28.87	16.28	0.79
DROVE	TATTERA	5	DB 30-1	56.30	104.52	106.89		107.34	0.010971	2.97	18.97	14.07	0.82
DROVE	TATTERA	4.9		Lat Struct									
DROVE	TATTERA	4	DB 500-1	114.47	103.89	107.73		107.89	0.001862	1.76	64.95	28.60	0.37
DROVE	TATTERA	4	DB 200-1	95.46	103.89	107.32		107.48	0.002269	1.78	53.54	27.02	0.40
DROVE	TATTERA	4	DB 100-1	95.47	103.89	107.35		107.50	0.002172	1.76	54.35	27.15	0.40
DROVE	TATTERA	4	DB 30-1	56.13	103.89	106.47		106.63	0.003537	1.75	32.16	23.58	0.48
DROVE	TATTERA	3.9	DB 500-1	115.71	102.52	107.35	106.39	107.80	0.005639	2.97	38.99	13.93	0.57
DROVE	TATTERA	3.9	DB 200-1	95.45	102.52	106.99	106.12	107.39	0.005730	2.81	33.99	13.57	0.57
DROVE	TATTERA	3.9	DB 100-1	95.46	102.52	107.03	106.12	107.42	0.005453	2.76	34.57	13.62	0.55
DROVE	TATTERA	3.9	DB 30-1	55.69	102.52	106.24	105.56	106.51	0.005424	2.31	24.09	12.85	0.54
DROVE	TATTERA	3.5		Bridge									

River	Reach	River Sta	Plan	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
DROVE	TATTERA	3.1	DB 500-1	115.93	102.52	106.75		107.47	0.011238	3.76	30.86	13.35	0.79
DROVE	TATTERA	3.1	DB 200-1	95.44	102.52	106.49		107.11	0.010832	3.48	27.40	13.09	0.77
DROVE	TATTERA	3.1	DB 100-1	95.46	102.52	106.43		107.08	0.011918	3.60	26.54	13.03	0.80
DROVE	TATTERA	3.1	DB 30-1	58.28	102.52	105.79		106.30	0.013317	3.16	18.46	12.41	0.83
DROVE	TATTERA	2.9		Lat Struct									
DROVE	TATTERA	2.8		Lat Struct									
DROVE	TATTERA	2	DB 500-1	115.76	102.56	106.68		106.73	0.000427	1.02	113.68	39.34	0.19
DROVE	TATTERA	2	DB 200-1	95.42	102.56	106.39		106.43	0.000398	0.93	102.32	38.33	0.18
DROVE	TATTERA	2	DB 100-1	95.44	102.56	106.28		106.33	0.000450	0.97	98.32	38.10	0.19
DROVE	TATTERA	2	DB 30-1	57.37	102.56	105.49		105.53	0.000518	0.84	68.58	37.14	0.20
DROVE	TATTERA	1.1	DB 500-1	115.22	102.12	106.65		106.72	0.000498	1.18	97.39	30.00	0.21
DROVE	TATTERA	1.1	DB 200-1	95.42	102.12	106.36		106.42	0.000453	1.07	88.77	29.84	0.20
DROVE	TATTERA	1.1	DB 100-1	95.43	102.12	106.25		106.32	0.000505	1.11	85.59	29.64	0.21
DROVE	TATTERA	1.1	DB 30-1	57.16	102.12	105.47		105.51	0.000455	0.93	62.92	28.23	0.19
DROVE	TATTERA	1	DB 500-1	115.22	102.12	106.65		106.72	0.000499	1.18	97.37	30.00	0.21
DROVE	TATTERA	1	DB 200-1	95.42	102.12	106.36		106.42	0.000453	1.07	88.76	29.84	0.20
DROVE	TATTERA	1	DB 100-1	95.43	102.12	106.25		106.32	0.000506	1.11	85.57	29.64	0.21
DROVE	TATTERA	1	DB 30-1	57.15	102.12	105.47		105.51	0.000456	0.93	62.91	28.23	0.19
DROVE	CINCIANO	15	DB 500-1	98.57	106.71	109.64	109.56	110.46	0.013439	4.00	24.62	13.33	0.94
DROVE	CINCIANO	15	DB 200-1	77.82	106.71	109.31	109.26	110.06	0.014295	3.82	20.38	12.52	0.96
DROVE	CINCIANO	15	DB 100-1	64.49	106.71	109.10	109.04	109.77	0.014449	3.62	17.80	11.99	0.95
DROVE	CINCIANO	15	DB 30-1	45.32	106.71	108.76		109.31	0.014698	3.27	13.85	11.15	0.94
DROVE	CINCIANO	14	DB 500-1	97.61	105.91	109.09		109.35	0.006758	2.27	42.98	34.43	0.65
DROVE	CINCIANO	14	DB 200-1	77.68	105.91	108.58		108.94	0.008159	2.68	29.00	20.10	0.71
DROVE	CINCIANO	14	DB 100-1	64.42	105.91	108.30		108.68	0.009231	2.71	23.80	17.78	0.75
DROVE	CINCIANO	14	DB 30-1	45.28	105.91	107.90		108.25	0.009935	2.61	17.34	14.37	0.76
DROVE	CINCIANO	13.9		Lat Struct									
DROVE	CINCIANO	13	DB 500-1	97.69	104.67	108.64		108.87	0.002894	2.13	45.93	20.70	0.46
DROVE	CINCIANO	13	DB 200-1	77.60	104.67	108.05		108.31	0.004395	2.29	33.90	19.15	0.55
DROVE	CINCIANO	13	DB 100-1	64.39	104.67	107.63		107.93	0.005735	2.44	26.38	16.47	0.62
DROVE	CINCIANO	13	DB 30-1	45.27	104.67	107.16		107.44	0.006221	2.32	19.50	13.96	0.63
DROVE	CINCIANO	12.9	DB 500-1	97.65	104.66	108.74	107.37	108.83	0.001380	1.35	72.46	40.48	0.32
DROVE	CINCIANO	12.9	DB 200-1	77.62	104.66	108.13	107.12	108.25	0.002293	1.55	50.03	33.04	0.40
DROVE	CINCIANO	12.9	DB 100-1	64.39	104.66	107.69	106.92	107.85	0.003502	1.75	36.74	27.70	0.49
DROVE	CINCIANO	12.9	DB 30-1	45.27	104.66	107.16	106.61	107.35	0.004984	1.90	23.79	20.55	0.56
DROVE	CINCIANO	12.5		Bridge									
DROVE	CINCIANO	12.1	DB 500-1	97.65	104.66	108.47		108.59	0.002094	1.58	61.79	37.12	0.39
DROVE	CINCIANO	12.1	DB 200-1	77.62	104.66	107.97		108.12	0.003025	1.73	44.96	31.11	0.46
DROVE	CINCIANO	12.1	DB 100-1	64.39	104.66	107.62		107.80	0.004006	1.85	34.86	26.86	0.52
DROVE	CINCIANO	12.1	DB 30-1	45.27	104.66	107.00		107.25	0.006701	2.18	20.74	18.15	0.65
DROVE	CINCIANO	11	DB 500-1	97.65	104.43	108.38		108.58	0.003090	1.99	49.07	26.29	0.46
DROVE	CINCIANO	11	DB 200-1	77.60	104.43	107.90		108.11	0.003269	2.05	37.90	19.95	0.47
DROVE	CINCIANO	11	DB 100-1	64.39	104.43	107.58		107.78	0.002903	2.00	32.20	15.76	0.45
DROVE	CINCIANO	11	DB 30-1	45.27	104.43	107.06		107.22	0.002662	1.82	24.89	13.20	0.42
DROVE	CINCIANO	10.9	DB 500-1	97.64	104.21	108.03	107.15	108.55	0.006501	3.22	30.30	10.34	0.60
DROVE	CINCIANO	10.9	DB 200-1	77.57	104.21	107.62	106.83	108.07	0.006195	2.96	26.19	10.21	0.59
DROVE	CINCIANO	10.9	DB 100-1	64.39	104.21	107.36	106.61	107.74	0.005814	2.74	23.51	10.12	0.57
DROVE	CINCIANO	10.9	DB 30-1	45.27	104.21	106.89	106.22	107.19	0.005532	2.41	18.76	9.97	0.56
DROVE	CINCIANO	10.5		Bridge									
DROVE	CINCIANO	10.1	DB 500-1	97.64	104.21	107.46		108.27	0.011884	3.99	24.49	10.16	0.82
DROVE	CINCIANO	10.1	DB 200-1	77.39	104.21	107.36		107.91	0.008368	3.29	23.54	10.13	0.69
DROVE	CINCIANO	10.1	DB 100-1	64.37	104.21	107.15		107.61	0.007694	3.02	21.33	10.05	0.66
DROVE	CINCIANO	10.1	DB 30-1	45.25	104.21	106.66		107.04	0.008110	2.75	16.47	9.90	0.68
DROVE	CINCIANO	10.09		Lat Struct									
DROVE	CINCIANO	9	DB 500-1	97.64	104.21	107.80		108.17	0.005308	2.70	36.17	17.66	0.60
DROVE	CINCIANO	9	DB 200-1	77.47	104.21	107.60		107.88	0.004215	2.37	32.73	16.27	0.53
DROVE	CINCIANO	9	DB 100-1	64.37	104.21	107.33		107.58	0.003411	2.22	28.98	13.33	0.48
DROVE	CINCIANO	9	DB 30-1	45.25	104.21	106.81		107.02	0.003568	2.03	22.24	12.32	0.48
DROVE	CINCIANO	8	DB 500-1	86.05	103.05	107.62		107.85	0.003191	2.10	40.92	19.21	0.46
DROVE	CINCIANO	8	DB 200-1	74.40	103.05	107.33		107.56	0.003541	2.10	35.46	18.19	0.48
DROVE	CINCIANO	8	DB 100-1	64.37	103.05	106.97		107.22	0.004594	2.21	29.09	16.93	0.54
DROVE	CINCIANO	8	DB 30-1	45.25	103.05	106.29		106.58	0.006028	2.40	18.86	11.61	0.60
DROVE	CINCIANO	7.9	DB 500-1	86.05	103.59	107.73	106.10	107.83	0.001085	1.43	61.13	27.31	0.30
DROVE	CINCIANO	7.9	DB 200-1	74.40	103.59	107.43	105.91	107.54	0.001197	1.41	53.35	25.96	0.31
DROVE	CINCIANO	7.9	DB 100-1	64.37	103.59	107.08	105.77	107.19	0.001510	1.46	44.52	24.34	0.34
DROVE	CINCIANO	7.9	DB 30-1	45.25	103.59	106.42	105.44	106.54	0.002553	1.54	29.40	21.27	0.41
DROVE	CINCIANO	7.5		Bridge									
DROVE	CINCIANO	7.1	DB 500-1	86.05	103.59	107.61		107.72	0.001264	1.51	57.94	26.77	0.32
DROVE	CINCIANO	7.1	DB 200-1	74.40	103.59	107.36		107.47	0.001335	1.47	51.36	25.61	0.32
DROVE	CINCIANO	7.1	DB 100-1	64.37	103.59	107.05		107.16	0.001595	1.49	43.69	24.18	0.34
DROVE	CINCIANO	7.1	DB 30-1	45.25	103.59	106.38		106.51	0.002792	1.59	28.49	20.98	0.43
DROVE	CINCIANO	6.9	DB 500-1	86.05	103.68	107.56	106.18	107.72	0.001737	1.76	49.03	19.25	0.35
DROVE	CINCIANO	6.9	DB 200-1	74.40	103.68	107.32	106.01	107.46	0.001755	1.68	44.35	19.05	0.35
DROVE	CINCIANO	6.9	DB 100-1	64.37	103.68	107.01	105.77	107.15	0.002002	1.67	38.60	18.80	0.37
DROVE	CINCIANO	6.9	DB 30-1	45.25	103.68	106.34	105.41	106.49	0.003274	1.73	26.19	18.25	0.46
DROVE	CINCIANO	6.5		Bridge									

River	Reach	River Sta	Plan	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
DROVE	CINCIANO	6.1	DB 500-1	86.04	103.68	107.43		107.61	0.002020	1.85	46.62	19.15	0.38
DROVE	CINCIANO	6.1	DB 200-1	74.40	103.68	107.25		107.41	0.001904	1.72	43.17	19.00	0.36
DROVE	CINCIANO	6.1	DB 100-1	64.37	103.68	106.98		107.12	0.002107	1.70	37.96	18.77	0.38
DROVE	CINCIANO	6.1	DB 30-1	45.24	103.68	106.26		106.43	0.003835	1.83	24.78	17.97	0.50
DROVE	CINCIANO	6.09		Lat Struct									
DROVE	CINCIANO	6.08		Lat Struct									
DROVE	CINCIANO	5	DB 500-1	85.99	103.29	107.29		107.61	0.003856	2.48	34.67	14.71	0.52
DROVE	CINCIANO	5	DB 200-1	74.38	103.29	107.13		107.40	0.003555	2.30	32.32	14.71	0.50
DROVE	CINCIANO	5	DB 100-1	64.36	103.29	106.86		107.12	0.003776	2.27	28.38	13.92	0.51
DROVE	CINCIANO	5	DB 30-1	41.82	103.29	106.16		106.39	0.004200	2.13	19.60	11.45	0.52
DROVE	CINCIANO	4	DB 500-1	77.94	102.83	107.27		107.50	0.003005	2.14	36.35	13.80	0.42
DROVE	CINCIANO	4	DB 200-1	70.28	102.83	107.05		107.28	0.003131	2.10	33.44	13.80	0.43
DROVE	CINCIANO	4	DB 100-1	63.77	102.83	106.70		106.96	0.004097	2.23	28.58	13.66	0.49
DROVE	CINCIANO	4	DB 30-1	41.81	102.83	105.96		106.20	0.004912	2.16	19.35	11.03	0.52
DROVE	CINCIANO	3.9	DB 500-1	80.56	102.98	107.13	105.90	107.43	0.004176	2.44	33.06	14.55	0.52
DROVE	CINCIANO	3.9	DB 200-1	72.56	102.98	106.91	105.75	107.21	0.004357	2.42	29.98	13.72	0.52
DROVE	CINCIANO	3.9	DB 100-1	64.25	102.98	106.57	105.59	106.89	0.005078	2.53	25.44	12.10	0.56
DROVE	CINCIANO	3.9	DB 30-1	41.81	102.98	105.86	105.08	106.13	0.004957	2.32	18.06	9.47	0.54
DROVE	CINCIANO	3.5		Bridge									
DROVE	CINCIANO	3.1	DB 500-1	80.10	102.98	106.42		107.00	0.009069	3.38	23.73	11.16	0.74
DROVE	CINCIANO	3.1	DB 200-1	72.58	102.98	106.13		106.76	0.010283	3.51	20.70	10.00	0.78
DROVE	CINCIANO	3.1	DB 100-1	64.07	102.98	106.06		106.58	0.008820	3.21	19.99	9.86	0.72
DROVE	CINCIANO	3.1	DB 30-1	44.92	102.98	105.36		105.92	0.012564	3.31	13.57	8.49	0.84
DROVE	CINCIANO	3.09		Lat Struct									
DROVE	CINCIANO	3.08		Lat Struct									
DROVE	CINCIANO	2	DB 500-1	80.09	102.49	106.67		106.75	0.000730	1.23	64.87	23.53	0.24
DROVE	CINCIANO	2	DB 200-1	72.58	102.49	106.38		106.46	0.000856	1.25	58.03	23.52	0.25
DROVE	CINCIANO	2	DB 100-1	64.14	102.49	106.28		106.35	0.000762	1.15	55.71	23.52	0.24
DROVE	CINCIANO	2	DB 30-1	44.44	102.49	105.51		105.58	0.001254	1.18	37.78	22.65	0.29
DROVE	CINCIANO	1	DB 500-1	79.80	102.05	106.65		106.71	0.000550	1.13	70.92	24.24	0.21
DROVE	CINCIANO	1	DB 200-1	72.57	102.05	106.35		106.42	0.000638	1.14	63.73	24.12	0.22
DROVE	CINCIANO	1	DB 100-1	64.12	102.05	106.26		106.31	0.000557	1.04	61.44	23.95	0.21
DROVE	CINCIANO	1	DB 30-1	44.33	102.05	105.47		105.52	0.000800	1.03	43.06	22.57	0.24
DROVE	CINCIANO	0.6	DB 500-1	76.50	102.03	106.64		106.69	0.000473	0.95	74.44	26.32	0.19
DROVE	CINCIANO	0.6	DB 200-1	72.48	102.03	106.33		106.39	0.000608	1.00	66.29	26.32	0.21
DROVE	CINCIANO	0.6	DB 100-1	64.11	102.03	106.24		106.29	0.000524	0.93	63.87	25.87	0.19
DROVE	CINCIANO	0.6	DB 30-1	44.19	102.03	105.44		105.49	0.000575	0.98	46.05	21.62	0.20
DROVE	CINCIANO	0.5	DB 500-1	76.49	102.03	106.64		106.69	0.000474	0.95	74.42	26.32	0.19
DROVE	CINCIANO	0.5	DB 200-1	72.48	102.03	106.33		106.39	0.000608	1.00	66.27	26.32	0.21
DROVE	CINCIANO	0.5	DB 100-1	64.11	102.03	106.24		106.29	0.000522	0.93	63.85	25.73	0.19
DROVE	CINCIANO	0.5	DB 30-1	44.19	102.03	105.44		105.49	0.000575	0.98	46.03	21.62	0.20
DROVE	VALLE	17.5	DB 500-1	190.59	101.77	105.83		106.57	0.008387	3.82	49.95	20.44	0.78
DROVE	VALLE	17.5	DB 200-1	167.79	101.77	105.53		106.27	0.009325	3.81	44.04	19.81	0.82
DROVE	VALLE	17.5	DB 100-1	159.42	101.77	105.46		106.17	0.009316	3.75	42.52	19.64	0.81
DROVE	VALLE	17.5	DB 30-1	101.34	101.77	104.94		105.41	0.006754	3.03	33.40	16.58	0.68
DROVE	VALLE	17.49	DB 500-1	190.59	101.77	105.81		106.56	0.008578	3.85	49.55	20.40	0.79
DROVE	VALLE	17.49	DB 200-1	167.79	101.77	105.51		106.27	0.009599	3.85	43.60	19.76	0.83
DROVE	VALLE	17.49	DB 100-1	159.42	101.77	105.44		106.17	0.009567	3.79	42.11	19.56	0.82
DROVE	VALLE	17.49	DB 30-1	101.33	101.77	104.93		105.41	0.006863	3.05	33.19	16.52	0.69
DROVE	VALLE	17.489		Lat Struct									
DROVE	VALLE	17.488		Lat Struct									
DROVE	VALLE	17.48		Lat Struct									
DROVE	VALLE	17	DB 500-1	188.03	100.53	104.68		105.25	0.006952	3.38	57.11	29.18	0.72
DROVE	VALLE	17	DB 200-1	163.56	100.53	104.50		105.02	0.006964	3.22	51.97	29.18	0.71
DROVE	VALLE	17	DB 100-1	157.62	100.53	104.40		104.94	0.007666	3.27	49.04	29.18	0.75
DROVE	VALLE	17	DB 30-1	96.95	100.53	103.88		104.27	0.007922	2.76	35.14	24.42	0.73
DROVE	VALLE	16.9		Lat Struct									
DROVE	VALLE	16.6	DB 500-1	169.76	100.00	104.72		105.07	0.003694	2.62	64.91	25.20	0.52
DROVE	VALLE	16.6	DB 200-1	151.77	100.00	104.48		104.82	0.003984	2.58	58.93	25.20	0.54
DROVE	VALLE	16.6	DB 100-1	143.89	100.00	104.32		104.67	0.004473	2.62	54.88	25.20	0.57
DROVE	VALLE	16.6	DB 30-1	94.80	100.00	103.73		104.02	0.004945	2.36	40.09	24.07	0.58
DROVE	VALLE	16.5*	DB 500-1	165.72	100.00	104.73		105.04	0.003303	2.48	68.48	28.17	0.49
DROVE	VALLE	16.5*	DB 200-1	149.06	100.00	104.48		104.81	0.003874	2.54	58.78	25.20	0.53
DROVE	VALLE	16.5*	DB 100-1	139.95	100.00	104.30		104.64	0.004346	2.57	54.41	25.20	0.56
DROVE	VALLE	16.5*	DB 30-1	94.39	100.00	103.70		103.99	0.005140	2.41	39.17	23.54	0.60
DROVE	VALLE	16	DB 500-1	168.34	99.47	104.37		104.72	0.003339	2.63	64.08	21.21	0.48
DROVE	VALLE	16	DB 200-1	146.33	99.47	104.22		104.52	0.002917	2.40	61.08	21.21	0.45
DROVE	VALLE	16	DB 100-1	136.67	99.47	104.09		104.37	0.002931	2.34	58.31	21.21	0.45
DROVE	VALLE	16	DB 30-1	95.76	99.47	103.57		103.78	0.002734	2.02	47.31	21.21	0.43
DROVE	VALLE	15.9		Lat Struct									
DROVE	VALLE	15	DB 500-1	183.14	98.80	104.00		104.43	0.003877	2.92	62.80	20.43	0.53
DROVE	VALLE	15	DB 200-1	174.32	98.80	103.71		104.19	0.004733	3.06	56.88	20.43	0.59
DROVE	VALLE	15	DB 100-1	168.20	98.80	103.51		104.03	0.005506	3.18	52.85	20.43	0.63
DROVE	VALLE	15	DB 30-1	126.41	98.80	102.99		103.44	0.005561	2.97	42.58	18.66	0.63

River	Reach	River Sta	Plan	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
DROVE	VALLE	14	DB 500-1	195.13	98.44	103.36		104.00	0.006090	3.55	54.99	18.79	0.66
DROVE	VALLE	14	DB 200-1	178.98	98.44	103.06		103.73	0.006857	3.62	49.40	18.08	0.70
DROVE	VALLE	14	DB 100-1	167.31	98.44	102.85		103.53	0.007557	3.67	45.59	17.80	0.73
DROVE	VALLE	14	DB 30-1	126.40	98.44	102.27		102.91	0.008989	3.56	35.46	17.04	0.79
DROVE	VALLE	13.8		Lat Struct									
DROVE	VALLE	13	DB 500-1	230.10	97.60	102.16		102.87	0.008315	3.73	61.61	26.89	0.79
DROVE	VALLE	13	DB 200-1	201.33	97.60	102.05		102.65	0.007399	3.43	58.64	26.71	0.74
DROVE	VALLE	13	DB 100-1	181.48	97.60	101.97		102.49	0.006691	3.21	56.62	26.60	0.70
DROVE	VALLE	13	DB 30-1	125.48	97.60	101.60		101.96	0.005360	2.67	47.07	24.95	0.62
DROVE	VALLE	12.9		Lat Struct									
DROVE	VALLE	12.8		Lat Struct									
DROVE	VALLE	12	DB 500-1	204.67	96.99	101.59		101.94	0.004445	2.78	78.43	40.18	0.56
DROVE	VALLE	12	DB 200-1	184.21	96.99	101.45		101.79	0.004528	2.71	72.83	40.01	0.56
DROVE	VALLE	12	DB 100-1	170.26	96.99	101.34		101.67	0.004678	2.68	68.47	39.89	0.57
DROVE	VALLE	12	DB 30-1	115.91	96.99	100.88		101.17	0.005520	2.53	50.25	39.35	0.60
DROVE	VALLE	11.9		Lat Struct									
DROVE	VALLE	11	DB 500-1	229.32	96.19	100.89		101.38	0.006113	3.20	76.08	41.59	0.66
DROVE	VALLE	11	DB 200-1	205.08	96.19	100.74		101.21	0.006276	3.11	69.77	41.26	0.66
DROVE	VALLE	11	DB 100-1	188.73	96.19	100.61		101.08	0.006640	3.09	64.51	40.98	0.68
DROVE	VALLE	11	DB 30-1	126.27	96.19	100.10		100.51	0.008048	2.86	44.39	32.43	0.72
DROVE	VALLE	10.9		Lat Struct									
DROVE	VALLE	10	DB 500-1	228.45	95.83	100.32		100.99	0.007755	3.93	66.97	40.66	0.75
DROVE	VALLE	10	DB 200-1	204.50	95.83	100.13	100.15	100.83	0.008718	4.00	59.21	39.28	0.79
DROVE	VALLE	10	DB 100-1	188.69	95.83	100.01	100.07	100.73	0.009217	4.02	54.48	39.00	0.80
DROVE	VALLE	10	DB 30-1	126.23	95.83	99.51	99.66	100.26	0.010678	3.87	35.44	37.36	0.84
DROVE	VALLE	9	DB 500-1	258.40	95.07	99.95		100.10	0.001295	1.82	157.03	78.00	0.34
DROVE	VALLE	9	DB 200-1	219.68	95.07	99.67		99.82	0.001398	1.77	135.80	77.48	0.35
DROVE	VALLE	9	DB 100-1	195.83	95.07	99.45		99.60	0.001567	1.77	119.49	70.52	0.36
DROVE	VALLE	9	DB 30-1	126.08	95.07	98.56		98.76	0.002977	1.95	64.56	36.68	0.47
DROVE	VALLE	8	DB 500-1	256.64	93.00	99.62		99.95	0.002101	2.62	105.31	33.66	0.37
DROVE	VALLE	8	DB 200-1	219.66	93.00	99.39		99.67	0.001856	2.40	97.54	33.49	0.35
DROVE	VALLE	8	DB 100-1	195.74	93.00	99.19		99.45	0.001734	2.27	90.93	33.34	0.34
DROVE	VALLE	8	DB 30-1	126.08	93.00	98.38		98.55	0.001366	1.81	69.52	18.18	0.30
DROVE	VALLE	7.9		Lat Struct									
DROVE	VALLE	7	DB 500-1	244.31	92.80	97.15		98.20	0.011580	4.54	53.83	22.59	0.94
DROVE	VALLE	7	DB 200-1	215.03	92.80	96.93		97.91	0.011441	4.37	49.16	21.62	0.93
DROVE	VALLE	7	DB 100-1	193.55	92.80	96.79		97.69	0.011063	4.21	46.02	20.94	0.91
DROVE	VALLE	7	DB 30-1	125.68	92.80	96.23		96.89	0.009619	3.58	35.13	18.39	0.83
DROVE	VALLE	6.8		Lat Struct									
DROVE	VALLE	6	DB 500-1	199.69	92.00	96.69		97.03	0.002868	2.59	77.24	25.23	0.47
DROVE	VALLE	6	DB 200-1	195.83	92.00	96.32		96.74	0.004109	2.89	67.82	25.23	0.56
DROVE	VALLE	6	DB 100-1	181.29	92.00	96.23		96.62	0.003930	2.77	65.44	25.23	0.55
DROVE	VALLE	6	DB 30-1	124.99	92.00	95.73		96.01	0.003552	2.36	52.96	24.72	0.51
DROVE	VALLE	5	DB 500-1	166.97	91.50	96.56		96.93	0.002897	2.77	63.98	23.48	0.46
DROVE	VALLE	5	DB 200-1	175.08	91.50	95.71		96.53	0.008242	4.04	44.53	20.22	0.77
DROVE	VALLE	5	DB 100-1	163.12	91.50	95.64		96.39	0.007775	3.87	43.16	19.76	0.75
DROVE	VALLE	5	DB 30-1	125.12	91.50	94.94		95.77	0.011685	4.03	31.04	15.10	0.90
DROVE	VALLE	4.1	DB 500-1	241.10	91.00	96.41	94.22	96.58	0.001103	1.91	132.80	40.33	0.31
DROVE	VALLE	4.1	DB 200-1	208.44	91.00	95.61	94.00	95.84	0.001861	2.17	100.74	40.33	0.39
DROVE	VALLE	4.1	DB 100-1	188.64	91.00	95.60	93.87	95.79	0.001549	1.97	100.16	40.33	0.36
DROVE	VALLE	4.1	DB 30-1	125.90	91.00	94.72	93.37	94.90	0.001988	1.90	66.57	30.56	0.39
DROVE	VALLE	4.05		Bridge									
DROVE	VALLE	4	DB 500-1	240.81	91.00	95.59		95.91	0.002529	2.52	100.10	40.33	0.45
DROVE	VALLE	4	DB 200-1	17.96	91.00	95.09		95.09	0.000026	0.23	79.95	39.40	0.05
DROVE	VALLE	4	DB 100-1	188.52	91.00	94.95		95.29	0.003455	2.58	74.45	37.98	0.52
DROVE	VALLE	4	DB 30-1	125.82	91.00	94.43		94.66	0.002843	2.15	58.60	26.38	0.46
DROVE	VALLE	3	DB 500-1	237.09	91.10	95.52		95.88	0.003545	2.66	89.06	35.13	0.53
DROVE	VALLE	3	DB 200-1	17.96	91.10	95.09		95.09	0.000035	0.24	74.44	33.55	0.05
DROVE	VALLE	3	DB 100-1	188.23	91.10	94.85		95.26	0.005337	2.83	66.47	32.66	0.63
DROVE	VALLE	3	DB 30-1	125.28	91.10	94.33		94.64	0.004603	2.46	50.88	27.48	0.58
DROVE	VALLE	2.9		Lat Struct									
DROVE	VALLE	2	DB 500-1	228.64	90.55	95.36		95.71	0.002356	2.72	90.15	30.22	0.46
DROVE	VALLE	2	DB 200-1	17.95	90.55	95.09		95.09	0.000019	0.23	81.97	29.49	0.04
DROVE	VALLE	2	DB 100-1	165.54	90.55	94.68		94.97	0.002644	2.50	70.01	28.38	0.47
DROVE	VALLE	2	DB 30-1	125.27	90.55	94.19		94.45	0.002930	2.32	56.43	27.08	0.48
DROVE	VALLE	1.1	DB 500-1	228.60	89.30	95.52		95.58	0.000362	1.10	207.96	56.54	0.18
DROVE	VALLE	1.1	DB 200-1	17.94	89.30	95.09		95.09	0.000003	0.10	183.98	54.86	0.02
DROVE	VALLE	1.1	DB 100-1	163.69	89.30	94.79		94.84	0.000353	0.98	167.72	53.70	0.18
DROVE	VALLE	1.1	DB 30-1	125.24	89.30	94.27		94.31	0.000354	0.89	140.33	51.67	0.17
DROVE	VALLE	1	DB 500-1	228.60	89.30	95.52	92.66	95.58	0.000362	1.10	207.94	56.54	0.18
DROVE	VALLE	1	DB 200-1	17.94	89.30	95.09	90.56	95.09	0.000003	0.10	183.98	54.86	0.02
DROVE	VALLE	1	DB 100-1	163.67	89.30	94.79	92.35	94.84	0.000353	0.98	167.70	53.69	0.18
DROVE	VALLE	1	DB 30-1	125.24	89.30	94.27	92.14	94.31	0.000354	0.89	140.31	51.67	0.17
BOZZONE	BOZZONE	100	DB 500-1	67.87	117.32	119.78		120.08	0.005281	2.93	38.15	47.38	0.70
BOZZONE	BOZZONE	100	DB 200-1	56.43	117.32	119.67		119.94	0.004984	2.73	33.06	42.51	0.67
BOZZONE	BOZZONE	100	DB 100-1	48.99	117.32	119.58		119.83	0.004816	2.59	29.50	39.01	0.65

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	100	DB 30-1	37.85	117.32	119.45		119.66	0.004271	2.31	24.70	35.27	0.60
BOZZONE	BOZZONE	90	DB 500-1	64.76	116.41	118.82	118.87	119.33	0.010422	3.35	23.76	31.03	0.94
BOZZONE	BOZZONE	90	DB 200-1	56.29	116.41	118.66	118.77	119.22	0.012876	3.43	19.28	27.22	1.02
BOZZONE	BOZZONE	90	DB 100-1	48.79	116.41	118.58	118.66	119.09	0.012907	3.26	17.08	25.15	1.01
BOZZONE	BOZZONE	90	DB 30-1	37.78	116.41	118.42	118.49	118.88	0.014220	3.07	13.34	21.14	1.03
BOZZONE	BOZZONE	80	DB 500-1	62.00	114.54	118.17		118.35	0.002630	2.20	42.47	40.73	0.47
BOZZONE	BOZZONE	80	DB 200-1	53.87	114.54	117.61	117.59	118.03	0.007753	3.12	23.08	28.60	0.78
BOZZONE	BOZZONE	80	DB 100-1	48.57	114.54	117.42	117.49	117.95	0.010022	3.40	18.10	23.17	0.87
BOZZONE	BOZZONE	80	DB 30-1	37.68	114.54	117.19	117.25	117.71	0.010400	3.29	13.33	18.21	0.87
BOZZONE	BOZZONE	78	DB 500-1	62.34	113.98	118.16		118.23	0.000867	1.45	65.34	51.09	0.29
BOZZONE	BOZZONE	78	DB 200-1	53.56	113.98	117.51		117.69	0.002544	2.05	35.88	39.74	0.47
BOZZONE	BOZZONE	78	DB 100-1	47.33	113.98	117.08		117.42	0.005795	2.62	21.25	27.48	0.68
BOZZONE	BOZZONE	78	DB 30-1	37.51	113.98	116.70	116.58	117.13	0.010054	2.93	13.06	14.97	0.86
BOZZONE	BOZZONE	77	DB 500-1	62.00	113.66	118.14		118.21	0.000769	1.40	67.25	46.37	0.26
BOZZONE	BOZZONE	77	DB 200-1	53.55	113.66	117.47		117.62	0.001845	1.89	40.57	34.44	0.39
BOZZONE	BOZZONE	77	DB 100-1	47.25	113.66	117.01		117.26	0.003595	2.39	26.20	27.03	0.54
BOZZONE	BOZZONE	77	DB 30-1	37.42	113.66	116.44	116.23	116.88	0.007526	2.97	14.02	15.90	0.75
BOZZONE	BOZZONE	76	DB 500-1	61.99	113.19	118.11		118.18	0.000527	1.32	73.37	49.00	0.22
BOZZONE	BOZZONE	76	DB 200-1	53.54	113.19	117.42		117.54	0.001170	1.69	43.89	35.52	0.32
BOZZONE	BOZZONE	76	DB 100-1	47.24	113.19	116.92		117.11	0.002175	2.02	28.68	25.30	0.43
BOZZONE	BOZZONE	76	DB 30-1	37.28	113.19	116.20		116.52	0.004996	2.51	15.26	12.65	0.62
BOZZONE	BOZZONE	75	DB 500-1	62.15	112.69	118.12		118.15	0.000242	0.91	104.68	64.31	0.16
BOZZONE	BOZZONE	75	DB 200-1	53.53	112.69	117.43		117.49	0.000522	1.16	65.07	49.37	0.22
BOZZONE	BOZZONE	75	DB 100-1	47.24	112.69	116.93		117.02	0.001010	1.42	42.58	40.24	0.30
BOZZONE	BOZZONE	75	DB 30-1	37.28	112.69	116.15		116.32	0.002841	1.87	20.20	17.99	0.47
BOZZONE	BOZZONE	72	DB 500-1	62.09	112.38	118.11		118.14	0.000235	0.90	88.93	59.82	0.16
BOZZONE	BOZZONE	72	DB 200-1	53.52	112.38	117.41		117.47	0.000447	1.06	54.81	37.37	0.21
BOZZONE	BOZZONE	72	DB 100-1	47.25	112.38	116.92		116.99	0.000610	1.16	40.79	18.47	0.24
BOZZONE	BOZZONE	72	DB 30-1	37.28	112.38	116.18		116.26	0.000897	1.26	29.50	14.11	0.28
BOZZONE	BOZZONE	70	DB 500-1	62.03	112.38	118.10	115.09	118.13	0.000237	0.90	88.33	59.51	0.16
BOZZONE	BOZZONE	70	DB 200-1	53.52	112.38	117.39	114.92	117.45	0.000460	1.07	54.07	36.57	0.21
BOZZONE	BOZZONE	70	DB 100-1	47.24	112.38	116.89	114.78	116.96	0.000627	1.17	40.30	16.95	0.24
BOZZONE	BOZZONE	70	DB 30-1	37.28	112.38	116.14	114.53	116.23	0.000947	1.29	28.91	13.97	0.29
BOZZONE	BOZZONE	69		Bridge									
BOZZONE	BOZZONE	68	DB 500-1	62.02	112.38	115.50		115.96	0.006435	3.00	20.65	11.88	0.73
BOZZONE	BOZZONE	68	DB 200-1	53.52	112.38	115.37		115.77	0.005918	2.80	19.08	11.44	0.69
BOZZONE	BOZZONE	68	DB 100-1	47.24	112.38	115.25		115.61	0.005571	2.66	17.78	11.06	0.67
BOZZONE	BOZZONE	68	DB 30-1	37.27	112.38	115.04		115.34	0.004950	2.40	15.56	10.36	0.62
BOZZONE	BOZZONE	60	DB 500-1	62.00	111.54	114.87		115.20	0.004462	3.11	33.32	31.79	0.59
BOZZONE	BOZZONE	60	DB 200-1	44.24	111.54	114.77		114.98	0.002785	2.40	30.27	30.01	0.46
BOZZONE	BOZZONE	60	DB 100-1	47.23	111.54	114.64		114.95	0.004143	2.83	26.63	27.75	0.56
BOZZONE	BOZZONE	60	DB 30-1	27.37	111.54	114.62		114.72	0.001480	1.68	25.84	27.23	0.33
BOZZONE	BOZZONE	59		Culvert									
BOZZONE	BOZZONE	58	DB 500-1	62.00	111.54	114.46	114.65	115.21	0.010633	4.33	21.86	24.46	0.89
BOZZONE	BOZZONE	58	DB 200-1	53.49	111.54	114.35	114.52	115.05	0.010198	4.10	19.21	22.43	0.86
BOZZONE	BOZZONE	58	DB 100-1	47.23	111.54	114.23	114.40	114.90	0.010188	3.96	16.77	19.31	0.85
BOZZONE	BOZZONE	58	DB 30-1	37.26	111.54	114.04	114.15	114.65	0.009745	3.65	13.45	16.90	0.82
BOZZONE	BOZZONE	50	DB 500-1	63.53	109.61	112.75		112.82	0.001374	1.54	65.13	56.48	0.34
BOZZONE	BOZZONE	50	DB 200-1	54.51	109.61	112.63		112.69	0.001374	1.48	58.24	54.56	0.34
BOZZONE	BOZZONE	50	DB 100-1	47.81	109.61	112.53		112.60	0.001359	1.42	53.13	53.08	0.33
BOZZONE	BOZZONE	50	DB 30-1	37.69	109.61	112.37		112.43	0.001340	1.33	44.81	50.20	0.32
BOZZONE	BOZZONE	48	DB 500-1	63.54	109.61	112.75		112.82	0.001383	1.54	64.98	56.44	0.34
BOZZONE	BOZZONE	48	DB 200-1	54.52	109.61	112.63		112.69	0.001384	1.48	58.09	54.51	0.34
BOZZONE	BOZZONE	48	DB 100-1	47.81	109.61	112.53		112.59	0.001369	1.42	52.98	53.04	0.33
BOZZONE	BOZZONE	48	DB 30-1	37.69	109.61	112.37		112.43	0.001352	1.33	44.67	50.15	0.33
BOZZONE	BOZZONE	45		Culvert									
BOZZONE	BOZZONE	42	DB 500-1	63.54	109.57	112.76		112.81	0.001059	1.36	75.85	67.70	0.31
BOZZONE	BOZZONE	42	DB 200-1	54.52	109.57	112.62		112.67	0.001092	1.32	67.02	64.93	0.31
BOZZONE	BOZZONE	42	DB 100-1	47.81	109.57	112.53		112.58	0.001087	1.27	60.96	62.97	0.31
BOZZONE	BOZZONE	42	DB 30-1	37.69	109.57	112.36		112.41	0.001103	1.20	50.84	59.54	0.30
BOZZONE	BOZZONE	40	DB 500-1	63.55	109.57	112.75		112.81	0.001065	1.37	75.71	67.65	0.31
BOZZONE	BOZZONE	40	DB 200-1	54.53	109.57	112.62		112.67	0.001100	1.33	66.86	64.88	0.31
BOZZONE	BOZZONE	40	DB 100-1	47.81	109.57	112.53		112.57	0.001093	1.28	60.82	62.92	0.31
BOZZONE	BOZZONE	40	DB 30-1	37.70	109.57	112.36		112.41	0.001111	1.20	50.71	59.50	0.31
BOZZONE	BOZZONE	20	DB 500-1	63.92	109.82	112.37	112.37	112.92	0.007404	3.45	23.17	24.14	0.81
BOZZONE	BOZZONE	20	DB 200-1	54.76	109.82	112.27	112.23	112.76	0.006852	3.20	20.85	23.37	0.77
BOZZONE	BOZZONE	20	DB 100-1	48.42	109.82	112.20	112.10	112.63	0.006378	3.00	19.21	22.80	0.74
BOZZONE	BOZZONE	20	DB 30-1	37.79	109.82	112.07		112.41	0.005461	2.63	16.28	20.67	0.68
BOZZONE	BOZZONE	16	DB 500-1	64.46	109.53	112.17		112.35	0.002284	2.22	40.59	34.22	0.50
BOZZONE	BOZZONE	16	DB 200-1	55.14	109.53	112.08		112.24	0.002076	2.06	37.59	34.10	0.47
BOZZONE	BOZZONE	16	DB 100-1	48.56	109.53	112.02		112.16	0.001891	1.92	35.48	34.02	0.45
BOZZONE	BOZZONE	16	DB 30-1	37.96	109.53	111.94		112.04	0.001445	1.63	32.70	33.91	0.39
BOZZONE	BOZZONE	15	DB 500-1	64.73	109.47	112.00		112.24	0.003459	2.46	31.95	30.32	0.59
BOZZONE	BOZZONE	15	DB 200-1	55.34	109.47	111.94		112.14	0.002984	2.25	30.13	30.23	0.54
BOZZONE	BOZZONE	15	DB 100-1	48.66	109.47	111.90		112.07	0.002589	2.07	28.91	30.16	0.50
BOZZONE	BOZZONE	15	DB 30-1	38.00	109.47	111.86		111.98	0.001772	1.70	27.72	30.10	0.42
BOZZONE	BOZZONE	14	DB 500-1	65.00	109.17	112.04		112.15	0.001423	1.71	47.38	42.37	0.39
BOZZONE	BOZZONE	14	DB 200-1	55.52	109.17	111.97		112.06	0.001239	1.57	44.53	42.25	0.36
BOZZONE	BOZZONE	14	DB 100-1	48.75	109.17	111.92		112.00	0.001081	1.45	42.60	42.17	0.34

