

Piano Strutturale Intercomunale CASENTINO



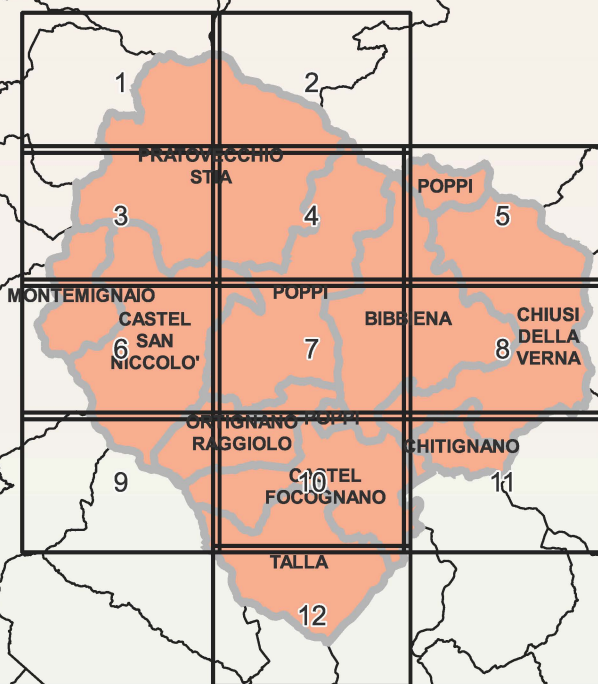
ASPETTO IDRAULICO

Elaborato

REL_04a.1

Data 14/04/2023

Allegati HEC-RAS alla relazione idrologico idraulica



Data di adozione

Data di approvazione

Ente responsabile

Unione dei Comuni Montani del Casentino
(presidente Eleonora Ducci)

Comuni associati

Bibbiena (sindaco Filippo Vagnoli)
Castel Focognano (sindaco Lorenzo Ricci)
Castel San Niccolò (sindaco Antonio Fani)
Chitignano (sindaco Valentina Calbi)
Chiusi della Verna (sindaco Giampaolo Tellini)
Montemignaio (sindaco Roberto Pertichini)
Orignano Raggiolo (sindaco Emanuele Ceccherini)
Poppi (sindaco Carlo Toni)
Pratovecchio Stia (sindaco Niccolò Caleri)
Talla (sindaco Eleonora Ducci)

Responsabile del Procedimento

Samuela Ristori

Ufficio di Piano

Aleandro Carta coordinatore

Beba Fornaciari

Jody Alessandrini

Lorenzo Angioloni

Patrizio Bigoni

Rosaria Coppi

Roberto Fiorini

Carla Giuliani

Gianluca Ricci

Filippo Rialti

Samuela Ristori

Angiolo Tellini

Garante dell'informazione e della partecipazione

Lisa Bucchi

Autorità Competente in materia di VAS

Vinicio Dini

Professionisti incaricati per la pianificazione

Gianfranco Gorelli coordinatore

Aspetti urbanistici

Gianfranco Gorelli

Alessio Tanganelli

Silvia Alberi Alberti

Sarah Melchiorre

Rachele Agostini

Aspetti geologici

PROGEO ENGINEERING

Massimiliano Rossi

Fabio Poggi

Nicolò Batistoni

STUDIO GEOGAMMA

Lucia Brocchi

Daniela Lari

GEO ECO PROGETTI

Eros Aiello

Gabriele Grandini

Aspetti idraulici

PROGEO ENGINEERING

Davide Giovannuzzi

Mirko Frasconi

Matteo Frasconi

Elisa Baldini

STP Soc. coop.

Luca Moretti

Aspetti agro-forestali

Ilaria Scatarzi

Valutazione Ambientale Strategica

SINERGIA Progettazione e Consulenza Ambientale

Luca Gardone

Ilaria Scatarzi

Emanuele Montini

Aspetti archeologici

A.T.S. SRL

Francesco Pericci

Cristina Felici

Aspetti paesaggistici

Luciano Piazza

Aspetti legali

Agostino Zanelli Quarantini

Processo di partecipazione

CRED-ECOMUSEO

Andrea Rossi (gestione del subprocedimento)

SOCIOLAB

Margherita Mugnai

Giulia Maraviglia

Studio sulla mobilità

URBAN LIFE SPIN-OFF

Francesco Alberti (coordinatore)

Sabine Di Silvo

Lorenzo Nofroni

Sara Naldoni

Francesca Casini

Sistema informativo territoriale (SIT)

LDP progetti Gis

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ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIGNANO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

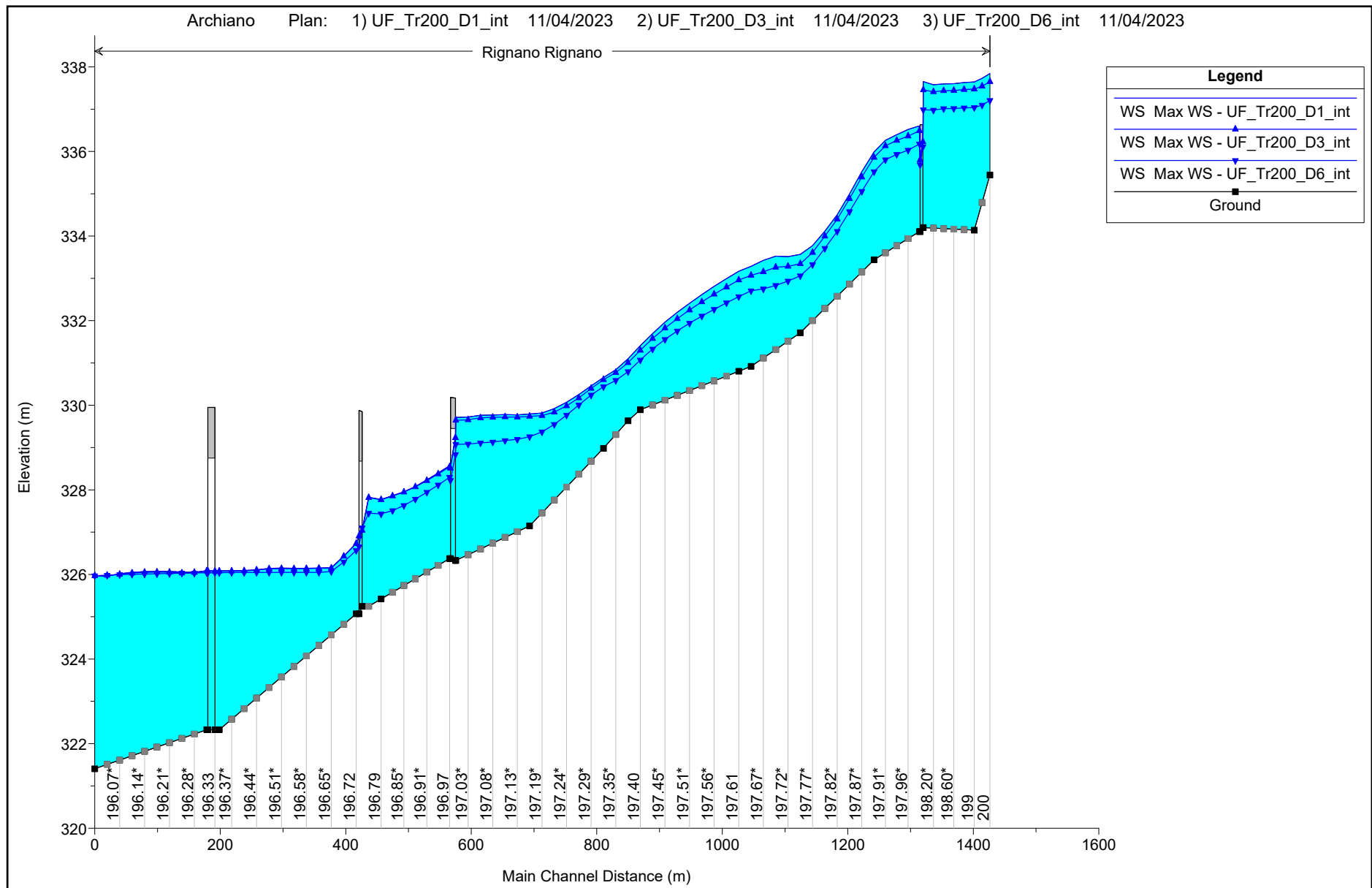
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIGNANO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





ALLEGATI

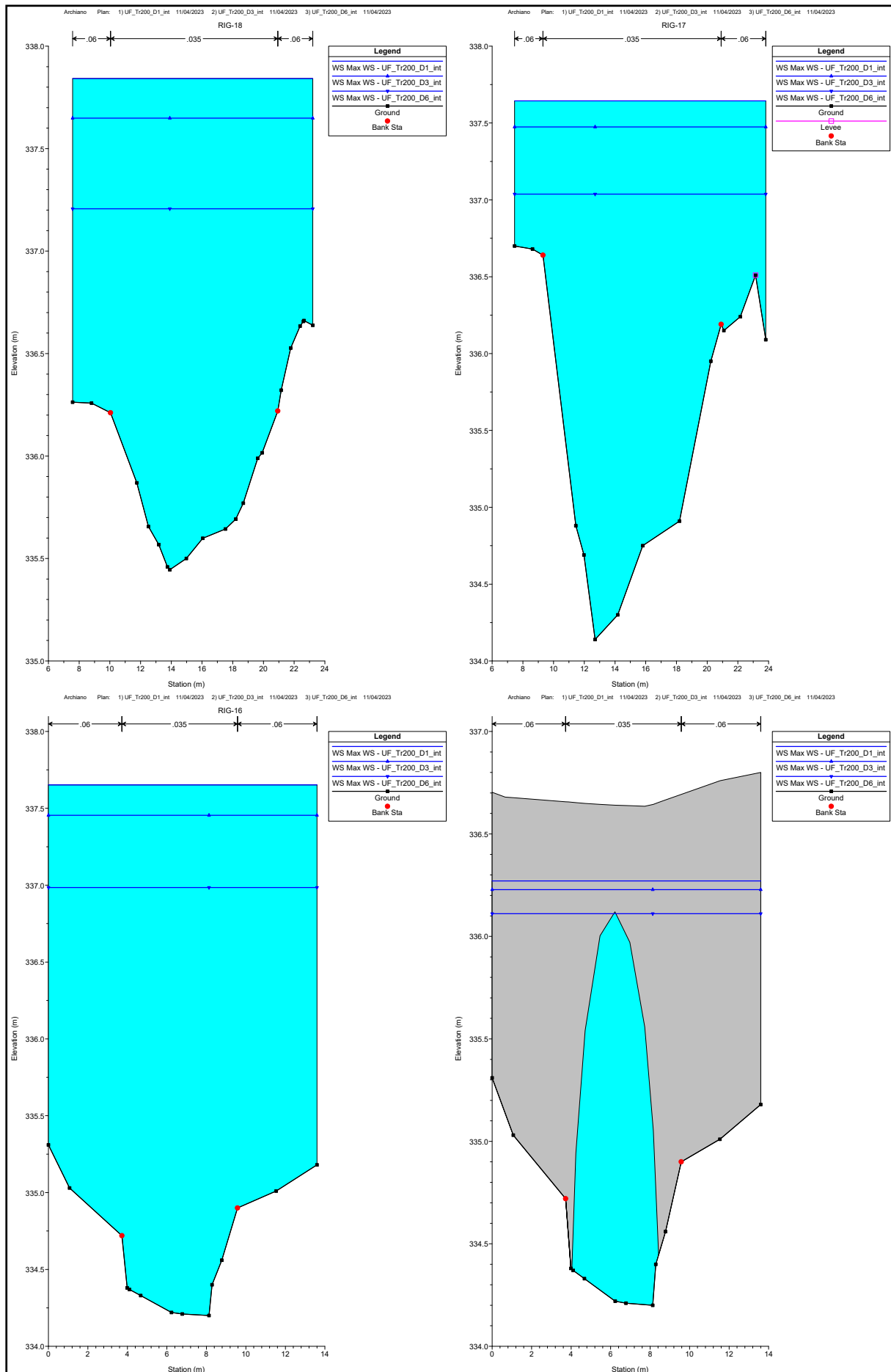
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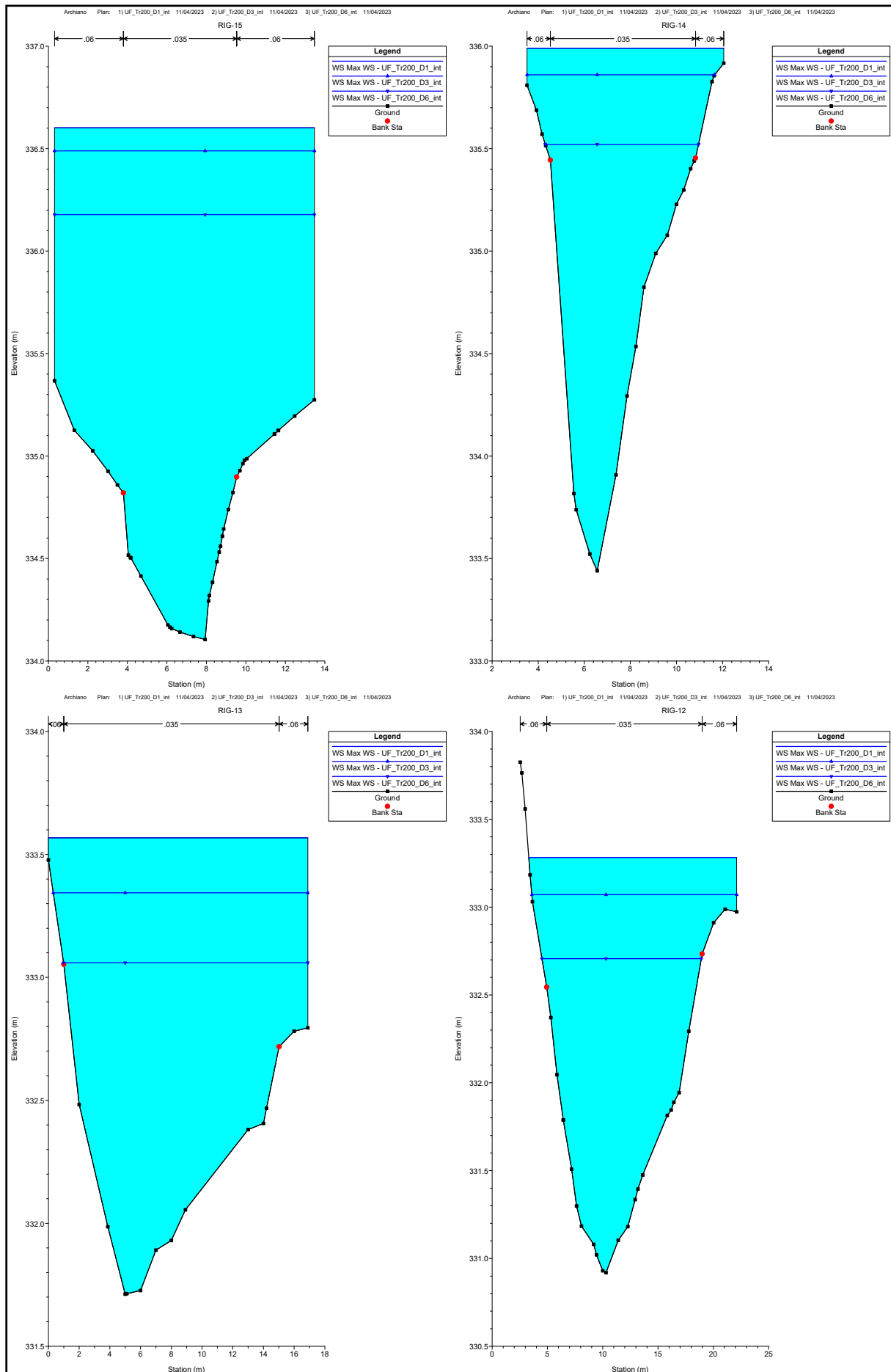
RIGNANO

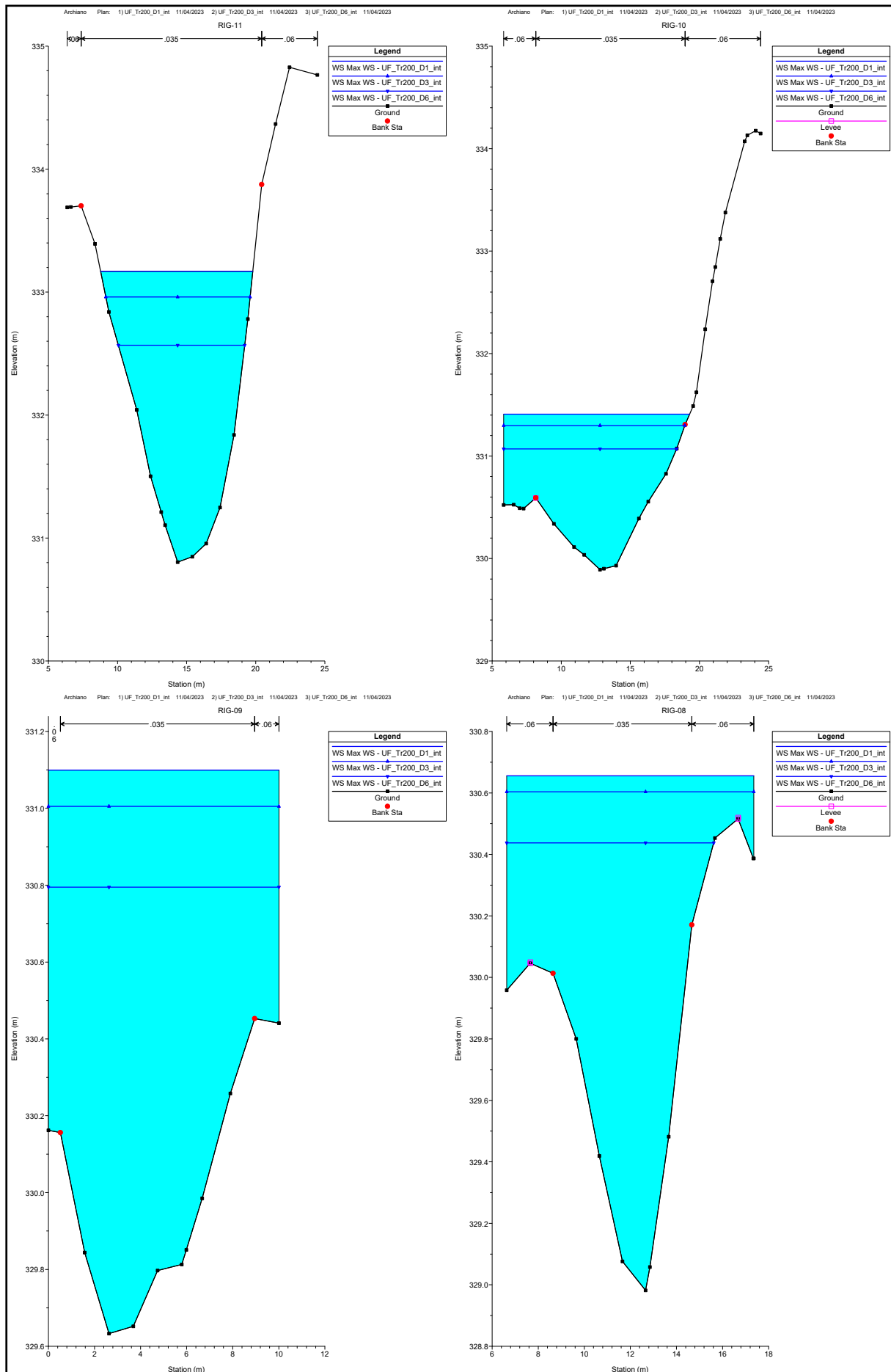
MODELLAZIONE PER TR= 200 anni

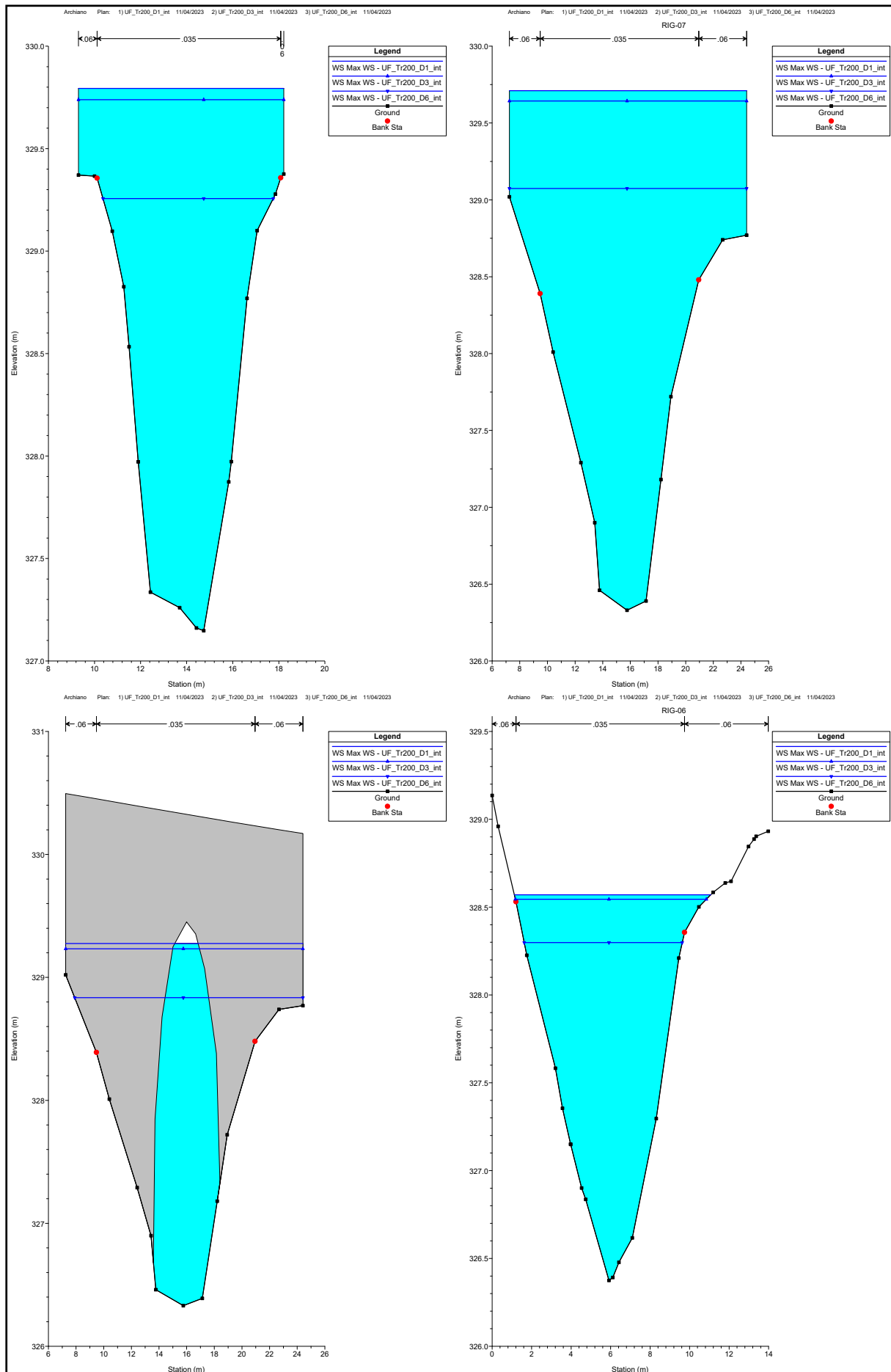
DURATE DI PIOGGIA: 1, 3 e 6 h

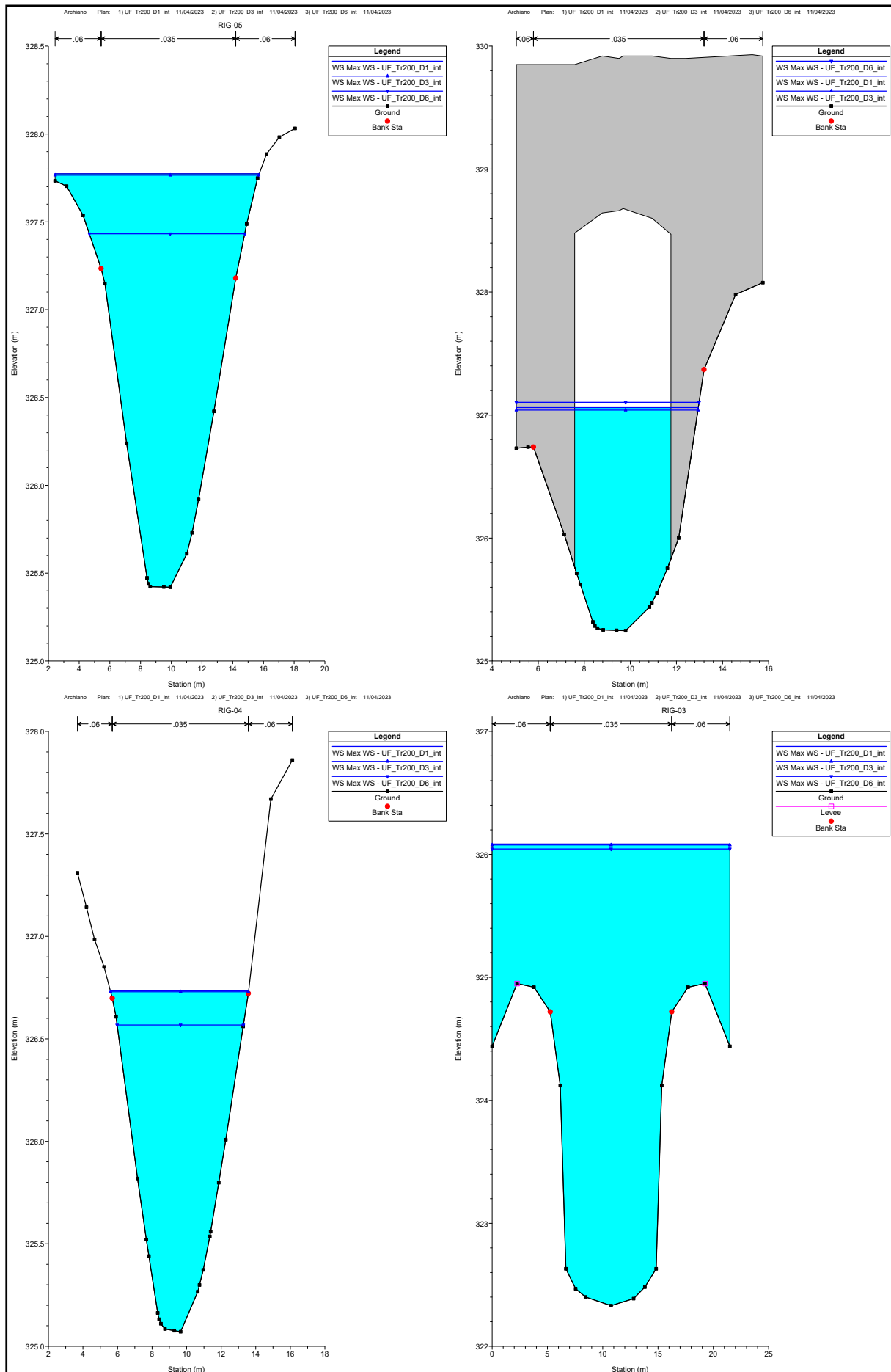
Sezioni Trasversali (da monte verso valle)

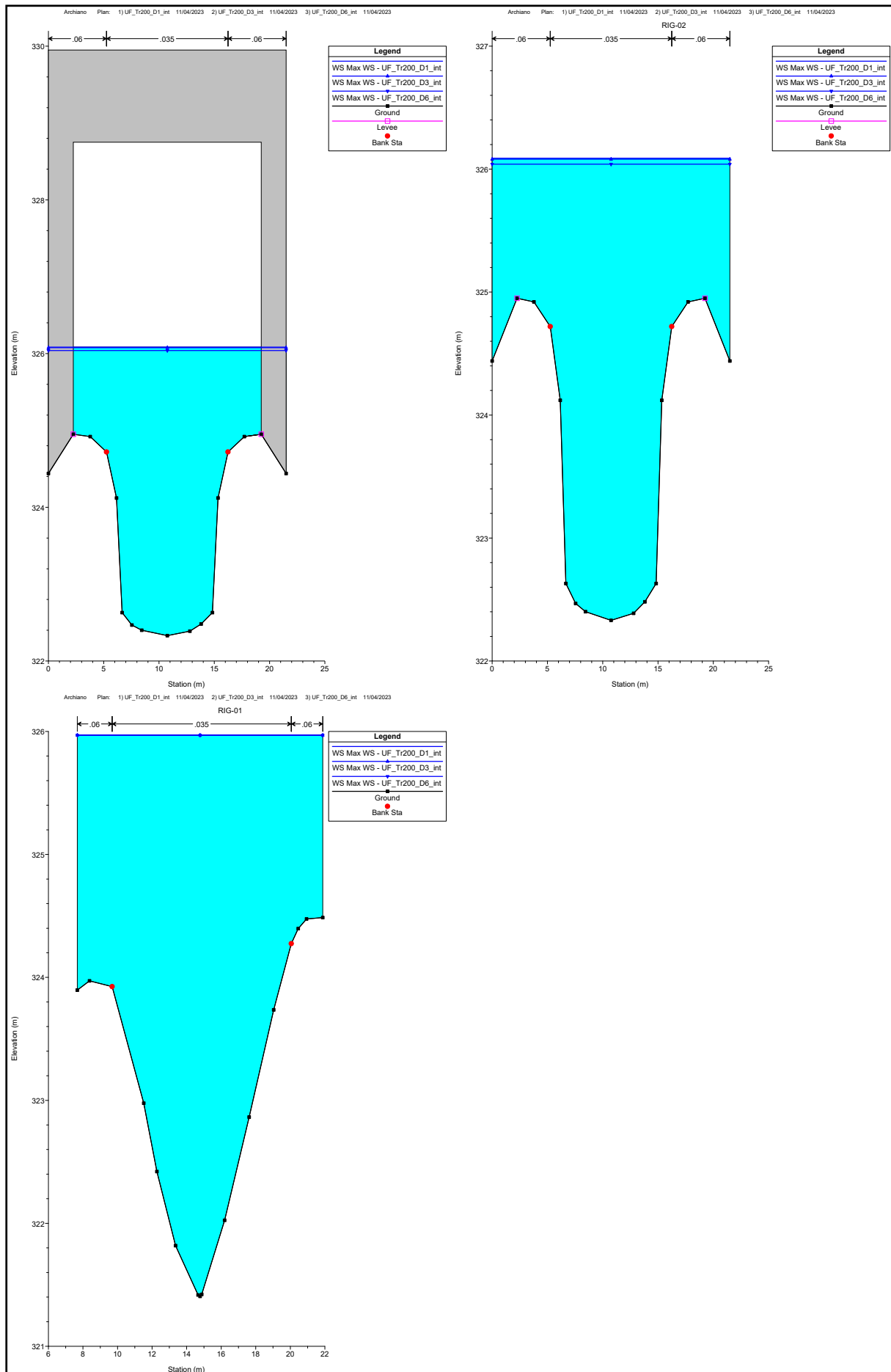














ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIGNANO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	200	Max WS	UF_Tr200_D1_int	53.73	335.44	337.84		338.06	0.002139	2.14	0.76	0.69	29.67	15.64	0.47
Rignano	200	Max WS	UF_Tr200_D3_int	42.10	335.44	337.65		337.81	0.001829	1.86	0.66	0.59	26.65	15.64	0.43
Rignano	200	Max WS	UF_Tr200_D6_int	25.60	335.44	337.21		337.31	0.001688	1.49	0.54	0.45	19.74	15.64	0.40
Rignano	199.7			Lat Struct											
Rignano	199.50*	Max WS	UF_Tr200_D1_int	42.86	334.79	337.73		337.85	0.001061	1.58	0.36	0.58	31.94	15.68	0.33
Rignano	199.50*	Max WS	UF_Tr200_D3_int	34.25	334.79	337.54		337.63	0.000900	1.38	0.31	0.50	29.05	15.68	0.30
Rignano	199.50*	Max WS	UF_Tr200_D6_int	22.25	334.79	337.09		337.16	0.000864	1.16	0.24	0.39	22.00	15.68	0.28
Rignano	199	Max WS	UF_Tr200_D1_int	42.12	334.14	337.64		337.73	0.000676	1.32	0.32	0.39	36.08	16.36	0.26
Rignano	199	Max WS	UF_Tr200_D3_int	34.14	334.14	337.47		337.54	0.000561	1.15	0.27	0.33	33.30	16.36	0.23
Rignano	199	Max WS	UF_Tr200_D6_int	22.98	334.14	337.04		337.08	0.000507	0.96	0.17	0.25	26.16	16.36	0.22
Rignano	198.80*	Max WS	UF_Tr200_D1_int	42.28	334.15	337.63		337.72	0.000686	1.39	0.44	0.43	36.63	16.07	0.27
Rignano	198.80*	Max WS	UF_Tr200_D3_int	34.26	334.15	337.46		337.53	0.000563	1.20	0.38	0.37	33.95	16.07	0.24
Rignano	198.80*	Max WS	UF_Tr200_D6_int	22.96	334.15	337.03		337.08	0.000489	0.99	0.28	0.29	26.98	16.07	0.22
Rignano	198.60*	Max WS	UF_Tr200_D1_int	41.64	334.16	337.60		337.71	0.000797	1.52	0.34	0.49	31.63	12.58	0.29
Rignano	198.60*	Max WS	UF_Tr200_D3_int	33.82	334.16	337.44		337.52	0.000643	1.32	0.30	0.42	29.62	12.58	0.26
Rignano	198.60*	Max WS	UF_Tr200_D6_int	22.57	334.16	337.02		337.07	0.000523	1.06	0.25	0.34	24.28	12.58	0.23
Rignano	198.40*	Max WS	UF_Tr200_D1_int	41.71	334.18	337.60		337.70	0.000745	1.49	0.51	0.38	33.63	13.32	0.28
Rignano	198.40*	Max WS	UF_Tr200_D3_int	33.87	334.18	337.44		337.51	0.000599	1.28	0.45	0.33	31.51	13.32	0.25
Rignano	198.40*	Max WS	UF_Tr200_D6_int	22.59	334.18	337.01		337.06	0.000485	1.03	0.36	0.27	25.85	13.32	0.22
Rignano	198.20*	Max WS	UF_Tr200_D1_int	43.23	334.19	337.58		337.68	0.000792	1.53	0.47	0.52	35.23	14.15	0.29
Rignano	198.20*	Max WS	UF_Tr200_D3_int	36.41	334.19	337.41		337.50	0.000690	1.37	0.42	0.47	32.88	14.15	0.27
Rignano	198.20*	Max WS	UF_Tr200_D6_int	25.94	334.19	336.98		337.04	0.000644	1.18	0.36	0.40	26.77	14.15	0.25
Rignano	198	Max WS	UF_Tr200_D1_int	30.85	334.20	337.65	335.64	337.70	0.000349	1.14	0.43	0.43	39.89	13.60	0.20
Rignano	198	Max WS	UF_Tr200_D3_int	29.12	334.20	337.45	335.61	337.51	0.000384	1.14	0.44	0.44	37.20	13.60	0.21
Rignano	198	Max WS	UF_Tr200_D6_int	24.81	334.20	336.99	335.51	337.04	0.000489	1.16	0.46	0.45	30.82	13.60	0.23
Rignano	197.99			Bridge											
Rignano	197.98	Max WS	UF_Tr200_D1_int	30.84	334.11	336.60		336.73	0.001453	1.79	0.69	0.68	24.17	13.16	0.38
Rignano	197.98	Max WS	UF_Tr200_D3_int	29.12	334.11	336.49		336.62	0.001558	1.79	0.69	0.68	22.69	13.16	0.39
Rignano	197.98	Max WS	UF_Tr200_D6_int	24.81	334.11	336.18		336.32	0.002016	1.84	0.70	0.68	18.59	13.16	0.43
Rignano	197.96*	Max WS	UF_Tr200_D1_int	48.54	333.94	336.52		337.09	0.007528	3.39	0.81	0.64	15.35	9.82	0.79
Rignano	197.96*	Max WS	UF_Tr200_D3_int	40.22	333.94	336.36		336.84	0.006974	3.08	0.72	0.47	13.81	9.82	0.75
Rignano	197.96*	Max WS	UF_Tr200_D6_int	25.52	333.94	336.03		336.33	0.005828	2.44	0.46	0.25	10.70	8.66	0.66
Rignano	197.95			Lat Struct											
Rignano	197.94*	Max WS	UF_Tr200_D1_int	42.13	333.77	336.40		336.88	0.006401	3.15	0.83	0.81	14.94	10.12	0.74
Rignano	197.94*	Max WS	UF_Tr200_D3_int	35.52	333.77	336.26		336.67	0.005945	2.89	0.74	0.67	13.56	10.10	0.70
Rignano	197.94*	Max WS	UF_Tr200_D6_int	24.36	333.77	335.93		336.24	0.005833	2.49	0.52	0.48	10.37	9.35	0.67
Rignano	197.91*	Max WS	UF_Tr200_D1_int	41.67	333.61	336.26		336.86	0.008326	3.52	1.01	0.92	13.37	8.83	0.83
Rignano	197.91*	Max WS	UF_Tr200_D3_int	36.31	333.61	336.13		336.67	0.008182	3.32	0.92	0.85	12.21	8.83	0.81
Rignano	197.91*	Max WS	UF_Tr200_D6_int	25.18	333.61	335.80		336.23	0.008368	2.91	0.63	0.64	9.31	8.83	0.79
Rignano	197.89	Max WS	UF_Tr200_D1_int	47.09	333.44	335.99	336.28	337.17	0.021915	4.85	1.07	0.90	10.25	8.54	1.26
Rignano	197.89	Max WS	UF_Tr200_D3_int	40.41	333.44	335.86	336.11	336.92	0.021994	4.58	0.85	0.76	9.15	8.15	1.24
Rignano	197.89	Max WS	UF_Tr200_D6_int	25.72	333.44	335.52	335.67	336.29	0.023000	3.88	0.28	0.24	6.64	6.65	1.21
Rignano	197.87*	Max WS	UF_Tr200_D1_int	49.39	333.15	335.52	335.85	336.77	0.026049	4.95	0.65	0.44	10.07	8.50	1.36
Rignano	197.87*	Max WS	UF_Tr200_D3_int	41.55	333.15	335.40	335.66	336.47	0.025437	4.59	0.43		9.06	7.65	1.32
Rignano	197.87*	Max WS	UF_Tr200_D6_int	25.73	333.15	335.06	335.22	335.82	0.024201	3.87			6.64	6.83	1.25
Rignano	197.84*	Max WS	UF_Tr200_D1_int	49.04	332.86	334.99	335.37	336.34	0.027505	5.15	0.65	0.89	9.81	9.22	1.44
Rignano	197.84*	Max WS	UF_Tr200_D3_int	41.55	332.86	334.88	335.22	336.05	0.026779	4.79	0.45	0.59	8.80	8.76	1.40
Rignano	197.84*	Max WS	UF_Tr200_D6_int	25.73	332.86	334.58	334.78	335.38	0.024826	3.97			6.47	6.80	1.30
Rignano	197.82*	Max WS	UF_Tr200_D1_int	47.82	332.58	334.50	334.81	335.66	0.022542	4.80	0.98	1.25	10.58	9.92	1.36
Rignano	197.82*	Max WS	UF_Tr200_D3_int	41.36	332.58	334.40	334.67	335.44	0.022743	4.55	0.84	1.11	9.54	9.70	1.34
Rignano	197.82*	Max WS	UF_Tr200_D6_int	25.71	332.58	334.11	334.29	334.84	0.023138	3.80	0.42	0.60	6.87	8.78	1.29
Rignano	197.79*	Max WS	UF_Tr200_D1_int	47.27	332.29	334.11	334.29	335.04	0.017269	4.44	0.94	1.69	12.47	11.13	1.22
Rignano	197.79*	Max WS	UF_Tr200_D3_int	41.34	332.29	334.00	334.18	334.86	0.018044	4.27	0.85	1.61	11.21	10.85	1.23
Rignano	197.79*	Max WS	UF_Tr200_D6_int	25.71	332.29	333.71	333.82	334.31	0.017740	3.55	0.51	1.25	8.16	10.26	1.16
Rignano	197.77*	Max WS	UF_Tr200_D1_int	47.05	332.00	333.77	333.96	334.68	0.017500	4.21	0.55	0.70	11.36	10.21	1.20
Rignano	197.77*	Max WS	UF_Tr200_D3_int	41.33	332.00	333.61	333.83	334.54	0.021691	4.27	0.31	0.59	9.74	9.56	1.31
Rignano	197.77*	Max WS	UF_Tr200_D6_int	25.71	332.00	333.33	333.47	333.98	0.021439	3.58		0.14	7.18	8.62	1.25
Rignano	197.74	Max WS	UF_Tr200_D1_int	42.62	331.71	333.57		333.79	0.003587	2.11	0.40	0.68	21.45	16.89	0.57
Rignano	197.74	Max WS	UF_Tr200_D3_int	39.16	331.71	333.34		333.61	0.005475	2.32	0.32	0.72	17.70	16.58	0.68
Rignano	197.74	Max WS	UF_Tr200_D6_int	25.37	331.71	333.06		333.26	0.005890	2.00	0.03	0.51	13.07	15.91	0.68
Rignano	197.72*	Max WS	UF_Tr200_D1_int	39.16	331.51	333.51		333.76	0.003271	2.22	0.61	0.65	19.37	13.62	0.56
Rignano	197.72*	Max WS	UF_Tr200_D3_int	34.33	331.51	333.28		333.54	0.004253	2.29	0.60	0.68	16.27	13.28	0.62
Rignano	197.72*	Max WS	UF_Tr200_D6_int	24.45	331.51	332.93		333.18	0.005812	2.21	0.49	0.64	11.74	12.71	0.69
Rignano	197.69*	Max WS	UF_Tr200_D1_int	38.72	331.31	333.52		333.69	0.002049	1.82	0.43	0.59	23.60	16.15	0.44
Rignano	197.69*	Max WS	UF_Tr200_D3_int	34.26	331.31	333.26		333.44	0.002844	1.92	0.42	0.59	19.44	15.70	0.51
Rignano	197.69*	Max WS	UF_Tr200_D6_int	25.26	331.31	332.83		333.05	0.005211	2.06	0.27	0.45	12.83	14.98	0.65
Rignano	197.67*	Max WS	UF_Tr200_D1_int	43.99	331.12	333.43		333.62	0.002248	2.00	0.56	0.58	25.69	18.44	0.47
Rignano	197.67*	Max WS	UF_Tr200_D3_int	38.19	331.12	333.15		333.37	0.003035	2.08	0.53	0.51	20.73	18.10	0.53
Rignano	197.67*	Max WS	UF_Tr200_D6_int	25.62	331.12	332.75		332.94	0.003982	1.95	0.41	0.34	13.65	14.25	0.58
Rignano	197.64	Max WS	UF_Tr200_D1_int	52.67	330.92	333.28		333.52	0.003075	2.19	0.48	0.44	25.52	18.80	0.54
Rignano	197.64	Max WS	UF_Tr200_D3_int	41.84	330.92	333.07		333.28	0.003097	2.01	0.37	0.26	21.56	18.52	0.53
Rignano	197.64	Max WS	UF_Tr200_D6_int	25.69	330.92	332.71		332.84	0.003025	1.65	0.16		15.62	14.41	0.50
Rignano	197.61	Max WS	UF_Tr200_D1_int	52.67	330.80	333.17		333.70	0.006886	3.23			16.33	11.01	0.85
Rignano	197.61	Max WS	UF_Tr200_D3_int	41.84	330.80	332.96		333.41	0.008258	2.97			14.10	10.44	0.82
Rignano	197.61	Max WS	UF_Tr200_D6_int	25.68	330.80	332.57		332.89	0.007446	2.51			10.25	9.14	0.76
Rignano	197.58*	Max WS	UF_Tr200_D1_int	52.67	330.69	332.99		333.53	0.009024	3.25			16.22	11.26	0.86
Rignano	197.58*	Max WS	UF_Tr200_D3_int	41.84	330.69	332.80		333.25	0.008515	2.98			14.04	10.67	0.83
Rignano	197.58*	Max WS	UF_Tr200_D6_int	25.68	330.69	332.42		332.74	0.007703	2.51			10.24	9.47	0.77
Rignano	197.56*	Max WS	UF_Tr200_D1_int	52.67											

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	197.56*	Max WS	UF_Tr200_D3_int	41.84	330.58	332.62		333.08	0.008893	3.00			13.94	10.94	0.85
Rignano	197.56*	Max WS	UF_Tr200_D6_int	25.68	330.58	332.27		332.59	0.007987	2.51			10.23	9.79	0.78
Rignano	197.53*	Max WS	UF_Tr200_D1_int	52.66	330.46	332.61	332.54	333.18	0.010401	3.33	0.19		15.80	12.33	0.93
Rignano	197.53*	Max WS	UF_Tr200_D3_int	41.84	330.35	332.44		332.91	0.009680	3.04			13.78	11.46	0.88
Rignano	197.53*	Max WS	UF_Tr200_D6_int	25.68	330.46	332.11		332.43	0.008338	2.52			10.18	10.07	0.80
Rignano	197.51*	Max WS	UF_Tr200_D1_int	52.66	330.35	332.41	332.37	333.00	0.010538	3.42	0.44	0.34	15.57	12.97	0.95
Rignano	197.51*	Max WS	UF_Tr200_D3_int	41.84	330.35	332.25		332.74	0.010229	3.09	0.23	0.13	13.56	12.07	0.91
Rignano	197.51*	Max WS	UF_Tr200_D6_int	25.68	330.35	331.94		332.27	0.008936	2.55			10.07	10.41	0.83
Rignano	197.48*	Max WS	UF_Tr200_D1_int	52.67	330.23	332.20	332.20	332.83	0.011338	3.52	0.63	0.37	15.32	13.64	0.98
Rignano	197.48*	Max WS	UF_Tr200_D3_int	41.84	330.23	332.05	332.01	332.56	0.010862	3.18	0.47	0.16	13.32	12.73	0.94
Rignano	197.48*	Max WS	UF_Tr200_D6_int	25.68	330.23	331.76		332.10	0.010118	2.60			9.88	11.02	0.88
Rignano	197.45*	Max WS	UF_Tr200_D1_int	52.66	330.12	331.96	332.03	332.67	0.012516	3.74	0.82	0.69	14.88	14.12	1.04
Rignano	197.45*	Max WS	UF_Tr200_D3_int	41.84	330.12	331.83	331.84	332.39	0.011589	3.34	0.66	0.54	12.99	13.27	0.99
Rignano	197.45*	Max WS	UF_Tr200_D6_int	25.68	330.12	331.56	331.50	331.92	0.010649	2.69	0.35	0.23	9.63	11.62	0.91
Rignano	197.43*	Max WS	UF_Tr200_D1_int	51.52	330.01	331.69	331.83	332.47	0.015190	3.95	1.16	0.68	14.03	13.82	1.14
Rignano	197.43*	Max WS	UF_Tr200_D3_int	41.66	330.01	331.57	331.66	332.21	0.014215	3.57	0.95	0.54	12.40	13.52	1.09
Rignano	197.43*	Max WS	UF_Tr200_D6_int	25.68	330.01	331.33	331.34	331.75	0.012917	2.87	0.58	0.19	9.19	12.31	0.99
Rignano	197.40	Max WS	UF_Tr200_D1_int	42.98	329.89	331.41	331.45	331.99	0.014284	3.49	1.48	0.26	13.51	13.45	1.08
Rignano	197.40	Max WS	UF_Tr200_D3_int	35.60	329.89	331.30	331.31	331.80	0.014118	3.23	1.38		12.05	13.10	1.06
Rignano	197.40	Max WS	UF_Tr200_D6_int	23.44	329.89	331.07	331.08	331.45	0.014004	2.80	1.14		9.11	12.52	1.02
Rignano	197.37	Max WS	UF_Tr200_D1_int	42.98	329.63	331.10	331.27	331.96	0.017382	4.17	1.06	1.20	11.16	10.01	1.22
Rignano	197.37	Max WS	UF_Tr200_D3_int	35.60	329.63	331.01	331.11	331.71	0.015761	3.76	0.98	1.07	10.22	10.01	1.15
Rignano	197.37	Max WS	UF_Tr200_D6_int	23.44	329.63	330.79	330.82	331.27	0.014102	3.08	0.86	0.81	8.12	10.01	1.05
Rignano	197.365		Lat Struct												
Rignano	197.36		Lat Struct												
Rignano	197.35*	Max WS	UF_Tr200_D1_int	25.12	329.31	330.84		331.28	0.009196	3.02	1.05	0.51	9.36	8.78	0.88
Rignano	197.35*	Max WS	UF_Tr200_D3_int	21.21	329.31	330.77		331.13	0.007983	2.71	0.94	0.44	8.77	8.74	0.81
Rignano	197.35*	Max WS	UF_Tr200_D6_int	14.59	329.31	330.59		330.83	0.006970	2.25	0.75	0.34	7.17	8.64	0.74
Rignano	197.32	Max WS	UF_Tr200_D1_int	22.66	328.98	330.66	330.61	331.07	0.009462	2.95	0.98	0.59	9.06	10.73	0.87
Rignano	197.32	Max WS	UF_Tr200_D3_int	20.58	328.98	330.60	330.55	330.99	0.009199	2.82	0.93	0.50	8.51	10.73	0.85
Rignano	197.32	Max WS	UF_Tr200_D6_int	14.76	328.98	330.44		330.72	0.008388	2.42	0.74	0.39	6.78	8.98	0.79
Rignano	197.29*	Max WS	UF_Tr200_D1_int	24.93	328.68	330.46	330.42	330.96	0.010677	3.16	0.81	0.57	8.48	8.86	0.92
Rignano	197.29*	Max WS	UF_Tr200_D3_int	24.11	328.68	330.40	330.40	330.92	0.012017	3.24	0.78	0.59	7.94	8.58	0.96
Rignano	197.29*	Max WS	UF_Tr200_D6_int	18.50	328.68	330.24	330.21	330.67	0.011660	2.90	0.55	0.41	6.64	8.24	0.93
Rignano	197.27*	Max WS	UF_Tr200_D1_int	26.10	328.37	330.25	330.22	330.74	0.010404	3.12	0.61	0.52	8.94	9.94	0.90
Rignano	197.27*	Max WS	UF_Tr200_D3_int	23.58	328.37	330.17	330.14	330.64	0.010736	3.03	0.52	0.37	8.15	9.94	0.90
Rignano	197.27*	Max WS	UF_Tr200_D6_int	19.41	328.37	330.01	329.98	330.45	0.012413	2.94	0.39	0.25	6.68	7.61	0.94
Rignano	197.24*	Max WS	UF_Tr200_D1_int	25.25	328.07	330.07		330.46	0.008111	2.78	0.55	0.45	9.59	10.05	0.79
Rignano	197.24*	Max WS	UF_Tr200_D3_int	22.90	328.07	329.98		330.36	0.008535	2.73	0.43	0.36	8.73	9.75	0.80
Rignano	197.24*	Max WS	UF_Tr200_D6_int	19.41	328.07	329.77	329.70	330.18	0.012205	2.85	0.22		6.84	7.49	0.92
Rignano	197.21*	Max WS	UF_Tr200_D1_int	25.87	327.76	329.92		330.27	0.007171	2.63	0.54		10.04	8.12	0.73
Rignano	197.21*	Max WS	UF_Tr200_D3_int	22.34	327.76	329.84		330.14	0.006509	2.43	0.45		9.36	8.00	0.69
Rignano	197.21*	Max WS	UF_Tr200_D6_int	19.41	327.76	329.55		329.93	0.010307	2.72			7.14	6.69	0.84
Rignano	197.19*	Max WS	UF_Tr200_D1_int	26.57	327.45	329.82		330.09	0.005022	2.34	0.45	0.44	11.73	9.04	0.62
Rignano	197.19*	Max WS	UF_Tr200_D3_int	22.84	327.45	329.76		329.98	0.004282	2.10	0.38	0.37	11.19	9.04	0.57
Rignano	197.19*	Max WS	UF_Tr200_D6_int	19.41	327.45	329.37		329.68	0.008121	2.47			7.86	7.02	0.75
Rignano	197.16	Max WS	UF_Tr200_D1_int	24.27	327.15	329.79		329.96	0.002610	1.81	0.36	0.19	13.70	8.91	0.45
Rignano	197.16	Max WS	UF_Tr200_D3_int	22.59	327.15	329.74		329.89	0.002532	1.75	0.34	0.18	13.21	8.91	0.44
Rignano	197.16	Max WS	UF_Tr200_D6_int	19.41	327.15	329.26		329.49	0.005589	2.15			9.05	7.39	0.62
Rignano	197.13*	Max WS	UF_Tr200_D1_int	24.23	327.01	329.77		329.92	0.001692	1.70	0.37	0.33	15.20	9.09	0.38
Rignano	197.13*	Max WS	UF_Tr200_D3_int	22.59	327.01	329.72		329.85	0.001610	1.63	0.35	0.29	14.72	9.09	0.37
Rignano	197.13*	Max WS	UF_Tr200_D6_int	19.58	327.01	329.19		329.38	0.003367	1.93	0.24	0.23	10.29	7.83	0.50
Rignano	197.11*	Max WS	UF_Tr200_D1_int	24.83	326.88	329.78		329.88	0.001204	1.41	0.30	0.27	18.56	11.00	0.32
Rignano	197.11*	Max WS	UF_Tr200_D3_int	23.07	326.88	329.72		329.82	0.001145	1.35	0.29	0.24	17.96	11.00	0.31
Rignano	197.11*	Max WS	UF_Tr200_D6_int	20.05	326.88	329.16		329.31	0.002675	1.67	0.16		12.07	9.40	0.45
Rignano	197.08*	Max WS	UF_Tr200_D1_int	25.40	326.74	329.77		329.86	0.000825	1.34	0.35	0.31	21.87	12.69	0.28
Rignano	197.08*	Max WS	UF_Tr200_D3_int	23.65	326.74	329.71		329.79	0.000778	1.28	0.34	0.28	21.17	12.69	0.27
Rignano	197.08*	Max WS	UF_Tr200_D6_int	20.96	326.74	329.13		329.25	0.001725	1.57	0.32	0.30	14.13	10.36	0.38
Rignano	197.05*	Max WS	UF_Tr200_D1_int	27.66	326.60	329.76		329.83	0.000636	1.15	0.30	0.31	27.05	15.02	0.25
Rignano	197.05*	Max WS	UF_Tr200_D3_int	26.62	326.60	329.70		329.76	0.000653	1.14	0.29	0.30	26.09	15.02	0.25
Rignano	197.05*	Max WS	UF_Tr200_D6_int	22.39	326.60	329.11		329.21	0.001416	1.36	0.19	0.22	17.28	15.02	0.35
Rignano	197.03*	Max WS	UF_Tr200_D1_int	32.63	326.47	329.72		329.80	0.000673	1.23	0.31	0.34	29.56	15.12	0.26
Rignano	197.03*	Max WS	UF_Tr200_D3_int	31.67	326.47	329.65		329.73	0.000702	1.23	0.31	0.34	28.55	15.12	0.26
Rignano	197.03*	Max WS	UF_Tr200_D6_int	24.17	326.47	329.08		329.17	0.001127	1.28	0.24	0.25	19.93	15.12	0.31
Rignano	197	Max WS	UF_Tr200_D1_int	34.70	326.33	329.71	328.14	329.77	0.000545	1.15	0.32	0.34	34.26	17.16	0.23
Rignano	197	Max WS	UF_Tr200_D3_int	33.69	326.33	329.64	328.12	329.71	0.000567	1.15	0.32	0.33	33.10	17.16	0.24
Rignano	197	Max WS	UF_Tr200_D6_int	25.12	326.33	329.07	327.87	329.14	0.000824	1.16	0.24	0.24	23.34	17.16	0.27
Rignano	196.98		Bridge												
Rignano	196.97	Max WS	UF_Tr200_D1_int	34.70	326.38	328.57	328.47	329.08	0.010216	3.16	0.11	0.34	11.09	9.95	0.89
Rignano	196.97	Max WS	UF_Tr200_D3_int	33.69	326.38	328.54	328.45	329.04	0.010300	3.13	0.06	0.32	10.84	9.67	0.89
Rignano	196.97	Max WS	UF_Tr200_D6_int	25.12	326.38	328.30		328.72	0.010680	2.89			8.89	8.00	0.89
Rignano	196.94*	Max WS	UF_Tr200_D1_int	35.07	326.22	328.40		328.86	0.008666	3.05	0.39	0.70	12.31	11.61	0.83
Rignano	196.94*	Max WS	UF_Tr200_D3_int	33.94	326.22	328.37		328.83	0.008669	3.01	0.37	0.67	12.02	11.55	0.83
Rignano	196.94*	Max WS	UF_Tr200_D6_int	25.12	326.22	328.11	327.99	328.52	0.010068	2.81		0.25	9.09	11.00	0.86
Rignano	196.91*	Max WS	UF_Tr200_D1_int	35.07	326.06	328.24		328.68	0.009581	2.96		0.42	11.97	10.75	0.86
Rignano	196.91*	Max WS	UF_Tr200_D3_int	33.31	326.06	328.22		328.63	0.009079	2.86		0.38	11.76	10.70	0.84
Rignano	196.91*	Max WS	UF_Tr200_D6_int	25.12	326.06	327.94		328.33	0.009368	2.75			9.15	8.32	0.84
Rignano	196.88*	Max WS	UF_Tr200_D1_int	35.07	325.90	328.08		328.49	0.007847	2.84	0.28				

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	196.88*	Max WS	UF_Tr200_D6_int	25.12	325.90	327.78		328.13	0.008664	2.63			9.54	8.82	0.81
Rignano	196.85*	Max WS	UF_Tr200_D1_int	33.28	325.74	327.95		328.28	0.006554	2.52		0.21	13.23	10.90	0.72
Rignano	196.85*	Max WS	UF_Tr200_D3_int	33.10	325.74	327.95		328.27	0.006589	2.52		0.21	13.15	10.86	0.72
Rignano	196.85*	Max WS	UF_Tr200_D6_int	25.12	325.74	327.63		327.95	0.007711	2.51			10.00	9.11	0.77
Rignano	196.82*	Max WS	UF_Tr200_D1_int	33.05	325.58	327.86		328.13	0.005218	2.29	0.06	0.22	14.47	12.05	0.65
Rignano	196.82*	Max WS	UF_Tr200_D3_int	33.00	325.58	327.85		328.12	0.005315	2.30	0.04	0.21	14.37	11.92	0.65
Rignano	196.82*	Max WS	UF_Tr200_D6_int	25.12	325.58	327.51		327.79	0.006443	2.34			10.73	9.49	0.70
Rignano	196.79	Max WS	UF_Tr200_D1_int	34.56	325.42	327.77		328.04	0.003741	2.32	0.37	0.42	15.82	13.28	0.57
Rignano	196.79	Max WS	UF_Tr200_D3_int	34.39	325.42	327.77		328.04	0.003765	2.32	0.36	0.41	15.72	13.25	0.57
Rignano	196.79	Max WS	UF_Tr200_D6_int	25.12	325.42	327.43		327.66	0.004304	2.14	0.23	0.26	11.89	10.12	0.59
Rignano	196.76*	Max WS	UF_Tr200_D1_int	27.67	325.25	327.82	326.93	328.00	0.002016	1.84	0.43	0.26	15.82	9.17	0.42
Rignano	196.76*	Max WS	UF_Tr200_D3_int	27.51	325.25	327.82	326.93	327.99	0.002024	1.84	0.43	0.26	15.74	9.15	0.42
Rignano	196.76*	Max WS	UF_Tr200_D6_int	21.46	325.25	327.45	326.73	327.61	0.002459	1.77	0.42	0.09	12.53	8.33	0.44
Rignano	196.74		Bridge												
Rignano	196.72	Max WS	UF_Tr200_D1_int	27.67	325.07	326.73	326.78	327.32	0.015202	3.39	0.14	0.06	8.17	8.01	1.06
Rignano	196.72	Max WS	UF_Tr200_D3_int	27.51	325.07	326.73	326.77	327.31	0.015270	3.38	0.13	0.05	8.13	7.99	1.06
Rignano	196.72	Max WS	UF_Tr200_D6_int	21.40	325.07	326.57	326.58	327.06	0.014467	3.10			6.90	7.31	1.02
Rignano	196.69*	Max WS	UF_Tr200_D1_int	27.67	324.82	326.43	326.48	327.02	0.015163	3.39			8.15	7.78	1.06
Rignano	196.69*	Max WS	UF_Tr200_D3_int	27.51	324.82	326.43	326.48	327.02	0.015175	3.39			8.11	7.76	1.06
Rignano	196.69*	Max WS	UF_Tr200_D6_int	21.32	324.82	326.30	326.27	326.75	0.013053	3.00			7.10	7.30	0.97
Rignano	196.65*	Max WS	UF_Tr200_D1_int	1.31	324.57	326.16		326.16	0.000031	0.16			8.36	7.75	0.05
Rignano	196.65*	Max WS	UF_Tr200_D3_int	1.41	324.57	326.15		326.15	0.000037	0.17			8.27	7.71	0.05
Rignano	196.65*	Max WS	UF_Tr200_D6_int	20.66	324.57	326.07		326.44	0.009864	2.70			7.66	7.45	0.85
Rignano	196.62*	Max WS	UF_Tr200_D1_int	0.52	324.32	326.15		326.15	0.000003	0.05			10.76	8.66	0.01
Rignano	196.62*	Max WS	UF_Tr200_D3_int	0.67	324.32	326.15		326.15	0.000004	0.06			10.70	8.64	0.02
Rignano	196.62*	Max WS	UF_Tr200_D6_int	5.01	324.32	326.05		326.06	0.000292	0.51			9.88	8.28	0.15
Rignano	196.58*	Max WS	UF_Tr200_D1_int	-2.40	324.07	326.15		326.15	0.000028	-0.18	-0.02	-0.01	13.48	10.18	0.05
Rignano	196.58*	Max WS	UF_Tr200_D3_int	-2.09	324.07	326.14		326.14	0.000021	-0.16	-0.01	-0.01	13.41	10.12	0.04
Rignano	196.58*	Max WS	UF_Tr200_D6_int	5.03	324.07	326.05		326.06	0.000152	0.40	0.02	0.02	12.53	9.47	0.11
Rignano	196.55*	Max WS	UF_Tr200_D1_int	-2.92	323.83	326.15		326.15	0.000022	-0.18	-0.02	-0.02	16.92	13.73	0.04
Rignano	196.55*	Max WS	UF_Tr200_D3_int	-3.37	323.83	326.13		326.14	0.000031	-0.21	-0.02	-0.03	16.75	13.69	0.05
Rignano	196.55*	Max WS	UF_Tr200_D6_int	5.06	323.83	326.05		326.05	0.000082	0.33	0.03	0.04	15.60	12.44	0.08
Rignano	196.51*	Max WS	UF_Tr200_D1_int	-3.64	323.58	326.15		326.15	0.000020	-0.19	-0.03	-0.03	21.15	16.60	0.04
Rignano	196.51*	Max WS	UF_Tr200_D3_int	-3.72	323.58	326.14		326.14	0.000022	-0.19	-0.04	-0.03	20.93	16.42	0.04
Rignano	196.51*	Max WS	UF_Tr200_D6_int	5.12	323.58	326.05		326.05	0.000049	0.28	0.04	0.04	19.53	15.28	0.06
Rignano	196.48*	Max WS	UF_Tr200_D1_int	-8.89	323.33	326.14		326.15	0.000076	-0.39	-0.09	-0.07	26.09	18.20	0.08
Rignano	196.48*	Max WS	UF_Tr200_D3_int	-8.38	323.33	326.13		326.14	0.000069	-0.37	-0.08	-0.06	25.89	18.20	0.08
Rignano	196.48*	Max WS	UF_Tr200_D6_int	5.58	323.33	326.05		326.05	0.000035	0.25	0.05	0.04	24.40	18.20	0.06
Rignano	196.44*	Max WS	UF_Tr200_D1_int	-18.97	323.08	326.11		326.13	0.000233	-0.71	-0.18	-0.16	30.98	19.03	0.14
Rignano	196.44*	Max WS	UF_Tr200_D3_int	-18.18	323.08	326.10		326.13	0.000216	-0.69	-0.17	-0.15	30.85	19.03	0.14
Rignano	196.44*	Max WS	UF_Tr200_D6_int	6.13	323.08	326.05		326.05	0.000027	0.24	0.06	0.05	29.80	19.03	0.05
Rignano	196.41*	Max WS	UF_Tr200_D1_int	-15.22	322.83	326.09		326.10	0.000102	-0.50	-0.13	-0.13	36.50	19.85	0.10
Rignano	196.41*	Max WS	UF_Tr200_D3_int	-14.35	322.83	326.09		326.10	0.000091	-0.47	-0.13	-0.12	36.34	19.85	0.09
Rignano	196.41*	Max WS	UF_Tr200_D6_int	6.94	322.83	326.05		326.05	0.000023	0.23	0.06	0.06	35.59	19.85	0.05
Rignano	196.37*	Max WS	UF_Tr200_D1_int	-15.39	322.58	326.09		326.10	0.000072	-0.44	-0.13	-0.12	42.80	20.67	0.08
Rignano	196.37*	Max WS	UF_Tr200_D3_int	-14.04	322.58	326.08		326.09	0.000060	-0.40	-0.11	-0.11	42.45	20.67	0.07
Rignano	196.37*	Max WS	UF_Tr200_D6_int	8.11	322.58	326.05		326.05	0.000021	0.24	0.07	0.07	41.75	20.67	0.04
Rignano	196.34	Max WS	UF_Tr200_D1_int	-14.81	322.33	326.08		326.09	0.000047	-0.37	-0.11	-0.11	49.13	21.50	0.07
Rignano	196.34	Max WS	UF_Tr200_D3_int	-13.90	322.33	326.08		326.08	0.000042	-0.35	-0.10	-0.10	48.98	21.50	0.06
Rignano	196.34	Max WS	UF_Tr200_D6_int	10.67	322.33	326.04	322.98	326.05	0.000026	0.27	0.08	0.08	48.27	21.50	0.05
Rignano	196.33		Bridge												
Rignano	196.31	Max WS	UF_Tr200_D1_int	-16.97	322.33	326.09		326.10	0.000061	-0.43	-0.13	-0.13	49.24	21.50	0.08
Rignano	196.31	Max WS	UF_Tr200_D3_int	-14.71	322.33	326.08		326.09	0.000046	-0.37	-0.11	-0.11	49.07	21.50	0.07
Rignano	196.31	Max WS	UF_Tr200_D6_int	10.66	322.33	326.04		326.04	0.000026	0.27	0.08	0.08	48.20	21.50	0.05
Rignano	196.28*	Max WS	UF_Tr200_D1_int	-17.29	322.23	326.05		326.06	0.000065	-0.44	-0.13	-0.13	48.18	20.69	0.08
Rignano	196.28*	Max WS	UF_Tr200_D3_int	-13.36	322.23	326.05		326.05	0.000039	-0.34	-0.10	-0.10	48.08	20.69	0.06
Rignano	196.28*	Max WS	UF_Tr200_D6_int	16.66	322.23	326.03		326.04	0.000061	0.43	0.13	0.13	47.74	20.69	0.08
Rignano	196.24*	Max WS	UF_Tr200_D1_int	-42.57	322.13	326.05		326.11	0.000381	-1.09	-0.33	-0.32	47.87	19.88	0.19
Rignano	196.24*	Max WS	UF_Tr200_D3_int	-43.27	322.13	326.03		326.09	0.000404	-1.12	-0.34	-0.33	47.41	19.88	0.20
Rignano	196.24*	Max WS	UF_Tr200_D6_int	15.65	322.13	326.03		326.04	0.000053	0.40	0.12	0.12	47.40	19.88	0.07
Rignano	196.21*	Max WS	UF_Tr200_D1_int	-43.35	322.02	326.07		326.13	0.000380	-1.11	-0.34	-0.32	47.74	19.07	0.19
Rignano	196.21*	Max WS	UF_Tr200_D3_int	-46.94	322.02	326.05		326.12	0.000456	-1.21	-0.37	-0.35	47.34	19.07	0.21
Rignano	196.21*	Max WS	UF_Tr200_D6_int	20.38	322.02	326.02		326.03	0.000089	0.53	0.16	0.15	46.74	19.07	0.09
Rignano	196.17*	Max WS	UF_Tr200_D1_int	-34.03	321.92	326.07		326.11	0.000231	-0.87	-0.27	-0.25	47.15	18.26	0.15
Rignano	196.17*	Max WS	UF_Tr200_D3_int	-40.40	321.92	326.05		326.11	0.000332	-1.04	-0.32	-0.30	46.82	18.26	0.18
Rignano	196.17*	Max WS	UF_Tr200_D6_int	21.49	321.92	326.02		326.03	0.000098	0.56	0.17	0.16	46.11	18.26	0.10
Rignano	196.14*	Max WS	UF_Tr200_D1_int	-37.06	321.82	326.07		326.11	0.000273	-0.96	-0.30	-0.27	46.36	17.45	0.17
Rignano	196.14*	Max WS	UF_Tr200_D3_int	-48.90	321.82	326.05		326.12	0.000485	-1.27	-0.39	-0.39	46.03	17.45	0.22
Rignano	196.14*	Max WS	UF_Tr200_D6_int	22.46	321.82	326.01		326.03	0.000106	0.59	0.18	0.17	45.38	17.45	0.10
Rignano	196.10*	Max WS	UF_Tr200_D1_int	-40.51	321.71	326.05		326.10	0.000331	-1.06	-0.32	-0.30	45.26	16.64	0.19
Rignano	196.10*	Max WS	UF_Tr200_D3_int	-36.33	321.71	326.03		326.08	0.000271	-0.96	-0.29	-0.27	44.98	16.64	0.17
Rignano	196.10*	Max WS	UF_Tr200_D6_int	23.68	321.71	326.01		326.02	0.000118	0.63	0.19	0.18	44.54	16.64	0.11
Rignano	196.07*	Max WS	UF_Tr200_D1_int	-45.87	321.61	326.02		326.09	0.000439	-1.22	-0.37	-0.33	43.87	15.83	0.21
Rignano	196.07*	Max WS	UF_Tr200_D3_int	-45.44	321.61	326.00		326.07	0.000437	-1.22	-0.37	-0.33	43.65	15.83	0.21
Rignano	196.07*	Max WS	UF_Tr200_D6_int	25.88	321.61	326.00		326.02	0.000143	0.70	0.21	0.19	43.54	15.83	0.12
Rignano	196.03*	Max WS	UF_Tr200_D1_int	28.80	321.51	325.96		325.99	0.000185	0.79	0.23	0.21	42.06	15.02	0.14
Rignano	196.03*	Max WS	UF_Tr200_D3_int	28.18	321.51	325.98		326.01	0.000173	0.77	0.23	0.20	42.38	15.02	0.14
Rignano	196.03*	Max WS	UF_Tr200_D6_int	29.13	321.51	325.98		326.01	0.000185	0.79	0.23	0.21	42.38	15.02	0.14

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

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Vel Left	Vel Right	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m/s)	(m/s)	(m2)	(m)	
Rignano	196	Max WS	UF_Tr200_D3_int	20.60	321.41	325.97	323.12	325.99	0.000095	0.57	0.16	0.14	41.20	14.21	0.10
Rignano	196	Max WS	UF_Tr200_D6_int	21.35	321.41	325.97	323.15	325.99	0.000102	0.59	0.17	0.15	41.20	14.21	0.10



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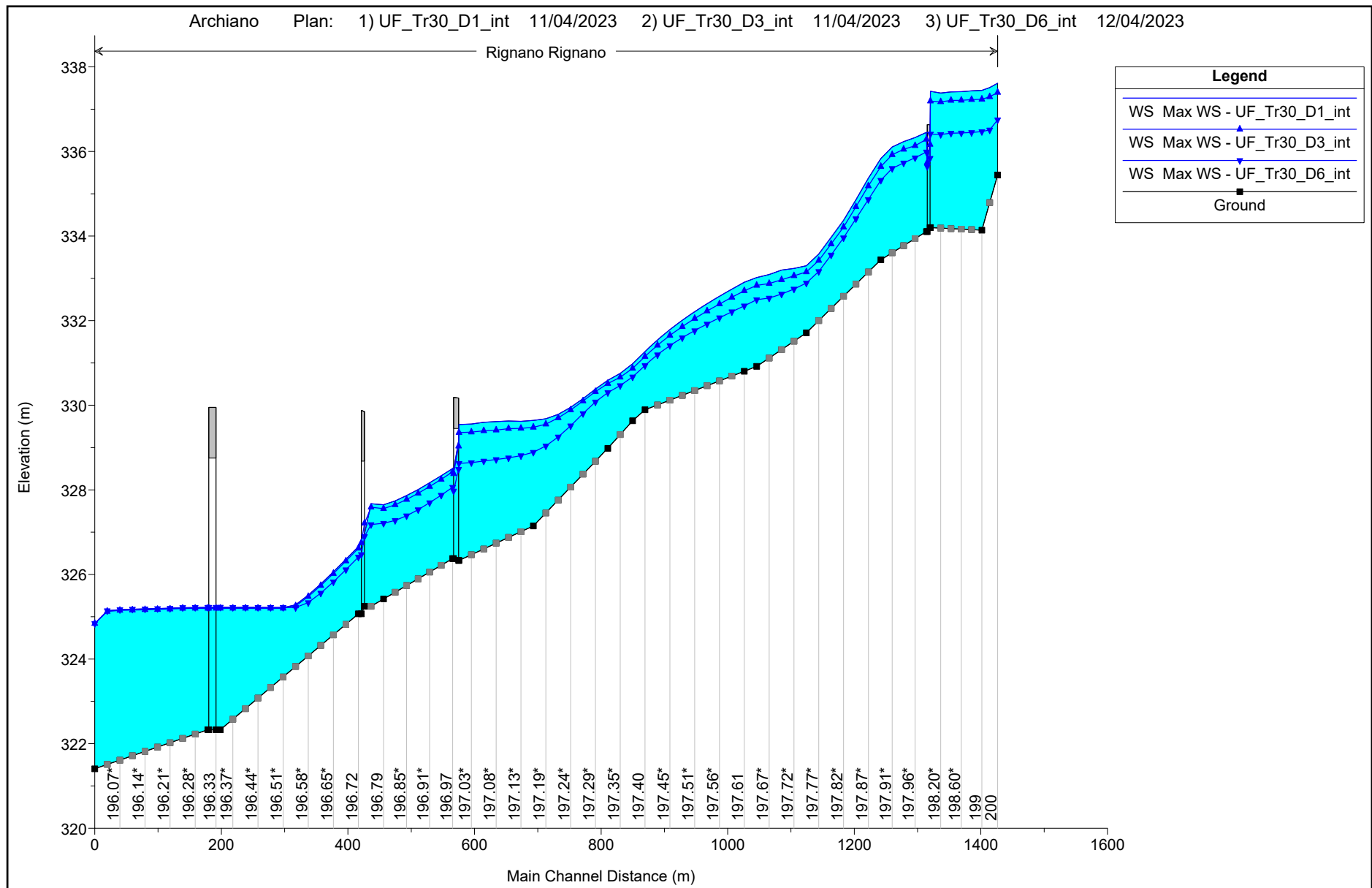
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIGNANO

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





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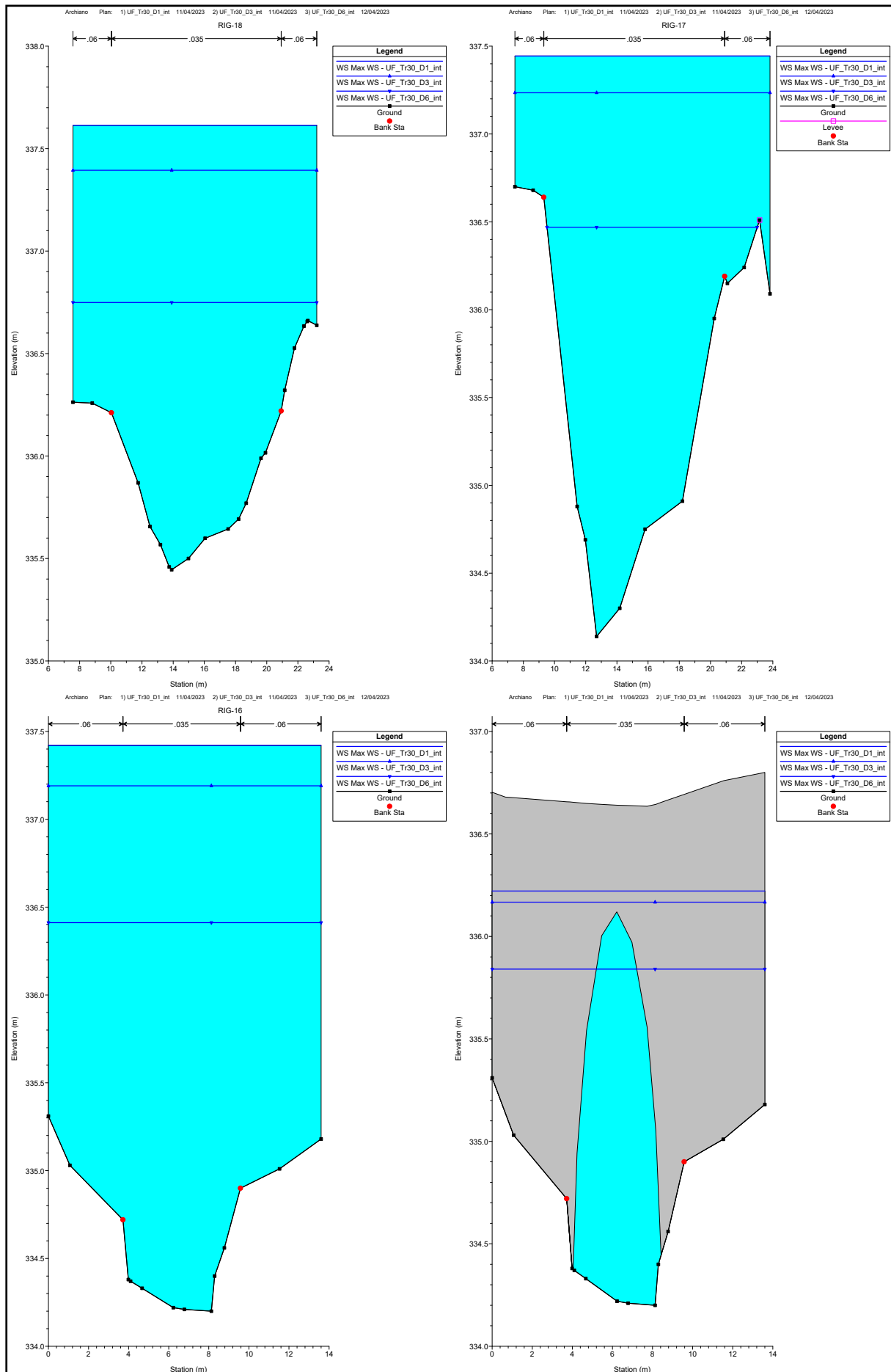
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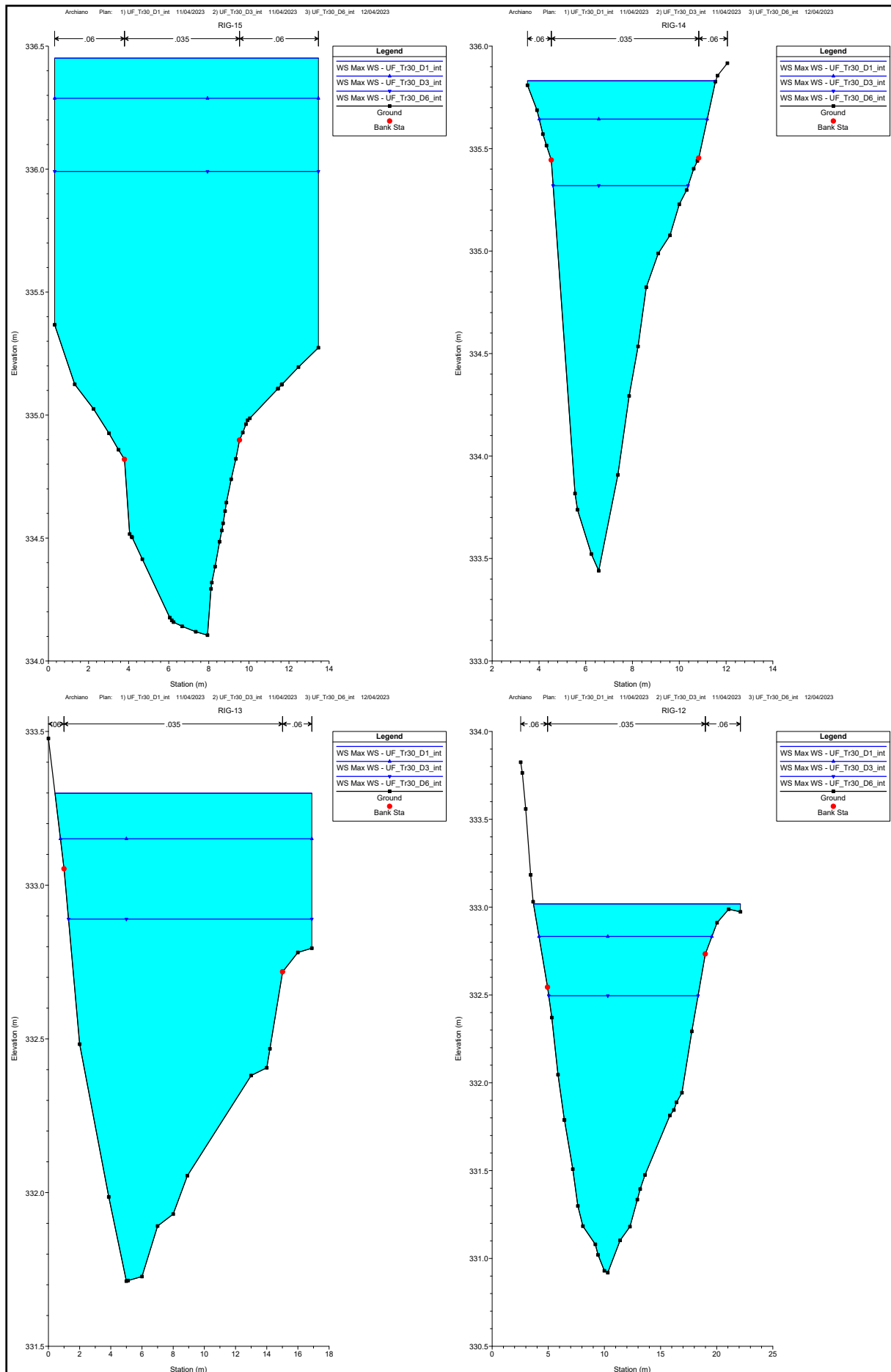
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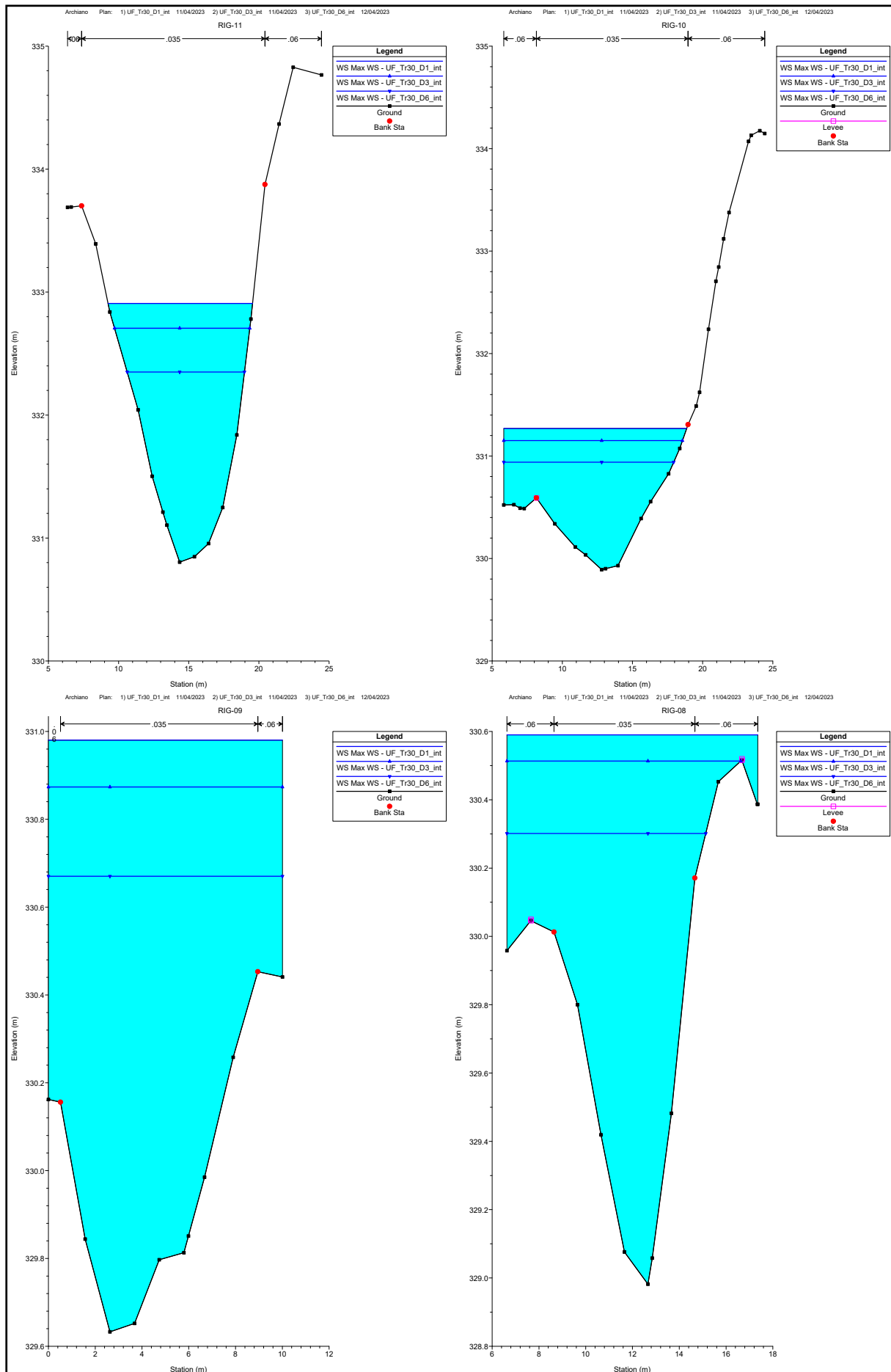
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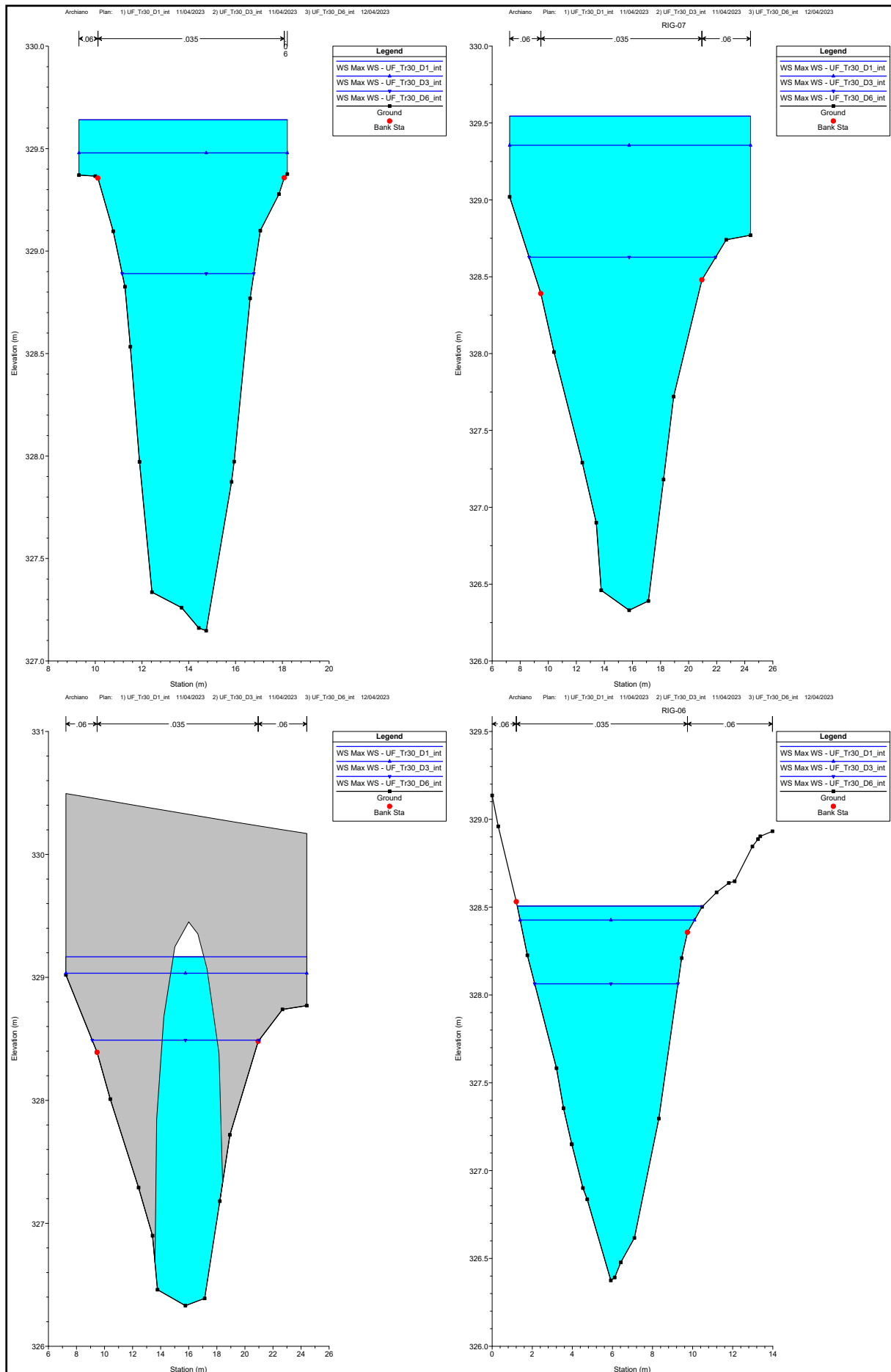
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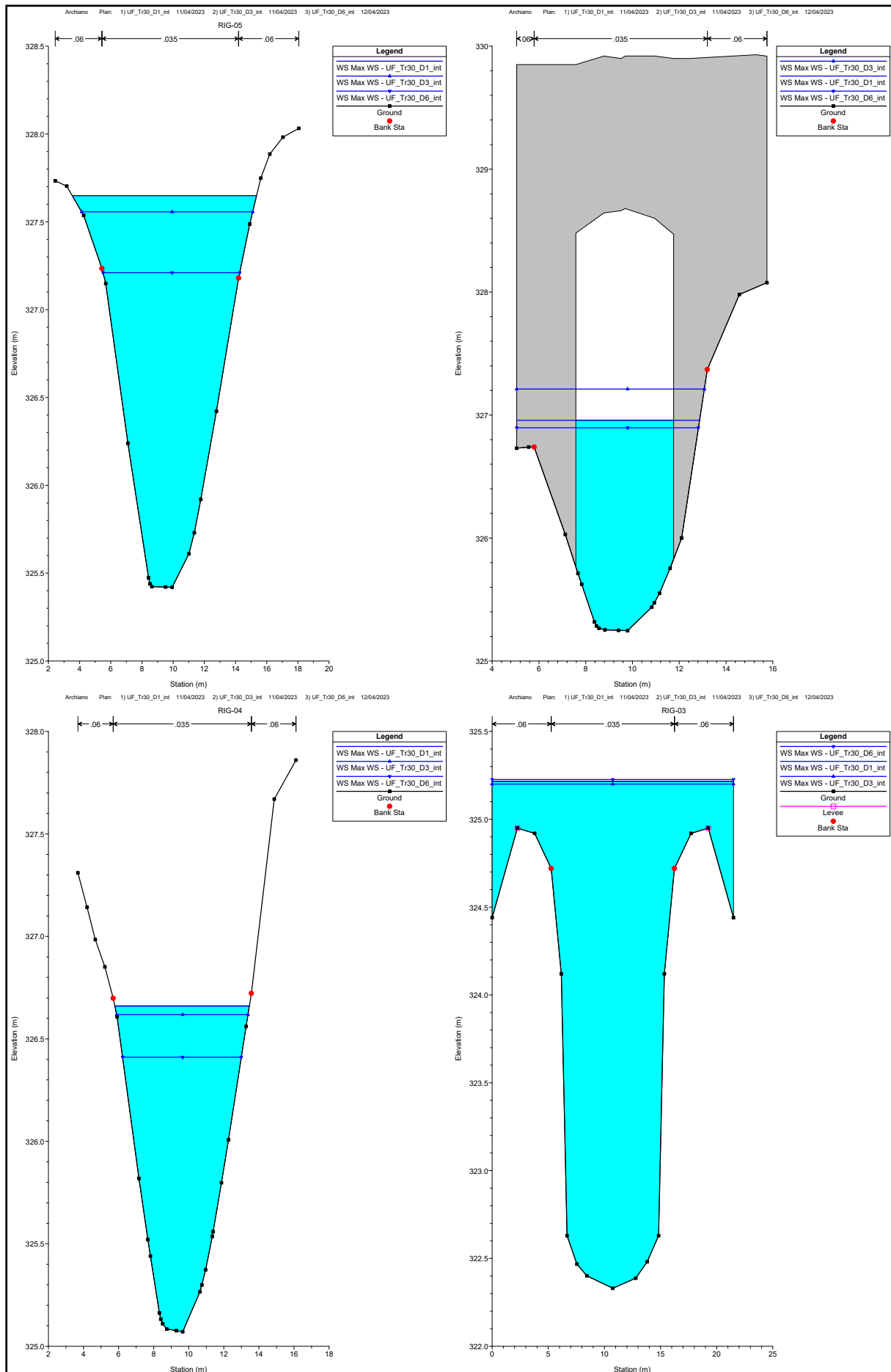
Sezioni Trasversali (da monte verso valle)

