

Comune Capraia e Limite    Comune Cerreto Guidi    Comune Empoli    Comune Montelupo F.no    Comune Vinci



PIANO STRUTTURALE INTERCOMUNALE

## DOC.QI.001a

**Allegati di modellazione idraulica  
reticolo minore – Montelupo Fiorentino**

**Montelupo Fiorentino**

Luglio 2023

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Sindaco Comune di Empoli

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Sindaco Comune di Montelupo Fiorentino

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Sindaco Comune di Vinci

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**Rosanna Spinelli**

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**Viola Fabbrizzi**

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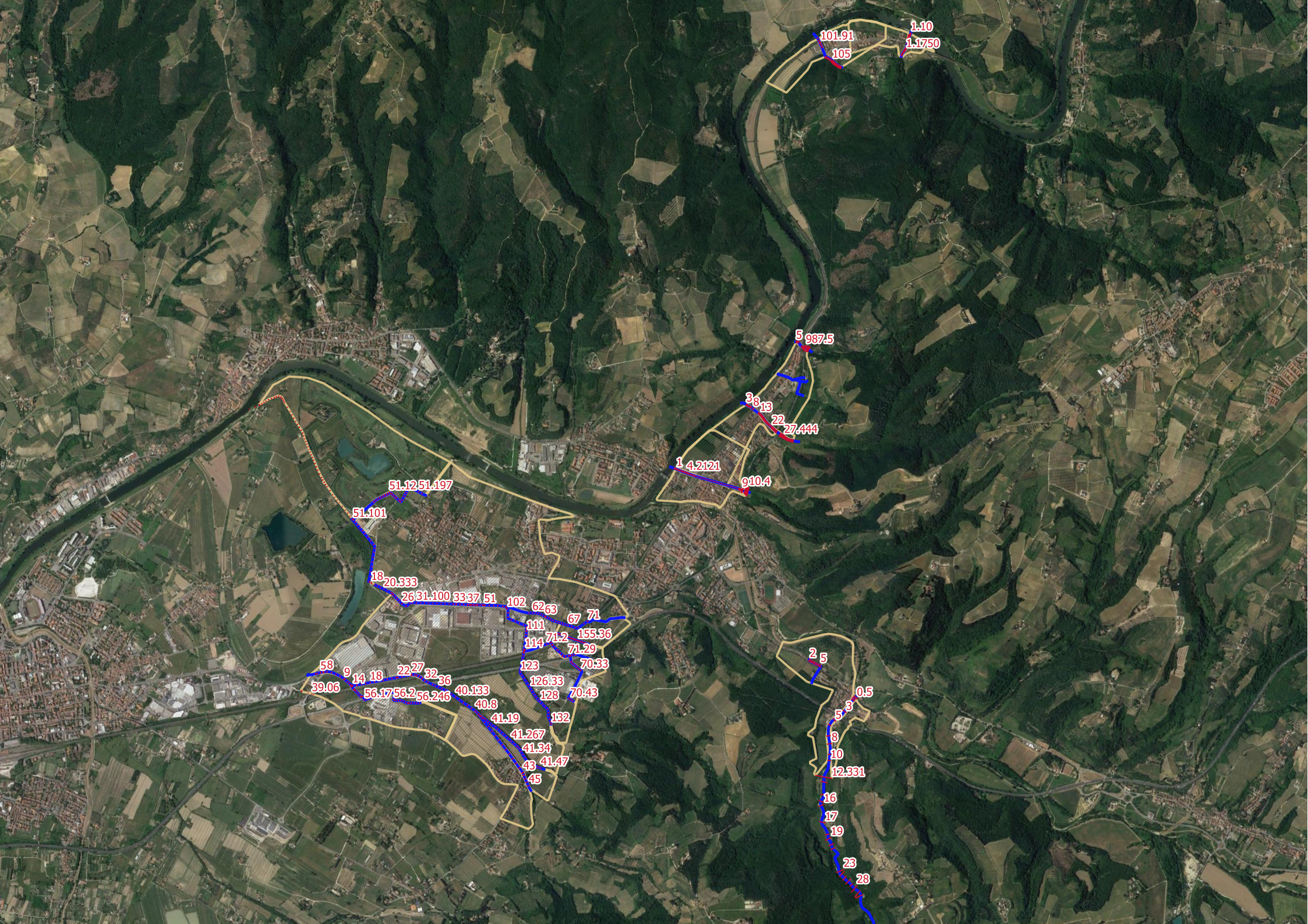
Collaborazione e Elaborazione grafica e GIS

### **SOCIOLAB**

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101.91  
105  
1-10  
1.1750

5 987.5

38.13  
22  
27.444

1 4.2121  
910.4

51.1251.197

51.101

18 20.333

26 31.100 33 37.51 102 62 63

111 67 71

114 71.2 155.36

123 71.29

126 33 70.33

128 70.43

40.133 40.8

41.19 132

41.267

41.34

43 41.47

45

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39.06 56.17 56.2 56.246

40.133

2 5

5 3

8

10

12.331

16

17











19

23

28

0.5

# LEGENDA

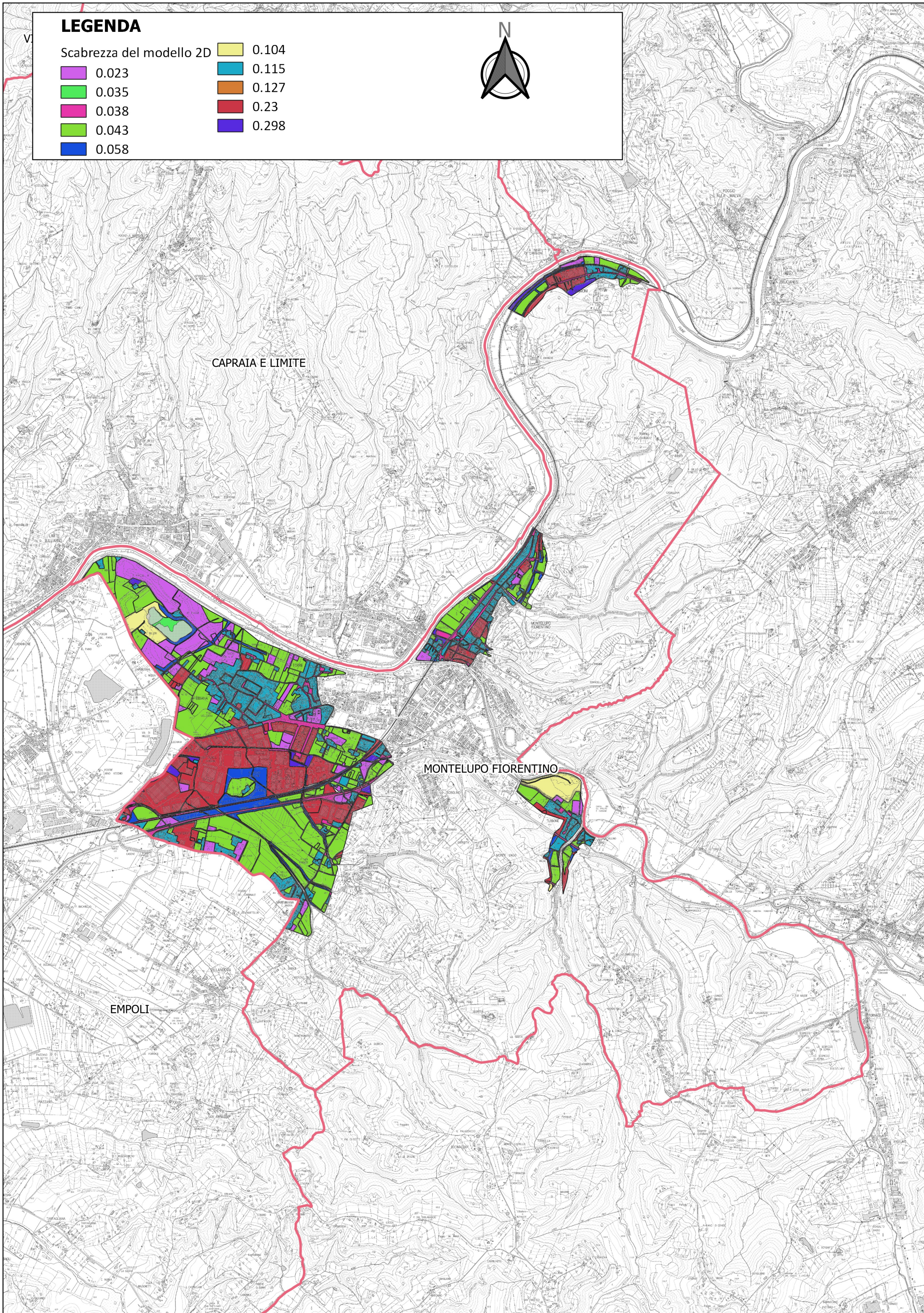
Scabrezza del modello 2D	
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	0.023
	0.035
	0.038
	0.043
	0.058
	0.115
	0.127
	0.23
	0.298

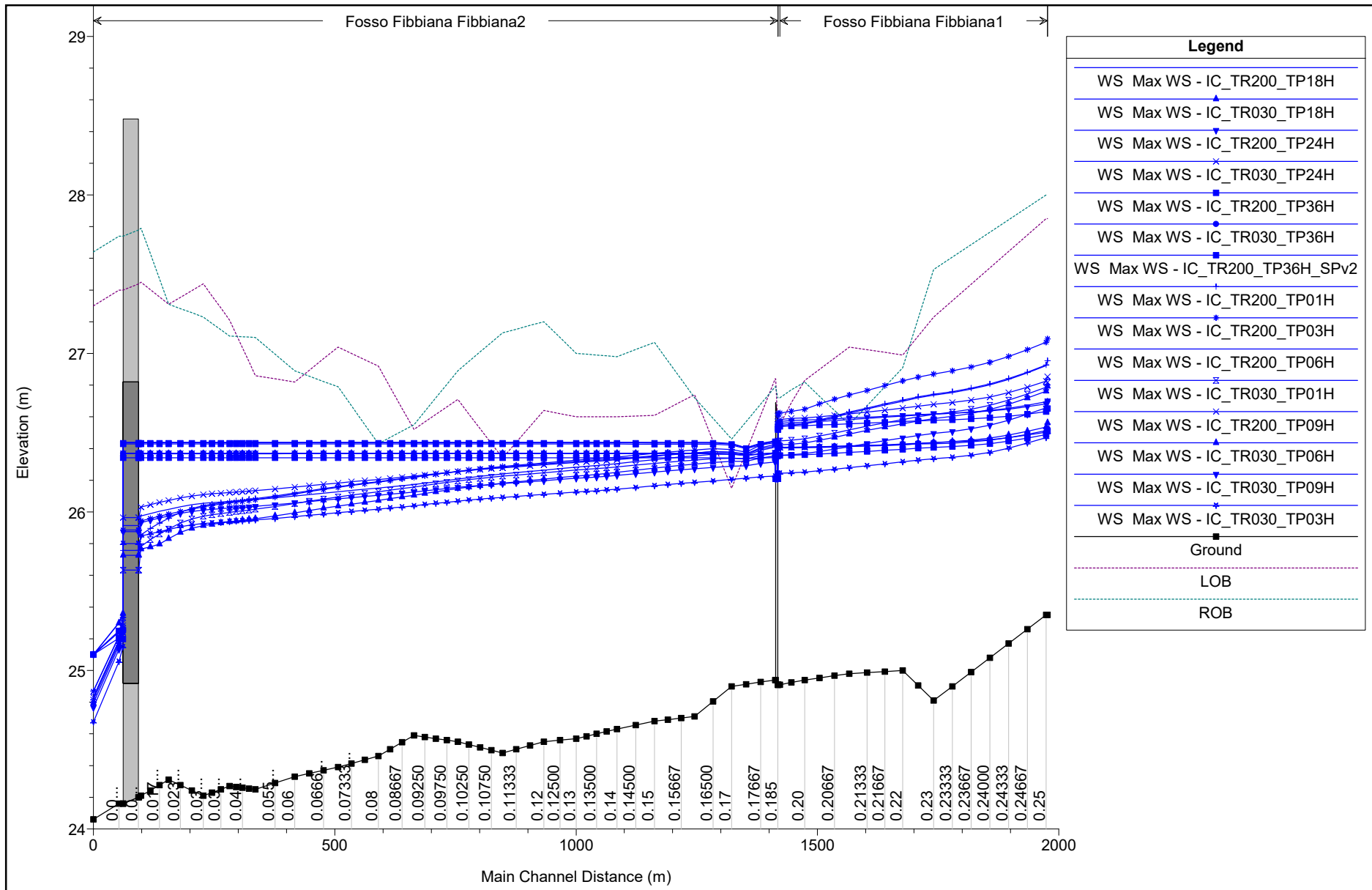


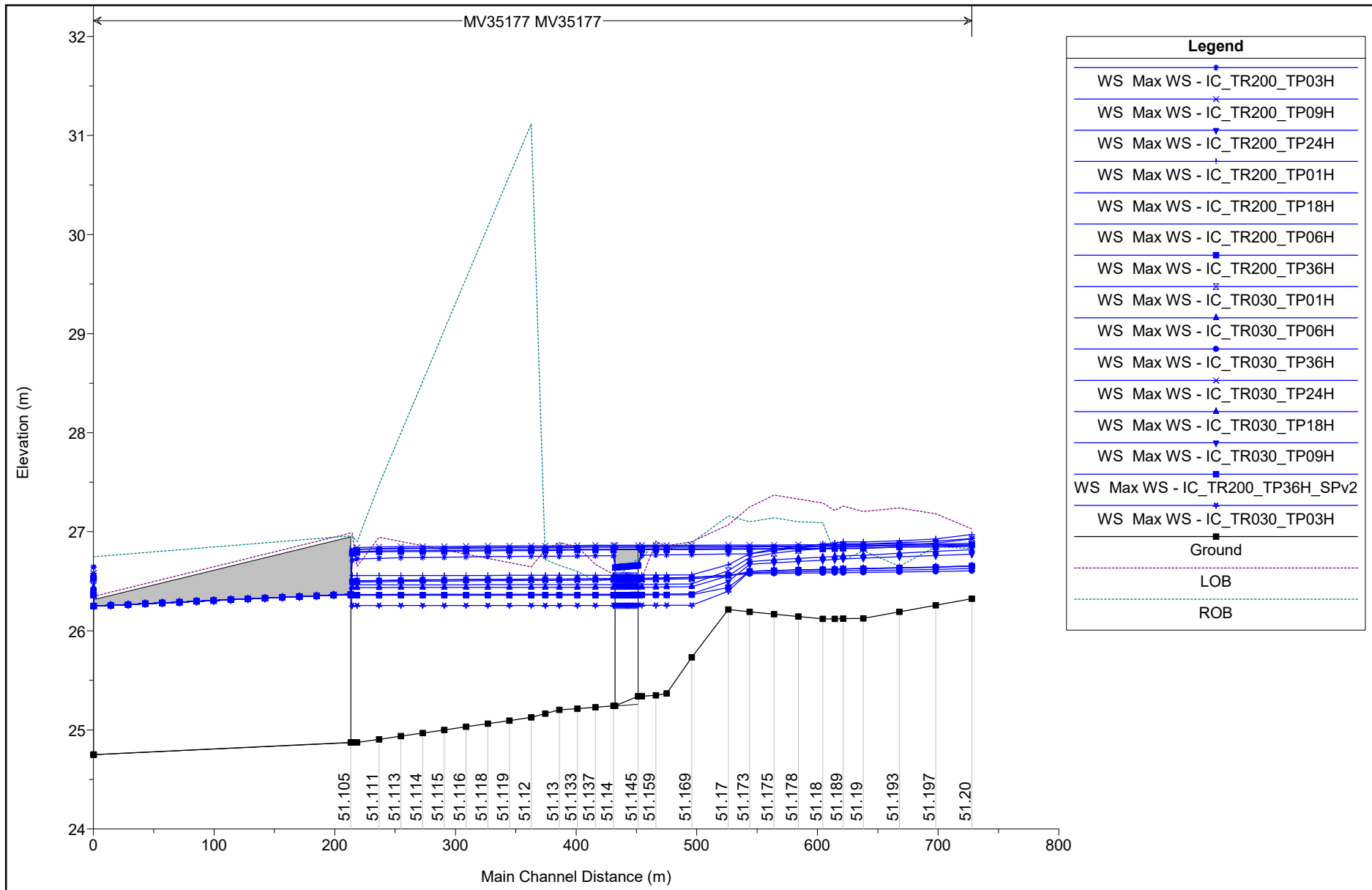
CAPRAIA E LIMITE

MONTELUPO FIORENTINO

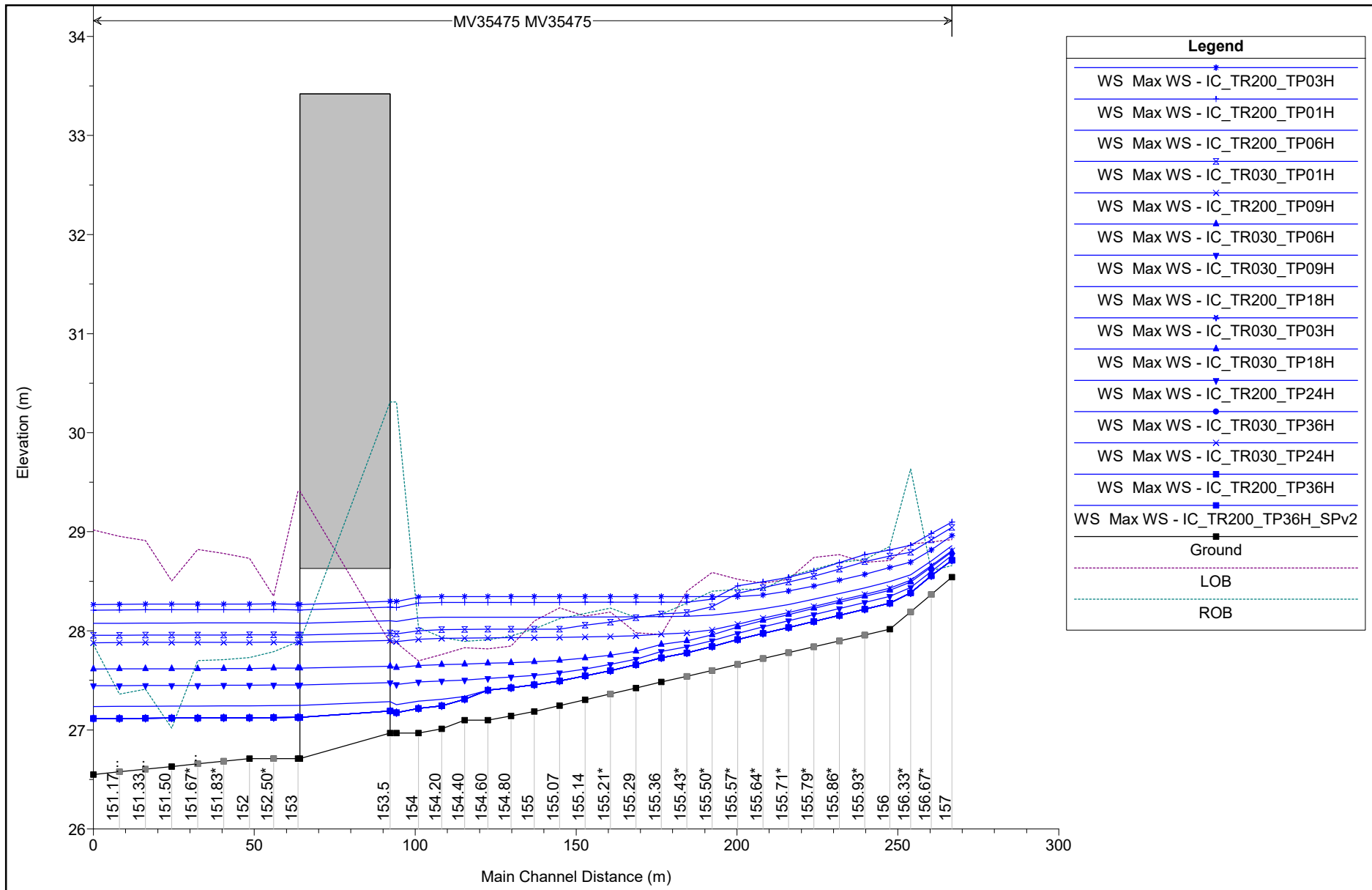
EMPOLI



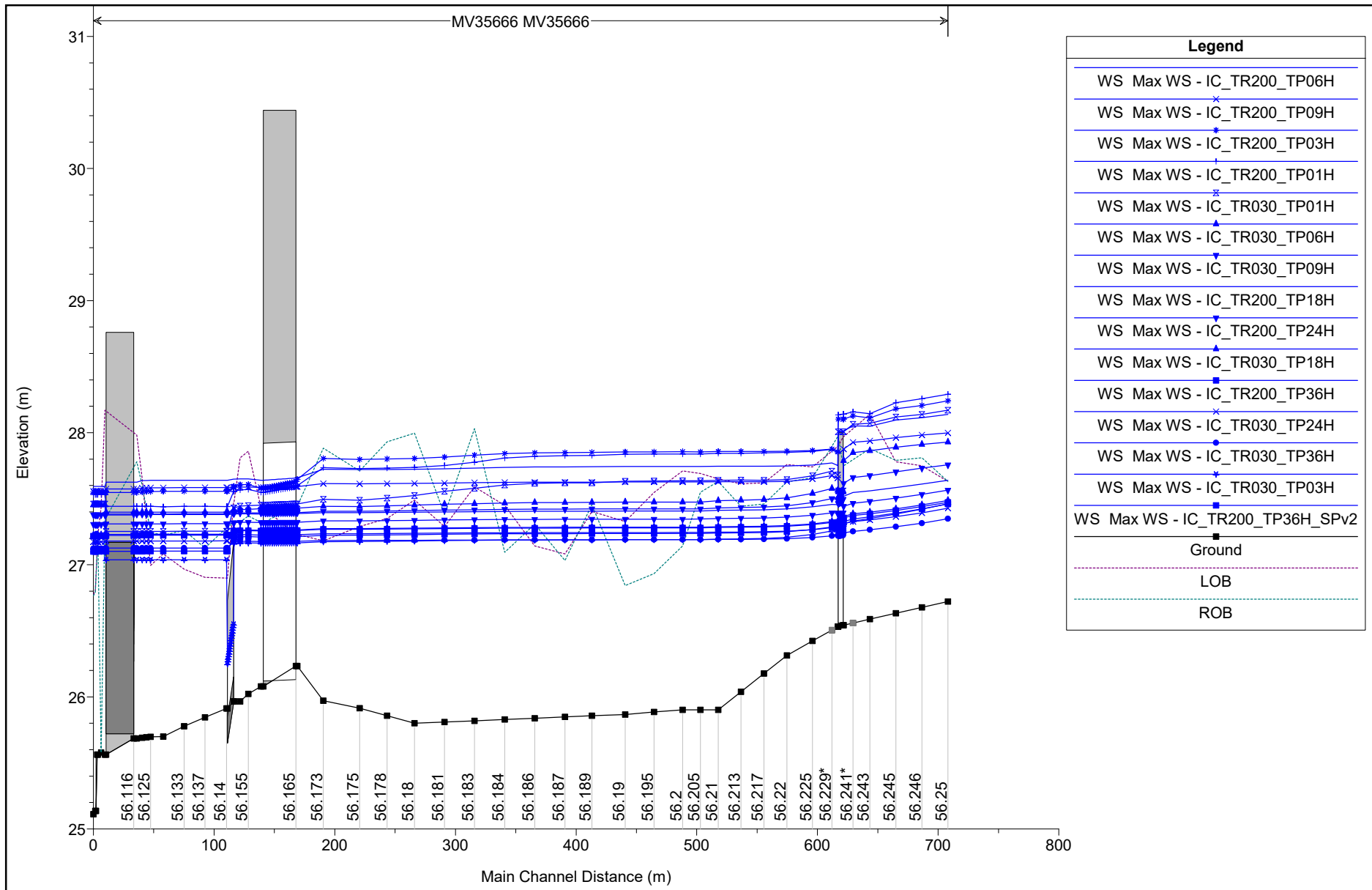




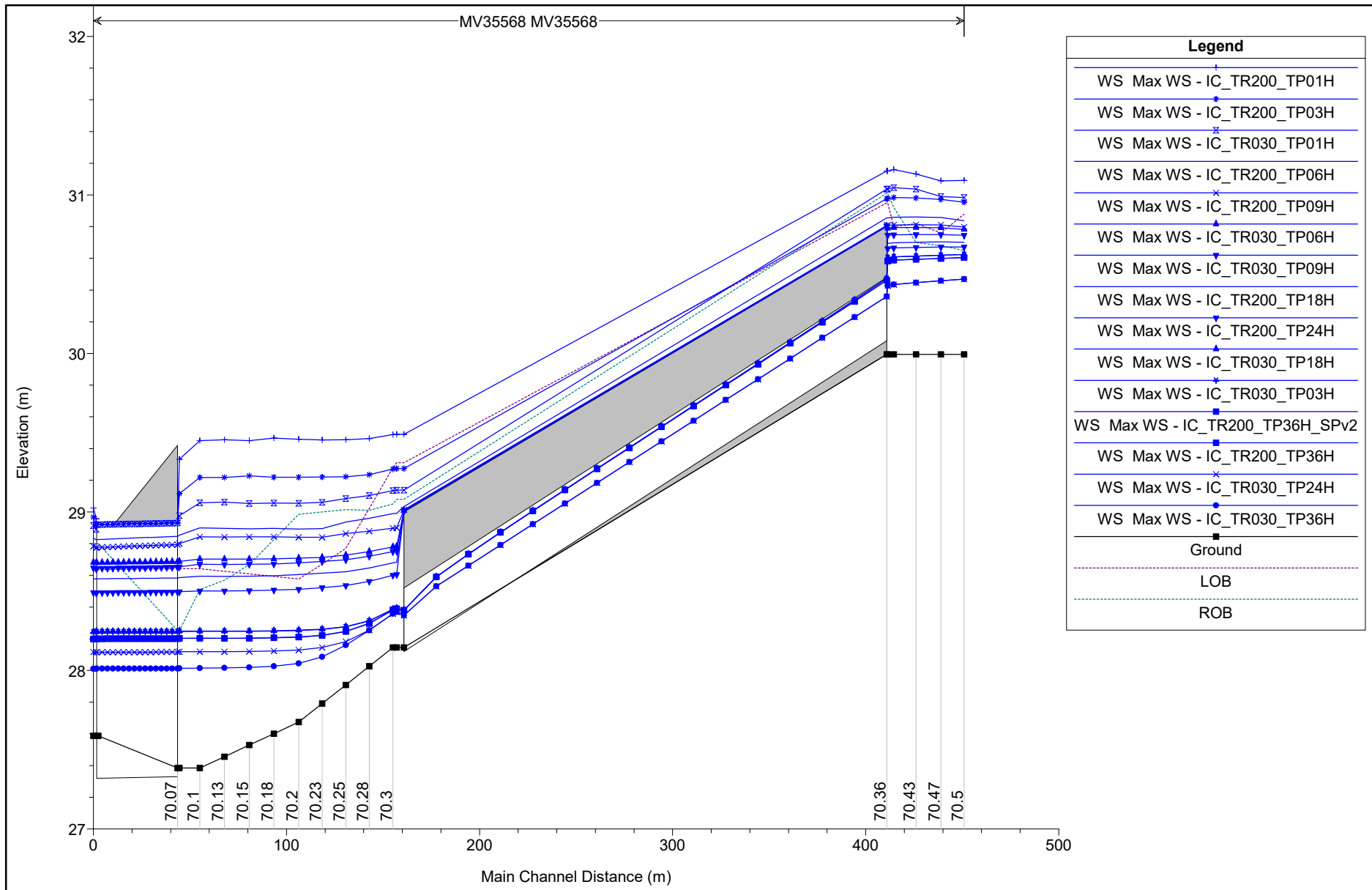
51.105 51.111 51.113 51.114 51.115 51.116 51.118 51.119 51.12 51.13 51.133 51.137 51.14 51.145 51.159 51.169 51.17 51.173 51.175 51.178 51.18 51.189 51.19 51.193 51.197 51.20

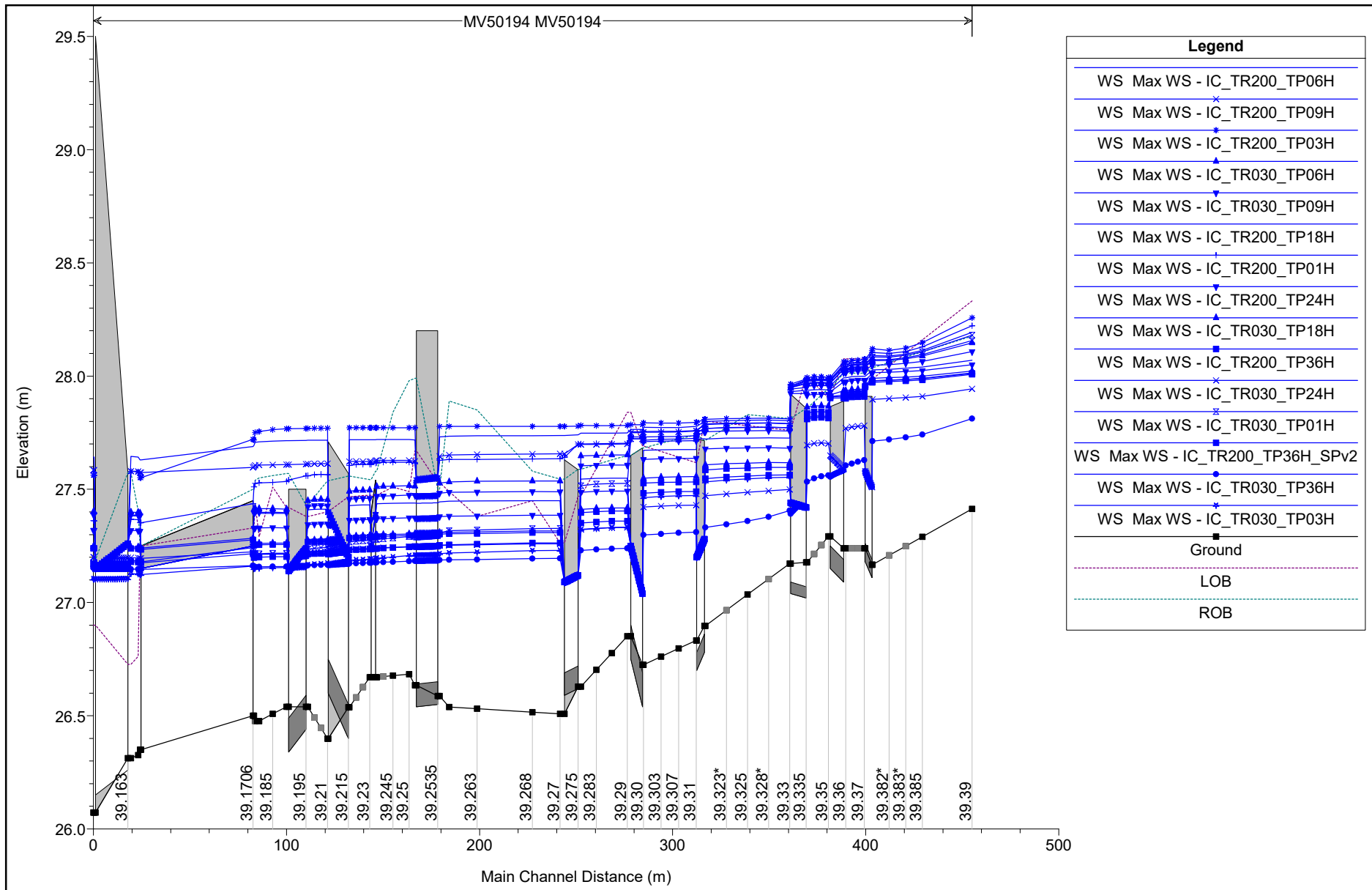


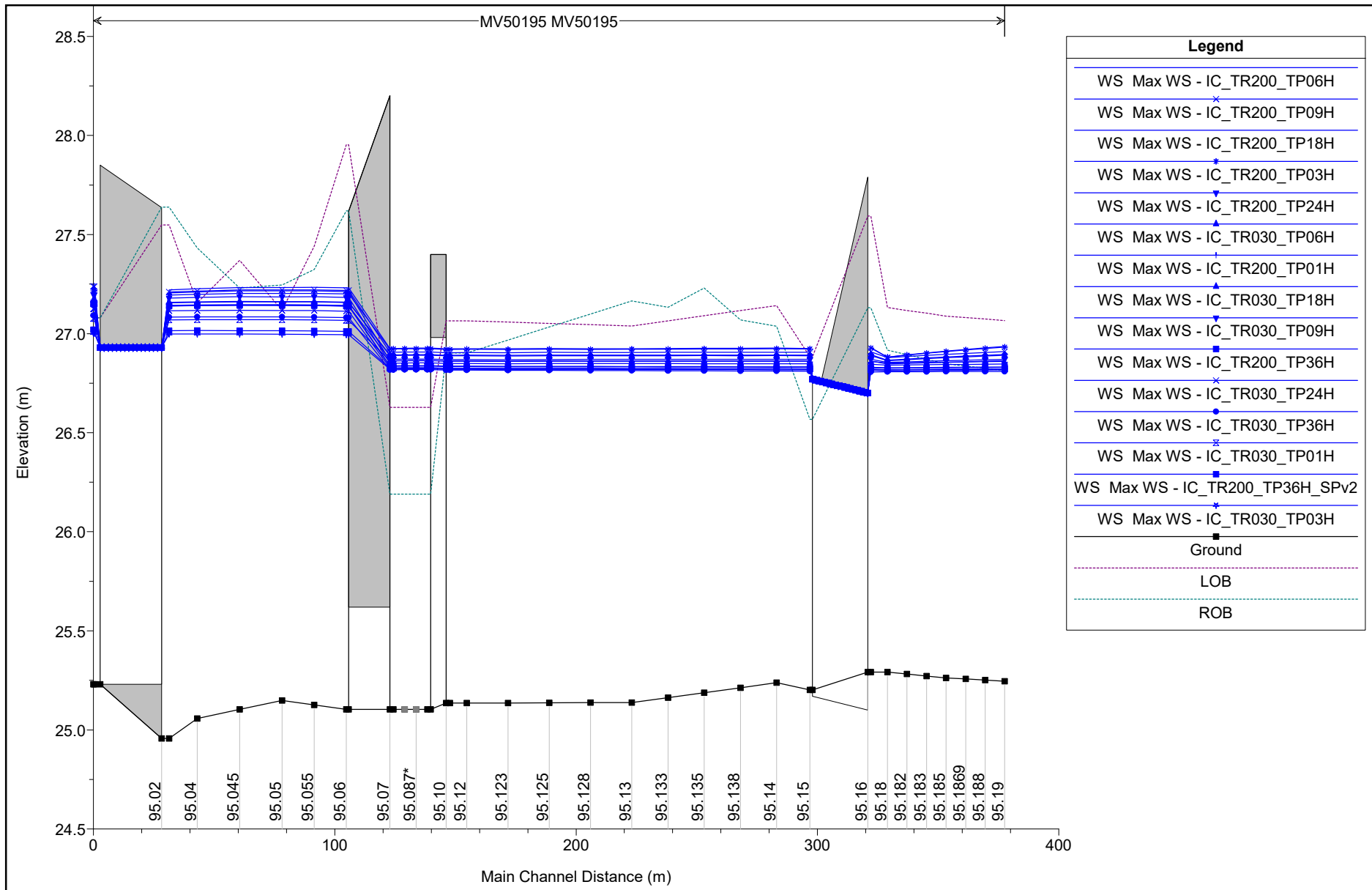




Main Channel Distance (m)	Elevation (m)
0	25.1
56.116	25.5
56.125	25.6
56.133	25.65
56.137	25.7
56.14	25.8
56.155	26.0
56.165	26.2
56.173	26.0
56.175	25.95
56.178	25.9
56.18	25.85
56.181	25.85
56.183	25.85
56.184	25.85
56.186	25.85
56.187	25.85
56.189	25.85
56.19	25.85
56.195	25.85
56.2	25.85
56.205	25.85
56.21	25.85
56.213	26.0
56.217	26.2
56.22	26.3
56.225	26.4
56.229*	26.5
56.241*	26.5
56.243	26.55
56.245	26.6
56.246	26.65
56.25	26.7







28.5

28.0

27.5

27.0

26.5

26.0

25.5

25.0

24.5

0

95.02

95.04

95.045

95.05

95.055

95.06

95.07

95.087\*

95.10

95.12

95.123

95.125

95.128

95.13

95.133

95.135

95.138

95.14

95.15

95.16

95.18

95.182

95.183

95.185

95.1869

95.188

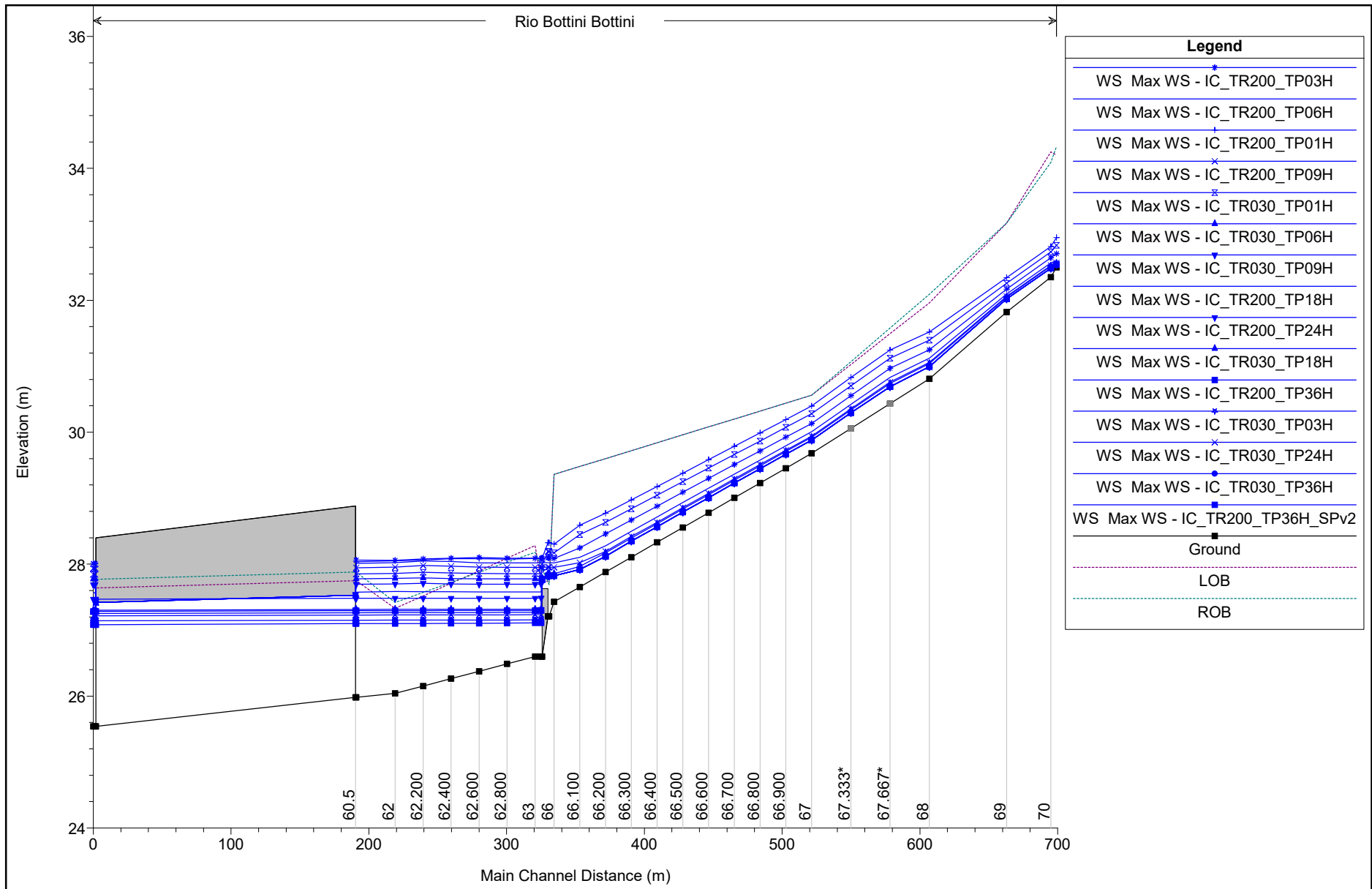
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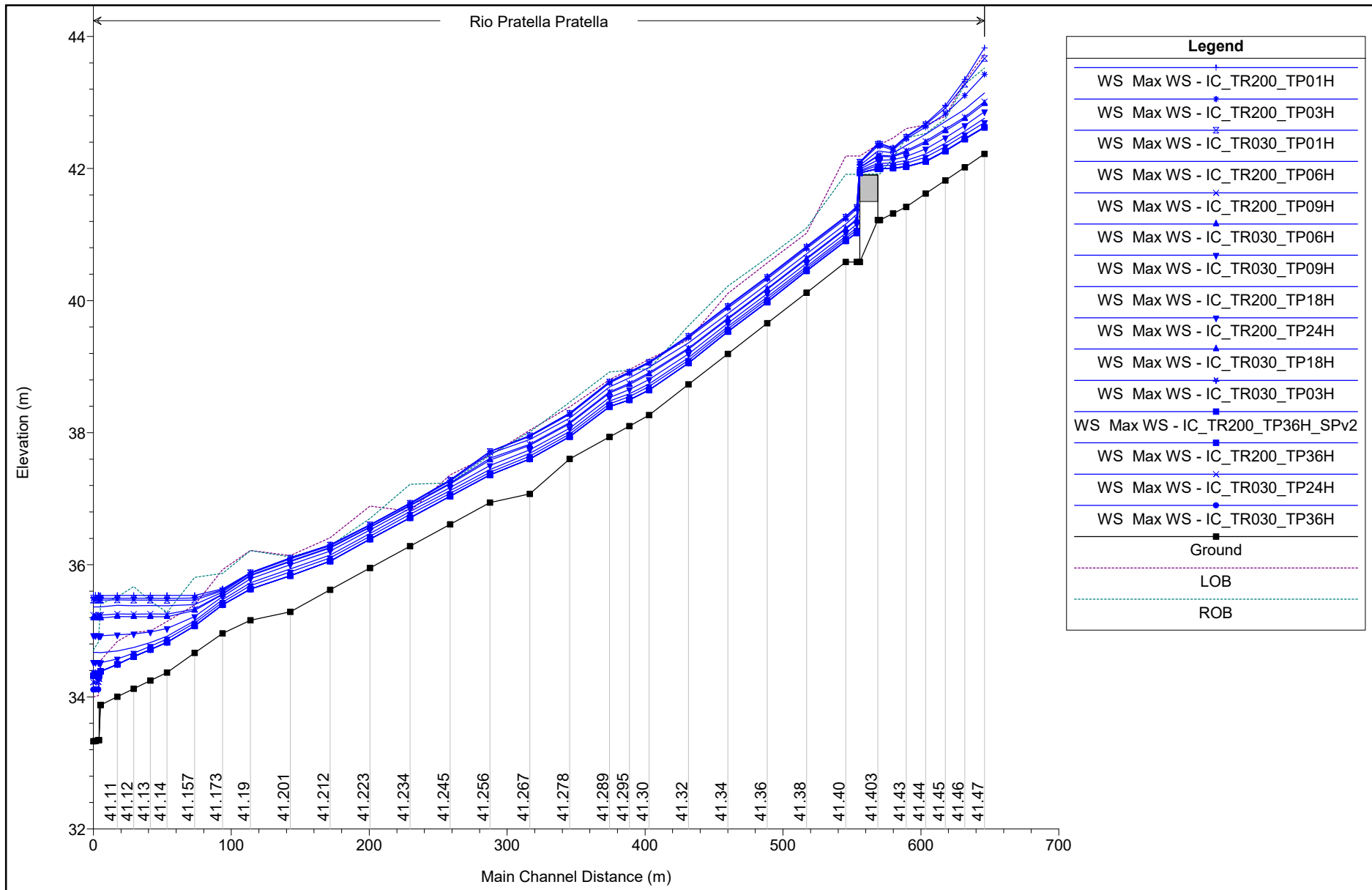
100

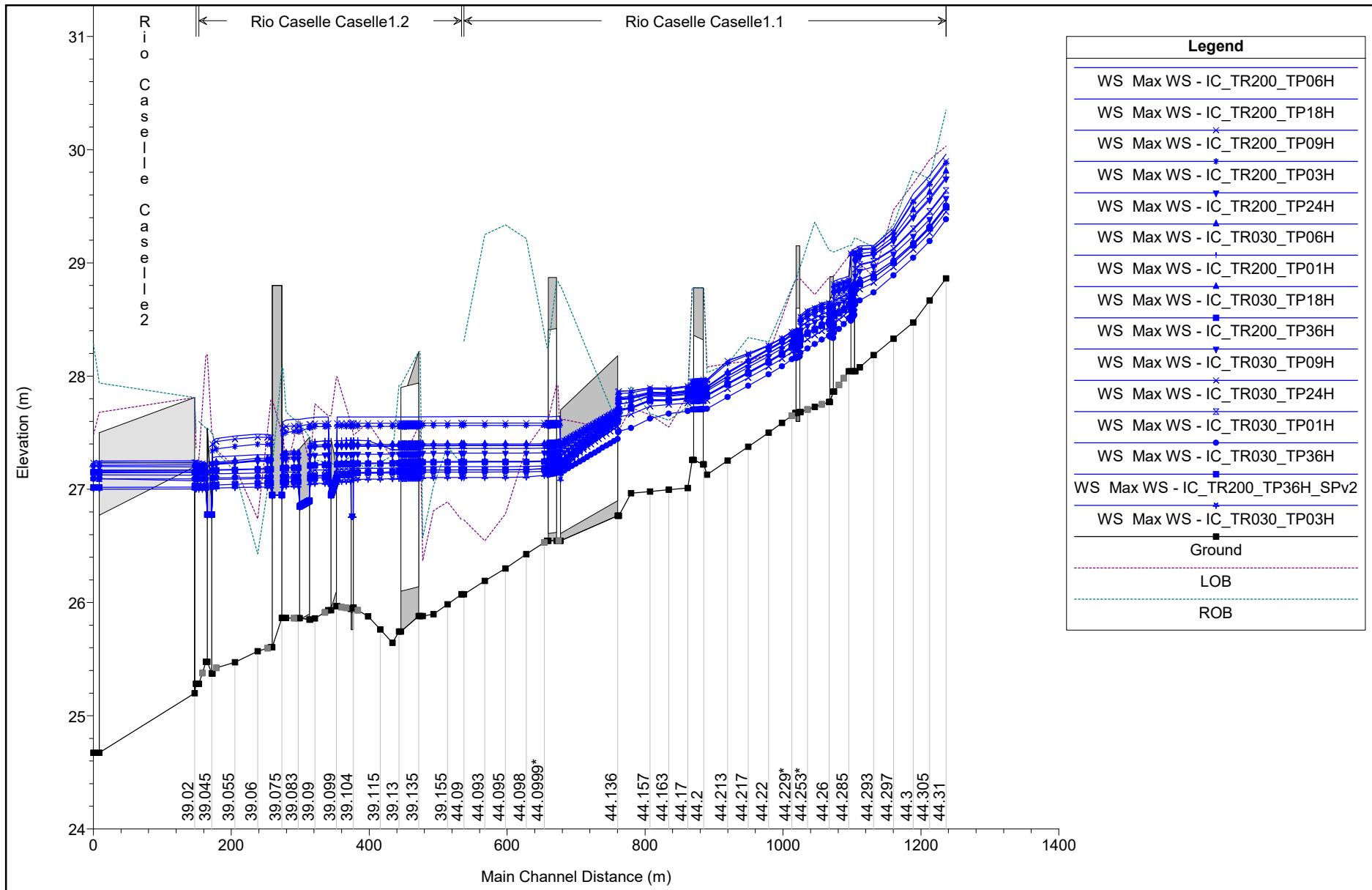
200

300

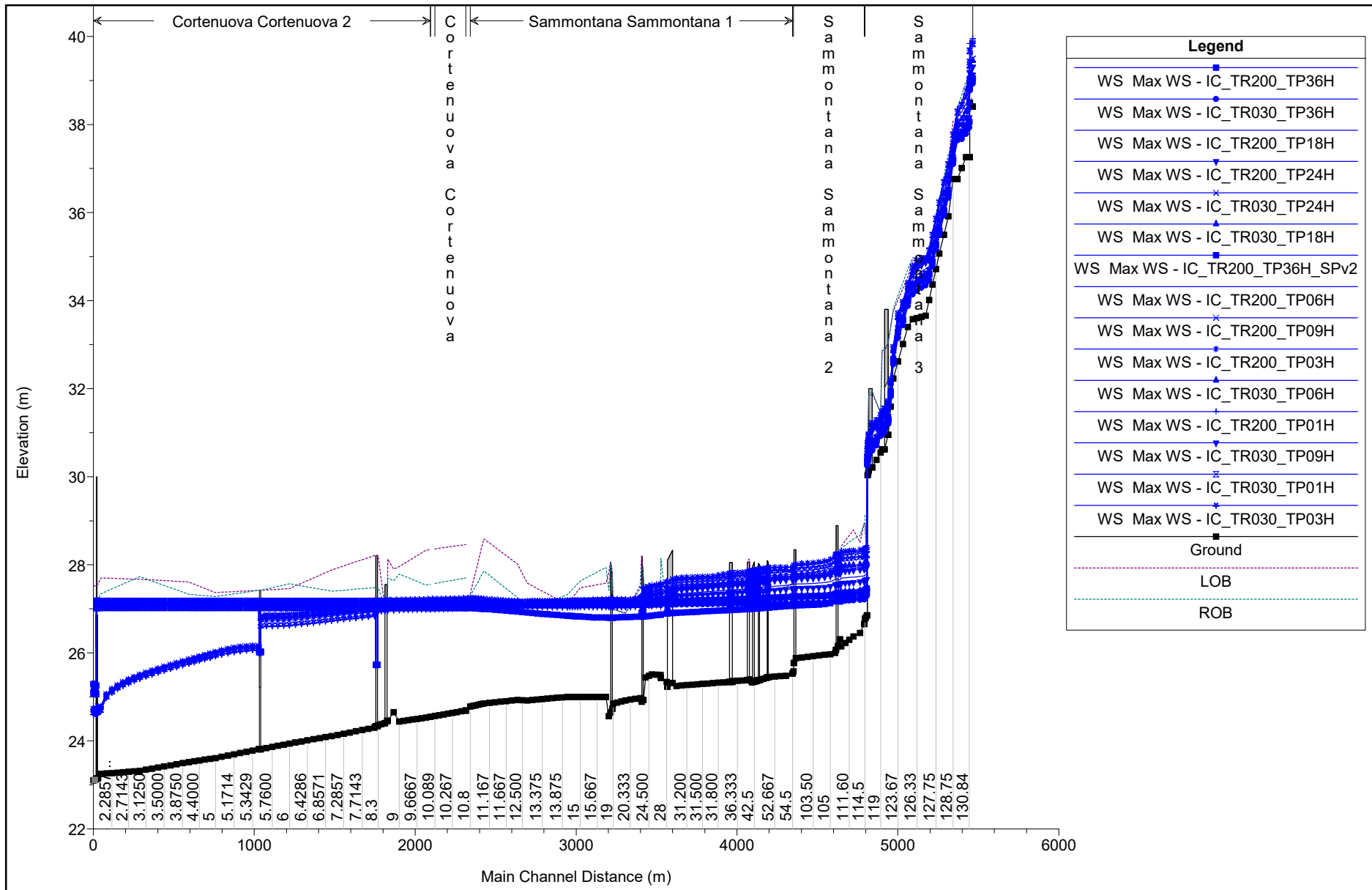
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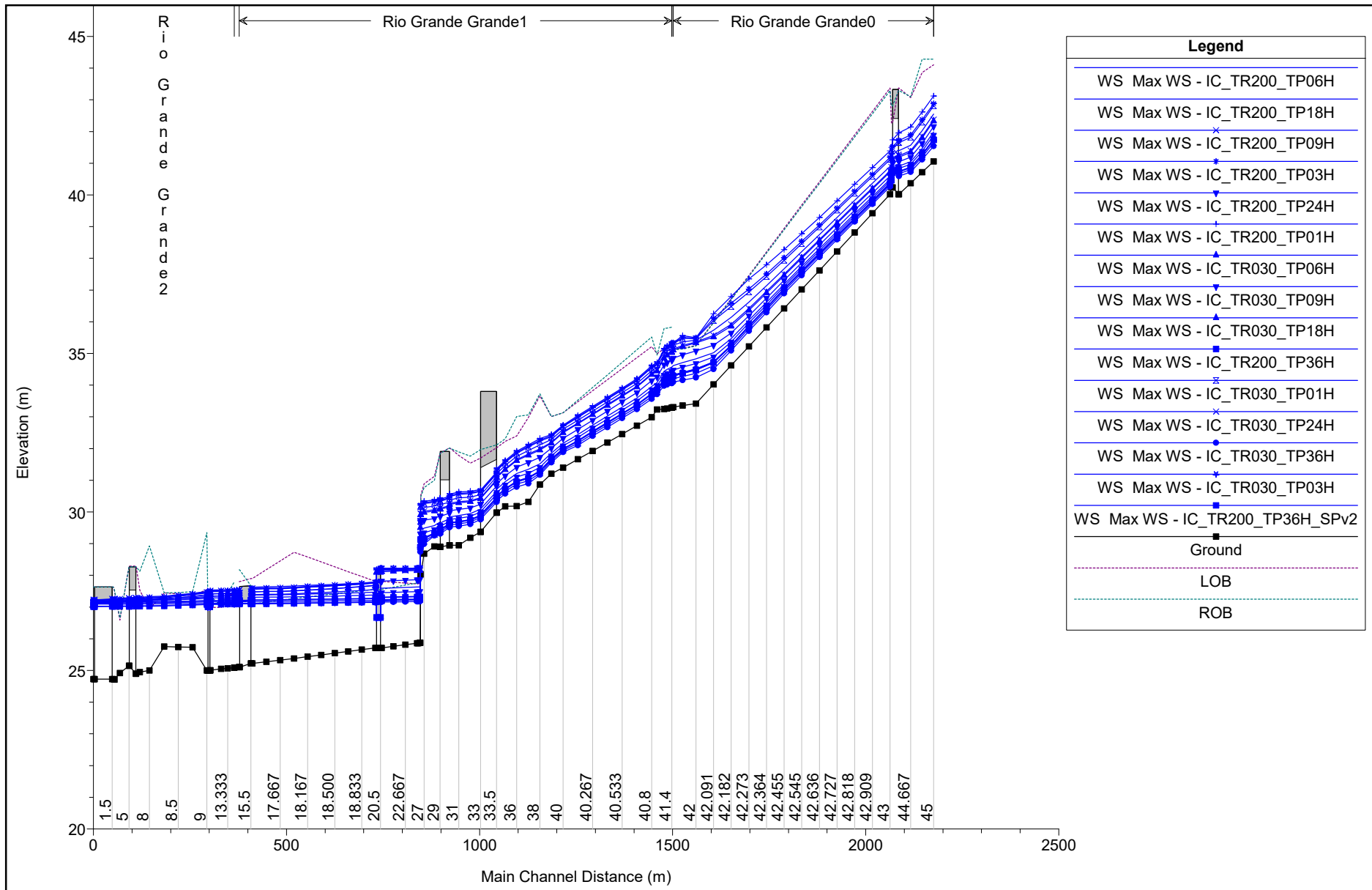


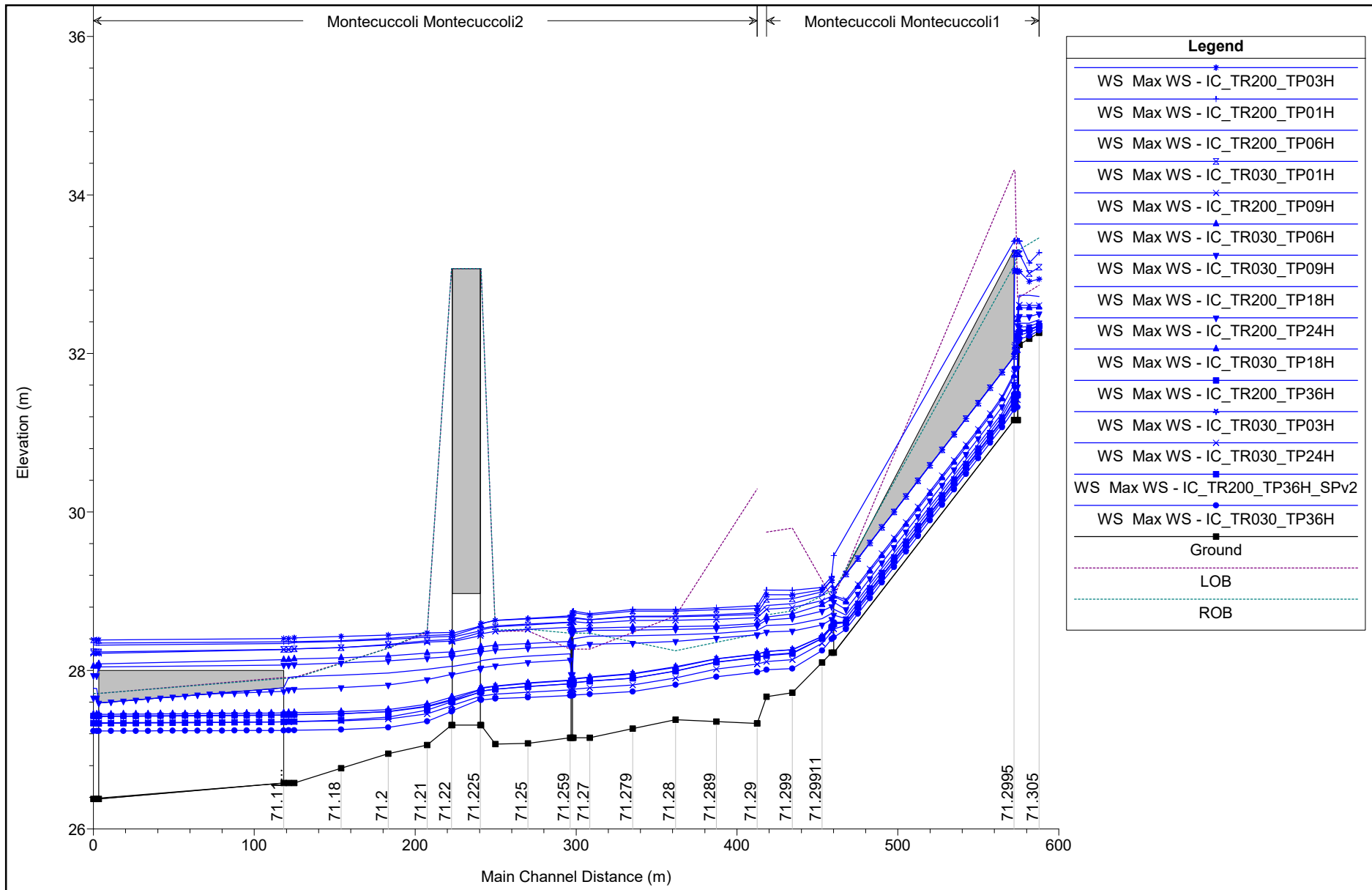


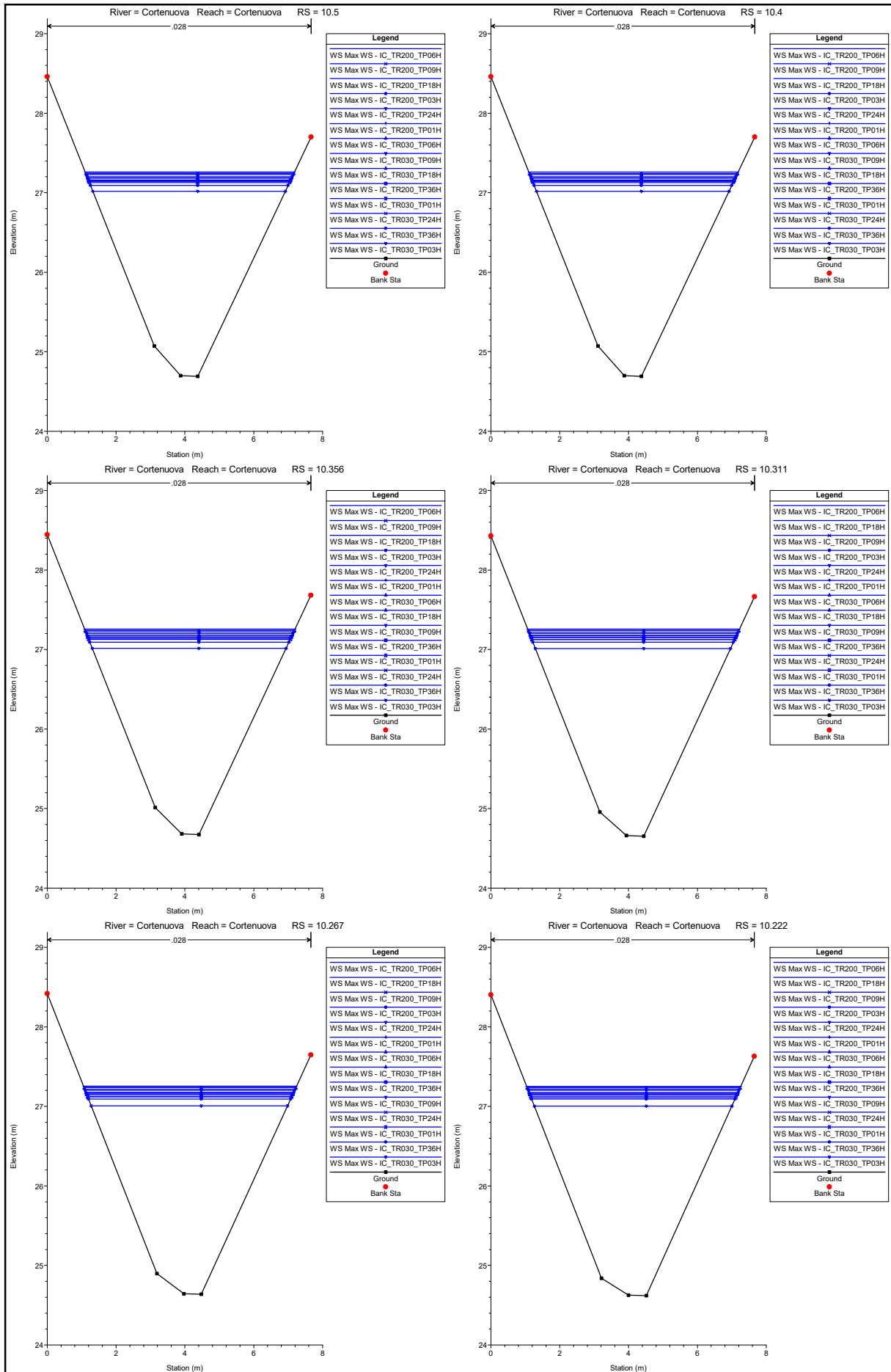
Legend	
WS Max WS - IC_TR200_TP06H	□
WS Max WS - IC_TR200_TP18H	×
WS Max WS - IC_TR200_TP09H	*
WS Max WS - IC_TR200_TP03H	▽
WS Max WS - IC_TR200_TP24H	▲
WS Max WS - IC_TR030_TP06H	+
WS Max WS - IC_TR200_TP01H	◇
WS Max WS - IC_TR030_TP18H	▽
WS Max WS - IC_TR200_TP36H	■
WS Max WS - IC_TR030_TP09H	×
WS Max WS - IC_TR030_TP24H	*
WS Max WS - IC_TR030_TP01H	●
WS Max WS - IC_TR030_TP36H	■
WS Max WS - IC_TR200_TP36H_SPv2	◇
WS Max WS - IC_TR030_TP03H	■
Ground	—
LOB	- - -
ROB	- · - · -

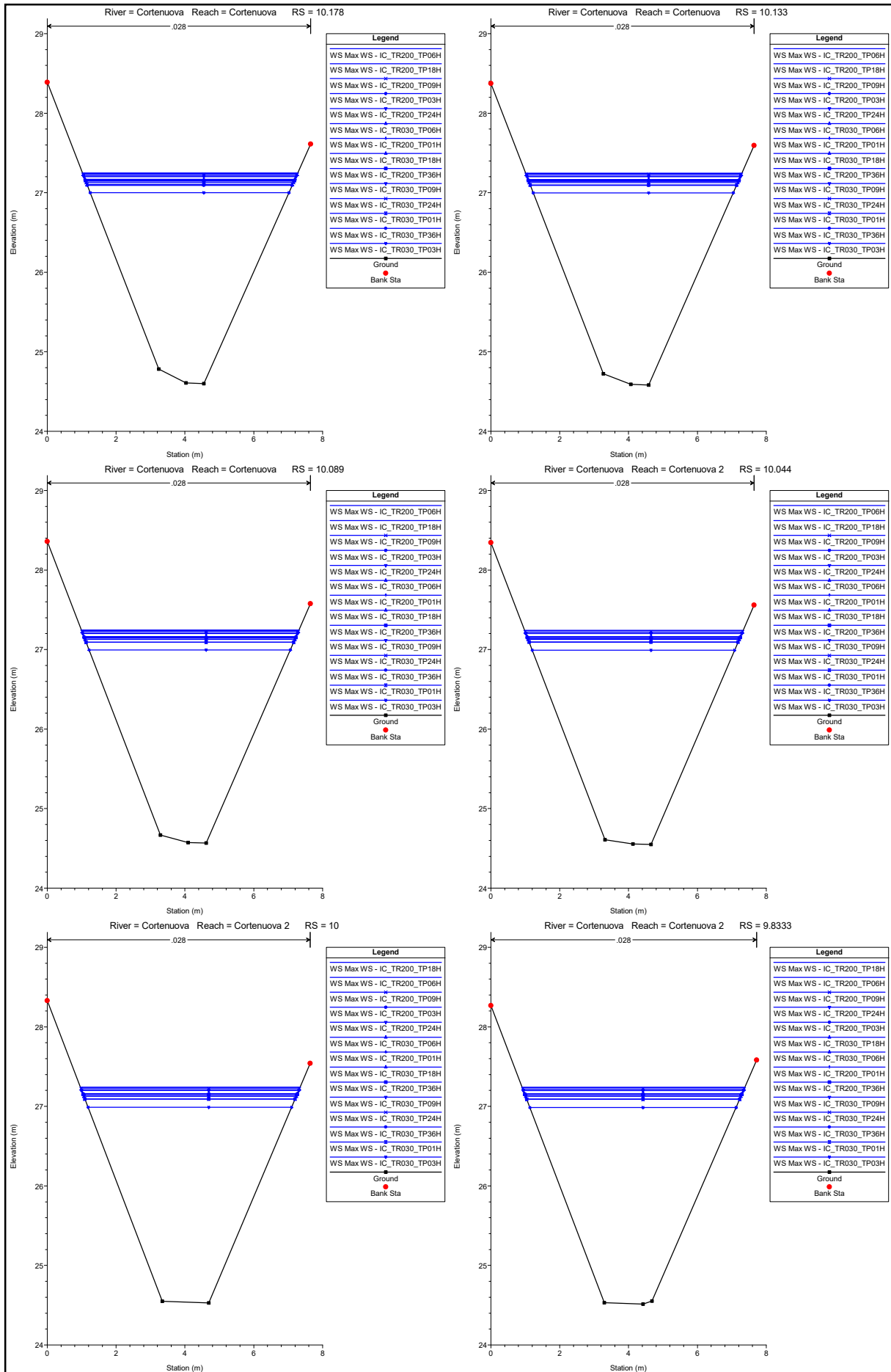


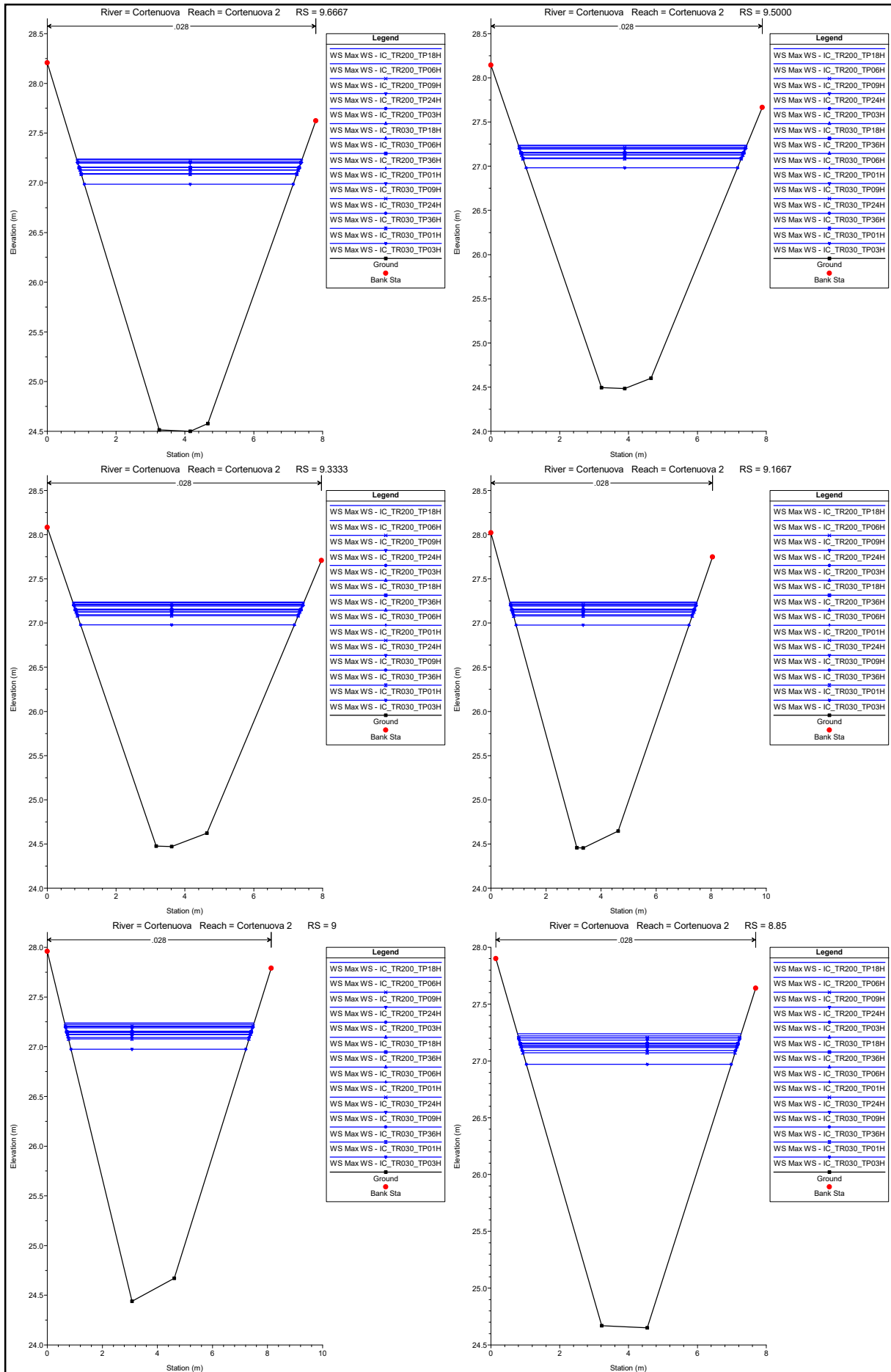


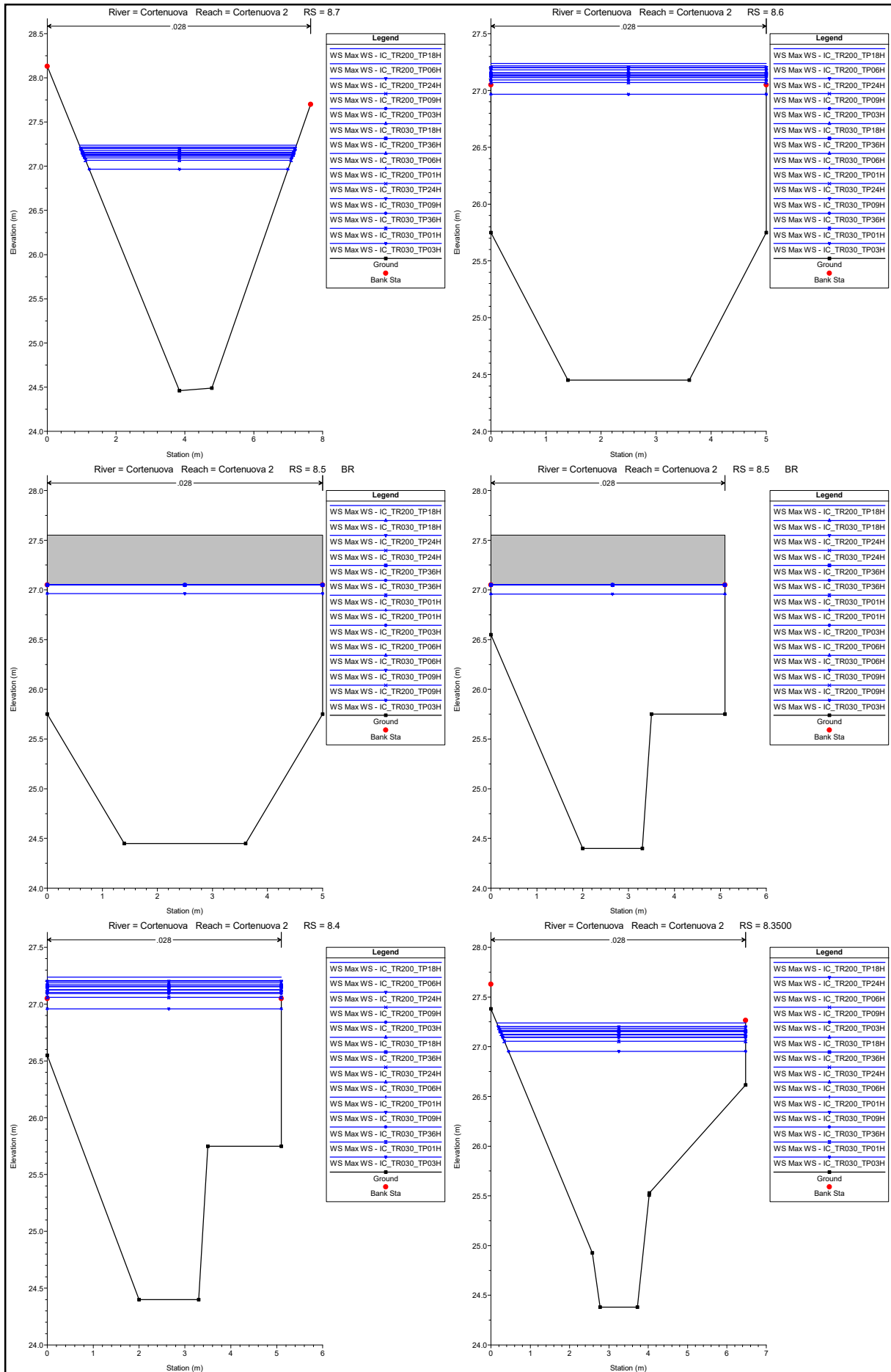


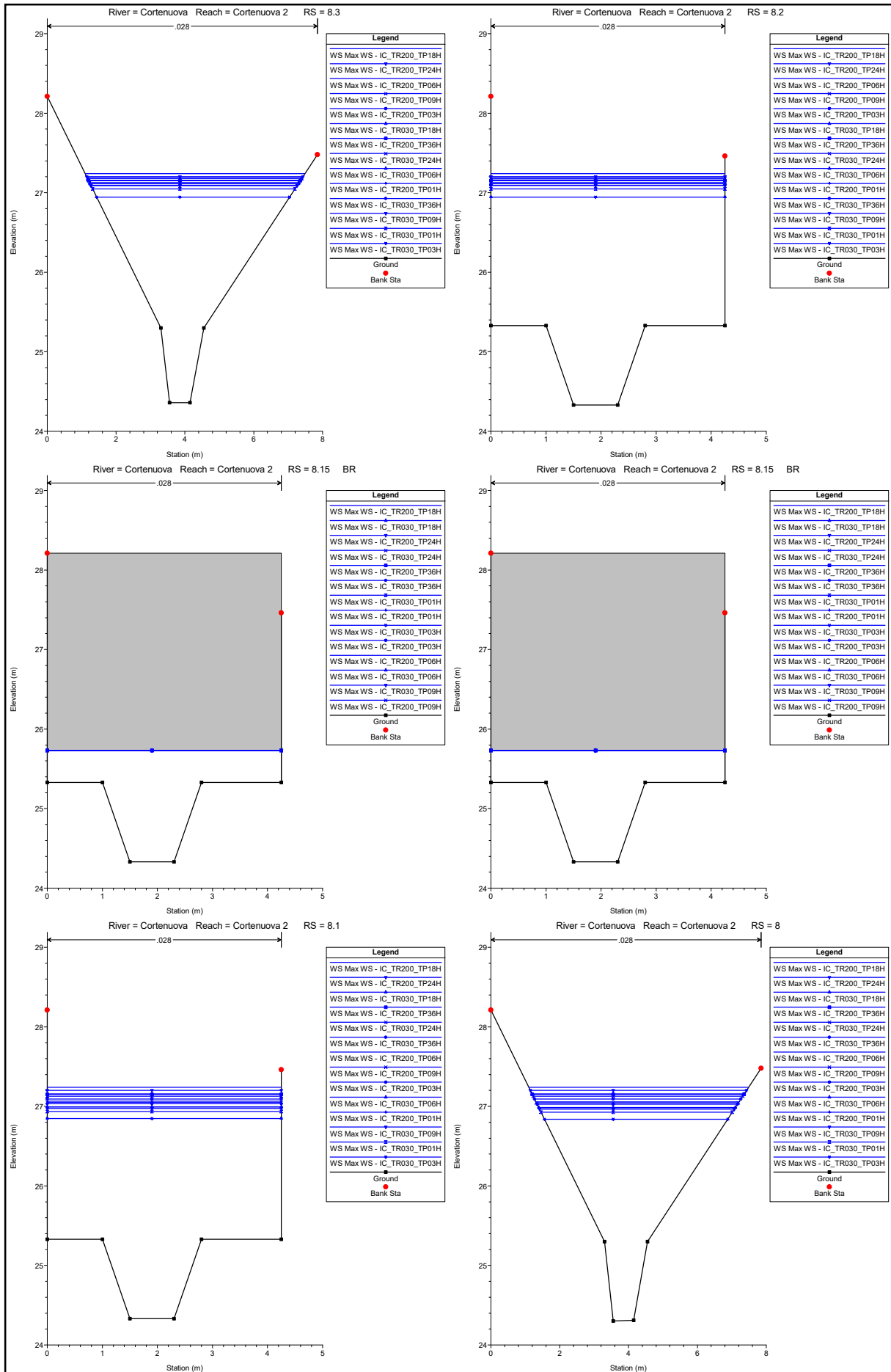


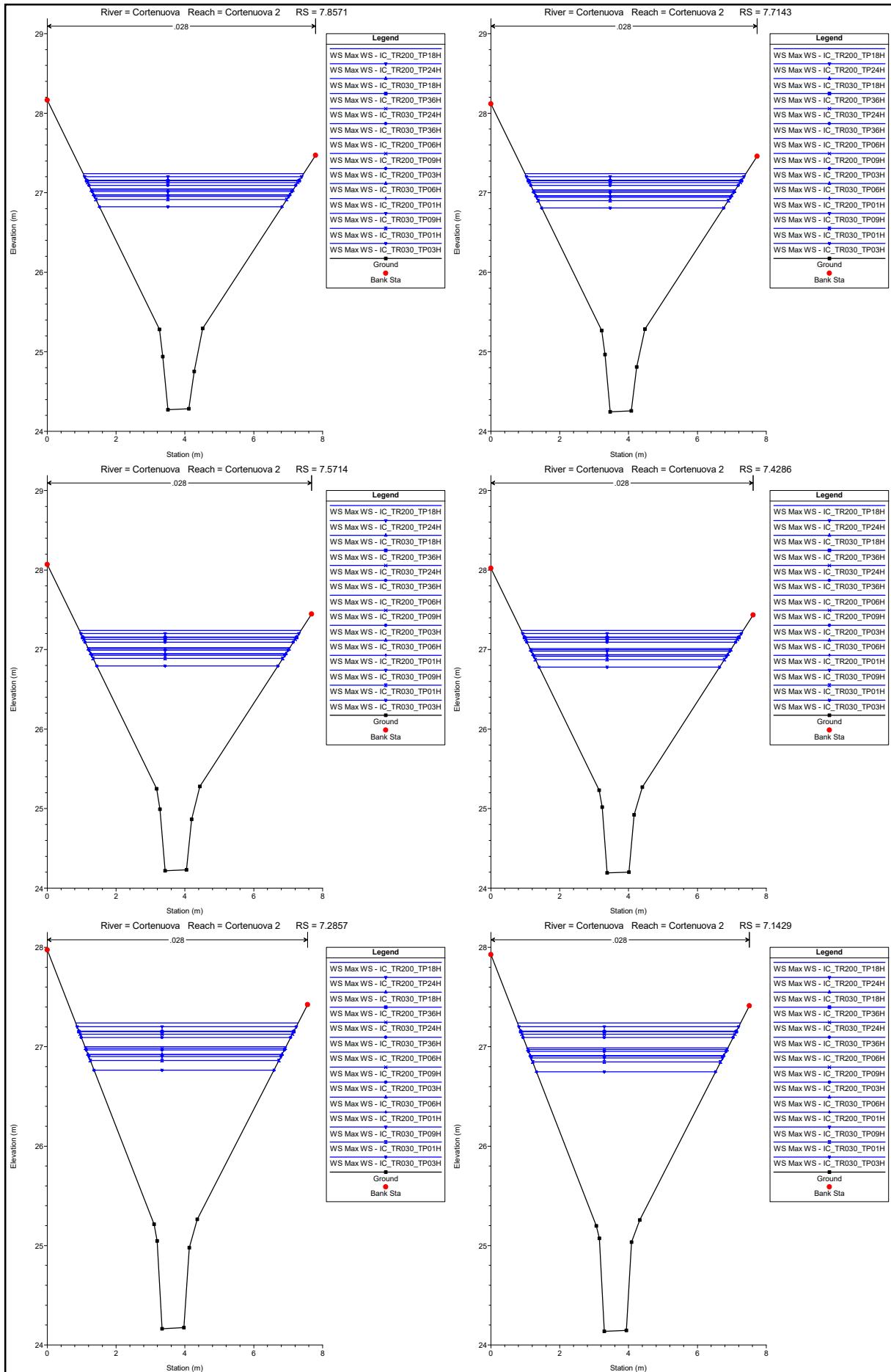




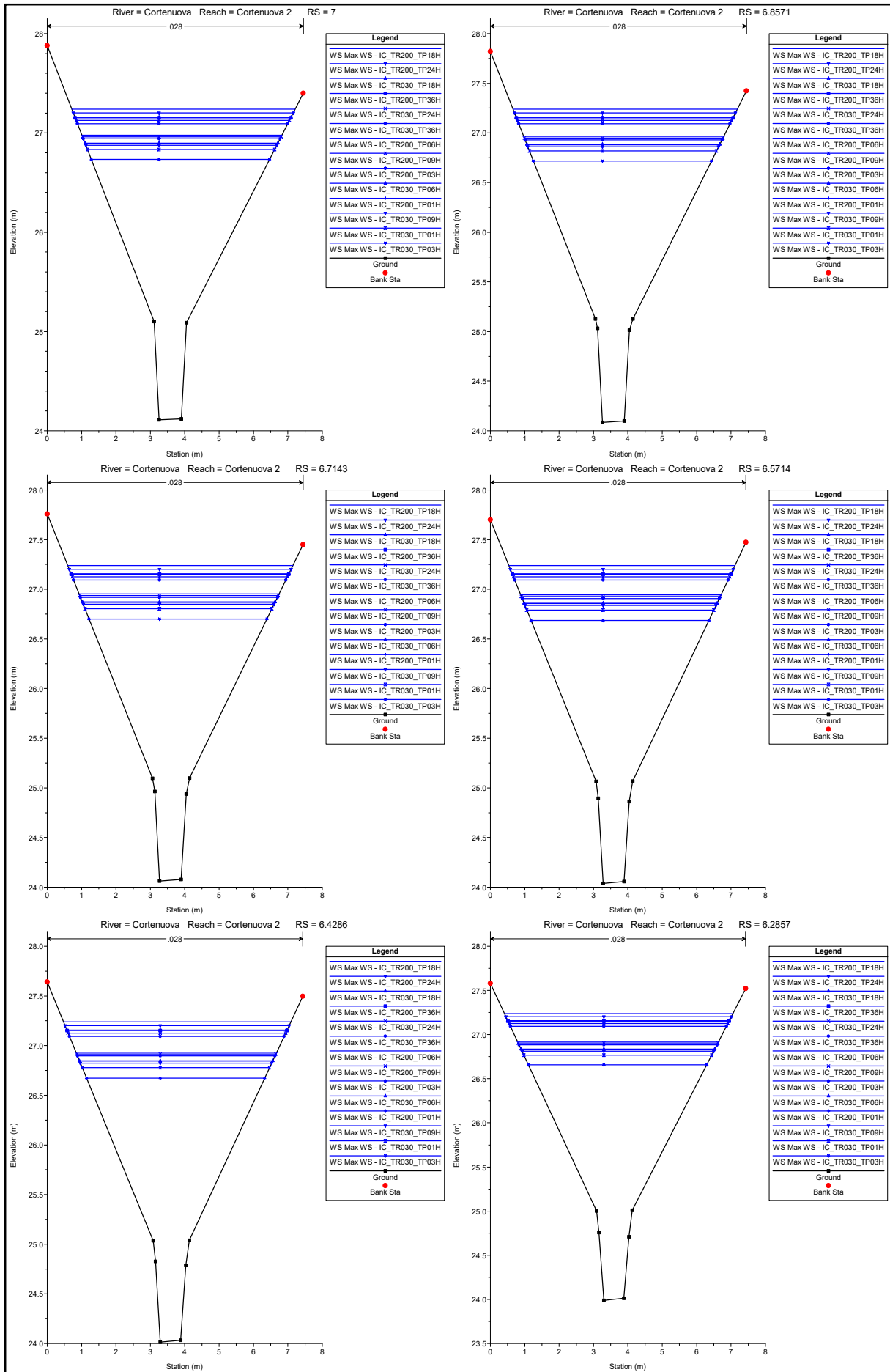


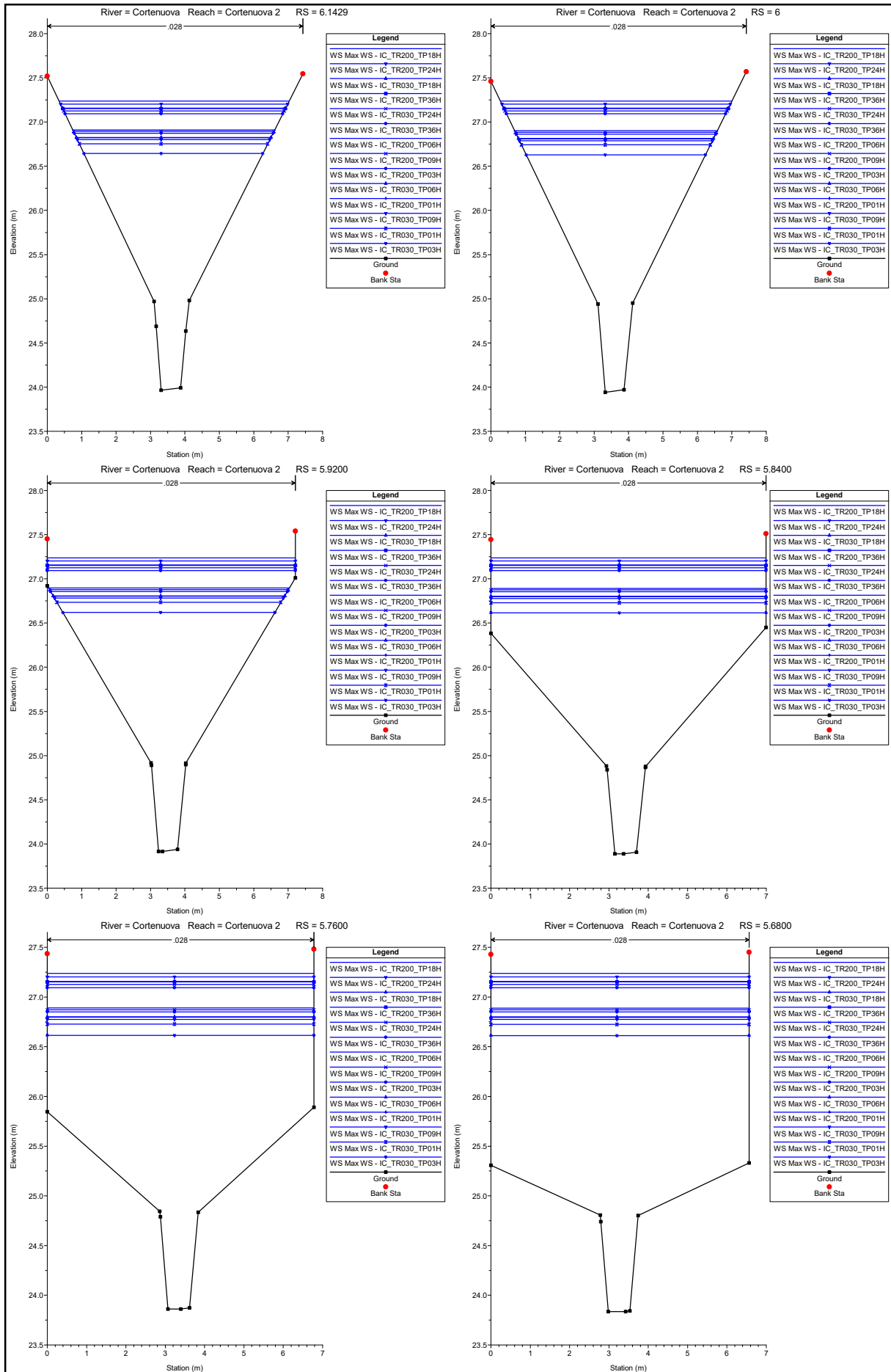


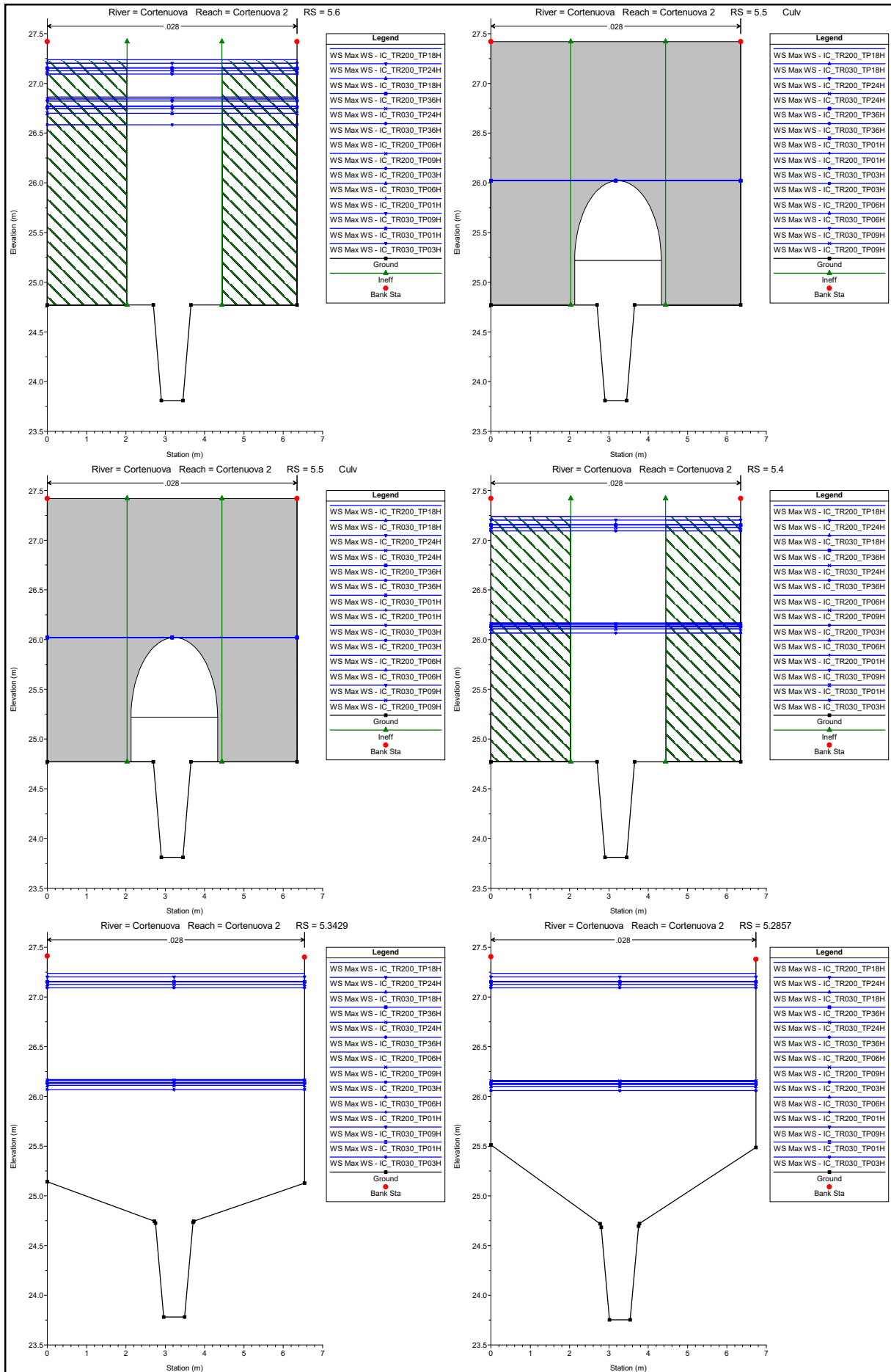


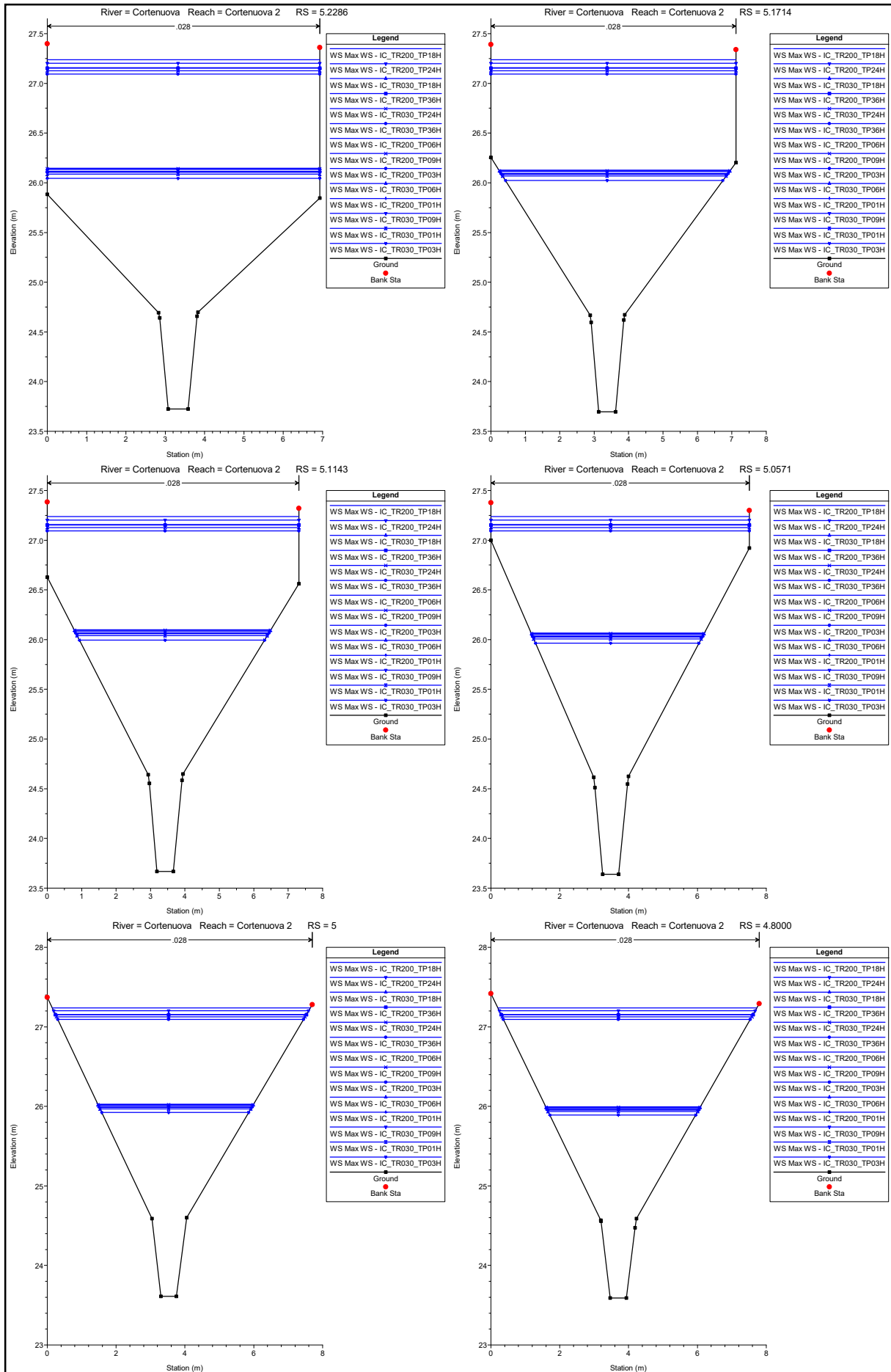


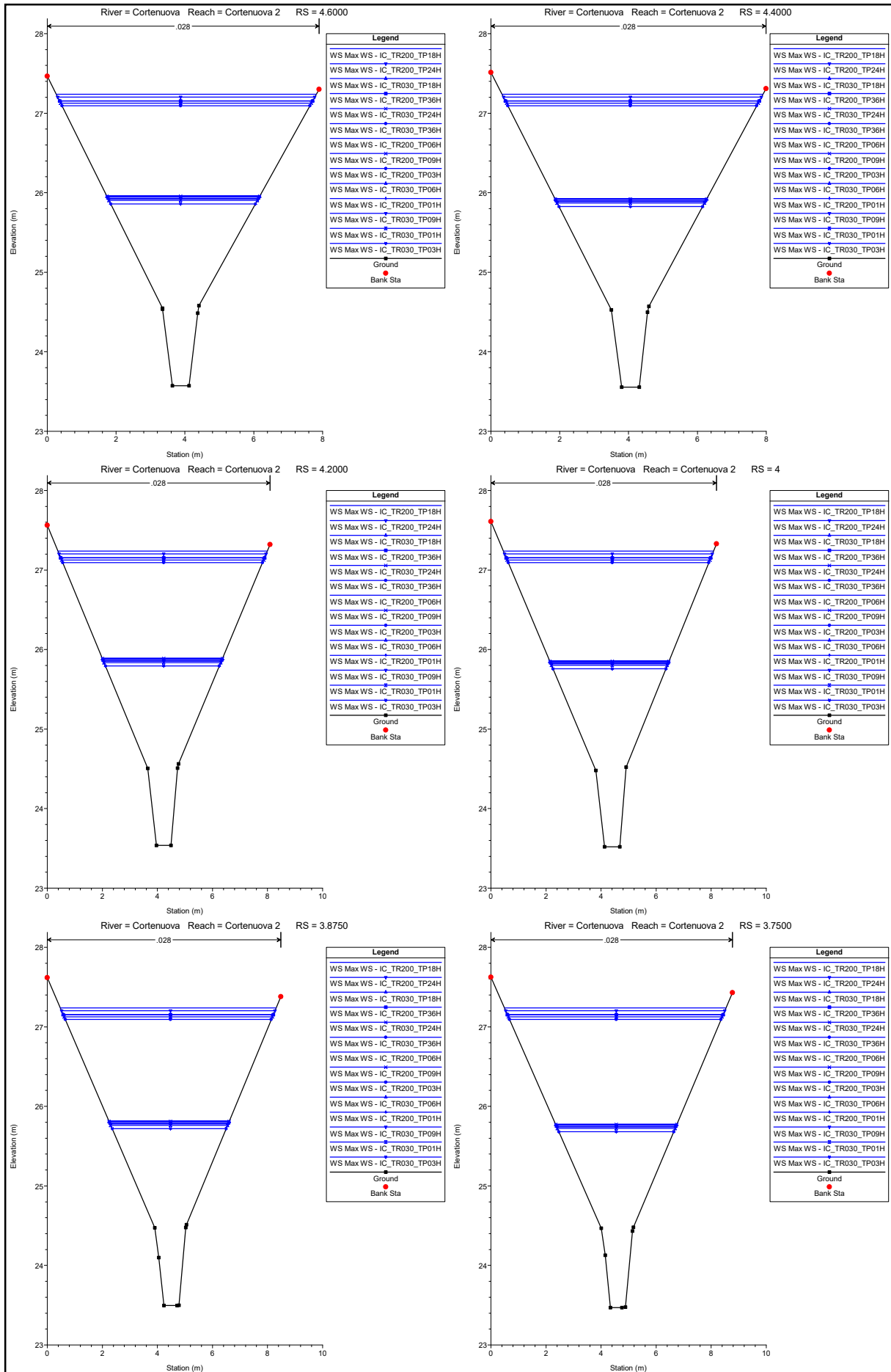


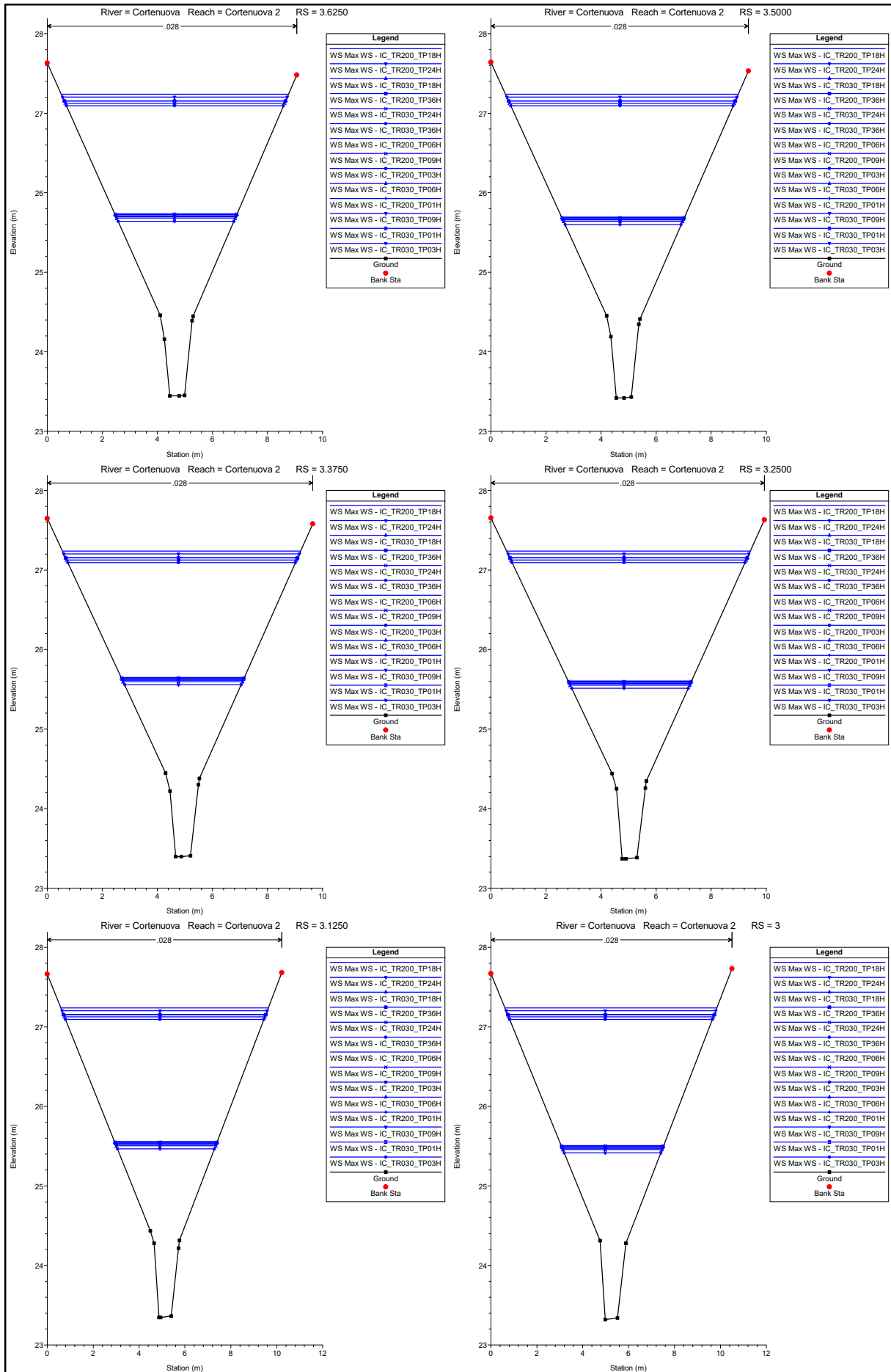


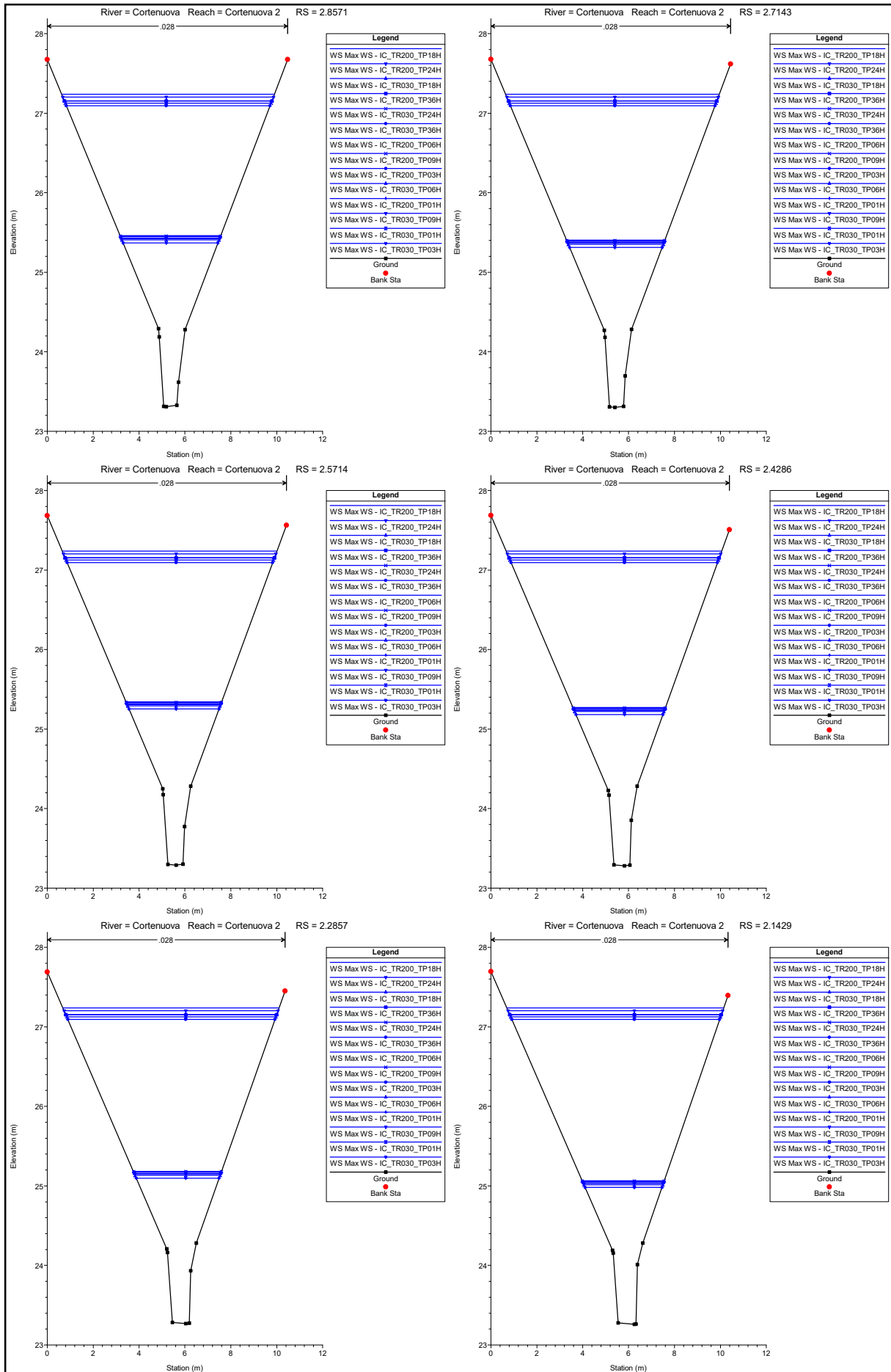






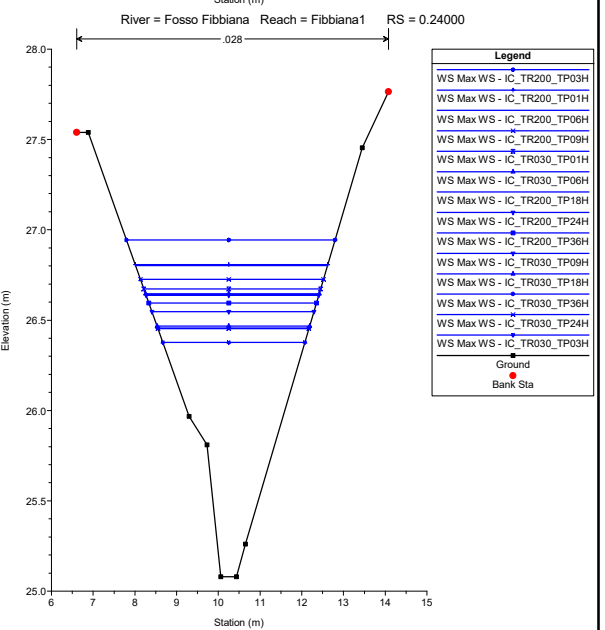
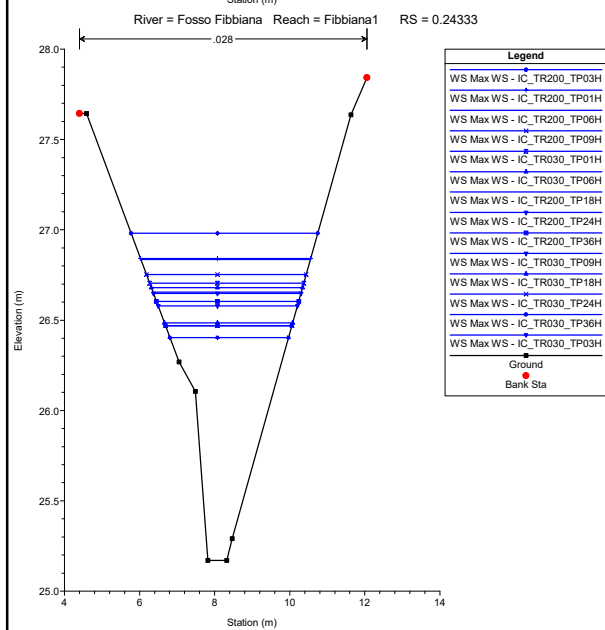
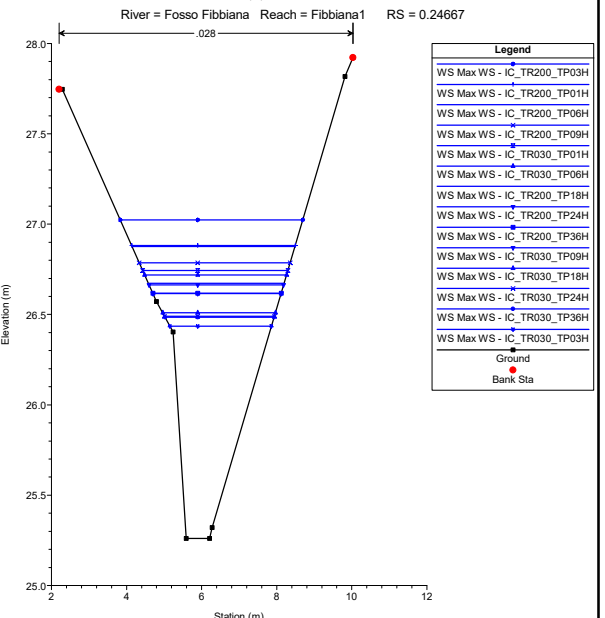
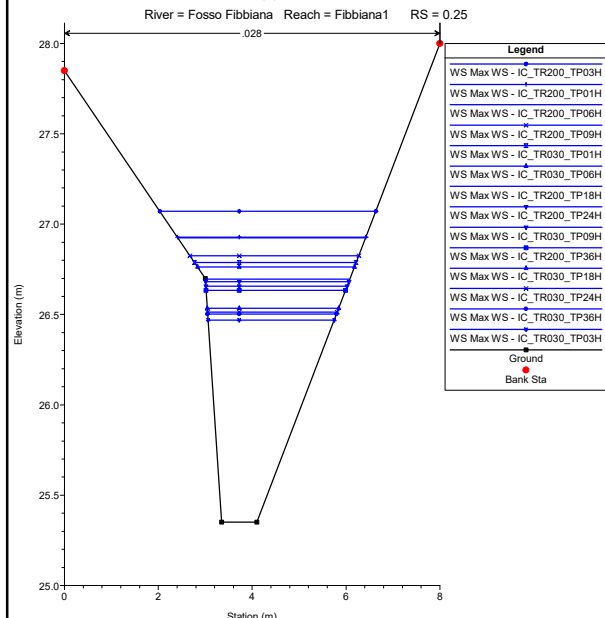
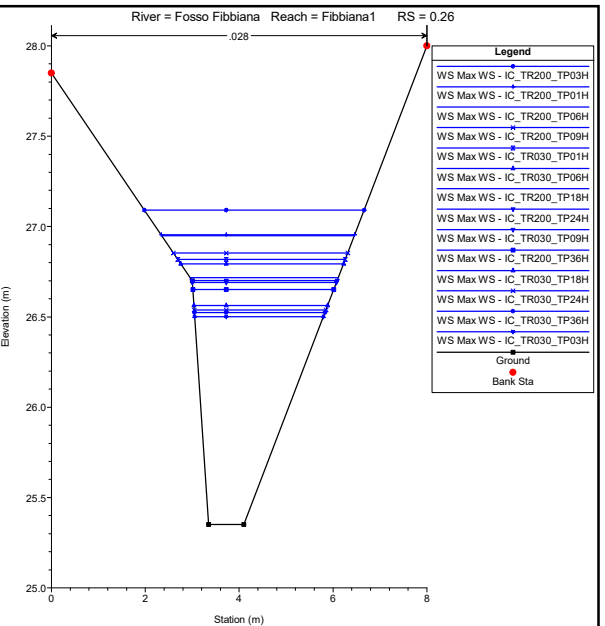
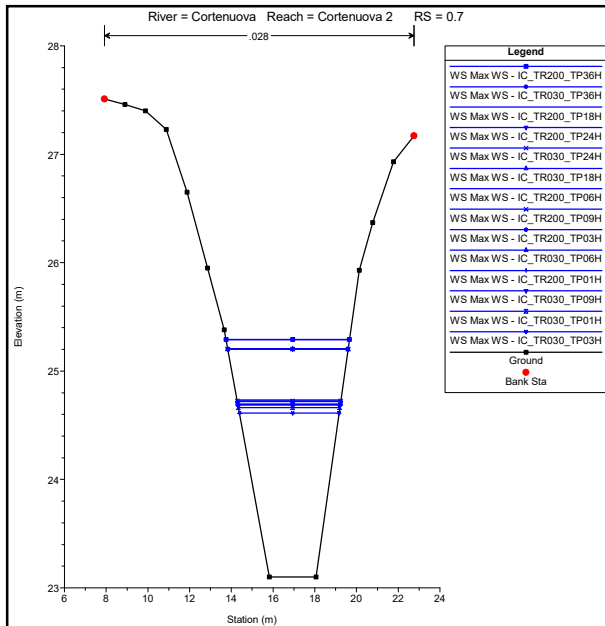


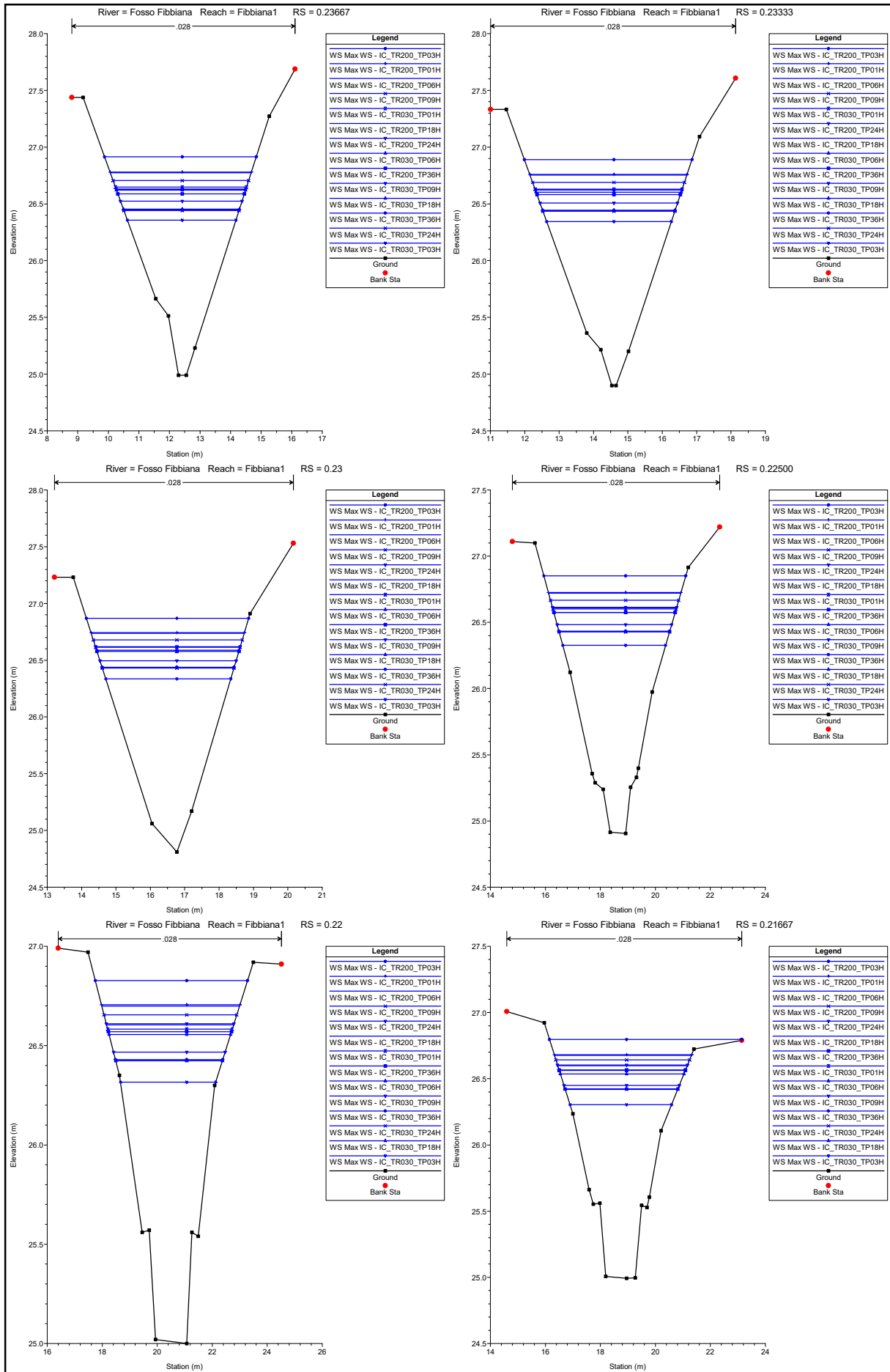


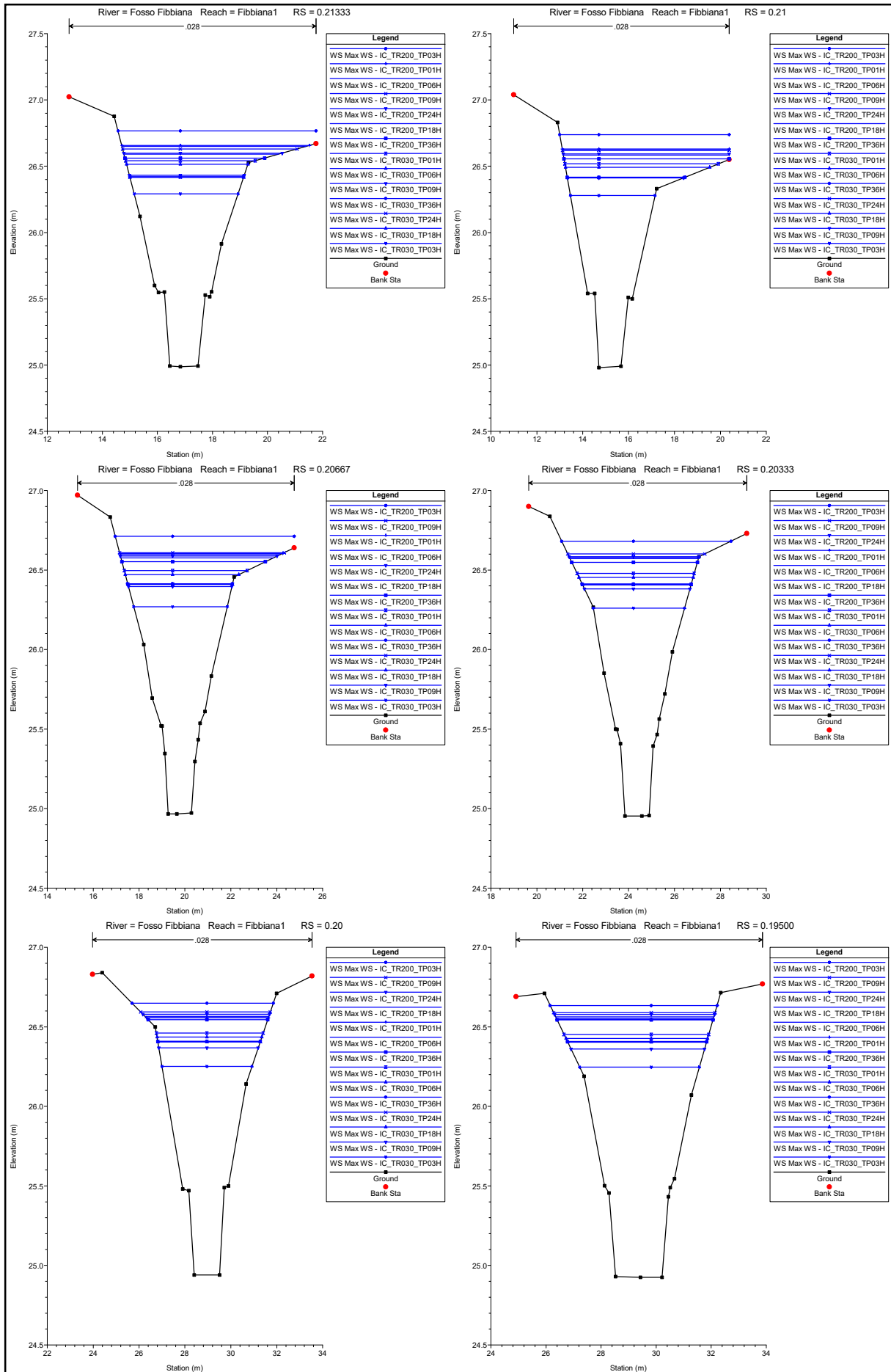




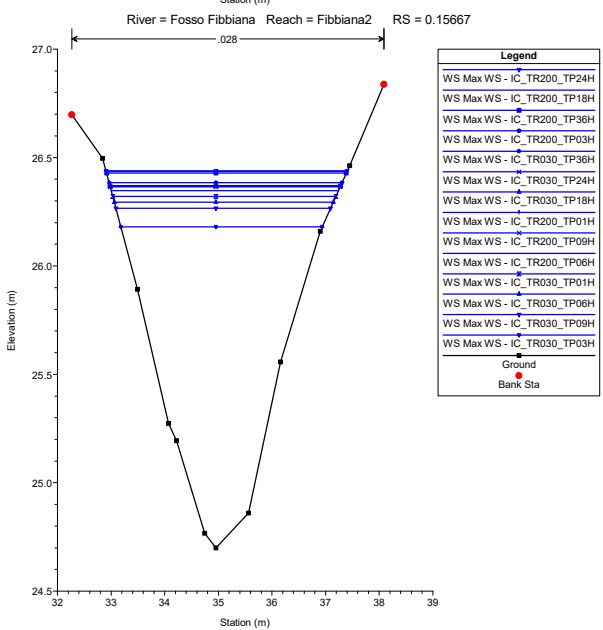
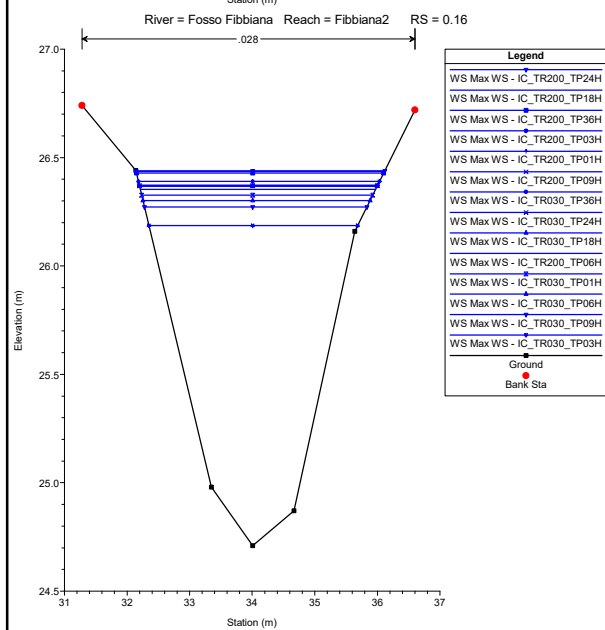
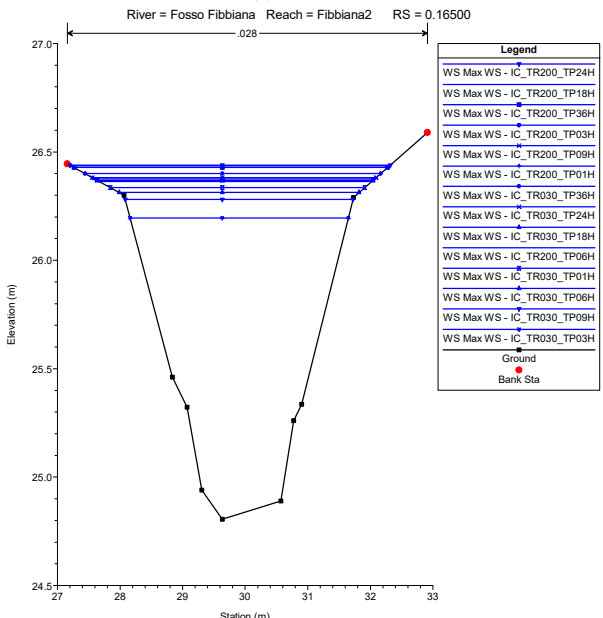
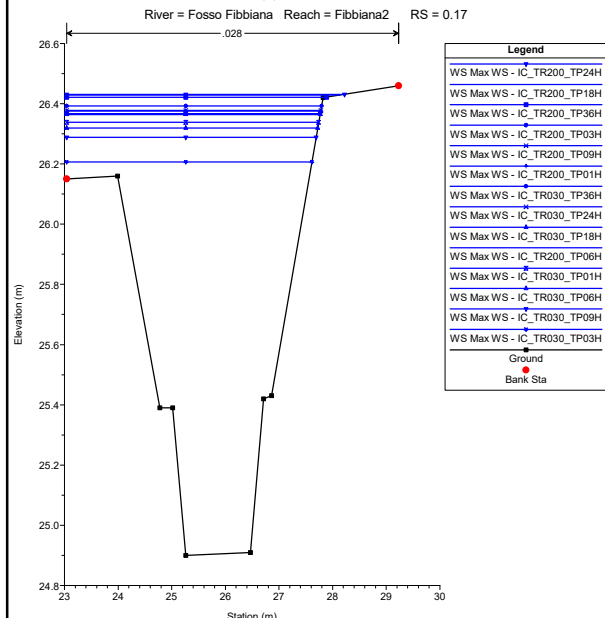
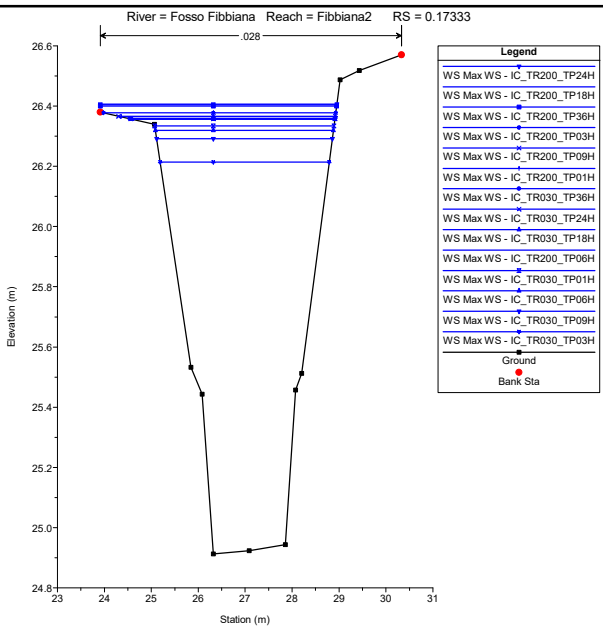
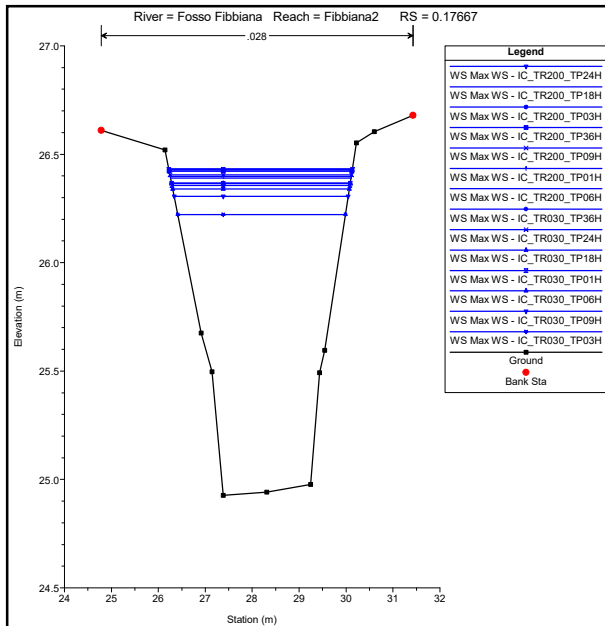




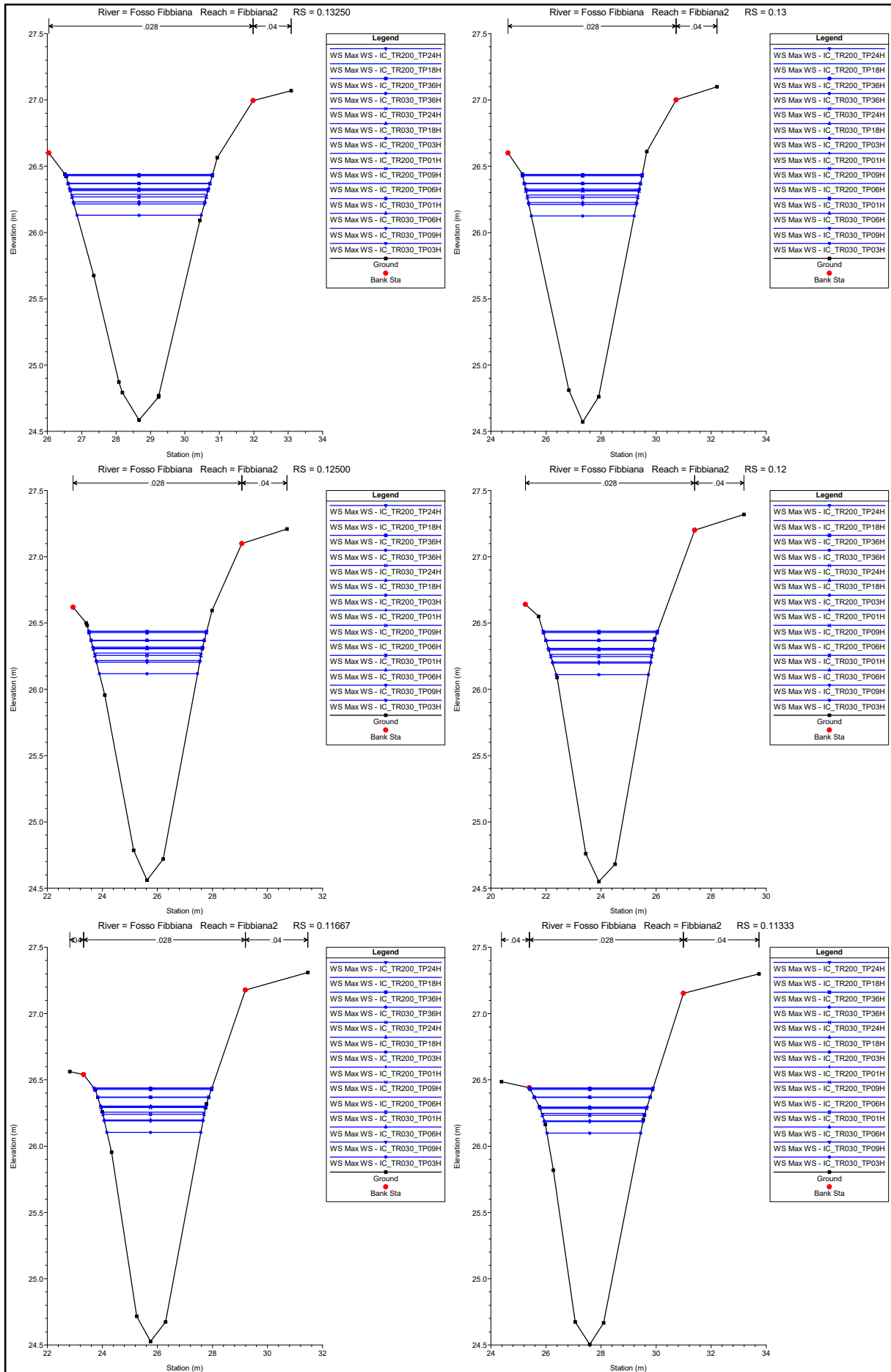


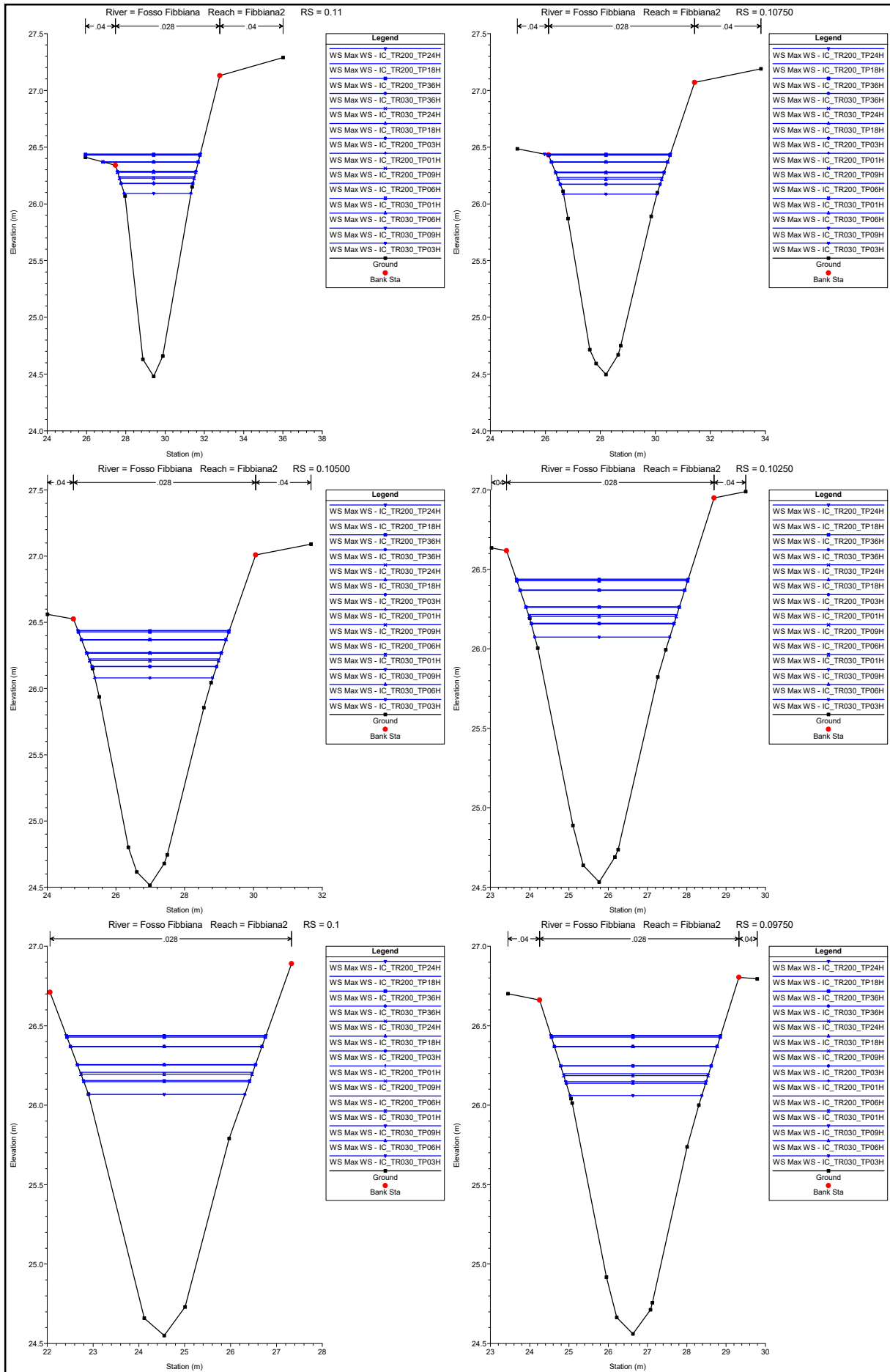








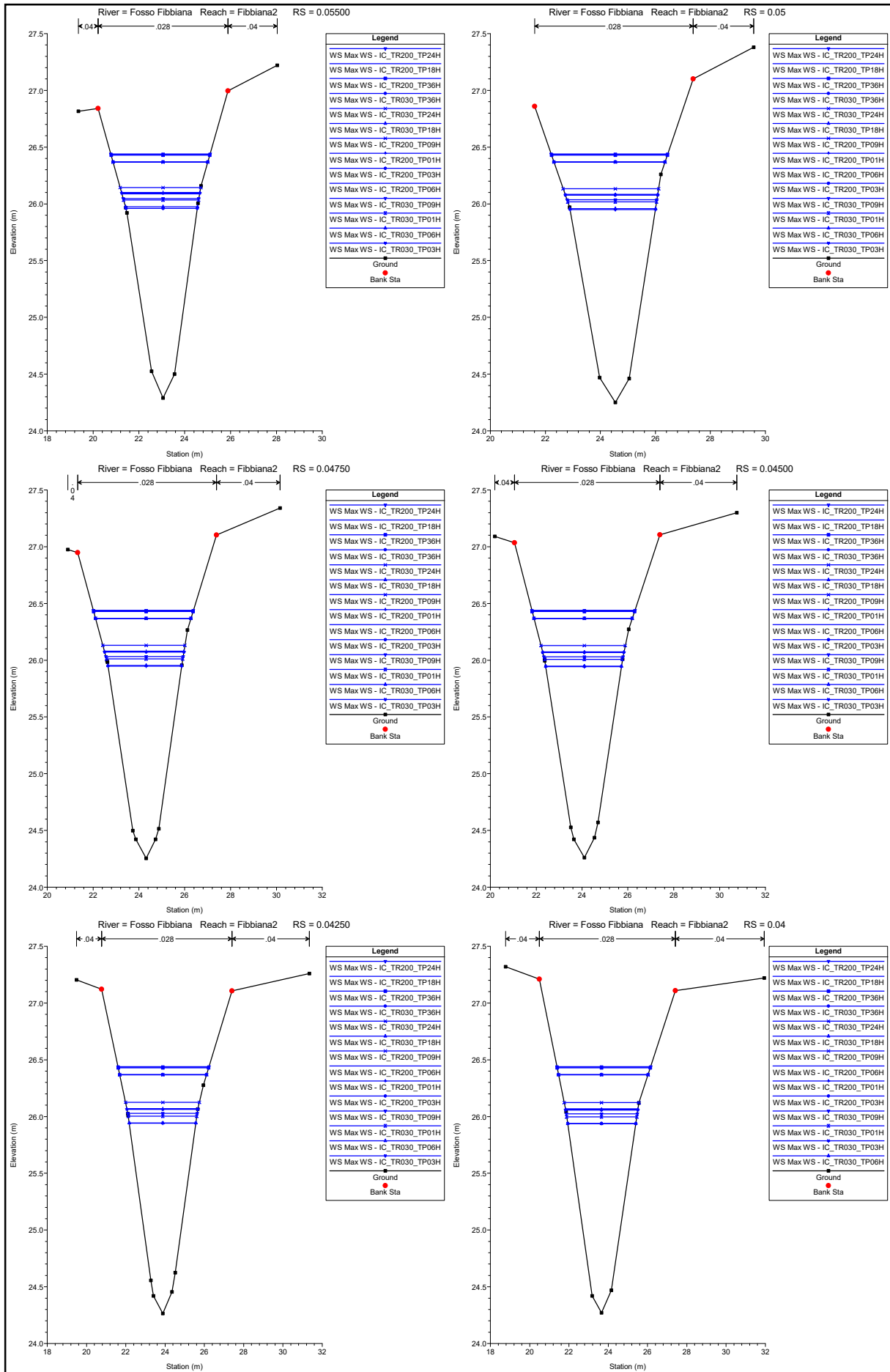






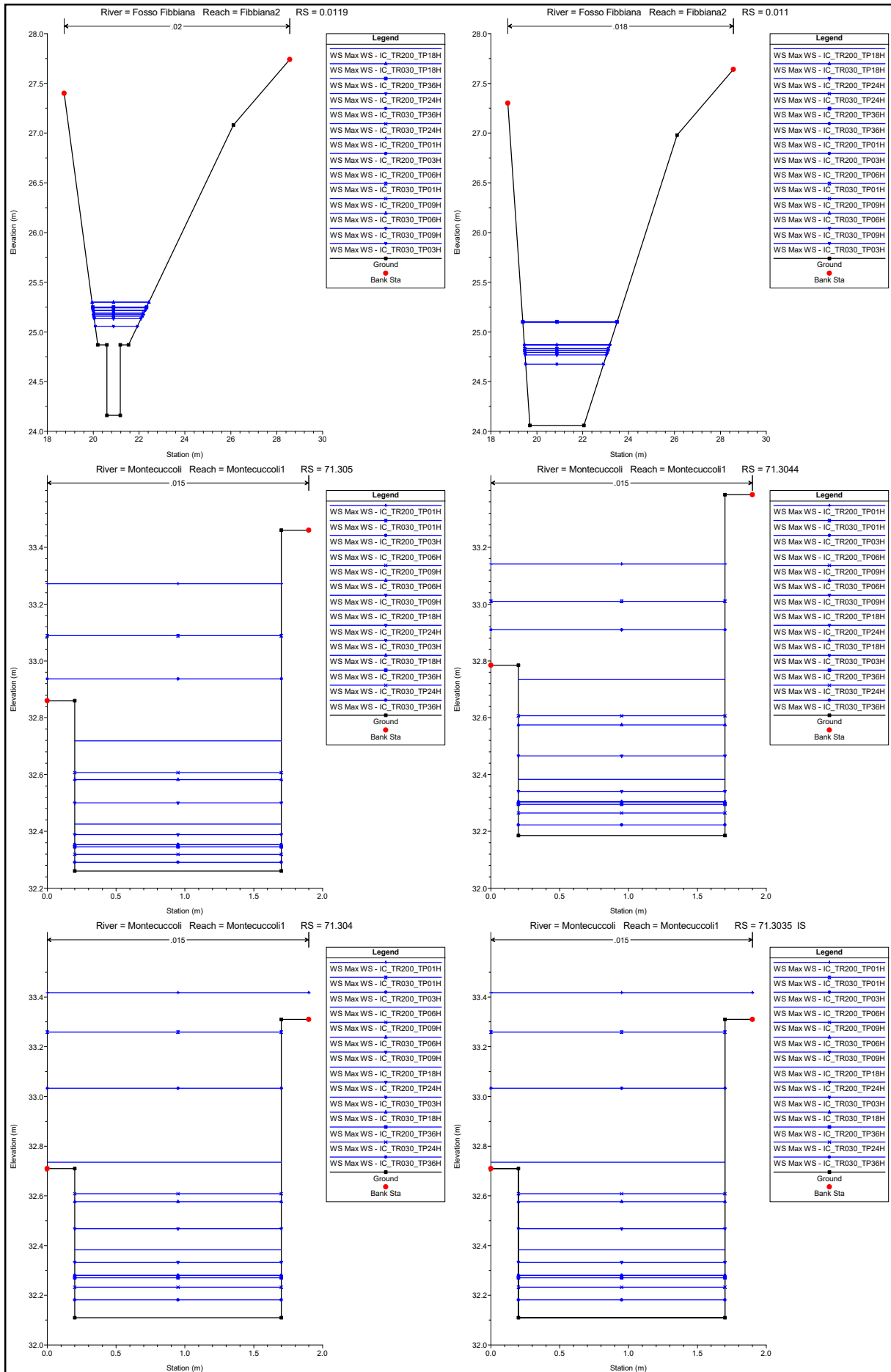




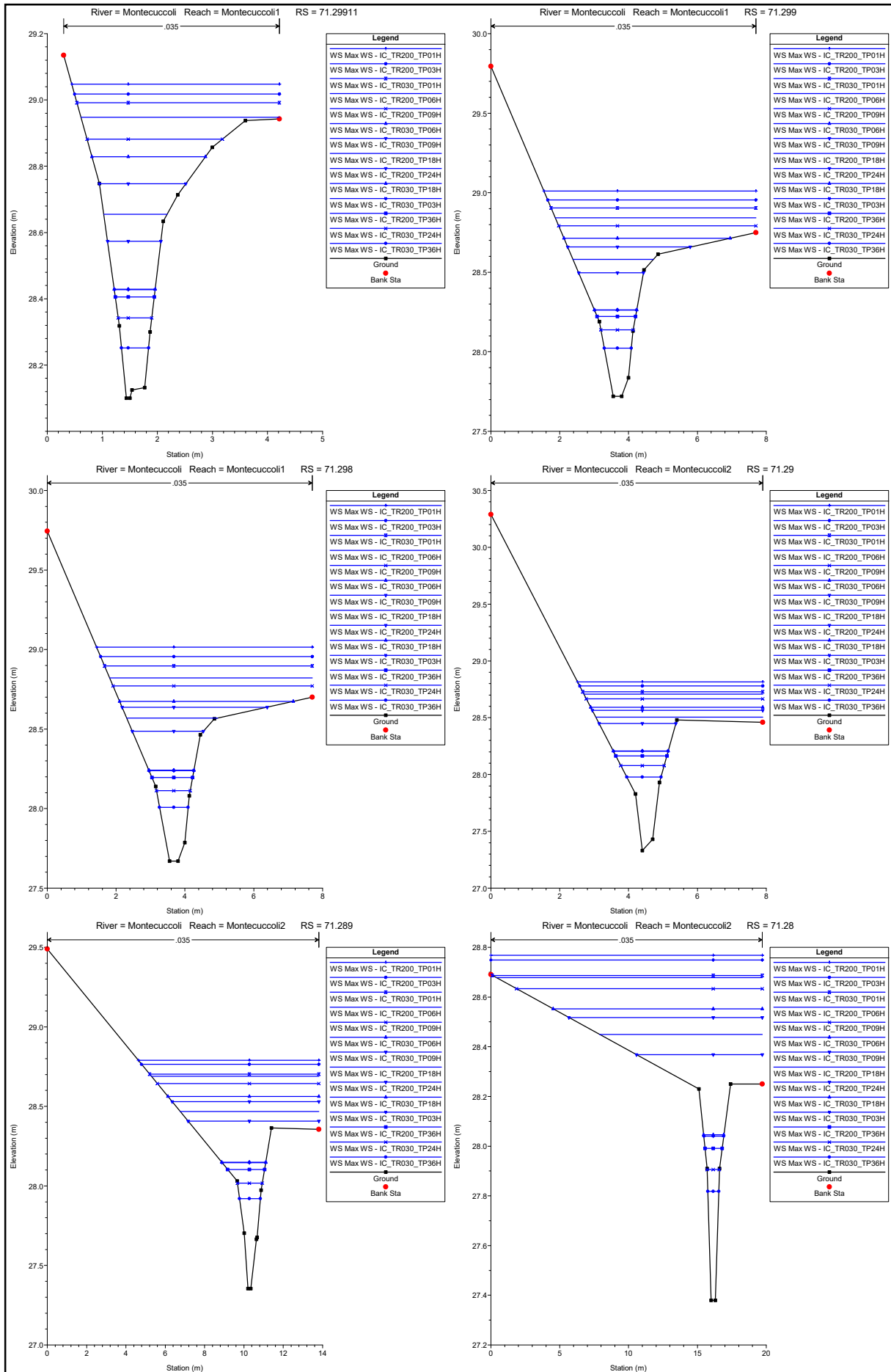




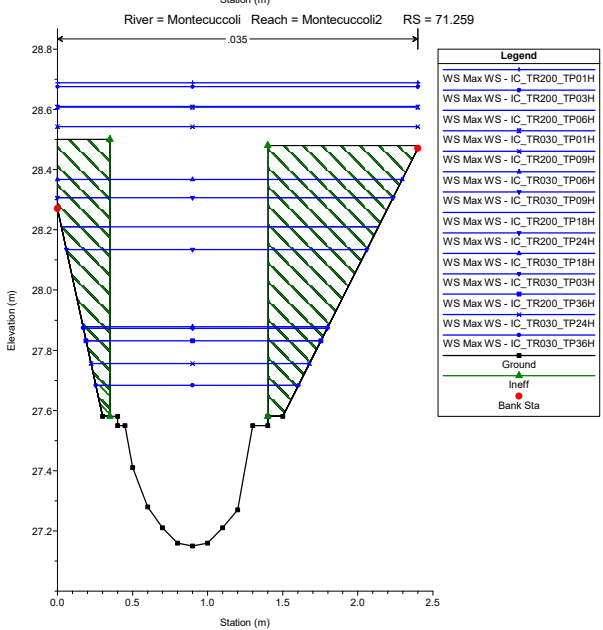
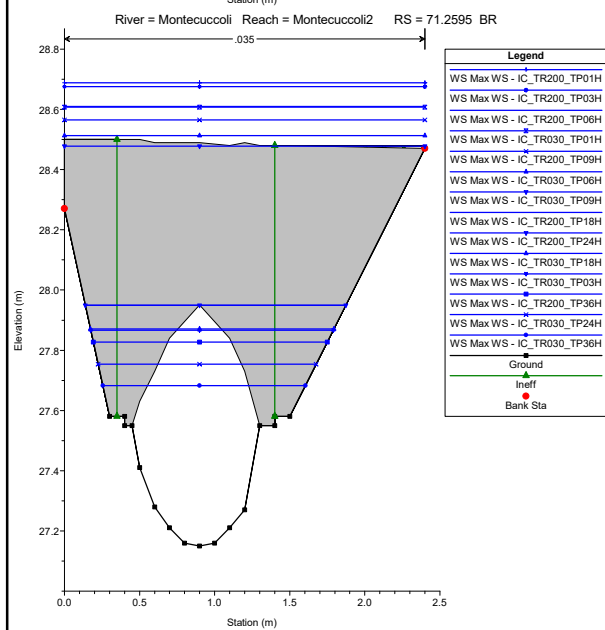
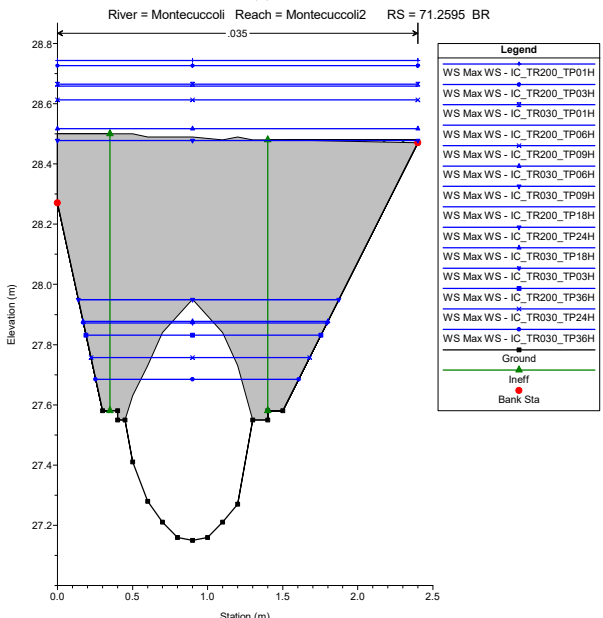
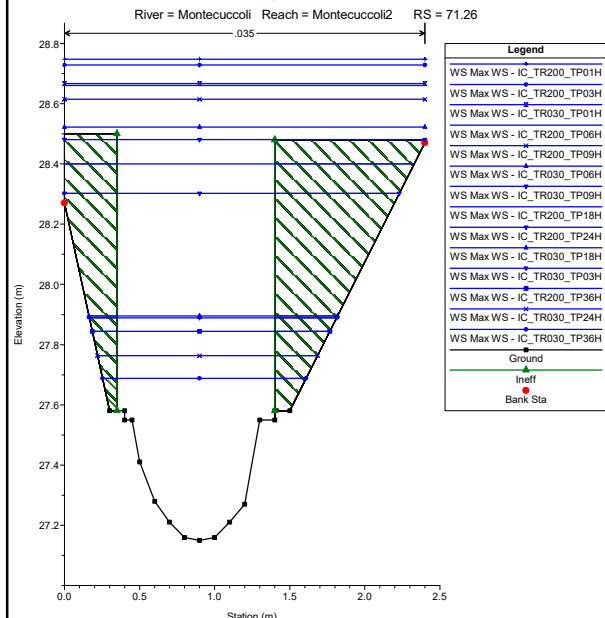
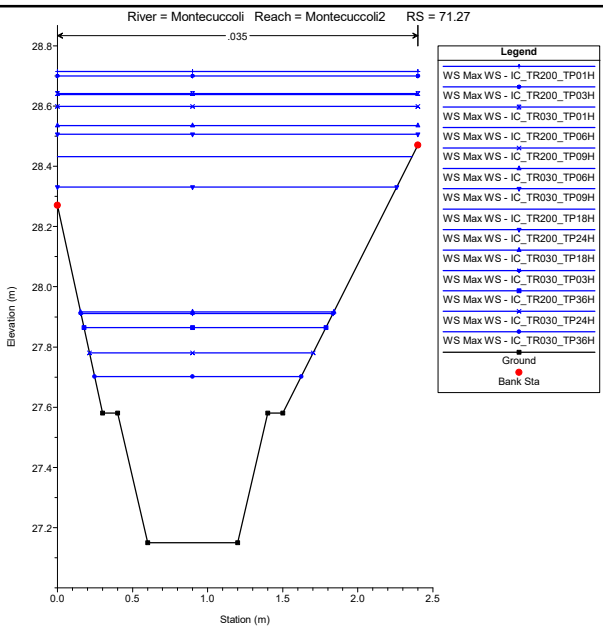
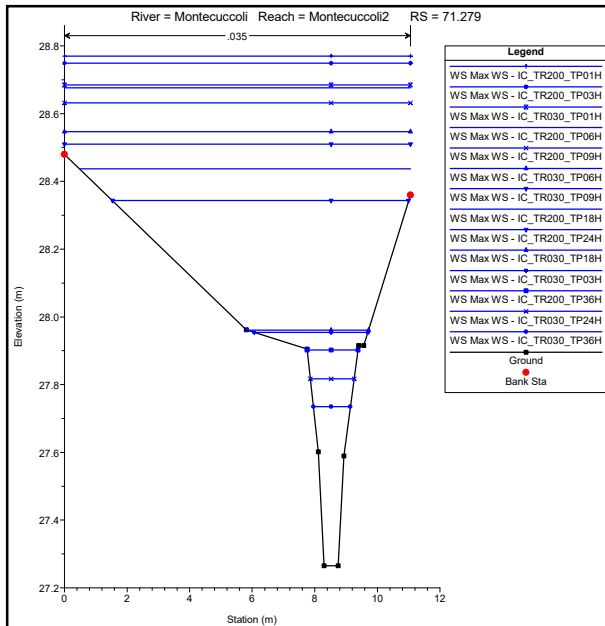


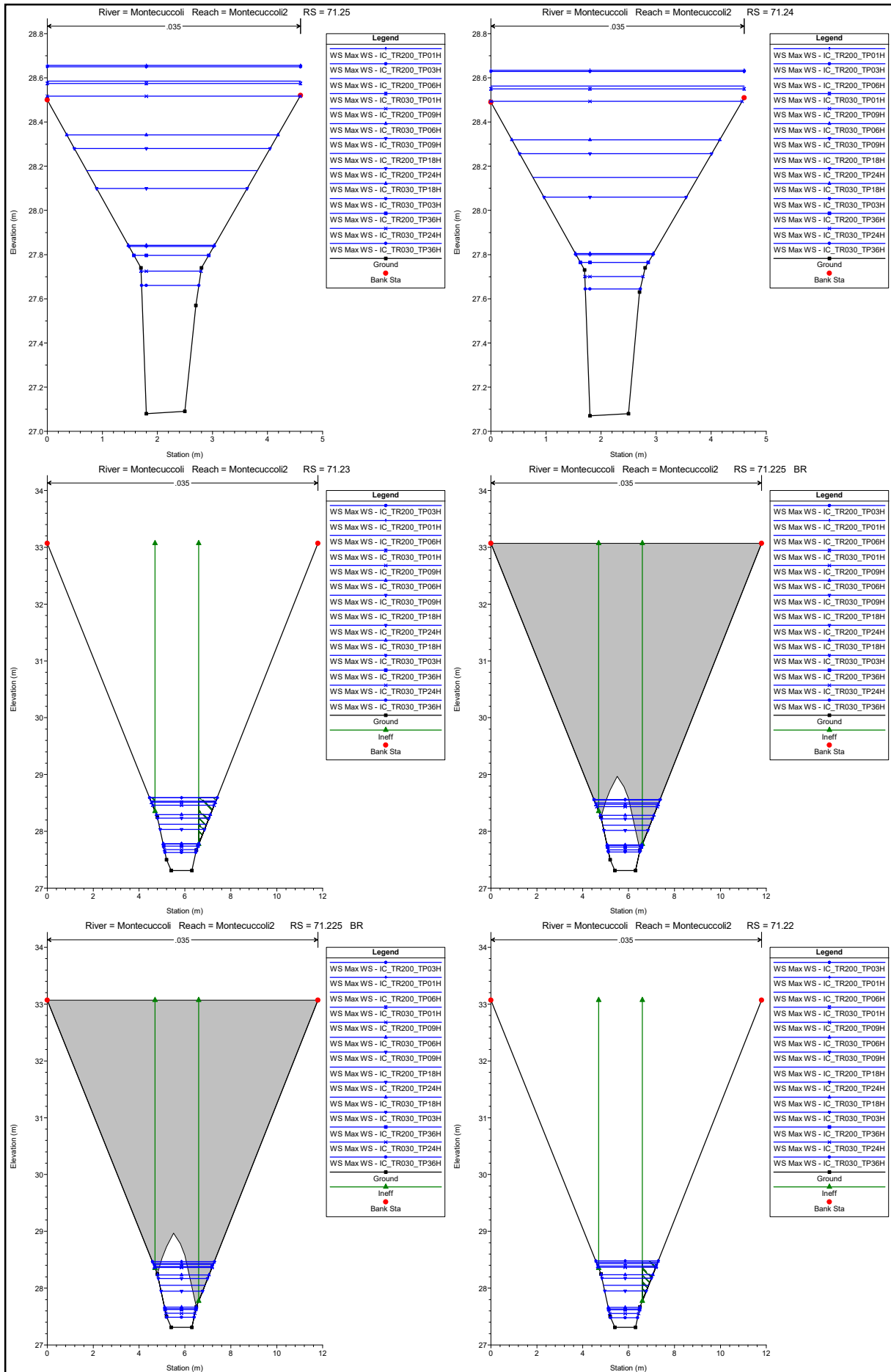


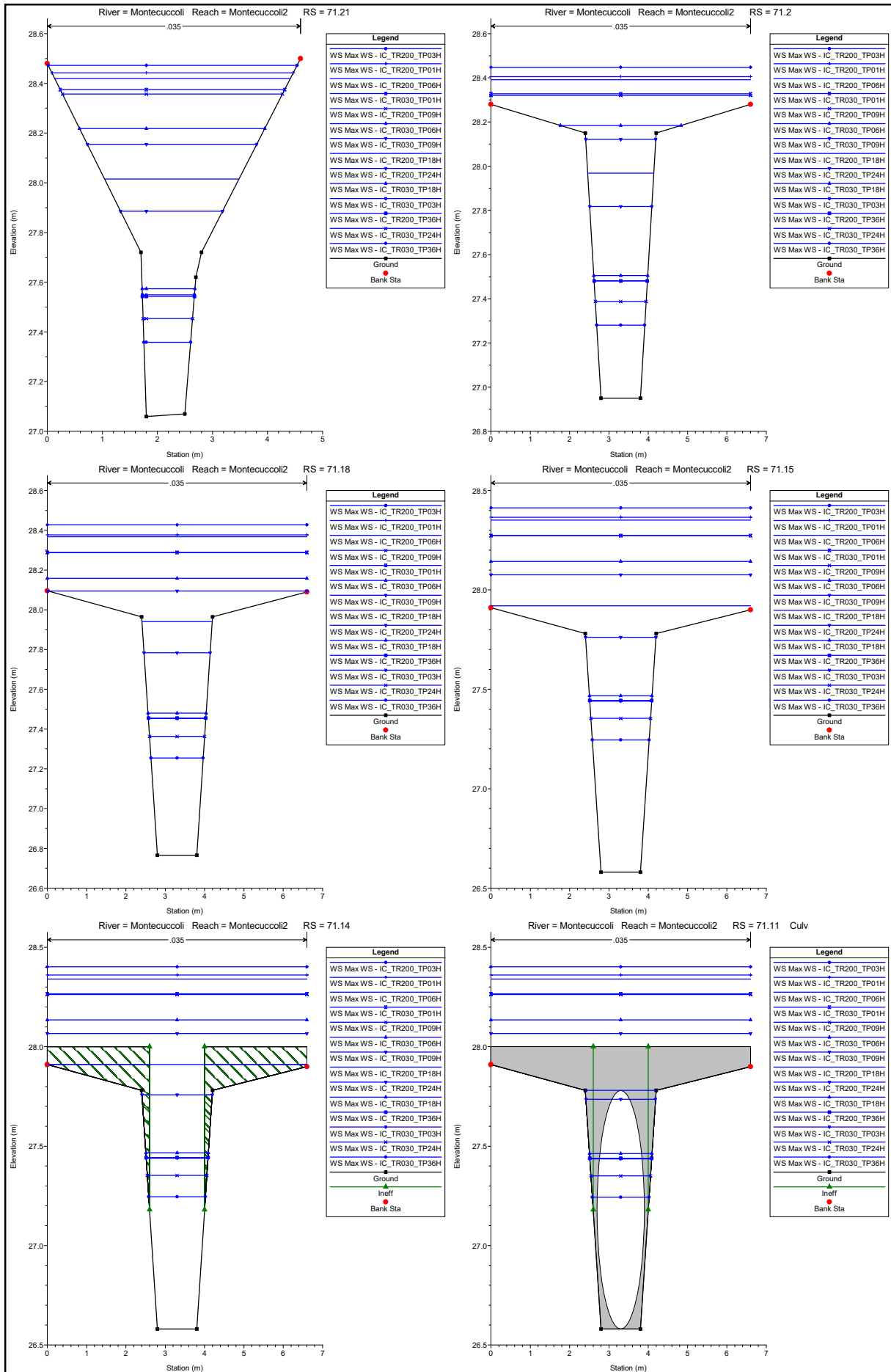


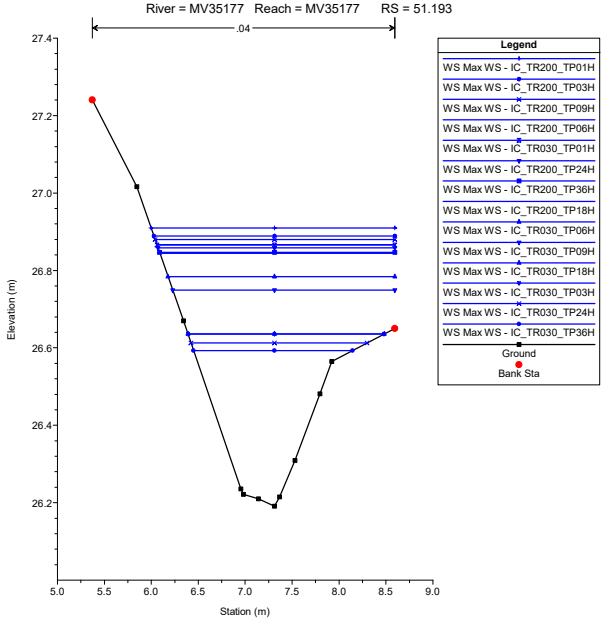
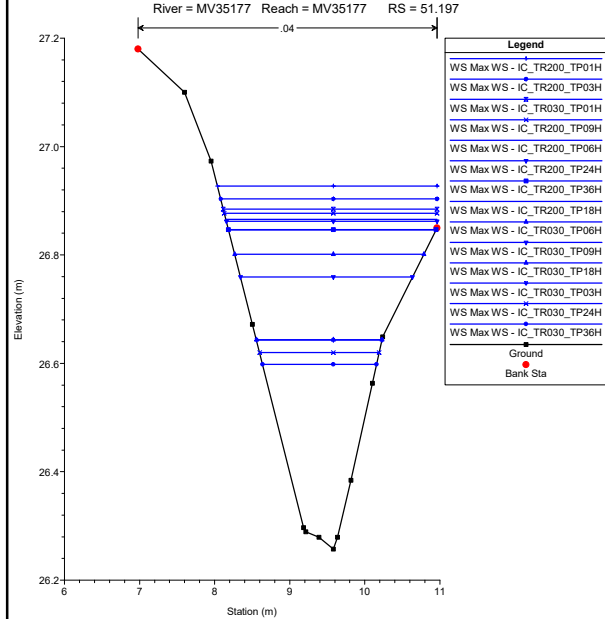
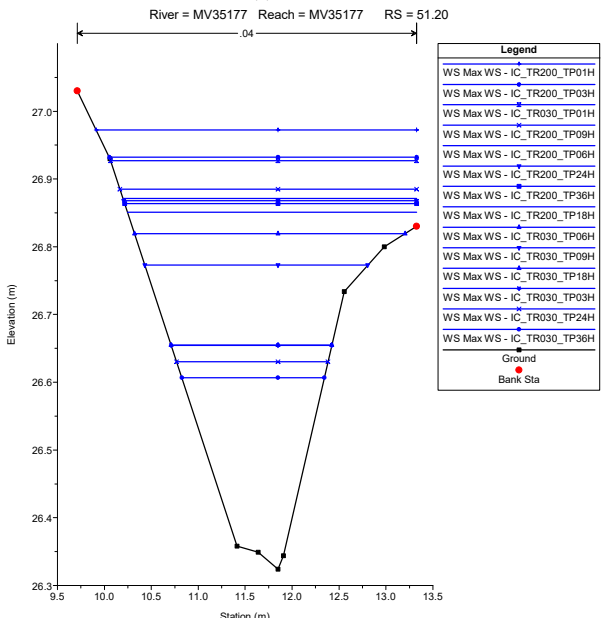
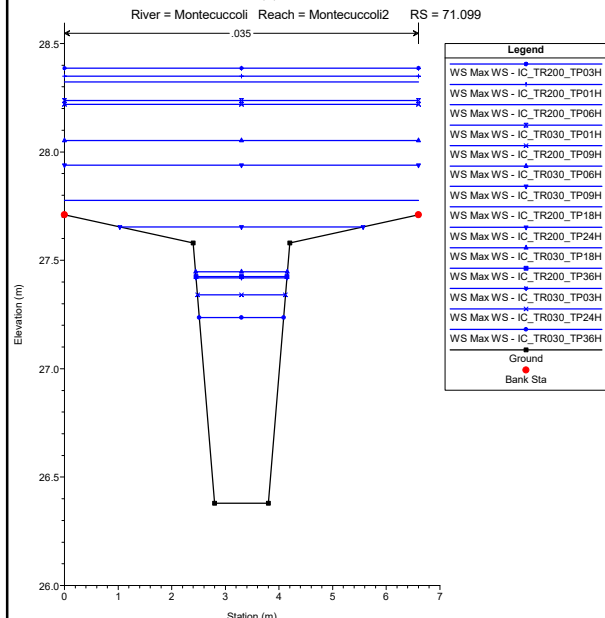
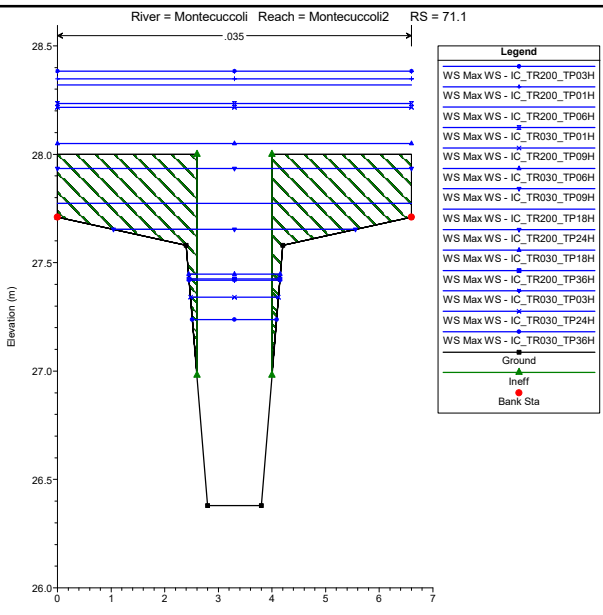
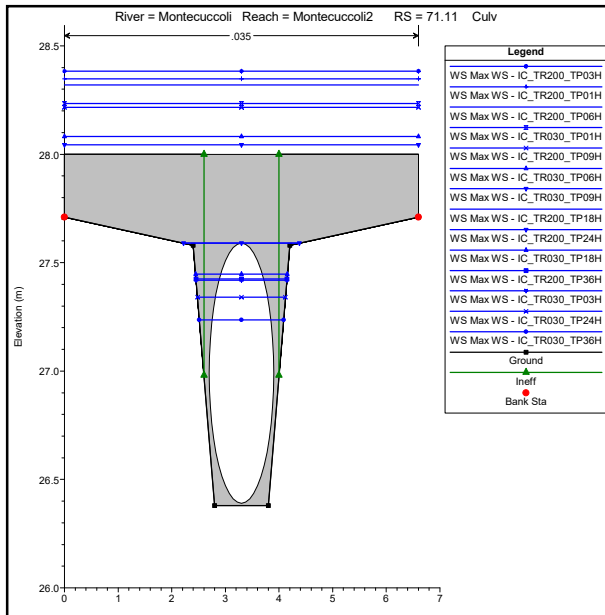


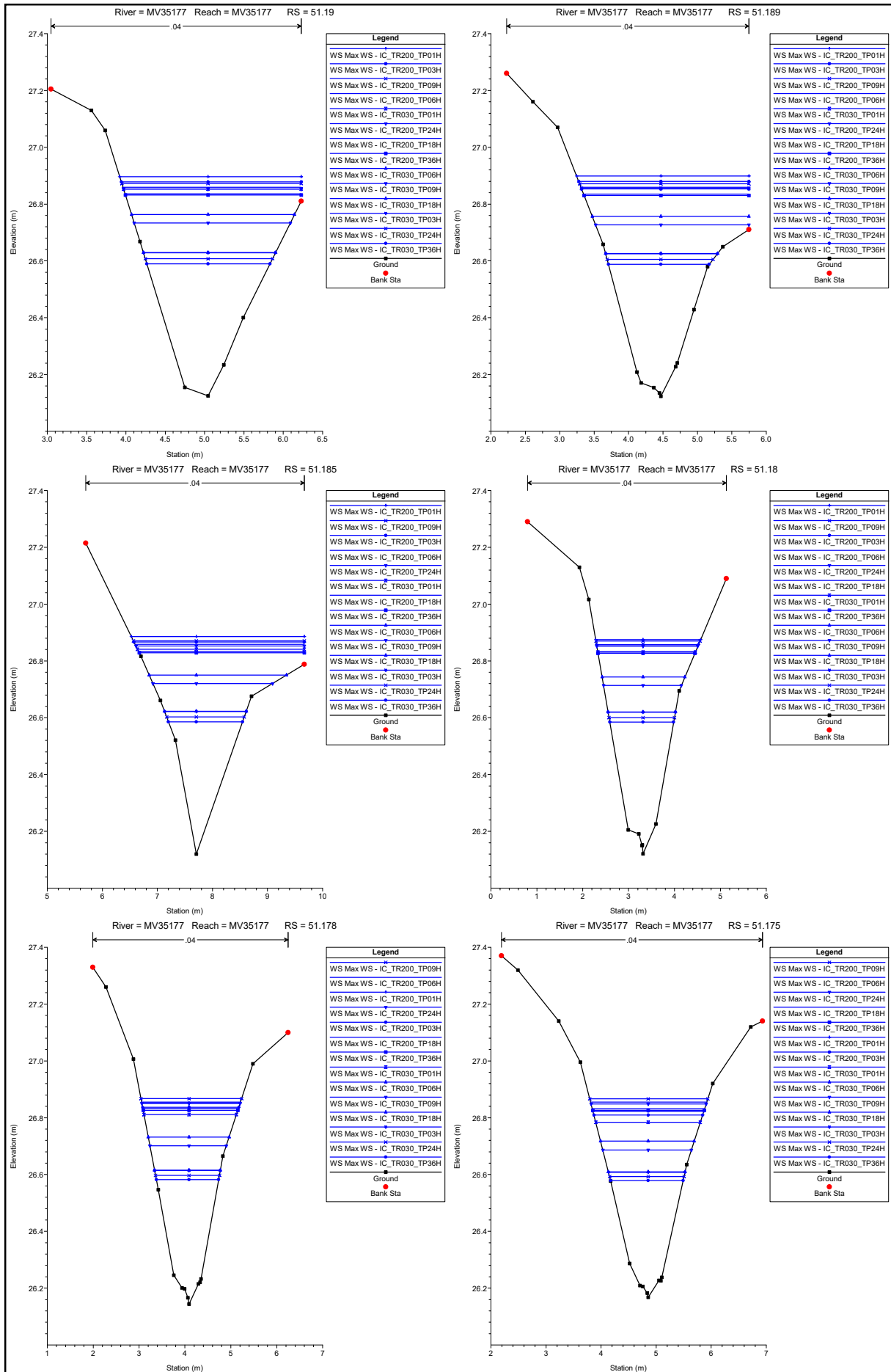












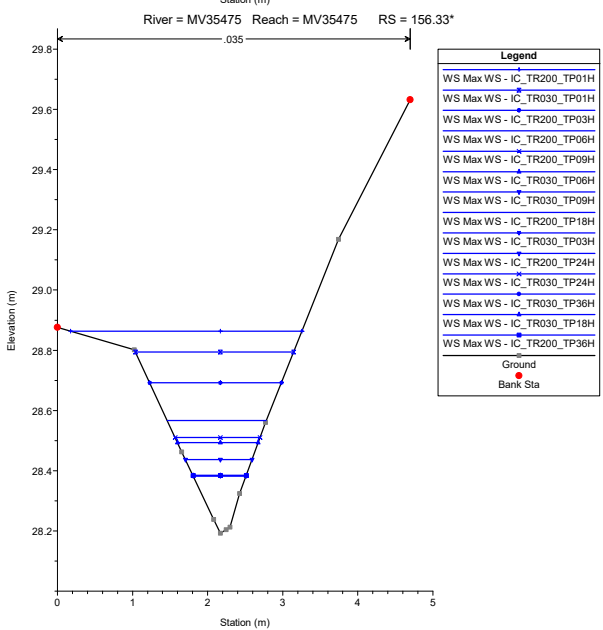
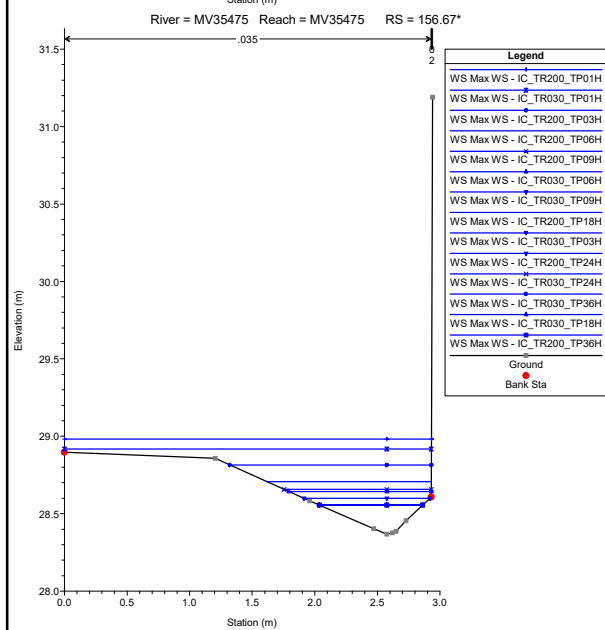
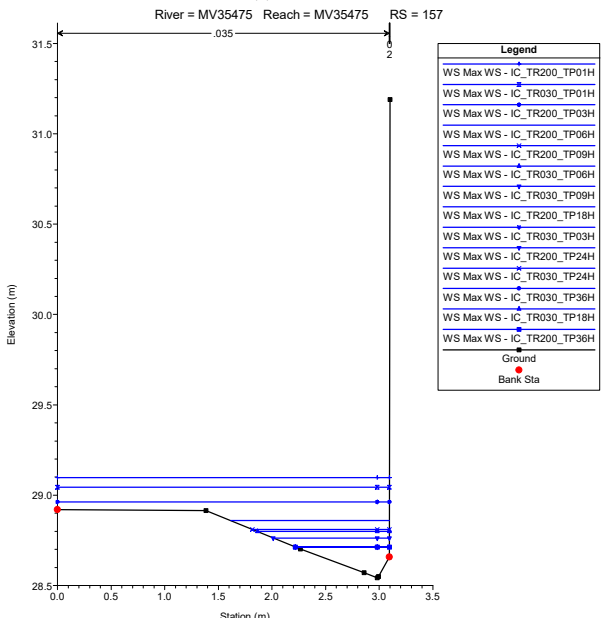
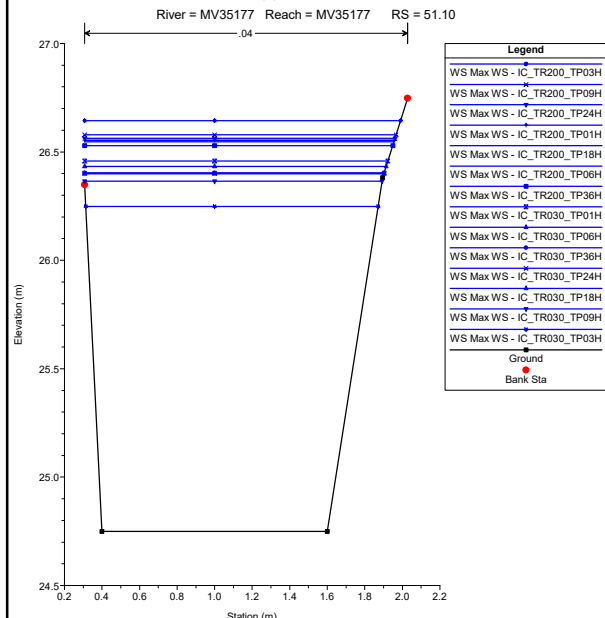
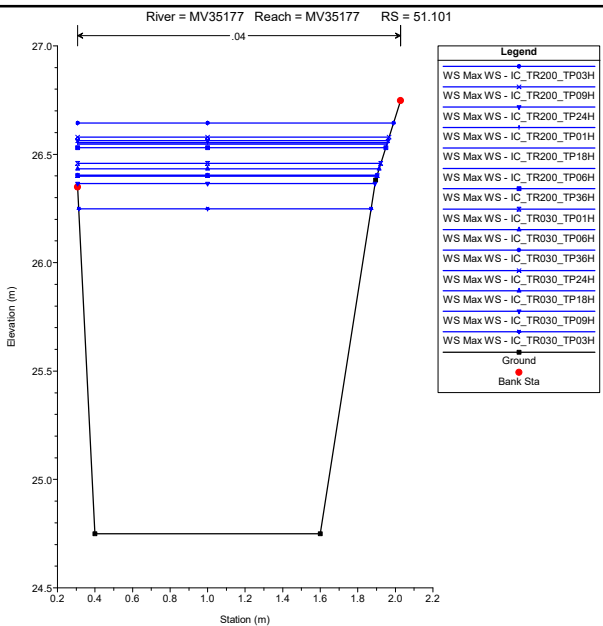
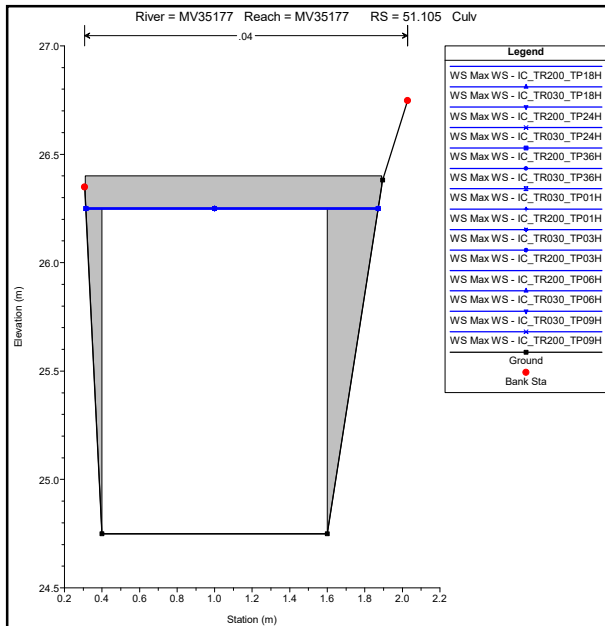


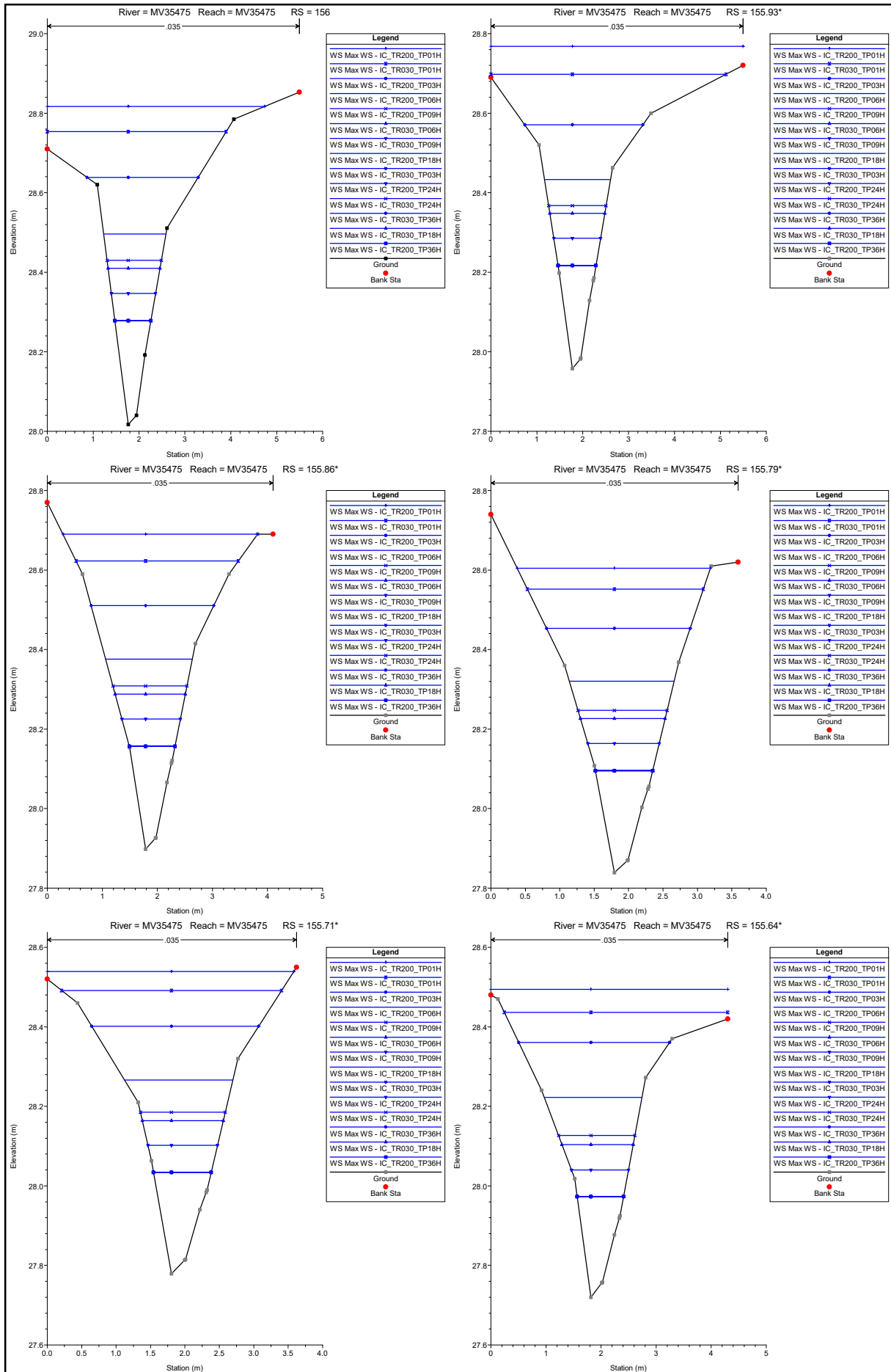








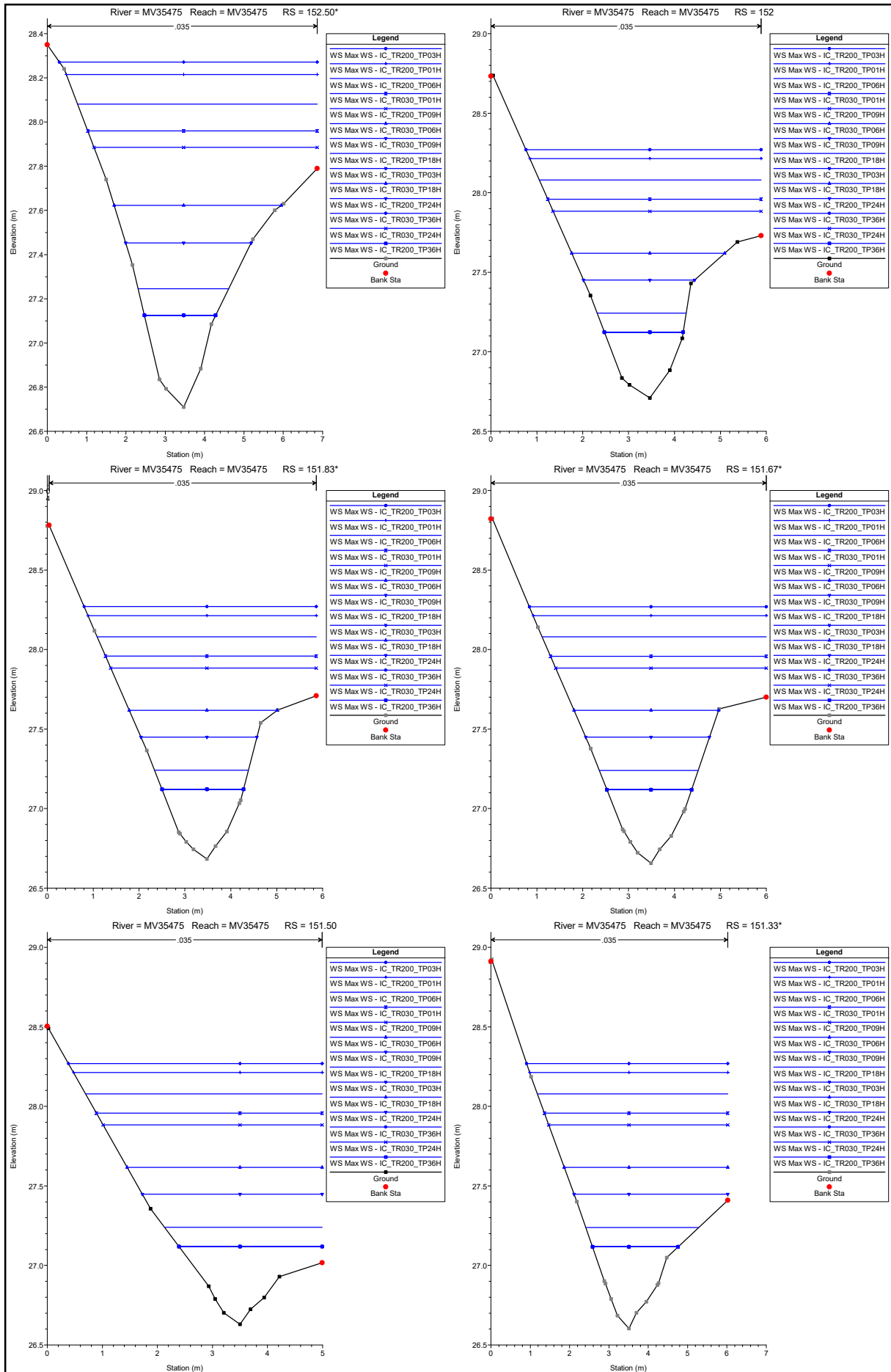






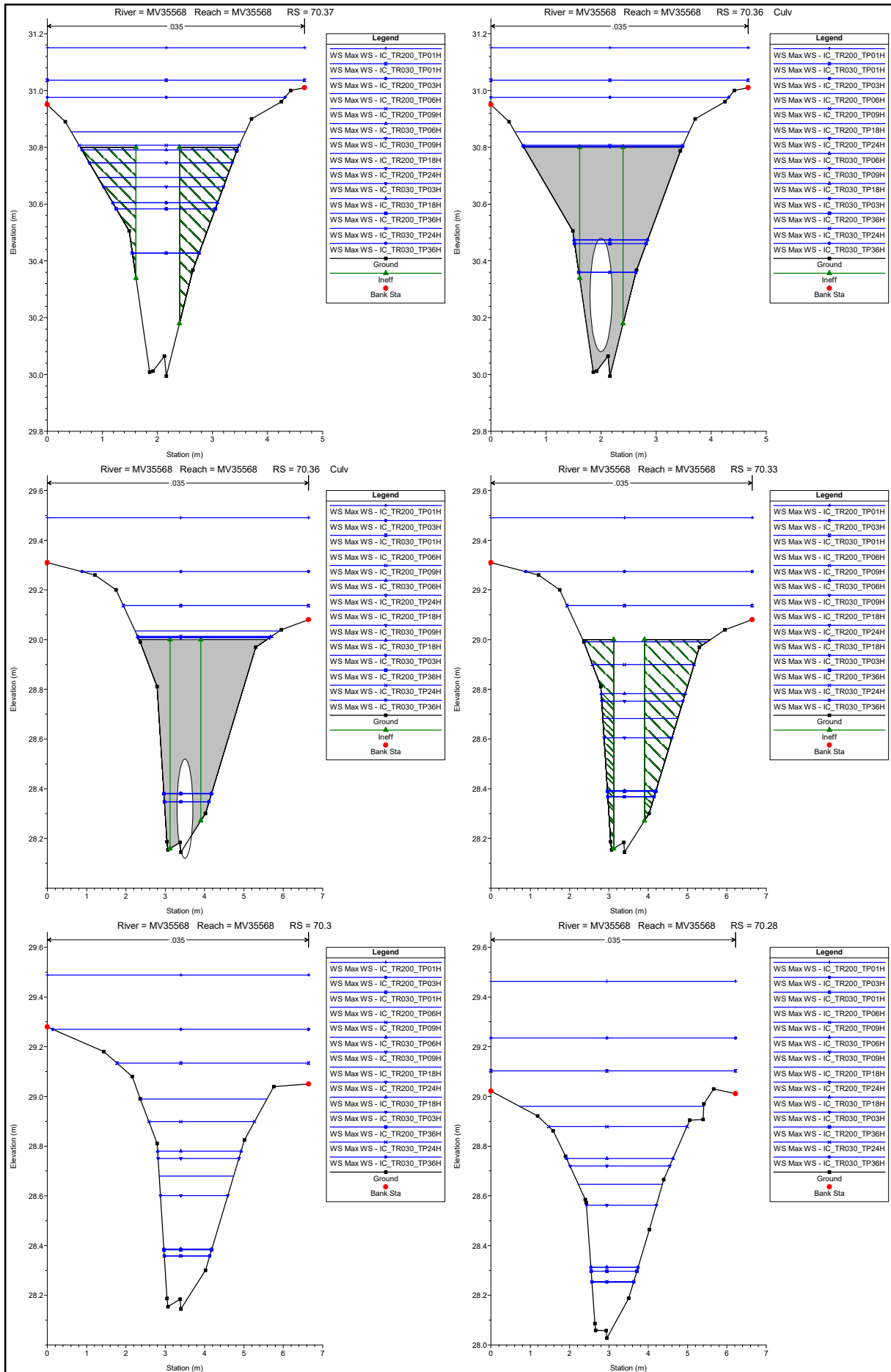




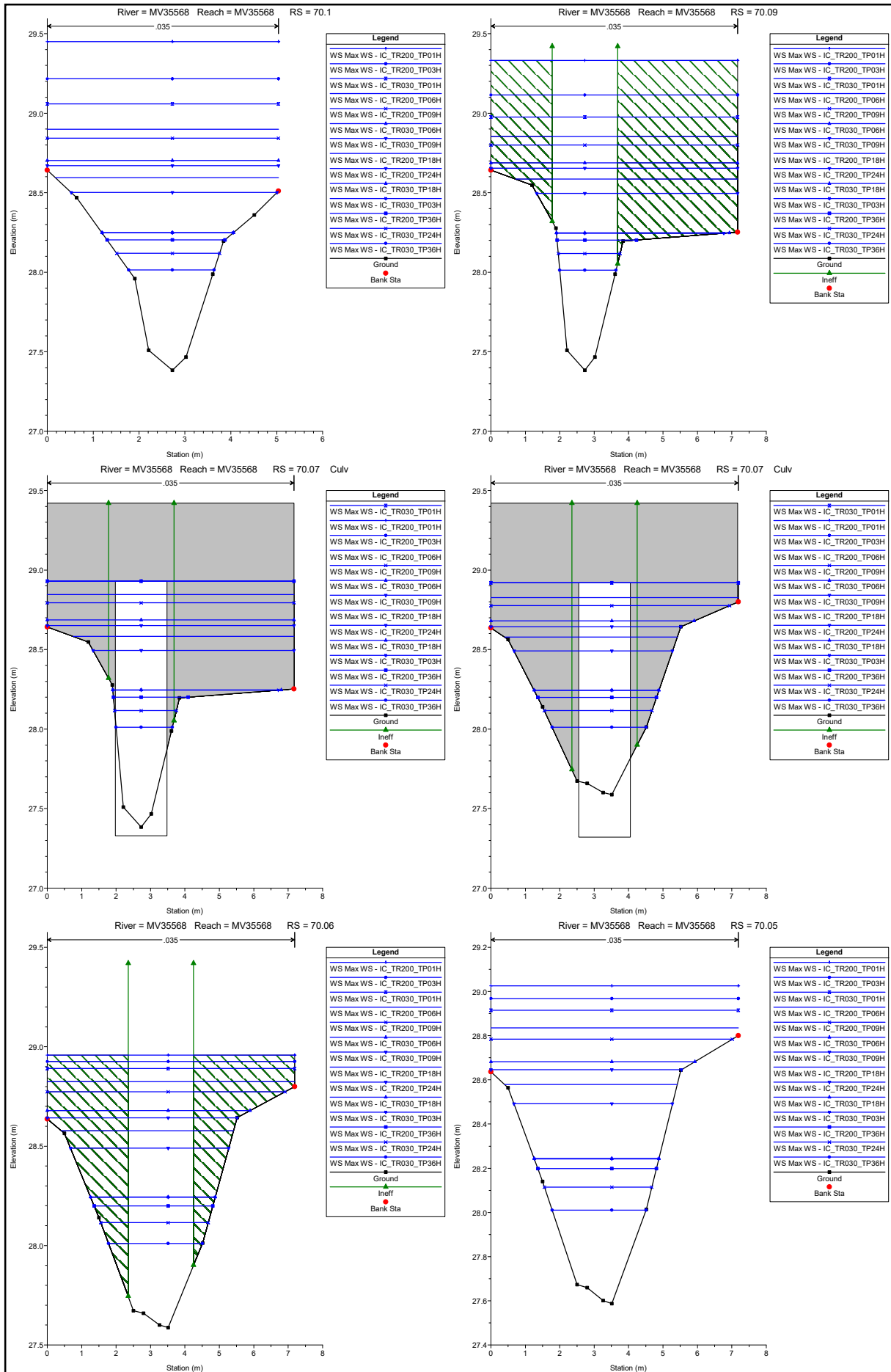


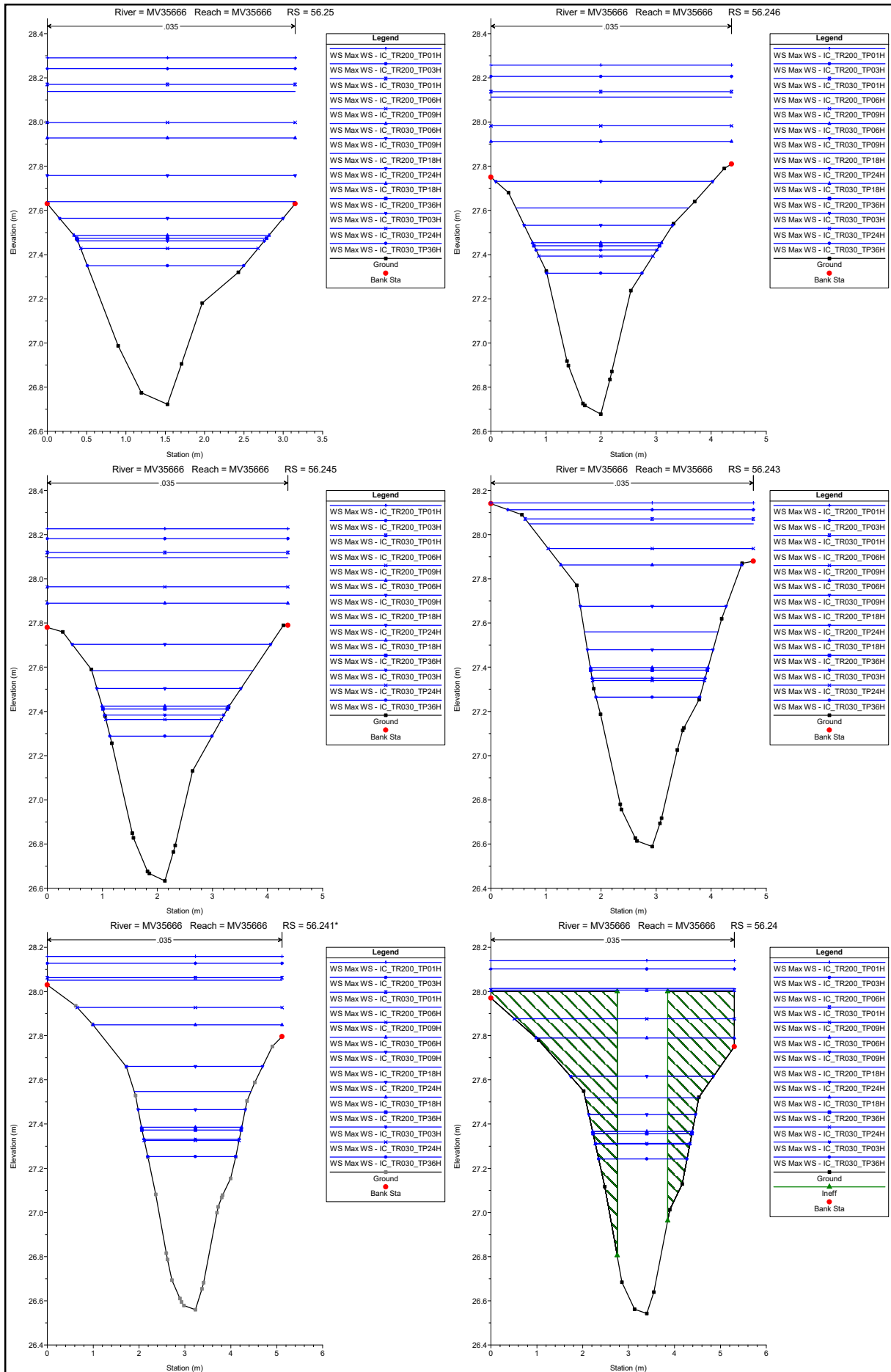


















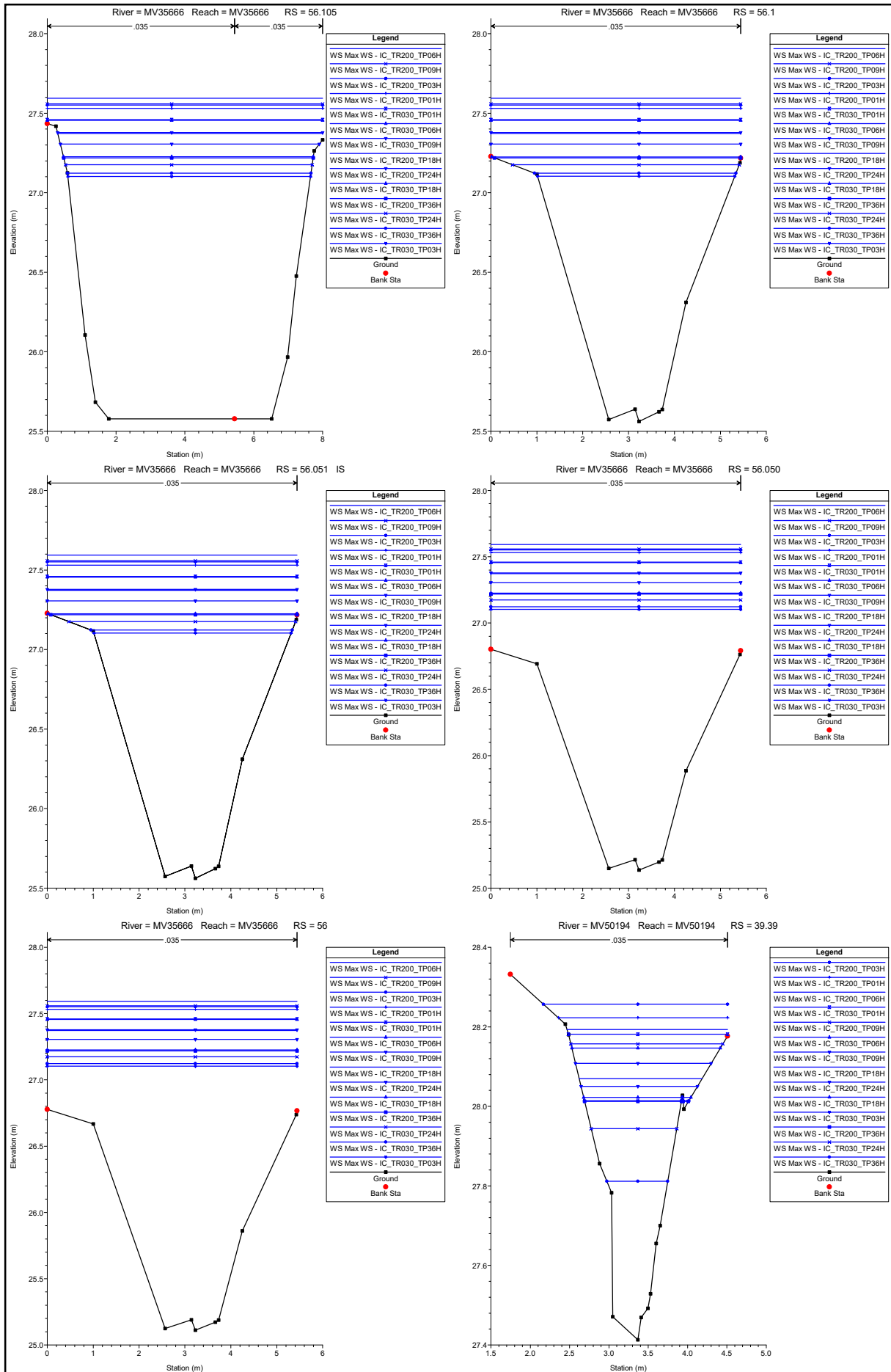




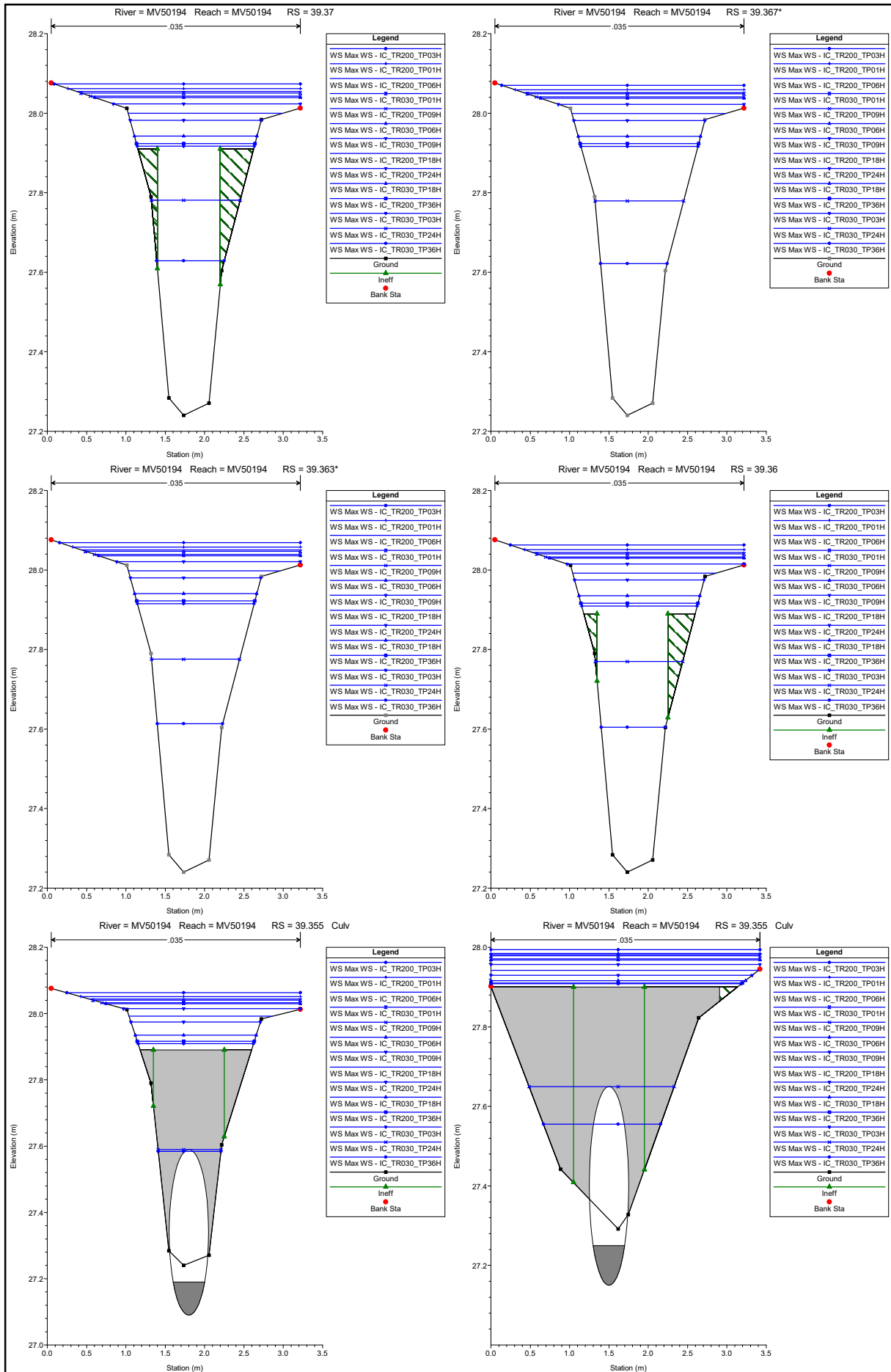


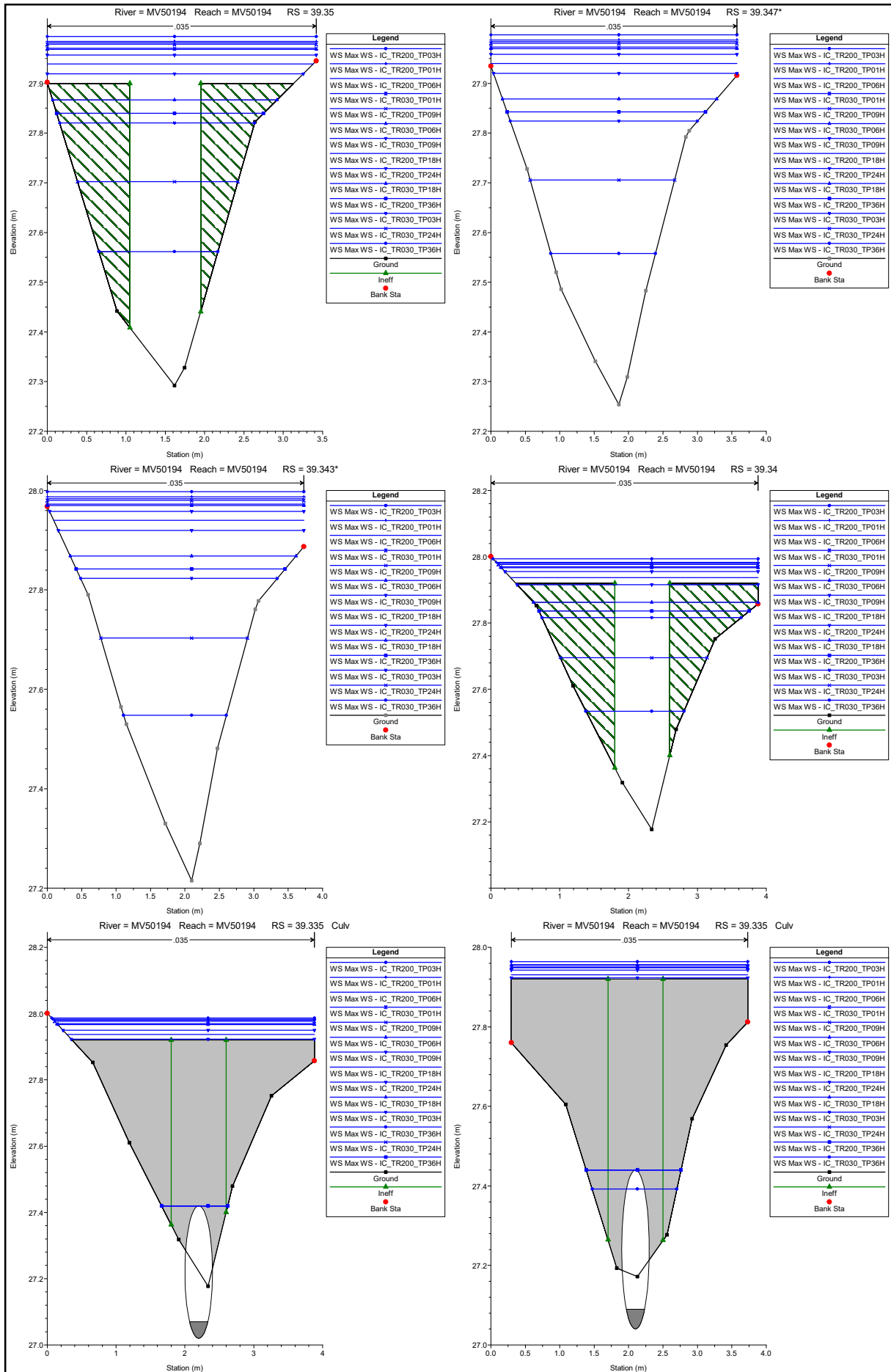












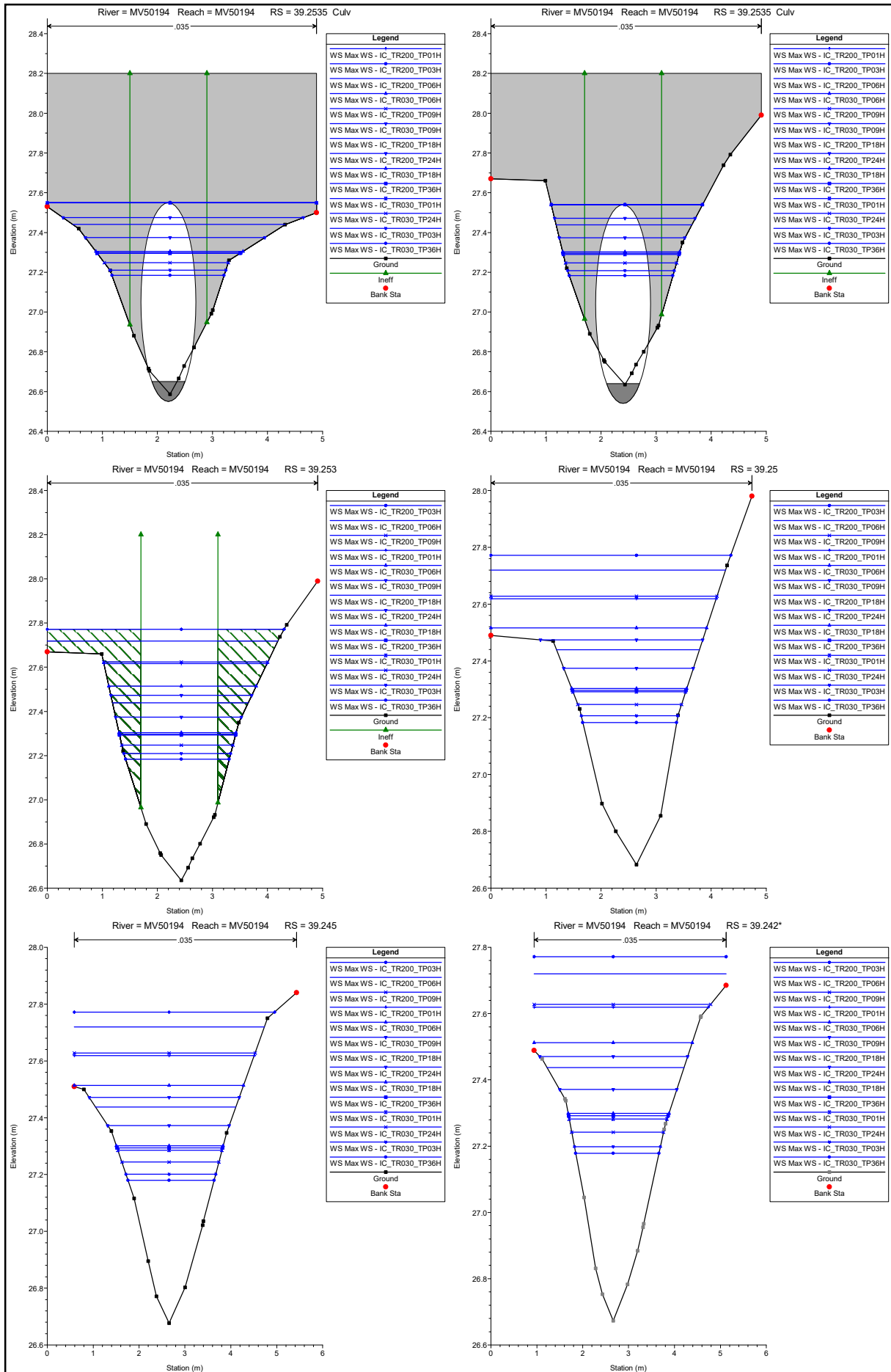


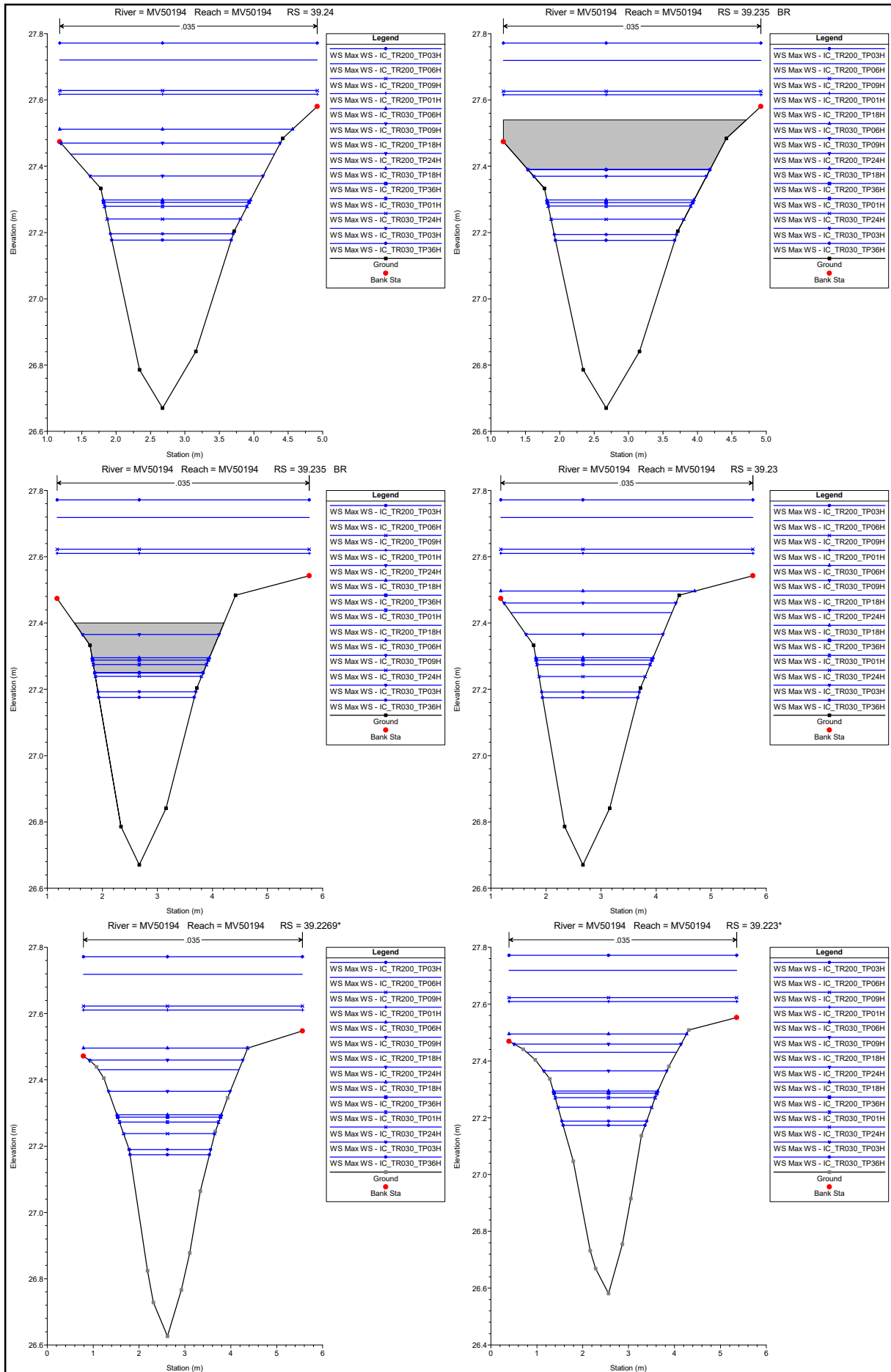




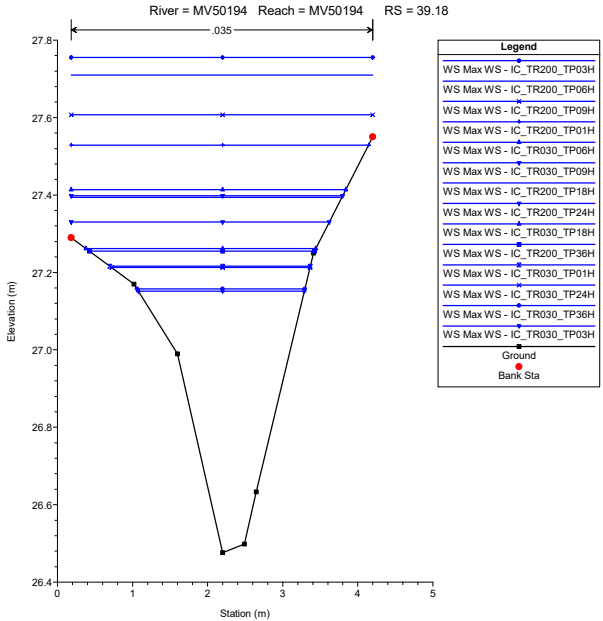
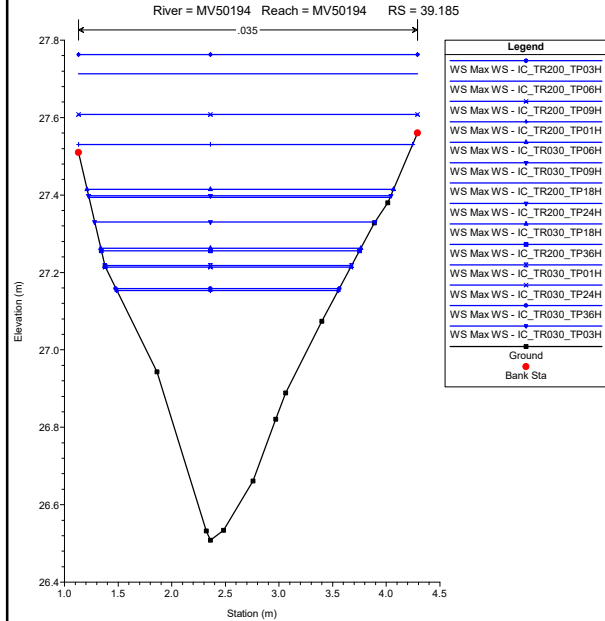
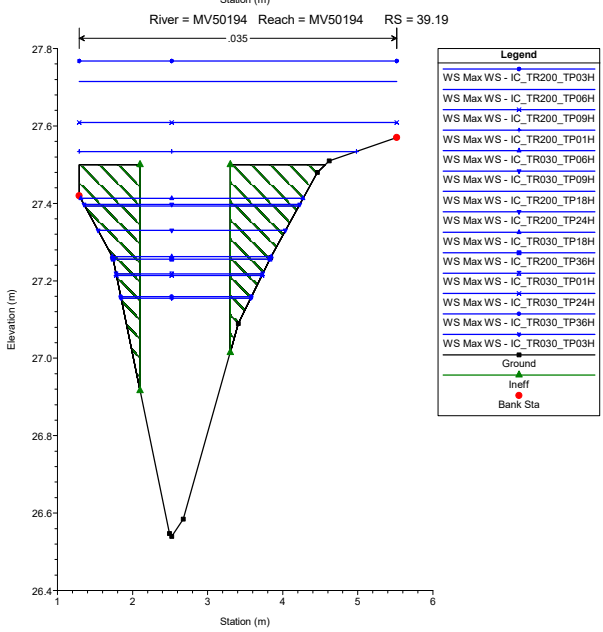
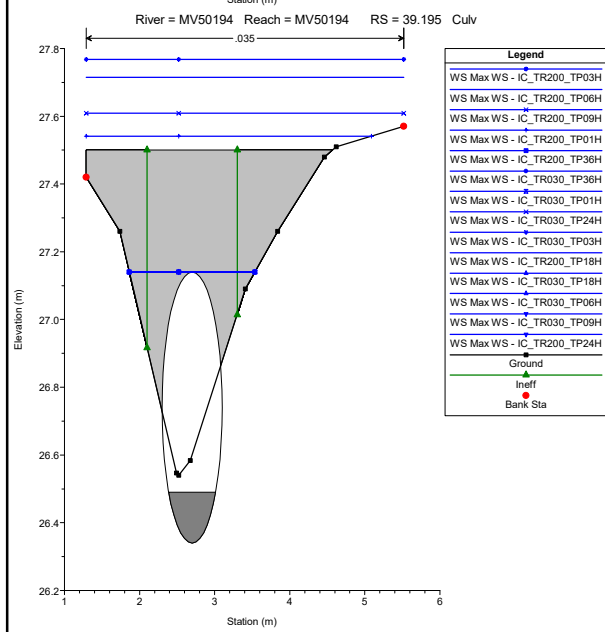
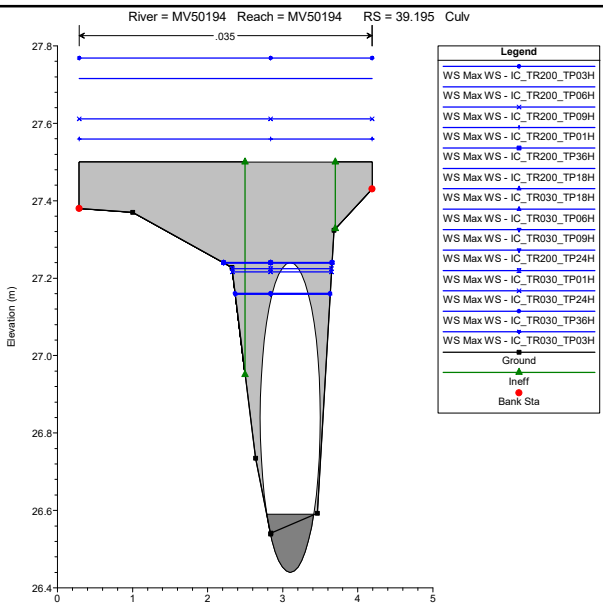
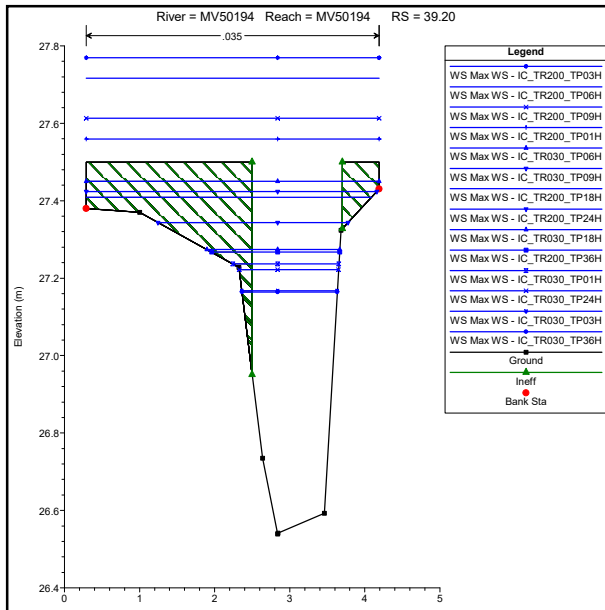






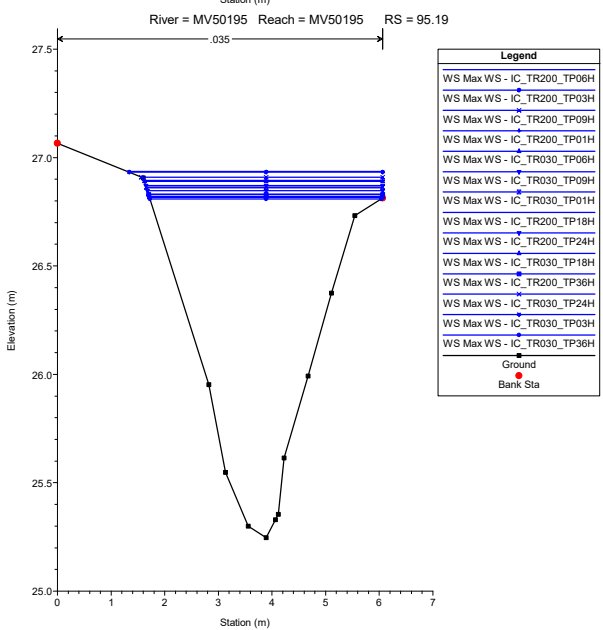
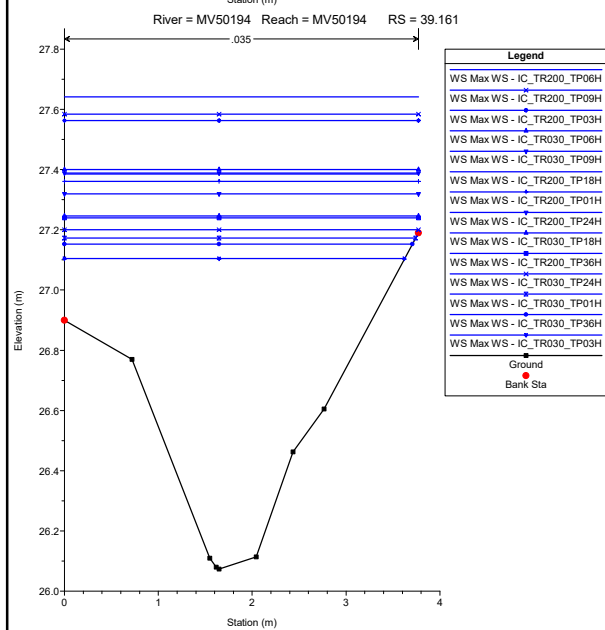
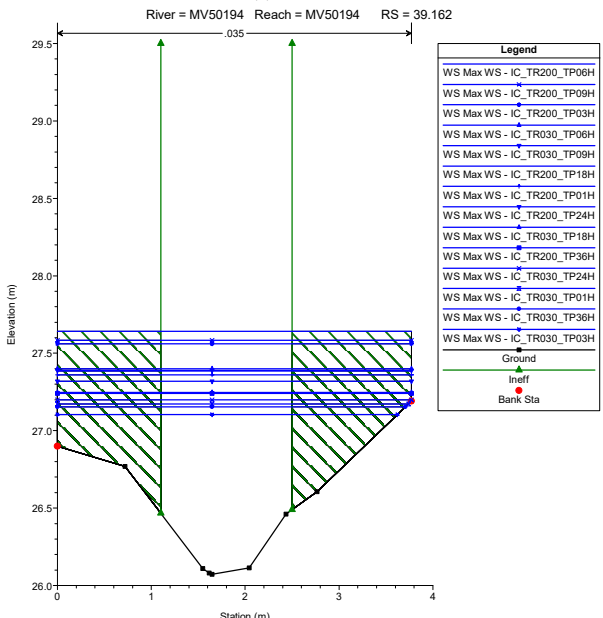
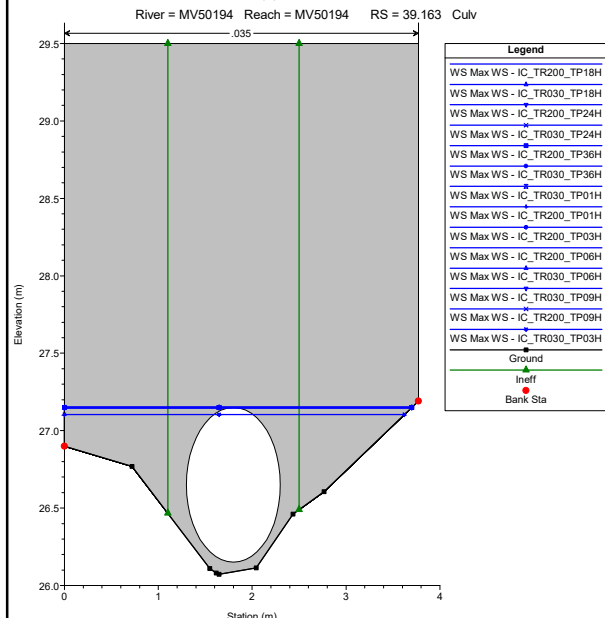
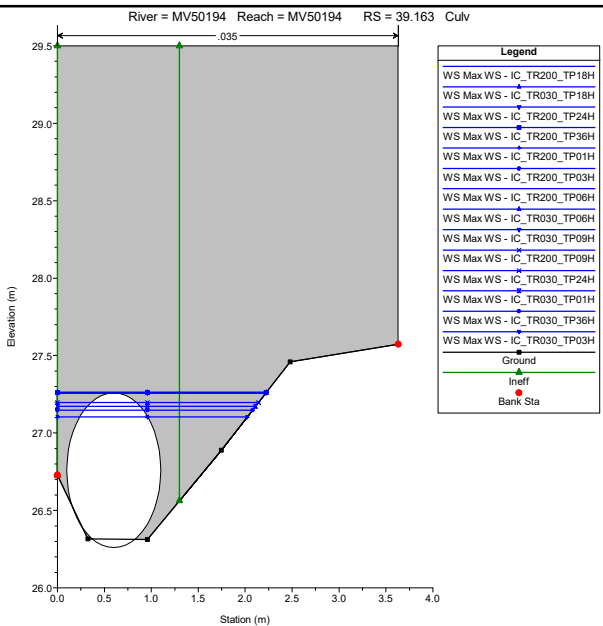
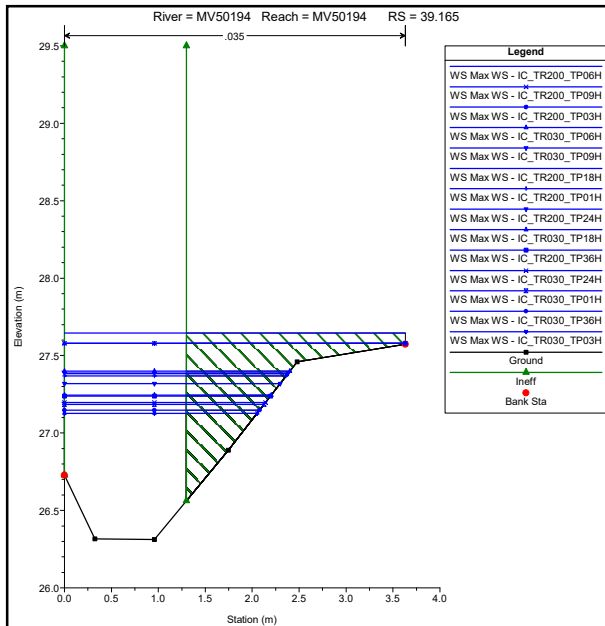


