

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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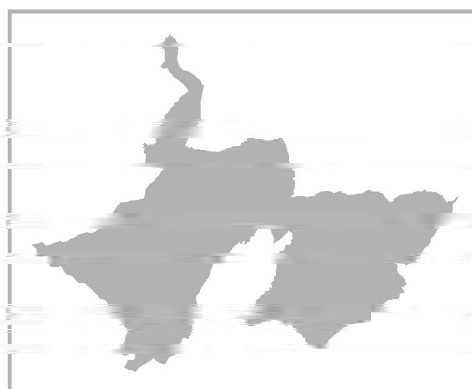
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ALLEGATO IDRAULICO
SCENARI STATO ATTUALE

IR 03

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(Tutte i risultati si riferiscono ai tempi di ritorno pari a 30, 100 e 200 anni)

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Reach	River Sta	Profile	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
POGGIB.-CERTALDO	357.3	Max WS	200-9-SA	693.87	84.05	91.60		92.55	0.004313	4.31	161.13	38.37	0.67
POGGIB.-CERTALDO	357.3	Max WS	100-9-SA	574.50	84.05	91.15		91.96	0.004146	3.99	143.84	37.70	0.65
POGGIB.-CERTALDO	357.3	Max WS	30-9-SA	399.22	84.05	90.14		90.84	0.004604	3.72	107.43	34.13	0.67
POGGIB.-CERTALDO	357.2	Max WS	200-9-SA	693.87	84.05	91.58		92.53	0.004386	4.33	160.22	38.34	0.68
POGGIB.-CERTALDO	357.2	Max WS	100-9-SA	574.03	84.05	91.13		91.95	0.004210	4.01	143.02	37.66	0.66
POGGIB.-CERTALDO	357.2	Max WS	30-9-SA	399.16	84.05	90.11		90.82	0.004709	3.75	106.58	34.04	0.68
POGGIB.-CERTALDO	357	Max WS	200-9-SA	693.83	84.25	91.83		92.00	0.000747	1.82	380.76	94.86	0.29
POGGIB.-CERTALDO	357	Max WS	100-9-SA	574.41	84.25	91.30		91.45	0.000627	1.71	335.12	88.88	0.27
POGGIB.-CERTALDO	357	Max WS	30-9-SA	399.20	84.25	90.16		90.29	0.000788	1.63	245.53	76.19	0.29
POGGIB.-CERTALDO	356	Max WS	200-9-SA	693.80	84.00	91.76		91.94	0.000724	1.85	375.94	89.32	0.29
POGGIB.-CERTALDO	356	Max WS	100-9-SA	574.30	84.00	91.24		91.39	0.000751	1.74	329.36	87.88	0.29
POGGIB.-CERTALDO	356	Max WS	30-9-SA	399.18	84.00	90.06		90.22	0.000864	1.74	230.02	68.73	0.30
POGGIB.-CERTALDO	355	Max WS	200-9-SA	693.75	83.36	91.58		91.78	0.000780	1.98	349.98	79.16	0.30
POGGIB.-CERTALDO	355	Max WS	100-9-SA	574.24	83.36	91.06		91.23	0.000766	1.86	309.24	76.31	0.29
POGGIB.-CERTALDO	355	Max WS	30-9-SA	399.15	83.36	89.87		90.03	0.000851	1.77	225.41	64.62	0.30
POGGIB.-CERTALDO	354	Max WS	200-9-SA	693.75	83.34	91.42		91.73	0.001249	2.45	282.77	65.82	0.38
POGGIB.-CERTALDO	354	Max WS	100-9-SA	574.14	83.34	90.92		91.18	0.001204	2.29	250.28	62.70	0.37
POGGIB.-CERTALDO	354	Max WS	30-9-SA	399.13	83.34	89.72		89.97	0.001485	2.22	179.60	55.30	0.39
POGGIB.-CERTALDO	353.9	Max WS	200-9-SA	693.75	83.34	91.40	88.87	91.71	0.001263	2.46	281.61	65.72	0.38
POGGIB.-CERTALDO	353.9	Max WS	100-9-SA	574.16	83.34	90.90	88.45	91.17	0.001218	2.30	249.21	62.59	0.37
POGGIB.-CERTALDO	353.9	Max WS	30-9-SA	399.12	83.34	89.70	87.65	89.95	0.001513	2.24	178.42	55.17	0.40
POGGIB.-CERTALDO	353.5			Bridge									
POGGIB.-CERTALDO	353.1	Max WS	200-9-SA	693.74	83.34	91.37		91.68	0.001294	2.48	279.23	65.49	0.38
POGGIB.-CERTALDO	353.1	Max WS	100-9-SA	574.15	83.34	90.86		91.14	0.001248	2.32	247.09	62.39	0.37
POGGIB.-CERTALDO	353.1	Max WS	30-9-SA	399.12	83.34	89.66		89.92	0.001568	2.27	176.19	54.92	0.40
POGGIB.-CERTALDO	353	Max WS	200-9-SA	693.74	82.70	91.40		91.67	0.000898	2.29	302.71	59.54	0.32
POGGIB.-CERTALDO	353	Max WS	100-9-SA	574.15	82.70	90.91		91.13	0.000821	2.10	273.57	57.50	0.31
POGGIB.-CERTALDO	353	Max WS	30-9-SA	399.13	82.70	89.72		89.91	0.000872	1.92	208.17	52.65	0.31
POGGIB.-CERTALDO	352	Max WS	200-9-SA	693.74	82.60	91.42		91.61	0.000651	1.93	360.04	72.17	0.28
POGGIB.-CERTALDO	352	Max WS	100-9-SA	574.17	82.60	90.92		91.08	0.000615	1.77	323.76	70.62	0.26
POGGIB.-CERTALDO	352	Max WS	30-9-SA	399.13	82.60	89.71		89.85	0.000697	1.66	241.04	64.24	0.27
POGGIB.-CERTALDO	351	Max WS	200-9-SA	693.73	81.90	91.04		91.42	0.001373	2.73	254.50	51.62	0.39
POGGIB.-CERTALDO	351	Max WS	100-9-SA	574.15	81.90	90.58		90.89	0.001256	2.49	231.03	50.56	0.37
POGGIB.-CERTALDO	351	Max WS	30-9-SA	399.13	81.90	89.40		89.67	0.001110	2.29	174.59	39.27	0.35
POGGIB.-CERTALDO	350.99			Lat Struct									
POGGIB.-CERTALDO	350.66	Max WS	200-9-SA	685.03	82.08	90.82		91.27	0.001598	2.98	229.90	44.19	0.42
POGGIB.-CERTALDO	350.66	Max WS	100-9-SA	570.38	82.08	90.39		90.76	0.001427	2.70	210.88	43.45	0.39
POGGIB.-CERTALDO	350.66	Max WS	30-9-SA	399.12	82.08	89.22		89.53	0.001542	2.48	161.20	41.18	0.40
POGGIB.-CERTALDO	350.33	Max WS	200-9-SA	627.47	81.63	90.89		91.20	0.001282	2.49	251.63	52.70	0.36
POGGIB.-CERTALDO	350.33	Max WS	100-9-SA	533.15	81.63	90.39		90.68	0.001289	2.36	225.70	51.95	0.36
POGGIB.-CERTALDO	350.33	Max WS	30-9-SA	399.12	81.63	89.06		89.38	0.001595	2.50	159.85	39.36	0.40
POGGIB.-CERTALDO	350	Max WS	200-9-SA	586.69	81.70	90.87		91.17	0.001120	2.42	242.62	48.84	0.35
POGGIB.-CERTALDO	350	Max WS	100-9-SA	512.16	81.70	90.34		90.63	0.001178	2.36	216.96	47.43	0.35
POGGIB.-CERTALDO	350	Max WS	30-9-SA	399.11	81.70	88.93		89.28	0.001990	2.61	152.66	43.17	0.44
POGGIB.-CERTALDO	349.99			Lat Struct									
POGGIB.-CERTALDO	349	Max WS	200-9-SA	813.25	81.40	90.44		90.86	0.001320	2.86	284.67	51.05	0.39
POGGIB.-CERTALDO	349	Max WS	100-9-SA	700.10	81.40	89.98		90.34	0.001240	2.68	261.10	49.43	0.37
POGGIB.-CERTALDO	349	Max WS	30-9-SA	507.91	81.40	88.67		89.00	0.001307	2.54	199.70	43.08	0.38
POGGIB.-CERTALDO	348.99			Lat Struct									
POGGIB.-CERTALDO	348.9	Max WS	200-9-SA	810.43	81.40	90.44		90.85	0.001316	2.85	284.21	51.02	0.39
POGGIB.-CERTALDO	348.9	Max WS	100-9-SA	701.26	81.40	89.96		90.33	0.001255	2.69	260.26	49.37	0.37
POGGIB.-CERTALDO	348.9	Max WS	30-9-SA	507.91	81.40	88.66		88.99	0.001314	2.55	199.04	42.88	0.38
POGGIB.-CERTALDO	348.5	Max WS	200-9-SA	893.76	81.24	89.62		90.25	0.003331	3.52	253.64	68.01	0.58
POGGIB.-CERTALDO	348.5	Max WS	100-9-SA	737.73	81.24	89.33		89.83	0.002932	3.15	233.98	67.69	0.54
POGGIB.-CERTALDO	348.5	Max WS	30-9-SA	507.05	81.24	88.14		88.63	0.002037	3.09	164.12	51.97	0.46
POGGIB.-CERTALDO	348.48			Lat Struct									
POGGIB.-CERTALDO	348	Max WS	200-9-SA	875.41	80.83	89.14		89.86	0.005336	3.77	232.49	82.46	0.72
POGGIB.-CERTALDO	348	Max WS	100-9-SA	730.83	80.83	88.84		89.47	0.005068	3.52	207.83	78.67	0.69
POGGIB.-CERTALDO	348	Max WS	30-9-SA	506.40	80.83	87.91		88.41	0.002459	3.16	160.48	39.39	0.50
POGGIB.-CERTALDO	347.5	Max WS	200-9-SA	864.84	79.61	89.39		89.54	0.000981	1.76	490.68	150.50	0.31
POGGIB.-CERTALDO	347.5	Max WS	100-9-SA	729.99	79.61	89.01		89.15	0.001045	1.68	434.16	150.49	0.32
POGGIB.-CERTALDO	347.5	Max WS	30-9-SA	506.86	79.61	88.09		88.24	0.001129	1.68	302.05	127.96	0.32
POGGIB.-CERTALDO	347.49			Lat Struct									
POGGIB.-CERTALDO	347	Max WS	200-9-SA	791.86	81.20	88.92		89.29	0.001666	2.69	294.77	72.42	0.43
POGGIB.-CERTALDO	347	Max WS	100-9-SA	700.33	81.20	88.55		88.90	0.001768	2.61	267.95	72.42	0.43
POGGIB.-CERTALDO	347	Max WS	30-9-SA	505.87	81.20	87.71		88.01	0.001701	2.42	208.99	62.33	0.42
POGGIB.-CERTALDO	346.5	Max WS	200-9-SA	676.93	79.50	89.00		89.04	0.000173	0.93	728.87	165.56	0.14
POGGIB.-CERTALDO	346.5	Max WS	100-9-SA	612.28	79.50	88.62		88.67	0.000189	0.92	667.51	165.56	0.15
POGGIB.-CERTALDO	346.5	Max WS	30-9-SA	494.44	79.50	87.77		87.81	0.000270	0.94	525.40	165.56	0.17
POGGIB.-CERTALDO	346	Max WS	200-9-SA	624.48	80.80	88.38		89.14	0.002755	3.87	161.45	27.07	0.51
POGGIB.-CERTALDO	346	Max WS	100-9-SA	555.02	80.80	88.08		88.74	0.002530	3.62	153.23	26.97	0.49
POGGIB.-CERTALDO	346	Max WS	30-9-SA	480.32	80.80	87.10		87.83	0.003262	3.78	127.18	26.63	0.55
POGGIB.-CERTALDO	345.98			Lat Struct									
POGGIB.-CERTALDO	345.5	Max WS	200-9-SA	640.85	79.47	88.65		88.78	0.000632	1.60	401.07	105.71	0.26
POGGIB.-CERTALDO	345.5	Max WS	100-9-SA	565.19	79.47	88.30		88.42	0.000557	1.54	367.08	92.73	0.25
POGGIB.-CERTALDO	345.5	Max WS	30-9-SA	499.91	79.47	87.27		87.43	0.000895	1.79	279.26	80.76	0.31

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	345	Max WS	200-9-SA	635.36	79.80	88.44		88.61	0.001401	1.82	348.65	140.75	0.37
POGGIB.-CERTALDO	345	Max WS	100-9-SA	599.91	79.80	87.99		88.21	0.001856	2.09	287.70	116.90	0.42
POGGIB.-CERTALDO	345	Max WS	30-9-SA	501.29	79.80	86.92		87.23	0.001595	2.47	202.68	55.59	0.41
POGGIB.-CERTALDO	344.5	Max WS	200-9-SA	697.36	79.03	87.99		88.35	0.001540	2.66	261.74	58.47	0.40
POGGIB.-CERTALDO	344.5	Max WS	100-9-SA	632.26	79.03	87.55		87.92	0.001731	2.68	236.14	57.55	0.42
POGGIB.-CERTALDO	344.5	Max WS	30-9-SA	501.62	79.03	86.58		86.96	0.002030	2.73	183.54	48.53	0.45
POGGIB.-CERTALDO	344	Max WS	200-9-SA	739.30	79.80	87.55		88.16	0.003050	3.48	212.65	55.66	0.57
POGGIB.-CERTALDO	344	Max WS	100-9-SA	658.51	79.80	87.10		87.72	0.003476	3.50	188.18	53.93	0.60
POGGIB.-CERTALDO	344	Max WS	30-9-SA	502.05	79.80	86.05		86.78	0.004099	3.81	131.86	48.07	0.64
POGGIB.-CERTALDO	343.98			Lat Struct									
POGGIB.-CERTALDO	343	Max WS	200-9-SA	813.89	77.80	86.88		87.41	0.002214	3.24	251.14	56.32	0.49
POGGIB.-CERTALDO	343	Max WS	100-9-SA	697.02	77.80	86.52		86.98	0.002075	3.01	231.44	55.50	0.47
POGGIB.-CERTALDO	343	Max WS	30-9-SA	502.04	77.80	85.68		86.05	0.001837	2.69	186.88	48.81	0.44
POGGIB.-CERTALDO	342	Max WS	200-9-SA	755.96	77.80	86.41		86.86	0.001792	2.97	254.18	56.10	0.45
POGGIB.-CERTALDO	342	Max WS	100-9-SA	662.45	77.80	86.01		86.43	0.001797	2.85	232.13	54.96	0.44
POGGIB.-CERTALDO	342	Max WS	30-9-SA	501.91	77.80	85.02		85.42	0.002186	2.80	179.40	51.12	0.48
POGGIB.-CERTALDO	341.99			Lat Struct									
POGGIB.-CERTALDO	341.6	Max WS	200-9-SA	864.08	77.00	85.86		86.28	0.002103	2.86	302.12	77.53	0.46
POGGIB.-CERTALDO	341.6	Max WS	100-9-SA	720.03	77.00	85.61		85.94	0.001796	2.55	282.60	77.53	0.43
POGGIB.-CERTALDO	341.6	Max WS	30-9-SA	501.87	77.00	84.82		85.06	0.000862	2.16	232.68	47.28	0.31
POGGIB.-CERTALDO	341.5	Max WS	200-9-SA	864.09	77.00	85.83		86.26	0.001778	2.90	297.93	66.58	0.44
POGGIB.-CERTALDO	341.5	Max WS	100-9-SA	720.00	77.00	85.59		85.92	0.001466	2.55	282.15	66.47	0.40
POGGIB.-CERTALDO	341.5	Max WS	30-9-SA	501.87	77.00	84.82		85.05	0.000820	2.12	237.24	46.71	0.30
POGGIB.-CERTALDO	341.4	Max WS	200-9-SA	864.04	77.00	85.79		86.22	0.002427	2.94	294.32	80.64	0.49
POGGIB.-CERTALDO	341.4	Max WS	100-9-SA	719.91	77.00	85.55		85.90	0.002071	2.62	275.10	80.18	0.45
POGGIB.-CERTALDO	341.4	Max WS	30-9-SA	501.87	77.00	84.78		85.03	0.000948	2.24	224.39	55.11	0.32
POGGIB.-CERTALDO	341.39			Lat Struct									
POGGIB.-CERTALDO	341.38			Lat Struct									
POGGIB.-CERTALDO	341	Max WS	200-9-SA	708.76	77.30	85.58		85.79	0.000738	2.01	352.70	71.69	0.29
POGGIB.-CERTALDO	341	Max WS	100-9-SA	620.79	77.30	85.31		85.49	0.000677	1.86	333.37	71.69	0.28
POGGIB.-CERTALDO	341	Max WS	30-9-SA	499.61	77.30	84.58		84.74	0.000757	1.78	280.86	71.69	0.29
POGGIB.-CERTALDO	340	Max WS	200-9-SA	688.15	77.70	85.57		85.70	0.000496	1.62	424.70	90.20	0.24
POGGIB.-CERTALDO	340	Max WS	100-9-SA	616.64	77.70	85.28		85.40	0.000487	1.55	398.86	90.20	0.23
POGGIB.-CERTALDO	340	Max WS	30-9-SA	499.92	77.70	84.53		84.65	0.000581	1.51	331.33	90.20	0.25
POGGIB.-CERTALDO	339.98			Lat Struct									
POGGIB.-CERTALDO	339	Max WS	200-9-SA	664.25	76.80	85.46		85.68	0.000866	2.09	323.23	123.09	0.31
POGGIB.-CERTALDO	339	Max WS	100-9-SA	602.51	76.80	85.17		85.38	0.000875	2.03	301.88	122.22	0.31
POGGIB.-CERTALDO	339	Max WS	30-9-SA	499.94	76.80	84.40		84.61	0.001083	2.06	246.74	118.85	0.34
POGGIB.-CERTALDO	338	Max WS	200-9-SA	716.47	75.80	83.97		84.70	0.003447	3.80	188.42	45.84	0.60
POGGIB.-CERTALDO	338	Max WS	100-9-SA	652.26	75.80	83.68		84.38	0.003521	3.72	175.30	44.99	0.60
POGGIB.-CERTALDO	338	Max WS	30-9-SA	499.54	75.80	83.13		83.68	0.003196	3.31	150.92	43.35	0.57
POGGIB.-CERTALDO	337.99			Lat Struct									
POGGIB.-CERTALDO	337.87			Lat Struct									
POGGIB.-CERTALDO	337	Max WS	200-9-SA	701.73	75.60	83.83		84.15	0.001395	2.49	281.43	68.32	0.39
POGGIB.-CERTALDO	337	Max WS	100-9-SA	650.54	75.60	83.45		83.78	0.001594	2.54	255.62	66.83	0.42
POGGIB.-CERTALDO	337	Max WS	30-9-SA	493.84	75.60	82.88		83.14	0.001482	2.26	218.20	64.93	0.39
POGGIB.-CERTALDO	336.98			Lat Struct									
POGGIB.-CERTALDO	336	Max WS	200-9-SA	696.95	75.60	83.57		83.89	0.001279	2.53	275.37	60.74	0.38
POGGIB.-CERTALDO	336	Max WS	100-9-SA	622.46	75.60	83.22		83.53	0.001300	2.45	254.50	60.21	0.38
POGGIB.-CERTALDO	336	Max WS	30-9-SA	478.52	75.60	82.66		82.90	0.001191	2.17	220.91	59.33	0.36
POGGIB.-CERTALDO	335	Max WS	200-9-SA	729.51	74.60	83.39		83.69	0.000989	2.40	303.97	56.46	0.33
POGGIB.-CERTALDO	335	Max WS	100-9-SA	633.48	74.60	83.10		83.35	0.000835	2.20	287.96	53.54	0.30
POGGIB.-CERTALDO	335	Max WS	30-9-SA	476.91	74.60	82.59		82.76	0.000570	1.82	261.96	48.36	0.25
POGGIB.-CERTALDO	334.99			Lat Struct									
POGGIB.-CERTALDO	334	Max WS	200-9-SA	734.31	74.40	82.78		83.19	0.002690	2.86	256.61	81.76	0.52
POGGIB.-CERTALDO	334	Max WS	100-9-SA	649.70	74.40	82.35		82.79	0.003303	2.92	222.18	80.28	0.56
POGGIB.-CERTALDO	334	Max WS	30-9-SA	487.66	74.40	81.50		82.00	0.005208	3.15	154.93	70.67	0.68
POGGIB.-CERTALDO	333.58			Lat Struct									
POGGIB.-CERTALDO	333.5	Max WS	200-9-SA	827.49	74.60	82.23		82.63	0.002108	2.81	294.99	83.33	0.48
POGGIB.-CERTALDO	333.5	Max WS	100-9-SA	695.30	74.60	81.86		82.21	0.002074	2.63	264.58	81.56	0.47
POGGIB.-CERTALDO	333.5	Max WS	30-9-SA	492.88	74.60	81.10		81.36	0.001052	2.23	221.33	66.36	0.34
POGGIB.-CERTALDO	333	Max WS	200-9-SA	828.17	74.49	82.04		82.44	0.001688	2.95	295.55	149.37	0.44
POGGIB.-CERTALDO	333	Max WS	100-9-SA	695.46	74.49	81.70		82.04	0.001417	2.75	273.18	144.94	0.40
POGGIB.-CERTALDO	333	Max WS	30-9-SA	492.88	74.49	81.00		81.25	0.001131	2.40	229.44	139.53	0.36
POGGIB.-CERTALDO	332.5	Max WS	200-9-SA	830.93	74.49	81.85		82.31	0.002377	3.03	277.39	146.25	0.45
POGGIB.-CERTALDO	332.5	Max WS	100-9-SA	696.98	74.49	81.56		81.93	0.001975	2.79	258.70	142.64	0.41
POGGIB.-CERTALDO	332.5	Max WS	30-9-SA	492.88	74.49	80.90		81.17	0.001537	2.43	218.81	137.56	0.36
POGGIB.-CERTALDO	332.49			Lat Struct									
POGGIB.-CERTALDO	332.25	Max WS	200-9-SA	830.93	74.29	81.66		82.10	0.001891	3.13	283.18	147.51	0.46
POGGIB.-CERTALDO	332.25	Max WS	100-9-SA	696.97	74.29	81.40		81.76	0.001518	2.84	266.72	144.17	0.42
POGGIB.-CERTALDO	332.25	Max WS	30-9-SA	492.88	74.29	80.78		81.04	0.001147	2.42	228.20	139.38	0.36
POGGIB.-CERTALDO	332	Max WS	200-9-SA	828.46	74.20	81.85		82.03	0.000797	1.89	437.86	109.72	0.30
POGGIB.-CERTALDO	332	Max WS	100-9-SA	696.59	74.20	81.55		81.70	0.000719	1.72	405.22	108.88	0.28
POGGIB.-CERTALDO	332	Max WS	30-9-SA	492.87	74.20	80.88		80.99	0.000512	1.45	339.81	91.23	0.24

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	331	Max WS	200-9-SA	814.53	73.50	81.73		81.95	0.000836	2.09	390.14	82.04	0.31
POGGIB.-CERTALDO	331	Max WS	100-9-SA	690.11	73.50	81.45		81.63	0.000727	1.88	367.41	82.04	0.28
POGGIB.-CERTALDO	331	Max WS	30-9-SA	492.80	73.50	80.81		80.94	0.000608	1.56	314.90	82.04	0.25
POGGIB.-CERTALDO	330.9	Max WS	200-9-SA	814.53	73.50	81.73	78.38	81.95	0.000838	2.09	389.87	82.04	0.31
POGGIB.-CERTALDO	330.9	Max WS	100-9-SA	690.12	73.50	81.45	77.97	81.63	0.000728	1.88	367.19	82.04	0.28
POGGIB.-CERTALDO	330.9	Max WS	30-9-SA	492.80	73.50	80.81	77.22	80.94	0.000609	1.57	314.75	82.04	0.26
POGGIB.-CERTALDO	330.5			Bridge									
POGGIB.-CERTALDO	330.1	Max WS	200-9-SA	814.53	73.50	81.67		81.90	0.000869	2.11	385.39	82.04	0.31
POGGIB.-CERTALDO	330.1	Max WS	100-9-SA	690.12	73.50	81.40		81.59	0.000752	1.90	363.49	82.04	0.29
POGGIB.-CERTALDO	330.1	Max WS	30-9-SA	492.80	73.50	80.78		80.90	0.000627	1.58	311.87	82.04	0.26
POGGIB.-CERTALDO	330.09			Lat Struct									
POGGIB.-CERTALDO	330	Max WS	200-9-SA	801.10	73.65	81.08		81.87	0.003106	3.95	202.80	40.57	0.56
POGGIB.-CERTALDO	330	Max WS	100-9-SA	682.98	73.65	80.95		81.56	0.002440	3.45	197.70	40.57	0.50
POGGIB.-CERTALDO	330	Max WS	30-9-SA	492.80	73.65	80.49		80.87	0.001724	2.75	178.99	40.57	0.42
POGGIB.-CERTALDO	329.98			Lat Struct									
POGGIB.-CERTALDO	329	Max WS	200-9-SA	795.11	72.60	81.35		81.78	0.001877	2.91	272.88	63.79	0.45
POGGIB.-CERTALDO	329	Max WS	100-9-SA	670.30	72.60	81.16		81.50	0.001537	2.57	260.92	63.79	0.41
POGGIB.-CERTALDO	329	Max WS	30-9-SA	485.27	72.60	80.59		80.83	0.001279	2.16	224.55	62.87	0.36
POGGIB.-CERTALDO	328	Max WS	200-9-SA	764.23	72.60	81.10		81.53	0.001909	2.91	262.82	63.17	0.46
POGGIB.-CERTALDO	328	Max WS	100-9-SA	670.87	72.60	80.89		81.26	0.001605	2.68	249.95	59.53	0.42
POGGIB.-CERTALDO	328	Max WS	30-9-SA	492.78	72.60	80.37		80.63	0.001308	2.25	219.01	58.92	0.37
POGGIB.-CERTALDO	327.99			Lat Struct									
POGGIB.-CERTALDO	327	Max WS	200-9-SA	757.93	72.60	80.94		81.46	0.002342	3.19	237.93	58.63	0.50
POGGIB.-CERTALDO	327	Max WS	100-9-SA	669.64	72.60	80.74		81.19	0.002140	2.96	226.38	58.63	0.48
POGGIB.-CERTALDO	327	Max WS	30-9-SA	493.25	72.60	80.26		80.57	0.001721	2.49	198.12	56.74	0.43
POGGIB.-CERTALDO	326.98			Lat Struct									
POGGIB.-CERTALDO	326	Max WS	200-9-SA	744.25	72.50	80.41		80.89	0.002683	3.07	242.58	71.11	0.53
POGGIB.-CERTALDO	326	Max WS	100-9-SA	664.85	72.50	80.23		80.66	0.002509	2.89	230.22	70.42	0.51
POGGIB.-CERTALDO	326	Max WS	30-9-SA	493.27	72.50	79.84		80.14	0.002034	2.43	202.66	68.72	0.45
POGGIB.-CERTALDO	325.99			Lat Struct									
POGGIB.-CERTALDO	325.58			Lat Struct									
POGGIB.-CERTALDO	325	Max WS	200-9-SA	679.82	72.20	80.01		80.29	0.001232	2.34	290.00	69.93	0.37
POGGIB.-CERTALDO	325	Max WS	100-9-SA	618.97	72.20	79.84		80.09	0.001168	2.23	278.04	69.93	0.36
POGGIB.-CERTALDO	325	Max WS	30-9-SA	459.62	72.20	79.53		79.70	0.000834	1.79	256.38	69.89	0.30
POGGIB.-CERTALDO	324	Max WS	200-9-SA	494.29	72.30	79.87		80.23	0.001835	2.66	185.75	49.81	0.44
POGGIB.-CERTALDO	324	Max WS	100-9-SA	430.45	72.30	79.77		80.06	0.001492	2.38	180.92	49.17	0.40
POGGIB.-CERTALDO	324	Max WS	30-9-SA	314.41	72.30	79.49		79.67	0.000969	1.88	167.47	46.94	0.32
POGGIB.-CERTALDO	323	Max WS	200-9-SA	322.89	72.35	79.96		80.04	0.000342	1.24	260.96	62.25	0.19
POGGIB.-CERTALDO	323	Max WS	100-9-SA	290.77	72.35	79.82		79.89	0.000308	1.15	252.44	62.25	0.18
POGGIB.-CERTALDO	323	Max WS	30-9-SA	249.28	72.35	79.46		79.52	0.000304	1.08	229.95	62.25	0.18
POGGIB.-CERTALDO	322	Max WS	200-9-SA	546.75	72.32	79.32		79.52	0.001526	1.98	275.79	104.72	0.39
POGGIB.-CERTALDO	322	Max WS	100-9-SA	530.00	72.32	79.04		79.28	0.001887	2.14	247.97	98.76	0.43
POGGIB.-CERTALDO	322	Max WS	30-9-SA	452.39	72.32	78.67		78.90	0.002023	2.13	212.76	89.93	0.44
POGGIB.-CERTALDO	321.98			Lat Struct									
POGGIB.-CERTALDO	321	Max WS	200-9-SA	559.97	72.30	78.88		79.18	0.001613	2.41	232.03	66.94	0.41
POGGIB.-CERTALDO	321	Max WS	100-9-SA	525.45	72.30	78.56		78.87	0.001935	2.50	210.23	66.15	0.45
POGGIB.-CERTALDO	321	Max WS	30-9-SA	452.39	72.30	78.16		78.47	0.002176	2.46	184.19	65.20	0.47
POGGIB.-CERTALDO	320.99			Lat Struct									
POGGIB.-CERTALDO	320	Max WS	200-9-SA	591.22	71.80	78.21		78.69	0.003187	3.07	192.78	64.62	0.57
POGGIB.-CERTALDO	320	Max WS	100-9-SA	516.39	71.80	78.00		78.42	0.003058	2.88	179.28	64.14	0.55
POGGIB.-CERTALDO	320	Max WS	30-9-SA	406.65	71.80	77.80		78.10	0.002412	2.45	166.17	63.67	0.48
POGGIB.-CERTALDO	319.99			Lat Struct									
POGGIB.-CERTALDO	319.98			Lat Struct									
POGGIB.-CERTALDO	319	Max WS	200-9-SA	416.06	71.60	77.74		78.09	0.001489	2.64	157.80	34.45	0.39
POGGIB.-CERTALDO	319	Max WS	100-9-SA	399.77	71.60	77.31		77.71	0.001856	2.80	142.94	34.45	0.44
POGGIB.-CERTALDO	319	Max WS	30-9-SA	382.27	71.60	76.62		77.14	0.002969	3.21	119.09	34.45	0.55
POGGIB.-CERTALDO	318.58			Lat Struct									
POGGIB.-CERTALDO	318	Max WS	200-9-SA	630.93	71.20	77.03		77.38	0.001422	2.62	240.71	53.78	0.40
POGGIB.-CERTALDO	318	Max WS	100-9-SA	528.12	71.20	76.84		77.10	0.001047	2.29	230.65	50.13	0.34
POGGIB.-CERTALDO	318	Max WS	30-9-SA	397.36	71.20	76.39		76.57	0.000809	1.91	208.23	49.53	0.30
POGGIB.-CERTALDO	317.6	Max WS	200-9-SA	637.14	71.20	77.08		77.36	0.001043	2.33	273.16	56.99	0.34
POGGIB.-CERTALDO	317.6	Max WS	100-9-SA	532.92	71.20	76.88		77.09	0.000836	2.04	261.58	56.99	0.30
POGGIB.-CERTALDO	317.6	Max WS	30-9-SA	399.40	71.20	76.42		76.56	0.000655	1.70	235.29	56.99	0.27
POGGIB.-CERTALDO	317.56	Max WS	200-9-SA	645.44	71.20	77.03		77.33	0.001271	2.41	267.73	56.99	0.36
POGGIB.-CERTALDO	317.56	Max WS	100-9-SA	539.58	71.20	76.84		77.07	0.001012	2.10	256.87	56.99	0.32
POGGIB.-CERTALDO	317.56	Max WS	30-9-SA	404.65	71.20	76.39		76.55	0.000765	1.75	231.49	55.99	0.27
POGGIB.-CERTALDO	317.54	Max WS	200-9-SA	646.23	71.20	77.01		77.31	0.001294	2.43	266.43	56.99	0.36
POGGIB.-CERTALDO	317.54	Max WS	100-9-SA	540.14	71.20	76.82		77.05	0.001026	2.11	255.90	56.99	0.32
POGGIB.-CERTALDO	317.54	Max WS	30-9-SA	404.87	71.20	76.38		76.54	0.000773	1.75	230.81	55.99	0.28
POGGIB.-CERTALDO	317.5	Max WS	200-9-SA	646.23	71.20	77.01		77.30	0.001161	2.42	267.55	58.28	0.36
POGGIB.-CERTALDO	317.5	Max WS	100-9-SA	540.14	71.20	76.82		77.05	0.000923	2.10	256.75	58.28	0.32
POGGIB.-CERTALDO	317.5	Max WS	30-9-SA	404.87	71.20	76.38		76.53	0.000721	1.75	230.78	57.77	0.28
POGGIB.-CERTALDO	317.49			Lat Struct									

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	317.48			Lat Struct									
POGGIB.-CERTALDO	317.4	Max WS	200-9-SA	632.79	71.20	77.02		77.30	0.001060	2.33	271.92	58.85	0.35
POGGIB.-CERTALDO	317.4	Max WS	100-9-SA	532.79	71.20	76.83		77.04	0.000862	2.05	260.31	58.85	0.31
POGGIB.-CERTALDO	317.4	Max WS	30-9-SA	404.62	71.20	76.37		76.52	0.000696	1.73	233.42	58.33	0.28
POGGIB.-CERTALDO	317	Max WS	200-9-SA	584.02	71.06	76.38		77.04	0.003820	3.60	162.17	48.92	0.63
POGGIB.-CERTALDO	317	Max WS	100-9-SA	516.02	71.06	76.20		76.78	0.003567	3.37	153.07	48.65	0.61
POGGIB.-CERTALDO	317	Max WS	30-9-SA	404.58	71.06	75.80		76.27	0.003262	3.01	134.21	47.38	0.57
POGGIB.-CERTALDO	316	Max WS	200-9-SA	567.70	71.22	76.53	74.98	76.91	0.001955	2.71	209.72	59.08	0.46
POGGIB.-CERTALDO	316	Max WS	100-9-SA	511.42	71.22	76.27	74.82	76.63	0.002024	2.63	194.26	59.05	0.46
POGGIB.-CERTALDO	316	Max WS	30-9-SA	404.58	71.22	75.83	74.50	76.12	0.001963	2.41	168.22	57.58	0.45
POGGIB.-CERTALDO	315.5			Int Struct									
POGGIB.-CERTALDO	315	Max WS	200-9-SA	567.14	67.50	76.04		76.08	0.000096	0.88	645.38	97.21	0.11
POGGIB.-CERTALDO	315	Max WS	100-9-SA	511.13	67.50	75.64		75.67	0.000095	0.84	606.39	97.21	0.11
POGGIB.-CERTALDO	315	Max WS	30-9-SA	404.40	67.50	74.91		74.94	0.000087	0.75	535.78	96.51	0.10
POGGIB.-CERTALDO	314.99			Lat Struct									
POGGIB.-CERTALDO	314.98			Lat Struct									
POGGIB.-CERTALDO	314.59			Lat Struct									
POGGIB.-CERTALDO	314	Max WS	200-9-SA	554.24	67.40	75.96		76.07	0.000423	1.48	375.20	81.97	0.22
POGGIB.-CERTALDO	314	Max WS	100-9-SA	497.01	67.40	75.56		75.67	0.000453	1.45	342.52	81.31	0.23
POGGIB.-CERTALDO	314	Max WS	30-9-SA	401.50	67.40	74.84		74.93	0.000374	1.38	290.13	73.26	0.21
POGGIB.-CERTALDO	313	Max WS	200-9-SA	554.10	67.30	75.88		76.06	0.000800	1.88	294.15	69.98	0.29
POGGIB.-CERTALDO	313	Max WS	100-9-SA	496.97	67.30	75.47		75.65	0.000884	1.87	266.06	69.61	0.30
POGGIB.-CERTALDO	313	Max WS	30-9-SA	401.46	67.30	74.74		74.92	0.001122	1.86	215.37	68.18	0.33
POGGIB.-CERTALDO	312.9	Max WS	200-9-SA	554.10	67.30	75.87	71.92	76.06	0.000801	1.88	294.02	69.98	0.29
POGGIB.-CERTALDO	312.9	Max WS	100-9-SA	496.96	67.30	75.47	71.68	75.65	0.000886	1.87	265.91	69.61	0.31
POGGIB.-CERTALDO	312.9	Max WS	30-9-SA	401.46	67.30	74.74	71.26	74.91	0.001124	1.87	215.21	68.17	0.34
POGGIB.-CERTALDO	312.5			Bridge									
POGGIB.-CERTALDO	312.1	Max WS	200-9-SA	554.05	67.30	75.84		76.04	0.000644	2.04	291.94	58.21	0.26
POGGIB.-CERTALDO	312.1	Max WS	100-9-SA	496.96	67.30	75.44		75.63	0.000659	1.99	268.78	58.21	0.26
POGGIB.-CERTALDO	312.1	Max WS	30-9-SA	401.47	67.30	74.72		74.89	0.000695	1.89	226.46	57.76	0.27
POGGIB.-CERTALDO	312	Max WS	200-9-SA	554.09	67.30	75.85		76.04	0.000697	1.89	292.68	58.21	0.27
POGGIB.-CERTALDO	312	Max WS	100-9-SA	496.97	67.30	75.46		75.63	0.000726	1.84	269.47	58.21	0.27
POGGIB.-CERTALDO	312	Max WS	30-9-SA	401.47	67.30	74.73		74.89	0.000810	1.77	227.11	57.77	0.28
POGGIB.-CERTALDO	311.99			Lat Struct									
POGGIB.-CERTALDO	311.98			Lat Struct									
POGGIB.-CERTALDO	311	Max WS	200-9-SA	541.93	67.30	75.64		76.02	0.001498	2.73	198.63	42.98	0.41
POGGIB.-CERTALDO	311	Max WS	100-9-SA	496.02	67.30	75.21		75.60	0.001579	2.74	180.71	40.49	0.41
POGGIB.-CERTALDO	311	Max WS	30-9-SA	401.40	67.30	74.50		74.85	0.001637	2.63	152.80	37.64	0.42
POGGIB.-CERTALDO	310.98			Lat Struct									
POGGIB.-CERTALDO	310.19			Lat Struct									
POGGIB.-CERTALDO	310	Max WS	200-9-SA	610.20	66.10	75.23		75.48	0.000890	2.21	275.69	54.04	0.31
POGGIB.-CERTALDO	310	Max WS	100-9-SA	545.60	66.10	74.82		75.06	0.000924	2.15	253.50	54.04	0.32
POGGIB.-CERTALDO	310	Max WS	30-9-SA	405.00	66.10	74.22		74.39	0.000784	1.83	220.94	54.04	0.29
POGGIB.-CERTALDO	309.99			Lat Struct									
POGGIB.-CERTALDO	309.28			Lat Struct									
POGGIB.-CERTALDO	309	Max WS	200-9-SA	704.18	65.20	74.45		74.87	0.001830	2.84	247.81	59.51	0.44
POGGIB.-CERTALDO	309	Max WS	100-9-SA	616.42	65.20	74.11		74.48	0.001753	2.71	227.62	57.04	0.43
POGGIB.-CERTALDO	309	Max WS	30-9-SA	467.93	65.20	73.66		73.93	0.001367	2.31	202.81	53.84	0.38
POGGIB.-CERTALDO	308.98			Lat Struct									
POGGIB.-CERTALDO	308	Max WS	200-9-SA	573.68	65.00	74.33		74.54	0.000965	2.03	283.24	70.50	0.32
POGGIB.-CERTALDO	308	Max WS	100-9-SA	513.78	65.00	73.92		74.13	0.001060	2.02	254.90	68.92	0.33
POGGIB.-CERTALDO	308	Max WS	30-9-SA	444.30	65.00	73.30		73.52	0.001365	2.09	212.86	66.50	0.37
POGGIB.-CERTALDO	307	Max WS	200-9-SA	437.30	64.00	74.31		74.40	0.000358	1.32	330.39	72.01	0.20
POGGIB.-CERTALDO	307	Max WS	100-9-SA	438.97	64.00	73.84		73.95	0.000512	1.48	295.93	72.01	0.23
POGGIB.-CERTALDO	307	Max WS	30-9-SA	438.87	64.00	73.08		73.25	0.000977	1.81	241.89	72.01	0.32
POGGIB.-CERTALDO	306.98			Lat Struct									
POGGIB.-CERTALDO	306.58			Lat Struct									
POGGIB.-CERTALDO	306	Max WS	200-9-SA	406.33	63.80	74.26		74.38	0.000425	1.51	269.84	52.14	0.21
POGGIB.-CERTALDO	306	Max WS	100-9-SA	427.98	63.80	73.75		73.91	0.000652	1.76	243.11	52.14	0.26
POGGIB.-CERTALDO	306	Max WS	30-9-SA	438.86	63.80	72.96		73.20	0.001229	2.17	201.91	52.14	0.35
POGGIB.-CERTALDO	305.98			Lat Struct									
POGGIB.-CERTALDO	305	Max WS	200-9-SA	432.85	64.00	73.98		74.20	0.000778	2.06	210.57	38.44	0.28
POGGIB.-CERTALDO	305	Max WS	100-9-SA	452.21	64.00	73.39		73.68	0.001200	2.41	187.83	38.44	0.35
POGGIB.-CERTALDO	305	Max WS	30-9-SA	438.53	64.00	72.54		72.94	0.001678	2.78	157.67	33.66	0.41
POGGIB.-CERTALDO	304.98			Lat Struct									
POGGIB.-CERTALDO	304.97			Lat Struct									
POGGIB.-CERTALDO	304.9	Max WS	200-9-SA	493.31	63.74	73.67		73.96	0.001038	2.36	208.66	38.44	0.32
POGGIB.-CERTALDO	304.9	Max WS	100-9-SA	470.57	63.74	73.15		73.47	0.001283	2.49	188.63	38.44	0.36
POGGIB.-CERTALDO	304.9	Max WS	30-9-SA	436.93	63.74	72.30		72.69	0.001644	2.76	158.40	33.70	0.41
POGGIB.-CERTALDO	304	Max WS	200-9-SA	633.31	63.40	73.51		73.69	0.000714	1.88	336.06	102.97	0.28
POGGIB.-CERTALDO	304	Max WS	100-9-SA	549.80	63.40	73.07		73.24	0.000725	1.81	303.85	92.68	0.28

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	304	Max WS	30-9-SA	444.63	63.40	72.33		72.49	0.000834	1.77	251.42	75.36	0.30
POGGIB.-CERTALDO	303.7	Max WS	200-9-SA	776.88	63.80	72.90	70.32	73.42	0.001723	3.18	244.25	46.14	0.44
POGGIB.-CERTALDO	303.7	Max WS	100-9-SA	657.75	63.80	72.60	69.87	73.01	0.001483	2.86	230.11	46.14	0.41
POGGIB.-CERTALDO	303.7	Max WS	30-9-SA	469.76	63.80	72.09	69.05	72.36	0.001050	2.27	206.91	46.14	0.34
POGGIB.-CERTALDO	303.65			Bridge									
POGGIB.-CERTALDO	303.6	Max WS	200-9-SA	776.21	63.80	72.88		73.40	0.001745	3.19	243.14	46.14	0.44
POGGIB.-CERTALDO	303.6	Max WS	100-9-SA	657.75	63.80	72.58		73.00	0.001502	2.87	229.18	46.14	0.41
POGGIB.-CERTALDO	303.6	Max WS	30-9-SA	469.76	63.80	72.08		72.35	0.001059	2.28	206.29	46.14	0.34
POGGIB.-CERTALDO	303.59			Lat Struct									
POGGIB.-CERTALDO	303.58			Lat Struct									
POGGIB.-CERTALDO	303	Max WS	200-9-SA	712.90	63.80	72.66		73.16	0.001794	3.13	227.60	46.14	0.45
POGGIB.-CERTALDO	303	Max WS	100-9-SA	620.86	63.80	72.32		72.76	0.001667	2.93	212.17	45.42	0.43
POGGIB.-CERTALDO	303	Max WS	30-9-SA	467.68	63.80	71.83		72.14	0.001287	2.46	190.29	43.96	0.38
POGGIB.-CERTALDO	302.58			Lat Struct									
POGGIB.-CERTALDO	302	Max WS	200-9-SA	650.82	63.00	72.60		72.83	0.001018	2.13	305.46	72.24	0.33
POGGIB.-CERTALDO	302	Max WS	100-9-SA	559.67	63.00	72.26		72.46	0.000986	1.99	280.75	72.24	0.32
POGGIB.-CERTALDO	302	Max WS	30-9-SA	439.16	63.00	71.70		71.87	0.000998	1.83	240.48	72.24	0.32
POGGIB.-CERTALDO	301.99			Lat Struct									
POGGIB.-CERTALDO	301	Max WS	200-9-SA	496.86	63.00	72.30		72.59	0.000967	2.41	206.29	35.78	0.32
POGGIB.-CERTALDO	301	Max WS	100-9-SA	456.18	63.00	71.91		72.19	0.001004	2.37	192.33	35.78	0.33
POGGIB.-CERTALDO	301	Max WS	30-9-SA	434.46	63.00	71.09		71.45	0.001500	2.67	162.96	35.78	0.40
POGGIB.-CERTALDO	300.98			Lat Struct									
POGGIB.-CERTALDO	300.29			Lat Struct									
POGGIB.-CERTALDO	300	Max WS	200-9-SA	524.65	62.70	71.87		72.23	0.001364	2.64	198.88	40.80	0.38
POGGIB.-CERTALDO	300	Max WS	100-9-SA	502.29	62.70	71.33		71.74	0.001759	2.84	177.08	39.94	0.43
POGGIB.-CERTALDO	300	Max WS	30-9-SA	449.76	62.70	70.34		70.87	0.002537	3.22	139.64	34.30	0.51
POGGIB.-CERTALDO	299.5	Max WS	200-9-SA	634.31	61.57	71.85		71.95	0.000292	1.41	448.96	77.86	0.19
POGGIB.-CERTALDO	299.5	Max WS	100-9-SA	560.86	61.57	71.35		71.44	0.000305	1.37	409.47	77.86	0.19
POGGIB.-CERTALDO	299.5	Max WS	30-9-SA	445.94	61.57	70.41		70.49	0.000336	1.32	338.02	73.79	0.20
POGGIB.-CERTALDO	299	Max WS	200-9-SA	768.22	61.30	71.11		71.63	0.002545	3.20	239.81	59.47	0.51
POGGIB.-CERTALDO	299	Max WS	100-9-SA	650.73	61.30	70.66		71.14	0.002602	3.05	213.70	58.53	0.51
POGGIB.-CERTALDO	299	Max WS	30-9-SA	458.36	61.30	69.92		70.27	0.002085	2.64	173.37	49.51	0.45
POGGIB.-CERTALDO	298.98			Lat Struct									
POGGIB.-CERTALDO	298.7	Max WS	200-9-SA	740.72	61.20	70.84		71.30	0.001838	3.04	249.76	144.38	0.44
POGGIB.-CERTALDO	298.7	Max WS	100-9-SA	637.51	61.20	70.34		70.78	0.001968	2.94	220.80	138.24	0.45
POGGIB.-CERTALDO	298.7	Max WS	30-9-SA	457.51	61.20	69.62		69.95	0.001794	2.55	179.58	48.96	0.42
POGGIB.-CERTALDO	298.62	Max WS	200-9-SA	759.67	61.50	70.86		71.17	0.000771	2.52	323.83	121.72	0.31
POGGIB.-CERTALDO	298.62	Max WS	100-9-SA	639.22	61.50	70.39		70.66	0.000715	2.31	294.88	120.68	0.30
POGGIB.-CERTALDO	298.62	Max WS	30-9-SA	453.33	61.50	69.67		69.85	0.000571	1.90	249.75	116.91	0.26
POGGIB.-CERTALDO	298.61	Max WS	200-9-SA	760.77	61.50	70.91		71.12	0.000513	2.08	383.97	99.56	0.25
POGGIB.-CERTALDO	298.61	Max WS	100-9-SA	636.21	61.50	70.45		70.63	0.000457	1.87	353.68	99.56	0.23
POGGIB.-CERTALDO	298.61	Max WS	30-9-SA	451.80	61.50	69.72		69.83	0.000352	1.52	305.27	99.56	0.20
POGGIB.-CERTALDO	298.6	Max WS	200-9-SA	760.78	61.50	70.90		71.12	0.000752	2.08	369.80	70.09	0.28
POGGIB.-CERTALDO	298.6	Max WS	100-9-SA	636.16	61.50	70.44		70.62	0.000683	1.90	337.33	69.15	0.27
POGGIB.-CERTALDO	298.6	Max WS	30-9-SA	451.82	61.50	69.70		69.82	0.000546	1.58	286.74	67.68	0.24
POGGIB.-CERTALDO	298.4	Max WS	200-9-SA	760.72	61.50	70.89		71.11	0.000756	2.09	369.12	70.07	0.28
POGGIB.-CERTALDO	298.4	Max WS	100-9-SA	636.17	61.50	70.43		70.61	0.000686	1.91	336.72	69.14	0.27
POGGIB.-CERTALDO	298.4	Max WS	30-9-SA	451.80	61.50	69.69		69.82	0.000549	1.58	286.27	67.66	0.24
POGGIB.-CERTALDO	298.38			Lat Struct									
POGGIB.-CERTALDO	298.36	Max WS	200-9-SA	758.29	61.50	70.90		71.11	0.000638	2.05	371.23	65.37	0.27
POGGIB.-CERTALDO	298.36	Max WS	100-9-SA	634.53	61.50	70.43		70.61	0.000579	1.87	341.06	64.61	0.26
POGGIB.-CERTALDO	298.36	Max WS	30-9-SA	451.53	61.50	69.69		69.82	0.000464	1.54	293.83	63.40	0.22
POGGIB.-CERTALDO	298.09	Max WS	200-9-SA	698.26	60.57	70.71		70.99	0.001154	2.38	295.95	64.89	0.35
POGGIB.-CERTALDO	298.09	Max WS	100-9-SA	583.39	60.57	70.25		70.50	0.001117	2.21	266.41	64.05	0.34
POGGIB.-CERTALDO	298.09	Max WS	30-9-SA	433.73	60.57	69.48		69.69	0.001154	2.00	217.89	62.65	0.34
POGGIB.-CERTALDO	298.08			Lat Struct									
POGGIB.-CERTALDO	298	Max WS	200-9-SA	823.65	62.50	70.40		70.69	0.001325	2.37	347.31	90.21	0.39
POGGIB.-CERTALDO	298	Max WS	100-9-SA	669.77	62.50	70.00		70.23	0.001179	2.15	311.72	86.05	0.36
POGGIB.-CERTALDO	298	Max WS	30-9-SA	459.85	62.50	69.32		69.49	0.000960	1.80	255.69	79.04	0.32
POGGIB.-CERTALDO	297.99			Lat Struct									
POGGIB.-CERTALDO	297.98			Lat Struct									
POGGIB.-CERTALDO	296.18			Lat Struct									
POGGIB.-CERTALDO	296	Max WS	200-9-SA	804.27	61.70	69.65		70.22	0.002630	3.32	242.03	60.74	0.53
POGGIB.-CERTALDO	296	Max WS	100-9-SA	662.36	61.70	69.37		69.81	0.002234	2.94	225.13	60.31	0.49
POGGIB.-CERTALDO	296	Max WS	30-9-SA	460.39	61.70	68.87		69.15	0.001699	2.36	194.70	59.53	0.42
POGGIB.-CERTALDO	295	Max WS	200-9-SA	597.42	61.20	69.61		69.93	0.001258	2.50	239.36	52.39	0.37
POGGIB.-CERTALDO	295	Max WS	100-9-SA	517.07	61.20	69.23		69.51	0.001227	2.36	219.24	51.65	0.37
POGGIB.-CERTALDO	295	Max WS	30-9-SA	425.11	61.20	68.47		68.75	0.001493	2.35	180.62	50.20	0.40
POGGIB.-CERTALDO	294.19			Lat Struct									
POGGIB.-CERTALDO	294	Max WS	200-9-SA	732.12	62.20	68.57		69.13	0.002759	3.32	220.24	58.62	0.55
POGGIB.-CERTALDO	294	Max WS	100-9-SA	629.03	62.20	68.29		68.78	0.002573	3.08	204.05	58.00	0.52
POGGIB.-CERTALDO	294	Max WS	30-9-SA	447.84	62.20	67.89		68.20	0.001890	2.48	180.64	56.69	0.44