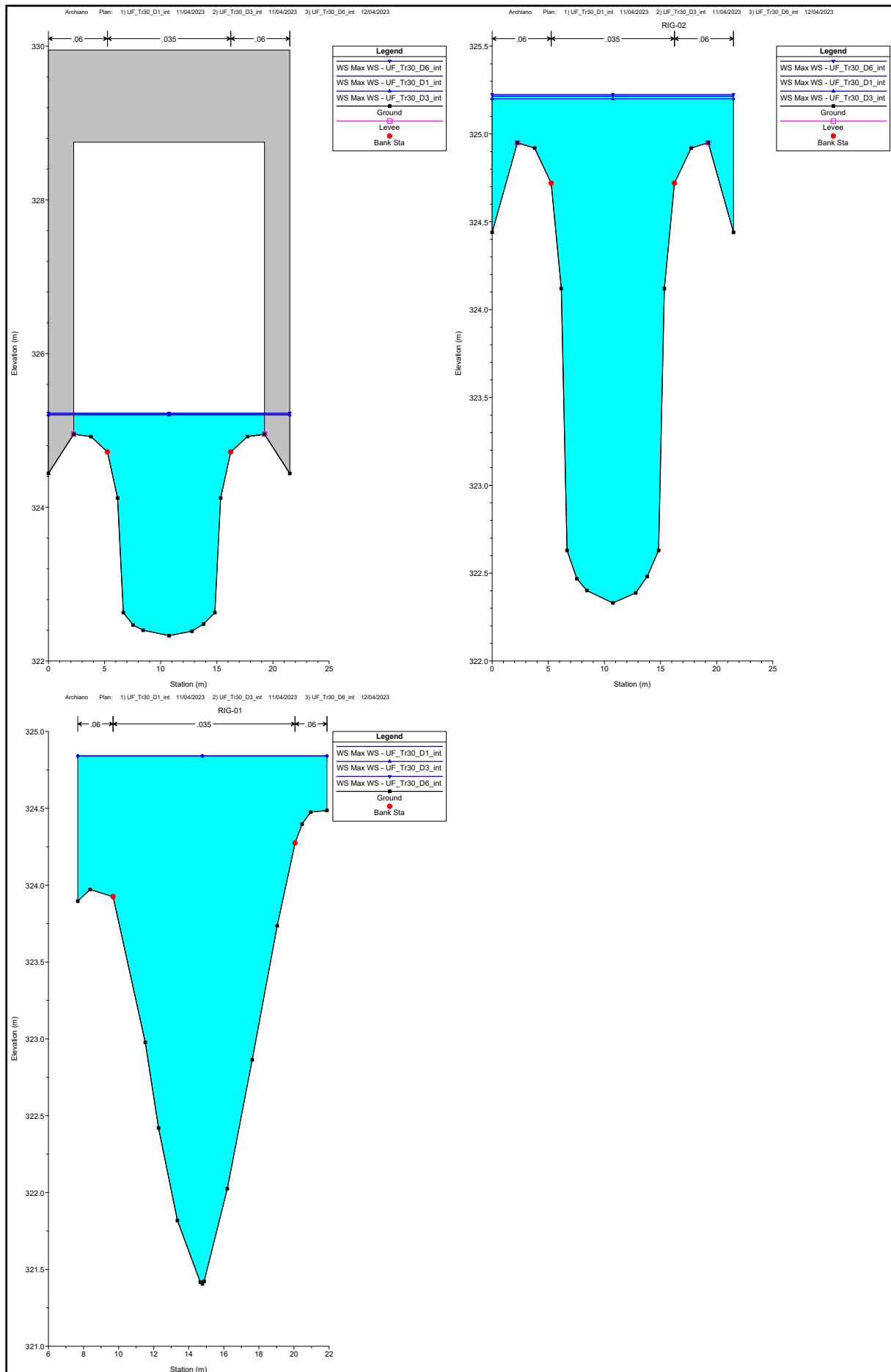














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MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIGNANO

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	200	Max WS	UF_Tr30_D1_int	40.45	335.44	337.61		337.77	0.001799	1.82	0.65	0.58	26.10	15.64	0.43
Rignano	200	Max WS	UF_Tr30_D3_int	31.10	335.44	337.39		337.51	0.001637	1.59	0.57	0.50	22.67	15.64	0.40
Rignano	200	Max WS	UF_Tr30_D6_int	18.80	335.44	336.75		336.88	0.003430	1.65	0.55	0.34	12.59	15.64	0.53
Rignano	199.7			Lat Struct											
Rignano	199.50*	Max WS	UF_Tr30_D1_int	32.95	334.79	337.51		337.60	0.000879	1.35	0.31	0.49	28.54	15.68	0.30
Rignano	199.50*	Max WS	UF_Tr30_D3_int	26.07	334.79	337.29		337.36	0.000806	1.20	0.26	0.42	25.10	15.68	0.28
Rignano	199.50*	Max WS	UF_Tr30_D6_int	18.79	334.79	336.51		336.63	0.002685	1.56		0.35	12.90	14.45	0.47
Rignano	199	Max WS	UF_Tr30_D1_int	32.91	334.14	337.44		337.51	0.000545	1.12	0.26	0.33	32.81	16.36	0.23
Rignano	199	Max WS	UF_Tr30_D3_int	26.39	334.14	337.23		337.28	0.000481	0.99	0.21	0.28	29.38	16.36	0.21
Rignano	199	Max WS	UF_Tr30_D6_int	18.80	334.14	336.47		336.53	0.001049	1.12		0.19	17.15	13.48	0.30
Rignano	198.80*	Max WS	UF_Tr30_D1_int	33.04	334.15	337.43		337.50	0.000545	1.18	0.37	0.36	33.47	16.07	0.24
Rignano	198.80*	Max WS	UF_Tr30_D3_int	26.48	334.15	337.23		337.28	0.000474	1.04	0.31	0.31	30.14	16.07	0.22
Rignano	198.80*	Max WS	UF_Tr30_D6_int	18.80	334.15	336.45		336.52	0.001035	1.17	0.21	0.27	17.67	16.07	0.30
Rignano	198.60*	Max WS	UF_Tr30_D1_int	32.61	334.16	337.41		337.49	0.000621	1.28	0.29	0.41	29.26	12.58	0.25
Rignano	198.60*	Max WS	UF_Tr30_D3_int	26.19	334.16	337.21		337.27	0.000528	1.12	0.26	0.36	26.71	12.58	0.23
Rignano	198.60*	Max WS	UF_Tr30_D6_int	18.21	334.16	336.44		336.51	0.000986	1.18	0.26	0.34	16.98	12.58	0.30
Rignano	198.40*	Max WS	UF_Tr30_D1_int	32.69	334.18	337.41		337.48	0.000579	1.25	0.44	0.32	31.12	13.32	0.25
Rignano	198.40*	Max WS	UF_Tr30_D3_int	26.26	334.18	337.21		337.26	0.000492	1.09	0.38	0.28	28.43	13.32	0.22
Rignano	198.40*	Max WS	UF_Tr30_D6_int	17.78	334.18	336.43		336.49	0.000859	1.12	0.37	0.27	18.12	13.32	0.28
Rignano	198.20*	Max WS	UF_Tr30_D1_int	35.46	334.19	337.38		337.46	0.000681	1.35	0.42	0.46	32.45	14.15	0.26
Rignano	198.20*	Max WS	UF_Tr30_D3_int	29.73	334.19	337.17		337.24	0.000634	1.24	0.38	0.42	29.52	14.15	0.25
Rignano	198.20*	Max WS	UF_Tr30_D6_int	19.23	334.19	336.40		336.47	0.001010	1.21	0.35	0.36	18.59	14.15	0.30
Rignano	198	Max WS	UF_Tr30_D1_int	28.82	334.20	337.42	335.60	337.47	0.000390	1.14	0.44	0.44	36.74	13.60	0.21
Rignano	198	Max WS	UF_Tr30_D3_int	26.76	334.20	337.19	335.56	337.24	0.000439	1.15	0.45	0.45	33.61	13.60	0.22
Rignano	198	Max WS	UF_Tr30_D6_int	18.59	334.20	336.41	335.36	336.46	0.000652	1.13	0.46	0.44	23.02	13.60	0.25
Rignano	197.99			Bridge											
Rignano	197.98	Max WS	UF_Tr30_D1_int	28.82	334.11	336.45		336.58	0.001628	1.81	0.70	0.69	22.19	13.16	0.40
Rignano	197.98	Max WS	UF_Tr30_D3_int	26.76	334.11	336.29		336.43	0.001886	1.85	0.71	0.69	20.04	13.16	0.42
Rignano	197.98	Max WS	UF_Tr30_D6_int	18.32	334.11	335.99		336.09	0.001648	1.54	0.57	0.55	16.13	13.16	0.39
Rignano	197.96*	Max WS	UF_Tr30_D1_int	38.26	333.94	336.33		336.78	0.006771	2.99	0.69	0.42	13.46	9.82	0.73
Rignano	197.96*	Max WS	UF_Tr30_D3_int	30.42	333.94	336.14		336.50	0.006480	2.70	0.57	0.35	11.61	8.81	0.70
Rignano	197.96*	Max WS	UF_Tr30_D6_int	19.06	333.94	335.85		336.08	0.005181	2.10	0.25	0.07	9.17	8.39	0.61
Rignano	197.95			Lat Struct											
Rignano	197.94*	Max WS	UF_Tr30_D1_int	34.30	333.77	336.23		336.63	0.005872	2.84	0.72	0.65	13.28	10.04	0.69
Rignano	197.94*	Max WS	UF_Tr30_D3_int	27.96	333.77	336.05		336.39	0.005773	2.61	0.61	0.55	11.51	9.63	0.68
Rignano	197.94*	Max WS	UF_Tr30_D6_int	19.13	333.77	335.73		336.00	0.006139	2.30	0.30	0.35	8.54	8.90	0.67
Rignano	197.91*	Max WS	UF_Tr30_D1_int	35.35	333.61	336.10		336.63	0.008214	3.29	0.90	0.84	11.97	8.83	0.81
Rignano	197.91*	Max WS	UF_Tr30_D3_int	29.23	333.61	335.92		336.39	0.008381	3.08	0.76	0.74	10.38	8.83	0.80
Rignano	197.91*	Max WS	UF_Tr30_D6_int	19.16	333.61	335.60		335.95	0.008532	2.64	0.36	0.42	7.51	8.42	0.78
Rignano	197.89	Max WS	UF_Tr30_D1_int	39.09	333.44	335.83	336.08	336.87	0.022132	4.53	0.80	0.75	8.92	8.04	1.24
Rignano	197.89	Max WS	UF_Tr30_D3_int	30.73	333.44	335.64	335.83	336.52	0.022616	4.15	0.54	0.48	7.49	7.18	1.22
Rignano	197.89	Max WS	UF_Tr30_D6_int	19.12	333.44	335.32	335.44	335.96	0.022595	3.55			5.39	5.77	1.17
Rignano	197.87*	Max WS	UF_Tr30_D1_int	40.01	333.15	335.37	335.62	336.41	0.025298	4.53	0.37		8.85	7.56	1.32
Rignano	197.87*	Max WS	UF_Tr30_D3_int	30.85	333.15	335.18	335.38	336.04	0.024372	4.10			7.52	7.06	1.27
Rignano	197.87*	Max WS	UF_Tr30_D6_int	19.03	333.15	334.86	335.00	335.51	0.024080	3.55			5.36	6.29	1.23
Rignano	197.84*	Max WS	UF_Tr30_D1_int	40.00	332.86	334.86	335.17	335.99	0.026743	4.72	0.39	0.53	8.58	8.58	1.40
Rignano	197.84*	Max WS	UF_Tr30_D3_int	30.85	332.86	334.69	334.94	335.61	0.026274	4.25			7.26	7.19	1.35
Rignano	197.84*	Max WS	UF_Tr30_D6_int	19.02	332.86	334.41	334.54	335.05	0.022507	3.54			5.37	6.24	1.22
Rignano	197.82*	Max WS	UF_Tr30_D1_int	39.92	332.58	334.37	334.64	335.39	0.022866	4.50	0.81	1.07	9.29	9.64	1.34
Rignano	197.82*	Max WS	UF_Tr30_D3_int	30.85	332.58	334.21	334.42	335.05	0.022964	4.07	0.60	0.80	7.78	9.14	1.31
Rignano	197.82*	Max WS	UF_Tr30_D6_int	19.00	332.58	333.96	334.09	334.55	0.023633	3.39		0.40	5.62	7.96	1.27
Rignano	197.79*	Max WS	UF_Tr30_D1_int	39.86	332.29	333.97	334.15	334.81	0.018120	4.22	0.82	1.59	10.91	10.79	1.23
Rignano	197.79*	Max WS	UF_Tr30_D3_int	30.85	332.29	333.81	333.94	334.50	0.017774	3.80	0.64	1.39	9.23	10.46	1.19
Rignano	197.79*	Max WS	UF_Tr30_D6_int	18.99	332.29	333.55	333.64	334.05	0.018387	3.20	0.25	1.03	6.57	9.95	1.15
Rignano	197.77*	Max WS	UF_Tr30_D1_int	39.73	332.00	333.57	333.80	334.49	0.022373	4.24	0.24	0.55	9.41	9.42	1.32
Rignano	197.77*	Max WS	UF_Tr30_D3_int	30.85	332.00	333.42	333.59	334.18	0.021976	3.84		0.33	8.03	8.91	1.28
Rignano	197.77*	Max WS	UF_Tr30_D6_int	18.96	332.00	333.16	333.27	333.70	0.021484	3.26			5.81	8.04	1.22
Rignano	197.74	Max WS	UF_Tr30_D1_int	37.72	331.71	333.30		333.57	0.005798	2.33	0.30	0.71	16.96	16.47	0.70
Rignano	197.74	Max WS	UF_Tr30_D3_int	30.11	331.71	333.15		333.38	0.005956	2.15	0.16	0.60	14.54	16.12	0.69
Rignano	197.74	Max WS	UF_Tr30_D6_int	18.94	331.71	332.89		333.06	0.006460	1.85		0.32	10.40	15.61	0.69
Rignano	197.72*	Max WS	UF_Tr30_D1_int	32.72	331.51	333.24		333.49	0.004363	2.26	0.59	0.67	15.63	13.18	0.63
Rignano	197.72*	Max WS	UF_Tr30_D3_int	27.39	331.51	333.06		333.30	0.004956	2.20	0.53	0.65	13.33	12.90	0.65
Rignano	197.72*	Max WS	UF_Tr30_D6_int	18.83	331.51	332.75		332.97	0.006769	2.09	0.40	0.55	9.41	12.32	0.72
Rignano	197.69*	Max WS	UF_Tr30_D1_int	33.22	331.31	333.20		333.39	0.003139	1.96	0.41	0.59	18.41	15.62	0.53
Rignano	197.69*	Max WS	UF_Tr30_D3_int	28.98	331.31	332.97		333.18	0.004493	2.08	0.34	0.54	14.84	15.29	0.62
Rignano	197.69*	Max WS	UF_Tr30_D6_int	18.83	331.31	332.63		332.82	0.006173	1.94	0.07	0.16	9.83	14.51	0.68
Rignano	197.67*	Max WS	UF_Tr30_D1_int	36.66	331.12	333.09		333.31	0.003260	2.10	0.52	0.48	19.57	18.02	0.55
Rignano	197.67*	Max WS	UF_Tr30_D3_int	30.15	331.12	332.88		333.09	0.003835	2.06	0.46	0.32	15.78	17.58	0.58
Rignano	197.67*	Max WS	UF_Tr30_D6_int	18.82	331.12	332.54		332.69	0.004309	1.77	0.32	0.27	10.79	12.64	0.58
Rignano	197.64	Max WS	UF_Tr30_D1_int	39.43	330.92	333.02		333.21	0.003118	1.97	0.34	0.20	20.59	18.43	0.53
Rignano	197.64	Max WS	UF_Tr30_D3_int	30.81	330.92	332.83		332.99	0.003054	1.77	0.24	0.12	17.50	15.40	0.51
Rignano	197.64	Max WS	UF_Tr30_D6_int	18.82	330.92	332.50		332.61	0.003001	1.48			12.70	13.30	0.48
Rignano	197.61	Max WS	UF_Tr30_D1_int	39.43	330.80	332.91		333.34	0.008178	2.91			13.56	10.29	0.81
Rignano	197.61	Max WS	UF_Tr30_D3_int	30.81	330.80	332.71		333.07	0.007756	2.67			11.55	9.64	0.78
Rignano	197.61	Max WS	UF_Tr30_D6_int	18.82	330.80	332.35		332.61	0.006996	2.26			8.34	8.36	0.72
Rignano	197.58*	Max WS	UF_Tr30_D1_int	39.43	330.69	332.75		333.18	0.008417	2.92			13.51	10.53	0.82
Rignano	197.58*	Max WS	UF_Tr30_D3_int	30.81	330.69	332.55		332.92	0.008021	2.67			11.53	9.96	0.79
Rignano	197.58*	Max WS	UF_Tr30_D6_int	18.82	330.69	332.21		332.47	0.007203	2.25			8.35	8.67	0.73
Rignano	197.56*	Max WS	UF_Tr30_D1_int	39.43	330.58	332.58		333.02	0.008759	2.93			13.44	10.80	0.84

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	197.56*	Max WS	UF_Tr30_D3_int	30.81	330.58	332.39		332.76	0.008275	2.68			11.50	10.21	0.81
Rignano	197.56*	Max WS	UF_Tr30_D6_int	18.82	330.58	332.07		332.33	0.007465	2.25			8.36	9.02	0.75
Rignano	197.53*	Max WS	UF_Tr30_D1_int	39.43	330.46	332.40		332.85	0.009452	2.97			13.29	11.25	0.87
Rignano	197.53*	Max WS	UF_Tr30_D3_int	30.80	330.46	332.23		332.60	0.008675	2.70			11.43	10.50	0.83
Rignano	197.53*	Max WS	UF_Tr30_D6_int	18.81	330.46	331.92		332.18	0.007806	2.25			8.36	9.39	0.76
Rignano	197.51*	Max WS	UF_Tr30_D1_int	39.43	330.35	332.21		332.67	0.010174	3.01	0.17	0.04	13.10	11.86	0.90
Rignano	197.51*	Max WS	UF_Tr30_D3_int	30.80	330.35	332.05		332.43	0.009521	2.73			11.27	11.00	0.86
Rignano	197.51*	Max WS	UF_Tr30_D6_int	18.81	330.35	331.76		332.03	0.008202	2.26			8.31	9.69	0.78
Rignano	197.48*	Max WS	UF_Tr30_D1_int	39.43	330.23	332.01	331.96	332.50	0.010761	3.09	0.42	0.10	12.86	12.51	0.93
Rignano	197.48*	Max WS	UF_Tr30_D3_int	30.80	330.23	331.86		332.26	0.010342	2.79	0.23		11.05	11.62	0.90
Rignano	197.48*	Max WS	UF_Tr30_D6_int	18.81	330.23	331.60		331.86	0.008938	2.29			8.21	10.10	0.81
Rignano	197.45*	Max WS	UF_Tr30_D1_int	39.43	330.12	331.79	331.79	332.33	0.011442	3.25	0.62	0.51	12.52	13.05	0.98
Rignano	197.45*	Max WS	UF_Tr30_D3_int	30.80	330.12	331.65	331.61	332.08	0.010874	2.91	0.46	0.35	10.78	12.20	0.93
Rignano	197.45*	Max WS	UF_Tr30_D6_int	18.81	330.12	331.41		331.69	0.010177	2.35	0.13		8.01	10.71	0.86
Rignano	197.43*	Max WS	UF_Tr30_D1_int	39.35	330.01	331.54	331.62	332.15	0.014069	3.48	0.90	0.50	11.97	13.44	1.08
Rignano	197.43*	Max WS	UF_Tr30_D3_int	30.80	330.01	331.42	331.45	331.91	0.013332	3.11	0.69	0.33	10.29	12.94	1.03
Rignano	197.43*	Max WS	UF_Tr30_D6_int	18.81	330.01	331.19	331.16	331.51	0.012133	2.51	0.41		7.59	11.31	0.94
Rignano	197.40	Max WS	UF_Tr30_D1_int	33.89	329.89	331.27	331.30	331.75	0.014084	3.18	1.35		11.66	13.03	1.05
Rignano	197.40	Max WS	UF_Tr30_D3_int	27.45	329.89	331.15	331.17	331.57	0.013975	2.95	1.23		10.15	12.73	1.03
Rignano	197.40	Max WS	UF_Tr30_D6_int	17.80	329.89	330.94	330.95	331.26	0.014135	2.57	0.99		7.52	12.10	1.00
Rignano	197.37	Max WS	UF_Tr30_D1_int	33.89	329.63	330.98	331.07	331.65	0.015451	3.66	0.97	1.03	9.97	10.01	1.13
Rignano	197.37	Max WS	UF_Tr30_D3_int	27.45	329.63	330.87	330.93	331.42	0.014476	3.30	0.90	0.90	8.90	10.01	1.08
Rignano	197.37	Max WS	UF_Tr30_D6_int	17.80	329.63	330.67	330.68	331.05	0.013666	2.74	0.79	0.63	6.87	10.01	1.01
Rignano	197.365		Lat Struct												
Rignano	197.36		Lat Struct												
Rignano	197.35*	Max WS	UF_Tr30_D1_int	20.26	329.31	330.75		331.09	0.007734	2.63	0.91	0.43	8.60	8.73	0.80
Rignano	197.35*	Max WS	UF_Tr30_D3_int	16.73	329.31	330.66		330.94	0.007068	2.38	0.81	0.37	7.81	8.68	0.75
Rignano	197.35*	Max WS	UF_Tr30_D6_int	11.64	329.31	330.47		330.68	0.007170	2.08	0.66	0.28	6.12	8.57	0.73
Rignano	197.32	Max WS	UF_Tr30_D1_int	19.78	328.98	330.59	330.50	330.95	0.008884	2.75	0.90	0.47	8.36	10.73	0.83
Rignano	197.32	Max WS	UF_Tr30_D3_int	16.64	328.98	330.51		330.82	0.008163	2.52	0.80	0.36	7.49	10.00	0.79
Rignano	197.32	Max WS	UF_Tr30_D6_int	12.10	328.98	330.30		330.58	0.009683	2.35	0.64	0.26	5.59	8.50	0.83
Rignano	197.29*	Max WS	UF_Tr30_D1_int	23.82	328.68	330.38	330.39	330.91	0.012159	3.23	0.77	0.58	7.83	8.55	0.97
Rignano	197.29*	Max WS	UF_Tr30_D3_int	20.86	328.68	330.32	330.30	330.78	0.011299	3.00	0.67	0.49	7.31	8.42	0.92
Rignano	197.29*	Max WS	UF_Tr30_D6_int	14.47	328.68	330.08	330.06	330.46	0.013144	2.73	0.37	0.14	5.36	7.21	0.95
Rignano	197.27*	Max WS	UF_Tr30_D1_int	23.44	328.37	330.16	330.14	330.63	0.011225	3.07	0.50	0.34	7.97	9.94	0.92
Rignano	197.27*	Max WS	UF_Tr30_D3_int	21.77	328.37	330.10	330.05	330.56	0.011498	3.00	0.41	0.36	7.43	8.62	0.92
Rignano	197.27*	Max WS	UF_Tr30_D6_int	14.94	328.37	329.80	329.81	330.22	0.015167	2.84	0.06		5.26	6.51	1.01
Rignano	197.24*	Max WS	UF_Tr30_D1_int	23.02	328.07	329.95	329.83	330.36	0.009473	2.82	0.42	0.34	8.42	9.48	0.84
Rignano	197.24*	Max WS	UF_Tr30_D3_int	21.74	328.07	329.89	329.79	330.29	0.010330	2.83	0.36	0.25	7.82	8.80	0.86
Rignano	197.24*	Max WS	UF_Tr30_D6_int	14.94	328.07	329.52	329.49	329.94	0.014502	2.88			5.18	5.86	0.98
Rignano	197.21*	Max WS	UF_Tr30_D1_int	22.67	327.76	329.79		330.12	0.007584	2.57	0.43		8.95	7.92	0.74
Rignano	197.21*	Max WS	UF_Tr30_D3_int	21.73	327.76	329.70		330.06	0.008638	2.65	0.33		8.28	7.80	0.78
Rignano	197.21*	Max WS	UF_Tr30_D6_int	14.93	327.76	329.25		329.65	0.012376	2.79			5.35	5.47	0.90
Rignano	197.19*	Max WS	UF_Tr30_D1_int	22.23	327.45	329.88		329.92	0.004887	2.17	0.35	0.35	10.51	9.04	0.60
Rignano	197.19*	Max WS	UF_Tr30_D3_int	21.73	327.45	329.55		329.83	0.006562	2.35	0.23	0.26	9.36	9.04	0.68
Rignano	197.19*	Max WS	UF_Tr30_D6_int	14.93	327.45	329.04		329.37	0.009476	2.55			5.85	5.44	0.79
Rignano	197.16	Max WS	UF_Tr30_D1_int	22.37	327.15	329.64		329.81	0.003069	1.85	0.32	0.19	12.34	8.91	0.48
Rignano	197.16	Max WS	UF_Tr30_D3_int	21.26	327.15	329.48		329.68	0.004050	1.97	0.23	0.17	10.90	8.91	0.54
Rignano	197.16	Max WS	UF_Tr30_D6_int	14.92	327.15	328.89		329.14	0.006425	2.22			6.72	5.63	0.65
Rignano	197.13*	Max WS	UF_Tr30_D1_int	22.21	327.01	329.62		329.76	0.001849	1.69	0.35	0.27	13.83	8.96	0.39
Rignano	197.13*	Max WS	UF_Tr30_D3_int	20.98	327.01	329.45		329.61	0.002250	1.75	0.33	0.29	12.39	8.30	0.42
Rignano	197.13*	Max WS	UF_Tr30_D6_int	14.92	327.01	328.81		329.01	0.004865	1.97			7.56	6.39	0.58
Rignano	197.11*	Max WS	UF_Tr30_D1_int	22.39	326.88	329.63		329.73	0.001285	1.38	0.29	0.22	16.91	11.00	0.33
Rignano	197.11*	Max WS	UF_Tr30_D3_int	21.45	326.88	329.45		329.56	0.001690	1.47	0.28	0.14	14.92	11.00	0.37
Rignano	197.11*	Max WS	UF_Tr30_D6_int	15.07	326.88	328.76		328.91	0.003563	1.73			8.71	7.32	0.51
Rignano	197.08*	Max WS	UF_Tr30_D1_int	23.15	326.74	329.61		329.70	0.000875	1.32	0.34	0.27	19.91	12.69	0.28
Rignano	197.08*	Max WS	UF_Tr30_D3_int	22.91	326.74	329.41		329.52	0.001210	1.45	0.36	0.23	17.36	12.69	0.33
Rignano	197.08*	Max WS	UF_Tr30_D6_int	15.57	326.74	328.72		328.84	0.002420	1.55	0.14	0.18	10.13	8.58	0.43
Rignano	197.05*	Max WS	UF_Tr30_D1_int	26.06	326.60	329.60		329.66	0.000743	1.18	0.29	0.30	24.56	15.02	0.26
Rignano	197.05*	Max WS	UF_Tr30_D3_int	25.31	326.60	329.40		329.48	0.001007	1.28	0.28	0.30	21.54	15.02	0.30
Rignano	197.05*	Max WS	UF_Tr30_D6_int	16.52	326.60	328.68		328.78	0.002165	1.39			11.87	9.99	0.41
Rignano	197.03*	Max WS	UF_Tr30_D1_int	30.42	326.47	329.56		329.63	0.000757	1.24	0.31	0.33	27.05	15.12	0.27
Rignano	197.03*	Max WS	UF_Tr30_D3_int	28.09	326.47	329.36		329.44	0.000892	1.26	0.30	0.31	24.16	15.12	0.29
Rignano	197.03*	Max WS	UF_Tr30_D6_int	17.81	326.47	328.64		328.73	0.001707	1.30	0.09	0.03	13.77	11.34	0.37
Rignano	197	Max WS	UF_Tr30_D1_int	32.22	326.33	329.54	328.07	329.61	0.000601	1.16	0.31	0.32	31.41	17.16	0.24
Rignano	197	Max WS	UF_Tr30_D3_int	29.36	326.33	329.36	328.00	329.42	0.000677	1.16	0.29	0.30	28.16	17.16	0.25
Rignano	197	Max WS	UF_Tr30_D6_int	18.55	326.33	328.63	327.64	328.69	0.001181	1.16	0.13	0.10	16.20	13.29	0.31
Rignano	196.98		Bridge												
Rignano	196.97	Max WS	UF_Tr30_D1_int	32.22	326.38	328.51		328.99	0.010383	3.09		0.29	10.47	9.26	0.89
Rignano	196.97	Max WS	UF_Tr30_D3_int	29.36	326.38	328.43		328.89	0.010526	3.01		0.18	9.76	8.70	0.89
Rignano	196.97	Max WS	UF_Tr30_D6_int	18.55	326.38	328.06		328.43	0.010657	2.68			6.92	7.15	0.87
Rignano	196.94*	Max WS	UF_Tr30_D1_int	32.35	326.22	328.33		328.78	0.008773	2.97	0.33	0.62	11.55	11.47	0.83
Rignano	196.94*	Max WS	UF_Tr30_D3_int	29.38	326.22	328.25	328.15	328.67	0.009212	2.90	0.24	0.51	10.57	11.28	0.84
Rignano	196.94*	Max WS	UF_Tr30_D6_int	18.54	326.22	327.87		328.23	0.010266	2.63			7.05	7.34	0.86
Rignano	196.91*	Max WS	UF_Tr30_D1_int	32.35	326.06	328.17		328.60	0.009667	2.90		0.31	11.25	10.57	0.86
Rignano	196.91*	Max WS	UF_Tr30_D3_int	29.38	326.06	328.08		328.49	0.009405	2.85		0.17	10.34	9.44	0.84
Rignano	196.91*	Max WS	UF_Tr30_D6_int	18.54	326.06	327.70		328.03	0.009562	2.57			7.22	7.40	0.83
Rignano	196.88*	Max WS	UF_Tr30_D1_int	32.35	325.90	328.01		328.40	0.008062	2.77	0.20	0.20	11.69	10.04	0.80
Rignano	196.88*	Max WS	UF_Tr30_D3_int	29.38	325.90	327.92		328.29	0.008569	2.72	0.05	0.06	10.81	9.55	0.81

HEC-RAS River: Rignano Reach: Rignano 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rignano	196.88*	Max WS	UF_Tr30_D6_int	18.54	325.90	327.53		327.84	0.008715	2.47			7.50	7.65	0.80
Rignano	196.85*	Max WS	UF_Tr30_D1_int	32.35	325.74	327.87		328.22	0.007574	2.63		0.13	12.29	10.44	0.77
Rignano	196.85*	Max WS	UF_Tr30_D3_int	29.38	325.74	327.77		328.11	0.007733	2.59			11.35	9.92	0.77
Rignano	196.85*	Max WS	UF_Tr30_D6_int	18.54	325.74	327.39		327.67	0.007509	2.34			7.93	7.85	0.74
Rignano	196.82*	Max WS	UF_Tr30_D1_int	32.35	325.58	327.74		328.05	0.006631	2.48		0.10	13.04	10.97	0.72
Rignano	196.82*	Max WS	UF_Tr30_D3_int	29.38	325.58	327.65		327.95	0.006600	2.43			12.08	10.30	0.72
Rignano	196.82*	Max WS	UF_Tr30_D6_int	18.54	325.58	327.28		327.51	0.005939	2.14			8.65	8.20	0.67
Rignano	196.79	Max WS	UF_Tr30_D1_int	32.35	325.42	327.65		327.93	0.004281	2.36	0.35	0.39	14.25	11.82	0.60
Rignano	196.79	Max WS	UF_Tr30_D3_int	29.38	325.42	327.56		327.82	0.004351	2.28	0.31	0.34	13.20	10.97	0.60
Rignano	196.79	Max WS	UF_Tr30_D6_int	18.54	325.42	327.21		327.39	0.004251	1.89		0.06	9.80	8.77	0.57
Rignano	196.76*	Max WS	UF_Tr30_D1_int	25.12	325.25	327.67	326.86	327.84	0.002171	1.82	0.43	0.21	14.46	8.83	0.43
Rignano	196.76*	Max WS	UF_Tr30_D3_int	23.72	325.25	327.59	326.81	327.75	0.002270	1.80	0.43	0.17	13.72	8.64	0.43
Rignano	196.76*	Max WS	UF_Tr30_D6_int	17.38	325.25	327.18	326.58	327.33	0.002843	1.72	0.38		10.35	8.00	0.47
Rignano	196.74		Bridge												
Rignano	196.72	Max WS	UF_Tr30_D1_int	25.12	325.07	326.66	326.70	327.22	0.015472	3.31			7.59	7.67	1.06
Rignano	196.72	Max WS	UF_Tr30_D3_int	23.72	325.07	326.62	326.66	327.16	0.015407	3.26			7.27	7.49	1.06
Rignano	196.72	Max WS	UF_Tr30_D6_int	17.35	325.07	326.41	326.43	326.87	0.015294	3.00			5.79	6.77	1.03
Rignano	196.69*	Max WS	UF_Tr30_D1_int	25.12	324.82	326.36	326.40	326.92	0.015214	3.32			7.57	7.51	1.05
Rignano	196.69*	Max WS	UF_Tr30_D3_int	23.72	324.82	326.32	326.36	326.86	0.015207	3.27			7.26	7.37	1.05
Rignano	196.69*	Max WS	UF_Tr30_D6_int	17.34	324.82	326.11	326.13	326.57	0.014871	2.98			5.82	6.73	1.02
Rignano	196.65*	Max WS	UF_Tr30_D1_int	25.12	324.57	326.06	326.09	326.62	0.014856	3.30			7.61	7.43	1.04
Rignano	196.65*	Max WS	UF_Tr30_D3_int	23.72	324.57	326.02	326.05	326.56	0.014783	3.25			7.31	7.29	1.04
Rignano	196.65*	Max WS	UF_Tr30_D6_int	17.34	324.57	325.83	325.83	326.26	0.014237	2.92			5.94	6.84	1.00
Rignano	196.62*	Max WS	UF_Tr30_D1_int	25.12	324.32	325.78	325.78	326.31	0.014030	3.24			7.75	7.39	1.01
Rignano	196.62*	Max WS	UF_Tr30_D3_int	23.72	324.32	325.74	325.74	326.25	0.013868	3.18			7.47	7.28	1.00
Rignano	196.62*	Max WS	UF_Tr30_D6_int	17.30	324.32	325.56	325.53	325.96	0.012813	2.79			6.19	7.02	0.95
Rignano	196.58*	Max WS	UF_Tr30_D1_int	25.11	324.07	325.51	325.48	326.01	0.012633	3.11			8.07	7.49	0.96
Rignano	196.58*	Max WS	UF_Tr30_D3_int	23.72	324.07	325.48	325.44	325.95	0.012417	3.04			7.81	7.45	0.95
Rignano	196.58*	Max WS	UF_Tr30_D6_int	16.91	324.07	325.33		325.65	0.009679	2.50			6.76	7.27	0.83
Rignano	196.55*	Max WS	UF_Tr30_D1_int	25.10	323.83	325.28		325.71	0.010468	2.90			8.66	7.70	0.87
Rignano	196.55*	Max WS	UF_Tr30_D3_int	23.72	323.83	325.25		325.66	0.010073	2.81			8.45	7.67	0.85
Rignano	196.55*	Max WS	UF_Tr30_D6_int	5.23	323.83	325.22		325.24	0.000537	0.64			8.18	7.64	0.20
Rignano	196.51*	Max WS	UF_Tr30_D1_int	2.51	323.58	325.21		325.22	0.000060	0.24			10.57	8.25	0.07
Rignano	196.51*	Max WS	UF_Tr30_D3_int	2.51	323.58	325.20		325.20	0.000063	0.24			10.44	8.20	0.07
Rignano	196.51*	Max WS	UF_Tr30_D6_int	5.23	323.58	325.22		325.23	0.000260	0.49			10.62	8.27	0.14
Rignano	196.48*	Max WS	UF_Tr30_D1_int	2.51	323.33	325.21		325.22	0.000033	0.19			13.25	9.11	0.05
Rignano	196.48*	Max WS	UF_Tr30_D3_int	2.51	323.33	325.20		325.20	0.000034	0.19			13.11	9.06	0.05
Rignano	196.48*	Max WS	UF_Tr30_D6_int	5.22	323.33	325.22		325.23	0.000142	0.39			13.31	9.13	0.10
Rignano	196.44*	Max WS	UF_Tr30_D1_int	2.51	323.08	325.21		325.22	0.000020	0.16			16.17	9.98	0.04
Rignano	196.44*	Max WS	UF_Tr30_D3_int	2.51	323.08	325.20		325.20	0.000020	0.16			16.02	9.93	0.04
Rignano	196.44*	Max WS	UF_Tr30_D6_int	5.21	323.08	325.22		325.23	0.000083	0.32			16.25	10.00	0.08
Rignano	196.41*	Max WS	UF_Tr30_D1_int	2.51	322.83	325.21		325.22	0.000012	0.13	0.01	0.01	19.67	14.18	0.03
Rignano	196.41*	Max WS	UF_Tr30_D3_int	2.51	322.83	325.20		325.20	0.000012	0.13	0.01	0.01	19.46	13.83	0.03
Rignano	196.41*	Max WS	UF_Tr30_D6_int	5.22	322.83	325.22		325.23	0.000049	0.27	0.02	0.02	19.78	14.36	0.06
Rignano	196.37*	Max WS	UF_Tr30_D1_int	2.33	322.58	325.21		325.22	0.000006	0.10	0.01	0.01	24.56	20.67	0.02
Rignano	196.37*	Max WS	UF_Tr30_D3_int	2.37	322.58	325.20		325.20	0.000006	0.10	0.01	0.01	24.25	20.67	0.02
Rignano	196.37*	Max WS	UF_Tr30_D6_int	5.02	322.58	325.22		325.23	0.000028	0.22	0.03	0.03	24.73	20.67	0.05
Rignano	196.34	Max WS	UF_Tr30_D1_int	0.02	322.33	325.22	322.37	325.22	0.000000	0.00	0.00	0.00	30.47	21.50	0.00
Rignano	196.34	Max WS	UF_Tr30_D3_int	0.33	322.33	325.20	322.45	325.20	0.000000	0.01	0.00	0.00	30.14	21.50	0.00
Rignano	196.34	Max WS	UF_Tr30_D6_int	2.95	322.33	325.23	322.66	325.23	0.000006	0.11	0.02	0.02	30.70	21.50	0.02
Rignano	196.33		Bridge												
Rignano	196.31	Max WS	UF_Tr30_D1_int	0.03	322.33	325.22		325.22	0.000000	0.00	0.00	0.00	30.47	21.50	0.00
Rignano	196.31	Max WS	UF_Tr30_D3_int	0.33	322.33	325.20		325.20	0.000000	0.01	0.00	0.00	30.14	21.50	0.00
Rignano	196.31	Max WS	UF_Tr30_D6_int	2.95	322.33	325.22		325.23	0.000006	0.11	0.02	0.02	30.67	21.50	0.00
Rignano	196.28*	Max WS	UF_Tr30_D1_int	3.61	322.23	325.21		325.21	0.000009	0.13	0.03	0.03	30.84	20.69	0.03
Rignano	196.28*	Max WS	UF_Tr30_D3_int	3.76	322.23	325.20		325.20	0.000010	0.14	0.03	0.03	30.52	20.69	0.03
Rignano	196.28*	Max WS	UF_Tr30_D6_int	6.10	322.23	325.22		325.22	0.000025	0.22	0.05	0.04	31.00	20.69	0.05
Rignano	196.24*	Max WS	UF_Tr30_D1_int	5.67	322.13	325.21		325.21	0.000021	0.21	0.05	0.04	31.11	19.88	0.04
Rignano	196.24*	Max WS	UF_Tr30_D3_int	5.83	322.13	325.20		325.20	0.000022	0.22	0.05	0.04	30.79	19.88	0.04
Rignano	196.24*	Max WS	UF_Tr30_D6_int	7.78	322.13	325.22		325.22	0.000039	0.28	0.07	0.06	31.24	19.88	0.06
Rignano	196.21*	Max WS	UF_Tr30_D1_int	12.50	322.02	325.20		325.21	0.000099	0.46	0.11	0.10	31.02	19.07	0.09
Rignano	196.21*	Max WS	UF_Tr30_D3_int	12.59	322.02	325.18		325.19	0.000103	0.47	0.11	0.10	30.71	19.07	0.10
Rignano	196.21*	Max WS	UF_Tr30_D6_int	14.08	322.02	325.20		325.21	0.000125	0.52	0.13	0.11	31.10	19.07	0.11
Rignano	196.17*	Max WS	UF_Tr30_D1_int	14.03	321.92	325.19		325.20	0.000122	0.52	0.13	0.11	31.01	18.26	0.11
Rignano	196.17*	Max WS	UF_Tr30_D3_int	14.07	321.92	325.17		325.19	0.000126	0.52	0.13	0.11	30.71	18.26	0.11
Rignano	196.17*	Max WS	UF_Tr30_D6_int	15.39	321.92	325.19		325.21	0.000146	0.56	0.14	0.12	31.08	18.26	0.12
Rignano	196.14*	Max WS	UF_Tr30_D1_int	15.07	321.82	325.18		325.20	0.000138	0.55	0.15	0.12	30.92	17.45	0.11
Rignano	196.14*	Max WS	UF_Tr30_D3_int	15.07	321.82	325.17		325.18	0.000141	0.56	0.15	0.12	30.64	17.45	0.11
Rignano	196.14*	Max WS	UF_Tr30_D6_int	16.37	321.82	325.19		325.20	0.000161	0.60	0.16	0.13	31.00	17.45	0.12
Rignano	196.10*	Max WS	UF_Tr30_D1_int	16.23	321.71	325.18		325.19	0.000157	0.60	0.16	0.13	30.73	16.64	0.12
Rignano	196.10*	Max WS	UF_Tr30_D3_int	16.13	321.71	325.16		325.18	0.000159	0.60	0.16	0.13	30.46	16.64	0.12
Rignano	196.10*	Max WS	UF_Tr30_D6_int	17.33	321.71	325.18		325.20	0.000178	0.64	0.17	0.14	30.80	16.64	0.13
Rignano	196.07*	Max WS	UF_Tr30_D1_int	17.97	321.61	325.16		325.19	0.000192	0.66	0.19	0.15	30.39	15.83	0.14
Rignano	196.07*	Max WS	UF_Tr30_D3_int	17.72	321.61	325.15		325.17	0.000191	0.66	0.18	0.14	30.14	15.83	0.13
Rignano	196.07*	Max WS	UF_Tr30_D6_int	18.80	321.61	325.17		325.19	0.000209	0.69	0.19	0.15	30.47	15.83	0.14
Rignano	196.03*	Max WS	UF_Tr30_D1_int	22.12	321.51	325.14		325.17	0.000298	0.83	0.23	0.18	29.72	15.02	0.17
Rignano	196.03*	Max WS	UF_Tr30_D3_int	21.38	321.51	325.12		325.16	0.000284	0.81	0.23	0.18	29.52	15.02	0.16
Rignano	196.03*	Max WS	UF_Tr30_D6_int	22.43	321.51	325.15		325.18	0.000303	0.84	0.24	0.19	29.83	15.02	0.17
Rignano	196	Max WS	UF_Tr30_D1_int	47.96	321.41	324.84	323.91	325.05	0.002182	2.07	0.56	0.37	25.14	14.21	0.45

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

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Vel Left	Vel Right	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m/s)	(m/s)	(m2)	(m)	
Rignano	196	Max WS	UF_Tr30_D3_int	47.01	321.41	324.84	323.89	325.04	0.002096	2.02	0.55	0.37	25.14	14.21	0.44
Rignano	196	Max WS	UF_Tr30_D6_int	49.52	321.41	324.84	323.95	325.07	0.002326	2.13	0.58	0.39	25.14	14.21	0.46



ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

ARCHIANO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

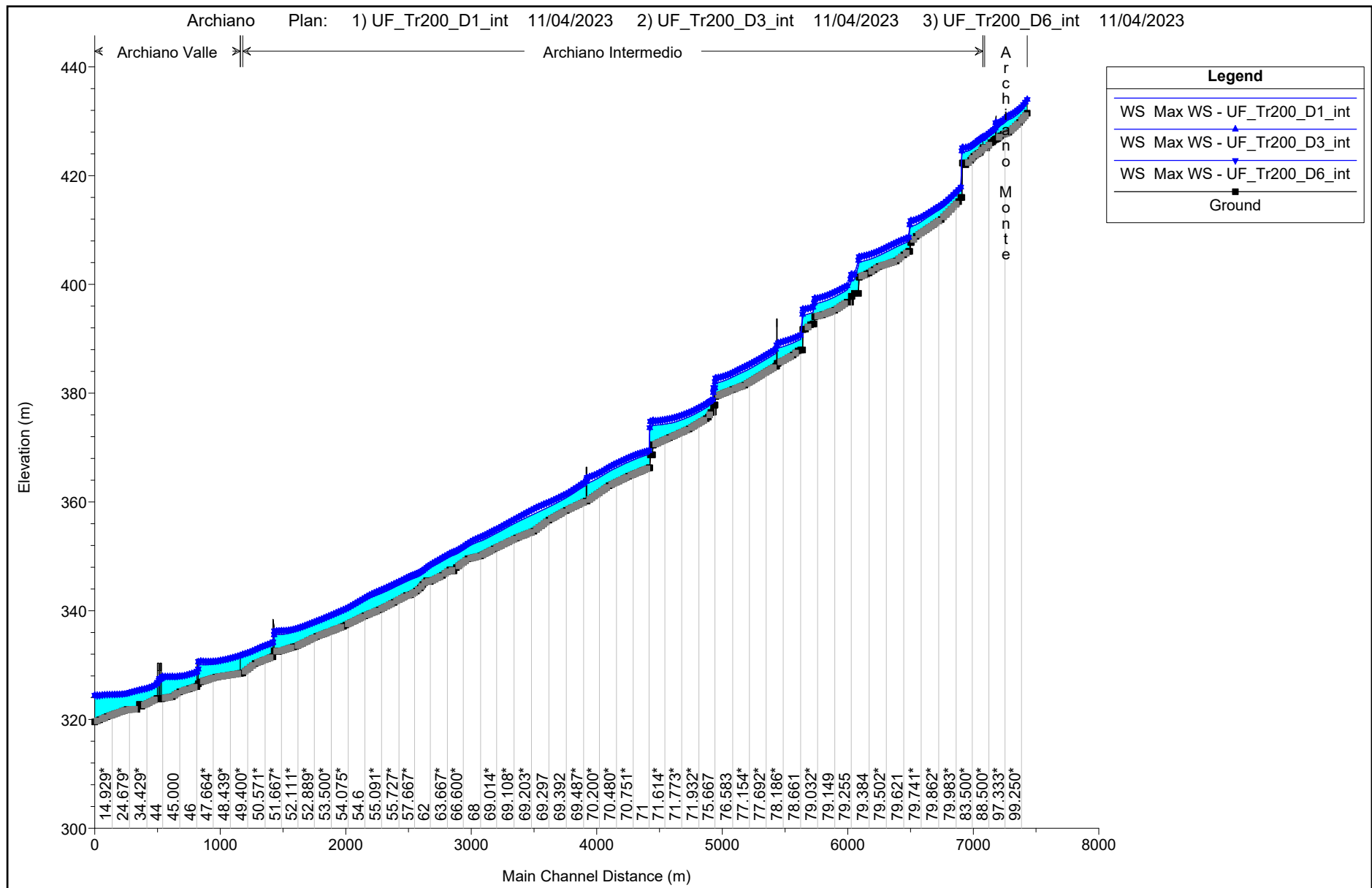
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

ARCHIANO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





ALLEGATI

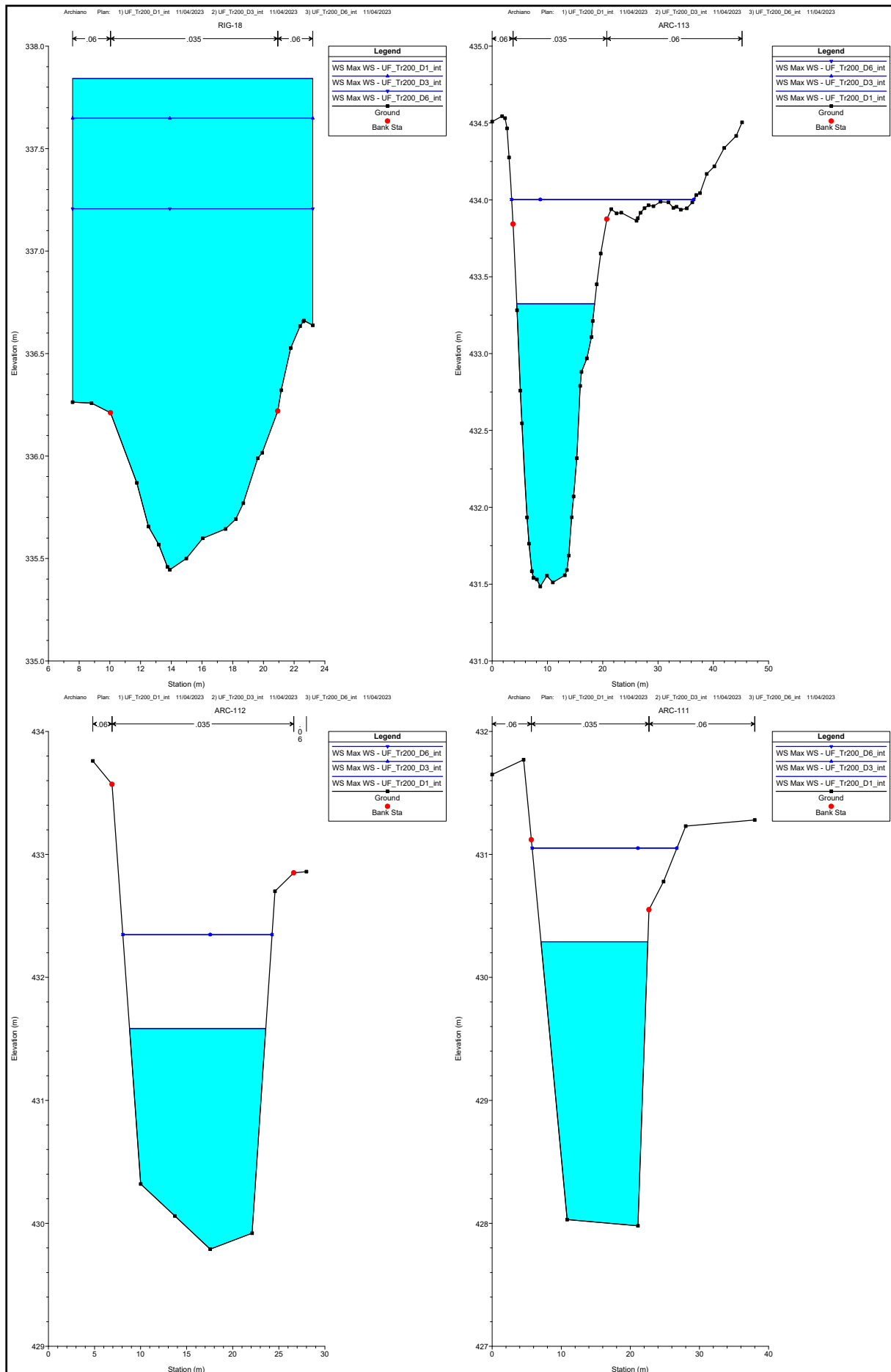
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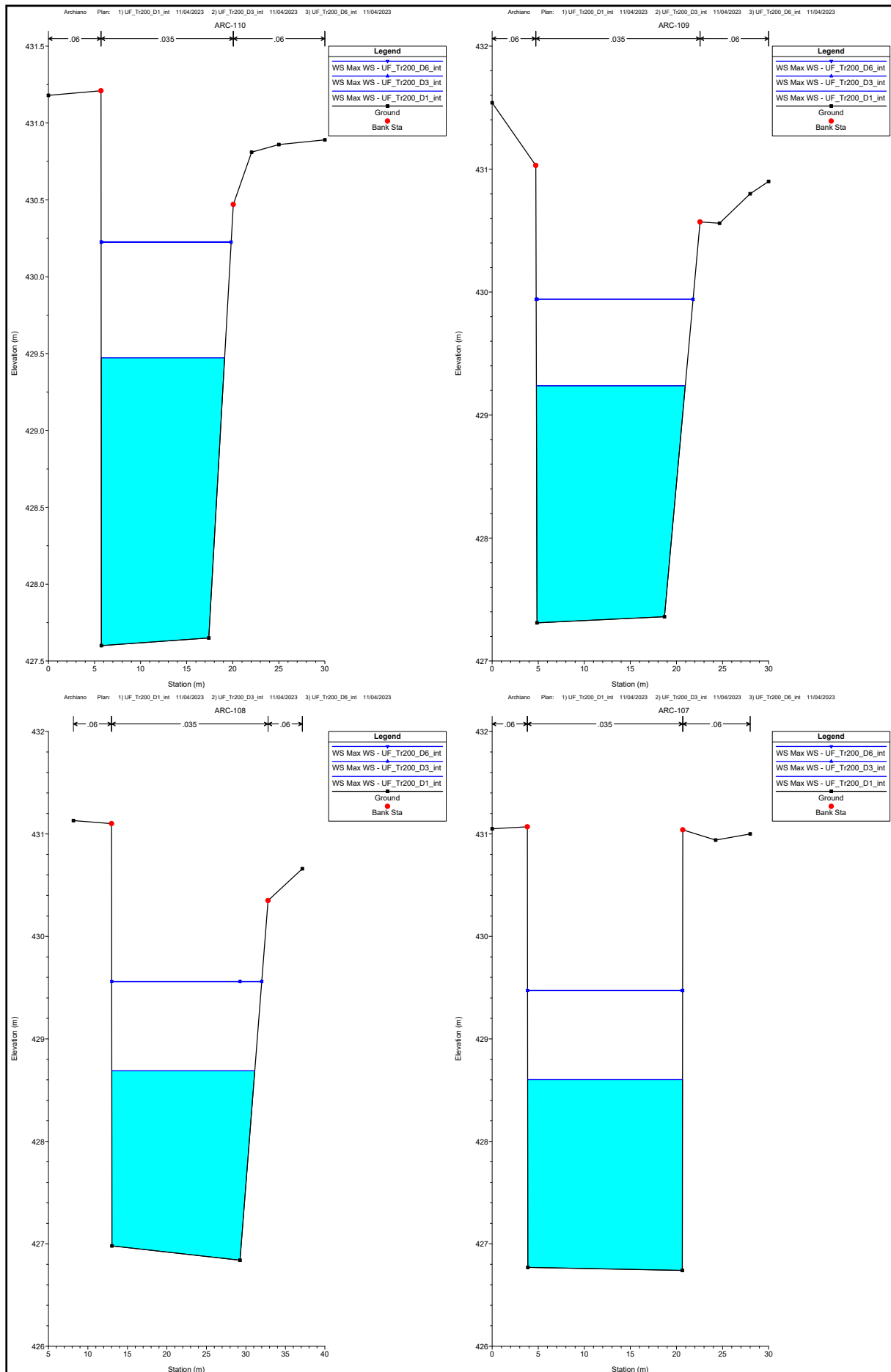
ARCHIANO

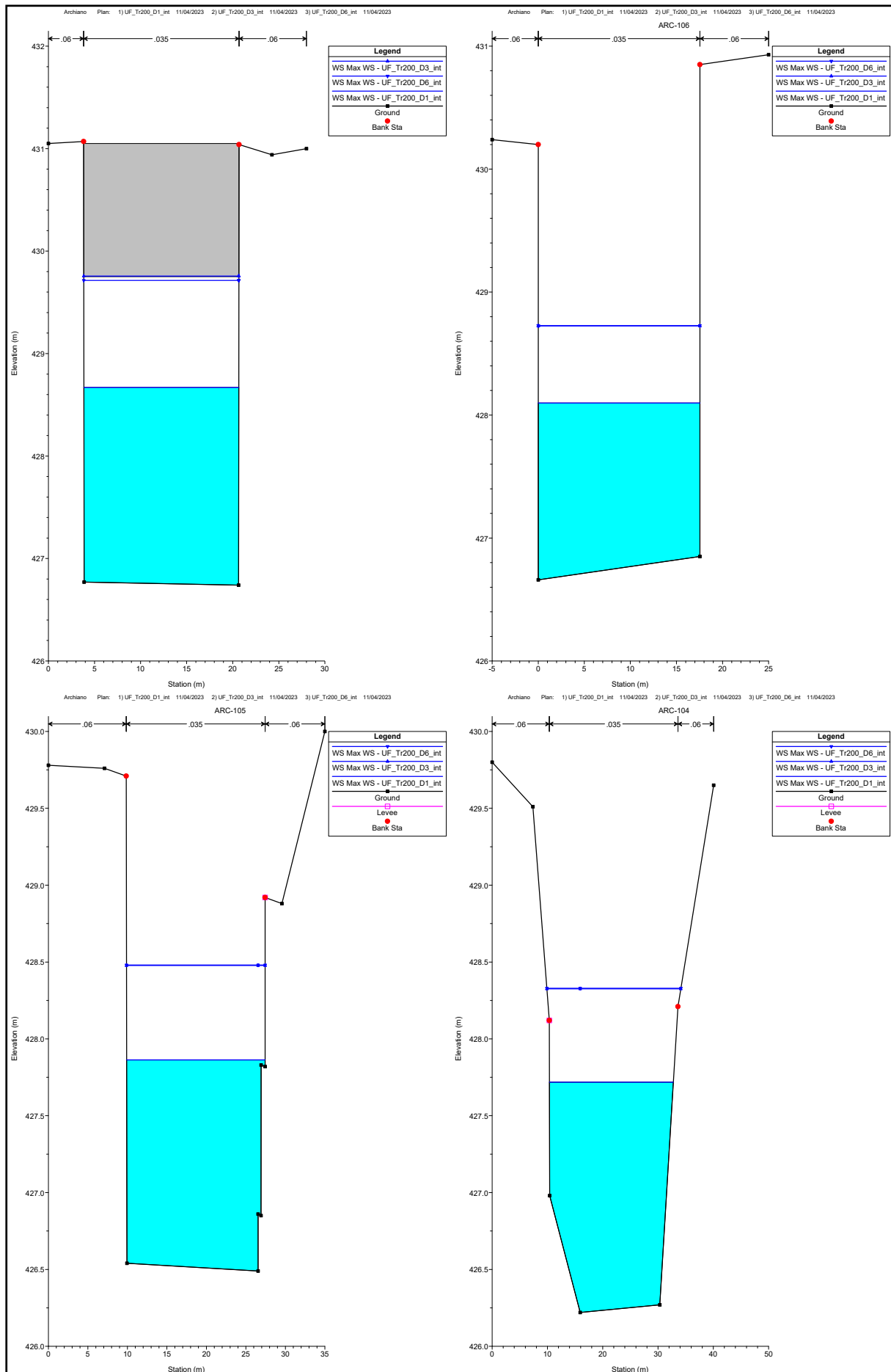
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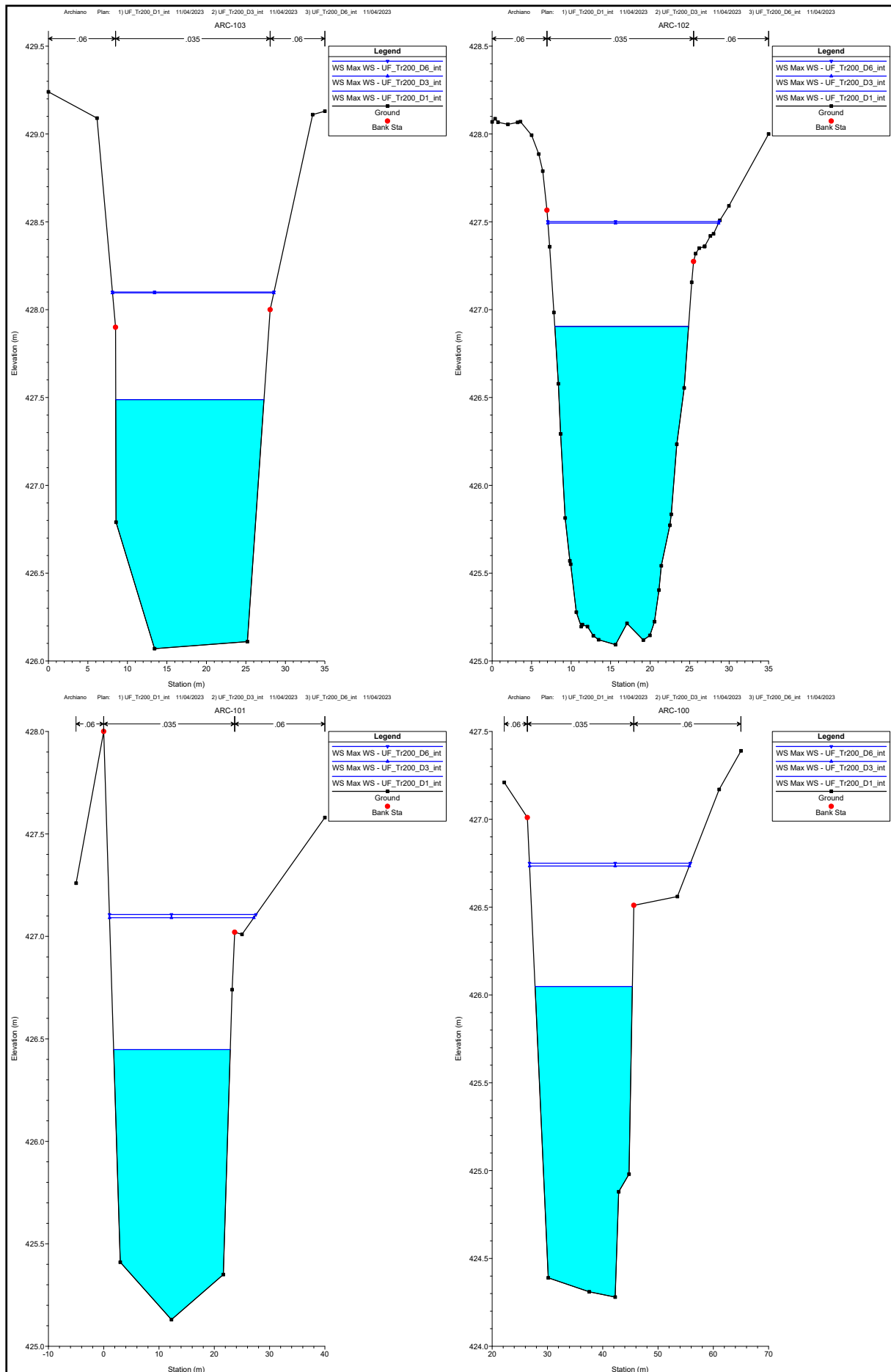
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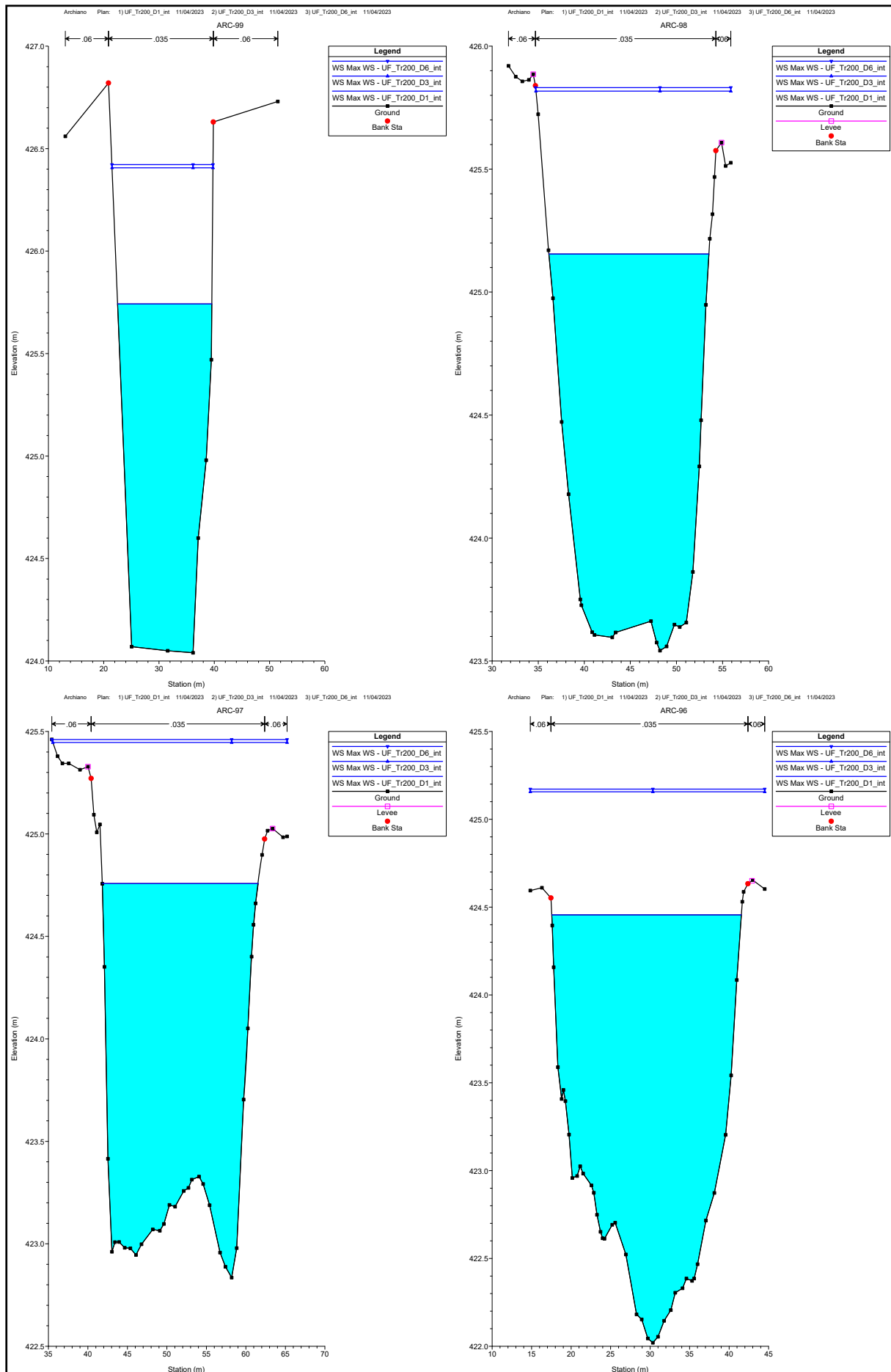
Sezioni Trasversali (da monte verso valle)