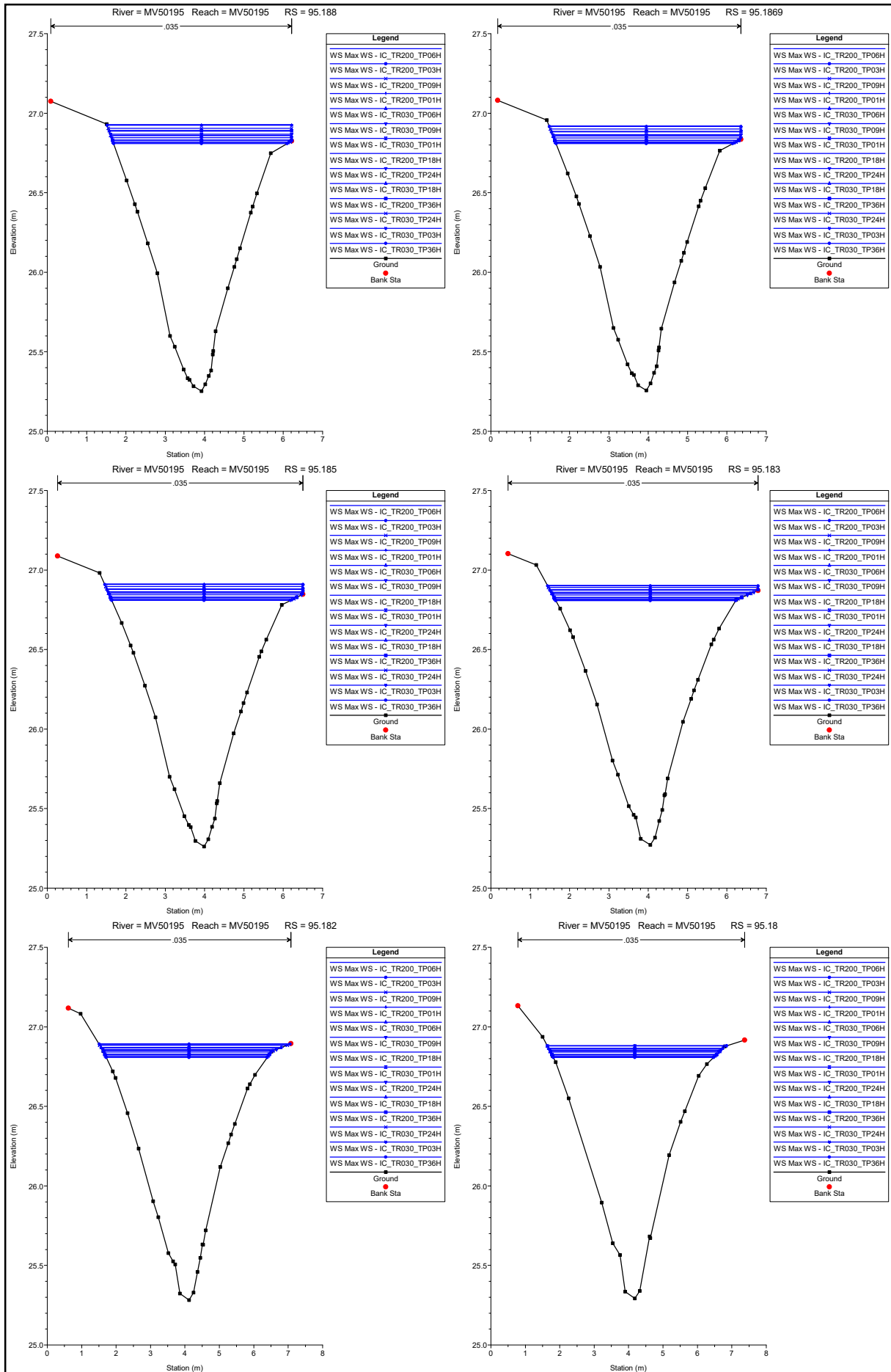




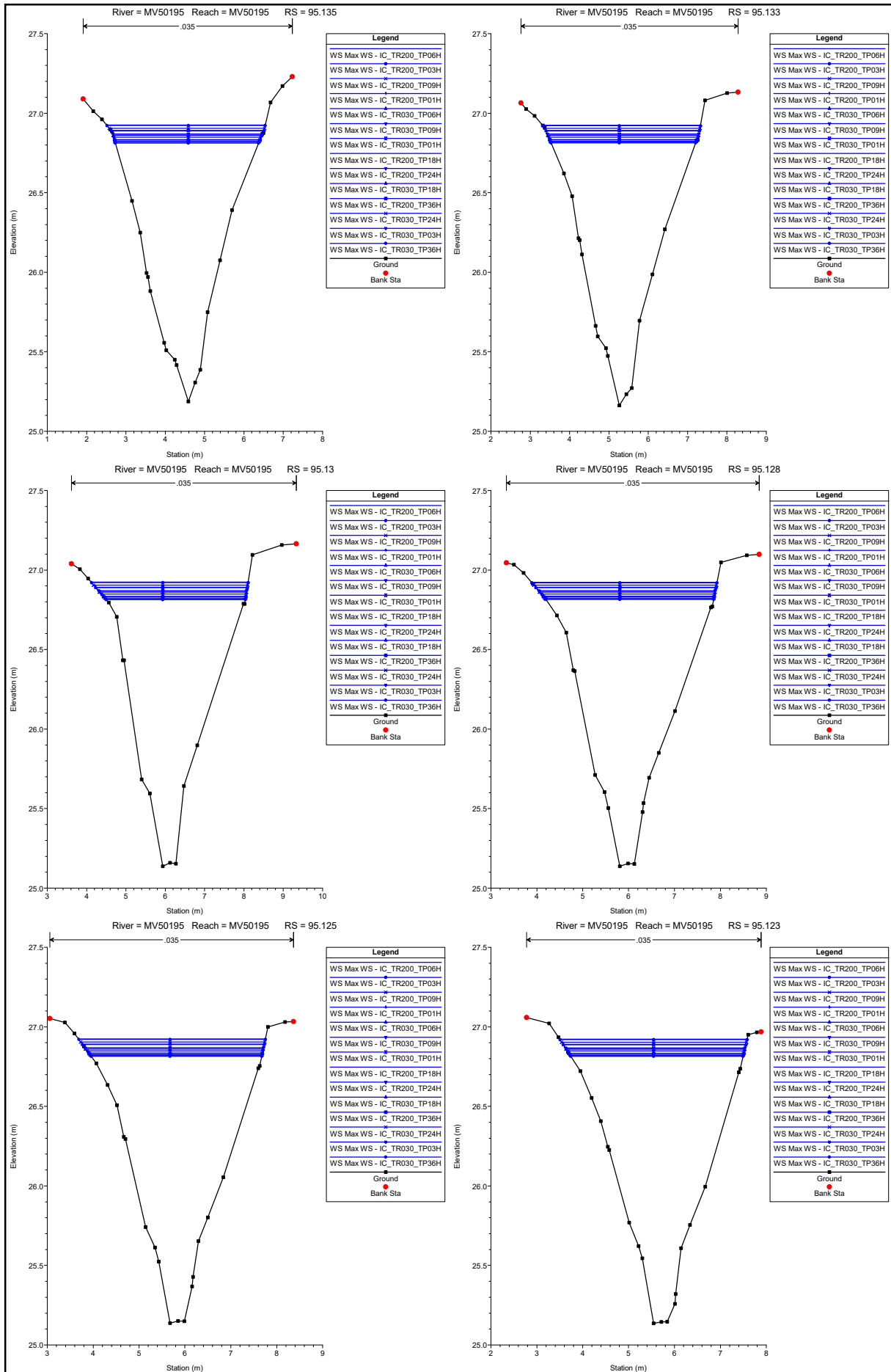


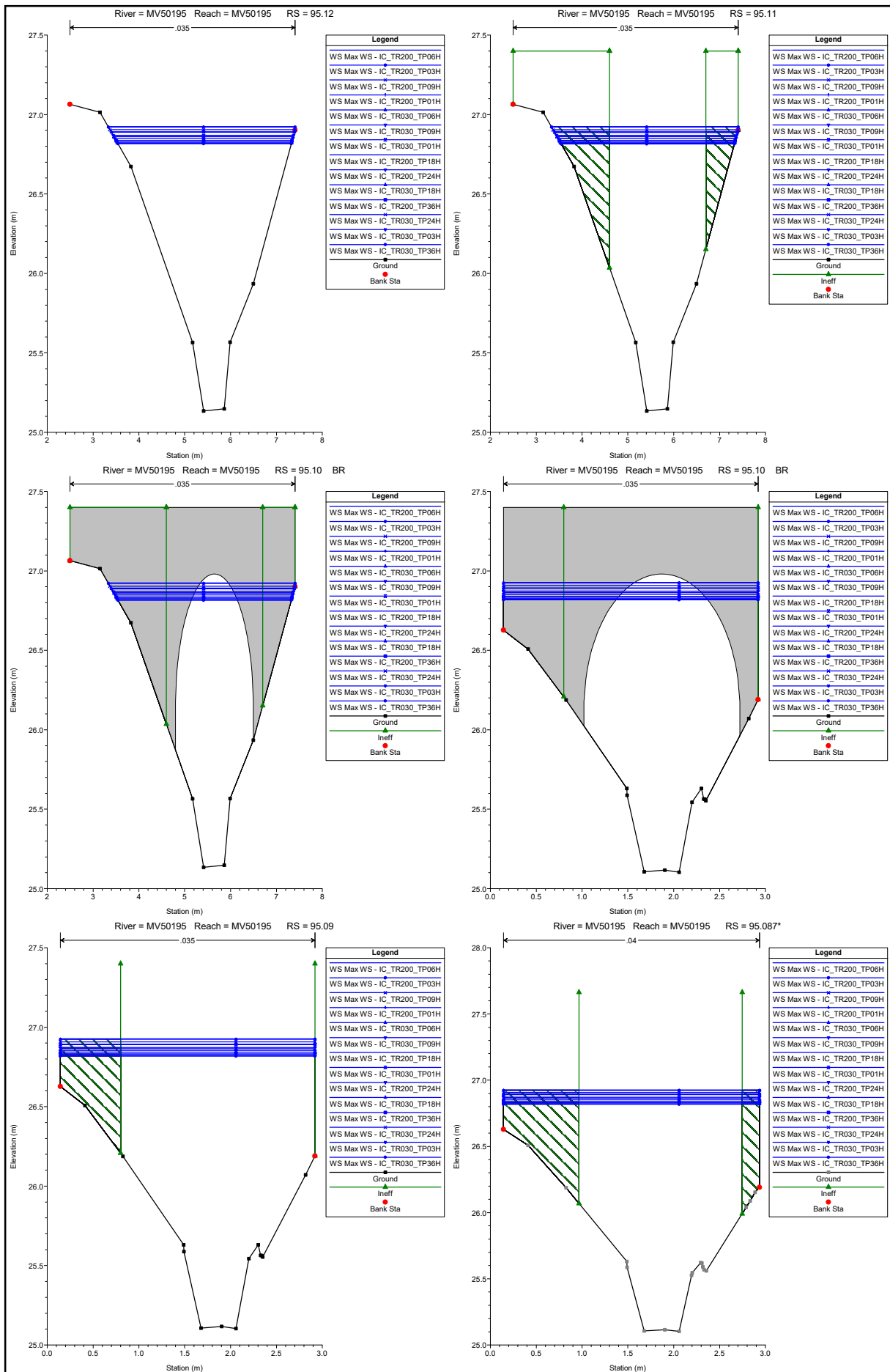


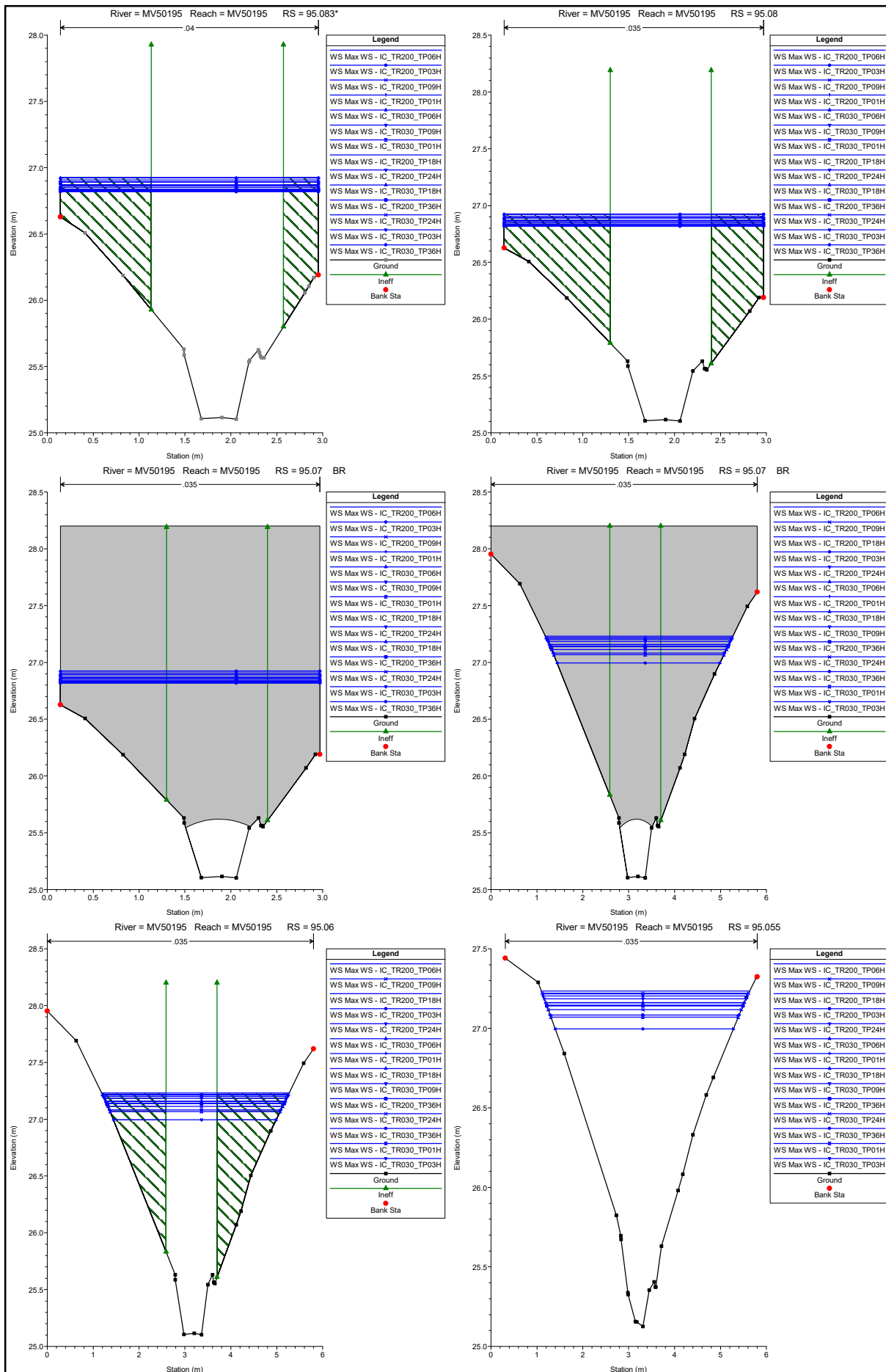


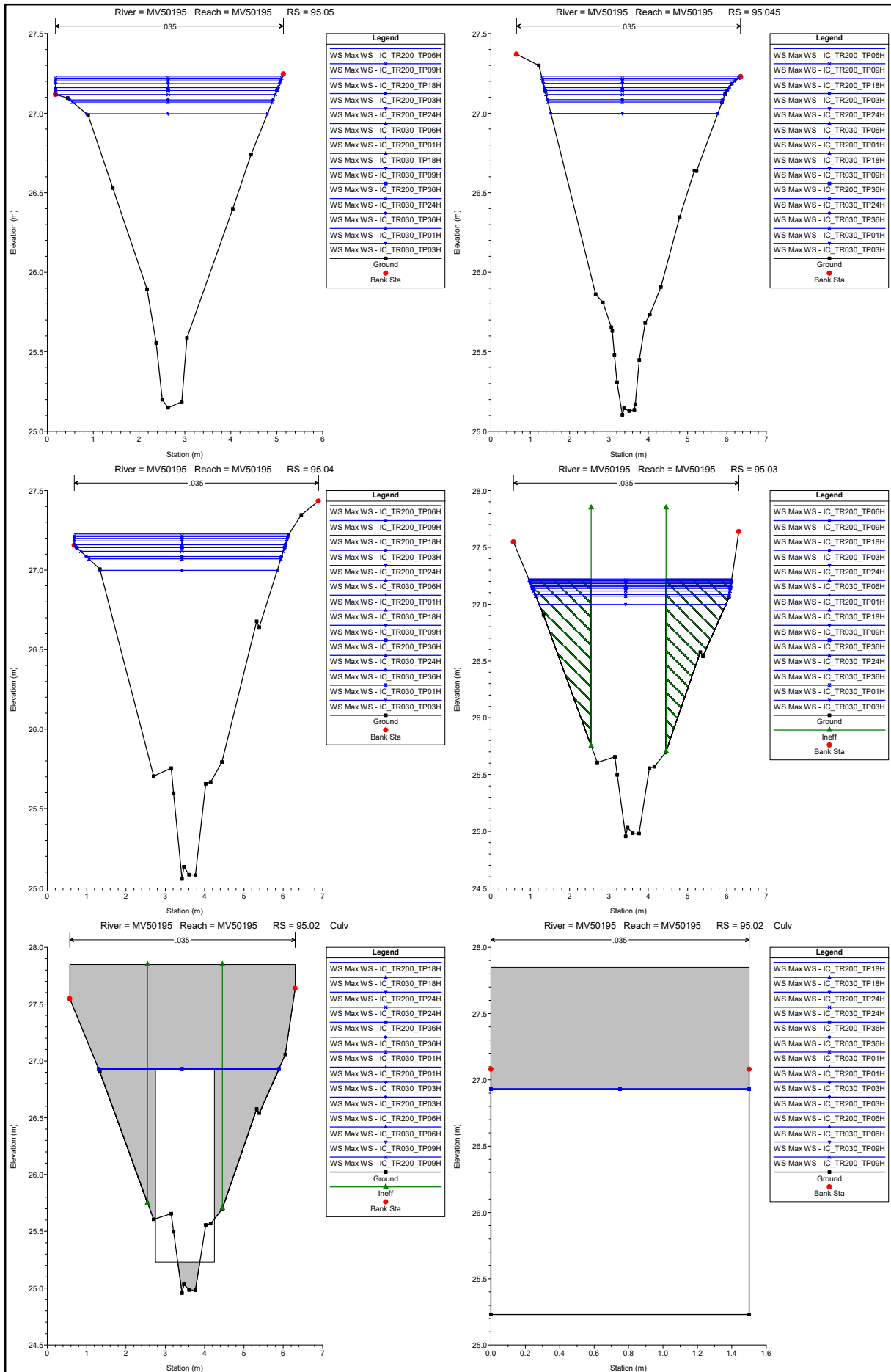










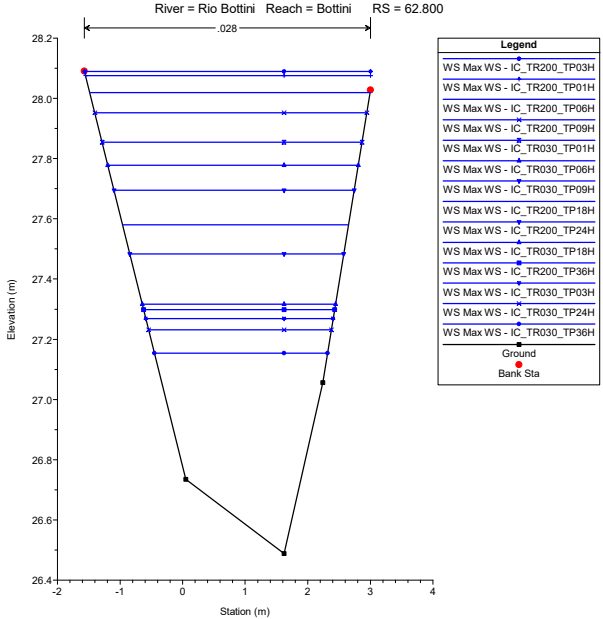
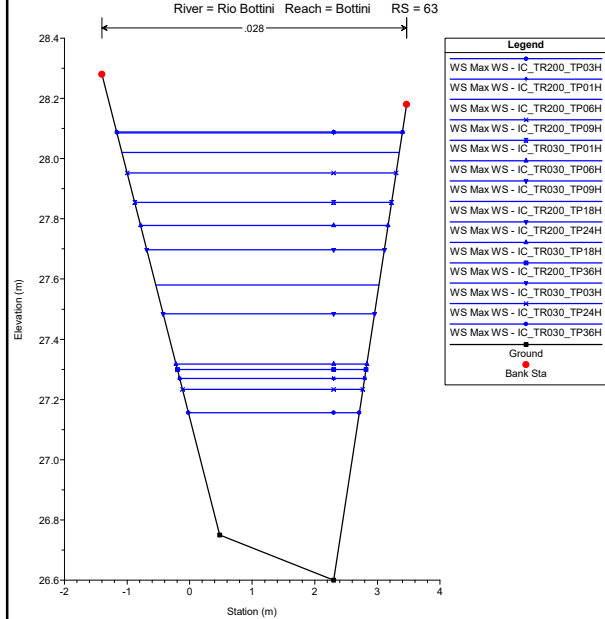
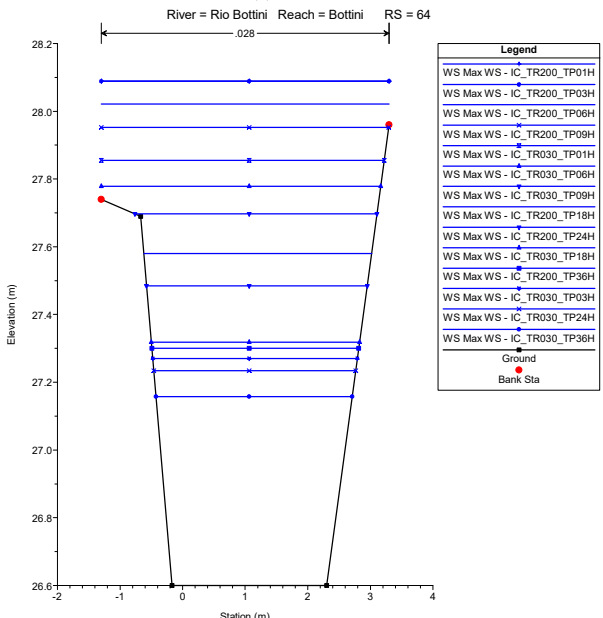
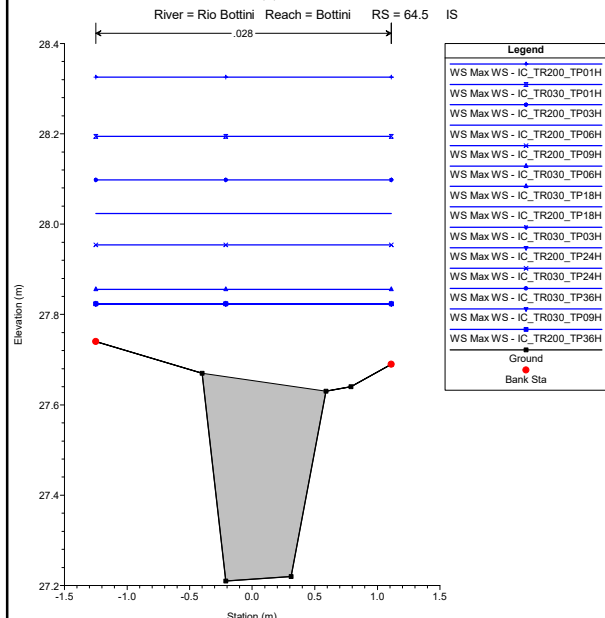
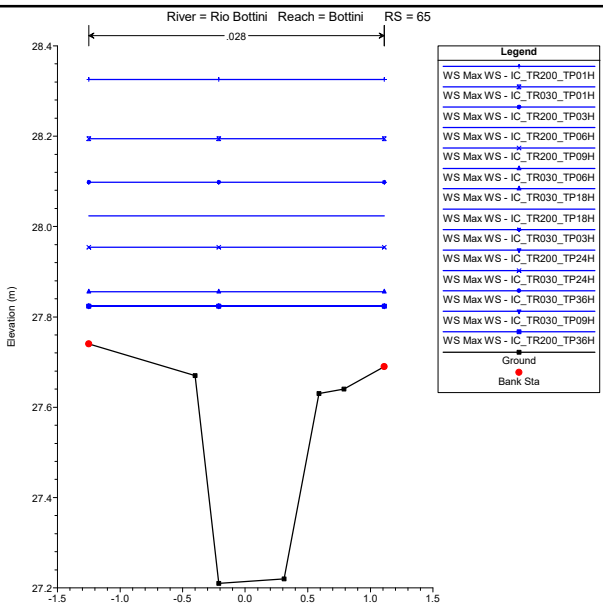
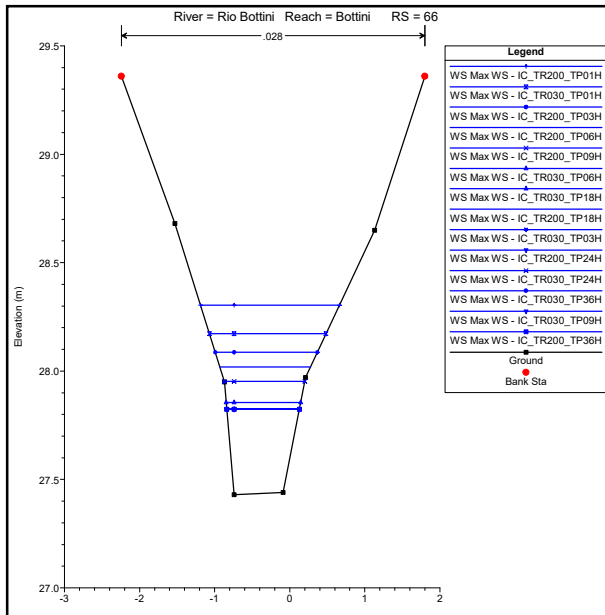




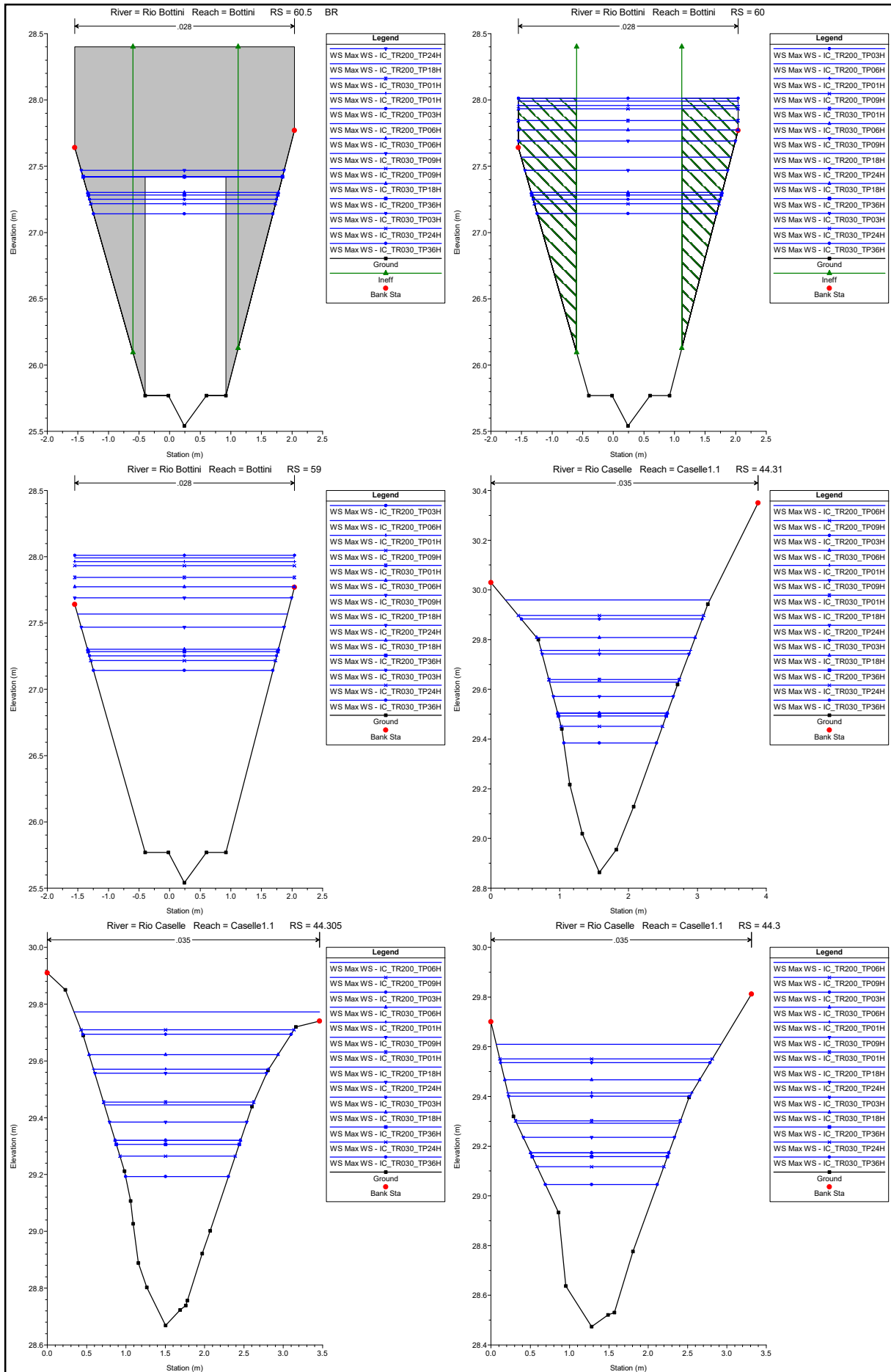










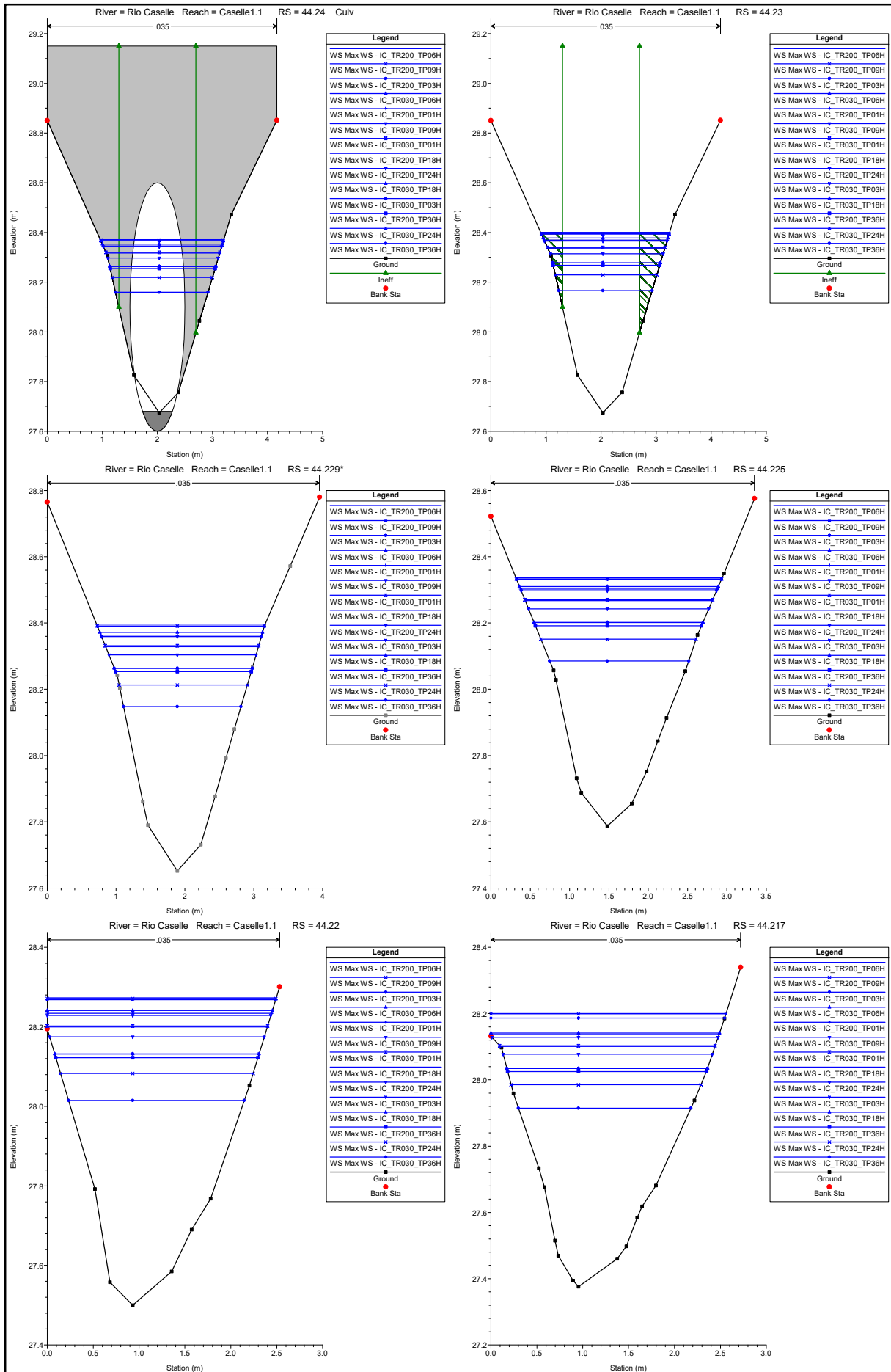


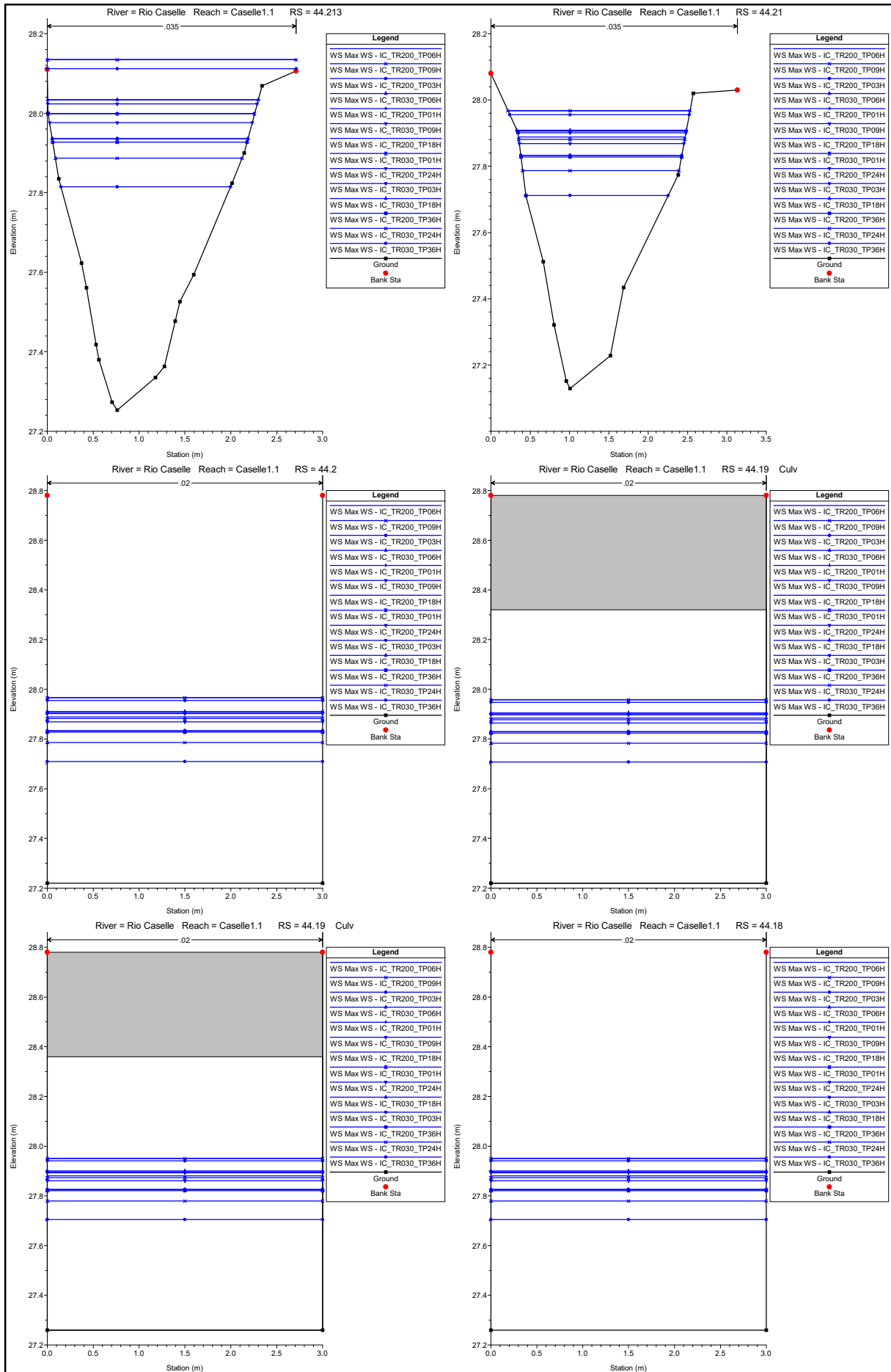










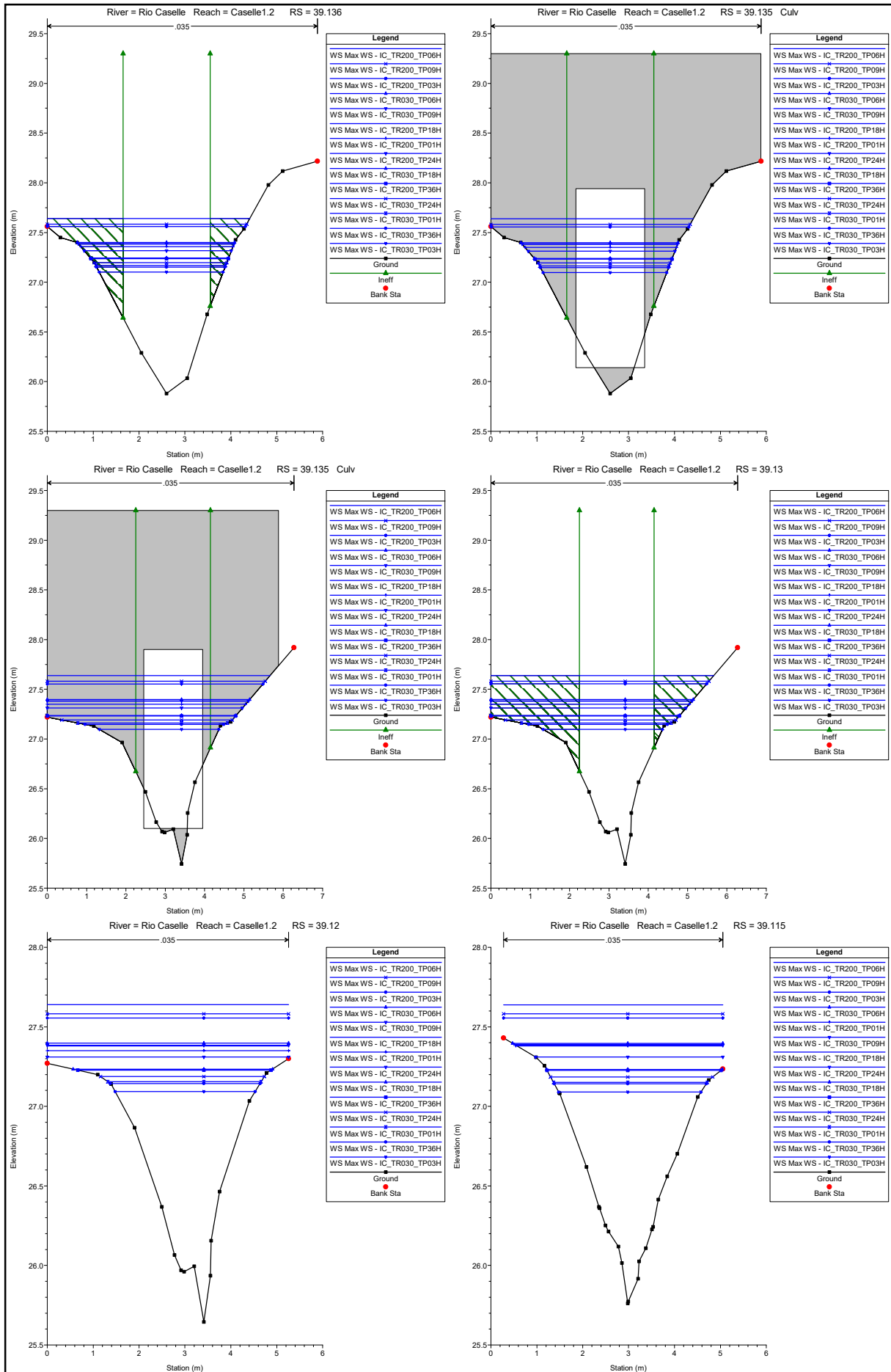


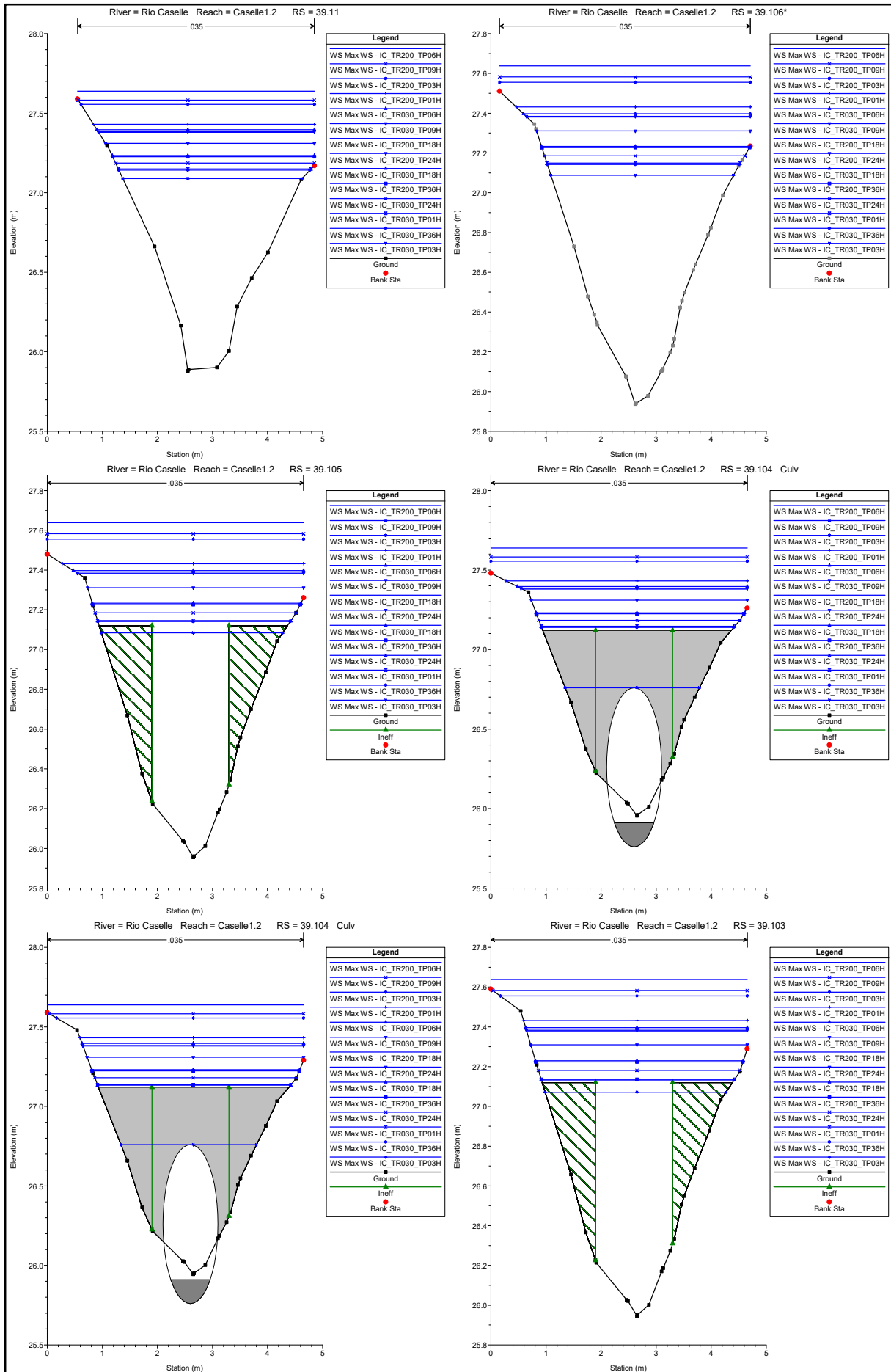




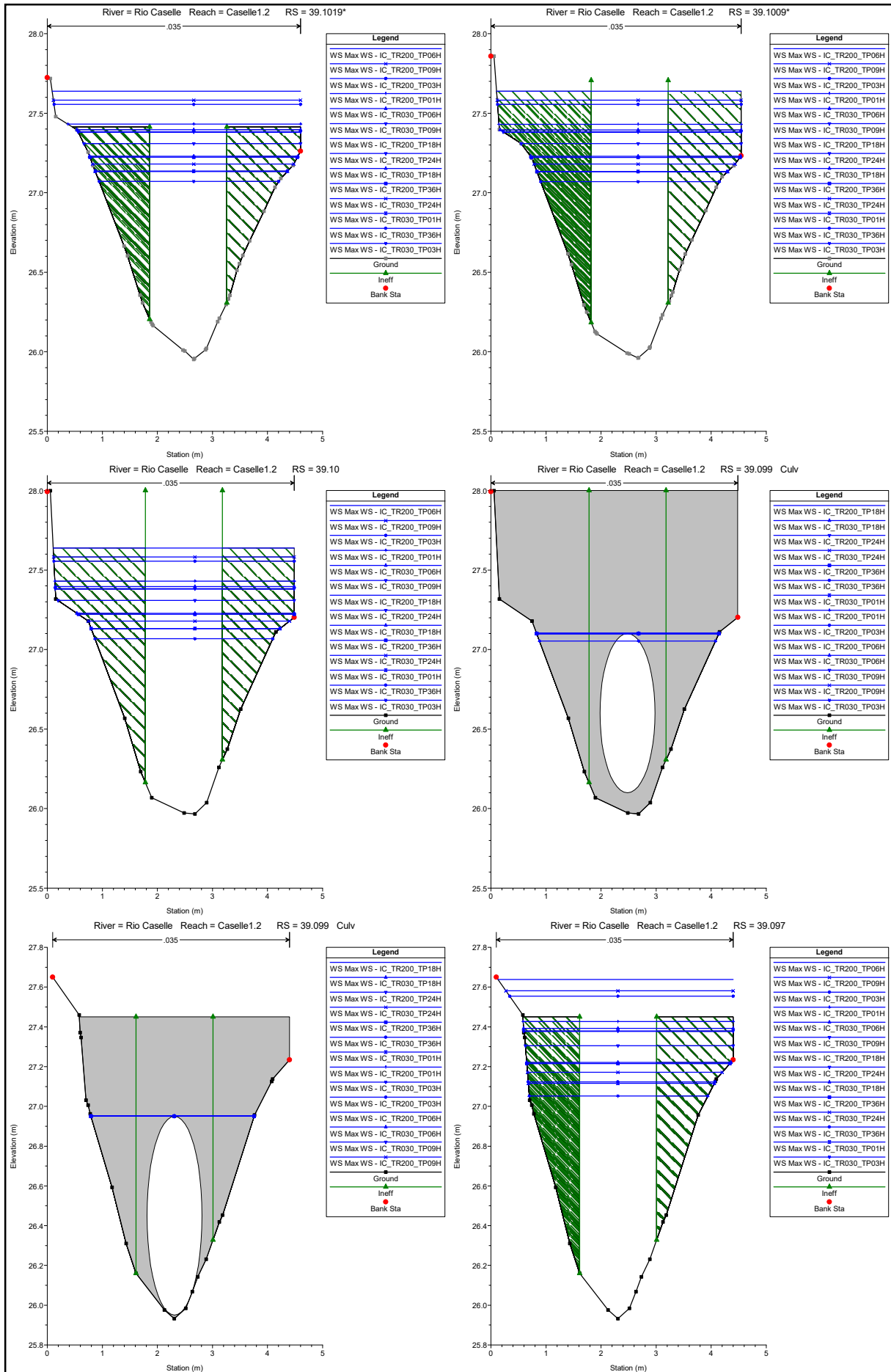


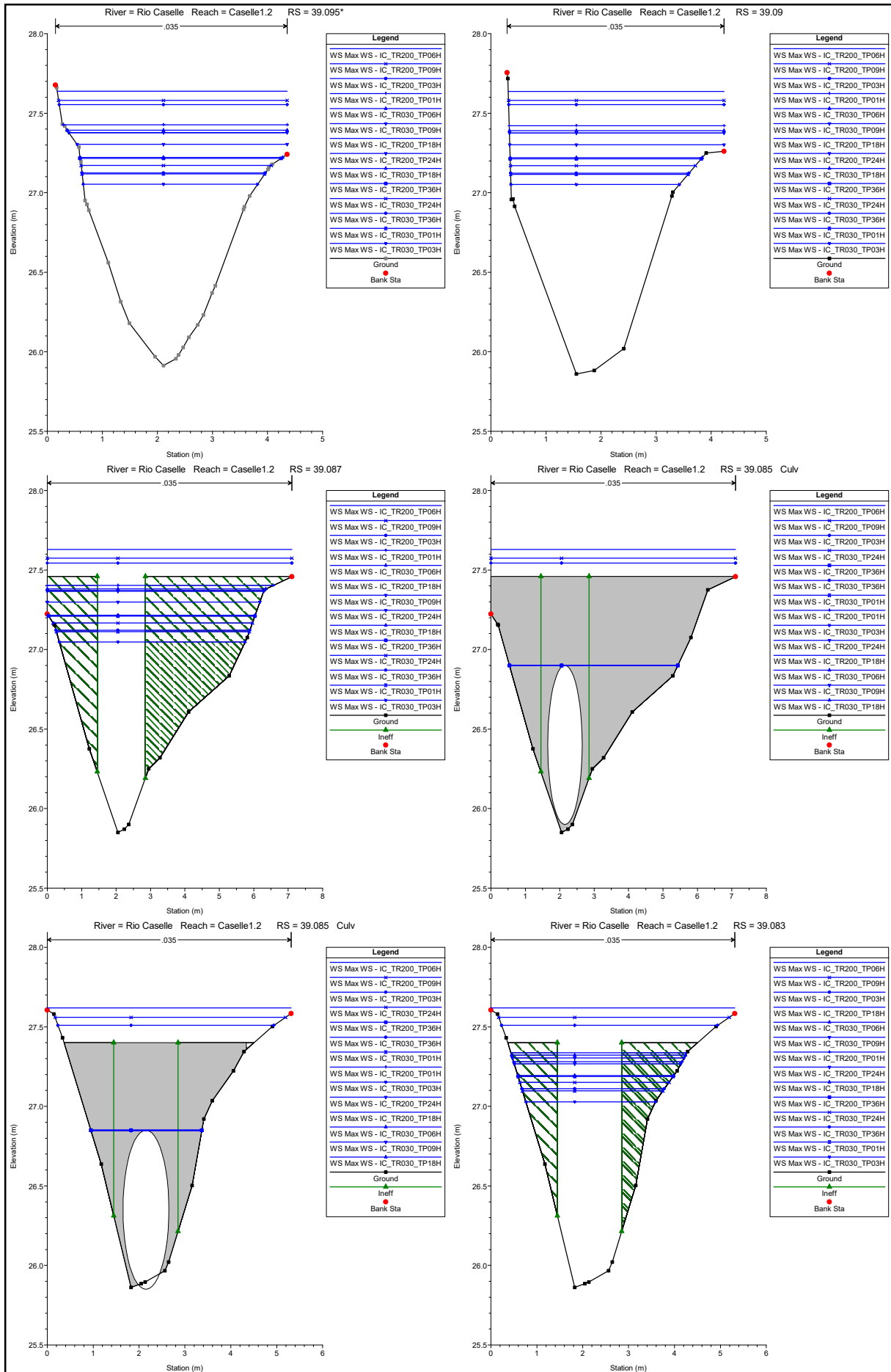




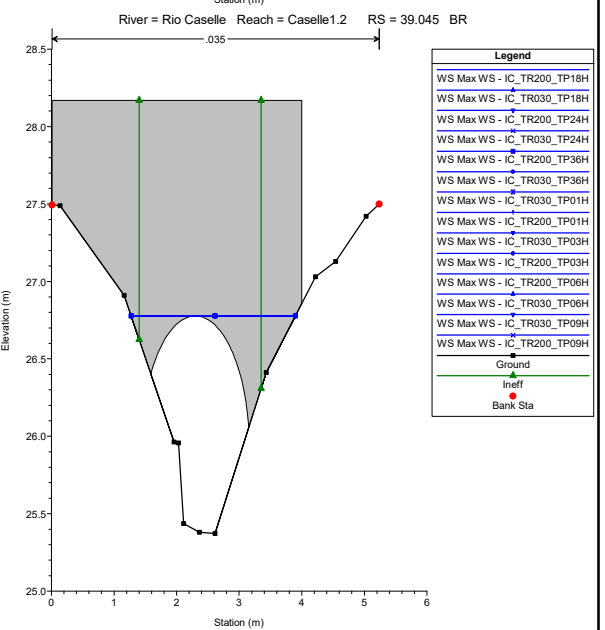
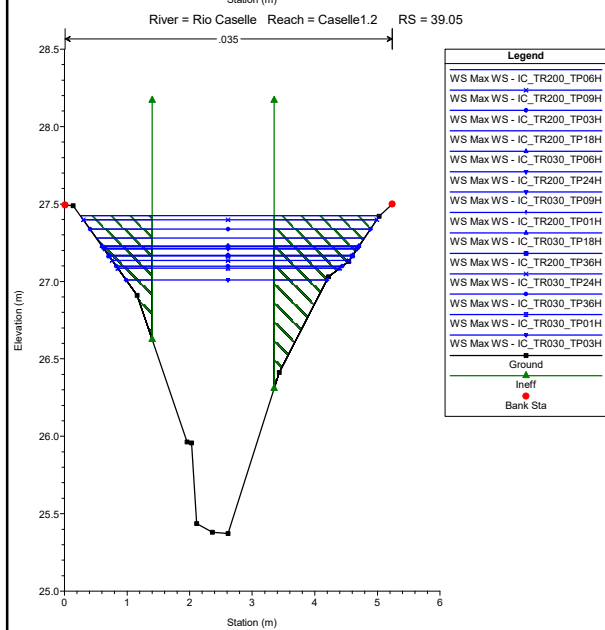
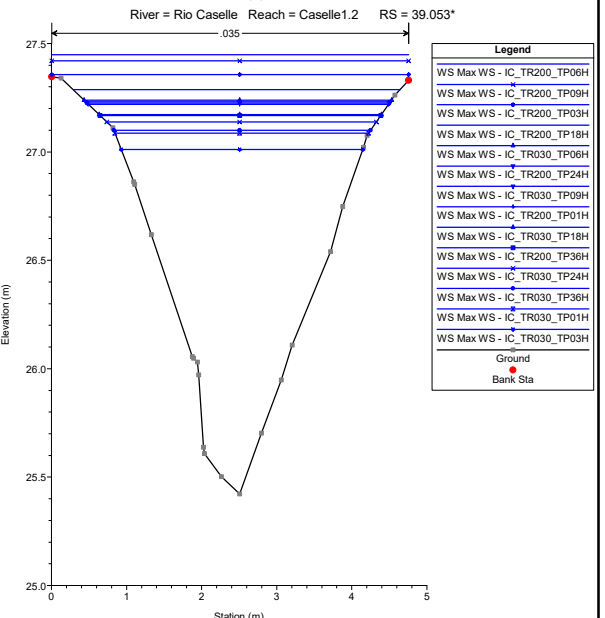
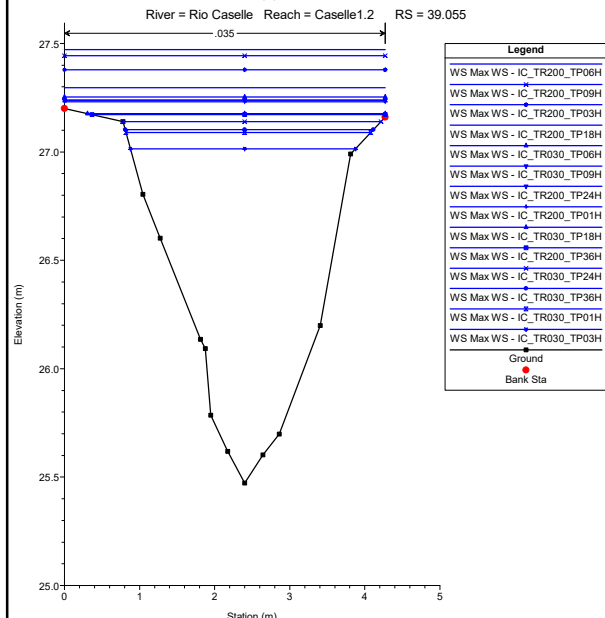
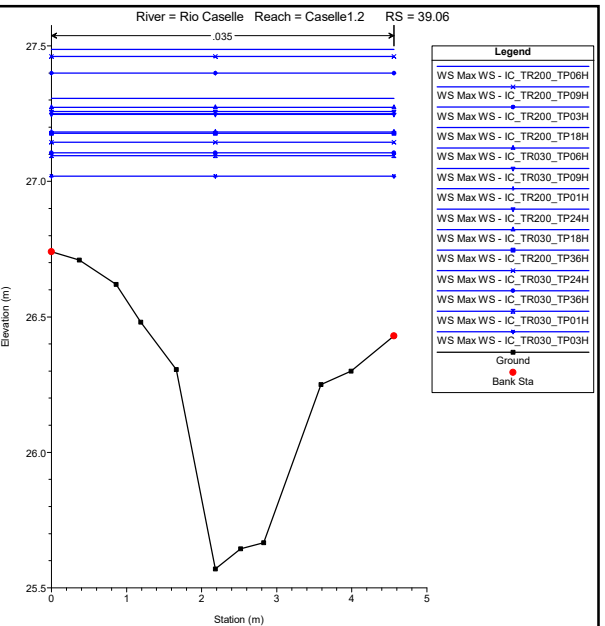
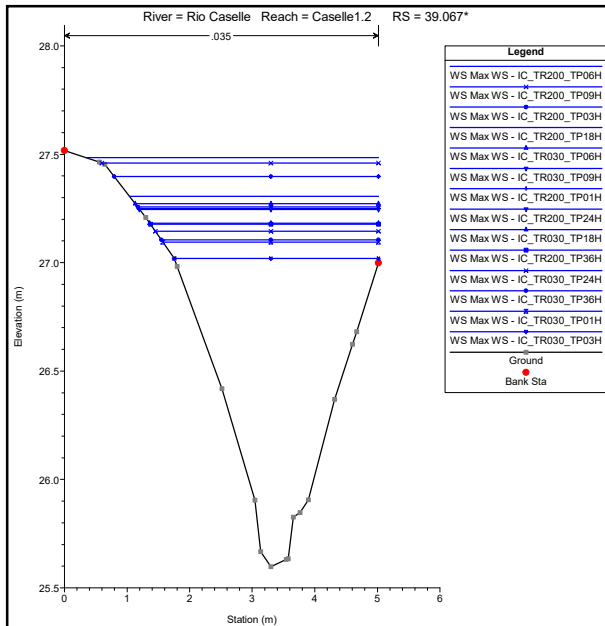


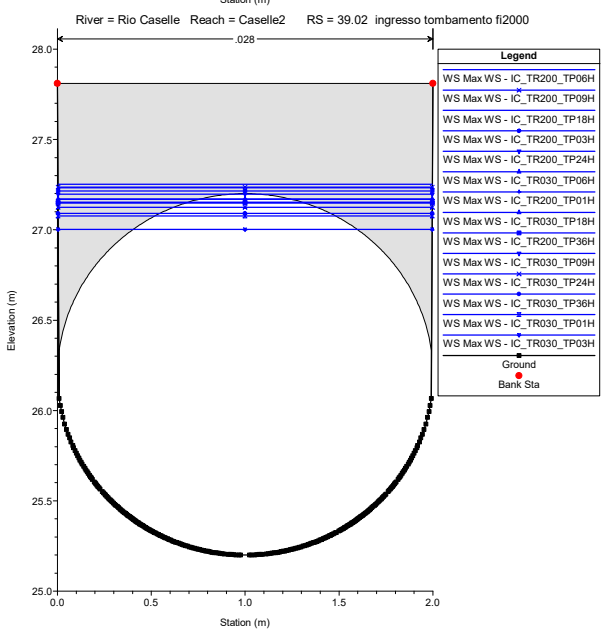
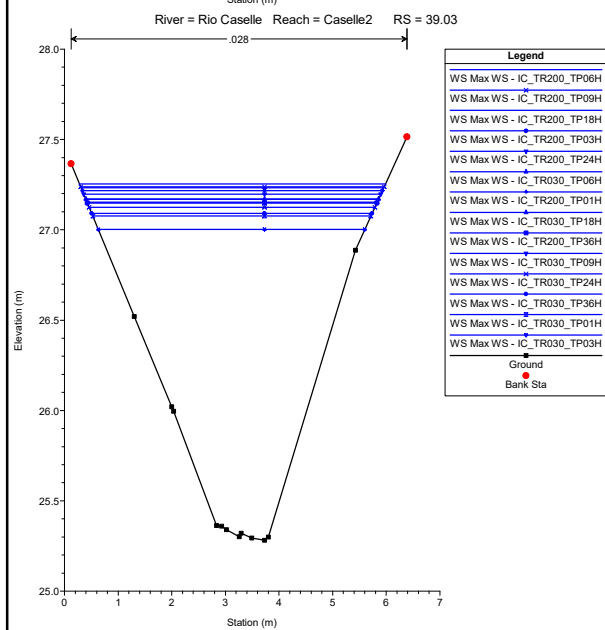
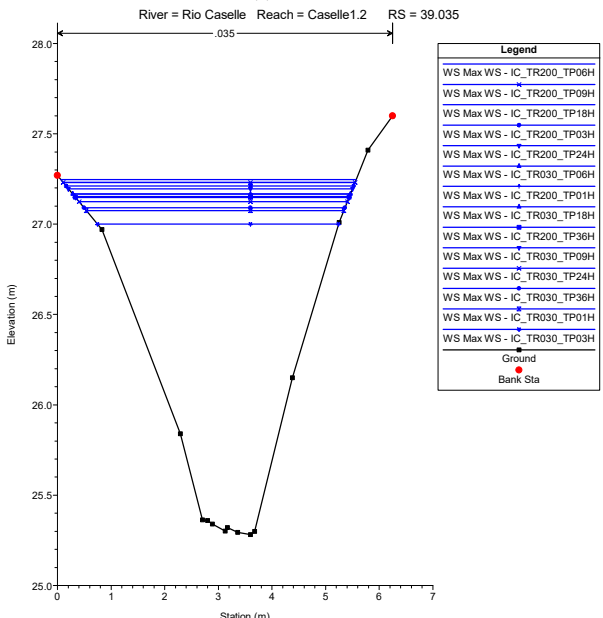
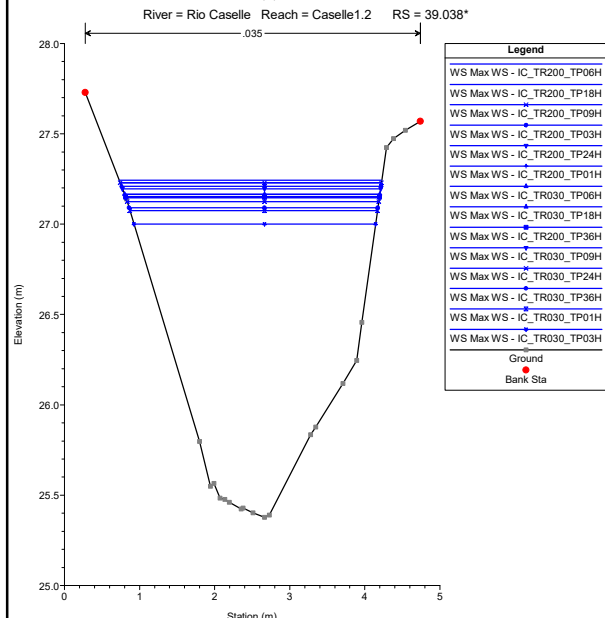
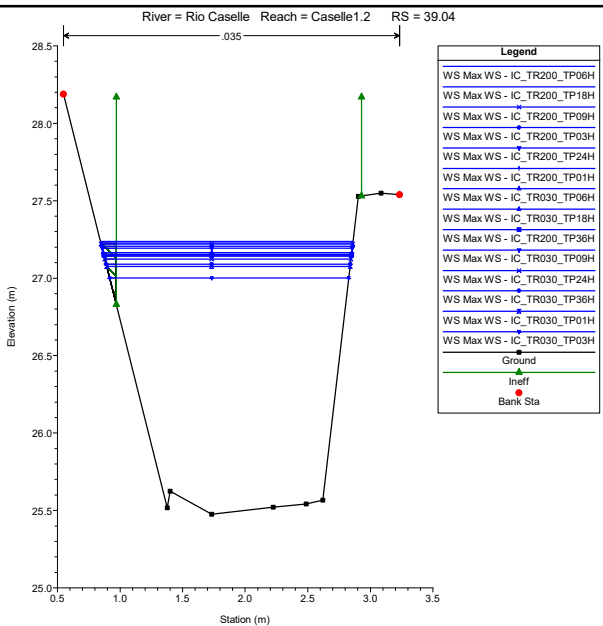
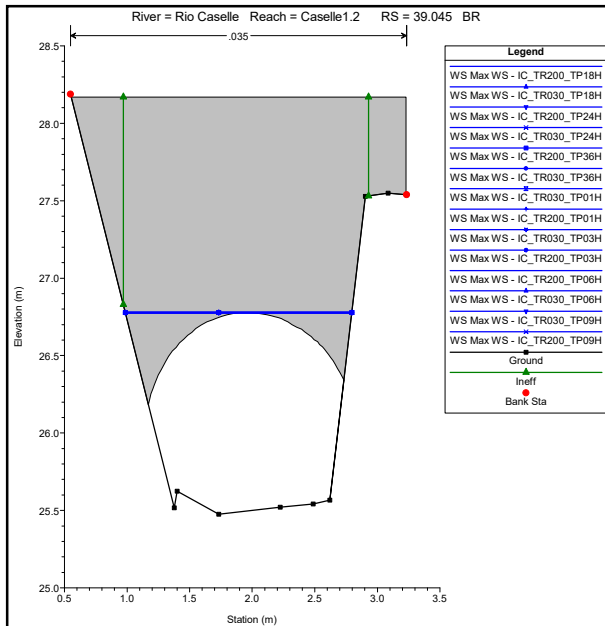


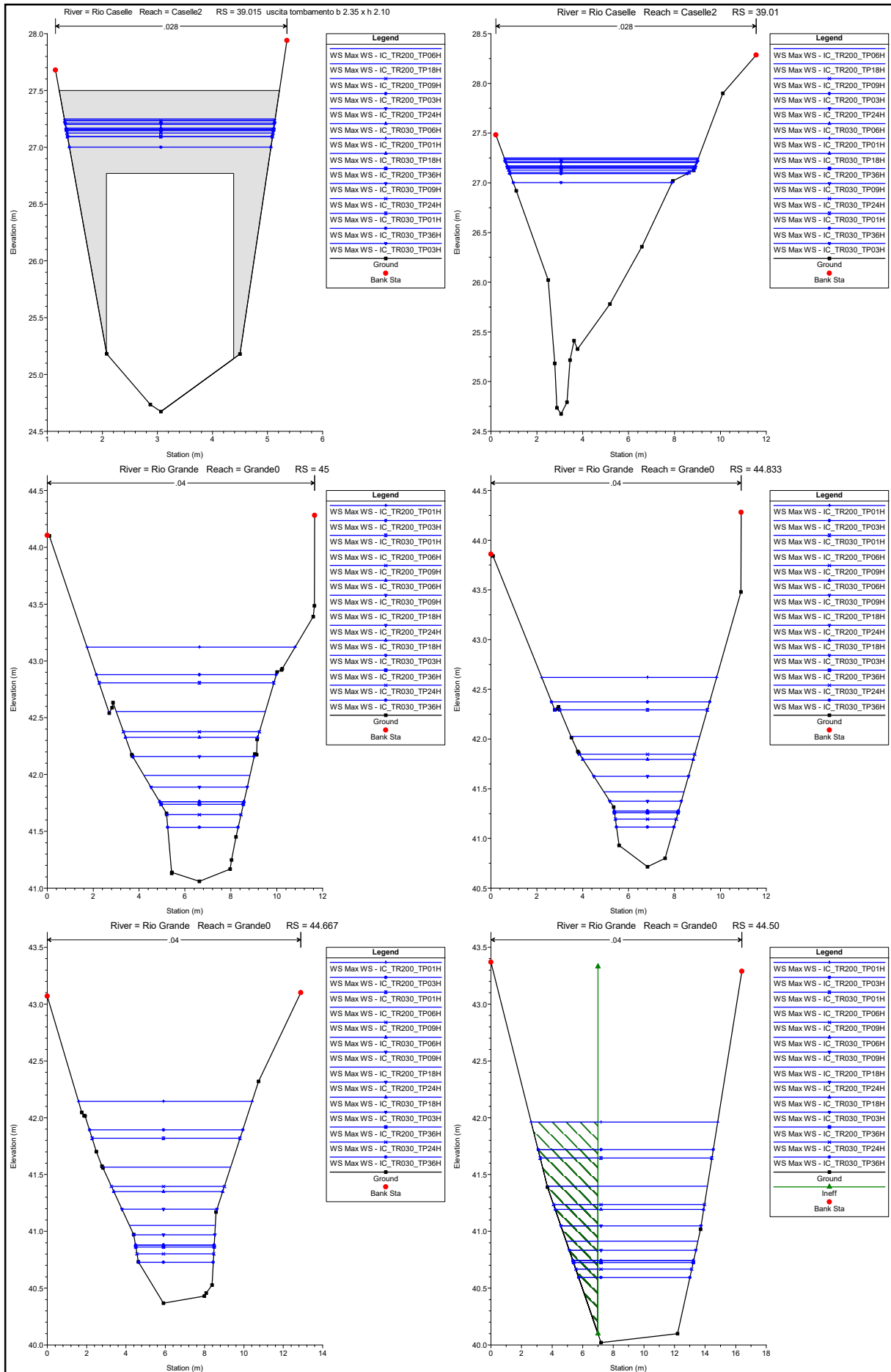




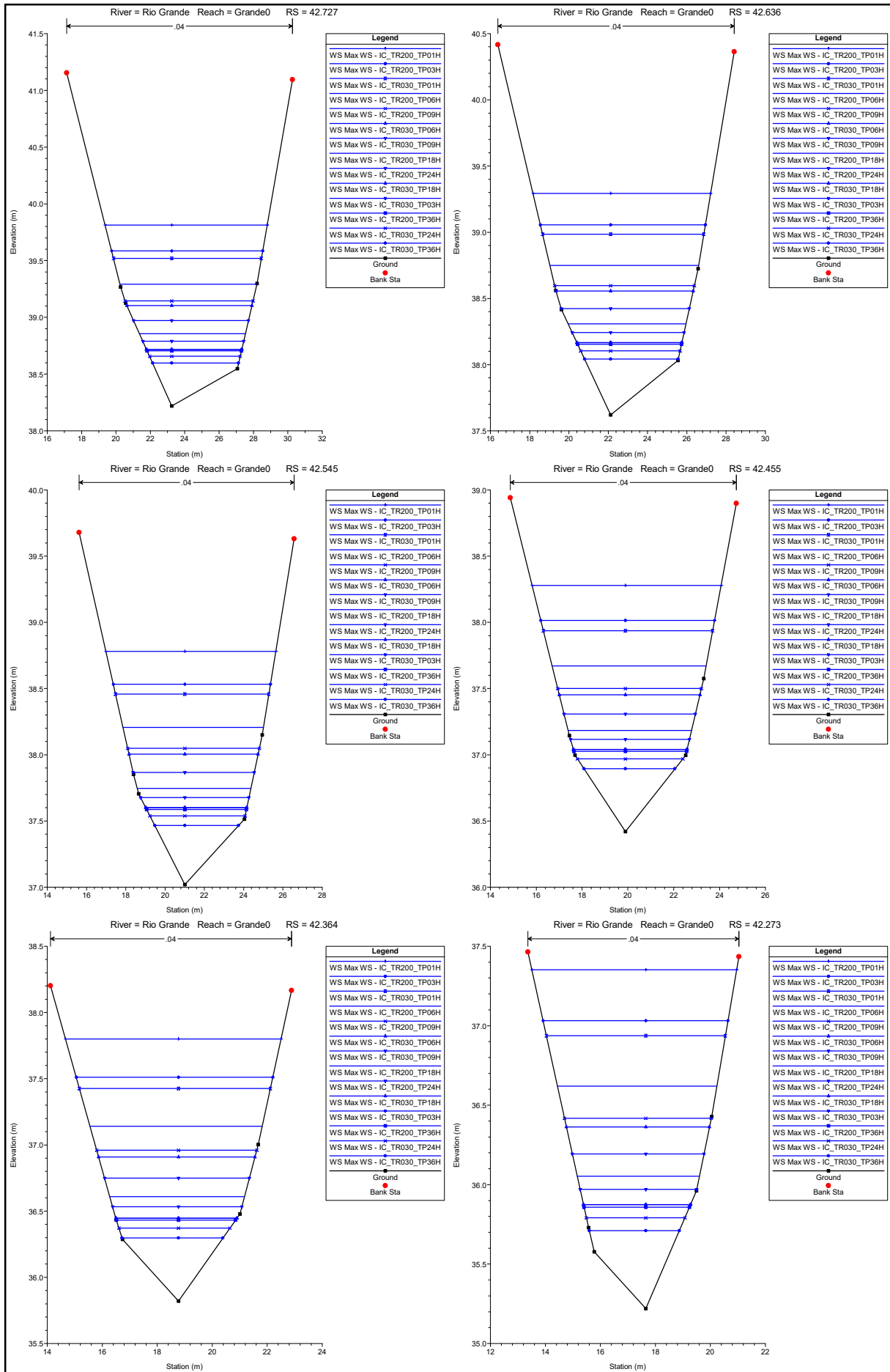






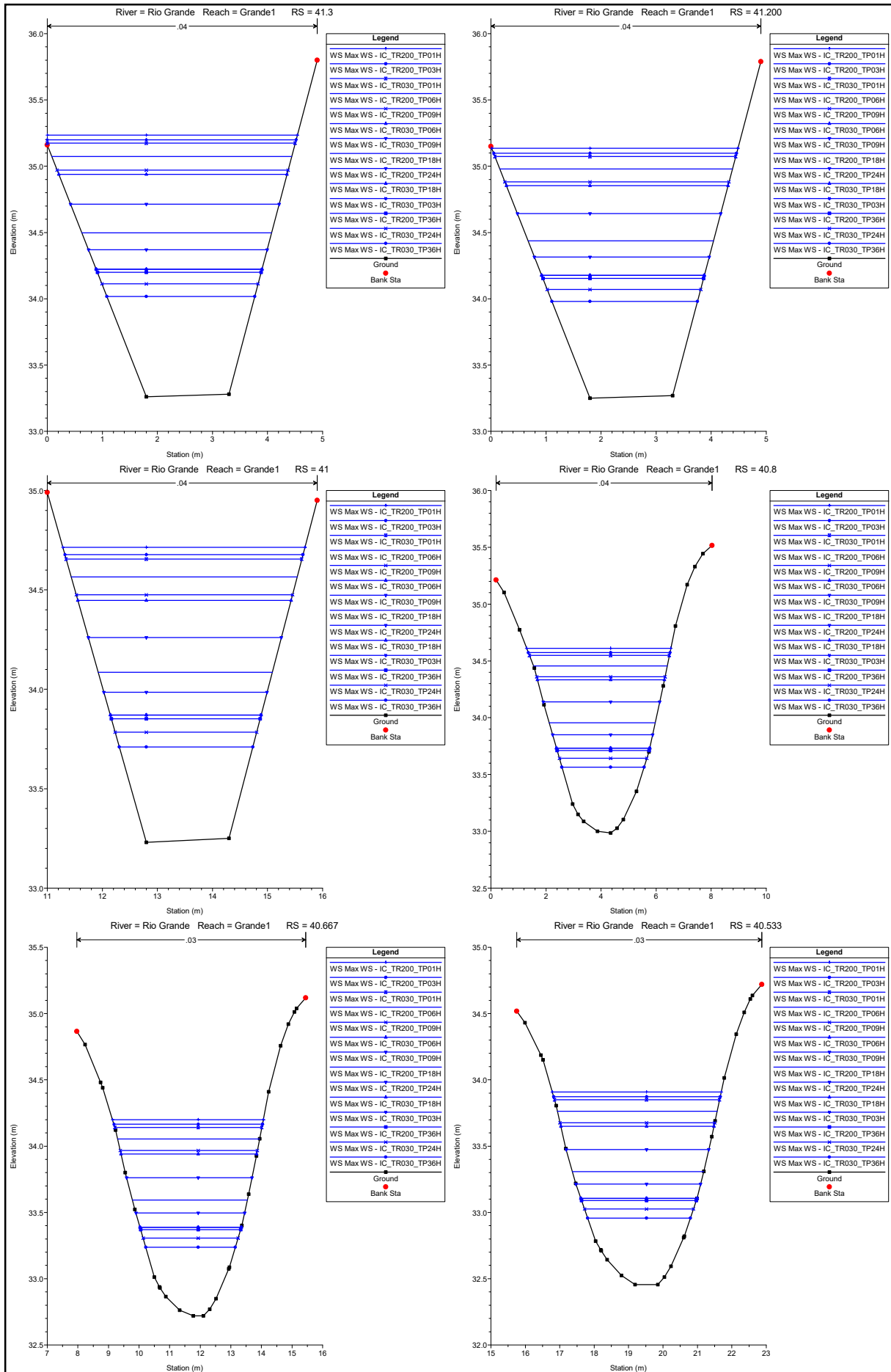




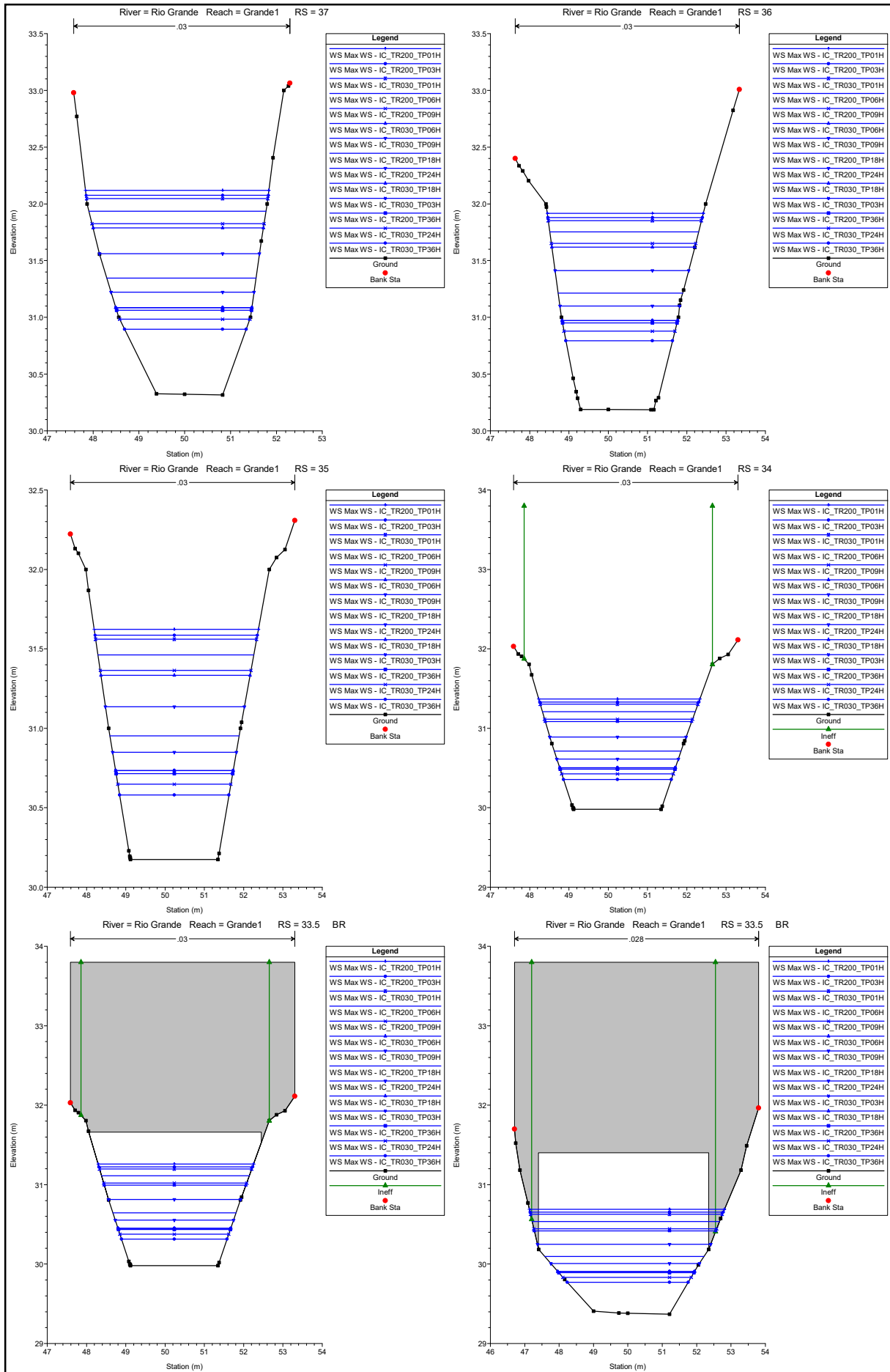


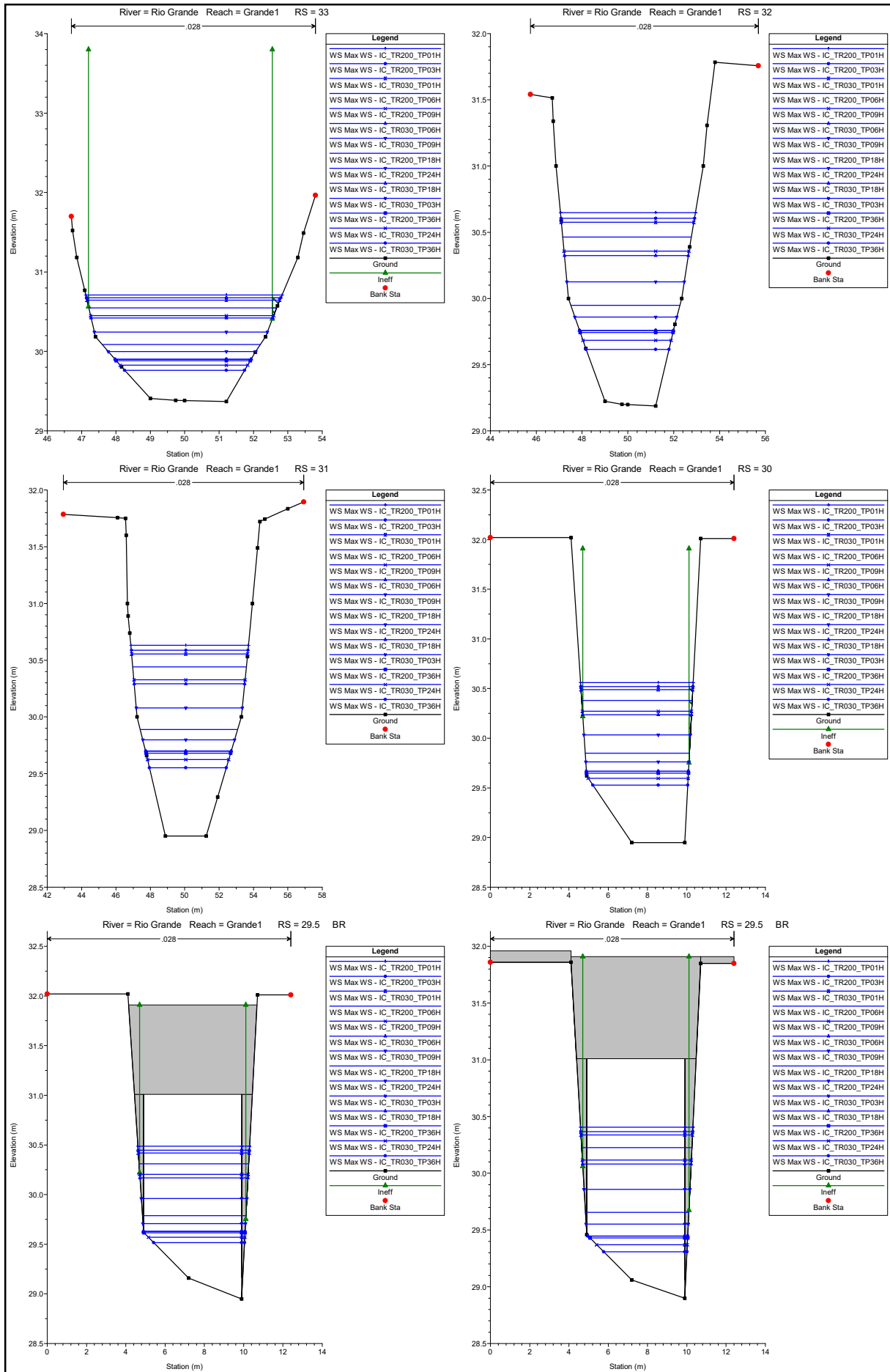




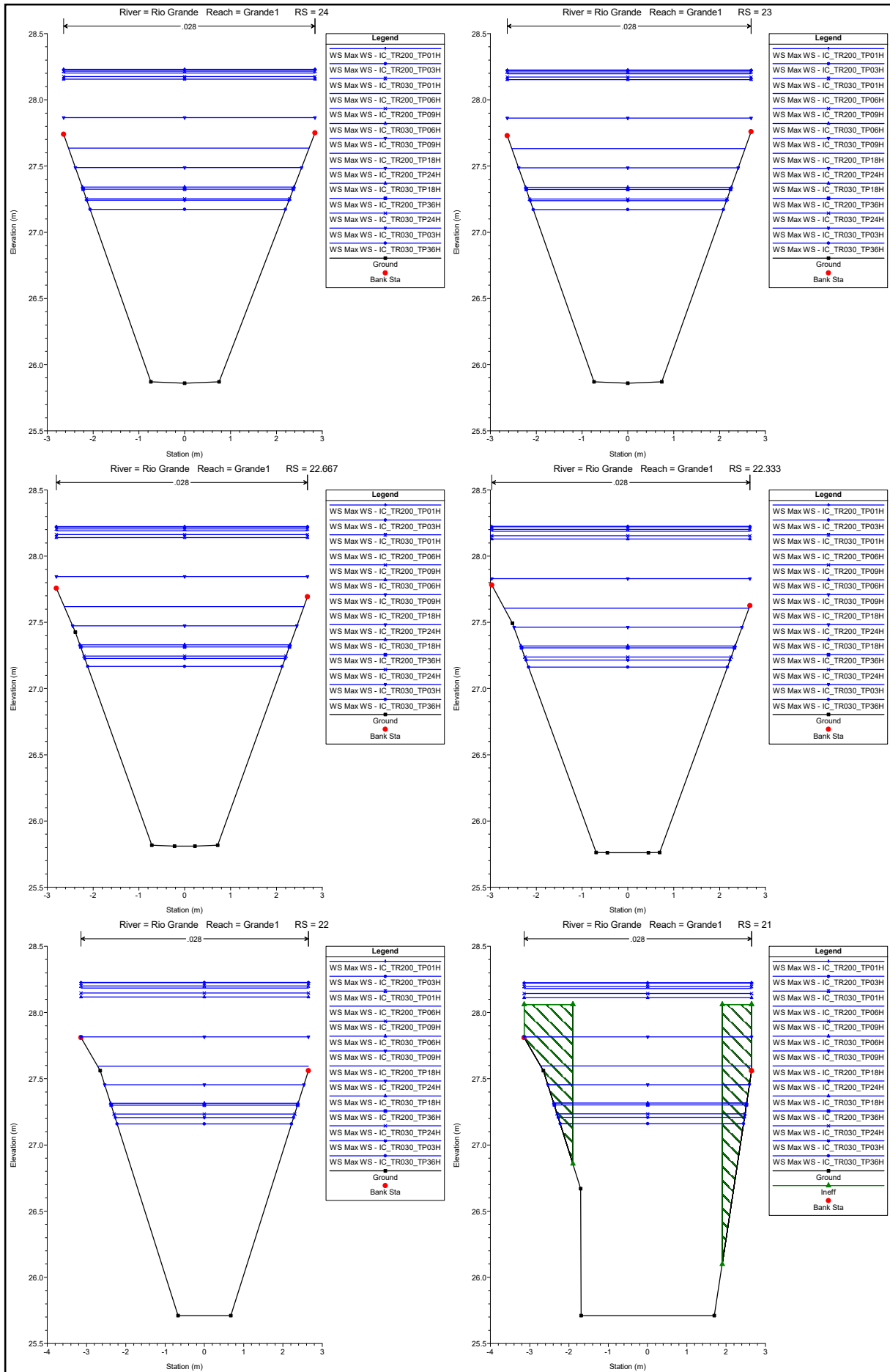






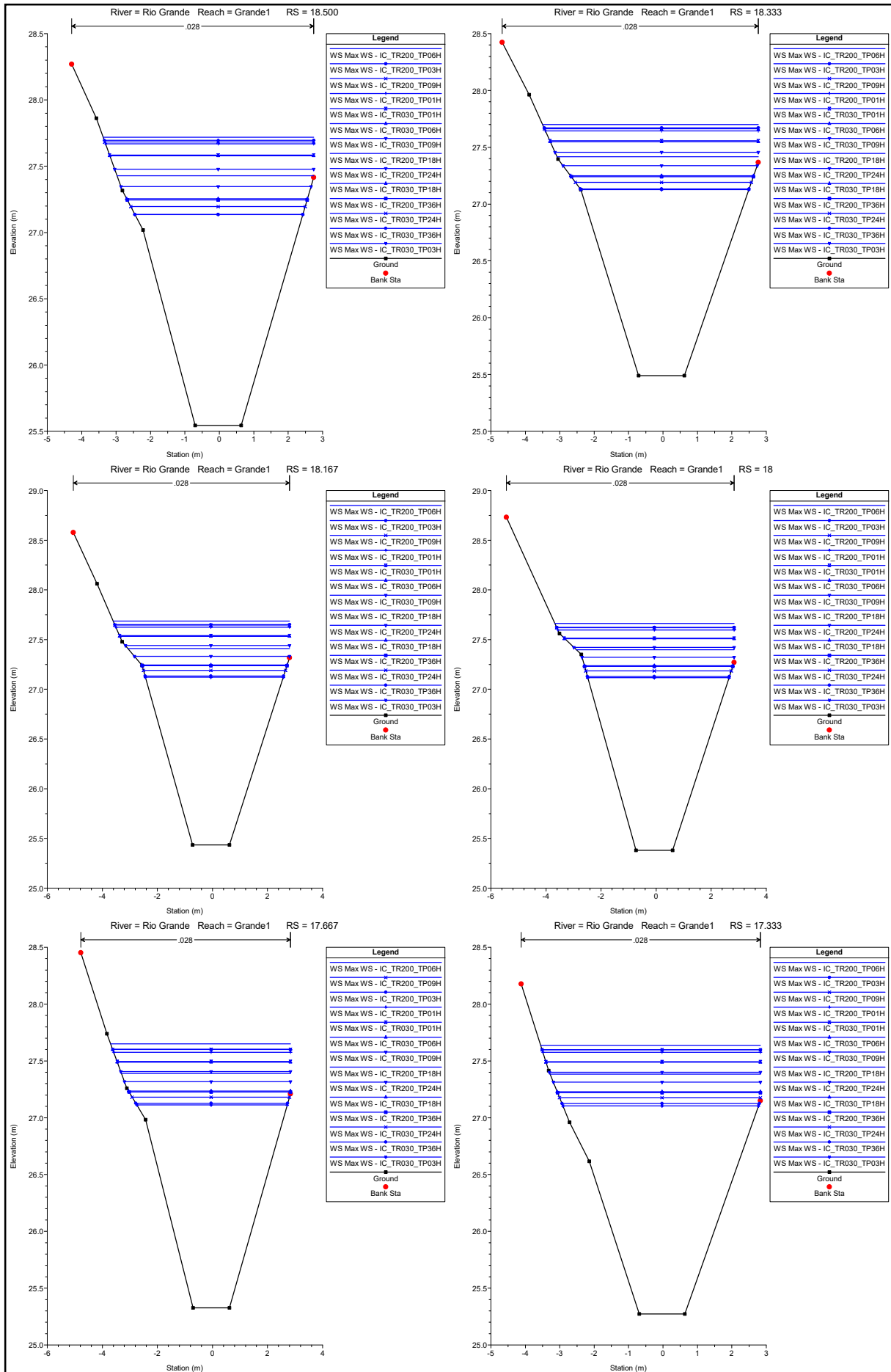


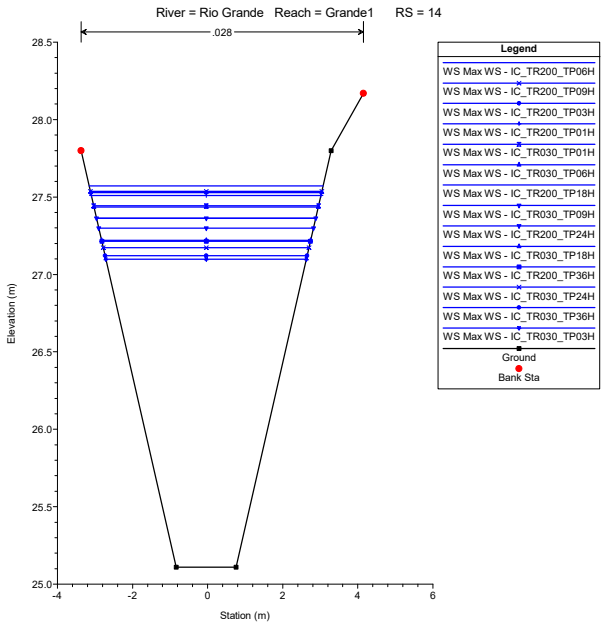
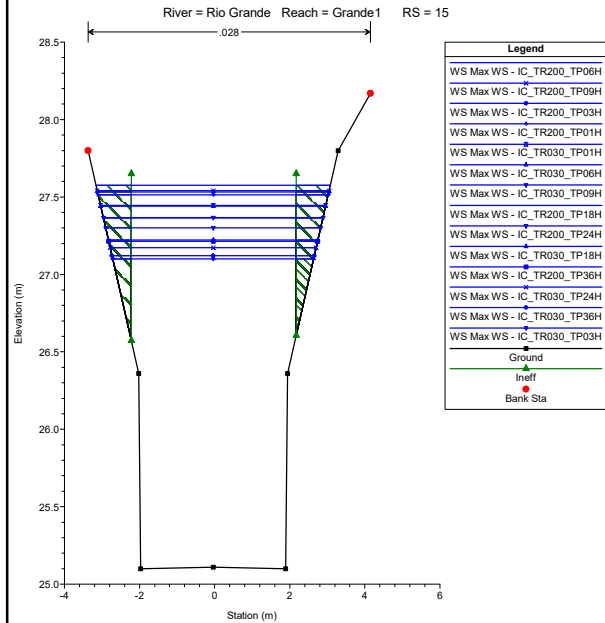
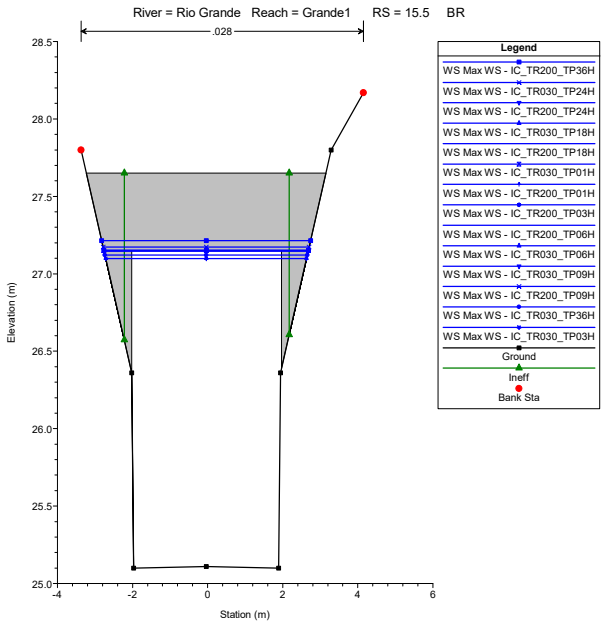
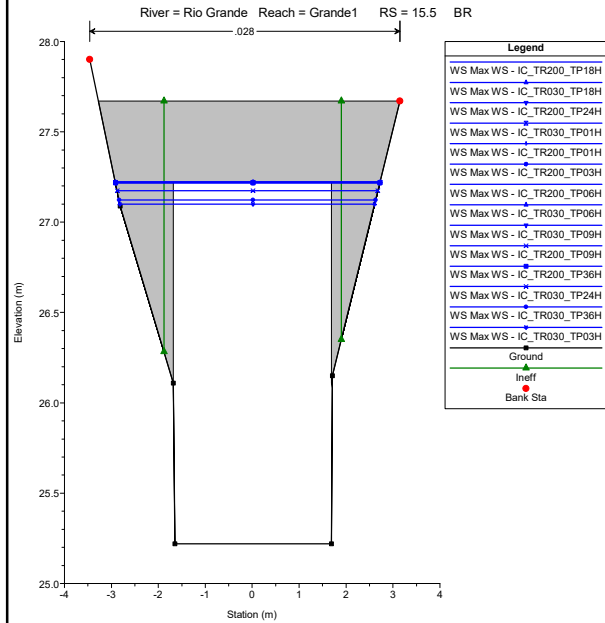
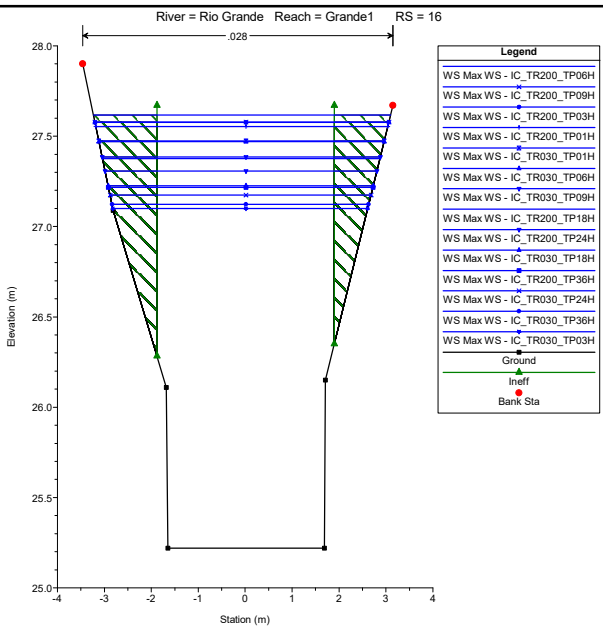
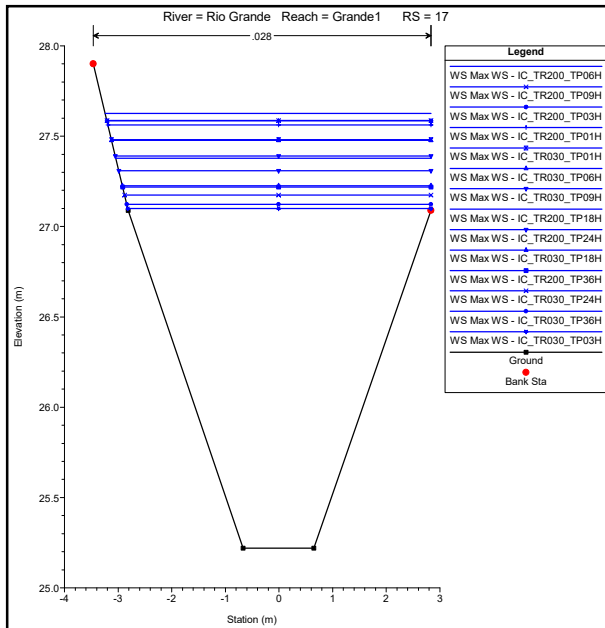


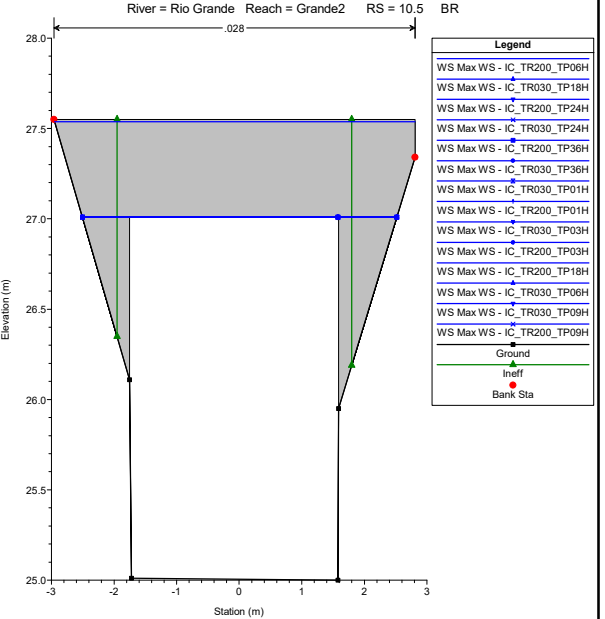
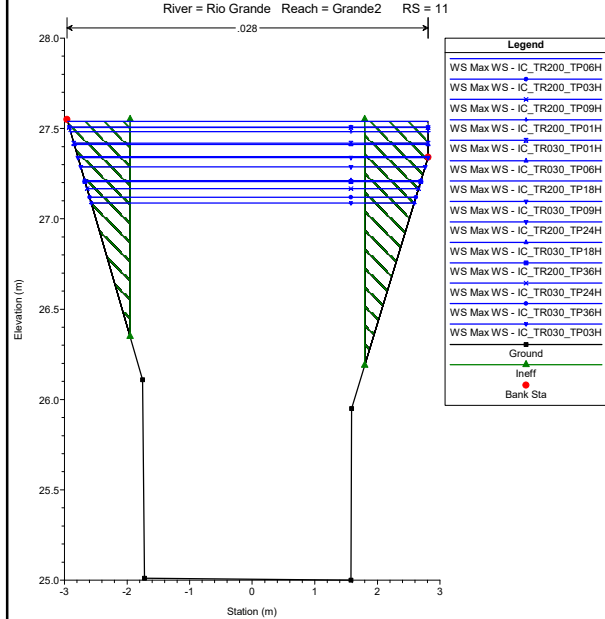
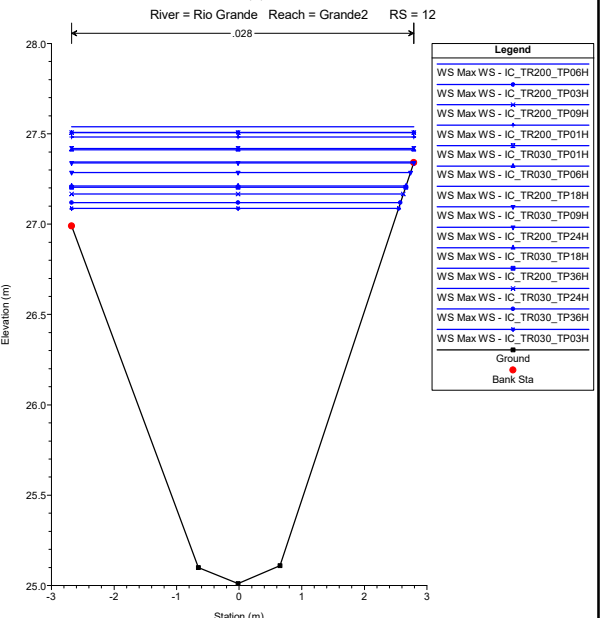
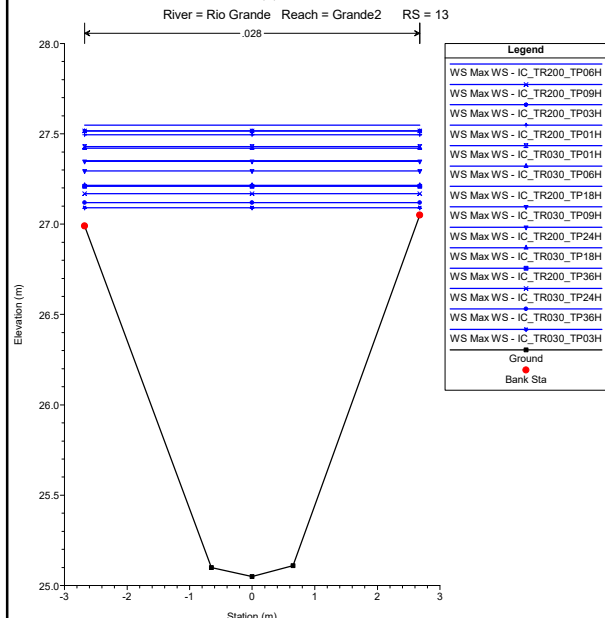
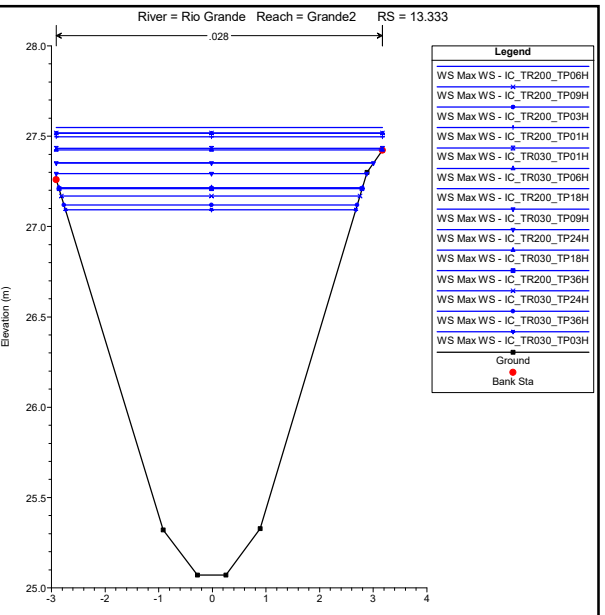
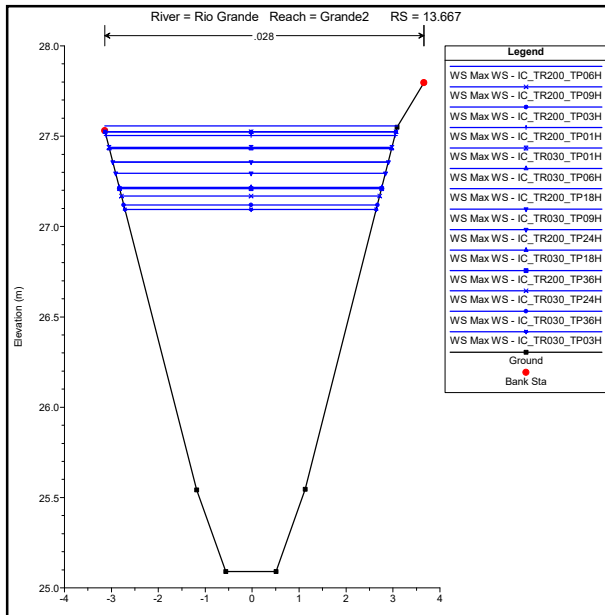


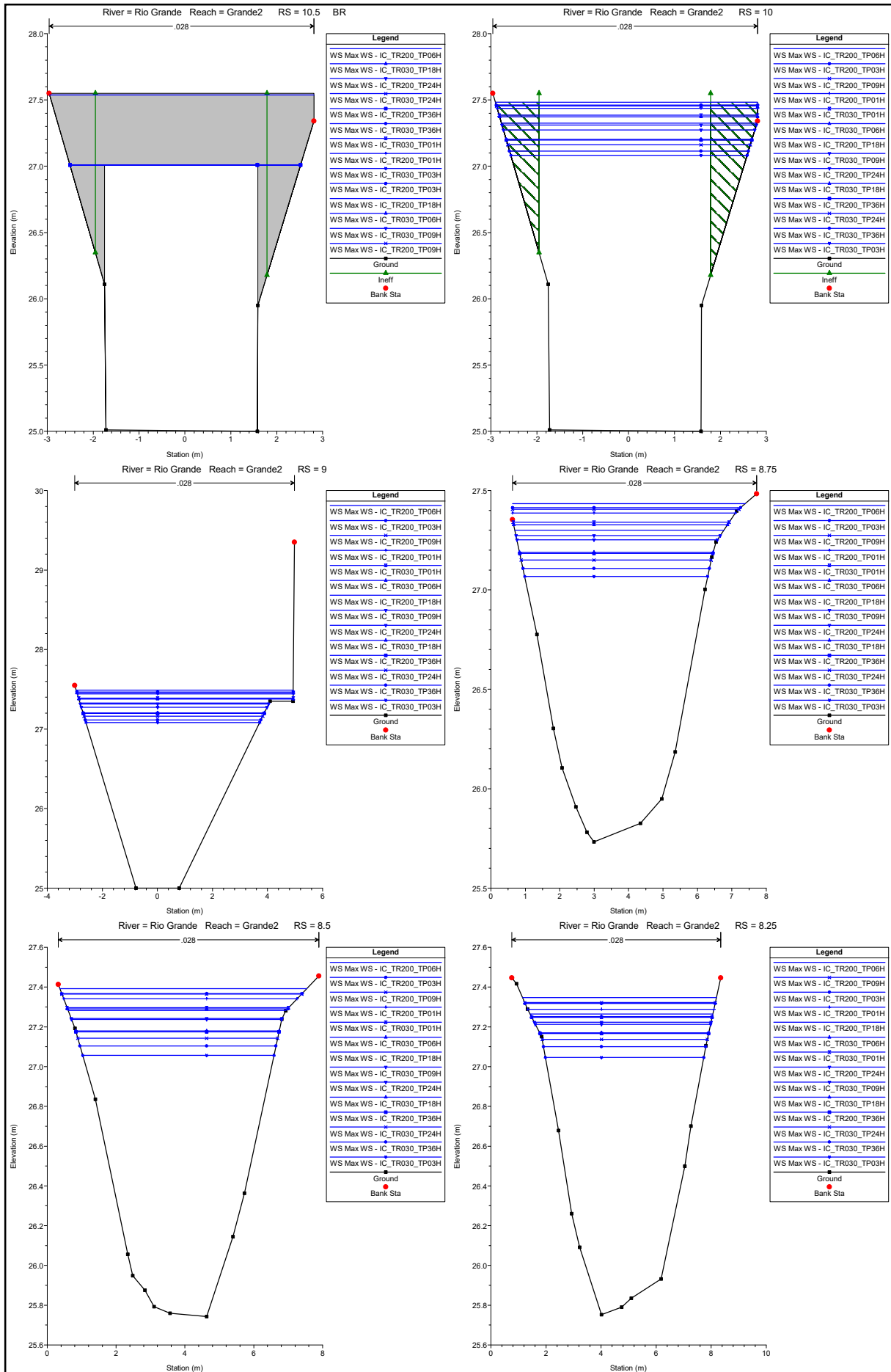


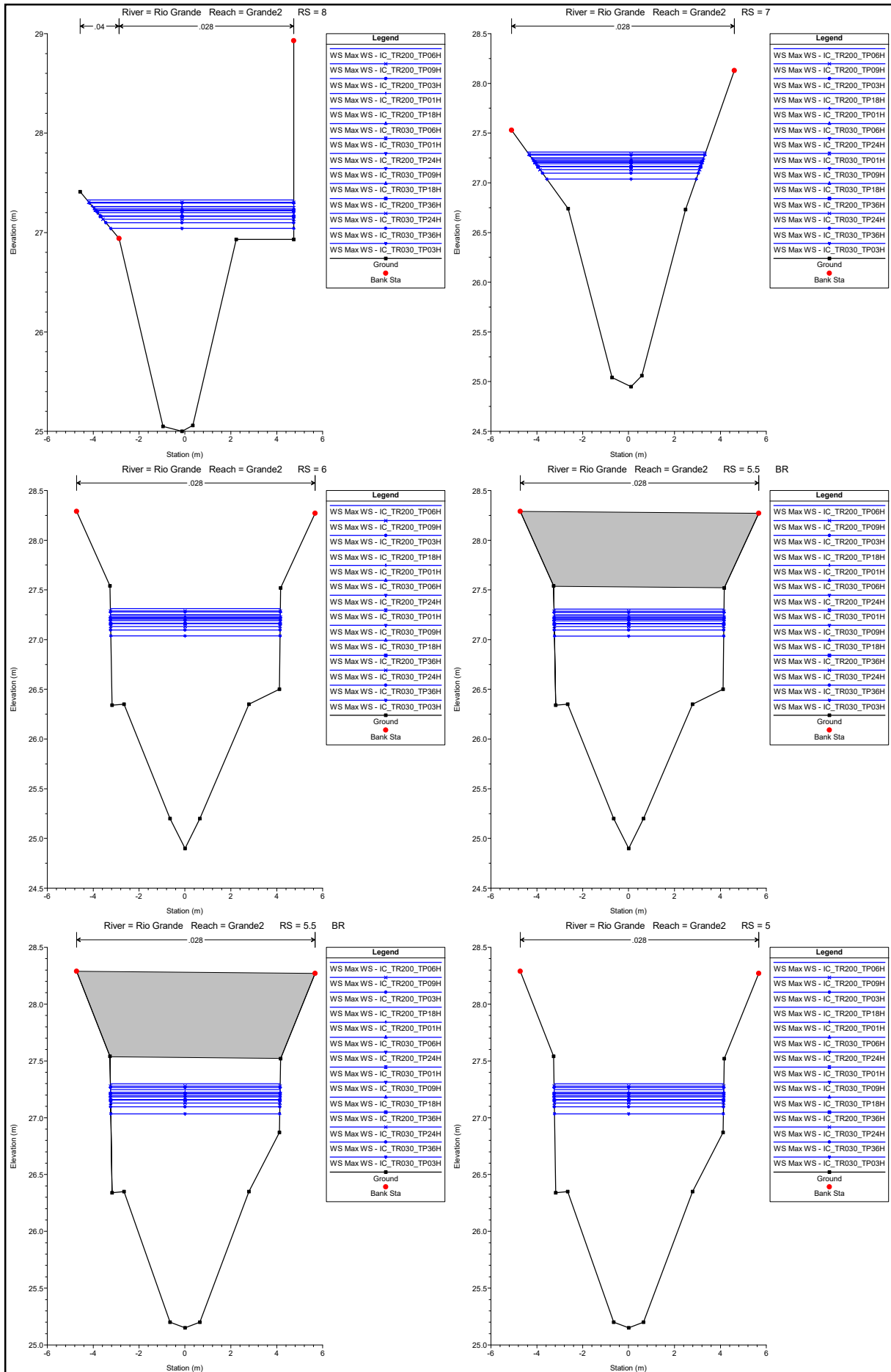


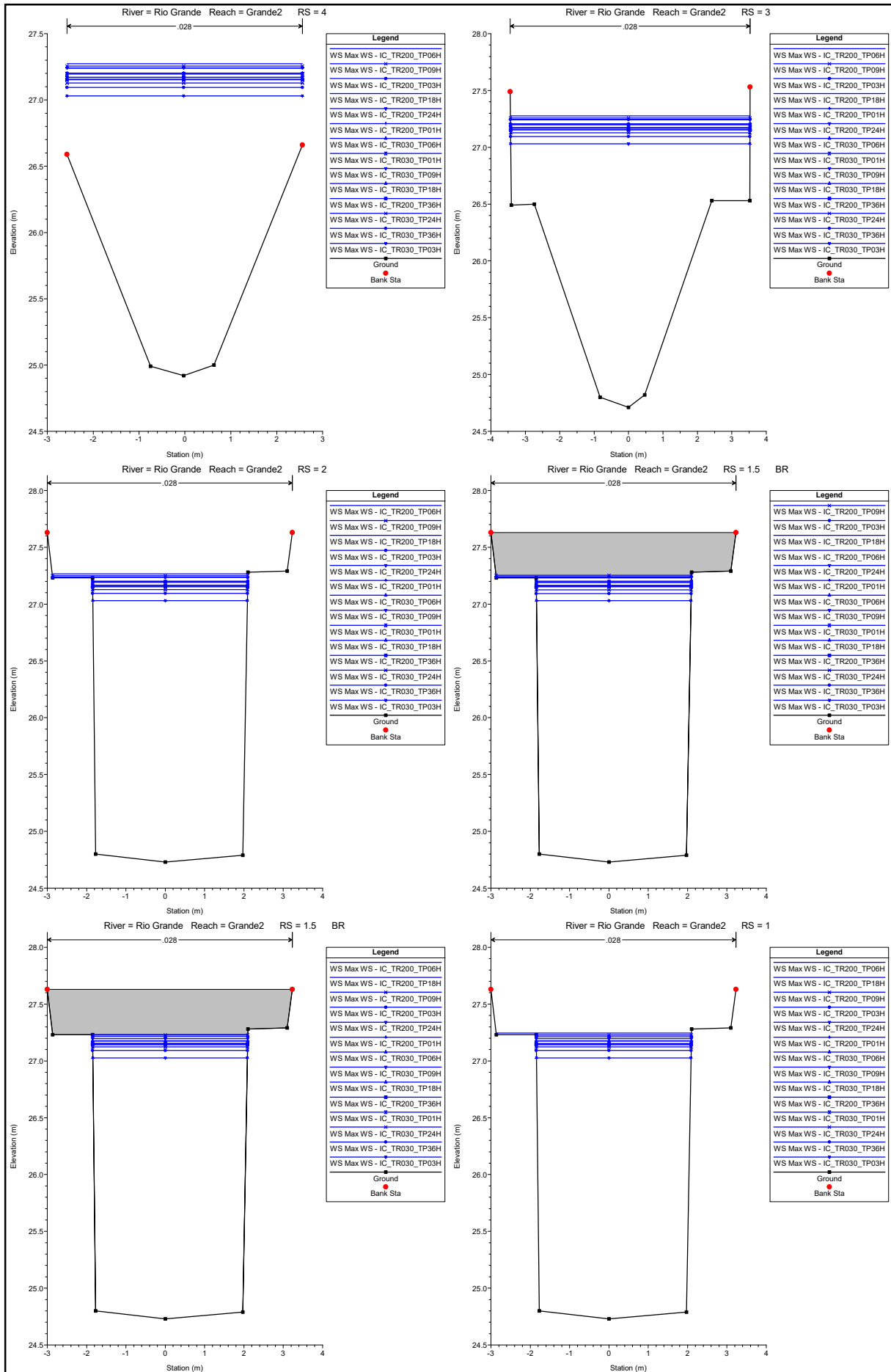








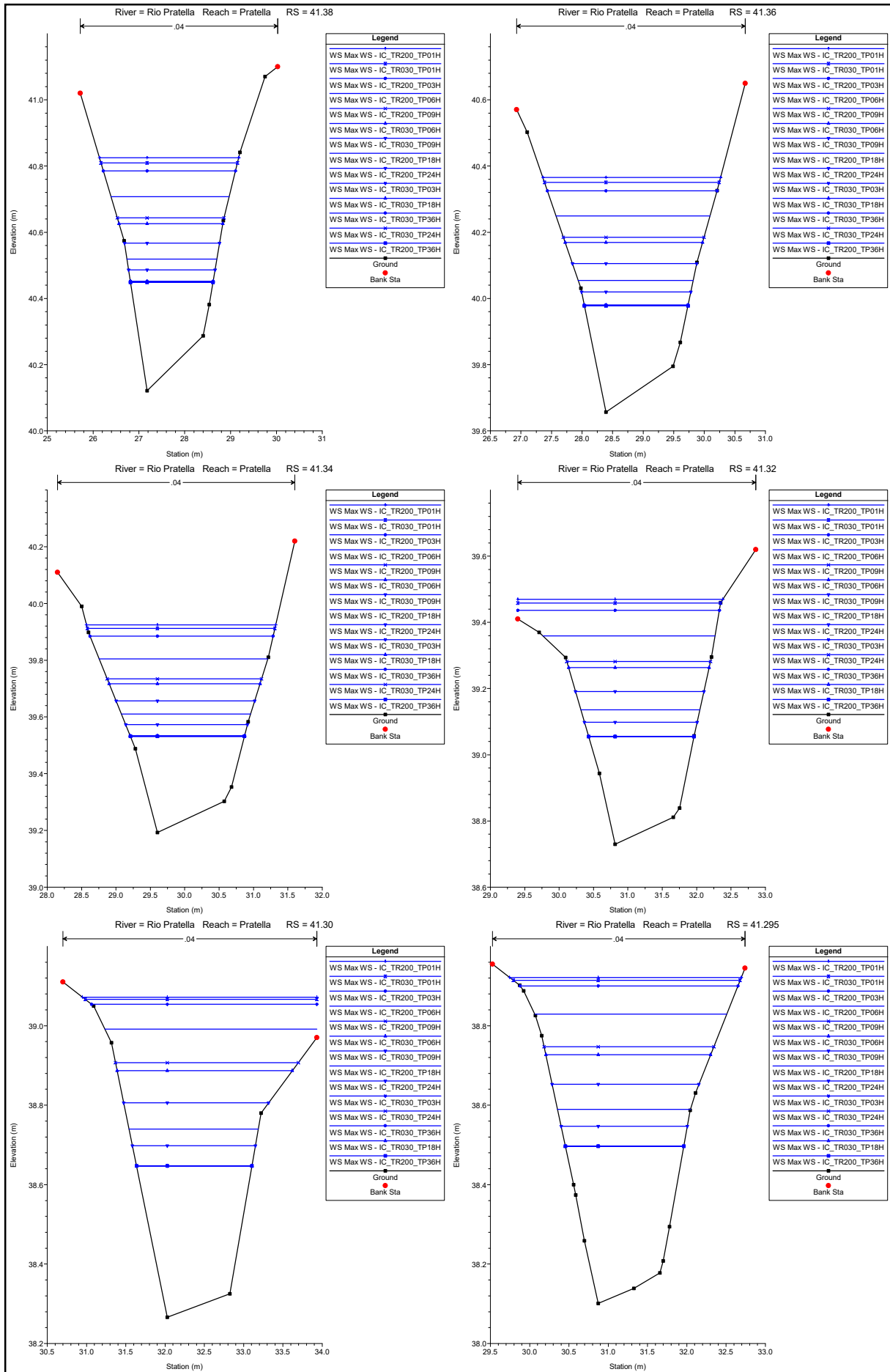


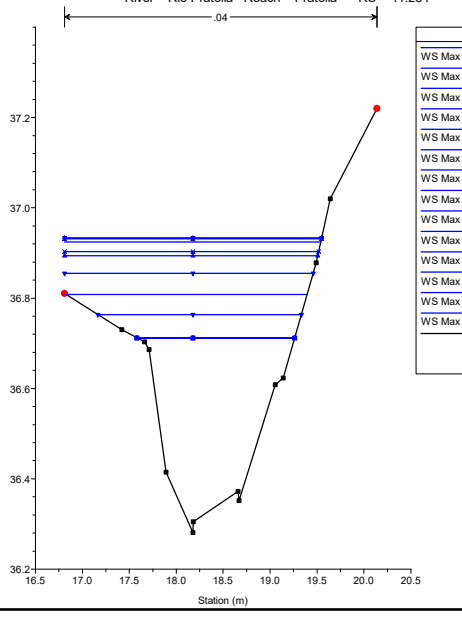
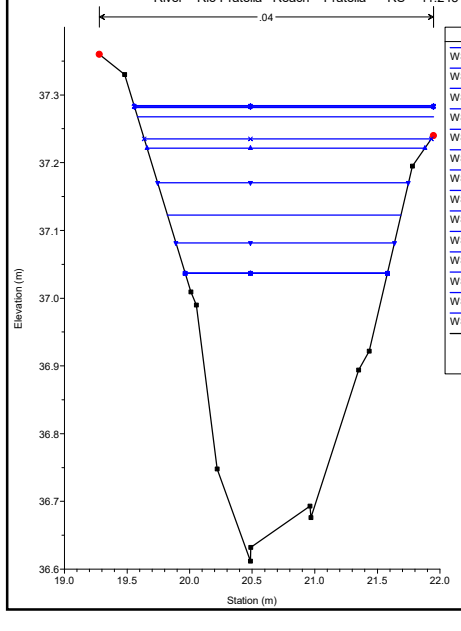
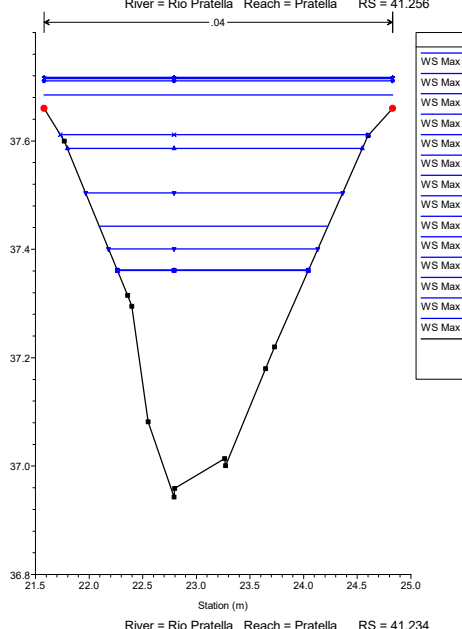
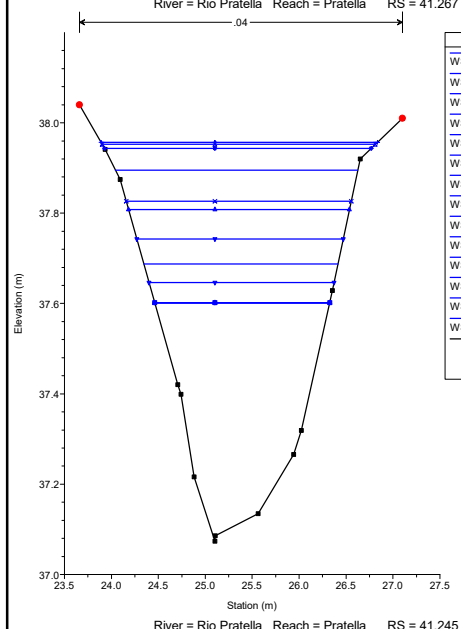
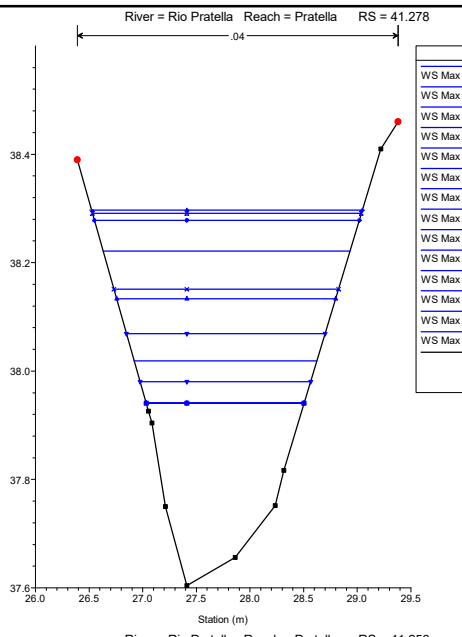
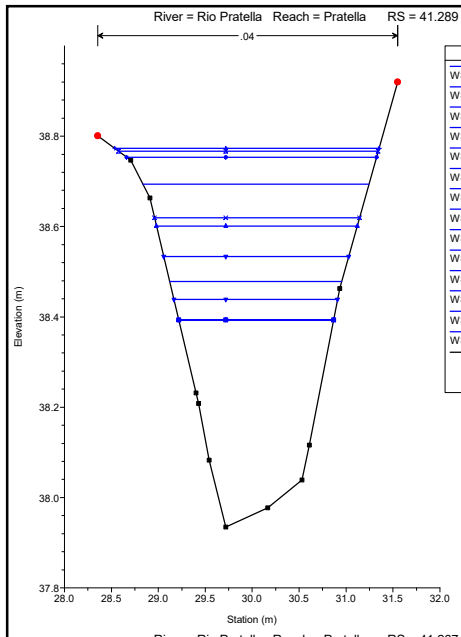


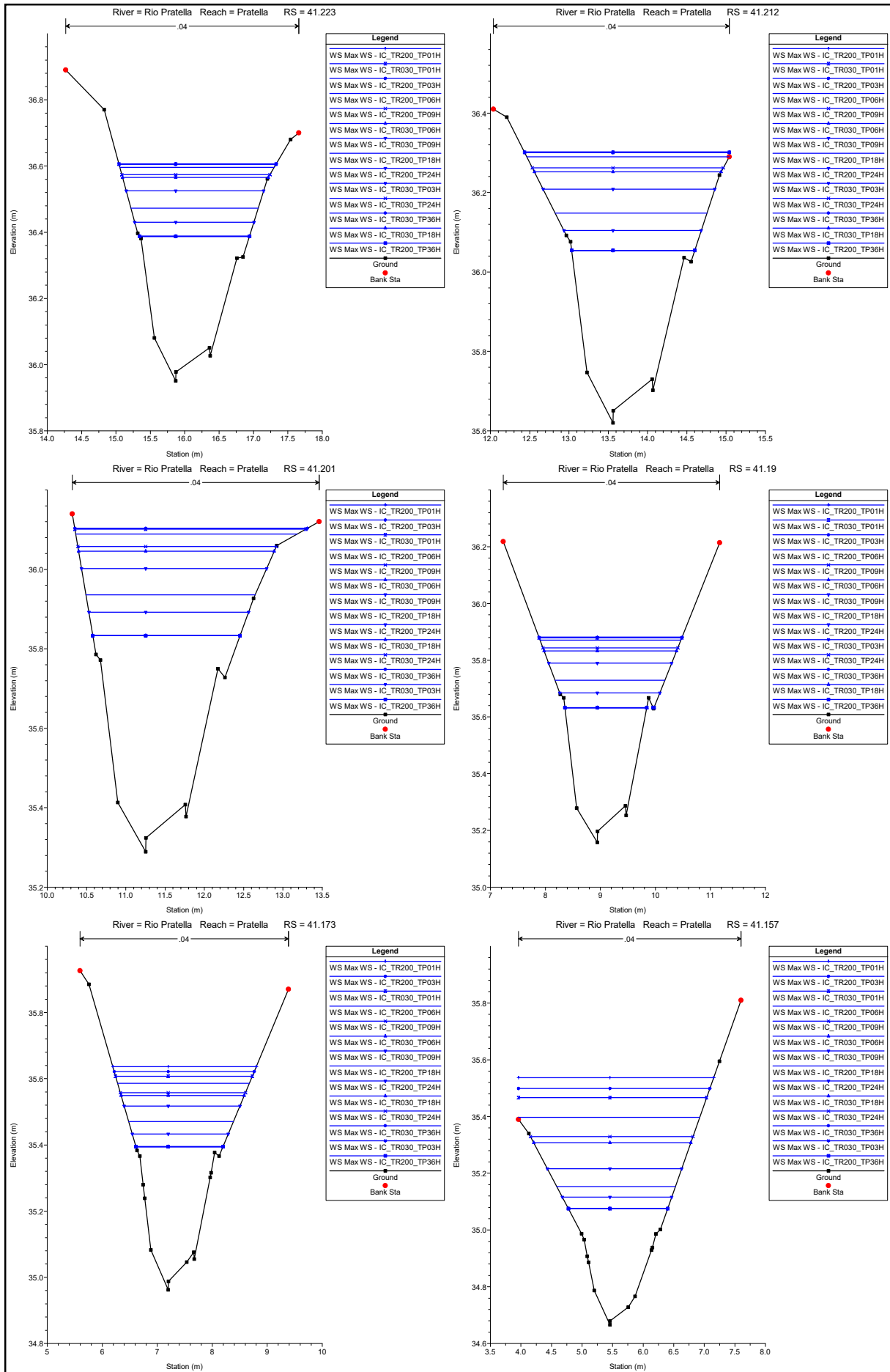


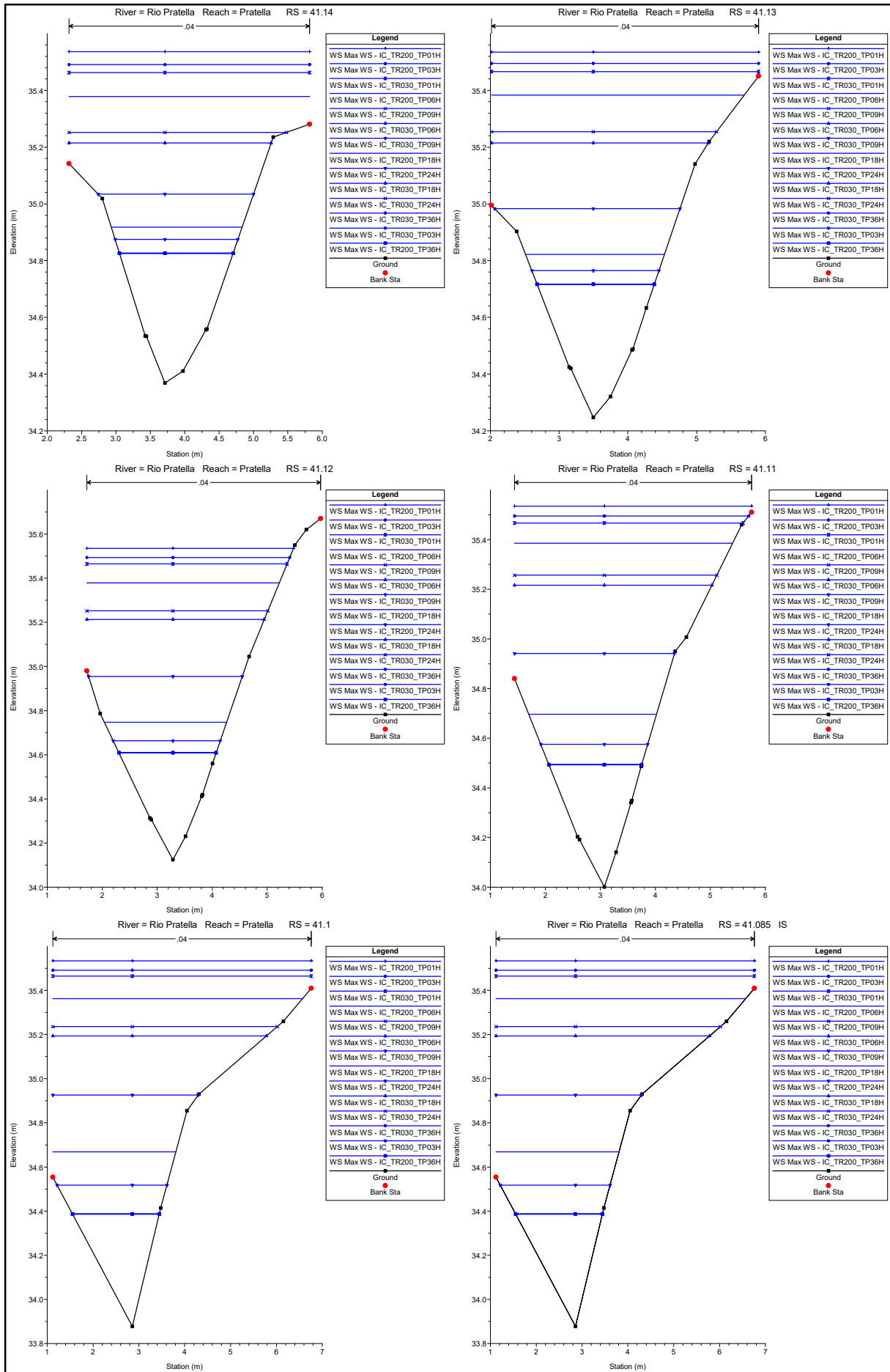




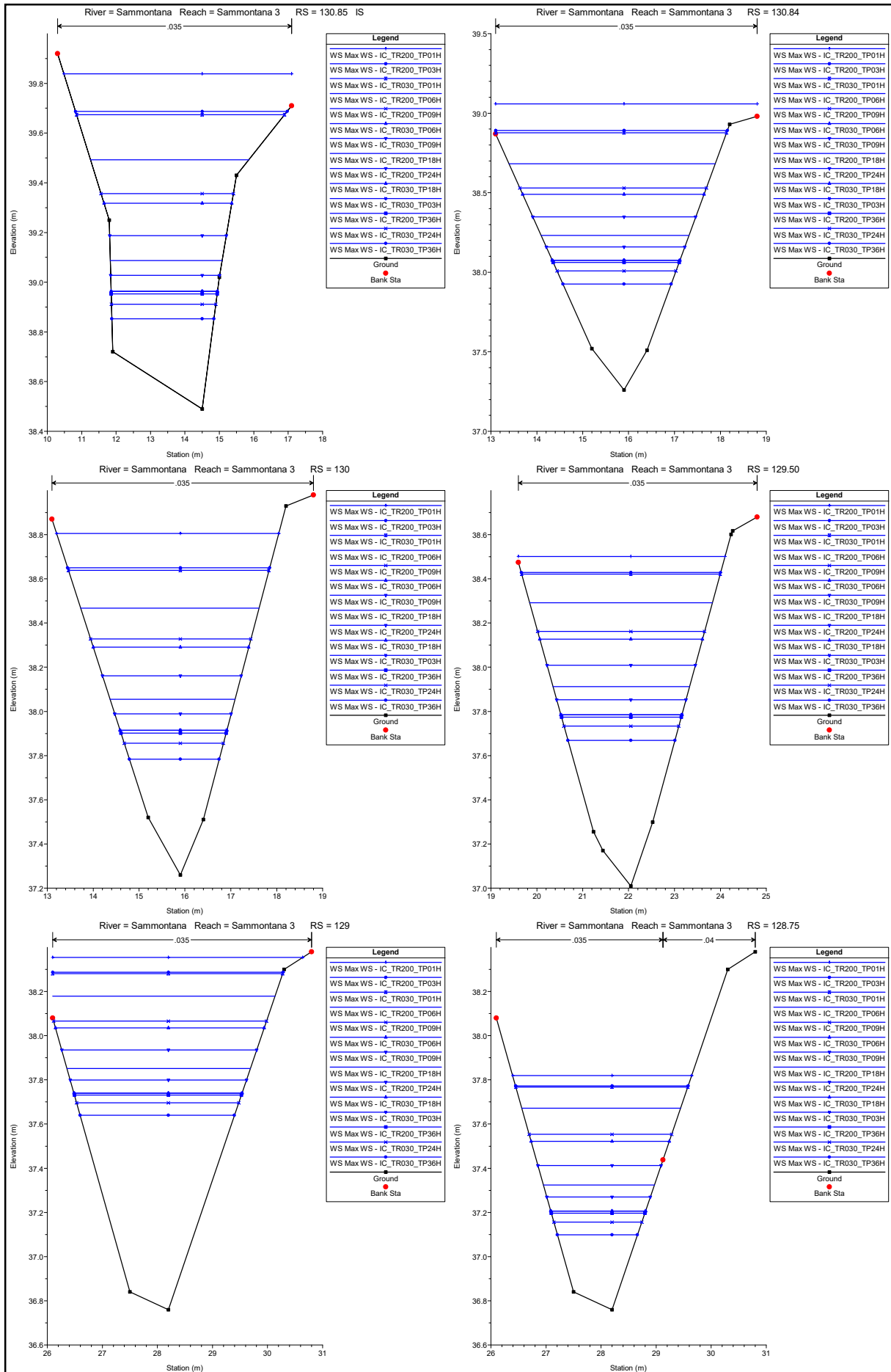




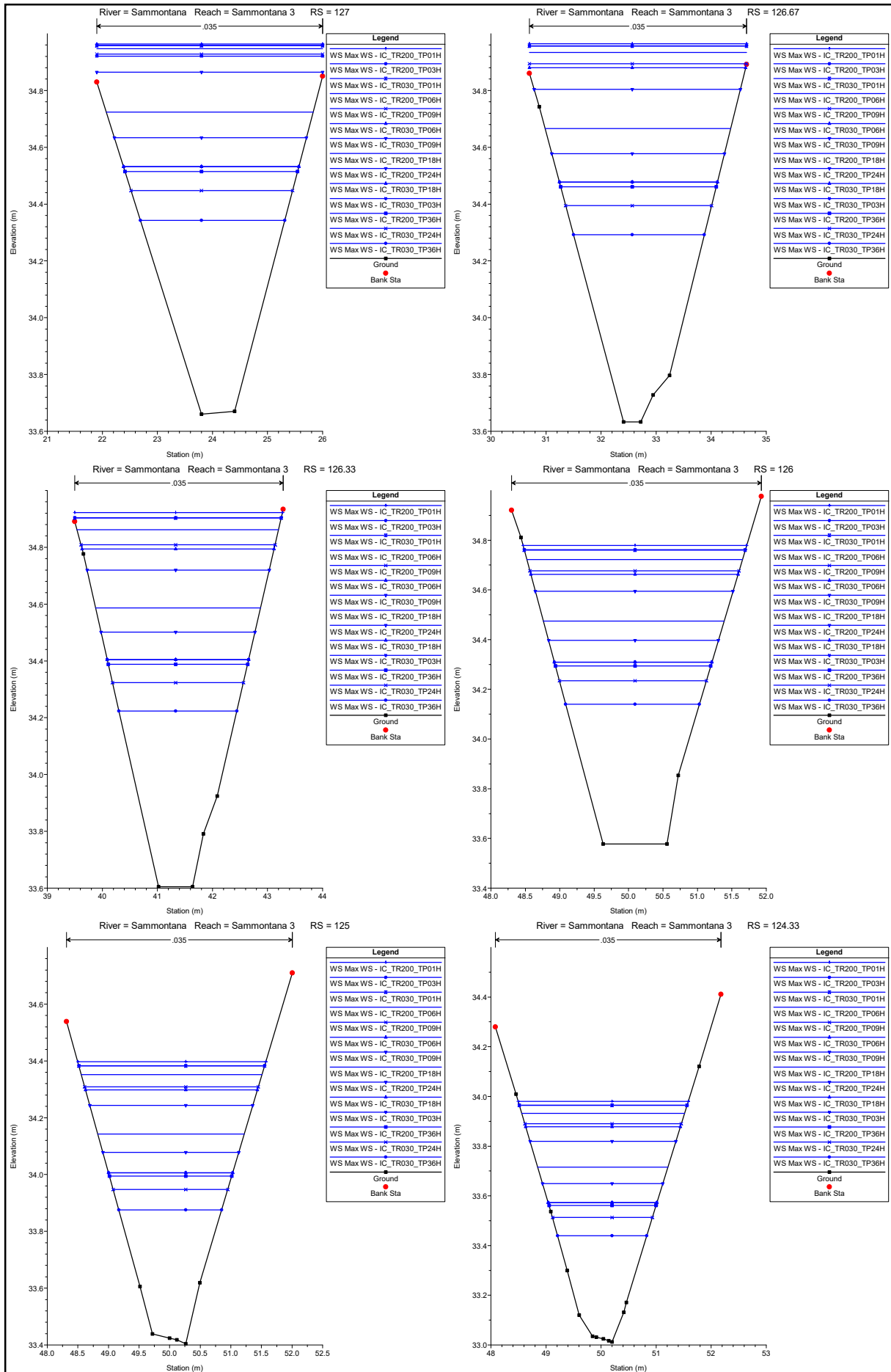




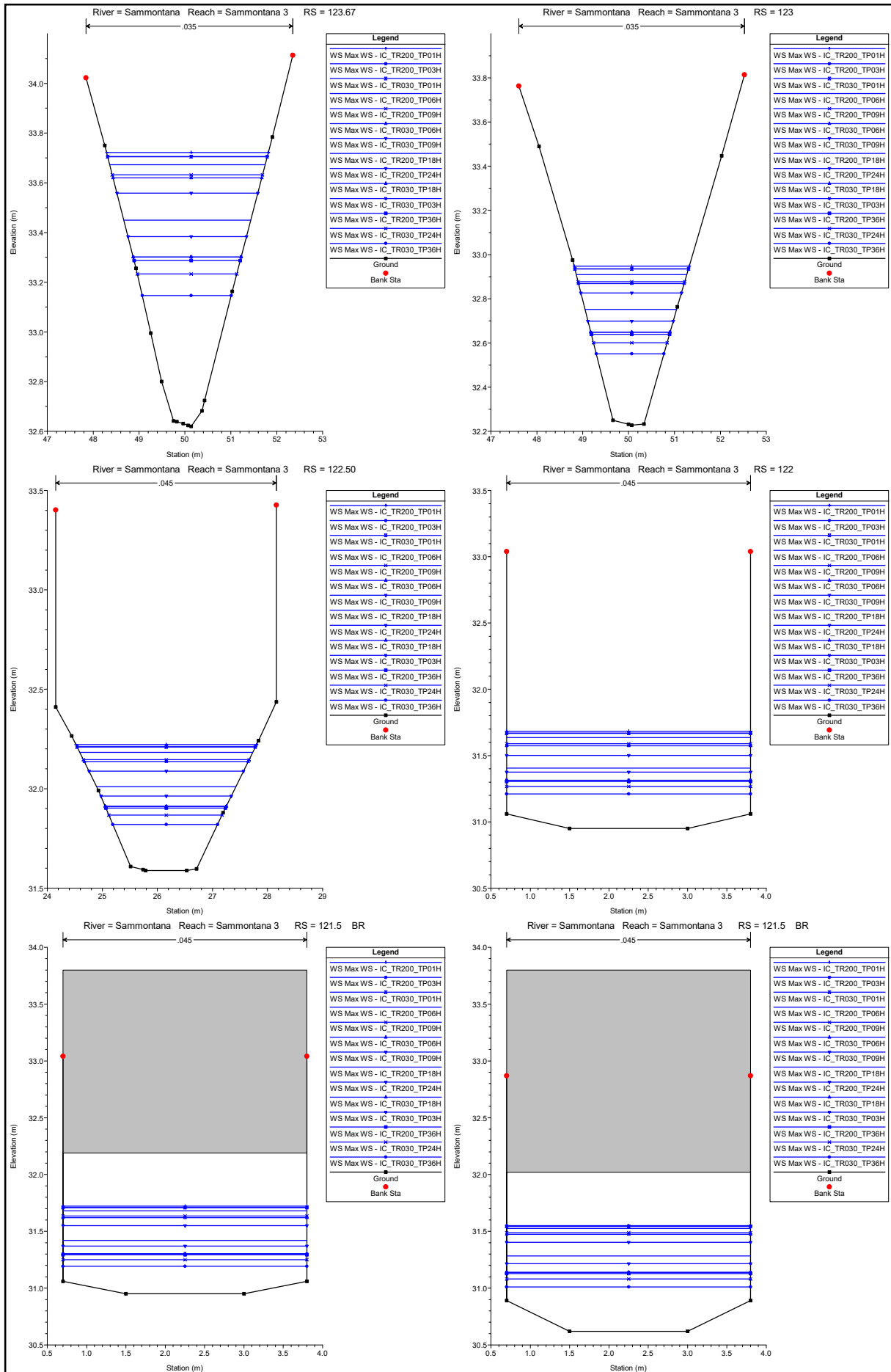


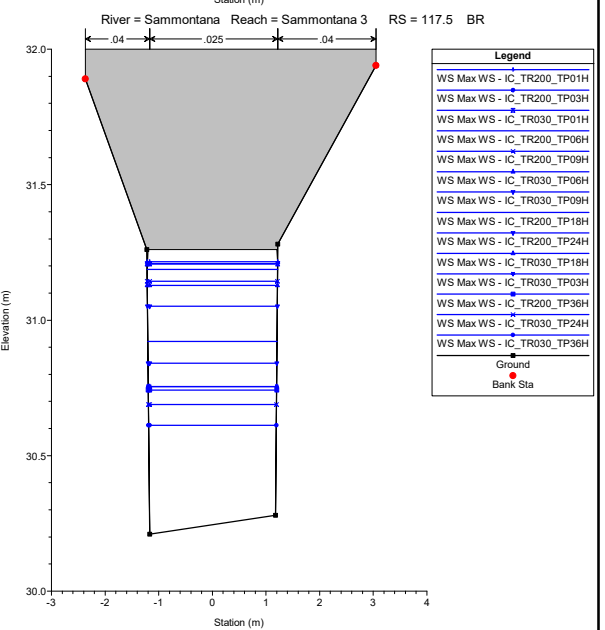
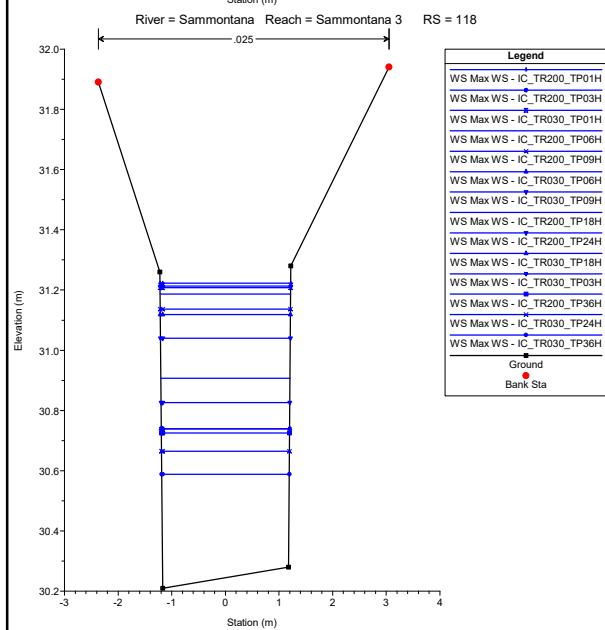
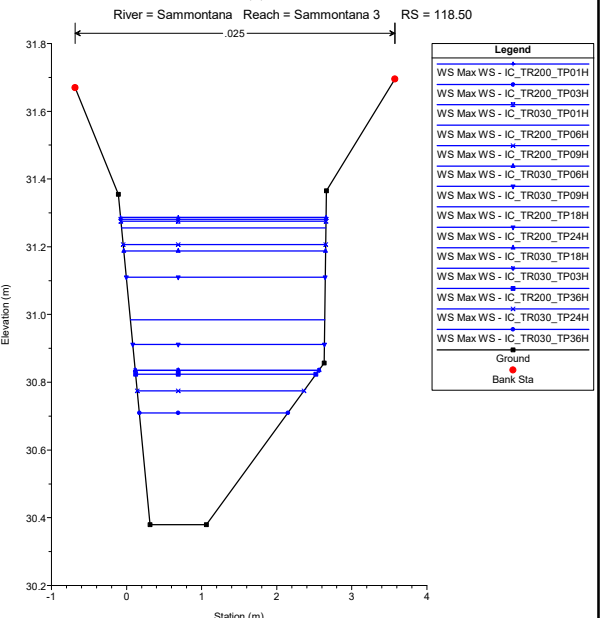
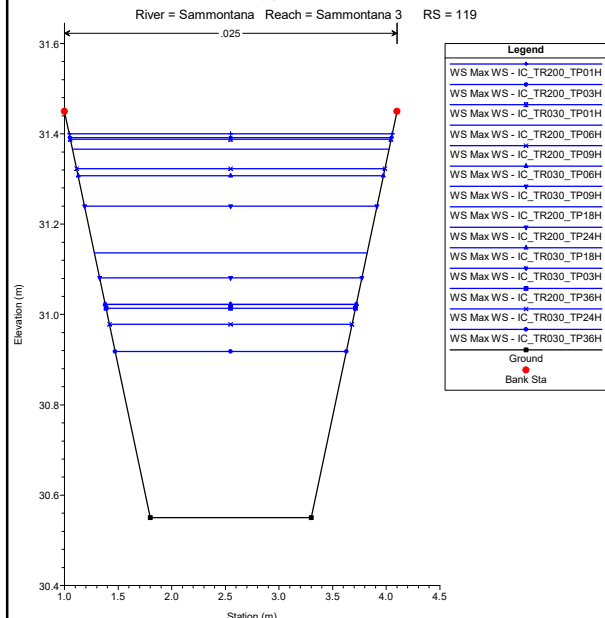
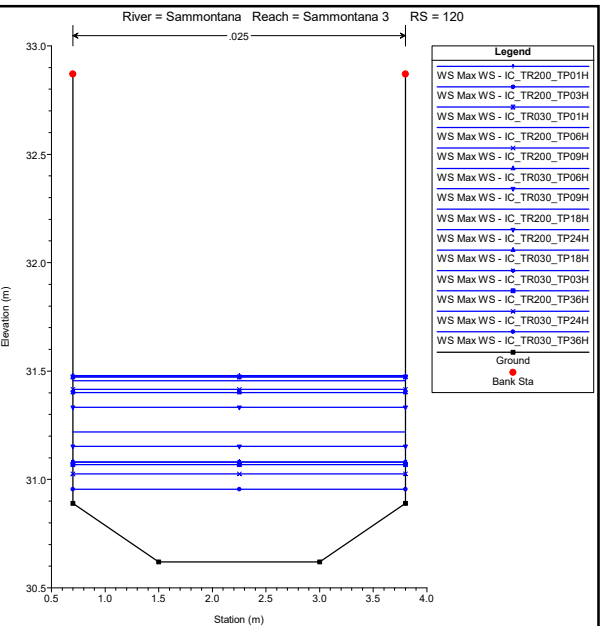
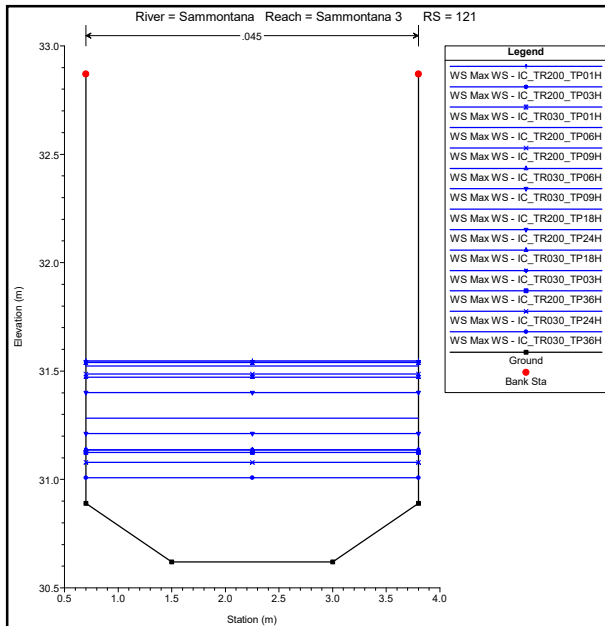




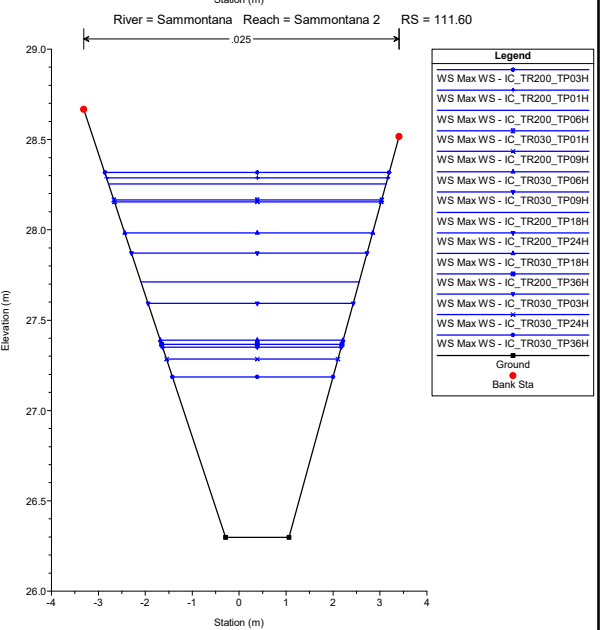
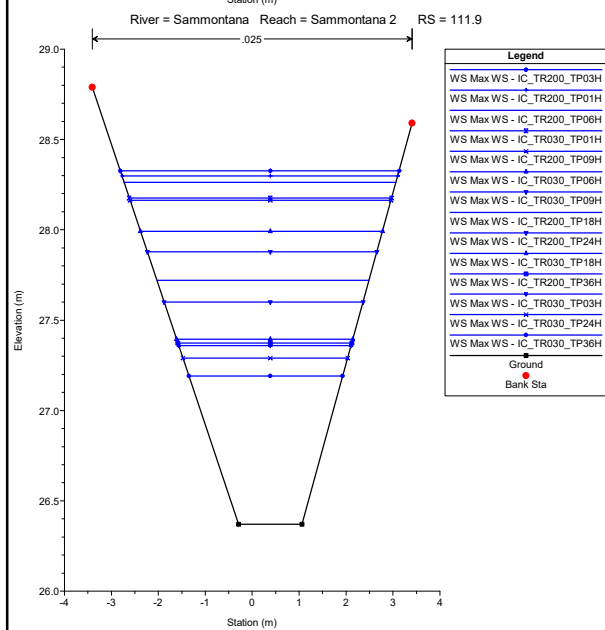
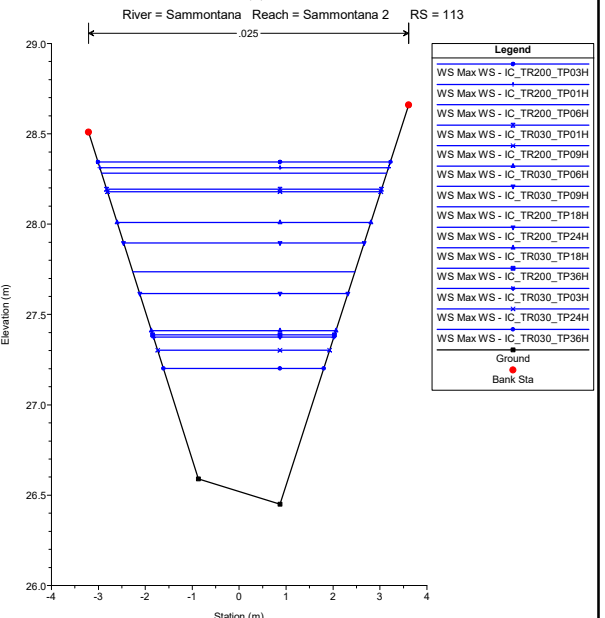
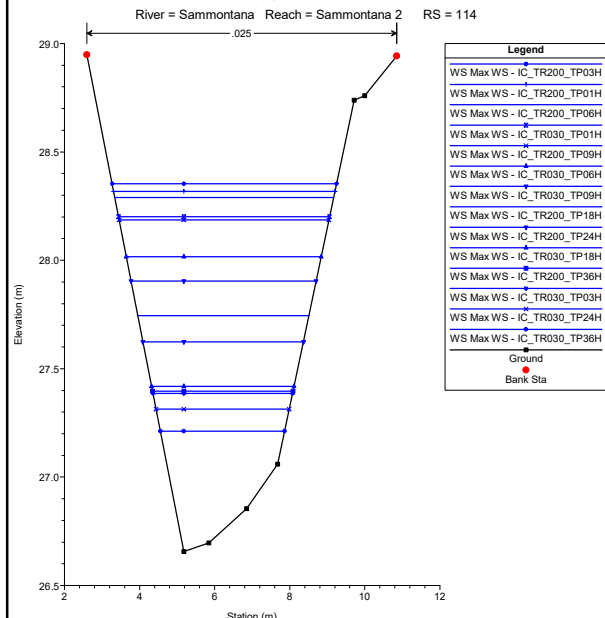
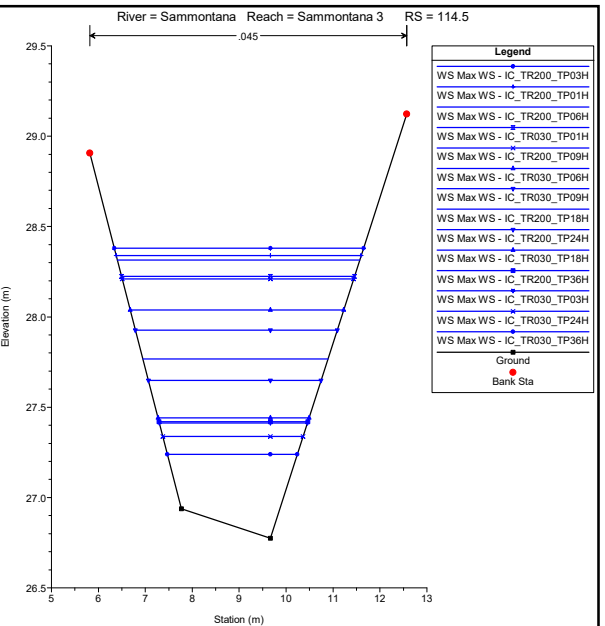
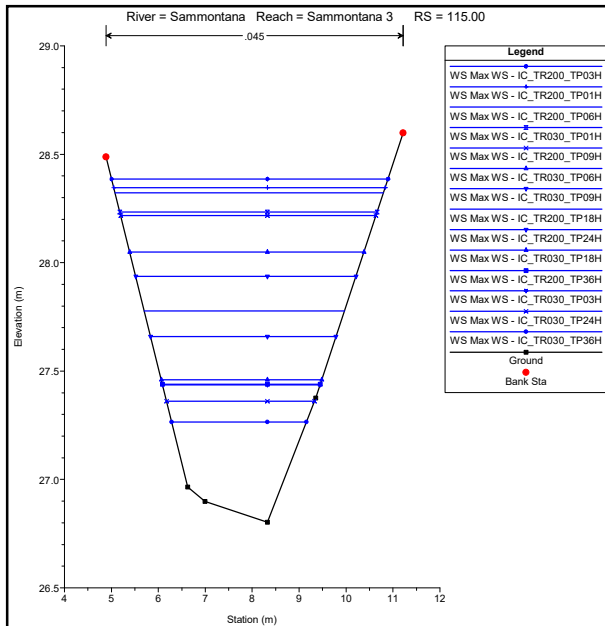


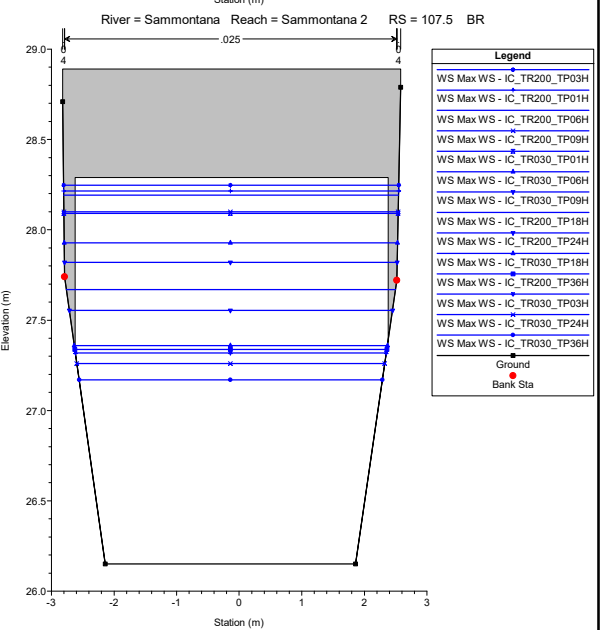
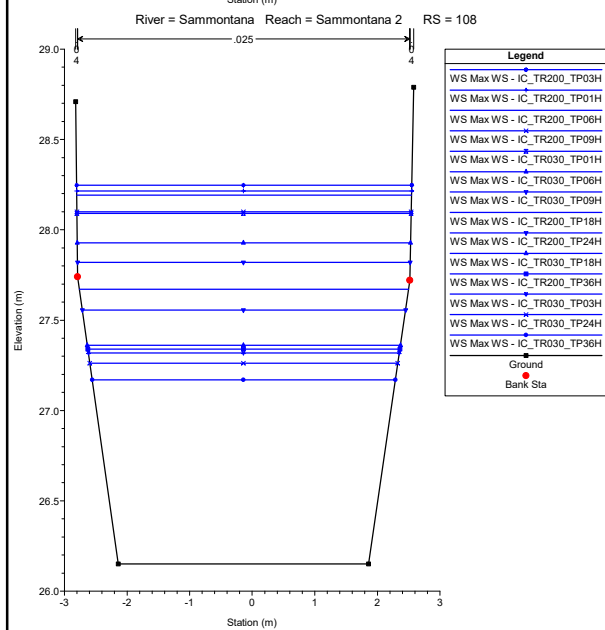
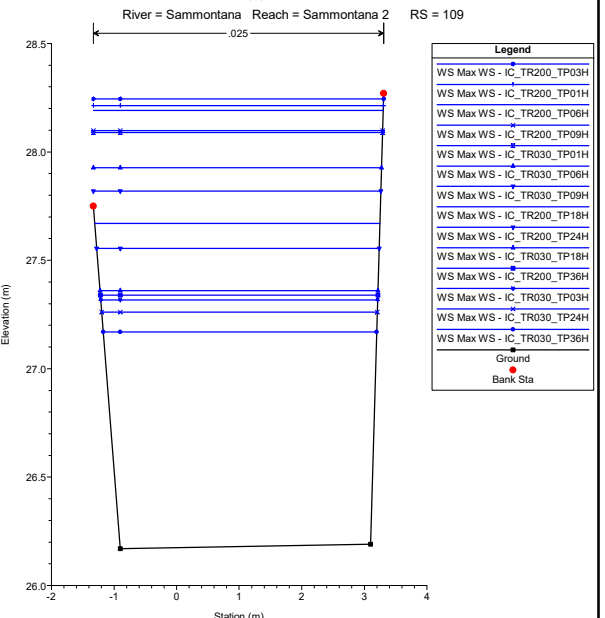
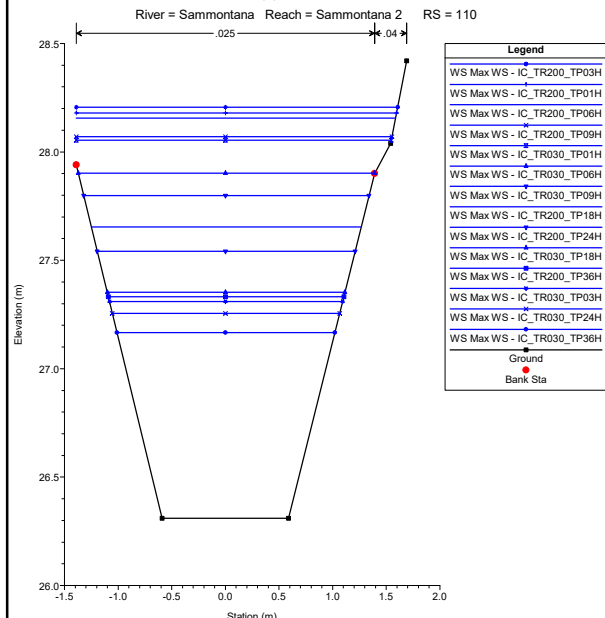
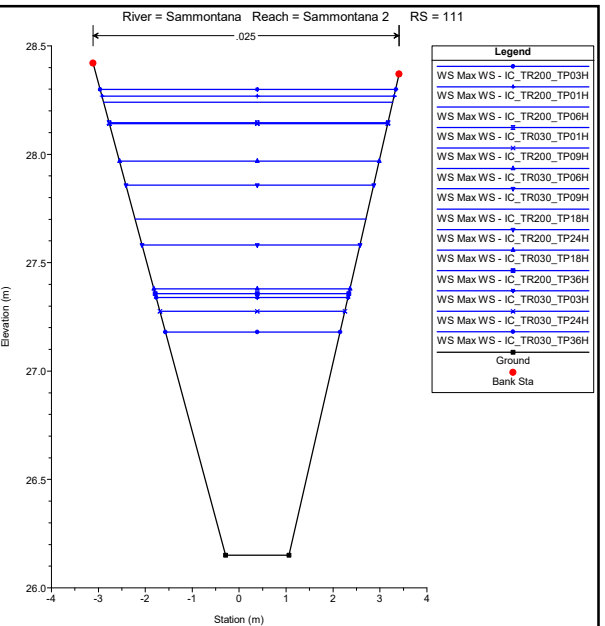
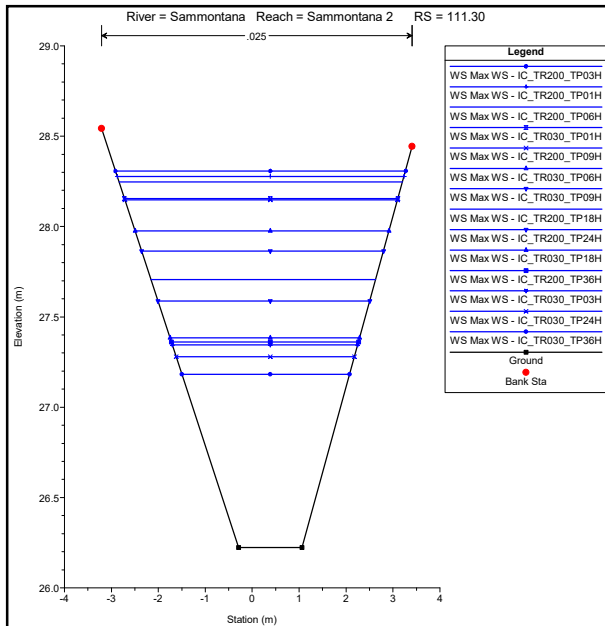


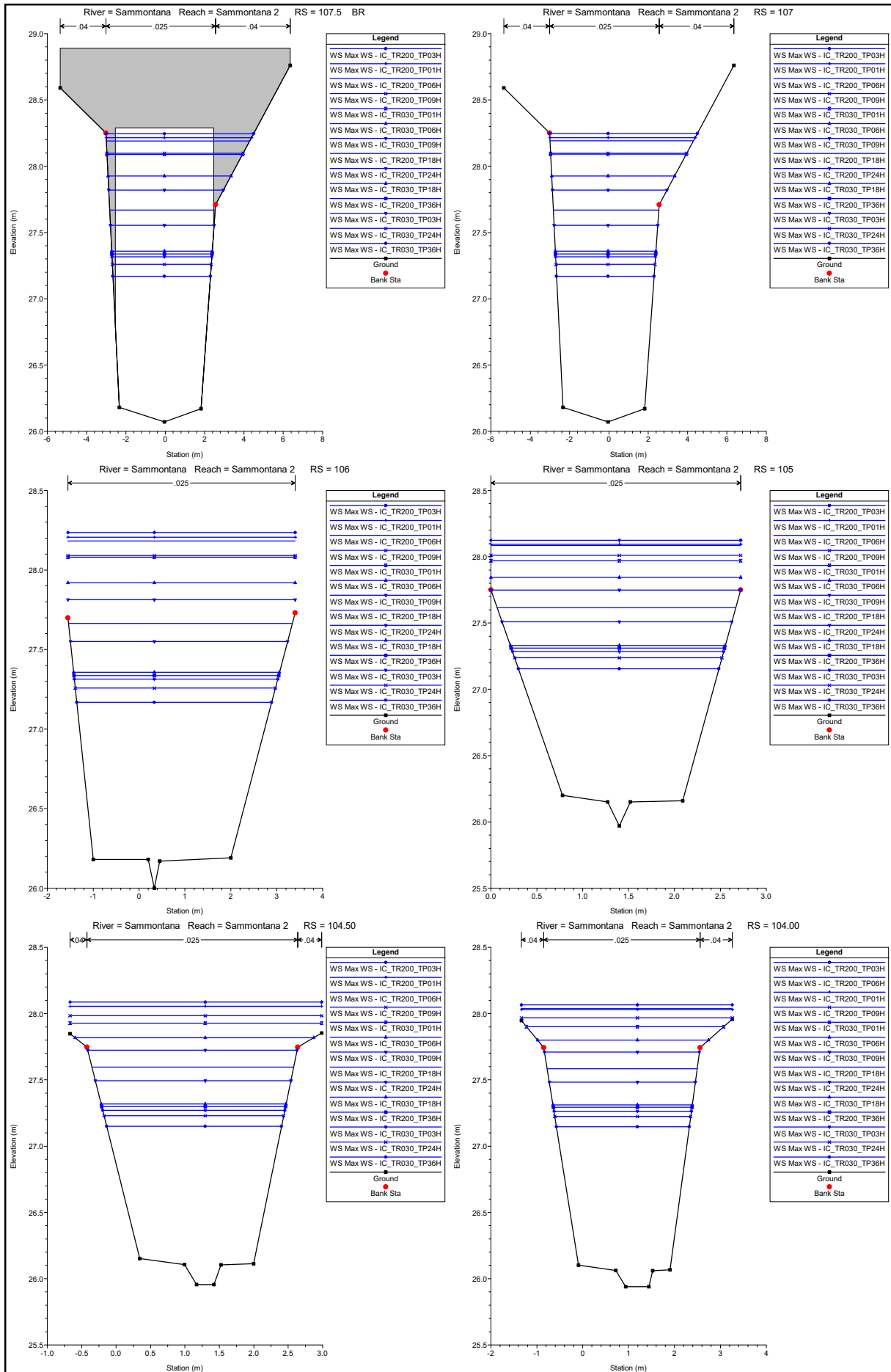


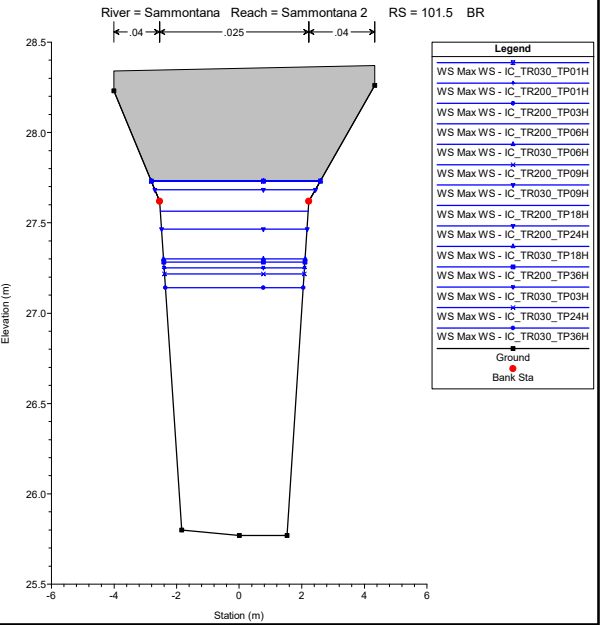
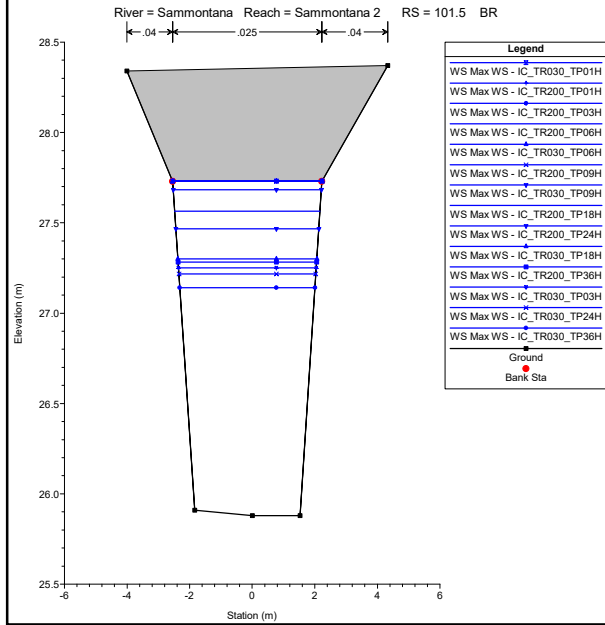
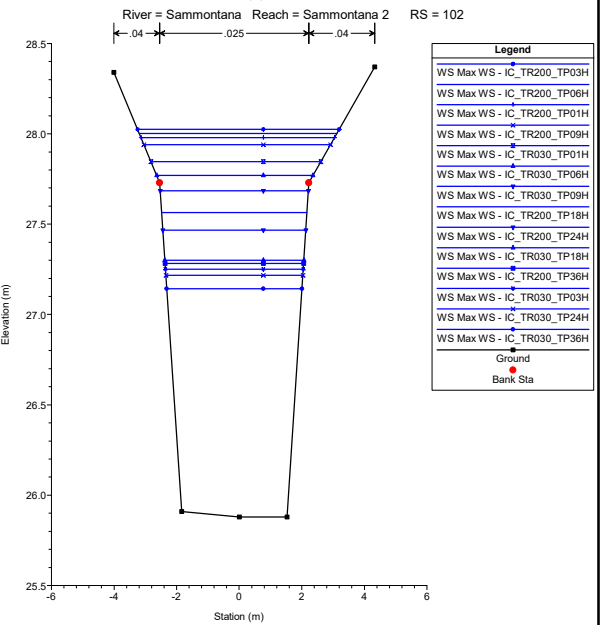
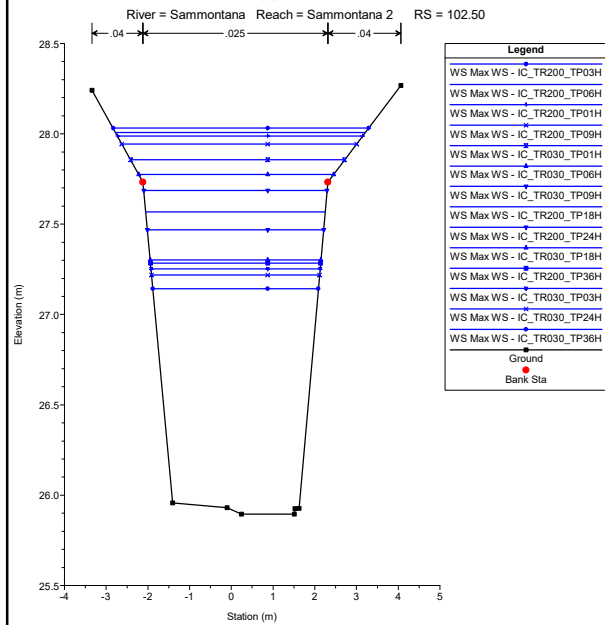
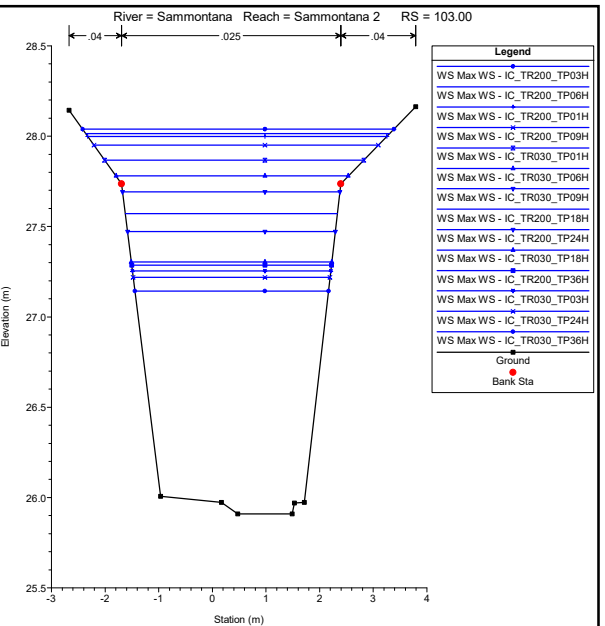
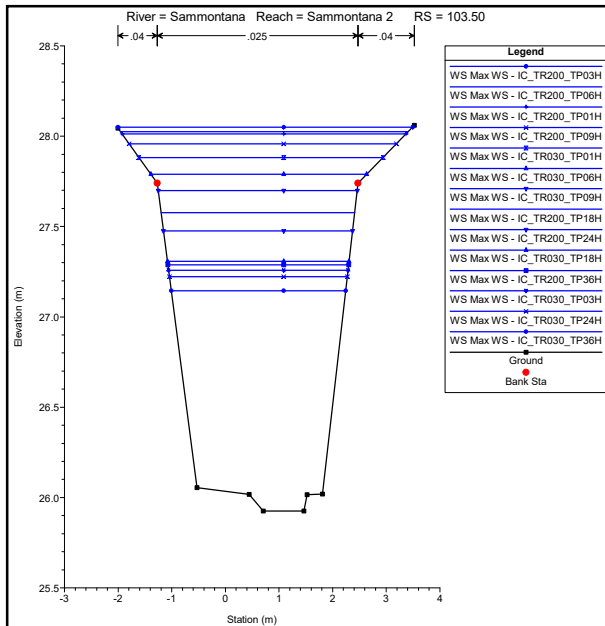


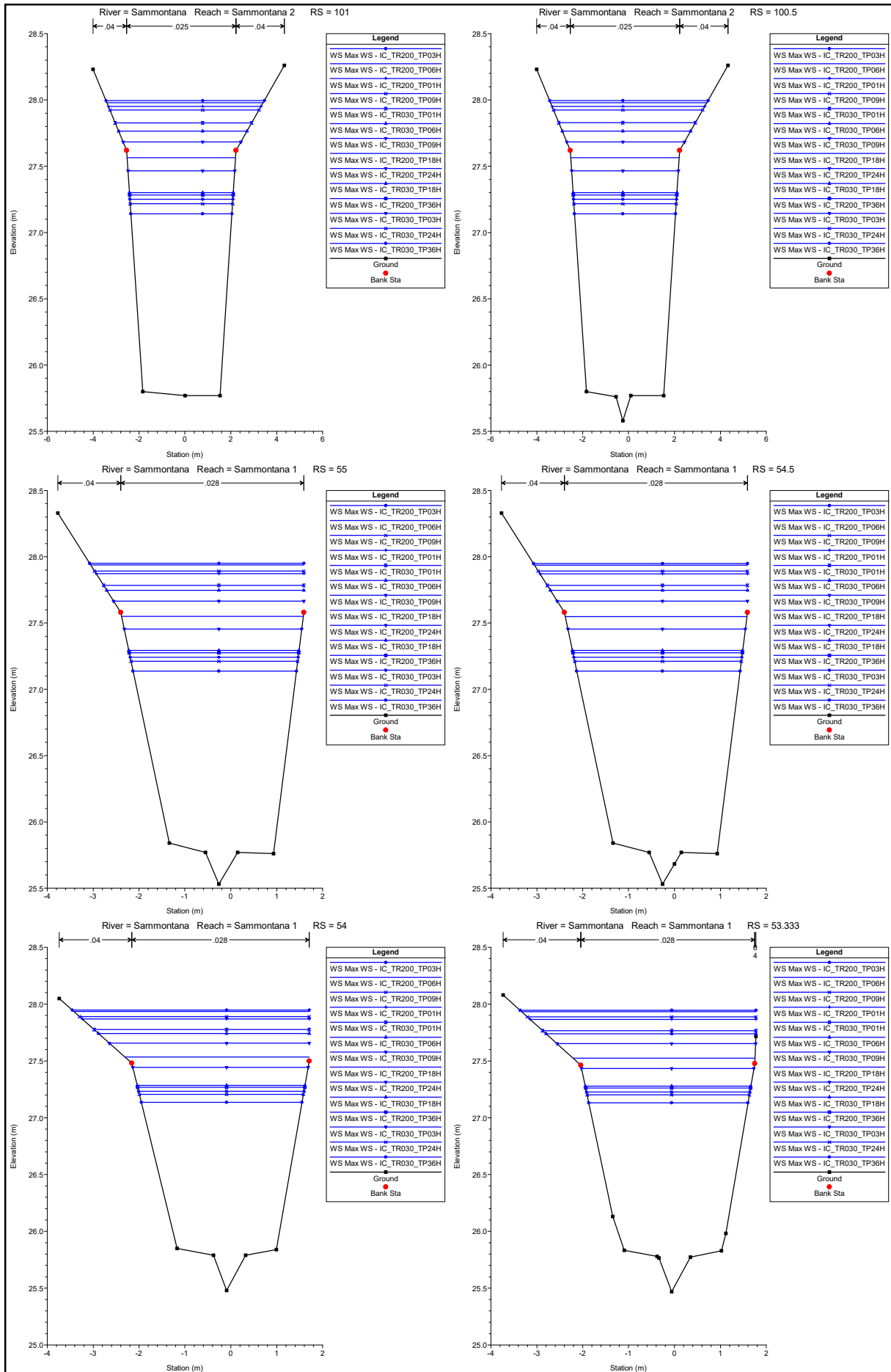






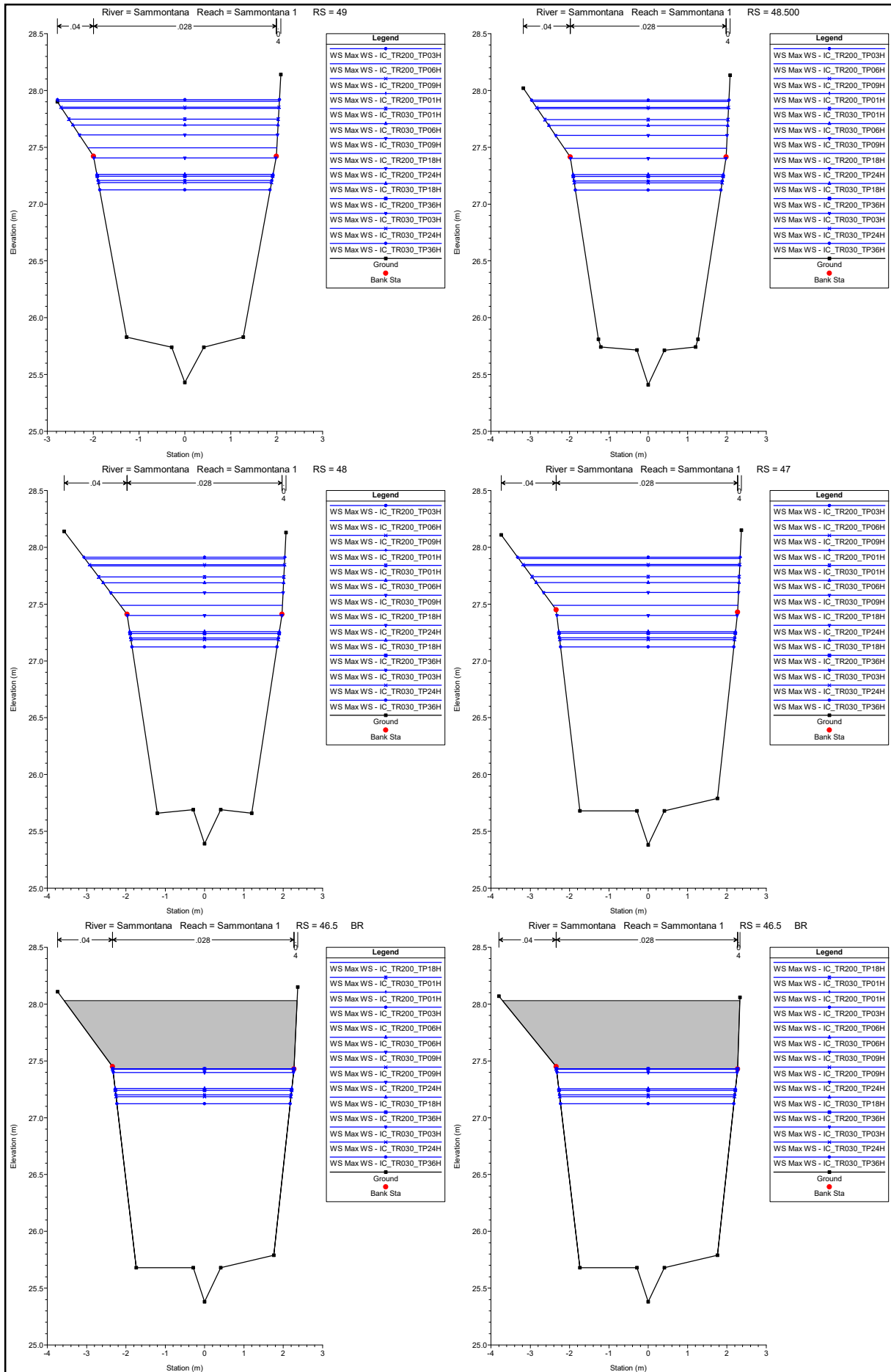






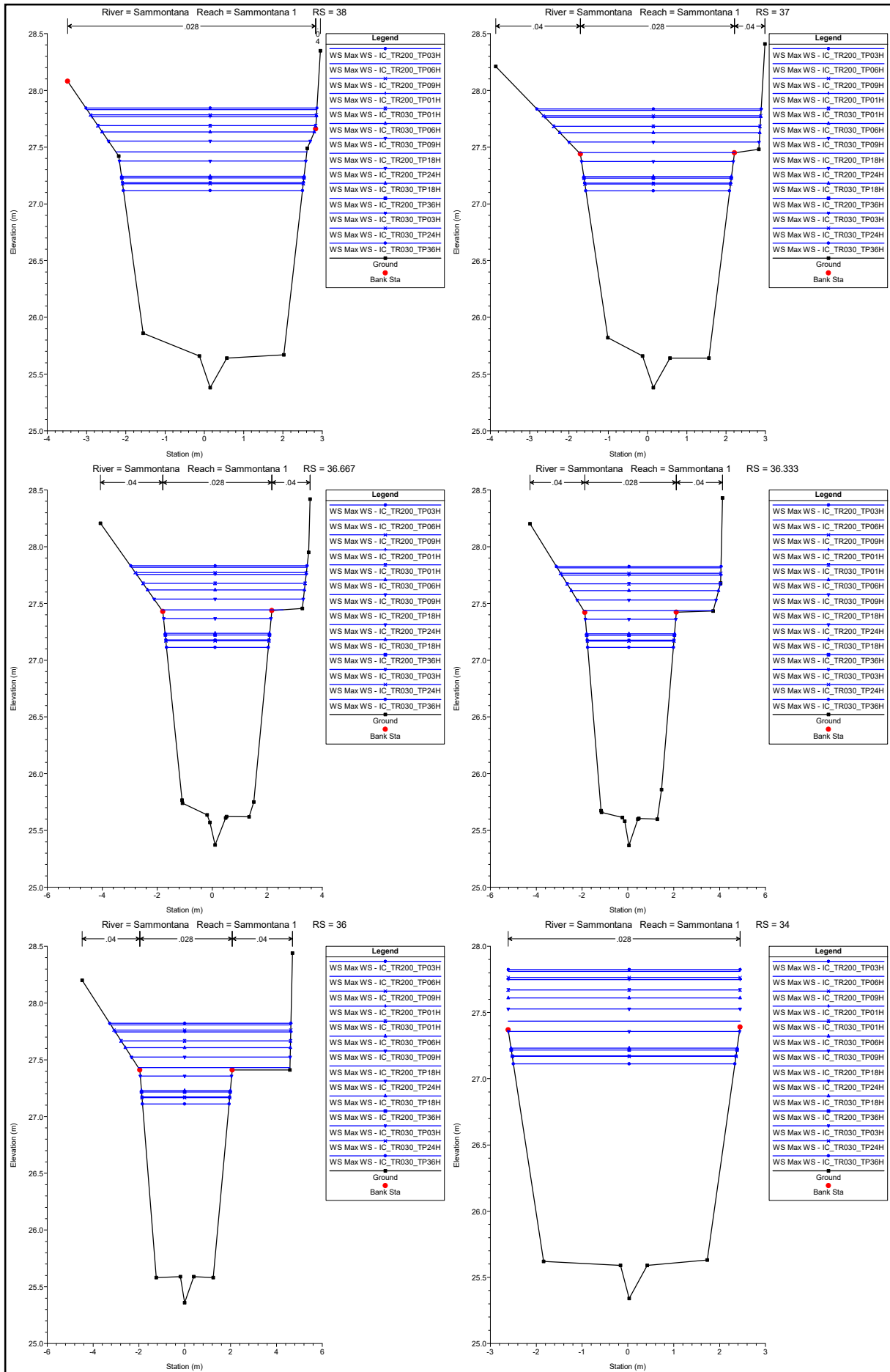


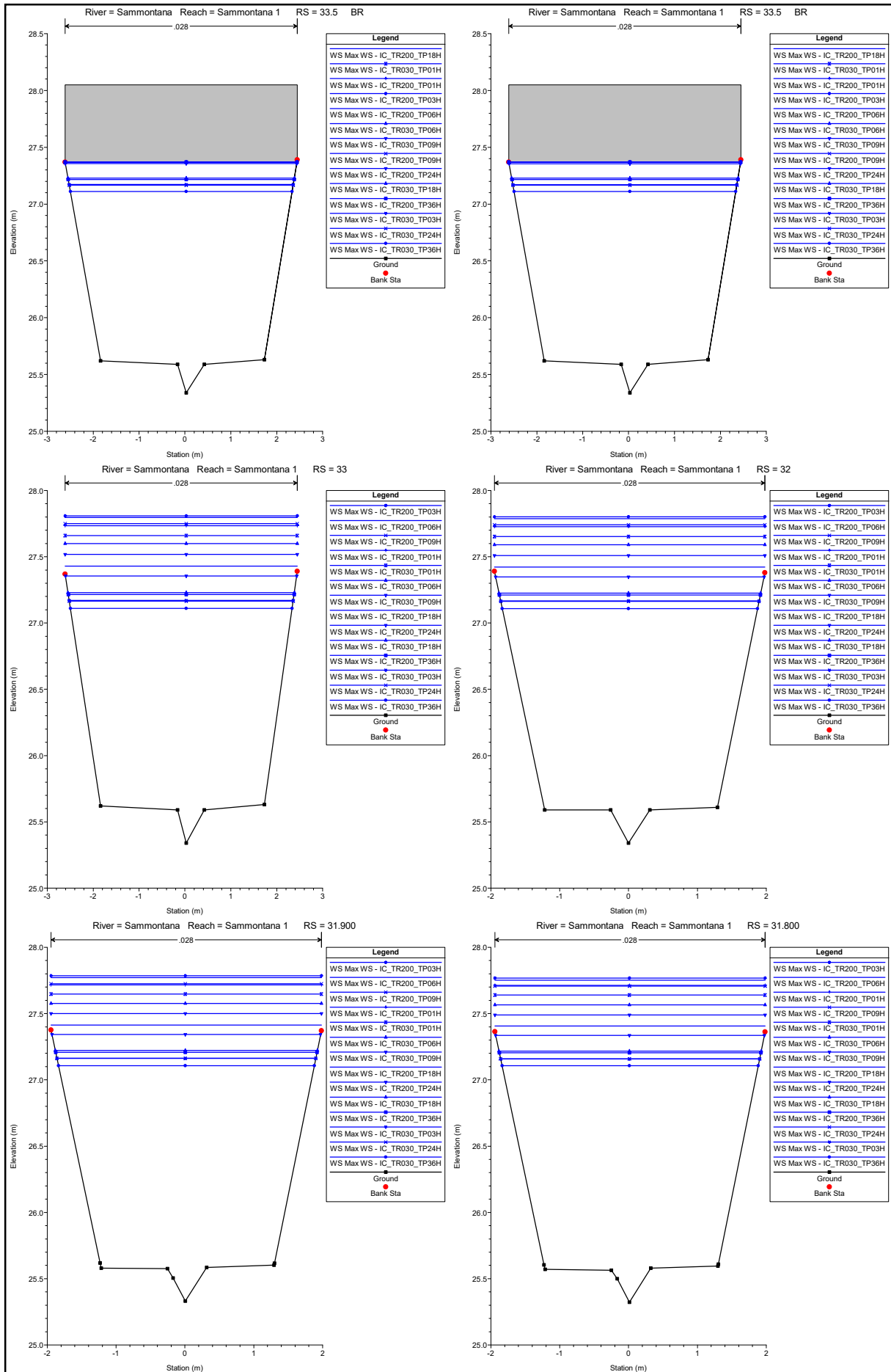








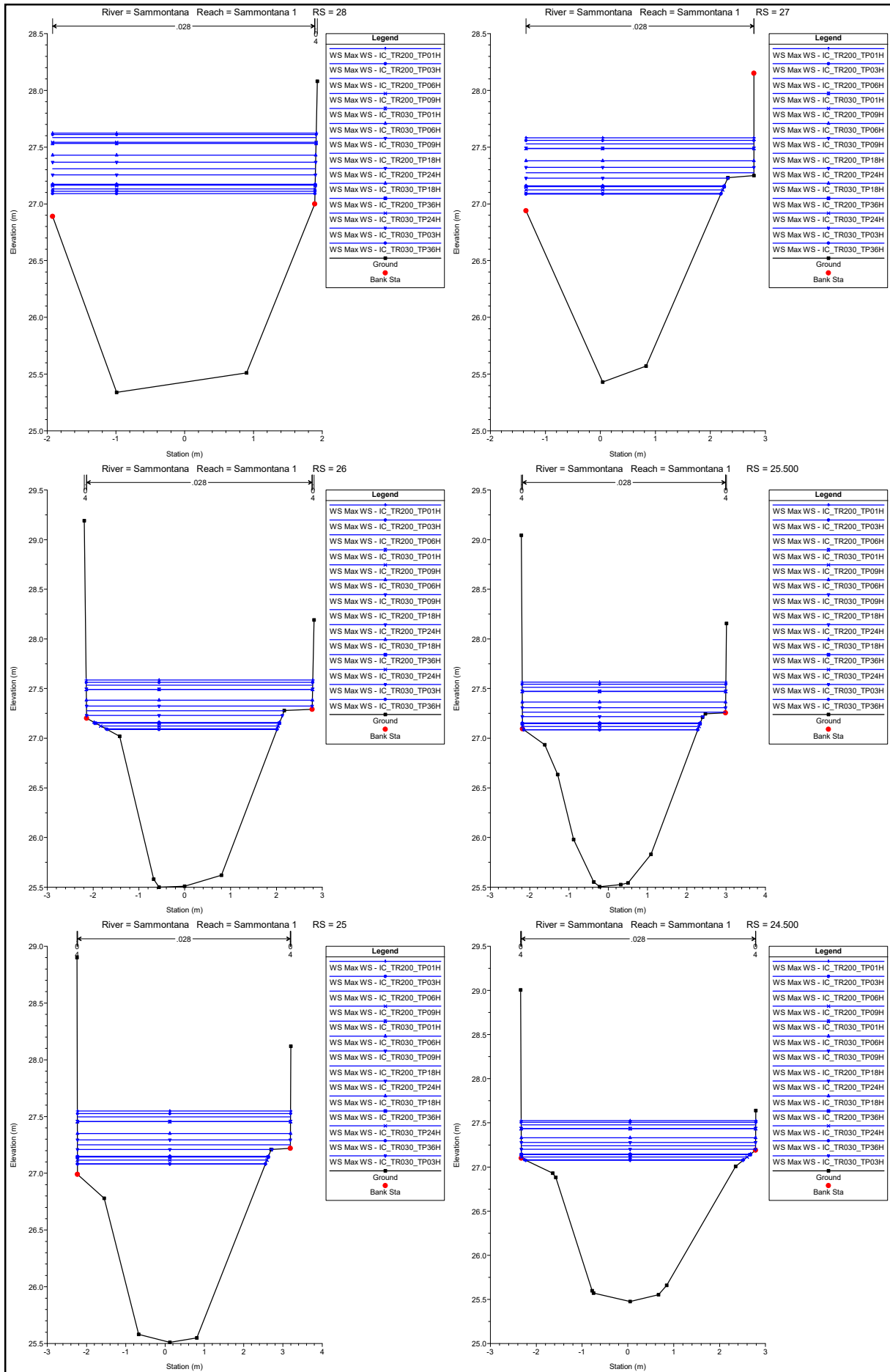




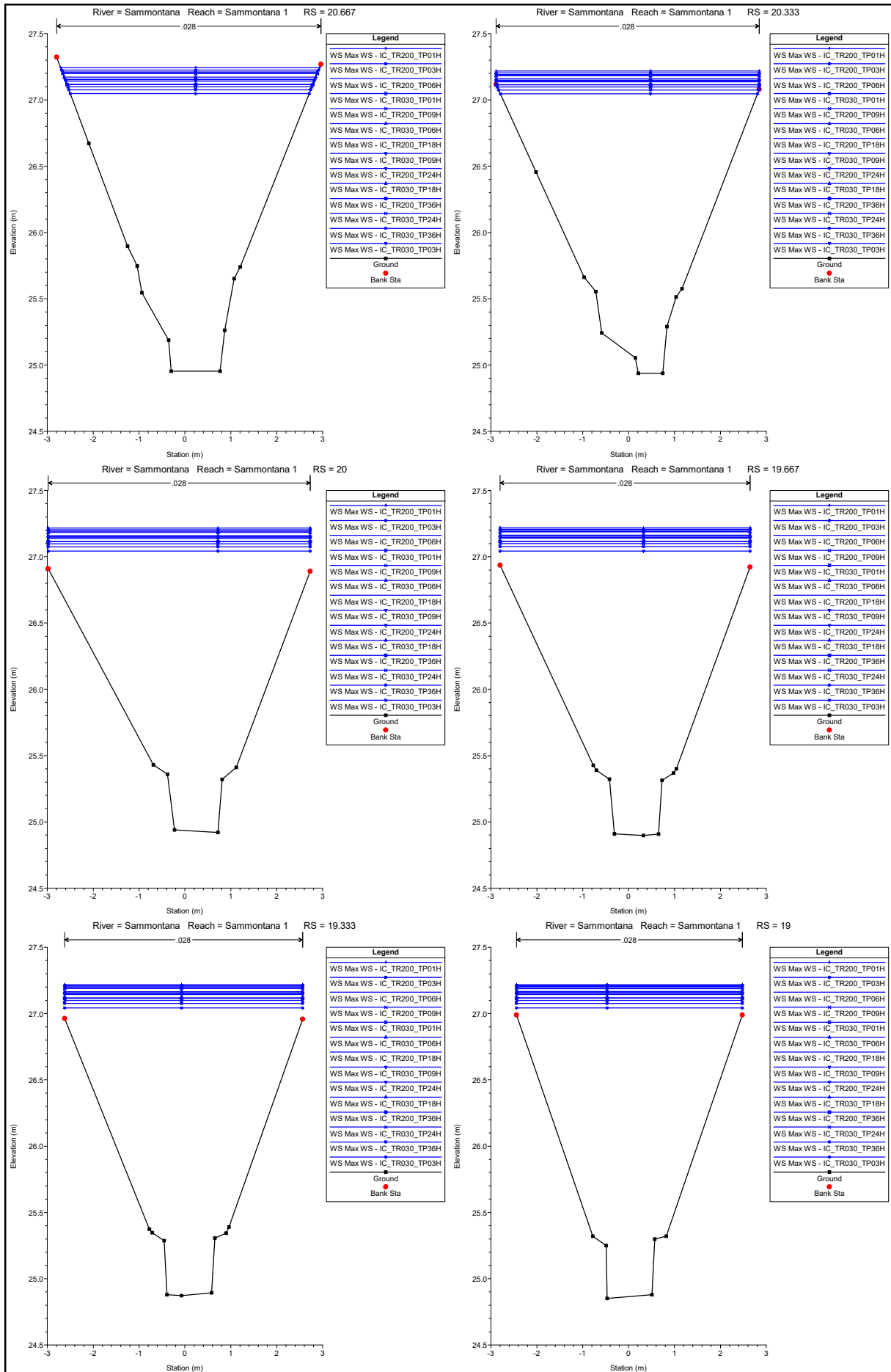


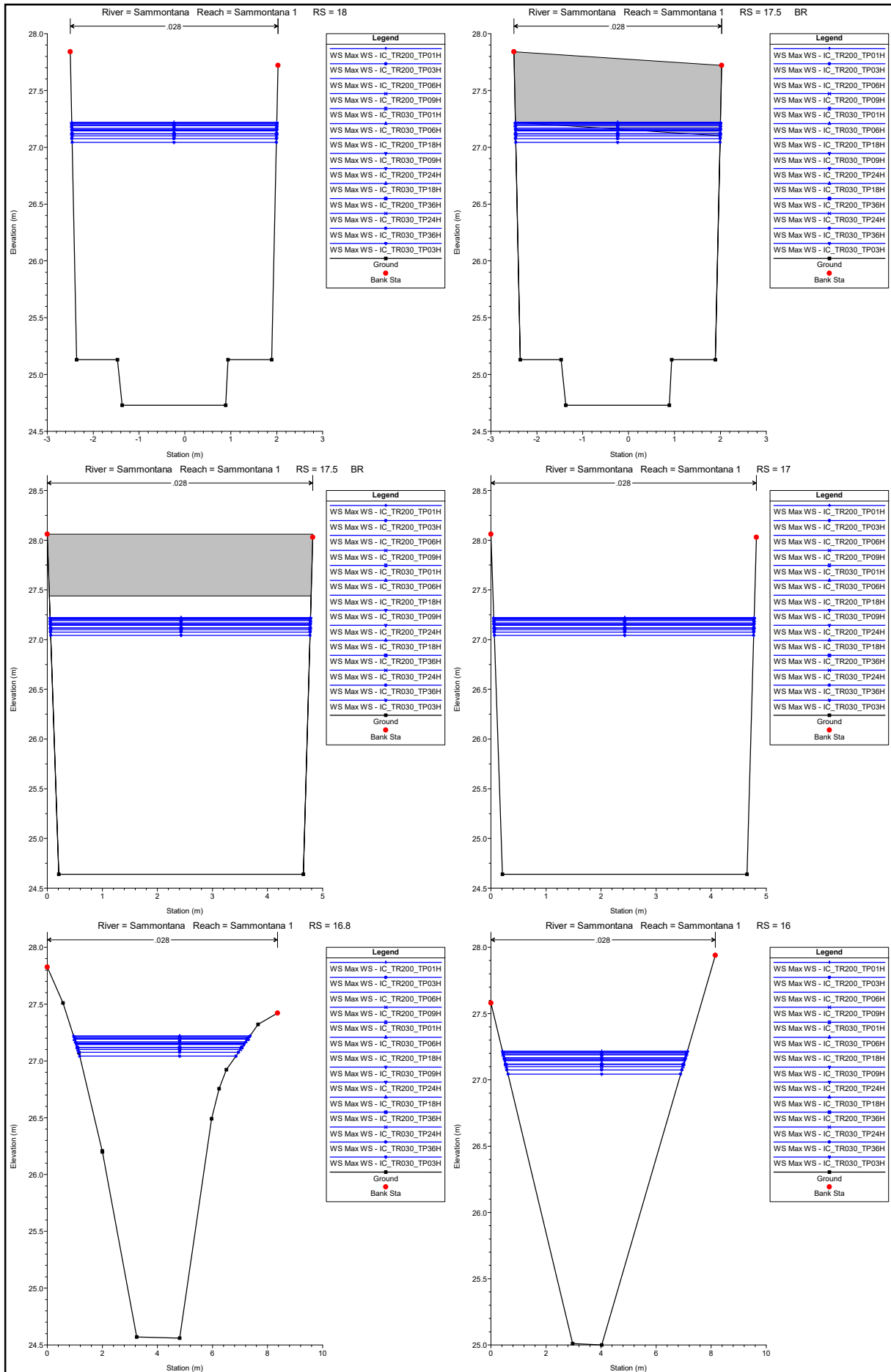


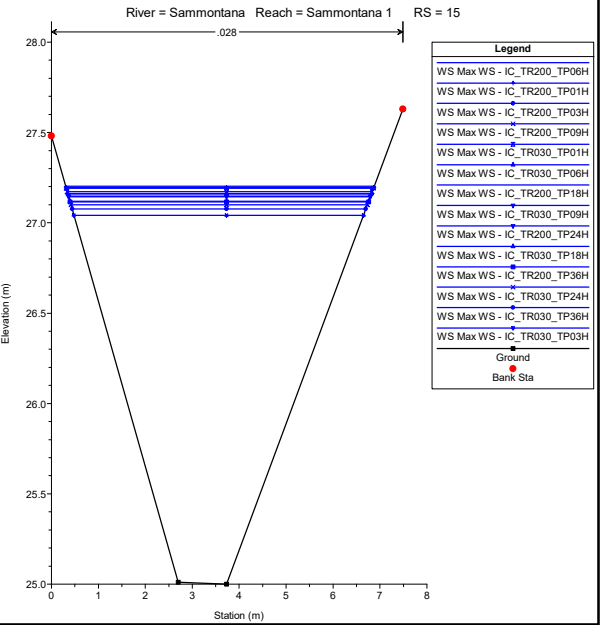
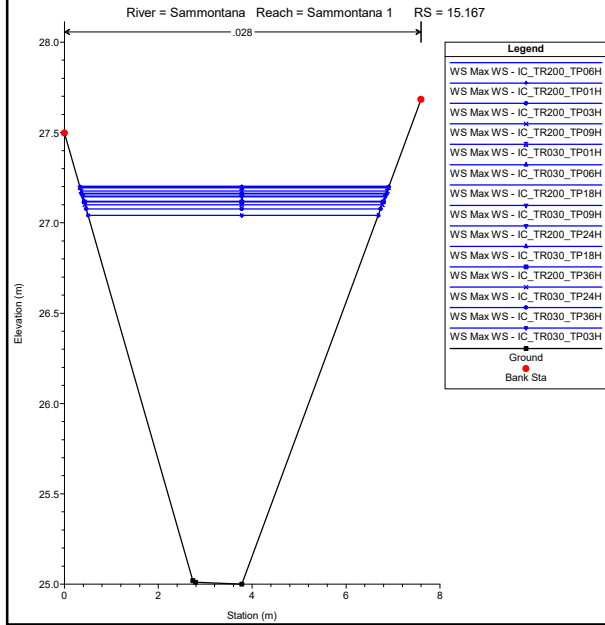
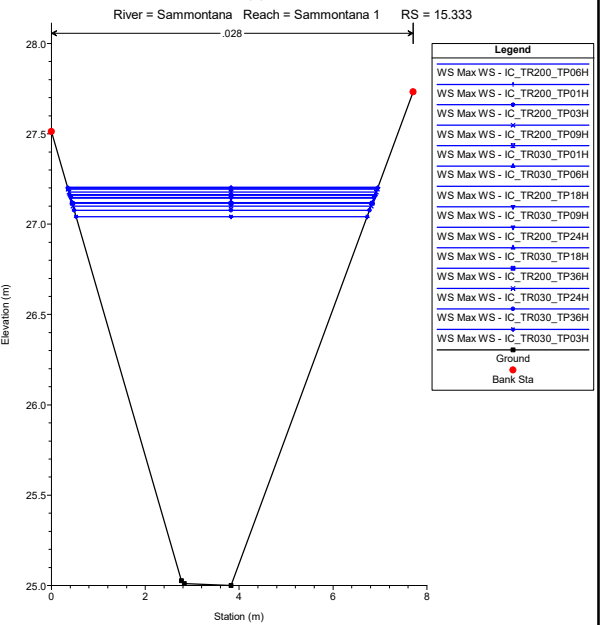
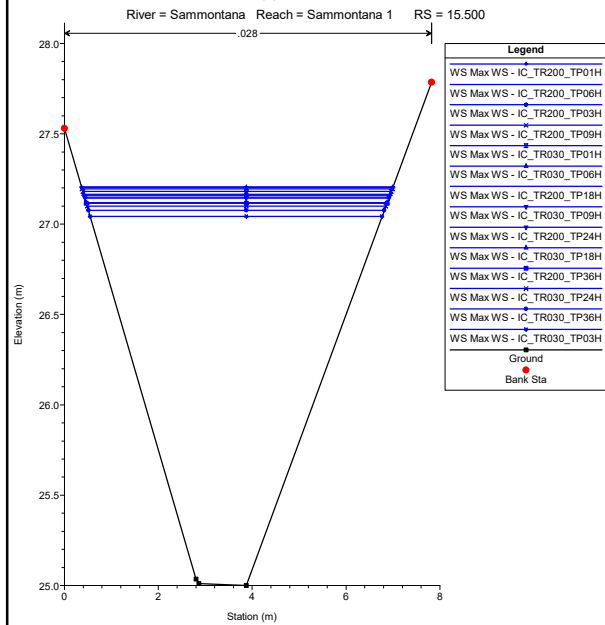
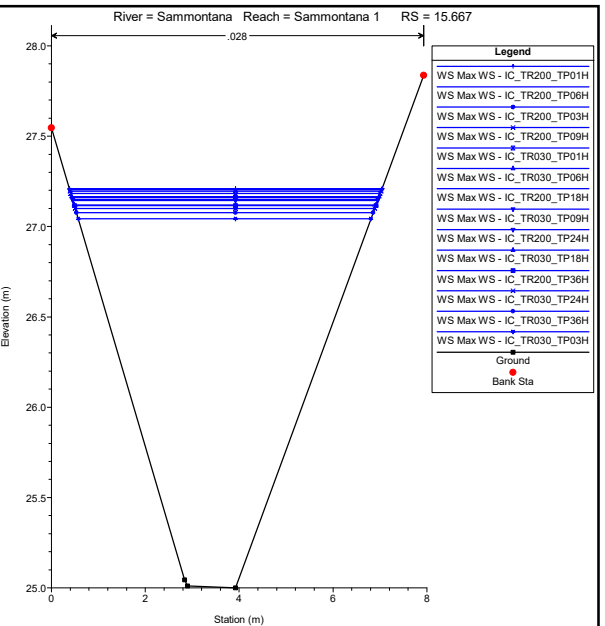
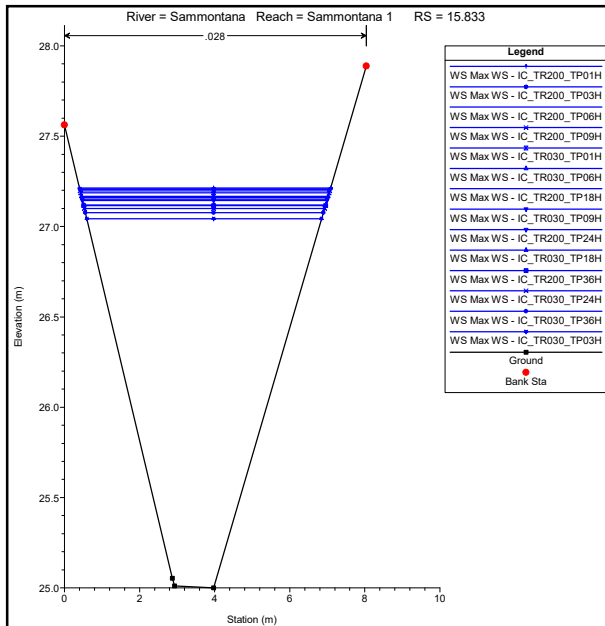


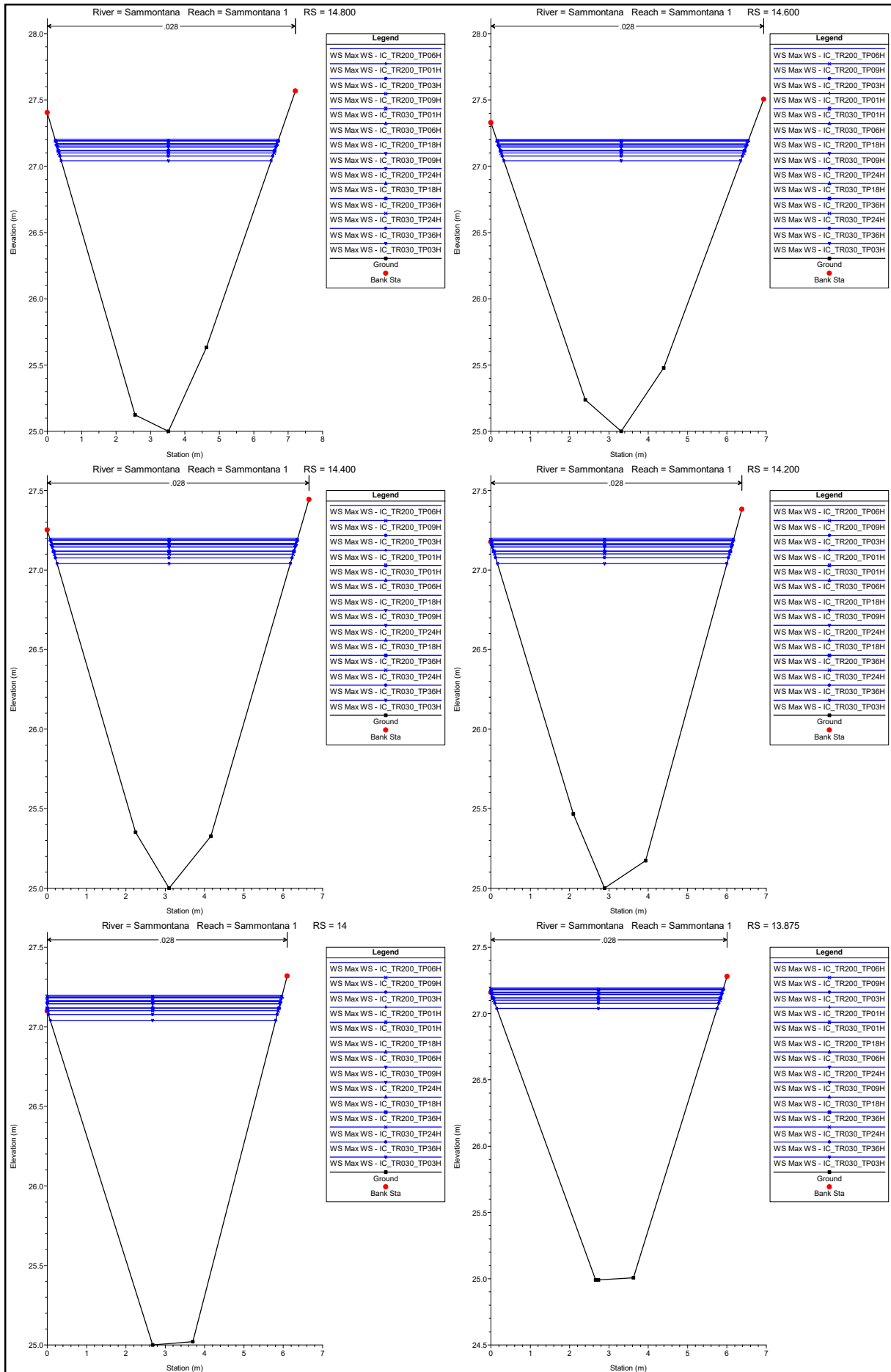


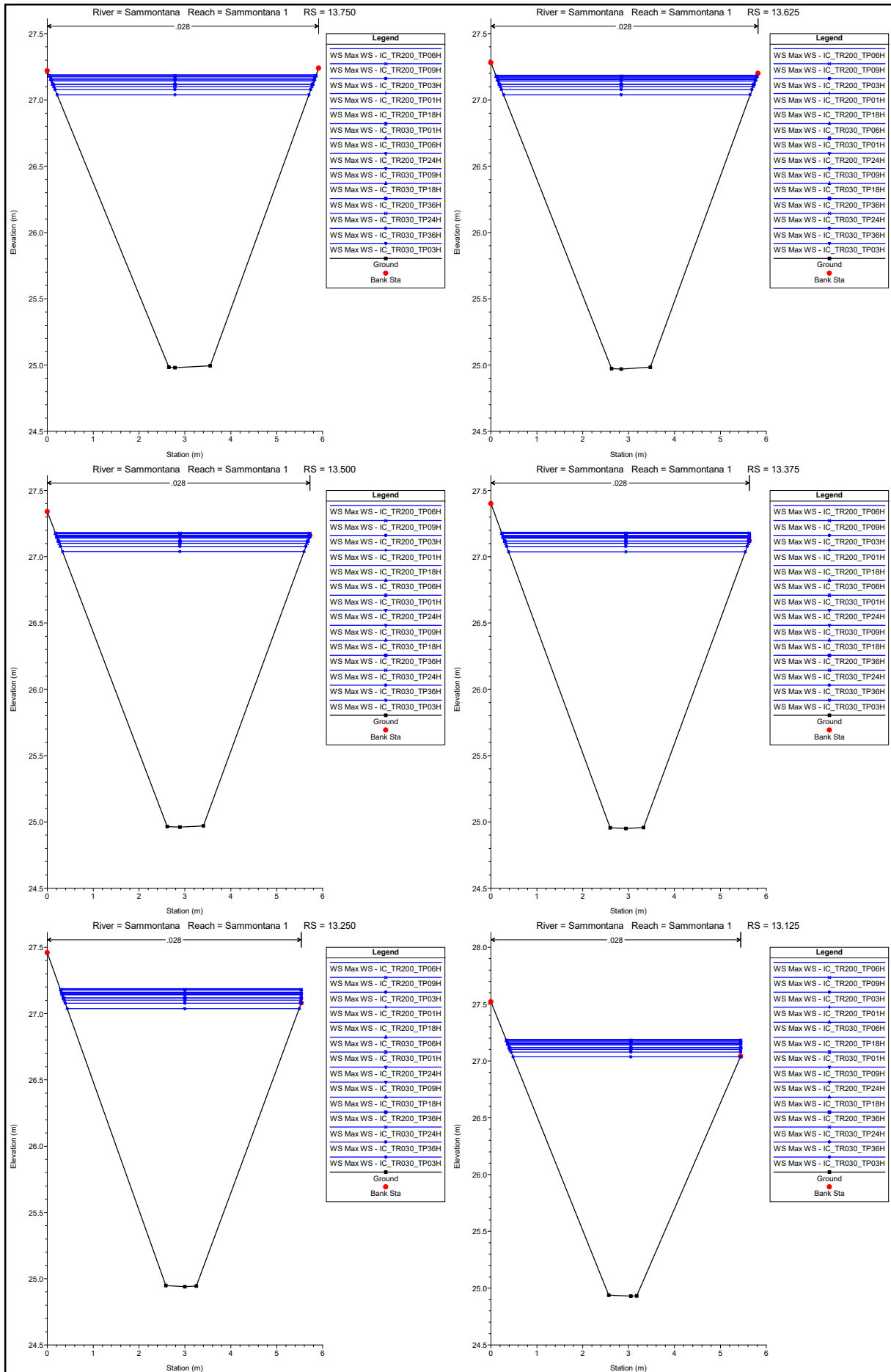


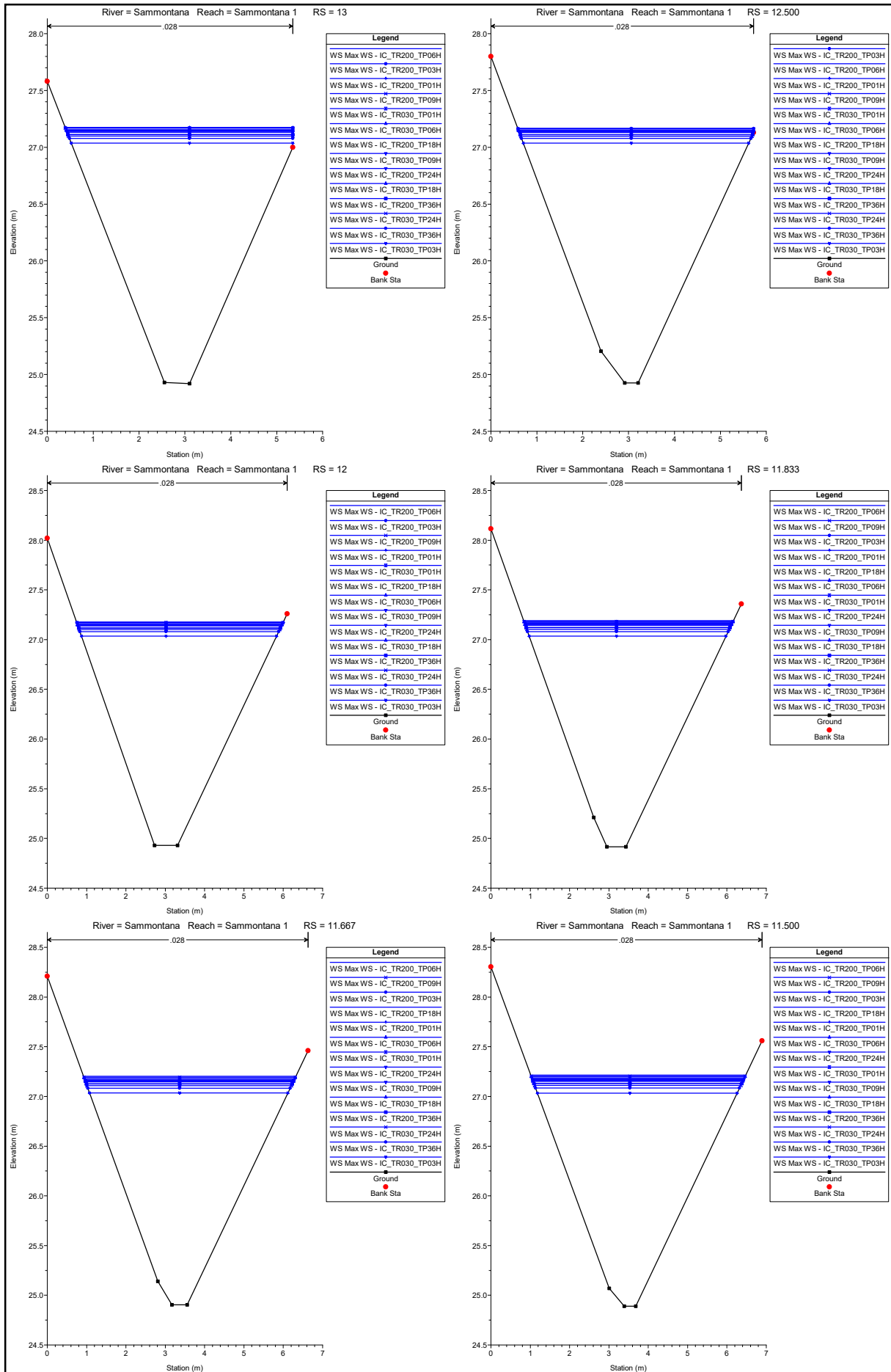




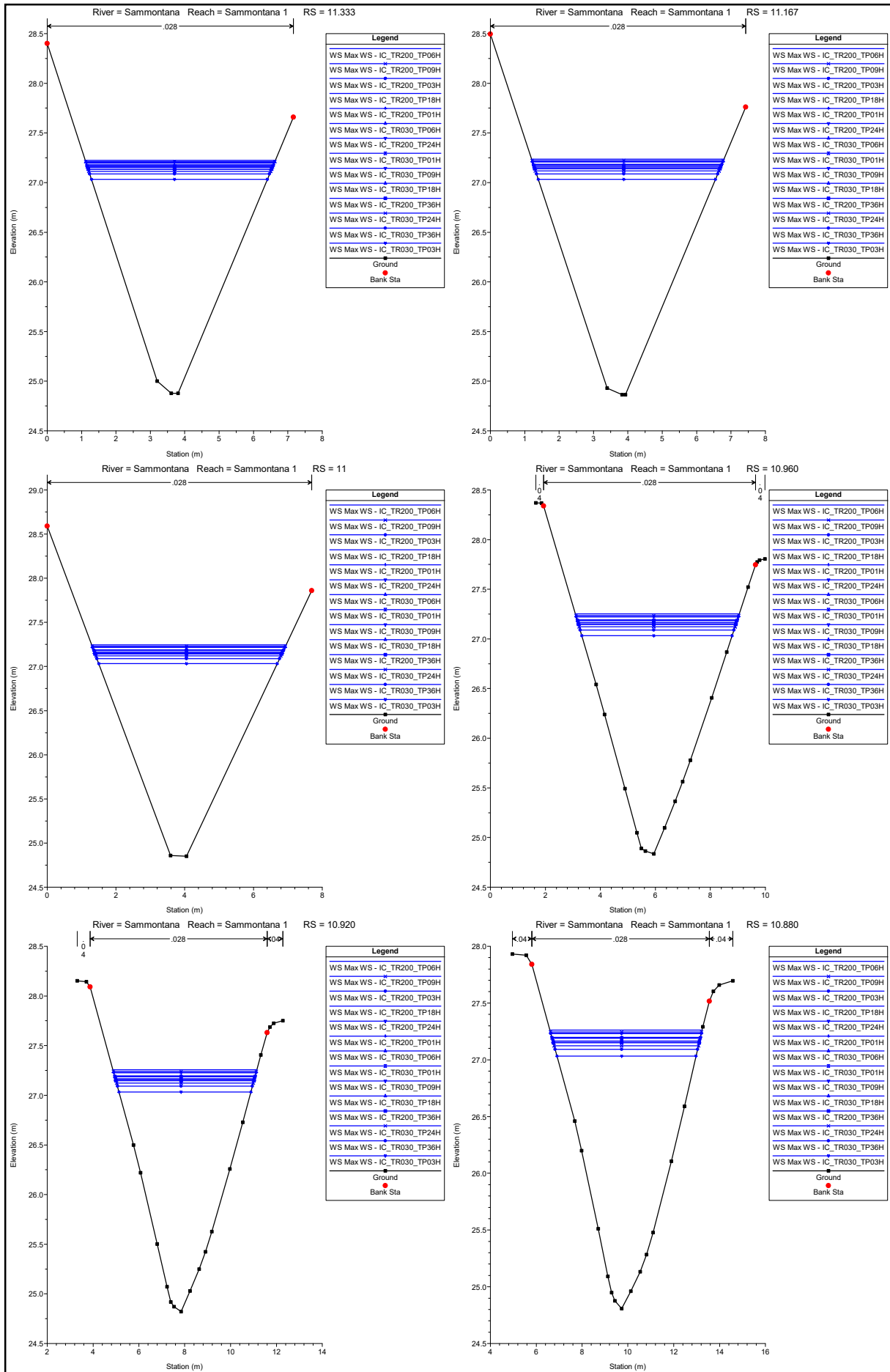


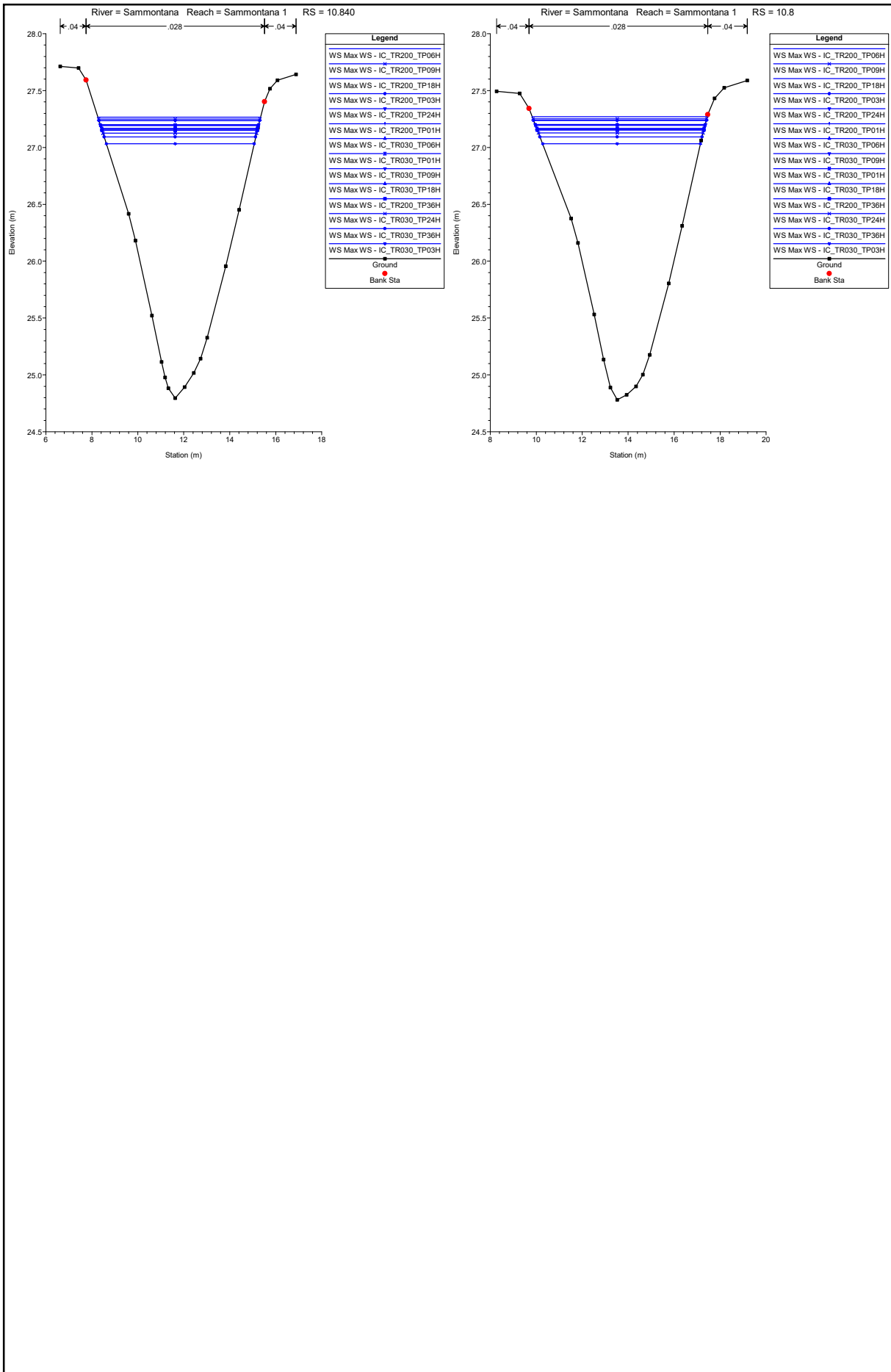












River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP18H	1.70	38.41	39.19		39.20	0.000272	0.35	4.87	6.39	0.13
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP18H	1.06	38.41	39.05		39.06	0.000197	0.27	3.97	6.35	0.11
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP24H	1.37	38.41	39.12		39.13	0.000237	0.31	4.44	6.37	0.12
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP24H	0.83	38.41	39.00		39.00	0.000163	0.23	3.62	6.33	0.10
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP36H	1.01	38.41	39.04		39.04	0.000191	0.26	3.90	6.34	0.11
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP36H	0.60	38.41	38.93		38.93	0.000125	0.19	3.20	6.31	0.08
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP01H	7.64	38.41	39.83		39.87	0.000919	0.83	9.16	7.46	0.24
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP01H	11.46	38.41	39.95		40.02	0.001593	1.14	10.07	7.70	0.32
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP03H	1.06	38.41	39.05		39.06	0.000197	0.27	3.97	6.35	0.11
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP03H	7.91	38.41	39.84		39.88	0.000961	0.86	9.24	7.50	0.25
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP06H	4.75	38.41	39.65		39.67	0.000528	0.60	7.88	6.92	0.18
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP06H	3.19	38.41	39.45		39.46	0.000394	0.49	6.54	6.47	0.15
Sammontana	Sammontana 3	133	Max WS	IC_TR030_TP09H	2.29	38.41	39.31		39.31	0.000327	0.41	5.59	6.42	0.14
Sammontana	Sammontana 3	133	Max WS	IC_TR200_TP09H	3.49	38.41	39.50		39.51	0.000415	0.51	6.82	6.48	0.16
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP18H	1.70	38.41	39.19		39.20	0.000273	0.35	4.87	6.39	0.13
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP18H	1.06	38.41	39.05		39.06	0.000198	0.27	3.97	6.35	0.11
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP24H	1.37	38.41	39.12		39.13	0.000237	0.31	4.44	6.37	0.12
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP24H	0.83	38.41	39.00		39.00	0.000164	0.23	3.62	6.33	0.10
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP36H	1.01	38.41	39.04		39.04	0.000191	0.26	3.90	6.34	0.11
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP36H	0.60	38.41	38.93		38.93	0.000125	0.19	3.20	6.31	0.08
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP01H	7.64	38.41	39.83		39.87	0.000922	0.84	9.15	7.46	0.24
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP01H	11.46	38.41	39.95		40.02	0.001603	1.14	10.05	7.70	0.32
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP03H	1.06	38.41	39.05		39.06	0.000198	0.27	3.97	6.35	0.11
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP03H	7.91	38.41	39.84		39.88	0.000964	0.86	9.23	7.49	0.25
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP06H	4.75	38.41	39.65		39.67	0.000529	0.60	7.87	6.91	0.18
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP06H	3.19	38.41	39.45		39.46	0.000394	0.49	6.54	6.47	0.15
Sammontana	Sammontana 3	132	Max WS	IC_TR030_TP09H	2.29	38.41	39.30		39.31	0.000328	0.41	5.59	6.42	0.14
Sammontana	Sammontana 3	132	Max WS	IC_TR200_TP09H	3.49	38.41	39.50		39.51	0.000416	0.51	6.82	6.48	0.16
Sammontana	Sammontana 3	131.99												
Sammontana	Sammontana 3	131.98												
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP18H	1.70	38.49	39.09	39.94	39.16	0.006313	1.18	1.43	3.25	0.57
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP18H	1.06	38.49	38.96	38.85	39.02	0.006355	1.01	1.04	3.09	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP24H	1.37	38.49	39.03	38.89	39.09	0.006312	1.10	1.24	3.17	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP24H	0.83	38.49	38.91	38.81	38.96	0.006511	0.94	0.88	3.03	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP36H	1.01	38.49	38.95	38.84	39.00	0.006369	1.00	1.01	3.08	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP36H	0.60	38.49	38.85	38.77	38.89	0.006724	0.85	0.71	2.97	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP01H	6.65	38.49	39.67	39.42	39.82	0.007712	1.70	3.91	6.05	0.68
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP01H	8.77	38.49	39.84	39.60	40.00	0.006921	1.77	4.96	6.62	0.65
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP03H	1.06	38.49	38.96	38.85	39.02	0.006356	1.01	1.04	3.09	0.56
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP03H	6.80	38.49	39.69	39.44	39.84	0.007708	1.71	3.98	6.15	0.68
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP06H	4.70	38.49	39.49	39.25	39.62	0.007180	1.60	2.94	4.60	0.64
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP06H	3.19	38.49	39.32	39.11	39.42	0.006457	1.43	2.23	3.71	0.59
Sammontana	Sammontana 3	131	Max WS	IC_TR030_TP09H	2.29	38.49	39.19	39.01	39.27	0.006285	1.30	1.77	3.39	0.57
Sammontana	Sammontana 3	131	Max WS	IC_TR200_TP09H	3.49	38.49	39.36	39.14	39.47	0.006526	1.47	2.37	3.85	0.60
Sammontana	Sammontana 3	130.85												
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP18H	1.70	37.26	38.23		38.28	0.003301	0.98	1.74	3.22	0.42
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP18H	1.06	37.26	38.08		38.11	0.002973	0.83	1.27	2.78	0.39
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP24H	1.37	37.26	38.16		38.20	0.003143	0.91	1.51	3.02	0.41
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP24H	0.83	37.26	38.01		38.04	0.002799	0.77	1.09	2.59	0.38
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP36H	1.01	37.26	38.06		38.10	0.002935	0.82	1.23	2.74	0.39
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP36H	0.60	37.26	37.93		37.95	0.002541	0.68	0.88	2.36	0.35
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP01H	6.65	37.26	38.88		38.99	0.004229	1.51	4.41	5.03	0.52
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP01H	8.77	37.26	39.06		39.19	0.004557	1.63	5.39	5.70	0.53
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP03H	1.06	37.26	38.08		38.11	0.002973	0.83	1.27	2.78	0.39
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP03H	6.80	37.26	38.89		39.01	0.004223	1.52	4.48	5.05	0.52
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP06H	4.70	37.26	38.68		38.77	0.003984	1.35	3.47	4.49	0.49
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP06H	3.19	37.26	38.49		38.56	0.003731	1.20	2.66	3.95	0.47
Sammontana	Sammontana 3	130.84	Max WS	IC_TR030_TP09H	2.29	37.26	38.35		38.41	0.003509	1.08	2.13	3.55	0.44
Sammontana	Sammontana 3	130.84	Max WS	IC_TR200_TP09H	3.49	37.26	38.53		38.61	0.003804	1.23	2.83	4.07	0.47
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP18H	1.70	37.26	38.05		38.15	0.008674	1.40	1.21	2.72	0.67
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP18H	1.06	37.26	37.91		37.99	0.008572	1.23	0.86	2.33	0.65
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP24H	1.37	37.26	37.99		38.08	0.008585	1.32	1.04	2.54	0.66
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP24H	0.83	37.26	37.86		37.92	0.008358	1.15	0.72	2.16	0.63
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP36H	1.01	37.26	37.90		37.98	0.008535	1.22	0.83	2.29	0.65
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP36H	0.60	37.26	37.78		37.84	0.008122	1.04	0.58	1.96	0.61
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP01H	6.65	37.26	38.64		38.85	0.009290	2.03	3.28	4.37	0.75
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP01H	8.77	37.26	38.81		39.04	0.009218	2.17	4.05	4.84	0.76
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP03H	1.06	37.26	37.91		37.99	0.008572	1.23	0.86	2.33	0.65
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP03H	6.80	37.26	38.65		38.86	0.009322	2.04	3.33	4.40	0.75
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP06H	4.70	37.26	38.47		38.64	0.008836	1.82	2.58	3.89	0.72
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP06H	3.19	37.26	38.29		38.43	0.008798	1.65	1.93	3.39	0.70
Sammontana	Sammontana 3	130	Max WS	IC_TR030_TP09H	2.29	37.26	38.16		38.28	0.008719	1.51	1.51	3.02	0.68
Sammontana	Sammontana 3	130	Max WS	IC_TR200_TP09H	3.49	37.26	38.33		38.47	0.008839	1.69	2.06	3.49	0.70
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP18H	1.70	37.01	37.91		37.97	0.004447	1.10	1.54	2.98	0.49
Sammontana	Sammontana 3	129.50	Max WS	IC_TR030_TP18H	1.06	37.01	37.79		37.83	0.003503	0.89	1.18	2.64	0.42
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP24H	1.37	37.01	37.85		37.90	0.004002	1.00	1.37	2.82	0.46
Sammontana	Sammontana 3	129.50	Max WS	IC_TR030_TP24H	0.83	37.01	37.73		37.77	0.002995	0.79	1.05	2.50	0.39
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP36H	1.01	37.01	37.77		37.81	0.003406	0.87	1.16	2.61	0.42
Sammontana	Sammontana 3	129.50	Max WS	IC_TR030_TP36H	0.60	37.01	37.67		37.69	0.002417	0.67	0.90	2.33	0.35
Sammontana	Sammontana 3	129.50	Max WS	IC_TR030_TP01H	6.65	37.01	38.42		38.62	0.008288	1.96	3.40	4.32	0.70
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP01H	8.77	37.01	38.50		38.78	0.011009	2.34	3.75	4.50	0.82
Sammontana	Sammontana 3	129.50	Max WS	IC_TR030_TP03H	1.06	37.01	37.79		37.83	0.003503	0.89	1.18	2.64	0.42
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP03H	6.80	37.01	38.43		38.63	0.008462	1.98	3.43	4.34	0.71
Sammontana	Sammontana 3	129.50	Max WS	IC_TR200_TP06H	4.70	37.01	38.29		38.43	0.006531	1.64	2.86	3.98	0.62
Sammontana	Sammontana 3	129.50	Max WS	IC_TR03										