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	293.98			Lat Struct									
POGGIB.-CERTALDO	293.59			Lat Struct									
POGGIB.-CERTALDO	293	Max WS	200-9-SA	585.43	61.90	68.56		68.74	0.000797	1.85	316.93	80.89	0.30
POGGIB.-CERTALDO	293	Max WS	100-9-SA	491.99	61.90	68.27		68.41	0.000722	1.68	292.97	80.37	0.28
POGGIB.-CERTALDO	293	Max WS	30-9-SA	372.90	61.90	67.78		67.89	0.000653	1.47	253.76	79.53	0.26
POGGIB.-CERTALDO	292	Max WS	200-9-SA	437.19	61.90	68.38		68.64	0.001320	2.28	191.93	50.42	0.37
POGGIB.-CERTALDO	292	Max WS	100-9-SA	366.89	61.90	68.10		68.32	0.001165	2.06	178.08	49.77	0.35
POGGIB.-CERTALDO	292	Max WS	30-9-SA	282.83	61.90	67.61		67.78	0.001076	1.84	153.97	48.62	0.33
POGGIB.-CERTALDO	291	Max WS	200-9-SA	412.72	62.00	68.36		68.48	0.000556	1.53	269.33	66.58	0.24
POGGIB.-CERTALDO	291	Max WS	100-9-SA	334.14	62.00	68.10		68.19	0.000451	1.33	251.77	66.40	0.22
POGGIB.-CERTALDO	291	Max WS	30-9-SA	240.49	62.00	67.62		67.68	0.000356	1.09	220.03	65.58	0.19
POGGIB.-CERTALDO	290.98			Lat Struct									
POGGIB.-CERTALDO	290.49			Lat Struct									
POGGIB.-CERTALDO	290	Max WS	200-9-SA	527.30	61.90	67.68		68.03	0.001991	2.63	200.56	59.02	0.46
POGGIB.-CERTALDO	290	Max WS	100-9-SA	480.41	61.90	67.37		67.73	0.002213	2.63	182.58	58.41	0.48
POGGIB.-CERTALDO	290	Max WS	30-9-SA	380.49	61.90	66.94		67.23	0.002214	2.42	157.17	57.43	0.47
POGGIB.-CERTALDO	289	Max WS	200-9-SA	493.02	61.80	67.46		67.78	0.001836	2.51	196.62	58.39	0.44
POGGIB.-CERTALDO	289	Max WS	100-9-SA	456.78	61.80	67.08		67.43	0.002293	2.61	174.85	58.39	0.48
POGGIB.-CERTALDO	289	Max WS	30-9-SA	380.47	61.80	66.48		66.85	0.003019	2.71	140.63	55.12	0.54
POGGIB.-CERTALDO	288.48			Lat Struct									
POGGIB.-CERTALDO	288	Max WS	200-9-SA	596.65	62.00	67.39		67.62	0.001625	2.13	280.60	98.70	0.40
POGGIB.-CERTALDO	288	Max WS	100-9-SA	514.01	62.00	67.08		67.29	0.001751	2.05	250.27	98.70	0.41
POGGIB.-CERTALDO	288	Max WS	30-9-SA	413.20	62.00	66.46		66.70	0.002744	2.18	189.25	95.83	0.50
POGGIB.-CERTALDO	287.6	Max WS	200-9-SA	596.61	62.00	67.37	66.03	67.61	0.001649	2.14	279.30	98.70	0.41
POGGIB.-CERTALDO	287.6	Max WS	100-9-SA	514.00	62.00	67.07	65.70	67.28	0.001782	2.06	248.92	98.70	0.42
POGGIB.-CERTALDO	287.6	Max WS	30-9-SA	413.19	62.00	66.43	65.32	66.68	0.002852	2.21	186.95	95.65	0.50
POGGIB.-CERTALDO	287.5			Ini Struct									
POGGIB.-CERTALDO	287.4	Max WS	200-9-SA	596.51	58.70	67.22		67.25	0.000129	0.76	787.92	195.32	0.12
POGGIB.-CERTALDO	287.4	Max WS	100-9-SA	513.99	58.70	66.91		66.94	0.000124	0.71	727.73	195.32	0.12
POGGIB.-CERTALDO	287.4	Max WS	30-9-SA	412.19	58.70	66.21		66.23	0.000159	0.70	590.15	195.32	0.13
POGGIB.-CERTALDO	287	Max WS	200-9-SA	596.52	58.70	67.21		67.24	0.000129	0.76	787.09	195.32	0.12
POGGIB.-CERTALDO	287	Max WS	100-9-SA	513.98	58.70	66.91		66.93	0.000124	0.71	727.02	195.32	0.12
POGGIB.-CERTALDO	287	Max WS	30-9-SA	412.22	58.70	66.20		66.23	0.000160	0.70	589.38	195.32	0.13
POGGIB.-CERTALDO	286.99			Lat Struct									
POGGIB.-CERTALDO	286	Max WS	200-9-SA	638.34	59.00	67.19		67.23	0.000177	0.89	719.31	178.02	0.14
POGGIB.-CERTALDO	286	Max WS	100-9-SA	540.38	59.00	66.89		66.92	0.000164	0.81	665.59	178.02	0.13
POGGIB.-CERTALDO	286	Max WS	30-9-SA	417.04	59.00	66.19		66.22	0.000192	0.77	541.01	178.02	0.14
POGGIB.-CERTALDO	285.99			Lat Struct									
POGGIB.-CERTALDO	285.98			Lat Struct									
POGGIB.-CERTALDO	285	Max WS	200-9-SA	737.34	59.00	66.80		67.11	0.002954	2.45	300.73	133.93	0.52
POGGIB.-CERTALDO	285	Max WS	100-9-SA	614.98	59.00	66.52		66.80	0.003177	2.34	263.28	133.50	0.53
POGGIB.-CERTALDO	285	Max WS	30-9-SA	406.87	59.00	65.91		66.16	0.004695	2.24	181.63	132.00	0.61
POGGIB.-CERTALDO	284	Max WS	200-9-SA	753.65	58.90	66.80		67.06	0.001889	2.25	335.67	122.42	0.43
POGGIB.-CERTALDO	284	Max WS	100-9-SA	626.59	58.90	66.53		66.75	0.001823	2.07	302.96	122.01	0.42
POGGIB.-CERTALDO	284	Max WS	30-9-SA	447.55	58.90	65.97		66.16	0.002117	1.90	235.38	120.85	0.43
POGGIB.-CERTALDO	283	Max WS	200-9-SA	799.47	58.60	66.61		66.82	0.001719	2.04	392.54	153.98	0.41
POGGIB.-CERTALDO	283	Max WS	100-9-SA	649.44	58.60	66.37		66.54	0.001503	1.82	356.44	149.32	0.38
POGGIB.-CERTALDO	283	Max WS	30-9-SA	410.74	58.60	65.86		65.97	0.001130	1.45	283.33	134.54	0.32
POGGIB.-CERTALDO	282	Max WS	200-9-SA	799.46	58.50	66.56		66.77	0.001361	1.99	401.08	136.26	0.37
POGGIB.-CERTALDO	282	Max WS	100-9-SA	648.95	58.50	66.34		66.49	0.001160	1.75	370.19	135.39	0.34
POGGIB.-CERTALDO	282	Max WS	30-9-SA	410.51	58.50	65.85		65.94	0.000873	1.35	304.35	133.46	0.29
POGGIB.-CERTALDO	281.9	Max WS	200-9-SA	799.12	58.50	66.39	64.83	66.75	0.001837	2.67	298.94	135.58	0.44
POGGIB.-CERTALDO	281.9	Max WS	100-9-SA	644.69	58.50	66.22	63.70	66.48	0.001399	2.26	285.21	134.93	0.38
POGGIB.-CERTALDO	281.9	Max WS	30-9-SA	409.68	58.50	65.79	62.69	65.93	0.000863	1.63	251.13	133.26	0.29
POGGIB.-CERTALDO	281.5			Bridge									
POGGIB.-CERTALDO	281.1	Max WS	200-9-SA	799.37	58.80	66.50		66.68	0.000594	1.87	428.54	86.39	0.27
POGGIB.-CERTALDO	281.1	Max WS	100-9-SA	648.01	58.80	66.31		66.43	0.000436	1.57	411.62	84.89	0.23
POGGIB.-CERTALDO	281.1	Max WS	30-9-SA	410.33	58.80	65.85		65.91	0.000229	1.10	373.30	81.40	0.16
POGGIB.-CERTALDO	281	Max WS	200-9-SA	799.37	58.80	66.50		66.68	0.000596	1.87	427.93	86.34	0.27
POGGIB.-CERTALDO	281	Max WS	100-9-SA	647.99	58.80	66.30		66.43	0.000437	1.58	411.18	84.85	0.23
POGGIB.-CERTALDO	281	Max WS	30-9-SA	410.34	58.80	65.84		65.90	0.000229	1.10	373.08	81.37	0.16
POGGIB.-CERTALDO	280	Max WS	200-9-SA	799.28	58.00	66.47		66.64	0.000602	1.82	438.88	92.56	0.27
POGGIB.-CERTALDO	280	Max WS	100-9-SA	647.53	58.00	66.28		66.40	0.000446	1.54	421.44	91.65	0.23
POGGIB.-CERTALDO	280	Max WS	30-9-SA	410.16	58.00	65.83		65.89	0.000243	1.08	380.70	89.48	0.17
POGGIB.-CERTALDO	279.99			Lat Struct									
POGGIB.-CERTALDO	279.98			Lat Struct									
POGGIB.-CERTALDO	279.58			Lat Struct									
POGGIB.-CERTALDO	279	Max WS	200-9-SA	695.91	58.10	66.37		66.56	0.000623	1.93	361.27	157.37	0.27
POGGIB.-CERTALDO	279	Max WS	100-9-SA	625.11	58.10	66.20		66.37	0.000559	1.79	349.43	157.34	0.26
POGGIB.-CERTALDO	279	Max WS	30-9-SA	407.25	58.10	65.79		65.87	0.000313	1.27	319.97	156.47	0.19
POGGIB.-CERTALDO	278	Max WS	200-9-SA	736.11	58.10	66.33		66.60	0.000938	2.32	317.59	130.62	0.33
POGGIB.-CERTALDO	278	Max WS	100-9-SA	610.00	58.10	66.16		66.37	0.000718	1.99	307.20	130.62	0.29
POGGIB.-CERTALDO	278	Max WS	30-9-SA	425.82	58.10	65.73		65.85	0.000464	1.52	280.09	129.47	0.23

Reach	River Sta	Profile	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
POGGIB.-CERTALDO	277	Max WS	200-9-SA	634.54	57.60	66.37		66.61	0.000832	2.15	295.10	58.25	0.30
POGGIB.-CERTALDO	277	Max WS	100-9-SA	541.82	57.60	66.17		66.35	0.000689	1.91	283.31	58.25	0.28
POGGIB.-CERTALDO	277	Max WS	30-9-SA	409.88	57.60	65.69		65.82	0.000533	1.60	255.55	57.15	0.24
POGGIB.-CERTALDO	276.99			Lat Struct									
POGGIB.-CERTALDO	276	Max WS	200-9-SA	558.49	57.88	66.24		66.58	0.001169	2.60	214.49	37.67	0.35
POGGIB.-CERTALDO	276	Max WS	100-9-SA	517.42	57.88	65.98		66.30	0.001156	2.53	204.61	37.67	0.35
POGGIB.-CERTALDO	276	Max WS	30-9-SA	448.64	57.88	65.41		65.72	0.001148	2.44	184.05	35.94	0.34
POGGIB.-CERTALDO	275	Max WS	200-9-SA	540.58	57.47	65.36		66.31	0.004793	4.33	124.77	27.99	0.66
POGGIB.-CERTALDO	275	Max WS	100-9-SA	511.46	57.47	64.98		66.00	0.005515	4.47	114.39	27.49	0.70
POGGIB.-CERTALDO	275	Max WS	30-9-SA	448.64	57.47	64.28		65.40	0.006493	4.70	95.49	24.12	0.75
POGGIB.-CERTALDO	274	Max WS	200-9-SA	540.57	57.39	65.64		65.85	0.000873	2.05	263.21	59.07	0.31
POGGIB.-CERTALDO	274	Max WS	100-9-SA	511.46	57.39	65.22		65.46	0.001043	2.14	239.06	57.87	0.34
POGGIB.-CERTALDO	274	Max WS	30-9-SA	448.64	57.39	64.46		64.73	0.001446	2.29	195.75	54.83	0.39
POGGIB.-CERTALDO	273	Max WS	200-9-SA	538.87	56.94	65.60		65.74	0.000605	1.71	315.66	72.68	0.26
POGGIB.-CERTALDO	273	Max WS	100-9-SA	511.45	56.94	65.16		65.33	0.000744	1.80	284.34	70.93	0.29
POGGIB.-CERTALDO	273	Max WS	30-9-SA	448.64	56.94	64.34		64.54	0.001129	1.97	227.48	67.80	0.34
POGGIB.-CERTALDO	272	Max WS	200-9-SA	773.02	56.54	64.87		65.24	0.001842	2.71	285.65	74.73	0.44
POGGIB.-CERTALDO	272	Max WS	100-9-SA	656.27	56.54	64.56		64.88	0.001730	2.50	262.62	74.19	0.42
POGGIB.-CERTALDO	272	Max WS	30-9-SA	480.55	56.54	63.85		64.11	0.001793	2.28	211.02	70.54	0.42
POGGIB.-CERTALDO	271.99			Lat Struct									
POGGIB.-CERTALDO	271	Max WS	200-9-SA	742.45	56.53	64.74		65.02	0.001247	2.37	313.60	73.95	0.37
POGGIB.-CERTALDO	271	Max WS	100-9-SA	654.20	56.53	64.38		64.64	0.001279	2.28	286.97	73.38	0.37
POGGIB.-CERTALDO	271	Max WS	30-9-SA	480.56	56.53	63.65		63.87	0.001310	2.05	234.31	72.24	0.36
POGGIB.-CERTALDO	270	Max WS	200-9-SA	717.84	54.36	64.50		64.84	0.001366	2.59	277.57	60.02	0.38
POGGIB.-CERTALDO	270	Max WS	100-9-SA	653.96	54.36	64.09		64.43	0.001516	2.59	252.65	59.40	0.40
POGGIB.-CERTALDO	270	Max WS	30-9-SA	480.56	54.36	63.40		63.66	0.001409	2.27	212.14	58.39	0.38
POGGIB.-CERTALDO	269	Max WS	200-9-SA	742.65	54.91	64.02		64.38	0.001825	2.65	280.54	74.94	0.44
POGGIB.-CERTALDO	269	Max WS	100-9-SA	653.02	54.91	63.60		63.95	0.002030	2.62	249.10	73.24	0.45
POGGIB.-CERTALDO	269	Max WS	30-9-SA	478.00	54.91	62.85		63.16	0.002319	2.45	195.39	70.59	0.47
POGGIB.-CERTALDO	268.1	Max WS	200-9-SA	758.84	54.27	63.68		64.12	0.001896	2.92	260.16	58.54	0.44
POGGIB.-CERTALDO	268.1	Max WS	100-9-SA	653.04	54.27	63.33		63.71	0.001820	2.72	239.67	58.52	0.43
POGGIB.-CERTALDO	268.1	Max WS	30-9-SA	477.98	54.27	62.60		62.90	0.001803	2.43	196.98	57.97	0.42
POGGIB.-CERTALDO	268	Max WS	200-9-SA	745.18	54.27	63.68	61.54	64.10	0.001832	2.87	260.02	58.54	0.43
POGGIB.-CERTALDO	268	Max WS	100-9-SA	653.04	54.27	63.33	61.27	63.71	0.001824	2.73	239.54	58.52	0.43
POGGIB.-CERTALDO	268	Max WS	30-9-SA	477.98	54.27	62.60	60.04	62.90	0.001806	2.43	196.85	57.94	0.42

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D0	Max WS	200-9-SA	88.98	86.90	0.44	45.17	37.01
D0	Max WS	100-9-SA	88.59	86.90	-0.04	34.61	20.40
D0	Max WS	30-9-SA	86.90	86.90	0.00	0.00	0.00
D10A	Max WS	200-9-SA	75.75	68.80	0.25	4.61	6.42
D10A	Max WS	100-9-SA	75.58	68.80	0.01	4.55	5.62
D10A	Max WS	30-9-SA	73.98	68.80	0.20	0.57	1.11
D10B	Max WS	200-9-SA	75.87	71.90	0.03	18.97	19.63
D10B	Max WS	100-9-SA	75.71	71.90	-0.76	18.29	16.64
D10B	Max WS	30-9-SA	74.38	71.90	0.04	1.39	0.78
D11A	Max WS	200-9-SA	74.95	71.40	-13.41	72.97	83.73
D11A	Max WS	100-9-SA	74.45	71.40	1.95	72.07	47.40
D11A	Max WS	30-9-SA	72.81	71.40	0.02	0.49	0.12
D11B	Max WS	200-9-SA	74.31	65.90	5.16	67.06	101.19
D11B	Max WS	100-9-SA	73.86	65.90	5.90	66.68	70.69
D11B	Max WS	30-9-SA	73.08	65.90	1.40	55.08	21.00
D11C	Max WS	200-9-SA	75.17	72.40	14.79	27.39	26.49
D11C	Max WS	100-9-SA	74.36	72.40	1.07	18.75	6.08
D11C	Max WS	30-9-SA	72.40	72.40	0.00	0.00	0.00
D12A	Max WS	200-9-SA	74.44	72.50	0.15	15.44	4.28
D12A	Max WS	100-9-SA	74.14	72.50	0.16	4.87	1.25
D12A	Max WS	30-9-SA	72.82	72.50	0.01	0.05	0.00
D12B	Max WS	200-9-SA	74.29	69.80	1.82	172.29	198.47
D12B	Max WS	100-9-SA	73.84	69.80	0.76	144.38	128.34
D12B	Max WS	30-9-SA	73.02	69.80	2.95	90.95	34.06
D13	Max WS	200-9-SA	74.12	66.10	1.14	12.82	20.30
D13	Max WS	100-9-SA	73.57	66.10	0.93	12.70	13.26
D13	Max WS	30-9-SA	72.75	66.10	0.05	7.00	3.55
D14	Max WS	200-9-SA	73.72	69.50	27.85	147.99	135.66
D14	Max WS	100-9-SA	73.21	69.50	18.84	115.99	69.12
D14	Max WS	30-9-SA	72.24	69.50	2.30	32.91	10.62
D15A	Max WS	200-9-SA	72.69	68.70	-31.72	54.06	56.32
D15A	Max WS	100-9-SA	72.33	68.70	-14.19	53.64	36.77
D15A	Max WS	30-9-SA	71.79	68.70	-1.10	28.91	11.56
D15B	Max WS	200-9-SA	72.48	67.50	5.32	60.40	111.38
D15B	Max WS	100-9-SA	72.11	67.50	3.33	60.32	89.07
D15B	Max WS	30-9-SA	71.41	67.50	1.06	60.02	46.97
D16	Max WS	200-9-SA	73.03	69.80	19.42	87.55	118.91
D16	Max WS	100-9-SA	72.12	69.80	2.62	61.41	53.67
D16	Max WS	30-9-SA	71.18	69.80	0.55	21.76	5.95
D17A	Max WS	200-9-SA	71.85	63.70	2.98	140.52	304.94
D17A	Max WS	100-9-SA	71.32	63.70	0.54	139.66	230.65
D17A	Max WS	30-9-SA	70.30	63.70	2.21	134.05	89.65
D17B	Max WS	200-9-SA	70.74	67.20	0.64	56.24	112.61
D17B	Max WS	100-9-SA	70.28	67.20	2.27	54.16	87.08
D17B	Max WS	30-9-SA	69.50	67.20	0.57	52.43	45.63
D17C	Max WS	200-9-SA	70.89	67.90	-0.27	48.25	94.54
D17C	Max WS	100-9-SA	70.37	67.90	-1.65	47.70	69.85
D17C	Max WS	30-9-SA	69.62	67.90	0.03	47.13	34.30
D17D	Max WS	200-9-SA	71.41	67.80	0.06	13.31	17.67

HEC-RAS Profile: Max WS (Continued)

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D17D	Max WS	100-9-SA	71.04	67.80	0.31	11.30	13.22
D17D	Max WS	30-9-SA	70.24	67.80	-0.08	8.75	5.40
D18	Max WS	200-9-SA	70.43	65.20	1.41	104.19	80.96
D18	Max WS	100-9-SA	70.02	65.20	1.06	78.44	44.52
D18	Max WS	30-9-SA	69.29	65.20	0.06	21.81	13.95
D19	Max WS	200-9-SA	67.45	63.30	8.31	391.83	470.96
D19	Max WS	100-9-SA	66.65	63.30	14.16	276.29	209.12
D19	Max WS	30-9-SA	63.30	63.30	0.00	0.00	0.00
D1A	Max WS	200-9-SA	88.99	82.80	2.69	82.21	88.93
D1A	Max WS	100-9-SA	88.58	82.80	4.06	76.54	56.43
D1A	Max WS	30-9-SA	87.70	82.80	1.84	24.07	9.09
D1B	Max WS	200-9-SA	86.57	82.30	5.63	94.66	77.58
D1B	Max WS	100-9-SA	86.22	82.30	1.47	85.35	46.09
D1B	Max WS	30-9-SA	82.30	82.30	0.00	0.00	0.00
D1C	Max WS	200-9-SA	85.64	82.70	2.36	104.73	87.65
D1C	Max WS	100-9-SA	85.36	82.70	0.03	80.02	60.87
D1C	Max WS	30-9-SA	84.56	82.70	0.47	31.29	14.17
D1D	Max WS	200-9-SA	88.58	82.50	1.34	51.73	17.50
D1D	Max WS	100-9-SA	86.64	82.50	0.04	0.12	0.15
D1D	Max WS	30-9-SA	82.50	82.50	0.00	0.00	0.00
D2	Max WS	200-9-SA	82.89	76.50	0.94	77.65	62.68
D2	Max WS	100-9-SA	82.42	76.50	0.68	68.53	28.89
D2	Max WS	30-9-SA	81.83	76.50	0.15	19.55	7.40
D20	Max WS	200-9-SA	61.90	61.90	0.00	0.02	0.00
D20	Max WS	100-9-SA	61.90	61.90	0.00	0.02	0.00
D20	Max WS	30-9-SA	61.90	61.90	0.00	0.02	0.00
D21	Max WS	200-9-SA	61.80	61.80	0.00	0.01	0.00
D21	Max WS	100-9-SA	61.80	61.80	0.00	0.01	0.00
D21	Max WS	30-9-SA	61.80	61.80	0.00	0.01	0.00
D22	Max WS	200-9-SA	66.15	58.20	4.80	217.74	581.23
D22	Max WS	100-9-SA	64.20	58.20	10.38	139.47	241.35
D22	Max WS	30-9-SA	58.20	58.20	0.00	0.03	0.00
D23	Max WS	200-9-SA	65.19	58.80	26.10	319.93	587.60
D23	Max WS	100-9-SA	63.42	58.80	6.14	178.16	151.83
D23	Max WS	30-9-SA	58.80	58.80	0.00	0.02	0.00
D3	Max WS	200-9-SA	82.87	80.40	0.08	2.10	0.89
D3	Max WS	100-9-SA	80.40	80.40	0.00	0.02	0.00
D3	Max WS	30-9-SA	80.40	80.40	0.00	0.02	0.00
D4A	Max WS	200-9-SA	82.87	80.50	0.22	9.12	3.04
D4A	Max WS	100-9-SA	82.15	80.50	0.00	0.62	0.18
D4A	Max WS	30-9-SA	80.50	80.50	0.00	0.01	0.00
D4B	Max WS	200-9-SA	82.78	80.30	0.03	20.22	8.80
D4B	Max WS	100-9-SA	82.05	80.30	0.11	3.38	0.54
D4B	Max WS	30-9-SA	80.30	80.30	0.00	0.00	0.00
D5	Max WS	200-9-SA	81.22	76.00	0.55	18.64	24.10
D5	Max WS	100-9-SA	81.03	76.00	2.65	16.27	21.01
D5	Max WS	30-9-SA	80.51	76.00	0.67	11.62	13.90
D6A	Max WS	200-9-SA	80.68	77.20	2.24	15.25	15.39
D6A	Max WS	100-9-SA	80.49	77.20	0.99	13.83	12.62

HEC-RAS Profile: Max WS (Continued)

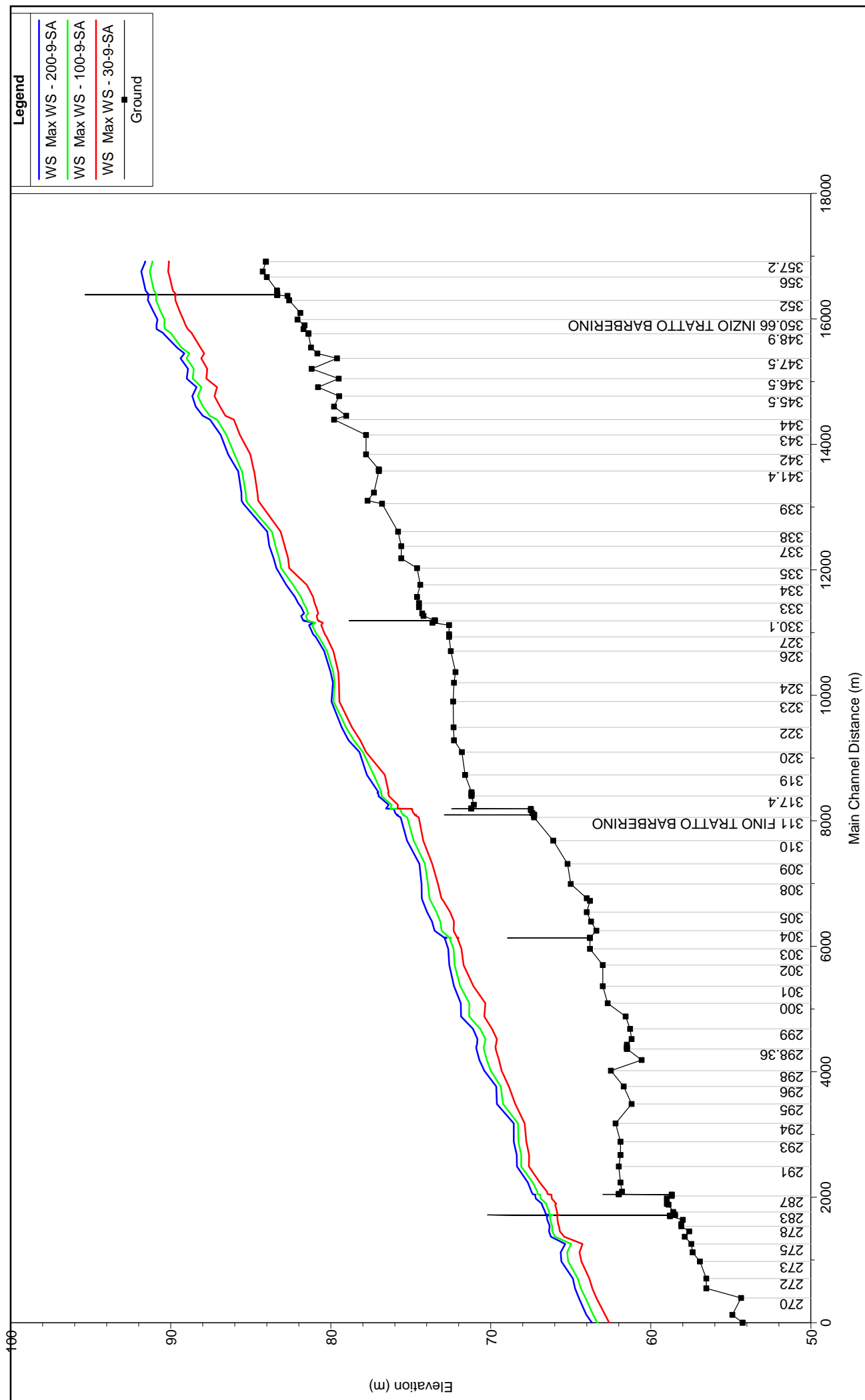
Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D6A	Max WS	30-9-SA	77.20	77.20	0.00	0.03	0.00
D6B	Max WS	200-9-SA	80.92	75.70	-0.01	6.51	5.96
D6B	Max WS	100-9-SA	78.18	75.70	0.08	0.38	0.57
D6B	Max WS	30-9-SA	75.70	75.70	0.00	0.03	0.00
D7	Max WS	200-9-SA	79.78	74.70	5.58	60.66	105.30
D7	Max WS	100-9-SA	79.59	74.70	3.53	56.80	93.94
D7	Max WS	30-9-SA	79.24	74.70	0.74	53.44	74.42
D8A	Max WS	200-9-SA	77.86	73.50	0.66	72.04	108.02
D8A	Max WS	100-9-SA	77.51	73.50	0.83	67.36	84.00
D8A	Max WS	30-9-SA	76.68	73.50	1.20	57.74	31.88
D8B	Max WS	200-9-SA	76.44	74.20	0.35	54.59	70.73
D8B	Max WS	100-9-SA	76.17	74.20	0.07	51.83	56.42
D8B	Max WS	30-9-SA	75.46	74.20	1.65	44.43	22.06
D8C	Max WS	200-9-SA	76.34	72.90	0.17	9.31	12.98
D8C	Max WS	100-9-SA	76.06	72.90	0.29	9.29	10.36
D8C	Max WS	30-9-SA	75.38	72.90	0.32	8.54	4.23
D9	Max WS	200-9-SA	75.87	73.80	-0.09	10.49	4.45
D9	Max WS	100-9-SA	75.71	73.80	0.83	8.08	2.99
D9	Max WS	30-9-SA	74.38	73.80	0.00	0.10	0.02
S10A	Max WS	200-9-SA	69.43	63.90	2.99	234.07	410.78
S10A	Max WS	100-9-SA	69.06	63.90	2.11	233.76	324.10
S10A	Max WS	30-9-SA	68.31	63.90	0.58	230.62	150.38
S10B	Max WS	200-9-SA	68.68	66.40	0.39	62.31	54.97
S10B	Max WS	100-9-SA	68.32	66.40	0.24	49.62	34.50
S10B	Max WS	30-9-SA	67.79	66.40	0.41	27.32	13.63
S11A	Max WS	200-9-SA	68.60	65.20	-16.91	33.87	50.12
S11A	Max WS	100-9-SA	68.23	65.20	-15.01	33.63	37.45
S11A	Max WS	30-9-SA	67.61	65.20	-9.63	32.94	16.89
S11B	Max WS	200-9-SA	68.35	63.00	3.97	49.18	118.28
S11B	Max WS	100-9-SA	68.07	63.00	-2.39	49.15	104.52
S11B	Max WS	30-9-SA	67.57	63.00	1.34	48.83	80.15
S11C	Max WS	200-9-SA	68.64	65.80	18.96	61.91	75.09
S11C	Max WS	100-9-SA	68.28	65.80	16.51	54.86	54.13
S11C	Max WS	30-9-SA	67.76	65.80	10.48	41.04	28.68
S11D	Max WS	200-9-SA	68.45	64.40	0.81	66.90	70.37
S11D	Max WS	100-9-SA	68.16	64.40	1.07	61.16	52.17
S11D	Max WS	30-9-SA	67.71	64.40	0.42	44.40	28.44
S11E	Max WS	200-9-SA	68.44	63.10	12.08	121.13	161.60
S11E	Max WS	100-9-SA	68.15	63.10	6.05	117.31	127.40
S11E	Max WS	30-9-SA	67.57	63.10	1.18	81.74	71.00
S12A	Max WS	200-9-SA	67.54	63.40	6.35	31.52	80.18
S12A	Max WS	100-9-SA	67.19	63.40	0.36	31.34	68.95
S12A	Max WS	30-9-SA	66.53	63.40	0.08	30.59	48.69
S12B	Max WS	200-9-SA	67.27	60.40	0.30	84.55	82.05
S12B	Max WS	100-9-SA	66.95	60.40	0.44	64.35	57.91
S12B	Max WS	30-9-SA	66.21	60.40	2.09	37.83	19.53
S13A	Max WS	200-9-SA	65.46	62.10	5.69	80.17	153.38
S13A	Max WS	100-9-SA	65.13	62.10	0.31	74.32	128.49
S13A	Max WS	30-9-SA	64.52	62.10	0.55	68.19	85.09

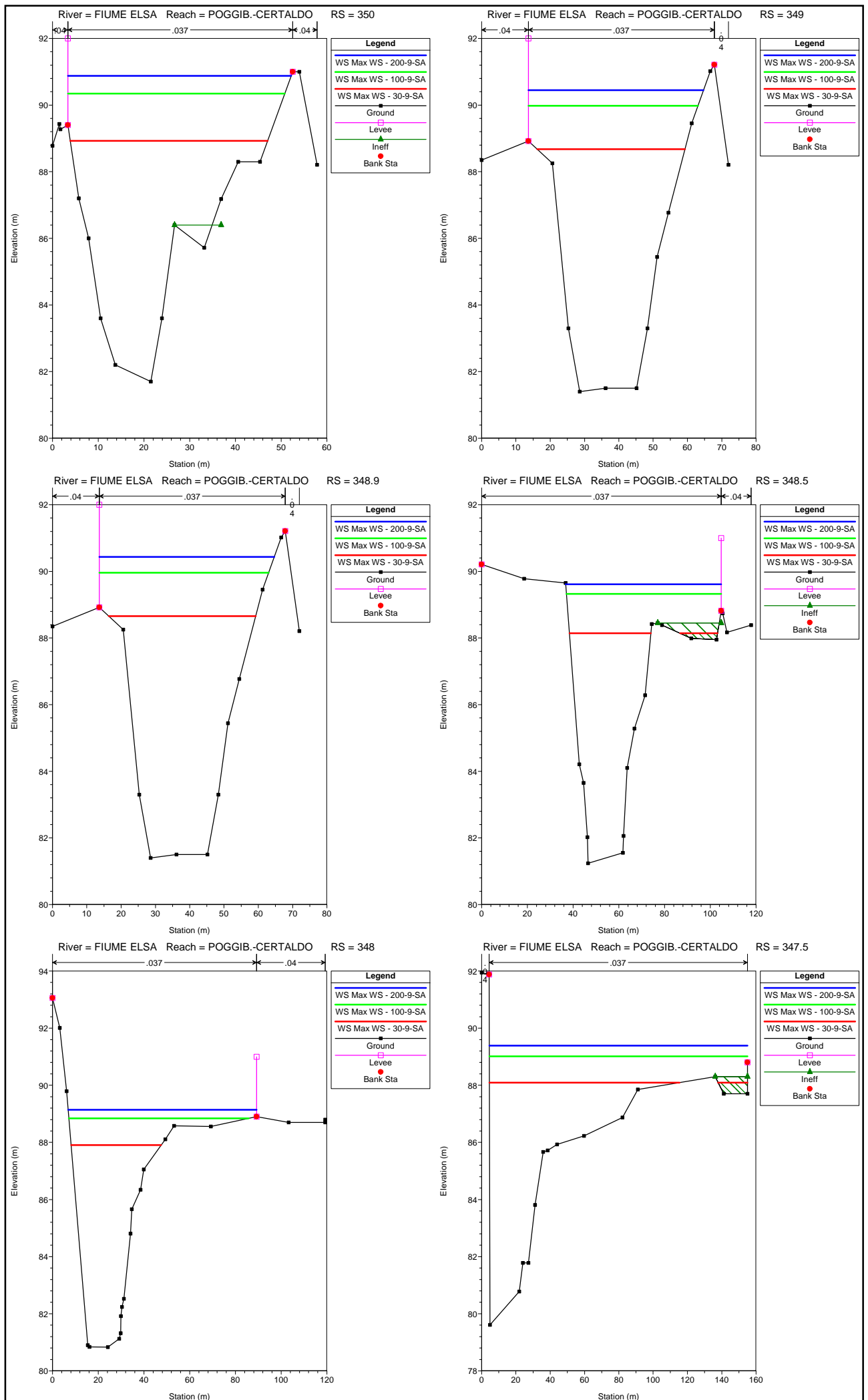
HEC-RAS Profile: Max WS (Continued)

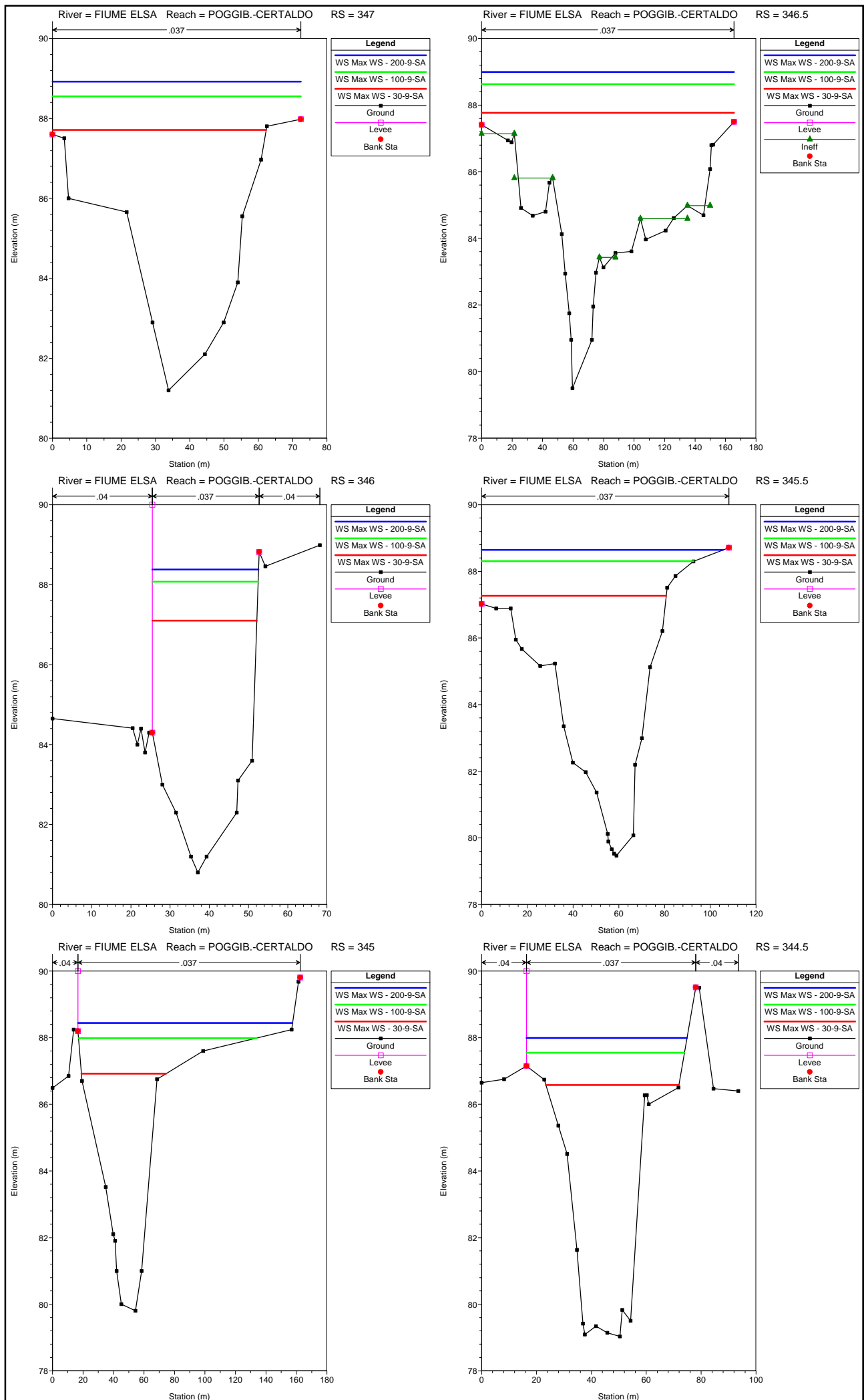
Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
S13B	Max WS	200-9-SA	64.29	57.90	1.65	147.11	344.27
S13B	Max WS	100-9-SA	61.53	57.90	2.38	72.03	21.83
S13B	Max WS	30-9-SA	57.90	57.90	0.00	0.00	0.00
S1A	Max WS	200-9-SA	90.20	89.10	0.18	1.38	0.36
S1A	Max WS	100-9-SA	89.10	89.10	0.00	0.00	0.00
S1A	Max WS	30-9-SA	89.10	89.10	0.00	0.00	0.00
S1B	Max WS	200-9-SA	90.72	86.70	0.02	47.86	57.15
S1B	Max WS	100-9-SA	90.24	86.70	0.62	39.41	35.41
S1B	Max WS	30-9-SA	86.70	86.70	0.00	0.01	0.00
S1C	Max WS	200-9-SA	89.20	89.20	0.00	0.01	0.00
S1C	Max WS	100-9-SA	89.20	89.20	0.00	0.01	0.00
S1C	Max WS	30-9-SA	89.20	89.20	0.00	0.01	0.00
S2A	Max WS	200-9-SA	90.39	82.70	0.10	45.69	49.81
S2A	Max WS	100-9-SA	89.99	82.70	0.41	35.84	32.35
S2A	Max WS	30-9-SA	82.70	82.70	0.00	0.00	0.00
S2B	Max WS	200-9-SA	88.53	82.50	8.93	100.87	134.35
S2B	Max WS	100-9-SA	88.20	82.50	9.60	82.53	102.70
S2B	Max WS	30-9-SA	87.32	82.50	0.85	54.01	42.72
S2C	Max WS	200-9-SA	85.49	83.70	0.17	20.39	9.81
S2C	Max WS	100-9-SA	85.13	83.70	0.21	11.83	3.68
S2C	Max WS	30-9-SA	83.70	83.70	0.00	0.01	0.00
S3A	Max WS	200-9-SA	84.93	81.20	0.61	259.02	359.86
S3A	Max WS	100-9-SA	84.67	81.20	1.08	235.22	295.60
S3A	Max WS	30-9-SA	82.82	81.20	2.27	504.11	11.24
S3B	Max WS	200-9-SA	83.69	79.90	0.02	105.96	77.19
S3B	Max WS	100-9-SA	83.30	79.90	0.96	71.12	43.05
S3B	Max WS	30-9-SA	82.53	79.90	0.54	19.94	7.22
S4A	Max WS	200-9-SA	82.12	78.60	0.75	156.07	65.39
S4A	Max WS	100-9-SA	82.01	78.60	0.77	156.07	48.27
S4A	Max WS	30-9-SA	81.56	78.60	1.03	38.26	10.10
S4B	Max WS	200-9-SA	80.28	75.20	1.07	152.01	101.06
S4B	Max WS	100-9-SA	79.70	75.20	0.15	72.48	38.90
S4B	Max WS	30-9-SA	78.85	75.20	-0.05	16.63	4.98
S5	Max WS	200-9-SA	79.57	74.30	8.83	734.73	1233.31
S5	Max WS	100-9-SA	78.98	74.30	19.04	646.25	809.71
S5	Max WS	30-9-SA	78.09	74.30	8.70	407.64	330.12
S6A	Max WS	200-9-SA	78.51	74.10	0.24	95.61	232.73
S6A	Max WS	100-9-SA	78.13	74.10	0.98	95.29	196.64
S6A	Max WS	30-9-SA	77.56	74.10	2.82	94.31	142.21
S6B	Max WS	200-9-SA	75.75	73.00	0.86	83.51	62.59
S6B	Max WS	100-9-SA	75.43	73.00	0.75	71.71	38.00
S6B	Max WS	30-9-SA	74.96	73.00	0.31	30.30	13.31
S6C	Max WS	200-9-SA	77.47	73.30	0.95	65.42	126.78
S6C	Max WS	100-9-SA	77.12	73.30	2.00	65.34	103.96
S6C	Max WS	30-9-SA	76.51	73.30	1.78	64.65	64.15
S7A	Max WS	200-9-SA	75.41	67.50	1.36	159.90	187.06
S7A	Max WS	100-9-SA	74.99	67.50	-0.19	128.45	122.96
S7A	Max WS	30-9-SA	74.43	67.50	-0.02	90.77	61.34

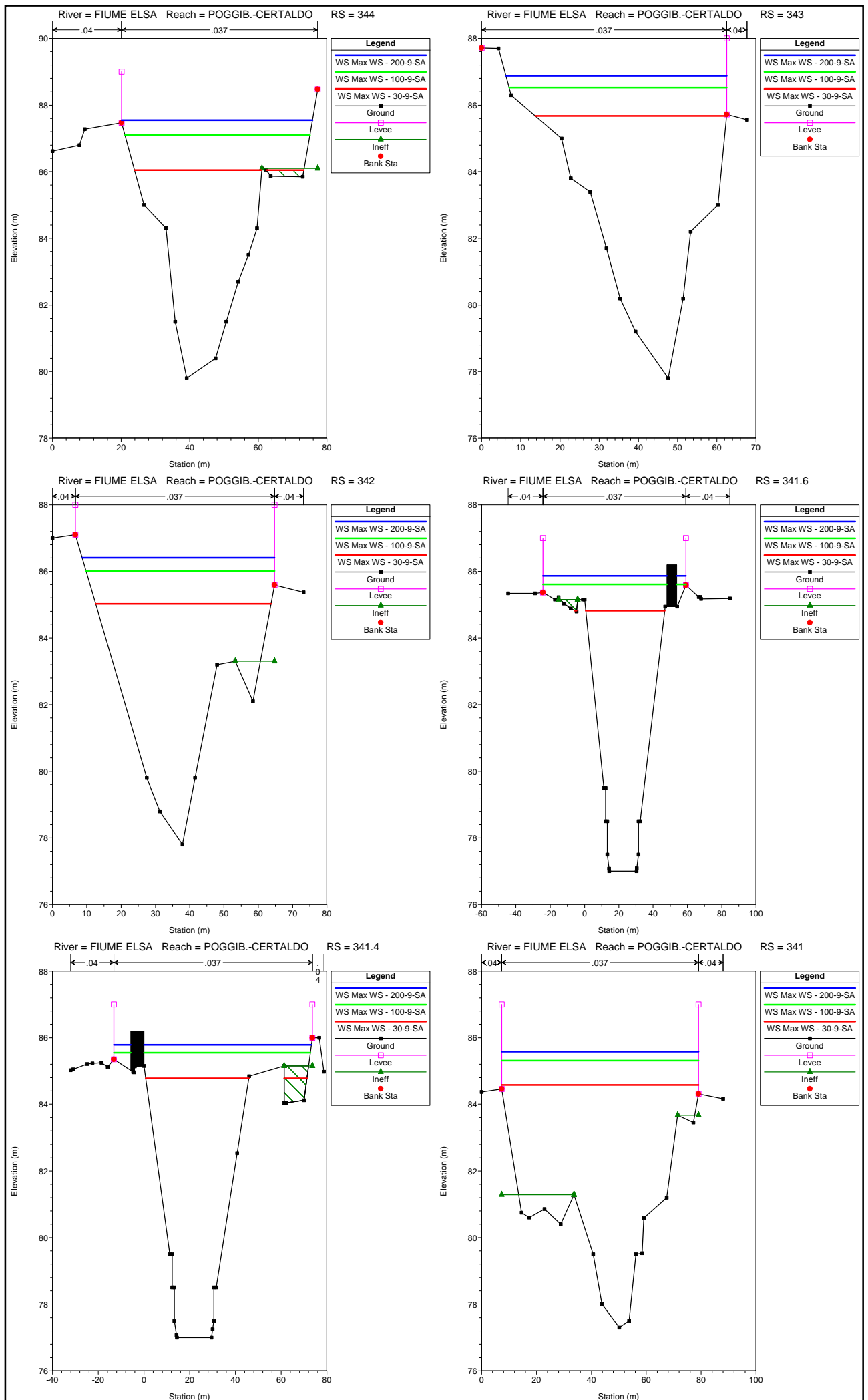
HEC-RAS Profile: Max WS (Continued)

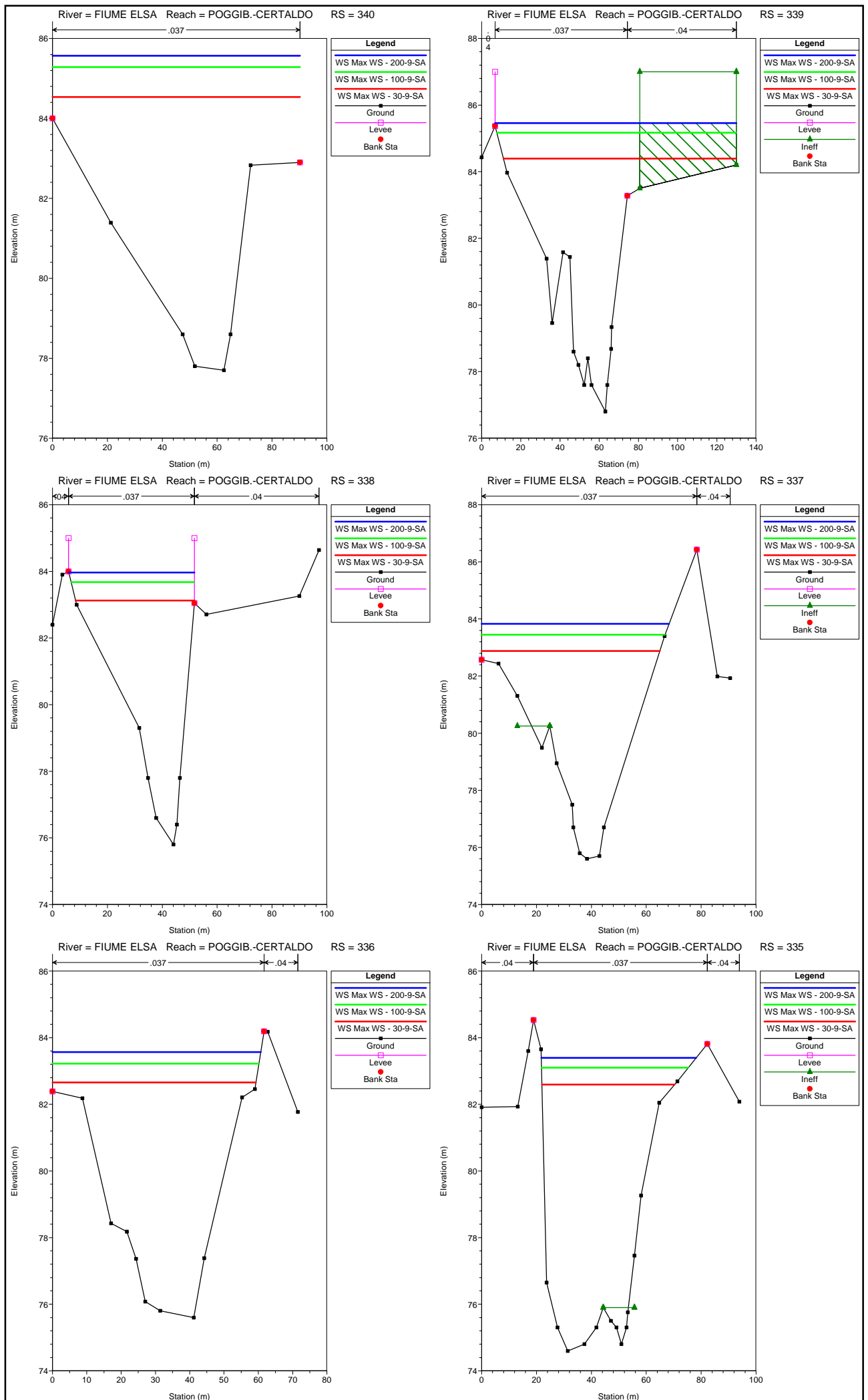
Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
S7B	Max WS	200-9-SA	74.49	69.80	1.17	44.05	43.17
S7B	Max WS	100-9-SA	74.05	69.80	0.41	42.17	24.55
S7B	Max WS	30-9-SA	73.07	69.80	0.14	1.43	0.58
S8	Max WS	200-9-SA	74.15	65.70	8.32	116.46	195.23
S8	Max WS	100-9-SA	73.66	65.70	1.87	111.53	139.24
S8	Max WS	30-9-SA	72.62	65.70	0.51	82.16	37.38
S9A	Max WS	200-9-SA	72.63	66.90	2.05	62.55	71.64
S9A	Max WS	100-9-SA	72.29	66.90	0.38	58.31	51.18
S9A	Max WS	30-9-SA	71.75	66.90	0.19	48.61	22.01
S9B	Max WS	200-9-SA	72.30	66.00	6.78	166.57	260.48
S9B	Max WS	100-9-SA	71.89	66.00	2.09	160.84	193.71
S9B	Max WS	30-9-SA	70.99	66.00	1.30	104.95	63.06
S9C	Max WS	200-9-SA	71.99	65.00	2.78	54.98	98.44
S9C	Max WS	100-9-SA	71.44	65.00	0.71	50.84	69.37
S9C	Max WS	30-9-SA	70.23	65.00	2.27	36.08	16.88