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	14	DB 30-1	38.09	109.17	111.87		111.93	0.000754	1.20	40.60	42.09	0.28
BOZZONE	BOZZONE	13	DB 500-1	65.22	109.15	111.66	111.74	112.16	0.025090	2.95	21.04	29.66	0.63
BOZZONE	BOZZONE	13	DB 200-1	55.68	109.15	111.57	111.66	112.04	0.026901	2.91	18.43	27.74	0.62
BOZZONE	BOZZONE	13	DB 100-1	48.95	109.15	111.50	111.59	111.95	0.028275	2.87	16.59	26.29	0.61
BOZZONE	BOZZONE	13	DB 30-1	38.18	109.15	111.35	111.46	111.80	0.036352	2.97	12.85	23.08	0.64
BOZZONE	BOZZONE	12.6	DB 500-1	65.54	108.09	110.82	111.12	111.80	0.016093	4.45	15.83	17.17	1.17
BOZZONE	BOZZONE	12.6	DB 200-1	55.89	108.09	110.69	110.98	111.61	0.016369	4.29	13.62	16.62	1.16
BOZZONE	BOZZONE	12.6	DB 100-1	49.12	108.09	110.59	110.87	111.45	0.016357	4.12	11.91	9.13	1.15
BOZZONE	BOZZONE	12.6	DB 30-1	38.25	108.09	110.29	110.40	111.10	0.015630	4.00	9.56	7.24	1.11
BOZZONE	BOZZONE	12.4	DB 500-1	65.88	107.03	110.15	110.28	110.79	0.009071	3.63	20.27	22.49	0.89
BOZZONE	BOZZONE	12.4	DB 200-1	56.13	107.03	110.02	110.15	110.63	0.009192	3.51	17.28	22.07	0.89
BOZZONE	BOZZONE	12.4	DB 100-1	49.26	107.03	109.91	109.77	110.49	0.009136	3.37	14.96	21.74	0.88
BOZZONE	BOZZONE	12.4	DB 30-1	38.36	107.03	109.61		110.15	0.009676	3.25	11.80	8.61	0.89
BOZZONE	BOZZONE	12.2	DB 500-1	66.28	106.56	109.85		109.87	0.000331	0.68	110.00	78.72	0.16
BOZZONE	BOZZONE	12.2	DB 200-1	56.33	106.56	109.72		109.73	0.000322	0.63	99.42	77.63	0.16
BOZZONE	BOZZONE	12.2	DB 100-1	49.42	106.56	109.62		109.63	0.000312	0.60	91.82	76.84	0.15
BOZZONE	BOZZONE	12.2	DB 30-1	38.47	106.56	109.45		109.47	0.000284	0.54	80.17	66.20	0.15
BOZZONE	BOZZONE	12	DB 500-1	66.85	106.08	109.84		109.86	0.000195	0.73	130.70	90.28	0.14
BOZZONE	BOZZONE	12	DB 200-1	56.76	106.08	109.71		109.72	0.000187	0.70	118.63	88.39	0.13
BOZZONE	BOZZONE	12	DB 100-1	49.72	106.08	109.61		109.62	0.000180	0.67	109.97	87.01	0.13
BOZZONE	BOZZONE	12	DB 30-1	38.69	106.08	109.44		109.45	0.000164	0.61	95.82	84.71	0.12
BOZZONE	BOZZONE	11.9		Lat Struct									
BOZZONE	BOZZONE	11	DB 500-1	62.00	106.06	109.83		109.85	0.000234	0.78	94.88	69.13	0.15
BOZZONE	BOZZONE	11	DB 200-1	52.97	106.06	109.69		109.71	0.000226	0.74	85.79	66.11	0.15
BOZZONE	BOZZONE	11	DB 100-1	46.64	106.06	109.60		109.61	0.000217	0.71	79.41	63.91	0.14
BOZZONE	BOZZONE	11	DB 30-1	36.71	106.06	109.43		109.45	0.000198	0.65	69.25	60.23	0.13
BOZZONE	BOZZONE	10	DB 500-1	55.23	105.71	109.80	108.84	109.83	0.000343	0.94	72.18	49.85	0.18
BOZZONE	BOZZONE	10	DB 200-1	47.43	105.71	109.67	108.25	109.70	0.000335	0.91	65.70	49.85	0.18
BOZZONE	BOZZONE	10	DB 100-1	41.93	105.71	109.57	108.11	109.60	0.000326	0.88	60.96	49.85	0.18
BOZZONE	BOZZONE	10	DB 30-1	33.31	105.71	109.41	107.87	109.44	0.000305	0.82	53.02	49.85	0.17
BOZZONE	BOZZONE	9.5		Bridge									
BOZZONE	BOZZONE	9	DB 500-1	55.22	105.75	108.80	108.86	109.40	0.008135	3.52	17.69	20.24	0.83
BOZZONE	BOZZONE	9	DB 200-1	47.43	105.75	108.50		109.21	0.010696	3.72	12.74	7.89	0.94
BOZZONE	BOZZONE	9	DB 100-1	41.93	105.75	108.37		109.03	0.010419	3.58	11.73	7.59	0.92
BOZZONE	BOZZONE	9	DB 30-1	33.31	105.75	108.17		108.71	0.009527	3.27	10.20	7.10	0.87
BOZZONE	BOZZONE	8.9		Lat Struct									
BOZZONE	BOZZONE	8.8		Lat Struct									
BOZZONE	BOZZONE	8	DB 500-1	55.30	105.57	108.62		108.97	0.004552	2.83	23.25	16.50	0.62
BOZZONE	BOZZONE	8	DB 200-1	47.60	105.57	108.47		108.80	0.004506	2.73	20.80	16.10	0.62
BOZZONE	BOZZONE	8	DB 100-1	42.07	105.57	108.36		108.67	0.004461	2.64	18.94	15.79	0.61
BOZZONE	BOZZONE	8	DB 30-1	33.40	105.57	108.17		108.45	0.004221	2.45	16.04	15.30	0.59
BOZZONE	BOZZONE	7	DB 500-1	55.60	105.19	108.29	108.44	109.23	0.016210	4.31	12.91	9.06	1.12
BOZZONE	BOZZONE	7	DB 200-1	47.83	105.19	108.15	108.24	108.99	0.015563	4.08	11.73	8.15	1.08
BOZZONE	BOZZONE	7	DB 100-1	42.23	105.19	108.05	108.10	108.81	0.014629	3.87	10.92	7.81	1.04
BOZZONE	BOZZONE	7	DB 30-1	33.52	105.19	107.84	107.82	108.49	0.013574	3.56	9.41	7.13	0.99
BOZZONE	BOZZONE	6.5	DB 500-1	55.88	104.67	107.88		108.38	0.007928	3.13	17.88	12.02	0.82
BOZZONE	BOZZONE	6.5	DB 200-1	48.06	104.67	107.76		108.20	0.007407	2.92	16.44	11.64	0.78
BOZZONE	BOZZONE	6.5	DB 100-1	42.41	104.67	107.69		108.06	0.006688	2.72	15.59	11.37	0.74
BOZZONE	BOZZONE	6.5	DB 30-1	33.63	104.67	107.56		107.84	0.005506	2.38	14.15	10.92	0.67
BOZZONE	BOZZONE	6	DB 500-1	54.22	104.68	107.70	107.64	108.42	0.008495	3.85	15.41	10.77	0.87
BOZZONE	BOZZONE	6	DB 200-1	47.22	104.68	107.55	107.46	108.21	0.008578	3.67	13.83	10.41	0.86
BOZZONE	BOZZONE	6	DB 100-1	41.82	104.68	107.47		108.05	0.007895	3.42	13.02	9.88	0.82
BOZZONE	BOZZONE	6	DB 30-1	33.41	104.68	107.32		107.78	0.006885	3.01	11.64	8.90	0.76
BOZZONE	BOZZONE	5.5	DB 500-1	48.35	104.52	107.52		107.97	0.006845	2.97	16.26	10.39	0.76
BOZZONE	BOZZONE	5.5	DB 200-1	42.96	104.52	107.37		107.81	0.007232	2.92	14.74	10.28	0.78
BOZZONE	BOZZONE	5.5	DB 100-1	36.56	104.52	107.37		107.69	0.005263	2.49	14.71	10.28	0.66
BOZZONE	BOZZONE	5.5	DB 30-1	31.40	104.52	107.30		107.56	0.004469	2.24	14.01	10.18	0.61
BOZZONE	BOZZONE	5	DB 500-1	44.78	104.36	107.38		108.16	0.012482	3.91	11.44	6.44	0.94
BOZZONE	BOZZONE	5	DB 200-1	41.56	104.36	107.21	107.19	108.03	0.013778	4.00	10.39	6.15	0.98
BOZZONE	BOZZONE	5	DB 100-1	36.76	104.36	107.15		107.84	0.011850	3.67	10.03	6.09	0.91
BOZZONE	BOZZONE	5	DB 30-1	30.58	104.36	107.01		107.58	0.010486	3.34	9.16	5.95	0.86
BOZZONE	BOZZONE	4.7	DB 500-1	33.09	104.06	107.15		107.42	0.003867	2.38	14.98	10.02	0.56
BOZZONE	BOZZONE	4.7	DB 200-1	34.78	104.06	106.75	106.69	107.30	0.009598	3.32	11.01	9.65	0.87
BOZZONE	BOZZONE	4.7	DB 100-1	33.95	104.06	106.68	106.67	107.27	0.010538	3.41	10.40	9.57	0.90
BOZZONE	BOZZONE	4.7	DB 30-1	27.63	104.06	106.55	106.39	107.03	0.009490	3.09	9.13	9.39	0.85
BOZZONE	BOZZONE	4.4	DB 500-1	43.93	103.85	106.84		107.12	0.004188	2.51	20.22	14.53	0.61
BOZZONE	BOZZONE	4.4	DB 200-1	38.08	103.85	106.53		106.88	0.006383	2.82	15.69	14.22	0.74
BOZZONE	BOZZONE	4.4	DB 100-1	35.38	103.85	106.46		106.81	0.006506	2.79	14.75	14.11	0.74
BOZZONE	BOZZONE	4.4	DB 30-1	28.24	103.85	106.30		106.62	0.006362	2.61	12.50	13.85	0.72
BOZZONE	BOZZONE	4	DB 500-1	53.52	103.53	106.61	106.68	107.33	0.010920	3.94	15.36	11.57	0.94
BOZZONE	BOZZONE	4	DB 200-1	42.92	103.53	106.36	106.47	107.07	0.011625	3.85	12.50	11.13	0.95
BOZZONE	BOZZONE	4	DB 100-1	38.74	103.53	106.30	106.37	106.94	0.010834	3.65	11.83	11.07	0.91
BOZZONE	BOZZONE	4	DB 30-1	30.36	103.53	106.15	106.15	106.67	0.009431	3.26	10.17	10.92	0.84
BOZZONE	BOZZONE	3	DB 500-1	66.25	103.56	106.52	105.84	106.79	0.002441	2.47	32.10	19.10	0.49
BOZZONE	BOZZONE	3	DB 200-1	49.83	103.56	106.24	105.58	106.45	0.002190	2.16	26.96	17.71	0.46
BOZZONE	BOZZONE	3	DB 100-1	44.09	103.56	106.19	105.47	106.37	0.001878	1.97	26.06	17.37	0.42
BOZZONE	BOZZONE	3	DB 30-1	34.35	103.56	106.06	105.11	106.19	0.001450	1.66	23.85	16.46	0.37
BOZZONE	BOZZONE	2.5		Bridge									

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	2	DB 500-1	66.25	103.26	106.42		106.70	0.002714	2.52	31.78	19.30	0.52
BOZZONE	BOZZONE	2	DB 200-1	49.83	103.26	106.16		106.38	0.002395	2.20	26.89	19.30	0.48
BOZZONE	BOZZONE	2	DB 100-1	44.09	103.26	106.12		106.30	0.002029	2.00	26.07	19.30	0.44
BOZZONE	BOZZONE	2	DB 30-1	34.35	103.26	106.02		106.14	0.001511	1.67	24.04	19.30	0.37
BOZZONE	BOZZONE	1	DB 500-1	66.25	102.96	106.26	106.34	107.23	0.014855	4.37	15.18	8.68	1.05
BOZZONE	BOZZONE	1	DB 200-1	49.83	102.96	105.98	105.97	106.75	0.013318	3.88	12.83	8.19	0.99
BOZZONE	BOZZONE	1	DB 100-1	43.96	102.96	105.86	105.83	106.56	0.012971	3.71	11.83	7.97	0.97
BOZZONE	BOZZONE	1	DB 30-1	34.39	102.96	105.68		106.23	0.011286	3.30	10.44	7.68	0.90
BOZZONE	BOZZONE	0.99		Lat Struct									
BOZZONE	BOZZONE	.9*	DB 500-1	57.08	102.68	105.75	105.78	106.58	0.013624	4.03	14.15	8.88	1.02
BOZZONE	BOZZONE	.9*	DB 200-1	45.43	102.68	105.54	105.51	106.23	0.012766	3.70	12.29	8.50	0.98
BOZZONE	BOZZONE	.9*	DB 100-1	41.05	102.68	105.45	105.41	106.09	0.012427	3.55	11.55	8.36	0.96
BOZZONE	BOZZONE	.9*	DB 30-1	33.55	102.68	105.31		105.84	0.011136	3.22	10.42	8.13	0.91
BOZZONE	BOZZONE	.8*	DB 500-1	50.00	102.39	105.28	105.27	105.99	0.012374	3.72	13.44	9.15	0.98
BOZZONE	BOZZONE	.8*	DB 200-1	42.08	102.39	105.12	105.09	105.75	0.012233	3.53	11.93	8.83	0.97
BOZZONE	BOZZONE	.8*	DB 100-1	38.73	102.39	105.05	105.01	105.64	0.011997	3.42	11.34	8.73	0.96
BOZZONE	BOZZONE	.8*	DB 30-1	32.77	102.39	104.94		105.45	0.011190	3.17	10.35	8.56	0.92
BOZZONE	BOZZONE	.7*	DB 500-1	44.99	102.11	104.91		105.48	0.010171	3.34	13.48	9.52	0.90
BOZZONE	BOZZONE	.7*	DB 200-1	38.92	102.11	104.78		105.29	0.010020	3.18	12.24	9.29	0.88
BOZZONE	BOZZONE	.7*	DB 100-1	36.40	102.11	104.72		105.21	0.009918	3.10	11.73	9.20	0.88
BOZZONE	BOZZONE	.7*	DB 30-1	31.86	102.11	104.60		105.06	0.010067	2.99	10.65	9.00	0.88
BOZZONE	BOZZONE	.6*	DB 500-1	44.98	101.82	104.59		105.11	0.008993	3.21	14.23	11.77	0.85
BOZZONE	BOZZONE	.6*	DB 200-1	38.92	101.82	104.52		104.95	0.007916	2.92	13.42	11.26	0.79
BOZZONE	BOZZONE	.6*	DB 100-1	36.38	101.82	104.46		104.87	0.007867	2.85	12.82	10.87	0.79
BOZZONE	BOZZONE	.6*	DB 30-1	31.86	101.82	104.23		104.69	0.010573	3.01	10.59	9.36	0.90
BOZZONE	BOZZONE	0.5	DB 500-1	2.09	101.54	104.42	102.22	104.42	0.000012	0.12	18.77	18.78	0.03
BOZZONE	BOZZONE	0.5	DB 200-1	2.09	101.54	104.42	102.22	104.42	0.000012	0.12	18.77	18.78	0.03
BOZZONE	BOZZONE	0.5	DB 100-1	2.10	101.54	104.36	102.22	104.36	0.000014	0.13	17.64	18.78	0.03
BOZZONE	BOZZONE	0.5	DB 30-1	2.11	101.54	103.82	102.23	103.82	0.000055	0.21	10.11	9.59	0.06

River	Reach	River Sta	Plan	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
DROVE	TATTERA	16	DB 500-4	140.31	117.93	120.14		120.52	0.007830	2.73	51.36	36.13	0.73
DROVE	TATTERA	16	DB 200-4	115.38	117.93	120.00		120.32	0.007495	2.51	46.03	35.73	0.70
DROVE	TATTERA	16	DB 100-4	99.01	117.93	119.89		120.17	0.007287	2.35	42.18	35.43	0.69
DROVE	TATTERA	16	DB 30-4	74.35	117.93	119.70		119.92	0.006968	2.08	35.75	34.94	0.66
DROVE	TATTERA	15	DB 500-4	140.33	117.54	119.80		120.17	0.009220	2.73	51.48	41.65	0.78
DROVE	TATTERA	15	DB 200-4	115.37	117.54	119.63		119.97	0.009518	2.58	44.63	40.06	0.78
DROVE	TATTERA	15	DB 100-4	98.97	117.54	119.51		119.82	0.009728	2.48	39.99	38.94	0.78
DROVE	TATTERA	15	DB 30-4	74.34	117.54	119.33		119.59	0.009758	2.25	33.03	37.21	0.76
DROVE	TATTERA	14	DB 500-4	139.65	117.10	119.49		119.86	0.007619	2.70	51.68	36.20	0.72
DROVE	TATTERA	14	DB 200-4	115.36	117.10	119.35		119.66	0.007185	2.47	46.63	35.76	0.69
DROVE	TATTERA	14	DB 100-4	98.79	117.10	119.24		119.51	0.006837	2.30	42.94	35.43	0.67
DROVE	TATTERA	14	DB 30-4	74.33	117.10	119.10		119.30	0.005740	1.96	37.93	34.98	0.60
DROVE	TATTERA	13	DB 500-4	140.09	116.23	118.94	118.93	119.37	0.016504	2.93	47.85	53.55	0.99
DROVE	TATTERA	13	DB 200-4	115.37	116.23	118.79	118.79	119.21	0.017250	2.85	40.52	48.79	1.00
DROVE	TATTERA	13	DB 100-4	87.18	116.23	118.69		119.00	0.013524	2.43	35.85	45.49	0.87
DROVE	TATTERA	13	DB 30-4	74.31	116.23	118.55		118.87	0.015808	2.49	29.80	40.83	0.93
DROVE	TATTERA	12.9	DB 500-4	140.75	116.35	118.85		119.02	0.005055	1.83	77.02	72.10	0.56
DROVE	TATTERA	12.9	DB 200-4	115.41	116.35	118.69		118.85	0.004885	1.73	66.55	65.74	0.55
DROVE	TATTERA	12.9	DB 100-4	87.04	116.35	118.64		118.73	0.003360	1.39	62.66	65.25	0.45
DROVE	TATTERA	12.9	DB 30-4	74.31	116.35	118.58		118.66	0.002975	1.26	58.92	64.77	0.42
DROVE	TATTERA	12.5		Culvert									
DROVE	TATTERA	12.1	DB 500-4	140.75	116.35	118.51		118.85	0.013679	2.58	54.47	64.20	0.90
DROVE	TATTERA	12.1	DB 200-4	115.41	116.35	118.42		118.70	0.013201	2.37	48.62	63.44	0.87
DROVE	TATTERA	12.1	DB 100-4	99.06	116.35	118.33		118.60	0.014166	2.29	43.22	62.72	0.88
DROVE	TATTERA	12.1	DB 30-4	74.20	116.35	118.17		118.42	0.015157	2.19	33.82	55.04	0.89
DROVE	TATTERA	11.9	DB 500-4	115.96	114.91	117.88		118.01	0.002983	1.56	74.33	60.16	0.45
DROVE	TATTERA	11.9	DB 200-4	115.31	114.91	117.88		118.00	0.003003	1.56	73.93	60.16	0.45
DROVE	TATTERA	11.9	DB 100-4	99.00	114.91	117.76		117.87	0.002983	1.48	67.11	59.22	0.44
DROVE	TATTERA	11.9	DB 30-4	73.55	114.91	117.56		117.65	0.002707	1.32	55.52	53.51	0.42
DROVE	TATTERA	11.5		Culvert									
DROVE	TATTERA	11.1	DB 500-4	140.38	114.91	117.50		117.86	0.011547	2.68	52.32	51.92	0.85
DROVE	TATTERA	11.1	DB 200-4	119.26	114.91	117.36		117.71	0.012147	2.63	45.41	48.29	0.86
DROVE	TATTERA	11.1	DB 100-4	99.00	114.91	117.23		117.55	0.012324	2.52	39.25	44.81	0.86
DROVE	TATTERA	11.1	DB 30-4	74.08	114.91	117.03		117.32	0.012785	2.38	31.11	39.74	0.86
DROVE	TATTERA	10	DB 500-4	140.33	110.17	113.20	113.16	113.77	0.014411	3.34	41.99	34.85	0.97
DROVE	TATTERA	10	DB 200-4	116.93	110.17	113.00	112.95	113.55	0.014571	3.31	35.35	29.93	0.97
DROVE	TATTERA	10	DB 100-4	98.97	110.17	112.84	112.78	113.36	0.014010	3.21	30.86	26.50	0.95
DROVE	TATTERA	10	DB 30-4	73.68	110.17	112.60		113.04	0.012228	2.93	25.13	22.20	0.88
DROVE	TATTERA	9	DB 500-4	140.20	108.80	111.04		111.51	0.012982	3.04	46.17	40.90	0.91
DROVE	TATTERA	9	DB 200-4	115.37	108.80	110.89		111.31	0.012720	2.86	40.38	38.61	0.89
DROVE	TATTERA	9	DB 100-4	98.96	108.80	110.79		111.16	0.012986	2.72	36.41	38.13	0.89
DROVE	TATTERA	9	DB 30-4	72.92	108.80	110.64		110.93	0.011816	2.36	30.95	37.46	0.83
DROVE	TATTERA	8	DB 500-4	139.95	107.28	110.10		110.34	0.005915	2.16	65.50	61.20	0.63
DROVE	TATTERA	8	DB 200-4	115.37	107.28	109.96		110.17	0.006055	2.02	57.26	55.35	0.62
DROVE	TATTERA	8	DB 100-4	98.95	107.28	109.84		110.03	0.005965	1.95	50.80	49.25	0.61
DROVE	TATTERA	8	DB 30-4	68.05	107.28	109.70		109.82	0.004253	1.54	44.17	47.22	0.51
DROVE	TATTERA	7.9	DB 500-4	139.54	106.13	109.73		109.87	0.002182	1.77	88.37	63.59	0.39
DROVE	TATTERA	7.9	DB 200-4	115.36	106.13	109.57		109.70	0.002104	1.66	78.56	63.33	0.38
DROVE	TATTERA	7.9	DB 100-4	95.99	106.13	109.47		109.57	0.001879	1.51	71.83	63.15	0.36
DROVE	TATTERA	7.9	DB 30-4	72.05	106.13	109.25		109.34	0.001849	1.38	58.40	62.80	0.35
DROVE	TATTERA	7.5		Culvert									
DROVE	TATTERA	7.1	DB 500-4	139.22	106.13	109.13	109.13	109.58	0.009823	3.03	50.60	62.59	0.80
DROVE	TATTERA	7.1	DB 200-4	115.37	106.13	108.92	108.82	109.39	0.012183	3.06	38.77	46.32	0.87
DROVE	TATTERA	7.1	DB 100-4	98.94	106.13	108.78		109.23	0.013417	2.97	33.31	30.91	0.90
DROVE	TATTERA	7.1	DB 30-4	84.11	106.13	108.60	108.54	109.05	0.015370	3.00	28.05	27.43	0.95
DROVE	TATTERA	6.9	DB 500-4	141.81	105.40	109.05	108.12	109.13	0.001376	1.27	112.29	70.55	0.32
DROVE	TATTERA	6.9	DB 200-4	115.37	105.40	108.79	107.96	108.87	0.001619	1.23	94.30	69.98	0.33
DROVE	TATTERA	6.9	DB 100-4	98.20	105.40	108.64	107.84	108.71	0.001727	1.17	83.87	69.65	0.34
DROVE	TATTERA	6.9	DB 30-4	79.68	105.40	108.52	107.69	108.58	0.001610	1.06	75.50	69.38	0.32
DROVE	TATTERA	6.5		Bridge									
DROVE	TATTERA	6.1	DB 500-4	140.43	105.40	108.80		108.91	0.002372	1.49	94.62	69.99	0.41
DROVE	TATTERA	6.1	DB 200-4	115.34	105.40	108.41		108.56	0.004885	1.71	67.50	69.06	0.55
DROVE	TATTERA	6.1	DB 100-4	98.94	105.40	108.19		108.36	0.007082	1.87	52.87	62.13	0.65
DROVE	TATTERA	6.1	DB 30-4	80.61	105.40	107.86		108.12	0.011637	2.28	35.36	44.48	0.82
DROVE	TATTERA	5	DB 500-4	139.24	104.52	108.23		108.83	0.007690	3.43	40.55	17.84	0.73
DROVE	TATTERA	5	DB 200-4	112.48	104.52	107.80		108.38	0.008872	3.40	33.12	16.78	0.77
DROVE	TATTERA	5	DB 100-4	98.94	104.52	107.57		108.15	0.009659	3.36	29.44	16.34	0.80
DROVE	TATTERA	5	DB 30-4	78.94	104.52	107.25		107.79	0.010644	3.25	24.29	15.33	0.82
DROVE	TATTERA	4.9		Lat Struct									
DROVE	TATTERA	4	DB 500-4	131.60	103.89	108.25		108.38	0.001336	1.64	80.22	30.24	0.32
DROVE	TATTERA	4	DB 200-4	112.03	103.89	107.68		107.84	0.001903	1.76	63.52	28.44	0.38
DROVE	TATTERA	4	DB 100-4	98.87	103.89	107.38		107.55	0.002216	1.79	55.30	27.29	0.40
DROVE	TATTERA	4	DB 30-4	77.46	103.89	106.97		107.13	0.002567	1.74	44.50	25.62	0.42
DROVE	TATTERA	3.9	DB 500-4	139.40	102.52	107.82	106.66	108.30	0.005174	3.05	45.70	14.39	0.55
DROVE	TATTERA	3.9	DB 200-4	113.14	102.52	107.31	106.35	107.75	0.005634	2.95	38.41	13.89	0.57
DROVE	TATTERA	3.9	DB 100-4	98.87	102.52	107.04	106.16	107.45	0.005756	2.84	34.76	13.63	0.57
DROVE	TATTERA	3.9	DB 30-4	77.34	102.52	106.70	105.89	107.03	0.005387	2.57	30.09	13.29	0.55
DROVE	TATTERA	3.5		Bridge									

River	Reach	River Sta	Plan	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
DROVE	TATTERA	3.1	DB 500-4	139.40	102.52	107.00		107.85	0.011967	4.07	34.24	13.59	0.82
DROVE	TATTERA	3.1	DB 200-4	112.97	102.52	106.73		107.43	0.010959	3.69	30.58	13.33	0.78
DROVE	TATTERA	3.1	DB 100-4	98.82	102.52	106.57		107.19	0.010350	3.47	28.48	13.17	0.75
DROVE	TATTERA	3.1	DB 30-4	76.99	102.52	106.14		106.72	0.012162	3.37	22.85	12.75	0.80
DROVE	TATTERA	2.9		Lat Struct									
DROVE	TATTERA	2.8		Lat Struct									
DROVE	TATTERA	2	DB 500-4	138.59	102.56	106.95		107.02	0.000465	1.11	124.55	40.29	0.20
DROVE	TATTERA	2	DB 200-4	112.87	102.56	106.66		106.71	0.000413	1.00	113.02	39.29	0.19
DROVE	TATTERA	2	DB 100-4	98.79	102.56	106.49		106.54	0.000380	0.93	106.33	38.69	0.18
DROVE	TATTERA	2	DB 30-4	75.47	102.56	105.95		105.99	0.000435	0.88	85.87	37.70	0.19
DROVE	TATTERA	1.1	DB 500-4	135.13	102.12	106.92		107.00	0.000535	1.27	105.57	30.00	0.21
DROVE	TATTERA	1.1	DB 200-4	112.47	102.12	106.63		106.70	0.000482	1.15	96.92	30.00	0.20
DROVE	TATTERA	1.1	DB 100-4	98.78	102.12	106.46		106.52	0.000438	1.07	91.89	30.00	0.19
DROVE	TATTERA	1.1	DB 30-4	75.42	102.12	105.93		105.98	0.000448	1.00	76.13	29.06	0.19
DROVE	TATTERA	1	DB 500-4	135.13	102.12	106.92		107.00	0.000535	1.27	105.55	30.00	0.21
DROVE	TATTERA	1	DB 200-4	112.46	102.12	106.63		106.70	0.000482	1.15	96.90	30.00	0.20
DROVE	TATTERA	1	DB 100-4	98.78	102.12	106.46		106.52	0.000439	1.07	91.87	30.00	0.19
DROVE	TATTERA	1	DB 30-4	75.42	102.12	105.93		105.98	0.000448	1.00	76.12	29.06	0.19
DROVE	CINCIANO	15	DB 500-4	123.23	106.71	109.99		110.88	0.012727	4.19	29.43	14.19	0.93
DROVE	CINCIANO	15	DB 200-4	98.75	106.71	109.64	109.56	110.46	0.013431	4.01	24.65	13.33	0.94
DROVE	CINCIANO	15	DB 100-4	82.81	106.71	109.40	109.33	110.16	0.013950	3.86	21.48	12.73	0.95
DROVE	CINCIANO	15	DB 30-4	59.88	106.71	109.03	108.97	109.67	0.014483	3.55	16.89	11.80	0.95
DROVE	CINCIANO	14	DB 500-4	122.75	105.91	109.71		109.88	0.003010	1.84	66.61	39.95	0.46
DROVE	CINCIANO	14	DB 200-4	98.19	105.91	109.11		109.37	0.006654	2.26	43.54	34.86	0.64
DROVE	CINCIANO	14	DB 100-4	82.75	105.91	108.71		109.06	0.008104	2.60	31.82	23.17	0.71
DROVE	CINCIANO	14	DB 30-4	59.88	105.91	108.21		108.58	0.009464	2.69	22.22	17.01	0.75
DROVE	CINCIANO	13.9		Lat Struct									
DROVE	CINCIANO	13	DB 500-4	122.79	104.67	109.44		109.64	0.001826	1.95	63.08	22.25	0.37
DROVE	CINCIANO	13	DB 200-4	98.40	104.67	108.67		108.90	0.002850	2.12	46.39	20.74	0.45
DROVE	CINCIANO	13	DB 100-4	82.66	104.67	108.19		108.45	0.004015	2.25	36.71	19.84	0.53
DROVE	CINCIANO	13	DB 30-4	59.82	104.67	107.52		107.82	0.005626	2.42	24.75	15.40	0.61
DROVE	CINCIANO	12.9	DB 500-4	122.79	104.66	109.54	107.60	109.61	0.000705	1.13	108.37	46.99	0.24
DROVE	CINCIANO	12.9	DB 200-4	98.36	104.66	108.76	107.38	108.85	0.001355	1.34	73.39	40.75	0.32
DROVE	CINCIANO	12.9	DB 100-4	82.66	104.66	108.28	107.20	108.39	0.002027	1.50	55.06	34.84	0.38
DROVE	CINCIANO	12.9	DB 30-4	59.78	104.66	107.58	106.85	107.74	0.003777	1.78	33.66	26.31	0.50
DROVE	CINCIANO	12.5		Bridge									
DROVE	CINCIANO	12.1	DB 500-4	122.79	104.66	109.11		109.21	0.001303	1.39	88.19	44.97	0.32
DROVE	CINCIANO	12.1	DB 200-4	98.36	104.66	108.48		108.61	0.002063	1.57	62.49	37.35	0.39
DROVE	CINCIANO	12.1	DB 100-4	82.66	104.66	108.09		108.24	0.002783	1.70	48.74	32.56	0.44
DROVE	CINCIANO	12.1	DB 30-4	59.78	104.66	107.50		107.68	0.004394	1.88	31.72	25.39	0.54
DROVE	CINCIANO	11	DB 500-4	122.78	104.43	109.04		109.20	0.002226	1.77	69.22	34.92	0.40
DROVE	CINCIANO	11	DB 200-4	98.36	104.43	108.40		108.60	0.003068	1.98	49.57	26.53	0.46
DROVE	CINCIANO	11	DB 100-4	82.66	104.43	108.01		108.23	0.003328	2.06	40.20	21.41	0.48
DROVE	CINCIANO	11	DB 30-4	59.78	104.43	107.48		107.67	0.002647	1.95	30.65	14.41	0.43
DROVE	CINCIANO	10.9	DB 500-4	122.78	104.21	108.62	107.50	109.20	0.006102	3.36	36.56	10.54	0.58
DROVE	CINCIANO	10.9	DB 200-4	98.35	104.21	108.04	107.16	108.57	0.006489	3.23	30.48	10.35	0.60
DROVE	CINCIANO	10.9	DB 100-4	82.66	104.21	107.71	106.91	108.19	0.006399	3.05	27.08	10.24	0.60
DROVE	CINCIANO	10.9	DB 30-4	59.76	104.21	107.28	106.53	107.63	0.005567	2.64	22.66	10.10	0.56
DROVE	CINCIANO	10.5		Bridge									
DROVE	CINCIANO	10.1	DB 500-4	122.78	104.21	107.66		108.75	0.014978	4.63	26.52	10.22	0.92
DROVE	CINCIANO	10.1	DB 200-4	98.33	104.21	107.46		108.28	0.011996	4.01	24.53	10.16	0.82
DROVE	CINCIANO	10.1	DB 100-4	82.63	104.21	107.37		107.99	0.009479	3.50	23.59	10.13	0.73
DROVE	CINCIANO	10.1	DB 30-4	59.76	104.21	107.08		107.51	0.007247	2.89	20.69	10.03	0.64
DROVE	CINCIANO	10.09		Lat Struct									
DROVE	CINCIANO	9	DB 500-4	122.76	104.21	107.95		108.46	0.006677	3.16	38.89	17.79	0.68
DROVE	CINCIANO	9	DB 200-4	98.35	104.21	107.80		108.18	0.005337	2.71	36.27	17.66	0.60
DROVE	CINCIANO	9	DB 100-4	82.65	104.21	107.64		107.95	0.004807	2.47	33.42	17.27	0.57
DROVE	CINCIANO	9	DB 30-4	59.76	104.21	107.25		107.48	0.003274	2.14	27.89	13.17	0.47
DROVE	CINCIANO	8	DB 500-4	100.94	103.05	107.89		108.13	0.003153	2.19	46.16	20.14	0.46
DROVE	CINCIANO	8	DB 200-4	86.40	103.05	107.63		107.86	0.003172	2.10	41.13	19.25	0.46
DROVE	CINCIANO	8	DB 100-4	79.16	103.05	107.34		107.59	0.003988	2.23	35.53	18.21	0.51
DROVE	CINCIANO	8	DB 30-4	59.76	103.05	106.87		107.11	0.004665	2.18	27.44	16.59	0.54
DROVE	CINCIANO	7.9	DB 500-4	100.94	103.59	108.00	106.34	108.11	0.001066	1.50	68.85	28.59	0.30
DROVE	CINCIANO	7.9	DB 200-4	86.40	103.59	107.74	106.16	107.84	0.001079	1.43	61.43	27.36	0.29
DROVE	CINCIANO	7.9	DB 100-4	79.16	103.59	107.45	105.99	107.56	0.001322	1.49	53.81	26.05	0.32
DROVE	CINCIANO	7.9	DB 30-4	59.75	103.59	106.98	105.69	107.08	0.001537	1.43	42.05	23.87	0.34
DROVE	CINCIANO	7.5		Bridge									
DROVE	CINCIANO	7.1	DB 500-4	100.94	103.59	107.82		107.95	0.001320	1.61	63.84	27.77	0.33
DROVE	CINCIANO	7.1	DB 200-4	86.37	103.59	107.62		107.73	0.001257	1.51	58.20	26.81	0.32
DROVE	CINCIANO	7.1	DB 100-4	79.16	103.59	107.36		107.48	0.001500	1.56	51.49	25.63	0.34
DROVE	CINCIANO	7.1	DB 30-4	59.75	103.59	106.95		107.06	0.001608	1.45	41.41	23.74	0.34
DROVE	CINCIANO	6.9	DB 500-4	100.94	103.68	107.76	106.36	107.95	0.001897	1.91	52.96	19.42	0.37
DROVE	CINCIANO	6.9	DB 200-4	86.37	103.68	107.57	106.19	107.73	0.001730	1.76	49.21	19.26	0.35
DROVE	CINCIANO	6.9	DB 100-4	79.16	103.68	107.32	106.07	107.48	0.001990	1.79	44.33	19.05	0.37
DROVE	CINCIANO	6.9	DB 30-4	59.74	103.68	106.92	105.69	107.05	0.001984	1.62	36.87	18.73	0.37
DROVE	CINCIANO	6.5		Bridge									