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP18H	1.70	36.76	37.32	37.39	37.61	0.034316	2.37	0.72	2.02	1.27
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP18H	1.06	36.76	37.21	37.26	37.44	0.035995	2.13	0.50	1.72	1.27
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP24H	1.37	36.76	37.27	37.33	37.53	0.034539	2.25	0.61	1.88	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP24H	0.83	36.76	37.16	37.20	37.36	0.036765	2.01	0.41	1.60	1.27
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP36H	1.01	36.76	37.20	37.25	37.42	0.035919	2.10	0.48	1.70	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP36H	0.61	36.76	37.10	37.14	37.28	0.037675	1.86	0.32	1.45	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP01H	5.80	36.76	37.77	37.90	38.29	0.028152	3.21	1.86	3.12	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP01H	6.48	36.76	37.82	37.96	38.37	0.028006	3.31	2.02	3.25	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP03H	1.06	36.76	37.21	37.26	37.44	0.035995	2.13	0.50	1.72	1.27
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP03H	5.86	36.76	37.77	37.90	38.29	0.028011	3.22	1.87	3.13	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP06H	4.69	36.76	37.67	37.79	38.14	0.029128	3.04	1.57	2.88	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP06H	3.19	36.76	37.52	37.61	37.91	0.031262	2.75	1.16	2.51	1.26
Sammontana	Sammontana 3	128.75	Max WS	IC TR030 TP09H	2.29	36.76	37.41	37.49	37.74	0.033417	2.54	0.90	2.24	1.27
Sammontana	Sammontana 3	128.75	Max WS	IC TR200 TP09H	3.49	36.76	37.55	37.65	37.96	0.030735	2.82	1.24	2.59	1.26
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP18H	1.70	35.91	36.59		36.75	0.015604	1.77	0.96	2.31	0.88
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP18H	1.06	35.91	36.46		36.58	0.015942	1.58	0.67	1.97	0.86
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP24H	1.37	35.91	36.53		36.67	0.015599	1.67	0.82	2.16	0.87
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP24H	0.83	35.91	36.40		36.51	0.015878	1.48	0.56	1.83	0.85
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP36H	1.01	35.91	36.45		36.57	0.015913	1.56	0.65	1.94	0.86
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP36H	0.61	35.91	36.33		36.43	0.016002	1.36	0.44	1.66	0.84
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP01H	5.79	35.91	37.09		37.38	0.015139	2.37	2.44	3.61	0.92
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP01H	6.37	35.91	37.15		37.44	0.015070	2.42	2.63	3.76	0.93
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP03H	1.06	35.91	36.46		36.58	0.015942	1.58	0.67	1.97	0.86
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP03H	5.84	35.91	37.10		37.39	0.015119	2.38	2.46	3.63	0.92
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP06H	4.69	35.91	36.99		37.25	0.015234	2.26	2.07	3.32	0.91
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP06H	3.19	35.91	36.82		37.04	0.015334	2.06	1.55	2.89	0.90
Sammontana	Sammontana 3	128.50	Max WS	IC TR030 TP09H	2.29	35.91	36.69		36.88	0.015466	1.90	1.21	2.57	0.89
Sammontana	Sammontana 3	128.50	Max WS	IC TR200 TP09H	3.49	35.91	36.85		37.08	0.015402	2.11	1.65	2.98	0.90
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP18H	1.70	35.49	36.19		36.34	0.013765	1.68	1.01	2.37	0.83
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP18H	1.06	35.49	36.06		36.17	0.013804	1.48	0.71	2.03	0.80
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP24H	1.37	35.49	36.13		36.26	0.013844	1.59	0.86	2.21	0.81
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP24H	0.83	35.49	36.00		36.10	0.013882	1.40	0.60	1.88	0.79
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP36H	1.01	35.49	36.05		36.16	0.013474	1.46	0.69	2.00	0.79
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP36H	0.60	35.49	35.93		36.01	0.013317	1.27	0.48	1.70	0.77
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP01H	5.79	35.49	36.69		36.96	0.014370	2.31	2.51	3.74	0.90
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP01H	6.37	35.49	36.73		37.02	0.014723	2.38	2.68	3.92	0.92
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP03H	1.06	35.49	36.06		36.17	0.013804	1.48	0.71	2.03	0.80
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP03H	5.84	35.49	36.69		36.97	0.014386	2.32	2.52	3.75	0.90
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP06H	4.69	35.49	36.59		36.83	0.014008	2.18	2.15	3.43	0.88
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP06H	3.19	35.49	36.42		36.62	0.013820	1.98	1.61	2.95	0.86
Sammontana	Sammontana 3	128.25	Max WS	IC TR030 TP09H	2.29	35.49	36.29		36.46	0.013876	1.82	1.26	2.63	0.84
Sammontana	Sammontana 3	128.25	Max WS	IC TR200 TP09H	3.49	35.49	36.46		36.66	0.013825	2.02	1.72	3.05	0.86
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP18H	1.70	35.07	35.74		35.91	0.016825	1.81	0.94	2.30	0.91
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP18H	1.06	35.07	35.61		35.74	0.017095	1.61	0.65	1.96	0.89
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP24H	1.37	35.07	35.68		35.83	0.016733	1.71	0.80	2.14	0.89
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP24H	0.83	35.07	35.55		35.67	0.017113	1.52	0.55	1.81	0.88
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP36H	1.01	35.07	35.60		35.73	0.017088	1.59	0.63	1.93	0.89
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP36H	0.60	35.07	35.48		35.58	0.017245	1.40	0.43	1.64	0.87
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP01H	5.79	35.07	36.22	36.21	36.53	0.017240	2.45	2.36	3.73	0.98
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP01H	6.37	35.07	36.27	36.26	36.59	0.017338	2.51	2.54	3.90	0.99
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP03H	1.06	35.07	35.61		35.74	0.017095	1.61	0.65	1.96	0.89
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP03H	5.84	35.07	36.23	36.22	36.53	0.017247	2.46	2.38	3.75	0.98
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP06H	4.69	35.07	36.12	36.10	36.40	0.017028	2.33	2.01	3.38	0.96
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP06H	3.19	35.07	35.96		36.19	0.016671	2.12	1.51	2.86	0.93
Sammontana	Sammontana 3	128	Max WS	IC TR030 TP09H	2.29	35.07	35.84		36.03	0.016617	1.95	1.18	2.55	0.92
Sammontana	Sammontana 3	128	Max WS	IC TR200 TP09H	3.49	35.07	36.00		36.24	0.016586	2.16	1.61	2.96	0.94
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP18H	1.70	34.72	35.40		35.56	0.016369	1.78	0.95	2.38	0.90
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP18H	1.06	34.72	35.28		35.40	0.015390	1.54	0.68	2.07	0.86
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP24H	1.37	34.72	35.34		35.48	0.015786	1.67	0.82	2.24	0.88
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP24H	0.83	34.72	35.23		35.33	0.015059	1.44	0.58	1.93	0.84
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP36H	1.01	34.72	35.27		35.39	0.015171	1.51	0.67	2.04	0.85
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP36H	0.60	34.72	35.16		35.25	0.014573	1.30	0.46	1.76	0.81
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP01H	5.79	34.72	35.86	35.86	36.17	0.017432	2.46	2.35	3.78	1.00
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP01H	6.37	34.72	35.90	35.90	36.23	0.017544	2.52	2.52	3.92	1.01
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP03H	1.06	34.72	35.28		35.40	0.015389	1.54	0.68	2.07	0.86
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP03H	5.84	34.72	35.86	35.86	36.17	0.017449	2.47	2.37	3.79	1.00
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP06H	4.69	34.72	35.76	35.75	36.04	0.017375	2.34	2.00	3.46	0.98
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP06H	3.19	34.72	35.60	35.58	35.83	0.017161	2.13	1.50	2.94	0.95
Sammontana	Sammontana 3	127.75	Max WS	IC TR030 TP09H	2.29	34.72	35.49		35.68	0.017074	1.96	1.17	2.62	0.94
Sammontana	Sammontana 3	127.75	Max WS	IC TR200 TP09H	3.49	34.72	35.64	35.62	35.88	0.017148	2.16	1.60	3.05	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP18H	1.70	34.36	35.02	35.01	35.20	0.018456	1.86	0.91	2.39	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR030 TP18H	1.06	34.36	34.89	34.88	35.04	0.019589	1.68	0.63	2.04	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP24H	1.37	34.36	34.96	34.95	35.12	0.019019	1.78	0.77	2.22	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR030 TP24H	0.83	34.36	34.84	34.83	34.97	0.020264	1.59	0.52	1.89	0.97
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP36H	1.01	34.36	34.88	34.87	35.02	0.019589	1.66	0.61	2.01	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR030 TP36H	0.60	34.36	34.78	34.77	34.89	0.019999	1.45	0.42	1.72	0.94
Sammontana	Sammontana 3	127.50	Max WS	IC TR030 TP01H	5.79	34.36	35.49	35.49	35.80	0.017271	2.46	2.36	3.81	1.00
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP01H	6.37	34.36	35.54	35.54	35.86	0.017375	2.52	2.53	3.95	1.01
Sammontana	Sammontana 3	127.50	Max WS	IC TR030 TP03H	1.06	34.36	34.89	34.88	35.04	0.019589	1.68	0.63	2.04	0.96
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP03H	5.84	34.36	35.49	35.49	35.80	0.017283	2.46	2.37	3.82	1.00
Sammontana	Sammontana 3	127.50	Max WS	IC TR200 TP06H	4.69	34.36	35.40	35.39	35.67	0.017351	2.34	2.01	3.51	0.99
Sammontana	Sammontana 3	127.50	Max WS											

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 3	127	Max WS	IC TR030 TP01H	5.79	33.66	34.96		35.12	0.007014	1.78	3.25	4.10	0.64
Sammontana	Sammontana 3	127	Max WS	IC TR200 TP01H	6.36	33.66	34.96		35.16	0.008314	1.95	3.27	4.10	0.70
Sammontana	Sammontana 3	127	Max WS	IC TR030 TP03H	1.06	33.66	34.53		34.55	0.001506	0.64	1.64	3.18	0.29
Sammontana	Sammontana 3	127	Max WS	IC TR200 TP03H	5.84	33.66	34.96		35.12	0.007130	1.80	3.25	4.10	0.64
Sammontana	Sammontana 3	127	Max WS	IC TR200 TP06H	4.69	33.66	34.95		35.06	0.004810	1.47	3.20	4.10	0.53
Sammontana	Sammontana 3	127	Max WS	IC TR030 TP06H	3.19	33.66	34.92		34.97	0.002459	1.03	3.09	4.10	0.38
Sammontana	Sammontana 3	127	Max WS	IC TR030 TP09H	2.29	33.66	34.86		34.90	0.001595	0.80	2.86	4.10	0.31
Sammontana	Sammontana 3	127	Max WS	IC TR200 TP09H	3.49	33.66	34.93		34.99	0.002852	1.12	3.12	4.10	0.41
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP18H	1.70	33.63	34.67		34.70	0.002132	0.84	2.03	3.37	0.34
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP18H	1.06	33.63	34.48		34.50	0.002058	0.73	1.44	2.87	0.33
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP24H	1.37	33.63	34.58		34.61	0.002097	0.79	1.74	3.14	0.34
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP24H	0.83	33.63	34.39		34.42	0.002031	0.69	1.21	2.65	0.32
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP36H	1.01	33.63	34.46		34.49	0.002053	0.72	1.40	2.83	0.33
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP36H	0.60	33.63	34.29		34.31	0.002006	0.63	0.96	2.38	0.32
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP01H	4.00	33.63	34.96		35.04	0.003691	1.28	3.12	3.94	0.46
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP01H	4.38	33.63	34.96		35.06	0.004308	1.39	3.15	3.94	0.50
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP03H	1.06	33.63	34.48		34.50	0.002058	0.73	1.44	2.87	0.33
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP03H	4.03	33.63	34.96		35.04	0.003740	1.29	3.12	3.94	0.46
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP06H	3.35	33.63	34.93		35.00	0.002818	1.11	3.03	3.94	0.40
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP06H	2.69	33.63	34.88		34.93	0.002235	0.95	2.82	3.93	0.36
Sammontana	Sammontana 3	126.67	Max WS	IC TR030 TP09H	2.29	33.63	34.80		34.85	0.002179	0.91	2.52	3.75	0.35
Sammontana	Sammontana 3	126.67	Max WS	IC TR200 TP09H	2.79	33.63	34.89		34.94	0.002287	0.97	2.87	3.94	0.36
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP18H	1.70	33.61	34.59		34.63	0.002926	0.95	1.79	2.99	0.39
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP18H	1.06	33.61	34.40		34.44	0.002759	0.82	1.28	2.57	0.37
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP24H	1.37	33.61	34.50		34.54	0.002849	0.89	1.54	2.80	0.38
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP24H	0.83	33.61	34.32		34.35	0.002708	0.77	1.08	2.38	0.36
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP36H	1.01	33.61	34.39		34.42	0.002751	0.81	1.24	2.53	0.37
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP36H	0.60	33.61	34.22		34.25	0.002649	0.70	0.85	2.14	0.36
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP01H	3.31	33.61	34.90		34.97	0.003207	1.16	2.85	3.75	0.42
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP01H	3.45	33.61	34.92		34.99	0.003256	1.18	2.93	3.77	0.43
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP03H	1.06	33.61	34.40		34.44	0.002759	0.82	1.28	2.57	0.37
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP03H	3.32	33.61	34.90		34.97	0.003213	1.16	2.86	3.75	0.43
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP06H	3.06	33.61	34.86		34.93	0.003171	1.13	2.70	3.66	0.42
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP06H	2.67	33.61	34.79		34.85	0.003101	1.09	2.46	3.49	0.41
Sammontana	Sammontana 3	126.33	Max WS	IC TR030 TP09H	2.29	33.61	34.72		34.77	0.003031	1.04	2.21	3.31	0.41
Sammontana	Sammontana 3	126.33	Max WS	IC TR200 TP09H	2.75	33.61	34.81		34.87	0.003108	1.10	2.51	3.52	0.41
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP18H	1.70	33.58	34.47		34.54	0.004176	1.09	1.55	2.63	0.45
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP18H	1.06	33.58	34.31		34.35	0.003653	0.92	1.14	2.29	0.42
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP24H	1.37	33.58	34.40		34.45	0.003946	1.01	1.35	2.47	0.44
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP24H	0.83	33.58	34.23		34.27	0.003456	0.85	0.98	2.13	0.40
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP36H	1.01	33.58	34.29		34.34	0.003623	0.91	1.11	2.26	0.41
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP36H	0.60	33.58	34.14		34.17	0.003228	0.76	0.79	1.94	0.38
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP01H	3.31	33.58	34.76		34.86	0.005055	1.39	2.38	3.21	0.51
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP01H	3.43	33.58	34.78		34.88	0.005095	1.40	2.44	3.25	0.52
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP03H	1.06	33.58	34.31		34.35	0.003653	0.92	1.14	2.29	0.42
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP03H	3.32	33.58	34.76		34.86	0.005061	1.39	2.39	3.21	0.51
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP06H	3.06	33.58	34.72		34.82	0.004956	1.35	2.27	3.13	0.51
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP06H	2.67	33.58	34.66		34.75	0.004736	1.28	2.08	3.01	0.49
Sammontana	Sammontana 3	126	Max WS	IC TR030 TP09H	2.29	33.58	34.59		34.67	0.004548	1.22	1.88	2.87	0.48
Sammontana	Sammontana 3	126	Max WS	IC TR200 TP09H	2.75	33.58	34.68		34.76	0.004766	1.30	2.12	3.04	0.50
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP18H	1.70	33.40	34.14		34.28	0.012816	1.63	1.04	2.39	0.79
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP18H	1.06	33.40	34.01		34.11	0.012411	1.43	0.74	2.03	0.76
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP24H	1.37	33.40	34.08		34.20	0.012670	1.54	0.89	2.22	0.78
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP24H	0.83	33.40	33.95		34.04	0.012127	1.34	0.62	1.87	0.74
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP36H	1.01	33.40	33.99		34.10	0.012359	1.41	0.71	2.00	0.76
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP36H	0.60	33.40	33.88		33.95	0.011699	1.22	0.49	1.68	0.72
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP01H	3.31	33.40	34.38		34.58	0.013363	1.96	1.69	3.03	0.84
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP01H	3.43	33.40	34.40		34.60	0.013406	1.98	1.73	3.07	0.84
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP03H	1.06	33.40	34.01		34.11	0.012411	1.43	0.74	2.03	0.76
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP03H	3.32	33.40	34.38		34.58	0.013375	1.96	1.69	3.04	0.84
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP06H	3.06	33.40	34.35		34.54	0.013217	1.91	1.60	2.95	0.83
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP06H	2.67	33.40	34.30		34.47	0.013247	1.85	1.44	2.81	0.83
Sammontana	Sammontana 3	125	Max WS	IC TR030 TP09H	2.29	33.40	34.24		34.40	0.013047	1.77	1.29	2.66	0.81
Sammontana	Sammontana 3	125	Max WS	IC TR200 TP09H	2.75	33.40	34.31		34.49	0.013277	1.87	1.47	2.84	0.83
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP18H	1.70	33.01	33.72		33.87	0.014583	1.72	0.99	2.36	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP18H	1.06	33.01	33.57		33.70	0.015365	1.56	0.68	1.97	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP24H	1.37	33.01	33.65		33.79	0.014865	1.64	0.84	2.18	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP24H	0.83	33.01	33.51		33.62	0.015601	1.47	0.56	1.81	0.84
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP36H	1.01	33.01	33.56		33.68	0.015414	1.54	0.65	1.94	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP36H	0.60	33.01	33.44		33.54	0.016111	1.37	0.44	1.62	0.84
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP01H	3.31	33.01	33.96		34.17	0.013968	2.00	1.66	3.04	0.86
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP01H	3.43	33.01	33.98		34.19	0.013912	2.01	1.71	3.09	0.86
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP03H	1.06	33.01	33.57		33.70	0.015365	1.56	0.68	1.97	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP03H	3.32	33.01	33.97		34.17	0.013958	2.00	1.66	3.05	0.86
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP06H	3.06	33.01	33.93		34.13	0.013962	1.96	1.56	2.96	0.86
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP06H	2.67	33.01	33.88		34.06	0.014100	1.90	1.41	2.81	0.86
Sammontana	Sammontana 3	124.33	Max WS	IC TR030 TP09H	2.29	33.01	33.82		33.99	0.014227	1.83	1.25	2.65	0.85
Sammontana	Sammontana 3	124.33	Max WS	IC TR200 TP09H	2.75	33.01	33.89		34.08	0.014047	1.91	1.44	2.84	0.86
Sammontana	Sammontana 3	123.67	Max WS	IC TR200 TP18H	1.70	32.62	33.45		33.53	0.006234	1.25	1.36	2.77	0.57
Sammontana	Sammontana 3	123.67	Max WS	IC TR030 TP18H	1.06	32.62	33.30		33.36	0.005766	1.08	0.98	2.35	0.53
Sammontana	Sammontana 3	123.67	Max WS	IC TR200 TP24H	1.37	32.62	33.38		33.45	0.005904	1.16	1.18	2.58	0.55
Sammontana	Sammontana 3	123.67	Max WS	IC TR030 TP24H	0.83	32.62	33.23		33.29	0.005670	1.01	0.82	2.17	0.52
Sammontana	Sammontana 3	123.67	Max WS	IC TR200 TP36H	1.01	32.62	33.29		33.34	0.005789	1.07	0.94	2.31	0.53
Sammontana	Sammontana 3													



HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 3	118	Max WS	IC_TR030_TP09H	2.29	30.21	31.04	30.70	31.11	0.002414	1.21	1.90	2.42	0.44
Sammontana	Sammontana 3	118	Max WS	IC_TR200_TP09H	2.75	30.21	31.14	30.76	31.22	0.002513	1.29	2.13	2.43	0.44
Sammontana	Sammontana 3	117.5			Bridge									
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP18H	1.70	30.14	30.75		30.83	0.011205	1.25	1.36	2.40	0.53
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP18H	1.06	30.14	30.60		30.66	0.010080	1.04	1.02	2.39	0.51
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP24H	1.37	30.14	30.68		30.75	0.010593	1.15	1.19	2.39	0.52
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP24H	0.83	30.14	30.55		30.59	0.009650	0.94	0.88	2.38	0.50
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP36H	1.01	30.14	30.59		30.65	0.009998	1.02	0.99	2.39	0.51
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP36H	0.60	30.14	30.48		30.52	0.009337	0.84	0.72	2.38	0.49
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP01H	3.13	30.14	30.93		31.09	0.016678	1.73	1.81	2.42	0.64
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP01H	3.12	30.14	30.94		31.09	0.015966	1.70	1.83	2.42	0.62
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP03H	1.06	30.14	30.60		30.66	0.010080	1.04	1.02	2.39	0.51
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP03H	3.09	30.14	30.94		31.09	0.016019	1.70	1.82	2.42	0.62
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP06H	2.98	30.14	30.92		31.06	0.015858	1.67	1.78	2.42	0.62
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP06H	2.67	30.14	30.89		31.01	0.014546	1.57	1.70	2.41	0.60
Sammontana	Sammontana 3	117	Max WS	IC_TR030_TP09H	2.29	30.14	30.84		30.95	0.013016	1.44	1.58	2.41	0.57
Sammontana	Sammontana 3	117	Max WS	IC_TR200_TP09H	2.75	30.14	30.90		31.03	0.014869	1.60	1.72	2.41	0.60
Sammontana	Sammontana 3	116.99			Lat Struct									
Sammontana	Sammontana 3	116.98			Lat Struct									
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP18H	1.70	30.09	30.58		30.76	0.034316	1.91	0.89	2.07	0.93
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP18H	1.06	30.09	30.46		30.60	0.032242	1.60	0.66	2.05	0.90
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP24H	1.37	30.09	30.52		30.68	0.033281	1.77	0.78	2.06	0.92
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP24H	0.83	30.09	30.42		30.53	0.031268	1.46	0.57	2.04	0.89
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP36H	1.01	30.09	30.46		30.58	0.032057	1.58	0.64	2.05	0.90
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP36H	0.60	30.09	30.37		30.45	0.030925	1.30	0.46	2.03	0.87
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP01H	3.10	30.09	30.83		31.04	0.030539	2.01	1.54	3.16	0.92
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP01H	3.11	30.09	30.85		31.04	0.027755	1.94	1.61	3.25	0.88
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP03H	1.06	30.09	30.46		30.60	0.032242	1.60	0.66	2.05	0.90
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP03H	3.14	30.09	30.83		31.05	0.031226	2.03	1.55	3.16	0.93
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP06H	2.92	30.09	30.81		31.01	0.030557	1.99	1.47	3.05	0.91
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP06H	2.67	30.09	30.75	30.73	30.97	0.035436	2.07	1.29	2.75	0.97
Sammontana	Sammontana 3	116.50	Max WS	IC_TR030_TP09H	2.29	30.09	30.68	30.66	30.89	0.035925	2.05	1.12	2.42	0.96
Sammontana	Sammontana 3	116.50	Max WS	IC_TR200_TP09H	2.75	30.09	30.76	30.74	30.98	0.034301	2.06	1.34	2.83	0.96
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP18H	1.70	30.04	30.55	30.42	30.61	0.009832	1.08	1.57	4.39	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP18H	1.06	30.04	30.44	30.33	30.48	0.010484	0.96	1.09	3.82	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP24H	1.37	30.04	30.50	30.38	30.55	0.010084	1.03	1.34	4.12	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP24H	0.83	30.04	30.39	30.29	30.43	0.010809	0.91	0.91	3.58	0.57
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP36H	1.01	30.04	30.43	30.32	30.47	0.010533	0.95	1.06	3.77	0.57
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP36H	0.60	30.04	30.33	30.25	30.37	0.011330	0.84	0.72	3.30	0.57
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP01H	3.18	30.04	30.75	30.57	30.83	0.009312	1.26	2.52	5.31	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP01H	3.24	30.04	30.75	30.58	30.83	0.009343	1.27	2.55	5.32	0.59
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP03H	1.06	30.04	30.44	30.33	30.48	0.010484	0.96	1.09	3.82	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP03H	3.20	30.04	30.75	30.57	30.83	0.009366	1.27	2.53	5.31	0.59
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP06H	3.02	30.04	30.73	30.56	30.81	0.009385	1.24	2.43	5.27	0.59
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP06H	2.68	30.04	30.69	30.52	30.76	0.009330	1.20	2.23	5.07	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR030_TP09H	2.29	30.04	30.64	30.48	30.71	0.009410	1.15	1.98	4.83	0.58
Sammontana	Sammontana 3	116	Max WS	IC_TR200_TP09H	2.76	30.04	30.70	30.53	30.78	0.009332	1.21	2.28	5.13	0.58
Sammontana	Sammontana 3	115.6			Ini Struct									
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP18H	1.70	26.85	27.79		27.81	0.001462	0.57	2.96	4.87	0.24
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP18H	1.06	26.85	27.48		27.50	0.003010	0.65	1.61	3.82	0.32
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP24H	1.37	26.85	27.67		27.69	0.001684	0.57	2.41	4.47	0.25
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP24H	0.83	26.85	27.38		27.41	0.003725	0.66	1.26	3.50	0.35
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP36H	1.01	26.85	27.46		27.48	0.003148	0.66	1.54	3.75	0.33
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP36H	0.60	26.85	27.29		27.31	0.004341	0.63	0.95	3.18	0.37
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP01H	3.13	26.85	28.24		28.26	0.000885	0.57	5.48	5.90	0.19
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP01H	3.24	26.85	28.35		28.37	0.000679	0.53	6.14	5.90	0.17
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP03H	1.06	26.85	27.46		27.48	0.003474	0.69	1.53	3.75	0.34
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP03H	3.18	26.85	28.39		28.41	0.000587	0.50	6.38	5.90	0.15
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP06H	2.99	26.85	28.33		28.34	0.000623	0.50	5.98	5.90	0.16
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP06H	2.67	26.85	28.06		28.08	0.001220	0.61	4.41	5.80	0.22
Sammontana	Sammontana 3	115.50	Max WS	IC_TR030_TP09H	2.28	26.85	27.95		27.97	0.001354	0.60	3.78	5.42	0.23
Sammontana	Sammontana 3	115.50	Max WS	IC_TR200_TP09H	2.76	26.85	28.23		28.24	0.000728	0.51	5.38	5.90	0.17
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP18H	1.70	26.80	27.78		27.80	0.001641	0.62	2.75	4.26	0.25
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP18H	1.06	26.80	27.46		27.48	0.003224	0.69	1.53	3.42	0.33
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP24H	1.37	26.80	27.66		27.68	0.001832	0.61	2.26	3.95	0.26
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP24H	0.83	26.80	27.36		27.39	0.003941	0.69	1.20	3.15	0.36
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP36H	1.01	26.80	27.44		27.46	0.003361	0.69	1.46	3.36	0.33
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP36H	0.60	26.80	27.26		27.29	0.004445	0.66	0.92	2.87	0.37
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP01H	3.13	26.80	28.23		28.25	0.001113	0.63	4.97	5.48	0.21
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP01H	3.21	26.80	28.35		28.36	0.000851	0.57	5.61	5.78	0.19
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP03H	1.06	26.80	27.44		27.46	0.003768	0.73	1.45	3.36	0.35
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP03H	3.15	26.80	28.39		28.40	0.000732	0.54	5.84	5.89	0.17
Sammontana	Sammontana 3	115.00	Max WS	IC_TR200_TP06H	2.99	26.80	28.32		28.34	0.000788	0.55	5.47	5.72	0.18
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP06H	2.66	26.80	28.05		28.07	0.001448	0.66	4.01	4.99	0.24
Sammontana	Sammontana 3	115.00	Max WS	IC_TR030_TP09H	2.28	26.80	27.94		27.96	0.001578	0.66	3.47	4.69	0.24
Sammontana	Sammontana 3	115.00	Max WS											

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 2	114	Max WS	IC_TR200_TP06H	5.04	26.66	28.29		28.32	0.000501	0.82	6.12	5.83	0.26
Sammontana	Sammontana 2	114	Max WS	IC_TR030_TP06H	3.80	26.66	28.02		28.05	0.000613	0.82	4.61	5.19	0.28
Sammontana	Sammontana 2	114	Max WS	IC_TR030_TP09H	3.26	26.66	27.90		27.94	0.000650	0.81	4.04	4.93	0.28
Sammontana	Sammontana 2	114	Max WS	IC_TR200_TP09H	4.48	26.66	28.19		28.22	0.000521	0.81	5.53	5.59	0.26
Sammontana	Sammontana 2	113.89			Lat Struct									
Sammontana	Sammontana 2	113.88			Lat Struct									
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP18H	2.52	26.45	27.74		27.76	0.000408	0.64	3.94	4.73	0.22
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP18H	1.37	26.45	27.41		27.42	0.000401	0.54	2.53	3.93	0.21
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP24H	2.07	26.45	27.62		27.64	0.000413	0.61	3.39	4.44	0.22
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP24H	1.05	26.45	27.30		27.32	0.000383	0.49	2.12	3.67	0.21
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP36H	1.30	26.45	27.39		27.40	0.000400	0.53	2.44	3.87	0.21
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP36H	0.75	26.45	27.20		27.21	0.000327	0.43	1.76	3.42	0.19
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP01H	4.72	26.45	28.19		28.22	0.000393	0.74	6.37	5.86	0.23
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP01H	4.94	26.45	28.31		28.34	0.000325	0.70	7.08	6.15	0.21
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP03H	1.36	26.45	27.38		27.39	0.000465	0.57	2.39	3.84	0.23
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP03H	5.48	26.45	28.35		28.37	0.000371	0.75	7.28	6.23	0.22
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP06H	5.11	26.45	28.28		28.31	0.000374	0.74	6.89	6.07	0.22
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP06H	3.79	26.45	28.01		28.04	0.000411	0.71	5.33	5.40	0.23
Sammontana	Sammontana 2	113	Max WS	IC_TR030_TP09H	3.26	26.45	27.90		27.92	0.000418	0.69	4.73	5.13	0.23
Sammontana	Sammontana 2	113	Max WS	IC_TR200_TP09H	4.50	26.45	28.18		28.21	0.000370	0.72	6.28	5.82	0.22
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP18H	2.52	26.37	27.72		27.74	0.000394	0.64	3.96	4.52	0.22
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP18H	1.37	26.37	27.40		27.41	0.000352	0.52	2.62	3.76	0.20
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP24H	2.07	26.37	27.60		27.62	0.000388	0.60	3.44	4.24	0.21
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP24H	1.05	26.37	27.29		27.30	0.000319	0.47	2.23	3.51	0.19
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP36H	1.30	26.37	27.37		27.39	0.000348	0.51	2.53	3.70	0.20
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP36H	0.75	26.37	27.19		27.20	0.000254	0.40	1.90	3.28	0.17
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP01H	4.72	26.37	28.18		28.21	0.000404	0.75	6.27	5.59	0.23
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP01H	4.94	26.37	28.30		28.32	0.000334	0.71	6.97	5.88	0.21
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP03H	1.36	26.37	27.36		27.37	0.000406	0.55	2.48	3.67	0.21
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP03H	5.53	26.37	28.33		28.36	0.000393	0.77	7.14	5.94	0.23
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP06H	5.16	26.37	28.26		28.29	0.000395	0.76	6.77	5.80	0.23
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP06H	3.79	26.37	27.99		28.02	0.000414	0.72	5.28	5.16	0.23
Sammontana	Sammontana 2	111.9	Max WS	IC_TR030_TP09H	3.26	26.37	27.88		27.90	0.000415	0.69	4.71	4.89	0.23
Sammontana	Sammontana 2	111.9	Max WS	IC_TR200_TP09H	4.52	26.37	28.16		28.19	0.000383	0.73	6.19	5.56	0.22
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP18H	2.54	26.30	27.71		27.73	0.000331	0.60	4.25	4.65	0.20
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP18H	1.37	26.30	27.39		27.40	0.000279	0.48	2.86	3.90	0.18
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP24H	2.08	26.30	27.59		27.61	0.000320	0.56	3.71	4.37	0.19
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP24H	1.05	26.30	27.28		27.29	0.000244	0.43	2.47	3.65	0.17
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP36H	1.31	26.30	27.37		27.38	0.000273	0.47	2.78	3.84	0.18
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP36H	0.75	26.30	27.19		27.19	0.000187	0.35	2.12	3.42	0.14
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP01H	4.87	26.30	28.17		28.19	0.000376	0.74	6.60	5.71	0.22
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP01H	5.16	26.30	28.29		28.31	0.000321	0.71	7.31	5.99	0.20
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP03H	1.37	26.30	27.35		27.36	0.000320	0.50	2.72	3.81	0.19
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP03H	5.66	26.30	28.32		28.35	0.000362	0.76	7.49	6.06	0.22
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP06H	5.24	26.30	28.25		28.28	0.000356	0.74	7.11	5.92	0.21
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP06H	3.84	26.30	27.98		28.01	0.000363	0.69	5.59	5.28	0.21
Sammontana	Sammontana 2	111.60	Max WS	IC_TR030_TP09H	3.29	26.30	27.87		27.89	0.000357	0.66	5.01	5.02	0.21
Sammontana	Sammontana 2	111.60	Max WS	IC_TR200_TP09H	4.58	26.30	28.15		28.18	0.000340	0.70	6.53	5.68	0.21
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP18H	2.56	26.22	27.71		27.72	0.000279	0.56	4.55	4.79	0.18
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP18H	1.38	26.22	27.38		27.39	0.000222	0.44	3.13	4.04	0.16
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP24H	2.10	26.22	27.59		27.60	0.000265	0.52	4.00	4.51	0.18
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP24H	1.06	26.22	27.28		27.29	0.000189	0.39	2.72	3.80	0.15
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP36H	1.31	26.22	27.36		27.37	0.000216	0.43	3.04	3.99	0.16
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP36H	0.75	26.22	27.18		27.19	0.000140	0.32	2.36	3.57	0.12
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP01H	5.03	26.22	28.16		28.18	0.000350	0.73	6.94	5.83	0.21
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP01H	5.39	26.22	28.28		28.30	0.000308	0.70	7.67	6.11	0.20
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP03H	1.38	26.22	27.34		27.36	0.000253	0.46	2.97	3.95	0.17
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP03H	5.79	26.22	28.31		28.34	0.000333	0.74	7.85	6.18	0.21
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP06H	5.32	26.22	28.25		28.27	0.000321	0.71	7.48	6.04	0.20
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP06H	3.89	26.22	27.98		28.00	0.000318	0.66	5.93	5.41	0.20
Sammontana	Sammontana 2	111.30	Max WS	IC_TR030_TP09H	3.32	26.22	27.86		27.88	0.000308	0.62	5.33	5.15	0.20
Sammontana	Sammontana 2	111.30	Max WS	IC_TR200_TP09H	4.63	26.22	28.15		28.17	0.000302	0.67	6.89	5.81	0.20
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP18H	2.58	26.15	27.70		27.71	0.000237	0.53	4.86	4.92	0.17
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP18H	1.39	26.15	27.38		27.39	0.000179	0.41	3.40	4.18	0.14
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP24H	2.11	26.15	27.58		27.59	0.000221	0.49	4.29	4.64	0.16
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP24H	1.06	26.15	27.28		27.28	0.000148	0.36	2.98	3.94	0.13
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP36H	1.32	26.15	27.36		27.37	0.000173	0.40	3.31	4.13	0.14
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP36H	0.75	26.15	27.18		27.18	0.000106	0.29	2.61	3.72	0.11
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP01H	5.19	26.15	28.15		28.17	0.000327	0.71	7.28	5.94	0.21
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP01H	5.62	26.15	28.27		28.29	0.000296	0.70	8.02	6.22	0.20
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP03H	1.39	26.15	27.34		27.35	0.000204	0.43	3.24	4.09	0.15
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP03H	5.91	26.15	28.30		28.33	0.000307	0.72	8.22	6.30	0.20
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP06H	5.40	26.15	28.24		28.26	0.000290	0.69	7.84	6.16	0.19
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP06H	3.94	26.15	27.97		27.99	0.000281	0.63	6.26	5.53	0.19
Sammontana	Sammontana 2	111	Max WS	IC_TR030_TP09H	3.35	26.15	27.86		27.88	0.000267	0.59	5.66	5.28	0.18
Sammontana	Sammontana 2	111	Max WS	IC_TR200_TP09H	4.68	26.15	28.14		28.16	0.000269	0.65	7.25	5.93	0.19
Sammontana	Sammontana 2	110	Max WS	IC_TR200_TP18H	2.58	26.31	27.65		27.71	0.001351	1.04	2.48	2.52	0.33
Sammontana	Sammontana 2	110	Max WS	IC_TR030_TP18H	1.39	26.31	27.35		27.38	0.000958	0.78	1.77	2.22	0.28
Sammontana	Sammontana 2	110	Max WS	IC_TR200_TP24H	2.11	26.31	27.54		27.59	0.001233	0.96	2.21	2.40	0.32
Sammontana	Sammontana 2	110	Max WS	IC_TR030_TP24H	1.06	26.31	27.26		27.28	0.000779	0.68	1.56	2.12	0.25
Sammontana	Sammontana 2	110	Max WS	IC_TR200_TP36H	1.32	26.31	27.33		27.36	0.000926	0.76	1.72	2.20	0.28
Sammontana	Sammontana 2	110	Max WS	IC_TR030_TP36H	0.75	26.31	27.17		27.18	0.000548	0.55	1.38	2.03	0.21
Sammontana	Sammontana 2	110	Max WS	IC_TR030_TP01H	5.22	26.31	28.05		28.16	0.002047	1.47	3.57	2.94	0.41
Sammontana	Sammontana 2	110	Max WS	IC_TR200_TP01H	5.68	26.31	28.18		28.29	0.001836	1.45	3.94	2.98	0.39
Sammontana	Sammontana 2	11												



River	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
Sammontana	Sammontana 2	109	Max WS	IC_TR030_TP09H	3.38	26.17	27.82		27.83	0.000150	0.48	7.06	4.59	0.12
Sammontana	Sammontana 2	109	Max WS	IC_TR200_TP09H	4.72	26.17	28.10		28.11	0.000186	0.57	8.35	4.62	0.13
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP18H	2.59	26.15	27.67	26.49	27.68	0.000089	0.37	7.04	5.26	0.10
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP18H	1.39	26.15	27.36	26.38	27.36	0.000053	0.26	5.45	5.00	0.08
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP24H	2.12	26.15	27.56	26.45	27.56	0.000076	0.33	6.44	5.17	0.09
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP24H	1.06	26.15	27.26	26.34	27.26	0.000040	0.21	4.96	4.92	0.07
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP36H	1.32	26.15	27.34	26.37	27.34	0.000050	0.25	5.34	4.99	0.08
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP36H	0.75	26.15	27.17	26.30	27.17	0.000026	0.17	4.51	4.85	0.06
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP01H	5.29	26.15	28.09	26.70	28.11	0.000151	0.57	9.28	5.34	0.14
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP01H	5.78	26.15	28.22	26.73	28.23	0.000143	0.58	9.94	5.35	0.14
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP03H	1.39	26.15	27.32	26.38	27.32	0.000059	0.27	5.24	4.97	0.08
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP03H	6.00	26.15	28.25	26.75	28.26	0.000146	0.59	10.11	5.36	0.14
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP06H	5.45	26.15	28.19	26.71	28.21	0.000133	0.56	9.82	5.35	0.13
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP06H	3.97	26.15	27.93	26.61	27.94	0.000118	0.47	8.41	5.33	0.12
Sammontana	Sammontana 2	108	Max WS	IC_TR030_TP09H	3.38	26.15	27.82	26.56	27.83	0.000108	0.43	7.84	5.32	0.11
Sammontana	Sammontana 2	108	Max WS	IC_TR200_TP09H	4.72	26.15	28.10	26.66	28.11	0.000118	0.51	9.32	5.34	0.12
Sammontana	Sammontana 2	107.5												
					Bridge									
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP18H	2.59	26.07	27.67		27.68	0.000079	0.35	7.34	5.37	0.10
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP18H	1.39	26.07	27.36		27.36	0.000046	0.24	5.71	5.12	0.07
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP24H	2.12	26.07	27.55		27.56	0.000067	0.31	6.73	5.28	0.09
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP24H	1.06	26.07	27.26		27.26	0.000035	0.20	5.21	5.04	0.06
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP36H	1.32	26.07	27.34		27.34	0.000044	0.24	5.60	5.10	0.07
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP36H	0.75	26.07	27.17		27.17	0.000023	0.16	4.75	4.96	0.05
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP01H	5.29	26.07	28.09		28.11	0.000143	0.55	9.90	6.90	0.13
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP01H	5.78	26.07	28.22		28.23	0.000137	0.55	10.79	7.39	0.13
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP03H	1.39	26.07	27.32		27.32	0.000051	0.25	5.50	5.08	0.08
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP03H	6.00	26.07	28.25		28.26	0.000140	0.57	11.02	7.51	0.13
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP06H	5.45	26.07	28.19		28.21	0.000127	0.53	10.62	7.30	0.13
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP06H	3.97	26.07	27.93		27.94	0.000109	0.45	8.82	6.26	0.11
Sammontana	Sammontana 2	107	Max WS	IC_TR030_TP09H	3.38	26.07	27.82		27.83	0.000098	0.41	8.17	5.83	0.11
Sammontana	Sammontana 2	107	Max WS	IC_TR200_TP09H	4.72	26.07	28.10		28.11	0.000112	0.49	9.95	6.93	0.12
Sammontana	Sammontana 2	106.99												
					Lat Struct									
Sammontana	Sammontana 2	106.98												
					Lat Struct									
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP18H	2.59	26.00	27.66		27.67	0.000147	0.44	5.87	4.88	0.13
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP18H	1.39	26.00	27.36		27.36	0.000093	0.31	4.42	4.49	0.10
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP24H	2.12	26.00	27.55		27.56	0.000129	0.40	5.32	4.73	0.12
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP24H	1.06	26.00	27.26		27.26	0.000072	0.27	3.99	4.46	0.09
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP36H	1.32	26.00	27.34		27.34	0.000089	0.31	4.33	4.46	0.10
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP36H	0.75	26.00	27.17		27.17	0.000048	0.21	3.60	4.25	0.07
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP01H	5.29	26.00	28.08		28.10	0.000264	0.67	7.92	4.95	0.17
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP01H	5.77	26.00	28.21		28.23	0.000256	0.68	8.54	4.95	0.16
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP03H	1.39	26.00	27.31		27.32	0.000105	0.33	4.23	4.43	0.11
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP03H	6.00	26.00	28.24		28.26	0.000263	0.69	8.69	4.95	0.17
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP06H	5.45	26.00	28.18		28.20	0.000236	0.65	8.43	4.95	0.16
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP06H	3.97	26.00	27.92		27.94	0.000200	0.56	7.13	4.95	0.15
Sammontana	Sammontana 2	106	Max WS	IC_TR030_TP09H	3.38	26.00	27.81		27.83	0.000179	0.51	6.60	4.95	0.14
Sammontana	Sammontana 2	106	Max WS	IC_TR200_TP09H	4.72	26.00	28.09		28.11	0.000206	0.59	7.98	4.95	0.15
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP18H	2.60	25.97	27.62		27.66	0.000995	0.91	2.85	2.60	0.28
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP18H	1.40	25.97	27.33		27.35	0.000611	0.65	2.15	2.34	0.22
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP24H	2.12	25.97	27.51		27.54	0.000866	0.82	2.58	2.50	0.26
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP24H	1.06	25.97	27.24		27.25	0.000466	0.55	1.94	2.26	0.19
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP36H	1.32	25.97	27.31		27.33	0.000583	0.63	2.10	2.32	0.21
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP36H	0.75	25.97	27.16		27.16	0.000305	0.43	1.75	2.19	0.15
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP01H	5.35	25.97	27.97		28.07	0.001959	1.40	3.81	2.72	0.38
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP01H	5.78	25.97	28.09		28.19	0.001833	1.40	4.14	2.72	0.36
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP03H	1.39	25.97	27.28		27.31	0.000698	0.68	2.04	2.30	0.23
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP03H	6.05	25.97	28.12		28.23	0.001907	1.43	4.23	2.72	0.37
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP06H	5.48	25.97	28.09		28.18	0.001671	1.33	4.12	2.72	0.35
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP06H	3.99	25.97	27.84		27.91	0.001398	1.15	3.47	2.72	0.33
Sammontana	Sammontana 2	105	Max WS	IC_TR030_TP09H	3.39	25.97	27.75		27.81	0.001243	1.06	3.21	2.72	0.31
Sammontana	Sammontana 2	105	Max WS	IC_TR200_TP09H	4.74	25.97	28.01		28.08	0.001430	1.21	3.92	2.72	0.32
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP18H	2.61	25.95	27.60		27.63	0.000589	0.76	3.44	2.93	0.22
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP18H	1.40	25.95	27.32		27.33	0.000337	0.53	2.66	2.69	0.17
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP24H	2.13	25.95	27.49		27.52	0.000500	0.68	3.14	2.84	0.21
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP24H	1.06	25.95	27.23		27.24	0.000249	0.44	2.42	2.61	0.15
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP36H	1.33	25.95	27.30		27.31	0.000319	0.51	2.61	2.67	0.16
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP36H	0.75	25.95	27.15		27.16	0.000158	0.34	2.22	2.54	0.12
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP01H	5.43	25.95	27.93		28.00	0.001177	1.22	4.52	3.66	0.32
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP01H	5.90	25.95	28.05		28.13	0.001044	1.21	4.99	3.66	0.31
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP03H	1.40	25.95	27.27		27.29	0.000383	0.55	2.53	2.65	0.18
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP03H	6.12	25.95	28.09		28.16	0.001049	1.23	5.10	3.66	0.31
Sammontana	Sammontana 2	104.50	Max WS	IC_TR200_TP06H	5.52	25.95	28.05		28.12	0.000916	1.14	4.99	3.66	0.29
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP06H	4.01	25.95	27.82		27.87	0.000842	0.98	4.12	3.46	0.27
Sammontana	Sammontana 2	104.50	Max WS	IC_TR030_TP09H	3.40	25.95	27.72		27.77	0.000759	0.89	3.82	3.04	0.25
Samm														

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 2	103.50	Max WS	IC TR030 TP09H	3.43	25.93	27.70		27.72	0.000342	0.67	5.14	3.71	0.18
Sammontana	Sammontana 2	103.50	Max WS	IC TR200 TP09H	4.83	25.93	27.96		27.99	0.000386	0.79	6.24	4.99	0.20
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP18H	2.63	25.91	27.57		27.58	0.000182	0.49	5.35	3.95	0.14
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP18H	1.41	25.91	27.30		27.31	0.000093	0.33	4.32	3.74	0.10
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP24H	2.14	25.91	27.47		27.48	0.000148	0.43	4.96	3.87	0.12
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP24H	1.07	25.91	27.22		27.22	0.000066	0.27	4.01	3.67	0.08
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP36H	1.34	25.91	27.29		27.29	0.000087	0.31	4.25	3.72	0.09
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP36H	0.75	25.91	27.14		27.15	0.000040	0.20	3.73	3.61	0.06
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP01H	5.67	25.91	27.87		27.91	0.000462	0.86	6.60	4.83	0.22
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP01H	2.25	25.91	28.00		28.04	0.000430	0.88	7.28	5.58	0.21
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP03H	1.41	25.91	27.25		27.26	0.000105	0.34	4.14	3.70	0.10
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP03H	6.32	25.91	28.04		28.08	0.000405	0.87	7.51	5.81	0.21
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP06H	5.64	25.91	28.02		28.05	0.000339	0.79	7.37	5.67	0.19
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP06H	4.08	25.91	27.78		27.80	0.000290	0.66	6.19	4.33	0.17
Sammontana	Sammontana 2	103.00	Max WS	IC TR030 TP09H	3.44	25.91	27.69		27.71	0.000246	0.59	5.83	4.05	0.16
Sammontana	Sammontana 2	103.00	Max WS	IC TR200 TP09H	4.85	25.91	27.95		27.98	0.000285	0.70	7.01	5.30	0.17
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP18H	2.64	25.89	27.57		27.58	0.000134	0.44	6.02	4.30	0.12
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP18H	1.41	25.89	27.30		27.31	0.000067	0.29	4.91	4.09	0.08
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP24H	2.15	25.89	27.47		27.48	0.000108	0.38	5.60	4.22	0.11
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP24H	1.07	25.89	27.22		27.22	0.000047	0.23	4.57	4.03	0.07
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP36H	1.34	25.89	27.28		27.29	0.000063	0.28	4.84	4.08	0.08
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP36H	0.75	25.89	27.14		27.14	0.000028	0.18	4.27	3.97	0.05
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP01H	5.74	25.89	27.86		27.89	0.000359	0.79	7.34	5.13	0.20
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP01H	6.35	25.89	27.99		28.02	0.000339	0.80	8.06	5.87	0.19
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP03H	1.41	25.89	27.25		27.26	0.000075	0.30	4.71	4.05	0.09
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP03H	6.32	25.89	28.03		28.06	0.000308	0.78	8.32	6.13	0.18
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP06H	5.68	25.89	28.01		28.03	0.000260	0.71	8.18	5.99	0.17
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP06H	3.98	25.89	27.77		27.79	0.000204	0.57	6.94	4.67	0.15
Sammontana	Sammontana 2	102.50	Max WS	IC TR030 TP09H	3.41	25.89	27.69		27.70	0.000178	0.52	6.54	4.39	0.14
Sammontana	Sammontana 2	102.50	Max WS	IC TR200 TP09H	4.87	25.89	27.94		27.96	0.000217	0.63	7.81	5.63	0.15
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP18H	2.65	25.88	27.56	26.28	27.57	0.000102	0.39	6.71	4.64	0.10
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP18H	1.42	25.88	27.30	26.15	27.30	0.000050	0.26	5.51	4.44	0.07
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP24H	2.15	25.88	27.47	26.23	27.47	0.000081	0.34	6.26	4.57	0.09
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP24H	1.07	25.88	27.22	26.10	27.22	0.000035	0.21	5.14	4.38	0.06
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP36H	1.34	25.88	27.28	26.14	27.29	0.000047	0.25	5.43	4.43	0.07
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP36H	0.75	25.88	27.14	26.06	27.14	0.000020	0.16	4.82	4.32	0.05
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP01H	5.81	25.88	27.85	26.54	27.87	0.000286	0.72	8.09	5.43	0.18
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP01H	6.37	25.88	27.98	26.58	28.01	0.000266	0.73	8.85	6.18	0.17
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP03H	1.42	25.88	27.25	26.15	27.25	0.000056	0.27	5.29	4.40	0.08
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP03H	6.34	25.88	28.02	26.58	28.05	0.000242	0.71	9.14	6.44	0.17
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP06H	5.71	25.88	28.00	26.53	28.02	0.000205	0.65	9.00	6.32	0.15
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP06H	3.99	25.88	27.77	26.40	27.78	0.000158	0.52	7.69	5.00	0.13
Sammontana	Sammontana 2	102	Max WS	IC TR030 TP09H	3.40	25.88	27.68	26.35	27.70	0.000135	0.47	7.27	4.73	0.12
Sammontana	Sammontana 2	102	Max WS	IC TR200 TP09H	4.89	25.88	27.94	26.47	27.96	0.000169	0.58	8.61	5.96	0.14
Sammontana	Sammontana 2	101.5												
					Bridge									
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP18H	2.65	25.77	27.56		27.57	0.000083	0.37	7.22	4.73	0.09
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP18H	1.42	25.77	27.30		27.30	0.000040	0.24	6.00	4.53	0.07
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP24H	2.15	25.77	27.47		27.47	0.000066	0.32	6.77	4.65	0.08
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP24H	1.07	25.77	27.22		27.22	0.000027	0.19	5.63	4.46	0.05
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP36H	1.34	25.77	27.28		27.28	0.000037	0.23	5.92	4.51	0.06
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP36H	0.75	25.77	27.14		27.14	0.000016	0.14	5.30	4.40	0.04
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP01H	5.81	25.77	27.83		27.85	0.000240	0.68	8.60	5.95	0.16
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP01H	6.40	25.77	27.95		27.98	0.000231	0.70	9.38	6.65	0.16
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP03H	1.42	25.77	27.25		27.25	0.000044	0.24	5.78	4.49	0.07
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP03H	6.22	25.77	27.99		28.02	0.000201	0.67	9.68	6.90	0.15
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP06H	5.70	25.77	27.98		28.00	0.000174	0.62	9.57	6.81	0.14
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP06H	3.81	25.77	27.76		27.78	0.000116	0.47	8.24	5.59	0.11
Sammontana	Sammontana 2	101	Max WS	IC TR030 TP09H	3.40	25.77	27.68		27.69	0.000109	0.44	7.80	5.13	0.11
Sammontana	Sammontana 2	101	Max WS	IC TR200 TP09H	4.89	25.77	27.92		27.94	0.000142	0.55	9.20	6.50	0.13
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP18H	2.65	25.58	27.56		27.57	0.000082	0.36	7.30	4.73	0.09
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP18H	1.42	25.58	27.30		27.30	0.000039	0.23	6.08	4.53	0.06
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP24H	2.15	25.58	27.47		27.47	0.000064	0.31	6.84	4.65	0.08
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP24H	1.07	25.58	27.22		27.22	0.000026	0.19	5.71	4.46	0.05
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP36H	1.34	25.58	27.28		27.28	0.000036	0.22	6.00	4.51	0.06
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP36H	0.75	25.58	27.14		27.14	0.000015	0.14	5.37	4.40	0.04
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP01H	5.81	25.58	27.83		27.85	0.000236	0.68	8.68	5.95	0.16
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP01H	6.39	25.58	27.95		27.97	0.000228	0.70	9.46	6.65	0.16
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP03H	1.42	25.58	27.25		27.25	0.000043	0.24	5.86	4.49	0.07
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP03H	6.22	25.58	27.99		28.02	0.000199	0.66	9.76	6.90	0.15
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP06H	5.69	25.58	27.98		28.00	0.000171	0.61	9.65	6.82	0.14
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP06H	3.81	25.58	27.76		27.78	0.000115	0.46	8.32	5.59	0.11
Sammontana	Sammontana 2	100.5	Max WS	IC TR030 TP09H	3.40	25.58	27.68		27.69	0.000107	0.43	7.88	5.13	0.11
Sammontana	Sammontana 2	100.5	Max WS	IC TR200 TP09H	4.89	25.58	27.92		27.94	0.000140	0.54	9.28	6.50	0.13
Sammontana	Sammontana 1	55	Max WS	IC TR200 TP18H	3.10	25.53	27.55		27.57	0.000287	0.56	5.57		

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	54.48												
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP18H	3.09	25.48	27.54		27.55	0.000320	0.58	5.33	4.02	0.16
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP18H	1.73	25.48	27.29		27.29	0.000173	0.40	4.38	3.66	0.12
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP24H	2.50	25.48	27.44		27.46	0.000256	0.50	4.97	3.82	0.14
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP24H	1.35	25.48	27.21		27.21	0.000126	0.33	4.09	3.58	0.10
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP36H	1.65	25.48	27.27		27.28	0.000163	0.38	4.31	3.64	0.11
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP36H	0.99	25.48	27.13		27.14	0.000080	0.26	3.84	3.50	0.08
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP01H	5.55	25.48	27.78		27.82	0.000632	0.88	6.37	4.69	0.22
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP01H	7.08	25.48	27.87		27.93	0.000864	1.06	6.82	4.95	0.26
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP03H	1.73	25.48	27.23		27.24	0.000194	0.41	4.19	3.60	0.12
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP03H	5.78	25.48	27.95		27.98	0.000499	0.83	7.23	5.17	0.20
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP06H	5.68	25.48	27.94		27.97	0.000493	0.82	7.16	5.13	0.20
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP06H	3.61	25.48	27.74		27.76	0.000286	0.59	6.22	4.60	0.15
Sammontana	Sammontana 1	54	Max WS	IC_TR030_TP09H	3.35	25.48	27.66		27.67	0.000292	0.58	5.84	4.36	0.15
Sammontana	Sammontana 1	54	Max WS	IC_TR200_TP09H	4.87	25.48	27.89		27.92	0.000393	0.72	6.93	5.00	0.18
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP18H	3.10	25.47	27.52		27.54	0.000316	0.58	5.32	3.96	0.16
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP18H	1.76	25.47	27.28		27.29	0.000173	0.40	4.41	3.61	0.12
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP24H	2.54	25.47	27.43		27.45	0.000261	0.51	4.98	3.75	0.14
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP24H	1.36	25.47	27.20		27.21	0.000123	0.33	4.13	3.54	0.10
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP36H	1.67	25.47	27.26		27.27	0.000163	0.39	4.35	3.59	0.11
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP36H	0.99	25.47	27.13		27.14	0.000076	0.25	3.89	3.47	0.08
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP01H	5.08	25.47	27.77		27.80	0.000495	0.81	6.37	4.65	0.20
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP01H	4.04	25.47	27.87		27.88	0.000256	0.61	6.85	4.92	0.15
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP03H	1.76	25.47	27.23		27.24	0.000194	0.42	4.22	3.56	0.12
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP03H	5.11	25.47	27.95		27.97	0.000350	0.73	7.25	5.14	0.17
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP06H	5.01	25.47	27.93		27.96	0.000345	0.72	7.18	5.11	0.17
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP06H	3.20	25.47	27.74		27.75	0.000209	0.52	6.24	4.57	0.13
Sammontana	Sammontana 1	53.333	Max WS	IC_TR030_TP09H	3.10	25.47	27.65		27.67	0.000236	0.53	5.85	4.33	0.14
Sammontana	Sammontana 1	53.333	Max WS	IC_TR200_TP09H	4.26	25.47	27.89		27.91	0.000272	0.63	6.95	4.98	0.15
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP18H	3.08	25.46	27.51		27.53	0.000312	0.58	5.31	3.89	0.15
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP18H	1.79	25.46	27.27		27.28	0.000176	0.40	4.43	3.55	0.12
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP24H	2.59	25.46	27.42		27.44	0.000270	0.52	4.97	3.68	0.14
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP24H	1.37	25.46	27.20		27.20	0.000123	0.33	4.16	3.49	0.10
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP36H	1.70	25.46	27.26		27.26	0.000164	0.39	4.37	3.54	0.11
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP36H	0.99	25.46	27.13		27.13	0.000074	0.25	3.93	3.43	0.07
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP01H	4.50	25.46	27.76		27.79	0.000387	0.72	6.37	4.60	0.18
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP01H	3.46	25.46	27.87		27.88	0.000186	0.52	6.87	4.90	0.12
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP03H	1.79	25.46	27.22		27.23	0.000197	0.42	4.24	3.51	0.12
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP03H	4.45	25.46	27.94		27.97	0.000284	0.64	7.26	5.12	0.15
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP06H	4.32	25.46	27.93		27.95	0.000254	0.62	7.20	5.09	0.15
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP06H	2.98	25.46	27.74		27.75	0.000179	0.48	6.25	4.53	0.12
Sammontana	Sammontana 1	52.667	Max WS	IC_TR030_TP09H	3.03	25.46	27.65		27.66	0.000225	0.52	5.85	4.27	0.13
Sammontana	Sammontana 1	52.667	Max WS	IC_TR200_TP09H	3.63	25.46	27.89		27.90	0.000196	0.54	6.97	4.96	0.13
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP18H	3.04	25.45	27.50		27.52	0.000309	0.57	5.30	3.83	0.15
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP18H	1.82	25.45	27.27		27.27	0.000182	0.41	4.44	3.49	0.12
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP24H	2.64	25.45	27.41		27.43	0.000286	0.53	4.96	3.61	0.14
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP24H	1.39	25.45	27.19		27.20	0.000125	0.33	4.19	3.43	0.10
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP36H	1.72	25.45	27.25		27.26	0.000170	0.39	4.39	3.48	0.11
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP36H	0.99	25.45	27.13		27.13	0.000073	0.25	3.97	3.38	0.07
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP01H	3.83	25.45	27.76		27.78	0.000282	0.61	6.39	4.56	0.15
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP01H	4.47	25.45	27.87		27.89	0.000314	0.67	6.88	4.86	0.16
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP03H	1.81	25.45	27.21		27.22	0.000204	0.43	4.26	3.45	0.12
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP03H	4.28	25.45	27.94		27.96	0.000250	0.61	7.24	5.06	0.14
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP06H	4.25	25.45	27.93		27.95	0.000252	0.61	7.17	5.02	0.14
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP06H	3.79	25.45	27.71		27.73	0.000306	0.62	6.16	4.42	0.15
Sammontana	Sammontana 1	52	Max WS	IC_TR030_TP09H	3.58	25.45	27.62		27.64	0.000328	0.62	5.78	4.17	0.16
Sammontana	Sammontana 1	52	Max WS	IC_TR200_TP09H	4.09	25.45	27.87		27.89	0.000259	0.61	6.91	4.87	0.14
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP18H	3.04	25.45	27.51	26.14	27.51	0.000136	0.41	7.33	4.65	0.11
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP18H	1.82	25.45	27.27	26.02	27.27	0.000077	0.29	6.24	4.50	0.08
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP24H	2.64	25.45	27.41	26.10	27.42	0.000123	0.38	6.91	4.59	0.10
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP24H	1.39	25.45	27.19	25.97	27.20	0.000052	0.23	5.91	4.46	0.07
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP36H	1.72	25.45	27.25	26.01	27.26	0.000072	0.28	6.17	4.50	0.08
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP36H	0.99	25.45	27.13	25.93	27.13	0.000031	0.18	5.62	4.42	0.05
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP01H	3.83	25.45	27.77	26.21	27.78	0.000130	0.45	6.83	5.30	0.11
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP01H	4.47	25.45	27.87	26.26	27.88	0.000147	0.49	9.19	5.55	0.11
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP03H	1.81	25.45	27.21	26.02	27.22	0.000086	0.30	6.00	4.47	0.08
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP03H	4.28	25.45	27.94	26.24	27.95	0.000119	0.46	9.60	5.74	0.10
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP06H	4.25	25.45	27.93	26.24	27.94	0.000120	0.45	9.52	5.70	0.10
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP06H	3.79	25.45	27.71	26.20	27.73	0.000140	0.46	8.36	5.17	0.11
Sammontana	Sammontana 1	51	Max WS	IC_TR030_TP09H	3.58	25.45	27.63	26.18	27.64	0.000148	0.45	7.91	4.95	0.11
Sammontana	Sammontana 1	51	Max WS	IC_TR200_TP09H	4.09	25.45	27.88	26.23	27.89	0.000122	0.45	9.22	5.57	0.10
Sammontana	Sammontana 1	50.5												
Sammontana	Sammontana 1	50	Max WS	IC_TR200_TP18H	3.04	25.44	27.50		27.51	0.000136</				

River	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
Sammontana	Sammontana 1	49	Max WS	IC TR030 TP09H	3.58	25.43	27.61		27.63	0.000266	0.58	6.22	4.32	0.15
Sammontana	Sammontana 1	49	Max WS	IC TR200 TP09H	4.08	25.43	27.85		27.87	0.000212	0.57	7.33	4.75	0.14
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP18H	3.04	25.41	27.49		27.51	0.000238	0.52	5.84	4.12	0.14
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP18H	1.82	25.41	27.26		27.27	0.000139	0.37	4.92	3.82	0.10
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP24H	2.64	25.41	27.40		27.41	0.000219	0.48	5.48	3.95	0.13
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP24H	1.39	25.41	27.19		27.19	0.000095	0.30	4.65	3.76	0.09
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP36H	1.72	25.41	27.24		27.25	0.000129	0.35	4.86	3.81	0.10
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP36H	0.99	25.41	27.12		27.13	0.000055	0.22	4.41	3.70	0.07
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP01H	3.78	25.41	27.74		27.76	0.000217	0.55	6.94	4.65	0.13
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP01H	4.44	25.41	27.84		27.86	0.000249	0.61	7.40	4.86	0.15
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP03H	1.81	25.41	27.20		27.21	0.000156	0.38	4.71	3.77	0.11
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP03H	4.27	25.41	27.92		27.93	0.000199	0.56	7.77	5.02	0.13
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP06H	4.24	25.41	27.90		27.92	0.000202	0.57	7.70	4.99	0.13
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP06H	3.79	25.41	27.69		27.71	0.000242	0.57	6.70	4.54	0.14
Sammontana	Sammontana 1	48.500	Max WS	IC TR030 TP09H	3.58	25.41	27.60		27.62	0.000258	0.57	6.31	4.36	0.14
Sammontana	Sammontana 1	48.500	Max WS	IC TR200 TP09H	4.08	25.41	27.85		27.87	0.000206	0.56	7.45	4.88	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP18H	3.04	25.39	27.49		27.50	0.000232	0.51	5.92	4.12	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP18H	1.82	25.39	27.26		27.26	0.000134	0.36	5.01	3.81	0.10
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP24H	2.64	25.39	27.40		27.41	0.000213	0.47	5.56	3.93	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP24H	1.39	25.39	27.19		27.19	0.000091	0.29	4.75	3.74	0.08
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP36H	1.72	25.39	27.24		27.25	0.000124	0.35	4.96	3.79	0.10
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP36H	0.99	25.39	27.12		27.13	0.000053	0.22	4.51	3.69	0.06
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP01H	3.78	25.39	27.74		27.75	0.000213	0.54	7.03	4.71	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP01H	4.44	25.39	27.84		27.85	0.000245	0.61	7.49	4.93	0.14
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP03H	1.81	25.39	27.20		27.21	0.000150	0.38	4.81	3.76	0.11
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP03H	4.27	25.39	27.91		27.93	0.000197	0.56	7.88	5.11	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP06H	4.24	25.39	27.90		27.91	0.000199	0.56	7.81	5.08	0.13
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP06H	3.79	25.39	27.69		27.70	0.000237	0.56	6.79	4.59	0.14
Sammontana	Sammontana 1	48	Max WS	IC TR030 TP09H	3.58	25.39	27.60		27.62	0.000253	0.56	6.40	4.38	0.14
Sammontana	Sammontana 1	48	Max WS	IC TR200 TP09H	4.08	25.39	27.85		27.86	0.000203	0.55	7.55	4.96	0.13
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP18H	3.04	25.38	27.49	26.09	27.50	0.000132	0.41	7.37	4.70	0.10
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP18H	1.82	25.38	27.26	25.97	27.26	0.000074	0.29	6.31	4.49	0.08
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP24H	2.64	25.38	27.40	26.05	27.41	0.000119	0.38	6.96	4.58	0.10
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP24H	1.39	25.38	27.19	25.92	27.19	0.000050	0.23	5.99	4.45	0.06
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP36H	1.72	25.38	27.24	25.96	27.25	0.000068	0.28	6.24	4.48	0.07
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP36H	0.99	25.38	27.12	25.87	27.13	0.000029	0.17	5.71	4.40	0.05
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP01H	3.78	25.38	27.74	26.15	27.75	0.000125	0.44	6.83	5.27	0.10
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP01H	4.44	25.38	27.84	26.21	27.85	0.000145	0.49	9.15	5.49	0.11
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP03H	1.81	25.38	27.20	25.97	27.21	0.000082	0.30	6.07	4.46	0.08
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP03H	4.27	25.38	27.91	26.19	27.92	0.000118	0.46	9.57	5.66	0.10
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP06H	4.24	25.38	27.90	26.19	27.91	0.000119	0.46	9.49	5.63	0.10
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP06H	3.79	25.38	27.69	26.16	27.70	0.000138	0.46	8.35	5.15	0.11
Sammontana	Sammontana 1	47	Max WS	IC TR030 TP09H	3.58	25.38	27.60	26.14	27.61	0.000146	0.45	7.91	4.96	0.11
Sammontana	Sammontana 1	47	Max WS	IC TR200 TP09H	4.08	25.38	27.85	26.18	27.86	0.000121	0.45	9.20	5.51	0.10
Sammontana	Sammontana 1	46.5												
Sammontana	Sammontana 1	46.5		Bridge										
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP18H	3.04	25.38	27.48		27.49	0.000134	0.41	7.34	4.69	0.10
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP18H	1.82	25.38	27.26		27.26	0.000074	0.29	6.30	4.49	0.08
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP24H	2.64	25.38	27.40		27.40	0.000119	0.38	6.94	4.58	0.10
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP24H	1.39	25.38	27.19		27.19	0.000050	0.23	5.99	4.44	0.06
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP36H	1.72	25.38	27.24		27.25	0.000068	0.28	6.24	4.48	0.07
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP36H	0.99	25.38	27.12		27.12	0.000029	0.17	5.71	4.40	0.05
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP01H	3.76	25.38	27.73		27.74	0.000127	0.44	8.57	5.29	0.10
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP01H	4.44	25.38	27.82		27.83	0.000150	0.50	9.05	5.52	0.11
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP03H	1.81	25.38	27.20		27.21	0.000082	0.30	6.06	4.45	0.08
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP03H	4.25	25.38	27.90		27.91	0.000120	0.46	9.48	5.70	0.10
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP06H	4.24	25.38	27.88		27.89	0.000122	0.46	9.41	5.67	0.10
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP06H	3.79	25.38	27.68		27.69	0.000142	0.46	8.29	5.17	0.11
Sammontana	Sammontana 1	46	Max WS	IC TR030 TP09H	3.58	25.38	27.59		27.60	0.000149	0.46	7.86	4.96	0.11
Sammontana	Sammontana 1	46	Max WS	IC TR200 TP09H	4.08	25.38	27.83		27.84	0.000124	0.45	9.13	5.55	0.10
Sammontana	Sammontana 1	45.99		Lat Struct										
Sammontana	Sammontana 1	45.98		Lat Struct										
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP18H	3.04	25.36	27.48		27.49	0.000249	0.52	5.80	3.93	0.14
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP18H	1.82	25.36	27.25		27.26	0.000140	0.37	4.94	3.72	0.10
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP24H	2.64	25.36	27.39		27.40	0.000224	0.48	5.47	3.84	0.13
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP24H	1.39	25.36	27.18		27.19	0.000094	0.30	4.69	3.66	0.08
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP36H	1.72	25.36	27.24		27.24	0.000129	0.35	4.89	3.70	0.10
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP36H	0.99	25.36	27.12		27.12	0.000054	0.22	4.47	3.60	0.06
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP01H	3.73	25.36	27.72		27.74	0.000226	0.55	6.80	4.25	0.13
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP01H	4.38	25.36	27.81		27.83	0.000263	0.62	7.18	4.37	0.15
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP03H	1.81	25.36	27.20		27.21	0.000156	0.38	4.74	3.67	0.11
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP03H	4.25	25.36	27.89		27.90	0.000216	0.57	7.53	4.47	0.13
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP06H	4.24	25.36	27.87		27.89	0.000219	0.58	7.47	4.45	0.13
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP06H	3.79	25.36	27.67		27.69	0.000259	0.58	6.58	4.18	0.14
Sammontana	Sammontana 1	45	Max WS	IC TR030 TP09H	3.58	25.36	27.58		27.60	0.000274	0.58	6.23	4.07	0.14
Sammontana	Sammontana 1	45	Max WS	IC TR200 TP09H	4.08	25.36	27.82		27.84	0.000223	0.57	7.25	4.39	0.13
Sammontana	Sammontana 1	44	Max WS	IC TR200 TP18H	3.04	25.35	27.47		27.49	0.000305	0.57	5.37	3.91	0.15
Sammontana	Sammontana 1	44	Max WS	IC TR030 TP18H	1.82	25.35	27.25		27.26	0.000174	0.40	4.54	3.65	0.11
Sammontana	Sammontana 1	44	Max WS	IC TR200 TP24H	2.64	25.35	27.39		27.40	0.000276	0.52	5.05	3.80	0.14
Sammontana	Sammontana 1	44	Max WS	IC TR030 TP24H	1.39	25.35	27.18		27.19	0.000118	0.32	4.29	3.58	0.09
Sammontana	Sammontana 1	44	Max WS	IC TR200 TP36H	1.72	25.35	27.23		27.24	0.000161	0.38	4.48	3.64	0.11
Sammontana	Sammontana 1	44	Max WS	IC TR030 TP36H	0.99	25.35	27.12		27.12	0.000069	0.24	4.07	3.51	0.07
Sammontana	Sammontana 1	44	Max WS	IC TR030 TP01H	3.71	25.35	27.72		27.73	0.000264	0.59	6.37	4.27	0.15
Sammontana	Sammontana 1	44	Max WS	IC TR200 TP01H	4.37	25.35	27.80		27.83	0.000307	0.66	6.75	4.40	0.16
Sammontana	Sammontana 1	44	Max WS	IC TR030 TP03H	1.81	25.35	27.19		27.20	0.000196	0.42	4.33	3.59	0.12
Sammontana	Sammontana 1	44	Max WS	IC TR200 TP03H	4.25	25								

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	43	Max WS	IC TR030 TP09H	3.57	25.35	27.58	26.09	27.59	0.000143	0.45	8.04	4.92	0.11
Sammontana	Sammontana 1	43	Max WS	IC TR200 TP09H	4.08	25.35	27.82	26.14	27.83	0.000119	0.44	9.30	5.50	0.10
Sammontana	Sammontana 1	42.5		Bridge										
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP18H	3.04	25.33	27.47		27.47	0.000128	0.41	7.44	4.75	0.10
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP18H	1.82	25.33	27.25		27.25	0.000070	0.28	6.41	4.61	0.08
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP24H	2.64	25.33	27.39		27.39	0.000113	0.37	7.05	4.71	0.10
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP24H	1.39	25.33	27.18		27.18	0.000047	0.23	6.10	4.56	0.06
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP36H	1.72	25.33	27.23		27.24	0.000065	0.27	6.35	4.60	0.07
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP36H	0.99	25.33	27.12		27.12	0.000027	0.17	5.82	4.52	0.05
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP01H	3.66	25.33	27.71		27.71	0.000116	0.43	8.63	5.25	0.10
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP01H	4.32	25.33	27.79		27.80	0.000139	0.48	9.06	5.43	0.11
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP03H	1.81	25.33	27.19		27.20	0.000078	0.29	6.16	4.57	0.08
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP03H	4.24	25.33	27.87		27.88	0.000116	0.45	9.50	5.60	0.10
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP06H	4.24	25.33	27.85		27.86	0.000119	0.46	9.42	5.57	0.10
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP06H	3.78	25.33	27.65		27.66	0.000137	0.45	8.35	5.13	0.11
Sammontana	Sammontana 1	42	Max WS	IC TR030 TP09H	3.57	25.33	27.57		27.58	0.000144	0.45	7.93	4.95	0.11
Sammontana	Sammontana 1	42	Max WS	IC TR200 TP09H	4.08	25.33	27.80		27.81	0.000120	0.45	9.16	5.46	0.10
Sammontana	Sammontana 1	41.99		Lat Struct										
Sammontana	Sammontana 1	41.98		Lat Struct										
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP18H	3.04	25.35	27.47		27.47	0.000135	0.41	7.34	4.58	0.10
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP18H	1.82	25.35	27.25		27.25	0.000072	0.29	6.36	4.46	0.08
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP24H	2.64	25.35	27.38		27.39	0.000117	0.38	6.97	4.53	0.10
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP24H	1.39	25.35	27.18		27.18	0.000048	0.23	6.05	4.42	0.06
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP36H	1.72	25.35	27.23		27.24	0.000066	0.27	6.29	4.45	0.07
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP36H	0.99	25.35	27.12		27.12	0.000027	0.17	5.79	4.39	0.05
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP01H	3.66	25.35	27.70		27.71	0.000123	0.43	8.50	5.17	0.10
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP01H	4.32	25.35	27.79		27.80	0.000148	0.49	8.93	5.37	0.11
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP03H	1.81	25.35	27.19		27.20	0.000080	0.30	6.11	4.43	0.08
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP03H	4.24	25.35	27.86		27.88	0.000125	0.46	9.36	5.57	0.10
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP06H	4.23	25.35	27.85		27.86	0.000127	0.46	9.29	5.54	0.10
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP06H	3.78	25.35	27.65		27.66	0.000145	0.46	8.23	5.03	0.11
Sammontana	Sammontana 1	41	Max WS	IC TR030 TP09H	3.57	25.35	27.57		27.58	0.000152	0.46	7.82	4.82	0.11
Sammontana	Sammontana 1	41	Max WS	IC TR200 TP09H	4.08	25.35	27.80		27.81	0.000128	0.46	9.03	5.42	0.10
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP18H	3.04	25.37	27.46		27.47	0.000205	0.49	6.22	4.26	0.13
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP18H	1.82	25.37	27.25		27.25	0.000111	0.34	5.33	4.06	0.10
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP24H	2.64	25.37	27.38		27.39	0.000180	0.45	5.88	4.19	0.12
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP24H	1.39	25.37	27.18		27.18	0.000075	0.27	5.06	4.00	0.08
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP36H	1.72	25.37	27.23		27.24	0.000103	0.33	5.27	4.05	0.09
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP36H	0.99	25.37	27.12		27.12	0.000043	0.20	4.82	3.94	0.06
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP01H	3.66	25.37	27.70		27.71	0.000179	0.50	7.31	4.84	0.12
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP01H	3.94	25.37	27.78		27.79	0.000178	0.52	7.71	5.04	0.12
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP03H	1.81	25.37	27.19		27.20	0.000125	0.36	5.10	4.01	0.10
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP03H	4.23	25.37	27.86		27.87	0.000177	0.53	8.11	5.23	0.12
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP06H	4.23	25.37	27.85		27.86	0.000181	0.54	8.04	5.20	0.13
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP06H	3.78	25.37	27.64		27.66	0.000214	0.54	7.05	4.70	0.13
Sammontana	Sammontana 1	40	Max WS	IC TR030 TP09H	3.57	25.37	27.56		27.58	0.000228	0.54	6.66	4.50	0.14
Sammontana	Sammontana 1	40	Max WS	IC TR200 TP09H	4.08	25.37	27.80		27.81	0.000184	0.53	7.80	5.08	0.13
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP18H	3.04	25.39	27.46	26.06	27.47	0.000116	0.39	7.79	4.92	0.10
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP18H	1.82	25.39	27.25	25.94	27.25	0.000062	0.27	6.74	4.76	0.07
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP24H	2.64	25.39	27.38	26.02	27.39	0.000101	0.36	7.39	4.85	0.09
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP24H	1.39	25.39	27.18	25.89	27.18	0.000041	0.22	6.42	4.71	0.06
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP36H	1.72	25.39	27.23	25.93	27.24	0.000057	0.26	6.68	4.75	0.07
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP36H	0.99	25.39	27.12	25.85	27.12	0.000024	0.16	6.14	4.67	0.04
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP01H	3.66	25.39	27.70	26.11	27.71	0.000114	0.40	9.04	5.53	0.10
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP01H	3.94	25.39	27.78	26.13	27.79	0.000117	0.42	9.49	5.73	0.10
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP03H	1.81	25.39	27.19	25.94	27.19	0.000069	0.28	6.48	4.72	0.08
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP03H	4.24	25.39	27.86	26.15	27.87	0.000119	0.43	9.95	5.93	0.10
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP06H	4.23	25.39	27.85	26.15	27.86	0.000121	0.43	9.88	5.90	0.11
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP06H	3.78	25.39	27.65	26.12	27.66	0.000133	0.43	8.74	5.39	0.11
Sammontana	Sammontana 1	39	Max WS	IC TR030 TP09H	3.57	25.39	27.56	26.10	27.57	0.000136	0.43	8.30	5.18	0.11
Sammontana	Sammontana 1	39	Max WS	IC TR200 TP09H	4.08	25.39	27.80	26.14	27.81	0.000122	0.43	9.59	5.78	0.11
Sammontana	Sammontana 1	38.5		Bridge										
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP18H	3.04	25.38	27.46		27.47	0.000131	0.41	7.44	4.86	0.11
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP18H	1.82	25.38	27.24		27.25	0.000069	0.28	6.42	4.65	0.08
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP24H	2.64	25.38	27.38		27.39	0.000113	0.37	7.06	4.75	0.10
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP24H	1.39	25.38	27.18		27.18	0.000046	0.23	6.11	4.60	0.06
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP36H	1.72	25.38	27.23		27.23	0.000064	0.27	6.35	4.64	0.07
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP36H	0.99	25.38	27.12		27.12	0.000027	0.17	5.84	4.56	0.05
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP01H	3.63	25.38	27.69		27.70	0.000130	0.42	8.64	5.55	0.11
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP01H	3.94	25.38	27.77		27.78	0.000133	0.43	9.08	5.71	0.11
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP03H	1.81	25.38	27.19		27.19	0.000077	0.29	6.16	4.61	0.08
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP03H	4.23	25.38	27.84		27.85	0.000134	0.44	9.53	5.88	0.11
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP06H	4.23	25.38	27.83		27.84	0.000138	0.45	9.45	5.85	0.11
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP06H	3.78	25.38	27.63		27.64	0.000154	0.45	8.34	5.40	0.12
Sammontana	Sammontana 1	38	Max WS	IC TR030 TP09H	3.57	25.38	27.55		27.56	0.000156	0.45	7.91	5.14	0.12
Sammontana	Sammontana 1	38	Max WS	IC TR200 TP09H	4.08	25.38	27.78		27.79	0.000139	0.44	9.18	5.75	0.11
Sammontana	Sammontana 1	37.99		Lat Struct										
Sammontana	Sammontana 1	37.98		Lat Struct										
Sammontana	Sammontana 1	37	Max WS	IC TR200 TP18H	3.04	25.38	27.45		27.46	0.000246	0.52	5.82	3.97	0.14
Sammontana	Sammontana 1	37	Max WS	IC TR030 TP18H	1.82	25.38	27.24		27.25	0.000132	0.36	5.01	3.76	0.10
Sammontana	Sammontana 1	37	Max WS	IC TR200 TP24H	2.64	25.38	27.37		27.38	0.000215	0.48	6.51	3.86	0.13
Sammontana	Sammontana 1	37	Max WS	IC TR030 TP24H	1.39	25.38	27.17		27.18	0.000088	0.29	4.78	3.71	0.08
Sammontana	Sammontana 1	37	Max WS	IC TR200 TP36H	1.72	25.38	27.23		27.23	0.000122	0.35	4.95	3.75	0.10
Sammontana	Sammontana 1	37	Max WS	IC TR030 TP36H	0.99	25.38	27.12		27.12	0.000051	0.22	4.55	3.66	0.06
Sammontana	Sammontana 1	37	Max WS	IC TR030 TP01H	3.62	25.38	27.68		27.70	0.000212	0.53	6.95	5.25	0.13
Sammontana	Sammontana 1	37	Max WS	IC TR200 TP01H	3.94	25.38	27.76		27.78	0.000216	0.55	7.37	5.49	0.13
Sammontana	Sammontana 1	37	Max WS	IC TR030 TP03H	1.81	25.38	27.18							

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	36.667	Max WS	IC TR030 TP01H	3.61	25.37	27.68		27.69	0.000199	0.52	7.19	5.89	0.13
Sammontana	Sammontana 1	36.667	Max WS	IC TR200 TP01H	3.94	25.37	27.76		27.77	0.000202	0.54	7.66	6.16	0.13
Sammontana	Sammontana 1	36.667	Max WS	IC TR030 TP03H	1.81	25.37	27.18		27.19	0.000139	0.37	4.89	3.75	0.10
Sammontana	Sammontana 1	36.667	Max WS	IC TR200 TP03H	4.22	25.37	27.83		27.85	0.000199	0.55	8.14	6.42	0.13
Sammontana	Sammontana 1	36.667	Max WS	IC TR200 TP06H	4.22	25.37	27.82		27.83	0.000205	0.56	8.05	6.37	0.13
Sammontana	Sammontana 1	36.667	Max WS	IC TR030 TP06H	3.78	25.37	27.62		27.64	0.000246	0.57	6.85	5.70	0.14
Sammontana	Sammontana 1	36.667	Max WS	IC TR030 TP09H	3.57	25.37	27.54		27.55	0.000263	0.57	6.40	5.42	0.14
Sammontana	Sammontana 1	36.667	Max WS	IC TR200 TP09H	4.07	25.37	27.77		27.79	0.000209	0.56	7.76	6.21	0.13
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP18H	3.04	25.37	27.44		27.45	0.000224	0.51	6.02	5.66	0.13
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP18H	1.82	25.37	27.23		27.24	0.000119	0.35	5.20	3.84	0.10
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP24H	2.64	25.37	27.36		27.37	0.000196	0.46	5.70	3.94	0.12
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP24H	1.39	25.37	27.17		27.17	0.000079	0.28	4.95	3.79	0.08
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP36H	1.72	25.37	27.22		27.23	0.000110	0.33	5.15	3.83	0.09
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP36H	0.99	25.37	27.11		27.11	0.000045	0.21	4.74	3.74	0.06
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP01H	3.60	25.37	27.67		27.69	0.000188	0.51	7.46	6.68	0.12
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP01H	3.94	25.37	27.75		27.76	0.000191	0.53	7.99	6.94	0.13
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP03H	1.81	25.37	27.18		27.18	0.000133	0.36	4.98	3.79	0.10
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP03H	4.22	25.37	27.83		27.84	0.000187	0.54	8.54	7.18	0.13
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP06H	4.22	25.37	27.81		27.83	0.000192	0.54	8.44	7.14	0.13
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP06H	3.78	25.37	27.61		27.63	0.000235	0.56	7.08	6.43	0.14
Sammontana	Sammontana 1	36.333	Max WS	IC TR030 TP09H	3.57	25.37	27.53		27.55	0.000252	0.56	6.56	6.06	0.14
Sammontana	Sammontana 1	36.333	Max WS	IC TR200 TP09H	4.07	25.37	27.77		27.78	0.000197	0.54	8.11	6.99	0.13
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP18H	3.04	25.36	27.43		27.44	0.000217	0.50	6.15	6.62	0.13
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP18H	1.82	25.36	27.23		27.24	0.000115	0.34	5.29	3.88	0.09
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP24H	2.64	25.36	27.36		27.37	0.000190	0.46	5.79	3.98	0.12
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP24H	1.39	25.36	27.17		27.17	0.000076	0.27	5.05	3.82	0.08
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP36H	1.72	25.36	27.22		27.22	0.000106	0.33	5.24	3.87	0.09
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP36H	0.99	25.36	27.11		27.11	0.000043	0.20	4.84	3.78	0.06
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP01H	3.59	25.36	27.67		27.68	0.000178	0.50	7.80	7.40	0.12
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP01H	3.94	25.36	27.75		27.76	0.000182	0.52	8.39	7.66	0.12
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP03H	1.81	25.36	27.17		27.18	0.000128	0.36	5.07	3.83	0.10
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP03H	4.22	25.36	27.82		27.84	0.000177	0.52	8.99	7.91	0.12
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP06H	4.22	25.36	27.81		27.82	0.000182	0.53	8.88	7.86	0.12
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP06H	3.78	25.36	27.61		27.62	0.000226	0.55	7.36	7.20	0.13
Sammontana	Sammontana 1	36	Max WS	IC TR030 TP09H	3.57	25.36	27.52		27.54	0.000243	0.55	6.77	6.92	0.14
Sammontana	Sammontana 1	36	Max WS	IC TR200 TP09H	4.07	25.36	27.76		27.77	0.000187	0.53	8.51	7.71	0.12
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP18H	3.04	25.34	27.43	26.00	27.44	0.000107	0.38	7.99	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP18H	1.82	25.34	27.23	25.88	27.23	0.000056	0.26	6.97	4.93	0.07
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP24H	2.64	25.34	27.36	25.96	27.36	0.000093	0.35	7.61	5.04	0.09
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP24H	1.39	25.34	27.17	25.83	27.17	0.000037	0.21	6.67	4.88	0.06
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP36H	1.72	25.34	27.22	25.87	27.22	0.000052	0.25	6.91	4.92	0.07
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP36H	0.99	25.34	27.11	25.78	27.11	0.000021	0.15	6.39	4.83	0.04
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP01H	3.94	25.34	27.67	26.04	27.68	0.000103	0.39	9.19	5.06	0.09
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP01H	3.94	25.34	27.75	26.07	27.76	0.000110	0.41	9.58	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP03H	1.81	25.34	27.17	25.88	27.18	0.000063	0.27	6.69	4.88	0.07
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP03H	4.22	25.34	27.82	26.09	27.83	0.000113	0.42	9.97	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP06H	4.22	25.34	27.81	26.09	27.82	0.000115	0.43	9.90	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP06H	3.78	25.34	27.61	26.06	27.62	0.000124	0.43	8.88	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR030 TP09H	3.57	25.34	27.53	26.04	27.54	0.000127	0.42	8.46	5.06	0.10
Sammontana	Sammontana 1	34	Max WS	IC TR200 TP09H	4.07	25.34	27.76	26.08	27.77	0.000115	0.42	9.66	5.06	0.10
Sammontana	Sammontana 1	33.5												
Sammontana	Sammontana 1	33												
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP18H	3.04	25.34	27.43		27.44	0.000108	0.38	7.97	5.06	0.10
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP18H	1.82	25.34	27.23		27.23	0.000056	0.26	6.96	4.93	0.07
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP24H	2.64	25.34	27.35		27.36	0.000093	0.35	7.59	5.04	0.09
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP24H	1.39	25.34	27.17		27.17	0.000037	0.21	6.66	4.88	0.06
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP36H	1.72	25.34	27.22		27.22	0.000052	0.25	6.90	4.92	0.07
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP36H	0.99	25.34	27.11		27.11	0.000021	0.15	6.39	4.83	0.04
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP01H	3.58	25.34	27.66		27.67	0.000103	0.39	9.13	5.06	0.09
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP01H	3.94	25.34	27.73		27.74	0.000112	0.41	9.51	5.06	0.10
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP03H	1.81	25.34	27.17		27.17	0.000063	0.27	6.68	4.88	0.07
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP03H	4.22	25.34	27.81		27.82	0.000115	0.43	9.89	5.06	0.10
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP06H	4.21	25.34	27.80		27.81	0.000117	0.43	9.82	5.06	0.10
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP06H	3.78	25.34	27.60		27.61	0.000126	0.43	8.83	5.06	0.10
Sammontana	Sammontana 1	33	Max WS	IC TR030 TP09H	3.57	25.34	27.52		27.53	0.000129	0.42	8.42	5.06	0.11
Sammontana	Sammontana 1	33	Max WS	IC TR200 TP09H	4.07	25.34	27.75		27.76	0.000117	0.42	9.59	5.06	0.10
Sammontana	Sammontana 1	32.96												
Sammontana	Sammontana 1	32												
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP18H	3.04	25.34	27.42		27.43	0.000231	0.51	5.98	3.93	0.13
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP18H	1.82	25.34	27.23		27.23	0.000119	0.35	5.22	3.80	0.09
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP24H	2.64	25.34	27.35		27.36	0.000199	0.46	5.69	3.90	0.12
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP24H	1.39	25.34	27.16		27.17	0.000079	0.28	4.99	3.75	0.08
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP36H	1.72	25.34	27.21		27.22	0.000110	0.33	5.17	3.79	0.09
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP36H	0.99	25.34	27.11		27.11	0.000045	0.21	4.78	3.71	0.06
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP01H	3.56	25.34	27.65		27.67	0.000217	0.52	6.89	3.93	0.12
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP01H	3.94	25.34	27.73		27.74	0.000239	0.55	7.18	3.93	0.13
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP03H	1.81	25.34	27.17		27.17	0.000134	0.36	5.00	3.76	0.10
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP03H	4.20	25.34	27.80		27.82	0.000243	0.56	7.47	3.93	0.13
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP06H	4.19	25.34	27.79		27.80	0.000248	0.57	7.42	3.93	0.13
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP06H	3.78	25.34	27.59		27.61	0.000271	0.57	6.64	3.93	0.14
Sammontana	Sammontana 1	32	Max WS	IC TR030 TP09H	3.57	25.34	27.51		27.53	0.000275	0.56	6.32	3.93	0.14
Sammontana	Sammontana 1	32	Max WS	IC TR200 TP09H	4.08	25.34	27.74		27.76	0.000250	0.56	7.23	3.93	0.13
Sammontana	Sammontana 1	31.900	Max WS	IC TR200 TP18H	3.05	25.33	27.41		27.43	0.000233	0.51	5.98	3.93	0.13
Sammontana	Sammontana 1	31.900	Max WS	IC TR030 TP18H	1.82	25.33	27.22		27.23	0.000119	0.35	5.24	3.81	0.09
Sammontana	Sammontana 1	31.900	Max WS	IC TR200 TP24H	2.65	25.33	27.34		27.35	0.000200	0.46	5.70	3.90	0.12
Sammontana	Sammontana 1	31.900												

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	31.800	Max WS	IC TR030 TP03H	1.83	25.32	27.16		27.17	0.000133	0.36	5.03	3.76	0.10
Sammontana	Sammontana 1	31.800	Max WS	IC TR200 TP03H	5.01	25.32	27.77		27.79	0.000354	0.68	7.40	3.93	0.16
Sammontana	Sammontana 1	31.800	Max WS	IC TR200 TP06H	5.02	25.32	27.75		27.78	0.000364	0.68	7.35	3.93	0.16
Sammontana	Sammontana 1	31.800	Max WS	IC TR030 TP06H	4.03	25.32	27.57		27.59	0.000310	0.61	6.62	3.93	0.15
Sammontana	Sammontana 1	31.800	Max WS	IC TR030 TP09H	3.63	25.32	27.49		27.51	0.000284	0.57	6.32	3.93	0.14
Sammontana	Sammontana 1	31.800	Max WS	IC TR200 TP09H	4.84	25.32	27.71		27.73	0.000361	0.68	7.17	3.93	0.16
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP18H	3.09	25.31	27.40		27.41	0.000238	0.52	5.99	3.92	0.13
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP18H	1.84	25.31	27.21		27.22	0.000119	0.35	5.27	3.81	0.09
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP24H	2.68	25.31	27.33		27.34	0.000202	0.47	5.72	3.91	0.12
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP24H	1.40	25.31	27.16		27.16	0.000077	0.28	5.06	3.77	0.08
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP36H	1.74	25.31	27.20		27.21	0.000109	0.33	5.23	3.80	0.09
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP36H	0.99	25.31	27.10		27.11	0.000043	0.20	4.86	3.73	0.06
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP01H	3.65	25.31	27.63		27.64	0.000227	0.53	6.90	3.92	0.13
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP01H	3.76	25.31	27.70		27.72	0.000216	0.52	7.19	3.92	0.12
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP03H	1.83	25.31	27.15		27.16	0.000133	0.36	5.05	3.77	0.10
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP03H	5.40	25.31	27.75		27.77	0.000419	0.73	7.36	3.92	0.17
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP06H	5.38	25.31	27.73		27.76	0.000425	0.74	7.30	3.92	0.17
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP06H	4.12	25.31	27.55		27.57	0.000326	0.62	6.60	3.92	0.15
Sammontana	Sammontana 1	31.700	Max WS	IC TR030 TP09H	3.66	25.31	27.48		27.50	0.000289	0.58	6.31	3.92	0.15
Sammontana	Sammontana 1	31.700	Max WS	IC TR200 TP09H	5.07	25.31	27.69		27.72	0.000401	0.71	7.13	3.92	0.17
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP18H	3.11	25.30	27.39		27.40	0.000241	0.52	5.99	3.92	0.13
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP18H	1.85	25.30	27.21		27.22	0.000119	0.35	5.29	3.82	0.09
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP24H	2.69	25.30	27.32		27.33	0.000204	0.47	5.72	3.91	0.12
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP24H	1.40	25.30	27.15		27.16	0.000076	0.28	5.08	3.77	0.08
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP36H	1.75	25.30	27.20		27.20	0.000109	0.33	5.25	3.81	0.09
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP36H	0.99	25.30	27.10		27.11	0.000042	0.20	4.89	3.73	0.06
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP01H	3.49	25.30	27.63		27.64	0.000206	0.50	6.91	3.92	0.12
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP01H	3.52	25.30	27.70		27.71	0.000188	0.49	7.20	3.92	0.12
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP03H	1.84	25.30	27.15		27.16	0.000133	0.36	5.06	3.77	0.10
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP03H	5.18	25.30	27.74		27.76	0.000386	0.70	7.35	3.92	0.16
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP06H	5.18	25.30	27.72		27.75	0.000391	0.71	7.29	3.92	0.17
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP06H	4.01	25.30	27.55		27.56	0.000308	0.61	6.60	3.92	0.15
Sammontana	Sammontana 1	31.600	Max WS	IC TR030 TP09H	3.62	25.30	27.47		27.49	0.000283	0.57	6.31	3.92	0.14
Sammontana	Sammontana 1	31.600	Max WS	IC TR200 TP09H	4.86	25.30	27.68		27.70	0.000368	0.68	7.13	3.92	0.16
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP18H	3.13	25.30	27.38		27.40	0.000244	0.52	5.99	3.92	0.13
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP18H	1.85	25.30	27.21		27.21	0.000119	0.35	5.31	3.82	0.09
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP24H	2.70	25.30	27.31		27.33	0.000205	0.47	5.73	3.91	0.12
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP24H	1.41	25.30	27.15		27.16	0.000076	0.28	5.10	3.78	0.08
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP36H	1.76	25.30	27.19		27.20	0.000109	0.33	5.27	3.81	0.09
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP36H	0.99	25.30	27.10		27.10	0.000041	0.20	4.92	3.74	0.06
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP01H	3.24	25.30	27.62		27.63	0.000176	0.47	6.94	3.92	0.11
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP01H	3.24	25.30	27.70		27.71	0.000158	0.45	7.23	3.92	0.11
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP03H	1.85	25.30	27.15		27.15	0.000133	0.36	5.08	3.77	0.10
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP03H	4.72	25.30	27.73		27.75	0.000319	0.64	7.37	3.92	0.15
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP06H	4.71	25.30	27.72		27.74	0.000323	0.64	7.31	3.92	0.15
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP06H	3.78	25.30	27.54		27.56	0.000273	0.57	6.61	3.92	0.14
Sammontana	Sammontana 1	31.500	Max WS	IC TR030 TP09H	3.52	25.30	27.46		27.48	0.000268	0.56	6.31	3.92	0.14
Sammontana	Sammontana 1	31.500	Max WS	IC TR200 TP09H	4.44	25.30	27.68		27.70	0.000305	0.62	7.15	3.92	0.15
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP18H	3.14	25.29	27.37		27.39	0.000246	0.52	6.00	3.92	0.14
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP18H	1.86	25.29	27.20		27.21	0.000118	0.35	5.33	3.83	0.09
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP24H	2.71	25.29	27.31		27.32	0.000206	0.47	5.74	3.91	0.12
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP24H	1.41	25.29	27.15		27.15	0.000075	0.27	5.13	3.78	0.08
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP36H	1.76	25.29	27.19		27.20	0.000109	0.33	5.29	3.82	0.09
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP36H	0.99	25.29	27.10		27.10	0.000041	0.20	4.95	3.74	0.06
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP01H	3.07	25.29	27.62		27.63	0.000157	0.44	6.96	3.92	0.11
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP01H	3.01	25.29	27.69		27.70	0.000135	0.42	7.25	3.92	0.10
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP03H	1.86	25.29	27.14		27.15	0.000133	0.36	5.10	3.78	0.10
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP03H	4.37	25.29	27.73		27.75	0.000271	0.59	7.39	3.92	0.14
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP06H	4.35	25.29	27.71		27.73	0.000274	0.59	7.33	3.92	0.14
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP06H	3.63	25.29	27.53		27.55	0.000251	0.55	6.62	3.92	0.13
Sammontana	Sammontana 1	31.400	Max WS	IC TR030 TP09H	3.51	25.29	27.46		27.47	0.000266	0.56	6.32	3.92	0.14
Sammontana	Sammontana 1	31.400	Max WS	IC TR200 TP09H	4.12	25.29	27.67		27.69	0.000261	0.57	7.17	3.92	0.14
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP18H	3.15	25.28	27.37		27.38	0.000246	0.52	6.00	3.92	0.14
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP18H	1.87	25.28	27.20		27.20	0.000118	0.35	5.35	3.83	0.09
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP24H	2.73	25.28	27.30		27.31	0.000208	0.47	5.75	3.91	0.13
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP24H	1.41	25.28	27.15		27.15	0.000075	0.27	5.15	3.79	0.08
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP36H	1.77	25.28	27.19		27.19	0.000108	0.33	5.31	3.82	0.09
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP36H	0.99	25.28	27.10		27.10	0.000040	0.20	4.97	3.75	0.05
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP01H	3.00	25.28	27.62		27.62	0.000149	0.43	6.98	3.92	0.10
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP01H	2.86	25.28	27.69		27.70	0.000121	0.39	7.28	3.92	0.09
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP03H	1.86	25.28	27.14		27.14	0.000133	0.36	5.11	3.78	0.10
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP03H	4.06	25.28	27.72		27.74	0.000233	0.55	7.40	3.92	0.13
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP06H	4.06	25.28	27.71		27.73	0.000238	0.55	7.35	3.92	0.13
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP06H	3.67	25.28	27.52		27.54	0.000256	0.55	6.62	3.92	0.14
Sammontana	Sammontana 1	31.300	Max WS	IC TR030 TP09H	3.61	25.28	27.44		27.46	0.000283	0.57	6.31	3.92	0.14
Sammontana	Sammontana 1	31.300	Max WS	IC TR200 TP09H	3.89	25.28	27.67		27.68	0.000232	0.54	7.18	3.92	0.13
Sammontana	Sammontana 1	31.219												
Sammontana	Sammontana 1	31.200		Lat Struct										
Sammontana	Sammontana 1	31.200	Max WS	IC TR200 TP18H	3.18	25.27	27.36		27.37	0.000251	0.53	6.00	3.91	0.14
Sammontana	Sammontana 1	31.200	Max WS	IC TR030 TP18H	1.88	25.27	27.19		27.20	0.000118	0.35	5.37	3.83	0.09
Sammontana	Sammontana 1	31.200	Max WS	IC TR200 TP24H	2.74	25.27	27.29		27.31	0.000209	0.48	5.75	3.91	0.13
Sammontana	Sammontana 1	31.200	Max WS	IC TR030 TP24H	1.42	25.27	27.14		27.15	0.000074	0.27	5.18	3.79	0.07
Sammontana	Sammontana 1	31.200	Max WS	IC TR200 TP36H	1.78	25.27	27.18		27.19	0.000108	0.33	5.33	3.82	0.09
Sammontana	Sammontana 1	31.200	Max WS											

River	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
Sammontana	Sammontana 1	31.100	Max WS	IC_TR030_TP09H	3.61	25.26	27.43		27.44	0.000284	0.57	6.30	3.91	0.14
Sammontana	Sammontana 1	31.100	Max WS	IC_TR200_TP09H	3.74	25.26	27.65		27.67	0.000214	0.52	7.20	3.91	0.12
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP18H	3.20	25.25	27.34		27.35	0.000255	0.53	6.01	3.91	0.14
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP18H	1.89	25.25	27.19		27.19	0.000118	0.35	5.41	3.84	0.09
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP24H	2.77	25.25	27.28		27.29	0.000212	0.48	5.77	3.91	0.13
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP24H	1.42	25.25	27.14		27.14	0.000073	0.27	5.23	3.80	0.07
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP36H	1.79	25.25	27.18		27.18	0.000108	0.33	5.37	3.83	0.09
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP36H	0.99	25.25	27.10		27.10	0.000038	0.19	5.06	3.77	0.05
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP01H	3.66	25.25	27.59		27.60	0.000223	0.52	6.98	3.91	0.13
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP01H	3.29	25.25	27.67		27.68	0.000158	0.45	7.31	3.91	0.11
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP03H	1.89	25.25	27.12		27.13	0.000133	0.37	5.17	3.79	0.10
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP03H	4.38	25.25	27.70		27.71	0.000272	0.59	7.40	3.91	0.14
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP06H	4.54	25.25	27.68		27.70	0.000300	0.62	7.32	3.91	0.14
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP06H	4.13	25.25	27.49		27.51	0.000332	0.63	6.58	3.91	0.15
Sammontana	Sammontana 1	31	Max WS	IC_TR030_TP09H	3.76	25.25	27.41		27.43	0.000310	0.60	6.29	3.91	0.15
Sammontana	Sammontana 1	31	Max WS	IC_TR200_TP09H	4.53	25.25	27.63		27.65	0.000320	0.63	7.15	3.91	0.15
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP18H	3.23	25.31	27.34	25.97	27.35	0.000221	0.49	6.59	3.94	0.12
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP18H	1.90	25.31	27.18	25.84	27.19	0.000098	0.32	6.00	3.89	0.08
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP24H	2.78	25.31	27.28	25.93	27.29	0.000180	0.44	6.36	3.92	0.11
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP24H	1.43	25.31	27.14	25.78	27.14	0.000060	0.25	5.82	3.87	0.06
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP36H	1.79	25.31	27.17	25.83	27.18	0.000090	0.30	5.96	3.89	0.08
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP36H	0.99	25.31	27.10	25.73	27.10	0.000031	0.17	5.66	3.86	0.05
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP01H	4.05	25.31	27.58	26.05	27.59	0.000240	0.54	7.55	3.95	0.12
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP01H	3.80	25.31	27.66	26.03	27.68	0.000188	0.48	7.89	3.95	0.11
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP03H	1.89	25.31	27.12	25.84	27.13	0.000110	0.33	5.76	3.87	0.09
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP03H	4.98	25.31	27.68	26.13	27.70	0.000316	0.63	7.95	3.95	0.14
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP06H	5.16	25.31	27.66	26.14	27.68	0.000347	0.65	7.88	3.95	0.15
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP06H	4.28	25.31	27.48	26.07	27.50	0.000309	0.60	7.16	3.95	0.14
Sammontana	Sammontana 1	30	Max WS	IC_TR030_TP09H	3.83	25.31	27.41	26.03	27.42	0.000278	0.56	6.87	3.95	0.14
Sammontana	Sammontana 1	30	Max WS	IC_TR200_TP09H	5.08	25.31	27.62	26.13	27.64	0.000358	0.66	7.70	3.95	0.15
Sammontana	Sammontana 1	29.5												
Sammontana	Sammontana 1	29												
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP18H	3.23	25.23	27.31		27.33	0.000315	0.55	5.86	3.18	0.13
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP18H	1.90	25.23	27.17		27.18	0.000133	0.35	5.42	3.17	0.09
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP24H	2.78	25.23	27.26		27.27	0.000252	0.49	5.69	3.18	0.12
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP24H	1.43	25.23	27.13		27.14	0.000081	0.27	5.29	3.17	0.07
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP36H	1.79	25.23	27.17		27.17	0.000121	0.33	5.40	3.17	0.08
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP36H	0.99	25.23	27.09		27.09	0.000041	0.19	5.16	3.17	0.05
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP01H	3.97	25.23	27.53		27.55	0.000352	0.60	6.57	3.18	0.13
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP01H	3.73	25.23	27.62		27.64	0.000278	0.54	6.86	3.18	0.12
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP03H	1.89	25.23	27.11		27.12	0.000147	0.36	5.22	3.17	0.09
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP03H	4.83	25.23	27.61		27.64	0.000473	0.71	6.81	3.18	0.15
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP06H	5.14	25.23	27.59		27.62	0.000552	0.76	6.73	3.18	0.17
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP06H	4.23	25.23	27.43		27.45	0.000458	0.68	6.24	3.18	0.15
Sammontana	Sammontana 1	29	Max WS	IC_TR030_TP09H	3.82	25.23	27.37		27.39	0.000406	0.63	6.04	3.18	0.15
Sammontana	Sammontana 1	29	Max WS	IC_TR200_TP09H	5.07	25.23	27.54		27.57	0.000567	0.77	6.60	3.18	0.17
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP18H	3.23	25.34	27.31		27.32	0.000263	0.57	5.71	3.82	0.15
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP18H	1.90	25.34	27.17		27.18	0.000120	0.36	5.20	3.82	0.10
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP24H	2.78	25.34	27.26		27.27	0.000216	0.50	5.51	3.82	0.13
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP24H	1.43	25.34	27.13		27.14	0.000075	0.28	5.04	3.81	0.08
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP36H	1.79	25.34	27.17		27.17	0.000110	0.35	5.17	3.82	0.10
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP36H	0.99	25.34	27.09		27.09	0.000039	0.20	4.88	3.81	0.06
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP01H	3.97	25.34	27.53		27.55	0.000261	0.60	6.58	3.83	0.15
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP01H	3.73	25.34	27.62		27.64	0.000199	0.54	6.92	3.83	0.13
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP03H	1.89	25.34	27.11		27.12	0.000138	0.38	4.96	3.81	0.11
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP03H	4.83	25.34	27.61		27.64	0.000340	0.70	6.87	3.83	0.17
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP06H	5.14	25.34	27.58		27.61	0.000402	0.76	6.77	3.83	0.18
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP06H	4.23	25.34	27.43		27.45	0.000358	0.69	6.17	3.83	0.17
Sammontana	Sammontana 1	28	Max WS	IC_TR030_TP09H	3.82	25.34	27.37		27.39	0.000327	0.64	5.94	3.82	0.16
Sammontana	Sammontana 1	28	Max WS	IC_TR200_TP09H	5.07	25.34	27.54		27.57	0.000420	0.77	6.61	3.83	0.19
Sammontana	Sammontana 1	27.99												
Sammontana	Sammontana 1	27.98												
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP18H	3.29	25.43	27.27		27.30	0.000740	0.78	4.23	4.14	0.25
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP18H	1.92	25.43	27.16		27.17	0.000306	0.51	3.80	3.61	0.16
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP24H	2.82	25.43	27.23		27.25	0.000554	0.70	4.05	3.67	0.21
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP24H	1.44	25.43	27.12		27.13	0.000188	0.39	3.67	3.57	0.12
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP36H	1.82	25.43	27.15		27.16	0.000278	0.48	3.77	3.60	0.15
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP36H	0.99	25.43	27.09		27.09	0.000098	0.28	3.54	3.54	0.09
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP01H	4.35	25.43	27.49		27.53	0.000753	0.85	5.12	4.14	0.24
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP01H	4.35	25.43	27.58		27.61	0.000611	0.79	5.51	4.14	0.22
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP03H	1.92	25.43	27.09		27.11	0.000362	0.54	3.56	3.55	0.17
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP03H	5.14	25.43	27.56		27.61	0.000898	0.95	5.41	4.14	0.26
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP06H	5.36	25.43	27.53		27.58	0.001045	1.01	5.29	4.14	0.29
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP06H	4.34	25.43	27.38		27.42	0.000969	0.93	4.67	4.14	0.28
Sammontana	Sammontana 1	27	Max WS	IC_TR030_TP09H	3.91	25.43	27.32		27.36	0.000915	0.88	4.43	4.14	0.27
Sammontana	Sammontana 1	27	Max WS	IC_TR200_TP09H	5.23	25.43	27.49		27.54	0.001093	1.02	5.11	4.14	0.29
Sammontana	Sammontana 1	26	Max WS	IC_TR200_TP18H	3.29	25.50	27.28		27.30	0.000600	0.72	4.54	4.31	0.23
Sammontana	Sammontana 1	26	Max WS	IC_TR030_TP18H	1.92	25.50	27.16		27.17	0.000279	0.47	4.05	4.05	0.15
Sammontana	Sammontana 1	26	Max WS	IC_TR200_TP24H	2.82	25.50	27.23		27.25	0.000505	0.65	4.34	4.27	0.21
Sammontana	Sammontana 1	26	Max WS	IC_TR030_TP24H	1.44	25.50	27.12		27.13	0.000168	0.37	3.90	3.87	0.12
Sammontana	Sammontana 1	26	Max WS	IC_TR200_TP36H	1.82	25.50	27.15		27.16	0.000252	0.45	4.02	4.01	0.14
Sammontana	Sammontana 1	26	Max WS	IC_TR030_TP36H	0.99	25.50	27.09		27.09	0.000085	0.26	3.77	3.70	0.08
Sammontana	Sammontana 1	26	Max WS	IC_TR030_TP01H	4.37	25.50	27.49		27.52	0.000599	0.78	5.60	4.94	0.23
Sammontana	Sammontana 1	26	Max WS	IC_TR200_TP01H	4.37	25.50	27.59		27.61	0.000460	0.72	6.06	4.94	0.21
Sammontana	Sammontana 1	26	Max WS	IC_TR030_TP03H	1.92	25.50	27.09		27.11	0.000316	0.51	3.79	3.73	0.16
Sammontana	Sammontana 1	26	Max WS	IC_TR200_TP03H	5.16	25.50	27.56		27.60	0.000681	0.87	5.95		



HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	25.500	Max WS	IC TR030 TP09H	3.98	25.51	27.31		27.34	0.000659	0.78	5.10	5.17	0.25
Sammontana	Sammontana 1	25.500	Max WS	IC TR200 TP09H	5.35	25.51	27.47		27.51	0.000715	0.90	5.95	5.18	0.27
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP18H	3.37	25.51	27.25		27.27	0.000409	0.63	5.39	5.42	0.20
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP18H	1.95	25.51	27.15		27.16	0.000171	0.40	4.87	4.86	0.13
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP24H	2.87	25.51	27.21		27.23	0.000309	0.56	5.17	4.95	0.17
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP24H	1.45	25.51	27.12		27.12	0.000104	0.31	4.72	4.82	0.10
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP36H	1.85	25.51	27.14		27.15	0.000155	0.38	4.84	4.85	0.12
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP36H	0.99	25.51	27.08		27.09	0.000053	0.22	4.56	4.79	0.07
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP01H	4.98	25.51	27.46		27.49	0.000478	0.77	6.50	5.43	0.22
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP01H	5.30	25.51	27.55		27.58	0.000423	0.76	7.00	5.43	0.21
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP03H	1.95	25.51	27.08		27.09	0.000209	0.43	4.55	4.78	0.14
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP03H	5.68	25.51	27.53		27.56	0.000513	0.82	6.89	5.43	0.23
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP06H	5.70	25.51	27.50		27.53	0.000559	0.85	6.73	5.43	0.24
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP06H	4.53	25.51	27.35		27.38	0.000539	0.76	5.92	5.42	0.23
Sammontana	Sammontana 1	25	Max WS	IC TR030 TP09H	4.04	25.51	27.29		27.32	0.000511	0.72	5.62	5.42	0.23
Sammontana	Sammontana 1	25	Max WS	IC TR200 TP09H	5.47	25.51	27.46		27.49	0.000577	0.84	6.50	5.43	0.25
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP18H	3.41	25.47	27.24		27.26	0.000457	0.66	5.18	5.11	0.21
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP18H	1.97	25.47	27.14		27.15	0.000207	0.42	4.69	5.00	0.14
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP24H	2.89	25.47	27.20		27.22	0.000376	0.58	4.98	5.11	0.19
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP24H	1.46	25.47	27.11		27.12	0.000125	0.32	4.54	4.93	0.11
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP36H	1.86	25.47	27.14		27.15	0.000187	0.40	4.66	4.99	0.13
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP36H	0.99	25.47	27.08		27.08	0.000062	0.22	4.38	4.78	0.08
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP01H	5.20	25.47	27.43		27.47	0.000594	0.84	6.17	5.12	0.25
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP01H	5.64	25.47	27.53		27.56	0.000548	0.85	6.63	5.12	0.24
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP03H	1.96	25.47	27.08		27.09	0.000248	0.45	4.35	4.74	0.15
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP03H	5.87	25.47	27.51		27.55	0.000625	0.90	6.53	5.12	0.25
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP06H	5.82	25.47	27.48		27.52	0.000662	0.91	6.39	5.12	0.26
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP06H	4.60	25.47	27.33		27.37	0.000624	0.81	5.65	5.11	0.25
Sammontana	Sammontana 1	24.500	Max WS	IC TR030 TP09H	4.09	25.47	27.28		27.31	0.000582	0.76	5.37	5.11	0.24
Sammontana	Sammontana 1	24.500	Max WS	IC TR200 TP09H	5.55	25.47	27.44		27.48	0.000674	0.90	6.18	5.12	0.26
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP18H	3.44	25.44	27.23		27.25	0.000559	0.70	4.88	4.80	0.22
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP18H	1.98	25.44	27.14		27.15	0.000223	0.44	4.48	4.39	0.14
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP24H	2.92	25.44	27.19		27.21	0.000440	0.62	4.71	4.89	0.20
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP24H	1.46	25.44	27.11		27.12	0.000128	0.34	4.36	4.21	0.11
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP36H	1.87	25.44	27.13		27.14	0.000200	0.42	4.46	4.36	0.13
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP36H	0.99	25.44	27.08		27.08	0.000061	0.23	4.23	4.01	0.07
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP01H	5.43	25.44	27.41		27.45	0.000842	0.95	5.75	4.80	0.28
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP01H	5.96	25.44	27.49		27.54	0.000821	0.97	6.17	4.80	0.27
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP03H	1.97	25.44	27.07		27.08	0.000247	0.47	4.19	3.94	0.15
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP03H	6.07	25.44	27.48		27.53	0.000880	1.00	6.09	4.80	0.28
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP06H	5.94	25.44	27.45		27.50	0.000902	1.00	5.96	4.80	0.29
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP06H	4.67	25.44	27.31		27.35	0.000807	0.88	5.29	4.80	0.27
Sammontana	Sammontana 1	24	Max WS	IC TR030 TP09H	4.14	25.44	27.26		27.29	0.000734	0.82	5.04	4.80	0.26
Sammontana	Sammontana 1	24	Max WS	IC TR200 TP09H	5.64	25.44	27.41		27.46	0.000898	0.98	5.77	4.80	0.28
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP18H	3.44	24.93	27.22	25.56	27.24	0.000652	0.60	5.75	6.61	0.20
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP18H	1.98	24.93	27.14	25.38	27.14	0.000205	0.38	5.26	4.21	0.11
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP24H	2.92	24.93	27.19	25.50	27.20	0.000506	0.53	5.53	6.22	0.18
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP24H	1.46	24.93	27.11	25.30	27.11	0.000087	0.28	5.17	2.55	0.06
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP36H	1.87	24.93	27.13	25.36	27.14	0.000176	0.36	5.24	3.91	0.10
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP36H	0.99	24.93	27.08	25.22	27.08	0.000041	0.19	5.09	2.53	0.04
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP01H	5.43	24.93	27.40	25.78	27.43	0.000980	0.75	7.20	8.71	0.26
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP01H	5.98	24.93	27.49	25.84	27.52	0.000879	0.75	8.04	11.51	0.26
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP03H	1.97	24.93	27.07	25.38	27.08	0.000167	0.39	5.06	2.53	0.09
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP03H	6.07	24.93	27.47	25.84	27.51	0.000965	0.77	7.85	9.66	0.27
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP06H	5.94	24.93	27.45	25.83	27.48	0.001016	0.78	7.59	9.01	0.27
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP06H	4.67	24.93	27.30	25.70	27.33	0.001010	0.73	6.38	8.06	0.26
Sammontana	Sammontana 1	23	Max WS	IC TR030 TP09H	4.14	24.93	27.25	25.64	27.28	0.000932	0.69	5.97	7.55	0.25
Sammontana	Sammontana 1	23	Max WS	IC TR200 TP09H	5.64	24.93	27.41	25.80	27.44	0.001044	0.78	7.23	8.74	0.27
Sammontana	Sammontana 1	22.5												
					Bridge									
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP18H	3.44	24.89	27.17		27.18	0.000099	0.38	8.97	5.97	0.10
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP18H	1.98	24.89	27.12		27.13	0.000036	0.23	8.68	5.88	0.06
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP24H	2.92	24.89	27.15		27.16	0.000074	0.33	8.86	5.94	0.09
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP24H	1.46	24.89	27.10		27.10	0.000020	0.17	8.56	5.85	0.05
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP36H	1.87	24.89	27.12		27.12	0.000032	0.22	8.67	5.88	0.06
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP36H	0.99	24.89	27.08		27.08	0.000010	0.12	8.42	5.80	0.03
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP01H	5.39	24.89	27.25		27.27	0.000212	0.57	9.44	6.11	0.15
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP01H	5.94	24.89	27.29		27.31	0.000239	0.61	9.72	6.19	0.16
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP03H	1.97	24.89	27.05		27.06	0.000040	0.24	8.29	5.76	0.06
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP03H	6.01	24.89	27.27		27.29	0.000254	0.63	9.59	6.15	0.16
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP06H	5.94	24.89	27.26		27.28	0.000255	0.63	9.48	6.12	0.16
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP06H	4.65	24.89	27.20		27.21	0.000172	0.51	9.15	6.02	0.13
Sammontana	Sammontana 1	22	Max WS	IC TR030 TP09H	4.13	24.89	27.18		27.19	0.000142	0.46	9.00	5.98	0.12
Sammontana	Sammontana 1	22	Max WS	IC TR200 TP09H	5.64	24.89	27.24		27.26	0.000236	0.60	9.38	6.09	0.15
Sammontana	Sammontana 1	21.99			Lat Struct									
Sammontana	Sammontana 1	21.98			Lat Struct									
Sammontana	Sammontana 1	21	Max WS	IC TR200 TP18H	3.44									

River	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
Sammontana	Sammontana 1	20.667	Max WS	IC TR030 TP09H	4.19	24.95	27.15		27.17	0.000352	0.63	6.69	5.44	0.18
Sammontana	Sammontana 1	20.667	Max WS	IC TR200 TP09H	5.74	24.95	27.20		27.23	0.000600	0.83	6.94	5.54	0.24
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP18H	3.48	24.94	27.15		27.16	0.000218	0.50	6.98	5.73	0.14
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP18H	2.00	24.94	27.12		27.12	0.000078	0.29	6.79	5.73	0.09
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP24H	2.95	24.94	27.14		27.15	0.000161	0.43	6.91	5.73	0.12
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP24H	1.48	24.94	27.10		27.10	0.000044	0.22	6.69	5.71	0.07
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP36H	1.89	24.94	27.11		27.12	0.000070	0.28	6.77	5.73	0.08
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP36H	0.99	24.94	27.08		27.08	0.000021	0.15	6.56	5.67	0.04
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP01H	5.86	24.94	27.19		27.22	0.000565	0.81	7.20	5.73	0.23
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP01H	6.62	24.94	27.22		27.26	0.000673	0.90	7.38	5.73	0.25
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP03H	2.00	24.94	27.05		27.05	0.000093	0.31	6.39	5.60	0.09
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP03H	6.38	24.94	27.20		27.24	0.000645	0.87	7.30	5.73	0.25
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP06H	6.14	24.94	27.19		27.23	0.000613	0.85	7.23	5.73	0.24
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP06H	4.78	24.94	27.16		27.18	0.000403	0.68	7.04	5.73	0.20
Sammontana	Sammontana 1	20.333	Max WS	IC TR030 TP09H	4.22	24.94	27.14		27.16	0.000326	0.61	6.95	5.73	0.18
Sammontana	Sammontana 1	20.333	Max WS	IC TR200 TP09H	5.76	24.94	27.18		27.22	0.000554	0.80	7.17	5.73	0.23
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP18H	2.93	24.92	27.15		27.16	0.000124	0.39	7.55	5.71	0.11
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP18H	1.70	24.92	27.12		27.12	0.000045	0.23	7.35	5.71	0.07
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP24H	2.48	24.92	27.14		27.14	0.000092	0.33	7.47	5.71	0.09
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP24H	1.27	24.92	27.10		27.10	0.000026	0.18	7.25	5.71	0.05
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP36H	1.59	24.92	27.11		27.12	0.000040	0.22	7.33	5.71	0.06
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP36H	0.90	24.92	27.08		27.08	0.000014	0.13	7.12	5.71	0.04
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP01H	5.32	24.92	27.19		27.21	0.000381	0.69	7.75	5.71	0.19
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP01H	6.03	24.92	27.22		27.25	0.000459	0.76	7.92	5.71	0.21
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP03H	2.05	24.92	27.04		27.05	0.000078	0.30	6.93	5.71	0.09
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP03H	5.69	24.92	27.20		27.23	0.000421	0.73	7.85	5.71	0.20
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP06H	5.41	24.92	27.19		27.22	0.000389	0.69	7.79	5.71	0.19
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP06H	4.22	24.92	27.16		27.18	0.000254	0.56	7.60	5.71	0.15
Sammontana	Sammontana 1	20	Max WS	IC TR030 TP09H	3.75	24.92	27.14		27.16	0.000207	0.50	7.51	5.71	0.14
Sammontana	Sammontana 1	20	Max WS	IC TR200 TP09H	4.79	24.92	27.18		27.20	0.000311	0.62	7.74	5.71	0.17
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP18H	2.11	24.90	27.15		27.16	0.000070	0.29	7.31	5.45	0.08
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP18H	1.10	24.90	27.12		27.12	0.000020	0.15	7.10	5.45	0.04
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP24H	1.74	24.90	27.14		27.14	0.000049	0.24	7.23	5.45	0.07
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP24H	0.76	24.90	27.10		27.10	0.000010	0.11	7.00	5.45	0.03
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP36H	0.99	24.90	27.12		27.12	0.000017	0.14	7.09	5.45	0.04
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP36H	0.50	24.90	27.08		27.08	0.000005	0.07	6.88	5.45	0.02
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP01H	4.51	24.90	27.19		27.21	0.000298	0.60	7.49	5.45	0.16
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP01H	5.15	24.90	27.22		27.24	0.000365	0.67	7.65	5.45	0.18
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP03H	1.77	24.90	27.04		27.05	0.000064	0.26	6.70	5.45	0.08
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP03H	4.75	24.90	27.21		27.23	0.000317	0.63	7.59	5.45	0.17
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP06H	4.44	24.90	27.20		27.22	0.000283	0.59	7.54	5.45	0.16
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP06H	3.40	24.90	27.16		27.17	0.000179	0.46	7.35	5.45	0.13
Sammontana	Sammontana 1	19.667	Max WS	IC TR030 TP09H	3.01	24.90	27.15		27.16	0.000145	0.41	7.26	5.45	0.11
Sammontana	Sammontana 1	19.667	Max WS	IC TR200 TP09H	3.79	24.90	27.19		27.20	0.000210	0.51	7.50	5.45	0.14
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP18H	1.44	24.87	27.16		27.16	0.000036	0.20	7.04	5.18	0.06
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP18H	0.58	24.87	27.12		27.12	0.000006	0.09	6.84	5.18	0.02
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP24H	1.12	24.87	27.14		27.14	0.000023	0.16	6.97	5.18	0.04
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP24H	0.33	24.87	27.10		27.10	0.000002	0.05	6.74	5.18	0.01
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP36H	0.48	24.87	27.12		27.12	0.000004	0.07	6.83	5.18	0.02
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP36H	0.15	24.87	27.08		27.08	0.000000	0.02	6.62	5.18	0.01
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP01H	3.87	24.87	27.19		27.20	0.000243	0.54	7.21	5.18	0.15
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP01H	4.47	24.87	27.22		27.24	0.000305	0.61	7.36	5.18	0.16
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP03H	1.56	24.87	27.04		27.05	0.000054	0.24	6.45	5.18	0.07
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP03H	3.97	24.87	27.21		27.23	0.000244	0.54	7.31	5.18	0.15
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP06H	2.95	24.87	27.20		27.21	0.000137	0.41	7.28	5.18	0.11
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP06H	2.73	24.87	27.17		27.17	0.000127	0.39	7.08	5.18	0.11
Sammontana	Sammontana 1	19.333	Max WS	IC TR030 TP09H	2.39	24.87	27.15		27.15	0.000101	0.34	7.00	5.18	0.09
Sammontana	Sammontana 1	19.333	Max WS	IC TR200 TP09H	2.95	24.87	27.19		27.20	0.000140	0.41	7.23	5.18	0.11
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP18H	0.93	24.85	27.16		27.16	0.000017	0.14	6.75	4.92	0.04
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP18H	0.22	24.85	27.12		27.12	0.000001	0.03	6.56	4.92	0.01
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP24H	0.67	24.85	27.14		27.14	0.000009	0.10	6.68	4.92	0.03
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP24H	0.03	24.85	27.10		27.10	0.000000	0.00	6.46	4.92	0.00
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP36H	0.13	24.85	27.12		27.12	0.000000	0.02	6.54	4.92	0.01
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP36H	-0.07	24.85	27.08		27.08	0.000000	-0.01	6.34	4.92	0.00
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP01H	3.42	24.85	27.19		27.20	0.000214	0.50	6.90	4.92	0.13
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP01H	3.99	24.85	27.22		27.23	0.000274	0.57	7.04	4.92	0.15
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP03H	1.45	24.85	27.04		27.04	0.000053	0.24	6.18	4.92	0.07
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP03H	3.36	24.85	27.21		27.22	0.000198	0.48	7.01	4.92	0.13
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP06H	2.24	24.85	27.21		27.21	0.000088	0.32	6.98	4.92	0.09
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP06H	1.23	24.85	27.17		27.17	0.000095	0.33	6.79	4.92	0.09
Sammontana	Sammontana 1	19	Max WS	IC TR030 TP09H	2.94	24.85	27.15		27.15	0.000075	0.29	6.71	4.92	0.08
Sammontana	Sammontana 1	19	Max WS	IC TR200 TP09H	2.28	24.85	27.20		27.20	0.000094	0.33	6.94	4.92	0.09
Sammontana	Sammontana 1	18	Max WS	IC TR200 TP18H	0.93	24.73	27.16	24.99	27.16	0.000006	0.09	9.78	4.46	0.02
Sammontana	Sammontana 1	18	Max WS	IC TR030 TP18H	0.22	24.73	27.12	24.83	27.12	0.000000	0.02	9.60	4.46	0.01
Sammontana	Sammontana 1	18	Max WS	IC TR200 TP24H	0.67	24.73	27.14							

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	16.98												
					Lat Struct									
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP18H	0.41	24.56	27.16		27.16	0.000002	0.05	8.92	6.15	0.01
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP18H	-0.35	24.56	27.12		27.12	0.000001	-0.04	8.68	5.98	0.01
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP24H	0.16	24.56	27.14		27.14	0.000000	0.02	8.83	6.09	0.00
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP24H	-0.55	24.56	27.10		27.10	0.000003	-0.06	8.56	5.90	0.02
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP36H	-0.40	24.56	27.12		27.12	0.000002	-0.05	8.66	5.97	0.01
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP36H	-0.64	24.56	27.08		27.08	0.000004	-0.08	8.42	5.80	0.02
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP01H	2.94	24.56	27.19		27.20	0.000078	0.32	9.12	6.28	0.09
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP01H	3.58	24.56	27.22		27.23	0.000110	0.38	9.30	6.41	0.10
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP03H	0.88	24.56	27.04		27.04	0.000009	0.11	8.24	5.67	0.03
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP03H	3.08	24.56	27.21		27.22	0.000082	0.33	9.25	6.37	0.09
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP06H	1.78	24.56	27.21		27.21	0.000028	0.19	9.22	6.35	0.05
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP06H	1.75	24.56	27.17		27.17	0.000028	0.19	8.98	6.19	0.05
Sammontana	Sammontana 1	16.8	Max WS	IC_TR030_TP09H	1.41	24.56	27.15		27.15	0.000019	0.16	8.87	6.12	0.04
Sammontana	Sammontana 1	16.8	Max WS	IC_TR200_TP09H	1.81	24.56	27.20		27.20	0.000029	0.20	9.16	6.31	0.05
					Lat Struct									
Sammontana	Sammontana 1	16.78												
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	8.21	6.57	0.01
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP18H	-0.35	25.00	27.12		27.12	0.000002	-0.04	7.94	6.46	0.01
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	8.11	6.53	0.01
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.82	6.41	0.02
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.93	6.46	0.01
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.08	7.67	6.35	0.02
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP01H	2.94	25.00	27.19		27.19	0.000092	0.35	8.40	6.64	0.10
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP01H	3.57	25.00	27.22		27.23	0.000129	0.42	8.59	6.71	0.12
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP03H	0.88	25.00	27.04		27.04	0.000011	0.12	7.46	6.27	0.03
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP03H	3.07	25.00	27.21		27.22	0.000097	0.36	8.54	6.70	0.10
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP06H	1.77	25.00	27.21		27.21	0.000032	0.21	8.52	6.69	0.06
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP06H	1.75	25.00	27.17		27.17	0.000034	0.21	8.26	6.59	0.06
Sammontana	Sammontana 1	16	Max WS	IC_TR030_TP09H	1.41	25.00	27.15		27.15	0.000023	0.17	8.15	6.55	0.05
Sammontana	Sammontana 1	16	Max WS	IC_TR200_TP09H	1.81	25.00	27.20		27.20	0.000034	0.21	8.46	6.67	0.06
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	8.19	6.55	0.01
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP18H	-0.35	25.00	27.12		27.12	0.000002	-0.04	7.92	6.45	0.01
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	8.09	6.51	0.01
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.80	6.40	0.02
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.91	6.44	0.01
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.08	7.65	6.34	0.02
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP01H	2.94	25.00	27.19		27.19	0.000093	0.35	8.36	6.62	0.10
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP01H	3.57	25.00	27.21		27.22	0.000130	0.42	8.54	6.69	0.12
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP03H	0.88	25.00	27.04		27.04	0.000011	0.12	7.44	6.25	0.03
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP03H	3.07	25.00	27.21		27.21	0.000097	0.36	8.50	6.67	0.10
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP06H	1.75	25.00	27.21		27.21	0.000032	0.21	8.49	6.67	0.06
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP06H	1.75	25.00	27.17		27.17	0.000034	0.21	8.24	6.57	0.06
Sammontana	Sammontana 1	15.833	Max WS	IC_TR030_TP09H	1.41	25.00	27.15		27.15	0.000023	0.17	8.13	6.53	0.05
Sammontana	Sammontana 1	15.833	Max WS	IC_TR200_TP09H	1.80	25.00	27.20		27.20	0.000034	0.21	8.43	6.65	0.06
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	8.16	6.53	0.01
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP18H	-0.35	25.00	27.12		27.12	0.000002	-0.04	7.90	6.43	0.01
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	8.06	6.49	0.01
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.78	6.38	0.02
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.88	6.42	0.01
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.08	7.63	6.32	0.02
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP01H	2.94	25.00	27.18		27.19	0.000094	0.35	8.32	6.59	0.10
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP01H	3.57	25.00	27.21		27.22	0.000132	0.42	8.49	6.66	0.12
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP03H	0.88	25.00	27.04		27.04	0.000011	0.12	7.42	6.24	0.03
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP03H	3.05	25.00	27.20		27.21	0.000098	0.36	8.46	6.65	0.10
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP06H	1.70	25.00	27.21		27.21	0.000030	0.20	8.46	6.65	0.06
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP06H	1.75	25.00	27.17		27.17	0.000035	0.21	8.20	6.55	0.06
Sammontana	Sammontana 1	15.667	Max WS	IC_TR030_TP09H	1.41	25.00	27.15		27.15	0.000023	0.17	8.10	6.51	0.05
Sammontana	Sammontana 1	15.667	Max WS	IC_TR200_TP09H	1.80	25.00	27.20		27.20	0.000034	0.21	8.40	6.63	0.06
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	8.14	6.52	0.01
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP18H	-0.35	25.00	27.12		27.12	0.000002	-0.05	7.88	6.41	0.01
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	8.04	6.48	0.01
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.76	6.37	0.02
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.86	6.41	0.01
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.09	7.61	6.31	0.02
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP01H	2.93	25.00	27.18		27.19	0.000095	0.35	8.28	6.57	0.10
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP01H	3.57	25.00	27.21		27.22	0.000134	0.42	8.45	6.64	0.12
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP03H	0.88	25.00	27.04		27.04	0.000012	0.12	7.40	6.22	0.03
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP03H	3.05	25.00	27.20		27.21	0.000098	0.36	8.42	6.63	0.10
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP06H	1.66	25.00	27.20		27.21	0.000029	0.20	8.44	6.63	0.06
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP06H	1.75	25.00	27.17		27.17	0.000035	0.21	8.18	6.53	0.06
Sammontana	Sammontana 1	15.500	Max WS	IC_TR030_TP09H	1.41	25.00	27.15		27.15	0.000023	0.17	8.07	6.49	0.05
Sammontana	Sammontana 1	15.500	Max WS	IC_TR200_TP09H	1.79	25.00	27.19		27.20	0.000035	0.21	8.37	6.61	0.06
Sammontana	Sammontana 1	15.333	Max WS	IC_TR200_TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	8.12	6.50	0.01
Sammontana	Sammontana 1	15.333	Max WS	IC_TR030_TP18H	-0.35	25.00	27.12		27.12	0.000002	-0.05	7.86	6.40	0.01
Sammontana	Sammontana 1													

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.82	6.36	0.01
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	7.98	6.43	0.01
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.70	6.32	0.02
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.80	6.36	0.01
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.09	7.55	6.26	0.02
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP01H	2.92	25.00	27.17		27.18	0.000098	0.36	8.17	6.50	0.10
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP01H	3.56	25.00	27.19		27.20	0.000139	0.43	8.31	6.56	0.12
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000012	0.12	7.33	6.17	0.04
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP03H	3.02	25.00	27.19		27.20	0.000100	0.36	8.30	6.55	0.10
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP06H	1.60	25.00	27.20		27.20	0.000028	0.19	8.36	6.58	0.05
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP06H	1.75	25.00	27.16		27.16	0.000036	0.22	8.10	6.47	0.06
Sammontana	Sammontana 1	15	Max WS	IC TR030 TP09H	1.40	25.00	27.15		27.15	0.000024	0.18	8.00	6.44	0.05
Sammontana	Sammontana 1	15	Max WS	IC TR200 TP09H	1.77	25.00	27.19		27.19	0.000034	0.21	8.29	6.55	0.06
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	7.94	6.39	0.01
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.69	6.29	0.01
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	7.85	6.35	0.01
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.57	6.25	0.02
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.67	6.29	0.01
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP36H	-0.64	25.00	27.08		27.08	0.000006	-0.09	7.43	6.19	0.03
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP01H	2.91	25.00	27.17		27.18	0.000101	0.36	8.02	6.42	0.10
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP01H	3.56	25.00	27.19		27.20	0.000144	0.44	8.16	6.47	0.12
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000012	0.12	7.21	6.10	0.04
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP03H	3.02	25.00	27.19		27.20	0.000104	0.37	8.16	6.47	0.11
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP06H	1.58	25.00	27.20		27.20	0.000028	0.19	8.22	6.50	0.05
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP06H	1.75	25.00	27.16		27.16	0.000037	0.22	7.96	6.40	0.06
Sammontana	Sammontana 1	14.800	Max WS	IC TR030 TP09H	1.40	25.00	27.15		27.15	0.000025	0.18	7.86	6.36	0.05
Sammontana	Sammontana 1	14.800	Max WS	IC TR200 TP09H	1.77	25.00	27.19		27.19	0.000036	0.22	8.15	6.47	0.06
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	7.83	6.31	0.02
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.58	6.21	0.01
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	7.73	6.27	0.01
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.46	6.16	0.02
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.56	6.20	0.02
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP36H	-0.65	25.00	27.08		27.08	0.000006	-0.09	7.32	6.11	0.03
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP01H	2.91	25.00	27.17		27.18	0.000104	0.37	7.89	6.33	0.11
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP01H	3.55	25.00	27.19		27.20	0.000149	0.44	8.02	6.38	0.13
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000013	0.12	7.10	6.02	0.04
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP03H	3.01	25.00	27.19		27.20	0.000107	0.37	8.02	6.38	0.11
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP06H	1.58	25.00	27.20		27.20	0.000029	0.20	8.10	6.41	0.06
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP06H	1.75	25.00	27.16		27.16	0.000038	0.22	7.84	6.31	0.06
Sammontana	Sammontana 1	14.600	Max WS	IC TR030 TP09H	1.40	25.00	27.15		27.15	0.000026	0.18	7.74	6.27	0.05
Sammontana	Sammontana 1	14.600	Max WS	IC TR200 TP09H	1.76	25.00	27.19		27.19	0.000037	0.22	8.03	6.38	0.06
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	7.72	6.21	0.02
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.48	6.12	0.01
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	7.63	6.18	0.01
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000004	-0.07	7.36	6.07	0.02
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.46	6.11	0.02
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP36H	-0.64	25.00	27.08		27.08	0.000006	-0.09	7.22	6.02	0.03
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP01H	2.90	25.00	27.17		27.17	0.000108	0.37	7.78	6.23	0.11
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP01H	3.55	25.00	27.19		27.20	0.000155	0.45	7.90	6.28	0.13
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000013	0.13	7.01	5.93	0.04
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP03H	3.00	25.00	27.19		27.20	0.000110	0.38	7.91	6.28	0.11
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP06H	1.58	25.00	27.20		27.20	0.000030	0.20	7.99	6.31	0.06
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP06H	1.74	25.00	27.16		27.16	0.000040	0.23	7.73	6.21	0.06
Sammontana	Sammontana 1	14.400	Max WS	IC TR030 TP09H	1.40	25.00	27.15		27.15	0.000026	0.18	7.64	6.18	0.05
Sammontana	Sammontana 1	14.400	Max WS	IC TR200 TP09H	1.75	25.00	27.19		27.19	0.000037	0.22	7.92	6.29	0.06
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP18H	0.41	25.00	27.16		27.16	0.000002	0.05	7.63	6.11	0.02
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.39	6.02	0.01
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP24H	0.16	25.00	27.14		27.14	0.000000	0.02	7.54	6.08	0.01
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000005	-0.08	7.28	5.97	0.02
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.38	6.01	0.02
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP36H	-0.64	25.00	27.08		27.08	0.000007	-0.09	7.14	5.92	0.03
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP01H	2.90	25.00	27.17		27.17	0.000111	0.38	7.67	6.13	0.11
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP01H	3.55	25.00	27.18		27.19	0.000160	0.46	7.79	6.16	0.13
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000013	0.13	6.92	5.83	0.04
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP03H	3.00	25.00	27.19		27.19	0.000114	0.38	7.80	6.16	0.11
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP06H	1.61	25.00	27.20		27.20	0.000032	0.20	7.88	6.18	0.06
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP06H	1.74	25.00	27.16		27.16	0.000041	0.23	7.63	6.11	0.07
Sammontana	Sammontana 1	14.200	Max WS	IC TR030 TP09H	1.40	25.00	27.15		27.15	0.000027	0.19	7.55	6.08	0.05
Sammontana	Sammontana 1	14.200	Max WS	IC TR200 TP09H	1.76	25.00	27.19		27.19	0.000039	0.22	7.82	6.16	0.06
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP18H	0.36	25.00	27.16		27.16	0.000002	0.05	7.55	5.93	0.01
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP18H	-0.36	25.00	27.12		27.12	0.000002	-0.05	7.32	5.89	0.01
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP24H	0.13	25.00	27.14		27.14	0.000000	0.02	7.46	5.92	0.00
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP24H	-0.55	25.00	27.10		27.10	0.000005	-0.08	7.21	5.87	0.02
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP36H	-0.40	25.00	27.12		27.12	0.000002	-0.05	7.30	5.89	0.02
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP36H	-0.64	25.00	27.08		27.08	0.000007	-0.09	7.07	5.82	0.03
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP01H	2.83	25.00	27.16		27.17	0.000109	0.37	7.58	5.94	0.11
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP01H	3.42	25.00	27.18		27.19	0.000154	0.45	7.69	5.96	0.13
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP03H	0.88	25.00	27.04		27.04	0.000014	0.13	6.86	5.73	0.04
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP03H	2.86	25.00	27.19		27.19	0.000107	0.37	7.71	5.96	0.10
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP06H	1.87	25.00	27.20		27.20	0.000044	0.24	7.78	5.97	0.07
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP06H	1.69	25.00	27.16		27.16	0.000039	0.22	7.55	5.93	0.06
Sammontana	Sammontana 1	14	Max WS	IC TR030 TP09H	1.37	25.00	27.14		27.15	0.000027	0.18	7.47	5.92	0.05
Sammontana	Sammontana 1	14	Max WS	IC TR200 TP09H	1.91	25.00	27.19		27.19	0.000047	0.25	7.72	5.96	0.07
Sammontana	Sammontana 1													

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	13.750	Max WS	IC_TR200_TP01H	3.22	24.98	27.17		27.18	0.000156	0.44	7.31	5.79	0.12
Sammontana	Sammontana 1	13.750	Max WS	IC_TR030_TP03H	0.88	24.98	27.04		27.04	0.000016	0.13	6.55	5.49	0.04
Sammontana	Sammontana 1	13.750	Max WS	IC_TR200_TP03H	2.61	24.98	27.18		27.19	0.000101	0.35	7.35	5.80	0.10
Sammontana	Sammontana 1	13.750	Max WS	IC_TR200_TP06H	2.42	24.98	27.19		27.19	0.000085	0.33	7.40	5.82	0.09
Sammontana	Sammontana 1	13.750	Max WS	IC_TR030_TP06H	1.61	24.98	27.16		27.16	0.000040	0.22	7.21	5.75	0.06
Sammontana	Sammontana 1	13.750	Max WS	IC_TR030_TP09H	1.33	24.98	27.14		27.15	0.000029	0.19	7.14	5.72	0.05
Sammontana	Sammontana 1	13.750	Max WS	IC_TR200_TP09H	2.13	24.98	27.18		27.19	0.000067	0.29	7.36	5.81	0.08
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP18H	0.28	24.97	27.16		27.16	0.000001	0.04	7.07	5.64	0.01
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP18H	-0.36	24.97	27.12		27.12	0.000002	-0.05	6.85	5.55	0.02
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP24H	0.09	24.97	27.14		27.14	0.000000	0.01	6.99	5.61	0.00
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP24H	-0.55	24.97	27.10		27.10	0.000006	-0.08	6.75	5.51	0.02
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP36H	-0.40	24.97	27.12		27.12	0.000003	-0.06	6.84	5.55	0.02
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP36H	-0.65	24.97	27.08		27.08	0.000008	-0.10	6.62	5.46	0.03
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP01H	2.69	24.97	27.15		27.16	0.000121	0.38	7.04	5.63	0.11
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP01H	3.19	24.97	27.17		27.18	0.000164	0.45	7.13	5.66	0.13
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP03H	0.88	24.97	27.04		27.04	0.000016	0.14	6.41	5.37	0.04
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP03H	2.57	24.97	27.18		27.18	0.000104	0.36	7.17	5.68	0.10
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP06H	2.42	24.97	27.19		27.19	0.000091	0.33	7.22	5.70	0.09
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP06H	1.60	24.97	27.16		27.16	0.000043	0.23	7.05	5.63	0.06
Sammontana	Sammontana 1	13.625	Max WS	IC_TR030_TP09H	1.33	24.97	27.14		27.14	0.000030	0.19	6.98	5.60	0.05
Sammontana	Sammontana 1	13.625	Max WS	IC_TR200_TP09H	2.13	24.97	27.18		27.18	0.000071	0.30	7.19	5.68	0.08
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP18H	0.28	24.96	27.16		27.16	0.000001	0.04	6.92	5.52	0.01
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP18H	-0.36	24.96	27.12		27.12	0.000003	-0.05	6.70	5.44	0.02
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP24H	0.09	24.96	27.14		27.14	0.000000	0.01	6.84	5.49	0.00
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP24H	-0.55	24.96	27.10		27.10	0.000006	-0.08	6.60	5.40	0.02
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP36H	-0.40	24.96	27.12		27.12	0.000003	-0.06	6.69	5.43	0.02
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP36H	-0.65	24.96	27.08		27.08	0.000009	-0.10	6.48	5.35	0.03
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP01H	2.67	24.96	27.15		27.16	0.000127	0.39	6.87	5.51	0.11
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP01H	3.16	24.96	27.16		27.17	0.000172	0.46	6.94	5.53	0.13
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP03H	0.88	24.96	27.04		27.04	0.000017	0.14	6.27	5.26	0.04
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP03H	2.51	24.96	27.17		27.18	0.000106	0.36	7.00	5.54	0.10
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP06H	2.37	24.96	27.18		27.19	0.000092	0.34	7.05	5.55	0.10
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP06H	1.60	24.96	27.15		27.16	0.000045	0.23	6.89	5.51	0.07
Sammontana	Sammontana 1	13.500	Max WS	IC_TR030_TP09H	1.32	24.96	27.14		27.14	0.000032	0.19	6.82	5.49	0.06
Sammontana	Sammontana 1	13.500	Max WS	IC_TR200_TP09H	2.10	24.96	27.18		27.18	0.000074	0.30	7.02	5.55	0.08
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP18H	0.12	24.95	27.16		27.16	0.000000	0.02	6.76	5.37	0.01
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP18H	-0.37	24.95	27.12		27.12	0.000003	-0.06	6.55	5.33	0.02
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP24H	0.03	24.95	27.14		27.14	0.000000	0.00	6.69	5.36	0.00
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP24H	-0.55	24.95	27.10		27.10	0.000006	-0.09	6.46	5.29	0.02
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP36H	-0.40	24.95	27.12		27.12	0.000003	-0.06	6.54	5.33	0.02
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP36H	-0.65	24.95	27.08		27.08	0.000009	-0.10	6.34	5.24	0.03
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP01H	2.56	24.95	27.15		27.15	0.000124	0.38	6.70	5.36	0.11
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP01H	2.95	24.95	27.16		27.17	0.000160	0.44	6.77	5.38	0.12
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP03H	0.88	24.95	27.04		27.04	0.000019	0.14	6.12	5.16	0.04
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP03H	2.18	24.95	27.17		27.18	0.000085	0.32	6.84	5.39	0.09
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP06H	1.97	24.95	27.18		27.19	0.000068	0.29	6.90	5.40	0.08
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP06H	1.48	24.95	27.15		27.16	0.000041	0.22	6.73	5.37	0.06
Sammontana	Sammontana 1	13.375	Max WS	IC_TR030_TP09H	1.27	24.95	27.14		27.14	0.000031	0.19	6.67	5.36	0.05
Sammontana	Sammontana 1	13.375	Max WS	IC_TR200_TP09H	1.78	24.95	27.18		27.18	0.000056	0.26	6.86	5.39	0.07
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP18H	-0.49	24.94	27.16		27.16	0.000005	-0.07	6.61	5.23	0.02
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP18H	-0.54	24.94	27.12		27.12	0.000006	-0.08	6.41	5.19	0.02
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP24H	-0.40	24.94	27.14		27.14	0.000003	-0.06	6.54	5.21	0.02
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP24H	-0.60	24.94	27.10		27.10	0.000008	-0.10	6.32	5.17	0.03
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP36H	-0.55	24.94	27.12		27.12	0.000007	-0.09	6.40	5.18	0.02
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP36H	-0.65	24.94	27.08		27.08	0.000010	-0.10	6.20	5.14	0.03
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP01H	2.09	24.94	27.15		27.15	0.000087	0.32	6.56	5.22	0.09
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP01H	2.29	24.94	27.16		27.17	0.000102	0.35	6.63	5.23	0.10
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP03H	0.88	24.94	27.04		27.04	0.000020	0.15	5.99	5.06	0.04
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP03H	1.36	24.94	27.18		27.18	0.000035	0.20	6.71	5.25	0.06
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP06H	0.95	24.94	27.19		27.19	0.000016	0.14	6.77	5.26	0.04
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP06H	0.93	24.94	27.15		27.16	0.000017	0.14	6.59	5.22	0.04
Sammontana	Sammontana 1	13.250	Max WS	IC_TR030_TP09H	0.89	24.94	27.14		27.14	0.000016	0.14	6.52	5.21	0.04
Sammontana	Sammontana 1	13.250	Max WS	IC_TR200_TP09H	0.90	24.94	27.18		27.18	0.000015	0.13	6.73	5.25	0.04
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP18H	-1.58	24.93	27.15		27.16	0.000028	-0.25	6.44	5.08	0.07
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP18H	-1.06	24.93	27.12		27.12	0.000026	-0.17	6.26	5.04	0.05
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP24H	-1.26	24.93	27.14		27.14	0.000034	-0.20	6.38	5.07	0.06
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP24H	-0.92	24.93	27.10		27.10	0.000020	-0.15	6.17	5.03	0.04
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP36H	-1.05	24.93	27.12		27.12	0.000025	-0.17	6.25	5.04	0.05
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP36H	-0.76	24.93	27.08		27.08	0.000014	-0.13	6.06	5.01	0.04
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP01H	1.12	24.93	27.15		27.15	0.000026	0.17	6.43	5.08	0.05
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP01H	1.10	24.93	27.17		27.17	0.000024	0.17	6.51	5.09	0.05
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP03H	0.88	24.93	27.04		27.04	0.000021	0.15	5.85	4.96	0.04
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP03H	-0.05	24.93	27.18		27.18	0.000000	-0.01	6.58	5.11	0.00
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP06H	-0.71	24.93	27.19		27.19	0.000010	-0.11	6.62	5.11	0.03
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP06H	-0.13	24.93	27.16		27.16	0.000000	-0.02	6.45	5.08	0.01
Sammontana	Sammontana 1	13.125	Max WS	IC_TR030_TP09H	0.04	24.93	27.14		27.14	0.000000	0.01	6.38	5.07	0.00
Sammontana	Sammontana 1	13.125	Max WS	IC_TR200_TP09H	-0.61	24.93	27.18		27.18	0.000007	-0.09	6.58	5.11	0.03
Sammontana	Sammontana 1	13	Max WS	IC_TR200_TP18H	-3.17	24.92	27.14		27.16	0.000228	-0.51	6.24	4.93	0.14
Sammontana	Sammontana 1	13	Max WS	IC_TR030_TP18H	-2.07	24.92	27.11		27.12	0.000104	-0.34	6.09	4.90	0.10
Sammontana	Sammontana 1	13	Max WS	IC_TR200_TP24H	-2.63	24.92	27.13		27.14	0.000161	-0.43	6.19	4.92	0.12
Sammontana	Sammontana 1	13	Max WS	IC_TR030_TP24H	-1.68	24.92	27.10		27.10	0.000071	-0.28	6.02	4.89	0.08
Sammontana	Sammontana 1	13	Max WS	IC_TR200_TP36H	-2.02	24.92	27.11		27.12	0.000100	-0.33	6.08	4.90	0.10
Sammontana	Sammontana 1	13	Max WS	IC_TR030_TP36H	-1.23	24.92	27.08							

River	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
Sammontana	Sammontana 1	12.500	Max WS	IC_TR200_TP09H	-3.85	24.93	27.16		27.18	0.000323	-0.61	6.36	5.13	0.17
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP18H	-3.95	24.93	27.15		27.17	0.000334	-0.62	6.42	5.20	0.18
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP18H	-2.52	24.93	27.12		27.13	0.000146	-0.40	6.24	5.13	0.12
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP24H	-3.28	24.93	27.14		27.15	0.000236	-0.52	6.36	5.18	0.15
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP24H	-2.00	24.93	27.10		27.11	0.000095	-0.32	6.16	5.10	0.09
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP36H	-2.45	24.93	27.11		27.12	0.000139	-0.39	6.23	5.13	0.11
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP36H	-1.41	24.93	27.08		27.08	0.000050	-0.23	6.05	5.05	0.07
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP01H	-1.43	24.93	27.15		27.16	0.000044	-0.22	6.43	5.21	0.06
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP01H	-2.02	24.93	27.17		27.17	0.000084	-0.31	6.51	5.24	0.09
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP03H	0.77	24.93	27.04		27.04	0.000016	0.13	5.83	4.96	0.04
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP03H	-3.31	24.93	27.17		27.19	0.000224	-0.51	6.53	5.25	0.15
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP06H	-4.19	24.93	27.18		27.20	0.000355	-0.64	6.56	5.26	0.18
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP06H	-2.68	24.93	27.15		27.16	0.000154	-0.42	6.42	5.20	0.12
Sammontana	Sammontana 1	12	Max WS	IC_TR030_TP09H	-2.14	24.93	27.14		27.14	0.000101	-0.34	6.36	5.18	0.10
Sammontana	Sammontana 1	12	Max WS	IC_TR200_TP09H	-3.87	24.93	27.17		27.19	0.000306	-0.59	6.53	5.24	0.17
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP18H	-3.95	24.92	27.16		27.18	0.000319	-0.61	6.53	5.27	0.17
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP18H	-2.52	24.92	27.12		27.13	0.000141	-0.40	6.32	5.19	0.12
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP24H	-3.28	24.92	27.15		27.16	0.000227	-0.51	6.45	5.24	0.15
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP24H	-2.00	24.92	27.10		27.11	0.000092	-0.32	6.22	5.15	0.09
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP36H	-2.45	24.92	27.12		27.13	0.000135	-0.39	6.31	5.18	0.11
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP36H	-1.41	24.92	27.08		27.08	0.000048	-0.23	6.11	5.10	0.07
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP01H	-1.44	24.92	27.15		27.16	0.000043	-0.22	6.49	5.25	0.06
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP01H	-2.03	24.92	27.17		27.18	0.000083	-0.31	6.57	5.29	0.09
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP03H	0.77	24.92	27.03		27.04	0.000016	0.13	5.87	5.00	0.04
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP03H	-3.39	24.92	27.18		27.19	0.000226	-0.51	6.62	5.31	0.15
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP06H	-4.19	24.92	27.19		27.21	0.000338	-0.63	6.67	5.33	0.18
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP06H	-2.69	24.92	27.16		27.16	0.000150	-0.41	6.49	5.26	0.12
Sammontana	Sammontana 1	11.833	Max WS	IC_TR030_TP09H	-2.14	24.92	27.14		27.15	0.000098	-0.33	6.42	5.23	0.10
Sammontana	Sammontana 1	11.833	Max WS	IC_TR200_TP09H	-3.87	24.92	27.18		27.20	0.000293	-0.58	6.63	5.31	0.17
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP18H	-3.95	24.90	27.17		27.19	0.000304	-0.59	6.65	5.34	0.17
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP18H	-2.52	24.90	27.13		27.14	0.000137	-0.39	6.40	5.24	0.11
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP24H	-3.31	24.90	27.16		27.17	0.000222	-0.51	6.55	5.30	0.15
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP24H	-2.00	24.90	27.11		27.11	0.000090	-0.32	6.29	5.20	0.09
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP36H	-2.45	24.90	27.12		27.13	0.000130	-0.38	6.38	5.23	0.11
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP36H	-1.41	24.90	27.08		27.09	0.000047	-0.23	6.17	5.14	0.07
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP01H	-1.45	24.90	27.16		27.16	0.000043	-0.22	6.55	5.30	0.06
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP01H	-2.04	24.90	27.17		27.18	0.000081	-0.31	6.64	5.34	0.09
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP03H	0.77	24.90	27.03		27.04	0.000016	0.13	5.92	5.04	0.04
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP03H	-3.43	24.90	27.19		27.20	0.000222	-0.51	6.72	5.37	0.15
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP06H	-4.19	24.90	27.20		27.22	0.000322	-0.62	6.80	5.40	0.18
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP06H	-2.69	24.90	27.16		27.17	0.000145	-0.41	6.58	5.31	0.12
Sammontana	Sammontana 1	11.667	Max WS	IC_TR030_TP09H	-2.15	24.90	27.15		27.15	0.000096	-0.33	6.50	5.28	0.10
Sammontana	Sammontana 1	11.667	Max WS	IC_TR200_TP09H	-3.87	24.90	27.19		27.21	0.000281	-0.57	6.75	5.38	0.16
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP18H	-3.95	24.89	27.19		27.20	0.000291	-0.58	6.77	5.40	0.17
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP18H	-2.52	24.89	27.13		27.14	0.000132	-0.39	6.48	5.29	0.11
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP24H	-3.31	24.89	27.16		27.18	0.000214	-0.50	6.65	5.36	0.14
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP24H	-2.00	24.89	27.11		27.12	0.000087	-0.31	6.37	5.24	0.09
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP36H	-2.45	24.89	27.13		27.14	0.000126	-0.38	6.47	5.28	0.11
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP36H	-1.41	24.89	27.08		27.09	0.000046	-0.23	6.23	5.19	0.07
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP01H	-1.50	24.89	27.16		27.16	0.000044	-0.23	6.62	5.35	0.06
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP01H	-2.04	24.89	27.18		27.18	0.000079	-0.30	6.72	5.39	0.09
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP03H	0.77	24.89	27.03		27.03	0.000015	0.13	5.97	5.08	0.04
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP03H	-3.46	24.89	27.20		27.21	0.000217	-0.51	6.83	5.43	0.14
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP06H	-4.19	24.89	27.21		27.23	0.000307	-0.61	6.92	5.46	0.17
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP06H	-2.70	24.89	27.17		27.18	0.000141	-0.40	6.66	5.36	0.12
Sammontana	Sammontana 1	11.500	Max WS	IC_TR030_TP09H	-2.15	24.89	27.15		27.16	0.000093	-0.33	6.57	5.33	0.09
Sammontana	Sammontana 1	11.500	Max WS	IC_TR200_TP09H	-3.87	24.89	27.20		27.22	0.000269	-0.56	6.86	5.44	0.16
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP18H	-3.95	24.88	27.20		27.21	0.000278	-0.57	6.89	5.47	0.16
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP18H	-2.52	24.88	27.14		27.14	0.000128	-0.38	6.57	5.34	0.11
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP24H	-3.31	24.88	27.17		27.18	0.000205	-0.49	6.75	5.41	0.14
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP24H	-1.99	24.88	27.11		27.12	0.000084	-0.31	6.44	5.29	0.09
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP36H	-2.45	24.88	27.13		27.14	0.000122	-0.37	6.55	5.33	0.11
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP36H	-1.41	24.88	27.09		27.09	0.000045	-0.22	6.30	5.23	0.07
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP01H	-1.50	24.88	27.16		27.16	0.000043	-0.22	6.69	5.39	0.06
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP01H	-2.05	24.88	27.18		27.18	0.000077	-0.30	6.80	5.43	0.09
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP03H	0.77	24.88	27.03		27.03	0.000015	0.13	6.03	5.12	0.04
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP03H	-3.47	24.88	27.20		27.22	0.000209	-0.50	6.94	5.49	0.14
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP06H	-4.19	24.88	27.23		27.24	0.000293	-0.59	7.05	5.53	0.17
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP06H	-2.70	24.88	27.17		27.18	0.000136	-0.40	6.76	5.42	0.11
Sammontana	Sammontana 1	11.333	Max WS	IC_TR030_TP09H	-2.15	24.88	27.15		27.16	0.000090	-0.32	6.65	5.38	0.09
Sammontana	Sammontana 1	11.333	Max WS	IC_TR200_TP09H	-3.87	24.88	27.21		27.23	0.000258	-0.56	6.98	5.50	0.16
Sammontana	Sammontana 1	11.167	Max WS	IC_TR200_TP18H	-3.95	24.86	27.21		27.22	0.000265	-0.56	7.02	5.53	0.16
Sammontana	Sammontana 1	11.167	Max WS	IC_TR030_TP18H	-2.52	24.86	27.14		27.15	0.000124	-0.38	6.66	5.39	0.11
Sammontana	Sammontana 1	11.167	Max WS	IC_TR200_TP24H	-3.31	24.86	27.18		27.19	0.000197	-0.48	6.86	5.47	0.14
Sammontana	Sammontana 1	11.167												

HEC-RAS Profile: Max WS (Continued)

River	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
Sammontana	Sammontana 1	10.960	Max WS	IC_TR200_TP36H	-2.45	24.84	27.15		27.15	0.000097	-0.34	7.17	5.72	0.10
Sammontana	Sammontana 1	10.960	Max WS	IC_TR030_TP36H	-1.41	24.84	27.09		27.09	0.000036	-0.21	6.86	5.59	0.06
Sammontana	Sammontana 1	10.960	Max WS	IC_TR030_TP01H	-1.50	24.84	27.16		27.17	0.000035	-0.21	7.28	5.76	0.06
Sammontana	Sammontana 1	10.960	Max WS	IC_TR200_TP01H	-2.70	24.84	27.19		27.20	0.000106	-0.36	7.43	5.82	0.10
Sammontana	Sammontana 1	10.960	Max WS	IC_TR030_TP03H	0.77	24.84	27.03		27.03	0.000012	0.12	6.54	5.46	0.03
Sammontana	Sammontana 1	10.960	Max WS	IC_TR200_TP03H	-3.49	24.84	27.22		27.24	0.000166	-0.46	7.63	5.90	0.13
Sammontana	Sammontana 1	10.960	Max WS	IC_TR200_TP06H	-4.19	24.84	27.25		27.27	0.000225	-0.54	7.79	5.96	0.15
Sammontana	Sammontana 1	10.960	Max WS	IC_TR030_TP06H	-2.70	24.84	27.18		27.19	0.000108	-0.37	7.40	5.81	0.10
Sammontana	Sammontana 1	10.960	Max WS	IC_TR030_TP09H	-2.15	24.84	27.16		27.17	0.000072	-0.30	7.26	5.75	0.08
Sammontana	Sammontana 1	10.960	Max WS	IC_TR200_TP09H	-3.88	24.84	27.24		27.25	0.000200	-0.50	7.70	5.92	0.14
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP18H	-3.95	24.82	27.23		27.24	0.000179	-0.49	8.13	6.21	0.14
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP18H	-2.52	24.82	27.15		27.16	0.000085	-0.33	7.66	6.03	0.09
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP24H	-3.31	24.82	27.19		27.20	0.000135	-0.42	7.93	6.13	0.12
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP24H	-1.99	24.82	27.12		27.13	0.000057	-0.27	7.50	5.97	0.08
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP36H	-2.45	24.82	27.15		27.15	0.000082	-0.32	7.64	6.02	0.09
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP36H	-1.41	24.82	27.09		27.09	0.000030	-0.19	7.30	5.89	0.06
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP01H	-1.50	24.82	27.17		27.17	0.000029	-0.19	7.75	6.07	0.05
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP01H	-2.70	24.82	27.19		27.20	0.000090	-0.34	7.92	6.13	0.10
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP03H	0.77	24.82	27.03		27.03	0.000010	0.11	6.96	5.75	0.03
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP03H	-3.50	24.82	27.23		27.24	0.000140	-0.43	8.14	6.21	0.12
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP06H	-4.19	24.82	27.26		27.27	0.000189	-0.50	8.32	6.28	0.14
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP06H	-2.70	24.82	27.19		27.19	0.000091	-0.34	7.88	6.12	0.10
Sammontana	Sammontana 1	10.920	Max WS	IC_TR030_TP09H	-2.15	24.82	27.16		27.17	0.000061	-0.28	7.74	6.06	0.08
Sammontana	Sammontana 1	10.920	Max WS	IC_TR200_TP09H	-3.88	24.82	27.24		27.25	0.000168	-0.47	8.22	6.24	0.13
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP18H	-3.95	24.81	27.23		27.24	0.000151	-0.45	8.70	6.57	0.13
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP18H	-2.52	24.81	27.15		27.16	0.000072	-0.31	8.19	6.37	0.09
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP24H	-3.32	24.81	27.20		27.21	0.000114	-0.39	8.47	6.48	0.11
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP24H	-2.00	24.81	27.12		27.13	0.000048	-0.25	8.01	6.30	0.07
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP36H	-2.46	24.81	27.15		27.15	0.000069	-0.30	8.16	6.36	0.08
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP36H	-1.41	24.81	27.09		27.09	0.000026	-0.18	7.80	6.22	0.05
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP01H	-1.50	24.81	27.17		27.17	0.000025	-0.18	8.27	6.40	0.05
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP01H	-2.70	24.81	27.20		27.20	0.000076	-0.32	8.46	6.48	0.09
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP03H	0.77	24.81	27.03		27.03	0.000009	0.10	7.43	6.07	0.03
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP03H	-3.50	24.81	27.23		27.24	0.000118	-0.40	8.70	6.57	0.11
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP06H	-4.19	24.81	27.26		27.27	0.000159	-0.47	8.90	6.64	0.13
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP06H	-2.70	24.81	27.19		27.19	0.000077	-0.32	8.42	6.46	0.09
Sammontana	Sammontana 1	10.880	Max WS	IC_TR030_TP09H	-2.15	24.81	27.16		27.17	0.000051	-0.26	8.26	6.40	0.07
Sammontana	Sammontana 1	10.880	Max WS	IC_TR200_TP09H	-3.88	24.81	27.25		27.26	0.000142	-0.44	8.79	6.60	0.12
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP18H	-3.95	24.79	27.24		27.24	0.000127	-0.42	9.32	6.99	0.12
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP18H	-2.52	24.79	27.15		27.16	0.000061	-0.29	8.77	6.76	0.08
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP24H	-3.32	24.79	27.20		27.21	0.000096	-0.37	9.08	6.89	0.10
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP24H	-2.00	24.79	27.13		27.13	0.000040	-0.23	8.57	6.68	0.07
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP36H	-2.46	24.79	27.15		27.16	0.000058	-0.28	8.74	6.75	0.08
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP36H	-1.41	24.79	27.09		27.09	0.000022	-0.17	8.35	6.59	0.05
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP01H	-1.50	24.79	27.17		27.17	0.000021	-0.17	8.85	6.79	0.05
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP01H	-2.70	24.79	27.20		27.20	0.000064	-0.30	9.06	6.88	0.08
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP03H	0.77	24.79	27.03		27.03	0.000007	0.10	7.96	6.43	0.03
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP03H	-3.50	24.79	27.24		27.24	0.000100	-0.38	9.32	6.99	0.10
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP06H	-4.19	24.79	27.27		27.28	0.000134	-0.44	9.54	7.08	0.12
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP06H	-2.70	24.79	27.19		27.20	0.000065	-0.30	9.02	6.86	0.08
Sammontana	Sammontana 1	10.840	Max WS	IC_TR030_TP09H	-2.15	24.79	27.17		27.17	0.000043	-0.24	8.84	6.79	0.07
Sammontana	Sammontana 1	10.840	Max WS	IC_TR200_TP09H	-3.88	24.79	27.25		27.26	0.000119	-0.41	9.42	7.02	0.11
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP18H	-3.95	24.78	27.24		27.25	0.000108	-0.39	10.03	7.52	0.11
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP18H	-2.52	24.78	27.16		27.16	0.000051	-0.27	9.43	7.26	0.07
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP24H	-3.32	24.78	27.20		27.21	0.000081	-0.34	9.76	7.40	0.09
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP24H	-2.00	24.78	27.13		27.13	0.000034	-0.22	9.21	7.16	0.06
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP36H	-2.46	24.78	27.15		27.16	0.000049	-0.26	9.39	7.24	0.07
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP36H	-1.41	24.78	27.09		27.09	0.000018	-0.16	8.97	7.05	0.04
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP01H	-1.50	24.78	27.17		27.17	0.000018	-0.16	9.50	7.29	0.04
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP01H	-2.70	24.78	27.20		27.20	0.000054	-0.28	9.74	7.39	0.08
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP03H	0.76	24.78	27.03		27.03	0.000006	0.09	8.54	6.87	0.03
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP03H	-3.50	24.78	27.24		27.24	0.000085	-0.35	10.02	7.52	0.10
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP06H	-4.19	24.78	27.27		27.28	0.000114	-0.41	10.27	7.62	0.11
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP06H	-2.70	24.78	27.19		27.20	0.000055	-0.28	9.69	7.37	0.08
Sammontana	Sammontana 1	10.8	Max WS	IC_TR030_TP09H	-2.15	24.78	27.17		27.17	0.000037	-0.23	9.50	7.29	0.06
Sammontana	Sammontana 1	10.8	Max WS	IC_TR200_TP09H	-3.89	24.78	27.25		27.26	0.000101	-0.38	10.13	7.56	0.11
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP18H	0.74	42.22	42.76		42.85	0.015198	1.32	0.57	1.45	0.67
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP18H	0.42	42.22	42.63		42.69	0.013725	1.08	0.39	1.32	0.63
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP24H	0.58	42.22	42.70		42.77	0.014576	1.21	0.48	1.39	0.66
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP24H	0.40	42.22	42.62		42.68	0.013647	1.06	0.38	1.31	0.63
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP36H	0.40	42.22	42.62		42.68	0.013647	1.06	0.38	1.31	0.63
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP36H	0.40	42.22	42.62		42.68	0.013647	1.06	0.38	1.31	0.63
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP01H	6.23	42.22	43.67		44.01	0.025572	2.59	2.40	3.00	0.92
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP01H	8.86	42.22	43.82	43.84	44.30	0.031228	3.06	2.90	3.16	1.02
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP03H	0.42	42.22	42.63		42.69	0.013726	1.08	0.39	1.32	0.63
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP03H	4.02	42.22	43.43		43.69	0.022363	2.28	1.76	2.32	0.84
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP06H	2.33	42.22	43.15		43.34	0.019640	1.95	1.20	1.83	0.77
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP06H	1.52	42.22	42.98		43.12	0.017621	1.68	0.91	1.66	0.73
Rio Pratella	Pratella	41.47	Max WS	IC_TR030_TP09H	1.06	42.22	42.86		42.97	0.016232	1.48	0.71	1.55	0.70
Rio Pratella	Pratella	41.47	Max WS	IC_TR200_TP09H	1.67	42.22	43.01		43.17	0.018062	1.74	0.96	1.70	0.74
Rio Pratella	Pratella	41.466												
Rio Pratella	Pratella	41.465												
Rio Pratella	Pratella	41.46	Max WS	IC_TR200_TP18H	0.74	42.02	42.56		42.64	0.013729	1.23	0.60	1.75	0.67
Rio Pratella	Pratella	41.46	Max WS	IC_TR030_TP18H	0.42	42.02	42.45		42.50	0.012613	1.0			

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Pratella	Pratella	41.45	Max WS	IC_TR030_TP01H	5.01	41.82	42.91		43.16	0.020917	2.20	2.28	3.94	0.92
Rio Pratella	Pratella	41.45	Max WS	IC_TR200_TP01H	5.50	41.82	42.95		43.21	0.020672	2.26	2.44	3.94	0.92
Rio Pratella	Pratella	41.45	Max WS	IC_TR030_TP03H	0.42	41.82	42.27		42.32	0.013851	1.00	0.42	1.81	0.67
Rio Pratella	Pratella	41.45	Max WS	IC_TR200_TP03H	3.96	41.82	42.83		43.04	0.021223	2.04	1.94	3.94	0.93
Rio Pratella	Pratella	41.45	Max WS	IC_TR200_TP06H	2.33	41.82	42.71		42.83	0.012830	1.55	1.51	3.16	0.72
Rio Pratella	Pratella	41.45	Max WS	IC_TR030_TP06H	1.52	41.82	42.57		42.67	0.013203	1.40	1.09	2.72	0.71
Rio Pratella	Pratella	41.45	Max WS	IC_TR030_TP09H	1.06	41.82	42.47		42.55	0.013278	1.27	0.83	2.40	0.69
Rio Pratella	Pratella	41.45	Max WS	IC_TR200_TP09H	1.67	41.82	42.60		42.70	0.013113	1.43	1.17	2.81	0.71
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP18H	0.74	41.62	42.22		42.28	0.011220	1.08	0.69	2.28	0.63
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP18H	0.42	41.62	42.11		42.15	0.010233	0.90	0.46	1.85	0.58
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP24H	0.58	41.62	42.17		42.22	0.010940	1.00	0.58	2.10	0.61
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP24H	0.40	41.62	42.10		42.15	0.010190	0.89	0.45	1.82	0.58
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP36H	0.40	41.62	42.10		42.15	0.010190	0.89	0.45	1.82	0.58
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP36H	0.40	41.62	42.10		42.15	0.010190	0.89	0.45	1.82	0.58
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP01H	4.14	41.62	42.67		42.87	0.019970	2.00	2.07	4.13	0.91
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP01H	4.48	41.62	42.68		42.91	0.021192	2.10	2.13	4.13	0.93
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP03H	0.42	41.62	42.11		42.15	0.010232	0.90	0.46	1.85	0.58
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP03H	3.51	41.62	42.63		42.80	0.016355	1.83	1.92	3.79	0.82
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP06H	2.33	41.62	42.52		42.64	0.013844	1.54	1.52	3.49	0.74
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP06H	1.52	41.62	42.39		42.48	0.012815	1.37	1.11	2.81	0.70
Rio Pratella	Pratella	41.44	Max WS	IC_TR030_TP09H	1.06	41.62	42.30		42.37	0.011919	1.22	0.87	2.49	0.66
Rio Pratella	Pratella	41.44	Max WS	IC_TR200_TP09H	1.67	41.62	42.41		42.52	0.013163	1.41	1.18	2.95	0.71
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP18H	0.74	41.42	42.12		42.16	0.005612	0.82	0.90	2.68	0.45
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP18H	0.42	41.42	42.03		42.05	0.003647	0.61	0.68	2.25	0.36
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP24H	0.58	41.42	42.08		42.11	0.004622	0.72	0.80	2.49	0.41
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP24H	0.40	41.42	42.02		42.04	0.003544	0.60	0.67	2.22	0.35
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP36H	0.40	41.42	42.02		42.04	0.003544	0.60	0.67	2.22	0.35
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP36H	0.40	41.42	42.02		42.04	0.003544	0.60	0.67	2.22	0.35
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP01H	3.74	41.42	42.47		42.64	0.015427	1.80	2.08	4.15	0.81
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP01H	3.99	41.42	42.49		42.66	0.016293	1.87	2.14	4.18	0.83
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP03H	0.42	41.42	42.03		42.05	0.003647	0.61	0.68	2.25	0.36
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP03H	3.33	41.42	42.45		42.59	0.013970	1.68	1.98	4.04	0.77
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP06H	2.33	41.42	42.35		42.46	0.011329	1.44	1.61	3.52	0.68
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP06H	1.52	41.42	42.25		42.32	0.009066	1.19	1.28	3.16	0.60
Rio Pratella	Pratella	41.43	Max WS	IC_TR030_TP09H	1.06	41.42	42.18		42.23	0.007102	0.99	1.07	2.91	0.52
Rio Pratella	Pratella	41.43	Max WS	IC_TR200_TP09H	1.67	41.42	42.27		42.35	0.009586	1.24	1.34	3.23	0.62
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP18H	0.74	41.32	42.09		42.11	0.003651	0.70	1.07	3.00	0.37
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP18H	0.42	41.32	42.01		42.02	0.002003	0.49	0.86	2.59	0.27
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP24H	0.58	41.32	42.05		42.07	0.002782	0.59	0.97	2.82	0.32
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP24H	0.40	41.32	42.00		42.02	0.001926	0.48	0.84	2.56	0.26
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP36H	0.40	41.32	42.00		42.02	0.001926	0.48	0.84	2.56	0.26
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP36H	0.40	41.32	42.00		42.02	0.001926	0.48	0.84	2.56	0.26
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP01H	3.53	41.32	42.30		42.49	0.018482	1.95	1.82	3.82	0.89
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP01H	3.73	41.32	42.31		42.52	0.019147	2.01	1.87	3.84	0.91
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP03H	0.42	41.32	42.01		42.02	0.002003	0.49	0.86	2.59	0.27
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP03H	3.21	41.32	42.28		42.46	0.017075	1.84	1.75	3.78	0.85
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP06H	2.32	41.32	42.23		42.35	0.012175	1.48	1.57	3.68	0.71
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP06H	1.52	41.32	42.18		42.24	0.007852	1.11	1.37	3.50	0.56
Rio Pratella	Pratella	41.425	Max WS	IC_TR030_TP09H	1.06	41.32	42.13		42.17	0.005327	0.87	1.21	3.22	0.45
Rio Pratella	Pratella	41.425	Max WS	IC_TR200_TP09H	1.67	41.32	42.19		42.26	0.008652	1.19	1.41	3.58	0.59
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP18H	0.61	41.22	42.08	41.68	42.09	0.001264	0.45	1.36	3.23	0.22
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP18H	0.40	41.22	42.00	41.61	42.01	0.000931	0.35	1.12	3.03	0.19
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP24H	0.51	41.22	42.04	41.65	42.05	0.001107	0.40	1.25	3.14	0.20
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP24H	0.38	41.22	41.99	41.60	42.00	0.000912	0.35	1.10	3.01	0.18
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP36H	0.38	41.22	41.99	41.60	42.00	0.000912	0.35	1.10	3.01	0.18
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP36H	0.38	41.22	41.99	41.60	42.00	0.000912	0.35	1.10	3.01	0.18
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP01H	1.94	41.22	42.37	41.97	42.40	0.002693	0.80	2.41	4.01	0.33
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP01H	2.03	41.22	42.38	41.99	42.42	0.002752	0.82	2.47	4.01	0.33
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP03H	0.40	41.22	42.00	41.61	42.01	0.000931	0.35	1.12	3.03	0.19
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP03H	1.79	41.22	42.34	41.95	42.37	0.002570	0.77	2.32	3.95	0.32
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP06H	1.38	41.22	42.26	41.88	42.29	0.002213	0.68	2.01	3.74	0.30
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP06H	1.00	41.22	42.18	41.79	42.20	0.001807	0.58	1.72	3.52	0.27
Rio Pratella	Pratella	41.42	Max WS	IC_TR030_TP09H	0.77	41.22	42.13	41.73	42.14	0.001512	0.51	1.52	3.37	0.24
Rio Pratella	Pratella	41.42	Max WS	IC_TR200_TP09H	1.07	41.22	42.20	41.81	42.22	0.001891	0.60	1.78	3.57	0.27
Rio Pratella	Pratella	41.403												
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP18H	0.61	40.58	41.10		41.13	0.004832	0.77	0.79	2.34	0.42
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP18H	0.40	40.58	41.03		41.05	0.004097	0.64	0.62	2.16	0.38
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP24H	0.51	40.58	41.07		41.09	0.004574	0.72	0.70	2.25	0.41
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP24H	0.38	40.58	41.02		41.04	0.004026	0.63	0.61	2.15	0.38
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP36H	0.38	40.58	41.02		41.04	0.004026	0.63	0.61	2.15	0.38
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP36H	0.38	40.58	41.02		41.04	0.004026	0.63	0.61	2.15	0.38
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP01H	1.94	40.58	41.41		41.48	0.005721	1.20	1.62	3.57	0.50
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP01H	2.03	40.58	41.43		41.50	0.005755	1.22	1.66	3.63	0.51
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP03H	0.40	40.58	41.03		41.05	0.004096	0.64	0.62	2.16	0.38
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP03H	1.79	40.58	41.39		41.46	0.005657	1.16	1.55	3.47	0.50
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP06H	1.38	40.58	41.31		41.36	0.005643	1.04	1.33	3.13	0.48
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP06H	1.00	40.58	41.22		41.26	0.005706	0.93	1.08	2.77	0.47
Rio Pratella	Pratella	41.401	Max WS	IC_TR030_TP09H	0.77	40.58	41.16		41.19	0.005236	0.85	0.92	2.51	0.45
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP09H	1.07	40.58	41.24		41.28	0.005694	0.95	1.13	2.85	0.48
Rio Pratella	Pratella	41.4002												
Rio Pratella	Pratella	41.4001												
Rio Pratella	Pratella	41.400												
Rio Pratella	Pratella	41.401	Max WS	IC_TR200_TP18H	0.61	40.58	40.98		41.05	0.016888	1.20	0.51	2.03	0.77
Rio Pratella	Pratella	41.40	Max WS	IC_TR030_TP18H	0.40	40.58	40.91		40.97	0.017126	1.05	0.38	1.87	0.75
Rio Pratella	Pratella	41.40	Max WS	IC_TR200_TP24H	0.51	40.58	40.94		41.01	0.017290	1.14	0.44	1.96	0.77
Rio Pratella	Pratella													



HEC-RAS Profile: Max WS (Continued)

River	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
Rio Pratella	Pratella	41.38	Max WS	IC_TR030_TP01H	1.94	40.12	40.81		40.94	0.016024	1.60	1.21	2.98	0.80
Rio Pratella	Pratella	41.38	Max WS	IC_TR200_TP01H	2.03	40.12	40.82		40.96	0.015902	1.61	1.26	3.04	0.80
Rio Pratella	Pratella	41.38	Max WS	IC_TR030_TP03H	0.40	40.12	40.45		40.51	0.015583	1.04	0.38	1.81	0.72
Rio Pratella	Pratella	41.38	Max WS	IC_TR200_TP03H	1.79	40.12	40.79		40.91	0.016074	1.57	1.14	2.88	0.80
Rio Pratella	Pratella	41.38	Max WS	IC_TR200_TP06H	1.38	40.12	40.71		40.82	0.016178	1.48	0.93	2.58	0.79
Rio Pratella	Pratella	41.38	Max WS	IC_TR030_TP06H	1.00	40.12	40.63		40.72	0.016023	1.37	0.73	2.26	0.77
Rio Pratella	Pratella	41.38	Max WS	IC_TR030_TP09H	0.77	40.12	40.57		40.65	0.016013	1.28	0.61	2.07	0.76
Rio Pratella	Pratella	41.38	Max WS	IC_TR200_TP09H	1.07	40.12	40.64		40.74	0.015870	1.39	0.77	2.33	0.77
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP18H	0.61	39.66	40.05		40.13	0.016863	1.22	0.49	1.88	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP18H	0.40	39.66	39.98		40.04	0.017527	1.10	0.36	1.70	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP24H	0.51	39.66	40.02		40.09	0.017349	1.18	0.43	1.79	0.77
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP24H	0.39	39.66	39.98		40.04	0.017411	1.09	0.36	1.69	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP36H	0.39	39.66	39.98		40.04	0.017411	1.09	0.36	1.69	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP36H	0.39	39.66	39.98		40.04	0.017411	1.09	0.36	1.69	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP01H	1.94	39.66	40.35		40.49	0.016242	1.63	1.19	2.86	0.80
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP01H	2.03	39.66	40.37		40.50	0.016170	1.64	1.24	2.91	0.80
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP03H	0.40	39.66	39.98		40.04	0.017528	1.10	0.36	1.70	0.76
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP03H	1.79	39.66	40.33		40.46	0.016387	1.60	1.12	2.78	0.80
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP06H	1.38	39.66	40.25		40.36	0.016308	1.49	0.92	2.52	0.79
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP06H	1.00	39.66	40.17		40.27	0.016152	1.37	0.73	2.25	0.77
Rio Pratella	Pratella	41.36	Max WS	IC_TR030_TP09H	0.77	39.66	40.11		40.19	0.016738	1.30	0.59	2.04	0.77
Rio Pratella	Pratella	41.36	Max WS	IC_TR200_TP09H	1.07	39.66	40.18		40.28	0.016256	1.40	0.77	2.30	0.78
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP18H	0.61	39.19	39.61		39.68	0.014831	1.18	0.51	1.88	0.72
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP18H	0.40	39.19	39.53		39.59	0.014673	1.04	0.38	1.66	0.70
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP24H	0.51	39.19	39.57		39.64	0.015194	1.13	0.45	1.77	0.72
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP24H	0.39	39.19	39.53		39.59	0.014597	1.04	0.38	1.66	0.69
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP36H	0.39	39.19	39.53		39.59	0.014597	1.04	0.38	1.66	0.69
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP36H	0.39	39.19	39.53		39.59	0.014597	1.04	0.38	1.66	0.69
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP01H	1.94	39.19	39.91		40.04	0.014831	1.60	1.21	2.73	0.76
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP01H	2.03	39.19	39.92		40.06	0.014918	1.62	1.25	2.75	0.77
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP03H	0.40	39.19	39.53		39.59	0.014673	1.04	0.38	1.66	0.70
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP03H	1.79	39.19	39.88		40.01	0.015068	1.57	1.14	2.66	0.77
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP06H	1.38	39.19	39.80		39.91	0.015206	1.47	0.94	2.45	0.76
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP06H	1.00	39.19	39.72		39.81	0.015596	1.37	0.73	2.19	0.76
Rio Pratella	Pratella	41.34	Max WS	IC_TR030_TP09H	0.77	39.19	39.66		39.74	0.015600	1.28	0.61	2.01	0.74
Rio Pratella	Pratella	41.34	Max WS	IC_TR200_TP09H	1.07	39.19	39.73		39.83	0.015574	1.39	0.77	2.24	0.76
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP18H	0.61	38.73	39.14		39.22	0.017821	1.28	0.47	1.73	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP18H	0.40	38.73	39.06		39.12	0.018668	1.15	0.34	1.53	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP24H	0.51	38.73	39.10		39.18	0.018402	1.23	0.41	1.64	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP24H	0.39	38.73	39.06		39.12	0.018552	1.15	0.34	1.53	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP36H	0.39	38.73	39.06		39.12	0.018552	1.15	0.34	1.53	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP36H	0.39	38.73	39.06		39.12	0.018552	1.15	0.34	1.53	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP01H	1.94	38.73	39.46		39.59	0.016891	1.61	1.21	2.95	0.80
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP01H	2.02	38.73	39.47		39.60	0.017067	1.63	1.24	2.98	0.81
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP03H	0.40	38.73	39.06		39.12	0.018668	1.15	0.34	1.53	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP03H	1.79	38.73	39.44		39.56	0.016976	1.57	1.14	2.93	0.80
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP06H	1.38	38.73	39.36		39.47	0.016224	1.48	0.93	2.50	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP06H	1.00	38.73	39.26		39.36	0.015941	1.40	0.71	2.04	0.76
Rio Pratella	Pratella	41.32	Max WS	IC_TR030_TP09H	0.77	38.73	39.19		39.28	0.017217	1.35	0.57	1.87	0.78
Rio Pratella	Pratella	41.32	Max WS	IC_TR200_TP09H	1.07	38.73	39.28		39.39	0.015788	1.42	0.75	2.09	0.76
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP18H	0.61	38.27	38.74		38.80	0.011395	1.11	0.54	1.64	0.62
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP18H	0.40	38.27	38.65		38.70	0.011488	0.99	0.40	1.47	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP24H	0.51	38.27	38.70		38.76	0.011398	1.06	0.48	1.57	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP24H	0.40	38.27	38.65		38.70	0.011488	0.99	0.40	1.47	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP36H	0.40	38.27	38.65		38.70	0.011488	0.99	0.40	1.47	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP36H	0.40	38.27	38.65		38.70	0.011488	0.99	0.40	1.47	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP01H	1.84	38.27	39.07		39.17	0.012695	1.43	1.29	2.94	0.69
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP01H	1.90	38.27	39.07		39.18	0.013168	1.46	1.31	2.98	0.70
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP03H	0.40	38.27	38.65		38.70	0.011488	0.99	0.40	1.47	0.61
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP03H	1.74	38.27	39.05		39.15	0.011917	1.38	1.26	2.87	0.67
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP06H	1.38	38.27	38.99		39.07	0.011147	1.27	1.08	2.70	0.64
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP06H	1.00	38.27	38.89		38.96	0.011619	1.22	0.82	2.23	0.64
Rio Pratella	Pratella	41.30	Max WS	IC_TR030_TP09H	0.77	38.27	38.81		38.88	0.011549	1.17	0.66	1.85	0.63
Rio Pratella	Pratella	41.30	Max WS	IC_TR200_TP09H	1.07	38.27	38.91		38.98	0.011654	1.23	0.87	2.33	0.64
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP18H	0.61	38.10	38.59		38.65	0.010308	1.07	0.57	1.69	0.59
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP18H	0.40	38.10	38.50		38.54	0.010284	0.95	0.42	1.51	0.58
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP24H	0.51	38.10	38.55		38.60	0.010306	1.02	0.50	1.61	0.59
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP24H	0.40	38.10	38.50		38.54	0.010284	0.95	0.42	1.51	0.58
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP36H	0.40	38.10	38.50		38.54	0.010284	0.95	0.42	1.51	0.58
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP36H	0.40	38.10	38.50		38.54	0.010284	0.95	0.42	1.51	0.58
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP01H	1.73	38.10	38.91		39.01	0.010953	1.35	1.28	2.89	0.65
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP01H	1.77	38.10	38.92		39.02	0.011090	1.36	1.30	2.95	0.65
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP03H	0.40	38.10	38.50		38.54	0.010284	0.95	0.42	1.51	0.58
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP03H	1.67	38.10	38.90		38.99	0.010732	1.34	1.24	2.77	0.64
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP06H	1.38	38.10	38.83		38.92	0.010724	1.30	1.06	2.44	0.63
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP06H	1.00	38.10	38.73		38.80	0.010688	1.21	0.83	2.10	0.62
Rio Pratella	Pratella	41.295	Max WS	IC_TR030_TP09H	0.77	38.10	38.65		38.72	0.010543	1.14	0.68	1.87	0.61
Rio Pratella	Pratella	41.295	Max WS	IC_TR200_TP09H	1.07	38.10	38.75		38.83	0.010710	1.23	0.87	2.16	0.62
Rio Pratella	Pratella	41.289	Max WS	IC_TR200_TP18H	0.61	37.94	38.48		38.52	0.006856	0.92	0.66	1.83	0.49
Rio Pratella	Pratella	41.289	Max WS	IC_TR030_TP18H	0.40	37.94	38.39		38.42	0.005939	0.78	0.51	1.65	0.45
Rio Pratella	Pratella	41.289	Max WS	IC_TR200_TP24H	0.51	37.94	38.44		38.48	0.006492	0.86	0.59	1.74	0.47
Rio Pratella	Pratella	41.289	Max WS	IC_TR030_TP24H	0.40	37.94	38.39		38.42	0.005939	0.78	0.51	1.65	0.45
Rio Pratella	Pratella	41.289	Max WS	IC_TR200_TP36H	0.40	37.94	38.39		38.42	0.005939	0.78	0.51	1.65	0.45
Rio Pratella	Pratella	41.289	Max WS	IC_TR030_TP36H	0.40	37.94	38.39		38.42	0.005939	0.78	0.51	1.65	0.45

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Pratella	Pratella	41.278	Max WS	IC TR030 TP09H	0.77	37.60	38.07		38.18	0.021320	1.45	0.53	1.85	0.86
Rio Pratella	Pratella	41.278	Max WS	IC TR200 TP09H	1.07	37.60	38.15		38.27	0.020126	1.54	0.70	2.09	0.85
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP18H	0.61	37.07	37.69		37.72	0.004416	0.77	0.79	2.07	0.40
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP18H	0.40	37.07	37.60		37.62	0.003769	0.65	0.62	1.86	0.36
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP24H	0.51	37.07	37.65		37.67	0.004710	0.72	0.70	1.97	0.38
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP24H	0.40	37.07	37.60		37.62	0.003769	0.65	0.62	1.86	0.36
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP36H	0.40	37.07	37.60		37.62	0.003769	0.65	0.62	1.86	0.36
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP36H	0.40	37.07	37.60		37.62	0.003769	0.65	0.62	1.86	0.36
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP01H	1.73	37.07	37.95		38.03	0.007902	1.22	1.42	2.91	0.56
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP01H	1.77	37.07	37.96		38.03	0.008112	1.23	1.43	2.94	0.56
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP03H	0.40	37.07	37.60		37.62	0.003769	0.65	0.62	1.86	0.36
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP03H	1.66	37.07	37.94		38.02	0.007525	1.19	1.40	2.84	0.54
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP06H	1.37	37.07	37.90		37.96	0.006331	1.08	1.27	2.58	0.49
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP06H	1.00	37.07	37.81		37.85	0.005521	0.95	1.05	2.35	0.45
Rio Pratella	Pratella	41.267	Max WS	IC TR030 TP09H	0.77	37.07	37.74		37.78	0.004961	0.86	0.90	2.20	0.43
Rio Pratella	Pratella	41.267	Max WS	IC TR200 TP09H	1.07	37.07	37.83		37.87	0.005642	0.98	1.10	2.40	0.46
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP18H	0.61	36.94	37.44		37.50	0.011099	1.03	0.59	2.13	0.62
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP18H	0.40	36.94	37.36		37.41	0.011228	0.94	0.43	1.78	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP24H	0.51	36.94	37.40		37.45	0.011599	1.00	0.51	1.95	0.63
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP24H	0.40	36.94	37.36		37.41	0.011228	0.94	0.43	1.78	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP36H	0.40	36.94	37.36		37.41	0.011228	0.94	0.43	1.78	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP36H	0.40	36.94	37.36		37.41	0.011228	0.94	0.43	1.78	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP01H	1.62	36.94	37.72		37.79	0.009240	1.21	1.34	3.25	0.60
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP01H	1.64	36.94	37.72		37.79	0.009286	1.22	1.35	3.25	0.60
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP03H	0.40	36.94	37.36		37.41	0.011228	0.94	0.43	1.78	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP03H	1.58	36.94	37.71		37.78	0.009027	1.19	1.33	3.25	0.59
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP06H	1.36	36.94	37.68		37.75	0.008152	1.09	1.24	3.25	0.58
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP06H	1.00	36.94	37.59		37.64	0.008945	1.06	0.94	2.75	0.58
Rio Pratella	Pratella	41.256	Max WS	IC TR030 TP09H	0.77	36.94	37.50		37.56	0.010411	1.06	0.73	2.40	0.61
Rio Pratella	Pratella	41.256	Max WS	IC TR200 TP09H	1.07	36.94	37.61		37.67	0.008471	1.06	1.01	2.87	0.57
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP18H	0.61	36.61	37.12		37.18	0.011034	1.06	0.57	1.87	0.61
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP18H	0.40	36.61	37.04		37.08	0.011181	0.96	0.42	1.62	0.60
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP24H	0.51	36.61	37.08		37.13	0.011204	1.02	0.50	1.74	0.61
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP24H	0.40	36.61	37.04		37.08	0.011181	0.96	0.42	1.62	0.60
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP36H	0.40	36.61	37.04		37.08	0.011181	0.96	0.42	1.62	0.60
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP36H	0.40	36.61	37.04		37.08	0.011181	0.96	0.42	1.62	0.60
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP01H	1.45	36.61	37.28		37.41	0.018450	1.58	0.91	2.39	0.82
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP01H	1.45	36.61	37.28		37.41	0.018498	1.59	0.92	2.39	0.82
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP03H	0.40	36.61	37.04		37.08	0.011181	0.96	0.42	1.62	0.60
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP03H	1.43	36.61	37.28		37.41	0.018185	1.57	0.91	2.39	0.81
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP06H	1.32	36.61	37.27		37.38	0.017180	1.50	0.88	2.37	0.79
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP06H	1.00	36.61	37.22		37.31	0.013990	1.30	0.77	2.22	0.71
Rio Pratella	Pratella	41.245	Max WS	IC TR030 TP09H	0.77	36.61	37.17		37.24	0.012083	1.17	0.66	2.00	0.65
Rio Pratella	Pratella	41.245	Max WS	IC TR200 TP09H	1.07	36.61	37.23		37.33	0.014649	1.34	0.80	2.29	0.72
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP18H	0.61	36.28	36.81		36.86	0.011669	0.97	0.63	2.57	0.62
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP18H	0.41	36.28	36.71		36.76	0.011835	0.96	0.42	1.68	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP24H	0.51	36.28	36.76		36.81	0.012230	0.97	0.52	2.17	0.63
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP24H	0.41	36.28	36.71		36.76	0.011835	0.96	0.42	1.68	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP36H	0.41	36.28	36.71		36.76	0.011835	0.96	0.42	1.68	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP36H	0.41	36.28	36.71		36.76	0.011835	0.96	0.42	1.68	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP01H	1.14	36.28	36.93		37.00	0.011685	1.19	0.96	2.74	0.64
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP01H	1.15	36.28	36.93		37.01	0.011634	1.19	0.96	2.74	0.64
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP03H	0.41	36.28	36.71		36.76	0.011835	0.96	0.42	1.68	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP03H	1.13	36.28	36.93		37.00	0.011579	1.19	0.96	2.74	0.64
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP06H	1.08	36.28	36.92		36.99	0.011228	1.16	0.94	2.73	0.63
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP06H	0.92	36.28	36.89		36.95	0.010655	1.08	0.85	2.70	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR030 TP09H	0.76	36.28	36.85		36.91	0.010954	1.02	0.75	2.65	0.61
Rio Pratella	Pratella	41.234	Max WS	IC TR200 TP09H	0.95	36.28	36.90		36.96	0.010562	1.09	0.88	2.71	0.61
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP18H	0.61	35.95	36.47		36.53	0.011205	1.06	0.57	1.85	0.61
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP18H	0.41	35.95	36.39		36.43	0.011238	0.96	0.42	1.60	0.59
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP24H	0.51	35.95	36.43		36.48	0.011515	1.02	0.50	1.73	0.61
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP24H	0.41	35.95	36.39		36.43	0.011238	0.96	0.42	1.60	0.59
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP36H	0.41	35.95	36.39		36.43	0.011238	0.96	0.42	1.60	0.59
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP36H	0.41	35.95	36.39		36.43	0.011238	0.96	0.42	1.60	0.59
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP01H	1.03	35.95	36.61		36.68	0.011716	1.22	0.84	2.29	0.64
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP01H	1.03	35.95	36.61		36.68	0.011672	1.22	0.85	2.29	0.64
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP03H	0.41	35.95	36.39		36.43	0.011238	0.96	0.42	1.60	0.59
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP03H	1.03	35.95	36.61		36.68	0.011584	1.22	0.84	2.28	0.64
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP06H	1.00	35.95	36.60		36.67	0.011643	1.21	0.82	2.25	0.64
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP06H	0.88	35.95	36.57		36.64	0.011335	1.17	0.76	2.12	0.63
Rio Pratella	Pratella	41.223	Max WS	IC TR030 TP09H	0.76	35.95	36.53		36.59	0.011463	1.13	0.67	2.00	0.62
Rio Pratella	Pratella	41.223	Max WS	IC TR200 TP09H	0.91	35.95	36.57		36.64	0.011311	1.18	0.77	2.15	0.63
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP18H	0.61	35.62	36.15		36.20	0.011555	1.05	0.58	1.93	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP18H	0.41	35.62	36.05		36.10	0.012089	0.98	0.41	1.57	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP24H	0.51	35.62	36.10		36.16	0.011781	1.02	0.50	1.75	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP24H	0.41	35.62	36.05		36.10	0.012089	0.98	0.41	1.57	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP36H	0.41	35.62	36.05		36.10	0.012089	0.98	0.41	1.57	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP36H	0.41	35.62	36.05		36.10	0.012089	0.98	0.41	1.57	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP01H	1.03	35.62	36.30		36.37	0.010151	1.12	0.92	2.60	0.60
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP01H	1.03	35.62	36.30		36.37	0.010073	1.12	0.93	2.61	0.60
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP03H	0.41	35.62	36.05		36.10	0.012089	0.98	0.41	1.57	0.61
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP03H	1.03	35.62	36.30		36.36	0.010142	1.12	0.92	2.60	0.60
Rio Pratella	Pratella	41.212	Max WS	IC TR200 TP06H	0.99	35.62	36.29		36.35	0.010264	1.11	0.89	2.57	0.60
Rio Pratella	Pratella	41.212	Max WS	IC TR030 TP06H	0.88	35.62	36.25							

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP24H	0.41	35.16	35.63		35.67	0.008018	0.87	0.47	1.50	0.50
Rio Pratella	Pratella	41.19	Max WS	IC_TR200_TP36H	0.41	35.16	35.63		35.67	0.008018	0.87	0.47	1.50	0.50
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP36H	0.41	35.16	35.63		35.67	0.008018	0.87	0.47	1.50	0.50
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP01H	1.03	35.16	35.88		35.94	0.008447	1.05	0.98	2.59	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR200_TP01H	1.03	35.16	35.88		35.94	0.008295	1.04	0.99	2.60	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP03H	0.41	35.16	35.63		35.67	0.008018	0.87	0.47	1.50	0.50
Rio Pratella	Pratella	41.19	Max WS	IC_TR200_TP03H	1.03	35.16	35.88		35.93	0.008350	1.04	0.98	2.59	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR200_TP06H	0.99	35.16	35.87		35.92	0.008208	1.03	0.96	2.56	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP06H	0.89	35.16	35.83		35.89	0.008616	1.02	0.87	2.41	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR030_TP09H	0.76	35.16	35.79		35.84	0.008750	0.99	0.77	2.24	0.54
Rio Pratella	Pratella	41.19	Max WS	IC_TR200_TP09H	0.91	35.16	35.84		35.90	0.008327	1.01	0.90	2.45	0.54
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP18H	0.61	34.96	35.47		35.54	0.014893	1.15	0.53	1.90	0.70
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP18H	0.41	34.96	35.39		35.45	0.013899	1.02	0.40	1.58	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP24H	0.51	34.96	35.43		35.49	0.014844	1.10	0.46	1.74	0.69
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP24H	0.41	34.96	35.39		35.45	0.013899	1.02	0.40	1.58	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP36H	0.41	34.96	35.39		35.45	0.013899	1.02	0.40	1.58	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP36H	0.41	34.96	35.39		35.45	0.013899	1.02	0.40	1.58	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP01H	1.03	34.96	35.64		35.70	0.010747	1.15	0.90	2.61	0.62
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP03H	0.41	34.96	35.39		35.45	0.013899	1.02	0.40	1.58	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP03H	1.03	34.96	35.62		35.69	0.011890	1.19	0.86	2.55	0.65
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP06H	1.00	34.96	35.59		35.67	0.014863	1.29	0.78	2.40	0.72
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP06H	0.89	34.96	35.55		35.63	0.015860	1.28	0.69	2.24	0.74
Rio Pratella	Pratella	41.173	Max WS	IC_TR030_TP09H	0.76	34.96	35.52		35.59	0.015485	1.23	0.62	2.10	0.72
Rio Pratella	Pratella	41.173	Max WS	IC_TR200_TP09H	0.91	34.96	35.56		35.64	0.015590	1.28	0.71	2.28	0.73
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP18H	0.61	34.67	35.15		35.23	0.016667	1.20	0.50	1.94	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP18H	0.41	34.67	35.08		35.14	0.017428	1.11	0.36	1.62	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP24H	0.51	34.67	35.12		35.19	0.017098	1.16	0.43	1.79	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP24H	0.41	34.67	35.08		35.14	0.017428	1.11	0.36	1.62	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP36H	0.41	34.67	35.08		35.14	0.017428	1.11	0.36	1.62	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP36H	0.41	34.67	35.08		35.14	0.017428	1.11	0.36	1.62	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP01H	1.01	34.67	35.47		35.50	0.003600	0.77	1.31	3.08	0.38
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP01H	1.00	34.67	35.54		35.56	0.002264	0.65	1.53	3.19	0.30
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP03H	0.41	34.67	35.08		35.14	0.017428	1.11	0.36	1.62	0.75
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP03H	1.02	34.67	35.50		35.53	0.002977	0.72	1.41	3.13	0.34
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP06H	0.96	34.67	35.40		35.44	0.005693	0.90	1.10	2.96	0.47
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP06H	0.88	34.67	35.31		35.36	0.008746	1.03	0.85	2.57	0.57
Rio Pratella	Pratella	41.157	Max WS	IC_TR030_TP09H	0.76	34.67	35.22		35.29	0.014453	1.20	0.63	2.20	0.72
Rio Pratella	Pratella	41.157	Max WS	IC_TR200_TP09H	0.90	34.67	35.33		35.38	0.007841	0.99	0.91	2.66	0.54
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP18H	0.61	34.37	34.92		34.97	0.008969	1.00	0.61	1.90	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP18H	0.41	34.37	34.83		34.87	0.009332	0.91	0.44	1.65	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP24H	0.51	34.37	34.87		34.92	0.009119	0.96	0.53	1.78	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP24H	0.41	34.37	34.83		34.87	0.009332	0.91	0.44	1.65	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP36H	0.41	34.37	34.83		34.87	0.009332	0.91	0.44	1.65	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP36H	0.41	34.37	34.83		34.87	0.009332	0.91	0.44	1.65	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP01H	0.39	34.37	35.46		35.46	0.000132	0.18	2.18	3.50	0.07
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP01H	0.45	34.37	35.54		35.54	0.000127	0.18	2.43	3.50	0.07
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP03H	0.41	34.37	34.83		34.87	0.009332	0.91	0.44	1.65	0.56
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP03H	0.65	34.37	35.49		35.49	0.000325	0.28	2.27	3.50	0.11
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP06H	0.47	34.37	35.38		35.38	0.000301	0.25	1.88	3.50	0.11
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP06H	0.86	34.37	35.21		35.24	0.002410	0.65	1.33	2.94	0.31
Rio Pratella	Pratella	41.14	Max WS	IC_TR030_TP09H	0.76	34.37	35.03		35.08	0.005880	0.90	0.85	2.26	0.47
Rio Pratella	Pratella	41.14	Max WS	IC_TR200_TP09H	0.84	34.37	35.25		35.27	0.001952	0.58	1.44	3.16	0.28
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP18H	0.61	34.25	34.82		34.87	0.008008	0.94	0.64	2.02	0.54
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP18H	0.41	34.25	34.72		34.76	0.009588	0.91	0.44	1.70	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP24H	0.51	34.25	34.77		34.81	0.009253	0.95	0.53	1.85	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP24H	0.41	34.25	34.72		34.76	0.009588	0.91	0.44	1.70	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP36H	0.41	34.25	34.72		34.76	0.009588	0.91	0.44	1.70	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP36H	0.41	34.25	34.72		34.76	0.009588	0.91	0.44	1.70	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP01H	0.19	34.25	35.47		35.47	0.000020	0.07	2.58	3.88	0.03
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP01H	-0.60	34.25	35.53		35.54	0.000151	-0.21	2.84	3.88	0.08
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP03H	0.41	34.25	34.72		34.76	0.009588	0.91	0.44	1.70	0.57
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP03H	0.44	34.25	35.49		35.50	0.000097	0.16	2.69	3.88	0.06
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP06H	0.40	34.25	35.38		35.38	0.000128	0.18	2.26	3.67	0.07
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP06H	0.56	34.25	35.21		35.22	0.000528	0.33	1.69	3.15	0.14
Rio Pratella	Pratella	41.13	Max WS	IC_TR030_TP09H	0.76	34.25	34.98		35.01	0.003992	0.75	1.01	2.69	0.39
Rio Pratella	Pratella	41.13	Max WS	IC_TR200_TP09H	0.61	34.25	35.25		35.26	0.000512	0.33	1.82	3.27	0.14
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP18H	0.61	34.12	34.75		34.78	0.005797	0.83	0.73	2.22	0.46
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP18H	0.41	34.12	34.61		34.65	0.009282	0.89	0.45	1.77	0.56
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP24H	0.51	34.12	34.66		34.71	0.008418	0.91	0.56	1.95	0.54
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP24H	0.41	34.12	34.61		34.65	0.009282	0.89	0.45	1.77	0.56
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP36H	0.41	34.12	34.61		34.65	0.009282	0.89	0.45	1.77	0.56
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP36H	0.41	34.12	34.61		34.65	0.009282	0.89	0.45	1.77	0.56
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP01H	0.24	34.12	35.46		35.47	0.000022	0.08	2.90	3.64	0.03
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP01H	-0.64	34.12	35.54		35.54	0.000119	-0.20	3.16	3.76	0.07
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP03H	0.41	34.12	34.61		34.65	0.009282	0.89	0.45	1.77	0.56
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP03H	0.48	34.12	35.49		35.50	0.000076	0.16	3.00	3.69	0.06
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP06H	0.49	34.12	35.38		35.38	0.000121	0.19	2.59	3.50	0.07
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP06H	0.56	34.12	35.21		35.22	0.000298	0.27	2.03	3.22	0.11
Rio Pratella	Pratella	41.12	Max WS	IC_TR030_TP09H	0.75	34.12	34.95		34.97	0.002078	0.60	1.25	2.79	0.29
Rio Pratella	Pratella	41.12	Max WS	IC_TR200_TP09H	0.52	34.12	35.25		35.26	0.000221	0.24	2.16	3.29	0.10
Rio Pratella	Pratella	41.11	Max WS	IC_TR200_TP18H	0.61	34.00	34.70		34.72	0.003890	0.72	0.85	2.32	0.38
Rio Pratella	Pratella	41.11	Max WS	IC_TR030_TP18H	0.41	34.00	34.49		34.54	0.010069	0.92	0.44	1.68	0.58
Rio Pratella	Pratella	41.11	Max WS	IC_TR200_TP24H	0.51	34.00	34.58		34.61	0.007154	0.86	0.59	1.94	0.50
Rio Pratella	Pratella	41.11	Max WS	IC_TR030_TP24H	0.41	34.00	34.49		34.54	0.010069	0.92	0.44	1.68	0

River	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
Rio Pratella	Pratella	41.1	Max WS	IC TR200 TP03H	-0.34	33.88	35.49	34.24	35.49	0.000017	0.07	4.52	5.64	0.03
Rio Pratella	Pratella	41.1	Max WS	IC TR200 TP06H	1.28	33.88	35.36	34.50	35.37	0.000393	0.34	3.80	5.44	0.13
Rio Pratella	Pratella	41.1	Max WS	IC TR030 TP06H	1.14	33.88	35.19	34.47	35.20	0.000598	0.39	2.94	4.66	0.16
Rio Pratella	Pratella	41.1	Max WS	IC TR030 TP09H	0.84	33.88	34.93	34.40	34.94	0.000861	0.44	1.89	3.17	0.18
Rio Pratella	Pratella	41.1	Max WS	IC TR200 TP09H	1.13	33.88	35.24	34.47	35.24	0.000503	0.36	3.14	4.89	0.14
Rio Pratella	Pratella	41.085		Ini Struct										
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP18H	0.61	33.35	34.67		34.67	0.000161	0.20	3.00	4.72	0.08
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP18H	0.40	33.35	34.35		34.36	0.000226	0.22	1.77	3.05	0.09
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP24H	0.51	33.35	34.52		34.53	0.000195	0.21	2.35	3.89	0.09
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP24H	0.38	33.35	34.22		34.23	0.000042	0.27	1.39	2.80	0.12
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP36H	0.38	33.35	34.32		34.33	0.000242	0.23	1.68	2.98	0.10
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP36H	0.40	33.35	34.11		34.12	0.000905	0.37	1.09	2.65	0.18
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP01H	0.06	33.35	35.46		35.46	0.000000	0.01	7.25	5.43	0.00
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP01H	-1.19	33.35	35.54		35.54	0.000042	-0.16	7.65	5.43	0.04
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP03H	0.40	33.35	34.35		34.36	0.000226	0.22	1.77	3.05	0.09
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP03H	-0.34	33.35	35.49		35.49	0.000004	-0.05	7.40	5.43	0.01
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP06H	1.32	33.35	35.36		35.36	0.000076	0.20	6.69	5.43	0.06
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP06H	1.14	33.35	35.20		35.20	0.000088	0.20	5.79	5.43	0.06
Rio Pratella	Pratella	41.083	Max WS	IC TR030 TP09H	0.84	33.35	34.93		34.93	0.000112	0.19	4.34	5.43	0.07
Rio Pratella	Pratella	41.083	Max WS	IC TR200 TP09H	1.13	33.35	35.24		35.24	0.000077	0.19	6.01	5.43	0.06
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP18H	0.61	33.33	34.67		34.67	0.000152	0.20	3.06	4.78	0.08
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP18H	0.40	33.33	34.35		34.35	0.000214	0.22	1.81	3.09	0.09
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP24H	0.51	33.33	34.52		34.53	0.000186	0.21	2.41	3.97	0.09
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP24H	0.38	33.33	34.22		34.23	0.000374	0.27	1.43	2.82	0.12
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP36H	0.38	33.33	34.32		34.33	0.000226	0.22	1.72	2.99	0.09
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP36H	0.40	33.33	34.11		34.12	0.000829	0.36	1.12	2.67	0.18
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP01H	0.02	33.33	35.47		35.47	0.000000	0.00	7.19	5.23	0.00
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP01H	-1.28	33.33	35.54		35.54	0.000050	-0.17	7.57	5.23	0.04
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP03H	0.40	33.33	34.35		34.35	0.000214	0.22	1.81	3.09	0.09
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP03H	-0.38	33.33	35.49		35.49	0.000005	-0.05	7.33	5.23	0.01
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP06H	1.31	33.33	35.36		35.36	0.000076	0.20	6.65	5.23	0.06
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP06H	1.14	33.33	35.20		35.20	0.000086	0.20	5.78	5.23	0.06
Rio Pratella	Pratella	41.067	Max WS	IC TR030 TP09H	0.83	33.33	34.93		34.93	0.000104	0.19	4.38	5.23	0.07
Rio Pratella	Pratella	41.067	Max WS	IC TR200 TP09H	1.13	33.33	35.24		35.24	0.000076	0.19	5.99	5.23	0.06
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP18H	0.61	33.33	34.67		34.67	0.000152	0.20	3.07	4.82	0.08
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP18H	0.40	33.33	34.35		34.35	0.000212	0.22	1.82	3.09	0.09
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP24H	0.51	33.33	34.52		34.53	0.000185	0.21	2.42	3.98	0.09
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP24H	0.38	33.33	34.22		34.23	0.000369	0.27	1.44	2.82	0.12
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP36H	0.38	33.33	34.32		34.33	0.000224	0.22	1.73	2.99	0.09
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP36H	0.40	33.33	34.11		34.12	0.000818	0.36	1.13	2.67	0.18
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP01H	-0.02	33.33	35.47		35.47	0.000000	0.00	7.06	5.03	0.00
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP01H	-1.34	33.33	35.54		35.54	0.000056	-0.18	7.42	5.03	0.05
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP03H	0.40	33.33	34.35		34.35	0.000212	0.22	1.82	3.09	0.09
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP03H	-0.41	33.33	35.49		35.49	0.000006	-0.06	7.19	5.03	0.02
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP06H	1.31	33.33	35.36		35.36	0.000078	0.20	6.54	5.03	0.06
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP06H	1.14	33.33	35.20		35.20	0.000087	0.20	5.70	5.03	0.06
Rio Pratella	Pratella	41.05	Max WS	IC TR030 TP09H	0.82	33.33	34.93		34.93	0.000102	0.19	4.36	5.03	0.06
Rio Pratella	Pratella	41.05	Max WS	IC TR200 TP09H	1.12	33.33	35.24		35.24	0.000077	0.19	5.90	5.03	0.06
Rio Grande	Grande0	45	Max WS	IC TR200 TP18H	3.62	41.06	41.99		42.07	0.005720	1.25	2.89	4.62	0.51
Rio Grande	Grande0	45	Max WS	IC TR030 TP18H	2.03	41.06	41.76		41.82	0.005182	1.05	1.93	3.68	0.47
Rio Grande	Grande0	45	Max WS	IC TR200 TP24H	2.81	41.06	41.89		41.96	0.005419	1.16	2.43	4.20	0.48
Rio Grande	Grande0	45	Max WS	IC TR030 TP24H	1.48	41.06	41.65		41.69	0.004909	0.96	1.54	3.24	0.44
Rio Grande	Grande0	45	Max WS	IC TR200 TP36H	1.91	41.06	41.74		41.79	0.005113	1.03	1.84	3.58	0.46
Rio Grande	Grande0	45	Max WS	IC TR030 TP36H	1.00	41.06	41.54		41.57	0.004801	0.84	1.19	3.07	0.43
Rio Grande	Grande0	45	Max WS	IC TR030 TP01H	1.37	41.06	42.81		43.06	0.005283	2.21	7.87	7.62	0.69
Rio Grande	Grande0	45	Max WS	IC TR200 TP01H	26.63	41.06	43.12		43.45	0.010486	2.55	10.46	9.06	0.76
Rio Grande	Grande0	45	Max WS	IC TR030 TP03H	2.03	41.06	41.76		41.82	0.005182	1.05	1.93	3.68	0.47
Rio Grande	Grande0	45	Max WS	IC TR200 TP03H	19.36	41.06	42.88		43.15	0.005976	2.30	8.41	7.84	0.71
Rio Grande	Grande0	45	Max WS	IC TR200 TP06H	11.48	41.06	42.56		42.74	0.007951	1.90	6.05	6.57	0.63
Rio Grande	Grande0	45	Max WS	IC TR030 TP06H	7.52	41.06	42.33		42.46	0.006918	1.62	4.65	5.76	0.58
Rio Grande	Grande0	45	Max WS	IC TR030 TP09H	5.26	41.06	42.16		42.26	0.006286	1.42	3.71	5.29	0.54
Rio Grande	Grande0	45	Max WS	IC TR200 TP09H	8.29	41.06	42.38		42.52	0.007111	1.68	4.94	5.93	0.59
Rio Grande	Grande0	44.91		Lat Struct										
Rio Grande	Grande0	44.90		Lat Struct										
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP18H	3.62	40.71	41.47	41.44	41.69	0.021114	2.08	1.74	3.50	0.94
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP18H	2.03	40.71	41.27		41.44	0.020389	1.79	1.13	2.81	0.90
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP24H	2.81	40.71	41.37		41.57	0.021062	1.97	1.43	3.12	0.93
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP24H	1.48	40.71	41.19		41.33	0.019924	1.61	0.92	2.66	0.88
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP36H	1.91	40.71	41.26		41.41	0.020314	1.76	1.09	2.77	0.90
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP36H	1.00	40.71	41.11		41.22	0.019302	1.41	0.71	2.51	0.85
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP01H	17.37	40.71	42.29	42.28	42.73	0.018558	2.93	5.92	6.44	0.98
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP01H	26.63	40.71	42.62	42.61	43.15	0.018213	3.23	8.25	7.62	0.99
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP03H	2.03	40.71	41.27		41.44	0.020389	1.79	1.13	2.81	0.90
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP03H	19.36	40.71	42.37	42.36	42.83	0.018874	3.00	6.46	6.89	0.99
Rio Grande	Grande0	44.833	Max WS	IC TR200 TP06H	11.48	40.71	42.03	42.01	42.39	0.019439	2.67	4.30	5.62	0.97
Rio Grande	Grande0	44.833	Max WS	IC TR030 TP06H	7.52	40.71	41.80	41.77	42.10	0.020177	2.43	3.10	4.82	0.97
Rio Grande	Grande0	44												