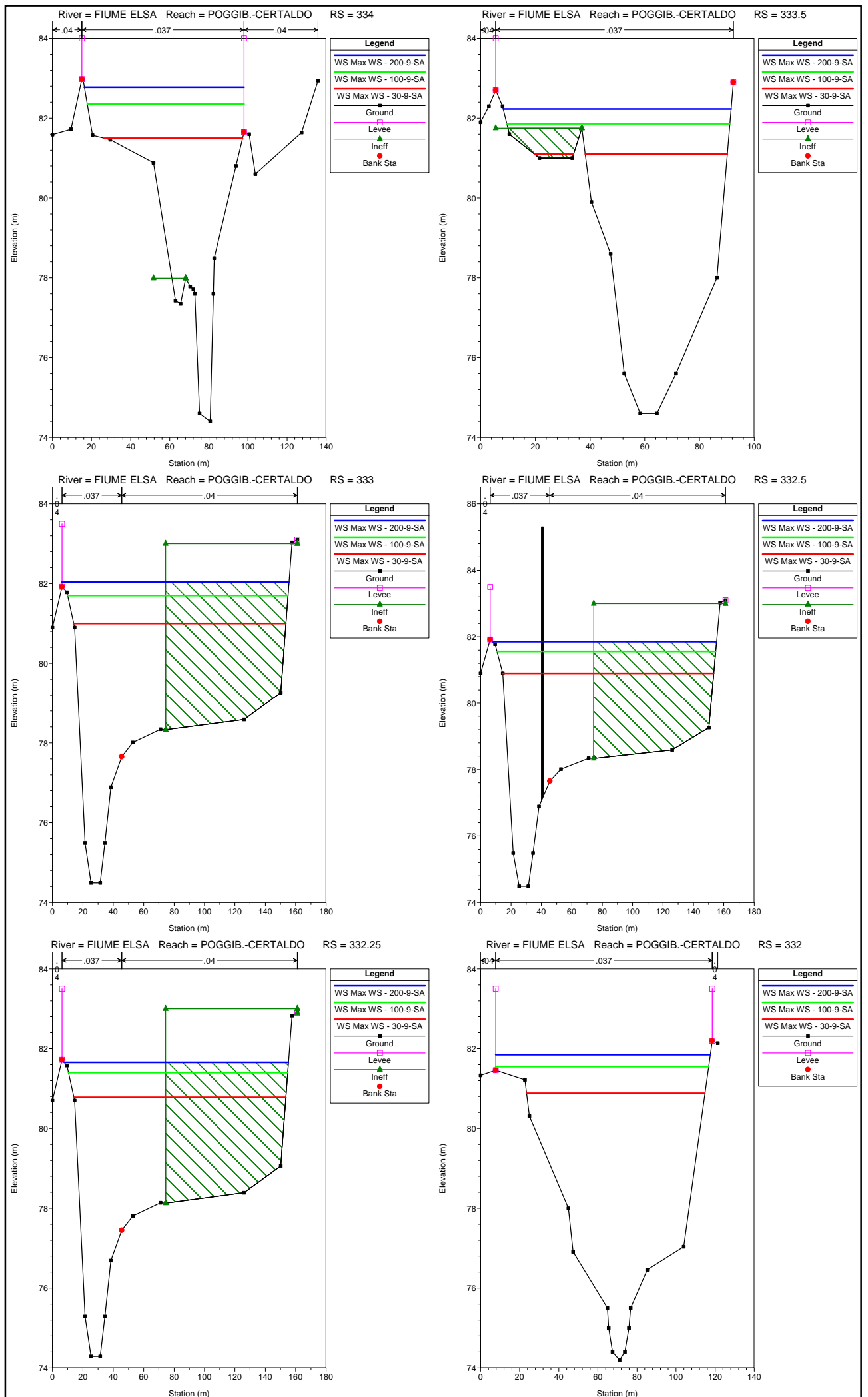


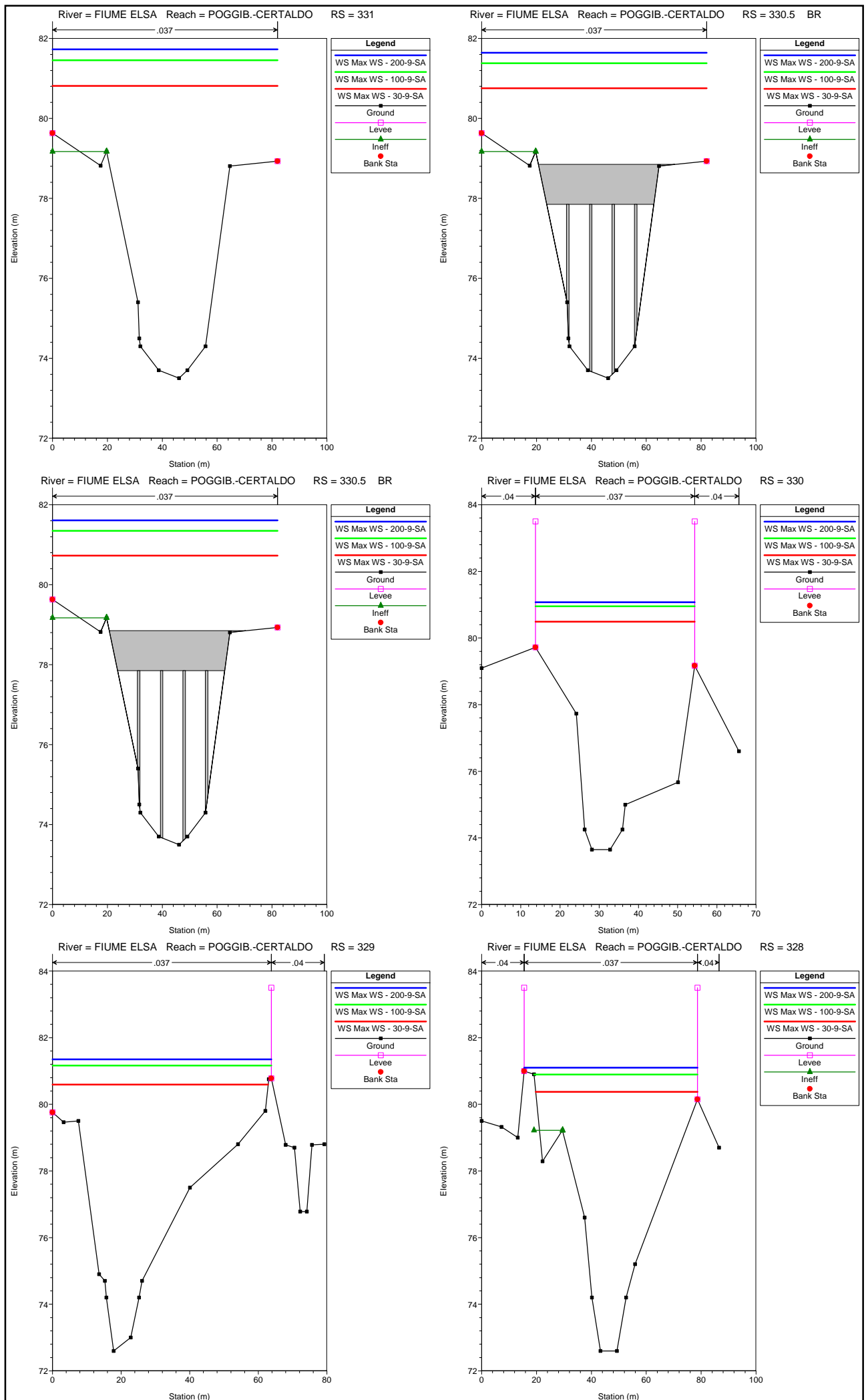


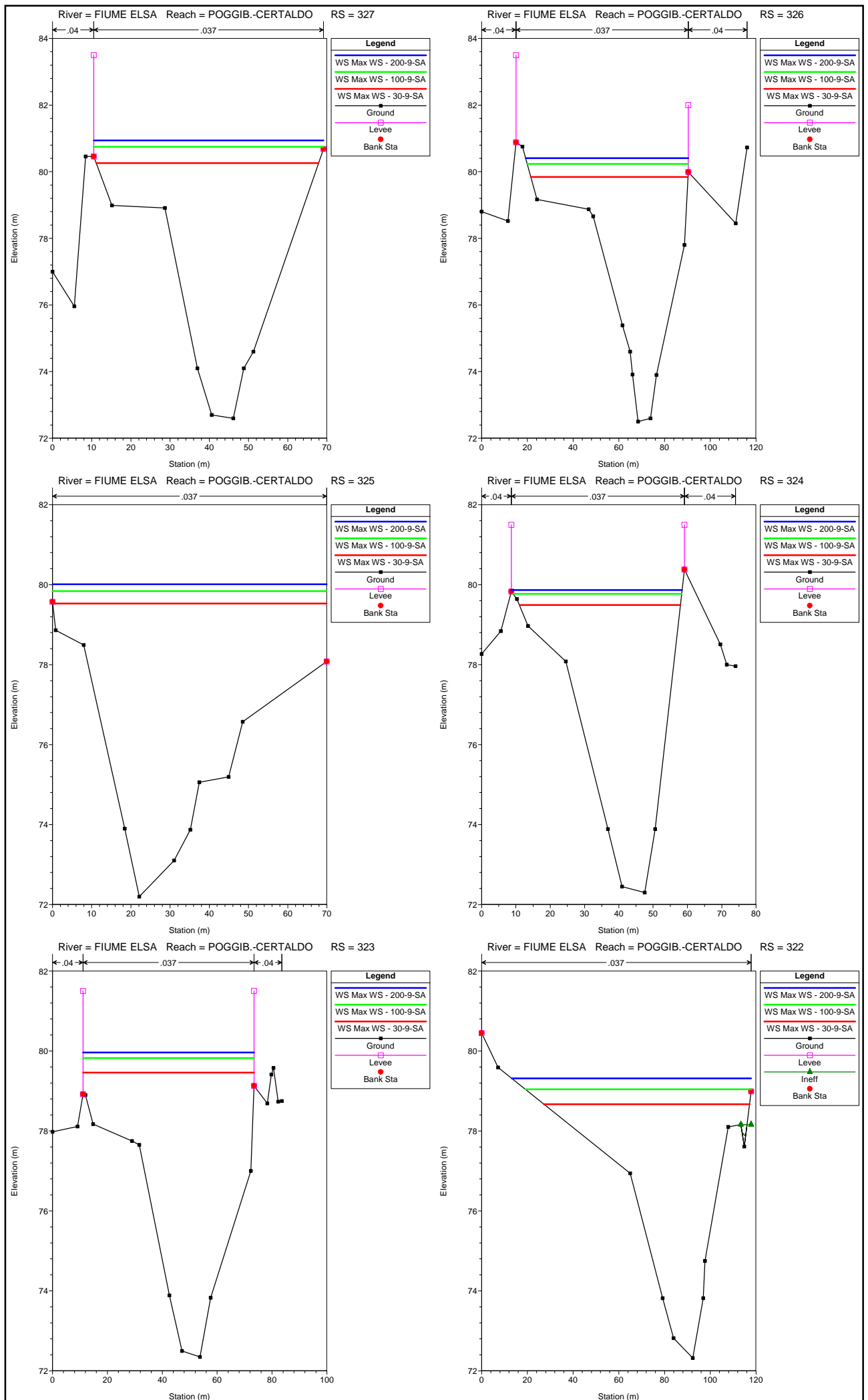


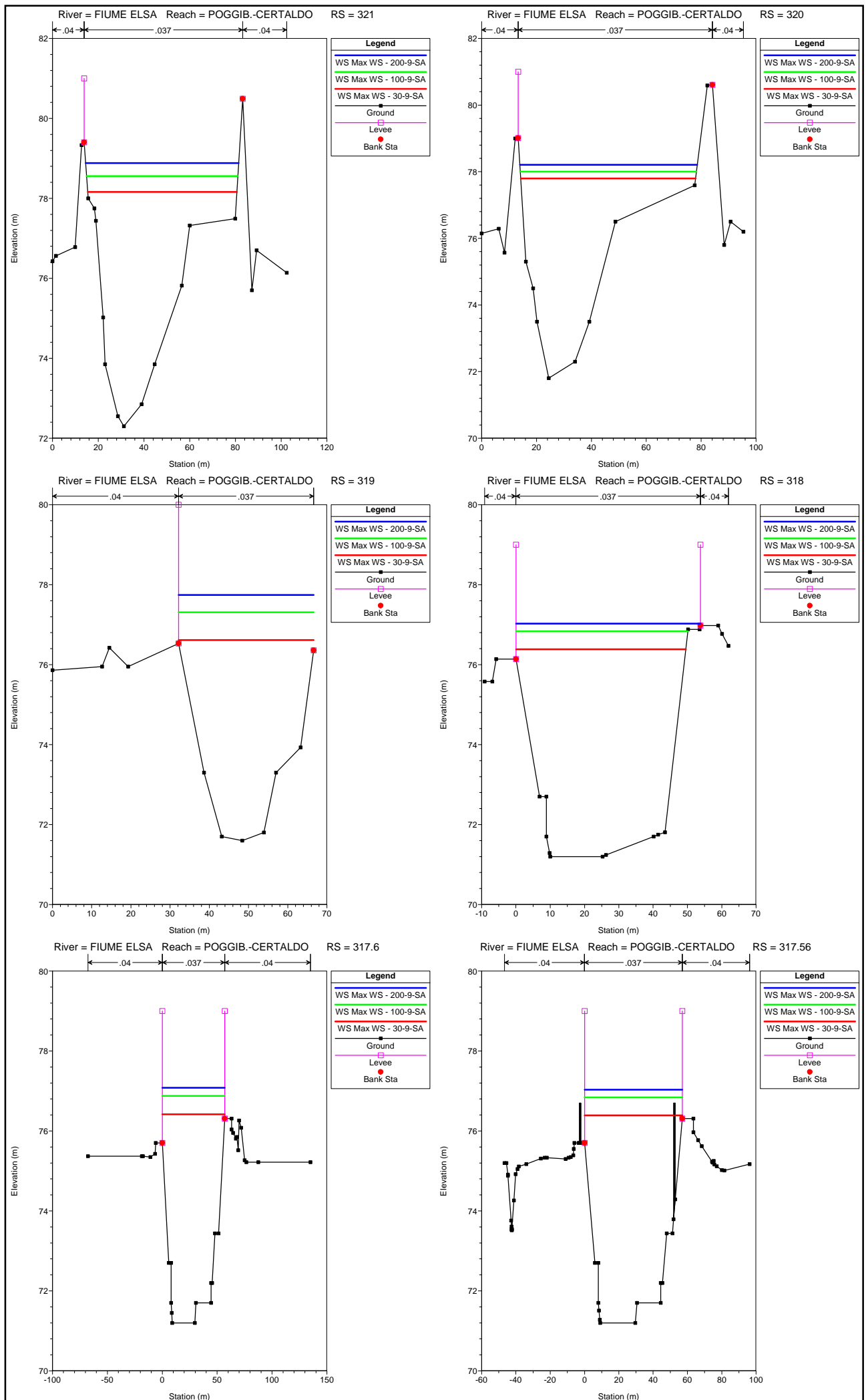


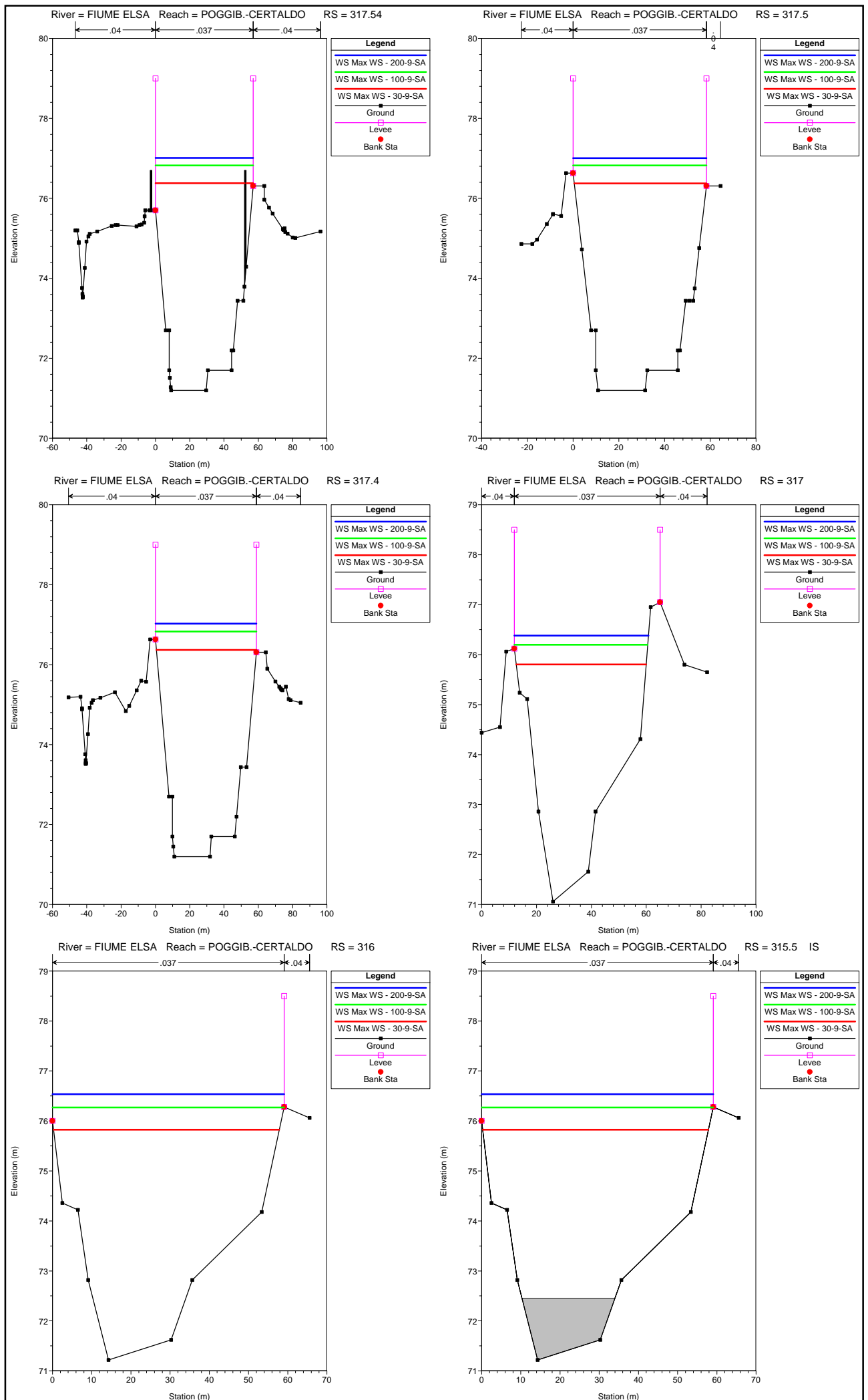


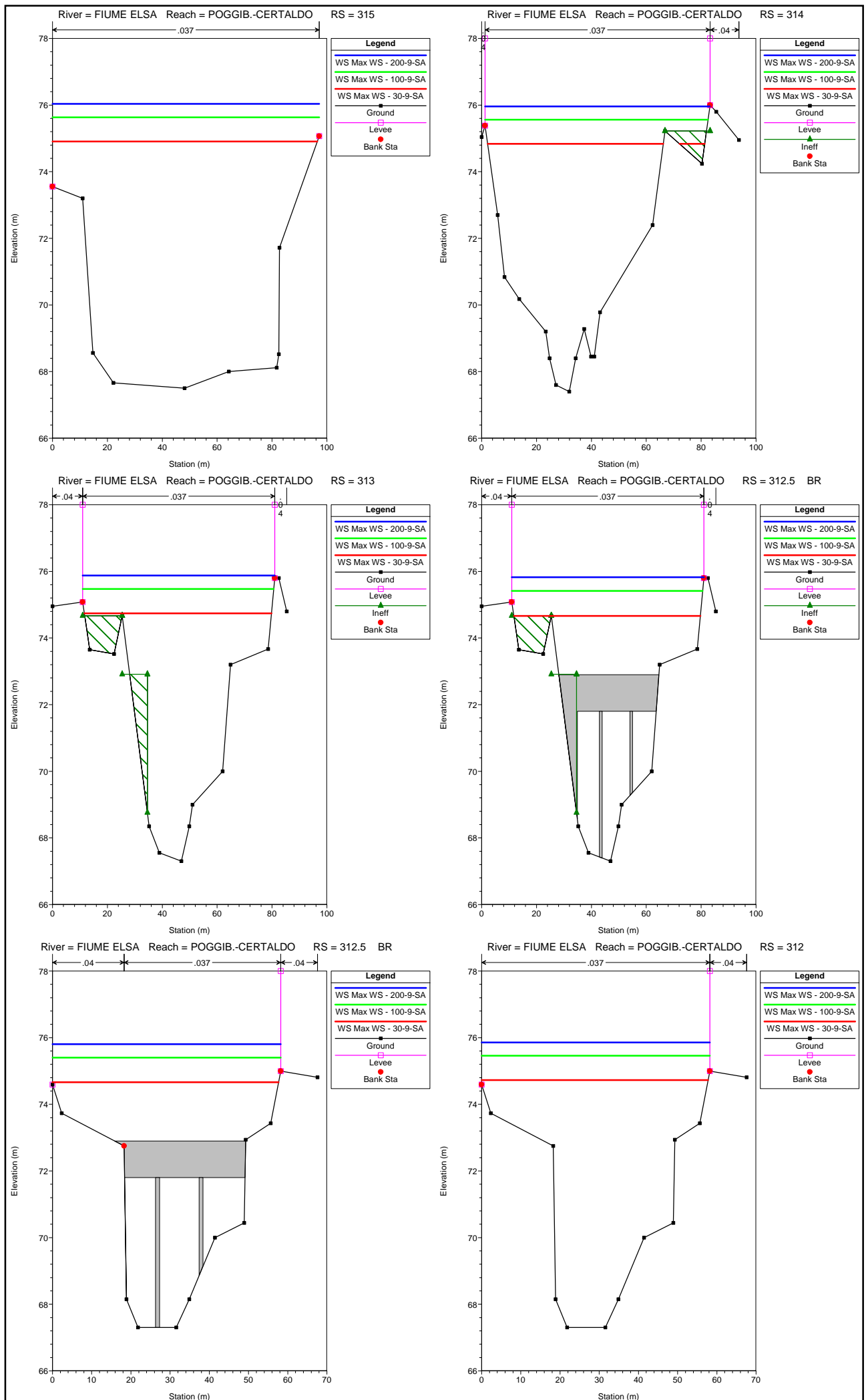












River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
DROVE	TATTERA	16	DB 200-1	95.79	117.93	119.87		120.14	0.007231	2.31	41.41	35.38	0.68
DROVE	TATTERA	16	DB 100-1	95.79	117.93	119.87		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 200-1	95.55	117.54	119.49		119.79	0.009751	2.45	39.03	38.71	0.78
DROVE	TATTERA	15	DB 100-1	95.69	117.54	119.49		119.79	0.009737	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 200-1	95.32	117.10	119.22		119.48	0.006739	2.26	42.18	35.36	0.66
DROVE	TATTERA	14	DB 100-1	95.61	117.10	119.22		119.48	0.006770	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 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	0.013523	2.43	35.86	45.50	0.87
DROVE	TATTERA	13	DB 30-1	56.39	116.23	118.40		118.68	0.016143	2.37	23.79	35.59	0.93
DROVE	TATTERA	12.9	DB 200-1	85.92	116.35	118.62		118.72	0.003401	1.39	61.91	65.15	0.45
DROVE	TATTERA	12.9	DB 100-1	85.92	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 200-1	95.76	116.35	118.31		118.58	0.014322	2.28	41.96	61.81	0.88
DROVE	TATTERA	12.1	DB 100-1	95.74	116.35	118.31		118.58	0.014317	2.28	41.96	61.81	0.88
DROVE	TATTERA	12.1	DB 30-1	56.39	116.35	118.04		118.26	0.016334	2.11	26.72	48.60	0.91
DROVE	TATTERA	11.9	DB 200-1	95.71	114.91	117.74		117.85	0.002959	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 200-1	95.70	114.91	117.20		117.52	0.012463	2.51	38.10	44.13	0.86
DROVE	TATTERA	11.1	DB 100-1	95.71	114.91	117.20		117.52	0.012466	2.51	38.10	44.13	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 200-1	95.61	110.17	112.81	112.74	113.32	0.013831	3.18	30.04	25.82	0.94
DROVE	TATTERA	10	DB 100-1	95.61	110.17	112.81	112.74	113.32	0.013831	3.18	30.04	25.82	0.94
DROVE	TATTERA	10	DB 30-1	56.36	110.17	112.37		112.76	0.012058	2.76	20.41	19.45	0.86
DROVE	TATTERA	9	DB 200-1	95.57	108.80	110.76		111.13	0.013117	2.69	35.50	38.02	0.89
DROVE	TATTERA	9	DB 100-1	95.58	108.80	110.76		111.13	0.013105	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 200-1	95.53	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	0.005761	1.90	50.19	49.07	0.60
DROVE	TATTERA	8	DB 30-1	56.34	107.28	109.48		109.62	0.006260	1.65	34.14	43.98	0.60
DROVE	TATTERA	7.9	DB 200-1	95.46	106.13	109.46		109.56	0.001898	1.51	71.30	63.14	0.36
DROVE	TATTERA	7.9	DB 100-1	95.51	106.13	109.46		109.56	0.001898	1.51	71.31	63.14	0.36
DROVE	TATTERA	7.9	DB 30-1	56.34	106.13	109.07		109.15	0.001924	1.30	46.77	62.36	0.35
DROVE	TATTERA	7.5		Culvert									
DROVE	TATTERA	7.1	DB 200-1	92.04	106.13	108.71		109.15	0.013930	2.95	31.16	28.95	0.91
DROVE	TATTERA	7.1	DB 100-1	91.70	106.13	108.70		109.15	0.014197	2.97	30.85	28.80	0.92
DROVE	TATTERA	7.1	DB 30-1	56.33	106.13	108.29	108.25	108.68	0.016205	2.77	20.31	23.22	0.95
DROVE	TATTERA	6.9	DB 200-1	95.49	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	95.50	105.40	108.61	107.82	108.68	0.001782	1.17	81.69	69.58	0.34
DROVE	TATTERA	6.9	DB 30-1	56.32	105.40	108.24	107.43	108.29	0.001916	1.00	56.39	63.81	0.34
DROVE	TATTERA	6.5		Bridge									
DROVE	TATTERA	6.1	DB 200-1	95.46	105.40	108.13		108.32	0.007723	1.92	49.66	59.74	0.67
DROVE	TATTERA	6.1	DB 100-1	95.49	105.40	108.14		108.33	0.007596	1.91	50.10	60.30	0.67
DROVE	TATTERA	6.1	DB 30-1	56.37	105.40	107.41	107.43	107.81	0.019381	2.81	20.06	26.76	1.04
DROVE	TATTERA	5	DB 200-1	95.46	104.52	107.52		108.09	0.009780	3.34	28.61	16.25	0.80
DROVE	TATTERA	5	DB 100-1	95.47	104.52	107.54		108.10	0.009538	3.31	28.86	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 200-1	95.45	103.89	107.32		107.48	0.002269	1.78	53.54	27.02	0.40
DROVE	TATTERA	4	DB 100-1	95.46	103.89	107.35		107.50	0.002173	1.76	54.34	27.14	0.40
DROVE	TATTERA	4	DB 30-1	56.14	103.89	106.47		106.63	0.003537	1.75	32.16	23.58	0.48
DROVE	TATTERA	3.9	DB 200-1	95.45	102.52	106.99	106.12	107.39	0.005729	2.81	33.99	13.57	0.57
DROVE	TATTERA	3.9	DB 100-1	95.45	102.52	107.03	106.12	107.42	0.005454	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									
DROVE	TATTERA	3.1	DB 200-1	95.42	102.52	106.49		107.11	0.010828	3.48	27.40	13.09	0.77
DROVE	TATTERA	3.1	DB 100-1	95.45	102.52	106.43		107.08	0.011917	3.60	26.54	13.03	0.80
DROVE	TATTERA	3.1	DB 30-1	58.28	102.52	105.79		106.30	0.013318	3.16	18.46	12.41	0.83
DROVE	TATTERA	2.9		Lat Struct									
DROVE	TATTERA	2.8		Lat Struct									
DROVE	TATTERA	2	DB 200-1	95.41	102.56	106.39		106.43	0.000398	0.93	102.31	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 200-1	95.41	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 200-1	95.41	102.12	106.36		106.42	0.000453	1.07	88.76	29.84	0.20

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	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 200-1	77.82	106.71	109.31	109.26	110.06	0.014287	3.82	20.38	12.52	0.95
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 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 200-1	77.60	104.67	108.04		108.31	0.004399	2.29	33.88	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 200-1	77.62	104.66	108.13	107.12	108.25	0.002295	1.55	50.01	33.03	0.40
DROVE	CINCIANO	12.9	DB 100-1	64.39	104.66	107.69	106.92	107.85	0.003500	1.75	36.75	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 200-1	77.60	104.66	107.97		108.12	0.003027	1.73	44.94	31.10	0.46
DROVE	CINCIANO	12.1	DB 100-1	64.39	104.66	107.62		107.80	0.004004	1.85	34.87	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 200-1	77.57	104.43	107.90		108.11	0.003268	2.05	37.89	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 200-1	77.53	104.21	107.62	106.83	108.07	0.006193	2.96	26.18	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 200-1	77.34	104.21	107.36		107.91	0.008361	3.29	23.53	10.13	0.69
DROVE	CINCIANO	10.1	DB 100-1	64.35	104.21	107.15		107.61	0.007686	3.02	21.33	10.05	0.66
DROVE	CINCIANO	10.1	DB 30-1	45.24	104.21	106.66		107.04	0.008105	2.75	16.47	9.90	0.68
DROVE	CINCIANO	10.09		Lat Struct									
DROVE	CINCIANO	9	DB 200-1	77.42	104.21	107.60		107.88	0.004210	2.37	32.72	16.26	0.53
DROVE	CINCIANO	9	DB 100-1	64.37	104.21	107.33		107.58	0.003409	2.22	28.99	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 200-1	74.38	103.05	107.33		107.56	0.003543	2.10	35.44	18.19	0.48
DROVE	CINCIANO	8	DB 100-1	64.37	103.05	106.97		107.22	0.004592	2.21	29.10	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 200-1	74.38	103.59	107.43	105.91	107.53	0.001198	1.41	53.32	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	44.53	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 200-1	74.38	103.59	107.36		107.46	0.001336	1.47	51.33	25.60	0.32
DROVE	CINCIANO	7.1	DB 100-1	64.37	103.59	107.05		107.16	0.001594	1.49	43.70	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 200-1	74.38	103.68	107.32	106.01	107.46	0.001756	1.68	44.33	19.05	0.35
DROVE	CINCIANO	6.9	DB 100-1	64.36	103.68	107.01	105.77	107.15	0.002001	1.67	38.61	18.80	0.37
DROVE	CINCIANO	6.9	DB 30-1	45.25	103.68	106.34	105.41	106.49	0.003276	1.73	26.18	18.25	0.46
DROVE	CINCIANO	6.5		Bridge									
DROVE	CINCIANO	6.1	DB 200-1	74.38	103.68	107.25		107.40	0.001905	1.72	43.16	19.00	0.37
DROVE	CINCIANO	6.1	DB 100-1	64.36	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 200-1	74.36	103.29	107.13		107.40	0.003557	2.30	32.30	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 200-1	70.27	102.83	107.05		107.28	0.003135	2.10	33.42	13.80	0.43
DROVE	CINCIANO	4	DB 100-1	63.74	102.83	106.70		106.96	0.004091	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 200-1	72.56	102.98	106.91	105.75	107.21	0.004363	2.42	29.96	13.71	0.52
DROVE	CINCIANO	3.9	DB 100-1	64.26	102.98	106.57	105.59	106.89	0.005078	2.53	25.45	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 200-1	72.56	102.98	106.13		106.76	0.010277	3.51	20.70	10.00	0.78
DROVE	CINCIANO	3.1	DB 100-1	64.08	102.98	106.06		106.58	0.008821	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 200-1	72.57	102.49	106.38		106.46	0.000856	1.25	58.03	23.52	0.25
DROVE	CINCIANO	2	DB 100-1	64.11	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

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	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	64.11	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	0.000801	1.03	43.05	22.57	0.24
DROVE	CINCIANO	0.6	DB 200-1	72.47	102.03	106.33		106.39	0.000608	1.00	66.29	26.32	0.21
DROVE	CINCIANO	0.6	DB 100-1	64.12	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 200-1	72.47	102.03	106.33		106.39	0.000608	1.00	66.27	26.32	0.21
DROVE	CINCIANO	0.5	DB 100-1	64.12	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 200-1	167.78	101.77	105.53		106.27	0.009324	3.81	44.04	19.81	0.82
DROVE	VALLE	17.5	DB 100-1	159.22	101.77	105.46		106.17	0.009281	3.74	42.54	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 200-1	167.78	101.77	105.51		106.27	0.009598	3.85	43.60	19.76	0.83
DROVE	VALLE	17.49	DB 100-1	159.22	101.77	105.44		106.16	0.009530	3.78	42.14	19.57	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 200-1	163.06	100.53	104.50		105.02	0.006936	3.21	51.93	29.18	0.71
DROVE	VALLE	17	DB 100-1	157.95	100.53	104.40		104.95	0.007697	3.28	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 200-1	151.37	100.00	104.48		104.82	0.003968	2.57	58.91	25.20	0.54
DROVE	VALLE	16.6	DB 100-1	140.54	100.00	104.32		104.66	0.004265	2.56	54.89	25.20	0.55
DROVE	VALLE	16.6	DB 30-1	94.78	100.00	103.73		104.02	0.004945	2.36	40.08	24.06	0.58
DROVE	VALLE	16.5*	DB 200-1	148.67	100.00	104.48		104.80	0.003859	2.53	58.76	25.20	0.53
DROVE	VALLE	16.5*	DB 100-1	138.73	100.00	104.31		104.64	0.004257	2.55	54.46	25.20	0.55
DROVE	VALLE	16.5*	DB 30-1	94.37	100.00	103.70		103.99	0.005141	2.41	39.16	23.54	0.60
DROVE	VALLE	16	DB 200-1	145.82	99.47	104.23		104.52	0.002891	2.39	61.12	21.21	0.45
DROVE	VALLE	16	DB 100-1	137.21	99.47	104.09		104.37	0.002960	2.35	58.27	21.21	0.45
DROVE	VALLE	16	DB 30-1	96.14	99.47	103.57		103.78	0.002757	2.03	47.30	21.21	0.43
DROVE	VALLE	15.9		Lat Struct									
DROVE	VALLE	15	DB 200-1	174.64	98.80	103.71		104.19	0.004753	3.07	56.87	20.43	0.59
DROVE	VALLE	15	DB 100-1	168.06	98.80	103.51		104.03	0.005500	3.18	52.84	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
DROVE	VALLE	14	DB 200-1	179.23	98.44	103.06		103.73	0.006870	3.63	49.41	18.08	0.70
DROVE	VALLE	14	DB 100-1	167.64	98.44	102.84		103.53	0.007636	3.69	45.48	17.79	0.74
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 200-1	201.50	97.60	102.05		102.65	0.007424	3.44	58.61	26.71	0.74
DROVE	VALLE	13	DB 100-1	181.81	97.60	101.97		102.50	0.006707	3.21	56.64	26.60	0.70
DROVE	VALLE	13	DB 30-1	125.37	97.60	101.60		101.96	0.005351	2.66	47.07	24.95	0.62
DROVE	VALLE	12.9		Lat Struct									
DROVE	VALLE	12.8		Lat Struct									
DROVE	VALLE	12	DB 200-1	183.90	96.99	101.45		101.78	0.004529	2.71	72.75	40.01	0.56
DROVE	VALLE	12	DB 100-1	169.81	96.99	101.34		101.66	0.004669	2.67	68.40	39.88	0.57
DROVE	VALLE	12	DB 30-1	115.89	96.99	100.88		101.17	0.005518	2.53	50.25	39.35	0.60
DROVE	VALLE	11.9		Lat Struct									
DROVE	VALLE	11	DB 200-1	205.49	96.19	100.74		101.21	0.006310	3.12	69.74	41.26	0.67
DROVE	VALLE	11	DB 100-1	189.40	96.19	100.61		101.08	0.006695	3.10	64.49	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 200-1	204.46	95.83	100.13	100.15	100.83	0.008739	4.00	59.15	39.27	0.79
DROVE	VALLE	10	DB 100-1	188.60	95.83	100.01	100.07	100.73	0.009223	4.02	54.45	38.99	0.80
DROVE	VALLE	10	DB 30-1	126.23	95.83	99.51	99.67	100.26	0.010679	3.87	35.44	37.36	0.84
DROVE	VALLE	9	DB 200-1	219.36	95.07	99.67		99.82	0.001400	1.77	135.59	77.39	0.35
DROVE	VALLE	9	DB 100-1	195.98	95.07	99.45		99.60	0.001569	1.77	119.51	70.53	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 200-1	219.34	93.00	99.39		99.67	0.001854	2.40	97.46	33.48	0.35
DROVE	VALLE	8	DB 100-1	195.80	93.00	99.19		99.45	0.001736	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 200-1	214.76	92.80	96.93		97.91	0.011434	4.37	49.12	21.61	0.93
DROVE	VALLE	7	DB 100-1	193.57	92.80	96.79		97.69	0.011065	4.21	46.02	20.94	0.91
DROVE	VALLE	7	DB 30-1	125.64	92.80	96.23		96.88	0.009622	3.58	35.12	18.39	0.83
DROVE	VALLE	6.8		Lat Struct									
DROVE	VALLE	6	DB 200-1	195.87	92.00	96.32		96.74	0.004121	2.89	67.77	25.23	0.56
DROVE	VALLE	6	DB 100-1	181.33	92.00	96.23		96.62	0.003932	2.77	65.44	25.23	0.55
DROVE	VALLE	6	DB 30-1	124.95	92.00	95.73		96.01	0.003551	2.36	52.95	24.72	0.51
DROVE	VALLE	5	DB 200-1	171.30	91.50	95.75		96.51	0.007524	3.89	45.33	20.49	0.74

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	5	DB 100-1	163.13	91.50	95.64		96.39	0.007784	3.87	43.14	19.75	0.75
DROVE	VALLE	5	DB 30-1	124.84	91.50	94.94		95.76	0.011636	4.02	31.04	15.10	0.90
DROVE	VALLE	4.1	DB 200-1	198.11	91.00	95.73	93.93	95.92	0.001469	1.97	105.54	40.33	0.35
DROVE	VALLE	4.1	DB 100-1	188.56	91.00	95.60	93.86	95.79	0.001550	1.97	100.12	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 200-1	17.97	91.00	95.09		95.09	0.000026	0.23	79.95	39.40	0.05
DROVE	VALLE	4	DB 100-1	188.45	91.00	94.95		95.29	0.003452	2.57	74.45	37.98	0.52
DROVE	VALLE	4	DB 30-1	125.83	91.00	94.43		94.66	0.002844	2.15	58.60	26.38	0.46
DROVE	VALLE	3	DB 200-1	17.97	91.10	95.09		95.09	0.000035	0.24	74.44	33.55	0.05
DROVE	VALLE	3	DB 100-1	188.35	91.10	94.85		95.26	0.005344	2.83	66.47	32.66	0.63
DROVE	VALLE	3	DB 30-1	125.29	91.10	94.33		94.64	0.004602	2.46	50.89	27.49	0.58
DROVE	VALLE	2.9		Lat Struct									
DROVE	VALLE	2	DB 200-1	17.96	90.55	95.09		95.09	0.000019	0.23	81.97	29.49	0.04
DROVE	VALLE	2	DB 100-1	163.72	90.55	94.68		94.97	0.002576	2.46	70.10	28.39	0.46
DROVE	VALLE	2	DB 30-1	125.28	90.55	94.19		94.45	0.002931	2.32	56.43	27.08	0.48
DROVE	VALLE	1.1	DB 200-1	17.95	89.30	95.09		95.09	0.000003	0.10	183.98	54.86	0.02
DROVE	VALLE	1.1	DB 100-1	161.66	89.30	94.79		94.84	0.000344	0.96	167.72	53.70	0.17
DROVE	VALLE	1.1	DB 30-1	125.25	89.30	94.27		94.31	0.000354	0.89	140.33	51.67	0.17
DROVE	VALLE	1	DB 200-1	17.95	89.30	95.09	90.56	95.09	0.000003	0.10	183.98	54.86	0.02
DROVE	VALLE	1	DB 100-1	161.64	89.30	94.79	92.34	94.84	0.000344	0.96	167.70	53.69	0.17
DROVE	VALLE	1	DB 30-1	125.25	89.30	94.27	92.14	94.31	0.000354	0.89	140.31	51.67	0.17
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
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 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	0.014221	3.07	13.34	21.14	1.03
BOZZONE	BOZZONE	80	DB 200-1	53.87	114.54	117.61	117.58	118.03	0.007753	3.12	23.08	28.60	0.78
BOZZONE	BOZZONE	80	DB 100-1	48.57	114.54	117.42	117.50	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	0.010392	3.29	13.33	18.21	0.87
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 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 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 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 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 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 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	30.89	112.38	115.17		115.34	0.002755	1.83	16.84	10.77	0.47
BOZZONE	BOZZONE	60	DB 200-1	44.63	111.54	114.77		114.98	0.002834	2.42	30.27	30.01	0.47
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	30.47	111.54	114.70		114.81	0.001520	1.74	28.30	28.81	0.34
BOZZONE	BOZZONE	59		Culvert									
BOZZONE	BOZZONE	58	DB 200-1	53.50	111.54	114.35	114.52	115.05	0.010204	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	114.14	114.65	0.009746	3.65	13.45	16.90	0.82
BOZZONE	BOZZONE	50	DB 200-1	54.51	109.61	112.63		112.69	0.001373	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	37.70	109.61	112.37		112.43	0.001341	1.33	44.81	50.20	0.32
BOZZONE	BOZZONE	48	DB 200-1	54.51	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	37.70	109.61	112.37		112.43	0.001351	1.33	44.69	50.15	0.33
BOZZONE	BOZZONE	45		Culvert									
BOZZONE	BOZZONE	42	DB 200-1	54.51	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	37.70	109.57	112.36		112.41	0.001103	1.20	50.86	59.55	0.30
BOZZONE	BOZZONE	40	DB 200-1	54.52	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	37.71	109.57	112.36		112.41	0.001112	1.20	50.71	59.50	0.31

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	20	DB 200-1	54.75	109.82	112.27	112.23	112.76	0.006855	3.20	20.84	23.37	0.77
BOZZONE	BOZZONE	20	DB 100-1	48.42	109.82	112.20	112.10	112.63	0.006379	3.00	19.21	22.80	0.74
BOZZONE	BOZZONE	20	DB 30-1	37.80	109.82	112.07		112.41	0.005463	2.63	16.28	20.67	0.68
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	48.57	109.53	112.02		112.16	0.001889	1.92	35.49	34.02	0.45
BOZZONE	BOZZONE	16	DB 30-1	37.97	109.53	111.94		112.04	0.001446	1.63	32.70	33.91	0.39
BOZZONE	BOZZONE	15	DB 200-1	55.33	109.47	111.94		112.14	0.002982	2.25	30.13	30.23	0.54
BOZZONE	BOZZONE	15	DB 100-1	48.67	109.47	111.90		112.07	0.002590	2.07	28.91	30.16	0.50
BOZZONE	BOZZONE	15	DB 30-1	38.02	109.47	111.86		111.98	0.001773	1.70	27.72	30.10	0.42
BOZZONE	BOZZONE	14	DB 200-1	55.52	109.17	111.97		112.06	0.001238	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
BOZZONE	BOZZONE	14	DB 30-1	38.11	109.17	111.87		111.93	0.000755	1.20	40.60	42.09	0.28
BOZZONE	BOZZONE	13	DB 200-1	55.67	109.15	111.57	111.66	112.04	0.026900	2.91	18.43	27.74	0.62
BOZZONE	BOZZONE	13	DB 100-1	48.95	109.15	111.50	111.59	111.95	0.028274	2.87	16.59	26.29	0.61
BOZZONE	BOZZONE	13	DB 30-1	38.19	109.15	111.35	111.46	111.80	0.036310	2.97	12.86	23.09	0.64
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	0.015631	4.00	9.56	7.24	1.11
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	109.76	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	0.009677	3.25	11.80	8.61	0.89
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	80.19	66.20	0.15
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 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 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	0.17
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 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	0.009458	3.26	10.23	7.11	0.87
BOZZONE	BOZZONE	8.9		Lat Struct									
BOZZONE	BOZZONE	8.8		Lat Struct									
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	0.004464	2.64	18.94	15.79	0.61
BOZZONE	BOZZONE	8	DB 30-1	33.39	105.57	108.18		108.45	0.004164	2.43	16.12	15.31	0.58
BOZZONE	BOZZONE	7	DB 200-1	47.82	105.19	108.15	108.24	108.99	0.015559	4.08	11.73	8.15	1.08
BOZZONE	BOZZONE	7	DB 100-1	42.24	105.19	108.05	108.10	108.81	0.014630	3.87	10.92	7.81	1.04
BOZZONE	BOZZONE	7	DB 30-1	33.57	105.19	107.85	107.82	108.49	0.013421	3.55	9.46	7.16	0.98
BOZZONE	BOZZONE	6.5	DB 200-1	48.06	104.67	107.76		108.20	0.007403	2.92	16.45	11.64	0.78
BOZZONE	BOZZONE	6.5	DB 100-1	42.41	104.67	107.69		108.06	0.006691	2.72	15.59	11.37	0.74
BOZZONE	BOZZONE	6.5	DB 30-1	33.66	104.67	107.56		107.85	0.005509	2.38	14.16	10.92	0.67
BOZZONE	BOZZONE	6	DB 200-1	47.22	104.68	107.55	107.47	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	0.007927	3.42	13.00	9.86	0.82
BOZZONE	BOZZONE	6	DB 30-1	33.43	104.68	107.32		107.78	0.006893	3.01	11.64	8.90	0.76
BOZZONE	BOZZONE	5.5	DB 200-1	41.05	104.52	107.38		107.77	0.006549	2.78	14.78	10.29	0.74
BOZZONE	BOZZONE	5.5	DB 100-1	36.52	104.52	107.37		107.69	0.005252	2.48	14.71	10.28	0.66
BOZZONE	BOZZONE	5.5	DB 30-1	31.41	104.52	107.30		107.56	0.004475	2.24	14.01	10.18	0.61
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	36.77	104.36	107.15		107.84	0.011859	3.67	10.03	6.09	0.91
BOZZONE	BOZZONE	5	DB 30-1	30.62	104.36	107.01		107.58	0.010520	3.34	9.16	5.95	0.86
BOZZONE	BOZZONE	4.7	DB 200-1	34.76	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	34.00	104.06	106.68	106.67	107.27	0.010527	3.41	10.42	9.57	0.90
BOZZONE	BOZZONE	4.7	DB 30-1	27.72	104.06	106.55	106.40	107.04	0.009630	3.11	9.10	9.39	0.85
BOZZONE	BOZZONE	4.4	DB 200-1	38.07	103.85	106.53		106.88	0.006385	2.82	15.69	14.22	0.74
BOZZONE	BOZZONE	4.4	DB 100-1	35.46	103.85	106.46		106.81	0.006514	2.79	14.77	14.11	0.74
BOZZONE	BOZZONE	4.4	DB 30-1	28.23	103.85	106.30		106.62	0.006356	2.61	12.50	13.85	0.72
BOZZONE	BOZZONE	4	DB 200-1	42.90	103.53	106.36	106.47	107.07	0.011622	3.85	12.50	11.13	0.95
BOZZONE	BOZZONE	4	DB 100-1	38.82	103.53	106.30	106.37	106.94	0.010853	3.66	11.84	11.07	0.91
BOZZONE	BOZZONE	4	DB 30-1	30.36	103.53	106.15	106.15	106.67	0.009422	3.25	10.17	10.92	0.84
BOZZONE	BOZZONE	3	DB 200-1	49.81	103.56	106.24	105.58	106.45	0.002188	2.16	26.96	17.71	0.46
BOZZONE	BOZZONE	3	DB 100-1	44.16	103.56	106.19	105.47	106.37	0.001882	1.98	26.07	17.37	0.42
BOZZONE	BOZZONE	3	DB 30-1	34.35	103.56	106.06	105.11	106.19	0.001449	1.66	23.85	16.46	0.37
BOZZONE	BOZZONE	2.5		Bridge									
BOZZONE	BOZZONE	2	DB 200-1	49.80	103.26	106.16		106.38	0.002394	2.20	26.88	19.30	0.48
BOZZONE	BOZZONE	2	DB 100-1	44.16	103.26	106.12		106.30	0.002035	2.00	26.08	19.30	0.44
BOZZONE	BOZZONE	2	DB 30-1	34.35	103.26	106.02		106.15	0.001510	1.67	24.04	19.30	0.37

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	1	DB 200-1	49.80	102.96	105.98	105.97	106.75	0.013316	3.88	12.83	8.19	0.99
BOZZONE	BOZZONE	1	DB 100-1	43.99	102.96	105.86	105.83	106.56	0.012924	3.71	11.86	7.98	0.97
BOZZONE	BOZZONE	1	DB 30-1	34.45	102.96	105.68		106.23	0.011304	3.30	10.44	7.68	0.90
BOZZONE	BOZZONE	0.99		Lat Struct									
BOZZONE	BOZZONE	.9*	DB 200-1	45.41	102.68	105.53	105.51	106.23	0.012769	3.70	12.29	8.50	0.98
BOZZONE	BOZZONE	.9*	DB 100-1	41.14	102.68	105.45	105.41	106.09	0.012423	3.56	11.57	8.36	0.96
BOZZONE	BOZZONE	.9*	DB 30-1	33.60	102.68	105.31		105.84	0.011151	3.22	10.42	8.14	0.91
BOZZONE	BOZZONE	.8*	DB 200-1	42.07	102.39	105.12	105.08	105.75	0.012231	3.53	11.93	8.83	0.97
BOZZONE	BOZZONE	.8*	DB 100-1	38.84	102.39	105.05	105.01	105.65	0.012005	3.42	11.36	8.73	0.96
BOZZONE	BOZZONE	.8*	DB 30-1	32.81	102.39	104.94		105.45	0.011198	3.17	10.36	8.56	0.92
BOZZONE	BOZZONE	.7*	DB 200-1	38.91	102.11	104.78		105.29	0.010020	3.18	12.24	9.29	0.88
BOZZONE	BOZZONE	.7*	DB 100-1	36.49	102.11	104.72		105.22	0.009927	3.11	11.75	9.20	0.88
BOZZONE	BOZZONE	.7*	DB 30-1	31.90	102.11	104.60		105.06	0.010074	2.99	10.65	9.00	0.88
BOZZONE	BOZZONE	.6*	DB 200-1	38.91	101.82	104.51		104.95	0.007917	2.92	13.41	11.26	0.79
BOZZONE	BOZZONE	.6*	DB 100-1	36.48	101.82	104.46		104.88	0.007890	2.85	12.83	10.88	0.79
BOZZONE	BOZZONE	.6*	DB 30-1	31.89	101.82	104.23		104.69	0.010575	3.01	10.60	9.36	0.90
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 200-4	115.38	117.93	120.00		120.32	0.007494	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 200-4	115.35	117.54	119.63		119.97	0.009515	2.58	44.63	40.06	0.78
DROVE	TATTERA	15	DB 100-4	98.89	117.54	119.51		119.82	0.009705	2.47	40.00	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 200-4	115.35	117.10	119.35		119.66	0.007183	2.47	46.63	35.76	0.69
DROVE	TATTERA	14	DB 100-4	98.76	117.10	119.24		119.51	0.006833	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 200-4	115.40	116.23	118.79	118.79	119.21	0.017293	2.85	40.49	48.77	1.00
DROVE	TATTERA	13	DB 100-4	88.10	116.23	118.70		119.00	0.013431	2.43	36.24	45.77	0.87
DROVE	TATTERA	13	DB 30-4	74.32	116.23	118.55		118.87	0.015810	2.49	29.80	40.83	0.93
DROVE	TATTERA	12.9	DB 200-4	115.40	116.35	118.69		118.85	0.004884	1.73	66.55	65.74	0.55
DROVE	TATTERA	12.9	DB 100-4	86.70	116.35	118.63		118.73	0.003363	1.39	62.48	65.23	0.45
DROVE	TATTERA	12.9	DB 30-4	74.32	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 200-4	115.40	116.35	118.42		118.70	0.013199	2.37	48.62	63.44	0.87
DROVE	TATTERA	12.1	DB 100-4	99.04	116.35	118.33		118.60	0.014161	2.29	43.22	62.72	0.88
DROVE	TATTERA	12.1	DB 30-4	74.31	116.35	118.17		118.42	0.015281	2.20	33.76	54.98	0.90
DROVE	TATTERA	11.9	DB 200-4	115.29	114.91	117.88		118.00	0.003002	1.56	73.93	60.16	0.45
DROVE	TATTERA	11.9	DB 100-4	98.97	114.91	117.76		117.87	0.002983	1.48	67.09	59.21	0.44
DROVE	TATTERA	11.9	DB 30-4	73.55	114.91	117.56		117.64	0.002729	1.33	55.36	53.43	0.42
DROVE	TATTERA	11.5		Culvert									
DROVE	TATTERA	11.1	DB 200-4	118.93	114.91	117.36		117.71	0.012153	2.63	45.30	48.23	0.86
DROVE	TATTERA	11.1	DB 100-4	98.98	114.91	117.23		117.55	0.012329	2.52	39.24	44.80	0.86
DROVE	TATTERA	11.1	DB 30-4	73.92	114.91	117.03		117.32	0.012796	2.38	31.04	39.70	0.86
DROVE	TATTERA	10	DB 200-4	116.54	110.17	112.99	112.95	113.55	0.014573	3.31	35.24	29.86	0.97
DROVE	TATTERA	10	DB 100-4	98.97	110.17	112.84	112.78	113.36	0.014016	3.21	30.85	26.49	0.95
DROVE	TATTERA	10	DB 30-4	73.56	110.17	112.60		113.04	0.012225	2.93	25.10	22.17	0.88
DROVE	TATTERA	9	DB 200-4	115.38	108.80	110.89		111.31	0.012721	2.86	40.38	38.61	0.89
DROVE	TATTERA	9	DB 100-4	98.96	108.80	110.79		111.16	0.012985	2.72	36.41	38.13	0.89
DROVE	TATTERA	9	DB 30-4	72.75	108.80	110.64		110.92	0.011774	2.35	30.94	37.46	0.83
DROVE	TATTERA	8	DB 200-4	115.38	107.28	109.96		110.17	0.006056	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	68.51	107.28	109.70		109.83	0.004265	1.55	44.33	47.27	0.51
DROVE	TATTERA	7.9	DB 200-4	115.37	106.13	109.57		109.70	0.002104	1.66	78.56	63.33	0.38
DROVE	TATTERA	7.9	DB 100-4	98.94	106.13	109.44		109.56	0.002113	1.59	70.39	63.12	0.38
DROVE	TATTERA	7.9	DB 30-4	70.50	106.13	109.26		109.35	0.001741	1.35	58.78	62.81	0.34
DROVE	TATTERA	7.5		Culvert									
DROVE	TATTERA	7.1	DB 200-4	115.38	106.13	108.92	108.82	109.39	0.012174	3.06	38.78	46.35	0.87
DROVE	TATTERA	7.1	DB 100-4	98.94	106.13	108.78		109.23	0.013415	2.97	33.31	30.91	0.90
DROVE	TATTERA	7.1	DB 30-4	84.23	106.13	108.60	108.54	109.06	0.015379	3.00	28.07	27.44	0.95
DROVE	TATTERA	6.9	DB 200-4	115.38	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	98.94	105.40	108.64	107.85	108.71	0.001756	1.18	83.83	69.64	0.34
DROVE	TATTERA	6.9	DB 30-4	80.77	105.40	108.53	107.70	108.59	0.001634	1.07	75.78	69.39	0.32
DROVE	TATTERA	6.5		Bridge									
DROVE	TATTERA	6.1	DB 200-4	115.35	105.40	108.41		108.56	0.004882	1.71	67.52	69.07	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	79.22	105.40	107.86		108.11	0.011220	2.24	35.38	44.51	0.80
DROVE	TATTERA	5	DB 200-4	112.49	104.52	107.80		108.38	0.008858	3.39	33.14	16.78	0.77
DROVE	TATTERA	5	DB 100-4	98.93	104.52	107.57		108.15	0.009658	3.36	29.44	16.34	0.80
DROVE	TATTERA	5	DB 30-4	79.06	104.52	107.25		107.79	0.010659	3.25	24.30	15.33	0.82
DROVE	TATTERA	4.9		Lat Struct									
DROVE	TATTERA	4	DB 200-4	112.14	103.89	107.68		107.84	0.001902	1.76	63.58	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	77.53	103.89	106.98		107.13	0.002565	1.74	44.54	25.63	0.42
DROVE	TATTERA	3.9	DB 200-4	113.23	102.52	107.31	106.36	107.75	0.005631	2.95	38.43	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	77.40	102.52	106.70	105.89	107.03	0.005386	2.57	30.11	13.29	0.55
DROVE	TATTERA	3.5		Bridge									
DROVE	TATTERA	3.1	DB 200-4	113.01	102.52	106.73		107.43	0.010954	3.69	30.59	13.33	0.78
DROVE	TATTERA	3.1	DB 100-4	98.85	102.52	106.57		107.19	0.010357	3.47	28.48	13.17	0.75
DROVE	TATTERA	3.1	DB 30-4	77.31	102.52	106.14		106.72	0.012217	3.38	22.87	12.75	0.81
DROVE	TATTERA	2.9		Lat Struct									
DROVE	TATTERA	2.8		Lat Struct									
DROVE	TATTERA	2	DB 200-4	112.98	102.56	106.67		106.72	0.000413	1.00	113.08	39.29	0.19
DROVE	TATTERA	2	DB 100-4	98.85	102.56	106.49		106.54	0.000380	0.93	106.33	38.69	0.18
DROVE	TATTERA	2	DB 30-4	75.51	102.56	105.95		105.99	0.000435	0.88	85.86	37.70	0.19
DROVE	TATTERA	1.1	DB 200-4	112.58	102.12	106.63		106.70	0.000482	1.15	96.97	30.00	0.20
DROVE	TATTERA	1.1	DB 100-4	98.85	102.12	106.46		106.52	0.000439	1.07	91.89	30.00	0.19
DROVE	TATTERA	1.1	DB 30-4	75.49	102.12	105.93		105.98	0.000449	1.00	76.13	29.06	0.19
DROVE	TATTERA	1	DB 200-4	112.58	102.12	106.63		106.70	0.000483	1.15	96.95	30.00	0.20

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	1	DB 100-4	98.85	102.12	106.46		106.52	0.000439	1.07	91.88	30.00	0.19
DROVE	TATTERA	1	DB 30-4	75.49	102.12	105.93		105.98	0.000449	1.00	76.11	29.06	0.19
DROVE	CINCIANO	15	DB 200-4	98.71	106.71	109.64		110.46	0.013408	4.00	24.66	13.34	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	59.89	106.71	109.03	108.97	109.67	0.014494	3.55	16.88	11.80	0.95
DROVE	CINCIANO	14	DB 200-4	98.27	105.91	109.11		109.37	0.006671	2.26	43.52	34.84	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	59.87	105.91	108.21		108.58	0.009462	2.69	22.22	17.01	0.75
DROVE	CINCIANO	13.9		Lat Struct									
DROVE	CINCIANO	13	DB 200-4	98.35	104.67	108.67		108.89	0.002851	2.12	46.38	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	59.81	104.67	107.52		107.82	0.005620	2.42	24.75	15.40	0.61
DROVE	CINCIANO	12.9	DB 200-4	98.33	104.66	108.76	107.37	108.85	0.001355	1.34	73.35	40.74	0.32
DROVE	CINCIANO	12.9	DB 100-4	82.66	104.66	108.28	107.20	108.39	0.002028	1.50	55.05	34.84	0.38
DROVE	CINCIANO	12.9	DB 30-4	59.71	104.66	107.58	106.85	107.74	0.003768	1.77	33.66	26.31	0.50
DROVE	CINCIANO	12.5		Bridge									
DROVE	CINCIANO	12.1	DB 200-4	98.32	104.66	108.48		108.61	0.002063	1.57	62.47	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	59.71	104.66	107.50		107.68	0.004391	1.88	31.70	25.38	0.54
DROVE	CINCIANO	11	DB 200-4	98.31	104.43	108.40		108.60	0.003067	1.98	49.55	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	59.70	104.43	107.48		107.67	0.002640	1.95	30.64	14.41	0.43
DROVE	CINCIANO	10.9	DB 200-4	98.32	104.21	108.04	107.16	108.57	0.006489	3.23	30.47	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	59.67	104.21	107.28	106.53	107.63	0.005547	2.63	22.66	10.10	0.56
DROVE	CINCIANO	10.5		Bridge									
DROVE	CINCIANO	10.1	DB 200-4	98.32	104.21	107.46		108.28	0.011994	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	59.67	104.21	107.07		107.50	0.007293	2.89	20.62	10.03	0.64
DROVE	CINCIANO	10.09		Lat Struct									
DROVE	CINCIANO	9	DB 200-4	98.32	104.21	107.80		108.18	0.005334	2.71	36.27	17.66	0.60
DROVE	CINCIANO	9	DB 100-4	82.65	104.21	107.64		107.95	0.004806	2.47	33.42	17.27	0.57
DROVE	CINCIANO	9	DB 30-4	59.65	104.21	107.25		107.48	0.003285	2.14	27.82	13.16	0.47
DROVE	CINCIANO	8	DB 200-4	86.39	103.05	107.63		107.86	0.003173	2.10	41.12	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	59.67	103.05	106.87		107.11	0.004667	2.18	27.40	16.58	0.54
DROVE	CINCIANO	7.9	DB 200-4	86.39	103.59	107.74	106.11	107.84	0.001079	1.43	61.42	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	59.67	103.59	106.98	105.69	107.08	0.001538	1.43	42.00	23.86	0.34
DROVE	CINCIANO	7.5		Bridge									
DROVE	CINCIANO	7.1	DB 200-4	86.39	103.59	107.62		107.73	0.001258	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	59.67	103.59	106.95		107.06	0.001610	1.45	41.36	23.73	0.34
DROVE	CINCIANO	6.9	DB 200-4	86.39	103.68	107.57	106.19	107.73	0.001732	1.76	49.20	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	59.67	103.68	106.92	105.68	107.05	0.001986	1.62	36.83	18.72	0.37
DROVE	CINCIANO	6.5		Bridge									
DROVE	CINCIANO	6.1	DB 200-4	86.37	103.68	107.44		107.62	0.002017	1.85	46.76	19.15	0.38
DROVE	CINCIANO	6.1	DB 100-4	79.16	103.68	107.24		107.41	0.002193	1.84	42.93	18.99	0.39
DROVE	CINCIANO	6.1	DB 30-4	59.63	103.68	106.88		107.02	0.002094	1.65	36.18	18.70	0.38
DROVE	CINCIANO	6.09		Lat Struct									
DROVE	CINCIANO	6.08		Lat Struct									
DROVE	CINCIANO	5	DB 200-4	86.27	103.29	107.30		107.61	0.003844	2.48	34.78	14.71	0.51
DROVE	CINCIANO	5	DB 100-4	73.47	103.29	107.12		107.38	0.003549	2.29	32.07	14.70	0.50
DROVE	CINCIANO	5	DB 30-4	59.63	103.29	106.77		107.02	0.003615	2.19	27.20	13.59	0.49
DROVE	CINCIANO	4	DB 200-4	77.93	102.83	107.28		107.51	0.002969	2.13	36.50	13.80	0.42
DROVE	CINCIANO	4	DB 100-4	69.94	102.83	107.03		107.26	0.003186	2.11	33.14	13.80	0.43
DROVE	CINCIANO	4	DB 30-4	59.32	102.83	106.62		106.86	0.003947	2.16	27.46	13.43	0.48
DROVE	CINCIANO	3.9	DB 200-4	80.52	102.98	107.15	105.90	107.44	0.004107	2.42	33.26	14.61	0.51
DROVE	CINCIANO	3.9	DB 100-4	72.14	102.98	106.89	105.75	107.19	0.004424	2.43	29.67	13.63	0.53
DROVE	CINCIANO	3.9	DB 30-4	59.58	102.98	106.50	105.49	106.80	0.004642	2.41	24.68	11.69	0.53
DROVE	CINCIANO	3.5		Bridge									
DROVE	CINCIANO	3.1	DB 200-4	80.65	102.98	106.40		107.00	0.009358	3.43	23.51	11.03	0.75
DROVE	CINCIANO	3.1	DB 100-4	78.20	102.98	106.22		106.89	0.010711	3.62	21.62	10.28	0.80
DROVE	CINCIANO	3.1	DB 30-4	59.22	102.98	105.75		106.37	0.011587	3.47	17.08	9.26	0.82
DROVE	CINCIANO	3.09		Lat Struct									
DROVE	CINCIANO	3.08		Lat Struct									
DROVE	CINCIANO	2	DB 200-4	80.64	102.49	106.66		106.74	0.000753	1.25	64.51	23.53	0.24
DROVE	CINCIANO	2	DB 100-4	78.20	102.49	106.48		106.57	0.000875	1.29	60.39	23.53	0.26
DROVE	CINCIANO	2	DB 30-4	59.21	102.49	105.96		106.04	0.001030	1.23	48.16	23.22	0.27