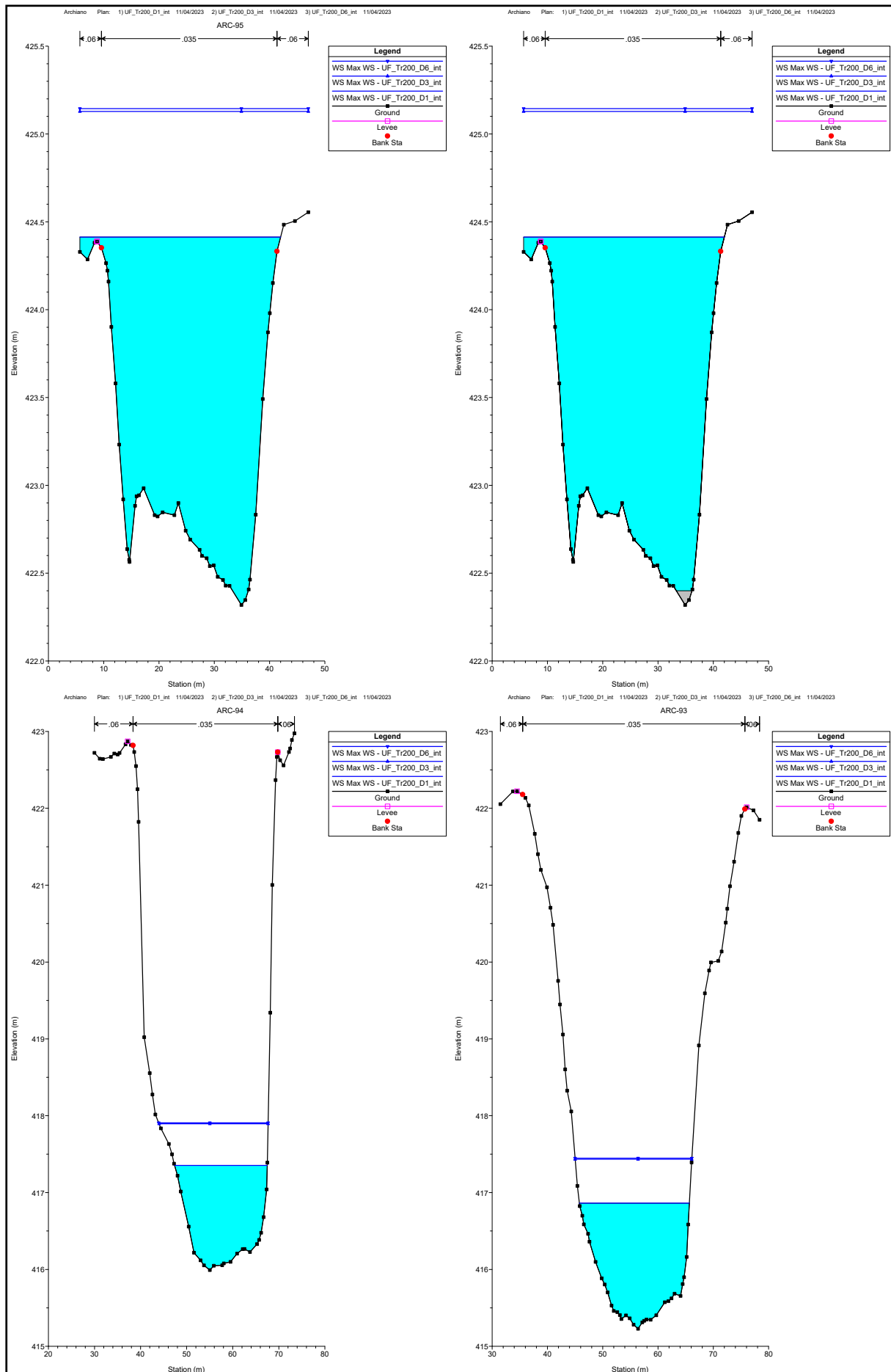


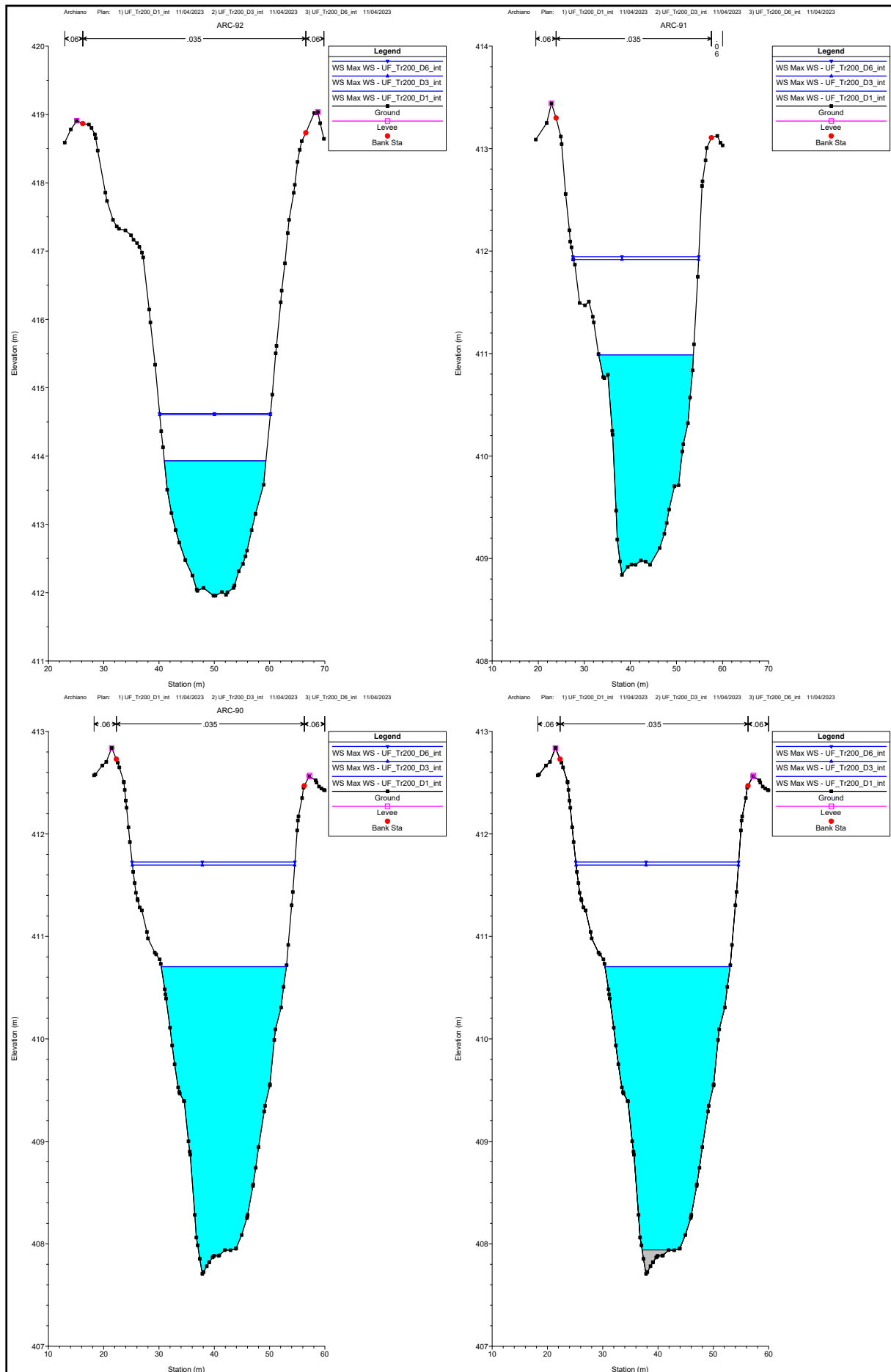


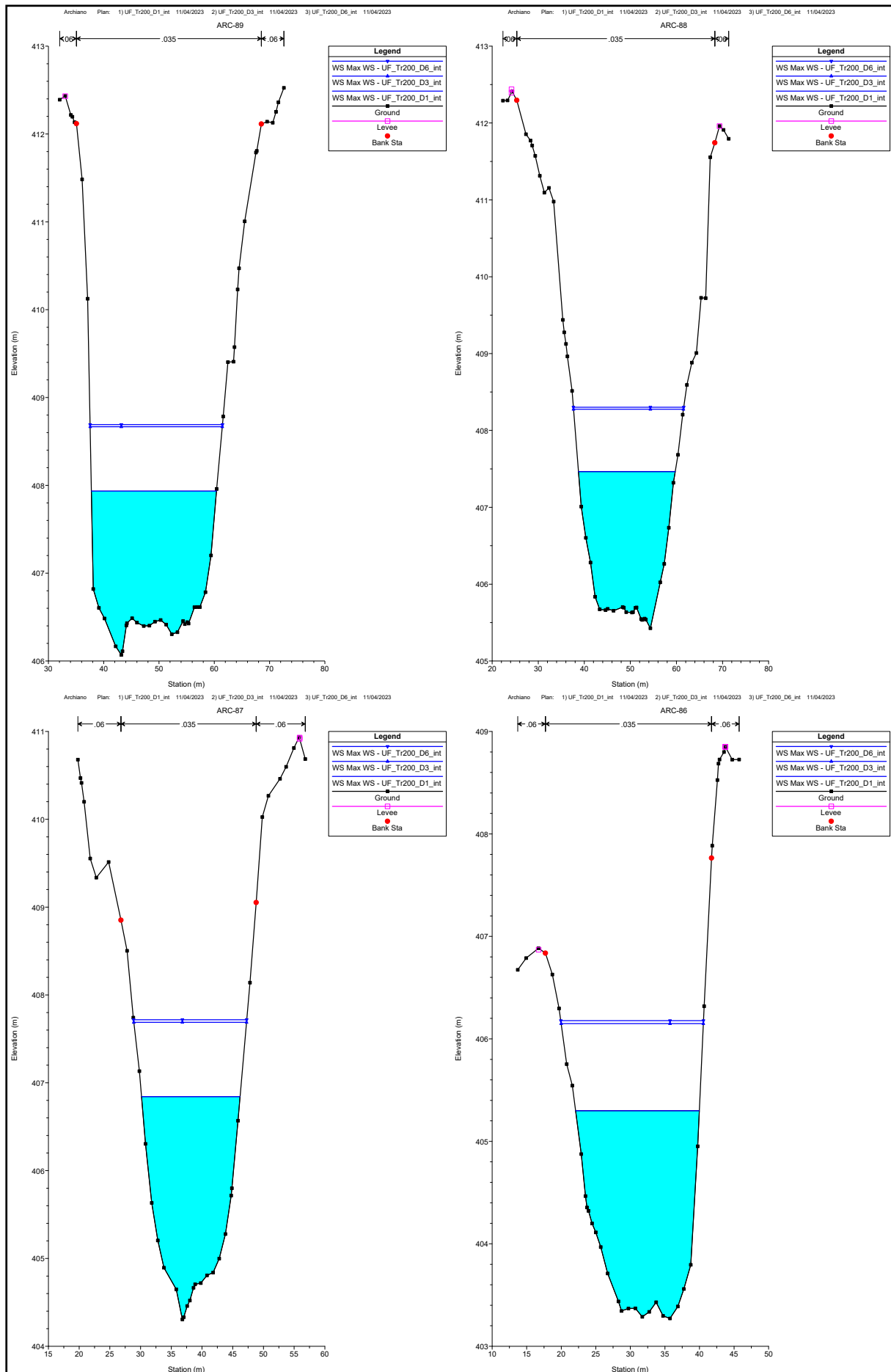


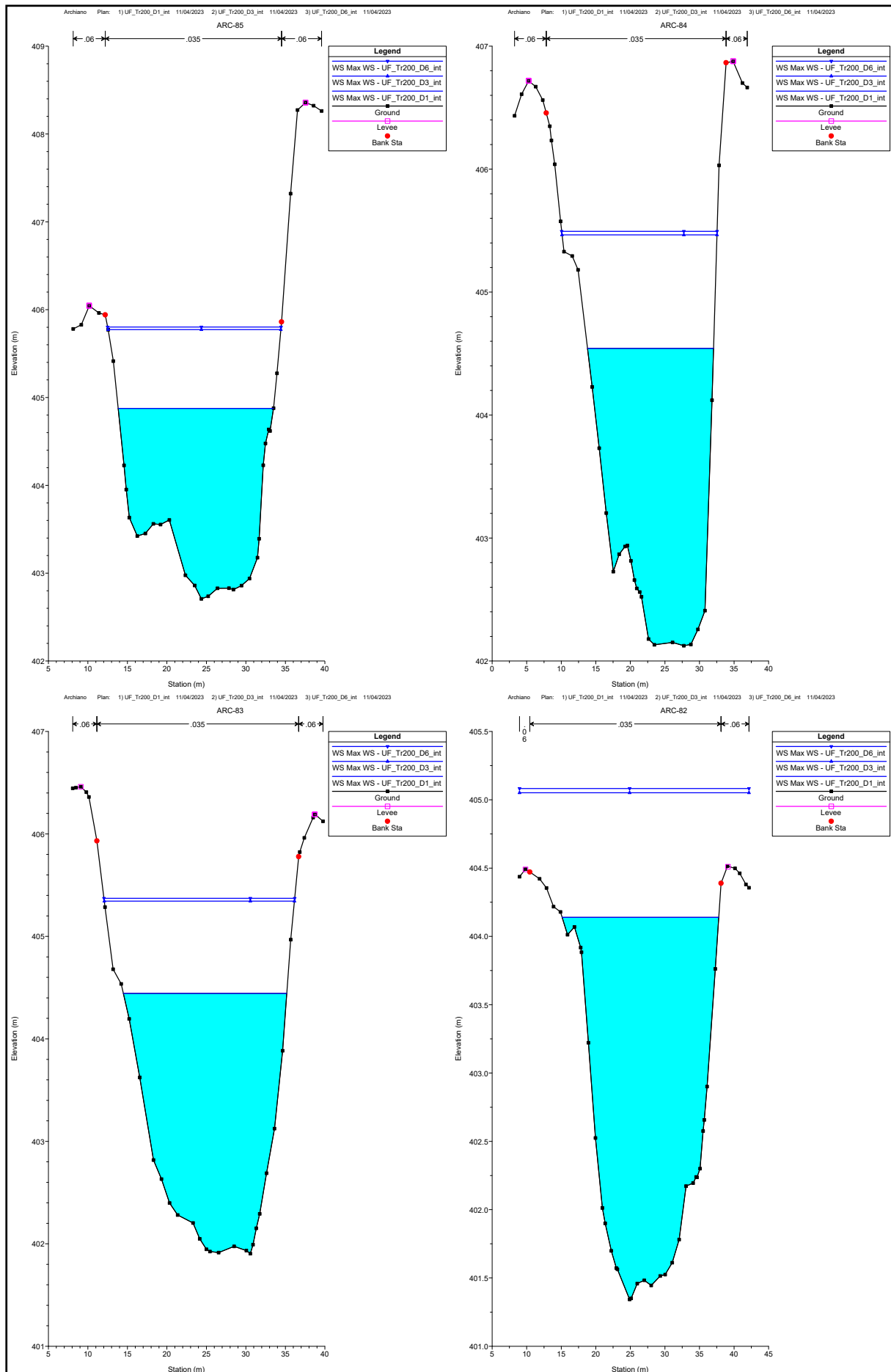


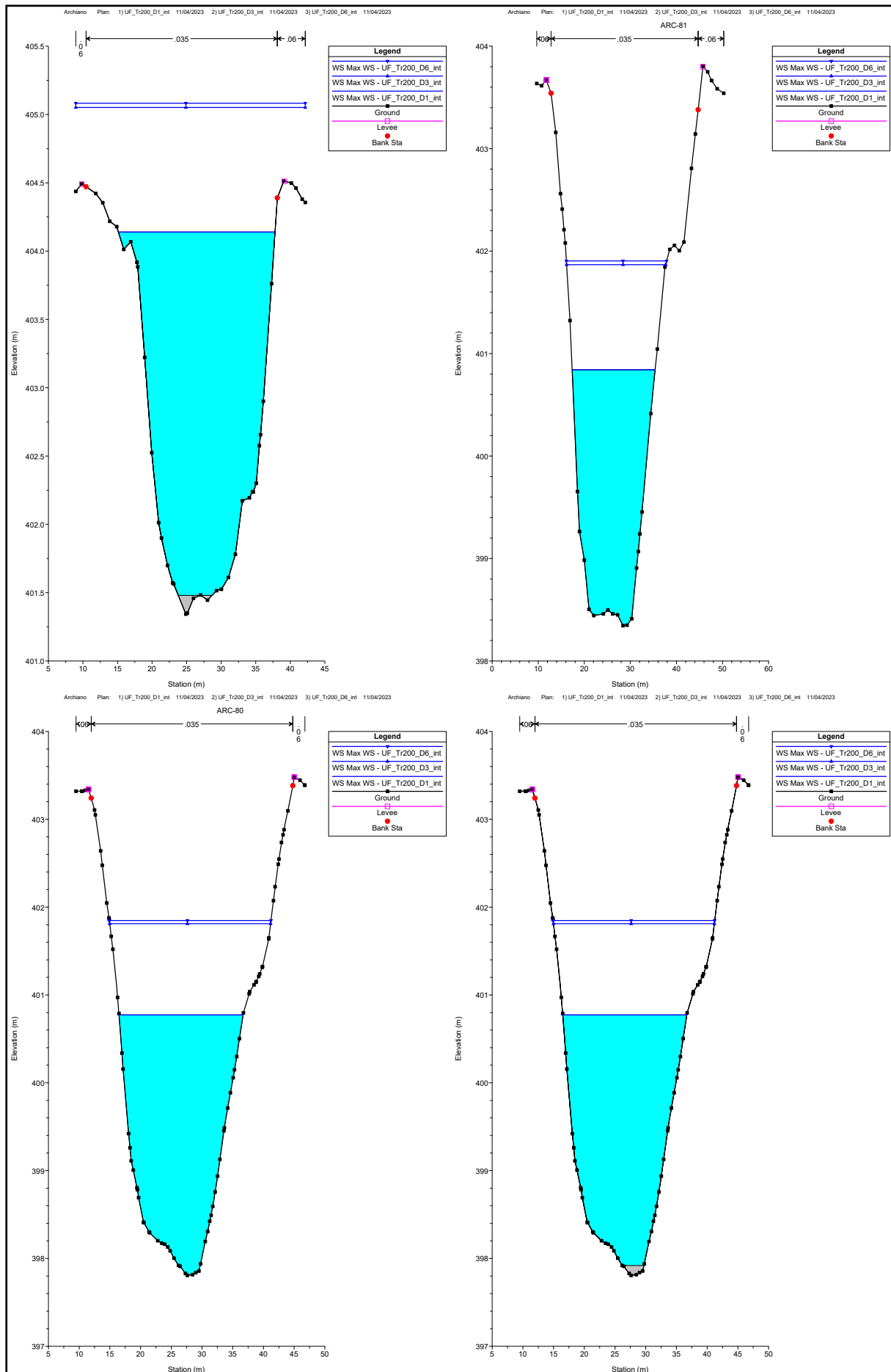


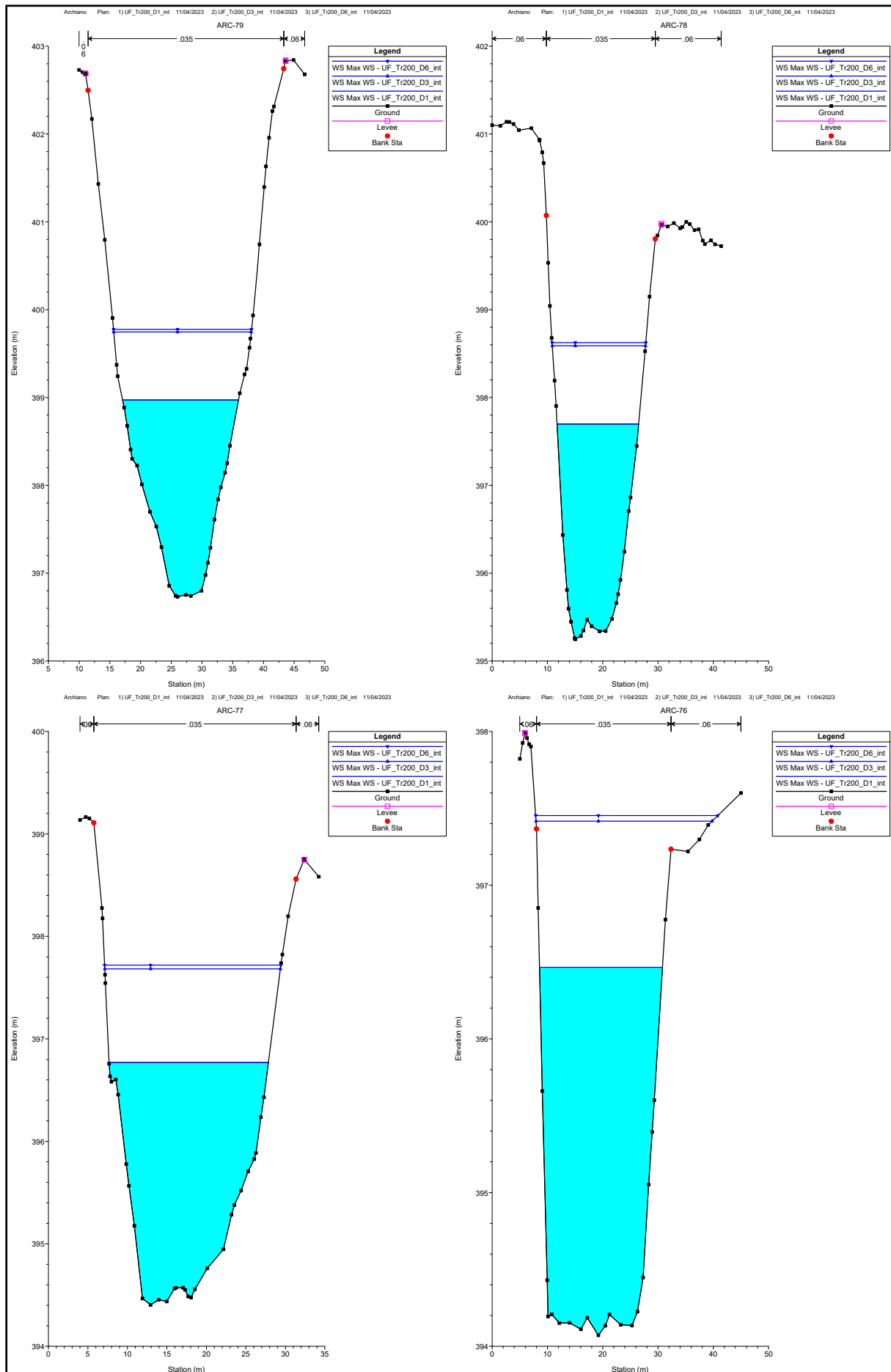


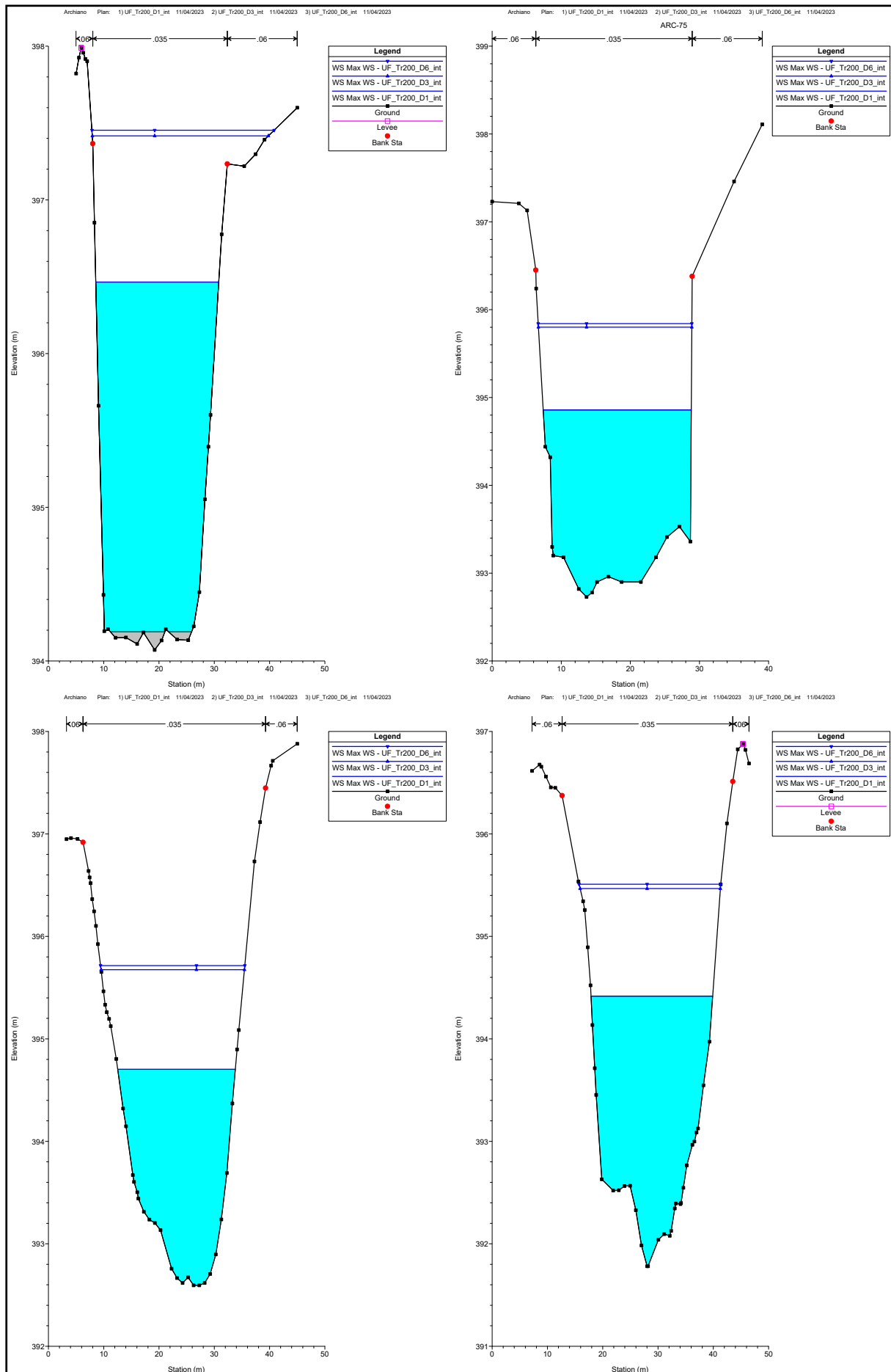


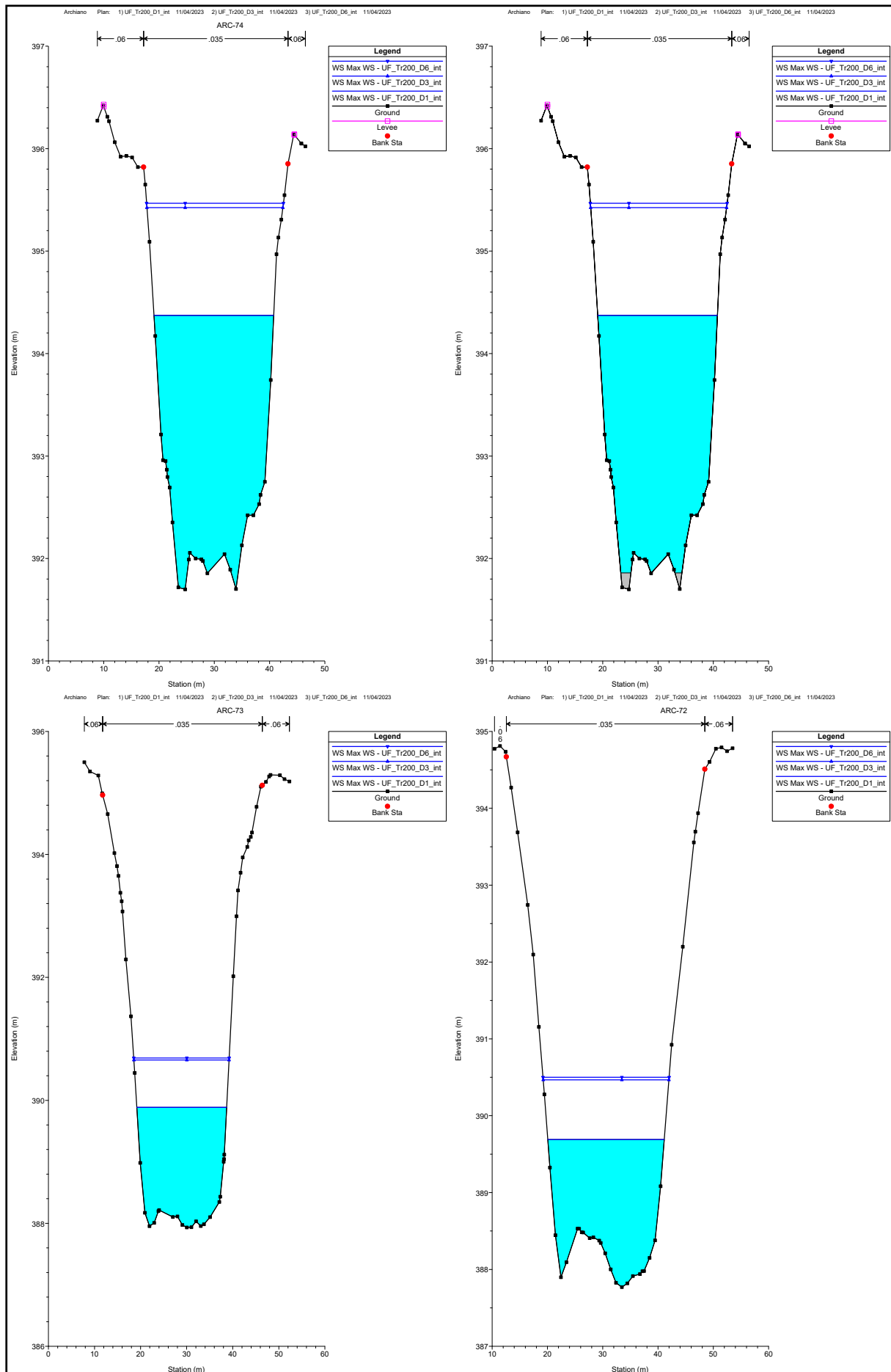


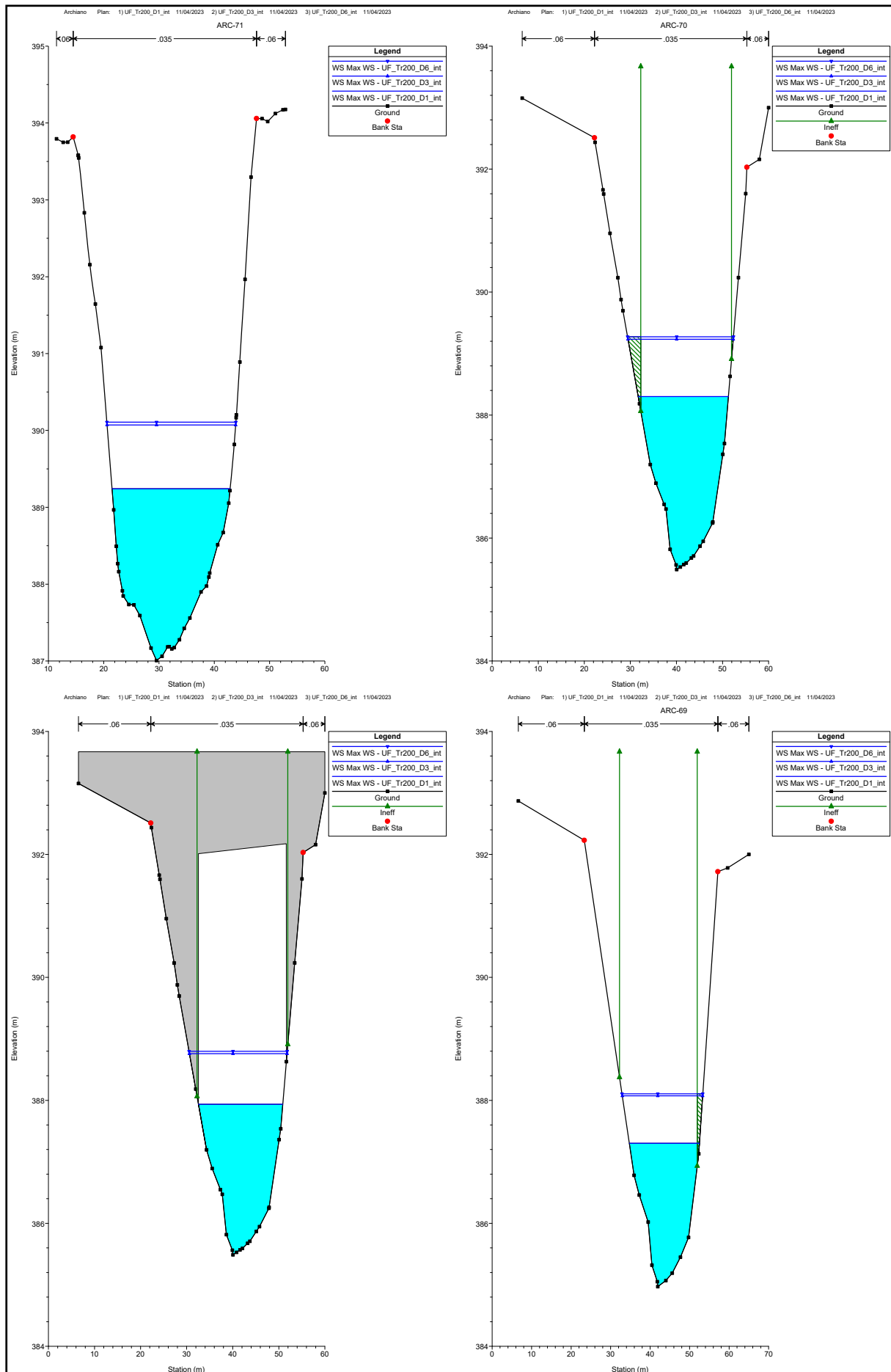


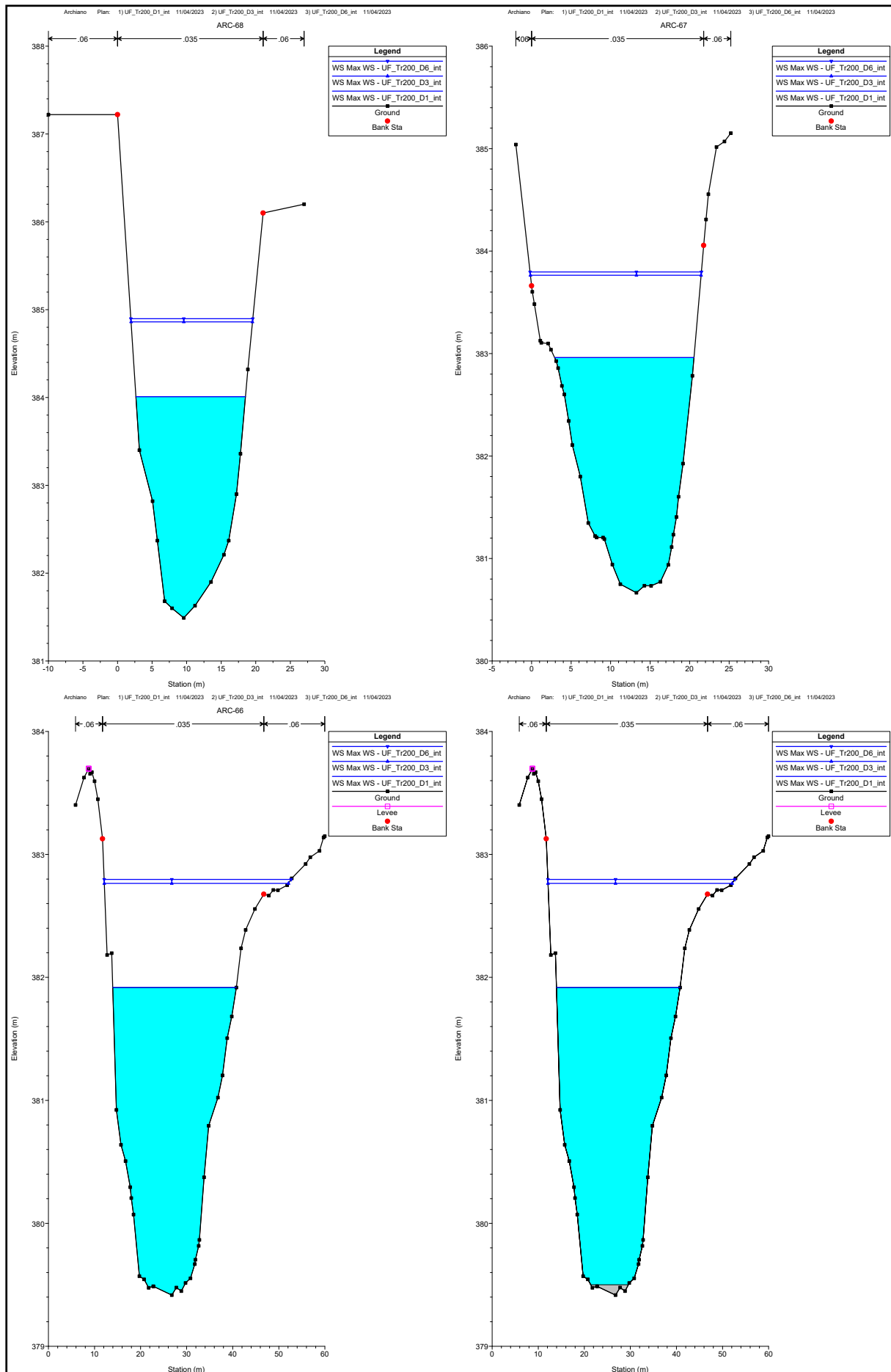


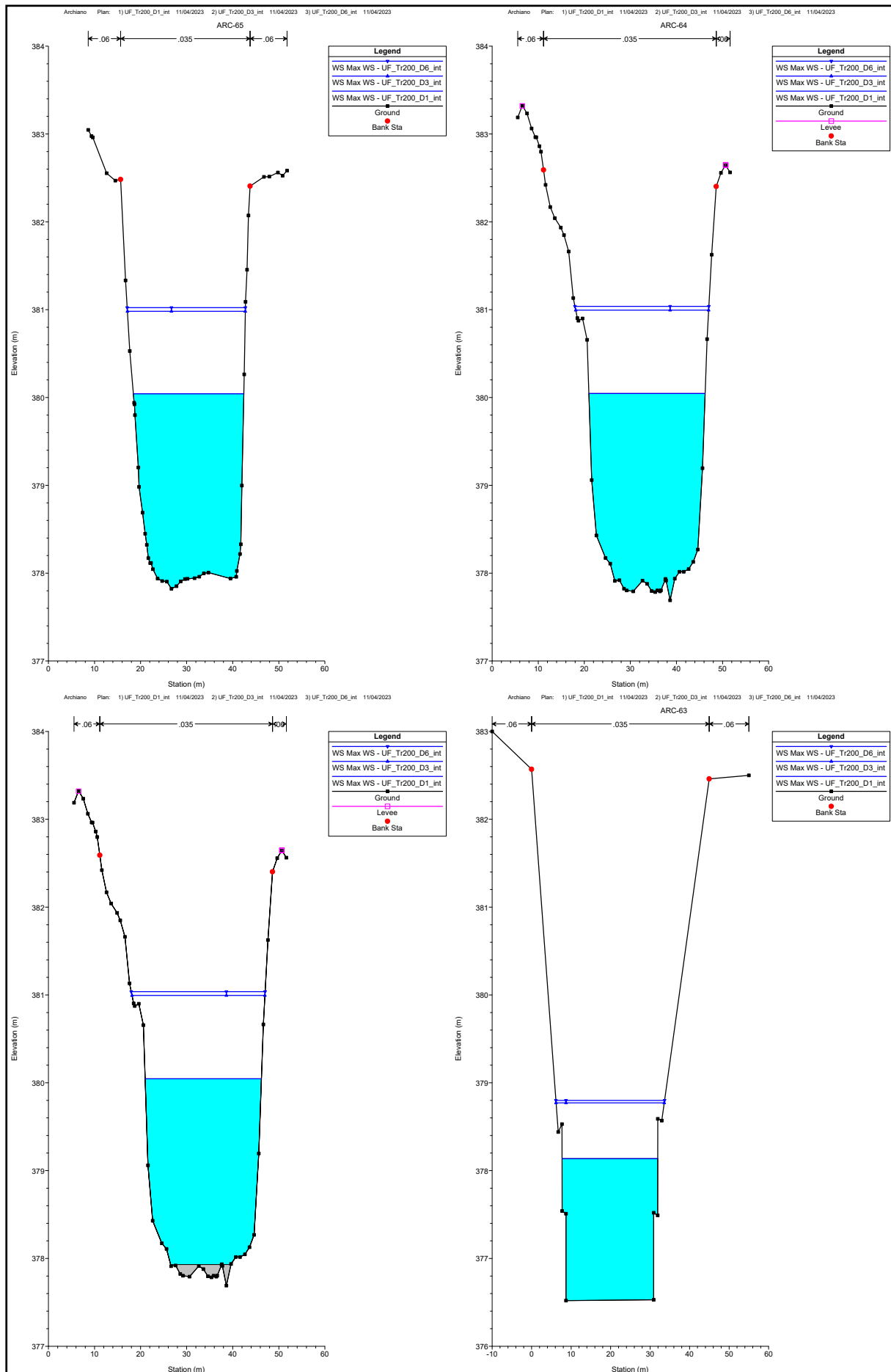


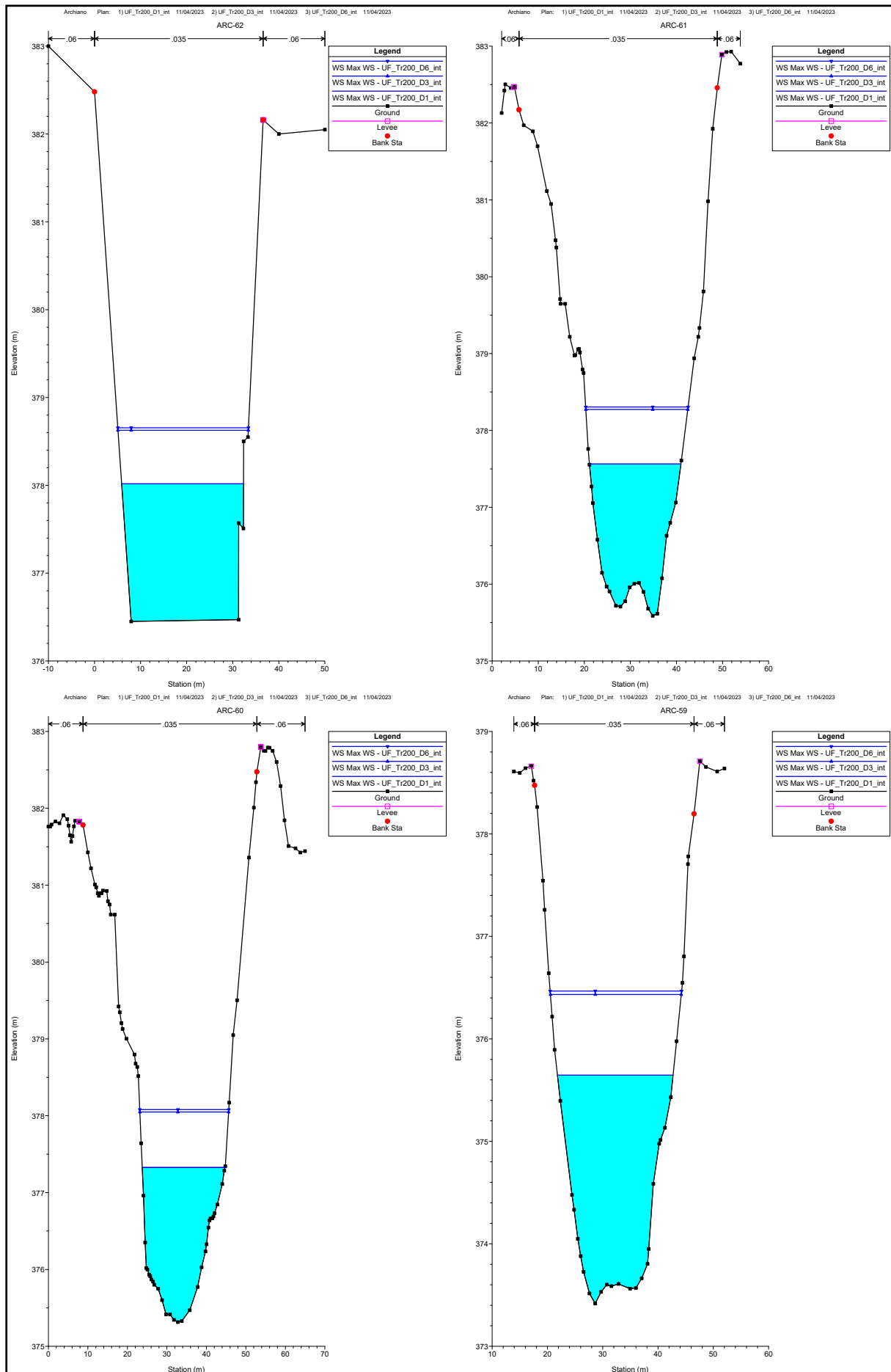


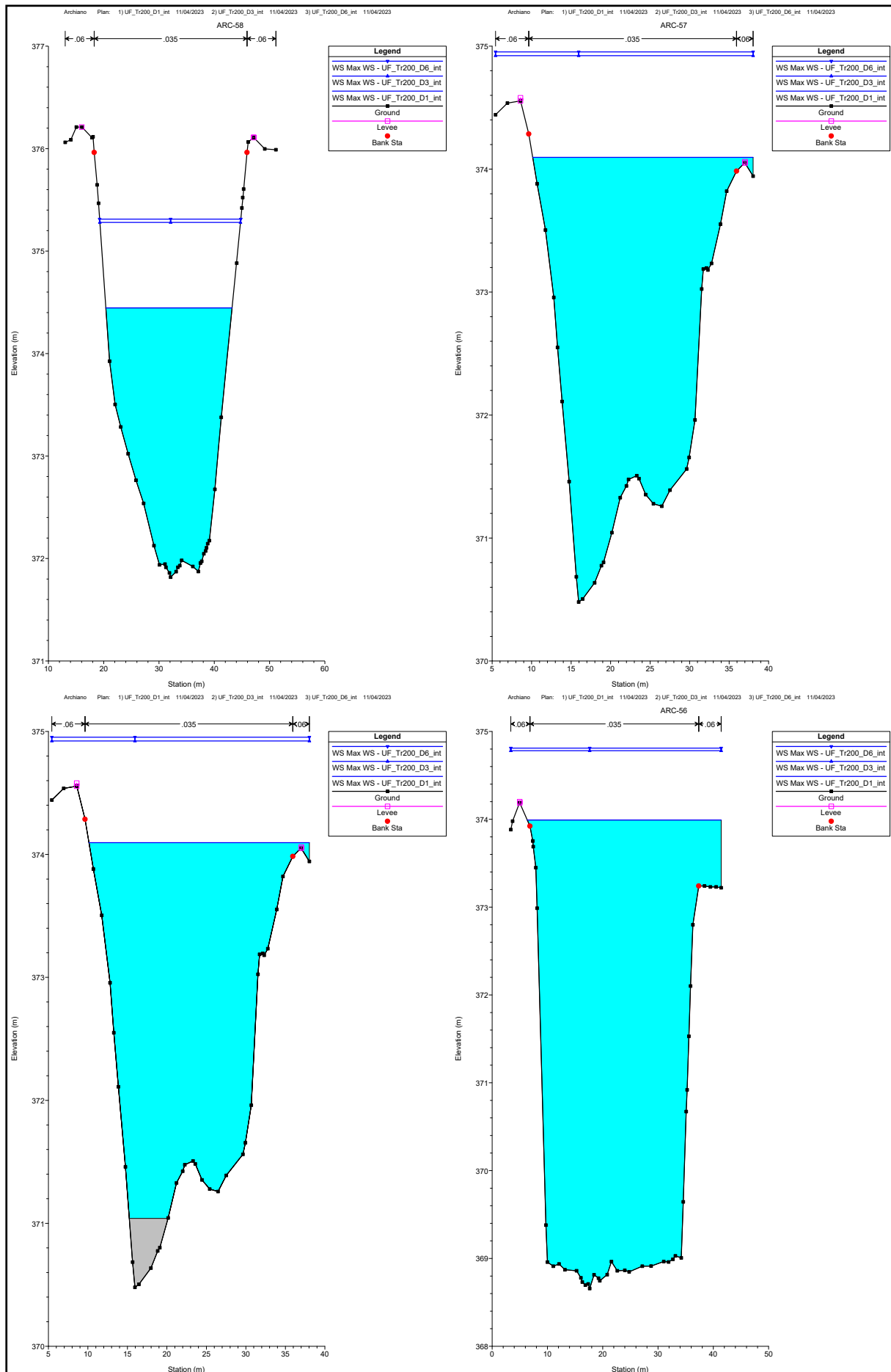


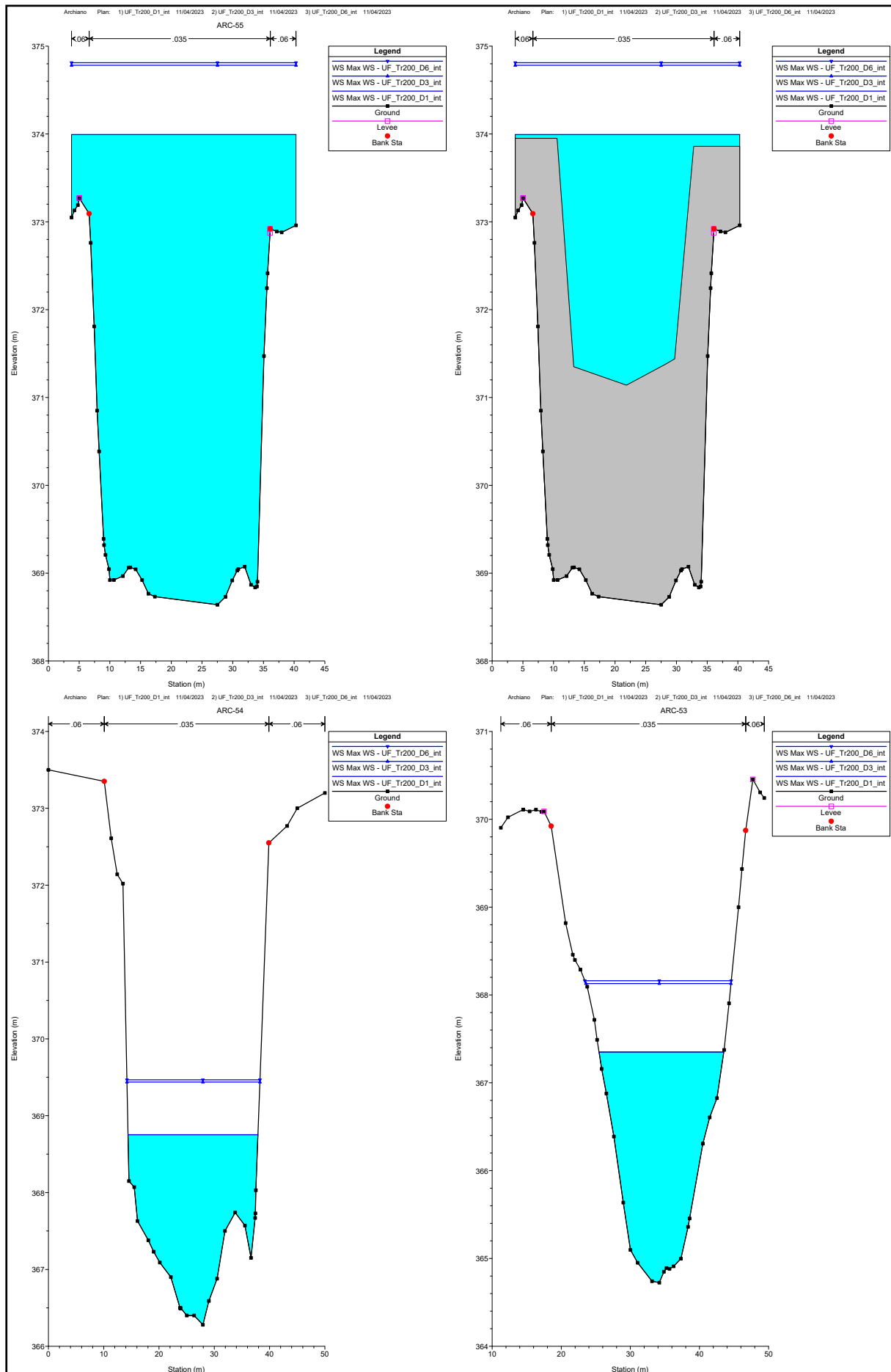


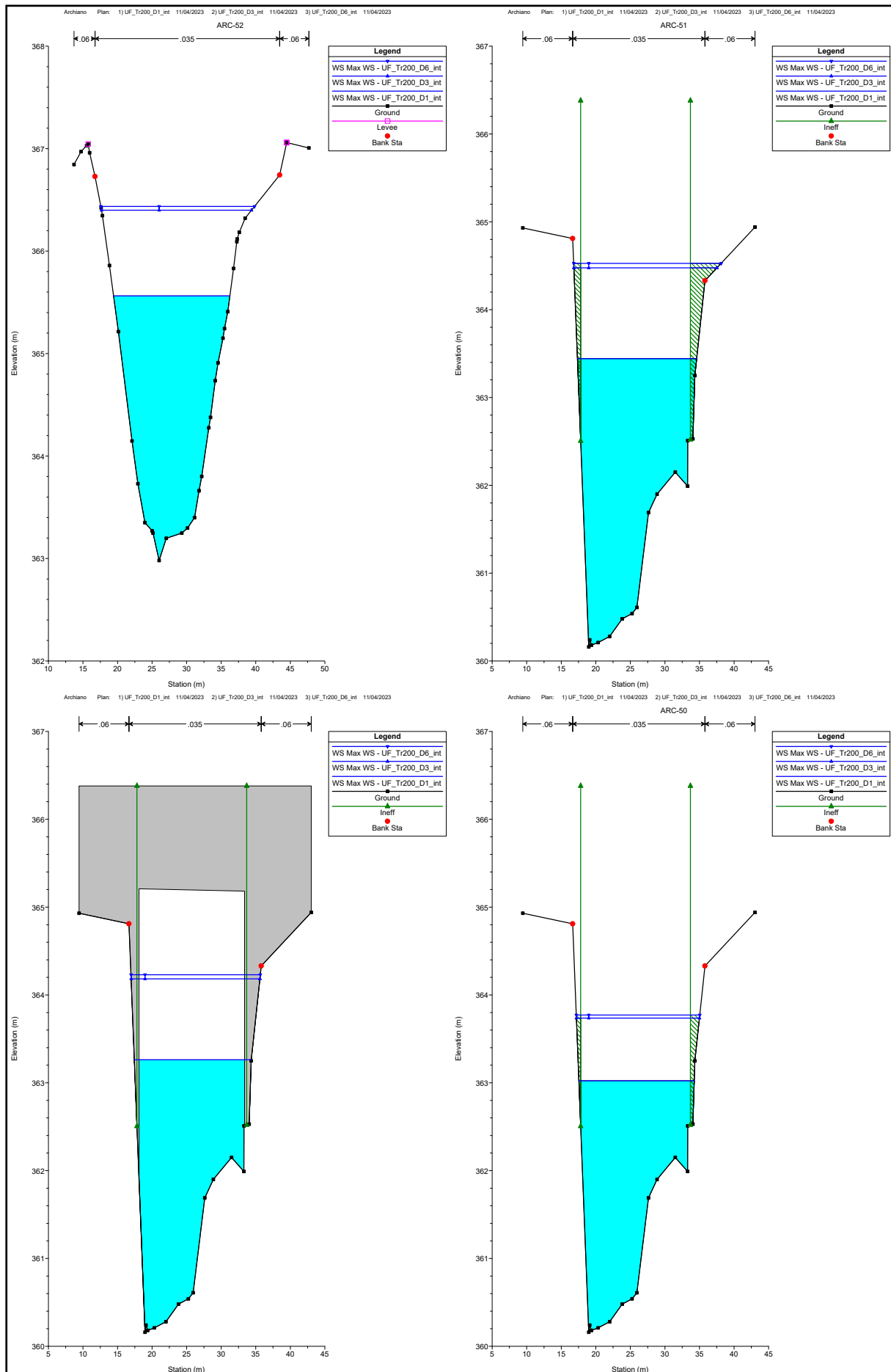


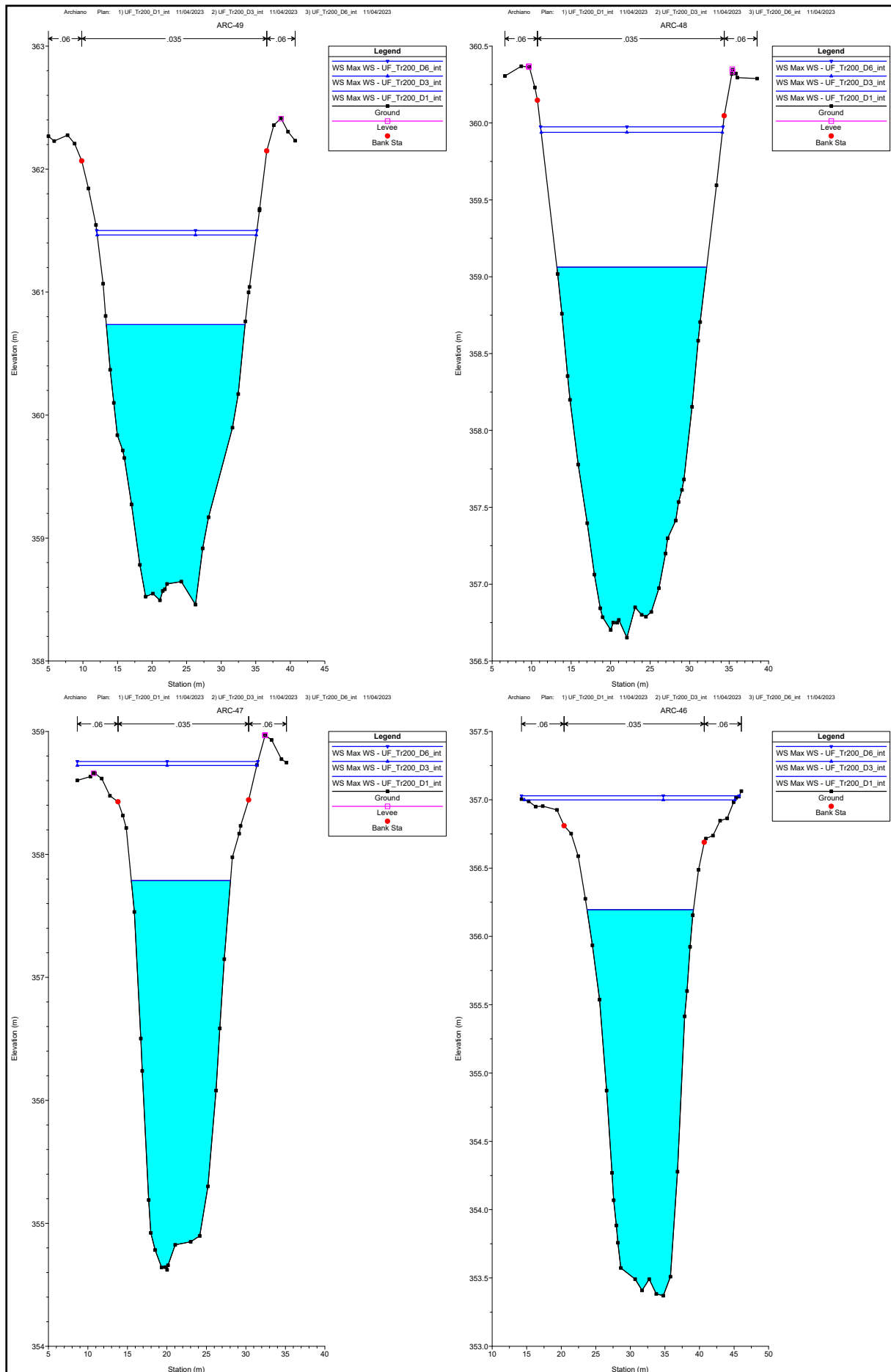


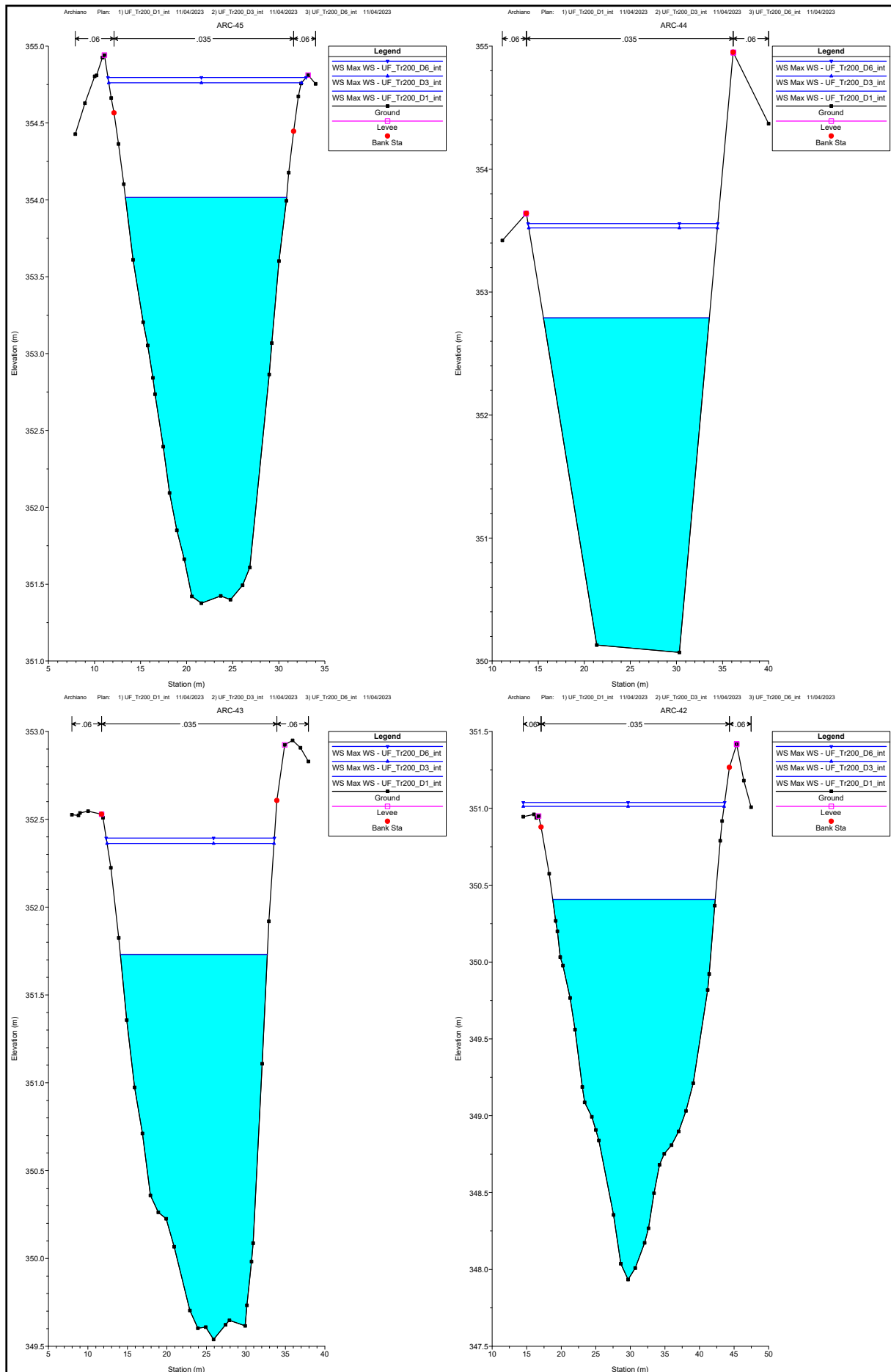


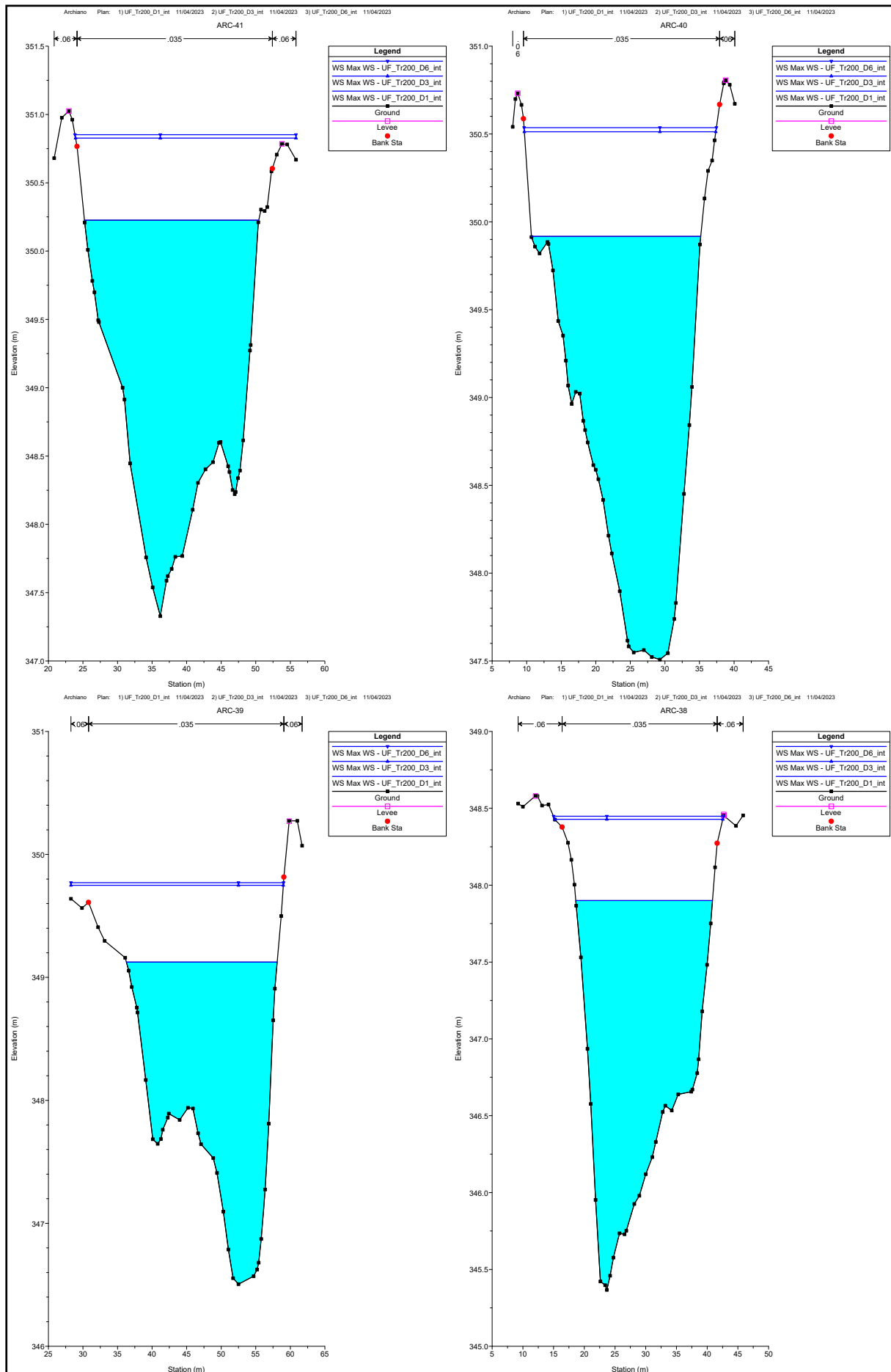


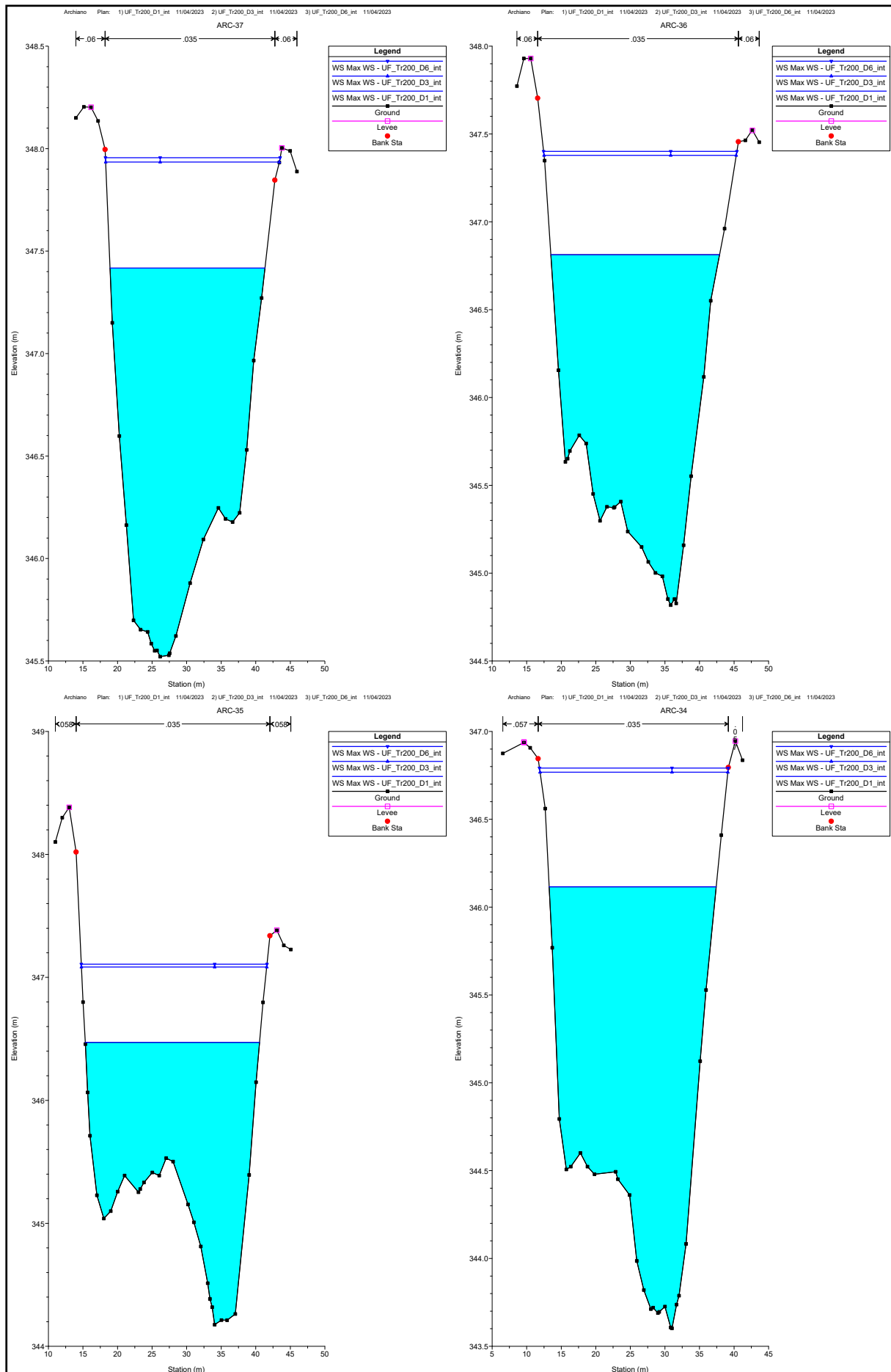


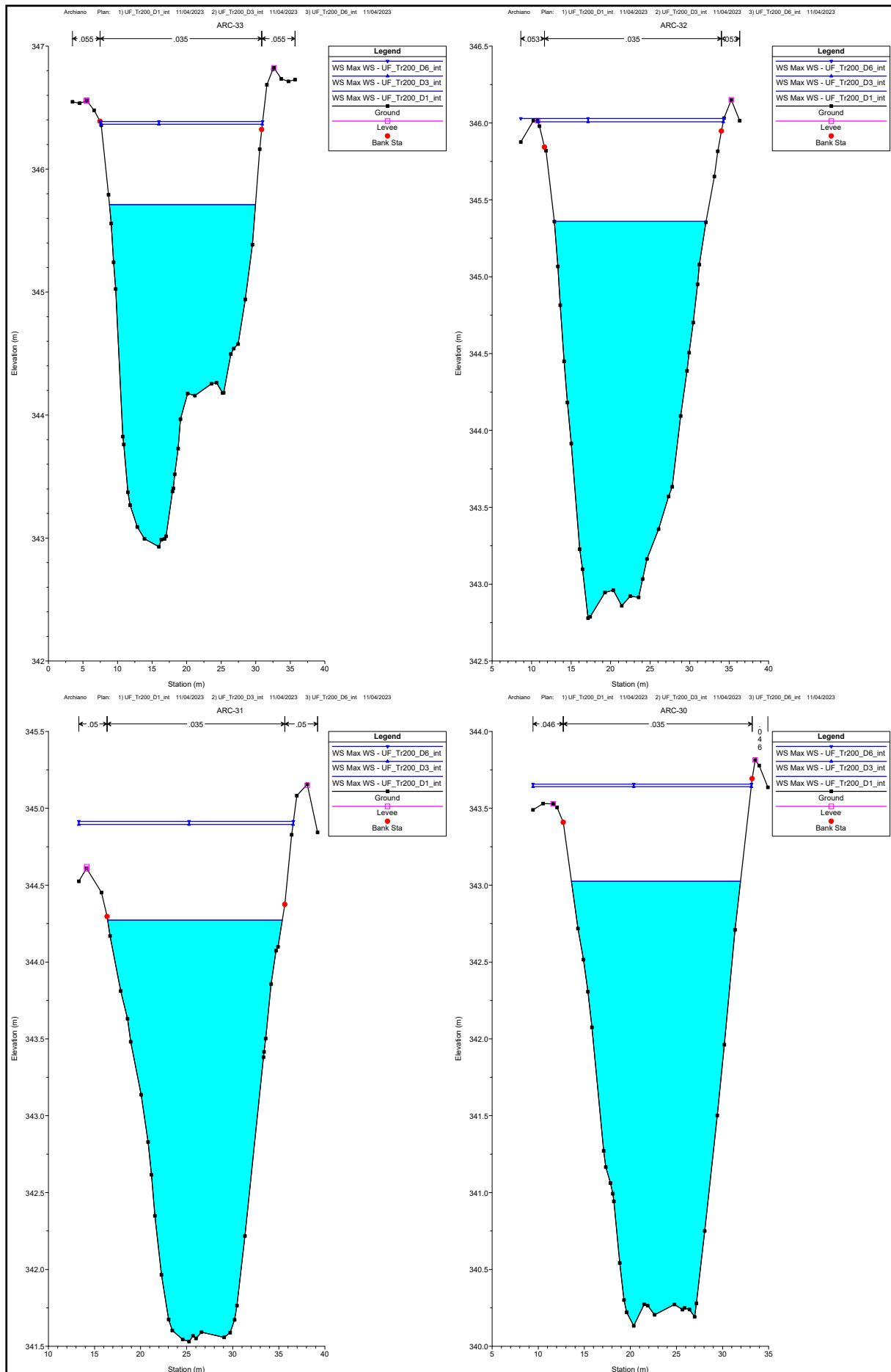


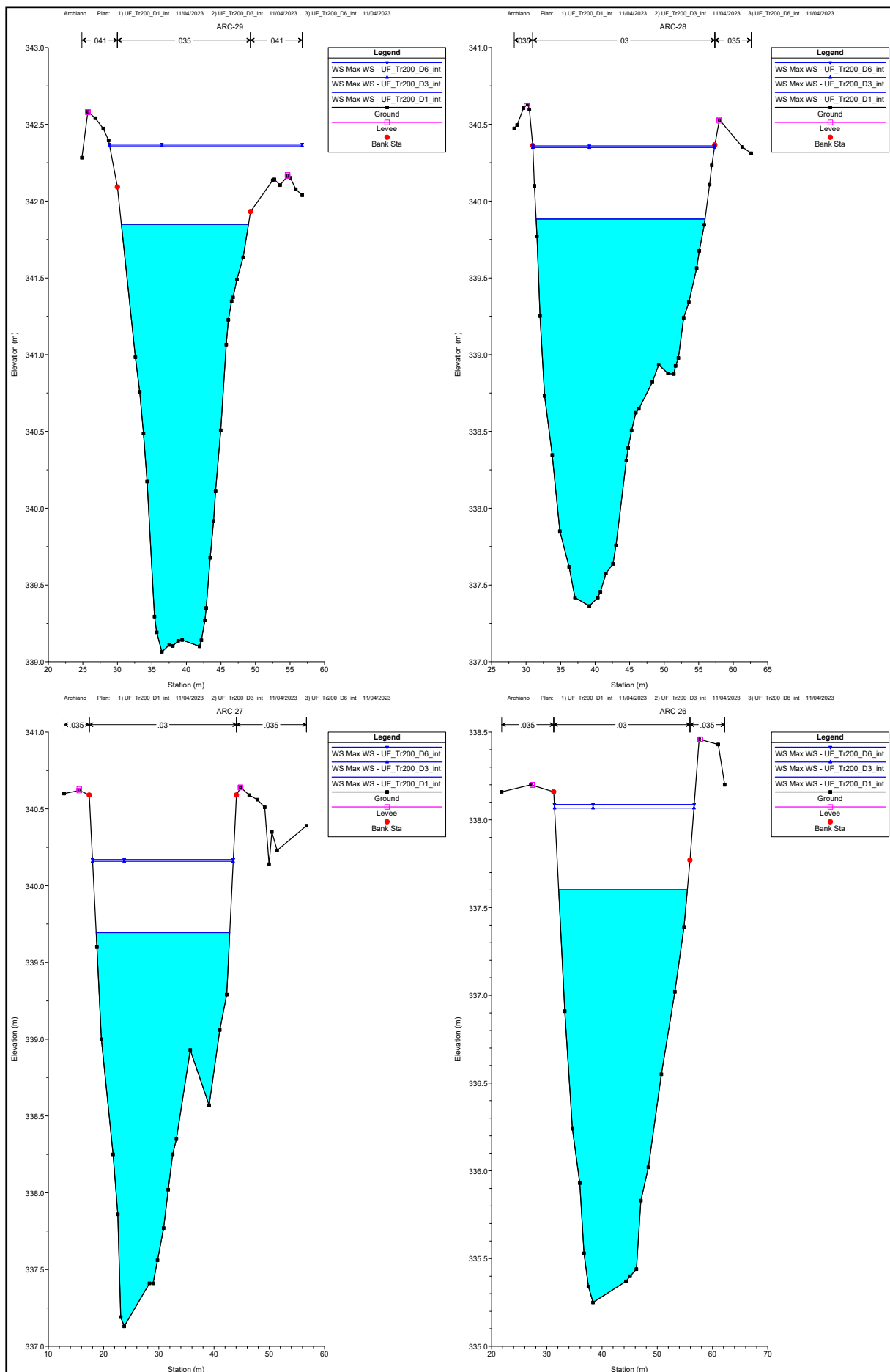


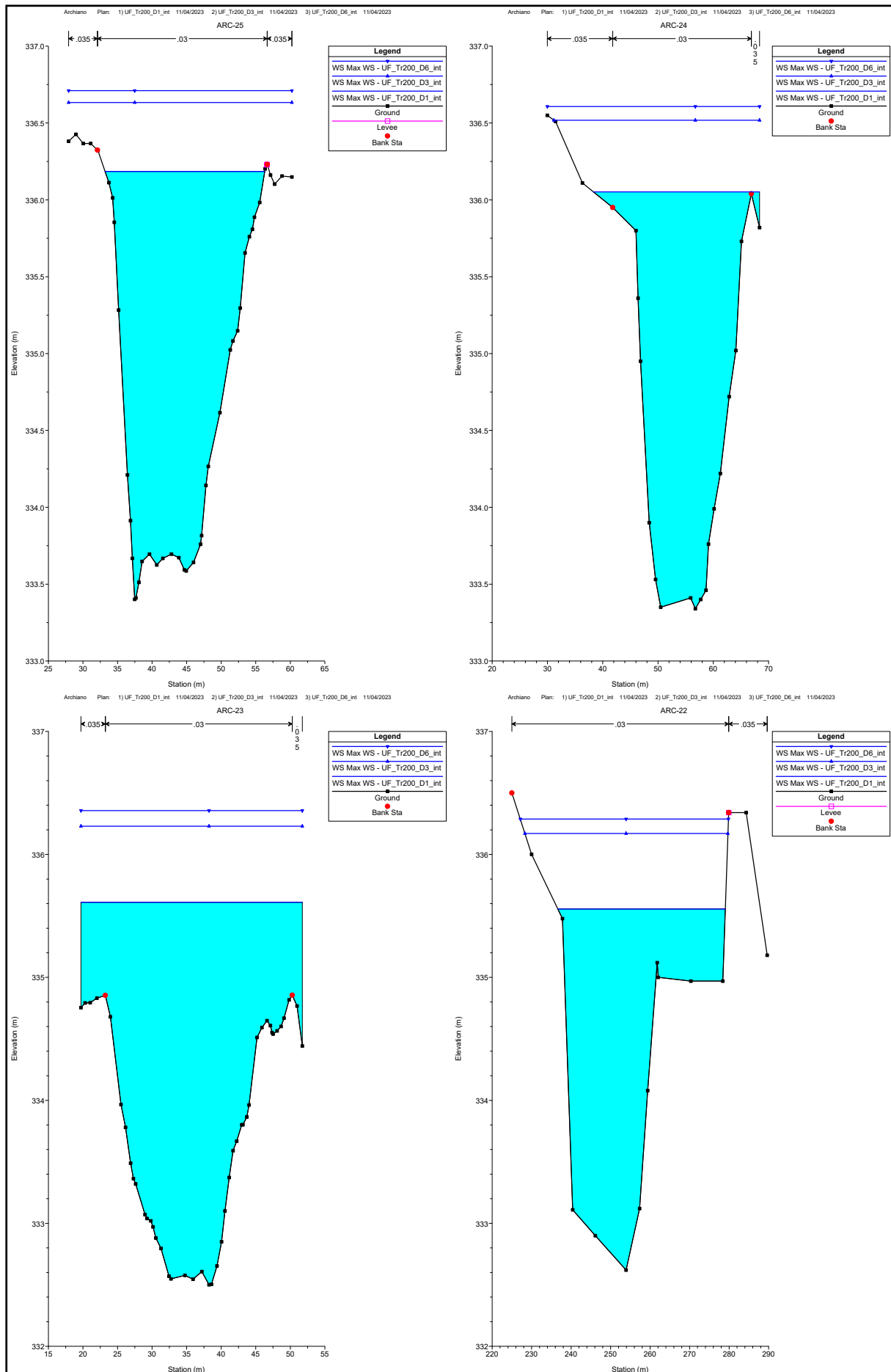


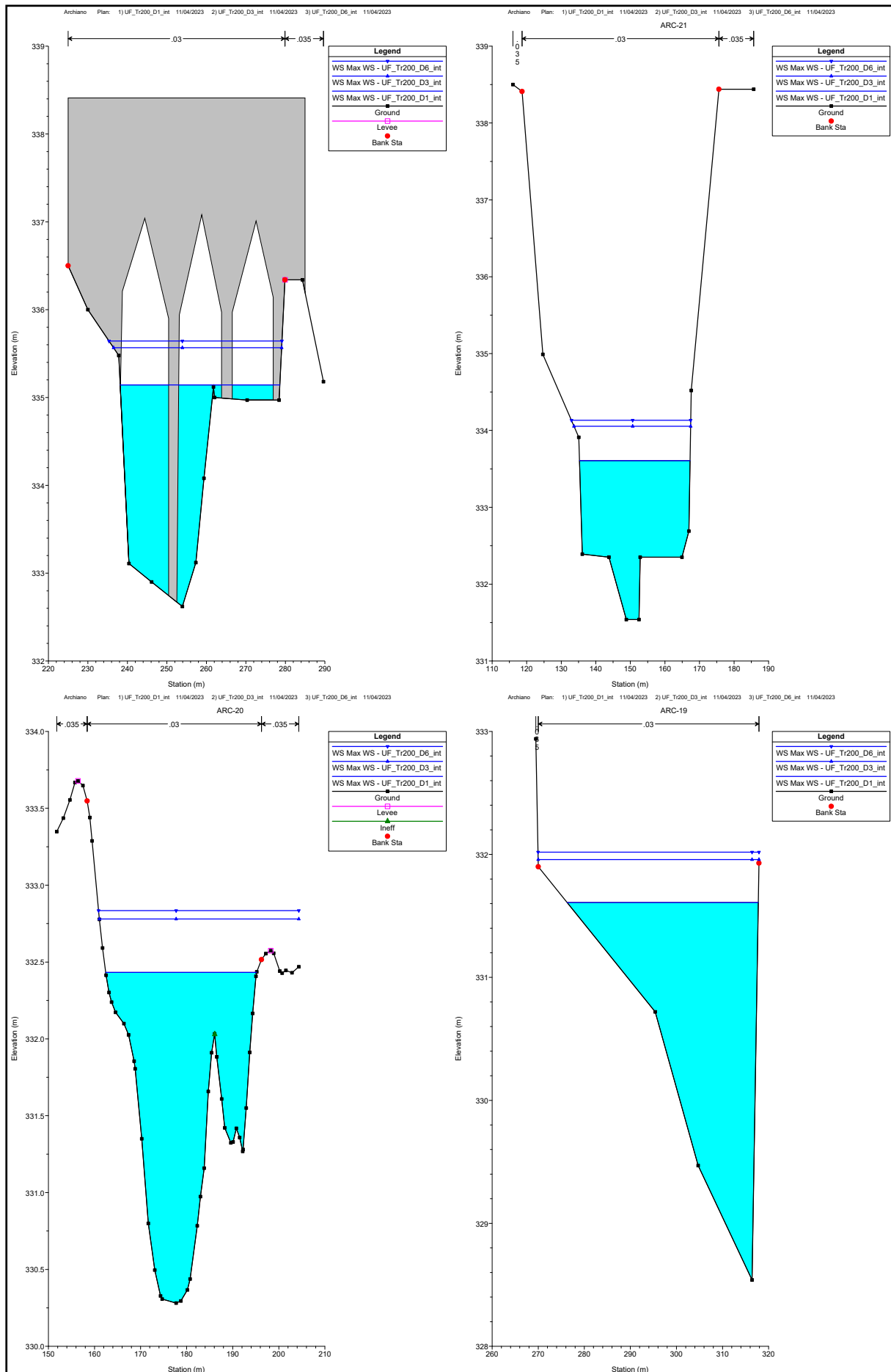


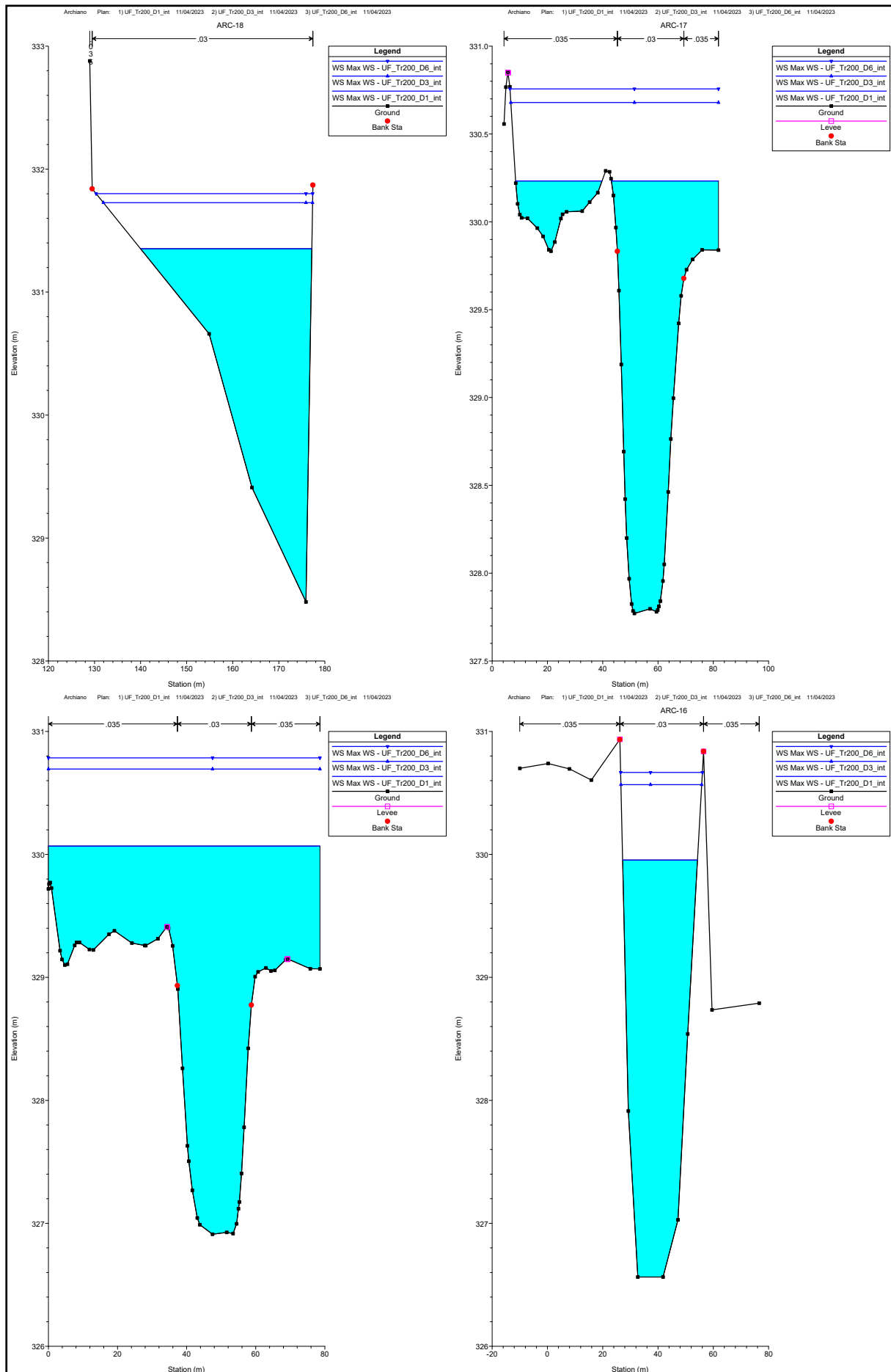


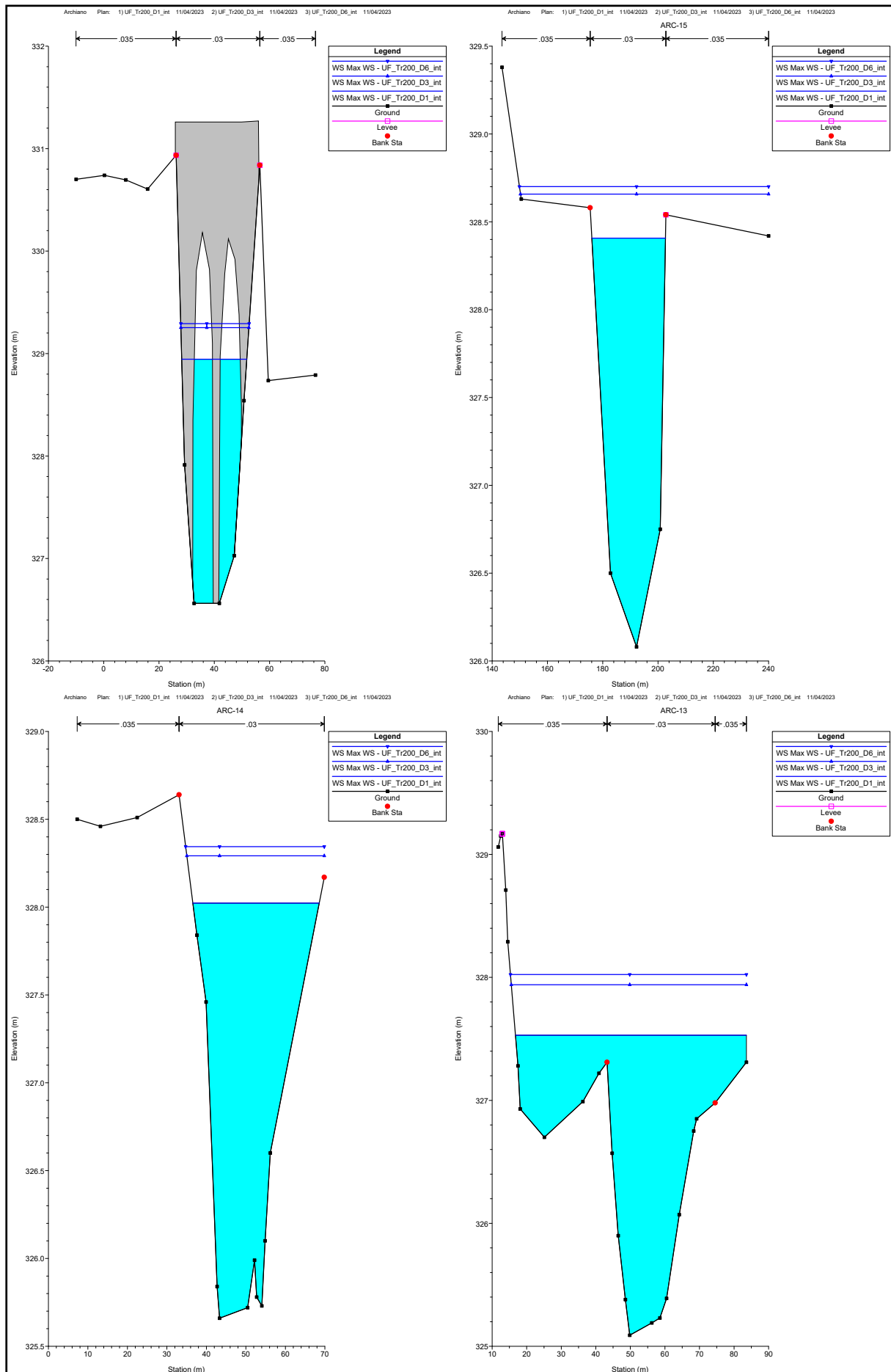


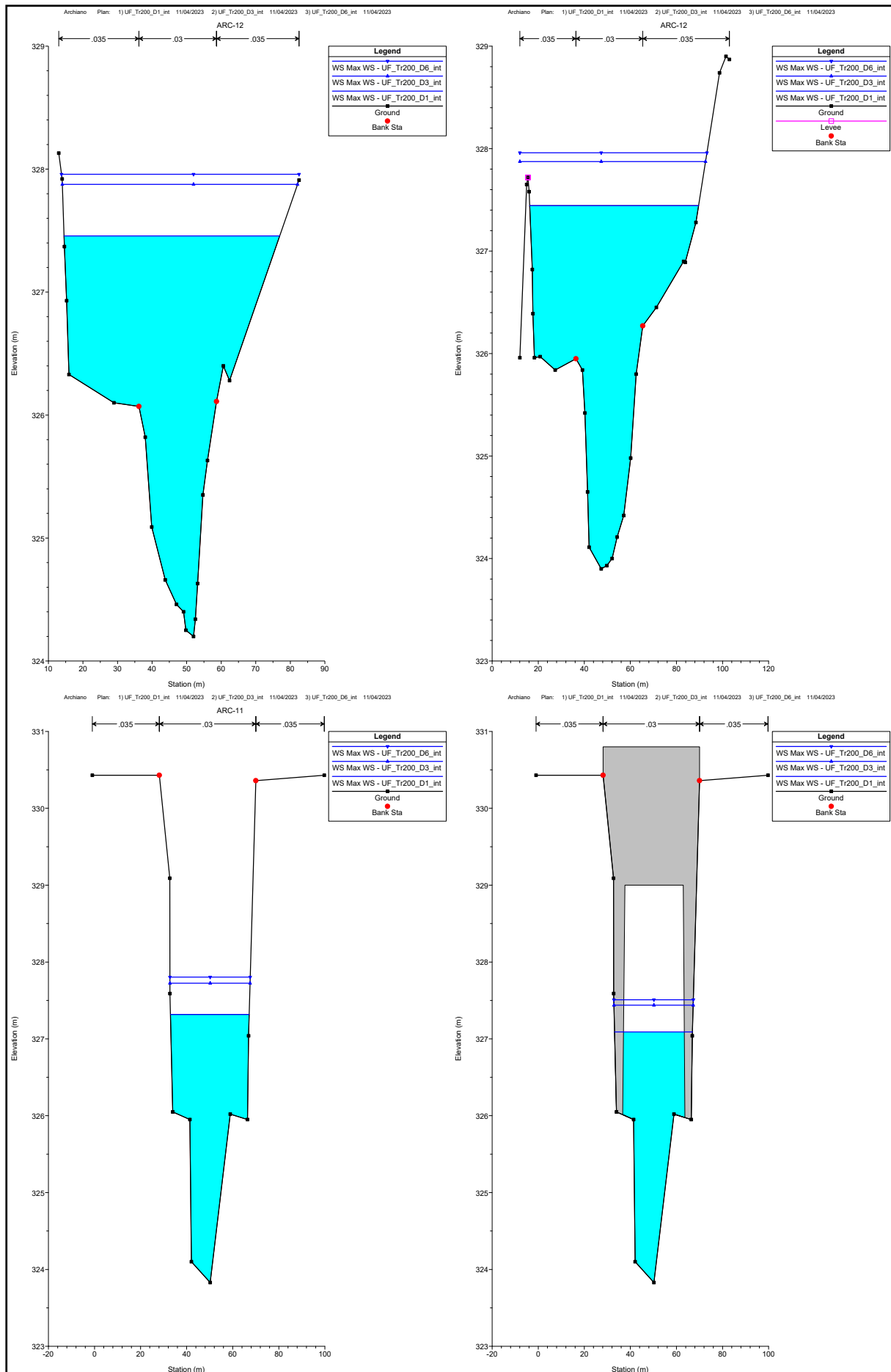


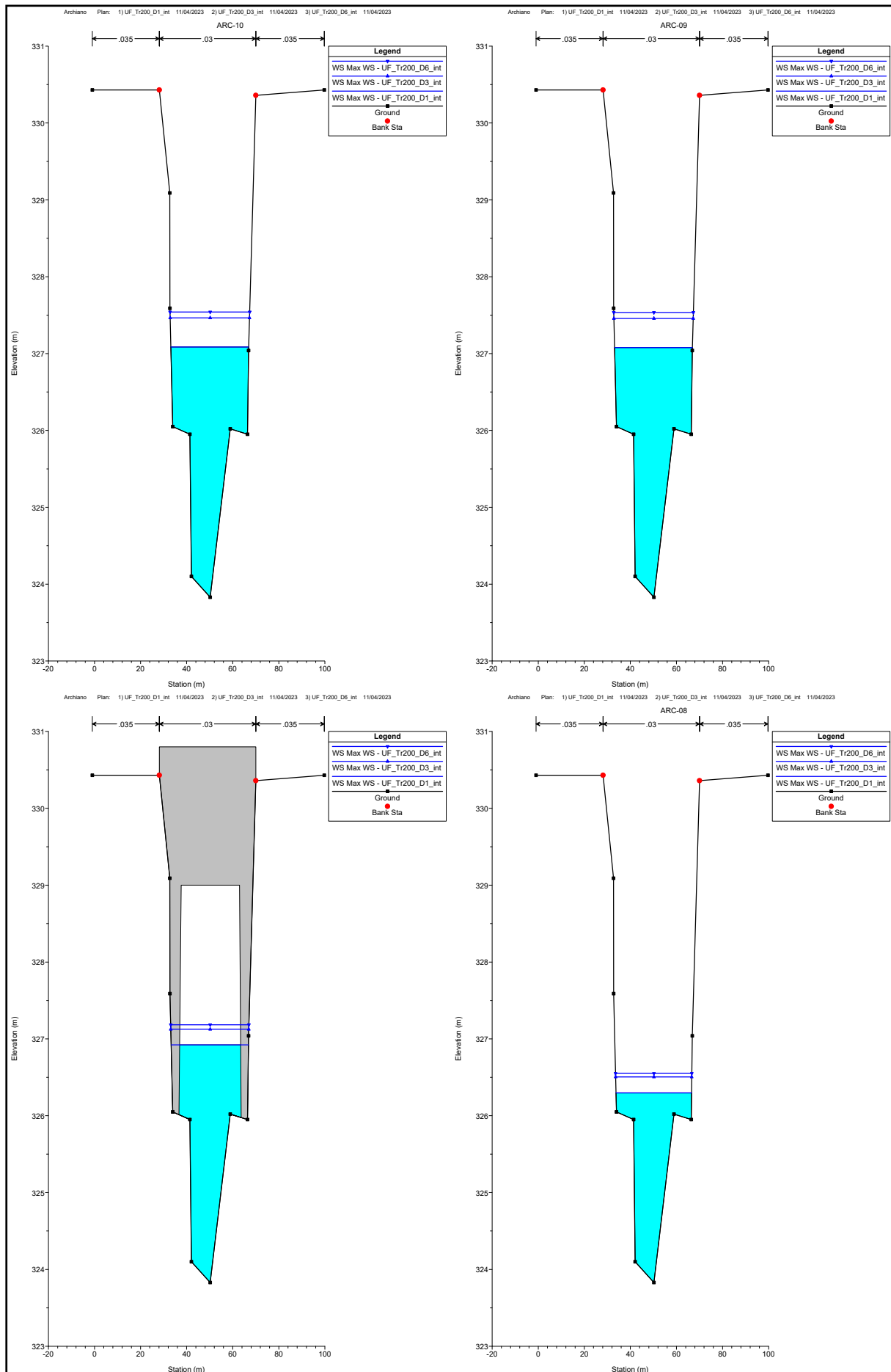


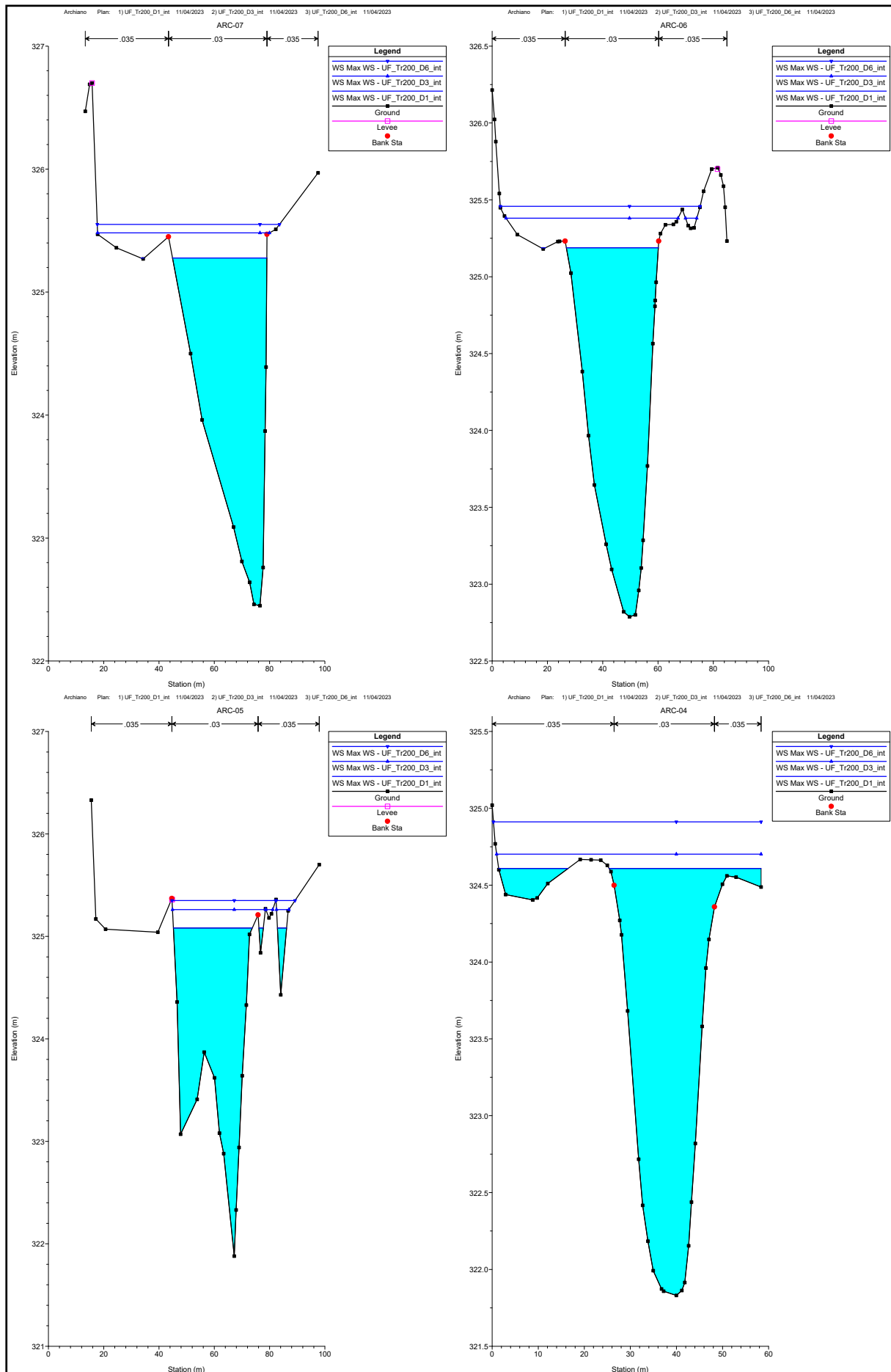


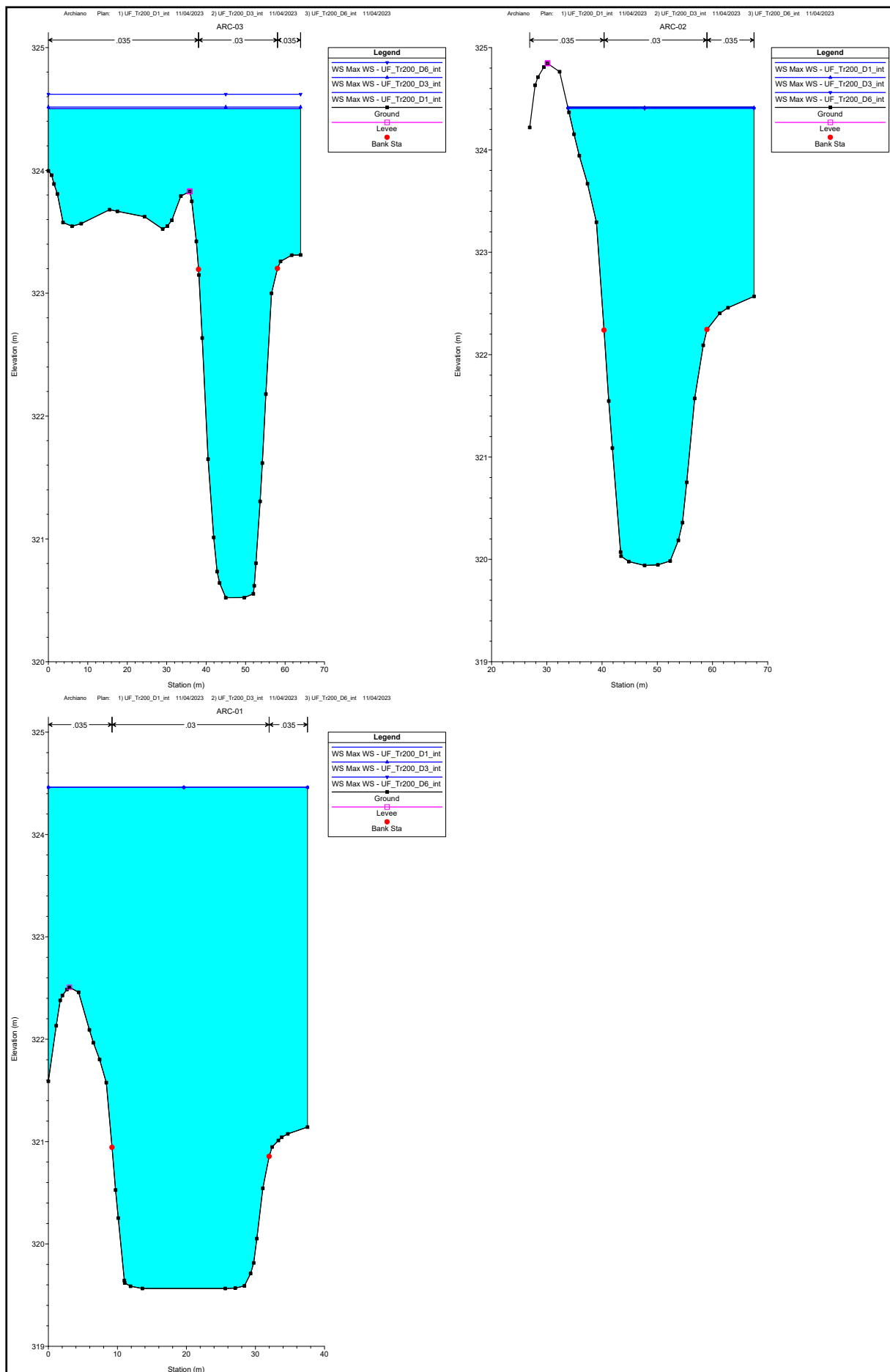














ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

ARCHIANO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Monte	100	Max WS	UF_Tr200_D1_int	102.60	431.49	433.32	433.85	435.01	0.032072	5.75			17.86	14.09	1.63
Monte	100	Max WS	UF_Tr200_D3_int	192.20	431.49	434.00	434.80	436.30	0.030342	6.73	0.48	0.46	29.52	32.96	1.66
Monte	100	Max WS	UF_Tr200_D6_int	192.60	431.49	434.00	434.80	436.31	0.030314	6.73	0.49	0.47	29.60	33.01	1.66
Monte	99.750*	Max WS	UF_Tr200_D1_int	102.60	431.06	432.84	433.38	434.55	0.031965	5.79			17.71	13.88	1.64
Monte	99.750*	Max WS	UF_Tr200_D3_int	192.19	431.06	433.53	434.37	435.90	0.031565	6.82			28.19	16.94	1.69
Monte	99.750*	Max WS	UF_Tr200_D6_int	192.60	431.06	433.53	434.38	435.91	0.031557	6.82			28.24	16.96	1.69
Monte	99.500*	Max WS	UF_Tr200_D1_int	102.60	430.64	432.37	432.87	434.03	0.030503	5.70			17.99	13.91	1.60
Monte	99.500*	Max WS	UF_Tr200_D3_int	192.19	430.64	433.07	433.91	435.40	0.028500	6.75			28.47	15.91	1.61
Monte	99.500*	Max WS	UF_Tr200_D6_int	192.60	430.64	433.07	433.91	435.40	0.028499	6.75			28.52	15.92	1.61
Monte	99.250*	Max WS	UF_Tr200_D1_int	102.60	430.21	431.93	432.37	433.42	0.026612	5.40			18.99	14.24	1.49
Monte	99.250*	Max WS	UF_Tr200_D3_int	192.19	430.21	432.67	433.39	434.75	0.024106	6.39			30.08	15.86	1.48
Monte	99.250*	Max WS	UF_Tr200_D6_int	192.60	430.21	432.67	433.39	434.76	0.024095	6.39			30.13	15.87	1.48
Monte	99	Max WS	UF_Tr200_D1_int	102.59	429.79	431.58	431.84	432.76	0.019263	4.80			21.39	14.78	1.27
Monte	99	Max WS	UF_Tr200_D3_int	192.19	429.79	432.35	432.83	434.06	0.018363	5.79			33.20	16.19	1.29
Monte	99	Max WS	UF_Tr200_D6_int	192.60	429.79	432.35	432.84	434.06	0.018362	5.79			33.25	16.19	1.29
Monte	98.800*	Max WS	UF_Tr200_D1_int	102.59	429.43	431.26	431.52	432.43	0.019112	4.80			21.36	14.72	1.27
Monte	98.800*	Max WS	UF_Tr200_D3_int	192.18	429.43	432.04	432.48	433.72	0.017870	5.75			33.44	16.24	1.28
Monte	98.800*	Max WS	UF_Tr200_D6_int	192.60	429.43	432.04	432.48	433.73	0.017870	5.75			33.49	16.25	1.28
Monte	98.600*	Max WS	UF_Tr200_D1_int	102.59	429.07	430.94	431.17	432.07	0.017736	4.70			21.82	14.71	1.23
Monte	98.600*	Max WS	UF_Tr200_D3_int	192.19	429.07	431.74	432.10	433.35	0.017163	5.62			34.19	16.79	1.26
Monte	98.600*	Max WS	UF_Tr200_D6_int	192.59	429.07	431.74	432.11	433.35	0.017173	5.62			34.24	16.81	1.26
Monte	98.400*	Max WS	UF_Tr200_D1_int	102.59	428.70	430.67	430.81	431.67	0.014812	4.44			23.11	14.80	1.13
Monte	98.400*	Max WS	UF_Tr200_D3_int	192.18	428.70	431.46	431.75	432.94	0.015243	5.38			35.73	17.22	1.19
Monte	98.400*	Max WS	UF_Tr200_D6_int	192.59	428.70	431.47	431.76	432.94	0.015248	5.38			35.78	17.23	1.19
Monte	98.200*	Max WS	UF_Tr200_D1_int	102.59	428.34	430.45	430.42	431.27	0.010964	4.01			25.58	15.05	0.98
Monte	98.200*	Max WS	UF_Tr200_D3_int	192.18	428.34	431.23	431.37	432.52	0.012063	5.03		0.43	38.43	18.97	1.07
Monte	98.200*	Max WS	UF_Tr200_D6_int	192.59	428.34	431.23	431.37	432.52	0.012064	5.03		0.43	38.49	19.00	1.07
Monte	98	Max WS	UF_Tr200_D1_int	102.59	427.98	430.29		430.91	0.007445	3.50			29.34	15.47	0.81
Monte	98	Max WS	UF_Tr200_D3_int	192.18	427.98	431.05	430.98	432.12	0.009181	4.60		0.66	42.74	20.92	0.93
Monte	98	Max WS	UF_Tr200_D6_int	192.60	427.98	431.05	430.98	432.13	0.009185	4.60		0.66	42.80	20.95	0.93
Monte	97.667*	Max WS	UF_Tr200_D1_int	102.59	427.85	430.10	430.35	431.26	0.017777	4.77			21.52	14.29	1.24
Monte	97.667*	Max WS	UF_Tr200_D3_int	192.18	427.85	430.85	431.39	432.59	0.017778	5.85		0.62	33.47	20.35	1.29
Monte	97.667*	Max WS	UF_Tr200_D6_int	192.59	427.85	430.85	431.40	432.59	0.017774	5.85		0.63	33.53	20.38	1.29
Monte	97.333*	Max WS	UF_Tr200_D1_int	102.59	427.73	429.77	430.20	431.27	0.024980	5.42			18.94	13.26	1.45
Monte	97.333*	Max WS	UF_Tr200_D3_int	192.18	427.73	430.53	431.21	432.65	0.023419	6.46		0.73	31.21	25.50	1.45
Monte	97.333*	Max WS	UF_Tr200_D6_int	192.59	427.73	430.54	431.21	432.66	0.023402	6.47		0.74	31.28	25.55	1.45
Monte	97	Max WS	UF_Tr200_D1_int	102.59	427.60	429.47	429.57	430.48	0.014816	4.44			23.11	13.40	1.08
Monte	97	Max WS	UF_Tr200_D3_int	192.18	427.60	430.22	430.52	431.91	0.017462	5.75			33.45	14.12	1.19
Monte	97	Max WS	UF_Tr200_D6_int	192.59	427.60	430.23	430.53	431.91	0.017465	5.75			33.50	14.12	1.19
Monte	96	Max WS	UF_Tr200_D1_int	102.59	427.31	429.24		429.90	0.009032	3.60			28.52	16.16	0.86
Monte	96	Max WS	UF_Tr200_D3_int	192.17	427.31	429.94	429.93	431.11	0.011435	4.78			40.17	17.03	0.99
Monte	96	Max WS	UF_Tr200_D6_int	192.59	427.31	429.94	429.93	431.11	0.011441	4.79			40.23	17.03	0.99
Monte	95.500*	Max WS	UF_Tr200_D1_int	102.59	427.08	428.96	429.48	430.70	0.041407	5.85			17.55	16.88	1.83
Monte	95.500*	Max WS	UF_Tr200_D3_int	192.18	427.08	429.74	430.28	431.68	0.024909	6.16			31.17	17.96	1.49
Monte	95.500*	Max WS	UF_Tr200_D6_int	192.59	427.08	429.74	430.28	431.68	0.024871	6.17			31.23	17.97	1.49
Monte	95	Max WS	UF_Tr200_D1_int	102.59	426.84	428.69		429.26	0.008117	3.35			30.58	18.11	0.82
Monte	95	Max WS	UF_Tr200_D3_int	192.18	426.84	429.56		430.42	0.007905	4.11			46.71	18.99	0.84
Monte	95	Max WS	UF_Tr200_D6_int	192.59	426.84	429.56		430.43	0.007901	4.12			46.79	19.00	0.84
Monte	94	Max WS	UF_Tr200_D1_int	102.58	426.74	428.60	428.31	429.16	0.007690	3.31			31.03	16.81	0.78
Monte	94	Max WS	UF_Tr200_D3_int	192.17	426.74	429.47	429.12	430.38	0.008321	4.21			45.62	16.83	0.82
Monte	94	Max WS	UF_Tr200_D6_int	192.59	426.74	429.47	429.13	430.38	0.008323	4.22			45.68	16.83	0.82
Monte	93.50			Bridge											
Monte	92	Max WS	UF_Tr200_D1_int	102.59	426.66	428.10	428.27	429.06	0.018927	4.35			23.57	17.55	1.20
Monte	92	Max WS	UF_Tr200_D3_int	192.17	426.66	428.72	429.05	430.30	0.020090	5.56			34.57	17.55	1.26
Monte	92	Max WS	UF_Tr200_D6_int	192.59	426.66	428.73	429.05	430.31	0.020080	5.56			34.62	17.55	1.26
Monte	91	Max WS	UF_Tr200_D1_int	102.58	426.49	427.86	428.08	428.89	0.021034	4.50			22.82	17.53	1.26
Monte	91	Max WS	UF_Tr200_D3_int	192.17	426.49	428.48	428.92	430.15	0.022027	5.72			33.58	17.55	1.32
Monte	91	Max WS	UF_Tr200_D6_int	192.59	426.49	428.48	428.92	430.15	0.022003	5.73			33.64	17.55	1.32
Monte	90	Max WS	UF_Tr200_D1_int	102.58	426.22	427.72	427.70	428.35	0.011402	3.52			29.16	22.41	0.98
Monte	90	Max WS	UF_Tr200_D3_int	192.17	426.22	428.33	428.37	429.34	0.011748	4.46	0.37	0.27	43.15	24.23	1.05
Monte	90	Max WS	UF_Tr200_D6_int	192.57	426.22	428.33	428.40	429.34	0.011719	4.46	0.37	0.27	43.24	24.25	1.05
Monte	89	Max WS	UF_Tr200_D1_int	102.59	426.07	427.49	427.71	428.50	0.019939	4.45			23.05	18.77	1.28
Monte	89	Max WS	UF_Tr200_D3_int	192.17	426.07	428.10	428.48	429.65	0.019435	5.53	0.46	0.30	34.81	20.42	1.33
Monte	89	Max WS	UF_Tr200_D6_int	192.51	426.07	428.10	428.49	429.66	0.019349	5.53	0.46	0.31	34.89	20.45	1.32
Monte	88.500*	Max WS	UF_Tr200_D1_int	102.59	425.58	427.18	427.40	428.20	0.019087	4.48			22.88	18.25	1.28
Monte	88.500*	Max WS	UF_Tr200_D3_int	192.15	425.58	427.79	428.20	429.38	0.019057	5.59	0.20	0.37	34.42	20.42	1.33
Monte	88.500*	Max WS	UF_Tr200_D6_int	192.50	425.58	427.79	428.20	429.38	0.018913	5.59	0.21	0.38	34.55	20.48	1.33
Monte	88	Max WS	UF_Tr200_D1_int	102.58	425.09	426.90	427.05	427.84	0.015058	4.28			23.99	16.93	1.15
Monte	88	Max WS	UF_Tr200_D3_int	191.76	425.09	427.49	427.92	429.07	0.017865	5.56		0.50	34.78	21.60	1.30
Monte	88	Max WS	UF_Tr200_D6_int	192.48	425.09	427.50	427.92	429.07	0.017737	5.56		0.51	34.97	21.71	1.30
Monte	87.500*	Max WS	UF_Tr200_D1_int	101.48	425.11	426.45	426.92	427.97	0.036968	5.47			18.56	18.28	1.73
Monte	87.500*	Max WS	UF_Tr200_D3_int	190.44	425.11	427.09	427.66	428.97	0.028176	6.07			31.38	21.34	1.60
Monte	87.500*	Max WS	UF_Tr200_D6_int	191.85	425.11	427.11	427.67	428.97	0.027728	6.05			31.71	21.39	1.59
Intermedio	87	Max WS	UF_Tr200_D1_int	107.55	425.13	426.45	426.72	427.51	0.023198	4.57			23.55	21.09	1.38
Intermedio	87	Max WS	UF_Tr200_D3_int	201.54	425.13	427.09	427.54	428.55	0.019152	5.35		0.33	37.82	26.10	1.33
Intermedio	87	Max WS	UF_Tr200_D6_int	204.17	425.13	427.11	427.57	428.58	0.019084	5.37		0.36	38.22	26.51	1.33
Intermedio	86.9			Lat Struct											
Intermedio	86.8			Lat Struct											
Intermedio	86.500*	Max WS	UF_Tr200_D1_int	107.55	424.71	426.22	426.47	427.27	0.020210	4.53			23.73	19.23	1.30
Intermedio	86.500														

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	86.500*	Max WS	UF_Tr200_D6_int	204.17	424.71	426.92	427.34	428.41	0.017675	5.42		0.47	38.35	28.45	1.28
Intermedio	86	Max WS	UF_Tr200_D1_int	107.59	424.28	426.05	426.12	426.91	0.013566	4.12			26.12	17.59	1.08
Intermedio	86	Max WS	UF_Tr200_D3_int	201.61	424.28	426.73	427.06	428.10	0.014345	5.19	0.62		40.41	28.88	1.16
Intermedio	86	Max WS	UF_Tr200_D6_int	204.25	424.28	426.75	427.08	428.13	0.014349	5.21		0.65	40.87	29.11	1.16
Intermedio	85.500*	Max WS	UF_Tr200_D1_int	107.62	424.16	425.90	426.03	426.83	0.014710	4.27			25.22	17.33	1.13
Intermedio	85.500*	Max WS	UF_Tr200_D3_int	201.69	424.16	426.58	427.01	428.06	0.015889	5.40	0.06		37.38	19.92	1.22
Intermedio	85.500*	Max WS	UF_Tr200_D6_int	204.34	424.16	426.60	427.08	428.10	0.015917	5.42		0.11	37.72	22.16	1.22
Intermedio	85	Max WS	UF_Tr200_D1_int	107.65	424.04	425.74	425.93	426.76	0.016706	4.47			24.07	17.03	1.20
Intermedio	85	Max WS	UF_Tr200_D3_int	201.75	424.04	426.41	426.96	428.03	0.017887	5.64			35.78	18.25	1.29
Intermedio	85	Max WS	UF_Tr200_D6_int	204.42	424.04	426.42	426.98	428.06	0.017939	5.67			36.07	18.28	1.29
Intermedio	84.500*	Max WS	UF_Tr200_D1_int	107.70	423.79	425.47	425.72	426.56	0.018688	4.62			23.32	17.35	1.27
Intermedio	84.500*	Max WS	UF_Tr200_D3_int	201.86	423.79	426.12	426.58	427.74	0.018615	5.67	1.03		37.35	25.51	1.39
Intermedio	84.500*	Max WS	UF_Tr200_D6_int	204.55	423.79	426.14	426.59	427.77	0.018643	5.70		1.06	37.72	25.54	1.33
Intermedio	84	Max WS	UF_Tr200_D1_int	107.75	423.54	425.15	425.47	426.34	0.021532	4.82			22.36	17.37	1.36
Intermedio	84	Max WS	UF_Tr200_D3_int	201.46	423.54	425.82	426.29	427.53	0.020543	5.80	0.87		35.09	21.14	1.39
Intermedio	84	Max WS	UF_Tr200_D6_int	204.08	423.54	425.83	426.31	427.56	0.020569	5.83	0.89		35.39	21.18	1.39
Intermedio	83.500*	Max WS	UF_Tr200_D1_int	107.79	423.19	424.92	425.12	425.88	0.016679	4.33			24.91	18.73	1.20
Intermedio	83.500*	Max WS	UF_Tr200_D3_int	199.91	423.19	425.60	425.88	426.95	0.015378	5.16	0.17	1.16	39.64	23.28	1.21
Intermedio	83.500*	Max WS	UF_Tr200_D6_int	202.41	423.19	425.62	425.91	426.98	0.015341	5.18	0.32	1.18	40.15	25.76	1.21
Intermedio	83	Max WS	UF_Tr200_D1_int	107.83	422.84	424.76	424.69	425.43	0.010360	3.63			29.73	19.74	0.94
Intermedio	83	Max WS	UF_Tr200_D3_int	197.23	422.84	425.45	425.49	426.44	0.010419	4.42	0.38	0.89	46.10	29.64	0.99
Intermedio	83	Max WS	UF_Tr200_D6_int	199.56	422.84	425.46	425.51	426.46	0.010404	4.44	0.40	0.91	46.54	29.77	0.99
Intermedio	82.500*	Max WS	UF_Tr200_D1_int	107.89	422.43	424.58		425.12	0.008069	3.26			33.14	22.24	0.85
Intermedio	82.500*	Max WS	UF_Tr200_D3_int	192.83	422.43	425.27		426.04	0.007313	3.88	0.82	0.74	51.45	29.37	0.86
Intermedio	82.500*	Max WS	UF_Tr200_D6_int	194.89	422.43	425.29		426.06	0.007289	3.90	0.64	0.76	51.88	29.37	0.86
Intermedio	82	Max WS	UF_Tr200_D1_int	107.95	422.02	424.46		424.81	0.004415	2.63			41.02	24.01	0.64
Intermedio	82	Max WS	UF_Tr200_D3_int	193.65	422.02	425.16		425.70	0.004533	3.29	0.67	0.62	60.98	29.68	0.69
Intermedio	82	Max WS	UF_Tr200_D6_int	195.90	422.02	425.17		425.72	0.004537	3.30	0.68	0.63	61.44	29.68	0.69
Intermedio	81	Max WS	UF_Tr200_D1_int	108.02	422.32	424.41	423.93	424.68	0.003946	2.29	0.18	0.12	47.37	36.31	0.60
Intermedio	81	Max WS	UF_Tr200_D3_int	196.49	422.32	425.13	424.53	425.51	0.003353	2.75	0.73	0.67	76.47	41.33	0.59
Intermedio	81	Max WS	UF_Tr200_D6_int	198.76	422.32	425.14	424.53	425.52	0.003346	2.76	0.74	0.68	77.12	41.33	0.59
Intermedio	80.750			Inl Struct											
Intermedio	80.500	Max WS	UF_Tr200_D1_int	108.02	415.99	417.35	417.80	418.77	0.034350	5.27			20.49	20.11	1.67
Intermedio	80.500	Max WS	UF_Tr200_D3_int	196.49	415.99	417.89	418.47	419.79	0.031782	6.10			32.24	23.66	1.67
Intermedio	80.500	Max WS	UF_Tr200_D6_int	198.76	415.99	417.91	418.49	419.81	0.031695	6.11			32.54	23.75	1.67
Intermedio	80	Max WS	UF_Tr200_D1_int	108.08	415.23	416.86	417.14	417.97	0.022624	4.66			23.22	19.90	1.38
Intermedio	80	Max WS	UF_Tr200_D3_int	197.07	415.23	417.43	417.86	419.06	0.021386	5.64			34.93	21.09	1.40
Intermedio	80	Max WS	UF_Tr200_D6_int	199.39	415.23	417.45	417.89	419.08	0.021336	5.66			35.22	21.11	1.40
Intermedio	79.983*	Max WS	UF_Tr200_D1_int	108.14	414.76	416.42	416.73	417.57	0.022802	4.76			22.74	18.98	1.39
Intermedio	79.983*	Max WS	UF_Tr200_D3_int	197.33	414.76	417.01	417.47	418.68	0.021920	5.72			34.47	20.83	1.42
Intermedio	79.983*	Max WS	UF_Tr200_D6_int	199.76	414.76	417.02	417.49	418.70	0.021876	5.74			34.78	20.87	1.42
Intermedio	79.965*	Max WS	UF_Tr200_D1_int	108.20	414.29	415.97	416.29	417.15	0.022636	4.82			22.47	18.30	1.39
Intermedio	79.965*	Max WS	UF_Tr200_D3_int	197.52	414.29	416.57	417.05	418.29	0.022189	5.81			34.02	20.33	1.43
Intermedio	79.965*	Max WS	UF_Tr200_D6_int	200.00	414.29	416.58	417.07	418.31	0.022170	5.83			34.32	20.38	1.43
Intermedio	79.948*	Max WS	UF_Tr200_D1_int	108.27	413.83	415.52	415.85	416.72	0.022634	4.85			22.31	17.97	1.39
Intermedio	79.948*	Max WS	UF_Tr200_D3_int	197.65	413.83	416.13	416.63	417.88	0.022049	5.85			33.79	19.86	1.43
Intermedio	79.948*	Max WS	UF_Tr200_D6_int	200.17	413.83	416.15	416.64	417.90	0.022040	5.87			34.09	19.92	1.43
Intermedio	79.931*	Max WS	UF_Tr200_D1_int	108.33	413.36	415.08	415.40	416.28	0.022285	4.85			22.31	17.76	1.38
Intermedio	79.931*	Max WS	UF_Tr200_D3_int	197.79	413.36	415.70	416.18	417.43	0.021331	5.83			33.94	19.57	1.41
Intermedio	79.931*	Max WS	UF_Tr200_D6_int	200.33	413.36	415.72	416.21	417.46	0.021291	5.85			34.26	19.61	1.41
Intermedio	79.914*	Max WS	UF_Tr200_D1_int	108.39	412.89	414.65	414.96	415.82	0.021178	4.78			22.65	17.75	1.35
Intermedio	79.914*	Max WS	UF_Tr200_D3_int	197.93	412.89	415.29	415.74	416.96	0.019974	5.72			34.63	19.54	1.37
Intermedio	79.914*	Max WS	UF_Tr200_D6_int	200.50	412.89	415.31	415.76	416.99	0.019930	5.74			34.95	19.58	1.37
Intermedio	79.896*	Max WS	UF_Tr200_D1_int	108.46	412.42	414.26	414.50	415.33	0.018770	4.59			23.65	18.03	1.28
Intermedio	79.896*	Max WS	UF_Tr200_D3_int	198.07	412.42	414.92	415.29	416.45	0.017578	5.48			36.14	19.69	1.29
Intermedio	79.896*	Max WS	UF_Tr200_D6_int	200.67	412.42	414.94	415.31	416.48	0.017556	5.50			36.48	19.74	1.29
Intermedio	79.879	Max WS	UF_Tr200_D1_int	108.52	411.95	413.93	414.04	414.82	0.014172	4.18			25.98	18.38	1.12
Intermedio	79.879	Max WS	UF_Tr200_D3_int	198.20	411.95	414.60	414.83	415.93	0.014152	5.09			38.92	20.02	1.17
Intermedio	79.879	Max WS	UF_Tr200_D6_int	200.83	411.95	414.62	414.86	415.96	0.014152	5.11			39.27	20.06	1.17
Intermedio	79.862*	Max WS	UF_Tr200_D1_int	108.58	411.64	413.65	413.78	414.55	0.014375	4.20			25.87	18.36	1.13
Intermedio	79.862*	Max WS	UF_Tr200_D3_int	198.34	411.64	414.32	414.56	415.65	0.014375	5.11			38.80	20.13	1.18
Intermedio	79.862*	Max WS	UF_Tr200_D6_int	200.99	411.64	414.34	414.58	415.68	0.014371	5.13			39.16	20.17	1.18
Intermedio	79.845*	Max WS	UF_Tr200_D1_int	108.64	411.33	413.36	413.50	414.27	0.014596	4.22			25.76	18.38	1.14
Intermedio	79.845*	Max WS	UF_Tr200_D3_int	198.48	411.33	414.03	414.28	415.37	0.014551	5.12			38.74	20.25	1.18
Intermedio	79.845*	Max WS	UF_Tr200_D6_int	201.16	411.33	414.05	414.30	415.40	0.014532	5.14			39.11	20.29	1.18
Intermedio	79.827*	Max WS	UF_Tr200_D1_int	108.71	411.02	413.07	413.22	413.99	0.014885	4.24			25.65	18.46	1.15
Intermedio	79.827*	Max WS	UF_Tr200_D3_int	198.61	411.02	413.74	414.00	415.08	0.014646	5.12			38.77	20.40	1.19
Intermedio	79.827*	Max WS	UF_Tr200_D6_int	201.32	411.02	413.76	414.02	415.11	0.014608	5.14			39.16	20.45	1.19
Intermedio	79.810*	Max WS	UF_Tr200_D1_int	108.77	410.71	412.77	412.93	413.70	0.015270	4.26			25.54	18.62	1.16
Intermedio	79.810*	Max WS	UF_Tr200_D3_int	198.75	410.71	413.45	413.71	414.78	0.014650	5.10			38.95	20.66	1.19
Intermedio	79.810*	Max WS	UF_Tr200_D6_int	201.48	410.71	413.47	413.73	414.81	0.014598	5.12			39.37	20.72	1.19
Intermedio	79.793*	Max WS	UF_Tr200_D1_int	108.83	410.40	412.47	412.63	413.40	0.015586	4.27			25.46	18.75	1.17
Intermedio	79.793*	Max WS	UF_Tr200_D3_int	198.88	410.40	413.17	413.41	414.47	0.014517	5.05			39.36	21.08	1.18
Intermedio	79.793*	Max WS	UF_Tr200_D6_int	201.65	410.40	413.19	413.43	414.49	0.014444	5.06			39.81	21.16	1.18
Intermedio	79.776*	Max WS	UF_Tr200_D1_int	108.90	410.09	412.16	412.33	413.09	0.015793	4.28			25.45	18.87	1.18
Intermedio	79.776*	Max WS	UF_Tr200_D3_int	199.76	410.09	412.88	413.11	414.14	0.014177	4.98			40.14	21.64	1.17
Intermedio	79.776*	Max WS	UF_Tr200_D6_int	202.66	410.09	412.90	413.13	414.17	0.014088	4.99			40.63	21.72	1.16
Intermedio	79.759														

HEC-RAS Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Intermedio	79.741*	Max WS	UF_Tr200_D1_int	109.04	409.46	411.53	411.69	412.43	0.015689	4.20			25.97	19.69	1.17
Intermedio	79.741*	Max WS	UF_Tr200_D3_int	203.34	409.46	412.34	412.48	413.47	0.012353	4.69			43.34	22.97	1.09
Intermedio	79.741*	Max WS	UF_Tr200_D6_int	206.48	409.46	412.37	412.50	413.50	0.012263	4.70			43.92	23.08	1.09
Intermedio	79.724*	Max WS	UF_Tr200_D1_int	109.12	409.15	411.24	411.34	412.07	0.014155	4.03			27.05	20.07	1.11
Intermedio	79.724*	Max WS	UF_Tr200_D3_int	203.64	409.15	412.11	412.18	413.09	0.011483	4.38			46.46	25.85	1.04
Intermedio	79.724*	Max WS	UF_Tr200_D6_int	206.84	409.15	412.14	412.19	413.12	0.011366	4.39			47.13	25.97	1.04
Intermedio	79.707	Max WS	UF_Tr200_D1_int	109.19	408.84	410.99	410.99	411.69	0.011306	3.73			29.31	20.57	1.00
Intermedio	79.707	Max WS	UF_Tr200_D3_int	203.99	408.84	411.92		412.72	0.008826	3.96			51.47	27.21	0.92
Intermedio	79.707	Max WS	UF_Tr200_D6_int	207.26	408.84	411.95		412.75	0.008744	3.97			52.20	27.32	0.92
Intermedio	79.690*	Max WS	UF_Tr200_D1_int	109.26	408.27	410.81		411.32	0.006879	3.16			34.56	21.42	0.79
Intermedio	79.690*	Max WS	UF_Tr200_D3_int	204.18	408.27	411.77		412.39	0.005988	3.48			58.61	28.19	0.77
Intermedio	79.690*	Max WS	UF_Tr200_D6_int	207.50	408.27	411.80		412.42	0.005948	3.49			59.40	28.30	0.77
Intermedio	79.673	Max WS	UF_Tr200_D1_int	109.34	407.71	410.70	410.07	411.05	0.003958	2.62			41.79	22.65	0.62
Intermedio	79.673	Max WS	UF_Tr200_D3_int	204.48	407.71	411.70	410.93	412.16	0.003849	3.00			68.15	29.37	0.63
Intermedio	79.673	Max WS	UF_Tr200_D6_int	207.83	407.71	411.73	410.98	412.19	0.003830	3.01			69.02	29.47	0.63
Intermedio	79.66			Inl Struct											
Intermedio	79.655	Max WS	UF_Tr200_D1_int	109.34	406.07	407.93		408.53	0.009738	3.42			31.98	22.62	0.92
Intermedio	79.655	Max WS	UF_Tr200_D3_int	204.48	406.07	408.67		409.55	0.009144	4.17			49.03	23.90	0.93
Intermedio	79.655	Max WS	UF_Tr200_D6_int	207.83	406.07	408.69		409.59	0.009116	4.19			49.61	23.94	0.93
Intermedio	79.65			Lat Struct											
Intermedio	79.64			Lat Struct											
Intermedio	79.638*	Max WS	UF_Tr200_D1_int	109.41	405.75	407.70	407.81	408.47	0.014437	3.90			28.05	22.58	1.12
Intermedio	79.638*	Max WS	UF_Tr200_D3_int	204.67	405.75	408.47	408.50	409.44	0.011006	4.37			46.78	25.52	1.03
Intermedio	79.638*	Max WS	UF_Tr200_D6_int	208.05	405.75	408.49	408.54	409.47	0.010908	4.39			47.44	25.59	1.03
Intermedio	79.621	Max WS	UF_Tr200_D1_int	109.48	405.43	407.46		408.09	0.009188	3.49			31.38	21.01	0.91
Intermedio	79.621	Max WS	UF_Tr200_D3_int	204.86	405.43	408.28		409.15	0.008440	4.13			49.59	23.85	0.91
Intermedio	79.621	Max WS	UF_Tr200_D6_int	208.42	405.43	408.30		409.18	0.008421	4.15			50.24	23.95	0.91
Intermedio	79.604*	Max WS	UF_Tr200_D1_int	109.55	405.05	407.27	407.24	407.97	0.010400	3.71			29.49	19.67	0.97
Intermedio	79.604*	Max WS	UF_Tr200_D3_int	204.99	405.05	408.09	408.07	409.06	0.009744	4.34			47.23	23.55	0.98
Intermedio	79.604*	Max WS	UF_Tr200_D6_int	208.58	405.05	408.12	408.09	409.09	0.009695	4.36			47.87	23.64	0.98
Intermedio	79.586*	Max WS	UF_Tr200_D1_int	109.63	404.68	407.06	407.05	407.82	0.011145	3.87			28.31	18.62	1.00
Intermedio	79.586*	Max WS	UF_Tr200_D3_int	205.18	404.68	407.90	407.90	408.96	0.010052	4.56			45.04	21.10	1.00
Intermedio	79.586*	Max WS	UF_Tr200_D6_int	208.81	404.68	407.93	407.93	408.99	0.010026	4.57			45.64	21.19	1.00
Intermedio	79.569	Max WS	UF_Tr200_D1_int	109.70	404.31	406.84	406.81	407.66	0.010549	4.00			27.42	16.04	0.98
Intermedio	79.569	Max WS	UF_Tr200_D3_int	205.34	404.31	407.69	407.75	408.91	0.011010	4.90			41.94	18.35	1.03
Intermedio	79.569	Max WS	UF_Tr200_D6_int	209.00	404.31	407.72	407.78	408.95	0.011018	4.92			42.46	18.44	1.04
Intermedio	79.552*	Max WS	UF_Tr200_D1_int	109.77	404.16	406.63	406.63	407.46	0.010877	4.03			27.26	16.23	0.99
Intermedio	79.552*	Max WS	UF_Tr200_D3_int	205.48	404.16	407.47	407.55	408.70	0.011237	4.91			41.82	18.58	1.05
Intermedio	79.552*	Max WS	UF_Tr200_D6_int	209.15	404.16	407.50	407.58	408.74	0.011237	4.94			42.35	18.65	1.05
Intermedio	79.535*	Max WS	UF_Tr200_D1_int	109.85	404.01	406.42	406.43	407.25	0.011177	4.05			27.14	16.43	1.01
Intermedio	79.535*	Max WS	UF_Tr200_D3_int	205.61	404.01	407.25	407.35	408.48	0.011420	4.92			41.80	18.82	1.05
Intermedio	79.535*	Max WS	UF_Tr200_D6_int	209.32	404.01	407.28	407.37	408.53	0.011419	4.94			42.33	18.91	1.06
Intermedio	79.518*	Max WS	UF_Tr200_D1_int	109.92	403.86	406.20	406.21	407.04	0.011432	4.06			27.10	16.66	1.02
Intermedio	79.518*	Max WS	UF_Tr200_D3_int	205.73	403.86	407.03	407.13	408.26	0.011543	4.91			41.90	19.12	1.06
Intermedio	79.518*	Max WS	UF_Tr200_D6_int	209.48	403.86	407.05	407.16	408.30	0.011535	4.94			42.44	19.19	1.06
Intermedio	79.502*	Max WS	UF_Tr200_D1_int	109.99	403.71	405.97	406.00	406.81	0.011606	4.05			27.15	16.94	1.02
Intermedio	79.502*	Max WS	UF_Tr200_D3_int	205.87	403.71	406.80	406.90	408.02	0.011530	4.88			42.17	19.42	1.06
Intermedio	79.502*	Max WS	UF_Tr200_D6_int	209.64	403.71	406.83	406.92	408.06	0.011524	4.91			42.72	19.49	1.06
Intermedio	79.485*	Max WS	UF_Tr200_D1_int	110.06	403.57	405.75	405.77	406.58	0.011669	4.03			27.30	17.23	1.02
Intermedio	79.485*	Max WS	UF_Tr200_D3_int	206.00	403.57	406.58	406.65	407.77	0.011382	4.83			42.64	19.75	1.05
Intermedio	79.485*	Max WS	UF_Tr200_D6_int	209.79	403.57	406.61	406.68	407.81	0.011370	4.86			43.20	19.83	1.05
Intermedio	79.468*	Max WS	UF_Tr200_D1_int	110.14	403.42	405.52	405.54	406.33	0.011554	3.99			27.60	17.55	1.02
Intermedio	79.468*	Max WS	UF_Tr200_D3_int	206.14	403.42	406.36	406.42	407.51	0.011047	4.75			43.39	20.14	1.03
Intermedio	79.468*	Max WS	UF_Tr200_D6_int	209.95	403.42	406.39	406.44	407.55	0.011036	4.78			43.97	20.21	1.03
Intermedio	79.451	Max WS	UF_Tr200_D1_int	110.21	403.27	405.30	405.30	406.08	0.011170	3.92			28.13	17.90	1.00
Intermedio	79.451	Max WS	UF_Tr200_D3_int	206.26	403.27	406.15	406.16	407.24	0.010491	4.63			44.51	20.57	1.01
Intermedio	79.451	Max WS	UF_Tr200_D6_int	210.11	403.27	406.18	406.19	407.28	0.010480	4.66			45.10	20.65	1.01
Intermedio	79.434*	Max WS	UF_Tr200_D1_int	110.28	402.99	405.08	405.09	405.85	0.011382	3.88			28.40	18.70	1.01
Intermedio	79.434*	Max WS	UF_Tr200_D3_int	206.39	402.99	405.95	405.92	406.99	0.009869	4.52			45.71	21.17	0.98
Intermedio	79.434*	Max WS	UF_Tr200_D6_int	210.27	402.99	405.98	405.95	407.03	0.009863	4.54			46.33	21.27	0.98
Intermedio	79.418	Max WS	UF_Tr200_D1_int	110.35	402.71	404.88		405.54	0.009598	3.60			30.68	19.66	0.92
Intermedio	79.418	Max WS	UF_Tr200_D3_int	206.53	402.71	405.77		406.67	0.008227	4.19			49.25	21.87	0.89
Intermedio	79.418	Max WS	UF_Tr200_D6_int	210.56	402.71	405.80		406.71	0.008243	4.22			49.89	21.96	0.89
Intermedio	79.401*	Max WS	UF_Tr200_D1_int	110.43	402.41	404.70		405.35	0.008963	3.58			30.84	19.01	0.90
Intermedio	79.401*	Max WS	UF_Tr200_D3_int	206.67	402.41	405.61		406.50	0.007945	4.16			49.73	22.02	0.88
Intermedio	79.401*	Max WS	UF_Tr200_D6_int	210.72	402.41	405.64		406.54	0.007959	4.18			50.37	22.11	0.89
Intermedio	79.384	Max WS	UF_Tr200_D1_int	110.50	402.12	404.54		405.10	0.006700	3.30			33.51	18.24	0.78
Intermedio	79.384	Max WS	UF_Tr200_D3_int	206.81	402.12	405.47		406.28	0.007366	3.99			51.80	22.41	0.84
Intermedio	79.384	Max WS	UF_Tr200_D6_int	210.88	402.12	405.49		406.32	0.007388	4.02			52.44	22.49	0.84
Intermedio	79.367	Max WS	UF_Tr200_D1_int	110.55	401.90	404.44		404.87	0.004872	2.90			38.19	20.69	0.68
Intermedio	79.367	Max WS	UF_Tr200_D3_int	206.95	401.90	405.34		405.98	0.005113	3.53			58.59	24.07	0.72
Intermedio	79.367	Max WS	UF_Tr200_D6_int	211.04	401.90	405.37		406.02	0.005144	3.56			59.27	24.15	0.73
Intermedio	79.350*	Max WS	UF_Tr200_D1_int	110.64	401.72	404.33		404.80	0.005977	3.04			36.37	21.60	0.75
Intermedio	79.350*	Max WS	UF_Tr200_D3_int	207.09	401.72	405.24		405.88	0.005603	3.56			58.17	25.71	0.76