River	Reach	River Sta	Plan	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
DROVE	CINCIANO	6.1	DB 500-4	100.93	103.68	107.57		107.78	0.002362	2.05	49.22	19.26	0.41
DROVE	CINCIANO	6.1	DB 200-4	86.38	103.68	107.44		107.62	0.002016	1.85	46.77	19.15	0.38
DROVE	CINCIANO	6.1	DB 100-4	79.15	103.68	107.24		107.41	0.002192	1.84	42.93	18.99	0.39
DROVE	CINCIANO	6.1	DB 30-4	59.74	103.68	106.89		107.02	0.002095	1.65	36.22	18.70	0.38
DROVE	CINCIANO	6.09		Lat Struct									
DROVE	CINCIANO	6.08		Lat Struct									
DROVE	CINCIANO	5	DB 500-4	100.75	103.29	107.39		107.78	0.004722	2.80	36.03	14.71	0.57
DROVE	CINCIANO	5	DB 200-4	86.32	103.29	107.30		107.61	0.003846	2.48	34.78	14.71	0.52
DROVE	CINCIANO	5	DB 100-4	73.52	103.29	107.11		107.38	0.003561	2.29	32.04	14.70	0.50
DROVE	CINCIANO	5	DB 30-4	59.73	103.29	106.78		107.02	0.003618	2.19	27.23	13.60	0.49
DROVE	CINCIANO	4	DB 500-4	89.97	102.83	107.38		107.67	0.003538	2.37	37.91	13.80	0.46
DROVE	CINCIANO	4	DB 200-4	77.96	102.83	107.28		107.51	0.002969	2.14	36.51	13.80	0.42
DROVE	CINCIANO	4	DB 100-4	69.95	102.83	107.03		107.26	0.003193	2.11	33.12	13.80	0.44
DROVE	CINCIANO	4	DB 30-4	59.38	102.83	106.62		106.86	0.003935	2.16	27.51	13.44	0.48
DROVE	CINCIANO	3.9	DB 500-4	85.70	102.98	107.25	105.99	107.56	0.004139	2.46	34.80	15.01	0.52
DROVE	CINCIANO	3.9	DB 200-4	80.55	102.98	107.15	105.90	107.44	0.004109	2.42	33.26	14.61	0.51
DROVE	CINCIANO	3.9	DB 100-4	72.13	102.98	106.89	105.74	107.19	0.004427	2.43	29.66	13.62	0.53
DROVE	CINCIANO	3.9	DB 30-4	59.39	102.98	106.51	105.48	106.80	0.004581	2.40	24.77	11.74	0.53
DROVE	CINCIANO	3.5		Bridge									
DROVE	CINCIANO	3.1	DB 500-4	92.44	102.98	106.67		107.28	0.009471	3.46	26.75	12.77	0.76
DROVE	CINCIANO	3.1	DB 200-4	80.28	102.98	106.40		106.99	0.009283	3.42	23.50	11.02	0.75
DROVE	CINCIANO	3.1	DB 100-4	78.22	102.98	106.22		106.89	0.010721	3.62	21.61	10.28	0.80
DROVE	CINCIANO	3.1	DB 30-4	59.42	102.98	105.75		106.37	0.011669	3.48	17.07	9.26	0.82
DROVE	CINCIANO	3.09		Lat Struct									
DROVE	CINCIANO	3.08		Lat Struct									
DROVE	CINCIANO	2	DB 500-4	92.38	102.49	106.93		107.02	0.000726	1.30	71.06	23.53	0.24
DROVE	CINCIANO	2	DB 200-4	80.65	102.49	106.65		106.73	0.000755	1.25	64.47	23.53	0.24
DROVE	CINCIANO	2	DB 100-4	78.22	102.49	106.48		106.57	0.000875	1.30	60.38	23.53	0.26
DROVE	CINCIANO	2	DB 30-4	59.32	102.49	105.96		106.04	0.001036	1.23	48.13	23.22	0.27
DROVE	CINCIANO	1	DB 500-4	88.15	102.05	106.93		106.99	0.000502	1.13	77.68	24.24	0.20
DROVE	CINCIANO	1	DB 200-4	80.41	102.05	106.63		106.70	0.000569	1.14	70.49	24.24	0.21
DROVE	CINCIANO	1	DB 100-4	78.20	102.05	106.45		106.52	0.000660	1.18	66.15	24.24	0.23
DROVE	CINCIANO	1	DB 30-4	59.26	102.05	105.92		105.99	0.000727	1.11	53.55	23.37	0.23
DROVE	CINCIANO	0.6	DB 500-4	78.73	102.03	106.94		106.98	0.000369	0.89	82.25	26.32	0.17
DROVE	CINCIANO	0.6	DB 200-4	77.47	102.03	106.62		106.68	0.000496	0.97	73.92	26.32	0.19
DROVE	CINCIANO	0.6	DB 100-4	77.60	102.03	106.43		106.50	0.000617	1.04	68.93	26.32	0.21
DROVE	CINCIANO	0.6	DB 30-4	59.20	102.03	105.90		105.96	0.000577	1.05	56.07	22.44	0.20
DROVE	CINCIANO	0.5	DB 500-4	78.73	102.03	106.94		106.98	0.000369	0.89	82.24	26.32	0.17
DROVE	CINCIANO	0.5	DB 200-4	77.47	102.03	106.62		106.68	0.000496	0.97	73.90	26.32	0.19
DROVE	CINCIANO	0.5	DB 100-4	77.60	102.03	106.43		106.50	0.000618	1.04	68.91	26.32	0.21
DROVE	CINCIANO	0.5	DB 30-4	59.19	102.03	105.90		105.96	0.000578	1.05	56.05	22.44	0.20
DROVE	VALLE	17.5	DB 500-4	214.50	101.77	106.14		106.88	0.007582	3.79	56.59	21.49	0.75
DROVE	VALLE	17.5	DB 200-4	189.79	101.77	105.83		106.56	0.008320	3.80	49.94	20.44	0.78
DROVE	VALLE	17.5	DB 100-4	176.39	101.77	105.62		106.38	0.009284	3.86	45.67	19.98	0.82
DROVE	VALLE	17.5	DB 30-4	134.85	101.77	105.20		105.85	0.008527	3.56	37.85	17.53	0.77
DROVE	VALLE	17.49	DB 500-4	214.50	101.77	106.13		106.87	0.007706	3.81	56.25	21.44	0.75
DROVE	VALLE	17.49	DB 200-4	189.79	101.77	105.81		106.56	0.008506	3.83	49.55	20.40	0.78
DROVE	VALLE	17.49	DB 100-4	176.39	101.77	105.59		106.37	0.009545	3.90	45.23	19.93	0.83
DROVE	VALLE	17.49	DB 30-4	134.85	101.77	105.19		105.84	0.008742	3.59	37.51	17.47	0.78
DROVE	VALLE	17.489		Lat Struct									
DROVE	VALLE	17.488		Lat Struct									
DROVE	VALLE	17.48		Lat Struct									
DROVE	VALLE	17	DB 500-4	229.77	100.53	104.82		105.56	0.008446	3.86	61.16	29.18	0.80
DROVE	VALLE	17	DB 200-4	196.22	100.53	104.61		105.28	0.008434	3.65	55.08	29.18	0.79
DROVE	VALLE	17	DB 100-4	176.02	100.53	104.47		105.10	0.008464	3.52	51.12	29.18	0.79
DROVE	VALLE	17	DB 30-4	134.01	100.53	104.19		104.69	0.008139	3.14	42.96	26.89	0.76
DROVE	VALLE	16.9		Lat Struct									
DROVE	VALLE	16.6	DB 500-4	203.39	100.00	104.88		105.32	0.004426	2.96	68.82	25.20	0.57
DROVE	VALLE	16.6	DB 200-4	180.02	100.00	104.56		105.00	0.005093	2.96	60.78	25.20	0.61
DROVE	VALLE	16.6	DB 100-4	166.83	100.00	104.34		104.80	0.005893	3.02	55.23	25.20	0.65
DROVE	VALLE	16.6	DB 30-4	132.07	100.00	103.99		104.40	0.006378	2.85	46.41	25.20	0.67
DROVE	VALLE	16.5*	DB 500-4	197.85	100.00	104.90		105.28	0.003827	2.77	73.20	28.17	0.53
DROVE	VALLE	16.5*	DB 200-4	176.82	100.00	104.55		104.98	0.004974	2.92	60.54	25.20	0.60
DROVE	VALLE	16.5*	DB 100-4	164.88	100.00	104.30		104.77	0.006051	3.03	54.36	25.20	0.66
DROVE	VALLE	16.5*	DB 30-4	131.67	100.00	103.93		104.37	0.007016	2.93	44.94	25.20	0.70
DROVE	VALLE	16	DB 500-4	201.23	99.47	104.38		104.88	0.004709	3.13	64.36	21.21	0.57
DROVE	VALLE	16	DB 200-4	170.74	99.47	104.21		104.61	0.004014	2.80	60.87	21.21	0.53
DROVE	VALLE	16	DB 100-4	159.59	99.47	104.07		104.46	0.004105	2.76	57.80	21.21	0.53
DROVE	VALLE	16	DB 30-4	127.66	99.47	103.76		104.08	0.003784	2.49	51.30	21.21	0.51
DROVE	VALLE	15.9		Lat Struct									
DROVE	VALLE	15	DB 500-4	195.70	98.80	104.16		104.60	0.003811	2.96	66.03	20.43	0.53
DROVE	VALLE	15	DB 200-4	184.76	98.80	103.83		104.32	0.004682	3.11	59.33	20.43	0.58
DROVE	VALLE	15	DB 100-4	176.00	98.80	103.58		104.12	0.005547	3.24	54.32	20.43	0.63
DROVE	VALLE	15	DB 30-4	148.54	98.80	103.27		103.76	0.005693	3.10	47.86	19.97	0.64

River	Reach	River Sta	Plan	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
DROVE	VALLE	14	DB 500-4	212.91	98.44	103.63		104.27	0.005611	3.55	59.95	18.81	0.63
DROVE	VALLE	14	DB 200-4	190.45	98.44	103.19		103.88	0.006831	3.68	51.73	18.34	0.70
DROVE	VALLE	14	DB 100-4	174.44	98.44	102.93		103.63	0.007469	3.70	47.11	17.91	0.73
DROVE	VALLE	14	DB 30-4	148.28	98.44	102.49		103.21	0.009138	3.77	39.31	17.33	0.80
DROVE	VALLE	13.8		Lat Struct									
DROVE	VALLE	13	DB 500-4	255.12	97.60	102.25		103.06	0.009071	3.98	64.09	27.03	0.83
DROVE	VALLE	13	DB 200-4	215.94	97.60	102.10		102.76	0.007869	3.59	60.17	26.80	0.76
DROVE	VALLE	13	DB 100-4	192.27	97.60	102.01		102.58	0.007120	3.34	57.62	26.65	0.72
DROVE	VALLE	13	DB 30-4	145.05	97.60	101.79		102.19	0.005436	2.80	51.82	25.64	0.63
DROVE	VALLE	12.9		Lat Struct									
DROVE	VALLE	12.8		Lat Struct									
DROVE	VALLE	12	DB 500-4	221.71	96.99	101.69		102.06	0.004479	2.85	82.38	40.29	0.56
DROVE	VALLE	12	DB 200-4	194.39	96.99	101.53		101.87	0.004441	2.73	75.88	40.10	0.56
DROVE	VALLE	12	DB 100-4	176.96	96.99	101.40		101.73	0.004551	2.68	70.85	39.95	0.56
DROVE	VALLE	12	DB 30-4	141.89	96.99	101.10		101.41	0.005176	2.63	58.78	39.60	0.59
DROVE	VALLE	11.9		Lat Struct									
DROVE	VALLE	11	DB 500-4	246.78	96.19	100.98		101.50	0.006088	3.27	80.10	41.80	0.66
DROVE	VALLE	11	DB 200-4	218.52	96.19	100.83		101.31	0.006145	3.16	73.46	41.45	0.66
DROVE	VALLE	11	DB 100-4	198.32	96.19	100.69		101.16	0.006315	3.09	68.00	41.17	0.67
DROVE	VALLE	11	DB 30-4	153.67	96.19	100.33		100.78	0.007492	3.00	53.06	40.37	0.71
DROVE	VALLE	10.9		Lat Struct									
DROVE	VALLE	10	DB 500-4	246.32	95.83	100.42		101.11	0.007614	3.99	71.03	40.76	0.75
DROVE	VALLE	10	DB 200-4	218.51	95.83	100.25		100.93	0.008145	3.95	63.78	40.58	0.76
DROVE	VALLE	10	DB 100-4	198.31	95.83	100.09	100.12	100.79	0.008833	3.99	57.56	39.18	0.79
DROVE	VALLE	10	DB 30-4	153.05	95.83	99.78	99.87	100.47	0.009330	3.85	45.64	38.47	0.80
DROVE	VALLE	9	DB 500-4	291.49	95.07	100.00		100.18	0.001532	2.00	161.09	78.00	0.37
DROVE	VALLE	9	DB 200-4	241.88	95.07	99.84		99.99	0.001326	1.79	148.56	78.00	0.34
DROVE	VALLE	9	DB 100-4	211.50	95.07	99.61		99.75	0.001431	1.76	130.81	75.42	0.35
DROVE	VALLE	9	DB 30-4	155.35	95.07	98.98		99.15	0.002203	1.85	89.26	59.36	0.41
DROVE	VALLE	8	DB 500-4	262.33	93.00	99.65		99.99	0.002137	2.65	106.44	33.68	0.37
DROVE	VALLE	8	DB 200-4	241.36	93.00	99.53		99.84	0.002004	2.53	102.14	33.59	0.36
DROVE	VALLE	8	DB 100-4	211.70	93.00	99.33		99.61	0.001806	2.35	95.63	33.44	0.34
DROVE	VALLE	8	DB 30-4	154.87	93.00	98.75		98.96	0.001543	2.03	77.31	25.80	0.32
DROVE	VALLE	7.9		Lat Struct									
DROVE	VALLE	7	DB 500-4	269.28	92.80	97.70		98.52	0.007396	4.00	68.74	33.11	0.76
DROVE	VALLE	7	DB 200-4	232.25	92.80	97.11		98.09	0.010932	4.39	52.96	22.42	0.91
DROVE	VALLE	7	DB 100-4	208.50	92.80	96.91		97.85	0.011127	4.30	48.54	21.49	0.91
DROVE	VALLE	7	DB 30-4	154.91	92.80	96.51		97.26	0.010079	3.84	40.35	19.65	0.86
DROVE	VALLE	6.8		Lat Struct									
DROVE	VALLE	6	DB 500-4	183.06	92.00	97.36		97.55	0.001327	1.95	94.08	25.23	0.32
DROVE	VALLE	6	DB 200-4	177.47	92.00	96.91		97.15	0.001838	2.15	82.73	25.23	0.38
DROVE	VALLE	6	DB 100-4	185.58	92.00	96.43		96.78	0.003276	2.63	70.50	25.23	0.50
DROVE	VALLE	6	DB 30-4	151.11	92.00	96.03		96.35	0.003497	2.50	60.41	25.23	0.52
DROVE	VALLE	5	DB 500-4	126.59	91.50	97.39		97.51	0.000787	1.61	83.47	23.48	0.24
DROVE	VALLE	5	DB 200-4	142.45	91.50	96.88		97.10	0.001543	2.12	71.58	23.48	0.34
DROVE	VALLE	5	DB 100-4	157.11	91.50	96.23		96.66	0.003625	2.95	56.32	23.48	0.52
DROVE	VALLE	5	DB 30-4	141.17	91.50	95.39		96.09	0.008008	3.71	38.42	18.05	0.76
DROVE	VALLE	4.1	DB 500-4	244.27	91.00	97.18	94.25	97.29	0.000600	1.56	163.91	40.33	0.23
DROVE	VALLE	4.1	DB 200-4	222.18	91.00	96.74	94.10	96.86	0.000700	1.59	146.31	40.33	0.25
DROVE	VALLE	4.1	DB 100-4	205.74	91.00	96.17	93.99	96.32	0.001003	1.75	123.26	40.33	0.29
DROVE	VALLE	4.1	DB 30-4	153.55	91.00	95.38	93.60	95.53	0.001336	1.75	91.27	40.05	0.33
DROVE	VALLE	4.05		Bridge									
DROVE	VALLE	4	DB 500-4	222.08	91.00	96.64		96.77	0.000760	1.64	142.30	40.33	0.26
DROVE	VALLE	4	DB 200-4	222.18	91.00	96.23		96.40	0.001105	1.86	125.65	40.33	0.31
DROVE	VALLE	4	DB 100-4	204.57	91.00	95.68		95.89	0.001649	2.07	103.69	40.33	0.37
DROVE	VALLE	4	DB 30-4	152.94	91.00	95.06		95.26	0.001986	1.99	78.80	39.33	0.39
DROVE	VALLE	3	DB 500-4	222.07	91.10	96.62		96.77	0.001019	1.71	129.97	38.44	0.30
DROVE	VALLE	3	DB 200-4	222.18	91.10	96.20		96.39	0.001512	1.95	113.86	37.53	0.36
DROVE	VALLE	3	DB 100-4	204.56	91.10	95.64		95.88	0.002298	2.19	93.34	35.58	0.43
DROVE	VALLE	3	DB 30-4	152.94	91.10	95.02		95.25	0.002775	2.12	71.98	33.28	0.46
DROVE	VALLE	2.9		Lat Struct									
DROVE	VALLE	2	DB 500-4	212.70	90.55	96.58		96.73	0.000704	1.81	130.43	34.84	0.26
DROVE	VALLE	2	DB 200-4	218.92	90.55	96.13		96.33	0.001090	2.11	114.49	34.84	0.32
DROVE	VALLE	2	DB 100-4	204.55	90.55	95.54		95.78	0.001593	2.31	95.41	30.68	0.38
DROVE	VALLE	2	DB 30-4	152.89	90.55	94.92		95.13	0.001684	2.10	77.10	29.04	0.38
DROVE	VALLE	1.1	DB 500-4	202.38	89.30	96.67		96.70	0.000117	0.73	278.34	62.48	0.11
DROVE	VALLE	1.1	DB 200-4	215.35	89.30	96.23		96.27	0.000182	0.86	250.86	62.48	0.13
DROVE	VALLE	1.1	DB 100-4	204.53	89.30	95.65		95.70	0.000261	0.95	215.33	57.05	0.16
DROVE	VALLE	1.1	DB 30-4	152.80	89.30	95.01		95.05	0.000250	0.85	179.63	54.55	0.15
DROVE	VALLE	1	DB 500-4	202.38	89.30	96.67	92.54	96.70	0.000117	0.73	278.34	62.48	0.11
DROVE	VALLE	1	DB 200-4	215.34	89.30	96.23	92.60	96.27	0.000182	0.86	250.84	62.48	0.13
DROVE	VALLE	1	DB 100-4	204.53	89.30	95.65	92.55	95.70	0.000262	0.95	215.31	57.05	0.16
DROVE	VALLE	1	DB 30-4	152.80	89.30	95.01	92.30	95.05	0.000250	0.85	179.61	54.55	0.15
BOZZONE	BOZZONE	100	DB 500-4	39.23	117.32	119.47		119.68	0.004368	2.35	25.25	35.72	0.61
BOZZONE	BOZZONE	100	DB 200-4	32.26	117.32	119.38		119.57	0.003853	2.12	22.39	33.32	0.57
BOZZONE	BOZZONE	100	DB 100-4	27.77	117.32	119.32		119.48	0.003588	1.98	20.17	31.34	0.55

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	100	DB 30-4	21.29	117.32	119.23		119.35	0.002830	1.69	17.62	28.89	0.48
BOZZONE	BOZZONE	90	DB 500-4	39.22	116.41	118.44	118.51	118.91	0.014139	3.10	13.77	21.64	1.03
BOZZONE	BOZZONE	90	DB 200-4	32.26	116.41	118.33	118.39	118.76	0.015017	2.94	11.55	18.93	1.04
BOZZONE	BOZZONE	90	DB 100-4	27.77	116.41	118.25	118.30	118.65	0.016112	2.84	10.09	16.67	1.06
BOZZONE	BOZZONE	90	DB 30-4	21.29	116.41	118.12	118.16	118.47	0.017148	2.64	8.13	14.32	1.06
BOZZONE	BOZZONE	80	DB 500-4	39.22	114.54	117.22	117.29	117.75	0.010254	3.31	14.02	18.94	0.87
BOZZONE	BOZZONE	80	DB 200-4	32.26	114.54	117.06	117.07	117.56	0.010543	3.17	11.19	15.71	0.87
BOZZONE	BOZZONE	80	DB 100-4	27.77	114.54	116.92	116.82	117.41	0.011258	3.10	9.20	11.54	0.88
BOZZONE	BOZZONE	80	DB 30-4	21.29	114.54	116.68		117.11	0.011951	2.93	7.26	6.57	0.89
BOZZONE	BOZZONE	78	DB 500-4	39.22	113.98	116.75	116.62	117.18	0.009430	2.91	13.96	16.76	0.84
BOZZONE	BOZZONE	78	DB 200-4	32.26	113.98	116.53		116.97	0.011694	2.93	11.00	10.38	0.91
BOZZONE	BOZZONE	78	DB 100-4	27.77	113.98	116.36		116.81	0.012299	2.96	9.37	8.93	0.92
BOZZONE	BOZZONE	78	DB 30-4	21.29	113.98	116.12		116.53	0.011290	2.86	7.45	6.84	0.87
BOZZONE	BOZZONE	77	DB 500-4	39.22	113.66	116.51	116.30	116.93	0.007080	2.94	15.20	17.29	0.73
BOZZONE	BOZZONE	77	DB 200-4	32.26	113.66	116.22	116.03	116.69	0.009248	3.05	10.95	11.49	0.82
BOZZONE	BOZZONE	77	DB 100-4	27.77	113.66	116.03		116.50	0.010649	3.04	9.14	7.80	0.87
BOZZONE	BOZZONE	77	DB 30-4	21.29	113.66	115.75		116.19	0.011720	2.94	7.23	6.50	0.89
BOZZONE	BOZZONE	76	DB 500-4	39.22	113.19	116.33		116.63	0.004401	2.44	16.92	14.69	0.58
BOZZONE	BOZZONE	76	DB 200-4	32.26	113.19	115.87		116.24	0.007180	2.71	11.89	8.31	0.72
BOZZONE	BOZZONE	76	DB 100-4	27.77	113.19	115.59		116.01	0.009103	2.86	9.72	7.53	0.80
BOZZONE	BOZZONE	76	DB 30-4	21.29	113.19	115.29		115.69	0.010494	2.82	7.54	6.65	0.85
BOZZONE	BOZZONE	75	DB 500-4	39.22	112.69	116.30		116.46	0.002342	1.78	23.12	21.46	0.43
BOZZONE	BOZZONE	75	DB 200-4	32.26	112.69	115.76		115.97	0.003405	2.05	15.74	9.48	0.51
BOZZONE	BOZZONE	75	DB 100-4	27.77	112.69	115.44		115.67	0.004386	2.17	12.80	8.59	0.57
BOZZONE	BOZZONE	75	DB 30-4	21.29	112.69	115.05		115.29	0.005490	2.20	9.66	7.54	0.62
BOZZONE	BOZZONE	72	DB 500-4	39.22	112.38	116.32		116.40	0.000833	1.25	31.50	14.57	0.27
BOZZONE	BOZZONE	72	DB 200-4	32.26	112.38	115.81		115.90	0.001104	1.32	24.48	12.89	0.31
BOZZONE	BOZZONE	72	DB 100-4	27.77	112.38	115.49		115.58	0.001320	1.36	20.47	11.83	0.33
BOZZONE	BOZZONE	72	DB 30-4	21.29	112.38	115.09		115.18	0.001497	1.33	16.01	10.50	0.34
BOZZONE	BOZZONE	70	DB 500-4	39.22	112.38	116.28	114.58	116.37	0.000875	1.27	30.93	14.44	0.28
BOZZONE	BOZZONE	70	DB 200-4	32.26	112.38	115.76	114.39	115.85	0.001192	1.36	23.80	12.72	0.32
BOZZONE	BOZZONE	70	DB 100-4	27.77	112.38	115.42	114.26	115.52	0.001463	1.41	19.70	11.62	0.35
BOZZONE	BOZZONE	70	DB 30-4	21.29	112.38	115.01	114.04	115.11	0.001719	1.40	15.20	10.24	0.37
BOZZONE	BOZZONE	69		Bridge									
BOZZONE	BOZZONE	68	DB 500-4	29.84	112.38	115.14		115.30	0.002707	1.81	16.51	10.66	0.46
BOZZONE	BOZZONE	68	DB 200-4	30.25	112.38	115.11		115.29	0.002913	1.86	16.23	10.57	0.48
BOZZONE	BOZZONE	68	DB 100-4	25.27	112.38	114.92		115.08	0.002872	1.77	14.26	9.93	0.47
BOZZONE	BOZZONE	68	DB 30-4	21.29	112.38	114.71		114.86	0.003050	1.74	12.26	9.22	0.48
BOZZONE	BOZZONE	60	DB 500-4	29.82	111.54	114.69		114.80	0.001513	1.73	27.78	28.48	0.34
BOZZONE	BOZZONE	60	DB 200-4	30.03	111.54	114.68		114.80	0.001539	1.74	27.74	28.45	0.34
BOZZONE	BOZZONE	60	DB 100-4	27.76	111.54	114.63		114.74	0.001478	1.69	26.22	27.48	0.33
BOZZONE	BOZZONE	60	DB 30-4	21.29	111.54	114.47		114.55	0.001240	1.48	21.98	24.55	0.30
BOZZONE	BOZZONE	59		Culvert									
BOZZONE	BOZZONE	58	DB 500-4	39.22	111.54	114.09	114.19	114.70	0.009604	3.68	14.30	17.55	0.82
BOZZONE	BOZZONE	58	DB 200-4	37.24	111.54	114.01	114.15	114.66	0.010579	3.76	12.87	16.44	0.85
BOZZONE	BOZZONE	58	DB 100-4	30.22	111.54	113.86	113.83	114.43	0.009961	3.46	10.56	14.54	0.82
BOZZONE	BOZZONE	58	DB 30-4	21.29	111.54	113.59	113.39	114.04	0.009255	3.00	7.67	8.50	0.77
BOZZONE	BOZZONE	50	DB 500-4	40.88	109.61	112.43		112.49	0.001323	1.35	47.81	51.27	0.32
BOZZONE	BOZZONE	50	DB 200-4	33.62	109.61	112.31		112.36	0.001316	1.28	41.46	48.97	0.32
BOZZONE	BOZZONE	50	DB 100-4	28.94	109.61	112.22		112.27	0.001292	1.23	37.35	47.77	0.31
BOZZONE	BOZZONE	50	DB 30-4	22.19	109.61	112.07		112.12	0.001300	1.15	30.45	46.12	0.31
BOZZONE	BOZZONE	48	DB 500-4	40.89	109.61	112.43		112.49	0.001333	1.35	47.69	51.23	0.33
BOZZONE	BOZZONE	48	DB 200-4	33.63	109.61	112.30		112.36	0.001328	1.29	41.32	48.92	0.32
BOZZONE	BOZZONE	48	DB 100-4	28.95	109.61	112.22		112.27	0.001303	1.23	37.23	47.74	0.31
BOZZONE	BOZZONE	48	DB 30-4	22.19	109.61	112.07		112.12	0.001313	1.16	30.34	46.09	0.31
BOZZONE	BOZZONE	45		Culvert									
BOZZONE	BOZZONE	42	DB 500-4	40.89	109.57	112.42		112.47	0.001080	1.22	54.43	60.78	0.30
BOZZONE	BOZZONE	42	DB 200-4	33.63	109.57	112.30		112.34	0.001083	1.16	47.02	58.20	0.30
BOZZONE	BOZZONE	42	DB 100-4	28.95	109.57	112.21		112.25	0.001071	1.11	42.20	56.45	0.30
BOZZONE	BOZZONE	42	DB 30-4	22.19	109.57	112.06		112.10	0.001119	1.05	33.88	53.74	0.30
BOZZONE	BOZZONE	40	DB 500-4	40.90	109.57	112.42		112.47	0.001088	1.22	54.30	60.74	0.30
BOZZONE	BOZZONE	40	DB 200-4	33.64	109.57	112.30		112.34	0.001091	1.16	46.89	58.15	0.30
BOZZONE	BOZZONE	40	DB 100-4	28.95	109.57	112.21		112.25	0.001079	1.11	42.07	56.41	0.30
BOZZONE	BOZZONE	40	DB 30-4	22.20	109.57	112.06		112.10	0.001131	1.06	33.75	53.71	0.30
BOZZONE	BOZZONE	20	DB 500-4	41.15	109.82	112.11	111.80	112.48	0.005809	2.76	17.17	21.34	0.70
BOZZONE	BOZZONE	20	DB 200-4	33.84	109.82	112.02		112.32	0.004920	2.44	15.37	19.95	0.64
BOZZONE	BOZZONE	20	DB 100-4	29.13	109.82	111.95		112.20	0.004356	2.23	14.06	18.22	0.60
BOZZONE	BOZZONE	20	DB 30-4	22.33	109.82	111.87		112.04	0.003229	1.84	12.57	15.58	0.51
BOZZONE	BOZZONE	16	DB 500-4	41.59	109.53	111.97		112.08	0.001602	1.74	33.67	33.95	0.41
BOZZONE	BOZZONE	16	DB 200-4	34.20	109.53	111.91		112.00	0.001266	1.51	31.79	33.87	0.36
BOZZONE	BOZZONE	16	DB 100-4	29.44	109.53	111.87		111.94	0.001050	1.36	30.48	33.82	0.33
BOZZONE	BOZZONE	16	DB 30-4	22.57	109.53	111.81		111.86	0.000745	1.11	28.21	32.86	0.27
BOZZONE	BOZZONE	15	DB 500-4	41.79	109.47	111.88		112.01	0.002058	1.84	28.13	30.12	0.45
BOZZONE	BOZZONE	15	DB 200-4	34.37	109.47	111.85		111.95	0.001515	1.56	27.27	30.08	0.38
BOZZONE	BOZZONE	15	DB 100-4	29.59	109.47	111.83		111.90	0.001210	1.39	26.53	30.04	0.34
BOZZONE	BOZZONE	15	DB 30-4	22.68	109.47	111.77		111.83	0.000824	1.13	25.01	29.42	0.28
BOZZONE	BOZZONE	14	DB 500-4	41.97	109.17	111.89		111.95	0.000876	1.29	41.25	42.11	0.30
BOZZONE	BOZZONE	14	DB 200-4	34.52	109.17	111.86		111.90	0.000651	1.11	39.86	42.06	0.26
BOZZONE	BOZZONE	14	DB 100-4	29.71	109.17	111.83		111.87	0.000522	0.98	38.73	42.01	0.23