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Grande	Grande0	44.50	Max WS	IC_TR200_TP03H	19.36	40.02	41.72	41.12	41.89	0.003638	1.82	10.66	11.45	0.49
Rio Grande	Grande0	44.50	Max WS	IC_TR200_TP06H	11.48	40.02	41.40	40.82	41.50	0.002699	1.38	8.30	10.47	0.41
Rio Grande	Grande0	44.50	Max WS	IC_TR030_TP06H	7.52	40.02	41.19	40.64	41.25	0.002071	1.10	6.86	9.70	0.35
Rio Grande	Grande0	44.50	Max WS	IC_TR030_TP09H	5.26	40.02	41.05	40.52	41.09	0.001634	0.90	5.87	9.16	0.31
Rio Grande	Grande0	44.50	Max WS	IC_TR200_TP09H	8.29	40.02	41.24	40.68	41.30	0.002206	1.16	7.16	9.86	0.36
Rio Grande	Grande0	44.3		Bridge										
Rio Grande	Grande0	44	Max WS	IC_TR200_TP18H	3.62	40.24	40.62	40.67	40.85	0.038672	2.13	1.70	5.74	1.25
Rio Grande	Grande0	44	Max WS	IC_TR030_TP18H	2.03	40.24	40.51	40.56	40.69	0.050491	1.90	1.07	5.30	1.35
Rio Grande	Grande0	44	Max WS	IC_TR200_TP24H	2.81	40.24	40.57	40.62	40.78	0.042803	2.02	1.39	5.53	1.29
Rio Grande	Grande0	44	Max WS	IC_TR030_TP24H	1.48	40.24	40.47	40.51	40.62	0.056364	1.75	0.84	5.14	1.38
Rio Grande	Grande0	44	Max WS	IC_TR200_TP36H	1.91	40.24	40.50	40.54	40.68	0.051892	1.87	1.02	5.27	1.36
Rio Grande	Grande0	44	Max WS	IC_TR030_TP36H	1.00	40.24	40.42	40.46	40.56	0.071351	1.63	0.61	4.96	1.48
Rio Grande	Grande0	44	Max WS	IC_TR030_TP01H	17.37	40.24	41.23	41.26	41.64	0.021510	2.87	6.06	8.21	1.06
Rio Grande	Grande0	44	Max WS	IC_TR200_TP01H	26.63	40.24	41.50	41.51	42.02	0.018533	3.18	8.36	8.84	1.03
Rio Grande	Grande0	44	Max WS	IC_TR030_TP03H	2.03	40.24	40.51	40.56	40.69	0.050492	1.90	1.07	5.30	1.35
Rio Grande	Grande0	44	Max WS	IC_TR200_TP03H	19.36	40.24	41.29	41.32	41.73	0.020572	2.94	6.59	8.36	1.05
Rio Grande	Grande0	44	Max WS	IC_TR200_TP06H	11.48	40.24	41.01	41.05	41.37	0.025525	2.63	4.37	7.73	1.12
Rio Grande	Grande0	44	Max WS	IC_TR030_TP06H	7.52	40.24	40.84	40.90	41.15	0.031075	2.44	3.08	7.18	1.19
Rio Grande	Grande0	44	Max WS	IC_TR030_TP09H	5.26	40.24	40.72	40.78	40.99	0.033102	2.30	2.29	6.11	1.20
Rio Grande	Grande0	44	Max WS	IC_TR200_TP09H	8.29	40.24	40.88	40.93	41.19	0.029885	2.47	3.36	7.43	1.17
Rio Grande	Grande0	43.99		Lat Struct										
Rio Grande	Grande0	43.98		Lat Struct										
Rio Grande	Grande0	43	Max WS	IC_TR200_TP18H	3.62	40.02	40.49		40.59	0.011930	1.40	2.59	6.86	0.73
Rio Grande	Grande0	43	Max WS	IC_TR030_TP18H	2.03	40.02	40.37		40.44	0.012140	1.16	1.76	6.33	0.70
Rio Grande	Grande0	43	Max WS	IC_TR200_TP24H	2.81	40.02	40.43		40.52	0.012006	1.29	2.18	6.81	0.71
Rio Grande	Grande0	43	Max WS	IC_TR030_TP24H	1.48	40.02	40.32		40.37	0.012198	1.03	1.43	6.11	0.68
Rio Grande	Grande0	43	Max WS	IC_TR200_TP36H	1.91	40.02	40.36		40.42	0.012181	1.13	1.89	6.28	0.70
Rio Grande	Grande0	43	Max WS	IC_TR030_TP36H	1.00	40.02	40.26		40.30	0.012859	0.91	1.10	5.88	0.67
Rio Grande	Grande0	43	Max WS	IC_TR030_TP01H	17.37	40.02	41.12		41.38	0.011510	2.26	7.88	9.43	0.80
Rio Grande	Grande0	43	Max WS	IC_TR200_TP01H	26.63	40.02	41.39		41.73	0.011468	2.56	10.39	10.45	0.82
Rio Grande	Grande0	43	Max WS	IC_TR030_TP03H	2.03	40.02	40.37		40.44	0.012139	1.16	1.76	6.33	0.70
Rio Grande	Grande0	43	Max WS	IC_TR200_TP03H	19.36	40.02	41.18		41.46	0.011492	2.33	8.29	9.67	0.80
Rio Grande	Grande0	43	Max WS	IC_TR200_TP06H	11.47	40.02	40.90		41.11	0.011633	2.00	5.73	8.56	0.78
Rio Grande	Grande0	43	Max WS	IC_TR030_TP06H	7.52	40.02	40.72		40.88	0.011737	1.76	4.26	7.81	0.76
Rio Grande	Grande0	43	Max WS	IC_TR030_TP09H	5.26	40.02	40.60		40.73	0.011868	1.58	3.33	7.30	0.75
Rio Grande	Grande0	43	Max WS	IC_TR200_TP09H	8.28	40.02	40.76		40.93	0.011612	1.81	4.57	7.98	0.76
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP18H	3.62	39.42	39.95		40.05	0.012020	1.42	2.54	6.60	0.73
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP18H	2.03	39.42	39.82		39.89	0.012305	1.18	1.72	6.05	0.71
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP24H	2.81	39.42	39.89		39.98	0.012095	1.31	2.15	6.34	0.72
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP24H	1.48	39.42	39.76		39.82	0.012621	1.07	1.39	5.80	0.70
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP36H	1.91	39.42	39.81		39.88	0.012380	1.16	1.65	5.99	0.71
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP36H	1.00	39.42	39.71		39.75	0.012706	0.93	1.07	5.57	0.68
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP01H	17.36	39.42	40.59		40.85	0.011572	2.28	7.62	9.25	0.80
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP01H	26.63	39.42	40.86		41.20	0.011395	2.58	10.30	10.13	0.82
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP03H	2.03	39.42	39.82		39.89	0.012305	1.18	1.72	6.05	0.71
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP03H	19.36	39.42	40.65		40.93	0.011560	2.35	8.22	9.48	0.81
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP06H	11.47	39.42	40.37		40.58	0.011590	2.01	5.69	8.39	0.78
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP06H	7.52	39.42	40.19		40.35	0.011739	1.78	4.22	7.81	0.76
Rio Grande	Grande0	42.909	Max WS	IC_TR030_TP09H	5.26	39.42	40.06		40.19	0.011843	1.60	3.29	7.07	0.75
Rio Grande	Grande0	42.909	Max WS	IC_TR200_TP09H	8.29	39.42	40.22		40.40	0.011732	1.83	4.52	7.77	0.77
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP18H	3.62	38.82	39.40		39.51	0.011957	1.44	2.51	6.37	0.73
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP18H	2.03	38.82	39.27		39.34	0.012155	1.20	1.70	5.79	0.71
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP24H	2.81	38.82	39.34		39.43	0.011971	1.33	2.12	6.10	0.72
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP24H	1.48	38.82	39.21		39.27	0.012112	1.07	1.38	5.54	0.69
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP36H	1.91	38.82	39.26		39.33	0.012165	1.17	1.63	5.74	0.70
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP36H	1.00	38.82	39.15		39.20	0.012520	0.95	1.06	5.29	0.68
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP01H	17.36	38.82	40.05		40.32	0.011553	2.30	7.54	8.96	0.80
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP01H	26.63	38.82	40.34		40.68	0.011347	2.61	10.20	9.79	0.82
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP03H	2.03	38.82	39.27		39.34	0.012155	1.20	1.70	5.79	0.71
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP03H	19.36	38.82	40.12		40.41	0.011532	2.38	8.13	9.15	0.81
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP06H	11.46	38.82	39.83		40.04	0.011694	2.03	5.64	8.24	0.78
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP06H	7.52	38.82	39.65		39.81	0.011777	1.80	4.18	7.43	0.77
Rio Grande	Grande0	42.818	Max WS	IC_TR030_TP09H	5.26	38.82	39.52		39.65	0.011918	1.62	3.25	6.86	0.75
Rio Grande	Grande0	42.818	Max WS	IC_TR200_TP09H	8.28	38.82	39.69		39.86	0.011676	1.85	4.49	7.60	0.77
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP18H	3.62	38.22	38.86		38.97	0.012137	1.46	2.47	6.16	0.74
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP18H	2.03	38.22	38.72		38.79	0.012417	1.23	1.66	5.54	0.72
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP24H	2.81	38.22	38.79		38.88	0.012251	1.36	2.07	5.87	0.73
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP24H	1.48	38.22	38.66		38.72	0.012744	1.11	1.33	5.27	0.71
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP36H	1.91	38.22	38.70		38.78	0.012497	1.20	1.59	5.48	0.71
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP36H	1.00	38.22	38.60		38.65	0.012934	0.98	1.02	5.00	0.69
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP01H	17.36	38.22	39.52		39.80	0.011483	2.33	7.45	8.60	0.80
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP01H	26.63	38.22	39.81		40.17	0.011264	2.64	10.10	9.43	0.81
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP03H	2.03	38.22	38.72		38.79	0.012417	1.23	1.66	5.54	0.72
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP03H	19.36	38.22	39.59		39.88	0.011468	2.41	8.03	8.79	0.81
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP06H	11.47	38.22	39.29		39.51	0.011730	2.06	5.57	7.96	0.79
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP06H	7.52	38.22	39.10		39.27	0.011857	1.82	4.14	7.28	0.77
Rio Grande	Grande0	42.727	Max WS	IC_TR030_TP09H	5.26	38.22	38.97		39.11	0.011921	1.63	3.22	6.68	0.75
Rio Grande	Grande0	42.727	Max WS	IC_TR200_TP09H	8.28	38.22	39.14		39.32	0.011808	1.87	4.44	7.44	0.77
Rio Grande	Grande0	42.636	Max WS	IC_TR200_TP18H	3.62	37.62	38.31		38.42	0.012058	1.48	2.45	6.00	0.74
Rio Grande	Grande0	42.636	Max WS	IC_TR030_TP18H	2.03	37.62	38.17		38.24	0.012175	1.24	1.65	5.34	0.71
Rio Grande	Grande0	42.636	Max WS	IC_TR200_TP24H	2.81	37.62	38.24		38.34	0.011965	1.36	2.07	5.69	0.72
Rio Grande	Grande0	42.636	Max WS	IC_TR030_TP24H	1.48	37.62	38.10		38.17	0.012125	1.11	1.33	5.06	0.69
Rio Grande	Grande0	42.636	Max WS	IC_TR200_TP36H	1.91	37.62	38.15		38.23	0.012077	1.21	1.58	5.28	0.70
Rio Grande	Grande0	42.636	Max WS	IC_TR030_TP36H	1.00	37.62	38.04		38.09	0.012138	0.98	1.02	4.77	0.67
Rio Grande	Grande0	42.636	Max WS	IC_TR030_TP01H	17.36	37.62	38.99		39.27	0.011442	2.37	7.34	8.21	0.80
Rio Grande	Grande0	42.636	Max WS											

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Grande	Grande0	42.545	Max WS	IC_TR200_TP03H	19.36	37.02	38.53		38.84	0.011245	2.47	7.84	8.00	0.80
Rio Grande	Grande0	42.545	Max WS	IC_TR200_TP06H	11.47	37.02	38.21		38.44	0.011618	2.13	5.38	7.15	0.78
Rio Grande	Grande0	42.545	Max WS	IC_TR030_TP06H	7.52	37.02	38.01		38.19	0.011851	1.88	4.00	6.57	0.77
Rio Grande	Grande0	42.545	Max WS	IC_TR030_TP09H	5.26	37.02	37.87		38.01	0.012145	1.69	3.11	6.16	0.76
Rio Grande	Grande0	42.545	Max WS	IC_TR200_TP09H	8.28	37.02	38.05		38.24	0.011756	1.93	4.28	6.70	0.77
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP18H	3.62	36.42	37.18		37.31	0.012193	1.54	2.35	5.38	0.74
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP18H	2.03	36.42	37.04		37.12	0.011996	1.26	1.61	4.96	0.71
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP24H	2.81	36.42	37.12		37.22	0.012100	1.41	1.99	5.18	0.73
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP24H	1.48	36.42	36.97		37.04	0.012660	1.17	1.27	4.60	0.71
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP36H	1.91	36.42	37.03		37.10	0.012148	1.24	1.54	4.91	0.71
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP36H	1.00	36.42	36.89		36.95	0.012732	1.06	0.94	3.97	0.70
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP01H	17.36	36.42	37.94		38.24	0.011112	2.42	7.17	7.38	0.78
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP01H	26.62	36.42	38.28		38.65	0.010751	2.70	9.85	8.24	0.79
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP03H	2.03	36.42	37.04		37.12	0.011996	1.26	1.61	4.96	0.71
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP03H	19.35	36.42	38.01		38.33	0.011075	2.50	7.75	7.58	0.79
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP06H	11.46	36.42	37.67		37.91	0.011454	2.16	5.30	6.71	0.78
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP06H	7.52	36.42	37.45		37.64	0.011872	1.93	3.90	6.13	0.77
Rio Grande	Grande0	42.455	Max WS	IC_TR030_TP09H	5.26	36.42	37.31		37.46	0.012066	1.73	3.04	5.73	0.76
Rio Grande	Grande0	42.455	Max WS	IC_TR200_TP09H	8.28	36.42	37.50		37.70	0.011745	1.98	4.19	6.26	0.77
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP18H	3.62	35.82	36.61		36.74	0.012680	1.61	2.25	4.90	0.76
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP18H	2.03	35.82	36.45		36.54	0.013495	1.37	1.49	4.40	0.75
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP24H	2.81	35.82	36.53		36.65	0.013027	1.50	1.88	4.70	0.76
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP24H	1.48	35.82	36.37		36.45	0.013923	1.26	1.17	4.04	0.75
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP36H	1.91	35.82	36.43		36.52	0.013528	1.34	1.42	4.33	0.75
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP36H	1.00	35.82	36.30		36.36	0.014445	1.14	0.88	3.67	0.74
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP01H	17.35	35.82	37.43		37.73	0.010826	2.44	7.11	6.95	0.77
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP01H	26.62	35.82	37.80		38.17	0.010289	2.70	9.86	7.84	0.77
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP03H	2.03	35.82	36.45		36.54	0.013495	1.37	1.49	4.40	0.75
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP03H	19.35	35.82	37.51		37.83	0.010779	2.51	7.70	7.15	0.77
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP06H	11.46	35.82	37.14		37.39	0.011284	2.20	5.21	6.26	0.77
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP06H	7.52	35.82	36.91		37.11	0.011631	1.96	3.83	5.69	0.76
Rio Grande	Grande0	42.364	Max WS	IC_TR030_TP09H	5.26	35.82	36.75		36.91	0.012046	1.78	2.95	5.26	0.76
Rio Grande	Grande0	42.364	Max WS	IC_TR200_TP09H	8.28	35.82	36.96		37.17	0.011493	2.01	4.12	5.82	0.76
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP18H	3.62	35.22	36.05		36.19	0.011756	1.62	2.23	4.44	0.73
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP18H	2.03	35.22	35.87		35.97	0.011901	1.37	1.48	3.89	0.71
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP24H	2.81	35.22	35.97		36.09	0.011812	1.50	1.87	4.24	0.72
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP24H	1.48	35.22	35.79		35.87	0.012146	1.26	1.17	3.58	0.70
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP36H	1.91	35.22	35.86		35.95	0.011805	1.34	1.42	3.83	0.70
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP36H	1.01	35.22	35.71		35.77	0.012390	1.13	0.89	3.27	0.69
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP01H	17.35	35.22	36.94		37.24	0.010383	2.45	7.09	6.51	0.75
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP01H	26.62	35.22	37.35		37.71	0.009588	2.66	9.99	7.45	0.73
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP03H	2.03	35.22	35.87		35.97	0.011901	1.37	1.48	3.89	0.71
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP03H	19.35	35.22	37.03		37.35	0.010247	2.51	7.72	6.72	0.75
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP06H	11.46	35.22	36.62		36.87	0.011017	2.23	5.15	5.80	0.75
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP06H	7.52	35.22	36.36		36.57	0.011746	2.02	3.72	5.20	0.76
Rio Grande	Grande0	42.273	Max WS	IC_TR030_TP09H	5.26	35.22	36.19		36.36	0.011915	1.83	2.88	4.79	0.75
Rio Grande	Grande0	42.273	Max WS	IC_TR200_TP09H	8.28	35.22	36.42		36.63	0.011546	2.06	4.02	5.34	0.76
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP18H	3.62	34.62	35.46		35.62	0.013146	1.75	2.07	3.90	0.76
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP18H	2.03	34.62	35.26		35.38	0.014287	1.53	1.33	3.31	0.77
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP24H	2.81	34.62	35.36		35.50	0.013829	1.66	1.70	3.62	0.77
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP24H	1.48	34.62	35.17		35.27	0.014684	1.41	1.05	3.05	0.77
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP36H	1.91	34.62	35.24		35.35	0.014328	1.50	1.27	3.25	0.77
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP36H	1.04	34.62	35.09		35.17	0.014784	1.27	0.82	2.81	0.75
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP01H	17.34	34.62	36.48		36.78	0.009661	2.42	7.17	6.09	0.71
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP01H	26.57	34.62	36.80		37.22	0.011441	2.89	9.20	6.58	0.78
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP03H	2.03	34.62	35.26		35.38	0.014287	1.53	1.33	3.31	0.77
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP03H	19.35	34.62	36.58		36.90	0.009579	2.48	7.80	6.30	0.71
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP06H	11.45	34.62	36.14		36.38	0.010151	2.20	5.20	5.36	0.71
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP06H	7.51	34.62	35.86		36.06	0.010454	1.98	3.79	4.78	0.71
Rio Grande	Grande0	42.182	Max WS	IC_TR030_TP09H	5.26	34.62	35.64		35.82	0.011715	1.87	2.81	4.30	0.74
Rio Grande	Grande0	42.182	Max WS	IC_TR200_TP09H	8.27	34.62	35.92		36.13	0.010306	2.03	4.08	4.91	0.71
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP18H	3.62	34.02	35.02		35.13	0.007577	1.48	2.45	3.64	0.58
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP18H	2.03	34.02	34.74		34.83	0.009365	1.36	1.49	3.02	0.62
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP24H	2.81	34.02	34.89		34.99	0.008336	1.43	1.97	3.36	0.60
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP24H	1.48	34.02	34.62		34.70	0.010384	1.29	1.14	2.75	0.64
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP36H	1.91	34.02	34.71		34.80	0.009603	1.35	1.41	2.96	0.63
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP36H	1.04	34.02	34.51		34.58	0.011635	1.21	0.85	2.51	0.66
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP01H	17.33	34.02	36.04		36.34	0.009415	2.43	7.15	5.49	0.68
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP01H	25.08	34.02	36.25		36.72	0.012904	3.02	8.30	5.49	0.78
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP03H	2.03	34.02	34.74		34.83	0.009365	1.36	1.49	3.02	0.62
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP03H	19.33	34.02	36.11		36.44	0.010101	2.57	7.53	5.49	0.70
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP06H	11.43	34.02	35.73		35.95	0.008267	2.07	5.52	5.01	0.63
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP06H	7.50	34.02	35.52		35.66	0.006234	1.67	4.48	4.60	0.54
Rio Grande	Grande0	42.091	Max WS	IC_TR030_TP09H	5.25	34.02	35.26		35.38	0.006631	1.56	3.37	4.11	0.55
Rio Grande	Grande0	42.091	Max WS	IC_TR200_TP09H	8.25	34.02	35.57		35.72	0.006563	1.75	4.72	4.70	0.56
Rio Grande	Grande0	42	Max WS	IC_TR200_TP18H	3.62	33.42	34.83		34.88	0.002635	1.02	3.56	3.71	0.33
Rio Grande	Grande0	42	Max WS	IC_TR030_TP18H	2.03	33.42	34.51		34.55	0.002236	0.83	2.46	3.18	0.30
Rio Grande	Grande0	42	Max WS	IC_TR200_TP24H	2.81	33.42	34.68		34.72	0.002458	0.93	3.02	3.46	0.32
Rio Grande	Grande0	42	Max WS	IC_TR030_TP24H	1.48	33.42	34.37		34.40	0.001966	0.73	2.04	2.95	0.28
Rio Grande	Grande0	42	Max WS	IC_TR200_TP36H	1.91	33.42	34.48		34.51	0.002188	0.81	2.37	3.13	0.30
Rio Grande	Grande0	42	Max WS	IC_TR030_TP36H	1.03	33.42	34.24		34.26	0.001662	0.62	1.66	2.73	0.25
Rio Grande	Grande0	42	Max WS	IC_TR030_TP01H	14.95	33.42	35.47		35.76	0.009950	2.40	6.22	4.40	0.65
Rio Grande	Grande0	42	Max WS	IC_TR200_TP01H	21.77	33.42	35.50		36.10	0.019940	3.43	6.35	4.40	0.91
Rio Grande	Grande0	42	Max WS	IC_TR030_TP03H	2.03	33.42	34.51		34.55	0.002236	0.83	2.46	3.18	0.30
Rio Grande	Grande0	42	Max WS											

River	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
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP18H	3.62	33.31	34.62		34.69	0.003891	1.18	3.07	3.61	0.41
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP18H	2.03	33.31	34.32		34.37	0.003580	0.98	2.07	3.09	0.38
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP24H	2.81	33.31	34.48		34.54	0.003740	1.09	2.59	3.37	0.40
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP24H	1.48	33.31	34.20		34.24	0.003143	0.86	1.72	2.88	0.36
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP36H	1.91	33.31	34.29		34.34	0.003521	0.96	1.99	3.04	0.38
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP36H	1.03	33.31	34.10		34.12	0.002501	0.72	1.43	2.71	0.31
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP01H	11.55	33.31	35.31		35.50	0.006542	1.93	5.98	4.48	0.53
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP01H	14.06	33.31	35.33		35.61	0.009326	2.32	6.07	4.48	0.64
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP03H	2.03	33.31	34.32		34.37	0.003580	0.98	2.07	3.09	0.38
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP03H	11.98	33.31	35.33		35.53	0.006805	1.98	6.06	4.48	0.54
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP06H	8.85	33.31	35.26		35.38	0.004324	1.54	5.73	4.48	0.44
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP06H	7.30	33.31	35.11		35.21	0.004202	1.45	5.05	4.46	0.43
Rio Grande	Grande0	41.666	Max WS	IC TR030 TP09H	5.25	33.31	34.86		34.94	0.004080	1.32	3.99	4.02	0.42
Rio Grande	Grande0	41.666	Max WS	IC TR200 TP09H	7.73	33.31	35.14		35.25	0.004319	1.48	5.21	4.48	0.44
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP18H	4.22	33.29	34.57		34.66	0.004831	1.33	3.18	3.51	0.45
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP18H	2.43	33.29	34.28		34.34	0.004132	1.09	2.23	3.05	0.41
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP24H	3.32	33.29	34.43		34.51	0.004520	1.22	2.72	3.30	0.43
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP24H	1.86	33.29	34.16		34.21	0.003821	0.98	1.89	2.87	0.39
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP36H	2.29	33.29	34.25		34.31	0.004056	1.06	2.15	3.01	0.40
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP36H	1.43	33.29	34.06		34.10	0.003532	0.89	1.60	2.71	0.37
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP01H	11.49	33.29	35.28		35.46	0.006333	1.89	6.07	4.55	0.52
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP01H	12.73	33.29	35.33		35.54	0.007007	2.02	6.30	4.58	0.55
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP03H	2.43	33.29	34.28		34.34	0.004132	1.09	2.23	3.05	0.41
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP03H	11.94	33.29	35.30		35.49	0.006534	1.93	6.17	4.56	0.53
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP06H	10.16	33.29	35.18		35.34	0.006161	1.81	5.60	4.47	0.52
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP06H	8.44	33.29	35.03		35.18	0.005841	1.70	4.97	4.24	0.50
Rio Grande	Grande1	41.4	Max WS	IC TR030 TP09H	6.08	33.29	34.80		34.91	0.005337	1.51	4.02	3.87	0.47
Rio Grande	Grande1	41.4	Max WS	IC TR200 TP09H	8.85	33.29	35.07		35.22	0.005933	1.73	5.12	4.30	0.51
Rio Grande	Grande1	41.35		Lat Struct										
Rio Grande	Grande1	41.34		Lat Struct										
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP18H	4.22	33.26	34.50		34.60	0.005459	1.39	3.04	3.45	0.47
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP18H	2.43	33.26	34.22		34.29	0.004567	1.13	2.15	3.01	0.43
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP24H	3.32	33.26	34.37		34.45	0.005063	1.27	2.61	3.24	0.45
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP24H	1.86	33.26	34.11		34.17	0.004166	1.02	1.83	2.84	0.40
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP36H	2.29	33.26	34.20		34.26	0.004468	1.10	2.08	2.97	0.42
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP36H	1.43	33.26	34.02		34.06	0.003793	0.91	1.56	2.68	0.38
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP01H	11.47	33.26	35.17		35.38	0.007391	2.00	5.73	4.50	0.57
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP01H	12.52	33.26	35.23		35.46	0.007737	2.08	6.01	4.54	0.58
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP03H	2.43	33.26	34.22		34.29	0.004567	1.13	2.15	3.01	0.43
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP03H	11.86	33.26	35.20		35.41	0.007471	2.03	5.85	4.52	0.57
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP06H	10.14	33.26	35.07		35.26	0.007169	1.92	5.29	4.36	0.56
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP06H	8.43	33.26	34.94		35.10	0.006746	1.79	4.71	4.14	0.54
Rio Grande	Grande1	41.3	Max WS	IC TR030 TP09H	6.07	33.26	34.71		34.84	0.006093	1.59	3.82	3.79	0.51
Rio Grande	Grande1	41.3	Max WS	IC TR200 TP09H	8.83	33.26	34.97		35.14	0.006857	1.82	4.84	4.19	0.54
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP18H	4.22	33.25	34.44		34.55	0.006390	1.47	2.86	3.36	0.51
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP18H	2.43	33.25	34.18		34.25	0.005276	1.19	2.04	2.95	0.46
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP24H	3.32	33.25	34.32		34.41	0.005889	1.34	2.47	3.17	0.49
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP24H	1.86	33.25	34.07		34.13	0.004785	1.07	1.74	2.79	0.43
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP36H	2.29	33.25	34.15		34.22	0.005148	1.16	1.97	2.92	0.45
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP36H	1.43	33.25	33.98		34.03	0.004314	0.96	1.49	2.64	0.41
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP01H	11.47	33.25	35.07		35.31	0.008978	2.15	5.33	4.37	0.62
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP01H	12.46	33.25	35.14		35.39	0.009261	2.22	5.60	4.47	0.63
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP03H	2.43	33.25	34.18		34.25	0.005276	1.19	2.04	2.95	0.46
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP03H	11.85	33.25	35.10		35.34	0.009088	2.18	5.44	4.41	0.63
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP06H	10.13	33.25	34.98		35.20	0.008635	2.06	4.92	4.22	0.61
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP06H	8.43	33.25	34.85		35.04	0.008064	1.92	4.40	4.02	0.58
Rio Grande	Grande1	41.200	Max WS	IC TR030 TP09H	6.07	33.25	34.64		34.79	0.007205	1.69	3.59	3.69	0.55
Rio Grande	Grande1	41.200	Max WS	IC TR200 TP09H	8.82	33.25	34.88		35.08	0.008210	1.95	4.52	4.07	0.59
Rio Grande	Grande1	41	Max WS	IC TR200 TP18H	4.22	33.23	34.09		34.32	0.018072	2.14	1.97	3.16	0.87
Rio Grande	Grande1	41	Max WS	IC TR030 TP18H	2.43	33.23	33.87		34.04	0.017356	1.82	1.34	2.74	0.83
Rio Grande	Grande1	41	Max WS	IC TR200 TP24H	3.32	33.23	33.98		34.19	0.017773	2.00	1.66	2.96	0.85
Rio Grande	Grande1	41	Max WS	IC TR030 TP24H	1.86	33.23	33.78		33.93	0.017136	1.68	1.11	2.57	0.81
Rio Grande	Grande1	41	Max WS	IC TR200 TP36H	2.29	33.23	33.85		34.01	0.017189	1.78	1.29	2.70	0.82
Rio Grande	Grande1	41	Max WS	IC TR030 TP36H	1.43	33.23	33.71		33.83	0.016982	1.55	0.92	2.42	0.80
Rio Grande	Grande1	41	Max WS	IC TR030 TP01H	11.47	33.23	34.65		35.06	0.018560	2.81	4.09	4.28	0.92
Rio Grande	Grande1	41	Max WS	IC TR200 TP01H	12.45	33.23	34.71		35.13	0.018536	2.86	4.35	4.40	0.92
Rio Grande	Grande1	41	Max WS	IC TR030 TP03H	2.43	33.23	33.87		34.04	0.017356	1.82	1.34	2.74	0.83
Rio Grande	Grande1	41	Max WS	IC TR200 TP03H	11.85	33.23	34.68		35.09	0.018558	2.83	4.19	4.32	0.92
Rio Grande	Grande1	41	Max WS	IC TR200 TP06H	10.12	33.23	34.56		34.94	0.018689	2.72	3.71	4.10	0.91
Rio Grande	Grande1	41	Max WS	IC TR030 TP06H	8.42	33.23	34.45		34.79	0.018622	2.60	3.24	3.87	0.91
Rio Grande	Grande1	41	Max WS	IC TR030 TP09H	6.07	33.23	34.26		34.55	0.018415	2.37	2.56	3.51	0.89
Rio Grande	Grande1	41	Max WS	IC TR200 TP09H	8.81	33.23	34.48		34.83	0.018658	2.63	3.35	3.93	0.91
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP18H	4.22	32.99	33.96		34.10	0.009353	1.66	2.54	3.85	0.65
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP18H	2.43	32.99	33.73		33.83	0.009050	1.40	1.73	3.39	0.63
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP24H	3.32	32.99	33.85		33.97	0.009224	1.55	2.15	3.63	0.64
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP24H	1.86	32.99	33.64		33.73	0.008924	1.29	1.44	3.18	0.62
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP36H	2.29	32.99	33.71		33.81	0.009013	1.38	1.66	3.35	0.62
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP36H	1.43	32.99	33.57		33.64	0.008754	1.19	1.20	2.99	0.60
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP01H	11.47	32.99	34.55		34.80	0.009901	2.21	5.18	5.08	0.70
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP01H	12.44	32.99	34.61		34.87	0.009942	2.26	5.51	5.23	0.70
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP03H	2.43	32.99	33.73		33.83	0.009050	1.40	1.73	3.39	0.63
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP03H	11.85	32.99	34.57		34.83	0.009921	2.23	5.31	5.14	0.70
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP06H	10.10	32.99	34.45		34.69	0.009853	2.14	4.72	4.85	0.69
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP06H	8.42	32.99	34.33		34.54	0.009741	2.03	4.14	4.61	0.69
Rio Grande	Grande1	40.8	Max WS	IC TR030 TP09H	6.07	32.99	34.14		34.31	0.009563	1.85	3.28	4.23	0.67
Rio Grande	Grande1	40.8	Max WS	IC TR200 TP09H	8.80	32.99	34.36		34.58	0.009776	2.06	4		

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP24H	3.32	32.46	33.21		33.37	0.007519	1.75	1.90	3.62	0.77
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP24H	1.86	32.46	33.03		33.14	0.007477	1.47	1.26	3.17	0.75
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP36H	2.29	32.46	33.09		33.21	0.007431	1.56	1.47	3.33	0.75
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP36H	1.43	32.46	32.96		33.05	0.007448	1.36	1.05	2.98	0.73
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP01H	11.46	32.46	33.85		34.17	0.007627	2.50	4.59	4.80	0.81
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP01H	12.44	32.46	33.91		34.24	0.007620	2.55	4.88	4.91	0.82
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP03H	2.43	32.46	33.11		33.24	0.007486	1.59	1.53	3.38	0.76
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP03H	11.85	32.46	33.87		34.20	0.007623	2.52	4.71	4.84	0.82
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP06H	10.08	32.46	33.76		34.06	0.007628	2.41	4.18	4.64	0.81
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP06H	8.41	32.46	33.65		33.92	0.007642	2.29	3.67	4.45	0.81
Rio Grande	Grande1	40.533	Max WS	IC TR030 TP09H	6.07	32.46	33.47		33.70	0.007584	2.08	2.91	4.14	0.79
Rio Grande	Grande1	40.533	Max WS	IC TR200 TP09H	8.79	32.46	33.68		33.95	0.007622	2.32	3.79	4.50	0.81
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP18H	4.22	32.19	33.02		33.20	0.007550	1.87	2.26	3.87	0.78
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP18H	2.43	32.19	32.82		32.95	0.007469	1.58	1.54	3.44	0.76
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP24H	3.32	32.19	32.93		33.08	0.007506	1.74	1.91	3.69	0.77
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP24H	1.86	32.19	32.74		32.85	0.007539	1.47	1.27	3.22	0.75
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP36H	2.29	32.19	32.81		32.93	0.007491	1.56	1.47	3.40	0.75
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP36H	1.43	32.19	32.67		32.77	0.007599	1.36	1.05	3.03	0.74
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP01H	11.46	32.19	33.56		33.88	0.007624	2.50	4.59	4.78	0.81
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP01H	12.43	32.19	33.62		33.95	0.007614	2.55	4.87	4.88	0.82
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP03H	2.43	32.19	32.82		32.95	0.007468	1.58	1.54	3.44	0.76
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP03H	11.85	32.19	33.58		33.91	0.007623	2.52	4.70	4.82	0.82
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP06H	10.08	32.19	33.47		33.77	0.007632	2.41	4.18	4.63	0.81
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP06H	8.40	32.19	33.36		33.63	0.007642	2.29	3.67	4.45	0.81
Rio Grande	Grande1	40.400	Max WS	IC TR030 TP09H	6.07	32.19	33.18		33.41	0.007619	2.08	2.91	4.17	0.80
Rio Grande	Grande1	40.400	Max WS	IC TR200 TP09H	8.79	32.19	33.39		33.66	0.007635	2.32	3.79	4.50	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP18H	4.22	31.93	32.73		32.91	0.007595	1.86	2.27	3.92	0.78
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP18H	2.43	31.93	32.54		32.67	0.007477	1.57	1.55	3.50	0.76
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP24H	3.32	31.93	32.64		32.80	0.007539	1.73	1.92	3.76	0.77
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP24H	1.86	31.93	32.46		32.57	0.007407	1.45	1.28	3.28	0.74
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP36H	2.29	31.93	32.52		32.64	0.007507	1.55	1.48	3.45	0.75
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP36H	1.42	31.93	32.39		32.49	0.007426	1.34	1.06	3.08	0.73
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP01H	11.46	31.93	33.27		33.59	0.007607	2.50	4.59	4.76	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP01H	12.43	31.93	33.33		33.66	0.007611	2.55	4.87	4.86	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP03H	2.43	31.93	32.54		32.67	0.007477	1.57	1.55	3.50	0.76
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP03H	11.85	31.93	33.29		33.62	0.007615	2.52	4.70	4.80	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP06H	10.08	31.93	33.18		33.48	0.007612	2.41	4.18	4.62	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP06H	8.40	31.93	33.07		33.34	0.007632	2.29	3.67	4.46	0.81
Rio Grande	Grande1	40.267	Max WS	IC TR030 TP09H	6.07	31.93	32.89		33.11	0.007638	2.08	2.92	4.20	0.80
Rio Grande	Grande1	40.267	Max WS	IC TR200 TP09H	8.79	31.93	33.10		33.37	0.007633	2.32	3.79	4.49	0.81
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP18H	4.22	31.66	32.44		32.62	0.007679	1.86	2.27	3.96	0.78
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP18H	2.43	31.66	32.25		32.38	0.007785	1.58	1.53	3.54	0.77
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP24H	3.32	31.66	32.35		32.51	0.007720	1.73	1.92	3.81	0.78
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP24H	1.86	31.66	32.17		32.28	0.007893	1.47	1.26	3.29	0.76
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP36H	2.29	31.66	32.23		32.36	0.007836	1.56	1.47	3.49	0.77
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP36H	1.42	31.66	32.10		32.19	0.008077	1.38	1.03	3.06	0.76
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP01H	11.46	31.66	33.06		33.30	0.007594	2.49	4.60	4.73	0.81
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP01H	12.43	31.66	33.04		33.37	0.007564	2.55	4.88	4.82	0.81
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP03H	2.43	31.66	32.25		32.38	0.007785	1.58	1.53	3.54	0.77
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP03H	11.85	31.66	33.00		33.33	0.007588	2.51	4.71	4.77	0.81
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP06H	10.08	31.66	32.89		33.19	0.007573	2.40	4.20	4.61	0.80
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP06H	8.40	31.66	32.78		33.04	0.007601	2.28	3.68	4.45	0.80
Rio Grande	Grande1	40.133	Max WS	IC TR030 TP09H	6.07	31.66	32.60		32.82	0.007647	2.07	2.93	4.21	0.79
Rio Grande	Grande1	40.133	Max WS	IC TR200 TP09H	8.79	31.66	32.81		33.08	0.007592	2.31	3.80	4.49	0.80
Rio Grande	Grande1	40	Max WS	IC TR200 TP18H	4.22	31.40	32.17		32.33	0.007263	1.81	2.33	4.02	0.76
Rio Grande	Grande1	40	Max WS	IC TR030 TP18H	2.43	31.40	31.99		32.10	0.006597	1.47	1.65	3.71	0.71
Rio Grande	Grande1	40	Max WS	IC TR200 TP24H	3.32	31.40	32.08		32.22	0.006959	1.66	2.00	3.88	0.74
Rio Grande	Grande1	40	Max WS	IC TR030 TP24H	1.86	31.40	31.94		32.02	0.005317	1.27	1.46	3.51	0.63
Rio Grande	Grande1	40	Max WS	IC TR200 TP36H	2.29	31.40	31.98		32.08	0.006312	1.43	1.60	3.66	0.69
Rio Grande	Grande1	40	Max WS	IC TR030 TP36H	1.42	31.40	31.88		31.95	0.004566	1.12	1.27	3.29	0.58
Rio Grande	Grande1	40	Max WS	IC TR030 TP01H	11.46	31.40	32.69		33.01	0.007555	2.48	4.62	4.68	0.80
Rio Grande	Grande1	40	Max WS	IC TR200 TP01H	12.43	31.40	32.74		33.08	0.007796	2.57	4.84	4.74	0.81
Rio Grande	Grande1	40	Max WS	IC TR030 TP03H	2.43	31.40	31.99		32.10	0.006597	1.47	1.65	3.71	0.71
Rio Grande	Grande1	40	Max WS	IC TR200 TP03H	11.85	31.40	32.71		33.03	0.007643	2.52	4.71	4.71	0.80
Rio Grande	Grande1	40	Max WS	IC TR200 TP06H	10.08	31.40	32.61		32.90	0.007323	2.37	4.26	4.59	0.78
Rio Grande	Grande1	40	Max WS	IC TR030 TP06H	8.39	31.40	32.50		32.76	0.007244	2.23	3.76	4.45	0.78
Rio Grande	Grande1	40	Max WS	IC TR030 TP09H	6.07	31.40	32.33		32.54	0.007292	2.03	2.99	4.23	0.77
Rio Grande	Grande1	40	Max WS	IC TR200 TP09H	8.79	31.40	32.53		32.79	0.007237	2.26	3.88	4.48	0.78
Rio Grande	Grande1	39	Max WS	IC TR200 TP18H	4.22	31.21	31.86	31.86	32.11	0.013023	2.21	1.91	3.92	1.01
Rio Grande	Grande1	39	Max WS	IC TR030 TP18H	2.43	31.21	31.68	31.68	31.87	0.013756	1.92	1.27	3.40	1.00
Rio Grande	Grande1	39	Max WS	IC TR200 TP24H	3.32	31.21	31.77	31.78	31.99	0.013609	2.09	1.58	3.67	1.02
Rio Grande	Grande1	39	Max WS	IC TR030 TP24H	1.86	31.21	31.62	31.61	31.78	0.013626	1.76	1.05	3.20	0.98
Rio Grande	Grande1	39	Max WS	IC TR200 TP36H	2.29	31.21	31.67	31.66	31.85	0.013775	1.89	1.21	3.35	1.00
Rio Grande	Grande1	39	Max WS	IC TR030 TP36H	1.42	31.21	31.56	31.55	31.69	0.012957	1.60	0.89	3.05	0.94
Rio Grande	Grande1	39	Max WS	IC TR030 TP01H	11.46	31.21	32.38		32.74	0.009852	2.69	4.26	4.93	0.93
Rio Grande	Grande1	39	Max WS	IC TR200 TP01H	12.43	31.21	32.44		32.82	0.009382	2.71	4.59	5.03	0.91
Rio Grande	Grande1	39	Max WS	IC TR030 TP03H	2.43	31.21	31.68	31.68	31.87	0.013757	1.92	1.27	3.40	1.00
Rio Grande	Grande1	39	Max WS	IC TR200 TP03H	11.85	31.21	32.40		32.77	0.009660	2.70	4.39	4.97	0.92
Rio Grande	Grande1	39	Max WS	IC TR200 TP06H	10.08	31.21	32.28	32.25	32.64	0.010452	2.64	3.81	4.80	0.95
Rio Grande	Grande1	39	Max WS	IC TR030 TP06H	8.39	31.21	32.17	32.15	32.50	0.011113	2.55	3.28	4.65	0.97
Rio Grande	Grande1	39	Max WS	IC TR030 TP09H	6.07	31.21	32.01	32.01	32.30	0.012055	2.37	2.56	4.42	1.00
Rio Grande	Grande1	39	Max WS	IC TR200 TP09H	8.79	31.21	32.20	32.18	32.54	0.010964	2.58	3.41	4.68	0.97
Rio Grande	Grande1	38	Max WS	IC TR200 TP18H	4.22	30.86	31.52		31.70	0.008524	1.91	2.21	3.93	0.81
Rio Grande	Grande1	38	Max WS	IC TR030 TP18H	2.43	30.86	31.30		31.46	0.011666	1.77	1.37	3.65	0.92
Rio Grande	Grande1	38	Max WS	IC TR200 TP24H	3									



River	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
Rio Grande	Grande1	37	Max WS	IC TR030 TP03H	2.43	30.32	31.09		31.19	0.004895	1.42	1.71	2.97	0.60
Rio Grande	Grande1	37	Max WS	IC TR200 TP03H	11.85	30.32	32.08		32.34	0.005562	2.29	5.18	3.97	0.64
Rio Grande	Grande1	37	Max WS	IC TR200 TP06H	10.08	30.32	31.94		32.18	0.005450	2.18	4.63	3.86	0.64
Rio Grande	Grande1	37	Max WS	IC TR030 TP06H	8.38	30.32	31.79		32.00	0.005334	2.06	4.07	3.71	0.63
Rio Grande	Grande1	37	Max WS	IC TR030 TP09H	6.07	30.32	31.56		31.74	0.005153	1.87	3.25	3.49	0.62
Rio Grande	Grande1	37	Max WS	IC TR200 TP09H	8.79	30.32	31.82		32.05	0.005361	2.09	4.20	3.75	0.63
Rio Grande	Grande1	36	Max WS	IC TR200 TP18H	4.22	30.19	31.21		31.34	0.004416	1.60	2.65	3.17	0.56
Rio Grande	Grande1	36	Max WS	IC TR030 TP18H	2.43	30.19	30.97		31.05	0.003635	1.27	1.91	2.94	0.51
Rio Grande	Grande1	36	Max WS	IC TR200 TP24H	3.32	30.19	31.10		31.21	0.004044	1.45	2.29	3.04	0.53
Rio Grande	Grande1	36	Max WS	IC TR030 TP24H	1.86	30.19	30.88		30.94	0.003267	1.14	1.64	2.82	0.48
Rio Grande	Grande1	36	Max WS	IC TR200 TP36H	2.29	30.19	30.95		31.03	0.003550	1.24	1.84	2.91	0.50
Rio Grande	Grande1	36	Max WS	IC TR030 TP36H	1.42	30.19	30.79		30.85	0.002933	1.01	1.41	2.72	0.45
Rio Grande	Grande1	36	Max WS	IC TR030 TP01H	11.46	30.19	31.85		32.13	0.006161	2.34	4.90	3.90	0.67
Rio Grande	Grande1	36	Max WS	IC TR200 TP01H	12.42	30.19	31.92		32.21	0.006321	2.41	5.16	3.97	0.67
Rio Grande	Grande1	36	Max WS	IC TR030 TP03H	2.43	30.19	30.97		31.05	0.003636	1.27	1.91	2.94	0.51
Rio Grande	Grande1	36	Max WS	IC TR200 TP03H	11.85	30.19	31.88		32.16	0.006221	2.37	5.01	3.93	0.67
Rio Grande	Grande1	36	Max WS	IC TR200 TP06H	10.08	30.19	31.75		32.01	0.005915	2.23	4.52	3.79	0.65
Rio Grande	Grande1	36	Max WS	IC TR030 TP06H	8.38	30.19	31.62		31.84	0.005582	2.06	4.03	3.64	0.63
Rio Grande	Grande1	36	Max WS	IC TR030 TP09H	6.07	30.19	31.41		31.58	0.005015	1.84	3.30	3.40	0.60
Rio Grande	Grande1	36	Max WS	IC TR200 TP09H	8.78	30.19	31.65		31.88	0.005663	2.12	4.15	3.68	0.64
Rio Grande	Grande1	35	Max WS	IC TR200 TP18H	4.22	30.17	30.95		31.15	0.008277	1.97	2.15	3.29	0.78
Rio Grande	Grande1	35	Max WS	IC TR030 TP18H	2.43	30.17	30.73		30.87	0.008166	1.66	1.46	2.99	0.76
Rio Grande	Grande1	35	Max WS	IC TR200 TP24H	3.32	30.17	30.85		31.02	0.008212	1.83	1.82	3.15	0.77
Rio Grande	Grande1	35	Max WS	IC TR030 TP24H	1.86	30.17	30.65		30.77	0.008302	1.53	1.21	2.88	0.75
Rio Grande	Grande1	35	Max WS	IC TR200 TP36H	2.29	30.17	30.72		30.85	0.008171	1.63	1.41	2.97	0.76
Rio Grande	Grande1	35	Max WS	IC TR030 TP36H	1.42	30.17	30.58		30.68	0.008313	1.40	1.02	2.78	0.74
Rio Grande	Grande1	35	Max WS	IC TR030 TP01H	11.46	30.17	31.56		31.91	0.008396	2.81	4.40	4.10	0.80
Rio Grande	Grande1	35	Max WS	IC TR200 TP01H	12.42	30.17	31.62		31.99	0.008449	2.87	4.65	4.18	0.81
Rio Grande	Grande1	35	Max WS	IC TR030 TP03H	2.43	30.17	30.73		30.87	0.008166	1.66	1.46	2.99	0.76
Rio Grande	Grande1	35	Max WS	IC TR200 TP03H	11.85	30.17	31.59		31.94	0.008430	2.63	4.50	4.13	0.81
Rio Grande	Grande1	35	Max WS	IC TR200 TP06H	10.08	30.17	31.46		31.79	0.008400	2.52	4.00	3.97	0.80
Rio Grande	Grande1	35	Max WS	IC TR030 TP06H	8.38	30.17	31.33		31.63	0.008378	2.40	3.50	3.80	0.80
Rio Grande	Grande1	35	Max WS	IC TR030 TP09H	6.07	30.17	31.14		31.38	0.008310	2.18	2.78	3.54	0.79
Rio Grande	Grande1	35	Max WS	IC TR200 TP09H	8.78	30.17	31.36		31.66	0.008387	2.43	3.62	3.84	0.80
Rio Grande	Grande1	34	Max WS	IC TR200 TP18H	4.22	29.98	30.71	30.64	30.94	0.010056	2.11	2.00	3.23	0.85
Rio Grande	Grande1	34	Max WS	IC TR030 TP18H	2.43	29.98	30.50	30.45	30.67	0.010188	1.79	1.36	2.95	0.84
Rio Grande	Grande1	34	Max WS	IC TR200 TP24H	3.32	29.98	30.61	30.55	30.81	0.010157	1.97	1.69	3.09	0.85
Rio Grande	Grande1	34	Max WS	IC TR030 TP24H	1.86	29.98	30.43	30.38	30.56	0.010100	1.64	1.13	2.84	0.83
Rio Grande	Grande1	34	Max WS	IC TR200 TP36H	2.29	29.98	30.49	30.43	30.64	0.010195	1.76	1.30	2.92	0.84
Rio Grande	Grande1	34	Max WS	IC TR030 TP36H	1.42	29.98	30.36	30.31	30.47	0.010425	1.52	0.94	2.74	0.83
Rio Grande	Grande1	34	Max WS	IC TR200 TP01H	11.46	29.98	31.30	31.20	31.69	0.009890	2.77	4.14	4.01	0.87
Rio Grande	Grande1	34	Max WS	IC TR200 TP01H	12.42	29.98	31.37	31.26	31.77	0.009820	2.82	4.40	4.10	0.87
Rio Grande	Grande1	34	Max WS	IC TR030 TP03H	2.43	29.98	30.50	30.45	30.67	0.010188	1.79	1.36	2.95	0.84
Rio Grande	Grande1	34	Max WS	IC TR200 TP03H	11.85	29.98	31.33	31.22	31.73	0.009872	2.79	4.24	4.05	0.87
Rio Grande	Grande1	34	Max WS	IC TR200 TP06H	10.08	29.98	31.21	31.11	31.57	0.009873	2.67	3.77	3.89	0.87
Rio Grande	Grande1	34	Max WS	IC TR030 TP06H	8.38	29.98	31.08	30.99	31.41	0.009919	2.55	3.29	3.72	0.87
Rio Grande	Grande1	34	Max WS	IC TR030 TP09H	6.07	29.98	30.89	30.81	31.17	0.009996	2.33	2.60	3.47	0.86
Rio Grande	Grande1	34	Max WS	IC TR200 TP09H	8.78	29.98	31.11	31.02	31.45	0.009898	2.58	3.41	3.77	0.87
Rio Grande	Grande1	33.5			Bridge									
Rio Grande	Grande1	33	Max WS	IC TR200 TP18H	4.22	29.37	30.09		30.25	0.006588	1.77	2.38	4.60	0.79
Rio Grande	Grande1	33	Max WS	IC TR030 TP18H	2.43	29.37	29.90		30.02	0.006808	1.53	1.59	3.96	0.77
Rio Grande	Grande1	33	Max WS	IC TR200 TP24H	3.32	29.37	30.00		30.14	0.006674	1.66	1.99	4.29	0.78
Rio Grande	Grande1	33	Max WS	IC TR030 TP24H	1.86	29.37	29.83		29.93	0.006932	1.42	1.31	3.71	0.76
Rio Grande	Grande1	33	Max WS	IC TR200 TP36H	2.29	29.37	29.88		30.00	0.006818	1.50	1.52	3.90	0.77
Rio Grande	Grande1	33	Max WS	IC TR030 TP36H	1.42	29.37	29.76		29.85	0.007069	1.32	1.08	3.49	0.76
Rio Grande	Grande1	33	Max WS	IC TR030 TP01H	11.46	29.37	30.65		30.89	0.004550	2.18	5.26	5.61	0.70
Rio Grande	Grande1	33	Max WS	IC TR200 TP01H	12.42	29.37	30.71		30.96	0.004307	2.21	5.61	5.71	0.69
Rio Grande	Grande1	33	Max WS	IC TR030 TP03H	2.43	29.37	29.90		30.02	0.006808	1.53	1.59	3.96	0.77
Rio Grande	Grande1	33	Max WS	IC TR200 TP03H	11.85	29.37	30.67		30.92	0.004430	2.19	5.41	5.65	0.70
Rio Grande	Grande1	33	Max WS	IC TR200 TP06H	10.08	29.37	30.55		30.78	0.004987	2.13	4.73	5.46	0.72
Rio Grande	Grande1	33	Max WS	IC TR030 TP06H	8.38	29.37	30.42		30.64	0.005542	2.06	4.07	5.28	0.75
Rio Grande	Grande1	33	Max WS	IC TR030 TP09H	6.07	29.37	30.24		30.43	0.006171	1.93	3.15	5.03	0.78
Rio Grande	Grande1	33	Max WS	IC TR200 TP09H	8.78	29.37	30.45		30.67	0.005408	2.08	4.22	5.33	0.74
Rio Grande	Grande1	32.99			Lat Struct									
Rio Grande	Grande1	32.98			Lat Struct									
Rio Grande	Grande1	32	Max WS	IC TR200 TP18H	4.22	29.19	29.95		30.08	0.005199	1.63	2.60	4.76	0.70
Rio Grande	Grande1	32	Max WS	IC TR030 TP18H	2.43	29.19	29.76		29.86	0.005096	1.38	1.76	4.10	0.67
Rio Grande	Grande1	32	Max WS	IC TR200 TP24H	3.32	29.19	29.86		29.98	0.005175	1.52	2.19	4.45	0.69
Rio Grande	Grande1	32	Max WS	IC TR030 TP24H	1.86	29.19	29.68		29.77	0.005036	1.27	1.46	3.85	0.66
Rio Grande	Grande1	32	Max WS	IC TR200 TP36H	2.29	29.19	29.74		29.84	0.005092	1.36	1.69	4.04	0.67
Rio Grande	Grande1	32	Max WS	IC TR030 TP36H	1.42	29.19	29.62		29.69	0.005126	1.18	1.20	3.62	0.65
Rio Grande	Grande1	32	Max WS	IC TR030 TP01H	11.46	29.19	30.57		30.77	0.003531	1.93	5.93	5.78	0.61
Rio Grande	Grande1	32	Max WS	IC TR200 TP01H	12.42	29.19	30.65		30.84	0.003416	1.96	6.35	5.89	0.60
Rio Grande	Grande1	32	Max WS	IC TR030 TP03H	2.43	29.19	29.76		29.86	0.005096	1.38	1.76	4.10	0.67
Rio Grande	Grande1	32	Max WS	IC TR200 TP03H	11.85	29.19	30.61		30.80	0.003476	1.94	6.10	5.83	0.61
Rio Grande	Grande1	32	Max WS	IC TR200 TP06H	10.08	29.19	30.46		30.65	0.003760	1.90	5.29	5.61	0.63
Rio Grande	Grande1	32	Max WS	IC TR030 TP06H	8.38	29.19	30.32		30.50	0.004092	1.85	4.52	5.41	0.65
Rio Grande	Grande1	32	Max WS	IC TR030 TP09H	6.07	29.19	30.12		30.28	0.004616	1.75	3.47	5.12	0.68
Rio Grande	Grande1	32	Max WS	IC TR200 TP09H	8.78	29.19	30.36		30.53	0.004016	1.87	4.70	5.45	0.64
Rio Grande	Grande1	31	Max WS	IC TR200 TP18H	4.22	28.95	29.89		29.95	0.001896	1.12	3.77	5.67	0.44
Rio Grande	Grande1	31	Max WS	IC TR030 TP18H	2.43	28.95	29.70		29.74	0.001492	0.88	2.75	4.98	0.38
Rio Grande	Grande1	31	Max WS	IC TR200 TP24H	3.32	28.95	29.80		29.85	0.001731	1.01	3.27	5.34	0.41
Rio Grande	Grande1	31	Max WS	IC TR030 TP24H	1.86	28.95	29.62		29.65	0.001295	0.78	2.39	4.72	0.35
Rio Grande	Grande1	31	Max WS	IC TR200 TP36H	2.29	28.95	29.68		29.72	0.001451	0.86	2.67	4.92	0.37
Rio Grande	Grande1	31	Max WS	IC TR030 TP36H	1.42	28.95	29.55		29.58	0.001147	0.69	2.06	4.47	0.32
Rio Grande	Grande1	31	Max WS	IC TR030 TP01H	11.46	28.95	30.56		30.66	0.001605	1.44	7.98	6.75	0.42
Rio Grande	Grande1	31	Max WS	IC TR200 TP01H	12.42	28.95	30.63		30.74	0.001579	1.46	8.49	6.84	0.42
Rio														

River	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
Rio Grande	Grande1	30	Max WS	IC_TR030_TP03H	2.43	28.95	29.67	29.34	29.70	0.001448	0.84	2.88	5.20	0.36
Rio Grande	Grande1	30	Max WS	IC_TR200_TP03H	11.85	28.95	30.52	29.92	30.65	0.001675	1.59	7.45	5.71	0.43
Rio Grande	Grande1	30	Max WS	IC_TR200_TP06H	10.08	28.95	30.38	29.84	30.50	0.001735	1.51	6.69	5.63	0.43
Rio Grande	Grande1	30	Max WS	IC_TR030_TP06H	8.38	28.95	30.24	29.75	30.34	0.001804	1.42	5.92	5.54	0.43
Rio Grande	Grande1	30	Max WS	IC_TR030_TP09H	6.07	28.95	30.03	29.63	30.11	0.001799	1.26	4.82	5.42	0.42
Rio Grande	Grande1	30	Max WS	IC_TR200_TP09H	8.78	28.95	30.27	29.77	30.38	0.001793	1.44	6.10	5.56	0.43
Rio Grande	Grande1	29.5			Bridge									
Rio Grande	Grande1	29	Max WS	IC_TR200_TP18H	4.22	28.90	29.68		29.76	0.002753	1.26	3.36	5.29	0.50
Rio Grande	Grande1	29	Max WS	IC_TR030_TP18H	2.43	28.90	29.48		29.53	0.002974	1.06	2.29	5.16	0.51
Rio Grande	Grande1	29	Max WS	IC_TR200_TP24H	3.32	28.90	29.58		29.65	0.002911	1.18	2.82	5.22	0.51
Rio Grande	Grande1	29	Max WS	IC_TR030_TP24H	1.86	28.90	29.40		29.45	0.002924	0.97	1.91	4.90	0.50
Rio Grande	Grande1	29	Max WS	IC_TR200_TP36H	2.29	28.90	29.46		29.52	0.002984	1.04	2.20	5.15	0.51
Rio Grande	Grande1	29	Max WS	IC_TR030_TP36H	1.42	28.90	29.34		29.38	0.002753	0.88	1.61	4.63	0.48
Rio Grande	Grande1	29	Max WS	IC_TR030_TP01H	11.46	28.90	30.37		30.50	0.001874	1.63	7.03	5.70	0.46
Rio Grande	Grande1	29	Max WS	IC_TR200_TP01H	12.42	28.90	30.44		30.58	0.001850	1.68	7.41	5.74	0.46
Rio Grande	Grande1	29	Max WS	IC_TR030_TP03H	2.43	28.90	29.48		29.53	0.002974	1.06	2.29	5.16	0.51
Rio Grande	Grande1	29	Max WS	IC_TR200_TP03H	11.85	28.90	30.39		30.53	0.001862	1.65	7.19	5.72	0.46
Rio Grande	Grande1	29	Max WS	IC_TR200_TP06H	10.08	28.90	30.25		30.38	0.001962	1.57	6.42	5.63	0.46
Rio Grande	Grande1	29	Max WS	IC_TR030_TP06H	8.38	28.90	30.11		30.22	0.002102	1.49	5.63	5.54	0.47
Rio Grande	Grande1	29	Max WS	IC_TR030_TP09H	6.07	28.90	29.88		29.98	0.002361	1.37	4.43	5.41	0.48
Rio Grande	Grande1	29	Max WS	IC_TR200_TP09H	8.78	28.90	30.14		30.26	0.002064	1.51	5.83	5.56	0.46
Rio Grande	Grande1	28.99			Lat Struct									
Rio Grande	Grande1	28.98			Lat Struct									
Rio Grande	Grande1	28	Max WS	IC_TR200_TP18H	4.22	28.91	29.57		29.70	0.005111	1.82	2.61	4.61	0.69
Rio Grande	Grande1	28	Max WS	IC_TR030_TP18H	2.43	28.91	29.34		29.46	0.007426	1.53	1.59	4.21	0.79
Rio Grande	Grande1	28	Max WS	IC_TR200_TP24H	3.32	28.91	29.45		29.58	0.006301	1.61	2.07	4.40	0.75
Rio Grande	Grande1	28	Max WS	IC_TR030_TP24H	1.86	28.91	29.28		29.38	0.007028	1.37	1.36	4.12	0.76
Rio Grande	Grande1	28	Max WS	IC_TR200_TP36H	2.29	28.91	29.32		29.44	0.007525	1.50	1.52	4.18	0.79
Rio Grande	Grande1	28	Max WS	IC_TR030_TP36H	1.42	28.91	29.25		29.32	0.005418	1.14	1.24	4.07	0.66
Rio Grande	Grande1	28	Max WS	IC_TR030_TP01H	11.46	28.91	30.31		30.47	0.002757	1.76	6.49	5.79	0.53
Rio Grande	Grande1	28	Max WS	IC_TR200_TP01H	12.42	28.91	30.38		30.54	0.002710	1.80	6.92	5.88	0.53
Rio Grande	Grande1	28	Max WS	IC_TR030_TP03H	2.43	28.91	29.34		29.46	0.007426	1.53	1.59	4.21	0.79
Rio Grande	Grande1	28	Max WS	IC_TR200_TP03H	11.85	28.91	30.34		30.50	0.002735	1.78	6.67	5.83	0.53
Rio Grande	Grande1	28	Max WS	IC_TR200_TP06H	10.08	28.91	30.19		30.34	0.002925	1.73	5.81	5.65	0.55
Rio Grande	Grande1	28	Max WS	IC_TR030_TP06H	8.38	28.91	30.03		30.18	0.003209	1.69	4.95	5.47	0.57
Rio Grande	Grande1	28	Max WS	IC_TR030_TP09H	6.07	28.91	29.79		29.93	0.003877	1.64	3.69	5.03	0.61
Rio Grande	Grande1	28	Max WS	IC_TR200_TP09H	8.78	28.91	30.07		30.22	0.003129	1.70	5.16	5.52	0.56
Rio Grande	Grande1	27	Max WS	IC_TR200_TP18H	4.22	28.88	29.49		29.58	0.002857	1.34	3.15	4.74	0.52
Rio Grande	Grande1	27	Max WS	IC_TR030_TP18H	2.43	28.88	29.18		29.28	0.005345	1.38	1.76	4.28	0.69
Rio Grande	Grande1	27	Max WS	IC_TR200_TP24H	3.32	28.88	29.34		29.44	0.003639	1.35	2.46	4.52	0.58
Rio Grande	Grande1	27	Max WS	IC_TR030_TP24H	1.86	28.88	29.07		29.18	0.008236	1.45	1.28	4.11	0.83
Rio Grande	Grande1	27	Max WS	IC_TR200_TP36H	2.29	28.88	29.16		29.26	0.005817	1.39	1.65	4.24	0.71
Rio Grande	Grande1	27	Max WS	IC_TR030_TP36H	1.42	28.88	28.99	28.98	29.10	0.011920	1.49	0.95	3.93	0.96
Rio Grande	Grande1	27	Max WS	IC_TR030_TP01H	11.46	28.88	30.26		30.39	0.002309	1.56	7.35	7.19	0.49
Rio Grande	Grande1	27	Max WS	IC_TR200_TP01H	12.42	28.88	30.34		30.46	0.002372	1.57	7.92	7.91	0.50
Rio Grande	Grande1	27	Max WS	IC_TR030_TP03H	2.43	28.88	29.18		29.28	0.005345	1.38	1.76	4.28	0.69
Rio Grande	Grande1	27	Max WS	IC_TR200_TP03H	11.85	28.88	30.29		30.42	0.002362	1.56	7.57	7.53	0.50
Rio Grande	Grande1	27	Max WS	IC_TR200_TP06H	10.08	28.88	30.14		30.26	0.002026	1.53	6.57	5.80	0.46
Rio Grande	Grande1	27	Max WS	IC_TR030_TP06H	8.38	28.88	29.99		30.10	0.002084	1.48	5.68	5.49	0.46
Rio Grande	Grande1	27	Max WS	IC_TR030_TP09H	6.07	28.88	29.74		29.84	0.002304	1.39	4.36	5.11	0.48
Rio Grande	Grande1	27	Max WS	IC_TR200_TP09H	8.78	28.88	30.03		30.14	0.002068	1.49	5.89	5.56	0.46
Rio Grande	Grande1	26	Max WS	IC_TR200_TP18H	4.22	28.03	29.44	29.10	29.55	0.003428	1.46	2.89	3.72	0.53
Rio Grande	Grande1	26	Max WS	IC_TR030_TP18H	2.43	28.03	29.15	28.86	29.23	0.003467	1.27	1.91	3.05	0.51
Rio Grande	Grande1	26	Max WS	IC_TR200_TP24H	3.32	28.03	29.31	28.99	29.40	0.003455	1.38	2.41	3.41	0.52
Rio Grande	Grande1	26	Max WS	IC_TR030_TP24H	1.86	28.03	29.04	28.77	29.11	0.003437	1.18	1.57	2.78	0.50
Rio Grande	Grande1	26	Max WS	IC_TR200_TP36H	2.29	28.03	29.13	28.84	29.21	0.003459	1.25	1.83	2.99	0.51
Rio Grande	Grande1	26	Max WS	IC_TR030_TP36H	1.42	28.03	28.93	28.69	28.99	0.003374	1.09	1.30	2.55	0.49
Rio Grande	Grande1	26	Max WS	IC_TR030_TP01H	11.46	28.03	30.18	29.68	30.35	0.003170	1.83	6.26	5.42	0.54
Rio Grande	Grande1	26	Max WS	IC_TR200_TP01H	12.42	28.03	30.24	29.74	30.42	0.003209	1.88	6.62	5.57	0.55
Rio Grande	Grande1	26	Max WS	IC_TR030_TP03H	2.43	28.03	29.15	28.86	29.23	0.003467	1.27	1.91	3.05	0.51
Rio Grande	Grande1	26	Max WS	IC_TR200_TP03H	11.85	28.03	30.21	29.70	30.38	0.003187	1.85	6.41	5.48	0.55
Rio Grande	Grande1	26	Max WS	IC_TR200_TP06H	10.08	28.03	30.07	29.59	30.23	0.003204	1.78	5.67	5.16	0.54
Rio Grande	Grande1	26	Max WS	IC_TR030_TP06H	8.38	28.03	29.91	29.47	30.06	0.003263	1.71	4.90	4.81	0.54
Rio Grande	Grande1	26	Max WS	IC_TR030_TP09H	6.07	28.03	29.67	29.28	29.80	0.003353	1.59	3.82	4.25	0.54
Rio Grande	Grande1	26	Max WS	IC_TR200_TP09H	8.78	28.03	29.95	29.50	30.10	0.003249	1.73	5.09	4.90	0.54
Rio Grande	Grande1	25.5			Int Struct									
Rio Grande	Grande1	25	Max WS	IC_TR200_TP18H	4.22	25.87	27.64		27.66	0.000484	0.73	5.81	5.08	0.22
Rio Grande	Grande1	25	Max WS	IC_TR030_TP18H	2.43	25.87	27.34		27.36	0.000335	0.55	4.41	4.48	0.18
Rio Grande	Grande1	25	Max WS	IC_TR200_TP24H	3.32	25.87	27.49		27.51	0.000426	0.65	5.09	4.78	0.20
Rio Grande	Grande1	25	Max WS	IC_TR030_TP24H	1.86	25.87	27.25		27.26	0.000252	0.46	4.02	4.30	0.15
Rio Grande	Grande1	25	Max WS	IC_TR200_TP36H	2.29	25.87	27.33		27.34	0.000313	0.53	4.33	4.45	0.17
Rio Grande	Grande1	25	Max WS	IC_TR030_TP36H	1.38	25.87	27.17		27.18	0.000177	0.38	3.67	4.14	0.13
Rio Grande	Grande1	25	Max WS	IC_TR030_TP01H	11.45	25.87	28.22		28.30	0.001083	1.28	8.93	5.41	0.32
Rio Grande	Grande1	25	Max WS	IC_TR200_TP01H	12.42	25.87	28.23		28.33	0.001241	1.38	9.01	5.41	0.34
Rio Grande	Grande1	25	Max WS	IC_TR030_TP03H	2.43	25.87	27.24		27.26	0.000444	0.61	3.97	4.28	0.20
Rio Grande	Grande1	25	Max WS	IC_TR200_TP03H	11.83	25.87	28.23		28.32	0.001133	1.32	8.99	5.41	0.33
Rio Grande	Grande1	25	Max WS	IC_TR200_TP06H	10.07	25.87	28.20		28.27	0.000860	1.14	8.85	5.41	0.28
Rio Grande	Grande1	25	Max WS	IC_TR030_TP06H	8.38	25.87	28.16		28.21	0.000643	0.97	8.60	5.41	0.25
Rio Grande	Grande1	25	Max WS	IC_TR030_TP09H	6.04	25.87	27.87		27.90	0.000590	0.86	7.02	5.41	0.24
Rio Grande	Grande1	25	Max WS	IC_TR200_TP09H	8.75	25.87	28.18		28.23	0.000679	1.01	8.71	5.41	0.25
Rio Grande	Grande1	24.99			Lat Struct									
Rio Grande	Grande1	24.98			Lat Struct									
Rio Grande	Grande1	24	Max WS	IC_TR200_TP18H	4.22	25.86	27.64		27.66	0.000457	0.71	5.95	5.25	0.21
Rio Grande	Grande1	24	Max WS	IC_TR030_TP18H	2.43	25.86	27.34		27.36	0.000319	0.54	4.50	4.62	0.17
Rio Grande	Grande1	24	Max WS	IC_TR200_TP24H	3.32	25.86	27.49		27.51	0.000403	0.64	5.21	4.93	0.20
Rio Grande	Grande1	24	Max WS	IC_TR030_TP24H	1.86	25.86	27.25		27.26	0.000240	0.45	4.10	4.43	0.15
Rio Grande	Grande1	24	Max WS	IC_TR200_TP36H	2.29	25.86	27.32		27.34	0.000297	0.52	4.43	4.58	0.17
Rio Grande	Grande1	24	Max WS	IC_TR030_TP36H	1.38	25.86	27.17		27.18	0.000168	0.37	3.75	4.26	0.13

River	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
Rio Grande	Grande1	23	Max WS	IC_TR200_TP18H	4.22	25.86	27.63		27.66	0.000488	0.73	5.80	5.09	0.22
Rio Grande	Grande1	23	Max WS	IC_TR030_TP18H	2.43	25.86	27.34		27.36	0.000338	0.55	4.39	4.49	0.18
Rio Grande	Grande1	23	Max WS	IC_TR200_TP24H	3.32	25.86	27.49		27.51	0.000429	0.65	5.07	4.79	0.20
Rio Grande	Grande1	23	Max WS	IC_TR030_TP24H	1.86	25.86	27.25		27.26	0.000253	0.46	4.01	4.31	0.15
Rio Grande	Grande1	23	Max WS	IC_TR200_TP36H	2.29	25.86	27.32		27.34	0.000315	0.53	4.32	4.46	0.17
Rio Grande	Grande1	23	Max WS	IC_TR030_TP36H	1.38	25.86	27.17		27.18	0.000178	0.38	3.67	4.15	0.13
Rio Grande	Grande1	23	Max WS	IC_TR030_TP01H	11.36	25.86	28.21		28.29	0.001084	1.28	8.86	5.32	0.32
Rio Grande	Grande1	23	Max WS	IC_TR200_TP01H	12.31	25.86	28.23		28.32	0.001242	1.38	8.94	5.32	0.34
Rio Grande	Grande1	23	Max WS	IC_TR030_TP03H	2.43	25.86	27.24		27.26	0.000448	0.61	3.95	4.28	0.20
Rio Grande	Grande1	23	Max WS	IC_TR200_TP03H	11.72	25.86	28.22		28.31	0.001132	1.31	8.92	5.32	0.32
Rio Grande	Grande1	23	Max WS	IC_TR200_TP06H	10.00	25.86	28.20		28.26	0.000859	1.14	8.79	5.32	0.28
Rio Grande	Grande1	23	Max WS	IC_TR030_TP06H	8.35	25.86	28.15		28.20	0.000646	0.98	8.55	5.32	0.25
Rio Grande	Grande1	23	Max WS	IC_TR030_TP09H	6.04	25.86	27.86		27.90	0.000592	0.86	7.00	5.32	0.24
Rio Grande	Grande1	23	Max WS	IC_TR200_TP09H	8.71	25.86	28.17		28.22	0.000679	1.01	8.65	5.32	0.25
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP18H	4.22	25.81	27.62		27.64	0.000453	0.71	5.97	5.23	0.21
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP18H	2.43	25.81	27.33		27.34	0.000306	0.53	4.56	4.59	0.17
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP24H	3.32	25.81	27.47		27.49	0.000394	0.63	5.24	4.89	0.20
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP24H	1.86	25.81	27.24		27.25	0.000227	0.44	4.18	4.41	0.15
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP36H	2.29	25.81	27.31		27.33	0.000285	0.51	4.49	4.55	0.16
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP36H	1.38	25.81	27.17		27.17	0.000157	0.36	3.84	4.24	0.12
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP01H	10.46	25.81	28.21		28.27	0.000843	1.14	9.17	5.48	0.28
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP01H	11.19	25.81	28.22		28.30	0.000937	1.21	9.27	5.48	0.30
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP03H	2.43	25.81	27.23		27.24	0.000408	0.59	4.10	4.37	0.20
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP03H	10.64	25.81	28.22		28.29	0.000851	1.15	9.26	5.48	0.28
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP06H	9.27	25.81	28.19		28.24	0.000677	1.02	9.10	5.48	0.25
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP06H	8.09	25.81	28.14		28.18	0.000563	0.92	8.82	5.48	0.23
Rio Grande	Grande1	22.667	Max WS	IC_TR030_TP09H	6.04	25.81	27.85		27.88	0.000555	0.84	7.20	5.48	0.23
Rio Grande	Grande1	22.667	Max WS	IC_TR200_TP09H	8.26	25.81	28.16		28.21	0.000565	0.92	8.94	5.48	0.23
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP18H	4.22	25.76	27.61		27.63	0.000422	0.69	6.15	5.34	0.20
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP18H	2.43	25.76	27.32		27.34	0.000278	0.51	4.73	4.68	0.16
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP24H	3.32	25.76	27.46		27.48	0.000363	0.61	5.41	4.98	0.19
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP24H	1.85	25.76	27.24		27.25	0.000203	0.43	4.35	4.50	0.14
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP36H	2.29	25.76	27.31		27.32	0.000258	0.49	4.66	4.65	0.16
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP36H	1.38	25.76	27.16		27.17	0.000139	0.34	4.01	4.34	0.11
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP01H	9.61	25.76	28.20		28.25	0.000657	1.01	9.48	5.63	0.25
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP01H	10.09	25.76	28.22		28.28	0.000699	1.05	9.61	5.63	0.26
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP03H	2.43	25.76	27.22		27.23	0.000371	0.57	4.25	4.45	0.19
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP03H	9.58	25.76	28.22		28.27	0.000633	1.00	9.59	5.63	0.24
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP06H	8.58	25.76	28.19		28.23	0.000538	0.91	9.40	5.63	0.23
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP06H	7.93	25.76	28.13		28.17	0.000507	0.87	9.07	5.63	0.22
Rio Grande	Grande1	22.333	Max WS	IC_TR030_TP09H	6.04	25.76	27.83		27.86	0.000525	0.82	7.38	5.63	0.23
Rio Grande	Grande1	22.333	Max WS	IC_TR200_TP09H	7.90	25.76	28.16		28.19	0.000481	0.86	9.22	5.63	0.21
Rio Grande	Grande1	22	Max WS	IC_TR200_TP18H	4.22	25.71	27.60		27.62	0.000389	0.67	6.33	5.37	0.20
Rio Grande	Grande1	22	Max WS	IC_TR030_TP18H	2.43	25.71	27.31		27.33	0.000253	0.49	4.91	4.78	0.16
Rio Grande	Grande1	22	Max WS	IC_TR200_TP24H	3.31	25.71	27.45		27.47	0.000333	0.59	5.59	5.07	0.18
Rio Grande	Grande1	22	Max WS	IC_TR030_TP24H	1.85	25.71	27.23		27.24	0.000183	0.41	4.52	4.60	0.13
Rio Grande	Grande1	22	Max WS	IC_TR200_TP36H	2.29	25.71	27.30		27.31	0.000234	0.47	4.84	4.74	0.15
Rio Grande	Grande1	22	Max WS	IC_TR030_TP36H	1.38	25.71	27.16		27.16	0.000124	0.33	4.19	4.44	0.11
Rio Grande	Grande1	22	Max WS	IC_TR030_TP01H	8.79	25.71	28.20		28.24	0.000510	0.90	9.79	5.79	0.22
Rio Grande	Grande1	22	Max WS	IC_TR200_TP01H	8.96	25.71	28.23		28.27	0.000507	0.90	9.95	5.79	0.22
Rio Grande	Grande1	22	Max WS	IC_TR030_TP03H	2.43	25.71	27.21		27.22	0.000339	0.55	4.40	4.54	0.18
Rio Grande	Grande1	22	Max WS	IC_TR200_TP03H	8.48	25.71	28.23		28.26	0.000456	0.85	9.94	5.79	0.21
Rio Grande	Grande1	22	Max WS	IC_TR200_TP06H	7.94	25.71	28.18		28.22	0.000428	0.82	9.69	5.79	0.20
Rio Grande	Grande1	22	Max WS	IC_TR030_TP06H	7.84	25.71	28.12		28.15	0.000469	0.84	9.30	5.79	0.21
Rio Grande	Grande1	22	Max WS	IC_TR030_TP09H	6.04	25.71	27.82		27.85	0.000501	0.80	7.56	5.79	0.22
Rio Grande	Grande1	22	Max WS	IC_TR200_TP09H	7.60	25.71	28.15		28.18	0.000418	0.80	9.48	5.79	0.20
Rio Grande	Grande1	21	Max WS	IC_TR200_TP18H	4.22	25.71	27.60	26.24	27.62	0.000193	0.61	6.91	5.37	0.14
Rio Grande	Grande1	21	Max WS	IC_TR030_TP18H	2.43	25.71	27.32	26.08	27.33	0.000111	0.41	5.85	4.91	0.11
Rio Grande	Grande1	21	Max WS	IC_TR200_TP24H	3.31	25.71	27.46	26.16	27.47	0.000155	0.52	6.38	5.13	0.13
Rio Grande	Grande1	21	Max WS	IC_TR030_TP24H	1.85	25.71	27.23	26.02	27.24	0.000078	0.33	5.54	4.78	0.09
Rio Grande	Grande1	21	Max WS	IC_TR200_TP36H	2.29	25.71	27.30	26.06	27.31	0.000102	0.39	5.79	4.89	0.10
Rio Grande	Grande1	21	Max WS	IC_TR030_TP36H	1.37	25.71	27.16	25.96	27.16	0.000051	0.26	5.25	4.67	0.07
Rio Grande	Grande1	21	Max WS	IC_TR030_TP01H	8.73	25.71	28.20	26.56	28.24	0.000651	0.92	9.47	5.79	0.23
Rio Grande	Grande1	21	Max WS	IC_TR200_TP01H	8.87	25.71	28.22	26.58	28.27	0.000640	0.92	9.63	5.79	0.23
Rio Grande	Grande1	21	Max WS	IC_TR030_TP03H	2.43	25.71	27.21	26.08	27.22	0.000142	0.45	5.44	4.74	0.12
Rio Grande	Grande1	21	Max WS	IC_TR200_TP03H	8.40	25.71	28.22	26.54	28.26	0.000577	0.87	9.62	5.79	0.22
Rio Grande	Grande1	21	Max WS	IC_TR200_TP06H	7.90	25.71	28.18	26.51	28.22	0.000548	0.84	9.38	5.79	0.21
Rio Grande	Grande1	21	Max WS	IC_TR030_TP06H	7.84	25.71	28.11	26.51	28.15	0.000612	0.87	8.98	5.79	0.22
Rio Grande	Grande1	21	Max WS	IC_TR030_TP09H	6.03	25.71	27.82	26.38	27.85	0.000270	0.76	7.75	5.79	0.17
Rio Grande	Grande1	21	Max WS	IC_TR200_TP09H	7.59	25.71	28.14	26.49	28.18	0.000541	0.83	9.16	5.79	0.21
Rio Grande	Grande1	20.5												
Rio Grande	Grande1	20												
Rio Grande	Grande1	20	Max WS	IC_TR200_TP18H	4.22	25.71	27.48		27.50	0.000241	0.65	6.47	5.17	0.16
Rio Grande	Grande1	20	Max WS	IC_TR030_TP18H	2.43	25.71	27.28		27.29	0.000120	0.42	5.71	4.86	0.11
Rio Grande	Grande1	20	Max WS	IC_TR200_TP24H	3.30	25.71	27.39		27.40	0.000178	0.54	6.11	5.02	0.14
Rio Grande	Grande1	20	Max WS	IC_TR030_TP24H	1.85	25.71	27.21		27.22	0.000081	0.34	5.46	4.75	0.09
Rio Grande	Grande1	20	Max WS	IC_TR200_TP36H	2.29	25.71	27.27		27.28	0.000110	0.40	5.67	4.84	0.11
Rio Grande	Grande1	20	Max WS	IC_TR030_TP36H	1.37	25.71	27.15		27.15	0.000052	0.26	5.21	4.65	0.07
Rio Grande	Grande1	20	Max WS	IC_TR030_TP01H	8.68	25.71	27.70		27.78	0.000672	1.18	7.33	5.58	0.27
Rio Grande	Grande1	20	Max WS	IC_TR200_TP01H	8.20	25.71	27.76		27.82	0.000542	1.09	7.55	5.70	0.25
Rio Grande	Grande1	20	Max WS	IC_TR030_TP03H	2.43	25.71	27.17		27.18	0.000154	0.46	5.31	4.69	0.12
Rio Grande	Grande1	20	Max WS	IC_TR200_TP03H	8.37	25.71	27.79		27.85	0.000542	1.09	7.65	5.75	0.25
Rio Grande	Grande1	20	Max WS	IC_TR200_TP06H	7.70	25.71	27.79		27.84	0.000457	1.01	7.66	5.76	0.23
Rio Grande	Grande1	20	Max WS	IC_TR030_TP06H	7.84	25.71	27.69		27.75	0.000563	1.08	7.27	5.56	0.25
Rio Grande	Grande1	20	Max WS	IC_TR030_TP09H	6.03	25.71	27.56		27.60	0.000418	0.89	6.79	5.31	0.21
Rio Grande	Grande1	20	Max WS	IC_TR200_TP09H	7.57	25.71	27.76		27.81	0.000462	1.00	7.55	5.70	0.23

River	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
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP18H	4.21	25.66	27.46		27.48	0.000466	0.71	5.93	5.33	0.21
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP18H	2.42	25.66	27.27		27.28	0.000247	0.49	4.97	4.91	0.15
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP24H	3.30	25.66	27.37		27.39	0.000356	0.60	5.47	5.13	0.19
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP24H	1.84	25.66	27.20		27.21	0.000169	0.39	4.67	4.76	0.13
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP36H	2.28	25.66	27.26		27.27	0.000225	0.46	4.92	4.88	0.15
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP36H	1.37	25.66	27.14		27.15	0.000112	0.31	4.37	4.62	0.10
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP01H	8.53	25.66	27.65		27.72	0.001219	1.22	7.00	5.62	0.35
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP01H	8.17	25.66	27.73		27.79	0.000954	1.10	7.43	5.76	0.31
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP03H	2.42	25.66	27.15		27.17	0.000336	0.55	4.43	4.65	0.18
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP03H	8.32	25.66	27.75		27.81	0.000939	1.10	7.58	5.81	0.31
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP06H	7.68	25.66	27.76		27.81	0.000784	1.00	7.64	5.83	0.28
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP06H	7.83	25.66	27.64		27.71	0.001039	1.12	6.97	5.62	0.32
Rio Grande	Grande1	18.833	Max WS	IC TR030 TP09H	6.02	25.66	27.53		27.57	0.000808	0.95	6.31	5.48	0.28
Rio Grande	Grande1	18.833	Max WS	IC TR200 TP09H	7.54	25.66	27.73		27.78	0.000804	1.01	7.46	5.77	0.28
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP18H	4.20	25.60	27.44		27.46	0.000423	0.68	6.18	5.54	0.21
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP18H	2.41	25.60	27.26		27.27	0.000220	0.46	5.22	5.11	0.15
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP24H	3.28	25.60	27.36		27.37	0.000318	0.57	5.71	5.34	0.18
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP24H	1.82	25.60	27.20		27.21	0.000147	0.37	4.91	4.95	0.12
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP36H	2.28	25.60	27.25		27.26	0.000200	0.44	5.17	5.08	0.14
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP36H	1.37	25.60	27.14		27.14	0.000097	0.30	4.62	4.78	0.10
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP01H	7.81	25.60	27.61		27.68	0.000974	1.09	7.17	5.79	0.31
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP01H	8.10	25.60	27.70		27.75	0.000879	1.06	7.64	5.89	0.30
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP03H	2.42	25.60	27.14		27.16	0.000299	0.52	4.64	4.80	0.17
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP03H	8.28	25.60	27.72		27.78	0.000870	1.06	7.79	5.93	0.30
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP06H	7.62	25.60	27.74		27.79	0.000713	0.97	7.89	5.95	0.27
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP06H	7.82	25.60	27.61		27.67	0.000987	1.10	7.14	5.78	0.32
Rio Grande	Grande1	18.667	Max WS	IC TR030 TP09H	6.02	25.60	27.50		27.54	0.000752	0.92	6.51	5.64	0.27
Rio Grande	Grande1	18.667	Max WS	IC TR200 TP09H	7.52	25.60	27.71		27.75	0.000742	0.98	7.70	5.91	0.27
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP18H	4.19	25.54	27.43		27.45	0.000385	0.65	6.42	5.72	0.20
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP18H	2.41	25.54	27.25		27.26	0.000195	0.44	5.46	5.25	0.14
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP24H	3.27	25.54	27.35		27.36	0.000287	0.55	5.96	5.52	0.17
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP24H	1.83	25.54	27.20		27.20	0.000131	0.36	5.15	5.07	0.11
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP36H	2.27	25.54	27.25		27.25	0.000177	0.42	5.41	5.23	0.13
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP36H	1.36	25.54	27.14		27.14	0.000083	0.28	4.86	4.88	0.09
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP01H	7.68	25.54	27.58		27.64	0.000898	1.05	7.33	5.93	0.30
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP01H	8.09	25.54	27.67		27.72	0.000830	1.03	7.83	6.05	0.29
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP03H	2.42	25.54	27.14		27.15	0.000265	0.50	4.85	4.88	0.16
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP03H	8.25	25.54	27.70		27.75	0.000819	1.03	7.99	6.09	0.29
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP06H	7.24	25.54	27.72		27.76	0.000602	0.89	8.13	6.12	0.25
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP06H	7.80	25.54	27.58		27.64	0.000941	1.07	7.29	5.92	0.31
Rio Grande	Grande1	18.500	Max WS	IC TR030 TP09H	5.99	25.54	27.48		27.52	0.000702	0.90	6.70	5.78	0.27
Rio Grande	Grande1	18.500	Max WS	IC TR200 TP09H	7.49	25.54	27.68		27.73	0.000692	0.95	7.92	6.07	0.26
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP18H	4.17	25.49	27.42		27.44	0.000351	0.63	6.65	5.85	0.19
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP18H	2.39	25.49	27.25		27.26	0.000170	0.42	5.71	5.32	0.13
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP24H	3.25	25.49	27.34		27.35	0.000256	0.52	6.20	5.84	0.16
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP24H	1.82	25.49	27.19		27.20	0.000112	0.34	5.41	5.11	0.10
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP36H	2.25	25.49	27.24		27.25	0.000153	0.40	5.66	5.29	0.12
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP36H	1.35	25.49	27.13		27.14	0.000070	0.26	5.12	4.90	0.08
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP01H	7.63	25.49	27.56		27.61	0.000850	1.02	7.48	6.06	0.29
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP01H	7.94	25.49	27.64		27.69	0.000763	0.99	8.01	6.18	0.28
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP03H	2.42	25.49	27.13		27.14	0.000229	0.48	5.09	4.88	0.15
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP03H	8.15	25.49	27.67		27.72	0.000761	1.00	8.18	6.22	0.28
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP06H	7.21	25.49	27.70		27.74	0.000559	0.86	8.37	6.27	0.24
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP06H	7.77	25.49	27.55		27.60	0.000899	1.05	7.43	6.04	0.30
Rio Grande	Grande1	18.333	Max WS	IC TR030 TP09H	5.96	25.49	27.46		27.49	0.000655	0.87	6.88	5.91	0.26
Rio Grande	Grande1	18.333	Max WS	IC TR200 TP09H	7.45	25.49	27.66		27.71	0.000646	0.92	8.13	6.21	0.26
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP18H	4.11	25.43	27.41		27.43	0.000306	0.60	6.90	5.87	0.18
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP18H	2.44	25.43	27.24		27.25	0.000152	0.41	5.98	5.28	0.12
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP24H	3.25	25.43	27.33		27.35	0.000226	0.50	6.46	5.84	0.15
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP24H	1.84	25.43	27.19		27.20	0.000099	0.32	5.69	5.15	0.10
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP36H	2.37	25.43	27.24		27.24	0.000146	0.40	5.93	5.25	0.12
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP36H	1.38	25.43	27.13		27.14	0.000064	0.26	5.40	5.03	0.08
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP01H	7.37	25.43	27.54		27.59	0.000746	0.96	7.69	6.18	0.27
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP01H	7.96	25.43	27.62		27.67	0.000727	0.97	8.21	6.31	0.27
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP03H	2.34	25.43	27.12		27.13	0.000188	0.44	5.35	5.01	0.14
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP03H	8.15	25.43	27.65		27.70	0.000722	0.97	8.38	6.35	0.27
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP06H	7.30	25.43	27.69		27.72	0.000539	0.85	8.60	6.40	0.23
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP06H	7.36	25.43	27.53		27.58	0.000754	0.96	7.65	6.16	0.28
Rio Grande	Grande1	18.167	Max WS	IC TR030 TP09H	5.82	25.43	27.44		27.48	0.000578	0.82	7.08	5.96	0.24
Rio Grande	Grande1	18.167	Max WS	IC TR200 TP09H	7.44	25.43	27.65		27.69	0.000607	0.89	8.35	6.34	0.25
Rio Grande	Grande1	18	Max WS	IC TR200 TP18H	4.05	25.38	27.40		27.41	0.000263	0.57	7.14	5.73	0.16
Rio Grande	Grande1	18	Max WS	IC TR030 TP18H	2.42	25.38	27.24		27.25	0.000133	0.39	6.25	5.40	0.11
Rio Grande	Grande1	18	Max WS	IC TR200 TP24H	3.19	25.38	27.32		27.33	0.000189	0.47	6.72	5.52	0.14
Rio Grande	Grande1	18	Max WS	IC TR030 TP24H	1.81	25.38	27.18		27.19	0.000084	0.30	5.97	5.28	0.09
Rio Grande	Grande1	18	Max WS	IC TR200 TP36H	2.33	25.38	27.23		27.24	0.000126	0.38	6.20	5.38	0.11
Rio Grande	Grande1	18	Max WS	IC TR030 TP36H	1.39	25.38	27.13		27.13	0.000056	0.24	5.68	5.16	0.07
Rio Grande	Grande1	18	Max WS	IC TR030 TP01H	7.22	25.38	27.51		27.56	0.000678	0.92	7.83	6.17	0.26
Rio Grande	Grande1	18	Max WS	IC TR200 TP01H	7.77	25.38	27.60		27.64	0.000671	0.93	8.35	6.40	0.26
Rio Grande	Grande1	18	Max WS	IC TR030 TP03H	2.31	25.38	27.12		27.13	0.000162	0.41	5.61	5.13	0.13
Rio Grande	Grande1	18	Max WS	IC TR200 TP03H	8.04	25.38	27.62		27.67	0.000681	0.94	8.51	6.44	0.26
Rio Grande	Grande1	18	Max WS	IC TR200 TP06H	6.86	25.38	27.66		27.69	0.000456	0.78	8.78	6.51	0.21
Rio Grande	Grande1	18	Max WS	IC TR030 TP06H	7.18	25.38	27.51		27.55	0.000677	0.92	7.80	6.15	0.26
Rio Grande	Grande1	18	Max WS	IC TR030 TP09H	5.69	25.38	27.42		27.45	0.000499	0.78	7.27	5.82	0.22
Rio Grande	Grande1	18	Max WS	IC TR200 TP09H	7.34	25.38	27.62		27.66	0.000570	0.86	8.50	6.44	0.24
Rio Grande	Grande1	17.667	Max WS	IC TR200 TP18H	4.03	25.33	27.3							

River	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
Rio Grande	Grande1	17.333	Max WS	IC_TR030_TP01H	6.32	25.27	27.49		27.52	0.000390	0.73	8.60	6.23	0.20
Rio Grande	Grande1	17.333	Max WS	IC_TR200_TP01H	6.88	25.27	27.58		27.60	0.000394	0.76	9.11	6.32	0.20
Rio Grande	Grande1	17.333	Max WS	IC_TR030_TP03H	2.52	25.27	27.10		27.11	0.000148	0.40	6.26	5.69	0.12
Rio Grande	Grande1	17.333	Max WS	IC_TR200_TP03H	7.12	25.27	27.60		27.63	0.000403	0.77	9.26	6.34	0.20
Rio Grande	Grande1	17.333	Max WS	IC_TR200_TP06H	6.95	25.27	27.64		27.67	0.000357	0.73	9.51	6.39	0.19
Rio Grande	Grande1	17.333	Max WS	IC_TR030_TP06H	6.23	25.27	27.49		27.52	0.000383	0.73	8.57	6.23	0.20
Rio Grande	Grande1	17.333	Max WS	IC_TR030_TP09H	5.30	25.27	27.40		27.42	0.000332	0.66	8.02	6.13	0.18
Rio Grande	Grande1	17.333	Max WS	IC_TR200_TP09H	6.70	25.27	27.60		27.63	0.000356	0.72	9.26	6.34	0.19
Rio Grande	Grande1	17	Max WS	IC_TR200_TP18H	3.97	25.22	27.38		27.39	0.000171	0.49	8.17	5.87	0.13
Rio Grande	Grande1	17	Max WS	IC_TR030_TP18H	2.54	25.22	27.23		27.23	0.000097	0.35	7.28	5.75	0.10
Rio Grande	Grande1	17	Max WS	IC_TR200_TP24H	3.16	25.22	27.31		27.32	0.000125	0.41	7.76	5.82	0.11
Rio Grande	Grande1	17	Max WS	IC_TR030_TP24H	2.01	25.22	27.18		27.18	0.000068	0.29	6.99	5.71	0.08
Rio Grande	Grande1	17	Max WS	IC_TR200_TP36H	2.43	25.22	27.22		27.22	0.000090	0.34	7.23	5.74	0.10
Rio Grande	Grande1	17	Max WS	IC_TR030_TP36H	1.51	25.22	27.12		27.13	0.000043	0.23	6.69	5.67	0.07
Rio Grande	Grande1	17	Max WS	IC_TR030_TP01H	6.32	25.22	27.48		27.51	0.000355	0.72	8.78	5.95	0.19
Rio Grande	Grande1	17	Max WS	IC_TR200_TP01H	6.88	25.22	27.56		27.59	0.000363	0.74	9.26	6.02	0.19
Rio Grande	Grande1	17	Max WS	IC_TR030_TP03H	2.51	25.22	27.10		27.11	0.000126	0.38	6.57	5.65	0.11
Rio Grande	Grande1	17	Max WS	IC_TR200_TP03H	7.12	25.22	27.59		27.62	0.000372	0.76	9.41	6.04	0.19
Rio Grande	Grande1	17	Max WS	IC_TR200_TP06H	6.94	25.22	27.63		27.65	0.000330	0.72	9.65	6.07	0.18
Rio Grande	Grande1	17	Max WS	IC_TR030_TP06H	6.23	25.22	27.48		27.50	0.000348	0.71	8.75	5.95	0.19
Rio Grande	Grande1	17	Max WS	IC_TR030_TP09H	5.29	25.22	27.39		27.41	0.000297	0.64	8.23	5.88	0.17
Rio Grande	Grande1	17	Max WS	IC_TR200_TP09H	6.69	25.22	27.59		27.61	0.000328	0.71	9.41	6.04	0.18
Rio Grande	Grande1	16	Max WS	IC_TR200_TP18H	3.97	25.22	27.38	25.74	27.39	0.000138	0.51	7.74	5.91	0.11
Rio Grande	Grande1	16	Max WS	IC_TR030_TP18H	2.54	25.22	27.23	25.61	27.23	0.000073	0.35	7.17	5.65	0.08
Rio Grande	Grande1	16	Max WS	IC_TR200_TP24H	3.16	25.22	27.31	25.67	27.32	0.000098	0.42	7.48	5.79	0.10
Rio Grande	Grande1	16	Max WS	IC_TR030_TP24H	2.01	25.22	27.17	25.55	27.18	0.000050	0.29	6.98	5.56	0.07
Rio Grande	Grande1	16	Max WS	IC_TR200_TP36H	2.43	25.22	27.22	25.60	27.22	0.000067	0.34	7.14	5.63	0.08
Rio Grande	Grande1	16	Max WS	IC_TR030_TP36H	1.51	25.22	27.12	25.49	27.13	0.000031	0.22	6.78	5.47	0.05
Rio Grande	Grande1	16	Max WS	IC_TR030_TP01H	6.32	25.22	27.47	25.93	27.51	0.000298	0.78	8.11	6.08	0.17
Rio Grande	Grande1	16	Max WS	IC_TR200_TP01H	6.88	25.22	27.55	25.97	27.59	0.000313	0.82	8.41	6.22	0.18
Rio Grande	Grande1	16	Max WS	IC_TR030_TP03H	2.51	25.22	27.10	25.60	27.11	0.000089	0.37	6.69	5.43	0.09
Rio Grande	Grande1	16	Max WS	IC_TR200_TP03H	7.11	25.22	27.58	25.99	27.61	0.000323	0.84	8.49	6.26	0.18
Rio Grande	Grande1	16	Max WS	IC_TR200_TP06H	6.94	25.22	27.62	25.98	27.65	0.000290	0.80	8.65	6.33	0.17
Rio Grande	Grande1	16	Max WS	IC_TR030_TP06H	6.23	25.22	27.47	25.92	27.50	0.000282	0.77	8.09	6.08	0.17
Rio Grande	Grande1	16	Max WS	IC_TR030_TP09H	5.29	25.22	27.39	25.85	27.41	0.000240	0.68	7.77	5.93	0.15
Rio Grande	Grande1	16	Max WS	IC_TR200_TP09H	6.69	25.22	27.58	25.96	27.61	0.000285	0.79	8.50	6.27	0.17
Rio Grande	Grande1	15.5												
Rio Grande	Grande1	15												
Rio Grande	Grande1	15	Max WS	IC_TR200_TP18H	3.97	25.10	27.37		27.37	0.000099	0.43	9.27	5.85	0.09
Rio Grande	Grande1	15	Max WS	IC_TR030_TP18H	2.54	25.10	27.22		27.23	0.000051	0.29	8.64	5.58	0.07
Rio Grande	Grande1	15	Max WS	IC_TR200_TP24H	3.16	25.10	27.30		27.31	0.000070	0.35	8.99	5.72	0.08
Rio Grande	Grande1	15	Max WS	IC_TR030_TP24H	2.01	25.10	27.17		27.18	0.000035	0.24	8.43	5.48	0.06
Rio Grande	Grande1	15	Max WS	IC_TR200_TP36H	2.43	25.10	27.21		27.22	0.000047	0.28	8.61	5.56	0.06
Rio Grande	Grande1	15	Max WS	IC_TR030_TP36H	1.51	25.10	27.12		27.12	0.000022	0.18	8.20	5.39	0.04
Rio Grande	Grande1	15	Max WS	IC_TR030_TP01H	5.88	25.10	27.45		27.47	0.000191	0.61	9.63	6.00	0.13
Rio Grande	Grande1	15	Max WS	IC_TR200_TP01H	6.87	25.10	27.51		27.54	0.000237	0.69	9.92	6.12	0.15
Rio Grande	Grande1	15	Max WS	IC_TR030_TP03H	2.51	25.10	27.10		27.10	0.000062	0.31	8.10	5.35	0.07
Rio Grande	Grande1	15	Max WS	IC_TR200_TP03H	7.07	25.10	27.53		27.56	0.000243	0.71	10.01	6.16	0.15
Rio Grande	Grande1	15	Max WS	IC_TR200_TP06H	6.86	25.10	27.57		27.60	0.000216	0.67	10.19	6.24	0.14
Rio Grande	Grande1	15	Max WS	IC_TR030_TP06H	6.23	25.10	27.44		27.46	0.000217	0.65	9.60	5.99	0.14
Rio Grande	Grande1	15	Max WS	IC_TR030_TP09H	5.21	25.10	27.37		27.38	0.000170	0.56	9.28	5.85	0.12
Rio Grande	Grande1	15	Max WS	IC_TR200_TP09H	6.69	25.10	27.54		27.56	0.000215	0.67	10.04	6.17	0.14
Rio Grande	Grande1	14	Max WS	IC_TR200_TP18H	3.97	25.11	27.36		27.37	0.000160	0.47	8.38	5.84	0.13
Rio Grande	Grande1	14	Max WS	IC_TR030_TP18H	2.54	25.11	27.22		27.23	0.000086	0.34	7.57	5.57	0.09
Rio Grande	Grande1	14	Max WS	IC_TR200_TP24H	3.16	25.11	27.30		27.31	0.000114	0.39	8.01	5.72	0.11
Rio Grande	Grande1	14	Max WS	IC_TR030_TP24H	2.01	25.11	27.17		27.18	0.000059	0.28	7.30	5.48	0.08
Rio Grande	Grande1	14	Max WS	IC_TR200_TP36H	2.43	25.11	27.21		27.22	0.000079	0.32	7.53	5.56	0.09
Rio Grande	Grande1	14	Max WS	IC_TR030_TP36H	1.51	25.11	27.12		27.12	0.000037	0.22	7.02	5.38	0.06
Rio Grande	Grande1	14	Max WS	IC_TR030_TP01H	5.87	25.11	27.44		27.47	0.000302	0.66	8.85	5.99	0.17
Rio Grande	Grande1	14	Max WS	IC_TR200_TP01H	6.87	25.11	27.51		27.54	0.000367	0.74	9.26	6.11	0.19
Rio Grande	Grande1	14	Max WS	IC_TR030_TP03H	2.51	25.11	27.10		27.10	0.000107	0.36	6.89	5.34	0.10
Rio Grande	Grande1	14	Max WS	IC_TR200_TP03H	7.07	25.11	27.53		27.56	0.000375	0.75	9.38	6.15	0.19
Rio Grande	Grande1	14	Max WS	IC_TR200_TP06H	6.86	25.11	27.57		27.60	0.000328	0.71	9.64	6.23	0.18
Rio Grande	Grande1	14	Max WS	IC_TR030_TP06H	6.23	25.11	27.44		27.46	0.000344	0.71	8.81	5.98	0.19
Rio Grande	Grande1	14	Max WS	IC_TR030_TP09H	5.21	25.11	27.36		27.38	0.000275	0.62	8.38	5.84	0.17
Rio Grande	Grande1	14	Max WS	IC_TR200_TP09H	6.69	25.11	27.54		27.56	0.000331	0.71	9.42	6.17	0.18
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP18H	4.34	25.09	27.36		27.37	0.000202	0.53	8.19	5.87	0.14
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP18H	2.78	25.09	27.22		27.22	0.000109	0.38	7.39	5.59	0.10
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP24H	3.45	25.09	27.30		27.31	0.000144	0.44	7.83	5.75	0.12
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP24H	2.25	25.09	27.17		27.17	0.000079	0.32	7.13	5.50	0.09
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP36H	2.67	25.09	27.21		27.22	0.000102	0.36	7.35	5.58	0.10
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP36H	1.64	25.09	27.12		27.12	0.000047	0.24	6.85	5.40	0.07
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP01H	5.71	25.09	27.44		27.46	0.000301	0.66	8.67	6.03	0.18
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP01H	6.65	25.09	27.50		27.53	0.000361	0.73	9.08	6.16	0.19
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP03H	2.52	25.09	27.10		27.10	0.000115	0.37	6.72	5.36	0.11
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP03H	6.81	25.09	27.52		27.55	0.000366	0.74	9.20	6.20	0.19
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP06H	7.64	25.09	27.56		27.59	0.000435	0.81	9.40	6.24	0.21
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP06H	6.08	25.09	27.43		27.46	0.000346	0.71	8.63	6.01	0.19
Rio Grande	Grande2	13.667	Max WS	IC_TR030_TP09H	5.21	25.09	27.36		27.38	0.000291	0.64	8.19	5.87	0.17
Rio Grande	Grande2	13.667	Max WS	IC_TR200_TP09H	7.18	25.09	27.52		27.56	0.000406	0.78	9.20	6.20	0.20
Rio Grande	Grande2	13.6												
Rio Grande	Grande2	13.35												
Rio Grande	Grande2	13.333	Max WS	IC_TR200_TP18H	4.34	25.07	27.35		27.37	0.000206	0.53	8.16	5.92	0.14
Rio Grande	Grande2	13.333	Max WS	IC_TR030_TP18H	2.75	25.07	27.22		27.22	0.000108	0.37	7.36	5.66	0.10
Rio Grande	Grande2	13.333	Max WS	IC_TR200_TP24H	3.44	25.07	27.29		27.30	0.000144	0.44	7.81	5.79	0.12
Rio Grande	Grande2	13.333	Max WS	IC_TR030_TP24H	2.22	25.07	27.17		27.17	0.000078	0.31	7.10	5.57	0.09
Rio Grande	Grande2	13.333	Max WS	IC_TR200_TP36H	2.67	25.07	27.21		27.22	0.000103	0.36	7.33	5.65	0.

River	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
Rio Grande	Grande2	13	Max WS	IC_TR030_TP01H	5.52	25.05	27.43		27.45	0.000278	0.64	8.61	5.36	0.16
Rio Grande	Grande2	13	Max WS	IC_TR200_TP01H	6.37	25.05	27.50		27.52	0.000332	0.71	8.96	5.36	0.18
Rio Grande	Grande2	13	Max WS	IC_TR030_TP03H	2.51	25.05	27.09		27.10	0.000112	0.37	6.79	5.36	0.10
Rio Grande	Grande2	13	Max WS	IC_TR200_TP03H	6.43	25.05	27.52		27.54	0.000326	0.71	9.07	5.36	0.17
Rio Grande	Grande2	13	Max WS	IC_TR200_TP06H	7.19	25.05	27.55		27.58	0.000388	0.78	9.24	5.36	0.19
Rio Grande	Grande2	13	Max WS	IC_TR030_TP06H	5.87	25.05	27.42		27.45	0.000319	0.69	8.56	5.36	0.17
Rio Grande	Grande2	13	Max WS	IC_TR030_TP09H	5.11	25.05	27.35		27.37	0.000276	0.63	8.17	5.36	0.16
Rio Grande	Grande2	13	Max WS	IC_TR200_TP09H	6.79	25.05	27.52		27.54	0.000363	0.75	9.07	5.36	0.18
Rio Grande	Grande2	12	Max WS	IC_TR200_TP18H	4.28	25.01	27.34		27.36	0.000207	0.53	8.01	5.47	0.14
Rio Grande	Grande2	12	Max WS	IC_TR030_TP18H	2.82	25.01	27.21		27.22	0.000116	0.39	7.29	5.35	0.11
Rio Grande	Grande2	12	Max WS	IC_TR200_TP24H	3.69	25.01	27.29		27.30	0.000172	0.48	7.69	5.42	0.13
Rio Grande	Grande2	12	Max WS	IC_TR030_TP24H	2.28	25.01	27.17		27.17	0.000083	0.32	7.05	5.30	0.09
Rio Grande	Grande2	12	Max WS	IC_TR200_TP36H	2.74	25.01	27.21		27.21	0.000111	0.38	7.25	5.34	0.10
Rio Grande	Grande2	12	Max WS	IC_TR030_TP36H	1.68	25.01	27.12		27.12	0.000050	0.25	6.80	5.26	0.07
Rio Grande	Grande2	12	Max WS	IC_TR030_TP01H	5.54	25.01	27.42		27.44	0.000301	0.66	8.42	5.47	0.17
Rio Grande	Grande2	12	Max WS	IC_TR200_TP01H	6.40	25.01	27.48		27.51	0.000359	0.73	8.76	5.47	0.18
Rio Grande	Grande2	12	Max WS	IC_TR030_TP03H	2.52	25.01	27.09		27.09	0.000120	0.38	6.63	5.23	0.11
Rio Grande	Grande2	12	Max WS	IC_TR200_TP03H	6.31	25.01	27.51		27.53	0.000334	0.71	8.90	5.47	0.18
Rio Grande	Grande2	12	Max WS	IC_TR200_TP06H	6.96	25.01	27.54		27.57	0.000385	0.77	9.08	5.47	0.19
Rio Grande	Grande2	12	Max WS	IC_TR030_TP06H	5.87	25.01	27.41		27.44	0.000343	0.70	8.37	5.47	0.18
Rio Grande	Grande2	12	Max WS	IC_TR030_TP09H	5.14	25.01	27.34		27.36	0.000301	0.64	7.98	5.47	0.17
Rio Grande	Grande2	12	Max WS	IC_TR200_TP09H	6.69	25.01	27.51		27.54	0.000376	0.75	8.89	5.47	0.19
Rio Grande	Grande2	11	Max WS	IC_TR200_TP18H	4.29	25.00	27.34	25.56	27.36	0.000136	0.52	8.28	5.60	0.11
Rio Grande	Grande2	11	Max WS	IC_TR030_TP18H	2.82	25.00	27.21	25.42	27.22	0.000072	0.36	7.79	5.37	0.08
Rio Grande	Grande2	11	Max WS	IC_TR200_TP24H	3.69	25.00	27.29	25.51	27.30	0.000110	0.46	8.07	5.50	0.10
Rio Grande	Grande2	11	Max WS	IC_TR030_TP24H	2.28	25.00	27.17	25.37	27.17	0.000051	0.30	7.62	5.30	0.07
Rio Grande	Grande2	11	Max WS	IC_TR200_TP36H	2.74	25.00	27.21	25.42	27.21	0.000069	0.35	7.76	5.36	0.08
Rio Grande	Grande2	11	Max WS	IC_TR030_TP36H	1.68	25.00	27.12	25.30	27.12	0.000030	0.23	7.44	5.21	0.05
Rio Grande	Grande2	11	Max WS	IC_TR030_TP01H	5.55	25.00	27.42	25.66	27.44	0.000204	0.65	8.56	5.66	0.14
Rio Grande	Grande2	11	Max WS	IC_TR200_TP01H	6.41	25.00	27.48	25.73	27.51	0.000249	0.73	8.80	5.71	0.15
Rio Grande	Grande2	11	Max WS	IC_TR030_TP03H	2.52	25.00	27.09	25.39	27.09	0.000071	0.34	7.32	5.16	0.08
Rio Grande	Grande2	11	Max WS	IC_TR200_TP03H	6.33	25.00	27.51	25.72	27.53	0.000234	0.71	8.90	5.73	0.15
Rio Grande	Grande2	11	Max WS	IC_TR200_TP06H	6.97	25.00	27.54	25.77	27.57	0.000271	0.77	9.01	5.76	0.16
Rio Grande	Grande2	11	Max WS	IC_TR030_TP06H	5.88	25.00	27.41	25.69	27.44	0.000232	0.69	8.53	5.65	0.15
Rio Grande	Grande2	11	Max WS	IC_TR030_TP09H	5.14	25.00	27.34	25.63	27.36	0.000197	0.62	8.26	5.59	0.13
Rio Grande	Grande2	11	Max WS	IC_TR200_TP09H	6.70	25.00	27.51	25.75	27.54	0.000262	0.75	8.89	5.73	0.16
Rio Grande	Grande2	10.5												
Rio Grande	Grande2	10												
Rio Grande	Grande2	10	Max WS	IC_TR200_TP18H	4.28	25.00	27.33		27.34	0.000140	0.52	8.20	5.57	0.11
Rio Grande	Grande2	10	Max WS	IC_TR030_TP18H	2.82	25.00	27.20		27.21	0.000073	0.36	7.74	5.36	0.08
Rio Grande	Grande2	10	Max WS	IC_TR200_TP24H	3.69	25.00	27.27		27.28	0.000113	0.46	8.00	5.48	0.10
Rio Grande	Grande2	10	Max WS	IC_TR030_TP24H	2.29	25.00	27.16		27.17	0.000052	0.30	7.59	5.29	0.07
Rio Grande	Grande2	10	Max WS	IC_TR200_TP36H	2.74	25.00	27.20		27.20	0.000070	0.35	7.72	5.35	0.08
Rio Grande	Grande2	10	Max WS	IC_TR030_TP36H	1.69	25.00	27.11		27.12	0.000030	0.23	7.41	5.21	0.05
Rio Grande	Grande2	10	Max WS	IC_TR030_TP01H	5.54	25.00	27.39		27.41	0.000214	0.66	8.42	5.63	0.14
Rio Grande	Grande2	10	Max WS	IC_TR200_TP01H	6.31	25.00	27.44		27.46	0.000258	0.73	8.61	5.67	0.15
Rio Grande	Grande2	10	Max WS	IC_TR030_TP03H	2.52	25.00	27.08		27.09	0.000071	0.34	7.29	5.15	0.08
Rio Grande	Grande2	10	Max WS	IC_TR200_TP03H	6.31	25.00	27.46		27.49	0.000249	0.73	8.71	5.70	0.15
Rio Grande	Grande2	10	Max WS	IC_TR200_TP06H	6.95	25.00	27.48		27.51	0.000293	0.79	8.79	5.71	0.16
Rio Grande	Grande2	10	Max WS	IC_TR030_TP06H	5.88	25.00	27.37		27.40	0.000245	0.70	8.38	5.62	0.15
Rio Grande	Grande2	10	Max WS	IC_TR030_TP09H	5.14	25.00	27.31		27.33	0.000206	0.63	8.15	5.54	0.14
Rio Grande	Grande2	10	Max WS	IC_TR200_TP09H	6.69	25.00	27.45		27.48	0.000283	0.77	8.68	5.69	0.16
Rio Grande	Grande2	9.99												
Rio Grande	Grande2	9.98												
Rio Grande	Grande2	9												
Rio Grande	Grande2	9	Max WS	IC_TR200_TP18H	4.28	25.00	27.33		27.34	0.000126	0.44	8.20	5.57	0.11
Rio Grande	Grande2	9	Max WS	IC_TR030_TP18H	2.81	25.00	27.20		27.21	0.000069	0.31	8.99	6.58	0.09
Rio Grande	Grande2	9	Max WS	IC_TR200_TP24H	3.68	25.00	27.27		27.28	0.000103	0.39	9.45	6.74	0.11
Rio Grande	Grande2	9	Max WS	IC_TR030_TP24H	2.28	25.00	27.16		27.16	0.000049	0.26	8.70	6.49	0.07
Rio Grande	Grande2	9	Max WS	IC_TR200_TP36H	2.74	25.00	27.20		27.20	0.000066	0.31	8.95	6.57	0.08
Rio Grande	Grande2	9	Max WS	IC_TR030_TP36H	1.68	25.00	27.11		27.12	0.000029	0.20	8.40	6.38	0.06
Rio Grande	Grande2	9	Max WS	IC_TR030_TP01H	5.54	25.00	27.39		27.40	0.000210	0.54	10.28	7.79	0.15
Rio Grande	Grande2	9	Max WS	IC_TR200_TP01H	6.33	25.00	27.44		27.46	0.000245	0.59	10.69	7.84	0.16
Rio Grande	Grande2	9	Max WS	IC_TR030_TP03H	2.51	25.00	27.08		27.09	0.000070	0.31	8.21	6.31	0.09
Rio Grande	Grande2	9	Max WS	IC_TR200_TP03H	6.32	25.00	27.47		27.48	0.000231	0.58	10.89	7.86	0.16
Rio Grande	Grande2	9	Max WS	IC_TR200_TP06H	6.95	25.00	27.49		27.51	0.000267	0.63	11.06	7.88	0.17
Rio Grande	Grande2	9	Max WS	IC_TR030_TP06H	5.88	25.00	27.38		27.40	0.000242	0.58	10.19	7.78	0.16
Rio Grande	Grande2	9	Max WS	IC_TR030_TP09H	5.14	25.00	27.32		27.33	0.000186	0.53	9.73	6.84	0.14
Rio Grande	Grande2	9	Max WS	IC_TR200_TP09H	6.69	25.00	27.46		27.48	0.000263	0.62	10.84	7.86	0.17
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP18H	4.33	25.73	27.30		27.33	0.000458	0.70	6.20	6.07	0.22
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP18H	2.81	25.73	27.19		27.20	0.000253	0.51	5.55	5.62	0.16
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP24H	3.67	25.73	27.25		27.27	0.000368	0.62	5.90	5.82	0.20
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP24H	2.26	25.73	27.15		27.16	0.000182	0.42	5.33	5.52	0.14
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP36H	2.74	25.73	27.18		27.20	0.000243	0.50	5.52	5.61	0.16
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP36H	1.67	25.73	27.11		27.11	0.000112	0.33	5.10	5.42	0.11
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP01H	5.86	25.73	27.34		27.38	0.000769	0.91	6.44	6.27	0.29
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP01H	5.89	25.73	27.39		27.43	0.000697	0.87	6.74	6.47	0.27
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP03H	2.53	25.73	27.07		27.08	0.000289	0.52	4.88	5.32	0.17
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP03H	6.63	25.73	27.41		27.46	0.000838	0.96	6.91	6.62	0.30
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP06H	7.06	25.73	27.43		27.49	0.000913	1.00	7.05	6.76	0.31
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP06H	6.00	25.73	27.33		27.37	0.000828	0.94	6.36	6.21	0.30
Rio Grande	Grande2	8.75	Max WS	IC_TR030_TP09H	5.22	25.73	27.27		27.31	0.000707	0.86	6.03	5.93	0.27
Rio Grande	Grande2	8.75	Max WS	IC_TR200_TP09H	6.81	25.73	27.41		27.46	0.000897	0.99	6.86	6.57	0.31
Rio Grande	Grande2	8.5	Max WS	IC_TR200_TP18H	4.38	25.74	27.28		27.31	0.000475	0.70	6.23	6.33	0.23
Rio Grande	Grande2	8.5	Max WS	IC_TR030_TP18H	2.83	25.74	27.18		27.19	0.000259	0.51	5.60	5.91	0.17
Rio Grande	Grande2	8.5	Max WS	IC_TR200_TP24H	3.70	25.74	27.24		27.26	0.000379	0.62	5.95	6.10	0.20
Rio Grande	Grande2	8.5	Max WS	IC_TR030_TP24H	2.27	25.74	27.14		27.15	0.000185	0.42	5.39	5.81	0.14
Rio Grande	Grande2	8.5	Max WS	IC_TR200_TP36H	2.75	25.74	27.17		27.19	0.000248	0.49	5.57	5.90	0.16
Rio														

River	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
Rio Grande	Grande2	8.25	Max WS	IC_TR030_TP01H	6.50	25.75	27.25		27.30	0.001065	1.04	6.25	6.55	0.34
Rio Grande	Grande2	8.25	Max WS	IC_TR200_TP01H	6.84	25.75	27.29		27.34	0.001070	1.05	6.52	6.76	0.34
Rio Grande	Grande2	8.25	Max WS	IC_TR030_TP03H	2.57	25.75	27.05		27.06	0.000289	0.51	5.02	5.75	0.17
Rio Grande	Grande2	8.25	Max WS	IC_TR200_TP03H	7.22	25.75	27.32		27.38	0.001104	1.07	6.73	6.91	0.35
Rio Grande	Grande2	8.25	Max WS	IC_TR200_TP06H	7.40	25.75	27.35		27.41	0.001076	1.07	6.93	7.04	0.34
Rio Grande	Grande2	8.25	Max WS	IC_TR030_TP06H	6.23	25.75	27.25		27.30	0.000968	0.99	6.28	6.57	0.32
Rio Grande	Grande2	8.25	Max WS	IC_TR030_TP09H	5.36	25.75	27.21		27.25	0.000791	0.89	6.03	6.36	0.29
Rio Grande	Grande2	8.25	Max WS	IC_TR200_TP09H	7.09	25.75	27.32		27.38	0.001052	1.05	6.75	6.92	0.34
Rio Grande	Grande2	8	Max WS	IC_TR200_TP18H	4.47	25.00	27.26		27.27	0.000245	0.52	8.72	8.76	0.16
Rio Grande	Grande2	8	Max WS	IC_TR030_TP18H	2.86	25.00	27.17		27.17	0.000132	0.36	7.93	8.43	0.11
Rio Grande	Grande2	8	Max WS	IC_TR200_TP24H	3.75	25.00	27.22		27.23	0.000195	0.45	8.37	8.61	0.14
Rio Grande	Grande2	8	Max WS	IC_TR030_TP24H	2.28	25.00	27.13		27.14	0.000093	0.30	7.66	8.31	0.10
Rio Grande	Grande2	8	Max WS	IC_TR200_TP36H	2.77	25.00	27.16		27.17	0.000126	0.35	7.89	8.41	0.11
Rio Grande	Grande2	8	Max WS	IC_TR030_TP36H	1.66	25.00	27.10		27.10	0.000055	0.23	7.36	8.18	0.07
Rio Grande	Grande2	8	Max WS	IC_TR030_TP01H	6.83	25.00	27.23		27.26	0.000632	0.82	8.43	8.64	0.25
Rio Grande	Grande2	8	Max WS	IC_TR200_TP01H	7.34	25.00	27.26		27.30	0.000656	0.85	8.75	8.77	0.26
Rio Grande	Grande2	8	Max WS	IC_TR030_TP03H	2.58	25.00	27.04		27.05	0.000164	0.38	6.90	7.97	0.13
Rio Grande	Grande2	8	Max WS	IC_TR200_TP03H	7.49	25.00	27.30		27.33	0.000618	0.84	9.06	8.90	0.25
Rio Grande	Grande2	8	Max WS	IC_TR200_TP06H	7.66	25.00	27.33		27.36	0.000594	0.84	9.33	9.01	0.25
Rio Grande	Grande2	8	Max WS	IC_TR030_TP06H	6.34	25.00	27.24		27.27	0.000526	0.75	8.53	8.68	0.23
Rio Grande	Grande2	8	Max WS	IC_TR030_TP09H	5.44	25.00	27.20		27.22	0.000432	0.67	8.21	8.55	0.21
Rio Grande	Grande2	8	Max WS	IC_TR200_TP09H	7.27	25.00	27.30		27.34	0.000570	0.81	9.12	8.93	0.24
Rio Grande	Grande2	7	Max WS	IC_TR200_TP18H	4.50	24.95	27.25		27.27	0.000218	0.52	8.73	7.51	0.15
Rio Grande	Grande2	7	Max WS	IC_TR030_TP18H	2.87	24.95	27.16		27.17	0.000107	0.35	8.08	7.10	0.11
Rio Grande	Grande2	7	Max WS	IC_TR200_TP24H	3.77	24.95	27.21		27.22	0.000166	0.45	8.44	7.33	0.13
Rio Grande	Grande2	7	Max WS	IC_TR030_TP24H	2.28	24.95	27.13		27.14	0.000072	0.29	7.86	6.95	0.09
Rio Grande	Grande2	7	Max WS	IC_TR200_TP36H	2.78	24.95	27.16		27.17	0.000102	0.35	8.05	7.08	0.10
Rio Grande	Grande2	7	Max WS	IC_TR030_TP36H	1.66	24.95	27.10		27.10	0.000041	0.22	7.62	6.79	0.07
Rio Grande	Grande2	7	Max WS	IC_TR030_TP01H	7.05	24.95	27.21		27.24	0.000590	0.84	8.39	7.29	0.25
Rio Grande	Grande2	7	Max WS	IC_TR200_TP01H	7.66	24.95	27.24		27.28	0.000652	0.89	8.62	7.44	0.26
Rio Grande	Grande2	7	Max WS	IC_TR030_TP03H	2.59	24.95	27.04		27.04	0.000115	0.36	7.23	6.51	0.11
Rio Grande	Grande2	7	Max WS	IC_TR200_TP03H	7.64	24.95	27.28		27.32	0.000596	0.86	8.92	7.63	0.25
Rio Grande	Grande2	7	Max WS	IC_TR200_TP06H	7.79	24.95	27.31		27.35	0.000579	0.85	9.17	7.77	0.25
Rio Grande	Grande2	7	Max WS	IC_TR030_TP06H	6.41	24.95	27.22		27.25	0.000471	0.75	8.51	7.37	0.22
Rio Grande	Grande2	7	Max WS	IC_TR030_TP09H	5.49	24.95	27.19		27.21	0.000370	0.66	8.27	7.22	0.20
Rio Grande	Grande2	7	Max WS	IC_TR200_TP09H	7.38	24.95	27.29		27.32	0.000544	0.82	9.00	7.67	0.24
Rio Grande	Grande2	6	Max WS	IC_TR200_TP18H	4.51	24.90	27.25	25.90	27.26	0.000126	0.43	10.61	7.41	0.11
Rio Grande	Grande2	6	Max WS	IC_TR030_TP18H	2.87	24.90	27.16	25.73	27.17	0.000062	0.29	9.95	7.39	0.08
Rio Grande	Grande2	6	Max WS	IC_TR200_TP24H	3.78	24.90	27.21	25.83	27.22	0.000096	0.37	10.32	7.40	0.10
Rio Grande	Grande2	6	Max WS	IC_TR030_TP24H	2.28	24.90	27.13	25.65	27.14	0.000042	0.24	9.72	7.39	0.07
Rio Grande	Grande2	6	Max WS	IC_TR200_TP36H	2.79	24.90	27.16	25.72	27.16	0.000058	0.28	9.92	7.39	0.08
Rio Grande	Grande2	6	Max WS	IC_TR030_TP36H	1.65	24.90	27.10	25.56	27.10	0.000024	0.17	9.46	7.39	0.05
Rio Grande	Grande2	6	Max WS	IC_TR030_TP01H	7.13	24.90	27.21	26.11	27.23	0.000347	0.70	10.26	7.40	0.19
Rio Grande	Grande2	6	Max WS	IC_TR200_TP01H	7.78	24.90	27.24	26.15	27.27	0.000385	0.74	10.51	7.40	0.20
Rio Grande	Grande2	6	Max WS	IC_TR030_TP03H	2.60	24.90	27.04	25.69	27.04	0.000068	0.29	9.02	7.38	0.08
Rio Grande	Grande2	6	Max WS	IC_TR200_TP03H	7.70	24.90	27.28	26.15	27.30	0.000349	0.71	10.80	7.41	0.19
Rio Grande	Grande2	6	Max WS	IC_TR200_TP06H	7.81	24.90	27.31	26.16	27.34	0.000336	0.71	11.04	7.41	0.19
Rio Grande	Grande2	6	Max WS	IC_TR030_TP06H	6.44	24.90	27.22	26.06	27.24	0.000273	0.62	10.39	7.40	0.17
Rio Grande	Grande2	6	Max WS	IC_TR030_TP09H	5.51	24.90	27.19	25.98	27.21	0.000214	0.54	10.15	7.40	0.15
Rio Grande	Grande2	6	Max WS	IC_TR200_TP09H	7.41	24.90	27.29	26.13	27.31	0.000316	0.68	10.88	7.41	0.18
Rio Grande	Grande2	5.5												
Rio Grande	Grande2	5												
Rio Grande	Grande2	5	Max WS	IC_TR200_TP18H	4.51	25.15	27.25		27.26	0.000137	0.44	10.16	7.40	0.12
Rio Grande	Grande2	5	Max WS	IC_TR030_TP18H	2.87	25.15	27.16		27.17	0.000068	0.30	9.51	7.38	0.08
Rio Grande	Grande2	5	Max WS	IC_TR200_TP24H	3.78	25.15	27.21		27.22	0.000105	0.38	9.87	7.39	0.11
Rio Grande	Grande2	5	Max WS	IC_TR030_TP24H	2.28	25.15	27.13		27.13	0.000046	0.25	9.28	7.38	0.07
Rio Grande	Grande2	5	Max WS	IC_TR200_TP36H	2.79	25.15	27.16		27.16	0.000064	0.29	9.48	7.38	0.08
Rio Grande	Grande2	5	Max WS	IC_TR030_TP36H	1.65	25.15	27.10		27.10	0.000026	0.18	9.03	7.37	0.05
Rio Grande	Grande2	5	Max WS	IC_TR030_TP01H	7.13	25.15	27.19		27.22	0.000387	0.73	9.76	7.39	0.20
Rio Grande	Grande2	5	Max WS	IC_TR200_TP01H	7.78	25.15	27.22		27.26	0.000429	0.78	9.99	7.39	0.21
Rio Grande	Grande2	5	Max WS	IC_TR030_TP03H	2.60	25.15	27.03		27.04	0.000075	0.30	8.58	7.36	0.09
Rio Grande	Grande2	5	Max WS	IC_TR200_TP03H	7.66	25.15	27.27		27.29	0.000381	0.74	10.29	7.40	0.20
Rio Grande	Grande2	5	Max WS	IC_TR200_TP06H	7.81	25.15	27.30		27.33	0.000370	0.74	10.53	7.40	0.20
Rio Grande	Grande2	5	Max WS	IC_TR030_TP06H	6.44	25.15	27.21		27.24	0.000301	0.65	9.91	7.39	0.18
Rio Grande	Grande2	5	Max WS	IC_TR030_TP09H	5.51	25.15	27.18		27.20	0.000236	0.57	9.68	7.39	0.16
Rio Grande	Grande2	5	Max WS	IC_TR200_TP09H	7.41	25.15	27.28		27.30	0.000348	0.71	10.38	7.40	0.19
Rio Grande	Grande2	4.99												
Rio Grande	Grande2	4.98												
Rio Grande	Grande2	4												
Rio Grande	Grande2	4	Max WS	IC_TR200_TP18H	4.51	24.92	27.24		27.25	0.000189	0.53	8.51	5.13	0.13
Rio Grande	Grande2	4	Max WS	IC_TR030_TP18H	2.87	24.92	27.16		27.16	0.000088	0.36	8.09	5.13	0.09
Rio Grande	Grande2	4	Max WS	IC_TR200_TP24H	3.78	24.92	27.20		27.21	0.000141	0.45	8.32	5.13	0.11
Rio Grande	Grande2	4	Max WS	IC_TR030_TP24H	2.28	24.92	27.13		27.13	0.000059	0.29	7.93	5.13	0.07
Rio Grande	Grande2	4	Max WS	IC_TR200_TP36H	2.79	24.92	27.15		27.16	0.000084	0.35	8.06	5.13	0.09
Rio Grande	Grande2	4	Max WS	IC_TR030_TP36H	1.65	24.92	27.09		27.10	0.000033	0.21	7.76	5.13	0.06
Rio Grande	Grande2	4	Max WS	IC_TR030_TP01H	7.13	24.92	27.17		27.21	0.000533	0.88	8.15	5.13	0.22
Rio Grande	Grande2	4	Max WS	IC_TR200_TP01H	7.02	24.92	27.20		27.24	0.000488	0.84	8.32	5.13	0.21
Rio Grande	Grande2	4	Max WS	IC_TR030_TP03H	2.60	24.92	27.03		27.04	0.000091	0.35	7.44	5.13	0.09
Rio Grande	Grande2	4	Max WS	IC_TR200_TP03H	7.55	24.92	27.24		27.28	0.000528	0.89	8.52	5.13	0.22
Rio Grande	Grande2	4	Max WS	IC_TR200_TP06H	7.81	24.92	27.27		27.31	0.000536	0.90	8.68	5.13	0.22
Rio Grande	Grande2	4	Max WS	IC_TR030_TP06H	6.42	24.92	27.20		27.23	0.000413	0.78	8.28	5.13	0.19
Rio Grande	Grande2	4	Max WS	IC_TR030_TP09H	5.51	24.92	27.17		27.19	0.000318	0.68	8.15	5.13	0.17
Rio Grande	Grande2	4	Max WS	IC_TR200_TP09H	7.37	24.92	27.25		27.29	0.000492	0.86	8.59	5.13	0.21
Rio Grande	Grande2	3												
Rio Grande	Grande2	3	Max WS	IC_TR200_TP18H	4.51	24.71	27.24		27.25	0.000126	0.42	10.61	6.96	0.11
Rio Grande	Grande2	3	Max WS	IC_TR030_TP18H	2.87	24.71	27.16		27.16	0.000060	0.29	10.03	6.96	0.08
Rio Grande	Grande2	3	Max WS	IC_TR200_TP24H	3.78	24.71	27.20		27.21	0.000095	0.36	10.36	6.96	0.10
Rio Grande	Grande2	3	Max WS	IC_TR030_TP24H	2.28	24.71	27.13		27.13	0.000040	0.23	9.83	6.96	0.06
Rio Grande	Grande2	3	Max WS	IC_TR200_TP36H	2.79	24.71	27.15		27.16	0.000057	0.28	10.00	6.96	0.07

River	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
Rio Grande	Grande2	2	Max WS	IC_TR030_TP01H	7.13	24.73	27.17	25.48	27.20	0.000419	0.77	9.23	3.94	0.16
Rio Grande	Grande2	2	Max WS	IC_TR200_TP01H	7.02	24.73	27.20	25.47	27.23	0.000391	0.75	9.35	3.94	0.16
Rio Grande	Grande2	2	Max WS	IC_TR030_TP03H	2.60	24.73	27.03	25.13	27.03	0.000065	0.30	8.70	3.93	0.06
Rio Grande	Grande2	2	Max WS	IC_TR200_TP03H	7.51	24.73	27.24	25.50	27.27	0.000498	0.79	9.51	4.96	0.18
Rio Grande	Grande2	2	Max WS	IC_TR200_TP06H	7.81	24.73	27.27	25.52	27.30	0.000514	0.81	9.67	4.97	0.18
Rio Grande	Grande2	2	Max WS	IC_TR030_TP06H	6.42	24.73	27.19	25.43	27.22	0.000330	0.69	9.33	3.94	0.14
Rio Grande	Grande2	2	Max WS	IC_TR030_TP09H	5.51	24.73	27.17	25.36	27.18	0.000250	0.60	9.23	3.94	0.12
Rio Grande	Grande2	2	Max WS	IC_TR200_TP09H	7.36	24.73	27.25	25.49	27.28	0.000469	0.77	9.58	4.97	0.18
Rio Grande	Grande2	1.5			Bridge									
Rio Grande	Grande2	1	Max WS	IC_TR200_TP18H	4.51	24.73	27.23		27.24	0.000156	0.48	9.48	3.95	0.10
Rio Grande	Grande2	1	Max WS	IC_TR030_TP18H	2.87	24.73	27.15		27.16	0.000069	0.31	9.18	3.94	0.07
Rio Grande	Grande2	1	Max WS	IC_TR200_TP24H	3.78	24.73	27.20		27.20	0.000114	0.40	9.35	3.94	0.08
Rio Grande	Grande2	1	Max WS	IC_TR030_TP24H	2.28	24.73	27.12		27.13	0.000045	0.25	9.06	3.94	0.05
Rio Grande	Grande2	1	Max WS	IC_TR200_TP36H	2.79	24.73	27.15		27.15	0.000065	0.30	9.16	3.94	0.06
Rio Grande	Grande2	1	Max WS	IC_TR030_TP36H	1.66	24.73	27.09		27.09	0.000025	0.19	8.94	3.94	0.04
Rio Grande	Grande2	1	Max WS	IC_TR030_TP01H	7.13	24.73	27.14		27.17	0.000430	0.78	9.14	3.94	0.16
Rio Grande	Grande2	1	Max WS	IC_TR200_TP01H	6.95	24.73	27.18		27.21	0.000392	0.75	9.27	3.94	0.16
Rio Grande	Grande2	1	Max WS	IC_TR030_TP03H	2.60	24.73	27.03		27.03	0.000065	0.30	8.68	3.93	0.06
Rio Grande	Grande2	1	Max WS	IC_TR200_TP03H	7.45	24.73	27.21		27.25	0.000433	0.79	9.42	3.95	0.16
Rio Grande	Grande2	1	Max WS	IC_TR200_TP06H	7.80	24.73	27.24		27.28	0.000531	0.82	9.55	4.96	0.19
Rio Grande	Grande2	1	Max WS	IC_TR030_TP06H	6.40	24.73	27.17		27.20	0.000334	0.69	9.26	3.94	0.14
Rio Grande	Grande2	1	Max WS	IC_TR030_TP09H	5.51	24.73	27.15		27.17	0.000253	0.60	9.18	3.94	0.13
Rio Grande	Grande2	1	Max WS	IC_TR200_TP09H	7.35	24.73	27.23		27.26	0.000415	0.78	9.48	3.95	0.16
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP18H	4.51	24.73	27.23		27.24	0.000156	0.48	9.48	3.95	0.10
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP18H	2.87	24.73	27.15		27.16	0.000069	0.31	9.17	3.94	0.07
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP24H	3.78	24.73	27.20		27.20	0.000114	0.40	9.35	3.94	0.08
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP24H	2.28	24.73	27.12		27.13	0.000045	0.25	9.06	3.94	0.05
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP36H	2.78	24.73	27.15		27.15	0.000065	0.30	9.16	3.94	0.06
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP36H	1.66	24.73	27.09		27.09	0.000025	0.19	8.93	3.94	0.04
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP01H	7.13	24.73	27.14		27.17	0.000431	0.78	9.13	3.94	0.16
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP01H	6.94	24.73	27.18		27.21	0.000392	0.75	9.27	3.94	0.16
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP03H	2.60	24.73	27.03		27.03	0.000065	0.30	8.68	3.93	0.06
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP03H	7.44	24.73	27.21		27.24	0.000434	0.79	9.41	3.95	0.16
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP06H	7.80	24.73	27.24		27.28	0.000532	0.82	9.55	4.96	0.19
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP06H	6.40	24.73	27.17		27.20	0.000334	0.69	9.26	3.94	0.14
Rio Grande	Grande2	0.5	Max WS	IC_TR030_TP09H	5.51	24.73	27.15		27.17	0.000254	0.60	9.18	3.94	0.13
Rio Grande	Grande2	0.5	Max WS	IC_TR200_TP09H	7.35	24.73	27.23		27.26	0.000416	0.78	9.47	3.95	0.16
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP18H	0.98	28.86	29.63		29.70	0.008042	1.21	0.80	1.87	0.59
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP18H	0.65	28.86	29.50		29.57	0.008153	1.11	0.59	1.59	0.58
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP24H	0.81	28.86	29.57		29.64	0.008007	1.16	0.70	1.74	0.58
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP24H	0.54	28.86	29.45		29.51	0.008188	1.06	0.51	1.47	0.58
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP36H	0.62	28.86	29.49		29.55	0.008090	1.09	0.57	1.57	0.58
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP36H	0.41	28.86	29.38		29.43	0.008247	0.99	0.41	1.35	0.57
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP01H	1.01	28.86	29.64		29.72	0.008034	1.22	0.82	1.90	0.59
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP01H	1.40	28.86	29.76		29.85	0.007968	1.32	1.06	2.17	0.60
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP03H	0.65	28.86	29.50		29.57	0.008153	1.11	0.59	1.59	0.58
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP03H	1.91	28.86	29.88		29.98	0.008172	1.41	1.36	2.63	0.62
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP06H	2.33	28.86	29.96		30.07	0.008546	1.48	1.58	2.97	0.65
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP06H	1.60	28.86	29.81		29.90	0.007969	1.36	1.18	2.30	0.61
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR030_TP09H	1.35	28.86	29.74		29.83	0.007987	1.31	1.03	2.14	0.60
Rio Caselle	Caselle1.1	44.31	Max WS	IC_TR200_TP09H	1.99	28.86	29.90		30.00	0.008256	1.42	1.40	2.69	0.63
Rio Caselle	Caselle1.1	44.307			Lat Struct									
Rio Caselle	Caselle1.1	44.306			Lat Struct									
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP18H	0.98	28.67	29.44		29.52	0.007773	1.20	0.82	1.88	0.58
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP18H	0.65	28.67	29.32		29.38	0.007767	1.09	0.60	1.59	0.57
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP24H	0.81	28.67	29.39		29.45	0.007763	1.14	0.71	1.74	0.57
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP24H	0.54	28.67	29.26		29.32	0.007821	1.04	0.51	1.47	0.56
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP36H	0.62	28.67	29.31		29.37	0.007798	1.08	0.58	1.56	0.57
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP36H	0.41	28.67	29.19		29.24	0.007940	0.98	0.42	1.31	0.56
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP01H	1.01	28.67	29.45		29.53	0.007811	1.21	0.83	1.91	0.58
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP01H	1.40	28.67	29.57		29.66	0.007911	1.30	1.07	2.22	0.60
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP03H	0.65	28.67	29.32		29.38	0.007766	1.09	0.60	1.59	0.57
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP03H	1.90	28.67	29.69		29.79	0.007909	1.38	1.38	2.65	0.61
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP06H	2.28	28.67	29.77		29.88	0.008248	1.42	1.60	3.12	0.63
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP06H	1.60	28.67	29.62		29.71	0.007933	1.34	1.19	2.40	0.61
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR030_TP09H	1.35	28.67	29.56		29.64	0.007918	1.29	1.04	2.18	0.60
Rio Caselle	Caselle1.1	44.305	Max WS	IC_TR200_TP09H	1.97	28.67	29.71		29.81	0.007898	1.39	1.42	2.71	0.61
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP18H	0.98	28.47	29.29		29.35	0.005985	1.06	0.92	2.07	0.51
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP18H	0.65	28.47	29.17		29.22	0.005638	0.95	0.69	1.76	0.48
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP24H	0.81	28.47	29.24		29.29	0.005827	1.01	0.80	1.92	0.50
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP24H	0.54	28.47	29.12		29.16	0.005569	0.90	0.59	1.61	0.47
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP36H	0.62	28.47	29.16		29.20	0.005686	0.94	0.66	1.72	0.48
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP36H	0.41	28.47	29.05		29.08	0.005448	0.84	0.48	1.42	0.46
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP01H	1.01	28.47	29.30		29.36	0.006023	1.08	0.94	2.10	0.51
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP01H	1.40	28.47	29.41		29.49	0.006167	1.18	1.19	2.34	0.53
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP03H	0.65	28.47	29.17		29.22	0.005637	0.95	0.69	1.76	0.48
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP03H	1.90	28.47	29.54		29.62	0.006285	1.28	1.49	2.66	0.54
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP06H	2.27	28.47	29.61		29.70	0.006421	1.34	1.69	2.86	0.56
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP06H	1.60	28.47	29.47		29.54	0.006173	1.22	1.31	2.48	0.53
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR030_TP09H	1.35	28.47	29.40		29.47	0.006137	1.17	1.15	2.30	0.53
Rio Caselle	Caselle1.1	44.3	Max WS	IC_TR200_TP09H	1.97	28.47	29.55		29.64	0.006317	1.29	1.53	2.70	0.55
Rio Caselle	Caselle1.1	44.297	Max WS	IC_TR200_TP18H	0.98	28.33	29.12		29.18	0.006101	1.06	0.92	2.21	0.53
Rio Caselle	Caselle1.1	44.297	Max WS	IC_TR030_TP18H	0.65	28.33	29.02		29.06	0.005258	0.91	0.71	1.92	0.48
Rio Caselle	Caselle1.1	44.297	Max WS	IC_TR200_TP24H	0.81	28.33	29.08		29.12	0.005565	0.98	0.82	2.07	0.50
Rio Caselle	Caselle1.1	44.297	Max WS	IC_TR030_TP24H	0.54	28.33	28.96		29.00	0.005515	0.89	0.60	1.76	0.48
Rio Caselle	Caselle1.1	44.297	Max WS	IC_TR200_TP36H	0.62	28.								



HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR030_TP01H	0.94	28.19	29.02		29.05	0.003208	0.79	1.20	2.92	0.39
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR200_TP01H	1.24	28.19	29.07		29.12	0.003736	0.90	1.37	3.01	0.43
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR030_TP03H	0.65	28.19	28.90		28.93	0.003871	0.75	0.87	2.74	0.42
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR200_TP03H	1.56	28.19	29.12		29.18	0.004408	1.03	1.52	3.09	0.47
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR200_TP06H	1.78	28.19	29.15		29.22	0.004858	1.10	1.61	3.11	0.49
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR030_TP06H	1.37	28.19	29.10		29.14	0.004012	0.95	1.43	3.04	0.44
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR030_TP09H	1.20	28.19	29.07		29.11	0.003649	0.89	1.35	3.00	0.42
Rio Caselle	Caselle1.1	44.293	Max WS	IC_TR200_TP09H	1.60	28.19	29.13		29.19	0.004499	1.04	1.54	3.09	0.47
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP18H	0.82	28.08	28.96		29.00	0.001331	0.58	1.41	2.81	0.26
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP18H	0.64	28.08	28.85		28.87	0.001752	0.60	1.07	2.54	0.29
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP24H	0.75	28.08	28.93		28.95	0.001467	0.59	1.27	2.70	0.27
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP24H	0.54	28.08	28.77		28.79	0.002213	0.62	0.87	2.35	0.33
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP36H	0.62	28.08	28.81		28.83	0.002121	0.64	0.98	2.45	0.32
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP36H	0.41	28.08	28.67		28.69	0.002842	0.63	0.64	2.06	0.36
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP01H	0.83	28.08	28.99		29.00	0.001309	0.58	1.44	2.83	0.26
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP01H	0.95	28.08	29.06		29.07	0.001207	0.58	1.63	2.94	0.25
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP03H	0.64	28.08	28.85		28.87	0.001752	0.60	1.07	2.54	0.29
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP03H	1.08	28.08	29.12		29.13	0.001210	0.60	1.81	3.14	0.25
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP06H	1.17	28.08	29.15		29.17	0.001264	0.61	1.93	3.38	0.26
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP06H	1.01	28.08	29.08		29.10	0.001186	0.59	1.71	2.98	0.25
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR030_TP09H	0.94	28.08	29.05		29.07	0.001210	0.58	1.61	2.93	0.25
Rio Caselle	Caselle1.1	44.291	Max WS	IC_TR200_TP09H	1.10	28.08	29.12		29.14	0.001217	0.60	1.84	3.19	0.25
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP18H	0.81	28.04	28.94		28.98	0.001967	0.92	0.88	2.71	0.34
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP18H	0.64	28.04	28.81		28.85	0.002334	0.88	0.73	2.47	0.36
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP24H	0.75	28.04	28.89		28.93	0.002128	0.91	0.82	2.61	0.35
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP24H	0.54	28.04	28.73		28.77	0.002637	0.85	0.63	2.31	0.38
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP36H	0.61	28.04	28.77		28.81	0.002674	0.90	0.68	2.39	0.38
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP36H	0.41	28.04	28.63		28.66	0.003016	0.80	0.51	2.07	0.39
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP01H	0.82	28.04	28.95		28.99	0.001934	0.92	0.89	2.72	0.34
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP01H	0.90	28.04	29.02		29.06	0.001728	0.92	0.97	2.86	0.33
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP03H	0.64	28.04	28.81		28.85	0.002334	0.88	0.73	2.47	0.36
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP03H	0.97	28.04	29.08		29.13	0.005216	0.90	1.08	2.97	0.48
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP06H	1.01	28.04	29.13		29.16	0.004101	0.84	1.20	3.03	0.42
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP06H	0.93	28.04	29.04		29.09	0.001654	0.92	1.01	2.91	0.32
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR030_TP09H	0.89	28.04	29.01		29.05	0.001747	0.92	0.97	2.85	0.33
Rio Caselle	Caselle1.1	44.29	Max WS	IC_TR200_TP09H	0.98	28.04	29.09		29.13	0.004939	0.88	1.11	2.98	0.46
Rio Caselle	Caselle1.1	44.287												
Rio Caselle	Caselle1.1	44.285												
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP18H	0.81	28.04	28.73		28.81	0.005471	1.26	0.64	2.32	0.55
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP18H	0.64	28.04	28.64		28.71	0.006627	1.22	0.53	2.08	0.59
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP24H	0.75	28.04	28.69		28.77	0.005989	1.26	0.59	2.21	0.57
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP24H	0.54	28.04	28.58		28.65	0.007376	1.17	0.46	1.94	0.61
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP36H	0.63	28.04	28.62		28.70	0.006920	1.23	0.51	2.05	0.60
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP36H	0.41	28.04	28.51		28.57	0.008162	1.08	0.38	1.78	0.62
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP01H	0.82	28.04	28.73		28.82	0.005415	1.27	0.64	2.34	0.55
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP01H	0.90	28.04	28.79		28.87	0.004793	1.27	0.71	2.51	0.53
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP03H	0.64	28.04	28.64		28.71	0.006627	1.22	0.53	2.08	0.59
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP03H	0.97	28.04	28.84		28.92	0.004184	1.26	0.77	2.67	0.50
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP06H	1.01	28.04	28.88		28.96	0.003668	1.23	0.82	2.80	0.47
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP06H	0.93	28.04	28.81		28.89	0.004594	1.27	0.73	2.57	0.52
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR030_TP09H	0.89	28.04	28.78		28.86	0.004861	1.27	0.70	2.49	0.53
Rio Caselle	Caselle1.1	44.285	Max WS	IC_TR200_TP09H	0.98	28.04	28.85		28.93	0.004000	1.24	0.79	2.71	0.49
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP18H	0.81	27.98	28.70		28.77	0.004450	1.17	0.69	2.43	0.50
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP18H	0.64	27.98	28.60		28.67	0.005574	1.14	0.56	2.13	0.54
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP24H	0.75	27.98	28.66		28.73	0.004932	1.17	0.64	2.30	0.52
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP24H	0.54	27.98	28.53		28.60	0.006451	1.11	0.48	1.96	0.57
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP36H	0.62	27.98	28.58		28.65	0.005856	1.14	0.54	2.09	0.55
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP36H	0.41	27.98	28.46		28.52	0.007598	1.05	0.39	1.74	0.59
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP01H	0.82	27.98	28.71		28.78	0.004395	1.17	0.70	2.45	0.50
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP01H	0.90	27.98	28.77		28.84	0.003860	1.17	0.77	2.63	0.47
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP03H	0.64	27.98	28.60		28.67	0.005574	1.14	0.56	2.13	0.54
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP03H	0.97	27.98	28.82		28.89	0.003357	1.16	0.84	2.82	0.45
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP06H	1.01	27.98	28.87		28.93	0.002933	1.13	0.89	3.09	0.42
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP06H	0.93	27.98	28.79		28.86	0.003697	1.17	0.79	2.69	0.47
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR030_TP09H	0.89	27.98	28.76		28.83	0.003915	1.17	0.76	2.61	0.48
Rio Caselle	Caselle1.1	44.283*	Max WS	IC_TR200_TP09H	0.98	27.98	28.84		28.90	0.003200	1.14	0.85	2.89	0.44
Rio Caselle	Caselle1.1	44.282												
Rio Caselle	Caselle1.1	44.2819*												
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP18H	0.81	27.92	28.68		28.74	0.003462	1.07	0.76	2.60	0.44
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP18H	0.64	27.92	28.57		28.63	0.004357	1.04	0.62	2.23	0.48
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP24H	0.75	27.92	28.64		28.70	0.003835	1.07	0.70	2.44	0.46
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP24H	0.54	27.92	28.50		28.55	0.005116	1.02	0.53	2.01	0.50
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP36H	0.62	27.92	28.55		28.61	0.004600	1.05	0.59	2.17	0.49
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP36H	0.41	27.92	28.42		28.46	0.006365	0.97	0.42	1.72	0.54
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP01H	0.82	27.92	28.67		28.75	0.003422	1.07	0.76	2.63	0.44
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP01H	0.90	27.92	28.75		28.81	0.003018	1.07	0.84	2.88	0.42
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP03H	0.64	27.92	28.57		28.63	0.004357	1.04	0.62	2.23	0.48
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP03H	0.97	27.92	28.81		28.87	0.002636	1.06	0.92	3.12	0.40
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP06H	1.01	27.92	28.86		28.91	0.002308	1.03	0.98	3.31	0.38
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP06H	0.93	27.92	28.77		28.83	0.002892	1.07	0.87	2.96	0.41
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR030_TP09H	0.89	27.92	28.74		28.80	0.003054	1.07	0.83	2.85	0.42
Rio Caselle	Caselle1.1	44.2819*	Max WS	IC_TR200_TP09H	0.98	27.92	28.82		28.88	0.002508	1.05	0.93	3.17	0.39
Rio Caselle	Caselle1.1	44.281												
Rio Caselle	Caselle1.1	44.28												
Rio Caselle	Caselle1.1	44.28	Max WS	IC_TR200_TP18H	0.81	27.86	28.67		28.71	0.002618	0.97	0.84	2.79	0.39
Rio Caselle														

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR200_TP36H	0.62	27.77	28.48		28.52	0.003239	0.91	0.69	2.06	0.40
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR030_TP36H	0.41	27.77	28.36		28.39	0.003289	0.77	0.53	1.64	0.39
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR030_TP01H	0.82	27.77	28.57		28.62	0.003288	1.01	0.81	2.38	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR200_TP01H	0.90	27.77	28.61		28.67	0.003198	1.05	0.86	2.52	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR030_TP03H	0.64	27.77	28.49		28.53	0.003235	0.92	0.70	2.10	0.40
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR200_TP03H	0.97	27.77	28.64		28.70	0.003180	1.08	0.90	2.63	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR200_TP06H	1.01	27.77	28.66		28.72	0.003160	1.09	0.92	2.68	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR030_TP06H	0.93	27.77	28.62		28.68	0.003204	1.06	0.88	2.56	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR030_TP09H	0.89	27.77	28.61		28.66	0.003207	1.04	0.85	2.51	0.41
Rio Caselle	Caselle1.1	44.26	Max WS	IC_TR200_TP09H	0.98	27.77	28.64		28.70	0.003174	1.08	0.90	2.63	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP18H	0.81	27.75	28.54		28.58	0.003357	0.82	0.98	2.25	0.40
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP18H	0.64	27.75	28.46		28.49	0.003624	0.80	0.80	2.01	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP24H	0.75	27.75	28.51		28.55	0.003466	0.82	0.91	2.16	0.40
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP24H	0.54	27.75	28.40		28.43	0.003759	0.78	0.69	1.85	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP36H	0.62	27.75	28.45		28.48	0.003656	0.80	0.78	1.98	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP36H	0.41	27.75	28.32		28.35	0.003844	0.74	0.55	1.63	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP01H	0.82	27.75	28.55		28.58	0.003339	0.82	0.99	2.26	0.40
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP01H	0.90	27.75	28.59		28.63	0.003151	0.83	1.09	2.38	0.39
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP03H	0.64	27.75	28.46		28.49	0.003624	0.80	0.80	2.01	0.41
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP03H	0.97	27.75	28.63		28.66	0.003009	0.83	1.18	2.48	0.38
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP06H	1.01	27.75	28.65		28.68	0.002928	0.82	1.22	2.53	0.38
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP06H	0.93	27.75	28.61		28.64	0.003108	0.83	1.12	2.42	0.39
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR030_TP09H	0.89	27.75	28.59		28.62	0.003175	0.83	1.08	2.37	0.39
Rio Caselle	Caselle1.1	44.258*	Max WS	IC_TR200_TP09H	0.98	27.75	28.63		28.66	0.002990	0.82	1.18	2.49	0.38
Rio Caselle	Caselle1.1	44.257												
					Lat Struct									
Rio Caselle	Caselle1.1	44.256			Lat Struct									
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP18H	0.81	27.73	28.51		28.54	0.003248	0.82	0.98	2.17	0.39
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP18H	0.64	27.73	28.42		28.46	0.003358	0.81	0.80	1.96	0.40
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP24H	0.75	27.73	28.48		28.51	0.003364	0.82	0.91	2.09	0.40
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP24H	0.54	27.73	28.36		28.39	0.003711	0.78	0.68	1.82	0.41
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP36H	0.62	27.73	28.41		28.44	0.003572	0.80	0.78	1.93	0.40
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP36H	0.41	27.73	28.28		28.31	0.003850	0.74	0.55	1.63	0.41
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP01H	0.82	27.73	28.51		28.55	0.003227	0.82	0.99	2.18	0.39
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP01H	0.90	27.73	28.56		28.59	0.003040	0.82	1.09	2.30	0.38
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP03H	0.64	27.73	28.42		28.46	0.003535	0.81	0.80	1.96	0.40
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP03H	0.97	27.73	28.60		28.63	0.002902	0.82	1.18	2.39	0.38
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP06H	1.01	27.73	28.62		28.65	0.002827	0.82	1.22	2.44	0.37
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP06H	0.93	27.73	28.57		28.61	0.002998	0.83	1.13	2.33	0.38
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR030_TP09H	0.89	27.73	28.55		28.59	0.003064	0.83	1.08	2.28	0.38
Rio Caselle	Caselle1.1	44.255	Max WS	IC_TR200_TP09H	0.98	27.73	28.60		28.63	0.002883	0.82	1.19	2.40	0.37
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP18H	0.81	27.70	28.48		28.51	0.003086	0.81	1.00	2.22	0.38
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP18H	0.64	27.70	28.39		28.42	0.003398	0.80	0.81	1.98	0.40
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP24H	0.75	27.70	28.44		28.48	0.003205	0.81	0.93	2.12	0.39
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP24H	0.54	27.70	28.32		28.35	0.003607	0.78	0.69	1.82	0.40
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP36H	0.62	27.70	28.37		28.41	0.003436	0.79	0.78	1.95	0.40
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP36H	0.41	27.70	28.24		28.27	0.003836	0.74	0.55	1.65	0.41
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP01H	0.82	27.70	28.48		28.52	0.003068	0.81	1.01	2.23	0.38
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP01H	0.90	27.70	28.53		28.56	0.002869	0.80	1.12	2.37	0.37
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP03H	0.64	27.70	28.39		28.42	0.003398	0.80	0.81	1.98	0.40
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP03H	0.97	27.70	28.57		28.60	0.002715	0.80	1.21	2.49	0.37
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP06H	1.01	27.70	28.59		28.62	0.002658	0.80	1.26	2.57	0.36
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP06H	0.93	27.70	28.55		28.58	0.002822	0.80	1.16	2.42	0.37
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR030_TP09H	0.89	27.70	28.53		28.56	0.002901	0.81	1.11	2.35	0.38
Rio Caselle	Caselle1.1	44.253*	Max WS	IC_TR200_TP09H	0.98	27.70	28.57		28.61	0.002698	0.80	1.22	2.50	0.36
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP18H	0.81	27.68	28.43		28.48	0.002632	0.94	0.86	2.28	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP18H	0.64	27.68	28.35		28.39	0.002779	0.88	0.73	2.00	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP24H	0.75	27.68	28.40		28.44	0.002689	0.92	0.81	2.17	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP24H	0.54	27.68	28.28		28.32	0.002924	0.83	0.65	1.83	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP36H	0.62	27.68	28.33		28.37	0.002799	0.87	0.72	1.97	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP36H	0.41	27.68	28.21		28.24	0.003163	0.76	0.54	1.65	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP01H	0.82	27.68	28.44		28.48	0.002624	0.95	0.86	2.30	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP01H	0.90	27.68	28.48		28.53	0.002516	0.97	0.93	2.45	0.38
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP03H	0.64	27.68	28.35		28.39	0.002779	0.88	0.73	2.00	0.39
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP03H	0.97	27.68	28.52		28.57	0.002450	1.00	0.98	2.57	0.38
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP06H	1.01	27.68	28.54		28.59	0.002416	1.01	1.00	2.64	0.38
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP06H	0.93	27.68	28.50		28.55	0.002505	0.98	0.94	2.50	0.38
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR030_TP09H	0.89	27.68	28.48		28.53	0.002534	0.97	0.92	2.43	0.38
Rio Caselle	Caselle1.1	44.25	Max WS	IC_TR200_TP09H	0.98	27.68	28.52		28.57	0.002439	1.00	0.98	2.58	0.38
Rio Caselle	Caselle1.1	44.24			Culvert									
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP18H	0.81	27.67	28.34		28.40	0.004264	1.10	0.74	2.13	0.48
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP18H	0.64	27.67	28.28		28.33	0.004064	0.99	0.65	1.95	0.46
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP24H	0.75	27.67	28.31		28.37	0.004200	1.06	0.70	2.05	0.48
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP24H	0.54	27.67	28.23		28.27	0.004500	0.92	0.58	1.84	0.45
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP36H	0.62	27.67	28.27		28.32	0.004051	0.97	0.64	1.93	0.46
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP36H	0.41	27.67	28.17		28.20	0.004058	0.82	0.50	1.69	0.44
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP01H	0.82	27.67	28.34		28.40	0.004284	1.10	0.74	2.14	0.49
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP01H	0.90	27.67	28.37		28.44	0.004349	1.15	0.78	2.24	0.49
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP03H	0.64	27.67	28.28		28.33	0.004064	0.99	0.65	1.95	0.46
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP03H	0.97	27.67	28.39		28.47	0.004378	1.19	0.81	2.32	0.50
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP06H	1.01	27.67	28.40		28.48	0.004544	1.22	0.82	2.34	0.51
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP06H	0.93	27.67	28.38		28.45	0.004408	1.17	0.79	2.26	0.50
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR030_TP09H	0.89	27.67	28.37		28.43	0.004356	1.15	0.78	2.22	0.49
Rio Caselle	Caselle1.1	44.23	Max WS	IC_TR200_TP09H	0.98	27.67	28.39		28.47	0.004407	1.20	0.82	2.32	0.50
Rio Caselle	Caselle1.1	44.229*	Max WS	IC_TR200_TP18H	0.81	27.65								

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP18H	0.81	27.59	28.27		28.31	0.004347	0.89	0.91	2.38	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP18H	0.64	27.59	28.20		28.24	0.004394	0.85	0.76	2.14	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP24H	0.75	27.59	28.24		28.28	0.004386	0.88	0.85	2.29	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP24H	0.54	27.59	28.15		28.19	0.004435	0.82	0.65	1.97	0.45
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP36H	0.62	27.59	28.19		28.23	0.004394	0.84	0.74	2.11	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP36H	0.41	27.59	28.09		28.12	0.004453	0.77	0.53	1.77	0.45
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP01H	0.82	27.59	28.27		28.31	0.004354	0.89	0.91	2.39	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP01H	0.90	27.59	28.30		28.34	0.004290	0.91	0.99	2.50	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP03H	0.64	27.59	28.20		28.24	0.004394	0.85	0.76	2.14	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP03H	0.97	27.59	28.33		28.37	0.004105	0.91	1.07	2.61	0.45
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP06H	1.01	27.59	28.34		28.38	0.004300	0.93	1.08	2.62	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP06H	0.93	27.59	28.31		28.35	0.004335	0.92	1.01	2.53	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR030 TP09H	0.89	27.59	28.30		28.34	0.004332	0.91	0.98	2.48	0.46
Rio Caselle	Caselle1.1	44.225	Max WS	IC TR200 TP09H	0.97	27.59	28.33		28.37	0.004076	0.91	1.07	2.61	0.45
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP18H	0.81	27.50	28.20		28.23	0.003302	0.81	0.99	2.40	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP18H	0.64	27.50	28.13		28.16	0.003328	0.77	0.84	2.23	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP24H	0.75	27.50	28.17		28.21	0.003309	0.80	0.94	2.34	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP24H	0.54	27.50	28.08		28.11	0.003325	0.73	0.73	2.10	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP36H	0.62	27.50	28.12		28.15	0.003318	0.76	0.82	2.20	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP36H	0.41	27.50	28.01		28.04	0.003379	0.69	0.59	1.91	0.39
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP01H	0.82	27.50	28.20		28.24	0.003315	0.82	1.00	2.40	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP01H	0.90	27.50	28.23		28.27	0.003264	0.84	1.08	2.44	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP03H	0.64	27.50	28.13		28.16	0.003328	0.77	0.84	2.23	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP03H	0.97	27.50	28.27		28.30	0.003063	0.83	1.16	2.49	0.39
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP06H	0.97	27.50	28.27		28.31	0.002957	0.82	1.17	2.49	0.38
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP06H	0.93	27.50	28.24		28.28	0.003331	0.85	1.10	2.45	0.41
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR030 TP09H	0.89	27.50	28.23		28.26	0.003314	0.84	1.06	2.44	0.40
Rio Caselle	Caselle1.1	44.22	Max WS	IC TR200 TP09H	0.95	27.50	28.27		28.30	0.002897	0.81	1.17	2.49	0.38
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP18H	0.81	27.38	28.10		28.14	0.003333	0.82	0.99	2.34	0.40
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP18H	0.64	27.38	28.03		28.06	0.003316	0.77	0.84	2.19	0.40
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP24H	0.75	27.38	28.08		28.11	0.003300	0.80	0.93	2.28	0.40
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP24H	0.54	27.38	27.99		28.01	0.003302	0.73	0.73	2.07	0.39
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP36H	0.62	27.38	28.03		28.05	0.003306	0.76	0.82	2.17	0.40
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP36H	0.41	27.38	27.91		27.94	0.003391	0.69	0.59	1.88	0.39
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP01H	0.82	27.38	28.10		28.14	0.003368	0.82	0.99	2.35	0.41
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP01H	0.90	27.38	28.14		28.17	0.003366	0.84	1.07	2.49	0.41
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP03H	0.64	27.38	28.03		28.06	0.003316	0.77	0.84	2.19	0.40
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP03H	0.91	27.38	28.19		28.22	0.002545	0.76	1.20	2.55	0.35
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP06H	0.90	27.38	28.20		28.23	0.002288	0.73	1.23	2.56	0.34
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP06H	0.93	27.38	28.14		28.18	0.003505	0.86	1.08	2.49	0.42
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR030 TP09H	0.89	27.38	28.13		28.17	0.003479	0.85	1.05	2.46	0.41
Rio Caselle	Caselle1.1	44.217	Max WS	IC TR200 TP09H	0.90	27.38	28.20		28.23	0.002276	0.73	1.23	2.56	0.34
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP18H	0.81	27.25	28.00		28.03	0.003457	0.83	0.97	2.25	0.40
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP18H	0.64	27.25	27.94		27.97	0.003371	0.77	0.83	2.13	0.40
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP24H	0.74	27.25	27.98		28.01	0.003412	0.81	0.92	2.21	0.40
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP24H	0.54	27.25	27.89		27.91	0.003358	0.73	0.73	2.03	0.39
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP36H	0.62	27.25	27.93		27.96	0.003338	0.76	0.81	2.12	0.39
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP36H	0.41	27.25	27.82		27.84	0.003447	0.69	0.59	1.85	0.39
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP01H	0.82	27.25	28.00		28.03	0.003542	0.84	0.97	2.25	0.41
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP01H	0.91	27.25	28.03		28.07	0.003503	0.86	1.05	2.29	0.41
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP03H	0.64	27.25	27.94		27.97	0.003371	0.77	0.83	2.13	0.40
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP03H	0.93	27.25	28.11		28.14	0.002631	0.75	1.24	2.71	0.35
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP06H	0.91	27.25	28.14		28.16	0.002190	0.70	1.30	2.71	0.32
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP06H	0.92	27.25	28.03		28.07	0.003627	0.88	1.05	2.29	0.42
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR030 TP09H	0.89	27.25	28.02		28.06	0.003584	0.87	1.03	2.28	0.41
Rio Caselle	Caselle1.1	44.213	Max WS	IC TR200 TP09H	0.91	27.25	28.13		28.16	0.002193	0.70	1.30	2.71	0.32
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP18H	0.81	27.13	27.89		27.93	0.003867	0.87	0.93	2.12	0.42
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP18H	0.64	27.13	27.83		27.86	0.003557	0.79	0.82	2.05	0.40
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP24H	0.74	27.13	27.87		27.90	0.003740	0.84	0.89	2.09	0.41
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP24H	0.54	27.13	27.79		27.81	0.003484	0.74	0.72	1.99	0.39
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP36H	0.62	27.13	27.83		27.86	0.003445	0.77	0.80	2.04	0.39
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP36H	0.41	27.13	27.71		27.74	0.003667	0.70	0.58	1.81	0.40
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP01H	0.82	27.13	27.88		27.92	0.004121	0.89	0.92	2.11	0.43
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP01H	0.92	27.13	27.91		27.95	0.004486	0.95	0.97	2.15	0.45
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP03H	0.64	27.13	27.83		27.86	0.003557	0.79	0.82	2.05	0.40
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP03H	1.13	27.13	27.96		28.01	0.005089	1.04	1.08	2.28	0.49
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP06H	1.18	27.13	27.97		28.03	0.005271	1.07	1.11	2.31	0.50
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP06H	0.92	27.13	27.91		27.95	0.004367	0.94	0.98	2.16	0.45
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR030 TP09H	0.89	27.13	27.90		27.94	0.004314	0.93	0.96	2.14	0.44
Rio Caselle	Caselle1.1	44.21	Max WS	IC TR200 TP09H	1.18	27.13	27.97		28.03	0.005256	1.07	1.11	2.31	0.49
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP18H	0.81	27.22	27.89		27.90	0.000181	0.40	2.01	3.00	0.16
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP18H	0.64	27.22	27.83		27.84	0.000149	0.35	1.84	3.00	0.14
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP24H	0.74	27.22	27.87		27.88	0.000168	0.38	1.95	3.00	0.15
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP24H	0.54	27.22	27.79		27.79	0.000131	0.32	1.70	3.00	0.13
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP36H	0.62	27.22	27.83		27.83	0.000142	0.34	1.82	3.00	0.14
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP36H	0.41	27.22	27.71		27.71	0.000117	0.28	1.47	3.00	0.13
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP01H	0.82	27.22	27.88		27.89	0.000190	0.41	1.99	3.00	0.16
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP01H	0.93	27.22	27.91		27.92	0.000220	0.45	2.06	3.00	0.17
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP03H	0.64	27.22	27.83		27.84	0.000149	0.35	1.84	3.00	0.14
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP03H	1.19	27.22	27.95		27.97	0.000297	0.54	2.20	3.00	0.20
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR200 TP06H	1.26	27.22	27.97		27.98	0.000321	0.56	2.24	3.00	0.21
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP06H	0.92	27.22	27.91		27.92	0.000212	0.44	2.07	3.00	0.17
Rio Caselle	Caselle1.1	44.2	Max WS	IC TR030 TP09H	0.89	27.22	27.90		27.91	0.000207	0.43			

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP18H	0.80	27.01	27.86		27.88	0.002244	0.71	1.12	2.11	0.31
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP18H	0.64	27.01	27.81		27.83	0.001923	0.63	1.02	2.07	0.29
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP24H	0.74	27.01	27.84		27.86	0.002143	0.68	1.08	2.11	0.31
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP24H	0.54	27.01	27.76		27.78	0.001717	0.58	0.93	2.02	0.27
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP36H	0.62	27.01	27.80		27.82	0.001835	0.62	1.01	2.07	0.28
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP36H	0.41	27.01	27.69		27.70	0.001556	0.52	0.78	1.88	0.26
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP01H	0.81	27.01	27.85		27.87	0.002439	0.74	1.10	2.11	0.33
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP01H	0.91	27.01	27.87		27.90	0.002765	0.80	1.14	2.11	0.35
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP03H	0.64	27.01	27.81		27.83	0.001923	0.63	1.02	2.07	0.29
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP03H	1.13	27.01	27.90		27.95	0.003529	0.92	1.22	2.11	0.39
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP06H	1.19	27.01	27.91		27.96	0.003741	0.96	1.24	2.11	0.40
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP06H	0.89	27.01	27.87		27.90	0.002587	0.77	1.16	2.11	0.33
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR030 TP09H	0.85	27.01	27.86		27.89	0.002425	0.74	1.14	2.11	0.32
Rio Caselle	Caselle1.1	44.17	Max WS	IC TR200 TP09H	1.18	27.01	27.91		27.96	0.003728	0.96	1.24	2.11	0.40
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP18H	0.62	27.00	27.84		27.84	0.000425	0.34	1.80	3.25	0.15
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP18H	0.49	27.00	27.79		27.79	0.000358	0.30	1.64	3.25	0.13
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP24H	0.57	27.00	27.82		27.83	0.000407	0.33	1.74	3.25	0.14
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP24H	0.39	27.00	27.75		27.75	0.000288	0.26	1.51	3.25	0.12
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP36H	0.48	27.00	27.79		27.79	0.000340	0.29	1.63	3.25	0.13
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP36H	0.39	27.00	27.67		27.67	0.000501	0.31	1.25	3.25	0.16
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP01H	0.63	27.00	27.83		27.83	0.000469	0.36	1.77	3.25	0.15
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP01H	0.68	27.00	27.85		27.85	0.000498	0.37	1.83	3.25	0.16
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP03H	0.49	27.00	27.79		27.79	0.000358	0.30	1.64	3.25	0.13
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP03H	0.83	27.00	27.88		27.89	0.000616	0.43	1.94	3.25	0.18
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP06H	0.83	27.00	27.89		27.90	0.000584	0.42	1.97	3.25	0.17
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP06H	0.68	27.00	27.85		27.86	0.000474	0.37	1.85	3.25	0.15
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR030 TP09H	0.65	27.00	27.85		27.85	0.000453	0.36	1.83	3.25	0.15
Rio Caselle	Caselle1.1	44.163	Max WS	IC TR200 TP09H	0.82	27.00	27.89		27.90	0.000579	0.42	1.97	3.25	0.17
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP18H	0.18	26.98	27.84		27.84	0.000097	0.15	1.18	2.22	0.07
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP18H	0.20	26.98	27.79		27.79	0.000172	0.19	1.07	2.22	0.09
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP24H	0.17	26.98	27.82		27.82	0.000095	0.14	1.14	2.22	0.06
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP24H	0.33	26.98	27.73		27.74	0.000652	0.35	0.94	2.22	0.17
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP36H	0.20	26.98	27.79		27.79	0.000180	0.19	1.06	2.22	0.09
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP36H	0.39	26.98	27.63		27.64	0.001931	0.55	0.71	1.95	0.29
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP01H	0.17	26.98	27.83		27.83	0.000096	0.15	1.16	2.22	0.07
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP01H	0.19	26.98	27.85		27.85	0.000103	0.15	1.20	2.22	0.07
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP03H	0.20	26.98	27.79		27.79	0.000172	0.19	1.07	2.22	0.09
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP03H	0.27	26.98	27.89		27.89	0.000184	0.21	1.28	2.22	0.09
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP06H	0.30	26.98	27.89		27.90	0.000218	0.23	1.30	2.22	0.10
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP06H	0.21	26.98	27.86		27.86	0.000124	0.17	1.22	2.22	0.07
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR030 TP09H	0.19	26.98	27.85		27.85	0.000106	0.16	1.20	2.22	0.07
Rio Caselle	Caselle1.1	44.157	Max WS	IC TR200 TP09H	0.30	26.98	27.90		27.90	0.000219	0.23	1.30	2.22	0.10
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP18H	0.55	26.97	27.80		27.81	0.001179	0.51	1.08	2.17	0.23
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP18H	0.59	26.97	27.72		27.74	0.002135	0.65	0.91	2.08	0.31
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP24H	0.59	26.97	27.77		27.79	0.001618	0.58	1.01	2.13	0.27
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP24H	0.53	26.97	27.66		27.68	0.002562	0.67	0.79	1.94	0.34
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP36H	0.57	26.97	27.72		27.74	0.002027	0.63	0.91	2.08	0.30
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP36H	0.41	26.97	27.54		27.57	0.003363	0.70	0.58	1.63	0.38
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP01H	0.63	26.97	27.77		27.79	0.001811	0.62	1.01	2.13	0.29
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP01H	0.59	26.97	27.80		27.82	0.001319	0.54	1.09	2.17	0.24
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP03H	0.59	26.97	27.72		27.74	0.002135	0.65	0.91	2.08	0.31
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP03H	0.56	26.97	27.85		27.86	0.000921	0.47	1.20	2.22	0.20
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP06H	0.48	26.97	27.87		27.88	0.000615	0.39	1.24	2.25	0.17
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP06H	0.55	26.97	27.82		27.83	0.001049	0.49	1.12	2.19	0.22
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR030 TP09H	0.55	26.97	27.81		27.82	0.001107	0.50	1.10	2.18	0.22
Rio Caselle	Caselle1.1	44.15	Max WS	IC TR200 TP09H	0.50	26.97	27.87		27.88	0.000655	0.40	1.24	2.25	0.17
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP18H	0.56	26.77	27.79		27.80	0.000463	0.36	1.53	2.29	0.14
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP18H	0.57	26.77	27.70		27.71	0.000727	0.43	1.33	2.29	0.18
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP24H	0.59	26.77	27.74		27.76	0.000614	0.41	1.45	2.29	0.16
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP24H	0.53	26.77	27.65		27.65	0.000885	0.45	1.18	2.29	0.20
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP36H	0.57	26.77	27.70		27.71	0.000730	0.43	1.33	2.29	0.18
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP36H	0.41	26.77	27.51		27.52	0.001108	0.45	0.90	2.14	0.22
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP01H	0.63	26.77	27.75		27.76	0.000695	0.43	1.44	2.29	0.17
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP01H	0.59	26.77	27.79		27.80	0.000526	0.39	1.53	2.29	0.15
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP03H	0.59	26.77	27.70		27.71	0.000774	0.44	1.33	2.29	0.19
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP03H	0.54	26.77	27.85		27.85	0.000355	0.33	1.65	2.29	0.12
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP06H	0.45	26.77	27.87		27.87	0.000222	0.26	1.71	2.29	0.10
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP06H	0.55	26.77	27.81		27.82	0.000411	0.35	1.58	2.29	0.13
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR030 TP09H	0.56	26.77	27.80		27.81	0.000446	0.36	1.55	2.29	0.14
Rio Caselle	Caselle1.1	44.14	Max WS	IC TR200 TP09H	0.47	26.77	27.87		27.87	0.000244	0.28	1.70	2.29	0.10
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP18H	0.55	26.77	27.78		27.80	0.000178	0.52	1.07	2.29	0.18
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP18H	0.57	26.77	27.69		27.71	0.000270	0.60	0.96	2.29	0.21
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP24H	0.59	26.77	27.74		27.76	0.000235	0.58	1.02	2.29	0.20
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP24H	0.53	26.77	27.63		27.65	0.000309	0.60	0.88	2.29	0.22
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP36H	0.57	26.77	27.69		27.71	0.000271	0.60	0.96	2.29	0.21
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP36H	0.41	26.77	27.51		27.52	0.000334	0.56	0.73	2.11	0.23
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP01H	0.63	26.77	27.74		27.76	0.000267	0.62	1.02	2.29	0.21
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP01H	0.59	26.77	27.78		27.80	0.000204	0.56	1.07	2.29	0.19
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP03H	0.59	26.77	27.69		27.71	0.000288	0.62	0.96	2.29	0.22
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP03H	0.54	26.77	27.84		27.85	0.000139	0.48	1.13	2.29	0.16
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR200 TP06H	0.43	26.77	27.86		27.87	0.000081	0.37	1.16	2.29	0.12
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP06H	0.55	26.77	27.80		27.82	0.000160	0.50	1.09	2.29	0.17
Rio Caselle	Caselle1.1	44.137	Max WS	IC TR030 TP09H	0.56	26.77	27.79		27.81	0.000				

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR200 TP36H	0.57	26.55	27.26		27.28	0.001477	0.57	1.02	2.22	0.27
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR030 TP36H	0.41	26.55	27.17		27.19	0.001343	0.50	0.82	2.06	0.25
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR030 TP01H	0.63	26.55	27.22		27.24	0.002395	0.69	0.91	2.13	0.34
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR200 TP01H	0.59	26.55	27.38		27.39	0.000852	0.46	1.28	2.46	0.21
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR030 TP03H	0.59	26.55	27.16		27.19	0.002973	0.73	0.80	2.04	0.37
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR200 TP03H	0.46	26.55	27.57		27.57	0.000236	0.25	1.85	3.61	0.11
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR200 TP06H	0.41	26.55	27.65		27.65	0.000130	0.19	2.15	4.00	0.08
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR030 TP06H	0.55	26.55	27.40		27.42	0.000631	0.40	1.37	2.65	0.18
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR030 TP09H	0.56	26.55	27.41		27.41	0.000686	0.42	1.34	2.59	0.18
Rio Caselle	Caselle1.1	44.13	Max WS	IC TR200 TP09H	0.46	26.55	27.59		27.59	0.000217	0.24	1.93	3.75	0.11
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP18H	0.55	26.55	27.40		27.41	0.000674	0.42	1.32	2.50	0.18
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP18H	0.59	26.55	27.27		27.29	0.001527	0.58	1.02	2.23	0.27
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP24H	0.59	26.55	27.34		27.35	0.001053	0.50	1.17	2.36	0.23
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP24H	0.53	26.55	27.22		27.24	0.001652	0.58	0.92	2.15	0.28
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP36H	0.57	26.55	27.26		27.28	0.001515	0.57	1.00	2.22	0.27
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP36H	0.41	26.55	27.17		27.18	0.001380	0.50	0.81	2.05	0.26
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP01H	0.63	26.55	27.21		27.24	0.002479	0.70	0.90	2.13	0.34
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP01H	0.59	26.55	27.38		27.39	0.000862	0.47	1.27	2.45	0.21
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP03H	0.59	26.55	27.16		27.19	0.003117	0.75	0.79	2.03	0.38
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP03H	0.46	26.55	27.57		27.57	0.000218	0.26	1.78	2.95	0.11
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP06H	0.41	26.55	27.65		27.65	0.000132	0.20	2.02	3.34	0.08
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP06H	0.55	26.55	27.41		27.42	0.000610	0.40	1.36	2.53	0.17
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR030 TP09H	0.56	26.55	27.40		27.41	0.000672	0.42	1.33	2.51	0.18
Rio Caselle	Caselle1.1	44.125*	Max WS	IC TR200 TP09H	0.46	26.55	27.59		27.59	0.000205	0.25	1.84	3.06	0.10
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP18H	0.55	26.55	27.39		27.41	0.000189	0.45	1.23	2.45	0.18
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP18H	0.59	26.55	27.27		27.28	0.000447	0.60	0.98	2.23	0.27
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP24H	0.59	26.55	27.33		27.35	0.000301	0.53	1.11	2.35	0.22
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP24H	0.53	26.55	27.22		27.24	0.000494	0.59	0.90	2.15	0.28
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP36H	0.57	26.55	27.26		27.28	0.000444	0.59	0.97	2.22	0.26
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP36H	0.41	26.55	27.17		27.18	0.000415	0.51	0.80	2.05	0.25
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP01H	0.63	26.55	27.21		27.24	0.000754	0.72	0.87	2.12	0.34
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP01H	0.59	26.55	27.37		27.39	0.000242	0.50	1.19	2.42	0.20
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP03H	0.59	26.55	27.16		27.19	0.000950	0.76	0.78	2.03	0.38
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP03H	0.46	26.55	27.57		27.57	0.000059	0.30	1.55	2.75	0.10
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP06H	0.41	26.55	27.65		27.65	0.000035	0.24	1.70	2.87	0.08
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP06H	0.55	26.55	27.41		27.42	0.000170	0.43	1.25	2.47	0.17
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR030 TP09H	0.56	26.55	27.40		27.41	0.000188	0.45	1.23	2.46	0.18
Rio Caselle	Caselle1.1	44.12	Max WS	IC TR200 TP09H	0.46	26.55	27.59		27.59	0.000055	0.29	1.59	2.78	0.10
Rio Caselle	Caselle1.1	44.11												
Rio Caselle	Caselle1.1	44.1		Culvert										
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP18H	0.55	26.55	27.39		27.40	0.000197	0.46	1.21	2.51	0.18
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP18H	0.59	26.55	27.25		27.27	0.000491	0.61	0.95	2.20	0.28
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP24H	0.59	26.55	27.32		27.34	0.000322	0.54	1.09	2.33	0.23
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP24H	0.53	26.55	27.21		27.23	0.000548	0.61	0.87	2.12	0.29
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP36H	0.57	26.55	27.25		27.26	0.000491	0.61	0.94	2.19	0.28
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP36H	0.41	26.55	27.16		27.17	0.000447	0.52	0.78	2.03	0.26
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP01H	0.63	26.55	27.19		27.21	0.000884	0.76	0.83	2.08	0.36
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP01H	0.59	26.55	27.36		27.38	0.000256	0.51	1.17	2.40	0.21
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP03H	0.59	26.55	27.13		27.16	0.001173	0.81	0.72	1.97	0.42
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP03H	0.46	26.55	27.56		27.57	0.000060	0.30	1.55	3.58	0.11
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP06H	0.41	26.55	27.64		27.64	0.000036	0.24	1.70	4.05	0.08
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP06H	0.55	26.55	27.40		27.41	0.000178	0.44	1.24	2.59	0.17
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR030 TP09H	0.56	26.55	27.39		27.40	0.000196	0.46	1.22	2.53	0.18
Rio Caselle	Caselle1.1	44.1	Max WS	IC TR200 TP09H	0.46	26.55	27.58		27.59	0.000056	0.29	1.59	3.73	0.10
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP18H	0.55	26.53	27.39		27.39	0.000595	0.39	1.43	2.92	0.18
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP18H	0.59	26.53	27.25		27.27	0.001380	0.55	1.07	2.45	0.26
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP24H	0.59	26.53	27.32		27.33	0.000919	0.47	1.25	2.60	0.22
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP24H	0.53	26.53	27.21		27.22	0.001516	0.55	0.97	2.35	0.27
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP36H	0.57	26.53	27.24		27.26	0.001375	0.54	1.06	2.43	0.26
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP36H	0.41	26.53	27.16		27.17	0.001242	0.48	0.86	2.24	0.25
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP01H	0.63	26.53	27.18		27.21	0.002471	0.69	0.91	2.30	0.35
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP01H	0.59	26.53	27.36		27.37	0.000756	0.43	1.36	2.78	0.20
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP03H	0.59	26.53	27.12		27.15	0.003338	0.75	0.78	2.17	0.40
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP03H	0.46	26.53	27.56		27.57	0.000193	0.22	2.05	4.17	0.10
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP06H	0.41	26.53	27.64		27.64	0.000102	0.17	2.39	4.50	0.08
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP06H	0.55	26.53	27.40		27.41	0.000542	0.37	1.48	3.00	0.17
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR030 TP09H	0.56	26.53	27.39		27.40	0.000594	0.39	1.44	2.93	0.18
Rio Caselle	Caselle1.1	44.0999*	Max WS	IC TR200 TP09H	0.46	26.53	27.59		27.59	0.000178	0.22	2.14	4.35	0.10
Rio Caselle	Caselle1.1	44.099		Lat Struct										
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP18H	0.27	26.43	27.39		27.39	0.000066	0.11	2.43	6.80	0.06
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP18H	0.26	26.43	27.25		27.25	0.000134	0.16	1.64	4.67	0.08
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP24H	0.26	26.43	27.32		27.32	0.000092	0.13	2.01	5.71	0.07
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP24H	0.22	26.43	27.20		27.20	0.000139	0.16	1.43	4.23	0.09
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP36H	0.25	26.43	27.24		27.24	0.000126	0.15	1.61	4.59	0.08
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP36H	0.16	26.43	27.15		27.15	0.000106	0.13	1.24	3.82	0.07
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP01H	0.27	26.43	27.18		27.18	0.000250	0.21	1.33	3.99	0.11
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP01H	0.28	26.43	27.36		27.36	0.000083	0.12	2.27	6.69	0.07
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP03H	0.27	26.43	27.11		27.11	0.000410	0.25	1.08	3.46	0.14
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP03H	0.26	26.43	27.56		27.56	0.000017	0.07	3.69	7.38	0.03
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP06H	0.28	26.43	27.64		27.64	0.000013	0.07	4.28	7.58	0.03
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP06H	0.27	26.43	27.40		27.40	0.000056	0.11	2.53	6.85	0.06
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR030 TP09H	0.28	26.43	27.39		27.39	0.000065	0.11	2.45	6.81	0.06
Rio Caselle	Caselle1.1	44.098	Max WS	IC TR200 TP09H	0.30	26.43	27.58		27.59	0.000020	0.08	3.84	7.44	0.03
Rio Caselle	Caselle1.1	44.095	Max WS	IC TR200 TP18H	0.19	26.30	27.39		27.39	0.000002	0.03	5.75	7.96	0.01

River	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
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR030_TP01H	0.13	26.19	27.17		27.17	0.000008	0.05	2.67	4.62	0.02
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR200_TP01H	0.09	26.19	27.36		27.36	0.000002	0.02	3.59	5.08	0.01
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR030_TP03H	0.11	26.19	27.10		27.10	0.000008	0.05	2.37	4.45	0.02
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR200_TP03H	0.01	26.19	27.56		27.56	0.000000	0.00	4.67	5.56	0.00
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR200_TP06H	0.16	26.19	27.64		27.64	0.000002	0.03	5.11	5.70	0.01
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR030_TP06H	0.11	26.19	27.40		27.40	0.000002	0.03	3.79	5.18	0.01
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR030_TP09H	0.16	26.19	27.39		27.39	0.000005	0.04	3.73	5.15	0.02
Rio Caselle	Caselle1.1	44.093	Max WS	IC_TR200_TP09H	0.21	26.19	27.58		27.58	0.000004	0.04	4.79	5.60	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP18H	0.18	26.07	27.39		27.39	0.000006	0.05	3.69	5.26	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP18H	0.13	26.07	27.25		27.25	0.000006	0.04	2.99	4.91	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP24H	0.16	26.07	27.32		27.32	0.000006	0.05	3.35	5.09	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP24H	0.11	26.07	27.20		27.20	0.000006	0.04	2.76	4.79	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP36H	0.13	26.07	27.24		27.24	0.000006	0.04	2.96	4.89	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP36H	0.10	26.07	27.15		27.15	0.000005	0.04	2.54	4.67	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP01H	0.11	26.07	27.17		27.17	0.000006	0.04	2.63	4.72	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP01H	0.00	26.07	27.36		27.36	0.000000	0.00	3.57	5.20	0.00
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP03H	0.06	26.07	27.10		27.10	0.000003	0.03	2.32	4.55	0.01
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP03H	-0.09	26.07	27.56		27.56	0.000001	-0.02	4.67	5.74	0.01
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP06H	0.11	26.07	27.64		27.64	0.000001	0.02	5.13	5.97	0.01
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP06H	0.10	26.07	27.40		27.40	0.000002	0.03	3.77	5.30	0.01
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR030_TP09H	0.17	26.07	27.39		27.39	0.000005	0.05	3.71	5.27	0.02
Rio Caselle	Caselle1.1	44.09	Max WS	IC_TR200_TP09H	0.21	26.07	27.58		27.58	0.000004	0.04	4.79	5.80	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP18H	0.10	26.07	27.39		27.39	0.000002	0.03	3.43	4.43	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP18H	0.12	26.07	27.25		27.25	0.000005	0.04	2.82	4.43	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP24H	0.11	26.07	27.32		27.32	0.000003	0.04	3.14	4.43	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP24H	0.10	26.07	27.20		27.20	0.000005	0.04	2.61	4.36	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP36H	0.11	26.07	27.24		27.24	0.000005	0.04	2.79	4.43	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP36H	0.08	26.07	27.15		27.15	0.000004	0.03	2.41	4.19	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP01H	0.12	26.07	27.17		27.17	0.000007	0.05	2.49	4.26	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP01H	0.23	26.07	27.36		27.36	0.000012	0.07	3.33	4.43	0.03
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP03H	0.12	26.07	27.10		27.10	0.000010	0.05	2.21	4.01	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP03H	0.29	26.07	27.56		27.56	0.000009	0.07	4.22	4.43	0.02
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP06H	0.20	26.07	27.64		27.64	0.000004	0.04	4.57	4.43	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP06H	0.05	26.07	27.40		27.40	0.000001	0.02	3.50	4.43	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR030_TP09H	0.10	26.07	27.39		27.39	0.000002	0.03	3.45	4.43	0.01
Rio Caselle	Caselle1.2	39.16	Max WS	IC_TR200_TP09H	0.11	26.07	27.58		27.58	0.000001	0.02	4.31	4.43	0.01
Rio Caselle	Caselle1.2	39.156		Lat Struct										
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP18H	0.13	25.99	27.38		27.38	0.000003	0.04	3.72	5.29	0.01
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP18H	0.14	25.99	27.25		27.25	0.000007	0.05	3.01	4.92	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP24H	0.14	25.99	27.32		27.32	0.000005	0.04	3.38	5.12	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP24H	0.13	25.99	27.20		27.20	0.000007	0.05	2.79	4.79	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP36H	0.14	25.99	27.24		27.24	0.000007	0.05	2.98	4.90	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP36H	0.10	25.99	27.15		27.15	0.000005	0.04	2.57	4.66	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP01H	0.14	25.99	27.17		27.17	0.000010	0.05	2.66	4.71	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP01H	0.25	25.99	27.36		27.36	0.000013	0.07	3.60	5.24	0.03
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP03H	0.12	25.99	27.10		27.10	0.000010	0.05	2.34	4.52	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP03H	0.31	25.99	27.56		27.56	0.000009	0.07	4.67	5.29	0.02
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP06H	0.20	25.99	27.64		27.64	0.000003	0.04	5.08	5.29	0.01
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP06H	0.08	25.99	27.40		27.40	0.000001	0.02	3.81	5.29	0.01
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR030_TP09H	0.13	25.99	27.39		27.39	0.000003	0.04	3.74	5.29	0.01
Rio Caselle	Caselle1.2	39.155	Max WS	IC_TR200_TP09H	0.11	25.99	27.58		27.58	0.000001	0.02	4.78	5.29	0.01
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP18H	0.20	25.90	27.38		27.38	0.000004	0.04	5.07	6.88	0.01
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP18H	0.22	25.90	27.25		27.25	0.000009	0.05	4.12	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP24H	0.22	25.90	27.32		27.32	0.000006	0.05	4.62	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP24H	0.20	25.90	27.20		27.20	0.000009	0.05	3.80	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP36H	0.22	25.90	27.24		27.24	0.000009	0.05	4.07	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP36H	0.16	25.90	27.15		27.15	0.000008	0.05	3.48	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP01H	0.23	25.90	27.17		27.17	0.000014	0.06	3.61	6.88	0.03
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP01H	0.34	25.90	27.36		27.36	0.000012	0.07	4.91	6.88	0.03
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP03H	0.18	25.90	27.10		27.10	0.000013	0.06	3.14	6.88	0.03
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP03H	0.40	25.90	27.56		27.56	0.000008	0.06	6.30	6.88	0.02
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP06H	0.25	25.90	27.64		27.64	0.000002	0.04	6.84	6.88	0.01
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP06H	0.16	25.90	27.40		27.40	0.000002	0.03	5.18	6.88	0.01
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR030_TP09H	0.20	25.90	27.39		27.39	0.000004	0.04	5.10	6.88	0.01
Rio Caselle	Caselle1.2	39.15	Max WS	IC_TR200_TP09H	0.15	25.90	27.58		27.58	0.000001	0.02	6.45	6.88	0.01
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP18H	0.31	25.88	27.38		27.38	0.000003	0.05	6.68	5.89	0.01
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP18H	0.38	25.88	27.25		27.25	0.000007	0.07	5.86	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP24H	0.36	25.88	27.32		27.32	0.000005	0.06	6.30	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP24H	0.36	25.88	27.20		27.20	0.000007	0.06	5.59	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP36H	0.38	25.88	27.24		27.24	0.000007	0.07	5.83	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP36H	0.27	25.88	27.15		27.15	0.000005	0.05	5.31	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP01H	0.44	25.88	27.17		27.17	0.000012	0.08	5.42	5.89	0.03
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP01H	0.55	25.88	27.36		27.36	0.000011	0.08	6.54	5.89	0.03
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP03H	0.31	25.88	27.10		27.10	0.000008	0.06	5.03	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP03H	0.59	25.88	27.56		27.56	0.000008	0.08	7.73	5.89	0.02
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP06H	0.33	25.88	27.64		27.64	0.000002	0.04	8.20	5.89	0.01
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP06H	0.31	25.88	27.40		27.40	0.000003	0.05	6.77	5.89	0.01
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR030_TP09H	0.32	25.88	27.39		27.39	0.000003	0.05	6.70	5.89	0.01
Rio Caselle	Caselle1.2	39.14	Max WS	IC_TR200_TP09H	0.21	25.88	27.58		27.58	0.000001	0.03	7.86	5.89	0.01
Rio Caselle	Caselle1.2	39.136	Max WS	IC_TR200_TP18H	0.31	25.88	27.38		27.38	0.000030	0.14	2.21	3.39	0.04
Rio Caselle	Caselle1.2	39.136	Max WS	IC_TR030_TP18H	0.38	25.88	27.24		27.25	0.000068	0.20	1.95	3.01	0.06
Rio Caselle	Caselle1.2	39.136	Max WS	IC_TR200_TP24H	0.36	25.88	27.32		27.32	0.000047	0.17	2.09	3.21	0.05
Rio Caselle	Caselle1.2	39.136	Max WS	IC_TR030_TP24H	0.36	25.88	27.20		27.20	0.000071	0.19	1.86	2.89	0.06
Rio Caselle	Caselle1.2	39.136												

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR030_TP03H	0.31	25.74	27.10		27.10	0.000139	0.21	1.48	3.03	0.08
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR200_TP03H	0.50	25.74	27.55		27.56	0.000077	0.21	2.35	5.48	0.06
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR200_TP06H	0.23	25.74	27.64		27.64	0.000013	0.09	2.51	5.66	0.03
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR030_TP06H	0.03	25.74	27.40		27.40	0.000000	0.02	2.05	5.14	0.00
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR030_TP09H	0.24	25.74	27.38		27.38	0.000030	0.12	2.03	5.12	0.04
Rio Caselle	Caselle1.2	39.13	Max WS	IC_TR200_TP09H	0.16	25.74	27.58		27.58	0.000008	0.07	2.40	5.54	0.02
Rio Caselle	Caselle1.2	39.126												
Rio Caselle	Caselle1.2	39.125												
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP18H	0.27	25.64	27.38		27.38	0.000026	0.09	3.13	5.26	0.04
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP18H	0.53	25.64	27.23		27.24	0.000197	0.22	2.38	4.34	0.10
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP24H	0.40	25.64	27.31		27.31	0.000083	0.14	2.76	5.26	0.06
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP24H	0.52	25.64	27.19		27.19	0.000206	0.24	2.20	3.57	0.10
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP36H	0.54	25.64	27.23		27.23	0.000205	0.23	2.35	4.21	0.10
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP36H	0.40	25.64	27.14		27.15	0.000141	0.20	2.05	3.27	0.08
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP01H	0.61	25.64	27.15		27.16	0.000320	0.29	2.08	3.34	0.12
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP01H	0.44	25.64	27.35		27.35	0.000082	0.15	2.96	5.26	0.06
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP03H	0.40	25.64	27.09		27.10	0.000171	0.21	1.89	3.05	0.09
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP03H	0.42	25.64	27.56		27.56	0.000029	0.10	4.05	5.26	0.04
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP06H	0.13	25.64	27.64		27.64	0.000002	0.03	4.49	5.26	0.01
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP06H	-0.02	25.64	27.40		27.40	0.000000	-0.01	3.21	5.26	0.00
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR030_TP09H	0.16	25.64	27.38		27.38	0.000009	0.05	3.15	5.26	0.02
Rio Caselle	Caselle1.2	39.12	Max WS	IC_TR200_TP09H	0.06	25.64	27.58		27.58	0.000000	0.01	4.19	5.26	0.00
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP18H	0.20	25.76	27.38		27.38	0.000013	0.07	2.99	4.49	0.03
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP18H	0.46	25.76	27.23		27.23	0.000123	0.19	2.39	3.83	0.08
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP24H	0.34	25.76	27.31		27.31	0.000048	0.13	2.69	4.08	0.05
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP24H	0.48	25.76	27.19		27.19	0.000154	0.22	2.21	3.54	0.09
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP36H	0.47	25.76	27.23		27.23	0.000132	0.20	2.36	3.79	0.08
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP36H	0.39	25.76	27.14		27.14	0.000119	0.19	2.07	3.31	0.08
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP01H	0.34	25.76	27.15		27.15	0.000087	0.16	2.09	3.35	0.07
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP01H	-1.71	25.76	27.39		27.41	0.000928	-0.56	3.04	4.55	0.22
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP03H	0.40	25.76	27.09		27.09	0.000158	0.21	1.90	3.10	0.09
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP03H	0.17	25.76	27.56		27.56	0.000005	0.04	3.83	4.78	0.02
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP06H	-0.05	25.76	27.64		27.64	0.000000	-0.01	4.22	4.78	0.00
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP06H	-0.15	25.76	27.40		27.40	0.000007	-0.05	3.07	4.58	0.02
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR030_TP09H	0.10	25.76	27.38		27.38	0.000003	0.03	3.01	4.51	0.01
Rio Caselle	Caselle1.2	39.115	Max WS	IC_TR200_TP09H	-0.09	25.76	27.58		27.58	0.000001	-0.02	3.95	4.78	0.01
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP18H	0.15	25.88	27.38		27.38	0.000006	0.05	3.16	3.92	0.02
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP18H	0.29	25.88	27.23		27.23	0.000035	0.11	2.60	3.67	0.04
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP24H	0.25	25.88	27.31		27.31	0.000019	0.09	2.89	3.79	0.03
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP24H	0.32	25.88	27.19		27.19	0.000050	0.13	2.43	3.61	0.05
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP36H	0.30	25.88	27.23		27.23	0.000037	0.11	2.57	3.66	0.04
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP36H	0.31	25.88	27.14		27.14	0.000055	0.14	2.27	3.47	0.05
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP01H	0.48	25.88	27.15		27.15	0.000130	0.21	2.30	3.50	0.08
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP01H	-0.44	25.88	27.43		27.43	0.000040	-0.13	3.35	4.01	0.05
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP03H	0.40	25.88	27.09		27.09	0.000115	0.19	2.09	3.25	0.08
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP03H	0.12	25.88	27.56		27.56	0.000002	0.03	3.87	4.24	0.01
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP06H	-0.02	25.88	27.64		27.64	0.000000	0.00	4.23	4.30	0.00
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP06H	0.04	25.88	27.40		27.40	0.000000	0.01	3.22	3.95	0.00
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR030_TP09H	0.13	25.88	27.38		27.38	0.000004	0.04	3.17	3.93	0.01
Rio Caselle	Caselle1.2	39.11	Max WS	IC_TR200_TP09H	-0.02	25.88	27.58		27.58	0.000000	0.00	3.98	4.29	0.00
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP18H	0.11	25.93	27.38		27.38	0.000003	0.03	3.16	4.06	0.01
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP18H	0.19	25.93	27.23		27.23	0.000015	0.07	2.58	3.79	0.03
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP24H	0.17	25.93	27.31		27.31	0.000008	0.06	2.88	3.88	0.02
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP24H	0.24	25.93	27.19		27.19	0.000029	0.10	2.41	3.64	0.04
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP36H	0.20	25.93	27.23		27.23	0.000016	0.08	2.56	3.77	0.03
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP36H	0.26	25.93	27.14		27.14	0.000038	0.11	2.25	3.49	0.05
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP01H	0.41	25.93	27.15		27.15	0.000096	0.18	2.27	3.51	0.07
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP01H	-0.01	25.93	27.43		27.43	0.000000	0.00	3.37	4.25	0.00
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP03H	0.38	25.93	27.09		27.09	0.000106	0.19	2.07	3.32	0.08
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP03H	0.09	25.93	27.56		27.56	0.000001	0.02	3.92	4.55	0.01
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP06H	0.03	25.93	27.64		27.64	0.000000	0.01	4.30	4.55	0.00
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP06H	0.08	25.93	27.40		27.40	0.000002	0.03	3.22	4.12	0.01
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR030_TP09H	0.12	25.93	27.38		27.38	0.000003	0.04	3.17	4.07	0.01
Rio Caselle	Caselle1.2	39.106*	Max WS	IC_TR200_TP09H	0.04	25.93	27.58		27.58	0.000000	0.01	4.04	4.55	0.00
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP18H	0.09	25.95	27.38		27.38	0.000004	0.04	2.41	4.09	0.02
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP18H	0.16	25.95	27.23		27.23	0.000033	0.09	1.83	3.79	0.04
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP24H	0.13	25.95	27.31		27.31	0.000014	0.06	2.13	3.92	0.03
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP24H	0.23	25.95	27.19		27.19	0.000089	0.14	1.66	3.65	0.07
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP36H	0.17	25.95	27.23		27.23	0.000038	0.09	1.81	3.77	0.04
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP36H	0.26	25.95	27.14		27.14	0.000146	0.17	1.50	3.49	0.08
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP01H	0.35	25.95	27.15		27.15	0.000257	0.23	1.51	3.51	0.11
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP01H	0.09	25.95	27.43		27.43	0.000003	0.03	2.63	3.38	0.01
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP03H	0.39	25.95	27.08		27.09	0.000115	0.28	1.37	3.29	0.09
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP03H	0.06	25.95	27.56		27.56	0.000001	0.02	3.20	4.65	0.01
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP06H	0.01	25.95	27.64		27.64	0.000000	0.00	3.59	4.65	0.00
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP06H	0.09	25.95	27.40		27.40	0.000005	0.04	2.48	4.18	0.02
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR030_TP09H	0.11	25.95	27.38		27.38	0.000007	0.05	2.43	4.11	0.02
Rio Caselle	Caselle1.2	39.105	Max WS	IC_TR200_TP09H	0.02	25.95	27.58		27.58	0.000000	0.01	3.32	4.65	0.00
Rio Caselle	Caselle1.2	39.104												
Rio Caselle	Caselle1.2	39.103												
Rio Caselle	Caselle1.2	39.103	Max WS	IC_TR200_TP18H	0.09	25.94	27.38		27.38	0.000004	0.04	2.43	4.01	0.01
Rio Caselle	Caselle1.2	39.103	Max WS	IC_TR030_TP18H	0.16	25.94	27.23		27.23	0.000033	0.09	1.84	3.78	0.04
Rio Caselle	Caselle1.2	39.103	Max WS	IC_TR200_TP24H	0.13	25.94	27.31		27.31	0.000014	0.06	2.15	3.93	0.03
Rio Caselle	Caselle1.2	39.103	Max WS	IC_TR030_TP24H	0.23	25.94	27.18		27.18	0.000089	0.14	1.66	3.66	0.07
Rio Caselle	Caselle1.2	39.103	Max WS	IC_TR200_TP36H	0.17									

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR030_TP01H	0.35	25.95	27.14		27.14	0.000072	0.23	1.47	3.49	0.07
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR200_TP01H	0.08	25.95	27.43		27.43	0.000009	0.04	1.94	4.22	0.02
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR030_TP03H	0.39	25.95	27.07		27.07	0.000113	0.28	1.38	3.26	0.09
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR200_TP03H	0.05	25.95	27.56		27.56	0.000001	0.02	2.49	4.48	0.01
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR200_TP06H	-0.01	25.95	27.64		27.64	0.000000	0.00	2.86	4.51	0.00
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR030_TP06H	0.10	25.95	27.40		27.40	0.000003	0.05	1.84	4.06	0.01
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR030_TP09H	0.12	25.95	27.38		27.38	0.000004	0.06	1.82	4.04	0.02
Rio Caselle	Caselle1.2	39.1019*	Max WS	IC_TR200_TP09H	0.01	25.95	27.58		27.58	0.000000	0.00	2.61	4.49	0.00
Rio Caselle	Caselle1.2	39.101												
					Lat Struct									
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP18H	0.13	25.96	27.38		27.38	0.000005	0.07	1.83	4.31	0.02
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP18H	0.21	25.96	27.23		27.23	0.000019	0.13	1.62	3.82	0.04
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP24H	0.18	25.96	27.31		27.31	0.000012	0.11	1.74	3.99	0.03
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP24H	0.24	25.96	27.18		27.18	0.000029	0.15	1.56	3.65	0.05
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP36H	0.21	25.96	27.22		27.22	0.000019	0.13	1.62	3.79	0.04
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP36H	0.27	25.96	27.13		27.13	0.000041	0.18	1.49	3.46	0.06
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP01H	0.38	25.96	27.13		27.14	0.000082	0.25	1.49	3.47	0.08
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP01H	0.18	25.96	27.43		27.43	0.000008	0.09	1.91	4.40	0.03
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP03H	0.40	25.96	27.07		27.07	0.000112	0.28	1.40	3.24	0.09
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP03H	0.07	25.96	27.56		27.56	0.000001	0.04	2.08	4.42	0.01
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP06H	0.05	25.96	27.64		27.64	0.000000	0.02	2.20	4.44	0.01
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP06H	0.16	25.96	27.40		27.40	0.000007	0.08	1.86	4.38	0.02
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR030_TP09H	0.18	25.96	27.38		27.38	0.000009	0.10	1.84	4.32	0.03
Rio Caselle	Caselle1.2	39.1009*	Max WS	IC_TR200_TP09H	0.05	25.96	27.58		27.58	0.000000	0.02	2.12	4.43	0.01
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP18H	0.11	25.97	27.38		27.38	0.000004	0.06	1.86	4.34	0.02
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP18H	0.25	25.97	27.23		27.23	0.000027	0.15	1.65	3.95	0.05
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP24H	0.19	25.97	27.31		27.31	0.000013	0.11	1.76	4.29	0.03
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP24H	0.28	25.97	27.18		27.18	0.000038	0.18	1.58	3.65	0.05
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP36H	0.26	25.97	27.22		27.22	0.000028	0.16	1.64	3.92	0.05
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP36H	0.29	25.97	27.13		27.13	0.000046	0.19	1.51	3.43	0.06
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP01H	0.41	25.97	27.13		27.14	0.000095	0.27	1.51	3.43	0.08
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP01H	0.15	25.97	27.43		27.43	0.000006	0.08	1.93	4.35	0.02
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP03H	0.40	25.97	27.07		27.07	0.000112	0.28	1.42	3.23	0.09
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP03H	0.05	25.97	27.56		27.56	0.000000	0.02	2.11	4.37	0.01
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP06H	0.03	25.97	27.64		27.64	0.000000	0.01	2.22	4.38	0.00
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP06H	0.14	25.97	27.40		27.40	0.000005	0.07	1.88	4.34	0.02
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR030_TP09H	0.17	25.97	27.38		27.38	0.000008	0.09	1.86	4.34	0.02
Rio Caselle	Caselle1.2	39.10	Max WS	IC_TR200_TP09H	0.04	25.97	27.58		27.58	0.000000	0.02	2.14	4.37	0.00
Rio Caselle	Caselle1.2	39.099			Culvert									
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP18H	0.11	25.93	27.38		27.38	0.000004	0.06	1.83	3.81	0.02
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP18H	0.25	25.93	27.22		27.22	0.000029	0.16	1.62	3.71	0.05
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP24H	0.19	25.93	27.30		27.31	0.000013	0.11	1.73	3.77	0.03
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP24H	0.28	25.93	27.17		27.17	0.000040	0.18	1.54	3.54	0.05
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP36H	0.26	25.93	27.21		27.22	0.000030	0.16	1.61	3.69	0.05
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP36H	0.29	25.93	27.12		27.13	0.000049	0.19	1.48	3.39	0.06
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP01H	0.40	25.93	27.12		27.12	0.000096	0.27	1.47	3.38	0.08
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP01H	0.15	25.93	27.43		27.43	0.000006	0.08	1.90	3.82	0.02
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP03H	0.40	25.93	27.07		27.06	0.000124	0.29	1.38	3.24	0.09
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP03H	0.05	25.93	27.55		27.55	0.000001	0.02	2.34	4.06	0.01
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP06H	0.03	25.93	27.64		27.64	0.000001	0.01	2.69	4.27	0.00
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP06H	0.14	25.93	27.39		27.39	0.000006	0.08	1.85	3.81	0.02
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR030_TP09H	0.17	25.93	27.38		27.38	0.000008	0.09	1.84	3.81	0.03
Rio Caselle	Caselle1.2	39.097	Max WS	IC_TR200_TP09H	0.04	25.93	27.58		27.58	0.000001	0.01	2.46	4.13	0.01
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP18H	0.12	25.91	27.38		27.38	0.000003	0.04	3.29	3.97	0.01
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP18H	0.26	25.91	27.22		27.22	0.000023	0.09	2.70	3.68	0.04
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP24H	0.19	25.91	27.30		27.31	0.000010	0.06	3.01	3.82	0.02
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP24H	0.28	25.91	27.17		27.17	0.000032	0.11	2.52	3.45	0.04
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP36H	0.26	25.91	27.22		27.22	0.000024	0.10	2.67	3.65	0.04
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP36H	0.29	25.91	27.12		27.12	0.000040	0.12	2.36	3.33	0.05
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP01H	0.41	25.91	27.12		27.12	0.000083	0.18	2.34	3.32	0.07
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP01H	0.15	25.91	27.43		27.43	0.000004	0.04	3.49	4.07	0.01
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP03H	0.41	25.91	27.05		27.06	0.000103	0.19	2.13	3.17	0.07
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP03H	0.05	25.91	27.55		27.55	0.000000	0.01	4.02	4.14	0.00
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP06H	0.04	25.91	27.64		27.64	0.000000	0.01	4.36	4.18	0.00
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP06H	0.14	25.91	27.39		27.39	0.000004	0.04	3.36	4.00	0.01
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR030_TP09H	0.17	25.91	27.38		27.38	0.000006	0.05	3.30	3.97	0.02
Rio Caselle	Caselle1.2	39.095*	Max WS	IC_TR200_TP09H	0.04	25.91	27.58		27.58	0.000000	0.01	4.13	4.15	0.00
Rio Caselle	Caselle1.2	39.092			Lat Struct									
Rio Caselle	Caselle1.2	39.091			Lat Struct									
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP18H	0.42	25.86	27.38		27.38	0.000035	0.12	3.35	3.90	0.04
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP18H	0.44	25.86	27.22		27.22	0.000062	0.16	2.76	3.49	0.06
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP24H	0.47	25.86	27.30		27.30	0.000059	0.15	3.07	3.89	0.06
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP24H	0.37	25.86	27.17		27.17	0.000051	0.14	2.59	3.36	0.05
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP36H	0.42	25.86	27.21		27.21	0.000060	0.16	2.74	3.47	0.06
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP36H	0.31	25.86	27.12		27.12	0.000041	0.13	2.44	3.24	0.05
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP01H	0.45	25.86	27.12		27.12	0.000091	0.19	2.41	3.22	0.07
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP01H	0.82	25.86	27.42		27.42	0.000116	0.23	3.53	3.90	0.08
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP03H	0.41	25.86	27.05		27.05	0.000096	0.19	2.21	3.06	0.07
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP03H	0.30	25.86	27.55		27.55	0.000011	0.08	4.05	3.91	0.02
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP06H	0.23	25.86	27.64		27.64	0.000005	0.05	4.38	3.92	0.02
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP06H	0.55	25.86	27.39		27.39	0.000058	0.16	3.41	3.90	0.05
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR030_TP09H	0.58	25.86	27.38		27.38	0.000068	0.17	3.36	3.90	0.06
Rio Caselle	Caselle1.2	39.09	Max WS	IC_TR200_TP09H	0.24	25.86	27.58		27.58	0.000006	0.06	4.16	3.91	0.02
Rio Caselle	Caselle1.2	39.087	Max WS	IC_TR200_TP18H	0.53	25.85	27.37		27.37	0.000073	0.28	1.91	6.29	0.08
Rio Caselle	Caselle1.2	39.087	Max WS	IC_TR030_TP18H	0.44	25.85	27.22		27.22	0.000				



River	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
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP24H	0.51	25.86	27.27		27.27	0.000095	0.29	1.78	3.63	0.08
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP24H	0.37	25.86	27.15		27.15	0.000068	0.23	1.62	3.25	0.07
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP36H	0.43	25.86	27.19		27.19	0.000082	0.26	1.67	3.38	0.07
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP36H	0.31	25.86	27.11		27.11	0.000052	0.20	1.56	3.11	0.06
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP01H	0.19	25.86	27.10		27.10	0.000021	0.12	1.55	3.06	0.04
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP01H	0.96	25.86	27.28		27.30	0.000327	0.53	1.80	3.67	0.15
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP03H	0.42	25.86	27.03		27.03	0.000125	0.29	1.45	2.83	0.09
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP03H	0.79	25.86	27.51		27.52	0.000411	0.32	2.46	4.71	0.14
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP06H	0.86	25.86	27.62		27.62	0.000292	0.29	3.01	5.31	0.12
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP06H	0.69	25.86	27.32		27.33	0.000152	0.37	1.86	3.79	0.10
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR030 TP09H	0.71	25.86	27.31		27.31	0.000165	0.39	1.84	3.74	0.11
Rio Caselle	Caselle1.2	39.083	Max WS	IC TR200 TP09H	0.72	25.86	27.56		27.56	0.000267	0.26	2.70	5.03	0.12
Rio Caselle	Caselle1.2	39.082		Lat Struct										
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP18H	0.53	25.86	27.34		27.34	0.000073	0.17	3.06	3.98	0.06
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP18H	0.44	25.86	27.19		27.20	0.000082	0.18	2.52	3.50	0.07
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP24H	0.51	25.86	27.27		27.27	0.000086	0.18	2.79	3.75	0.07
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP24H	0.37	25.86	27.15		27.15	0.000067	0.16	2.38	3.34	0.06
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP36H	0.43	25.86	27.19		27.19	0.000079	0.17	2.51	3.48	0.06
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP36H	0.31	25.86	27.11		27.11	0.000053	0.14	2.24	3.19	0.05
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP01H	0.20	25.86	27.10		27.10	0.000023	0.09	2.21	3.15	0.03
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP01H	0.97	25.86	27.28		27.29	0.000292	0.34	2.85	3.80	0.13
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP03H	0.42	25.86	27.03		27.03	0.000132	0.21	1.99	2.94	0.08
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP03H	0.80	25.86	27.51		27.51	0.000100	0.21	3.83	4.87	0.08
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP06H	0.91	25.86	27.62		27.62	0.000093	0.21	4.38	5.33	0.07
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP06H	0.70	25.86	27.32		27.33	0.000132	0.23	3.01	3.93	0.08
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR030 TP09H	0.71	25.86	27.31		27.31	0.000145	0.24	2.94	3.87	0.09
Rio Caselle	Caselle1.2	39.0819*	Max WS	IC TR200 TP09H	0.74	25.86	27.56		27.56	0.000073	0.18	4.07	5.08	0.06
Rio Caselle	Caselle1.2	39.081		Lat Struct										
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP18H	0.71	25.86	27.33		27.34	0.000118	0.22	3.22	4.23	0.08
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP18H	0.47	25.86	27.19		27.19	0.000089	0.18	2.64	3.98	0.07
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP24H	0.61	25.86	27.27		27.27	0.000113	0.21	2.93	4.11	0.08
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP24H	0.38	25.86	27.15		27.15	0.000068	0.15	2.47	3.81	0.06
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP36H	0.45	25.86	27.19		27.19	0.000086	0.17	2.62	3.96	0.07
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP36H	0.31	25.86	27.11		27.11	0.000053	0.13	2.32	3.59	0.05
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP01H	0.20	25.86	27.10		27.10	0.000023	0.09	2.28	3.53	0.03
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP01H	0.91	25.86	27.28		27.29	0.000237	0.30	3.00	4.14	0.11
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP03H	0.42	25.86	27.03		27.03	0.000136	0.21	2.04	3.25	0.08
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP03H	1.25	25.86	27.50		27.51	0.000217	0.31	3.97	4.76	0.11
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP06H	1.35	25.86	27.61		27.62	0.000183	0.30	4.51	5.13	0.10
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP06H	0.89	25.86	27.32		27.32	0.000201	0.28	3.15	4.20	0.10
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR030 TP09H	0.89	25.86	27.30		27.31	0.000212	0.29	3.08	4.17	0.11
Rio Caselle	Caselle1.2	39.08	Max WS	IC TR200 TP09H	1.17	25.86	27.55		27.56	0.000163	0.28	4.22	4.94	0.10
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP18H	0.77	25.86	27.33	26.31	27.34	0.000121	0.31	2.49	4.03	0.09
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP18H	0.47	25.86	27.19	26.21	27.19	0.000068	0.21	2.21	3.52	0.07
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP24H	0.64	25.86	27.26	26.27	27.27	0.000100	0.27	2.36	3.76	0.08
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP24H	0.38	25.86	27.15	26.17	27.15	0.000049	0.18	2.13	3.42	0.06
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP36H	0.46	25.86	27.19	26.20	27.19	0.000065	0.21	2.20	3.50	0.06
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP36H	0.31	25.86	27.11	26.14	27.11	0.000038	0.15	2.04	3.32	0.05
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP01H	0.20	25.86	27.10	26.09	27.10	0.000016	0.10	2.02	3.30	0.03
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP01H	0.88	25.86	27.28	26.34	27.29	0.000183	0.37	2.39	3.82	0.11
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP03H	0.42	25.86	27.03	26.19	27.03	0.000096	0.23	1.87	3.10	0.08
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP03H	1.43	25.86	27.49	26.47	27.50	0.000278	0.51	2.82	4.70	0.14
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP06H	1.58	25.86	27.60	26.49	27.61	0.000261	0.52	3.04	5.07	0.14
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP06H	0.97	25.86	27.31	26.36	27.32	0.000201	0.39	2.46	3.95	0.11
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR030 TP09H	0.96	25.86	27.30	26.36	27.30	0.000206	0.40	2.42	3.89	0.12
Rio Caselle	Caselle1.2	39.077	Max WS	IC TR200 TP09H	1.36	25.86	27.54	26.45	27.55	0.000220	0.46	2.93	4.95	0.12
Rio Caselle	Caselle1.2	39.075		Bridge										
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP18H	0.77	25.61	27.30		27.31	0.000143	0.31	2.53	3.46	0.09
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP18H	0.47	25.61	27.18		27.18	0.000075	0.21	2.28	3.18	0.06
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP24H	0.64	25.61	27.25		27.25	0.000115	0.26	2.41	3.31	0.08
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP24H	0.38	25.61	27.14		27.15	0.000054	0.17	2.21	3.10	0.05
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP36H	0.46	25.61	27.18		27.18	0.000072	0.20	2.27	3.17	0.06
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP36H	0.31	25.61	27.11		27.11	0.000041	0.15	2.13	3.03	0.05
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP01H	0.19	25.61	27.10		27.10	0.000015	0.09	2.11	3.01	0.03
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP01H	0.81	25.61	27.25		27.25	0.000184	0.34	2.42	3.32	0.10
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP03H	0.42	25.61	27.02		27.02	0.000102	0.22	1.95	2.86	0.07
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP03H	1.43	25.61	27.39		27.41	0.000391	0.53	2.71	3.67	0.15
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP06H	1.57	25.61	27.48		27.50	0.000381	0.54	2.88	3.88	0.15
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP06H	0.97	25.61	27.27		27.28	0.000246	0.39	2.46	3.38	0.11
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR030 TP09H	0.94	25.61	27.26		27.26	0.000242	0.39	2.43	3.34	0.11
Rio Caselle	Caselle1.2	39.07	Max WS	IC TR200 TP09H	1.35	25.61	27.46		27.47	0.000301	0.48	2.83	3.82	0.13
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP18H	0.77	25.60	27.31		27.31	0.000117	0.23	3.43	3.98	0.08
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP18H	0.47	25.60	27.18		27.18	0.000063	0.16	2.97	3.65	0.06
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP24H	0.64	25.60	27.25		27.25	0.000096	0.20	3.20	3.82	0.07
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP24H	0.38	25.60	27.14		27.15	0.000046	0.13	2.83	3.56	0.05
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP36H	0.46	25.60	27.18		27.18	0.000061	0.16	2.95	3.64	0.06
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP36H	0.31	25.60	27.11		27.11	0.000035	0.12	2.69	3.47	0.04
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP01H	0.19	25.60	27.10		27.10	0.000014	0.07	2.66	3.45	0.03
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP01H	0.81	25.60	27.25		27.25	0.000153	0.25	3.22	3.83	0.09
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP03H	0.43	25.60	27.02		27.02	0.000089	0.18	2.40	3.26	0.07
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP03H	1.43	25.60	27.40		27.40	0.000308	0.38	3.81	4.22	0.13
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR200 TP06H	1.57	25.60	27.48		27.49	0.000304	0.37	4.19	4.67	0.13
Rio Caselle	Caselle1.2	39.067*	Max WS	IC TR030 TP06H	0.97	25.60	27.27		27.28	0.000203	0.29	3.31	3.89	0.10
Rio Caselle	Caselle1.2	39.067*												

River	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
Rio Caselle	Caselle1.2	39.06	Max WS	IC_TR200_TP09H	1.09	25.57	27.46		27.46	0.000059	0.19	5.68	4.56	0.05
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP18H	1.10	25.47	27.30		27.30	0.000217	0.30	3.65	4.27	0.10
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP18H	0.73	25.47	27.18		27.18	0.000137	0.23	3.15	3.96	0.08
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP24H	0.93	25.47	27.24		27.24	0.000189	0.27	3.41	4.27	0.10
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP24H	0.60	25.47	27.14		27.14	0.000094	0.20	3.01	3.44	0.07
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP36H	0.71	25.47	27.17		27.17	0.000133	0.23	3.13	3.90	0.08
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP36H	0.49	25.47	27.10		27.10	0.000071	0.17	2.89	3.30	0.06
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP01H	0.57	25.47	27.09		27.09	0.000099	0.20	2.84	3.26	0.07
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP01H	1.33	25.47	27.23		27.24	0.000398	0.39	3.38	4.27	0.14
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP03H	0.53	25.47	27.01		27.02	0.000103	0.20	2.61	3.00	0.07
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP03H	1.78	25.47	27.38		27.39	0.000432	0.44	4.01	4.27	0.15
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP06H	1.73	25.47	27.47		27.48	0.000311	0.39	4.40	4.27	0.12
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP06H	1.43	25.47	27.25		27.26	0.000427	0.41	3.47	4.27	0.15
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR030_TP09H	1.40	25.47	27.24		27.25	0.000432	0.41	3.41	4.27	0.15
Rio Caselle	Caselle1.2	39.055	Max WS	IC_TR200_TP09H	1.74	25.47	27.44		27.45	0.000339	0.41	4.29	4.27	0.13
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP18H	1.24	25.42	27.29		27.29	0.000264	0.34	3.67	4.35	0.12
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP18H	0.74	25.42	27.17		27.18	0.000128	0.23	3.20	3.76	0.08
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP24H	0.99	25.42	27.23		27.24	0.000196	0.29	3.43	4.06	0.10
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP24H	0.61	25.42	27.14		27.14	0.000095	0.20	3.07	3.59	0.07
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP36H	0.73	25.42	27.17		27.17	0.000126	0.23	3.19	3.74	0.08
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP36H	0.50	25.42	27.10		27.10	0.000070	0.17	2.94	3.42	0.06
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP01H	0.57	25.42	27.09		27.09	0.000094	0.20	2.90	3.38	0.07
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP01H	1.38	25.42	27.22		27.23	0.000390	0.41	3.39	4.00	0.14
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP03H	0.54	25.42	27.01		27.01	0.000108	0.20	2.65	3.22	0.07
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP03H	2.06	25.42	27.36		27.37	0.000612	0.52	3.98	4.75	0.18
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP06H	2.28	25.42	27.45		27.46	0.000551	0.52	4.42	4.75	0.17
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP06H	1.52	25.42	27.24		27.25	0.000454	0.44	3.46	4.10	0.15
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR030_TP09H	1.48	25.42	27.22		27.23	0.000443	0.43	3.41	4.02	0.15
Rio Caselle	Caselle1.2	39.053*	Max WS	IC_TR200_TP09H	2.21	25.42	27.42		27.43	0.000567	0.52	4.29	4.75	0.17
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP18H	1.24	25.37	27.28	26.08	27.29	0.000289	0.45	2.78	4.28	0.12
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP18H	0.74	25.37	27.17	25.90	27.17	0.000136	0.29	2.57	3.90	0.08
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP24H	0.99	25.37	27.23	26.00	27.23	0.000210	0.37	2.68	4.10	0.10
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP24H	0.61	25.37	27.14	25.85	27.14	0.000101	0.24	2.50	3.79	0.07
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP36H	0.73	25.37	27.17	25.89	27.17	0.000133	0.29	2.56	3.89	0.08
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP36H	0.50	25.37	27.10	25.80	27.10	0.000074	0.21	2.43	3.61	0.06
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP01H	0.56	25.37	27.09	25.82	27.09	0.000098	0.24	2.40	3.54	0.07
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP01H	1.37	25.37	27.21	26.12	27.22	0.000418	0.52	2.65	4.04	0.14
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP03H	0.54	25.37	27.01	25.81	27.01	0.000112	0.24	2.26	3.21	0.07
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP03H	2.05	25.37	27.34	26.28	27.36	0.000689	0.71	2.90	4.48	0.19
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP06H	2.30	25.37	27.42	26.33	27.45	0.000718	0.75	3.06	4.79	0.19
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP06H	1.48	25.37	27.23	26.14	27.24	0.000463	0.55	2.68	4.11	0.15
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR030_TP09H	1.47	25.37	27.21	26.14	27.23	0.000478	0.56	2.65	4.06	0.15
Rio Caselle	Caselle1.2	39.05	Max WS	IC_TR200_TP09H	2.23	25.37	27.40	26.32	27.43	0.000714	0.74	3.01	4.69	0.19
Rio Caselle	Caselle1.2	39.045												
					Bridge									
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP18H	1.24	25.48	27.23		27.24	0.000473	0.45	2.74	2.01	0.12
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP18H	0.74	25.48	27.15		27.16	0.000198	0.29	2.60	1.98	0.08
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP24H	0.99	25.48	27.19		27.20	0.000323	0.37	2.68	2.00	0.10
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP24H	0.61	25.48	27.12		27.13	0.000143	0.24	2.55	1.97	0.07
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP36H	0.73	25.48	27.15		27.15	0.000194	0.28	2.59	1.98	0.08
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP36H	0.50	25.48	27.09		27.09	0.000103	0.20	2.48	1.95	0.06
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP01H	0.55	25.48	27.08		27.08	0.000128	0.22	2.46	1.95	0.06
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP01H	0.93	25.48	27.17		27.17	0.000301	0.35	2.62	1.99	0.10
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP03H	0.54	25.48	27.07		27.00	0.000149	0.24	2.32	1.91	0.07
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP03H	1.52	25.48	27.20		27.22	0.000748	0.56	2.70	2.00	0.15
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP06H	2.28	25.48	27.24		27.27	0.001567	0.82	2.76	2.02	0.22
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP06H	1.31	25.48	27.16		27.18	0.000598	0.50	2.62	1.99	0.13
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR030_TP09H	1.44	25.48	27.14		27.16	0.000755	0.56	2.58	1.98	0.15
Rio Caselle	Caselle1.2	39.04	Max WS	IC_TR200_TP09H	2.22	25.48	27.22		27.25	0.001535	0.81	2.73	2.01	0.22
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP18H	1.24	25.38	27.23		27.23	0.000154	0.30	4.16	3.48	0.09
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP18H	0.74	25.38	27.15		27.15	0.000066	0.19	3.89	3.38	0.06
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP24H	0.99	25.38	27.20		27.20	0.000106	0.25	4.04	3.44	0.07
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP24H	0.61	25.38	27.12		27.13	0.000048	0.16	3.79	3.35	0.05
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP36H	0.73	25.38	27.15		27.15	0.000064	0.19	3.88	3.38	0.06
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP36H	0.50	25.38	27.09		27.09	0.000035	0.14	3.68	3.31	0.04
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP01H	0.55	25.38	27.08		27.08	0.000043	0.15	3.63	3.30	0.05
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP01H	0.95	25.38	27.17		27.17	0.000103	0.24	3.94	3.40	0.07
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP03H	0.54	25.38	27.07		27.00	0.000051	0.16	3.39	3.22	0.05
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP03H	1.77	25.38	27.21		27.22	0.000328	0.43	4.09	3.46	0.13
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP06H	2.28	25.38	27.24		27.26	0.000504	0.54	4.20	3.50	0.16
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP06H	1.31	25.38	27.17		27.17	0.000199	0.33	3.94	3.40	0.10
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR030_TP09H	1.44	25.38	27.15		27.15	0.000252	0.37	3.87	3.37	0.11
Rio Caselle	Caselle1.2	39.038*	Max WS	IC_TR200_TP09H	2.22	25.38	27.23		27.24	0.000495	0.53	4.15	3.48	0.16
Rio Caselle	Caselle1.2	39.035	Max WS	IC_TR200_TP18H	1.24	25.28	27.23		27.23	0.000085	0.23	5.49	5.44	0.07
Rio Caselle	Caselle1.2	39.035	Max WS	IC_TR030_TP18H	0.74									