Intermedio	79.350*	Max WS	UF_Tr200_D6_int	211.20	401.72	405.26		405.92	0.005625	3.59			58.88	25.81	0.76
Intermedio	79.334*	Max WS	UF_Tr200_D1_int	110.72	401.53	404.21		404.67	0.005921	2.98			37.16	22.61	0.74
Intermedio	79.334*	Max WS	UF_Tr200_D3_int	207.23	401.53	405.13		405.73	0.005190	3.42	0.14	0.32	61.11	32.69	0.78
Intermedio	79.334*	Max WS	UF_Tr200_D6_int	211.36	401.53	405.16		405.77	0.005176	3.45	0.19	0.36	62.03	32.69	0.73
Intermedio	79.317	Max WS	UF_Tr200_D1_int	110.81	401.34	404.14	403.48	404.50	0.004194	2.67			41.52	22.66	0.63
Intermedio	79.317	Max WS	UF_Tr200_D3_int	202.63	401.34	405.05	404.40	405.52	0.003827	3.05	0.57	0.66			

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	79.317	Max WS	UF_Tr200_D6_int	206.13	401.34	405.08	404.49	405.55	0.003793	3.06	0.58	0.67	70.10	33.20	0.63
Intermedio	79.310			Inl Struct											
Intermedio	79.284	Max WS	UF_Tr200_D1_int	110.80	398.35	400.84		401.39	0.006312	3.28			33.73	18.02	0.77
Intermedio	79.284	Max WS	UF_Tr200_D3_int	202.63	398.35	401.87		402.59	0.005709	3.76			53.90	21.49	0.76
Intermedio	79.284	Max WS	UF_Tr200_D6_int	206.13	398.35	401.90		402.63	0.005717	3.77			54.70	21.76	0.76
Intermedio	79.267	Max WS	UF_Tr200_D1_int	110.89	397.81	400.77	400.08	401.14	0.003689	2.68			41.36	20.19	0.60
Intermedio	79.267	Max WS	UF_Tr200_D3_int	204.87	397.81	401.81	400.95	402.31	0.003812	3.12			65.75	26.19	0.63
Intermedio	79.267	Max WS	UF_Tr200_D6_int	208.71	397.81	401.85	400.98	402.35	0.003797	3.13			66.70	26.32	0.63
Intermedio	79.255			Inl Struct											
Intermedio	79.233	Max WS	UF_Tr200_D1_int	110.89	396.73	398.97	399.11	399.86	0.014339	4.18			26.51	18.87	1.13
Intermedio	79.233	Max WS	UF_Tr200_D3_int	204.87	396.73	399.75	399.90	400.92	0.012709	4.80			42.69	22.37	1.11
Intermedio	79.233	Max WS	UF_Tr200_D6_int	208.71	396.73	399.78	399.93	400.96	0.012604	4.81			43.36	22.45	1.11
Intermedio	79.216*	Max WS	UF_Tr200_D1_int	110.97	396.43	398.69	398.83	399.60	0.014319	4.23			26.25	18.36	1.13
Intermedio	79.216*	Max WS	UF_Tr200_D3_int	205.72	396.43	399.50	399.64	400.70	0.012310	4.85			42.41	21.23	1.10
Intermedio	79.216*	Max WS	UF_Tr200_D6_int	209.74	396.43	399.53	399.67	400.74	0.012216	4.87			43.09	21.31	1.09
Intermedio	79.199*	Max WS	UF_Tr200_D1_int	111.05	396.14	398.42	398.54	399.34	0.013760	4.25			26.14	17.53	1.11
Intermedio	79.199*	Max WS	UF_Tr200_D3_int	206.38	396.14	399.26	399.39	400.49	0.011927	4.90			42.13	20.11	1.08
Intermedio	79.199*	Max WS	UF_Tr200_D6_int	210.54	396.14	399.30	399.43	400.53	0.011861	4.92			42.80	20.21	1.08
Intermedio	79.183*	Max WS	UF_Tr200_D1_int	111.14	395.84	398.16	398.25	399.08	0.012870	4.24			26.19	16.57	1.08
Intermedio	79.183*	Max WS	UF_Tr200_D3_int	206.77	395.84	399.03	399.14	400.28	0.011592	4.95			41.81	19.02	1.07
Intermedio	79.183*	Max WS	UF_Tr200_D6_int	211.01	395.84	399.07	399.17	400.33	0.011545	4.97			42.46	19.11	1.06
Intermedio	79.166*	Max WS	UF_Tr200_D1_int	111.22	395.55	397.92	397.97	398.82	0.011839	4.21			26.43	15.65	1.03
Intermedio	79.166*	Max WS	UF_Tr200_D3_int	206.91	395.55	398.81	398.90	400.08	0.011356	5.00			41.41	17.94	1.05
Intermedio	79.166*	Max WS	UF_Tr200_D6_int	211.17	395.55	398.85	398.94	400.13	0.011332	5.02			42.05	18.04	1.05
Intermedio	79.149	Max WS	UF_Tr200_D1_int	111.30	395.25	397.70	397.68	398.57	0.010793	4.15			26.84	14.76	0.98
Intermedio	79.149	Max WS	UF_Tr200_D3_int	207.05	395.25	398.59	398.66	399.89	0.011324	5.06			40.90	16.89	1.04
Intermedio	79.149	Max WS	UF_Tr200_D6_int	211.32	395.25	398.62	398.70	399.95	0.011321	5.09			41.51	16.97	1.04
Intermedio	79.132*	Max WS	UF_Tr200_D1_int	111.39	395.08	397.49	397.45	398.31	0.010296	4.02			27.73	15.67	0.96
Intermedio	79.132*	Max WS	UF_Tr200_D3_int	207.48	395.08	398.37	398.39	399.59	0.010518	4.87			42.57	17.88	1.01
Intermedio	79.132*	Max WS	UF_Tr200_D6_int	211.82	395.08	398.41	398.43	399.64	0.010508	4.90			43.21	17.96	1.01
Intermedio	79.115*	Max WS	UF_Tr200_D1_int	111.48	394.91	397.30	397.23	398.06	0.009786	3.88			28.72	16.63	0.94
Intermedio	79.115*	Max WS	UF_Tr200_D3_int	208.13	394.91	398.18	398.13	399.29	0.009724	4.68			44.46	18.91	0.98
Intermedio	79.115*	Max WS	UF_Tr200_D6_int	212.54	394.91	398.21	398.17	399.34	0.009706	4.71			45.14	18.99	0.98
Intermedio	79.099*	Max WS	UF_Tr200_D1_int	111.56	394.74	397.11		397.82	0.009274	3.74			29.83	17.70	0.92
Intermedio	79.099*	Max WS	UF_Tr200_D3_int	208.53	394.74	398.00		399.02	0.008881	4.47			46.61	19.98	0.94
Intermedio	79.099*	Max WS	UF_Tr200_D6_int	212.97	394.74	398.03		399.06	0.008857	4.50			47.34	20.06	0.94
Intermedio	79.082*	Max WS	UF_Tr200_D1_int	111.65	394.57	396.93		397.59	0.008799	3.59			31.11	19.01	0.90
Intermedio	79.082*	Max WS	UF_Tr200_D3_int	208.66	394.57	397.83		398.75	0.007984	4.25			49.11	21.09	0.89
Intermedio	79.082*	Max WS	UF_Tr200_D6_int	213.13	394.57	397.87		398.80	0.007958	4.27			49.88	21.16	0.89
Intermedio	79.065	Max WS	UF_Tr200_D1_int	111.73	394.40	396.77		397.37	0.008100	3.42			32.84	20.16	0.86
Intermedio	79.065	Max WS	UF_Tr200_D3_int	208.80	394.40	397.68		398.50	0.007087	4.01			52.03	22.23	0.80
Intermedio	79.065	Max WS	UF_Tr200_D6_int	213.28	394.40	397.72		398.55	0.007045	4.04			52.84	22.31	0.84
Intermedio	79.048*	Max WS	UF_Tr200_D1_int	111.81	394.29	396.62		397.16	0.007041	3.26			34.32	20.68	0.81
Intermedio	79.048*	Max WS	UF_Tr200_D3_int	208.93	394.29	397.55		398.30	0.006219	3.82			54.62	23.01	0.79
Intermedio	79.048*	Max WS	UF_Tr200_D6_int	213.44	394.29	397.59		398.35	0.006208	3.85			55.47	23.11	0.79
Intermedio	79.032*	Max WS	UF_Tr200_D1_int	111.90	394.18	396.50		396.94	0.005333	2.95			37.94	21.41	0.71
Intermedio	79.032*	Max WS	UF_Tr200_D3_int	209.07	394.18	397.45		398.08	0.004999	3.52			59.33	23.86	0.70
Intermedio	79.032*	Max WS	UF_Tr200_D6_int	213.59	394.18	397.48		398.13	0.005006	3.55			60.20	23.98	0.72
Intermedio	79.015	Max WS	UF_Tr200_D1_int	111.98	394.07	396.47	395.76	396.78	0.003308	2.49			44.91	22.24	0.56
Intermedio	79.015	Max WS	UF_Tr200_D3_int	209.21	394.07	397.42	396.54	397.91	0.003481	3.11	0.08	0.26	68.21	31.84	0.60
Intermedio	79.015	Max WS	UF_Tr200_D6_int	213.75	394.07	397.45	396.57	397.95	0.003474	3.13	0.11	0.28	69.40	32.95	0.60
Intermedio	79.005			Inl Struct											
Intermedio	79	Max WS	UF_Tr200_D1_int	111.98	392.73	394.86		395.34	0.006487	3.06			36.62	21.42	0.75
Intermedio	79	Max WS	UF_Tr200_D3_int	209.20	392.73	395.80		396.48	0.005742	3.66			57.18	22.20	0.73
Intermedio	79	Max WS	UF_Tr200_D6_int	213.75	392.73	395.84		396.53	0.005727	3.68			58.05	22.23	0.73
Intermedio	78.932	Max WS	UF_Tr200_D1_int	112.07	392.59	394.70		395.34	0.009313	3.52			31.81	21.28	0.92
Intermedio	78.932	Max WS	UF_Tr200_D3_int	209.34	392.59	395.68		396.42	0.006984	3.82			54.83	25.93	0.84
Intermedio	78.932	Max WS	UF_Tr200_D6_int	213.91	392.59	395.72		396.46	0.006910	3.83			55.87	26.09	0.84
Intermedio	78.864*	Max WS	UF_Tr200_D1_int	112.15	392.19	394.54		395.08	0.007348	3.27			34.29	21.37	0.82
Intermedio	78.864*	Max WS	UF_Tr200_D3_int	209.49	392.19	395.55		396.21	0.005811	3.61			58.01	25.84	0.77
Intermedio	78.864*	Max WS	UF_Tr200_D6_int	214.07	392.19	395.59		396.26	0.005762	3.62			59.08	26.00	0.77
Intermedio	78.796	Max WS	UF_Tr200_D1_int	112.24	391.78	394.42		394.83	0.004946	2.85			39.37	22.00	0.68
Intermedio	78.796	Max WS	UF_Tr200_D3_int	209.63	391.78	395.47		396.01	0.004233	3.28			63.96	25.38	0.66
Intermedio	78.796	Max WS	UF_Tr200_D6_int	214.22	391.78	395.51		396.06	0.004232	3.29			65.05	25.62	0.66
Intermedio	78.728	Max WS	UF_Tr200_D1_int	112.33	391.70	394.37	393.69	394.70	0.003446	2.55			44.03	21.66	0.57
Intermedio	78.728	Max WS	UF_Tr200_D3_int	209.77	391.70	395.42	394.47	395.91	0.003412	3.08			68.09	24.59	0.59
Intermedio	78.728	Max WS	UF_Tr200_D6_int	214.39	391.70	395.47	394.50	395.96	0.003419	3.10			69.12	24.75	0.59
Intermedio	78.7			Inl Struct											
Intermedio	78.661	Max WS	UF_Tr200_D1_int	112.33	387.93	389.89		390.50	0.008200	3.46			32.45	19.50	0.86
Intermedio	78.661	Max WS	UF_Tr200_D3_int	209.77	387.93	390.66		391.63	0.008775	4.38			47.91	20.67	0.92
Intermedio	78.661	Max WS	UF_Tr200_D6_int	214.38	387.93	390.69		391.68	0.008783	4.41			48.60	20.72	0.92
Intermedio	78.593	Max WS	UF_Tr200_D1_int	112.42	387.77	389.69	389.69	390.41	0.011629	3.75			29.97	21.07	1.00
Intermedio	78.593	Max WS	UF_Tr200_D3_int	209.91	387.77	390.47	390.46	391.48	0.010317	4.47			46.99	22.75	0.99
Intermedio	78.593	Max WS	UF_Tr200_D6_int	214.55	387.77	390.50	390.49	391.53	0.010269	4.49			47.75	22.82	0.99
Intermedio	78.525*	Max WS	UF_Tr200_D1_int	112.52	387.39	389.46	389.50	390.23	0.012152	3.89			28.89	20.21	1.04
Intermedio	78.525*	Max WS	UF_Tr200_D3_int	210.06	387.39	390.26	390.28	391.31	0.010696	4.55			46.19	22.91	1.00
Intermedio	78.525*	Max WS	UF_Tr200_D6_int	214.70	387.39	390.29	390.32	391.36	0.010625	4.57			46.99	23.02	1.02
Intermedio	78.457	Max WS	UF_Tr200_D1_int	112.62	387.01	389.24		389.89	0.009616	3.55			31.69	21.34	0.93
Intermedio	78.457	Max WS	UF_Tr200_D3_int	210.20	387.01	390.07		390.96	0.008338	4.18			50.23	23.26	0.91

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	78.457	Max WS	UF_Tr200_D6_int	214.86	387.01	390.11		391.01	0.008284	4.21			51.08	23.34	0.91
Intermedio	78.389*	Max WS	UF_Tr200_D1_int	112.71	386.75	389.06		389.69	0.009183	3.53			31.97	21.07	0.91
Intermedio	78.389*	Max WS	UF_Tr200_D3_int	210.34	386.75	389.91		390.78	0.007928	4.13			50.89	23.14	0.89
Intermedio	78.389*	Max WS	UF_Tr200_D6_int	215.03	386.75	389.95		390.83	0.007874	4.15			51.76	23.23	0.89
Intermedio	78.321*	Max WS	UF_Tr200_D1_int	112.81	386.50	388.88		389.50	0.008677	3.48			32.37	20.79	0.89
Intermedio	78.321*	Max WS	UF_Tr200_D3_int	210.49	386.50	389.76		390.61	0.007516	4.08			51.64	23.04	0.87
Intermedio	78.321*	Max WS	UF_Tr200_D6_int	215.18	386.50	389.80		390.65	0.007467	4.10			52.53	23.13	0.87
Intermedio	78.254*	Max WS	UF_Tr200_D1_int	112.91	386.25	388.72		389.32	0.008095	3.43			32.93	20.52	0.86
Intermedio	78.254*	Max WS	UF_Tr200_D3_int	210.63	386.25	389.61		390.44	0.007110	4.01			52.47	22.95	0.85
Intermedio	78.254*	Max WS	UF_Tr200_D6_int	215.34	386.25	389.65		390.48	0.007070	4.03			53.38	23.05	0.85
Intermedio	78.186*	Max WS	UF_Tr200_D1_int	113.01	385.99	388.56		389.14	0.007443	3.36			33.65	20.23	0.83
Intermedio	78.186*	Max WS	UF_Tr200_D3_int	210.77	385.99	389.48		390.27	0.006721	3.95			53.39	22.88	0.83
Intermedio	78.186*	Max WS	UF_Tr200_D6_int	215.50	385.99	389.52		390.32	0.006689	3.97			54.30	22.99	0.82
Intermedio	78.118*	Max WS	UF_Tr200_D1_int	113.11	385.74	388.42		388.97	0.006727	3.27			34.58	19.92	0.79
Intermedio	78.118*	Max WS	UF_Tr200_D3_int	210.92	385.74	389.35		390.12	0.006355	3.88			54.36	22.83	0.80
Intermedio	78.118*	Max WS	UF_Tr200_D6_int	215.66	385.74	389.39		390.16	0.006329	3.90			55.29	22.96	0.80
Intermedio	78.05	Max WS	UF_Tr200_D1_int	113.21	385.49	388.30	387.93	388.81	0.005739	3.17			35.73	19.57	0.74
Intermedio	78.05	Max WS	UF_Tr200_D3_int	211.06	385.49	389.23	388.76	390.02	0.005388	3.92			53.86	22.83	0.76
Intermedio	78.05	Max WS	UF_Tr200_D6_int	215.82	385.49	389.27	388.80	390.07	0.005357	3.95			54.68	22.98	0.76
Intermedio	78.025		Bridge												
Intermedio	78	Max WS	UF_Tr200_D1_int	113.21	384.97	387.30	387.43	388.25	0.013893	4.32			26.18	17.74	1.12
Intermedio	78	Max WS	UF_Tr200_D3_int	211.06	384.97	388.07	388.31	389.48	0.013338	5.26			40.13	20.34	1.15
Intermedio	78	Max WS	UF_Tr200_D6_int	215.82	384.97	388.11	388.35	389.54	0.013324	5.30			40.75	20.45	1.16
Intermedio	77.95		Lat Struct												
Intermedio	77.93		Lat Struct												
Intermedio	77.923*	Max WS	UF_Tr200_D1_int	113.30	384.70	387.04	387.17	387.98	0.014227	4.31			26.31	17.60	1.12
Intermedio	77.923*	Max WS	UF_Tr200_D3_int	211.20	384.70	387.82	388.04	389.17	0.013780	5.14			41.05	20.21	1.15
Intermedio	77.923*	Max WS	UF_Tr200_D6_int	215.97	384.70	387.85	388.07	389.22	0.013769	5.18			41.72	20.33	1.15
Intermedio	77.846*	Max WS	UF_Tr200_D1_int	113.40	384.44	386.77	386.90	387.72	0.014154	4.32			26.28	17.44	1.12
Intermedio	77.846*	Max WS	UF_Tr200_D3_int	211.33	384.44	387.56	387.78	388.91	0.013721	5.15			41.02	20.08	1.15
Intermedio	77.846*	Max WS	UF_Tr200_D6_int	216.13	384.44	387.59	387.81	388.96	0.013700	5.18			41.71	20.20	1.15
Intermedio	77.769*	Max WS	UF_Tr200_D1_int	113.50	384.17	386.50	386.63	387.46	0.014063	4.32			26.25	17.28	1.12
Intermedio	77.769*	Max WS	UF_Tr200_D3_int	211.47	384.17	387.30	387.52	388.65	0.013665	5.16			41.01	19.97	1.15
Intermedio	77.769*	Max WS	UF_Tr200_D6_int	216.28	384.17	387.33	387.55	388.70	0.013639	5.19			41.69	20.09	1.15
Intermedio	77.692*	Max WS	UF_Tr200_D1_int	113.59	383.90	386.24	386.36	387.19	0.013952	4.33			26.23	17.11	1.12
Intermedio	77.692*	Max WS	UF_Tr200_D3_int	211.62	383.90	387.04	387.26	388.40	0.013606	5.16			41.01	19.87	1.15
Intermedio	77.692*	Max WS	UF_Tr200_D6_int	216.44	383.90	387.07	387.29	388.45	0.013581	5.19			41.70	20.00	1.15
Intermedio	77.615*	Max WS	UF_Tr200_D1_int	113.68	383.63	385.97	386.10	386.93	0.013815	4.34			26.22	16.93	1.11
Intermedio	77.615*	Max WS	UF_Tr200_D3_int	211.75	383.63	386.78	387.00	388.14	0.013553	5.16			41.01	19.79	1.15
Intermedio	77.615*	Max WS	UF_Tr200_D6_int	216.58	383.63	386.81	387.04	388.19	0.013528	5.19			41.71	19.92	1.15
Intermedio	77.538*	Max WS	UF_Tr200_D1_int	113.78	383.36	385.71	385.84	386.67	0.013712	4.34			26.22	16.80	1.11
Intermedio	77.538*	Max WS	UF_Tr200_D3_int	211.89	383.36	386.52	386.74	387.88	0.013506	5.16			41.03	19.74	1.14
Intermedio	77.538*	Max WS	UF_Tr200_D6_int	216.74	383.36	386.56	386.77	387.93	0.013487	5.19			41.73	19.87	1.14
Intermedio	77.462*	Max WS	UF_Tr200_D1_int	113.87	383.10	385.45	385.57	386.41	0.013594	4.34			26.25	16.71	1.11
Intermedio	77.462*	Max WS	UF_Tr200_D3_int	212.03	383.10	386.27	386.47	387.63	0.013429	5.16			41.09	19.69	1.14
Intermedio	77.462*	Max WS	UF_Tr200_D6_int	216.89	383.10	386.30	386.51	387.68	0.013379	5.19			41.79	19.78	1.14
Intermedio	77.385*	Max WS	UF_Tr200_D1_int	113.95	382.83	385.20	385.31	386.15	0.013455	4.33			26.31	16.65	1.10
Intermedio	77.385*	Max WS	UF_Tr200_D3_int	212.17	382.83	386.02	386.21	387.37	0.013123	5.15			41.20	19.39	1.13
Intermedio	77.385*	Max WS	UF_Tr200_D6_int	217.04	382.83	386.05	386.25	387.42	0.013082	5.18			41.89	19.48	1.13
Intermedio	77.308*	Max WS	UF_Tr200_D1_int	114.06	382.56	384.94	385.05	385.89	0.013299	4.32			26.41	16.62	1.09
Intermedio	77.308*	Max WS	UF_Tr200_D3_int	212.30	382.56	385.77	385.94	387.12	0.012784	5.14			41.33	19.06	1.11
Intermedio	77.308*	Max WS	UF_Tr200_D6_int	217.20	382.56	385.81	385.98	387.17	0.012750	5.17			42.02	19.15	1.11
Intermedio	77.231*	Max WS	UF_Tr200_D1_int	114.17	382.29	384.69	384.79	385.63	0.013072	4.29			26.59	16.65	1.08
Intermedio	77.231*	Max WS	UF_Tr200_D3_int	212.44	382.29	385.53	385.68	386.87	0.012400	5.12			41.51	18.72	1.10
Intermedio	77.231*	Max WS	UF_Tr200_D6_int	217.35	382.29	385.57	385.72	386.92	0.012378	5.15			42.20	18.80	1.10
Intermedio	77.154*	Max WS	UF_Tr200_D1_int	114.28	382.03	384.45	384.52	385.37	0.012555	4.25			26.91	16.55	1.06
Intermedio	77.154*	Max WS	UF_Tr200_D3_int	212.59	382.03	385.30	385.43	386.62	0.011994	5.09			41.73	18.35	1.08
Intermedio	77.154*	Max WS	UF_Tr200_D6_int	217.51	382.03	385.34	385.46	386.68	0.011989	5.13			42.40	18.43	1.08
Intermedio	77.077*	Max WS	UF_Tr200_D1_int	114.39	381.76	384.22	384.25	385.11	0.011694	4.18			27.35	16.20	1.03
Intermedio	77.077*	Max WS	UF_Tr200_D3_int	212.73	381.76	385.08	385.17	386.39	0.011595	5.07			41.96	17.97	1.06
Intermedio	77.077*	Max WS	UF_Tr200_D6_int	217.66	381.76	385.11	385.21	386.44	0.011607	5.11			42.62	18.05	1.06
Intermedio	77	Max WS	UF_Tr200_D1_int	114.50	381.49	384.01	383.98	384.86	0.010700	4.09			27.98	15.85	0.98
Intermedio	77	Max WS	UF_Tr200_D3_int	212.87	381.49	384.86	384.92	386.16	0.011218	5.05			42.19	17.57	1.04
Intermedio	77	Max WS	UF_Tr200_D6_int	217.81	381.49	384.90	384.96	386.22	0.011255	5.09			42.82	17.65	1.04
Intermedio	76.917*	Max WS	UF_Tr200_D1_int	114.62	381.32	383.81	383.78	384.66	0.010693	4.08			28.08	16.10	0.99
Intermedio	76.917*	Max WS	UF_Tr200_D3_int	213.01	381.32	384.65	384.72	385.93	0.011222	5.02			42.41	18.00	1.05
Intermedio	76.917*	Max WS	UF_Tr200_D6_int	217.97	381.32	384.68	384.76	385.99	0.011260	5.06			43.05	18.08	1.05
Intermedio	76.833*	Max WS	UF_Tr200_D1_int	114.72	381.16	383.60	383.59	384.45	0.010755	4.07			28.17	16.38	0.99
Intermedio	76.833*	Max WS	UF_Tr200_D3_int	213.16	381.16	384.43	384.51	385.71	0.011297	5.00			42.65	18.53	1.05
Intermedio	76.833*	Max WS	UF_Tr200_D6_int	218.12	381.16	384.47	384.55	385.76	0.011340	5.04			43.29	18.62	1.06
Intermedio	76.750*	Max WS	UF_Tr200_D1_int	114.84	381.00	383.40	383.39	384.24	0.010939	4.07			28.22	16.71	1.00
Intermedio	76.750*	Max WS	UF_Tr200_D3_int	213.30	381.00	384.22	384.32	385.47	0.011575	4.97			42.93	19.36	1.07
Intermedio	76.750*	Max WS	UF_Tr200_D6_int	218.27	381.00	384.25	384.36	385.53	0.011636	5.01			43.58	19.49	1.07
Intermedio	76.666*	Max WS	UF_Tr200_D1_int	114.96	380.83	383.18	383.19	384.03	0.011310	4.08			28.17	17.09	1.02
Intermedio	76.666*	Max WS	UF_Tr200_D3_int	213.44	380.83	383.99	384.11	385.23	0.011934	4.92			43.38	20.46	1.08
Intermedio	76.666*	Max WS	UF_Tr200_D6_int	218.43	380.83	384.02	384.15	385.28	0.011968	4.96			44.03	20.56	1.08
Intermedio	76.583	Max WS	UF_Tr200_D1_int	115.06	380.67	382.96	383.02	383.83	0.012125	4.12			27.92	17.64	1.05
Intermedio	76.583	Max WS	UF_Tr200_D3_int	213.58	380.67	383.76	383.87	384.96	0.011950	4.84	0.22		44.15	21.61	1.08
Intermedio	76.583	Max WS	UF_Tr200_D6_int	218.58	380.67	383.80	383.90	385.01	0.011920	4.88	0.27		44.84	21.69	1.08

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	76.500*	Max WS	UF_Tr200_D1_int	115.19	380.49	382.74	382.75	383.52	0.011208	3.90			29.54	19.37	1.01
Intermedio	76.500*	Max WS	UF_Tr200_D3_int	213.73	380.49	383.55	383.57	384.61	0.010540	4.54			47.03	23.17	1.02
Intermedio	76.500*	Max WS	UF_Tr200_D6_int	218.74	380.49	383.58	383.60	384.65	0.010541	4.58			47.78	23.26	1.02
Intermedio	76.416*	Max WS	UF_Tr200_D1_int	115.32	380.31	382.54	382.49	383.23	0.010116	3.69			31.23	20.73	0.96
Intermedio	76.416*	Max WS	UF_Tr200_D3_int	213.88	380.31	383.37	383.30	384.29	0.009206	4.26			50.16	24.75	0.96
Intermedio	76.416*	Max WS	UF_Tr200_D6_int	218.88	380.31	383.40	383.33	384.34	0.009207	4.29			50.96	24.87	0.96
Intermedio	76.333*	Max WS	UF_Tr200_D1_int	115.44	380.13	382.36		382.98	0.008932	3.48			33.15	21.94	0.90
Intermedio	76.333*	Max WS	UF_Tr200_D3_int	214.03	380.13	383.20		384.02	0.008014	3.99			53.60	26.40	0.89
Intermedio	76.333*	Max WS	UF_Tr200_D6_int	219.04	380.13	383.23		384.06	0.008021	4.02			54.46	26.54	0.90
Intermedio	76.250*	Max WS	UF_Tr200_D1_int	115.57	379.95	382.20		382.74	0.007679	3.26			35.41	23.08	0.84
Intermedio	76.250*	Max WS	UF_Tr200_D3_int	214.18	379.95	383.06		383.77	0.006954	3.73			57.39	28.16	0.83
Intermedio	76.250*	Max WS	UF_Tr200_D6_int	219.19	379.95	383.09		383.81	0.006967	3.76			58.30	28.33	0.84
Intermedio	76.167*	Max WS	UF_Tr200_D1_int	115.71	379.77	382.07		382.54	0.006420	3.03			38.16	24.26	0.77
Intermedio	76.167*	Max WS	UF_Tr200_D3_int	214.33	379.77	382.94		383.55	0.006004	3.48			61.61	30.09	0.78
Intermedio	76.167*	Max WS	UF_Tr200_D6_int	219.35	379.77	382.97		383.60	0.006027	3.50			62.59	30.31	0.78
Intermedio	76.083*	Max WS	UF_Tr200_D1_int	115.84	379.59	381.97		382.36	0.005110	2.77			41.75	25.49	0.69
Intermedio	76.083*	Max WS	UF_Tr200_D3_int	214.48	379.59	382.83		383.37	0.005188	3.23			66.33	32.35	0.72
Intermedio	76.083*	Max WS	UF_Tr200_D6_int	219.50	379.59	382.86		383.41	0.005225	3.26			67.37	32.66	0.72
Intermedio	76	Max WS	UF_Tr200_D1_int	115.97	379.42	381.92	381.33	382.23	0.003802	2.48			46.68	26.84	0.60
Intermedio	76	Max WS	UF_Tr200_D3_int	214.63	379.42	382.76	382.07	383.21	0.004270	2.97	0.16		72.63	39.97	0.60
Intermedio	76	Max WS	UF_Tr200_D6_int	219.65	379.42	382.80	382.09	383.25	0.004258	2.99	0.20		73.90	40.58	0.66
Intermedio	75.75			Inl Struct											
Intermedio	75.667	Max WS	UF_Tr200_D1_int	115.97	377.82	380.04		380.37	0.003632	2.53			45.91	23.98	0.58
Intermedio	75.667	Max WS	UF_Tr200_D3_int	214.62	377.82	380.98		381.47	0.003594	3.10			69.21	25.58	0.60
Intermedio	75.667	Max WS	UF_Tr200_D6_int	219.66	377.82	381.02		381.52	0.003598	3.13			70.27	25.65	0.60
Intermedio	75.333	Max WS	UF_Tr200_D1_int	116.03	377.69	380.05	379.36	380.33	0.003038	2.36			49.24	25.23	0.54
Intermedio	75.333	Max WS	UF_Tr200_D3_int	214.69	377.69	380.99	380.05	381.42	0.003267	2.90			74.11	28.85	0.58
Intermedio	75.333	Max WS	UF_Tr200_D6_int	219.72	377.69	381.04	380.07	381.47	0.003269	2.92			75.36	29.06	0.58
Intermedio	75.25			Inl Struct											
Intermedio	75	Max WS	UF_Tr200_D1_int	116.02	376.52	378.14		378.64	0.008036	3.13			37.03	24.22	0.81
Intermedio	75	Max WS	UF_Tr200_D3_int	214.68	376.52	378.77		379.61	0.010031	4.05			53.02	27.39	0.93
Intermedio	75	Max WS	UF_Tr200_D6_int	219.72	376.52	378.80		379.65	0.010062	4.08			53.82	27.53	0.93
Intermedio	74	Max WS	UF_Tr200_D1_int	116.13	376.45	378.02		378.48	0.007498	3.02			38.47	26.46	0.80
Intermedio	74	Max WS	UF_Tr200_D3_int	214.81	376.45	378.63		379.41	0.006766	3.91			54.93	28.30	0.90
Intermedio	74	Max WS	UF_Tr200_D6_int	219.84	376.45	378.66		379.45	0.006776	3.94			55.75	28.37	0.90
Intermedio	73.500*	Max WS	UF_Tr200_D1_int	116.20	376.02	377.81	378.24	379.20	0.034538	5.22			22.26	22.45	1.67
Intermedio	73.500*	Max WS	UF_Tr200_D3_int	214.89	376.02	378.46	378.90	380.06	0.023742	5.59			38.45	26.16	1.47
Intermedio	73.500*	Max WS	UF_Tr200_D6_int	219.93	376.02	378.49	378.93	380.09	0.023316	5.60			39.25	26.20	1.46
Intermedio	73	Max WS	UF_Tr200_D1_int	116.27	375.59	377.56	377.71	378.48	0.015012	4.23			27.50	19.88	1.15
Intermedio	73	Max WS	UF_Tr200_D3_int	214.97	375.59	378.27	378.51	379.58	0.014274	5.07			42.39	22.14	1.17
Intermedio	73	Max WS	UF_Tr200_D6_int	220.01	375.59	378.31	378.54	379.63	0.014230	5.10			43.11	22.24	1.17
Intermedio	72	Max WS	UF_Tr200_D1_int	116.39	375.31	377.33	377.42	378.15	0.013716	4.03			28.89	20.95	1.10
Intermedio	72	Max WS	UF_Tr200_D3_int	215.10	375.31	378.05	378.18	379.24	0.012491	4.83			44.57	22.47	1.09
Intermedio	72	Max WS	UF_Tr200_D6_int	220.14	375.31	378.08	378.22	379.28	0.012449	4.86			45.31	22.54	1.09
Intermedio	71.977*	Max WS	UF_Tr200_D1_int	116.52	375.04	377.07	377.15	377.90	0.013528	4.05			28.74	20.41	1.09
Intermedio	71.977*	Max WS	UF_Tr200_D3_int	215.26	375.04	377.81	377.93	379.00	0.012270	4.84			44.48	22.01	1.09
Intermedio	71.977*	Max WS	UF_Tr200_D6_int	220.30	375.04	377.84	377.97	379.05	0.012238	4.87			45.21	22.08	1.09
Intermedio	71.955*	Max WS	UF_Tr200_D1_int	116.65	374.77	376.81	376.90	377.65	0.013236	4.07			28.65	19.86	1.08
Intermedio	71.955*	Max WS	UF_Tr200_D3_int	215.40	374.77	377.57	377.71	378.77	0.012341	4.85			44.44	22.11	1.09
Intermedio	71.955*	Max WS	UF_Tr200_D6_int	220.45	374.77	377.60	377.76	378.81	0.012343	4.88			45.17	22.23	1.09
Intermedio	71.932*	Max WS	UF_Tr200_D1_int	116.79	374.50	376.56	376.63	377.40	0.012825	4.07			28.68	19.39	1.07
Intermedio	71.932*	Max WS	UF_Tr200_D3_int	215.56	374.50	377.32	377.49	378.51	0.012664	4.83			44.63	22.92	1.11
Intermedio	71.932*	Max WS	UF_Tr200_D6_int	220.61	374.50	377.36	377.54	378.56	0.012713	4.86			45.38	23.15	1.11
Intermedio	71.909*	Max WS	UF_Tr200_D1_int	116.92	374.23	376.31	376.37	377.15	0.012286	4.05			28.88	19.06	1.05
Intermedio	71.909*	Max WS	UF_Tr200_D3_int	215.71	374.23	377.08	377.23	378.24	0.012643	4.77			45.18	23.76	1.11
Intermedio	71.909*	Max WS	UF_Tr200_D6_int	220.77	374.23	377.11	377.27	378.29	0.012638	4.80			45.96	23.94	1.11
Intermedio	71.886*	Max WS	UF_Tr200_D1_int	117.07	373.96	376.08	376.12	376.89	0.012019	3.99			29.37	19.61	1.04
Intermedio	71.886*	Max WS	UF_Tr200_D3_int	215.87	373.96	376.84	376.95	377.96	0.011784	4.68			46.17	23.80	1.07
Intermedio	71.886*	Max WS	UF_Tr200_D6_int	220.93	373.96	376.87	376.98	378.00	0.011738	4.70			46.96	23.90	1.07
Intermedio	71.864*	Max WS	UF_Tr200_D1_int	117.21	373.69	375.85	375.87	376.61	0.011324	3.86			30.39	20.47	1.01
Intermedio	71.864*	Max WS	UF_Tr200_D3_int	216.03	373.69	376.62	376.66	377.67	0.010584	4.53			47.64	23.69	1.02
Intermedio	71.864*	Max WS	UF_Tr200_D6_int	221.08	373.69	376.66	376.70	377.72	0.010559	4.56			48.45	23.82	1.02
Intermedio	71.841	Max WS	UF_Tr200_D1_int	117.37	373.42	375.65		376.32	0.009669	3.65			32.19	20.91	0.94
Intermedio	71.841	Max WS	UF_Tr200_D3_int	216.18	373.42	376.43	376.37	377.39	0.009199	4.34			49.77	23.65	0.96
Intermedio	71.841	Max WS	UF_Tr200_D6_int	221.24	373.42	376.47	376.40	377.44	0.009194	4.37			50.58	23.77	0.96
Intermedio	71.818*	Max WS	UF_Tr200_D1_int	117.52	373.22	375.46		376.13	0.009506	3.63			32.40	20.97	0.93
Intermedio	71.818*	Max WS	UF_Tr200_D3_int	216.34	373.22	376.26	376.17	377.20	0.008968	4.31			50.25	23.77	0.95
Intermedio	71.818*	Max WS	UF_Tr200_D6_int	221.39	373.22	376.29	376.20	377.25	0.008968	4.34			51.06	23.89	0.95
Intermedio	71.796*	Max WS	UF_Tr200_D1_int	117.67	373.02	375.28		375.94	0.009245	3.59			32.75	21.09	0.92
Intermedio	71.796*	Max WS	UF_Tr200_D3_int	216.50	373.02	376.08		377.01	0.008650	4.25			50.91	23.91	0.93
Intermedio	71.796*	Max WS	UF_Tr200_D6_int	221.55	373.02	376.12		377.05	0.008653	4.28			51.72	24.02	0.93
Intermedio	71.773*	Max WS	UF_Tr200_D1_int	117.83	372.82	375.10		375.74	0.008835	3.54			33.29	21.20	0.90
Intermedio	71.773*	Max WS	UF_Tr200_D3_int	216.65	372.82	375.92		376.81	0.008237	4.18			51.82	24.08	0.91
Intermedio	71.773*	Max WS	UF_Tr200_D6_int	221.70	372.82	375.95		376.86	0.008239	4.21			52.65	24.18	0.91
Intermedio	71.750*	Max WS	UF_Tr200_D1_int	117.98	372.62	374.94		375.55	0.008296	3.46			34.10	21.43	0.88
Intermedio	71.750*	Max WS	UF_Tr200_D3_int	216.81	372.62	375.77		376.62	0.007713	4.09			53.05	24.26	0.88
Intermedio	71.750*	Max WS	UF_Tr200_D6_int	221.86	372.62	375.80		376.66	0.007717	4.12			53.88	24.35	0.88
Intermedio	71.727*	Max WS	UF_Tr200_D1_int	118.12	372.42	374.78		375.36	0.007577	3.35			35.25	21.72	0.84
Intermedio	71.727*	Max WS	UF_Tr200_D3_int	216.96	372.42	375.62		376.43	0.007094	3.97			54.63	24.46	0.85
Intermedio	71.727*	Max WS	UF_Tr200_D6_int	222.02	372.42	375.66		376.47	0.007100	4.00			55.47	24.55	0.85