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	1	DB 200-4	80.40	102.05	106.63		106.70	0.000568	1.14	70.52	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	59.17	102.05	105.92		105.99	0.000723	1.10	53.58	23.37	0.23
DROVE	CINCIANO	0.6	DB 200-4	77.43	102.03	106.62		106.68	0.000495	0.97	73.97	26.32	0.19
DROVE	CINCIANO	0.6	DB 100-4	77.59	102.03	106.43		106.50	0.000617	1.04	68.94	26.32	0.21
DROVE	CINCIANO	0.6	DB 30-4	59.12	102.03	105.90		105.96	0.000575	1.05	56.09	22.45	0.20
DROVE	CINCIANO	0.5	DB 200-4	77.43	102.03	106.62		106.68	0.000495	0.97	73.95	26.32	0.19
DROVE	CINCIANO	0.5	DB 100-4	77.59	102.03	106.43		106.50	0.000617	1.04	68.92	26.32	0.21
DROVE	CINCIANO	0.5	DB 30-4	59.12	102.03	105.90		105.96	0.000576	1.05	56.08	22.44	0.20
DROVE	VALLE	17.5	DB 200-4	189.87	101.77	105.83		106.56	0.008321	3.80	49.95	20.44	0.78
DROVE	VALLE	17.5	DB 100-4	176.37	101.77	105.62		106.38	0.009287	3.86	45.66	19.98	0.82
DROVE	VALLE	17.5	DB 30-4	134.89	101.77	105.20		105.85	0.008535	3.56	37.84	17.53	0.77
DROVE	VALLE	17.49	DB 200-4	189.87	101.77	105.81		106.56	0.008508	3.83	49.57	20.40	0.78
DROVE	VALLE	17.49	DB 100-4	176.37	101.77	105.59		106.37	0.009547	3.90	45.23	19.93	0.83
DROVE	VALLE	17.49	DB 30-4	134.89	101.77	105.19		105.84	0.008747	3.60	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 200-4	196.39	100.53	104.61		105.28	0.008462	3.66	55.05	29.18	0.79
DROVE	VALLE	17	DB 100-4	175.92	100.53	104.47		105.10	0.008429	3.51	51.18	29.18	0.78
DROVE	VALLE	17	DB 30-4	134.12	100.53	104.19		104.69	0.008147	3.14	42.96	26.90	0.76
DROVE	VALLE	16.9		Lat Struct									
DROVE	VALLE	16.6	DB 200-4	180.09	100.00	104.56		105.00	0.005105	2.96	60.75	25.20	0.61
DROVE	VALLE	16.6	DB 100-4	166.96	100.00	104.34		104.80	0.005910	3.02	55.21	25.20	0.65
DROVE	VALLE	16.6	DB 30-4	131.28	100.00	103.99		104.39	0.006322	2.83	46.36	25.20	0.67
DROVE	VALLE	16.5*	DB 200-4	176.70	100.00	104.55		104.98	0.004975	2.92	60.51	25.20	0.60
DROVE	VALLE	16.5*	DB 100-4	164.85	100.00	104.30		104.77	0.006065	3.04	54.31	25.20	0.66
DROVE	VALLE	16.5*	DB 30-4	130.90	100.00	103.93		104.36	0.006949	2.91	44.91	25.20	0.70
DROVE	VALLE	16	DB 200-4	171.21	99.47	104.21		104.62	0.004045	2.81	60.83	21.21	0.53
DROVE	VALLE	16	DB 100-4	159.11	99.47	104.07		104.45	0.004096	2.76	57.73	21.21	0.53
DROVE	VALLE	16	DB 30-4	129.49	99.47	103.76		104.08	0.003912	2.53	51.22	21.21	0.52
DROVE	VALLE	15.9		Lat Struct									
DROVE	VALLE	15	DB 200-4	184.41	98.80	103.85		104.33	0.004582	3.09	59.68	20.43	0.58
DROVE	VALLE	15	DB 100-4	176.15	98.80	103.58		104.12	0.005581	3.25	54.24	20.43	0.64
DROVE	VALLE	15	DB 30-4	148.44	98.80	103.26		103.75	0.005721	3.11	47.75	19.95	0.64
DROVE	VALLE	14	DB 200-4	190.28	98.44	103.19		103.88	0.006790	3.67	51.82	18.35	0.70
DROVE	VALLE	14	DB 100-4	174.45	98.44	102.92		103.63	0.007538	3.71	46.96	17.90	0.73
DROVE	VALLE	14	DB 30-4	148.34	98.44	102.49		103.22	0.009152	3.77	39.30	17.33	0.80
DROVE	VALLE	13.8		Lat Struct									
DROVE	VALLE	13	DB 200-4	216.22	97.60	102.10		102.76	0.007902	3.60	60.14	26.80	0.77
DROVE	VALLE	13	DB 100-4	191.63	97.60	102.00		102.57	0.007134	3.34	57.45	26.64	0.72
DROVE	VALLE	13	DB 30-4	143.16	97.60	101.80		102.18	0.005235	2.75	52.06	25.72	0.62
DROVE	VALLE	12.9		Lat Struct									
DROVE	VALLE	12.8		Lat Struct									
DROVE	VALLE	12	DB 200-4	194.37	96.99	101.52		101.87	0.004463	2.74	75.76	40.10	0.56
DROVE	VALLE	12	DB 100-4	176.45	96.99	101.39		101.72	0.004582	2.69	70.55	39.95	0.56
DROVE	VALLE	12	DB 30-4	141.60	96.99	101.09		101.41	0.005183	2.63	58.67	39.60	0.59
DROVE	VALLE	11.9		Lat Struct									
DROVE	VALLE	11	DB 200-4	218.19	96.19	100.82		101.30	0.006175	3.16	73.25	41.44	0.66
DROVE	VALLE	11	DB 100-4	196.83	96.19	100.68		101.15	0.006367	3.09	67.45	41.14	0.67
DROVE	VALLE	11	DB 30-4	153.22	96.19	100.32		100.77	0.007585	3.01	52.69	40.35	0.71
DROVE	VALLE	10.9		Lat Struct									
DROVE	VALLE	10	DB 200-4	217.88	95.83	100.24		100.92	0.008187	3.96	63.53	40.57	0.77
DROVE	VALLE	10	DB 100-4	196.79	95.83	100.07	100.11	100.78	0.008904	4.00	57.04	39.15	0.79
DROVE	VALLE	10	DB 30-4	152.54	95.83	99.77	99.86	100.47	0.009411	3.86	45.33	38.45	0.80
DROVE	VALLE	9	DB 200-4	241.04	95.07	99.83		99.98	0.001340	1.80	147.63	78.00	0.34
DROVE	VALLE	9	DB 100-4	209.37	95.07	99.58		99.73	0.001463	1.77	128.78	74.56	0.35
DROVE	VALLE	9	DB 30-4	154.25	95.07	98.96		99.13	0.002234	1.85	88.26	59.26	0.42
DROVE	VALLE	8	DB 200-4	240.45	93.00	99.51		99.83	0.002008	2.53	101.75	33.58	0.36
DROVE	VALLE	8	DB 100-4	209.30	93.00	99.31		99.58	0.001804	2.34	94.76	33.43	0.34
DROVE	VALLE	8	DB 30-4	153.87	93.00	98.74		98.94	0.001542	2.02	76.90	25.32	0.32
DROVE	VALLE	7.9		Lat Struct									
DROVE	VALLE	7	DB 200-4	231.08	92.80	97.10		98.08	0.010916	4.38	52.79	22.38	0.91
DROVE	VALLE	7	DB 100-4	205.79	92.80	96.89		97.82	0.011107	4.28	48.10	21.39	0.91
DROVE	VALLE	7	DB 30-4	153.67	92.80	96.50		97.24	0.010062	3.83	40.14	19.60	0.85
DROVE	VALLE	6.8		Lat Struct									
DROVE	VALLE	6	DB 200-4	177.37	92.00	96.90		97.14	0.001850	2.15	82.52	25.23	0.38
DROVE	VALLE	6	DB 100-4	183.87	92.00	96.40		96.76	0.003296	2.63	69.93	25.23	0.50
DROVE	VALLE	6	DB 30-4	149.98	92.00	96.02		96.33	0.003484	2.49	60.19	25.23	0.51
DROVE	VALLE	5	DB 200-4	142.48	91.50	96.87		97.09	0.001556	2.13	71.36	23.48	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
DROVE	VALLE	5	DB 100-4	155.76	91.50	96.21		96.64	0.003671	2.95	55.69	23.48	0.52
DROVE	VALLE	5	DB 30-4	140.03	91.50	95.38		96.07	0.007966	3.70	38.27	17.99	0.75
DROVE	VALLE	4.1	DB 200-4	220.95	91.00	96.73	94.09	96.85	0.000696	1.59	146.00	40.33	0.25
DROVE	VALLE	4.1	DB 100-4	202.59	91.00	96.15	93.96	96.30	0.000992	1.74	122.45	40.33	0.29
DROVE	VALLE	4.1	DB 30-4	152.33	91.00	95.37	93.59	95.52	0.001323	1.74	91.06	40.04	0.33
DROVE	VALLE	4.05		Bridge									
DROVE	VALLE	4	DB 200-4	220.56	91.00	96.23		96.39	0.001088	1.84	125.67	40.33	0.30
DROVE	VALLE	4	DB 100-4	202.33	91.00	95.68		95.89	0.001615	2.04	103.64	40.33	0.36
DROVE	VALLE	4	DB 30-4	152.24	91.00	95.06		95.26	0.001969	1.98	78.77	39.33	0.39
DROVE	VALLE	3	DB 200-4	220.55	91.10	96.20		96.39	0.001489	1.94	113.90	37.53	0.35
DROVE	VALLE	3	DB 100-4	202.33	91.10	95.64		95.88	0.002248	2.17	93.35	35.58	0.43
DROVE	VALLE	3	DB 30-4	152.24	91.10	95.02		95.24	0.002750	2.11	71.98	33.28	0.46
DROVE	VALLE	2.9		Lat Struct									
DROVE	VALLE	2	DB 200-4	217.21	90.55	96.13		96.33	0.001072	2.09	114.54	34.84	0.32
DROVE	VALLE	2	DB 100-4	193.32	90.55	95.54		95.76	0.001418	2.18	95.52	30.69	0.36
DROVE	VALLE	2	DB 30-4	152.18	90.55	94.92		95.13	0.001667	2.09	77.13	29.05	0.38
DROVE	VALLE	1.1	DB 200-4	213.62	89.30	96.23		96.27	0.000179	0.86	250.86	62.48	0.13
DROVE	VALLE	1.1	DB 100-4	202.30	89.30	95.65		95.70	0.000256	0.94	215.33	57.05	0.15
DROVE	VALLE	1.1	DB 30-4	152.10	89.30	95.01		95.05	0.000248	0.85	179.63	54.55	0.15
DROVE	VALLE	1	DB 200-4	213.61	89.30	96.23	92.59	96.27	0.000179	0.86	250.84	62.48	0.13
DROVE	VALLE	1	DB 100-4	202.30	89.30	95.65	92.54	95.69	0.000256	0.94	215.31	57.05	0.15
DROVE	VALLE	1	DB 30-4	152.10	89.30	95.01	92.29	95.05	0.000248	0.85	179.61	54.55	0.15
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
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 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	118.29	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 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 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 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 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 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 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 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 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 200-4	30.03	111.54	114.68		114.80	0.001540	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 200-4	37.24	111.54	114.01	114.14	114.66	0.010571	3.76	12.87	16.45	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 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 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 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 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	22.19	109.57	112.06		112.10	0.001131	1.06	33.75	53.71	0.30

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	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	0.004355	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 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 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 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	29.72	109.17	111.83		111.87	0.000522	0.98	38.73	42.01	0.23
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 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	0.042460	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 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 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 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	30.44	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 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 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 200-4	30.98	105.71	109.37	107.81	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 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 200-4	31.10	105.57	108.10		108.38	0.004250	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 200-4	31.25	105.19	107.74	107.67	108.39	0.012666	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 200-4	31.25	104.67	107.50		107.77	0.005327	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 200-4	30.83	104.68	107.29		107.69	0.006349	2.85	11.33	8.66	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 200-4	29.28	104.52	107.25		107.49	0.004318	2.17	13.51	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 200-4	28.66	104.36	106.96		107.49	0.009991	3.22	8.89	5.90	0.84
BOZZONE	BOZZONE	5	DB 100-4	26.34	104.36	106.88		107.38	0.009912	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 200-4	26.87	104.06	106.67		107.04	0.006791	2.73	10.28	9.55	0.72
BOZZONE	BOZZONE	4.7	DB 100-4	25.13	104.06	106.44		106.92	0.010211	3.07	8.18	6.65	0.87
BOZZONE	BOZZONE	4.7	DB 30-4	21.26	104.06	106.29		106.73	0.009960	2.93	7.26	6.02	0.85
BOZZONE	BOZZONE	4.4	DB 200-4	32.07	103.85	106.43		106.74	0.005836	2.61	14.27	14.06	0.70
BOZZONE	BOZZONE	4.4	DB 100-4	26.03	103.85	106.24		106.55	0.006465	2.58	11.64	13.75	0.72
BOZZONE	BOZZONE	4.4	DB 30-4	21.34	103.85	105.95	106.00	106.39	0.010693	2.95	7.75	13.28	0.90
BOZZONE	BOZZONE	4	DB 200-4	36.96	103.53	106.28	106.33	106.89	0.010410	3.56	11.56	11.05	0.89
BOZZONE	BOZZONE	4	DB 100-4	27.79	103.53	106.09	106.00	106.58	0.009087	3.14	9.53	10.73	0.82
BOZZONE	BOZZONE	4	DB 30-4	21.38	103.53	105.74	105.68	106.27	0.012461	3.22	6.64	5.60	0.94
BOZZONE	BOZZONE	3	DB 200-4	43.93	103.56	106.17	105.47	106.35	0.001937	1.99	25.69	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	22.01	103.56	105.63	104.76	105.73	0.001437	1.45	17.12	15.11	0.36
BOZZONE	BOZZONE	2.5		Bridge									
BOZZONE	BOZZONE	2	DB 200-4	43.93	103.26	106.11		106.29	0.002061	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	22.01	103.26	105.60		105.69	0.001400	1.42	16.82	11.92	0.35

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	1	DB 200-4	43.93	102.96	105.86	105.83	106.56	0.012855	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	22.00	102.96	105.24		105.68	0.009037	2.92	7.54	5.30	0.78
BOZZONE	BOZZONE	0.99		Lat Struct									
BOZZONE	BOZZONE	.9*	DB 200-4	41.14	102.68	105.45	105.41	106.09	0.012388	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	21.98	102.68	104.93		105.35	0.009271	2.87	7.67	5.97	0.81
BOZZONE	BOZZONE	.8*	DB 200-4	38.84	102.39	105.06	105.01	105.65	0.011905	3.41	11.39	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	0.009271	2.78	7.90	6.72	0.82
BOZZONE	BOZZONE	.7*	DB 200-4	36.19	102.11	104.77		105.22	0.008839	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	0.008492	2.59	8.47	7.80	0.79
BOZZONE	BOZZONE	.6*	DB 200-4	36.17	101.82	104.62		104.94	0.005328	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	21.96	101.82	104.20		104.43	0.005485	2.14	10.28	9.32	0.65
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 200-1	103.47	103.40	0.00	0.01	0.00
DROVE 1	DB 100-1	104.00	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 200-1	104.38	100.00	2.53	6.10	5.88
DROVE 10	DB 100-1	104.21	100.00	1.53	6.10	4.88
DROVE 10	DB 30-1	103.69	100.00	0.20	3.14	2.42
DROVE 11	DB 200-1	103.53	99.90	6.31	18.83	22.82
DROVE 11	DB 100-1	103.47	99.90	3.52	18.54	21.70
DROVE 11	DB 30-1	102.60	99.90	3.17	15.86	6.62
DROVE 12	DB 200-1	100.70	98.90	2.48	3.58	1.67
DROVE 12	DB 100-1	100.55	98.90	0.92	3.58	1.12
DROVE 12	DB 30-1	98.90	98.90	0.00	0.01	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 200-1	99.89	97.90	5.15	42.91	25.95
DROVE 14	DB 100-1	99.73	97.90	0.83	42.91	18.91
DROVE 14	DB 30-1	99.06	97.90	0.44	11.77	1.36
DROVE 15	DB 200-1	101.70	97.00	34.32	21.78	16.80
DROVE 15	DB 100-1	101.62	97.00	25.37	21.78	15.12
DROVE 15	DB 30-1	101.22	97.00	3.87	18.40	6.95
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 200-1	96.48	94.00	7.09	51.92	21.23
DROVE 17	DB 100-1	96.33	94.00	5.01	51.92	13.65
DROVE 17	DB 30-1	94.00	94.00	0.00	0.00	0.00
DROVE 18	DB 200-1	95.75	93.60	17.93	9.88	6.98
DROVE 18	DB 100-1	95.67	93.60	0.19	8.43	6.28
DROVE 18	DB 30-1	94.85	93.60	0.31	4.16	0.94
DROVE 19	DB 200-1	96.48	94.70	-0.01	6.43	3.55
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 200-1	107.07	106.06	0.94	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 200-1	95.20	94.60	0.01	0.08	0.01
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 200-1	93.25	92.90	0.04	0.13	0.06
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 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 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

HEC-RAS Profile: Max WS (Continued)

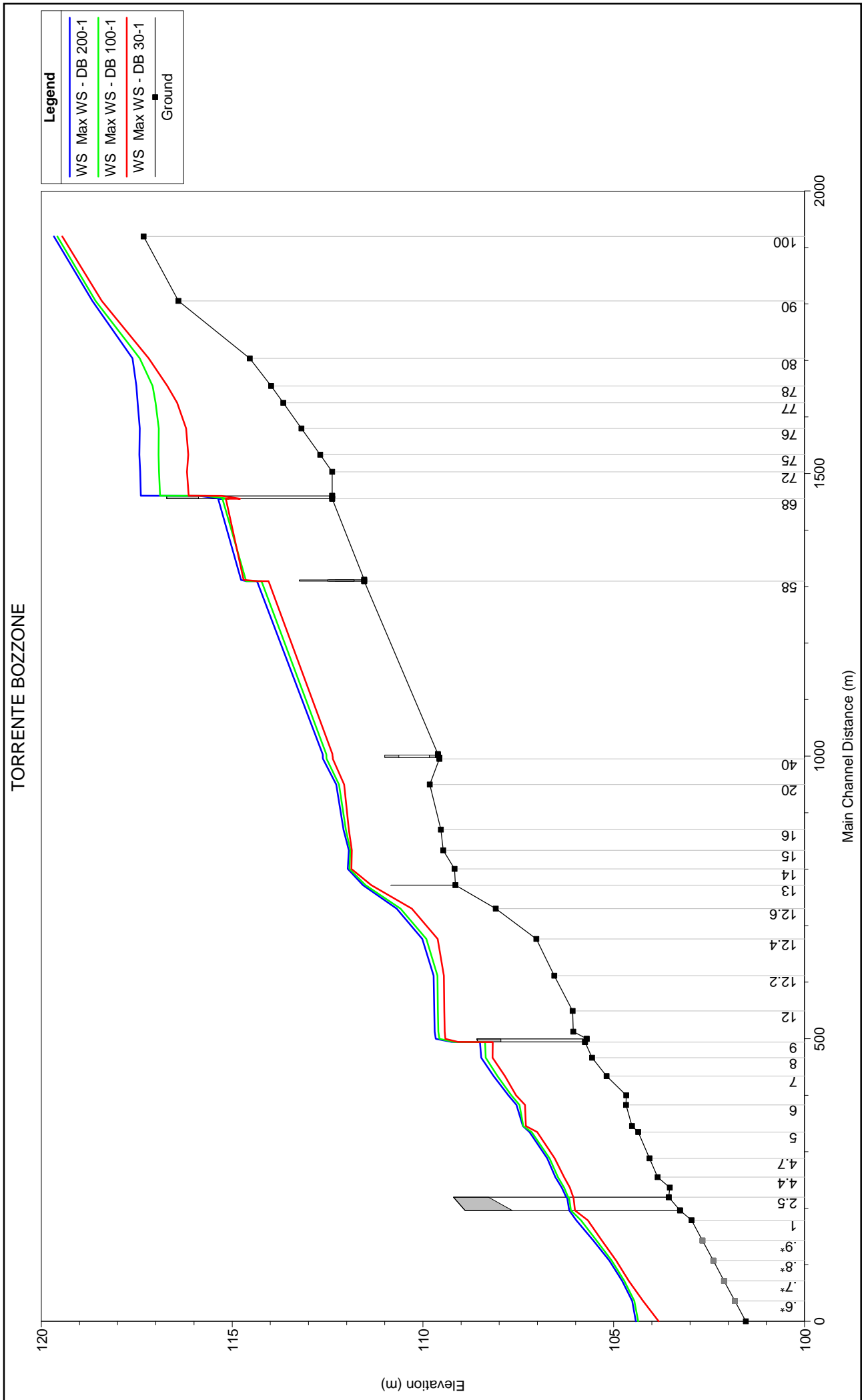
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 23	DB 30-1	89.00	89.00	0.00	0.44	0.00
DROVE 24	DB 200-1	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 100-1	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 30-1	88.40	88.40	0.00	0.04	0.00
DROVE 25	DB 200-1	84.30	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 200-1	104.89	102.30	0.21	2.91	4.02
DROVE 26	DB 100-1	104.85	102.30	0.88	2.91	3.88
DROVE 26	DB 30-1	104.80	102.30	0.74	2.91	3.76
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	100.85	100.00	0.00	0.03	0.01
DROVE 3	DB 200-1	103.21	101.90	0.05	0.19	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 200-1	103.32	99.30	11.67	5.12	2.47
DROVE 4	DB 100-1	103.12	99.30	4.49	2.26	1.67
DROVE 4	DB 30-1	100.82	99.30	0.09	0.15	0.06
DROVE 5	DB 200-1	105.38	103.00	1.84	9.54	3.54
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 200-1	106.65	105.40	2.77	2.65	1.54
DROVE 6	DB 100-1	106.55	105.40	5.38	2.65	1.27
DROVE 6	DB 30-1	106.41	105.40	1.15	2.65	0.91
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
DROVE 8	DB 200-1	106.55	103.50	0.33	8.45	3.89
DROVE 8	DB 100-1	106.45	103.50	0.20	5.81	3.21
DROVE 8	DB 30-1	106.28	103.50	0.18	5.81	2.20
DROVE 9	DB 200-1	105.43	103.20	0.09	4.77	3.68
DROVE 9	DB 100-1	105.39	103.20	0.04	4.77	3.50
DROVE 9	DB 30-1	105.32	103.20	0.04	4.77	3.14

HEC-RAS Profile: Max WS

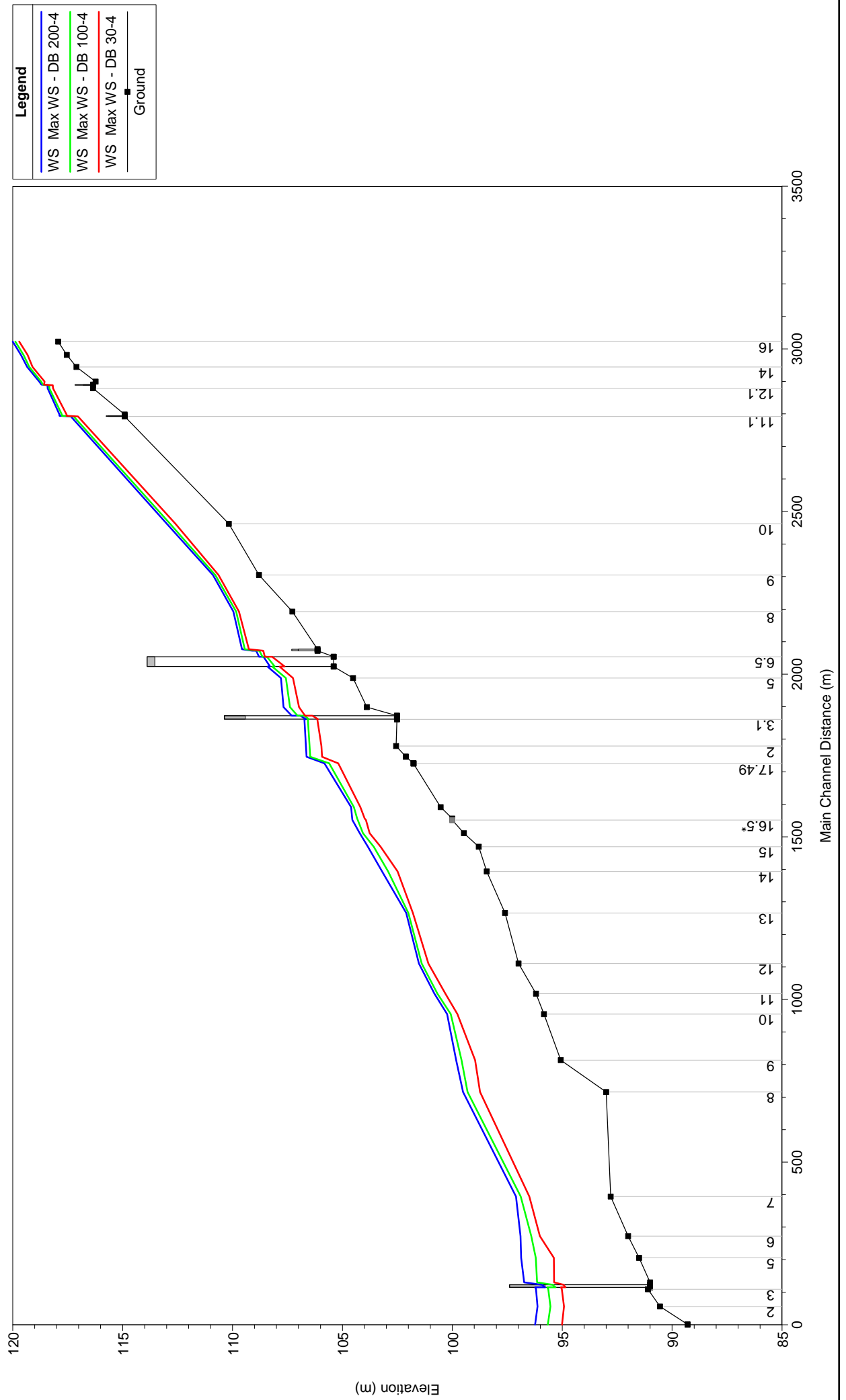
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 1	DB 200-4	107.73	103.40	1.28	16.91	5.92
DROVE 1	DB 100-4	104.95	103.40	0.06	0.16	0.08
DROVE 1	DB 30-4	103.40	103.40	0.00	0.01	0.00
DROVE 10	DB 200-4	104.37	100.00	17.82	6.10	5.85
DROVE 10	DB 100-4	104.18	100.00	3.65	6.10	4.68
DROVE 10	DB 30-4	103.82	100.00	2.37	4.70	2.89
DROVE 11	DB 200-4	103.60	99.90	1.09	18.83	24.04
DROVE 11	DB 100-4	103.51	99.90	0.45	18.83	22.34
DROVE 11	DB 30-4	103.13	99.90	2.02	17.73	15.36
DROVE 12	DB 200-4	100.91	98.90	0.99	4.64	2.50
DROVE 12	DB 100-4	100.67	98.90	0.39	3.58	1.53
DROVE 12	DB 30-4	100.32	98.90	0.08	2.16	0.55
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 200-4	100.04	97.90	2.45	46.39	32.85
DROVE 14	DB 100-4	99.81	97.90	7.68	42.91	22.63
DROVE 14	DB 30-4	99.39	97.90	1.51	30.80	7.08
DROVE 15	DB 200-4	101.79	97.00	24.99	22.35	18.84
DROVE 15	DB 100-4	101.68	97.00	15.86	21.78	16.47
DROVE 15	DB 30-4	101.40	97.00	18.99	18.40	10.21
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 200-4	96.88	94.00	13.07	71.84	47.54
DROVE 17	DB 100-4	96.52	94.00	4.40	51.92	23.70
DROVE 17	DB 30-4	95.69	94.00	0.57	2.90	1.45
DROVE 18	DB 200-4	96.85	93.60	9.72	11.66	18.96
DROVE 18	DB 100-4	96.22	93.60	0.41	10.77	11.90
DROVE 18	DB 30-4	95.40	93.60	0.17	6.72	3.97
DROVE 19	DB 200-4	96.87	94.70	1.04	10.39	7.18
DROVE 19	DB 100-4	96.52	94.70	0.36	6.43	3.86
DROVE 19	DB 30-4	95.42	94.70	0.04	1.18	0.13
DROVE 2	DB 200-4	107.28	106.06	1.26	2.96	1.67
DROVE 2	DB 100-4	107.00	106.06	2.28	2.51	0.88
DROVE 2	DB 30-4	106.53	106.06	0.46	1.16	0.07
DROVE 20	DB 200-4	96.11	94.60	0.47	5.05	1.12
DROVE 20	DB 100-4	95.71	94.60	-0.04	1.40	0.14
DROVE 20	DB 30-4	94.60	94.60	0.00	0.00	0.00
DROVE 21	DB 200-4	95.76	92.90	1.97	32.04	5.85
DROVE 21	DB 100-4	94.71	92.90	0.30	0.71	0.81
DROVE 21	DB 30-4	92.90	92.90	0.00	0.30	0.00
DROVE 22	DB 200-4	94.25	90.50	-0.71	11.85	11.77
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 200-4	90.23	89.00	16.24	19.53	12.10
DROVE 23	DB 100-4	89.00	89.00	0.00	0.44	0.00

HEC-RAS Profile: Max WS (Continued)

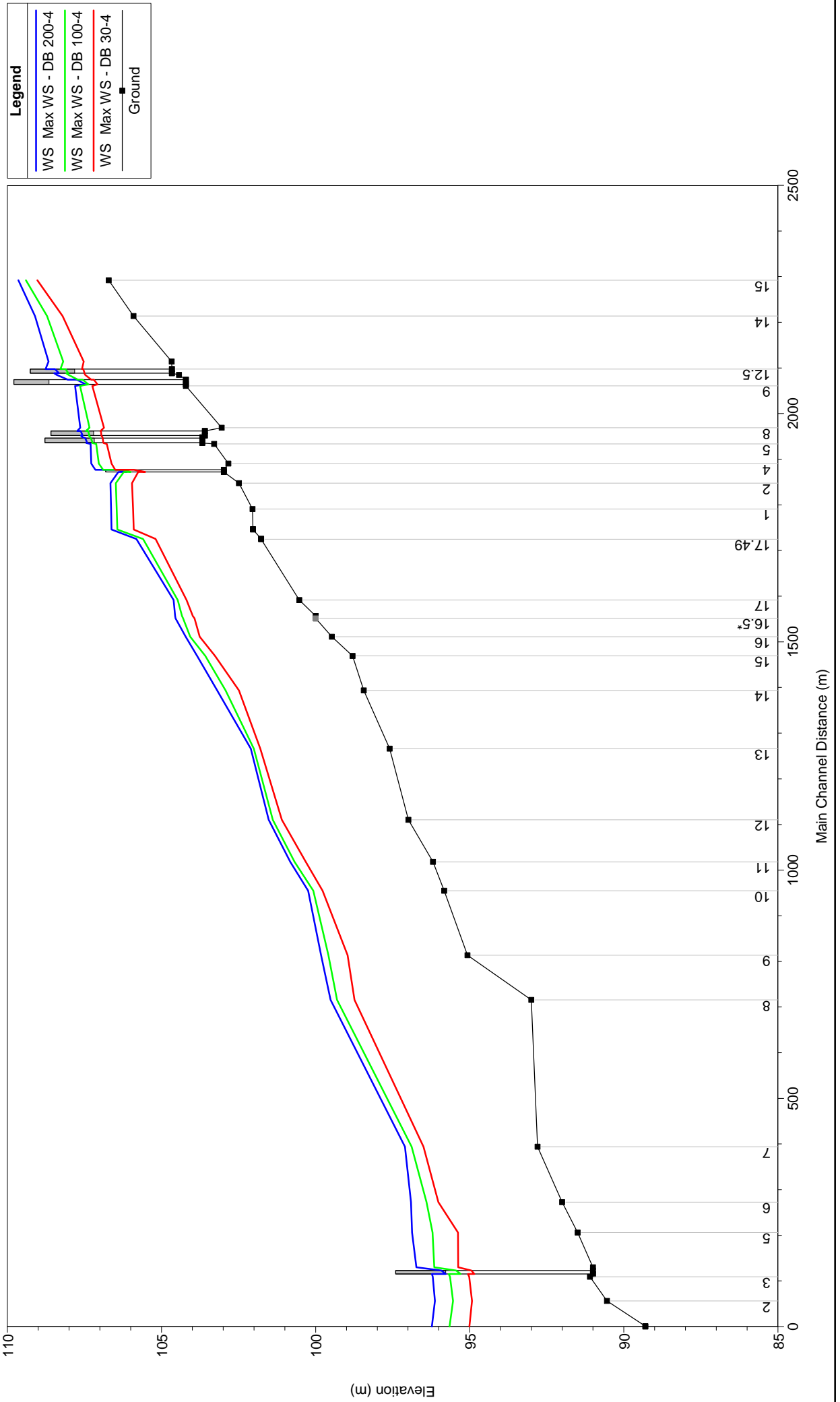
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
DROVE 23	DB 30-4	89.00	89.00	0.00	0.44	0.00
DROVE 24	DB 200-4	90.23	88.40	0.00	14.93	12.53
DROVE 24	DB 100-4	88.40	88.40	0.00	0.04	0.00
DROVE 24	DB 30-4	88.40	88.40	0.00	0.04	0.00
DROVE 25	DB 200-4	90.23	84.30	0.00	40.14	31.25
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 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 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 200-4	105.44	101.90	2.43	3.80	1.97
DROVE 3	DB 100-4	104.78	101.90	0.28	0.88	0.65
DROVE 3	DB 30-4	101.90	101.90	0.00	0.00	0.00
DROVE 4	DB 200-4	103.45	99.30	14.86	5.12	3.13
DROVE 4	DB 100-4	103.23	99.30	1.96	5.12	2.01
DROVE 4	DB 30-4	102.64	99.30	0.42	1.37	0.82
DROVE 5	DB 200-4	106.32	103.00	0.56	14.99	15.19
DROVE 5	DB 100-4	105.55	103.00	2.07	9.54	5.12
DROVE 5	DB 30-4	103.00	103.00	0.00	0.01	0.00
DROVE 6	DB 200-4	106.65	105.40	1.73	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 200-4	108.73	107.10	6.02	7.29	4.32
DROVE 7	DB 100-4	107.81	107.10	0.09	0.68	0.09
DROVE 7	DB 30-4	107.10	107.10	0.00	0.00	0.00
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 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