River	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
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP24H	-0.42	25.20	27.20	25.50	27.20	0.000034	-0.13	3.14	0.13	-0.03
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP24H	-0.28	25.20	27.12	25.44	27.12	0.000013	-0.09	3.10	0.76	-0.02
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP36H	-0.31	25.20	27.15	25.46	27.15	0.000018	-0.10	3.12	0.62	-0.02
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP36H	-0.23	25.20	27.09	25.42	27.09	0.000010	-0.08	3.07	0.91	-0.02
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP01H	-0.09	25.20	27.08	25.34	27.08	0.000001	-0.03	3.06	0.96	-0.01
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP01H	-0.18	25.20	27.17	25.40	27.17	0.000006	-0.06	3.13	0.50	-0.01
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP03H	0.08	25.20	27.00	25.33	27.00	0.000001	0.03	2.98	1.20	0.01
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP03H	0.31	25.20	27.22	25.46	27.22	0.000020	0.10	3.14		0.02
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP06H	0.39	25.20	27.25	25.49	27.25	0.000031	0.12	3.14		0.03
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP06H	0.16	25.20	27.17	25.38	27.17	0.000005	0.05	3.13	0.48	0.01
Rio Caselle	Caselle2	39.02	Max WS	IC TR030 TP09H	0.42	25.20	27.15	25.50	27.15	0.000032	0.13	3.12	0.63	0.03
Rio Caselle	Caselle2	39.02	Max WS	IC TR200 TP09H	0.48	25.20	27.24	25.52	27.24	0.000046	0.15	3.14		0.03
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP18H	-0.48	24.67	27.24	25.05	27.24	0.000022	-0.11	4.30		-0.02
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP18H	-0.33	24.67	27.16	24.99	27.16	0.000011	-0.08	4.30		-0.02
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP24H	-0.42	24.67	27.20	25.03	27.20	0.000017	-0.10	4.30		-0.02
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP24H	-0.28	24.67	27.13	24.97	27.13	0.000007	-0.06	4.30		-0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP36H	-0.32	24.67	27.15	24.99	27.15	0.000010	-0.07	4.30		-0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP36H	-0.23	24.67	27.09	24.95	27.09	0.000005	-0.05	4.30		-0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP01H	-1.80	24.67	27.09	25.30	27.10	0.000037	-0.42	4.30		-0.09
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP01H	-0.27	24.67	27.17	24.97	27.17	0.000007	-0.06	4.30		-0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP03H	0.08	24.67	27.00	24.85	27.00	0.000001	0.02	4.30		0.00
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP03H	0.25	24.67	27.21	24.96	27.21	0.000006	0.06	4.30		0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP06H	0.39	24.67	27.25	25.02	27.25	0.000015	0.09	4.30		0.02
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP06H	0.15	24.67	27.17	24.90	27.17	0.000002	0.03	4.30		0.01
Rio Caselle	Caselle2	39.015	Max WS	IC TR030 TP09H	0.41	24.67	27.15	25.02	27.15	0.000017	0.10	4.30		0.02
Rio Caselle	Caselle2	39.015	Max WS	IC TR200 TP09H	0.47	24.67	27.23	25.05	27.23	0.000022	0.11	4.30		0.02
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP18H	-0.48	24.67	27.24		27.24	0.000003	-0.05	8.77	8.43	0.02
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP18H	-0.33	24.67	27.16		27.16	0.000002	-0.04	8.09	8.17	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP24H	-0.42	24.67	27.20		27.20	0.000003	-0.05	8.47	8.31	0.02
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP24H	-0.28	24.67	27.13		27.13	0.000001	-0.04	7.85	8.07	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP36H	-0.32	24.67	27.15		27.15	0.000002	-0.04	8.06	8.15	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP36H	-0.24	24.67	27.09		27.09	0.000001	-0.03	7.58	7.73	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP01H	-1.82	24.67	27.10		27.11	0.000062	-0.24	7.65	7.83	0.08
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP01H	-0.28	24.67	27.17		27.17	0.000001	-0.03	8.18	8.20	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP03H	0.08	24.67	27.00		27.00	0.000000	0.01	6.91	6.92	0.00
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP03H	0.25	24.67	27.21		27.21	0.000001	0.03	6.56	6.35	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP06H	0.39	24.67	27.25		27.25	0.000002	0.04	6.86	6.47	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP06H	0.15	24.67	27.17		27.17	0.000000	0.02	8.19	8.21	0.01
Rio Caselle	Caselle2	39.01	Max WS	IC TR030 TP09H	0.41	24.67	27.15		27.15	0.000003	0.05	8.00	8.13	0.02
Rio Caselle	Caselle2	39.01	Max WS	IC TR200 TP09H	0.47	24.67	27.23		27.23	0.000003	0.05	8.72	8.41	0.02
Rio Bottini	Bottini	71	Max WS	IC TR200 TP18H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR030 TP18H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR200 TP24H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR030 TP24H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR200 TP36H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR030 TP36H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR030 TP01H	1.41	32.50	32.83		32.86	0.002229	0.75	1.87	6.00	0.43
Rio Bottini	Bottini	71	Max WS	IC TR200 TP01H	2.01	32.50	32.95		32.98	0.016660	0.78	2.58	6.26	0.39
Rio Bottini	Bottini	71	Max WS	IC TR030 TP03H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR200 TP03H	0.84	32.50	32.71		32.73	0.040007	0.75	1.12	5.68	0.54
Rio Bottini	Bottini	71	Max WS	IC TR200 TP06H	0.46	32.50	32.60		32.64	0.012989	0.86	0.54	5.42	0.88
Rio Bottini	Bottini	71	Max WS	IC TR030 TP06H	0.28	32.50	32.56	32.57	32.60	0.027315	0.89	0.32	5.32	1.17
Rio Bottini	Bottini	71	Max WS	IC TR030 TP09H	0.20	32.50	32.54	32.55	32.58	0.045285	0.91	0.22	5.28	1.42
Rio Bottini	Bottini	71	Max WS	IC TR200 TP09H	0.31	32.50	32.57	32.57	32.61	0.022999	0.88	0.36	5.34	1.09
Rio Bottini	Bottini	70	Max WS	IC TR200 TP18H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR030 TP18H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR200 TP24H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR030 TP24H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR200 TP36H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR030 TP36H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR030 TP01H	1.41	32.35	32.73		32.84	0.008633	1.46	0.96	2.57	0.76
Rio Bottini	Bottini	70	Max WS	IC TR200 TP01H	2.01	32.35	32.81		32.96	0.009666	1.71	1.17	2.58	0.81
Rio Bottini	Bottini	70	Max WS	IC TR030 TP03H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR200 TP03H	0.84	32.35	32.64		32.71	0.006977	1.14	0.74	2.56	0.68
Rio Bottini	Bottini	70	Max WS	IC TR200 TP06H	0.46	32.35	32.57		32.60	0.005559	0.86	0.54	2.55	0.60
Rio Bottini	Bottini	70	Max WS	IC TR030 TP06H	0.28	32.35	32.52		32.54	0.004906	0.69	0.41	2.55	0.55
Rio Bottini	Bottini	70	Max WS	IC TR030 TP09H	0.20	32.35	32.49		32.50	0.004824	0.60	0.33	2.54	0.53
Rio Bottini	Bottini	70	Max WS	IC TR200 TP09H	0.31	32.35	32.53		32.55	0.005042	0.72	0.44	2.55	0.56
Rio Bottini	Bottini	69.98		Lat Struct										
Rio Bottini	Bottini	69	Max WS	IC TR200 TP18H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR030 TP18H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR200 TP24H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR030 TP24H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR200 TP36H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR030 TP36H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR030 TP01H	1.41	31.82	32.26	32.30	32.47	0.020593	2.05	0.69	2.41	1.22
Rio Bottini	Bottini	69	Max WS	IC TR200 TP01H	2.01	31.82	32.34	32.39	32.60	0.019060	2.25	0.89	2.43	1.18
Rio Bottini	Bottini	69	Max WS	IC TR030 TP03H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR200 TP03H	0.84	31.82	32.17	32.20	32.33	0.023101	1.77	0.47	2.38	1.27
Rio Bottini	Bottini	69	Max WS	IC TR200 TP06H	0.46	31.82	32.09	32.12	32.22	0.027867	1.55	0.30	2.17	1.34
Rio Bottini	Bottini	69	Max WS	IC TR030 TP06H	0.28	31.82	32.05	32.07	32.14	0.026808	1.35	0.21	1.81	1.27
Rio Bottini	Bottini	69	Max WS	IC TR030 TP09H	0.20	31.82	32.02	32.04	32.10	0.027876	1.26	0.16	1.58	1.27
Rio Bottini	Bottini	69	Max WS	IC TR200 TP09H	0.31	31.82	32.06	32.08	32.16	0.027897	1.41	0.22	1.88	1.31
Rio Bottini	Bottini	68	Max WS	IC TR200 TP18H	0.20	30.81	30.99		31.06	0.013451	1.10	0.18	1.18	0.90
Rio Bottini	Bottini	68												

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Bottini	Bottini	67.667*	Max WS	IC_TR200_TP36H	0.20	30.43	30.69		30.72	0.011084	0.81	0.25	1.27	0.58
Rio Bottini	Bottini	67.667*	Max WS	IC_TR030_TP36H	0.20	30.43	30.69		30.72	0.011084	0.81	0.25	1.27	0.58
Rio Bottini	Bottini	67.667*	Max WS	IC_TR030_TP01H	1.41	30.43	31.12		31.22	0.011803	1.39	1.01	2.22	0.66
Rio Bottini	Bottini	67.667*	Max WS	IC_TR200_TP01H	2.01	30.43	31.25		31.37	0.012069	1.54	1.30	2.48	0.68
Rio Bottini	Bottini	67.667*	Max WS	IC_TR030_TP03H	0.20	30.43	30.69		30.72	0.011084	0.81	0.25	1.27	0.58
Rio Bottini	Bottini	67.667*	Max WS	IC_TR200_TP03H	0.84	30.43	30.97		31.04	0.011632	1.21	0.69	1.91	0.64
Rio Bottini	Bottini	67.667*	Max WS	IC_TR200_TP06H	0.46	30.43	30.83		30.88	0.011466	1.03	0.45	1.60	0.62
Rio Bottini	Bottini	67.667*	Max WS	IC_TR030_TP06H	0.28	30.43	30.74		30.78	0.011053	0.89	0.32	1.39	0.59
Rio Bottini	Bottini	67.667*	Max WS	IC_TR030_TP09H	0.20	30.43	30.69		30.72	0.011084	0.81	0.25	1.27	0.58
Rio Bottini	Bottini	67.667*	Max WS	IC_TR200_TP09H	0.31	30.43	30.76		30.80	0.010967	0.91	0.35	1.44	0.59
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP18H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP18H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP24H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP24H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP36H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP36H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP01H	1.41	30.06	30.70		30.83	0.015987	1.56	0.90	2.12	0.76
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP01H	2.01	30.06	30.83		30.97	0.015537	1.68	1.19	2.43	0.77
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP03H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP03H	0.84	30.06	30.55		30.65	0.016231	1.37	0.61	1.79	0.75
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP06H	0.46	30.06	30.42		30.49	0.016716	1.18	0.39	1.53	0.74
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP06H	0.28	30.06	30.34		30.39	0.017457	1.03	0.27	1.37	0.74
Rio Bottini	Bottini	67.333*	Max WS	IC_TR030_TP09H	0.20	30.06	30.29		30.34	0.017386	0.94	0.21	1.25	0.73
Rio Bottini	Bottini	67.333*	Max WS	IC_TR200_TP09H	0.31	30.06	30.36		30.41	0.016970	1.06	0.30	1.41	0.74
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP18H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP18H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP24H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP24H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP36H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP36H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP01H	1.41	29.68	30.28		30.44	0.011059	1.79	0.79	1.88	0.88
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP01H	2.01	29.68	30.40		30.59	0.011063	1.96	1.03	2.10	0.89
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP03H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP03H	0.84	29.68	30.13		30.26	0.011387	1.58	0.53	1.61	0.88
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP06H	0.46	29.68	30.01		30.10	0.011481	1.35	0.34	1.37	0.86
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP06H	0.28	29.68	29.92		30.00	0.012031	1.19	0.24	1.22	0.86
Rio Bottini	Bottini	67	Max WS	IC_TR030_TP09H	0.20	29.68	29.88		29.94	0.012111	1.07	0.19	1.14	0.85
Rio Bottini	Bottini	67	Max WS	IC_TR200_TP09H	0.31	29.68	29.94		30.02	0.011997	1.22	0.26	1.25	0.86
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP18H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP18H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP24H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP24H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP36H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP36H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP01H	1.41	29.45	30.07		30.24	0.011106	1.79	0.79	1.87	0.88
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP01H	2.01	29.45	30.19		30.39	0.011081	1.95	1.03	2.10	0.89
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP03H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP03H	0.84	29.45	29.92		30.05	0.011391	1.58	0.53	1.58	0.87
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP06H	0.46	29.45	29.79		29.89	0.011626	1.36	0.34	1.33	0.86
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP06H	0.28	29.45	29.71		29.78	0.012132	1.20	0.23	1.17	0.85
Rio Bottini	Bottini	66.900	Max WS	IC_TR030_TP09H	0.20	29.45	29.67		29.72	0.011663	1.07	0.19	1.09	0.82
Rio Bottini	Bottini	66.900	Max WS	IC_TR200_TP09H	0.31	29.45	29.73		29.80	0.012018	1.23	0.26	1.20	0.85
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP18H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP18H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP24H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP24H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP36H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP36H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP01H	1.41	29.23	29.87		30.03	0.011174	1.79	0.79	1.85	0.87
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP01H	2.01	29.23	29.99		30.18	0.011092	1.95	1.03	2.09	0.89
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP03H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP03H	0.84	29.23	29.72		29.84	0.011339	1.57	0.53	1.56	0.86
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP06H	0.46	29.23	29.58		29.67	0.011788	1.36	0.34	1.29	0.85
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP06H	0.28	29.23	29.49		29.56	0.012240	1.21	0.23	1.12	0.85
Rio Bottini	Bottini	66.800	Max WS	IC_TR030_TP09H	0.20	29.23	29.45		29.51	0.011805	1.09	0.19	1.04	0.82
Rio Bottini	Bottini	66.800	Max WS	IC_TR200_TP09H	0.31	29.23	29.51		29.59	0.012027	1.24	0.25	1.15	0.84
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP18H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP18H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP24H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP24H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP36H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP36H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP01H	1.41	29.01	29.66		29.82	0.011149	1.78	0.79	1.84	0.86
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP01H	2.01	29.01	29.79		29.98	0.010990	1.93	1.04	2.10	0.87
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP03H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP03H	0.84	29.01	29.51		29.63	0.011098	1.56	0.54	1.54	0.84
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP06H	0.46	29.01	29.37		29.46	0.011746	1.37	0.34	1.24	0.84
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP06H	0.28	29.01	29.27		29.35	0.012123	1.21	0.23	1.06	0.83
Rio Bottini	Bottini	66.700	Max WS	IC_TR030_TP09H	0.20	29.01	29.23		29.29	0.011748	1.10	0.19	0.99	0.81
Rio Bottini	Bottini	66.700	Max WS	IC_TR200_TP09H	0.31	29.01	29.29		29.37	0.011888	1.24	0.25	1.10	0.83
Rio Bottini	Bottini	66.600	Max WS	IC_TR200_TP18H	0.21	28.78	29.01		29.07	0.012084	1.11	0.18	0.95	0.81
Rio Bottini	Bottini	66.600	Max WS	IC_TR030_TP18H	0.21	28.78	29.01		29.07	0.012084	1.11	0.18	0.95	0.81
Rio Bottini	Bottini	66.600	Max WS	IC_TR200_TP24H	0.21	28.78	29.01		29.07	0.012084	1.11	0.18	0.95	0.81
Rio Bottini	Bottini	66.600	Max WS	IC_TR030_TP24H	0.21	28.78	29.01		29.07	0.012084	1.11	0.18	0.95	0.81
Rio Bottini	Bottini	66.600	Max WS	IC_TR200_TP36H	0.21	28.78	29.0							

River	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
Rio Bottini	Bottini	66.500	Max WS	IC_TR030_TP03H	0.21	28.55	28.79		28.85	0.011829	1.11	0.19	0.93	0.79
Rio Bottini	Bottini	66.500	Max WS	IC_TR200_TP03H	0.84	28.55	29.09		29.21	0.011294	1.56	0.54	1.46	0.82
Rio Bottini	Bottini	66.500	Max WS	IC_TR200_TP06H	0.46	28.55	28.93		29.03	0.011757	1.38	0.34	1.14	0.81
Rio Bottini	Bottini	66.500	Max WS	IC_TR030_TP06H	0.28	28.55	28.83		28.91	0.012038	1.22	0.23	0.98	0.80
Rio Bottini	Bottini	66.500	Max WS	IC_TR030_TP09H	0.21	28.55	28.79		28.85	0.011829	1.11	0.19	0.93	0.79
Rio Bottini	Bottini	66.500	Max WS	IC_TR200_TP09H	0.31	28.55	28.86		28.94	0.011735	1.25	0.25	1.00	0.80
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP18H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP18H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP24H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP24H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP36H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP36H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP01H	1.41	28.33	29.05		29.20	0.011118	1.76	0.80	1.78	0.84
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP01H	2.01	28.33	29.18		29.36	0.011066	1.91	1.05	2.06	0.85
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP03H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP03H	0.84	28.33	28.88		29.00	0.011436	1.57	0.53	1.42	0.82
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP06H	0.46	28.33	28.72		28.81	0.011829	1.39	0.33	1.08	0.80
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP06H	0.28	28.33	28.61		28.69	0.012208	1.23	0.23	0.95	0.80
Rio Bottini	Bottini	66.400	Max WS	IC_TR030_TP09H	0.21	28.33	28.56		28.63	0.012403	1.14	0.18	0.91	0.81
Rio Bottini	Bottini	66.400	Max WS	IC_TR200_TP09H	0.31	28.33	28.63		28.72	0.011913	1.26	0.25	0.97	0.79
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP18H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP18H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP24H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP24H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP36H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP36H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP01H	1.41	28.11	28.84		29.00	0.011160	1.76	0.80	1.75	0.83
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP01H	2.01	28.11	28.97		29.16	0.011016	1.90	1.06	2.04	0.84
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP03H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP03H	0.84	28.11	28.67		28.79	0.011374	1.57	0.54	1.38	0.80
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP06H	0.46	28.11	28.50		28.60	0.011858	1.39	0.33	1.04	0.78
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP06H	0.28	28.11	28.39		28.47	0.011852	1.22	0.23	0.94	0.79
Rio Bottini	Bottini	66.300	Max WS	IC_TR030_TP09H	0.21	28.11	28.35		28.41	0.011559	1.11	0.19	0.90	0.77
Rio Bottini	Bottini	66.300	Max WS	IC_TR200_TP09H	0.31	28.11	28.42		28.50	0.011287	1.24	0.25	0.96	0.77
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP18H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP18H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP24H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP24H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP36H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP36H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP01H	1.41	27.88	28.63		28.79	0.011126	1.75	0.81	1.73	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP01H	2.01	27.88	28.77		28.95	0.010911	1.89	1.07	2.03	0.83
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP03H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP03H	0.84	27.88	28.46		28.58	0.011171	1.56	0.54	1.34	0.78
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP06H	0.46	27.88	28.28		28.38	0.011852	1.40	0.33	1.01	0.78
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP06H	0.28	27.88	28.17		28.25	0.012439	1.24	0.23	0.92	0.80
Rio Bottini	Bottini	66.200	Max WS	IC_TR030_TP09H	0.21	27.88	28.12		28.19	0.013075	1.16	0.18	0.88	0.82
Rio Bottini	Bottini	66.200	Max WS	IC_TR200_TP09H	0.31	27.88	28.19		28.28	0.012163	1.27	0.25	0.94	0.79
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP18H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP18H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP24H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP24H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP36H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP36H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP01H	1.41	27.66	28.45		28.59	0.009968	1.67	0.84	1.74	0.77
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP01H	2.01	27.66	28.59		28.76	0.009821	1.81	1.11	2.06	0.78
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP03H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP03H	0.84	27.66	28.25		28.37	0.011139	1.56	0.54	1.29	0.77
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP06H	0.46	27.66	28.11		28.18	0.008319	1.23	0.38	1.03	0.65
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP06H	0.28	27.66	27.96		28.03	0.010523	1.17	0.24	0.92	0.73
Rio Bottini	Bottini	66.100	Max WS	IC_TR030_TP09H	0.21	27.66	27.92		27.98	0.010065	1.06	0.20	0.88	0.71
Rio Bottini	Bottini	66.100	Max WS	IC_TR200_TP09H	0.31	27.66	28.02		28.08	0.007411	1.06	0.29	0.97	0.61
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP18H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP18H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP24H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP24H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP36H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP36H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP01H	1.41	27.43	28.17		28.36	0.014448	1.93	0.73	1.55	0.90
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP01H	2.01	27.43	28.30		28.53	0.014759	2.10	0.96	1.85	0.93
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP03H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP03H	0.83	27.43	28.09		28.18	0.008055	1.37	0.61	1.36	0.65
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP06H	0.46	27.43	28.02		28.06	0.003640	0.89	0.52	1.21	0.43
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP06H	0.28	27.43	27.85		27.89	0.003937	0.82	0.34	0.99	0.44
Rio Bottini	Bottini	66	Max WS	IC_TR030_TP09H	0.21	27.43	27.82		27.85	0.002830	0.67	0.31	0.97	0.38
Rio Bottini	Bottini	66	Max WS	IC_TR200_TP09H	0.31	27.43	27.95		27.98	0.002427	0.70	0.44	1.07	0.35
Rio Bottini	Bottini	65	Max WS	IC_TR200_TP18H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR030_TP18H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR200_TP24H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR030_TP24H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR200_TP36H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR030_TP36H	0.21	27.21	27.82	27.45	27.83	0.000539	0.30	0.69	2.36	0.18
Rio Bottini	Bottini	65	Max WS	IC_TR200_TP01H	1.41	27.21	28.19	27.86	28.24	0.002101	0.90	1.57	2.36	0.35
Rio Bottini	Bottini	65	Max WS	IC_TR200_TP01H	1.99	27.21	28.33	27.95	28.38	0.002521	1.06	1.87	2.36	0.38
Rio Bottini	Bottini	65	Max WS	IC_TR030_TP03H	0.21	2								

River	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
Rio Bottini	Bottini	64	Max WS	IC_TR030_TP09H	0.20	26.60	27.70		27.70	0.000005	0.06	3.43	3.87	0.02
Rio Bottini	Bottini	64	Max WS	IC_TR200_TP09H	0.31	26.60	27.95		27.95	0.000005	0.07	4.57	4.59	0.02
Rio Bottini	Bottini	63.99			Lat Struct									
Rio Bottini	Bottini	63.98			Lat Struct									
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP18H	0.20	26.60	27.58		27.58	0.000011	0.08	2.43	3.57	0.03
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP18H	0.20	26.60	27.32		27.32	0.000040	0.13	1.56	3.05	0.06
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP24H	0.20	26.60	27.48		27.48	0.000017	0.10	2.09	3.38	0.04
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP24H	0.20	26.60	27.23		27.23	0.000065	0.15	1.31	2.88	0.07
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP36H	0.20	26.60	27.30		27.30	0.000044	0.13	1.50	3.01	0.06
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP36H	0.20	26.60	27.16		27.16	0.000109	0.18	1.09	2.73	0.09
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP01H	0.69	26.60	27.85		27.86	0.000052	0.20	3.48	4.11	0.07
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP01H	1.95	26.60	28.09		28.10	0.000208	0.43	4.48	4.56	0.14
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP03H	0.20	26.60	27.27		27.27	0.000052	0.14	1.42	2.95	0.07
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP03H	0.81	26.60	28.09		28.09	0.000036	0.18	4.49	4.57	0.06
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP06H	0.47	26.60	28.02		28.02	0.000014	0.11	4.19	4.43	0.04
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP06H	0.20	26.60	27.78		27.78	0.000005	0.06	3.17	3.96	0.02
Rio Bottini	Bottini	63	Max WS	IC_TR030_TP09H	0.20	26.60	27.70		27.70	0.000007	0.07	2.86	3.80	0.03
Rio Bottini	Bottini	63	Max WS	IC_TR200_TP09H	0.30	26.60	27.95		27.95	0.000007	0.08	3.89	4.30	0.03
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP18H	0.23	26.49	27.58		27.58	0.000013	0.09	2.55	3.61	0.03
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP18H	0.22	26.49	27.32		27.32	0.000038	0.13	1.67	3.09	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP24H	0.23	26.49	27.48		27.48	0.000019	0.10	2.22	3.42	0.04
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP24H	0.21	26.49	27.23		27.23	0.000057	0.15	1.42	2.92	0.07
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP36H	0.22	26.49	27.30		27.30	0.000041	0.13	1.62	3.05	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP36H	0.21	26.49	27.15		27.16	0.000086	0.17	1.20	2.76	0.08
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP01H	0.69	26.49	27.85		27.86	0.000046	0.19	3.62	4.15	0.07
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP01H	1.92	26.49	28.08		28.08	0.000188	0.42	4.59	4.56	0.13
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP03H	0.22	26.49	27.27		27.27	0.000049	0.14	1.53	2.99	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP03H	0.88	26.49	28.09		28.09	0.000038	0.19	4.65	4.57	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP06H	0.57	26.49	28.02		28.02	0.000019	0.13	4.33	4.48	0.04
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP06H	0.19	26.49	27.78		27.78	0.000004	0.06	3.31	4.00	0.02
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP09H	0.18	26.49	27.70		27.70	0.000005	0.06	2.98	3.84	0.02
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP09H	0.37	26.49	27.95		27.95	0.000010	0.09	4.03	4.35	0.03
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP18H	0.25	26.38	27.58		27.58	0.000013	0.09	2.74	3.66	0.03
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP18H	0.24	26.38	27.32		27.32	0.000034	0.13	1.84	3.14	0.05
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP24H	0.25	26.38	27.48		27.48	0.000018	0.10	2.39	3.47	0.04
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP24H	0.22	26.38	27.23		27.23	0.000046	0.14	1.58	2.97	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP36H	0.23	26.38	27.30		27.30	0.000036	0.13	1.78	3.10	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP36H	0.21	26.38	27.15		27.15	0.000063	0.16	1.35	2.81	0.07
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP01H	0.68	26.38	27.86		27.86	0.000038	0.18	3.83	4.21	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP01H	1.92	26.38	28.08		28.09	0.000162	0.40	4.79	4.27	0.12
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP03H	0.24	26.38	27.27		27.27	0.000042	0.14	1.69	3.04	0.06
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP03H	0.71	26.38	28.10		28.10	0.000021	0.15	4.86	4.27	0.04
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP06H	0.57	26.38	28.02		28.02	0.000017	0.13	4.52	4.27	0.04
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP06H	0.17	26.38	27.78		27.78	0.000003	0.05	3.50	4.05	0.02
Rio Bottini	Bottini	62.800	Max WS	IC_TR030_TP09H	0.15	26.38	27.70		27.70	0.000003	0.05	3.18	3.89	0.02
Rio Bottini	Bottini	62.800	Max WS	IC_TR200_TP09H	0.41	26.38	27.95		27.95	0.000011	0.10	4.24	4.27	0.03
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP18H	0.27	26.26	27.58		27.58	0.000012	0.09	2.98	3.71	0.03
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP18H	0.25	26.26	27.32		27.32	0.000028	0.12	2.07	3.19	0.05
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP24H	0.28	26.26	27.48		27.48	0.000017	0.10	2.63	3.52	0.04
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP24H	0.24	26.26	27.23		27.23	0.000035	0.13	1.80	3.03	0.05
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP36H	0.25	26.26	27.30		27.30	0.000029	0.12	2.01	3.16	0.05
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP36H	0.22	26.26	27.15		27.15	0.000043	0.14	1.57	2.87	0.06
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP01H	0.46	26.26	27.87		27.87	0.000014	0.11	4.09	3.98	0.04
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP01H	2.05	26.26	28.08		28.09	0.000164	0.41	4.96	3.98	0.12
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP03H	0.25	26.26	27.27		27.27	0.000034	0.13	1.91	3.10	0.05
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP03H	0.89	26.26	28.09		28.09	0.000030	0.18	4.99	3.98	0.05
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP06H	0.28	26.26	28.04		28.04	0.000003	0.06	4.79	3.98	0.02
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP06H	0.13	26.26	27.78		27.78	0.000001	0.03	3.76	3.98	0.01
Rio Bottini	Bottini	62.400	Max WS	IC_TR030_TP09H	0.12	26.26	27.70		27.70	0.000002	0.04	3.44	3.94	0.01
Rio Bottini	Bottini	62.400	Max WS	IC_TR200_TP09H	0.07	26.26	27.97		27.97	0.000000	0.01	4.51	3.98	0.00
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP18H	0.27	26.15	27.58		27.58	0.000008	0.08	3.29	3.68	0.03
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP18H	0.27	26.15	27.31		27.32	0.000022	0.12	2.35	3.24	0.04
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP24H	0.30	26.15	27.48		27.48	0.000015	0.10	2.92	3.56	0.04
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP24H	0.25	26.15	27.23		27.23	0.000026	0.12	2.08	3.08	0.05
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP36H	0.27	26.15	27.30		27.30	0.000023	0.12	2.29	3.21	0.04
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP36H	0.22	26.15	27.15		27.15	0.000028	0.12	1.85	2.93	0.05
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP01H	0.88	26.15	27.88		27.88	0.000042	0.20	4.38	3.68	0.06
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP01H	1.74	26.15	28.06		28.07	0.000112	0.34	5.05	3.68	0.09
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP03H	0.27	26.15	27.27		27.27	0.000027	0.12	2.20	3.15	0.05
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP03H	0.96	26.15	28.08		28.08	0.000033	0.19	5.11	3.68	0.05
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP06H	1.05	26.15	28.05		28.05	0.000042	0.21	4.99	3.68	0.06
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP06H	0.32	26.15	27.79		27.79	0.000007	0.08	4.06	3.68	0.02
Rio Bottini	Bottini	62.200	Max WS	IC_TR030_TP09H	0.09	26.15	27.71		27.71	0.000001	0.02	3.76	3.68	0.01
Rio Bottini	Bottini	62.200	Max WS	IC_TR200_TP09H	0.72	26.15	27.98		27.98	0.000023	0.15	4.75	3.68	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP18H	0.46	26.04	27.59		27.59	0.000020	0.13	3.61	3.38	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP18H	0.29	26.04	27.31		27.31	0.000017	0.11	2.70	3.27	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP24H	0.15	26.04	27.48		27.48	0.000003	0.05	3.27	3.38	0.02
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP24H	0.26	26.04	27.23		27.23	0.000019	0.11	2.43	3.12	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP36H	0.28	26.04	27.30		27.30	0.000018	0.11	2.64	3.24	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP36H	0.23	26.04	27.15		27.15	0.000019	0.10	2.19	2.98	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP01H	0.88	26.04	27.86		27.86	0.000038	0.19	4.53	3.38	0.05
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP01H	0.92	26.04	28.05		28.05	0.000029	0.18	5.19	3.38	0.05
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP03H	0.29	26.04	27.27		27.27	0.000020	0.11	2.54	3.18	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP03H	0.72	26.04	28.06		28.06	0.000018	0.14	5.21	3.38	0.04
Rio Bottini	Bottini	62	Max WS	IC_TR200_TP06H	1.03	26.04	28.02		28.03	0.000039	0.20	5.09	3.38	0.05
Rio Bottini	Bottini	62	Max WS	IC_TR030_TP06H	0.52	26.04	27.78		27.78	0.000016	0.12</			

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Bottini	Bottini	60.5												
					Bridge									
Rio Bottini	Bottini	60	Max WS	IC TR200 TP18H	0.45	25.54	27.57		27.57	0.000011	0.14	3.10	3.43	0.03
Rio Bottini	Bottini	60	Max WS	IC TR030 TP18H	0.32	25.54	27.30		27.30	0.000009	0.12	2.64	3.12	0.03
Rio Bottini	Bottini	60	Max WS	IC TR200 TP24H	0.35	25.54	27.47		27.47	0.000008	0.12	2.93	3.32	0.03
Rio Bottini	Bottini	60	Max WS	IC TR030 TP24H	0.28	25.54	27.22		27.22	0.000009	0.11	2.49	3.02	0.03
Rio Bottini	Bottini	60	Max WS	IC TR200 TP36H	0.31	25.54	27.28		27.28	0.000009	0.12	2.61	3.10	0.03
Rio Bottini	Bottini	60	Max WS	IC TR030 TP36H	0.24	25.54	27.14		27.14	0.000007	0.10	2.36	2.93	0.03
Rio Bottini	Bottini	60	Max WS	IC TR030 TP01H	0.70	25.54	27.85		27.85	0.000016	0.19	3.57	3.59	0.04
Rio Bottini	Bottini	60	Max WS	IC TR200 TP01H	2.03	25.54	27.96		27.97	0.000116	0.54	3.77	3.59	0.12
Rio Bottini	Bottini	60	Max WS	IC TR030 TP03H	0.32	25.54	27.25		27.25	0.000010	0.12	2.55	3.06	0.03
Rio Bottini	Bottini	60	Max WS	IC TR200 TP03H	1.09	25.54	28.01		28.02	0.000031	0.28	3.86	3.59	0.06
Rio Bottini	Bottini	60	Max WS	IC TR200 TP06H	1.16	25.54	27.99		28.00	0.000036	0.30	3.82	3.59	0.06
Rio Bottini	Bottini	60	Max WS	IC TR030 TP06H	0.28	25.54	27.77		27.77	0.000003	0.08	3.45	3.59	0.02
Rio Bottini	Bottini	60	Max WS	IC TR030 TP09H	0.45	25.54	27.69		27.69	0.000009	0.14	3.31	3.55	0.03
Rio Bottini	Bottini	60	Max WS	IC TR200 TP09H	0.91	25.54	27.93		27.94	0.000024	0.24	3.72	3.59	0.05
Rio Bottini	Bottini	59	Max WS	IC TR200 TP18H	0.45	25.54	27.57		27.57	0.000012	0.10	4.34	3.43	0.03
Rio Bottini	Bottini	59	Max WS	IC TR030 TP18H	0.32	25.54	27.30		27.30	0.000011	0.09	3.47	3.12	0.03
Rio Bottini	Bottini	59	Max WS	IC TR200 TP24H	0.35	25.54	27.47		27.47	0.000009	0.09	4.01	3.32	0.03
Rio Bottini	Bottini	59	Max WS	IC TR030 TP24H	0.28	25.54	27.22		27.22	0.000010	0.09	3.21	3.02	0.03
Rio Bottini	Bottini	59	Max WS	IC TR200 TP36H	0.31	25.54	27.28		27.28	0.000010	0.09	3.42	3.10	0.03
Rio Bottini	Bottini	59	Max WS	IC TR030 TP36H	0.24	25.54	27.14		27.14	0.000009	0.08	2.99	2.93	0.02
Rio Bottini	Bottini	59	Max WS	IC TR030 TP01H	0.70	25.54	27.84		27.85	0.000017	0.13	5.32	3.59	0.03
Rio Bottini	Bottini	59	Max WS	IC TR200 TP01H	2.34	25.54	27.96		27.97	0.000152	0.41	5.75	3.59	0.10
Rio Bottini	Bottini	59	Max WS	IC TR030 TP03H	0.32	25.54	27.25		27.25	0.000012	0.10	3.32	3.06	0.03
Rio Bottini	Bottini	59	Max WS	IC TR200 TP03H	1.08	25.54	28.01		28.01	0.000030	0.18	5.92	3.59	0.05
Rio Bottini	Bottini	59	Max WS	IC TR200 TP06H	1.16	25.54	27.99		27.99	0.000036	0.20	5.85	3.59	0.05
Rio Bottini	Bottini	59	Max WS	IC TR030 TP06H	0.28	25.54	27.77		27.77	0.000003	0.05	5.07	3.59	0.01
Rio Bottini	Bottini	59	Max WS	IC TR030 TP09H	0.45	25.54	27.69		27.69	0.000009	0.09	4.77	3.55	0.03
Rio Bottini	Bottini	59	Max WS	IC TR200 TP09H	0.92	25.54	27.93		27.94	0.000025	0.16	5.64	3.59	0.04
MV50195	MV50195	95.19	Max WS	IC TR200 TP18H	0.95	25.25	26.86		26.86	0.000179	0.28	3.46	4.40	0.10
MV50195	MV50195	95.19	Max WS	IC TR030 TP18H	0.64	25.25	26.83		26.83	0.000089	0.19	3.33	4.37	0.07
MV50195	MV50195	95.19	Max WS	IC TR200 TP24H	0.79	25.25	26.85		26.85	0.000130	0.23	3.40	4.39	0.08
MV50195	MV50195	95.19	Max WS	IC TR030 TP24H	0.52	25.25	26.82		26.82	0.000063	0.16	3.28	4.35	0.06
MV50195	MV50195	95.19	Max WS	IC TR200 TP36H	0.61	25.25	26.83		26.83	0.000082	0.18	3.32	4.37	0.07
MV50195	MV50195	95.19	Max WS	IC TR030 TP36H	0.40	25.25	26.81		26.81	0.000038	0.12	3.23	4.31	0.05
MV50195	MV50195	95.19	Max WS	IC TR030 TP01H	1.30	25.25	26.86		26.87	0.000329	0.37	3.47	4.41	0.13
MV50195	MV50195	95.19	Max WS	IC TR200 TP01H	1.81	25.25	26.90		26.91	0.000568	0.50	3.61	4.45	0.18
MV50195	MV50195	95.19	Max WS	IC TR030 TP03H	0.64	25.25	26.82		26.82	0.000094	0.19	3.27	4.35	0.07
MV50195	MV50195	95.19	Max WS	IC TR200 TP03H	2.46	25.25	26.93		26.95	0.000973	0.65	3.78	4.73	0.23
MV50195	MV50195	95.19	Max WS	IC TR200 TP06H	2.54	25.25	26.94		26.96	0.001027	0.67	3.80	4.76	0.24
MV50195	MV50195	95.19	Max WS	IC TR030 TP06H	1.74	25.25	26.89		26.90	0.000536	0.48	3.59	4.44	0.17
MV50195	MV50195	95.19	Max WS	IC TR030 TP09H	1.29	25.25	26.87		26.88	0.000315	0.37	3.50	4.42	0.13
MV50195	MV50195	95.19	Max WS	IC TR200 TP09H	1.89	25.25	26.91		26.92	0.000599	0.52	3.68	4.50	0.18
MV50195	MV50195	95.1889			Lat Struct									
MV50195	MV50195	95.1888			Lat Struct									
MV50195	MV50195	95.188	Max WS	IC TR200 TP18H	0.95	25.25	26.86		26.86	0.000177	0.27	3.50	4.59	0.10
MV50195	MV50195	95.188	Max WS	IC TR030 TP18H	0.64	25.25	26.83		26.83	0.000087	0.19	3.37	4.55	0.07
MV50195	MV50195	95.188	Max WS	IC TR200 TP24H	0.79	25.25	26.85		26.85	0.000128	0.23	3.44	4.57	0.08
MV50195	MV50195	95.188	Max WS	IC TR030 TP24H	0.52	25.25	26.82		26.82	0.000062	0.16	3.32	4.50	0.06
MV50195	MV50195	95.188	Max WS	IC TR200 TP36H	0.61	25.25	26.83		26.83	0.000081	0.18	3.36	4.55	0.07
MV50195	MV50195	95.188	Max WS	IC TR030 TP36H	0.40	25.25	26.81		26.81	0.000037	0.12	3.27	4.41	0.05
MV50195	MV50195	95.188	Max WS	IC TR030 TP01H	1.30	25.25	26.86		26.87	0.000326	0.37	3.51	4.60	0.14
MV50195	MV50195	95.188	Max WS	IC TR200 TP01H	1.81	25.25	26.89		26.90	0.000564	0.49	3.65	4.64	0.18
MV50195	MV50195	95.188	Max WS	IC TR030 TP03H	0.64	25.25	26.82		26.82	0.000092	0.19	3.30	4.47	0.07
MV50195	MV50195	95.188	Max WS	IC TR200 TP03H	2.46	25.25	26.92		26.95	0.000928	0.65	3.81	4.69	0.23
MV50195	MV50195	95.188	Max WS	IC TR200 TP06H	2.54	25.25	26.93		26.95	0.000975	0.66	3.82	4.69	0.23
MV50195	MV50195	95.188	Max WS	IC TR030 TP06H	1.74	25.25	26.89		26.90	0.000532	0.48	3.63	4.63	0.17
MV50195	MV50195	95.188	Max WS	IC TR030 TP09H	1.29	25.25	26.87		26.87	0.000312	0.36	3.54	4.61	0.13
MV50195	MV50195	95.188	Max WS	IC TR200 TP09H	1.89	25.25	26.91		26.92	0.000590	0.51	3.71	4.66	0.18
MV50195	MV50195	95.1869	Max WS	IC TR200 TP18H	0.95	25.26	26.86		26.86	0.000177	0.27	3.53	4.78	0.10
MV50195	MV50195	95.1869	Max WS	IC TR030 TP18H	0.64	25.26	26.83		26.83	0.000087	0.19	3.40	4.69	0.07
MV50195	MV50195	95.1869	Max WS	IC TR200 TP24H	0.79	25.26	26.84		26.85	0.000128	0.23	3.47	4.76	0.09
MV50195	MV50195	95.1869	Max WS	IC TR030 TP24H	0.52	25.26	26.82		26.82	0.000060	0.16	3.35	4.59	0.06
MV50195	MV50195	95.1869	Max WS	IC TR200 TP36H	0.61	25.26	26.83		26.83	0.000080	0.18	3.39	4.67	0.07
MV50195	MV50195	95.1869	Max WS	IC TR030 TP36H	0.40	25.26	26.81		26.81	0.000036	0.12	3.30	4.49	0.05
MV50195	MV50195	95.1869	Max WS	IC TR030 TP01H	1.30	25.26	26.86		26.86	0.000327	0.37	3.53	4.78	0.14
MV50195	MV50195	95.1869	Max WS	IC TR200 TP01H	1.81	25.26	26.89		26.90	0.000568	0.49	3.67	4.82	0.18
MV50195	MV50195	95.1869	Max WS	IC TR030 TP03H	0.64	25.26	26.82		26.82	0.000090	0.19	3.33	4.55	0.07
MV50195	MV50195	95.1869	Max WS	IC TR200 TP03H	2.46	25.26	26.92		26.94	0.000941	0.64	3.82	4.87	0.23
MV50195	MV50195	95.1869	Max WS	IC TR200 TP06H	2.54	25.26	26.92		26.94	0.000990	0.66	3.83	4.87	0.24
MV50195	MV50195	95.1869	Max WS	IC TR030 TP06H	1.74	25.26	26.88		26.89	0.000535	0.48	3.65	4.82	0.17
MV50195	MV50195	95.1869	Max WS	IC TR030 TP09H	1.29	25.26	26.87		26.87	0.000312	0.36	3.57	4.79	0.13
MV50195	MV50195	95.1869	Max WS	IC TR200 TP09H	1.89	25.26	26.90		26.91	0.000594	0.51	3.74	4.84	0.18
MV50195	MV50195	95.185	Max WS	IC TR200 TP18H	0.95	25.26	26.86		26.86	0.000179	0.27	3.55	4.95	0.10
MV50195	MV50195	95.185	Max WS	IC TR030 TP18H	0.64	25.26	26.83		2					

River	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
MV50195	MV50195	95.182	Max WS	IC_TR200_TP18H	0.95	25.28	26.85		26.86	0.000184	0.27	3.51	4.99	0.10
MV50195	MV50195	95.182	Max WS	IC_TR030_TP18H	0.64	25.28	26.83		26.83	0.000088	0.19	3.39	4.79	0.07
MV50195	MV50195	95.182	Max WS	IC_TR200_TP24H	0.79	25.28	26.84		26.84	0.000130	0.23	3.46	4.86	0.09
MV50195	MV50195	95.182	Max WS	IC_TR030_TP24H	0.52	25.28	26.82		26.82	0.000062	0.16	3.35	4.74	0.06
MV50195	MV50195	95.182	Max WS	IC_TR200_TP36H	0.61	25.28	26.83		26.83	0.000082	0.18	3.39	4.78	0.07
MV50195	MV50195	95.182	Max WS	IC_TR030_TP36H	0.40	25.28	26.81		26.81	0.000037	0.12	3.30	4.68	0.05
MV50195	MV50195	95.182	Max WS	IC_TR030_TP01H	1.30	25.28	26.85		26.86	0.000344	0.37	3.50	4.95	0.14
MV50195	MV50195	95.182	Max WS	IC_TR200_TP01H	1.81	25.28	26.87		26.88	0.000643	0.50	3.61	5.26	0.19
MV50195	MV50195	95.182	Max WS	IC_TR030_TP03H	0.64	25.28	26.81		26.81	0.000093	0.19	3.32	4.71	0.07
MV50195	MV50195	95.182	Max WS	IC_TR200_TP03H	2.46	25.28	26.89		26.91	0.001148	0.66	3.72	5.54	0.26
MV50195	MV50195	95.182	Max WS	IC_TR200_TP06H	2.52	25.28	26.89		26.92	0.001206	0.68	3.73	5.57	0.26
MV50195	MV50195	95.182	Max WS	IC_TR030_TP06H	1.72	25.28	26.87		26.88	0.000585	0.48	3.59	5.22	0.18
MV50195	MV50195	95.182	Max WS	IC_TR030_TP09H	1.28	25.28	26.86		26.86	0.000331	0.36	3.54	5.06	0.14
MV50195	MV50195	95.182	Max WS	IC_TR200_TP09H	1.85	25.28	26.88		26.90	0.000659	0.50	3.68	5.45	0.20
MV50195	MV50195	95.18	Max WS	IC_TR200_TP18H	0.95	25.29	26.85		26.86	0.000195	0.28	3.45	4.96	0.11
MV50195	MV50195	95.18	Max WS	IC_TR030_TP18H	0.64	25.29	26.83		26.83	0.000094	0.19	3.33	4.79	0.07
MV50195	MV50195	95.18	Max WS	IC_TR200_TP24H	0.79	25.29	26.84		26.84	0.000139	0.23	3.40	4.89	0.09
MV50195	MV50195	95.18	Max WS	IC_TR030_TP24H	0.52	25.29	26.82		26.82	0.000066	0.16	3.29	4.72	0.06
MV50195	MV50195	95.18	Max WS	IC_TR200_TP36H	0.61	25.29	26.83		26.83	0.000087	0.18	3.33	4.78	0.07
MV50195	MV50195	95.18	Max WS	IC_TR030_TP36H	0.40	25.29	26.81		26.81	0.000040	0.12	3.24	4.65	0.05
MV50195	MV50195	95.18	Max WS	IC_TR200_TP01H	1.27	25.29	26.85		26.85	0.000353	0.37	3.43	4.93	0.14
MV50195	MV50195	95.18	Max WS	IC_TR200_TP01H	1.77	25.29	26.87		26.88	0.000643	0.50	3.52	5.07	0.19
MV50195	MV50195	95.18	Max WS	IC_TR030_TP03H	0.64	25.29	26.81		26.81	0.000098	0.19	3.26	4.68	0.07
MV50195	MV50195	95.18	Max WS	IC_TR200_TP03H	2.41	25.29	26.88		26.90	0.001145	0.67	3.60	5.21	0.26
MV50195	MV50195	95.18	Max WS	IC_TR200_TP06H	2.42	25.29	26.88		26.90	0.001155	0.67	3.61	5.22	0.26
MV50195	MV50195	95.18	Max WS	IC_TR030_TP06H	1.68	25.29	26.86		26.87	0.000584	0.48	3.51	5.05	0.18
MV50195	MV50195	95.18	Max WS	IC_TR030_TP09H	1.28	25.29	26.85		26.86	0.000347	0.37	3.47	4.99	0.14
MV50195	MV50195	95.18	Max WS	IC_TR200_TP09H	1.73	25.29	26.88		26.89	0.000593	0.48	3.59	5.18	0.18
MV50195	MV50195	95.17	Max WS	IC_TR200_TP18H	-0.18	25.29	26.86		26.86	0.000008	-0.08	2.35	3.78	0.02
MV50195	MV50195	95.17	Max WS	IC_TR030_TP18H	-0.31	25.29	26.83		26.83	0.000028	-0.14	2.29	3.70	0.04
MV50195	MV50195	95.17	Max WS	IC_TR200_TP24H	-0.25	25.29	26.85		26.85	0.000016	-0.11	2.32	3.74	0.03
MV50195	MV50195	95.17	Max WS	IC_TR030_TP24H	-0.34	25.29	26.82		26.82	0.000033	-0.15	2.27	3.66	0.04
MV50195	MV50195	95.17	Max WS	IC_TR200_TP36H	-0.32	25.29	26.83		26.83	0.000027	-0.14	2.29	3.69	0.04
MV50195	MV50195	95.17	Max WS	IC_TR030_TP36H	-0.36	25.29	26.81		26.81	0.000038	-0.16	2.25	3.63	0.05
MV50195	MV50195	95.17	Max WS	IC_TR030_TP01H	0.03	25.29	26.86		26.86	0.000000	0.01	2.35	3.79	0.00
MV50195	MV50195	95.17	Max WS	IC_TR200_TP01H	0.25	25.29	26.89		26.89	0.000016	0.11	2.41	3.87	0.03
MV50195	MV50195	95.17	Max WS	IC_TR030_TP03H	-0.24	25.29	26.82		26.82	0.000017	-0.11	2.26	3.66	0.03
MV50195	MV50195	95.17	Max WS	IC_TR200_TP03H	0.63	25.29	26.93		26.93	0.000083	0.25	2.48	3.97	0.07
MV50195	MV50195	95.17	Max WS	IC_TR200_TP06H	0.66	25.29	26.93		26.93	0.000090	0.27	2.48	3.97	0.07
MV50195	MV50195	95.17	Max WS	IC_TR030_TP06H	0.18	25.29	26.89		26.89	0.000007	0.07	2.41	3.86	0.02
MV50195	MV50195	95.17	Max WS	IC_TR030_TP09H	-0.02	25.29	26.87		26.87	0.000000	-0.01	2.37	3.81	0.00
MV50195	MV50195	95.17	Max WS	IC_TR200_TP09H	0.32	25.29	26.91		26.91	0.000022	0.13	2.44	3.91	0.04
MV50195	MV50195	95.16			Culvert									
MV50195	MV50195	95.15	Max WS	IC_TR200_TP18H	-0.18	25.20	26.86		26.86	0.000007	-0.07	2.48	5.05	0.02
MV50195	MV50195	95.15	Max WS	IC_TR030_TP18H	-0.31	25.20	26.83		26.83	0.000022	-0.13	2.43	4.96	0.04
MV50195	MV50195	95.15	Max WS	IC_TR200_TP24H	-0.25	25.20	26.85		26.85	0.000014	-0.10	2.46	5.01	0.03
MV50195	MV50195	95.15	Max WS	IC_TR030_TP24H	-0.34	25.20	26.82		26.82	0.000027	-0.14	2.41	4.92	0.04
MV50195	MV50195	95.15	Max WS	IC_TR200_TP36H	-0.32	25.20	26.83		26.83	0.000023	-0.13	2.42	4.95	0.04
MV50195	MV50195	95.15	Max WS	IC_TR030_TP36H	-0.36	25.20	26.81		26.81	0.000031	-0.15	2.39	4.88	0.04
MV50195	MV50195	95.15	Max WS	IC_TR030_TP01H	0.03	25.20	26.86		26.86	0.000000	0.01	2.49	5.06	0.00
MV50195	MV50195	95.15	Max WS	IC_TR200_TP01H	0.26	25.20	26.89		26.89	0.000013	0.10	2.54	5.13	0.03
MV50195	MV50195	95.15	Max WS	IC_TR030_TP03H	-0.24	25.20	26.82		26.82	0.000014	-0.10	2.40	4.91	0.03
MV50195	MV50195	95.15	Max WS	IC_TR200_TP03H	0.63	25.20	26.92		26.93	0.000071	0.24	2.60	5.13	0.07
MV50195	MV50195	95.15	Max WS	IC_TR200_TP06H	0.66	25.20	26.93		26.93	0.000078	0.25	2.61	5.13	0.07
MV50195	MV50195	95.15	Max WS	IC_TR030_TP06H	0.18	25.20	26.89		26.89	0.000006	0.07	2.54	5.13	0.02
MV50195	MV50195	95.15	Max WS	IC_TR030_TP09H	-0.02	25.20	26.87		26.87	0.000000	-0.01	2.50	5.09	0.00
MV50195	MV50195	95.15	Max WS	IC_TR200_TP09H	0.32	25.20	26.91		26.91	0.000019	0.12	2.57	5.13	0.03
MV50195	MV50195	95.146			Lat Struct									
MV50195	MV50195	95.145			Lat Struct									
MV50195	MV50195	95.14	Max WS	IC_TR200_TP18H	-0.19	25.24	26.86		26.86	0.000008	-0.06	3.27	3.61	0.02
MV50195	MV50195	95.14	Max WS	IC_TR030_TP18H	-0.32	25.24	26.83		26.83	0.000022	-0.10	3.17	3.46	0.03
MV50195	MV50195	95.14	Max WS	IC_TR200_TP24H	-0.26	25.24	26.85		26.85	0.000014	-0.08	3.23	3.54	0.03
MV50195	MV50195	95.14	Max WS	IC_TR030_TP24H	-0.35	25.24	26.82		26.82	0.000027	-0.11	3.14	3.43	0.04
MV50195	MV50195	95.14	Max WS	IC_TR200_TP36H	-0.32	25.24	26.83		26.83	0.000023	-0.10	3.17	3.46	0.03
MV50195	MV50195	95.14	Max WS	IC_TR030_TP36H	-0.36	25.24	26.81		26.81	0.000031	-0.12	3.10	3.40	0.04
MV50195	MV50195	95.14	Max WS	IC_TR030_TP01H	0.00	25.24	26.86		26.86	0.000000	0.00	3.28	3.62	0.00
MV50195	MV50195	95.14	Max WS	IC_TR200_TP01H	0.22	25.24	26.89		26.89	0.000009	0.06	3.39	3.78	0.02
MV50195	MV50195	95.14	Max WS	IC_TR030_TP03H	-0.25	25.24	26.82		26.82	0.000015	-0.08	3.12	3.42	0.03
MV50195	MV50195	95.14	Max WS	IC_TR200_TP03H	0.56	25.24	26.92		26.92	0.000056	0.16	3.51	3.96	0.05
MV50195	MV50195	95.14	Max WS	IC_TR200_TP06H	0.58	25.24	26.93		26.93	0.000061	0.17	3.52	3.97	0.06
MV50195	MV50195	95.14	Max WS	IC_TR030_TP06H	0.13	25.24	26.89		26.89	0.000003	0.04	3.38	3.77	0.01
MV50195	MV50195	95.14	Max WS	IC_TR030_TP09H	-0.05	25.24	26.87		26.87	0.000000	-0.01	3.31	3.66	0.00
MV50195	MV50195	95.14	Max WS	IC_TR200_TP09H	0.29	25.24	26.91		26.91	0.000015	0.08	3.44	3.86	0.03
MV50195	MV50195	95.138	Max WS	IC_TR200_TP18H	-0.19	25.21	26.86		26.86	0.000008	-0.06	3.17	3.68	0.02
MV50195	MV50195	95.138	Max WS	IC_TR030_TP18H	-0.32	25.21	26.83		26.83	0.000025	-0.10	3.07	3.60	0.04
MV50195	MV50195	95.138	Max WS	IC_TR200_TP24H	-0.26	25.21	26.85		26.85	0.000016	-0.08	3.12	3.64	0.03
MV50195	MV50195	95.138	Max WS	IC_TR030_TP24H	-0.35	25.21	26.82		26.82	0.000031	-0.11	3.03	3.57	0.04
MV50195	MV50195	95.138	Max WS	IC_TR200_TP36H	-0.32	25.21	26.83		26.83	0.000026	-0.11	3.06	3.60	0.04
MV50195	MV50195	95.138	Max WS	IC_TR030_TP36H	-0.36	25.21	26.81		26.81	0.000035	-0.12	2.99	3.54	0.04
MV50195	MV50195	95.138	Max WS	IC_TR030_TP01H	0.00	25.21	26.86		26.86	0.000000	0.00	3.18	3.69	0.00
MV50195	MV50195	95.138	Max WS	IC_TR200_TP01H	0.22	25.21	26.89		26.89	0.000010	0.07	3.29	3.85	0.02
MV50195	MV50195	95.138	Max WS	IC_TR030_TP03H	-0.25	25.21	26.82		26.82	0.000017	-0.08	3.0		



River	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
MV50195	MV50195	95.133	Max WS	IC_TR200_TP18H	-0.20	25.16	26.86		26.86	0.000011	-0.07	3.06	3.83	0.02
MV50195	MV50195	95.133	Max WS	IC_TR030_TP18H	-0.32	25.16	26.83		26.83	0.000030	-0.11	2.95	3.77	0.04
MV50195	MV50195	95.133	Max WS	IC_TR200_TP24H	-0.27	25.16	26.85		26.85	0.000020	-0.09	3.01	3.80	0.03
MV50195	MV50195	95.133	Max WS	IC_TR030_TP24H	-0.35	25.16	26.82		26.82	0.000037	-0.12	2.91	3.71	0.04
MV50195	MV50195	95.133	Max WS	IC_TR200_TP36H	-0.32	25.16	26.83		26.83	0.000031	-0.11	2.95	3.76	0.04
MV50195	MV50195	95.133	Max WS	IC_TR030_TP36H	-0.36	25.16	26.81		26.81	0.000042	-0.13	2.88	3.67	0.05
MV50195	MV50195	95.133	Max WS	IC_TR030_TP01H	-0.01	25.16	26.86		26.86	0.000000	0.00	3.06	3.84	0.00
MV50195	MV50195	95.133	Max WS	IC_TR200_TP01H	0.18	25.16	26.89		26.89	0.000008	0.06	3.18	3.91	0.02
MV50195	MV50195	95.133	Max WS	IC_TR030_TP03H	-0.25	25.16	26.82		26.82	0.000020	-0.09	2.90	3.69	0.03
MV50195	MV50195	95.133	Max WS	IC_TR200_TP03H	0.47	25.16	26.92		26.92	0.000050	0.14	3.29	4.00	0.05
MV50195	MV50195	95.133	Max WS	IC_TR200_TP06H	0.49	25.16	26.92		26.93	0.000053	0.15	3.31	4.02	0.05
MV50195	MV50195	95.133	Max WS	IC_TR030_TP06H	0.09	25.16	26.89		26.89	0.000002	0.03	3.16	3.90	0.01
MV50195	MV50195	95.133	Max WS	IC_TR030_TP09H	-0.07	25.16	26.87		26.87	0.000001	-0.02	3.09	3.86	0.01
MV50195	MV50195	95.133	Max WS	IC_TR200_TP09H	0.23	25.16	26.91		26.91	0.000013	0.07	3.23	3.94	0.03
MV50195	MV50195	95.13	Max WS	IC_TR200_TP18H	-0.20	25.14	26.86		26.86	0.000012	-0.07	3.05	3.74	0.02
MV50195	MV50195	95.13	Max WS	IC_TR030_TP18H	-0.32	25.14	26.83		26.83	0.000030	-0.11	2.95	3.63	0.04
MV50195	MV50195	95.13	Max WS	IC_TR200_TP24H	-0.27	25.14	26.85		26.85	0.000020	-0.09	3.00	3.69	0.03
MV50195	MV50195	95.13	Max WS	IC_TR030_TP24H	-0.35	25.14	26.82		26.82	0.000038	-0.12	2.91	3.58	0.04
MV50195	MV50195	95.13	Max WS	IC_TR200_TP36H	-0.32	25.14	26.83		26.83	0.000032	-0.11	2.94	3.62	0.04
MV50195	MV50195	95.13	Max WS	IC_TR030_TP36H	-0.36	25.14	26.81		26.81	0.000043	-0.13	2.87	3.54	0.04
MV50195	MV50195	95.13	Max WS	IC_TR030_TP01H	-0.01	25.14	26.86		26.86	0.000000	0.00	3.05	3.74	0.00
MV50195	MV50195	95.13	Max WS	IC_TR200_TP01H	0.18	25.14	26.89		26.89	0.000008	0.06	3.16	3.86	0.02
MV50195	MV50195	95.13	Max WS	IC_TR030_TP03H	-0.25	25.14	26.82		26.82	0.000020	-0.09	2.89	3.56	0.03
MV50195	MV50195	95.13	Max WS	IC_TR200_TP03H	0.47	25.14	26.92		26.92	0.000053	0.14	3.28	3.98	0.05
MV50195	MV50195	95.13	Max WS	IC_TR200_TP06H	0.49	25.14	26.92		26.93	0.000056	0.15	3.29	4.00	0.05
MV50195	MV50195	95.13	Max WS	IC_TR030_TP06H	0.09	25.14	26.89		26.89	0.000002	0.03	3.15	3.85	0.01
MV50195	MV50195	95.13	Max WS	IC_TR030_TP09H	-0.07	25.14	26.87		26.87	0.000001	-0.02	3.08	3.77	0.01
MV50195	MV50195	95.13	Max WS	IC_TR200_TP09H	0.23	25.14	26.91		26.91	0.000013	0.07	3.22	3.92	0.03
MV50195	MV50195	95.128	Max WS	IC_TR200_TP18H	-0.20	25.14	26.86		26.86	0.000011	-0.07	3.12	3.82	0.02
MV50195	MV50195	95.128	Max WS	IC_TR030_TP18H	-0.32	25.14	26.83		26.84	0.000028	-0.11	3.02	3.73	0.04
MV50195	MV50195	95.128	Max WS	IC_TR200_TP24H	-0.27	25.14	26.85		26.85	0.000019	-0.09	3.07	3.78	0.03
MV50195	MV50195	95.128	Max WS	IC_TR030_TP24H	-0.35	25.14	26.82		26.82	0.000035	-0.12	2.98	3.69	0.04
MV50195	MV50195	95.128	Max WS	IC_TR200_TP36H	-0.32	25.14	26.83		26.83	0.000030	-0.11	3.01	3.72	0.04
MV50195	MV50195	95.128	Max WS	IC_TR030_TP36H	-0.36	25.14	26.81		26.81	0.000040	-0.12	2.94	3.65	0.04
MV50195	MV50195	95.128	Max WS	IC_TR030_TP01H	-0.01	25.14	26.86		26.86	0.000000	0.00	3.12	3.83	0.00
MV50195	MV50195	95.128	Max WS	IC_TR200_TP01H	0.18	25.14	26.89		26.89	0.000008	0.06	3.24	3.93	0.02
MV50195	MV50195	95.128	Max WS	IC_TR030_TP03H	-0.25	25.14	26.82		26.82	0.000019	-0.09	2.96	3.67	0.03
MV50195	MV50195	95.128	Max WS	IC_TR200_TP03H	0.47	25.14	26.92		26.92	0.000048	0.14	3.35	4.03	0.05
MV50195	MV50195	95.128	Max WS	IC_TR200_TP06H	0.49	25.14	26.92		26.92	0.000052	0.15	3.36	4.05	0.05
MV50195	MV50195	95.128	Max WS	IC_TR030_TP06H	0.09	25.14	26.89		26.89	0.000002	0.03	3.22	3.92	0.01
MV50195	MV50195	95.128	Max WS	IC_TR030_TP09H	-0.07	25.14	26.87		26.87	0.000001	-0.02	3.15	3.85	0.01
MV50195	MV50195	95.128	Max WS	IC_TR200_TP09H	0.23	25.14	26.91		26.91	0.000012	0.07	3.29	3.98	0.02
MV50195	MV50195	95.125	Max WS	IC_TR200_TP18H	-0.34	25.14	26.86		26.86	0.000028	-0.11	3.19	3.87	0.04
MV50195	MV50195	95.125	Max WS	IC_TR030_TP18H	-0.39	25.14	26.83		26.84	0.000039	-0.13	3.09	3.78	0.04
MV50195	MV50195	95.125	Max WS	IC_TR200_TP24H	-0.37	25.14	26.85		26.85	0.000034	-0.12	3.14	3.83	0.04
MV50195	MV50195	95.125	Max WS	IC_TR030_TP24H	-0.40	25.14	26.82		26.83	0.000043	-0.13	3.05	3.75	0.05
MV50195	MV50195	95.125	Max WS	IC_TR200_TP36H	-0.39	25.14	26.83		26.83	0.000040	-0.13	3.08	3.78	0.04
MV50195	MV50195	95.125	Max WS	IC_TR030_TP36H	-0.40	25.14	26.81		26.82	0.000045	-0.13	3.01	3.72	0.05
MV50195	MV50195	95.125	Max WS	IC_TR030_TP01H	-0.15	25.14	26.86		26.86	0.000006	-0.05	3.19	3.87	0.02
MV50195	MV50195	95.125	Max WS	IC_TR200_TP01H	-0.07	25.14	26.89		26.89	0.000001	-0.02	3.31	3.97	0.01
MV50195	MV50195	95.125	Max WS	IC_TR030_TP03H	-0.30	25.14	26.82		26.82	0.000024	-0.10	3.03	3.73	0.03
MV50195	MV50195	95.125	Max WS	IC_TR200_TP03H	0.06	25.14	26.92		26.92	0.000001	0.02	3.43	4.07	0.01
MV50195	MV50195	95.125	Max WS	IC_TR200_TP06H	0.06	25.14	26.92		26.92	0.000001	0.02	3.44	4.08	0.01
MV50195	MV50195	95.125	Max WS	IC_TR030_TP06H	-0.15	25.14	26.89		26.89	0.000005	-0.04	3.30	3.96	0.02
MV50195	MV50195	95.125	Max WS	IC_TR030_TP09H	-0.23	25.14	26.87		26.87	0.000013	-0.07	3.22	3.90	0.03
MV50195	MV50195	95.125	Max WS	IC_TR200_TP09H	-0.09	25.14	26.91		26.91	0.000002	-0.03	3.37	4.02	0.01
MV50195	MV50195	95.123	Max WS	IC_TR200_TP18H	-0.57	25.14	26.86		26.86	0.000073	-0.17	3.26	3.89	0.06
MV50195	MV50195	95.123	Max WS	IC_TR030_TP18H	-0.53	25.14	26.83		26.84	0.000068	-0.17	3.16	3.82	0.06
MV50195	MV50195	95.123	Max WS	IC_TR200_TP24H	-0.55	25.14	26.85		26.85	0.000071	-0.17	3.21	3.86	0.06
MV50195	MV50195	95.123	Max WS	IC_TR030_TP24H	-0.51	25.14	26.82		26.83	0.000066	-0.16	3.12	3.78	0.06
MV50195	MV50195	95.123	Max WS	IC_TR200_TP36H	-0.53	25.14	26.83		26.83	0.000068	-0.17	3.15	3.81	0.06
MV50195	MV50195	95.123	Max WS	IC_TR030_TP36H	-0.49	25.14	26.81		26.82	0.000063	-0.16	3.08	3.75	0.06
MV50195	MV50195	95.123	Max WS	IC_TR030_TP01H	-0.39	25.14	26.86		26.86	0.000033	-0.12	3.26	3.90	0.04
MV50195	MV50195	95.123	Max WS	IC_TR200_TP01H	-0.44	25.14	26.89		26.89	0.000040	-0.13	3.38	3.99	0.05
MV50195	MV50195	95.123	Max WS	IC_TR030_TP03H	-0.40	25.14	26.82		26.82	0.000041	-0.13	3.10	3.77	0.05
MV50195	MV50195	95.123	Max WS	IC_TR200_TP03H	-0.49	25.14	26.92		26.92	0.000044	-0.14	3.50	4.08	0.05
MV50195	MV50195	95.123	Max WS	IC_TR200_TP06H	-0.51	25.14	26.92		26.92	0.000048	-0.14	3.51	4.09	0.05
MV50195	MV50195	95.123	Max WS	IC_TR030_TP06H	-0.49	25.14	26.89		26.89	0.000050	-0.15	3.36	3.98	0.05
MV50195	MV50195	95.123	Max WS	IC_TR030_TP09H	-0.50	25.14	26.87		26.87	0.000054	-0.15	3.29	3.92	0.05
MV50195	MV50195	95.123	Max WS	IC_TR200_TP09H	-0.53	25.14	26.90		26.90	0.000056	-0.16	3.43	4.03	0.05
MV50195	MV50195	95.12	Max WS	IC_TR200_TP18H	-0.57	25.14	26.86		26.86	0.000069	-0.17	3.33	3.91	0.06
MV50195	MV50195	95.12	Max WS	IC_TR030_TP18H	-0.53	25.14	26.84		26.84	0.000065	-0.16	3.23	3.84	0.06
MV50195	MV50195	95.12	Max WS	IC_TR200_TP24H	-0.55	25.14	26.85		26.85	0.000067	-0.17	3.28	3.88	0.06
MV50195	MV50195	95.12	Max WS	IC_TR030_TP24H	-0.51	25.14	26.83		26.83	0.000063	-0.16	3.19	3.81	0.06
MV50195	MV50195	95.12	Max WS	IC_TR200_TP36H	-0.53	25.14	26.83		26.84	0.000065	-0.16	3.22	3.83	0.06
MV50195	MV50195	95.12	Max WS	IC_TR030_TP36H	-0.49	25.14	26.82		26.82	0.000059	-0.16	3.16	3.78	0.05
MV50195	MV50195	95.12	Max WS	IC_TR030_TP01H	-0.39	25.14	26.86		26.86	0.000032	-0.12	3.33	3.92	0.04
MV50195	MV50195	95.12	Max WS	IC_TR200_TP01H	-0.44	25.14	26.89		26.89	0.000038	-0.13	3.45	4.00	0.04
MV50195	MV50195	95.12	Max WS	IC_TR030_TP03H	-0.40	25.14	26.82		26.82	0.000038	-0.13	3.17	3.79	0.04
MV50195	MV50195	95.12	Max WS	IC_TR200_TP03H	-0.49	25.14	26.92		26.92	0.000042	-0.14	3.57	4.07	0.05
MV50195	MV50195	95.12	Max WS	IC_TR200_TP06H	-0									

River	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
MV50195	MV50195	95.09	Max WS	IC TR030 TP24H	-0.51	25.10	26.83		26.83	0.000097	-0.21	2.51	2.78	0.06
MV50195	MV50195	95.09	Max WS	IC TR200 TP36H	-0.53	25.10	26.84		26.84	0.000101	-0.21	2.52	2.78	0.06
MV50195	MV50195	95.09	Max WS	IC TR030 TP36H	-0.49	25.10	26.82		26.82	0.000091	-0.20	2.49	2.78	0.06
MV50195	MV50195	95.09	Max WS	IC TR030 TP01H	-0.39	25.10	26.86		26.86	0.000050	-0.15	2.58	2.78	0.04
MV50195	MV50195	95.09	Max WS	IC TR200 TP01H	-0.44	25.10	26.89		26.90	0.000061	-0.17	2.64	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR030 TP03H	-0.40	25.10	26.82		26.82	0.000060	-0.16	2.49	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR200 TP03H	-0.49	25.10	26.92		26.93	0.000069	-0.18	2.71	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR200 TP06H	-0.51	25.10	26.93		26.93	0.000075	-0.19	2.71	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR030 TP06H	-0.49	25.10	26.89		26.89	0.000077	-0.19	2.64	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR030 TP09H	-0.50	25.10	26.87		26.87	0.000081	-0.19	2.60	2.78	0.05
MV50195	MV50195	95.09	Max WS	IC TR200 TP09H	-0.53	25.10	26.91		26.91	0.000086	-0.20	2.67	2.78	0.06
MV50195	MV50195	95.087*	Max WS	IC TR200 TP18H	-0.57	25.10	26.86		26.87	0.000127	-0.24	2.33	2.80	0.07
MV50195	MV50195	95.087*	Max WS	IC TR030 TP18H	-0.53	25.10	26.84		26.84	0.000118	-0.23	2.28	2.80	0.07
MV50195	MV50195	95.087*	Max WS	IC TR200 TP24H	-0.55	25.10	26.85		26.86	0.000124	-0.24	2.31	2.80	0.07
MV50195	MV50195	95.087*	Max WS	IC TR030 TP24H	-0.51	25.10	26.83		26.83	0.000114	-0.23	2.26	2.80	0.06
MV50195	MV50195	95.087*	Max WS	IC TR200 TP36H	-0.53	25.10	26.84		26.84	0.000118	-0.23	2.28	2.80	0.07
MV50195	MV50195	95.087*	Max WS	IC TR030 TP36H	-0.49	25.10	26.82		26.82	0.000108	-0.22	2.25	2.80	0.06
MV50195	MV50195	95.087*	Max WS	IC TR030 TP01H	-0.39	25.10	26.86		26.87	0.000059	-0.17	2.33	2.80	0.05
MV50195	MV50195	95.087*	Max WS	IC TR200 TP01H	-0.44	25.10	26.89		26.90	0.000071	-0.18	2.38	2.80	0.05
MV50195	MV50195	95.087*	Max WS	IC TR030 TP03H	-0.40	25.10	26.82		26.82	0.000070	-0.18	2.25	2.80	0.05
MV50195	MV50195	95.087*	Max WS	IC TR200 TP03H	-0.49	25.10	26.92		26.93	0.000081	-0.20	2.43	2.80	0.05
MV50195	MV50195	95.087*	Max WS	IC TR200 TP06H	-0.51	25.10	26.93		26.93	0.000088	-0.21	2.44	2.80	0.06
MV50195	MV50195	95.087*	Max WS	IC TR030 TP06H	-0.49	25.10	26.89		26.89	0.000090	-0.21	2.37	2.80	0.06
MV50195	MV50195	95.087*	Max WS	IC TR030 TP09H	-0.50	25.10	26.87		26.87	0.000095	-0.21	2.34	2.80	0.06
MV50195	MV50195	95.087*	Max WS	IC TR200 TP09H	-0.53	25.10	26.91		26.91	0.000100	-0.22	2.40	2.80	0.06
MV50195	MV50195	95.086												
MV50195	MV50195	95.085												
MV50195	MV50195	95.083*	Max WS	IC TR200 TP18H	-0.57	25.10	26.86		26.87	0.000162	-0.28	2.01	2.81	0.08
MV50195	MV50195	95.083*	Max WS	IC TR030 TP18H	-0.53	25.10	26.84		26.84	0.000150	-0.27	1.98	2.81	0.07
MV50195	MV50195	95.083*	Max WS	IC TR200 TP24H	-0.55	25.10	26.85		26.86	0.000158	-0.28	2.00	2.81	0.08
MV50195	MV50195	95.083*	Max WS	IC TR030 TP24H	-0.51	25.10	26.83		26.83	0.000144	-0.26	1.96	2.81	0.07
MV50195	MV50195	95.083*	Max WS	IC TR200 TP36H	-0.53	25.10	26.84		26.84	0.000150	-0.27	1.97	2.81	0.07
MV50195	MV50195	95.083*	Max WS	IC TR030 TP36H	-0.49	25.10	26.82		26.82	0.000136	-0.25	1.95	2.81	0.07
MV50195	MV50195	95.083*	Max WS	IC TR030 TP01H	-0.39	25.10	26.86		26.87	0.000075	-0.19	2.01	2.81	0.05
MV50195	MV50195	95.083*	Max WS	IC TR200 TP01H	-0.44	25.10	26.89		26.90	0.000091	-0.21	2.06	2.81	0.06
MV50195	MV50195	95.083*	Max WS	IC TR030 TP03H	-0.40	25.10	26.82		26.82	0.000089	-0.20	1.95	2.81	0.06
MV50195	MV50195	95.083*	Max WS	IC TR200 TP03H	-0.49	25.10	26.92		26.93	0.000104	-0.23	2.10	2.81	0.06
MV50195	MV50195	95.083*	Max WS	IC TR200 TP06H	-0.51	25.10	26.93		26.93	0.000113	-0.24	2.10	2.81	0.06
MV50195	MV50195	95.083*	Max WS	IC TR030 TP06H	-0.49	25.10	26.89		26.89	0.000115	-0.24	2.05	2.81	0.06
MV50195	MV50195	95.083*	Max WS	IC TR030 TP09H	-0.50	25.10	26.87		26.87	0.000121	-0.24	2.03	2.81	0.07
MV50195	MV50195	95.083*	Max WS	IC TR200 TP09H	-0.53	25.10	26.91		26.91	0.000128	-0.26	2.08	2.81	0.07
MV50195	MV50195	95.08	Max WS	IC TR200 TP18H	-0.57	25.10	26.86		26.87	0.000184	-0.35	1.64	2.83	0.09
MV50195	MV50195	95.08	Max WS	IC TR030 TP18H	-0.53	25.10	26.84		26.84	0.000170	-0.33	1.62	2.83	0.09
MV50195	MV50195	95.08	Max WS	IC TR200 TP24H	-0.55	25.10	26.85		26.86	0.000180	-0.34	1.63	2.83	0.09
MV50195	MV50195	95.08	Max WS	IC TR030 TP24H	-0.51	25.10	26.83		26.83	0.000163	-0.32	1.61	2.83	0.08
MV50195	MV50195	95.08	Max WS	IC TR200 TP36H	-0.53	25.10	26.84		26.84	0.000170	-0.33	1.61	2.83	0.09
MV50195	MV50195	95.08	Max WS	IC TR030 TP36H	-0.49	25.10	26.82		26.82	0.000154	-0.31	1.59	2.83	0.08
MV50195	MV50195	95.08	Max WS	IC TR030 TP01H	-0.39	25.10	26.86		26.87	0.000085	-0.23	1.65	2.83	0.06
MV50195	MV50195	95.08	Max WS	IC TR200 TP01H	-0.44	25.10	26.89		26.90	0.000103	-0.26	1.68	2.83	0.07
MV50195	MV50195	95.08	Max WS	IC TR030 TP03H	-0.40	25.10	26.82		26.82	0.000100	-0.25	1.60	2.83	0.07
MV50195	MV50195	95.08	Max WS	IC TR200 TP03H	-0.49	25.10	26.92		26.93	0.000119	-0.28	1.71	2.83	0.07
MV50195	MV50195	95.08	Max WS	IC TR200 TP06H	-0.51	25.10	26.93		26.93	0.000129	-0.30	1.71	2.83	0.08
MV50195	MV50195	95.08	Max WS	IC TR030 TP06H	-0.49	25.10	26.89		26.89	0.000131	-0.29	1.67	2.83	0.08
MV50195	MV50195	95.08	Max WS	IC TR030 TP09H	-0.50	25.10	26.87		26.88	0.000137	-0.30	1.65	2.83	0.08
MV50195	MV50195	95.08	Max WS	IC TR200 TP09H	-0.53	25.10	26.91		26.91	0.000147	-0.31	1.69	2.83	0.08
MV50195	MV50195	95.07												
MV50195	MV50195	95.06												
MV50195	MV50195	95.06	Max WS	IC TR200 TP18H	-0.57	25.10	27.21		27.22	0.000092	-0.28	2.04	4.04	0.07
MV50195	MV50195	95.06	Max WS	IC TR030 TP18H	-0.53	25.10	27.14		27.15	0.000091	-0.27	1.96	3.87	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP24H	-0.55	25.10	27.18		27.19	0.000093	-0.28	2.01	3.97	0.07
MV50195	MV50195	95.06	Max WS	IC TR030 TP24H	-0.51	25.10	27.11		27.12	0.000091	-0.27	1.93	3.81	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP36H	-0.53	25.10	27.14		27.14	0.000091	-0.27	1.96	3.86	0.06
MV50195	MV50195	95.06	Max WS	IC TR030 TP36H	-0.49	25.10	27.08		27.08	0.000089	-0.26	1.89	3.73	0.06
MV50195	MV50195	95.06	Max WS	IC TR030 TP01H	-0.44	25.10	27.07		27.07	0.000074	-0.24	1.88	3.70	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP01H	-0.51	25.10	27.16		27.16	0.000081	-0.26	1.98	3.91	0.06
MV50195	MV50195	95.06	Max WS	IC TR030 TP03H	-0.40	25.10	26.99		27.00	0.000069	-0.22	1.80	3.55	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP03H	-0.51	25.10	27.20		27.20	0.000075	-0.25	2.03	4.01	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP06H	-0.54	25.10	27.23		27.23	0.000081	-0.26	2.06	4.08	0.06
MV50195	MV50195	95.06	Max WS	IC TR030 TP06H	-0.50	25.10	27.16		27.16	0.000080	-0.25	1.98	3.91	0.06
MV50195	MV50195	95.06	Max WS	IC TR030 TP09H	-0.50	25.10	27.14		27.14	0.000082	-0.26	1.96	3.86	0.06
MV50195	MV50195	95.06	Max WS	IC TR200 TP09H	-0.54	25.10	27.22		27.22	0.000082	-0.26	2.05	4.05	0.06
MV50195	MV50195	95.057												
MV50195	MV50195	95.056												
MV50195	MV50195	95.055	Max WS	IC TR200 TP18H	-0.57	25.13	27.22		27.22	0.000036	-0.13	4.27	4.48	0.04
MV50195	MV50195	95.055	Max WS	IC TR030 TP18H	-0.53	25.13	27.15		27.15	0.000039	-0.13	3.96	4.28	0.04
MV50195	MV50195	95.055	Max WS	IC TR200 TP24H	-0.55	25.13	27.19		27.19	0.000038	-0.13	4.13	4.39	0.04
MV50195	MV50195	95.055	Max WS	IC TR030 TP24H	-0.51	25.13	27.12		27.12	0.000039	-0.13	3.84	4.21	0.04
MV50195	MV50195	95.055	Max WS	IC TR200 TP36H	-0.53	25.13	27.14		27.14	0.000039	-0.13	3.94	4.27	0.04
MV50195	MV50195	95.055	Max WS	IC TR030 TP36H	-0.49	25.13	27.08		27.08	0.000040	-0.13	3.70	4.12	0.04
MV50195	MV50195	95.055	Max WS	IC TR030 TP01H	-0.44	25.13	27.07		27.07	0.000034	-0.12	3.64	4.08	0.04
MV50195	MV50195	95.055	Max WS	IC TR200 TP01H	-0.51	25.13	27.16		27.16	0.000034	-0.13	4.02	4.32	0.04
MV50195	MV50195	95.055	Max WS	IC TR030 TP03H	-0.40	25.13	27.00		27.00	0.000034	-0.12	3.35	3.88	0.04
MV50195	MV50195	95.055	Max WS	IC TR200 TP03H	-0.51	25.13	27.20		27.20	0.000030	-0.12	4.21	4.44	0.04
MV50195														

River	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
MV50195	MV50195	95.045	Max WS	IC_TR200_TP18H	-0.92	25.10	27.22		27.22	0.000071	-0.19	4.79	4.97	0.06
MV50195	MV50195	95.045	Max WS	IC_TR030_TP18H	-0.63	25.10	27.15		27.15	0.000040	-0.14	4.46	4.64	0.05
MV50195	MV50195	95.045	Max WS	IC_TR200_TP24H	-0.77	25.10	27.19		27.19	0.000054	-0.17	4.64	4.79	0.05
MV50195	MV50195	95.045	Max WS	IC_TR030_TP24H	-0.56	25.10	27.12		27.12	0.000034	-0.13	4.33	4.54	0.04
MV50195	MV50195	95.045	Max WS	IC_TR200_TP36H	-0.62	25.10	27.14		27.14	0.000039	-0.14	4.44	4.63	0.05
MV50195	MV50195	95.045	Max WS	IC_TR030_TP36H	-0.50	25.10	27.09		27.09	0.000030	-0.12	4.18	4.46	0.04
MV50195	MV50195	95.045	Max WS	IC_TR030_TP01H	-0.45	25.10	27.07		27.07	0.000025	-0.11	4.11	4.43	0.04
MV50195	MV50195	95.045	Max WS	IC_TR200_TP01H	-0.64	25.10	27.16		27.16	0.000040	-0.14	4.52	4.69	0.05
MV50195	MV50195	95.045	Max WS	IC_TR030_TP03H	-0.40	25.10	27.00		27.00	0.000025	-0.11	3.80	4.25	0.04
MV50195	MV50195	95.045	Max WS	IC_TR200_TP03H	-0.79	25.10	27.20		27.20	0.000055	-0.17	4.73	4.89	0.05
MV50195	MV50195	95.045	Max WS	IC_TR200_TP06H	-0.98	25.10	27.23		27.23	0.000078	-0.20	4.87	5.06	0.07
MV50195	MV50195	95.045	Max WS	IC_TR030_TP06H	-0.65	25.10	27.16		27.16	0.000040	-0.14	4.53	4.70	0.05
MV50195	MV50195	95.045	Max WS	IC_TR030_TP09H	-0.59	25.10	27.14		27.14	0.000036	-0.13	4.44	4.63	0.04
MV50195	MV50195	95.045	Max WS	IC_TR200_TP09H	-0.91	25.10	27.22		27.22	0.000070	-0.19	4.81	5.00	0.06
MV50195	MV50195	95.04	Max WS	IC_TR200_TP18H	-1.71	25.06	27.21		27.22	0.000199	-0.32	5.34	5.44	0.10
MV50195	MV50195	95.04	Max WS	IC_TR030_TP18H	-1.07	25.06	27.14		27.15	0.000095	-0.22	4.98	5.30	0.07
MV50195	MV50195	95.04	Max WS	IC_TR200_TP24H	-1.41	25.06	27.18		27.19	0.000146	-0.27	5.19	5.40	0.09
MV50195	MV50195	95.04	Max WS	IC_TR030_TP24H	-0.89	25.06	27.12		27.12	0.000070	-0.18	4.84	5.15	0.06
MV50195	MV50195	95.04	Max WS	IC_TR200_TP36H	-1.05	25.06	27.14		27.14	0.000091	-0.21	4.97	5.28	0.07
MV50195	MV50195	95.04	Max WS	IC_TR030_TP36H	-0.73	25.06	27.08		27.09	0.000051	-0.16	4.68	4.97	0.05
MV50195	MV50195	95.04	Max WS	IC_TR030_TP01H	-0.64	25.06	27.07		27.07	0.000041	-0.14	4.61	4.89	0.05
MV50195	MV50195	95.04	Max WS	IC_TR200_TP01H	-1.15	25.06	27.16		27.16	0.000105	-0.23	5.06	5.37	0.07
MV50195	MV50195	95.04	Max WS	IC_TR200_TP03H	-0.47	25.06	27.00		27.00	0.000025	-0.11	4.27	4.50	0.04
MV50195	MV50195	95.04	Max WS	IC_TR200_TP03H	-1.52	25.06	27.20		27.20	0.000162	-0.29	5.28	5.42	0.09
MV50195	MV50195	95.04	Max WS	IC_TR200_TP06H	-1.87	25.06	27.23		27.23	0.000228	-0.35	5.43	5.46	0.11
MV50195	MV50195	95.04	Max WS	IC_TR030_TP06H	-1.16	25.06	27.16		27.16	0.000107	-0.23	5.07	5.37	0.08
MV50195	MV50195	95.04	Max WS	IC_TR030_TP09H	-1.02	25.06	27.14		27.14	0.000087	-0.21	4.97	5.29	0.07
MV50195	MV50195	95.04	Max WS	IC_TR200_TP09H	-1.73	25.06	27.21		27.22	0.000202	-0.32	5.36	5.44	0.10
MV50195	MV50195	95.039			Lat Struct									
MV50195	MV50195	95.03	Max WS	IC_TR200_TP18H	-1.72	24.96	27.21		27.22	0.000254	-0.51	3.39	5.13	0.12
MV50195	MV50195	95.03	Max WS	IC_TR030_TP18H	-1.07	24.96	27.14		27.15	0.000112	-0.33	3.27	5.03	0.08
MV50195	MV50195	95.03	Max WS	IC_TR200_TP24H	-1.41	24.96	27.18		27.19	0.000179	-0.42	3.34	5.09	0.10
MV50195	MV50195	95.03	Max WS	IC_TR030_TP24H	-0.89	24.96	27.12		27.12	0.000081	-0.28	3.22	4.99	0.07
MV50195	MV50195	95.03	Max WS	IC_TR200_TP36H	-1.05	24.96	27.14		27.14	0.000107	-0.32	3.27	5.03	0.08
MV50195	MV50195	95.03	Max WS	IC_TR030_TP36H	-0.74	24.96	27.08		27.09	0.000059	-0.23	3.16	4.94	0.06
MV50195	MV50195	95.03	Max WS	IC_TR030_TP01H	-0.64	24.96	27.07		27.07	0.000046	-0.21	3.14	4.92	0.05
MV50195	MV50195	95.03	Max WS	IC_TR200_TP01H	-1.15	24.96	27.16		27.16	0.000125	-0.35	3.30	5.06	0.08
MV50195	MV50195	95.03	Max WS	IC_TR030_TP03H	-0.47	24.96	27.00		27.00	0.000028	-0.16	3.00	4.75	0.04
MV50195	MV50195	95.03	Max WS	IC_TR200_TP03H	-1.52	24.96	27.19		27.21	0.000204	-0.45	3.37	5.12	0.11
MV50195	MV50195	95.03	Max WS	IC_TR200_TP06H	-1.89	24.96	27.22		27.24	0.000298	-0.55	3.42	5.16	0.13
MV50195	MV50195	95.03	Max WS	IC_TR030_TP06H	-1.16	24.96	27.16		27.16	0.000127	-0.35	3.30	5.06	0.09
MV50195	MV50195	95.03	Max WS	IC_TR030_TP09H	-1.02	24.96	27.14		27.14	0.000102	-0.31	3.27	5.03	0.08
MV50195	MV50195	95.03	Max WS	IC_TR200_TP09H	-1.74	24.96	27.21		27.22	0.000259	-0.51	3.40	5.14	0.12
MV50195	MV50195	95.02			Culvert									
MV50195	MV50195	95.011	Max WS	IC_TR200_TP18H	-1.72	25.23	27.23		27.25	0.000900	-0.57	3.00	1.50	0.13
MV50195	MV50195	95.011	Max WS	IC_TR030_TP18H	-1.07	25.23	27.15		27.16	0.000386	-0.37	2.89	1.50	0.09
MV50195	MV50195	95.011	Max WS	IC_TR200_TP24H	-1.41	25.23	27.20		27.21	0.000632	-0.48	2.95	1.50	0.11
MV50195	MV50195	95.011	Max WS	IC_TR030_TP24H	-0.89	25.23	27.12		27.13	0.000275	-0.31	2.84	1.50	0.07
MV50195	MV50195	95.011	Max WS	IC_TR200_TP36H	-1.05	25.23	27.15		27.16	0.000369	-0.36	2.88	1.50	0.08
MV50195	MV50195	95.011	Max WS	IC_TR030_TP36H	-0.74	25.23	27.09		27.09	0.000197	-0.26	2.79	1.50	0.06
MV50195	MV50195	95.011	Max WS	IC_TR030_TP01H	-0.64	25.23	27.08		27.08	0.000153	-0.23	2.77	1.50	0.05
MV50195	MV50195	95.011	Max WS	IC_TR200_TP01H	-1.15	25.23	27.17		27.18	0.000436	-0.40	2.91	1.50	0.09
MV50195	MV50195	95.011	Max WS	IC_TR030_TP03H	-0.47	25.23	27.00		27.00	0.000089	-0.18	2.66	1.50	0.04
MV50195	MV50195	95.011	Max WS	IC_TR200_TP03H	-1.52	25.23	27.22		27.23	0.000722	-0.51	2.98	1.50	0.12
MV50195	MV50195	95.011	Max WS	IC_TR200_TP06H	-1.89	25.23	27.25		27.27	0.001059	-0.62	3.03	1.50	0.14
MV50195	MV50195	95.011	Max WS	IC_TR030_TP06H	-1.16	25.23	27.17		27.18	0.000444	-0.40	2.91	1.50	0.09
MV50195	MV50195	95.011	Max WS	IC_TR030_TP09H	-1.02	25.23	27.15		27.16	0.000352	-0.35	2.88	1.50	0.08
MV50195	MV50195	95.011	Max WS	IC_TR200_TP09H	-1.74	25.23	27.24		27.25	0.000921	-0.58	3.01	1.50	0.13
MV50195	MV50195	95.01	Max WS	IC_TR200_TP18H	-1.72	25.23	27.23		27.25	0.000899	-0.57	3.00	1.50	0.13
MV50195	MV50195	95.01	Max WS	IC_TR030_TP18H	-1.07	25.23	27.15		27.16	0.000386	-0.37	2.89	1.50	0.09
MV50195	MV50195	95.01	Max WS	IC_TR200_TP24H	-1.41	25.23	27.20		27.21	0.000631	-0.48	2.95	1.50	0.11
MV50195	MV50195	95.01	Max WS	IC_TR030_TP24H	-0.89	25.23	27.12		27.13	0.000275	-0.31	2.84	1.50	0.07
MV50195	MV50195	95.01	Max WS	IC_TR200_TP36H	-1.05	25.23	27.15		27.16	0.000369	-0.36	2.88	1.50	0.08
MV50195	MV50195	95.01	Max WS	IC_TR030_TP36H	-0.74	25.23	27.09		27.10	0.000196	-0.26	2.79	1.50	0.06
MV50195	MV50195	95.01	Max WS	IC_TR030_TP01H	-0.64	25.23	27.08		27.08	0.000153	-0.23	2.77	1.50	0.05
MV50195	MV50195	95.01	Max WS	IC_TR200_TP01H	-1.15	25.23	27.17		27.18	0.000435	-0.40	2.91	1.50	0.09
MV50195	MV50195	95.01	Max WS	IC_TR030_TP03H	-0.47	25.23	27.00		27.00	0.000089	-0.18	2.66	1.50	0.04
MV50195	MV50195	95.01	Max WS	IC_TR200_TP03H	-1.52	25.23	27.22		27.23	0.000722	-0.51	2.98	1.50	0.12
MV50195	MV50195	95.01	Max WS	IC_TR200_TP06H	-1.89	25.23	27.25		27.27	0.001058	-0.62	3.03	1.50	0.14
MV50195	MV50195	95.01	Max WS	IC_TR030_TP06H	-1.16	25.23	27.17		27.18	0.000444	-0.40	2.91	1.50	0.09
MV50195	MV50195	95.01	Max WS	IC_TR030_TP09H	-1.02	25.23	27.15		27.16	0.000352	-0.35	2.88	1.50	0.08
MV50195	MV50195	95.01	Max WS	IC_TR200_TP09H	-1.74	25.23	27.24		27.26	0.000920	-0.58	3.01	1.50	0.13
MV50194	MV50194	39.39	Max WS	IC_TR200_TP18H	0.26	27.41	28.07		28.08	0.002683	0.53	0.49	1.56	0.30
MV50194	MV50194	39.39	Max WS	IC_TR030_TP18H	0.17	27.41	28.02		28.03	0.001713	0.41	0.42	1.35	0.24
MV50194	MV50194	39.39	Max WS	IC_TR200_TP24H	0.22	27.41	28.05		28.06	0.002148	0.47	0.46	1.48	0.27
MV50194	MV50194	39.39	Max WS	IC_TR030_TP24H	0.14	27.41	27.94		27.95	0.002070	0.44	0.33	1.09	0.25
MV50194	MV50194	39.39	Max WS	IC_TR200_TP36H	0.17	27.41	28.01		28.02	0.001658	0.41	0.41	1.30	0.23
MV50194	MV50194	39.39	Max WS	IC_TR030_TP36H	0.11	27.41	27.81		27.83	0.004040	0.54	0.20	0.77	0.33
MV50194	MV50194	39.39	Max WS	IC_TR030_TP01H	0.65	27.41	28.18		28.23	0.007040	0.94	0.69	2.02	0.52
MV50194	MV50194	39.39	Max WS	IC_TR200_TP01H	0.91	27.41	28.22		28.29	0.010026	1.17	0.78	2.15	0.62
MV50194	MV50194	39.39	Max WS	IC_TR030_TP03H	0.17	27.41	28.01		28.02	0.001795	0.42	0.41	1.31	0.24
MV50194	MV50194	39.39	Max WS	IC_TR200_TP03H	1.									

River	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
MV50194	MV50194	39.385	Max WS	IC TR030 TP09H	0.28	27.29	28.06		28.07	0.001154	0.40	0.70	1.94	0.21
MV50194	MV50194	39.385	Max WS	IC TR200 TP09H	0.39	27.29	28.09		28.11	0.002023	0.51	0.76	2.30	0.28
MV50194	MV50194	39.383*	Max WS	IC TR200 TP18H	0.21	27.25	28.03		28.04	0.000671	0.30	0.70	2.07	0.16
MV50194	MV50194	39.383*	Max WS	IC TR030 TP18H	0.16	27.25	28.00		28.00	0.000441	0.25	0.63	1.68	0.13
MV50194	MV50194	39.383*	Max WS	IC TR200 TP24H	0.18	27.25	28.02		28.02	0.000527	0.27	0.68	1.90	0.14
MV50194	MV50194	39.383*	Max WS	IC TR030 TP24H	0.14	27.25	27.91		27.91	0.000675	0.29	0.49	1.38	0.15
MV50194	MV50194	39.383*	Max WS	IC TR200 TP36H	0.15	27.25	27.99		27.99	0.000452	0.25	0.62	1.64	0.13
MV50194	MV50194	39.383*	Max WS	IC TR030 TP36H	0.11	27.25	27.87		27.74	0.001435	0.37	0.29	0.95	0.21
MV50194	MV50194	39.383*	Max WS	IC TR030 TP01H	0.44	27.25	28.09		28.11	0.002214	0.52	0.84	2.74	0.30
MV50194	MV50194	39.383*	Max WS	IC TR200 TP01H	0.56	27.25	28.11		28.13	0.003045	0.62	0.89	2.81	0.35
MV50194	MV50194	39.383*	Max WS	IC TR030 TP03H	0.16	27.25	27.99		27.99	0.000490	0.26	0.62	1.64	0.14
MV50194	MV50194	39.383*	Max WS	IC TR200 TP03H	0.67	27.25	28.12		28.15	0.003811	0.72	0.93	2.81	0.40
MV50194	MV50194	39.383*	Max WS	IC TR200 TP06H	0.47	27.25	28.10		28.11	0.002432	0.55	0.86	2.78	0.32
MV50194	MV50194	39.383*	Max WS	IC TR030 TP06H	0.36	27.25	28.08		28.09	0.001626	0.45	0.80	2.58	0.26
MV50194	MV50194	39.383*	Max WS	IC TR030 TP09H	0.28	27.25	28.06		28.06	0.001078	0.37	0.75	2.34	0.21
MV50194	MV50194	39.383*	Max WS	IC TR200 TP09H	0.38	27.25	28.08		28.09	0.001801	0.47	0.81	2.65	0.27
MV50194	MV50194	39.382*	Max WS	IC TR200 TP18H	0.20	27.21	28.03		28.03	0.000590	0.26	0.77	2.55	0.15
MV50194	MV50194	39.382*	Max WS	IC TR030 TP18H	0.15	27.21	27.99		28.00	0.000402	0.22	0.69	2.07	0.12
MV50194	MV50194	39.382*	Max WS	IC TR200 TP24H	0.18	27.21	28.02		28.02	0.000474	0.24	0.74	2.38	0.14
MV50194	MV50194	39.382*	Max WS	IC TR030 TP24H	0.14	27.21	27.90		27.90	0.000541	0.27	0.53	1.41	0.14
MV50194	MV50194	39.382*	Max WS	IC TR200 TP36H	0.15	27.21	27.98		27.99	0.000400	0.23	0.67	1.93	0.12
MV50194	MV50194	39.382*	Max WS	IC TR030 TP36H	0.11	27.21	27.72		27.73	0.001080	0.34	0.33	0.97	0.19
MV50194	MV50194	39.382*	Max WS	IC TR030 TP01H	0.40	27.21	28.08		28.09	0.001428	0.43	0.92	2.82	0.24
MV50194	MV50194	39.382*	Max WS	IC TR200 TP01H	0.49	27.21	28.10		28.11	0.001868	0.51	0.97	2.82	0.28
MV50194	MV50194	39.382*	Max WS	IC TR030 TP03H	0.16	27.21	27.98		27.99	0.000434	0.24	0.67	1.93	0.13
MV50194	MV50194	39.382*	Max WS	IC TR200 TP03H	0.58	27.21	28.11		28.13	0.002320	0.58	1.00	2.82	0.31
MV50194	MV50194	39.382*	Max WS	IC TR200 TP06H	0.42	27.21	28.09		28.10	0.001530	0.45	0.93	2.82	0.25
MV50194	MV50194	39.382*	Max WS	IC TR030 TP06H	0.33	27.21	28.07		28.08	0.001159	0.38	0.88	2.82	0.22
MV50194	MV50194	39.382*	Max WS	IC TR030 TP09H	0.27	27.21	28.05		28.06	0.000881	0.32	0.83	2.77	0.19
MV50194	MV50194	39.382*	Max WS	IC TR200 TP09H	0.35	27.21	28.07		28.08	0.001235	0.40	0.89	2.82	0.22
MV50194	MV50194	39.38	Max WS	IC TR200 TP18H	0.17	27.17	28.03		28.03	0.000484	0.22	0.77	2.79	0.14
MV50194	MV50194	39.38	Max WS	IC TR030 TP18H	0.14	27.17	27.99		27.99	0.000448	0.21	0.67	2.59	0.13
MV50194	MV50194	39.38	Max WS	IC TR200 TP24H	0.15	27.17	28.01		28.02	0.000430	0.21	0.74	2.72	0.13
MV50194	MV50194	39.38	Max WS	IC TR030 TP24H	0.13	27.17	27.90		27.90	0.000301	0.27	0.49	1.40	0.11
MV50194	MV50194	39.38	Max WS	IC TR200 TP36H	0.14	27.17	27.98		27.98	0.000474	0.21	0.64	2.47	0.13
MV50194	MV50194	39.38	Max WS	IC TR030 TP36H	0.11	27.17	27.71		27.72	0.000646	0.31	0.35	1.01	0.15
MV50194	MV50194	39.38	Max WS	IC TR030 TP01H	0.28	27.17	28.08		28.09	0.000694	0.30	0.93	2.84	0.17
MV50194	MV50194	39.38	Max WS	IC TR200 TP01H	0.32	27.17	28.10		28.11	0.000761	0.32	0.99	2.84	0.17
MV50194	MV50194	39.38	Max WS	IC TR030 TP03H	0.14	27.17	27.98		27.98	0.000516	0.22	0.64	2.46	0.14
MV50194	MV50194	39.38	Max WS	IC TR200 TP03H	0.36	27.17	28.12		28.13	0.000873	0.35	1.03	2.84	0.19
MV50194	MV50194	39.38	Max WS	IC TR200 TP06H	0.29	27.17	28.09		28.10	0.000704	0.30	0.95	2.84	0.17
MV50194	MV50194	39.38	Max WS	IC TR030 TP06H	0.25	27.17	28.07		28.07	0.000650	0.28	0.88	2.84	0.16
MV50194	MV50194	39.38	Max WS	IC TR030 TP09H	0.21	27.17	28.05		28.05	0.000599	0.26	0.83	2.84	0.15
MV50194	MV50194	39.38	Max WS	IC TR200 TP09H	0.26	27.17	28.07		28.08	0.000663	0.28	0.90	2.84	0.16
MV50194	MV50194	39.375												
MV50194	MV50194	39.37												
MV50194	MV50194	39.37	Max WS	IC TR200 TP18H	0.17	27.24	28.00		28.00	0.000694	0.28	0.62	1.96	0.16
MV50194	MV50194	39.37	Max WS	IC TR030 TP18H	0.14	27.24	27.94		27.95	0.000616	0.27	0.52	1.56	0.15
MV50194	MV50194	39.37	Max WS	IC TR200 TP24H	0.15	27.24	27.98		27.99	0.000555	0.26	0.58	1.66	0.14
MV50194	MV50194	39.37	Max WS	IC TR030 TP24H	0.13	27.24	27.78		27.79	0.000797	0.37	0.37	1.13	0.17
MV50194	MV50194	39.37	Max WS	IC TR200 TP36H	0.14	27.24	27.92		27.93	0.000696	0.28	0.49	1.51	0.16
MV50194	MV50194	39.37	Max WS	IC TR030 TP36H	0.11	27.24	27.63		27.64	0.002008	0.44	0.25	0.86	0.26
MV50194	MV50194	39.37	Max WS	IC TR030 TP01H	0.28	27.24	28.05		28.06	0.001410	0.38	0.74	2.78	0.23
MV50194	MV50194	39.37	Max WS	IC TR200 TP01H	0.32	27.24	28.06		28.07	0.001712	0.41	0.77	2.95	0.26
MV50194	MV50194	39.37	Max WS	IC TR030 TP03H	0.14	27.24	27.92		27.92	0.000795	0.29	0.48	1.49	0.17
MV50194	MV50194	39.37	Max WS	IC TR200 TP03H	0.36	27.24	28.07		28.08	0.002081	0.45	0.81	3.13	0.28
MV50194	MV50194	39.37	Max WS	IC TR200 TP06H	0.29	27.24	28.05		28.06	0.001475	0.38	0.75	2.84	0.24
MV50194	MV50194	39.37	Max WS	IC TR030 TP06H	0.25	27.24	28.04		28.05	0.001208	0.35	0.71	2.61	0.21
MV50194	MV50194	39.37	Max WS	IC TR030 TP09H	0.21	27.24	28.02		28.03	0.000988	0.32	0.67	2.38	0.19
MV50194	MV50194	39.37	Max WS	IC TR200 TP09H	0.26	27.24	28.04		28.05	0.001269	0.36	0.72	2.67	0.22
MV50194	MV50194	39.367*	Max WS	IC TR200 TP18H	0.17	27.24	28.00		28.00	0.000431	0.24	0.71	1.95	0.13
MV50194	MV50194	39.367*	Max WS	IC TR030 TP18H	0.14	27.24	27.94		27.94	0.000353	0.23	0.61	1.56	0.11
MV50194	MV50194	39.367*	Max WS	IC TR200 TP24H	0.15	27.24	27.98		27.98	0.000338	0.23	0.68	1.66	0.11
MV50194	MV50194	39.367*	Max WS	IC TR030 TP24H	0.13	27.24	27.78		27.79	0.000998	0.34	0.40	1.13	0.18
MV50194	MV50194	39.367*	Max WS	IC TR200 TP36H	0.14	27.24	27.92		27.93	0.000388	0.23	0.59	1.51	0.12
MV50194	MV50194	39.367*	Max WS	IC TR030 TP36H	0.11	27.24	27.62		27.63	0.002341	0.45	0.24	0.85	0.27
MV50194	MV50194	39.367*	Max WS	IC TR030 TP01H	0.28	27.24	28.05		28.05	0.000954	0.33	0.83	2.75	0.20
MV50194	MV50194	39.367*	Max WS	IC TR200 TP01H	0.32	27.24	28.06		28.07	0.001184	0.37	0.86	2.91	0.22
MV50194	MV50194	39.367*	Max WS	IC TR030 TP03H	0.14	27.24	27.92		27.92	0.000439	0.25	0.57	1.49	0.13
MV50194	MV50194	39.367*	Max WS	IC TR200 TP03H	0.36	27.24	28.07		28.08	0.001467	0.41	0.89	3.08	0.24
MV50194	MV50194	39.367*	Max WS	IC TR200 TP06H	0.29	27.24	28.05		28.06	0.001005	0.34	0.84	2.80	0.20
MV50194	MV50194	39.367*	Max WS	IC TR030 TP06H	0.25	27.24	28.04		28.04	0.000801	0.31	0.80	2.58	0.18
MV50194	MV50194	39.367*	Max WS	IC TR030 TP09H	0.21	27.24	28.02		28.03	0.000638	0.28	0.76	2.36	0.16
MV501														

HEC-RAS Profile: Max WS (Continued)

River	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
MV50194	MV50194	39.36	Max WS	IC TR030 TP09H	0.24	27.24	28.02		28.02	0.001040	0.34	0.69	2.25	0.20
MV50194	MV50194	39.36	Max WS	IC TR200 TP09H	0.27	27.24	28.03		28.04	0.001232	0.37	0.73	2.52	0.22
MV50194	MV50194	39.355												
MV50194	MV50194	39.35	Max WS	IC TR200 TP18H	0.20	27.29	27.94		27.94	0.001437	0.33	0.62	3.38	0.25
MV50194	MV50194	39.35	Max WS	IC TR030 TP18H	0.17	27.29	27.87		27.87	0.000426	0.37	0.46	2.85	0.16
MV50194	MV50194	39.35	Max WS	IC TR200 TP24H	0.19	27.29	27.92		27.93	0.001657	0.34	0.56	3.26	0.26
MV50194	MV50194	39.35	Max WS	IC TR030 TP24H	0.14	27.29	27.70		27.71	0.001094	0.45	0.32	2.04	0.25
MV50194	MV50194	39.35	Max WS	IC TR200 TP36H	0.17	27.29	27.84		27.85	0.000488	0.38	0.44	2.63	0.17
MV50194	MV50194	39.35	Max WS	IC TR030 TP36H	0.11	27.29	27.56		27.58	0.003530	0.58	0.19	1.51	0.40
MV50194	MV50194	39.35	Max WS	IC TR030 TP01H	0.28	27.29	27.98		27.99	0.001475	0.37	0.76	3.42	0.25
MV50194	MV50194	39.35	Max WS	IC TR200 TP01H	0.31	27.29	27.98		27.99	0.001598	0.40	0.78	3.42	0.26
MV50194	MV50194	39.35	Max WS	IC TR030 TP03H	0.17	27.29	27.82		27.83	0.000595	0.41	0.42	2.48	0.19
MV50194	MV50194	39.35	Max WS	IC TR200 TP03H	0.33	27.29	27.99		28.00	0.001662	0.41	0.81	3.42	0.27
MV50194	MV50194	39.35	Max WS	IC TR200 TP06H	0.29	27.29	27.98		27.99	0.001477	0.38	0.77	3.42	0.25
MV50194	MV50194	39.35	Max WS	IC TR030 TP06H	0.26	27.29	27.97		27.97	0.001472	0.36	0.72	3.42	0.25
MV50194	MV50194	39.35	Max WS	IC TR030 TP09H	0.24	27.29	27.96		27.96	0.001437	0.35	0.68	3.42	0.25
MV50194	MV50194	39.35	Max WS	IC TR200 TP09H	0.27	27.29	27.97		27.98	0.001485	0.37	0.73	3.42	0.25
MV50194	MV50194	39.348												
MV50194	MV50194	39.347*	Max WS	IC TR200 TP18H	0.20	27.25	27.94		27.94	0.000178	0.17	1.17	3.57	0.10
MV50194	MV50194	39.347*	Max WS	IC TR030 TP18H	0.17	27.25	27.87		27.87	0.000230	0.18	0.93	3.11	0.11
MV50194	MV50194	39.347*	Max WS	IC TR200 TP24H	0.19	27.25	27.92		27.92	0.000187	0.17	1.10	3.54	0.10
MV50194	MV50194	39.347*	Max WS	IC TR030 TP24H	0.14	27.25	27.71		27.71	0.000690	0.28	0.52	2.10	0.18
MV50194	MV50194	39.347*	Max WS	IC TR200 TP36H	0.17	27.25	27.84		27.84	0.000267	0.20	0.85	2.88	0.12
MV50194	MV50194	39.347*	Max WS	IC TR030 TP36H	0.11	27.25	27.56		27.57	0.002938	0.44	0.25	1.52	0.35
MV50194	MV50194	39.347*	Max WS	IC TR200 TP01H	0.26	27.25	27.98		27.98	0.000211	0.20	1.31	3.57	0.10
MV50194	MV50194	39.347*	Max WS	IC TR200 TP01H	0.28	27.25	27.99		27.99	0.000233	0.21	1.34	3.57	0.11
MV50194	MV50194	39.347*	Max WS	IC TR030 TP03H	0.17	27.25	27.82		27.83	0.000328	0.22	0.80	2.72	0.13
MV50194	MV50194	39.347*	Max WS	IC TR200 TP03H	0.30	27.25	28.00		28.00	0.000248	0.22	1.38	3.57	0.11
MV50194	MV50194	39.347*	Max WS	IC TR200 TP06H	0.27	27.25	27.98		27.99	0.000212	0.20	1.33	3.57	0.11
MV50194	MV50194	39.347*	Max WS	IC TR030 TP06H	0.25	27.25	27.97		27.97	0.000204	0.19	1.28	3.57	0.10
MV50194	MV50194	39.347*	Max WS	IC TR030 TP09H	0.23	27.25	27.96		27.96	0.000191	0.18	1.23	3.57	0.10
MV50194	MV50194	39.347*	Max WS	IC TR200 TP09H	0.25	27.25	27.97		27.97	0.000207	0.19	1.29	3.57	0.10
MV50194	MV50194	39.346												
MV50194	MV50194	39.343*	Max WS	IC TR200 TP18H	0.19	27.21	27.94		27.94	0.000146	0.16	1.21	3.63	0.09
MV50194	MV50194	39.343*	Max WS	IC TR030 TP18H	0.17	27.21	27.87		27.87	0.000217	0.18	0.96	3.28	0.10
MV50194	MV50194	39.343*	Max WS	IC TR200 TP24H	0.18	27.21	27.92		27.92	0.000159	0.16	1.14	3.57	0.09
MV50194	MV50194	39.343*	Max WS	IC TR030 TP24H	0.14	27.21	27.70		27.71	0.000633	0.27	0.54	2.13	0.17
MV50194	MV50194	39.343*	Max WS	IC TR200 TP36H	0.17	27.21	27.84		27.84	0.000254	0.19	0.88	3.03	0.11
MV50194	MV50194	39.343*	Max WS	IC TR030 TP36H	0.11	27.21	27.55		27.56	0.002768	0.43	0.25	1.49	0.33
MV50194	MV50194	39.343*	Max WS	IC TR030 TP01H	0.25	27.21	27.98		27.98	0.000184	0.19	1.36	3.73	0.10
MV50194	MV50194	39.343*	Max WS	IC TR200 TP01H	0.27	27.21	27.99		27.99	0.000196	0.19	1.39	3.73	0.10
MV50194	MV50194	39.343*	Max WS	IC TR030 TP03H	0.17	27.21	27.82		27.83	0.000313	0.21	0.83	2.86	0.12
MV50194	MV50194	39.343*	Max WS	IC TR200 TP03H	0.29	27.21	28.00		28.00	0.000205	0.20	1.43	3.73	0.10
MV50194	MV50194	39.343*	Max WS	IC TR200 TP06H	0.26	27.21	27.98		27.99	0.000187	0.19	1.38	3.73	0.10
MV50194	MV50194	39.343*	Max WS	IC TR030 TP06H	0.24	27.21	27.97		27.97	0.000175	0.18	1.32	3.73	0.10
MV50194	MV50194	39.343*	Max WS	IC TR030 TP09H	0.21	27.21	27.96		27.96	0.000160	0.17	1.28	3.69	0.09
MV50194	MV50194	39.343*	Max WS	IC TR200 TP09H	0.24	27.21	27.97		27.97	0.000178	0.18	1.34	3.73	0.10
MV50194	MV50194	39.34	Max WS	IC TR200 TP18H	0.17	27.18	27.94		27.94	0.001401	0.29	0.58	3.60	0.23
MV50194	MV50194	39.34	Max WS	IC TR030 TP18H	0.17	27.18	27.86		27.87	0.000386	0.36	0.47	3.26	0.15
MV50194	MV50194	39.34	Max WS	IC TR200 TP24H	0.17	27.18	27.92		27.92	0.000288	0.33	0.51	3.50	0.13
MV50194	MV50194	39.34	Max WS	IC TR030 TP24H	0.14	27.18	27.70		27.70	0.000834	0.42	0.34	2.13	0.21
MV50194	MV50194	39.34	Max WS	IC TR200 TP36H	0.17	27.18	27.84		27.84	0.000430	0.37	0.45	3.05	0.16
MV50194	MV50194	39.34	Max WS	IC TR030 TP36H	0.11	27.18	27.53		27.55	0.002426	0.52	0.21	1.43	0.33
MV50194	MV50194	39.34	Max WS	IC TR030 TP01H	0.22	27.18	27.98		27.98	0.001170	0.30	0.72	3.77	0.22
MV50194	MV50194	39.34	Max WS	IC TR200 TP01H	0.23	27.18	27.98		27.99	0.001159	0.31	0.75	3.80	0.22
MV50194	MV50194	39.34	Max WS	IC TR030 TP03H	0.17	27.18	27.82		27.82	0.000517	0.40	0.43	2.89	0.17
MV50194	MV50194	39.34	Max WS	IC TR200 TP03H	0.24	27.18	27.99		28.00	0.001105	0.31	0.79	3.85	0.22
MV50194	MV50194	39.34	Max WS	IC TR200 TP06H	0.22	27.18	27.98		27.98	0.001084	0.29	0.74	3.79	0.21
MV50194	MV50194	39.34	Max WS	IC TR030 TP06H	0.20	27.18	27.97		27.97	0.001203	0.30	0.69	3.73	0.22
MV50194	MV50194	39.34	Max WS	IC TR030 TP09H	0.19	27.18	27.96		27.96	0.001224	0.29	0.64	3.68	0.22
MV50194	MV50194	39.34	Max WS	IC TR200 TP09H	0.21	27.18	27.97		27.97	0.001201	0.30	0.70	3.74	0.22
MV50194	MV50194	39.335												
MV50194	MV50194	39.33	Max WS	IC TR200 TP18H	0.17	27.17	27.73		27.73	0.000515	0.41	0.42	2.87	0.18
MV50194	MV50194	39.33	Max WS	IC TR030 TP18H	0.17	27.17	27.62		27.63	0.001124	0.52	0.33	2.03	0.26
MV50194	MV50194	39.33	Max WS	IC TR200 TP24H	0.17	27.17	27.68		27.69	0.000690	0.45	0.38	2.53	0.21
MV50194	MV50194	39.33	Max WS	IC TR030 TP24H	0.14	27.17	27.50		27.52	0.002465	0.61	0.23	1.56	0.36
MV50194	MV50194	39.33	Max WS	IC TR200 TP36H	0.17	27.17	27.60		27.61	0.001275	0.53	0.31	1.89	0.27
MV50194	MV50194	39.33	Max WS	IC TR030 TP36H	0.11	27.17	27.41		27.43	0.005111	0.68	0.16	1.27	0.49
MV50194	MV50194	39.33	Max WS	IC TR030 TP01H	0.21	27.17	27.77		27.78	0.000613	0.47	0.45	3.22	0.20
MV50194	MV50194	39.33	Max WS	IC TR200 TP01H	0.22	27.17	27.79		27.80	0.000594	0.47	0.47	3.32	0.20

River	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
MV50194	MV50194	39.325	Max WS	IC_TR030_TP01H	0.21	27.04	27.77		27.77	0.000143	0.16	1.38	4.17	0.09
MV50194	MV50194	39.325	Max WS	IC_TR200_TP01H	0.22	27.04	27.79		27.79	0.000138	0.15	1.46	4.41	0.08
MV50194	MV50194	39.325	Max WS	IC_TR030_TP03H	0.17	27.04	27.55		27.55	0.000467	0.25	0.68	2.36	0.15
MV50194	MV50194	39.325	Max WS	IC_TR200_TP03H	0.22	27.04	27.81		27.81	0.000116	0.14	1.55	4.62	0.08
MV50194	MV50194	39.325	Max WS	IC_TR200_TP06H	0.21	27.04	27.80		27.81	0.000115	0.14	1.51	4.54	0.08
MV50194	MV50194	39.325	Max WS	IC_TR030_TP06H	0.19	27.04	27.77		27.77	0.000112	0.14	1.38	4.16	0.08
MV50194	MV50194	39.325	Max WS	IC_TR030_TP09H	0.19	27.04	27.76		27.76	0.000116	0.14	1.31	3.93	0.08
MV50194	MV50194	39.325	Max WS	IC_TR200_TP09H	0.20	27.04	27.79		27.79	0.000114	0.14	1.45	4.39	0.08
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP18H	0.15	26.97	27.73		27.73	0.000110	0.14	1.12	3.26	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP18H	0.16	26.97	27.61		27.62	0.000237	0.19	0.81	2.36	0.11
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP24H	0.14	26.97	27.68		27.68	0.000119	0.14	0.98	2.83	0.08
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP24H	0.14	26.97	27.48		27.48	0.000577	0.27	0.53	1.83	0.16
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP36H	0.16	26.97	27.59		27.59	0.000281	0.21	0.76	2.24	0.11
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP36H	0.11	26.97	27.35		27.35	0.001310	0.35	0.31	1.37	0.23
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP01H	0.18	26.97	27.77		27.77	0.000111	0.14	1.28	3.73	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP01H	0.19	26.97	27.79		27.79	0.000107	0.14	1.35	3.79	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP03H	0.17	26.97	27.54		27.54	0.000478	0.26	0.65	2.04	0.15
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP03H	0.20	26.97	27.81		27.81	0.000102	0.14	1.43	3.79	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP06H	0.22	26.97	27.80		27.80	0.000138	0.16	1.40	3.79	0.08
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP06H	0.17	26.97	27.77		27.77	0.000100	0.13	1.28	3.73	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR030_TP09H	0.16	26.97	27.76		27.76	0.000102	0.13	1.23	3.58	0.07
MV50194	MV50194	39.323*	Max WS	IC_TR200_TP09H	0.20	26.97	27.79		27.79	0.000121	0.15	1.35	3.79	0.08
MV50194	MV50194	39.32	Max WS	IC_TR200_TP18H	0.15	26.90	27.72		27.73	0.000578	0.23	0.65	2.61	0.15
MV50194	MV50194	39.32	Max WS	IC_TR030_TP18H	0.16	26.90	27.61		27.61	0.000301	0.29	0.54	1.97	0.12
MV50194	MV50194	39.32	Max WS	IC_TR200_TP24H	0.14	26.90	27.68		27.68	0.000163	0.23	0.61	2.38	0.09
MV50194	MV50194	39.32	Max WS	IC_TR030_TP24H	0.14	26.90	27.47		27.48	0.000591	0.34	0.42	1.51	0.16
MV50194	MV50194	39.32	Max WS	IC_TR200_TP36H	0.16	26.90	27.59		27.59	0.000349	0.30	0.52	1.84	0.13
MV50194	MV50194	39.32	Max WS	IC_TR030_TP36H	0.11	26.90	27.33		27.34	0.001091	0.37	0.30	1.16	0.20
MV50194	MV50194	39.32	Max WS	IC_TR030_TP01H	0.18	26.90	27.77		27.77	0.000501	0.24	0.77	2.71	0.14
MV50194	MV50194	39.32	Max WS	IC_TR200_TP01H	0.18	26.90	27.79		27.79	0.000408	0.22	0.83	2.75	0.13
MV50194	MV50194	39.32	Max WS	IC_TR030_TP03H	0.17	26.90	27.53		27.54	0.000548	0.36	0.48	1.66	0.16
MV50194	MV50194	39.32	Max WS	IC_TR200_TP03H	0.19	26.90	27.81		27.81	0.000345	0.21	0.88	2.77	0.12
MV50194	MV50194	39.32	Max WS	IC_TR200_TP06H	0.19	26.90	27.80		27.80	0.000377	0.22	0.86	2.77	0.12
MV50194	MV50194	39.32	Max WS	IC_TR030_TP06H	0.17	26.90	27.77		27.77	0.000404	0.21	0.78	2.71	0.13
MV50194	MV50194	39.32	Max WS	IC_TR030_TP09H	0.16	26.90	27.75		27.76	0.000452	0.22	0.74	2.68	0.13
MV50194	MV50194	39.32	Max WS	IC_TR200_TP09H	0.18	26.90	27.79		27.79	0.000407	0.22	0.82	2.74	0.13
MV50194	MV50194	39.315												
MV50194	MV50194	39.315			Culvert									
MV50194	MV50194	39.31	Max WS	IC_TR200_TP18H	0.15	26.83	27.68		27.68	0.000114	0.22	0.68	2.66	0.08
MV50194	MV50194	39.31	Max WS	IC_TR030_TP18H	0.16	26.83	27.56		27.56	0.000214	0.27	0.57	2.22	0.11
MV50194	MV50194	39.31	Max WS	IC_TR200_TP24H	0.14	26.83	27.64		27.64	0.000112	0.22	0.64	2.55	0.08
MV50194	MV50194	39.31	Max WS	IC_TR030_TP24H	0.14	26.83	27.43		27.44	0.000374	0.31	0.46	1.74	0.14
MV50194	MV50194	39.31	Max WS	IC_TR200_TP36H	0.16	26.83	27.53		27.54	0.000248	0.29	0.55	2.11	0.12
MV50194	MV50194	39.31	Max WS	IC_TR030_TP36H	0.11	26.83	27.31		27.32	0.000530	0.31	0.35	1.39	0.16
MV50194	MV50194	39.31	Max WS	IC_TR030_TP01H	0.18	26.83	27.73		27.73	0.000605	0.25	0.73	2.80	0.16
MV50194	MV50194	39.31	Max WS	IC_TR200_TP01H	0.18	26.83	27.76		27.76	0.000416	0.22	0.83	2.85	0.13
MV50194	MV50194	39.31	Max WS	IC_TR030_TP03H	0.17	26.83	27.47		27.48	0.000400	0.34	0.50	1.86	0.15
MV50194	MV50194	39.31	Max WS	IC_TR200_TP03H	0.18	26.83	27.80		27.80	0.000267	0.19	0.93	2.85	0.11
MV50194	MV50194	39.31	Max WS	IC_TR200_TP06H	0.18	26.83	27.78		27.78	0.000344	0.21	0.88	2.85	0.12
MV50194	MV50194	39.31	Max WS	IC_TR030_TP06H	0.17	26.83	27.74		27.74	0.000345	0.22	0.76	2.83	0.13
MV50194	MV50194	39.31	Max WS	IC_TR030_TP09H	0.16	26.83	27.72		27.72	0.000109	0.23	0.71	2.77	0.08
MV50194	MV50194	39.31	Max WS	IC_TR200_TP09H	0.18	26.83	27.76		27.76	0.000416	0.22	0.82	2.85	0.13
MV50194	MV50194	39.309			Lat Struct									
MV50194	MV50194	39.308			Lat Struct									
MV50194	MV50194	39.307	Max WS	IC_TR200_TP18H	0.16	26.80	27.68		27.68	0.000105	0.14	1.15	2.76	0.07
MV50194	MV50194	39.307	Max WS	IC_TR030_TP18H	0.17	26.80	27.56		27.56	0.000236	0.20	0.85	2.17	0.10
MV50194	MV50194	39.307	Max WS	IC_TR200_TP24H	0.14	26.80	27.64		27.64	0.000151	0.17	1.04	2.62	0.08
MV50194	MV50194	39.307	Max WS	IC_TR030_TP24H	0.17	26.80	27.43		27.43	0.000381	0.24	0.61	1.76	0.13
MV50194	MV50194	39.307	Max WS	IC_TR200_TP36H	0.17	26.80	27.53		27.53	0.000251	0.21	0.80	2.06	0.11
MV50194	MV50194	39.307	Max WS	IC_TR030_TP36H	0.11	26.80	27.31		27.31	0.000614	0.27	0.41	1.44	0.16
MV50194	MV50194	39.307	Max WS	IC_TR030_TP01H	0.25	26.80	27.72		27.72	0.000187	0.20	1.28	2.91	0.10
MV50194	MV50194	39.307	Max WS	IC_TR200_TP01H	0.25	26.80	27.76		27.76	0.000139	0.18	1.38	2.91	0.08
MV50194	MV50194	39.307	Max WS	IC_TR030_TP03H	0.17	26.80	27.47		27.47	0.000397	0.25	0.68	1.87	0.13
MV50194	MV50194	39.307	Max WS	IC_TR200_TP03H	0.22	26.80	27.79		27.79	0.000092	0.15	1.49	2.91	0.07
MV50194	MV50194	39.307	Max WS	IC_TR200_TP06H	0.32	26.80	27.77		27.78	0.000216	0.22	1.43	2.91	0.10
MV50194	MV50194	39.307	Max WS	IC_TR030_TP06H	0.23	26.80	27.73		27.74	0.000148	0.18	1.31	2.91	0.08
MV50194	MV50194	39.307	Max WS	IC_TR030_TP09H	0.20	26.80	27.71		27.71	0.000124	0.16	1.26	2.89	0.08
MV50194	MV50194	39.307	Max WS	IC_TR200_TP09H	0.27	26.80	27.75		27.75	0.000179	0.20	1.37	2.91	0.09
MV50194	MV50194	39.303	Max WS	IC_TR200_TP18H	0.17	26.76	27.67		27.68	0.000110	0.14	1.16	2.87	0.07
MV50194	MV50194	39.303	Max WS	IC_TR030_TP18H	0.17	26.76	27.55		27.56	0.000236	0.20	0.85	2.11	0.10
MV50194	MV50194	39.303	Max WS	IC_TR200_TP24H	0.18	26.76	27.63		27.64	0.000156	0.17	1.05	2.63	0.08
MV50194	MV50194	39.303	Max WS	IC_TR030_TP24H	0.14	26.76	27.43		27.43	0.000362	0.23	0.62	1.69	0.12
MV50194	MV50194	39.303	Max WS	IC_TR200_TP36H	0.18	26.76	27.53		27.53	0.000275	0.22	0.81	1.97	0.11
MV50194	MV50194	39.303	Max WS	IC_TR030_TP36H	0.11	26.76	27.30		27.31	0.000537	0.25	0.43	1.36	0.14
MV50194	MV50194	39.303	Max WS	IC_TR030_TP01H	0.24	26.76	27.72		27.72	0.000176	0.19	1.30	2.98	0.09
MV50194	MV50194	39.303	Max WS	IC_TR200_TP01H	0.22	26.76	27.76		27.76	0.000113	0.16	1.40	2.98	0.07
MV50194	MV50194	39.303	Max WS	IC_TR030_TP03H	0.17	26.76	27.47		27.47	0.000385	0.25	0.69	1.80	0.13
MV50194	MV50194	39.303	Max WS	IC_TR200_TP03H	0.22	26.76	27.79		27.79	0.000091	0.15	1.51	2.98	0.07
MV50194	MV50194	39.303	Max WS	IC_TR200_TP06H	0.25	26.76	27.77		27.77	0.000136	0.17	1.45	2.98	0.08
MV50194	MV50194	39.303	Max WS	IC_TR030_TP06H	0.22	26.76	27.73		27.73	0.000129	0.16	1.33	2.98	0.08
MV50194	MV50194	39.303	Max WS	IC_TR030_TP09H	0.19	26.76	27.71		27.71	0.000115	0.15	1.27	2.98	0.07
MV50194	MV50194	39.303	Max WS	IC_TR200_TP09H	0.24	26.76	27.75		27.75	0.000143	0.18	1.39	2.98	0.08
MV50194</														

River	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
MV50194	MV50194	39.29	Max WS	IC TR200 TP36H	0.17	26.85	27.40		27.41	0.000445	0.36	0.46	1.47	0.16
MV50194	MV50194	39.29	Max WS	IC TR030 TP36H	0.11	26.85	27.24		27.25	0.000692	0.35	0.31	1.28	0.19
MV50194	MV50194	39.29	Max WS	IC TR030 TP01H	0.23	26.85	27.53		27.53	0.000412	0.40	0.57	1.61	0.16
MV50194	MV50194	39.29	Max WS	IC TR200 TP01H	0.16	26.85	27.70		27.71	0.000089	0.22	0.73	2.25	0.08
MV50194	MV50194	39.29	Max WS	IC TR030 TP03H	0.17	26.85	27.33		27.34	0.000771	0.43	0.40	1.39	0.21
MV50194	MV50194	39.29	Max WS	IC TR200 TP03H	0.09	26.85	27.78		27.78	0.000082	0.10	0.89	2.49	0.06
MV50194	MV50194	39.29	Max WS	IC TR200 TP06H	0.12	26.85	27.75		27.75	0.000193	0.15	0.81	2.37	0.08
MV50194	MV50194	39.29	Max WS	IC TR030 TP06H	0.17	26.85	27.65		27.65	0.000122	0.25	0.68	2.23	0.09
MV50194	MV50194	39.29	Max WS	IC TR030 TP09H	0.17	26.85	27.61		27.61	0.000154	0.27	0.64	1.82	0.10
MV50194	MV50194	39.29	Max WS	IC TR200 TP09H	0.15	26.85	27.70		27.70	0.000081	0.21	0.73	2.25	0.07
MV50194	MV50194	39.289												
					Lat Struct									
MV50194	MV50194	39.288												
					Lat Struct									
MV50194	MV50194	39.287	Max WS	IC TR200 TP18H	0.17	26.78	27.55		27.55	0.000209	0.19	0.89	2.02	0.09
MV50194	MV50194	39.287	Max WS	IC TR030 TP18H	0.17	26.78	27.42		27.42	0.000390	0.26	0.66	1.48	0.12
MV50194	MV50194	39.287	Max WS	IC TR200 TP24H	0.18	26.78	27.49		27.50	0.000290	0.23	0.78	1.74	0.11
MV50194	MV50194	39.287	Max WS	IC TR030 TP24H	0.14	26.78	27.33		27.33	0.000468	0.27	0.54	1.38	0.14
MV50194	MV50194	39.287	Max WS	IC TR200 TP36H	0.17	26.78	27.40		27.41	0.000393	0.26	0.64	1.47	0.13
MV50194	MV50194	39.287	Max WS	IC TR030 TP36H	0.11	26.78	27.24		27.24	0.000547	0.26	0.41	1.26	0.15
MV50194	MV50194	39.287	Max WS	IC TR030 TP01H	0.25	26.78	27.53		27.53	0.000480	0.30	0.84	1.88	0.14
MV50194	MV50194	39.287	Max WS	IC TR200 TP01H	0.23	26.78	27.70		27.70	0.000166	0.18	1.26	2.81	0.09
MV50194	MV50194	39.287	Max WS	IC TR030 TP03H	0.17	26.78	27.33		27.34	0.000661	0.32	0.54	1.38	0.16
MV50194	MV50194	39.287	Max WS	IC TR200 TP03H	0.13	26.78	27.78		27.78	0.000032	0.09	1.49	2.89	0.04
MV50194	MV50194	39.287	Max WS	IC TR200 TP06H	0.18	26.78	27.75		27.75	0.000079	0.13	1.39	2.89	0.06
MV50194	MV50194	39.287	Max WS	IC TR030 TP06H	0.20	26.78	27.65		27.65	0.000171	0.18	1.12	2.54	0.09
MV50194	MV50194	39.287	Max WS	IC TR030 TP09H	0.19	26.78	27.61		27.61	0.000188	0.19	1.01	2.35	0.09
MV50194	MV50194	39.287	Max WS	IC TR200 TP09H	0.21	26.78	27.70		27.70	0.000146	0.17	1.25	2.80	0.08
MV50194	MV50194	39.283	Max WS	IC TR200 TP18H	0.17	26.70	27.55		27.55	0.000170	0.17	1.01	2.59	0.09
MV50194	MV50194	39.283	Max WS	IC TR030 TP18H	0.17	26.70	27.42		27.42	0.000379	0.24	0.71	1.88	0.13
MV50194	MV50194	39.283	Max WS	IC TR200 TP24H	0.18	26.70	27.49		27.49	0.000255	0.21	0.87	2.26	0.11
MV50194	MV50194	39.283	Max WS	IC TR030 TP24H	0.14	26.70	27.33		27.33	0.000427	0.25	0.57	1.47	0.13
MV50194	MV50194	39.283	Max WS	IC TR200 TP36H	0.17	26.70	27.40		27.40	0.000381	0.24	0.69	1.81	0.13
MV50194	MV50194	39.283	Max WS	IC TR030 TP36H	0.11	26.70	27.23		27.24	0.000465	0.25	0.44	1.27	0.13
MV50194	MV50194	39.283	Max WS	IC TR030 TP01H	0.25	26.70	27.52		27.53	0.000408	0.27	0.94	2.40	0.14
MV50194	MV50194	39.283	Max WS	IC TR200 TP01H	0.24	26.70	27.70		27.70	0.000124	0.16	1.46	3.07	0.08
MV50194	MV50194	39.283	Max WS	IC TR030 TP03H	0.17	26.70	27.33		27.33	0.000609	0.30	0.56	1.47	0.16
MV50194	MV50194	39.283	Max WS	IC TR200 TP03H	0.12	26.70	27.78		27.78	0.000019	0.07	1.71	3.07	0.03
MV50194	MV50194	39.283	Max WS	IC TR200 TP06H	0.16	26.70	27.75		27.75	0.000043	0.10	1.61	3.07	0.05
MV50194	MV50194	39.283	Max WS	IC TR030 TP06H	0.23	26.70	27.65		27.65	0.000154	0.17	1.31	3.07	0.08
MV50194	MV50194	39.283	Max WS	IC TR030 TP09H	0.20	26.70	27.61		27.61	0.000162	0.17	1.17	3.07	0.09
MV50194	MV50194	39.283	Max WS	IC TR200 TP09H	0.21	26.70	27.70		27.70	0.000100	0.15	1.46	3.07	0.07
MV50194	MV50194	39.28	Max WS	IC TR200 TP18H	0.17	26.63	27.55		27.55	0.000149	0.25	0.70	3.17	0.09
MV50194	MV50194	39.28	Max WS	IC TR030 TP18H	0.17	26.63	27.41		27.42	0.000282	0.30	0.58	2.35	0.12
MV50194	MV50194	39.28	Max WS	IC TR200 TP24H	0.18	26.63	27.49		27.49	0.000207	0.28	0.64	3.06	0.10
MV50194	MV50194	39.28	Max WS	IC TR030 TP24H	0.14	26.63	27.32		27.33	0.000316	0.29	0.50	1.97	0.12
MV50194	MV50194	39.28	Max WS	IC TR200 TP36H	0.17	26.63	27.40		27.40	0.000281	0.30	0.56	2.30	0.12
MV50194	MV50194	39.28	Max WS	IC TR030 TP36H	0.11	26.63	27.23		27.23	0.000339	0.26	0.41	1.56	0.12
MV50194	MV50194	39.28	Max WS	IC TR030 TP01H	0.25	26.63	27.52		27.52	0.000357	0.37	0.67	3.11	0.14
MV50194	MV50194	39.28	Max WS	IC TR200 TP01H	0.18	26.63	27.70		27.70	0.000389	0.20	0.88	3.25	0.12
MV50194	MV50194	39.28	Max WS	IC TR030 TP03H	0.17	26.63	27.32		27.33	0.000454	0.34	0.50	1.96	0.15
MV50194	MV50194	39.28	Max WS	IC TR200 TP03H	0.06	26.63	27.78		27.78	0.000018	0.05	1.15	3.25	0.03
MV50194	MV50194	39.28	Max WS	IC TR200 TP06H	0.08	26.63	27.75		27.75	0.000051	0.08	1.04	3.25	0.05
MV50194	MV50194	39.28	Max WS	IC TR030 TP06H	0.19	26.63	27.65		27.65	0.000118	0.24	0.79	3.25	0.08
MV50194	MV50194	39.28	Max WS	IC TR030 TP09H	0.19	26.63	27.60		27.61	0.000140	0.25	0.75	3.25	0.09
MV50194	MV50194	39.28	Max WS	IC TR200 TP09H	0.14	26.63	27.70		27.70	0.000265	0.16	0.88	3.25	0.10
MV50194	MV50194	39.275												
					Culvert									
MV50194	MV50194	39.27	Max WS	IC TR200 TP18H	0.17	26.51	27.45		27.45	0.000127	0.24	0.73	4.36	0.08
MV50194	MV50194	39.27	Max WS	IC TR030 TP18H	0.17	26.51	27.32		27.32	0.000231	0.28	0.61	3.52	0.11
MV50194	MV50194	39.27	Max WS	IC TR200 TP24H	0.18	26.51	27.39		27.39	0.000180	0.27	0.67	3.81	0.10
MV50194	MV50194	39.27	Max WS	IC TR030 TP24H	0.14	26.51	27.26		27.26	0.000213	0.26	0.56	3.26	0.10
MV50194	MV50194	39.27	Max WS	IC TR200 TP36H	0.17	26.51	27.31		27.31	0.000223	0.28	0.60	3.49	0.11
MV50194	MV50194	39.27	Max WS	IC TR030 TP36H	0.11	26.51	27.19		27.20	0.000179	0.22	0.50	2.69	0.09
MV50194	MV50194	39.27	Max WS	IC TR030 TP01H	0.23	26.51	27.33		27.33	0.000375	0.36	0.62	3.57	0.14
MV50194	MV50194	39.27	Max WS	IC TR200 TP01H	0.17	26.51	27.64		27.64	0.000577	0.19	0.92	5.36	0.15
MV50194	MV50194	39.27	Max WS	IC TR030 TP03H	0.17	26.51	27.23		27.24	0.000356	0.32	0.53	3.00	0.13
MV50194	MV50194	39.27	Max WS	IC TR200 TP03H	0.06	26.51	27.78		27.78	0.000009	0.03	1.69	5.36	0.02
MV50194	MV50194	39.27	Max WS	IC TR200 TP06H	0.08	26.51	27.74		27.74	0.000028	0.06	1.47	5.36	0.03
MV50194	MV50194	39.27	Max WS	IC TR030 TP06H	0.18	26.51	27.54		27.54	0.000100	0.22	0.81	5.27	0.08
MV50194	MV50194	39.27	Max WS	IC TR030 TP09H	0.19	26.51	27.49		27.49	0.000127	0.24	0.77	4.77	0.08
MV50194	MV50194	39.27	Max WS	IC TR200 TP09H	0.13	26.51	27.66		27.66	0.000230	0.13	1.03	5.36	0.09
MV50194	MV50194	39.2691												
					Lat Struct									
MV50194	MV50194	39.269												
					Lat Struct									
MV50194	MV50194	39.268	Max WS	IC TR200 TP18H	0.17	26.52	27.45		27.45	0.000078	0.12	1.39	3.38	0.06
MV50194	MV50194	39.268	Max WS	IC TR030 TP18H	0.17	26.52	27.32		27.32	0.000147	0.17	1.03	2.47	0.08
MV50194	MV50194	39.268	Max WS	IC TR200 TP24H	0.18	26.52	27.39		27.39	0.000103	0.15	1.20	2.67	0.07
MV50194	MV50194	39.268	Max WS	IC TR030 TP24H	0.14	26.52	27.26		27.26	0.000148	0.16	0.89	2.30	0.08
MV50194	MV50194	39.268	Max WS	IC TR200 TP36H	0.17	26.52	27.31		27.31	0.000143	0.17	1.01	2.44	0.08
MV50194	MV50194	39.268	Max WS	IC TR030 TP36H	0.11	26.52	27.19		27.20	0.000138	0.15	0.75	2.11	0.08
MV50194	MV50194	39.268	Max WS	IC TR030 TP01H	0.23	26.52	27.33		27.33	0.000239	0.22	1.05	2.50	0.11
MV50194	MV50194	39.268	Max WS	IC TR200 TP01H	0.26	26.52	27.63		27.63	0.000067	0.12	2.09	4.59	0.06
MV50194	MV50194	39.268	Max WS	IC TR030 TP03H	0.17	26.52	27.23		27.23	0.000261	0.21	0.82	2.21	0.11
MV50194	MV50194	39.268	Max WS	IC TR200 TP03H										

River	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
MV50194	MV50194	39.26	Max WS	IC_TR200_TP18H	0.17	26.54	27.45		27.45	0.000058	0.12	1.43	2.94	0.05
MV50194	MV50194	39.26	Max WS	IC_TR030_TP18H	0.17	26.54	27.31		27.31	0.000125	0.16	1.07	2.50	0.08
MV50194	MV50194	39.26	Max WS	IC_TR200_TP24H	0.18	26.54	27.38		27.38	0.000088	0.14	1.25	2.69	0.07
MV50194	MV50194	39.26	Max WS	IC_TR030_TP24H	0.14	26.54	27.25		27.25	0.000125	0.15	0.93	2.35	0.08
MV50194	MV50194	39.26	Max WS	IC_TR200_TP36H	0.17	26.54	27.30		27.30	0.000122	0.16	1.05	2.48	0.08
MV50194	MV50194	39.26	Max WS	IC_TR030_TP36H	0.11	26.54	27.19		27.19	0.000115	0.14	0.78	2.17	0.07
MV50194	MV50194	39.26	Max WS	IC_TR030_TP01H	0.25	26.54	27.32		27.32	0.000252	0.23	1.08	2.52	0.11
MV50194	MV50194	39.26	Max WS	IC_TR200_TP01H	0.26	26.54	27.63		27.63	0.000051	0.12	2.07	3.64	0.05
MV50194	MV50194	39.26	Max WS	IC_TR030_TP03H	0.17	26.54	27.22		27.22	0.000226	0.20	0.85	2.25	0.10
MV50194	MV50194	39.26	Max WS	IC_TR200_TP03H	0.14	26.54	27.78		27.78	0.000008	0.05	2.65	4.18	0.02
MV50194	MV50194	39.26	Max WS	IC_TR200_TP06H	0.27	26.54	27.73		27.74	0.000037	0.11	2.47	4.03	0.04
MV50194	MV50194	39.26	Max WS	IC_TR030_TP06H	0.28	26.54	27.53		27.53	0.000104	0.16	1.72	3.52	0.07
MV50194	MV50194	39.26	Max WS	IC_TR030_TP09H	0.22	26.54	27.49		27.49	0.000082	0.14	1.56	3.43	0.07
MV50194	MV50194	39.26	Max WS	IC_TR200_TP09H	0.34	26.54	27.65		27.65	0.000084	0.16	2.15	3.72	0.07
MV50194	MV50194	39.257	Max WS	IC_TR200_TP18H	0.21	26.59	27.44		27.45	0.000107	0.21	0.98	3.92	0.08
MV50194	MV50194	39.257	Max WS	IC_TR030_TP18H	0.17	26.59	27.31		27.31	0.000145	0.22	0.79	2.70	0.09
MV50194	MV50194	39.257	Max WS	IC_TR200_TP24H	0.19	26.59	27.38		27.38	0.000125	0.22	0.88	3.29	0.09
MV50194	MV50194	39.257	Max WS	IC_TR030_TP24H	0.14	26.59	27.25		27.25	0.000147	0.20	0.71	2.26	0.09
MV50194	MV50194	39.257	Max WS	IC_TR200_TP36H	0.17	26.59	27.30		27.30	0.000146	0.21	0.78	2.64	0.09
MV50194	MV50194	39.257	Max WS	IC_TR030_TP36H	0.11	26.59	27.19		27.19	0.000135	0.18	0.62	2.04	0.09
MV50194	MV50194	39.257	Max WS	IC_TR030_TP01H	0.30	26.59	27.31		27.32	0.000468	0.39	0.78	2.70	0.17
MV50194	MV50194	39.257	Max WS	IC_TR200_TP01H	0.32	26.59	27.63		27.63	0.000117	0.26	1.23	4.89	0.09
MV50194	MV50194	39.257	Max WS	IC_TR030_TP03H	0.17	26.59	27.22		27.22	0.000264	0.26	0.66	2.12	0.12
MV50194	MV50194	39.257	Max WS	IC_TR200_TP03H	0.16	26.59	27.78		27.78	0.000017	0.11	1.44	4.89	0.03
MV50194	MV50194	39.257	Max WS	IC_TR200_TP06H	0.34	26.59	27.73		27.73	0.000090	0.25	1.38	4.89	0.08
MV50194	MV50194	39.257	Max WS	IC_TR030_TP06H	0.35	26.59	27.53		27.53	0.000202	0.32	1.09	4.88	0.11
MV50194	MV50194	39.257	Max WS	IC_TR030_TP09H	0.28	26.59	27.48		27.49	0.000160	0.27	1.03	4.48	0.10
MV50194	MV50194	39.257	Max WS	IC_TR200_TP09H	0.43	26.59	27.65		27.65	0.000195	0.34	1.26	4.89	0.12
MV50194	MV50194	39.2535												
					Culvert									
MV50194	MV50194	39.253	Max WS	IC_TR200_TP18H	0.21	26.63	27.44		27.44	0.000130	0.23	0.92	2.46	0.09
MV50194	MV50194	39.253	Max WS	IC_TR030_TP18H	0.17	26.63	27.30		27.31	0.000185	0.23	0.73	2.13	0.10
MV50194	MV50194	39.253	Max WS	IC_TR200_TP24H	0.19	26.63	27.37		27.38	0.000154	0.23	0.83	2.28	0.10
MV50194	MV50194	39.253	Max WS	IC_TR030_TP24H	0.14	26.63	27.25		27.25	0.000192	0.22	0.65	2.02	0.10
MV50194	MV50194	39.253	Max WS	IC_TR200_TP36H	0.17	26.63	27.30		27.30	0.000186	0.23	0.72	2.11	0.10
MV50194	MV50194	39.253	Max WS	IC_TR030_TP36H	0.11	26.63	27.18		27.19	0.000183	0.19	0.56	1.88	0.10
MV50194	MV50194	39.253	Max WS	IC_TR030_TP01H	0.25	26.63	27.29		27.30	0.000426	0.35	0.71	2.10	0.16
MV50194	MV50194	39.253	Max WS	IC_TR200_TP01H	0.31	26.63	27.62		27.62	0.000129	0.27	1.17	2.96	0.09
MV50194	MV50194	39.253	Max WS	IC_TR030_TP03H	0.17	26.63	27.21		27.21	0.000359	0.28	0.60	1.94	0.14
MV50194	MV50194	39.253	Max WS	IC_TR200_TP03H	0.07	26.63	27.77		27.77	0.000003	0.05	1.38	4.30	0.02
MV50194	MV50194	39.253	Max WS	IC_TR200_TP06H	0.29	26.63	27.72		27.72	0.000079	0.22	1.31	4.18	0.07
MV50194	MV50194	39.253	Max WS	IC_TR030_TP06H	0.35	26.63	27.51		27.52	0.000249	0.34	1.02	2.67	0.13
MV50194	MV50194	39.253	Max WS	IC_TR030_TP09H	0.28	26.63	27.47		27.48	0.000196	0.29	0.97	2.56	0.11
MV50194	MV50194	39.253	Max WS	IC_TR200_TP09H	0.43	26.63	27.62		27.63	0.000241	0.37	1.18	2.98	0.13
MV50194	MV50194	39.252			Lat Struct									
MV50194	MV50194	39.251			Lat Struct									
MV50194	MV50194	39.25	Max WS	IC_TR200_TP18H	0.21	26.68	27.44		27.44	0.000185	0.19	1.07	2.60	0.10
MV50194	MV50194	39.25	Max WS	IC_TR030_TP18H	0.17	26.68	27.30		27.31	0.000304	0.23	0.75	2.09	0.12
MV50194	MV50194	39.25	Max WS	IC_TR200_TP24H	0.19	26.68	27.37		27.38	0.000240	0.21	0.91	2.35	0.11
MV50194	MV50194	39.25	Max WS	IC_TR030_TP24H	0.14	26.68	27.25		27.25	0.000322	0.22	0.64	1.88	0.12
MV50194	MV50194	39.25	Max WS	IC_TR200_TP36H	0.17	26.68	27.30		27.30	0.000307	0.23	0.74	2.06	0.12
MV50194	MV50194	39.25	Max WS	IC_TR030_TP36H	0.11	26.68	27.18		27.19	0.000313	0.21	0.53	1.70	0.12
MV50194	MV50194	39.25	Max WS	IC_TR030_TP01H	0.25	26.68	27.29		27.30	0.000706	0.34	0.73	2.05	0.18
MV50194	MV50194	39.25	Max WS	IC_TR200_TP01H	0.25	26.68	27.62		27.62	0.000097	0.14	1.73	4.09	0.07
MV50194	MV50194	39.25	Max WS	IC_TR030_TP03H	0.17	26.68	27.21		27.21	0.000612	0.30	0.57	1.76	0.17
MV50194	MV50194	39.25	Max WS	IC_TR200_TP03H	0.01	26.68	27.77		27.77	0.000000	0.00	2.38	4.36	0.00
MV50194	MV50194	39.25	Max WS	IC_TR200_TP06H	0.26	26.68	27.72		27.72	0.000057	0.12	2.16	4.26	0.06
MV50194	MV50194	39.25	Max WS	IC_TR030_TP06H	0.33	26.68	27.52		27.52	0.000385	0.25	1.32	3.92	0.14
MV50194	MV50194	39.25	Max WS	IC_TR030_TP09H	0.27	26.68	27.47		27.48	0.000285	0.24	1.17	2.94	0.12
MV50194	MV50194	39.25	Max WS	IC_TR200_TP09H	0.39	26.68	27.63		27.63	0.000220	0.22	1.77	4.11	0.11
MV50194	MV50194	39.245	Max WS	IC_TR200_TP18H	0.21	26.68	27.44		27.44	0.000178	0.18	1.14	3.06	0.10
MV50194	MV50194	39.245	Max WS	IC_TR030_TP18H	0.17	26.68	27.30		27.30	0.000302	0.22	0.78	2.33	0.12
MV50194	MV50194	39.245	Max WS	IC_TR200_TP24H	0.19	26.68	27.37		27.37	0.000230	0.20	0.95	2.65	0.11
MV50194	MV50194	39.245	Max WS	IC_TR030_TP24H	0.14	26.68	27.24		27.25	0.000342	0.22	0.65	2.12	0.13
MV50194	MV50194	39.245	Max WS	IC_TR200_TP36H	0.17	26.68	27.29		27.30	0.000308	0.22	0.76	2.30	0.12
MV50194	MV50194	39.245	Max WS	IC_TR030_TP36H	0.11	26.68	27.18		27.18	0.000353	0.21	0.52	1.88	0.13
MV50194	MV50194	39.245	Max WS	IC_TR030_TP01H	0.25	26.68	27.29		27.29	0.000723	0.33	0.74	2.27	0.19
MV50194	MV50194	39.245	Max WS	IC_TR200_TP01H	0.20	26.68	27.62		27.62	0.000052	0.11	1.79	3.92	0.05
MV50194	MV50194	39.245	Max WS	IC_TR030_TP03H	0.17	26.68	27.20		27.21	0.000695	0.30	0.56	1.96	0.18
MV50194	MV50194	39.245	Max WS	IC_TR200_TP03H	-0.02	26.68	27.77		27.77	0.000000	-0.01	2.42	4.37	0.00
MV50194	MV50194	39.245	Max WS	IC_TR200_TP06H	0.22	26.68	27.72		27.72	0.000034	0.10	2.20	4.14	0.04
MV50194	MV50194	39.245	Max WS	IC_TR030_TP06H	0.32	26.68	27.51		27.52	0.000276	0.23	1.39	3.69	0.12
MV50194	MV50194	39.245	Max WS	IC_TR030_TP09H	0.27	26.68	27.47		27.47	0.000248	0.22	1.25	3.27	0.11
MV50194	MV50194	39.245	Max WS	IC_TR200_TP09H	0.34	26.68	27.63		27.63	0.000138	0.18	1.83	3.94	0.09
MV50194	MV50194	39.242*	Max WS	IC_TR200_TP18H	0.21	26.67	27.44		27.44	0.000186	0.19	1.12	2.98	0.10
MV50194	MV50194	39.242*	Max WS	IC_TR030_TP18H	0.17	26.67	27.30		27.30	0.000300	0.22	0.77	2.20	0.12
MV50194	MV50194	39.242*	Max WS	IC_TR200_TP24H	0.19	26.67	27.37		27.37	0.000237	0.21	0.93	2.55	0.11
MV50194	MV50194	39.242*	Max WS	IC_TR030_TP24H	0.14	26.67	27.24		27.24	0.000330	0.22	0.65	2.00	0.12
MV50194	MV50194	39.242*	Max WS	IC_TR200_TP36H	0.17	26.67	27.29		27.29	0.000304	0.22	0.75	2.17	0.12
MV50194	MV50194	39.242*	Max WS	IC_TR030_TP36H	0.11	26.67	27.18		27.18	0.000337	0.21	0.52	1.81	0.12
MV50194	MV50194	39.242*	Max WS	IC_TR030_TP01H	0.25	26.67	27.28		27.29	0.000720	0.34	0.73	2.13	0.19
MV50194	MV50194	39.242*	Max WS	IC_TR200_TP01H	0.19	26.67	27.62		27.62	0.000049	0.11	1.74	3.80	0.05
MV50194	MV50194	39.24												



River	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
MV50194	MV50194	39.235												
					Bridge									
MV50194	MV50194	39.23	Max WS	IC TR200 TP18H	0.21	26.67	27.43		27.43	0.000204	0.19	1.08	2.92	0.10
MV50194	MV50194	39.23	Max WS	IC TR030 TP18H	0.17	26.67	27.30		27.30	0.000318	0.23	0.75	2.13	0.12
MV50194	MV50194	39.23	Max WS	IC TR200 TP24H	0.19	26.67	27.37		27.37	0.000256	0.21	0.91	2.49	0.11
MV50194	MV50194	39.23	Max WS	IC TR030 TP24H	0.14	26.67	27.24		27.24	0.000345	0.23	0.63	1.93	0.13
MV50194	MV50194	39.23	Max WS	IC TR200 TP36H	0.17	26.67	27.29		27.29	0.000323	0.23	0.73	2.10	0.12
MV50194	MV50194	39.23	Max WS	IC TR030 TP36H	0.11	26.67	27.18		27.18	0.000342	0.21	0.52	1.73	0.12
MV50194	MV50194	39.23	Max WS	IC TR030 TP01H	0.25	26.67	27.27		27.28	0.000776	0.35	0.70	2.06	0.19
MV50194	MV50194	39.23	Max WS	IC TR200 TP01H	0.29	26.67	27.61		27.61	0.000135	0.16	1.79	4.58	0.08
MV50194	MV50194	39.23	Max WS	IC TR030 TP03H	0.17	26.67	27.19		27.20	0.000707	0.31	0.55	1.77	0.18
MV50194	MV50194	39.23	Max WS	IC TR200 TP03H	0.04	26.67	27.77		27.77	0.000001	0.01	2.52	4.58	0.01
MV50194	MV50194	39.23	Max WS	IC TR200 TP06H	0.14	26.67	27.72		27.72	0.000016	0.06	2.28	4.58	0.03
MV50194	MV50194	39.23	Max WS	IC TR030 TP06H	0.32	26.67	27.50		27.50	0.000335	0.25	1.29	3.52	0.13
MV50194	MV50194	39.23	Max WS	IC TR030 TP09H	0.27	26.67	27.46		27.46	0.000291	0.23	1.17	3.12	0.12
MV50194	MV50194	39.23	Max WS	IC TR200 TP09H	0.27	26.67	27.62		27.62	0.000103	0.14	1.84	4.58	0.07
MV50194	MV50194	39.227			Lat Struct									
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP18H	0.21	26.63	27.43		27.43	0.000184	0.18	1.13	3.06	0.10
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP18H	0.17	26.63	27.29		27.30	0.000306	0.22	0.77	2.28	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP24H	0.19	26.63	27.37		27.37	0.000238	0.20	0.95	2.65	0.11
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP24H	0.14	26.63	27.24		27.24	0.000323	0.22	0.65	1.99	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP36H	0.17	26.63	27.29		27.29	0.000310	0.22	0.76	2.24	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP36H	0.11	26.63	27.17		27.18	0.000308	0.20	0.54	1.73	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP01H	0.25	26.63	27.27		27.28	0.000747	0.34	0.73	2.16	0.19
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP01H	0.24	26.63	27.61		27.61	0.000086	0.13	1.87	4.77	0.07
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP03H	0.17	26.63	27.19		27.19	0.000646	0.30	0.56	1.78	0.17
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP03H	0.00	26.63	27.77		27.77	0.000000	0.00	2.64	4.77	0.00
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP06H	0.12	26.63	27.72		27.72	0.000010	0.05	2.39	4.77	0.02
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP06H	0.31	26.63	27.50		27.50	0.000278	0.23	1.35	3.58	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR030 TP09H	0.27	26.63	27.46		27.46	0.000266	0.22	1.23	3.35	0.12
MV50194	MV50194	39.2269*	Max WS	IC TR200 TP09H	0.24	26.63	27.62		27.62	0.000078	0.13	1.93	4.77	0.06
MV50194	MV50194	39.226			Lat Struct									
MV50194	MV50194	39.223*	Max WS	IC TR200 TP18H	0.21	26.58	27.43		27.43	0.000171	0.17	1.19	3.26	0.09
MV50194	MV50194	39.223*	Max WS	IC TR030 TP18H	0.17	26.58	27.29		27.30	0.000256	0.21	0.82	2.27	0.11
MV50194	MV50194	39.223*	Max WS	IC TR200 TP24H	0.19	26.58	27.37		27.37	0.000209	0.19	1.00	2.68	0.10
MV50194	MV50194	39.223*	Max WS	IC TR030 TP24H	0.14	26.58	27.24		27.24	0.000271	0.20	0.70	2.04	0.11
MV50194	MV50194	39.223*	Max WS	IC TR200 TP36H	0.17	26.58	27.29		27.29	0.000258	0.21	0.81	2.24	0.11
MV50194	MV50194	39.223*	Max WS	IC TR030 TP36H	0.11	26.58	27.17		27.18	0.000254	0.19	0.58	1.79	0.11
MV50194	MV50194	39.223*	Max WS	IC TR030 TP01H	0.25	26.58	27.27		27.28	0.000625	0.32	0.77	2.18	0.17
MV50194	MV50194	39.223*	Max WS	IC TR200 TP01H	0.31	26.58	27.61		27.61	0.000127	0.16	1.95	4.97	0.08
MV50194	MV50194	39.223*	Max WS	IC TR030 TP03H	0.17	26.58	27.19		27.19	0.000542	0.28	0.61	1.85	0.16
MV50194	MV50194	39.223*	Max WS	IC TR200 TP03H	0.04	26.58	27.77		27.77	0.000001	0.01	2.76	4.97	0.01
MV50194	MV50194	39.223*	Max WS	IC TR200 TP06H	0.08	26.58	27.72		27.72	0.000004	0.03	2.50	4.97	0.02
MV50194	MV50194	39.223*	Max WS	IC TR030 TP06H	0.31	26.58	27.50		27.50	0.000255	0.22	1.43	3.87	0.11
MV50194	MV50194	39.223*	Max WS	IC TR030 TP09H	0.27	26.58	27.46		27.46	0.000252	0.21	1.29	3.64	0.11
MV50194	MV50194	39.223*	Max WS	IC TR200 TP09H	0.19	26.58	27.62		27.62	0.000042	0.09	2.03	4.97	0.05
MV50194	MV50194	39.22	Max WS	IC TR200 TP18H	0.21	26.54	27.43		27.43	0.000137	0.24	0.88	3.45	0.09
MV50194	MV50194	39.22	Max WS	IC TR030 TP18H	0.17	26.54	27.29		27.30	0.000182	0.24	0.72	2.24	0.10
MV50194	MV50194	39.22	Max WS	IC TR200 TP24H	0.19	26.54	27.36		27.37	0.000159	0.24	0.80	2.78	0.09
MV50194	MV50194	39.22	Max WS	IC TR030 TP24H	0.14	26.54	27.24		27.24	0.000179	0.22	0.65	1.92	0.10
MV50194	MV50194	39.22	Max WS	IC TR200 TP36H	0.17	26.54	27.29		27.29	0.000182	0.24	0.71	2.18	0.10
MV50194	MV50194	39.22	Max WS	IC TR030 TP36H	0.11	26.54	27.17		27.17	0.000159	0.19	0.57	1.73	0.09
MV50194	MV50194	39.22	Max WS	IC TR030 TP01H	0.24	26.54	27.27		27.27	0.000433	0.36	0.69	2.05	0.15
MV50194	MV50194	39.22	Max WS	IC TR200 TP01H	0.33	26.54	27.61		27.61	0.000171	0.31	1.09	5.16	0.10
MV50194	MV50194	39.22	Max WS	IC TR030 TP03H	0.17	26.54	27.19		27.19	0.000345	0.29	0.59	1.76	0.13
MV50194	MV50194	39.22	Max WS	IC TR200 TP03H	0.04	26.54	27.77		27.77	0.000002	0.03	1.29	5.16	0.01
MV50194	MV50194	39.22	Max WS	IC TR200 TP06H	0.05	26.54	27.72		27.72	0.000003	0.04	1.23	5.16	0.01
MV50194	MV50194	39.22	Max WS	IC TR030 TP06H	0.31	26.54	27.49		27.50	0.000229	0.32	0.95	4.14	0.12
MV50194	MV50194	39.22	Max WS	IC TR030 TP09H	0.27	26.54	27.46		27.46	0.000204	0.30	0.91	3.87	0.11
MV50194	MV50194	39.22	Max WS	IC TR200 TP09H	0.15	26.54	27.62		27.62	0.000033	0.14	1.11	5.16	0.05
MV50194	MV50194	39.215			Culvert									
MV50194	MV50194	39.21	Max WS	IC TR200 TP18H	0.21	26.40	27.41		27.41	0.000154	0.22	0.94	4.44	0.08
MV50194	MV50194	39.21	Max WS	IC TR030 TP18H	0.17	26.40	27.28		27.28	0.000193	0.22	0.78	2.83	0.09
MV50194	MV50194	39.21	Max WS	IC TR200 TP24H	0.19	26.40	27.35		27.35	0.000175	0.22	0.86	3.59	0.08
MV50194	MV50194	39.21	Max WS	IC TR030 TP24H	0.14	26.40	27.23		27.23	0.000181	0.20	0.71	2.05	0.08
MV50194	MV50194	39.21	Max WS	IC TR200 TP36H	0.17	26.40	27.27		27.27	0.000193	0.22	0.77	2.74	0.09
MV50194	MV50194	39.21	Max WS	IC TR030 TP36H	0.11	26.40	27.17		27.17	0.000149	0.17	0.64	1.64	0.07
MV50194	MV50194	39.21	Max WS	IC TR030 TP01H	0.22	26.40	27.24		27.25	0.000401	0.30	0.74	2.20	0.12
MV50194	MV50194	39.21	Max WS	IC TR200 TP01H	0.26	26.40	27.56		27.57	0.000135	0.23	1.12	5.15	0.08
MV50194	MV50194	39.21	Max WS	IC TR030 TP03H	0.17	26.40	27.17		27.18	0.000343	0.26	0.65	1.67	0.11
MV50194	MV50194	39.21	Max WS	IC TR200 TP03H	0.04	26.40	27.77		27.77	0.000005	0.03	1.61	5.15	0.01
MV50194	MV50194	39.21	Max WS	IC TR200 TP06H	0.05	26.40	27.72		27.72	0.000015	0.04	1.33	5.15	0.02
MV50194	MV50194	39.21	Max WS	IC TR030 TP06H	0.31	26.40	27.45		27.46	0.000283	0.31	0.99	4.68	0.11
MV50194	MV50194	39.21	Max WS	IC TR030 TP09H	0.27	26.40	27.43		27.43	0.000242	0.28	0.96	4.53	0.10
MV50194	MV50194	39.21	Max WS	IC TR200 TP09H	0.15	26.40	27.61		27.61	0.000038	0.13	1.18	5.15	0.04
MV50194	MV50194	39.207												

River	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
MV50194	MV50194	39.203*	Max WS	IC TR200 TP03H	0.11	26.49	27.77		27.77	0.000006	0.04	2.76	4.32	0.02
MV50194	MV50194	39.203*	Max WS	IC TR200 TP06H	0.09	26.49	27.72		27.72	0.000005	0.04	2.54	4.32	0.02
MV50194	MV50194	39.203*	Max WS	IC TR030 TP06H	0.30	26.49	27.45		27.46	0.000316	0.22	1.40	4.26	0.12
MV50194	MV50194	39.203*	Max WS	IC TR030 TP09H	0.26	26.49	27.43		27.43	0.000297	0.20	1.29	4.12	0.12
MV50194	MV50194	39.203*	Max WS	IC TR200 TP09H	0.16	26.49	27.61		27.61	0.000025	0.08	2.09	4.32	0.03
MV50194	MV50194	39.20	Max WS	IC TR200 TP18H	0.20	26.54	27.41		27.41	0.000204	0.24	0.86	3.80	0.09
MV50194	MV50194	39.20	Max WS	IC TR030 TP18H	0.17	26.54	27.27		27.28	0.000271	0.24	0.70	1.77	0.10
MV50194	MV50194	39.20	Max WS	IC TR200 TP24H	0.19	26.54	27.34		27.35	0.000249	0.25	0.78	2.53	0.10
MV50194	MV50194	39.20	Max WS	IC TR030 TP24H	0.14	26.54	27.22		27.22	0.000249	0.22	0.64	1.32	0.10
MV50194	MV50194	39.20	Max WS	IC TR200 TP36H	0.17	26.54	27.22		27.27	0.000270	0.24	0.69	1.70	0.10
MV50194	MV50194	39.20	Max WS	IC TR030 TP36H	0.11	26.54	27.16		27.17	0.000200	0.19	0.57	1.27	0.09
MV50194	MV50194	39.20	Max WS	IC TR030 TP01H	0.22	26.54	27.24		27.24	0.000550	0.34	0.65	1.41	0.14
MV50194	MV50194	39.20	Max WS	IC TR200 TP01H	0.35	26.54	27.56		27.56	0.000736	0.29	1.20	3.90	0.17
MV50194	MV50194	39.20	Max WS	IC TR030 TP03H	0.17	26.54	27.17		27.17	0.000471	0.29	0.57	1.27	0.13
MV50194	MV50194	39.20	Max WS	IC TR200 TP03H	0.17	26.54	27.77		27.77	0.000034	0.09	2.02	3.90	0.04
MV50194	MV50194	39.20	Max WS	IC TR200 TP06H	0.13	26.54	27.72		27.72	0.000028	0.07	1.81	3.90	0.03
MV50194	MV50194	39.20	Max WS	IC TR030 TP06H	0.31	26.54	27.45		27.46	0.000393	0.34	0.91	3.90	0.13
MV50194	MV50194	39.20	Max WS	IC TR030 TP09H	0.26	26.54	27.42		27.43	0.000323	0.30	0.88	3.87	0.11
MV50194	MV50194	39.20	Max WS	IC TR200 TP09H	0.16	26.54	27.61		27.61	0.000095	0.12	1.41	3.90	0.06
MV50194	MV50194	39.195												
MV50194	MV50194	39.19		Culvert										
MV50194	MV50194	39.19	Max WS	IC TR200 TP18H	0.20	26.54	27.39		27.40	0.000193	0.26	0.78	2.85	0.10
MV50194	MV50194	39.19	Max WS	IC TR030 TP18H	0.17	26.54	27.26		27.27	0.000284	0.27	0.63	2.12	0.12
MV50194	MV50194	39.19	Max WS	IC TR200 TP24H	0.19	26.54	27.33		27.33	0.000241	0.27	0.71	2.50	0.11
MV50194	MV50194	39.19	Max WS	IC TR030 TP24H	0.14	26.54	27.21		27.22	0.000278	0.25	0.57	1.94	0.12
MV50194	MV50194	39.19	Max WS	IC TR200 TP36H	0.17	26.54	27.26		27.26	0.000284	0.27	0.62	2.09	0.12
MV50194	MV50194	39.19	Max WS	IC TR030 TP36H	0.11	26.54	27.16		27.16	0.000244	0.22	0.50	1.74	0.11
MV50194	MV50194	39.19	Max WS	IC TR030 TP01H	0.21	26.54	27.22		27.22	0.000589	0.37	0.57	1.95	0.17
MV50194	MV50194	39.19	Max WS	IC TR200 TP01H	0.35	26.54	27.53		27.54	0.000978	0.34	1.03	3.69	0.21
MV50194	MV50194	39.19	Max WS	IC TR030 TP03H	0.17	26.54	27.15		27.16	0.000606	0.34	0.50	1.73	0.17
MV50194	MV50194	39.19	Max WS	IC TR200 TP03H	0.17	26.54	27.77		27.77	0.000033	0.09	2.01	4.23	0.04
MV50194	MV50194	39.19	Max WS	IC TR200 TP06H	0.13	26.54	27.72		27.72	0.000028	0.07	1.79	4.23	0.04
MV50194	MV50194	39.19	Max WS	IC TR030 TP06H	0.31	26.54	27.41		27.42	0.000405	0.38	0.81	2.96	0.15
MV50194	MV50194	39.19	Max WS	IC TR030 TP09H	0.26	26.54	27.40		27.40	0.000320	0.33	0.79	2.87	0.13
MV50194	MV50194	39.19	Max WS	IC TR200 TP09H	0.16	26.54	27.61		27.61	0.000105	0.12	1.34	4.23	0.07
MV50194	MV50194	39.187		Lat Struct										
MV50194	MV50194	39.186		Lat Struct										
MV50194	MV50194	39.185	Max WS	IC TR200 TP18H	0.20	26.51	27.39		27.40	0.000119	0.16	1.26	2.81	0.08
MV50194	MV50194	39.185	Max WS	IC TR030 TP18H	0.17	26.51	27.26		27.26	0.000197	0.19	0.91	2.42	0.10
MV50194	MV50194	39.185	Max WS	IC TR200 TP24H	0.19	26.51	27.33		27.33	0.000157	0.18	1.08	2.61	0.09
MV50194	MV50194	39.185	Max WS	IC TR030 TP24H	0.14	26.51	27.21		27.22	0.000202	0.18	0.80	2.29	0.10
MV50194	MV50194	39.185	Max WS	IC TR200 TP36H	0.17	26.51	27.26		27.26	0.000199	0.19	0.90	2.41	0.10
MV50194	MV50194	39.185	Max WS	IC TR030 TP36H	0.11	26.51	27.16		27.16	0.000181	0.16	0.68	2.08	0.09
MV50194	MV50194	39.185	Max WS	IC TR030 TP01H	0.21	26.51	27.22		27.22	0.000425	0.26	0.81	2.30	0.14
MV50194	MV50194	39.185	Max WS	IC TR200 TP01H	0.44	26.51	27.53		27.53	0.000261	0.27	1.66	3.12	0.12
MV50194	MV50194	39.185	Max WS	IC TR030 TP03H	0.17	26.51	27.15		27.16	0.000450	0.25	0.67	2.07	0.14
MV50194	MV50194	39.185	Max WS	IC TR200 TP03H	0.50	26.51	27.76		27.77	0.000115	0.21	2.39	3.16	0.08
MV50194	MV50194	39.185	Max WS	IC TR200 TP06H	0.32	26.51	27.71		27.71	0.000059	0.15	2.24	3.16	0.06
MV50194	MV50194	39.185	Max WS	IC TR030 TP06H	0.31	26.51	27.41		27.42	0.000243	0.24	1.31	2.86	0.11
MV50194	MV50194	39.185	Max WS	IC TR030 TP09H	0.26	26.51	27.40		27.40	0.000196	0.21	1.27	2.82	0.10
MV50194	MV50194	39.185	Max WS	IC TR200 TP09H	0.25	26.51	27.61		27.61	0.000055	0.13	1.90	3.16	0.05
MV50194	MV50194	39.18	Max WS	IC TR200 TP18H	0.20	26.48	27.39		27.39	0.000093	0.14	1.48	3.61	0.07
MV50194	MV50194	39.18	Max WS	IC TR030 TP18H	0.17	26.48	27.26		27.26	0.000174	0.16	1.03	3.06	0.09
MV50194	MV50194	39.18	Max WS	IC TR200 TP24H	0.19	26.48	27.33		27.33	0.000133	0.15	1.26	3.44	0.08
MV50194	MV50194	39.18	Max WS	IC TR030 TP24H	0.14	26.48	27.21		27.21	0.000168	0.16	0.89	2.64	0.09
MV50194	MV50194	39.18	Max WS	IC TR200 TP36H	0.17	26.48	27.26		27.26	0.000174	0.16	1.01	3.00	0.09
MV50194	MV50194	39.18	Max WS	IC TR030 TP36H	0.11	26.48	27.16		27.16	0.000138	0.14	0.76	2.24	0.08
MV50194	MV50194	39.18	Max WS	IC TR030 TP01H	0.21	26.48	27.22		27.22	0.000356	0.23	0.90	2.67	0.13
MV50194	MV50194	39.18	Max WS	IC TR200 TP01H	0.50	26.48	27.53		27.53	0.000249	0.25	1.99	3.96	0.11
MV50194	MV50194	39.18	Max WS	IC TR030 TP03H	0.17	26.48	27.15		27.15	0.000344	0.23	0.74	2.21	0.12
MV50194	MV50194	39.18	Max WS	IC TR200 TP03H	0.89	26.48	27.76		27.76	0.000255	0.31	2.90	4.02	0.12
MV50194	MV50194	39.18	Max WS	IC TR200 TP06H	0.55	26.48	27.71		27.71	0.000117	0.20	2.72	4.02	0.08
MV50194	MV50194	39.18	Max WS	IC TR030 TP06H	0.31	26.48	27.41		27.42	0.000188	0.20	1.55	3.66	0.10
MV50194	MV50194	39.18	Max WS	IC TR030 TP09H	0.26	26.48	27.40		27.40	0.000154	0.18	1.49	3.62	0.09
MV50194	MV50194	39.18	Max WS	IC TR200 TP09H	0.32	26.48	27.61		27.61	0.000065	0.14	2.30	4.02	0.06
MV50194	MV50194	39.179	Max WS	IC TR200 TP18H	0.21	26.48	27.39		27.39	0.000069	0.13	1.58	3.29	0.06
MV50194	MV50194	39.179	Max WS	IC TR030 TP18H	0.17	26.48	27.26		27.26	0.000091	0.14	1.19	2.70	0.07
MV50194	MV50194	39.179	Max WS	IC TR200 TP24H	0.19	26.48	27.33		27.33	0.000078	0.14	1.38	2.90	0.06
MV50194	MV50194	39.179	Max WS	IC TR030 TP24H	0.14	26.48	27.21		27.21	0.000087	0.13	1.06	2.55	0.07
MV50194	MV50194	39.179	Max WS	IC TR200 TP36H	0.17	26.48	27.26		27.26	0.000091	0.14	1.18	2.68	0.07
MV50194	MV50194	39.179	Max WS	IC TR030 TP36H	0.11	26.48	27.16		27.16	0.000073	0.12	0.93	2.39	0.06
MV50194	MV50194	39.179	Max WS	IC TR030 TP01H	0.21	26.48	27.22		27.22	0.000185	0.20	1.07	2.56	0.10
MV50194	MV50194	39.179	Max WS	IC TR200 TP01H	0.59	26.48	27.53		27.53	0.000322	0.29	2.06	4.30	0.13
MV50194	MV50194	39.179	Max WS	IC TR030 TP03H	0.17	26.48	27.15		27.15	0.000182	0.18	0.91	2.37	0.09
MV50194	MV50194	39.179	Max WS	IC TR200 TP03H	1.08	26.48	27.75		27.76	0.000336	0.35	3.13	4.76	0.14
MV50194	MV50194	39.179	Max WS	IC TR200 TP06H	0.67	26.48	27.71		27.71	0.000157	0.23	2.93	4.76	0.09
MV50194	MV50194	39.179	Max WS	IC TR030 TP06H	0.26	26.48	27.42		27.42	0.000096	0.16	1.65	3.46	0.07
MV50194	MV50194	39.179	Max WS	IC TR030 TP09H	0.22	26.48	27.40		27.40	0.000076	0.14	1.60	3.33	0.06
MV50194	MV50194	39.179	Max WS	IC TR200 TP09H	0.38	26.48	27.61		27.61	0.000091	0.16	2.44	4.76	0.07
MV50194	MV50194	39.171	Max WS	IC TR200 TP18H	0.21	26.50	27.39	26.68	27.39	0.000134	0.26	0.80	0.90	0.09
MV50194	MV50194	39.171	Max WS	IC TR030 TP18H	0.17	26.50	27.26	26.65	27.26	0.000132	0.25	0.68	0.90	0.09
MV50194	MV50194	39.171	Max WS	IC TR200 TP24H	0.19	26.50	27.33	26.67	27.33	0.000137	0.26	0.75	0.90	0.09
MV501														

HEC-RAS Profile: Max WS (Continued)

River	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
MV50194	MV50194	39.1705	Max WS	IC TR200 TP01H	0.49	26.35	27.35		27.38	0.002769	0.67	0.73	0.80	0.22
MV50194	MV50194	39.1705	Max WS	IC TR030 TP03H	0.17	26.35	27.12		27.13	0.000647	0.31	0.55	0.80	0.12
MV50194	MV50194	39.1705	Max WS	IC TR200 TP03H	0.87	26.35	27.55		27.60	0.005498	0.97	0.89	0.80	0.29
MV50194	MV50194	39.1705	Max WS	IC TR200 TP06H	0.66	26.35	27.63		27.65	0.002752	0.70	0.95	0.80	0.20
MV50194	MV50194	39.1705	Max WS	IC TR030 TP06H	0.26	26.35	27.40		27.40	0.000683	0.34	0.77	0.80	0.11
MV50194	MV50194	39.1705	Max WS	IC TR030 TP09H	0.22	26.35	27.38		27.39	0.000521	0.29	0.76	0.80	0.10
MV50194	MV50194	39.1705	Max WS	IC TR200 TP09H	0.38	26.35	27.57		27.58	0.001010	0.42	0.91	0.80	0.13
MV50194	MV50194	39.170	Max WS	IC TR200 TP18H	0.21	26.33	27.38		27.38	0.000016	0.07	2.96	5.26	0.03
MV50194	MV50194	39.170	Max WS	IC TR030 TP18H	0.17	26.33	27.24		27.24	0.000017	0.07	2.32	4.05	0.03
MV50194	MV50194	39.170	Max WS	IC TR200 TP24H	0.19	26.33	27.32		27.32	0.000017	0.07	2.64	4.68	0.03
MV50194	MV50194	39.170	Max WS	IC TR030 TP24H	0.14	26.33	27.20		27.20	0.000016	0.07	2.13	3.92	0.03
MV50194	MV50194	39.170	Max WS	IC TR200 TP36H	0.17	26.33	27.24		27.24	0.000017	0.07	2.30	4.04	0.03
MV50194	MV50194	39.170	Max WS	IC TR030 TP36H	0.11	26.33	27.15		27.15	0.000012	0.06	1.94	3.79	0.03
MV50194	MV50194	39.170	Max WS	IC TR030 TP01H	0.20	26.33	27.18		27.18	0.000033	0.10	2.08	3.89	0.04
MV50194	MV50194	39.170	Max WS	IC TR200 TP01H	0.53	26.33	27.37		27.37	0.000111	0.18	2.88	5.12	0.08
MV50194	MV50194	39.170	Max WS	IC TR030 TP03H	0.17	26.33	27.13		27.13	0.000031	0.09	1.86	3.73	0.04
MV50194	MV50194	39.170	Max WS	IC TR200 TP03H	0.91	26.33	27.58		27.58	0.000125	0.23	4.02	5.47	0.08
MV50194	MV50194	39.170	Max WS	IC TR200 TP06H	0.66	26.33	27.64		27.64	0.000051	0.15	4.38	5.47	0.05
MV50194	MV50194	39.170	Max WS	IC TR030 TP06H	0.26	26.33	27.40		27.40	0.000023	0.08	3.05	5.41	0.04
MV50194	MV50194	39.170	Max WS	IC TR030 TP09H	0.22	26.33	27.39		27.39	0.000018	0.07	2.98	5.29	0.03
MV50194	MV50194	39.170	Max WS	IC TR200 TP09H	0.38	26.33	27.58		27.58	0.000022	0.09	4.03	5.47	0.04
MV50194	MV50194	39.167												
MV50194	MV50194	39.166												
MV50194	MV50194	39.165												
MV50194	MV50194	39.165	Max WS	IC TR200 TP18H	-0.08	26.31	27.38		27.38	0.000010	-0.06	1.28	2.38	0.02
MV50194	MV50194	39.165	Max WS	IC TR030 TP18H	-0.01	26.31	27.24		27.24	0.000001	-0.01	1.10	2.20	0.00
MV50194	MV50194	39.165	Max WS	IC TR200 TP24H	-0.05	26.31	27.32		27.32	0.000004	-0.04	1.19	2.30	0.01
MV50194	MV50194	39.165	Max WS	IC TR030 TP24H	-0.01	26.31	27.20		27.20	0.000000	-0.01	1.04	2.14	0.00
MV50194	MV50194	39.165	Max WS	IC TR200 TP36H	-0.01	26.31	27.24		27.24	0.000000	-0.01	1.09	2.20	0.00
MV50194	MV50194	39.165	Max WS	IC TR030 TP36H	-0.01	26.31	27.15		27.15	0.000001	-0.01	0.97	2.08	0.01
MV50194	MV50194	39.165	Max WS	IC TR030 TP01H	0.06	26.31	27.19		27.19	0.000010	0.06	1.02	2.13	0.02
MV50194	MV50194	39.165	Max WS	IC TR200 TP01H	0.25	26.31	27.37		27.37	0.000106	0.20	1.26	2.36	0.07
MV50194	MV50194	39.165	Max WS	IC TR030 TP03H	0.06	26.31	27.13		27.13	0.000012	0.06	0.95	2.05	0.02
MV50194	MV50194	39.165	Max WS	IC TR200 TP03H	0.42	26.31	27.58		27.58	0.000171	0.27	1.53	3.63	0.08
MV50194	MV50194	39.165	Max WS	IC TR200 TP06H	0.09	26.31	27.65		27.65	0.000007	0.06	1.62	3.63	0.02
MV50194	MV50194	39.165	Max WS	IC TR030 TP06H	-0.04	26.31	27.40		27.40	0.000003	-0.03	1.30	2.40	0.01
MV50194	MV50194	39.165	Max WS	IC TR030 TP09H	-0.07	26.31	27.39		27.39	0.000007	-0.05	1.28	2.38	0.02
MV50194	MV50194	39.165	Max WS	IC TR200 TP09H	-0.10	26.31	27.58		27.58	0.000010	-0.07	1.54	3.63	0.02
MV50194	MV50194	39.163												
MV50194	MV50194	39.162												
MV50194	MV50194	39.162	Max WS	IC TR200 TP18H	-0.08	26.07	27.39		27.39	0.000003	-0.05	1.62	3.77	0.01
MV50194	MV50194	39.162	Max WS	IC TR030 TP18H	-0.02	26.07	27.25		27.25	0.000000	-0.01	1.43	3.77	0.00
MV50194	MV50194	39.162	Max WS	IC TR200 TP24H	-0.05	26.07	27.32		27.32	0.000001	-0.03	1.53	3.77	0.01
MV50194	MV50194	39.162	Max WS	IC TR030 TP24H	-0.01	26.07	27.20		27.20	0.000000	-0.01	1.36	3.77	0.00
MV50194	MV50194	39.162	Max WS	IC TR200 TP36H	-0.01	26.07	27.24		27.24	0.000000	-0.01	1.42	3.77	0.00
MV50194	MV50194	39.162	Max WS	IC TR030 TP36H	-0.01	26.07	27.15		27.15	0.000000	-0.01	1.30	3.71	0.00
MV50194	MV50194	39.162	Max WS	IC TR030 TP01H	0.01	26.07	27.17		27.17	0.000000	0.00	1.32	3.74	0.00
MV50194	MV50194	39.162	Max WS	IC TR200 TP01H	0.23	26.07	27.36		27.36	0.000028	0.15	1.59	3.77	0.04
MV50194	MV50194	39.162	Max WS	IC TR030 TP03H	0.06	26.07	27.10		27.10	0.000004	0.05	1.23	3.62	0.02
MV50194	MV50194	39.162	Max WS	IC TR200 TP03H	0.37	26.07	27.56		27.56	0.000042	0.20	1.87	3.77	0.06
MV50194	MV50194	39.162	Max WS	IC TR200 TP06H	0.09	26.07	27.64		27.64	0.000002	0.05	1.98	3.77	0.01
MV50194	MV50194	39.162	Max WS	IC TR030 TP06H	-0.04	26.07	27.40		27.40	0.000001	-0.03	1.64	3.77	0.01
MV50194	MV50194	39.162	Max WS	IC TR030 TP09H	-0.07	26.07	27.39		27.39	0.000002	-0.04	1.63	3.77	0.01
MV50194	MV50194	39.162	Max WS	IC TR200 TP09H	-0.10	26.07	27.58		27.58	0.000003	-0.06	1.90	3.77	0.02
MV50194	MV50194	39.161												
MV50194	MV50194	39.161	Max WS	IC TR200 TP18H	-0.08	26.07	27.39		27.39	0.000002	-0.03	3.02	3.77	0.01
MV50194	MV50194	39.161	Max WS	IC TR030 TP18H	-0.02	26.07	27.25		27.25	0.000000	-0.01	2.50	3.77	0.00
MV50194	MV50194	39.161	Max WS	IC TR200 TP24H	-0.05	26.07	27.32		27.32	0.000001	-0.02	2.77	3.77	0.01
MV50194	MV50194	39.161	Max WS	IC TR030 TP24H	-0.01	26.07	27.20		27.20	0.000000	0.00	2.32	3.77	0.00
MV50194	MV50194	39.161	Max WS	IC TR200 TP36H	-0.01	26.07	27.24		27.24	0.000000	-0.01	2.47	3.77	0.00
MV50194	MV50194	39.161	Max WS	IC TR030 TP36H	-0.01	26.07	27.15		27.15	0.000000	-0.01	2.15	3.71	0.00
MV50194	MV50194	39.161	Max WS	IC TR030 TP01H	0.01	26.07	27.17		27.17	0.000000	0.00	2.22	3.74	0.00
MV50194	MV50194	39.161	Max WS	IC TR200 TP01H	0.23	26.07	27.36		27.36	0.000016	0.08	2.93	3.77	0.03
MV50194	MV50194	39.161	Max WS	IC TR030 TP03H	0.06	26.07	27.10		27.10	0.000003	0.03	1.97	3.62	0.01
MV50194	MV50194	39.161	Max WS	IC TR200 TP03H	0.38	26.07	27.56		27.56	0.000021	0.10	3.69	3.77	0.03
MV50194	MV50194	39.161	Max WS	IC TR200 TP06H	0.09	26.07	27.64		27.64	0.000001	0.02	3.99	3.77	0.01
MV50194	MV50194	39.161	Max WS	IC TR030 TP06H	-0.04	26.07	27.40		27.40	0.000000	-0.01	3.08	3.77	0.00
MV50194	MV50194	39.161	Max WS	IC TR030 TP09H	-0.07	26.07	27.39		27.39	0.000001	-0.02	3.03	3.77	0.01
MV50194	MV50194	39.161	Max WS	IC TR200 TP09H	-0.10	26.07	27.58		27.58	0.000002	-0.03	3.77	3.77	0.01
MV50194	MV50194	39.161												
MV35666	MV35666	56.25												
MV35666	MV35666	56.25	Max WS	IC TR200 TP18H	0.71	26.72	27.64		27.65	0.001253	0.52	1.37	3.15	0.25
MV35666	MV35666	56.25	Max WS	IC TR030 TP18H	0.47	26.72	27.49		27.50	0.001470	0.51	0.94	2.48	0.26
MV35666	MV35666	56.25	Max WS	IC TR200 TP24H	0.59	26.72	27.56		27.58	0.001383	0.52	1.14	2.84	0.26
MV35666	MV35666	56.25	Max WS	IC TR030 TP24H	0.39	26.72	27.43		27.44	0.001513	0.49	0.80	2.25	0.26
MV35666	MV35666	56.25	Max WS	IC TR200 TP36H	0.45	26.72	27.47		27.49	0.001463	0.50	0.90	2.41	0.26
MV35666	MV35666	56.25	Max WS	IC TR030 TP36H	0.30	26.72	27.35		27.36	0.001618	0.47	0.63	1.99	0.27
MV35666	MV35666	56.25	Max WS	IC TR030 TP01H	0.94	26.72	28.17		28.18	0.000215	0.31	3.04	3.15	0.10
MV35666	MV35666	56.25	Max WS	IC TR200 TP01H	1.31	26.72	28.29		28.30	0.000301	0.38	3.42	3.15	0.12
MV35666	MV35666	56.25	Max WS	IC TR030 TP03H	0.47	26.72	27.46		27.48	0.001739	0.54	0.88	2.37	0.28
MV35666	MV35666	56.25	Max WS	IC TR200 TP03H	1.78	26.72	28.24		28.26	0.000635	0.55	3.27	3.15	0.17
MV35666	MV35666	56.25	Max WS	IC TR200 TP06H	1.95	26.72	28.14		28.16	0.001019	0.66	2.94	3.15	0.22
MV35666	MV35666	56.25	Max WS	IC TR030 TP06H	1.33	26.72	27.93		27.95	0.000977	0.58	2.28	3.15	0.22
MV35666	MV35666	56.25	Max WS	IC TR030 TP09H	0.99	26.72	27.76		27.77	0.00119				

River	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
MV35666	MV35666	56.245	Max WS	IC_TR030_TP24H	0.39	26.63	27.36		27.38	0.001292	0.47	0.82	2.10	0.24
MV35666	MV35666	56.245	Max WS	IC_TR200_TP36H	0.45	26.63	27.41		27.42	0.001286	0.49	0.93	2.26	0.24
MV35666	MV35666	56.245	Max WS	IC_TR030_TP36H	0.30	26.63	27.29		27.30	0.001247	0.44	0.67	1.85	0.23
MV35666	MV35666	56.245	Max WS	IC_TR030_TP01H	1.98	26.63	28.12		28.14	0.000730	0.56	3.54	4.37	0.20
MV35666	MV35666	56.245	Max WS	IC_TR200_TP01H	2.67	26.63	28.23		28.25	0.000925	0.67	4.01	4.37	0.22
MV35666	MV35666	56.245	Max WS	IC_TR030_TP03H	0.47	26.63	27.38		27.40	0.001682	0.55	0.87	2.17	0.28
MV35666	MV35666	56.245	Max WS	IC_TR200_TP03H	2.56	26.63	28.18		28.20	0.000984	0.67	3.81	4.37	0.23
MV35666	MV35666	56.245	Max WS	IC_TR200_TP06H	2.09	26.63	28.10		28.11	0.000889	0.61	3.44	4.37	0.22
MV35666	MV35666	56.245	Max WS	IC_TR030_TP06H	1.31	26.63	27.89		27.90	0.000874	0.52	2.54	4.37	0.22
MV35666	MV35666	56.245	Max WS	IC_TR030_TP09H	0.98	26.63	27.70		27.72	0.001232	0.55	1.77	3.61	0.25
MV35666	MV35666	56.245	Max WS	IC_TR200_TP09H	1.51	26.63	27.96		27.98	0.000806	0.53	2.86	4.37	0.21
MV35666	MV35666	56.243	Max WS	IC_TR200_TP18H	0.71	26.59	27.56		27.57	0.001045	0.52	1.36	2.42	0.22
MV35666	MV35666	56.243	Max WS	IC_TR030_TP18H	0.47	26.59	27.40		27.41	0.001097	0.48	0.99	2.14	0.22
MV35666	MV35666	56.243	Max WS	IC_TR200_TP24H	0.59	26.59	27.48		27.49	0.001079	0.50	1.17	2.28	0.22
MV35666	MV35666	56.243	Max WS	IC_TR030_TP24H	0.39	26.59	27.34		27.35	0.001068	0.45	0.87	2.03	0.22
MV35666	MV35666	56.243	Max WS	IC_TR200_TP36H	0.45	26.59	27.39		27.40	0.001071	0.47	0.97	2.12	0.22
MV35666	MV35666	56.243	Max WS	IC_TR030_TP36H	0.30	26.59	27.26		27.27	0.001021	0.41	0.72	1.89	0.21
MV35666	MV35666	56.243	Max WS	IC_TR030_TP01H	2.31	26.59	28.07		28.10	0.001600	0.77	2.99	4.14	0.29
MV35666	MV35666	56.243	Max WS	IC_TR200_TP01H	3.31	26.59	28.14		28.19	0.002746	1.00	3.31	4.77	0.38
MV35666	MV35666	56.243	Max WS	IC_TR030_TP03H	0.47	26.59	27.35		27.36	0.001473	0.53	0.89	2.05	0.26
MV35666	MV35666	56.243	Max WS	IC_TR200_TP03H	2.97	26.59	28.11		28.16	0.002370	0.94	3.17	4.46	0.35
MV35666	MV35666	56.243	Max WS	IC_TR200_TP06H	2.29	26.59	28.05		28.08	0.001693	0.79	2.90	4.08	0.30
MV35666	MV35666	56.243	Max WS	IC_TR030_TP06H	1.36	26.59	27.86		27.88	0.001145	0.62	2.20	3.28	0.24
MV35666	MV35666	56.243	Max WS	IC_TR030_TP09H	0.98	26.59	27.68		27.69	0.001179	0.59	1.65	2.65	0.24
MV35666	MV35666	56.243	Max WS	IC_TR200_TP09H	1.51	26.59	27.94		27.96	0.001125	0.61	2.46	3.73	0.24
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP18H	0.71	26.56	27.55		27.56	0.000948	0.50	1.42	2.54	0.21
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP18H	0.47	26.56	27.39		27.40	0.000961	0.46	1.04	2.19	0.21
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP24H	0.59	26.56	27.47		27.48	0.000956	0.48	1.22	2.34	0.21
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP24H	0.39	26.56	27.33		27.34	0.000917	0.43	0.92	2.07	0.20
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP36H	0.45	26.56	27.37		27.38	0.000936	0.45	1.01	2.16	0.21
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP36H	0.30	26.56	27.25		27.26	0.000851	0.39	0.77	1.92	0.19
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP01H	2.13	26.56	28.06		28.08	0.001094	0.63	3.40	5.11	0.25
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP01H	2.46	26.56	28.16		28.18	0.000967	0.63	3.89	5.11	0.23
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP03H	0.47	26.56	27.33		27.34	0.001314	0.51	0.93	2.08	0.24
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP03H	2.16	26.56	28.03		28.14	0.000850	0.58	3.73	5.11	0.22
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP06H	1.85	26.56	28.15		28.07	0.000872	0.55	3.34	5.11	0.22
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP06H	1.33	26.56	27.85		27.86	0.000996	0.55	2.41	4.11	0.23
MV35666	MV35666	56.241*	Max WS	IC_TR030_TP09H	0.98	26.56	27.66		27.68	0.001111	0.56	1.73	2.97	0.24
MV35666	MV35666	56.241*	Max WS	IC_TR200_TP09H	1.47	26.56	27.93		27.94	0.000878	0.53	2.74	4.46	0.22
MV35666	MV35666	56.24	Max WS	IC_TR200_TP18H	0.71	26.54	27.52		27.55	0.001123	0.75	0.94	2.48	0.26
MV35666	MV35666	56.24	Max WS	IC_TR030_TP18H	0.47	26.54	27.37		27.39	0.000959	0.61	0.78	2.17	0.23
MV35666	MV35666	56.24	Max WS	IC_TR200_TP24H	0.59	26.54	27.44		27.47	0.001052	0.69	0.86	2.32	0.25
MV35666	MV35666	56.24	Max WS	IC_TR030_TP24H	0.39	26.54	27.31		27.33	0.000848	0.54	0.72	2.06	0.22
MV35666	MV35666	56.24	Max WS	IC_TR200_TP36H	0.45	26.54	27.36		27.37	0.000916	0.59	0.76	2.15	0.23
MV35666	MV35666	56.24	Max WS	IC_TR030_TP36H	0.30	26.54	27.24		27.25	0.000717	0.46	0.64	1.92	0.19
MV35666	MV35666	56.24	Max WS	IC_TR030_TP01H	1.80	26.54	28.01		28.08	0.012189	1.20	1.50	5.30	0.72
MV35666	MV35666	56.24	Max WS	IC_TR200_TP01H	1.80	26.54	28.14		28.17	0.003578	0.81	2.21	5.30	0.40
MV35666	MV35666	56.24	Max WS	IC_TR030_TP03H	0.47	26.54	27.31		27.33	0.001266	0.66	0.71	2.06	0.26
MV35666	MV35666	56.24	Max WS	IC_TR200_TP03H	1.62	26.54	28.10		28.14	0.003879	0.80	2.02	5.30	0.42
MV35666	MV35666	56.24	Max WS	IC_TR200_TP06H	1.52	26.54	28.01		28.06	0.007995	0.98	1.55	5.30	0.58
MV35666	MV35666	56.24	Max WS	IC_TR030_TP06H	1.21	26.54	27.79		27.85	0.001539	1.06	1.24	4.31	0.32
MV35666	MV35666	56.24	Max WS	IC_TR030_TP09H	0.98	26.54	27.62		27.66	0.001488	0.93	1.05	3.11	0.30
MV35666	MV35666	56.24	Max WS	IC_TR200_TP09H	1.37	26.54	27.88		27.93	0.001300	1.02	1.34	4.79	0.30
MV35666	MV35666	56.235												
MV35666	MV35666	56.23												
MV35666	MV35666	56.23	Max WS	IC_TR200_TP18H	0.71	26.53	27.45		27.49	0.002109	0.86	0.83	1.75	0.32
MV35666	MV35666	56.23	Max WS	IC_TR030_TP18H	0.47	26.53	27.33		27.35	0.001725	0.69	0.69	1.64	0.28
MV35666	MV35666	56.23	Max WS	IC_TR200_TP24H	0.59	26.53	27.39		27.42	0.001931	0.78	0.76	1.70	0.30
MV35666	MV35666	56.23	Max WS	IC_TR030_TP24H	0.39	26.53	27.28		27.30	0.001502	0.61	0.64	1.60	0.26
MV35666	MV35666	56.23	Max WS	IC_TR200_TP36H	0.45	26.53	27.32		27.34	0.001635	0.66	0.68	1.64	0.27
MV35666	MV35666	56.23	Max WS	IC_TR030_TP36H	0.30	26.53	27.22		27.24	0.001256	0.52	0.57	1.52	0.23
MV35666	MV35666	56.23	Max WS	IC_TR030_TP01H	1.68	26.53	27.68		27.80	0.004905	1.56	1.08	1.95	0.50
MV35666	MV35666	56.23	Max WS	IC_TR200_TP01H	1.68	26.53	27.85		27.94	0.002917	1.34	1.26	2.10	0.40
MV35666	MV35666	56.23	Max WS	IC_TR030_TP03H	0.47	26.53	27.26		27.29	0.002517	0.77	0.62	1.57	0.33
MV35666	MV35666	56.23	Max WS	IC_TR200_TP03H	1.54	26.53	27.85		27.93	0.002375	1.21	1.27	2.10	0.36
MV35666	MV35666	56.23	Max WS	IC_TR200_TP06H	1.44	26.53	27.75		27.83	0.002853	1.25	1.15	2.01	0.39
MV35666	MV35666	56.23	Max WS	IC_TR030_TP06H	1.30	26.53	27.56		27.66	0.004515	1.37	0.95	1.85	0.47
MV35666	MV35666	56.23	Max WS	IC_TR030_TP09H	0.98	26.53	27.49		27.56	0.003375	1.12	0.87	1.79	0.40
MV35666	MV35666	56.23	Max WS	IC_TR200_TP09H	1.30	26.53	27.66		27.74	0.003187	1.24	1.05	1.93	0.40
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP18H	0.71	26.51	27.46		27.48	0.001666	0.62	1.14	2.11	0.27
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP18H	0.47	26.51	27.33		27.34	0.001511	0.54	0.88	1.91	0.25
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP24H	0.59	26.51	27.39		27.41	0.001609	0.58	1.01	2.02	0.26
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP24H	0.39	26.51	27.28		27.29	0.001353	0.49	0.79	1.83	0.24
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP36H	0.45	26.51	27.32		27.33	0.001438	0.52	0.87	1.90	0.25
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP36H	0.30	26.51	27.22		27.23	0.001136	0.43	0.69	1.67	0.22
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP01H	1.70	26.51	27.71		27.76	0.003160	0.99	1.71	2.45	0.38
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP01H	1.70	26.51	27.87		27.91	0.001751	0.80	2.14	2.66	0.28
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP03H	0.47	26.51	27.26		27.28	0.002305	0.63	0.75	1.77	0.31
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP03H	1.54	26.51	27.88		27.90	0.001433	0.72	2.14	2.67	0.26
MV35666	MV35666	56.229*	Max WS	IC_TR200_TP06H	1.45	26.51	27.77		27.80	0.001814	0.77	1.87	2.53	0.29
MV35666	MV35666	56.229*	Max WS	IC_TR030_TP06H	1.31	26.51	27.58		27.62	0.003193	0.93	1.41	2.27	0.38
MV35666	MV35666	56.229*	Max WS											

River	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
MV35666	MV35666	56.22	Max WS	IC_TR030_TP24H	0.39	26.31	27.25		27.26	0.000456	0.32	1.21	2.47	0.15
MV35666	MV35666	56.22	Max WS	IC_TR200_TP36H	0.45	26.31	27.29		27.30	0.000505	0.35	1.30	2.57	0.16
MV35666	MV35666	56.22	Max WS	IC_TR030_TP36H	0.30	26.31	27.20		27.20	0.000362	0.28	1.07	2.33	0.13
MV35666	MV35666	56.22	Max WS	IC_TR030_TP01H	1.58	26.31	27.64		27.67	0.001335	0.66	2.38	3.80	0.27
MV35666	MV35666	56.22	Max WS	IC_TR200_TP01H	1.48	26.31	27.85		27.86	0.000524	0.46	3.25	4.32	0.17
MV35666	MV35666	56.22	Max WS	IC_TR030_TP03H	0.47	26.31	27.21		27.22	0.000689	0.43	1.10	2.35	0.20
MV35666	MV35666	56.22	Max WS	IC_TR200_TP03H	1.31	26.31	27.86		27.87	0.000391	0.40	3.29	4.32	0.15
MV35666	MV35666	56.22	Max WS	IC_TR200_TP06H	1.18	26.31	27.75		27.76	0.000515	0.42	2.80	4.27	0.17
MV35666	MV35666	56.22	Max WS	IC_TR030_TP06H	1.29	26.31	27.51		27.53	0.001457	0.67	1.91	3.08	0.27
MV35666	MV35666	56.22	Max WS	IC_TR030_TP09H	0.91	26.31	27.45		27.46	0.000941	0.52	1.73	2.94	0.22
MV35666	MV35666	56.22	Max WS	IC_TR200_TP09H	1.24	26.31	27.63		27.65	0.000864	0.53	2.34	3.74	0.21
MV35666	MV35666	56.217	Max WS	IC_TR200_TP18H	0.71	26.18	27.42		27.42	0.000326	0.31	2.27	4.01	0.13
MV35666	MV35666	56.217	Max WS	IC_TR030_TP18H	0.47	26.18	27.29		27.30	0.000236	0.26	1.82	3.22	0.11
MV35666	MV35666	56.217	Max WS	IC_TR200_TP24H	0.59	26.18	27.35		27.36	0.000291	0.29	2.03	3.66	0.12
MV35666	MV35666	56.217	Max WS	IC_TR030_TP24H	0.39	26.18	27.25		27.25	0.000190	0.23	1.69	3.03	0.10
MV35666	MV35666	56.217	Max WS	IC_TR200_TP36H	0.45	26.18	27.29		27.29	0.000219	0.25	1.80	3.18	0.11
MV35666	MV35666	56.217	Max WS	IC_TR030_TP36H	0.30	26.18	27.19		27.20	0.000145	0.19	1.52	2.89	0.09
MV35666	MV35666	56.217	Max WS	IC_TR030_TP01H	1.36	26.18	27.64		27.65	0.000486	0.41	3.28	5.14	0.16
MV35666	MV35666	56.217	Max WS	IC_TR200_TP01H	1.45	26.18	27.85		27.85	0.000240	0.33	4.35	5.14	0.12
MV35666	MV35666	56.217	Max WS	IC_TR030_TP03H	0.47	26.18	27.20		27.20	0.000359	0.31	1.54	2.90	0.13
MV35666	MV35666	56.217	Max WS	IC_TR200_TP03H	1.22	26.18	27.86		27.86	0.000163	0.28	4.41	5.14	0.10
MV35666	MV35666	56.217	Max WS	IC_TR200_TP06H	1.04	26.18	27.75		27.75	0.000178	0.27	3.83	5.14	0.10
MV35666	MV35666	56.217	Max WS	IC_TR030_TP06H	1.24	26.18	27.49		27.51	0.000695	0.48	2.60	4.28	0.20
MV35666	MV35666	56.217	Max WS	IC_TR030_TP09H	0.89	26.18	27.44		27.44	0.000465	0.38	2.36	4.13	0.16
MV35666	MV35666	56.217	Max WS	IC_TR200_TP09H	1.05	26.18	27.63		27.63	0.000310	0.33	3.23	5.14	0.13
MV35666	MV35666	56.213	Max WS	IC_TR200_TP18H	0.70	26.04	27.41		27.42	0.000159	0.25	2.80	3.82	0.09
MV35666	MV35666	56.213	Max WS	IC_TR030_TP18H	0.47	26.04	27.29		27.29	0.000116	0.20	2.34	3.53	0.08
MV35666	MV35666	56.213	Max WS	IC_TR200_TP24H	0.59	26.04	27.35		27.35	0.000140	0.23	2.57	3.68	0.09
MV35666	MV35666	56.213	Max WS	IC_TR030_TP24H	0.39	26.04	27.25		27.25	0.000093	0.18	2.20	3.43	0.07
MV35666	MV35666	56.213	Max WS	IC_TR200_TP36H	0.45	26.04	27.28		27.29	0.000108	0.19	2.32	3.52	0.08
MV35666	MV35666	56.213	Max WS	IC_TR030_TP36H	0.30	26.04	27.19		27.19	0.000068	0.15	2.01	3.30	0.06
MV35666	MV35666	56.213	Max WS	IC_TR030_TP01H	1.04	26.04	27.64		27.64	0.000178	0.27	3.80	5.01	0.10
MV35666	MV35666	56.213	Max WS	IC_TR200_TP01H	1.47	26.04	27.84		27.85	0.000177	0.31	4.81	5.01	0.10
MV35666	MV35666	56.213	Max WS	IC_TR030_TP03H	0.47	26.04	27.20		27.20	0.000171	0.23	2.02	3.31	0.10
MV35666	MV35666	56.213	Max WS	IC_TR200_TP03H	1.14	26.04	27.86		27.86	0.000102	0.23	4.88	5.01	0.08
MV35666	MV35666	56.213	Max WS	IC_TR200_TP06H	0.88	26.04	27.75		27.75	0.000087	0.20	4.32	5.01	0.07
MV35666	MV35666	56.213	Max WS	IC_TR030_TP06H	1.15	26.04	27.49		27.50	0.000335	0.37	3.11	4.20	0.14
MV35666	MV35666	56.213	Max WS	IC_TR030_TP09H	0.86	26.04	27.43		27.44	0.000226	0.30	2.87	3.94	0.11
MV35666	MV35666	56.213	Max WS	IC_TR200_TP09H	0.79	26.04	27.63		27.63	0.000107	0.21	3.74	5.01	0.08
MV35666	MV35666	56.21	Max WS	IC_TR200_TP18H	0.70	25.90	27.41		27.41	0.000101	0.22	3.26	3.67	0.07
MV35666	MV35666	56.21	Max WS	IC_TR030_TP18H	0.47	25.90	27.29		27.29	0.000067	0.17	2.81	3.50	0.06
MV35666	MV35666	56.21	Max WS	IC_TR200_TP24H	0.59	25.90	27.35		27.35	0.000086	0.19	3.03	3.59	0.07
MV35666	MV35666	56.21	Max WS	IC_TR030_TP24H	0.39	25.90	27.25		27.25	0.000053	0.15	2.67	3.44	0.05
MV35666	MV35666	56.21	Max WS	IC_TR200_TP36H	0.45	25.90	27.28		27.28	0.000063	0.16	2.79	3.49	0.06
MV35666	MV35666	56.21	Max WS	IC_TR030_TP36H	0.30	25.90	27.19		27.19	0.000038	0.12	2.48	3.37	0.04
MV35666	MV35666	56.21	Max WS	IC_TR030_TP01H	0.92	25.90	27.64		27.64	0.000100	0.22	4.14	4.47	0.07
MV35666	MV35666	56.21	Max WS	IC_TR200_TP01H	1.29	25.90	27.84		27.85	0.000111	0.26	5.05	4.48	0.08
MV35666	MV35666	56.21	Max WS	IC_TR030_TP03H	0.47	25.90	27.20		27.20	0.000095	0.19	2.49	3.37	0.07
MV35666	MV35666	56.21	Max WS	IC_TR200_TP03H	0.97	25.90	27.86		27.86	0.000060	0.19	5.11	4.48	0.06
MV35666	MV35666	56.21	Max WS	IC_TR200_TP06H	0.70	25.90	27.75		27.75	0.000042	0.15	4.61	4.48	0.05
MV35666	MV35666	56.21	Max WS	IC_TR030_TP06H	1.14	25.90	27.48		27.49	0.000212	0.32	3.53	3.78	0.11
MV35666	MV35666	56.21	Max WS	IC_TR030_TP09H	0.86	25.90	27.43		27.43	0.000142	0.26	3.32	3.70	0.09
MV35666	MV35666	56.21	Max WS	IC_TR200_TP09H	0.70	25.90	27.63		27.63	0.000054	0.17	4.09	3.98	0.05
MV35666	MV35666	56.205	Max WS	IC_TR200_TP18H	0.70	25.90	27.41		27.41	0.000225	0.30	2.35	2.40	0.10
MV35666	MV35666	56.205	Max WS	IC_TR030_TP18H	0.47	25.90	27.29		27.29	0.000140	0.23	2.07	2.25	0.08
MV35666	MV35666	56.205	Max WS	IC_TR200_TP24H	0.59	25.90	27.35		27.35	0.000186	0.27	2.21	2.30	0.09
MV35666	MV35666	56.205	Max WS	IC_TR030_TP24H	0.39	25.90	27.25		27.25	0.000109	0.20	1.98	2.21	0.07
MV35666	MV35666	56.205	Max WS	IC_TR200_TP36H	0.45	25.90	27.28		27.28	0.000132	0.22	2.06	2.25	0.07
MV35666	MV35666	56.205	Max WS	IC_TR030_TP36H	0.30	25.90	27.19		27.19	0.000074	0.16	1.86	2.16	0.05
MV35666	MV35666	56.205	Max WS	IC_TR030_TP01H	0.88	25.90	27.64		27.64	0.000227	0.29	3.04	3.68	0.10
MV35666	MV35666	56.205	Max WS	IC_TR200_TP01H	1.23	25.90	27.84		27.84	0.000234	0.32	3.80	3.78	0.10
MV35666	MV35666	56.205	Max WS	IC_TR030_TP03H	0.47	25.90	27.19		27.19	0.000188	0.25	1.86	2.17	0.09
MV35666	MV35666	56.205	Max WS	IC_TR200_TP03H	0.92	25.90	27.86		27.86	0.000127	0.24	3.87	3.78	0.08
MV35666	MV35666	56.205	Max WS	IC_TR200_TP06H	0.66	25.90	27.74		27.75	0.000090	0.19	3.45	3.78	0.06
MV35666	MV35666	56.205	Max WS	IC_TR030_TP06H	1.13	25.90	27.47		27.48	0.000512	0.45	2.52	2.62	0.15
MV35666	MV35666	56.205	Max WS	IC_TR030_TP09H	0.85	25.90	27.42		27.43	0.000324	0.36	2.39	2.44	0.12
MV35666	MV35666	56.205	Max WS	IC_TR200_TP09H	0.66	25.90	27.63		27.63	0.000132	0.22	3.01	3.66	0.08
MV35666	MV35666	56.2	Max WS	IC_TR200_TP18H	0.68	25.90	27.41		27.41	0.000050	0.14	4.73	6.86	0.06
MV35666	MV35666	56.2	Max WS	IC_TR030_TP18H	0.46	25.90	27.29		27.29	0.000040	0.12	3.91	6.58	0.05
MV35666	MV35666	56.2	Max WS	IC_TR200_TP24H	0.58	25.90	27.35		27.35	0.000047	0.13	4.31	6.72	0.05
MV35666	MV35666	56.2	Max WS	IC_TR030_TP24H	0.38	25.90	27.24		27.25	0.000034	0.11	3.65	6.49	0.04
MV35666	MV35666	56.2	Max WS	IC_TR200_TP36H	0.44	25.90	27.28		27.28	0.000038	0.11	3.88	6.57	0.05
MV35666	MV35666	56.2	Max WS	IC_TR030_TP36H	0.29	25.90	27.19		27.19	0.000027	0.09	3.29	6.39	0.04
MV35666	MV35666	56.2	Max WS	IC_TR030_TP01H	1.01	25.90	27.64		27.64	0.000049	0.16	6.37	7.72	0.06
MV35666	MV35666	56.2	Max WS	IC_TR200_TP01H	1.25	25.90	27.84		27.84	0.000039	0.16	8.03	8.28	0.05
MV35666	MV35666	56.2	Max WS	IC_TR030_TP03H	0.47	25.90	27.19		27.19	0.000069	0.14	3.29	6.39	0.06
MV35666	MV35666	56.2	Max WS	IC_TR200_TP03H	0.91	25.90	27.86		27.86	0.000020	0.11	8.17	8.28	0.04
MV35666	MV35666	56.2	Max WS	IC_TR200_TP06H	0.73	25.90	27.74		27.74	0.000018	0.10	7.24	8.28	0.03
MV35666	MV35666	56.2	Max WS	IC_TR030_TP06H	1.11	25.90	27.47		27.48	0.000100	0.21	5.20	7.01	0.08
MV35666	MV35666	56.2	Max WS	IC_TR030_TP09H	0.83	25.90	27.42		27.42	0.000070	0.17	4.84	6.90	0.07
MV35666	MV35666	56.2	Max WS	IC_TR200_TP09H	0.69	25.90	27.63	</						

River	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
MV35666	MV35666	56.19	Max WS	IC TR200 TP01H	1.64	25.87	27.84		27.84	0.000020	0.13	12.81	10.96	0.04
MV35666	MV35666	56.19	Max WS	IC TR030 TP03H	0.39	25.87	27.19		27.19	0.000010	0.07	5.95	8.90	0.03
MV35666	MV35666	56.19	Max WS	IC TR200 TP03H	0.93	25.87	27.86		27.86	0.000006	0.07	13.00	10.96	0.02
MV35666	MV35666	56.19	Max WS	IC TR200 TP06H	0.70	25.87	27.74		27.74	0.000005	0.06	11.78	10.96	0.02
MV35666	MV35666	56.19	Max WS	IC TR030 TP06H	0.88	25.87	27.47		27.47	0.000019	0.10	8.82	10.96	0.04
MV35666	MV35666	56.19	Max WS	IC TR030 TP09H	0.66	25.87	27.42		27.42	0.000013	0.08	8.26	10.96	0.03
MV35666	MV35666	56.19	Max WS	IC TR200 TP09H	0.60	25.87	27.63		27.63	0.000005	0.06	10.49	10.96	0.02
MV35666	MV35666	56.189	Max WS	IC TR200 TP18H	0.56	25.86	27.41		27.41	0.000024	0.10	5.45	7.82	0.04
MV35666	MV35666	56.189	Max WS	IC TR030 TP18H	0.47	25.86	27.28		27.28	0.000022	0.10	4.63	6.29	0.04
MV35666	MV35666	56.189	Max WS	IC TR200 TP24H	0.55	25.86	27.34		27.35	0.000024	0.11	5.01	6.58	0.04
MV35666	MV35666	56.189	Max WS	IC TR030 TP24H	0.39	25.86	27.24		27.24	0.000017	0.09	4.38	6.10	0.03
MV35666	MV35666	56.189	Max WS	IC TR200 TP36H	0.45	25.86	27.28		27.28	0.000021	0.10	4.59	6.27	0.04
MV35666	MV35666	56.189	Max WS	IC TR030 TP36H	0.30	25.86	27.19		27.19	0.000012	0.07	4.05	5.84	0.03
MV35666	MV35666	56.189	Max WS	IC TR030 TP01H	2.56	25.86	27.62		27.63	0.000214	0.36	7.15	7.91	0.12
MV35666	MV35666	56.189	Max WS	IC TR200 TP01H	2.91	25.86	27.63		27.83	0.000148	0.33	8.78	7.91	0.10
MV35666	MV35666	56.189	Max WS	IC TR030 TP03H	0.43	25.86	27.19		27.19	0.000026	0.11	4.05	5.84	0.04
MV35666	MV35666	56.189	Max WS	IC TR200 TP03H	1.91	25.86	27.85		27.85	0.000060	0.21	8.96	7.91	0.06
MV35666	MV35666	56.189	Max WS	IC TR200 TP06H	1.16	25.86	27.74		27.74	0.000030	0.14	8.10	7.91	0.05
MV35666	MV35666	56.189	Max WS	IC TR030 TP06H	0.92	25.86	27.47		27.47	0.000049	0.15	5.97	7.91	0.06
MV35666	MV35666	56.189	Max WS	IC TR030 TP09H	0.68	25.86	27.42		27.42	0.000032	0.12	5.58	7.85	0.05
MV35666	MV35666	56.189	Max WS	IC TR200 TP09H	0.73	25.86	27.63		27.63	0.000017	0.10	7.18	7.91	0.03
MV35666	MV35666	56.188		Lat Struct										
MV35666	MV35666	56.187	Max WS	IC TR200 TP18H	0.55	25.85	27.41		27.41	0.000014	0.08	6.54	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR030 TP18H	0.45	25.85	27.28		27.28	0.000015	0.08	5.56	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR200 TP24H	0.53	25.85	27.34		27.34	0.000016	0.09	6.05	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR030 TP24H	0.38	25.85	27.24		27.24	0.000013	0.07	5.24	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR200 TP36H	0.44	25.85	27.28		27.28	0.000015	0.08	5.52	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR030 TP36H	0.29	25.85	27.19		27.19	0.000010	0.06	4.81	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR030 TP01H	2.39	25.85	27.62		27.62	0.000126	0.29	8.24	7.98	0.09
MV35666	MV35666	56.187	Max WS	IC TR200 TP01H	2.89	25.85	27.83		27.83	0.000107	0.29	9.88	7.98	0.08
MV35666	MV35666	56.187	Max WS	IC TR030 TP03H	0.43	25.85	27.19		27.19	0.000021	0.09	4.80	7.98	0.04
MV35666	MV35666	56.187	Max WS	IC TR200 TP03H	1.95	25.85	27.85		27.85	0.000046	0.19	10.08	7.98	0.05
MV35666	MV35666	56.187	Max WS	IC TR200 TP06H	1.19	25.85	27.74		27.74	0.000022	0.13	9.21	7.98	0.04
MV35666	MV35666	56.187	Max WS	IC TR030 TP06H	0.90	25.85	27.47		27.47	0.000029	0.13	7.06	7.98	0.04
MV35666	MV35666	56.187	Max WS	IC TR030 TP09H	0.66	25.85	27.42		27.42	0.000019	0.10	6.67	7.98	0.03
MV35666	MV35666	56.187	Max WS	IC TR200 TP09H	0.73	25.85	27.63		27.63	0.000012	0.09	8.29	7.98	0.03
MV35666	MV35666	56.186	Max WS	IC TR200 TP18H	0.57	25.84	27.41		27.41	0.000015	0.10	6.03	7.51	0.03
MV35666	MV35666	56.186	Max WS	IC TR030 TP18H	0.46	25.84	27.28		27.28	0.000016	0.09	5.12	7.46	0.03
MV35666	MV35666	56.186	Max WS	IC TR200 TP24H	0.53	25.84	27.34		27.34	0.000017	0.10	5.57	7.51	0.03
MV35666	MV35666	56.186	Max WS	IC TR030 TP24H	0.39	25.84	27.24		27.24	0.000014	0.08	4.82	7.38	0.03
MV35666	MV35666	56.186	Max WS	IC TR200 TP36H	0.45	25.84	27.28		27.28	0.000016	0.09	5.08	7.45	0.03
MV35666	MV35666	56.186	Max WS	IC TR030 TP36H	0.29	25.84	27.19		27.19	0.000010	0.07	4.42	7.27	0.03
MV35666	MV35666	56.186	Max WS	IC TR030 TP01H	2.33	25.84	27.62		27.62	0.000128	0.32	7.62	7.51	0.10
MV35666	MV35666	56.186	Max WS	IC TR200 TP01H	3.01	25.84	27.82		27.83	0.000123	0.34	9.16	7.51	0.10
MV35666	MV35666	56.186	Max WS	IC TR030 TP03H	0.43	25.84	27.19		27.19	0.000021	0.10	4.42	7.26	0.04
MV35666	MV35666	56.186	Max WS	IC TR200 TP03H	2.07	25.84	27.85		27.85	0.000055	0.23	9.36	7.51	0.06
MV35666	MV35666	56.186	Max WS	IC TR200 TP06H	1.27	25.84	27.74		27.74	0.000027	0.15	8.55	7.51	0.04
MV35666	MV35666	56.186	Max WS	IC TR030 TP06H	0.96	25.84	27.47		27.47	0.000034	0.15	6.52	7.51	0.05
MV35666	MV35666	56.186	Max WS	IC TR030 TP09H	0.69	25.84	27.42		27.42	0.000021	0.11	6.15	7.51	0.04
MV35666	MV35666	56.186	Max WS	IC TR200 TP09H	0.77	25.84	27.62		27.63	0.000014	0.10	7.68	7.51	0.03
MV35666	MV35666	56.184	Max WS	IC TR200 TP18H	0.61	25.83	27.40		27.40	0.000030	0.12	5.22	7.17	0.04
MV35666	MV35666	56.184	Max WS	IC TR030 TP18H	0.47	25.83	27.28		27.28	0.000024	0.11	4.43	5.95	0.04
MV35666	MV35666	56.184	Max WS	IC TR200 TP24H	0.55	25.83	27.34		27.34	0.000029	0.12	4.81	6.49	0.04
MV35666	MV35666	56.184	Max WS	IC TR030 TP24H	0.39	25.83	27.24		27.24	0.000019	0.09	4.20	5.79	0.03
MV35666	MV35666	56.184	Max WS	IC TR200 TP36H	0.45	25.83	27.28		27.28	0.000023	0.10	4.40	5.91	0.04
MV35666	MV35666	56.184	Max WS	IC TR030 TP36H	0.29	25.83	27.19		27.19	0.000014	0.08	3.89	5.69	0.03
MV35666	MV35666	56.184	Max WS	IC TR030 TP01H	2.74	25.83	27.60		27.61	0.000300	0.40	6.79	7.88	0.14
MV35666	MV35666	56.184	Max WS	IC TR200 TP01H	3.75	25.83	27.81		27.82	0.000294	0.45	8.39	7.88	0.14
MV35666	MV35666	56.184	Max WS	IC TR030 TP03H	0.43	25.83	27.19		27.19	0.000029	0.11	3.88	5.69	0.04
MV35666	MV35666	56.184	Max WS	IC TR200 TP03H	2.58	25.83	27.84		27.85	0.000127	0.30	8.65	7.88	0.09
MV35666	MV35666	56.184	Max WS	IC TR200 TP06H	1.54	25.83	27.74		27.74	0.000061	0.20	7.84	7.88	0.06
MV35666	MV35666	56.184	Max WS	IC TR030 TP06H	1.09	25.83	27.47		27.47	0.000081	0.19	5.71	7.88	0.07
MV35666	MV35666	56.184	Max WS	IC TR030 TP09H	0.75	25.83	27.42		27.42	0.000044	0.14	5.34	7.41	0.05
MV35666	MV35666	56.184	Max WS	IC TR200 TP09H	0.91	25.83	27.62		27.62	0.000031	0.13	6.94	7.88	0.04
MV35666	MV35666	56.183	Max WS	IC TR200 TP18H	0.61	25.82	27.40		27.40	0.000065	0.17	3.61	4.64	0.06
MV35666	MV35666	56.183	Max WS	IC TR030 TP18H	0.47	25.82	27.28		27.28	0.000055	0.15	3.08	4.06	0.06
MV35666	MV35666	56.183	Max WS	IC TR200 TP24H	0.55	25.82	27.34		27.34	0.000065	0.17	3.33	4.34	0.06
MV35666	MV35666	56.183	Max WS	IC TR030 TP24H	0.39	25.82	27.24		27.24	0.000045	0.13	2.92	3.96	0.05
MV35666	MV35666	56.183	Max WS	IC TR200 TP36H	0.45	25.82	27.28		27.28	0.000053	0.15	3.06	4.05	0.05
MV35666	MV35666	56.183	Max WS	IC TR030 TP36H	0.29	25.82	27.19		27.19	0.000031	0.11	2.71	3.83	0.04
MV35666	MV35666	56.183	Max WS	IC TR030 TP01H	2.76	25.82	27.58		27.60	0.000782	0.61	4.51	5.52	0.22
MV35666	MV35666	56.183	Max WS	IC TR200 TP01H	3.90	25.82	27.78		27.80	0.000833	0.69	5.63	5.85	0.23
MV35666	MV35666	56.183	Max WS	IC TR030 TP03H	0.43	25.82	27.18		27.19	0.000067	0.16	2.70	3.82	0.06
MV35666	MV35666	56.183	Max WS	IC TR200 TP03H	2.63	25.82	27.83		27.84	0.000323	0.44	5.94	5.93	0.14
MV35666	MV35666	56.183	Max WS	IC TR200 TP06H	1.55	25.82	27.73		27.74	0.000149	0.29	5.37	5.78	0.10
MV35666	MV35666	56.183	Max WS	IC TR030 TP06H	1.09	25.82	27.46		27.47	0.000174	0.28	3.89	4.94	0.10
MV35666	MV35666	56.183	Max WS	IC TR030 TP09H	0.75	25.82	27.42		27.42	0.000095	0.20	3.67	4.71	0.07
MV35666	MV35666	56.183	Max WS	IC TR200 TP09H	0.93	25.82	27.62		27.62	0.000078	0.20	4.74	5.62	0.07
MV35666	MV35666	56.181	Max WS	IC TR200 TP18H	0.61	25.81	27.40		27.40	0.000084	0.17	3.55	5.49	0.07
MV35666	MV35666	56.181	Max WS	IC TR030 TP18H	0.47	25.81	27.28		27.28	0.000066	0.16	2.93	4.10	0.06
MV35666	MV35666	56.181	Max WS	IC TR200 TP24H	0.55	25.81	27.34		2					

HEC-RAS Profile: Max WS (Continued)