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	14	DB 30-4	22.78	109.17	111.78		111.80	0.000356	0.80	36.48	41.29	0.19
BOZZONE	BOZZONE	13	DB 500-4	42.13	109.15	111.40	111.51	111.86	0.033907	2.96	14.08	24.18	0.64
BOZZONE	BOZZONE	13	DB 200-4	34.65	109.15	111.31	111.42	111.74	0.038148	2.95	11.83	22.13	0.64
BOZZONE	BOZZONE	13	DB 100-4	29.83	109.15	111.24	111.35	111.66	0.042459	2.96	10.30	20.60	0.64
BOZZONE	BOZZONE	13	DB 30-4	22.87	109.15	111.11	110.30	111.54	0.050202	3.02	7.96	17.12	0.66
BOZZONE	BOZZONE	12.6	DB 500-4	42.36	108.09	110.39	110.73	111.25	0.015614	4.10	10.32	7.52	1.12
BOZZONE	BOZZONE	12.6	DB 200-4	34.84	108.09	110.20	110.30	110.97	0.015416	3.89	8.96	7.01	1.10
BOZZONE	BOZZONE	12.6	DB 100-4	29.99	108.09	110.07	110.15	110.78	0.015225	3.73	8.04	6.65	1.08
BOZZONE	BOZZONE	12.6	DB 30-4	22.99	108.09	109.86	109.90	110.46	0.014539	3.43	6.70	6.08	1.04
BOZZONE	BOZZONE	12.4	DB 500-4	42.66	107.03	109.70		110.29	0.010088	3.38	12.61	8.96	0.91
BOZZONE	BOZZONE	12.4	DB 200-4	35.08	107.03	109.54		110.04	0.009201	3.12	11.23	8.38	0.86
BOZZONE	BOZZONE	12.4	DB 100-4	30.20	107.03	109.44		109.87	0.008366	2.91	10.38	8.01	0.82
BOZZONE	BOZZONE	12.4	DB 30-4	16.90	107.03	109.37		109.52	0.002998	1.71	9.86	7.78	0.49
BOZZONE	BOZZONE	12.2	DB 500-4	43.01	106.56	109.53		109.54	0.000296	0.56	85.02	66.86	0.15
BOZZONE	BOZZONE	12.2	DB 200-4	35.37	106.56	109.41		109.42	0.000272	0.52	77.08	65.78	0.14
BOZZONE	BOZZONE	12.2	DB 100-4	30.45	106.56	109.33		109.33	0.000251	0.49	71.79	65.05	0.13
BOZZONE	BOZZONE	12.2	DB 30-4	23.35	106.56	109.21		109.22	0.000207	0.43	64.38	64.02	0.12
BOZZONE	BOZZONE	12	DB 500-4	43.35	106.08	109.51		109.53	0.000171	0.63	101.97	85.72	0.13
BOZZONE	BOZZONE	12	DB 200-4	35.65	106.08	109.40		109.40	0.000158	0.59	91.85	84.06	0.12
BOZZONE	BOZZONE	12	DB 100-4	30.69	106.08	109.32		109.32	0.000146	0.56	85.16	82.94	0.12
BOZZONE	BOZZONE	12	DB 30-4	23.54	106.08	109.20		109.21	0.000121	0.49	75.87	81.36	0.10
BOZZONE	BOZZONE	11.9		Lat Struct									
BOZZONE	BOZZONE	11	DB 500-4	40.96	106.06	109.50		109.52	0.000208	0.67	73.62	61.84	0.14
BOZZONE	BOZZONE	11	DB 200-4	34.01	106.06	109.39		109.40	0.000192	0.63	66.48	59.19	0.13
BOZZONE	BOZZONE	11	DB 100-4	29.50	106.06	109.31		109.32	0.000178	0.59	61.84	57.40	0.13
BOZZONE	BOZZONE	11	DB 30-4	22.88	106.06	109.19		109.20	0.000146	0.52	55.60	54.80	0.11
BOZZONE	BOZZONE	10	DB 500-4	37.03	105.71	109.48	107.98	109.51	0.000316	0.85	56.50	49.85	0.17
BOZZONE	BOZZONE	10	DB 200-4	30.98	105.71	109.37	107.80	109.39	0.000297	0.81	50.78	49.85	0.17
BOZZONE	BOZZONE	10	DB 100-4	27.02	105.71	109.29	107.68	109.31	0.000280	0.77	46.93	49.85	0.16
BOZZONE	BOZZONE	10	DB 30-4	21.12	105.71	109.18	107.47	109.20	0.000234	0.68	41.57	49.85	0.15
BOZZONE	BOZZONE	9.5		Bridge									
BOZZONE	BOZZONE	9	DB 500-4	37.03	105.75	108.25		108.85	0.010031	3.42	10.83	7.31	0.90
BOZZONE	BOZZONE	9	DB 200-4	30.98	105.75	108.11		108.62	0.009223	3.17	9.78	6.96	0.85
BOZZONE	BOZZONE	9	DB 100-4	27.02	105.75	108.01		108.46	0.008500	2.97	9.10	6.73	0.82
BOZZONE	BOZZONE	9	DB 30-4	21.12	105.75	107.83		108.19	0.007435	2.66	7.96	6.33	0.76
BOZZONE	BOZZONE	8.9		Lat Struct									
BOZZONE	BOZZONE	8.8		Lat Struct									
BOZZONE	BOZZONE	8	DB 500-4	37.15	105.57	108.25		108.54	0.004394	2.55	17.23	15.50	0.60
BOZZONE	BOZZONE	8	DB 200-4	31.10	105.57	108.10		108.38	0.004249	2.41	15.04	15.12	0.59
BOZZONE	BOZZONE	8	DB 100-4	27.13	105.57	107.99		108.25	0.004228	2.33	13.34	14.82	0.58
BOZZONE	BOZZONE	8	DB 30-4	21.20	105.57	107.77		108.02	0.004416	2.22	10.15	14.24	0.58
BOZZONE	BOZZONE	7	DB 500-4	37.37	105.19	107.95	107.95	108.64	0.013662	3.66	10.21	7.49	1.00
BOZZONE	BOZZONE	7	DB 200-4	31.25	105.19	107.74	107.67	108.39	0.012665	3.59	8.71	5.95	0.95
BOZZONE	BOZZONE	7	DB 100-4	27.26	105.19	107.57	107.51	108.20	0.012988	3.52	7.75	5.54	0.95
BOZZONE	BOZZONE	7	DB 30-4	21.30	105.19	107.33		107.88	0.012433	3.28	6.49	4.95	0.92
BOZZONE	BOZZONE	6.5	DB 500-4	37.52	104.67	107.62		107.95	0.005952	2.52	14.89	11.15	0.70
BOZZONE	BOZZONE	6.5	DB 200-4	31.24	104.67	107.50		107.77	0.005324	2.30	13.59	10.73	0.65
BOZZONE	BOZZONE	6.5	DB 100-4	27.39	104.67	107.42		107.66	0.004980	2.16	12.67	10.42	0.63
BOZZONE	BOZZONE	6.5	DB 30-4	21.41	104.67	107.23		107.43	0.004892	2.00	10.72	9.79	0.61
BOZZONE	BOZZONE	6	DB 500-4	37.22	104.68	107.37		107.90	0.007702	3.25	12.07	9.21	0.81
BOZZONE	BOZZONE	6	DB 200-4	30.80	104.68	107.29		107.69	0.006343	2.85	11.33	8.65	0.72
BOZZONE	BOZZONE	6	DB 100-4	27.34	104.68	107.23		107.58	0.005686	2.64	10.79	8.54	0.68
BOZZONE	BOZZONE	6	DB 30-4	21.45	104.68	107.08		107.35	0.004840	2.32	9.53	8.37	0.62
BOZZONE	BOZZONE	5.5	DB 500-4	34.47	104.52	107.33		107.63	0.005125	2.42	14.25	10.21	0.65
BOZZONE	BOZZONE	5.5	DB 200-4	29.26	104.52	107.26		107.49	0.004310	2.16	13.52	10.10	0.60
BOZZONE	BOZZONE	5.5	DB 100-4	26.65	104.52	107.17		107.39	0.004303	2.11	12.62	9.81	0.59
BOZZONE	BOZZONE	5.5	DB 30-4	21.49	104.52	106.99		107.19	0.003642	1.95	11.04	8.41	0.54
BOZZONE	BOZZONE	5	DB 500-4	33.59	104.36	107.06		107.70	0.011623	3.55	9.45	6.00	0.90
BOZZONE	BOZZONE	5	DB 200-4	28.69	104.36	106.96		107.49	0.010014	3.23	8.89	5.90	0.84
BOZZONE	BOZZONE	5	DB 100-4	26.34	104.36	106.88		107.38	0.009906	3.14	8.39	5.82	0.83
BOZZONE	BOZZONE	5	DB 30-4	21.44	104.36	106.74		107.15	0.008586	2.82	7.61	5.68	0.78
BOZZONE	BOZZONE	4.7	DB 500-4	26.60	104.06	107.05		107.25	0.003015	2.04	14.00	10.02	0.50
BOZZONE	BOZZONE	4.7	DB 200-4	26.88	104.06	106.67		107.04	0.006786	2.72	10.29	9.55	0.72
BOZZONE	BOZZONE	4.7	DB 100-4	25.13	104.06	106.44		106.92	0.010215	3.07	8.18	6.65	0.87
BOZZONE	BOZZONE	4.7	DB 30-4	21.26	104.06	106.29		106.73	0.009956	2.93	7.27	6.02	0.85
BOZZONE	BOZZONE	4.4	DB 500-4	38.05	103.85	106.72		106.97	0.004094	2.39	18.46	14.53	0.60
BOZZONE	BOZZONE	4.4	DB 200-4	32.06	103.85	106.43		106.74	0.005828	2.61	14.27	14.06	0.70
BOZZONE	BOZZONE	4.4	DB 100-4	26.04	103.85	106.24		106.55	0.006465	2.58	11.64	13.75	0.72
BOZZONE	BOZZONE	4.4	DB 30-4	21.35	103.85	105.95	106.00	106.39	0.010678	2.94	7.75	13.28	0.90
BOZZONE	BOZZONE	4	DB 500-4	49.35	103.53	106.53	106.59	107.23	0.010829	3.87	14.43	11.40	0.93
BOZZONE	BOZZONE	4	DB 200-4	36.98	103.53	106.28	106.33	106.89	0.010415	3.56	11.56	11.05	0.89
BOZZONE	BOZZONE	4	DB 100-4	27.86	103.53	106.09	106.01	106.58	0.009126	3.14	9.53	10.74	0.83
BOZZONE	BOZZONE	4	DB 30-4	21.40	103.53	105.74	105.67	106.27	0.012457	3.22	6.64	5.61	0.94
BOZZONE	BOZZONE	3	DB 500-4	60.65	103.56	106.42	105.75	106.67	0.002409	2.38	30.18	18.86	0.49
BOZZONE	BOZZONE	3	DB 200-4	43.95	103.56	106.17	105.47	106.35	0.001938	1.99	25.70	17.23	0.43
BOZZONE	BOZZONE	3	DB 100-4	31.46	103.56	106.00	105.03	106.12	0.001360	1.58	22.91	16.02	0.35
BOZZONE	BOZZONE	3	DB 30-4	21.98	103.56	105.62	104.76	105.73	0.001440	1.45	17.09	15.10	0.36
BOZZONE	BOZZONE	2.5		Bridge									

River	Reach	River Sta	Plan	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
BOZZONE	BOZZONE	2	DB 500-4	60.65	103.26	106.32		106.59	0.002676	2.44	29.93	19.30	0.51
BOZZONE	BOZZONE	2	DB 200-4	43.95	103.26	106.11		106.29	0.002063	2.01	25.84	19.30	0.44
BOZZONE	BOZZONE	2	DB 100-4	31.46	103.26	105.97		106.08	0.001404	1.58	23.05	19.30	0.36
BOZZONE	BOZZONE	2	DB 30-4	21.98	103.26	105.59		105.69	0.001399	1.42	16.80	11.92	0.35
BOZZONE	BOZZONE	1	DB 500-4	60.58	102.96	106.17	106.21	107.07	0.014296	4.20	14.41	8.51	1.03
BOZZONE	BOZZONE	1	DB 200-4	43.95	102.96	105.86	105.83	106.56	0.012858	3.70	11.87	7.98	0.97
BOZZONE	BOZZONE	1	DB 100-4	31.46	102.96	105.62		106.13	0.010623	3.14	10.01	7.60	0.87
BOZZONE	BOZZONE	1	DB 30-4	21.97	102.96	105.24		105.68	0.009029	2.92	7.54	5.30	0.78
BOZZONE	BOZZONE	0.99		Lat Struct									
BOZZONE	BOZZONE	.9*	DB 500-4	52.89	102.68	105.68	105.68	106.46	0.013231	3.91	13.52	8.73	1.00
BOZZONE	BOZZONE	.9*	DB 200-4	41.15	102.68	105.45	105.41	106.09	0.012389	3.55	11.58	8.36	0.96
BOZZONE	BOZZONE	.9*	DB 100-4	31.09	102.68	105.26		105.75	0.010625	3.10	10.04	8.06	0.89
BOZZONE	BOZZONE	.9*	DB 30-4	21.97	102.68	104.93		105.35	0.009264	2.86	7.67	5.97	0.81
BOZZONE	BOZZONE	.8*	DB 500-4	46.69	102.39	105.23	105.19	105.89	0.011976	3.61	12.94	9.04	0.96
BOZZONE	BOZZONE	.8*	DB 200-4	38.85	102.39	105.06	105.01	105.65	0.011903	3.41	11.40	8.74	0.95
BOZZONE	BOZZONE	.8*	DB 100-4	30.68	102.39	104.90		105.37	0.010815	3.07	10.01	8.50	0.90
BOZZONE	BOZZONE	.8*	DB 30-4	21.97	102.39	104.62		105.02	0.009267	2.78	7.90	6.72	0.82
BOZZONE	BOZZONE	.7*	DB 500-4	42.71	102.11	104.89		105.42	0.009468	3.21	13.33	9.49	0.86
BOZZONE	BOZZONE	.7*	DB 200-4	36.20	102.11	104.77		105.22	0.008843	2.98	12.16	9.28	0.83
BOZZONE	BOZZONE	.7*	DB 100-4	30.11	102.11	104.57		105.00	0.009715	2.90	10.37	8.96	0.86
BOZZONE	BOZZONE	.7*	DB 30-4	21.97	102.11	104.35		104.69	0.008493	2.59	8.47	7.80	0.79
BOZZONE	BOZZONE	.6*	DB 500-4	42.63	101.82	104.65		105.08	0.006973	2.90	15.03	12.25	0.75
BOZZONE	BOZZONE	.6*	DB 200-4	36.18	101.82	104.62		104.94	0.005330	2.51	14.70	12.05	0.66
BOZZONE	BOZZONE	.6*	DB 100-4	30.11	101.82	104.33		104.68	0.007358	2.61	11.52	9.50	0.76
BOZZONE	BOZZONE	.6*	DB 30-4	21.97	101.82	104.20		104.43	0.005487	2.14	10.28	9.32	0.65
BOZZONE	BOZZONE	0.5	DB 500-4	1.97	101.54	104.61	102.21	104.61	0.000007	0.10	22.34	18.78	0.02
BOZZONE	BOZZONE	0.5	DB 200-4	1.97	101.54	104.61	102.21	104.61	0.000007	0.10	22.34	18.78	0.02
BOZZONE	BOZZONE	0.5	DB 100-4	2.09	101.54	104.25	102.22	104.25	0.000018	0.14	15.00	12.85	0.04
BOZZONE	BOZZONE	0.5	DB 30-4	2.08	101.54	104.15	102.22	104.15	0.000022	0.16	13.74	12.23	0.04

HEC-RAS Profile: Max WS

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 1	DB 500-1	107.73	103.40	3.36	16.91	5.96
DROVE 1	DB 200-1	103.47	103.40	0.00	0.01	0.00
DROVE 1	DB 100-1	103.99	103.40	0.01	0.01	0.00
DROVE 1	DB 30-1	103.40	103.40	0.00	0.01	0.00
DROVE 10	DB 500-1	104.63	100.00	4.48	6.88	7.60
DROVE 10	DB 200-1	104.38	100.00	2.52	6.10	5.88
DROVE 10	DB 100-1	104.21	100.00	1.19	6.10	4.88
DROVE 10	DB 30-1	103.69	100.00	0.20	3.14	2.42
DROVE 11	DB 500-1	103.69	99.90	5.39	18.83	25.74
DROVE 11	DB 200-1	103.53	99.90	6.31	18.83	22.82
DROVE 11	DB 100-1	103.47	99.90	3.54	18.54	21.70
DROVE 11	DB 30-1	102.60	99.90	3.16	15.86	6.60
DROVE 12	DB 500-1	101.07	98.90	1.67	4.64	3.25
DROVE 12	DB 200-1	100.70	98.90	2.57	3.58	1.67
DROVE 12	DB 100-1	100.55	98.90	0.95	3.58	1.12
DROVE 12	DB 30-1	98.90	98.90	0.00	0.01	0.00
DROVE 13	DB 500-1	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 200-1	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 100-1	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 30-1	101.50	101.50	0.00	0.02	0.00
DROVE 14	DB 500-1	100.16	97.90	2.75	46.39	38.23
DROVE 14	DB 200-1	99.89	97.90	5.83	42.91	26.00
DROVE 14	DB 100-1	99.73	97.90	0.76	42.91	18.94
DROVE 14	DB 30-1	99.06	97.90	0.44	11.77	1.44
DROVE 15	DB 500-1	101.85	97.00	25.65	22.35	20.27
DROVE 15	DB 200-1	101.70	97.00	34.88	21.78	16.81
DROVE 15	DB 100-1	101.62	97.00	24.88	21.78	15.16
DROVE 15	DB 30-1	101.22	97.00	3.91	18.40	6.94
DROVE 16	DB 500-1	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 200-1	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 100-1	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 30-1	98.90	98.90	0.00	0.02	0.00
DROVE 17	DB 500-1	96.78	94.00	10.09	71.84	40.60
DROVE 17	DB 200-1	96.48	94.00	7.03	51.92	21.52
DROVE 17	DB 100-1	96.33	94.00	4.99	51.92	13.70
DROVE 17	DB 30-1	94.00	94.00	0.00	0.00	0.00
DROVE 18	DB 500-1	96.55	93.60	7.82	11.28	15.47
DROVE 18	DB 200-1	95.75	93.60	0.26	9.88	7.01
DROVE 18	DB 100-1	95.67	93.60	0.19	8.43	6.29
DROVE 18	DB 30-1	94.85	93.60	0.32	4.16	0.94
DROVE 19	DB 500-1	96.78	94.70	1.49	10.39	6.19
DROVE 19	DB 200-1	96.48	94.70	-0.01	6.43	3.59
DROVE 19	DB 100-1	96.33	94.70	0.00	6.43	2.62
DROVE 19	DB 30-1	94.70	94.70	0.00	0.04	0.00
DROVE 2	DB 500-1	107.27	106.06	1.08	2.96	1.64
DROVE 2	DB 200-1	107.07	106.06	1.01	2.51	1.06
DROVE 2	DB 100-1	106.66	106.06	0.23	1.16	0.23
DROVE 2	DB 30-1	106.06	106.06	0.00	0.02	0.00
DROVE 20	DB 500-1	96.04	94.60	-0.15	5.05	0.72
DROVE 20	DB 200-1	95.30	94.60	0.01	0.08	0.02

HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 20	DB 100-1	94.60	94.60	0.00	0.00	0.00
DROVE 20	DB 30-1	94.60	94.60	0.00	0.00	0.00
DROVE 21	DB 500-1	95.58	92.90	-0.48	8.21	3.07
DROVE 21	DB 200-1	93.32	92.90	0.05	0.39	0.08
DROVE 21	DB 100-1	92.90	92.90	0.00	0.30	0.00
DROVE 21	DB 30-1	92.90	92.90	0.00	0.30	0.00
DROVE 22	DB 500-1	93.96	90.50	-0.15	8.02	9.26
DROVE 22	DB 200-1	90.50	90.50	0.00	0.05	0.00
DROVE 22	DB 100-1	90.50	90.50	0.00	0.05	0.00
DROVE 22	DB 30-1	90.50	90.50	0.00	0.05	0.00
DROVE 23	DB 500-1	89.87	89.00	5.35	16.84	5.26
DROVE 23	DB 200-1	89.00	89.00	0.00	0.44	0.00
DROVE 23	DB 100-1	89.00	89.00	0.00	0.44	0.00
DROVE 23	DB 30-1	89.00	89.00	0.00	0.44	0.00
DROVE 24	DB 500-1	89.87	88.40	-0.44	14.11	7.12
DROVE 24	DB 200-1	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 100-1	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 30-1	88.40	88.40	0.00	0.04	0.00
DROVE 25	DB 500-1	89.67	84.30	2.87	19.14	10.27
DROVE 25	DB 200-1	84.30	84.30	0.00	0.09	0.00
DROVE 25	DB 100-1	84.30	84.30	0.00	0.09	0.00
DROVE 25	DB 30-1	84.30	84.30	0.00	0.09	0.00
DROVE 26	DB 500-1	104.92	102.30	0.06	2.91	4.11
DROVE 26	DB 200-1	104.89	102.30	0.19	2.91	4.02
DROVE 26	DB 100-1	104.85	102.30	0.87	2.91	3.88
DROVE 26	DB 30-1	104.80	102.30	0.74	2.91	3.75
DROVE 27	DB 500-1	102.50	100.00	0.06	1.53	0.52
DROVE 27	DB 200-1	102.37	100.00	0.08	1.53	0.31
DROVE 27	DB 100-1	102.28	100.00	-0.03	0.39	0.20
DROVE 27	DB 30-1	100.75	100.00	0.00	0.02	0.01
DROVE 3	DB 500-1	105.43	101.90	2.75	3.80	1.94
DROVE 3	DB 200-1	103.20	101.90	0.05	0.12	0.06
DROVE 3	DB 100-1	101.90	101.90	0.00	0.00	0.00
DROVE 3	DB 30-1	101.90	101.90	0.00	0.00	0.00
DROVE 4	DB 500-1	103.62	99.30	23.29	16.48	5.38
DROVE 4	DB 200-1	103.32	99.30	11.44	5.12	2.49
DROVE 4	DB 100-1	103.12	99.30	4.50	2.26	1.67
DROVE 4	DB 30-1	100.82	99.30	0.09	0.15	0.06
DROVE 5	DB 500-1	106.25	103.00	2.85	14.99	14.17
DROVE 5	DB 200-1	105.37	103.00	1.86	9.54	3.39
DROVE 5	DB 100-1	103.00	103.00	0.00	0.01	0.00
DROVE 5	DB 30-1	103.00	103.00	0.00	0.01	0.00
DROVE 6	DB 500-1	107.01	105.40	9.95	5.76	3.16
DROVE 6	DB 200-1	106.65	105.40	2.78	2.65	1.54
DROVE 6	DB 100-1	106.56	105.40	4.39	2.65	1.31
DROVE 6	DB 30-1	106.41	105.40	1.16	2.65	0.92
DROVE 7	DB 500-1	108.72	107.10	4.99	7.29	4.23
DROVE 7	DB 200-1	107.10	107.10	0.00	0.00	0.00
DROVE 7	DB 100-1	107.10	107.10	0.00	0.00	0.00
DROVE 7	DB 30-1	107.10	107.10	0.00	0.00	0.00

HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 8	DB 500-1	106.68	103.50	1.46	8.45	4.99
DROVE 8	DB 200-1	106.55	103.50	0.32	8.45	3.89
DROVE 8	DB 100-1	106.45	103.50	0.21	5.81	3.21
DROVE 8	DB 30-1	106.28	103.50	0.18	5.81	2.20
DROVE 9	DB 500-1	105.48	103.20	0.17	4.77	3.92
DROVE 9	DB 200-1	105.43	103.20	0.09	4.77	3.68
DROVE 9	DB 100-1	105.39	103.20	0.05	4.77	3.50
DROVE 9	DB 30-1	105.32	103.20	0.04	4.77	3.14
DROVE31	DB 500-1	82.50	82.50	0.00	0.00	0.00
DROVE28	DB 500-1	90.90	90.90	0.00	0.12	0.00
DROVE29	DB 500-1	86.90	86.90	0.00	0.01	0.00
DROVE30	DB 500-1	82.80	82.80	0.00	0.00	0.00

HEC-RAS Profile: Max WS

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 1	DB 500-4	108.20	103.40	11.52	18.75	14.29
DROVE 1	DB 200-4	107.73	103.40	1.43	16.91	5.87
DROVE 1	DB 100-4	104.98	103.40	0.06	0.16	0.08
DROVE 1	DB 30-4	103.40	103.40	0.00	0.01	0.00
DROVE 10	DB 500-4	104.71	100.00	3.54	7.08	8.12
DROVE 10	DB 200-4	104.37	100.00	18.07	6.10	5.86
DROVE 10	DB 100-4	104.18	100.00	6.34	6.10	4.68
DROVE 10	DB 30-4	103.83	100.00	1.92	4.70	2.93
DROVE 11	DB 500-4	103.83	99.90	14.41	18.89	28.35
DROVE 11	DB 200-4	103.60	99.90	0.92	18.83	24.04
DROVE 11	DB 100-4	103.51	99.90	0.48	18.83	22.35
DROVE 11	DB 30-4	103.13	99.90	2.12	17.73	15.43
DROVE 12	DB 500-4	101.34	98.90	1.72	5.63	4.74
DROVE 12	DB 200-4	100.91	98.90	0.84	4.64	2.54
DROVE 12	DB 100-4	100.68	98.90	0.44	3.58	1.57
DROVE 12	DB 30-4	100.32	98.90	0.15	2.16	0.55
DROVE 13	DB 500-4	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 200-4	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 100-4	101.50	101.50	0.00	0.02	0.00
DROVE 13	DB 30-4	101.50	101.50	0.00	0.02	0.00
DROVE 14	DB 500-4	100.29	97.90	2.01	47.95	44.63
DROVE 14	DB 200-4	100.04	97.90	5.85	46.39	32.90
DROVE 14	DB 100-4	99.82	97.90	22.76	42.91	23.01
DROVE 14	DB 30-4	99.40	97.90	1.41	30.80	7.36
DROVE 15	DB 500-4	101.96	97.00	20.35	22.35	22.53
DROVE 15	DB 200-4	101.80	97.00	22.09	22.35	18.99
DROVE 15	DB 100-4	101.69	97.00	13.23	21.78	16.67
DROVE 15	DB 30-4	101.40	97.00	17.91	18.40	10.25
DROVE 16	DB 500-4	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 200-4	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 100-4	98.90	98.90	0.00	0.02	0.00
DROVE 16	DB 30-4	98.90	98.90	0.00	0.02	0.00
DROVE 17	DB 500-4	97.35	94.00	27.32	89.01	86.80
DROVE 17	DB 200-4	96.89	94.00	11.61	71.84	48.66
DROVE 17	DB 100-4	96.56	94.00	4.09	51.92	25.63
DROVE 17	DB 30-4	95.72	94.00	0.59	9.05	1.65
DROVE 18	DB 500-4	97.35	93.60	17.78	12.42	25.10
DROVE 18	DB 200-4	96.86	93.60	5.96	11.66	19.13
DROVE 18	DB 100-4	96.25	93.60	2.53	10.77	12.12
DROVE 18	DB 30-4	95.40	93.60	0.55	8.43	4.02
DROVE 19	DB 500-4	97.32	94.70	-0.09	11.11	12.16
DROVE 19	DB 200-4	96.89	94.70	0.55	10.39	7.34
DROVE 19	DB 100-4	96.56	94.70	0.18	6.43	4.10
DROVE 19	DB 30-4	95.68	94.70	0.12	1.18	0.44
DROVE 2	DB 500-4	107.37	106.06	2.52	2.96	1.94
DROVE 2	DB 200-4	107.28	106.06	1.37	2.96	1.67
DROVE 2	DB 100-4	107.00	106.06	2.23	2.51	0.88
DROVE 2	DB 30-4	106.52	106.06	0.48	1.16	0.07
DROVE 20	DB 500-4	96.52	94.60	2.85	7.56	3.69
DROVE 20	DB 200-4	96.13	94.60	0.33	5.05	1.21

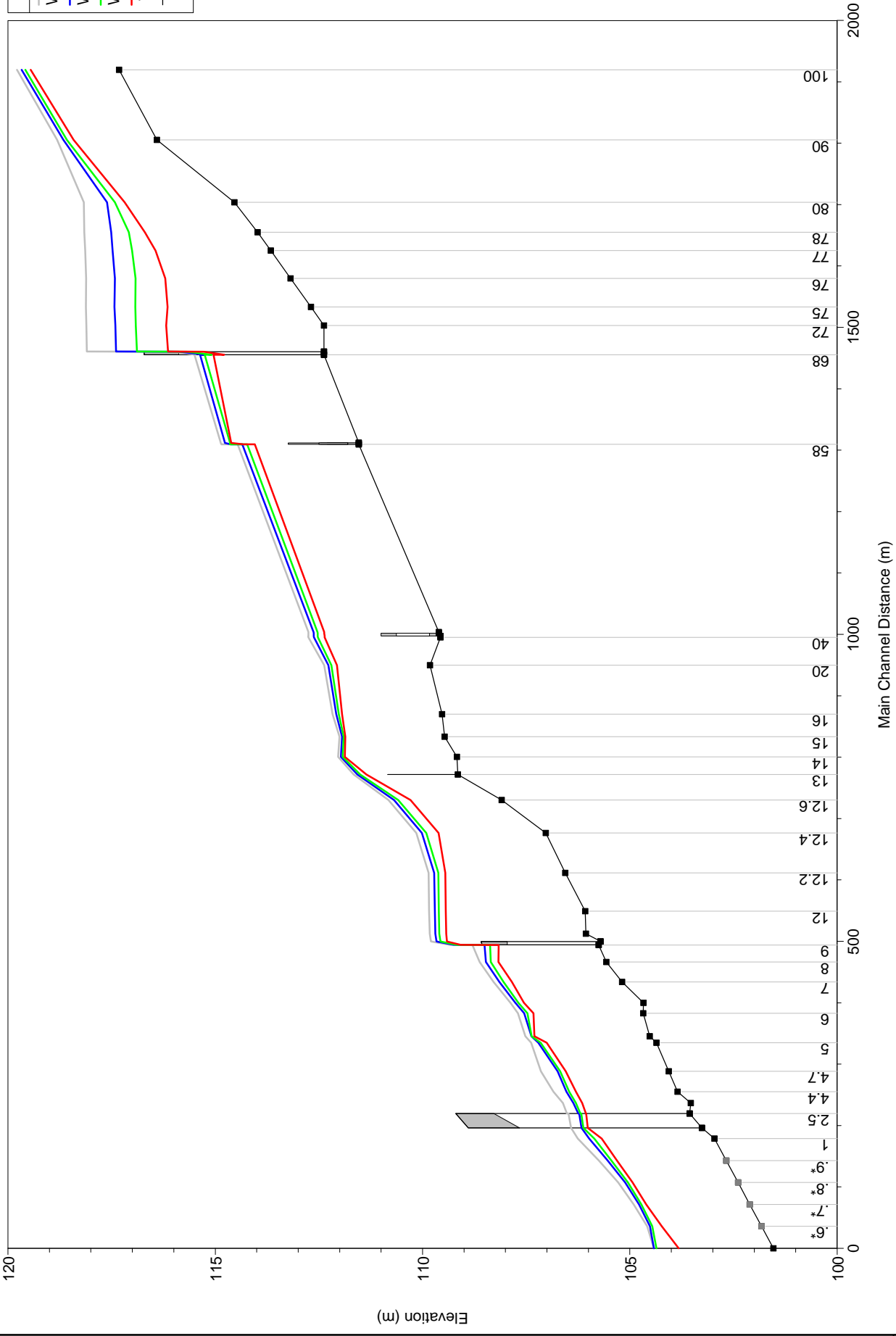
HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 20	DB 100-4	95.72	94.60	0.12	1.40	0.15
DROVE 20	DB 30-4	94.60	94.60	0.00	0.00	0.00
DROVE 21	DB 500-4	96.49	92.90	4.04	42.07	33.38
DROVE 21	DB 200-4	95.76	92.90	2.76	32.04	5.99
DROVE 21	DB 100-4	95.28	92.90	0.47	1.38	1.39
DROVE 21	DB 30-4	92.90	92.90	0.00	0.30	0.00
DROVE 22	DB 500-4	95.34	90.50	-0.26	36.50	35.83
DROVE 22	DB 200-4	94.26	90.50	-0.84	11.85	11.90
DROVE 22	DB 100-4	90.50	90.50	0.00	0.05	0.00
DROVE 22	DB 30-4	90.50	90.50	0.00	0.05	0.00
DROVE 23	DB 500-4	92.96	89.00	32.69	40.40	91.55
DROVE 23	DB 200-4	90.29	89.00	16.59	19.53	13.24
DROVE 23	DB 100-4	89.00	89.00	0.00	0.44	0.00
DROVE 23	DB 30-4	89.00	89.00	0.00	0.44	0.00
DROVE 24	DB 500-4	92.96	88.40	-2.56	28.34	76.95
DROVE 24	DB 200-4	90.29	88.40	0.00	14.93	13.40
DROVE 24	DB 100-4	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 30-4	88.40	88.40	0.00	0.04	0.00
DROVE 25	DB 500-4	92.96	84.30	-2.75	43.75	148.06
DROVE 25	DB 200-4	90.29	84.30	0.00	40.14	33.60
DROVE 25	DB 100-4	84.30	84.30	0.00	0.09	0.00
DROVE 25	DB 30-4	84.30	84.30	0.00	0.09	0.00
DROVE 26	DB 500-4	104.87	102.30	0.00	2.91	3.94
DROVE 26	DB 200-4	104.84	102.30	0.00	2.91	3.86
DROVE 26	DB 100-4	104.82	102.30	0.00	2.91	3.79
DROVE 26	DB 30-4	104.77	102.30	0.00	2.91	3.67
DROVE 27	DB 500-4	102.43	100.00	0.05	1.53	0.40
DROVE 27	DB 200-4	102.21	100.00	0.00	0.39	0.17
DROVE 27	DB 100-4	101.97	100.00	0.02	0.13	0.08
DROVE 27	DB 30-4	100.00	100.00	0.00	0.01	0.00
DROVE 3	DB 500-4	105.72	101.90	5.91	4.30	3.10
DROVE 3	DB 200-4	105.45	101.90	2.39	3.80	1.99
DROVE 3	DB 100-4	104.78	101.90	0.28	0.88	0.66
DROVE 3	DB 30-4	101.90	101.90	0.00	0.00	0.00
DROVE 4	DB 500-4	103.84	99.30	31.57	24.23	9.35
DROVE 4	DB 200-4	103.46	99.30	13.49	5.12	3.17
DROVE 4	DB 100-4	103.24	99.30	1.70	5.12	2.06
DROVE 4	DB 30-4	102.65	99.30	0.41	1.37	0.84
DROVE 5	DB 500-4	106.61	103.00	0.79	15.36	19.57
DROVE 5	DB 200-4	106.32	103.00	0.56	14.99	15.18
DROVE 5	DB 100-4	105.55	103.00	2.05	9.54	5.09
DROVE 5	DB 30-4	103.00	103.00	0.00	0.01	0.00
DROVE 6	DB 500-4	107.01	105.40	1.84	5.76	3.13
DROVE 6	DB 200-4	106.65	105.40	1.75	2.65	1.54
DROVE 6	DB 100-4	106.34	105.40	0.51	2.65	0.72
DROVE 6	DB 30-4	105.87	105.40	0.01	0.58	0.16
DROVE 7	DB 500-4	109.47	107.10	22.54	7.60	9.89
DROVE 7	DB 200-4	108.73	107.10	5.98	7.29	4.33
DROVE 7	DB 100-4	107.82	107.10	0.09	0.68	0.09
DROVE 7	DB 30-4	107.10	107.10	0.00	0.00	0.00

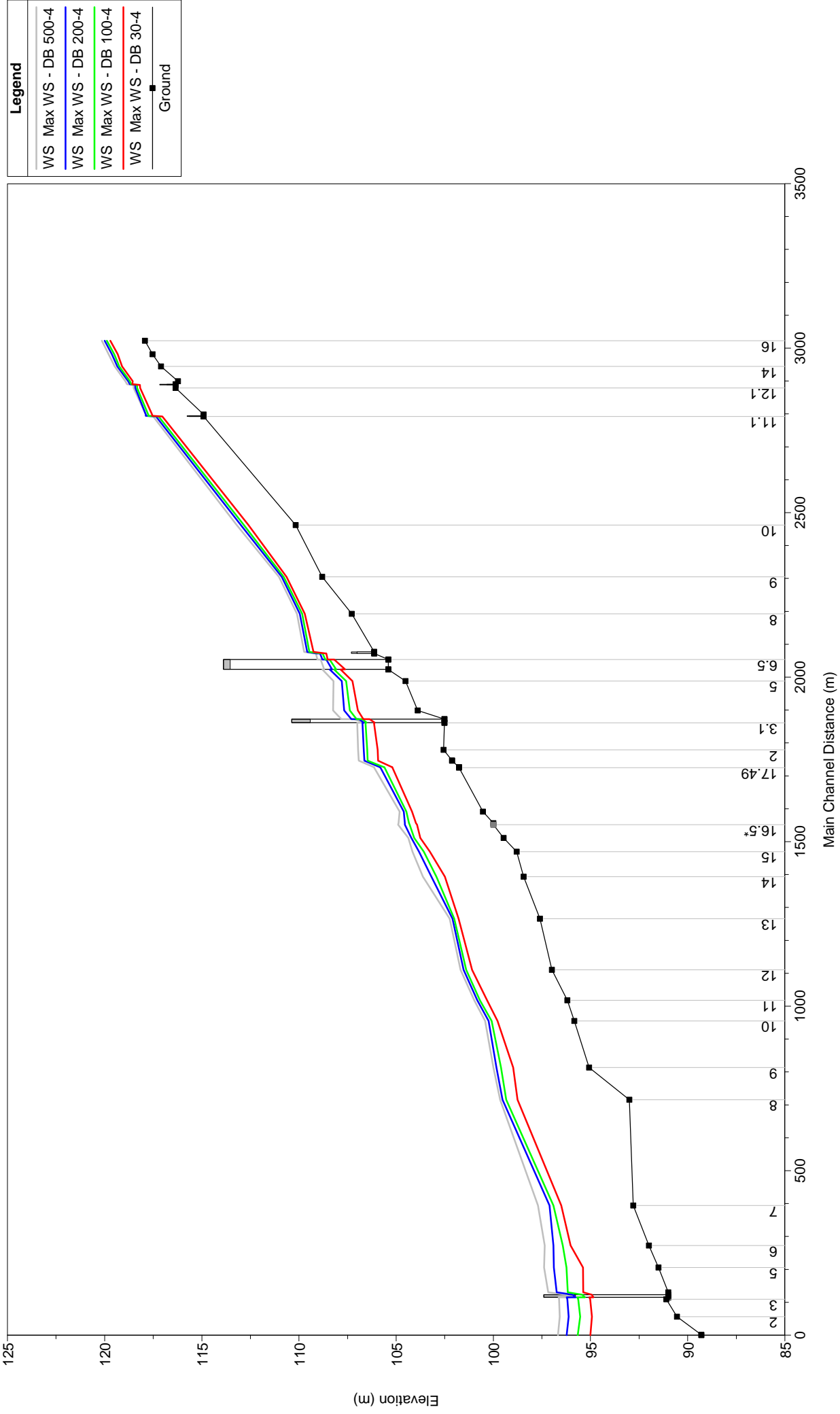
HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 8	DB 500-4	106.36	103.50	0.03	5.81	2.71
DROVE 8	DB 200-4	106.24	103.50	0.01	5.81	1.99
DROVE 8	DB 100-4	106.16	103.50	0.01	3.20	1.61
DROVE 8	DB 30-4	106.04	103.50	0.01	3.20	1.24
DROVE 9	DB 500-4	105.36	103.20	0.00	4.77	3.33
DROVE 9	DB 200-4	105.30	103.20	0.00	4.77	3.07
DROVE 9	DB 100-4	105.27	103.20	0.00	3.37	2.93
DROVE 9	DB 30-4	105.21	103.20	0.00	3.37	2.74
DROVE31	DB 500-4	89.30	82.50	11.08	148.19	98.38
DROVE28	DB 500-4	91.74	90.90	0.99	10.14	3.74
DROVE29	DB 500-4	89.35	86.90	23.47	59.70	57.55
DROVE30	DB 500-4	89.34	82.80	2.37	83.52	118.68