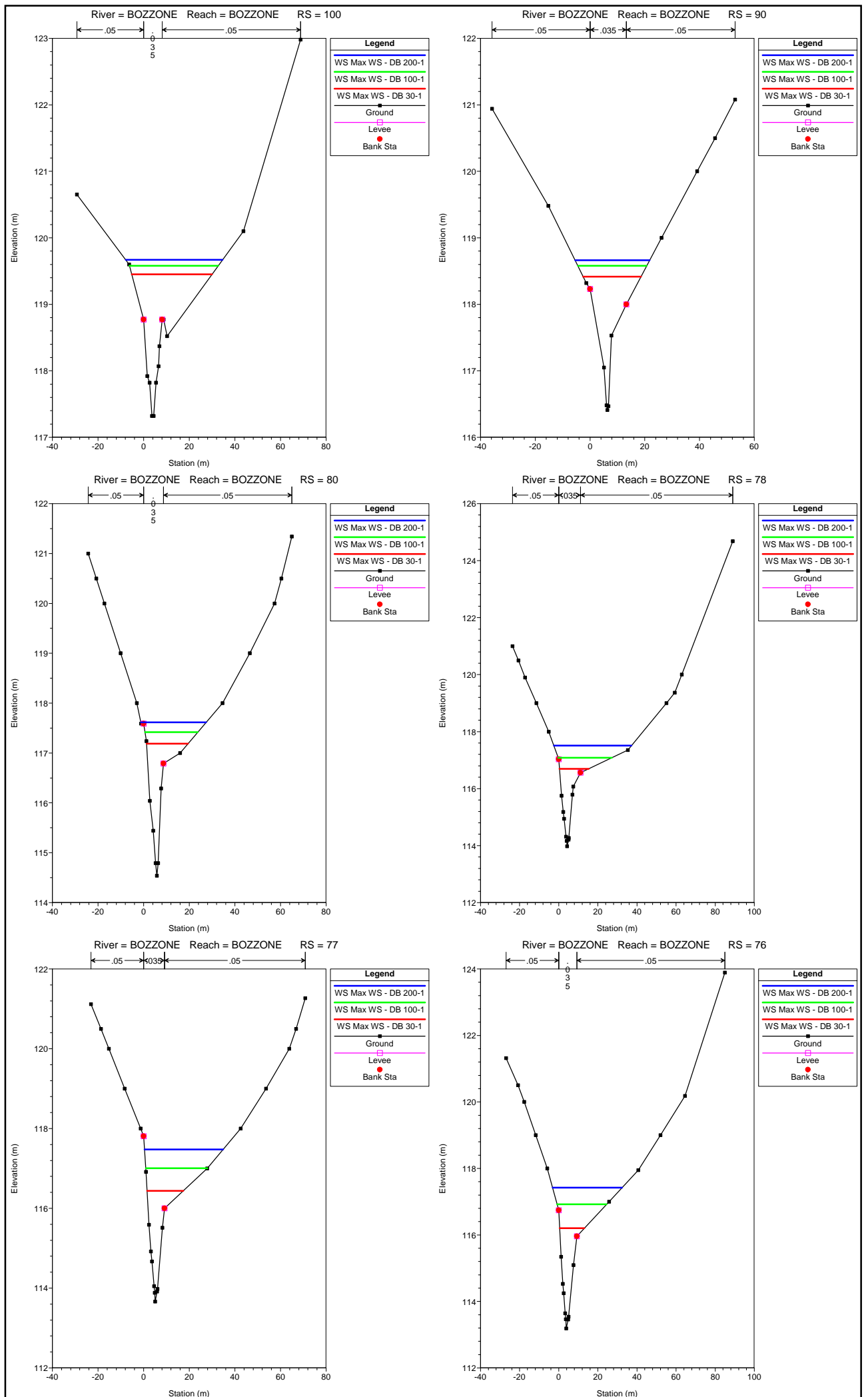


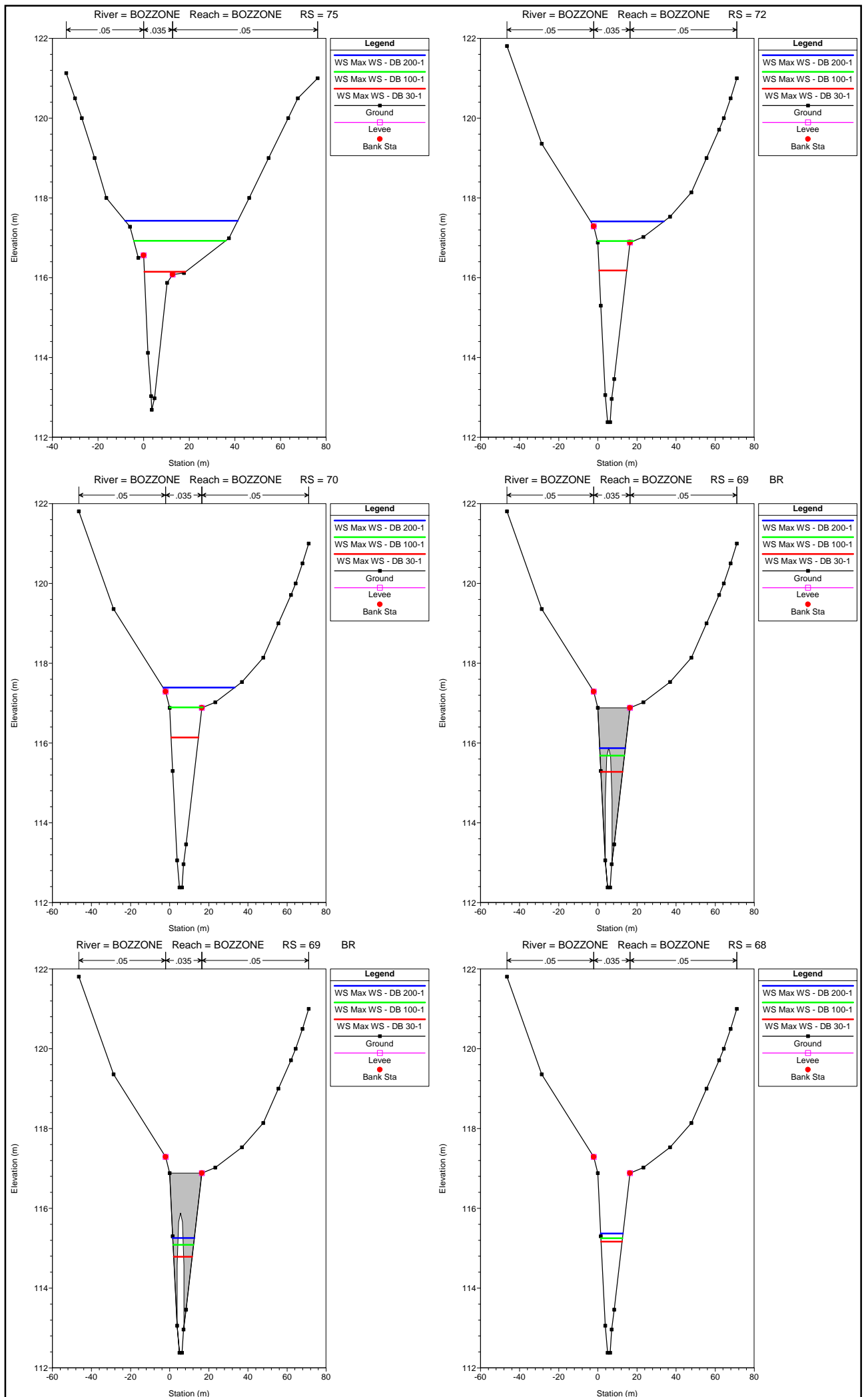
DROVE DI TATTERA E DROVE VALLE

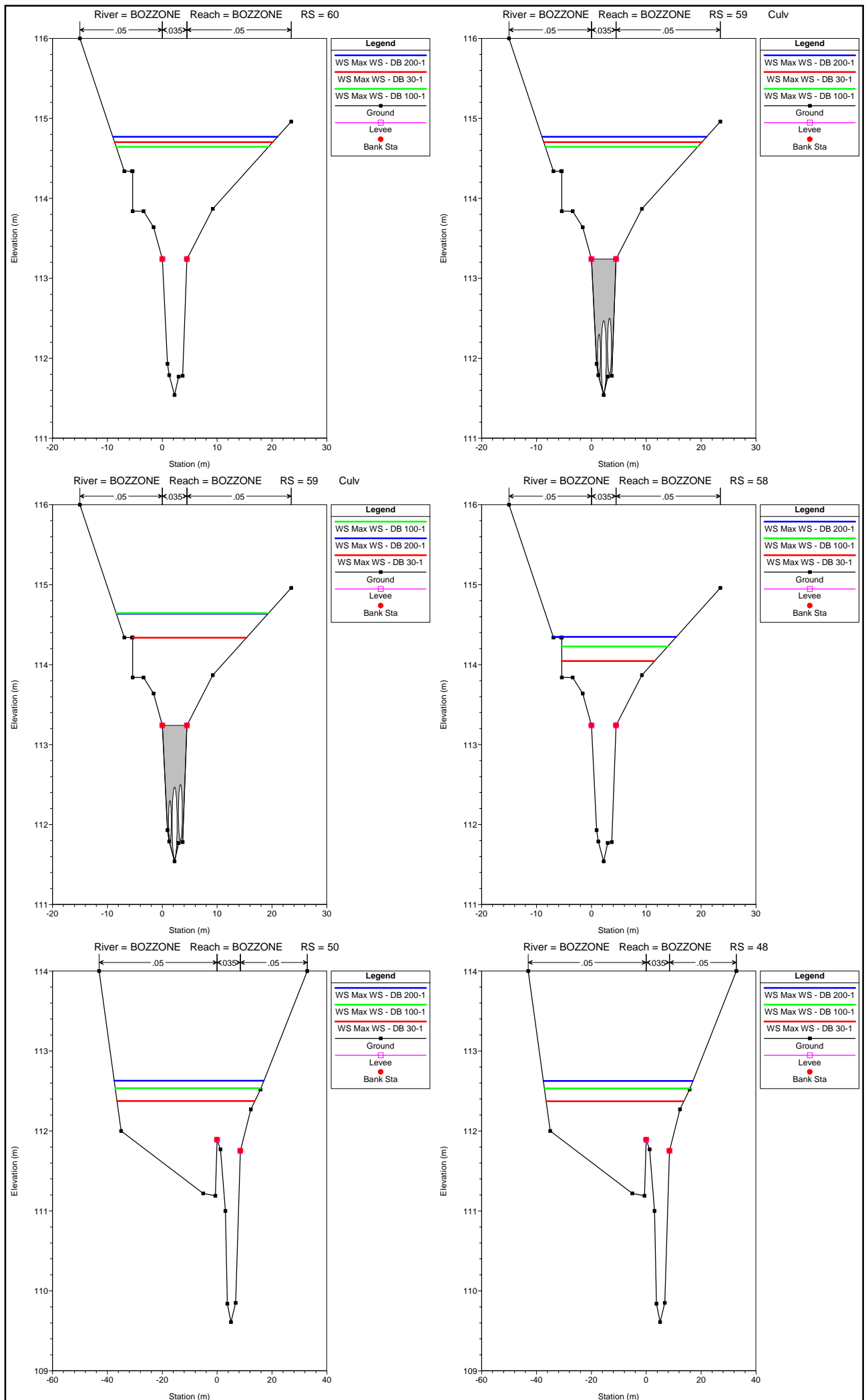


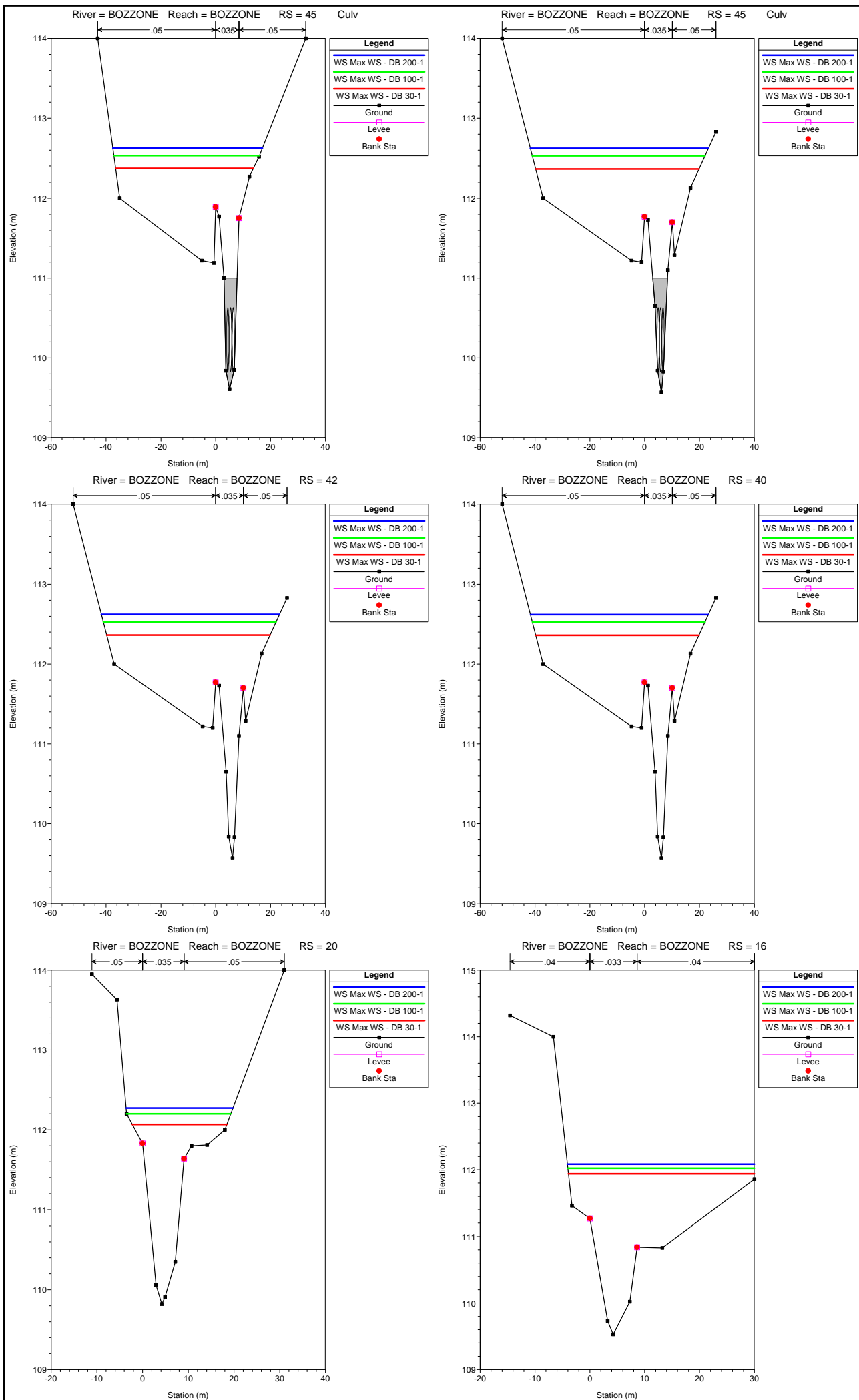
DROVE DI CINCIANO E DROVE VALLE

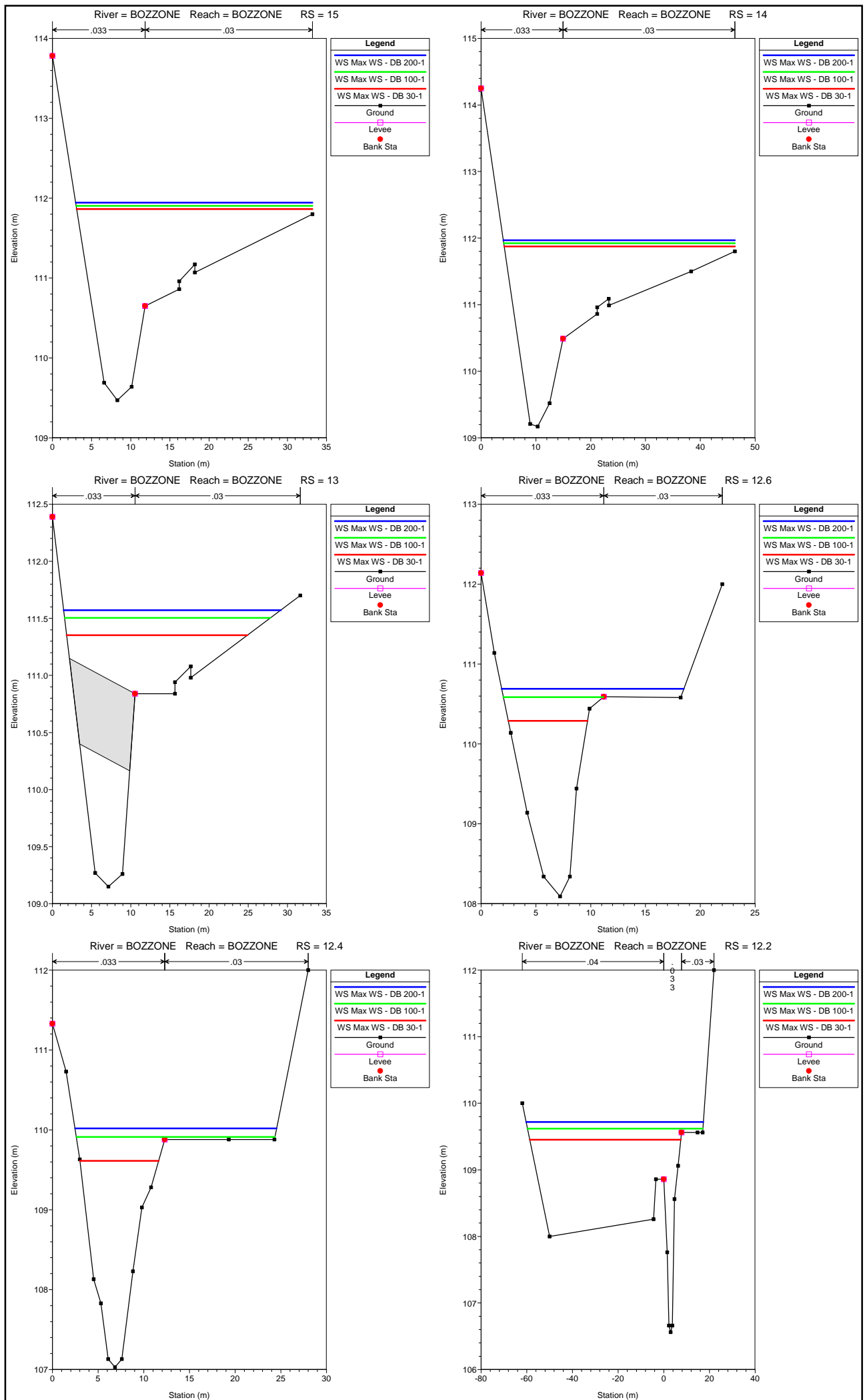


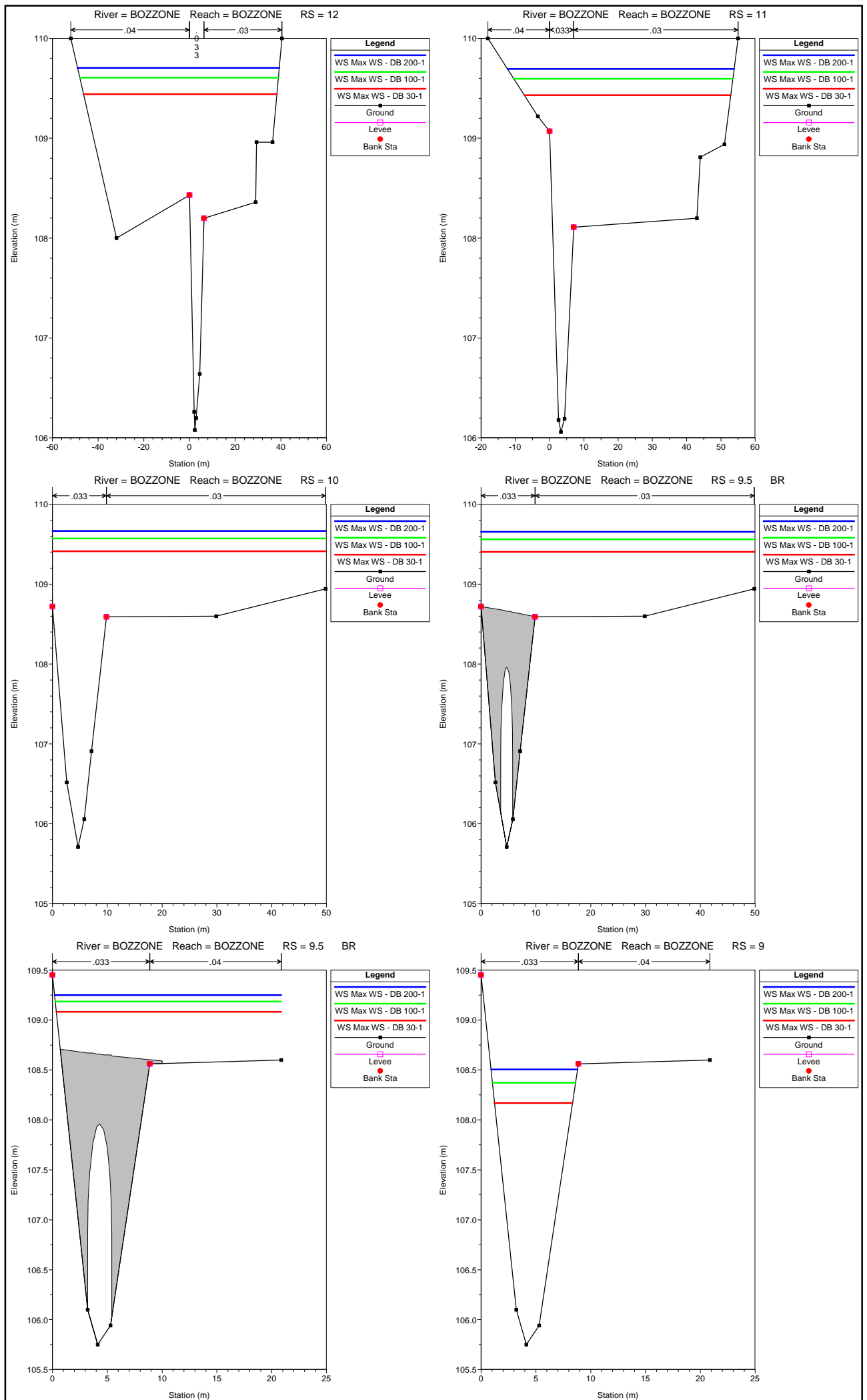


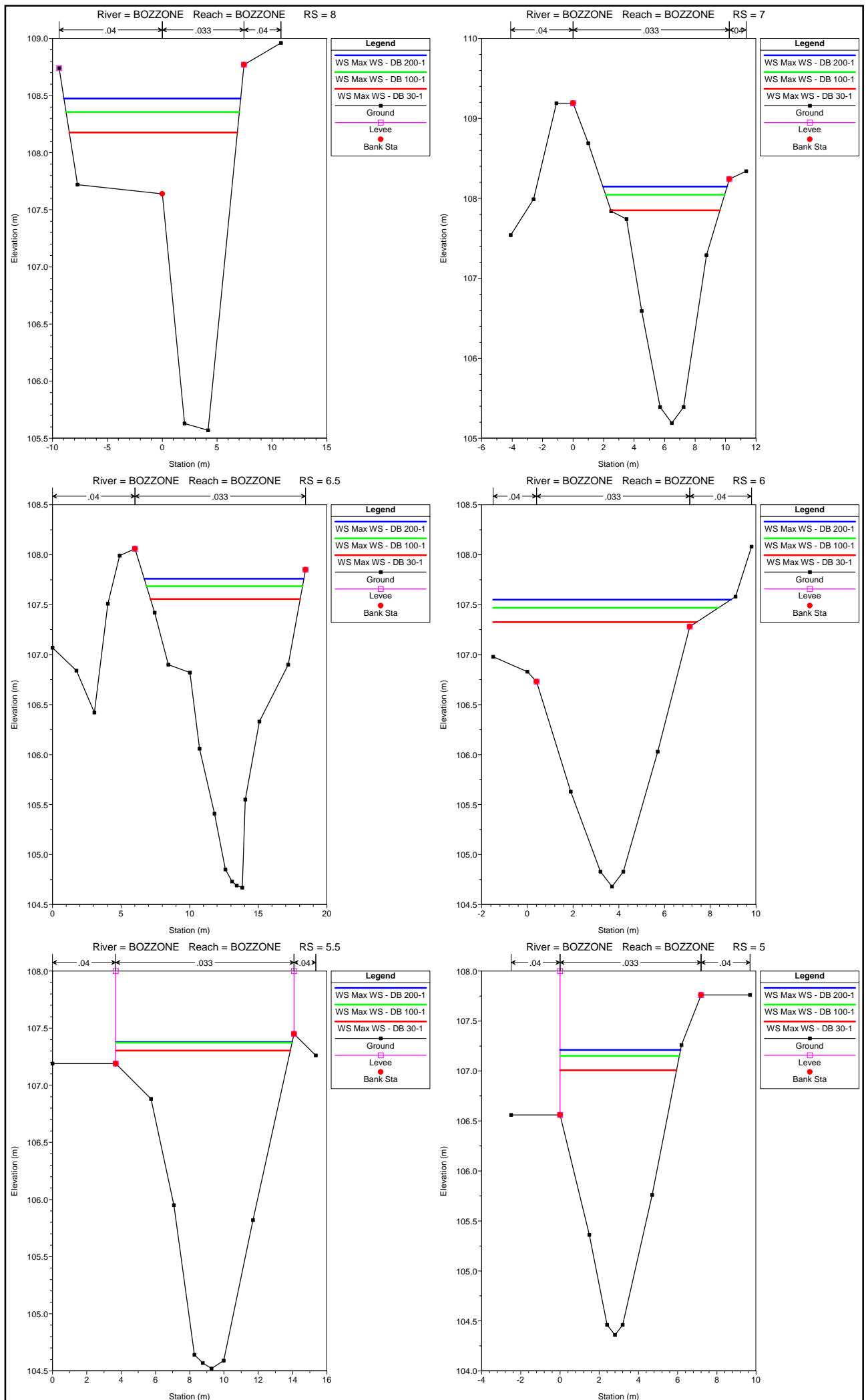


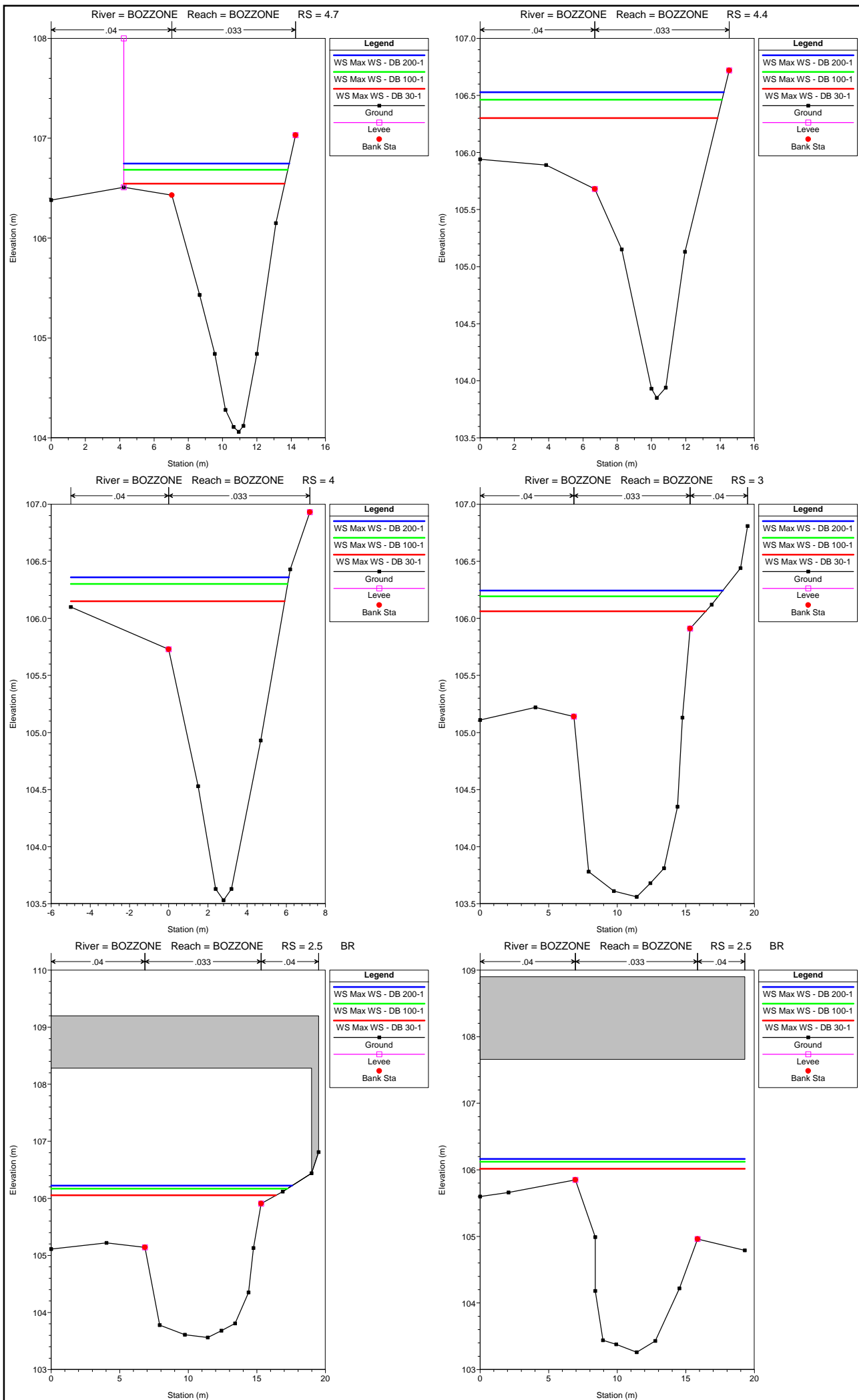


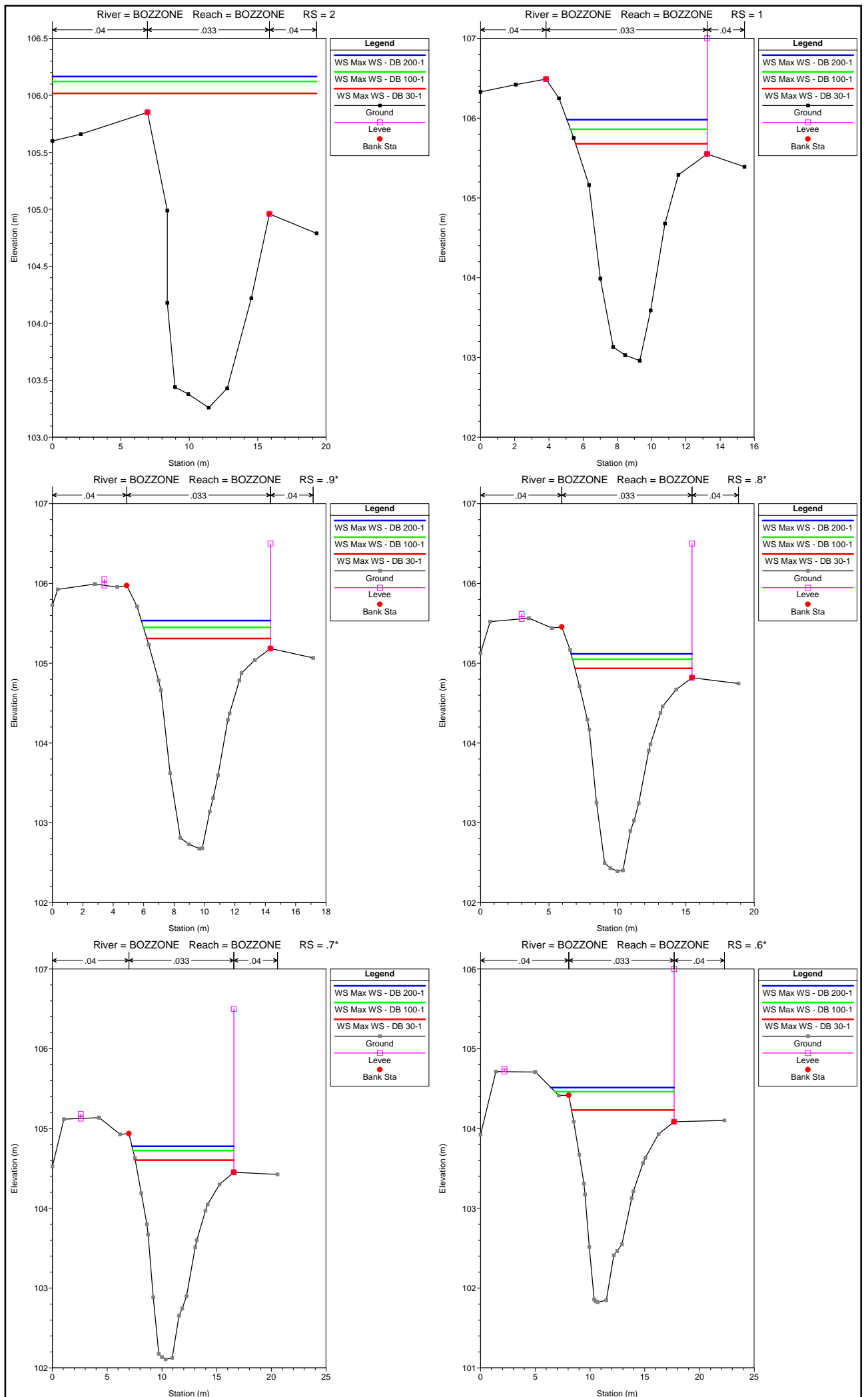


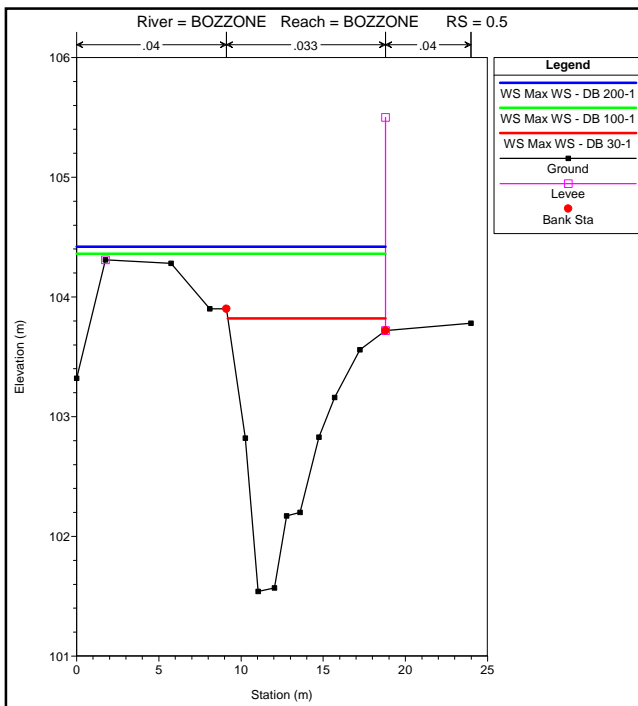


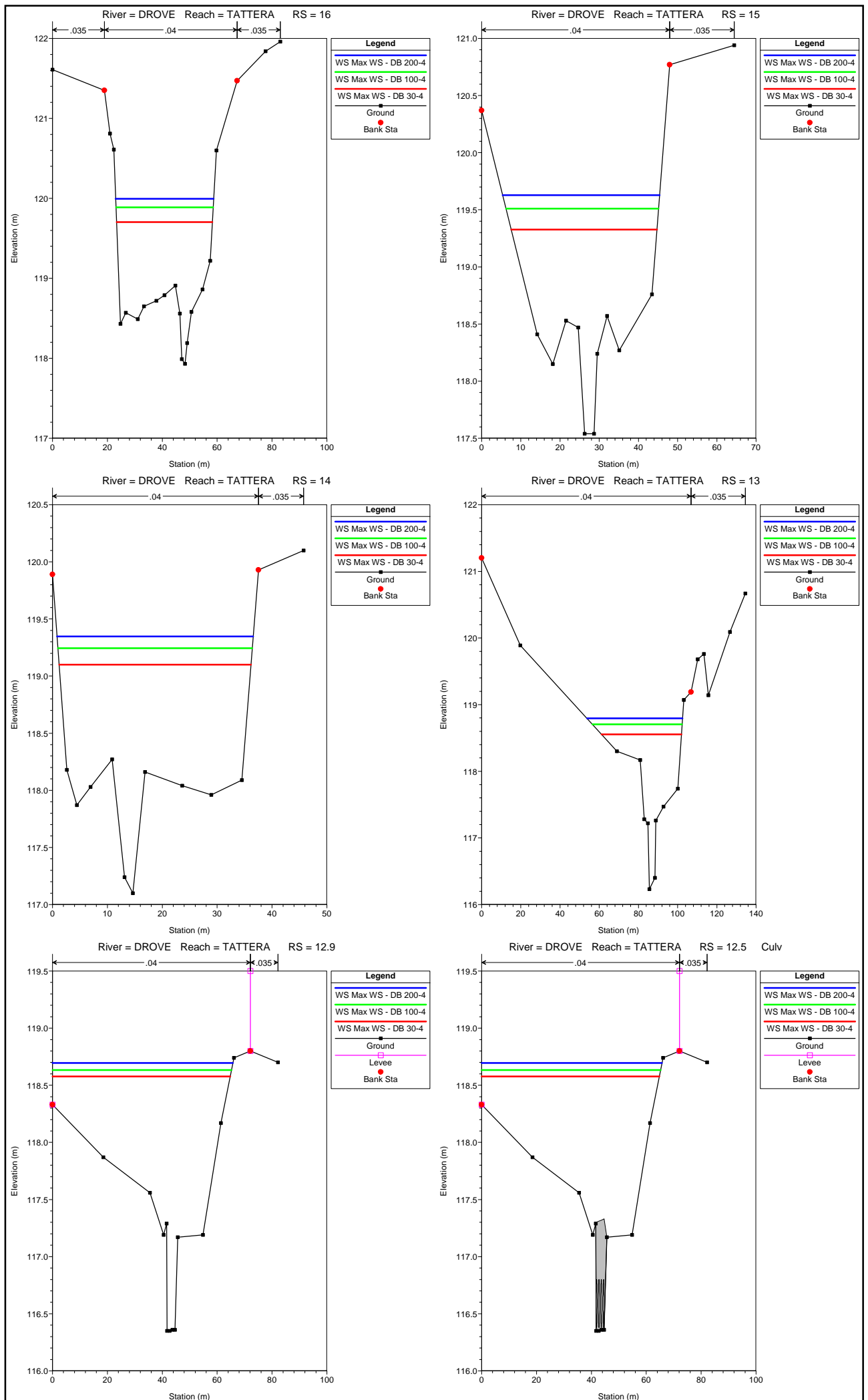


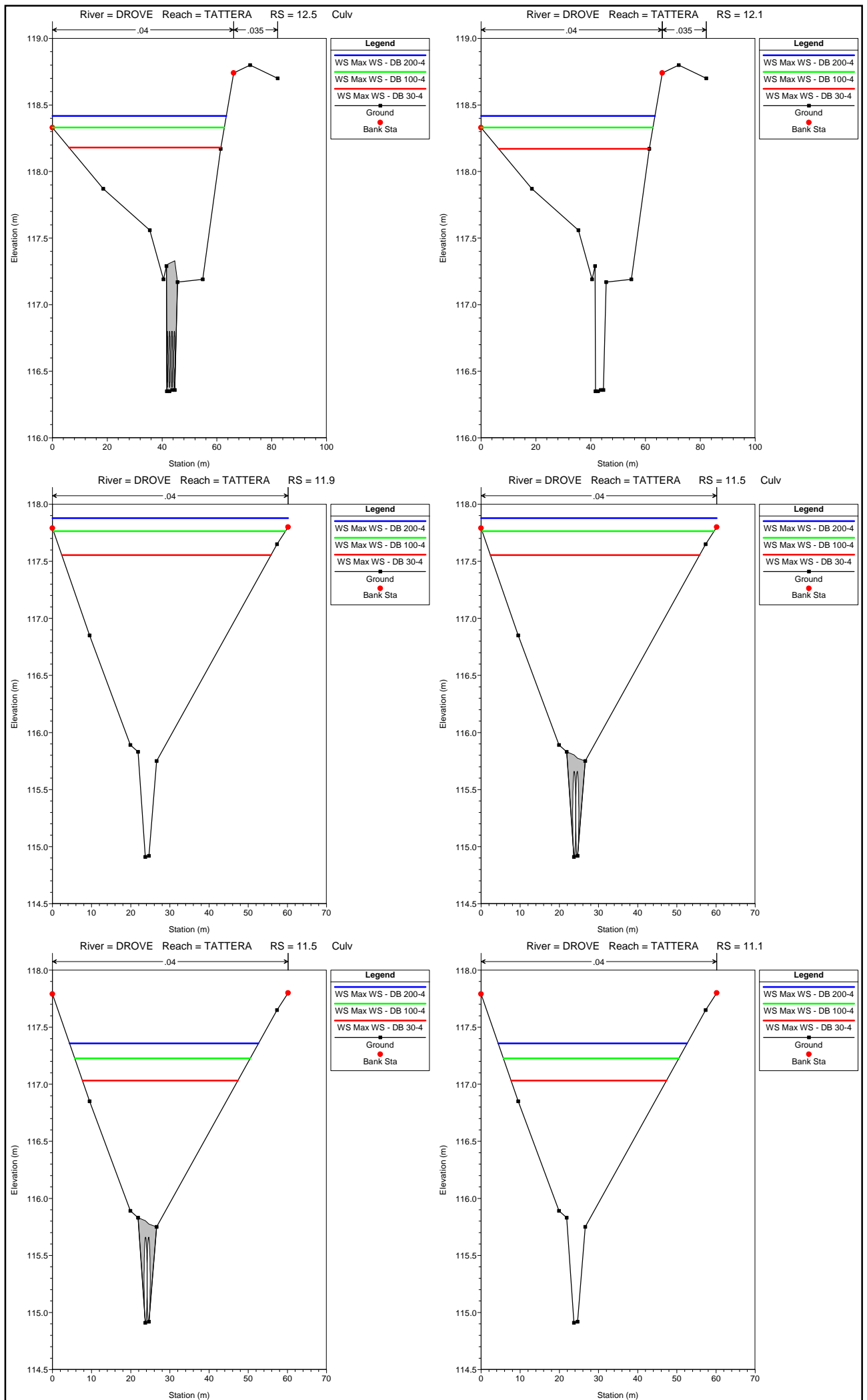


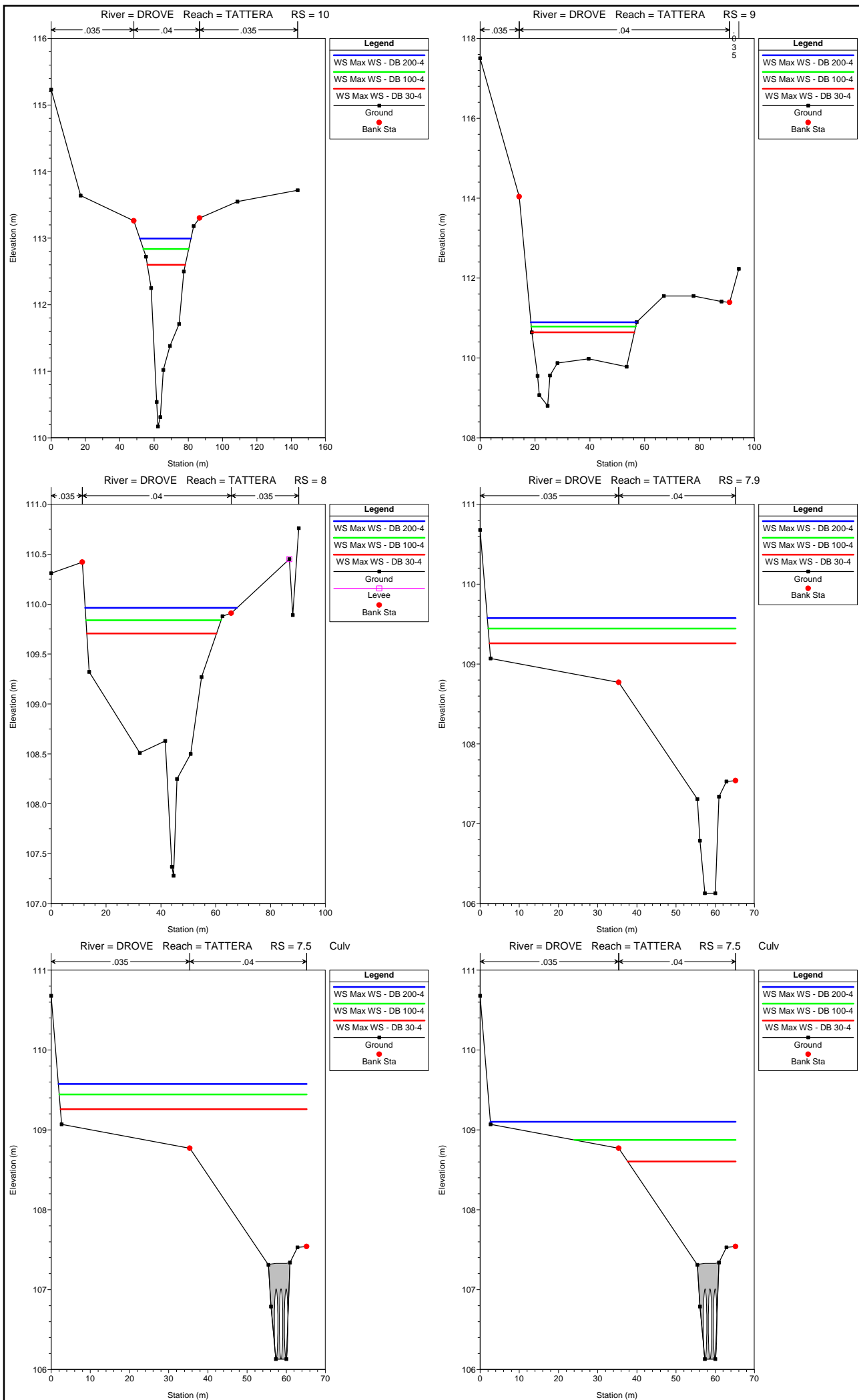


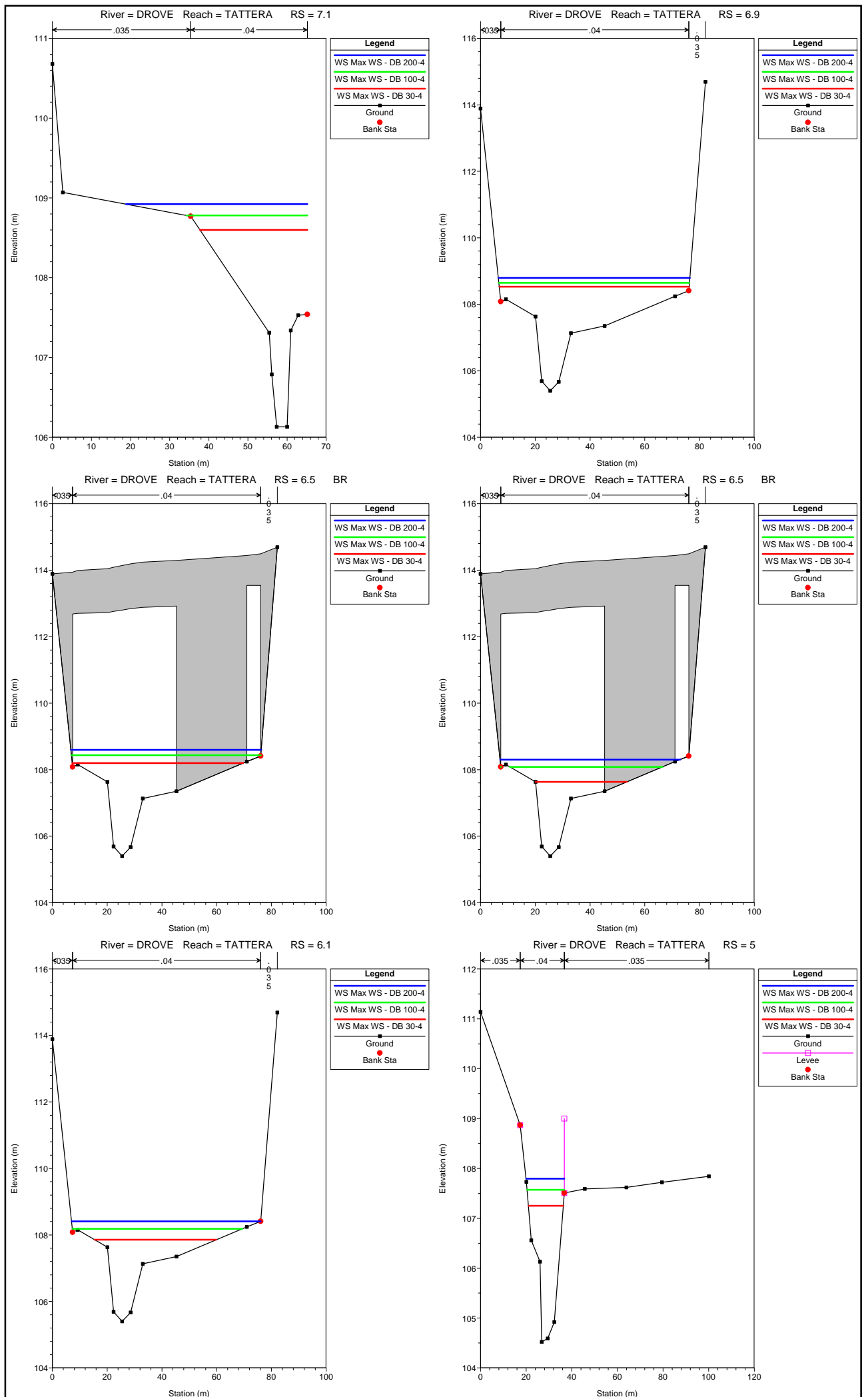


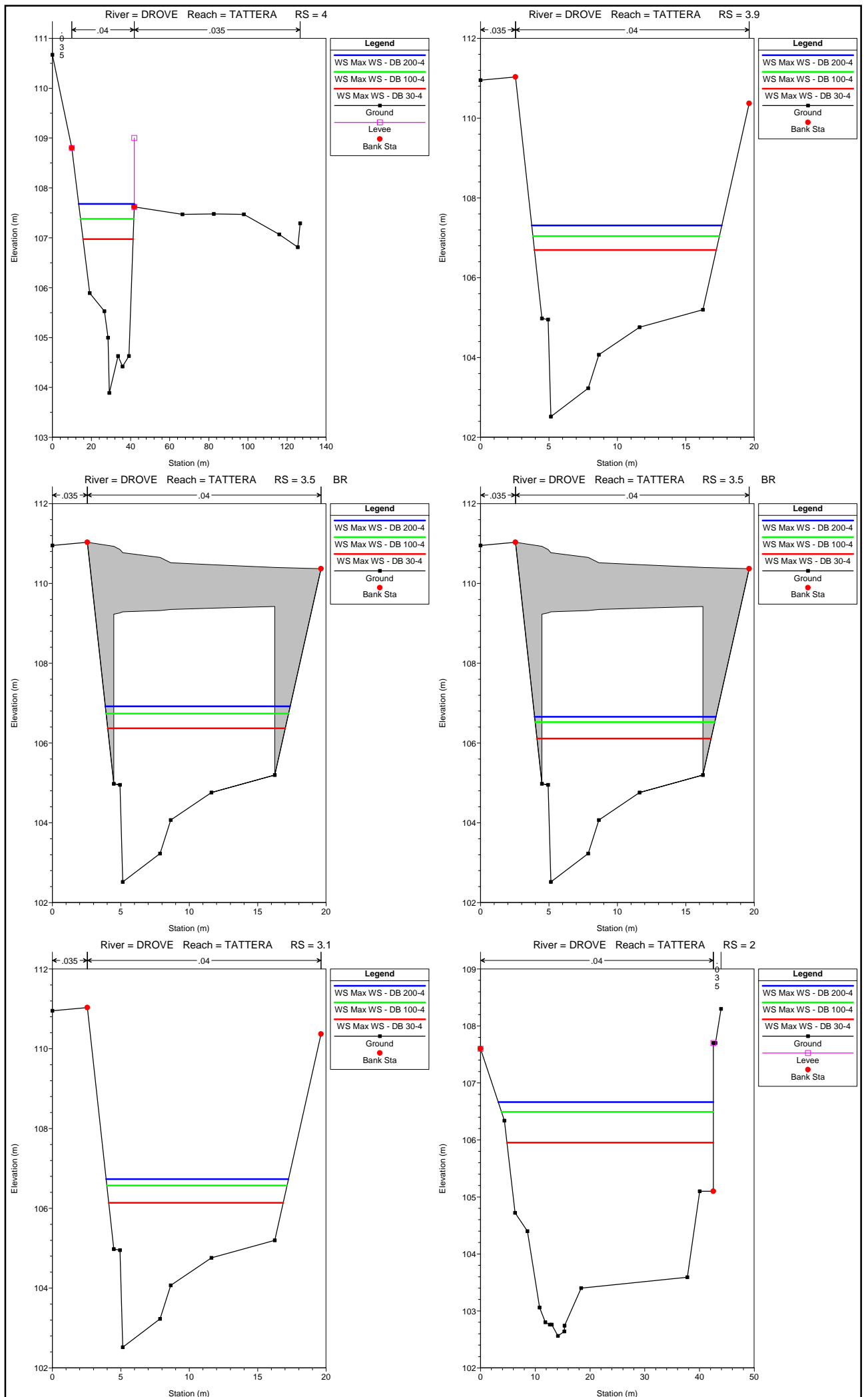


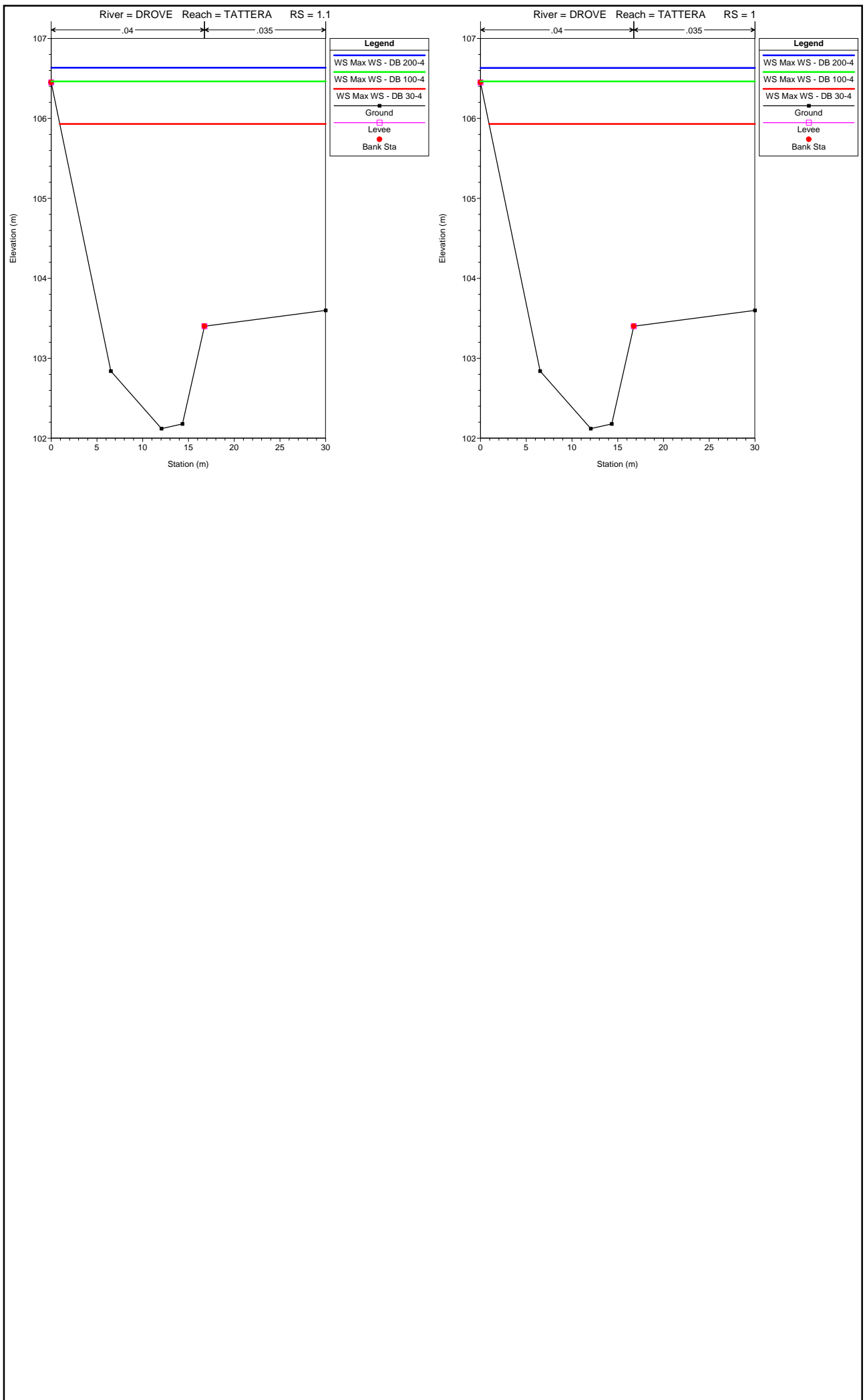


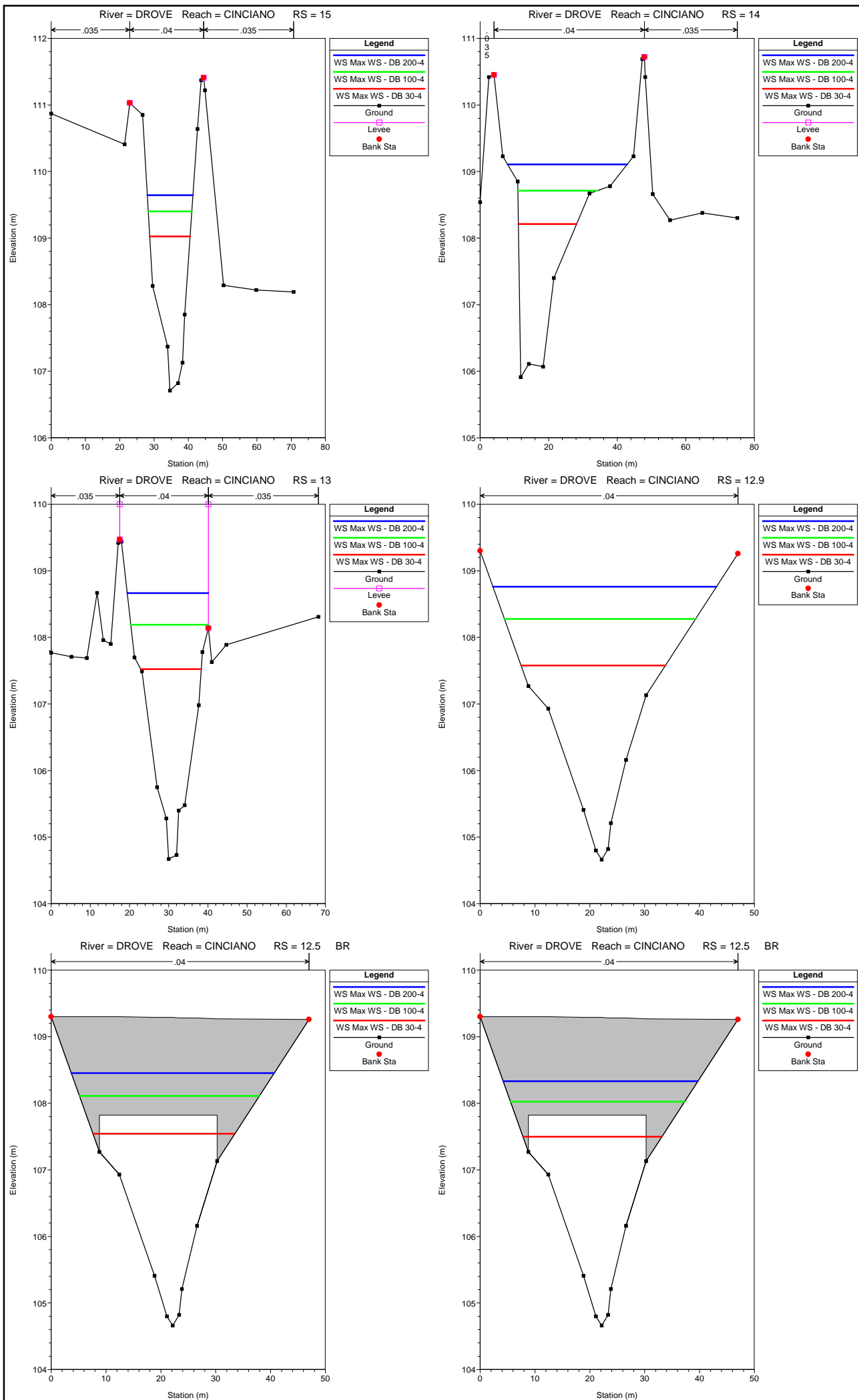


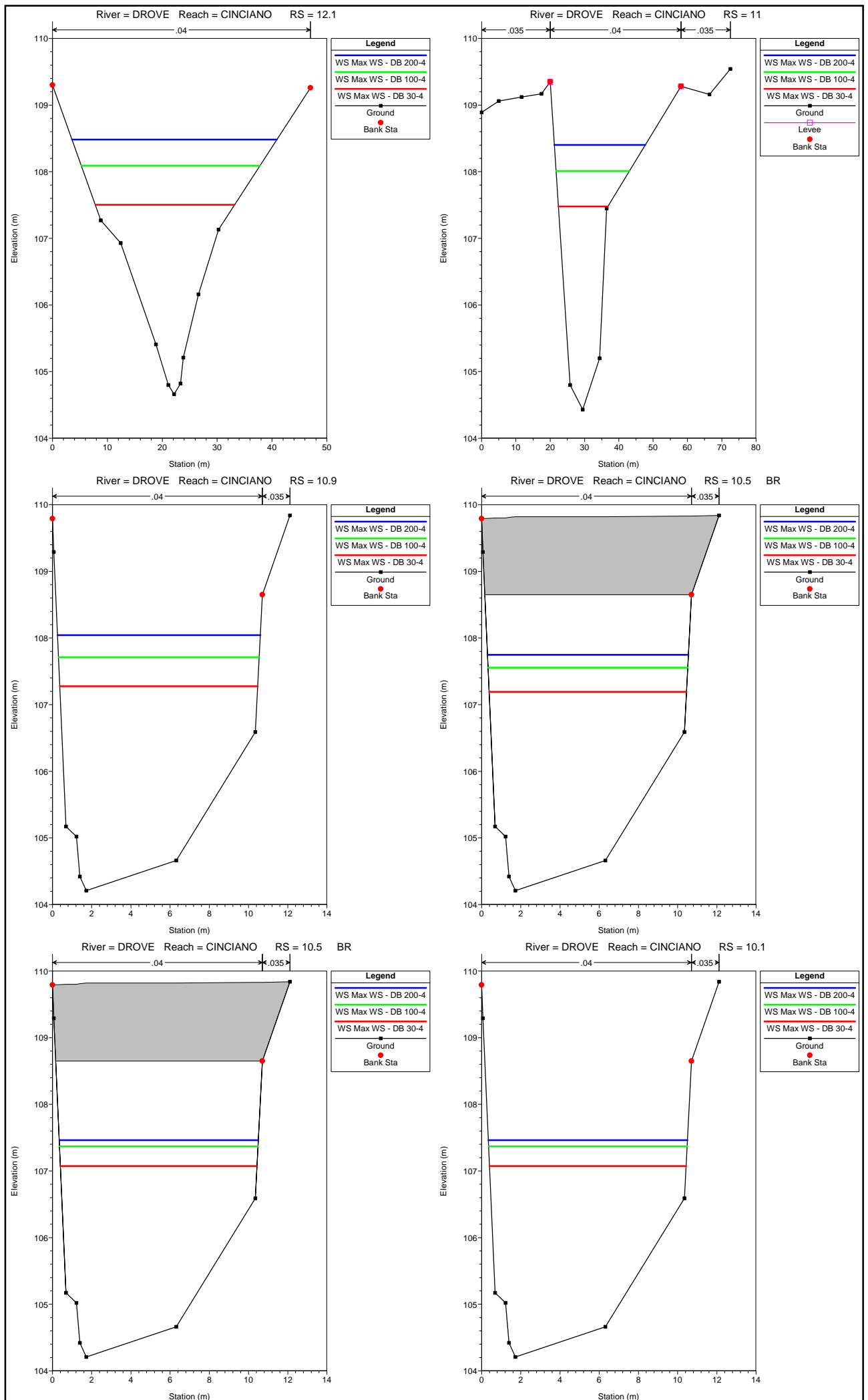


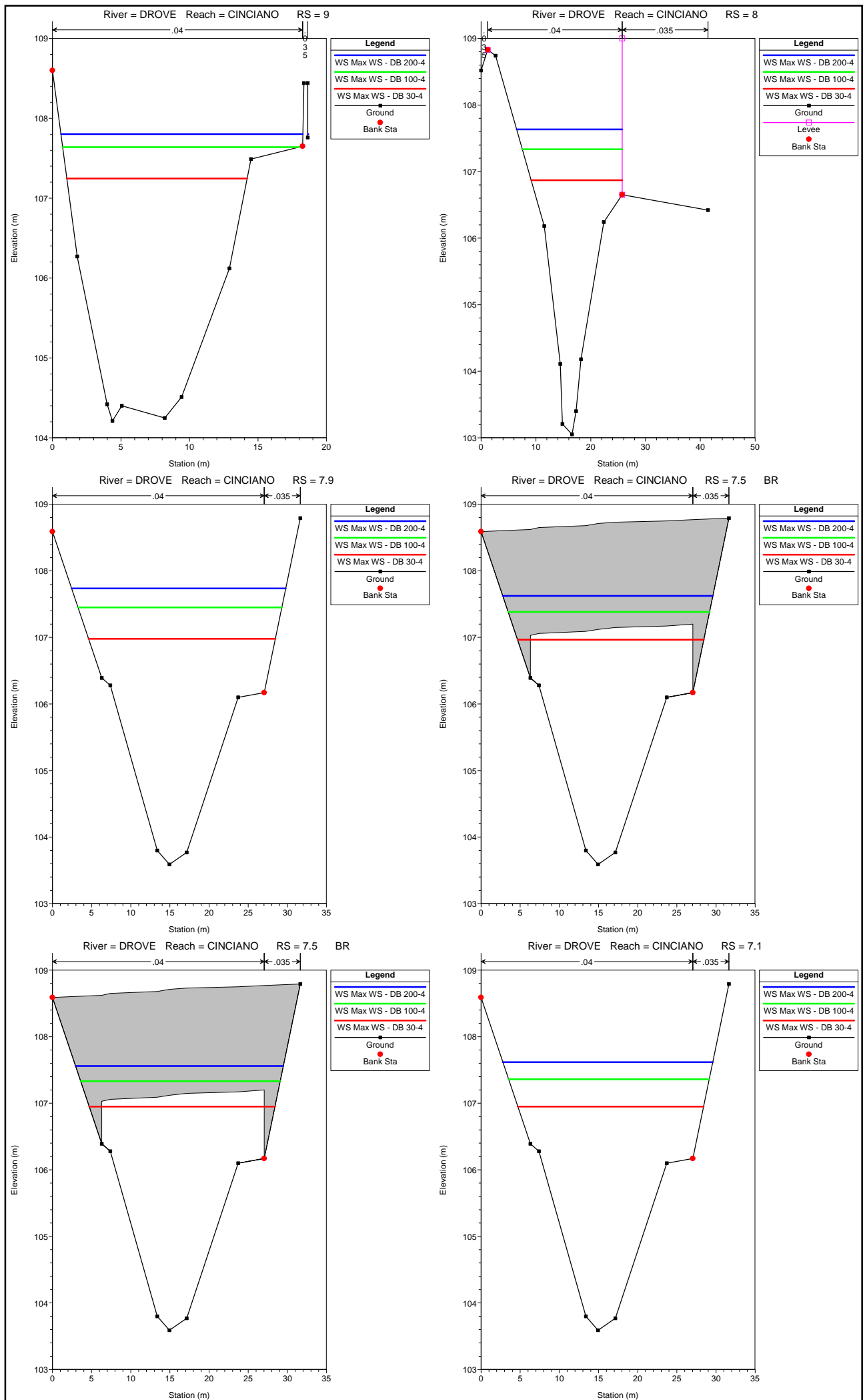


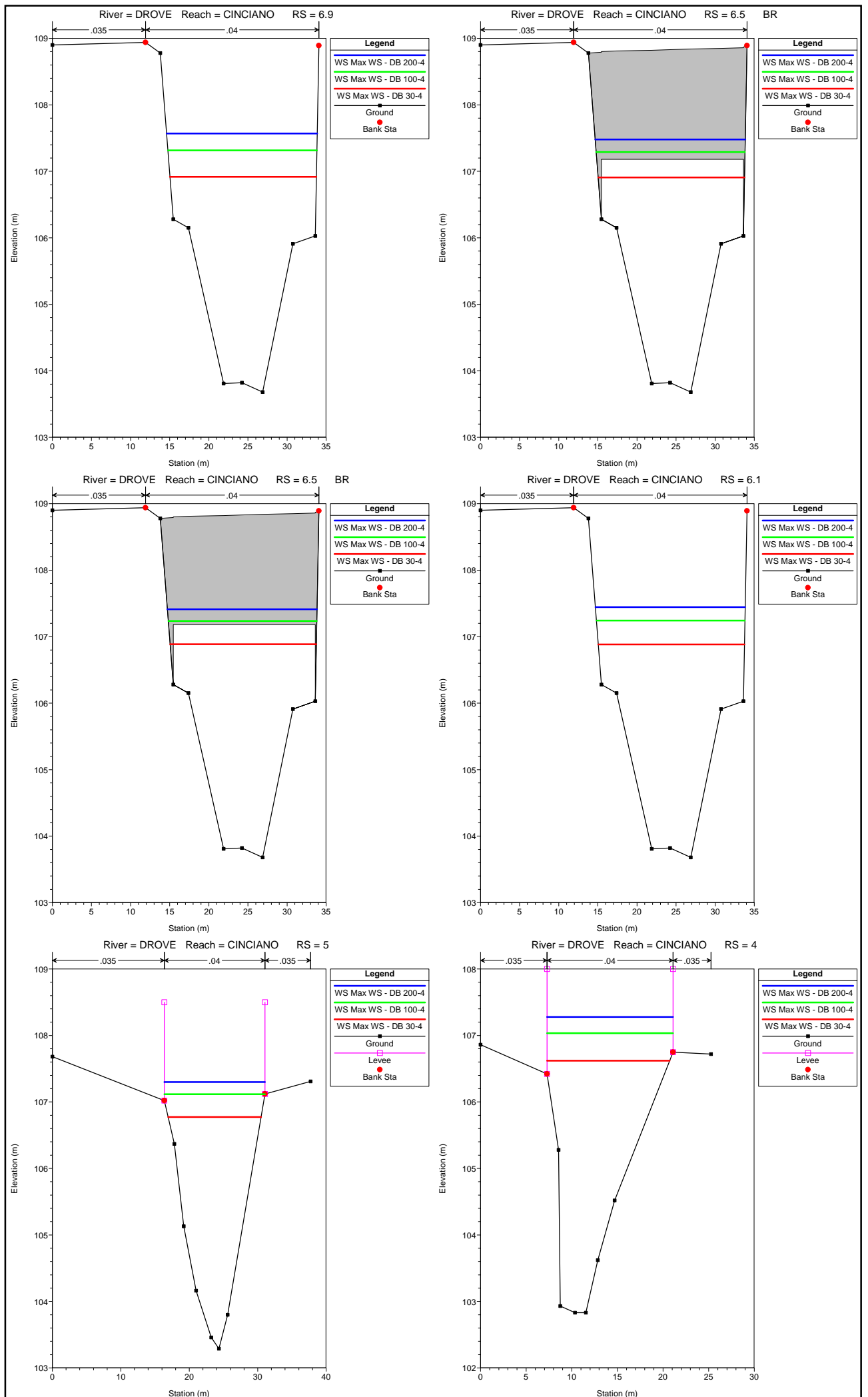


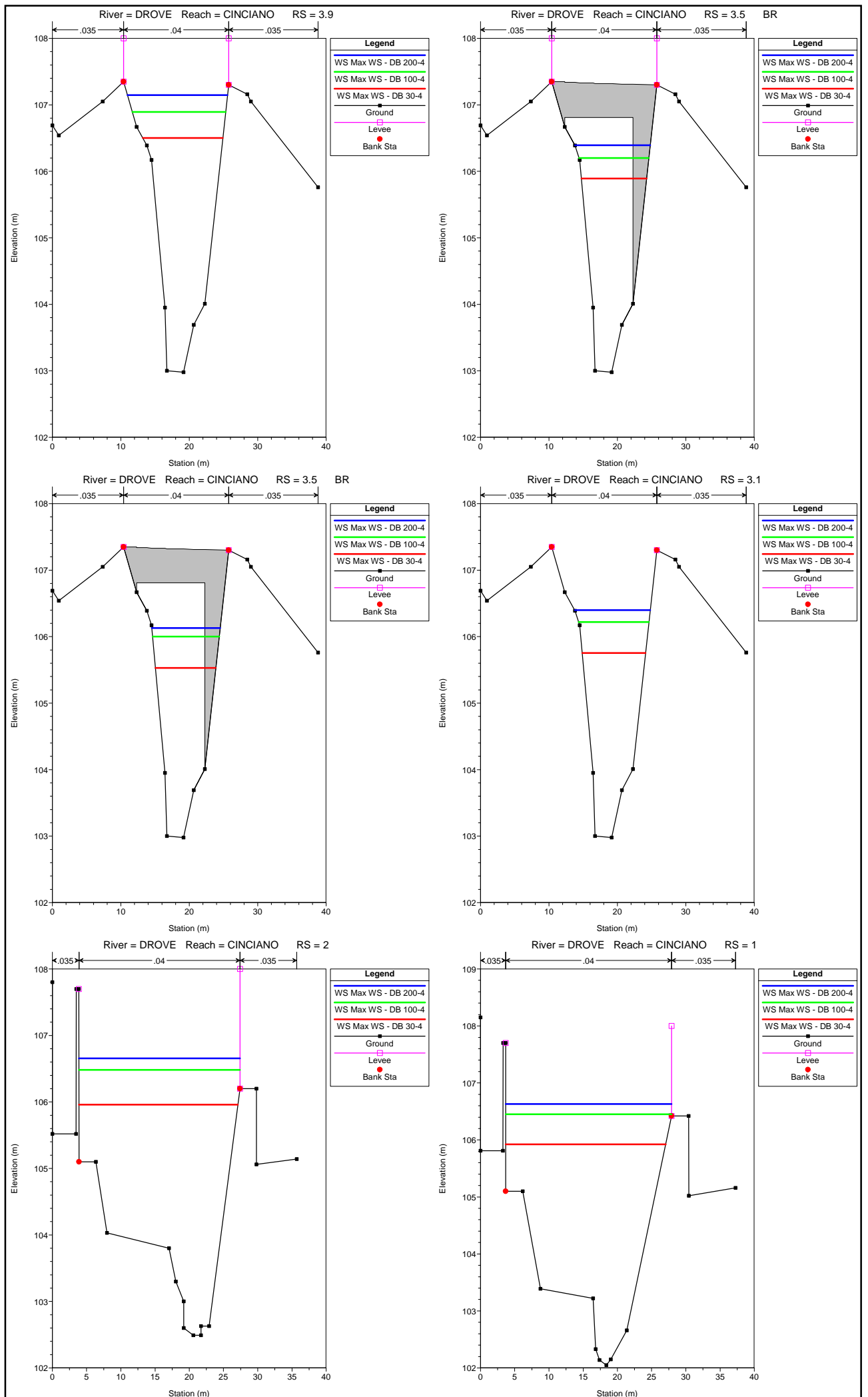


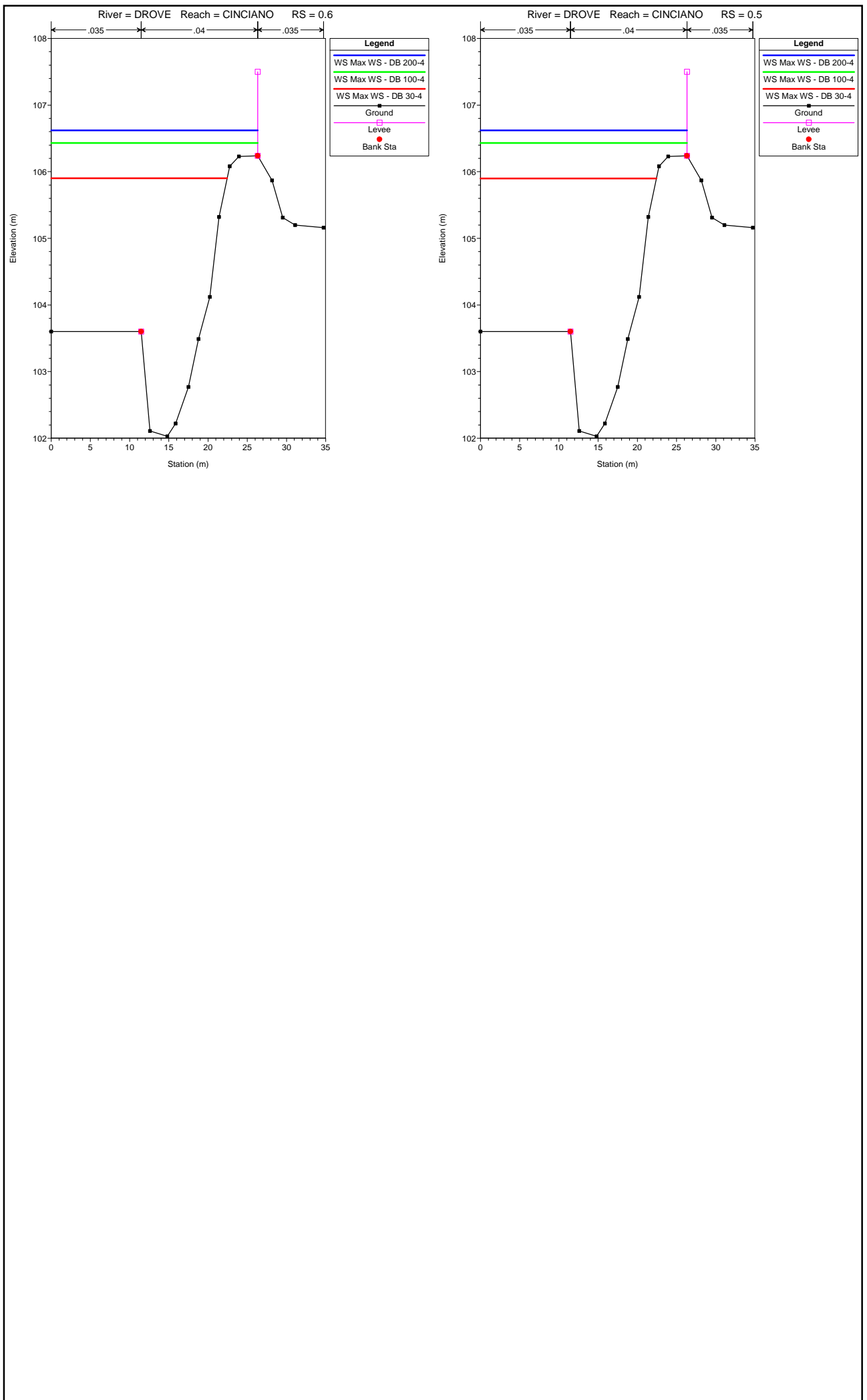


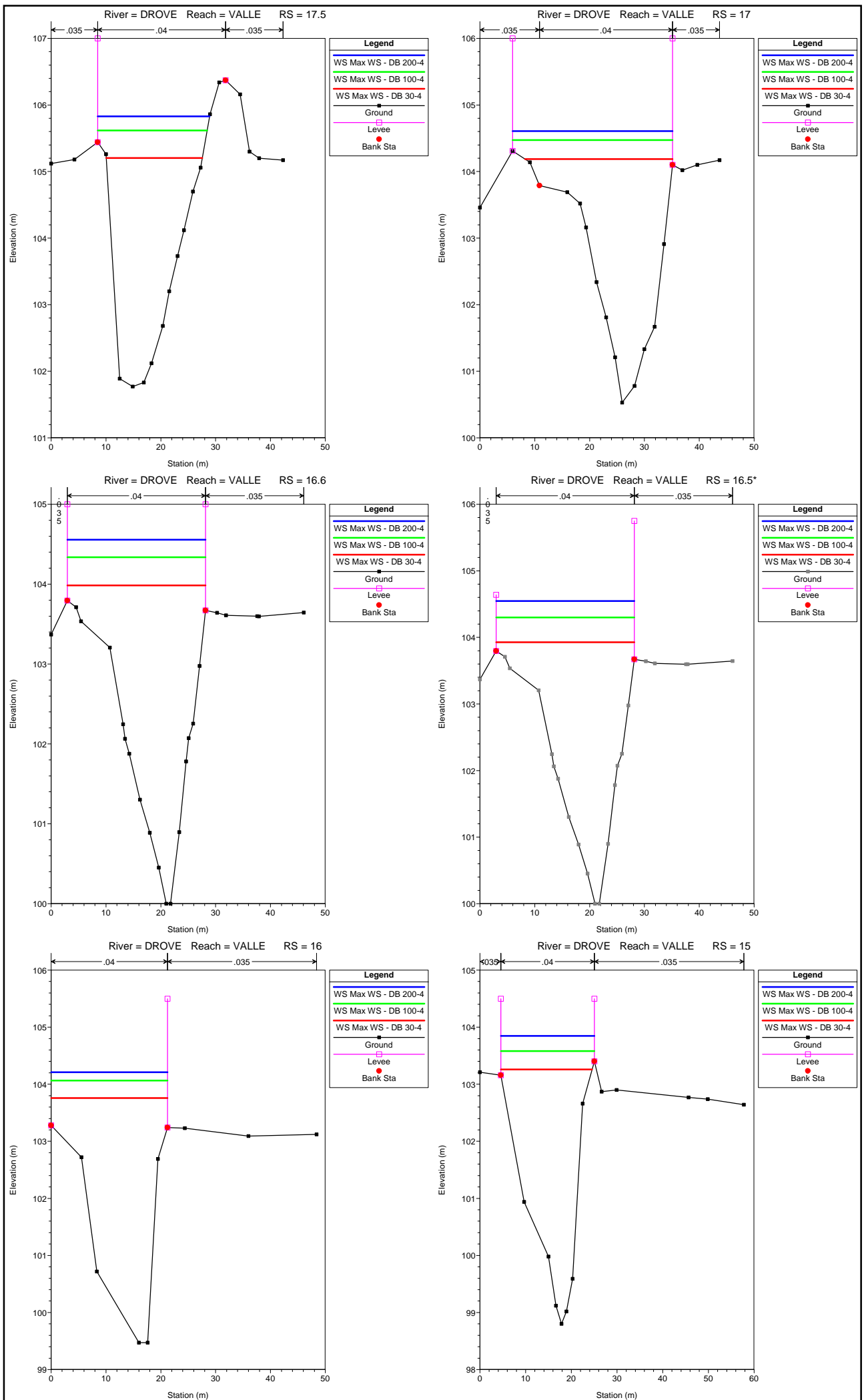


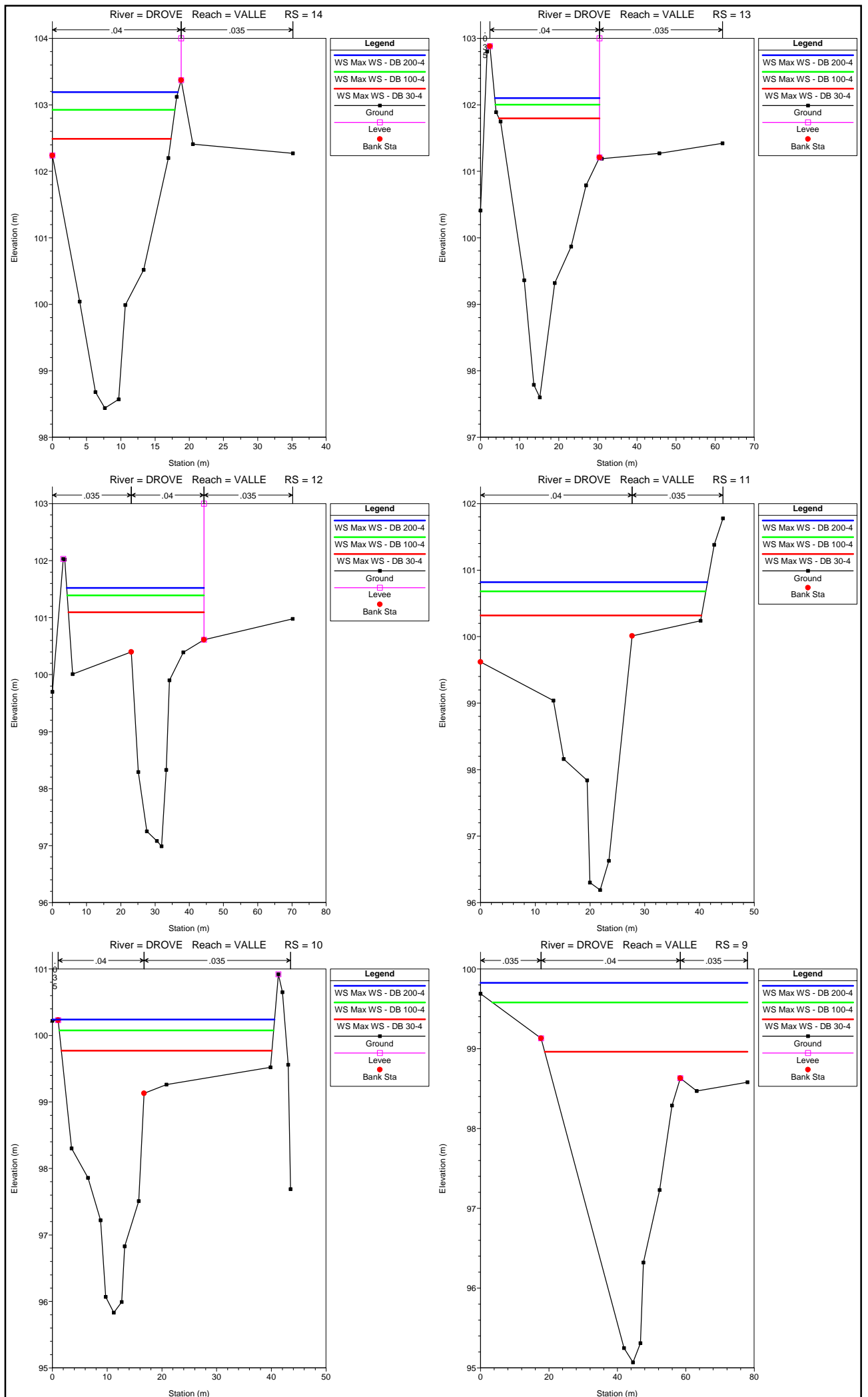


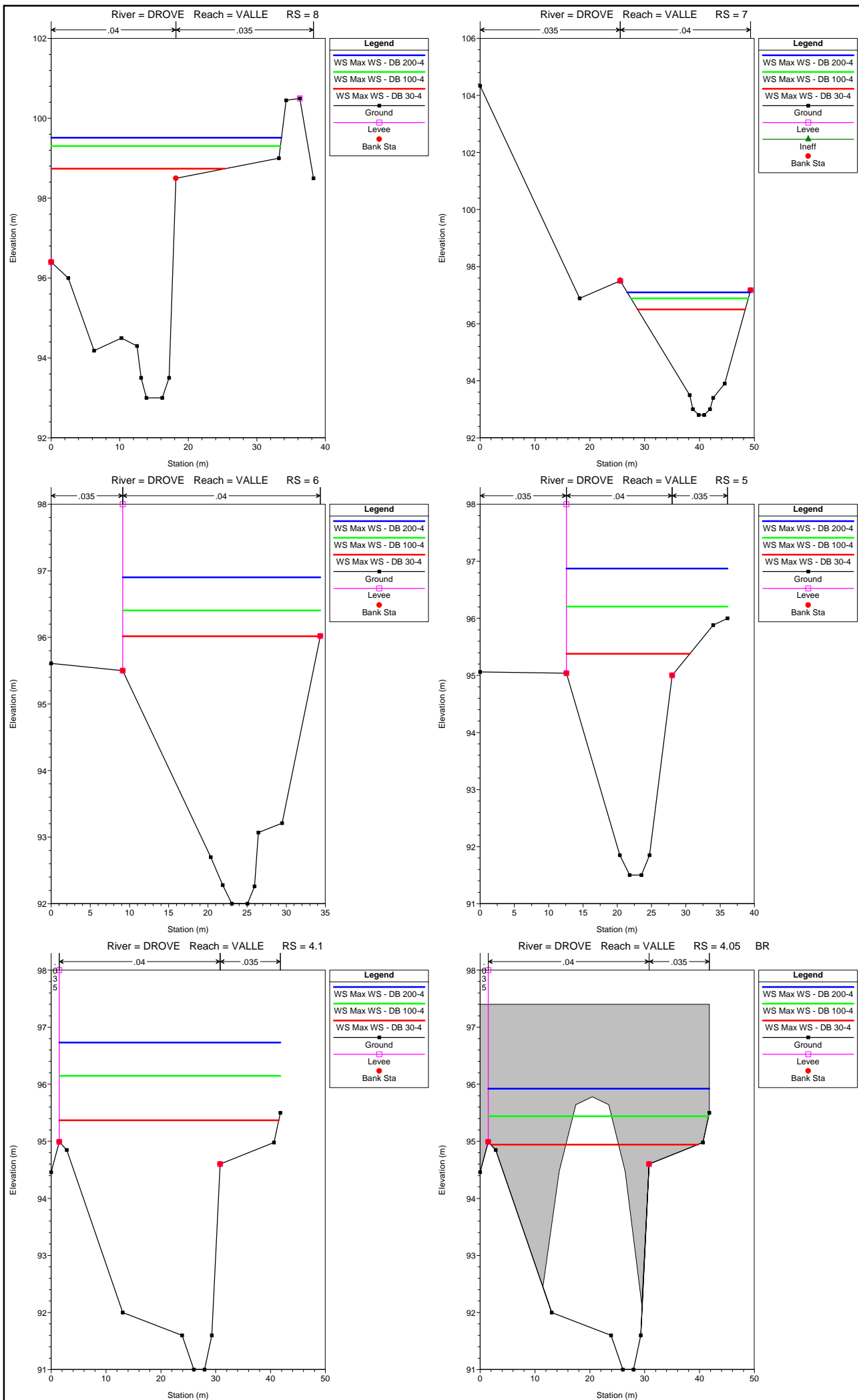


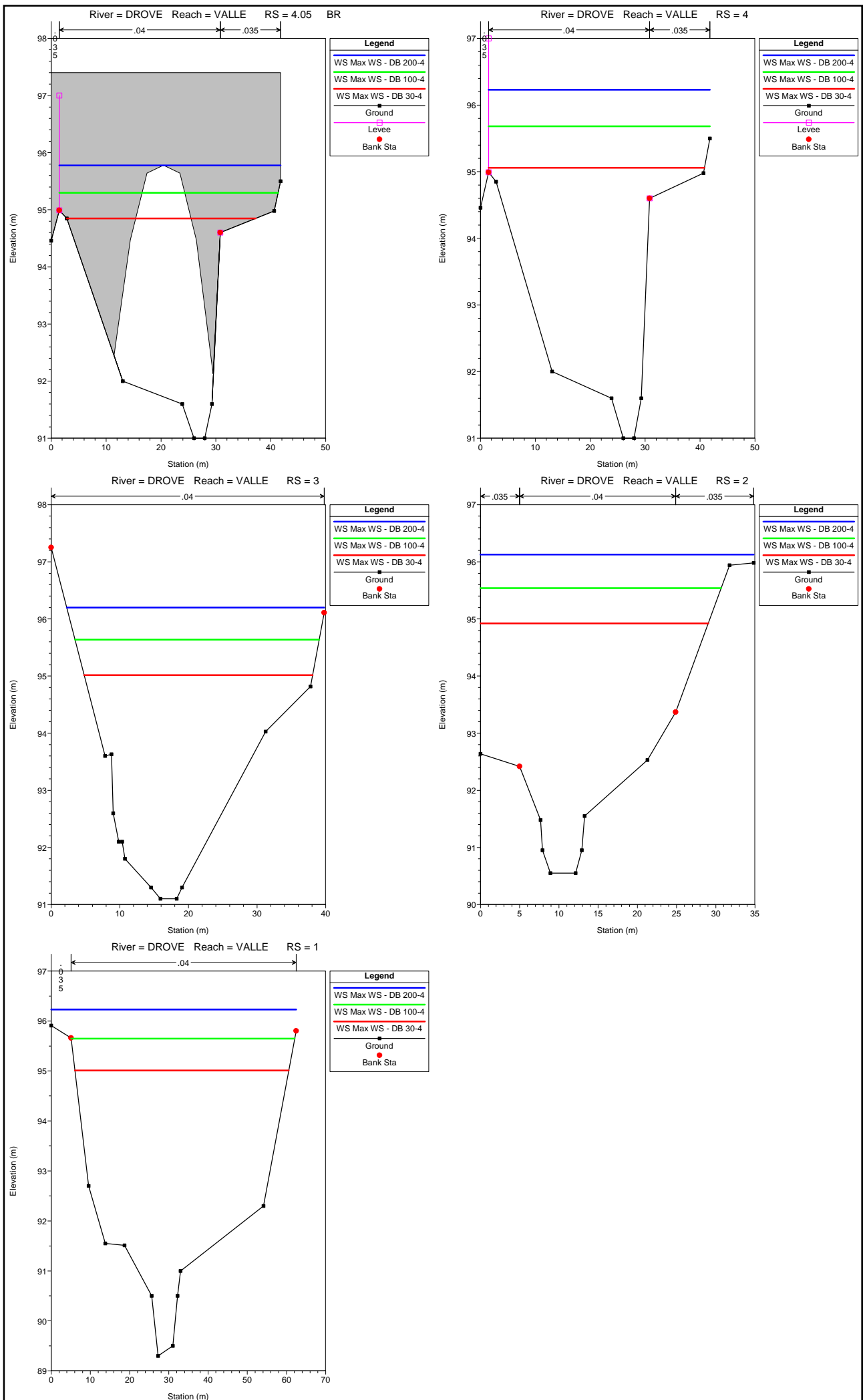










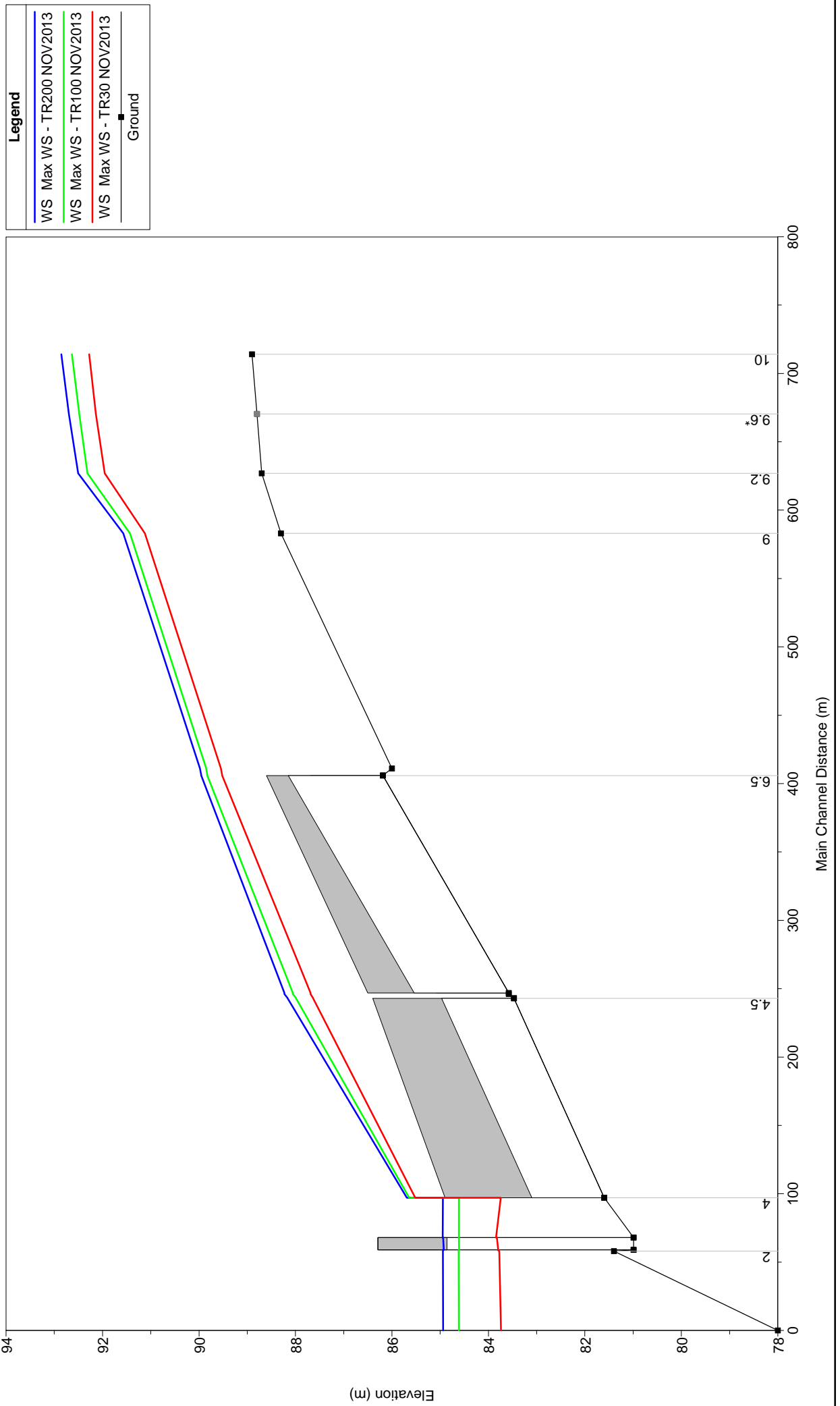


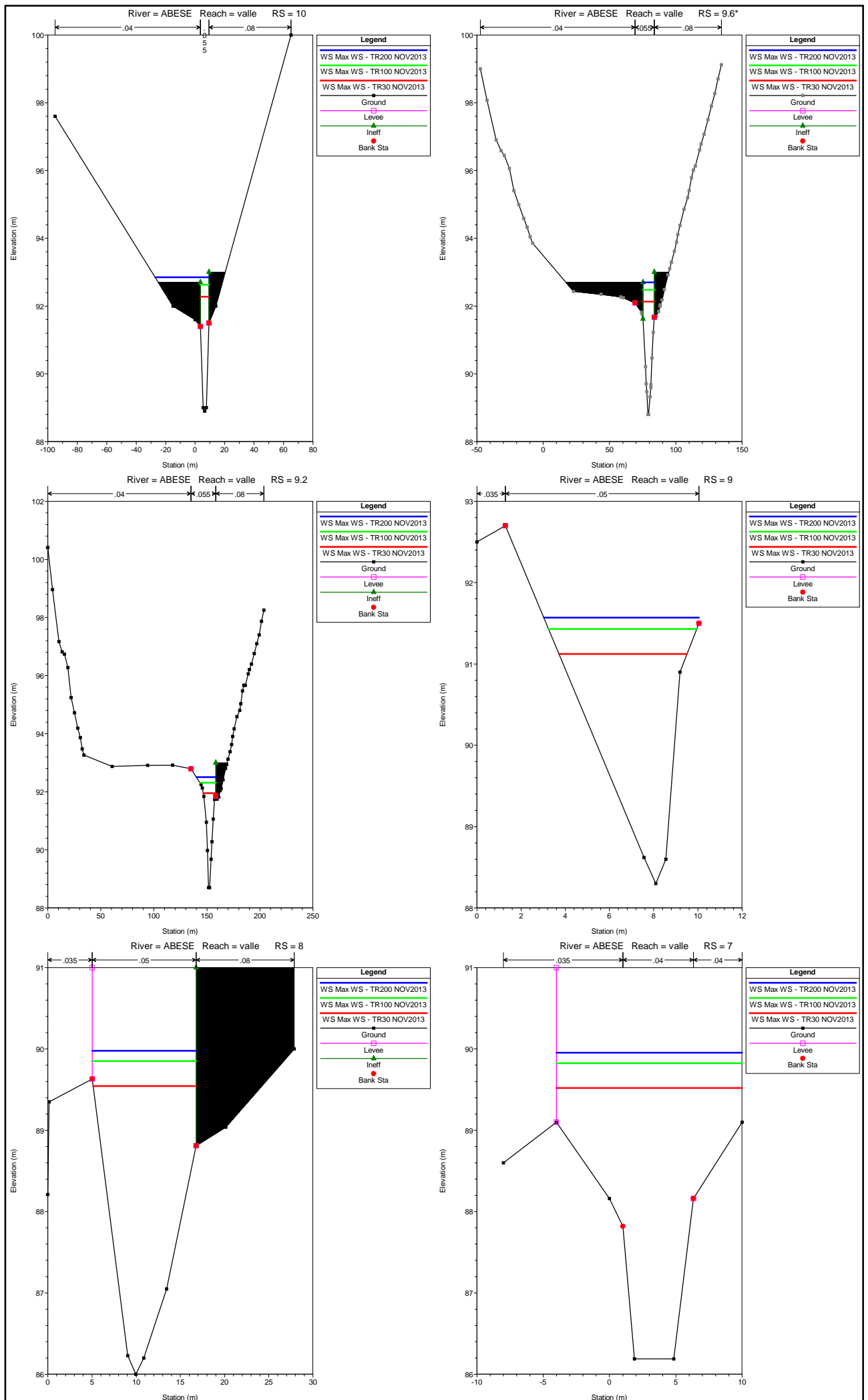
Reach	River Sta	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m ³ /s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m ²)	(m)	
valle	10	TR200 NOV2013	35.73	88.90	92.85		93.02	0.005406	1.86	22.49	36.50	0.34
valle	10	TR100 NOV2013	31.25	88.90	92.63		92.81	0.005847	1.88	16.65	5.79	0.35
valle	10	TR30 NOV2013	23.85	88.90	92.28		92.41	0.004835	1.64	14.58	5.79	0.33
valle	9.6*	TR200 NOV2013	35.69	88.80	92.70		92.83	0.003763	1.63	21.95	8.50	0.32
valle	9.6*	TR100 NOV2013	31.23	88.80	92.48		92.61	0.003678	1.55	20.12	8.50	0.32
valle	9.6*	TR30 NOV2013	23.83	88.80	92.14		92.23	0.003358	1.39	17.17	8.50	0.31
valle	9.2	TR200 NOV2013	35.70	88.70	92.51		92.61	0.005206	1.45	24.56	18.33	0.40
valle	9.2	TR100 NOV2013	31.18	88.70	92.31		92.42	0.004914	1.46	21.35	14.87	0.39
valle	9.2	TR30 NOV2013	23.80	88.70	91.95		92.06	0.004825	1.42	16.70	11.79	0.38
valle	9	TR200 NOV2013	35.69	88.30	91.57		92.08	0.021725	3.17	11.25	7.02	0.80
valle	9	TR100 NOV2013	31.17	88.30	91.43		91.90	0.021035	3.03	10.28	6.71	0.78
valle	9	TR30 NOV2013	23.79	88.30	91.12		91.53	0.020749	2.84	8.37	5.79	0.76
valle	8.9		Lat Struct									
valle	8	TR200 NOV2013	34.00	86.00	89.98		90.04	0.001184	1.10	30.79	11.76	0.22
valle	8	TR100 NOV2013	30.60	86.00	89.85		89.91	0.001107	1.04	29.29	11.76	0.21
valle	8	TR30 NOV2013	23.73	86.00	89.54		89.59	0.000970	0.92	25.69	11.66	0.20
valle	7	TR200 NOV2013	33.04	86.19	89.95		90.02	0.000795	1.28	29.98	14.00	0.22
valle	7	TR100 NOV2013	29.92	86.19	89.83		89.89	0.000777	1.23	28.20	14.00	0.22
valle	7	TR30 NOV2013	23.54	86.19	89.52		89.58	0.000766	1.15	23.92	14.00	0.21
valle	6.5		Culvert									
valle	6	TR200 NOV2013	33.04	83.58	88.23		88.32	0.000691	1.44	25.90	7.82	0.21
valle	6	TR100 NOV2013	29.92	83.58	88.05		88.14	0.000660	1.37	24.53	7.82	0.21
valle	6	TR30 NOV2013	23.54	83.58	87.69		87.75	0.000578	1.21	21.66	7.82	0.19
valle	5	TR200 NOV2013	33.04	83.47	88.16		88.32	0.001753	1.88	19.41	6.42	0.28
valle	5	TR100 NOV2013	29.92	83.47	87.99		88.13	0.001691	1.81	18.31	6.42	0.27
valle	5	TR30 NOV2013	23.54	83.47	87.63		87.75	0.001518	1.62	16.03	6.42	0.25
valle	4.5		Culvert									
valle	4	TR200 NOV2013	2.69	81.60	84.94		84.95	0.000043	0.22	12.29	5.82	0.04
valle	4	TR100 NOV2013	2.12	81.60	84.61		84.62	0.000037	0.20	10.78	4.40	0.04
valle	4	TR30 NOV2013	2.50	81.60	83.74		83.75	0.000151	0.35	7.15	3.93	0.08
valle	3	TR200 NOV2013	19.77	80.99	84.95	82.13	84.99	0.000181	0.96	20.57	12.59	0.15
valle	3	TR100 NOV2013	6.41	80.99	84.61	81.53	84.62	0.000025	0.34	18.84	12.20	0.06
valle	3	TR30 NOV2013	23.54	80.99	83.84	82.26	83.97	0.000764	1.59	14.83	11.29	0.30
valle	2.95		Bridge									
valle	2.9	TR200 NOV2013	2.57	80.99	84.94		84.94	0.000003	0.13	20.55	12.58	0.02
valle	2.9	TR100 NOV2013	2.07	80.99	84.61		84.61	0.000003	0.11	18.83	12.20	0.02
valle	2.9	TR30 NOV2013	23.53	80.99	83.81		83.94	0.000794	1.61	14.65	11.25	0.31
valle	2	TR200 NOV2013	19.77	81.40	84.94		84.96	0.000210	0.61	34.78	17.77	0.12
valle	2	TR100 NOV2013	20.00	81.40	84.61		84.64	0.000375	0.76	28.93	17.77	0.16
valle	2	TR30 NOV2013	23.53	81.40	83.78		83.94	0.004154	1.93	14.05	17.15	0.53