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	71.705*	Max WS	UF_Tr200_D1_int		118.27	372.22	374.65	375.17	0.006718	3.21			36.84	22.09	0.79
Intermedio	71.705*	Max WS	UF_Tr200_D3_int		217.13	372.22	375.49	376.24	0.006411	3.84			56.61	24.71	0.81
Intermedio	71.705*	Max WS	UF_Tr200_D6_int		222.18	372.22	375.52	376.29	0.006428	3.87			57.46	24.81	0.81
Intermedio	71.682*	Max WS	UF_Tr200_D1_int		118.42	372.02	374.53	375.00	0.005716	3.04			38.97	22.41	0.74
Intermedio	71.682*	Max WS	UF_Tr200_D3_int		217.27	372.02	375.37	376.06	0.005696	3.68			59.03	25.03	0.77
Intermedio	71.682*	Max WS	UF_Tr200_D6_int		222.34	372.02	375.41	376.11	0.005722	3.71			59.87	25.12	0.77
Intermedio	71.659	Max WS	UF_Tr200_D1_int		118.57	371.82	374.45	374.85	0.004585	2.82			42.05	22.84	0.66
Intermedio	71.659	Max WS	UF_Tr200_D3_int		217.44	371.82	375.28	375.90	0.004913	3.50			62.21	25.44	0.71
Intermedio	71.659	Max WS	UF_Tr200_D6_int		222.49	371.82	375.31	375.95	0.004956	3.53			63.02	25.53	0.72
Intermedio	71.636*	Max WS	UF_Tr200_D1_int		118.75	371.63	374.37	374.76	0.004437	2.79			42.50	22.87	0.65
Intermedio	71.636*	Max WS	UF_Tr200_D3_int		217.58	371.63	375.19	375.81	0.004857	3.48			62.57	25.62	0.71
Intermedio	71.636*	Max WS	UF_Tr200_D6_int		222.64	371.63	375.22	375.85	0.004905	3.51			63.36	25.71	0.71
Intermedio	71.614*	Max WS	UF_Tr200_D1_int		118.91	371.44	374.29	374.68	0.004205	2.74			43.35	23.02	0.64
Intermedio	71.614*	Max WS	UF_Tr200_D3_int		217.74	371.44	375.11	375.71	0.004754	3.44			63.28	25.93	0.70
Intermedio	71.614*	Max WS	UF_Tr200_D6_int		222.79	371.44	375.14	375.76	0.004810	3.48			64.05	26.04	0.71
Intermedio	71.591*	Max WS	UF_Tr200_D1_int		119.07	371.24	374.23	374.60	0.003887	2.67			44.64	23.24	0.61
Intermedio	71.591*	Max WS	UF_Tr200_D3_int		217.88	371.24	375.03	375.61	0.004597	3.38			64.44	26.43	0.69
Intermedio	71.591*	Max WS	UF_Tr200_D6_int		222.93	371.24	375.06	375.66	0.004663	3.42			65.19	26.57	0.70
Intermedio	71.568*	Max WS	UF_Tr200_D1_int		119.24	371.05	374.18	374.52	0.003502	2.57			46.44	23.57	0.58
Intermedio	71.568*	Max WS	UF_Tr200_D3_int		218.04	371.05	374.96	375.52	0.004307	3.30	0.20		66.41	30.23	0.67
Intermedio	71.568*	Max WS	UF_Tr200_D6_int		223.09	371.05	374.99	375.56	0.004361	3.34	0.24		67.21	30.28	0.68
Intermedio	71.545*	Max WS	UF_Tr200_D1_int		119.41	370.86	374.14	374.45	0.003081	2.45			48.79	24.01	0.55
Intermedio	71.545*	Max WS	UF_Tr200_D3_int		217.41	370.86	374.90	375.42	0.003804	3.17	0.15	0.44	69.39	30.23	0.63
Intermedio	71.545*	Max WS	UF_Tr200_D6_int		222.21	370.86	374.93	375.45	0.003839	3.21	0.17	0.46	70.18	30.36	0.64
Intermedio	71.523*	Max WS	UF_Tr200_D1_int		119.58	370.67	374.12	374.39	0.002675	2.31			51.73	24.76	0.51
Intermedio	71.523*	Max WS	UF_Tr200_D3_int		212.78	370.67	374.88	375.32	0.003094	2.96	0.25	0.55	73.80	33.39	0.57
Intermedio	71.523*	Max WS	UF_Tr200_D6_int		216.98	370.67	374.90	375.36	0.003110	2.98	0.28	0.56	74.71	33.39	0.58
Intermedio	71.5	Max WS	UF_Tr200_D1_int		119.73	370.48	374.10	372.96	0.002288	2.16		0.15	55.51	27.90	0.47
Intermedio	71.5	Max WS	UF_Tr200_D3_int		201.17	370.48	374.92	373.70	0.002162	2.59	0.40	0.56	80.72	32.60	0.48
Intermedio	71.5	Max WS	UF_Tr200_D6_int		204.64	370.48	374.95	373.74	0.002159	2.61	0.42	0.57	81.72	32.60	0.48
Intermedio	71.4				Ini Struct										
Intermedio	71.3	Max WS	UF_Tr200_D1_int		119.73	368.66	373.99	374.03	0.000154	0.87	0.02	0.15	140.63	35.07	0.13
Intermedio	71.3	Max WS	UF_Tr200_D3_int		201.17	368.66	374.78	374.86	0.000250	1.23	0.18	0.28	170.39	38.05	0.17
Intermedio	71.3	Max WS	UF_Tr200_D6_int		204.63	368.66	374.81	374.89	0.000253	1.25	0.19	0.29	171.50	38.05	0.17
Intermedio	71.2	Max WS	UF_Tr200_D1_int		119.85	368.64	373.99	370.16	0.000130	0.84	0.14	0.17	148.67	36.54	0.12
Intermedio	71.2	Max WS	UF_Tr200_D3_int		201.28	368.64	374.78	370.70	0.000217	1.20	0.25	0.29	177.48	36.54	0.16
Intermedio	71.2	Max WS	UF_Tr200_D6_int		204.74	368.64	374.81	370.71	0.000220	1.21	0.25	0.30	178.55	36.54	0.16
Intermedio	71.1				Ini Struct										
Intermedio	71	Max WS	UF_Tr200_D1_int		119.84	366.28	368.75	369.26	0.007090	3.15			38.03	23.49	0.79
Intermedio	71	Max WS	UF_Tr200_D3_int		201.27	366.28	369.44	370.14	0.006571	3.70			54.33	24.04	0.79
Intermedio	71	Max WS	UF_Tr200_D6_int		204.74	366.28	369.47	370.17	0.006539	3.72			55.02	24.06	0.79
Intermedio	70.99				Lat Struct										
Intermedio	70.97				Lat Struct										
Intermedio	70.964*	Max WS	UF_Tr200_D1_int		120.00	366.11	368.62	369.15	0.007334	3.21			37.40	23.30	0.81
Intermedio	70.964*	Max WS	UF_Tr200_D3_int		203.94	366.11	369.32	370.05	0.006817	3.79			53.81	23.90	0.81
Intermedio	70.964*	Max WS	UF_Tr200_D6_int		207.63	366.11	369.35	370.09	0.006794	3.81			54.51	23.93	0.81
Intermedio	70.929*	Max WS	UF_Tr200_D1_int		120.17	365.93	368.49	369.03	0.007653	3.28			36.69	23.09	0.83
Intermedio	70.929*	Max WS	UF_Tr200_D3_int		205.14	365.93	369.19	369.95	0.007012	3.85			53.22	23.75	0.82
Intermedio	70.929*	Max WS	UF_Tr200_D6_int		208.97	365.93	369.22	369.99	0.006989	3.88			53.92	23.78	0.82
Intermedio	70.893*	Max WS	UF_Tr200_D1_int		120.34	365.76	368.34	368.92	0.008093	3.36			35.84	22.85	0.86
Intermedio	70.893*	Max WS	UF_Tr200_D3_int		206.92	365.76	369.06	369.85	0.007299	3.94			52.54	23.60	0.84
Intermedio	70.893*	Max WS	UF_Tr200_D6_int		210.88	365.76	369.09	369.89	0.007278	3.96			53.25	23.63	0.84
Intermedio	70.858*	Max WS	UF_Tr200_D1_int		120.50	365.59	368.20	368.80	0.008505	3.45			34.90	22.26	0.88
Intermedio	70.858*	Max WS	UF_Tr200_D3_int		208.42	365.59	368.93	369.76	0.007645	4.03			51.74	23.44	0.87
Intermedio	70.858*	Max WS	UF_Tr200_D6_int		212.49	365.59	368.96	369.80	0.007623	4.05			52.45	23.47	0.87
Intermedio	70.822*	Max WS	UF_Tr200_D1_int		120.67	365.42	368.04	368.68	0.008759	3.55			34.00	21.28	0.90
Intermedio	70.822*	Max WS	UF_Tr200_D3_int		209.46	365.42	368.79	369.65	0.008052	4.12			50.80	23.25	0.89
Intermedio	70.822*	Max WS	UF_Tr200_D6_int		213.57	365.42	368.82	369.69	0.008025	4.15			51.51	23.30	0.89
Intermedio	70.787*	Max WS	UF_Tr200_D1_int		120.84	365.24	367.88	368.56	0.009214	3.66			33.05	20.56	0.92
Intermedio	70.787*	Max WS	UF_Tr200_D3_int		209.60	365.24	368.64	369.54	0.008504	4.22			49.71	23.04	0.92
Intermedio	70.787*	Max WS	UF_Tr200_D6_int		213.72	365.24	368.67	369.58	0.008466	4.24			50.43	23.09	0.92
Intermedio	70.751*	Max WS	UF_Tr200_D1_int		121.01	365.07	367.71	368.43	0.009559	3.77			32.13	19.58	0.94
Intermedio	70.751*	Max WS	UF_Tr200_D3_int		209.75	365.07	368.48	368.39	0.009106	4.33			48.44	22.78	0.95
Intermedio	70.751*	Max WS	UF_Tr200_D6_int		213.86	365.07	368.51	368.42	0.009051	4.35			49.17	22.84	0.95
Intermedio	70.716*	Max WS	UF_Tr200_D1_int		121.18	364.90	367.54	367.49	0.010015	3.88			31.24	18.79	0.96
Intermedio	70.716*	Max WS	UF_Tr200_D3_int		209.90	364.90	368.31	368.28	0.009848	4.47			46.97	22.34	0.98
Intermedio	70.716*	Max WS	UF_Tr200_D6_int		214.01	364.90	368.34	368.31	0.009791	4.49			47.70	22.45	0.98
Intermedio	70.680	Max WS	UF_Tr200_D1_int		121.35	364.72	367.35	367.33	0.010584	4.00			30.32	18.05	0.99
Intermedio	70.680	Max WS	UF_Tr200_D3_int		210.05	364.72	368.13	368.14	0.010211	4.62			45.44	20.98	1.00
Intermedio	70.680	Max WS	UF_Tr200_D6_int		214.15	364.72	368.16	368.18	0.010225	4.64			46.14	21.18	1.00
Intermedio	70.640*	Max WS	UF_Tr200_D1_int		121.53	364.51	367.14	367.14	0.010725	4.02			30.24	18.09	0.99
Intermedio	70.640*	Max WS	UF_Tr200_D3_int		210.21	364.51	367.93	367.93	0.010351	4.60			45.71	21.58	1.01
Intermedio	70.640*	Max WS	UF_Tr200_D6_int		214.31	364.51	367.96	367.99	0.010345	4.62			46.42	21.78	1.01
Intermedio	70.600*	Max WS	UF_Tr200_D1_int		121.72	364.29	366.93	366.94	0.010886	4.04			30.10	18.04	1.00
Intermedio	70.600*	Max WS	UF_Tr200_D3_int		210.37	364.29	367.73	367.76	0.010530	4.58			45.90	22.15	1.02
Intermedio	70.600*	Max WS	UF_Tr200_D6_int		214.47	364.29	367.76	367.79	0.010519	4.60			46.64	22.38	1.02
Intermedio	70.560*	Max WS	UF_Tr200_D1_int		121.91	364.07	366.72	366.73	0.011098	4.08			29.87	17.91	1.01
Intermedio	70.560*	Max WS	UF_Tr200_D3_int		210.53	364.07	367.52	367.56	0.010642	4.57			46.03	22.51	1.02
Intermedio	70.560*	Max WS	UF_Tr200_D6_int		214.62	364.07	367.56	367.59	0.010582	4.59			46.78	22.67	1.02

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	70.520*	Max WS	UF_Tr200_D1_int	122.10	363.85	366.50	366.53	367.37	0.011322	4.12			29.62	17.74	1.02
Intermedio	70.520*	Max WS	UF_Tr200_D3_int	210.72	363.85	367.32	367.35	368.38	0.010736	4.58			46.03	22.66	1.03
Intermedio	70.520*	Max WS	UF_Tr200_D6_int	214.85	363.85	367.35	367.39	368.42	0.010668	4.59			46.81	22.83	1.02
Intermedio	70.480*	Max WS	UF_Tr200_D1_int	122.29	363.63	366.28	366.32	367.17	0.011517	4.17			29.32	17.45	1.03
Intermedio	70.480*	Max WS	UF_Tr200_D3_int	211.44	363.63	367.11	367.17	368.19	0.011011	4.61			45.85	22.75	1.04
Intermedio	70.480*	Max WS	UF_Tr200_D6_int	215.81	363.63	367.14	367.20	368.23	0.010944	4.62			46.67	22.96	1.04
Intermedio	70.440*	Max WS	UF_Tr200_D1_int	122.48	363.42	366.06	366.12	366.97	0.011945	4.23			28.94	17.30	1.05
Intermedio	70.440*	Max WS	UF_Tr200_D3_int	214.29	363.42	366.89	367.00	368.02	0.011710	4.72			45.39	22.75	1.07
Intermedio	70.440*	Max WS	UF_Tr200_D6_int	218.97	363.42	366.92	367.03	368.07	0.011659	4.74			46.24	22.99	1.07
Intermedio	70.400*	Max WS	UF_Tr200_D1_int	122.68	363.20	365.82	365.91	366.77	0.012601	4.32			28.39	17.12	1.07
Intermedio	70.400*	Max WS	UF_Tr200_D3_int	215.96	363.20	366.65	366.83	367.85	0.012569	4.85			44.50	22.51	1.10
Intermedio	70.400*	Max WS	UF_Tr200_D6_int	220.79	363.20	366.69	366.87	367.90	0.012559	4.87			45.36	22.85	1.10
Intermedio	70.360	Max WS	UF_Tr200_D1_int	122.88	362.98	365.56	365.70	366.58	0.013674	4.46			27.56	16.83	1.11
Intermedio	70.360	Max WS	UF_Tr200_D3_int	216.45	362.98	366.40	366.68	367.68	0.013367	5.01			43.17	21.70	1.14
Intermedio	70.360	Max WS	UF_Tr200_D6_int	221.35	362.98	366.44	366.73	367.73	0.013546	5.03			43.99	22.23	1.14
Intermedio	70.320*	Max WS	UF_Tr200_D1_int	123.08	362.67	365.30	365.43	366.32	0.013528	4.48			27.50	16.50	1.11
Intermedio	70.320*	Max WS	UF_Tr200_D3_int	216.63	362.67	366.13	366.38	367.41	0.014382	5.01			43.26	23.04	1.17
Intermedio	70.320*	Max WS	UF_Tr200_D6_int	221.57	362.67	366.17	366.41	367.46	0.014317	5.02			44.09	23.28	1.17
Intermedio	70.280*	Max WS	UF_Tr200_D1_int	123.28	362.35	365.04	365.16	366.06	0.013268	4.47			27.57	16.25	1.10
Intermedio	70.280*	Max WS	UF_Tr200_D3_int	216.78	362.35	365.86	366.08	367.13	0.013935	4.99			43.46	22.58	1.15
Intermedio	70.280*	Max WS	UF_Tr200_D6_int	221.73	362.35	365.90	366.11	367.17	0.013841	5.01			44.30	22.79	1.15
Intermedio	70.240*	Max WS	UF_Tr200_D1_int	123.49	362.04	364.78	364.97	365.79	0.013044	4.45			27.77	16.22	1.09
Intermedio	70.240*	Max WS	UF_Tr200_D3_int	216.94	362.04	365.59	365.78	366.84	0.013294	4.94			43.90	22.14	1.12
Intermedio	70.240*	Max WS	UF_Tr200_D6_int	221.88	362.04	365.63	365.81	366.89	0.013169	4.96			44.78	22.33	1.12
Intermedio	70.200*	Max WS	UF_Tr200_D1_int	123.69	361.73	364.52	364.67	365.51	0.015288	4.41			28.08	18.84	1.15
Intermedio	70.200*	Max WS	UF_Tr200_D3_int	217.10	361.73	365.35	365.46	366.55	0.012313	4.85			44.75	21.65	1.08
Intermedio	70.200*	Max WS	UF_Tr200_D6_int	222.04	361.73	365.39	365.50	366.59	0.012175	4.86			45.65	21.82	1.07
Intermedio	70.160*	Max WS	UF_Tr200_D1_int	123.89	361.41	364.25	364.36	365.19	0.013850	4.31			28.77	18.22	1.09
Intermedio	70.160*	Max WS	UF_Tr200_D3_int	217.26	361.41	365.12	365.15	366.25	0.011078	4.72			46.05	21.15	1.02
Intermedio	70.160*	Max WS	UF_Tr200_D6_int	222.19	361.41	365.16	365.19	366.30	0.010938	4.73			47.00	21.31	1.02
Intermedio	70.120*	Max WS	UF_Tr200_D1_int	124.10	361.10	363.99	364.03	364.87	0.012741	4.16			29.83	18.44	1.04
Intermedio	70.120*	Max WS	UF_Tr200_D3_int	217.42	361.10	364.92	364.83	365.97	0.009698	4.54			47.86	20.66	0.95
Intermedio	70.120*	Max WS	UF_Tr200_D6_int	222.34	361.10	364.96	364.87	366.02	0.009576	4.55			48.83	20.80	0.95
Intermedio	70.080*	Max WS	UF_Tr200_D1_int	124.31	360.79	363.76	363.69	364.55	0.010564	3.94			31.55	17.97	0.95
Intermedio	70.080*	Max WS	UF_Tr200_D3_int	217.58	360.79	364.74		365.70	0.008310	4.34			50.14	20.17	0.88
Intermedio	70.080*	Max WS	UF_Tr200_D6_int	222.51	360.79	364.79		365.76	0.008216	4.35			51.13	20.30	0.88
Intermedio	70.040*	Max WS	UF_Tr200_D1_int	124.51	360.47	363.58		364.26	0.008323	3.66			33.98	17.52	0.84
Intermedio	70.040*	Max WS	UF_Tr200_D3_int	218.78	360.47	364.59		365.47	0.007101	4.14			52.82	19.68	0.81
Intermedio	70.040*	Max WS	UF_Tr200_D6_int	223.90	360.47	364.64		365.53	0.007013	4.16	0.11		53.83	20.18	0.80
Intermedio	70	Max WS	UF_Tr200_D1_int	124.72	360.16	363.44	362.99	364.04	0.005714	3.43			36.40	17.26	0.72
Intermedio	70	Max WS	UF_Tr200_D3_int	219.33	360.16	364.48	363.85	365.36	0.005120	4.16			52.79	20.70	0.73
Intermedio	70	Max WS	UF_Tr200_D6_int	224.52	360.16	364.53	363.89	365.42	0.005098	4.19			53.60	21.33	0.73
Intermedio	69.75		Bridge												
Intermedio	69.5	Max WS	UF_Tr200_D1_int	124.72	360.16	363.02	362.99	363.92	0.011219	4.19			29.73	16.70	0.98
Intermedio	69.5	Max WS	UF_Tr200_D3_int	219.33	360.16	363.74	363.84	365.19	0.011819	5.34			41.07	17.80	1.06
Intermedio	69.5	Max WS	UF_Tr200_D6_int	224.52	360.16	363.77	363.89	365.26	0.011847	5.39			41.62	17.87	1.06
Intermedio	69.487*	Max WS	UF_Tr200_D1_int	124.93	359.95	362.78	362.82	363.71	0.012770	4.25			29.39	17.18	1.04
Intermedio	69.487*	Max WS	UF_Tr200_D3_int	219.50	359.95	363.48	363.66	364.89	0.013825	5.25			41.79	18.46	1.11
Intermedio	69.487*	Max WS	UF_Tr200_D6_int	224.68	359.95	363.52	363.70	364.95	0.013872	5.30			42.41	18.53	1.12
Intermedio	69.473*	Max WS	UF_Tr200_D1_int	125.15	359.73	362.52	362.61	363.49	0.013861	4.36			28.73	17.78	1.09
Intermedio	69.473*	Max WS	UF_Tr200_D3_int	219.66	359.73	363.20	363.44	364.65	0.014500	5.32			41.26	19.09	1.16
Intermedio	69.473*	Max WS	UF_Tr200_D6_int	224.84	359.73	363.24	363.48	364.71	0.014538	5.37			41.89	19.17	1.16
Intermedio	69.460*	Max WS	UF_Tr200_D1_int	125.36	359.52	362.24	362.39	363.25	0.015057	4.45			28.19	18.39	1.15
Intermedio	69.460*	Max WS	UF_Tr200_D3_int	219.82	359.52	362.91	363.19	364.38	0.015109	5.37			40.94	19.73	1.19
Intermedio	69.460*	Max WS	UF_Tr200_D6_int	224.99	359.52	362.94	363.22	364.44	0.015130	5.41			41.59	19.82	1.19
Intermedio	69.446*	Max WS	UF_Tr200_D1_int	125.57	359.31	361.94	362.13	362.98	0.015725	4.52			27.76	18.48	1.18
Intermedio	69.446*	Max WS	UF_Tr200_D3_int	219.98	359.31	362.61	362.90	364.08	0.015536	5.38			40.87	20.35	1.21
Intermedio	69.446*	Max WS	UF_Tr200_D6_int	225.15	359.31	362.64	362.94	364.14	0.015534	5.42			41.53	20.45	1.21
Intermedio	69.433*	Max WS	UF_Tr200_D1_int	125.79	359.10	361.62	361.83	362.69	0.016631	4.58			27.49	19.04	1.22
Intermedio	69.433*	Max WS	UF_Tr200_D3_int	220.14	359.10	362.30	362.60	363.76	0.015576	5.35			41.15	20.97	1.22
Intermedio	69.433*	Max WS	UF_Tr200_D6_int	225.31	359.10	362.33	362.64	363.81	0.015543	5.38			41.85	21.08	1.22
Intermedio	69.419*	Max WS	UF_Tr200_D1_int	126.01	358.88	361.30	361.51	362.35	0.015950	4.54			27.73	18.81	1.20
Intermedio	69.419*	Max WS	UF_Tr200_D3_int	220.30	358.88	362.00	362.27	363.40	0.015102	5.25			41.96	21.69	1.21
Intermedio	69.419*	Max WS	UF_Tr200_D6_int	225.47	358.88	362.03	362.31	363.45	0.015029	5.28			42.70	21.78	1.20
Intermedio	69.406*	Max WS	UF_Tr200_D1_int	126.23	358.67	361.00	361.15	361.98	0.014570	4.38			28.80	19.29	1.15
Intermedio	69.406*	Max WS	UF_Tr200_D3_int	220.47	358.67	361.71	361.92	363.01	0.013697	5.05			43.66	22.33	1.15
Intermedio	69.406*	Max WS	UF_Tr200_D6_int	225.62	358.67	361.75	361.96	363.06	0.013653	5.08			44.45	22.50	1.15
Intermedio	69.392	Max WS	UF_Tr200_D1_int	126.44	358.46	360.74	360.79	361.58	0.011977	4.07			31.09	20.07	1.04
Intermedio	69.392	Max WS	UF_Tr200_D3_int	220.63	358.46	361.46	361.56	362.60	0.011407	4.72			46.71	23.02	1.06
Intermedio	69.392	Max WS	UF_Tr200_D6_int	225.79	358.46	361.50	361.59	362.65	0.011369	4.75			47.55	23.18	1.06
Intermedio	69.378*	Max WS	UF_Tr200_D1_int	126.66	358.20	360.50	360.56	361.36	0.012107	4.10			30.90	19.90	1.05
Intermedio	69.378*	Max WS	UF_Tr200_D3_int	221.50	358.20	361.24	361.34	362.39	0.011473	4.75			46.67	22.97	1.06
Intermedio	69.378*	Max WS	UF_Tr200_D6_int	226.80	358.20	361.27	361.38	362.44	0.011446	4.77			47.53	23.16	1.06
Intermedio	69.365*	Max WS	UF_Tr200_D1_int	126.89	357.94	360.26	360.32	361.13	0.012213	4.13			30.73	19.72	1.06
Intermedio	69.365*	Max WS	UF_Tr200_D3_int	221.75	357.94	361.01	361.12	362.16	0.011446	4.75			46.71	22.96	1.06
Intermedio	69.365*	Max WS	UF_Tr200_D6_int	227.14	357.94	361.05	361.15	362.21	0.011434	4.77			47.57	23.17	1.06
Intermedio	69.351*	Max WS	UF_Tr200_D1_int	127.11	357.68	360.02	360.09	360.90	0.012275	4.15			30.60	19.55	1.06
Intermedio	69.351*	Max WS	UF_Tr200_D3_int	222.13	357.68	360.79	360.89	361.93	0.011349	4.74			46.86	22.96	1.06
Intermedio	69.351														

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	69.338*	Max WS	UF_Tr200_D6_int	228.06	357.43	360.60	360.69	361.75	0.011136	4.75			48.03	23.13	1.05
Intermedio	69.324*	Max WS	UF_Tr200_D1_int	127.55	357.17	359.53	359.60	360.42	0.012195	4.18			30.54	19.23	1.06
Intermedio	69.324*	Max WS	UF_Tr200_D3_int	223.15	357.17	360.35	360.41	361.46	0.010823	4.68			47.65	22.92	1.04
Intermedio	69.324*	Max WS	UF_Tr200_D6_int	228.83	357.17	360.38	360.45	361.52	0.010833	4.72			48.52	23.10	1.04
Intermedio	69.311*	Max WS	UF_Tr200_D1_int	127.78	356.91	359.29	359.35	360.18	0.011924	4.16			30.71	19.08	1.05
Intermedio	69.311*	Max WS	UF_Tr200_D3_int	223.55	356.91	360.14	360.17	361.22	0.010333	4.62			48.40	22.92	1.01
Intermedio	69.311*	Max WS	UF_Tr200_D6_int	229.26	356.91	360.17	360.21	361.28	0.010359	4.65			49.25	23.09	1.02
Intermedio	69.297	Max WS	UF_Tr200_D1_int	128.01	356.65	359.06	359.10	359.93	0.011422	4.12			31.10	18.97	1.03
Intermedio	69.297	Max WS	UF_Tr200_D3_int	223.71	356.65	359.94	359.91	360.98	0.009661	4.52			49.47	22.93	0.98
Intermedio	69.297	Max WS	UF_Tr200_D6_int	229.42	356.65	359.98	359.95	361.04	0.009700	4.56			50.31	23.10	0.99
Intermedio	69.284*	Max WS	UF_Tr200_D1_int	128.23	356.31	358.84	358.86	359.73	0.011077	4.17			30.76	17.80	1.01
Intermedio	69.284*	Max WS	UF_Tr200_D3_int	223.88	356.31	359.75	359.72	360.82	0.009693	4.58			48.88	22.11	0.98
Intermedio	69.284*	Max WS	UF_Tr200_D6_int	229.58	356.31	359.78	359.76	360.87	0.009757	4.62	0.03		49.67	22.29	0.99
Intermedio	69.270*	Max WS	UF_Tr200_D1_int	128.46	355.98	358.62	358.61	359.53	0.010751	4.22			30.44	16.67	1.00
Intermedio	69.270*	Max WS	UF_Tr200_D3_int	224.04	355.98	359.56	359.54	360.66	0.009827	4.66	0.13		48.10	21.39	0.99
Intermedio	69.270*	Max WS	UF_Tr200_D6_int	229.74	355.98	359.59	359.58	360.72	0.009838	4.70	0.07	0.19	48.87	21.66	0.99
Intermedio	69.257*	Max WS	UF_Tr200_D1_int	128.69	355.64	358.41	358.38	359.35	0.010523	4.28			30.09	15.61	0.98
Intermedio	69.257*	Max WS	UF_Tr200_D3_int	224.20	355.64	359.36	359.36	360.52	0.009979	4.76	0.18	0.24	47.14	21.08	0.99
Intermedio	69.257*	Max WS	UF_Tr200_D6_int	229.90	355.64	359.40	359.40	360.57	0.009977	4.81	0.23	0.29	47.90	21.53	1.00
Intermedio	69.243*	Max WS	UF_Tr200_D1_int	128.92	355.30	358.21	358.17	359.17	0.010422	4.35			29.66	14.58	0.97
Intermedio	69.243*	Max WS	UF_Tr200_D3_int	224.36	355.30	359.16	359.18	360.38	0.010309	4.89	0.32	0.34	46.03	21.10	1.00
Intermedio	69.243*	Max WS	UF_Tr200_D6_int	230.05	355.30	359.20	359.23	360.44	0.010329	4.94	0.36	0.38	46.77	21.58	1.01
Intermedio	69.230*	Max WS	UF_Tr200_D1_int	129.15	354.96	358.00	357.95	359.00	0.010521	4.44			29.09	13.56	0.97
Intermedio	69.230*	Max WS	UF_Tr200_D3_int	224.53	354.96	358.95	359.06	360.26	0.010960	5.07	0.32	0.42	44.76	23.59	1.02
Intermedio	69.230*	Max WS	UF_Tr200_D6_int	230.21	354.96	358.98	359.11	360.32	0.011001	5.13	0.41	0.45	45.56	23.71	1.03
Intermedio	69.216	Max WS	UF_Tr200_D1_int	129.38	354.62	357.79	357.74	358.85	0.010895	4.57			28.34	12.56	0.97
Intermedio	69.216	Max WS	UF_Tr200_D3_int	224.60	354.62	358.72	358.92	360.16	0.012099	5.31	0.50	0.48	43.11	22.73	1.06
Intermedio	69.216	Max WS	UF_Tr200_D6_int	230.12	354.62	358.76	359.00	360.22	0.012152	5.37	0.57	0.52	43.86	22.87	1.07
Intermedio	69.203*	Max WS	UF_Tr200_D1_int	129.61	354.44	357.57	357.55	358.64	0.011157	4.58			28.29	12.97	0.99
Intermedio	69.203*	Max WS	UF_Tr200_D3_int	224.54	354.44	358.48	358.73	359.91	0.012220	5.30	0.49	0.49	43.21	23.63	1.07
Intermedio	69.203*	Max WS	UF_Tr200_D6_int	230.00	354.44	358.51	358.77	359.97	0.012271	5.35	0.56	0.53	43.96	23.78	1.08
Intermedio	69.189*	Max WS	UF_Tr200_D1_int	129.84	354.26	357.35	357.35	358.42	0.011386	4.59			28.31	13.39	1.01
Intermedio	69.189*	Max WS	UF_Tr200_D3_int	224.73	354.26	358.24	358.50	359.66	0.012354	5.28	0.47	0.51	43.37	24.56	1.09
Intermedio	69.189*	Max WS	UF_Tr200_D6_int	230.05	354.26	358.27	358.54	359.72	0.012392	5.34	0.54	0.54	44.13	25.33	1.09
Intermedio	69.176*	Max WS	UF_Tr200_D1_int	130.07	354.09	357.12	357.14	358.19	0.011576	4.58			28.40	13.81	1.02
Intermedio	69.176*	Max WS	UF_Tr200_D3_int	224.67	354.09	357.99	358.27	359.40	0.012454	5.26	0.44	0.52	43.58	25.53	1.09
Intermedio	69.176*	Max WS	UF_Tr200_D6_int	229.76	354.09	358.02	358.30	359.45	0.012459	5.30	0.51	0.55	44.37	26.49	1.10
Intermedio	69.162*	Max WS	UF_Tr200_D1_int	130.31	353.91	356.89	356.93	357.95	0.011712	4.56			28.55	14.22	1.03
Intermedio	69.162*	Max WS	UF_Tr200_D3_int	224.84	353.91	357.75	358.01	359.14	0.012562	5.23	0.41	0.54	43.85	26.60	1.10
Intermedio	69.162*	Max WS	UF_Tr200_D6_int	230.30	353.91	357.78	358.06	359.20	0.012601	5.28	0.48	0.38	44.71	29.37	1.11
Intermedio	69.149*	Max WS	UF_Tr200_D1_int	130.54	353.73	356.66	356.70	357.70	0.011755	4.53			28.80	14.62	1.03
Intermedio	69.149*	Max WS	UF_Tr200_D3_int	224.94	353.73	357.50	357.77	358.87	0.012629	5.19	0.37	0.45	44.25	29.05	1.10
Intermedio	69.149*	Max WS	UF_Tr200_D6_int	230.24	353.73	357.53	357.81	358.92	0.012631	5.24	0.45	0.46	45.15	30.06	1.11
Intermedio	69.135*	Max WS	UF_Tr200_D1_int	130.77	353.55	356.42	356.47	357.45	0.011688	4.48			29.17	15.02	1.03
Intermedio	69.135*	Max WS	UF_Tr200_D3_int	225.09	353.55	357.25	357.52	358.59	0.012657	5.14	0.32	0.52	44.72	29.99	1.10
Intermedio	69.135*	Max WS	UF_Tr200_D6_int	230.49	353.55	357.28	357.55	358.65	0.012654	5.19	0.40	0.53	45.65	30.77	1.11
Intermedio	69.122	Max WS	UF_Tr200_D1_int	131.01	353.37	356.20	356.21	357.19	0.011447	4.41			29.69	15.41	1.02
Intermedio	69.122	Max WS	UF_Tr200_D3_int	225.26	353.37	357.00	357.25	358.31	0.012602	5.08	0.28	0.59	45.32	30.45	1.10
Intermedio	69.122	Max WS	UF_Tr200_D6_int	230.65	353.37	357.03	357.29	358.37	0.012596	5.13	0.36	0.60	46.27	31.50	1.10
Intermedio	69.108*	Max WS	UF_Tr200_D1_int	131.24	353.15	355.97	356.02	356.97	0.011834	4.43			29.59	15.82	1.04
Intermedio	69.108*	Max WS	UF_Tr200_D3_int	225.68	353.15	356.75	357.02	358.09	0.012742	5.13	0.26	0.56	44.88	30.23	1.11
Intermedio	69.108*	Max WS	UF_Tr200_D6_int	231.19	353.15	356.78	357.05	358.14	0.012735	5.18	0.35	0.57	45.83	30.90	1.11
Intermedio	69.095*	Max WS	UF_Tr200_D1_int	131.47	352.93	355.73	355.79	356.74	0.012144	4.45			29.52	16.13	1.05
Intermedio	69.095*	Max WS	UF_Tr200_D3_int	225.87	352.93	356.50	356.77	357.85	0.012836	5.16	0.24	0.52	44.49	29.55	1.12
Intermedio	69.095*	Max WS	UF_Tr200_D6_int	231.42	352.93	356.53	356.81	357.91	0.012828	5.21	0.34	0.53	45.42	30.28	1.12
Intermedio	69.081*	Max WS	UF_Tr200_D1_int	131.71	352.71	355.49	355.58	356.50	0.012390	4.47			29.46	16.38	1.06
Intermedio	69.081*	Max WS	UF_Tr200_D3_int	226.13	352.71	356.24	356.52	357.62	0.012825	5.20	0.37	0.48	43.99	24.46	1.13
Intermedio	69.081*	Max WS	UF_Tr200_D6_int	231.68	352.71	356.27	356.54	357.67	0.012914	5.25	0.40	0.49	44.79	25.51	1.13
Intermedio	69.068*	Max WS	UF_Tr200_D1_int	131.95	352.48	355.24	355.35	356.26	0.012580	4.48			29.45	16.60	1.07
Intermedio	69.068*	Max WS	UF_Tr200_D3_int	226.33	352.48	355.98	356.25	357.37	0.012945	5.22	0.37	0.44	43.75	23.70	1.13
Intermedio	69.068*	Max WS	UF_Tr200_D6_int	231.87	352.48	356.02	356.30	357.43	0.012939	5.27	0.40	0.48	44.51	24.42	1.13
Intermedio	69.054*	Max WS	UF_Tr200_D1_int	132.19	352.26	354.99	355.10	356.01	0.012700	4.48			29.49	16.80	1.08
Intermedio	69.054*	Max WS	UF_Tr200_D3_int	226.60	352.26	355.73	356.00	357.12	0.012888	5.23	0.36	0.42	43.63	22.98	1.13
Intermedio	69.054*	Max WS	UF_Tr200_D6_int	232.13	352.26	355.76	356.04	357.18	0.012884	5.28	0.40	0.44	44.37	23.64	1.13
Intermedio	69.041*	Max WS	UF_Tr200_D1_int	132.42	352.04	354.74	354.85	355.76	0.012699	4.47			29.61	16.98	1.08
Intermedio	69.041*	Max WS	UF_Tr200_D3_int	226.76	352.04	355.48	355.74	356.86	0.012709	5.22	0.36	0.42	43.67	22.16	1.12
Intermedio	69.041*	Max WS	UF_Tr200_D6_int	232.29	352.04	355.51	355.78	356.92	0.012698	5.27	0.40	0.42	44.40	22.88	1.13
Intermedio	69.027*	Max WS	UF_Tr200_D1_int	132.66	351.82	354.49	354.59	355.49	0.012509	4.44			29.87	17.14	1.07
Intermedio	69.027*	Max WS	UF_Tr200_D3_int	226.93	351.82	355.23	355.47	356.60	0.012373	5.19	0.35	0.44	43.93	21.51	1.11
Intermedio	69.027*	Max WS	UF_Tr200_D6_int	232.44	351.82	355.26	355.50	356.66	0.012357	5.23	0.40	0.41	44.65	22.23	1.11
Intermedio	69.014*	Max WS	UF_Tr200_D1_int	132.90	351.60	354.25	354.32	355.22	0.012060	4.38			30.36	17.31	1.06
Intermedio	69.014*	Max WS	UF_Tr200_D3_int	227.11	351.60	354.99	355.19	356.33	0.011841	5.13	0.36	0.45	44.46	21.13	1.09
Intermedio	69.014*	Max WS	UF_Tr200_D6_int	232.60	351.60	355.02	355.23	356.39	0.011819	5.17	0.40	0.41	45.19	22.02	1.09
Intermedio	69	Max WS	UF_Tr200_D1_int	133.14	351.38	354.02	354.05	354.95	0.011293	4.27			31.15	17.50	1.02
Intermedio	69	Max WS	UF_Tr200_D3_int	227.28											

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	68.7			Lat Struct											
Intermedio	68.667*	Max WS	UF_Tr200_D1_int	133.57	350.94	353.58	353.70	354.60	0.012810	4.47			29.86	17.31	1.09
Intermedio	68.667*	Max WS	UF_Tr200_D3_int	227.59	350.94	354.33	354.55	355.70	0.012613	5.18	0.21		43.93	20.32	1.12
Intermedio	68.667*	Max WS	UF_Tr200_D6_int	233.04	350.94	354.37	354.59	355.76	0.012589	5.22	0.28		44.65	20.50	1.12
Intermedio	68.500*	Max WS	UF_Tr200_D1_int	133.79	350.72	353.35	353.46	354.37	0.012684	4.46			30.00	17.33	1.08
Intermedio	68.500*	Max WS	UF_Tr200_D3_int	227.75	350.72	354.11	354.31	355.47	0.012562	5.17	0.03		44.09	20.08	1.11
Intermedio	68.500*	Max WS	UF_Tr200_D6_int	233.18	350.72	354.14	354.35	355.52	0.012526	5.20	0.13		44.81	20.36	1.11
Intermedio	68.333*	Max WS	UF_Tr200_D1_int	134.01	350.51	353.13	353.19	354.09	0.011611	4.33			30.94	17.40	1.04
Intermedio	68.333*	Max WS	UF_Tr200_D3_int	227.91	350.51	353.89	354.04	355.19	0.011740	5.05			45.09	20.05	1.08
Intermedio	68.333*	Max WS	UF_Tr200_D6_int	233.32	350.51	353.93	354.08	355.25	0.011766	5.09			45.82	20.17	1.08
Intermedio	68.167*	Max WS	UF_Tr200_D1_int	134.23	350.29	352.94	352.88	353.79	0.009696	4.07			32.96	17.60	0.95
Intermedio	68.167*	Max WS	UF_Tr200_D3_int	228.07	350.29	353.69	353.72	354.89	0.010361	4.84			47.10	20.19	1.01
Intermedio	68.167*	Max WS	UF_Tr200_D6_int	233.46	350.29	353.73	353.81	354.94	0.010403	4.88			47.84	20.32	1.02
Intermedio	68	Max WS	UF_Tr200_D1_int	134.45	350.07	352.79		353.49	0.007418	3.71			36.24	18.00	0.84
Intermedio	68	Max WS	UF_Tr200_D3_int	228.22	350.07	353.52		354.57	0.008604	4.54			50.31	20.47	0.92
Intermedio	68	Max WS	UF_Tr200_D6_int	233.60	350.07	353.56		354.63	0.008666	4.58			51.03	20.58	0.93
Intermedio	67.800*	Max WS	UF_Tr200_D1_int	134.69	349.96	352.63		353.39	0.008437	3.85			34.97	18.35	0.89
Intermedio	67.800*	Max WS	UF_Tr200_D3_int	228.39	349.96	353.34	353.30	354.46	0.009553	4.68			48.84	20.81	0.97
Intermedio	67.800*	Max WS	UF_Tr200_D6_int	233.76	349.96	353.37	353.34	354.51	0.009613	4.72			49.56	20.93	0.98
Intermedio	67.600*	Max WS	UF_Tr200_D1_int	134.94	349.86	352.45	352.38	353.27	0.009577	4.00			33.76	18.61	0.95
Intermedio	67.600*	Max WS	UF_Tr200_D3_int	228.57	349.86	353.14	353.21	354.33	0.010621	4.82			47.40	21.07	1.03
Intermedio	67.600*	Max WS	UF_Tr200_D6_int	233.92	349.86	353.17	353.24	354.38	0.010675	4.86			48.12	21.21	1.03
Intermedio	67.400*	Max WS	UF_Tr200_D1_int	135.19	349.75	352.25	352.26	353.13	0.010935	4.16			32.52	18.76	1.01
Intermedio	67.400*	Max WS	UF_Tr200_D3_int	228.75	349.75	352.92	353.07	354.19	0.011918	4.99			45.84	21.22	1.08
Intermedio	67.400*	Max WS	UF_Tr200_D6_int	234.08	349.75	352.95	353.10	354.24	0.011977	5.03			46.56	21.38	1.09
Intermedio	67.200*	Max WS	UF_Tr200_D1_int	135.43	349.64	352.01	352.11	352.98	0.012722	4.36			31.10	18.77	1.08
Intermedio	67.200*	Max WS	UF_Tr200_D3_int	228.92	349.64	352.66	352.91	354.04	0.013672	5.20			44.03	21.30	1.15
Intermedio	67.200*	Max WS	UF_Tr200_D6_int	234.24	349.64	352.69	352.96	354.09	0.013724	5.24			44.72	21.44	1.16
Intermedio	67	Max WS	UF_Tr200_D1_int	135.68	349.54	351.73	351.94	352.83	0.015612	4.65			29.20	18.61	1.18
Intermedio	67	Max WS	UF_Tr200_D3_int	229.10	349.54	352.36	352.74	353.90	0.016261	5.49			41.70	21.14	1.25
Intermedio	67	Max WS	UF_Tr200_D6_int	234.39	349.54	352.39	352.77	353.95	0.016321	5.53			42.36	21.29	1.25
Intermedio	66.800*	Max WS	UF_Tr200_D1_int	135.91	349.22	351.45	351.64	352.50	0.015138	4.54			29.92	19.49	1.17
Intermedio	66.800*	Max WS	UF_Tr200_D3_int	229.27	349.22	352.07	352.40	353.53	0.015689	5.36			42.78	22.16	1.23
Intermedio	66.800*	Max WS	UF_Tr200_D6_int	234.54	349.22	352.09	352.44	353.58	0.015762	5.40			43.43	22.32	1.24
Intermedio	66.600*	Max WS	UF_Tr200_D1_int	136.14	348.90	351.17	351.34	352.17	0.014648	4.43			30.72	20.40	1.15
Intermedio	66.600*	Max WS	UF_Tr200_D3_int	229.43	348.90	351.78	352.09	353.17	0.015094	5.22			43.98	23.23	1.21
Intermedio	66.600*	Max WS	UF_Tr200_D6_int	234.69	348.90	351.81	352.12	353.22	0.015177	5.26			44.63	23.39	1.22
Intermedio	66.400*	Max WS	UF_Tr200_D1_int	136.37	348.58	350.90	351.05	351.85	0.014087	4.31			31.63	21.36	1.13
Intermedio	66.400*	Max WS	UF_Tr200_D3_int	229.59	348.58	351.51	351.77	352.81	0.014399	5.06			45.38	24.37	1.18
Intermedio	66.400*	Max WS	UF_Tr200_D6_int	234.84	348.58	351.53	351.80	352.86	0.014503	5.10			46.05	24.57	1.19
Intermedio	66.200*	Max WS	UF_Tr200_D1_int	136.61	348.26	350.65	350.76	351.54	0.013378	4.17			32.73	22.39	1.10
Intermedio	66.200*	Max WS	UF_Tr200_D3_int	229.76	348.26	351.25	351.46	352.46	0.013436	4.88	0.14		47.12	25.75	1.15
Intermedio	66.200*	Max WS	UF_Tr200_D6_int	234.98	348.26	351.28	351.49	352.51	0.013458	4.92	0.12		47.81	26.03	1.15
Intermedio	66	Max WS	UF_Tr200_D1_int	136.84	347.93	350.41	350.48	351.23	0.012433	4.01			34.14	23.52	1.06
Intermedio	66	Max WS	UF_Tr200_D3_int	229.87	347.93	351.01	351.15	352.12	0.012117	4.66	0.30		49.49	29.07	1.09
Intermedio	66	Max WS	UF_Tr200_D6_int	234.96	347.93	351.04	351.18	352.16	0.012147	4.70	0.37		50.22	29.14	1.09
Intermedio	65	Max WS	UF_Tr200_D1_int	137.08	347.33	350.23		350.74	0.006437	3.18			43.14	25.21	0.78
Intermedio	65	Max WS	UF_Tr200_D3_int	230.01	347.33	350.83		351.59	0.007210	3.86	0.13	0.29	59.90	31.89	0.85
Intermedio	65	Max WS	UF_Tr200_D6_int	235.03	347.33	350.85		351.63	0.007238	3.90	0.17	0.34	60.69	31.98	0.85
Intermedio	64.500*	Max WS	UF_Tr200_D1_int	137.28	347.42	350.10		350.76	0.009530	3.60			38.13	25.26	0.94
Intermedio	64.500*	Max WS	UF_Tr200_D3_int	230.14	347.42	350.69	350.67	351.62	0.009801	4.26	0.06	0.15	54.09	28.69	0.98
Intermedio	64.500*	Max WS	UF_Tr200_D6_int	235.11	347.42	350.72	350.70	351.66	0.009810	4.29	0.12	0.19	54.78	28.92	0.99
Intermedio	64	Max WS	UF_Tr200_D1_int	137.48	347.51	349.92	350.00	350.74	0.013328	4.02			34.19	24.49	1.09
Intermedio	64	Max WS	UF_Tr200_D3_int	230.28	347.51	350.51	350.65	351.61	0.012776	4.64			49.66	27.69	1.11
Intermedio	64	Max WS	UF_Tr200_D6_int	235.23	347.51	350.54	350.73	351.65	0.012843	4.68			50.31	27.82	1.11
Intermedio	63.667*	Max WS	UF_Tr200_D1_int	137.73	347.17	349.65	349.76	350.49	0.012851	4.05			34.00	23.41	1.07
Intermedio	63.667*	Max WS	UF_Tr200_D3_int	230.46	347.17	350.26	350.39	351.34	0.012606	4.60	0.08		50.10	28.17	1.10
Intermedio	63.667*	Max WS	UF_Tr200_D6_int	235.39	347.17	350.28	350.42	351.38	0.012652	4.64	0.12		50.73	28.51	1.10
Intermedio	63.333*	Max WS	UF_Tr200_D1_int	137.99	346.84	349.39	349.51	350.24	0.012817	4.09			33.71	22.57	1.07
Intermedio	63.333*	Max WS	UF_Tr200_D3_int	230.64	346.84	350.01	350.15	351.09	0.012769	4.60	0.27		50.25	30.37	1.10
Intermedio	63.333*	Max WS	UF_Tr200_D6_int	235.54	346.84	350.03	350.17	351.13	0.012821	4.64	0.34		50.89	30.40	1.11
Intermedio	63	Max WS	UF_Tr200_D1_int	138.23	346.50	349.12	349.26	350.01	0.013328	4.17			33.16	21.82	1.08
Intermedio	63	Max WS	UF_Tr200_D3_int	230.47	346.50	349.75	349.91	350.85	0.013617	4.66	0.54		49.81	30.72	1.12
Intermedio	63	Max WS	UF_Tr200_D6_int	235.18	346.50	349.77	349.94	350.89	0.013642	4.70	0.59		50.46	30.75	1.13
Intermedio	62.800*	Max WS	UF_Tr200_D1_int	138.48	346.28	348.87	348.97	349.75	0.012813	4.16			33.28	21.70	1.07
Intermedio	62.800*	Max WS	UF_Tr200_D3_int	230.12	346.28	349.49	349.66	350.61	0.013452	4.70	0.44		49.28	31.10	1.13
Intermedio	62.800*	Max WS	UF_Tr200_D6_int	234.61	346.28	349.51	349.69	350.65	0.013473	4.74	0.49		49.92	31.13	1.13
Intermedio	62.600*	Max WS	UF_Tr200_D1_int	138.73	346.05	348.63	348.71	349.50	0.012477	4.15			33.46	21.75	1.07
Intermedio	62.600*	Max WS	UF_Tr200_D3_int	230.15	346.05	349.23	349.42	350.38	0.013405	4.75	0.32	0.11	48.69	31.53	1.13
Intermedio	62.600*	Max WS	UF_Tr200_D6_int	234.48	346.05	349.25	349.44	350.42	0.013399	4.79	0.38	0.16	49.33	31.58	1.14
Intermedio	62.400*	Max WS	UF_Tr200_D1_int	138.97	345.82	348.39	348.46	349.26	0.012332	4.13			33.64	21.88	1.06
Intermedio	62.400*	Max WS	UF_Tr200_D3_int	230.32	345.82	348.97	349.18	350.15	0.013497	4.81	0.26	0.22	47.98	30.55	1.14
Intermedio	62.400*	Max WS	UF_Tr200_D6_int	234.59	345.82	348.99	349.21	350.19	0.013493	4.85	0.25	0.25	48.62	32.10	1.15
Intermedio	62.200*	Max WS	UF_Tr200_D1_int	139.22	345.60	348.15	348.22	349.02	0.012444	4.13			33.73	22.07	1.07
Intermedio	62.200*	Max WS	UF_Tr200_D3_int	230.50	345.60	348.70	348.96	349.92	0.013836	4.89	0.26	0.30	47.21	27.94	1.16
Intermedio	62.200*	Max WS	UF_Tr200_D6_int	234.75	345.60	348.72	348.98	349.96	0.013834	4.93	0.30	0.33	47.78	28.28	1.16
Intermedio	62	Max WS	UF_Tr200_D1_int	139.46	345.37	347.90	347.99	348.78	0.013037	4.16			33.55	22.25	1.08

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	61.500*	Max WS	UF_Tr200_D6_int	235.02	345.44	348.22	348.58	349.64	0.016472	5.28	0.14	0.39	44.60	26.40	1.26
Intermedio	61	Max WS	UF_Tr200_D1_int	139.83	345.52	347.42	347.73	348.59	0.020727	4.80			29.12	22.43	1.35
Intermedio	61	Max WS	UF_Tr200_D3_int	230.93	345.52	347.93	348.39	349.53	0.019976	5.59	0.29		41.36	25.13	1.37
Intermedio	61	Max WS	UF_Tr200_D6_int	235.14	345.52	347.96	348.40	349.57	0.019905	5.62		0.35	41.89	25.27	1.37
Intermedio	60.500*	Max WS	UF_Tr200_D1_int	140.02	345.17	347.10	347.41	348.27	0.021406	4.77			29.34	23.51	1.36
Intermedio	60.500*	Max WS	UF_Tr200_D3_int	231.06	345.17	347.64	348.03	349.13	0.019509	5.41			42.74	26.35	1.36
Intermedio	60.500*	Max WS	UF_Tr200_D6_int	235.25	345.17	347.66	348.07	349.17	0.019413	5.43		0.08	43.32	26.61	1.35
Intermedio	60	Max WS	UF_Tr200_D1_int	140.21	344.82	346.81	347.05	347.82	0.017987	4.45			31.49	24.42	1.25
Intermedio	60	Max WS	UF_Tr200_D3_int	231.20	344.82	347.38	347.67	348.65	0.016216	5.00			46.27	27.81	1.24
Intermedio	60	Max WS	UF_Tr200_D6_int	235.37	344.82	347.40	347.69	348.68	0.016179	5.02			46.91	27.97	1.24
Intermedio	59.500*	Max WS	UF_Tr200_D1_int	140.35	344.50	346.63	346.81	347.57	0.016436	4.28			32.79	25.12	1.20
Intermedio	59.500*	Max WS	UF_Tr200_D3_int	231.29	344.50	347.22	347.42	348.40	0.014002	4.80			48.16	27.27	1.15
Intermedio	59.500*	Max WS	UF_Tr200_D6_int	235.45	344.50	347.24	347.45	348.43	0.013965	4.83			48.78	27.36	1.15
Intermedio	59	Max WS	UF_Tr200_D1_int	140.49	344.18	346.47	346.59	347.34	0.014925	4.12			34.07	25.22	1.13
Intermedio	59	Max WS	UF_Tr200_D3_int	231.39	344.18	347.08	347.20	348.18	0.012435	4.63			50.00	26.81	1.08
Intermedio	59	Max WS	UF_Tr200_D6_int	235.53	344.18	347.11	347.22	348.21	0.012405	4.65			50.63	26.87	1.08
Intermedio	58.500*	Max WS	UF_Tr200_D1_int	140.68	343.89	346.27	346.28	347.02	0.011379	3.85			36.56	24.68	1.01
Intermedio	58.500*	Max WS	UF_Tr200_D3_int	231.53	343.89	346.91	346.90	347.88	0.010062	4.36			53.05	26.75	0.99
Intermedio	58.500*	Max WS	UF_Tr200_D6_int	235.65	343.89	346.93	346.92	347.92	0.010063	4.39			53.69	26.84	0.99
Intermedio	58	Max WS	UF_Tr200_D1_int	140.88	343.60	346.12		346.74	0.008118	3.50			40.23	24.18	0.87
Intermedio	58	Max WS	UF_Tr200_D3_int	231.67	343.60	346.77		347.61	0.008158	4.07			56.85	27.18	0.90
Intermedio	58	Max WS	UF_Tr200_D6_int	235.78	343.60	346.79		347.65	0.008199	4.10			57.49	27.33	0.90
Intermedio	57.667*	Max WS	UF_Tr200_D1_int	141.07	343.38	345.99		346.66	0.008691	3.64			38.78	23.39	0.90
Intermedio	57.667*	Max WS	UF_Tr200_D3_int	231.81	343.38	346.64		347.55	0.008602	4.23	0.03		54.81	25.97	0.93
Intermedio	57.667*	Max WS	UF_Tr200_D6_int	235.90	343.38	346.66		347.59	0.008636	4.26	0.09		55.40	26.12	0.93
Intermedio	57.333*	Max WS	UF_Tr200_D1_int	141.27	343.15	345.85		346.58	0.009262	3.77			37.52	22.43	0.93
Intermedio	57.333*	Max WS	UF_Tr200_D3_int	231.94	343.15	346.51	346.44	347.49	0.009147	4.39	0.10		52.85	24.69	0.96
Intermedio	57.333*	Max WS	UF_Tr200_D6_int	236.02	343.15	346.53	346.47	347.53	0.009193	4.42	0.14		53.41	24.84	0.96
Intermedio	57	Max WS	UF_Tr200_D1_int	141.46	342.93	345.71	345.64	346.48	0.009780	3.88			36.45	21.13	0.94
Intermedio	57	Max WS	UF_Tr200_D3_int	232.07	342.93	346.36	346.34	347.42	0.009895	4.55	0.13		50.96	23.34	0.98
Intermedio	57	Max WS	UF_Tr200_D6_int	236.14	342.93	346.39	346.37	347.46	0.009967	4.59	0.17		51.48	23.50	0.99
Intermedio	56.500*	Max WS	UF_Tr200_D1_int	141.68	342.85	345.54	345.54	346.39	0.010797	4.08			34.72	20.42	1.00
Intermedio	56.500*	Max WS	UF_Tr200_D3_int	232.23	342.85	346.19	346.29	347.34	0.010865	4.75	0.22	0.17	48.93	23.53	1.04
Intermedio	56.500*	Max WS	UF_Tr200_D6_int	236.27	342.85	346.21	346.29	347.38	0.010870	4.78	0.26	0.21	49.44	23.73	1.04
Intermedio	56	Max WS	UF_Tr200_D1_int	141.90	342.78	345.36	345.35	346.24	0.010575	4.15			34.20	19.22	0.99
Intermedio	56	Max WS	UF_Tr200_D3_int	232.38	342.78	346.01	346.12	347.21	0.011385	4.86	0.36	0.19	47.87	23.46	1.06
Intermedio	56	Max WS	UF_Tr200_D6_int	236.40	342.78	346.03	346.16	347.25	0.011393	4.89	0.34	0.23	48.52	25.72	1.07
Intermedio	55.909*	Max WS	UF_Tr200_D1_int	142.15	342.53	345.15	345.15	346.04	0.010670	4.17			34.06	19.14	1.00
Intermedio	55.909*	Max WS	UF_Tr200_D3_int	232.49	342.53	345.78	345.92	347.01	0.011367	4.92	0.46	0.33	47.62	25.23	1.07
Intermedio	55.909*	Max WS	UF_Tr200_D6_int	236.39	342.53	345.80	345.94	347.05	0.011374	4.95	0.51	0.36	48.15	25.31	1.07
Intermedio	55.818*	Max WS	UF_Tr200_D1_int	142.41	342.28	344.94	344.94	345.84	0.010816	4.20			33.91	19.11	1.01
Intermedio	55.818*	Max WS	UF_Tr200_D3_int	232.21	342.28	345.56	345.75	346.81	0.011299	4.96	0.62	0.46	47.31	24.75	1.07
Intermedio	55.818*	Max WS	UF_Tr200_D6_int	235.88	342.28	345.58	345.75	346.85	0.011290	4.99	0.66	0.48	47.83	24.82	1.07
Intermedio	55.727*	Max WS	UF_Tr200_D1_int	142.67	342.03	344.72	344.75	345.63	0.011037	4.23			33.76	19.13	1.02
Intermedio	55.727*	Max WS	UF_Tr200_D3_int	231.38	342.03	345.33	345.48	346.60	0.011148	4.99	0.77	0.57	47.06	24.26	1.06
Intermedio	55.727*	Max WS	UF_Tr200_D6_int	235.17	342.03	345.36	345.55	346.64	0.011156	5.03	0.81	0.59	47.57	24.32	1.07
Intermedio	55.636*	Max WS	UF_Tr200_D1_int	142.92	341.78	344.50	344.54	345.42	0.011262	4.26			33.59	19.08	1.02
Intermedio	55.636*	Max WS	UF_Tr200_D3_int	231.72	341.78	345.11	345.26	346.40	0.011081	5.04	0.89	0.66	46.88	23.75	1.06
Intermedio	55.636*	Max WS	UF_Tr200_D6_int	235.67	341.78	345.13	345.29	346.44	0.011120	5.08	0.92	0.67	47.37	23.80	1.07
Intermedio	55.545	Max WS	UF_Tr200_D1_int	143.18	341.53	344.27	344.31	345.21	0.011486	4.29			33.39	18.95	1.03
Intermedio	55.545	Max WS	UF_Tr200_D3_int	231.10	341.53	344.89	345.03	346.19	0.010882	5.06	1.01	0.75	46.79	23.24	1.05
Intermedio	55.545	Max WS	UF_Tr200_D6_int	234.84	341.53	344.91	345.06	346.23	0.010918	5.10	1.04	0.77	47.25	23.28	1.06
Intermedio	55.454*	Max WS	UF_Tr200_D1_int	143.44	341.30	344.05	344.09	344.99	0.011328	4.30			33.39	18.70	1.03
Intermedio	55.454*	Max WS	UF_Tr200_D3_int	230.75	341.30	344.68	344.81	345.96	0.010809	5.03	0.95	0.67	46.86	23.32	1.05
Intermedio	55.454*	Max WS	UF_Tr200_D6_int	234.34	341.30	344.70	344.83	346.00	0.010841	5.06	0.98	0.68	47.30	23.36	1.05
Intermedio	55.363*	Max WS	UF_Tr200_D1_int	143.70	341.07	343.82	343.85	344.76	0.011057	4.28			33.54	18.48	1.02
Intermedio	55.363*	Max WS	UF_Tr200_D3_int	230.61	341.07	344.47	344.58	345.73	0.010724	4.99	0.89	0.58	47.02	23.39	1.04
Intermedio	55.363*	Max WS	UF_Tr200_D6_int	234.09	341.07	344.48	344.61	345.77	0.010754	5.03	0.92	0.60	47.46	23.43	1.05
Intermedio	55.273*	Max WS	UF_Tr200_D1_int	143.95	340.83	343.61	343.61	344.53	0.010645	4.25			33.86	18.30	1.00
Intermedio	55.273*	Max WS	UF_Tr200_D3_int	230.33	340.83	344.25	344.35	345.50	0.010587	4.95	0.80	0.45	47.26	23.48	1.03
Intermedio	55.273*	Max WS	UF_Tr200_D6_int	233.70	340.83	344.27	344.38	345.53	0.010617	4.98	0.83	0.48	47.68	23.51	1.04
Intermedio	55.182*	Max WS	UF_Tr200_D1_int	144.22	340.60	343.40	343.37	344.30	0.010131	4.19			34.39	18.23	0.98
Intermedio	55.182*	Max WS	UF_Tr200_D3_int	230.69	340.60	344.04	344.13	345.27	0.010452	4.91	0.72	0.32	47.60	23.56	1.03
Intermedio	55.182*	Max WS	UF_Tr200_D6_int	234.01	340.60	344.06	344.15	345.30	0.010487	4.94	0.76	0.35	48.01	23.60	1.03
Intermedio	55.091*	Max WS	UF_Tr200_D1_int	144.47	340.37	343.21	343.12	344.07	0.009492	4.11			35.17	18.25	0.95
Intermedio	55.091*	Max WS	UF_Tr200_D3_int	230.48	340.37	343.84	343.90	345.03	0.010208	4.84	0.64	0.13	48.06	23.62	1.01
Intermedio	55.091*	Max WS	UF_Tr200_D6_int	233.71	340.37	343.86	343.93	345.07	0.010250	4.88	0.68	0.18	48.44	23.66	1.01
Intermedio	55	Max WS	UF_Tr200_D1_int	144.74	340.13	343.03		343.84	0.008731	3.99			36.23	18.35	0.91
Intermedio	55	Max WS	UF_Tr200_D3_int	229.74	340.13	343.64	343.66	344.79	0.009757	4.75	0.55		48.71	23.69	0.99
Intermedio	55	Max WS	UF_Tr200_D6_int	232.77	340.13	343.66	343.68	344.82	0.009815	4.78	0.59		49.08	23.72	0.99
Intermedio	54.933*	Max WS	UF_Tr200_D1_int	144.98	339.96	342.86		343.69	0.009002	4.03			35.95	18.41	0.92
Intermedio	54.933*	Max WS	UF_Tr200_D3_int	229.91	339.96	343.45	343.52	344.64	0.010103	4.82	0.55	0.20	48.08	24.14	1.01
Intermedio	54.933*	Max WS	UF_Tr200_D6_int	232.91	339.96	343.47	343.55	344.67	0.010157	4.86	0.59	0.23	48.43	24.20	1.01
Intermedio	54.9		Lat Struct												
Intermedio	54.87		Lat Struct												
Intermedio	54.867*	Max WS	UF_Tr200_D1_int	145.23	339.78	342.68	342.60	343.53	0.009382	4.08			35.56	18.48	0.94
Intermedio	54.867*	Max WS	UF_Tr200_D3_int	229.73	339.78	343.26	343.39	344.48	0.01047						

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	54.800*	Max WS	UF_Tr200_D6_int	232.31	339.60	343.07	343.26	344.35	0.011033	5.02	0.50	0.68	47.31	28.71	1.05
Intermedio	54.733*	Max WS	UF_Tr200_D1_int	145.73	339.42	342.31	342.31	343.23	0.010700	4.25			34.30	18.57	1.00
Intermedio	54.733*	Max WS	UF_Tr200_D3_int	229.09	339.42	342.84	343.10	344.16	0.011682	5.10	0.58	0.86	46.14	27.44	1.08
Intermedio	54.733*	Max WS	UF_Tr200_D6_int	231.61	339.42	342.85	343.12	344.19	0.011724	5.12	0.58	0.89	46.47	27.71	1.08
Intermedio	54.667*	Max WS	UF_Tr200_D1_int	145.97	339.24	342.09	342.16	343.08	0.011909	4.39			33.23	18.55	1.05
Intermedio	54.667*	Max WS	UF_Tr200_D3_int	227.97	339.24	342.61	342.94	343.99	0.012641	5.22	0.69	1.05	45.16	27.54	1.12
Intermedio	54.667*	Max WS	UF_Tr200_D6_int	230.32	339.24	342.62	342.95	344.02	0.012673	5.25	0.69	1.08	45.47	27.66	1.12
Intermedio	54.6	Max WS	UF_Tr200_D1_int	146.22	339.06	341.85	342.02	342.94	0.013958	4.62			31.63	18.41	1.13
Intermedio	54.6	Max WS	UF_Tr200_D3_int	226.44	339.06	342.36	342.76	343.83	0.014183	5.41	0.75	1.21	43.64	27.90	1.18
Intermedio	54.6	Max WS	UF_Tr200_D6_int	228.64	339.06	342.37	342.77	343.86	0.014197	5.43	0.77	1.24	43.95	27.94	1.18
Intermedio	54.525*	Max WS	UF_Tr200_D1_int	146.46	338.85	341.59	341.75	342.64	0.013656	4.55			32.20	19.09	1.12
Intermedio	54.525*	Max WS	UF_Tr200_D3_int	226.00	338.85	342.10	342.47	343.52	0.013893	5.30	0.65	1.03	44.01	28.24	1.17
Intermedio	54.525*	Max WS	UF_Tr200_D6_int	228.18	338.85	342.11	342.48	343.54	0.013909	5.32	0.66	1.06	44.31	28.29	1.17
Intermedio	54.450*	Max WS	UF_Tr200_D1_int	146.71	338.64	341.33	341.48	342.36	0.013411	4.48			32.78	19.81	1.11
Intermedio	54.450*	Max WS	UF_Tr200_D3_int	225.83	338.64	341.84	342.18	343.21	0.013663	5.20	0.57	0.89	44.44	28.63	1.16
Intermedio	54.450*	Max WS	UF_Tr200_D6_int	227.94	338.64	341.85	342.19	343.23	0.013675	5.22	0.59	0.92	44.74	28.67	1.16
Intermedio	54.375*	Max WS	UF_Tr200_D1_int	146.96	338.43	341.08	341.20	342.07	0.013211	4.40			33.37	20.54	1.10
Intermedio	54.375*	Max WS	UF_Tr200_D3_int	226.03	338.43	341.58	341.90	342.91	0.013510	5.12	0.48	0.73	44.91	29.06	1.15
Intermedio	54.375*	Max WS	UF_Tr200_D6_int	228.06	338.43	341.59	341.92	342.93	0.013510	5.14	0.51	0.77	45.21	29.09	1.15
Intermedio	54.300*	Max WS	UF_Tr200_D1_int	147.21	338.21	340.84	340.95	341.80	0.013079	4.34			33.93	21.29	1.10
Intermedio	54.300*	Max WS	UF_Tr200_D3_int	226.39	338.21	341.33	341.62	342.62	0.013431	5.04	0.39	0.54	45.38	29.51	1.15
Intermedio	54.300*	Max WS	UF_Tr200_D6_int	228.44	338.21	341.34	341.64	342.64	0.013431	5.06	0.41	0.58	45.68	29.55	1.15
Intermedio	54.225*	Max WS	UF_Tr200_D1_int	147.46	338.00	340.59	340.70	341.52	0.013024	4.28			34.46	22.05	1.09
Intermedio	54.225*	Max WS	UF_Tr200_D3_int	226.61	338.00	341.07	341.35	342.33	0.013383	4.96	0.29	0.43	45.85	27.91	1.14
Intermedio	54.225*	Max WS	UF_Tr200_D6_int	228.66	338.00	341.08	341.37	342.35	0.013384	4.98	0.33	0.38	46.15	30.03	1.14
Intermedio	54.150*	Max WS	UF_Tr200_D1_int	147.71	337.79	340.34	340.45	341.26	0.013062	4.23			34.92	22.82	1.09
Intermedio	54.150*	Max WS	UF_Tr200_D3_int	226.78	337.79	340.82	341.06	342.05	0.013429	4.90	0.17	0.31	46.29	25.01	1.14
Intermedio	54.150*	Max WS	UF_Tr200_D6_int	228.82	337.79	340.83	341.07	342.06	0.013415	4.92	0.21	0.35	46.56	25.10	1.14
Intermedio	54.075*	Max WS	UF_Tr200_D1_int	147.96	337.58	340.10	340.20	340.99	0.013269	4.20			35.25	23.57	1.10
Intermedio	54.075*	Max WS	UF_Tr200_D3_int	226.96	337.58	340.57	340.79	341.77	0.013588	4.85		0.05	46.81	25.50	1.14
Intermedio	54.075*	Max WS	UF_Tr200_D6_int	228.97	337.58	340.58	340.80	341.78	0.013576	4.86		0.12	47.08	25.56	1.14
Intermedio	54	Max WS	UF_Tr200_D1_int	148.21	337.36	339.88	339.96	340.73	0.009278	4.07			36.38	24.47	1.07
Intermedio	54	Max WS	UF_Tr200_D3_int	227.13	337.36	340.35	340.53	341.48	0.009480	4.71			48.21	26.31	1.11
Intermedio	54	Max WS	UF_Tr200_D6_int	229.12	337.36	340.36	340.53	341.50	0.009481	4.72			48.50	26.35	1.11
Intermedio	53.917	Max WS	UF_Tr200_D1_int	148.46	337.13	339.69	339.81	340.59	0.010180	4.20			35.37	24.18	1.11
Intermedio	53.917	Max WS	UF_Tr200_D3_int	227.31	337.13	340.16	340.34	341.36	0.010095	4.85			46.90	25.46	1.14
Intermedio	53.917	Max WS	UF_Tr200_D6_int	229.28	337.13	340.17	340.36	341.37	0.010089	4.86			47.18	25.49	1.14
Intermedio	53.834*	Max WS	UF_Tr200_D1_int	148.73	336.96	339.50	339.61	340.40	0.010157	4.21			35.31	24.05	1.11
Intermedio	53.834*	Max WS	UF_Tr200_D3_int	227.48	336.96	339.96	340.15	341.17	0.010073	4.86			46.84	25.37	1.14
Intermedio	53.834*	Max WS	UF_Tr200_D6_int	229.43	336.96	339.97	340.16	341.18	0.010065	4.87			47.11	25.40	1.14
Intermedio	53.750*	Max WS	UF_Tr200_D1_int	148.98	336.79	339.30	339.42	340.21	0.010129	4.22			35.27	23.92	1.11
Intermedio	53.750*	Max WS	UF_Tr200_D3_int	227.67	336.79	339.77	339.95	340.98	0.010055	4.87			46.77	25.28	1.14
Intermedio	53.750*	Max WS	UF_Tr200_D6_int	229.59	336.79	339.78	339.97	340.99	0.010040	4.88			47.06	25.32	1.14
Intermedio	53.667*	Max WS	UF_Tr200_D1_int	149.24	336.62	339.10	339.22	340.02	0.010097	4.24			35.24	23.80	1.11
Intermedio	53.667*	Max WS	UF_Tr200_D3_int	227.84	336.62	339.57	339.76	340.79	0.010028	4.88			46.73	25.21	1.14
Intermedio	53.667*	Max WS	UF_Tr200_D6_int	229.74	336.62	339.59	339.77	340.80	0.010007	4.89			47.02	25.24	1.14
Intermedio	53.584*	Max WS	UF_Tr200_D1_int	149.50	336.45	338.91	339.02	339.83	0.010052	4.24			35.22	23.68	1.11
Intermedio	53.584*	Max WS	UF_Tr200_D3_int	228.02	336.45	339.38	339.57	340.60	0.009998	4.88			46.70	25.14	1.14
Intermedio	53.584*	Max WS	UF_Tr200_D6_int	229.89	336.45	339.39	339.58	340.61	0.009967	4.89			47.01	25.18	1.14
Intermedio	53.500*	Max WS	UF_Tr200_D1_int	149.76	336.27	338.72	338.83	339.64	0.009999	4.25			35.23	23.58	1.11
Intermedio	53.500*	Max WS	UF_Tr200_D3_int	228.20	336.27	339.19	339.38	340.40	0.009969	4.89			46.69	25.09	1.14
Intermedio	53.500*	Max WS	UF_Tr200_D6_int	230.04	336.27	339.20	339.38	340.42	0.009922	4.89			47.02	25.13	1.14
Intermedio	53.417*	Max WS	UF_Tr200_D1_int	150.01	336.11	338.52	338.64	339.45	0.009921	4.25			35.26	23.47	1.11
Intermedio	53.417*	Max WS	UF_Tr200_D3_int	228.37	336.11	338.99	339.19	340.21	0.009938	4.89			46.70	25.05	1.14
Intermedio	53.417*	Max WS	UF_Tr200_D6_int	230.20	336.11	339.01	339.19	340.23	0.009881	4.89			47.04	25.10	1.14
Intermedio	53.333*	Max WS	UF_Tr200_D1_int	150.27	335.93	338.33	338.45	339.25	0.009815	4.25			35.35	23.39	1.10
Intermedio	53.333*	Max WS	UF_Tr200_D3_int	228.55	335.93	338.80	338.99	340.02	0.009885	4.89		0.07	46.74	25.05	1.14
Intermedio	53.333*	Max WS	UF_Tr200_D6_int	230.44	335.93	338.82	339.00	340.04	0.009794	4.89		0.14	47.12	25.14	1.14
Intermedio	53.250*	Max WS	UF_Tr200_D1_int	150.54	335.76	338.14	338.25	339.06	0.009676	4.24			35.48	23.32	1.10
Intermedio	53.250*	Max WS	UF_Tr200_D3_int	228.73	335.76	338.61	338.79	339.83	0.009739	4.88		0.31	46.85	25.16	1.14
Intermedio	53.250*	Max WS	UF_Tr200_D6_int	231.35	335.76	338.63	338.86	339.85	0.009694	4.90		0.35	47.27	25.25	1.14
Intermedio	53.167*	Max WS	UF_Tr200_D1_int	150.80	335.59	337.96	338.05	338.87	0.009499	4.23			35.68	23.27	1.09
Intermedio	53.167*	Max WS	UF_Tr200_D3_int	228.91	335.59	338.43	338.64	339.64	0.009564	4.87		0.47	47.04	25.22	1.13
Intermedio	53.167*	Max WS	UF_Tr200_D6_int	231.51	335.59	338.44	338.65	339.66	0.009505	4.88		0.50	47.48	25.31	1.13
Intermedio	53.083*	Max WS	UF_Tr200_D1_int	151.05	335.42	337.78	337.87	338.68	0.009264	4.20			35.99	23.26	1.08
Intermedio	53.083*	Max WS	UF_Tr200_D3_int	229.08	335.42	338.24	338.45	339.44	0.009341	4.85		0.60	47.32	25.25	1.12
Intermedio	53.083*	Max WS	UF_Tr200_D6_int	231.65	335.42	338.26	338.48	339.46	0.009265	4.85		0.63	47.79	25.33	1.11
Intermedio	53	Max WS	UF_Tr200_D1_int	151.31	335.25	337.60	337.68	338.48	0.008960	4.15			36.42	23.30	1.06
Intermedio	53	Max WS	UF_Tr200_D3_int	229.26	335.25	338.07	338.28	339.25	0.009053	4.81		0.72	47.73	25.23	1.10
Intermedio	53	Max WS	UF_Tr200_D6_int	231.81	335.25	338.09	338.30	339.27	0.008955	4.81		0.75	48.25	25.31	1.10
Intermedio	52.889*	Max WS	UF_Tr200_D1_int	151.56	335.05	337.44	337.51	338.32	0.008934	4.16			36.47	23.28	1.06
Intermedio	52.889*	Max WS	UF_Tr200_D3_int	229.42	335.05	337.90	338.11	339.08	0.009078	4.82		0.74	47.74	25.35	1.10
Intermedio	52.889*	Max WS	UF_Tr200_D6_int	231.94	335.05	337.92	338.14	339.10	0.008946	4.81		0.77	48.31	25.44	1.10
Intermedio	52.778*	Max WS	UF_Tr200_D1_int	151.82	334.84	337.27	337.34	338.15	0.008894	4.15			36.54	23.25	1.06
Intermedio	52.778*	Max WS	UF_Tr200_D3_int	229.57	334.84	337.73	337.95	338.91	0.009109	4.82		0.75	47.76	25.49	1.11
Intermedio	52.778*	Max WS	UF_Tr200_D6_int	232.07											