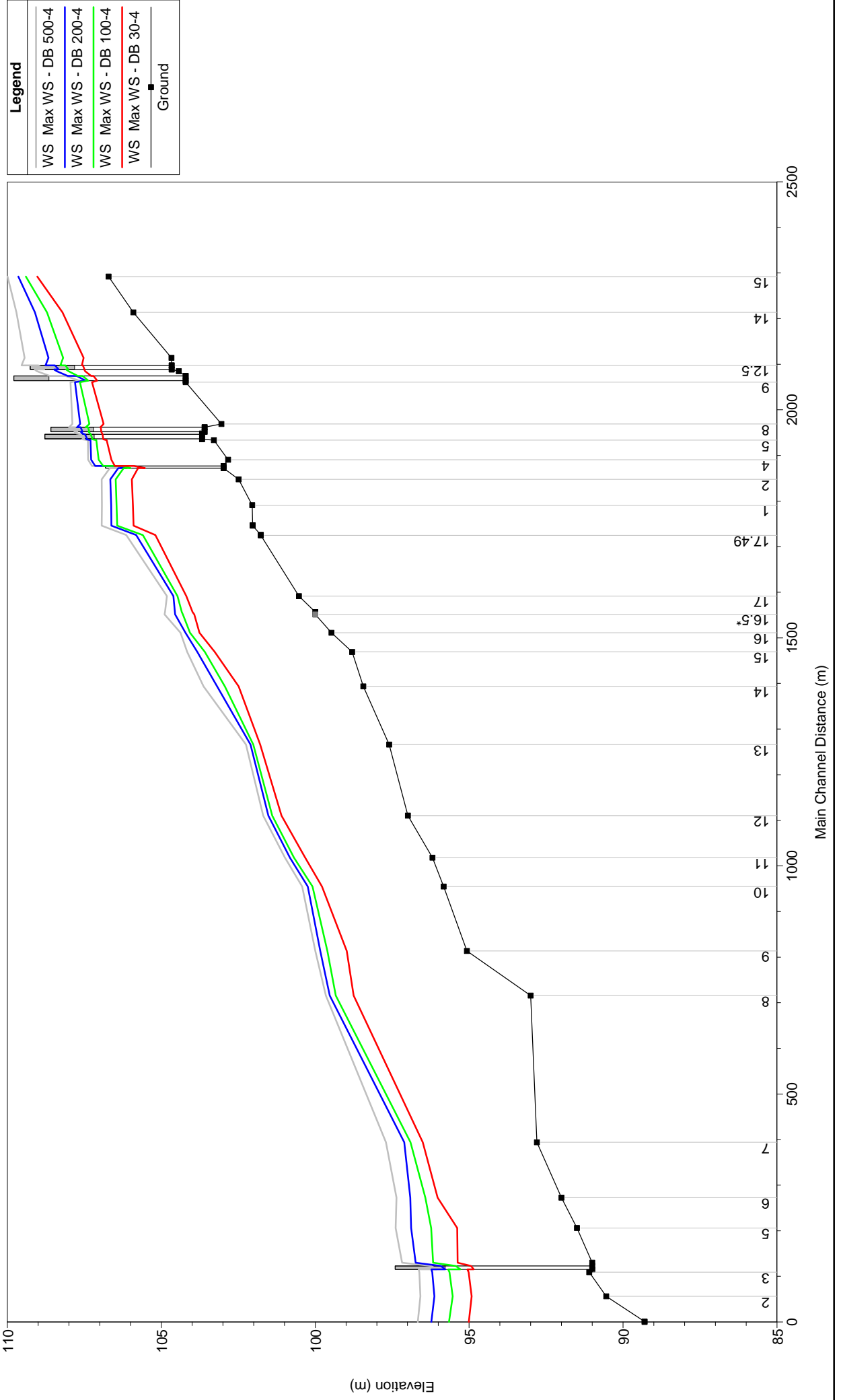
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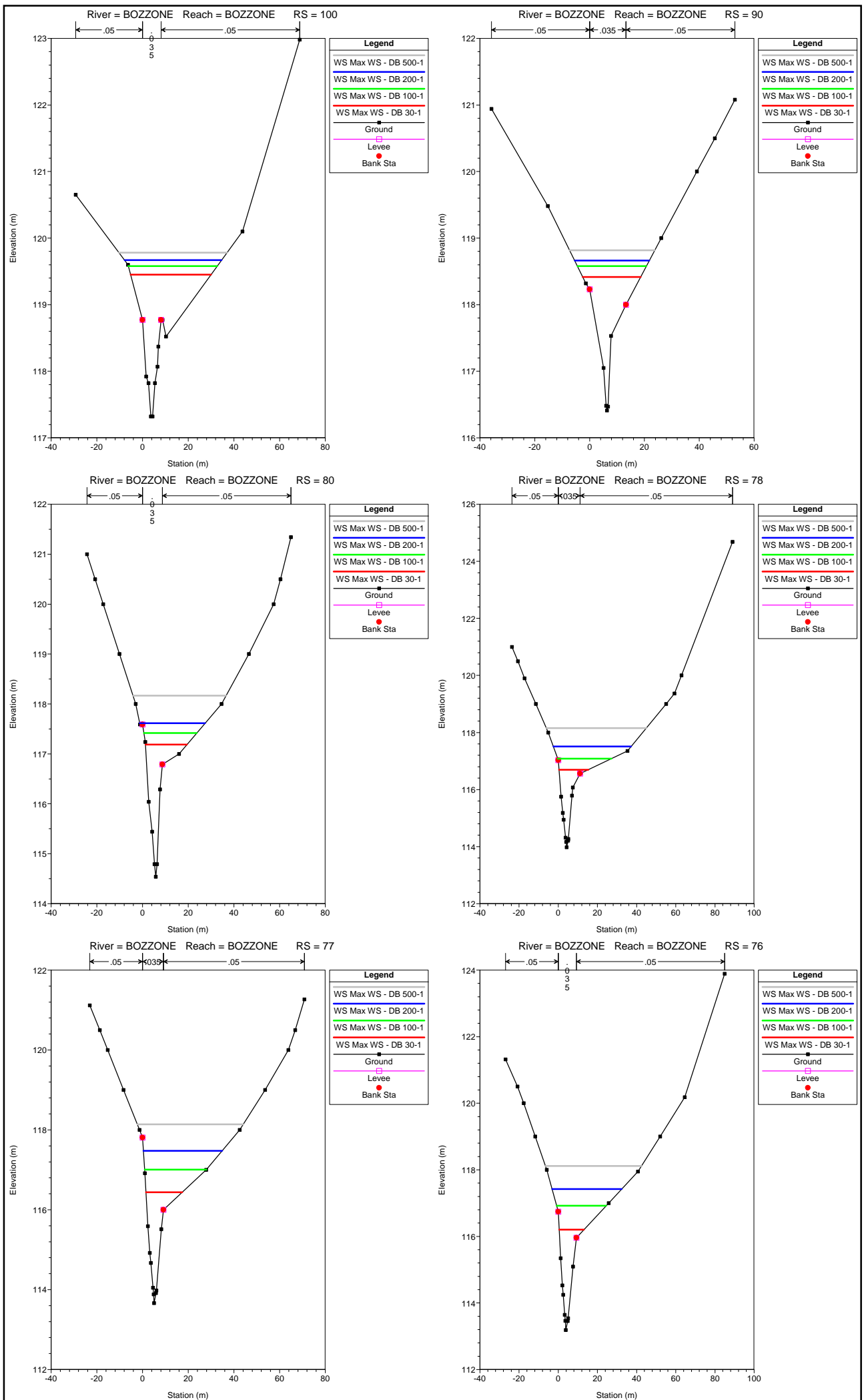


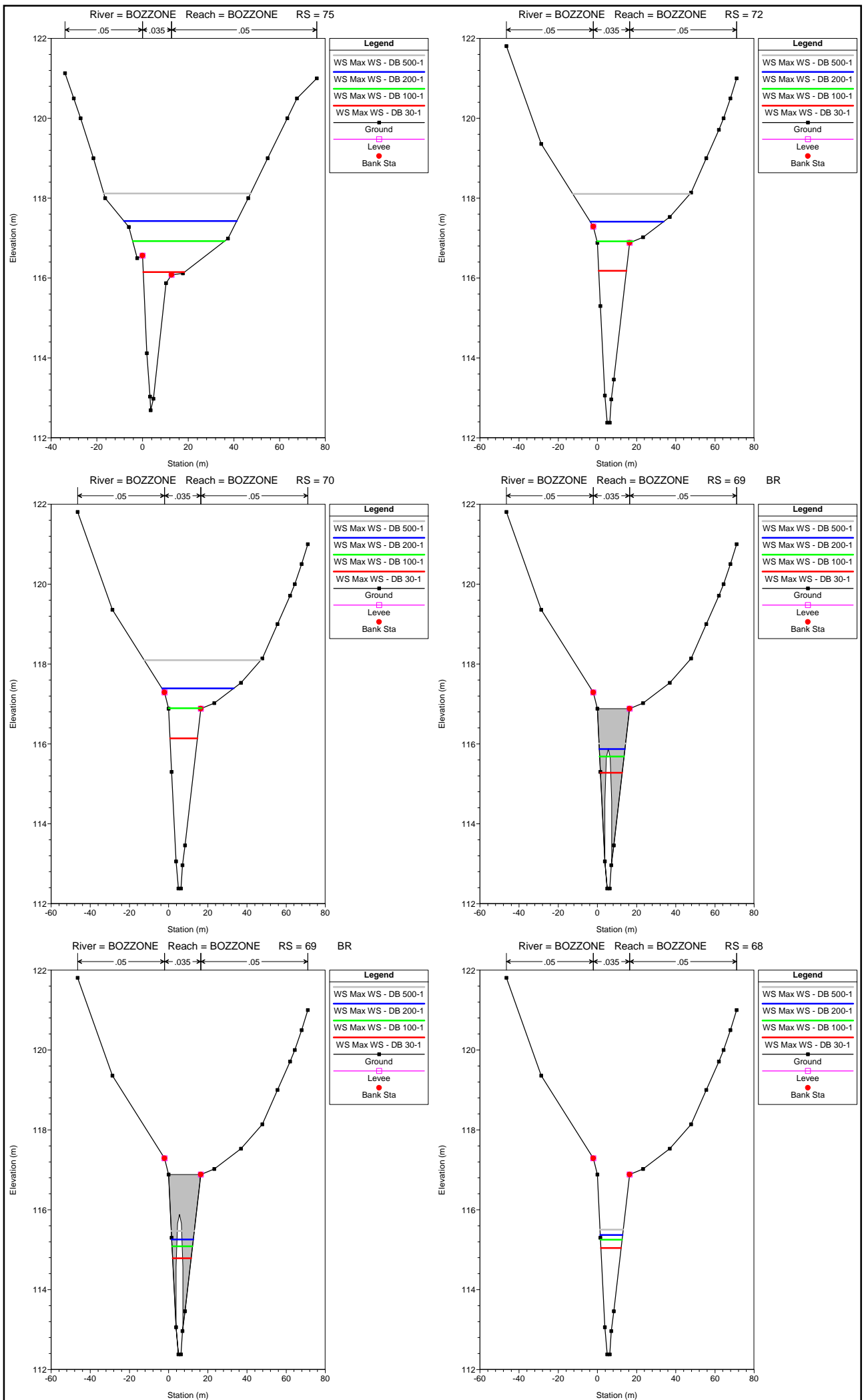
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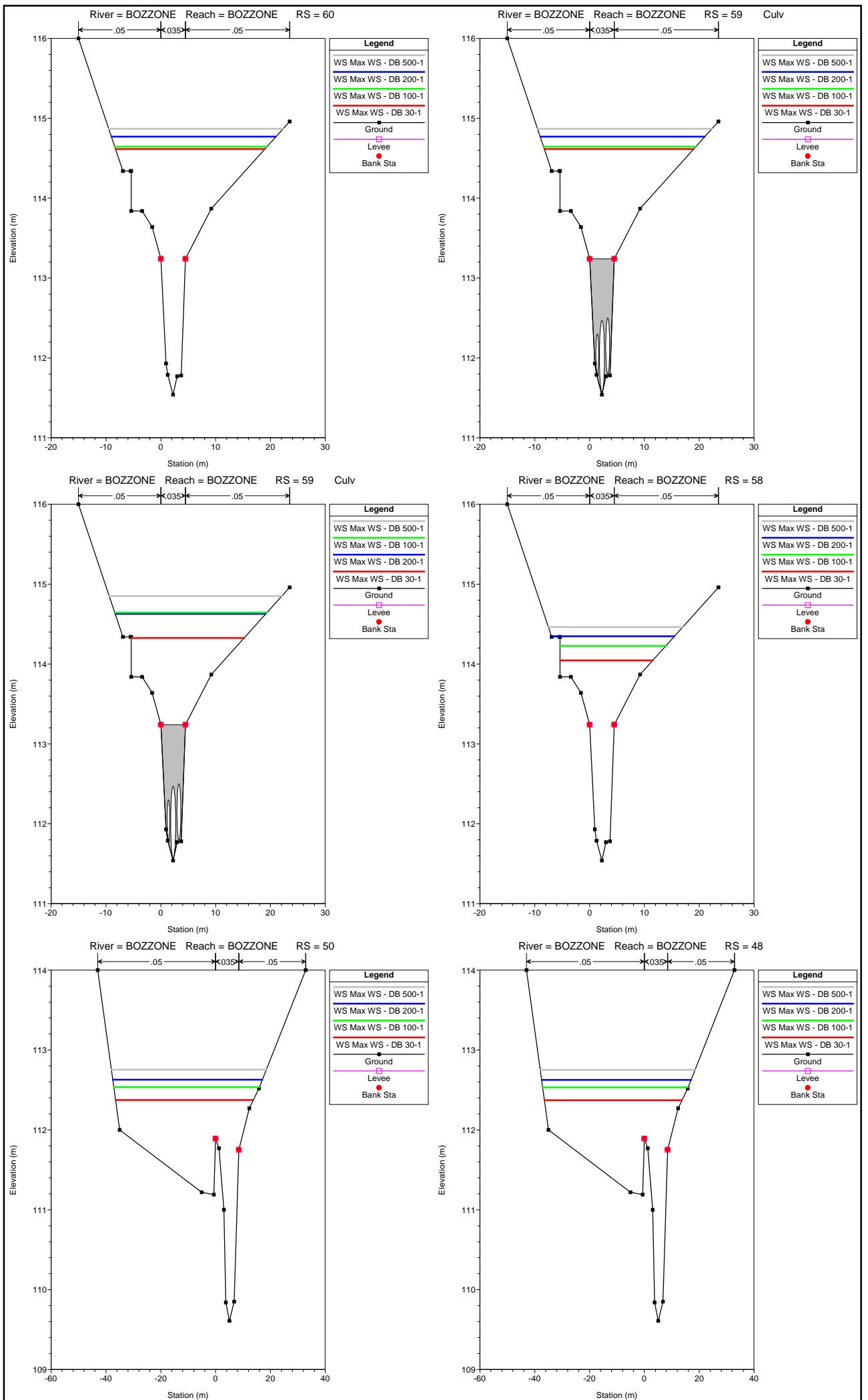


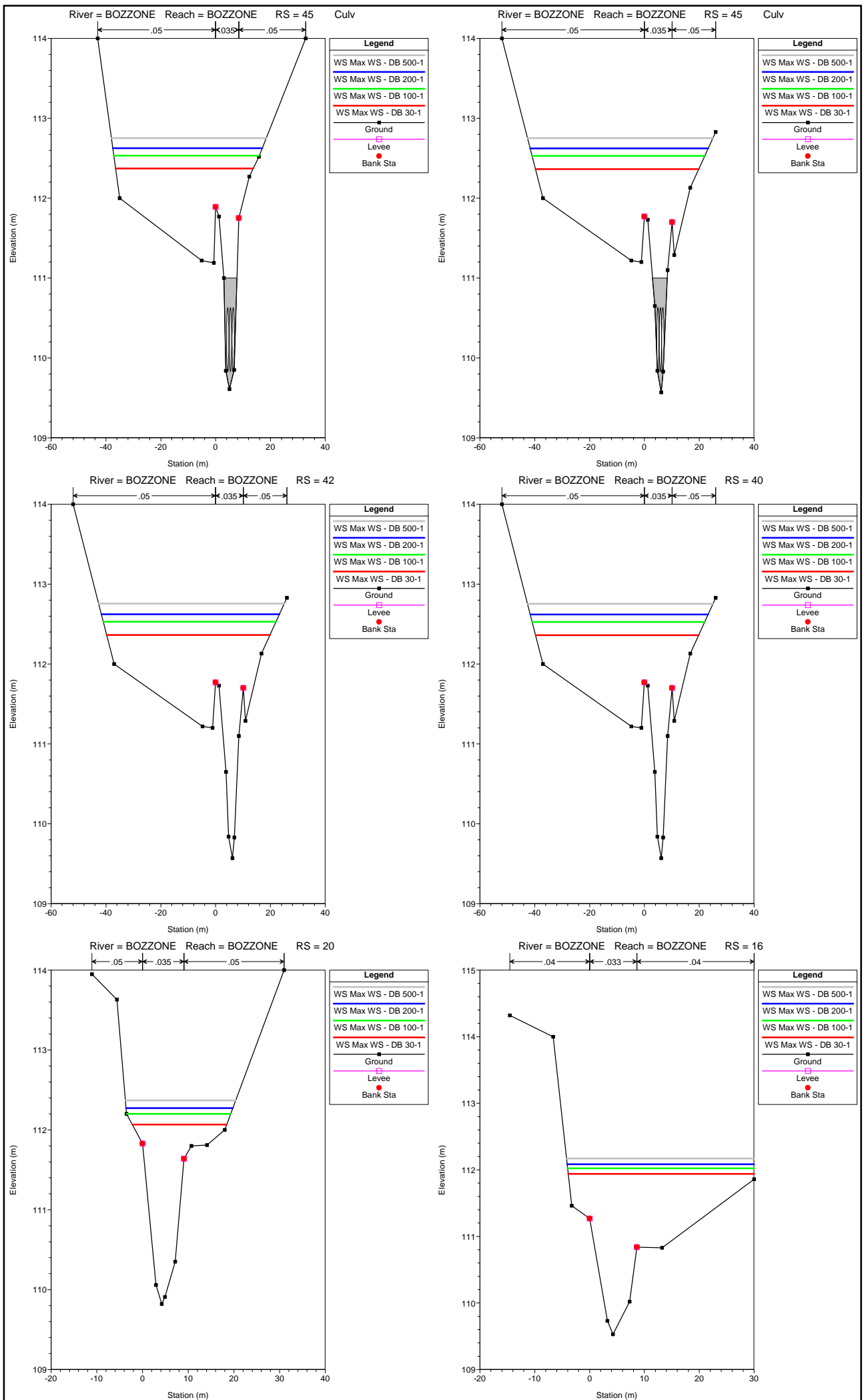
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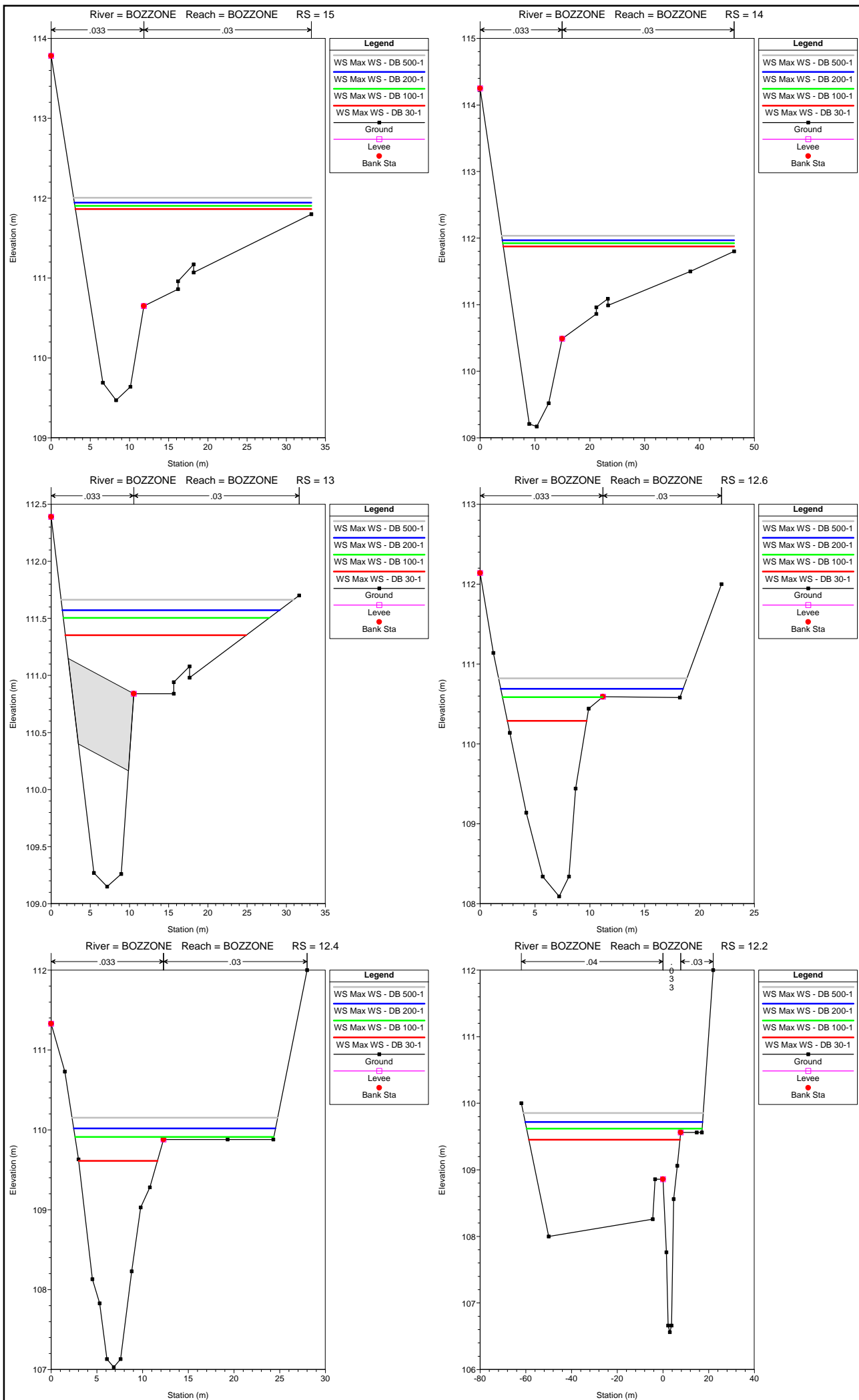


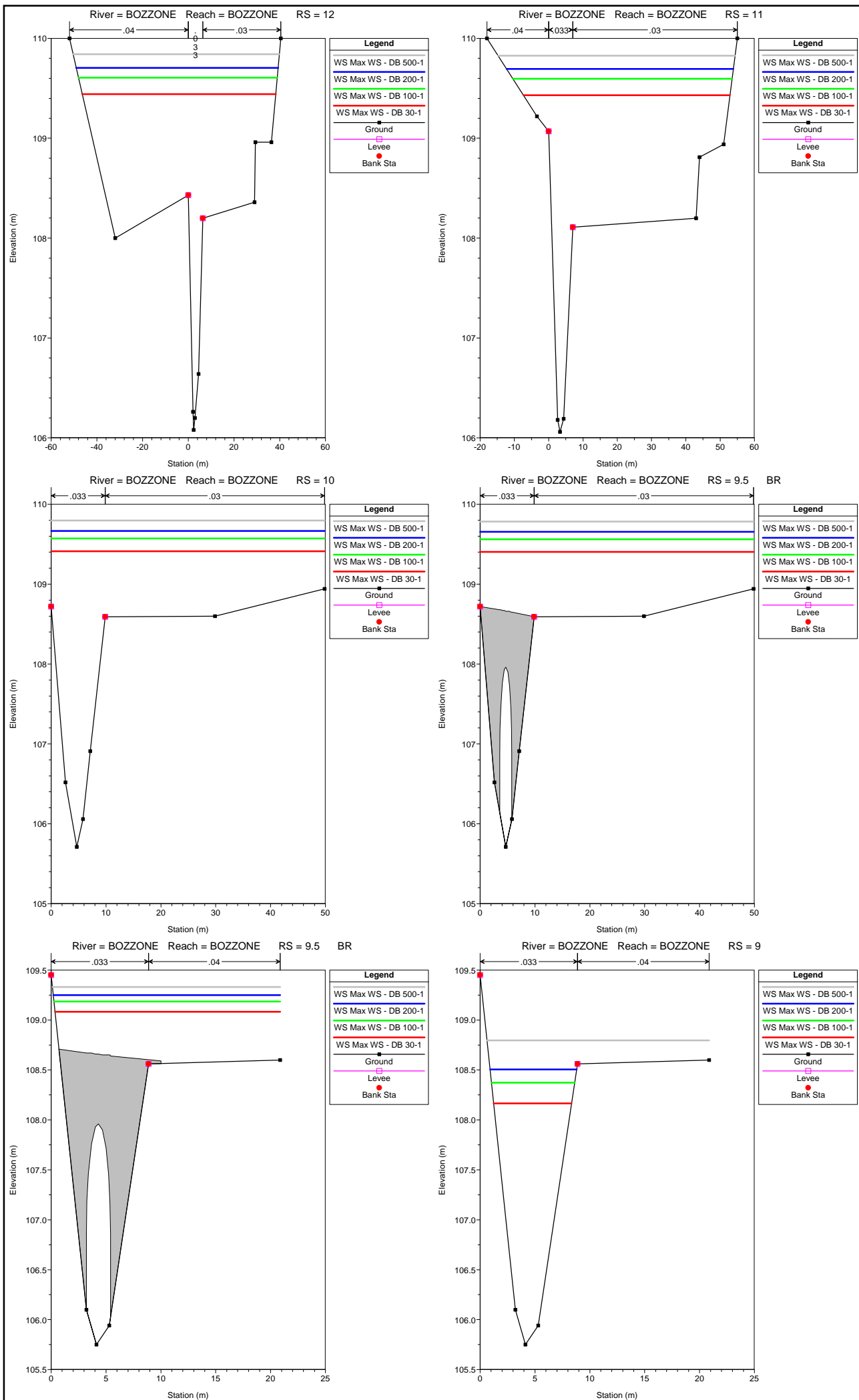


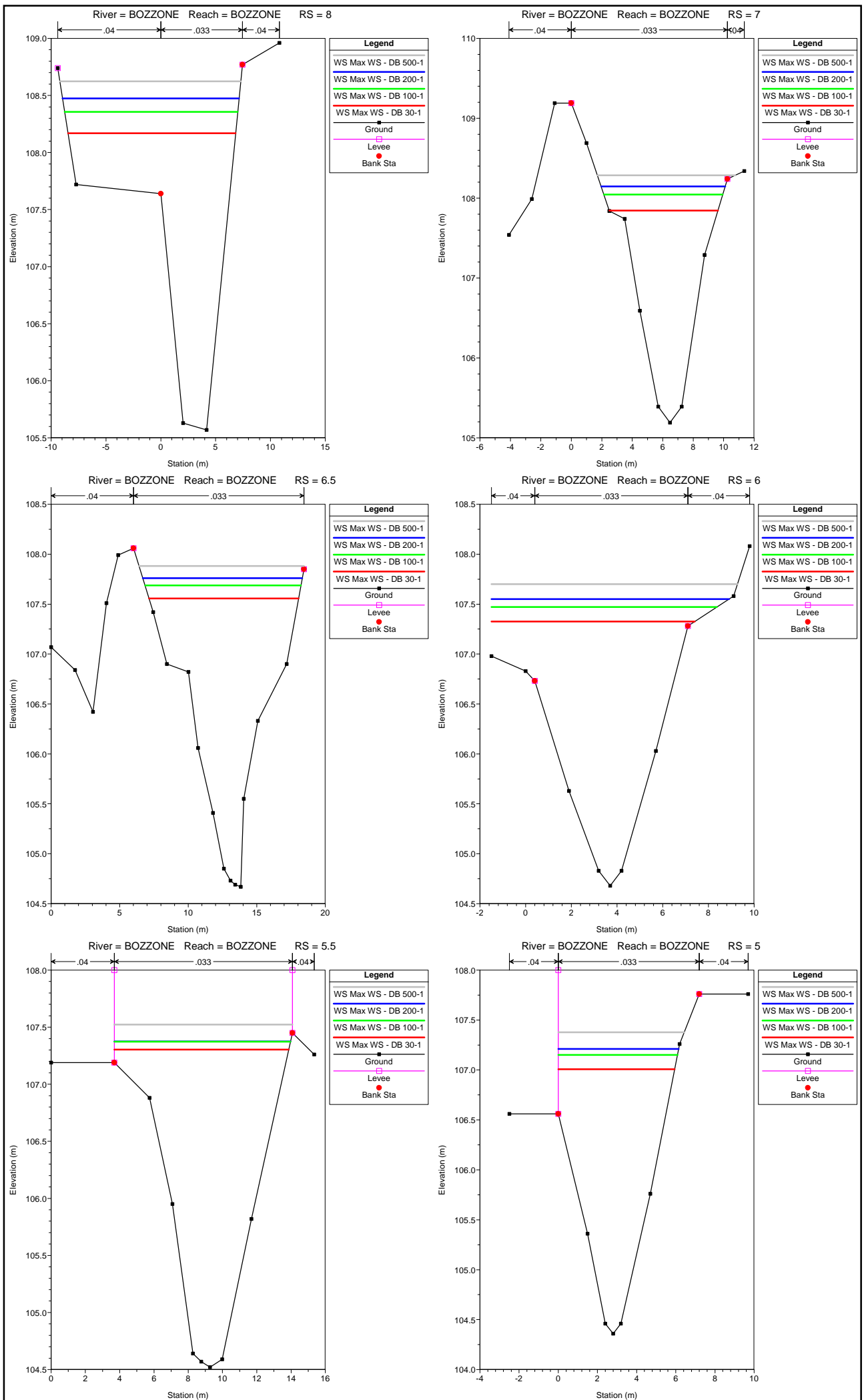


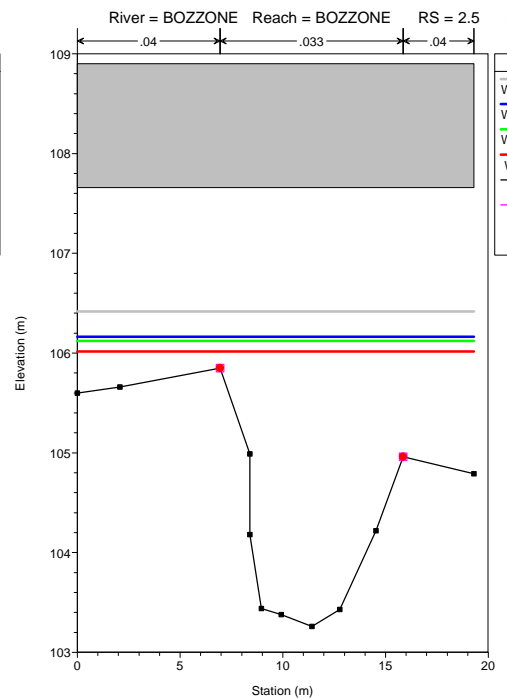
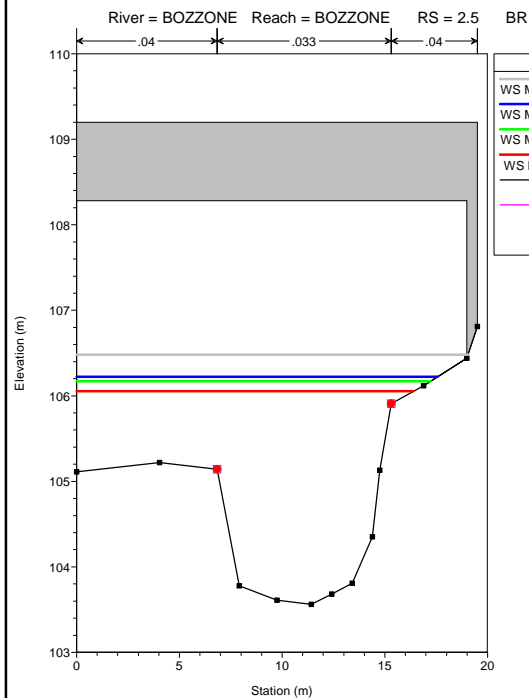
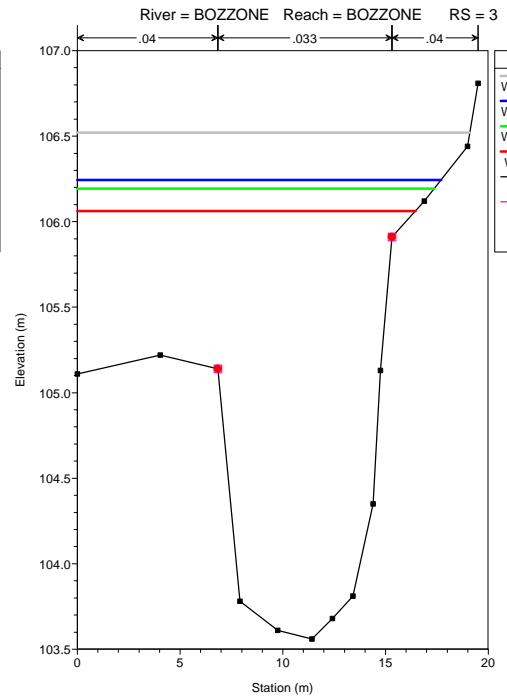
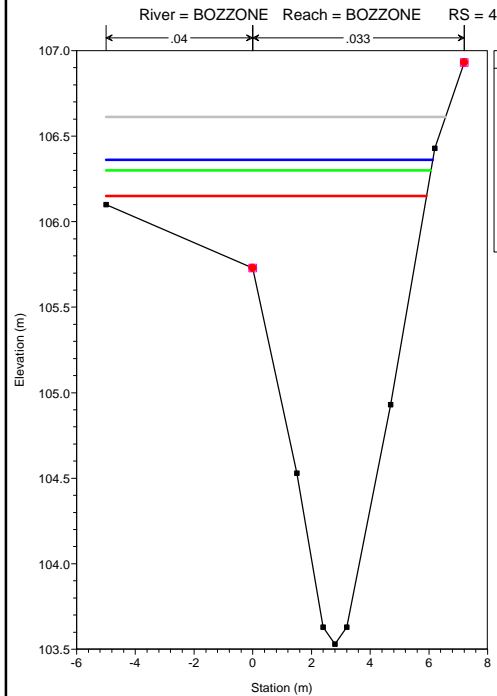
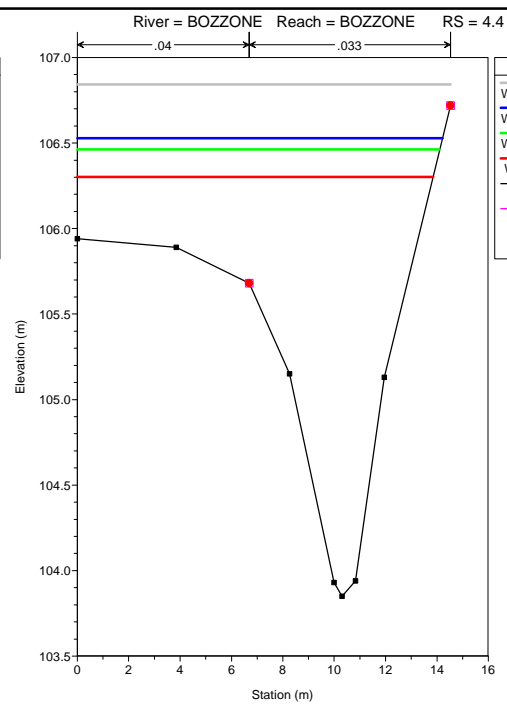
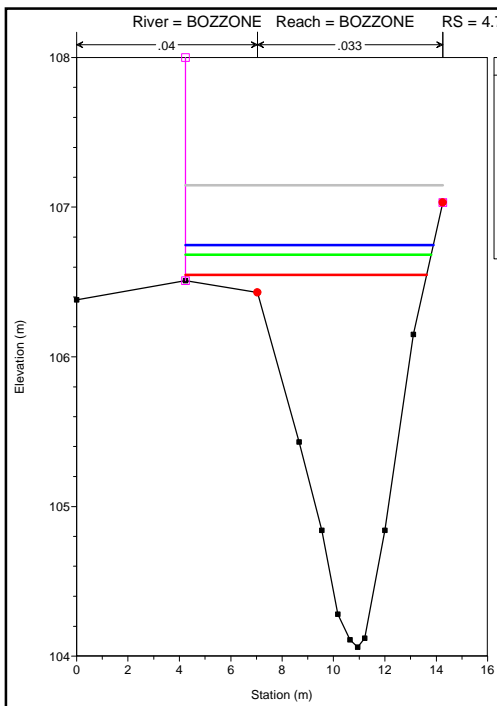