valle	1	TR200 NOV2013	1.00	78.00	84.94	78.57	84.94	0.000000	0.01	114.68	39.93	0.00
valle	1	TR100 NOV2013	1.00	78.00	84.61	78.57	84.61	0.000000	0.01	101.50	39.93	0.00
valle	1	TR30 NOV2013	1.00	78.00	83.74	78.57	83.74	0.000000	0.02	66.76	39.93	0.00

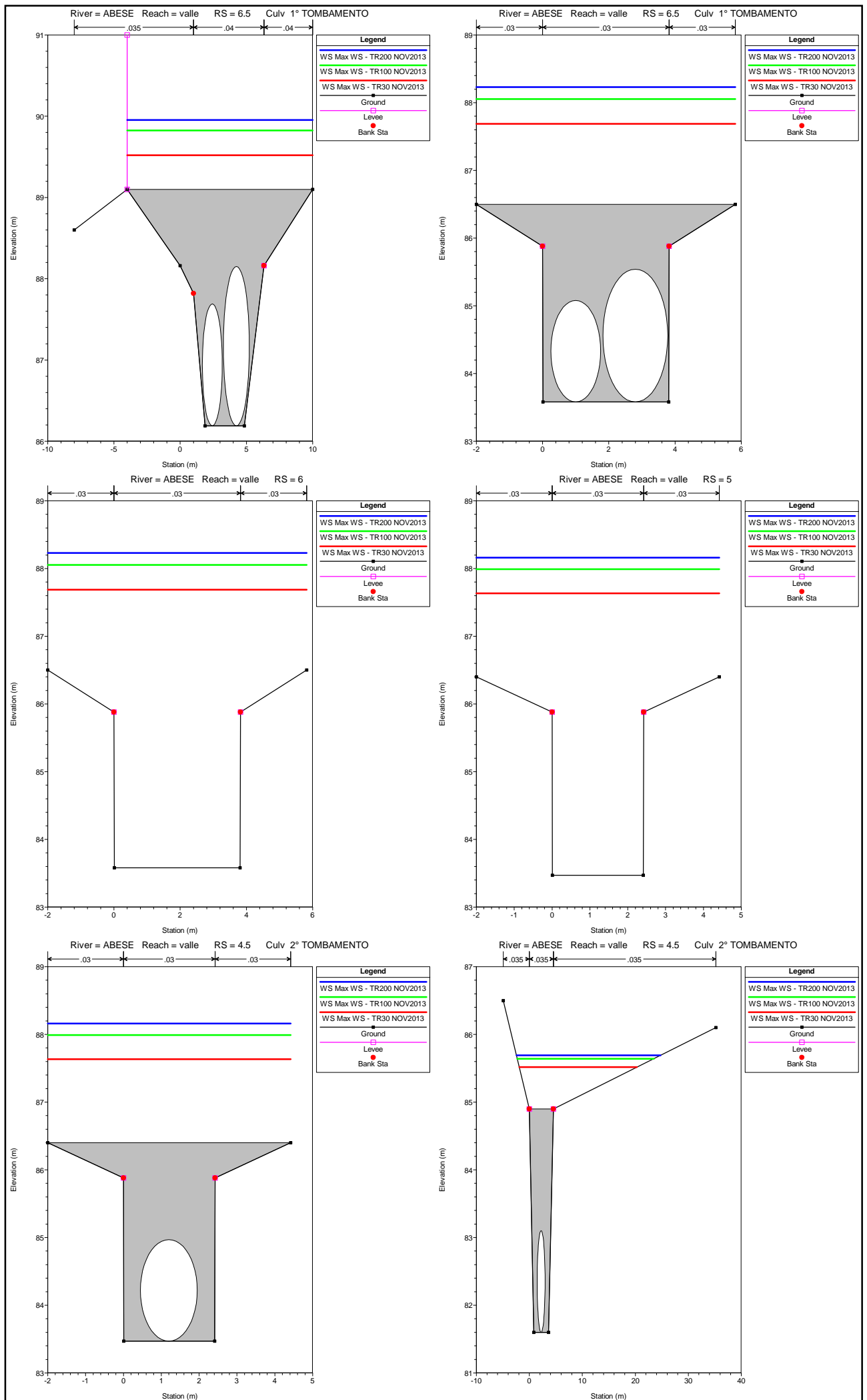
HEC-RAS Profile: Max WS

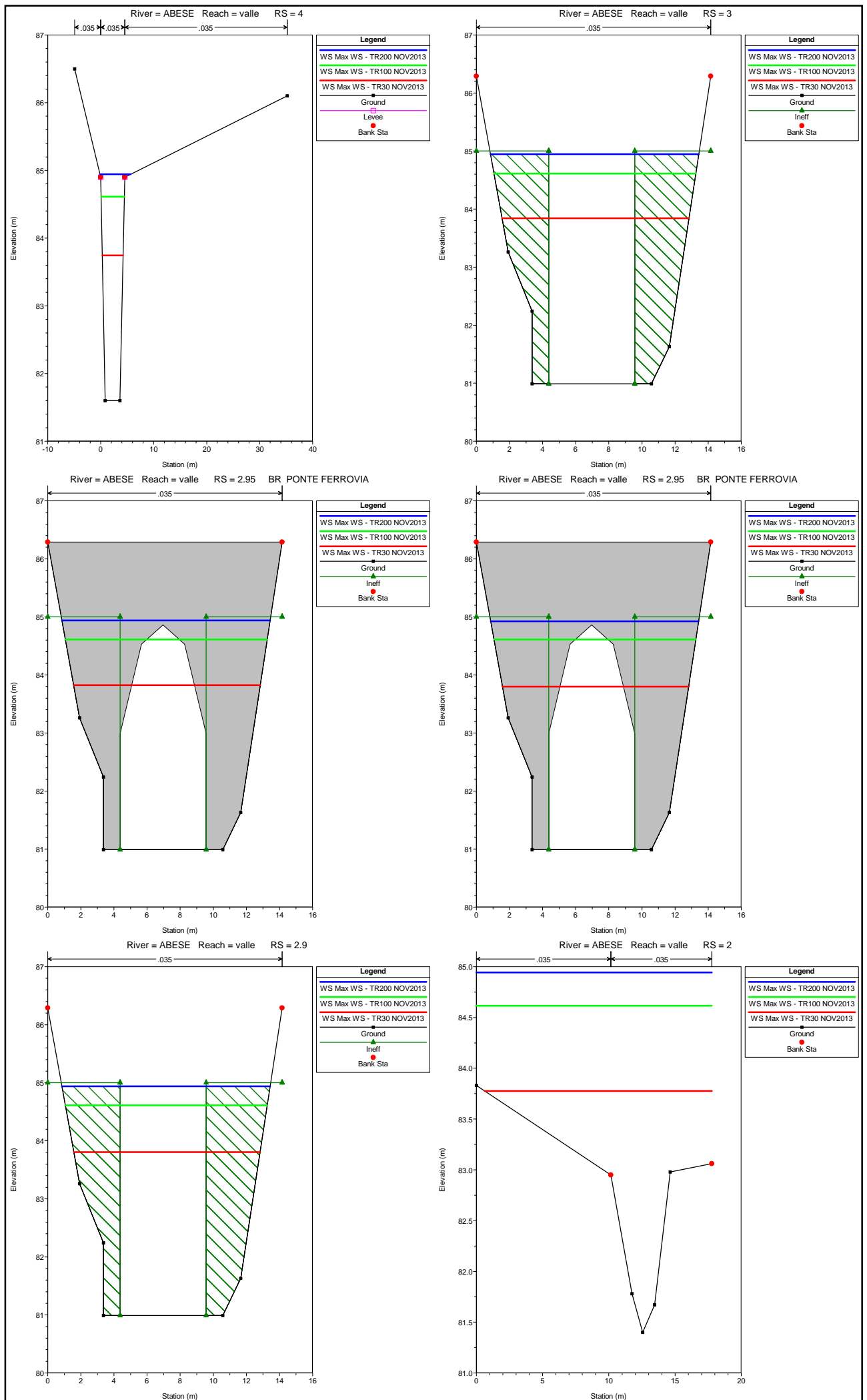
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
APE 1	TR200 NOV2013	88.62	87.30	2.63	11.07	3.07
APE 1	TR100 NOV2013	88.39	87.30	1.21	5.07	1.19
APE 1	TR30 NOV2013	88.11	87.30	0.19	0.68	0.17

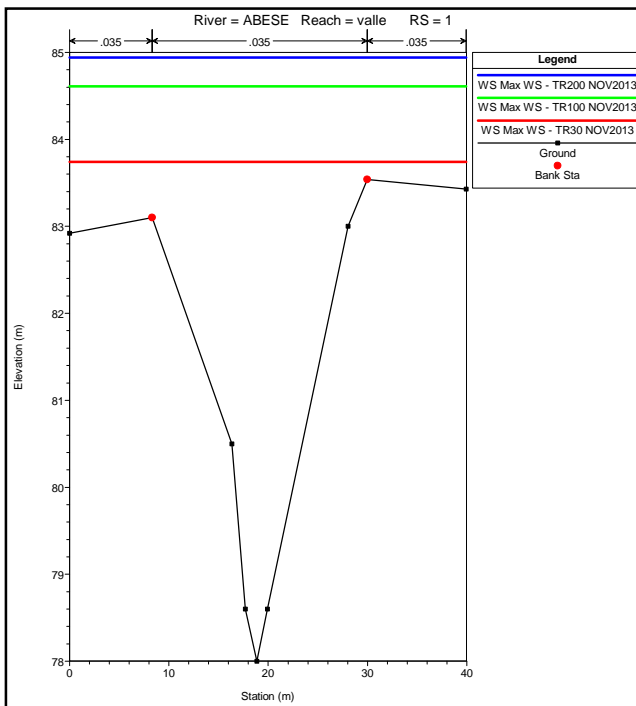
BOTRO DELL'ABESE





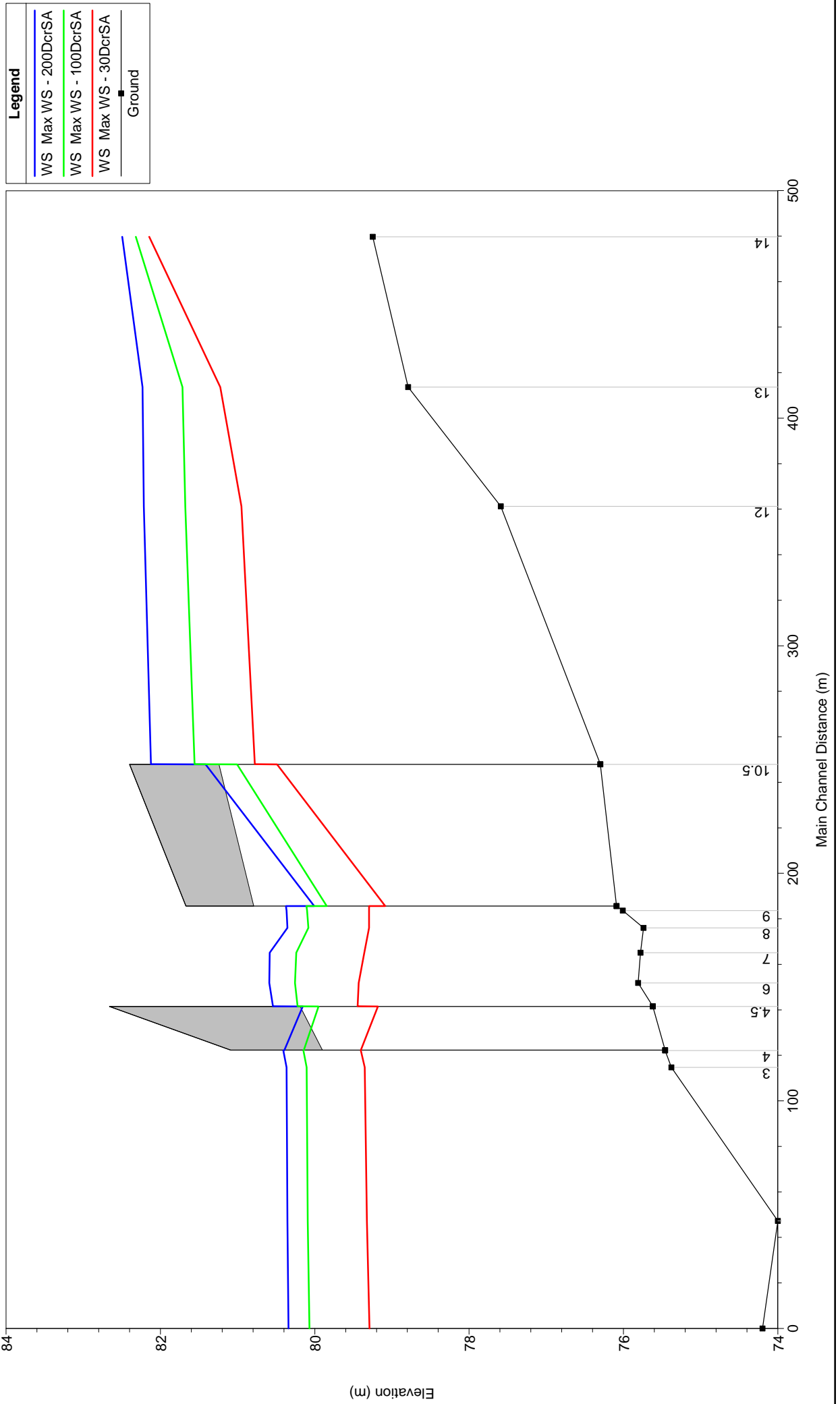


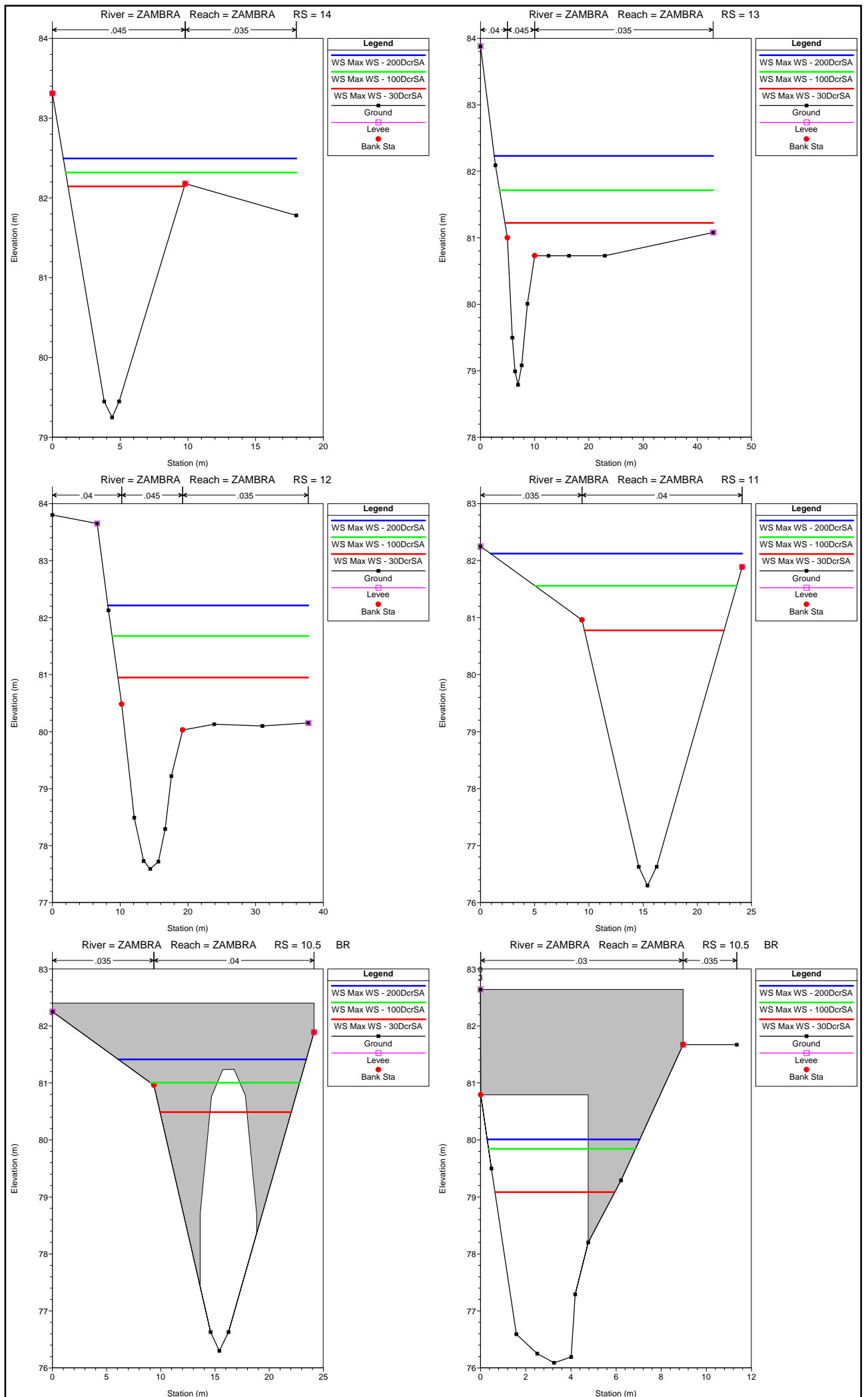


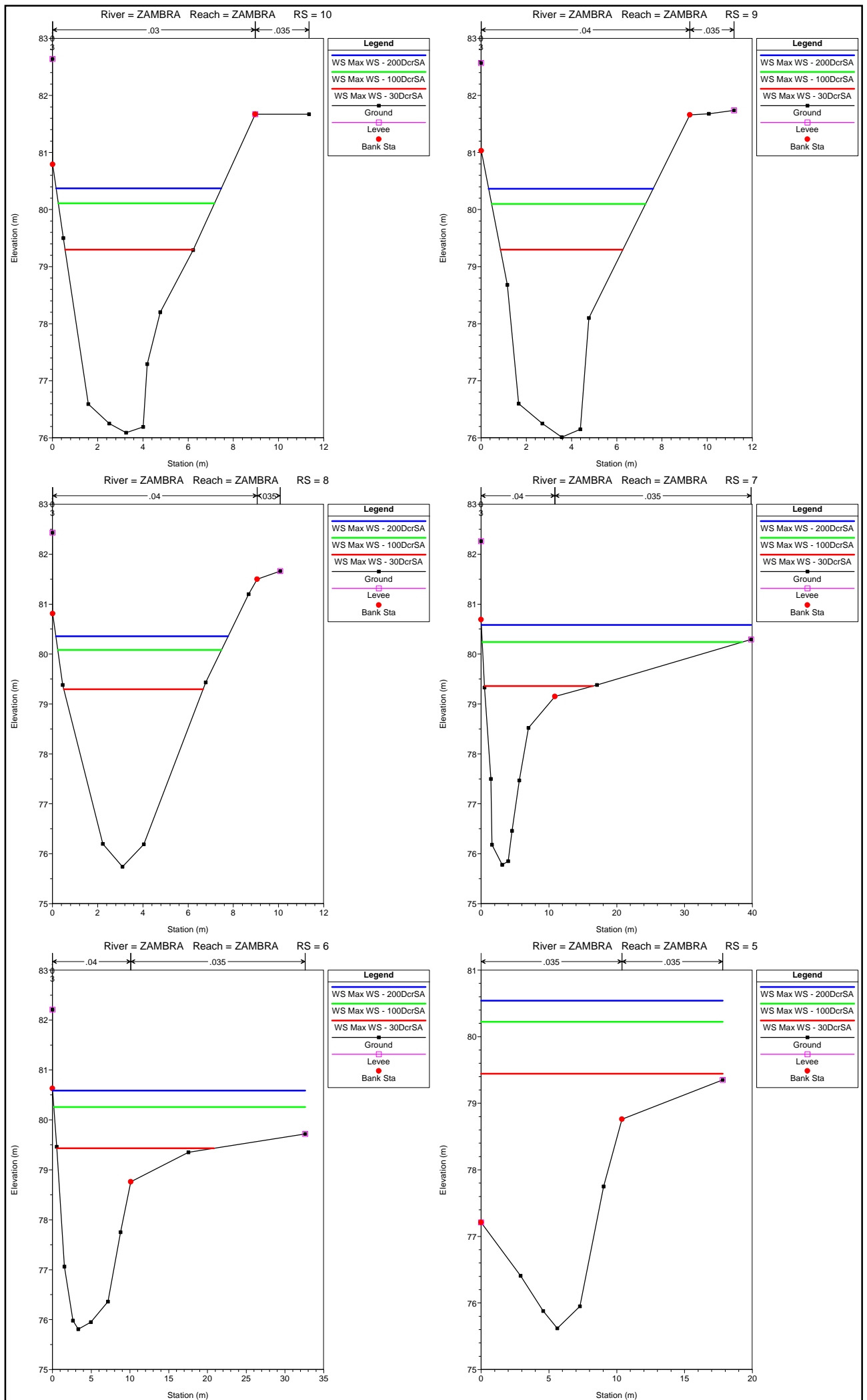


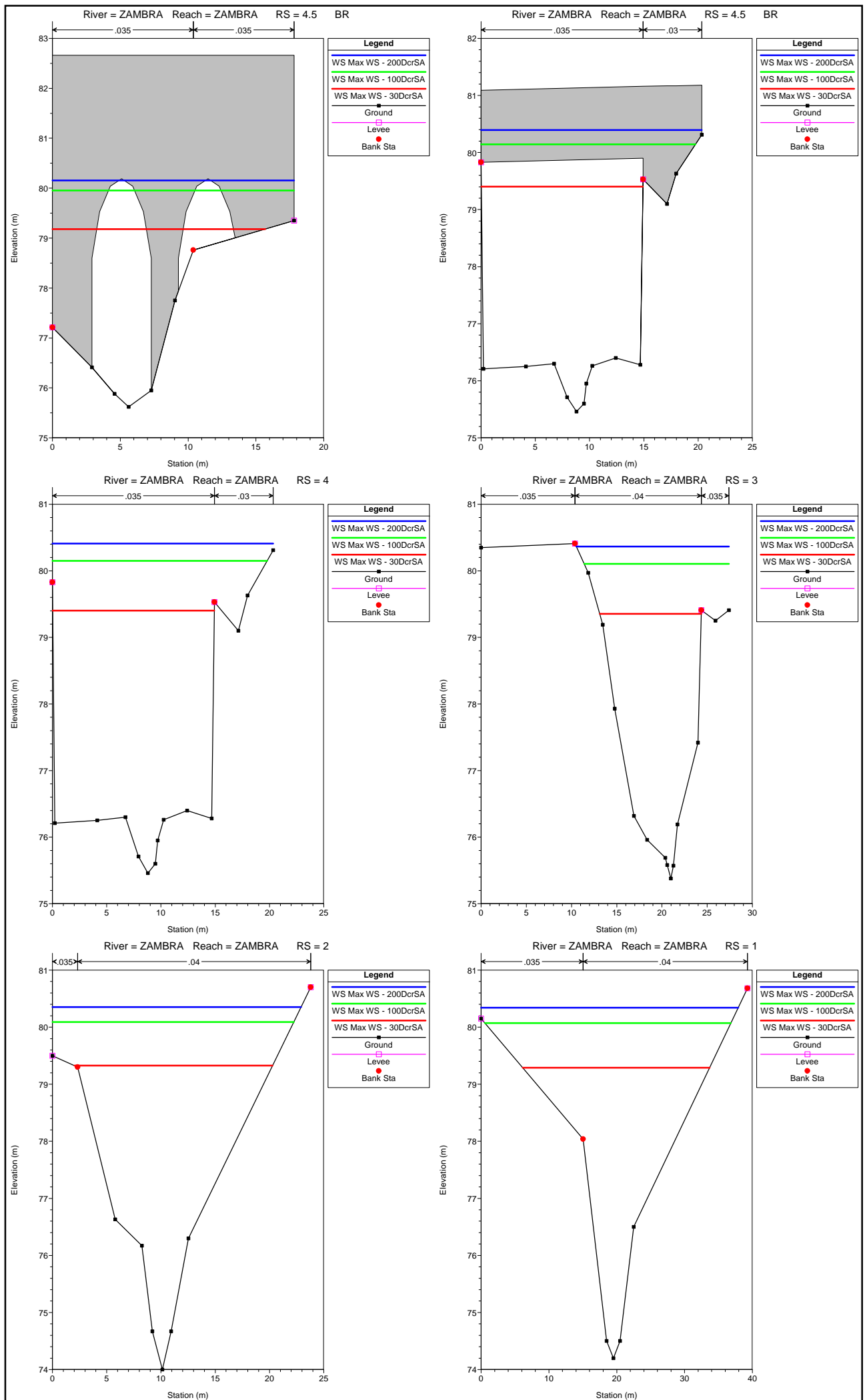
Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
ZAMBRA	14	Max WS	200DcrSA	63.80	79.25	82.50	82.48	83.03	0.013952	3.39	20.47	17.19	0.81
ZAMBRA	14	Max WS	100DcrSA	55.15	79.25	82.32	82.38	82.88	0.015931	3.44	17.45	17.02	0.85
ZAMBRA	14	Max WS	30DcrSA	42.09	79.25	82.15		82.67	0.015293	3.20	13.16	8.59	0.82
ZAMBRA	13	Max WS	200DcrSA	62.70	78.79	82.23		82.29	0.000926	1.03	60.19	40.39	0.21
ZAMBRA	13	Max WS	100DcrSA	54.41	78.79	81.71		81.81	0.002686	1.51	39.56	39.42	0.34
ZAMBRA	13	Max WS	30DcrSA	43.35	78.79	81.22	81.26	81.49	0.013019	2.76	20.51	38.43	0.72
ZAMBRA	12	Max WS	200DcrSA	62.70	77.59	82.21		82.25	0.000375	0.89	73.21	29.58	0.15
ZAMBRA	12	Max WS	100DcrSA	54.29	77.59	81.68		81.73	0.000598	1.01	57.51	28.96	0.19
ZAMBRA	12	Max WS	30DcrSA	42.93	77.59	80.95		81.03	0.001485	1.33	36.74	28.10	0.28
ZAMBRA	11	Max WS	200DcrSA	62.69	76.30	82.12	79.43	82.20	0.000636	1.22	54.23	23.20	0.21
ZAMBRA	11	Max WS	100DcrSA	54.28	76.30	81.56	79.24	81.64	0.000877	1.31	42.35	18.61	0.25
ZAMBRA	11	Max WS	30DcrSA	42.39	76.30	80.78	78.94	80.88	0.001294	1.39	30.41	12.88	0.29
ZAMBRA	10.5			Bridge									
ZAMBRA	10	Max WS	200DcrSA	12.00	76.09	80.37		80.40	0.000243	0.67	17.90	7.31	0.14
ZAMBRA	10	Max WS	100DcrSA	14.87	76.09	80.11		80.15	0.000500	0.93	16.02	6.91	0.19
ZAMBRA	10	Max WS	30DcrSA	2.86	76.09	79.30		79.30	0.000051	0.26	10.92	5.67	0.06
ZAMBRA	9	Max WS	200DcrSA	11.81	76.01	80.37		80.39	0.000437	0.66	17.80	7.27	0.14
ZAMBRA	9	Max WS	100DcrSA	14.63	76.01	80.10		80.14	0.000900	0.92	15.92	6.81	0.19
ZAMBRA	9	Max WS	30DcrSA	2.83	76.01	79.30		79.30	0.000087	0.26	11.02	5.41	0.06
ZAMBRA	8	Max WS	200DcrSA	11.93	75.74	80.35		80.37	0.000293	0.59	20.08	7.62	0.12
ZAMBRA	8	Max WS	100DcrSA	14.65	75.74	80.08		80.12	0.000583	0.81	18.07	7.25	0.16
ZAMBRA	8	Max WS	30DcrSA	2.83	75.74	79.30		79.30	0.000054	0.22	12.79	6.17	0.05
ZAMBRA	7	Max WS	200DcrSA	62.69	75.78	80.58		80.66	0.001104	1.33	55.98	39.75	0.25
ZAMBRA	7	Max WS	100DcrSA	54.26	75.78	80.24		80.34	0.001725	1.55	42.32	38.34	0.31
ZAMBRA	7	Max WS	30DcrSA	35.11	75.78	79.36		79.55	0.004392	1.96	18.39	16.02	0.48
ZAMBRA	6	Max WS	200DcrSA	62.69	75.81	80.59		80.64	0.000575	1.15	63.82	32.57	0.19
ZAMBRA	6	Max WS	100DcrSA	54.25	75.81	80.26		80.32	0.000712	1.22	53.03	32.41	0.21
ZAMBRA	6	Max WS	30DcrSA	42.33	75.81	79.43		79.56	0.001650	1.62	28.15	20.28	0.32
ZAMBRA	5	Max WS	200DcrSA	62.69	75.62	80.54	78.10	80.62	0.000571	1.32	51.71	17.82	0.21
ZAMBRA	5	Max WS	100DcrSA	54.25	75.62	80.22	77.94	80.30	0.000588	1.29	46.03	17.82	0.22
ZAMBRA	5	Max WS	30DcrSA	42.32	75.62	79.44	77.69	79.54	0.000899	1.40	32.15	17.82	0.27
ZAMBRA	4.5			Bridge									
ZAMBRA	4	Max WS	200DcrSA	52.93	75.46	80.41		80.44	0.000210	0.82	66.80	20.34	0.13
ZAMBRA	4	Max WS	100DcrSA	47.79	75.46	80.15		80.18	0.000214	0.80	61.55	19.78	0.13
ZAMBRA	4	Max WS	30DcrSA	34.95	75.46	79.40		79.43	0.000228	0.74	47.47	14.89	0.13
ZAMBRA	3	Max WS	200DcrSA	52.81	75.38	80.37		80.44	0.000775	1.23	44.39	16.87	0.23
ZAMBRA	3	Max WS	100DcrSA	47.67	75.38	80.10		80.18	0.000810	1.23	40.09	16.00	0.23
ZAMBRA	3	Max WS	30DcrSA	34.74	75.38	79.35		79.43	0.000964	1.21	28.70	11.24	0.24
ZAMBRA	2	Max WS	200DcrSA	52.19	74.00	80.35		80.39	0.000314	0.83	64.23	22.92	0.15
ZAMBRA	2	Max WS	100DcrSA	46.95	74.00	80.09		80.13	0.000332	0.82	58.31	22.25	0.15
ZAMBRA	2	Max WS	30DcrSA	33.21	74.00	79.33		79.36	0.000403	0.79	42.19	18.26	0.16
ZAMBRA	1	Max WS	200DcrSA	2.00	74.20	80.34	74.81	80.34	0.000000	0.03	84.04	37.91	0.00
ZAMBRA	1	Max WS	100DcrSA	2.00	74.20	80.07	74.81	80.07	0.000000	0.03	73.97	36.26	0.01
ZAMBRA	1	Max WS	30DcrSA	2.00	74.20	79.29	74.81	79.29	0.000001	0.04	49.08	27.57	0.01