River	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
MV35666	MV35666	56.18	Max WS	IC TR030 TP06H	1.09	25.80	27.45		27.46	0.000245	0.32	3.42	4.43	0.12
MV35666	MV35666	56.18	Max WS	IC TR030 TP09H	0.75	25.80	27.41		27.41	0.000134	0.23	3.24	4.28	0.09
MV35666	MV35666	56.18	Max WS	IC TR200 TP09H	0.95	25.80	27.62		27.62	0.000115	0.22	4.28	5.48	0.08
MV35666	MV35666	56.178	Max WS	IC TR200 TP18H	0.60	25.86	27.40		27.40	0.000094	0.18	3.39	5.55	0.07
MV35666	MV35666	56.178	Max WS	IC TR030 TP18H	0.46	25.86	27.28		27.28	0.000085	0.17	2.77	4.48	0.07
MV35666	MV35666	56.178	Max WS	IC TR200 TP24H	0.55	25.86	27.33		27.34	0.000103	0.18	3.05	5.16	0.08
MV35666	MV35666	56.178	Max WS	IC TR030 TP24H	0.39	25.86	27.24		27.24	0.000069	0.15	2.60	4.25	0.06
MV35666	MV35666	56.178	Max WS	IC TR200 TP36H	0.45	25.86	27.27		27.27	0.000083	0.16	2.75	4.45	0.07
MV35666	MV35666	56.178	Max WS	IC TR030 TP36H	0.29	25.86	27.18		27.19	0.000047	0.12	2.39	3.94	0.05
MV35666	MV35666	56.178	Max WS	IC TR030 TP01H	2.29	25.86	27.50		27.52	0.000843	0.57	4.00	5.75	0.22
MV35666	MV35666	56.178	Max WS	IC TR200 TP01H	2.31	25.86	27.73		27.74	0.000367	0.43	5.35	6.13	0.15
MV35666	MV35666	56.178	Max WS	IC TR030 TP03H	0.43	25.86	27.18		27.18	0.000104	0.18	2.36	3.90	0.07
MV35666	MV35666	56.178	Max WS	IC TR200 TP03H	2.37	25.86	27.80		27.81	0.000308	0.41	5.78	6.24	0.14
MV35666	MV35666	56.178	Max WS	IC TR200 TP06H	1.28	25.86	27.72		27.72	0.000116	0.24	5.29	6.11	0.08
MV35666	MV35666	56.178	Max WS	IC TR030 TP06H	1.08	25.86	27.45		27.45	0.000240	0.29	3.67	5.64	0.12
MV35666	MV35666	56.178	Max WS	IC TR030 TP09H	0.75	25.86	27.41		27.41	0.000139	0.22	3.45	5.57	0.09
MV35666	MV35666	56.178	Max WS	IC TR200 TP09H	0.91	25.86	27.61		27.62	0.000086	0.20	4.64	5.94	0.07
MV35666	MV35666	56.175	Max WS	IC TR200 TP18H	0.60	25.91	27.39		27.40	0.000081	0.18	3.38	4.93	0.07
MV35666	MV35666	56.175	Max WS	IC TR030 TP18H	0.46	25.91	27.27		27.27	0.000073	0.17	2.81	4.16	0.06
MV35666	MV35666	56.175	Max WS	IC TR200 TP24H	0.55	25.91	27.33		27.33	0.000091	0.18	3.07	4.81	0.07
MV35666	MV35666	56.175	Max WS	IC TR030 TP24H	0.39	25.91	27.24		27.24	0.000060	0.15	2.65	4.03	0.06
MV35666	MV35666	56.175	Max WS	IC TR200 TP36H	0.45	25.91	27.27		27.27	0.000071	0.16	2.78	4.15	0.06
MV35666	MV35666	56.175	Max WS	IC TR030 TP36H	0.28	25.91	27.18		27.19	0.000039	0.12	2.45	3.86	0.05
MV35666	MV35666	56.175	Max WS	IC TR030 TP01H	2.08	25.91	27.49		27.50	0.000681	0.54	3.86	5.10	0.20
MV35666	MV35666	56.175	Max WS	IC TR200 TP01H	2.00	25.91	27.73		27.74	0.000282	0.39	5.13	5.52	0.13
MV35666	MV35666	56.175	Max WS	IC TR030 TP03H	0.43	25.91	27.18		27.18	0.000092	0.18	2.42	3.83	0.07
MV35666	MV35666	56.175	Max WS	IC TR200 TP03H	2.06	25.91	27.80		27.81	0.000240	0.37	5.51	5.52	0.12
MV35666	MV35666	56.175	Max WS	IC TR200 TP06H	1.09	25.91	27.72		27.72	0.000085	0.21	5.09	5.52	0.07
MV35666	MV35666	56.175	Max WS	IC TR030 TP06H	1.06	25.91	27.44		27.44	0.000214	0.29	3.61	5.01	0.11
MV35666	MV35666	56.175	Max WS	IC TR030 TP09H	0.74	25.91	27.40		27.41	0.000121	0.22	3.43	4.94	0.08
MV35666	MV35666	56.175	Max WS	IC TR200 TP09H	0.80	25.91	27.61		27.61	0.000065	0.18	4.50	5.34	0.06
MV35666	MV35666	56.173	Max WS	IC TR200 TP18H	0.31	25.97	27.39		27.40	0.000024	0.10	3.10	3.93	0.04
MV35666	MV35666	56.173	Max WS	IC TR030 TP18H	0.31	25.97	27.27		27.27	0.000037	0.12	2.64	3.72	0.04
MV35666	MV35666	56.173	Max WS	IC TR200 TP24H	0.33	25.97	27.33		27.33	0.000033	0.11	2.86	3.82	0.04
MV35666	MV35666	56.173	Max WS	IC TR030 TP24H	0.28	25.97	27.23		27.24	0.000035	0.11	2.50	3.66	0.04
MV35666	MV35666	56.173	Max WS	IC TR200 TP36H	0.31	25.97	27.27		27.27	0.000037	0.12	2.62	3.71	0.04
MV35666	MV35666	56.173	Max WS	IC TR030 TP36H	0.22	25.97	27.18		27.18	0.000027	0.10	2.31	3.57	0.04
MV35666	MV35666	56.173	Max WS	IC TR030 TP01H	1.11	25.97	27.50		27.50	0.000218	0.32	3.50	4.10	0.11
MV35666	MV35666	56.173	Max WS	IC TR200 TP01H	0.79	25.97	27.74		27.74	0.000056	0.17	4.54	4.55	0.06
MV35666	MV35666	56.173	Max WS	IC TR030 TP03H	0.31	25.97	27.18		27.18	0.000053	0.13	2.28	3.53	0.05
MV35666	MV35666	56.173	Max WS	IC TR200 TP03H	0.73	25.97	27.81		27.81	0.000039	0.15	4.87	4.70	0.05
MV35666	MV35666	56.173	Max WS	IC TR200 TP06H	0.30	25.97	27.72		27.72	0.000008	0.07	4.49	4.52	0.02
MV35666	MV35666	56.173	Max WS	IC TR030 TP06H	0.53	25.97	27.44		27.44	0.000058	0.16	3.29	4.01	0.06
MV35666	MV35666	56.173	Max WS	IC TR030 TP09H	0.38	25.97	27.41		27.41	0.000034	0.12	3.14	3.95	0.04
MV35666	MV35666	56.173	Max WS	IC TR200 TP09H	0.25	25.97	27.61		27.62	0.000008	0.06	4.01	4.31	0.02
MV35666	MV35666	56.17	Max WS	IC TR200 TP18H	0.48	26.23	27.39		27.39	0.000136	0.28	1.69	4.28	0.10
MV35666	MV35666	56.17	Max WS	IC TR030 TP18H	0.46	26.23	27.26		27.27	0.000202	0.31	1.46	4.05	0.11
MV35666	MV35666	56.17	Max WS	IC TR200 TP24H	0.51	26.23	27.32		27.33	0.000197	0.33	1.57	4.16	0.11
MV35666	MV35666	56.17	Max WS	IC TR030 TP24H	0.39	26.23	27.23		27.23	0.000170	0.28	1.39	3.97	0.10
MV35666	MV35666	56.17	Max WS	IC TR200 TP36H	0.45	26.23	27.26		27.26	0.000198	0.31	1.45	4.04	0.11
MV35666	MV35666	56.17	Max WS	IC TR030 TP36H	0.30	26.23	27.18		27.18	0.000127	0.23	1.30	3.72	0.09
MV35666	MV35666	56.17	Max WS	IC TR030 TP01H	1.17	26.23	27.46		27.48	0.000626	0.64	1.83	4.74	0.21
MV35666	MV35666	56.17	Max WS	IC TR200 TP01H	2.55	26.23	27.60		27.68	0.001900	1.22	2.09	4.74	0.37
MV35666	MV35666	56.17	Max WS	IC TR030 TP03H	0.39	26.23	27.17		27.17	0.000228	0.31	1.28	3.66	0.12
MV35666	MV35666	56.17	Max WS	IC TR200 TP03H	2.89	26.23	27.65		27.74	0.002118	1.33	2.18	4.74	0.39
MV35666	MV35666	56.17	Max WS	IC TR200 TP06H	1.80	26.23	27.66		27.69	0.000797	0.82	2.20	4.74	0.24
MV35666	MV35666	56.17	Max WS	IC TR030 TP06H	0.67	26.23	27.43		27.44	0.000230	0.38	1.77	4.59	0.13
MV35666	MV35666	56.17	Max WS	IC TR030 TP09H	0.55	26.23	27.40		27.40	0.000174	0.32	1.71	4.30	0.11
MV35666	MV35666	56.17	Max WS	IC TR200 TP09H	0.98	26.23	27.59		27.60	0.000287	0.47	2.07	4.74	0.14
MV35666	MV35666	56.165												
MV35666	MV35666	56.165			Culvert									
MV35666	MV35666	56.16	Max WS	IC TR200 TP18H	0.48	26.08	27.38		27.39	0.000125	0.26	1.83	4.23	0.09
MV35666	MV35666	56.16	Max WS	IC TR030 TP18H	0.46	26.08	27.26		27.27	0.000180	0.29	1.60	3.50	0.10
MV35666	MV35666	56.16	Max WS	IC TR200 TP24H	0.51	26.08	27.32		27.32	0.000179	0.30	1.71	4.06	0.10
MV35666	MV35666	56.16	Max WS	IC TR030 TP24H	0.39	26.08	27.23		27.23	0.000150	0.25	1.53	3.28	0.09
MV35666	MV35666	56.16	Max WS	IC TR200 TP36H	0.45	26.08	27.26		27.26	0.000177	0.28	1.59	3.46	0.10
MV35666	MV35666	56.16	Max WS	IC TR030 TP36H	0.30	26.08	27.18		27.18	0.000110	0.21	1.44	3.02	0.08
MV35666	MV35666	56.16	Max WS	IC TR030 TP01H	1.15	26.08	27.45		27.47	0.000579	0.59	1.96	4.72	0.18
MV35666	MV35666	56.16	Max WS	IC TR200 TP01H	2.52	26.08	27.55		27.62	0.002052	1.18	2.15	4.72	0.35
MV35666	MV35666	56.16	Max WS	IC TR030 TP03H	0.39	26.08	27.16		27.17	0.000197	0.28	1.41	2.99	0.10
MV35666	MV35666	56.16	Max WS	IC TR200 TP03H	2.87	26.08	27.58		27.67	0.002436	1.30	2.20	4.72	0.39
MV35666	MV35666	56.16	Max WS	IC TR200 TP06H	1.80	26.08	27.64		27.67	0.000809	0.78	2.32	4.72	0.22
MV35666	MV35666	56.16	Max WS	IC TR030 TP06H	0.67	26.08	27.43		27.43	0.000213	0.35	1.91	4.62	0.11
MV35666	MV35666	56.16	Max WS	IC TR030 TP09H	0.55	26.08	27.39		27.40	0.000161	0.30	1.85	4.25	0.10
MV35666	MV35666	56.16	Max WS	IC TR200 TP09H	0.97	26.08	27.59		27.60	0.000273	0.44	2.22	4.72	0.13
MV35666	MV35666	56.156												
MV35666	MV35666	56.156			Lat Struct									
MV35666	MV35666	56.155	Max WS	IC TR200 TP18H	0.42	26.02	27.39		27.39	0.000090	0.16	2.59	4.68	0.07
MV35666	MV35666	56.155	Max WS	IC TR030 TP18H	0.31	26.02	27.26		27.26	0.000066	0.14	2.11	3.44	0.06
MV35666	MV35666	56.155	Max WS	IC TR200 TP24H	0.39	26.02	27.32		27.32	0.000085	0.17	2.32	3.65	0.07
MV35666	MV35666	56.155	Max WS	IC TR030 TP24H	0.24	26.02	27.23		27.23	0.000048	0.12	1.99	3.30	0.05
MV35666	MV35666	56.155	Max WS	IC TR200 TP36H	0.30	26.02	27.26		27.26	0.000063	0.14	2.10	3.42	0.06
MV35666	MV3													

River	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
MV35666	MV35666	56.15	Max WS	IC_TR200_TP09H	0.89	25.97	27.59		27.59	0.000141	0.24	3.67	4.81	0.09
MV35666	MV35666	56.149	Max WS	IC_TR200_TP18H	0.41	25.97	27.38		27.39	0.000214	0.19	2.12	5.83	0.10
MV35666	MV35666	56.149	Max WS	IC_TR030_TP18H	0.31	25.97	27.26		27.26	0.000297	0.21	1.48	4.60	0.12
MV35666	MV35666	56.149	Max WS	IC_TR200_TP24H	0.39	25.97	27.32		27.32	0.000299	0.22	1.75	4.97	0.12
MV35666	MV35666	56.149	Max WS	IC_TR030_TP24H	0.24	25.97	27.23		27.23	0.000256	0.18	1.31	4.37	0.11
MV35666	MV35666	56.149	Max WS	IC_TR200_TP36H	0.30	25.97	27.26		27.26	0.000289	0.20	1.45	4.57	0.11
MV35666	MV35666	56.149	Max WS	IC_TR030_TP36H	0.17	25.97	27.18		27.18	0.000207	0.15	1.11	4.05	0.09
MV35666	MV35666	56.149	Max WS	IC_TR030_TP01H	1.34	25.97	27.43		27.45	0.001561	0.56	2.40	5.95	0.28
MV35666	MV35666	56.149	Max WS	IC_TR200_TP01H	2.19	25.97	27.55		27.58	0.001798	0.69	3.15	6.07	0.31
MV35666	MV35666	56.149	Max WS	IC_TR030_TP03H	0.27	25.97	27.16		27.17	0.000091	0.25	1.08	3.97	0.08
MV35666	MV35666	56.149	Max WS	IC_TR200_TP03H	2.42	25.97	27.59		27.62	0.001747	0.71	3.38	6.07	0.31
MV35666	MV35666	56.149	Max WS	IC_TR200_TP06H	1.46	25.97	27.65		27.66	0.000478	0.39	3.72	6.07	0.16
MV35666	MV35666	56.149	Max WS	IC_TR030_TP06H	0.86	25.97	27.41		27.42	0.000752	0.38	2.29	5.90	0.19
MV35666	MV35666	56.149	Max WS	IC_TR030_TP09H	0.53	25.97	27.39		27.39	0.000344	0.25	2.15	5.84	0.13
MV35666	MV35666	56.149	Max WS	IC_TR200_TP09H	0.87	25.97	27.59		27.59	0.000238	0.26	3.34	6.07	0.11
MV35666	MV35666	56.145												
					Culvert									
MV35666	MV35666	56.14	Max WS	IC_TR200_TP18H	0.41	25.91	27.38		27.38	0.000046	0.13	3.14	4.32	0.05
MV35666	MV35666	56.14	Max WS	IC_TR030_TP18H	0.31	25.91	27.23		27.23	0.000050	0.12	2.50	4.21	0.05
MV35666	MV35666	56.14	Max WS	IC_TR200_TP24H	0.39	25.91	27.31		27.31	0.000055	0.14	2.84	4.32	0.05
MV35666	MV35666	56.14	Max WS	IC_TR030_TP24H	0.24	25.91	27.18		27.18	0.000040	0.11	2.29	4.11	0.05
MV35666	MV35666	56.14	Max WS	IC_TR200_TP36H	0.29	25.91	27.22		27.22	0.000048	0.12	2.47	4.20	0.05
MV35666	MV35666	56.14	Max WS	IC_TR030_TP36H	0.17	25.91	27.13		27.13	0.000026	0.08	2.07	3.99	0.04
MV35666	MV35666	56.14	Max WS	IC_TR030_TP01H	1.00	25.91	27.25		27.26	0.000480	0.39	2.59	4.26	0.16
MV35666	MV35666	56.14	Max WS	IC_TR200_TP01H	1.92	25.91	27.44		27.46	0.000795	0.57	3.40	4.32	0.20
MV35666	MV35666	56.14	Max WS	IC_TR030_TP03H	0.27	25.91	27.04		27.04	0.000110	0.15	1.72	3.80	0.07
MV35666	MV35666	56.14	Max WS	IC_TR200_TP03H	1.94	25.91	27.56		27.57	0.000539	0.50	3.90	4.32	0.17
MV35666	MV35666	56.14	Max WS	IC_TR200_TP06H	1.46	25.91	27.64		27.65	0.000237	0.34	4.26	4.32	0.11
MV35666	MV35666	56.14	Max WS	IC_TR030_TP06H	0.77	25.91	27.40		27.40	0.000150	0.24	3.22	4.32	0.09
MV35666	MV35666	56.14	Max WS	IC_TR030_TP09H	0.53	25.91	27.39		27.39	0.000076	0.17	3.16	4.32	0.06
MV35666	MV35666	56.14	Max WS	IC_TR200_TP09H	0.87	25.91	27.58		27.59	0.000101	0.22	4.01	4.32	0.07
MV35666	MV35666	56.139			Lat Struct									
MV35666	MV35666	56.138			Lat Struct									
MV35666	MV35666	56.137	Max WS	IC_TR200_TP18H	0.31	25.84	27.38		27.38	0.000024	0.10	3.23	4.03	0.03
MV35666	MV35666	56.137	Max WS	IC_TR030_TP18H	0.23	25.84	27.23		27.23	0.000023	0.09	2.62	4.03	0.03
MV35666	MV35666	56.137	Max WS	IC_TR200_TP24H	0.29	25.84	27.31		27.31	0.000027	0.10	2.94	4.03	0.04
MV35666	MV35666	56.137	Max WS	IC_TR030_TP24H	0.17	25.84	27.18		27.18	0.000018	0.07	2.42	4.03	0.03
MV35666	MV35666	56.137	Max WS	IC_TR200_TP36H	0.22	25.84	27.22		27.22	0.000022	0.08	2.60	4.03	0.03
MV35666	MV35666	56.137	Max WS	IC_TR030_TP36H	0.12	25.84	27.13		27.13	0.000012	0.06	2.20	4.03	0.02
MV35666	MV35666	56.137	Max WS	IC_TR030_TP01H	1.22	25.84	27.25		27.26	0.000211	0.26	2.72	4.03	0.10
MV35666	MV35666	56.137	Max WS	IC_TR200_TP01H	1.44	25.84	27.44		27.45	0.000409	0.41	3.48	4.03	0.14
MV35666	MV35666	56.137	Max WS	IC_TR030_TP03H	0.14	25.84	27.04		27.04	0.000023	0.07	1.86	3.88	0.03
MV35666	MV35666	56.137	Max WS	IC_TR200_TP03H	1.56	25.84	27.56		27.56	0.000335	0.40	3.94	4.03	0.13
MV35666	MV35666	56.137	Max WS	IC_TR200_TP06H	1.19	25.84	27.64		27.64	0.000155	0.28	4.27	4.03	0.09
MV35666	MV35666	56.137	Max WS	IC_TR030_TP06H	0.59	25.84	27.40		27.40	0.000080	0.18	3.30	4.03	0.06
MV35666	MV35666	56.137	Max WS	IC_TR030_TP09H	0.41	25.84	27.39		27.39	0.000040	0.12	3.25	4.03	0.04
MV35666	MV35666	56.137	Max WS	IC_TR200_TP09H	0.70	25.84	27.58		27.59	0.000062	0.17	4.05	4.03	0.06
MV35666	MV35666	56.133	Max WS	IC_TR200_TP18H	0.26	25.78	27.38		27.38	0.000021	0.08	3.10	4.23	0.03
MV35666	MV35666	56.133	Max WS	IC_TR030_TP18H	0.18	25.78	27.23		27.23	0.000018	0.07	2.47	3.96	0.03
MV35666	MV35666	56.133	Max WS	IC_TR200_TP24H	0.23	25.78	27.31		27.31	0.000023	0.08	2.81	4.23	0.03
MV35666	MV35666	56.133	Max WS	IC_TR030_TP24H	0.15	25.78	27.18		27.18	0.000014	0.06	2.29	3.56	0.03
MV35666	MV35666	56.133	Max WS	IC_TR200_TP36H	0.17	25.78	27.22		27.22	0.000017	0.07	2.45	3.90	0.03
MV35666	MV35666	56.133	Max WS	IC_TR030_TP36H	0.10	25.78	27.13		27.13	0.000008	0.05	2.11	3.19	0.02
MV35666	MV35666	56.133	Max WS	IC_TR030_TP01H	0.52	25.78	27.25		27.26	0.000145	0.20	2.57	4.18	0.08
MV35666	MV35666	56.133	Max WS	IC_TR200_TP01H	1.13	25.78	27.44		27.45	0.000302	0.33	3.36	4.23	0.12
MV35666	MV35666	56.133	Max WS	IC_TR030_TP03H	0.09	25.78	27.04		27.04	0.000009	0.05	1.84	2.85	0.02
MV35666	MV35666	56.133	Max WS	IC_TR200_TP03H	1.23	25.78	27.56		27.56	0.000243	0.32	3.85	4.23	0.11
MV35666	MV35666	56.133	Max WS	IC_TR200_TP06H	0.96	25.78	27.64		27.64	0.000112	0.23	4.20	4.23	0.07
MV35666	MV35666	56.133	Max WS	IC_TR030_TP06H	0.46	25.78	27.40		27.40	0.000061	0.15	3.18	4.23	0.05
MV35666	MV35666	56.133	Max WS	IC_TR030_TP09H	0.32	25.78	27.39		27.39	0.000031	0.10	3.12	4.23	0.04
MV35666	MV35666	56.133	Max WS	IC_TR200_TP09H	0.57	25.78	27.58		27.58	0.000047	0.14	3.96	4.23	0.05
MV35666	MV35666	56.13	Max WS	IC_TR200_TP18H	0.31	25.70	27.38		27.38	0.000021	0.09	3.60	5.13	0.03
MV35666	MV35666	56.13	Max WS	IC_TR030_TP18H	0.18	25.70	27.23		27.23	0.000015	0.06	2.83	5.13	0.03
MV35666	MV35666	56.13	Max WS	IC_TR200_TP24H	0.25	25.70	27.31		27.31	0.000019	0.08	3.24	5.13	0.03
MV35666	MV35666	56.13	Max WS	IC_TR030_TP24H	0.16	25.70	27.18		27.18	0.000014	0.06	2.59	4.60	0.03
MV35666	MV35666	56.13	Max WS	IC_TR200_TP36H	0.18	25.70	27.22		27.22	0.000015	0.06	2.80	5.11	0.03
MV35666	MV35666	56.13	Max WS	IC_TR030_TP36H	0.11	25.70	27.13		27.13	0.000008	0.05	2.35	4.34	0.02
MV35666	MV35666	56.13	Max WS	IC_TR030_TP01H	0.45	25.70	27.25		27.25	0.000081	0.15	2.95	5.13	0.06
MV35666	MV35666	56.13	Max WS	IC_TR200_TP01H	1.02	25.70	27.44		27.44	0.000175	0.26	3.90	5.13	0.10
MV35666	MV35666	56.13	Max WS	IC_TR030_TP03H	0.08	25.70	27.04		27.04	0.000006	0.04	1.99	3.67	0.02
MV35666	MV35666	56.13	Max WS	IC_TR200_TP03H	1.10	25.70	27.56		27.56	0.000134	0.24	4.50	5.13	0.08
MV35666	MV35666	56.13	Max WS	IC_TR200_TP06H	0.92	25.70	27.64		27.64	0.000071	0.19	4.93	5.13	0.06
MV35666	MV35666	56.13	Max WS	IC_TR030_TP06H	0.43	25.70	27.40		27.40	0.000037	0.12	3.69	5.13	0.04
MV35666	MV35666	56.13	Max WS	IC_TR030_TP09H	0.34	25.70	27.38		27.38	0.000025	0.09	3.62	5.13	







River	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
MV35568	MV35568	70.3	Max WS	IC_TR200_TP03H	0.67	28.14	29.27		29.27	0.000272	0.24	2.76	6.50	0.12
MV35568	MV35568	70.3	Max WS	IC_TR200_TP06H	0.31	28.14	28.99		28.99	0.000228	0.22	1.40	3.22	0.11
MV35568	MV35568	70.3	Max WS	IC_TR030_TP06H	0.20	28.14	28.78		28.78	0.000317	0.24	0.85	2.12	0.12
MV35568	MV35568	70.3	Max WS	IC_TR030_TP09H	0.19	28.14	28.75		28.75	0.000364	0.25	0.79	2.06	0.13
MV35568	MV35568	70.3	Max WS	IC_TR200_TP09H	0.21	28.14	28.90		28.90	0.000185	0.19	1.13	2.69	0.09
MV35568	MV35568	70.28	Max WS	IC_TR200_TP18H	0.37	28.03	28.65		28.66	0.001572	0.49	0.75	2.14	0.26
MV35568	MV35568	70.28	Max WS	IC_TR030_TP18H	0.13	28.03	28.31		28.33	0.005271	0.59	0.22	1.20	0.44
MV35568	MV35568	70.28	Max WS	IC_TR200_TP24H	0.31	28.03	28.56		28.58	0.002022	0.53	0.59	1.78	0.29
MV35568	MV35568	70.28	Max WS	IC_TR030_TP24H	0.10	28.03	28.25		28.28	0.008635	0.65	0.15	1.06	0.55
MV35568	MV35568	70.28	Max WS	IC_TR200_TP36H	0.13	28.03	28.30		28.32	0.006851	0.65	0.20	1.16	0.50
MV35568	MV35568	70.28	Max WS	IC_TR030_TP36H	0.10	28.03	28.25		28.28	0.009031	0.66	0.15	1.06	0.56
MV35568	MV35568	70.28	Max WS	IC_TR030_TP01H	1.20	28.03	29.10		29.11	0.001035	0.47	2.56	6.22	0.23
MV35568	MV35568	70.28	Max WS	IC_TR200_TP01H	2.22	28.03	29.46		29.47	0.000498	0.46	4.80	6.22	0.17
MV35568	MV35568	70.28	Max WS	IC_TR030_TP03H	0.13	28.03	28.31		28.33	0.005343	0.59	0.22	1.20	0.45
MV35568	MV35568	70.28	Max WS	IC_TR200_TP03H	1.75	28.03	29.24		29.25	0.000910	0.52	3.38	6.22	0.22
MV35568	MV35568	70.28	Max WS	IC_TR200_TP06H	0.80	28.03	28.96		28.97	0.001140	0.46	1.74	4.69	0.24
MV35568	MV35568	70.28	Max WS	IC_TR030_TP06H	0.47	28.03	28.75		28.76	0.001268	0.47	1.01	2.71	0.24
MV35568	MV35568	70.28	Max WS	IC_TR030_TP09H	0.44	28.03	28.72		28.73	0.001333	0.47	0.93	2.54	0.25
MV35568	MV35568	70.28	Max WS	IC_TR200_TP09H	0.54	28.03	28.88		28.89	0.000750	0.38	1.40	3.52	0.19
MV35568	MV35568	70.25	Max WS	IC_TR200_TP18H	0.50	27.91	28.62		28.63	0.001237	0.45	1.10	3.26	0.25
MV35568	MV35568	70.25	Max WS	IC_TR030_TP18H	0.13	27.91	28.28		28.29	0.002035	0.42	0.31	1.45	0.29
MV35568	MV35568	70.25	Max WS	IC_TR200_TP24H	0.40	27.91	28.53		28.55	0.001622	0.48	0.84	2.74	0.28
MV35568	MV35568	70.25	Max WS	IC_TR030_TP24H	0.10	27.91	28.18		28.20	0.004912	0.54	0.19	1.17	0.43
MV35568	MV35568	70.25	Max WS	IC_TR200_TP36H	0.13	27.91	28.25		28.26	0.003058	0.49	0.27	1.36	0.35
MV35568	MV35568	70.25	Max WS	IC_TR030_TP36H	0.10	27.91	28.16		28.18	0.007446	0.63	0.16	1.10	0.53
MV35568	MV35568	70.25	Max WS	IC_TR030_TP01H	1.59	27.91	29.08		29.10	0.000703	0.50	3.20	5.10	0.20
MV35568	MV35568	70.25	Max WS	IC_TR200_TP01H	2.31	27.91	29.46		29.47	0.000368	0.45	5.10	5.10	0.14
MV35568	MV35568	70.25	Max WS	IC_TR030_TP03H	0.13	27.91	28.28		28.28	0.002071	0.42	0.31	1.45	0.29
MV35568	MV35568	70.25	Max WS	IC_TR200_TP03H	2.04	27.91	29.22		29.24	0.000638	0.52	3.90	5.10	0.19
MV35568	MV35568	70.25	Max WS	IC_TR200_TP06H	1.22	27.91	28.94		28.95	0.000918	0.50	2.45	4.90	0.23
MV35568	MV35568	70.25	Max WS	IC_TR030_TP06H	0.68	27.91	28.73		28.74	0.001089	0.46	1.48	3.95	0.24
MV35568	MV35568	70.25	Max WS	IC_TR030_TP09H	0.62	27.91	28.70		28.71	0.001107	0.46	1.36	3.70	0.24
MV35568	MV35568	70.25	Max WS	IC_TR200_TP09H	0.82	27.91	28.86		28.87	0.000646	0.39	2.10	4.79	0.19
MV35568	MV35568	70.23	Max WS	IC_TR200_TP18H	0.50	27.79	28.61		28.62	0.000761	0.38	1.32	3.46	0.20
MV35568	MV35568	70.23	Max WS	IC_TR030_TP18H	0.13	27.79	28.26		28.27	0.001038	0.32	0.40	1.65	0.21
MV35568	MV35568	70.23	Max WS	IC_TR200_TP24H	0.40	27.79	28.52		28.53	0.000969	0.40	1.02	3.02	0.22
MV35568	MV35568	70.23	Max WS	IC_TR030_TP24H	0.10	27.79	28.14		28.15	0.002472	0.42	0.24	1.22	0.31
MV35568	MV35568	70.23	Max WS	IC_TR200_TP36H	0.13	27.79	28.22		28.23	0.001552	0.38	0.34	1.48	0.25
MV35568	MV35568	70.23	Max WS	IC_TR030_TP36H	0.10	27.79	28.09		28.10	0.005788	0.59	0.17	1.02	0.46
MV35568	MV35568	70.23	Max WS	IC_TR030_TP01H	1.96	27.79	29.06		29.08	0.000955	0.61	3.22	4.55	0.23
MV35568	MV35568	70.23	Max WS	IC_TR200_TP01H	2.22	27.79	29.45		29.46	0.000337	0.44	5.01	4.55	0.14
MV35568	MV35568	70.23	Max WS	IC_TR030_TP03H	0.13	27.79	28.26		28.26	0.001050	0.32	0.40	1.64	0.21
MV35568	MV35568	70.23	Max WS	IC_TR200_TP03H	1.81	27.79	29.22		29.23	0.000448	0.46	3.95	4.55	0.16
MV35568	MV35568	70.23	Max WS	IC_TR200_TP06H	1.73	27.79	28.90		28.92	0.001587	0.70	2.48	4.33	0.29
MV35568	MV35568	70.23	Max WS	IC_TR030_TP06H	0.78	27.79	28.71		28.72	0.000994	0.46	1.71	4.16	0.23
MV35568	MV35568	70.23	Max WS	IC_TR030_TP09H	0.68	27.79	28.69		28.70	0.000909	0.42	1.61	4.16	0.22
MV35568	MV35568	70.23	Max WS	IC_TR200_TP09H	1.16	27.79	28.84		28.85	0.000951	0.52	2.24	4.21	0.23
MV35568	MV35568	70.2	Max WS	IC_TR200_TP18H	0.52	27.67	28.60		28.61	0.000680	0.37	1.44	3.55	0.18
MV35568	MV35568	70.2	Max WS	IC_TR030_TP18H	0.13	27.67	28.25		28.26	0.000424	0.24	0.54	1.71	0.14
MV35568	MV35568	70.2	Max WS	IC_TR200_TP24H	0.40	27.67	28.51		28.52	0.000818	0.36	1.12	3.30	0.20
MV35568	MV35568	70.2	Max WS	IC_TR030_TP24H	0.10	27.67	28.13		28.13	0.000846	0.29	0.34	1.40	0.19
MV35568	MV35568	70.2	Max WS	IC_TR200_TP36H	0.13	27.67	28.21		28.21	0.000606	0.27	0.47	1.60	0.16
MV35568	MV35568	70.2	Max WS	IC_TR030_TP36H	0.10	27.67	28.04		28.05	0.002463	0.43	0.23	1.20	0.31
MV35568	MV35568	70.2	Max WS	IC_TR030_TP01H	1.79	27.67	29.05		29.07	0.000829	0.58	3.12	3.99	0.21
MV35568	MV35568	70.2	Max WS	IC_TR200_TP01H	1.38	27.67	29.46		29.46	0.000148	0.29	4.73	3.99	0.09
MV35568	MV35568	70.2	Max WS	IC_TR030_TP03H	0.13	27.67	28.25		28.25	0.000426	0.24	0.54	1.70	0.14
MV35568	MV35568	70.2	Max WS	IC_TR200_TP03H	1.55	27.67	29.22		29.23	0.000355	0.41	3.78	3.99	0.13
MV35568	MV35568	70.2	Max WS	IC_TR200_TP06H	1.42	27.67	28.89		28.91	0.001002	0.57	2.48	3.82	0.23
MV35568	MV35568	70.2	Max WS	IC_TR030_TP06H	0.67	27.67	28.71		28.72	0.000550	0.37	1.80	3.56	0.17
MV35568	MV35568	70.2	Max WS	IC_TR030_TP09H	0.67	27.67	28.68		28.69	0.000660	0.39	1.70	3.56	0.18
MV35568	MV35568	70.2	Max WS	IC_TR200_TP09H	0.88	27.67	28.84		28.85	0.000487	0.39	2.28	3.73	0.16
MV35568	MV35568	70.18	Max WS	IC_TR200_TP18H	0.50	27.60	28.60		28.60	0.000403	0.30	1.67	3.72	0.14
MV35568	MV35568	70.18	Max WS	IC_TR030_TP18H	0.13	27.60	28.25		28.25	0.000216	0.19	0.69	1.93	0.10
MV35568	MV35568	70.18	Max WS	IC_TR200_TP24H	0.40	27.60	28.51		28.51	0.000462	0.30	1.35	3.43	0.15
MV35568	MV35568	70.18	Max WS	IC_TR030_TP24H	0.10	27.60	28.12		28.12	0.000370	0.21	0.46	1.59	0.13
MV35568	MV35568	70.18	Max WS	IC_TR200_TP36H	0.12	27.60	28.21		28.21	0.000289	0.21	0.61	1.81	0.11
MV35568	MV35568	70.18	Max WS	IC_TR030_TP36H	0.10	27.60	28.03		28.03	0.000974	0.31	0.32	1.33	0.20
MV35568	MV35568	70.18	Max WS	IC_TR030_TP01H	1.51	27.60	29.06		29.07	0.000417	0.43	3.51	4.11	0.15
MV35568	MV35568	70.18	Max WS	IC_TR200_TP01H	-0.57	27.60	29.47		29.47	0.000020	-0.11	5.19	4.11	0.03
MV35568	MV35568	70.18	Max WS	IC_TR030_TP03H	0.13	27.60	28.25		28.25	0.000217	0.19	0.69	1.92	0.10
MV35568	MV35568	70.18	Max WS	IC_TR200_TP03H	1.42	27.60	29.22		29.22	0.000223	0.34	4.18	4.11	0.11
MV35568	MV35568	70.18	Max WS	IC_TR200_TP06H	1.06	27.60	28.90		28.90	0.000379	0.37	2.85	4.11	0.14
MV35568	MV35568	70.18	Max WS	IC_TR030_TP06H	0.65	27.60	28.70		28.71	0.000351	0.31	2.08	3.87	0.14
MV35568	MV35568	70.18	Max WS	IC_TR030_TP09H	0.64	27.60	28.67		28.68	0.000417	0.33	1.95	3.80	0.15
MV35568	MV35568	70.18	Max WS	IC_TR200_TP09H	0.63	27.60	28.84		28.85	0.000173	0.24	2.63	4.11	0.10
MV35568	MV35568	70.15	Max WS	IC_TR200_TP18H	0.48	27.53	28.59		28.60	0.000239	0.25	1.96	4.02	0.11
MV35568	MV35568	70.15	Max WS	IC_TR030_TP18H	0.13	27.53	28.25		28.25	0.000120	0.15	0.86	2.22	0.08
MV35568	MV35568	70.15	Max WS	IC_TR200_TP24H	0.40	27.53	28.50		28.51	0.000267	0.25	1.61	3.58	0.12
MV35568	MV35568	70.15	Max WS	IC_TR030_TP24H	0.10	27.53	28.12		28.12	0.000181	0.16	0.60	1.80	0.09
MV35568	MV35568	70.15	Max WS	IC_TR200_TP36H	0.12	27.53	28.20		28.20	0.000153	0.16	0.77	2.05	0.08
MV35568	MV35568	70.15	Max WS	IC_TR030_TP36H	0.10	27.53	28.02		28.02	0.000418	0.23	0.44	1.	

River	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
MV35568	MV35568	70.1	Max WS	IC TR200 TP18H	0.43	27.38	28.59		28.60	0.000089	0.16	2.63	4.86	0.07
MV35568	MV35568	70.1	Max WS	IC TR030 TP18H	0.12	27.38	28.25		28.25	0.000040	0.09	1.26	2.87	0.04
MV35568	MV35568	70.1	Max WS	IC TR200 TP24H	0.37	27.38	28.50		28.50	0.000112	0.17	2.19	4.48	0.08
MV35568	MV35568	70.1	Max WS	IC TR030 TP24H	0.09	27.38	28.12		28.12	0.000050	0.10	0.94	2.24	0.05
MV35568	MV35568	70.1	Max WS	IC TR200 TP36H	0.11	27.38	28.20		28.20	0.000043	0.09	1.14	2.57	0.05
MV35568	MV35568	70.1	Max WS	IC TR030 TP36H	0.10	27.38	28.01		28.02	0.000103	0.13	0.72	1.86	0.07
MV35568	MV35568	70.1	Max WS	IC TR030 TP01H	-1.23	27.38	29.06		29.06	0.000112	-0.25	4.96	5.04	0.08
MV35568	MV35568	70.1	Max WS	IC TR200 TP01H	-3.64	27.38	29.45		29.46	0.000374	-0.52	6.94	5.04	0.14
MV35568	MV35568	70.1	Max WS	IC TR030 TP03H	0.11	27.38	28.25		28.25	0.000038	0.09	1.26	2.86	0.04
MV35568	MV35568	70.1	Max WS	IC TR200 TP03H	-2.29	27.38	29.22		29.22	0.000252	-0.40	5.76	5.04	0.12
MV35568	MV35568	70.1	Max WS	IC TR200 TP06H	-0.24	27.38	28.90		28.90	0.000008	-0.06	4.16	5.04	0.02
MV35568	MV35568	70.1	Max WS	IC TR030 TP06H	0.32	27.38	28.70		28.70	0.000030	0.10	3.17	5.04	0.04
MV35568	MV35568	70.1	Max WS	IC TR030 TP09H	0.40	27.38	28.67		28.67	0.000055	0.13	3.01	5.04	0.06
MV35568	MV35568	70.1	Max WS	IC TR200 TP09H	-0.12	27.38	28.84		28.84	0.000002	-0.03	3.88	5.04	0.01
MV35568	MV35568	70.09	Max WS	IC TR200 TP18H	0.63	27.38	28.59		28.59	0.000293	0.37	1.73	6.45	0.12
MV35568	MV35568	70.09	Max WS	IC TR030 TP18H	0.18	27.38	28.25		28.25	0.000103	0.17	1.09	5.03	0.07
MV35568	MV35568	70.09	Max WS	IC TR200 TP24H	0.47	27.38	28.50		28.50	0.000229	0.30	1.56	5.84	0.11
MV35568	MV35568	70.09	Max WS	IC TR030 TP24H	0.13	27.38	28.12		28.12	0.000100	0.15	0.86	1.80	0.07
MV35568	MV35568	70.09	Max WS	IC TR200 TP36H	0.15	27.38	28.20		28.20	0.000092	0.15	1.01	2.30	0.06
MV35568	MV35568	70.09	Max WS	IC TR030 TP36H	0.11	27.38	28.01		28.01	0.000146	0.16	0.69	1.64	0.08
MV35568	MV35568	70.09	Max WS	IC TR030 TP01H	2.46	27.38	28.98		29.03	0.001354	1.00	2.47	7.17	0.28
MV35568	MV35568	70.09	Max WS	IC TR200 TP01H	4.38	27.38	29.33		29.43	0.001908	1.39	3.15	7.17	0.35
MV35568	MV35568	70.09	Max WS	IC TR030 TP03H	0.18	27.38	28.25		28.25	0.000106	0.17	1.09	4.87	0.07
MV35568	MV35568	70.09	Max WS	IC TR200 TP03H	3.31	27.38	29.11		29.19	0.001739	1.21	2.73	7.17	0.32
MV35568	MV35568	70.09	Max WS	IC TR200 TP06H	1.55	27.38	28.85		28.88	0.000748	0.69	2.24	7.17	0.20
MV35568	MV35568	70.09	Max WS	IC TR030 TP06H	0.76	27.38	28.69		28.70	0.000296	0.40	1.92	7.17	0.13
MV35568	MV35568	70.09	Max WS	IC TR030 TP09H	0.81	27.38	28.65		28.66	0.000373	0.43	1.86	7.17	0.14
MV35568	MV35568	70.09	Max WS	IC TR200 TP09H	1.42	27.38	28.80		28.82	0.000728	0.66	2.14	7.17	0.20
MV35568	MV35568	70.07												
					Culvert									
MV35568	MV35568	70.06	Max WS	IC TR200 TP18H	0.63	27.59	28.58		28.58	0.000208	0.37	1.70	5.00	0.13
MV35568	MV35568	70.06	Max WS	IC TR030 TP18H	0.18	27.59	28.24		28.25	0.000079	0.17	1.07	3.62	0.07
MV35568	MV35568	70.06	Max WS	IC TR200 TP24H	0.46	27.59	28.49		28.49	0.000155	0.30	1.54	4.60	0.11
MV35568	MV35568	70.06	Max WS	IC TR030 TP24H	0.13	27.59	28.12		28.12	0.000092	0.15	0.82	3.12	0.07
MV35568	MV35568	70.06	Max WS	IC TR200 TP36H	0.15	27.59	28.20		28.20	0.000075	0.16	0.98	3.44	0.07
MV35568	MV35568	70.06	Max WS	IC TR030 TP36H	0.11	27.59	28.01		28.01	0.000175	0.17	0.62	2.73	0.10
MV35568	MV35568	70.06	Max WS	IC TR030 TP01H	2.43	27.59	28.99		28.95	0.001128	1.06	2.30	7.19	0.31
MV35568	MV35568	70.06	Max WS	IC TR200 TP01H	4.34	27.59	29.36		29.12	0.003010	1.79	2.42	7.19	0.51
MV35568	MV35568	70.06	Max WS	IC TR030 TP03H	0.18	27.59	28.24		28.24	0.000082	0.17	1.07	3.62	0.07
MV35568	MV35568	70.06	Max WS	IC TR200 TP03H	3.30	27.59	28.93		29.03	0.001887	1.40	2.37	7.19	0.40
MV35568	MV35568	70.06	Max WS	IC TR200 TP06H	1.55	27.59	28.82		28.85	0.000556	0.71	2.17	7.19	0.21
MV35568	MV35568	70.06	Max WS	IC TR030 TP06H	0.76	27.59	28.68		28.69	0.000209	0.40	1.90	5.90	0.13
MV35568	MV35568	70.06	Max WS	IC TR030 TP09H	0.80	27.59	28.64		28.65	0.000264	0.44	1.83	5.51	0.14
MV35568	MV35568	70.06	Max WS	IC TR200 TP09H	1.42	27.59	28.77		28.80	0.000539	0.68	2.08	6.91	0.21
MV35568	MV35568	70.05	Max WS	IC TR200 TP18H	0.63	27.59	28.58		28.58	0.000134	0.22	2.89	5.02	0.09
MV35568	MV35568	70.05	Max WS	IC TR030 TP18H	0.18	27.59	28.24		28.25	0.000068	0.12	1.46	3.62	0.06
MV35568	MV35568	70.05	Max WS	IC TR200 TP24H	0.46	27.59	28.49		28.49	0.000106	0.18	2.47	4.60	0.08
MV35568	MV35568	70.05	Max WS	IC TR030 TP24H	0.12	27.59	28.11		28.12	0.000086	0.12	1.02	3.12	0.07
MV35568	MV35568	70.05	Max WS	IC TR200 TP36H	0.15	27.59	28.20		28.20	0.000067	0.12	1.29	3.44	0.06
MV35568	MV35568	70.05	Max WS	IC TR030 TP36H	0.11	27.59	28.01		28.01	0.000180	0.15	0.71	2.72	0.09
MV35568	MV35568	70.05	Max WS	IC TR030 TP01H	2.43	27.59	28.91		28.93	0.000531	0.48	5.05	7.19	0.18
MV35568	MV35568	70.05	Max WS	IC TR200 TP01H	4.35	27.59	29.03		29.05	0.001078	0.74	5.85	7.19	0.26
MV35568	MV35568	70.05	Max WS	IC TR030 TP03H	0.18	27.59	28.24		28.24	0.000070	0.12	1.45	3.62	0.06
MV35568	MV35568	70.05	Max WS	IC TR200 TP03H	3.30	27.59	28.97		28.99	0.000778	0.61	5.43	7.19	0.22
MV35568	MV35568	70.05	Max WS	IC TR200 TP06H	1.55	27.59	28.83		28.84	0.000313	0.35	4.48	7.19	0.14
MV35568	MV35568	70.05	Max WS	IC TR030 TP06H	0.76	27.59	28.68		28.68	0.000136	0.22	3.45	5.93	0.09
MV35568	MV35568	70.05	Max WS	IC TR030 TP09H	0.80	27.59	28.65		28.65	0.000169	0.25	3.25	5.54	0.10
MV35568	MV35568	70.05	Max WS	IC TR200 TP09H	1.42	27.59	28.78		28.79	0.000333	0.35	4.11	7.01	0.14
MV35475	MV35475	157	Max WS	IC TR200 TP18H	0.08	28.54	28.71	28.72	28.77	0.034952	1.02	0.08	0.88	1.09
MV35475	MV35475	157	Max WS	IC TR030 TP18H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR200 TP24H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR030 TP24H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR200 TP36H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR030 TP36H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR200 TP01H	1.00	28.54	29.04		29.14	0.017163	1.37	0.73	3.09	0.90
MV35475	MV35475	157	Max WS	IC TR030 TP01H	1.42	28.54	29.10		29.22	0.017756	1.58	0.90	3.09	0.94
MV35475	MV35475	157	Max WS	IC TR030 TP03H	0.08	28.54	28.71	28.72	28.77	0.034836	1.02	0.08	0.88	1.08
MV35475	MV35475	157	Max WS	IC TR200 TP03H	0.60	28.54	28.96	28.96	29.04	0.023972	1.24	0.48	3.09	1.01
MV35475	MV35475	157	Max WS	IC TR200 TP06H	0.33	28.54	28.86	28.86	28.95	0.025087	1.33	0.25	1.48	1.04
MV35475	MV35475	157	Max WS	IC TR030 TP06H	0.21	28.54	28.80	28.80	28.88	0.028351	1.23	0.17	1.23	1.06
MV35475	MV35475	157	Max WS	IC TR030 TP09H	0.13	28.54	28.76	28.76	28.82	0.025527	1.05	0.13	1.08	0.98
MV35475	MV35475	157	Max WS	IC TR200 TP09H	0.23	28.54	28.81	28.82	28.89	0.027953	1.26	0.18	1.28	1.06
MV35475	MV35475	156.69												
					Lat Struct									
MV35475	MV35475	156.68												
					Lat Struct									
MV35475	MV35475	156.67*	Max WS	IC TR200 TP18H	0.08	28.37	28.56	28.55	28.61	0.030168	0.99	0.08	0.83	1.00
MV35475	MV35475	156.67*	Max WS	IC TR030 TP18H	0.08	28.37	28.56	28.55	28.60	0.030315	0.99	0.08	0.82	1.00
MV35475	MV35475	156.67*	Max WS	IC TR200 TP24H	0.08	28.37	28.56	28.55	28.60	0.030315	0.99	0.08	0.82	1.00
MV35475	MV35475	156.67*	Max WS	IC TR030 TP24H	0.08	28.37	28.56	28.55	28.60	0.030315	0.99	0.08	0.82	1.00
MV35475	MV35475	156.67*	Max WS	IC TR200 TP36H	0.08	28.37	28.56	28.55	28.60	0.030315	0.99	0.08	0.82	1.00
MV35475	MV35475	156.67*	Max WS	IC TR030 TP36H	0.08	28.37	28.56	28.55	28.60	0.030315	0.99	0.08	0.82	1.00
MV35475	MV35475	156.67*	Max WS	IC TR030 TP01H	0.97	28.37	28.92	28.93	29.04	0.024748	1.55	0.63	2.93	1.07
MV35475	MV35475													

River	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
MV35475	MV35475	156	Max WS	IC TR200 TP18H	0.08	28.02	28.28		28.30	0.009380	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR030 TP18H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR200 TP24H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR030 TP24H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR200 TP36H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR030 TP36H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR030 TP01H	0.97	28.02	28.28		28.80	0.008563	0.98	0.99	3.90	0.62
MV35475	MV35475	156	Max WS	IC TR200 TP01H	1.32	28.02	28.28		28.80	0.009222	1.05	1.25	4.74	0.65
MV35475	MV35475	156	Max WS	IC TR030 TP03H	0.08	28.02	28.28		28.30	0.009349	0.68	0.12	0.78	0.56
MV35475	MV35475	156	Max WS	IC TR200 TP03H	0.60	28.02	28.64		28.69	0.009378	0.99	0.60	2.42	0.63
MV35475	MV35475	156	Max WS	IC TR200 TP06H	0.33	28.02	28.50		28.54	0.008959	0.95	0.35	1.36	0.60
MV35475	MV35475	156	Max WS	IC TR030 TP06H	0.21	28.02	28.41		28.45	0.009059	0.85	0.24	1.13	0.58
MV35475	MV35475	156	Max WS	IC TR030 TP09H	0.13	28.02	28.35		28.38	0.008725	0.75	0.18	0.96	0.56
MV35475	MV35475	156	Max WS	IC TR200 TP09H	0.23	28.02	28.43		28.47	0.008824	0.86	0.27	1.18	0.58
MV35475	MV35475	155.93*	Max WS	IC TR200 TP18H	0.08	27.96	28.22		28.24	0.008602	0.65	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR030 TP18H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR200 TP24H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR030 TP24H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR200 TP36H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR030 TP36H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR030 TP01H	0.97	27.96	28.70		28.74	0.008133	0.88	1.10	5.12	0.61
MV35475	MV35475	155.93*	Max WS	IC TR200 TP01H	1.32	27.96	28.77		28.81	0.006195	0.89	1.48	5.49	0.54
MV35475	MV35475	155.93*	Max WS	IC TR030 TP03H	0.08	27.96	28.22		28.24	0.008622	0.66	0.12	0.83	0.54
MV35475	MV35475	155.93*	Max WS	IC TR200 TP03H	0.60	27.96	28.57		28.62	0.008832	0.96	0.63	2.58	0.62
MV35475	MV35475	155.93*	Max WS	IC TR200 TP06H	0.33	27.96	28.43		28.48	0.008117	0.91	0.37	1.44	0.58
MV35475	MV35475	155.93*	Max WS	IC TR030 TP06H	0.21	27.96	28.35		28.38	0.008210	0.81	0.25	1.20	0.56
MV35475	MV35475	155.93*	Max WS	IC TR030 TP09H	0.13	27.96	28.29		28.31	0.007906	0.72	0.19	1.02	0.54
MV35475	MV35475	155.93*	Max WS	IC TR200 TP09H	0.23	27.96	28.37		28.40	0.007971	0.82	0.28	1.25	0.56
MV35475	MV35475	155.86*	Max WS	IC TR200 TP18H	0.08	27.90	28.16		28.18	0.008541	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR030 TP18H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR200 TP24H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR030 TP24H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR200 TP36H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR030 TP36H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR030 TP01H	0.97	27.90	28.62		28.68	0.007411	1.05	0.92	2.95	0.60
MV35475	MV35475	155.86*	Max WS	IC TR200 TP01H	1.28	27.90	28.69		28.75	0.008056	1.12	1.14	3.54	0.63
MV35475	MV35475	155.86*	Max WS	IC TR030 TP03H	0.08	27.90	28.16		28.18	0.008563	0.65	0.12	0.83	0.54
MV35475	MV35475	155.86*	Max WS	IC TR200 TP03H	0.60	27.90	28.51		28.56	0.006939	0.94	0.64	2.23	0.56
MV35475	MV35475	155.86*	Max WS	IC TR200 TP06H	0.33	27.90	28.38		28.41	0.007450	0.86	0.39	1.57	0.56
MV35475	MV35475	155.86*	Max WS	IC TR030 TP06H	0.21	27.90	28.29		28.32	0.008020	0.79	0.26	1.28	0.56
MV35475	MV35475	155.86*	Max WS	IC TR030 TP09H	0.13	27.90	28.23		28.25	0.007923	0.71	0.19	1.06	0.54
MV35475	MV35475	155.86*	Max WS	IC TR200 TP09H	0.23	27.90	28.31		28.34	0.007702	0.80	0.29	1.34	0.55
MV35475	MV35475	155.79*	Max WS	IC TR200 TP18H	0.08	27.84	28.10		28.12	0.008584	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR030 TP18H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR200 TP24H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR030 TP24H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR200 TP36H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR030 TP36H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR030 TP01H	0.96	27.84	28.55		28.62	0.008187	1.13	0.85	2.56	0.62
MV35475	MV35475	155.79*	Max WS	IC TR200 TP01H	1.26	27.84	28.60		28.69	0.009465	1.26	0.99	2.81	0.68
MV35475	MV35475	155.79*	Max WS	IC TR030 TP03H	0.08	27.84	28.10		28.12	0.008614	0.65	0.12	0.83	0.54
MV35475	MV35475	155.79*	Max WS	IC TR200 TP03H	0.60	27.84	28.45		28.50	0.007027	0.96	0.62	2.09	0.56
MV35475	MV35475	155.79*	Max WS	IC TR200 TP06H	0.33	27.84	28.32		28.36	0.007224	0.86	0.39	1.52	0.55
MV35475	MV35475	155.79*	Max WS	IC TR030 TP06H	0.21	27.84	28.23		28.26	0.008141	0.80	0.26	1.23	0.56
MV35475	MV35475	155.79*	Max WS	IC TR030 TP09H	0.13	27.84	28.16		28.19	0.007949	0.72	0.19	1.04	0.54
MV35475	MV35475	155.79*	Max WS	IC TR200 TP09H	0.23	27.84	28.25		28.28	0.007822	0.81	0.28	1.30	0.55
MV35475	MV35475	155.71*	Max WS	IC TR200 TP18H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR030 TP18H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR200 TP24H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR030 TP24H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR200 TP36H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR030 TP36H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR030 TP01H	0.96	27.78	28.49		28.55	0.008580	1.06	0.91	3.19	0.64
MV35475	MV35475	155.71*	Max WS	IC TR200 TP01H	1.25	27.78	28.54		28.61	0.009650	1.17	1.07	3.58	0.68
MV35475	MV35475	155.71*	Max WS	IC TR030 TP03H	0.08	27.78	28.03		28.06	0.008572	0.65	0.12	0.84	0.54
MV35475	MV35475	155.71*	Max WS	IC TR200 TP03H	0.60	27.78	28.40		28.44	0.006971	0.91	0.66	2.42	0.56
MV35475	MV35475	155.71*	Max WS	IC TR200 TP06H	0.33	27.78	28.27		28.30	0.007269	0.85	0.39	1.57	0.55
MV35475	MV35475	155.71*	Max WS	IC TR030 TP06H	0.21	27.78	28.16		28.20	0.008220	0.82	0.25	1.18	0.56
MV35475	MV35475	155.71*	Max WS	IC TR030 TP09H	0.13	27.78	28.10		28.13	0.007850	0.72	0.19	1.01	0.54
MV35475	MV35475	155.71*	Max WS	IC TR200 TP09H	0.23	27.78	28.19		28.22	0.007881	0.82	0.28	1.23	0.55
MV35475	MV35475	155.64*	Max WS	IC TR200 TP18H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR030 TP18H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR200 TP24H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR030 TP24H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR200 TP36H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR030 TP36H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR030 TP01H	0.95	27.72	28.44		28.48	0.007803	0.94	1.01	4.05	0.60
MV35475	MV35475	155.64*	Max WS	IC TR200 TP01H	1.22	27.72	28.49		28.54	0.006945	0.98	1.25	4.30	0.58
MV35475	MV35475	155.64*	Max WS	IC TR030 TP03H	0.08	27.72	27.97		27.99	0.008524	0.65	0.12	0.84	0.54
MV35475	MV35475	155.64*	Max WS	IC TR200 TP03H	0.59	27.72	28.36		28.39	0.005164	0.80	0.75	2.74	0.49
MV35475	MV35475	155.64*	Max WS	IC TR200 TP06H	0.33	27.72								

HEC-RAS Profile: Max WS (Continued)

River	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
MV35475	MV35475	155.50*	Max WS	IC TR030 TP01H	0.93	27.60	28.24		28.35	0.013044	1.40	0.67	1.93	0.76
MV35475	MV35475	155.50*	Max WS	IC TR200 TP01H	1.17	27.60	28.32		28.42	0.011839	1.43	0.82	2.15	0.74
MV35475	MV35475	155.50*	Max WS	IC TR030 TP03H	0.08	27.60	27.84		27.87	0.010146	0.69	0.12	0.84	0.59
MV35475	MV35475	155.50*	Max WS	IC TR200 TP03H	0.08	27.60	28.35		28.35	0.000050	0.09	0.88	2.42	0.05
MV35475	MV35475	155.50*	Max WS	IC TR200 TP06H	0.33	27.60	28.16		28.18	0.003338	0.65	0.51	1.68	0.38
MV35475	MV35475	155.50*	Max WS	IC TR030 TP06H	0.21	27.60	27.96		28.00	0.010443	0.89	0.23	1.12	0.63
MV35475	MV35475	155.50*	Max WS	IC TR030 TP09H	0.13	27.60	27.90		27.93	0.010018	0.79	0.17	0.97	0.60
MV35475	MV35475	155.50*	Max WS	IC TR200 TP09H	0.23	27.60	28.01		28.04	0.006964	0.79	0.29	1.26	0.52
MV35475	MV35475	155.43*	Max WS	IC TR200 TP18H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR030 TP18H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR200 TP24H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR030 TP24H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR200 TP36H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR030 TP36H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR030 TP01H	0.93	27.54	28.19		28.25	0.008995	1.11	0.84	2.86	0.66
MV35475	MV35475	155.43*	Max WS	IC TR200 TP01H	0.09	27.54	28.29		28.29	0.000036	0.07	1.19	4.01	0.04
MV35475	MV35475	155.43*	Max WS	IC TR030 TP03H	0.08	27.54	27.78		27.80	0.008235	0.62	0.13	0.96	0.55
MV35475	MV35475	155.43*	Max WS	IC TR200 TP03H	0.06	27.54	28.35		28.35	0.000010	0.04	1.43	4.17	0.02
MV35475	MV35475	155.43*	Max WS	IC TR200 TP06H	0.33	27.54	28.15		28.16	0.001500	0.45	0.73	2.55	0.27
MV35475	MV35475	155.43*	Max WS	IC TR030 TP06H	0.21	27.54	27.90		27.93	0.007631	0.78	0.26	1.29	0.55
MV35475	MV35475	155.43*	Max WS	IC TR030 TP09H	0.13	27.54	27.84		27.86	0.007381	0.69	0.19	1.13	0.53
MV35475	MV35475	155.43*	Max WS	IC TR200 TP09H	0.23	27.54	27.98		28.00	0.003831	0.61	0.38	1.65	0.40
MV35475	MV35475	155.36	Max WS	IC TR200 TP18H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR030 TP18H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR200 TP24H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR030 TP24H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR200 TP36H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR030 TP36H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR030 TP01H	0.94	27.48	28.17		28.19	0.001868	0.55	1.71	5.40	0.31
MV35475	MV35475	155.36	Max WS	IC TR200 TP01H	0.08	27.48	28.29		28.29	0.000005	0.03	2.35	5.40	0.02
MV35475	MV35475	155.36	Max WS	IC TR030 TP03H	0.08	27.48	27.73		27.74	0.005900	0.55	0.15	1.05	0.47
MV35475	MV35475	155.36	Max WS	IC TR200 TP03H	0.06	27.48	28.35		28.35	0.000002	0.02	2.66	5.40	0.01
MV35475	MV35475	155.36	Max WS	IC TR200 TP06H	0.31	27.48	28.14		28.15	0.000253	0.19	1.58	5.23	0.11
MV35475	MV35475	155.36	Max WS	IC TR030 TP06H	0.21	27.48	27.86		27.88	0.005179	0.54	0.38	2.65	0.46
MV35475	MV35475	155.36	Max WS	IC TR030 TP09H	0.13	27.48	27.79		27.81	0.006712	0.59	0.23	1.66	0.51
MV35475	MV35475	155.36	Max WS	IC TR200 TP09H	0.23	27.48	27.97		27.97	0.001364	0.31	0.73	4.30	0.24
MV35475	MV35475	155.29	Max WS	IC TR200 TP18H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR030 TP18H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR200 TP24H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR030 TP24H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR200 TP36H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR030 TP36H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR030 TP01H	0.95	27.42	28.13		28.16	0.004048	0.74	1.28	4.43	0.44
MV35475	MV35475	155.29	Max WS	IC TR200 TP01H	0.07	27.42	28.29		28.29	0.000006	0.04	1.97	4.43	0.02
MV35475	MV35475	155.29	Max WS	IC TR030 TP03H	0.08	27.42	27.66		27.68	0.010109	0.68	0.12	0.88	0.59
MV35475	MV35475	155.29	Max WS	IC TR200 TP03H	0.07	27.42	28.35		28.35	0.000004	0.03	2.23	4.43	0.01
MV35475	MV35475	155.29	Max WS	IC TR200 TP06H	0.31	27.42	28.14		28.14	0.000382	0.23	1.32	4.43	0.14
MV35475	MV35475	155.29	Max WS	IC TR030 TP06H	0.21	27.42	27.79		27.83	0.007966	0.80	0.26	1.19	0.55
MV35475	MV35475	155.29	Max WS	IC TR030 TP09H	0.13	27.42	27.71		27.75	0.009885	0.78	0.17	0.99	0.60
MV35475	MV35475	155.29	Max WS	IC TR200 TP09H	0.23	27.42	27.95		27.96	0.001995	0.40	0.58	3.07	0.29
MV35475	MV35475	155.21*	Max WS	IC TR200 TP18H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR030 TP18H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR200 TP24H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR030 TP24H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR200 TP36H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR030 TP36H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR030 TP01H	0.95	27.36	28.09		28.13	0.004493	0.85	1.11	3.38	0.48
MV35475	MV35475	155.21*	Max WS	IC TR200 TP01H	0.07	27.36	28.29		28.29	0.000006	0.04	1.94	4.61	0.02
MV35475	MV35475	155.21*	Max WS	IC TR030 TP03H	0.08	27.36	27.60		27.62	0.007219	0.59	0.14	1.04	0.51
MV35475	MV35475	155.21*	Max WS	IC TR200 TP03H	0.07	27.36	28.35		28.35	0.000004	0.03	2.21	4.61	0.02
MV35475	MV35475	155.21*	Max WS	IC TR200 TP06H	0.16	27.36	28.14		28.14	0.000087	0.12	1.29	3.71	0.07
MV35475	MV35475	155.21*	Max WS	IC TR030 TP06H	0.21	27.36	27.75		27.77	0.004138	0.62	0.33	1.46	0.42
MV35475	MV35475	155.21*	Max WS	IC TR030 TP09H	0.13	27.36	27.66		27.68	0.006208	0.64	0.21	1.21	0.49
MV35475	MV35475	155.21*	Max WS	IC TR200 TP09H	0.23	27.36	27.94		27.95	0.000851	0.33	0.69	2.42	0.20
MV35475	MV35475	155.14	Max WS	IC TR200 TP18H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR030 TP18H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR200 TP24H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR030 TP24H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR200 TP36H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR030 TP36H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR030 TP01H	0.95	27.30	28.06		28.09	0.004019	0.83	1.14	3.25	0.45
MV35475	MV35475	155.14	Max WS	IC TR200 TP01H	0.07	27.30	28.29		28.29	0.000005	0.03	2.12	4.64	0.02
MV35475	MV35475	155.14	Max WS	IC TR030 TP03H	0.08	27.30	27.54		27.56	0.007456	0.60	0.14	0.98	0.52
MV35475	MV35475	155.14	Max WS	IC TR200 TP03H	0.08	27.30	28.35		28.35	0.000004	0.03	2.39	4.64	0.01
MV35475	MV35475	155.14	Max WS	IC TR200 TP06H	0.15	27.30	28.14		28.14	0.000067	0.11	1.44	4.25	0.06
MV35475	MV35475	155.14	Max WS	IC TR030 TP06H	0.21	27.30	27.73		27.74	0.003629	0.58	0.36	1.57	0.39
MV35475	MV35475	155.14	Max WS	IC TR030 TP09H	0.13	27.30	27.62		27.64	0.005822	0.63	0.21	1.14	0.47
MV35475	MV35475	155.14	Max WS	IC TR200 TP09H	0.23	27.30	27.94		27.94	0.000568	0.29	0.80	2.56	0.16
MV35475	MV35475	155.07	Max WS	IC TR200 TP18H	0.08	27.24	27.49		27.51	0.006921	0.59	0.14	0.95	0.49
MV35475	MV35475	155.07	Max WS	IC TR030 TP18H	0.08	27.24	27.49		27.51	0.006921	0.59	0.14	0.95	0.49
MV35475	MV35475	155.07												

River	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
MV35475	MV35475	155	Max WS	IC TR030 TP09H	0.13	27.19	27.55		27.56	0.002973	0.50	0.27	1.17	0.34
MV35475	MV35475	155	Max WS	IC TR200 TP09H	0.23	27.19	27.93		27.93	0.000360	0.24	0.97	2.90	0.13
MV35475	MV35475	154.80	Max WS	IC TR200 TP18H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR030 TP18H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR200 TP24H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR030 TP24H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR200 TP36H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR030 TP36H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR030 TP01H	0.10	27.14	28.02		28.02	0.000016	0.06	1.79	4.65	0.03
MV35475	MV35475	154.80	Max WS	IC TR200 TP01H	0.13	27.14	28.29		28.29	0.000006	0.04	3.05	4.65	0.02
MV35475	MV35475	154.80	Max WS	IC TR030 TP03H	0.08	27.14	27.43		27.44	0.004385	0.50	0.16	0.99	0.40
MV35475	MV35475	154.80	Max WS	IC TR200 TP03H	0.14	27.14	28.35		28.35	0.000005	0.04	3.32	4.65	0.02
MV35475	MV35475	154.80	Max WS	IC TR200 TP06H	0.15	27.14	28.14		28.14	0.000015	0.06	2.36	4.65	0.03
MV35475	MV35475	154.80	Max WS	IC TR030 TP06H	0.21	27.14	27.68		27.69	0.001303	0.37	0.56	2.31	0.24
MV35475	MV35475	154.80	Max WS	IC TR030 TP09H	0.13	27.14	27.53		27.54	0.002717	0.46	0.29	1.42	0.33
MV35475	MV35475	154.80	Max WS	IC TR200 TP09H	0.23	27.14	27.93		27.93	0.000180	0.16	1.39	4.49	0.09
MV35475	MV35475	154.60	Max WS	IC TR200 TP18H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR030 TP18H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR200 TP24H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR030 TP24H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR200 TP36H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR030 TP36H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR030 TP01H	0.17	27.10	28.02		28.02	0.000021	0.07	2.33	5.24	0.03
MV35475	MV35475	154.60	Max WS	IC TR200 TP01H	0.21	27.10	28.29		28.29	0.000008	0.06	3.75	5.24	0.02
MV35475	MV35475	154.60	Max WS	IC TR030 TP03H	0.08	27.10	27.40		27.41	0.003013	0.44	0.19	1.07	0.34
MV35475	MV35475	154.60	Max WS	IC TR200 TP03H	0.20	27.10	28.35		28.35	0.000006	0.05	4.05	5.24	0.02
MV35475	MV35475	154.60	Max WS	IC TR200 TP06H	0.18	27.10	28.14		28.14	0.000012	0.06	2.96	5.24	0.03
MV35475	MV35475	154.60	Max WS	IC TR030 TP06H	0.21	27.10	27.67		27.68	0.000727	0.27	0.75	3.25	0.18
MV35475	MV35475	154.60	Max WS	IC TR030 TP09H	0.13	27.10	27.52		27.53	0.001897	0.38	0.35	1.86	0.28
MV35475	MV35475	154.60	Max WS	IC TR200 TP09H	0.24	27.10	27.93		27.93	0.000092	0.13	1.87	5.24	0.07
MV35475	MV35475	154.40	Max WS	IC TR200 TP18H	0.08	27.10	27.34		27.36	0.008799	0.65	0.12	0.90	0.56
MV35475	MV35475	154.40	Max WS	IC TR030 TP18H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR200 TP24H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR030 TP24H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR200 TP36H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR030 TP36H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR030 TP01H	0.22	27.10	28.02		28.02	0.000069	0.12	1.78	4.06	0.06
MV35475	MV35475	154.40	Max WS	IC TR200 TP01H	0.32	27.10	28.29		28.29	0.000034	0.11	2.88	4.06	0.04
MV35475	MV35475	154.40	Max WS	IC TR030 TP03H	0.08	27.10	27.31		27.34	0.016604	0.83	0.10	0.82	0.75
MV35475	MV35475	154.40	Max WS	IC TR200 TP03H	0.28	27.10	28.35		28.35	0.000021	0.09	3.12	4.06	0.03
MV35475	MV35475	154.40	Max WS	IC TR200 TP06H	0.20	27.10	28.14		28.14	0.000028	0.09	2.28	4.06	0.04
MV35475	MV35475	154.40	Max WS	IC TR030 TP06H	0.21	27.10	27.66		27.67	0.001203	0.36	0.57	2.21	0.23
MV35475	MV35475	154.40	Max WS	IC TR030 TP09H	0.13	27.10	27.50		27.51	0.002033	0.44	0.30	1.25	0.28
MV35475	MV35475	154.40	Max WS	IC TR200 TP09H	0.26	27.10	27.93		27.93	0.000186	0.18	1.43	4.06	0.10
MV35475	MV35475	154.20	Max WS	IC TR200 TP18H	0.08	27.01	27.31		27.32	0.002005	0.39	0.21	1.04	0.28
MV35475	MV35475	154.20	Max WS	IC TR030 TP18H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR200 TP24H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR030 TP24H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR200 TP36H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR030 TP36H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR030 TP01H	0.35	27.01	28.01		28.01	0.000143	0.19	1.83	3.62	0.08
MV35475	MV35475	154.20	Max WS	IC TR200 TP01H	0.36	27.01	28.29		28.29	0.000043	0.13	2.82	3.62	0.05
MV35475	MV35475	154.20	Max WS	IC TR030 TP03H	0.08	27.01	27.24		27.26	0.005984	0.58	0.14	0.91	0.47
MV35475	MV35475	154.20	Max WS	IC TR200 TP03H	0.29	27.01	28.34		28.35	0.000022	0.09	3.04	3.62	0.03
MV35475	MV35475	154.20	Max WS	IC TR200 TP06H	0.26	27.01	28.14		28.14	0.000043	0.12	2.28	3.62	0.05
MV35475	MV35475	154.20	Max WS	IC TR030 TP06H	0.22	27.01	27.66		27.66	0.000660	0.30	0.73	2.28	0.17
MV35475	MV35475	154.20	Max WS	IC TR030 TP09H	0.14	27.01	27.49		27.50	0.000827	0.32	0.43	1.42	0.18
MV35475	MV35475	154.20	Max WS	IC TR200 TP09H	0.32	27.01	27.92		27.93	0.000216	0.21	1.52	3.57	0.10
MV35475	MV35475	154	Max WS	IC TR200 TP18H	0.10	26.97	27.29		27.30	0.001998	0.40	0.26	1.25	0.28
MV35475	MV35475	154	Max WS	IC TR030 TP18H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR200 TP24H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR030 TP24H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR200 TP36H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR030 TP36H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR030 TP01H	0.67	26.97	28.00		28.01	0.000404	0.35	1.94	3.23	0.14
MV35475	MV35475	154	Max WS	IC TR200 TP01H	0.70	26.97	28.28		28.28	0.000145	0.25	2.86	3.29	0.08
MV35475	MV35475	154	Max WS	IC TR030 TP03H	0.08	26.97	27.22		27.23	0.003336	0.47	0.18	0.97	0.35
MV35475	MV35475	154	Max WS	IC TR200 TP03H	0.64	26.97	28.34		28.34	0.000098	0.21	3.06	3.29	0.07
MV35475	MV35475	154	Max WS	IC TR200 TP06H	0.62	26.97	28.13		28.13	0.000198	0.26	2.36	3.29	0.10
MV35475	MV35475	154	Max WS	IC TR030 TP06H	0.31	26.97	27.65		27.66	0.000692	0.34	0.91	2.51	0.18
MV35475	MV35475	154	Max WS	IC TR030 TP09H	0.20	26.97	27.48		27.49	0.000939	0.35	0.56	1.78	0.20
MV35475	MV35475	154	Max WS	IC TR200 TP09H	0.53	26.97	27.92		27.92	0.000377	0.32	1.67	3.09	0.14
MV35475	MV35475	153.8	Max WS	IC TR200 TP18H	0.12	26.97	27.25	27.14	27.27	0.004306	0.58	0.22	1.01	0.40
MV35475	MV35475	153.8	Max WS	IC TR030 TP18H	0.08	26.97	27.17	27.11	27.19	0.006617	0.60	0.14	0.90	0.49
MV35475	MV35475	153.8	Max WS	IC TR200 TP24H	0.08	26.97	27.17	27.11	27.19	0.006617	0.60	0.14	0.90	0.49
MV35475	MV35475	153.8	Max WS	IC TR030 TP24H	0.08	26.97	27.17	27.11	27.19	0.006617	0.60	0.14	0.90	0.49
MV35475	MV35475	153.8	Max WS	IC TR200 TP36H	0.08	26.97	27.17	27.11	27.19	0.006617	0.60	0.14	0.90	0.49
MV35475	MV35475	153.8	Max WS	IC TR030 TP36H	0.08	26.97	27.17	27.11	27.19	0.006617	0.60	0.14	0.90	0.49
MV35475	MV35475	153.8	Max WS	IC TR030 TP01H	0.79	26.97	27.97	27.44	27.99	0.001266	0.60	1.33	2.20	0.24
MV35475	MV35475	153.8	Max WS	IC TR200 TP01H	1.28	26.97	28.23	27.59	28.26	0.001096	0.67	1.90	2.36	0.23
MV35475	MV35475	153.8	Max WS											

River	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
MV35475	MV35475	152.6												
					Lat Struct									
MV35475	MV35475	152.50*	Max WS	IC TR200 TP18H	0.12	26.71	27.24		27.25	0.000218	0.18	0.70	2.30	0.10
MV35475	MV35475	152.50*	Max WS	IC TR030 TP18H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR200 TP24H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR030 TP24H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR200 TP36H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR030 TP36H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR030 TP01H	0.73	26.71	27.96		27.96	0.000104	0.20	3.67	5.83	0.08
MV35475	MV35475	152.50*	Max WS	IC TR200 TP01H	1.23	26.71	28.22		28.22	0.000108	0.24	5.23	6.38	0.08
MV35475	MV35475	152.50*	Max WS	IC TR030 TP03H	0.08	26.71	27.13		27.13	0.000293	0.18	0.46	1.81	0.12
MV35475	MV35475	152.50*	Max WS	IC TR200 TP03H	1.36	26.71	28.27		28.27	0.000110	0.24	5.59	6.55	0.08
MV35475	MV35475	152.50*	Max WS	IC TR200 TP06H	0.95	26.71	28.08		28.08	0.000106	0.22	4.39	6.09	0.08
MV35475	MV35475	152.50*	Max WS	IC TR030 TP06H	0.37	26.71	27.62		27.62	0.000157	0.20	1.90	4.25	0.09
MV35475	MV35475	152.50*	Max WS	IC TR030 TP09H	0.24	26.71	27.45		27.45	0.000168	0.19	1.27	3.19	0.09
MV35475	MV35475	152.50*	Max WS	IC TR200 TP09H	0.61	26.71	27.89		27.89	0.000106	0.19	3.24	5.67	0.08
MV35475	MV35475	152	Max WS	IC TR200 TP18H	0.12	26.71	27.24		27.24	0.000217	0.19	0.67	1.94	0.10
MV35475	MV35475	152	Max WS	IC TR030 TP18H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR200 TP24H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR030 TP24H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR200 TP36H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR030 TP36H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR030 TP01H	0.67	26.71	27.96		27.96	0.000135	0.22	3.04	4.65	0.09
MV35475	MV35475	152	Max WS	IC TR200 TP01H	1.12	26.71	28.21		28.22	0.000142	0.26	4.27	5.04	0.09
MV35475	MV35475	152	Max WS	IC TR030 TP03H	0.08	26.71	27.12		27.12	0.000289	0.18	0.45	1.72	0.11
MV35475	MV35475	152	Max WS	IC TR200 TP03H	1.24	26.71	28.27		28.27	0.000144	0.27	4.56	5.13	0.09
MV35475	MV35475	152	Max WS	IC TR200 TP06H	0.87	26.71	28.08		28.08	0.000136	0.24	3.61	4.84	0.09
MV35475	MV35475	152	Max WS	IC TR030 TP06H	0.36	26.71	27.62		27.62	0.000206	0.23	1.60	3.34	0.10
MV35475	MV35475	152	Max WS	IC TR030 TP09H	0.24	26.71	27.45		27.45	0.000198	0.21	1.12	2.43	0.10
MV35475	MV35475	152	Max WS	IC TR200 TP09H	0.58	26.71	27.88		27.89	0.000143	0.22	2.69	4.54	0.09
MV35475	MV35475	151.83*	Max WS	IC TR200 TP18H	0.12	26.68	27.24		27.24	0.000191	0.18	0.71	2.05	0.10
MV35475	MV35475	151.83*	Max WS	IC TR030 TP18H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR200 TP24H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR030 TP24H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR200 TP36H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR030 TP36H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR030 TP01H	0.63	26.68	27.96		27.96	0.000110	0.20	3.09	4.59	0.08
MV35475	MV35475	151.83*	Max WS	IC TR200 TP01H	1.05	26.68	28.21		28.22	0.000120	0.24	4.31	4.98	0.08
MV35475	MV35475	151.83*	Max WS	IC TR030 TP03H	0.08	26.68	27.12		27.12	0.000250	0.17	0.48	1.78	0.11
MV35475	MV35475	151.83*	Max WS	IC TR200 TP03H	1.16	26.68	28.27		28.27	0.000122	0.25	4.59	5.06	0.08
MV35475	MV35475	151.83*	Max WS	IC TR200 TP06H	0.81	26.68	28.08		28.08	0.000113	0.22	3.66	4.77	0.08
MV35475	MV35475	151.83*	Max WS	IC TR030 TP06H	0.36	26.68	27.62		27.62	0.000173	0.22	1.66	3.23	0.10
MV35475	MV35475	151.83*	Max WS	IC TR030 TP09H	0.23	26.68	27.45		27.45	0.000167	0.20	1.18	2.53	0.09
MV35475	MV35475	151.83*	Max WS	IC TR200 TP09H	0.55	26.68	27.88		27.89	0.000118	0.20	2.75	4.48	0.08
MV35475	MV35475	151.67*	Max WS	IC TR200 TP18H	0.12	26.66	27.24		27.24	0.000167	0.17	0.75	2.15	0.09
MV35475	MV35475	151.67*	Max WS	IC TR030 TP18H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR200 TP24H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR030 TP24H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR200 TP36H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR030 TP36H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR030 TP01H	0.60	26.66	27.96		27.96	0.000090	0.19	3.21	4.70	0.07
MV35475	MV35475	151.67*	Max WS	IC TR200 TP01H	0.99	26.66	28.21		28.22	0.000098	0.22	4.46	5.08	0.08
MV35475	MV35475	151.67*	Max WS	IC TR030 TP03H	0.08	26.66	27.12		27.12	0.000213	0.16	0.51	1.85	0.10
MV35475	MV35475	151.67*	Max WS	IC TR200 TP03H	1.10	26.66	28.27		28.27	0.000100	0.23	4.75	5.16	0.08
MV35475	MV35475	151.67*	Max WS	IC TR200 TP06H	0.77	26.66	28.08		28.08	0.000092	0.20	3.79	4.88	0.07
MV35475	MV35475	151.67*	Max WS	IC TR030 TP06H	0.36	26.66	27.62		27.62	0.000141	0.20	1.75	3.15	0.09
MV35475	MV35475	151.67*	Max WS	IC TR030 TP09H	0.23	26.66	27.45		27.45	0.000146	0.19	1.25	2.69	0.09
MV35475	MV35475	151.67*	Max WS	IC TR200 TP09H	0.53	26.66	27.88		27.89	0.000098	0.18	2.87	4.59	0.07
MV35475	MV35475	151.50	Max WS	IC TR200 TP18H	0.12	26.63	27.24		27.24	0.000100	0.13	0.98	2.86	0.07
MV35475	MV35475	151.50	Max WS	IC TR030 TP18H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR200 TP24H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR030 TP24H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR200 TP36H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR030 TP36H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR030 TP01H	0.58	26.63	27.96		27.96	0.000061	0.17	3.50	4.10	0.06
MV35475	MV35475	151.50	Max WS	IC TR200 TP01H	0.96	26.63	28.21		28.22	0.000079	0.21	4.60	4.51	0.07
MV35475	MV35475	151.50	Max WS	IC TR030 TP03H	0.08	26.63	27.12		27.12	0.000143	0.13	0.65	2.60	0.08
MV35475	MV35475	151.50	Max WS	IC TR200 TP03H	1.06	26.63	28.27		28.27	0.000084	0.22	4.85	4.61	0.07
MV35475	MV35475	151.50	Max WS	IC TR200 TP06H	0.74	26.63	28.08		28.08	0.000068	0.18	4.00	4.30	0.06
MV35475	MV35475	151.50	Max WS	IC TR030 TP06H	0.34	26.63	27.62		27.62	0.000077	0.16	2.19	3.54	0.06
MV35475	MV35475	151.50	Max WS	IC TR030 TP09H	0.23	26.63	27.45		27.45	0.000080	0.14	1.62	3.26	0.06
MV35475	MV35475	151.50	Max WS	IC TR200 TP09H	0.51	26.63	27.88		27.88	0.000061	0.16	3.19	3.97	0.06
MV35475	MV35475	151.33*	Max WS	IC TR200 TP18H	0.12	26.60	27.24		27.24	0.000127	0.14	0.90	2.87	0.08
MV35475	MV35475	151.33*												



River	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
MV35475	MV35475	151	Max WS	IC TR030 TP24H	0.08	26.55	27.12	26.74	27.12	0.000102	0.12	0.66	1.94	0.07
MV35475	MV35475	151	Max WS	IC TR200 TP36H	0.08	26.55	27.12	26.74	27.12	0.000102	0.12	0.66	1.94	0.07
MV35475	MV35475	151	Max WS	IC TR030 TP36H	0.08	26.55	27.12	26.74	27.12	0.000102	0.12	0.66	1.94	0.07
MV35475	MV35475	151	Max WS	IC TR030 TP01H	0.75	26.55	27.95	27.01	27.96	0.000100	0.20	3.86	6.01	0.08
MV35475	MV35475	151	Max WS	IC TR200 TP01H	1.25	26.55	28.21	27.12	28.21	0.000100	0.23	5.44	6.40	0.08
MV35475	MV35475	151	Max WS	IC TR030 TP03H	0.08	26.55	27.12	26.74	27.12	0.000102	0.12	0.66	1.94	0.07
MV35475	MV35475	151	Max WS	IC TR200 TP03H	1.37	26.55	28.27	27.15	28.27	0.000100	0.24	5.81	6.48	0.08
MV35475	MV35475	151	Max WS	IC TR200 TP06H	0.98	26.55	28.08	27.06	28.08	0.000100	0.21	4.60	6.20	0.08
MV35475	MV35475	151	Max WS	IC TR030 TP06H	0.35	26.55	27.61	26.88	27.62	0.000099	0.17	2.10	3.97	0.07
MV35475	MV35475	151	Max WS	IC TR030 TP09H	0.23	26.55	27.45	26.83	27.45	0.000101	0.16	1.49	3.18	0.07
MV35475	MV35475	151	Max WS	IC TR200 TP09H	0.63	26.55	27.88	26.97	27.88	0.000100	0.18	3.42	5.90	0.08
MV35177	MV35177	51.20	Max WS	IC TR200 TP18H	0.03	26.32	26.85		26.85	0.000016	0.04	0.79	3.08	0.02
MV35177	MV35177	51.20	Max WS	IC TR030 TP18H	0.06	26.32	26.65		26.66	0.000465	0.17	0.34	1.71	0.12
MV35177	MV35177	51.20	Max WS	IC TR200 TP24H	0.07	26.32	26.87		26.87	0.000071	0.08	0.84	3.12	0.05
MV35177	MV35177	51.20	Max WS	IC TR030 TP24H	0.05	26.32	26.63		26.63	0.000446	0.16	0.30	1.61	0.12
MV35177	MV35177	51.20	Max WS	IC TR200 TP36H	0.03	26.32	26.86		26.86	0.000014	0.04	0.83	3.11	0.02
MV35177	MV35177	51.20	Max WS	IC TR030 TP36H	0.04	26.32	26.61		26.61	0.000372	0.14	0.26	1.52	0.11
MV35177	MV35177	51.20	Max WS	IC TR030 TP01H	0.47	26.32	26.93		26.94	0.001736	0.45	1.03	3.26	0.26
MV35177	MV35177	51.20	Max WS	IC TR200 TP01H	0.64	26.32	26.97		26.99	0.002265	0.55	1.18	3.42	0.30
MV35177	MV35177	51.20	Max WS	IC TR030 TP03H	0.06	26.32	26.65		26.66	0.000467	0.17	0.34	1.71	0.12
MV35177	MV35177	51.20	Max WS	IC TR200 TP03H	0.38	26.32	26.93		26.94	0.001086	0.36	1.05	3.28	0.20
MV35177	MV35177	51.20	Max WS	IC TR200 TP06H	0.03	26.32	26.87		26.87	0.000013	0.04	0.85	3.13	0.02
MV35177	MV35177	51.20	Max WS	IC TR030 TP06H	0.16	26.32	26.82		26.82	0.000622	0.23	0.69	2.88	0.15
MV35177	MV35177	51.20	Max WS	IC TR030 TP09H	0.12	26.32	26.77		26.78	0.000501	0.21	0.57	2.37	0.13
MV35177	MV35177	51.20	Max WS	IC TR200 TP09H	0.03	26.32	26.89		26.89	0.000011	0.03	0.90	3.16	0.02
MV35177	MV35177	51.199												
MV35177	MV35177	51.198												
MV35177	MV35177	51.197												
MV35177	MV35177	51.197	Max WS	IC TR200 TP18H	0.01	26.26	26.85		26.85	0.000001	0.01	0.83	2.76	0.01
MV35177	MV35177	51.197	Max WS	IC TR030 TP18H	0.06	26.26	26.64		26.64	0.000278	0.15	0.38	1.67	0.10
MV35177	MV35177	51.197	Max WS	IC TR200 TP24H	0.02	26.26	26.86		26.86	0.000006	0.03	0.88	2.81	0.01
MV35177	MV35177	51.197	Max WS	IC TR030 TP24H	0.05	26.26	26.62		26.62	0.000267	0.14	0.35	1.59	0.09
MV35177	MV35177	51.197	Max WS	IC TR200 TP36H	-0.02	26.26	26.85		26.85	0.000007	-0.03	0.83	2.76	0.02
MV35177	MV35177	51.197	Max WS	IC TR030 TP36H	0.04	26.26	26.60		26.60	0.000205	0.12	0.31	1.52	0.08
MV35177	MV35177	51.197	Max WS	IC TR030 TP01H	0.39	26.26	26.88		26.89	0.001370	0.41	0.94	2.85	0.23
MV35177	MV35177	51.197	Max WS	IC TR200 TP01H	0.47	26.26	26.93		26.94	0.001438	0.45	1.06	2.92	0.24
MV35177	MV35177	51.197	Max WS	IC TR030 TP03H	0.05	26.26	26.64		26.64	0.000264	0.14	0.38	1.67	0.09
MV35177	MV35177	51.197	Max WS	IC TR200 TP03H	0.34	26.26	26.90		26.91	0.000920	0.35	0.99	2.88	0.19
MV35177	MV35177	51.197	Max WS	IC TR200 TP06H	0.02	26.26	26.87		26.87	0.000004	0.02	0.89	2.81	0.01
MV35177	MV35177	51.197	Max WS	IC TR030 TP06H	0.15	26.26	26.80		26.80	0.000445	0.21	0.71	2.52	0.13
MV35177	MV35177	51.197	Max WS	IC TR030 TP09H	0.10	26.26	26.76		26.76	0.000301	0.17	0.61	2.29	0.10
MV35177	MV35177	51.197	Max WS	IC TR200 TP09H	0.07	26.26	26.88		26.88	0.000052	0.08	0.92	2.83	0.04
MV35177	MV35177	51.193												
MV35177	MV35177	51.193	Max WS	IC TR200 TP18H	0.01	26.19	26.84		26.84	0.000000	0.01	0.94	2.50	0.00
MV35177	MV35177	51.193	Max WS	IC TR030 TP18H	0.05	26.19	26.64		26.64	0.000214	0.12	0.45	2.09	0.08
MV35177	MV35177	51.193	Max WS	IC TR200 TP24H	0.05	26.19	26.86		26.86	0.000020	0.05	0.97	2.52	0.03
MV35177	MV35177	51.193	Max WS	IC TR030 TP24H	0.05	26.19	26.61		26.61	0.000198	0.12	0.40	1.88	0.08
MV35177	MV35177	51.193	Max WS	IC TR200 TP36H	0.07	26.19	26.85		26.85	0.000038	0.07	0.94	2.51	0.04
MV35177	MV35177	51.193	Max WS	IC TR030 TP36H	0.04	26.19	26.59		26.59	0.000137	0.10	0.37	1.69	0.07
MV35177	MV35177	51.193	Max WS	IC TR030 TP01H	0.23	26.19	26.87		26.87	0.000392	0.23	0.99	2.53	0.12
MV35177	MV35177	51.193	Max WS	IC TR200 TP01H	0.27	26.19	26.91		26.91	0.000403	0.25	1.10	2.60	0.12
MV35177	MV35177	51.193	Max WS	IC TR030 TP03H	0.05	26.19	26.64		26.64	0.000206	0.12	0.45	2.09	0.08
MV35177	MV35177	51.193	Max WS	IC TR200 TP03H	0.21	26.19	26.89		26.89	0.000286	0.20	1.05	2.57	0.10
MV35177	MV35177	51.193	Max WS	IC TR200 TP06H	0.04	26.19	26.87		26.87	0.000011	0.04	0.99	2.53	0.02
MV35177	MV35177	51.193	Max WS	IC TR030 TP06H	0.19	26.19	26.78		26.79	0.000504	0.24	0.79	2.42	0.13
MV35177	MV35177	51.193	Max WS	IC TR030 TP09H	0.09	26.19	26.75		26.75	0.000149	0.12	0.71	2.36	0.07
MV35177	MV35177	51.193	Max WS	IC TR200 TP09H	0.01	26.19	26.88		26.88	0.000001	0.01	1.03	2.55	0.01
MV35177	MV35177	51.19												
MV35177	MV35177	51.19	Max WS	IC TR200 TP18H	0.10	26.13	26.84		26.84	0.000085	0.11	0.89	2.24	0.06
MV35177	MV35177	51.19	Max WS	IC TR030 TP18H	0.06	26.13	26.63		26.63	0.000185	0.13	0.48	1.68	0.08
MV35177	MV35177	51.19	Max WS	IC TR200 TP24H	0.15	26.13	26.85		26.85	0.000172	0.16	0.93	2.26	0.08
MV35177	MV35177	51.19	Max WS	IC TR030 TP24H	0.05	26.13	26.61		26.61	0.000138	0.11	0.45	1.62	0.07
MV35177	MV35177	51.19	Max WS	IC TR200 TP36H	0.14	26.13	26.83		26.83	0.000168	0.15	0.88	2.23	0.08
MV35177	MV35177	51.19	Max WS	IC TR030 TP36H	0.04	26.13	26.59		26.59	0.000096	0.09	0.42	1.56	0.06
MV35177	MV35177	51.19	Max WS	IC TR030 TP01H	0.23	26.13	26.85		26.86	0.000416	0.25	0.93	2.26	0.12
MV35177	MV35177	51.19	Max WS	IC TR200 TP01H	0.26	26.13	26.90		26.90	0.000391	0.25	1.03	2.31	0.12
MV35177	MV35177	51.19	Max WS	IC TR030 TP03H	0.07	26.13	26.63		26.63	0.000198	0.14	0.48	1.68	0.08
MV35177	MV35177	51.19	Max WS	IC TR200 TP03H	0.23	26.13	26.88		26.88	0.000351	0.23	0.99	2.29	0.11
MV35177	MV35177	51.19	Max WS	IC TR200 TP06H	0.08	26.13	26.86		26.86	0.000045	0.08	0.95	2.26	0.04
MV35177	MV35177	51.19	Max WS	IC TR030 TP06H	0.22	26.13	26.76		26.77	0.000698	0.29	0.73	2.07	0.16
MV35177	MV35177	51.19	Max WS	IC TR030 TP09H	0.17	26.13	26.73		26.74	0.000516	0.25	0.68	1.99	0.13
MV35177	MV35177	51.19	Max WS	IC TR200 TP09H	0.11	26.13	26.87		26.87	0.000085	0.11	0.97	2.28	0.06
MV35177	MV35177	51.189												
MV35177	MV35177	51.189	Max WS	IC TR200 TP18H	0.06	26.12	26.84		26.84	0.000032	0.07	0.91	2.40	0.03
MV35177	MV35177	51.189	Max WS	IC TR030 TP18H	0.06	26.12	26.63		26.63	0.000202	0.14	0.46	1.63	0.08
MV35177	MV35177	51.189	Max WS	IC TR200 TP24H	0.05	26.12	26.85		26.85	0.000024	0.06	0.95	2.43	0.03
MV35177	MV35177	51.189	Max WS	IC TR030 TP24H	0.05	26.12	26.61		26.61	0.000148	0.11	0.43	1.54	0.07
MV35177	MV35177	51.189	Max WS	IC TR200 TP36H	0.08	26.12	26.83		26.83	0.000067	0.09	0.90	2.39	0.05
MV35177	MV35177	51.189	Max WS	IC TR030 TP36H	0.04	26.12	26.59		26.59	0.000100	0.09	0.40	1.46	0.06
MV35177	MV35177	51.189	Max WS	IC TR030 TP01H	0.01	26.12	26.86		26.86	0.000001	0.01	0.96	2.43	0.00
MV35177	MV35177	51.189	Max WS	IC TR200 TP01H	-0.02	26.12	26.90		26.90	0.000003	-0.02	1.06	2.51	0.01
MV35177	MV35177	51.189	Max WS	IC TR030 TP03H	-0.06	26.12	26.63		26.63	0.000214	0.14	0.46	1.63	0.08
MV35177	MV35177	51.189	Max WS	IC TR200 TP03H	-0.02	26.12	26.88		26.88	0.000003	-0.02			

HEC-RAS Profile: Max WS (Continued)

River	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
MV35177	MV35177	51.18	Max WS	IC_TR030_TP24H	0.05	26.12	26.60		26.60	0.000156	0.12	0.41	1.42	0.07
MV35177	MV35177	51.18	Max WS	IC_TR200_TP36H	0.06	26.12	26.83		26.83	0.000048	0.08	0.80	2.11	0.04
MV35177	MV35177	51.18	Max WS	IC_TR030_TP36H	0.04	26.12	26.58		26.59	0.000105	0.09	0.39	1.39	0.06
MV35177	MV35177	51.18	Max WS	IC_TR030_TP01H	0.27	26.12	26.83		26.84	0.000860	0.33	0.81	2.12	0.17
MV35177	MV35177	51.18	Max WS	IC_TR200_TP01H	0.32	26.12	26.87		26.88	0.000934	0.36	0.91	2.28	0.18
MV35177	MV35177	51.18	Max WS	IC_TR030_TP03H	0.06	26.12	26.62		26.62	0.000220	0.14	0.44	1.46	0.08
MV35177	MV35177	51.18	Max WS	IC_TR200_TP03H	0.29	26.12	26.86		26.86	0.000863	0.34	0.87	2.22	0.17
MV35177	MV35177	51.18	Max WS	IC_TR200_TP06H	0.09	26.12	26.86		26.86	0.000081	0.10	0.87	2.22	0.05
MV35177	MV35177	51.18	Max WS	IC_TR030_TP06H	0.16	26.12	26.74		26.75	0.000517	0.24	0.64	1.80	0.13
MV35177	MV35177	51.18	Max WS	IC_TR030_TP09H	0.14	26.12	26.71		26.72	0.000527	0.24	0.59	1.69	0.13
MV35177	MV35177	51.18	Max WS	IC_TR200_TP09H	0.08	26.12	26.87		26.87	0.000063	0.09	0.89	2.27	0.05
MV35177	MV35177	51.178	Max WS	IC_TR200_TP18H	0.05	26.14	26.83		26.83	0.000029	0.06	0.78	2.08	0.03
MV35177	MV35177	51.178	Max WS	IC_TR030_TP18H	0.06	26.14	26.62		26.62	0.000253	0.15	0.40	1.43	0.09
MV35177	MV35177	51.178	Max WS	IC_TR200_TP24H	0.08	26.14	26.85		26.85	0.000074	0.10	0.82	2.14	0.05
MV35177	MV35177	51.178	Max WS	IC_TR030_TP24H	0.05	26.14	26.60		26.60	0.000190	0.13	0.38	1.39	0.08
MV35177	MV35177	51.178	Max WS	IC_TR200_TP36H	0.07	26.14	26.83		26.83	0.000057	0.09	0.77	2.06	0.04
MV35177	MV35177	51.178	Max WS	IC_TR030_TP36H	0.04	26.14	26.58		26.58	0.000128	0.10	0.36	1.36	0.06
MV35177	MV35177	51.178	Max WS	IC_TR030_TP01H	0.27	26.14	26.81		26.82	0.001063	0.37	0.74	2.01	0.19
MV35177	MV35177	51.178	Max WS	IC_TR200_TP01H	0.32	26.14	26.85		26.86	0.001149	0.39	0.83	2.15	0.20
MV35177	MV35177	51.178	Max WS	IC_TR030_TP03H	0.06	26.14	26.61		26.62	0.000268	0.15	0.40	1.43	0.09
MV35177	MV35177	51.178	Max WS	IC_TR200_TP03H	0.29	26.14	26.84		26.84	0.001056	0.37	0.79	2.09	0.19
MV35177	MV35177	51.178	Max WS	IC_TR200_TP06H	0.08	26.14	26.86		26.86	0.000070	0.10	0.83	2.15	0.05
MV35177	MV35177	51.178	Max WS	IC_TR030_TP06H	0.15	26.14	26.73		26.74	0.000622	0.26	0.59	1.76	0.14
MV35177	MV35177	51.178	Max WS	IC_TR030_TP09H	0.14	26.14	26.70		26.70	0.000645	0.26	0.54	1.66	0.15
MV35177	MV35177	51.178	Max WS	IC_TR200_TP09H	0.08	26.14	26.87		26.87	0.000061	0.09	0.86	2.19	0.05
MV35177	MV35177	51.175	Max WS	IC_TR200_TP18H	0.05	26.17	26.83		26.83	0.000031	0.06	0.75	2.04	0.03
MV35177	MV35177	51.175	Max WS	IC_TR030_TP18H	0.06	26.17	26.61		26.61	0.000321	0.16	0.37	1.39	0.10
MV35177	MV35177	51.175	Max WS	IC_TR200_TP24H	0.08	26.17	26.85		26.85	0.000082	0.10	0.78	2.09	0.05
MV35177	MV35177	51.175	Max WS	IC_TR030_TP24H	0.05	26.17	26.59		26.59	0.000243	0.14	0.35	1.35	0.09
MV35177	MV35177	51.175	Max WS	IC_TR200_TP36H	0.07	26.17	26.83		26.83	0.000062	0.09	0.74	2.02	0.05
MV35177	MV35177	51.175	Max WS	IC_TR030_TP36H	0.04	26.17	26.58		26.58	0.000163	0.11	0.33	1.32	0.07
MV35177	MV35177	51.175	Max WS	IC_TR030_TP01H	0.27	26.17	26.78		26.79	0.001438	0.41	0.66	1.90	0.22
MV35177	MV35177	51.175	Max WS	IC_TR200_TP01H	0.32	26.17	26.82		26.83	0.001550	0.44	0.73	2.02	0.23
MV35177	MV35177	51.175	Max WS	IC_TR030_TP03H	0.06	26.17	26.61		26.61	0.000339	0.17	0.37	1.39	0.10
MV35177	MV35177	51.175	Max WS	IC_TR200_TP03H	0.29	26.17	26.81		26.82	0.001408	0.42	0.71	1.98	0.22
MV35177	MV35177	51.175	Max WS	IC_TR200_TP06H	0.00	26.17	26.85		26.85	0.000000	0.00	0.80	2.11	0.00
MV35177	MV35177	51.175	Max WS	IC_TR030_TP06H	0.15	26.17	26.72		26.72	0.000795	0.29	0.54	1.70	0.16
MV35177	MV35177	51.175	Max WS	IC_TR030_TP09H	0.13	26.17	26.69		26.69	0.000783	0.28	0.49	1.61	0.16
MV35177	MV35177	51.175	Max WS	IC_TR200_TP09H	0.08	26.17	26.87		26.87	0.000063	0.09	0.82	2.15	0.05
MV35177	MV35177	51.173	Max WS	IC_TR200_TP18H	0.05	26.19	26.83		26.83	0.000035	0.07	0.72	1.99	0.04
MV35177	MV35177	51.173	Max WS	IC_TR030_TP18H	0.06	26.19	26.60		26.60	0.000418	0.18	0.33	1.34	0.11
MV35177	MV35177	51.173	Max WS	IC_TR200_TP24H	0.08	26.19	26.85		26.85	0.000089	0.11	0.75	2.04	0.06
MV35177	MV35177	51.173	Max WS	IC_TR030_TP24H	0.05	26.19	26.59		26.59	0.000317	0.15	0.31	1.30	0.10
MV35177	MV35177	51.173	Max WS	IC_TR200_TP36H	0.06	26.19	26.82		26.82	0.000063	0.09	0.70	1.97	0.05
MV35177	MV35177	51.173	Max WS	IC_TR030_TP36H	0.04	26.19	26.58		26.58	0.000209	0.12	0.30	1.27	0.08
MV35177	MV35177	51.173	Max WS	IC_TR030_TP01H	0.27	26.19	26.74		26.75	0.002264	0.49	0.55	1.74	0.28
MV35177	MV35177	51.173	Max WS	IC_TR200_TP01H	0.32	26.19	26.78		26.79	0.002442	0.52	0.61	1.84	0.29
MV35177	MV35177	51.173	Max WS	IC_TR030_TP03H	0.06	26.19	26.60		26.60	0.000438	0.18	0.33	1.33	0.12
MV35177	MV35177	51.173	Max WS	IC_TR200_TP03H	0.04	26.19	26.78		26.78	0.000039	0.07	0.61	1.84	0.04
MV35177	MV35177	51.173	Max WS	IC_TR200_TP06H	0.00	26.19	26.85		26.85	0.000000	-0.01	0.76	2.06	0.00
MV35177	MV35177	51.173	Max WS	IC_TR030_TP06H	0.15	26.19	26.70		26.70	0.001085	0.32	0.48	1.61	0.19
MV35177	MV35177	51.173	Max WS	IC_TR030_TP09H	0.11	26.19	26.67		26.68	0.000747	0.26	0.44	1.54	0.16
MV35177	MV35177	51.173	Max WS	IC_TR200_TP09H	0.02	26.19	26.87		26.87	0.000003	0.02	0.79	2.09	0.01
MV35177	MV35177	51.17	Max WS	IC_TR200_TP18H	0.05	26.21	26.83		26.83	0.000037	0.07	0.68	1.95	0.04
MV35177	MV35177	51.17	Max WS	IC_TR030_TP18H	0.03	26.21	26.55		26.55	0.000246	0.12	0.24	1.17	0.09
MV35177	MV35177	51.17	Max WS	IC_TR200_TP24H	0.03	26.21	26.85		26.85	0.000014	0.04	0.71	2.00	0.02
MV35177	MV35177	51.17	Max WS	IC_TR030_TP24H	0.03	26.21	26.56		26.56	0.000213	0.12	0.26	1.20	0.08
MV35177	MV35177	51.17	Max WS	IC_TR200_TP36H	0.05	26.21	26.82		26.82	0.000058	0.08	0.66	1.93	0.04
MV35177	MV35177	51.17	Max WS	IC_TR030_TP36H	0.03	26.21	26.56		26.56	0.000199	0.11	0.26	1.20	0.08
MV35177	MV35177	51.17	Max WS	IC_TR030_TP01H	0.27	26.21	26.61		26.65	0.009634	0.84	0.32	1.32	0.55
MV35177	MV35177	51.17	Max WS	IC_TR200_TP01H	0.32	26.21	26.67		26.70	0.007494	0.80	0.40	1.48	0.49
MV35177	MV35177	51.17	Max WS	IC_TR030_TP03H	0.06	26.21	26.40		26.42	0.010859	0.59	0.10	0.79	0.53
MV35177	MV35177	51.17	Max WS	IC_TR200_TP03H	0.04	26.21	26.78		26.78	0.000045	0.07	0.58	1.79	0.04
MV35177	MV35177	51.17	Max WS	IC_TR200_TP06H	0.00	26.21	26.85		26.85	0.000000	0.00	0.73	2.02	0.00
MV35177	MV35177	51.17	Max WS	IC_TR030_TP06H	0.15	26.21	26.55		26.57	0.006007	0.61	0.25	1.18	0.42
MV35177	MV35177	51.17	Max WS	IC_TR030_TP09H	0.11	26.21	26.50		26.52	0.007477	0.62	0.19	1.03	0.46
MV35177	MV35177	51.17	Max WS	IC_TR200_TP09H	0.02	26.21	26.87		26.87	0.000003	0.02	0.75	2.06	0.01
MV35177	MV35177	51.169	Max WS	IC_TR200_TP18H	0.19	25.73	26.83		26.83	0.000024	0.07	2.67	5.59	0.03
MV35177	MV35177	51.169	Max WS	IC_TR030_TP18H	0.38	25.73	26.52		26.53	0.000505	0.28	1.35	3.47	0.14
MV35177	MV35177	51.169	Max WS	IC_TR200_TP24H	0.10	25.73	26.84		26.84	0.000006	0.04	2.76	5.87	0.02
MV35177	MV35177	51.169	Max WS	IC_TR030_TP24H	0.39	25.73	26.54		26.54	0.000495	0.28	1.39	3.54	0.14
MV35177	MV35177	51.169	Max WS	IC_TR200_TP36H	0.17	25.73	26.82		26.82	0.000019	0.06	2.63	5.44	0.03
MV35177	MV35177	51.169	Max WS	IC_TR030_TP36H	0.39	25.73	26.54		26.54	0.000483	0.28	1.40	3.55	0.14
MV35177	MV35177	51.169	Max WS	IC_TR030_TP01H	0.22	25.73	26.47		26.47	0.000233	0.18	1.18	3.19	0.10
MV35177	MV35177	51.169	Max WS	IC_TR200_TP01H	0.20	25.73	26.57		26.57	0.000105	0.13	1.50	3.69	0.07
MV35177	MV35177	51.169	Max WS	IC_TR030_TP03H	0.06	25.73	26.26		26.26	0.000084	0.09	0.62	2.05	0.06
MV35177	MV35177	51.169	Max WS	IC_TR200_TP03H	0.38	25.73	26.77		26.77	0.000122	0.16	2.77	4.93	0.07
MV35177	MV35177	51.169	Max WS	IC_TR200_TP06H	0.09	25.73	26.85		26.85	0.000005	0.03	2.81	6.01	0.01
MV35177	MV35177	51.169	Max WS	IC_TR030_TP06H	0.19	25.73	26.45		26.45	0.000212	0.17	1.10	3.05	0.09
MV35177	MV35177	51.169	Max WS	IC_TR030_TP09H	0.14	25.73	26.37		26.38	0.000187	0.15	0.89	2.67	0.08
MV35177	MV35177	51.169	Max WS	IC_TR200_TP09H	0									

HEC-RAS Profile: Max WS (Continued)

River	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
MV35177	MV35177	51.159	Max WS	IC TR200 TP01H	0.19	25.35	26.56		26.56	0.000024	0.08	2.38	3.77	0.03
MV35177	MV35177	51.159	Max WS	IC TR030 TP03H	0.06	25.35	26.26		26.26	0.000010	0.04	1.38	2.80	0.02
MV35177	MV35177	51.159	Max WS	IC TR200 TP03H	0.49	25.35	26.77		26.77	0.000076	0.15	3.22	4.66	0.06
MV35177	MV35177	51.159	Max WS	IC TR200 TP06H	0.14	25.35	26.85		26.85	0.000005	0.04	3.66	5.43	0.02
MV35177	MV35177	51.159	Max WS	IC TR030 TP06H	0.16	25.35	26.44		26.44	0.000031	0.08	1.94	3.37	0.04
MV35177	MV35177	51.159	Max WS	IC TR030 TP09H	0.12	25.35	26.37		26.37	0.000024	0.07	1.71	3.14	0.03
MV35177	MV35177	51.159	Max WS	IC TR200 TP09H	0.17	25.35	26.86		26.86	0.000007	0.05	3.72	5.57	0.02
MV35177	MV35177	51.15	Max WS	IC TR200 TP18H	0.31	25.34	26.83		26.83	0.000122	0.14	2.22	4.84	0.06
MV35177	MV35177	51.15	Max WS	IC TR030 TP18H	0.38	25.34	26.52		26.52	0.000111	0.22	1.70	3.62	0.07
MV35177	MV35177	51.15	Max WS	IC TR200 TP24H	0.16	25.34	26.85		26.85	0.000029	0.07	2.31	4.84	0.03
MV35177	MV35177	51.15	Max WS	IC TR030 TP24H	0.39	25.34	26.53		26.53	0.000113	0.23	1.72	3.68	0.07
MV35177	MV35177	51.15	Max WS	IC TR200 TP36H	0.25	25.34	26.82		26.82	0.000021	0.12	2.19	4.84	0.03
MV35177	MV35177	51.15	Max WS	IC TR030 TP36H	0.39	25.34	26.53		26.53	0.000113	0.23	1.73	3.69	0.07
MV35177	MV35177	51.15	Max WS	IC TR030 TP01H	0.21	25.34	26.47		26.47	0.000039	0.13	1.63	3.38	0.04
MV35177	MV35177	51.15	Max WS	IC TR200 TP01H	0.19	25.34	26.56		26.56	0.000023	0.11	1.78	3.79	0.03
MV35177	MV35177	51.15	Max WS	IC TR030 TP03H	0.06	25.34	26.26		26.26	0.000007	0.05	1.29	2.43	0.02
MV35177	MV35177	51.15	Max WS	IC TR200 TP03H	0.51	25.34	26.76		26.77	0.000101	0.24	2.10	4.84	0.07
MV35177	MV35177	51.15	Max WS	IC TR200 TP06H	0.14	25.34	26.85		26.85	0.000021	0.06	2.35	4.84	0.03
MV35177	MV35177	51.15	Max WS	IC TR030 TP06H	0.16	25.34	26.44		26.44	0.000026	0.10	1.58	3.23	0.03
MV35177	MV35177	51.15	Max WS	IC TR030 TP09H	0.12	25.34	26.37		26.37	0.000019	0.08	1.47	2.88	0.03
MV35177	MV35177	51.15	Max WS	IC TR200 TP09H	0.07	25.34	26.86		26.86	0.000006	0.03	2.41	4.84	0.01
MV35177	MV35177	51.145												
MV35177	MV35177	51.14		Culvert										
MV35177	MV35177	51.14	Max WS	IC TR200 TP18H	0.31	25.24	26.82		26.82	0.000135	0.13	2.36	6.61	0.07
MV35177	MV35177	51.14	Max WS	IC TR030 TP18H	0.38	25.24	26.51		26.51	0.000073	0.21	1.85	5.88	0.06
MV35177	MV35177	51.14	Max WS	IC TR200 TP24H	0.16	25.24	26.84		26.84	0.000030	0.06	2.49	6.61	0.03
MV35177	MV35177	51.14	Max WS	IC TR030 TP24H	0.39	25.24	26.52		26.53	0.000074	0.21	1.87	6.08	0.06
MV35177	MV35177	51.14	Max WS	IC TR200 TP36H	0.25	25.24	26.82		26.82	0.000015	0.11	2.34	6.61	0.03
MV35177	MV35177	51.14	Max WS	IC TR030 TP36H	0.39	25.24	26.53		26.53	0.000074	0.21	1.87	6.12	0.06
MV35177	MV35177	51.14	Max WS	IC TR030 TP01H	0.21	25.24	26.47		26.47	0.000025	0.12	1.78	5.16	0.04
MV35177	MV35177	51.14	Max WS	IC TR200 TP01H	0.19	25.24	26.56		26.56	0.000015	0.10	1.93	6.50	0.03
MV35177	MV35177	51.14	Max WS	IC TR030 TP03H	0.06	25.24	26.26		26.26	0.000004	0.04	1.44	3.82	0.01
MV35177	MV35177	51.14	Max WS	IC TR200 TP03H	0.51	25.24	26.76		26.76	0.000070	0.23	2.24	6.61	0.06
MV35177	MV35177	51.14	Max WS	IC TR200 TP06H	0.14	25.24	26.85		26.85	0.000022	0.05	2.55	6.61	0.03
MV35177	MV35177	51.14	Max WS	IC TR030 TP06H	0.16	25.24	26.44		26.44	0.000017	0.09	1.73	4.81	0.03
MV35177	MV35177	51.14	Max WS	IC TR030 TP09H	0.12	25.24	26.37		26.37	0.000012	0.08	1.62	4.13	0.02
MV35177	MV35177	51.14	Max WS	IC TR200 TP09H	0.08	25.24	26.86		26.86	0.000007	0.03	2.62	6.61	0.02
MV35177	MV35177	51.139		Lat Struct										
MV35177	MV35177	51.138		Lat Struct										
MV35177	MV35177	51.137	Max WS	IC TR200 TP18H	0.41	25.23	26.82		26.82	0.000019	0.08	5.09	6.78	0.03
MV35177	MV35177	51.137	Max WS	IC TR030 TP18H	0.46	25.23	26.51		26.51	0.000078	0.14	3.17	5.17	0.06
MV35177	MV35177	51.137	Max WS	IC TR200 TP24H	0.34	25.23	26.84		26.84	0.000012	0.06	5.23	6.78	0.02
MV35177	MV35177	51.137	Max WS	IC TR030 TP24H	0.48	25.23	26.52		26.52	0.000079	0.15	3.23	5.20	0.06
MV35177	MV35177	51.137	Max WS	IC TR200 TP36H	0.42	25.23	26.82		26.82	0.000021	0.08	5.05	6.78	0.03
MV35177	MV35177	51.137	Max WS	IC TR030 TP36H	0.47	25.23	26.53		26.53	0.000078	0.15	3.24	5.20	0.06
MV35177	MV35177	51.137	Max WS	IC TR030 TP01H	0.21	25.23	26.47		26.47	0.000017	0.07	2.95	4.42	0.03
MV35177	MV35177	51.137	Max WS	IC TR200 TP01H	0.21	25.23	26.56		26.56	0.000013	0.06	3.42	5.27	0.02
MV35177	MV35177	51.137	Max WS	IC TR030 TP03H	0.06	25.23	26.26		26.26	0.000003	0.03	2.12	3.64	0.01
MV35177	MV35177	51.137	Max WS	IC TR200 TP03H	0.58	25.23	26.76		26.76	0.000050	0.12	4.64	6.78	0.05
MV35177	MV35177	51.137	Max WS	IC TR200 TP06H	0.34	25.23	26.85		26.85	0.000012	0.07	5.28	6.78	0.02
MV35177	MV35177	51.137	Max WS	IC TR030 TP06H	0.16	25.23	26.44		26.44	0.000011	0.06	2.83	4.27	0.02
MV35177	MV35177	51.137	Max WS	IC TR030 TP09H	0.12	25.23	26.37		26.37	0.000008	0.05	2.55	4.01	0.02
MV35177	MV35177	51.137	Max WS	IC TR200 TP09H	0.31	25.23	26.86		26.86	0.000009	0.06	5.36	6.78	0.02
MV35177	MV35177	51.133	Max WS	IC TR200 TP18H	0.48	25.21	26.82		26.82	0.000030	0.10	4.74	6.36	0.04
MV35177	MV35177	51.133	Max WS	IC TR030 TP18H	0.46	25.21	26.51		26.51	0.000068	0.15	3.08	4.22	0.06
MV35177	MV35177	51.133	Max WS	IC TR200 TP24H	0.45	25.21	26.84		26.84	0.000026	0.09	4.86	6.70	0.03
MV35177	MV35177	51.133	Max WS	IC TR030 TP24H	0.47	25.21	26.52		26.52	0.000070	0.15	3.13	4.25	0.06
MV35177	MV35177	51.133	Max WS	IC TR200 TP36H	0.54	25.21	26.82		26.82	0.000038	0.11	4.69	6.23	0.04
MV35177	MV35177	51.133	Max WS	IC TR030 TP36H	0.47	25.21	26.52		26.53	0.000069	0.15	3.14	4.26	0.06
MV35177	MV35177	51.133	Max WS	IC TR030 TP01H	0.21	25.21	26.47		26.47	0.000017	0.07	2.89	4.09	0.03
MV35177	MV35177	51.133	Max WS	IC TR200 TP01H	0.22	25.21	26.56		26.56	0.000013	0.07	3.29	4.41	0.02
MV35177	MV35177	51.133	Max WS	IC TR030 TP03H	0.06	25.21	26.26		26.26	0.000003	0.03	2.10	3.48	0.01
MV35177	MV35177	51.133	Max WS	IC TR200 TP03H	0.62	25.21	26.76		26.76	0.000059	0.14	4.33	5.79	0.05
MV35177	MV35177	51.133	Max WS	IC TR200 TP06H	0.49	25.21	26.85		26.85	0.000030	0.10	4.92	6.83	0.04
MV35177	MV35177	51.133	Max WS	IC TR030 TP06H	0.16	25.21	26.44		26.44	0.000011	0.06	2.78	4.01	0.02
MV35177	MV35177	51.133	Max WS	IC TR030 TP09H	0.12	25.21	26.37		26.37	0.000008	0.05	2.51	3.80	0.02
MV35177	MV35177	51.133	Max WS	IC TR200 TP09H	0.48	25.21	26.86		26.86	0.000027	0.10	5.00	6.83	0.04
MV35177	MV35177	51.13	Max WS	IC TR200 TP18H	0.67	25.20	26.82		26.82	0.000060	0.15	4.54	5.63	0.05
MV35177	MV35177	51.13	Max WS	IC TR030 TP18H	0.46	25.20	26.51		26.51	0.000071	0.15	3.02	4.09	0.06
MV35177	MV35177	51.13	Max WS	IC TR200 TP24H	0.71	25.20	26.84		26.84	0.000064	0.15	4.64	5.80	0.05
MV35177	MV35177	51.13	Max WS	IC TR030 TP24H	0.47	25.20	26.52		26.52	0.000073	0.15	3.07	4.12	0.06
MV35177	MV35177	51.13	Max WS	IC TR200 TP36H	0.75	25.20	26.81		26.81	0.000076	0.17	4.49	5.60	0.06
MV35177	MV35177	51.13	Max WS	IC TR030 TP36H	0.47	25.20	26.52		26.52	0.000072	0.15	3.08	4.13	0.06
MV35177	MV35177	51.13	Max WS	IC TR030 TP01H	0.21	25.20	26.47		26.47	0.000018	0.07	2.85	3.96	0.03
MV35177	MV35177	51.13	Max WS	IC TR200 TP01H	0.22	25.20	26.56		26.56	0.000013	0.07	3.24	4.23	0.02
MV35177	MV35177	51.13	Max WS	IC TR030 TP03H	0.06	25.20	26.26		26.26	0.000003	0.03	2.08	3.36	0.01
MV35177	MV35177	51.13	Max WS	IC TR200 TP03H	0.72	25.20	26.75		26.76	0.000084	0.17	4.17	5.39	0.06
MV35177	MV35177	51.13	Max WS	IC TR200 TP06H	0.77	25.20	26.85		26.85	0.000075	0.16	4.69	5.90	0.06
MV35177	MV35177	51.13	Max WS	IC TR030 TP06H	0.16	25.20	26.44		26.44	0.000011	0.06	2.74	3.88	0.02
MV35177	MV35177	51.13	Max WS	IC TR030 TP09H	0.12	25.20	26.37		26.37	0.000008	0.05	2.48	3.68	0.02
MV35177	MV35177	51.13	Max WS	IC TR200 TP09H	0.79	25.20	26.86		26.86	0.000078	0.17	4.76	6.08	0.06
MV35177	MV35177	51.125	Max WS	IC TR200 TP18H	0.66	25.16	26.82		26.82	0.000065	0.14	4.84	7.59	0.05
MV35177	MV35177													

HEC-RAS Profile: Max WS (Continued)

River	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
MV35177	MV35177	51.12	Max WS	IC TR200 TP01H	0.22	25.13	26.56		26.56	0.000011	0.06	3.51	4.29	0.02
MV35177	MV35177	51.12	Max WS	IC TR030 TP03H	0.06	25.13	26.26		26.26	0.000002	0.02	2.35	3.45	0.01
MV35177	MV35177	51.12	Max WS	IC TR200 TP03H	0.67	25.13	26.75		26.75	0.000077	0.14	4.90	8.81	0.06
MV35177	MV35177	51.12	Max WS	IC TR200 TP06H	0.58	25.13	26.85		26.85	0.000036	0.10	5.73	8.99	0.04
MV35177	MV35177	51.12	Max WS	IC TR030 TP06H	0.16	25.13	26.44		26.44	0.000009	0.05	3.02	3.87	0.02
MV35177	MV35177	51.12	Max WS	IC TR030 TP09H	0.12	25.13	26.37		26.37	0.000006	0.04	2.75	3.71	0.02
MV35177	MV35177	51.12	Max WS	IC TR200 TP09H	0.46	25.13	26.86		26.86	0.000021	0.08	5.85	9.00	0.03
MV35177	MV35177	51.1199		Lat Struct										
MV35177	MV35177	51.119	Max WS	IC TR200 TP18H	0.55	25.09	26.82		26.82	0.000038	0.10	5.28	8.35	0.04
MV35177	MV35177	51.119	Max WS	IC TR030 TP18H	0.46	25.09	26.51		26.51	0.000050	0.14	3.37	3.99	0.05
MV35177	MV35177	51.119	Max WS	IC TR200 TP24H	0.54	25.09	26.84		26.84	0.000034	0.10	5.43	8.38	0.04
MV35177	MV35177	51.119	Max WS	IC TR030 TP24H	0.47	25.09	26.52		26.52	0.000052	0.14	3.42	4.01	0.05
MV35177	MV35177	51.119	Max WS	IC TR200 TP36H	0.63	25.09	26.81		26.81	0.000054	0.12	5.20	8.34	0.05
MV35177	MV35177	51.119	Max WS	IC TR030 TP36H	0.47	25.09	26.52		26.52	0.000051	0.14	3.43	4.02	0.05
MV35177	MV35177	51.119	Max WS	IC TR030 TP01H	0.21	25.09	26.47		26.47	0.000012	0.07	3.21	3.90	0.02
MV35177	MV35177	51.119	Max WS	IC TR200 TP01H	0.22	25.09	26.56		26.56	0.000010	0.06	3.58	4.09	0.02
MV35177	MV35177	51.119	Max WS	IC TR030 TP03H	0.06	25.09	26.26		26.26	0.000002	0.02	2.44	3.46	0.01
MV35177	MV35177	51.119	Max WS	IC TR200 TP03H	0.67	25.09	26.75		26.75	0.000080	0.14	4.72	8.16	0.06
MV35177	MV35177	51.119	Max WS	IC TR200 TP06H	0.58	25.09	26.84		26.85	0.000038	0.11	5.50	8.39	0.04
MV35177	MV35177	51.119	Max WS	IC TR030 TP06H	0.16	25.09	26.44		26.44	0.000008	0.05	3.10	3.84	0.02
MV35177	MV35177	51.119	Max WS	IC TR030 TP09H	0.12	25.09	26.37		26.37	0.000006	0.04	2.84	3.70	0.02
MV35177	MV35177	51.119	Max WS	IC TR200 TP09H	0.46	25.09	26.86		26.86	0.000022	0.08	5.60	8.41	0.03
MV35177	MV35177	51.118	Max WS	IC TR200 TP18H	0.59	25.06	26.82		26.82	0.000046	0.12	5.11	7.76	0.05
MV35177	MV35177	51.118	Max WS	IC TR030 TP18H	0.46	25.06	26.51		26.51	0.000047	0.13	3.45	3.95	0.05
MV35177	MV35177	51.118	Max WS	IC TR200 TP24H	0.59	25.06	26.84		26.84	0.000042	0.11	5.25	7.79	0.04
MV35177	MV35177	51.118	Max WS	IC TR030 TP24H	0.47	25.06	26.52		26.52	0.000048	0.14	3.49	3.97	0.05
MV35177	MV35177	51.118	Max WS	IC TR200 TP36H	0.66	25.06	26.81		26.81	0.000061	0.13	5.03	7.74	0.05
MV35177	MV35177	51.118	Max WS	IC TR030 TP36H	0.47	25.06	26.52		26.52	0.000048	0.14	3.50	3.98	0.05
MV35177	MV35177	51.118	Max WS	IC TR030 TP01H	0.21	25.06	26.47		26.47	0.000011	0.06	3.29	3.87	0.02
MV35177	MV35177	51.118	Max WS	IC TR200 TP01H	0.22	25.06	26.56		26.56	0.000009	0.06	3.66	4.05	0.02
MV35177	MV35177	51.118	Max WS	IC TR030 TP03H	0.06	25.06	26.26		26.26	0.000002	0.02	2.52	3.47	0.01
MV35177	MV35177	51.118	Max WS	IC TR200 TP03H	0.69	25.06	26.75		26.75	0.000085	0.15	4.59	7.52	0.06
MV35177	MV35177	51.118	Max WS	IC TR200 TP06H	0.63	25.06	26.84		26.84	0.000047	0.12	5.31	7.80	0.05
MV35177	MV35177	51.118	Max WS	IC TR030 TP06H	0.16	25.06	26.44		26.44	0.000007	0.05	3.18	3.82	0.02
MV35177	MV35177	51.118	Max WS	IC TR030 TP09H	0.12	25.06	26.37		26.37	0.000005	0.04	2.92	3.69	0.01
MV35177	MV35177	51.118	Max WS	IC TR200 TP09H	0.52	25.06	26.86		26.86	0.000029	0.10	5.41	7.82	0.04
MV35177	MV35177	51.116	Max WS	IC TR200 TP18H	0.81	25.03	26.81		26.82	0.000086	0.16	4.98	7.12	0.06
MV35177	MV35177	51.116	Max WS	IC TR030 TP18H	0.53	25.03	26.50		26.51	0.000057	0.15	3.53	3.92	0.05
MV35177	MV35177	51.116	Max WS	IC TR200 TP24H	0.77	25.03	26.83		26.84	0.000073	0.15	5.12	7.19	0.06
MV35177	MV35177	51.116	Max WS	IC TR030 TP24H	0.55	25.03	26.52		26.52	0.000060	0.15	3.57	3.94	0.05
MV35177	MV35177	51.116	Max WS	IC TR200 TP36H	0.85	25.03	26.81		26.81	0.000099	0.17	4.92	7.08	0.07
MV35177	MV35177	51.116	Max WS	IC TR030 TP36H	0.55	25.03	26.52		26.52	0.000060	0.15	3.58	3.94	0.05
MV35177	MV35177	51.116	Max WS	IC TR030 TP01H	0.21	25.03	26.46		26.47	0.000010	0.06	3.37	3.85	0.02
MV35177	MV35177	51.116	Max WS	IC TR200 TP01H	0.22	25.03	26.56		26.56	0.000008	0.06	3.74	4.01	0.02
MV35177	MV35177	51.116	Max WS	IC TR030 TP03H	0.06	25.03	26.26		26.26	0.000002	0.02	2.61	3.49	0.01
MV35177	MV35177	51.116	Max WS	IC TR200 TP03H	0.88	25.03	26.75		26.75	0.000091	0.19	4.53	4.80	0.06
MV35177	MV35177	51.116	Max WS	IC TR200 TP06H	0.82	25.03	26.84		26.84	0.000080	0.16	5.17	7.21	0.06
MV35177	MV35177	51.116	Max WS	IC TR030 TP06H	0.16	25.03	26.44		26.44	0.000007	0.05	3.27	3.80	0.02
MV35177	MV35177	51.116	Max WS	IC TR030 TP09H	0.12	25.03	26.37		26.37	0.000005	0.04	3.01	3.69	0.01
MV35177	MV35177	51.116	Max WS	IC TR200 TP09H	0.73	25.03	26.86		26.86	0.000060	0.14	5.27	7.23	0.05
MV35177	MV35177	51.115	Max WS	IC TR200 TP18H	0.92	25.00	26.81		26.81	0.000099	0.19	4.91	6.11	0.07
MV35177	MV35177	51.115	Max WS	IC TR030 TP18H	0.67	25.00	26.50		26.50	0.000086	0.18	3.60	3.90	0.06
MV35177	MV35177	51.115	Max WS	IC TR200 TP24H	0.90	25.00	26.83		26.83	0.000096	0.18	5.04	6.54	0.07
MV35177	MV35177	51.115	Max WS	IC TR030 TP24H	0.69	25.00	26.51		26.52	0.000089	0.19	3.65	3.91	0.06
MV35177	MV35177	51.115	Max WS	IC TR200 TP36H	0.98	25.00	26.80		26.80	0.000102	0.20	4.85	5.39	0.07
MV35177	MV35177	51.115	Max WS	IC TR030 TP36H	0.69	25.00	26.52		26.52	0.000089	0.19	3.66	3.92	0.06
MV35177	MV35177	51.115	Max WS	IC TR030 TP01H	0.21	25.00	26.46		26.47	0.000010	0.06	3.46	3.84	0.02
MV35177	MV35177	51.115	Max WS	IC TR200 TP01H	0.19	25.00	26.56		26.56	0.000006	0.05	3.83	3.99	0.02
MV35177	MV35177	51.115	Max WS	IC TR030 TP03H	0.06	25.00	26.26		26.26	0.000001	0.02	2.69	3.50	0.01
MV35177	MV35177	51.115	Max WS	IC TR200 TP03H	1.06	25.00	26.74		26.74	0.000115	0.23	4.58	4.29	0.07
MV35177	MV35177	51.115	Max WS	IC TR200 TP06H	0.96	25.00	26.84		26.84	0.000106	0.19	5.08	6.57	0.07
MV35177	MV35177	51.115	Max WS	IC TR030 TP06H	0.16	25.00	26.44		26.44	0.000006	0.05	3.35	3.79	0.02
MV35177	MV35177	51.115	Max WS	IC TR030 TP09H	0.12	25.00	26.37		26.37	0.000004	0.04	3.09	3.69	0.01
MV35177	MV35177	51.115	Max WS	IC TR200 TP09H	0.88	25.00	26.85		26.85	0.000084	0.17	5.17	6.62	0.06
MV35177	MV35177	51.114	Max WS	IC TR200 TP18H	0.92	24.97	26.81		26.81	0.000071	0.19	4.96	4.39	0.06
MV35177	MV35177	51.114	Max WS	IC TR030 TP18H	0.67	24.97	26.50		26.50	0.000081	0.18	3.69	3.88	0.06
MV35177	MV35177	51.114	Max WS	IC TR200 TP24H	0.91	24.97	26.83		26.83	0.000066	0.18	5.05	4.48	0.05
MV35177	MV35177	51.114	Max WS	IC TR030 TP24H	0.69	24.97	26.51		26.51	0.000084	0.18	3.73	3.90	0.06
MV35177	MV35177	51.114	Max WS	IC TR200 TP36H	0.98	24.97	26.80		26.80	0.000080	0.20	4.92	4.35	0.06
MV35177	MV35177	51.114	Max WS	IC TR030 TP36H	0.69	24.97	26.51		26.52	0.000084	0.18	3.74	3.90	0.06
MV35177	MV35177	51.114	Max WS	IC TR030 TP01H	0.21	24.97	26.46		26.46	0.000009	0.06	3.55	3.83	0.02
MV35177	MV35177	51.114	Max WS	IC TR200 TP01H	0.19	24.97	26.56		26.56	0.000006	0.05	3.92	3.97	0.02
MV35177	MV35177	51.114	Max WS	IC TR030 TP03H	0.06	24.97	26.26		26.26	0.000001	0.02	2.78	3.52	0.01
MV35177	MV35177	51.114	Max WS	IC TR200 TP03H	1.06	24.97	26.74		26.74	0.000110	0.23	4.66	4.23	0.07
MV35177	MV35177	51.114	Max WS	IC TR200 TP06H	0.98	24.97	26.84		26.84	0.000076	0.19	5.07	4.50	0.06
MV35177	MV35177	51.114	Max WS	IC TR030 TP06H	0.16	24.97	26.44		26.44	0.000006	0.05	3.44	3.79	0.02
MV35177	MV35177	51.114	Max WS	IC TR030 TP09H	0.12	24.97	26.37		26.37	0.000004	0.04	3.19	3.69	0.01
MV35177	MV35177	51.114	Max WS	IC TR200 TP09H	0.91	24.97	26.85		26.85	0.000074	0.18	5.15	5.38	0.06
MV35177	MV35177	51.113	Max WS	IC TR200 TP18H	0.89	24.94	26.81		26.81	0.000062	0.18	5.04	4.30	0.05
MV35177	MV35177	51.113	Max WS	IC TR030 TP18H	0.72	24.94	26.50		26.50	0.000088	0.19	3.77	3.87	0.06
MV35177	MV35177	51.113	Max WS	IC TR200 TP24H	0.89	24.94	26.83		26.83	0				

HEC-RAS Profile: Max WS (Continued)

River	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
MV35177	MV35177	51.111	Max WS	IC TR030 TP06H	0.16	24.90	26.44		26.44	0.000005	0.04	3.63	3.78	0.01
MV35177	MV35177	51.111	Max WS	IC TR030 TP09H	0.12	24.90	26.37		26.37	0.000003	0.04	3.37	3.69	0.01
MV35177	MV35177	51.111	Max WS	IC TR200 TP09H	1.18	24.90	26.85		26.85	0.000096	0.22	5.28	4.32	0.06
MV35177	MV35177	51.111	Max WS	IC TR200 TP18H	1.41	24.87	26.80		26.80	0.000175	0.28	5.09	5.04	0.09
MV35177	MV35177	51.111	Max WS	IC TR030 TP18H	0.85	24.87	26.49		26.50	0.000139	0.23	3.69	3.98	0.08
MV35177	MV35177	51.111	Max WS	IC TR200 TP24H	1.40	24.87	26.82		26.82	0.000164	0.27	5.19	5.11	0.09
MV35177	MV35177	51.111	Max WS	IC TR030 TP24H	0.88	24.87	26.50		26.51	0.000146	0.24	3.74	4.02	0.08
MV35177	MV35177	51.111	Max WS	IC TR200 TP36H	1.42	24.87	26.79		26.80	0.000182	0.28	5.05	5.01	0.09
MV35177	MV35177	51.111	Max WS	IC TR030 TP36H	0.89	24.87	26.51		26.51	0.000147	0.24	3.75	4.03	0.08
MV35177	MV35177	51.111	Max WS	IC TR030 TP01H	0.21	24.87	26.46		26.46	0.000009	0.06	3.58	3.88	0.02
MV35177	MV35177	51.111	Max WS	IC TR200 TP01H	0.19	24.87	26.56		26.56	0.000006	0.05	3.96	4.21	0.02
MV35177	MV35177	51.111	Max WS	IC TR030 TP03H	0.06	24.87	26.26		26.26	0.000001	0.02	2.83	3.37	0.01
MV35177	MV35177	51.111	Max WS	IC TR200 TP03H	1.52	24.87	26.73		26.73	0.000246	0.32	4.73	4.81	0.10
MV35177	MV35177	51.111	Max WS	IC TR200 TP06H	1.57	24.87	26.82		26.83	0.000205	0.30	5.22	5.12	0.10
MV35177	MV35177	51.111	Max WS	IC TR030 TP06H	0.16	24.87	26.44		26.44	0.000006	0.05	3.47	3.81	0.02
MV35177	MV35177	51.111	Max WS	IC TR030 TP09H	0.12	24.87	26.37		26.37	0.000004	0.04	3.22	3.64	0.01
MV35177	MV35177	51.111	Max WS	IC TR200 TP09H	1.53	24.87	26.84		26.84	0.000189	0.29	5.29	5.17	0.09
MV35177	MV35177	51.109	Max WS	IC TR200 TP18H	1.43	24.87	26.79		26.80	0.000213	0.49	2.90	4.22	0.12
MV35177	MV35177	51.109	Max WS	IC TR030 TP18H	0.85	24.87	26.49		26.49	0.000138	0.35	2.42	3.84	0.09
MV35177	MV35177	51.109	Max WS	IC TR200 TP24H	1.42	24.87	26.81		26.82	0.000203	0.48	2.94	4.25	0.11
MV35177	MV35177	51.109	Max WS	IC TR030 TP24H	0.88	24.87	26.50		26.51	0.000146	0.36	2.44	3.86	0.09
MV35177	MV35177	51.109	Max WS	IC TR200 TP36H	1.43	24.87	26.78		26.79	0.000218	0.50	2.89	4.21	0.12
MV35177	MV35177	51.109	Max WS	IC TR030 TP36H	0.89	24.87	26.50		26.51	0.000148	0.36	2.44	3.86	0.09
MV35177	MV35177	51.109	Max WS	IC TR030 TP01H	0.21	24.87	26.46		26.46	0.000009	0.09	2.38	3.81	0.02
MV35177	MV35177	51.109	Max WS	IC TR200 TP01H	0.19	24.87	26.56		26.56	0.000006	0.07	2.53	3.93	0.02
MV35177	MV35177	51.109	Max WS	IC TR030 TP03H	0.06	24.87	26.26		26.26	0.000001	0.03	2.05	3.56	0.01
MV35177	MV35177	51.109	Max WS	IC TR200 TP03H	1.52	24.87	26.71		26.73	0.000281	0.55	2.78	4.12	0.13
MV35177	MV35177	51.109	Max WS	IC TR200 TP06H	1.60	24.87	26.81		26.83	0.000256	0.54	2.94	4.25	0.13
MV35177	MV35177	51.109	Max WS	IC TR030 TP06H	0.16	24.87	26.44		26.44	0.000006	0.07	2.34	3.78	0.02
MV35177	MV35177	51.109	Max WS	IC TR030 TP09H	0.12	24.87	26.37		26.37	0.000004	0.05	2.23	3.69	0.01
MV35177	MV35177	51.109	Max WS	IC TR200 TP09H	1.54	24.87	26.83		26.84	0.000233	0.52	2.96	4.27	0.12
MV35177	MV35177	51.105												
MV35177	MV35177	51.101			Culvert									
MV35177	MV35177	51.101	Max WS	IC TR200 TP18H	1.30	24.75	26.55		26.57	0.000979	0.51	2.55	1.65	0.13
MV35177	MV35177	51.101	Max WS	IC TR030 TP18H	0.85	24.75	26.40		26.41	0.000536	0.37	2.30	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP24H	1.37	24.75	26.56		26.58	0.001063	0.53	2.57	1.65	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP24H	0.88	24.75	26.40		26.41	0.000576	0.38	2.31	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP36H	1.40	24.75	26.53		26.55	0.001173	0.56	2.51	1.64	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP36H	0.89	24.75	26.40		26.41	0.000585	0.39	2.31	1.60	0.10
MV35177	MV35177	51.101	Max WS	IC TR030 TP01H	0.21	24.75	26.46		26.46	0.000029	0.09	2.40	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR200 TP01H	0.19	24.75	26.55		26.55	0.000020	0.07	2.55	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP03H	0.06	24.75	26.25		26.25	0.000003	0.03	2.07	1.56	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP03H	-0.02	24.75	26.64		26.64	0.000000	-0.01	2.70	1.68	0.00
MV35177	MV35177	51.101	Max WS	IC TR200 TP06H	0.19	24.75	26.55		26.55	0.000020	0.07	2.54	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP06H	0.16	24.75	26.43		26.43	0.000018	0.07	2.36	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP09H	0.12	24.75	26.36		26.37	0.000012	0.05	2.25	1.58	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP09H	1.26	24.75	26.58		26.59	0.000877	0.48	2.60	1.66	0.12
MV35177	MV35177	51.101	Max WS	IC TR200 TP18H	1.30	24.75	26.55		26.57	0.000979	0.51	2.55	1.65	0.13
MV35177	MV35177	51.101	Max WS	IC TR030 TP18H	0.85	24.75	26.40		26.41	0.000536	0.37	2.30	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP24H	1.37	24.75	26.56		26.58	0.001063	0.53	2.57	1.65	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP24H	0.88	24.75	26.40		26.41	0.000576	0.38	2.31	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP36H	1.40	24.75	26.53		26.55	0.001173	0.56	2.51	1.64	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP36H	0.89	24.75	26.40		26.41	0.000585	0.39	2.31	1.60	0.10
MV35177	MV35177	51.101	Max WS	IC TR030 TP01H	0.21	24.75	26.46		26.46	0.000029	0.09	2.40	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR200 TP01H	0.19	24.75	26.55		26.55	0.000020	0.07	2.55	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP03H	0.06	24.75	26.25		26.25	0.000003	0.03	2.07	1.56	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP03H	-0.02	24.75	26.64		26.64	0.000000	-0.01	2.70	1.68	0.00
MV35177	MV35177	51.101	Max WS	IC TR200 TP06H	0.19	24.75	26.55		26.55	0.000020	0.07	2.54	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP06H	0.16	24.75	26.43		26.43	0.000018	0.07	2.36	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP09H	0.12	24.75	26.36		26.37	0.000012	0.05	2.25	1.58	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP09H	1.26	24.75	26.58		26.59	0.000875	0.48	2.60	1.66	0.12
MV35177	MV35177	51.101	Max WS	IC TR200 TP18H	1.30	24.75	26.55		26.57	0.000979	0.51	2.55	1.65	0.13
MV35177	MV35177	51.101	Max WS	IC TR030 TP18H	0.85	24.75	26.40		26.41	0.000536	0.37	2.30	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP24H	1.37	24.75	26.56		26.58	0.001063	0.53	2.57	1.65	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP24H	0.88	24.75	26.40		26.41	0.000576	0.38	2.31	1.59	0.10
MV35177	MV35177	51.101	Max WS	IC TR200 TP36H	1.40	24.75	26.53		26.55	0.001173	0.56	2.51	1.64	0.14
MV35177	MV35177	51.101	Max WS	IC TR030 TP36H	0.89	24.75	26.40		26.41	0.000585	0.39	2.31	1.60	0.10
MV35177	MV35177	51.101	Max WS	IC TR030 TP01H	0.21	24.75	26.46		26.46	0.000029	0.09	2.40	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR200 TP01H	0.19	24.75	26.55		26.55	0.000020	0.07	2.55	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP03H	0.06	24.75	26.25		26.25	0.000003	0.03	2.07	1.56	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP03H	-0.02	24.75	26.64		26.64	0.000000	-0.01	2.70	1.68	0.00
MV35177	MV35177	51.101	Max WS	IC TR200 TP06H	0.19	24.75	26.55		26.55	0.000020	0.07	2.54	1.65	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP06H	0.16	24.75	26.43		26.43	0.000018	0.07	2.36	1.61	0.02
MV35177	MV35177	51.101	Max WS	IC TR030 TP09H	0.12	24.75	26.36		26.37	0.000012	0.05	2.25	1.58	0.01
MV35177	MV35177	51.101	Max WS	IC TR200 TP09H	1.26	24.75	26.58		26.59	0.000875	0.48	2.60	1.66	0.12
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR200 TP18H	0.37	32.26	32.43	32.44	32.54	0.007177	1.49	0.25	1.50	1.17
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR030 TP18H	0.18	32.26	32.35	32.37	32.44	0.010210	1.28	0.14	1.50	1.34
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR200 TP24H	0.27	32.26	32.39	32.41	32.49	0.008572	1.42	0.19	1.50	1.26
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR030 TP24H	0.11	32.26	32.32	32.34	32.40	0.017075	1.26	0.09	1.50	1.65
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR200 TP36H	0.16	32.26	32.35	32.37	32.43	0.011199	1.27	0.13	1.50	1.39
Montecuccoli	Montecuccoli1	71.305	Max WS	IC TR030 TP36H	0.05	32.26	32.29	32.31	32.35	0.028554	1.08	0.05	1.50	1.

HEC-RAS Profile: Max WS (Continued)

River	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
Montecuccoli	Montecuccoli1	71.304	Max WS	IC TR030 TP06H	0.83	32.11	32.58	32.42	32.65	0.001673	1.19	0.70	1.50	0.56
Montecuccoli	Montecuccoli1	71.304	Max WS	IC TR030 TP09H	0.56	32.11	32.47	32.35	32.52	0.001611	1.04	0.54	1.50	0.56
Montecuccoli	Montecuccoli1	71.304	Max WS	IC TR200 TP09H	0.92	32.11	32.61	32.45	32.69	0.001693	1.23	0.75	1.50	0.56
Montecuccoli	Montecuccoli1	71.3035												
					Inl Struct									
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP18H	0.37	31.16	31.66		31.68	0.000269	0.49	0.75	1.50	0.22
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP18H	0.18	31.16	31.49		31.50	0.000213	0.37	0.50	1.50	0.20
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP24H	0.27	31.16	31.58		31.59	0.000245	0.43	0.63	1.50	0.21
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP24H	0.11	31.16	31.41		31.42	0.000179	0.29	0.38	1.50	0.19
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP36H	0.17	31.16	31.48		31.48	0.000215	0.36	0.47	1.50	0.20
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP36H	0.05	31.16	31.32		31.33	0.000137	0.20	0.24	1.50	0.16
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP01H	1.55	31.16	33.26		33.28	0.000111	0.47	3.27	1.70	0.11
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP01H	1.59	31.16	33.42		33.43	0.000099	0.45	3.56	1.90	0.10
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP03H	0.18	31.16	31.49		31.50	0.000217	0.37	0.50	1.50	0.20
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP03H	1.51	31.16	33.05		33.06	0.000142	0.52	2.90	1.70	0.13
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP06H	1.30	31.16	32.46		32.48	0.000271	0.67	1.95	1.50	0.19
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP06H	0.83	31.16	32.03		32.05	0.000305	0.64	1.31	1.50	0.22
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR030 TP09H	0.56	31.16	31.81		31.83	0.000296	0.57	0.98	1.50	0.22
Montecuccoli	Montecuccoli1	71.303	Max WS	IC TR200 TP09H	0.92	31.16	32.10		32.13	0.000302	0.65	1.42	1.50	0.21
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP18H	0.37	31.16	31.66		31.68	0.000230	0.47	0.79	1.75	0.22
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP18H	0.18	31.16	31.49		31.50	0.000203	0.36	0.50	1.63	0.21
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP24H	0.27	31.16	31.58		31.59	0.000221	0.42	0.65	1.69	0.22
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP24H	0.11	31.16	31.41		31.42	0.000179	0.30	0.38	1.57	0.19
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP36H	0.17	31.16	31.47		31.48	0.000199	0.35	0.47	1.62	0.21
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP36H	0.05	31.16	31.32		31.33	0.000145	0.21	0.24	1.51	0.17
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP01H	1.55	31.16	33.27		33.27	0.000040	0.35	4.48	2.75	0.09
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP01H	1.57	31.16	33.43		33.43	0.000032	0.32	4.92	2.75	0.08
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP03H	0.18	31.16	31.49		31.50	0.000204	0.36	0.50	1.63	0.21
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP03H	1.51	31.16	33.05		33.06	0.000055	0.39	3.88	2.71	0.10
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP06H	1.30	31.16	32.46		32.48	0.000141	0.54	2.41	2.30	0.17
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP06H	0.83	31.16	32.03		32.05	0.000205	0.56	1.49	2.01	0.21
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR030 TP09H	0.56	31.16	31.81		31.83	0.000229	0.52	1.06	1.85	0.22
Montecuccoli	Montecuccoli1	71.302	Max WS	IC TR200 TP09H	0.92	31.16	32.11		32.12	0.000195	0.56	1.64	2.06	0.20
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP18H	0.37	31.16	31.65		31.67	0.000233	0.63	0.59	1.74	0.29
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP18H	0.18	31.16	31.49		31.50	0.000221	0.47	0.39	1.63	0.26
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP24H	0.27	31.16	31.57		31.59	0.000231	0.56	0.49	1.68	0.28
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP24H	0.11	31.16	31.41		31.42	0.000203	0.38	0.30	1.57	0.24
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP36H	0.17	31.16	31.47		31.48	0.000218	0.45	0.37	1.61	0.26
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP36H	0.05	31.16	31.32		31.32	0.000174	0.26	0.19	1.51	0.21
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP01H	1.55	31.16	33.25		33.27	0.000032	0.62	2.49	2.75	0.14
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP01H	1.57	31.16	33.41		33.43	0.000198	0.55	2.85	2.75	0.17
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP03H	0.18	31.16	31.49		31.50	0.000221	0.47	0.39	1.63	0.26
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP03H	1.51	31.16	33.03		33.05	0.000045	0.68	2.23	2.69	0.16
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP06H	1.23	31.16	32.44		32.47	0.000107	0.81	1.52	2.28	0.23
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP06H	0.83	31.16	32.01		32.05	0.000188	0.82	1.01	1.99	0.28
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR030 TP09H	0.56	31.16	31.80		31.83	0.000221	0.73	0.76	1.84	0.29
Montecuccoli	Montecuccoli1	71.3	Max WS	IC TR200 TP09H	0.92	31.16	32.08		32.12	0.000175	0.84	1.10	2.04	0.28
Montecuccoli	Montecuccoli1	71.2995												
					Culvert									
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP18H	0.37	28.22	28.72		28.82	0.024957	1.43	0.26	0.87	0.82
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP18H	0.18	28.22	28.56		28.64	0.026299	1.25	0.15	0.81	0.82
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP24H	0.27	28.22	28.64		28.74	0.024640	1.34	0.20	0.70	0.79
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP24H	0.11	28.22	28.49		28.54	0.023745	1.06	0.11	0.54	0.77
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP36H	0.17	28.22	28.54		28.62	0.025906	1.21	0.14	0.60	0.81
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP36H	0.05	28.22	28.40		28.43	0.021552	0.83	0.06	0.46	0.73
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP01H	1.54	28.22	29.14		29.40	0.025660	2.25	0.68	2.68	0.89
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP01H	1.65	28.22	29.19		29.45	0.024399	2.26	0.73	2.68	0.87
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP03H	0.18	28.22	28.56		28.64	0.026072	1.24	0.15	0.81	0.81
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP03H	1.51	28.22	29.14		29.39	0.025148	2.22	0.68	2.68	0.88
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP06H	1.30	28.22	29.07		29.31	0.025766	2.14	0.61	2.68	0.90
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP06H	0.83	28.22	28.90	28.89	29.09	0.029213	1.93	0.43	1.60	0.95
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR030 TP09H	0.56	28.22	28.81		28.95	0.026100	1.65	0.34	1.22	0.87
Montecuccoli	Montecuccoli1	71.2992	Max WS	IC TR200 TP09H	0.92	28.22	28.94	28.92	29.13	0.028179	1.97	0.47	1.76	0.94
Montecuccoli	Montecuccoli1	71.29912			Lat Struct									
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP18H	0.37	28.10	28.66		28.71	0.009333	1.00	0.37	1.15	0.56
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP18H	0.18	28.10	28.43		28.49	0.019179	1.11	0.16	0.74	0.76
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP24H	0.27	28.10	28.57		28.62	0.009793	0.95	0.29	0.97	0.56
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP24H	0.11	28.10	28.34		28.40	0.024110	1.07	0.10	0.61	0.83
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP36H	0.16	28.10	28.41		28.47	0.021101	1.12	0.15	0.71	0.79
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP36H	0.05	28.10	28.25		28.30	0.028899	0.92	0.05	0.49	0.89
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP01H	1.53	28.10	28.99		29.09	0.014875	1.38	1.11	3.68	0.81
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP01H	1.52	28.10	29.05		29.12	0.008629	1.15	1.31	3.77	0.62
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP03H	0.18	28.10	28.43		28.49	0.019324	1.11	0.16	0.74	0.76
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP03H	1.53	28.10	29.02		29.10	0.011403	1.27	1.21	3.72	0.71
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP06H	1.30	28.10	28.95		29.04	0.017463	1.38	0.95	3.60	0.86
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP06H	0.83	28.10	28.83		28.91	0.013909	1.29	0.64	2.06	0.74
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR030 TP09H	0.56	28.10	28.75		28.81	0.011165	1.12	0.49	1.57	0.64
Montecuccoli	Montecuccoli1	71.29911	Max WS	IC TR200 TP09H	0.92	28.10	28.88		28.96	0.011690	1.21	0.76	2.46	0.69
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR200 TP18H	0.36	27.72	28.58		28.59	0.000858	0.38	0.94	2.34	0.19
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR030 TP18H	0.18	27.72	28.26		28.27	0.001662	0.44	0.40	1.23	0.24
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR200 TP24H	0.27	27.72	28.50		28.50	0.000766	0.35	0.77	1.88	0.18
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR030 TP24H	0.11	27.72	28.14		28.15	0.001808	0.41	0.27	0.94	0.25
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR200 TP36H	0.16	27.72	28.22		28.23	0.001877	0.45	0.36	1.12	0.26
Montecuccoli	Montecuccoli1	71.299	Max WS	IC TR030 TP36H	0.05	27.72	28.02		28.03	0.001217	0.29	0.17	0.79</	

HEC-RAS Profile: Max WS (Continued)

River	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
Montecuccoli	Montecuccoli1	71.298	Max WS	IC TR030 TP06H	0.83	27.67	28.67		28.69	0.002617	0.58	1.44	5.04	0.34
Montecuccoli	Montecuccoli1	71.298	Max WS	IC TR030 TP09H	0.55	27.67	28.64		28.65	0.001417	0.43	1.27	4.22	0.25
Montecuccoli	Montecuccoli1	71.298	Max WS	IC TR200 TP09H	0.89	27.67	28.77		28.78	0.001224	0.45	1.99	5.79	0.24
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP18H	0.98	27.33	28.51		28.53	0.005215	0.75	1.31	4.85	0.46
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP18H	0.36	27.33	28.21		28.22	0.002389	0.56	0.64	1.60	0.28
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP24H	0.74	27.33	28.45		28.47	0.002421	0.67	1.10	2.23	0.31
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP24H	0.23	27.33	28.08		28.09	0.002482	0.51	0.45	1.26	0.27
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP36H	0.31	27.33	28.16		28.18	0.002427	0.54	0.57	1.48	0.28
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP36H	0.16	27.33	27.96		27.99	0.002365	0.46	0.34	1.00	0.25
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP01H	3.48	27.33	28.73		28.83	0.009612	1.43	2.44	5.23	0.67
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP01H	4.93	27.33	28.82		28.96	0.011325	1.70	2.90	5.38	0.74
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP03H	0.35	27.33	28.20		28.22	0.002428	0.56	0.63	1.59	0.28
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP03H	4.01	27.33	28.78		28.89	0.009139	1.48	2.72	5.32	0.66
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP06H	2.71	27.33	28.71		28.78	0.006699	1.17	2.33	5.20	0.56
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP06H	1.55	27.33	28.59		28.63	0.005346	0.89	1.75	5.00	0.48
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR030 TP09H	1.35	27.33	28.57		28.60	0.005179	0.84	1.61	4.96	0.47
Montecuccoli	Montecuccoli2	71.29	Max WS	IC TR200 TP09H	2.31	27.33	28.67		28.73	0.006449	1.09	2.12	5.13	0.54
Montecuccoli	Montecuccoli2	71.2899												
					Lat Struct									
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP18H	0.74	27.35	28.47		28.47	0.000974	0.36	2.04	7.05	0.21
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP18H	0.35	27.35	28.15		28.16	0.002479	0.53	0.67	2.25	0.31
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP24H	0.68	27.35	28.41		28.42	0.001633	0.42	1.63	6.65	0.27
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP24H	0.23	27.35	28.02		28.03	0.002361	0.52	0.44	1.27	0.28
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP36H	0.30	27.35	28.10		28.12	0.002337	0.53	0.57	1.88	0.31
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP36H	0.16	27.35	27.92		27.93	0.002355	0.48	0.33	1.06	0.27
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP01H	1.72	27.35	28.70		28.71	0.000824	0.44	3.88	8.60	0.21
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP01H	2.65	27.35	28.79		28.81	0.001158	0.57	4.66	9.18	0.25
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP03H	0.35	27.35	28.15		28.16	0.002503	0.53	0.66	2.22	0.31
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP03H	2.11	27.35	28.77		28.78	0.000847	0.48	4.43	9.01	0.22
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP06H	1.30	27.35	28.69		28.69	0.000515	0.35	3.76	8.51	0.17
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP06H	0.78	27.35	28.56		28.57	0.000468	0.29	2.74	7.67	0.15
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR030 TP09H	0.75	27.35	28.53		28.53	0.000574	0.30	2.49	7.45	0.17
Montecuccoli	Montecuccoli2	71.289	Max WS	IC TR200 TP09H	1.06	27.35	28.64		28.65	0.000464	0.31	3.38	8.21	0.16
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP18H	0.69	27.38	28.45		28.45	0.000749	0.27	2.58	11.81	0.18
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP18H	0.35	27.38	28.05		28.07	0.004916	0.74	0.48	1.48	0.41
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP24H	0.64	27.38	28.37		28.37	0.001785	0.37	1.72	9.13	0.27
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP24H	0.23	27.38	27.91		27.93	0.005218	0.73	0.31	0.90	0.39
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP36H	0.30	27.38	27.99		28.02	0.005361	0.75	0.40	1.24	0.42
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP36H	0.16	27.38	27.82		27.84	0.004972	0.65	0.24	0.80	0.38
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP01H	1.98	27.38	28.69		28.69	0.000592	0.31	6.31	19.61	0.18
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP01H	3.14	27.38	28.77		28.78	0.000713	0.40	7.91	19.71	0.20
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP03H	0.35	27.38	28.04		28.07	0.005050	0.74	0.47	1.45	0.42
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP03H	2.53	27.38	28.75		28.75	0.000543	0.34	7.53	19.71	0.17
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP06H	1.55	27.38	28.68		28.68	0.000391	0.25	6.13	19.31	0.14
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP06H	0.86	27.38	28.55		28.55	0.000377	0.22	3.96	15.19	0.14
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR030 TP09H	0.79	27.38	28.52		28.52	0.000459	0.23	3.46	14.06	0.15
Montecuccoli	Montecuccoli2	71.28	Max WS	IC TR200 TP09H	1.27	27.38	28.63		28.64	0.000383	0.24	5.31	17.86	0.14
Montecuccoli	Montecuccoli2	71.2798												
					Lat Struct									
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP18H	0.86	27.26	28.44		28.44	0.000189	0.20	4.24	10.58	0.10
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP18H	0.35	27.26	27.96		27.97	0.003014	0.47	0.74	3.88	0.35
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP24H	0.72	27.26	28.34		28.35	0.000260	0.22	3.30	9.47	0.12
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP24H	0.23	27.26	27.82		27.83	0.002128	0.50	0.45	1.40	0.28
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP36H	0.30	27.26	27.90		27.92	0.001943	0.52	0.58	1.63	0.28
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP36H	0.16	27.26	27.73		27.75	0.002018	0.45	0.35	1.18	0.27
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP01H	1.02	27.26	28.68		28.69	0.000056	0.15	6.97	11.06	0.06
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP01H	1.45	27.26	28.77		28.77	0.000075	0.18	7.90	11.06	0.07
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP03H	0.35	27.26	27.95		27.97	0.003019	0.48	0.72	3.63	0.35
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP03H	1.04	27.26	28.75		28.75	0.000043	0.14	6.68	11.06	0.05
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP06H	0.71	27.26	28.68		28.68	0.000028	0.10	6.88	11.06	0.04
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP06H	0.90	27.26	28.55		28.55	0.000097	0.17	5.44	11.06	0.08
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR030 TP09H	0.93	27.26	28.51		28.51	0.000131	0.18	5.04	11.06	0.09
Montecuccoli	Montecuccoli2	71.279	Max WS	IC TR200 TP09H	0.71	27.26	28.63		28.63	0.000036	0.11	6.38	11.06	0.05
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP18H	0.54	27.15	28.43		28.44	0.000258	0.28	1.89	2.36	0.10
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP18H	0.35	27.15	27.92		27.93	0.001003	0.42	0.83	1.69	0.19
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP24H	0.64	27.15	28.33		28.34	0.000517	0.38	1.65	2.26	0.14
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP24H	0.23	27.15	27.78		27.79	0.000938	0.37	0.61	1.49	0.18
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP36H	0.30	27.15	27.86		27.87	0.000988	0.40	0.74	1.61	0.19
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP36H	0.16	27.15	27.70		27.71	0.000781	0.31	0.50	1.38	0.16
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP01H	1.66	27.15	28.64		28.67	0.001302	0.70	2.39	2.40	0.22
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP01H	2.09	27.15	28.71		28.75	0.001709	0.82	2.56	2.40	0.25
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP03H	0.35	27.15	27.91		27.92	0.001000	0.42	0.82	1.68	0.19
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP03H	1.92	27.15	28.70		28.73	0.001492	0.76	2.53	2.40	0.24
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR200 TP06H	1.53	27.15	28.64		28.66	0.001121	0.64	2.38	2.40	0.21
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP06H	0.79	27.15	28.54		28.54	0.000400	0.37	2.13	2.40	0.13
Montecuccoli	Montecuccoli2	71.27	Max WS	IC TR030 TP										

HEC-RAS Profile: Max WS (Continued)

River	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
Montecucoli	Montecucoli2	71.259	Max WS	IC_TR030_TP06H	0.70	27.15	28.37		28.39	0.000745	0.63	1.11	2.30	0.20
Montecucoli	Montecucoli2	71.259	Max WS	IC_TR030_TP09H	0.71	27.15	28.31		28.33	0.000949	0.68	1.04	2.23	0.22
Montecucoli	Montecucoli2	71.259	Max WS	IC_TR200_TP09H	0.62	27.15	28.54		28.55	0.001059	0.45	1.37	2.40	0.19
Montecucoli	Montecucoli2	71.2589												
Montecucoli	Montecucoli2	71.2588												
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP18H	0.79	27.08	28.18		28.19	0.001353	0.52	1.51	3.10	0.24
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP18H	0.35	27.08	27.84		27.85	0.001618	0.49	0.72	1.56	0.23
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP24H	0.70	27.08	28.10		28.12	0.001614	0.55	1.27	2.74	0.26
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP24H	0.22	27.08	27.73		27.73	0.001072	0.40	0.57	1.09	0.18
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP36H	0.30	27.08	27.80		27.81	0.001441	0.46	0.65	1.36	0.21
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP36H	0.16	27.08	27.66		27.67	0.000729	0.31	0.50	1.04	0.15
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP01H	1.37	27.08	28.57		28.58	0.000597	0.44	3.07	4.60	0.17
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP01H	1.53	27.08	28.66		28.67	0.000526	0.44	3.45	4.60	0.16
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP03H	0.34	27.08	27.84		27.85	0.001595	0.48	0.71	1.54	0.23
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP03H	1.36	27.08	28.65		28.66	0.000425	0.40	3.42	4.60	0.15
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP06H	1.17	27.08	28.59		28.59	0.000415	0.37	3.12	4.60	0.15
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP06H	0.93	27.08	28.34		28.35	0.000822	0.45	2.07	3.83	0.20
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR030_TP09H	0.87	27.08	28.28		28.29	0.000971	0.47	1.84	3.56	0.21
Montecucoli	Montecucoli2	71.25	Max WS	IC_TR200_TP09H	1.12	27.08	28.52		28.53	0.000530	0.40	2.81	4.59	0.16
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP18H	0.80	27.07	28.15		28.16	0.001602	0.56	1.42	2.99	0.26
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP18H	0.35	27.07	27.80		27.82	0.001938	0.53	0.66	1.42	0.25
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP24H	0.71	27.07	28.06		28.08	0.002061	0.60	1.18	2.59	0.28
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP24H	0.22	27.07	27.70		27.71	0.001215	0.41	0.54	1.06	0.18
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP36H	0.30	27.07	27.76		27.78	0.001673	0.49	0.61	1.23	0.22
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP36H	0.16	27.07	27.64		27.65	0.000791	0.32	0.48	1.00	0.15
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP01H	1.60	27.07	28.55		28.56	0.000892	0.53	2.99	4.60	0.21
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP01H	1.80	27.07	28.63		28.65	0.000781	0.53	3.37	4.60	0.20
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP03H	0.34	27.07	27.80		27.81	0.001911	0.52	0.66	1.40	0.24
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP03H	1.68	27.07	28.63		28.64	0.000695	0.50	3.35	4.60	0.19
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP06H	1.52	27.07	28.56		28.58	0.000761	0.50	3.04	4.60	0.20
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP06H	0.99	27.07	28.32		28.33	0.001027	0.50	2.00	3.78	0.22
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR030_TP09H	0.90	27.07	28.26		28.27	0.001152	0.51	1.77	3.49	0.23
Montecucoli	Montecucoli2	71.24	Max WS	IC_TR200_TP09H	1.38	27.07	28.49		28.51	0.000881	0.51	2.73	4.56	0.21
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP18H	0.80	27.31	28.12	27.69	28.15	0.001610	0.69	1.15	2.08	0.27
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP18H	0.35	27.31	27.78	27.54	27.80	0.002351	0.60	0.58	1.56	0.31
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP24H	0.70	27.31	28.03	27.66	28.06	0.001932	0.71	0.99	1.94	0.30
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP24H	0.23	27.31	27.68	27.49	27.69	0.002261	0.52	0.43	1.40	0.30
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP36H	0.30	27.31	27.74	27.52	27.76	0.002342	0.57	0.52	1.50	0.31
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP36H	0.16	27.31	27.63	27.45	27.64	0.001742	0.43	0.36	1.35	0.26
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP01H	1.60	27.31	28.51	27.88	28.55	0.001500	0.86	1.86	2.79	0.28
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP01H	1.80	27.31	28.59	27.92	28.63	0.001466	0.89	2.01	2.94	0.28
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP03H	0.34	27.31	27.78	27.54	27.79	0.002349	0.60	0.58	1.55	0.31
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP03H	1.68	27.31	28.59	27.90	28.63	0.001274	0.83	2.02	2.95	0.26
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP06H	1.52	27.31	28.53	27.87	28.56	0.001280	0.80	1.89	2.82	0.26
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP06H	0.98	27.31	28.29	27.74	28.32	0.001248	0.68	1.45	2.36	0.24
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR030_TP09H	0.89	27.31	28.23	27.72	28.26	0.001275	0.66	1.34	2.24	0.24
Montecucoli	Montecucoli2	71.23	Max WS	IC_TR200_TP09H	1.38	27.31	28.46	27.84	28.49	0.001341	0.78	1.77	2.69	0.26
Montecucoli	Montecucoli2	71.225												
Montecucoli	Montecucoli2	71.22												
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP18H	0.80	27.31	28.05		28.08	0.002245	0.78	1.02	1.97	0.32
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP18H	0.35	27.31	27.66		27.70	0.006297	0.86	0.41	1.38	0.50
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP24H	0.70	27.31	27.95		27.98	0.003020	0.82	0.85	1.81	0.37
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP24H	0.24	27.31	27.55		27.59	0.010048	0.90	0.27	1.26	0.63
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP36H	0.29	27.31	27.62		27.66	0.006484	0.82	0.36	1.34	0.51
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP36H	0.16	27.31	27.48		27.52	0.014080	0.88	0.18	1.18	0.72
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP01H	1.60	27.31	28.39		28.44	0.002318	0.98	1.63	2.55	0.34
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP01H	1.80	27.31	28.45		28.51	0.002330	1.03	1.75	2.67	0.34
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP03H	0.31	27.31	27.63		27.67	0.006510	0.84	0.37	1.35	0.51
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP03H	1.67	27.31	28.48		28.52	0.001822	0.93	1.80	2.72	0.30
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP06H	1.52	27.31	28.43		28.47	0.001804	0.89	1.71	2.62	0.30
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP06H	0.98	27.31	28.23		28.26	0.001554	0.73	1.34	2.25	0.27
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR030_TP09H	0.89	27.31	28.17		28.20	0.001609	0.72	1.24	2.15	0.27
Montecucoli	Montecucoli2	71.22	Max WS	IC_TR200_TP09H	1.38	27.31	28.37		28.41	0.001863	0.86	1.59	2.51	0.30
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP18H	0.79	27.06	28.01		28.04	0.003125	0.73	1.09	2.44	0.35
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP18H	0.35	27.06	27.57		27.61	0.005631	0.83	0.42	0.96	0.40
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP24H	0.70	27.06	27.89		27.92	0.004958	0.86	0.82	1.85	0.41
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP24H	0.22	27.06	27.45		27.48	0.004959	0.70	0.31	0.90	0.38
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP36H	0.29	27.06	27.54		27.57	0.004727	0.74	0.39	0.94	0.37
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP36H	0.15	27.06	27.36		27.38	0.005596	0.66	0.23	0.85	0.41
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP01H	1.60	27.06	28.38		28.40	0.001907	0.70	2.27	4.08	0.30
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP01H	1.80	27.06	28.44		28.47	0.001777	0.71	2.55	4.38	0.30
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP03H	0.31	27.06	27.55		27.58	0.005090	0.77	0.40	0.95	0.38
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP03H	1.67	27.06	28.47		28.49	0.001329	0.62	2.69	4.52	0.26
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP06H	1.52	27.06	28.42		28.44	0.001396	0.62	2.45	4.28	0.26
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP06H	0.98	27.06	28.22		28.24	0.001577	0.58	1.68	3.36	0.26
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR030_TP09H	0.89	27.06	28.15		28.17	0.001797	0.60	1.48	3.08	0.28
Montecucoli	Montecucoli2	71.21	Max WS	IC_TR200_TP09H	1.38	27.06	28.36		28.38	0.001543	0.63	2.19	4.00	0.27
Montecucoli	Montecucoli2	71.2099												
Montecucoli	Montecucoli2	71.2												
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR200_TP18H	0.79	26.95	27.97		27.99	0.001268	0.58	1.36	1.68	0.21
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR030_TP18H	0.31	26.95	27.50		27.52	0.001348	0.47	0.66	1.37	0.22
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR200_TP24H	0.70	26.95	27.82		27.84	0.001662	0.63	1.12	1.58	0.24
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR030_TP24H	0.22	26.95	27.39		27.40	0.001386	0.43	0.50	1.29	0.22
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR200_TP36H	0.29	26.95	27.48		27.49	0.001363	0.47	0.62	1.35	0.22
Montecucoli	Montecucoli2	71.2	Max WS	IC_TR030_TP36H	0.15	26.95</								



HEC-RAS Profile: Max WS (Continued)

River	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
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR200 TP01H	1.80	26.77	28.38		28.39	0.000667	0.44	4.09	6.60	0.18
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR030 TP03H	0.31	26.77	27.45		27.46	0.000674	0.37	0.85	1.46	0.15
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR200 TP03H	1.74	26.77	28.43		28.44	0.000486	0.39	4.43	6.60	0.15
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR200 TP06H	1.58	26.77	28.37		28.37	0.000539	0.39	4.03	6.60	0.16
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR030 TP06H	0.99	26.77	28.16		28.17	0.000803	0.37	2.65	6.60	0.19
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR030 TP09H	0.89	26.77	28.09		28.10	0.001136	0.40	2.23	6.59	0.22
Montecuccoli	Montecuccoli2	71.18	Max WS	IC TR200 TP09H	1.40	26.77	28.29		28.30	0.000651	0.40	3.51	6.60	0.17
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP18H	0.80	26.58	27.92		27.93	0.000838	0.35	2.30	6.60	0.19
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP18H	0.31	26.58	27.47		27.47	0.000302	0.27	1.15	1.59	0.10
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP24H	0.70	26.58	27.76		27.77	0.000604	0.43	1.65	1.79	0.14
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP24H	0.22	26.58	27.35		27.36	0.000231	0.22	0.97	1.52	0.09
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP36H	0.29	26.58	27.44		27.45	0.000290	0.26	1.11	1.58	0.10
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP36H	0.15	26.58	27.25		27.25	0.000178	0.19	0.81	1.44	0.08
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP01H	1.60	26.58	28.27		28.28	0.000356	0.34	4.64	6.60	0.13
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP01H	1.78	26.58	28.37		28.37	0.000303	0.34	5.24	6.60	0.12
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP03H	0.31	26.58	27.44		27.44	0.000331	0.28	1.11	1.57	0.11
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP03H	2.15	26.58	28.41		28.42	0.000369	0.39	5.55	6.60	0.13
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP06H	1.93	26.58	28.35		28.36	0.000377	0.38	5.15	6.60	0.14
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP06H	1.08	26.58	28.14		28.15	0.000309	0.29	3.78	6.60	0.12
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR030 TP09H	0.94	26.58	28.08		28.08	0.000352	0.28	3.33	6.60	0.13
Montecuccoli	Montecuccoli2	71.15	Max WS	IC TR200 TP09H	1.65	26.58	28.27		28.28	0.000381	0.36	4.63	6.60	0.14
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP18H	0.83	26.58	27.91		27.92	0.000392	0.48	1.74	6.60	0.14
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP18H	0.31	26.58	27.47		27.47	0.000240	0.28	1.12	1.59	0.10
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP24H	0.70	26.58	27.76		27.77	0.000435	0.46	1.53	1.79	0.14
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP24H	0.22	26.58	27.35		27.36	0.000196	0.23	0.96	1.52	0.09
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP36H	0.29	26.58	27.44		27.45	0.000233	0.27	1.09	1.58	0.10
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP36H	0.15	26.58	27.25		27.25	0.000166	0.19	0.81	1.44	0.08
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP01H	1.59	26.58	28.27		28.28	0.000802	0.44	3.63	6.60	0.19
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP01H	1.77	26.58	28.36		28.37	0.000599	0.42	4.24	6.60	0.17
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP03H	0.31	26.58	27.44		27.44	0.000267	0.29	1.08	1.57	0.10
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP03H	2.28	26.58	28.40		28.42	0.000817	0.50	4.52	6.60	0.19
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP06H	2.05	26.58	28.34		28.35	0.000887	0.50	4.12	6.60	0.20
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP06H	1.13	26.58	28.14		28.14	0.000969	0.41	2.76	6.60	0.20
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR030 TP09H	0.98	26.58	28.07		28.08	0.001302	0.43	2.31	6.60	0.23
Montecuccoli	Montecuccoli2	71.14	Max WS	IC TR200 TP09H	1.74	26.58	28.26		28.27	0.000983	0.48	3.60	6.60	0.21
Montecuccoli	Montecuccoli2	71.11												
Montecuccoli	Montecuccoli2	71.11		Culvert										
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP18H	0.83	26.38	27.77		27.78	0.000333	0.45	1.83	6.60	0.13
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP18H	0.31	26.38	27.45		27.45	0.000122	0.23	1.37	1.71	0.07
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP24H	0.70	26.38	27.65		27.66	0.000329	0.42	1.66	4.52	0.12
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP24H	0.22	26.38	27.34		27.34	0.000087	0.18	1.23	1.64	0.06
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP36H	0.29	26.38	27.43		27.43	0.000115	0.22	1.34	1.70	0.07
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP36H	0.15	26.38	27.24		27.24	0.000064	0.14	1.08	1.57	0.05
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP01H	1.59	26.38	28.23		28.24	0.000788	0.43	3.70	6.60	0.18
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP01H	1.76	26.38	28.35		28.36	0.000542	0.40	4.44	6.60	0.15
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP03H	0.31	26.38	27.42		27.42	0.000132	0.23	1.34	1.69	0.08
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP03H	2.28	26.38	28.38		28.40	0.000766	0.49	4.68	6.60	0.18
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP06H	2.05	26.38	28.32		28.33	0.000833	0.48	4.26	6.60	0.19
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP06H	1.13	26.38	28.05		28.06	0.001437	0.46	2.47	6.60	0.24
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR030 TP09H	0.98	26.38	27.93		27.95	0.000317	0.48	2.06	6.60	0.13
Montecuccoli	Montecuccoli2	71.1	Max WS	IC TR200 TP09H	1.72	26.38	28.22		28.23	0.001028	0.48	3.57	6.60	0.21
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP18H	0.83	26.38	27.78		27.78	0.000554	0.31	2.66	6.60	0.16
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP18H	0.31	26.38	27.45		27.45	0.000166	0.21	1.45	1.71	0.07
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP24H	0.70	26.38	27.65		27.66	0.000798	0.37	1.91	4.54	0.18
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP24H	0.22	26.38	27.34		27.34	0.000115	0.17	1.27	1.64	0.06
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP36H	0.29	26.38	27.43		27.43	0.000156	0.21	1.41	1.70	0.07
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP36H	0.15	26.38	27.24		27.24	0.000080	0.14	1.10	1.57	0.05
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP01H	1.59	26.38	28.24		28.24	0.000186	0.28	5.71	6.60	0.10
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP01H	1.76	26.38	28.35		28.35	0.000156	0.27	6.45	6.60	0.09
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP03H	0.31	26.38	27.42		27.42	0.000179	0.22	1.40	1.69	0.08
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP03H	2.28	26.38	28.39		28.39	0.000233	0.34	6.69	6.60	0.11
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP06H	2.05	26.38	28.32		28.33	0.000229	0.33	6.27	6.60	0.11
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP06H	1.13	26.38	28.05		28.06	0.000197	0.25	4.49	6.60	0.10
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR030 TP09H	0.98	26.38	27.94		27.94	0.000265	0.26	3.74	6.60	0.11
Montecuccoli	Montecuccoli2	71.099	Max WS	IC TR200 TP09H	1.72	26.38	28.22		28.22	0.000232	0.31	5.59	6.60	0.11
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP18H	1.00	25.35	26.72		26.72	0.000236	0.38	2.64	3.16	0.13
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP18H	0.67	25.35	26.56		26.57	0.000173	0.31	2.18	2.85	0.11
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP24H	0.83	25.35	26.70		26.71	0.000170	0.32	2.59	3.09	0.11
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP24H	0.55	25.35	26.54		26.54	0.000128	0.26	2.12	2.81	0.10
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP36H	0.64	25.35	26.65		26.66	0.000118	0.26	2.44	3.00	0.09
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP36H	0.42	25.35	26.52		26.53	0.000078	0.20	2.08	2.78	0.07
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP01H	1.93	25.35	26.82		26.84	0.000672	0.65	2.98	3.57	0.23
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP01H	2.69	25.35	26.95		26.98	0.000886	0.77	3.51	4.12	0.27
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP03H	0.67	25.35	26.50		26.51	0.000215	0.33	2.01	2.74	0.12
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP03H	3.66	25.35	27.09		27.13	0.001108	0.89	4.11	4.68	0.30
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP06H	2.67	25.35	26.95		26.98	0.000881	0.77	3.49	4.11	0.27
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP06H	1.83	25.35	26.79		26.81	0.000645	0.63	2.90	3.47	0.22
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR030 TP09H	1.35	25.35	26.69		26.70	0.000467	0.53	2.56	3.07	0.18
Fosso Fibbiana	Fibbiana1	0.26	Max WS	IC TR200 TP09H	1.99	25.35	26.85		26.87	0.000646	0.64	3.11	3.71	0.22
Fosso Fibbiana	Fibbiana1	0.25	Max WS	IC TR200 TP18H	1.51	25.35	26.69		26.71	0.000577	0.59	2.57	3.08	0.21
Fosso Fibbiana	Fibbiana1	0.25	Max WS	IC TR030 TP18H	1.24	25.35	26.53		26.55	0.000664	0.59	2.10	2.80	0.22
Fosso Fibbiana	Fibbiana1	0.25	Max WS	IC TR200 TP24H	1.34	25.35	26.68		26.70	0.000474	0.53	2.53	3.05	0.19
Fosso Fibbiana	Fibbiana1	0.25	Max WS	IC TR030 TP24H	1.13	25.35	26.51		26.53	0.000591	0.55	2.04	2.76	0.21
Fosso Fibbiana	Fibbiana1	0.25	Max WS	IC TR200 TP36H	1.17	25.35	26.6							

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR200_TP01H	3.08	25.26	26.88		26.92	0.001209	0.88	3.49	4.36	0.31
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR030_TP03H	1.24	25.26	26.44		26.46	0.000873	0.65	1.90	2.70	0.25
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR200_TP03H	3.94	25.26	27.02		27.07	0.001266	0.95	4.14	4.86	0.33
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR200_TP06H	3.07	25.26	26.88		26.92	0.001217	0.88	3.47	4.34	0.32
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR030_TP06H	2.31	25.26	26.72		26.75	0.001163	0.82	2.83	3.78	0.30
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR030_TP09H	1.88	25.26	26.62		26.65	0.001098	0.76	2.46	3.42	0.29
Fosso Fibbiana	Fibbiana1	0.24667	Max WS	IC_TR200_TP09H	2.45	25.26	26.79		26.82	0.001040	0.79	3.09	4.02	0.29
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP18H	1.51	25.17	26.65		26.67	0.000478	0.52	2.88	3.95	0.20
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP18H	1.24	25.17	26.49		26.50	0.000613	0.55	2.26	3.42	0.22
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP24H	1.34	25.17	26.65		26.66	0.000385	0.47	2.86	3.93	0.18
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP24H	1.13	25.17	26.47		26.48	0.000537	0.51	2.21	3.37	0.20
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP36H	1.17	25.17	26.60		26.61	0.000341	0.43	2.69	3.79	0.16
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP36H	0.99	25.17	26.47		26.48	0.000416	0.45	2.20	3.37	0.18
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP01H	2.40	25.17	26.71		26.74	0.001006	0.78	3.09	4.11	0.29
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP01H	3.08	25.17	26.84		26.88	0.001043	0.84	3.68	4.54	0.30
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP03H	1.24	25.17	26.40		26.42	0.000847	0.62	1.99	3.16	0.25
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP03H	3.94	25.17	26.98		27.02	0.001096	0.91	4.34	4.97	0.31
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP06H	3.07	25.17	26.84		26.87	0.001053	0.84	3.65	4.52	0.30
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP06H	2.31	25.17	26.68		26.71	0.001019	0.77	2.98	4.03	0.29
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR030_TP09H	1.88	25.17	26.58		26.61	0.000978	0.73	2.59	3.71	0.28
Fosso Fibbiana	Fibbiana1	0.24333	Max WS	IC_TR200_TP09H	2.44	25.17	26.75		26.78	0.000878	0.74	3.28	4.26	0.27
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP18H	1.51	25.08	26.64		26.65	0.000356	0.47	3.18	4.15	0.17
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP18H	1.24	25.08	26.47		26.48	0.000458	0.50	2.51	3.66	0.19
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP24H	1.34	25.08	26.64		26.65	0.000284	0.42	3.17	4.14	0.15
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP24H	1.13	25.08	26.45		26.46	0.000397	0.46	2.46	3.62	0.18
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP36H	1.17	25.08	26.59		26.60	0.000249	0.39	3.00	4.02	0.14
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP36H	0.99	25.08	26.46		26.46	0.000303	0.40	2.47	3.63	0.16
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP01H	2.40	25.08	26.67		26.70	0.000804	0.72	3.32	4.24	0.26
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP01H	3.08	25.08	26.81		26.84	0.000851	0.79	3.92	4.62	0.27
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP03H	1.24	25.08	26.38		26.39	0.000652	0.57	2.19	3.40	0.23
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP03H	3.94	25.08	26.94		26.98	0.000915	0.86	4.58	5.00	0.29
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP06H	3.07	25.08	26.80		26.83	0.000858	0.79	3.89	4.60	0.27
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP06H	2.31	25.08	26.65		26.67	0.000813	0.72	3.21	4.17	0.26
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR030_TP09H	1.88	25.08	26.55		26.57	0.000770	0.67	2.81	3.89	0.25
Fosso Fibbiana	Fibbiana1	0.24000	Max WS	IC_TR200_TP09H	2.40	25.08	26.73		26.75	0.000674	0.68	3.55	4.39	0.24
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP18H	1.51	24.99	26.63		26.64	0.000259	0.43	3.53	4.25	0.15
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP18H	1.24	24.99	26.45		26.46	0.000322	0.44	2.82	3.80	0.16
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP24H	1.34	24.99	26.63		26.64	0.000206	0.38	3.52	4.24	0.13
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP24H	1.13	24.99	26.44		26.45	0.000276	0.41	2.77	3.77	0.15
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP36H	1.17	24.99	26.59		26.59	0.000177	0.35	3.35	4.14	0.12
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP36H	0.99	24.99	26.45		26.45	0.000208	0.35	2.79	3.78	0.13
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP01H	2.40	24.99	26.65		26.67	0.000618	0.67	3.60	4.29	0.23
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP01H	3.08	24.99	26.78		26.81	0.000678	0.74	4.19	4.63	0.25
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP03H	1.24	24.99	26.36		26.37	0.000456	0.50	2.46	3.56	0.19
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP03H	3.94	24.99	26.91		26.95	0.000754	0.81	4.84	4.97	0.26
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP06H	3.07	24.99	26.77		26.80	0.000683	0.74	4.17	4.61	0.25
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP06H	2.31	24.99	26.62		26.64	0.000622	0.66	3.49	4.23	0.23
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR030_TP09H	1.88	24.99	26.52		26.54	0.000571	0.61	3.09	3.98	0.22
Fosso Fibbiana	Fibbiana1	0.23667	Max WS	IC_TR200_TP09H	2.38	24.99	26.71		26.72	0.000507	0.62	3.85	4.44	0.21
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP18H	1.51	24.90	26.62		26.63	0.000191	0.39	3.87	4.26	0.13
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP18H	1.24	24.90	26.44		26.45	0.000226	0.39	3.15	3.86	0.14
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP24H	1.34	24.90	26.62		26.63	0.000151	0.35	3.88	4.26	0.12
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP24H	1.13	24.90	26.43		26.44	0.000192	0.36	3.11	3.83	0.13
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP36H	1.17	24.90	26.58		26.59	0.000129	0.31	3.70	4.17	0.11
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP36H	0.99	24.90	26.44		26.45	0.000145	0.32	3.14	3.85	0.11
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP01H	2.40	24.90	26.63		26.65	0.000475	0.61	3.91	4.28	0.21
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP01H	3.08	24.90	26.76		26.78	0.000542	0.69	4.48	4.57	0.22
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP03H	1.24	24.90	26.34		26.35	0.000313	0.45	2.78	3.63	0.16
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP03H	3.94	24.90	26.89		26.92	0.000226	0.77	5.10	4.87	0.24
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP06H	3.07	24.90	26.75		26.78	0.000546	0.69	4.45	4.56	0.22
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP06H	2.31	24.90	26.60		26.62	0.000475	0.61	3.79	4.22	0.21
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR030_TP09H	1.88	24.90	26.51		26.52	0.000422	0.55	3.40	4.00	0.19
Fosso Fibbiana	Fibbiana1	0.23333	Max WS	IC_TR200_TP09H	2.35	24.90	26.69		26.71	0.000382	0.56	4.17	4.42	0.19
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP18H	1.51	24.81	26.62		26.62	0.000147	0.36	4.21	4.21	0.11
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP18H	1.24	24.81	26.44		26.44	0.000165	0.36	3.49	3.84	0.12
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP24H	1.34	24.81	26.62		26.62	0.000116	0.32	4.22	4.21	0.10
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP24H	0.78	24.81	26.43		26.43	0.000067	0.23	3.47	3.83	0.08
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP36H	1.16	24.81	26.58		26.58	0.000097	0.29	4.05	4.13	0.09
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP36H	0.99	24.81	26.44		26.44	0.000105	0.28	3.49	3.84	0.10
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP01H	2.40	24.81	26.61		26.63	0.000376	0.57	4.20	4.20	0.18
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP01H	3.08	24.81	26.74		26.76	0.000446	0.65	4.76	4.46	0.20
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP03H	1.24	24.81	26.34		26.34	0.000222	0.40	3.11	3.64	0.14
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP03H	3.94	24.81	26.87		26.90	0.000534	0.74	5.34	4.72	0.22
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP06H	3.07	24.81	26.74		26.76	0.000449	0.65	4.73	4.45	0.20
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP06H	2.31	24.81	26.59		26.60	0.000373	0.56	4.09	4.15	0.18
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR030_TP09H	1.88	24.81	26.50		26.51	0.000320	0.51	3.71	3.96	0.17
Fosso Fibbiana	Fibbiana1	0.23	Max WS	IC_TR200_TP09H	2.33	24.81	26.68		26.69	0.000300	0.52	4.48	4.33	0.16
Fosso Fibbiana	Fibbiana1	0.22500	Max WS	IC_TR200_TP18H	1.50	24.90	26.61		26.62	0.000168	0.36	4.12	4.51	0.12
Fosso Fibbiana	Fibbiana1	0.22500	Max WS	IC_TR030_TP18H	1.24	24.90	26.43		26.44	0.000197	0.37	3.35	4.02	0.13
Fosso Fibbiana	Fibbiana1	0.22500	Max WS	IC_TR200_TP24H	1.34	24.90	26.61		26.62	0.000131	0.32	4.14	4.52	0.11
Fosso Fibbiana	Fibbiana1	0.22500	Max WS	IC_TR030_TP24H	0.78	24.90	26.43		26.43	0.000079	0.23	3.34	4.01	0.08
Fosso Fibbiana	Fibbiana1	0.22500	Max WS	IC_TR200_TP36H	1.16	24.90	26.57		26.58	0.000112	0.29	3.96	4.41	0.10
Fosso Fibbiana	Fibbiana1													

River	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
Fosso Fibianna	Fibianna1	0.22	Max WS	IC TR200 TP09H	2.25	25.00	26.65		26.67	0.000395	0.53	4.21	4.83	0.18
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP18H	1.50	24.99	26.60		26.60	0.000193	0.37	4.03	4.71	0.13
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP18H	0.78	24.99	26.42		26.42	0.000092	0.24	3.24	4.09	0.09
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP24H	1.33	24.99	26.60		26.61	0.000150	0.33	4.06	4.73	0.11
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP24H	0.78	24.99	26.42		26.43	0.000091	0.24	3.26	4.10	0.09
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP36H	1.16	24.99	26.57		26.57	0.000128	0.30	3.88	4.60	0.10
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP36H	0.99	24.99	26.42		26.43	0.000145	0.30	3.26	4.11	0.11
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP01H	2.40	24.99	26.56		26.58	0.000551	0.62	3.87	4.59	0.22
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP01H	3.08	24.99	26.68		26.71	0.000635	0.69	4.44	5.00	0.24
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP03H	1.24	24.99	26.30		26.31	0.000336	0.44	2.80	3.69	0.16
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP03H	3.94	24.99	26.80		26.83	0.000934	0.77	5.10	6.99	0.29
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP06H	3.07	24.99	26.68		26.70	0.000640	0.70	4.41	4.97	0.24
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP06H	2.31	24.99	26.54		26.56	0.000553	0.62	3.75	4.49	0.22
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR030 TP09H	1.88	24.99	26.45		26.47	0.000482	0.56	3.37	4.19	0.20
Fosso Fibianna	Fibianna1	0.21667	Max WS	IC TR200 TP09H	2.09	24.99	26.64		26.65	0.000329	0.49	4.24	4.86	0.17
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP18H	1.50	24.99	26.59		26.60	0.000218	0.37	4.09	5.61	0.14
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP18H	0.78	24.99	26.42		26.42	0.000088	0.24	3.29	4.13	0.09
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP24H	1.33	24.99	26.60		26.60	0.000172	0.32	4.13	5.75	0.12
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP24H	0.78	24.99	26.42		26.42	0.000087	0.24	3.30	4.14	0.08
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP36H	1.16	24.99	26.56		26.57	0.000135	0.30	3.93	5.07	0.11
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP36H	0.78	24.99	26.42		26.42	0.000086	0.24	3.31	4.14	0.08
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP01H	2.40	24.99	26.54		26.56	0.000576	0.63	3.83	4.70	0.22
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP01H	3.08	24.99	26.66		26.68	0.000835	0.69	4.49	6.81	0.27
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP03H	1.24	24.99	26.29		26.30	0.000336	0.44	2.80	3.77	0.16
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP03H	3.94	24.99	26.77		26.79	0.000863	0.75	5.27	7.19	0.28
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP06H	3.07	24.99	26.65		26.67	0.000837	0.69	4.45	6.69	0.27
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP06H	2.31	24.99	26.51		26.53	0.000552	0.62	3.71	4.41	0.22
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR030 TP09H	1.88	24.99	26.43		26.45	0.000479	0.56	3.36	4.17	0.20
Fosso Fibianna	Fibianna1	0.21333	Max WS	IC TR200 TP09H	2.05	24.99	26.63		26.64	0.000386	0.47	4.32	6.33	0.18
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP18H	1.49	24.98	26.58		26.59	0.000218	0.34	4.42	7.22	0.14
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP18H	0.78	24.98	26.41		26.41	0.000103	0.23	3.34	5.07	0.09
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP24H	1.34	24.98	26.59		26.60	0.000167	0.30	4.49	7.23	0.12
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP24H	0.78	24.98	26.42		26.42	0.000102	0.23	3.36	5.12	0.09
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP36H	1.16	24.98	26.56		26.56	0.000153	0.28	4.23	7.19	0.11
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP36H	0.78	24.98	26.42		26.42	0.000102	0.23	3.36	5.14	0.09
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP01H	2.40	24.98	26.52		26.54	0.000746	0.61	3.96	6.69	0.25
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP01H	3.08	24.98	26.63		26.65	0.000745	0.65	4.76	7.27	0.26
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP03H	1.24	24.98	26.28		26.29	0.000334	0.44	2.79	3.69	0.16
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP03H	3.94	24.98	26.74		26.76	0.000753	0.71	5.56	7.38	0.26
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP06H	3.07	24.98	26.62		26.64	0.000763	0.65	4.71	7.26	0.26
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP06H	2.31	24.98	26.49		26.51	0.000744	0.61	3.79	6.29	0.25
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR030 TP09H	1.88	24.98	26.41		26.43	0.000592	0.56	3.34	5.06	0.22
Fosso Fibianna	Fibianna1	0.21	Max WS	IC TR200 TP09H	1.95	24.98	26.62		26.63	0.000313	0.42	4.68	7.26	0.17
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP18H	1.49	24.97	26.58		26.58	0.000198	0.34	4.39	6.65	0.13
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP18H	0.78	24.97	26.41		26.41	0.000077	0.22	3.49	4.56	0.08
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP24H	1.34	24.97	26.59		26.59	0.000155	0.30	4.47	6.83	0.12
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP24H	0.78	24.97	26.41		26.42	0.000076	0.22	3.50	4.57	0.08
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP36H	1.16	24.97	26.55		26.56	0.000127	0.28	4.23	6.25	0.11
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP36H	0.78	24.97	26.41		26.42	0.000075	0.22	3.51	4.57	0.08
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP01H	2.40	24.97	26.50		26.52	0.000592	0.61	3.91	5.37	0.23
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP01H	3.08	24.97	26.60		26.63	0.000791	0.67	4.58	7.10	0.27
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP03H	1.24	24.97	26.27		26.28	0.000315	0.43	2.89	4.08	0.16
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP03H	3.94	24.97	26.71		26.74	0.000841	0.73	5.40	7.81	0.28
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP06H	3.07	24.97	26.60		26.62	0.000798	0.68	4.53	6.97	0.27
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP06H	2.31	24.97	26.47		26.49	0.000562	0.61	3.78	4.94	0.22
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR030 TP09H	1.88	24.97	26.40		26.41	0.000462	0.55	3.43	4.51	0.20
Fosso Fibianna	Fibianna1	0.20667	Max WS	IC TR200 TP09H	1.91	24.97	26.61		26.62	0.000301	0.41	4.62	7.18	0.17
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP18H	1.49	24.95	26.57		26.58	0.000164	0.34	4.39	5.60	0.12
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP18H	0.78	24.95	26.41		26.41	0.000076	0.22	3.55	4.73	0.08
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP24H	1.34	24.95	26.58		26.59	0.000127	0.30	4.46	5.67	0.11
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP24H	0.78	24.95	26.41		26.41	0.000075	0.22	3.56	4.75	0.08
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP36H	1.16	24.95	26.55		26.55	0.000107	0.27	4.27	5.48	0.10
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP36H	0.78	24.95	26.41		26.41	0.000075	0.22	3.57	4.76	0.08
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP01H	2.40	24.95	26.48		26.50	0.000570	0.62	3.90	5.11	0.23
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP01H	3.08	24.95	26.58		26.60	0.000681	0.69	4.45	5.65	0.25
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP03H	1.24	24.95	26.26		26.27	0.000303	0.43	2.91	3.97	0.16
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP03H	3.93	24.95	26.68		26.71	0.000947	0.77	5.10	7.38	0.30
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP06H	3.07	24.95	26.57		26.60	0.000691	0.70	4.40	5.61	0.25
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP06H	2.31	24.95	26.45		26.47	0.000572	0.61	3.77	4.98	0.22
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR030 TP09H	1.88	24.95	26.38		26.40	0.000474	0.55	3.43	4.60	0.20
Fosso Fibianna	Fibianna1	0.20333	Max WS	IC TR200 TP09H	1.88	24.95	26.60		26.61	0.000248	0.41	4.56	5.97	0.15
Fosso Fibianna	Fibianna1	0.20	Max WS	IC TR200 TP18H	1.49	24.94	26.57		26.57	0.000166	0.34	4.37	5.40	0.12
Fosso Fibianna	Fibianna1	0.20	Max WS	IC TR030 TP18H	0.78	24.94	26.40		26.41	0.000071	0.22	3.59	4.46	0.08
Fosso Fibianna	Fibianna1	0.20	Max WS	IC TR200 TP24H	1.34	24.94	26.58		26.58	0.000129	0.30	4.44	5.52	0.11
Fosso Fibianna	Fibianna1	0.20												

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR200 TP36H	1.48	24.91	26.54		26.54	0.000067	0.26	5.63	4.98	0.08
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR030 TP36H	0.79	24.91	26.41		26.41	0.000227	0.16	4.99	4.73	0.05
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR030 TP01H	2.40	24.91	26.45		26.46	0.000221	0.46	5.18	4.80	0.14
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR200 TP01H	3.08	24.91	26.54		26.55	0.000291	0.55	5.63	4.98	0.16
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR030 TP03H	1.24	24.91	26.24		26.25	0.000101	0.29	4.24	4.41	0.10
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR200 TP03H	3.91	24.91	26.62		26.65	0.000485	0.63	6.15	6.75	0.21
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR200 TP06H	2.12	24.91	26.55		26.55	0.000136	0.37	5.66	5.00	0.11
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR030 TP06H	2.31	24.91	26.42		26.43	0.000218	0.46	5.06	4.75	0.14
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR030 TP09H	1.87	24.91	26.36		26.37	0.000169	0.39	4.75	4.63	0.12
Fosso Fibbiana	Fibbiana1	0.193	Max WS	IC TR200 TP09H	2.25	24.91	26.58		26.59	0.000185	0.38	5.87	6.70	0.13
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP18H	3.04	24.91	26.55		26.56	0.000276	0.54	5.67	5.00	0.16
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP18H	1.64	24.91	26.40		26.40	0.000117	0.33	4.94	4.71	0.10
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP24H	3.14	24.91	26.56		26.57	0.000318	0.55	5.73	5.55	0.17
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP24H	1.68	24.91	26.40		26.41	0.000121	0.34	4.96	4.71	0.11
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP36H	2.88	24.91	26.53		26.54	0.000260	0.52	5.57	4.96	0.16
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP36H	1.68	24.91	26.40		26.41	0.000122	0.34	4.96	4.72	0.11
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP01H	2.61	24.91	26.44		26.46	0.000263	0.51	5.16	4.80	0.16
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP01H	3.27	24.91	26.54		26.55	0.000329	0.58	5.61	4.98	0.18
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP03H	1.30	24.91	26.24		26.25	0.000111	0.31	4.24	4.41	0.10
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP03H	3.88	24.91	26.62		26.64	0.000482	0.63	6.14	6.75	0.21
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP06H	3.34	24.91	26.53		26.55	0.000345	0.60	5.60	4.97	0.18
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP06H	2.47	24.91	26.42		26.43	0.000250	0.49	5.04	4.75	0.15
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR030 TP09H	1.99	24.91	26.36		26.36	0.000193	0.42	4.74	4.62	0.13
Fosso Fibbiana	Fibbiana2	0.191	Max WS	IC TR200 TP09H	3.53	24.91	26.57		26.59	0.000429	0.61	5.78	6.07	0.20
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP18H	3.04	24.91	26.54	25.46	26.56	0.000268	0.67	4.51	4.98	0.17
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP18H	1.63	24.91	26.40	25.28	26.40	0.000106	0.40	4.10	4.70	0.11
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP24H	3.14	24.91	26.55	25.47	26.57	0.000280	0.69	4.54	5.00	0.18
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP24H	1.68	24.91	26.40	25.28	26.41	0.000112	0.41	4.11	4.71	0.11
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP36H	2.88	24.91	26.52	25.44	26.54	0.000250	0.64	4.46	4.94	0.17
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP36H	1.68	24.91	26.40	25.29	26.41	0.000113	0.41	4.11	4.71	0.11
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP01H	2.60	24.91	26.44	25.41	26.46	0.000246	0.62	4.22	4.78	0.16
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP01H	3.26	24.91	26.52	25.48	26.55	0.000319	0.73	4.47	4.95	0.19
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP03H	1.30	24.91	26.24	25.23	26.25	0.000099	0.35	3.65	4.40	0.10
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP03H	3.88	24.91	26.60	25.55	26.64	0.000381	0.82	4.71	6.73	0.21
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP06H	3.34	24.91	26.52	25.49	26.55	0.000336	0.75	4.47	4.95	0.19
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP06H	2.47	24.91	26.41	25.39	26.43	0.000234	0.59	4.15	4.73	0.16
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR030 TP09H	1.99	24.91	26.35	25.33	26.36	0.000177	0.50	3.97	4.61	0.14
Fosso Fibbiana	Fibbiana2	0.19	Max WS	IC TR200 TP09H	3.53	24.91	26.55	25.51	26.58	0.000349	0.77	4.56	5.21	0.20
Fosso Fibbiana	Fibbiana2	0.185		Bridge										
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP18H	3.04	24.94	26.44		26.48	0.000460	0.78	3.88	3.88	0.21
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP18H	1.63	24.94	26.37		26.38	0.000159	0.44	3.67	3.77	0.12
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP24H	3.14	24.94	26.45		26.48	0.000486	0.81	3.89	3.89	0.22
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP24H	1.68	24.94	26.37		26.38	0.000168	0.46	3.67	3.78	0.13
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP36H	2.88	24.94	26.44		26.46	0.000421	0.75	3.85	3.87	0.20
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP36H	1.68	24.94	26.37		26.38	0.000169	0.46	3.68	3.78	0.13
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP01H	2.60	24.94	26.37		26.40	0.000404	0.71	3.67	3.77	0.20
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP01H	3.25	24.94	26.42		26.45	0.000565	0.86	3.80	3.84	0.23
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP03H	1.30	24.94	26.23		26.23	0.000148	0.40	3.27	3.57	0.12
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP03H	3.88	24.94	26.45		26.50	0.000744	1.00	3.88	3.88	0.27
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP06H	3.25	24.94	26.41		26.45	0.000574	0.86	3.78	3.83	0.24
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP06H	2.47	24.94	26.35		26.38	0.000380	0.68	3.62	3.75	0.19
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR030 TP09H	1.94	24.94	26.31		26.33	0.000261	0.55	3.51	3.69	0.16
Fosso Fibbiana	Fibbiana2	0.18	Max WS	IC TR200 TP09H	3.52	24.94	26.43		26.47	0.000647	0.92	3.83	3.85	0.25
Fosso Fibbiana	Fibbiana2	0.1799		Lat Struct										
Fosso Fibbiana	Fibbiana2	0.1798		Lat Struct										
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP18H	3.04	24.93	26.43		26.46	0.000652	0.75	4.08	3.91	0.23
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP18H	1.63	24.93	26.36		26.37	0.000222	0.43	3.82	3.80	0.14
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP24H	3.14	24.93	26.43		26.46	0.000690	0.77	4.09	3.91	0.24
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP24H	1.68	24.93	26.37		26.38	0.000235	0.44	3.83	3.80	0.14
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP36H	2.88	24.93	26.42		26.45	0.000595	0.71	4.05	3.90	0.22
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP36H	1.68	24.93	26.37		26.38	0.000236	0.44	3.83	3.81	0.14
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP01H	2.60	24.93	26.36		26.38	0.000578	0.68	3.79	3.79	0.22
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP01H	3.25	24.93	26.40		26.43	0.000812	0.82	3.95	3.86	0.26
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP03H	1.30	24.93	26.22		26.23	0.000210	0.39	3.30	3.57	0.13
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP03H	3.87	24.93	26.42		26.47	0.001080	0.96	4.05	3.90	0.30
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP06H	3.25	24.93	26.39		26.42	0.000829	0.83	3.92	3.84	0.26
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP06H	2.47	24.93	26.34		26.36	0.000545	0.66	3.73	3.76	0.21
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR030 TP09H	1.94	24.93	26.31		26.32	0.000371	0.54	3.60	3.71	0.17
Fosso Fibbiana	Fibbiana2	0.17667	Max WS	IC TR200 TP09H	3.52	24.93	26.40		26.44	0.000935	0.89	3.98	3.87	0.28
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP18H	3.03	24.91	26.40		26.44	0.000934	0.77	3.91	5.04	0.28
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP18H	1.63	24.91	26.36		26.37	0.000281	0.44	3.68	4.32	0.15
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP24H	3.13	24.91	26.41		26.44	0.000990	0.80	3.92	5.04	0.29
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP24H	1.68	24.91	26.36		26.37	0.000298	0.46	3.68	4.35	0.16
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP36H	2.87	24.91	26.40		26.43	0.000854	0.74	3.88	5.03	0.27
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP36H	1.68	24.91	26.36		26.37	0.000301	0.46	3.68	4.37	0.16
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP01H	2.60	24.91	26.33		26.36	0.000683	0.72	3.59	3.82	0.24
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP01H	3.25	24.91	26.36		26.40	0.001139	0.87	3.71	4.56	0.31
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP03H	1.30	24.91	26.21		26.22	0.000244	0.41	3.14	3.60	0.14
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP03H	3.85	24.91	26.38		26.43	0.001647	1.02	3.77	4.95	0.37
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP06H	3.25	24.91	26.36		26.40	0.001115	0.88	3.67	4.31	0.31
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP06H	2.47	24.91	26.32		26.34	0.000643	0.70	3.53	3.79	0.23
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR030 TP09H	1.94	24.91	26.29		26.31	0.000431	0.57	3.43	3.74	0.19
Fosso Fibbiana	Fibbiana2	0.17333	Max WS	IC TR200 TP09H	3.52	24.91	26.37		26.41	0.001344	0.95	3.72	4.61	0.34
Fosso Fibbiana	Fibbiana2	0.17	Max WS	IC TR200 TP18H	1.40	24.90								

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR200_TP36H	-0.08	24.80	26.43		26.43	0.000001	-0.02	3.98	5.01	0.01
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR030_TP36H	0.00	24.80	26.37		26.37	0.000000	0.00	3.71	4.42	0.00
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR030_TP01H	1.45	24.80	26.34		26.34	0.000227	0.41	3.56	4.07	0.14
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR200_TP01H	1.40	24.80	26.38		26.39	0.000198	0.37	3.75	4.52	0.13
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR030_TP03H	1.26	24.80	26.20		26.20	0.000240	0.41	3.05	3.49	0.14
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR200_TP03H	1.61	24.80	26.40		26.41	0.000254	0.42	3.84	4.72	0.15
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR200_TP06H	1.64	24.80	26.36		26.37	0.000279	0.45	3.68	4.36	0.15
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR030_TP06H	1.59	24.80	26.31		26.32	0.000281	0.46	3.47	3.84	0.15
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR030_TP09H	1.41	24.80	26.28		26.29	0.000232	0.42	3.35	3.64	0.14
Fosso Fibbiana	Fibbiana2	0.16500	Max WS	IC_TR200_TP09H	1.61	24.80	26.38		26.39	0.000262	0.43	3.76	4.53	0.15
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP18H	-0.11	24.71	26.44		26.44	0.000001	-0.03	3.97	3.97	0.01
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP18H	-0.01	24.71	26.37		26.37	0.000000	0.00	3.71	3.80	0.00
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP24H	-0.08	24.71	26.44		26.44	0.000000	-0.02	3.98	3.98	0.01
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP24H	0.00	24.71	26.37		26.37	0.000000	0.00	3.71	3.80	0.00
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP36H	-0.08	24.71	26.43		26.43	0.000000	-0.02	3.94	3.95	0.01
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP36H	0.00	24.71	26.37		26.37	0.000000	0.00	3.72	3.80	0.00
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP01H	1.47	24.71	26.33		26.34	0.000216	0.41	3.55	3.69	0.13
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP01H	1.43	24.71	26.37		26.38	0.000181	0.38	3.73	3.81	0.12
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP03H	1.26	24.71	26.19		26.20	0.000231	0.41	3.06	3.34	0.14
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP03H	1.62	24.71	26.39		26.40	0.000224	0.43	3.79	3.85	0.14
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP06H	1.65	24.71	26.35		26.36	0.000255	0.45	3.66	3.76	0.15
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP06H	1.60	24.71	26.30		26.31	0.000275	0.46	3.46	3.63	0.15
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR030_TP09H	1.41	24.71	26.27		26.28	0.000230	0.42	3.36	3.55	0.14
Fosso Fibbiana	Fibbiana2	0.16	Max WS	IC_TR200_TP09H	1.61	24.71	26.37		26.38	0.000232	0.43	3.72	3.81	0.14
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP18H	-0.10	24.70	26.44		26.44	0.000001	-0.02	4.18	4.49	0.01
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP18H	-0.01	24.70	26.37		26.37	0.000000	0.00	3.88	4.29	0.00
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP24H	-0.08	24.70	26.44		26.44	0.000000	-0.02	4.20	4.50	0.01
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP24H	0.00	24.70	26.37		26.37	0.000000	0.00	3.89	4.30	0.00
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP36H	-0.08	24.70	26.43		26.43	0.000000	-0.02	4.15	4.47	0.01
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP36H	0.00	24.70	26.37		26.37	0.000000	0.00	3.89	4.30	0.00
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP01H	1.48	24.70	26.32		26.33	0.000210	0.40	3.69	4.16	0.14
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP01H	1.45	24.70	26.37		26.37	0.000175	0.37	3.88	4.29	0.12
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP03H	1.26	24.70	26.18		26.19	0.000231	0.40	3.13	3.75	0.14
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP03H	1.64	24.70	26.38		26.39	0.000214	0.41	3.96	4.34	0.14
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP06H	1.65	24.70	26.35		26.36	0.000245	0.44	3.80	4.23	0.15
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP06H	1.61	24.70	26.29		26.30	0.000267	0.45	3.58	4.08	0.15
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR030_TP09H	1.41	24.70	26.27		26.27	0.000224	0.41	3.46	4.00	0.14
Fosso Fibbiana	Fibbiana2	0.15667	Max WS	IC_TR200_TP09H	1.61	24.70	26.37		26.37	0.000217	0.41	3.88	4.29	0.14
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP18H	-0.10	24.69	26.44		26.44	0.000001	-0.02	4.13	4.56	0.01
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP18H	-0.01	24.69	26.37		26.37	0.000000	0.00	3.83	4.35	0.00
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP24H	-0.07	24.69	26.44		26.44	0.000000	-0.02	4.15	4.57	0.01
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP24H	0.00	24.69	26.37		26.37	0.000000	0.00	3.84	4.35	0.00
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP36H	-0.07	24.69	26.43		26.43	0.000000	-0.02	4.10	4.53	0.01
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP36H	0.00	24.69	26.37		26.37	0.000000	0.00	3.84	4.35	0.00
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP01H	1.50	24.69	26.31		26.32	0.000234	0.42	3.60	4.18	0.14
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP01H	1.47	24.69	26.36		26.37	0.000195	0.39	3.80	4.33	0.13
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP03H	1.27	24.69	26.17		26.18	0.000256	0.42	3.04	3.75	0.15
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP03H	1.65	24.69	26.38		26.39	0.000236	0.43	3.87	4.38	0.14
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP06H	1.67	24.69	26.34		26.35	0.000271	0.45	3.71	4.26	0.15
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP06H	1.62	24.69	26.29		26.30	0.000296	0.46	3.49	4.10	0.16
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR030_TP09H	1.42	24.69	26.26		26.27	0.000247	0.42	3.38	4.01	0.15
Fosso Fibbiana	Fibbiana2	0.15333	Max WS	IC_TR200_TP09H	1.61	24.69	26.36		26.37	0.000237	0.43	3.79	4.32	0.14
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP18H	-0.10	24.68	26.44		26.44	0.000001	-0.02	4.02	4.42	0.01
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP18H	-0.01	24.68	26.37		26.37	0.000000	0.00	3.73	4.13	0.00
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP24H	-0.07	24.68	26.44		26.44	0.000000	-0.02	4.04	4.43	0.01
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP24H	0.00	24.68	26.37		26.37	0.000000	0.00	3.74	4.13	0.00
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP36H	-0.07	24.68	26.43		26.43	0.000000	-0.02	3.99	4.39	0.01
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP36H	0.00	24.68	26.37		26.37	0.000000	0.00	3.74	4.14	0.00
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP01H	1.51	24.68	26.31		26.32	0.000254	0.43	3.49	3.90	0.15
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP01H	1.49	24.68	26.35		26.36	0.000215	0.40	3.68	4.07	0.14
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP03H	1.27	24.68	26.17		26.17	0.000266	0.43	2.97	3.46	0.15
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP03H	1.66	24.68	26.37		26.38	0.000260	0.44	3.74	4.13	0.15
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP06H	1.68	24.68	26.33		26.34	0.000294	0.47	3.58	3.98	0.16
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP06H	1.62	24.68	26.28		26.29	0.000318	0.48	3.37	3.81	0.16
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR030_TP09H	1.42	24.68	26.25		26.26	0.000261	0.43	3.28	3.73	0.15
Fosso Fibbiana	Fibbiana2	0.15	Max WS	IC_TR200_TP09H	1.61	24.68	26.35		26.36	0.000255	0.44	3.67	4.06	0.15
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP18H	-0.09	24.65	26.44		26.44	0.000001	-0.02	4.01	4.27	0.01
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP18H	-0.01	24.65	26.37		26.37	0.000000	0.00	3.73	4.01	0.00
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP24H	-0.07	24.65	26.44		26.44	0.000000	-0.02	4.02	4.28	0.01
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP24H	0.00	24.65	26.37		26.37	0.000000	0.00	3.73	4.01	0.00
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP36H	-0.07	24.65	26.43		26.43	0.000000	-0.02	3.97	4.23	0.01
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP36H	0.00	24.65	26.37		26.37	0.000000	0.00	3.73	4.02	0.00
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP01H	1.53	24.65	26.30		26.31	0.000267	0.44	3.44	3.76	0.15
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP01H	1.51	24.65	26.35		26.35	0.000228	0.42	3.64	3.93	0.14
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP03H	1.27	24.65	26.15		26.16	0.000270	0.43	2.94	3.34	0.15
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP03H	1.68	24.65	26.36		26.37	0.000273	0.46	3.69	3.97	0.15
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP06H	1.70	24.65	26.32		26.33	0.000309	0.48	3.53	3.83	0.16
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP06H	1.63	24.65	26.26		26.28	0.000331	0.49	3.32	3.67	0.16
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR030_TP09H	1.42	24.65	26.24		26.25	0.000268	0.44	3.24	3.60	0.15
Fosso Fibbiana	Fibbiana2	0.14500	Max WS	IC_TR200_TP09H	1.61	24.65	26.34		26.35	0.000263	0.45	3.62	3.91	0.15
Fosso Fibbiana	Fibbiana2	0.14	Max WS	IC_TR200_TP18H	-0.09	24.63	26.44		26.44	0.000001	-0.02	3.99	4.10	0.01
Fosso Fibbiana	Fibbiana2	0.14	Max WS	IC_TR030_TP18H	-0.01	24.63	26.37		26.37	0.000000	0.00	3.71	3.87	0.00
Fosso Fibbiana	Fibbiana2	0.14	Max WS	IC_TR200_TP24H	-0.06	24.63								

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibianna	Fibianna2	0.13750	Max WS	IC TR200 TP06H	1.72	24.62	26.30		26.31	0.000295	0.48	3.59	3.76	0.16
Fosso Fibianna	Fibianna2	0.13750	Max WS	IC TR030 TP06H	1.65	24.62	26.24		26.25	0.000315	0.49	3.38	3.62	0.16
Fosso Fibianna	Fibianna2	0.13750	Max WS	IC TR030 TP09H	1.43	24.62	26.22		26.23	0.000249	0.43	3.32	3.57	0.14
Fosso Fibianna	Fibianna2	0.13750	Max WS	IC TR200 TP09H	1.62	24.62	26.32		26.33	0.000245	0.44	3.69	3.83	0.14
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP18H	-0.08	24.60	26.44		26.44	0.000000	-0.02	4.29	4.21	0.01
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP18H	-0.01	24.60	26.37		26.37	0.000000	0.00	4.01	4.02	0.00
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP24H	-0.06	24.60	26.44		26.44	0.000000	-0.01	4.30	4.22	0.00
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP24H	0.00	24.60	26.37		26.37	0.000000	0.00	4.01	4.03	0.00
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP36H	-0.06	24.60	26.43		26.43	0.000000	-0.01	4.25	4.18	0.00
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP36H	0.00	24.60	26.37		26.37	0.000000	0.00	4.01	4.03	0.00
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP01H	1.57	24.60	26.27		26.28	0.000236	0.43	3.64	3.81	0.14
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP01H	1.57	24.60	26.33		26.33	0.000205	0.41	3.84	3.93	0.13
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP03H	1.28	24.60	26.13		26.14	0.000230	0.41	3.13	3.48	0.14
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP03H	1.72	24.60	26.34		26.35	0.000239	0.44	3.88	3.95	0.14
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP06H	1.73	24.60	26.29		26.30	0.000269	0.46	3.71	3.85	0.15
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP06H	1.65	24.60	26.24		26.25	0.000288	0.47	3.50	3.72	0.16
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR030 TP09H	1.43	24.60	26.22		26.23	0.000226	0.42	3.44	3.68	0.14
Fosso Fibianna	Fibianna2	0.13500	Max WS	IC TR200 TP09H	1.63	24.60	26.32		26.33	0.000222	0.43	3.82	3.91	0.14
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP18H	-0.08	24.58	26.44		26.44	0.000000	-0.02	4.44	4.28	0.01
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP18H	-0.01	24.58	26.37		26.37	0.000000	0.00	4.16	4.12	0.00
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP24H	-0.06	24.58	26.44		26.44	0.000000	-0.01	4.45	4.29	0.00
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP24H	0.00	24.58	26.37		26.37	0.000000	0.00	4.16	4.12	0.00
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP36H	-0.06	24.58	26.43		26.43	0.000000	-0.01	4.41	4.25	0.00
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP36H	0.00	24.58	26.37		26.37	0.000000	0.00	4.16	4.12	0.00
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP01H	1.59	24.58	26.27		26.28	0.000218	0.42	3.76	3.91	0.14
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP01H	1.59	24.58	26.32		26.33	0.000189	0.40	3.97	4.02	0.13
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP03H	1.28	24.58	26.13		26.14	0.000211	0.40	3.24	3.61	0.13
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP03H	1.73	24.58	26.33		26.34	0.000221	0.43	4.01	4.04	0.14
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP06H	1.73	24.58	26.29		26.30	0.000247	0.45	3.83	3.95	0.15
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP06H	1.66	24.58	26.23		26.24	0.000264	0.46	3.61	3.83	0.15
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR030 TP09H	1.43	24.58	26.22		26.22	0.000206	0.40	3.56	3.79	0.13
Fosso Fibianna	Fibianna2	0.13250	Max WS	IC TR200 TP09H	1.63	24.58	26.32		26.32	0.000202	0.41	3.95	4.01	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP18H	-0.08	24.57	26.44		26.44	0.000000	-0.02	4.60	4.35	0.01
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP18H	-0.01	24.57	26.37		26.37	0.000000	0.00	4.31	4.22	0.00
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP24H	-0.05	24.57	26.44		26.44	0.000000	-0.01	4.61	4.36	0.00
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP24H	0.00	24.57	26.37		26.37	0.000000	0.00	4.31	4.22	0.00
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP36H	-0.06	24.57	26.43		26.43	0.000000	-0.01	4.57	4.34	0.00
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP36H	0.00	24.57	26.37		26.37	0.000000	0.00	4.32	4.22	0.00
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP01H	1.60	24.57	26.26		26.27	0.000202	0.41	3.88	4.01	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP01H	1.60	24.57	26.32		26.33	0.000177	0.39	4.10	4.12	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP03H	1.28	24.57	26.13		26.13	0.000194	0.38	3.34	3.74	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP03H	1.74	24.57	26.33		26.34	0.000204	0.42	4.13	4.13	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP06H	1.74	24.57	26.28		26.29	0.000228	0.44	3.96	4.05	0.14
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP06H	1.66	24.57	26.23		26.24	0.000244	0.45	3.73	3.94	0.15
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR030 TP09H	1.44	24.57	26.21		26.22	0.000190	0.39	3.68	3.91	0.13
Fosso Fibianna	Fibianna2	0.13	Max WS	IC TR200 TP09H	1.63	24.57	26.31		26.32	0.000185	0.40	4.08	4.11	0.13
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP18H	-0.07	24.56	26.44		26.44	0.000000	-0.02	4.49	4.28	0.01
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP18H	-0.01	24.56	26.37		26.37	0.000000	0.00	4.20	4.11	0.00
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP24H	-0.05	24.56	26.44		26.44	0.000000	-0.01	4.50	4.28	0.00
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP24H	0.00	24.56	26.37		26.37	0.000000	0.00	4.20	4.11	0.00
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP36H	-0.06	24.56	26.43		26.43	0.000000	-0.01	4.45	4.26	0.00
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP36H	0.00	24.56	26.37		26.37	0.000000	0.00	4.21	4.11	0.00
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP01H	1.61	24.56	26.26		26.27	0.000226	0.43	3.76	3.86	0.14
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP01H	1.63	24.56	26.31		26.32	0.000199	0.41	3.97	3.97	0.13
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP03H	1.29	24.56	26.12		26.13	0.000210	0.40	3.24	3.57	0.13
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP03H	1.76	24.56	26.32		26.33	0.000229	0.44	4.00	3.99	0.14
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP06H	1.75	24.56	26.27		26.28	0.000254	0.46	3.82	3.89	0.15
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP06H	1.67	24.56	26.22		26.23	0.000270	0.46	3.61	3.77	0.15
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR030 TP09H	1.44	24.56	26.21		26.21	0.000207	0.40	3.56	3.75	0.13
Fosso Fibianna	Fibianna2	0.12500	Max WS	IC TR200 TP09H	1.63	24.56	26.31		26.31	0.000204	0.41	3.95	3.96	0.13
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP18H	-0.07	24.55	26.44		26.44	0.000000	-0.02	4.37	4.15	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP18H	-0.01	24.55	26.37		26.37	0.000000	0.00	4.10	3.94	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP24H	-0.05	24.55	26.44		26.44	0.000000	-0.01	4.39	4.16	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP24H	0.00	24.55	26.37		26.37	0.000000	0.00	4.10	3.95	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP36H	-0.05	24.55	26.43		26.43	0.000000	-0.01	4.34	4.13	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP36H	0.00	24.55	26.37		26.37	0.000000	0.00	4.11	3.95	0.00
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP01H	1.63	24.55	26.25		26.26	0.000250	0.45	3.64	3.67	0.14
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP01H	1.65	24.55	26.30		26.31	0.000223	0.43	3.85	3.79	0.14
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP03H	1.29	24.55	26.11		26.12	0.000223	0.41	3.16	3.35	0.13
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP03H	1.78	24.55	26.31		26.32	0.000254	0.46	3.87	3.81	0.15
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP06H	1.76	24.55	26.26		26.28	0.000280	0.48	3.70	3.70	0.15
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP06H	1.68	24.55	26.21		26.22	0.000294	0.48	3.49	3.57	0.16
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR030 TP09H	1.45	24.55	26.20		26.21	0.000223	0.42	3.46	3.55	0.14
Fosso Fibianna	Fibianna2	0.12	Max WS	IC TR200 TP09H	1.64	24.55	26.30		26.31	0.000222	0.43	3.83	3.78	0.14
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR200 TP18H	-0.07	24.53	26.44		26.44	0.000000	-0.01	4.45	4.27	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR030 TP18H	-0.01	24.53	26.37		26.37	0.000000	0.00	4.17	4.03	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR200 TP24H	-0.04	24.53	26.44		26.44	0.000000	-0.01	4.47	4.29	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR030 TP24H	0.00	24.53	26.37		26.37	0.000000	0.00	4.17	4.04	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR200 TP36H	-0.05	24.53	26.43		26.43	0.000000	-0.01	4.42	4.23	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR030 TP36H	0.00	24.53	26.37		26.37	0.000000	0.00	4.18	4.04	0.00
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR030 TP01H	1.65	24.53	26.24		26.25	0.000247	0.45	3.68	3.68	0.14
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR200 TP01H	1.67	24.53	26.30		26.31	0.000221	0.43	3.89	3.81	0.14
Fosso Fibianna	Fibianna2	0.11667	Max WS	IC TR030 TP03H	1.29	24.53	26.10		26.11	0.000219	0.40	3.20	3.41	0.13

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP18H	-0.01	24.48	26.37		26.37	0.000000	0.00	4.31	4.82	0.00
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP24H	-0.07	24.48	26.44		26.44	0.000000	-0.01	4.70	5.84	0.00
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP24H	0.00	24.48	26.37		26.37	0.000000	0.00	4.31	4.84	0.00
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP36H	-0.06	24.48	26.43		26.43	0.000000	-0.01	4.64	5.82	0.00
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP36H	0.00	24.48	26.37		26.37	0.000000	0.00	4.32	4.86	0.00
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP01H	1.67	24.48	26.23		26.24	0.000255	0.45	3.73	3.80	0.15
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP01H	1.71	24.48	26.28		26.29	0.000233	0.43	3.95	3.99	0.14
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP03H	1.30	24.48	26.09		26.10	0.000213	0.40	3.25	3.39	0.13
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP03H	1.82	24.48	26.29		26.30	0.000261	0.46	3.96	4.00	0.15
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP06H	1.79	24.48	26.24		26.25	0.000283	0.47	3.78	3.85	0.15
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP06H	1.70	24.48	26.18		26.19	0.000293	0.48	3.56	3.66	0.15
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR030 TP09H	1.46	24.48	26.18		26.19	0.000216	0.41	3.55	3.65	0.13
Fosso Fibianna	Fibianna2	0.11	Max WS	IC TR200 TP09H	1.65	24.48	26.28		26.29	0.000218	0.42	3.93	3.98	0.13
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP18H	-0.08	24.50	26.44		26.44	0.000000	-0.02	4.55	4.51	0.01
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP18H	-0.01	24.50	26.37		26.37	0.000000	0.00	4.26	4.22	0.00
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP24H	-0.07	24.50	26.44		26.44	0.000000	-0.02	4.57	4.58	0.00
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP24H	0.00	24.50	26.37		26.37	0.000000	0.00	4.26	4.22	0.00
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP36H	-0.06	24.50	26.43		26.43	0.000000	-0.01	4.52	4.40	0.00
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP36H	0.00	24.50	26.37		26.37	0.000000	0.00	4.27	4.23	0.00
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP01H	1.69	24.50	26.22		26.23	0.000268	0.46	3.66	3.77	0.15
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP01H	1.73	24.50	26.28		26.29	0.000244	0.45	3.89	3.95	0.14
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP03H	1.30	24.50	26.09		26.10	0.000222	0.41	3.19	3.40	0.13
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP03H	1.84	24.50	26.28		26.29	0.000272	0.47	3.90	3.96	0.15
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP06H	1.80	24.50	26.23		26.24	0.000295	0.48	3.72	3.81	0.16
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP06H	1.71	24.50	26.17		26.19	0.000306	0.49	3.50	3.63	0.16
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR030 TP09H	1.46	24.50	26.17		26.18	0.000224	0.42	3.50	3.63	0.14
Fosso Fibianna	Fibianna2	0.10750	Max WS	IC TR200 TP09H	1.66	24.50	26.27		26.28	0.000225	0.43	3.87	3.94	0.14
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP18H	-0.08	24.52	26.44		26.44	0.000000	-0.02	4.51	4.39	0.01
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP18H	-0.01	24.52	26.37		26.37	0.000000	0.00	4.21	4.20	0.00
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP24H	-0.07	24.52	26.44		26.44	0.000000	-0.01	4.52	4.40	0.00
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP24H	0.00	24.52	26.37		26.37	0.000000	0.00	4.22	4.20	0.00
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP36H	-0.05	24.52	26.43		26.43	0.000000	-0.01	4.47	4.37	0.00
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP36H	0.00	24.52	26.37		26.37	0.000000	0.00	4.22	4.20	0.00
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP01H	1.70	24.52	26.21		26.22	0.000284	0.47	3.59	3.75	0.15
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP01H	1.75	24.52	26.27		26.28	0.000259	0.46	3.82	3.92	0.15
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP03H	1.30	24.52	26.08		26.09	0.000237	0.42	3.13	3.42	0.14
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP03H	1.85	24.52	26.27		26.28	0.000288	0.48	3.83	3.93	0.16
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP06H	1.81	24.52	26.22		26.24	0.000312	0.50	3.64	3.79	0.16
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP06H	1.71	24.52	26.17		26.18	0.000325	0.50	3.43	3.62	0.16
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR030 TP09H	1.46	24.52	26.17		26.18	0.000236	0.43	3.43	3.63	0.14
Fosso Fibianna	Fibianna2	0.10500	Max WS	IC TR200 TP09H	1.66	24.52	26.27		26.28	0.000235	0.44	3.81	3.91	0.14
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP18H	-0.08	24.53	26.44		26.44	0.000000	-0.02	4.46	4.37	0.01
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP18H	-0.01	24.53	26.37		26.37	0.000000	0.00	4.16	4.18	0.00
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP24H	-0.06	24.53	26.44		26.44	0.000000	-0.01	4.47	4.37	0.00
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP24H	0.00	24.53	26.37		26.37	0.000000	0.00	4.17	4.19	0.00
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP36H	-0.05	24.53	26.43		26.43	0.000000	-0.01	4.42	4.35	0.00
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP36H	0.00	24.53	26.37		26.37	0.000000	0.00	4.17	4.19	0.00
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP01H	1.71	24.53	26.20		26.22	0.000307	0.49	3.51	3.74	0.16
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP01H	1.76	24.53	26.26		26.27	0.000280	0.47	3.74	3.90	0.15
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP03H	1.30	24.53	26.07		26.08	0.000256	0.43	3.05	3.43	0.14
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP03H	1.86	24.53	26.26		26.28	0.000309	0.50	3.75	3.91	0.16
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP06H	1.82	24.53	26.22		26.23	0.000336	0.51	3.56	3.78	0.17
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP06H	1.72	24.53	26.16		26.17	0.000352	0.51	3.34	3.63	0.17
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR030 TP09H	1.46	24.53	26.16		26.17	0.000253	0.44	3.36	3.64	0.15
Fosso Fibianna	Fibianna2	0.10250	Max WS	IC TR200 TP09H	1.66	24.53	26.26		26.27	0.000249	0.45	3.73	3.90	0.15
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP18H	-0.07	24.55	26.44		26.44	0.000000	-0.02	4.39	4.35	0.01
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP18H	-0.01	24.55	26.37		26.37	0.000000	0.00	4.10	4.17	0.00
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP24H	-0.06	24.55	26.44		26.44	0.000000	-0.01	4.41	4.36	0.00
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP24H	0.00	24.55	26.37		26.37	0.000000	0.00	4.11	4.18	0.00
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP36H	-0.05	24.55	26.43		26.43	0.000000	-0.01	4.36	4.33	0.00
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP36H	0.00	24.55	26.37		26.37	0.000000	0.00	4.11	4.18	0.00
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP01H	1.72	24.55	26.20		26.21	0.000337	0.50	3.42	3.74	0.17
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP01H	1.78	24.55	26.25		26.27	0.000306	0.49	3.65	3.89	0.16
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP03H	1.30	24.55	26.07		26.08	0.000278	0.44	2.97	3.41	0.15
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP03H	1.87	24.55	26.26		26.27	0.000337	0.51	3.65	3.89	0.17
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP06H	1.83	24.55	26.21		26.22	0.000366	0.53	3.47	3.77	0.18
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP06H	1.72	24.55	26.15		26.16	0.000385	0.53	3.25	3.61	0.18
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR030 TP09H	1.47	24.55	26.15		26.17	0.000274	0.45	3.27	3.63	0.15
Fosso Fibianna	Fibianna2	0.1	Max WS	IC TR200 TP09H	1.67	24.55	26.25		26.27	0.000268	0.46	3.65	3.89	0.15
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP18H	-0.07	24.56	26.44		26.44	0.000000	-0.02	4.37	4.31	0.01
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP18H	-0.01	24.56	26.37		26.37	0.000000	0.00	4.08	4.14	0.00
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP24H	-0.06	24.56	26.44		26.44	0.000000	-0.01	4.38	4.32	0.00
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP24H	0.00	24.56	26.37		26.37	0.000000	0.00	4.08	4.14	0.00
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP36H	-0.05	24.56	26.43		26.43	0.000000	-0.01	4.34	4.29	0.00
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP36H	0.00	24.56	26.37		26.37	0.000000	0.00	4.09	4.14	0.00
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP01H	1.73	24.56	26.19		26.20	0.000351	0.51	3.37	3.67	0.17
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP01H	1.80	24.56	26.25		26.26	0.000323	0.50	3.60	3.83	0.16
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP03H	1.31	24.56	26.06		26.07	0.000285	0.45	2.93	3.35	0.15
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP03H	1.88	24.56	26.25		26.26	0.000352	0.52	3.60	3.83	0.17
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP06H	1.83	24.56	26.20		26.21	0.000382	0.54	3.41	3.70	0.18
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP06H	1.73	24.56	26.14		26.15	0.000401	0.54	3.20	3.55	0.18
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR030 TP09H	1.47	24.56	26.15		26.16	0.000282	0.45	3.23	3.57	0.15
Fosso Fibianna	Fibianna2	0.09750	Max WS	IC TR200 TP09H	1.67	24.56	26.25		26.26	0.000277	0.46	3.60	3.83	0.15
Fosso Fibianna														