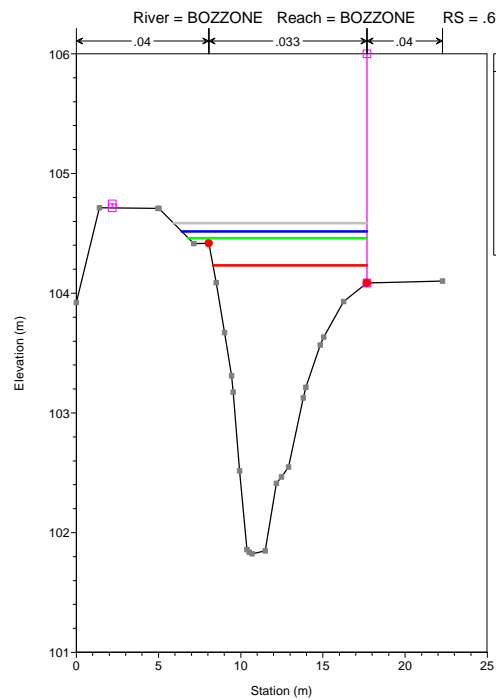
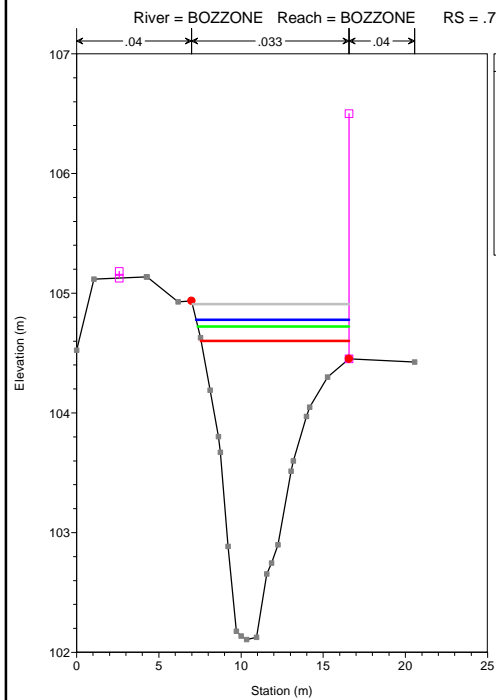
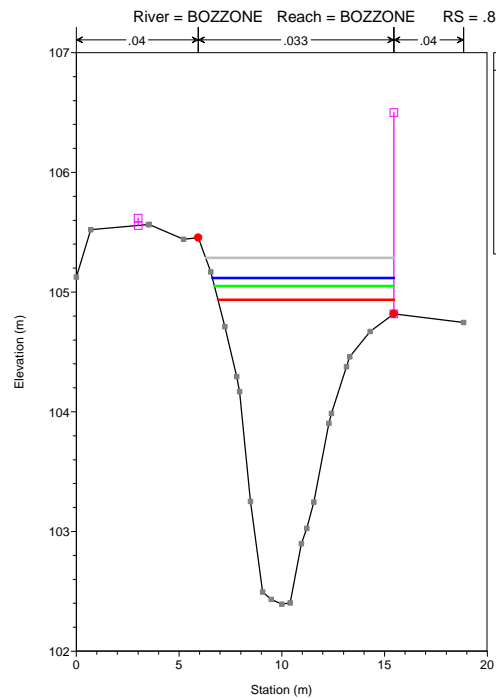
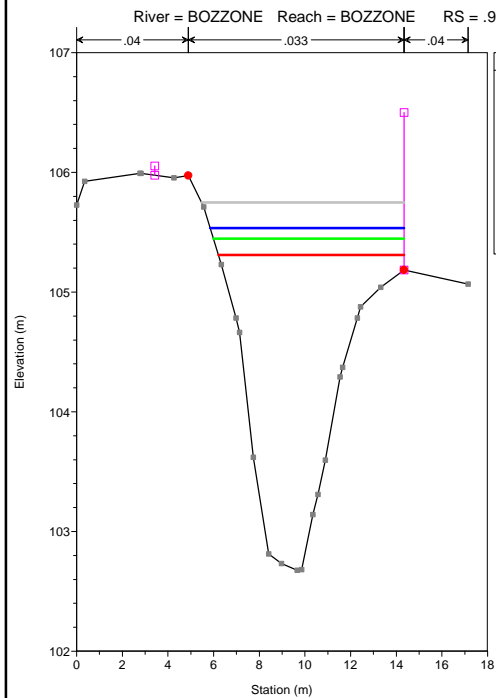
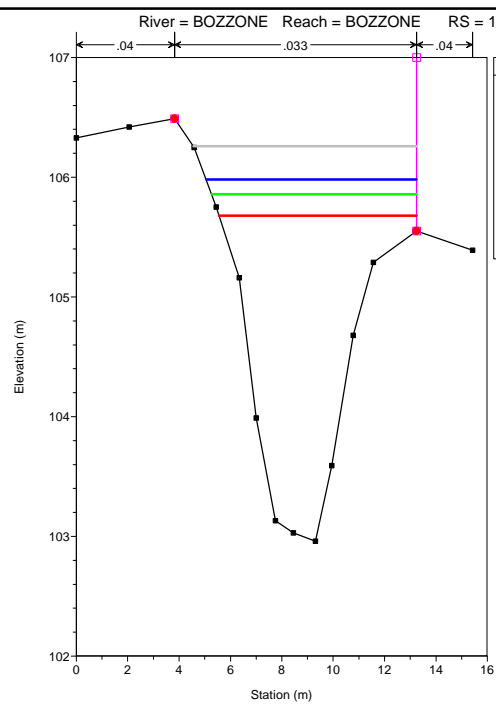
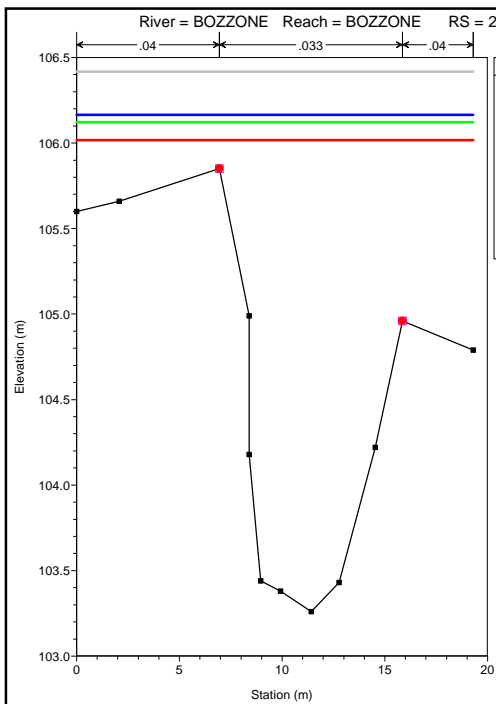


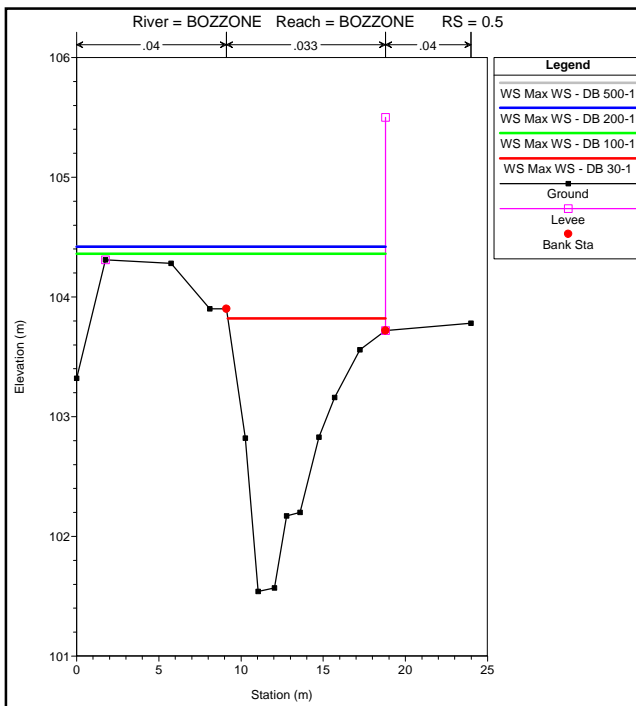


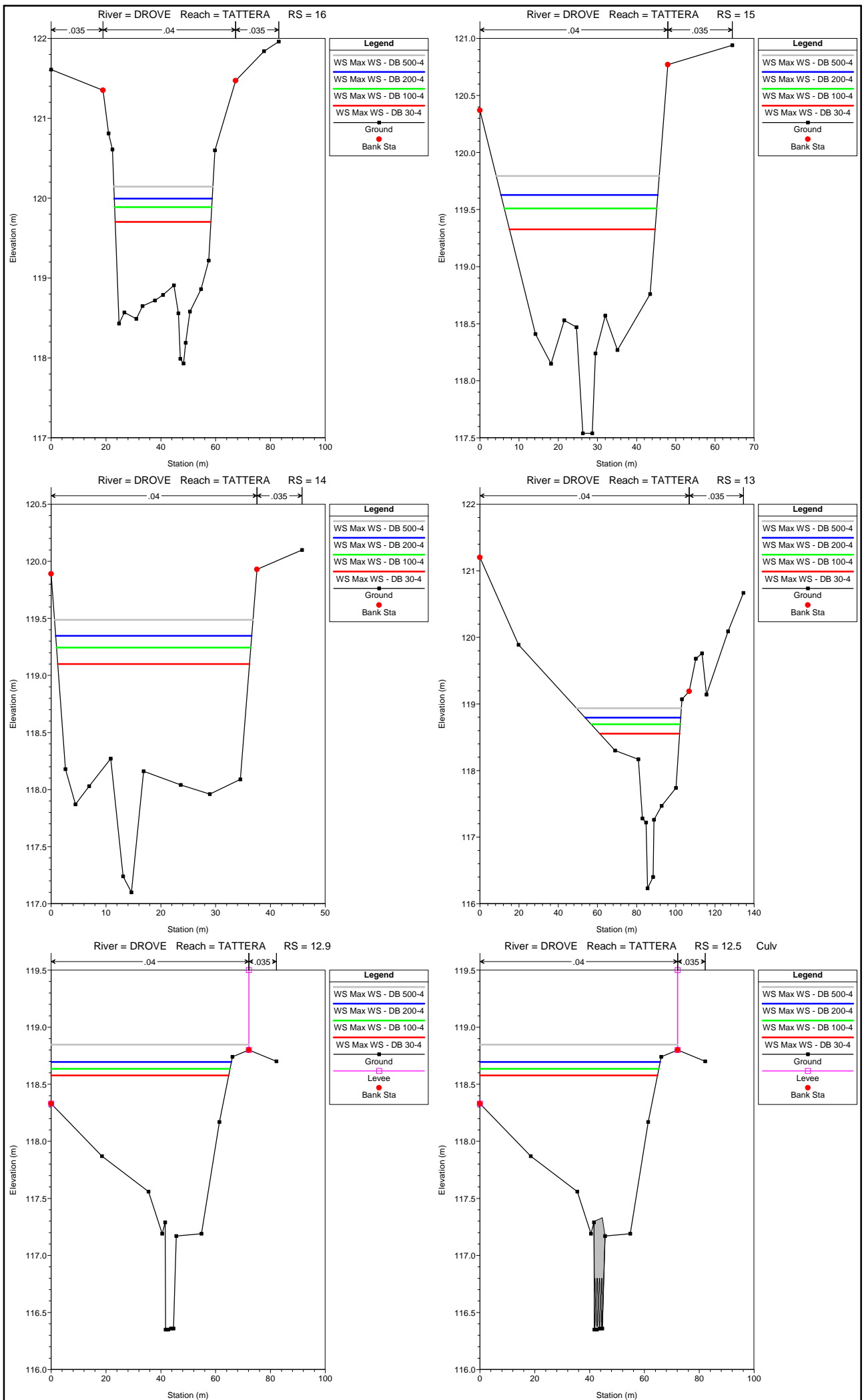


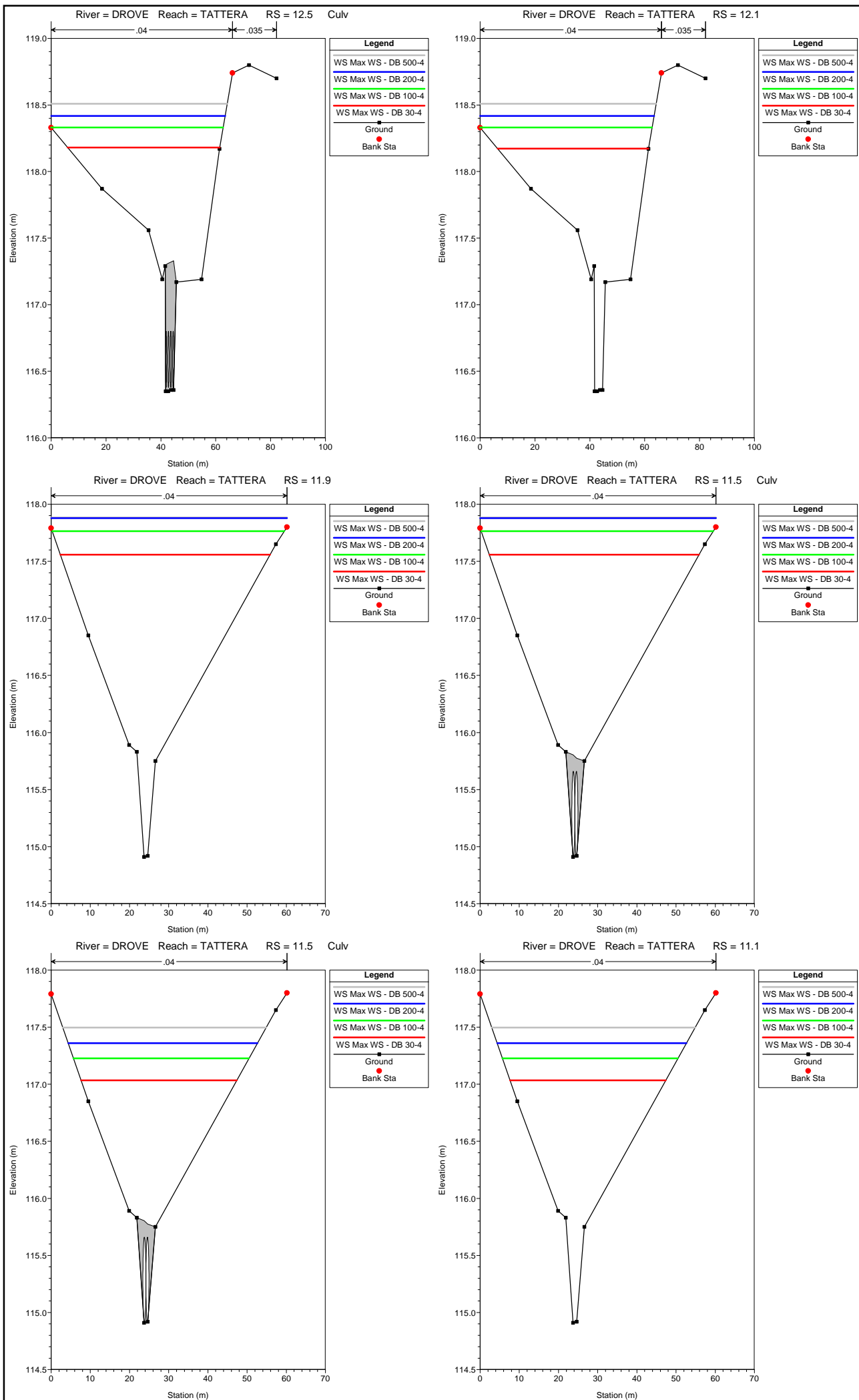


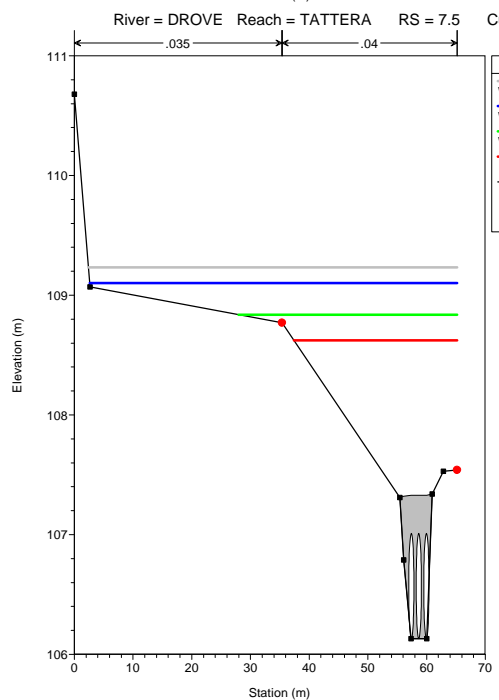
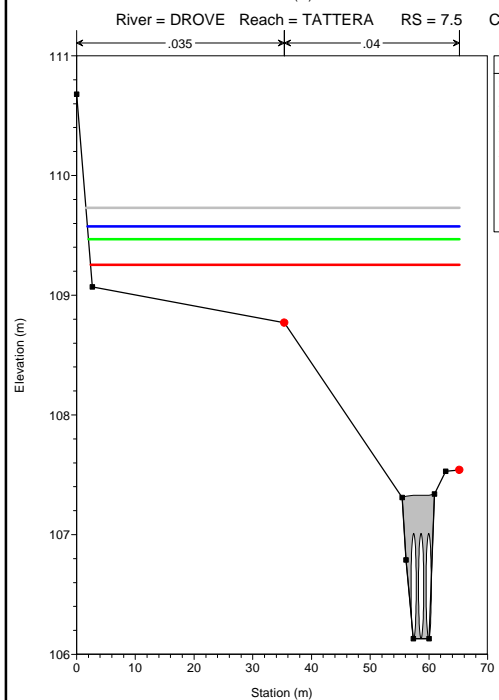
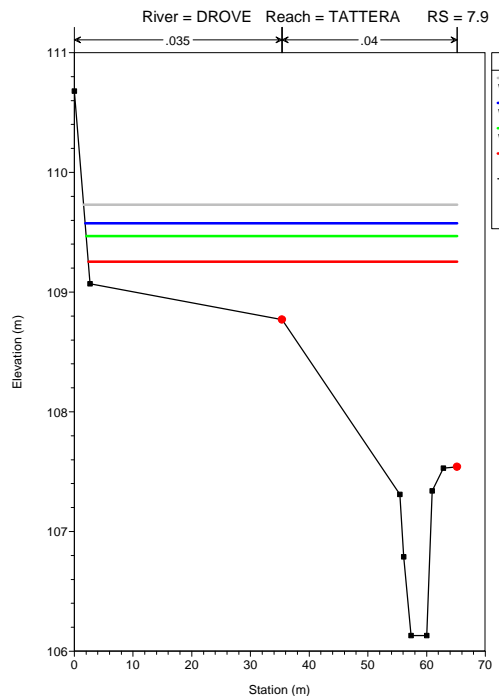
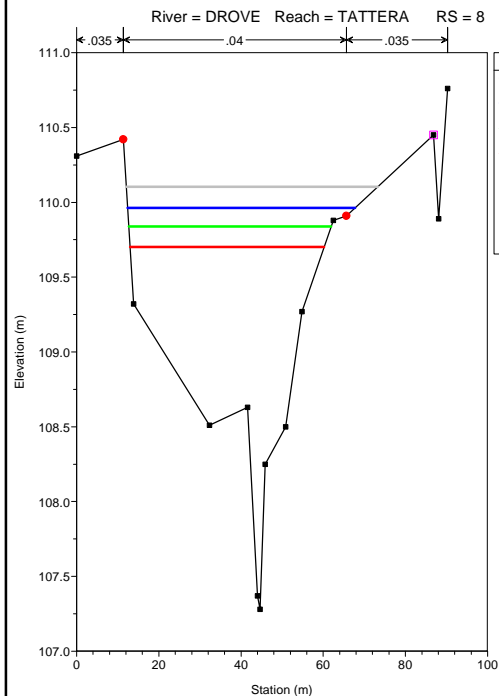
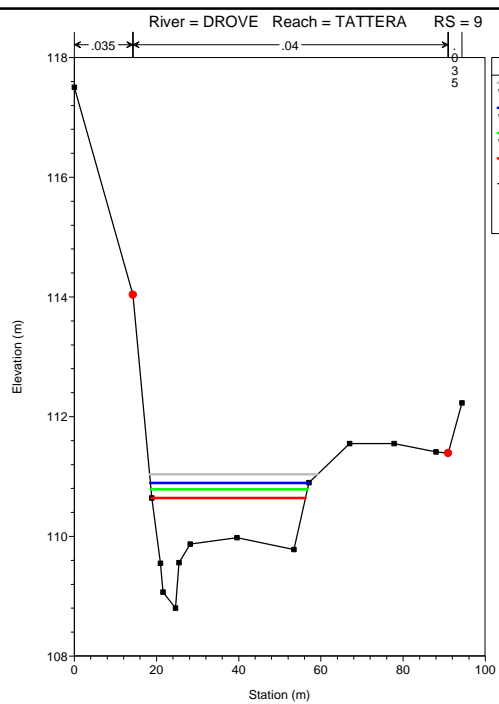
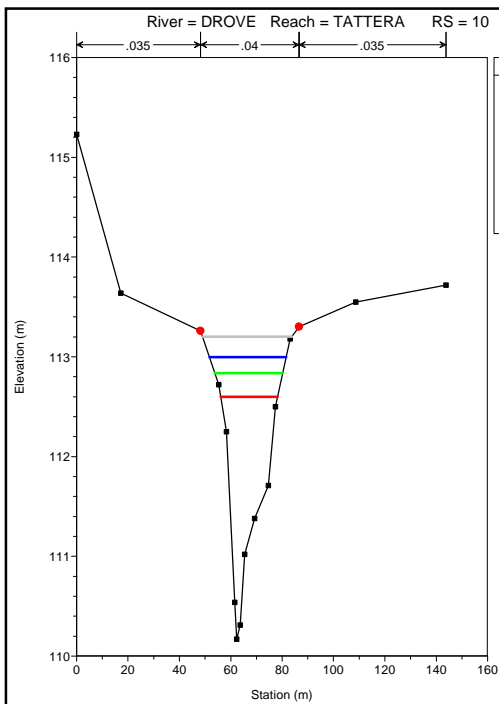