FOSSO ZAMBRA









Reach	River Sta	Profile	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
valle	11	Max WS	t200dcr	59.33	77.70	80.46	80.73	81.88	0.019400	8.28	12.92	6.91	1.59
valle	11	Max WS	t100dcr	51.73	77.70	80.32	80.56	81.59	0.018429	7.79	11.94	6.91	1.54
valle	11	Max WS	t30dcr	40.67	77.70	80.10	80.28	81.14	0.016886	7.03	10.39	6.91	1.45
valle	10.9	Max WS	t200dcr	59.33	77.70	80.43	80.73	81.90	0.020380	8.42	12.70	6.91	1.63
valle	10.9	Max WS	t100dcr	51.73	77.70	80.29	80.56	81.60	0.019340	7.92	11.73	6.91	1.57
valle	10.9	Max WS	t30dcr	40.67	77.70	80.07	80.28	81.15	0.017699	7.14	10.22	6.91	1.48
valle	10.89		Lat Struct										
valle	10.88		Lat Struct										
valle	10.85*	Max WS	t200dcr	43.94	77.59	80.02	80.24	81.15	0.017838	7.27	10.76	6.98	1.49
valle	10.85*	Max WS	t100dcr	38.92	77.59	79.92	80.11	80.94	0.017005	6.89	10.05	6.98	1.45
valle	10.85*	Max WS	t30dcr	31.60	77.59	79.76	79.91	80.63	0.015859	6.34	8.90	6.98	1.38
valle	10.8*	Max WS	t200dcr	33.98	77.48	79.69	79.86	80.60	0.016019	6.43	9.34	7.04	1.38
valle	10.8*	Max WS	t100dcr	30.60	77.48	79.62	79.76	80.45	0.015376	6.16	8.80	7.04	1.35
valle	10.8*	Max WS	t30dcr	25.24	77.48	79.49	79.61	80.21	0.014096	5.66	7.93	7.04	1.28
valle	10.75*	Max WS	t200dcr	27.07	77.36	79.42	79.54	80.16	0.014245	5.75	8.30	7.11	1.29
valle	10.75*	Max WS	t100dcr	24.67	77.36	79.37	79.48	80.05	0.013640	5.52	7.90	7.11	1.25
valle	10.75*	Max WS	t30dcr	23.21	77.36	79.28	79.43	80.01	0.015406	5.68	7.26	7.11	1.32
valle	10.7*	Max WS	t200dcr	22.38	77.25	79.20	79.28	79.81	0.012757	5.21	7.56	7.18	1.20
valle	10.7*	Max WS	t100dcr	22.99	77.25	79.16	79.30	79.87	0.014943	5.56	7.29	7.18	1.29
valle	10.7*	Max WS	t30dcr	20.33	77.25	79.09	79.22	79.74	0.014304	5.31	6.80	7.18	1.26
valle	10.65*	Max WS	t200dcr	21.64	77.14	79.01	79.14	79.67	0.014422	5.36	7.09	7.24	1.26
valle	10.65*	Max WS	t100dcr	20.18	77.14	78.97	79.09	79.60	0.014049	5.21	6.81	7.24	1.24
valle	10.65*	Max WS	t30dcr	18.15	77.14	78.92	79.03	79.50	0.013380	4.99	6.43	7.24	1.21
valle	10.6*	Max WS	t200dcr	19.24	77.03	78.83	78.95	79.43	0.013607	5.05	6.67	7.31	1.21
valle	10.6*	Max WS	t100dcr	18.18	77.03	78.80	78.91	79.38	0.013250	4.93	6.47	7.31	1.19
valle	10.6*	Max WS	t30dcr	16.76	77.03	78.77	78.87	79.31	0.012811	4.78	6.18	7.31	1.17
valle	10.55*	Max WS	t200dcr	17.68	76.92	78.68	78.77	79.23	0.012788	4.80	6.43	7.38	1.17
valle	10.55*	Max WS	t100dcr	16.90	76.92	78.66	78.75	79.19	0.012544	4.71	6.28	7.36	1.15
valle	10.55*	Max WS	t30dcr	15.79	76.92	78.63	78.72	79.13	0.012091	4.57	6.04	7.26	1.13
valle	10.5*	Max WS	t200dcr	16.61	76.80	78.54	78.62	79.05	0.012228	4.60	6.25	7.36	1.13
valle	10.5*	Max WS	t100dcr	15.98	76.80	78.52	78.60	79.01	0.011969	4.52	6.12	7.30	1.12
valle	10.5*	Max WS	t30dcr	15.04	76.80	78.49	78.57	78.96	0.011554	4.39	5.92	7.22	1.10
valle	10.45*	Max WS	t200dcr	15.80	76.69	78.40	78.48	78.88	0.011710	4.43	6.12	7.32	1.10
valle	10.45*	Max WS	t100dcr	15.26	76.69	78.38	78.44	78.85	0.011463	4.36	6.01	7.27	1.09
valle	10.45*	Max WS	t30dcr	14.45	76.69	78.36	78.40	78.80	0.011063	4.24	5.84	7.20	1.07
valle	10.4*	Max WS	t200dcr	15.16	76.58	78.27	78.31	78.72	0.011202	4.27	6.03	7.29	1.07
valle	10.4*	Max WS	t100dcr	14.69	76.58	78.25	78.29	78.69	0.010967	4.21	5.94	7.25	1.06
valle	10.4*	Max WS	t30dcr	13.97	76.58	78.23	78.26	78.65	0.010588	4.10	5.79	7.19	1.04
valle	10.35*	Max WS	t200dcr	14.65	76.47	78.14	78.17	78.56	0.010728	4.13	5.98	7.28	1.04
valle	10.35*	Max WS	t100dcr	14.23	76.47	78.13	78.15	78.54	0.010512	4.07	5.89	7.25	1.03
valle	10.35*	Max WS	t30dcr	13.59	76.47	78.11	78.13	78.50	0.010168	3.97	5.77	7.19	1.01
valle	10.3*	Max WS	t200dcr	14.23	76.35	78.01	78.03	78.42	0.010306	4.00	5.94	7.28	1.01
valle	10.3*	Max WS	t100dcr	13.86	76.35	78.00	78.01	78.40	0.010109	3.95	5.87	7.25	1.00
valle	10.3*	Max WS	t30dcr	13.29	76.35	77.99	77.99	78.36	0.009837	3.87	5.74	7.20	0.99
valle	10.25*	Max WS	t200dcr	13.90	76.24	77.89	77.90	78.28	0.009929	3.89	5.92	7.29	0.99
valle	10.25*	Max WS	t100dcr	13.56	76.24	77.88	77.88	78.26	0.009753	3.84	5.85	7.26	0.98
valle	10.25*	Max WS	t30dcr	13.05	76.24	77.87	77.86	78.23	0.009513	3.77	5.74	7.22	0.96
valle	10.2*	Max WS	t200dcr	13.63	76.13	77.77	77.76	78.14	0.009593	3.78	5.92	7.31	0.97
valle	10.2*	Max WS	t100dcr	13.33	76.13	77.76	77.75	78.12	0.009441	3.74	5.86	7.28	0.96
valle	10.2*	Max WS	t30dcr	12.87	76.13	77.75	77.73	78.10	0.009212	3.67	5.76	7.24	0.94
valle	10.15*	Max WS	t200dcr	13.43	76.02	77.65	77.63	78.01	0.009297	3.69	5.93	7.33	0.95
valle	10.15*	Max WS	t100dcr	13.15	76.02	77.65	77.99	0.009155	3.65	5.87	7.31	0.94	
valle	10.15*	Max WS	t30dcr	12.73	76.02	77.63	77.97	0.008954	3.59	5.78	7.27	0.93	
valle	10.1*	Max WS	t200dcr	13.27	75.90	77.54	77.88	0.009072	3.61	5.93	7.35	0.93	
valle	10.1*	Max WS	t100dcr	13.01	75.90	77.53	77.86	0.008972	3.58	5.87	7.33	0.92	
valle	10.1*	Max WS	t30dcr	12.63	75.90	77.51	77.84	0.008848	3.53	5.77	7.29	0.91	
valle	10.05*	Max WS	t200dcr	13.18	75.79	77.40	77.38	77.75	0.009605	3.65	5.79	7.31	0.95
valle	10.05*	Max WS	t100dcr	12.95	75.79	77.39	77.37	77.73	0.009561	3.62	5.72	7.29	0.94
valle	10.05*	Max WS	t30dcr	12.59	75.79	77.37	77.71	0.009500	3.59	5.62	7.25	0.94	
valle	10	Max WS	t200dcr	13.17	75.68	77.21	77.25	77.62	0.011931	3.91	5.33	7.07	1.04
valle	10	Max WS	t100dcr	12.94	75.68	77.21	77.24	77.61	0.011839	3.88	5.28	7.03	1.04
valle	10	Max WS	t30dcr	12.59	75.68	77.19	77.22	77.59	0.011710	3.84	5.19	6.97	1.03
valle	9.875*	Max WS	t200dcr	13.17	75.63	77.15	77.40	0.006701	2.99	6.75	7.80	0.80	
valle	9.875*	Max WS	t100dcr	12.94	75.63	77.15	77.39	0.006622	2.96	6.70	7.80	0.79	
valle	9.875*	Max WS	t30dcr	12.59	75.63	77.14	77.37	0.006495	2.92	6.62	7.80	0.79	
valle	9.75*	Max WS	t200dcr	13.10	75.58	77.09	77.31	0.005615	2.75	7.08	7.49	0.74	
valle	9.75*	Max WS	t100dcr	12.88	75.58	77.08	77.30	0.005533	2.73	7.04	7.49	0.73	
valle	9.75*	Max WS	t30dcr	12.55	75.58	77.07	77.28	0.005410	2.68	6.97	7.49	0.73	
valle	9.625*	Max WS	t200dcr	12.90	75.53	77.00	77.23	0.005733	2.76	6.85	7.18	0.75	
valle	9.625*	Max WS	t100dcr	12.70	75.53	77.00	77.22	0.005656	2.73	6.81	7.18	0.75	
valle	9.625*	Max WS	t30dcr	12.40	75.53	76.99	77.21	0.005521	2.69	6.75	7.18	0.74	

Reach	River Sta	Profile	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
valle	9.5*	Max WS	t200dcr	12.59	75.47	76.89		77.16	0.006449	2.86	6.33	6.87	0.80
valle	9.5*	Max WS	t100dcr	12.42	75.47	76.89		77.15	0.006366	2.84	6.30	6.87	0.79
valle	9.5*	Max WS	t30dcr	12.14	75.47	76.88		77.14	0.006212	2.79	6.25	6.87	0.78
valle	9.375*	Max WS	t200dcr	11.98	75.42	76.82		77.09	0.006356	2.82	5.98	6.56	0.79
valle	9.375*	Max WS	t100dcr	11.96	75.42	76.78		77.08	0.007146	2.93	5.74	6.56	0.83
valle	9.375*	Max WS	t30dcr	11.51	75.42	76.76		77.05	0.007082	2.88	5.60	6.56	0.83
valle	9.25*	Max WS	t200dcr	11.17	75.37	76.79		77.03	0.005056	2.55	5.99	6.25	0.71
valle	9.25*	Max WS	t100dcr	11.12	75.37	76.75		77.01	0.005700	2.65	5.73	6.25	0.75
valle	9.25*	Max WS	t30dcr	11.10	75.37	76.68		76.98	0.007123	2.86	5.30	6.25	0.83
valle	9.125*	Max WS	t200dcr	10.48	75.32	76.78		76.98	0.003842	2.27	6.12	5.94	0.62
valle	9.125*	Max WS	t100dcr	10.39	75.32	76.74		76.95	0.004248	2.34	5.88	5.94	0.65
valle	9.125*	Max WS	t30dcr	10.33	75.32	76.67		76.91	0.005231	2.50	5.45	5.94	0.72
valle	9	Max WS	t200dcr	10.24	75.27	76.75		76.93	0.003295	2.13	6.18	5.63	0.58
valle	9	Max WS	t100dcr	10.11	75.27	76.71		76.90	0.003601	2.18	5.94	5.63	0.60
valle	9	Max WS	t30dcr	9.96	75.27	76.64		76.85	0.004306	2.30	5.53	5.63	0.65
valle	8.9*	Max WS	t200dcr	10.42	75.16	76.75		76.88	0.002281	1.87	7.57	6.97	0.49
valle	8.9*	Max WS	t100dcr	10.25	75.16	76.71		76.85	0.002465	1.91	7.28	6.97	0.51
valle	8.9*	Max WS	t30dcr	10.01	75.16	76.64		76.79	0.002875	1.99	6.79	6.97	0.54
valle	8.8*	Max WS	t200dcr	10.84	75.04	76.74		76.84	0.001838	1.75	8.79	8.32	0.44
valle	8.8*	Max WS	t100dcr	10.63	75.04	76.69		76.80	0.001987	1.79	8.43	8.32	0.46
valle	8.8*	Max WS	t30dcr	10.33	75.04	76.62		76.74	0.002326	1.87	7.81	8.32	0.49
valle	8.7*	Max WS	t200dcr	11.45	74.93	76.71		76.81	0.001677	1.73	9.78	9.66	0.43
valle	8.7*	Max WS	t100dcr	11.20	74.93	76.66		76.77	0.001821	1.77	9.34	9.66	0.44
valle	8.7*	Max WS	t30dcr	10.84	74.93	76.58		76.70	0.002166	1.87	8.57	9.66	0.48
valle	8.6*	Max WS	t200dcr	12.02	74.81	76.68		76.78	0.001591	1.74	10.60	11.01	0.42
valle	8.6*	Max WS	t100dcr	11.72	74.81	76.64		76.74	0.001734	1.79	10.09	11.01	0.43
valle	8.6*	Max WS	t30dcr	11.28	74.81	76.55		76.67	0.002094	1.90	9.14	11.01	0.47
valle	8.5*	Max WS	t200dcr	12.47	74.70	76.66		76.75	0.001532	1.76	11.27	12.35	0.41
valle	8.5*	Max WS	t100dcr	12.14	74.70	76.61		76.71	0.001680	1.81	10.66	12.35	0.43
valle	8.5*	Max WS	t30dcr	11.65	74.70	76.51		76.64	0.002087	1.95	9.49	12.35	0.48
valle	8.4*	Max WS	t200dcr	12.81	74.59	76.63		76.73	0.001496	1.80	11.76	13.69	0.41
valle	8.4*	Max WS	t100dcr	12.45	74.59	76.58		76.69	0.001663	1.86	11.03	13.69	0.43
valle	8.4*	Max WS	t30dcr	11.92	74.59	76.48		76.61	0.002072	2.00	9.65	12.94	0.48
valle	8.3*	Max WS	t200dcr	13.04	74.47	76.61		76.71	0.001484	1.84	12.05	15.04	0.41
valle	8.3*	Max WS	t100dcr	12.67	74.47	76.55		76.67	0.001638	1.90	11.23	14.35	0.43
valle	8.3*	Max WS	t30dcr	12.05	74.47	76.45		76.58	0.001958	2.00	9.83	12.64	0.47
valle	8.2*	Max WS	t200dcr	13.17	74.36	76.59		76.69	0.001436	1.86	12.21	15.04	0.41
valle	8.2*	Max WS	t100dcr	12.79	74.36	76.53		76.64	0.001572	1.91	11.37	14.11	0.42
valle	8.2*	Max WS	t30dcr	12.06	74.36	76.43		76.55	0.001835	2.00	9.98	12.43	0.45
valle	8.1*	Max WS	t200dcr	13.22	74.24	76.57		76.67	0.001390	1.88	12.29	14.82	0.40
valle	8.1*	Max WS	t100dcr	12.81	74.24	76.51		76.62	0.001516	1.93	11.44	13.89	0.42
valle	8.1*	Max WS	t30dcr	12.06	74.24	76.40		76.53	0.001763	2.01	10.05	12.21	0.45
valle	8	Max WS	t200dcr	13.23	74.13	76.55		76.66	0.001371	1.92	12.25	14.53	0.40
valle	8	Max WS	t100dcr	12.81	74.13	76.49		76.60	0.001481	1.96	11.42	13.51	0.42
valle	8	Max WS	t30dcr	12.06	74.13	76.38		76.51	0.001691	2.02	10.05	11.64	0.44
valle	7.8	Max WS	t200dcr	13.23	74.13	76.44	75.72	76.65	0.002148	2.32	6.89	12.68	0.50
valle	7.8	Max WS	t100dcr	12.81	74.13	76.38	75.69	76.59	0.002217	2.32	6.69	11.72	0.50
valle	7.8	Max WS	t30dcr	12.06	74.13	76.28	75.65	76.49	0.002351	2.31	6.33	9.99	0.52
valle	7.5			Bridge									
valle	7.2	Max WS	t200dcr	13.22	73.83	75.82		76.08	0.003254	2.46	6.16	11.89	0.58
valle	7.2	Max WS	t100dcr	12.81	73.83	75.80		76.05	0.003204	2.42	6.07	11.60	0.58
valle	7.2	Max WS	t30dcr	12.05	73.83	75.76		75.99	0.003091	2.34	5.91	11.09	0.57
valle	7.19			Lat Struct									
valle	7.18			Lat Struct									
valle	7.13333*	Max WS	t200dcr	13.22	73.79	75.92		76.03	0.001658	1.89	11.11	11.76	0.43
valle	7.13333*	Max WS	t100dcr	12.81	73.79	75.89		76.00	0.001680	1.88	10.76	11.56	0.43
valle	7.13333*	Max WS	t30dcr	12.06	73.79	75.84		75.95	0.001701	1.86	10.17	11.17	0.43
valle	7.06666*	Max WS	t200dcr	13.06	73.75	75.89		76.01	0.001637	1.93	10.31	9.19	0.43
valle	7.06666*	Max WS	t100dcr	12.72	73.75	75.86		75.98	0.001668	1.93	10.02	9.09	0.44
valle	7.06666*	Max WS	t30dcr	12.03	73.75	75.81		75.93	0.001691	1.90	9.55	8.92	0.44
valle	7	Max WS	t200dcr	12.50	73.71	75.84		76.01	0.002057	2.19	8.25	6.12	0.49
valle	7	Max WS	t100dcr	12.31	73.71	75.80		75.98	0.002153	2.21	8.02	6.12	0.50
valle	7	Max WS	t30dcr	11.81	73.71	75.74		75.92	0.002244	2.22	7.66	6.06	0.51
valle	6.66666*	Max WS	t200dcr	11.30	73.51	75.89		76.00	0.001364	1.84	8.94	5.94	0.39
valle	6.66666*	Max WS	t100dcr	11.41	73.51	75.84		75.97	0.001520	1.92	8.66	5.94	0.41
valle	6.66666*	Max WS	t30dcr	11.29	73.51	75.76		75.90	0.001724	1.99	8.21	5.94	0.44
valle	6.33333*	Max WS	t200dcr	8.76	73.31	75.96		76.01	0.000685	1.32	9.69	5.75	0.27
valle	6.33333*	Max WS	t100dcr	9.37	73.31	75.90		75.97	0.000861	1.46	9.36	5.75	0.30
valle	6.33333*	Max WS	t30dcr	9.99	73.31	75.81		75.90	0.001148	1.64	8.83	5.75	0.35
valle	6	Max WS	t200dcr	4.40	73.11	76.02		76.03	0.000155	0.61	10.32	5.57	0.12
valle	6	Max WS	t100dcr	5.66	73.11	75.97		75.99	0.000278	0.81	10.03	5.57	0.16

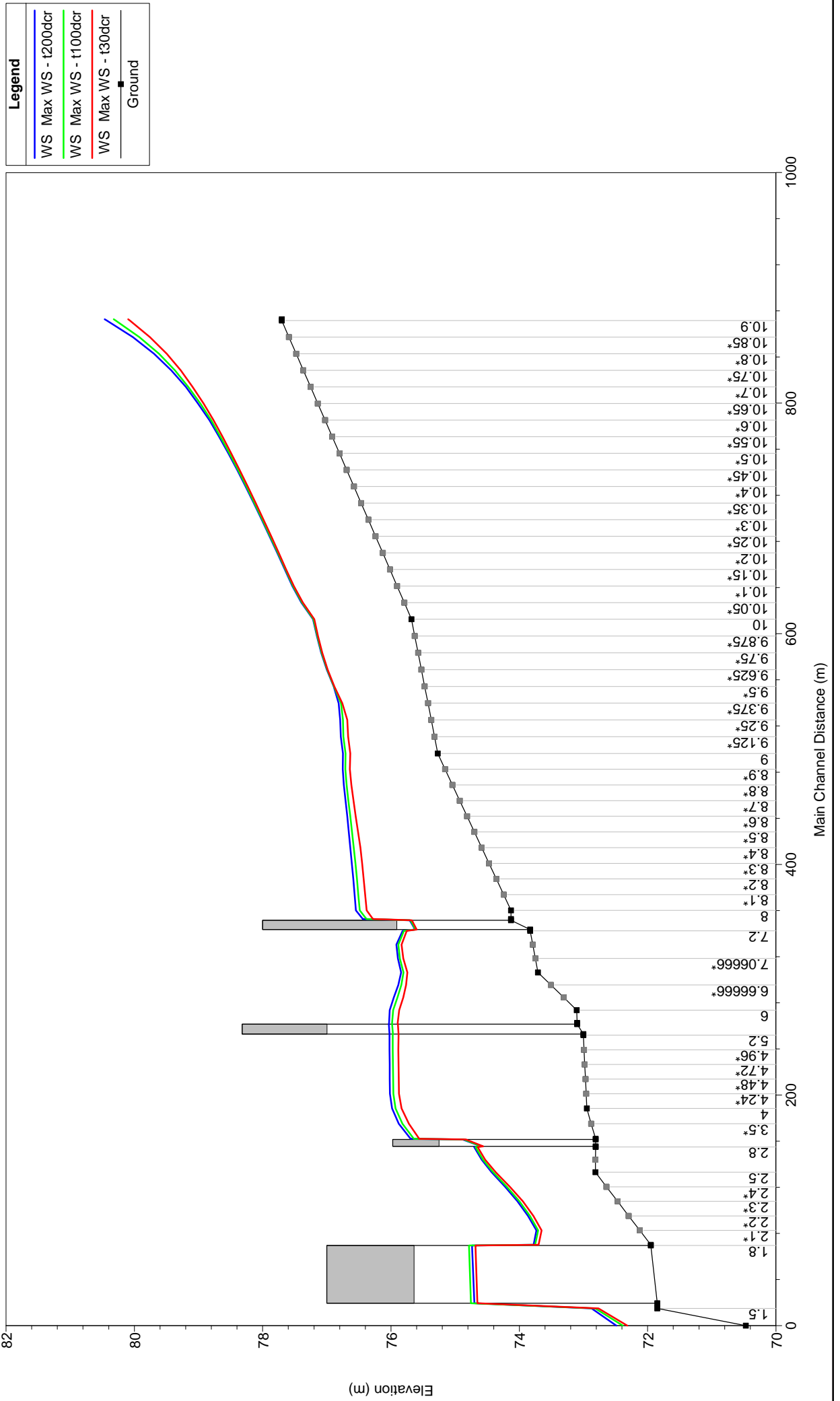
Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	6	Max WS	t30dcr	7.31	73.11	75.87		75.91	0.000539	1.10	9.49	5.57	0.22
valle	5.8	Max WS	t200dcr	2.79	73.10	76.03	73.93	76.03	0.000007	0.13	21.14	25.17	0.03
valle	5.8	Max WS	t100dcr	4.36	73.10	75.98	74.03	75.99	0.000019	0.21	20.69	24.96	0.05
valle	5.8	Max WS	t30dcr	6.49	73.10	75.90	74.13	75.90	0.000049	0.33	19.87	24.38	0.07
valle	5.5			Bridge									
valle	5.2	Max WS	t200dcr	2.79	73.00	76.02		76.02	0.000007	0.13	21.57	25.14	0.03
valle	5.2	Max WS	t100dcr	4.36	73.00	75.97		75.97	0.000020	0.21	21.08	24.87	0.05
valle	5.2	Max WS	t30dcr	6.49	73.00	75.88		75.89	0.000050	0.32	20.21	24.25	0.07
valle	5.19			Lat Struct									
valle	5.18			Lat Struct									
valle	4.96*	Max WS	t200dcr	3.47	72.99	76.02		76.02	0.000006	0.12	36.69	23.45	0.02
valle	4.96*	Max WS	t100dcr	4.82	72.99	75.97		75.97	0.000012	0.17	35.50	23.25	0.04
valle	4.96*	Max WS	t30dcr	6.68	72.99	75.88		75.89	0.000027	0.24	33.48	22.92	0.05
valle	4.72*	Max WS	t200dcr	5.06	72.98	76.02		76.02	0.000013	0.18	35.00	22.11	0.04
valle	4.72*	Max WS	t100dcr	6.12	72.98	75.97		75.97	0.000020	0.23	33.88	21.87	0.05
valle	4.72*	Max WS	t30dcr	7.56	72.98	75.88		75.89	0.000036	0.30	31.97	21.45	0.06
valle	4.48*	Max WS	t200dcr	7.00	72.97	76.02		76.02	0.000028	0.29	32.75	19.85	0.06
valle	4.48*	Max WS	t100dcr	7.82	72.97	75.97		75.97	0.000038	0.33	31.72	19.85	0.07
valle	4.48*	Max WS	t30dcr	8.85	72.97	75.88		75.88	0.000057	0.40	29.97	19.85	0.08
valle	4.24*	Max WS	t200dcr	8.05	72.96	76.02		76.02	0.000047	0.39	29.57	17.14	0.08
valle	4.24*	Max WS	t100dcr	8.64	72.96	75.96		75.97	0.000059	0.44	28.68	17.14	0.08
valle	4.24*	Max WS	t30dcr	9.48	72.96	75.87		75.88	0.000083	0.51	27.15	17.14	0.10
valle	4	Max WS	t200dcr	10.61	72.95	75.98		76.00	0.000133	0.70	25.07	14.42	0.13
valle	4	Max WS	t100dcr	10.90	72.95	75.93		75.94	0.000154	0.74	24.29	14.42	0.14
valle	4	Max WS	t30dcr	11.37	72.95	75.84		75.85	0.000197	0.82	22.94	14.42	0.16
valle	3.5*	Max WS	t200dcr	20.06	72.88	75.88		75.95	0.000699	1.60	19.60	11.26	0.30
valle	3.5*	Max WS	t100dcr	20.07	72.88	75.82		75.90	0.000771	1.66	18.94	11.26	0.31
valle	3.5*	Max WS	t30dcr	19.96	72.88	75.72		75.81	0.000903	1.75	17.83	11.26	0.34
valle	3	Max WS	t200dcr	22.67	72.81	75.70	74.67	75.94	0.001737	2.46	10.86	7.40	0.47
valle	3	Max WS	t100dcr	22.23	72.81	75.65	74.65	75.89	0.001783	2.46	10.65	7.33	0.48
valle	3	Max WS	t30dcr	21.48	72.81	75.56	74.62	75.80	0.001869	2.47	10.28	7.20	0.48
valle	2.9			Bridge									
valle	2.8	Max WS	t200dcr	22.67	72.81	74.70	74.67	75.40	0.008945	4.16	6.52	5.88	0.99
valle	2.8	Max WS	t100dcr	22.23	72.81	74.68	74.65	75.37	0.008974	4.14	6.43	5.85	0.99
valle	2.8	Max WS	t30dcr	21.48	72.81	74.65	74.62	75.32	0.009004	4.09	6.29	5.80	0.99
valle	2.79			Lat Struct									
valle	2.78			Lat Struct									
valle	2.65*	Max WS	t200dcr	22.67	72.81	74.59	74.70	75.31	0.011764	4.36	6.93	6.31	1.09
valle	2.65*	Max WS	t100dcr	22.23	72.81	74.57	74.68	75.29	0.011896	4.34	6.80	6.27	1.09
valle	2.65*	Max WS	t30dcr	21.48	72.81	74.53	74.65	75.25	0.012109	4.32	6.58	6.19	1.09
valle	2.5	Max WS	t200dcr	22.59	72.81	74.43	74.60	75.19	0.015859	4.45	6.66	7.13	1.18
valle	2.5	Max WS	t100dcr	22.15	72.81	74.41	74.58	75.18	0.016378	4.47	6.49	7.13	1.20
valle	2.5	Max WS	t30dcr	21.40	72.81	74.37	74.56	75.15	0.017298	4.51	6.21	7.13	1.22
valle	2.4*	Max WS	t200dcr	24.46	72.64	74.22	74.17	75.06	0.016308	4.67	7.22	9.09	1.23
valle	2.4*	Max WS	t100dcr	23.75	72.64	74.19	74.17	75.05	0.016802	4.69	6.98	9.03	1.24
valle	2.4*	Max WS	t30dcr	22.56	72.64	74.15	74.17	74.98	0.017016	4.61	6.51	7.96	1.24
valle	2.3*	Max WS	t200dcr	25.70	72.47	74.03	74.26	74.83	0.014466	4.55	7.51	8.21	1.18
valle	2.3*	Max WS	t100dcr	24.76	72.47	74.00	74.24	74.79	0.014607	4.51	7.27	8.08	1.19
valle	2.3*	Max WS	t30dcr	23.19	72.47	73.95	74.20	74.73	0.014897	4.45	6.85	7.86	1.19
valle	2.2*	Max WS	t200dcr	26.41	72.30	73.86	74.00	74.56	0.011730	4.24	8.30	8.63	1.09
valle	2.2*	Max WS	t100dcr	25.28	72.30	73.83	73.96	74.51	0.011665	4.18	8.05	8.51	1.08
valle	2.2*	Max WS	t30dcr	23.43	72.30	73.78	73.90	74.43	0.011637	4.07	7.60	8.28	1.08
valle	2.1*	Max WS	t200dcr	26.72	72.12	73.74	73.75	74.28	0.008621	3.80	9.46	9.25	0.96
valle	2.1*	Max WS	t100dcr	25.48	72.12	73.71	73.71	74.23	0.008426	3.71	9.20	9.14	0.94
valle	2.1*	Max WS	t30dcr	23.48	72.12	73.65	73.64	74.15	0.008225	3.59	8.73	8.91	0.93
valle	2	Max WS	t200dcr	26.86	71.95	73.78	73.50	74.10	0.004337	2.98	12.40	10.59	0.70
valle	2	Max WS	t100dcr	25.55	71.95	73.75	73.46	74.06	0.004127	2.88	12.17	10.49	0.69
valle	2	Max WS	t30dcr	23.49	71.95	73.70	73.39	73.98	0.003931	2.76	11.63	10.28	0.67
valle	1.8			Bridge									
valle	1.5	Max WS	t200dcr	26.86	71.85	72.87	73.41	74.61	0.044573	6.50	5.17	7.09	2.05
valle	1.5	Max WS	t100dcr	25.55	71.85	72.82	73.37	74.64	0.049885	6.62	4.78	6.87	2.15
valle	1.5	Max WS	t30dcr	23.49	71.85	72.77	73.30	74.55	0.051800	6.51	4.44	6.67	2.17
valle	1	Max WS	t200dcr	26.86	70.47	72.49	72.44	72.97	0.007056	3.66	10.31	9.69	0.87
valle	1	Max WS	t100dcr	25.55	70.47	72.39	72.39	72.91	0.008229	3.81	9.33	9.23	0.93
valle	1	Max WS	t30dcr	23.49	70.47	72.32	72.33	72.83	0.008280	3.72	8.72	8.93	0.92

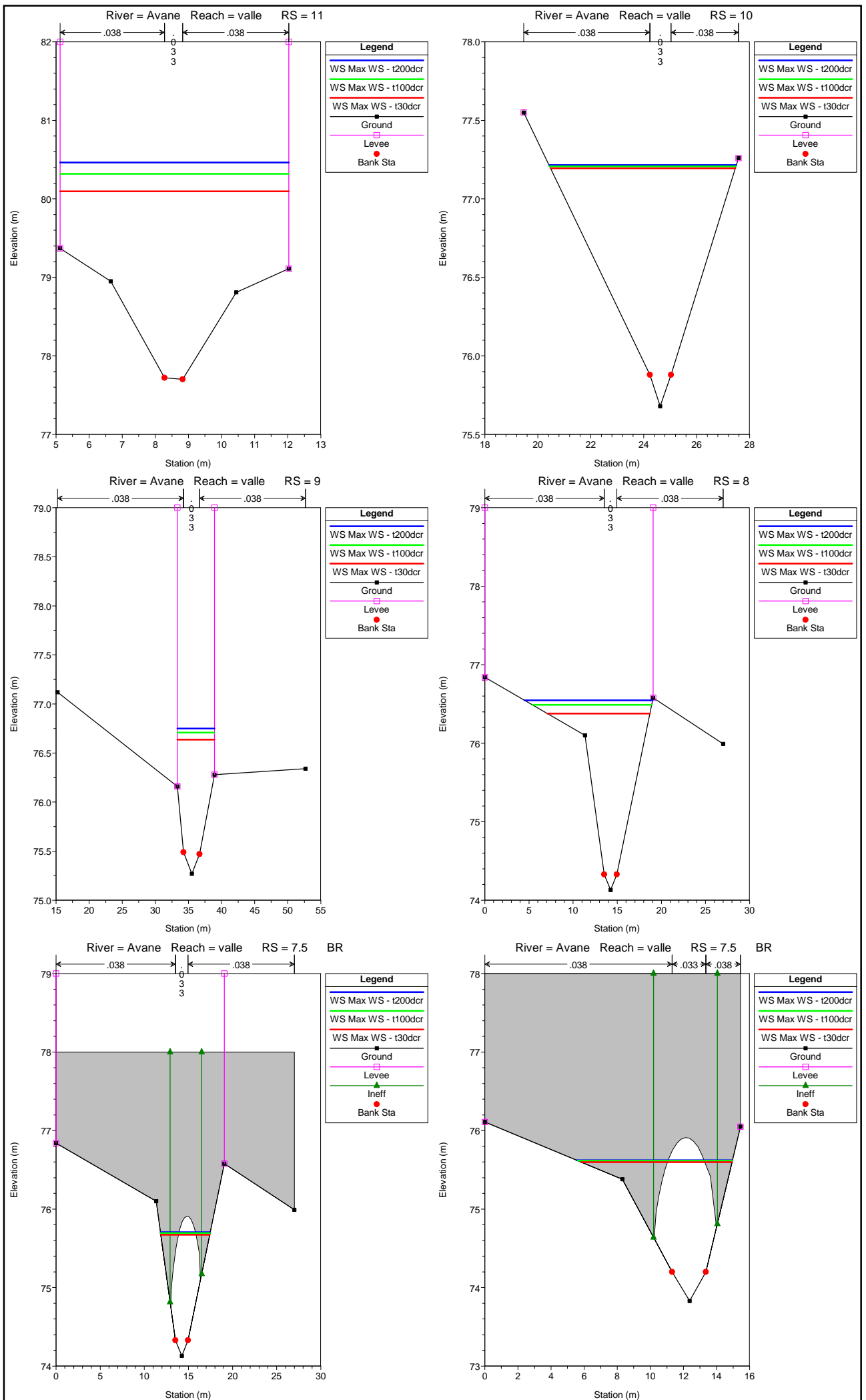
Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D01	Max WS	t200dcr	73.51	72.49	0.26	6.88	2.18
D01	Max WS	t100dcr	73.49	72.49	0.13	2.05	2.05
D01	Max WS	t30dcr	73.44	72.49	0.17	2.05	1.96
D02	Max WS	t200dcr	71.74	69.90	5.13	31.70	26.91
D02	Max WS	t100dcr	71.50	69.90	3.93	31.70	19.32
D02	Max WS	t30dcr	71.35	69.90	2.52	31.70	14.60
D03	Max WS	t200dcr	71.76	70.74	1.27	37.03	9.82
D03	Max WS	t100dcr	71.75	70.74	1.79	37.03	9.11
D03	Max WS	t30dcr	71.74	70.74	1.76	37.03	8.91
DD01	Max WS	t200dcr	74.59	74.01	0.00	0.27	0.54
DD01	Max WS	t100dcr	74.56	74.01	0.00	0.27	0.53
DD01	Max WS	t30dcr	74.51	74.01	0.00	0.27	0.52
DD02	Max WS	t200dcr	73.74	71.75	0.45	15.42	4.64
DD02	Max WS	t100dcr	73.65	71.75	0.38	15.42	3.25
DD02	Max WS	t30dcr	73.53	71.75	0.18	15.42	1.44
DD03	Max WS	t200dcr	76.06	74.30	0.68	4.36	5.20
DD03	Max WS	t100dcr	76.00	74.30	0.66	4.36	4.95
DD03	Max WS	t30dcr	75.91	74.30	1.36	4.29	4.54
DD04	Max WS	t200dcr	74.83	73.00	4.50	26.48	17.35
DD04	Max WS	t100dcr	74.64	73.00	3.81	24.63	12.46
DD04	Max WS	t30dcr	74.32	73.00	2.28	20.57	5.40
DD05	Max WS	t200dcr	76.19	74.00	0.73	11.48	6.02
DD05	Max WS	t100dcr	76.10	74.00	0.50	11.48	5.02
DD05	Max WS	t30dcr	75.97	74.00	-0.71	6.93	3.64
DD06	Max WS	t200dcr	75.01	72.50	3.37	31.20	15.34
DD06	Max WS	t100dcr	74.86	72.50	2.74	22.42	11.94
DD06	Max WS	t30dcr	74.64	72.50	1.84	17.63	7.53
Out	Max WS	t200dcr	69.09	69.00	5.85	400.00	36.33
Out	Max WS	t100dcr	69.06	69.00	4.15	400.00	25.24
Out	Max WS	t30dcr	69.03	69.00	2.25	400.00	11.70
S01	Max WS	t200dcr	73.89	72.08	4.23	52.20	30.53
S01	Max WS	t100dcr	73.77	72.08	1.88	52.20	24.25
S01	Max WS	t30dcr	73.61	72.08	1.84	52.20	15.58
S02	Max WS	t200dcr	73.03	71.64	4.40	42.88	32.52
S02	Max WS	t100dcr	72.93	71.64	3.92	42.88	28.16
S02	Max WS	t30dcr	72.78	71.64	3.61	42.88	21.66
S03	Max WS	t200dcr	72.92	69.71	2.80	38.78	18.64
S03	Max WS	t100dcr	72.81	69.71	2.24	38.78	14.24
S03	Max WS	t30dcr	72.65	69.71	1.09	38.78	8.23
SD01	Max WS	t200dcr	73.88	70.50	9.15	71.09	56.20
SD01	Max WS	t100dcr	73.70	70.50	23.68	71.09	43.24
SD01	Max WS	t30dcr	73.31	70.50	9.00	25.95	22.07
SD02	Max WS	t200dcr	73.71	72.57	4.51	16.91	4.75
SD02	Max WS	t100dcr	73.68	72.57	1.55	16.91	4.29
SD02	Max WS	t30dcr	73.64	72.57	1.06	16.91	3.57
SD03	Max WS	t200dcr	72.30	71.48	2.54	15.01	4.52
SD03	Max WS	t100dcr	72.09	71.48	0.31	15.01	1.41
SD03	Max WS	t30dcr	71.94	71.48	0.00	0.15	0.07
SD04	Max WS	t200dcr	72.30	70.82	0.85	8.10	5.54

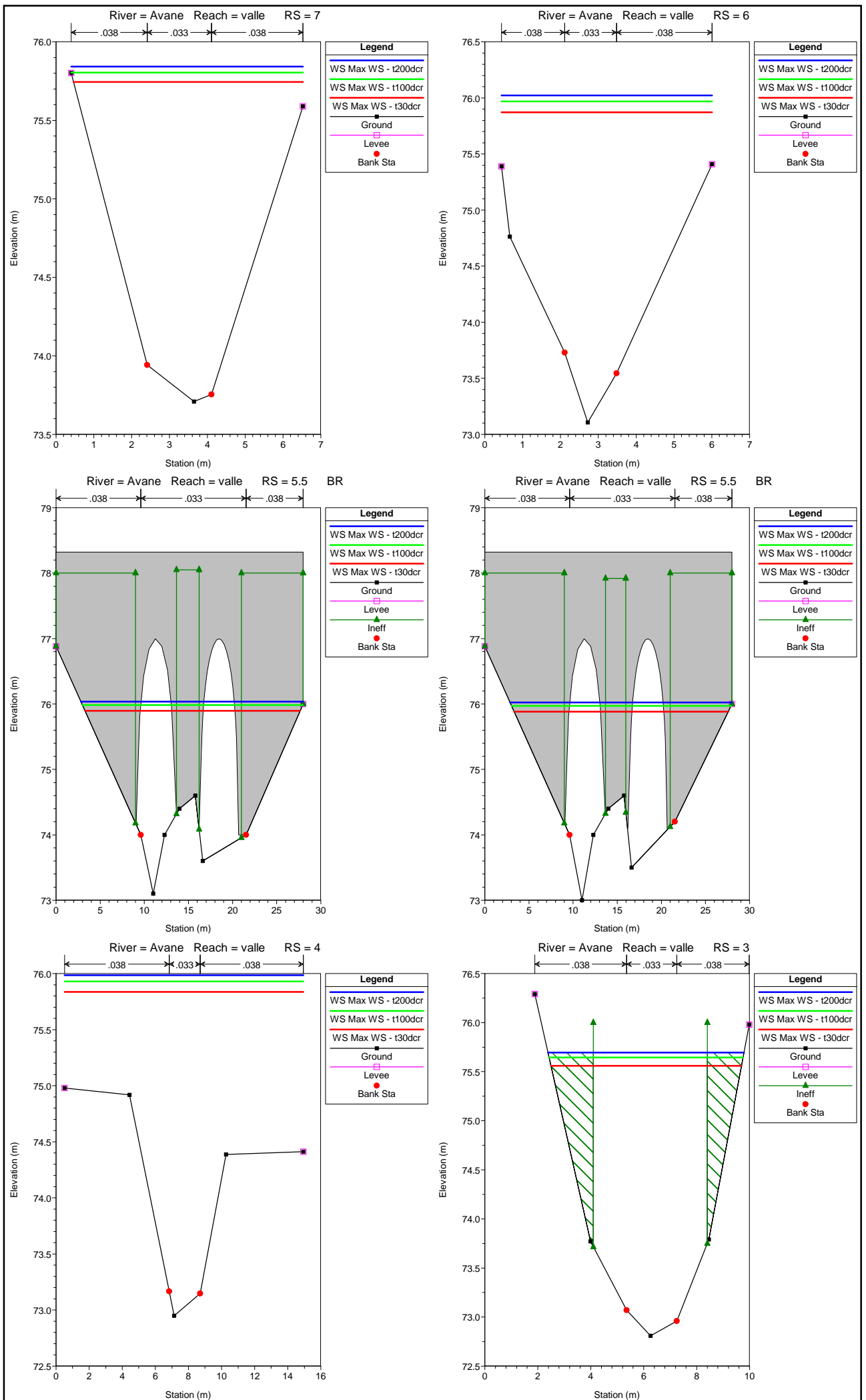
HEC-RAS Profile: Max WS (Continued)

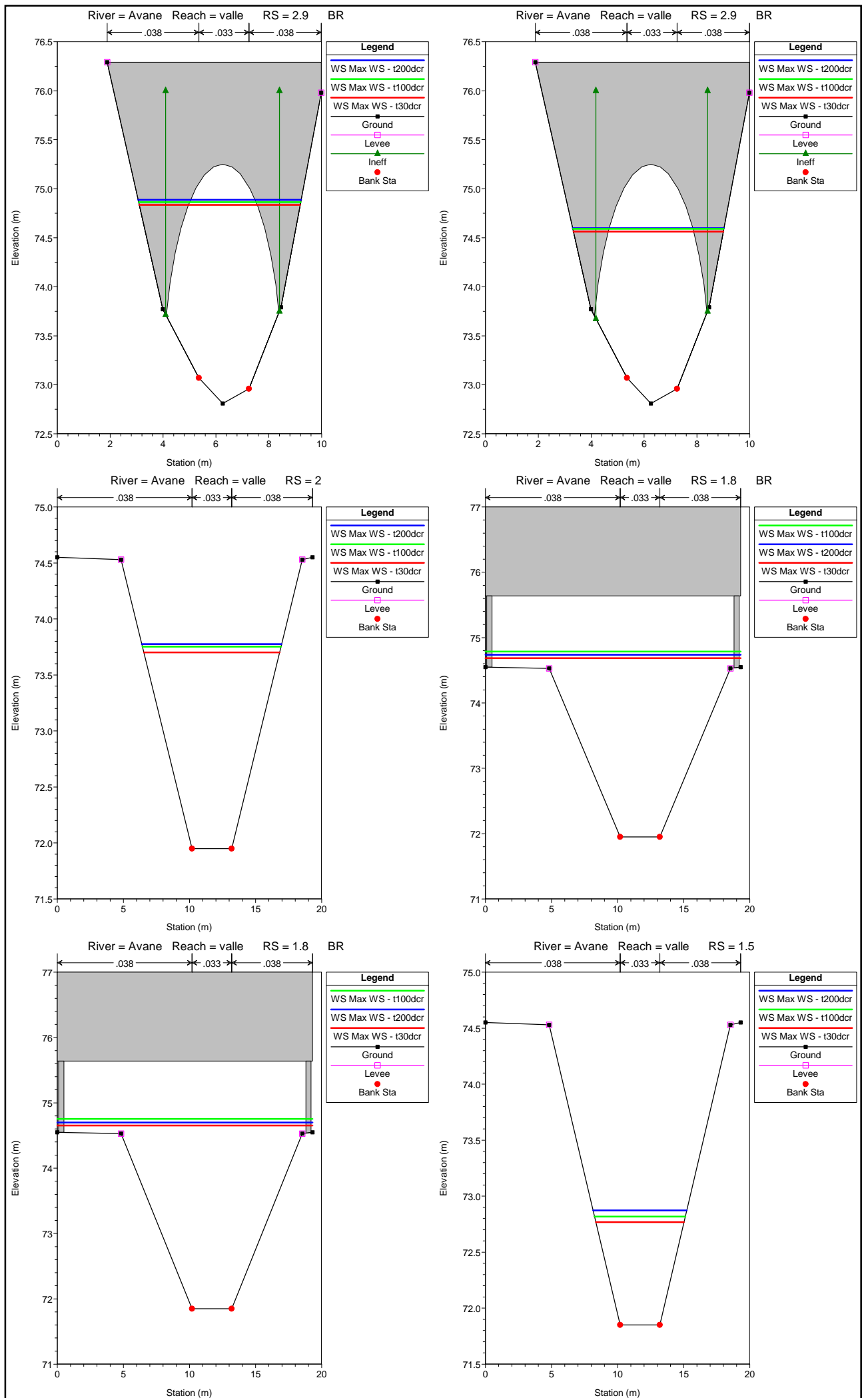
Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
SD04	Max WS	t100dcr	72.09	70.82	0.67	8.10	3.89
SD04	Max WS	t30dcr	71.92	70.82	0.58	8.10	2.51
SD05	Max WS	t200dcr	71.55	71.55	0.00	0.87	0.00
SD05	Max WS	t100dcr	71.55	71.55	0.00	0.87	0.00
SD05	Max WS	t30dcr	71.55	71.55	0.00	0.87	0.00
SD06	Max WS	t200dcr	71.37	71.09	0.00	0.37	0.10
SD06	Max WS	t100dcr	71.22	71.09	0.00	0.37	0.05
SD06	Max WS	t30dcr	71.15	71.09	0.00	0.37	0.02
SD07	Max WS	t200dcr	66.29	66.29	0.00	0.00	0.00
SD07	Max WS	t100dcr	66.29	66.29	0.00	0.00	0.00
SD07	Max WS	t30dcr	66.29	66.29	0.00	0.00	0.00
SD08	Max WS	t200dcr	71.77	71.32	0.04	4.42	1.98
SD08	Max WS	t100dcr	71.75	71.32	0.04	4.42	1.90
SD08	Max WS	t30dcr	71.74	71.32	0.04	4.42	1.87
SS01	Max WS	t200dcr	74.43	72.40	0.00	0.53	0.28
SS01	Max WS	t100dcr	74.40	72.40	0.00	0.53	0.27
SS01	Max WS	t30dcr	74.35	72.40	0.00	0.53	0.24
SS02	Max WS	t200dcr	73.00	73.00	0.00	0.00	0.00
SS02	Max WS	t100dcr	73.00	73.00	0.00	0.00	0.00
SS02	Max WS	t30dcr	73.00	73.00	0.00	0.00	0.00
SS03	Max WS	t200dcr	75.96	74.40	0.22	2.58	2.06
SS03	Max WS	t100dcr	75.91	74.40	0.16	2.58	1.92
SS03	Max WS	t30dcr	75.82	74.40	0.04	2.58	1.69
SS04	Max WS	t200dcr	74.25	74.25	0.00	0.04	0.00
SS04	Max WS	t100dcr	74.25	74.25	0.00	0.04	0.00
SS04	Max WS	t30dcr	74.25	74.25	0.00	0.04	0.00
SS05	Max WS	t200dcr	76.80	74.10	0.62	6.66	3.19
SS05	Max WS	t100dcr	76.75	74.10	0.62	6.66	2.87
SS05	Max WS	t30dcr	76.67	74.10	0.51	4.75	2.48

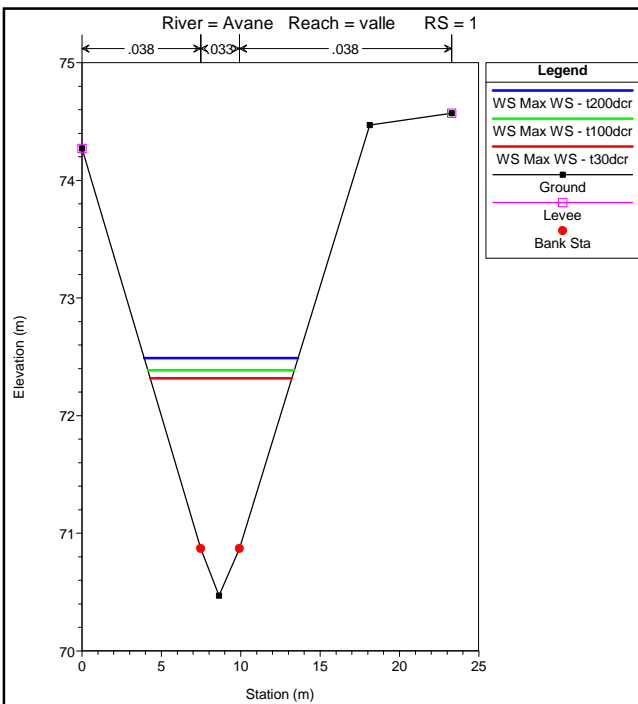
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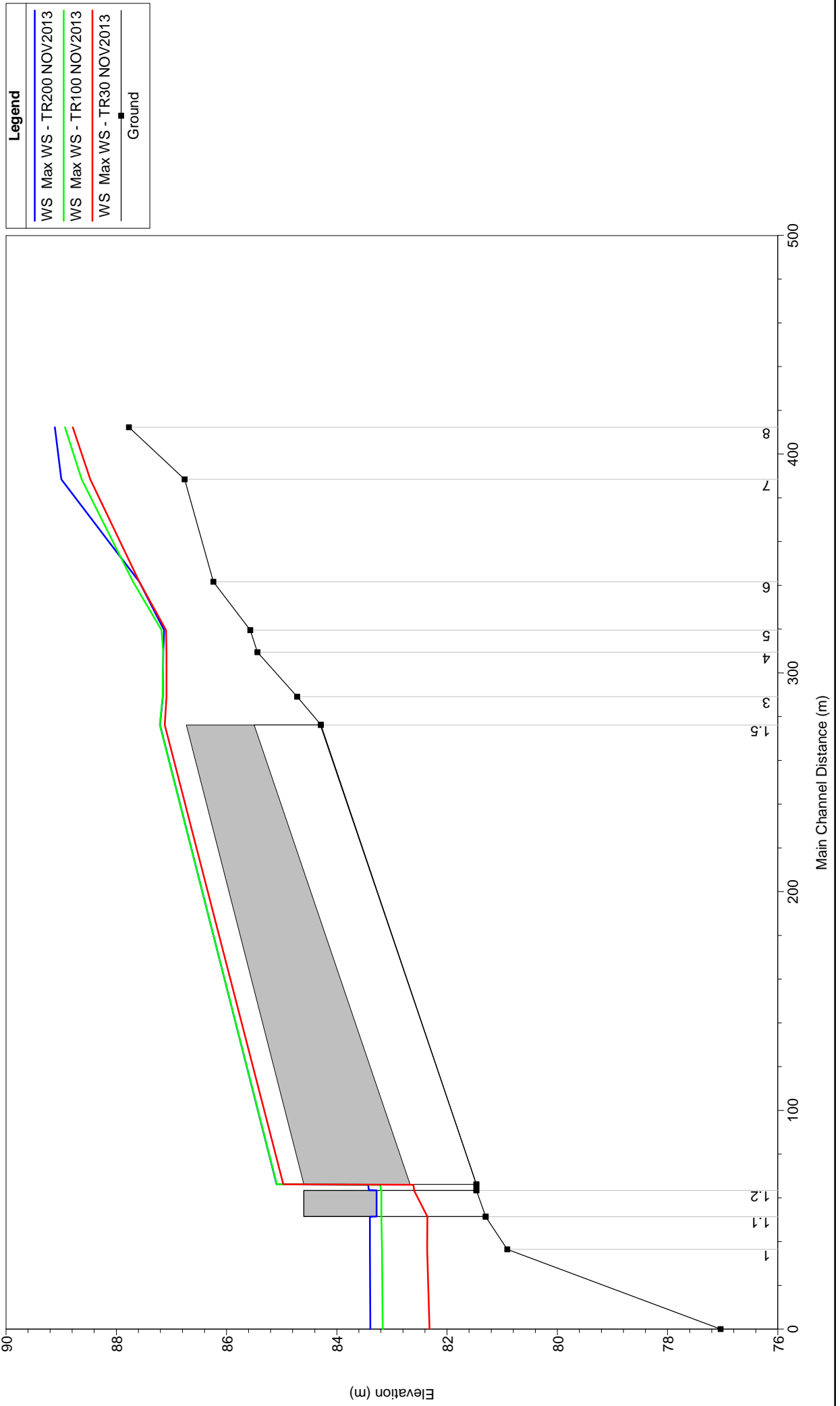