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR200_TP01H	1.83	24.58	26.23		26.24	0.000364	0.53	3.48	3.71	0.17
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR030_TP03H	1.31	24.58	26.05		26.06	0.000309	0.46	2.85	3.24	0.16
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR200_TP03H	1.91	24.58	26.23		26.24	0.000396	0.55	3.48	3.71	0.18
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR200_TP06H	1.64	24.58	26.18		26.19	0.000333	0.50	3.31	3.59	0.17
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR030_TP06H	1.74	24.58	26.12		26.13	0.000447	0.56	3.08	3.42	0.19
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR030_TP09H	1.48	24.58	26.13		26.15	0.000307	0.47	3.14	3.46	0.16
Fosso Fibbiana	Fibbiana2	0.09250	Max WS	IC_TR200_TP09H	1.68	24.58	26.23		26.25	0.000303	0.48	3.50	3.72	0.16
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP18H	-0.06	24.59	26.44		26.44	0.000000	-0.01	4.27	4.23	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP18H	-0.01	24.59	26.37		26.37	0.000000	0.00	3.98	4.05	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP24H	-0.05	24.59	26.44		26.44	0.000000	-0.01	4.28	4.23	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP24H	0.00	24.59	26.37		26.37	0.000000	0.00	3.99	4.05	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP36H	-0.04	24.59	26.43		26.43	0.000000	-0.01	4.23	4.21	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP36H	0.00	24.59	26.37		26.37	0.000000	0.00	3.99	4.05	0.00
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP01H	1.77	24.59	26.16		26.17	0.000428	0.55	3.19	3.49	0.19
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP01H	1.85	24.59	26.22		26.23	0.000394	0.54	3.41	3.66	0.18
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP03H	1.31	24.59	26.04		26.05	0.000327	0.47	2.80	3.18	0.16
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP03H	1.92	24.59	26.22		26.23	0.000427	0.56	3.41	3.65	0.19
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP06H	1.64	24.59	26.17		26.19	0.000352	0.51	3.25	3.54	0.17
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP06H	1.74	24.59	26.11		26.12	0.000480	0.58	3.01	3.36	0.20
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR030_TP09H	1.48	24.59	26.13		26.14	0.000326	0.48	3.08	3.41	0.16
Fosso Fibbiana	Fibbiana2	0.09	Max WS	IC_TR200_TP09H	1.68	24.59	26.23		26.24	0.000321	0.49	3.44	3.67	0.16
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP18H	-0.06	24.55	26.44		26.44	0.000000	-0.01	4.39	4.26	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP18H	-0.01	24.55	26.37		26.37	0.000000	0.00	4.11	4.09	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP24H	-0.05	24.55	26.44		26.44	0.000000	-0.01	4.41	4.27	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP24H	0.00	24.55	26.37		26.37	0.000000	0.00	4.11	4.09	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP36H	-0.04	24.55	26.43		26.43	0.000000	-0.01	4.36	4.24	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP36H	0.00	24.55	26.37		26.37	0.000000	0.00	4.12	4.09	0.00
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP01H	1.78	24.55	26.15		26.16	0.000399	0.54	3.27	3.52	0.18
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP01H	1.87	24.55	26.21		26.22	0.000369	0.53	3.50	3.68	0.17
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP03H	1.31	24.55	26.03		26.04	0.000300	0.46	2.88	3.24	0.15
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP03H	1.93	24.55	26.21		26.22	0.000399	0.55	3.49	3.68	0.18
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP06H	1.64	24.55	26.17		26.18	0.000322	0.49	3.34	3.57	0.16
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP06H	1.75	24.55	26.09		26.11	0.000445	0.57	3.09	3.39	0.19
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR030_TP09H	1.48	24.55	26.12		26.13	0.000298	0.47	3.17	3.45	0.16
Fosso Fibbiana	Fibbiana2	0.08667	Max WS	IC_TR200_TP09H	1.69	24.55	26.22		26.23	0.000295	0.48	3.53	3.71	0.16
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP18H	-0.06	24.50	26.44		26.44	0.000000	-0.01	4.46	4.23	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP18H	-0.01	24.50	26.37		26.37	0.000000	0.00	4.18	4.05	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP24H	-0.05	24.50	26.44		26.44	0.000000	-0.01	4.47	4.23	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP24H	0.00	24.50	26.37		26.37	0.000000	0.00	4.18	4.06	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP36H	-0.04	24.50	26.43		26.43	0.000000	-0.01	4.43	4.21	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP36H	0.00	24.50	26.37		26.37	0.000000	0.00	4.19	4.06	0.00
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP01H	1.79	24.50	26.14		26.15	0.000387	0.54	3.31	3.49	0.18
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP01H	1.88	24.50	26.20		26.22	0.000360	0.53	3.54	3.63	0.17
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP03H	1.32	24.50	26.02		26.04	0.000285	0.45	2.93	3.25	0.15
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP03H	1.95	24.50	26.20		26.21	0.000387	0.55	3.53	3.63	0.18
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP06H	1.64	24.50	26.16		26.17	0.000306	0.48	3.39	3.54	0.16
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP06H	1.76	24.50	26.08		26.10	0.000430	0.56	3.13	3.38	0.19
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR030_TP09H	1.49	24.50	26.11		26.12	0.000284	0.46	3.22	3.44	0.15
Fosso Fibbiana	Fibbiana2	0.08333	Max WS	IC_TR200_TP09H	1.69	24.50	26.21		26.22	0.000293	0.47	3.58	3.66	0.15
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP18H	-0.05	24.46	26.44		26.44	0.000000	-0.01	4.48	4.80	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP18H	-0.01	24.46	26.37		26.37	0.000000	0.00	4.20	3.97	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP24H	-0.04	24.46	26.44		26.44	0.000000	-0.01	4.49	5.16	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP24H	0.00	24.46	26.37		26.37	0.000000	0.00	4.20	3.97	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP36H	-0.04	24.46	26.43		26.43	0.000000	-0.01	4.44	4.12	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP36H	0.00	24.46	26.37		26.37	0.000000	0.00	4.20	3.97	0.00
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP01H	1.81	24.46	26.13		26.14	0.000388	0.54	3.32	3.41	0.18
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP01H	1.90	24.46	26.19		26.21	0.000363	0.54	3.54	3.52	0.17
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP03H	1.32	24.46	26.02		26.03	0.000281	0.45	2.95	3.22	0.15
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP03H	1.96	24.46	26.19		26.20	0.000389	0.56	3.53	3.51	0.18
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP06H	1.64	24.46	26.15		26.16	0.000301	0.48	3.40	3.45	0.16
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP06H	1.76	24.46	26.07		26.09	0.000429	0.56	3.13	3.32	0.18
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR030_TP09H	1.49	24.46	26.11		26.12	0.000280	0.46	3.24	3.37	0.15
Fosso Fibbiana	Fibbiana2	0.08	Max WS	IC_TR200_TP09H	1.70	24.46	26.20		26.22	0.000280	0.47	3.59	3.56	0.15
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP18H	-0.05	24.44	26.44		26.44	0.000000	-0.01	4.63	4.37	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP18H	-0.01	24.44	26.37		26.37	0.000000	0.00	4.34	4.19	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP24H	-0.04	24.44	26.44		26.44	0.000000	-0.01	4.64	4.38	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP24H	0.00	24.44	26.37		26.37	0.000000	0.00	4.34	4.20	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP36H	-0.03	24.44	26.43		26.43	0.000000	-0.01	4.60	4.35	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP36H	0.00	24.44	26.37		26.37	0.000000	0.00	4.34	4.20	0.00
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP01H	1.82	24.44	26.12		26.13	0.000385	0.54	3.37	3.56	0.18
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP01H	1.92	24.44	26.18		26.20	0.000361	0.53	3.60	3.71	0.17
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP03H	1.32	24.44	26.01		26.02	0.000275	0.44	3.00	3.35	0.15
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP03H	1.97	24.44	26.18		26.19	0.000385	0.55	3.59	3.70	0.18
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP06H	1.64	24.44	26.14		26.15	0.000291	0.47	3.46	3.61	0.15
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP06H	1.77	24.44	26.06		26.08	0.000425	0.56	3.17	3.45	0.19
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR030_TP09H	1.49	24.44	26.10		26.11	0.000273	0.45	3.30	3.52	0.15
Fosso Fibbiana	Fibbiana2	0.07667	Max WS	IC_TR200_TP09H	1.70	24.44	26.20		26.21	0.000271	0.46	3.66	3.75	0.15
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR200_TP18H	-0.05	24.41	26.44		26.44	0.000000	-0.01	4.73	4.55	0.00
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR030_TP18H	-0.01	24.41	26.37		26.37	0.000000	0.00	4.43	4.36	0.00
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR200_TP24H	-0.04	24.41	26.44		26.44	0.000000	-0.01	4.75	4.55	0.00
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR030_TP24H	0.00	24.41	26.37		26.37	0.000000	0.00	4.43	4.36	0.00
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR200_TP36H	-0.03	24.41	26.43		26.43	0.000000	-0.01	4.70	4.52	0.00
Fosso Fibbiana	Fibbiana2	0.07333	Max WS	IC_TR030_TP36H	0.00									



River	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
Fosso Fibianna	Fibianna2	0.07	Max WS	IC TR200 TP09H	1.71	24.39	26.18		26.19	0.000266	0.46	3.73	3.87	0.15
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP18H	-0.04	24.37	26.44		26.44	0.000000	-0.01	4.78	4.57	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP18H	-0.01	24.37	26.37		26.37	0.000000	0.00	4.48	4.36	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP24H	-0.03	24.37	26.44		26.44	0.000000	-0.01	4.80	4.57	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP24H	0.00	24.37	26.37		26.37	0.000000	0.00	4.48	4.37	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP36H	-0.03	24.37	26.43		26.43	0.000000	-0.01	4.75	4.54	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP36H	0.00	24.37	26.37		26.37	0.000000	0.00	4.48	4.37	0.00
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP01H	1.86	24.37	26.08		26.10	0.000413	0.56	3.35	3.53	0.18
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP01H	1.98	24.37	26.15		26.16	0.000395	0.55	3.59	3.72	0.18
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP03H	1.33	24.37	25.99		26.00	0.000272	0.44	3.03	3.31	0.15
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP03H	2.02	24.37	26.14		26.16	0.000416	0.57	3.57	3.70	0.18
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP06H	1.64	24.37	26.12		26.13	0.000291	0.47	3.48	3.64	0.15
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP06H	1.79	24.37	26.02		26.04	0.000445	0.57	3.15	3.38	0.19
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR030 TP09H	1.50	24.37	26.07		26.08	0.000274	0.45	3.32	3.51	0.15
Fosso Fibianna	Fibianna2	0.06667	Max WS	IC TR200 TP09H	1.72	24.37	26.17		26.19	0.000277	0.47	3.69	3.80	0.15
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP18H	-0.04	24.35	26.44		26.44	0.000000	-0.01	4.75	4.49	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP18H	-0.01	24.35	26.37		26.37	0.000000	0.00	4.45	4.30	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP24H	-0.03	24.35	26.44		26.44	0.000000	-0.01	4.77	4.50	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP24H	0.00	24.35	26.37		26.37	0.000000	0.00	4.46	4.30	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP36H	-0.02	24.35	26.43		26.43	0.000000	-0.01	4.72	4.47	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP36H	0.00	24.35	26.37		26.37	0.000000	0.00	4.46	4.30	0.00
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP01H	1.88	24.35	26.07		26.08	0.000441	0.57	3.29	3.45	0.19
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP01H	2.00	24.35	26.13		26.15	0.000423	0.57	3.53	3.63	0.18
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP03H	1.33	24.35	25.98		25.99	0.000280	0.44	2.99	3.23	0.15
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP03H	2.04	24.35	26.13		26.15	0.000443	0.58	3.50	3.62	0.19
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP06H	1.64	24.35	26.11		26.12	0.000301	0.48	3.44	3.57	0.16
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP06H	1.80	24.35	26.01		26.03	0.000470	0.58	3.09	3.30	0.19
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR030 TP09H	1.51	24.35	26.07		26.08	0.000284	0.46	3.28	3.45	0.15
Fosso Fibianna	Fibianna2	0.06333	Max WS	IC TR200 TP09H	1.72	24.35	26.17		26.18	0.000288	0.47	3.64	3.72	0.15
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP18H	-0.03	24.33	26.44		26.44	0.000000	-0.01	4.72	4.42	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP18H	-0.01	24.33	26.37		26.37	0.000000	0.00	4.43	4.23	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP24H	-0.03	24.33	26.44		26.44	0.000000	-0.01	4.74	4.43	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP24H	0.00	24.33	26.37		26.37	0.000000	0.00	4.43	4.23	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP36H	-0.02	24.33	26.43		26.43	0.000000	0.00	4.69	4.40	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP36H	0.00	24.33	26.37		26.37	0.000000	0.00	4.44	4.23	0.00
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP01H	1.90	24.33	26.05		26.07	0.000471	0.59	3.23	3.36	0.19
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP01H	2.03	24.33	26.12		26.14	0.000454	0.59	3.46	3.55	0.19
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP03H	1.33	24.33	25.97		25.98	0.000289	0.45	2.96	3.14	0.15
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP03H	2.05	24.33	26.11		26.13	0.000473	0.60	3.44	3.53	0.19
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP06H	1.64	24.33	26.10		26.11	0.000313	0.48	3.39	3.49	0.16
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP06H	1.80	24.33	25.99		26.01	0.000496	0.59	3.04	3.20	0.19
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR030 TP09H	1.51	24.33	26.06		26.07	0.000296	0.47	3.25	3.38	0.15
Fosso Fibianna	Fibianna2	0.06	Max WS	IC TR200 TP09H	1.73	24.33	26.16		26.17	0.000300	0.48	3.60	3.65	0.15
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP18H	-0.03	24.29	26.44		26.44	0.000000	-0.01	4.84	4.32	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP18H	-0.01	24.29	26.37		26.37	0.000000	0.00	4.55	4.13	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP24H	-0.02	24.29	26.44		26.44	0.000000	0.00	4.85	4.33	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP24H	0.00	24.29	26.37		26.37	0.000000	0.00	4.56	4.14	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP36H	-0.02	24.29	26.43		26.43	0.000000	0.00	4.81	4.30	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP36H	0.00	24.29	26.37		26.37	0.000000	0.00	4.56	4.14	0.00
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP01H	1.92	24.29	26.03		26.05	0.000436	0.58	3.33	3.27	0.18
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP01H	2.06	24.29	26.10		26.12	0.000427	0.58	3.55	3.42	0.18
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP03H	1.34	24.29	25.96		25.97	0.000257	0.43	3.09	3.11	0.14
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP03H	2.07	24.29	26.09		26.11	0.000442	0.59	3.53	3.41	0.18
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP06H	1.64	24.29	26.09		26.10	0.000281	0.47	3.51	3.39	0.15
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP06H	1.81	24.29	25.98		25.99	0.000454	0.58	3.14	3.14	0.18
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR030 TP09H	1.52	24.29	26.05		26.06	0.000266	0.45	3.36	3.30	0.14
Fosso Fibianna	Fibianna2	0.05500	Max WS	IC TR200 TP09H	1.73	24.29	26.14		26.16	0.000273	0.47	3.70	3.52	0.15
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP18H	-0.02	24.25	26.44		26.44	0.000000	0.00	4.98	4.23	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP18H	-0.01	24.25	26.37		26.37	0.000000	0.00	4.70	4.04	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP24H	-0.02	24.25	26.44		26.44	0.000000	0.00	5.00	4.24	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP24H	0.00	24.25	26.37		26.37	0.000000	0.00	4.71	4.04	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP36H	-0.01	24.25	26.43		26.43	0.000000	0.00	4.95	4.21	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP36H	0.00	24.25	26.37		26.37	0.000000	0.00	4.71	4.04	0.00
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP01H	1.94	24.25	26.02		26.03	0.000404	0.56	3.44	3.23	0.17
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP01H	2.09	24.25	26.08		26.10	0.000401	0.57	3.66	3.37	0.17
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP03H	1.34	24.25	25.95		25.96	0.000228	0.42	3.22	3.11	0.13
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP03H	2.10	24.25	26.08		26.09	0.000412	0.58	3.64	3.36	0.18
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP06H	1.64	24.25	26.08		26.09	0.000252	0.45	3.64	3.36	0.14
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP06H	1.82	24.25	25.96		25.97	0.000414	0.56	3.25	3.12	0.18
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR030 TP09H	1.52	24.25	26.04		26.05	0.000239	0.43	3.50	3.27	0.13
Fosso Fibianna	Fibianna2	0.05	Max WS	IC TR200 TP09H	1.74	24.25	26.13		26.14	0.000249	0.45	3.83	3.47	0.14
Fosso Fibianna	Fibianna2	0.04750	Max WS	IC TR200 TP18H	-0.02	24.26	26.44		26.44	0.000000	0.00	5.11	4.35	0.00
Fosso Fibianna	Fibianna2	0.04750	Max WS	IC TR030 TP18H	-0.01	24.26	26.37		26.37	0.000000	0.00	4.82	4.16	0.00
Fosso Fibianna	Fibianna2	0.04750	Max WS	IC TR200 TP24H	-0.02	24.26	26.44		26.44	0.000000	0.00	5.12	4.36	0.00
Fosso Fibianna	Fibianna2	0.04750	Max WS	IC TR030 TP24H	0.00</									

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR200_TP36H	-0.01	24.27	26.43		26.43	0.000000	0.00	5.29	4.60	0.00
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR030_TP36H	0.00	24.27	26.37		26.37	0.000000	0.00	5.03	4.43	0.00
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR030_TP01H	1.96	24.27	26.00		26.02	0.000367	0.55	3.59	3.49	0.17
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR200_TP01H	2.11	24.27	26.07		26.08	0.000363	0.55	3.82	3.62	0.17
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR030_TP03H	1.34	24.27	25.94		25.95	0.000203	0.40	3.38	3.39	0.13
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR200_TP03H	2.12	24.27	26.06		26.08	0.000371	0.56	3.80	3.60	0.17
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR200_TP06H	1.64	24.27	26.07		26.08	0.000219	0.43	3.83	3.62	0.13
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR030_TP06H	1.83	24.27	25.94		25.96	0.000377	0.54	3.38	3.39	0.17
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR030_TP09H	1.53	24.27	26.03		26.04	0.000210	0.42	3.68	3.53	0.13
Fosso Fibbiana	Fibbiana2	0.04250	Max WS	IC_TR200_TP09H	1.75	24.27	26.13		26.14	0.000218	0.43	4.03	3.76	0.13
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP18H	-0.02	24.27	26.44		26.44	0.000000	0.00	5.42	4.76	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP18H	-0.01	24.27	26.37		26.37	0.000000	0.00	5.10	4.55	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP24H	-0.01	24.27	26.44		26.44	0.000000	0.00	5.44	4.77	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP24H	0.00	24.27	26.37		26.37	0.000000	0.00	5.11	4.56	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP36H	-0.01	24.27	26.43		26.43	0.000000	0.00	5.39	4.74	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP36H	0.00	24.27	26.37		26.37	0.000000	0.00	5.11	4.56	0.00
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP01H	1.96	24.27	26.00		26.01	0.000363	0.54	3.62	3.57	0.17
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP01H	2.12	24.27	26.06		26.08	0.000359	0.55	3.86	3.69	0.17
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP03H	1.35	24.27	25.94		25.95	0.000199	0.39	3.41	3.47	0.13
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP03H	2.13	24.27	26.06		26.07	0.000365	0.55	3.84	3.68	0.17
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP06H	1.64	24.27	26.07		26.08	0.000213	0.42	3.87	3.70	0.13
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP06H	1.84	24.27	25.94		25.95	0.000373	0.54	3.41	3.47	0.17
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR030_TP09H	1.53	24.27	26.02		26.03	0.000205	0.41	3.72	3.62	0.13
Fosso Fibbiana	Fibbiana2	0.04	Max WS	IC_TR200_TP09H	1.75	24.27	26.12		26.13	0.000211	0.43	4.08	3.81	0.13
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP18H	-0.01	24.25	26.44		26.44	0.000000	0.00	5.44	4.83	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP18H	-0.01	24.25	26.37		26.37	0.000000	0.00	5.12	4.62	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP24H	-0.01	24.25	26.44		26.44	0.000000	0.00	5.46	4.84	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP24H	0.00	24.25	26.37		26.37	0.000000	0.00	5.12	4.63	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP36H	-0.01	24.25	26.43		26.43	0.000000	0.00	5.40	4.81	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP36H	0.00	24.25	26.37		26.37	0.000000	0.00	5.13	4.63	0.00
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP01H	1.97	24.25	25.99		26.01	0.000384	0.55	3.58	3.61	0.18
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP01H	2.14	24.25	26.06		26.07	0.000378	0.56	3.83	3.74	0.18
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP03H	1.35	24.25	25.94		25.94	0.000207	0.40	3.39	3.50	0.13
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP03H	2.13	24.25	26.05		26.07	0.000385	0.56	3.80	3.72	0.18
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP06H	1.64	24.25	26.06		26.07	0.000220	0.43	3.85	3.75	0.13
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP06H	1.84	24.25	25.93		25.95	0.000392	0.55	3.37	3.49	0.18
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR030_TP09H	1.53	24.25	26.02		26.03	0.000213	0.41	3.69	3.67	0.13
Fosso Fibbiana	Fibbiana2	0.03667	Max WS	IC_TR200_TP09H	1.75	24.25	26.12		26.13	0.000219	0.43	4.06	3.88	0.13
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP18H	-0.01	24.23	26.44		26.44	0.000000	0.00	5.45	4.89	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP18H	-0.01	24.23	26.37		26.37	0.000000	0.00	5.12	4.68	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP24H	-0.01	24.23	26.44		26.44	0.000000	0.00	5.46	4.90	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP24H	0.00	24.23	26.37		26.37	0.000000	0.00	5.13	4.69	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP36H	-0.01	24.23	26.43		26.43	0.000000	0.00	5.41	4.86	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP36H	0.00	24.23	26.37		26.37	0.000000	0.00	5.13	4.69	0.00
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP01H	1.98	24.23	25.98		26.00	0.000410	0.56	3.53	3.62	0.18
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP01H	2.15	24.23	26.05		26.07	0.000405	0.57	3.78	3.77	0.18
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP03H	1.35	24.23	25.93		25.94	0.000217	0.40	3.35	3.50	0.13
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP03H	2.14	24.23	26.04		26.06	0.000411	0.57	3.75	3.76	0.18
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP06H	1.64	24.23	26.06		26.07	0.000231	0.43	3.81	3.79	0.14
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP06H	1.85	24.23	25.92		25.94	0.000417	0.56	3.32	3.48	0.18
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR030_TP09H	1.53	24.23	26.02		26.03	0.000224	0.42	3.66	3.70	0.13
Fosso Fibbiana	Fibbiana2	0.03333	Max WS	IC_TR200_TP09H	1.76	24.23	26.11		26.12	0.000230	0.44	4.03	3.95	0.14
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP18H	-0.01	24.21	26.44		26.44	0.000000	0.00	5.45	4.94	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP18H	-0.01	24.21	26.37		26.37	0.000000	0.00	5.12	4.73	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP24H	-0.01	24.21	26.44		26.44	0.000000	0.00	5.46	4.95	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP24H	0.00	24.21	26.37		26.37	0.000000	0.00	5.12	4.74	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP36H	-0.01	24.21	26.43		26.43	0.000000	0.00	5.41	4.91	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP36H	0.00	24.21	26.37		26.37	0.000000	0.00	5.13	4.74	0.00
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP01H	1.99	24.21	25.97		25.99	0.000439	0.57	3.48	3.60	0.19
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP01H	2.16	24.21	26.04		26.06	0.000437	0.58	3.73	3.79	0.19
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP03H	1.35	24.21	25.93		25.94	0.000228	0.41	3.31	3.47	0.13
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP03H	2.15	24.21	26.03		26.05	0.000441	0.58	3.70	3.77	0.19
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP06H	1.64	24.21	26.05		26.06	0.000243	0.43	3.78	3.83	0.14
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP06H	1.85	24.21	25.91		25.93	0.000442	0.57	3.27	3.43	0.19
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR030_TP09H	1.54	24.21	26.01		26.02	0.000237	0.42	3.62	3.71	0.14
Fosso Fibbiana	Fibbiana2	0.03	Max WS	IC_TR200_TP09H	1.76	24.21	26.11		26.12	0.000243	0.44	4.00	3.99	0.14
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP18H	-0.01	24.24	26.44		26.44	0.000000	0.00	5.04	4.68	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP18H	-0.01	24.24	26.37		26.37	0.000000	0.00	4.73	4.49	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP24H	0.00	24.24	26.44		26.44	0.000000	0.00	5.06	4.69	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP24H	0.00	24.24	26.37		26.37	0.000000	0.00	4.73	4.49	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP36H	0.00	24.24	26.43		26.43	0.000000	0.00	5.01	4.66	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP36H	0.00	24.24	26.37		26.37	0.000000	0.00	4.74	4.50	0.00
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP01H	2.00	24.24	25.96		25.98	0.000607	0.65	3.10	3.42	0.22
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP01H	2.18	24.24	26.02		26.04	0.000597	0.65	3.34	3.59	0.22
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP03H	1.35	24.24	25.92		25.93	0.000308	0.45	2.98	3.33	0.15
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP03H	2.17	24.24	26.02		26.04	0.000602	0.65	3.31	3.57	0.22
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP06H	1.64	24.24	26.05		26.06	0.000318	0.48	3.42	3.65	0.16
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP06H	1.86	24.24	25.90		25.92	0.000617	0.64	2.90	3.27	0.22
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR030_TP09H	1.54	24.24	26.00		26.01	0.000314	0.47	3.27	3.54	0.16
Fosso Fibbiana	Fibbiana2	0.02667	Max WS	IC_TR200_TP09H	1.76	24.24	26.10		26.11	0.000316	0.49	3.63	3.79	0.16
Fosso Fibbiana	Fibbiana2	0.02333	Max WS	IC_TR200_TP18H	0.00	24.28	26.44		26.44	0.000000	0.00	4.66	4.42	0.00
Fosso Fibbiana	Fibbiana2	0.02333	Max WS	IC_TR030_TP18H	-0.01	24.28	26.37		26.37	0.000000	0.00	4.36	4.24	0.00
Fosso Fibbiana	Fibbiana2	0.02333	Max WS	IC_TR200_TP24H	0.00									

HEC-RAS Profile: Max WS (Continued)

River	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
Fosso Fibianna	Fibianna2	0.02	Max WS	IC TR200 TP06H	1.64	24.31	26.02		26.03	0.000610	0.60	2.74	3.25	0.21
Fosso Fibianna	Fibianna2	0.02	Max WS	IC TR030 TP06H	1.87	24.31	25.83		25.87	0.001472	0.86	2.17	2.87	0.32
Fosso Fibianna	Fibianna2	0.02	Max WS	IC TR030 TP09H	1.54	24.31	25.97		25.99	0.000619	0.59	2.60	3.17	0.21
Fosso Fibianna	Fibianna2	0.02	Max WS	IC TR200 TP09H	1.77	24.31	26.07		26.09	0.000597	0.61	2.92	3.36	0.21
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP18H	0.00	24.28	26.44		26.44	0.000000	0.00	4.38	4.42	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP18H	-0.01	24.28	26.37		26.37	0.000000	0.00	4.09	4.25	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP24H	0.00	24.28	26.44		26.44	0.000000	0.00	4.40	4.43	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP24H	0.00	24.28	26.37		26.37	0.000000	0.00	4.09	4.25	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP36H	0.00	24.28	26.43		26.43	0.000000	0.00	4.35	4.40	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP36H	0.00	24.28	26.37		26.37	0.000000	0.00	4.10	4.25	0.00
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP01H	2.03	24.28	25.86		25.90	0.001622	0.90	2.26	2.95	0.33
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP01H	2.21	24.28	25.93		25.97	0.001529	0.89	2.47	3.13	0.32
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP03H	1.36	24.28	25.88		25.89	0.000689	0.59	2.31	2.99	0.21
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP03H	1.57	24.28	25.97		25.99	0.000669	0.60	2.61	3.24	0.21
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP06H	1.64	24.28	26.00		26.02	0.000660	0.61	2.71	3.32	0.21
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP06H	1.87	24.28	25.80		25.84	0.001712	0.90	2.08	2.79	0.33
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR030 TP09H	1.54	24.28	25.96		25.98	0.000671	0.60	2.57	3.21	0.21
Fosso Fibianna	Fibianna2	0.01767	Max WS	IC TR200 TP09H	1.77	24.28	26.06		26.08	0.000644	0.61	2.90	3.46	0.21
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP18H	0.00	24.24	26.44		26.44	0.000000	0.00	4.34	4.49	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP18H	0.00	24.24	26.37		26.37	0.000000	0.00	4.04	4.27	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP24H	0.00	24.24	26.44		26.44	0.000000	0.00	4.35	4.50	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP24H	0.00	24.24	26.37		26.37	0.000000	0.00	4.04	4.28	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP36H	0.00	24.24	26.43		26.43	0.000000	0.00	4.30	4.47	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP36H	0.00	24.24	26.37		26.37	0.000000	0.00	4.05	4.28	0.00
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP01H	2.03	24.24	25.82		25.87	0.001790	0.93	2.19	2.58	0.32
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP01H	2.21	24.24	25.90		25.94	0.001741	0.93	2.38	2.77	0.32
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP03H	1.36	24.24	25.86		25.88	0.000718	0.59	2.29	2.67	0.20
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP03H	1.57	24.24	25.96		25.98	0.000731	0.61	2.56	2.97	0.21
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP06H	1.64	24.24	25.99		26.01	0.000730	0.62	2.65	3.07	0.21
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP06H	1.18	24.24	25.78		25.80	0.000698	0.57	2.07	2.50	0.20
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR030 TP09H	1.54	24.24	25.95		25.97	0.000731	0.61	2.52	2.94	0.21
Fosso Fibianna	Fibianna2	0.01533	Max WS	IC TR200 TP09H	1.77	24.24	26.05		26.07	0.000724	0.63	2.83	3.25	0.21
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP18H	0.00	24.21	26.44		26.44	0.000000	0.00	4.05	4.22	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP18H	0.00	24.21	26.37		26.37	0.000000	0.00	3.77	3.95	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP24H	0.00	24.21	26.44		26.44	0.000000	0.00	4.06	4.23	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP24H	0.00	24.21	26.37		26.37	0.000000	0.00	3.77	3.96	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP36H	0.00	24.21	26.43		26.43	0.000000	0.00	4.02	4.19	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP36H	0.00	24.21	26.37		26.37	0.000000	0.00	3.78	3.96	0.00
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP01H	2.03	24.21	25.78		25.84	0.001517	1.03	1.97	2.53	0.37
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP01H	2.21	24.21	25.86		25.91	0.001400	1.03	2.16	2.64	0.36
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP03H	1.36	24.21	25.85		25.87	0.000540	0.64	2.14	2.63	0.22
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP03H	1.57	24.21	25.94		25.97	0.000527	0.66	2.40	2.77	0.22
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP06H	1.64	24.21	25.98		26.00	0.000521	0.66	2.48	2.82	0.22
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP06H	1.18	24.21	25.77		25.78	0.000547	0.61	1.93	2.50	0.22
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR030 TP09H	1.54	24.21	25.93		25.95	0.000528	0.65	2.37	2.75	0.23
Fosso Fibianna	Fibianna2	0.013	Max WS	IC TR200 TP09H	1.77	24.21	26.03		26.05	0.000512	0.67	2.64	2.90	0.22
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP18H	0.00	24.20	26.44	24.21	26.44	0.000000	0.00	1.98	4.26	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP18H	0.01	24.20	26.37	24.22	26.37	0.000000	0.00	1.91	4.00	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP24H	0.00	24.20	26.44	24.21	26.44	0.000000	0.00	1.98	4.27	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP24H	0.00	24.20	26.37	24.21	26.37	0.000000	0.00	1.91	4.00	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP36H	0.00	24.20	26.43	24.21	26.43	0.000000	0.00	1.97	4.23	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP36H	0.00	24.20	26.37	24.21	26.37	0.000000	0.00	1.91	4.00	0.00
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP01H	2.03	24.20	25.63	25.25	25.80	0.004950	1.79	1.13	2.19	0.54
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP01H	1.25	24.20	25.76	25.04	25.81	0.001398	0.99	1.26	2.41	0.29
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP03H	1.36	24.20	25.80	25.07	25.86	0.001484	1.04	1.31	2.49	0.30
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP03H	1.57	24.20	25.89	25.13	25.95	0.001649	1.12	1.40	2.64	0.31
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP06H	1.64	24.20	25.91	25.15	25.98	0.001701	1.15	1.43	2.69	0.31
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP06H	1.18	24.20	25.73	25.02	25.77	0.001337	0.96	1.23	2.36	0.28
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR030 TP09H	1.54	24.20	25.88	25.13	25.94	0.001630	1.11	1.39	2.62	0.31
Fosso Fibianna	Fibianna2	0.0129	Max WS	IC TR200 TP09H	1.77	24.20	25.96	25.18	26.04	0.001794	1.20	1.48	2.78	0.32
Fosso Fibianna	Fibianna2	0.0125												
Fosso Fibianna	Fibianna2				Inl Struct									
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP18H	2.62	24.16	25.37	25.35	25.80	0.015984	2.90	0.90	1.79	0.98
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP18H	2.59	24.16	25.36	25.35	25.79	0.015956	2.89	0.90	1.77	0.98
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP24H	2.07	24.16	25.25	25.22	25.60	0.014854	2.62	0.79	1.58	0.94
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP24H	2.00	24.16	25.24	25.22	25.58	0.014512	2.57	0.78	1.56	0.93
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP36H	2.09	24.16	25.26	25.22	25.61	0.014966	2.64	0.79	1.59	0.95
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP36H	2.01	24.16	25.24	25.22	25.58	0.014583	2.58	0.78	1.56	0.94
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP01H	2.03	24.16	25.30	25.22	25.60	0.011927	2.42	0.84	1.67	0.85
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP01H	2.21	24.16	25.33	25.22	25.66	0.012662	2.54	0.87	1.73	0.87
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP03H	1.38	24.16	25.15	25.22	25.36	0.010020	2.01	0.69	1.40	0.77
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP03H	2.19	24.16	25.33	25.22	25.66	0.012346	2.51	0.87	1.73	0.86
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP06H	2.04	24.16	25.30	25.22	25.60	0.011947	2.42	0.84	1.67	0.85
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP06H	1.87	24.16	25.27	25.22	25.54	0.011505	2.33	0.80	1.61	0.83
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR030 TP09H	1.75	24.16	25.24	25.22	25.50	0.011178	2.25	0.77	1.56	0.82
Fosso Fibianna	Fibianna2	0.012	Max WS	IC TR200 TP09H	1.95	24.16	25.28	25.22	25.57	0.011720	2.37	0.82	1.64	0.84
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR200 TP18H	2.62	24.16	25.30	25.28	25.53	0.009297	2.12	1.24	2.48	0.96
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR030 TP18H	2.59	24.16	25.30	25.28	25.52	0.009259	2.11	1.23	2.47	0.95
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR200 TP24H	2.05	24.16	25.25	25.22	25.42	0.007787	1.85	1.11	2.34	0.86
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR030 TP24H	1.98	24.16	25.24	25.22	25.41	0.007461	1.81	1.09	2.33	0.84
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR200 TP36H	2.08	24.16	25.25	25.22	25.43	0.007878	1.87	1.11	2.34	0.87
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR030 TP36H	1.99	24.16	25.24	25.22	25.41	0.007512	1.81	1.10	2.33	0.84
Fosso Fibianna	Fibianna2	0.0119	Max WS	IC TR030 TP01H	2.03	24.16	25.19							

River	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
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP18H	0.55	24.69	27.24		27.24	0.000003	0.06	8.77	6.04	0.02
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP18H	0.35	24.69	27.16		27.16	0.000001	0.04	8.28	5.87	0.01
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP24H	0.46	24.69	27.20		27.20	0.000002	0.05	8.55	5.97	0.01
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP24H	0.29	24.69	27.13		27.13	0.000001	0.04	8.10	5.81	0.01
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP36H	0.33	24.69	27.15		27.15	0.000001	0.04	8.25	5.86	0.01
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP36H	0.25	24.69	27.09		27.09	0.000001	0.03	7.91	5.74	0.01
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP01H	5.62	24.69	27.14		27.17	0.000344	0.69	8.20	5.85	0.18
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP01H	4.23	24.69	27.19		27.20	0.000180	0.50	8.45	5.93	0.13
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP03H	3.36	24.69	27.02		27.03	0.000157	0.45	7.49	5.60	0.12
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP03H	3.93	24.69	27.23		27.24	0.000144	0.45	8.70	6.02	0.12
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP06H	3.62	24.69	27.26		27.27	0.000114	0.41	8.91	6.09	0.11
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP06H	3.69	24.69	27.18		27.19	0.000138	0.44	8.44	5.93	0.12
Cortenuova	Cortenuova	10.5	Max WS	IC_TR030_TP09H	3.33	24.69	27.16		27.17	0.000118	0.40	8.29	5.88	0.11
Cortenuova	Cortenuova	10.5	Max WS	IC_TR200_TP09H	3.48	24.69	27.24		27.25	0.000109	0.40	8.80	6.05	0.10
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP18H	0.55	24.69	27.24		27.24	0.000003	0.06	8.77	6.04	0.02
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP18H	0.35	24.69	27.16		27.16	0.000001	0.04	8.28	5.87	0.01
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP24H	0.46	24.69	27.20		27.20	0.000002	0.05	8.55	5.97	0.01
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP24H	0.29	24.69	27.13		27.13	0.000001	0.04	8.10	5.81	0.01
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP36H	0.33	24.69	27.15		27.15	0.000001	0.04	8.25	5.86	0.01
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP36H	0.25	24.69	27.09		27.09	0.000001	0.03	7.91	5.74	0.01
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP01H	5.62	24.69	27.14		27.17	0.000345	0.69	8.19	5.84	0.18
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP01H	4.23	24.69	27.19		27.20	0.000180	0.50	8.45	5.93	0.13
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP03H	3.36	24.69	27.02		27.03	0.000157	0.45	7.49	5.60	0.12
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP03H	3.93	24.69	27.23		27.24	0.000144	0.45	8.70	6.01	0.12
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP06H	3.62	24.69	27.26		27.27	0.000115	0.41	8.91	6.08	0.11
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP06H	3.69	24.69	27.18		27.19	0.000137	0.44	8.44	5.93	0.12
Cortenuova	Cortenuova	10.4	Max WS	IC_TR030_TP09H	3.33	24.69	27.16		27.17	0.000118	0.40	8.29	5.88	0.11
Cortenuova	Cortenuova	10.4	Max WS	IC_TR200_TP09H	3.48	24.69	27.24		27.25	0.000109	0.40	8.80	6.05	0.10
Cortenuova	Cortenuova	10.39												
					Lat Struct									
Cortenuova	Cortenuova	10.38												
					Lat Struct									
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP18H	0.55	24.67	27.24		27.24	0.000003	0.06	8.95	6.08	0.02
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP18H	0.35	24.67	27.16		27.16	0.000001	0.04	8.45	5.91	0.01
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP24H	0.46	24.67	27.20		27.20	0.000002	0.05	8.73	6.01	0.01
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP24H	0.29	24.67	27.13		27.13	0.000001	0.03	8.28	5.86	0.01
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP36H	0.33	24.67	27.15		27.15	0.000001	0.04	8.43	5.91	0.01
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP36H	0.25	24.67	27.09		27.09	0.000001	0.03	8.08	5.79	0.01
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP01H	5.57	24.67	27.13		27.16	0.000325	0.67	8.32	5.87	0.18
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP01H	4.20	24.67	27.18		27.19	0.000169	0.49	8.60	5.97	0.13
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP03H	3.36	24.67	27.02		27.02	0.000148	0.44	7.64	5.63	0.12
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP03H	3.93	24.67	27.22		27.23	0.000137	0.44	8.85	6.05	0.12
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP06H	3.62	24.67	27.26		27.27	0.000109	0.40	9.07	6.12	0.10
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP06H	3.67	24.67	27.18		27.19	0.000129	0.43	8.59	5.96	0.11
Cortenuova	Cortenuova	10.356	Max WS	IC_TR030_TP09H	3.33	24.67	27.16		27.16	0.000112	0.39	8.45	5.91	0.11
Cortenuova	Cortenuova	10.356	Max WS	IC_TR200_TP09H	3.48	24.67	27.24		27.25	0.000104	0.39	8.96	6.08	0.10
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP18H	0.55	24.65	27.24		27.24	0.000003	0.06	9.12	6.12	0.02
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP18H	0.35	24.65	27.16		27.16	0.000001	0.04	8.63	5.96	0.01
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP24H	0.46	24.65	27.20		27.20	0.000002	0.05	8.90	6.05	0.01
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP24H	0.29	24.65	27.13		27.13	0.000001	0.03	8.45	5.90	0.01
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP36H	0.33	24.65	27.15		27.15	0.000001	0.04	8.60	5.95	0.01
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP36H	0.25	24.65	27.09		27.09	0.000001	0.03	8.25	5.83	0.01
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP01H	5.57	24.65	27.13		27.15	0.000311	0.66	8.45	5.90	0.18
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP01H	4.16	24.65	27.18		27.19	0.000158	0.48	8.76	6.00	0.13
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP03H	3.36	24.65	27.01		27.02	0.000141	0.43	7.78	5.67	0.12
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP03H	3.67	24.65	27.21		27.23	0.000114	0.41	9.01	6.08	0.11
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP06H	3.61	24.65	27.26		27.26	0.000104	0.39	9.23	6.15	0.10
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP06H	3.67	24.65	27.18		27.19	0.000123	0.42	8.75	6.00	0.11
Cortenuova	Cortenuova	10.311	Max WS	IC_TR030_TP09H	3.33	24.65	27.15		27.16	0.000106	0.39	8.61	5.95	0.10
Cortenuova	Cortenuova	10.311	Max WS	IC_TR200_TP09H	3.48	24.65	27.24		27.25	0.000099	0.38	9.12	6.12	0.10
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP18H	0.55	24.64	27.24		27.24	0.000002	0.06	9.30	6.16	0.02
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP18H	0.35	24.64	27.16		27.16	0.000001	0.04	8.80	6.00	0.01
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP24H	0.46	24.64	27.20		27.20	0.000002	0.05	9.08	6.09	0.01
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP24H	0.29	24.64	27.13		27.13	0.000001	0.03	8.63	5.94	0.01
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP36H	0.33	24.64	27.15		27.15	0.000001	0.04	8.78	5.99	0.01
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP36H	0.24	24.64	27.09		27.09	0.000001	0.03	8.43	5.87	0.01
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP01H	5.56	24.64	27.12		27.14	0.000297	0.65	8.58	5.92	0.17
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP01H	4.15	24.64	27.17		27.19	0.000150	0.47	8.91	6.03	0.12
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP03H	3.36	24.64	27.01		27.02	0.000133	0.42	7.93	5.70	0.11
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP03H	3.66	24.64	27.22		27.23	0.000108	0.40	9.17	6.12	0.10
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP06H	3.61	24.64	27.25		27.26	0.000099	0.38	9.40	6.19	0.10
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP06H	3.66	24.64	27.17		27.18	0.000117	0.41	8.91	6.03	0.11
Cortenuova	Cortenuova	10.267	Max WS	IC_TR030_TP09H	3.33	24.64	27.15		27.16	0.000101	0.38	8.77	5.98	0.10
Cortenuova	Cortenuova	10.267	Max WS	IC_TR200_TP09H	3.48	24.64	27.24		27.24	0.000094	0.37	9.29	6.15	0.10
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP18H	0.55	24.62	27.24		27.24	0.000002	0.06	9.49	6.20	0.02
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP18H	0.35	24.62	27.16		27.16	0.000001	0.04	8.99	6.04	0.01
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP24H	0.46	24.62	27.20		27.20	0.000002	0.05	9.27	6.13	0.01
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP24H	0.29	24.62	27.13		27.13	0.000001	0.03	8.81	5.98	0.01
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP36H	0.33	24.62	27.15		27.15	0.000001	0.04	8.96	6.03	0.01
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP36H	0.24	24.62	27.09		27.09	0.000001	0.03	8.60	5.91	0.01
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP01H	5.53	24.62	27.11		27.13	0.000281	0.63	8.71	5.95	0.17
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP01H	4.14	24.62	27.17		27.18	0.000142	0.46	9.07	6.07	0.12
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP03H	3.36	24.62	27.00		27.01	0.000126	0.42	8.09	5.74	0.11
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP03H	3.65	24.62	27.21		27.22	0.000102	0.39	9.34	6.15	0.10
Cortenuova	Cortenuova	10.222	Max WS	IC_TR200_TP06H	3.61	24.62	27.25		27.26	0.000094	0.38	9.57	6.22	0.10
Cortenuova	Cortenuova	10.222	Max WS	IC_TR030_TP06H	3.66	24.62	27.17		27.18	0.000110	0.40	9.07	6.07</	

River	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
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP18H	0.35	24.58	27.16		27.16	0.000001	0.04	9.35	6.12	0.01
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP24H	0.46	24.58	27.20		27.20	0.000001	0.05	9.63	6.20	0.01
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP24H	0.29	24.58	27.13		27.13	0.000001	0.03	9.17	6.06	0.01
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP36H	0.33	24.58	27.15		27.15	0.000001	0.04	9.33	6.11	0.01
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP36H	0.25	24.58	27.09		27.09	0.000001	0.03	8.96	5.99	0.01
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP01H	5.48	24.58	27.10		27.12	0.000254	0.61	8.99	6.00	0.16
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP01H	4.12	24.58	27.16		27.17	0.000127	0.44	9.40	6.13	0.11
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP03H	3.36	24.58	27.00		27.01	0.000114	0.40	8.41	5.81	0.11
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP03H	3.62	24.58	27.21		27.22	0.000091	0.37	9.68	6.22	0.10
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP06H	3.61	24.58	27.25		27.25	0.000085	0.36	9.91	6.29	0.09
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP06H	3.65	24.58	27.17		27.17	0.000100	0.39	9.41	6.13	0.10
Cortenuova	Cortenuova	10.133	Max WS	IC_TR030_TP09H	3.33	24.58	27.14		27.15	0.000086	0.36	9.27	6.09	0.09
Cortenuova	Cortenuova	10.133	Max WS	IC_TR200_TP09H	3.48	24.58	27.23		27.24	0.000081	0.35	9.80	6.26	0.09
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP18H	0.55	24.57	27.24		27.24	0.000002	0.06	10.05	6.31	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP18H	0.35	24.57	27.16		27.16	0.000001	0.04	9.54	6.15	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP24H	0.46	24.57	27.20		27.20	0.000001	0.05	9.82	6.24	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP24H	0.29	24.57	27.13		27.13	0.000001	0.03	9.35	6.10	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP36H	0.33	24.57	27.15		27.15	0.000001	0.03	9.51	6.15	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP36H	0.25	24.57	27.09		27.09	0.000000	0.03	9.15	6.03	0.01
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP01H	5.47	24.57	27.09		27.11	0.000242	0.60	9.14	6.03	0.16
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP01H	4.08	24.57	27.16		27.17	0.000119	0.43	9.57	6.16	0.11
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP03H	3.36	24.57	27.00		27.00	0.000108	0.39	8.57	5.85	0.10
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP03H	3.62	24.57	27.21		27.21	0.000087	0.37	9.86	6.25	0.09
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP06H	3.61	24.57	27.24		27.25	0.000081	0.36	10.09	6.32	0.09
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP06H	3.64	24.57	27.16		27.17	0.000095	0.38	9.58	6.17	0.10
Cortenuova	Cortenuova	10.089	Max WS	IC_TR030_TP09H	3.33	24.57	27.14		27.15	0.000082	0.35	9.44	6.12	0.09
Cortenuova	Cortenuova	10.089	Max WS	IC_TR200_TP09H	3.47	24.57	27.23		27.23	0.000077	0.35	9.98	6.29	0.09
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP18H	0.07	24.55	27.24		27.24	0.000000	0.01	10.24	6.34	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP18H	0.02	24.55	27.16		27.16	0.000000	0.00	9.72	6.19	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP24H	0.05	24.55	27.20		27.20	0.000000	0.00	10.01	6.28	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP24H	0.01	24.55	27.13		27.13	0.000000	0.00	9.54	6.13	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP36H	0.01	24.55	27.15		27.15	0.000000	0.00	9.70	6.18	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP36H	0.01	24.55	27.09		27.09	0.000000	0.00	9.33	6.07	0.00
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP01H	3.67	24.55	27.09		27.10	0.000103	0.39	9.34	6.07	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP01H	3.84	24.55	27.16		27.17	0.000101	0.39	9.74	6.20	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP03H	3.44	24.55	26.99		27.00	0.000108	0.39	8.73	5.88	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP03H	3.91	24.55	27.20		27.21	0.000096	0.39	10.02	6.28	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP06H	4.00	24.55	27.24		27.25	0.000095	0.39	10.25	6.35	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP06H	3.80	24.55	27.16		27.17	0.000098	0.39	9.75	6.20	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR030_TP09H	3.74	24.55	27.14		27.15	0.000099	0.39	9.60	6.15	0.10
Cortenuova	Cortenuova 2	10.044	Max WS	IC_TR200_TP09H	3.95	24.55	27.22		27.23	0.000096	0.39	10.14	6.32	0.10
Cortenuova	Cortenuova 2	10.03												
Cortenuova	Cortenuova 2	10.02												
Cortenuova	Cortenuova 2	10												
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP18H	0.07	24.53	27.24		27.24	0.000000	0.01	10.43	6.38	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP18H	0.02	24.53	27.16		27.16	0.000000	0.00	9.91	6.23	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP24H	0.05	24.53	27.20		27.20	0.000000	0.00	10.20	6.31	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP24H	0.01	24.53	27.13		27.13	0.000000	0.00	9.73	6.17	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP36H	0.01	24.53	27.15		27.15	0.000000	0.00	9.89	6.22	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP36H	0.01	24.53	27.09		27.09	0.000000	0.00	9.52	6.11	0.00
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP01H	3.67	24.53	27.09		27.10	0.000098	0.39	9.52	6.11	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP01H	3.84	24.53	27.16		27.16	0.000096	0.39	9.92	6.23	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP03H	3.44	24.53	26.99		27.00	0.000102	0.39	8.90	5.92	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP03H	3.91	24.53	27.20		27.21	0.000092	0.38	10.20	6.31	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP06H	4.00	24.53	27.24		27.25	0.000091	0.38	10.43	6.38	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP06H	3.80	24.53	27.16		27.17	0.000094	0.38	9.92	6.23	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR030_TP09H	3.74	24.53	27.13		27.14	0.000095	0.38	9.78	6.19	0.10
Cortenuova	Cortenuova 2	10	Max WS	IC_TR200_TP09H	3.95	24.53	27.22		27.23	0.000091	0.38	10.32	6.35	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP18H	0.07	24.52	27.24		27.24	0.000000	0.01	10.60	6.47	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP18H	0.02	24.52	27.16		27.16	0.000000	0.00	10.08	6.31	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP24H	0.05	24.52	27.20		27.20	0.000000	0.00	10.37	6.40	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP24H	0.01	24.52	27.13		27.13	0.000000	0.00	9.89	6.26	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP36H	0.01	24.52	27.15		27.15	0.000000	0.00	10.05	6.31	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP36H	0.01	24.52	27.09		27.09	0.000000	0.00	9.68	6.19	0.00
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP01H	3.67	24.52	27.09		27.10	0.000094	0.38	9.66	6.19	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP01H	3.84	24.52	27.15		27.16	0.000092	0.38	10.07	6.31	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP03H	3.44	24.52	26.99		26.99	0.000098	0.38	9.04	5.99	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP03H	3.91	24.52	27.20		27.21	0.000088	0.38	10.35	6.40	0.09
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP06H	4.00	24.52	27.24		27.24	0.000087	0.38	10.59	6.46	0.09
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP06H	3.80	24.52	27.16		27.16	0.000090	0.38	10.07	6.31	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR030_TP09H	3.74	24.52	27.13		27.14	0.000091	0.38	9.93	6.27	0.10
Cortenuova	Cortenuova 2	9.8333	Max WS	IC_TR200_TP09H	3.95	24.52	27.22		27.23	0.000088	0.38	10.47	6.43	0.09
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP18H	0.07	24.50	27.24		27.24	0.000000	0.01	10.76	6.55	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP18H	0.02	24.50	27.16		27.16	0.000000	0.00	10.23	6.40	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP24H	0.05	24.50	27.20		27.20	0.000000	0.00	10.52	6.48	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP24H	0.01	24.50	27.13		27.13	0.000000	0.00	10.04	6.34	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP36H	0.01	24.50	27.15		27.15	0.000000	0.00	10.20	6.39	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP36H	0.01	24.50	27.09		27.09	0.000000	0.00	9.82	6.27	0.00
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP01H	3.67	24.50	27.09		27.09	0.000091	0.38	9.79	6.26	0.10
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP01H	3.84	24.50	27.15		27.16	0.000089	0.38	10.20	6.39	0.10
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP03H	3.44	24.50	26.98		26.99	0.000095	0.38	9.16	6.07	0.10
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP03H	3.90	24.50	27.20		27.20	0.000085	0.37	10.49	6.48	0.09
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR200_TP06H	4.00	24.50	27.23		27.24	0.000084	0.37	10.73	6.54	0.09
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP06H	3.80	24.50	27.15		27.16	0.000087	0.37	10.20	6.39	0.09
Cortenuova	Cortenuova 2	9.6667	Max WS	IC_TR030_TP0										

HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP24H	0.01	24.47	27.13		27.13	0.000000	0.00	10.29	6.50	0.00
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR200_TP36H	0.01	24.47	27.15		27.15	0.000000	0.00	10.46	6.55	0.00
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP36H	0.01	24.47	27.09		27.09	0.000000	0.00	10.07	6.43	0.00
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP01H	3.67	24.47	27.08		27.09	0.000086	0.37	10.01	6.41	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR200_TP01H	3.84	24.47	27.15		27.15	0.000084	0.37	10.43	6.54	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP03H	3.44	24.47	26.98		26.99	0.000090	0.37	9.36	6.21	0.10
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR200_TP03H	3.90	24.47	27.19		27.20	0.000081	0.36	10.73	6.63	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR200_TP06H	4.00	24.47	27.23		27.24	0.000080	0.36	10.97	6.70	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP06H	3.80	24.47	27.15		27.16	0.000082	0.36	10.44	6.54	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR030_TP09H	3.74	24.47	27.13		27.13	0.000083	0.36	10.29	6.50	0.09
Cortenuova	Cortenuova 2	9.3333	Max WS	IC_TR200_TP09H	3.95	24.47	27.21		27.22	0.000080	0.36	10.86	6.67	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP18H	0.07	24.46	27.24		27.24	0.000000	0.01	11.15	6.80	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP18H	0.02	24.46	27.16		27.16	0.000000	0.00	10.60	6.64	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP24H	0.04	24.46	27.20		27.20	0.000000	0.00	10.90	6.73	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP24H	0.01	24.46	27.13		27.13	0.000000	0.00	10.40	6.58	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP36H	0.01	24.46	27.15		27.15	0.000000	0.00	10.57	6.63	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP36H	0.01	24.46	27.09		27.09	0.000000	0.00	10.18	6.51	0.00
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP01H	3.67	24.46	27.08		27.09	0.000084	0.36	10.10	6.49	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP01H	3.84	24.46	27.15		27.15	0.000082	0.36	10.53	6.61	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP03H	3.44	24.46	26.98		26.98	0.000088	0.36	9.44	6.28	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP03H	3.90	24.46	27.19		27.20	0.000079	0.36	10.83	6.70	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP06H	4.00	24.46	27.23		27.23	0.000078	0.36	11.07	6.78	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP06H	3.80	24.46	27.15		27.15	0.000080	0.36	10.53	6.62	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR030_TP09H	3.74	24.46	27.12		27.13	0.000081	0.36	10.38	6.57	0.09
Cortenuova	Cortenuova 2	9.1667	Max WS	IC_TR200_TP09H	3.95	24.46	27.21		27.22	0.000078	0.36	10.96	6.74	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP18H	0.07	24.44	27.24		27.24	0.000000	0.01	11.25	6.88	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP18H	0.02	24.44	27.16		27.16	0.000000	0.00	10.70	6.71	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP24H	0.04	24.44	27.20		27.20	0.000000	0.00	11.01	6.80	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP24H	0.01	24.44	27.13		27.13	0.000000	0.00	10.50	6.65	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP36H	0.01	24.44	27.15		27.15	0.000000	0.00	10.67	6.70	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP36H	0.00	24.44	27.09		27.09	0.000000	0.00	10.27	6.58	0.00
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP01H	3.67	24.44	27.08		27.08	0.000082	0.36	10.18	6.56	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP01H	3.83	24.44	27.14		27.15	0.000081	0.36	10.61	6.69	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP03H	3.44	24.44	26.98		26.98	0.000086	0.36	9.51	6.35	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP03H	3.90	24.44	27.19		27.20	0.000077	0.36	10.92	6.78	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP06H	4.00	24.44	27.23		27.23	0.000077	0.36	11.17	6.85	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP06H	3.80	24.44	27.14		27.15	0.000079	0.36	10.61	6.69	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR030_TP09H	3.74	24.44	27.12		27.13	0.000080	0.36	10.46	6.64	0.09
Cortenuova	Cortenuova 2	9	Max WS	IC_TR200_TP09H	3.95	24.44	27.21		27.21	0.000077	0.36	11.05	6.82	0.09
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP18H	0.07	24.85	27.24		27.24	0.000000	0.01	10.08	6.50	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP18H	0.02	24.85	27.16		27.16	0.000000	0.00	9.55	6.33	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP24H	0.04	24.85	27.20		27.20	0.000000	0.00	9.84	6.42	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP24H	0.01	24.85	27.13		27.13	0.000000	0.00	9.36	6.27	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP36H	0.01	24.85	27.15		27.15	0.000000	0.00	9.53	6.32	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP36H	0.01	24.85	27.09		27.09	0.000000	0.00	9.15	6.20	0.00
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP01H	3.67	24.85	27.07		27.08	0.000113	0.41	9.03	6.16	0.11
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP01H	3.83	24.85	27.14		27.15	0.000110	0.41	9.44	6.30	0.11
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP03H	3.44	24.85	26.97		26.98	0.000120	0.41	8.40	5.96	0.11
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP03H	3.90	24.85	27.18		27.19	0.000105	0.40	9.73	6.39	0.10
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP06H	4.00	24.85	27.22		27.23	0.000104	0.40	9.96	6.46	0.10
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP06H	3.80	24.85	27.14		27.15	0.000108	0.40	9.44	6.30	0.10
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR030_TP09H	3.74	24.85	27.12		27.12	0.000109	0.40	9.30	6.25	0.11
Cortenuova	Cortenuova 2	8.85	Max WS	IC_TR200_TP09H	3.95	24.85	27.20		27.21	0.000104	0.40	9.85	6.43	0.10
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP18H	0.07	24.46	27.24		27.24	0.000000	0.01	10.01	6.30	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP18H	0.02	24.46	27.16		27.16	0.000000	0.00	9.50	6.15	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP24H	0.04	24.46	27.20		27.20	0.000000	0.00	9.79	6.23	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP24H	0.01	24.46	27.13		27.13	0.000000	0.00	9.32	6.09	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP36H	0.01	24.46	27.15		27.15	0.000000	0.00	9.48	6.14	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP36H	0.01	24.46	27.09		27.09	0.000000	0.00	9.12	6.02	0.00
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP01H	3.67	24.46	27.07		27.08	0.000116	0.41	8.97	5.97	0.11
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP01H	3.83	24.46	27.13		27.14	0.000113	0.41	9.37	6.10	0.11
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP03H	3.43	24.46	26.97		26.97	0.000122	0.41	8.36	5.77	0.11
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP03H	3.90	24.46	27.18		27.19	0.000108	0.40	9.65	6.19	0.10
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP06H	4.00	24.46	27.22		27.22	0.000107	0.41	9.88	6.26	0.10
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP06H	3.80	24.46	27.14		27.14	0.000110	0.41	9.37	6.10	0.10
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR030_TP09H	3.74	24.46	27.11		27.12	0.000112	0.41	9.23	6.06	0.10
Cortenuova	Cortenuova 2	8.7	Max WS	IC_TR200_TP09H	3.95	24.46	27.20		27.21	0.000107	0.40	9.77	6.23	0.10
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP18H	0.01	24.45	27.24	24.46	27.24	0.000000	0.00	12.12	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP18H	0.00	24.45	27.16	24.46	27.16	0.000000	0.00	11.71	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP24H	0.01	24.45	27.20	24.46	27.20	0.000000	0.00	11.94	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP24H	0.00	24.45	27.13	24.46	27.13	0.000000	0.00	11.56	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP36H	0.00	24.45	27.15	24.46	27.15	0.000000	0.00	11.69	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP36H	0.00	24.45	27.09	24.46	27.09	0.000000	0.00	11.39	5.00	0.00
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP01H	3.67	24.45	27.07	25.04	27.07	0.000058	0.33	11.28	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP01H	3.83	24.45	27.14	25.06	27.14	0.000059	0.33	11.61	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP03H	3.43	24.45	26.97	25.02	26.97	0.000058	0.32	10.76	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP03H	3.88	24.45	27.18	25.06	27.19	0.000057	0.33	11.83	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP06H	3.95	24.45	27.22	25.07	27.22	0.000057	0.33	12.02	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP06H	3.79	24.45	27.14	25.05	27.14	0.000058	0.33	11.61	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR030_TP09H	3.74	24.45	27.11	25.05	27.12	0.000058	0.33	11.50	5.00	0.07
Cortenuova	Cortenuova 2	8.6	Max WS	IC_TR200_TP09H	3.91	24.45	27.20	25.06	27.21	0.000057	0.33	11.93	5.00	0.07
Cortenuova	Cortenuova 2	8.5												
Cortenuova	Cortenuova 2													
Cortenuova	Cortenuova 2													
Cortenuova	Cortenuova 2													

HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP24H	0.00	24.38	27.13		27.13	0.000000	0.00	8.88	6.21	0.00
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR200_TP36H	0.00	24.38	27.15		27.15	0.000000	0.00	9.04	6.24	0.00
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP36H	0.00	24.38	27.09		27.09	0.000000	0.00	8.67	6.17	0.00
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP01H	3.66	24.38	27.06		27.07	0.000159	0.43	8.44	6.13	0.12
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR200_TP01H	3.82	24.38	27.12		27.13	0.000152	0.43	8.83	6.20	0.12
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP03H	3.43	24.38	26.95		26.96	0.000174	0.44	7.82	6.03	0.12
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR200_TP03H	3.88	24.38	27.17		27.17	0.000143	0.43	9.12	6.25	0.11
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR200_TP06H	3.95	24.38	27.20		27.21	0.000139	0.42	9.35	6.29	0.11
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP06H	3.79	24.38	27.12		27.13	0.000149	0.43	8.84	6.20	0.11
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR030_TP09H	3.74	24.38	27.10		27.11	0.000152	0.43	8.70	6.18	0.12
Cortenuova	Cortenuova 2	8.3500	Max WS	IC_TR200_TP09H	3.91	24.38	27.18		27.19	0.000141	0.42	9.24	6.27	0.11
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP18H	0.01	24.36	27.24		27.24	0.000000	0.00	8.27	6.38	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP18H	0.00	24.36	27.16		27.16	0.000000	0.00	7.75	6.17	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP24H	0.01	24.36	27.20		27.20	0.000000	0.00	8.04	6.29	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP24H	0.00	24.36	27.13		27.13	0.000000	0.00	7.57	6.09	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP36H	0.00	24.36	27.15		27.15	0.000000	0.00	7.73	6.16	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP36H	0.00	24.36	27.09		27.09	0.000000	0.00	7.37	6.00	0.00
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP01H	3.66	24.36	27.05		27.06	0.000262	0.52	7.09	5.88	0.15
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP01H	3.82	24.36	27.11		27.12	0.000247	0.51	7.48	6.05	0.15
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP03H	3.43	24.36	26.94		26.96	0.000291	0.53	6.50	5.60	0.16
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP03H	3.88	24.36	27.16		27.17	0.000230	0.50	7.76	6.17	0.14
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP06H	3.95	24.36	27.19		27.21	0.000222	0.50	7.99	6.27	0.14
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP06H	3.79	24.36	27.11		27.13	0.000242	0.51	7.49	6.05	0.15
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR030_TP09H	3.74	24.36	27.09		27.10	0.000248	0.51	7.35	5.99	0.15
Cortenuova	Cortenuova 2	8.3	Max WS	IC_TR200_TP09H	3.91	24.36	27.18		27.19	0.000225	0.50	7.88	6.22	0.14
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP18H	0.01	24.33	27.24	24.37	27.24	0.000000	0.00	9.41	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP18H	0.00	24.33	27.16	24.34	27.16	0.000000	0.00	9.06	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP24H	0.01	24.33	27.20	24.35	27.20	0.000000	0.00	9.26	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP24H	0.00	24.33	27.13	24.34	27.13	0.000000	0.00	8.94	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP36H	0.00	24.33	27.15	24.34	27.15	0.000000	0.00	9.05	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP36H	0.00	24.33	27.09	24.34	27.09	0.000000	0.00	8.79	4.25	0.00
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP01H	3.66	24.33	27.05	25.44	27.06	0.000149	0.43	8.60	4.25	0.10
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP01H	3.82	24.33	27.11	25.46	27.12	0.000149	0.43	8.88	4.25	0.10
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP03H	3.43	24.33	26.95	25.42	26.95	0.000151	0.42	8.17	4.25	0.10
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP03H	3.88	24.33	27.16	25.46	27.17	0.000145	0.43	9.07	4.25	0.09
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP06H	3.95	24.33	27.20	25.46	27.20	0.000144	0.43	9.23	4.25	0.09
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP06H	3.79	24.33	27.11	25.45	27.12	0.000146	0.43	8.88	4.25	0.09
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR030_TP09H	3.74	24.33	27.09	25.45	27.10	0.000147	0.43	8.78	4.25	0.09
Cortenuova	Cortenuova 2	8.2	Max WS	IC_TR200_TP09H	3.91	24.33	27.18	25.46	27.19	0.000144	0.43	9.15	4.25	0.09
Cortenuova	Cortenuova 2	8.15												
Cortenuova	Cortenuova 2	8.15		Bridge										
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP18H	0.01	24.33	27.24		27.24	0.000000	0.00	9.41	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP18H	0.00	24.33	27.16		27.16	0.000000	0.00	9.06	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP24H	0.01	24.33	27.20		27.20	0.000000	0.00	9.26	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP24H	0.00	24.33	27.13		27.13	0.000000	0.00	8.94	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP36H	0.00	24.33	27.15		27.15	0.000000	0.00	9.05	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP36H	0.00	24.33	27.09		27.09	0.000000	0.00	8.79	4.25	0.00
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP01H	3.65	24.33	26.94		26.95	0.000174	0.45	8.12	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP01H	3.80	24.33	26.99		27.00	0.000174	0.45	8.36	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP03H	3.43	24.33	26.85		26.86	0.000175	0.44	7.75	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP03H	3.88	24.33	27.03		27.04	0.000170	0.45	8.54	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP06H	3.95	24.33	27.06		27.08	0.000170	0.46	8.67	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP06H	3.79	24.33	26.99		27.00	0.000172	0.45	8.37	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR030_TP09H	3.74	24.33	26.97		26.98	0.000172	0.45	8.29	4.25	0.10
Cortenuova	Cortenuova 2	8.1	Max WS	IC_TR200_TP09H	3.91	24.33	27.05		27.06	0.000170	0.45	8.61	4.25	0.10
Cortenuova	Cortenuova 2	8.09												
Cortenuova	Cortenuova 2	8.09		Lat Struct										
Cortenuova	Cortenuova 2	8.08												
Cortenuova	Cortenuova 2	8.08		Lat Struct										
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP18H	0.01	24.30	27.24		27.24	0.000000	0.00	8.32	6.38	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP18H	0.00	24.30	27.16		27.16	0.000000	0.00	7.80	6.17	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP24H	0.01	24.30	27.20		27.20	0.000000	0.00	8.09	6.29	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP24H	0.00	24.30	27.13		27.13	0.000000	0.00	7.62	6.09	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP36H	0.00	24.30	27.15		27.15	0.000000	0.00	7.78	6.16	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP36H	0.00	24.30	27.09		27.09	0.000000	0.00	7.42	6.00	0.00
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP01H	3.65	24.30	26.93		26.94	0.000339	0.57	6.46	5.56	0.17
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP01H	3.80	24.30	26.98		27.00	0.000323	0.56	6.77	5.71	0.16
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP03H	3.43	24.30	26.84		26.86	0.000370	0.57	5.98	5.32	0.17
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP03H	3.88	24.30	27.03		27.04	0.000305	0.55	7.03	5.82	0.16
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP06H	3.95	24.30	27.06		27.07	0.000295	0.55	7.21	5.91	0.16
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP06H	3.79	24.30	26.99		27.00	0.000319	0.56	6.79	5.71	0.16
Cortenuova	Cortenuova 2	8	Max WS	IC_TR030_TP09H	3.74	24.30	26.97		26.98	0.000325	0.56	6.68	5.66	0.16
Cortenuova	Cortenuova 2	8	Max WS	IC_TR200_TP09H	3.91	24.30	27.04		27.06	0.000299	0.55	7.13	5.87	0.16
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP18H	0.01	24.27	27.24		27.24	0.000000	0.00	8.38	6.40	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP18H	0.00	24.27	27.16		27.16	0.000000	0.00	7.86	6.18	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP24H	0.01	24.27	27.20		27.20	0.000000	0.00	8.15	6.30	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP24H	0.00	24.27	27.13		27.13	0.000000	0.00	7.68	6.10	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP36H	0.00	24.27	27.15		27.15	0.000000	0.00	7.84	6.17	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP36H	0.00	24.27	27.09		27.09	0.000000	0.00	7.47	6.01	0.00
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP01H	3.65	24.27	26.91		26.93	0.000344	0.57	6.44	5.54	0.17
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP01H	3.80	24.27	26.97		26.99	0.000326	0.56	6.76	5.69	0.16
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP03H	3.43	24.27	26.82		26.84	0.000376	0.58	5.95	5.31	0.17
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP03H	3.88	24.27	27.01		27.03	0.000308	0.55	7.01	5.81	0.16
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR200_TP06H	3.95	24.27	27.05		27.06	0.000298	0.55	7.20	5.89	0.16
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP06H	3.79	24.27	26.97		26.99	0.000322	0.56	6.78	5.70	0.16
Cortenuova	Cortenuova 2	7.8571	Max WS	IC_TR030_TP09H	3.74	24.27	26.95		26.97	0.000329	0.56	6.66		

HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP24H	0.00	24.22	27.13		27.13	0.000000	0.00	7.80	6.14	0.00
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR200_TP36H	0.00	24.22	27.15		27.15	0.000000	0.00	7.96	6.21	0.00
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP36H	0.00	24.22	27.09		27.09	0.000000	0.00	7.59	6.05	0.00
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP01H	3.65	24.22	26.89		26.90	0.000352	0.57	6.41	5.51	0.17
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR200_TP01H	3.79	24.22	26.95		26.96	0.000333	0.56	6.73	5.66	0.17
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP03H	3.43	24.22	26.79		26.81	0.000389	0.58	5.90	5.27	0.18
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR200_TP03H	3.87	24.22	26.99		27.01	0.000314	0.55	6.99	5.78	0.16
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR200_TP06H	3.95	24.22	27.02		27.04	0.000303	0.55	7.18	5.87	0.16
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP06H	3.78	24.22	26.95		26.96	0.000329	0.56	6.75	5.67	0.16
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR030_TP09H	3.74	24.22	26.93		26.94	0.000337	0.56	6.63	5.62	0.17
Cortenuova	Cortenuova 2	7.5714	Max WS	IC_TR200_TP09H	3.91	24.22	27.01		27.02	0.000308	0.55	7.09	5.83	0.16
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP18H	0.01	24.19	27.24		27.24	0.000000	0.00	8.56	6.45	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP18H	0.00	24.19	27.16		27.16	0.000000	0.00	8.04	6.23	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP24H	0.01	24.19	27.20		27.20	0.000000	0.00	8.33	6.35	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP24H	0.00	24.19	27.13		27.13	0.000000	0.00	7.86	6.16	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP36H	0.00	24.19	27.15		27.15	0.000000	0.00	8.02	6.22	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP36H	0.00	24.19	27.09		27.09	0.000000	0.00	7.65	6.07	0.00
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP01H	3.65	24.19	26.87		26.89	0.000358	0.57	6.38	5.49	0.17
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP01H	3.79	24.19	26.93		26.95	0.000337	0.56	6.71	5.65	0.17
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP03H	3.43	24.19	26.78		26.80	0.000396	0.58	5.88	5.25	0.18
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP03H	3.87	24.19	26.98		26.99	0.000318	0.56	6.98	5.77	0.16
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP06H	3.95	24.19	27.01		27.03	0.000306	0.55	7.17	5.86	0.16
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP06H	3.78	24.19	26.94		26.95	0.000334	0.56	6.73	5.66	0.16
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR030_TP09H	3.73	24.19	26.91		26.93	0.000341	0.56	6.61	5.60	0.17
Cortenuova	Cortenuova 2	7.4286	Max WS	IC_TR200_TP09H	3.91	24.19	27.00		27.01	0.000311	0.55	7.08	5.82	0.16
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP18H	0.01	24.16	27.24		27.24	0.000000	0.00	8.62	6.46	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP18H	0.00	24.16	27.16		27.16	0.000000	0.00	8.10	6.25	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP24H	0.01	24.16	27.20		27.20	0.000000	0.00	8.39	6.37	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP24H	0.00	24.16	27.13		27.13	0.000000	0.00	7.92	6.17	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP36H	0.00	24.16	27.15		27.15	0.000000	0.00	8.08	6.24	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP36H	0.00	24.16	27.09		27.09	0.000000	0.00	7.71	6.08	0.00
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP01H	3.64	24.16	26.86		26.88	0.000363	0.57	6.36	5.48	0.17
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP01H	3.79	24.16	26.92		26.94	0.000341	0.57	6.70	5.63	0.17
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP03H	3.43	24.16	26.76		26.78	0.000404	0.59	5.85	5.23	0.18
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP03H	3.87	24.16	26.97		26.98	0.000321	0.56	6.96	5.76	0.16
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP06H	3.95	24.16	27.00		27.02	0.000309	0.55	7.16	5.84	0.16
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP06H	3.78	24.16	26.92		26.94	0.000338	0.56	6.72	5.64	0.16
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR030_TP09H	3.73	24.16	26.90		26.92	0.000346	0.57	6.59	5.59	0.17
Cortenuova	Cortenuova 2	7.2857	Max WS	IC_TR200_TP09H	3.91	24.16	26.99		27.00	0.000314	0.55	7.07	5.80	0.16
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP18H	0.01	24.14	27.24		27.24	0.000000	0.00	8.69	6.48	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP18H	0.00	24.14	27.16		27.16	0.000000	0.00	8.16	6.27	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP24H	0.01	24.14	27.20		27.20	0.000000	0.00	8.45	6.39	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP24H	0.00	24.14	27.13		27.13	0.000000	0.00	7.98	6.19	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP36H	0.00	24.14	27.15		27.15	0.000000	0.00	8.14	6.26	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP36H	0.00	24.14	27.09		27.09	0.000000	0.00	7.77	6.10	0.00
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP01H	3.64	24.14	26.85		26.86	0.000369	0.57	6.34	5.46	0.17
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP01H	3.79	24.14	26.91		26.92	0.000346	0.57	6.68	5.62	0.17
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP03H	3.43	24.14	26.75		26.77	0.000413	0.59	5.82	5.21	0.18
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP03H	3.87	24.14	26.95		26.97	0.000325	0.56	6.95	5.74	0.16
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP06H	3.95	24.14	26.99		27.00	0.000313	0.55	7.15	5.83	0.16
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP06H	3.78	24.14	26.91		26.93	0.000343	0.56	6.70	5.63	0.17
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR030_TP09H	3.73	24.14	26.89		26.90	0.000351	0.57	6.58	5.57	0.17
Cortenuova	Cortenuova 2	7.1429	Max WS	IC_TR200_TP09H	3.91	24.14	26.97		26.99	0.000318	0.55	7.06	5.79	0.16
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP18H	0.01	24.11	27.24		27.24	0.000000	0.00	8.75	6.49	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP18H	0.00	24.11	27.16		27.16	0.000000	0.00	8.23	6.28	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP24H	0.01	24.11	27.20		27.20	0.000000	0.00	8.51	6.40	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP24H	0.00	24.11	27.13		27.13	0.000000	0.00	8.04	6.20	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP36H	0.00	24.11	27.15		27.15	0.000000	0.00	8.20	6.27	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP36H	0.00	24.11	27.09		27.09	0.000000	0.00	7.83	6.12	0.00
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP01H	3.64	24.11	26.83		26.85	0.000376	0.58	6.32	5.44	0.17
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP01H	3.78	24.11	26.89		26.91	0.000351	0.57	6.66	5.60	0.17
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP03H	3.43	24.11	26.73		26.75	0.000423	0.59	5.79	5.18	0.18
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP03H	3.87	24.11	26.94		26.96	0.000330	0.56	6.94	5.73	0.16
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP06H	3.95	24.11	26.98		26.99	0.000317	0.55	7.14	5.82	0.16
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP06H	3.78	24.11	26.90		26.91	0.000348	0.57	6.68	5.61	0.17
Cortenuova	Cortenuova 2	7	Max WS	IC_TR030_TP09H	3.73	24.11	26.87		26.89	0.000357	0.57	6.56	5.55	0.17
Cortenuova	Cortenuova 2	7	Max WS	IC_TR200_TP09H	3.91	24.11	26.96		26.98	0.000323	0.56	7.05	5.78	0.16
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP18H	0.01	24.09	27.24		27.24	0.000000	0.00	8.87	6.52	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP18H	0.00	24.09	27.16		27.16	0.000000	0.00	8.34	6.31	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP24H	0.01	24.09	27.20		27.20	0.000000	0.00	8.63	6.43	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP24H	0.00	24.09	27.13		27.13	0.000000	0.00	8.15	6.23	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP36H	0.00	24.09	27.15		27.15	0.000000	0.00	8.31	6.30	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP36H	0.00	24.09	27.09		27.09	0.000000	0.00	7.94	6.14	0.00
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP01H	3.64	24.09	26.82		26.83	0.000369	0.57	6.35	5.44	0.17
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP01H	3.78	24.09	26.88		26.90	0.000344	0.56	6.70	5.60	0.16
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP03H	3.43	24.09	26.72		26.73	0.000416	0.59	5.82	5.18	0.18
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP03H	3.87	24.09	26.93		26.95	0.000323	0.56	6.98	5.73	0.16
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP06H	3.95	24.09	26.97		26.98	0.000310	0.55	7.18	5.82	0.16
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP06H	3.78	24.09	26.88		26.90	0.000341	0.56	6.72	5.61	0.16
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR030_TP09H	3.73	24.09	26.86		26.88	0.000350	0.57	6.59	5.55	0.17
Cortenuova	Cortenuova 2	6.8571	Max WS	IC_TR200_TP09H	3.91	24.09	26.95		26.96	0.000316	0.55	7.09	5.78	0.16
Cortenuova	Cortenuova 2	6.7143	Max WS	IC_TR200_TP18H	0.01	24.06	27.24		27.24	0.000000	0.00	8.98	6.55	0.00
Cortenuova	Cortenuova 2	6.7143	Max WS	IC_TR030_TP18H	0.00	24.06	27.16		27.16	0.000000	0.00	8.45	6.	



HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	6.5714	Max WS	IC_TR200_TP03H	3.87	24.04	26.91		26.92	0.000309	0.55	7.06	5.73	0.16
Cortenuova	Cortenuova 2	6.5714	Max WS	IC_TR200_TP06H	3.95	24.04	26.94		26.96	0.000296	0.54	7.27	5.83	0.16
Cortenuova	Cortenuova 2	6.5714	Max WS	IC_TR030_TP06H	3.78	24.04	26.86		26.88	0.000327	0.56	6.80	5.62	0.16
Cortenuova	Cortenuova 2	6.5714	Max WS	IC_TR030_TP09H	3.73	24.04	26.84		26.85	0.000336	0.56	6.67	5.56	0.16
Cortenuova	Cortenuova 2	6.5714	Max WS	IC_TR200_TP09H	3.91	24.04	26.93		26.94	0.000302	0.55	7.18	5.78	0.16
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP18H	0.01	24.01	27.24		27.24	0.000000	0.00	9.24	6.61	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP18H	0.00	24.01	27.16		27.16	0.000000	0.00	8.70	6.40	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP24H	0.01	24.01	27.20		27.20	0.000000	0.00	9.00	6.52	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP24H	0.00	24.01	27.13		27.13	0.000000	0.00	8.51	6.33	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP36H	0.00	24.01	27.15		27.15	0.000000	0.00	8.68	6.39	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP36H	0.00	24.01	27.09		27.09	0.000000	0.00	8.30	6.24	0.00
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP01H	3.64	24.01	26.78		26.79	0.000347	0.56	6.46	5.45	0.17
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP01H	3.78	24.01	26.84		26.86	0.000322	0.55	6.83	5.62	0.16
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP03H	3.43	24.01	26.67		26.69	0.000395	0.58	5.90	5.18	0.17
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP03H	3.87	24.01	26.90		26.91	0.000302	0.54	7.12	5.75	0.16
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP06H	3.95	24.01	26.93		26.95	0.000289	0.54	7.33	5.84	0.15
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP06H	3.78	24.01	26.85		26.86	0.000320	0.55	6.85	5.63	0.16
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR030_TP09H	3.73	24.01	26.82		26.84	0.000329	0.56	6.72	5.56	0.16
Cortenuova	Cortenuova 2	6.4286	Max WS	IC_TR200_TP09H	3.91	24.01	26.92		26.93	0.000295	0.54	7.23	5.80	0.15
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP18H	0.01	23.99	27.24		27.24	0.000000	0.00	9.37	6.65	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP18H	0.00	23.99	27.16		27.16	0.000000	0.00	8.83	6.44	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP24H	0.01	23.99	27.20		27.20	0.000000	0.00	9.13	6.56	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP24H	0.00	23.99	27.13		27.13	0.000000	0.00	8.64	6.37	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP36H	0.00	23.99	27.15		27.15	0.000000	0.00	8.81	6.43	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP36H	0.00	23.99	27.09		27.09	0.000000	0.00	8.43	6.28	0.00
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP01H	3.64	23.99	26.77		26.78	0.000339	0.56	6.51	5.46	0.16
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP01H	3.78	23.99	26.83		26.85	0.000314	0.55	6.88	5.63	0.16
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP03H	3.43	23.99	26.66		26.67	0.000387	0.58	5.93	5.19	0.17
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP03H	3.87	23.99	26.88		26.90	0.000294	0.54	7.18	5.76	0.15
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP06H	3.95	23.99	26.92		26.94	0.000282	0.53	7.39	5.85	0.15
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP06H	3.78	23.99	26.84		26.85	0.000312	0.55	6.90	5.64	0.16
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR030_TP09H	3.73	23.99	26.81		26.83	0.000321	0.55	6.77	5.58	0.16
Cortenuova	Cortenuova 2	6.2857	Max WS	IC_TR200_TP09H	3.91	23.99	26.90		26.92	0.000287	0.54	7.29	5.81	0.15
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP18H	0.01	23.96	27.24		27.24	0.000000	0.00	9.50	6.69	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP18H	0.00	23.96	27.16		27.16	0.000000	0.00	8.96	6.48	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP24H	0.01	23.96	27.20		27.20	0.000000	0.00	9.26	6.60	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP24H	0.00	23.96	27.13		27.13	0.000000	0.00	8.77	6.41	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP36H	0.00	23.96	27.15		27.15	0.000000	0.00	8.94	6.47	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP36H	0.00	23.96	27.09		27.09	0.000000	0.00	8.56	6.32	0.00
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP01H	3.64	23.96	26.75		26.77	0.000332	0.56	6.56	5.47	0.16
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP01H	3.78	23.96	26.82		26.84	0.000307	0.54	6.93	5.64	0.16
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP03H	3.43	23.96	26.64		26.66	0.000379	0.57	5.97	5.20	0.17
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP03H	3.87	23.96	26.87		26.89	0.000287	0.54	7.23	5.77	0.15
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP06H	3.95	23.96	26.91		26.93	0.000275	0.53	7.45	5.87	0.15
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP06H	3.78	23.96	26.83		26.84	0.000305	0.54	6.95	5.65	0.16
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR030_TP09H	3.73	23.96	26.80		26.82	0.000314	0.55	6.82	5.59	0.16
Cortenuova	Cortenuova 2	6.1429	Max WS	IC_TR200_TP09H	3.91	23.96	26.89		26.91	0.000281	0.53	7.35	5.82	0.15
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP18H	0.01	23.94	27.24		27.24	0.000000	0.00	9.65	6.73	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP18H	0.00	23.94	27.16		27.16	0.000000	0.00	9.10	6.52	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP24H	0.01	23.94	27.20		27.20	0.000000	0.00	9.40	6.64	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP24H	0.00	23.94	27.13		27.13	0.000000	0.00	8.91	6.45	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP36H	0.00	23.94	27.15		27.15	0.000000	0.00	9.08	6.51	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP36H	0.00	23.94	27.09		27.09	0.000000	0.00	8.69	6.37	0.00
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP01H	3.64	23.94	26.74		26.76	0.000324	0.55	6.61	5.49	0.16
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP01H	3.78	23.94	26.81		26.83	0.000299	0.54	6.99	5.66	0.16
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP03H	3.43	23.94	26.63		26.65	0.000371	0.57	6.01	5.21	0.17
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP03H	3.87	23.94	26.86		26.88	0.000280	0.53	7.30	5.79	0.15
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP06H	3.94	23.94	26.90		26.92	0.000268	0.52	7.52	5.89	0.15
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP06H	3.78	23.94	26.81		26.83	0.000297	0.54	7.02	5.67	0.15
Cortenuova	Cortenuova 2	6	Max WS	IC_TR030_TP09H	3.73	23.94	26.79		26.80	0.000306	0.54	6.87	5.61	0.16
Cortenuova	Cortenuova 2	6	Max WS	IC_TR200_TP09H	3.91	23.94	26.88		26.90	0.000273	0.53	7.42	5.84	0.15
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP18H	0.01	23.91	27.24		27.24	0.000000	0.00	11.15	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP18H	0.00	23.91	27.16		27.16	0.000000	0.00	10.56	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP24H	0.00	23.91	27.20		27.20	0.000000	0.00	10.89	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP24H	0.00	23.91	27.13		27.13	0.000000	0.00	10.35	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP36H	0.00	23.91	27.15		27.15	0.000000	0.00	10.54	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP36H	0.00	23.91	27.09		27.09	0.000000	0.00	10.10	7.21	0.00
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP01H	3.64	23.91	26.73		26.75	0.000231	0.48	7.61	6.51	0.14
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP01H	3.78	23.91	26.80		26.81	0.000212	0.47	8.06	6.71	0.14
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP03H	3.43	23.91	26.62		26.63	0.000268	0.50	6.89	6.16	0.15
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP03H	3.87	23.91	26.86		26.87	0.000197	0.46	8.43	6.88	0.13
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP06H	3.94	23.91	26.90		26.91	0.000188	0.45	8.70	6.99	0.13
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP06H	3.78	23.91	26.81		26.82	0.000210	0.47	8.09	6.73	0.14
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR030_TP09H	3.73	23.91	26.78		26.79	0.000217	0.47	7.92	6.65	0.14
Cortenuova	Cortenuova 2	5.9200	Max WS	IC_TR200_TP09H	3.91	23.91	26.88		26.89	0.000192	0.46	8.57	6.94	0.13
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR200_TP18H	0.01	23.89	27.24		27.24	0.000000	0.00	12.64	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR030_TP18H	0.00	23.89	27.16		27.16	0.000000	0.00	12.07	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR200_TP24H	0.00	23.89	27.20		27.20	0.000000	0.00	12.39	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR030_TP24H	0.00	23.89	27.13		27.13	0.000000	0.00	11.86	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR200_TP36H	0.00	23.89	27.15		27.15	0.000000	0.00	12.04	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR030_TP36H	0.00	23.89	27.09		27.09	0.000000	0.00	11.62	6.99	0.00
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR030_TP01H	3.64	23.89	26.73		26.74	0.000142	0.40	9.09	6.99	0.11
Cortenuova	Cortenuova 2	5.8400	Max WS	IC_TR200_TP01H	3.78	23.89	26.80		26.81	0.000130	0.39			

River	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
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP18H	0.01	23.84	27.24		27.24	0.000000	0.00	15.27	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP18H	0.00	23.84	27.16		27.16	0.000000	0.00	14.73	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP24H	0.00	23.84	27.20		27.20	0.000000	0.00	15.03	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP24H	0.00	23.84	27.13		27.13	0.000000	0.00	14.53	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP36H	0.00	23.84	27.15		27.15	0.000000	0.00	14.70	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP36H	0.00	23.84	27.09		27.09	0.000000	0.00	14.31	6.56	0.00
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP01H	3.64	23.84	26.73		26.73	0.000066	0.31	11.90	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP01H	3.78	23.84	26.80		26.80	0.000064	0.31	12.36	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP03H	3.43	23.84	26.61		26.62	0.000071	0.31	11.15	6.56	0.08
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP03H	3.87	23.84	26.85		26.85	0.000062	0.30	12.72	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP06H	3.94	23.84	26.89		26.89	0.000061	0.30	12.97	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP06H	3.78	23.84	26.80		26.80	0.000064	0.31	12.39	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR030_TP09H	3.73	23.84	26.77		26.78	0.000065	0.31	12.22	6.56	0.07
Cortenuova	Cortenuova 2	5.6800	Max WS	IC_TR200_TP09H	3.91	23.84	26.87		26.88	0.000061	0.30	12.85	6.56	0.07
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP18H	0.01	23.81	27.24		27.24	0.000000	0.00	6.67	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP18H	0.00	23.81	27.16		27.16	0.000000	0.00	6.47	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP24H	0.00	23.81	27.20		27.20	0.000000	0.00	6.58	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP24H	0.00	23.81	27.13		27.13	0.000000	0.00	6.40	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP36H	0.00	23.81	27.15		27.15	0.000000	0.00	6.46	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP36H	0.00	23.81	27.09		27.09	0.000000	0.00	6.32	6.35	0.00
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP01H	3.64	23.81	26.70		26.72	0.000242	0.68	5.37	6.35	0.15
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP01H	3.78	23.81	26.77		26.79	0.000234	0.68	5.54	6.35	0.14
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP03H	3.42	23.81	26.58		26.61	0.000255	0.67	5.09	6.35	0.15
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP03H	3.87	23.81	26.82		26.85	0.000228	0.68	5.67	6.35	0.14
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP06H	3.94	23.81	26.86		26.89	0.000224	0.68	5.76	6.35	0.14
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP06H	3.78	23.81	26.77		26.80	0.000233	0.68	5.55	6.35	0.14
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR030_TP09H	3.73	23.81	26.75		26.77	0.000236	0.68	5.48	6.35	0.14
Cortenuova	Cortenuova 2	5.6	Max WS	IC_TR200_TP09H	3.91	23.81	26.84		26.87	0.000228	0.68	5.72	6.35	0.14
Cortenuova	Cortenuova 2	5.5												
					Culvert									
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP18H	0.01	23.81	27.24		27.24	0.000000	0.00	6.67	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP18H	0.00	23.81	27.16		27.16	0.000000	0.00	6.47	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP24H	0.00	23.81	27.20		27.20	0.000000	0.00	6.58	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP24H	0.00	23.81	27.13		27.13	0.000000	0.00	6.40	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP36H	0.00	23.81	27.15		27.15	0.000000	0.00	6.46	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP36H	0.00	23.81	27.09		27.09	0.000000	0.00	6.32	6.35	0.00
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP01H	3.64	23.81	26.11		26.15	0.000672	0.92	3.95	6.35	0.23
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP01H	3.77	23.81	26.13		26.18	0.000686	0.94	4.01	6.35	0.23
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP03H	3.42	23.81	26.07		26.11	0.000651	0.89	3.84	6.35	0.23
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP03H	3.87	23.81	26.15		26.20	0.000696	0.96	4.05	6.35	0.24
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP06H	3.94	23.81	26.17		26.21	0.000703	0.96	4.09	6.35	0.24
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP06H	3.78	23.81	26.14		26.18	0.000686	0.94	4.01	6.35	0.23
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR030_TP09H	3.73	23.81	26.13		26.17	0.000682	0.94	3.99	6.35	0.23
Cortenuova	Cortenuova 2	5.4	Max WS	IC_TR200_TP09H	3.91	23.81	26.16		26.21	0.000699	0.96	4.07	6.35	0.24
Cortenuova	Cortenuova 2	5.39												
					Lat Struct									
Cortenuova	Cortenuova 2	5.38												
					Lat Struct									
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP18H	0.01	23.78	27.24		27.24	0.000000	0.00	15.95	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP18H	0.00	23.78	27.16		27.16	0.000000	0.00	15.42	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP24H	0.00	23.78	27.20		27.20	0.000000	0.00	15.72	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP24H	0.00	23.78	27.13		27.13	0.000000	0.00	15.22	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP36H	0.00	23.78	27.15		27.15	0.000000	0.00	15.39	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP36H	0.00	23.78	27.09		27.09	0.000000	0.00	15.00	6.54	0.00
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP01H	3.64	23.78	26.11		26.12	0.000175	0.42	8.58	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP01H	3.77	23.78	26.14		26.15	0.000177	0.43	8.75	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP03H	3.42	23.78	26.07		26.08	0.000171	0.41	8.30	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP03H	3.87	23.78	26.16		26.17	0.000179	0.44	8.88	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP06H	3.94	23.78	26.17		26.18	0.000180	0.44	8.97	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP06H	3.78	23.78	26.14		26.15	0.000177	0.43	8.76	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR030_TP09H	3.73	23.78	26.13		26.14	0.000177	0.43	8.70	6.54	0.12
Cortenuova	Cortenuova 2	5.3429	Max WS	IC_TR200_TP09H	3.91	23.78	26.16		26.17	0.000179	0.44	8.93	6.54	0.12
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP18H	0.01	23.75	27.24		27.24	0.000000	0.00	15.44	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP18H	0.00	23.75	27.16		27.16	0.000000	0.00	14.90	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP24H	0.00	23.75	27.20		27.20	0.000000	0.00	15.20	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP24H	0.00	23.75	27.13		27.13	0.000000	0.00	14.69	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP36H	0.00	23.75	27.15		27.15	0.000000	0.00	14.87	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP36H	0.00	23.75	27.09		27.09	0.000000	0.00	14.46	6.74	0.00
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP01H	3.64	23.75	26.10		26.11	0.000228	0.47	7.79	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP01H	3.77	23.75	26.13		26.14	0.000229	0.47	7.96	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP03H	3.42	23.75	26.06		26.07	0.000227	0.46	7.50	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP03H	3.87	23.75	26.15		26.16	0.000230	0.48	8.10	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP06H	3.94	23.75	26.16		26.17	0.000230	0.48	8.19	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP06H	3.78	23.75	26.13		26.14	0.000229	0.47	7.98	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR030_TP09H	3.73	23.75	26.12		26.13	0.000229	0.47	7.92	6.74	0.14
Cortenuova	Cortenuova 2	5.2857	Max WS	IC_TR200_TP09H	3.91	23.75	26.15		26.17	0.000230	0.48	8.15	6.74	0.14
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR200_TP18H	0.01	23.72	27.24		27.24	0.000000	0.00	14.87	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR030_TP18H	0.00	23.72	27.16		27.16	0.000000	0.00	14.31	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR200_TP24H	0.00	23.72	27.20		27.20	0.000000	0.00	14.63	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR030_TP24H	0.00	23.72	27.13		27.13	0.000000	0.00	14.10	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR200_TP36H	0.00	23.72	27.15		27.15	0.000000	0.00	14.28	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR030_TP36H	0.00	23.72	27.09		27.09	0.000000	0.00	13.87	6.93	0.00
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR030_TP01H	3.64	23.72	26.09		26.10	0.000325	0.53	6.91	6.93	0.17
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR200_TP01H	3.77	23.72	26.11		26.13	0.000323	0.53	7.09	6.93	0.17
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR030_TP03H	3.42	23.72	26.04		26.06	0.000330	0.52	6.60	6.93	0.17
Cortenuova	Cortenuova 2	5.2286	Max WS	IC_TR200_TP03H	3.87	23.72	26.13		26.15	0.000321				

HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP18H	0.01	23.67	27.24		27.24	0.000000	0.00	13.54	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP18H	0.00	23.67	27.16		27.16	0.000000	0.00	12.94	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP24H	0.00	23.67	27.20		27.20	0.000000	0.00	13.28	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP24H	0.00	23.67	27.13		27.13	0.000000	0.00	12.73	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP36H	0.00	23.67	27.15		27.15	0.000000	0.00	12.92	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP36H	0.00	23.67	27.09		27.09	0.000000	0.00	12.48	7.31	0.00
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP01H	3.64	23.67	26.04		26.06	0.000631	0.69	5.28	5.53	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP01H	3.77	23.67	26.07		26.09	0.000630	0.70	5.42	5.61	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP03H	3.42	23.67	26.00		26.02	0.000634	0.68	5.03	5.38	0.22
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP03H	3.87	23.67	26.09		26.11	0.000629	0.70	5.53	5.67	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP06H	3.94	23.67	26.10		26.12	0.000628	0.70	5.61	5.72	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP06H	3.78	23.67	26.07		26.09	0.000630	0.70	5.43	5.61	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR030 TP09H	3.73	23.67	26.06		26.08	0.000630	0.69	5.38	5.59	0.23
Cortenuova	Cortenuova 2	5.1143	Max WS	IC TR200 TP09H	3.91	23.67	26.09		26.12	0.000628	0.70	5.57	5.70	0.23
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP18H	0.01	23.64	27.24		27.24	0.000000	0.00	12.78	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP18H	0.00	23.64	27.16		27.16	0.000000	0.00	12.17	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP24H	0.00	23.64	27.20		27.20	0.000000	0.00	12.51	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP24H	0.00	23.64	27.13		27.13	0.000000	0.00	11.94	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP36H	0.00	23.64	27.15		27.15	0.000000	0.00	12.14	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP36H	0.00	23.64	27.09		27.09	0.000000	0.00	11.69	7.51	0.00
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP01H	3.64	23.64	26.01		26.04	0.000785	0.76	4.80	4.87	0.24
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP01H	3.77	23.64	26.03		26.06	0.000786	0.77	4.92	4.94	0.25
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP03H	3.42	23.64	25.96		25.99	0.000785	0.75	4.58	4.75	0.24
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP03H	3.87	23.64	26.05		26.08	0.000786	0.77	5.02	4.99	0.25
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP06H	3.94	23.64	26.07		26.10	0.000786	0.78	5.09	5.03	0.25
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP06H	3.78	23.64	26.04		26.07	0.000785	0.77	4.93	4.94	0.25
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR030 TP09H	3.73	23.64	26.03		26.06	0.000785	0.76	4.89	4.92	0.24
Cortenuova	Cortenuova 2	5.0571	Max WS	IC TR200 TP09H	3.91	23.64	26.06		26.09	0.000786	0.77	5.05	5.01	0.25
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP18H	0.01	23.61	27.24		27.24	0.000000	0.00	11.96	7.50	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP18H	0.00	23.61	27.16		27.16	0.000000	0.00	11.36	7.30	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP24H	0.00	23.61	27.20		27.20	0.000000	0.00	11.69	7.41	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP24H	0.00	23.61	27.13		27.13	0.000000	0.00	11.14	7.22	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP36H	0.00	23.61	27.15		27.15	0.000000	0.00	11.33	7.29	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP36H	0.00	23.61	27.09		27.09	0.000000	0.00	10.89	7.14	0.00
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP01H	3.64	23.61	25.97		26.00	0.000954	0.82	4.42	4.38	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP01H	3.77	23.61	25.99		26.03	0.000957	0.83	4.53	4.44	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP03H	3.42	23.61	25.92		25.96	0.000950	0.81	4.23	4.27	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP03H	3.87	23.61	26.01		26.05	0.000958	0.84	4.62	4.49	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP06H	3.94	23.61	26.03		26.06	0.000960	0.84	4.68	4.52	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP06H	3.78	23.61	26.00		26.03	0.000957	0.83	4.54	4.45	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR030 TP09H	3.73	23.61	25.99		26.02	0.000956	0.83	4.50	4.43	0.26
Cortenuova	Cortenuova 2	5	Max WS	IC TR200 TP09H	3.91	23.61	26.02		26.06	0.000960	0.84	4.65	4.51	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP18H	0.01	23.59	27.24		27.24	0.000000	0.00	12.12	7.53	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP18H	0.00	23.59	27.16		27.16	0.000000	0.00	11.51	7.33	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP24H	0.00	23.59	27.20		27.20	0.000000	0.00	11.85	7.44	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP24H	0.00	23.59	27.13		27.13	0.000000	0.00	11.30	7.26	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP36H	0.00	23.59	27.15		27.15	0.000000	0.00	11.49	7.32	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP36H	0.00	23.59	27.09		27.09	0.000000	0.00	11.05	7.17	0.00
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP01H	3.64	23.59	25.94		25.97	0.000967	0.83	4.39	4.35	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP01H	3.77	23.59	25.96		26.00	0.000971	0.84	4.50	4.41	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP03H	3.42	23.59	25.89		25.93	0.000962	0.81	4.20	4.24	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP03H	3.87	23.59	25.98		26.02	0.000972	0.84	4.59	4.46	0.27
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP06H	3.94	23.59	25.99		26.03	0.000974	0.85	4.65	4.49	0.27
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP06H	3.78	23.59	25.96		26.00	0.000971	0.84	4.51	4.41	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR030 TP09H	3.73	23.59	25.95		25.99	0.000969	0.84	4.47	4.39	0.26
Cortenuova	Cortenuova 2	4.8000	Max WS	IC TR200 TP09H	3.91	23.59	25.99		26.02	0.000973	0.85	4.62	4.47	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP18H	0.01	23.57	27.24		27.24	0.000000	0.00	12.28	7.55	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP18H	0.00	23.57	27.16		27.16	0.000000	0.00	11.67	7.36	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP24H	0.01	23.57	27.20		27.20	0.000000	0.00	12.01	7.47	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP24H	0.00	23.57	27.13		27.13	0.000000	0.00	11.45	7.28	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP36H	0.00	23.57	27.15		27.15	0.000000	0.00	11.64	7.35	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP36H	0.00	23.57	27.09		27.09	0.000000	0.00	11.21	7.20	0.00
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP01H	3.64	23.57	25.90		25.94	0.000982	0.83	4.36	4.31	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP01H	3.77	23.57	25.93		25.96	0.000986	0.84	4.47	4.37	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP03H	3.42	23.57	25.86		25.89	0.000976	0.82	4.18	4.21	0.26
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP03H	3.87	23.57	25.95		25.98	0.000988	0.85	4.55	4.42	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP06H	3.94	23.57	25.96		26.00	0.000990	0.86	4.61	4.45	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP06H	3.78	23.57	25.93		25.97	0.000986	0.84	4.48	4.38	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR030 TP09H	3.73	23.57	25.92		25.96	0.000984	0.84	4.44	4.36	0.27
Cortenuova	Cortenuova 2	4.6000	Max WS	IC TR200 TP09H	3.91	23.57	25.95		25.99	0.000989	0.85	4.59	4.44	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP18H	0.01	23.56	27.24		27.24	0.000000	0.00	12.44	7.58	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP18H	0.00	23.56	27.16		27.16	0.000000	0.00	11.83	7.38	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP24H	0.01	23.56	27.20		27.20	0.000000	0.00	12.17	7.49	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP24H	0.00	23.56	27.13		27.13	0.000000	0.00	11.61	7.31	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP36H	0.00	23.56	27.15		27.15	0.000000	0.00	11.80	7.37	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP36H	0.00	23.56	27.09		27.09	0.000000	0.00	11.36	7.23	0.00
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP01H	3.64	23.56	25.87		25.91	0.000997	0.84	4.33	4.28	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP01H	3.77	23.56	25.89		25.93	0.001002	0.85	4.43	4.34	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP03H	3.42	23.56	25.83		25.86	0.000989	0.83	4.15	4.17	0.26
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP03H	3.87	23.56	25.91		25.95	0.001004	0.86	4.52	4.38	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR200 TP06H	3.94	23.56	25.93		25.97	0.001006	0.86	4.58	4.42	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP06H	3.78	23.56	25.90		25.93	0.001001	0.85	4.44	4.34	0.27
Cortenuova	Cortenuova 2	4.4000	Max WS	IC TR030 TP09H	3.73	23.56	25.89		25.92</					

HEC-RAS Profile: Max WS (Continued)

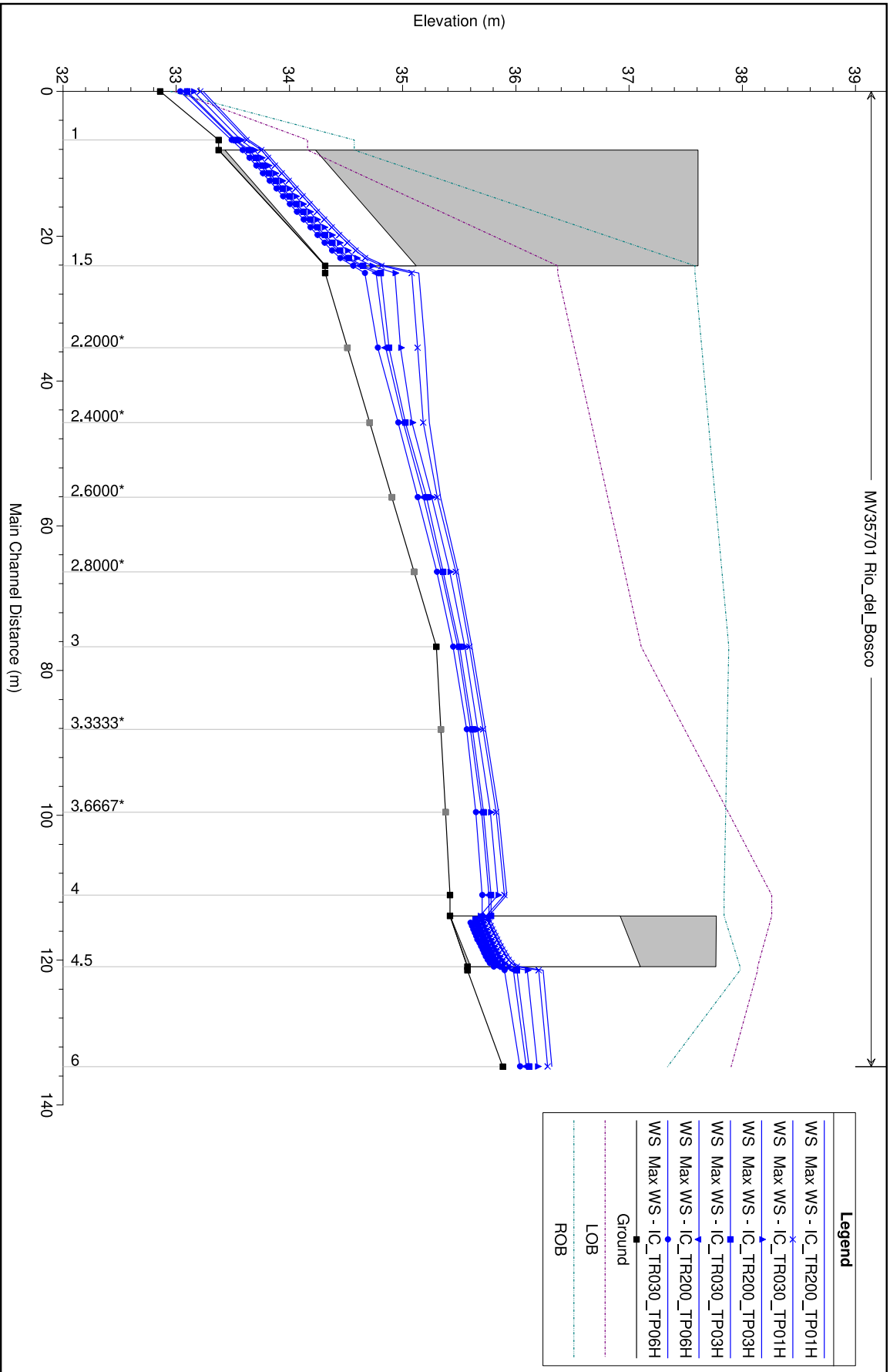
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Cortenuova	Cortenuova 2	4	Max WS	IC TR030 TP01H	3.64	23.52	25.80		25.84	0.001032	0.85	4.26	4.20	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR200 TP01H	3.77	23.52	25.83		25.86	0.001038	0.86	4.37	4.26	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR030 TP03H	3.42	23.52	25.76		25.80	0.001022	0.84	4.09	4.10	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR200 TP03H	3.87	23.52	25.85		25.88	0.001041	0.87	4.45	4.31	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR200 TP06H	3.94	23.52	25.86		25.90	0.001045	0.88	4.50	4.34	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR030 TP06H	3.78	23.52	25.83		25.87	0.001038	0.86	4.37	4.27	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR030 TP09H	3.73	23.52	25.82		25.86	0.001036	0.86	4.34	4.25	0.27
Cortenuova	Cortenuova 2	4	Max WS	IC TR200 TP09H	3.91	23.52	25.85		25.89	0.001043	0.87	4.48	4.33	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP18H	0.01	23.49	27.24		27.24	0.000000	0.00	13.17	7.84	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP18H	0.00	23.49	27.16		27.16	0.000000	0.00	12.54	7.64	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP24H	0.01	23.49	27.20		27.20	0.000000	0.00	12.89	7.75	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP24H	0.00	23.49	27.13		27.13	0.000000	0.00	12.31	7.57	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP36H	0.00	23.49	27.15		27.15	0.000000	0.00	12.51	7.63	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP36H	0.00	23.49	27.09		27.09	0.000000	0.00	12.05	7.48	0.00
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP01H	3.64	23.49	25.76		25.80	0.001040	0.86	4.25	4.24	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP01H	3.77	23.49	25.79		25.82	0.001046	0.87	4.35	4.30	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP03H	3.42	23.49	25.72		25.76	0.001030	0.84	4.08	4.14	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP03H	3.87	23.49	25.81		25.84	0.001050	0.87	4.44	4.35	0.28
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP06H	3.94	23.49	25.82		25.86	0.001053	0.88	4.49	4.38	0.28
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP06H	3.78	23.49	25.79		25.83	0.001046	0.87	4.36	4.31	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR030 TP09H	3.73	23.49	25.78		25.82	0.001044	0.86	4.33	4.29	0.27
Cortenuova	Cortenuova 2	3.8750	Max WS	IC TR200 TP09H	3.91	23.49	25.81		25.85	0.001051	0.88	4.47	4.37	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP18H	0.01	23.47	27.24		27.24	0.000000	0.00	13.57	8.05	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP18H	0.00	23.47	27.16		27.16	0.000000	0.00	12.92	7.84	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP24H	0.01	23.47	27.20		27.20	0.000000	0.00	13.28	7.96	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP24H	0.00	23.47	27.13		27.13	0.000000	0.00	12.69	7.77	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP36H	0.00	23.47	27.15		27.15	0.000000	0.00	12.89	7.83	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP36H	0.00	23.47	27.09		27.09	0.000000	0.00	12.43	7.68	0.00
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP01H	3.64	23.47	25.72		25.76	0.001055	0.86	4.23	4.28	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP01H	3.77	23.47	25.75		25.78	0.001060	0.87	4.34	4.33	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP03H	3.42	23.47	25.68		25.72	0.001045	0.84	4.06	4.17	0.27
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP03H	3.87	23.47	25.76		25.80	0.001064	0.88	4.42	4.38	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP06H	3.94	23.47	25.78		25.82	0.001066	0.88	4.47	4.41	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP06H	3.78	23.47	25.75		25.79	0.001060	0.87	4.35	4.34	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR030 TP09H	3.73	23.47	25.74		25.78	0.001058	0.87	4.31	4.32	0.28
Cortenuova	Cortenuova 2	3.7500	Max WS	IC TR200 TP09H	3.91	23.47	25.77		25.81	0.001065	0.88	4.45	4.40	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP18H	0.01	23.44	27.24		27.24	0.000000	0.00	13.98	8.25	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP18H	0.00	23.44	27.16		27.16	0.000000	0.00	13.32	8.04	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP24H	0.01	23.44	27.20		27.20	0.000000	0.00	13.68	8.16	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP24H	0.00	23.44	27.13		27.13	0.000000	0.00	13.08	7.97	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP36H	0.00	23.44	27.15		27.15	0.000000	0.00	13.28	8.03	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP36H	0.00	23.44	27.09		27.09	0.000000	0.00	12.81	7.88	0.00
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP01H	3.64	23.44	25.68		25.72	0.001073	0.86	4.21	4.30	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP01H	3.77	23.44	25.71		25.74	0.001077	0.87	4.31	4.36	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP03H	3.42	23.44	25.64		25.68	0.001063	0.85	4.04	4.20	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP03H	3.87	23.44	25.72		25.76	0.001081	0.88	4.39	4.41	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP06H	3.94	23.44	25.74		25.78	0.001084	0.89	4.45	4.44	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP06H	3.78	23.44	25.71		25.75	0.001077	0.87	4.32	4.37	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR030 TP09H	3.73	23.44	25.70		25.74	0.001075	0.87	4.29	4.35	0.28
Cortenuova	Cortenuova 2	3.6250	Max WS	IC TR200 TP09H	3.91	23.44	25.73		25.77	0.001082	0.88	4.43	4.43	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP18H	0.01	23.42	27.24		27.24	0.000000	0.00	14.38	8.45	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP18H	0.00	23.42	27.16		27.16	0.000000	0.00	13.71	8.24	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP24H	0.01	23.42	27.20		27.20	0.000000	0.00	14.08	8.36	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP24H	0.00	23.42	27.13		27.13	0.000000	0.00	13.46	8.16	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP36H	0.00	23.42	27.15		27.15	0.000000	0.00	13.67	8.23	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP36H	0.00	23.42	27.09		27.09	0.000000	0.00	13.18	8.07	0.00
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP01H	3.64	23.42	25.64		25.68	0.001098	0.87	4.18	4.32	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP01H	3.77	23.42	25.66		25.70	0.001103	0.88	4.28	4.38	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP03H	3.42	23.42	25.60		25.64	0.001088	0.85	4.00	4.22	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP03H	3.87	23.42	25.68		25.72	0.001106	0.89	4.36	4.43	0.29
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP06H	3.94	23.42	25.69		25.73	0.001109	0.89	4.42	4.46	0.29
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP06H	3.78	23.42	25.67		25.70	0.001103	0.88	4.29	4.39	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR030 TP09H	3.73	23.42	25.66		25.70	0.001101	0.88	4.25	4.37	0.28
Cortenuova	Cortenuova 2	3.5000	Max WS	IC TR200 TP09H	3.91	23.42	25.69		25.73	0.001107	0.89	4.39	4.45	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP18H	0.01	23.39	27.24		27.24	0.000000	0.00	14.79	8.65	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP18H	0.00	23.39	27.16		27.16	0.000000	0.00	14.10	8.43	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP24H	0.01	23.39	27.20		27.20	0.000000	0.00	14.48	8.55	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP24H	0.00	23.39	27.13		27.13	0.000000	0.00	13.85	8.36	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP36H	0.00	23.39	27.15		27.15	0.000000	0.00	14.06	8.42	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP36H	0.00	23.39	27.09		27.09	0.000000	0.00	13.56	8.27	0.00
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP01H	3.64	23.39	25.60		25.64	0.001129	0.88	4.14	4.33	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP01H	3.77	23.39	25.62		25.66	0.001134	0.89	4.24	4.40	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP03H	3.42	23.39	25.56		25.59	0.001119	0.86	3.97	4.23	0.28
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP03H	3.87	23.39	25.64		25.68	0.001137	0.90	4.32	4.44	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP06H	3.94	23.39	25.65		25.69	0.001140	0.90	4.38	4.48	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP06H	3.78	23.39	25.62		25.66	0.001134	0.89	4.25	4.40	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR030 TP09H	3.73	23.39	25.61		25.65	0.001133	0.89	4.21	4.38	0.29
Cortenuova	Cortenuova 2	3.3750	Max WS	IC TR200 TP09H	3.91	23.39	25.64		25.69	0.001139	0.90	4.35	4.46	0.29
Cortenuova	Cortenuova 2	3.2500	Max WS	IC TR200 TP18H	0.01	23.37	27.24		27.24	0.000000	0.00	15.21	8.85	0.00
Cortenuova	Cortenuova 2	3.2500	Max WS	IC TR030 TP18H	0.00	23.37	27.16		27.16	0.000000	0.00	14.50	8.63	0.00
Cortenuova	Cortenuova 2	3.2500	Max WS	IC TR200 TP24H	0.01	23.37	27.20		27.20	0.000000	0.00	14.89	8.75	0.00
Cortenuova	Cortenuova 2	3.2500	Max WS	IC TR030 TP24H	0.00	23.37	27.13		27.13	0.000000	0.00	14.24	8.55	0.00
Cortenuova	Cortenuova 2	3.2500	Max WS	IC TR200 TP36H	0.00	23.								

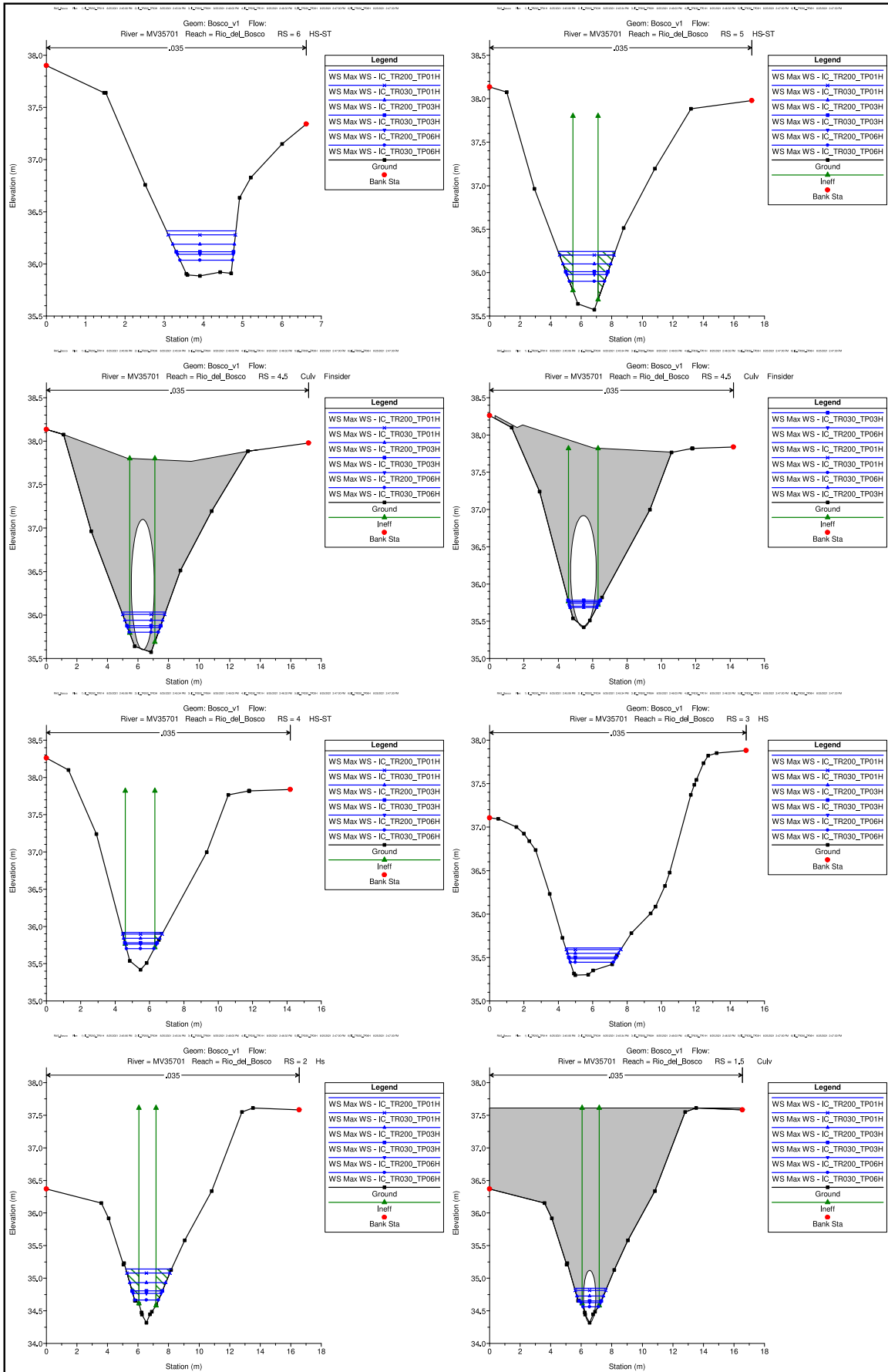
HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	3.1250	Max WS	IC_TR030_TP09H	3.73	23.34	25.52		25.56	0.001225	0.91	4.10	4.38	0.30
Cortenuova	Cortenuova 2	3.1250	Max WS	IC_TR200_TP09H	3.91	23.34	25.55		25.60	0.001231	0.92	4.24	4.47	0.30
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP18H	0.01	23.32	27.24		27.24	0.000000	0.00	16.03	9.24	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP18H	0.00	23.32	27.16		27.16	0.000000	0.00	15.29	9.01	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP24H	0.00	23.32	27.20		27.20	0.000000	0.00	15.70	9.14	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP24H	0.00	23.32	27.13		27.13	0.000000	0.00	15.02	8.93	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP36H	0.00	23.32	27.15		27.15	0.000000	0.00	15.26	9.00	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP36H	0.00	23.32	27.09		27.09	0.000000	0.00	14.72	8.84	0.00
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP01H	3.64	23.32	25.46		25.50	0.001291	0.92	3.95	4.32	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP01H	3.77	23.32	25.48		25.52	0.001294	0.93	4.05	4.38	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP03H	3.42	23.32	25.42		25.46	0.001281	0.90	3.79	4.21	0.30
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP03H	3.87	23.32	25.50		25.54	0.001297	0.94	4.13	4.43	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP06H	3.94	23.32	25.51		25.55	0.001299	0.94	4.19	4.47	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP06H	3.78	23.32	25.48		25.52	0.001295	0.93	4.06	4.39	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR030_TP09H	3.73	23.32	25.47		25.52	0.001294	0.93	4.03	4.37	0.31
Cortenuova	Cortenuova 2	3	Max WS	IC_TR200_TP09H	3.91	23.32	25.50		25.55	0.001299	0.94	4.16	4.45	0.31
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP18H	0.01	23.31	27.24		27.24	0.000000	0.00	16.22	9.28	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP18H	0.00	23.31	27.16		27.16	0.000000	0.00	15.47	9.06	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP24H	0.00	23.31	27.20		27.20	0.000000	0.00	15.89	9.18	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP24H	0.00	23.31	27.13		27.13	0.000000	0.00	15.20	8.97	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP36H	0.00	23.31	27.15		27.15	0.000000	0.00	15.44	9.04	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP36H	0.00	23.31	27.09		27.09	0.000000	0.00	14.90	8.88	0.00
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP01H	3.64	23.31	25.41		25.45	0.001396	0.95	3.84	4.24	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP01H	3.77	23.31	25.43		25.48	0.001400	0.96	3.94	4.30	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP03H	3.42	23.31	25.37		25.41	0.001383	0.93	3.68	4.13	0.31
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP03H	3.87	23.31	25.45		25.49	0.001401	0.96	4.01	4.35	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP06H	3.94	23.31	25.46		25.51	0.001404	0.97	4.06	4.38	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP06H	3.78	23.31	25.43		25.48	0.001399	0.96	3.94	4.31	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR030_TP09H	3.73	23.31	25.42		25.47	0.001398	0.95	3.91	4.28	0.32
Cortenuova	Cortenuova 2	2.8571	Max WS	IC_TR200_TP09H	3.91	23.31	25.45		25.50	0.001402	0.97	4.04	4.37	0.32
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP18H	0.01	23.30	27.24		27.24	0.000000	0.00	16.40	9.32	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP18H	0.00	23.30	27.16		27.16	0.000000	0.00	15.65	9.09	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP24H	0.00	23.30	27.20		27.20	0.000000	0.00	16.06	9.22	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP24H	0.00	23.30	27.13		27.13	0.000000	0.00	15.38	9.01	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP36H	0.00	23.30	27.15		27.15	0.000000	0.00	15.61	9.08	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP36H	0.00	23.30	27.09		27.09	0.000000	0.00	15.07	8.92	0.00
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP01H	3.64	23.30	25.35		25.40	0.001532	0.98	3.71	4.14	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP01H	3.77	23.30	25.37		25.42	0.001537	0.99	3.80	4.20	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP03H	3.42	23.30	25.31		25.36	0.001521	0.96	3.55	4.04	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP03H	3.87	23.30	25.39		25.44	0.001539	1.00	3.87	4.25	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP06H	3.94	23.30	25.40		25.46	0.001541	1.00	3.92	4.28	0.34
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP06H	3.78	23.30	25.38		25.43	0.001538	0.99	3.81	4.21	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR030_TP09H	3.73	23.30	25.37		25.42	0.001536	0.99	3.77	4.19	0.33
Cortenuova	Cortenuova 2	2.7143	Max WS	IC_TR200_TP09H	3.91	23.30	25.40		25.45	0.001540	1.00	3.90	4.27	0.33
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP18H	0.01	23.29	27.24		27.24	0.000000	0.00	16.58	9.35	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP18H	0.00	23.29	27.16		27.16	0.000000	0.00	15.83	9.13	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP24H	0.00	23.29	27.20		27.20	0.000000	0.00	16.24	9.26	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP24H	0.00	23.29	27.13		27.13	0.000000	0.00	15.56	9.05	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP36H	0.00	23.29	27.15		27.15	0.000000	0.00	15.79	9.12	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP36H	0.00	23.29	27.09		27.09	0.000000	0.00	15.25	8.96	0.00
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP01H	3.64	23.29	25.29		25.34	0.001718	1.03	3.55	4.03	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP01H	3.77	23.29	25.31		25.37	0.001723	1.04	3.64	4.09	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP03H	3.42	23.29	25.25		25.30	0.001702	1.01	3.40	3.93	0.34
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP03H	3.87	23.29	25.33		25.39	0.001724	1.04	3.71	4.14	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP06H	3.94	23.29	25.34		25.40	0.001727	1.05	3.76	4.17	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP06H	3.78	23.29	25.31		25.37	0.001724	1.04	3.65	4.09	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR030_TP09H	3.73	23.29	25.31		25.36	0.001722	1.03	3.61	4.07	0.35
Cortenuova	Cortenuova 2	2.5714	Max WS	IC_TR200_TP09H	3.91	23.29	25.34		25.39	0.001726	1.05	3.74	4.15	0.35
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP18H	0.01	23.28	27.24		27.24	0.000000	0.00	16.76	9.39	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP18H	0.00	23.28	27.16		27.16	0.000000	0.00	16.01	9.17	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP24H	0.00	23.28	27.20		27.20	0.000000	0.00	16.43	9.29	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP24H	0.00	23.28	27.13		27.13	0.000000	0.00	15.74	9.09	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP36H	0.00	23.28	27.15		27.15	0.000000	0.00	15.97	9.16	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP36H	0.00	23.28	27.09		27.09	0.000000	0.00	15.43	8.99	0.00
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP01H	3.64	23.28	25.22		25.28	0.001984	1.08	3.36	3.89	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP01H	3.77	23.28	25.24		25.30	0.001987	1.09	3.45	3.95	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP03H	3.42	23.28	25.18		25.24	0.001964	1.06	3.22	3.79	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP03H	3.87	23.28	25.26		25.32	0.001988	1.10	3.52	4.00	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP06H	3.94	23.28	25.27		25.33	0.001991	1.11	3.57	4.03	0.38
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP06H	3.78	23.28	25.24		25.30	0.001988	1.09	3.46	3.95	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR030_TP09H	3.73	23.28	25.24		25.30	0.001987	1.09	3.43	3.93	0.37
Cortenuova	Cortenuova 2	2.4286	Max WS	IC_TR200_TP09H	3.91	23.28	25.27		25.33	0.001989	1.10	3.55	4.01	0.37
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP18H	0.01	23.27	27.24		27.24	0.000000	0.00	16.94	9.42	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR030_TP18H	0.00	23.27	27.16		27.16	0.000000	0.00	16.18	9.20	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP24H	0.00	23.27	27.20		27.20	0.000000	0.00	16.61	9.33	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR030_TP24H	0.00	23.27	27.13		27.13	0.000000	0.00	15.91	9.12	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP36H	0.00	23.27	27.15		27.15	0.000000	0.00	16.15	9.19	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR030_TP36H	0.00	23.27	27.09		27.09	0.000000	0.00	15.60	9.03	0.00
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR030_TP01H	3.64	23.27	25.13		25.20	0.002417	1.16	3.13	3.71	0.40
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP01H	3.77	23.27	25.15		25.22	0.002421	1.18	3.21	3.76	0.41
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR030_TP03H	3.42	23.27	25.10		25.16	0.002392	1.14	3.00	3.61	0.40
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP03H	3.87	23.27	25.17		25.24	0.002419	1.18	3.27	3.81	0.41
Cortenuova	Cortenuova 2	2.2857	Max WS	IC_TR200_TP06H	3.94	23.27	25.18		25.26</					

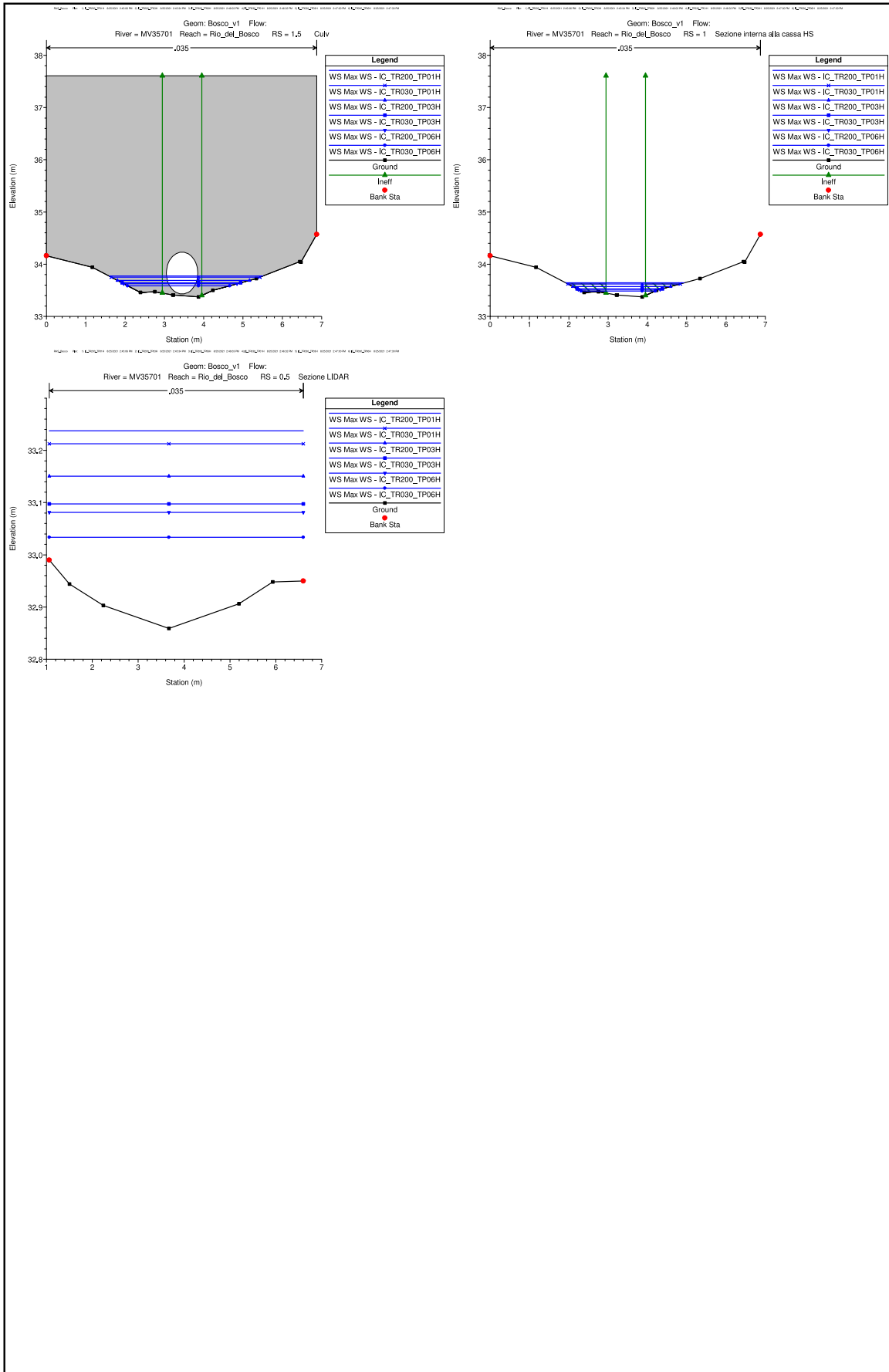
HEC-RAS Profile: Max WS (Continued)

River	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
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP24H	0.00	23.25	27.13		27.13	0.000000	0.00	16.26	9.18	0.00
Cortenuova	Cortenuova 2	2	Max WS	IC_TR200_TP36H	0.00	23.25	27.15		27.15	0.000000	0.00	16.50	9.25	0.00
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP36H	0.00	23.25	27.09		27.09	0.000000	0.00	15.94	9.08	0.00
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP01H	3.64	23.25	24.72		24.89	0.008440	1.86	1.95	2.70	0.70
Cortenuova	Cortenuova 2	2	Max WS	IC_TR200_TP01H	3.77	23.25	24.75		24.92	0.008140	1.85	2.03	2.77	0.69
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP03H	3.42	23.25	24.67		24.85	0.008941	1.88	1.82	2.56	0.71
Cortenuova	Cortenuova 2	2	Max WS	IC_TR200_TP03H	3.87	23.25	24.77		24.94	0.007989	1.84	2.10	2.84	0.68
Cortenuova	Cortenuova 2	2	Max WS	IC_TR200_TP06H	3.94	23.25	24.79		24.96	0.007753	1.84	2.14	2.88	0.68
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP06H	3.78	23.25	24.75		24.92	0.008111	1.85	2.04	2.78	0.69
Cortenuova	Cortenuova 2	2	Max WS	IC_TR030_TP09H	3.73	23.25	24.74		24.91	0.008219	1.86	2.01	2.75	0.69
Cortenuova	Cortenuova 2	2	Max WS	IC_TR200_TP09H	3.91	23.25	24.78		24.95	0.007815	1.84	2.12	2.86	0.68
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP18H	0.01	23.15	27.24		27.24	0.000000	0.00	24.17	11.81	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP18H	0.00	23.15	27.16		27.16	0.000000	0.00	23.41	11.41	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP24H	0.00	23.15	27.20		27.20	0.000000	0.00	23.84	11.67	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP24H	0.00	23.15	27.13		27.13	0.000000	0.00	23.12	11.23	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP36H	0.00	23.15	27.15		27.15	0.000000	0.00	23.37	11.38	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP36H	0.00	23.15	27.09		27.09	0.000000	0.00	22.80	11.03	0.00
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP01H	3.64	23.15	24.72		24.74	0.000394	0.65	5.59	4.88	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP01H	3.77	23.15	24.75		24.77	0.000393	0.66	5.74	4.93	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP03H	3.42	23.15	24.67		24.69	0.000396	0.64	5.33	4.79	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP03H	3.87	23.15	24.78		24.80	0.000391	0.66	5.87	4.97	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP06H	3.94	23.15	24.79		24.82	0.000391	0.66	5.95	5.00	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP06H	3.78	23.15	24.75		24.78	0.000392	0.66	5.76	4.93	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR030_TP09H	3.73	23.15	24.74		24.77	0.000393	0.65	5.70	4.92	0.19
Cortenuova	Cortenuova 2	1.1	Max WS	IC_TR200_TP09H	3.91	23.15	24.79		24.81	0.000391	0.66	5.91	4.99	0.19
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP18H	0.00	23.15	27.24	23.16	27.24	0.000000	0.00	9.16	11.81	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP18H	0.00	23.15	27.16	23.16	27.16	0.000000	0.00	8.97	11.41	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP24H	0.00	23.15	27.20	23.16	27.20	0.000000	0.00	9.08	11.67	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP24H	0.00	23.15	27.13	23.16	27.13	0.000000	0.00	8.91	11.23	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP36H	0.00	23.15	27.15	23.16	27.15	0.000000	0.00	8.97	11.38	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP36H	0.00	23.15	27.09	23.16	27.09	0.000000	0.00	8.83	11.03	0.00
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP01H	3.64	23.15	24.67	23.79	24.73	0.000509	1.07	3.41	4.80	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP01H	3.77	23.15	24.70	23.81	24.76	0.000512	1.08	3.48	4.85	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP03H	3.42	23.15	24.62	23.77	24.68	0.000503	1.04	3.30	4.71	0.27
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP03H	3.87	23.15	24.73	23.82	24.79	0.000514	1.10	3.53	4.89	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP06H	3.94	23.15	24.74	23.83	24.80	0.000516	1.11	3.56	4.91	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP06H	3.78	23.15	24.70	23.81	24.76	0.000512	1.08	3.48	4.85	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR030_TP09H	3.73	23.15	24.69	23.80	24.75	0.000511	1.08	3.46	4.83	0.28
Cortenuova	Cortenuova 2	1	Max WS	IC_TR200_TP09H	3.91	23.15	24.73	23.82	24.80	0.000515	1.10	3.55	4.90	0.28
Cortenuova	Cortenuova 2	95												
					Inl Struct									
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP18H	6.35	23.13	25.18		25.27	0.000579	1.38	4.58	5.67	0.31
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP18H	6.34	23.13	25.17		25.27	0.000579	1.38	4.58	5.67	0.31
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP24H	6.34	23.13	25.17		25.27	0.000579	1.38	4.58	5.67	0.31
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP24H	6.34	23.13	25.17		25.27	0.000579	1.38	4.58	5.67	0.31
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP36H	6.89	23.13	25.26		25.37	0.000597	1.44	4.77	5.82	0.32
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP36H	6.89	23.13	25.26		25.37	0.000597	1.44	4.77	5.81	0.32
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP01H	3.64	23.13	24.65		24.71	0.000512	1.07	3.41	4.79	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP01H	3.77	23.13	24.68		24.74	0.000515	1.09	3.47	4.84	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP03H	3.42	23.13	24.60		24.66	0.000504	1.04	3.30	4.71	0.27
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP03H	3.87	23.13	24.70		24.76	0.000517	1.10	3.52	4.88	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP06H	3.94	23.13	24.72		24.78	0.000520	1.11	3.56	4.91	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP06H	3.78	23.13	24.68		24.74	0.000515	1.09	3.48	4.85	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR030_TP09H	3.73	23.13	24.67		24.73	0.000514	1.08	3.45	4.83	0.28
Cortenuova	Cortenuova 2	0.9	Max WS	IC_TR200_TP09H	3.91	23.13	24.71		24.77	0.000519	1.10	3.54	4.89	0.28
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP18H	6.37	23.12	25.21		25.24	0.000833	0.76	8.37	5.75	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP18H	6.37	23.12	25.21		25.24	0.000833	0.76	8.36	5.75	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP24H	6.37	23.12	25.21		25.24	0.000833	0.76	8.36	5.75	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP24H	6.37	23.12	25.21		25.24	0.000833	0.76	8.36	5.75	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP36H	6.90	23.12	25.29		25.33	0.000835	0.78	8.87	5.90	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP36H	6.90	23.12	25.29		25.32	0.000835	0.78	8.87	5.90	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP01H	3.64	23.12	24.67		24.69	0.000838	0.66	5.50	4.85	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP01H	3.77	23.12	24.70		24.72	0.000837	0.67	5.65	4.90	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP03H	3.42	23.12	24.62		24.64	0.000837	0.65	5.26	4.76	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP03H	3.87	23.12	24.72		24.75	0.000836	0.67	5.77	4.94	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP06H	3.94	23.12	24.74		24.76	0.000836	0.67	5.84	4.96	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP06H	3.78	23.12	24.70		24.72	0.000837	0.67	5.66	4.90	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR030_TP09H	3.73	23.12	24.69		24.71	0.000837	0.67	5.61	4.88	0.20
Cortenuova	Cortenuova 2	0.80000*	Max WS	IC_TR200_TP09H	3.91	23.12	24.73		24.75	0.000836	0.67	5.81	4.95	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP18H	6.37	23.10	25.20	23.94	25.23	0.000400	0.76	8.43	5.77	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP18H	6.37	23.10	25.20	23.94	25.23	0.000400	0.76	8.42	5.77	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP24H	6.37	23.10	25.20	23.94	25.23	0.000400	0.76	8.43	5.77	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP24H	6.37	23.10	25.20	23.94	25.23	0.000400	0.76	8.42	5.77	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP36H	6.89	23.10	25.29	23.98	25.32	0.000400	0.77	8.94	5.92	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP36H	6.89	23.10	25.29	23.98	25.32	0.000400	0.77	8.93	5.92	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP01H	3.64	23.10	24.66	23.70	24.69	0.000401	0.66	5.55	4.86	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP01H	3.77	23.10	24.69	23.71	24.72	0.000401	0.66	5.70	4.91	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP03H	3.42	23.10	24.61	23.67	24.63	0.000400	0.64	5.31	4.78	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP03H	3.87	23.10	24.72	23.72	24.74	0.000400	0.67	5.82	4.96	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP06H	3.94	23.10	24.73	23.72	24.76	0.000400	0.67	5.90	4.98	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP06H	3.78	23.10	24.70	23.71	24.72	0.000401	0.66	5.71	4.92	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR030_TP09H	3.73	23.10	24.69	23.70	24.71	0.000401	0.66	5.66	4.90	0.20
Cortenuova	Cortenuova 2	0.7	Max WS	IC_TR200_TP09H	3.91	23.10	24.73	23.72	24.75	0.000400	0.67	5.86	4.97	0.20



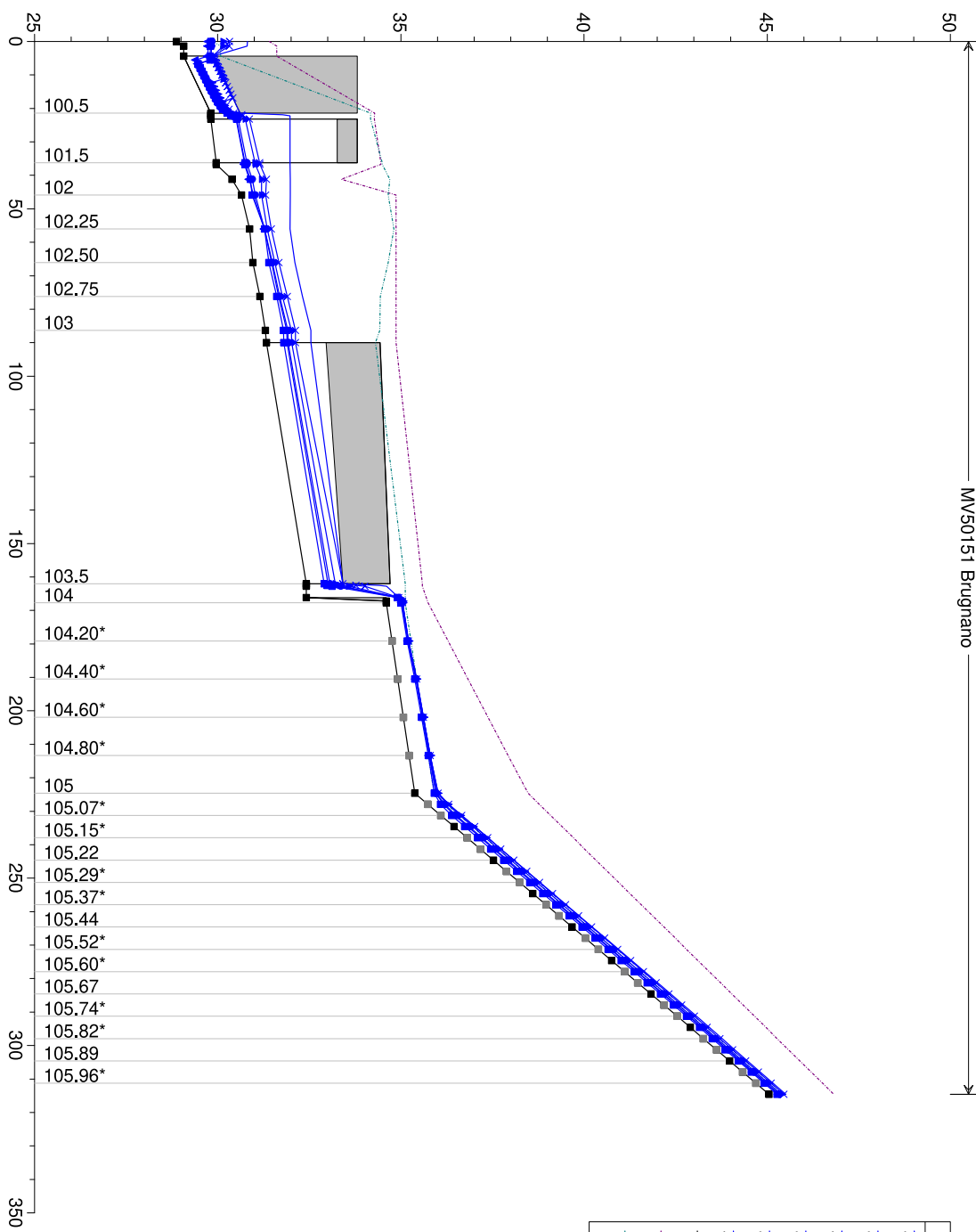
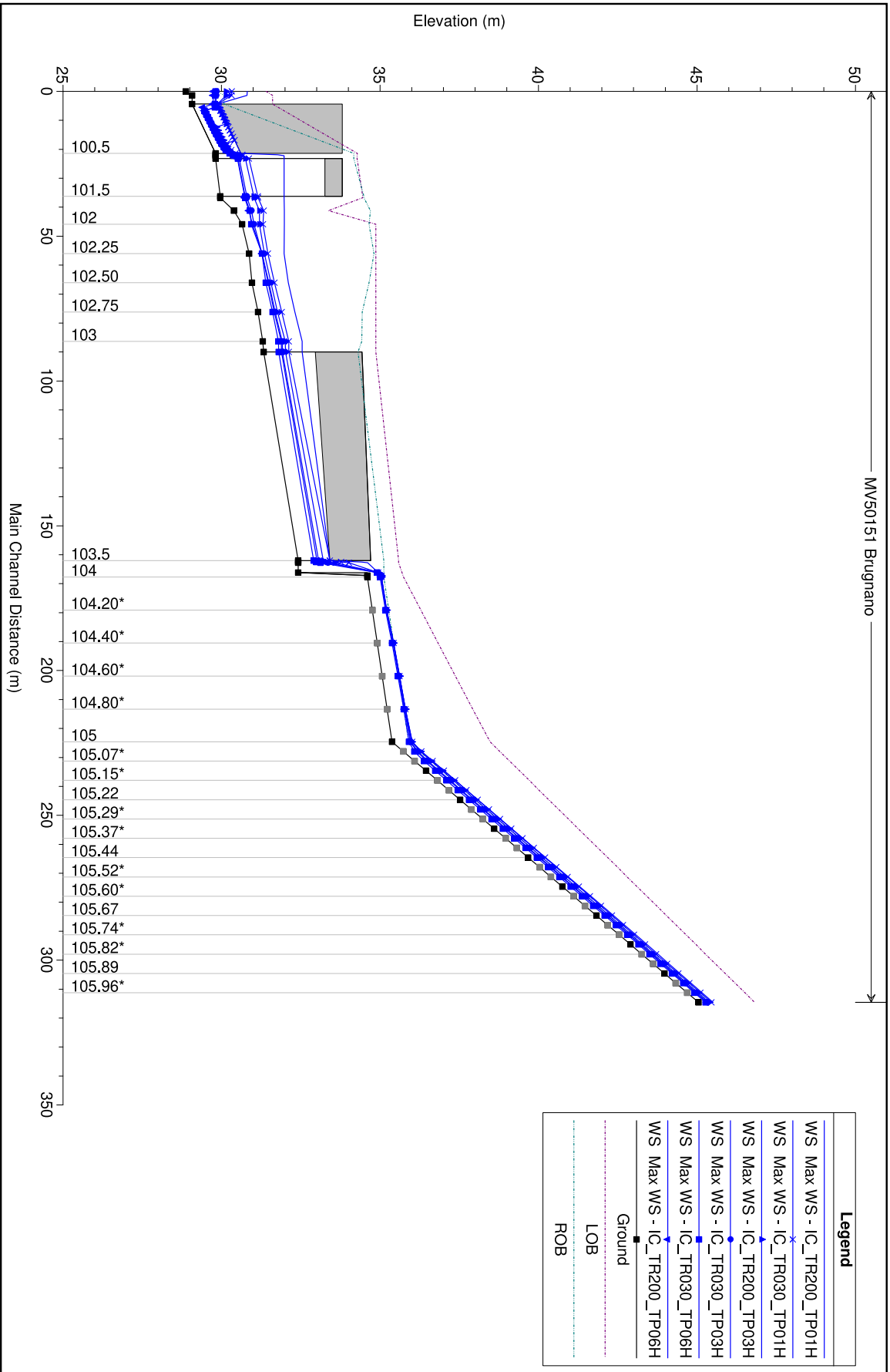




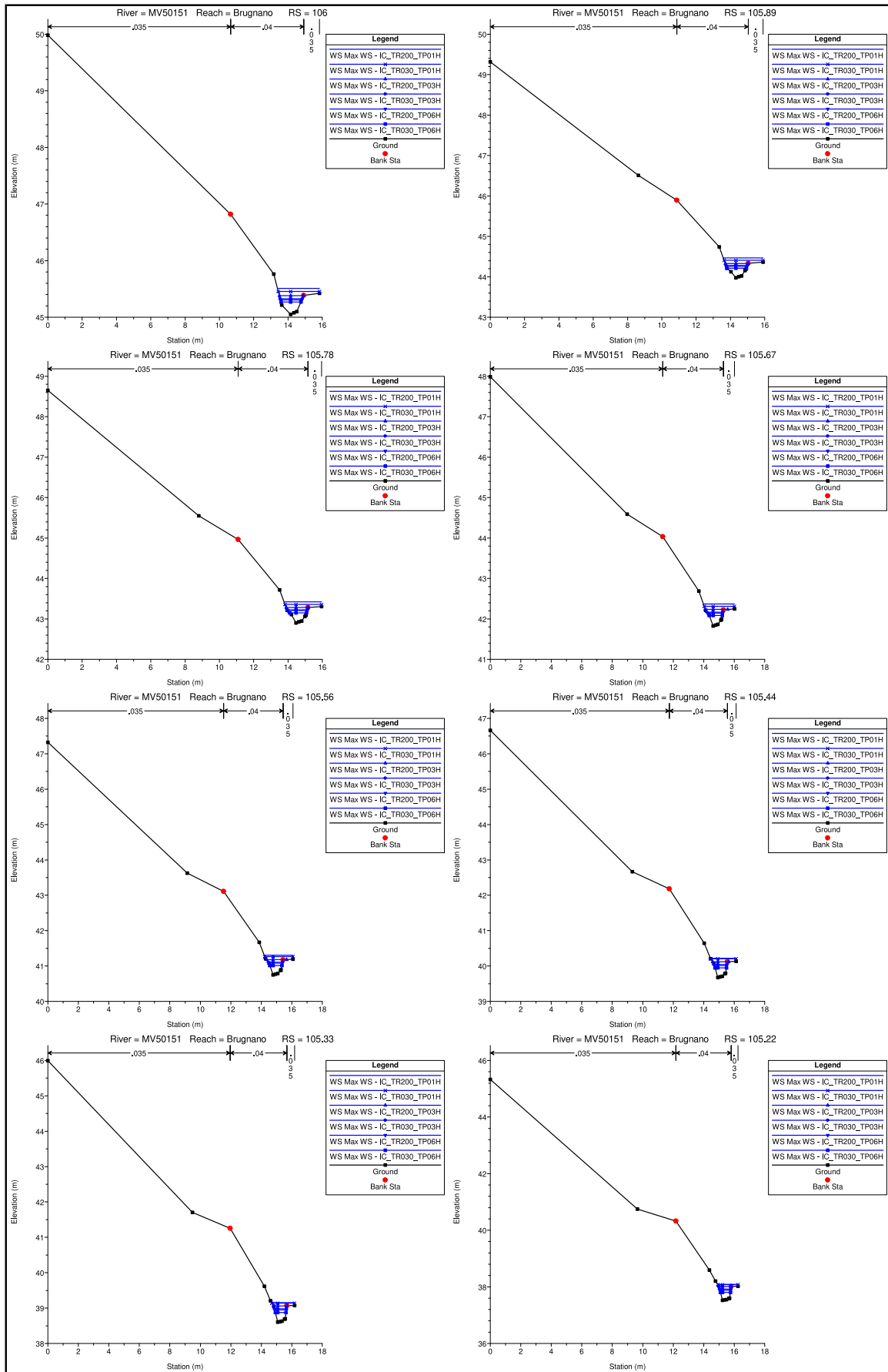


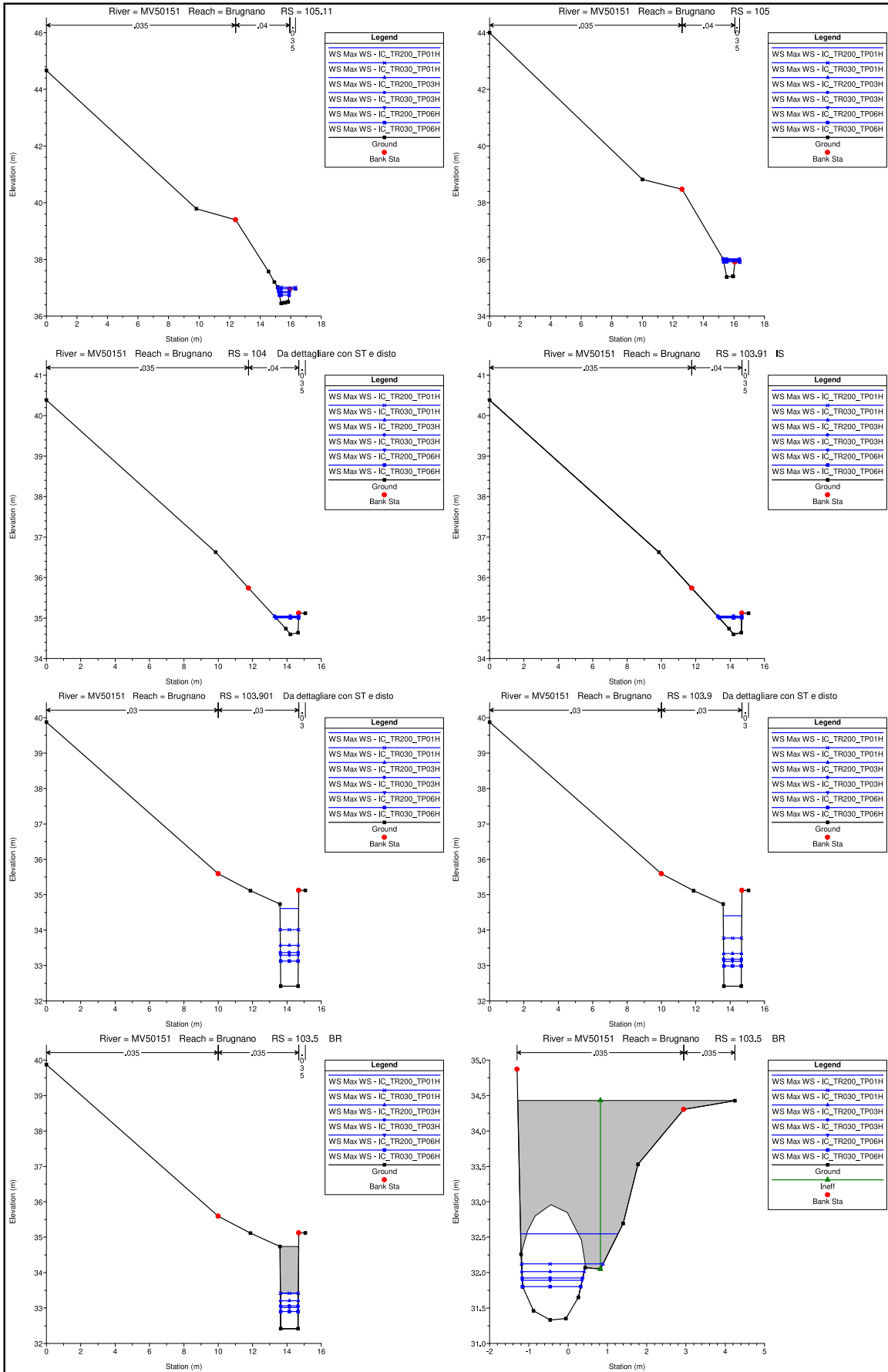
HEC-RAS River: MV35701 Reach: Rio\_del\_Bosco Profile: Max WS

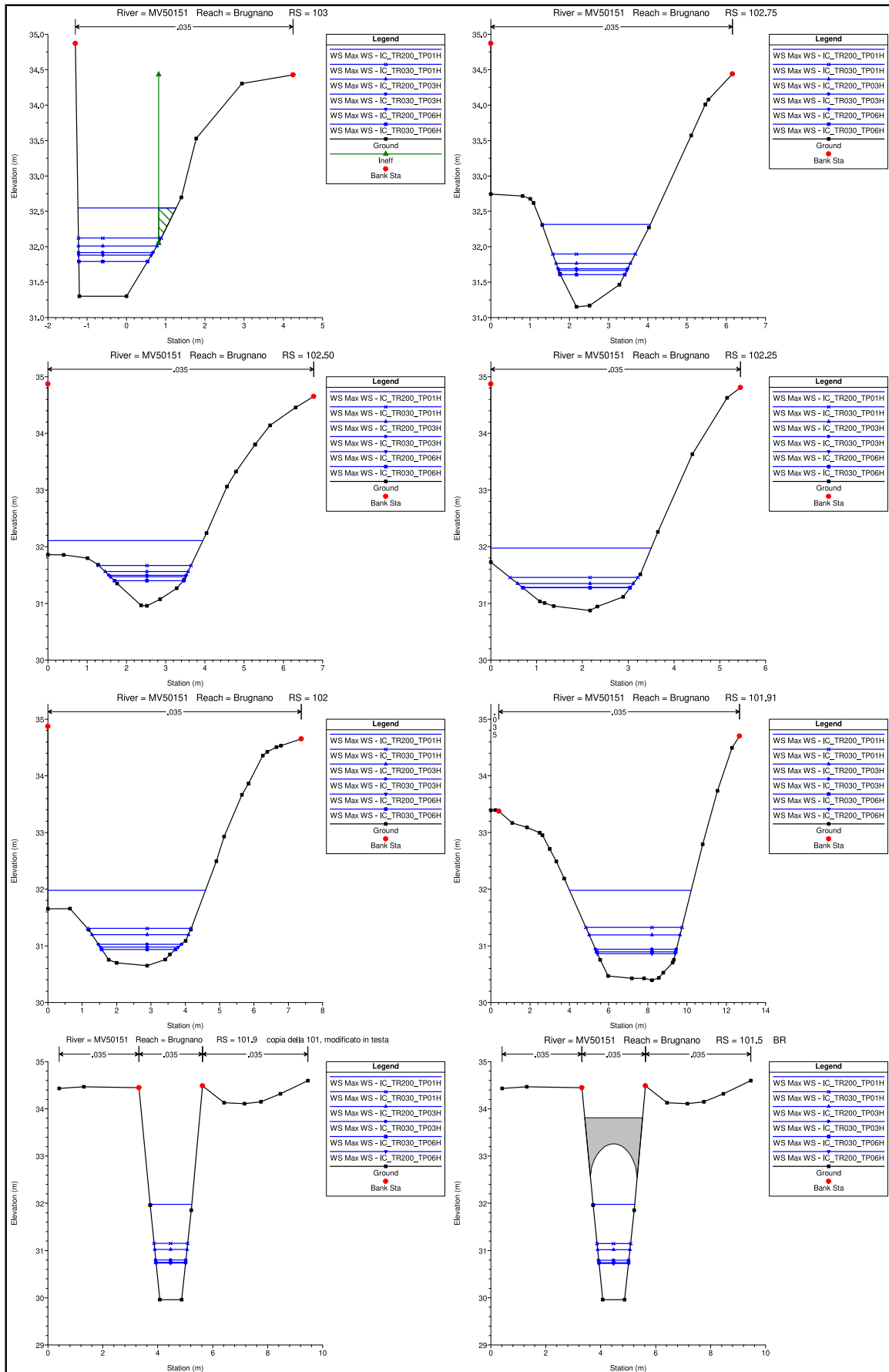
Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio_del_Bosco	6	Max WS	IC_TR200_TP01H	1.06	35.88	36.32	36.31	36.47	0.021441	1.75	0.60	1.77	0.96
Rio_del_Bosco	6	Max WS	IC_TR200_TP03H	0.46	35.88	36.19		36.26	0.013846	1.17	0.39	1.57	0.75
Rio_del_Bosco	6	Max WS	IC_TR200_TP06H	0.26	35.88	36.09		36.15	0.017673	1.07	0.24	1.42	0.83
Rio_del_Bosco	6	Max WS	IC_TR030_TP01H	0.75	35.88	36.28		36.38	0.014842	1.39	0.54	1.71	0.79
Rio_del_Bosco	6	Max WS	IC_TR030_TP03H	0.31	35.88	36.12		36.18	0.016475	1.10	0.28	1.46	0.80
Rio_del_Bosco	6	Max WS	IC_TR030_TP06H	0.17	35.88	36.04		36.09	0.022594	1.00	0.17	1.34	0.90
Rio_del_Bosco	5.99		Lat Struct										
Rio_del_Bosco	5.8		Lat Struct										
Rio_del_Bosco	5	Max WS	IC_TR200_TP01H	0.75	35.57	36.24		36.27	0.001370	0.74	1.01	3.73	0.30
Rio_del_Bosco	5	Max WS	IC_TR200_TP03H	0.46	35.57	36.10		36.12	0.001247	0.59	0.77	3.14	0.28
Rio_del_Bosco	5	Max WS	IC_TR200_TP06H	0.26	35.57	35.98		35.99	0.001140	0.46	0.57	2.63	0.25
Rio_del_Bosco	5	Max WS	IC_TR030_TP01H	0.66	35.57	36.20		36.23	0.001337	0.70	0.94	3.57	0.30
Rio_del_Bosco	5	Max WS	IC_TR030_TP03H	0.31	35.57	36.01		36.02	0.001162	0.50	0.62	2.76	0.26
Rio_del_Bosco	5	Max WS	IC_TR030_TP06H	0.17	35.57	35.90		35.91	0.001076	0.38	0.44	2.31	0.23
Rio_del_Bosco	4.5		Culvert										
Rio_del_Bosco	4	Max WS	IC_TR200_TP01H	0.75	35.42	35.92		35.99	0.006387	1.14	0.66	2.37	0.59
Rio_del_Bosco	4	Max WS	IC_TR200_TP03H	0.46	35.42	35.84		35.88	0.005287	0.88	0.52	2.09	0.51
Rio_del_Bosco	4	Max WS	IC_TR200_TP06H	0.26	35.42	35.76		35.79	0.004791	0.69	0.38	1.82	0.47
Rio_del_Bosco	4	Max WS	IC_TR030_TP01H	0.66	35.42	35.90		35.96	0.006072	1.06	0.62	2.30	0.57
Rio_del_Bosco	4	Max WS	IC_TR030_TP03H	0.31	35.42	35.78		35.81	0.005041	0.74	0.42	1.88	0.48
Rio_del_Bosco	4	Max WS	IC_TR030_TP06H	0.17	35.42	35.70		35.72	0.004805	0.59	0.28	1.62	0.45
Rio_del_Bosco	3.99		Lat Struct										
Rio_del_Bosco	3	Max WS	IC_TR200_TP01H	0.75	35.30	35.61		35.67	0.010797	1.05	0.71	3.27	0.72
Rio_del_Bosco	3	Max WS	IC_TR200_TP03H	0.46	35.30	35.55		35.59	0.010468	0.89	0.52	2.96	0.68
Rio_del_Bosco	3	Max WS	IC_TR200_TP06H	0.26	35.30	35.49		35.52	0.011664	0.77	0.34	2.69	0.69
Rio_del_Bosco	3	Max WS	IC_TR030_TP01H	0.66	35.30	35.59		35.64	0.011253	1.02	0.64	3.17	0.72
Rio_del_Bosco	3	Max WS	IC_TR030_TP03H	0.31	35.30	35.50		35.54	0.011237	0.80	0.39	2.75	0.68
Rio_del_Bosco	3	Max WS	IC_TR030_TP06H	0.17	35.30	35.45		35.47	0.015312	0.72	0.23	2.50	0.75
Rio_del_Bosco	2	Max WS	IC_TR200_TP01H	0.75	34.32	35.14		35.19	0.002171	0.96	0.78	3.00	0.37
Rio_del_Bosco	2	Max WS	IC_TR200_TP03H	0.46	34.32	34.93		34.97	0.002803	0.85	0.54	2.36	0.39
Rio_del_Bosco	2	Max WS	IC_TR200_TP06H	0.26	34.32	34.77		34.79	0.003861	0.75	0.35	1.85	0.43
Rio_del_Bosco	2	Max WS	IC_TR030_TP01H	0.66	34.32	35.08		35.12	0.002328	0.93	0.71	2.81	0.38
Rio_del_Bosco	2	Max WS	IC_TR030_TP03H	0.31	34.32	34.81		34.84	0.003493	0.78	0.40	1.98	0.42
Rio_del_Bosco	2	Max WS	IC_TR030_TP06H	0.17	34.32	34.67		34.69	0.005709	0.71	0.24	1.55	0.49
Rio_del_Bosco	1.5		Culvert										
Rio_del_Bosco	1	Max WS	IC_TR200_TP01H	0.75	33.37	33.64	33.78	34.13	0.080133	3.11	0.24	3.01	2.02
Rio_del_Bosco	1	Max WS	IC_TR200_TP03H	0.46	33.37	33.57	33.68	33.95	0.097380	2.71	0.17	2.49	2.11
Rio_del_Bosco	1	Max WS	IC_TR200_TP06H	0.26	33.37	33.52	33.59	33.79	0.121141	2.32	0.11	2.08	2.20
Rio_del_Bosco	1	Max WS	IC_TR030_TP01H	0.66	33.37	33.62	33.75	34.08	0.084315	3.00	0.22	2.86	2.05
Rio_del_Bosco	1	Max WS	IC_TR030_TP03H	0.31	33.37	33.53	33.61	33.83	0.117214	2.45	0.13	2.17	2.20
Rio_del_Bosco	1	Max WS	IC_TR030_TP06H	0.17	33.37	33.49	33.54	33.68	0.126105	1.96	0.09	1.89	2.14
Rio_del_Bosco	0.5	Max WS	IC_TR200_TP01H	0.75	32.86	33.24	33.03	33.25	0.001020	0.41	1.82	5.54	0.23
Rio_del_Bosco	0.5	Max WS	IC_TR200_TP03H	0.46	32.86	33.15	33.00	33.16	0.001031	0.34	1.34	5.54	0.22
Rio_del_Bosco	0.5	Max WS	IC_TR200_TP06H	0.26	32.86	33.08	32.97	33.09	0.001013	0.28	0.96	5.54	0.21
Rio_del_Bosco	0.5	Max WS	IC_TR030_TP01H	0.66	32.86	33.21	33.02	33.22	0.001021	0.59	1.69	5.54	0.23
Rio_del_Bosco	0.5	Max WS	IC_TR030_TP03H	0.31	32.86	33.10	32.98	33.10	0.001044	0.29	1.05	5.54	0.22
Rio_del_Bosco	0.5	Max WS	IC_TR030_TP06H	0.17	32.86	33.03	32.95	33.04	0.001179	0.24	0.69	5.54	0.22

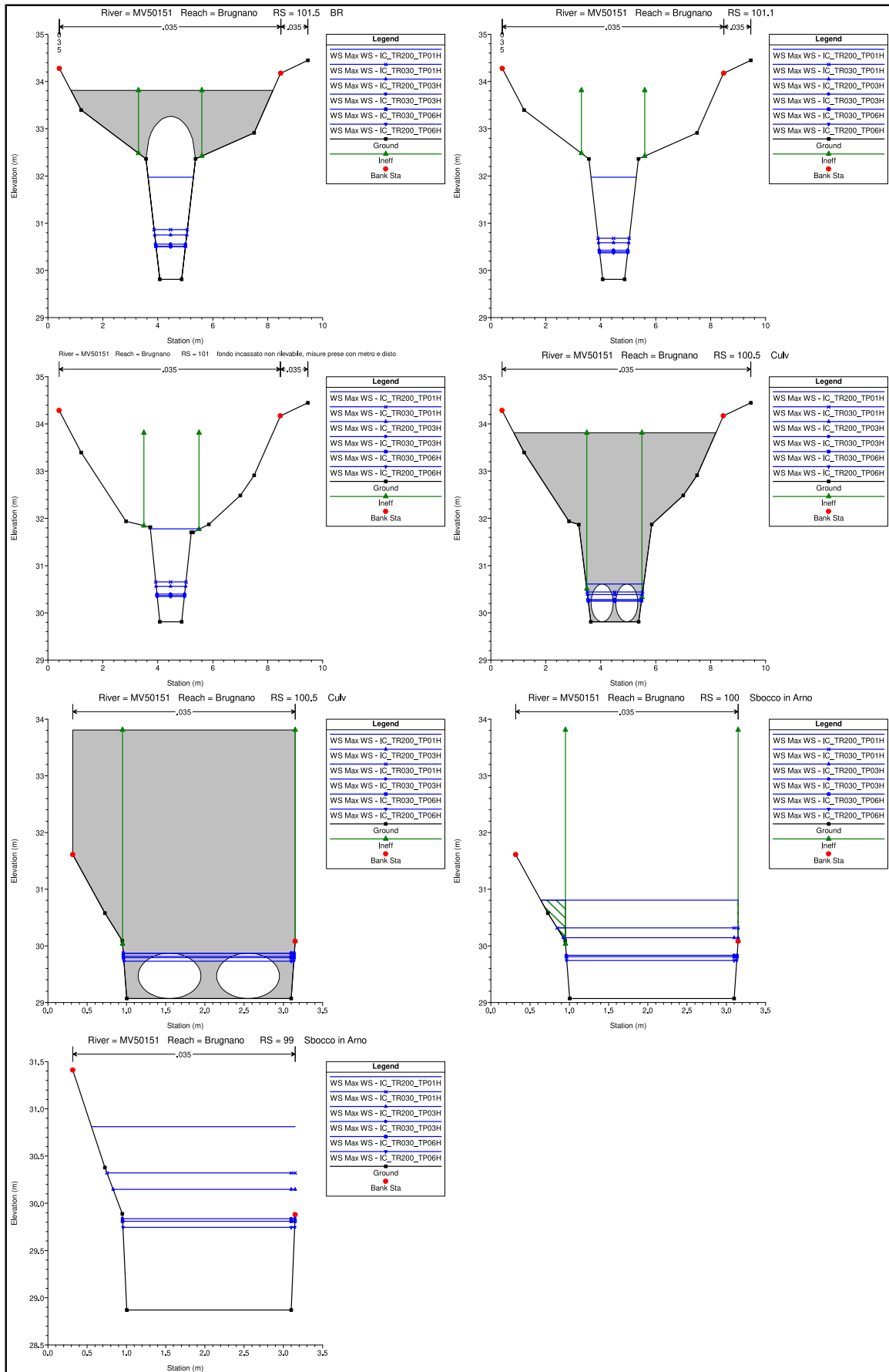


Legend	
WS Max WS - IC_TR200_TP01H	—
WS Max WS - IC_TR030_TP01H	—
WS Max WS - IC_TR200_TP03H	—
WS Max WS - IC_TR030_TP03H	—
WS Max WS - IC_TR030_TP06H	—
WS Max WS - IC_TR200_TP06H	—
Ground	■
LOB	—
ROB	—







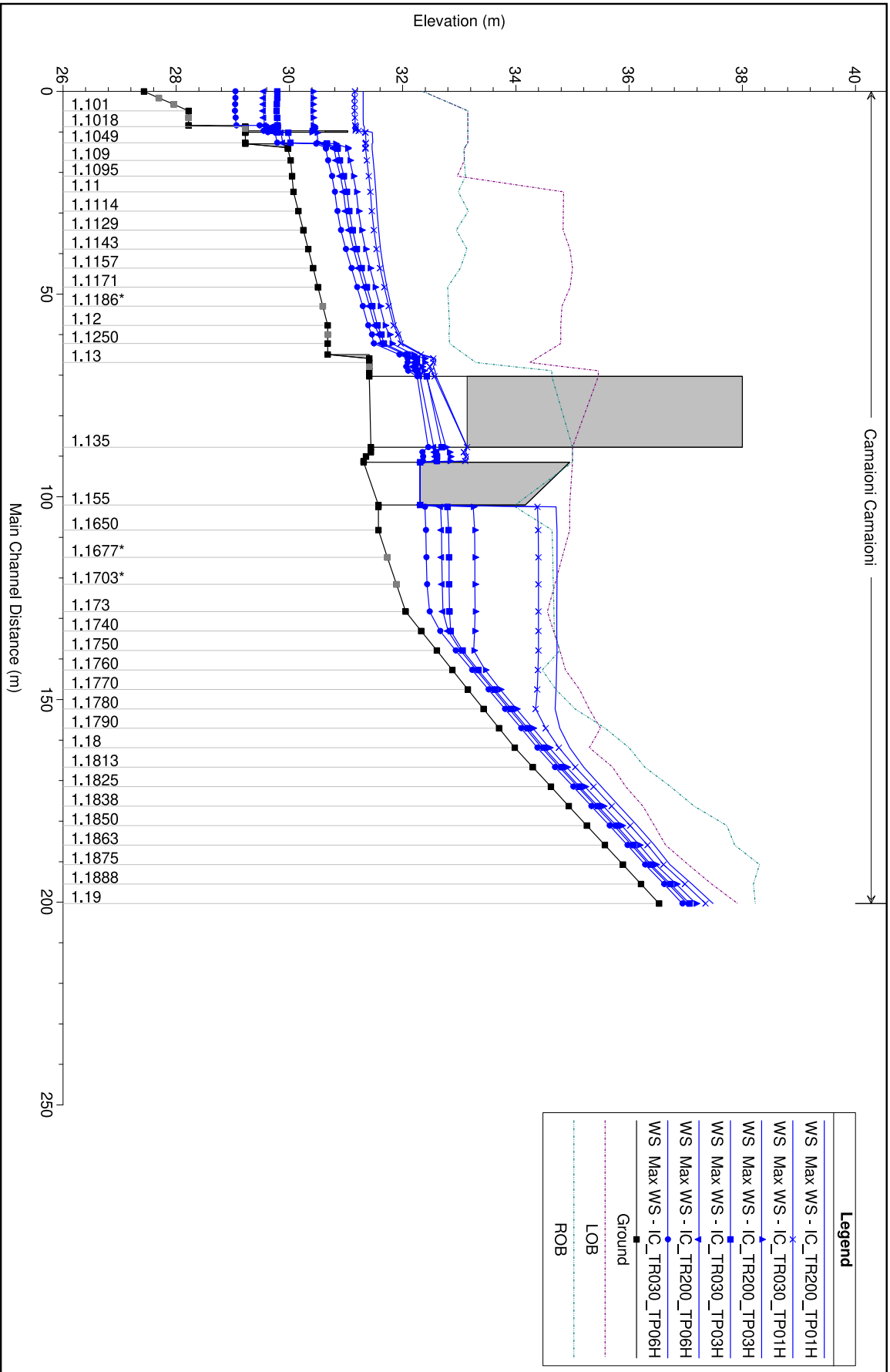


HEC-RAS Profile: Max WS

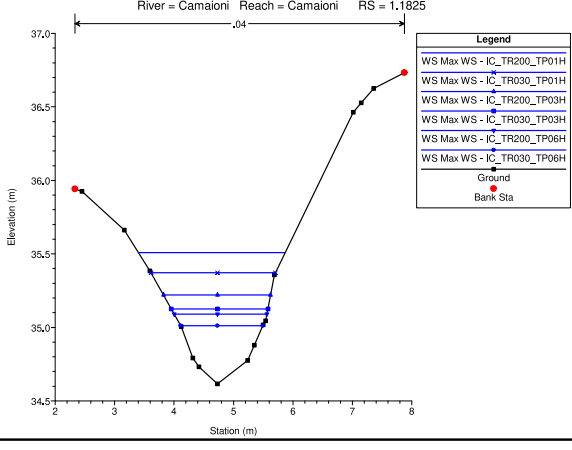
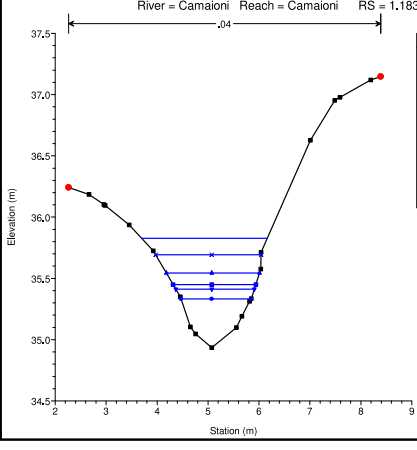
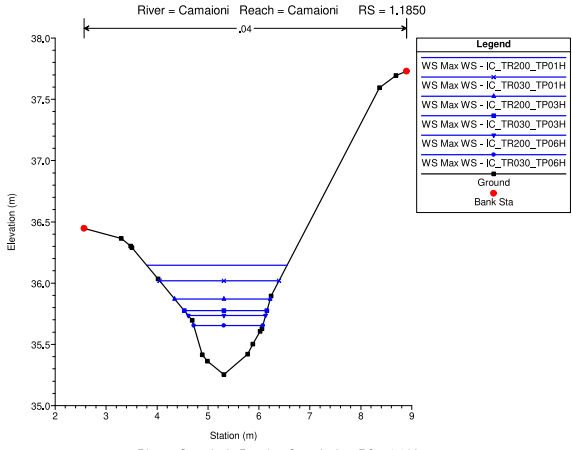
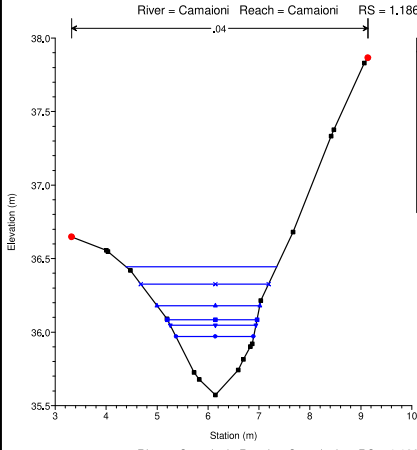
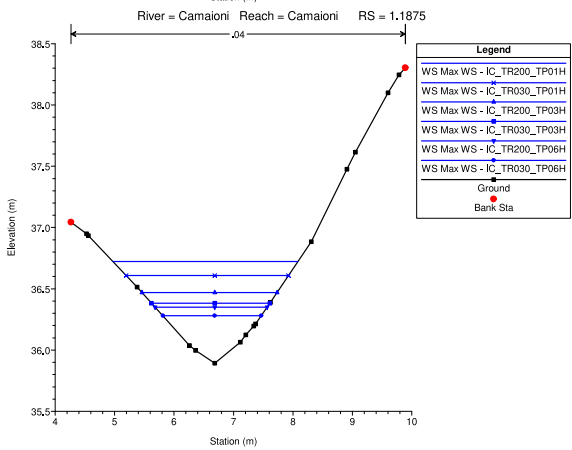
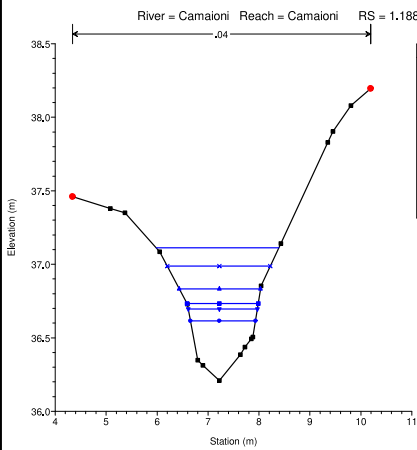
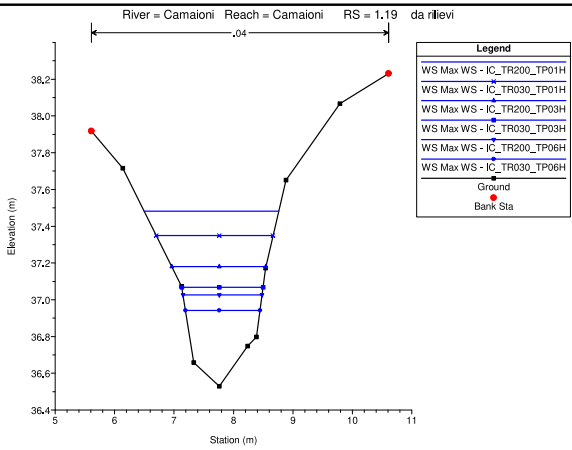
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
MV50151	Brugnano	106	Max WS	IC_TR200_TP01H	1.93	45.05	45.51	45.67	46.09	0.108778	3.51	0.59	2.45	1.97
MV50151	Brugnano	106	Max WS	IC_TR200_TP03H	0.84	45.05	45.38	45.50	45.77	0.112455	2.77	0.30	1.41	1.90
MV50151	Brugnano	106	Max WS	IC_TR200_TP06H	0.49	45.05	45.31	45.40	45.60	0.113648	2.38	0.21	1.25	1.86
MV50151	Brugnano	106	Max WS	IC_TR030_TP01H	1.38	45.05	45.46	45.59	45.95	0.107290	3.18	0.46	2.41	1.92
MV50151	Brugnano	106	Max WS	IC_TR030_TP06H	0.33	45.05	45.27	45.33	45.48	0.105956	2.05	0.16	1.16	1.76
MV50151	Brugnano	106	Max WS	IC_TR030_TP03H	0.58	45.05	45.33	45.45	45.64	0.112279	2.48	0.23	1.29	1.86
MV50151	Brugnano	105.99												
					Lat Struct									
MV50151	Brugnano	105.89	Max WS	IC_TR200_TP01H	1.93	43.97	44.47	44.63	45.05	0.107144	3.51	0.59	2.32	1.93
MV50151	Brugnano	105.89	Max WS	IC_TR200_TP03H	0.84	43.97	44.33	44.45	44.74	0.116234	2.83	0.30	1.34	1.91
MV50151	Brugnano	105.89	Max WS	IC_TR200_TP06H	0.49	43.97	44.26	44.37	44.55	0.114076	2.39	0.21	1.21	1.85
MV50151	Brugnano	105.89	Max WS	IC_TR030_TP01H	1.38	43.97	44.41	44.55	44.91	0.107751	3.20	0.46	2.27	1.90
MV50151	Brugnano	105.89	Max WS	IC_TR030_TP06H	0.33	43.97	44.21	44.28	44.44	0.116961	2.13	0.15	1.13	1.83
MV50151	Brugnano	105.89	Max WS	IC_TR030_TP03H	0.58	43.97	44.28	44.40	44.59	0.107988	2.46	0.23	1.25	1.82
MV50151	Brugnano	105.78	Max WS	IC_TR200_TP01H	1.92	42.90	43.42	43.59	44.00	0.105963	3.50	0.59	2.18	1.89
MV50151	Brugnano	105.78	Max WS	IC_TR200_TP03H	0.84	42.90	43.28	43.41	43.69	0.114190	2.83	0.30	1.29	1.87
MV50151	Brugnano	105.78	Max WS	IC_TR200_TP06H	0.49	42.90	43.20	43.32	43.50	0.110289	2.39	0.21	1.14	1.80
MV50151	Brugnano	105.78	Max WS	IC_TR030_TP01H	1.38	42.90	43.36	43.50	43.87	0.110280	3.24	0.45	2.13	1.89
MV50151	Brugnano	105.78	Max WS	IC_TR030_TP06H	0.33	42.90	43.15	43.23	43.40	0.117660	2.21	0.15	0.98	1.81
MV50151	Brugnano	105.78	Max WS	IC_TR030_TP03H	0.58	42.90	43.23	43.34	43.54	0.108800	2.49	0.23	1.19	1.80
MV50151	Brugnano	105.67	Max WS	IC_TR200_TP01H	1.84	41.82	42.37	42.53	42.94	0.107569	3.48	0.56	2.04	1.86
MV50151	Brugnano	105.67	Max WS	IC_TR200_TP03H	0.84	41.82	42.23	42.36	42.63	0.106700	2.78	0.30	1.48	1.77
MV50151	Brugnano	105.67	Max WS	IC_TR200_TP06H	0.49	41.82	42.14	42.26	42.45	0.106919	2.43	0.20	1.00	1.72
MV50151	Brugnano	105.67	Max WS	IC_TR030_TP01H	1.38	41.82	42.31	42.46	42.82	0.108639	3.23	0.45	1.99	1.84
MV50151	Brugnano	105.67	Max WS	IC_TR030_TP06H	0.33	41.82	42.08	42.17	42.34	0.112902	2.25	0.15	0.86	1.74
MV50151	Brugnano	105.67	Max WS	IC_TR030_TP03H	0.58	41.82	42.17	42.29	42.50	0.112059	2.57	0.23	1.06	1.78
MV50151	Brugnano	105.56	Max WS	IC_TR200_TP01H	1.67	40.75	41.30	41.47	41.88	0.109139	3.40	0.52	1.88	1.81
MV50151	Brugnano	105.56	Max WS	IC_TR200_TP03H	0.84	40.75	41.18	41.31	41.59	0.110514	2.84	0.30	1.34	1.74
MV50151	Brugnano	105.56	Max WS	IC_TR200_TP06H	0.49	40.75	41.08	41.21	41.40	0.107282	2.49	0.20	0.87	1.67
MV50151	Brugnano	105.56	Max WS	IC_TR030_TP01H	1.37	40.75	41.27	41.41	41.76	0.105418	3.19	0.46	1.85	1.76
MV50151	Brugnano	105.56	Max WS	IC_TR030_TP06H	0.33	40.75	41.01	41.10	41.28	0.113075	2.27	0.14	0.79	1.70
MV50151	Brugnano	105.56	Max WS	IC_TR030_TP03H	0.58	40.75	41.10	41.24	41.45	0.110194	2.61	0.22	0.93	1.70
MV50151	Brugnano	105.44	Max WS	IC_TR200_TP01H	1.40	39.67	40.22	40.38	40.73	0.110071	3.25	0.46	1.70	1.74
MV50151	Brugnano	105.44	Max WS	IC_TR200_TP03H	0.84	39.67	40.12	40.25	40.55	0.114471	2.91	0.29	1.05	1.70
MV50151	Brugnano	105.44	Max WS	IC_TR200_TP06H	0.49	39.67	40.01	40.12	40.33	0.108545	2.51	0.20	0.81	1.63
MV50151	Brugnano	105.44	Max WS	IC_TR030_TP01H	1.26	39.67	40.20	40.35	40.69	0.108381	3.15	0.42	1.69	1.72
MV50151	Brugnano	105.44	Max WS	IC_TR030_TP06H	0.33	39.67	39.94	40.03	40.21	0.112630	2.28	0.14	0.74	1.66
MV50151	Brugnano	105.44	Max WS	IC_TR030_TP03H	0.58	39.67	40.04	40.18	40.39	0.108611	2.62	0.22	0.84	1.63
MV50151	Brugnano	105.33	Max WS	IC_TR200_TP01H	1.26	38.60	39.15	39.30	39.65	0.110185	3.18	0.42	1.51	1.66
MV50151	Brugnano	105.33	Max WS	IC_TR200_TP03H	0.84	38.60	39.06	39.20	39.49	0.112783	2.91	0.29	0.87	1.61
MV50151	Brugnano	105.33	Max WS	IC_TR200_TP06H	0.49	38.60	38.95	39.05	39.27	0.108933	2.52	0.20	0.76	1.59
MV50151	Brugnano	105.33	Max WS	IC_TR030_TP01H	1.18	38.60	39.14	39.28	39.62	0.109042	3.12	0.40	1.49	1.64
MV50151	Brugnano	105.33	Max WS	IC_TR030_TP06H	0.33	38.60	38.88	38.96	39.14	0.111590	2.28	0.14	0.70	1.61
MV50151	Brugnano	105.33	Max WS	IC_TR030_TP03H	0.58	38.60	38.98	39.12	39.33	0.108698	2.62	0.22	0.79	1.58
MV50151	Brugnano	105.22	Max WS	IC_TR200_TP01H	1.17	37.53	38.09	38.23	38.57	0.109623	3.12	0.39	1.33	1.57
MV50151	Brugnano	105.22	Max WS	IC_TR200_TP03H	0.84	37.53	38.01	38.15	38.43	0.110524	2.87	0.29	0.81	1.53
MV50151	Brugnano	105.22	Max WS	IC_TR200_TP06H	0.49	37.53	37.88	37.98	38.21	0.108919	2.51	0.20	0.72	1.53
MV50151	Brugnano	105.22	Max WS	IC_TR030_TP01H	1.14	37.53	38.08	38.23	38.56	0.109444	3.09	0.38	1.32	1.56
MV50151	Brugnano	105.22	Max WS	IC_TR030_TP06H	0.33	37.53	37.81	37.89	38.07	0.110663	2.27	0.14	0.66	1.56
MV50151	Brugnano	105.22	Max WS	IC_TR030_TP03H	0.58	37.53	37.92	38.06	38.26	0.107397	2.60	0.22	0.75	1.52
MV50151	Brugnano	105.11	Max WS	IC_TR200_TP01H	1.10	36.45	37.02	37.17	37.49	0.109412	3.06	0.37	1.17	1.48
MV50151	Brugnano	105.11	Max WS	IC_TR200_TP03H	0.84	36.45	36.96	37.09	37.36	0.106076	2.81	0.30	1.14	1.44
MV50151	Brugnano	105.11	Max WS	IC_TR200_TP06H	0.49	36.45	36.82	36.91	37.14	0.108013	2.49	0.20	0.88	1.47
MV50151	Brugnano	105.11	Max WS	IC_TR030_TP01H	1.08	36.45	37.02	37.16	37.48	0.109300	3.05	0.37	1.16	1.48
MV50151	Brugnano	105.11	Max WS	IC_TR030_TP06H	0.33	36.45	36.74	36.82	37.00	0.109584	2.26	0.15	0.63	1.50
MV50151	Brugnano	105.11	Max WS	IC_TR030_TP03H	0.58	36.45	36.86	36.99	37.20	0.105831	2.57	0.23	0.71	1.45
MV50151	Brugnano	105	Max WS	IC_TR200_TP01H	0.77	35.38	36.02	36.01	36.20	0.040233	1.91	0.42	1.07	0.87
MV50151	Brugnano	105	Max WS	IC_TR200_TP03H	0.71	35.38	36.00	36.00	36.17	0.037593	1.83	0.40	1.07	0.84
MV50151	Brugnano	105	Max WS	IC_TR200_TP06H	0.48	35.38	35.96	36.00	36.06	0.024539	1.41	0.35	1.05	0.67
MV50151	Brugnano	105	Max WS	IC_TR030_TP01H	0.76	35.38	36.01	36.00	36.19	0.040165	1.91	0.42	1.07	0.87
MV50151	Brugnano	105	Max WS	IC_TR030_TP06H	0.33	35.38	35.91	35.97	35.97	0.015657	1.07	0.31	1.03	0.53
MV50151	Brugnano	105	Max WS	IC_TR030_TP03H	0.55	35.38	35.97	36.09	36.09	0.028508	1.54	0.37	1.05	0.72
MV50151	Brugnano	104.99												
					Lat Struct									
MV50151	Brugnano	104	Max WS	IC_TR200_TP01H	0.40	34.60	35.05	34.94	35.10	0.012563	0.99	0.40	1.41	0.60
MV50151	Brugnano	104	Max WS	IC_TR200_TP03H	0.39	34.60	35.04	34.94	35.09	0.012589	0.99	0.39	1.40	0.60
MV50151	Brugnano	104	Max WS	IC_TR200_TP06H	0.36	34.60	35.03	34.93	35.07	0.012746	0.98	0.37	1.36	0.60
MV50151	Brugnano	104	Max WS	IC_TR030_TP01H	0.40	34.60	35.05	34.94	35.10	0.012548	0.99	0.40	1.41	0.60
MV50151	Brugnano	104	Max WS	IC_TR030_TP06H	0.32	34.60	35.00	34.91	35.05	0.012877	0.95	0.34	1.30	0.60
MV50151	Brugnano	104	Max WS	IC_TR030_TP03H	0.37	34.60	35.03	34.93	35.08	0.012700	0.98	0.38	1.38	0.60
MV50151	Brugnano	103.91												
					Ini Struct									
MV50151	Brugnano	103.901	Max WS	IC_TR200_TP01H	0.40	32.42	34.61	34.61	34.61	0.000086	0.17	2.27	1.08	0.04
MV50151	Brugnano	103.901	Max WS	IC_TR200_TP03H	0.39	32.42	33.57	33.58	33.58	0.000398	0.33	1.17	1.04	0.10
MV50151	Brugnano	103.901	Max WS	IC_TR200_TP06H	0.36	32.42	33.29	33.30	33.30	0.000680	0.41	0.88	1.03	0.14
MV50151	Brugnano	103.901	Max WS	IC_TR030_TP01H	0.40	32.42	34.02	34.02	34.02	0.000183	0.24	1.64	1.05	0.06
MV50151	Brugnano	103.901	Max WS	IC_TR030_TP06H	0.32	32.42	33.12	33.13	33.13	0.000823	0.45	0.71	1.02	0.17
MV50151	Brugnano	103.901	Max WS	IC_TR030_TP03H	0.37	32.42	33.37	33.37	33.37	0.000585	0.39	0.96	1.03	0.13
MV50151	Brugnano	103.9	Max WS	IC_TR200_TP01H	2.78	32.42	34.41	33.34	34.50	0.005367	1.35	2.05	1.07	0.31
MV50151	Brugnano	103.9	Max WS	IC_TR200_TP03H	1.42	32.42	33.34	33.01	33.46	0.009290	1.53	0.93	1.03	0.51
MV50151	Brugnano	103.9	Max WS	IC_TR200_TP06H	0.96	32.42	33.12	32.87	33.21	0.008424	1.35	0.71	1.02	0.52
MV50151	Brugnano	103.9	Max WS	IC_TR030_TP01H	2.09	32.42	33.77	33.18	33.89	0.007636	1.51	1.38	1.05	0.42
MV50151														

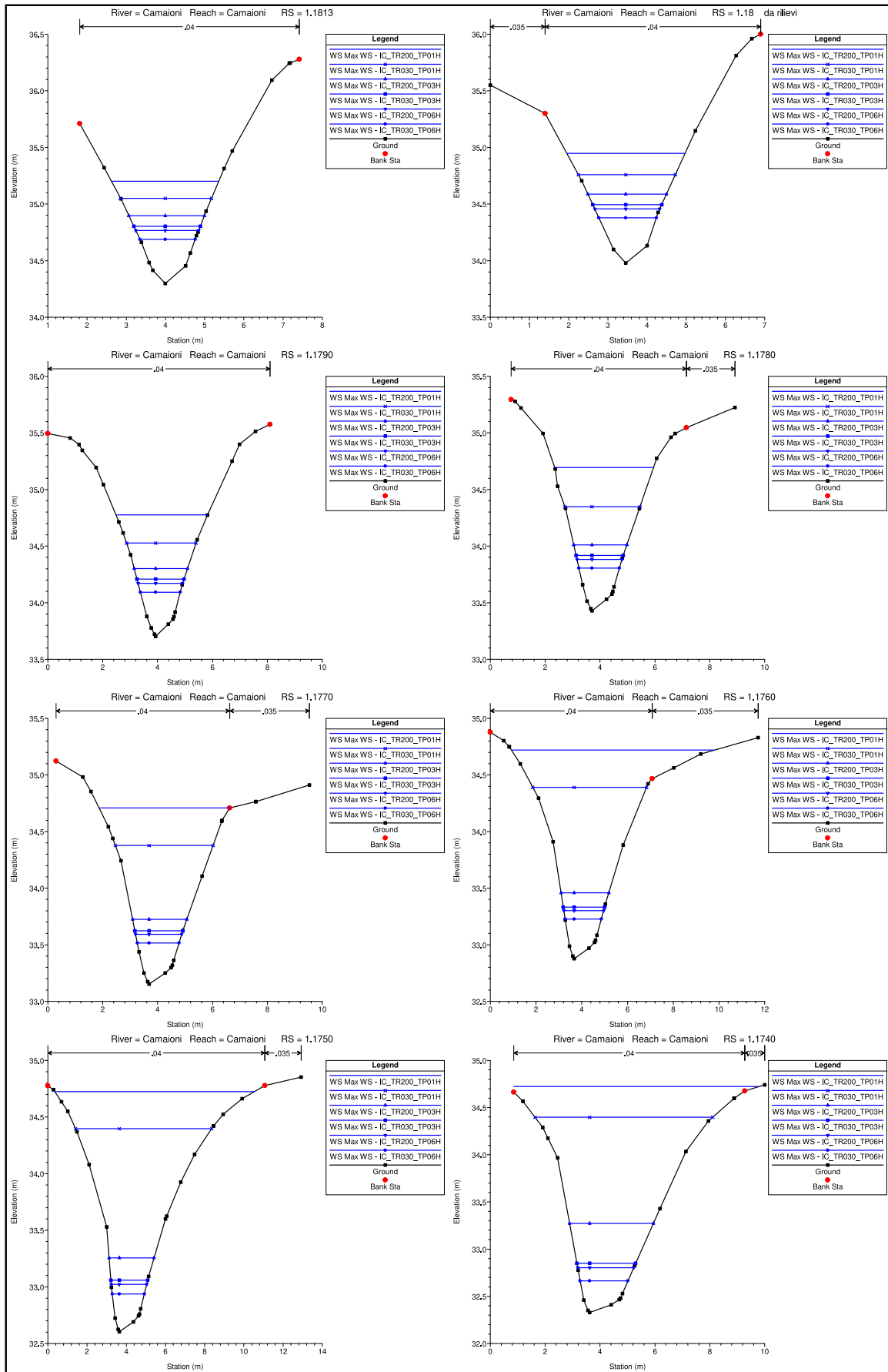


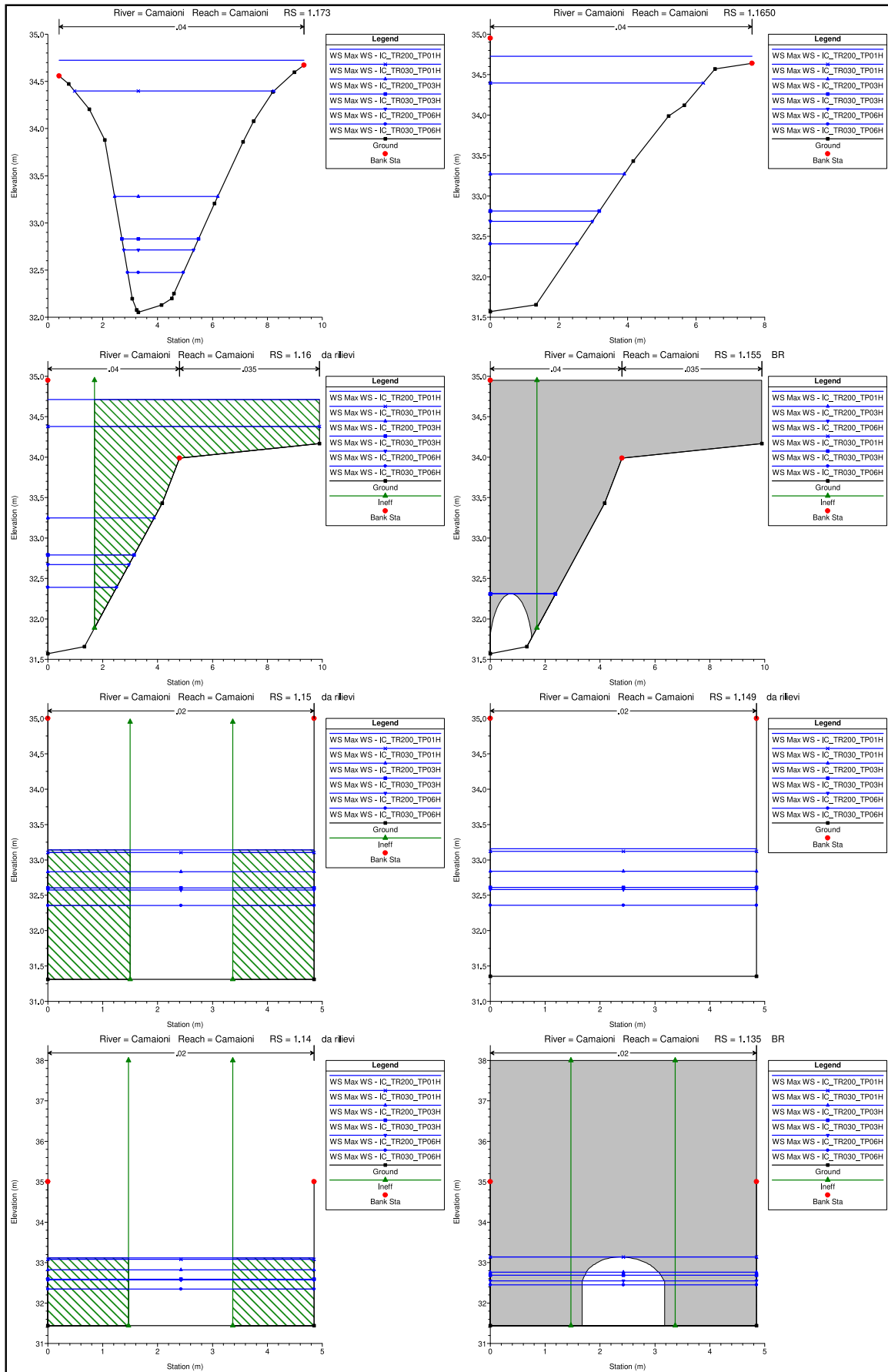


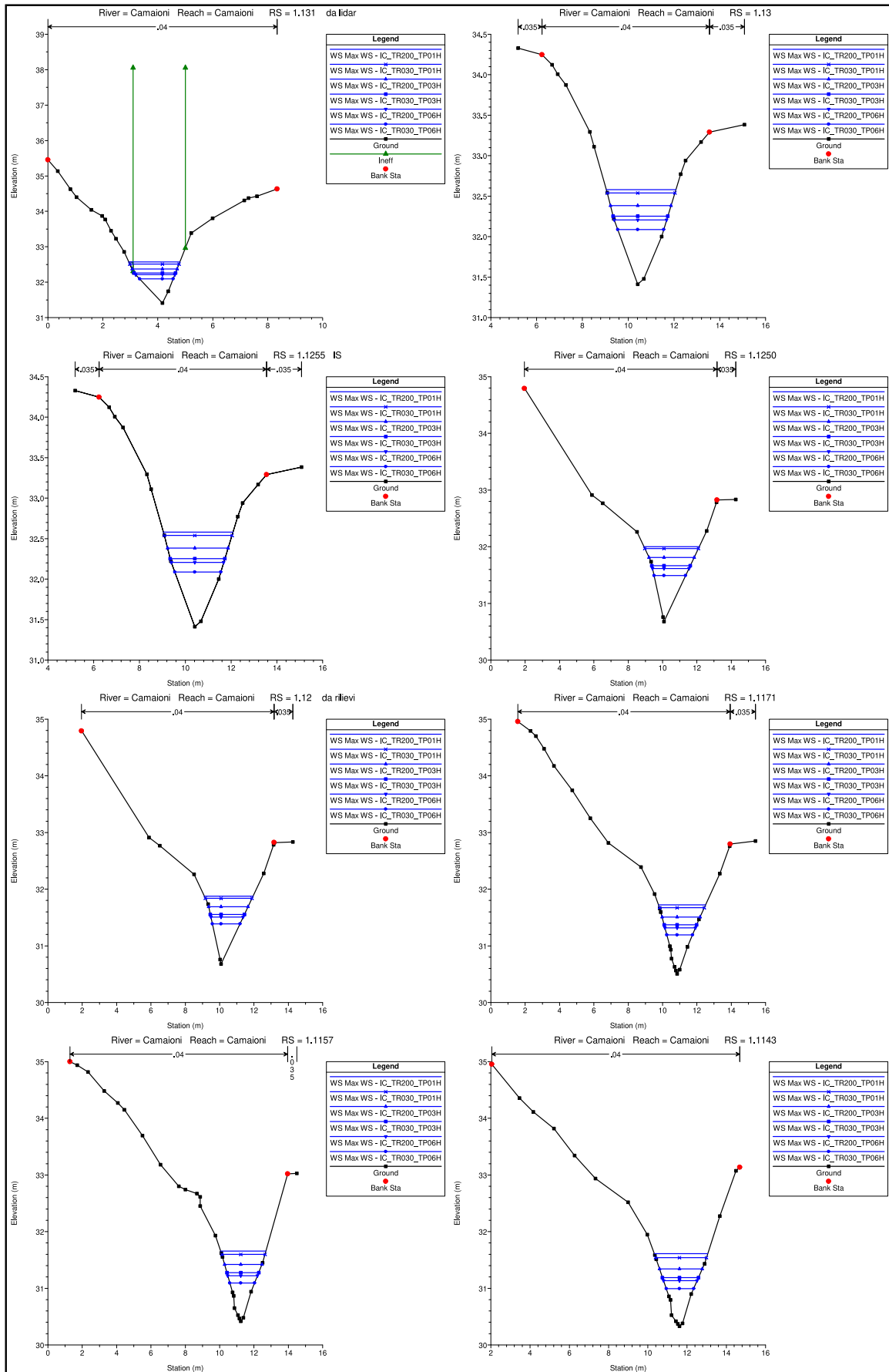


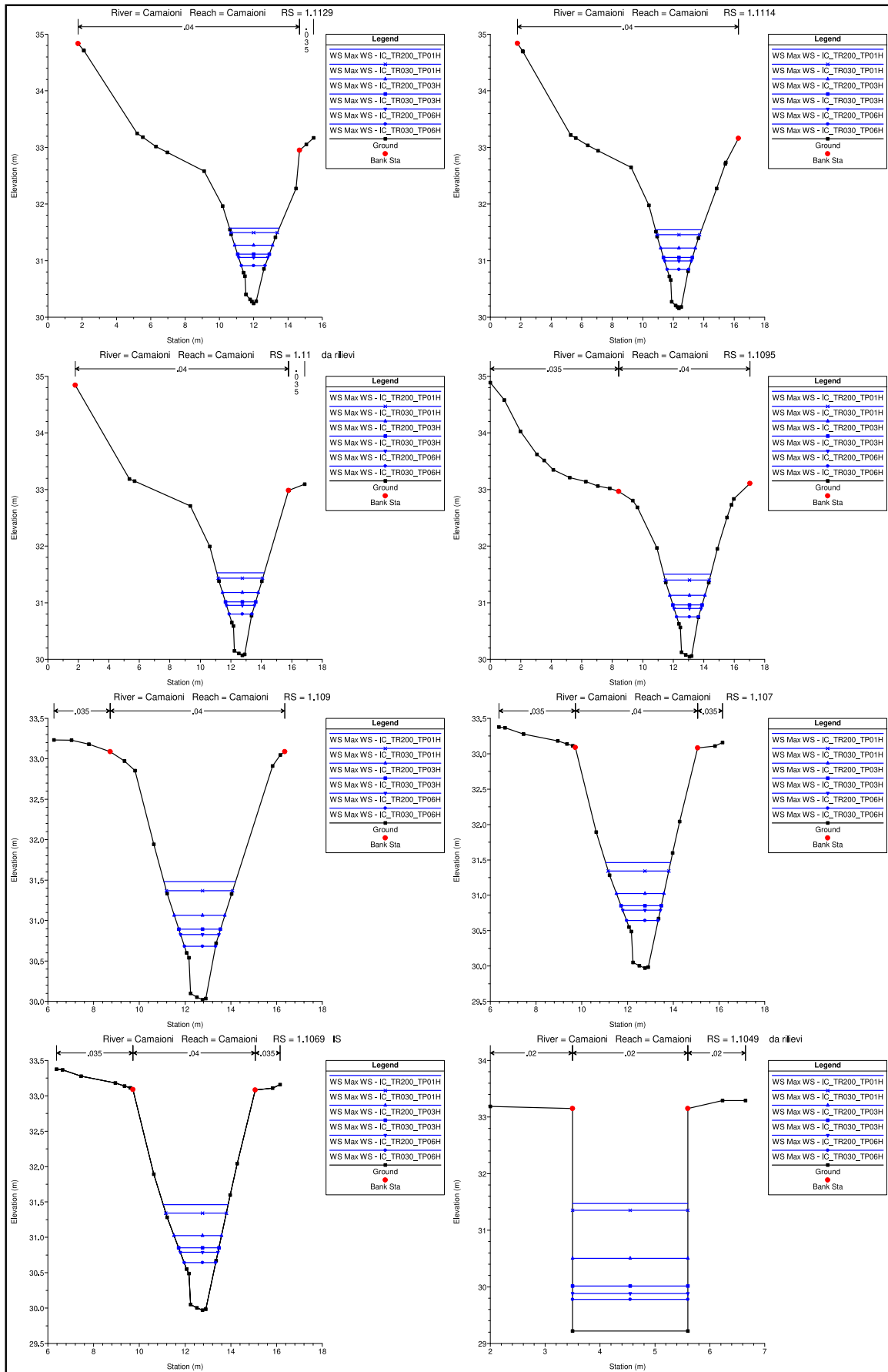
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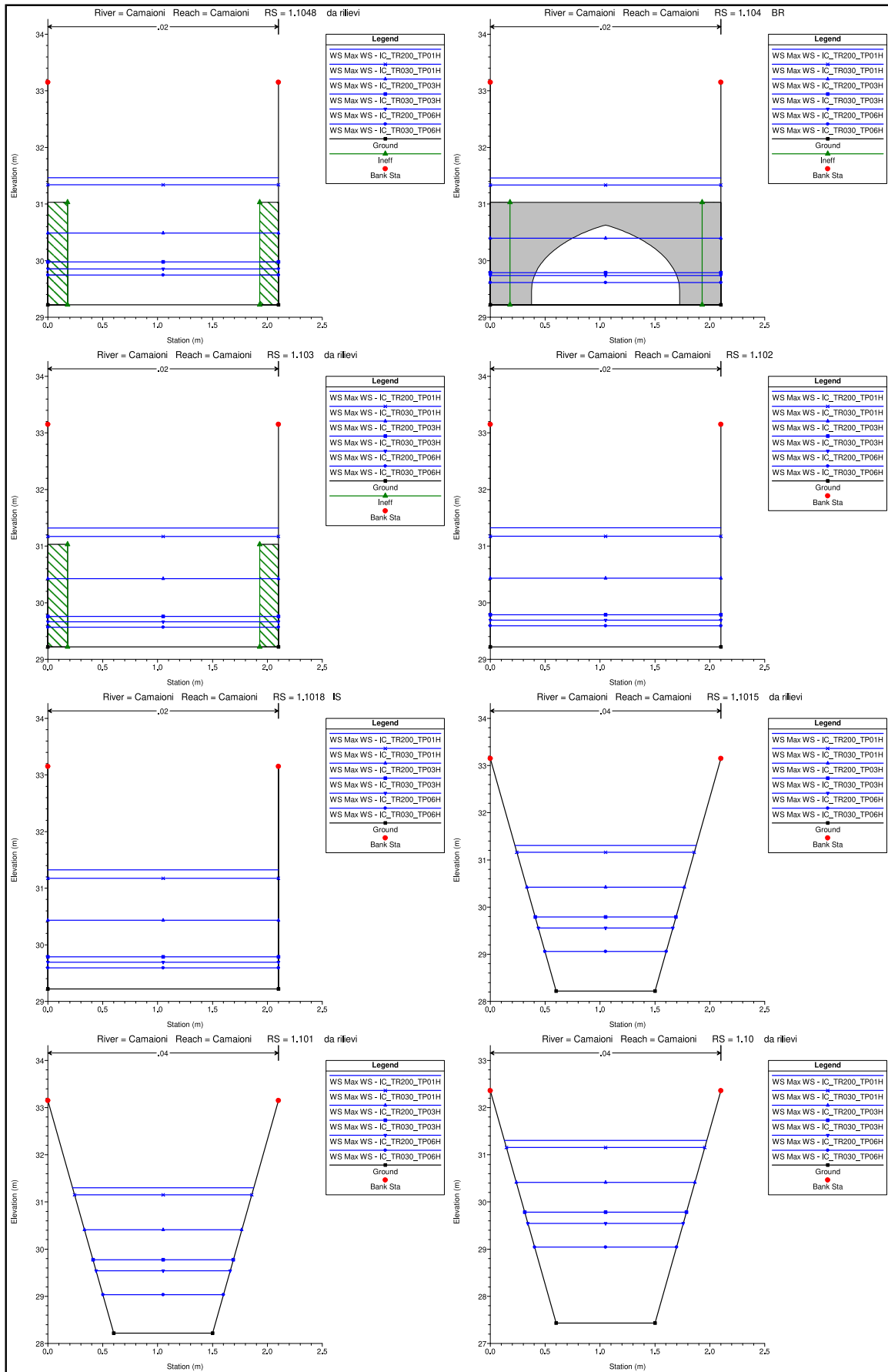














HEC-RAS Profile: Max WS

River	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/s)	(m2)	(m)		
Camaioni	Camaioni	1.19	Max WS	IC_TR200_TP01H	4.50	36.53	37.48	37.70	38.14	0.069984	3.59	1.25	2.26	1.54
Camaioni	Camaioni	1.19	Max WS	IC_TR200_TP03H	1.99	36.53	37.18	37.32	37.62	0.067711	2.95	0.67	1.58	1.44
Camaioni	Camaioni	1.19	Max WS	IC_TR200_TP06H	1.18	36.53	37.03	37.13	37.37	0.067352	2.60	0.45	1.33	1.42
Camaioni	Camaioni	1.19	Max WS	IC_TR030_TP01H	3.21	36.53	37.35	37.52	37.91	0.068758	3.30	0.97	1.96	1.50
Camaioni	Camaioni	1.19	Max WS	IC_TR030_TP03H	1.38	36.53	37.07	37.18	37.44	0.066694	2.70	0.51	1.37	1.41
Camaioni	Camaioni	1.19	Max WS	IC_TR030_TP06H	0.79	36.53	36.94	37.01	37.21	0.066649	2.31	0.34	1.25	1.41
Camaioni	Camaioni	1.1889		Lat Struct										
Camaioni	Camaioni	1.1888	Max WS	IC_TR200_TP01H	4.50	36.21	37.11	37.37	37.84	0.082270	3.77	1.20	2.41	1.71
Camaioni	Camaioni	1.1888	Max WS	IC_TR200_TP03H	1.99	36.21	36.83	36.99	37.32	0.076105	3.09	0.64	1.60	1.55
Camaioni	Camaioni	1.1888	Max WS	IC_TR200_TP06H	1.18	36.21	36.70	36.80	37.06	0.071981	2.66	0.44	1.36	1.49
Camaioni	Camaioni	1.1888	Max WS	IC_TR030_TP01H	3.21	36.21	36.99	37.20	37.61	0.080769	3.49	0.92	2.02	1.65
Camaioni	Camaioni	1.1888	Max WS	IC_TR030_TP03H	1.38	36.21	36.73	36.85	37.13	0.072409	2.78	0.49	1.40	1.49
Camaioni	Camaioni	1.1888	Max WS	IC_TR030_TP06H	0.79	36.21	36.62	36.69	36.90	0.070112	2.35	0.34	1.28	1.46
Camaioni	Camaioni	1.1887		Lat Struct										
Camaioni	Camaioni	1.1875	Max WS	IC_TR200_TP01H	4.50	35.89	36.72	36.89	37.24	0.056037	3.20	1.41	3.11	1.52
Camaioni	Camaioni	1.1875	Max WS	IC_TR200_TP03H	1.99	35.89	36.47	36.59	36.85	0.062935	2.72	0.73	2.27	1.53
Camaioni	Camaioni	1.1875	Max WS	IC_TR200_TP06H	1.18	35.89	36.35	36.44	36.65	0.067978	2.44	0.48	1.88	1.54
Camaioni	Camaioni	1.1875	Max WS	IC_TR030_TP01H	3.21	35.89	36.61	36.75	37.06	0.058313	2.98	1.08	2.73	1.52
Camaioni	Camaioni	1.1875	Max WS	IC_TR030_TP03H	1.37	35.89	36.38	36.48	36.71	0.066166	2.52	0.55	1.99	1.53
Camaioni	Camaioni	1.1875	Max WS	IC_TR030_TP06H	0.79	35.89	36.28	36.36	36.53	0.069179	2.21	0.36	1.66	1.52
Camaioni	Camaioni	1.1863	Max WS	IC_TR200_TP01H	4.50	35.57	36.45	36.64	36.99	0.059218	3.27	1.38	2.96	1.53
Camaioni	Camaioni	1.1863	Max WS	IC_TR200_TP03H	1.99	35.57	36.18	36.30	36.56	0.059422	2.74	0.73	2.02	1.46
Camaioni	Camaioni	1.1863	Max WS	IC_TR200_TP06H	1.18	35.57	36.05	36.14	36.35	0.062744	2.45	0.48	1.88	1.46
Camaioni	Camaioni	1.1863	Max WS	IC_TR030_TP01H	3.21	35.57	36.33	36.48	36.80	0.059655	3.05	1.05	2.51	1.50
Camaioni	Camaioni	1.1863	Max WS	IC_TR030_TP03H	1.37	35.57	36.08	36.18	36.41	0.060426	2.52	0.55	1.76	1.45
Camaioni	Camaioni	1.1863	Max WS	IC_TR030_TP06H	0.79	35.57	35.97	36.04	36.22	0.065273	2.22	0.36	1.52	1.47
Camaioni	Camaioni	1.1850	Max WS	IC_TR200_TP01H	4.50	35.25	36.15	36.33	36.74	0.064573	3.41	1.32	2.75	1.57
Camaioni	Camaioni	1.1850	Max WS	IC_TR200_TP03H	1.99	35.25	35.87	36.01	36.30	0.068150	2.90	0.69	1.88	1.53
Camaioni	Camaioni	1.1850	Max WS	IC_TR200_TP06H	1.18	35.25	35.74	35.84	36.07	0.068963	2.58	0.46	1.52	1.50
Camaioni	Camaioni	1.1850	Max WS	IC_TR030_TP01H	3.21	35.25	36.02	36.19	36.55	0.068006	3.22	1.00	2.34	1.57
Camaioni	Camaioni	1.1850	Max WS	IC_TR030_TP03H	1.37	35.25	35.77	35.89	36.13	0.067744	2.65	0.52	1.62	1.50
Camaioni	Camaioni	1.1850	Max WS	IC_TR030_TP06H	0.79	35.25	35.65	35.74	35.93	0.068562	2.32	0.34	1.36	1.47
Camaioni	Camaioni	1.1838	Max WS	IC_TR200_TP01H	4.50	34.93	35.83	36.04	36.47	0.067561	3.54	1.27	2.46	1.57
Camaioni	Camaioni	1.1838	Max WS	IC_TR200_TP03H	1.99	34.93	35.54	35.67	35.98	0.068158	2.93	0.68	1.83	1.54
Camaioni	Camaioni	1.1838	Max WS	IC_TR200_TP06H	1.18	34.93	35.41	35.52	35.75	0.069225	2.58	0.46	1.54	1.51
Camaioni	Camaioni	1.1838	Max WS	IC_TR030_TP01H	3.21	34.93	35.69	35.88	36.25	0.067385	3.31	0.97	2.07	1.54
Camaioni	Camaioni	1.1838	Max WS	IC_TR030_TP03H	1.37	34.93	35.45	35.56	35.81	0.067719	2.66	0.52	1.62	1.51
Camaioni	Camaioni	1.1838	Max WS	IC_TR030_TP06H	0.79	34.93	35.33	35.42	35.61	0.068848	2.32	0.34	1.38	1.48
Camaioni	Camaioni	1.1825	Max WS	IC_TR200_TP01H	4.50	34.62	35.51	35.71	36.13	0.064489	3.50	1.29	2.47	1.55
Camaioni	Camaioni	1.1825	Max WS	IC_TR200_TP03H	1.99	34.62	35.22	35.35	35.66	0.067698	2.93	0.68	1.80	1.53
Camaioni	Camaioni	1.1825	Max WS	IC_TR200_TP06H	1.18	34.62	35.09	35.19	35.43	0.068937	2.57	0.46	1.56	1.51
Camaioni	Camaioni	1.1825	Max WS	IC_TR030_TP01H	3.21	34.62	35.37	35.55	35.93	0.067366	3.31	0.97	2.09	1.55
Camaioni	Camaioni	1.1825	Max WS	IC_TR030_TP03H	1.38	34.62	35.13	35.23	35.49	0.067522	2.66	0.52	1.63	1.51
Camaioni	Camaioni	1.1825	Max WS	IC_TR030_TP06H	0.79	34.62	35.01	35.09	35.28	0.068670	2.31	0.34	1.38	1.49
Camaioni	Camaioni	1.1813	Max WS	IC_TR200_TP01H	4.50	34.30	35.20	35.36	35.73	0.052699	3.22	1.40	2.74	1.44
Camaioni	Camaioni	1.1813	Max WS	IC_TR200_TP03H	1.99	34.30	34.90	35.03	35.32	0.066177	2.87	0.69	1.93	1.53
Camaioni	Camaioni	1.1813	Max WS	IC_TR200_TP06H	1.18	34.30	34.77	34.87	35.10	0.068868	2.55	0.46	1.61	1.52
Camaioni	Camaioni	1.1813	Max WS	IC_TR030_TP01H	3.21	34.30	35.05	35.21	35.56	0.062291	3.16	1.02	2.32	1.53
Camaioni	Camaioni	1.1813	Max WS	IC_TR030_TP03H	1.38	34.30	34.80	34.91	35.16	0.066973	2.63	0.52	1.70	1.51
Camaioni	Camaioni	1.1813	Max WS	IC_TR030_TP06H	0.79	34.30	34.69	34.77	34.96	0.069062	2.31	0.34	1.41	1.49
Camaioni	Camaioni	1.18	Max WS	IC_TR200_TP01H	4.49	33.98	34.95	35.03	35.34	0.035501	2.76	1.63	3.02	1.20
Camaioni	Camaioni	1.18	Max WS	IC_TR200_TP03H	1.99	33.98	34.59	34.70	34.97	0.058872	2.74	0.73	2.01	1.45
Camaioni	Camaioni	1.18	Max WS	IC_TR200_TP06H	1.18	33.98	34.46	34.54	34.76	0.060154	2.42	0.49	1.66	1.43
Camaioni	Camaioni	1.18	Max WS	IC_TR030_TP01H	3.21	33.98	34.76	34.88	35.19	0.050184	2.90	1.11	2.47	1.38
Camaioni	Camaioni	1.18	Max WS	IC_TR030_TP03H	1.38	33.98	34.49	34.59	34.81	0.058884	2.50	0.55	1.76	1.43
Camaioni	Camaioni	1.18	Max WS	IC_TR030_TP06H	0.79	33.98	34.38	34.45	34.62	0.060188	2.18	0.36	1.47	1.40
Camaioni	Camaioni	1.1790	Max WS	IC_TR200_TP01H	4.48	33.70	34.78	34.75	35.05	0.022528	2.31	1.94	3.34	0.97
Camaioni	Camaioni	1.1790	Max WS	IC_TR200_TP03H	1.99	33.70	34.30	34.42	34.70	0.061245	2.80	0.71	1.94	1.48
Camaioni	Camaioni	1.1790	Max WS	IC_TR200_TP06H	1.18	33.70	34.17	34.26	34.48	0.061717	2.46	0.48	1.63	1.45
Camaioni	Camaioni	1.1790	Max WS	IC_TR030_TP01H	3.20	33.70	34.53	34.61	34.88	0.038458	2.64	1.21	2.53	1.22
Camaioni	Camaioni	1.1790	Max WS	IC_TR030_TP03H	1.37	33.70	34.21	34.30	34.54	0.061069	2.55	0.54	1.72	1.45
Camaioni	Camaioni	1.1790	Max WS	IC_TR030_TP06H	0.79	33.70	34.09	34.16	34.34	0.061861	2.21	0.36	1.46	1.42
Camaioni	Camaioni	1.1780	Max WS	IC_TR200_TP01H	4.62	33.43	34.69		34.85	0.010514	1.78	2.60	3.60	0.67
Camaioni	Camaioni	1.1780	Max WS	IC_TR200_TP03H	1.99	33.43	34.01	34.13	34.41	0.061414	2.80	0.71	1.94	1.48
Camaioni	Camaioni	1.1780	Max WS	IC_TR200_TP06H	1.18	33.43	33.88	33.97	34.19	0.061806	2.45	0.48	1.64	1.45
Camaioni	Camaioni	1.1780	Max WS	IC_TR030_TP01H	3.17	33.43	34.35		34.58	0.021370	2.12	1.50	2.73	0.92
Camaioni	Camaioni	1.1780	Max WS	IC_TR030_TP03H	1.37	33.43	33.92	34.01	34.25	0.062167	2.56	0.54	1.72	1.46
Camaioni	Camaioni	1.1780	Max WS	IC_TR030_TP06H	0.79	33.43	33.81	33.87	34.05	0.062596	2.21	0.36	1.48	1.43
Camaioni	Camaioni	1.1770	Max WS	IC_TR200_TP01H	4.71	33.15	34.71		34.78	0.004085	1.22	3.87	4.78	0.43
Camaioni	Camaioni	1.1770	Max WS	IC_TR200_TP03H	1.99	33.15	33.72	33.83	34.11	0.058145	2.74	0.73	1.97	1.44
Camaioni	Camaioni	1.1770	Max WS	IC_TR200_TP06H	1.18	33.15	33.59	33.68	33.89	0.061226	2.43	0.49	1.68	1.44
Camaioni	Camaioni	1.1770	Max WS	IC_TR030_TP01H	3.18	33.15	34.38		34.46	0.005499	1.27	2.51	3.56	0.48
Camaioni	Camaioni	1.1770	Max WS	IC_TR030_TP03H	1.38	33.15	33.62	33.72	33.95	0.062047	2.55	0.54	1.75	1.46
Camaioni	Camaioni	1.1770	Max WS	IC_TR030_TP06H	0.79	33.15	33.52	33.58	33.76	0.062507	2.19	0.36	1.52	1.43
Camaioni	Camaioni	1.1760	Max WS	IC_TR200_TP01H	4.65	32.88	34.72		34.75	0.001376	0.80	6.06	8.88	0.26
Camaioni	Camaioni	1.1760	Max WS	IC_TR200_TP03H	1.99	32.88	33.46	33.54	33.78	0.046208	2.50	0.79	2.09	1.30
Camaioni	Camaioni	1.1760	Max WS	IC_TR200_TP06H	1.18	32.88	33.30	33.38	33.59	0.060109	2.39	0.49	1.74	1.43
Camaioni	Camaioni	1.1760	Max WS	IC_TR030_TP01H	3.18	32.88	34.39		34.43	0.001896	0.82	3.89	4.97	0.30
Camaioni	Camaioni	1.1760	Max WS	IC_TR030_TP03H	1.38	32.88	33.33	33.43	33.65	0.060680	2.51	0.55	1.81	1.45
Camaioni	Camaioni	1.1760	Max WS	IC_TR030_TP06H	0.79	32.88	33.23	33.29	33.46	0.061964	2.16	0.37	1.58	1.43
Camaioni	Camaioni	1.1750	Max WS	IC_TR200_TP01H	4.64	32.60	34.72		34.74	0.000702	0.55	8.52	10.19	0.19
Camaioni	Camaioni	1.1750	Max WS	IC_TR200_TP03H	1.77	32.60	33.26		33.42	0.019750	1.77	1.00	2.30	0.86
Camaioni	Camaioni	1.1750	Max WS	IC_TR200_TP06H	1.18	32.60								