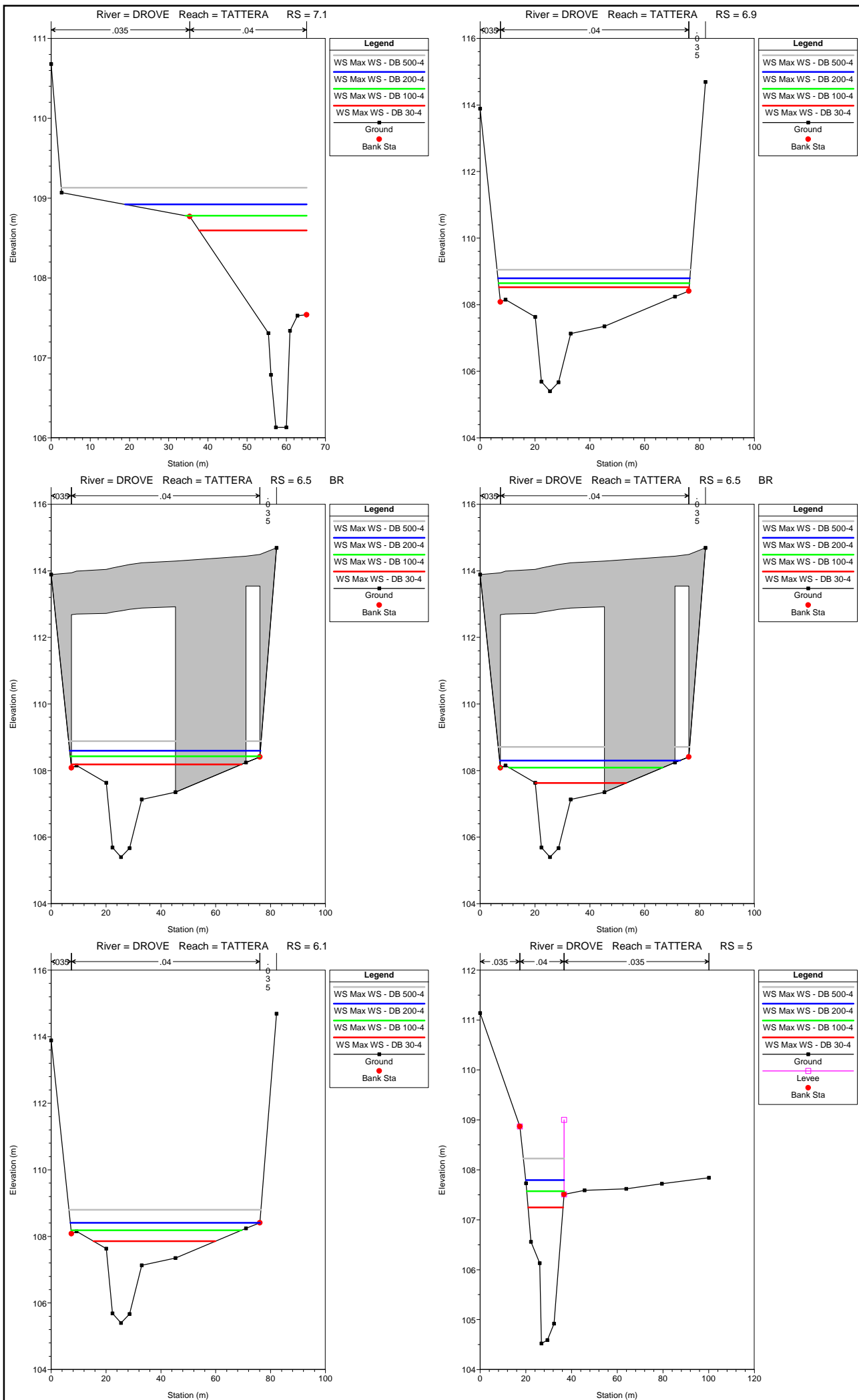


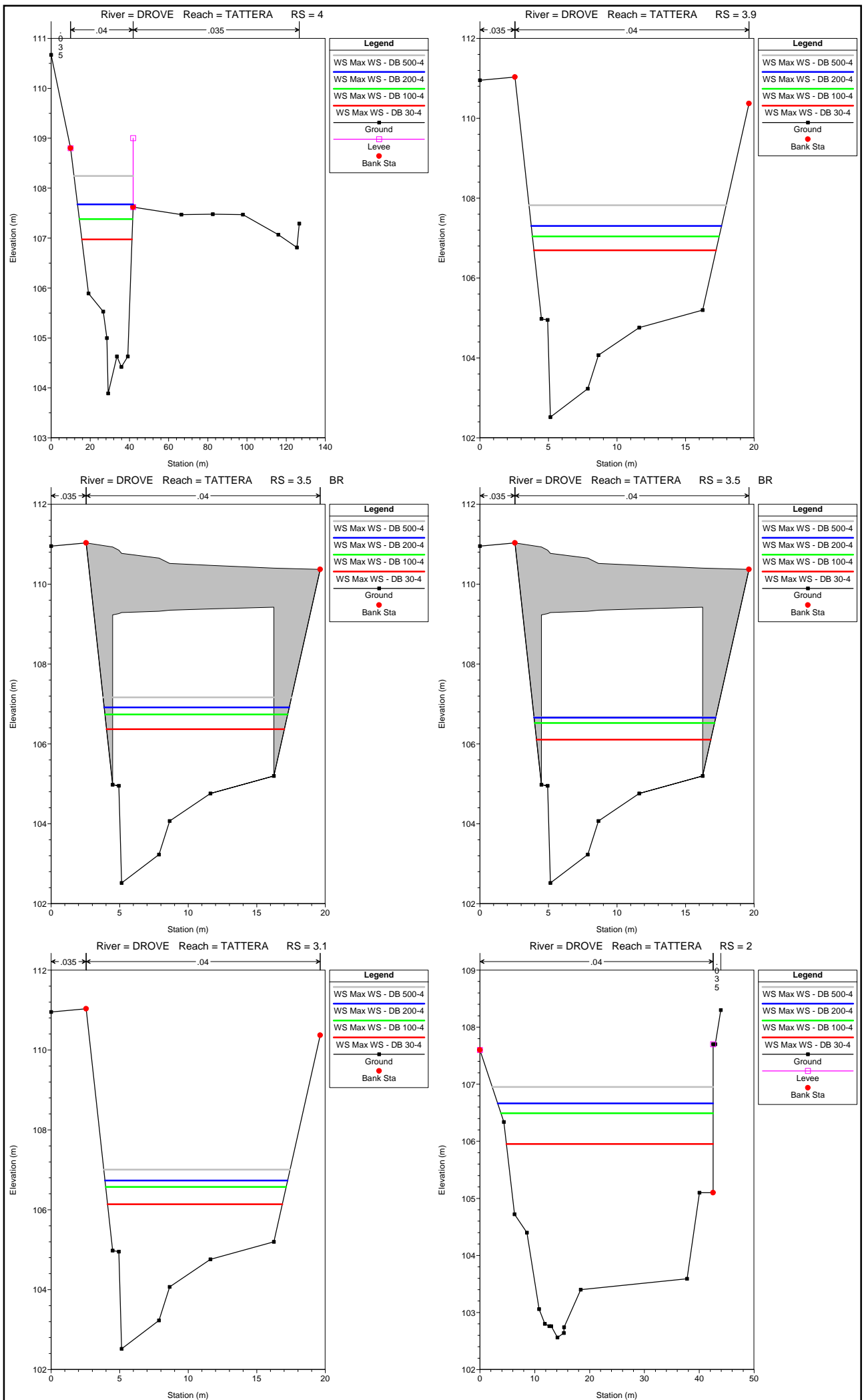


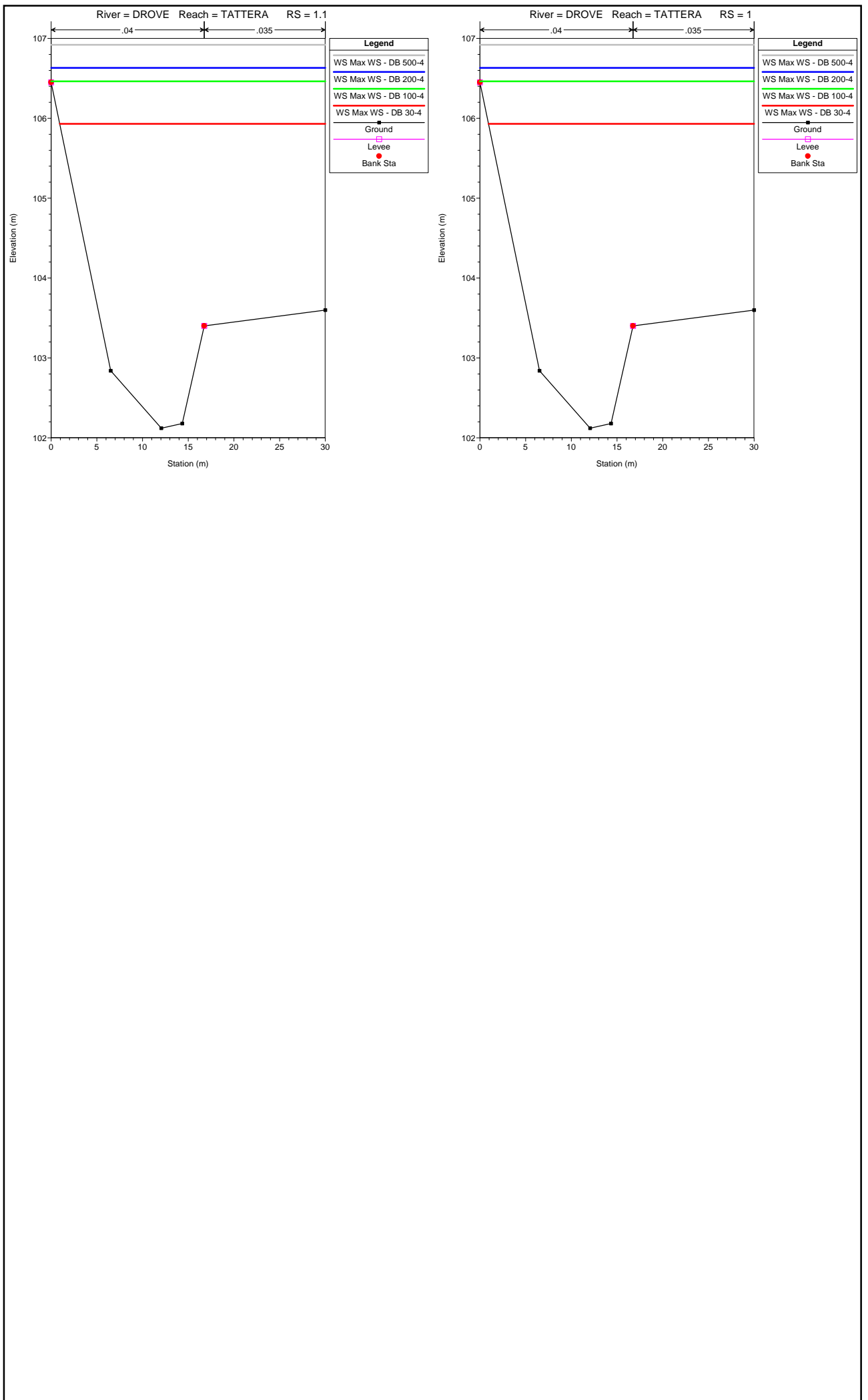


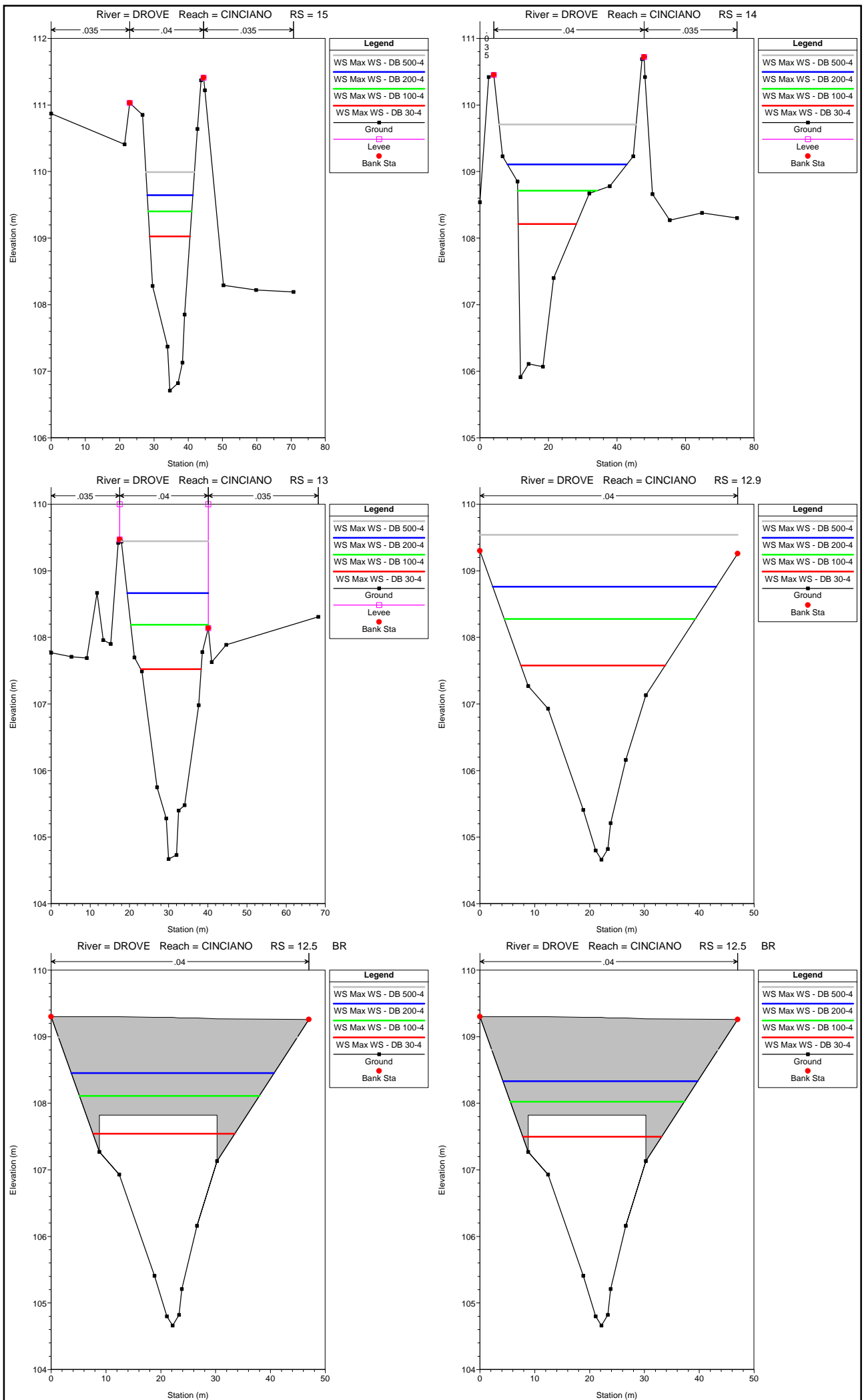


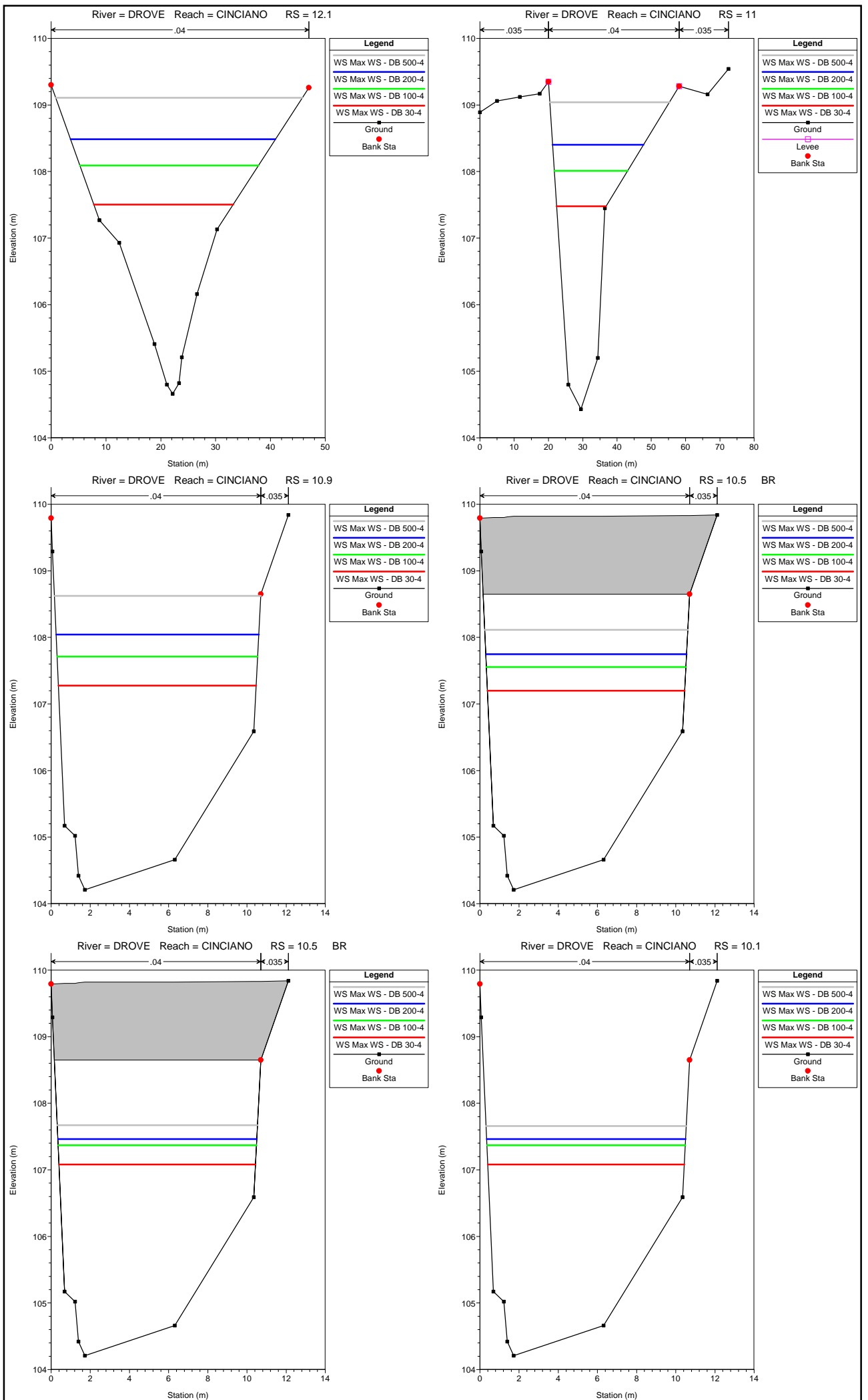


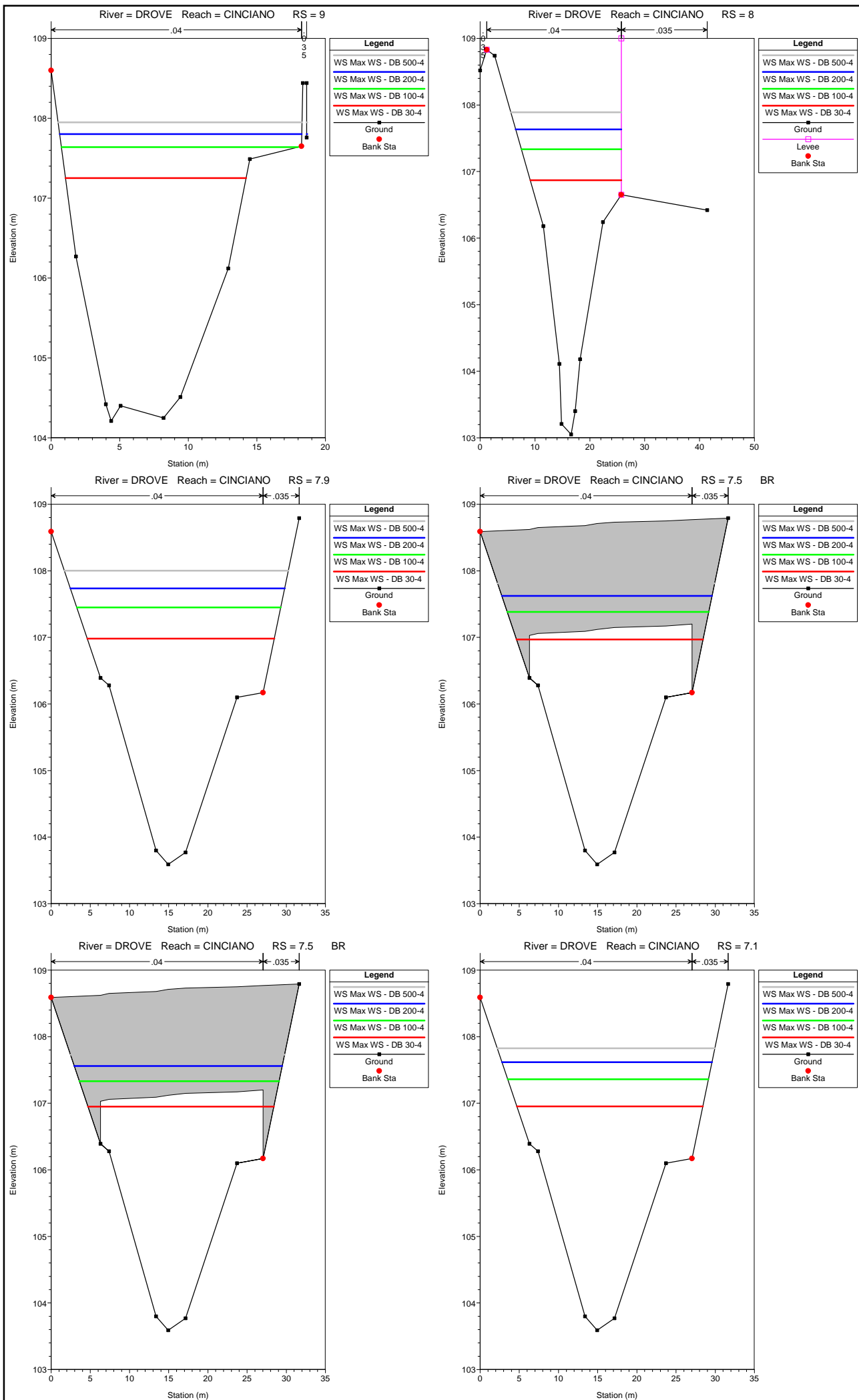


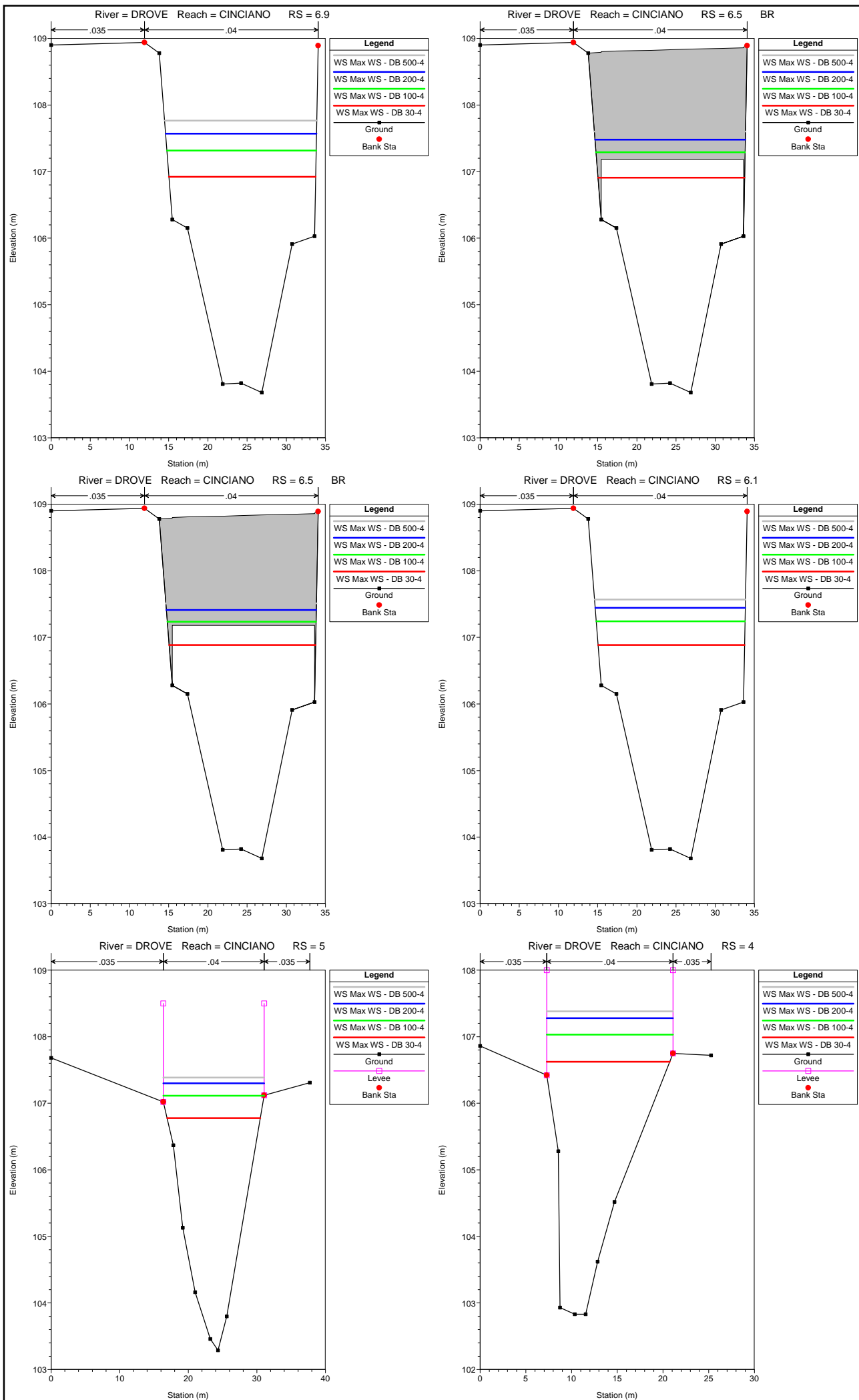


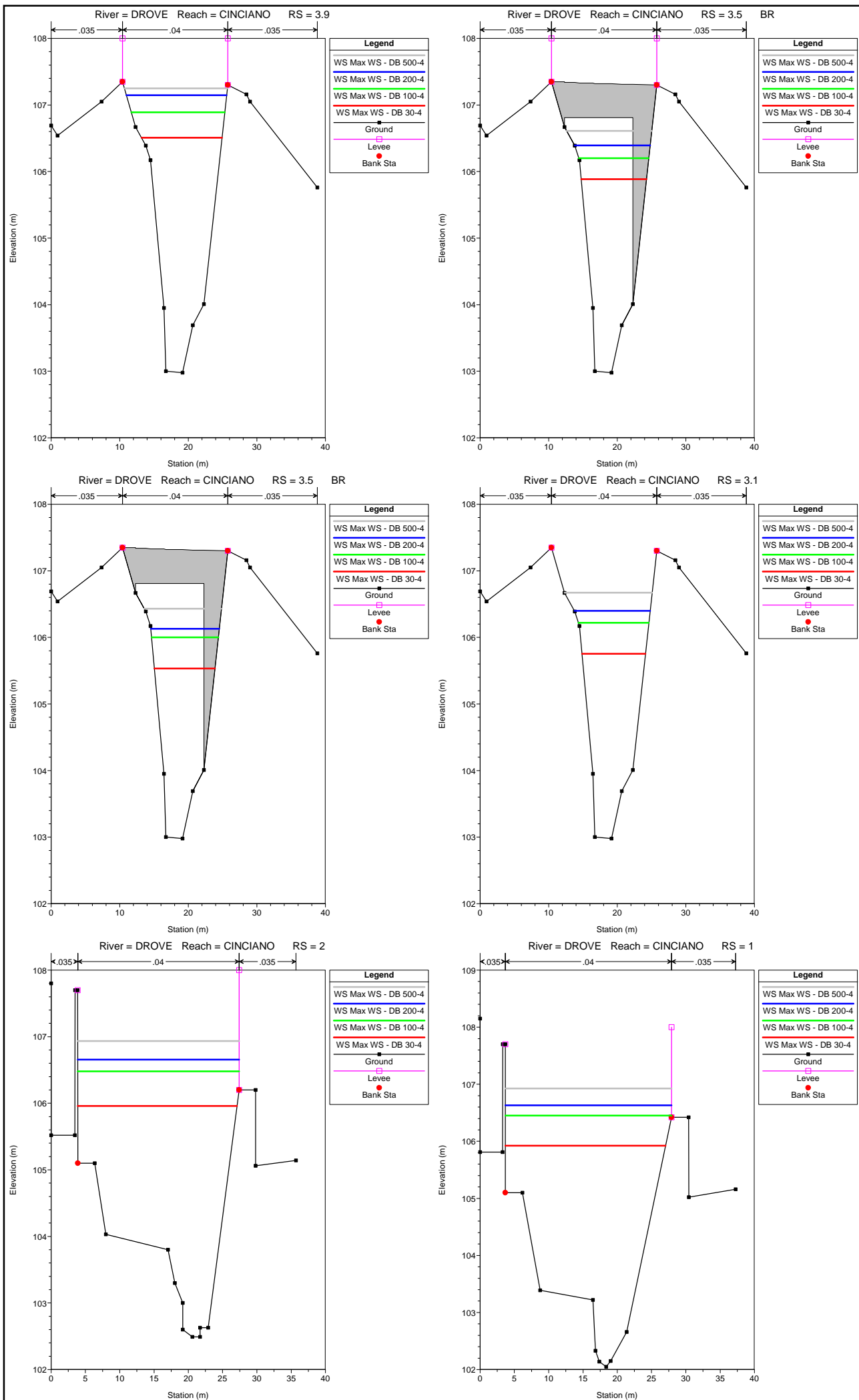


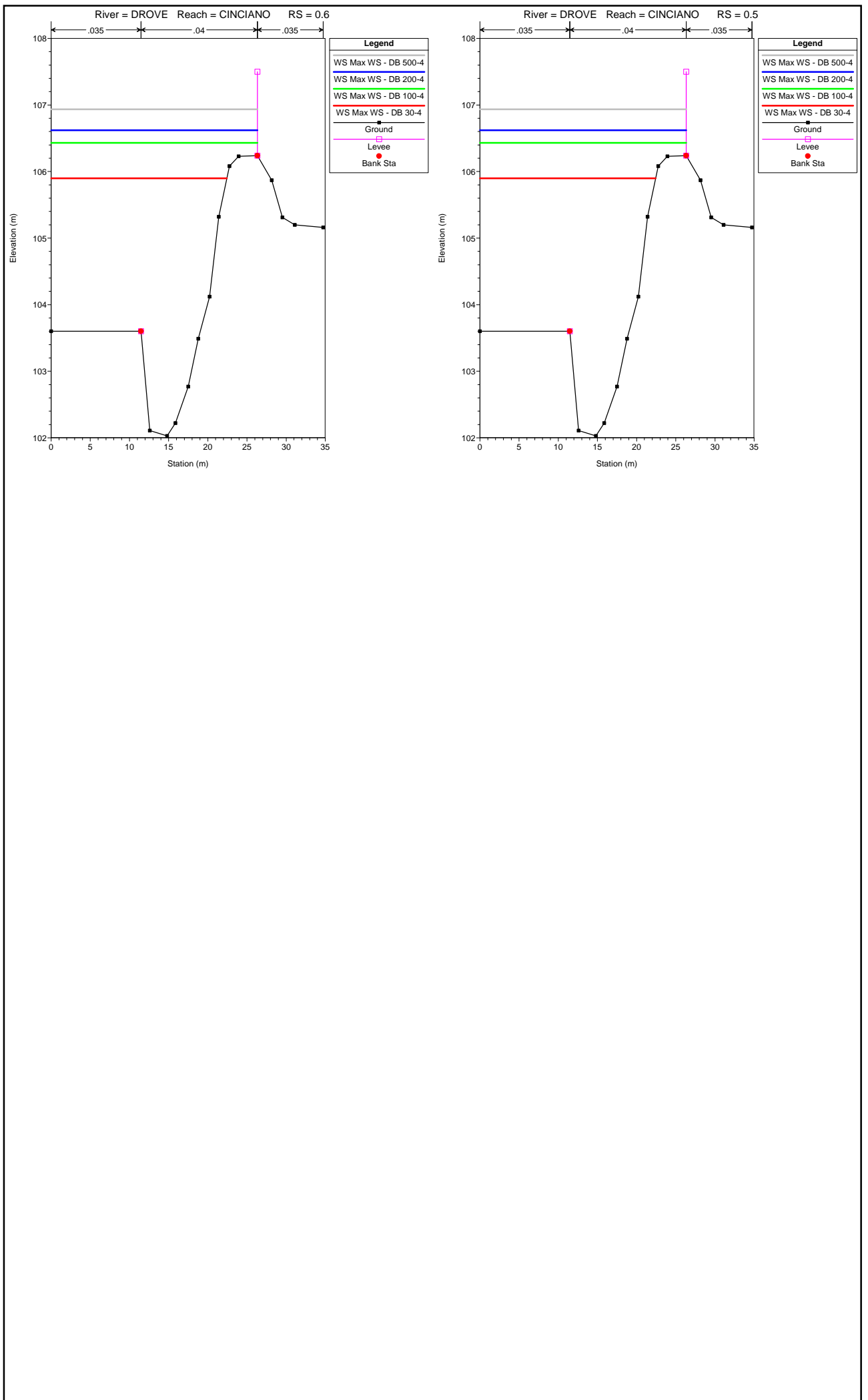


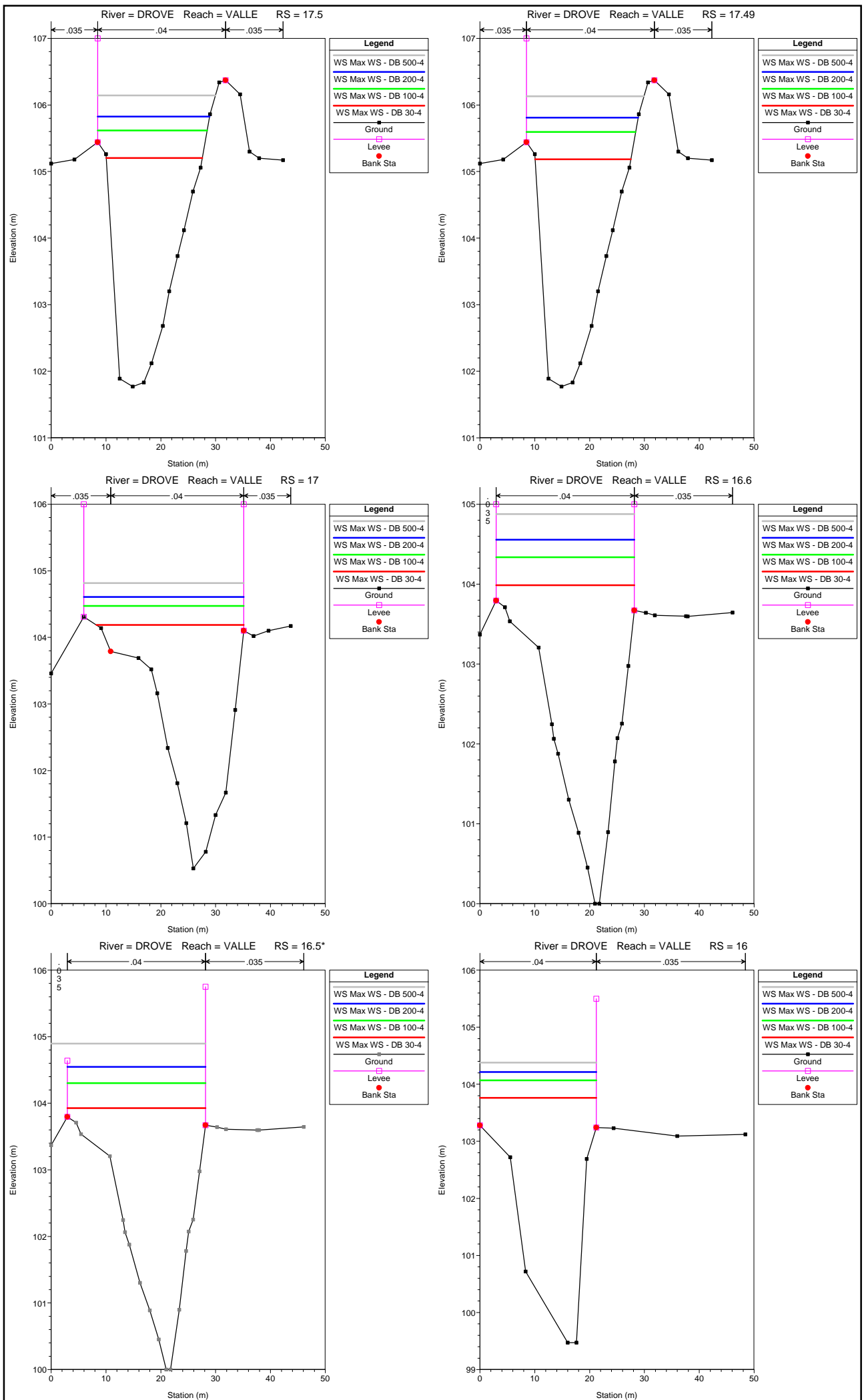


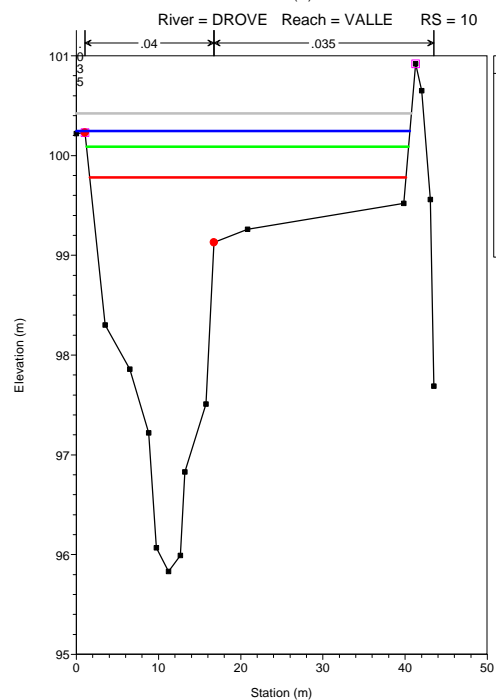
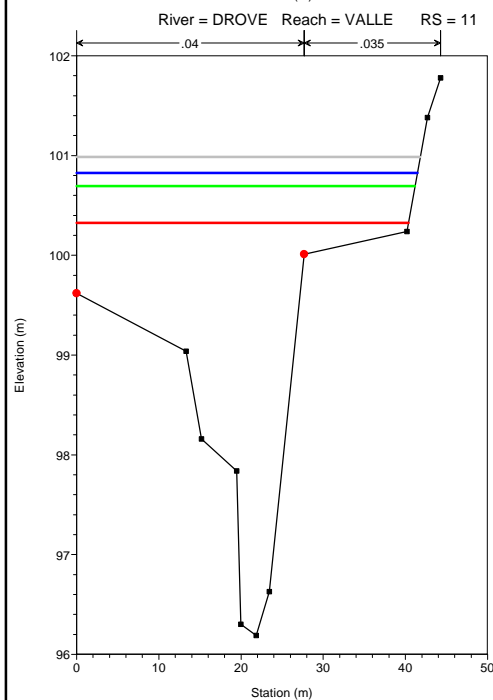
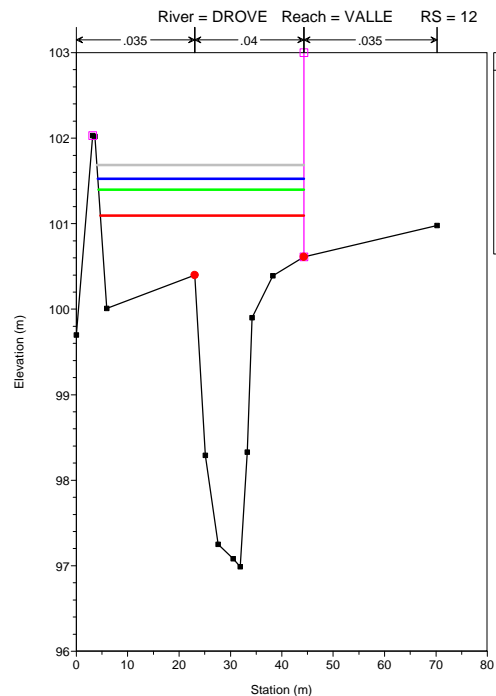
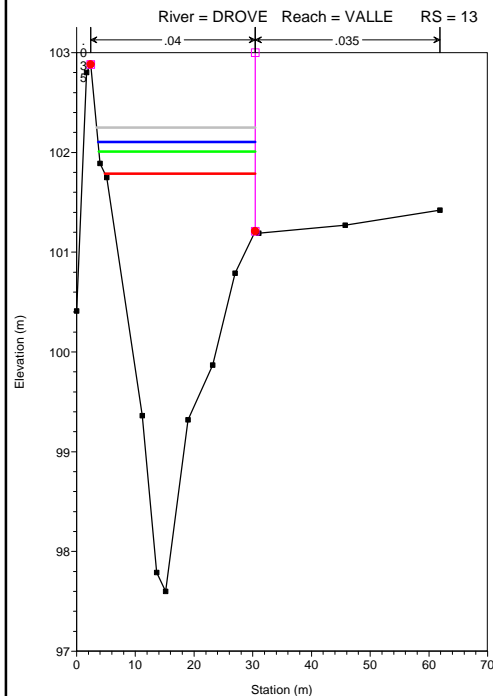
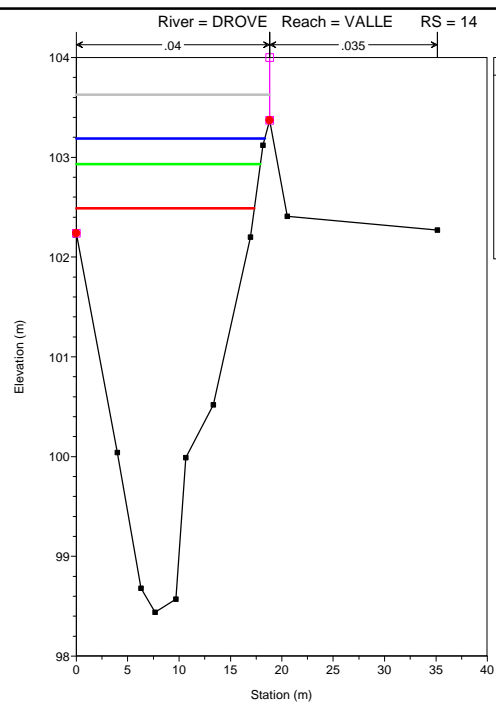
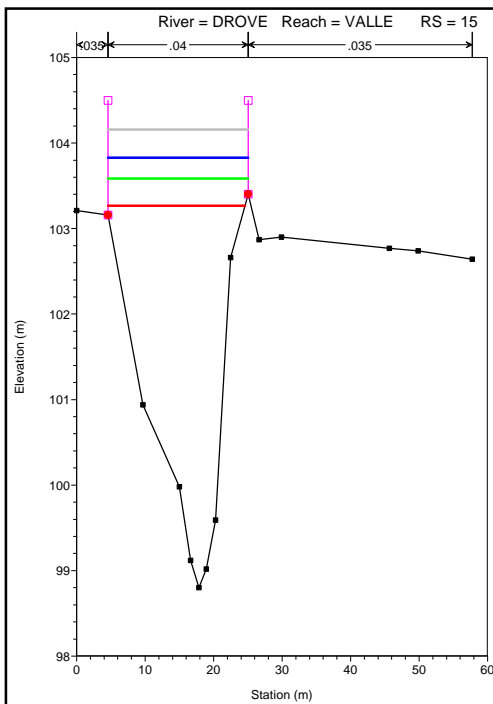


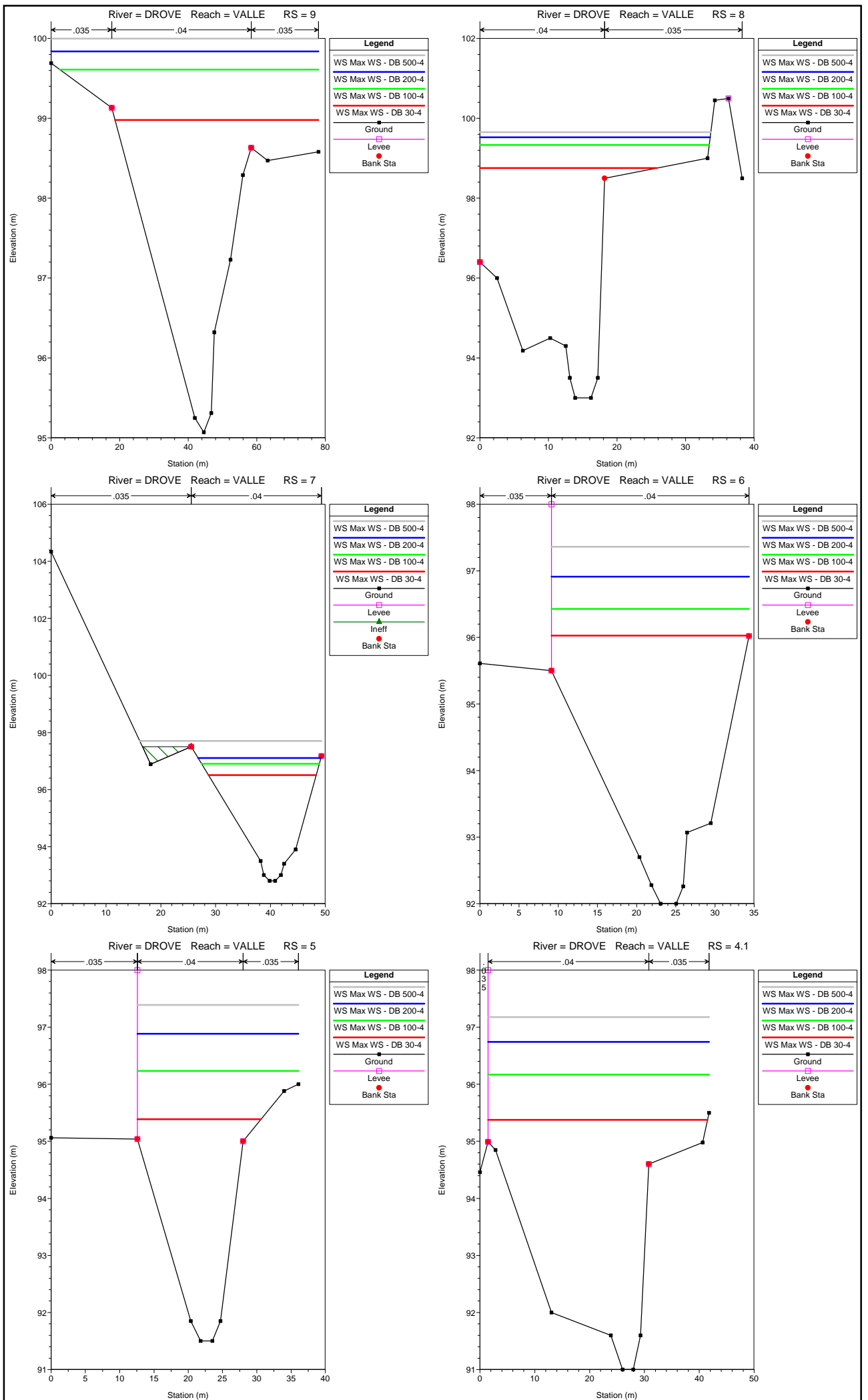


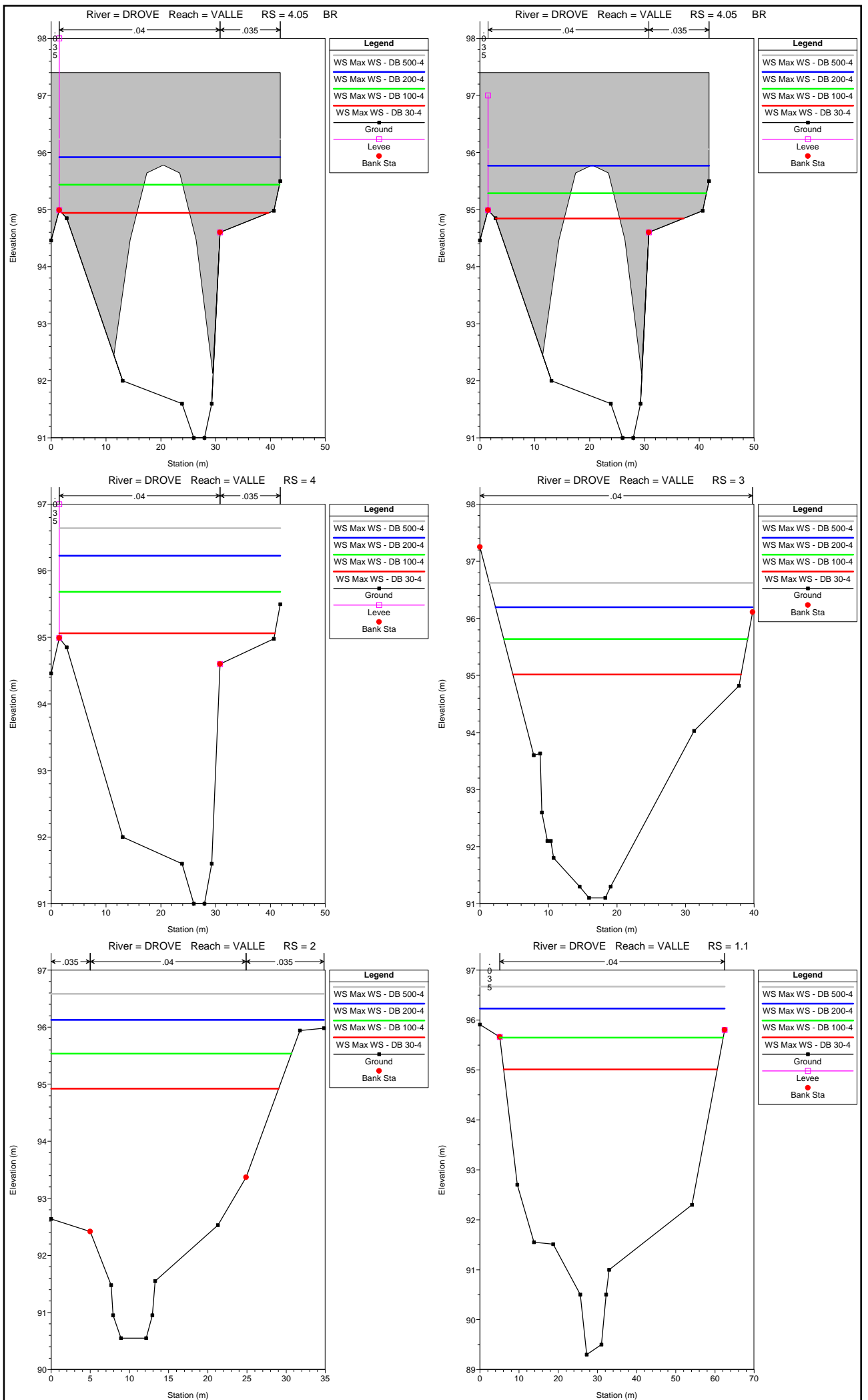


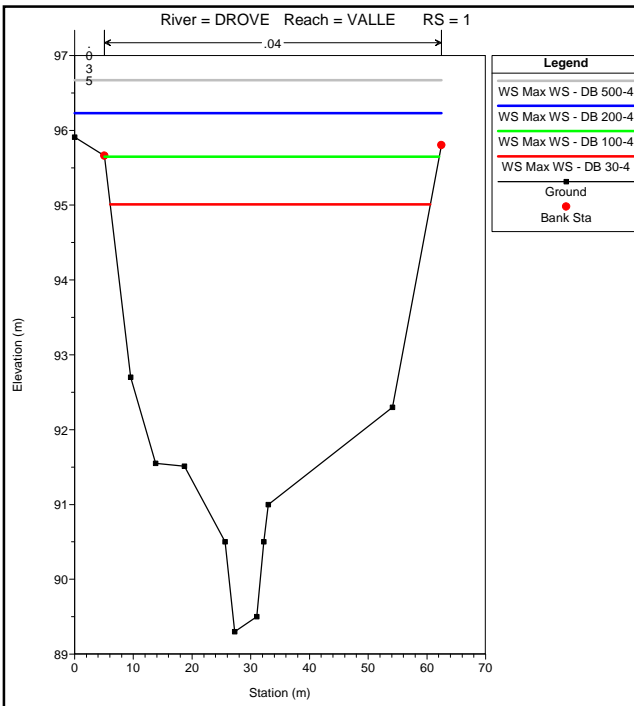












Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	10	43.53	88.90	93.10		93.22	0.004159	1.70	33.06	51.77	0.30
valle	9.6*	43.06	88.80	92.99		93.06	0.003185	1.28	42.27	73.02	0.30
valle	9.2	43.05	88.70	92.78		92.88	0.005072	1.42	30.24	23.21	0.40
valle	9	43.05	88.30	91.76		92.35	0.022994	3.40	12.65	7.32	0.83
valle	8.9	Lat Struct									
valle	8	38.74	86.00	90.13		90.20	0.001303	1.19	32.61	11.76	0.23
valle	7	37.39	86.19	90.11		90.18	0.000834	1.35	32.13	14.00	0.23
valle	6.5	Culvert									
valle	6	37.40	83.58	88.43		88.54	0.000748	1.54	27.49	7.82	0.22
valle	5	37.40	83.47	88.36		88.53	0.001886	2.01	20.67	6.42	0.29
valle	4.5	Culvert									
valle	4	3.47	81.60	84.94		84.95	0.000071	0.28	12.29	5.82	0.06
valle	3	19.74	80.99	84.95	82.13	84.99	0.000180	0.96	20.58	12.59	0.15
valle	2.95	Bridge									
valle	2.9	2.81	80.99	84.94		84.94	0.000004	0.14	20.55	12.58	0.02
valle	2	19.74	81.40	84.94		84.96	0.000209	0.61	34.79	17.77	0.12
valle	1	1.00	78.00	84.94	78.57	84.94	0.000000	0.01	114.68	39.93	0.00