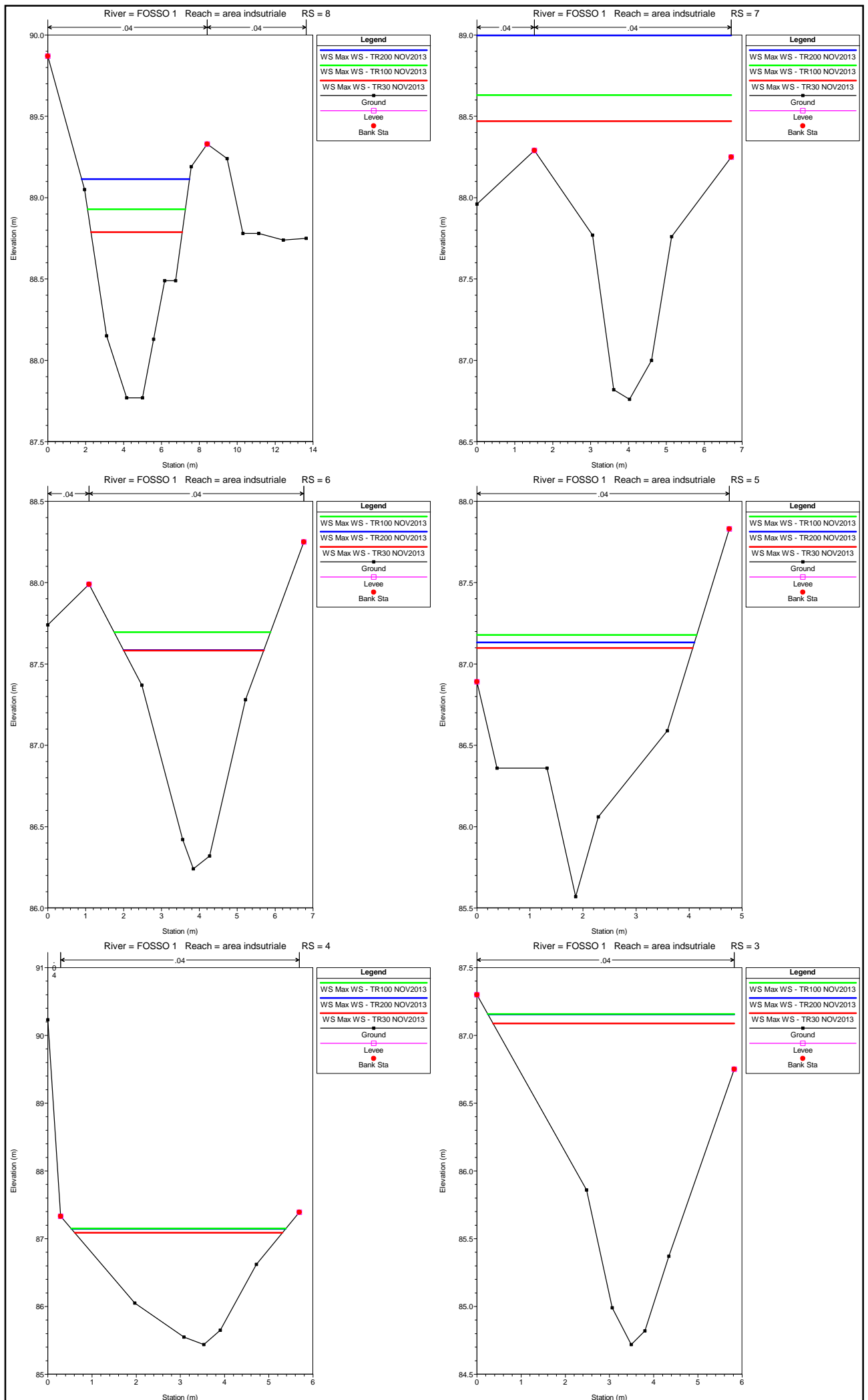
Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
area indutrale	8	TR200 NOV2013	10.61	87.77	89.11		89.37	0.012626	2.26	4.70	5.69	0.79
area indutrale	8	TR100 NOV2013	9.24	87.77	88.93	88.90	89.25	0.018564	2.50	3.69	5.17	0.94
area indutrale	8	TR30 NOV2013	7.11	87.77	88.79	88.77	89.08	0.019994	2.38	2.99	4.82	0.96
area indutrale	7	TR200 NOV2013	10.60	86.76	89.00		89.08	0.002955	1.35	8.33	6.71	0.37
area indutrale	7	TR100 NOV2013	9.21	86.76	88.63		88.76	0.006366	1.66	5.87	6.71	0.53
area indutrale	7	TR30 NOV2013	7.10	86.76	88.47		88.59	0.006906	1.56	4.80	6.71	0.55
area indutrale	6.8		Lat Struct									
area indutrale	6	TR200 NOV2013	8.49	86.24	87.58	87.74	88.16	0.040814	3.36	2.53	3.70	1.30
area indutrale	6	TR100 NOV2013	8.60	86.24	87.69	87.75	88.13	0.028196	2.91	2.96	4.13	1.10
area indutrale	6	TR30 NOV2013	6.96	86.24	87.58	87.62	87.97	0.027621	2.76	2.52	3.70	1.07
area indutrale	5	TR200 NOV2013	8.49	85.57	87.13		87.47	0.021276	2.57	3.30	4.10	0.91
area indutrale	5	TR100 NOV2013	8.60	85.57	87.18		87.49	0.018607	2.46	3.50	4.15	0.86
area indutrale	5	TR30 NOV2013	6.96	85.57	87.10		87.34	0.016216	2.20	3.16	4.07	0.80
area indutrale	4.9		Lat Struct									
area indutrale	4	TR200 NOV2013	8.49	85.44	87.15		87.32	0.007696	1.84	4.62	4.85	0.60
area indutrale	4	TR100 NOV2013	8.60	85.44	87.15		87.32	0.007803	1.85	4.64	4.86	0.60
area indutrale	4	TR30 NOV2013	6.96	85.44	87.09		87.22	0.006089	1.60	4.34	4.70	0.53
area indutrale	3	TR200 NOV2013	8.03	84.72	87.15		87.22	0.002479	1.16	6.91	5.57	0.33
area indutrale	3	TR100 NOV2013	8.11	84.72	87.16		87.23	0.002508	1.17	6.93	5.58	0.34
area indutrale	3	TR30 NOV2013	6.65	84.72	87.09		87.14	0.001968	1.02	6.54	5.46	0.30
area indutrale	2	TR200 NOV2013	4.39	84.29	87.21		87.29	0.000737	1.29	3.40	3.68	0.24
area indutrale	2	TR100 NOV2013	4.42	84.29	87.21		87.30	0.000743	1.30	3.41	3.68	0.25
area indutrale	2	TR30 NOV2013	3.77	84.29	87.12		87.19	0.000600	1.14	3.30	3.68	0.22
area indutrale	1.5		Culvert									
area indutrale	1.4	TR200 NOV2013	3.05	81.47	83.43		83.46	0.000642	0.77	3.94	2.02	0.18
area indutrale	1.4	TR100 NOV2013	3.09	81.47	83.21		83.25	0.000888	0.88	3.50	2.02	0.21
area indutrale	1.4	TR30 NOV2013	3.77	81.47	82.61		82.75	0.003909	1.65	2.29	2.01	0.49
area indutrale	1.3	TR200 NOV2013	2.98	81.47	83.42	82.08	83.45	0.000623	0.76	3.92	2.02	0.17
area indutrale	1.3	TR100 NOV2013	1.71	81.47	83.20	81.89	83.21	0.000277	0.49	3.47	2.02	0.12
area indutrale	1.3	TR30 NOV2013	3.77	81.47	82.60	82.18	82.74	0.004027	1.67	2.26	2.01	0.50
area indutrale	1.2		Bridge									
area indutrale	1.1	TR200 NOV2013	2.98	81.30	83.40		83.43	0.000520	0.71	4.22	2.02	0.16
area indutrale	1.1	TR100 NOV2013	1.71	81.30	83.19		83.20	0.000222	0.45	3.80	2.02	0.10
area indutrale	1.1	TR30 NOV2013	3.21	81.30	82.36		82.47	0.003472	1.51	2.12	2.01	0.47
area indutrale	1	TR200 NOV2013	3.10	80.91	83.40		83.40	0.000096	0.27	12.42	11.39	0.07
area indutrale	1	TR100 NOV2013	1.82	80.91	83.18		83.18	0.000060	0.20	9.95	11.15	0.06
area indutrale	1	TR30 NOV2013	3.26	80.91	82.36		82.40	0.001886	0.85	3.84	4.67	0.30
area indutrale	0.5	TR200 NOV2013	0.99	77.04	83.39	77.44	83.39	0.000000	0.02	52.73	17.58	0.00
area indutrale	0.5	TR100 NOV2013	1.00	77.04	83.17	77.45	83.17	0.000000	0.02	48.86	17.58	0.00
area indutrale	0.5	TR30 NOV2013	0.98	77.04	82.32	77.44	82.32	0.000000	0.03	35.40	11.00	0.00

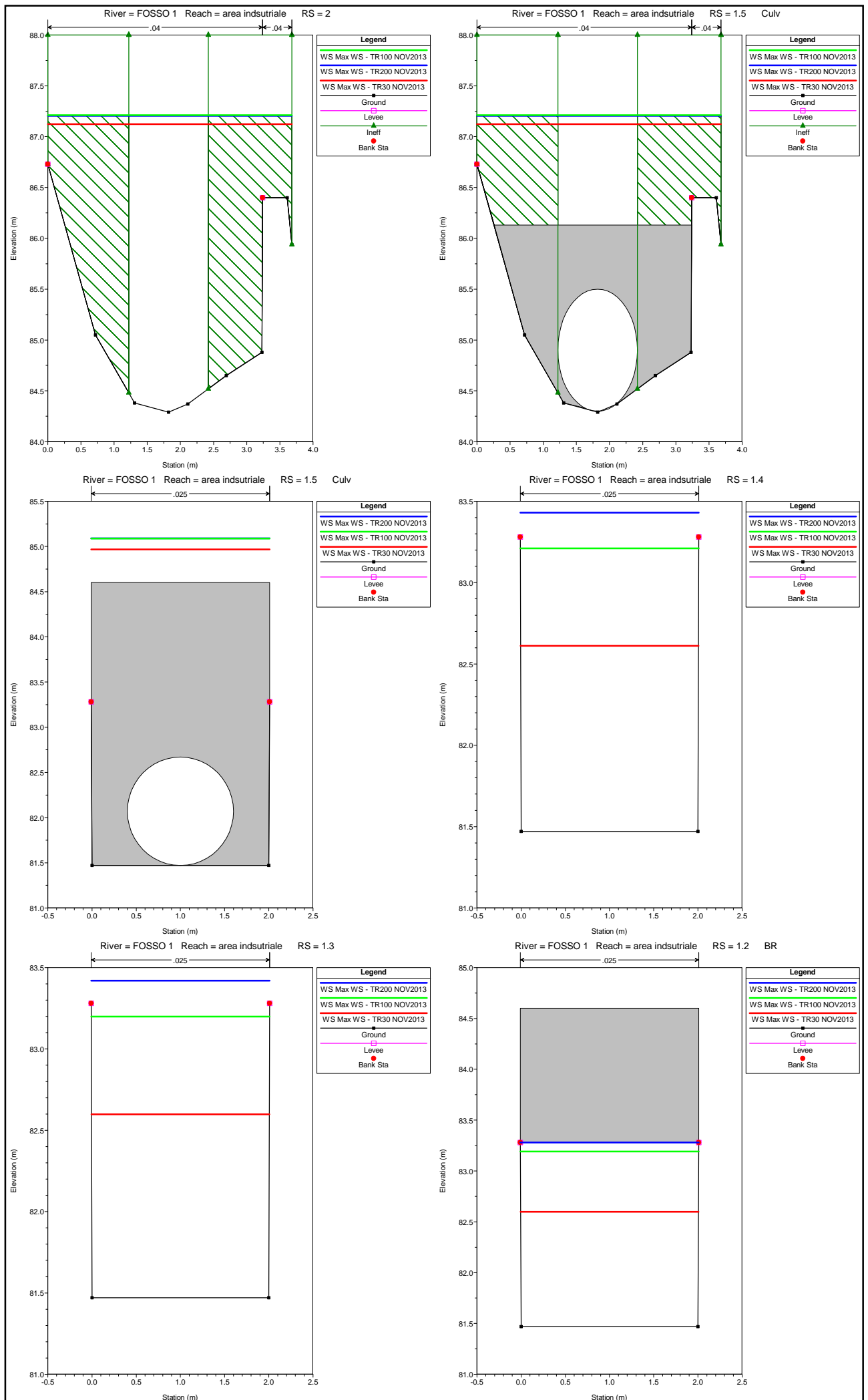
HEC-RAS Profile: Max WS

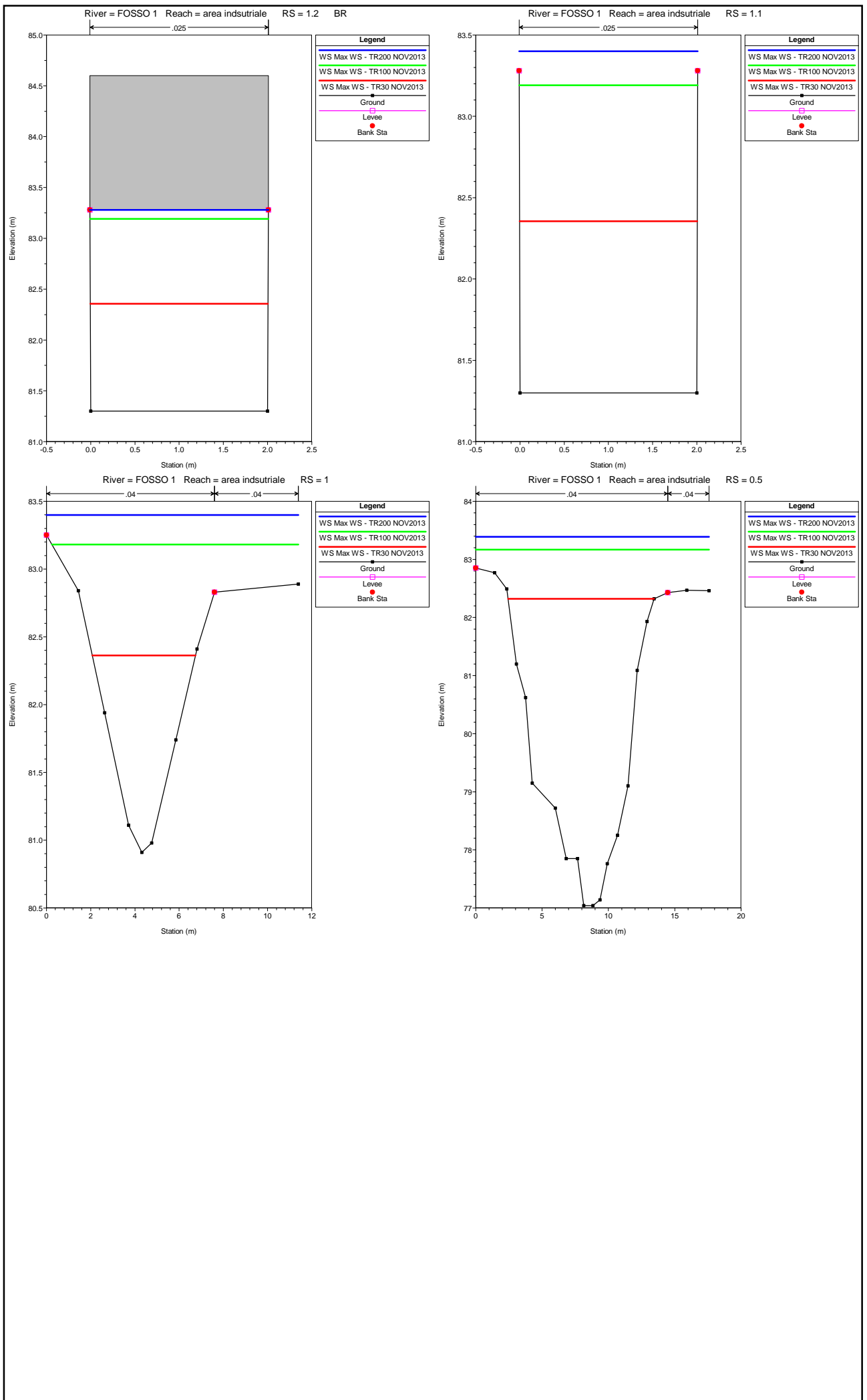
Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
APE A	TR200 NOV2013	85.38	84.10	0.08	1.24	0.44
APE A	TR100 NOV2013	85.37	84.10	0.40	1.24	0.43
APE A	TR30 NOV2013	85.34	84.10	0.09	1.24	0.39
APE B	TR200 NOV2013	84.69	81.60	4.03	7.01	4.51
APE B	TR100 NOV2013	84.68	81.60	3.77	7.01	4.42
APE B	TR30 NOV2013	84.55	81.60	3.09	4.71	3.60
APE C	TR200 NOV2013	85.29	82.70	2.11	8.69	1.97
APE C	TR100 NOV2013	84.86	82.70	0.59	1.51	0.33
APE C	TR30 NOV2013	84.38	82.70	0.13	0.17	0.06

FOSSO "P. TREPPIEDE DI SOTTO"



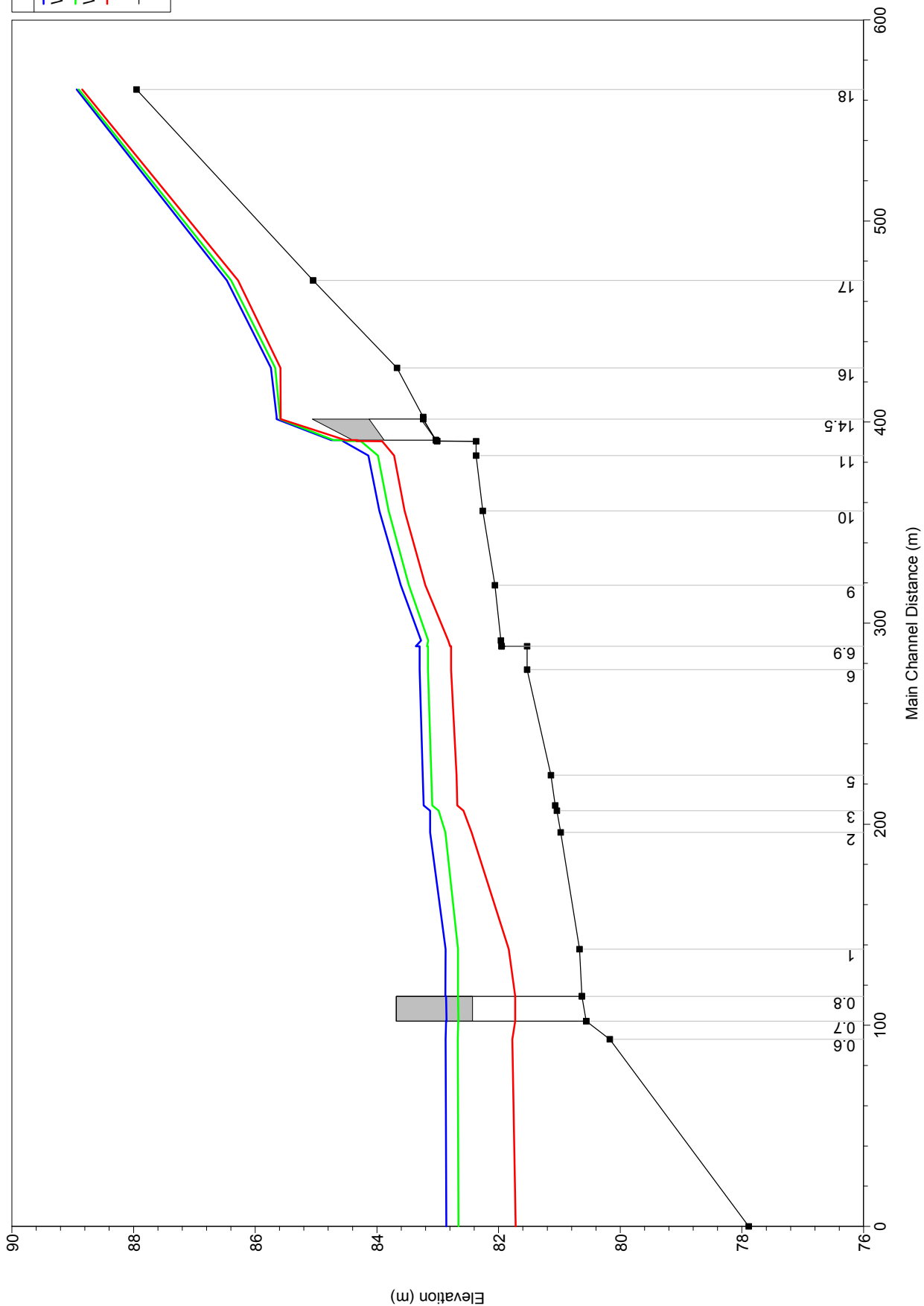
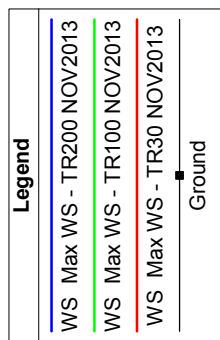


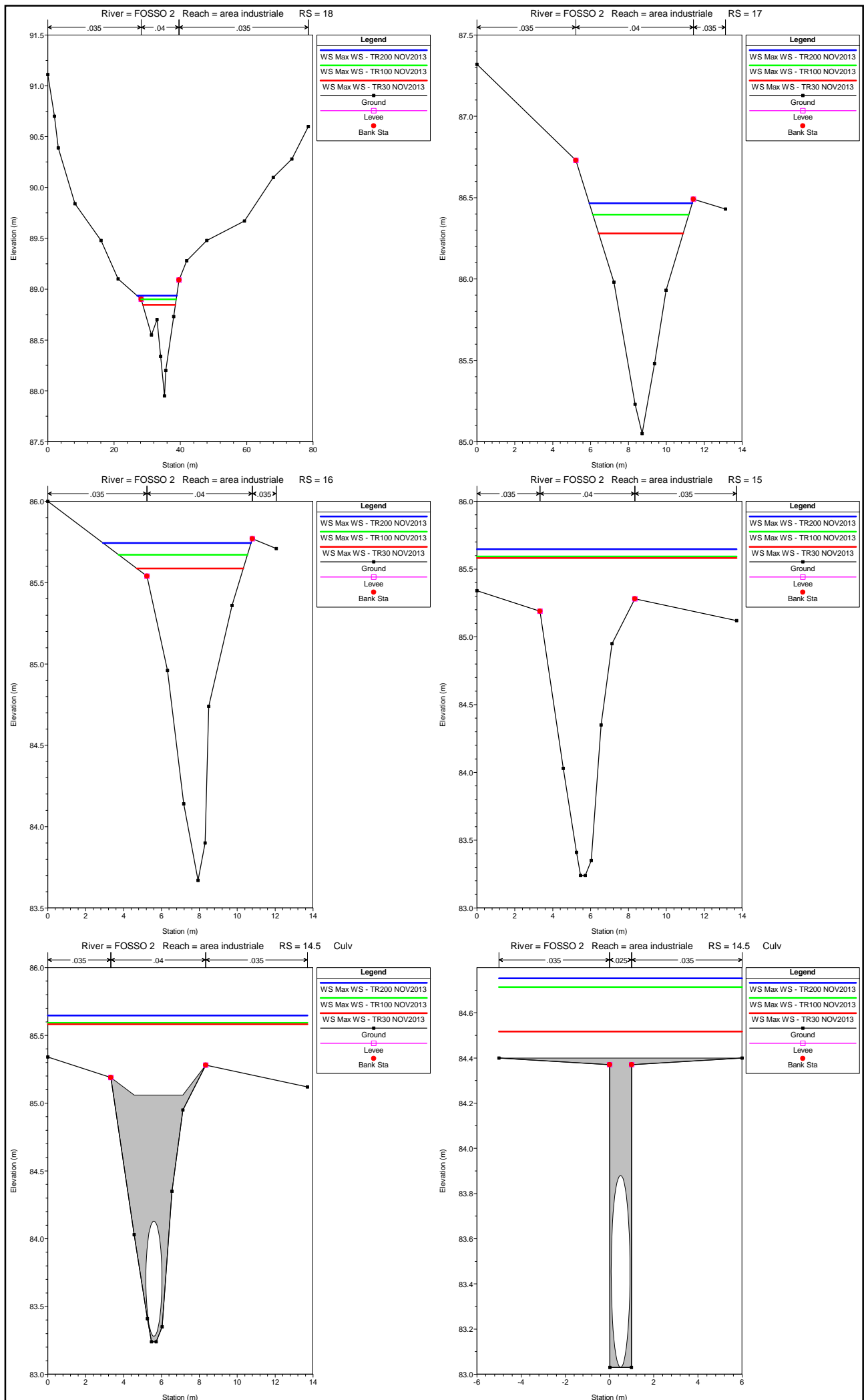


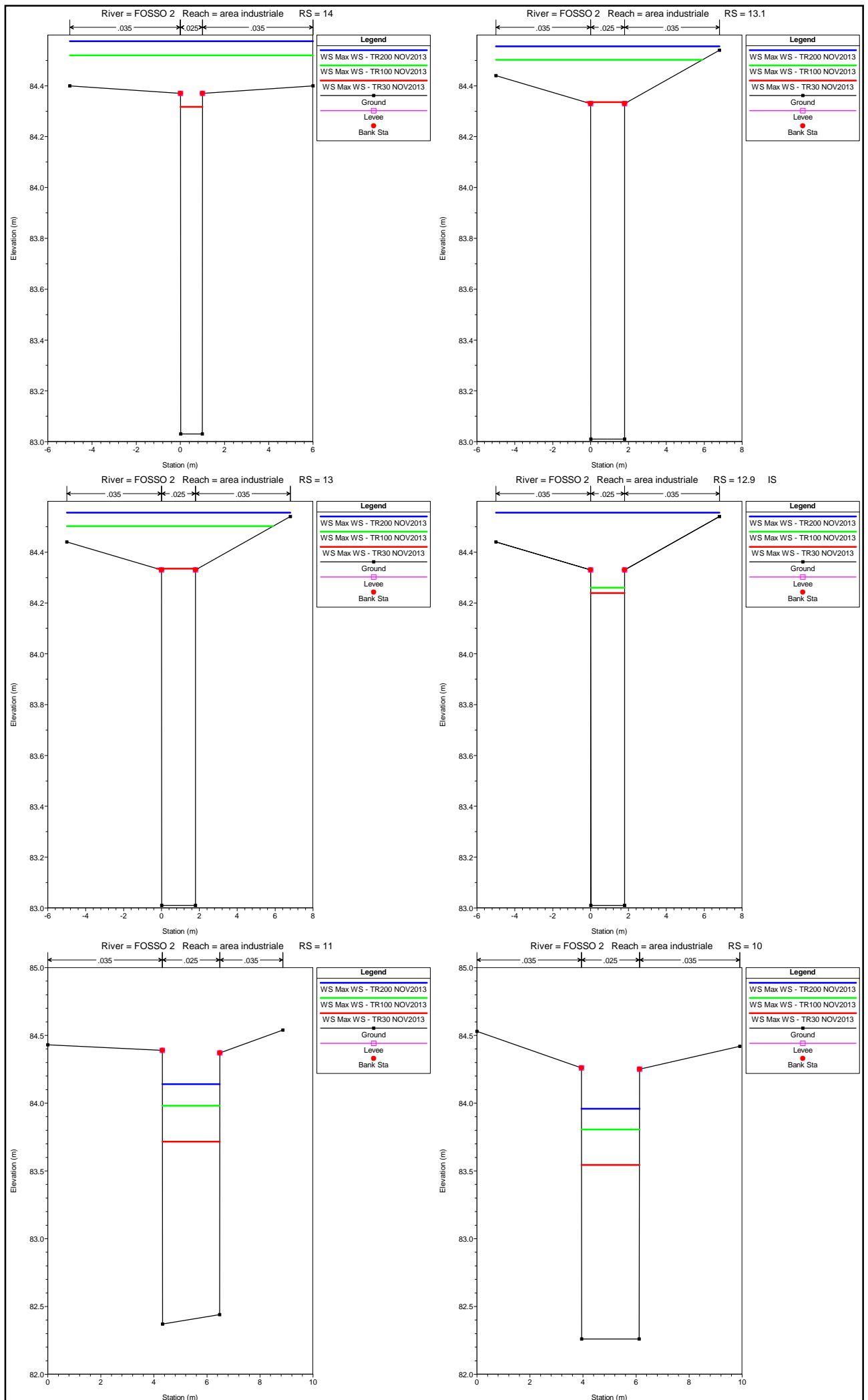


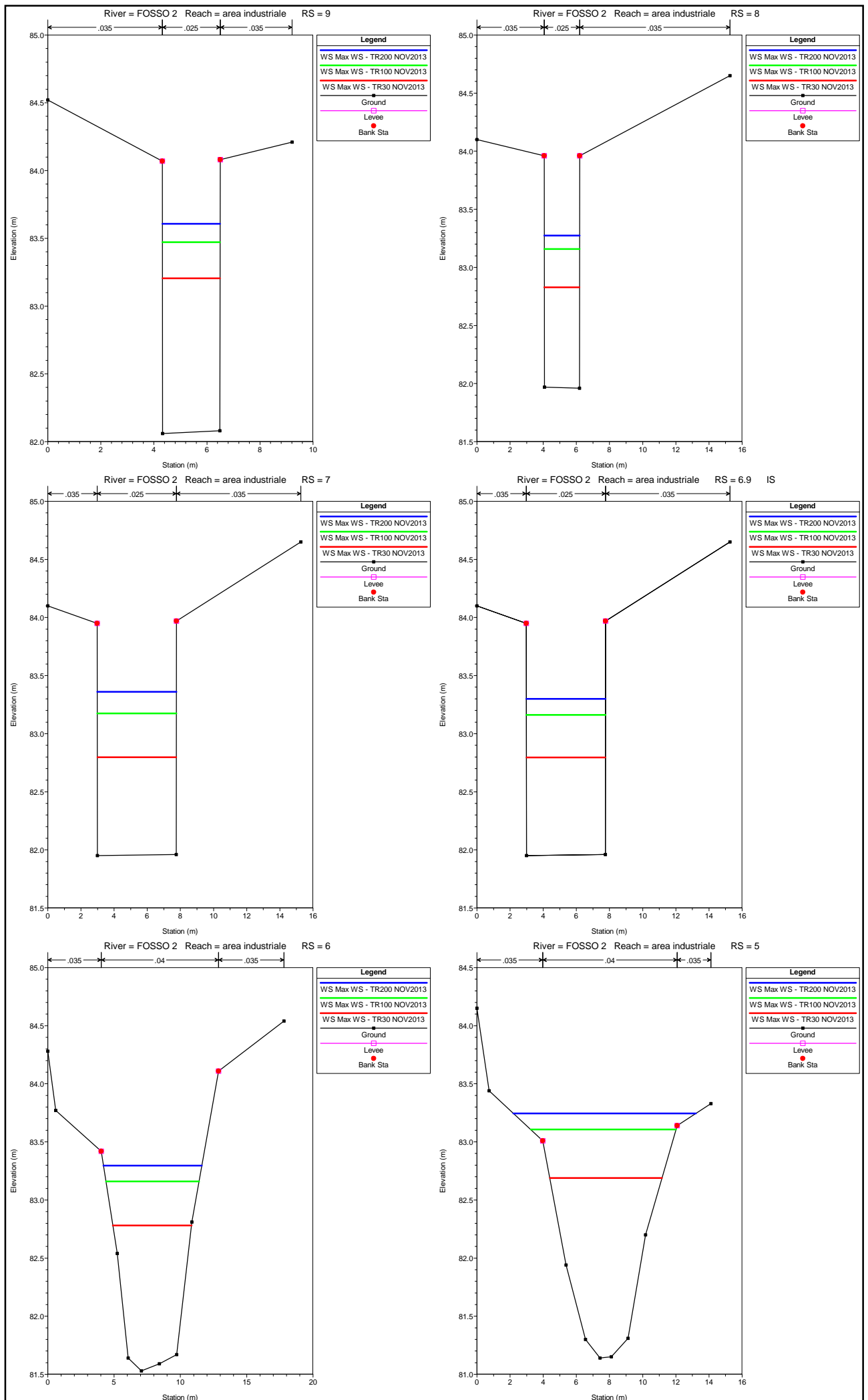
Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
area industriale	18	TR200 NOV2013	9.07	87.95	88.94	88.98	89.18	0.028626	2.20	4.15	12.00	1.13
area industriale	18	TR100 NOV2013	7.89	87.95	88.90	88.94	89.13	0.029594	2.11	3.74	10.58	1.13
area industriale	18	TR30 NOV2013	6.16	87.95	88.85	88.87	89.04	0.028095	1.94	3.19	9.86	1.09
area industriale	17	TR200 NOV2013	9.07	85.05	86.47	86.54	86.83	0.025462	2.68	3.39	5.44	1.08
area industriale	17	TR100 NOV2013	7.89	85.05	86.40	86.43	86.74	0.025752	2.61	3.03	5.07	1.08
area industriale	17	TR30 NOV2013	6.16	85.05	86.28	86.31	86.60	0.026193	2.49	2.47	4.46	1.07
area industriale	16	TR200 NOV2013	9.06	83.67	85.74		85.90	0.008043	1.78	5.24	7.82	0.60
area industriale	16	TR100 NOV2013	7.88	83.67	85.67		85.82	0.007821	1.70	4.72	6.81	0.58
area industriale	16	TR30 NOV2013	3.73	83.67	85.59		85.63	0.002352	0.89	4.19	5.63	0.31
area industriale	15	TR200 NOV2013	9.06	83.24	85.65		85.69	0.001703	1.02	10.28	13.71	0.28
area industriale	15	TR100 NOV2013	7.88	83.24	85.59		85.63	0.001590	0.96	9.54	13.71	0.27
area industriale	15	TR30 NOV2013	2.96	83.24	85.58		85.59	0.000236	0.37	9.38	13.71	0.10
area industriale	14.5		Culvert									
area industriale	14	TR200 NOV2013	8.86	83.03	84.58	84.73	85.11	0.029031	3.81	3.44	11.00	0.98
area industriale	14	TR100 NOV2013	7.88	83.03	84.52	84.71	85.19	0.034756	4.07	2.83	11.00	1.07
area industriale	14	TR30 NOV2013	4.81	83.03	84.32	84.60	85.04	0.034932	3.77	1.27	1.00	1.07
area industriale	13.1	TR200 NOV2013	8.79	83.01	84.56	84.66	84.90	0.008990	2.78	4.23	11.80	0.71
area industriale	13.1	TR100 NOV2013	7.82	83.01	84.50	84.26	84.85	0.008993	2.71	3.61	10.91	0.71
area industriale	13.1	TR30 NOV2013	4.78	83.01	84.34		84.54	0.005815	2.02	2.37	2.20	0.56
area industriale	13	TR200 NOV2013	8.79	83.01	84.56	84.66	84.90	0.008985	2.78	4.23	11.80	0.71
area industriale	13	TR100 NOV2013	7.82	83.01	84.50	84.26	84.85	0.008987	2.71	3.61	10.91	0.71
area industriale	13	TR30 NOV2013	4.78	83.01	84.34	83.91	84.54	0.005818	2.02	2.37	2.18	0.56
area industriale	12.9		Inl Struct									
area industriale	11	TR200 NOV2013	9.10	82.37	84.14		84.44	0.006331	2.43	3.75	2.17	0.59
area industriale	11	TR100 NOV2013	7.84	82.37	83.98		84.25	0.005998	2.30	3.40	2.17	0.59
area industriale	11	TR30 NOV2013	6.15	82.37	83.72		83.96	0.005953	2.18	2.83	2.16	0.61
area industriale	10	TR200 NOV2013	8.90	82.26	83.96		84.25	0.006233	2.41	3.70	2.19	0.59
area industriale	10	TR100 NOV2013	7.83	82.26	83.81		84.08	0.006138	2.33	3.37	2.19	0.60
area industriale	10	TR30 NOV2013	6.15	82.26	83.54		83.79	0.006116	2.20	2.80	2.18	0.62
area industriale	9	TR200 NOV2013	8.83	82.06	83.61		83.97	0.008027	2.65	3.33	2.18	0.68
area industriale	9	TR100 NOV2013	7.82	82.06	83.47		83.81	0.007970	2.57	3.04	2.17	0.70
area industriale	9	TR30 NOV2013	6.15	82.06	83.20		83.52	0.008586	2.50	2.46	2.17	0.75
area industriale	8	TR200 NOV2013	8.55	81.96	83.27		83.75	0.011982	3.07	2.78	2.13	0.86
area industriale	8	TR100 NOV2013	7.72	81.96	83.16		83.63	0.012457	3.04	2.54	2.13	0.89
area industriale	8	TR30 NOV2013	6.15	81.96	82.83	82.91	83.40	0.018866	3.35	1.83	2.13	1.15
area industriale	7	TR200 NOV2013	8.41	81.95	83.36	82.64	83.44	0.001160	1.26	6.70	4.77	0.34
area industriale	7	TR100 NOV2013	7.71	81.95	83.18	82.60	83.26	0.001460	1.33	5.82	4.77	0.38
area industriale	7	TR30 NOV2013	6.15	81.95	82.80	82.51	82.92	0.002752	1.53	4.02	4.77	0.53
area industriale	6.9		Inl Struct									
area industriale	6	TR200 NOV2013	9.28	81.53	83.30		83.35	0.001605	1.03	9.03	7.42	0.30
area industriale	6	TR100 NOV2013	8.09	81.53	83.16		83.21	0.001664	1.01	8.04	7.03	0.30
area industriale	6	TR30 NOV2013	6.13	81.53	82.78		82.84	0.002551	1.10	5.58	5.94	0.36
area industriale	5	TR200 NOV2013	9.05	81.14	83.25		83.28	0.000872	0.83	11.16	11.02	0.23
area industriale	5	TR100 NOV2013	7.97	81.14	83.11		83.14	0.000974	0.82	9.80	8.77	0.24
area industriale	5	TR30 NOV2013	6.13	81.14	82.69		82.73	0.001634	0.92	6.65	6.77	0.30
area industriale	4	TR200 NOV2013	9.04	81.07	83.23		83.27	0.000399	0.91	10.22	7.75	0.20
area industriale	4	TR100 NOV2013	7.87	81.07	83.09		83.13	0.000377	0.85	9.28	5.63	0.20
area industriale	4	TR30 NOV2013	6.12	81.07	82.68		82.72	0.000449	0.84	7.27	4.87	0.22
area industriale	3	TR200 NOV2013	9.04	81.04	83.12		83.28	0.002792	1.80	5.41	6.21	0.40
area industriale	3	TR100 NOV2013	7.89	81.04	82.99		83.14	0.002762	1.72	4.60	2.39	0.39
area industriale	3	TR30 NOV2013	6.12	81.04	82.58		82.72	0.003050	1.69	3.62	2.39	0.44
area industriale	2	TR200 NOV2013	9.04	80.98	83.13		83.26	0.002870	1.74	6.51	10.28	0.39
area industriale	2	TR100 NOV2013	7.88	80.98	82.87		83.10	0.004713	2.09	3.77	2.14	0.50
area industriale	2	TR30 NOV2013	6.11	80.98	82.44		82.68	0.005813	2.15	2.84	2.13	0.59
area industriale	1	TR200 NOV2013	0.65	80.67	82.87		82.87	0.000021	0.15	4.34	2.37	0.04
area industriale	1	TR100 NOV2013	0.47	80.67	82.67		82.67	0.000015	0.12	3.86	2.32	0.03
area industriale	1	TR30 NOV2013	6.13	80.67	81.83	81.81	82.30	0.013334	3.01	2.03	2.07	0.97
area industriale	0.9	TR200 NOV2013	4.60	80.63	82.88	81.31	82.90	0.000355	0.70	6.58	3.02	0.15
area industriale	0.9	TR100 NOV2013	4.52	80.63	82.67	81.30	82.70	0.000444	0.76	5.95	3.02	0.17
area industriale	0.9	TR30 NOV2013	0.45	80.63	81.73	80.82	81.73	0.000025	0.14	3.11	3.01	0.05
area industriale	0.8		Bridge									
area industriale	0.7	TR200 NOV2013	0.70	80.56	82.86		82.86	0.000007	0.10	6.92	3.02	0.02
area industriale	0.7	TR100 NOV2013	0.47	80.56	82.66		82.66	0.000004	0.07	6.32	3.02	0.02
area industriale	0.7	TR30 NOV2013	0.45	80.56	81.73		81.73	0.000018	0.13	3.49	3.01	0.04
area industriale	0.6	TR200 NOV2013	4.59	80.17	82.87		82.87	0.000036	0.21	24.12	24.54	0.06
area industriale	0.6	TR100 NOV2013	4.51	80.17	82.67		82.67	0.000063	0.26	19.19	24.54	0.07
area industriale	0.6	TR30 NOV2013	6.12	80.17	81.77		81.82	0.001691	0.94	6.51	8.45	0.34
area industriale	0.5	TR200 NOV2013	0.10	77.89	82.86	77.98	82.86	0.000000	0.00	46.59	21.29	0.00
area industriale	0.5	TR100 NOV2013	0.10	77.89	82.66	77.98	82.66	0.000000	0.00	42.34	21.29	0.00
area industriale	0.5	TR30 NOV2013	0.20	77.89	81.72	78.02	81.72	0.000000	0.01	23.77	15.15	0.00

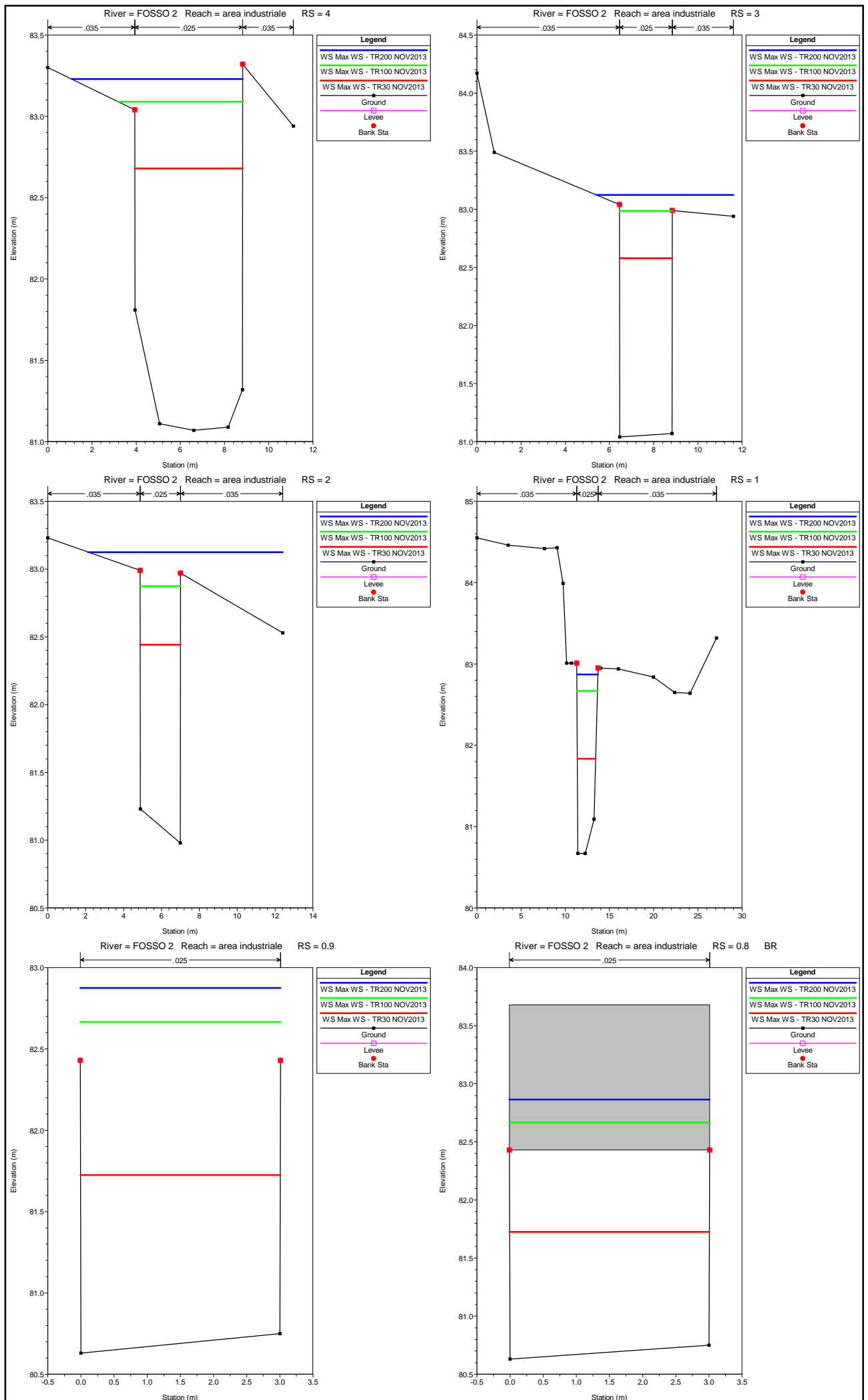
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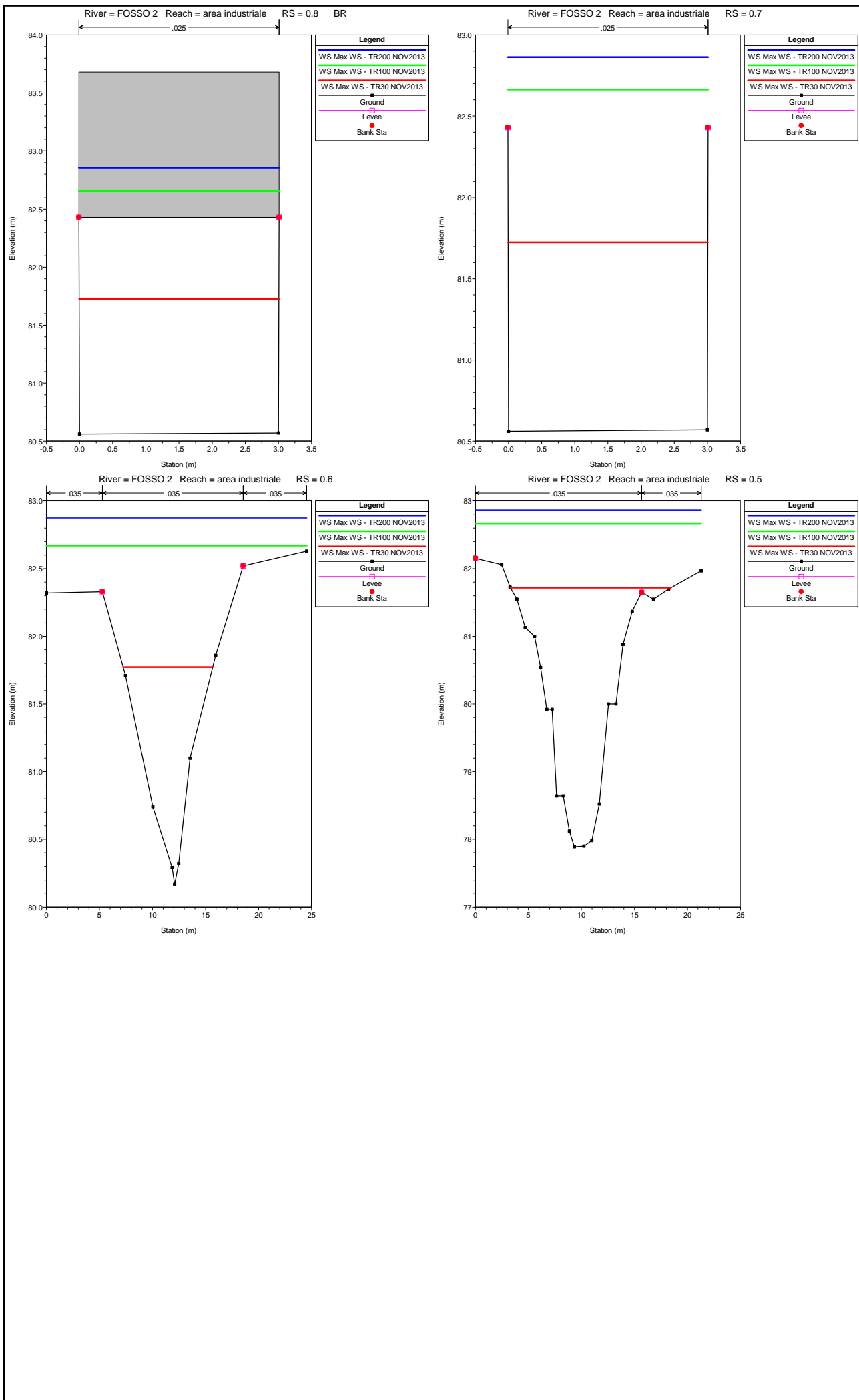












Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	23	Max WS	TR200 Dcr	75.90	147.13	149.17		149.36	0.001204	2.05	42.28	29.82	0.46
valle	23	Max WS	TR100 Dcr	63.93	147.13	148.88		149.10	0.001632	2.15	33.75	29.54	0.52
valle	23	Max WS	TR30 Dcr	46.40	147.13	148.45		148.73	0.002906	2.36	20.90	29.11	0.67
valle	22	Max WS	TR200 Dcr	75.88	144.23	146.12	146.66	147.78	0.042456	6.12	14.26	12.65	1.53
valle	22	Max WS	TR100 Dcr	63.92	144.23	146.00	146.47	147.46	0.039656	5.69	12.82	12.07	1.48
valle	22	Max WS	TR30 Dcr	46.39	144.23	145.81	146.15	146.93	0.034759	4.94	10.55	11.09	1.37
valle	21.9			Lat Struct									
valle	21	Max WS	TR200 Dcr	50.17	144.07	145.70	145.40	145.81	0.006036	1.48	33.82	50.23	0.58
valle	21	Max WS	TR100 Dcr	41.39	144.07	145.61	145.31	145.71	0.005725	1.40	29.58	46.08	0.56
valle	21	Max WS	TR30 Dcr	28.91	144.07	145.46	145.16	145.54	0.005027	1.25	23.21	39.04	0.52
valle	20.5			Ini Struct									
valle	20	Max WS	TR200 Dcr	50.17	141.88	144.36		144.43	0.001400	1.18	42.40	28.85	0.31
valle	20	Max WS	TR100 Dcr	41.39	141.88	144.22		144.28	0.001249	1.08	38.41	27.62	0.29
valle	20	Max WS	TR30 Dcr	28.91	141.88	143.99		144.03	0.000979	0.89	32.32	25.64	0.25
valle	19	Max WS	TR200 Dcr	50.17	142.52	144.10	144.35	145.05	0.031889	4.32	11.61	11.03	1.34
valle	19	Max WS	TR100 Dcr	41.39	142.52	143.96	144.18	144.81	0.031438	4.08	10.14	10.47	1.32
valle	19	Max WS	TR30 Dcr	28.91	142.52	143.76	143.90	144.41	0.028503	3.57	8.10	9.64	1.24
valle	18	Max WS	TR200 Dcr	50.17	141.83	143.39		143.61	0.008082	2.11	23.74	25.19	0.70
valle	18	Max WS	TR100 Dcr	41.39	141.83	143.22		143.45	0.009968	2.10	19.69	24.77	0.75
valle	18	Max WS	TR30 Dcr	28.91	141.83	142.98		143.21	0.015161	2.09	13.83	24.14	0.88
valle	17	Max WS	TR200 Dcr	50.17	141.28	143.41		143.50	0.001736	1.38	36.44	22.93	0.35
valle	17	Max WS	TR100 Dcr	41.38	141.28	143.23		143.31	0.001683	1.28	32.44	22.44	0.34
valle	17	Max WS	TR30 Dcr	28.91	141.28	142.91		142.98	0.001726	1.13	25.47	21.57	0.33
valle	16	Max WS	TR200 Dcr	50.17	140.63	143.27		143.46	0.004513	1.97	25.47	19.21	0.55
valle	16	Max WS	TR100 Dcr	41.38	140.63	143.10		143.28	0.004329	1.85	22.39	18.01	0.53
valle	16	Max WS	TR30 Dcr	28.91	140.63	142.80		142.94	0.004212	1.67	17.29	15.82	0.51
valle	15	Max WS	TR200 Dcr	50.17	140.86	143.22	142.73	143.44	0.005250	2.07	24.25	19.09	0.59
valle	15	Max WS	TR100 Dcr	41.38	140.86	143.06	142.58	143.25	0.005108	1.95	21.22	17.88	0.57
valle	15	Max WS	TR30 Dcr	28.91	140.86	142.76	142.33	142.92	0.005210	1.79	16.12	15.65	0.56
valle	14.5			Ini Struct									
valle	14	Max WS	TR200 Dcr	50.17	139.89	141.72		142.21	0.013168	3.11	16.11	13.51	0.91
valle	14	Max WS	TR100 Dcr	41.38	139.89	141.56		142.00	0.013378	2.97	13.94	12.74	0.91
valle	14	Max WS	TR30 Dcr	28.91	139.89	141.26		141.65	0.015082	2.80	10.33	11.33	0.94
valle	13.9			Lat Struct									
valle	13	Max WS	TR200 Dcr	50.16	139.65	141.54	141.75	142.42	0.025967	4.16	12.07	10.29	1.23
valle	13	Max WS	TR100 Dcr	41.38	139.65	141.38	141.55	142.18	0.025535	3.97	10.43	9.42	1.20
valle	13	Max WS	TR30 Dcr	28.91	139.65	141.07	141.22	141.77	0.026002	3.72	7.77	7.80	1.19
valle	12	Max WS	TR200 Dcr	50.15	139.15	141.05	141.05	141.66	0.016069	3.45	14.52	11.96	1.00
valle	12	Max WS	TR100 Dcr	41.38	139.15	140.89	140.87	141.44	0.015883	3.27	12.66	11.25	0.98
valle	12	Max WS	TR30 Dcr	28.91	139.15	140.52	140.59	141.07	0.021160	3.30	8.77	9.59	1.10
valle	11	Max WS	TR200 Dcr	50.15	138.76	140.91		141.49	0.012250	3.38	14.85	9.50	0.85
valle	11	Max WS	TR100 Dcr	41.38	138.76	140.76		141.24	0.011239	3.07	13.49	9.29	0.81
valle	11	Max WS	TR30 Dcr	28.91	138.76	140.34		140.79	0.013317	2.95	9.81	8.28	0.86
valle	10	Max WS	TR200 Dcr	50.14	138.29	140.75		141.12	0.006460	2.70	18.70	11.05	0.65
valle	10	Max WS	TR100 Dcr	41.36	138.29	140.64		140.93	0.005322	2.37	17.53	10.84	0.58
valle	10	Max WS	TR30 Dcr	28.90	138.29	140.08		140.39	0.008492	2.46	11.76	9.57	0.71
valle	9	Max WS	TR200 Dcr	49.51	137.50	140.79		140.95	0.002176	1.80	29.47	19.45	0.38
valle	9	Max WS	TR100 Dcr	41.22	137.50	140.66		140.79	0.001911	1.62	26.99	18.21	0.36
valle	9	Max WS	TR30 Dcr	28.92	137.50	140.02		140.17	0.003204	1.70	16.97	11.39	0.44
valle	8	Max WS	TR200 Dcr	50.00	137.22	140.75		140.90	0.002095	1.72	31.11	21.13	0.37
valle	8	Max WS	TR100 Dcr	44.74	137.22	140.56		140.71	0.002302	1.72	27.05	20.80	0.38
valle	8	Max WS	TR30 Dcr	31.14	137.22	139.90		140.06	0.003039	1.73	18.03	10.70	0.42
valle	7	Max WS	TR200 Dcr	51.91	137.28	140.18		140.77	0.012105	3.41	15.23	8.18	0.80
valle	7	Max WS	TR100 Dcr	45.98	137.28	140.03		140.58	0.011853	3.28	14.04	7.92	0.79
valle	7	Max WS	TR30 Dcr	31.86	137.28	139.41		139.99	0.016999	3.38	9.42	6.82	0.92
valle	6.1	Max WS	TR200 Dcr	51.88	136.58	140.27	138.77	140.31	0.000611	1.06	72.28	80.20	0.21
valle	6.1	Max WS	TR100 Dcr	45.98	136.58	140.11	138.65	140.16	0.000731	1.11	60.36	74.93	0.22
valle	6.1	Max WS	TR30 Dcr	31.86	136.58	139.34	138.32	139.47	0.002319	1.59	20.19	13.69	0.38
valle	6.05			Bridge									
valle	6	Max WS	TR200 Dcr	51.86	136.58	138.91		139.49	0.012903	3.35	15.48	10.35	0.87
valle	6	Max WS	TR100 Dcr	45.98	136.58	138.79		139.32	0.012935	3.24	14.21	10.06	0.87
valle	6	Max WS	TR30 Dcr	31.85	136.58	138.38		138.87	0.015788	3.11	10.25	9.11	0.93
valle	5	Max WS	TR200 Dcr	50.79	136.36	138.88		139.03	0.003103	1.78	32.04	38.89	0.46
valle	5	Max WS	TR100 Dcr	46.27	136.36	138.78		138.93	0.003345	1.78	28.24	33.69	0.48
valle	5	Max WS	TR30 Dcr	31.89	136.36	138.44		138.58	0.003651	1.64	19.49	19.08	0.48
valle	4.9			Lat Struct									
valle	4	Max WS	TR200 Dcr	50.60	136.38	138.69		139.27	0.013721	3.37	15.00	11.41	0.93
valle	4	Max WS	TR100 Dcr	45.36	136.38	138.53	138.50	139.13	0.015570	3.43	13.22	10.50	0.98
valle	4	Max WS	TR30 Dcr	31.87	136.38	138.20	138.18	138.72	0.016304	3.19	10.01	9.24	0.98

HEC-RAS River: Borro gli Amaion Reach: valle Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	3	Max WS	TR200 Dcr	50.50	135.49	138.42		138.80	0.008464	2.74	18.44	12.59	0.72
valle	3	Max WS	TR100 Dcr	45.33	135.49	138.24		138.64	0.009536	2.79	16.26	11.80	0.76
valle	3	Max WS	TR30 Dcr	31.86	135.49	137.90		138.23	0.009524	2.55	12.48	10.28	0.74
valle	2	Max WS	TR200 Dcr	47.73	134.94	138.49		138.55	0.001076	1.20	52.42	76.79	0.28
valle	2	Max WS	TR100 Dcr	46.00	134.94	138.25		138.37	0.002061	1.54	31.91	48.12	0.37
valle	2	Max WS	TR30 Dcr	32.25	134.94	137.89		137.99	0.001948	1.37	23.55	15.53	0.35
valle	1	Max WS	TR200 Dcr	75.68	134.44	137.87	137.13	138.09	0.002896	2.15	39.24	31.60	0.46
valle	1	Max WS	TR100 Dcr	63.82	134.44	137.66	136.96	137.86	0.002997	2.06	33.67	20.76	0.46
valle	1	Max WS	TR30 Dcr	46.35	134.44	137.32	136.54	137.49	0.002996	1.88	26.64	20.23	0.45

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
S1	Max WS	TR200 Dcr	142.33	140.80	0.04	0.05	0.02
S1	Max WS	TR100 Dcr	142.25	140.80	0.08	0.03	0.02
S1	Max WS	TR30 Dcr	142.11	140.80	0.01	0.03	0.01
S2	Max WS	TR200 Dcr	140.74	139.90	6.61	0.80	0.26
S2	Max WS	TR100 Dcr	140.64	139.90	0.09	0.80	0.18
S2	Max WS	TR30 Dcr	140.58	139.90	0.01	0.80	0.13
S3	Max WS	TR200 Dcr	138.44	134.70	-0.19	6.77	5.37
S3	Max WS	TR100 Dcr	138.30	134.70	0.01	3.19	4.44
S3	Max WS	TR30 Dcr	138.24	134.70	-0.01	3.19	4.27