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	52.556*	Max WS	UF_Tr200_D6_int	232.25	334.43	337.43	337.66	338.59	0.008747	4.78	0.36	0.43	49.25	36.79	1.09
Intermedio	52.444*	Max WS	UF_Tr200_D1_int	152.56	334.22	336.78	336.83	337.65	0.008584	4.12			37.06	23.16	1.04
Intermedio	52.444*	Max WS	UF_Tr200_D3_int	228.37	334.22	337.23	337.46	338.39	0.008922	4.77	0.35	0.59	48.61	35.89	1.09
Intermedio	52.444*	Max WS	UF_Tr200_D6_int	232.12	334.22	337.27	337.48	338.41	0.008552	4.74	0.52	0.72	50.12	35.89	1.07
Intermedio	52.333*	Max WS	UF_Tr200_D1_int	152.81	334.02	336.63	336.66	337.48	0.008377	4.08			37.41	23.13	1.03
Intermedio	52.333*	Max WS	UF_Tr200_D3_int	227.62	334.02	337.06	337.27	338.20	0.008706	4.72	0.51	0.84	49.35	35.00	1.08
Intermedio	52.333*	Max WS	UF_Tr200_D6_int	231.08	334.02	337.11	337.29	338.21	0.008207	4.66	0.67	0.95	51.10	35.00	1.05
Intermedio	52.222*	Max WS	UF_Tr200_D1_int	153.07	333.81	336.47	336.48	337.30	0.008097	4.04			37.89	23.12	1.01
Intermedio	52.222*	Max WS	UF_Tr200_D3_int	223.20	333.81	336.91	337.06	337.97	0.008095	4.57	0.65	1.04	50.30	34.10	1.04
Intermedio	52.222*	Max WS	UF_Tr200_D6_int	228.22	333.81	336.97	337.09	338.00	0.007633	4.53	0.80	1.14	52.29	34.10	1.01
Intermedio	52.111*	Max WS	UF_Tr200_D1_int	153.33	333.61	336.33	336.30	337.13	0.007735	3.98			38.52	23.11	0.98
Intermedio	52.111*	Max WS	UF_Tr200_D3_int	219.86	333.61	336.76	336.85	337.75	0.007452	4.42	0.78	1.20	51.52	33.21	1.00
Intermedio	52.111*	Max WS	UF_Tr200_D6_int	224.86	333.61	336.83	336.89	337.79	0.006934	4.36	0.92	1.28	53.75	33.21	0.97
Intermedio	52	Max WS	UF_Tr200_D1_int	153.57	333.40	336.19	336.12	336.96	0.007283	3.90			39.35	23.11	0.95
Intermedio	52	Max WS	UF_Tr200_D3_int	216.32	333.40	336.63	336.64	337.54	0.006699	4.24	0.90	1.33	53.07	32.31	0.95
Intermedio	52	Max WS	UF_Tr200_D6_int	220.34	333.40	336.71	336.67	337.57	0.006092	4.14	1.02	1.38	55.57	32.31	0.91
Intermedio	51.944	Max WS	UF_Tr200_D1_int	153.82	333.34	336.05	335.96	336.76	0.006838	3.72	0.33	0.52	41.66	30.05	0.93
Intermedio	51.944	Max WS	UF_Tr200_D3_int	213.82	333.34	336.52	336.42	337.29	0.005512	3.94	1.05	1.15	57.54	37.20	0.87
Intermedio	51.944	Max WS	UF_Tr200_D6_int	217.03	333.34	336.61	336.44	337.33	0.004888	3.82	1.08	1.16	60.94	38.39	0.82
Intermedio	51.889*	Max WS	UF_Tr200_D1_int	153.84	333.20	335.93	335.83	336.59	0.006124	3.59	0.45	0.67	43.50	32.20	0.88
Intermedio	51.889*	Max WS	UF_Tr200_D3_int	206.54	333.20	336.42		337.08	0.004414	3.62	1.10	1.10	61.02	37.33	0.78
Intermedio	51.889*	Max WS	UF_Tr200_D6_int	211.04	333.20	336.52		337.13	0.003908	3.51	1.18	1.10	64.74	37.33	0.74
Intermedio	51.833*	Max WS	UF_Tr200_D1_int	153.10	333.06	335.82		336.42	0.005302	3.42	0.59	0.77	45.89	33.52	0.83
Intermedio	51.833*	Max WS	UF_Tr200_D3_int	200.91	333.06	336.35		336.89	0.003513	3.33	1.18	1.05	64.81	36.27	0.71
Intermedio	51.833*	Max WS	UF_Tr200_D6_int	207.05	333.06	336.46		336.98	0.003119	3.24	1.24	1.05	68.93	36.27	0.67
Intermedio	51.778*	Max WS	UF_Tr200_D1_int	151.10	332.92	335.73		336.25	0.004399	3.20	0.69	0.82	49.00	35.21	0.76
Intermedio	51.778*	Max WS	UF_Tr200_D3_int	198.78	332.92	336.31		336.77	0.002776	3.07	1.23	1.00	69.50	35.21	0.64
Intermedio	51.778*	Max WS	UF_Tr200_D6_int	206.64	332.92	336.44		336.88	0.002487	3.01	1.27	0.99	73.99	35.21	0.61
Intermedio	51.722*	Max WS	UF_Tr200_D1_int	148.69	332.78	335.66		336.09	0.003541	2.96	0.86	0.85	52.52	34.16	0.69
Intermedio	51.722*	Max WS	UF_Tr200_D3_int	198.57	332.78	336.30		336.70	0.002216	2.85	1.24	0.96	74.46	34.16	0.57
Intermedio	51.722*	Max WS	UF_Tr200_D6_int	207.44	332.78	336.43		336.82	0.002026	2.82	1.27	0.95	78.88	34.16	0.55
Intermedio	51.667*	Max WS	UF_Tr200_D1_int	147.17	332.64	335.62		335.99	0.002730	2.71	0.96	0.84	56.95	33.10	0.61
Intermedio	51.667*	Max WS	UF_Tr200_D3_int	200.07	332.64	336.29		336.64	0.001843	2.69	1.22	0.91	78.93	33.10	0.53
Intermedio	51.667*	Max WS	UF_Tr200_D6_int	208.80	332.64	336.42		336.77	0.001697	2.67	1.23	0.91	83.29	33.10	0.51
Intermedio	51.611	Max WS	UF_Tr200_D1_int	146.87	332.50	335.61		335.92	0.002118	2.49	0.98	0.82	61.61	32.04	0.55
Intermedio	51.611	Max WS	UF_Tr200_D3_int	207.73	332.50	336.23		336.59	0.001760	2.69	1.20	0.92	81.45	32.04	0.52
Intermedio	51.611	Max WS	UF_Tr200_D6_int	217.63	332.50	336.36		336.71	0.001656	2.69	1.21	0.92	85.50	32.04	0.51
Intermedio	51.556*	Max WS	UF_Tr200_D1_int	146.41	332.56	335.62		335.86	0.002259	2.17		0.49	68.43	46.18	0.54
Intermedio	51.556*	Max WS	UF_Tr200_D3_int	222.08	332.56	336.23		336.51	0.001764	2.36	0.68	0.93	97.84	48.34	0.50
Intermedio	51.556*	Max WS	UF_Tr200_D6_int	235.04	332.56	336.35		336.63	0.001650	2.36	0.72	0.97	103.86	48.34	0.49
Intermedio	51.5	Max WS	UF_Tr200_D1_int	146.67	332.62	335.56	334.76	335.82	0.002725	2.26			65.03	42.41	0.58
Intermedio	51.5	Max WS	UF_Tr200_D3_int	226.69	332.62	336.17	335.43	336.47	0.002457	2.41			94.01	51.40	0.57
Intermedio	51.5	Max WS	UF_Tr200_D6_int	242.42	332.62	336.29	335.51	336.59	0.002356	2.42			100.10	52.70	0.56
Intermedio	51.25		Bridge												
Intermedio	51	Max WS	UF_Tr200_D1_int	146.67	331.54	333.61		334.17	0.007038	3.33			44.05	31.98	0.91
Intermedio	51	Max WS	UF_Tr200_D3_int	226.69	331.54	334.05		334.82	0.007084	3.87			58.57	33.74	0.94
Intermedio	51	Max WS	UF_Tr200_D6_int	242.34	331.54	334.13	334.05	334.93	0.007203	3.96			61.21	34.51	0.95
Intermedio	50.857*	Max WS	UF_Tr200_D1_int	146.94	331.36	333.47		334.05	0.006940	3.38			43.43	30.51	0.91
Intermedio	50.857*	Max WS	UF_Tr200_D3_int	226.75	331.36	333.91	333.86	334.70	0.007479	3.95			57.38	33.60	0.97
Intermedio	50.857*	Max WS	UF_Tr200_D6_int	242.46	331.36	333.98	333.95	334.82	0.007628	4.05			59.93	34.37	0.98
Intermedio	50.714*	Max WS	UF_Tr200_D1_int	147.21	331.18	333.33		333.94	0.006983	3.45			42.63	29.26	0.91
Intermedio	50.714*	Max WS	UF_Tr200_D3_int	226.82	331.18	333.75	333.76	334.59	0.007992	4.05		0.43	56.01	33.88	1.00
Intermedio	50.714*	Max WS	UF_Tr200_D6_int	242.53	331.18	333.83	333.85	334.70	0.008176	4.15		0.57	58.45	34.84	1.02
Intermedio	50.571*	Max WS	UF_Tr200_D1_int	147.48	331.00	333.18	333.12	333.82	0.007450	3.54			41.66	29.13	0.95
Intermedio	50.571*	Max WS	UF_Tr200_D3_int	226.86	331.00	333.59	333.66	334.47	0.009008	4.16		0.22	54.48	34.77	1.06
Intermedio	50.571*	Max WS	UF_Tr200_D6_int	242.50	331.00	333.65	333.75	334.58	0.009197	4.27		0.40	56.80	35.71	1.08
Intermedio	50.429*	Max WS	UF_Tr200_D1_int	147.75	330.82	333.03	333.02	333.71	0.008065	3.65		0.62	40.62	29.98	0.99
Intermedio	50.429*	Max WS	UF_Tr200_D3_int	225.57	330.82	333.40	333.54	334.34	0.009550	4.30		1.25	53.06	36.03	1.10
Intermedio	50.429*	Max WS	UF_Tr200_D6_int	240.68	330.82	333.46	333.61	334.45	0.009727	4.41		1.38	55.24	36.61	1.11
Intermedio	50.286*	Max WS	UF_Tr200_D1_int	148.01	330.64	332.85	332.92	333.56	0.009723	3.72			39.76	32.14	1.07
Intermedio	50.286*	Max WS	UF_Tr200_D3_int	222.51	330.64	333.21	333.34	334.15	0.010304	4.30		0.70	51.86	35.88	1.13
Intermedio	50.286*	Max WS	UF_Tr200_D6_int	236.64	330.64	333.26	333.41	334.25	0.010354	4.40		0.80	53.86	36.15	1.14
Intermedio	50.143*	Max WS	UF_Tr200_D1_int	148.28	330.46	332.65	332.76	333.40	0.010751	3.81			38.88	32.78	1.12
Intermedio	50.143*	Max WS	UF_Tr200_D3_int	221.85	330.46	333.00	333.16	333.98	0.010926	4.38		0.39	50.61	35.27	1.16
Intermedio	50.143*	Max WS	UF_Tr200_D6_int	235.37	330.46	333.05	333.23	334.08	0.010964	4.49		0.52	52.50	35.57	1.17
Intermedio	50	Max WS	UF_Tr200_D1_int	148.56	330.28	332.43	332.61	333.22	0.011795	3.92			37.89	32.76	1.16
Intermedio	50	Max WS	UF_Tr200_D3_int	220.62	330.28	332.78	332.98	333.74	0.011152	4.37		1.29	52.20	43.28	1.17
Intermedio	50	Max WS	UF_Tr200_D6_int	233.42	330.28	332.83	333.05	333.82	0.010991	4.43		1.43	54.58	43.45	1.17
Intermedio	49.800*	Max WS	UF_Tr200_D1_int	148.83	329.93	332.21	332.32	332.95	0.010808	3.80			39.19	33.42	1.12
Intermedio	49.800*	Max WS	UF_Tr200_D3_int	219.17	329.93	332.57	332.74	333.47	0.010280	4.20		0.96	53.11	43.06	1.13
Intermedio	49.800*	Max WS	UF_Tr200_D6_int	231.13	329.93	332.63	332.79	333.54	0.010055	4.25		1.12	55.60	43.32	1.12
Intermedio	49.600*	Max WS	UF_Tr200_D1_int	149.09	329.59	332.02	332.07	332.68	0.009435	3.61			41.28	34.35	1.05
Intermedio	49.600*	Max WS	UF_Tr200_D3_int	218.83	329.59	332.38	332.48	333.20	0.009153	4.00		0.65	55.24	43.07	1.07
Intermedio	49.600*	Max WS	UF_Tr200_D6_int	231.16	329.59	332.44	332.55	333.28	0.008989	4.04		0.84	57.85	43.47	1.06
Intermedio	49.400*	Max WS	UF_Tr200_D1_int	149.13	329.24	331.85	331.81	332.42	0.007750	3.35			44.51	35.74	0.96
Intermedio	49.400*	Max WS	UF_Tr200_D3_int	219.52	329.24	332.22	332.23	332.93	0.007898	3.75		0.40	58.77		

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	49	Max WS	UF_Tr200_D1_int	149.25	328.54	331.61		331.98	0.004828	2.71			55.12	41.47	0.75
Intermedio	49	Max WS	UF_Tr200_D3_int	219.53	328.54	331.96		332.45	0.005441	3.09	0.12		70.96	47.92	0.81
Intermedio	49	Max WS	UF_Tr200_D6_int	232.66	328.54	332.02		332.52	0.005362	3.15	0.19		73.84	47.95	0.81
Valle	48.882	Max WS	UF_Tr200_D1_int	149.44	328.48	331.35		331.86	0.006934	3.15			47.41	37.17	0.89
Valle	48.882	Max WS	UF_Tr200_D3_int	213.64	328.48	331.73		332.32	0.007177	3.40			62.89	45.40	0.92
Valle	48.882	Max WS	UF_Tr200_D6_int	230.61	328.48	331.80		332.42	0.007346	3.48			66.28	47.01	0.94
Valle	48.8		Lat Struct												
Valle	48.78		Lat Struct												
Valle	48.771*	Max WS	UF_Tr200_D1_int	149.38	328.41	331.22		331.72	0.006712	3.14			47.51	37.16	0.89
Valle	48.771*	Max WS	UF_Tr200_D3_int	213.73	328.41	331.59		332.18	0.006933	3.41			62.71	44.62	0.92
Valle	48.771*	Max WS	UF_Tr200_D6_int	230.35	328.41	331.66		332.29	0.007017	3.49	0.12	0.05	65.93	45.92	0.93
Valle	48.661*	Max WS	UF_Tr200_D1_int	149.67	328.34	331.09		331.59	0.006521	3.14			47.65	36.88	0.88
Valle	48.661*	Max WS	UF_Tr200_D3_int	214.29	328.34	331.46		332.06	0.006669	3.42	0.12	0.10	62.59	44.37	0.91
Valle	48.661*	Max WS	UF_Tr200_D6_int	231.03	328.34	331.53	331.43	332.16	0.006606	3.52	0.29	0.40	65.85	46.27	0.91
Valle	48.550*	Max WS	UF_Tr200_D1_int	149.95	328.27	330.97		331.47	0.006302	3.13			47.83	36.37	0.87
Valle	48.550*	Max WS	UF_Tr200_D3_int	214.80	328.27	331.34		331.94	0.006261	3.44	0.29	0.42	62.69	45.37	0.89
Valle	48.550*	Max WS	UF_Tr200_D6_int	231.56	328.27	331.41	331.30	332.05	0.006236	3.54	0.39	0.63	65.93	45.73	0.90
Valle	48.439*	Max WS	UF_Tr200_D1_int	150.23	328.20	330.85		331.35	0.006086	3.13			47.96	35.67	0.86
Valle	48.439*	Max WS	UF_Tr200_D3_int	214.76	328.20	331.22		331.82	0.005834	3.45	0.40	0.65	63.04	44.84	0.87
Valle	48.439*	Max WS	UF_Tr200_D6_int	231.01	328.20	331.29		331.93	0.005812	3.54	0.42	0.82	66.28	45.68	0.87
Valle	48.329*	Max WS	UF_Tr200_D1_int	150.48	328.13	330.73		331.23	0.005902	3.13			48.00	34.92	0.85
Valle	48.329*	Max WS	UF_Tr200_D3_int	216.17	328.13	331.11		331.72	0.005497	3.48	0.46	0.85	63.63	44.64	0.85
Valle	48.329*	Max WS	UF_Tr200_D6_int	232.29	328.13	331.18	331.05	331.82	0.005490	3.57	0.37	0.99	67.16	51.01	0.86
Valle	48.218*	Max WS	UF_Tr200_D1_int	150.76	328.06	330.61		331.12	0.005730	3.14		0.13	47.96	35.08	0.85
Valle	48.218*	Max WS	UF_Tr200_D3_int	218.32	328.06	331.00	330.86	331.62	0.005207	3.51	0.34	1.02	65.19	58.43	0.84
Valle	48.218*	Max WS	UF_Tr200_D6_int	234.88	328.06	331.07	330.98	331.72	0.005205	3.61	0.53	1.14	69.49	60.28	0.84
Valle	48.107*	Max WS	UF_Tr200_D1_int	150.98	327.98	330.51		331.01	0.005333	3.16	0.22	0.36	48.42	41.49	0.82
Valle	48.107*	Max WS	UF_Tr200_D3_int	218.64	327.98	330.90	330.83	331.51	0.004768	3.49	0.59	1.16	68.90	66.08	0.81
Valle	48.107*	Max WS	UF_Tr200_D6_int	235.18	327.98	330.98	330.95	331.60	0.004750	3.58	0.75	1.26	73.69	66.08	0.81
Valle	47.996*	Max WS	UF_Tr200_D1_int	151.21	327.91	330.41		330.91	0.004908	3.16	0.28	0.62	49.37	43.03	0.80
Valle	47.996*	Max WS	UF_Tr200_D3_int	218.24	327.91	330.82	330.77	331.37	0.004201	3.41	0.84	1.25	74.53	68.60	0.77
Valle	47.996*	Max WS	UF_Tr200_D6_int	234.63	327.91	330.89	330.84	331.46	0.004174	3.48	0.96	1.35	79.53	68.60	0.77
Valle	47.886*	Max WS	UF_Tr200_D1_int	150.89	327.84	330.31		330.81	0.004480	3.16	0.49	0.82	50.47	40.53	0.77
Valle	47.886*	Max WS	UF_Tr200_D3_int	217.30	327.84	330.74		331.23	0.003562	3.27	1.01	1.32	81.82	71.12	0.71
Valle	47.886*	Max WS	UF_Tr200_D6_int	234.02	327.84	330.81		331.31	0.003555	3.34	1.11	1.40	87.00	71.12	0.72
Valle	47.775	Max WS	UF_Tr200_D1_int	150.14	327.77	330.23	330.12	330.69	0.003796	3.09	0.61	0.98	57.73	69.99	0.72
Valle	47.775	Max WS	UF_Tr200_D3_int	218.35	327.77	330.68		331.10	0.002968	3.15	1.12	1.36	90.77	75.11	0.66
Valle	47.775	Max WS	UF_Tr200_D6_int	235.51	327.77	330.76		331.19	0.002956	3.21	1.20	1.43	96.58	75.41	0.66
Valle	47.664*	Max WS	UF_Tr200_D1_int	149.88	327.63	330.16	329.89	330.56	0.003226	2.90	0.82	0.96	62.84	74.47	0.66
Valle	47.664*	Max WS	UF_Tr200_D3_int	218.20	327.63	330.65		331.00	0.002358	2.88	1.11	1.29	99.29	74.47	0.59
Valle	47.664*	Max WS	UF_Tr200_D6_int	235.34	327.63	330.73		331.09	0.002358	2.95	1.19	1.36	105.17	74.47	0.59
Valle	47.554*	Max WS	UF_Tr200_D1_int	148.86	327.48	330.10		330.45	0.002622	2.72	0.86	0.94	68.44	75.29	0.60
Valle	47.554*	Max WS	UF_Tr200_D3_int	220.18	327.48	330.64		330.93	0.001898	2.70	1.09	1.24	108.48	75.29	0.53
Valle	47.554*	Max WS	UF_Tr200_D6_int	237.86	327.48	330.71		331.02	0.001928	2.77	1.16	1.31	114.24	75.29	0.54
Valle	47.443*	Max WS	UF_Tr200_D1_int	151.30	327.34	330.07		330.36	0.002155	2.57	0.71	0.94	75.64	76.11	0.55
Valle	47.443*	Max WS	UF_Tr200_D3_int	225.53	327.34	330.61		330.88	0.001619	2.59	1.09	1.22	117.21	76.11	0.50
Valle	47.443*	Max WS	UF_Tr200_D6_int	243.66	327.34	330.69		330.97	0.001660	2.67	1.16	1.28	122.92	76.11	0.51
Valle	47.332*	Max WS	UF_Tr200_D1_int	151.53	327.20	330.06		330.30	0.001643	2.36	0.73	0.92	85.07	76.93	0.49
Valle	47.332*	Max WS	UF_Tr200_D3_int	222.79	327.20	330.63		330.84	0.001224	2.35	1.03	1.14	128.87	76.93	0.44
Valle	47.332*	Max WS	UF_Tr200_D6_int	239.14	327.20	330.71		330.93	0.001240	2.41	1.09	1.19	134.99	76.93	0.44
Valle	47.222*	Max WS	UF_Tr200_D1_int	151.77	327.05	330.06		330.25	0.001245	2.15	0.74	0.88	95.55	77.76	0.43
Valle	47.222*	Max WS	UF_Tr200_D3_int	216.00	327.05	330.65		330.82	0.000891	2.09	0.96	1.04	141.57	77.76	0.38
Valle	47.222*	Max WS	UF_Tr200_D6_int	230.78	327.05	330.73		330.90	0.000896	2.13	1.00	1.08	148.09	77.76	0.38
Valle	47.111	Max WS	UF_Tr200_D1_int	150.65	326.91	330.07		330.22	0.000931	1.94	0.73	0.84	106.76	78.58	0.38
Valle	47.111	Max WS	UF_Tr200_D3_int	198.66	326.91	330.69		330.81	0.000579	1.76	0.84	0.90	155.93	78.58	0.31
Valle	47.111	Max WS	UF_Tr200_D6_int	209.58	326.91	330.79		330.90	0.000566	1.77	0.87	0.92	163.12	78.58	0.30
Valle	47	Max WS	UF_Tr200_D1_int	152.84	326.56	329.95	328.68	330.20	0.001339	2.20			69.55	27.06	0.44
Valle	47	Max WS	UF_Tr200_D3_int	191.86	326.56	330.57	328.97	330.82	0.001128	2.21			86.80	29.21	0.41
Valle	47	Max WS	UF_Tr200_D6_int	198.04	326.56	330.67	329.02	330.92	0.001095	2.21			89.72	29.56	0.40
Valle	46.5		Bridge												
Valle	46	Max WS	UF_Tr200_D1_int	152.84	326.08	328.41		328.99	0.005386	3.39			45.04	26.64	0.83
Valle	46	Max WS	UF_Tr200_D3_int	191.86	326.08	328.66	328.78	329.31	0.005256	3.61	0.29	0.65	59.78	89.75	0.84
Valle	46	Max WS	UF_Tr200_D6_int	198.00	326.08	328.70	328.82	329.34	0.005082	3.60	0.42	0.74	63.59	90.14	0.83
Valle	45.99		Lat Struct												
Valle	45.857*	Max WS	UF_Tr200_D1_int	153.29	325.94	328.30		328.90	0.006229	3.45			44.48	29.07	0.89
Valle	45.857*	Max WS	UF_Tr200_D3_int	194.04	325.94	328.55	328.65	329.23	0.006061	3.67		0.69	56.39	55.09	0.89
Valle	45.857*	Max WS	UF_Tr200_D6_int	200.64	325.94	328.60	328.69	329.27	0.005913	3.67	0.11	0.79	59.08	74.24	0.89
Valle	45.714*	Max WS	UF_Tr200_D1_int	153.56	325.80	328.17		328.79	0.007124	3.50			43.91	31.10	0.94
Valle	45.714*	Max WS	UF_Tr200_D3_int	194.48	325.80	328.43	328.43	329.12	0.006759	3.69		0.67	54.22	45.17	0.93
Valle	45.714*	Max WS	UF_Tr200_D6_int	201.44	325.80	328.48	328.47	329.17	0.006575	3.70		0.79	56.41	45.39	0.92
Valle	45.571	Max WS	UF_Tr200_D1_int	153.82	325.66	328.02	327.99	328.66	0.007750	3.54			43.47	32.01	0.97
Valle	45.571	Max WS	UF_Tr200_D3_int	193.94	325.66	328.29	328.24	328.99	0.007346	3.69			52.54	34.81	0.96
Valle	45.571	Max WS	UF_Tr200_D6_int	200.58	325.66	328.34	328.28	329.04	0.007103	3.69			54.37	35.10	0.95
Valle	45.428*	Max WS	UF_Tr200_D1_int	154.08	325.52	327.88	327.82	328.46	0.007427	3.38			45.54	34.97	0.95
Valle	45.428*	Max WS	UF_Tr200_D3_int	193.80	325.52	328.16		328.77	0.006499	3.48			55.77	37.02	0.90
Valle	45.428*	Max WS	UF_Tr200_D6_int	201.02	325.52	328.22		328.83	0.006220	3.47			57.95	37.27	0.89
Valle	45.286*	Max WS	UF_Tr200_D1_int	154.34	325.37	327.74		328.27	0.007015	3.23			47.74	37.75	0.92
Valle	45.286*	Max WS	UF_Tr200_D3_int	194.52	325.37	328.05	327.88	328.54	0.005230	3.17	0.92		65.99	60.37	0.81
Valle	45.286*	Max WS	UF_Tr200_D6_int	202.19	325.37	328.11		328.59							

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Valle	45.143*	Max WS	UF_Tr200_D1_int	154.37	325.23	327.62	327.55	328.04	0.005763	2.95	0.95		56.89	62.14	0.83
Valle	45.143*	Max WS	UF_Tr200_D3_int	193.86	325.23	327.96		328.32	0.003717	2.75	1.24		78.60	64.18	0.69
Valle	45.143*	Max WS	UF_Tr200_D6_int	202.51	325.23	328.03		328.38	0.003430	2.72	1.27		83.31	64.44	0.67
Valle	45.000	Max WS	UF_Tr200_D1_int	153.84	325.09	327.53		327.85	0.003433	2.64	1.17	0.87	69.18	66.82	0.67
Valle	45.000	Max WS	UF_Tr200_D3_int	193.98	325.09	327.94		328.19	0.002114	2.42	1.28	1.08	96.87	68.03	0.54
Valle	45.000	Max WS	UF_Tr200_D6_int	203.15	325.09	328.02		328.27	0.001963	2.39	1.29	1.10	102.56	68.28	0.53
Valle	44.857*	Max WS	UF_Tr200_D1_int	155.19	324.79	327.46		327.79	0.003036	2.57	0.54	0.73	65.88	64.52	0.64
Valle	44.857*	Max WS	UF_Tr200_D3_int	197.57	324.79	327.87		328.15	0.002052	2.45	0.88	1.01	93.48	68.13	0.54
Valle	44.857*	Max WS	UF_Tr200_D6_int	207.32	324.79	327.96		328.23	0.001923	2.43	0.92	1.05	99.25	68.38	0.53
Valle	44.714*	Max WS	UF_Tr200_D1_int	155.46	324.50	327.42		327.70	0.002120	2.59	1.42	1.01	75.63	54.39	0.55
Valle	44.714*	Max WS	UF_Tr200_D3_int	201.04	324.50	327.84		328.12	0.001814	2.69	1.23	1.15	101.08	68.31	0.53
Valle	44.714*	Max WS	UF_Tr200_D6_int	211.62	324.50	327.92		328.20	0.001738	2.68	1.26	1.19	106.65	68.55	0.52
Valle	44.571	Max WS	UF_Tr200_D1_int	155.71	324.20	327.46		327.63	0.001191	2.08	1.12	0.78	95.40	62.41	0.42
Valle	44.571	Max WS	UF_Tr200_D3_int	201.59	324.20	327.88		328.05	0.001015	2.13	1.24	0.86	122.76	68.08	0.40
Valle	44.571	Max WS	UF_Tr200_D6_int	212.07	324.20	327.96		328.14	0.000994	2.14	1.26	0.89	128.38	68.73	0.40
Valle	44.428*	Max WS	UF_Tr200_D1_int	155.97	324.12	327.43		327.61	0.001156	2.05	1.12	0.78	93.87	58.77	0.42
Valle	44.428*	Max WS	UF_Tr200_D3_int	201.66	324.12	327.85		328.03	0.001008	2.13	1.24	0.89	119.32	62.86	0.40
Valle	44.428*	Max WS	UF_Tr200_D6_int	212.14	324.12	327.93		328.12	0.000994	2.15	1.26	0.91	124.47	63.66	0.40
Valle	44.286*	Max WS	UF_Tr200_D1_int	156.22	324.05	327.43		327.58	0.000928	1.87	1.02	0.70	103.54	63.92	0.37
Valle	44.286*	Max WS	UF_Tr200_D3_int	201.72	324.05	327.86		328.01	0.000807	1.93	1.13	0.82	131.35	67.48	0.36
Valle	44.286*	Max WS	UF_Tr200_D6_int	212.28	324.05	327.94		328.10	0.000798	1.95	1.16	0.84	136.89	68.17	0.36
Valle	44.143*	Max WS	UF_Tr200_D1_int	156.48	323.98	327.44		327.56	0.000741	1.70	0.93	0.63	114.09	69.23	0.34
Valle	44.143*	Max WS	UF_Tr200_D3_int	201.75	323.98	327.87		327.98	0.000647	1.76	1.03	0.74	144.34	72.47	0.32
Valle	44.143*	Max WS	UF_Tr200_D6_int	212.01	323.98	327.95		328.08	0.000638	1.78	1.05	0.76	150.38	73.10	0.32
Valle	44	Max WS	UF_Tr200_D1_int	156.74	323.90	327.44		327.54	0.000577	1.54	0.86	0.55	125.96	73.31	0.30
Valle	44	Max WS	UF_Tr200_D3_int	201.13	323.90	327.87		327.98	0.000515	1.60	0.85	0.67	161.57	80.60	0.29
Valle	44	Max WS	UF_Tr200_D6_int	210.46	323.90	327.96		328.06	0.000502	1.61	0.87	0.69	168.47	81.20	0.29
Valle	43	Max WS	UF_Tr200_D1_int	156.81	323.83	327.32	326.51	327.57	0.001896	2.22			70.55	34.18	0.49
Valle	43	Max WS	UF_Tr200_D3_int	201.14	323.83	327.72	326.75	328.01	0.001767	2.38			84.58	34.79	0.49
Valle	43	Max WS	UF_Tr200_D6_int	210.47	323.83	327.80	326.80	328.10	0.001748	2.41			87.38	34.87	0.49
Valle	42.5		Bridge												
Valle	42	Max WS	UF_Tr200_D1_int	156.81	323.83	327.09		327.40	0.002751	2.50			62.68	33.78	0.59
Valle	42	Max WS	UF_Tr200_D3_int	201.14	323.83	327.46		327.82	0.002514	2.66			75.58	34.43	0.57
Valle	42	Max WS	UF_Tr200_D6_int	210.48	323.83	327.54		327.91	0.002470	2.69			78.24	34.57	0.57
Valle	41	Max WS	UF_Tr200_D1_int	156.84	323.83	327.08	326.51	327.40	0.002787	2.51			62.42	33.77	0.59
Valle	41	Max WS	UF_Tr200_D3_int	201.14	323.83	327.46	326.75	327.82	0.002539	2.67			75.34	34.42	0.58
Valle	41	Max WS	UF_Tr200_D6_int	210.49	323.83	327.53	326.80	327.91	0.002494	2.70			78.01	34.56	0.57
Valle	40.5		Bridge												
Valle	40	Max WS	UF_Tr200_D1_int	156.83	323.83	326.30	326.51	327.24	0.015647	4.30			36.43	32.80	1.30
Valle	40	Max WS	UF_Tr200_D3_int	201.14	323.83	326.50	326.75	327.61	0.014794	4.65			43.26	33.05	1.30
Valle	40	Max WS	UF_Tr200_D6_int	210.49	323.83	326.55	326.80	327.68	0.014497	4.70			44.78	33.11	1.29
Valle	39.9		Lat Struct												
Valle	38.607*	Max WS	UF_Tr200_D1_int	157.10	323.60	326.01	326.19	326.90	0.013281	4.16			37.73	31.84	1.22
Valle	38.607*	Max WS	UF_Tr200_D3_int	201.20	323.60	326.23	326.43	327.26	0.012593	4.49			44.76	32.16	1.22
Valle	38.607*	Max WS	UF_Tr200_D6_int	210.62	323.60	326.29	326.49	327.34	0.012261	4.53			46.45	32.23	1.21
Valle	37.214*	Max WS	UF_Tr200_D1_int	157.36	323.37	325.78	325.87	326.57	0.010524	3.94			39.95	30.99	1.11
Valle	37.214*	Max WS	UF_Tr200_D3_int	201.26	323.37	326.01	326.12	326.94	0.010214	4.27			47.08	31.39	1.11
Valle	37.214*	Max WS	UF_Tr200_D6_int	210.76	323.37	326.07	326.17	327.02	0.009927	4.31			48.91	31.49	1.10
Valle	35.822*	Max WS	UF_Tr200_D1_int	157.63	323.14	325.60	325.59	326.28	0.007947	3.66			43.04	30.32	0.98
Valle	35.822*	Max WS	UF_Tr200_D3_int	201.33	323.14	325.83	325.84	326.65	0.008064	4.02			50.10	30.90	1.01
Valle	35.822*	Max WS	UF_Tr200_D6_int	210.89	323.14	325.89	325.89	326.73	0.007865	4.05			52.04	31.06	1.00
Valle	34.429*	Max WS	UF_Tr200_D1_int	157.89	322.91	325.46		326.04	0.005956	3.37			46.78	30.10	0.86
Valle	34.429*	Max WS	UF_Tr200_D3_int	201.39	322.91	325.69		326.41	0.006323	3.75			53.68	30.65	0.91
Valle	34.429*	Max WS	UF_Tr200_D6_int	210.71	322.91	325.75		326.48	0.006161	3.78			55.69	30.71	0.90
Valle	33.036*	Max WS	UF_Tr200_D1_int	158.15	322.68	325.36		325.85	0.004493	3.11			50.89	29.77	0.76
Valle	33.036*	Max WS	UF_Tr200_D3_int	201.46	322.68	325.58		326.20	0.005206	3.50			57.49	31.26	0.83
Valle	33.036*	Max WS	UF_Tr200_D6_int	210.83	322.68	325.64		326.28	0.005170	3.54			59.60	31.78	0.82
Valle	31.643	Max WS	UF_Tr200_D1_int	158.42	322.45	325.28		325.68	0.003880	2.81	0.04		56.40	35.22	0.70
Valle	31.643	Max WS	UF_Tr200_D3_int	201.52	322.45	325.48	325.13	325.98	0.004416	3.15	0.47	0.06	66.71	62.20	0.75
Valle	31.643	Max WS	UF_Tr200_D6_int	210.74	322.45	325.55	325.19	326.05	0.004192	3.15	0.62	0.25	71.17	65.96	0.74
Valle	30.250	Max WS	UF_Tr200_D1_int	158.69	322.79	325.19		325.70	0.005426	3.18	0.05		49.87	34.76	0.83
Valle	30.250	Max WS	UF_Tr200_D3_int	201.58	322.79	325.38	325.33	326.01	0.005844	3.54	0.59	0.30	59.90	66.36	0.88
Valle	30.250	Max WS	UF_Tr200_D6_int	210.30	322.79	325.46	325.46	326.07	0.005358	3.50	0.72	0.47	65.29	72.28	0.85
Valle	28.857	Max WS	UF_Tr200_D1_int	158.96	321.88	325.08		325.64	0.005540	3.34		0.89	48.60	33.46	0.83
Valle	28.857	Max WS	UF_Tr200_D3_int	201.65	321.88	325.26	325.22	325.98	0.006820	3.77		1.08	55.19	40.62	0.92
Valle	28.857	Max WS	UF_Tr200_D6_int	210.32	321.88	325.35	325.25	326.05	0.006276	3.73		0.94	58.96	44.37	0.89
Valle	27.464*	Max WS	UF_Tr200_D1_int	159.23	321.87	324.97	324.78	325.57	0.005968	3.45	0.26	0.81	47.84	55.24	0.86
Valle	27.464*	Max WS	UF_Tr200_D3_int	201.70	321.87	325.13	325.31	325.88	0.006808	3.88	0.76	0.78	58.12	69.81	0.93
Valle	27.464*	Max WS	UF_Tr200_D6_int	209.72	321.87	325.24	325.35	325.91	0.005844	3.73	0.93	0.80	65.55	76.29	0.87
Valle	26.072*	Max WS	UF_Tr200_D1_int	159.48	321.86	324.85	324.73	325.51	0.006149	3.59	0.38	0.62	46.45	52.67	0.89
Valle	26.072*	Max WS	UF_Tr200_D3_int	201.61	321.86	325.00	325.23	325.81	0.007080	4.06	0.77	0.76	57.05	77.07	0.96
Valle	26.072*	Max WS	UF_Tr200_D6_int	207.96	321.86	325.12	325.25	325.80	0.005613	3.78	0.96	0.95	66.51	77.36	0.87
Valle	24.679*	Max WS	UF_Tr200_D1_int	159.76	321.84	324.74	324.91	325.43	0.006276	3.73	0.50	0.59	47.10	65.85	0.90
Valle	24.679*	Max WS	UF_Tr200_D3_int	201.53	321.84	324.86	325.11	325.74	0.007437	4.25	0.77	0.98	56.13	75.37	0.99
Valle	24.679*	Max WS	UF_Tr200_D6_int	204.84	321.84	325.02	325.12	325.68	0.005240	3.77	0.99	1.13	68.15	75.95	0.85
Valle	23.286	Max WS	UF_Tr200_D1_int	159.99	321.83	324.61	324.81	325.42	0.006880	4.00	0.60	0.49	42.53	48.04	0.95
Valle	23.286	Max WS	UF_Tr200_D3_int	200.88	321.83	324.70	325.06	325.81	0.008932	4.72	0.78	0.88	47.47	57.39	1.09
Valle	23.286	Max WS	UF_Tr200_D6_int	201.09	321.83	324.91	325.06	325.69	0.005689	4.04	1.09	1.14	59.61	58.08	0.89</

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Valle	21.893*	Max WS	UF_Tr200_D6_int	192.65	321.67	324.82	324.85	325.36	0.004061	3.49	0.95	1.22	71.82	73.67	0.75
Valle	20.500*	Max WS	UF_Tr200_D1_int	32.70	321.50	324.57		324.59	0.000149	0.65	0.14	0.20	62.56	71.77	0.14
Valle	20.500*	Max WS	UF_Tr200_D3_int	62.95	321.50	324.59		324.66	0.000529	1.24	0.27	0.39	63.83	71.83	0.27
Valle	20.500*	Max WS	UF_Tr200_D6_int	186.54	321.50	324.75	324.68	325.21	0.003269	3.23	0.91	1.18	75.31	72.41	0.68
Valle	19.107*	Max WS	UF_Tr200_D1_int	37.76	321.34	324.56		324.58	0.000147	0.68	0.17	0.24	70.51	70.72	0.14
Valle	19.107*	Max WS	UF_Tr200_D3_int	66.85	321.34	324.58		324.64	0.000445	1.20	0.31	0.42	71.76	70.80	0.25
Valle	19.107*	Max WS	UF_Tr200_D6_int	182.46	321.34	324.70		325.09	0.002594	2.99	0.89	1.13	80.11	71.06	0.61
Valle	17.715*	Max WS	UF_Tr200_D1_int	44.37	321.18	324.55		324.57	0.000156	0.74	0.21	0.28	77.93	69.63	0.15
Valle	17.715*	Max WS	UF_Tr200_D3_int	71.98	321.18	324.56		324.63	0.000397	1.18	0.34	0.45	78.97	69.63	0.24
Valle	17.715*	Max WS	UF_Tr200_D6_int	183.18	321.18	324.67		325.01	0.002096	2.79	0.89	1.11	86.31	69.63	0.55
Valle	16.322*	Max WS	UF_Tr200_D1_int	52.13	321.01	324.54		324.56	0.000168	0.80	0.25	0.32	84.89	68.21	0.16
Valle	16.322*	Max WS	UF_Tr200_D3_int	77.99	321.01	324.55		324.61	0.000368	1.19	0.37	0.47	85.81	68.21	0.23
Valle	16.322*	Max WS	UF_Tr200_D6_int	184.85	321.01	324.65		324.95	0.001732	2.64	0.90	1.09	92.38	68.21	0.51
Valle	14.929*	Max WS	UF_Tr200_D1_int	60.08	320.85	324.52		324.56	0.000179	0.86	0.29	0.35	91.45	66.79	0.16
Valle	14.929*	Max WS	UF_Tr200_D3_int	84.36	320.85	324.54		324.60	0.000346	1.20	0.40	0.49	92.27	66.79	0.23
Valle	14.929*	Max WS	UF_Tr200_D6_int	185.94	320.85	324.62		324.89	0.001445	2.50	0.89	1.06	98.15	66.79	0.47
Valle	13.536*	Max WS	UF_Tr200_D1_int	66.60	320.68	324.51		324.55	0.000172	0.88	0.31	0.37	100.83	68.00	0.16
Valle	13.536*	Max WS	UF_Tr200_D3_int	89.21	320.68	324.53		324.59	0.000301	1.17	0.41	0.50	101.78	68.00	0.21
Valle	13.536*	Max WS	UF_Tr200_D6_int	189.21	320.68	324.63		324.85	0.001160	2.34	0.87	1.03	108.37	68.00	0.42
Valle	12.143	Max WS	UF_Tr200_D1_int	73.51	320.52	324.50		324.54	0.000179	0.93	0.34	0.39	103.87	63.94	0.17
Valle	12.143	Max WS	UF_Tr200_D3_int	94.49	320.52	324.52		324.58	0.000290	1.19	0.44	0.49	104.73	63.94	0.21
Valle	12.143	Max WS	UF_Tr200_D6_int	188.79	320.52	324.62		324.83	0.000993	2.24	0.87	0.95	111.35	63.94	0.39
Valle	10.750*	Max WS	UF_Tr200_D1_int	79.99	320.33	324.48		324.53	0.000200	1.03	0.30	0.46	97.00	56.17	0.18
Valle	10.750*	Max WS	UF_Tr200_D3_int	99.54	320.33	324.49		324.57	0.000306	1.28	0.38	0.57	97.55	56.17	0.22
Valle	10.750*	Max WS	UF_Tr200_D6_int	186.97	320.33	324.58		324.82	0.000959	2.30	0.73	1.05	102.55	56.17	0.39
Valle	9.357*	Max WS	UF_Tr200_D1_int	91.01	320.13	324.45		324.52	0.000232	1.16	0.25	0.55	93.14	48.40	0.19
Valle	9.357*	Max WS	UF_Tr200_D3_int	109.79	320.13	324.46		324.55	0.000335	1.40	0.31	0.66	93.37	48.40	0.23
Valle	9.357*	Max WS	UF_Tr200_D6_int	192.43	320.13	324.52		324.79	0.000956	2.39	0.57	1.14	96.50	48.40	0.39
Valle	7.964	Max WS	UF_Tr200_D1_int	101.67	319.94	324.42		324.49	0.000242	1.23	0.36	0.61	94.62	33.74	0.20
Valle	7.964	Max WS	UF_Tr200_D3_int	125.29	319.94	324.41		324.52	0.000370	1.52	0.45	0.76	94.39	33.71	0.25
Valle	7.964	Max WS	UF_Tr200_D6_int	214.77	319.94	324.41		324.72	0.001093	2.61	0.77	1.30	94.16	33.68	0.42
Valle	6.5712*	Max WS	UF_Tr200_D1_int	108.95	319.75	324.43		324.48	0.000142	1.03	0.36	0.53	125.43	40.05	0.16
Valle	6.5712*	Max WS	UF_Tr200_D3_int	137.14	319.75	324.42		324.50	0.000227	1.30	0.46	0.67	125.12	40.05	0.20
Valle	6.5712*	Max WS	UF_Tr200_D6_int	245.12	319.75	324.40		324.64	0.000741	2.33	0.81	1.20	124.13	40.05	0.36
Valle	5.1784	Max WS	UF_Tr200_D1_int	88.65	319.57	324.46	320.87	324.48	0.000057	0.69	0.31	0.36	148.98	37.53	0.10
Valle	5.1784	Max WS	UF_Tr200_D3_int	120.45	319.57	324.46	321.17	324.50	0.000104	0.94	0.42	0.48	148.98	37.53	0.14
Valle	5.1784	Max WS	UF_Tr200_D6_int	241.22	319.57	324.46	321.99	324.62	0.000419	1.89	0.85	0.97	148.98	37.53	0.28



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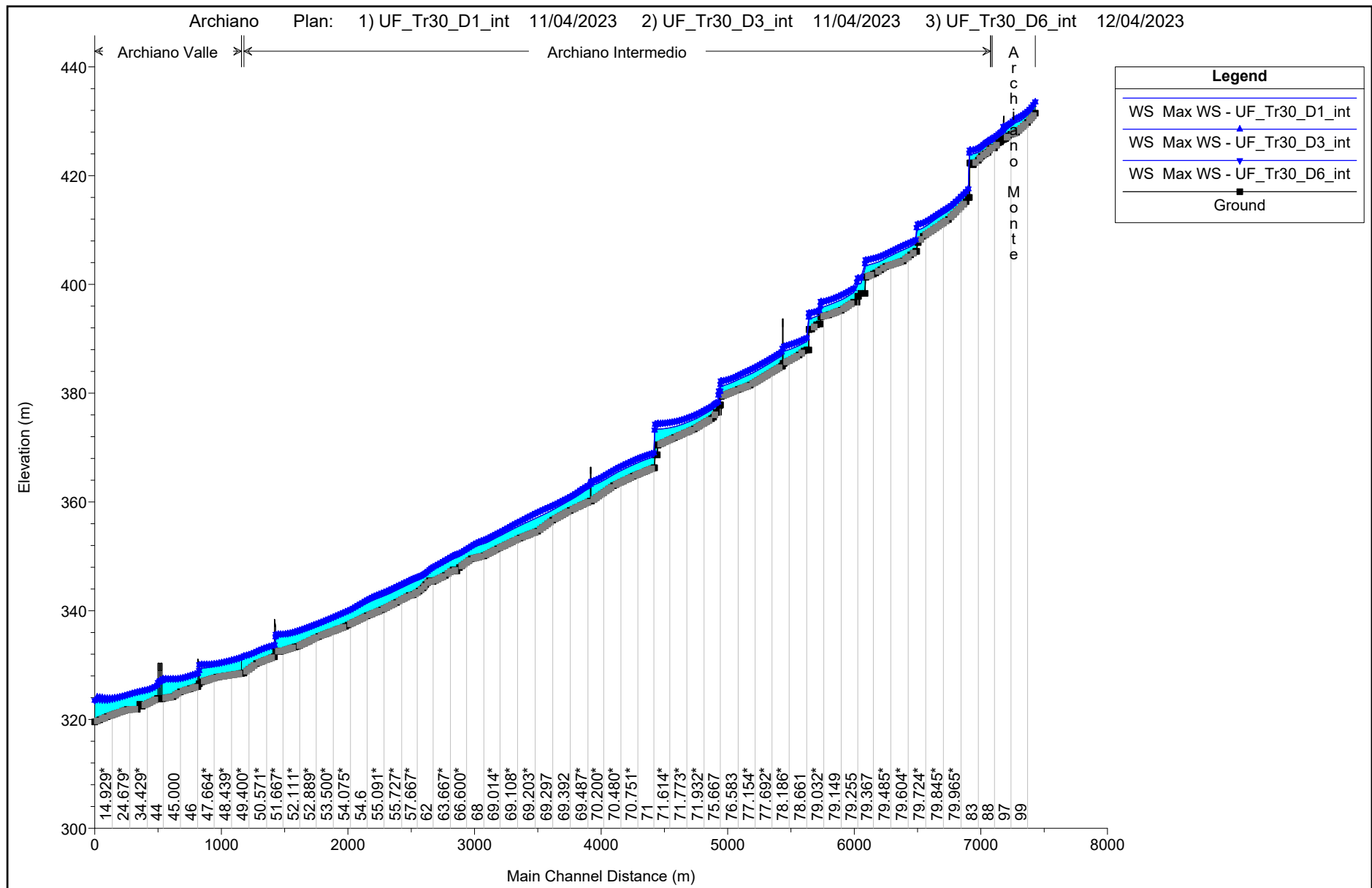
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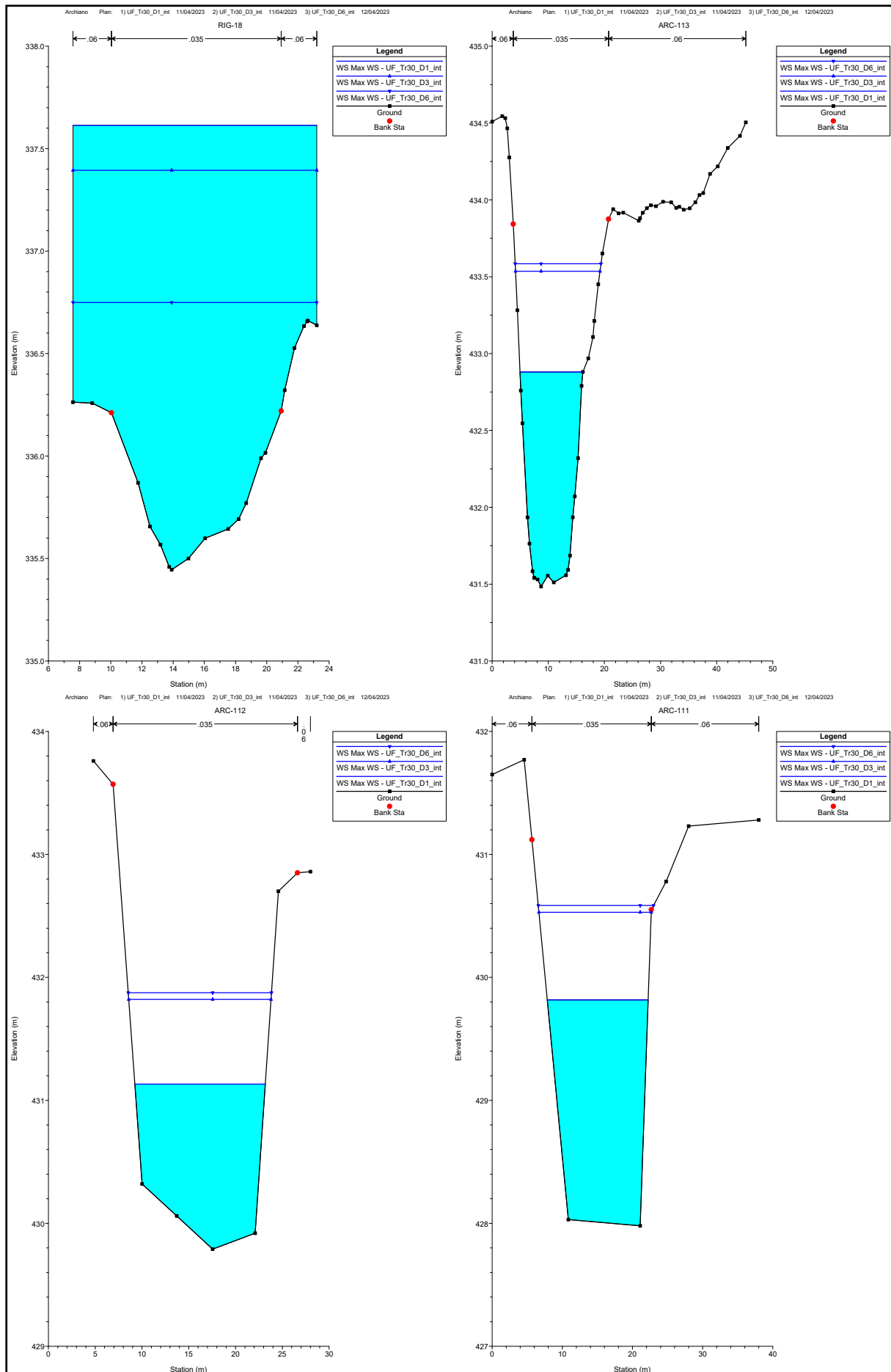
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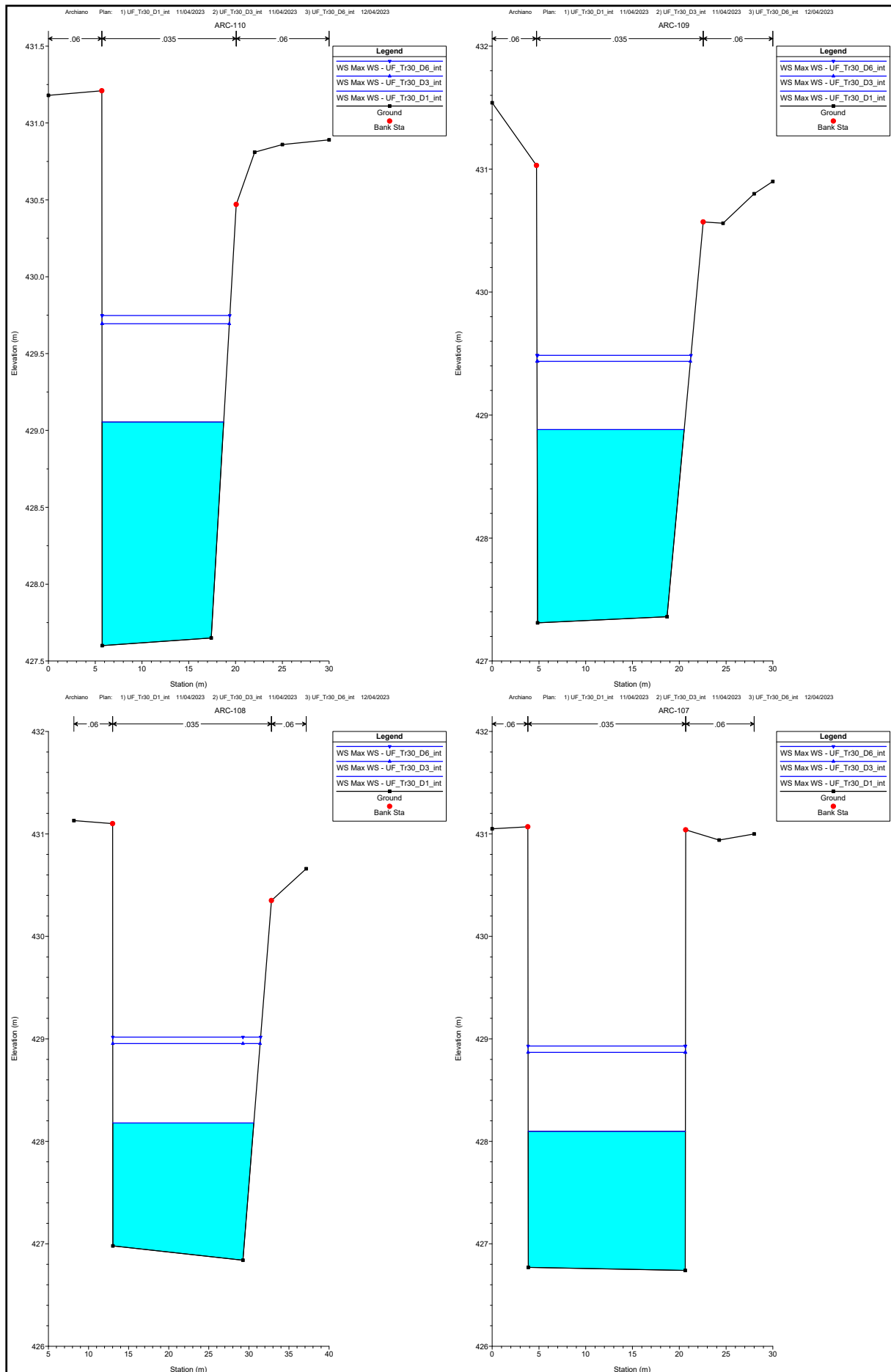
ARCHIANO

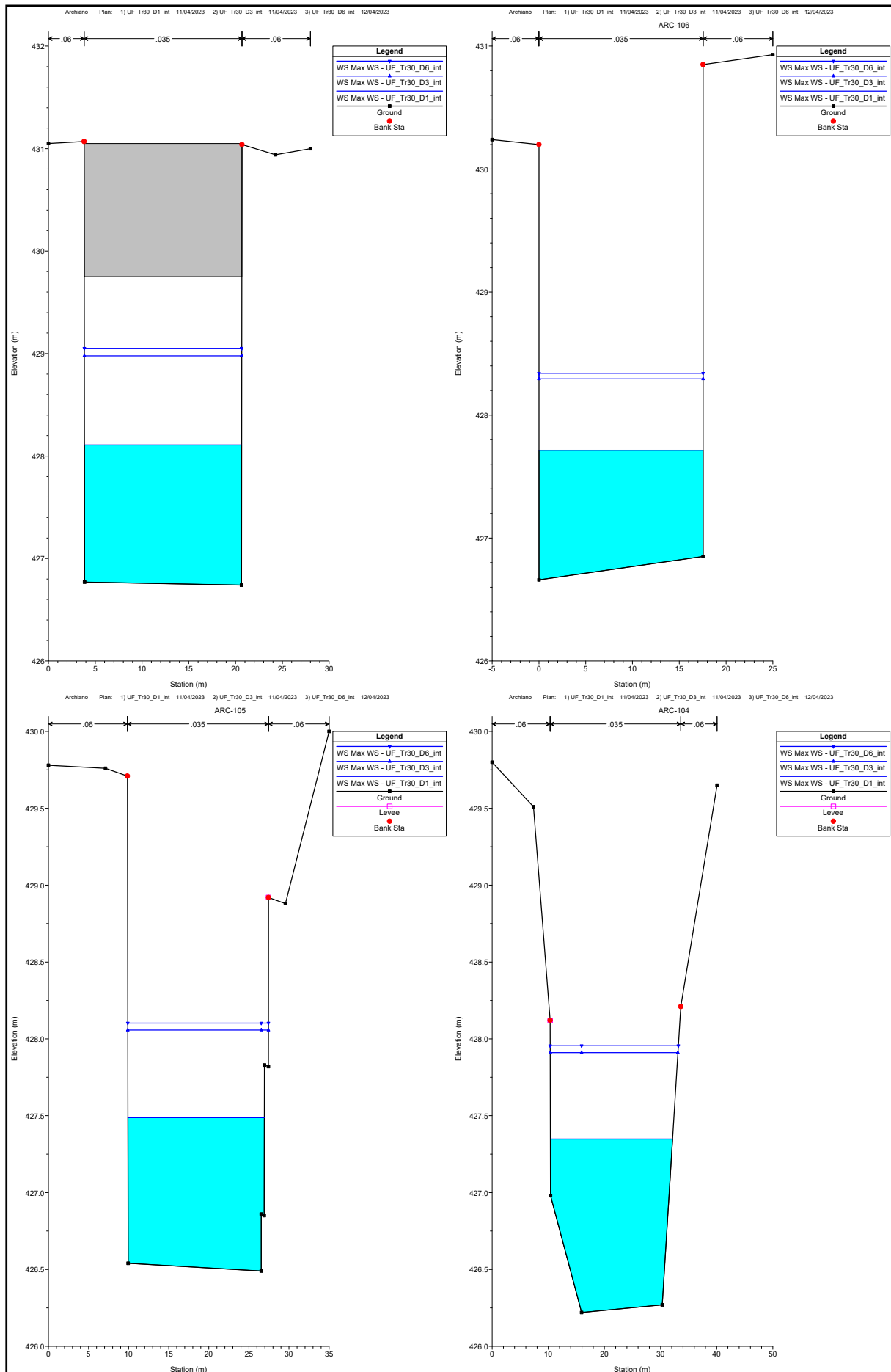
MODELLAZIONE PER TR= 30 anni

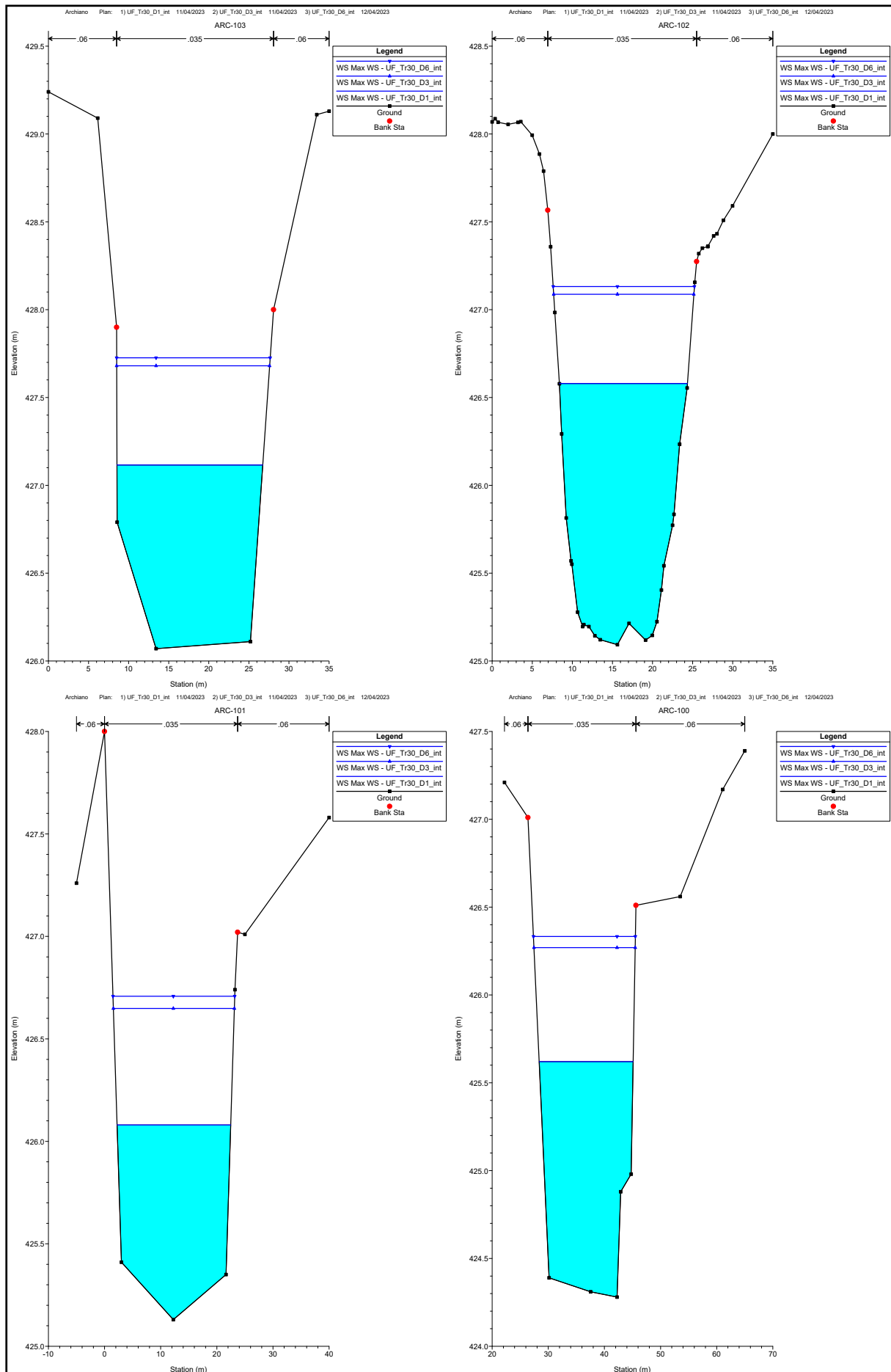
DURATE DI PIOGGIA: 1, 3 e 6 h

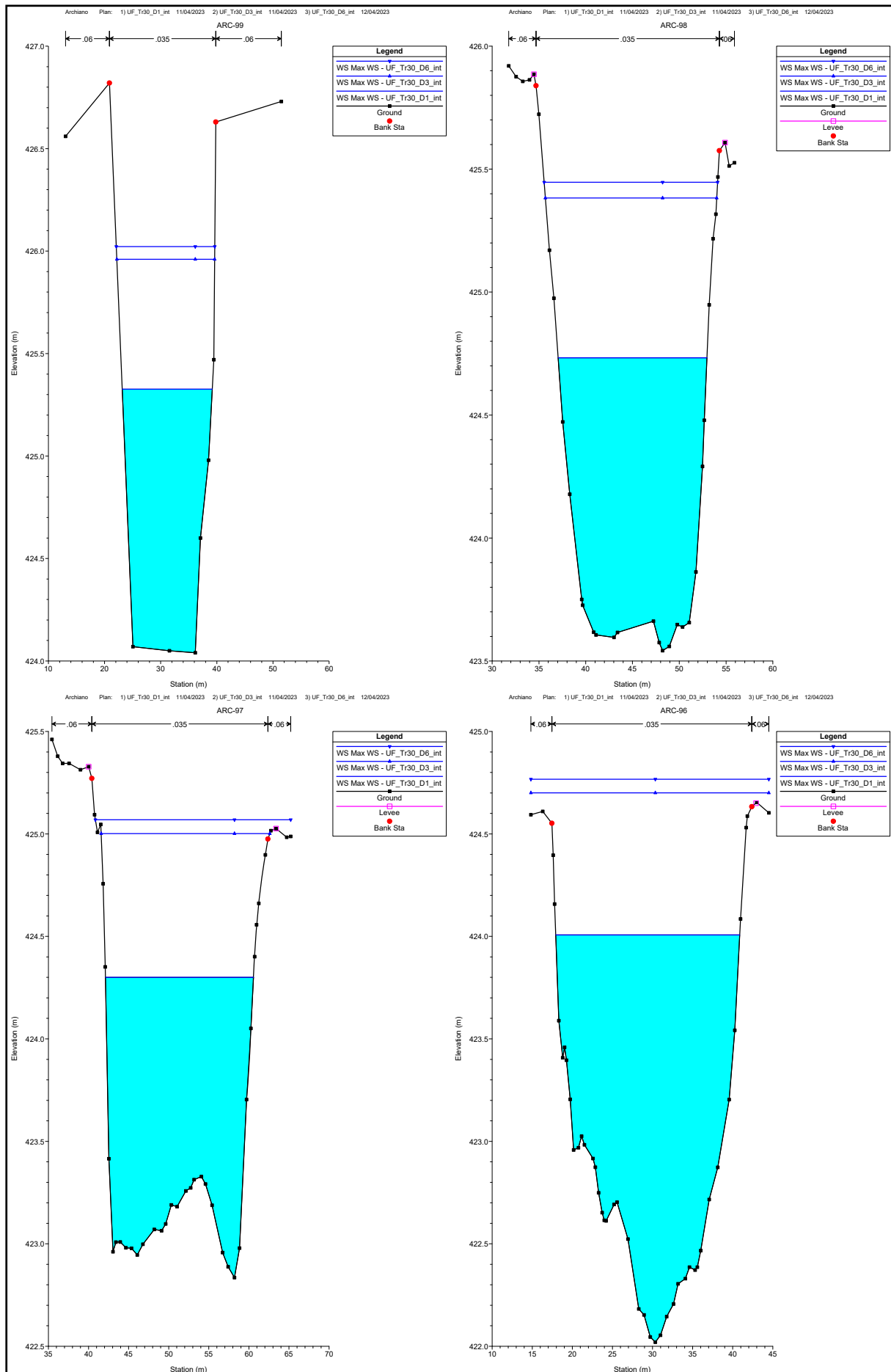
Sezioni Trasversali (da monte verso valle)