HEC-RAS Plan: TR500 NOV2013 Profile: Max WS

Storage Area	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
	(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
APE 1	89.00	87.30	5.64	12.18	7.53

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
ZAMBRA	14	76.09	79.25	83.00		83.35	0.007156	2.76	29.20	17.69	0.59
ZAMBRA	13	76.08	78.79	82.98		83.01	0.000366	0.77	90.74	41.53	0.14
ZAMBRA	12	76.08	77.59	82.97		83.00	0.000240	0.81	95.71	30.40	0.12
ZAMBRA	11	76.07	76.30	82.89	79.70	82.95	0.000430	1.12	72.66	24.13	0.18
ZAMBRA	10.5	Bridge									
ZAMBRA	10	55.87	76.09	80.65		81.05	0.003928	2.79	20.00	7.73	0.55
ZAMBRA	9	14.47	76.01	80.64		80.67	0.000493	0.73	19.86	7.75	0.15
ZAMBRA	8	76.07	75.74	80.68		81.26	0.008693	3.36	22.66	8.08	0.64
ZAMBRA	7	76.07	75.78	81.00		81.06	0.000747	1.20	72.55	39.79	0.21
ZAMBRA	6	76.07	75.81	81.00		81.05	0.000479	1.12	77.18	32.59	0.18
ZAMBRA	5	76.07	75.62	80.94	78.35	81.03	0.000591	1.41	58.72	17.82	0.22
ZAMBRA	4.5	Bridge									
ZAMBRA	4	75.61	75.46	80.69		80.75	0.000340	1.08	72.55	20.34	0.16
ZAMBRA	3	56.02	75.38	80.65		80.71	0.000622	1.16	51.94	27.40	0.21
ZAMBRA	2	55.33	74.00	80.64		80.67	0.000268	0.80	70.84	23.65	0.14
ZAMBRA	1	2.00	74.20	80.63	74.81	80.63	0.000000	0.02	95.20	39.08	0.00

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
area indutrale	8	12.69	87.77	89.19		89.50	0.014370	2.48	5.12	5.95	0.85
area indutrale	7	12.14	86.76	89.02		89.13	0.003691	1.52	8.47	6.71	0.41
area indutrale	6.8	Lat Struct									
area indutrale	6	5.64	86.24	87.74		87.90	0.010370	1.79	3.15	4.30	0.67
area indutrale	5	10.19	85.57	87.18	87.19	87.61	0.025747	2.90	3.51	4.15	1.01
area indutrale	4.9	Lat Struct									
area indutrale	4	10.19	85.44	87.21		87.43	0.009265	2.06	4.95	5.02	0.66
area indutrale	3	9.45	84.72	87.24		87.32	0.002889	1.28	7.37	5.71	0.36
area indutrale	2	4.70	84.29	87.32		87.41	0.000740	1.33	3.54	3.68	0.25
area indutrale	1.5	Culvert									
area indutrale	1.4	3.10	81.47	83.43		83.46	0.000661	0.78	3.95	2.02	0.18
area indutrale	1.3	3.02	81.47	83.42	82.08	83.45	0.000641	0.77	3.92	2.02	0.18
area indutrale	1.2	Bridge									
area indutrale	1.1	1.67	81.30	83.41		83.42	0.000162	0.39	4.25	2.02	0.09
area indutrale	1	3.21	80.91	83.40		83.40	0.000102	0.28	12.44	11.39	0.08
area indutrale	0.5	0.99	77.04	83.39	77.44	83.39	0.000000	0.02	52.73	17.58	0.00

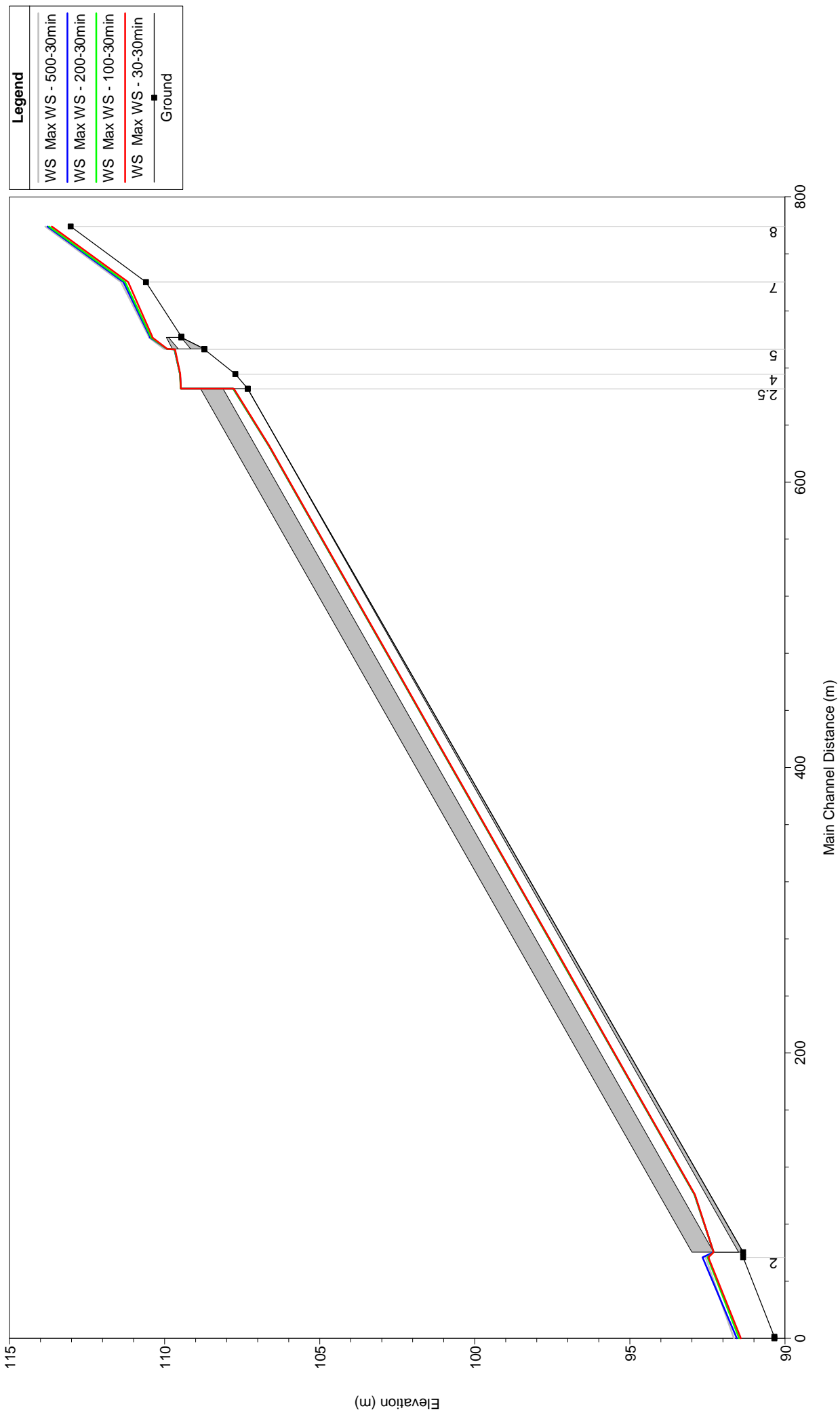
HEC-RAS Plan: TR500 NOV2013 Profile: Max WS

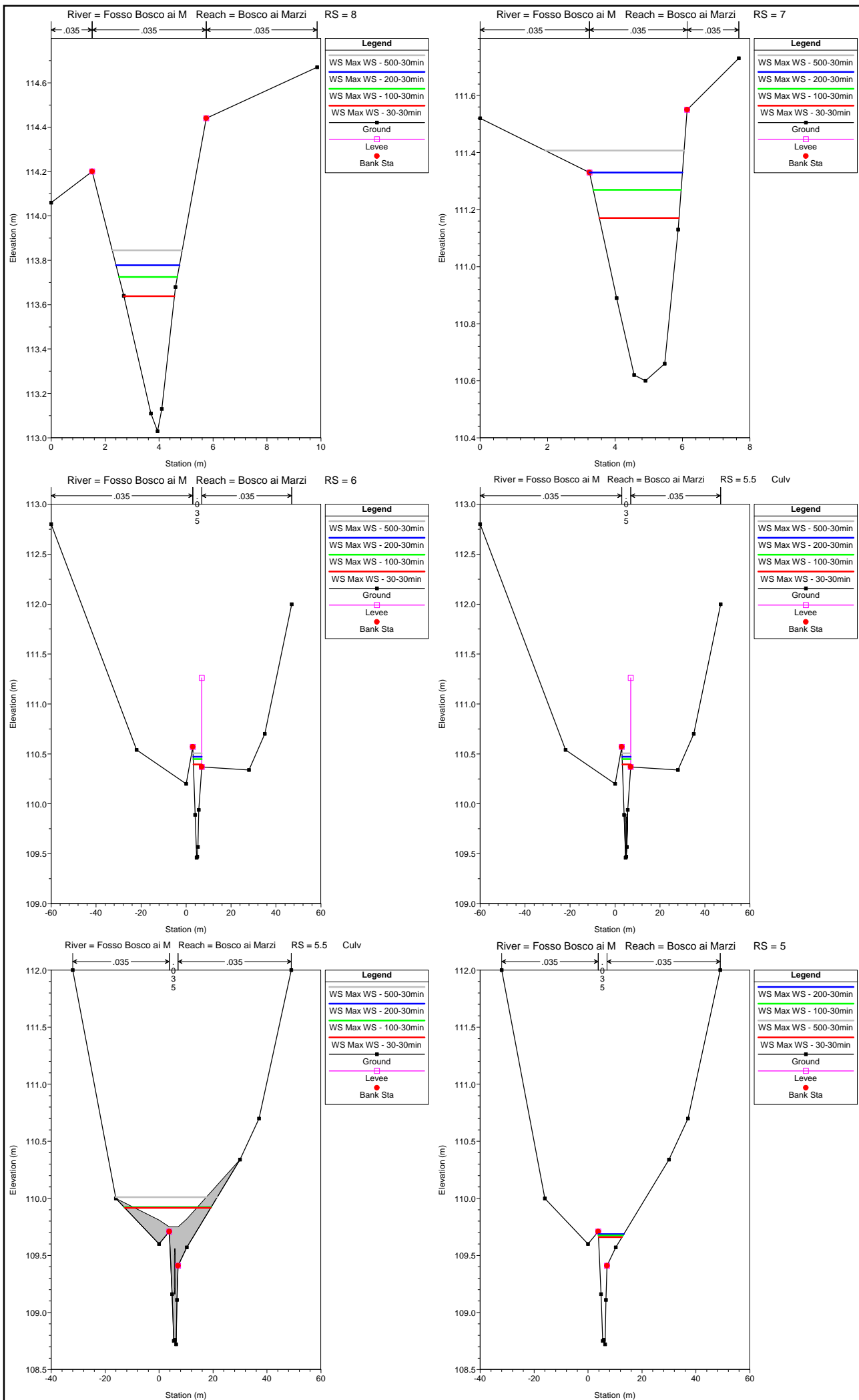
Storage Area	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
	(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
APE A	85.40	84.10	0.93	1.64	0.47
APE B	84.84	81.60	4.55	14.75	5.88
APE C	85.37	82.70	2.58	8.69	2.63

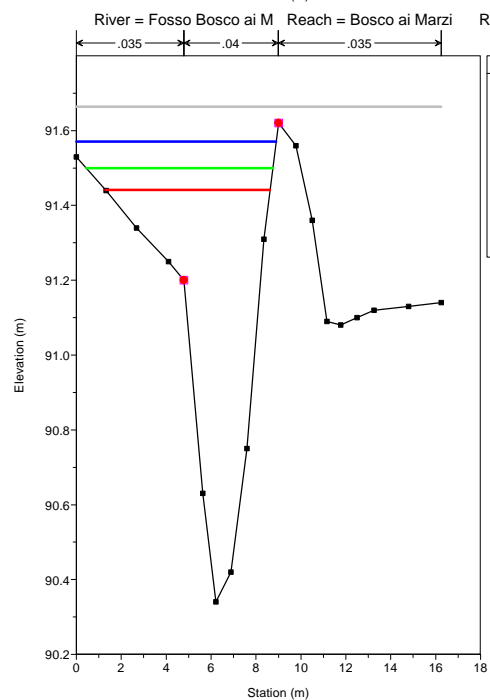
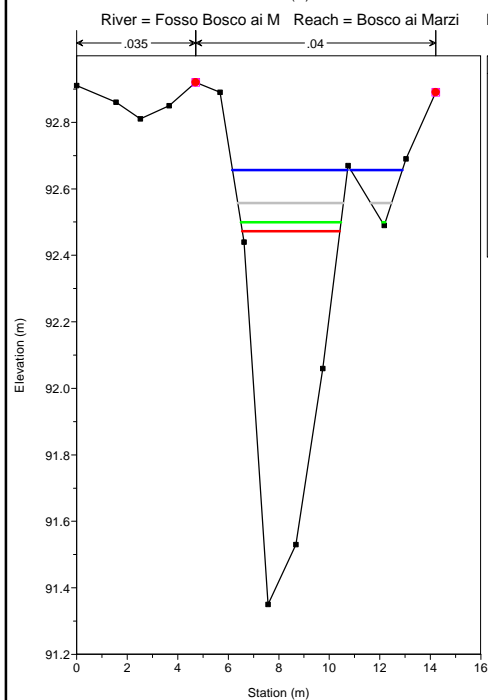
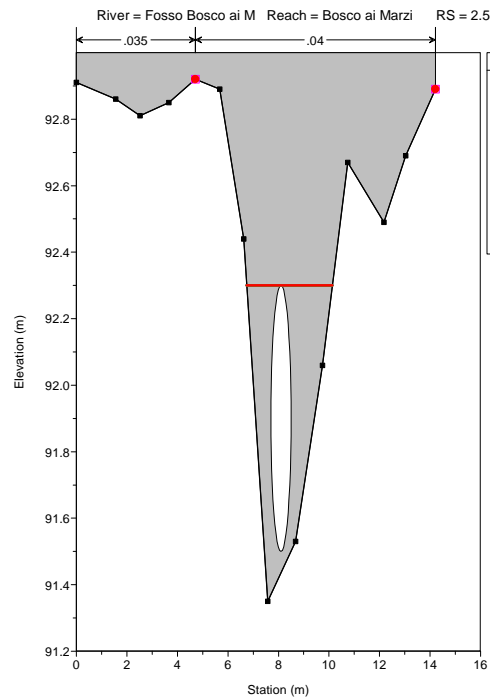
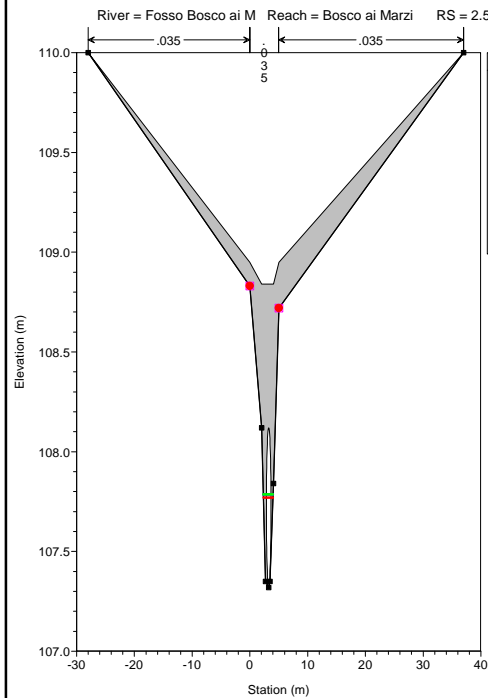
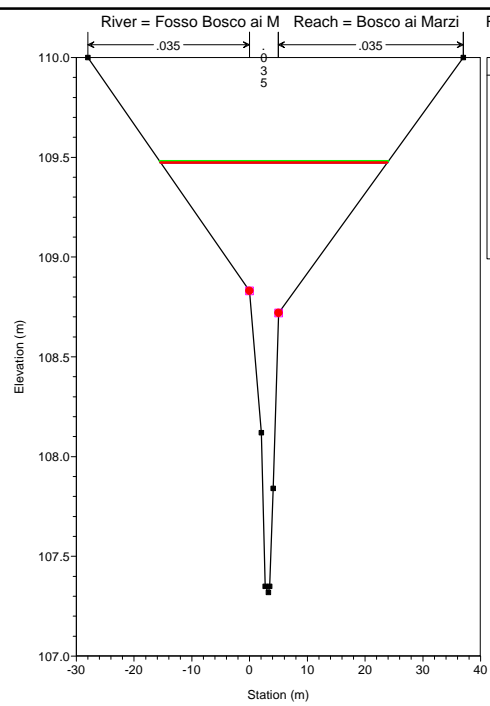
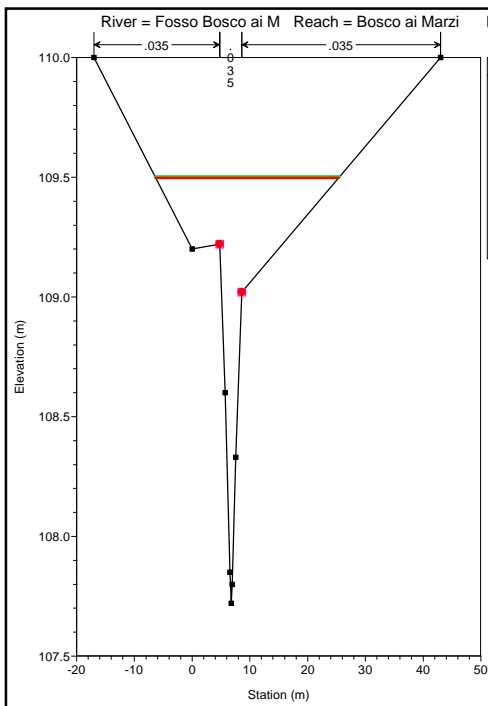
Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
area industriale	18	10.88	87.95	88.99	89.05	89.26	0.027156	2.30	4.84	14.06	1.12
area industriale	17	10.87	85.05	86.55	86.62	86.94	0.024874	2.79	4.00	7.41	1.08
area industriale	16	10.86	83.67	85.85		86.02	0.007596	1.85	6.29	10.37	0.59
area industriale	15	10.86	83.24	85.73		85.78	0.001830	1.10	11.36	13.71	0.30
area industriale	14.5	Culvert									
area industriale	14	10.83	83.03	84.66	84.78	85.09	0.023809	3.58	4.39	11.00	0.90
area industriale	13.1	10.73	83.01	84.64	84.73	84.99	0.009197	2.91	5.17	11.80	0.73
area industriale	13	10.73	83.01	84.64	84.73	84.99	0.009191	2.90	5.17	11.80	0.73
area industriale	12.9	Inl Struct									
area industriale	11	10.87	82.37	84.35		84.69	0.006826	2.59	4.19	2.17	0.60
area industriale	10	10.83	82.26	84.16		84.51	0.006986	2.62	4.13	2.19	0.61
area industriale	9	10.83	82.06	83.77		84.21	0.009381	2.94	3.68	2.18	0.72
area industriale	8	10.36	81.96	83.42		83.99	0.013439	3.35	3.09	2.13	0.89
area industriale	7	10.64	81.95	83.44	82.75	83.55	0.001590	1.50	7.08	4.77	0.39
area industriale	6.9	Inl Struct									
area industriale	6	10.93	81.53	83.42		83.48	0.001696	1.09	10.00	7.83	0.31
area industriale	5	10.91	81.14	83.37		83.41	0.000910	0.90	12.72	12.90	0.24
area industriale	4	10.85	81.07	83.35		83.40	0.000463	1.01	11.76	11.11	0.22
area industriale	3	10.85	81.04	83.23		83.43	0.003183	1.98	6.17	7.60	0.43
area industriale	2	10.84	80.98	83.26		83.39	0.002767	1.78	8.02	12.40	0.39
area industriale	1	4.57	80.67	82.87		82.93	0.001059	1.05	4.34	2.37	0.25
area industriale	0.9	10.84	80.63	82.89	81.79	83.02	0.001947	1.64	6.61	3.02	0.35
area industriale	0.8	Bridge									
area industriale	0.7	4.64	80.56	82.86		82.88	0.000318	0.67	6.92	3.02	0.14
area industriale	0.6	4.62	80.17	82.87		82.88	0.000037	0.21	24.16	24.54	0.06
area industriale	0.5	0.10	77.89	82.86	77.98	82.86	0.000000	0.00	46.59	21.29	0.00

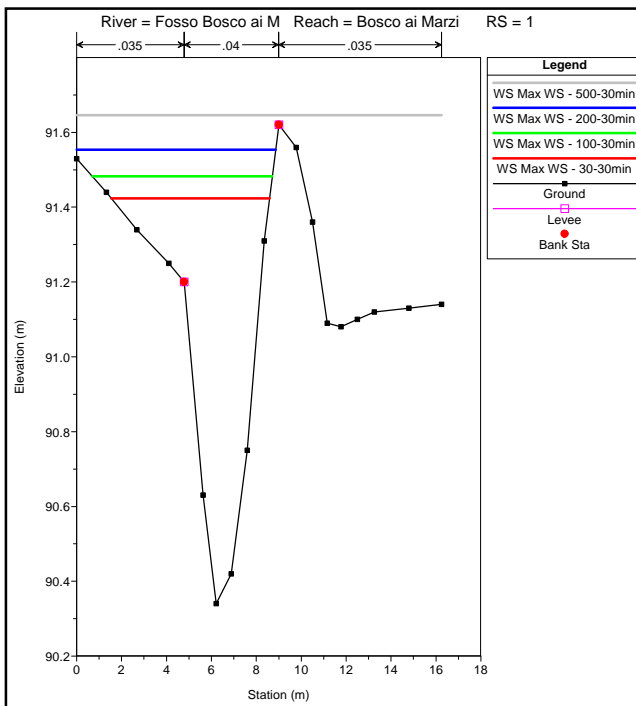
Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Bosco ai Marzi	8	500-15min	6.00	113.03	113.93	114.28	115.01	0.095258	4.61	1.30	2.90	2.19
Bosco ai Marzi	8	500-30min	4.61	113.03	113.84	114.14	114.79	0.093621	4.30	1.07	2.60	2.14
Bosco ai Marzi	8	200-15min	4.60	113.03	113.84	114.14	114.79	0.093571	4.30	1.07	2.59	2.14
Bosco ai Marzi	8	200-30min	3.69	113.03	113.78	114.05	114.62	0.093013	4.08	0.90	2.35	2.10
Bosco ai Marzi	8	100-15min	3.71	113.03	113.78	114.05	114.63	0.093257	4.09	0.91	2.36	2.10
Bosco ai Marzi	8	100-30min	3.09	113.03	113.72	113.97	114.51	0.093854	3.93	0.79	2.16	2.08
Bosco ai Marzi	8	30-15min	2.47	113.03	113.66	113.89	114.38	0.093902	3.74	0.66	1.95	2.05
Bosco ai Marzi	8	30-30min	2.23	113.03	113.64	113.86	114.32	0.093791	3.65	0.61	1.88	2.04
Bosco ai Marzi	7	500-15min	5.93	110.60	111.50	111.67	112.00	0.030174	3.19	2.04	5.81	1.29
Bosco ai Marzi	7	500-30min	4.60	110.60	111.41	111.58	111.87	0.032276	3.02	1.56	4.12	1.31
Bosco ai Marzi	7	200-15min	4.55	110.60	111.40	111.58	111.86	0.032394	3.01	1.55	4.05	1.31
Bosco ai Marzi	7	200-30min	3.68	110.60	111.33	111.48	111.74	0.033598	2.83	1.30	2.76	1.32
Bosco ai Marzi	7	100-15min	3.68	110.60	111.33	111.47	111.74	0.033606	2.83	1.30	2.76	1.32
Bosco ai Marzi	7	100-30min	3.08	110.60	111.27	111.37	111.64	0.033822	2.71	1.14	2.61	1.31
Bosco ai Marzi	7	30-15min	2.45	110.60	111.20	111.28	111.53	0.034008	2.56	0.96	2.43	1.30
Bosco ai Marzi	7	30-30min	2.22	110.60	111.17	111.25	111.49	0.034078	2.49	0.89	2.36	1.30
Bosco ai Marzi	6	500-15min	5.92	109.46	110.56		110.88	0.019654	2.51	2.36	4.02	1.05
Bosco ai Marzi	6	500-30min	4.60	109.46	110.51		110.74	0.015308	2.13	2.16	3.94	0.92
Bosco ai Marzi	6	200-15min	4.55	109.46	110.50		110.73	0.015111	2.11	2.15	3.94	0.91
Bosco ai Marzi	6	200-30min	3.68	109.46	110.47		110.64	0.011850	1.82	2.02	3.88	0.81
Bosco ai Marzi	6	100-15min	3.67	109.46	110.47		110.64	0.011817	1.82	2.02	3.88	0.81
Bosco ai Marzi	6	100-30min	3.08	109.46	110.45		110.58	0.009455	1.60	1.93	3.85	0.72
Bosco ai Marzi	6	30-15min	2.44	109.46	110.41		110.50	0.007473	1.37	1.78	3.79	0.64
Bosco ai Marzi	6	30-30min	2.22	109.46	110.40		110.48	0.006758	1.28	1.73	3.76	0.60
Bosco ai Marzi	5.5		Culvert									
Bosco ai Marzi	5	500-15min	2.65	108.72	109.64		109.72	0.005662	1.34	2.32	8.09	0.56
Bosco ai Marzi	5	500-30min	2.14	108.72	109.67		109.72	0.002903	0.98	2.63	9.07	0.41
Bosco ai Marzi	5	200-15min	2.39	108.72	109.65		109.72	0.004144	1.16	2.45	8.51	0.48
Bosco ai Marzi	5	200-30min	1.93	108.72	109.69		109.72	0.002161	0.86	2.74	9.41	0.35
Bosco ai Marzi	5	100-15min	2.35	108.72	109.66		109.71	0.003926	1.13	2.47	8.59	0.47
Bosco ai Marzi	5	100-30min	1.79	108.72	109.67		109.71	0.002018	0.82	2.63	9.09	0.34
Bosco ai Marzi	5	30-15min	2.14	108.72	109.67		109.72	0.002903	0.98	2.63	9.07	0.41
Bosco ai Marzi	5	30-30min	1.57	108.72	109.66		109.69	0.001709	0.75	2.51	8.70	0.31
Bosco ai Marzi	4	500-15min	-0.63	107.72	109.49		109.49	0.000015	-0.10	10.16	31.38	0.03
Bosco ai Marzi	4	500-30min	-0.69	107.72	109.50		109.50	0.000016	-0.10	10.37	31.75	0.03
Bosco ai Marzi	4	200-15min	-0.83	107.72	109.48		109.48	0.000026	-0.13	9.84	30.81	0.04
Bosco ai Marzi	4	200-30min	-0.78	107.72	109.50		109.50	0.000021	-0.12	10.45	31.89	0.04
Bosco ai Marzi	4	100-15min	0.12	107.72	109.50		109.50	0.000000	0.02	10.38	31.77	0.01
Bosco ai Marzi	4	100-30min	-0.90	107.72	109.50		109.50	0.000027	-0.13	10.50	31.99	0.04
Bosco ai Marzi	4	30-15min	-0.69	107.72	109.50		109.50	0.000016	-0.10	10.37	31.75	0.03
Bosco ai Marzi	4	30-30min	-0.93	107.72	109.50		109.50	0.000030	-0.14	10.31	31.65	0.04
Bosco ai Marzi	3	500-15min	0.59	107.32	109.47		109.47	0.000002	0.05	18.94	39.03	0.01
Bosco ai Marzi	3	500-30min	0.59	107.32	109.47		109.47	0.000002	0.05	19.11	39.24	0.01
Bosco ai Marzi	3	200-15min	0.56	107.32	109.46		109.46	0.000002	0.05	18.65	38.66	0.01
Bosco ai Marzi	3	200-30min	0.59	107.32	109.48		109.48	0.000002	0.05	19.19	39.34	0.01
Bosco ai Marzi	3	100-15min	0.59	107.32	109.48		109.48	0.000002	0.05	19.21	39.36	0.01
Bosco ai Marzi	3	100-30min	0.59	107.32	109.48		109.48	0.000002	0.05	19.35	39.54	0.01
Bosco ai Marzi	3	30-15min	0.59	107.32	109.47		109.47	0.000002	0.05	19.11	39.24	0.01
Bosco ai Marzi	3	30-30min	0.55	107.32	109.47		109.47	0.000002	0.04	19.11	39.24	0.01
Bosco ai Marzi	2.5		Culvert									
Bosco ai Marzi	2	500-15min	5.80	91.35	92.57		92.76	0.015413	1.94	2.99	5.21	0.82
Bosco ai Marzi	2	500-30min	7.01	91.35	92.56	92.56	92.85	0.023098	2.40	2.92	5.01	1.00
Bosco ai Marzi	2	200-15min	6.90	91.35	92.50	92.54	92.84	0.024079	2.60	2.65	4.05	1.03
Bosco ai Marzi	2	200-30min	7.56	91.35	92.66	92.62	92.89	0.020586	2.16	3.50	6.61	0.95
Bosco ai Marzi	2	100-15min	7.23	91.35	92.57	92.59	92.87	0.023970	2.42	2.99	5.21	1.02
Bosco ai Marzi	2	100-30min	7.08	91.35	92.50	92.57	92.86	0.025278	2.66	2.66	4.09	1.05
Bosco ai Marzi	2	30-15min	7.01	91.35	92.56	92.56	92.85	0.023098	2.40	2.92	5.01	1.00
Bosco ai Marzi	2	30-30min	6.79	91.35	92.47	92.52	92.83	0.024918	2.66	2.55	3.87	1.04
Bosco ai Marzi	1.1	500-15min	10.96	90.34	91.65		91.75	0.006561	1.64	7.96	16.24	0.57
Bosco ai Marzi	1.1	500-30min	11.42	90.34	91.66		91.77	0.006365	1.64	8.27	16.24	0.57
Bosco ai Marzi	1.1	200-15min	8.46	90.34	91.54	91.59	91.82	0.016469	2.44	3.92	8.84	0.90
Bosco ai Marzi	1.1	200-30min	9.09	90.34	91.57	91.62	91.85	0.016478	2.48	4.15	8.90	0.90
Bosco ai Marzi	1.1	100-15min	8.55	90.34	91.55	91.60	91.82	0.016433	2.44	3.96	8.85	0.90
Bosco ai Marzi	1.1	100-30min	7.55	90.34	91.50	91.56	91.77	0.016525	2.38	3.53	8.30	0.89
Bosco ai Marzi	1.1	30-15min	6.72	90.34	91.45	91.49	91.71	0.016580	2.33	3.17	7.54	0.89
Bosco ai Marzi	1.1	30-30min	6.49	90.34	91.44	91.47	91.70	0.016527	2.30	3.08	7.32	0.88
Bosco ai Marzi	1	500-15min	10.96	90.34	91.63	91.62	91.74	0.007304	1.70	7.69	16.24	0.60
Bosco ai Marzi	1	500-30min	11.42	90.34	91.65	91.62	91.76	0.007075	1.70	7.98	16.24	0.60
Bosco ai Marzi	1	200-15min	8.46	90.34	91.53	91.59	91.83	0.018068	2.53	3.77	8.77	0.94
Bosco ai Marzi	1	200-30min	9.09	90.34	91.55	91.62	91.86	0.018065	2.57	4.00	8.86	0.94
Bosco ai Marzi	1	100-15min	8.55	90.34	91.53	91.60	91.83	0.018044	2.54	3.81	8.81	0.94
Bosco ai Marzi	1	100-30min	7.55	90.34	91.48	91.55	91.77	0.018039	2.47	3.40	8.02	0.93
Bosco ai Marzi	1	30-15min	6.72	90.34	91.44	91.49	91.72	0.018093	2.40	3.05	7.25	0.92
Bosco ai Marzi	1	30-30min	6.48	90.34	91.42	91.47	91.70	0.018039	2.38	2.95	7.05	0.92

FOSSO "P. BOSCO AI MARZI" 30min









Reach	River Sta	Plan	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
Drove	5	500-15min	0.50	109.87	110.61		110.61	0.000157	0.16	4.75	34.37	0.08
Drove	5	200-15min	0.04	109.87	110.55		110.55	0.000004	0.02	2.83	29.68	0.01
Drove	5	100-15min	0.66	109.87	110.68		110.68	0.000085	0.13	7.29	42.96	0.06
Drove	5	30-15min	1.11	109.87	110.48	110.52	110.59	0.024276	1.52	0.85	15.94	0.93
Drove	4	500-15min	2.40	108.80	109.44	109.55	109.82	0.069882	2.80	1.01	9.25	1.61
Drove	4	200-15min	1.88	108.80	109.41	109.53	109.75	0.070324	2.61	0.76	5.88	1.58
Drove	4	100-15min	1.47	108.80	109.37	109.51	109.67	0.072437	2.45	0.60	2.44	1.57
Drove	4	30-15min	1.07	108.80	109.31	109.40	109.57	0.071441	2.27	0.47	2.10	1.53
Drove	3	500-15min	2.36	106.53	108.37		108.38	0.000582	0.49	4.82	4.83	0.16
Drove	3	200-15min	1.84	106.53	108.30		108.31	0.000439	0.41	4.49	4.83	0.14
Drove	3	100-15min	1.44	106.53	108.23		108.23	0.000336	0.35	4.15	4.83	0.12
Drove	3	30-15min	1.03	106.53	108.16		108.16	0.000222	0.27	3.83	4.83	0.10
Drove	2.5	Culvert										
Drove	2	500-15min	2.36	101.50	102.40		102.47	0.009929	1.15	2.05	4.24	0.53
Drove	2	200-15min	1.84	101.50	102.30		102.36	0.010561	1.13	1.64	3.67	0.54
Drove	2	100-15min	1.29	101.50	102.20		102.25	0.010145	1.00	1.29	3.38	0.52
Drove	2	30-15min	1.03	101.50	102.09		102.15	0.015578	1.09	0.95	3.07	0.62
Drove	1	500-15min	0.09	99.46	101.85	99.64	101.85	0.000000	0.01	16.24	10.25	0.00
Drove	1	200-15min	0.04	99.46	101.70	99.59	101.70	0.000000	0.00	14.71	10.10	0.00
Drove	1	100-15min	0.03	99.46	101.62	99.58	101.62	0.000000	0.00	13.90	10.02	0.00
Drove	1	30-15min	-0.06	99.46	101.22	99.61	101.22	0.000000	-0.01	9.98	9.62	0.00

FOSSO "P. IL CASOTTO" 15min