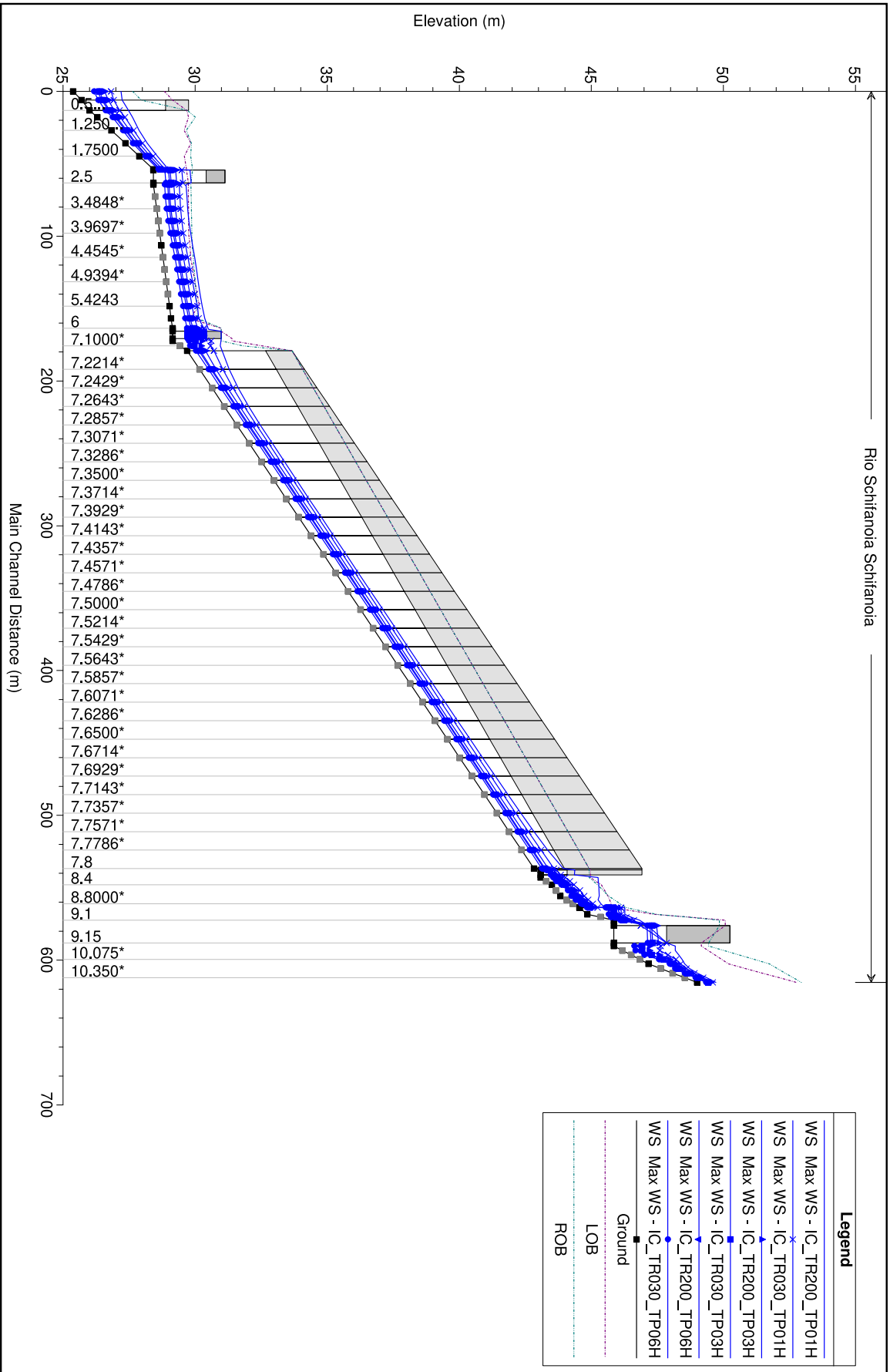
HEC-RAS Profile: Max WS (Continued)

River	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
Camaioni	Camaioni	1,1740	Max WS	IC_TR030_TP01H	3.18	32.33	34.40		34.41	0.000423	0.46	6.85	6.47	0.14
Camaioni	Camaioni	1,1740	Max WS	IC_TR030_TP03H	1.26	32.33	32.85		32.99	0.020955	1.64	0.77	2.14	0.87
Camaioni	Camaioni	1,1740	Max WS	IC_TR030_TP06H	0.79	32.33	32.66	32.71	32.86	0.050298	1.96	0.41	1.74	1.30
Camaioni	Camaioni	1,173	Max WS	IC_TR200_TP01H	4.58	32.05	34.72		34.73	0.000243	0.40	11.43	8.92	0.11
Camaioni	Camaioni	1,173	Max WS	IC_TR200_TP03H	1.99	32.05	33.28		33.30	0.001400	0.68	2.93	3.76	0.25
Camaioni	Camaioni	1,173	Max WS	IC_TR200_TP06H	1.06	32.05	32.71		32.76	0.005021	0.92	1.15	2.54	0.44
Camaioni	Camaioni	1,173	Max WS	IC_TR030_TP01H	3.19	32.05	34.40		34.41	0.000222	0.36	8.74	7.27	0.11
Camaioni	Camaioni	1,173	Max WS	IC_TR030_TP03H	1.38	32.05	32.83		32.87	0.004393	0.94	1.46	2.79	0.42
Camaioni	Camaioni	1,173	Max WS	IC_TR030_TP06H	0.79	32.05	32.47		32.56	0.016956	1.32	0.60	2.03	0.78
Camaioni	Camaioni	1,172		Lat Struct										
Camaioni	Camaioni	1,1650	Max WS	IC_TR200_TP01H	3.25	31.57	34.73		34.73	0.000108	0.27	12.17	7.63	0.07
Camaioni	Camaioni	1,1650	Max WS	IC_TR200_TP03H	1.99	31.57	33.27		33.28	0.000546	0.46	4.29	3.91	0.14
Camaioni	Camaioni	1,1650	Max WS	IC_TR200_TP06H	1.02	31.57	32.69		32.70	0.000776	0.45	2.28	2.98	0.16
Camaioni	Camaioni	1,1650	Max WS	IC_TR030_TP01H	3.19	31.57	34.40		34.40	0.000163	0.32	9.90	6.21	0.08
Camaioni	Camaioni	1,1650	Max WS	IC_TR030_TP03H	1.38	31.57	32.81		32.83	0.000921	0.52	2.67	3.18	0.18
Camaioni	Camaioni	1,1650	Max WS	IC_TR030_TP06H	0.79	31.57	32.41		32.42	0.001404	0.53	1.51	2.53	0.22
Camaioni	Camaioni	1,16	Max WS	IC_TR200_TP01H	3.02	31.57	34.71	32.33	34.73	0.000498	0.58	5.21	9.89	0.11
Camaioni	Camaioni	1,16	Max WS	IC_TR200_TP03H	1.99	31.57	33.25	32.16	33.27	0.001173	0.73	2.72	3.87	0.18
Camaioni	Camaioni	1,16	Max WS	IC_TR200_TP06H	1.02	31.57	32.67	31.98	32.69	0.001066	0.59	1.74	2.95	0.18
Camaioni	Camaioni	1,16	Max WS	IC_TR030_TP01H	2.83	31.57	34.38	32.30	34.40	0.000584	0.61	4.65	9.89	0.12
Camaioni	Camaioni	1,16	Max WS	IC_TR030_TP03H	1.38	31.57	32.79	32.05	32.82	0.001420	0.71	1.94	3.14	0.21
Camaioni	Camaioni	1,16	Max WS	IC_TR030_TP06H	0.79	31.57	32.39	31.93	32.41	0.001635	0.63	1.26	2.50	0.23
Camaioni	Camaioni	1,155		Bridge										
Camaioni	Camaioni	1,15	Max WS	IC_TR200_TP01H	3.02	31.31	33.14		33.18	0.000139	0.88	3.42	4.85	0.21
Camaioni	Camaioni	1,15	Max WS	IC_TR200_TP03H	1.64	31.31	32.83		32.85	0.000076	0.58	2.85	4.85	0.15
Camaioni	Camaioni	1,15	Max WS	IC_TR200_TP06H	1.01	31.31	32.57		32.58	0.000054	0.43	2.37	4.85	0.12
Camaioni	Camaioni	1,15	Max WS	IC_TR030_TP01H	2.83	31.31	33.10		33.14	0.000131	0.85	3.35	4.85	0.20
Camaioni	Camaioni	1,15	Max WS	IC_TR030_TP03H	1.38	31.31	32.60		32.62	0.000092	0.57	2.42	4.85	0.16
Camaioni	Camaioni	1,15	Max WS	IC_TR030_TP06H	0.79	31.31	32.35		32.36	0.000062	0.41	1.95	4.85	0.13
Camaioni	Camaioni	1,1495		Lat Struct										
Camaioni	Camaioni	1,1494		Lat Struct										
Camaioni	Camaioni	1,149	Max WS	IC_TR200_TP01H	3.02	31.35	33.16		33.16	0.000046	0.35	8.75	4.85	0.08
Camaioni	Camaioni	1,149	Max WS	IC_TR200_TP03H	1.62	31.35	32.84		32.84	0.000022	0.22	7.21	4.85	0.06
Camaioni	Camaioni	1,149	Max WS	IC_TR200_TP06H	1.01	31.35	32.58		32.58	0.000015	0.17	5.95	4.85	0.05
Camaioni	Camaioni	1,149	Max WS	IC_TR030_TP01H	2.83	31.35	33.12		33.13	0.000043	0.33	8.57	4.85	0.08
Camaioni	Camaioni	1,149	Max WS	IC_TR030_TP03H	1.38	31.35	32.61		32.61	0.000026	0.23	6.09	4.85	0.06
Camaioni	Camaioni	1,149	Max WS	IC_TR030_TP06H	0.79	31.35	32.36		32.36	0.000017	0.16	4.87	4.85	0.05
Camaioni	Camaioni	1,14	Max WS	IC_TR200_TP01H	3.02	31.44	33.11	32.07	33.16	0.000182	0.95	3.18	4.85	0.23
Camaioni	Camaioni	1,14	Max WS	IC_TR200_TP03H	1.55	31.44	32.82	31.85	32.84	0.000090	0.59	2.63	4.85	0.16
Camaioni	Camaioni	1,14	Max WS	IC_TR200_TP06H	1.01	31.44	32.57	31.75	32.58	0.000076	0.47	2.14	4.85	0.14
Camaioni	Camaioni	1,14	Max WS	IC_TR030_TP01H	2.83	31.44	33.08	32.05	33.12	0.000171	0.91	3.12	4.85	0.23
Camaioni	Camaioni	1,14	Max WS	IC_TR030_TP03H	1.38	31.44	32.59	31.82	32.61	0.000131	0.63	2.19	4.85	0.19
Camaioni	Camaioni	1,14	Max WS	IC_TR030_TP06H	0.79	31.44	32.35	31.70	32.36	0.000095	0.46	1.72	4.85	0.15
Camaioni	Camaioni	1,135		Bridge										
Camaioni	Camaioni	1,131	Max WS	IC_TR200_TP01H	3.02	31.41	32.57	32.58	32.92	0.034160	2.61	1.15	1.86	1.01
Camaioni	Camaioni	1,131	Max WS	IC_TR200_TP03H	1.94	31.41	32.37	32.38	32.65	0.037821	2.33	0.83	1.64	1.03
Camaioni	Camaioni	1,131	Max WS	IC_TR200_TP06H	1.20	31.41	32.21	32.22	32.43	0.039361	2.06	0.58	1.43	1.03
Camaioni	Camaioni	1,131	Max WS	IC_TR030_TP01H	2.83	31.41	32.51	32.55	32.88	0.039635	2.69	1.05	1.79	1.08
Camaioni	Camaioni	1,131	Max WS	IC_TR030_TP03H	1.37	31.41	32.26	32.26	32.49	0.038946	2.11	0.65	1.51	1.02
Camaioni	Camaioni	1,131	Max WS	IC_TR030_TP06H	0.79	31.41	32.10	32.09	32.27	0.039443	1.86	0.43	1.23	1.00
Camaioni	Camaioni	1,1305		Lat Struct										
Camaioni	Camaioni	1,1304		Lat Struct										
Camaioni	Camaioni	1,13	Max WS	IC_TR200_TP01H	3.07	31.41	32.58	32.35	32.70	0.009209	1.54	1.99	3.04	0.61
Camaioni	Camaioni	1,13	Max WS	IC_TR200_TP03H	1.99	31.41	32.38	32.19	32.48	0.009350	1.38	1.44	2.85	0.60
Camaioni	Camaioni	1,13	Max WS	IC_TR200_TP06H	1.20	31.41	32.21	32.04	32.28	0.009326	1.21	1.00	2.29	0.59
Camaioni	Camaioni	1,13	Max WS	IC_TR030_TP01H	2.84	31.41	32.54	32.32	32.66	0.009238	1.51	1.88	2.96	0.61
Camaioni	Camaioni	1,13	Max WS	IC_TR030_TP03H	1.40	31.41	32.25	32.06	32.33	0.009402	1.26	1.11	2.39	0.59
Camaioni	Camaioni	1,13	Max WS	IC_TR030_TP06H	0.80	31.41	32.09	31.94	32.15	0.009295	1.09	0.74	2.01	0.57
Camaioni	Camaioni	1,1255		Int Struct										
Camaioni	Camaioni	1,1250	Max WS	IC_TR200_TP01H	3.07	30.68	32.00		32.12	0.010080	1.53	2.01	3.22	0.62
Camaioni	Camaioni	1,1250	Max WS	IC_TR200_TP03H	1.99	30.68	31.81		31.90	0.009847	1.37	1.45	2.63	0.59
Camaioni	Camaioni	1,1250	Max WS	IC_TR200_TP06H	1.19	30.68	31.62		31.69	0.009579	1.20	0.99	2.13	0.56
Camaioni	Camaioni	1,1250	Max WS	IC_TR030_TP01H	2.84	30.68	31.97		32.08	0.009897	1.49	1.90	3.12	0.61
Camaioni	Camaioni	1,1250	Max WS	IC_TR030_TP03H	1.39	30.68	31.67		31.75	0.009760	1.26	1.11	2.24	0.57
Camaioni	Camaioni	1,1250	Max WS	IC_TR030_TP06H	0.80	30.68	31.49		31.55	0.009279	1.08	0.75	1.84	0.54
Camaioni	Camaioni	1,12	Max WS	IC_TR200_TP01H	3.04	30.68	31.87		32.05	0.017014	1.86	1.63	2.83	0.78
Camaioni	Camaioni	1,12	Max WS	IC_TR200_TP03H	1.99	30.68	31.69		31.84	0.017689	1.72	1.16	2.29	0.77
Camaioni	Camaioni	1,12	Max WS	IC_TR200_TP06H	1.19	30.68	31.51		31.63	0.018280	1.53	0.78	1.88	0.76
Camaioni	Camaioni	1,12	Max WS	IC_TR030_TP01H	2.84	30.68	31.84		32.01	0.017372	1.85	1.53	2.72	0.79
Camaioni	Camaioni	1,12	Max WS	IC_TR030_TP03H	1.37	30.68	31.55		31.68	0.018226	1.58	0.87	1.99	0.77
Camaioni	Camaioni	1,12	Max WS	IC_TR030_TP06H	0.80	30.68	31.39		31.49	0.018846	1.40	0.57	1.61	0.75
Camaioni	Camaioni	1,1171	Max WS	IC_TR200_TP01H	3.03	30.50	31.72		31.89	0.015861	1.83	1.65	2.74	0.75
Camaioni	Camaioni	1,1171	Max WS	IC_TR200_TP03H	1.99	30.50	31.51		31.67	0.018766	1.77	1.13	2.22	0.79
Camaioni	Camaioni	1,1171	Max WS	IC_TR200_TP06H	1.18	30.50	31.32		31.45	0.019720	1.59	0.75	1.78	0.78
Camaioni	Camaioni	1,1171	Max WS	IC_TR030_TP01H	2.84	30.50	31.67		31.85	0.017166	1.86	1.52	2.61	0.78
Camaioni	Camaioni	1,1171	Max WS	IC_TR030_TP03H	1.37	30.50	31.37		31.51	0.019553	1.64	0.84	1.90	0.79
Camaioni	Camaioni	1,1171	Max WS	IC_TR030_TP06H	0.80	30.50	31.20		31.30	0.020653	1.47	0.54	1.50	0.78
Camaioni	Camaioni	1,1157	Max WS	IC_TR200_TP01H	3.03	30.42	31.66		31.82	0.014270	1.78	1.70	2.64	0.71
Camaioni	Camaioni	1,1157	Max WS	IC_TR200_TP03H	1.99	30.42	31.42		31.58	0.018544	1.76	1.13	2.19	0.78
Camaioni	Camaioni	1,1157	Max WS	IC_TR200_TP06H	1.18	30.42	31.22		31.35	0.020072	1.60	0.74	1.74	0.78
Camaioni	Camaioni	1,1157	Max WS	IC_TR030_TP01H	2.84	30.42	31.60		31.77	0.016032	1.83	1.55	2.53	0.75
Camaioni	Camaioni	1,1157	Max WS	IC_TR030_TP03H	1.37	30.42	31.28		31.42	0.019690	1.65	0.83	1.86	0.79
Camaioni	Camaioni	1,1157	Max WS	IC_TR030_TP06H	0.80	30.42	31.09		31.21	0.021446	1.50	0.53	1.44	0.79
Camaioni	Camaioni	1,1143	Max WS	IC_TR200_TP01H	3.03	30.33	31.61		31.75	0.012095	1.67	1.81	2.72	0.65

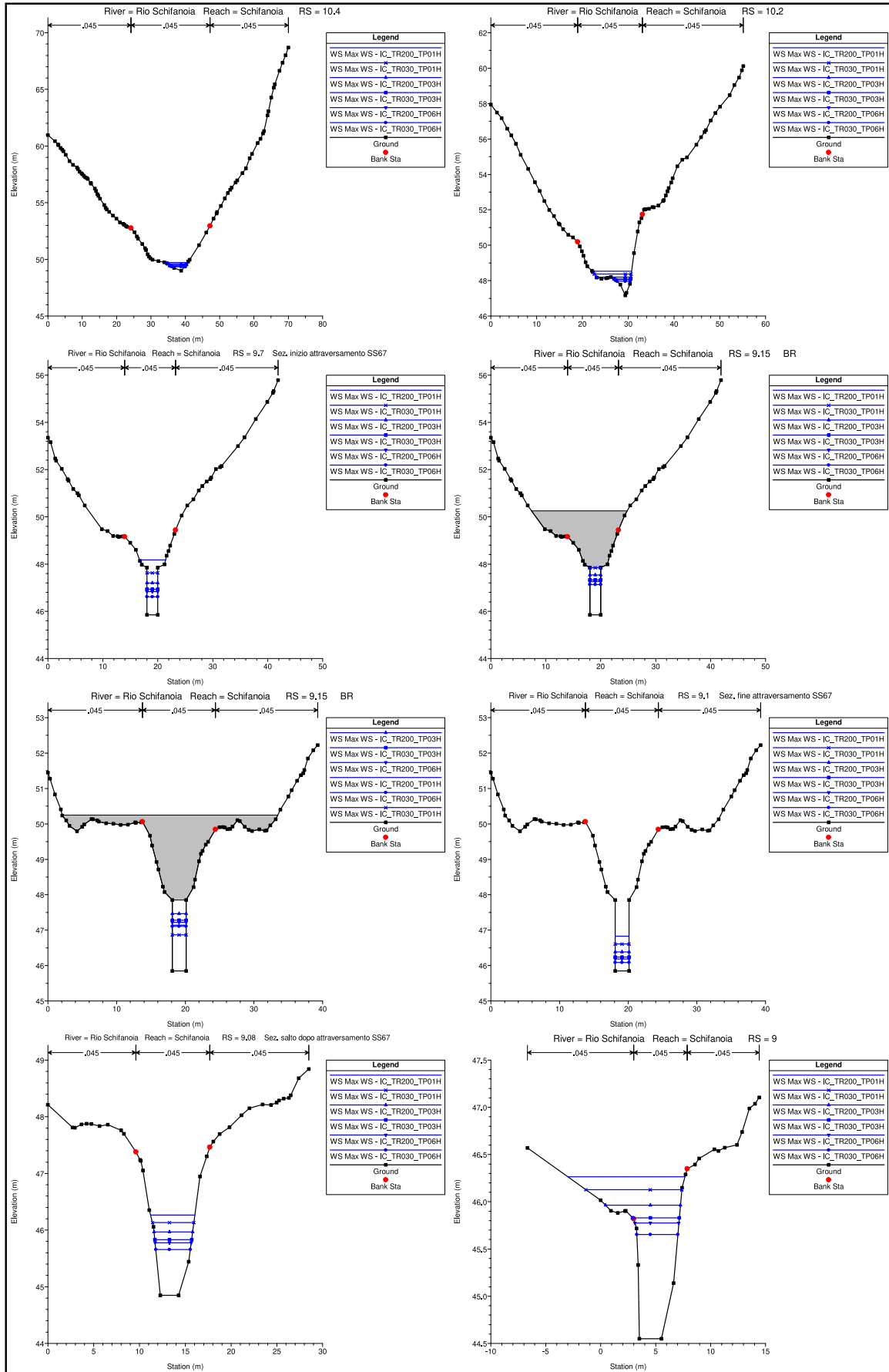
HEC-RAS Profile: Max WS (Continued)

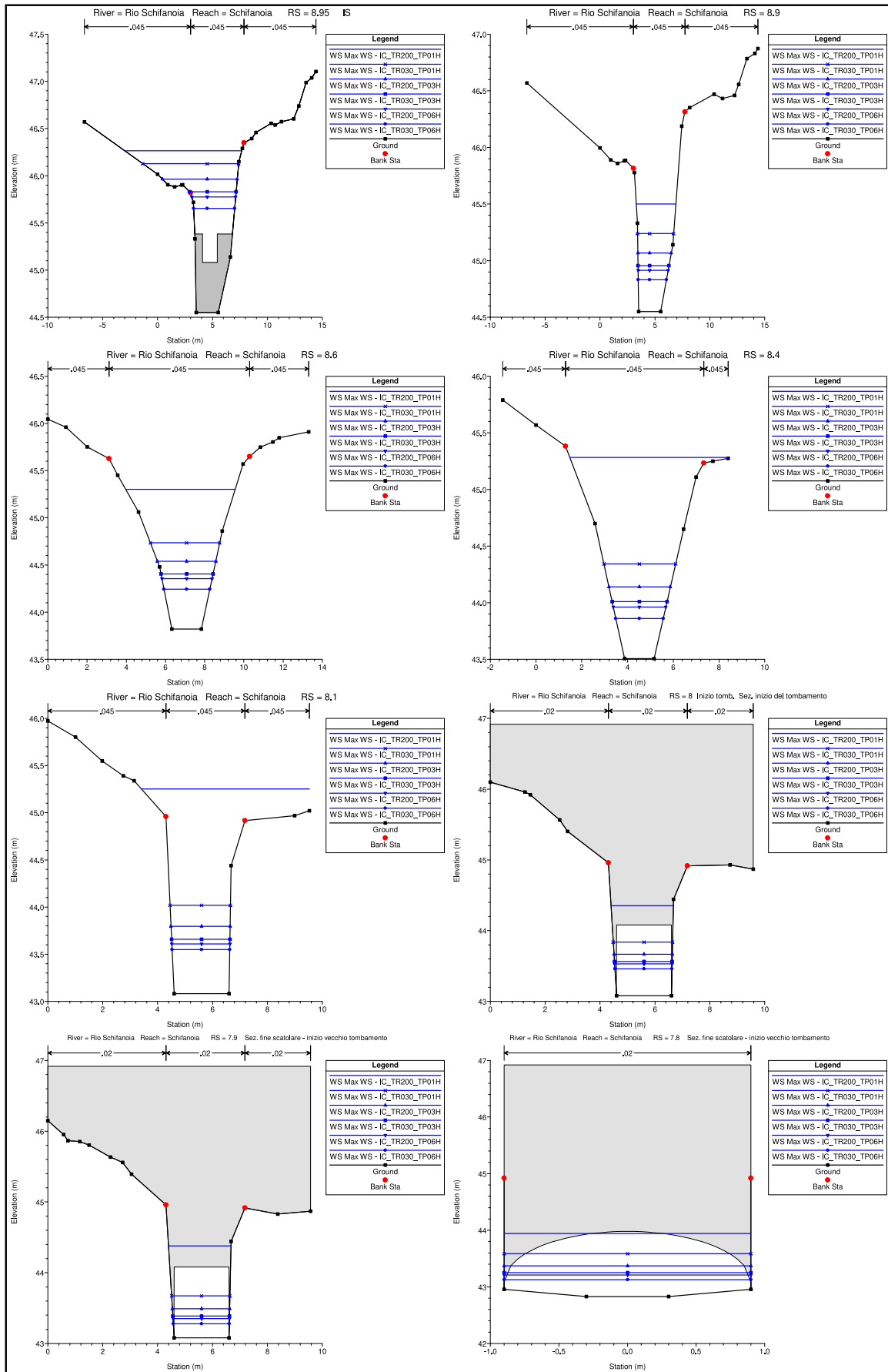
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Camaioni	Camaioni	1,1143	Max WS	IC_TR200_TP03H	1.99	30.33	31.34		31.49	0.017660	1.73	1.15	2.18	0.76
Camaioni	Camaioni	1,1143	Max WS	IC_TR200_TP06H	1.18	30.33	31.13		31.26	0.019465	1.58	0.75	1.71	0.77
Camaioni	Camaioni	1,1143	Max WS	IC_TR030_TP01H	2.83	30.33	31.54		31.70	0.014229	1.74	1.63	2.59	0.70
Camaioni	Camaioni	1,1143	Max WS	IC_TR030_TP03H	1.37	30.33	31.19		31.32	0.018955	1.63	0.85	1.84	0.76
Camaioni	Camaioni	1,1143	Max WS	IC_TR030_TP06H	0.79	30.33	31.00		31.11	0.021143	1.49	0.53	1.40	0.77
Camaioni	Camaioni	1,1129	Max WS	IC_TR200_TP01H	3.02	30.24	31.57		31.69	0.009889	1.53	1.97	2.90	0.59
Camaioni	Camaioni	1,1129	Max WS	IC_TR200_TP03H	1.99	30.24	31.27		31.41	0.015693	1.65	1.21	2.20	0.71
Camaioni	Camaioni	1,1129	Max WS	IC_TR200_TP06H	1.18	30.24	31.05		31.17	0.017410	1.52	0.78	1.71	0.72
Camaioni	Camaioni	1,1129	Max WS	IC_TR030_TP01H	2.83	30.24	31.49		31.63	0.011995	1.62	1.75	2.71	0.65
Camaioni	Camaioni	1,1129	Max WS	IC_TR030_TP03H	1.37	30.24	31.12		31.24	0.016850	1.55	0.89	1.85	0.72
Camaioni	Camaioni	1,1129	Max WS	IC_TR030_TP06H	0.79	30.24	30.91		31.01	0.018795	1.43	0.55	1.38	0.72
Camaioni	Camaioni	1,1114	Max WS	IC_TR200_TP01H	3.02	30.16	31.55		31.65	0.007821	1.40	2.16	3.02	0.53
Camaioni	Camaioni	1,1114	Max WS	IC_TR200_TP03H	1.99	30.16	31.22		31.34	0.012938	1.53	1.30	2.26	0.65
Camaioni	Camaioni	1,1114	Max WS	IC_TR200_TP06H	1.18	30.16	30.99		31.09	0.014033	1.40	0.84	1.75	0.64
Camaioni	Camaioni	1,1114	Max WS	IC_TR030_TP01H	2.83	30.16	31.46		31.57	0.009647	1.49	1.90	2.81	0.58
Camaioni	Camaioni	1,1114	Max WS	IC_TR030_TP03H	1.37	30.16	31.06		31.16	0.013707	1.43	0.96	1.89	0.64
Camaioni	Camaioni	1,1114	Max WS	IC_TR030_TP06H	0.79	30.16	30.85		30.93	0.014668	1.30	0.61	1.42	0.63
Camaioni	Camaioni	1,11	Max WS	IC_TR200_TP01H	3.02	30.07	31.53		31.61	0.006037	1.27	2.38	3.11	0.46
Camaioni	Camaioni	1,11	Max WS	IC_TR200_TP03H	1.99	30.07	31.11		31.28	0.010085	1.39	1.43	2.36	0.57
Camaioni	Camaioni	1,11	Max WS	IC_TR200_TP06H	1.18	30.07	30.95		31.03	0.010325	1.24	0.95	1.84	0.55
Camaioni	Camaioni	1,11	Max WS	IC_TR030_TP01H	2.83	30.07	31.43		31.52	0.007488	1.35	2.09	2.92	0.51
Camaioni	Camaioni	1,11	Max WS	IC_TR030_TP03H	1.37	30.07	31.02		31.10	0.010277	1.28	1.07	1.98	0.56
Camaioni	Camaioni	1,11	Max WS	IC_TR030_TP06H	0.79	30.07	30.80		30.87	0.010238	1.13	0.70	1.50	0.53
Camaioni	Camaioni	1,1095	Max WS	IC_TR200_TP01H	3.02	30.05	31.50		31.59	0.005979	1.27	2.39	3.09	0.46
Camaioni	Camaioni	1,1095	Max WS	IC_TR200_TP03H	1.99	30.05	31.13		31.24	0.011312	1.45	1.37	2.30	0.60
Camaioni	Camaioni	1,1095	Max WS	IC_TR200_TP06H	1.18	30.05	30.90		30.99	0.011855	1.31	0.90	1.78	0.59
Camaioni	Camaioni	1,1095	Max WS	IC_TR030_TP01H	2.83	30.05	31.40		31.50	0.007661	1.37	2.08	2.90	0.52
Camaioni	Camaioni	1,1095	Max WS	IC_TR030_TP03H	1.37	30.05	30.96		31.05	0.011814	1.35	1.02	1.92	0.59
Camaioni	Camaioni	1,1095	Max WS	IC_TR030_TP06H	0.79	30.05	30.75		30.82	0.011803	1.20	0.66	1.44	0.56
Camaioni	Camaioni	1,1093		Lat Struct										
Camaioni	Camaioni	1,109	Max WS	IC_TR200_TP01H	3.02	30.02	31.48		31.56	0.005941	1.26	2.40	3.13	0.46
Camaioni	Camaioni	1,109	Max WS	IC_TR200_TP03H	1.99	30.02	31.06		31.19	0.013502	1.55	1.28	2.21	0.65
Camaioni	Camaioni	1,109	Max WS	IC_TR200_TP06H	1.18	30.02	30.83		30.93	0.015070	1.44	0.82	1.67	0.65
Camaioni	Camaioni	1,109	Max WS	IC_TR030_TP01H	2.83	30.02	31.37		31.47	0.007872	1.38	2.06	2.89	0.52
Camaioni	Camaioni	1,109	Max WS	IC_TR030_TP03H	1.37	30.02	30.89		31.00	0.014738	1.47	0.93	1.82	0.66
Camaioni	Camaioni	1,109	Max WS	IC_TR030_TP06H	0.79	30.02	30.68		30.77	0.015112	1.32	0.60	1.36	0.63
Camaioni	Camaioni	1,107	Max WS	IC_TR200_TP01H	3.02	29.97	31.46	31.00	31.54	0.006052	1.28	2.35	2.84	0.45
Camaioni	Camaioni	1,107	Max WS	IC_TR200_TP03H	1.99	29.97	31.03	30.81	31.15	0.013255	1.56	1.28	2.08	0.63
Camaioni	Camaioni	1,107	Max WS	IC_TR200_TP06H	1.18	29.97	30.79	30.61	30.89	0.014218	1.41	0.84	1.64	0.63
Camaioni	Camaioni	1,107	Max WS	IC_TR030_TP01H	2.83	29.97	31.34	30.98	31.44	0.007922	1.40	2.03	2.65	0.51
Camaioni	Camaioni	1,107	Max WS	IC_TR030_TP03H	1.37	29.97	30.85	30.66	30.96	0.013975	1.45	0.95	1.76	0.63
Camaioni	Camaioni	1,107	Max WS	IC_TR030_TP06H	0.79	29.97	30.64	30.47	30.73	0.014151	1.29	0.62	1.38	0.61
Camaioni	Camaioni	1,1069		Int Struct										
Camaioni	Camaioni	1,1049	Max WS	IC_TR200_TP01H	3.02	29.22	31.47		31.49	0.000254	0.64	4.73	2.10	0.14
Camaioni	Camaioni	1,1049	Max WS	IC_TR200_TP03H	1.99	29.22	30.50		30.53	0.000452	0.74	2.70	2.10	0.21
Camaioni	Camaioni	1,1049	Max WS	IC_TR200_TP06H	1.18	29.22	29.88		29.92	0.000959	0.85	1.39	2.10	0.33
Camaioni	Camaioni	1,1049	Max WS	IC_TR030_TP01H	2.83	29.22	31.35		31.37	0.000256	0.63	4.48	2.10	0.14
Camaioni	Camaioni	1,1049	Max WS	IC_TR030_TP03H	1.36	29.22	30.02		30.05	0.000765	0.82	1.67	2.10	0.29
Camaioni	Camaioni	1,1049	Max WS	IC_TR030_TP06H	0.77	29.22	29.78		29.80	0.000659	0.66	1.18	2.10	0.28
Camaioni	Camaioni	1,1048	Max WS	IC_TR200_TP01H	3.02	29.22	31.46	29.89	31.49	0.000416	0.74	4.08	2.10	0.17
Camaioni	Camaioni	1,1048	Max WS	IC_TR200_TP03H	1.99	29.22	30.49	29.73	30.53	0.000235	0.90	2.22	2.10	0.25
Camaioni	Camaioni	1,1048	Max WS	IC_TR200_TP06H	1.18	29.22	29.85	29.58	29.91	0.000838	1.07	1.11	2.10	0.43
Camaioni	Camaioni	1,1048	Max WS	IC_TR030_TP01H	2.83	29.22	31.34	29.86	31.37	0.000432	0.74	3.82	2.10	0.18
Camaioni	Camaioni	1,1048	Max WS	IC_TR030_TP03H	1.37	29.22	29.98	29.62	30.03	0.000618	1.03	1.33	2.10	0.38
Camaioni	Camaioni	1,1048	Max WS	IC_TR030_TP06H	0.77	29.22	29.75	29.49	29.78	0.000663	0.84	0.92	2.10	0.37
Camaioni	Camaioni	1,104		Bridge										
Camaioni	Camaioni	1,103	Max WS	IC_TR200_TP01H	3.02	29.22	31.32		31.35	0.000508	0.80	3.77	2.10	0.19
Camaioni	Camaioni	1,103	Max WS	IC_TR200_TP03H	1.99	29.22	30.42		30.47	0.000278	0.94	2.11	2.10	0.27
Camaioni	Camaioni	1,103	Max WS	IC_TR200_TP06H	1.18	29.22	29.66		29.78	0.002776	1.53	0.77	2.10	0.73
Camaioni	Camaioni	1,103	Max WS	IC_TR030_TP01H	2.83	29.22	31.17		31.20	0.000559	0.82	3.46	2.10	0.20
Camaioni	Camaioni	1,103	Max WS	IC_TR030_TP03H	1.44	29.22	29.76		29.88	0.002168	1.54	0.94	2.10	0.67
Camaioni	Camaioni	1,103	Max WS	IC_TR030_TP06H	0.82	29.22	29.57		29.66	0.002979	1.35	0.61	2.10	0.73
Camaioni	Camaioni	1,102	Max WS	IC_TR200_TP01H	3.02	29.22	31.32	29.81	31.35	0.000301	0.68	4.42	2.10	0.15
Camaioni	Camaioni	1,102	Max WS	IC_TR200_TP03H	1.99	29.22	30.43	29.67	30.47	0.000523	0.78	2.55	2.10	0.23
Camaioni	Camaioni	1,102	Max WS	IC_TR200_TP06H	1.18	29.22	29.69	29.54	29.76	0.002549	1.19	0.99	2.10	0.56
Camaioni	Camaioni	1,102	Max WS	IC_TR030_TP01H	2.83	29.22	31.18	29.79	31.20	0.000317	0.69	4.11	2.10	0.16
Camaioni	Camaioni	1,102	Max WS	IC_TR030_TP03H	1.44	29.22	29.79	29.58	29.86	0.002222	1.21	1.19	2.10	0.51
Camaioni	Camaioni	1,102	Max WS	IC_TR030_TP06H	0.83	29.22	29.59	29.47	29.65	0.002521	1.06	0.78	2.10	0.56
Camaioni	Camaioni	1,1018		Int Struct										
Camaioni	Camaioni	1,1015	Max WS	IC_TR200_TP01H	3.02	28.22	31.31		31.34	0.002072	0.77	3.94	1.65	0.16
Camaioni	Camaioni	1,1015	Max WS	IC_TR200_TP03H	1.99	28.22	30.42		30.45	0.002541	0.77	2.57	1.44	0.18
Camaioni	Camaioni	1,1015	Max WS	IC_TR200_TP06H	1.18	28.22	29.56		29.59	0.003809	0.83	1.42	1.22	0.25
Camaioni	Camaioni	1,1015	Max WS	IC_TR030_TP01H	2.83	28.22	31.16		31.19	0.002127	0.77	3.70	1.62	0.16
Camaioni	Camaioni	1,1015	Max WS	IC_TR030_TP03H	1.44	28.22	29.79		29.82	0.003607	0.84	1.71	1.28	0.23
Camaioni	Camaioni	1,1015	Max WS	IC_TR030_TP06H	0.79	28.22	29.06		29.11	0.006346	0.94	0.84	1.10	0.34
Camaioni	Camaioni	1,101	Max WS	IC_TR200_TP01H	3.02	28.22	31.30		31.33	0.002088	0.77	3.93	1.65	0.16
Camaioni	Camaioni	1,101	Max WS	IC_TR200_TP03H	1.99	28.22	30.41		30.44	0.002574	0.78	2.56	1.43	0.19
Camaioni	Camaioni	1,101	Max WS	IC_TR200_TP06H	1.18	28.22	29.54		29.58	0.003932	0.84	1.40	1.22	0.25
Camaioni	Camaioni	1,101	Max WS	IC_TR030_TP01H	2.83	28.22	31.15		31.18	0.002145	0.77	3.69	1.61	0.16
Camaioni	Camaioni	1,101	Max WS	IC_TR030_TP03H	1.44	28.22	29.77		29.81	0.003668	0.85	1.69	1.28	0.24
Camaioni	Camaioni	1,101	Max WS	IC_TR030_TP06H	0.79	28.22	29.03		29.08	0.006970	0.98	0.81	1.10	0.36
Camaioni	Camaioni	1,10	Max WS	IC_TR200_TP01H	3.02	27.43	31.30	28.43	31.32	0.001000	0.57	5.31	1.84	0.11
Camaioni	Camaioni	1,10	Max WS	IC_TR200_TP03H	1.99	27.43	30.41	28.19	30.43	0.001000	0.53	3.77	1.63	0.11
Camaioni	Camaioni	1,10	Max WS	IC_TR200_TP06H	1.18	27.43	29.55	27.97	29.56	0.001000	0.48	2.45	1.42	0.12
Camaioni	Camaioni	1,10	Max WS	IC_TR030_TP01H	2.83	27.43	31.16	28.39	31.17	0.001000	0.56	5.04	1.81	0.11
Camaioni	Camaioni	1,10	Max WS	IC_TR030_TP03H	1.38	27.43	29.79	28.03	29.80	0.001001	0.49	2.80		

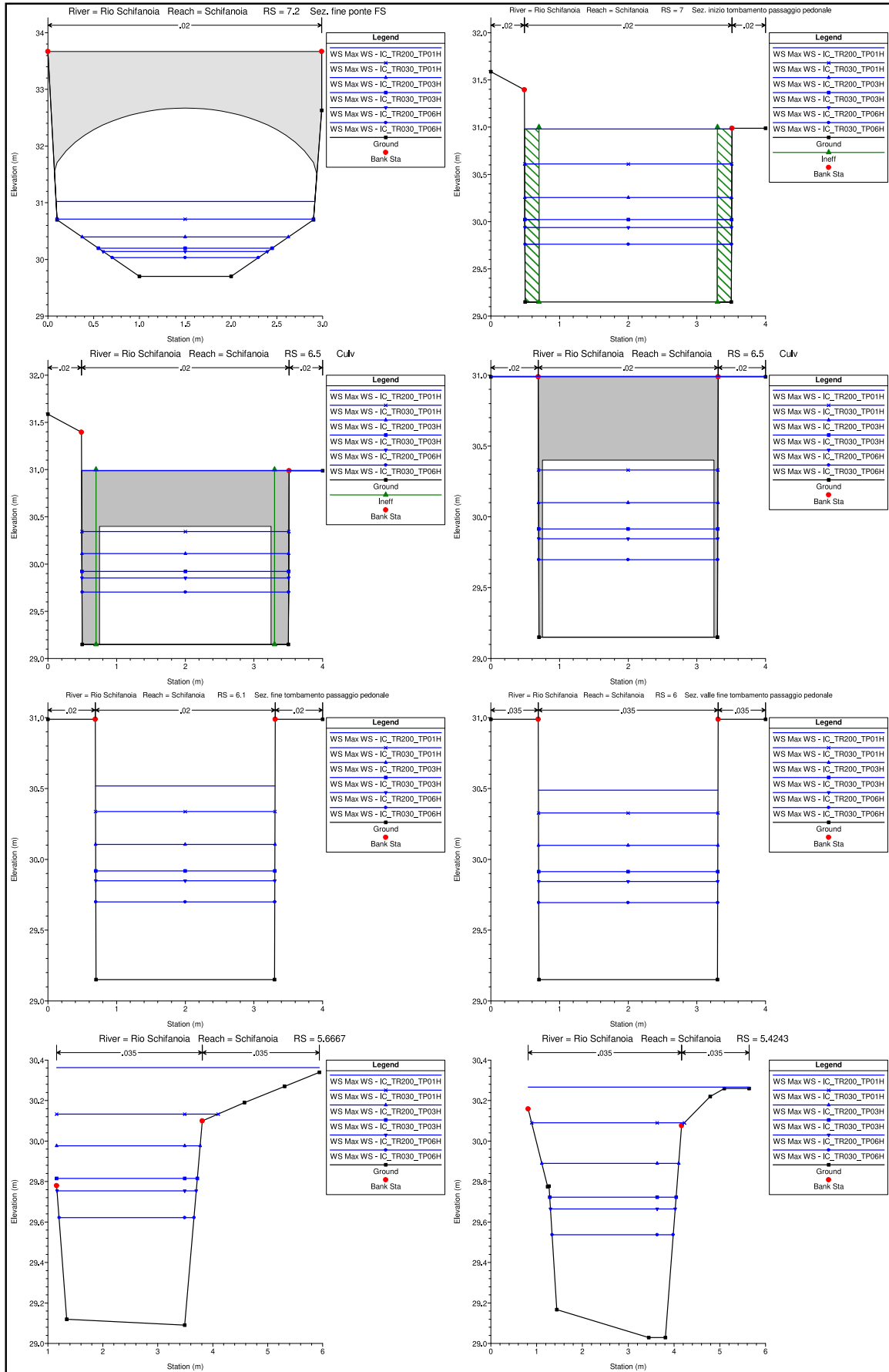




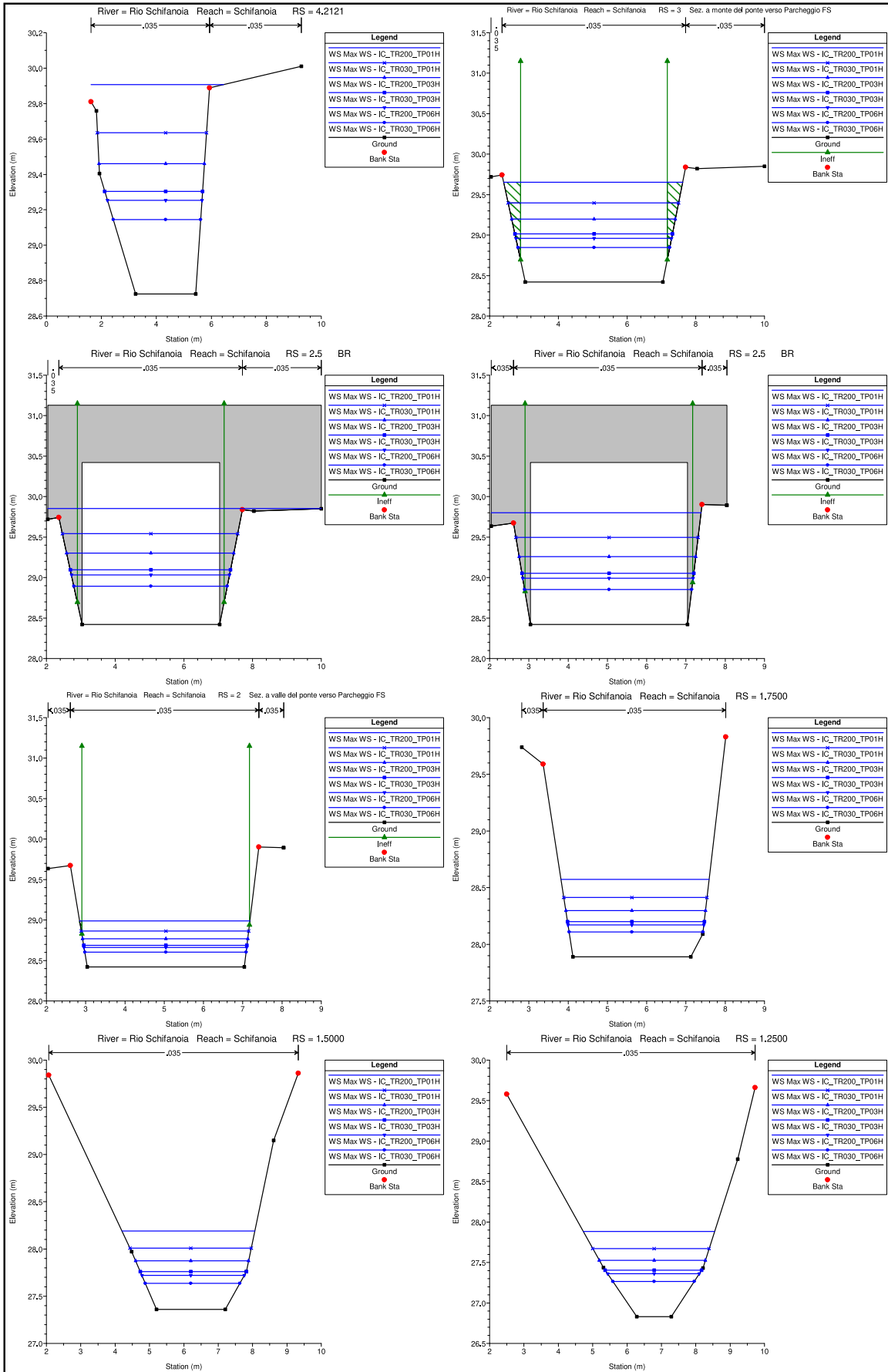
Main Channel Distance (m)	Elevation (m)
0	25
0.5	25
1.250	25
1.7500	25
2.5	25
3.4848*	25
3.9697*	25
4.4545*	25
4.9394*	25
5.4243	25
6	25
7.1000*	25
7.2214*	25
7.2429*	25
7.2643*	25
7.2857*	25
7.3071*	25
7.3286*	25
7.3500*	25
7.3714*	25
7.3929*	25
7.4143*	25
7.4357*	25
7.4571*	25
7.4786*	25
7.5000*	25
7.5214*	25
7.5429*	25
7.5643*	25
7.5857*	25
7.6071*	25
7.6286*	25
7.6500*	25
7.6714*	25
7.6929*	25
7.7143*	25
7.7357*	25
7.7571*	25
7.7786*	25
7.8	25
8.4	25
8.8000*	25
9.1	25
9.15	25
10.075*	25
10.350*	25
100	30
200	35
300	40
400	45
500	50
600	55
700	55

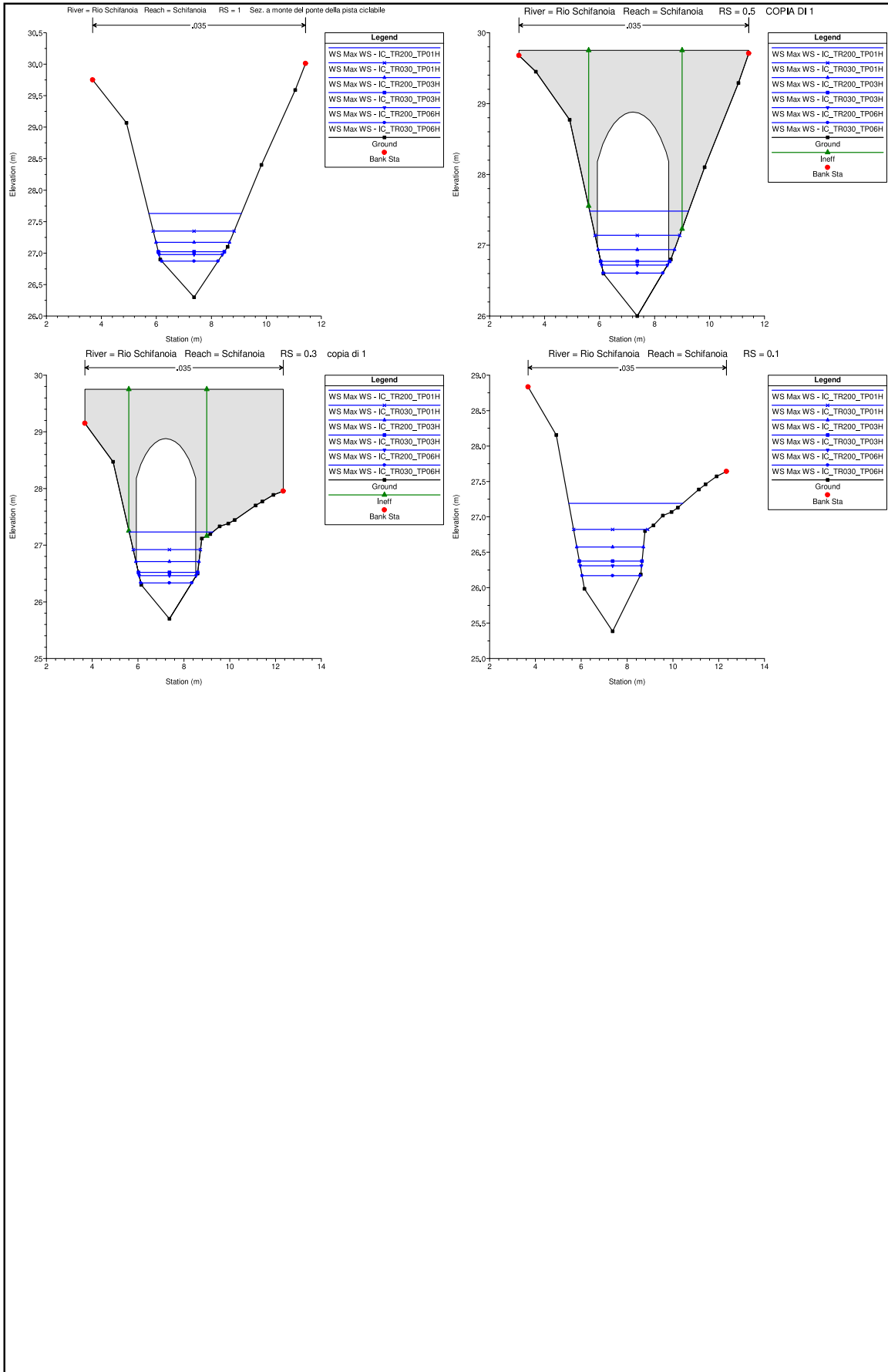












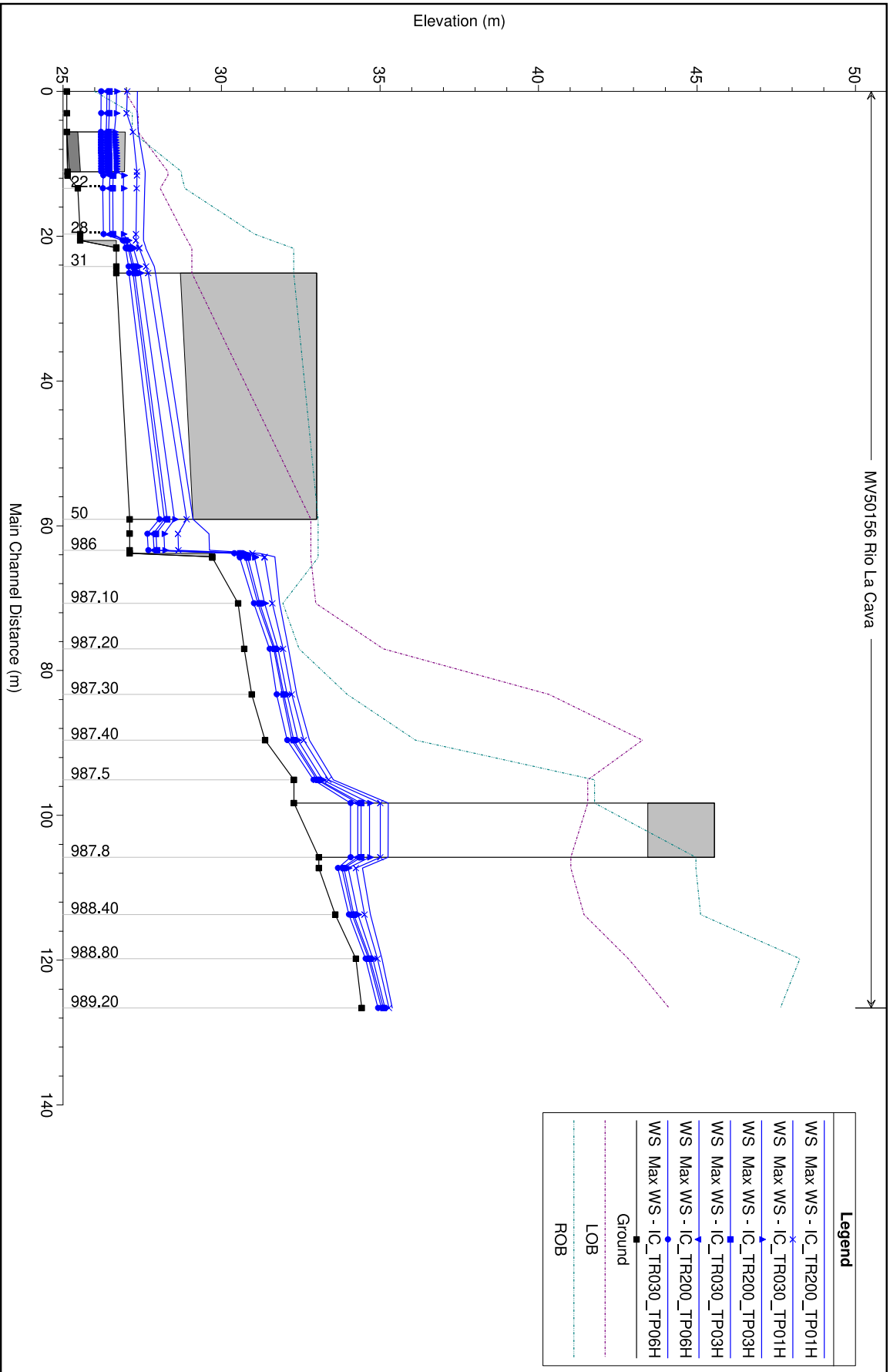
HEC-RAS Profile: Max WS

River	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	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR200_TP01H	9,15	49,00	49,71	49,95	50,42	0,107356	3,73	2,46	6,52	1,94	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR200_TP03H	4,07	49,00	49,50	49,66	50,01	0,118313	3,14	1,29	4,78	1,93	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR200_TP06H	2,35	49,00	49,41	49,52	49,78	0,121159	2,73	0,86	4,02	1,88	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR030_TP01H	6,43	49,00	49,60	49,82	50,25	0,117764	3,57	1,90	5,47	1,99	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR030_TP03H	2,78	49,00	49,43	49,56	49,85	0,120702	2,85	0,97	4,24	1,90	
Rio Schifanoia	Schifanoia	10,4	Max WS	IC_TR030_TP06H	1,55	49,00	49,24	49,44	49,65	0,128042	2,47	0,63	3,51	1,86	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR200_TP01H	9,15	47,17	48,53	48,46	48,72	0,019827	1,92	4,75	8,58	0,83	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR200_TP03H	4,07	47,17	48,20	48,23	48,39	0,045941	1,93	2,10	7,50	1,16	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR200_TP06H	2,35	47,17	48,06	48,00	48,21	0,022824	1,70	1,39	3,33	0,84	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR030_TP01H	6,43	47,17	48,38	48,34	48,55	0,024158	1,85	3,47	8,06	0,90	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR030_TP03H	2,78	47,17	48,10	48,05	48,27	0,025800	1,82	1,52	3,62	0,90	
Rio Schifanoia	Schifanoia	10,2	Max WS	IC_TR030_TP06H	1,55	47,17	47,87	47,87	48,07	0,017765	1,41	1,10	2,88	0,73	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR200_TP01H	9,15	45,85	46,18	47,14	48,33	0,012141	1,73	5,28	4,74	0,52	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR200_TP03H	4,07	45,85	47,20	46,60	47,32	0,009579	1,50	2,70	2,00	0,41	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR200_TP06H	2,35	45,85	46,37	46,37	46,90	0,007455	1,20	1,96	2,00	0,39	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR030_TP01H	6,43	45,85	47,63	46,86	47,80	0,011929	1,80	3,57	2,00	0,43	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR030_TP03H	2,78	45,85	46,93	46,43	47,01	0,008037	1,29	2,16	2,00	0,40	
Rio Schifanoia	Schifanoia	9,7	Max WS	IC_TR030_TP06H	1,55	45,85	46,62	46,24	46,67	0,006189	1,00	1,54	2,00	0,37	
Rio Schifanoia	Schifanoia	9,15		Bridge											
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR200_TP01H	9,15	45,85	46,83	47,14	47,94	0,112999	4,67	1,96	2,00	1,51	
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR200_TP03H	4,07	45,85	46,39	46,60	47,12	0,118334	3,79	1,07	2,00	1,65	
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR200_TP06H	2,35	45,85	46,19	46,37	46,80	0,151259	3,46	0,66	2,00	1,90	
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR030_TP01H	6,43	45,85	46,61	46,86	47,52	0,110422	4,22	1,52	2,00	1,54	
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR030_TP03H	2,78	45,85	46,24	46,43	46,88	0,138862	3,55	0,78	2,00	1,81	
Rio Schifanoia	Schifanoia	9,1	Max WS	IC_TR030_TP06H	1,55	45,85	46,09	46,24	46,62	0,189333	3,23	0,48	2,00	2,11	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR200_TP01H	9,15	44,85	46,27	45,88	46,44	0,009025	1,84	4,98	4,84	0,58	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR200_TP03H	4,10	44,85	45,97	45,50	46,03	0,004182	1,13	3,64	4,22	0,38	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR200_TP06H	2,35	44,85	45,78	45,32	45,81	0,007726	0,82	2,85	3,94	0,31	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR030_TP01H	6,43	44,85	46,13	45,89	46,24	0,006343	1,48	4,25	4,52	0,48	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR030_TP03H	2,78	44,85	45,83	45,37	45,87	0,003075	0,90	3,08	4,02	0,33	
Rio Schifanoia	Schifanoia	9,08	Max WS	IC_TR030_TP06H	1,59	44,85	45,66	45,22	45,68	0,002051	0,66	2,29	3,77	0,27	
Rio Schifanoia	Schifanoia	9,009		Lat Struct											
Rio Schifanoia	Schifanoia	9,008 1		Lat Struct											
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR200_TP01H	9,15	44,55	46,27	45,61	46,36	0,004431	1,41	7,34	10,68	0,40	
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR200_TP03H	4,08	44,55	45,96	45,21	46,00	0,002189	0,89	4,74	6,81	0,27	
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR200_TP06H	2,35	44,55	45,78	45,03	45,79	0,001274	0,62	3,77	3,99	0,20	
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR030_TP01H	6,43	44,55	46,13	45,41	46,20	0,003261	1,17	6,01	8,73	0,34	
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR030_TP03H	2,78	44,55	45,83	45,08	45,86	0,001531	0,69	4,00	4,25	0,23	
Rio Schifanoia	Schifanoia	9	Max WS	IC_TR030_TP06H	1,55	44,55	45,65	44,92	45,67	0,000783	0,47	3,31	3,73	0,16	
Rio Schifanoia	Schifanoia	8,95		Int Struct											
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR200_TP01H	9,15	44,55	45,50	45,61	46,06	0,045618	3,32	2,75	3,60	1,21	
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR200_TP03H	4,08	44,55	45,07	45,21	45,56	0,076976	3,12	1,31	3,05	1,52	
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR200_TP06H	2,35	44,55	44,91	45,03	45,29	0,083832	2,72	0,86	2,74	1,55	
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR030_TP01H	6,43	44,55	45,24	45,41	45,85	0,069439	3,47	1,86	3,29	1,47	
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR030_TP03H	2,78	44,55	44,96	45,08	45,37	0,081903	2,84	0,98	2,82	1,54	
Rio Schifanoia	Schifanoia	8,9	Max WS	IC_TR030_TP06H	1,55	44,55	44,83	44,92	45,13	0,086917	2,41	0,64	2,57	1,54	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR200_TP01H	9,14	43,82	45,30	45,01	45,49	0,011500	1,92	4,77	5,59	0,66	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR200_TP03H	4,07	43,82	44,54	44,58	44,87	0,038520	2,55	1,60	2,98	1,11	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR200_TP06H	2,35	43,82	44,35	44,37	44,59	0,036894	2,16	1,09	2,56	1,06	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR030_TP01H	6,43	43,82	44,73	44,81	45,16	0,039963	2,89	2,23	3,54	1,16	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR030_TP03H	2,78	43,82	44,41	44,43	44,67	0,037251	2,28	1,22	2,66	1,07	
Rio Schifanoia	Schifanoia	8,6	Max WS	IC_TR030_TP06H	1,55	43,82	44,24	44,25	44,43	0,035933	1,90	0,81	2,34	1,03	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR200_TP01H	9,13	43,51	45,28	44,73	45,40	0,006020	1,53	5,80	6,92	0,49	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR200_TP03H	4,07	43,51	44,14	44,30	44,67	0,072166	3,22	1,26	2,69	1,50	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR200_TP06H	2,35	43,51	43,96	44,09	44,38	0,079856	2,87	0,82	2,30	1,54	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR030_TP01H	6,43	43,51	44,34	44,52	44,96	0,063350	3,47	1,85	3,14	1,44	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR030_TP03H	2,78	43,51	44,01	44,15	44,46	0,077748	2,98	0,93	2,40	1,53	
Rio Schifanoia	Schifanoia	8,4	Max WS	IC_TR030_TP06H	1,55	43,51	43,86	43,96	44,20	0,084467	2,59	0,60	2,07	1,54	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR200_TP01H	8,90	43,08	45,25	44,31	45,38	0,006527	1,62	5,95	6,13	0,39	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR200_TP03H	4,07	43,08	43,79	43,82	44,18	0,046661	2,74	1,48	2,16	1,06	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR200_TP06H	2,35	43,08	43,61	43,59	43,85	0,037595	2,16	1,09	2,12	0,96	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR030_TP01H	6,43	43,08	44,02	44,08	44,56	0,053163	3,26	1,97	2,21	1,10	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR030_TP03H	2,78	43,08	43,66	43,65	43,94	0,040516	2,33	1,19	2,13	1,00	
Rio Schifanoia	Schifanoia	8,1	Max WS	IC_TR030_TP06H	1,32	43,08	43,55	43,43	43,65	0,017047	1,38	0,96	2,10	0,65	
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR200_TP01H	8,75	43,08	44,35	44,08	45,32	0,032645	4,36	2,01		1,23
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR200_TP03H	4,07	43,08	43,67	43,83	44,27	0,017917	3,46	1,18	2,01	1,44
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR200_TP06H	2,35	43,08	43,53	43,60	43,88	0,012825	2,60	0,90	2,01	1,24
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR030_TP01H	6,43	43,08	43,84	44,08	44,75	0,021813	4,23	1,52	2,00	1,55
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR030_TP03H	2,78	43,08	43,56	43,66	43,98	0,014396	2,85	0,97	2,01	1,31
Rio Schifanoia	Schifanoia	8	Inizio tomb.	Max WS	IC_TR030_TP06H	1,55	43,08	43,46	43,47	43,67	0,009097	2,02	0,76	2,01	1,05
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR200_TP01H	8,75	43,08	44,38	44,08	45,34	0,032645	4,36	2,01		1,22	
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR200_TP03H	4,07	43,08	43,49	43,83	44,73	0,050077	4,93	0,82	2,01	2,46	
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR200_TP06H	2,35	43,08	43,35	43,60	44,31	0,058826	4,33	0,54	2,01	2,67	
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR030_TP01H	6,43	43,08	43,67	44,08	45,16	0,043237	5,40	1,19	2,01	2,24	
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR030_TP03H	2,78	43,08	43,39	43,66	44,42	0,055888	4,51	0,62	2,01	2,60	
Rio Schifanoia	Schifanoia	7,9	Max WS	IC_TR030_TP06H	1,55	43,08	43,28	43,47	44,06	0,067959	3,92	0,39	2,02	2,83	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR200_TP01H	8,97	42,83	43,94	43,94	45,49	0,045337	5,51	1,63	0,52	1,67	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR200_TP03H	4,07	42,83	43,37	43,65	44,45	0,037048	4,81	0,88	1,70	2,00	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR200_TP06H	2,35	42,83	43,21	43,43	43,98	0,036621	3,89	0,60	1,76	2,01	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR030_TP01H	6,43	42,83	43,59	43,86	44,98	0,038251	5,23	1,23	1,49	1,92	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR030_TP03H	2,78	42,83	43,25	43,49	44,11	0,036696	4,10	0,68	1,74	2,02	
Rio Schifanoia	Schifanoia	7,8	Max WS	IC_TR030_TP06H	1,55	42,83	43,13	43,29	43,71	0,036599	3,29	0,46	1,78	1,99	
Rio Schifanoia	Schifanoia	7,2	Max WS	IC_TR200_TP01H	8,69	29,70	31,02	31,02	31,51	0,006878	3,10	2,80	2,8		

HEC-RAS Profile: Max WS (Continued)

River	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
Rio Schifanoia	Schifanoia	7	Max WS	IC_TR200_TP03H	4.07	29.15	30.26		30.36	0.000701	1.42	2.87	3.01	0.43
Rio Schifanoia	Schifanoia	7	Max WS	IC_TR200_TP06H	2.35	29.15	29.94		30.00	0.000726	1.15	2.85	3.01	0.41
Rio Schifanoia	Schifanoia	7	Max WS	IC_TR030_TP01H	6.43	29.15	30.61		30.76	0.000691	1.69	3.90	3.01	0.45
Rio Schifanoia	Schifanoia	7	Max WS	IC_TR030_TP03H	2.78	29.15	30.02		30.10	0.000718	1.22	2.27	3.01	0.42
Rio Schifanoia	Schifanoia	7	Max WS	IC_TR030_TP06H	1.56	29.15	29.76		29.81	0.000743	0.98	1.59	3.01	0.40
Rio Schifanoia	Schifanoia	6.5		Culvert										
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR200_TP01H	9.01	29.15	30.52	30.22	30.84	0.004371	2.53	3.57	2.61	0.69
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR200_TP03H	4.07	29.15	30.10	29.78	30.24	0.002364	1.63	2.49	2.61	0.53
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR200_TP06H	2.35	29.15	29.85	29.58	29.93	0.001914	1.29	1.82	2.61	0.49
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR030_TP01H	6.43	29.15	30.34	30.00	30.56	0.003253	2.08	3.09	2.61	0.61
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR030_TP03H	2.78	29.15	29.92	29.64	30.02	0.002032	1.39	2.00	2.61	0.51
Rio Schifanoia	Schifanoia	6.1	Max WS	IC_TR030_TP06H	1.57	29.15	29.70	29.48	29.76	0.001702	1.10	1.43	2.61	0.47
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR200_TP01H	8.88	29.15	30.49	30.20	30.82	0.013754	2.54	3.49	2.61	0.70
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR200_TP03H	4.07	29.15	30.10	29.78	30.24	0.007356	1.64	2.47	2.61	0.54
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR200_TP06H	2.35	29.15	29.84	29.59	29.93	0.005965	1.30	1.81	2.61	0.50
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR030_TP01H	6.43	29.15	30.33	30.00	30.55	0.010173	2.09	3.07	2.61	0.62
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR030_TP03H	2.78	29.15	29.91	29.64	30.01	0.006330	1.40	1.99	2.61	0.51
Rio Schifanoia	Schifanoia	6	Max WS	IC_TR030_TP06H	1.56	29.15	29.69	29.48	29.76	0.005293	1.10	1.42	2.61	0.48
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR200_TP01H	8.53	29.09	30.36	30.27	30.71	0.013966	2.65	3.41	4.78	0.78
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR200_TP03H	4.07	29.09	29.98	29.80	30.17	0.010838	1.94	2.09	2.61	0.69
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR200_TP06H	2.35	29.09	29.75	29.59	29.88	0.008948	1.55	1.52	2.53	0.64
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR030_TP01H	6.33	29.09	30.13	30.02	30.46	0.015784	2.53	2.51	2.94	0.83
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR030_TP03H	2.78	29.09	29.81	29.64	29.96	0.009438	1.66	1.66	2.56	0.65
Rio Schifanoia	Schifanoia	5.6667	Max WS	IC_TR030_TP06H	1.56	29.09	29.62	29.47	29.71	0.007939	1.31	1.19	2.46	0.60
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR200_TP01H	8.13	29.03	30.27	30.11	30.57	0.011923	2.43	3.41	4.82	0.78
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR200_TP03H	4.05	29.03	29.89	29.73	30.08	0.011005	1.92	2.11	2.99	0.73
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR200_TP06H	2.35	29.03	29.66	29.54	29.79	0.010208	1.60	1.47	2.72	0.70
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR030_TP01H	6.10	29.03	30.09	29.94	30.34	0.015196	2.23	2.74	3.33	0.78
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR030_TP03H	2.78	29.03	29.72	29.59	29.87	0.010519	1.70	1.63	2.76	0.71
Rio Schifanoia	Schifanoia	5.4243	Max WS	IC_TR030_TP06H	1.55	29.03	29.54	29.43	29.63	0.009710	1.38	1.13	2.65	0.67
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR200_TP01H	8.38	28.72	29.91	29.66	30.13	0.009046	2.07	4.06	4.83	0.68
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR200_TP03H	4.17	28.72	29.46	29.36	29.64	0.010760	1.86	2.24	3.84	0.78
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR200_TP06H	2.36	28.72	29.25	29.17	29.38	0.011251	1.59	1.49	3.44	0.77
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR030_TP01H	6.15	28.72	29.63	29.51	29.86	0.010780	2.10	2.93	3.97	0.78
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR030_TP03H	2.78	28.72	29.30	29.22	29.45	0.011352	1.67	1.66	3.56	0.78
Rio Schifanoia	Schifanoia	4.2121	Max WS	IC_TR030_TP06H	1.56	28.72	29.14	29.07	29.24	0.010876	1.38	1.13	3.18	0.74
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR200_TP01H	9.11	28.42	29.65	29.20	29.81	0.003145	1.74	5.23	5.21	0.50
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR200_TP03H	4.22	28.42	29.20	28.89	29.28	0.003206	1.29	3.28	4.76	0.47
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR200_TP06H	2.36	28.42	28.96	28.74	29.02	0.003410	1.04	2.27	4.53	0.46
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR030_TP01H	6.20	28.42	29.40	29.03	29.51	0.003191	1.50	4.13	4.96	0.49
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR030_TP03H	2.79	28.42	29.01	28.78	29.08	0.003427	1.11	2.50	4.58	0.46
Rio Schifanoia	Schifanoia	3	Max WS	IC_TR030_TP06H	1.56	28.42	28.85	28.67	28.88	0.003331	0.87	1.78	4.42	0.43
Rio Schifanoia	Schifanoia	2.5		Bridge										
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR200_TP01H	9.11	28.42	28.99	29.21	29.74	0.048444	3.84	2.37	4.34	1.65
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR200_TP03H	4.22	28.42	28.77	28.90	29.22	0.053307	2.97	1.42	4.21	1.63
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR200_TP06H	2.36	28.42	28.66	28.75	28.96	0.054919	2.42	0.98	4.14	1.59
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR030_TP01H	6.20	28.42	28.86	29.03	29.45	0.051602	3.38	1.84	4.26	1.64
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR030_TP03H	2.79	28.42	28.69	28.78	29.02	0.053828	2.55	1.09	4.16	1.59
Rio Schifanoia	Schifanoia	2	Max WS	IC_TR030_TP06H	1.56	28.42	28.60	28.67	28.83	0.056468	2.09	0.75	4.11	1.56
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR200_TP01H	9.11	27.89	28.57	28.79	29.33	0.044129	3.84	2.37	3.77	1.55
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR200_TP03H	4.22	27.89	28.30	28.44	28.79	0.050655	3.11	1.36	3.56	1.61
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR200_TP06H	2.36	27.89	28.17	28.27	28.51	0.053778	2.58	0.91	3.46	1.60
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR030_TP01H	6.20	27.89	28.41	28.59	29.03	0.047826	3.48	1.78	3.65	1.59
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR030_TP03H	2.79	27.89	28.20	28.31	28.58	0.053344	2.73	1.02	3.49	1.61
Rio Schifanoia	Schifanoia	1.7500	Max WS	IC_TR030_TP06H	1.56	27.89	28.11	28.18	28.36	0.054075	2.22	0.70	3.41	1.57
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR200_TP01H	9.11	27.36	28.19	28.38	28.86	0.035428	3.63	2.51	3.86	1.44
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR200_TP03H	4.22	27.36	27.88	28.01	28.35	0.041785	3.05	1.38	3.29	1.50
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR200_TP06H	2.36	27.36	27.72	27.82	28.07	0.045964	2.62	0.90	2.99	1.52
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR030_TP01H	6.20	27.36	28.01	28.18	28.59	0.039498	3.37	1.84	3.53	1.49
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR030_TP03H	2.79	27.36	27.76	27.87	28.14	0.044712	2.73	1.02	3.09	1.52
Rio Schifanoia	Schifanoia	1.5000	Max WS	IC_TR030_TP06H	1.56	27.36	27.64	27.72	27.92	0.050075	2.36	0.66	2.75	1.54
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR200_TP01H	9.02	26.83	27.88	28.02	28.46	0.028003	3.36	2.68	3.82	1.28
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR200_TP03H	4.22	26.83	27.53	27.64	27.96	0.033478	2.90	1.46	3.09	1.35
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR200_TP06H	2.36	26.83	27.36	27.43	27.66	0.031954	2.42	0.97	2.67	1.28
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR030_TP01H	6.20	26.83	27.67	27.82	28.20	0.032915	3.22	1.93	3.69	1.36
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR030_TP03H	2.79	26.83	27.40	27.48	27.74	0.032546	2.55	1.09	2.80	1.30
Rio Schifanoia	Schifanoia	1.2500	Max WS	IC_TR030_TP06H	1.56	26.83	27.27	27.31	27.49	0.029971	2.12	0.74	2.37	1.21
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR200_TP01H	8.85	26.30	27.63	27.73	28.18	0.025520	3.29	2.69	3.37	1.18
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR200_TP03H	4.22	26.30	27.17	27.32	27.71	0.043283	3.24	1.30	2.68	1.48
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR200_TP06H	2.36	26.30	26.98	27.11	27.41	0.051159	2.91	0.81	2.31	1.57
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR030_TP01H	6.13	26.30	27.35	27.51	27.94	0.036817	3.40	1.80	2.94	1.39
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR030_TP03H	2.79	26.30	27.02	27.16	27.49	0.049338	3.01	0.93	2.41	1.55
Rio Schifanoia	Schifanoia	1	Max WS	IC_TR030_TP06H	1.56	26.30	26.87	26.98	27.23	0.055063	2.66	0.59	2.05	1.59
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR200_TP01H	8.70	26.00	27.48	27.42	27.95	0.019925	3.03	2.87	2.60	0.80
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR200_TP03H	4.22	26.00	26.94	27.02	27.36	0.030192	2.88	1.47	2.57	0.95
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR200_TP06H	2.36	26.00	26.72	26.80	27.06	0.036463	2.58	0.92	2.40	1.33
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR030_TP01H	6.18	26.00	27.14	27.21	27.63	0.027413	3.11	1.99	2.60	0.93
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR030_TP03H	2.79	26.00	26.77	26.86	27.13	0.034955	2.87	1.04	2.48	0.97
Rio Schifanoia	Schifanoia	0.5	Max WS	IC_TR030_TP06H	1.56	26.00	26.61	26.68	26.89	0.039900	2.36	0.66	2.16	1.36
Rio Schifanoia	Schifanoia	0.3	Max WS	IC_TR200_TP01H	8.10	25.70	27.23	27.07	27.60	0.015153	2.69	3.02	2.60	0.69
Rio Schifanoia	Schifanoia	0.3	Max WS	IC_TR200_TP03H	4.22	25.70	26.71	26.72	27.04	0.021491	2.55	1.65	2.60	0.81





**Legend**

- WS Max WS - IC\_TR200\_TP01H
- WS Max WS - IC\_TR030\_TP01H
- WS Max WS - IC\_TR200\_TP03H
- WS Max WS - IC\_TR030\_TP03H
- WS Max WS - IC\_TR200\_TP06H
- WS Max WS - IC\_TR030\_TP06H

Ground

LOB

ROB

MV50156 Rio La Cava

Elevation (m)

Main Channel Distance (m)

0 20 40 60 80 100 120 140

25 30 35 40 45 50

22

28

31

50

986

987.10

987.20

987.30

987.40

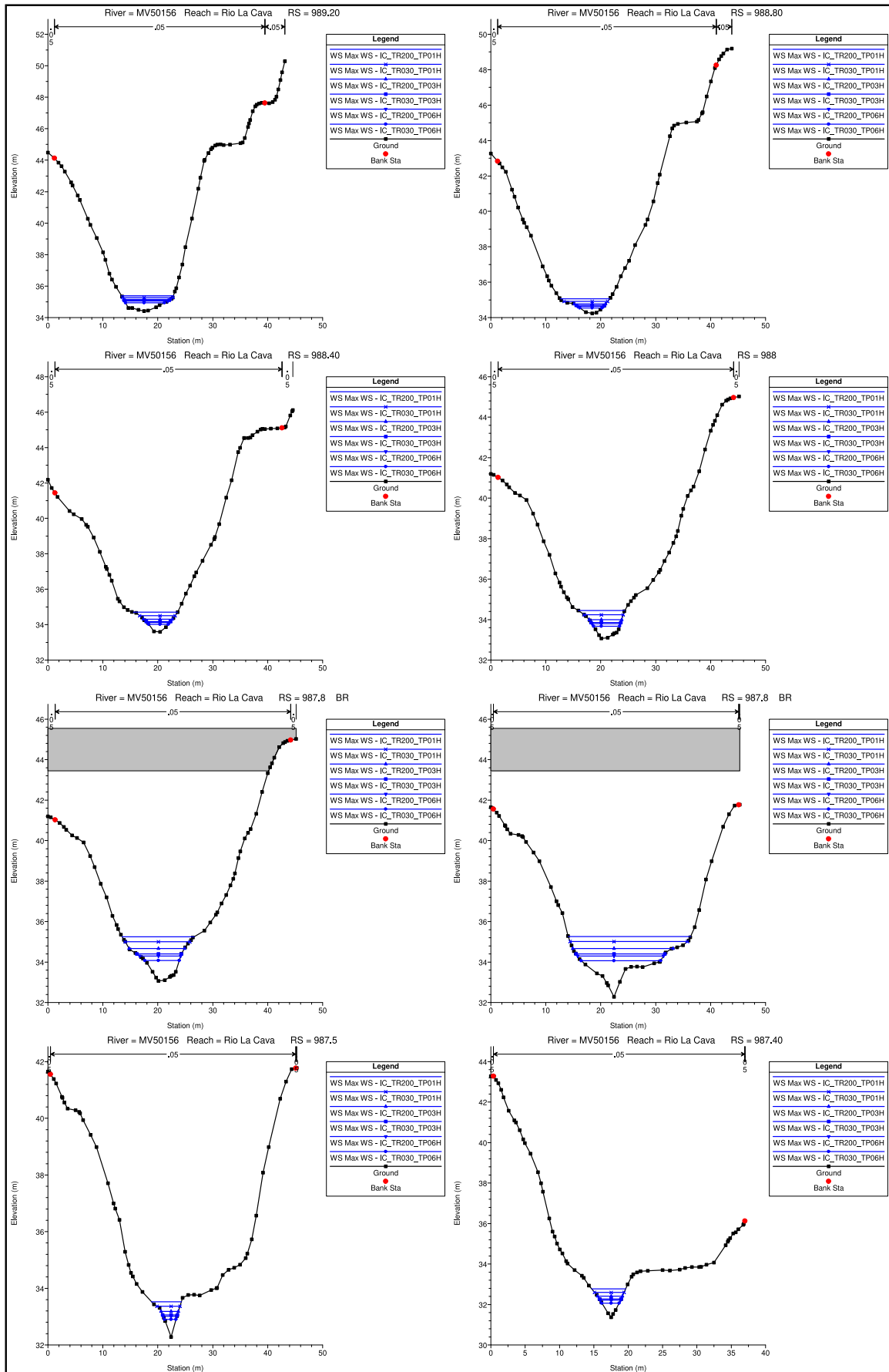
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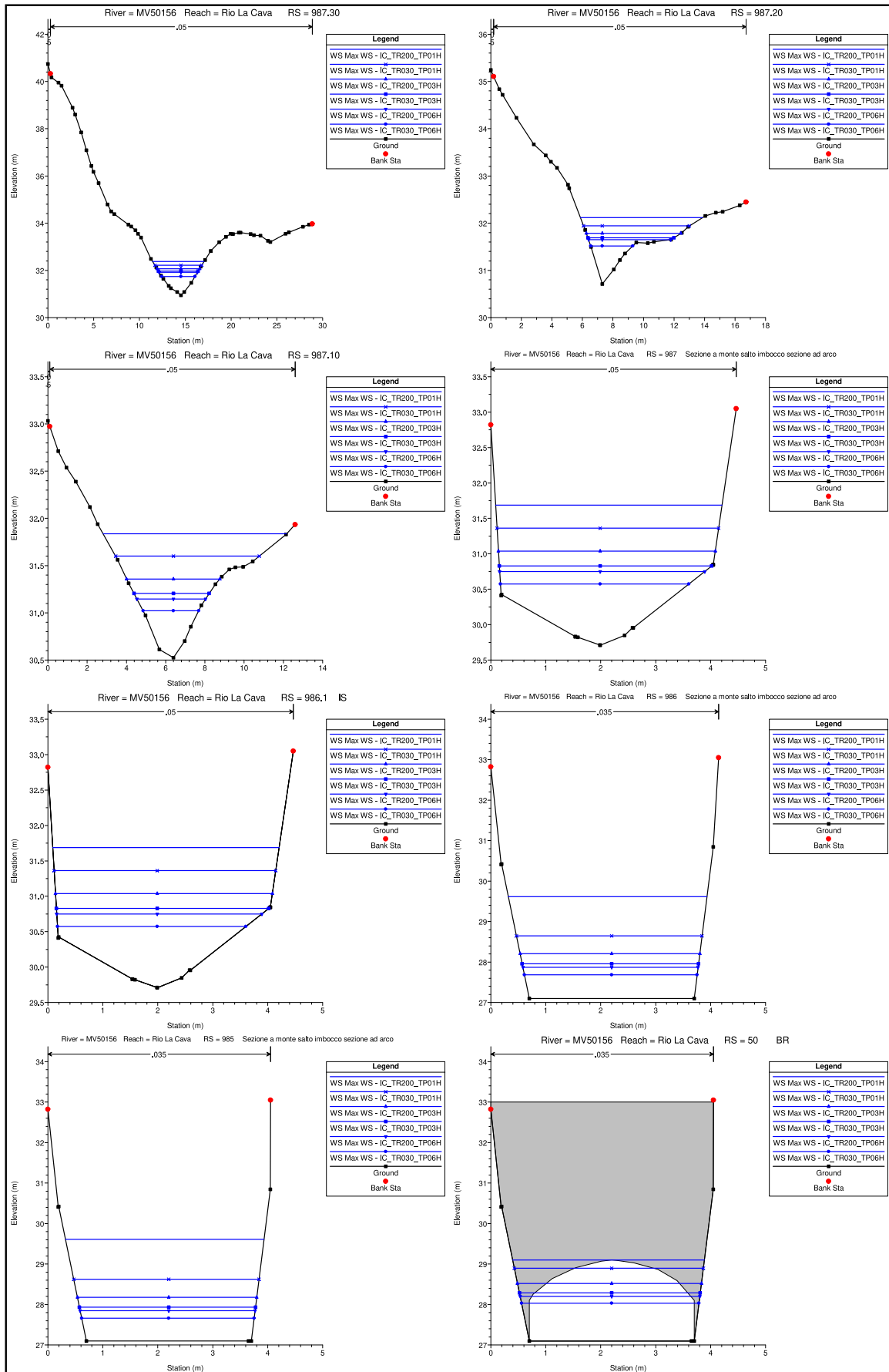
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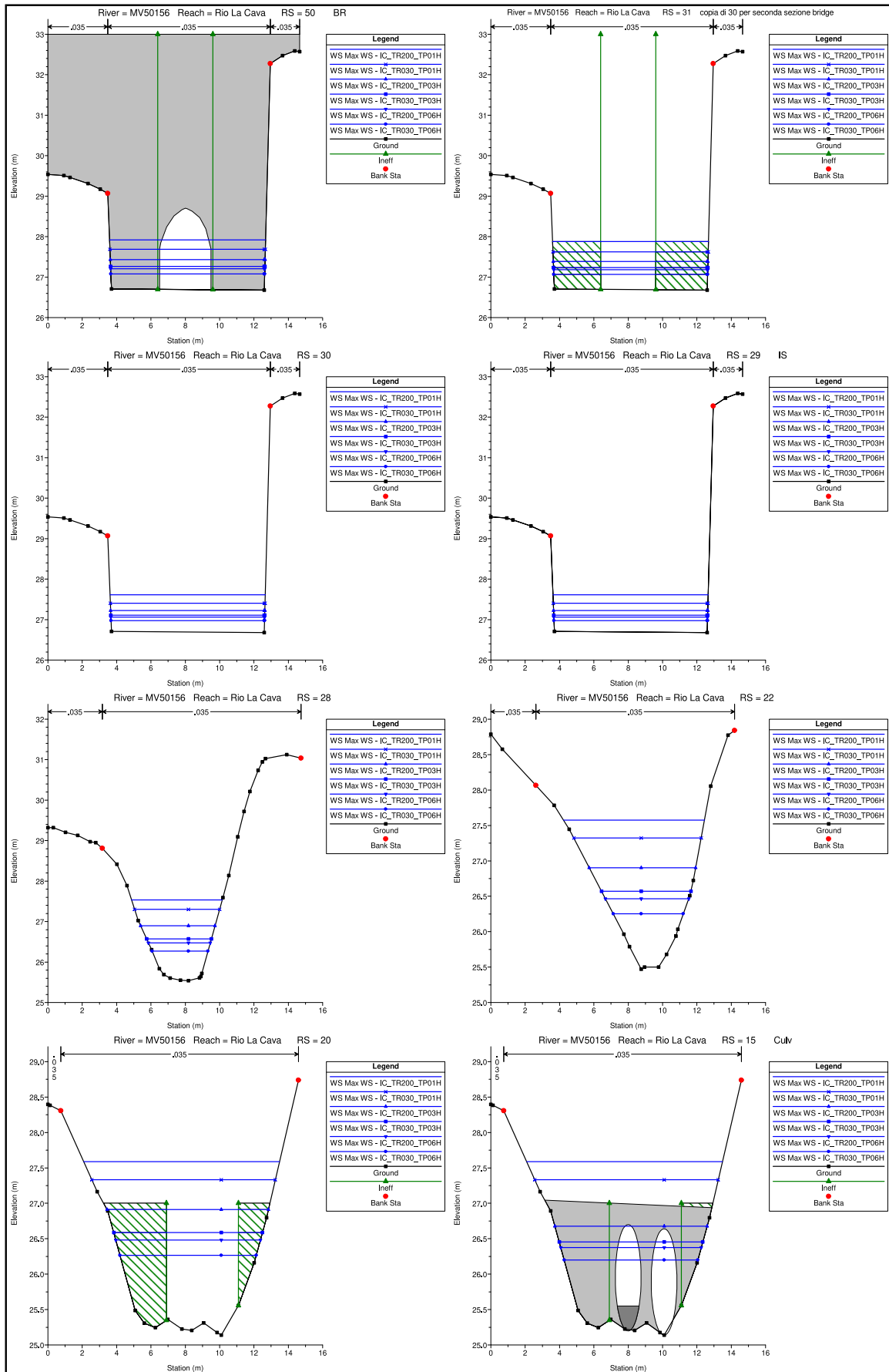
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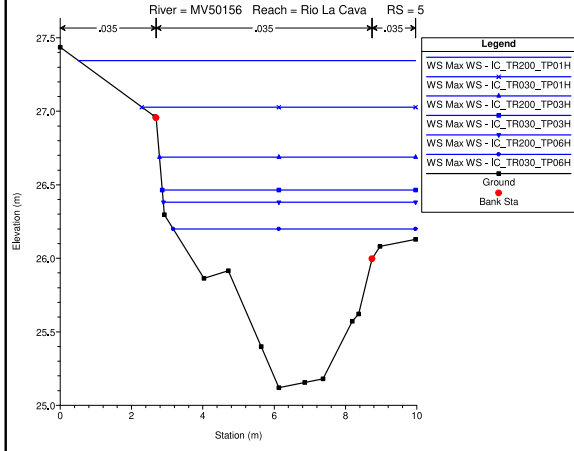
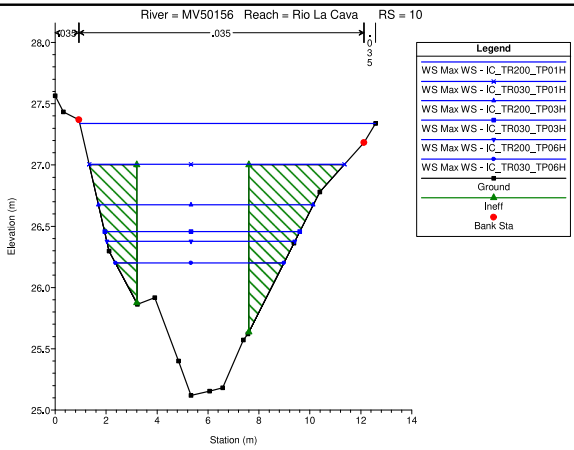
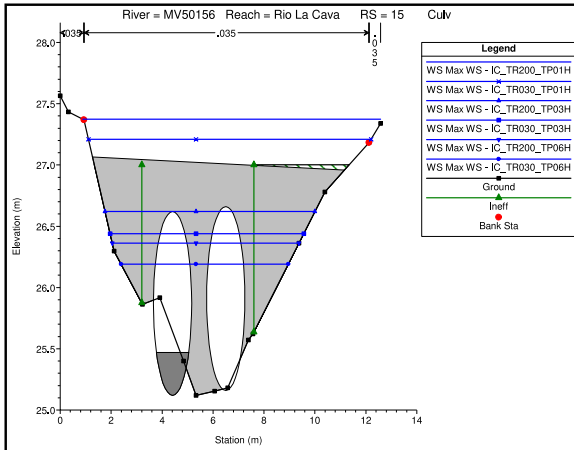
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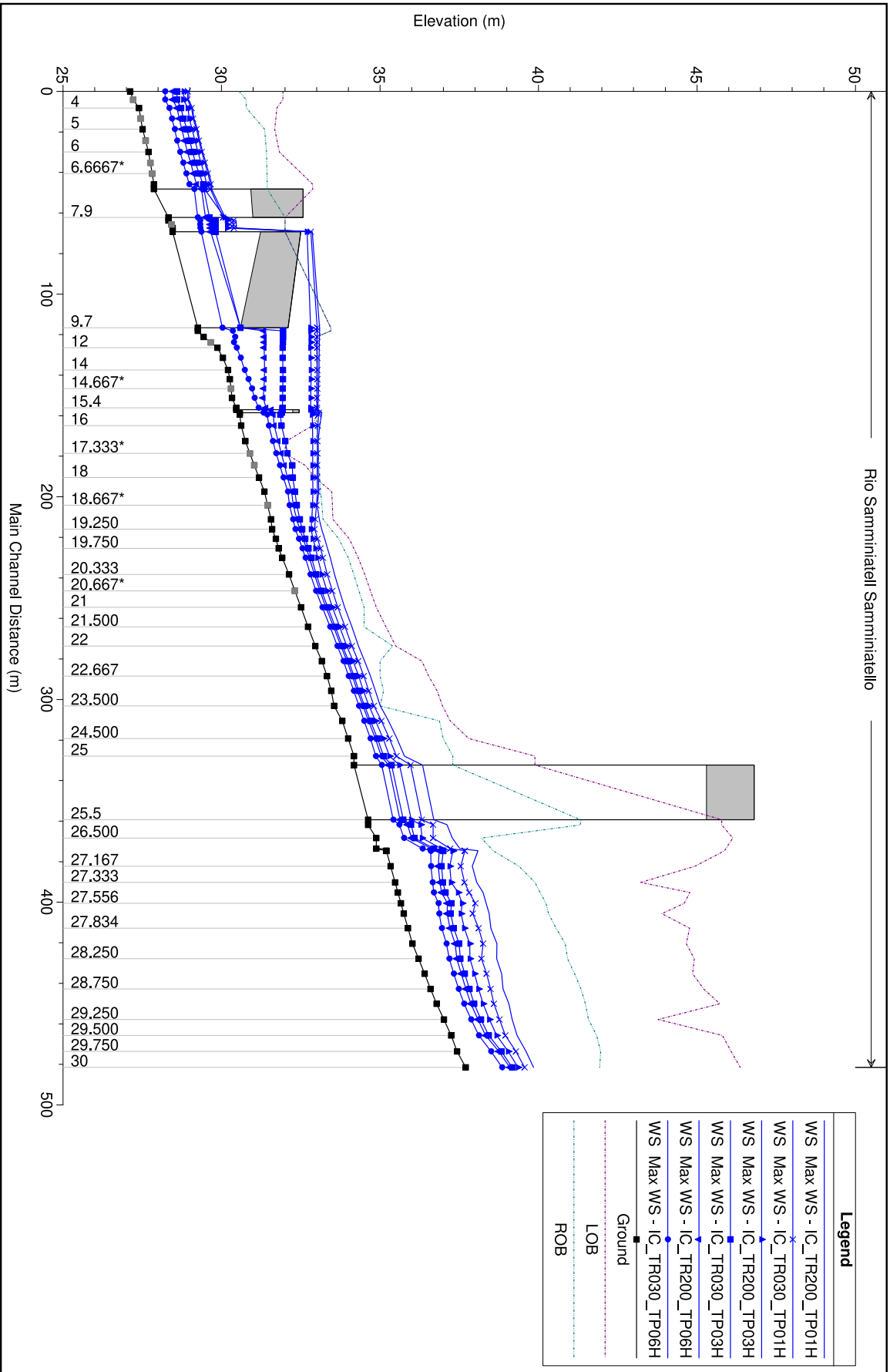


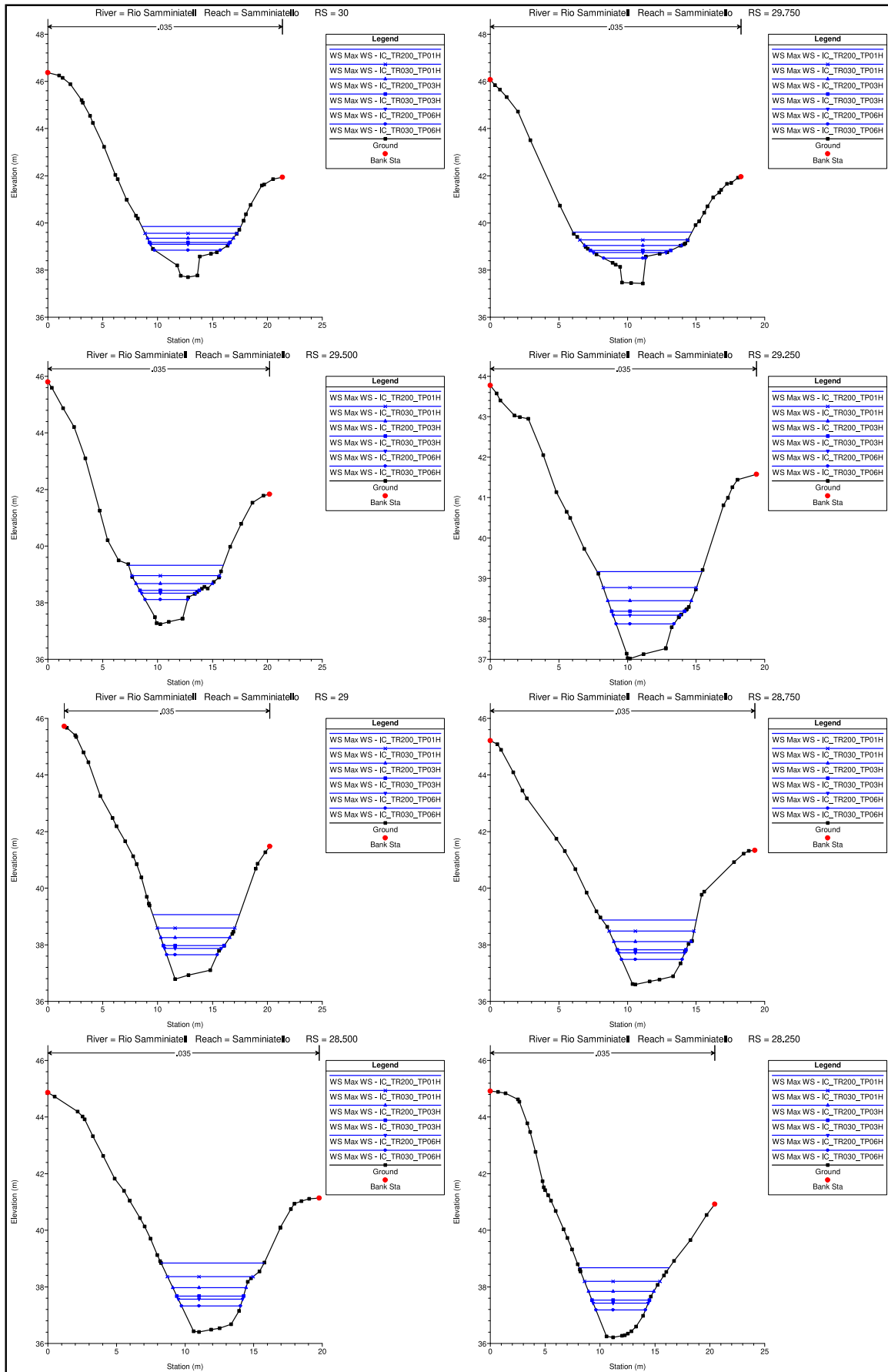
HEC-RAS River: MV50156 Reach: Rio La Cava Profile: Max WS

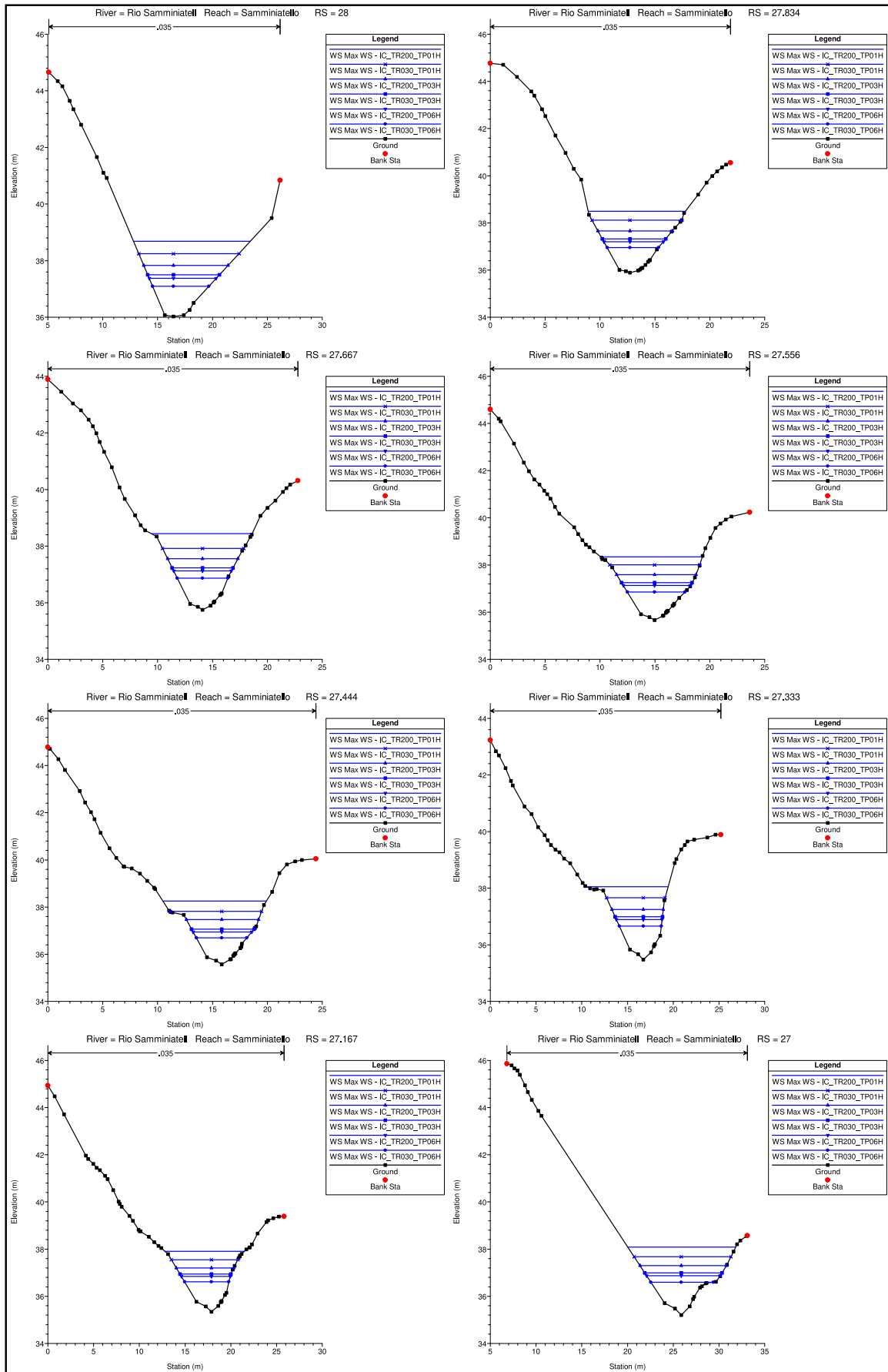
Reach	River Sta	Profile	Plan	Q.Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio La Cava	989.20	Max WS	IC_TR200_TP01H	13.26	34.42	35.38		35.62	0.021509	2.15	6.16	9.43	0.85
Rio La Cava	989.20	Max WS	IC_TR200_TP03H	5.94	34.42	35.16		35.26	0.014596	1.45	4.09	8.55	0.67
Rio La Cava	989.20	Max WS	IC_TR200_TP06H	3.43	34.42	35.05		35.11	0.009881	1.07	3.20	7.87	0.54
Rio La Cava	989.20	Max WS	IC_TR030_TP01H	9.31	34.42	35.28		35.45	0.017552	1.78	5.22	9.16	0.75
Rio La Cava	989.20	Max WS	IC_TR030_TP03H	4.06	34.42	35.10		35.17	0.009453	1.11	3.65	8.22	0.53
Rio La Cava	989.20	Max WS	IC_TR030_TP06H	2.27	34.42	34.94		34.98	0.010130	0.96	2.37	7.10	0.53
Rio La Cava	988.80	Max WS	IC_TR200_TP01H	13.26	34.24	35.06	35.21	35.58	0.073261	3.19	4.16	9.00	1.50
Rio La Cava	988.80	Max WS	IC_TR200_TP03H	5.94	34.24	34.77	34.93	35.25	0.104063	3.07	1.93	5.75	1.69
Rio La Cava	988.80	Max WS	IC_TR200_TP06H	3.43	34.24	34.64	34.76	35.04	0.123942	2.81	1.22	4.77	1.77
Rio La Cava	988.80	Max WS	IC_TR030_TP01H	9.31	34.24	34.92	35.07	35.42	0.093663	3.13	2.97	7.96	1.64
Rio La Cava	988.80	Max WS	IC_TR030_TP03H	4.06	34.24	34.68	34.82	35.08	0.105392	2.77	1.46	5.14	1.66
Rio La Cava	988.80	Max WS	IC_TR030_TP06H	2.27	34.24	34.54	34.67	34.93	0.165527	2.77	0.82	4.07	1.97
Rio La Cava	988.40	Max WS	IC_TR200_TP01H	13.26	33.59	34.70	34.77	35.09	0.040050	2.75	4.82	8.07	1.14
Rio La Cava	988.40	Max WS	IC_TR200_TP03H	5.94	33.59	34.31	34.39	34.66	0.055194	2.61	2.28	5.27	1.27
Rio La Cava	988.40	Max WS	IC_TR200_TP06H	3.43	33.59	34.12	34.21	34.43	0.067901	2.47	1.39	4.08	1.35
Rio La Cava	988.40	Max WS	IC_TR030_TP01H	9.31	33.59	34.51	34.58	34.88	0.044581	2.69	3.46	6.48	1.18
Rio La Cava	988.40	Max WS	IC_TR030_TP03H	4.06	33.59	34.17	34.26	34.50	0.065127	2.53	1.61	4.42	1.34
Rio La Cava	988.40	Max WS	IC_TR030_TP06H	2.27	33.59	34.02	34.09	34.28	0.072922	2.27	1.00	3.54	1.36
Rio La Cava	988	Max WS	IC_TR200_TP01H	13.26	33.07	34.45	34.20	34.64	0.013786	1.94	6.83	8.46	0.69
Rio La Cava	988	Max WS	IC_TR200_TP03H	5.94	33.07	33.99	33.82	34.13	0.014275	1.64	3.62	5.93	0.67
Rio La Cava	988	Max WS	IC_TR200_TP06H	3.43	33.07	33.80	33.64	33.89	0.012988	1.36	2.53	5.19	0.62
Rio La Cava	988	Max WS	IC_TR030_TP01H	9.31	33.07	34.24	34.01	34.40	0.013315	1.79	5.21	7.11	0.67
Rio La Cava	988	Max WS	IC_TR030_TP03H	4.06	33.07	33.86	33.69	33.96	0.012961	1.43	2.85	5.41	0.63
Rio La Cava	988	Max WS	IC_TR030_TP06H	2.27	33.07	33.67	33.54	33.74	0.012862	1.19	1.90	4.73	0.60
Rio La Cava	987.8		Bridge										
Rio La Cava	987.5	Max WS	IC_TR200_TP01H	13.26	32.28	33.52	33.92	34.67	0.158557	4.75	2.79	5.44	2.12
Rio La Cava	987.5	Max WS	IC_TR200_TP03H	5.94	32.28	33.19	33.50	34.13	0.168401	4.30	1.38	3.16	2.07
Rio La Cava	987.5	Max WS	IC_TR200_TP06H	3.43	32.28	33.01	33.24	33.78	0.183534	3.88	0.89	2.51	2.08
Rio La Cava	987.5	Max WS	IC_TR030_TP01H	9.31	32.28	33.37	33.72	34.44	0.163895	4.58	2.03	4.21	2.10
Rio La Cava	987.5	Max WS	IC_TR030_TP03H	4.06	32.28	33.06	33.32	33.88	0.178774	4.00	1.02	2.70	2.08
Rio La Cava	987.5	Max WS	IC_TR030_TP06H	2.27	32.28	32.90	33.10	33.56	0.196100	3.60	0.63	2.08	2.09
Rio La Cava	987.40	Max WS	IC_TR200_TP01H	13.26	31.37	32.78	32.99	33.50	0.067303	3.76	3.53	4.97	1.42
Rio La Cava	987.40	Max WS	IC_TR200_TP03H	5.94	31.37	32.41	32.53	32.88	0.062316	3.02	1.97	3.63	1.31
Rio La Cava	987.40	Max WS	IC_TR200_TP06H	3.43	31.37	32.22	32.29	32.56	0.059213	2.59	1.33	2.98	1.24
Rio La Cava	987.40	Max WS	IC_TR030_TP01H	9.31	31.37	32.60	32.77	33.20	0.066468	3.44	1.71	4.30	1.38
Rio La Cava	987.40	Max WS	IC_TR030_TP03H	4.06	31.37	32.27	32.36	32.65	0.059429	2.70	1.50	3.16	1.25
Rio La Cava	987.40	Max WS	IC_TR030_TP06H	2.27	31.37	32.07	32.14	32.38	0.069408	2.46	0.92	2.51	1.30
Rio La Cava	987.30	Max WS	IC_TR200_TP01H	13.26	30.95	32.37	32.39	32.81	0.033184	2.91	4.55	5.64	1.04
Rio La Cava	987.30	Max WS	IC_TR200_TP03H	5.94	30.95	32.07	32.27	32.27	0.020377	1.98	3.00	4.65	0.79
Rio La Cava	987.30	Max WS	IC_TR200_TP06H	3.43	30.95	31.92	32.03	32.03	0.013743	1.48	2.33	4.19	0.63
Rio La Cava	987.30	Max WS	IC_TR030_TP01H	9.31	30.95	32.22	32.18	32.54	0.028454	2.52	3.70	5.11	0.94
Rio La Cava	987.30	Max WS	IC_TR030_TP03H	4.06	30.95	31.97	32.10	32.10	0.015226	1.60	2.53	4.34	0.67
Rio La Cava	987.30	Max WS	IC_TR030_TP06H	2.27	30.95	31.74	31.84	31.84	0.016430	1.40	1.61	3.63	0.67
Rio La Cava	987.20	Max WS	IC_TR200_TP01H	13.26	30.71	32.12	32.20	32.53	0.046703	2.84	4.68	8.00	1.18
Rio La Cava	987.20	Max WS	IC_TR200_TP03H	5.94	30.71	31.78	31.85	32.11	0.067564	2.54	2.34	6.19	1.32
Rio La Cava	987.20	Max WS	IC_TR200_TP06H	3.43	30.71	31.65	31.70	31.90	0.072811	2.21	1.56	5.38	1.31
Rio La Cava	987.20	Max WS	IC_TR030_TP01H	9.31	30.71	31.94	32.02	32.33	0.056485	2.76	3.38	6.93	1.26
Rio La Cava	987.20	Max WS	IC_TR030_TP03H	4.06	30.71	31.69	31.76	31.95	0.069494	2.29	1.78	5.63	1.30
Rio La Cava	987.20	Max WS	IC_TR030_TP06H	2.27	30.71	31.52	31.52	31.75	0.050129	2.12	1.07	2.76	1.09
Rio La Cava	987.10	Max WS	IC_TR200_TP01H	13.26	30.53	31.84	31.83	32.13	0.031207	2.41	5.51	9.35	1.00
Rio La Cava	987.10	Max WS	IC_TR200_TP03H	5.94	30.53	31.36	31.50	31.77	0.064840	2.83	2.10	4.75	1.36
Rio La Cava	987.10	Max WS	IC_TR200_TP06H	3.43	30.53	31.15	31.27	31.55	0.086411	2.80	1.23	3.50	1.51
Rio La Cava	987.10	Max WS	IC_TR030_TP01H	9.31	30.53	31.60	31.67	31.95	0.048722	2.63	3.54	7.33	1.21
Rio La Cava	987.10	Max WS	IC_TR030_TP03H	4.06	30.53	31.20	31.33	31.61	0.080220	2.82	1.44	3.83	1.47
Rio La Cava	987.10	Max WS	IC_TR030_TP06H	2.27	30.53	31.02	31.14	31.40	0.102932	2.72	0.83	2.83	1.60
Rio La Cava	987	Max WS	IC_TR200_TP01H	13.26	29.71	31.69	31.20	31.93	0.012692	2.17	6.11	4.12	0.57
Rio La Cava	987	Max WS	IC_TR200_TP03H	5.94	29.71	31.04	30.75	31.19	0.012158	1.70	3.49	3.95	0.58
Rio La Cava	987	Max WS	IC_TR200_TP06H	3.43	29.71	30.75	30.53	30.86	0.012312	1.45	2.37	3.73	0.58
Rio La Cava	987	Max WS	IC_TR030_TP01H	9.31	29.71	31.36	30.98	31.55	0.012283	1.95	4.78	4.03	0.57
Rio La Cava	987	Max WS	IC_TR030_TP03H	4.06	29.71	30.83	30.59	30.95	0.012413	1.53	2.66	3.87	0.59
Rio La Cava	987	Max WS	IC_TR030_TP06H	2.27	29.71	30.57	30.40	30.66	0.012809	1.31	1.74	3.43	0.59
Rio La Cava	986.1		Int Struct										
Rio La Cava	986	Max WS	IC_TR200_TP01H	13.26	27.10	29.62		29.75	0.002984	1.59	8.32	3.62	0.34
Rio La Cava	986	Max WS	IC_TR200_TP03H	5.94	27.10	28.20		28.35	0.006247	1.72	3.46	3.27	0.53
Rio La Cava	986	Max WS	IC_TR200_TP06H	3.43	27.10	27.87		27.98	0.006034	1.44	2.38	3.19	0.53
Rio La Cava	986	Max WS	IC_TR030_TP01H	9.31	27.10	28.64		28.83	0.005831	1.89	4.93	3.38	0.50
Rio La Cava	986	Max WS	IC_TR030_TP03H	4.06	27.10	27.96		28.08	0.006105	1.52	2.67	3.21	0.53
Rio La Cava	986	Max WS	IC_TR030_TP06H	2.27	27.10	27.68		27.77	0.006034	1.26	1.79	3.14	0.53
Rio La Cava	985	Max WS	IC_TR200_TP01H	13.26	27.10	29.61	28.34	29.74	0.003012	1.60	8.29	3.62	0.34
Rio La Cava	985	Max WS	IC_TR200_TP03H	5.94	27.10	28.18	27.83	28.34	0.006661	1.76	3.38	3.26	0.55
Rio La Cava	985	Max WS	IC_TR200_TP06H	3.43	27.10	27.85	27.61	27.96	0.006626	1.49	2.31	3.18	0.56
Rio La Cava	985	Max WS	IC_TR030_TP01H	9.31	27.10	28.62	28.08	28.81	0.006057	1.92	4.86	3.37	0.51
Rio La Cava	985	Max WS	IC_TR030_TP03H	4.06	27.10	27.93	27.66	28.06	0.006634	1.57	2.59	3.20	0.56
Rio La Cava	985	Max WS	IC_TR030_TP06H	2.27	27.10	27.66	27.48	27.75	0.006870	1.32	1.72	3.14	0.57
Rio La Cava	50		Bridge										
Rio La Cava	31	Max WS	IC_TR200_TP01H	13.26	26.68	27.88	27.90	28.50	0.011959	3.50	3.79	9.09	1.03
Rio La Cava	31	Max WS	IC_TR200_TP03H	5.94	26.68	27.39	27.40	27.75	0.014214	2.67	2.22	9.01	1.02
Rio La Cava	31	Max WS	IC_TR200_TP06H	3.43	26.68	27.18	27.18	27.43	0.015339	2.20	1.56	8.98	1.00
Rio La Cava	31	Max WS	IC_TR030_TP01H	9.31	26.68	27.62	27.64	28.12	0.013203	3.13	2.98	9.05	1.04
Rio La Cava	31	Max WS	IC_TR030_TP03H	4.06	26.68	27.24	27.24	27.52	0.015018	2.33	1.74	8.98	1.01
Rio La Cava	31	Max WS	IC_TR030_TP06H	2.26	26.68	27.07	27.06	27.25	0.016114	1.89	1.20	8.96	0.98
Rio La Cava	30	Max WS	IC_TR200_TP01H	13.26	26.68	27.61	27.30	27.74	0.004520	1.61	8.24	9.04	0.54

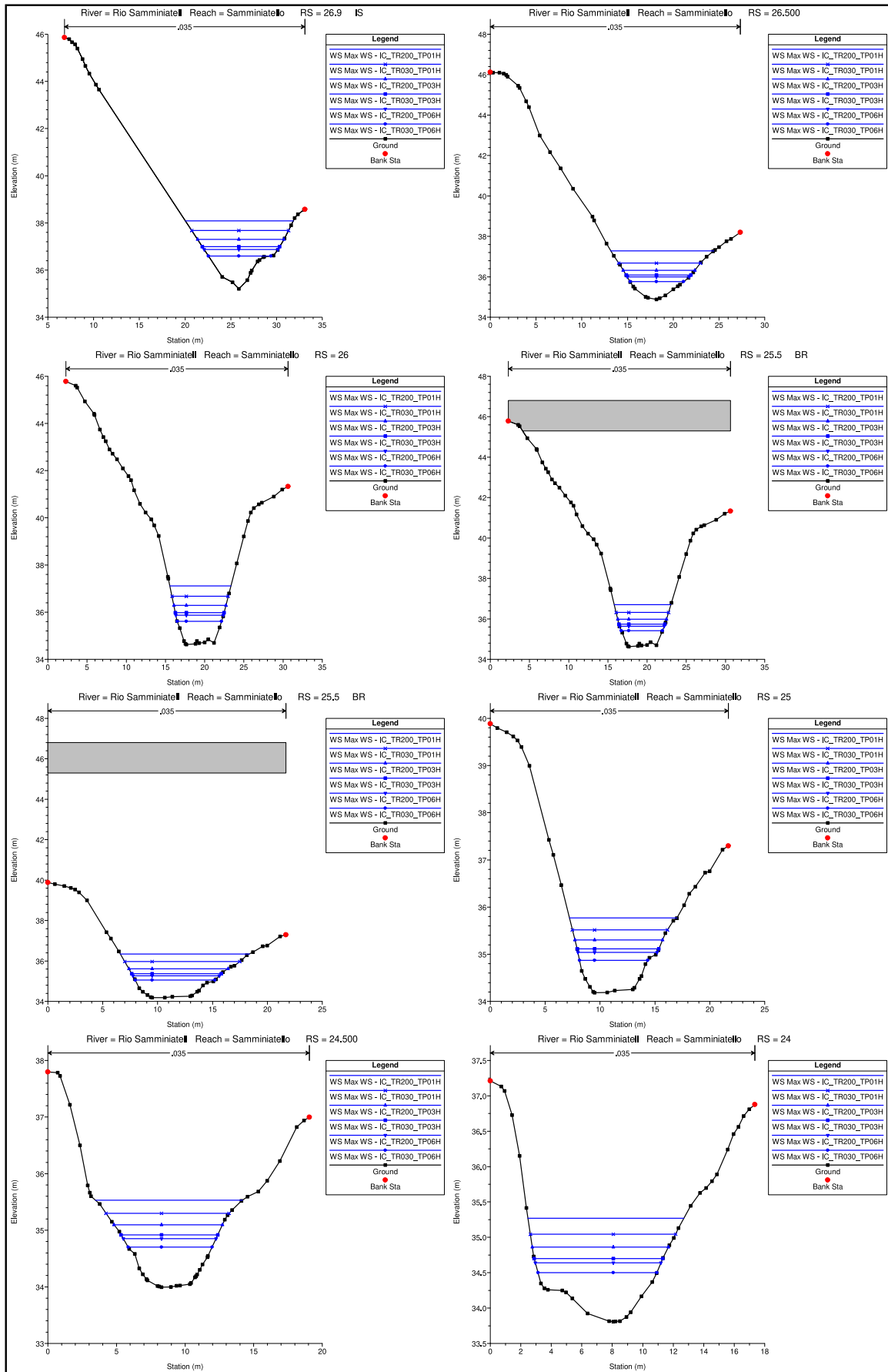
HEC-RAS River: MV50156 Reach: Rio La Cava Profile: Max WS (Continued)

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
Rio La Cava	30	Max WS	IC_TR200_TP03H	5.94	26.68	27.22	27.05	27.30	0.005206	1.25	4.73	8.98	0.55
Rio La Cava	30	Max WS	IC_TR200_TP06H	3.43	26.68	27.06	26.94	27.12	0.005609	1.04	3.29	8.96	0.55
Rio La Cava	30	Max WS	IC_TR030_TP01H	9.31	26.68	27.41	27.17	27.51	0.004950	1.46	6.38	9.01	0.55
Rio La Cava	30	Max WS	IC_TR030_TP03H	4.06	26.68	27.10	26.97	27.17	0.005474	1.10	3.68	8.96	0.55
Rio La Cava	30	Max WS	IC_TR030_TP06H	2.27	26.68	26.97	26.88	27.02	0.005964	0.91	2.50	8.94	0.55
Rio La Cava	29			Inl Struct									
Rio La Cava	28	Max WS	IC_TR200_TP01H	13.26	25.54	27.54		27.70	0.003891	1.82	7.30	5.29	0.49
Rio La Cava	28	Max WS	IC_TR200_TP03H	5.94	25.54	26.89		27.00	0.003509	1.41	4.20	4.33	0.46
Rio La Cava	28	Max WS	IC_TR200_TP06H	3.43	25.54	26.47		26.57	0.004649	1.35	2.54	3.60	0.52
Rio La Cava	28	Max WS	IC_TR030_TP01H	9.31	25.54	27.30		27.42	0.003123	1.53	6.10	4.95	0.44
Rio La Cava	28	Max WS	IC_TR030_TP03H	4.06	25.54	26.57		26.67	0.004499	1.40	2.90	3.77	0.51
Rio La Cava	28	Max WS	IC_TR030_TP06H	2.27	25.54	26.27		26.35	0.004957	1.23	1.84	3.25	0.52
Rio La Cava	22	Max WS	IC_TR200_TP01H	13.26	25.47	27.57		27.66	0.001868	1.30	10.21	8.20	0.37
Rio La Cava	22	Max WS	IC_TR200_TP03H	5.94	25.47	26.90		26.97	0.002089	1.10	5.40	6.20	0.38
Rio La Cava	22	Max WS	IC_TR200_TP06H	3.43	25.47	26.47		26.53	0.003588	1.16	2.97	4.86	0.47
Rio La Cava	22	Max WS	IC_TR030_TP01H	9.31	25.47	27.32		27.39	0.001620	1.13	8.25	7.42	0.34
Rio La Cava	22	Max WS	IC_TR030_TP03H	4.06	25.47	26.57		26.64	0.003217	1.16	3.49	5.20	0.45
Rio La Cava	22	Max WS	IC_TR030_TP06H	2.27	25.47	26.25		26.32	0.004503	1.13	2.01	4.08	0.51
Rio La Cava	20	Max WS	IC_TR200_TP01H	13.26	25.14	27.59		27.64	0.001135	0.98	13.47	11.40	0.29
Rio La Cava	20	Max WS	IC_TR200_TP03H	5.94	25.14	26.91		26.95	0.000489	0.86	6.88	9.40	0.22
Rio La Cava	20	Max WS	IC_TR200_TP06H	3.43	25.14	26.48		26.51	0.000452	0.68	5.07	8.42	0.20
Rio La Cava	20	Max WS	IC_TR030_TP01H	9.31	25.14	27.33		27.37	0.001114	0.87	10.64	10.88	0.28
Rio La Cava	20	Max WS	IC_TR030_TP03H	4.06	25.14	26.59		26.61	0.000481	0.74	5.51	8.66	0.21
Rio La Cava	20	Max WS	IC_TR030_TP06H	2.27	25.14	26.27		26.28	0.000380	0.54	4.17	7.93	0.17
Rio La Cava	15			Culvert									
Rio La Cava	10	Max WS	IC_TR200_TP01H	13.26	25.12	27.34		27.42	0.002415	1.27	10.50	11.61	0.42
Rio La Cava	10	Max WS	IC_TR200_TP03H	5.94	25.12	26.67		26.74	0.001252	1.10	5.38	8.43	0.32
Rio La Cava	10	Max WS	IC_TR200_TP06H	3.43	25.12	26.38		26.41	0.001062	0.84	4.07	7.38	0.28
Rio La Cava	10	Max WS	IC_TR030_TP01H	9.31	25.12	27.01		27.10	0.004195	1.36	6.86	10.03	0.52
Rio La Cava	10	Max WS	IC_TR030_TP03H	4.06	25.12	26.46		26.50	0.001124	0.92	4.42	7.66	0.29
Rio La Cava	10	Max WS	IC_TR030_TP06H	2.27	25.12	26.20		26.22	0.000939	0.69	3.29	6.61	0.25
Rio La Cava	5	Max WS	IC_TR200_TP01H	13.26	25.12	27.35	26.40	27.41	0.001000	1.17	12.34	9.46	0.28
Rio La Cava	5	Max WS	IC_TR200_TP03H	5.94	25.12	26.69	26.02	26.72	0.001000	0.87	7.14	7.18	0.27
Rio La Cava	5	Max WS	IC_TR200_TP06H	3.43	25.12	26.38	25.81	26.41	0.001001	0.72	4.95	7.08	0.26
Rio La Cava	5	Max WS	IC_TR030_TP01H	9.30	25.12	27.03	26.24	27.08	0.001001	1.02	9.62	7.68	0.28
Rio La Cava	5	Max WS	IC_TR030_TP03H	4.06	25.12	26.46	25.88	26.49	0.001001	0.76	5.54	7.11	0.26
Rio La Cava	5	Max WS	IC_TR030_TP06H	2.27	25.12	26.20	25.68	26.22	0.001001	0.63	3.68	6.80	0.25

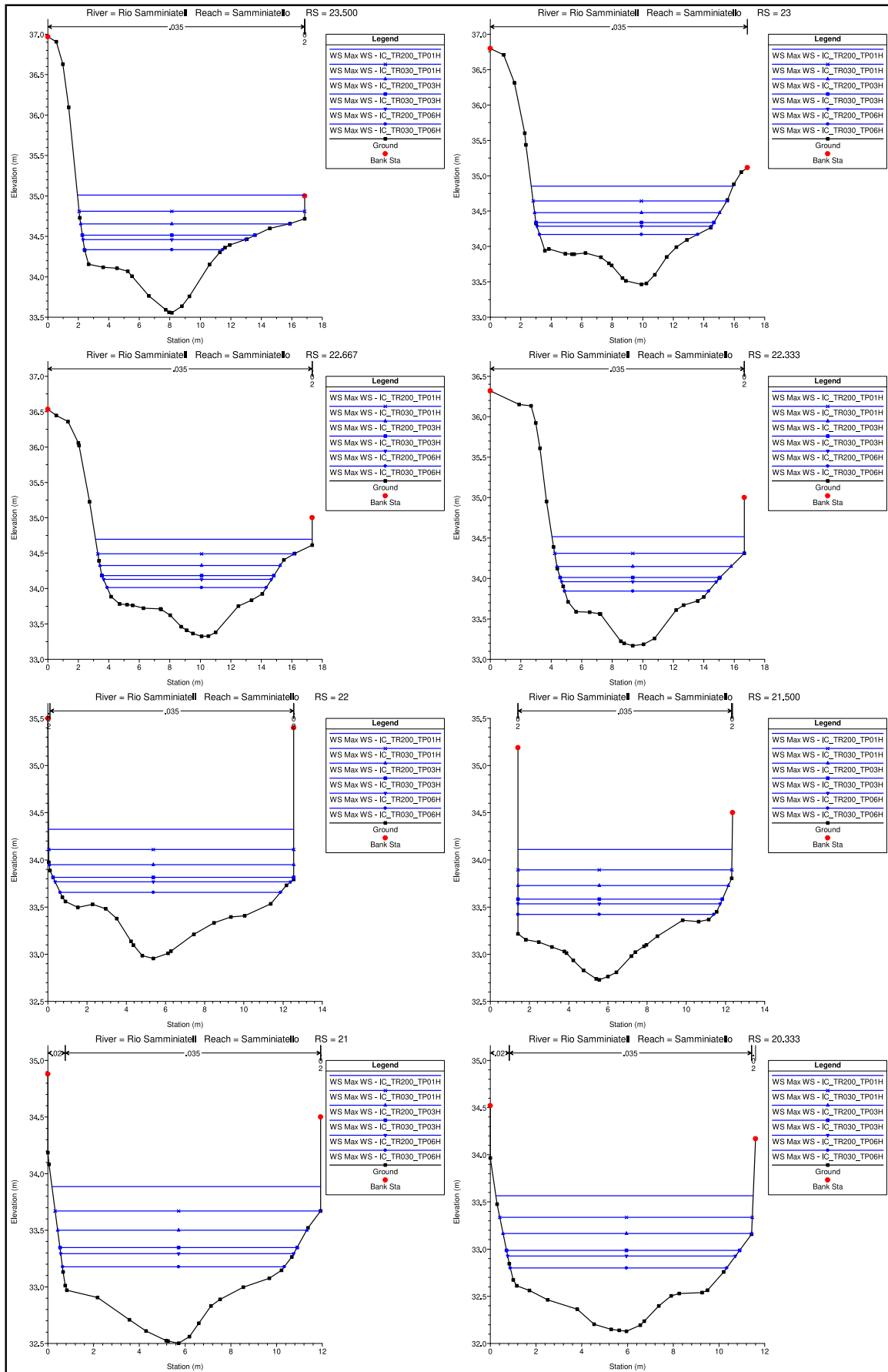


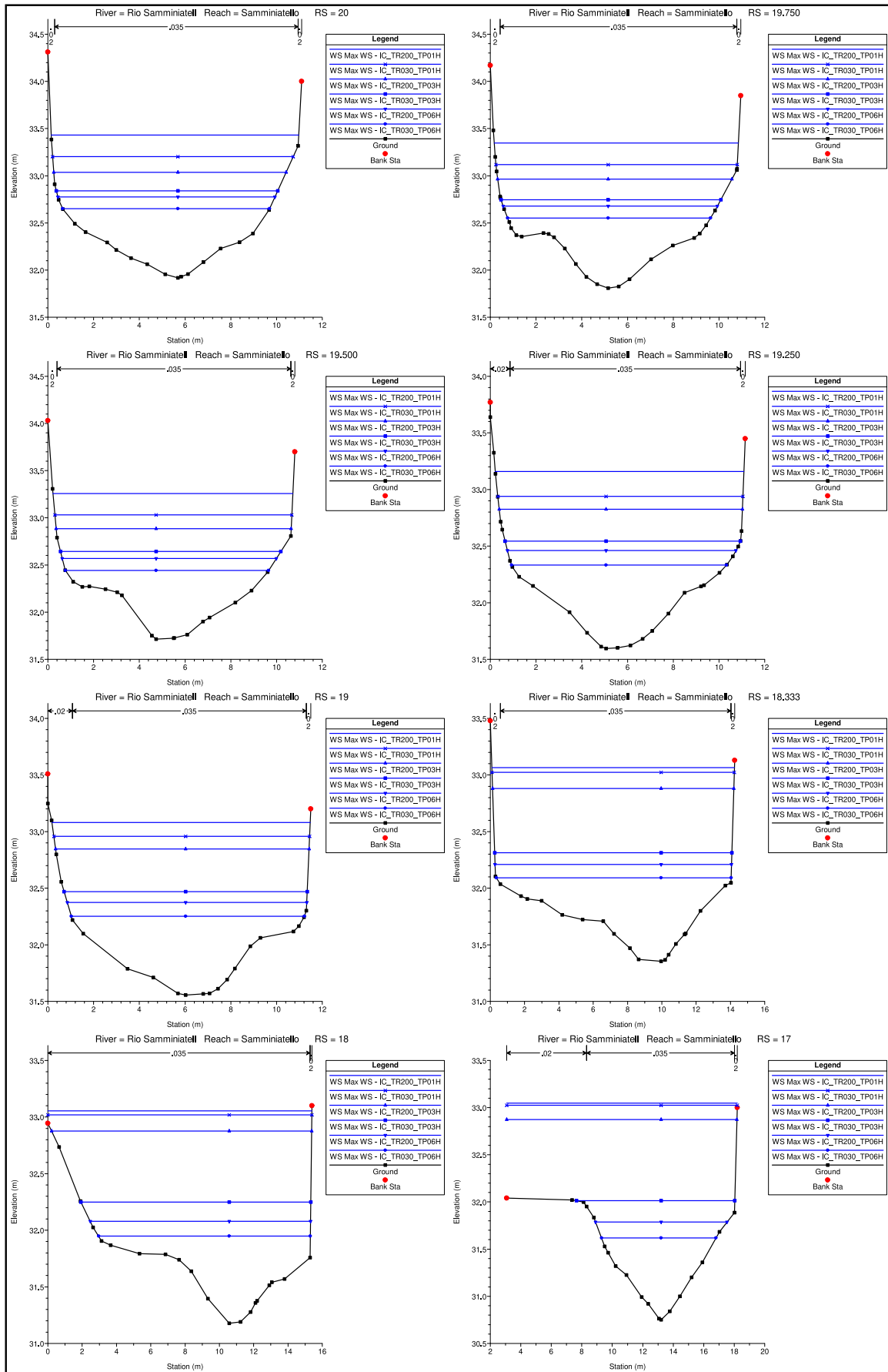


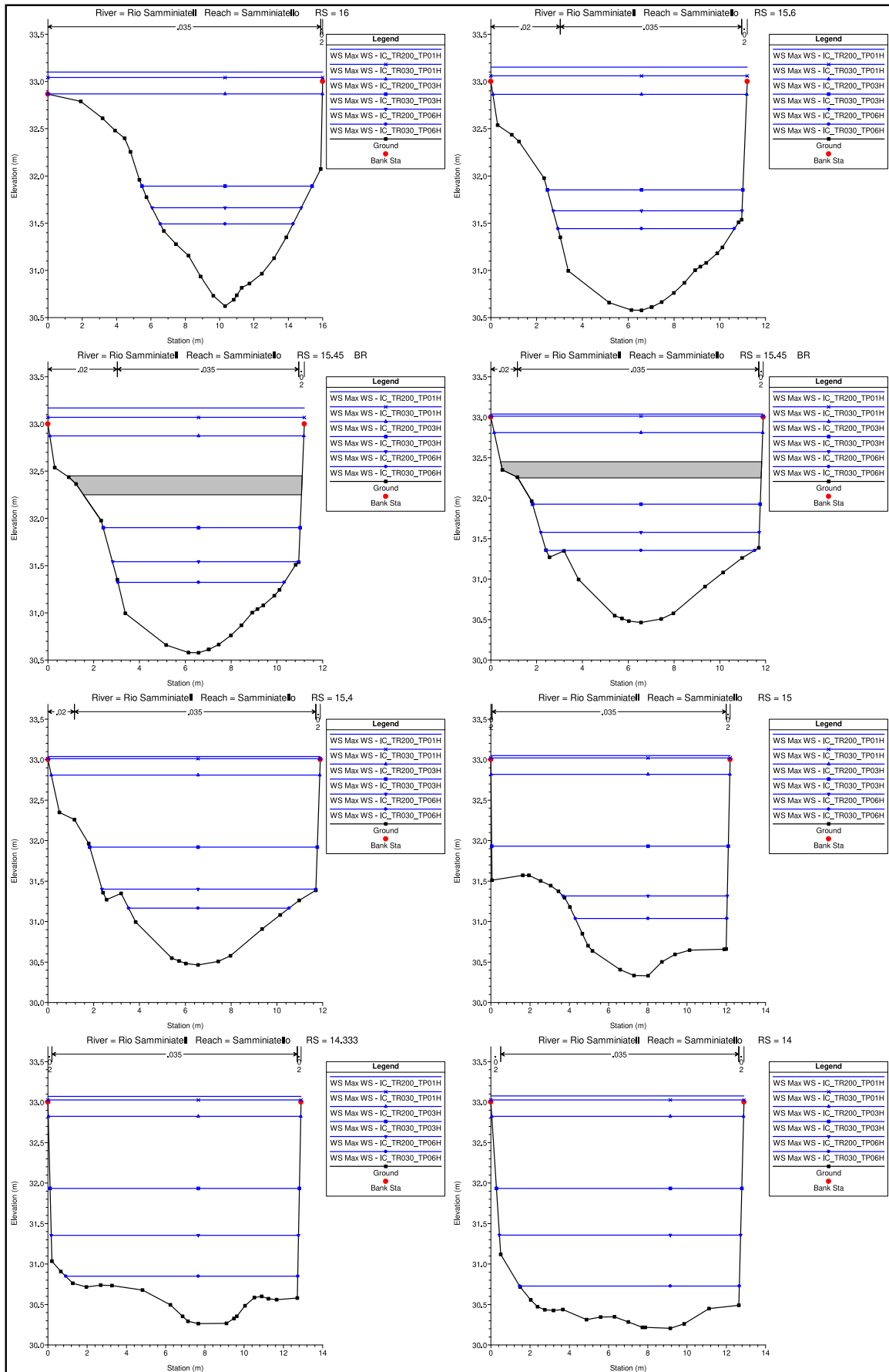


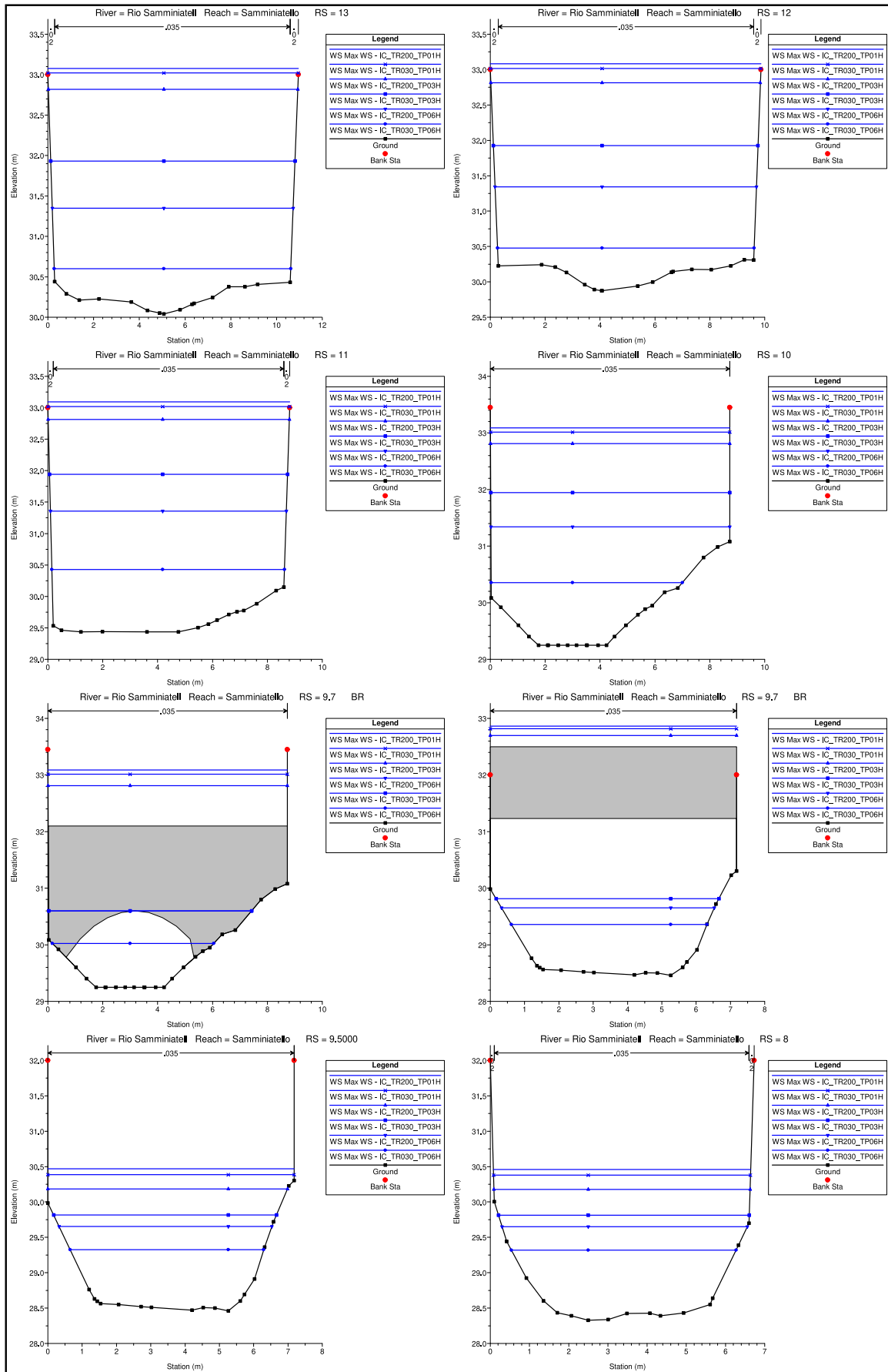


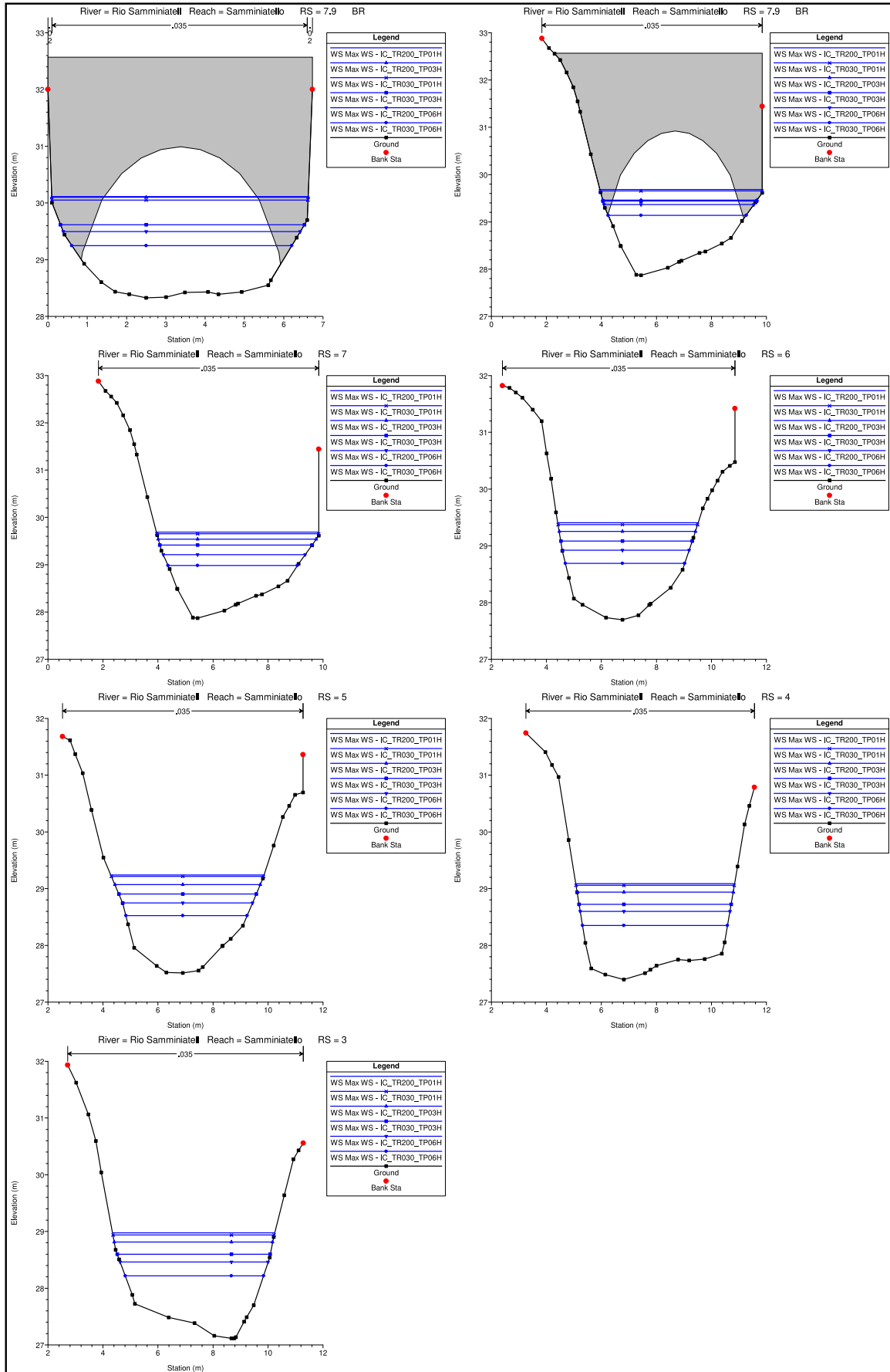












HEC-RAS Profile: Max WS

River	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
Rio Samminiato	Samminiato	30	Max WS	IC_TR200_TP01H	44.20	37.70	39.85	40.01	40.70	0.020060	4.09	10.81	9.01	1.19
Rio Samminiato	Samminiato	30	Max WS	IC_TR200_TP03H	20.83	37.70	39.35	39.40	39.85	0.018121	3.12	6.67	7.82	1.08
Rio Samminiato	Samminiato	30	Max WS	IC_TR200_TP06H	12.00	37.70	39.09	39.09	39.42	0.016554	2.54	4.72	7.12	1.00
Rio Samminiato	Samminiato	30	Max WS	IC_TR030_TP01H	30.15	37.70	39.56	39.67	40.23	0.019737	3.61	8.36	8.38	1.15
Rio Samminiato	Samminiato	30	Max WS	IC_TR030_TP03H	14.19	37.70	39.17	39.18	39.54	0.016850	2.70	5.26	7.32	1.02
Rio Samminiato	Samminiato	30	Max WS	IC_TR030_TP06H	7.85	37.70	38.85	38.90	39.18	0.023767	2.55	3.08	6.01	1.14
Rio Samminiato	Samminiato	29.8		Lat Struct										
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR200_TP01H	44.20	37.43	39.61	39.92	40.75	0.033158	4.73	9.34	8.67	1.46
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR200_TP03H	20.83	37.43	39.05	39.33	39.98	0.049317	4.28	4.86	7.07	1.65
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR200_TP06H	12.00	37.43	38.75	39.02	39.56	0.059632	4.01	2.99	5.29	1.70
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR030_TP01H	30.14	37.43	39.29	39.60	40.32	0.041259	4.51	6.67	7.88	1.57
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR030_TP03H	14.19	37.43	38.83	39.11	39.68	0.057266	4.09	3.47	5.87	1.70
Rio Samminiato	Samminiato	29.750	Max WS	IC_TR030_TP06H	7.85	37.43	38.51	38.80	39.26	0.052637	3.84	2.04	3.06	1.50
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR200_TP01H	44.20	37.25	39.32	39.53	40.22	0.020426	4.20	10.53	8.63	1.21
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR200_TP03H	20.83	37.25	38.68	38.90	39.44	0.030688	3.87	5.39	6.96	1.40
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR200_TP06H	12.00	37.25	38.34	38.55	38.99	0.032118	3.58	3.35	4.53	1.39
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR030_TP01H	30.15	37.25	38.76	39.16	39.78	0.025790	4.12	7.49	7.49	1.33
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR030_TP03H	14.19	37.25	38.43	38.65	39.12	0.031724	3.68	3.85	5.41	1.39
Rio Samminiato	Samminiato	29.500	Max WS	IC_TR030_TP06H	7.85	37.25	38.12	38.27	38.66	0.030699	3.27	2.40	3.89	1.33
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR200_TP01H	44.19	37.02	39.17	39.32	40.08	0.018450	4.22	10.46	7.65	1.15
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR200_TP03H	20.83	37.02	38.45	38.62	39.17	0.024089	3.76	5.54	6.08	1.26
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR200_TP06H	12.00	37.02	38.09	38.24	38.68	0.027250	3.42	3.51	4.91	1.29
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR030_TP01H	29.83	37.02	38.77	38.92	39.56	0.020352	3.93	7.60	6.79	1.18
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR030_TP03H	14.19	37.02	38.19	38.35	38.82	0.026925	3.53	4.02	5.32	1.30
Rio Samminiato	Samminiato	29.250	Max WS	IC_TR030_TP06H	7.85	37.02	37.87	37.99	38.36	0.028068	3.10	2.53	4.21	1.28
Rio Samminiato	Samminiato	29	Max WS	IC_TR200_TP01H	36.75	36.79	39.06		39.56	0.009032	3.11	11.81	7.90	0.81
Rio Samminiato	Samminiato	29	Max WS	IC_TR200_TP03H	20.83	36.79	38.25	38.34	38.87	0.019277	3.48	5.99	6.28	1.14
Rio Samminiato	Samminiato	29	Max WS	IC_TR200_TP06H	12.00	36.79	37.87	37.96	38.38	0.022162	3.16	3.80	5.17	1.18
Rio Samminiato	Samminiato	29	Max WS	IC_TR030_TP01H	29.37	36.79	38.60	38.63	39.23	0.015482	3.54	8.30	7.06	1.04
Rio Samminiato	Samminiato	29	Max WS	IC_TR030_TP03H	14.19	36.79	37.97	38.07	38.52	0.021665	3.26	4.35	5.52	1.17
Rio Samminiato	Samminiato	29	Max WS	IC_TR030_TP06H	7.85	36.79	37.65	37.73	38.07	0.023724	2.87	2.74	4.61	1.19
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR200_TP01H	44.19	36.60	38.88	38.94	39.75	0.016242	4.13	10.69	6.87	1.06
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR200_TP03H	20.83	36.60	38.11	38.18	38.74	0.019344	3.52	5.92	5.64	1.10
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR200_TP06H	12.00	36.60	37.71	37.77	38.21	0.019824	3.12	3.85	4.89	1.11
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR030_TP01H	27.12	36.60	38.49	38.49	39.05	0.012813	3.33	8.13	6.20	0.93
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR030_TP03H	14.19	36.60	37.82	37.88	38.36	0.019301	3.24	4.38	4.99	1.10
Rio Samminiato	Samminiato	28.750	Max WS	IC_TR030_TP06H	7.85	36.60	37.48	37.54	37.89	0.021353	2.81	2.79	4.41	1.13
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR200_TP01H	36.21	36.41	38.84		39.34	0.009285	3.14	11.53	7.51	0.81
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR200_TP03H	20.83	36.41	37.98	38.01	38.59	0.016803	3.47	6.01	5.34	1.04
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR200_TP06H	12.00	36.41	37.56	37.60	38.03	0.017887	3.04	3.95	4.68	1.06
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR030_TP01H	27.97	36.41	38.36	38.30	38.95	0.013277	3.40	8.23	6.25	0.94
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR030_TP03H	14.19	36.41	37.68	37.71	38.19	0.017564	3.17	4.48	4.86	1.05
Rio Samminiato	Samminiato	28.500	Max WS	IC_TR030_TP06H	7.84	36.41	37.33	37.35	37.70	0.018773	2.72	2.88	4.30	1.06
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR200_TP01H	36.04	36.21	38.68		39.11	0.007715	2.91	12.39	8.22	0.76
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR200_TP03H	20.83	36.21	37.84	37.83	38.37	0.014468	3.23	6.44	5.94	0.99
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR200_TP06H	12.00	36.21	37.43	37.42	37.84	0.015318	2.85	4.21	5.01	0.99
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR030_TP01H	28.69	36.21	38.20	38.24	38.74	0.012158	3.28	8.76	6.89	0.93
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR030_TP03H	14.19	36.21	37.54	37.53	37.99	0.015056	2.97	4.78	5.24	0.99
Rio Samminiato	Samminiato	28.250	Max WS	IC_TR030_TP06H	7.81	36.21	37.18	37.18	37.52	0.015800	2.55	3.06	4.51	0.99
Rio Samminiato	Samminiato	28	Max WS	IC_TR200_TP01H	44.19	36.02	38.89		39.07	0.006352	2.74	16.14	10.67	0.71
Rio Samminiato	Samminiato	28	Max WS	IC_TR200_TP03H	20.83	36.02	37.83	37.83	38.15	0.008456	2.63	8.24	7.68	0.78
Rio Samminiato	Samminiato	28	Max WS	IC_TR200_TP06H	12.00	36.02	37.37	37.37	37.65	0.010093	2.25	5.11	6.10	0.82
Rio Samminiato	Samminiato	28	Max WS	IC_TR030_TP01H	29.94	36.02	38.25	38.25	38.58	0.006731	2.54	11.79	9.14	0.71
Rio Samminiato	Samminiato	28	Max WS	IC_TR030_TP03H	14.19	36.02	37.50	37.50	37.79	0.009606	2.41	5.90	6.54	0.81
Rio Samminiato	Samminiato	28	Max WS	IC_TR030_TP06H	7.86	36.02	37.09	37.09	37.35	0.011564	2.22	3.54	5.14	0.85
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR200_TP01H	41.55	35.89	38.50		38.95	0.007435	2.97	13.98	8.86	0.76
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR200_TP03H	20.83	35.89	37.66	38.07	38.07	0.010767	2.84	7.34	6.79	0.87
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR200_TP06H	12.00	35.89	37.21	37.56	37.56	0.012828	2.63	4.55	5.43	0.92
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR030_TP01H	30.67	35.89	38.11	38.53	38.008547	2.86	10.72	8.17	0.80	
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR030_TP03H	14.19	35.89	37.32	37.70	37.70	0.012467	2.72	5.22	5.78	0.91
Rio Samminiato	Samminiato	27.834	Max WS	IC_TR030_TP06H	7.86	35.89	36.95	37.25	37.25	0.013517	2.41	3.26	4.67	0.92
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR200_TP01H	46.40	35.75	38.44		39.01	0.009841	3.34	13.91	9.21	0.87
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR200_TP03H	20.83	35.75	37.55	37.99	37.99	0.011295	2.93	7.12	6.40	0.89
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR200_TP06H	12.00	35.75	37.12	37.47	37.47	0.012142	2.61	4.60	5.25	0.89
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR030_TP01H	29.66	35.75	37.92	38.40	38.40	0.010138	3.07	9.67	7.41	0.86
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR030_TP03H	14.19	35.75	37.23	37.61	37.61	0.012166	2.73	5.20	5.55	0.90
Rio Samminiato	Samminiato	27.667	Max WS	IC_TR030_TP06H	7.86	35.75	36.87	37.15	37.15	0.012295	2.35	3.35	4.60	0.88
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR200_TP01H	46.73	35.66	38.25		38.87	0.008599	3.20	14.59	9.25	0.81
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR200_TP03H	20.83	35.66	37.59	37.90	37.90	0.007370	2.47	8.44	7.23	0.73
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR200_TP06H	12.00	35.66	37.13	37.39	37.39	0.008765	2.25	5.33	6.14	0.77
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR030_TP01H	29.70	35.66	38.00	38.34	38.34	0.006253	2.56	11.61	8.20	0.69
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR030_TP03H	14.19	35.66	37.25	37.53	37.53	0.008390	2.32	6.11	6.44	0.76
Rio Samminiato	Samminiato	27.556	Max WS	IC_TR030_TP06H	7.86	35.66	36.85	37.07	37.07	0.009924	2.11	3.73	5.25	0.80
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR200_TP01H	40.09	35.57	38.25		38.67	0.007540	2.87	13.97	9.43	0.75
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR200_TP03H	20.83	35.57	37.47	37.85	37.85	0.009626	2.75	7.58	6.57	0.82
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR200_TP06H	12.00	35.57	36.94	36.91	37.32	0.013993	2.71	4.42	5.33	0.95
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR030_TP01H	30.19	35.57	37.82	38.27	38.27	0.010559	2.99	10.10	8.36	0.84
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR030_TP03H	14.19	35.57	37.07	37.46	37.46	0.013326	2.78	5.11	5.70	0.97
Rio Samminiato	Samminiato	27.444	Max WS	IC_TR030_TP06H	7.86	35.57	36.69	36.66	37.00	0.014403	2.46	3.20	4.60	0.94
Rio Samminiato	Samminiato	27.333	Max WS	IC_TR200_TP01H	45.40	35.48	38.05	38.13	38.81	0.016660	3.87	11.73	8.89	1.08
Rio Samminiato	Samminiato	27.333	Max WS	IC_TR200_TP03H	20.83	35.48								

HEC-RAS Profile: Max WS (Continued)

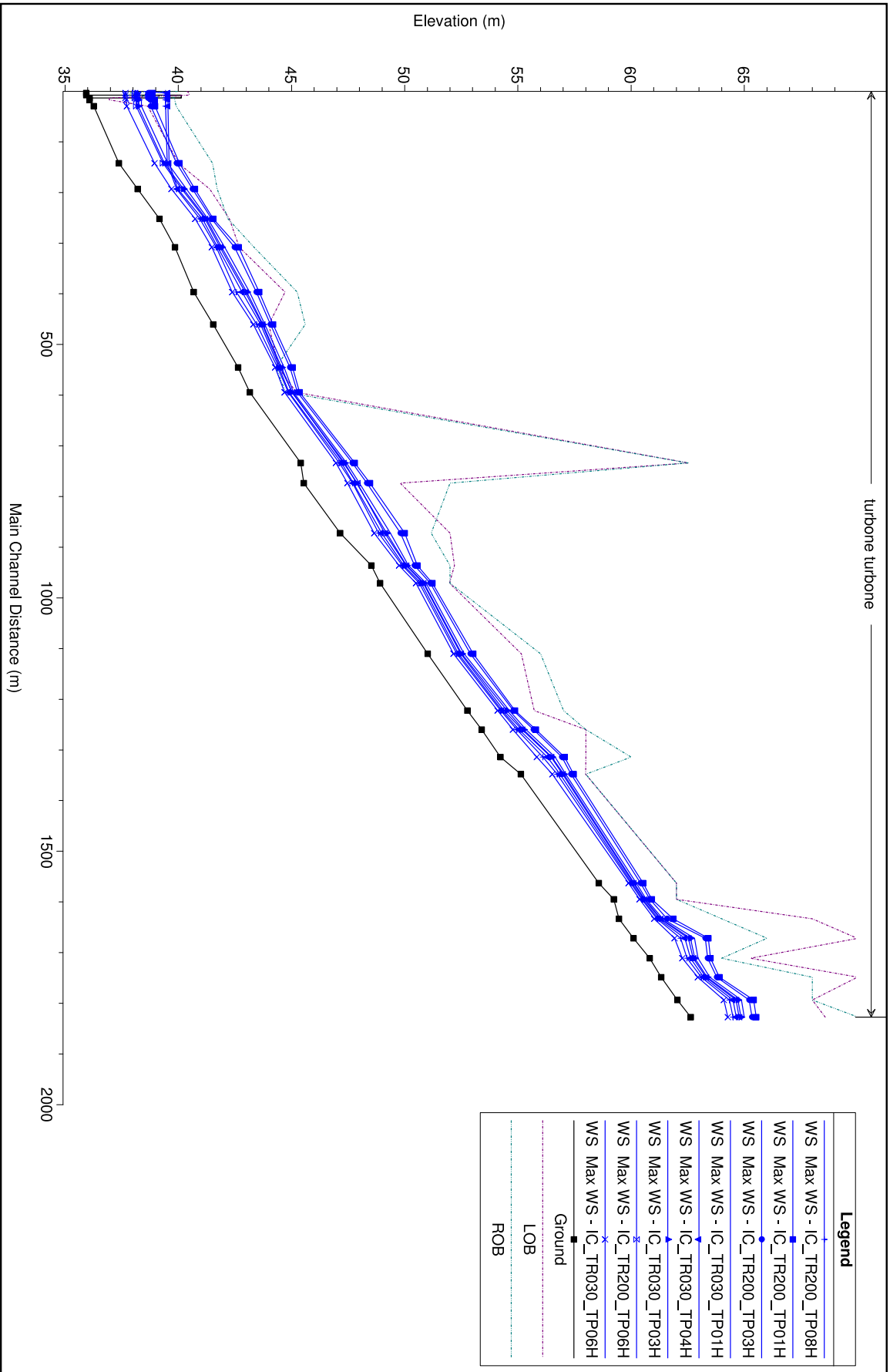
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio Samminiato	Samminiato	26,9			In Struct									
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR200_TP01H	44,19	34,88	37,28		37,67	0,006504	2,74	16,12	11,27	0,73
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR200_TP03H	20,83	34,88	36,33	36,32	36,77	0,019552	2,95	7,06	7,82	0,99
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR200_TP06H	11,97	34,88	35,99	36,33	36,33	0,014760	2,59	4,63	6,75	1,00
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR030_TP01H	30,83	34,88	36,66		37,16	0,011258	3,08	10,01	8,93	0,93
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR030_TP03H	14,19	34,88	36,09	36,08	36,45	0,014025	2,67	5,31	7,07	0,98
Rio Samminiato	Samminiato	26,500	Max WS	IC_TR030_TP06H	7,85	34,88	35,76	35,79	36,07	0,018453	2,49	3,16	5,85	1,08
Rio Samminiato	Samminiato	26	Max WS	IC_TR200_TP01H	44,19	34,62	37,11	36,70	37,59	0,007322	3,08	14,36	7,78	0,72
Rio Samminiato	Samminiato	26	Max WS	IC_TR200_TP03H	20,83	34,62	36,28	35,98	36,60	0,007254	2,48	8,39	6,63	0,70
Rio Samminiato	Samminiato	26	Max WS	IC_TR200_TP06H	12,02	34,62	35,86	35,63	36,09	0,007157	2,09	5,75	6,06	0,69
Rio Samminiato	Samminiato	26	Max WS	IC_TR030_TP01H	30,85	34,62	36,67	36,32	37,07	0,007298	2,78	11,08	7,17	0,72
Rio Samminiato	Samminiato	26	Max WS	IC_TR030_TP03H	14,30	34,62	35,98	35,73	36,23	0,007323	2,22	6,43	6,21	0,70
Rio Samminiato	Samminiato	26	Max WS	IC_TR030_TP06H	7,85	34,62	35,61	35,42	35,78	0,007439	1,86	4,23	5,65	0,68
Rio Samminiato	Samminiato	25,5			Bridge									
Rio Samminiato	Samminiato	25	Max WS	IC_TR200_TP01H	44,19	34,18	35,77	35,98	36,66	0,021695	4,18	10,57	9,80	1,28
Rio Samminiato	Samminiato	25	Max WS	IC_TR200_TP03H	20,83	34,18	35,30	35,38	35,83	0,018890	3,23	6,45	7,97	1,15
Rio Samminiato	Samminiato	25	Max WS	IC_TR200_TP06H	12,00	34,18	35,04	35,08	35,41	0,018188	2,69	4,46	7,21	1,09
Rio Samminiato	Samminiato	25	Max WS	IC_TR030_TP01H	30,85	34,18	35,52	35,67	36,23	0,020337	3,74	8,26	8,66	1,22
Rio Samminiato	Samminiato	25	Max WS	IC_TR030_TP03H	14,29	34,18	35,11	35,16	35,53	0,018473	2,86	5,00	7,44	1,11
Rio Samminiato	Samminiato	25	Max WS	IC_TR030_TP06H	7,85	34,18	34,87	34,88	35,15	0,016636	2,35	3,34	6,22	1,02
Rio Samminiato	Samminiato	24,99			Lat Struct									
Rio Samminiato	Samminiato	24,98			Lat Struct									
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR200_TP01H	44,19	33,99	35,53	35,85	36,57	0,030144	4,51	9,80	10,73	1,51
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR200_TP03H	20,83	33,99	35,10	35,27	35,75	0,025271	3,57	5,83	7,90	1,33
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR200_TP06H	12,00	33,99	34,85	34,95	35,30	0,023044	2,97	4,04	6,76	1,23
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR030_TP01H	30,46	33,99	35,30	35,56	36,14	0,027505	4,05	7,51	8,97	1,41
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR030_TP03H	14,23	33,99	34,92	35,04	35,43	0,023786	3,16	4,51	7,05	1,26
Rio Samminiato	Samminiato	24,500	Max WS	IC_TR030_TP06H	7,85	33,99	34,70	34,75	35,04	0,021446	2,56	3,07	6,12	1,16
Rio Samminiato	Samminiato	24	Max WS	IC_TR200_TP01H	44,19	33,81	35,27	35,53	36,21	0,024749	4,30	10,27	10,23	1,37
Rio Samminiato	Samminiato	24	Max WS	IC_TR200_TP03H	20,83	33,81	34,86	34,98	35,41	0,021633	3,27	6,38	8,93	1,23
Rio Samminiato	Samminiato	24	Max WS	IC_TR200_TP06H	12,00	33,81	34,64	34,70	35,01	0,021190	2,70	4,45	6,24	1,17
Rio Samminiato	Samminiato	24	Max WS	IC_TR030_TP01H	30,39	33,81	35,05	35,23	35,77	0,029491	3,77	8,06	9,53	1,30
Rio Samminiato	Samminiato	24	Max WS	IC_TR030_TP03H	14,22	33,81	34,70	34,78	35,12	0,021533	2,87	4,96	8,43	1,21
Rio Samminiato	Samminiato	24	Max WS	IC_TR030_TP06H	7,85	33,81	34,50	34,54	34,78	0,021552	2,35	3,35	7,80	1,14
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR200_TP01H	44,19	33,55	35,01	35,15	35,66	0,021312	3,57	12,37	14,91	1,25
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR200_TP03H	20,83	33,55	34,66	34,76	35,09	0,025926	2,92	7,13	13,71	1,29
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR200_TP06H	12,00	33,55	34,46	34,52	34,78	0,022819	2,50	4,81	10,66	1,19
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR030_TP01H	30,26	33,55	34,81	34,93	35,34	0,024173	3,21	9,41	14,80	1,29
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR030_TP03H	14,21	33,55	34,51	34,59	34,87	0,023749	2,64	5,39	11,32	1,22
Rio Samminiato	Samminiato	23,500	Max WS	IC_TR030_TP06H	7,85	33,55	34,34	34,36	34,58	0,020865	2,19	3,58	9,07	1,11
Rio Samminiato	Samminiato	23	Max WS	IC_TR200_TP01H	44,19	33,46	34,85	35,00	35,54	0,020286	3,69	11,98	13,24	1,24
Rio Samminiato	Samminiato	23	Max WS	IC_TR200_TP03H	20,83	33,46	34,48	34,55	34,90	0,021283	2,89	7,21	12,14	1,20
Rio Samminiato	Samminiato	23	Max WS	IC_TR200_TP06H	12,00	33,46	34,29	34,34	34,58	0,022389	2,42	4,97	11,46	1,17
Rio Samminiato	Samminiato	23	Max WS	IC_TR030_TP01H	30,22	33,46	34,64	34,74	35,18	0,020770	3,26	9,28	12,72	1,22
Rio Samminiato	Samminiato	23	Max WS	IC_TR030_TP03H	14,20	33,46	34,34	34,40	34,67	0,022138	2,56	5,56	11,67	1,18
Rio Samminiato	Samminiato	23	Max WS	IC_TR030_TP06H	7,85	33,46	34,17	34,21	34,40	0,022406	2,12	3,70	10,37	1,14
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR200_TP01H	44,19	33,33	34,70	34,83	35,27	0,029941	3,63	12,16	14,21	1,25
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR200_TP03H	20,83	33,33	34,33	34,39	34,74	0,019531	2,85	7,31	11,83	1,16
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR200_TP06H	12,00	33,33	34,13	34,16	34,41	0,019637	2,36	5,08	11,01	1,11
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR030_TP01H	30,16	33,33	34,49	34,60	35,02	0,020357	3,23	9,35	12,87	1,21
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR030_TP03H	14,22	33,33	34,18	34,22	34,50	0,019724	2,51	5,67	11,28	1,13
Rio Samminiato	Samminiato	22,667	Max WS	IC_TR030_TP06H	7,85	33,33	34,01	34,03	34,23	0,020064	2,05	3,82	10,43	1,08
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR200_TP01H	44,19	33,17	34,52	34,71	35,23	0,024237	3,98	11,12	12,61	1,35
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR200_TP03H	20,83	33,17	34,15	34,28	34,65	0,025969	3,15	6,62	11,42	1,32
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR200_TP06H	12,00	33,17	33,96	34,03	34,31	0,025055	2,62	4,57	10,16	1,25
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR030_TP01H	30,15	33,17	34,31	34,47	34,95	0,026191	3,53	8,53	12,42	1,36
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR030_TP03H	14,20	33,17	34,01	34,10	34,40	0,025399	2,78	5,11	10,48	1,27
Rio Samminiato	Samminiato	22,333	Max WS	IC_TR030_TP06H	7,85	33,17	33,84	33,90	34,11	0,024957	2,28	3,45	9,46	1,20
Rio Samminiato	Samminiato	22	Max WS	IC_TR200_TP01H	44,19	32,96	34,32	34,45	35,02	0,018645	3,69	11,99	12,51	1,20
Rio Samminiato	Samminiato	22	Max WS	IC_TR200_TP03H	20,83	32,96	33,95	34,02	34,36	0,020722	2,84	7,32	12,48	1,19
Rio Samminiato	Samminiato	22	Max WS	IC_TR200_TP06H	12,00	32,96	33,77	33,81	34,05	0,022187	2,37	5,06	12,01	1,17
Rio Samminiato	Samminiato	22	Max WS	IC_TR030_TP01H	30,14	32,96	34,11	34,20	34,64	0,019614	3,23	9,33	12,50	1,19
Rio Samminiato	Samminiato	22	Max WS	IC_TR030_TP03H	14,20	32,96	33,82	33,87	34,14	0,022185	2,51	5,65	12,27	1,18
Rio Samminiato	Samminiato	22	Max WS	IC_TR030_TP06H	7,85	32,96	33,66	33,69	33,88	0,022907	2,07	3,79	11,25	1,14
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR200_TP01H	44,19	32,73	34,11	34,30	34,97	0,022564	4,09	10,80	10,93	1,31
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR200_TP03H	20,83	32,73	33,73	33,84	34,23	0,024183	3,15	6,62	10,74	1,28
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR200_TP06H	12,00	32,73	33,53	33,60	33,88	0,025837	2,63	4,57	10,31	1,26
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR030_TP01H	30,14	32,73	33,90	34,04	34,55	0,023346	3,57	8,44	10,91	1,30
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR030_TP03H	14,19	32,73	33,58	33,67	33,98	0,025517	2,78	5,10	10,42	1,27
Rio Samminiato	Samminiato	21,500	Max WS	IC_TR030_TP06H	7,85	32,73	33,42	33,48	33,69	0,027308	2,29	3,43	9,99	1,25
Rio Samminiato	Samminiato	21	Max WS	IC_TR200_TP01H	44,19	32,50	33,89	34,06	34,68	0,020508	3,94	11,22	11,75	1,29
Rio Samminiato	Samminiato	21	Max WS	IC_TR200_TP03H	20,83	32,50	33,50	33,60	33,98	0,021805	3,07	6,80	10,89	1,24
Rio Samminiato	Samminiato	21	Max WS	IC_TR200_TP06H	12,00	32,50	33,29	33,36	33,64	0,024135	2,60	4,61	10,18	1,24
Rio Samminiato	Samminiato	21	Max WS	IC_TR030_TP01H	30,13	32,50	33,67	33,80	34,28</					

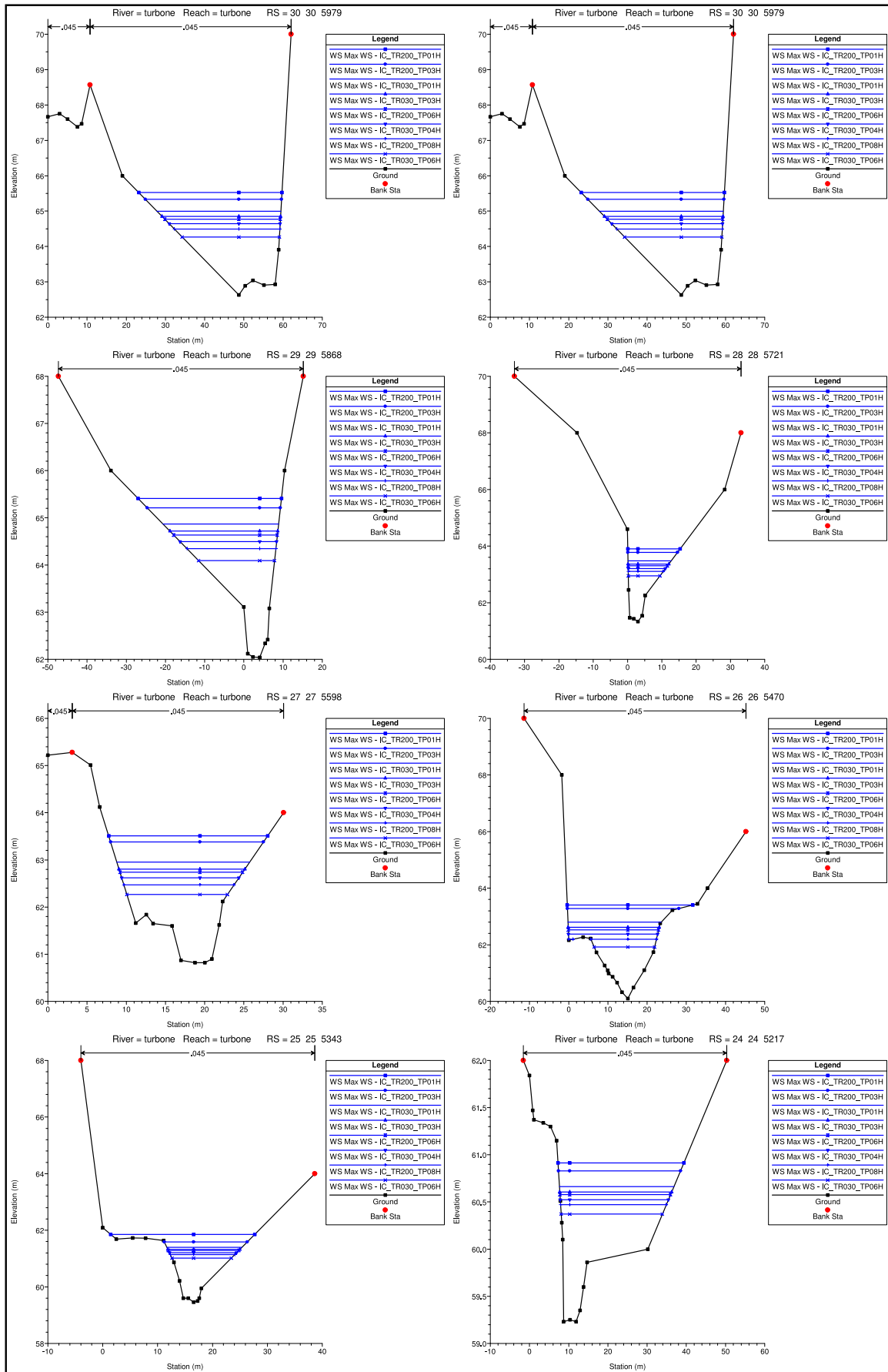
HEC-RAS Profile: Max WS (Continued)

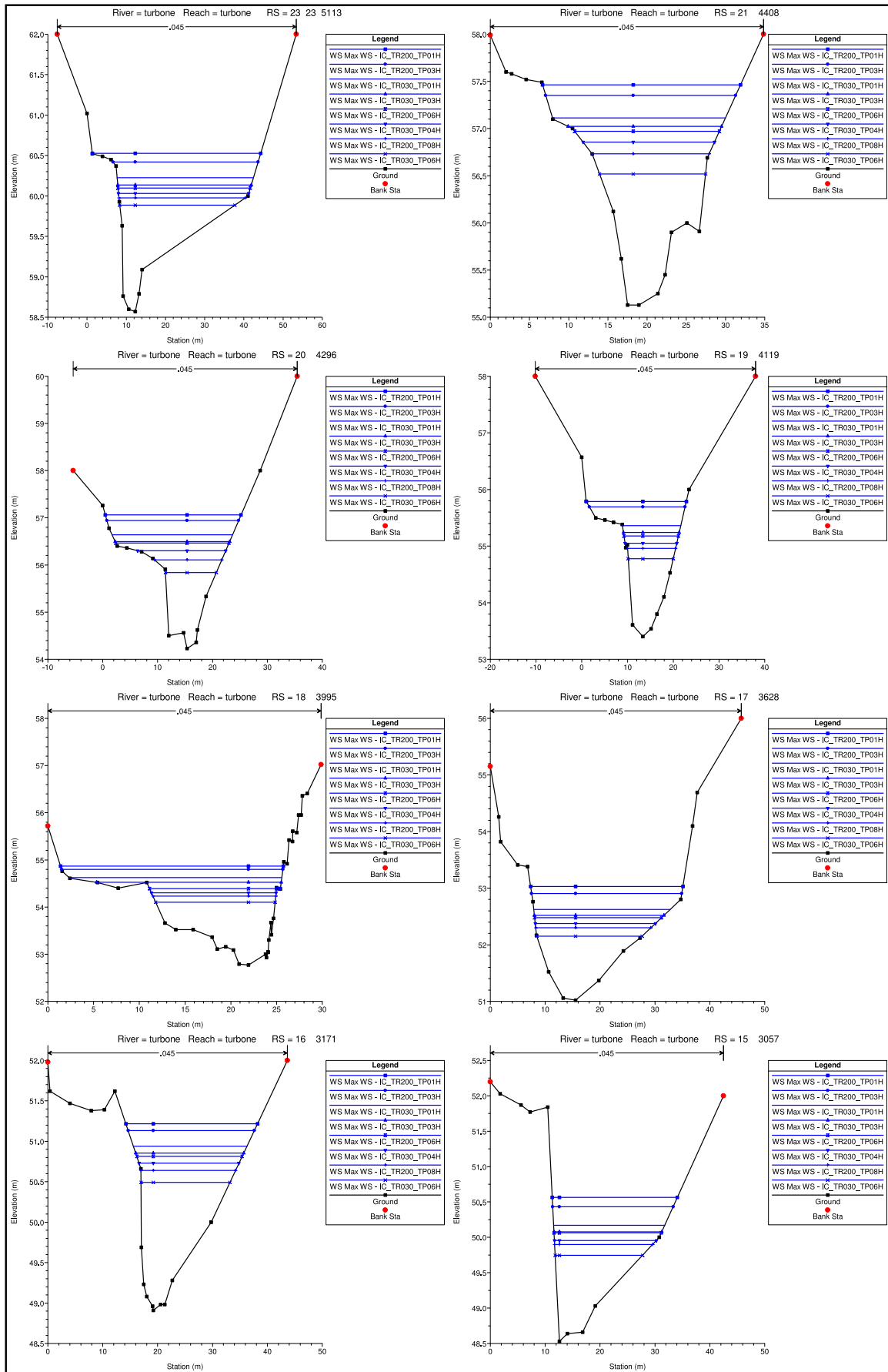
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio Samminiato	Samminiato	19,500	Max WS	IC_TR200_TP03H	20,57	31,71	32,88	32,87	33,24	0,01258	2,66	7,75	10,28	0,98
Rio Samminiato	Samminiato	19,500	Max WS	IC_TR200_TP06H	12,00	31,71	32,57	32,63	32,91	0,021704	2,59	4,64	9,37	1,18
Rio Samminiato	Samminiato	19,500	Max WS	IC_TR030_TP01H	30,12	31,71	33,03	33,09	33,57	0,015909	3,25	9,26	10,36	1,10
Rio Samminiato	Samminiato	19,500	Max WS	IC_TR030_TP03H	14,00	31,71	32,64	32,69	32,99	0,019326	2,82	5,33	9,64	1,13
Rio Samminiato	Samminiato	19,500	Max WS	IC_TR030_TP06H	7,85	31,71	32,44	32,48	32,70	0,022710	2,27	3,46	8,89	1,16
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR200_TP01H	44,18	31,59	33,16	33,21	33,80	0,013136	3,55	12,43	10,87	1,06
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR200_TP03H	21,00	31,59	32,83		33,11	0,008887	2,37	8,85	10,63	0,83
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR200_TP06H	12,00	31,59	32,46	32,48	32,75	0,017482	2,38	5,05	9,99	1,07
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR030_TP01H	30,12	31,59	32,84	32,92	33,40	0,012063	2,99	10,06	10,72	0,99
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR030_TP03H	13,95	31,59	32,54	32,54	32,83	0,014696	2,37	5,88	10,29	1,00
Rio Samminiato	Samminiato	19,250	Max WS	IC_TR030_TP06H	7,58	31,59	32,33	32,33	32,53	0,016644	1,99	3,80	9,40	1,00
Rio Samminiato	Samminiato	19	Max WS	IC_TR200_TP01H	44,18	31,56	33,08	33,08	33,66	0,011424	3,38	13,09	11,29	1,00
Rio Samminiato	Samminiato	19	Max WS	IC_TR200_TP03H	21,07	31,56	32,85		33,05	0,005323	2,01	10,47	11,09	0,66
Rio Samminiato	Samminiato	19	Max WS	IC_TR200_TP06H	12,00	31,56	32,37	32,37	32,63	0,015169	2,24	5,35	10,47	1,00
Rio Samminiato	Samminiato	19	Max WS	IC_TR030_TP01H	28,32	31,56	32,96		33,26	0,006704	2,42	11,71	11,19	0,75
Rio Samminiato	Samminiato	19	Max WS	IC_TR030_TP03H	13,70	31,56	32,47		32,71	0,011315	2,16	6,36	10,63	0,89
Rio Samminiato	Samminiato	19	Max WS	IC_TR030_TP06H	7,54	31,56	32,25		32,42	0,014271	1,84	4,09	10,19	0,93
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR200_TP01H	40,63	31,35	33,07		33,31	0,004121	2,17	18,72	14,15	0,60
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR200_TP03H	20,98	31,35	32,88		32,97	0,001780	1,30	16,13	14,07	0,39
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR200_TP06H	12,00	31,35	32,21		32,37	0,009998	1,78	6,76	13,79	0,81
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR030_TP01H	30,11	31,35	33,02		33,16	0,002507	1,66	18,14	14,13	0,47
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR030_TP03H	14,86	31,35	32,31		32,48	0,008215	1,82	8,21	13,83	0,76
Rio Samminiato	Samminiato	18,333	Max WS	IC_TR030_TP06H	7,85	31,35	32,09		32,21	0,010606	1,53	5,13	13,69	0,80
Rio Samminiato	Samminiato	18	Max WS	IC_TR200_TP01H	40,52	31,18	33,05		33,27	0,003882	2,04	19,89	15,40	0,57
Rio Samminiato	Samminiato	18	Max WS	IC_TR200_TP03H	20,96	31,18	32,88		32,95	0,001639	1,22	17,17	15,17	0,37
Rio Samminiato	Samminiato	18	Max WS	IC_TR200_TP06H	12,00	31,18	32,08		32,28	0,013974	2,00	5,98	12,85	0,94
Rio Samminiato	Samminiato	18	Max WS	IC_TR030_TP01H	30,11	31,18	33,02		33,14	0,002335	1,56	19,36	15,39	0,44
Rio Samminiato	Samminiato	18	Max WS	IC_TR030_TP03H	7,65	31,18	32,25		32,29	0,002115	0,93	8,21	13,41	0,38
Rio Samminiato	Samminiato	18	Max WS	IC_TR030_TP06H	8,21	31,18	31,95	31,95	32,13	0,018001	1,89	4,34	12,35	1,02
Rio Samminiato	Samminiato	17	Max WS	IC_TR200_TP01H	39,53	30,75	33,05		33,21	0,001855	1,76	22,51	15,12	0,46
Rio Samminiato	Samminiato	17	Max WS	IC_TR200_TP03H	20,52	30,75	32,87		32,93	0,000746	1,03	19,88	15,10	0,29
Rio Samminiato	Samminiato	17	Max WS	IC_TR200_TP06H	12,00	30,75	31,79	31,80	32,09	0,016333	2,45	4,89	8,62	1,04
Rio Samminiato	Samminiato	17	Max WS	IC_TR030_TP01H	28,96	30,75	33,03		33,11	0,001044	1,31	22,18	15,12	0,34
Rio Samminiato	Samminiato	17	Max WS	IC_TR030_TP03H	7,52	30,75	32,01		32,09	0,003033	1,22	7,02	10,37	0,47
Rio Samminiato	Samminiato	17	Max WS	IC_TR030_TP06H	7,85	30,75	31,63	31,63	31,87	0,017021	2,22	3,54	7,51	1,03
Rio Samminiato	Samminiato	16	Max WS	IC_TR200_TP01H	37,95	30,62	33,10		33,24	0,002398	1,88	22,56	16,00	0,45
Rio Samminiato	Samminiato	16	Max WS	IC_TR200_TP03H	19,54	30,62	32,87		32,92	0,001174	1,06	18,85	15,99	0,31
Rio Samminiato	Samminiato	16	Max WS	IC_TR200_TP06H	12,00	30,62	31,66	31,65	31,95	0,014577	2,36	5,08	8,69	0,99
Rio Samminiato	Samminiato	16	Max WS	IC_TR030_TP01H	26,14	30,62	33,04		33,12	0,001296	1,21	21,65	16,00	0,33
Rio Samminiato	Samminiato	16	Max WS	IC_TR030_TP03H	4,00	30,62	31,89		31,91	0,000605	0,56	7,21	9,90	0,21
Rio Samminiato	Samminiato	16	Max WS	IC_TR030_TP06H	7,85	30,62	31,49	31,48	31,72	0,015755	2,14	3,67	7,72	0,99
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR200_TP01H	31,52	30,58	33,15	32,06	33,27	0,001084	1,49	21,11	11,20	0,35
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR200_TP03H	19,28	30,58	32,86	31,73	32,92	0,000684	1,08	17,87	11,09	0,27
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR200_TP06H	12,00	30,58	31,63	31,49	31,84	0,007825	2,01	5,98	8,25	0,75
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR030_TP01H	22,99	30,58	33,06	31,84	33,13	0,000677	1,15	20,06	11,20	0,27
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR030_TP03H	15,38	30,58	31,85	31,61	32,05	0,005398	1,96	7,85	8,54	0,65
Rio Samminiato	Samminiato	15,6	Max WS	IC_TR030_TP06H	7,85	30,58	31,44	31,32	31,60	0,008162	1,76	4,47	7,71	0,74
Rio Samminiato	Samminiato	15,4		Bridge										
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR200_TP01H	28,14	30,46	33,04		33,12	0,000942	1,30	22,48	11,90	0,30
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR200_TP03H	19,24	30,46	32,81		32,88	0,000912	0,97	19,80	11,73	0,24
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR200_TP06H	12,00	30,46	31,40	31,42	31,69	0,016822	2,39	5,01	9,34	1,04
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR030_TP01H	22,99	30,46	33,01		33,07	0,000611	1,04	22,19	11,90	0,24
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR030_TP03H	15,38	30,46	31,92		32,04	0,003133	1,54	10,01	9,94	0,49
Rio Samminiato	Samminiato	15,4	Max WS	IC_TR030_TP06H	7,85	30,46	31,16	31,23	31,50	0,024551	2,55	3,08	7,01	1,23
Rio Samminiato	Samminiato	15,2		Lat Struct										
Rio Samminiato	Samminiato	15,1		Lat Struct										
Rio Samminiato	Samminiato	15	Max WS	IC_TR200_TP01H	31,19	30,33	33,05		33,12	0,000740	1,19	26,23	12,20	0,26
Rio Samminiato	Samminiato	15	Max WS	IC_TR200_TP03H	19,22	30,33	32,82		32,85	0,000404	0,82	23,38	12,18	0,19
Rio Samminiato	Samminiato	15	Max WS	IC_TR200_TP06H	12,00	30,33	31,32		31,52	0,008531	2,03	5,92	8,37	0,77
Rio Samminiato	Samminiato	15	Max WS	IC_TR030_TP01H	22,97	30,33	33,02		33,06	0,000421	0,89	25,84	12,20	0,20
Rio Samminiato	Samminiato	15	Max WS	IC_TR030_TP03H	14,60	30,33	31,93		32,00	0,001686	1,16	12,62	12,06	0,36
Rio Samminiato	Samminiato	15	Max WS	IC_TR030_TP06H	7,85	30,33	31,04	31,03	31,27	0,015483	2,13	3,70	7,72	0,98
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR200_TP01H	29,87	30,27	33,07		33,12	0,000384	0,94	31,76	12,90	0,19
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR200_TP03H	19,22	30,27	32,82		32,85	0,000221	0,67	28,58	12,87	0,14
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR200_TP06H	12,00	30,27	31,35		31,43	0,002645	1,22	9,86	12,80	0,44
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR030_TP01H	22,87	30,27	33,03		33,05	0,000298	0,73	31,27	12,90	0,15
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR030_TP03H	14,63	30,27	31,93		31,97	0,000645	0,85	17,22	12,71	0,23
Rio Samminiato	Samminiato	14,333	Max WS	IC_TR030_TP06H	7,85	30,27	30,85	30,90	31,09	0,028951	2,18	3,60	11,82	1,26
Rio Samminiato	Samminiato	14	Max WS	IC_TR200_TP01H	28,80	30,21	33,08		33,11	0,000298	0,87	33,23	12,90	0,17
Rio Samminiato	Samminiato	14	Max WS	IC_TR200_TP03H	19,22	30,21	32,82		32,84	0,000183	0,64	29,98	12,83	0,13
Rio Samminiato	Samminiato	14	Max WS	IC_TR200_TP06H	12,00	30,21	31,36		31,41	0,001503	1,04	11,57	12,29	0,34
Rio Samminiato	Samminiato	14	Max WS	IC_TR030_TP01H	22,73	30,21	33,03		33,05	0,000197	0,70	32,61	12,90	0,14
Rio Samminiato	Samminiato	14	Max WS	IC_TR030_TP03H	14,51	30,21	31,93		31,96	0,000466	0,78	18,71	12,51	0,20
Rio Samminiato	Samminiato	14	Max WS	IC_TR030_TP06H	7,85	30,21	30,73	30,73	30,92	0,017966	1,93	4,06	11,19	1,02
Rio Samminiato	Samminiato	13	Max WS	IC_TR200_TP01H	26,98	30,04	33,06		33,12	0,000313	0,80	30,03	10,96	0,17
Rio Samminiato	Samminiato	13	Max WS	IC_TR200_TP03H	19,22	30,04	32,82		32,84	0,000216	0,71	27,19	10,91	0,14
Rio Samminiato	Samminiato	13	Max WS	IC_TR200_TP06H	12,00	30,04	31,35		31,40	0,001303	1,05	11,44	10,53	0,32
Rio Samminiato	Samminiato	13	Max WS	IC_TR030_TP01H	22,50	30,04	33,02		33,05	0,000232	0,76	29,42	10,96	0,15
Rio Samminiato	Samminiato	13	Max WS	IC_TR030_TP03H	14,09	30,04	31,93		31,96	0,000452	0,80	17,62	10,68	0,20
Rio Samminiato	Samminiato	13	Max WS	IC_TR030_TP06H	7,85	30,04	30,60	30,64	30,84	0,023509	2,16	3,64	10,34	1,16
Rio Samminiato	Samminiato	12	Max WS	IC_TR200_TP01H	25,33	29,87	33,08		33,12	0,000302	0,89	28,42	9,86	0,17
Rio Samminiato	Samminiato	12	Max WS	IC_TR200_TP03H	19,24	29,87	32,81		32,84	0,000235	0,75	25,79	9,83	0,15
Rio Samminiato	Samminiato	12	Max WS	IC_TR200_TP06H	12,00	29,87	31,34		31,40	0,001131	1,04	11,57	9,53	0,30
Rio Samminiato	Samminiato	12	Max WS	IC_TR030_TP01H										

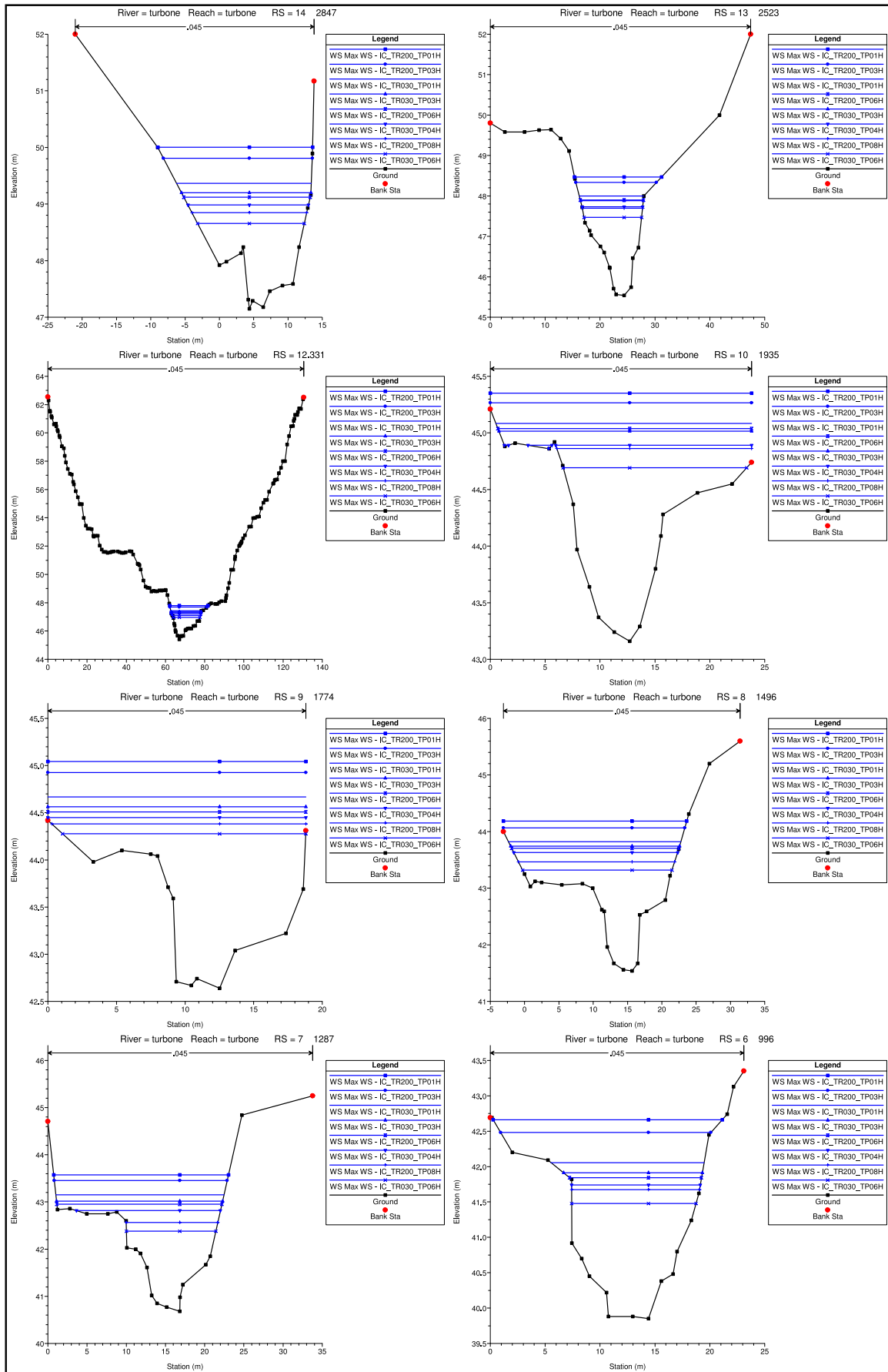


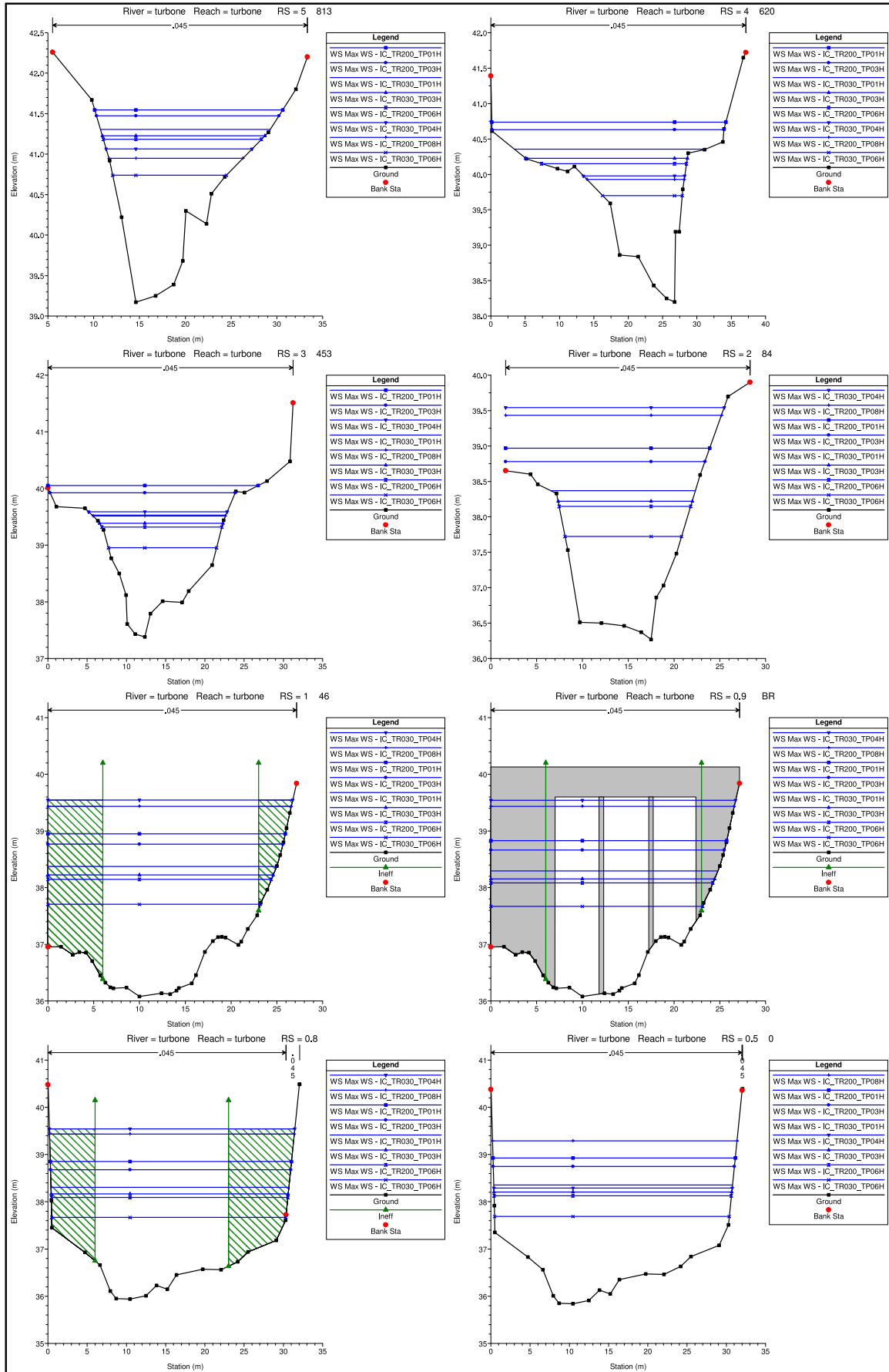












HEC-RAS River: turbone Reach: turbone Profile: Max WS

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	
turbone	30	30	Max WS	IC_TR200_TP01H	85.10	62.63	65.52		65.61	0.001832	1.34	63.61	36.52	0.32
turbone	30	30	Max WS	IC_TR200_TP03H	74.90	62.63	65.34		65.42	0.001920	1.32	56.93	34.77	0.33
turbone	30	30	Max WS	IC_TR030_TP04H	39.00	62.63	64.64		64.70	0.001977	1.11	35.04	28.28	0.32
turbone	30	30	Max WS	IC_TR200_TP06H	44.30	62.63	64.77		64.84	0.001923	1.14	38.81	29.50	0.32
turbone	30	30	Max WS	IC_TR030_TP01H	54.80	62.63	65.00		65.07	0.001872	1.20	45.74	31.62	0.32
turbone	30	30	Max WS	IC_TR030_TP03H	47.80	62.63	64.85		64.92	0.001897	1.16	41.21	30.25	0.32
turbone	30	30	Max WS	IC_TR030_TP06H	26.40	62.63	64.27		64.32	0.002290	1.05	25.12	24.79	0.33
turbone	30	30	Max WS	IC_TR200_TP08H	33.60	62.63	64.50		64.55	0.002061	1.08	31.00	26.91	0.32
turbone	29	29	Max WS	IC_TR200_TP01H	85.10	62.04	65.41		65.53	0.002966	1.54	55.14	36.57	0.40
turbone	29	29	Max WS	IC_TR200_TP03H	74.90	62.04	65.21		65.33	0.003289	1.56	48.09	33.95	0.42
turbone	29	29	Max WS	IC_TR030_TP04H	38.99	62.04	64.50		64.60	0.003912	1.43	27.22	24.65	0.44
turbone	29	29	Max WS	IC_TR200_TP06H	44.04	62.04	64.63		64.74	0.003649	1.43	30.73	26.45	0.42
turbone	29	29	Max WS	IC_TR030_TP01H	54.80	62.04	64.87		64.98	0.003420	1.47	37.29	29.51	0.42
turbone	29	29	Max WS	IC_TR030_TP03H	47.80	62.04	64.72		64.83	0.003579	1.45	32.99	27.54	0.42
turbone	29	29	Max WS	IC_TR030_TP06H	26.40	62.04	64.09		64.20	0.004902	1.44	18.33	19.37	0.47
turbone	29	29	Max WS	IC_TR200_TP08H	33.45	62.04	64.34		64.45	0.004155	1.42	23.59	22.64	0.44
turbone	28	28	Max WS	IC_TR200_TP01H	82.79	61.33	63.90	64.06	64.78	0.029619	4.16	19.92	15.24	1.16
turbone	28	28	Max WS	IC_TR200_TP03H	74.90	61.33	63.78	63.95	64.65	0.030776	4.12	18.18	14.49	1.17
turbone	28	28	Max WS	IC_TR030_TP04H	39.00	61.33	63.21	63.31	63.86	0.031314	3.58	10.90	10.85	1.14
turbone	28	28	Max WS	IC_TR200_TP06H	44.25	61.33	63.31	63.42	64.00	0.031549	3.69	11.99	11.47	1.15
turbone	28	28	Max WS	IC_TR030_TP01H	54.80	61.33	63.48	63.62	64.25	0.032195	3.90	14.05	12.56	1.18
turbone	28	28	Max WS	IC_TR030_TP03H	47.80	61.33	63.36	63.49	64.09	0.032007	3.77	12.66	11.84	1.17
turbone	28	28	Max WS	IC_TR030_TP06H	26.40	61.33	62.95	62.99	63.46	0.028645	3.18	8.30	9.21	1.07
turbone	28	28	Max WS	IC_TR200_TP08H	33.60	61.33	63.10	63.18	63.70	0.030312	3.42	9.82	10.21	1.11
turbone	27	27	Max WS	IC_TR200_TP01H	82.00	60.82	63.51		63.85	0.008279	2.60	31.54	20.27	0.67
turbone	27	27	Max WS	IC_TR200_TP03H	74.90	60.82	63.38		63.72	0.008668	2.58	29.01	19.51	0.68
turbone	27	27	Max WS	IC_TR030_TP04H	39.00	60.82	62.62		62.93	0.012279	2.45	15.89	14.94	0.76
turbone	27	27	Max WS	IC_TR200_TP06H	44.04	60.82	62.74		63.05	0.011633	2.49	17.69	15.64	0.75
turbone	27	27	Max WS	IC_TR030_TP01H	54.80	60.82	62.95		63.29	0.010896	2.58	21.24	16.95	0.74
turbone	27	27	Max WS	IC_TR030_TP03H	47.80	60.82	62.81		63.14	0.011629	2.55	18.78	16.05	0.75
turbone	27	27	Max WS	IC_TR030_TP06H	26.40	60.82	62.27		62.56	0.015742	2.40	10.98	12.82	0.83
turbone	27	27	Max WS	IC_TR200_TP08H	33.43	60.82	62.47		62.77	0.013431	2.43	13.77	14.06	0.78
turbone	26	26	Max WS	IC_TR200_TP01H	81.71	60.10	63.41		63.55	0.003354	1.66	49.31	32.04	0.43
turbone	26	26	Max WS	IC_TR200_TP03H	74.90	60.10	63.28		63.42	0.003164	1.65	45.50	28.48	0.42
turbone	26	26	Max WS	IC_TR030_TP04H	38.99	60.10	62.38		62.52	0.005649	1.66	23.43	22.74	0.52
turbone	26	26	Max WS	IC_TR200_TP06H	43.97	60.10	62.53		62.67	0.004657	1.64	26.88	23.04	0.48
turbone	26	26	Max WS	IC_TR030_TP01H	54.80	60.10	62.80		62.94	0.003801	1.65	33.13	23.76	0.45
turbone	26	26	Max WS	IC_TR030_TP03H	47.80	60.10	62.62		62.76	0.004368	1.65	28.94	23.21	0.47
turbone	26	26	Max WS	IC_TR030_TP06H	26.40	60.10	61.92		62.08	0.006737	1.76	15.03	15.44	0.57
turbone	26	26	Max WS	IC_TR200_TP08H	33.33	60.10	62.19		62.34	0.005545	1.71	19.44	17.83	0.52
turbone	25	25	Max WS	IC_TR200_TP01H	86.20	59.46	61.85	62.07	62.64	0.041580	3.93	21.94	26.23	1.37
turbone	25	25	Max WS	IC_TR200_TP03H	74.90	59.46	61.58	61.96	62.66	0.041652	4.59	16.30	15.10	1.41
turbone	25	25	Max WS	IC_TR030_TP04H	39.00	59.46	61.21	61.33	61.83	0.030552	3.50	11.14	12.24	1.17
turbone	25	25	Max WS	IC_TR200_TP06H	44.29	59.46	61.29	61.43	61.96	0.031324	3.64	12.16	12.86	1.20
turbone	25	25	Max WS	IC_TR030_TP01H	54.80	59.46	61.40	61.67	62.22	0.035700	4.02	13.62	13.69	1.29
turbone	25	25	Max WS	IC_TR030_TP03H	47.80	59.46	61.32	61.49	62.06	0.033597	3.81	12.56	13.09	1.24
turbone	25	25	Max WS	IC_TR030_TP06H	26.40	59.46	61.02	61.03	61.46	0.024663	2.95	8.95	10.80	1.03
turbone	25	25	Max WS	IC_TR200_TP08H	33.56	59.46	61.14	61.21	61.68	0.027358	3.24	10.35	11.74	1.10
turbone	24	24	Max WS	IC_TR200_TP01H	86.01	59.23	60.91	60.88	61.35	0.020072	2.91	29.53	32.12	0.97
turbone	24	24	Max WS	IC_TR200_TP03H	74.90	59.23	60.83	60.79	61.23	0.020040	2.79	26.86	31.14	0.96
turbone	24	24	Max WS	IC_TR030_TP04H	39.00	59.23	60.52		60.77	0.017973	2.18	17.88	27.61	0.87
turbone	24	24	Max WS	IC_TR200_TP06H	43.99	59.23	60.58		60.84	0.017920	2.27	19.41	26.24	0.87
turbone	24	24	Max WS	IC_TR030_TP01H	54.80	59.23	60.66		60.98	0.019626	2.51	21.84	29.22	0.93
turbone	24	24	Max WS	IC_TR030_TP03H	47.80	59.23	60.60		60.89	0.018979	2.37	20.14	28.54	0.90
turbone	24	24	Max WS	IC_TR030_TP06H	26.40	59.23	60.37		60.56	0.017937	1.92	13.78	25.82	0.84
turbone	24	24	Max WS	IC_TR200_TP08H	33.35	59.23	60.47		60.68	0.016948	2.03	16.41	26.98	0.83
turbone	23	23	Max WS	IC_TR200_TP01H	85.08	58.57	60.53		60.78	0.012589	2.25	37.75	42.92	0.77
turbone	23	23	Max WS	IC_TR200_TP03H	74.90	58.57	60.42		60.67	0.011948	2.23	33.52	37.01	0.75
turbone	23	23	Max WS	IC_TR030_TP04H	38.99	58.57	60.03		60.22	0.015496	1.94	20.07	33.23	0.80
turbone	23	23	Max WS	IC_TR200_TP06H	43.96	58.57	60.10		60.30	0.014197	1.97	22.29	33.77	0.78
turbone	23	23	Max WS	IC_TR030_TP01H	54.80	58.57	60.22		60.44	0.012759	2.06	26.58	34.77	0.75
turbone	23	23	Max WS	IC_TR030_TP03H	47.80	58.57	60.14		60.35	0.014135	2.03	23.55	34.06	0.78
turbone	23	23	Max WS	IC_TR030_TP06H	26.39	58.57	59.89		60.04	0.014377	1.71	15.47	29.38	0.75
turbone	23	23	Max WS	IC_TR200_TP08H	33.31	58.57	59.98		60.15	0.015056	1.83	18.19	32.19	0.78
turbone	21		Max WS	IC_TR200_TP01H	85.06	55.13	57.46		57.89	0.014562	2.90	29.35	25.26	0.86
turbone	21		Max WS	IC_TR200_TP03H	74.90	55.13	57.35		57.76	0.014908	2.82	26.57	24.24	0.86
turbone	21		Max WS	IC_TR030_TP04H	39.00	55.13	56.86		57.15	0.013168	2.41	16.15	16.77	0.79
turbone	21		Max WS	IC_TR200_TP06H	43.93	55.13	56.97		57.27	0.012786	2.42	18.16	18.45	0.78
turbone	21		Max WS	IC_TR030_TP01H	54.80	55.13	57.11		57.46	0.015319	2.60	21.05	22.08	0.85
turbone	21		Max WS	IC_TR030_TP03H	47.79	55.13	57.02		57.34	0.013689	2.50	19.15	19.59	0.81
turbone	21		Max WS	IC_TR030_TP06H	26.41	55.13	56.52		56.80	0.015637	2.37	11.15	13.52	0.83
turbone	21		Max WS	IC_TR200_TP08H	33.36	55.13	56.73		57.01	0.012780	2.35	14.19	14.95	0.77
turbone	20		Max WS	IC_TR200_TP01H	85.06	54.23	57.06		57.43	0.011335	2.68	31.76	24.73	0.75
turbone	20		Max WS	IC_TR200_TP03H	74.90	54.23	56.94		57.29	0.011610	2.59	28.87	24.01	0.76
turbone	20		Max WS	IC_TR030_TP04H	39.00	54.23	56.30		56.64	0.016495	2.59	15.07	16.04	0.85
turbone	20		Max WS	IC_TR200_TP06H	43.96	54.23	56.46		56.76	0.015367	2.42	18.17	20.62	0.82
turbone	20		Max WS	IC_TR030_TP01H	54.80	54.23	56.64		56.96	0.013847	2.50	21.93	21.97	0.80
turbone	20		Max WS	IC_TR030_TP03H	47.79	54.23	56.50		56.83	0.016348	2.54	18.84	20.86	0.85
turbone	20		Max WS	IC_TR030_TP06H	26.41	54.23	55.84		56.23	0.017626	2.76	9.57	9.27	0.87
turbone	20		Max WS	IC_TR200_TP08H	33.41	54.23	56.11		56.48	0.016710	2.69	12.40	12.26	0.86
turbone	19		Max WS	IC_TR200_TP01H	85.06	53.40	55.79	55.84	56.44	0.024758	3.57	23.80	21.88	1.09
turbone	19		Max WS	IC_TR200_TP03H	74.90	53.40	55.69	55.74	56.30	0.024460	3.44	21.75	20.92	1.08
turbone	19		Max WS	IC_TR030_TP04H	39.00	53.40	55.05	55.05	55.59	0.021926	3.25	12.00	11.31	1.01
turbone	19		Max WS	IC_TR200_TP06H	44.34	53.40	55.18	55.16	55.73	0.020558	3.28	13.50	11.92	0.99
turbone	19		Max WS	IC_TR030_TP01H	54.80	53.40	55.36	55.50	55.98	0.020525	3.47	15.78</		

HEC-RAS River: turbone Reach: turbone Profile: Max WS (Continued)

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
turbone	18	Max WS	IC_TR200_TP01H	85.06	52.77	54.87	54.92	55.47	0.025846	3.44	24.76	24.35	1.09
turbone	18	Max WS	IC_TR200_TP03H	74.90	52.77	54.80	54.83	55.34	0.025282	3.25	23.01	24.19	1.07
turbone	18	Max WS	IC_TR030_TP04H	38.97	52.77	54.30	54.26	54.74	0.021070	2.95	13.21	13.62	0.96
turbone	18	Max WS	IC_TR200_TP06H	44.14	52.77	54.39	54.36	54.87	0.020981	3.06	14.42	14.00	0.96
turbone	18	Max WS	IC_TR030_TP01H	54.79	52.77	54.63	54.63	55.05	0.024367	2.89	18.98	23.27	1.02
turbone	18	Max WS	IC_TR030_TP03H	47.79	52.77	54.52	54.53	54.94	0.023724	2.86	16.71	20.18	1.00
turbone	18	Max WS	IC_TR030_TP06H	26.41	52.77	54.10		54.42	0.019002	2.50	10.58	13.07	0.89
turbone	18	Max WS	IC_TR200_TP08H	33.42	52.77	54.23		54.61	0.019239	2.72	12.30	13.43	0.91
turbone	17	Max WS	IC_TR200_TP01H	85.04	51.02	53.03		53.36	0.010360	2.53	33.57	27.75	0.74
turbone	17	Max WS	IC_TR200_TP03H	74.89	51.02	52.90		53.22	0.011328	2.49	30.08	27.35	0.76
turbone	17	Max WS	IC_TR030_TP04H	39.00	51.02	52.38		52.65	0.015443	2.31	16.92	21.91	0.84
turbone	17	Max WS	IC_TR200_TP06H	43.58	51.02	52.48		52.74	0.013509	2.26	19.25	23.16	0.79
turbone	17	Max WS	IC_TR030_TP01H	54.79	51.02	52.62		52.92	0.013601	2.41	22.70	24.88	0.81
turbone	17	Max WS	IC_TR030_TP03H	47.79	51.02	52.52		52.81	0.014364	2.37	20.14	23.61	0.82
turbone	17	Max WS	IC_TR030_TP06H	26.41	51.02	52.15		52.39	0.017003	2.14	12.32	19.18	0.85
turbone	17	Max WS	IC_TR200_TP08H	33.08	51.02	52.30		52.54	0.014753	2.17	15.27	20.98	0.81
turbone	16	Max WS	IC_TR200_TP01H	85.04	48.91	51.22		51.65	0.014065	2.90	29.31	24.01	0.84
turbone	16	Max WS	IC_TR200_TP03H	74.89	48.91	51.13		51.52	0.013058	2.74	27.32	23.00	0.80
turbone	16	Max WS	IC_TR030_TP04H	39.00	48.91	50.73		50.94	0.008945	2.05	18.98	18.19	0.64
turbone	16	Max WS	IC_TR200_TP06H	43.68	48.91	50.81		51.04	0.009098	2.12	20.56	19.19	0.66
turbone	16	Max WS	IC_TR030_TP01H	54.79	48.91	50.94		51.23	0.010727	2.38	23.07	20.69	0.72
turbone	16	Max WS	IC_TR030_TP03H	47.79	48.91	50.85		51.11	0.009914	2.24	21.35	19.67	0.69
turbone	16	Max WS	IC_TR030_TP06H	26.40	48.91	50.49		50.65	0.007685	1.77	14.94	16.20	0.59
turbone	16	Max WS	IC_TR200_TP08H	33.09	48.91	50.64		50.82	0.007920	1.90	17.41	17.23	0.60
turbone	15	Max WS	IC_TR200_TP01H	85.04	48.53	50.56	50.50	51.08	0.018047	3.20	26.61	22.80	0.94
turbone	15	Max WS	IC_TR200_TP03H	74.89	48.53	50.43	50.40	50.94	0.019516	3.16	23.71	21.96	0.97
turbone	15	Max WS	IC_TR030_TP04H	39.00	48.53	49.95	49.97	50.35	0.024587	2.80	13.95	18.57	1.03
turbone	15	Max WS	IC_TR200_TP06H	44.51	48.53	50.06	50.04	50.46	0.021598	2.78	16.04	19.56	0.98
turbone	15	Max WS	IC_TR030_TP01H	54.79	48.53	50.17	50.17	50.63	0.022704	3.02	18.16	20.25	1.02
turbone	15	Max WS	IC_TR030_TP03H	47.79	48.53	50.08	50.08	50.52	0.023681	2.93	16.31	19.65	1.03
turbone	15	Max WS	IC_TR030_TP06H	26.40	48.53	49.75	49.74	50.08	0.024857	2.55	10.35	15.92	1.01
turbone	15	Max WS	IC_TR200_TP08H	33.74	48.53	49.90	49.88	50.25	0.022398	2.60	12.95	17.88	0.98
turbone	14	Max WS	IC_TR200_TP01H	85.03	47.15	50.00		50.25	0.005201	2.18	38.95	22.59	0.53
turbone	14	Max WS	IC_TR200_TP03H	74.89	47.15	49.81		50.05	0.005612	2.16	34.66	21.70	0.55
turbone	14	Max WS	IC_TR030_TP04H	39.00	47.15	48.98		49.21	0.009379	2.13	18.35	17.56	0.66
turbone	14	Max WS	IC_TR200_TP06H	44.07	47.15	49.12		49.35	0.008407	2.12	20.80	18.43	0.64
turbone	14	Max WS	IC_TR030_TP01H	54.79	47.15	49.37		49.60	0.007213	2.15	25.51	19.64	0.60
turbone	14	Max WS	IC_TR030_TP03H	47.78	47.15	49.20		49.43	0.008078	2.14	22.32	18.88	0.63
turbone	14	Max WS	IC_TR030_TP06H	26.40	47.15	48.66		48.87	0.011764	2.04	12.92	15.54	0.72
turbone	14	Max WS	IC_TR200_TP08H	33.46	47.15	48.85		49.07	0.010123	2.09	16.05	16.73	0.68
turbone	13	Max WS	IC_TR200_TP01H	85.03	45.54	48.47		49.12	0.017333	3.56	23.86	15.87	0.93
turbone	13	Max WS	IC_TR200_TP03H	74.88	45.54	48.33		48.94	0.016591	3.44	21.76	14.68	0.90
turbone	13	Max WS	IC_TR030_TP04H	39.00	45.54	47.73		48.11	0.012759	2.73	14.27	11.04	0.77
turbone	13	Max WS	IC_TR200_TP06H	43.66	45.54	47.90		48.27	0.011081	2.69	16.22	11.50	0.72
turbone	13	Max WS	IC_TR030_TP01H	54.78	45.54	48.00		48.51	0.014483	3.16	17.32	11.75	0.83
turbone	13	Max WS	IC_TR030_TP03H	47.78	45.54	47.88		48.34	0.013892	2.99	15.96	11.44	0.81
turbone	13	Max WS	IC_TR030_TP06H	26.40	45.54	47.47		47.74	0.011025	2.29	11.51	10.50	0.70
turbone	13	Max WS	IC_TR200_TP08H	32.93	45.54	47.69		47.98	0.009856	2.37	13.88	10.96	0.67
turbone	12,331	Max WS	IC_TR200_TP01H	85.03	45.41	47.79	47.74	48.39	0.018510	3.42	24.85	19.56	0.97
turbone	12,331	Max WS	IC_TR200_TP03H	74.88	45.41	47.69	47.62	48.23	0.017759	3.26	22.96	18.83	0.94
turbone	12,331	Max WS	IC_TR030_TP04H	38.98	45.41	47.21		47.55	0.014536	2.60	15.00	14.89	0.83
turbone	12,331	Max WS	IC_TR200_TP06H	44.27	45.41	47.29		47.67	0.014636	2.72	16.30	15.18	0.84
turbone	12,331	Max WS	IC_TR030_TP01H	54.78	45.41	47.43		47.88	0.015770	2.97	18.41	15.78	0.88
turbone	12,331	Max WS	IC_TR030_TP03H	47.78	45.41	47.34		47.74	0.014982	2.81	17.01	15.32	0.85
turbone	12,331	Max WS	IC_TR030_TP06H	26.40	45.41	46.96		47.23	0.014596	2.31	11.44	13.67	0.81
turbone	12,331	Max WS	IC_TR200_TP08H	33.60	45.41	47.11		47.42	0.014601	2.49	13.51	14.40	0.82
turbone	10,99												
turbone	10,98												
turbone	10	Max WS	IC_TR200_TP01H	79.30	43.16	45.35	45.31	45.83	0.018658	3.08	25.77	23.80	0.94
turbone	10	Max WS	IC_TR200_TP03H	70.11	43.16	45.27	45.23	45.71	0.018984	2.95	23.74	23.80	0.94
turbone	10	Max WS	IC_TR030_TP04H	37.78	43.16	44.89		45.21	0.020246	2.51	15.03	20.40	0.94
turbone	10	Max WS	IC_TR200_TP06H	41.85	43.16	45.04		45.30	0.015151	2.28	18.34	23.11	0.82
turbone	10	Max WS	IC_TR030_TP01H	51.93	43.16	45.08		45.45	0.019504	2.67	19.43	23.30	0.93
turbone	10	Max WS	IC_TR030_TP03H	45.59	43.16	45.01		45.35	0.019659	2.56	17.82	23.02	0.93
turbone	10	Max WS	IC_TR030_TP06H	26.30	43.16	44.69		44.96	0.018183	2.28	11.52	16.71	0.88
turbone	10	Max WS	IC_TR200_TP08H	32.31	43.16	44.86		45.12	0.014127	2.23	14.46	17.82	0.79
turbone	9	Max WS	IC_TR200_TP01H	63.39	42.64	45.04		45.30	0.006979	2.23	28.43	18.81	0.58
turbone	9	Max WS	IC_TR200_TP03H	55.91	42.64	44.93		45.16	0.006977	2.13	26.26	18.81	0.58
turbone	9	Max WS	IC_TR030_TP04H	30.08	42.64	44.45		44.60	0.007671	1.74	17.27	18.81	0.58
turbone	9	Max WS	IC_TR200_TP06H	34.13	42.64	44.51		44.68	0.008103	1.86	18.37	18.81	0.60
turbone	9	Max WS	IC_TR030_TP01H	41.41	42.64	44.67		44.86	0.007328	1.94	21.39	18.81	0.58
turbone	9	Max WS	IC_TR030_TP03H	36.44	42.64	44.56		44.74	0.007729	1.88	19.42	18.81	0.59
turbone	9	Max WS	IC_TR030_TP06H	20.76	42.64	44.28		44.39	0.006554	1.47	14.12	17.72	0.53
turbone	9	Max WS	IC_TR200_TP08H	26.16	42.64	44.38		44.52	0.007270	1.63	16.02	18.52	0.56
turbone	8	Max WS	IC_TR200_TP01H	85.00	41.54	44.18		44.48	0.008539	2.39	35.61	26.73	0.66
turbone	8	Max WS	IC_TR200_TP03H	74.87	41.54	44.07		44.34	0.008825	2.31	32.48	26.46	0.66
turbone	8	Max WS	IC_TR030_TP04H	38.95	41.54	43.63		43.80	0.008294	1.82	21.44	23.88	0.61
turbone	8	Max WS	IC_TR200_TP06H	44.35	41.54	43.71		43.89	0.008412	1.91	23.28	24.40	0.62
turbone	8	Max WS	IC_TR030_TP01H	54.77	41.54	43.82		44.05	0.009065	2.09	26.15	25.15	0.66
turbone	8	Max WS	IC_TR030_TP03H	47.77	41.54	43.74		43.94	0.008698	1.97	24.19	24.64	0.64
turbone	8	Max WS	IC_TR030_TP06H	26.40	41.54	43.32		43.49	0.012915	1.84	14.33	21.75	0.72
turbone	8	Max WS	IC_TR200_TP08H	33.60	41.54	43.47		43.65	0.011163	1.91	17.61	22.76	0.69
turbone	7	Max WS	IC_TR200_TP01H	84.99	40.68	43.58		43.91	0.008972	2.57	33.07	22.30	0.67
turbone	7	Max WS	IC_TR200_TP03H	74.87	40.68	43.45		43.76	0.009081	2.47	30.36	22.05	0.67
turbone	7	Max WS	IC_TR030_TP04H	38.91	40.68	42.82		43.09	0.013587	2.31	16.83	18.38	0.77
turbone	7	Max WS	IC_TR200_TP06H	44.59	40.68	42.95		43.22	0.012735	2.27	19.61	21.05	0.75
turbone	7	Max WS	IC_TR030_TP01H	54.76	40.68	43.15		43.42	0.010394	2.30	23.82	21.45	0.70



HEC-RAS River: turbone Reach: turbone Profile: Max WS (Continued)

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
turbone	7	Max WS	IC_TR030_TP03H	47.76	40.68	43.02		43.28	0.011796	2.28	20.99	21.18	0.73
turbone	7	Max WS	IC_TR030_TP06H	26.40	40.68	42.38		42.66	0.012935	2.34	11.27	11.41	0.75
turbone	7	Max WS	IC_TR200_TP08H	33.80	40.68	42.56		42.89	0.012564	2.52	13.39	11.68	0.75
turbone	6	Max WS	IC_TR200_TP01H	84.98	39.85	42.66		43.05	0.010338	2.76	30.83	20.89	0.72
turbone	6	Max WS	IC_TR200_TP03H	74.86	39.85	42.48		42.87	0.010952	2.75	27.19	19.15	0.74
turbone	6	Max WS	IC_TR030_TP04H	38.86	39.85	41.74		42.05	0.009653	2.46	15.83	11.73	0.67
turbone	6	Max WS	IC_TR200_TP06H	44.54	39.85	41.84		42.19	0.010354	2.62	17.02	12.02	0.70
turbone	6	Max WS	IC_TR030_TP01H	54.76	39.85	42.05		42.45	0.011392	2.77	19.78	13.94	0.74
turbone	6	Max WS	IC_TR030_TP03H	47.76	39.85	41.91		42.28	0.010761	2.67	17.88	12.65	0.72
turbone	6	Max WS	IC_TR030_TP06H	26.40	39.85	41.48		41.70	0.008407	2.06	12.79	11.33	0.62
turbone	6	Max WS	IC_TR200_TP08H	33.59	39.85	41.67		41.93	0.008398	2.23	15.05	11.65	0.63
turbone	5.99												
					Lat Struct								
turbone	5.98												
					Lat Struct								
turbone	5	Max WS	IC_TR200_TP01H	84.98	39.17	41.55	41.56	42.16	0.020879	3.47	24.47	20.53	1.02
turbone	5	Max WS	IC_TR200_TP03H	74.86	39.17	41.47	41.43	42.01	0.019159	3.25	23.00	19.93	0.97
turbone	5	Max WS	IC_TR030_TP04H	38.77	39.17	41.06		41.38	0.014036	2.48	15.61	15.94	0.80
turbone	5	Max WS	IC_TR200_TP06H	44.32	39.17	41.18		41.51	0.013698	2.52	17.57	17.27	0.80
turbone	5	Max WS	IC_TR030_TP01H	54.76	39.17	41.31		41.70	0.015441	2.77	19.78	18.55	0.86
turbone	5	Max WS	IC_TR030_TP03H	47.76	39.17	41.23		41.57	0.014291	2.60	18.34	17.77	0.82
turbone	5	Max WS	IC_TR030_TP06H	26.40	39.17	40.74		41.03	0.015088	2.39	11.03	12.42	0.81
turbone	5	Max WS	IC_TR200_TP08H	33.58	39.17	40.95		41.25	0.014102	2.43	13.84	14.64	0.80
turbone	4	Max WS	IC_TR200_TP01H	84.98	38.20	40.74		41.05	0.013466	2.49	34.09	34.08	0.80
turbone	4	Max WS	IC_TR200_TP03H	74.86	38.20	40.63		40.94	0.014830	2.45	30.55	33.79	0.82
turbone	4	Max WS	IC_TR030_TP04H	38.81	38.20	39.98		40.38	0.019435	2.79	13.89	14.76	0.92
turbone	4	Max WS	IC_TR200_TP06H	44.25	38.20	40.15		40.50	0.020547	2.62	16.90	21.13	0.94
turbone	4	Max WS	IC_TR030_TP01H	54.75	38.20	40.36		40.68	0.019037	2.51	21.80	27.83	0.91
turbone	4	Max WS	IC_TR030_TP03H	47.76	38.20	40.23		40.56	0.019882	2.57	18.61	23.56	0.92
turbone	4	Max WS	IC_TR030_TP06H	26.40	38.20	39.70		40.04	0.018520	2.58	10.22	11.60	0.88
turbone	4	Max WS	IC_TR200_TP08H	33.52	38.20	39.93		40.26	0.016585	2.55	13.14	14.16	0.85
turbone	3	Max WS	IC_TR200_TP01H	84.87	37.38	40.05		40.41	0.011853	2.65	32.06	26.79	0.77
turbone	3	Max WS	IC_TR200_TP03H	74.85	37.38	39.92		40.27	0.011171	2.60	28.80	23.57	0.75
turbone	3	Max WS	IC_TR030_TP04H	17.21	37.38	39.59		39.62	0.001070	0.80	21.57	17.67	0.23
turbone	3	Max WS	IC_TR200_TP06H	44.25	37.38	39.32		39.66	0.012623	2.58	17.14	15.31	0.78
turbone	3	Max WS	IC_TR030_TP01H	54.75	37.38	39.53		39.89	0.012192	2.67	20.52	17.04	0.78
turbone	3	Max WS	IC_TR030_TP03H	47.76	37.38	39.39		39.74	0.012547	2.63	18.17	15.72	0.78
turbone	3	Max WS	IC_TR030_TP06H	26.40	37.38	38.95		39.21	0.013303	2.23	11.85	13.78	0.77
turbone	3	Max WS	IC_TR200_TP08H	33.05	37.38	39.51		39.65	0.004604	1.63	20.21	16.85	0.48
turbone	2	Max WS	IC_TR200_TP01H	84.74	36.27	38.97		39.29	0.007911	2.50	33.92	22.29	0.65
turbone	2	Max WS	IC_TR200_TP03H	74.83	36.27	38.78		39.10	0.009153	2.52	29.75	21.77	0.69
turbone	2	Max WS	IC_TR030_TP04H	14.49	36.27	39.54		39.55	0.000087	0.31	47.15	23.87	0.07
turbone	2	Max WS	IC_TR200_TP06H	44.25	36.27	38.15		38.44	0.008906	2.38	18.59	14.36	0.67
turbone	2	Max WS	IC_TR030_TP01H	54.74	36.27	38.37		38.69	0.008949	2.50	21.92	15.81	0.68
turbone	2	Max WS	IC_TR030_TP03H	47.76	36.27	38.22		38.52	0.008821	2.43	19.69	14.65	0.67
turbone	2	Max WS	IC_TR030_TP06H	26.40	36.27	37.72		37.94	0.009115	2.05	12.87	12.73	0.65
turbone	2	Max WS	IC_TR200_TP08H	3.12	36.27	39.43		39.43	0.000005	0.07	44.55	23.57	0.02
turbone	1	Max WS	IC_TR200_TP01H	84.94	36.08	38.95	37.92	39.17	0.002767	2.08	40.89	25.93	0.43
turbone	1	Max WS	IC_TR200_TP03H	74.85	36.08	38.77	37.80	38.97	0.002805	1.98	37.75	25.66	0.42
turbone	1	Max WS	IC_TR030_TP04H	11.59	36.08	39.55	36.71	39.55	0.000025	0.23	50.99	26.73	0.04
turbone	1	Max WS	IC_TR200_TP06H	44.25	36.08	38.14	37.42	38.28	0.002927	1.63	27.19	24.40	0.41
turbone	1	Max WS	IC_TR030_TP01H	54.74	36.08	38.37	37.56	38.53	0.002877	1.76	31.05	24.98	0.42
turbone	1	Max WS	IC_TR030_TP03H	47.76	36.08	38.22	37.46	38.37	0.002910	1.68	28.51	24.60	0.41
turbone	1	Max WS	IC_TR030_TP06H	26.40	36.08	37.70	37.12	37.80	0.003046	1.34	19.70	23.19	0.40
turbone	1	Max WS	IC_TR200_TP08H	1.26	36.08	39.43	36.30	39.43	0.000000	0.03	49.10	26.57	0.00
turbone	0.9												
					Bridge								
turbone	0.8	Max WS	IC_TR200_TP01H	84.94	35.94	38.85		39.05	0.002275	1.96	43.30	30.73	0.39
turbone	0.8	Max WS	IC_TR200_TP03H	74.85	35.94	38.68		38.86	0.002232	1.85	40.37	30.59	0.38
turbone	0.8	Max WS	IC_TR030_TP04H	11.57	35.94	39.54		39.54	0.000019	0.21	55.00	31.27	0.04
turbone	0.8	Max WS	IC_TR200_TP06H	44.25	35.94	38.09		38.20	0.002019	1.46	30.35	30.13	0.35
turbone	0.8	Max WS	IC_TR030_TP01H	54.74	35.94	38.31		38.44	0.002111	1.61	34.02	30.30	0.36
turbone	0.8	Max WS	IC_TR030_TP03H	47.76	35.94	38.16		38.28	0.002055	1.51	31.60	30.18	0.35
turbone	0.8	Max WS	IC_TR030_TP06H	26.40	35.94	37.67		37.74	0.001760	1.14	23.20	29.83	0.31
turbone	0.8	Max WS	IC_TR200_TP08H	1.26	35.94	39.43		39.43	0.000000	0.02	53.18	31.18	0.00
turbone	0.5	Max WS	IC_TR200_TP01H	84.94	35.84	38.93	37.46	39.00	0.001000	1.18	72.23	30.86	0.25
turbone	0.5	Max WS	IC_TR200_TP03H	74.85	35.84	38.75	37.38	38.81	0.001000	1.12	66.64	30.72	0.24
turbone	0.5	Max WS	IC_TR030_TP04H	28.16	35.84	38.29	36.87	38.30	0.000297	0.53	52.71	30.36	0.13
turbone	0.5	Max WS	IC_TR200_TP06H	44.25	35.84	38.13	37.09	38.17	0.001001	0.93	47.80	30.23	0.24
turbone	0.5	Max WS	IC_TR030_TP01H	54.74	35.84	38.35	37.20	38.40	0.001000	1.00	54.65	30.41	0.24
turbone	0.5	Max WS	IC_TR030_TP03H	47.76	35.84	38.21	37.13	38.25	0.001001	0.95	50.14	30.29	0.24
turbone	0.5	Max WS	IC_TR030_TP06H	26.40	35.84	37.69	36.84	37.72	0.001002	0.76	34.62	29.91	0.23
turbone	0.5	Max WS	IC_TR200_TP08H	29.98	35.84	39.29	36.90	39.30	0.000079	0.36	83.47	31.15	0.07