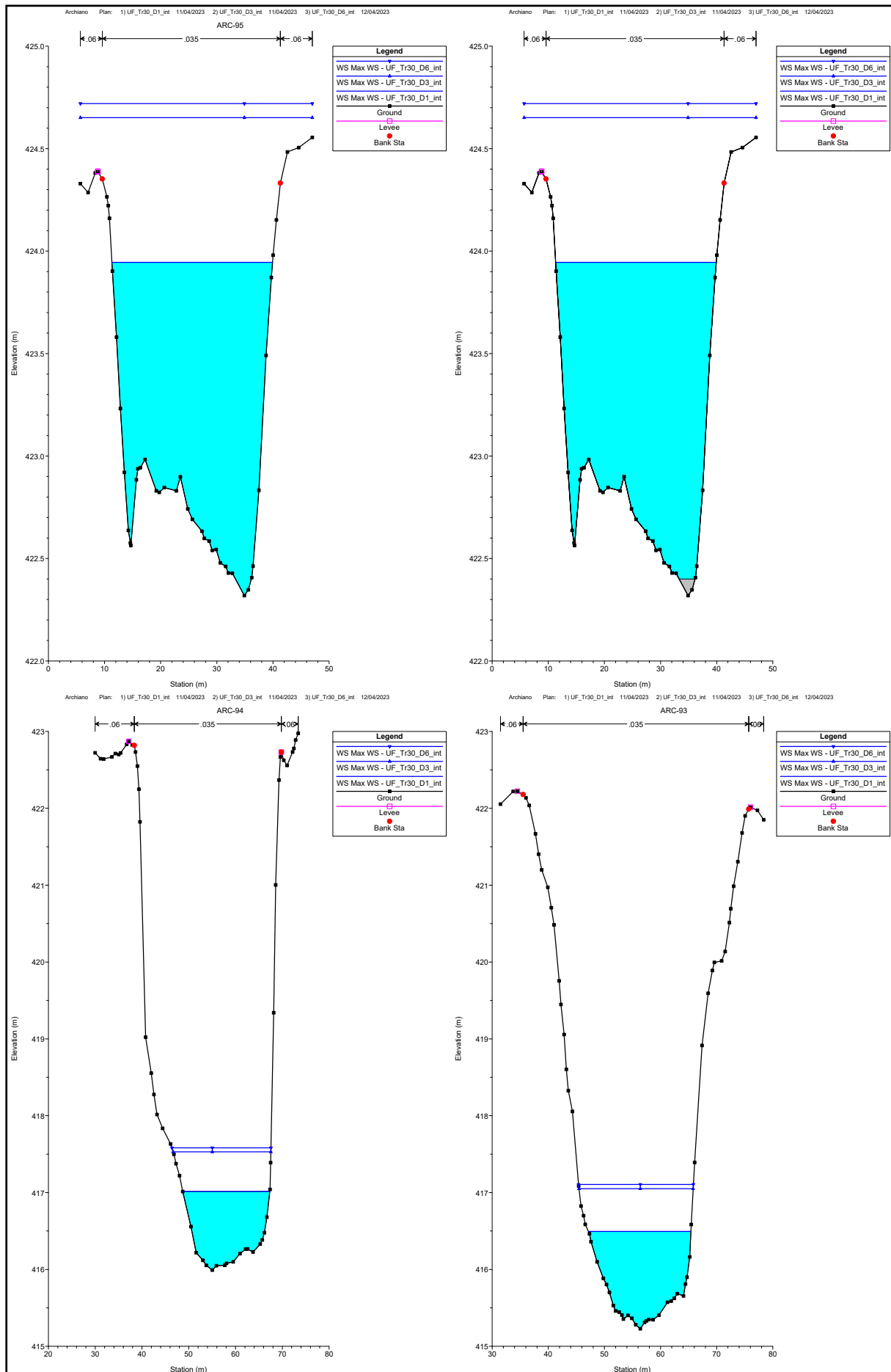


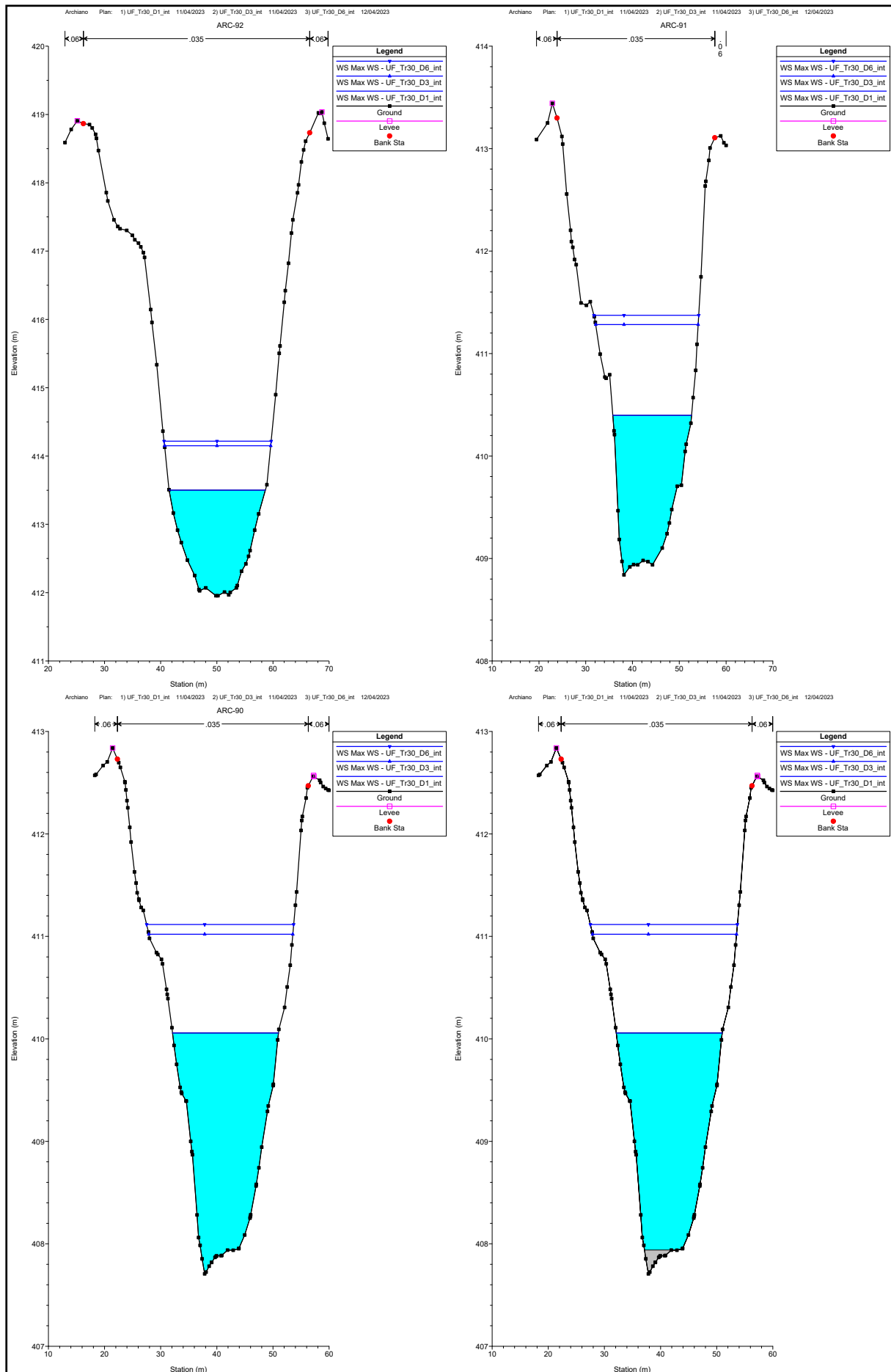


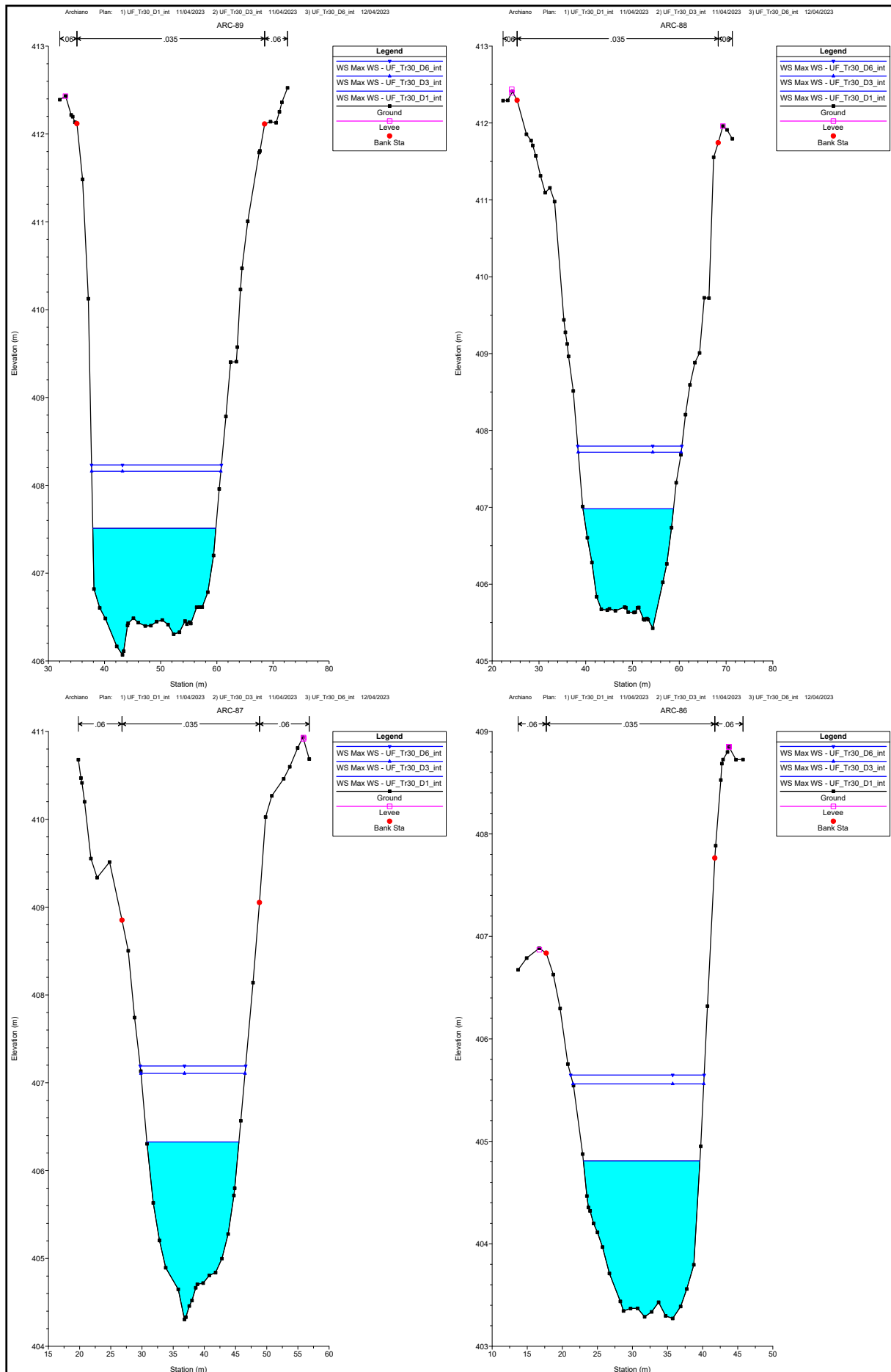


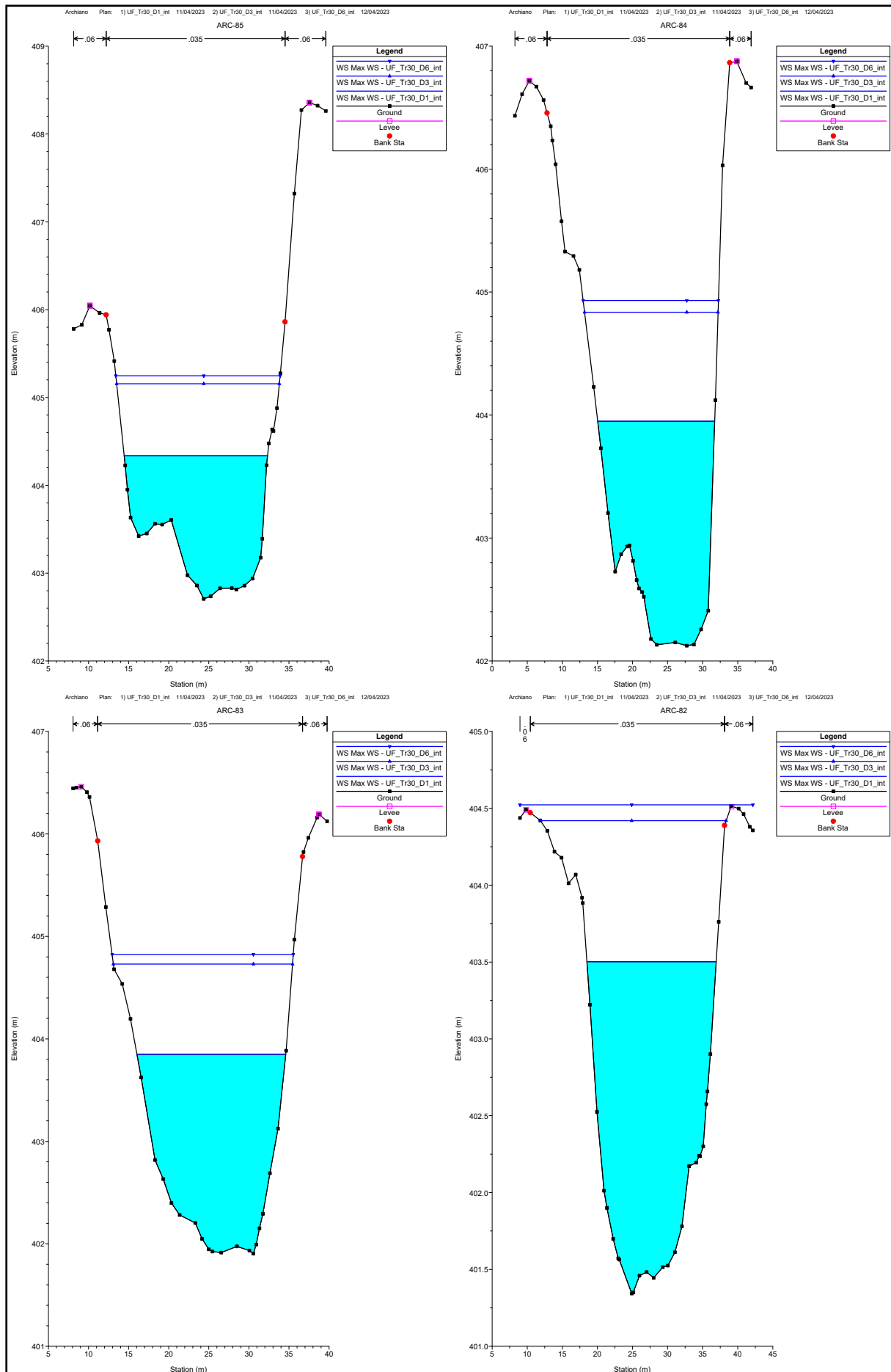


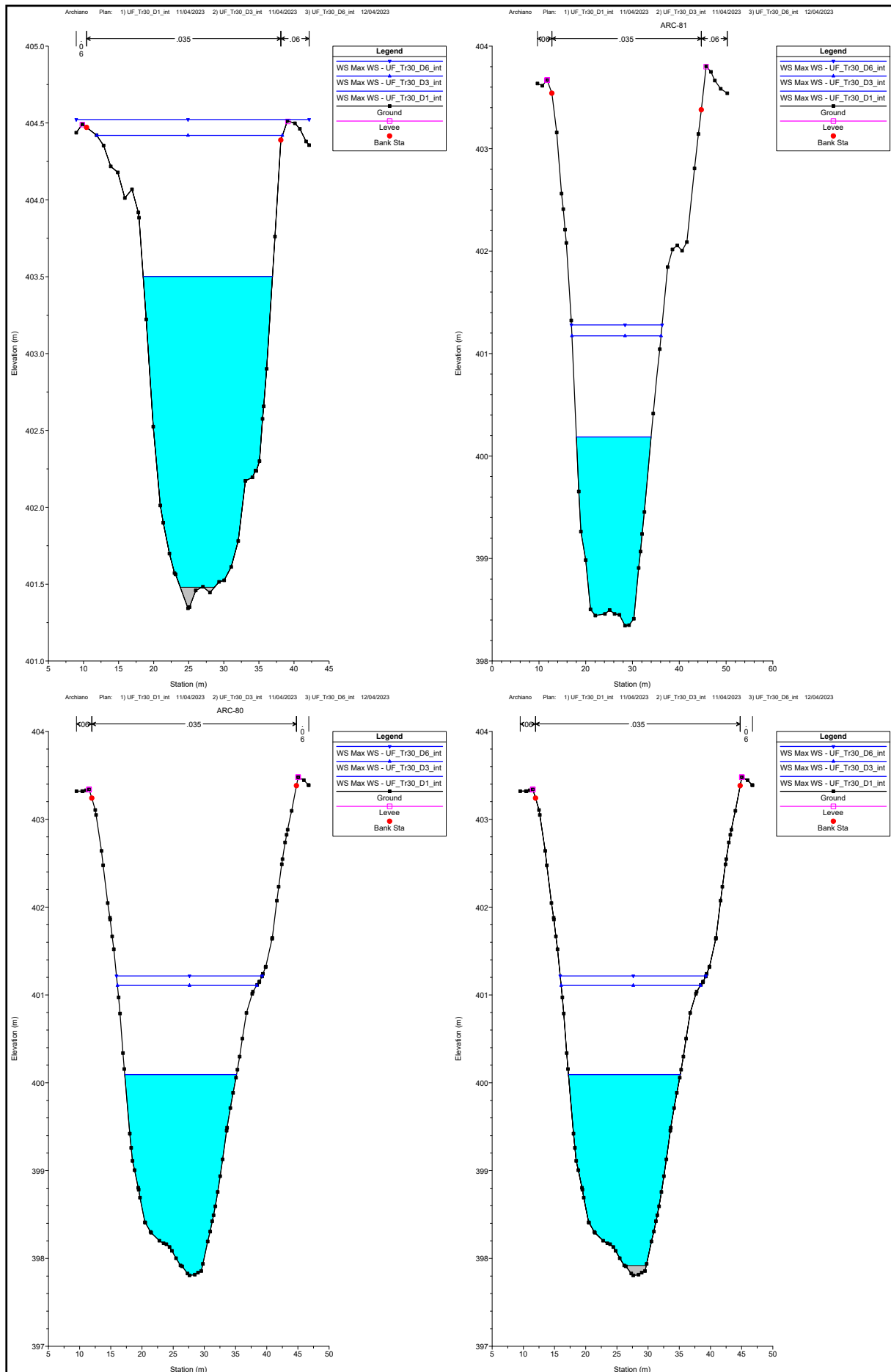


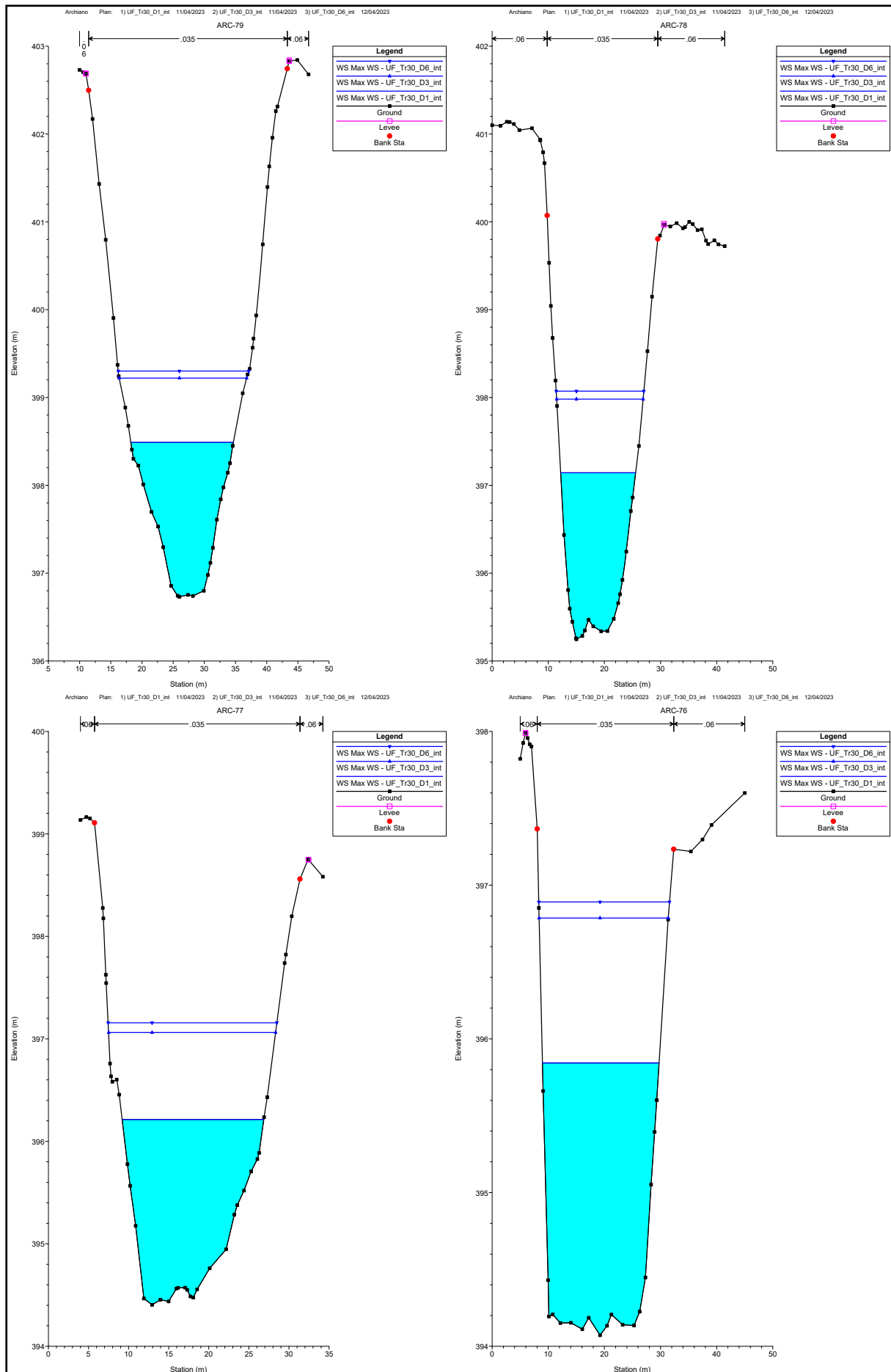


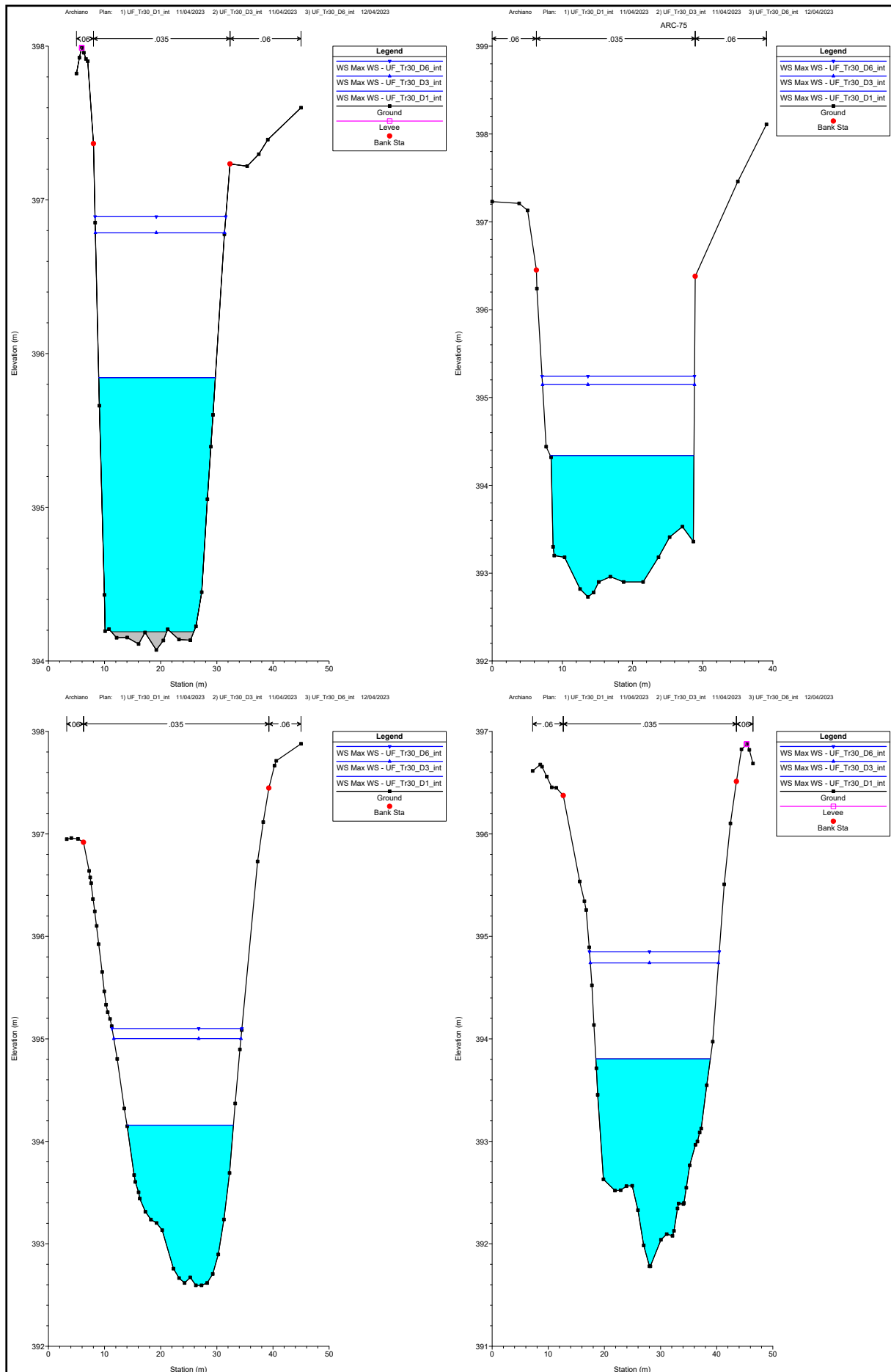


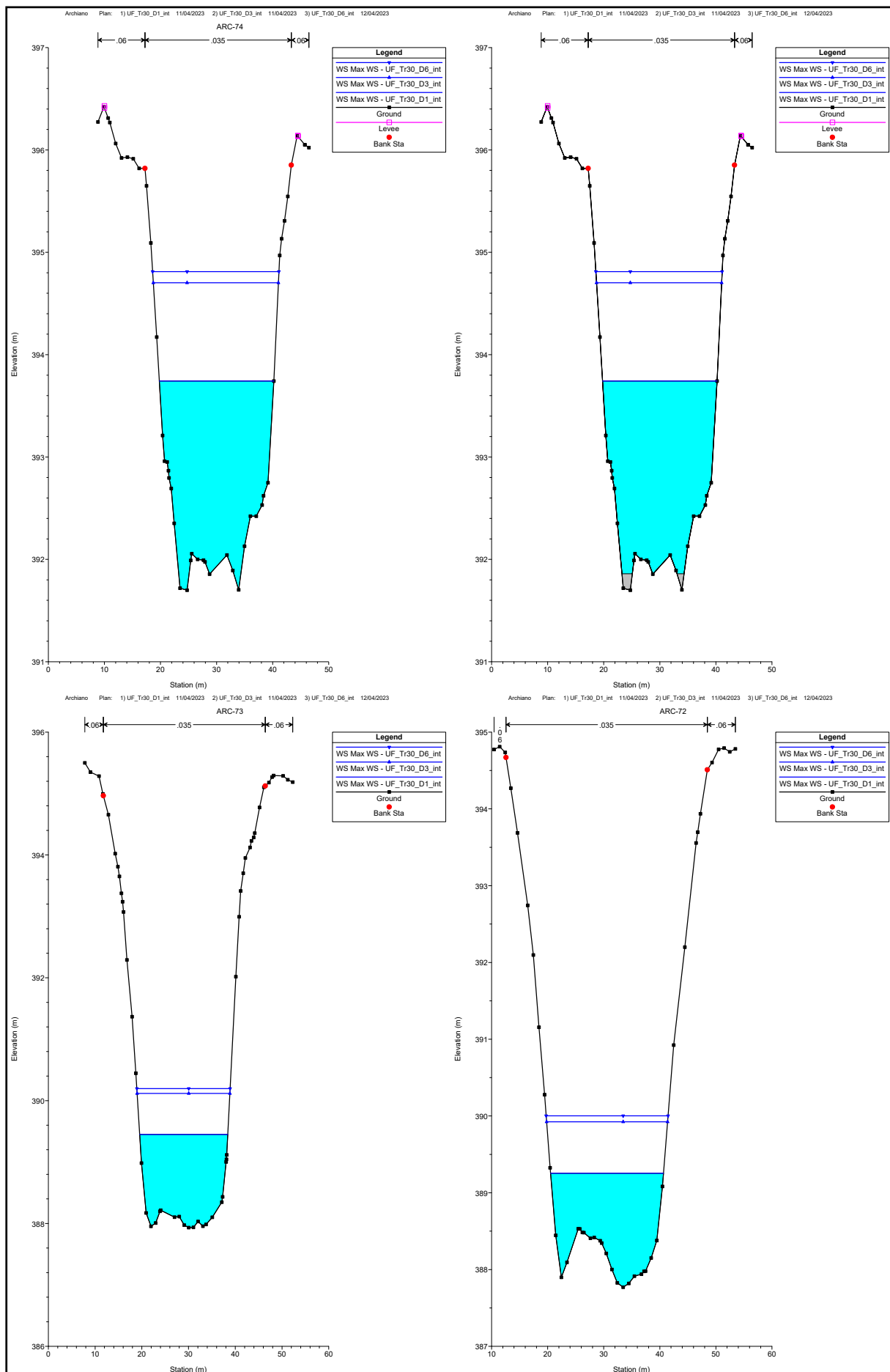


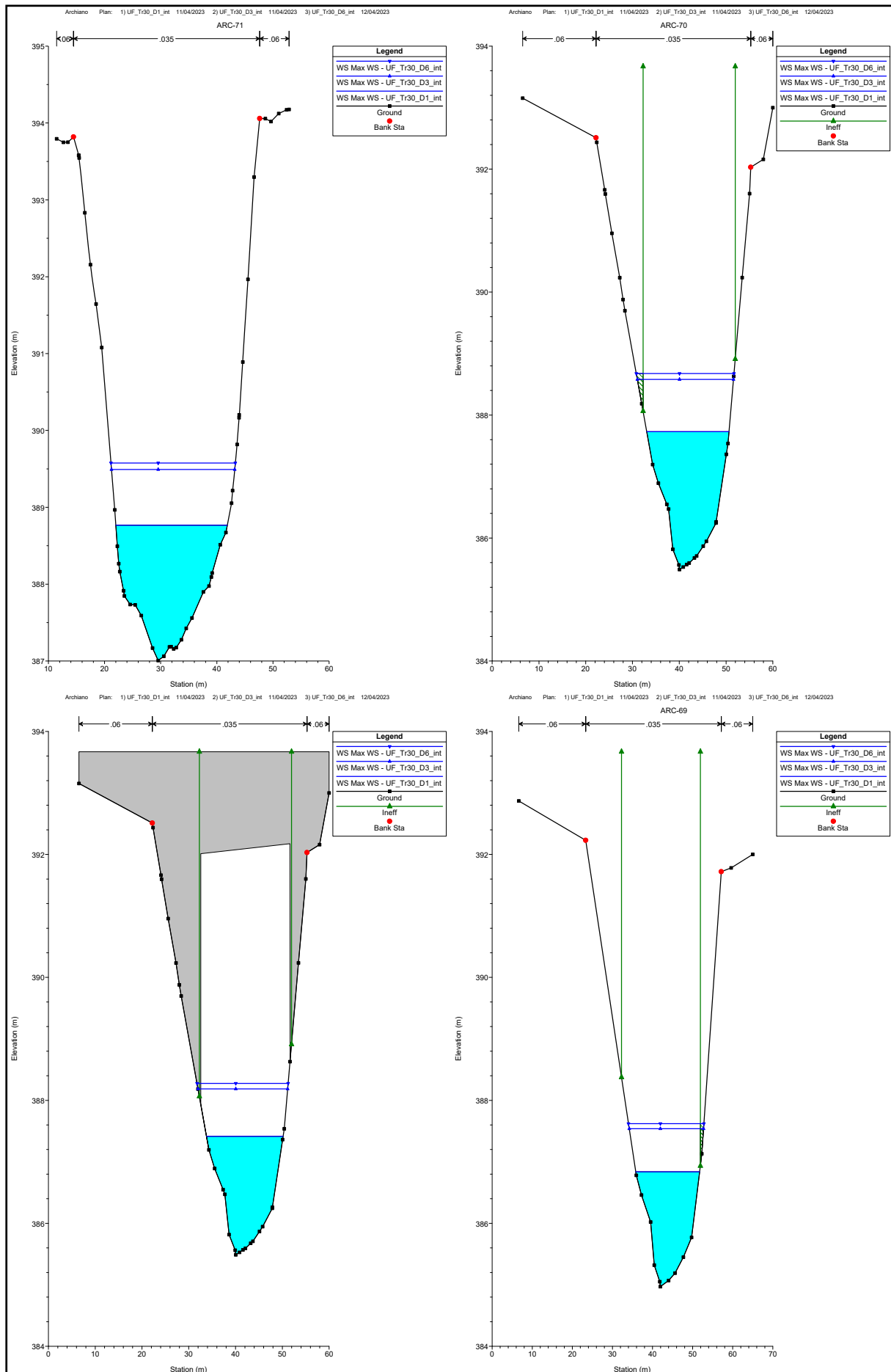


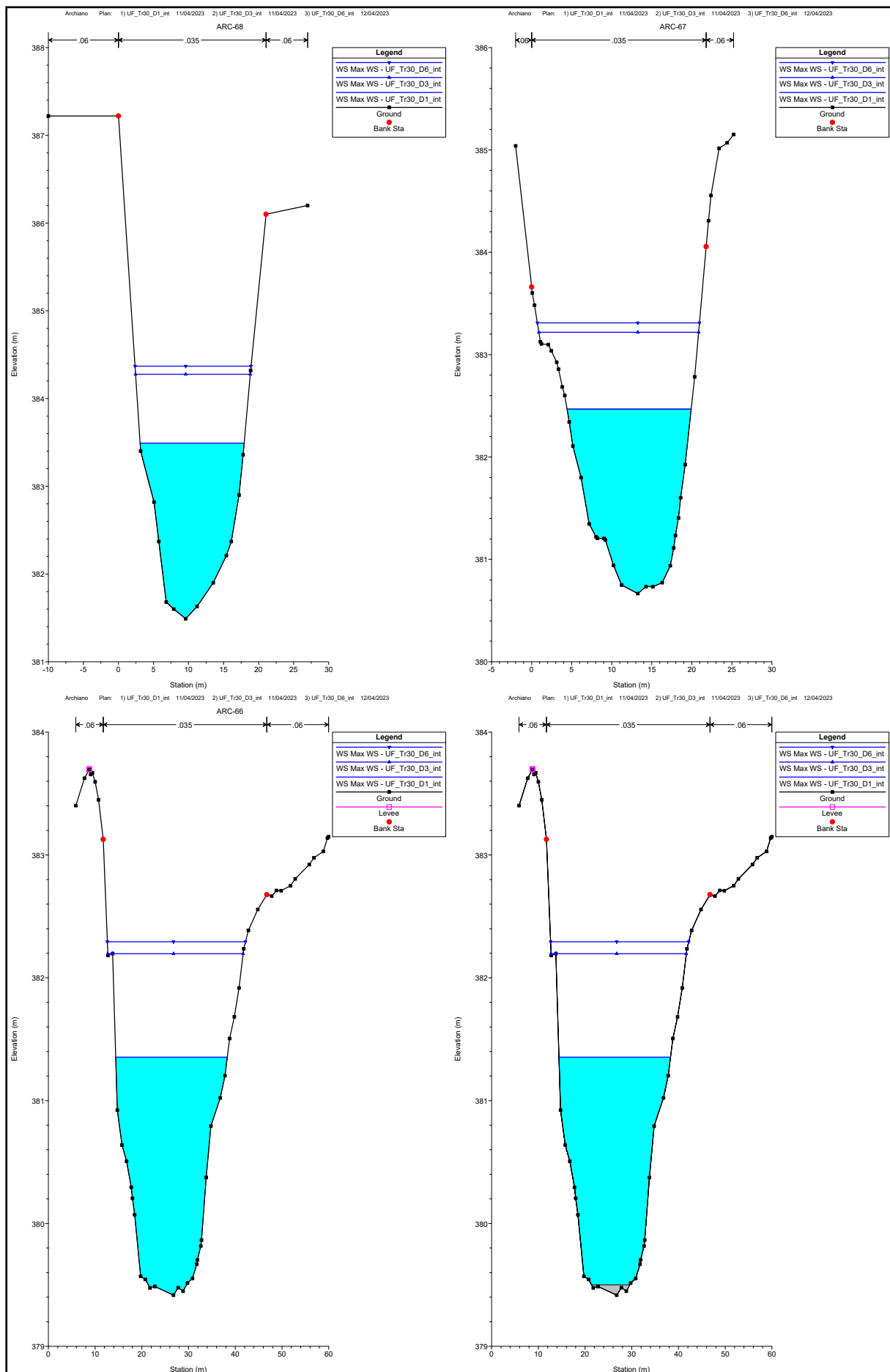


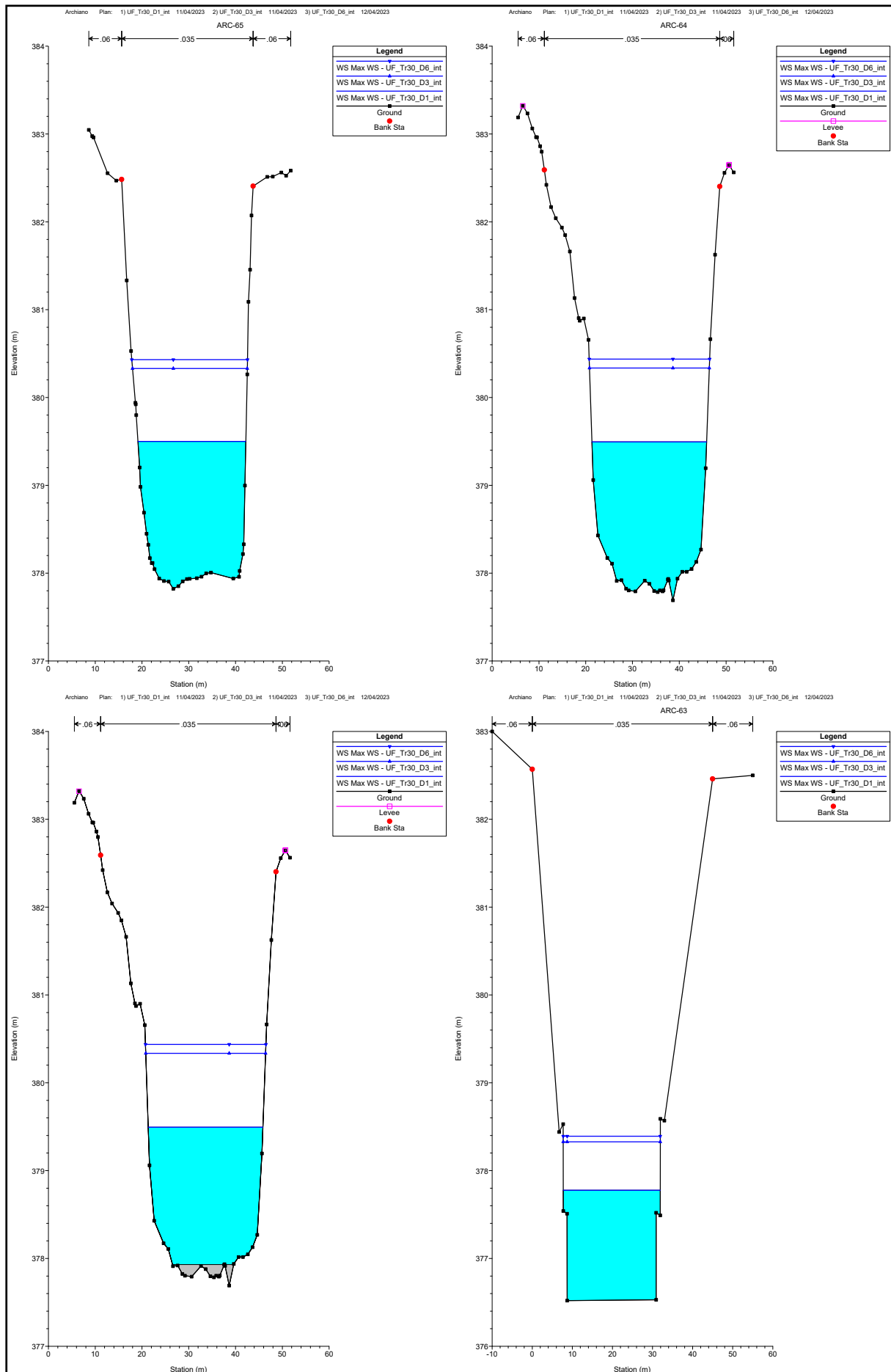


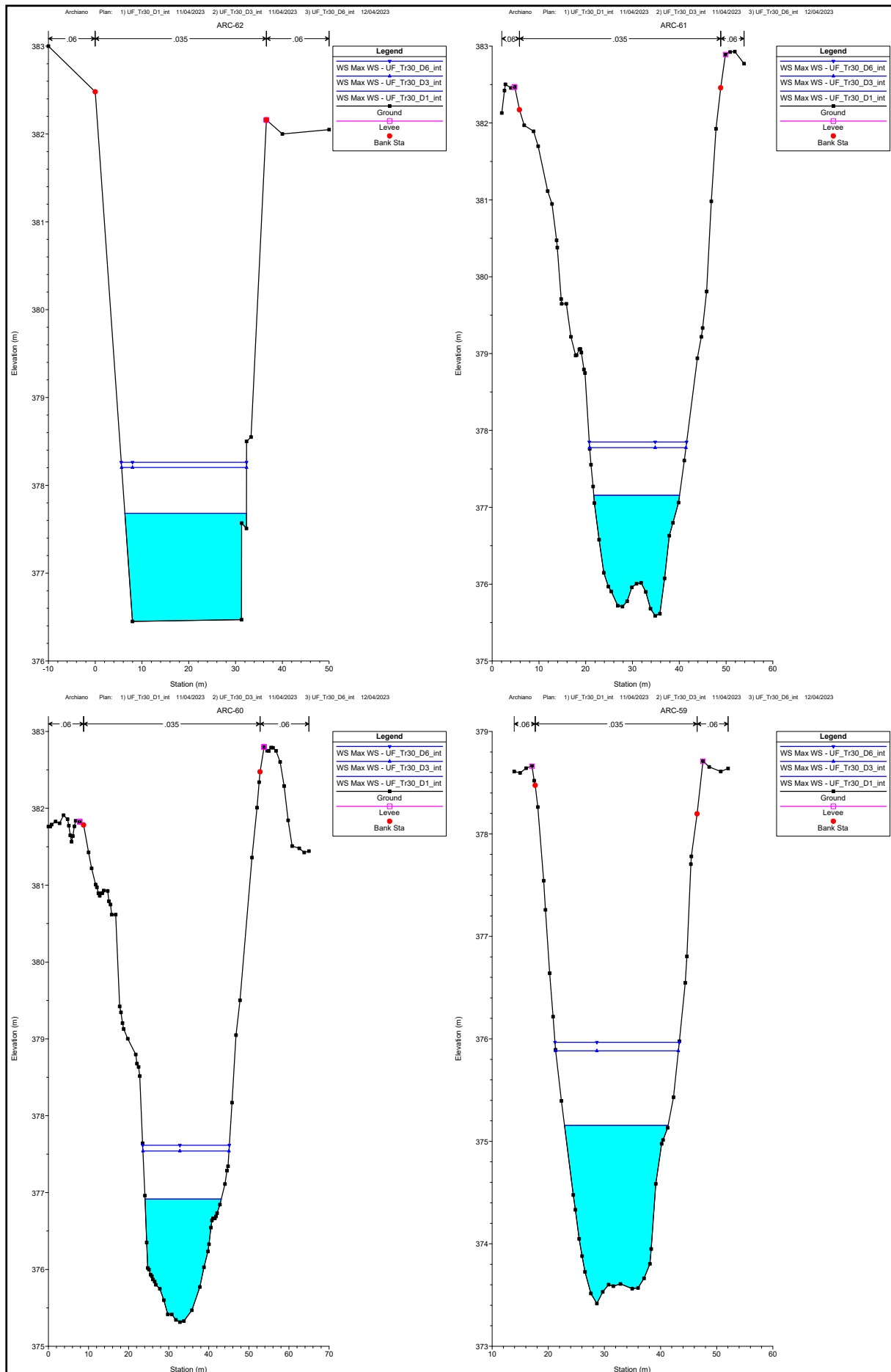


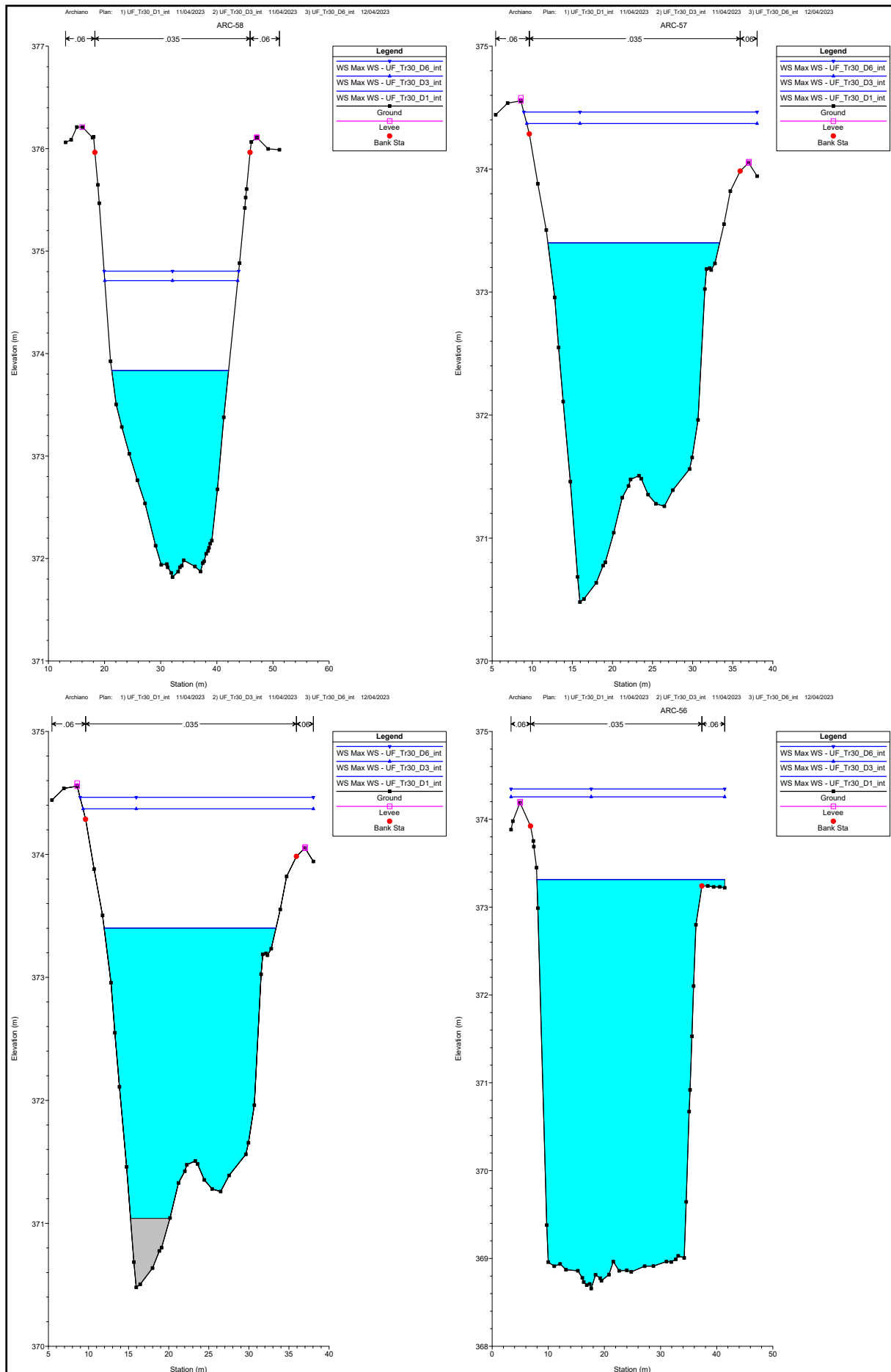


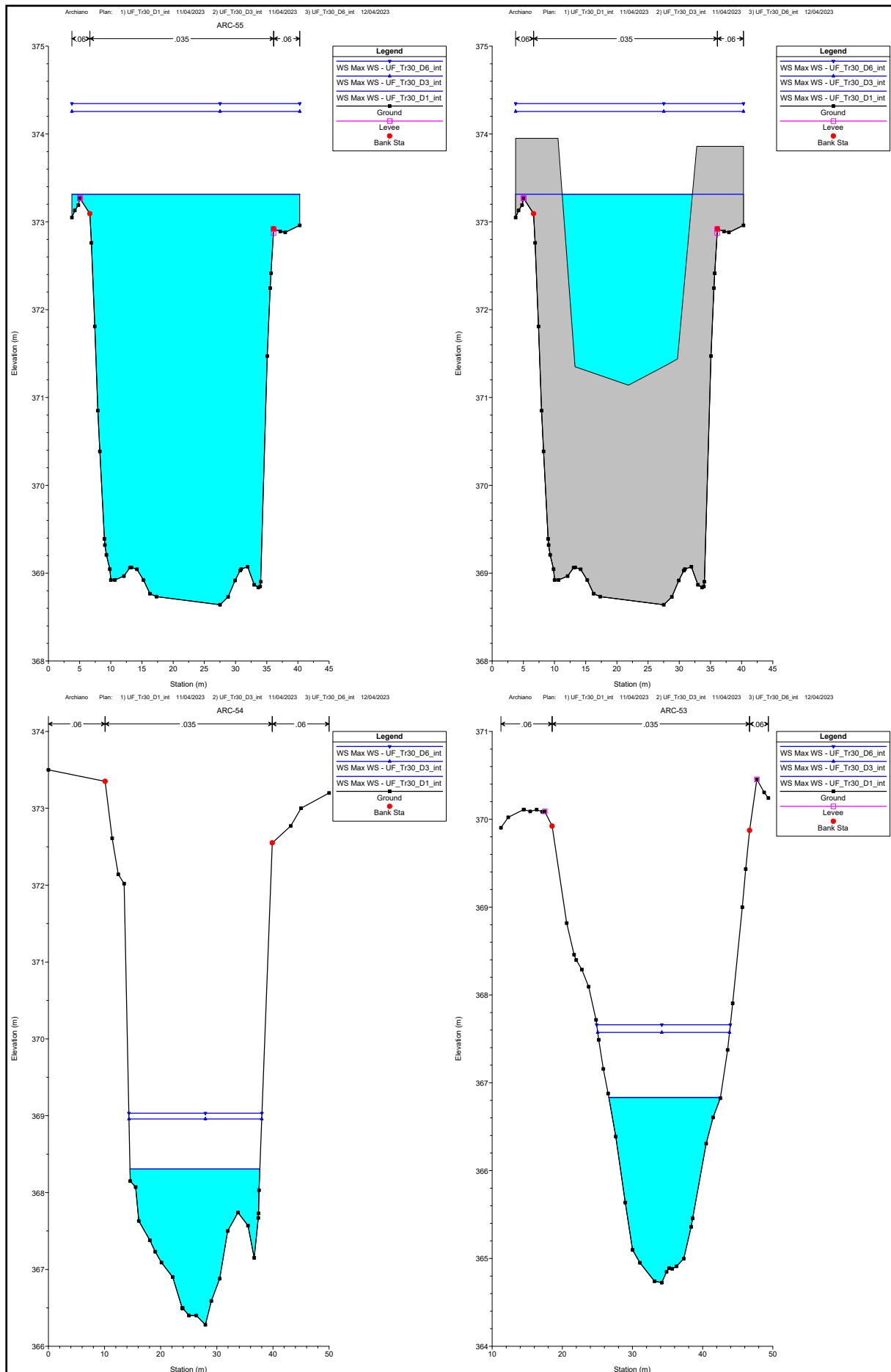


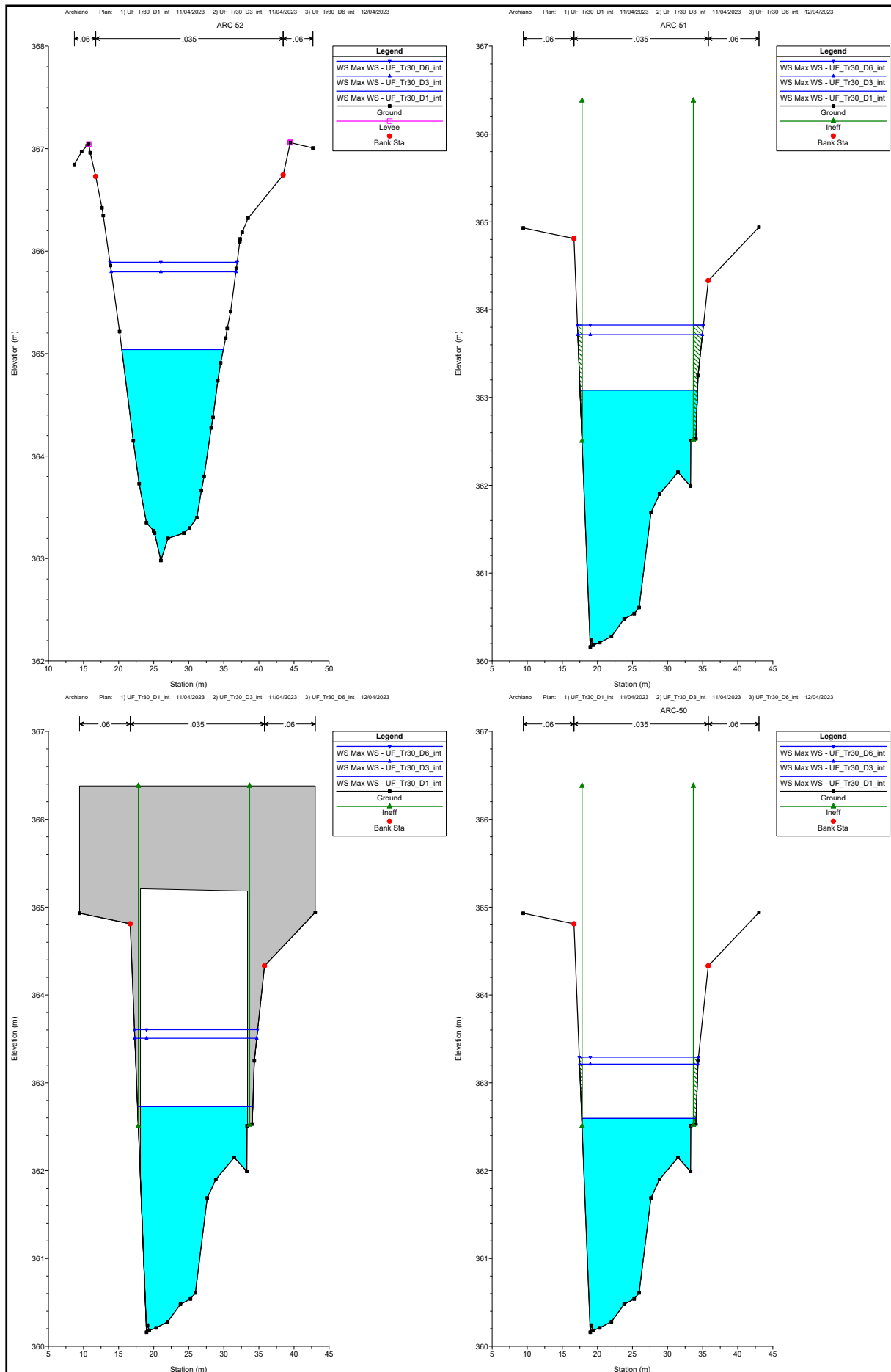


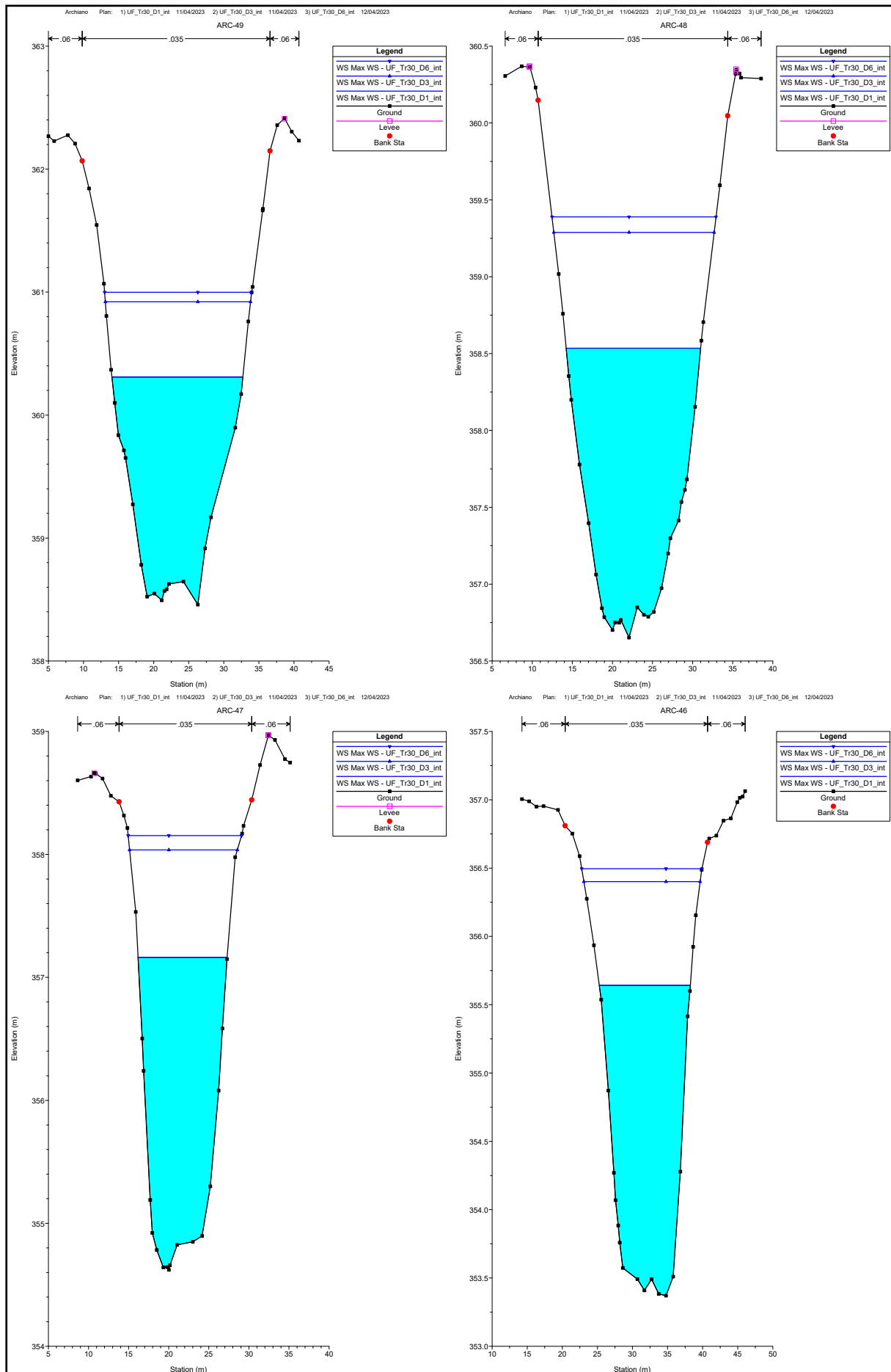


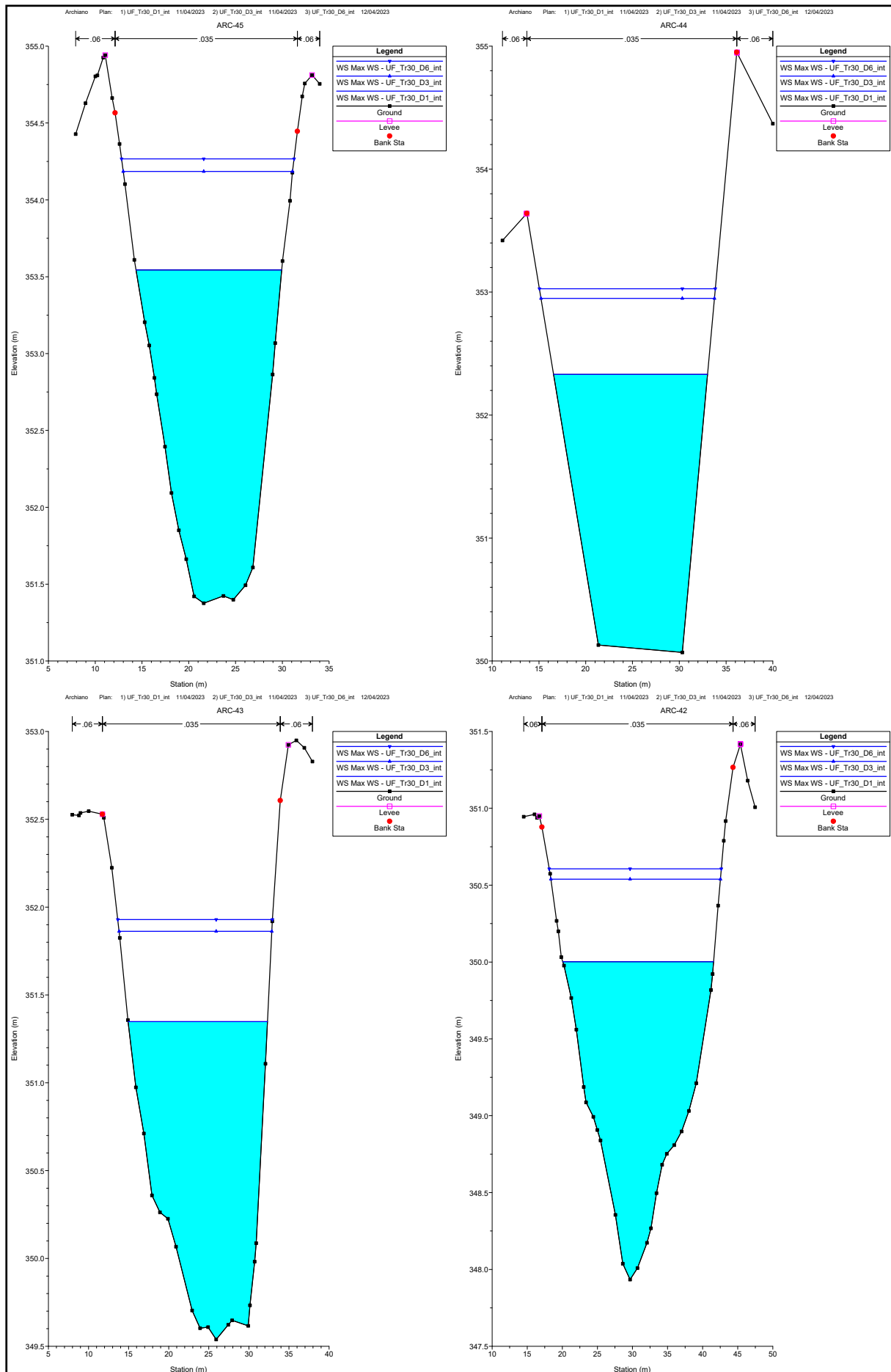


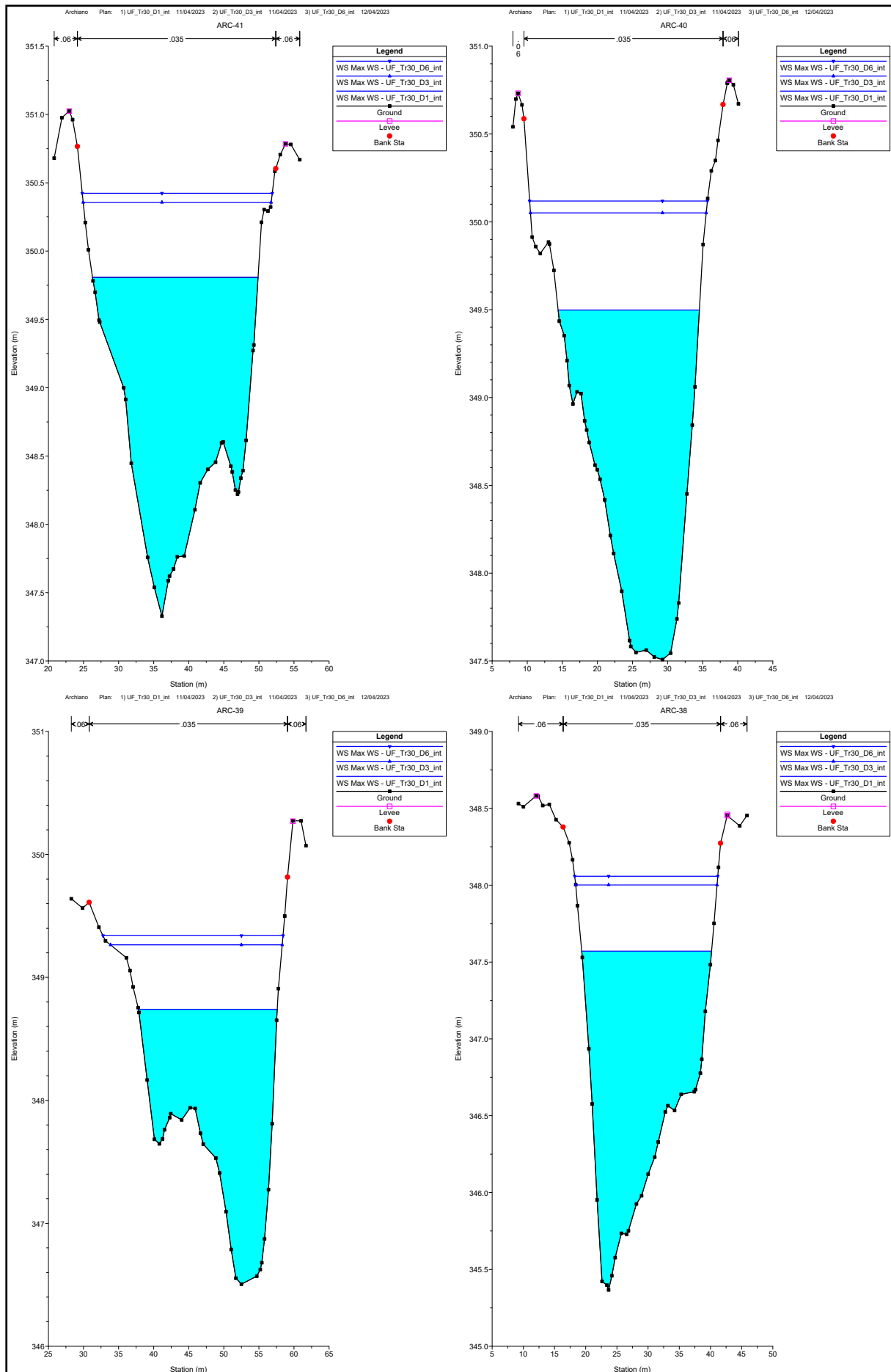


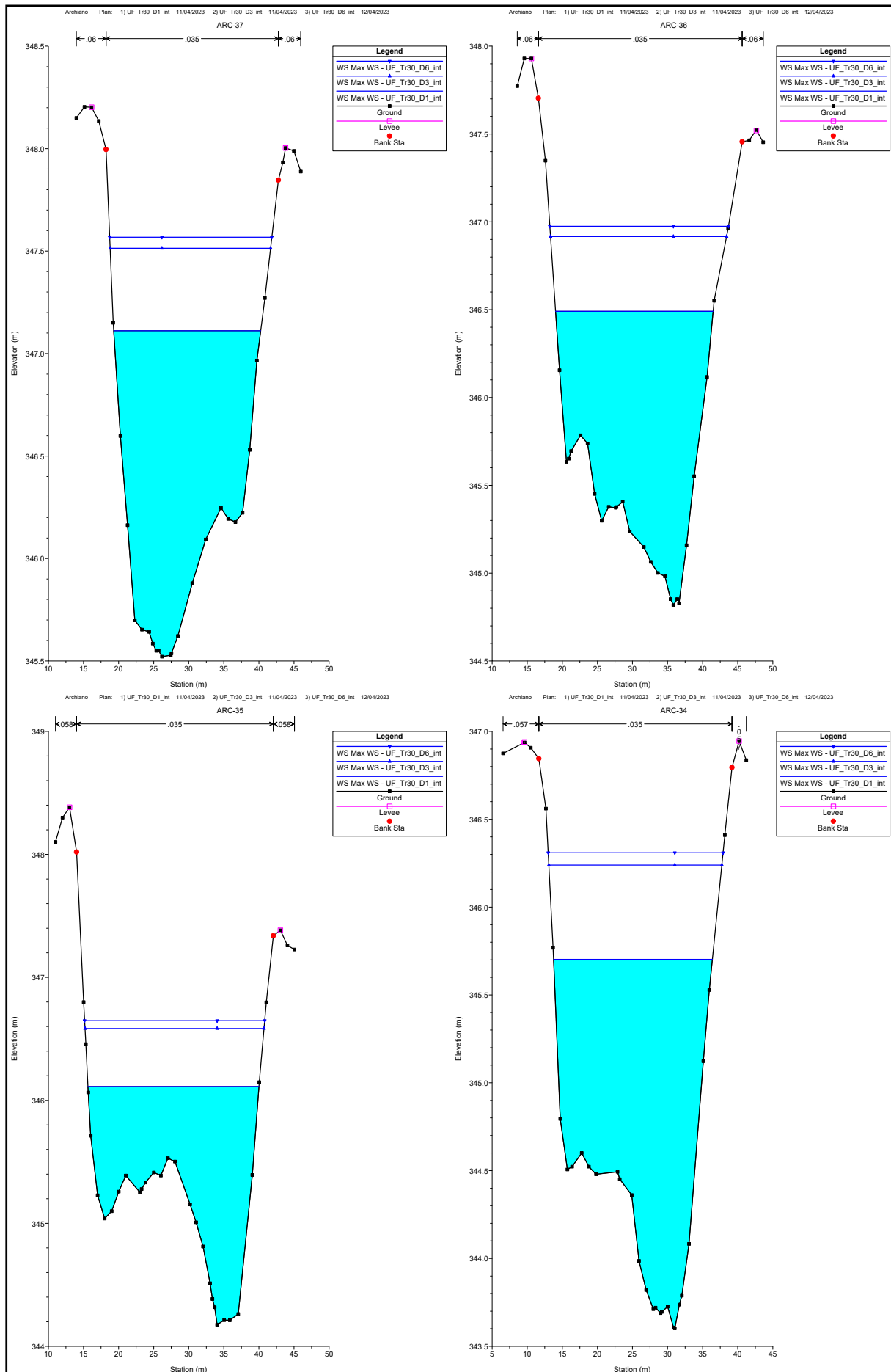


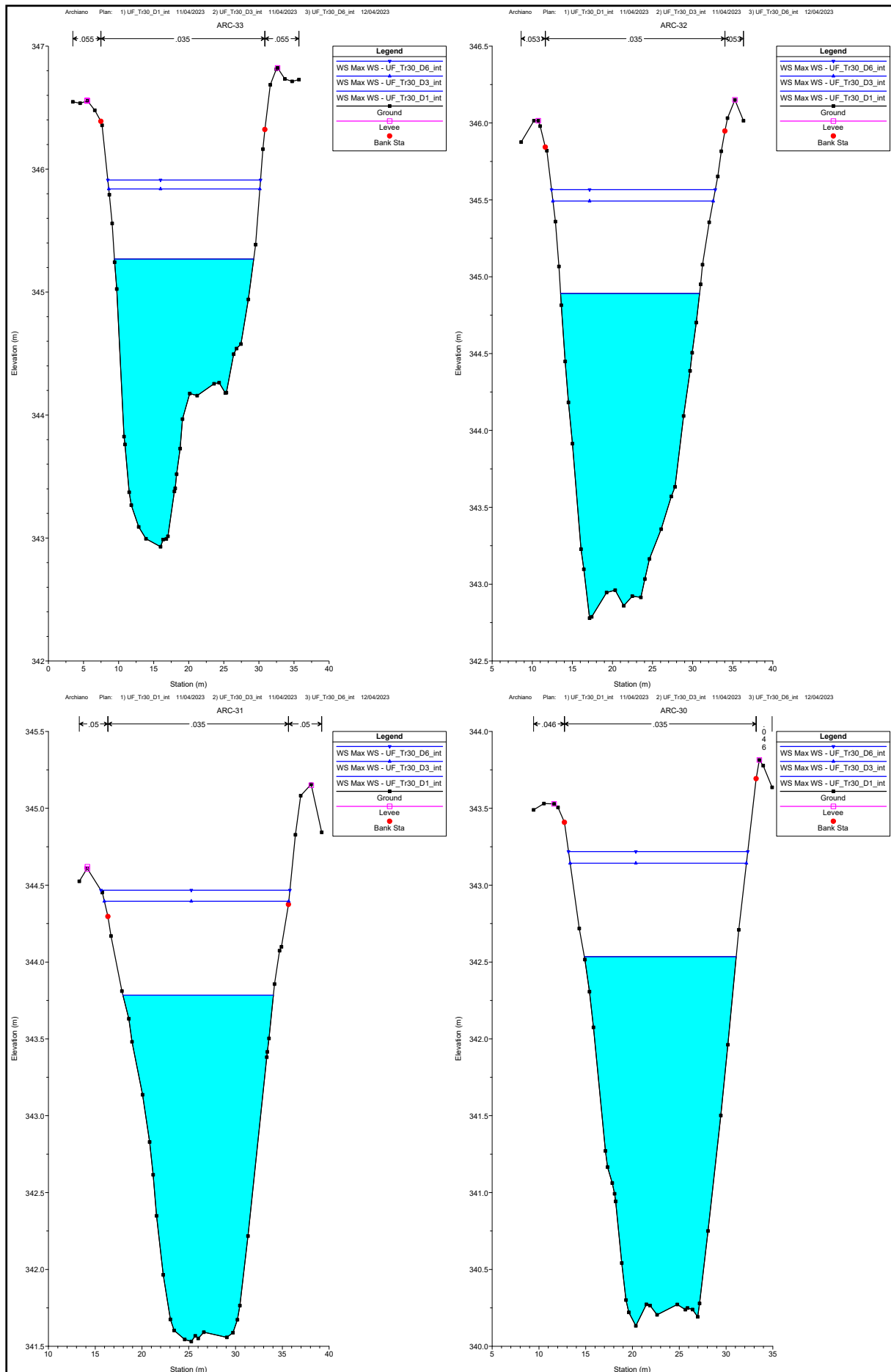


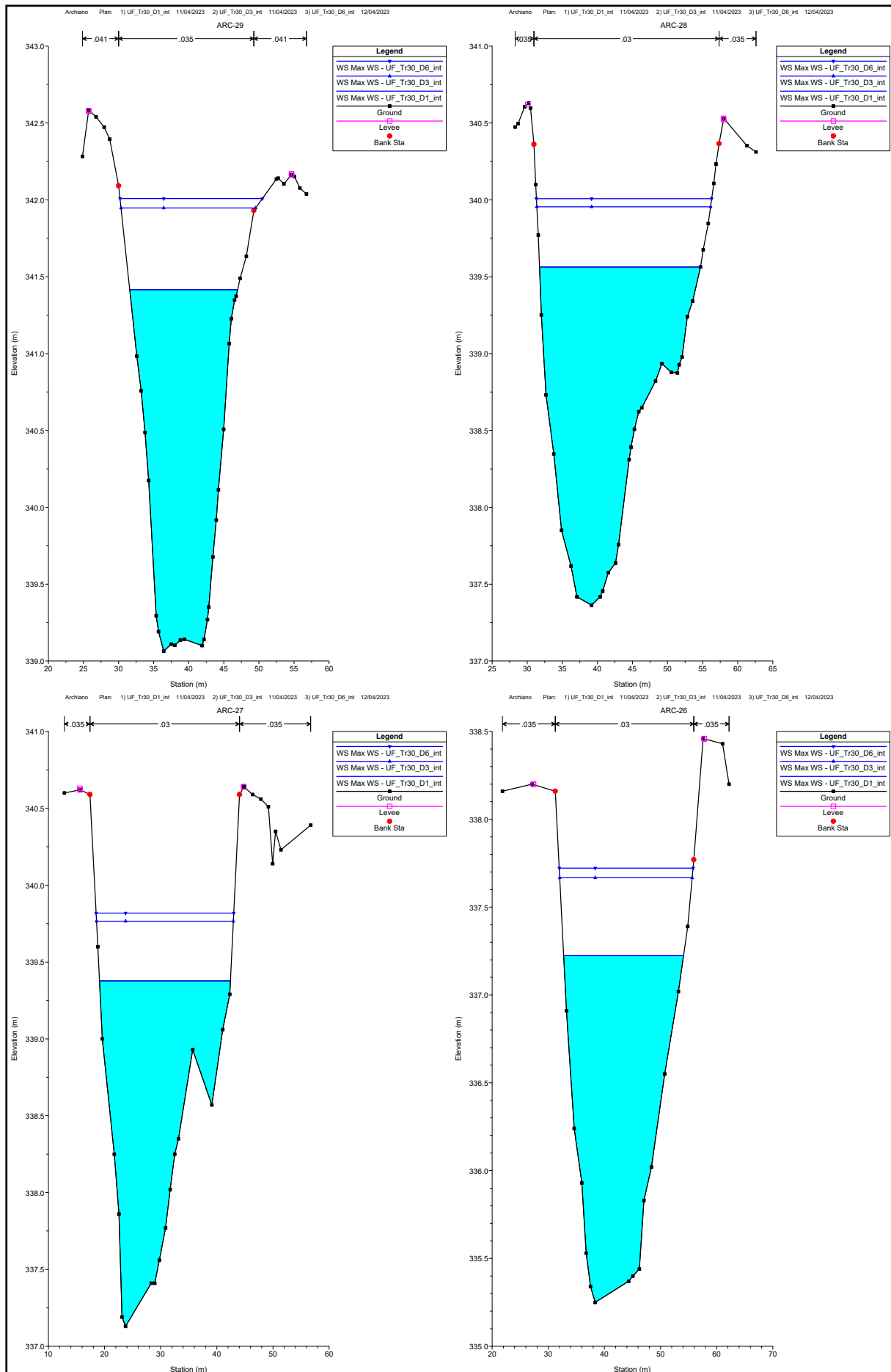


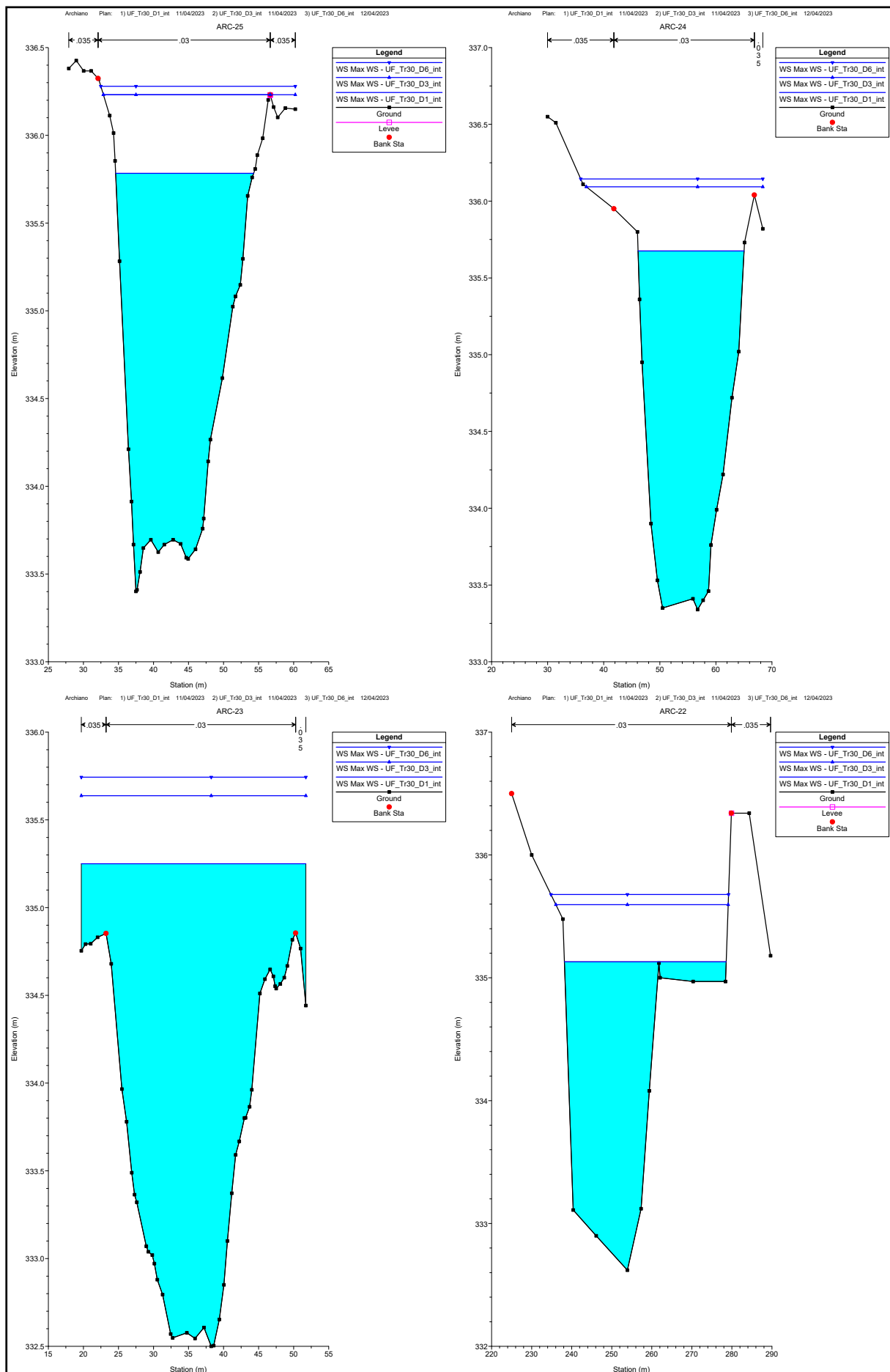


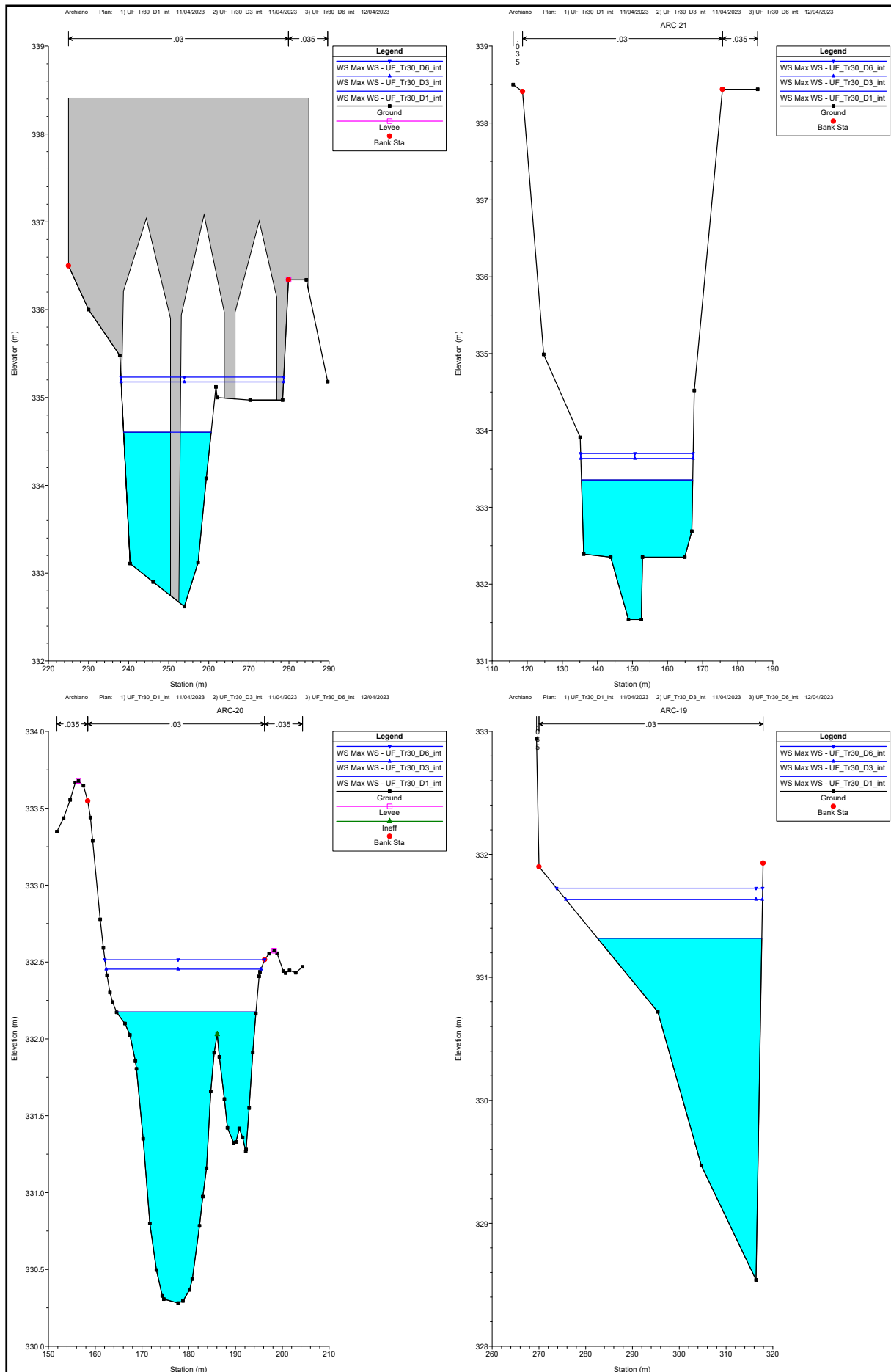


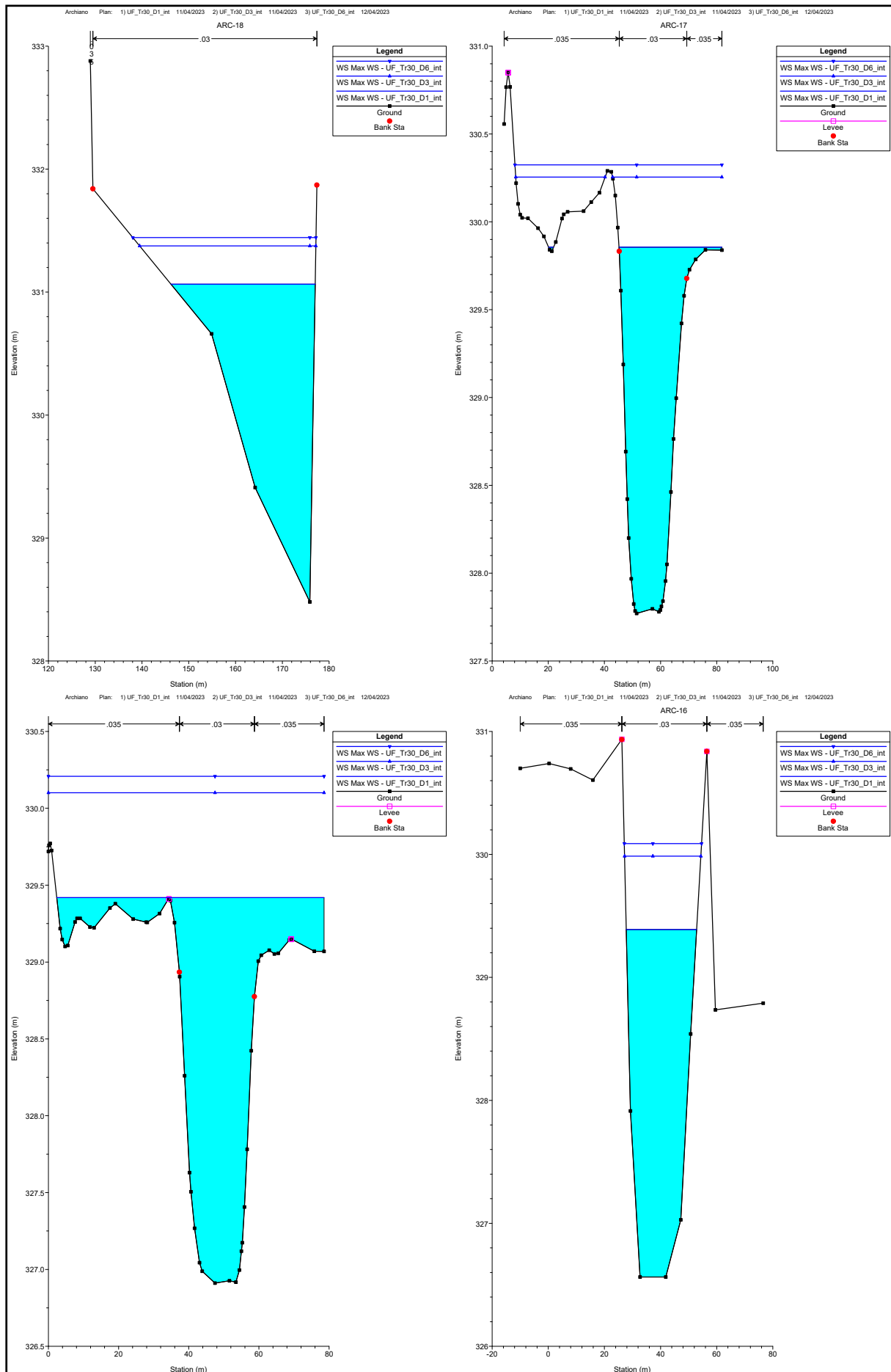


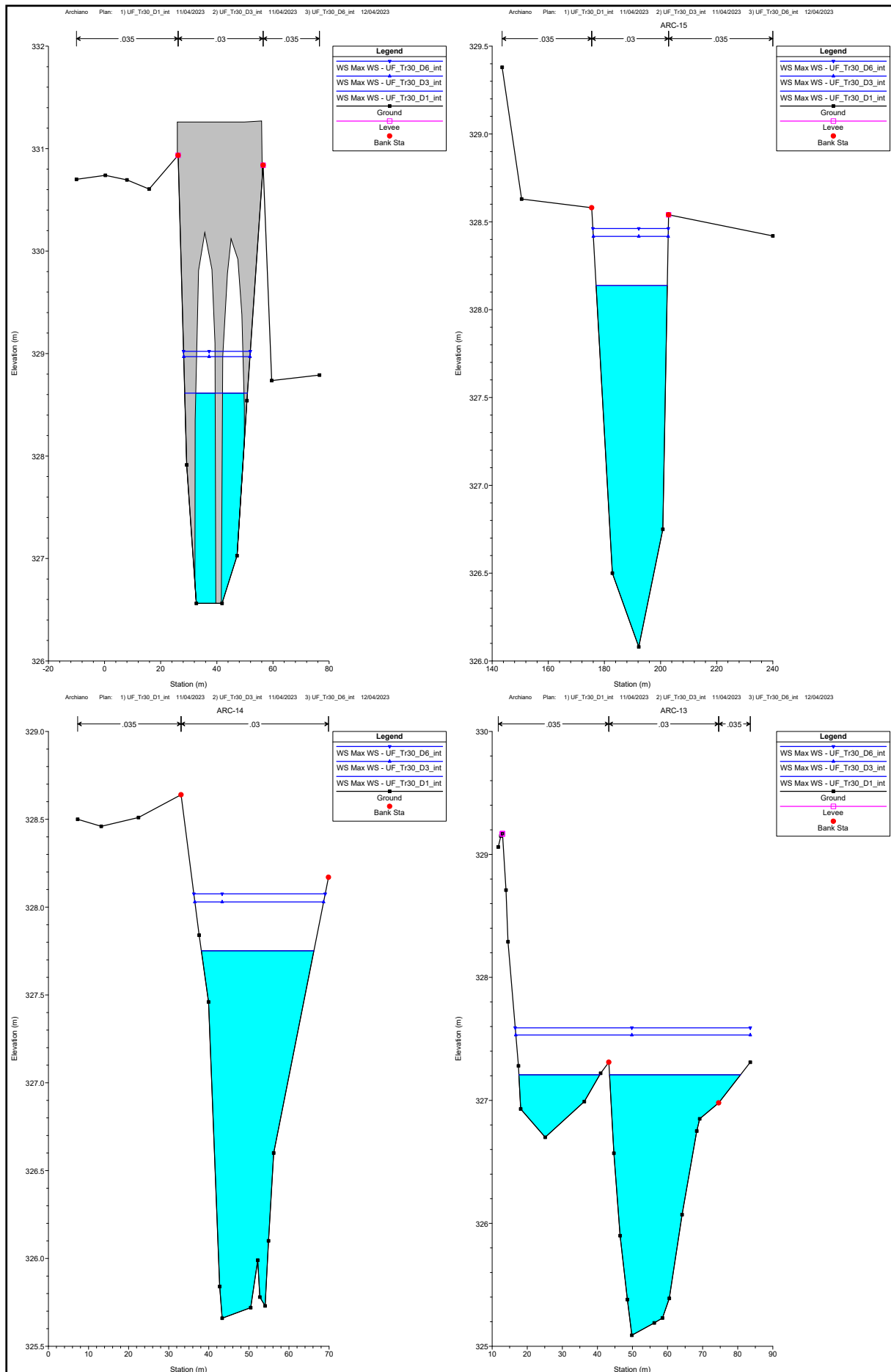


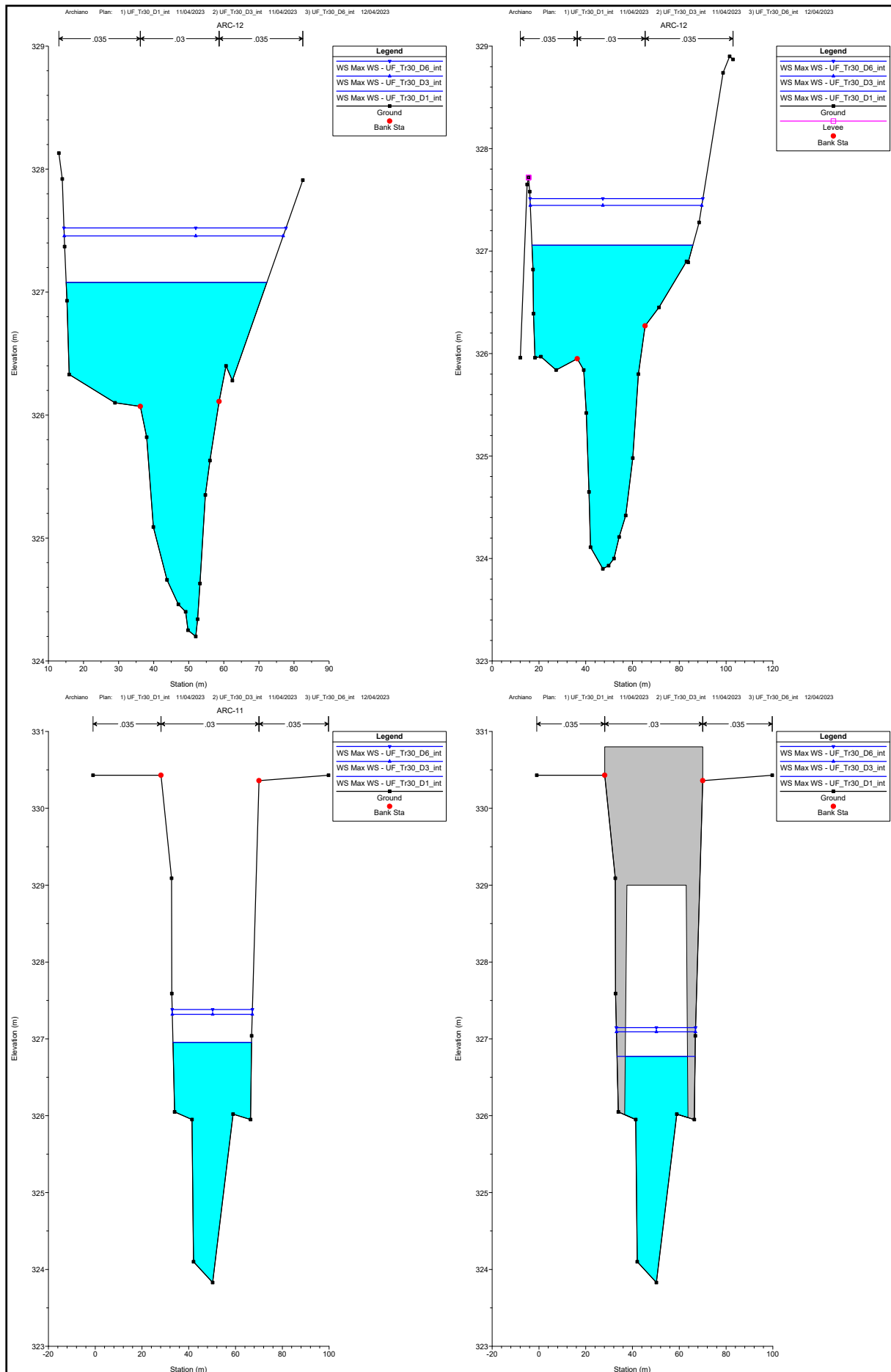


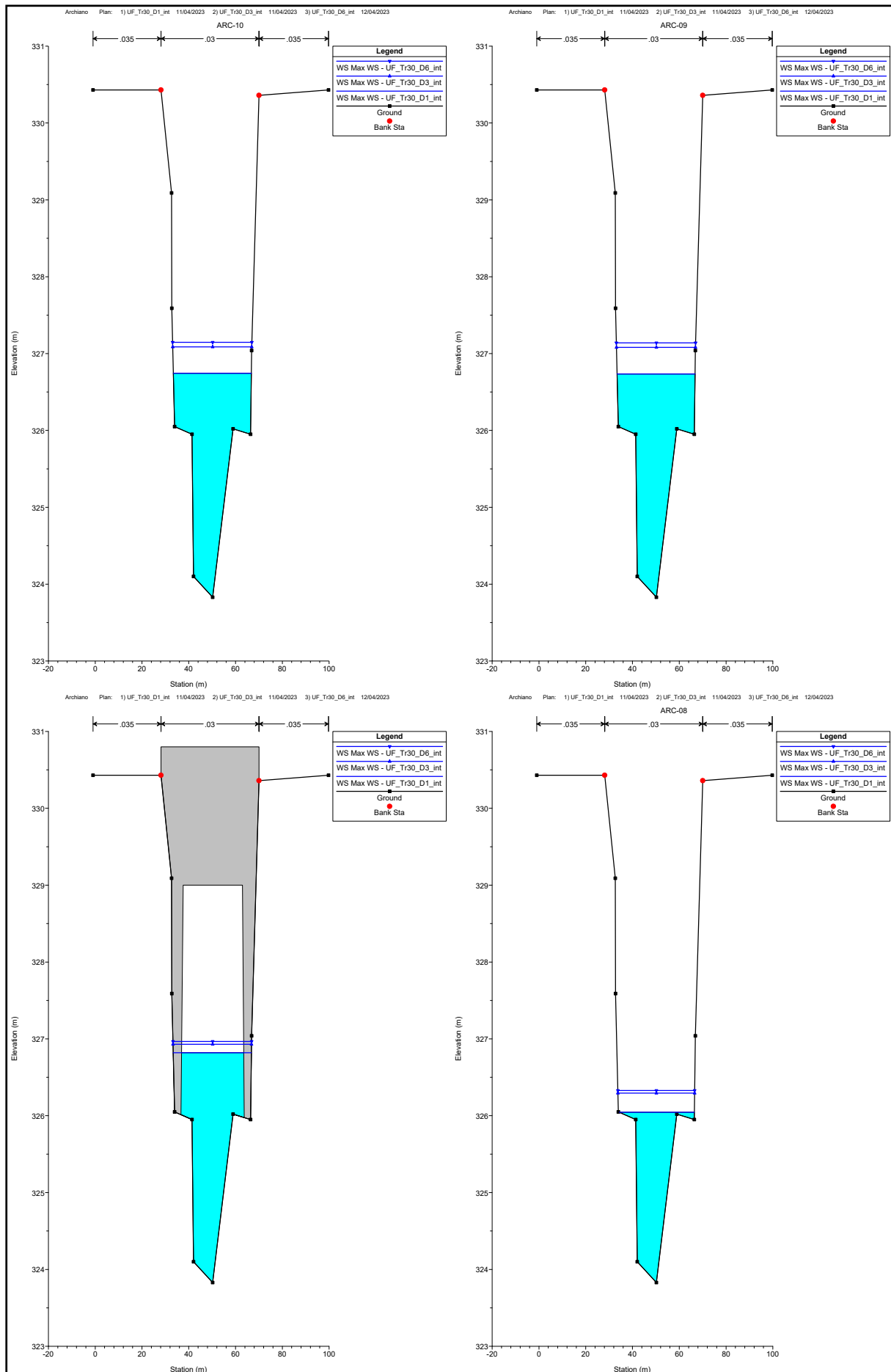


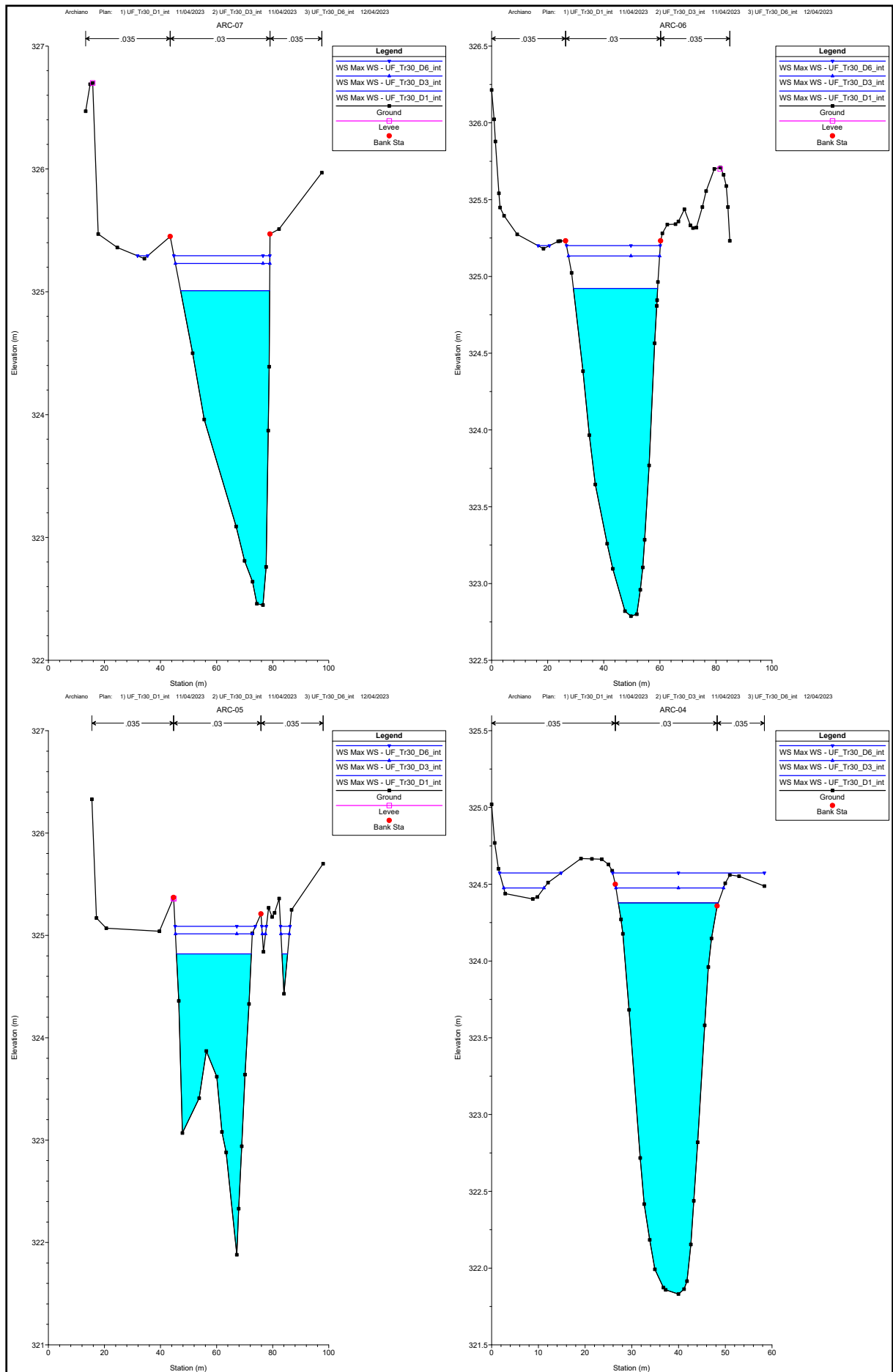


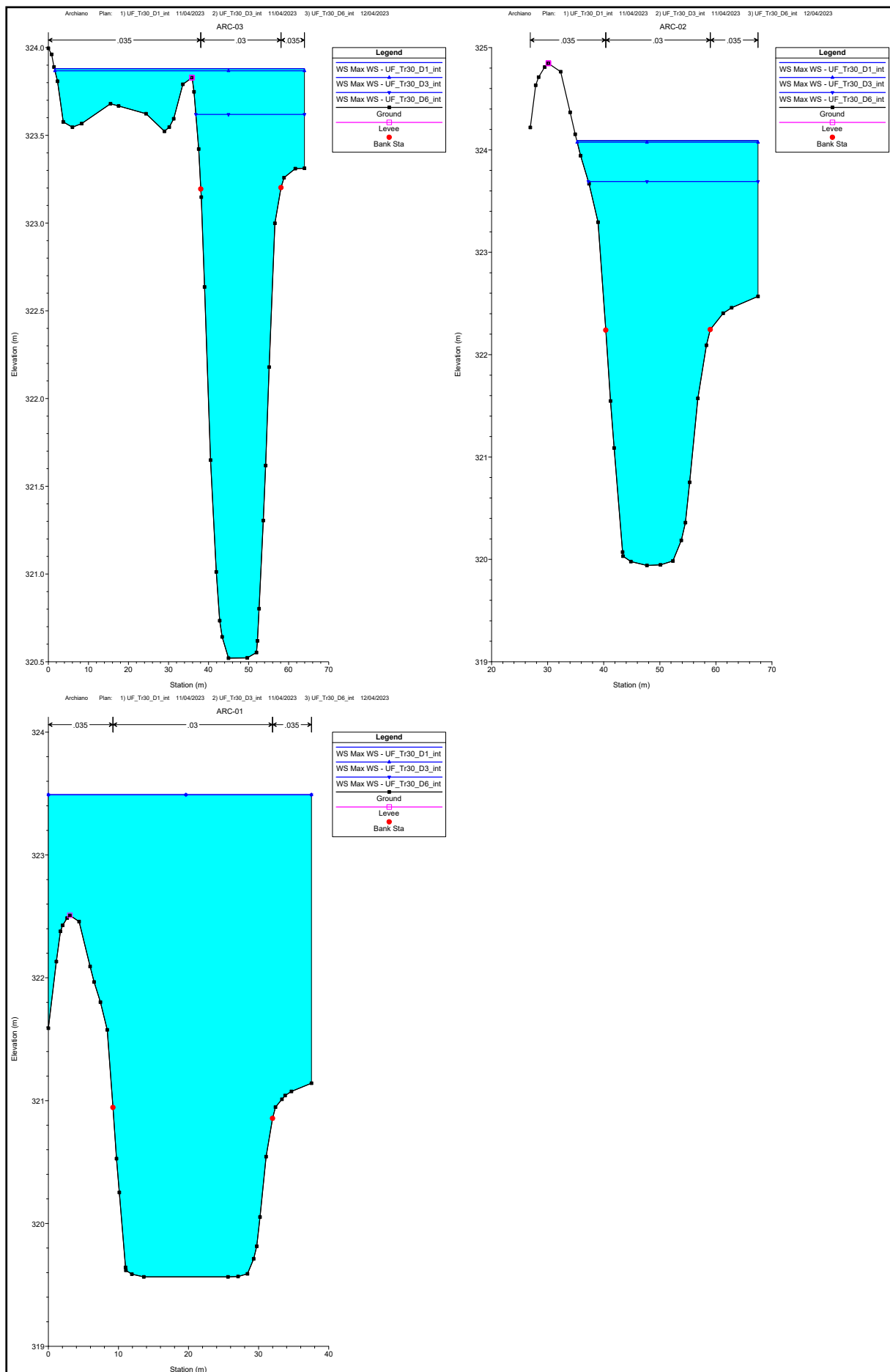














ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

ARCHIANO

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Monte	100	Max WS	UF Tr30_D1_int	60.10	431.49	432.88	433.28	434.14	0.029622	4.97			12.09	11.21	1.53
Monte	100	Max WS	UF Tr30_D3_int	128.00	431.49	433.54	434.25	435.44	0.032171	6.11			20.94	15.05	1.65
Monte	100	Max WS	UF Tr30_D6_int	134.20	431.49	433.58	434.31	435.54	0.032184	6.19			21.68	15.28	1.66
Monte	99.750*	Max WS	UF Tr30_D1_int	60.10	431.06	432.42	432.80	433.65	0.030768	4.92			12.21	11.97	1.56
Monte	99.750*	Max WS	UF Tr30_D3_int	128.00	431.06	433.05	433.78	435.00	0.031618	6.18			20.73	14.54	1.65
Monte	99.750*	Max WS	UF Tr30_D6_int	134.20	431.06	433.10	433.86	435.10	0.031531	6.26			21.44	14.70	1.65
Monte	99.500*	Max WS	UF Tr30_D1_int	60.10	430.64	431.95	432.31	433.14	0.031099	4.83			12.43	12.68	1.56
Monte	99.500*	Max WS	UF Tr30_D3_int	128.00	430.64	432.58	433.18	434.46	0.029915	6.07			21.08	14.52	1.61
Monte	99.500*	Max WS	UF Tr30_D6_int	134.20	430.64	432.63	433.25	434.56	0.029778	6.15			21.82	14.66	1.61
Monte	99.250*	Max WS	UF Tr30_D1_int	60.10	430.21	431.50	431.81	432.59	0.028509	4.62			13.02	13.26	1.49
Monte	99.250*	Max WS	UF Tr30_D3_int	128.00	430.21	432.16	432.65	433.84	0.025730	5.74			22.29	14.74	1.49
Monte	99.250*	Max WS	UF Tr30_D6_int	134.20	430.21	432.21	432.71	433.94	0.025554	5.82			23.07	14.86	1.49
Monte	99	Max WS	UF Tr30_D1_int	60.10	429.79	431.13	431.30	431.96	0.019827	4.03			14.91	13.95	1.25
Monte	99	Max WS	UF Tr30_D3_int	127.99	429.79	431.82	432.12	433.16	0.018955	5.13			24.94	15.22	1.28
Monte	99	Max WS	UF Tr30_D6_int	134.20	429.79	431.88	432.19	433.26	0.018887	5.21			25.77	15.32	1.28
Monte	98.800*	Max WS	UF Tr30_D1_int	60.10	429.43	430.79	430.98	431.64	0.020199	4.08			14.73	13.81	1.26
Monte	98.800*	Max WS	UF Tr30_D3_int	127.99	429.43	431.50	431.80	432.84	0.018644	5.12			24.99	15.19	1.27
Monte	98.800*	Max WS	UF Tr30_D6_int	134.20	429.43	431.56	431.87	432.93	0.018563	5.19			25.84	15.30	1.28
Monte	98.600*	Max WS	UF Tr30_D1_int	60.10	429.07	430.46	430.63	431.29	0.019113	4.03			14.92	13.70	1.23
Monte	98.600*	Max WS	UF Tr30_D3_int	127.99	429.07	431.19	431.46	432.47	0.017295	5.01			25.56	15.22	1.23
Monte	98.600*	Max WS	UF Tr30_D6_int	134.20	429.07	431.25	431.53	432.57	0.017228	5.08			26.43	15.34	1.24
Monte	98.400*	Max WS	UF Tr30_D1_int	60.10	428.70	430.17	430.26	430.89	0.015317	3.76			15.96	13.71	1.11
Monte	98.400*	Max WS	UF Tr30_D3_int	127.99	428.70	430.92	431.10	432.07	0.014717	4.75			26.93	15.35	1.15
Monte	98.400*	Max WS	UF Tr30_D6_int	134.20	428.70	430.98	431.17	432.16	0.014713	4.82			27.83	15.48	1.15
Monte	98.200*	Max WS	UF Tr30_D1_int	60.10	428.34	429.95		430.50	0.009958	3.27			18.37	13.93	0.91
Monte	98.200*	Max WS	UF Tr30_D3_int	127.99	428.34	430.70	430.71	431.66	0.011451	4.35			29.42	15.74	1.02
Monte	98.200*	Max WS	UF Tr30_D6_int	134.20	428.34	430.75	430.78	431.75	0.011555	4.43			30.32	15.91	1.02
Monte	98	Max WS	UF Tr30_D1_int	60.09	427.98	429.82		430.19	0.005678	2.70			22.28	14.38	0.69
Monte	98	Max WS	UF Tr30_D3_int	127.99	427.98	430.53		431.29	0.008200	3.87			33.10	16.02	0.86
Monte	98	Max WS	UF Tr30_D6_int	134.20	427.98	430.58		431.38	0.008332	3.95	0.10		34.00	16.44	0.87
Monte	97.667*	Max WS	UF Tr30_D1_int	60.09	427.85	429.65	429.77	430.43	0.016808	3.93			15.30	13.27	1.17
Monte	97.667*	Max WS	UF Tr30_D3_int	127.99	427.85	430.33	430.63	431.68	0.018104	5.14			24.89	14.82	1.27
Monte	97.667*	Max WS	UF Tr30_D6_int	134.20	427.85	430.38	430.71	431.77	0.018140	5.22			25.69	14.94	1.27
Monte	97.333*	Max WS	UF Tr30_D1_int	60.09	427.73	429.33	429.61	430.38	0.025071	4.54			13.25	12.42	1.40
Monte	97.333*	Max WS	UF Tr30_D3_int	127.99	427.73	430.00	430.63	431.72	0.024833	5.81			22.04	13.69	1.46
Monte	97.333*	Max WS	UF Tr30_D6_int	134.20	427.73	430.06	430.71	431.83	0.024759	5.89			22.78	13.79	1.46
Monte	97	Max WS	UF Tr30_D1_int	60.09	427.60	429.05		429.65	0.011572	3.41			17.60	13.00	0.94
Monte	97	Max WS	UF Tr30_D3_int	127.99	427.60	429.69	429.86	430.92	0.016039	4.90			26.11	13.61	1.13
Monte	97	Max WS	UF Tr30_D6_int	134.20	427.60	429.75	429.93	431.02	0.016263	5.00			26.83	13.66	1.14
Monte	96	Max WS	UF Tr30_D1_int	60.09	427.31	428.88		429.23	0.006078	2.63			22.84	15.72	0.70
Monte	96	Max WS	UF Tr30_D3_int	127.99	427.31	429.44		430.27	0.010179	4.03			31.76	16.41	0.92
Monte	96	Max WS	UF Tr30_D6_int	134.20	427.31	429.49		430.35	0.010393	4.12			32.56	16.47	0.94
Monte	95.500*	Max WS	UF Tr30_D1_int	60.09	427.08	428.54	429.01	430.09	0.056832	5.52			10.88	14.59	2.04
Monte	95.500*	Max WS	UF Tr30_D3_int	127.99	427.08	429.19	429.73	431.00	0.034611	5.96			21.49	17.32	1.71
Monte	95.500*	Max WS	UF Tr30_D6_int	134.20	427.08	429.24	429.79	431.07	0.033296	5.98			22.43	17.38	1.68
Monte	95	Max WS	UF Tr30_D1_int	60.09	426.84	428.18		428.58	0.006285	2.79			21.51	17.59	0.81
Monte	95	Max WS	UF Tr30_D3_int	127.99	426.84	428.95		429.62	0.008053	3.61			35.44	18.38	0.83
Monte	95	Max WS	UF Tr30_D6_int	134.20	426.84	429.02		429.70	0.008039	3.67			36.59	18.44	0.83
Monte	94	Max WS	UF Tr30_D1_int	60.09	426.74	428.10	427.84	428.46	0.007175	2.67			22.52	16.80	0.74
Monte	94	Max WS	UF Tr30_D3_int	127.98	426.74	428.87	428.56	429.53	0.007909	3.61			35.50	16.82	0.79
Monte	94	Max WS	UF Tr30_D6_int	134.20	426.74	428.93	428.62	429.62	0.007959	3.67			36.54	16.82	0.80
Monte	93.50		Bridge												
Monte	92	Max WS	UF Tr30_D1_int	60.09	426.66	427.71	427.81	428.36	0.018933	3.57			16.84	17.55	1.16
Monte	92	Max WS	UF Tr30_D3_int	127.99	426.66	428.29	428.51	429.44	0.019194	4.74			27.01	17.55	1.22
Monte	92	Max WS	UF Tr30_D6_int	134.20	426.66	428.34	428.56	429.53	0.019265	4.83			27.81	17.55	1.22
Monte	91	Max WS	UF Tr30_D1_int	60.09	426.49	427.49	427.61	428.17	0.019945	3.67			16.39	17.01	1.19
Monte	91	Max WS	UF Tr30_D3_int	127.99	426.49	428.06	428.32	429.27	0.021141	4.88			26.21	17.54	1.28
Monte	91	Max WS	UF Tr30_D6_int	134.20	426.49	428.10	428.38	429.36	0.021171	4.97			27.01	17.54	1.28
Monte	90	Max WS	UF Tr30_D1_int	60.09	426.22	427.35		427.77	0.010986	2.86			20.99	21.76	0.93
Monte	90	Max WS	UF Tr30_D3_int	127.99	426.22	427.91	427.92	428.65	0.011536	3.82			33.50	22.75	1.01
Monte	90	Max WS	UF Tr30_D6_int	134.20	426.22	427.96	427.97	428.73	0.011553	3.89			34.53	22.83	1.01
Monte	89	Max WS	UF Tr30_D1_int	60.09	426.07	427.12	427.26	427.82	0.020727	3.72			16.17	18.18	1.26
Monte	89	Max WS	UF Tr30_D3_int	127.98	426.07	427.68	427.95	428.85	0.019723	4.79			26.69	19.07	1.29
Monte	89	Max WS	UF Tr30_D6_int	134.19	426.07	427.73	428.01	428.93	0.019652	4.87			27.56	19.14	1.30
Monte	88.500*	Max WS	UF Tr30_D1_int	60.09	425.58	426.81	426.94	427.49	0.017863	3.67			16.38	16.98	1.19
Monte	88.500*	Max WS	UF Tr30_D3_int	127.98	425.58	427.37	427.64	428.56	0.019039	4.84			26.45	18.58	1.30
Monte	88.500*	Max WS	UF Tr30_D6_int	134.19	425.58	427.42	427.70	428.65	0.019002	4.92			27.30	18.65	1.30
Monte	88	Max WS	UF Tr30_D1_int	59.92	425.09	426.58	426.54	427.11	0.010880	3.21			18.65	15.97	0.95
Monte	88	Max WS	UF Tr30_D3_int	127.98	425.09	427.09	427.30	428.22	0.016292	4.71			27.14	17.48	1.21
Monte	88	Max WS	UF Tr30_D6_int	134.19	425.09	427.13	427.37	428.31	0.016495	4.81			27.92	17.61	1.22
Monte	87.500*	Max WS	UF Tr30_D1_int	59.64	425.11	426.08	426.46	427.31	0.046148	4.92			12.13	16.67	1.84
Monte	87.500*	Max WS	UF Tr30_D3_int	126.83	425.11	426.65	427.15	428.29	0.033909	5.68			22.35	19.44	1.69
Monte	87.500*	Max WS	UF Tr30_D6_int	133.83	425.11	426.71	427.21	428.36	0.032485	5.69			23.50	19.68	1.66
Intermedio	87	Max WS	UF Tr30_D1_int	63.55	425.13	426.08	426.29	426.89	0.027705	3.99			15.94	20.25	1.43
Intermedio	87	Max WS	UF Tr30_D3_int	134.05	425.13	426.65	426.95	427.83	0.021420	4.82			27.83	21.55	1.35
Intermedio	87	Max WS	UF Tr30_D6_int	142.21	425.13	426.71	427.01	427.92	0.020977	4.89			29.11	21.69	1.35
Intermedio	86.9		Lat Struct												
Intermedio	86.8		Lat Struct												
Intermedio	86.500*	Max WS	UF Tr30_D1_int	63.55	424.71	425.81	426.01	426.62	0.024052	3.97			16.01	18.32	1.36
Intermedio	86.500*	Max WS	UF Tr30_D3_int	134.05	424.71	426.44	426.71	427.61	0.019006	4.80			27.94	19.72	1.29
Intermedio	86.500*	Max WS	UF Tr30_D6_int	142.21	424.71	426.50	426.78	427.71	0.018738	4.87			29.17	19.86	

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	85.500*	Max WS	UF Tr30_D1_int	63.59	424.16	425.48	425.53	426.11	0.014119	3.51			18.10	16.44	1.07
Intermedio	85.500*	Max WS	UF Tr30_D3_int	134.14	424.16	426.12	426.29	427.21	0.014893	4.62			29.06	17.74	1.15
Intermedio	85.500*	Max WS	UF Tr30_D6_int	142.33	424.16	426.18	426.37	427.32	0.014970	4.72			30.18	17.86	1.16
Intermedio	85	Max WS	UF Tr30_D1_int	63.61	424.04	425.33	425.44	426.03	0.016250	3.71			17.16	16.04	1.14
Intermedio	85	Max WS	UF Tr30_D3_int	134.18	424.04	425.96	426.20	427.15	0.016761	4.82			27.82	17.43	1.22
Intermedio	85	Max WS	UF Tr30_D6_int	142.38	424.04	426.02	426.27	427.26	0.016828	4.93			28.90	17.55	1.23
Intermedio	84.500*	Max WS	UF Tr30_D1_int	63.64	423.79	425.05	425.21	425.82	0.018669	3.88			16.41	16.05	1.22
Intermedio	84.500*	Max WS	UF Tr30_D3_int	134.25	423.79	425.69	426.03	426.93	0.018378	4.94			27.17	17.91	1.28
Intermedio	84.500*	Max WS	UF Tr30_D6_int	142.47	423.79	425.75	426.11	427.04	0.018349	5.03			28.30	18.09	1.28
Intermedio	84	Max WS	UF Tr30_D1_int	63.67	423.54	424.73	424.96	425.61	0.023068	4.15			15.36	15.91	1.35
Intermedio	84	Max WS	UF Tr30_D3_int	134.32	423.54	425.38	425.73	426.70	0.020689	5.08			26.42	18.32	1.35
Intermedio	84	Max WS	UF Tr30_D6_int	142.56	423.54	425.45	425.81	426.81	0.020507	5.16			27.60	18.54	1.35
Intermedio	83.500*	Max WS	UF Tr30_D1_int	63.69	423.19	424.48	424.62	425.20	0.019154	3.77			16.89	17.58	1.23
Intermedio	83.500*	Max WS	UF Tr30_D3_int	134.38	423.19	425.16	425.38	426.22	0.015776	4.55	0.42		29.72	21.90	1.19
Intermedio	83.500*	Max WS	UF Tr30_D6_int	142.63	423.19	425.23	425.45	426.31	0.015471	4.62	0.58		31.18	21.99	1.18
Intermedio	83	Max WS	UF Tr30_D1_int	63.72	422.84	424.30		424.77	0.010311	3.03			21.04	18.47	0.91
Intermedio	83	Max WS	UF Tr30_D3_int	134.43	422.84	425.00	424.96	425.77	0.010370	3.88	0.09		34.68	21.04	0.96
Intermedio	83	Max WS	UF Tr30_D6_int	142.68	422.84	425.07	425.05	425.86	0.010648	3.95	0.27		36.29	24.35	0.97
Intermedio	82.500*	Max WS	UF Tr30_D1_int	63.75	422.43	424.12		424.50	0.008083	2.73			23.39	20.69	0.82
Intermedio	82.500*	Max WS	UF Tr30_D3_int	134.51	422.43	424.82		425.44	0.008030	3.48	0.06		38.67	23.54	0.86
Intermedio	82.500*	Max WS	UF Tr30_D6_int	142.67	422.43	424.89		425.53	0.007955	3.54	0.24		40.41	25.90	0.86
Intermedio	82	Max WS	UF Tr30_D1_int	63.79	422.02	424.01		424.23	0.003835	2.09			30.49	22.94	0.58
Intermedio	82	Max WS	UF Tr30_D3_int	134.51	422.02	424.70		425.12	0.004579	2.86	0.25	0.18	47.43	29.68	0.67
Intermedio	82	Max WS	UF Tr30_D6_int	142.48	422.02	424.77		425.20	0.004567	2.92	0.34	0.28	49.41	29.68	0.67
Intermedio	81	Max WS	UF Tr30_D1_int	63.84	422.32	423.95	423.56	424.14	0.003932	1.94			32.96	28.63	0.58
Intermedio	81	Max WS	UF Tr30_D3_int	134.61	422.32	424.65	424.12	424.96	0.003691	2.45	0.44	0.30	56.73	41.33	0.60
Intermedio	81	Max WS	UF Tr30_D6_int	142.90	422.32	424.72	424.18	425.03	0.003631	2.50	0.50	0.37	59.58	41.33	0.60
Intermedio	80.750			Inl Struct											
Intermedio	80.500	Max WS	UF Tr30_D1_int	63.84	415.99	417.02	417.34	418.08	0.038066	4.56			13.99	18.62	1.68
Intermedio	80.500	Max WS	UF Tr30_D3_int	134.61	415.99	417.53	418.04	419.11	0.032718	5.57			24.16	20.90	1.66
Intermedio	80.500	Max WS	UF Tr30_D6_int	142.90	415.99	417.58	418.10	419.22	0.032519	5.66			25.23	21.18	1.66
Intermedio	80	Max WS	UF Tr30_D1_int	63.87	415.23	416.49	416.70	417.29	0.023305	3.96			16.15	18.25	1.34
Intermedio	80	Max WS	UF Tr30_D3_int	134.70	415.23	417.05	417.39	418.32	0.022078	4.99			26.99	20.34	1.38
Intermedio	80	Max WS	UF Tr30_D6_int	143.03	415.23	417.11	417.45	418.43	0.021982	5.09			28.11	20.46	1.39
Intermedio	79.983*	Max WS	UF Tr30_D1_int	63.91	414.76	416.04	416.25	416.87	0.023326	4.02			15.89	17.54	1.35
Intermedio	79.983*	Max WS	UF Tr30_D3_int	134.80	414.76	416.61	416.97	417.94	0.022632	5.10			26.43	19.66	1.40
Intermedio	79.983*	Max WS	UF Tr30_D6_int	143.15	414.76	416.67	417.05	418.04	0.022523	5.19			27.57	19.87	1.41
Intermedio	79.965*	Max WS	UF Tr30_D1_int	63.95	414.29	415.59	415.81	416.43	0.023180	4.06			15.76	17.07	1.35
Intermedio	79.965*	Max WS	UF Tr30_D3_int	134.88	414.29	416.16	416.54	417.53	0.022570	5.18			26.06	18.90	1.41
Intermedio	79.965*	Max WS	UF Tr30_D6_int	143.26	414.29	416.22	416.62	417.64	0.022485	5.27			27.20	19.13	1.41
Intermedio	79.948*	Max WS	UF Tr30_D1_int	63.99	413.83	415.14	415.36	415.99	0.023020	4.08			15.68	16.79	1.35
Intermedio	79.948*	Max WS	UF Tr30_D3_int	134.96	413.83	415.72	416.11	417.10	0.022384	5.20			25.93	18.55	1.41
Intermedio	79.948*	Max WS	UF Tr30_D6_int	143.37	413.83	415.78	416.18	417.21	0.022302	5.30			27.04	18.71	1.41
Intermedio	79.931*	Max WS	UF Tr30_D1_int	64.04	413.36	414.69	414.91	415.55	0.022963	4.10			15.62	16.58	1.35
Intermedio	79.931*	Max WS	UF Tr30_D3_int	135.05	413.36	415.28	415.66	416.66	0.021998	5.20			25.98	18.40	1.40
Intermedio	79.931*	Max WS	UF Tr30_D6_int	143.48	413.36	415.34	415.73	416.77	0.021899	5.29			27.11	18.58	1.40
Intermedio	79.914*	Max WS	UF Tr30_D1_int	64.08	412.89	414.24	414.46	415.10	0.022483	4.09			15.68	16.46	1.34
Intermedio	79.914*	Max WS	UF Tr30_D3_int	135.13	412.89	414.86	415.21	416.19	0.020932	5.12			26.41	18.45	1.37
Intermedio	79.914*	Max WS	UF Tr30_D6_int	143.59	412.89	414.92	415.29	416.30	0.020747	5.21			27.59	18.64	1.37
Intermedio	79.896*	Max WS	UF Tr30_D1_int	64.12	412.42	413.83	414.01	414.62	0.019824	3.93			16.31	16.49	1.26
Intermedio	79.896*	Max WS	UF Tr30_D3_int	135.22	412.42	414.47	414.76	415.70	0.018329	4.90			27.58	18.57	1.28
Intermedio	79.896*	Max WS	UF Tr30_D6_int	143.71	412.42	414.54	414.84	415.81	0.018163	4.99			28.82	18.75	1.28
Intermedio	79.879	Max WS	UF Tr30_D1_int	64.17	411.95	413.50	413.57	414.13	0.014286	3.51			18.30	17.15	1.08
Intermedio	79.879	Max WS	UF Tr30_D3_int	135.30	411.95	414.15	414.31	415.18	0.014190	4.50			30.08	18.91	1.14
Intermedio	79.879	Max WS	UF Tr30_D6_int	143.81	411.95	414.22	414.38	415.29	0.014159	4.59			31.36	19.08	1.14
Intermedio	79.862*	Max WS	UF Tr30_D1_int	64.21	411.64	413.22	413.29	413.85	0.014670	3.53			18.18	17.21	1.10
Intermedio	79.862*	Max WS	UF Tr30_D3_int	135.39	411.64	413.87	414.04	414.91	0.014411	4.52			29.95	18.94	1.15
Intermedio	79.862*	Max WS	UF Tr30_D6_int	143.93	411.64	413.94	414.11	415.02	0.014385	4.61			31.23	19.12	1.15
Intermedio	79.845*	Max WS	UF Tr30_D1_int	64.26	411.33	412.93	413.01	413.58	0.014933	3.56			18.05	17.10	1.11
Intermedio	79.845*	Max WS	UF Tr30_D3_int	135.48	411.33	413.58	413.76	414.63	0.014685	4.54			29.83	19.01	1.16
Intermedio	79.845*	Max WS	UF Tr30_D6_int	144.04	411.33	413.65	413.83	414.74	0.014645	4.63			31.11	19.22	1.16
Intermedio	79.827*	Max WS	UF Tr30_D1_int	64.32	411.02	412.64	412.73	413.29	0.015247	3.59			17.90	16.99	1.12
Intermedio	79.827*	Max WS	UF Tr30_D3_int	135.56	411.02	413.29	413.48	414.35	0.014963	4.56			29.74	19.16	1.17
Intermedio	79.827*	Max WS	UF Tr30_D6_int	144.15	411.02	413.36	413.55	414.46	0.014953	4.65			31.02	19.38	1.17
Intermedio	79.810*	Max WS	UF Tr30_D1_int	64.37	410.71	412.33	412.44	413.01	0.015637	3.63			17.74	16.90	1.13
Intermedio	79.810*	Max WS	UF Tr30_D3_int	135.65	410.71	412.99	413.18	414.05	0.015174	4.57			29.70	19.31	1.18
Intermedio	79.810*	Max WS	UF Tr30_D6_int	144.26	410.71	413.06	413.25	414.16	0.015178	4.66			30.96	19.50	1.18
Intermedio	79.793*	Max WS	UF Tr30_D1_int	64.43	410.40	412.02	412.14	412.71	0.016220	3.68			17.53	16.80	1.15
Intermedio	79.793*	Max WS	UF Tr30_D3_int	135.73	410.40	412.69	412.89	413.75	0.015325	4.57			29.71	19.45	1.19
Intermedio	79.793*	Max WS	UF Tr30_D6_int	144.37	410.40	412.75	412.96	413.86	0.015339	4.66			30.98	19.66	1.18
Intermedio	79.776*	Max WS	UF Tr30_D1_int	64.48	410.09	411.70	411.83	412.41	0.017128	3.74			17.24	16.75	1.18
Intermedio	79.776*	Max WS	UF Tr30_D3_int	135.82	410.09	412.38	412.59	413.44	0.015427	4.55			29.83	19.72	1.18
Intermedio	79.776*	Max WS	UF Tr30_D6_int	144.48	410.09	412.45	412.66	413.55	0.015420	4.64			31.15	20.00	1.19
Intermedio	79.759*	Max WS	UF Tr30_D1_int	64.53	409.78	411.37	411.52	412.10	0.017751	3.80			16.99	16.52	1.20
Intermedio	79.759*	Max WS	UF Tr30_D3_int	135.90	409.78	412.08	412.26	413.11	0.015373	4.50			30.17	20.23	1.18
Intermedio	79.759*	Max WS	UF Tr30_D6_int	144.59	409.78	412.15	412.34	413.21	0.015257	4.58			31.59	20.55	1.18
Intermedio	79.741*	Max WS	UF Tr30_D1_int	64.59	409.46	411.03	411.18	411.77	0.016872	3.81			16.95	15.71	1.17
Intermedio	79.741*	Max WS	UF Tr30_D3_int	135.99	409.46	411.78	411.94	412.76	0.014580	4.39			30.99	20.71	1.15
Intermedio	79.741*	Max WS	UF Tr30_D6_int	144.70	409.46	411.86	412.01	412.86	0.014256	4.44					

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	79.690*	Max WS	UF Tr30_D1_int	64.75	408.27	410.18		410.62	0.008492	2.94			22.05	17.94	0.85
Intermedio	79.690*	Max WS	UF Tr30_D3_int	136.24	408.27	411.12		411.67	0.006464	3.29			41.42	23.03	0.78
Intermedio	79.690*	Max WS	UF Tr30_D6_int	145.04	408.27	411.21		411.77	0.006800	3.32			43.68	24.92	0.80
Intermedio	79.673	Max WS	UF Tr30_D1_int	64.81	407.71	410.06	409.55	410.33	0.003992	2.29			28.29	18.87	0.60
Intermedio	79.673	Max WS	UF Tr30_D3_int	136.33	407.71	411.02	410.35	411.41	0.004142	2.76			49.44	25.66	0.63
Intermedio	79.673	Max WS	UF Tr30_D6_int	145.15	407.71	411.12	410.41	411.52	0.004107	2.80			51.91	26.19	0.63
Intermedio	79.66														
				Int Struct											
Intermedio	79.655	Max WS	UF Tr30_D1_int	64.81	406.07	407.51		407.93	0.010286	2.88			22.54	21.93	0.91
Intermedio	79.655	Max WS	UF Tr30_D3_int	136.33	406.07	408.16		408.85	0.009514	3.67			37.15	23.02	0.92
Intermedio	79.655	Max WS	UF Tr30_D6_int	145.14	406.07	408.23		408.95	0.009455	3.74			38.77	23.14	0.92
Intermedio	79.65														
				Lat Struct											
Intermedio	79.64														
				Lat Struct											
Intermedio	79.638*	Max WS	UF Tr30_D1_int	64.86	405.75	407.24	407.35	407.87	0.016766	3.50			18.52	19.70	1.15
Intermedio	79.638*	Max WS	UF Tr30_D3_int	136.41	405.75	407.94	408.03	408.78	0.013275	4.06			33.63	23.93	1.09
Intermedio	79.638*	Max WS	UF Tr30_D6_int	145.26	405.75	408.01	408.10	408.87	0.012890	4.10			35.41	24.20	1.08
Intermedio	79.621	Max WS	UF Tr30_D1_int	64.92	405.43	406.98		407.44	0.009877	3.00			21.63	19.35	0.91
Intermedio	79.621	Max WS	UF Tr30_D3_int	136.50	405.43	407.72		408.42	0.008974	3.71			36.81	22.01	0.92
Intermedio	79.621	Max WS	UF Tr30_D6_int	145.36	405.43	407.80		408.52	0.008878	3.77			38.55	22.26	0.91
Intermedio	79.604*	Max WS	UF Tr30_D1_int	64.97	405.05	406.77	406.74	407.30	0.011103	3.21			20.21	17.77	0.96
Intermedio	79.604*	Max WS	UF Tr30_D3_int	136.58	405.05	407.53	407.49	408.32	0.010171	3.94			34.68	20.76	0.97
Intermedio	79.604*	Max WS	UF Tr30_D6_int	145.48	405.05	407.61	407.57	408.42	0.010085	4.00			36.37	21.11	0.97
Intermedio	79.586*	Max WS	UF Tr30_D1_int	65.03	404.68	406.55	406.55	407.13	0.012088	3.38			19.26	16.72	1.00
Intermedio	79.586*	Max WS	UF Tr30_D3_int	136.67	404.68	407.32	407.32	408.18	0.010746	4.10			33.32	19.45	1.00
Intermedio	79.586*	Max WS	UF Tr30_D6_int	145.60	404.68	407.40	407.41	408.29	0.010606	4.17			34.94	19.69	1.00
Intermedio	79.569	Max WS	UF Tr30_D1_int	65.08	404.31	406.33		406.90	0.010156	3.34			19.48	14.76	0.93
Intermedio	79.569	Max WS	UF Tr30_D3_int	136.75	404.31	407.11	407.11	408.05	0.010704	4.31			31.76	16.69	1.00
Intermedio	79.569	Max WS	UF Tr30_D6_int	145.71	404.31	407.19	407.20	408.18	0.010743	4.39			33.16	16.92	1.00
Intermedio	79.552*	Max WS	UF Tr30_D1_int	65.14	404.16	406.13	406.07	406.70	0.010449	3.36			19.37	14.91	0.94
Intermedio	79.552*	Max WS	UF Tr30_D3_int	136.83	404.16	406.90	406.92	407.85	0.011015	4.33			31.59	16.90	1.01
Intermedio	79.552*	Max WS	UF Tr30_D6_int	145.82	404.16	406.98	407.00	407.97	0.011040	4.42			33.01	17.14	1.02
Intermedio	79.535*	Max WS	UF Tr30_D1_int	65.19	404.01	405.92	405.87	406.50	0.010791	3.38			19.27	15.11	0.96
Intermedio	79.535*	Max WS	UF Tr30_D3_int	136.92	404.01	406.68	406.72	407.64	0.011296	4.35			31.50	17.14	1.02
Intermedio	79.535*	Max WS	UF Tr30_D6_int	145.93	404.01	406.76	406.80	407.76	0.011295	4.43			32.93	17.38	1.03
Intermedio	79.518*	Max WS	UF Tr30_D1_int	65.25	403.86	405.71	405.68	406.29	0.011151	3.40			19.21	15.38	0.97
Intermedio	79.518*	Max WS	UF Tr30_D3_int	137.00	403.86	406.46	406.50	407.42	0.011505	4.35			31.48	17.39	1.03
Intermedio	79.518*	Max WS	UF Tr30_D6_int	146.04	403.86	406.54	406.59	407.54	0.011484	4.43			32.94	17.62	1.04
Intermedio	79.502*	Max WS	UF Tr30_D1_int	65.30	403.71	405.49	405.47	406.08	0.011488	3.40			19.20	15.72	0.98
Intermedio	79.502*	Max WS	UF Tr30_D3_int	137.08	403.71	406.23	406.28	407.19	0.011613	4.34			31.58	17.65	1.04
Intermedio	79.502*	Max WS	UF Tr30_D6_int	146.15	403.71	406.31	406.37	407.31	0.011572	4.42			33.05	17.88	1.04
Intermedio	79.485*	Max WS	UF Tr30_D1_int	65.35	403.57	405.26	405.25	405.85	0.011678	3.39			19.25	16.01	0.99
Intermedio	79.485*	Max WS	UF Tr30_D3_int	137.15	403.57	406.00	406.04	406.95	0.011585	4.31			31.81	17.93	1.03
Intermedio	79.485*	Max WS	UF Tr30_D6_int	146.27	403.57	406.09	406.13	407.07	0.011514	4.39			33.33	18.16	1.03
Intermedio	79.468*	Max WS	UF Tr30_D1_int	65.41	403.42	405.04	405.03	405.62	0.011714	3.37			19.39	16.31	0.99
Intermedio	79.468*	Max WS	UF Tr30_D3_int	137.24	403.42	405.78	405.81	406.70	0.011375	4.26			32.23	18.24	1.02
Intermedio	79.468*	Max WS	UF Tr30_D6_int	146.38	403.42	405.86	405.90	406.82	0.011291	4.33			33.80	18.51	1.02
Intermedio	79.451	Max WS	UF Tr30_D1_int	65.46	403.27	404.81	404.78	405.37	0.011467	3.32			19.69	16.62	0.98
Intermedio	79.451	Max WS	UF Tr30_D3_int	137.33	403.27	405.56	405.57	406.45	0.010938	4.17			32.92	18.62	1.00
Intermedio	79.451	Max WS	UF Tr30_D6_int	146.49	403.27	405.65	405.66	406.56	0.010920	4.24			34.54	19.02	1.00
Intermedio	79.434*	Max WS	UF Tr30_D1_int	65.51	402.99	404.57	404.60	405.16	0.013146	3.41			19.22	17.47	1.04
Intermedio	79.434*	Max WS	UF Tr30_D3_int	137.42	402.99	405.35	405.35	406.21	0.010777	4.10			33.52	19.40	1.00
Intermedio	79.434*	Max WS	UF Tr30_D6_int	146.60	402.99	405.44	405.43	406.32	0.010582	4.16			35.25	19.65	0.99
Intermedio	79.418	Max WS	UF Tr30_D1_int	65.57	402.71	404.34	404.30	404.85	0.011121	3.19			20.58	17.88	0.95
Intermedio	79.418	Max WS	UF Tr30_D3_int	137.51	402.71	405.16		405.89	0.008974	3.79			36.29	20.29	0.90
Intermedio	79.418	Max WS	UF Tr30_D6_int	146.71	402.71	405.25		406.00	0.006792	3.85			38.15	20.49	0.90
Intermedio	79.401*	Max WS	UF Tr30_D1_int	65.62	402.41	404.12	404.08	404.65	0.010828	3.21			20.42	17.39	0.95
Intermedio	79.401*	Max WS	UF Tr30_D3_int	137.60	402.41	404.99		405.71	0.008570	3.77			36.49	20.00	0.89
Intermedio	79.401*	Max WS	UF Tr30_D6_int	146.82	402.41	405.08		405.83	0.008452	3.82			38.39	20.35	0.89
Intermedio	79.384	Max WS	UF Tr30_D1_int	65.67	402.12	403.95		404.36	0.007009	2.83			23.17	16.67	0.77
Intermedio	79.384	Max WS	UF Tr30_D3_int	137.70	402.12	404.84		405.47	0.006714	3.53			38.99	19.03	0.79
Intermedio	79.384	Max WS	UF Tr30_D6_int	146.93	402.12	404.93		405.59	0.006702	3.60			40.82	19.28	0.79
Intermedio	79.367	Max WS	UF Tr30_D1_int	65.73	401.90	403.85		404.16	0.004925	2.48			26.55	18.57	0.66
Intermedio	79.367	Max WS	UF Tr30_D3_int	137.79	401.90	404.73		405.22	0.005112	3.11			44.35	22.34	0.70
Intermedio	79.367	Max WS	UF Tr30_D6_int	147.05	401.90	404.82		405.33	0.005070	3.16			46.48	22.59	0.70
Intermedio	79.350*	Max WS	UF Tr30_D1_int	65.78	401.72	403.72		404.10	0.006841	2.72			24.17	18.96	0.77
Intermedio	79.350*	Max WS	UF Tr30_D3_int	137.88	401.72	404.61		405.14	0.006041	3.22			42.84	23.53	0.76
Intermedio	79.350*	Max WS	UF Tr30_D6_int	147.16	401.72	404.71		405.25	0.005913	3.26			45.12	23.87	0.76
Intermedio	79.334*	Max WS	UF Tr30_D1_int	65.84	401.53	403.59		403.97	0.006850	2.73			24.16	18.86	0.77
Intermedio	79.334*	Max WS	UF Tr30_D3_int	137.97	401.53	404.50		405.01	0.005961	3.14			43.97	24.82	0.75
Intermedio	79.334*	Max WS	UF Tr30_D6_int	147.27	401.53	404.60		405.12	0.005813	3.17			46.43	25.32	0.75
Intermedio	79.317	Max WS	UF Tr30_D1_int	65.89	401.34	403.50	402.98	403.77	0.003730	2.28			28.92	18.43	0.58
Intermedio	79.317	Max WS	UF Tr30_D3_int	138.07	401.34	404.42	403.74	404.83	0.004735	2.85		0.07	48.36	26.46	0.67
Intermedio	79.317	Max WS	UF Tr30_D6_int	147.38	401.34	404.52	403.82	404.94	0.004779	2.88	0.15	0.18	51.52	33.20	0.68
Intermedio	79.310														
				Int Struct											
Intermedio	79.284	Max WS	UF Tr30_D1_int	65.89	398.35	400.19		400.62	0.007078	2.92			22.59	15.97	0.78
Intermedio	79.284	Max WS	UF Tr30_D3_int	138.06	398.35	401.17		401.76	0.006100	3.46			39.88	19.07	0.76
Intermedio	79.284	Max WS	UF Tr30_D6_int	147.38	398.35	401.28		401.91	0.006035	3.52			41.92	19.40	0.76
Intermedio	79.267	Max WS	UF Tr30_D1_int	65.95	397.81	400.09	399.55	400.37	0.003837	2.32			28.38	17.93	0.59
Intermedio	79.267	Max WS	UF Tr30_D3_int	138.16	397.81	401.11	400.36	401.52	0.003872	2.85			48.43	22.34	0.62
Intermedio	79.267	Max WS	UF Tr30_D6_int	147.49	397.81	401.22	400.45	401.64	0.003964	2.90		</			

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	79.216*	Max WS	UF Tr30_D1_int	66.00	396.43	398.20	398.30	398.90	0.015242	3.72			17.77	15.91	1.12
Intermedio	79.216*	Max WS	UF Tr30_D3_int	138.25	396.43	398.95	399.10	399.96	0.013804	4.44			31.13	19.63	1.13
Intermedio	79.216*	Max WS	UF Tr30_D6_int	147.60	396.43	399.03	399.18	400.07	0.013589	4.51			32.75	19.93	1.12
Intermedio	79.199*	Max WS	UF Tr30_D1_int	66.07	396.14	397.90	398.00	398.62	0.014998	3.75			17.63	15.36	1.12
Intermedio	79.199*	Max WS	UF Tr30_D3_int	138.34	396.14	398.69	398.82	399.70	0.013153	4.47			30.96	18.52	1.10
Intermedio	79.199*	Max WS	UF Tr30_D6_int	147.71	396.14	398.77	398.90	399.82	0.012968	4.54			32.56	18.81	1.10
Intermedio	79.183*	Max WS	UF Tr30_D1_int	66.13	395.84	397.62	397.69	398.33	0.014110	3.73			17.73	14.78	1.09
Intermedio	79.183*	Max WS	UF Tr30_D3_int	138.43	395.84	398.44	398.54	399.46	0.012415	4.48			30.91	17.44	1.07
Intermedio	79.183*	Max WS	UF Tr30_D6_int	147.82	395.84	398.53	398.63	399.58	0.012282	4.55			32.47	17.70	1.07
Intermedio	79.166*	Max WS	UF Tr30_D1_int	66.19	395.55	397.36	397.39	398.04	0.012363	3.64			18.18	14.02	1.02
Intermedio	79.166*	Max WS	UF Tr30_D3_int	138.52	395.55	398.20	398.25	399.22	0.011672	4.47			30.97	16.43	1.04
Intermedio	79.166*	Max WS	UF Tr30_D6_int	147.94	395.55	398.29	398.36	399.35	0.011619	4.56			32.47	16.65	1.04
Intermedio	79.149	Max WS	UF Tr30_D1_int	66.25	395.25	397.14		397.76	0.010299	3.48			19.02	13.36	0.93
Intermedio	79.149	Max WS	UF Tr30_D3_int	138.62	395.25	397.98	397.98	398.99	0.010971	4.46			31.10	15.40	1.00
Intermedio	79.149	Max WS	UF Tr30_D6_int	148.05	395.25	398.07	398.09	399.13	0.011035	4.55			32.51	15.61	1.01
Intermedio	79.132*	Max WS	UF Tr30_D1_int	66.31	395.08	396.95		397.53	0.010032	3.39			19.55	14.20	0.92
Intermedio	79.132*	Max WS	UF Tr30_D3_int	138.71	395.08	397.77	397.74	398.72	0.010395	4.30			32.23	16.42	0.98
Intermedio	79.132*	Max WS	UF Tr30_D6_int	148.16	395.08	397.86	397.85	398.85	0.010426	4.39			33.72	16.65	0.99
Intermedio	79.115*	Max WS	UF Tr30_D1_int	66.38	394.91	396.75		397.31	0.009761	3.30			20.12	15.05	0.91
Intermedio	79.115*	Max WS	UF Tr30_D3_int	138.80	394.91	397.57	397.52	398.45	0.009814	4.15			33.48	17.51	0.96
Intermedio	79.115*	Max WS	UF Tr30_D6_int	148.27	394.91	397.66	397.61	398.58	0.009792	4.23			35.07	17.73	0.96
Intermedio	79.099*	Max WS	UF Tr30_D1_int	66.44	394.74	396.57		397.09	0.009466	3.21			20.72	15.91	0.90
Intermedio	79.099*	Max WS	UF Tr30_D3_int	138.90	394.74	397.39		398.20	0.009160	3.98			34.92	18.60	0.93
Intermedio	79.099*	Max WS	UF Tr30_D6_int	148.38	394.74	397.48		398.32	0.009083	4.05			36.63	18.81	0.93
Intermedio	79.082*	Max WS	UF Tr30_D1_int	66.50	394.57	396.39		396.88	0.009103	3.11			21.38	16.78	0.88
Intermedio	79.082*	Max WS	UF Tr30_D3_int	138.99	394.57	397.22		397.95	0.008408	3.80			36.61	19.70	0.89
Intermedio	79.082*	Max WS	UF Tr30_D6_int	148.50	394.57	397.31		398.07	0.008295	3.86			38.46	19.91	0.89
Intermedio	79.065	Max WS	UF Tr30_D1_int	66.57	394.40	396.21		396.67	0.008632	3.00			22.17	17.66	0.86
Intermedio	79.065	Max WS	UF Tr30_D3_int	139.09	394.40	397.06		397.72	0.007568	3.60			38.63	20.83	0.84
Intermedio	79.065	Max WS	UF Tr30_D6_int	148.60	394.40	397.16		397.84	0.007427	3.66			40.64	21.05	0.84
Intermedio	79.048*	Max WS	UF Tr30_D1_int	66.62	394.29	396.05		396.48	0.008510	2.91			22.87	19.09	0.85
Intermedio	79.048*	Max WS	UF Tr30_D3_int	139.18	394.29	396.92		397.52	0.006558	3.42			40.66	21.37	0.79
Intermedio	79.048*	Max WS	UF Tr30_D6_int	148.72	394.29	397.02		397.64	0.006433	3.48			42.79	21.59	0.79
Intermedio	79.032*	Max WS	UF Tr30_D1_int	66.69	394.18	395.90		396.25	0.006240	2.61			25.59	19.92	0.73
Intermedio	79.032*	Max WS	UF Tr30_D3_int	139.27	394.18	396.81		397.31	0.005045	3.11			44.76	22.18	0.70
Intermedio	79.032*	Max WS	UF Tr30_D6_int	148.83	394.18	396.92		397.43	0.004967	3.16			47.06	22.42	0.70
Intermedio	79.015	Max WS	UF Tr30_D1_int	66.77	394.07	395.84	395.30	396.07	0.003407	2.12			31.54	20.78	0.55
Intermedio	79.015	Max WS	UF Tr30_D3_int	139.36	394.07	396.79	396.00	397.15	0.003285	2.67			52.18	22.99	0.57
Intermedio	79.015	Max WS	UF Tr30_D6_int	148.94	394.07	396.89	396.07	397.27	0.003290	2.73			54.60	23.29	0.57
Intermedio	79.005			Int Struct											
Intermedio	79	Max WS	UF Tr30_D1_int	66.76	392.73	394.34		394.69	0.006883	2.60			25.64	20.48	0.74
Intermedio	79	Max WS	UF Tr30_D3_int	139.36	392.73	395.15		395.69	0.006183	3.25			42.82	21.66	0.74
Intermedio	79	Max WS	UF Tr30_D6_int	148.94	392.73	395.24		395.80	0.006102	3.32			44.90	21.73	0.74
Intermedio	78.932	Max WS	UF Tr30_D1_int	66.83	392.59	394.16	394.14	394.68	0.011502	3.21			20.84	18.96	0.98
Intermedio	78.932	Max WS	UF Tr30_D3_int	139.46	392.59	395.00		395.68	0.008423	3.63			38.39	22.65	0.89
Intermedio	78.932	Max WS	UF Tr30_D6_int	149.05	392.59	395.10		395.79	0.008194	3.67			40.63	23.12	0.88
Intermedio	78.864*	Max WS	UF Tr30_D1_int	66.91	392.19	393.95		394.41	0.009211	2.98			22.42	19.18	0.88
Intermedio	78.864*	Max WS	UF Tr30_D3_int	139.55	392.19	394.85		395.44	0.006679	3.39			41.22	22.60	0.80
Intermedio	78.864*	Max WS	UF Tr30_D6_int	149.16	392.19	394.96		395.55	0.006527	3.43			43.55	23.03	0.80
Intermedio	78.796	Max WS	UF Tr30_D1_int	67.00	391.78	393.81		394.13	0.005942	2.54			26.35	20.40	0.71
Intermedio	78.796	Max WS	UF Tr30_D3_int	139.64	391.78	394.74		395.20	0.004610	2.99			46.65	22.83	0.67
Intermedio	78.796	Max WS	UF Tr30_D6_int	149.28	391.78	394.85		395.32	0.004521	3.04			49.13	23.11	0.67
Intermedio	78.728	Max WS	UF Tr30_D1_int	67.08	391.70	393.74	393.24	393.98	0.003655	2.18			30.77	20.42	0.57
Intermedio	78.728	Max WS	UF Tr30_D3_int	139.73	391.70	394.70	393.93	395.08	0.003378	2.72			51.29	22.31	0.57
Intermedio	78.728	Max WS	UF Tr30_D6_int	149.39	391.70	394.81	394.01	395.21	0.003365	2.78			53.72	22.53	0.58
Intermedio	78.7			Int Struct											
Intermedio	78.661	Max WS	UF Tr30_D1_int	67.08	387.93	389.45		389.85	0.007355	2.79			24.08	18.85	0.79
Intermedio	78.661	Max WS	UF Tr30_D3_int	139.73	387.93	390.12		390.84	0.006482	3.77			37.02	19.85	0.88
Intermedio	78.661	Max WS	UF Tr30_D6_int	149.39	387.93	390.20		390.96	0.006552	3.87			38.58	19.97	0.89
Intermedio	78.593	Max WS	UF Tr30_D1_int	67.17	387.77	389.25	389.25	389.78	0.012608	3.20			20.98	20.13	1.00
Intermedio	78.593	Max WS	UF Tr30_D3_int	139.82	387.77	389.92	389.93	390.74	0.011229	4.00			34.94	21.57	1.00
Intermedio	78.593	Max WS	UF Tr30_D6_int	149.50	387.77	390.00	390.01	390.85	0.011095	4.08			36.65	21.74	1.00
Intermedio	78.525*	Max WS	UF Tr30_D1_int	67.26	387.39	389.00	389.03	389.58	0.013320	3.37			19.98	18.86	1.04
Intermedio	78.525*	Max WS	UF Tr30_D3_int	139.92	387.39	389.70	389.73	390.57	0.011678	4.13			33.86	20.92	1.04
Intermedio	78.525*	Max WS	UF Tr30_D6_int	149.61	387.39	389.78	389.82	390.68	0.011550	4.20			35.58	21.21	1.04
Intermedio	78.457	Max WS	UF Tr30_D1_int	67.35	387.01	388.77		389.25	0.010579	3.08			21.87	19.86	0.94
Intermedio	78.457	Max WS	UF Tr30_D3_int	140.02	387.01	389.49		390.22	0.009205	3.77			37.10	21.95	0.93
Intermedio	78.457	Max WS	UF Tr30_D6_int	149.73	387.01	389.58		390.33	0.009075	3.84			38.97	22.15	0.93
Intermedio	78.389*	Max WS	UF Tr30_D1_int	67.44	386.75	388.56		389.05	0.010309	3.08			21.92	19.59	0.93
Intermedio	78.389*	Max WS	UF Tr30_D3_int	140.11	386.75	389.31		390.03	0.008772	3.74			37.48	21.72	0.91
Intermedio	78.389*	Max WS	UF Tr30_D6_int	149.84	386.75	389.40		390.14	0.008643	3.80			39.39	21.94	0.91
Intermedio	78.321*	Max WS	UF Tr30_D1_int	67.52	386.50	388.37		388.84	0.009920	3.06			22.05	19.28	0.91
Intermedio	78.321*	Max WS	UF Tr30_D3_int	140.20	386.50	389.15		389.84	0.008299	3.69			37.98	21.49	0.89
Intermedio	78.321*	Max WS	UF Tr30_D6_int	149.95	386.50	389.24		389.95	0.008172	3.75			39.93	21.73	0.88
Intermedio	78.254*	Max WS	UF Tr30_D1_int	67.62	386.25	388.16		388.65	0.009282	3.02			22.36	18.85	0.89
Intermedio	78.254*	Max WS	UF Tr30_D3_int	140.30	386.25	388.99		389.66	0.007780	3.63			36.60	21.26	0.86
Intermedio	78.254*	Max WS	UF Tr30_D6_int	150.06	386.25	389.08		389.78	0.007680	3.70			40.58	21.52	0.86
Intermedio	78.186*	Max WS	UF Tr30_D1_int	67.71	385.99	388.01		388.45	0.008291	2.95			22.93	18.35	0.84
Intermedio	78.186*	Max WS	UF Tr30_D3_int	140.40	385.99	388.84		389.49	0.007232	3.57			39.37	21.03	0.83
Intermedio	78.186*	Max WS	UF Tr30_D6_int	150.17	385.99	388.93		389.61	0.007164	3.63			41.36	21.31	0.83
Intermedio	78.118*	Max WS	UF Tr30_D1_int	67.80	385.74	387.86		388.27	0.007135	2.84			23.85	17.92	0.79
Intermedio	78.118*	Max WS													

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Intermedio	78.05	Max WS	UF_Tr30_D6_int	150.40	385.49	388.68	388.28	389.30	0.005702	3.50			42.92	20.88	0.75
Intermedio	78.025			Bridge											
Intermedio	78	Max WS	UF_Tr30_D1_int	67.89	384.97	386.84	386.92	387.53	0.014358	3.67			18.48	15.94	1.09
Intermedio	78	Max WS	UF_Tr30_D3_int	140.59	384.97	387.54	387.70	388.63	0.013690	4.63			30.34	18.54	1.13
Intermedio	78	Max WS	UF_Tr30_D6_int	150.40	384.97	387.62	387.79	388.76	0.013597	4.73			31.80	18.82	1.13
Intermedio	77.95		Lat Struct												
Intermedio	77.93		Lat Struct												
Intermedio	77.923*	Max WS	UF_Tr30_D1_int	67.98	384.70	386.57	386.64	387.26	0.014333	3.68			18.46	15.84	1.09
Intermedio	77.923*	Max WS	UF_Tr30_D3_int	140.68	384.70	387.28	387.44	388.35	0.014088	4.59			30.66	18.40	1.14
Intermedio	77.923*	Max WS	UF_Tr30_D6_int	150.50	384.70	387.36	387.53	388.47	0.014005	4.68			32.19	18.68	1.14
Intermedio	77.846*	Max WS	UF_Tr30_D1_int	68.07	384.44	386.30	386.37	386.99	0.014320	3.69			18.42	15.73	1.09
Intermedio	77.846*	Max WS	UF_Tr30_D3_int	140.79	384.44	387.01	387.17	388.09	0.014010	4.60			30.62	18.24	1.13
Intermedio	77.846*	Max WS	UF_Tr30_D6_int	150.61	384.44	387.10	387.26	388.21	0.013914	4.68			32.17	18.52	1.13
Intermedio	77.769*	Max WS	UF_Tr30_D1_int	68.16	384.17	386.02	386.10	386.73	0.014344	3.71			18.37	15.61	1.09
Intermedio	77.769*	Max WS	UF_Tr30_D3_int	140.88	384.17	386.75	386.90	387.83	0.013903	4.60			30.60	18.08	1.13
Intermedio	77.769*	Max WS	UF_Tr30_D6_int	150.72	384.17	386.83	387.00	387.95	0.013808	4.69			32.15	18.36	1.13
Intermedio	77.692*	Max WS	UF_Tr30_D1_int	68.26	383.90	385.75	385.83	386.46	0.014346	3.73			18.32	15.48	1.09
Intermedio	77.692*	Max WS	UF_Tr30_D3_int	140.98	383.90	386.49	386.64	387.57	0.013807	4.61			30.59	17.94	1.13
Intermedio	77.692*	Max WS	UF_Tr30_D6_int	150.83	383.90	386.57	386.74	387.69	0.013724	4.69			32.15	18.24	1.13
Intermedio	77.615*	Max WS	UF_Tr30_D1_int	68.36	383.63	385.48	385.56	386.19	0.014262	3.74			18.30	15.33	1.09
Intermedio	77.615*	Max WS	UF_Tr30_D3_int	141.08	383.63	386.23	386.38	387.31	0.013722	4.61			30.59	17.82	1.12
Intermedio	77.615*	Max WS	UF_Tr30_D6_int	150.94	383.63	386.31	386.47	387.44	0.013645	4.70			32.15	18.13	1.13
Intermedio	77.538*	Max WS	UF_Tr30_D1_int	68.46	383.36	385.22	385.29	385.93	0.014173	3.75			18.28	15.17	1.09
Intermedio	77.538*	Max WS	UF_Tr30_D3_int	141.17	383.36	385.97	386.12	387.05	0.013630	4.61			30.60	17.72	1.12
Intermedio	77.538*	Max WS	UF_Tr30_D6_int	151.04	383.36	386.05	386.21	387.18	0.013566	4.70			32.16	18.04	1.12
Intermedio	77.462*	Max WS	UF_Tr30_D1_int	68.56	383.10	384.95	385.02	385.67	0.014015	3.75			18.28	15.00	1.08
Intermedio	77.462*	Max WS	UF_Tr30_D3_int	141.26	383.10	385.71	385.86	386.79	0.013527	4.61			30.64	17.65	1.12
Intermedio	77.462*	Max WS	UF_Tr30_D6_int	151.15	383.10	385.80	385.95	386.92	0.013483	4.69			32.20	17.97	1.12
Intermedio	77.385*	Max WS	UF_Tr30_D1_int	68.66	382.83	384.69	384.75	385.40	0.013789	3.75			18.30	14.80	1.08
Intermedio	77.385*	Max WS	UF_Tr30_D3_int	141.36	382.83	385.45	385.60	386.53	0.013410	4.60			30.72	17.61	1.11
Intermedio	77.385*	Max WS	UF_Tr30_D6_int	151.26	382.83	385.54	385.69	386.66	0.013382	4.69			32.27	17.94	1.12
Intermedio	77.308*	Max WS	UF_Tr30_D1_int	68.76	382.56	384.43	384.49	385.14	0.013485	3.74			18.36	14.62	1.07
Intermedio	77.308*	Max WS	UF_Tr30_D3_int	141.46	382.56	385.20	385.33	386.27	0.013273	4.59			30.84	17.61	1.11
Intermedio	77.308*	Max WS	UF_Tr30_D6_int	151.37	382.56	385.29	385.43	386.40	0.013259	4.67			32.39	17.95	1.11
Intermedio	77.231*	Max WS	UF_Tr30_D1_int	68.87	382.29	384.18	384.23	384.88	0.013151	3.72			18.52	14.59	1.05
Intermedio	77.231*	Max WS	UF_Tr30_D3_int	141.56	382.29	384.95	385.07	386.01	0.012893	4.56			31.04	17.45	1.09
Intermedio	77.231*	Max WS	UF_Tr30_D6_int	151.47	382.29	385.04	385.16	386.14	0.012777	4.65			32.60	17.64	1.09
Intermedio	77.154*	Max WS	UF_Tr30_D1_int	68.99	382.03	383.93	383.96	384.62	0.012632	3.67			18.80	14.63	1.03
Intermedio	77.154*	Max WS	UF_Tr30_D3_int	141.66	382.03	384.71	384.80	385.76	0.012281	4.52			31.34	17.10	1.07
Intermedio	77.154*	Max WS	UF_Tr30_D6_int	151.58	382.03	384.81	384.89	385.89	0.012180	4.61			32.90	17.29	1.07
Intermedio	77.077*	Max WS	UF_Tr30_D1_int	69.10	381.76	383.70	383.71	384.36	0.011884	3.59			19.26	14.78	1.00
Intermedio	77.077*	Max WS	UF_Tr30_D3_int	141.76	381.76	384.49	384.54	385.50	0.011566	4.46			31.75	16.74	1.04
Intermedio	77.077*	Max WS	UF_Tr30_D6_int	151.69	381.76	384.58	384.63	385.64	0.011510	4.55			33.31	16.92	1.04
Intermedio	77	Max WS	UF_Tr30_D1_int	69.22	381.49	383.49	383.44	384.10	0.010600	3.46			20.03	14.85	0.95
Intermedio	77	Max WS	UF_Tr30_D3_int	141.85	381.49	384.28	384.27	385.26	0.010789	4.39			32.28	16.37	1.00
Intermedio	77	Max WS	UF_Tr30_D6_int	151.80	381.49	384.37	384.37	385.40	0.010801	4.49			33.80	16.55	1.00
Intermedio	76.917*	Max WS	UF_Tr30_D1_int	69.34	381.32	383.29	383.24	383.90	0.010587	3.45			20.08	14.99	0.95
Intermedio	76.917*	Max WS	UF_Tr30_D3_int	141.95	381.32	384.07	384.07	385.05	0.010776	4.38			32.43	16.68	1.00
Intermedio	76.917*	Max WS	UF_Tr30_D6_int	151.90	381.32	384.16	384.17	385.18	0.010785	4.47			33.97	16.89	1.01
Intermedio	76.833*	Max WS	UF_Tr30_D1_int	69.45	381.16	383.09	383.05	383.70	0.010627	3.45			20.13	15.13	0.96
Intermedio	76.833*	Max WS	UF_Tr30_D3_int	142.05	381.16	383.87	383.87	384.84	0.010825	4.36			32.58	17.05	1.01
Intermedio	76.833*	Max WS	UF_Tr30_D6_int	152.01	381.16	383.96	383.97	384.97	0.010824	4.45			34.15	17.29	1.01
Intermedio	76.750*	Max WS	UF_Tr30_D1_int	69.57	381.00	382.89	382.85	383.50	0.010773	3.46			20.13	15.28	0.96
Intermedio	76.750*	Max WS	UF_Tr30_D3_int	142.15	381.00	383.66	383.68	384.62	0.010997	4.35			32.69	17.50	1.02
Intermedio	76.750*	Max WS	UF_Tr30_D6_int	152.12	381.00	383.75	383.77	384.75	0.010976	4.43			34.32	17.79	1.02
Intermedio	76.666*	Max WS	UF_Tr30_D1_int	69.69	380.83	382.68	382.65	383.30	0.011075	3.48			20.04	15.40	0.97
Intermedio	76.666*	Max WS	UF_Tr30_D3_int	142.25	380.83	383.45	383.48	384.41	0.011404	4.34			32.76	18.15	1.03
Intermedio	76.666*	Max WS	UF_Tr30_D6_int	152.22	380.83	383.54	383.59	384.53	0.011364	4.42			34.46	18.54	1.03
Intermedio	76.583	Max WS	UF_Tr30_D1_int	69.81	380.67	382.47	382.46	383.10	0.011683	3.53			19.80	15.50	1.00
Intermedio	76.583	Max WS	UF_Tr30_D3_int	142.35	380.67	383.22	383.31	384.18	0.012806	4.34			32.78	19.94	1.08
Intermedio	76.583	Max WS	UF_Tr30_D6_int	152.33	380.67	383.31	383.40	384.30	0.012471	4.40			34.64	20.24	1.07
Intermedio	76.500*	Max WS	UF_Tr30_D1_int	69.93	380.49	382.25	382.22	382.83	0.010900	3.36			20.79	16.76	0.96
Intermedio	76.500*	Max WS	UF_Tr30_D3_int	142.45	380.49	382.99	383.02	383.86	0.011425	4.11			34.64	21.26	1.03
Intermedio	76.500*	Max WS	UF_Tr30_D6_int	152.44	380.49	383.09	383.11	383.97	0.011138	4.16			36.62	21.62	1.02
Intermedio	76.416*	Max WS	UF_Tr30_D1_int	70.04	380.31	382.05		382.58	0.010288	3.22			21.77	18.09	0.94
Intermedio	76.416*	Max WS	UF_Tr30_D3_int	142.54	380.31	382.80	382.73	383.56	0.009715	3.88			36.72	21.86	0.96
Intermedio	76.416*	Max WS	UF_Tr30_D6_int	152.55	380.31	382.89	382.84	383.68	0.009873	3.93			38.81	22.96	0.97
Intermedio	76.333*	Max WS	UF_Tr30_D1_int	70.16	380.13	381.86		382.35	0.009637	3.07			22.84	19.46	0.91
Intermedio	76.333*	Max WS	UF_Tr30_D3_int	142.64	380.13	382.62		383.30	0.008511	3.65			39.05	23.13	0.90
Intermedio	76.333*	Max WS	UF_Tr30_D6_int	152.65	380.13	382.72		383.41	0.008602	3.70			41.27	24.18	0.90
Intermedio	76.250*	Max WS	UF_Tr30_D1_int	70.28	379.95	381.69		382.12	0.008885	2.91			24.16	20.69	0.86
Intermedio	76.250*	Max WS	UF_Tr30_D3_int	142.74	379.95	382.47		383.07	0.007274	3.42			41.75	24.28	0.83
Intermedio	76.250*	Max WS	UF_Tr30_D6_int	152.76	379.95	382.57		383.18	0.007140	3.46			44.12	24.80	0.83
Intermedio	76.167*	Max WS	UF_Tr30_D1_int	70.40	379.77	381.54		381.92	0.007392	2.71			25.96	21.89	0.80
Intermedio	76.167*	Max WS	UF_Tr30_D3_int	142.84	379.77	382.34		382.86	0.006076	3.18			44.93	25.41	0.76
Intermedio	76.167*	Max WS	UF_Tr30_D6_int	152.87	379.77	382.44		382.97	0.005977	3.22			47.43	25.94	0.76
Intermedio	76.083*	Max WS	UF_Tr30_D1_int	70.53	379.59	381.42		381.73	0.005772	2.48			28.48	22.80	0.71
Intermedio	76.083*	Max WS	UF_Tr30_D3_int	142.94	379.59	382.25		382.68	0.004856	2.92			48.98	26.55	0.69
Intermedio	76.083*	Max WS	UF_Tr30_D6_int	152.98	379.59	382.34		382.79	0.005049	2.96			51.60	28.14	0.70
Intermedio	76	Max WS	UF_Tr30_D1_int	70.67	379.42	381.35	380.90	381.60	0.004040						

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	75.667	Max WS	UF Tr30_D1_int	70.66	377.82	379.50		379.73	0.003683	2.13			33.16	23.06	0.57
Intermedio	75.667	Max WS	UF Tr30_D3_int	143.04	377.82	380.33		380.70	0.003600	2.71			52.88	24.54	0.59
Intermedio	75.667	Max WS	UF Tr30_D6_int	153.08	377.82	380.43		380.82	0.003593	2.77			55.35	24.73	0.59
Intermedio	75.333	Max WS	UF Tr30_D1_int	70.72	377.69	379.49	378.98	379.70	0.003134	1.99			35.53	24.51	0.53
Intermedio	75.333	Max WS	UF Tr30_D3_int	143.08	377.69	380.34	379.56	380.66	0.002999	2.53			56.63	25.61	0.54
Intermedio	75.333	Max WS	UF Tr30_D6_int	153.13	377.69	380.44	379.64	380.78	0.002992	2.59			59.23	25.74	0.54
Intermedio	75.25			Inl Struct											
Intermedio	75	Max WS	UF Tr30_D1_int	70.72	376.52	377.78		378.09	0.007055	2.50			28.31	24.20	0.74
Intermedio	75	Max WS	UF Tr30_D3_int	143.08	376.52	378.33		378.93	0.008422	3.44			41.64	24.23	0.84
Intermedio	75	Max WS	UF Tr30_D6_int	153.13	376.52	378.39		379.03	0.008592	3.55			43.19	24.23	0.85
Intermedio	74	Max WS	UF Tr30_D1_int	70.83	376.45	377.68		377.97	0.006362	2.39			29.66	26.00	0.71
Intermedio	74	Max WS	UF Tr30_D3_int	143.16	376.45	378.20		378.76	0.007805	3.30			43.39	26.71	0.83
Intermedio	74	Max WS	UF Tr30_D6_int	153.21	376.45	378.26		378.85	0.007981	3.41			44.99	26.79	0.84
Intermedio	73.500*	Max WS	UF Tr30_D1_int	70.90	376.02	377.44	377.83	378.64	0.041539	4.84			14.65	19.06	1.76
Intermedio	73.500*	Max WS	UF Tr30_D3_int	143.21	376.02	378.01	378.44	379.46	0.030898	5.33			26.87	24.12	1.61
Intermedio	73.500*	Max WS	UF Tr30_D6_int	153.27	376.02	378.07	378.51	379.55	0.029984	5.38			28.47	24.61	1.60
Intermedio	73	Max WS	UF Tr30_D1_int	70.98	375.59	377.16	377.24	377.82	0.015145	3.60			19.69	18.35	1.11
Intermedio	73	Max WS	UF Tr30_D3_int	143.26	375.59	377.78	377.95	378.81	0.014834	4.51			31.78	20.60	1.16
Intermedio	73	Max WS	UF Tr30_D6_int	153.33	375.59	377.85	378.03	378.93	0.014795	4.60			33.30	20.82	1.16
Intermedio	72	Max WS	UF Tr30_D1_int	71.10	375.31	376.92	376.96	377.52	0.013622	3.44			20.65	19.01	1.05
Intermedio	72	Max WS	UF Tr30_D3_int	143.35	375.31	377.54	377.65	378.48	0.013303	4.29			33.44	21.44	1.10
Intermedio	72	Max WS	UF Tr30_D6_int	153.42	375.31	377.62	377.73	378.59	0.013196	4.38			35.05	21.60	1.10
Intermedio	71.977*	Max WS	UF Tr30_D1_int	71.23	375.04	376.65	376.70	377.26	0.013952	3.48			20.50	18.98	1.07
Intermedio	71.977*	Max WS	UF Tr30_D3_int	143.45	375.04	377.28	377.39	378.23	0.013100	4.31			33.27	20.89	1.09
Intermedio	71.977*	Max WS	UF Tr30_D6_int	153.53	375.04	377.36	377.47	378.35	0.012965	4.40			34.91	21.05	1.09
Intermedio	71.955*	Max WS	UF Tr30_D1_int	71.38	374.77	376.38	376.43	377.00	0.013954	3.51			20.35	18.60	1.07
Intermedio	71.955*	Max WS	UF Tr30_D3_int	143.55	374.77	377.03	377.13	377.99	0.012811	4.32			33.20	20.39	1.08
Intermedio	71.955*	Max WS	UF Tr30_D6_int	153.64	374.77	377.11	377.21	378.10	0.012665	4.41			34.86	20.58	1.08
Intermedio	71.932*	Max WS	UF Tr30_D1_int	71.51	374.50	376.11	376.16	376.74	0.013762	3.53			20.25	18.12	1.07
Intermedio	71.932*	Max WS	UF Tr30_D3_int	143.65	374.50	376.79	376.88	377.74	0.012446	4.32			33.25	19.98	1.07
Intermedio	71.932*	Max WS	UF Tr30_D6_int	153.75	374.50	376.87	376.97	377.86	0.012326	4.40			34.93	20.23	1.07
Intermedio	71.909*	Max WS	UF Tr30_D1_int	71.66	374.23	375.84	375.89	376.48	0.013376	3.53			20.28	17.73	1.05
Intermedio	71.909*	Max WS	UF Tr30_D3_int	143.76	374.23	376.55	376.63	377.49	0.012330	4.29			33.48	20.26	1.07
Intermedio	71.909*	Max WS	UF Tr30_D6_int	153.86	374.23	376.63	376.73	377.60	0.012373	4.37			35.21	20.80	1.07
Intermedio	71.886*	Max WS	UF Tr30_D1_int	71.80	373.96	375.59	375.62	376.22	0.012535	3.50			20.54	17.34	1.03
Intermedio	71.886*	Max WS	UF Tr30_D3_int	143.86	373.96	376.31	376.39	377.22	0.012157	4.22			34.12	21.11	1.06
Intermedio	71.886*	Max WS	UF Tr30_D6_int	153.97	373.96	376.39	376.47	377.33	0.012155	4.29			35.90	21.65	1.06
Intermedio	71.864*	Max WS	UF Tr30_D1_int	71.95	373.69	375.36	375.35	375.95	0.011422	3.40			21.18	17.40	0.98
Intermedio	71.864*	Max WS	UF Tr30_D3_int	143.96	373.69	376.08	376.11	376.93	0.011204	4.07			35.35	21.74	1.02
Intermedio	71.864*	Max WS	UF Tr30_D6_int	154.08	373.69	376.17	376.19	377.04	0.011120	4.15			37.16	22.09	1.02
Intermedio	71.841	Max WS	UF Tr30_D1_int	72.11	373.42	375.16		375.68	0.010116	3.20			22.50	18.45	0.93
Intermedio	71.841	Max WS	UF Tr30_D3_int	144.06	373.42	375.88	375.82	376.64	0.009524	3.86			37.27	21.86	0.95
Intermedio	71.841	Max WS	UF Tr30_D6_int	154.19	373.42	375.97	375.90	376.76	0.009481	3.94			39.10	22.14	0.95
Intermedio	71.818*	Max WS	UF Tr30_D1_int	72.26	373.22	374.97		375.49	0.009975	3.19			22.62	18.45	0.92
Intermedio	71.818*	Max WS	UF Tr30_D3_int	144.16	373.22	375.70		376.45	0.009304	3.84			37.55	21.88	0.94
Intermedio	71.818*	Max WS	UF Tr30_D6_int	154.29	373.22	375.78		376.57	0.009245	3.91			39.42	22.17	0.94
Intermedio	71.796*	Max WS	UF Tr30_D1_int	72.41	373.02	374.78		375.29	0.009790	3.18			22.79	18.51	0.91
Intermedio	71.796*	Max WS	UF Tr30_D3_int	144.26	373.02	375.52		376.26	0.008994	3.80			37.99	21.97	0.92
Intermedio	71.796*	Max WS	UF Tr30_D6_int	154.40	373.02	375.61		376.37	0.008932	3.87			39.91	22.29	0.92
Intermedio	71.773*	Max WS	UF Tr30_D1_int	72.56	372.82	374.59		375.10	0.009504	3.14			23.08	18.64	0.90
Intermedio	71.773*	Max WS	UF Tr30_D3_int	144.36	372.82	375.35		376.06	0.008585	3.73			38.66	22.14	0.90
Intermedio	71.773*	Max WS	UF Tr30_D6_int	154.51	372.82	375.44		376.18	0.008505	3.80			40.63	22.46	0.90
Intermedio	71.750*	Max WS	UF Tr30_D1_int	72.73	372.62	374.41		374.90	0.009111	3.09			23.51	18.86	0.88
Intermedio	71.750*	Max WS	UF Tr30_D3_int	144.46	372.62	375.19		375.87	0.008030	3.65			39.62	22.38	0.88
Intermedio	71.750*	Max WS	UF Tr30_D6_int	154.62	372.62	375.28		375.98	0.007946	3.71			41.66	22.70	0.87
Intermedio	71.727*	Max WS	UF Tr30_D1_int	72.88	372.42	374.24		374.71	0.008564	3.02			24.15	19.21	0.86
Intermedio	71.727*	Max WS	UF Tr30_D3_int	144.57	372.42	375.04		375.68	0.007334	3.53			40.95	22.67	0.84
Intermedio	71.727*	Max WS	UF Tr30_D6_int	154.73	372.42	375.13		375.79	0.007255	3.59			43.04	22.97	0.84
Intermedio	71.705*	Max WS	UF Tr30_D1_int	73.04	372.22	374.09		374.52	0.007785	2.91			25.11	19.64	0.82
Intermedio	71.705*	Max WS	UF Tr30_D3_int	144.67	372.22	374.91		375.49	0.006492	3.39			42.72	22.93	0.79
Intermedio	71.705*	Max WS	UF Tr30_D6_int	154.84	372.22	375.00		375.61	0.006445	3.45			44.85	23.22	0.79
Intermedio	71.682*	Max WS	UF Tr30_D1_int	73.20	372.02	373.94		374.33	0.006775	2.76			26.51	20.20	0.77
Intermedio	71.682*	Max WS	UF Tr30_D3_int	144.77	372.02	374.79		375.32	0.005582	3.22			45.01	23.25	0.74
Intermedio	71.682*	Max WS	UF Tr30_D6_int	154.95	372.02	374.88		375.43	0.005571	3.28			47.18	23.54	0.74
Intermedio	71.659	Max WS	UF Tr30_D1_int	73.35	371.82	373.83		374.17	0.005460	2.56			28.68	20.81	0.70
Intermedio	71.659	Max WS	UF Tr30_D3_int	144.87	371.82	374.71		375.17	0.004571	3.00			48.24	23.69	0.67
Intermedio	71.659	Max WS	UF Tr30_D6_int	155.06	371.82	374.80		375.29	0.004599	3.07			50.44	23.98	0.68
Intermedio	71.636*	Max WS	UF Tr30_D1_int	73.51	371.63	373.74		374.07	0.005397	2.56			28.75	20.72	0.69
Intermedio	71.636*	Max WS	UF Tr30_D3_int	144.96	371.63	374.63		375.08	0.004440	2.97			48.75	23.80	0.66
Intermedio	71.636*	Max WS	UF Tr30_D6_int	155.16	371.63	374.72		375.20	0.004481	3.05			50.92	24.10	0.67
Intermedio	71.614*	Max WS	UF Tr30_D1_int	73.66	371.44	373.64		373.97	0.005114	2.53			29.17	20.54	0.68
Intermedio	71.614*	Max WS	UF Tr30_D3_int	145.07	371.44	374.56		375.00	0.004231	2.92			49.64	23.98	0.65
Intermedio	71.614*	Max WS	UF Tr30_D6_int	155.26	371.44	374.65		375.11	0.004284	3.00			51.81	24.30	0.66
Intermedio	71.591*	Max WS	UF Tr30_D1_int	73.82	371.24	373.56		373.87	0.004621	2.46			30.05	20.34	0.65
Intermedio	71.591*	Max WS	UF Tr30_D3_int	145.17	371.24	374.50		374.91	0.003947	2.85			50.96	24.26	0.63
Intermedio	71.591*	Max WS	UF Tr30_D6_int	155.37	371.24	374.59		375.02	0.004016	2.92			53.13	24.59	0.64
Intermedio	71.568*	Max WS	UF Tr30_D1_int	73.96	371.05	373.50		373.78	0.003955	2.35			31.46	20.07	0.60
Intermedio	71.568*	Max WS	UF Tr30_D3_int	145.27	371.05	374.45		374.83	0.003598	2.75			52.84	24.64	0.60
Intermedio	71.568*	Max WS	UF Tr30_D6_int	155.47	371.05	374.53		374.94	0.003678	2.83			55.00	24.98	0.61
Intermedio	71.545*	Max WS	UF Tr30_D1_int	74.12	370.86	373.45		373.70	0.003264	2.22			33.42	19.93	0.55
Intermedio	71.545*	Max WS	UF Tr30_D3_int	145.37	370.86	374.41		374.76	0.003240	2.63			55.30	25.37	

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	71.5	Max WS	UF Tr30_D1_int	74.42	370.48	373.40	372.49	373.59	0.002246	1.91			38.92	21.43	0.45
Intermedio	71.5	Max WS	UF Tr30_D3_int	144.03	370.48	374.37	373.22	374.64	0.002253	2.30	0.09	0.35	63.28	28.73	0.48
Intermedio	71.5	Max WS	UF Tr30_D6_int	152.94	370.48	374.46	373.31	374.74	0.002232	2.35	0.15	0.40	65.97	29.09	0.48
Intermedio	71.4			Inl Struct											
Intermedio	71.3	Max WS	UF Tr30_D1_int	74.42	368.66	373.31		373.33	0.000097	0.63		0.03	117.57	33.46	0.10
Intermedio	71.3	Max WS	UF Tr30_D3_int	144.03	368.66	374.26		374.31	0.000183	0.98	0.07	0.20	150.42	38.05	0.14
Intermedio	71.3	Max WS	UF Tr30_D6_int	152.94	368.66	374.34		374.40	0.000194	1.02	0.09	0.21	153.79	38.05	0.15
Intermedio	71.2	Max WS	UF Tr30_D1_int	74.53	368.64	373.31	369.80	373.33	0.000084	0.61	0.04	0.08	123.86	36.54	0.10
Intermedio	71.2	Max WS	UF Tr30_D3_int	144.10	368.64	374.26	370.32	374.30	0.000156	0.95	0.17	0.21	158.29	36.54	0.14
Intermedio	71.2	Max WS	UF Tr30_D6_int	153.01	368.64	374.35	370.39	374.40	0.000166	0.99	0.19	0.23	161.54	36.54	0.14
Intermedio	71.1			Inl Struct											
Intermedio	71	Max WS	UF Tr30_D1_int	74.52	366.28	368.31		368.68	0.007536	2.70			27.65	23.14	0.79
Intermedio	71	Max WS	UF Tr30_D3_int	144.09	366.28	368.96		369.53	0.007042	3.36			42.86	23.66	0.80
Intermedio	71	Max WS	UF Tr30_D6_int	153.01	366.28	369.03		369.63	0.006994	3.43			44.64	23.72	0.80
Intermedio	70.99			Lat Struct											
Intermedio	70.97			Lat Struct											
Intermedio	70.964*	Max WS	UF Tr30_D1_int	74.67	366.11	368.17		368.56	0.007999	2.77			26.97	22.91	0.81
Intermedio	70.964*	Max WS	UF Tr30_D3_int	144.19	366.11	368.83		369.42	0.007234	3.41			42.23	23.48	0.81
Intermedio	70.964*	Max WS	UF Tr30_D6_int	153.14	366.11	368.90		369.52	0.007174	3.48			44.01	23.54	0.81
Intermedio	70.929*	Max WS	UF Tr30_D1_int	74.82	365.93	368.03		368.44	0.008068	2.84			26.31	21.67	0.82
Intermedio	70.929*	Max WS	UF Tr30_D3_int	144.29	365.93	368.70		369.31	0.007477	3.47			41.54	23.28	0.83
Intermedio	70.929*	Max WS	UF Tr30_D6_int	153.23	365.93	368.77		369.41	0.007397	3.54			43.33	23.36	0.83
Intermedio	70.893*	Max WS	UF Tr30_D1_int	74.97	365.76	367.88		368.32	0.008559	2.93			25.60	21.21	0.85
Intermedio	70.893*	Max WS	UF Tr30_D3_int	144.39	365.76	368.56		369.20	0.007807	3.54			40.74	23.07	0.85
Intermedio	70.893*	Max WS	UF Tr30_D6_int	153.45	365.76	368.64		369.30	0.007701	3.61			42.55	23.15	0.85
Intermedio	70.858*	Max WS	UF Tr30_D1_int	75.13	365.59	367.72		368.19	0.008982	3.03			24.83	20.37	0.88
Intermedio	70.858*	Max WS	UF Tr30_D3_int	144.49	365.59	368.41		369.08	0.008255	3.63			39.80	22.83	0.88
Intermedio	70.858*	Max WS	UF Tr30_D6_int	153.67	365.59	368.49		369.19	0.008102	3.69			41.66	22.93	0.87
Intermedio	70.822*	Max WS	UF Tr30_D1_int	75.28	365.42	367.56		368.05	0.009258	3.12			24.12	19.29	0.89
Intermedio	70.822*	Max WS	UF Tr30_D3_int	144.64	365.42	368.26		368.97	0.008833	3.73			38.75	22.55	0.91
Intermedio	70.822*	Max WS	UF Tr30_D6_int	153.95	365.42	368.34		369.08	0.008641	3.79			40.63	22.66	0.90
Intermedio	70.787*	Max WS	UF Tr30_D1_int	75.43	365.24	367.39		367.92	0.009687	3.22			23.44	18.47	0.91
Intermedio	70.787*	Max WS	UF Tr30_D3_int	144.75	365.24	368.10		368.85	0.009048	3.84			37.66	21.32	0.92
Intermedio	70.787*	Max WS	UF Tr30_D6_int	154.05	365.24	368.18		368.96	0.009015	3.90			39.47	21.75	0.93
Intermedio	70.751*	Max WS	UF Tr30_D1_int	75.58	365.07	367.21		367.77	0.010086	3.32			22.78	17.63	0.93
Intermedio	70.751*	Max WS	UF Tr30_D3_int	144.85	365.07	367.93	367.85	368.73	0.009519	3.96			36.57	20.52	0.95
Intermedio	70.751*	Max WS	UF Tr30_D6_int	154.15	365.07	368.02	367.93	368.84	0.009440	4.02			38.32	20.85	0.95
Intermedio	70.716*	Max WS	UF Tr30_D1_int	75.74	364.90	367.02	366.97	367.62	0.010393	3.42			22.15	16.67	0.95
Intermedio	70.716*	Max WS	UF Tr30_D3_int	144.95	364.90	367.76	367.71	368.61	0.009935	4.08			35.51	19.59	0.97
Intermedio	70.716*	Max WS	UF Tr30_D6_int	154.25	364.90	367.84	367.80	368.72	0.009890	4.15			37.19	19.93	0.97
Intermedio	70.680	Max WS	UF Tr30_D1_int	75.89	364.72	366.83	366.80	367.47	0.010880	3.53			21.52	15.91	0.97
Intermedio	70.680	Max WS	UF Tr30_D3_int	145.06	364.72	367.57	367.57	368.48	0.010481	4.21			34.44	18.78	0.99
Intermedio	70.680	Max WS	UF Tr30_D6_int	154.35	364.72	367.66	367.65	368.59	0.010387	4.28			36.08	19.05	0.99
Intermedio	70.640*	Max WS	UF Tr30_D1_int	76.05	364.51	366.62	366.59	367.27	0.010858	3.55			21.39	15.61	0.97
Intermedio	70.640*	Max WS	UF Tr30_D3_int	145.16	364.51	367.37	367.37	368.28	0.010574	4.21			34.44	18.92	1.00
Intermedio	70.640*	Max WS	UF Tr30_D6_int	154.46	364.51	367.46	367.46	368.39	0.010506	4.28			36.10	19.27	1.00
Intermedio	70.600*	Max WS	UF Tr30_D1_int	76.22	364.29	366.41	366.38	367.06	0.010923	3.58			21.30	15.45	0.97
Intermedio	70.600*	Max WS	UF Tr30_D3_int	145.28	364.29	367.16	367.18	368.08	0.010793	4.23			34.36	19.10	1.01
Intermedio	70.600*	Max WS	UF Tr30_D6_int	154.57	364.29	367.25	367.26	368.19	0.010706	4.29			36.05	19.49	1.01
Intermedio	70.560*	Max WS	UF Tr30_D1_int	76.38	364.07	366.20	366.18	366.86	0.011057	3.60			21.20	15.35	0.98
Intermedio	70.560*	Max WS	UF Tr30_D3_int	145.39	364.07	366.95	366.98	367.88	0.011045	4.25			34.17	19.17	1.02
Intermedio	70.560*	Max WS	UF Tr30_D6_int	154.67	364.07	367.04	367.07	367.99	0.010969	4.31			35.88	19.63	1.02
Intermedio	70.520*	Max WS	UF Tr30_D1_int	76.55	363.85	365.98	365.97	366.66	0.011286	3.63			21.08	15.28	0.98
Intermedio	70.520*	Max WS	UF Tr30_D3_int	145.50	363.85	366.74	366.78	367.68	0.011291	4.29			33.89	19.05	1.03
Intermedio	70.520*	Max WS	UF Tr30_D6_int	154.78	363.85	366.82	366.88	367.79	0.011298	4.35			35.61	19.67	1.03
Intermedio	70.480*	Max WS	UF Tr30_D1_int	76.72	363.63	365.76	365.76	366.45	0.011541	3.67			20.88	15.15	1.00
Intermedio	70.480*	Max WS	UF Tr30_D3_int	145.62	363.63	366.51	366.58	367.48	0.011596	4.35			33.51	18.86	1.04
Intermedio	70.480*	Max WS	UF Tr30_D6_int	154.89	363.63	366.60	366.67	367.59	0.011566	4.40			35.23	19.45	1.04
Intermedio	70.440*	Max WS	UF Tr30_D1_int	76.88	363.42	365.54	365.55	366.25	0.011994	3.73			20.59	14.98	1.02
Intermedio	70.440*	Max WS	UF Tr30_D3_int	146.24	363.42	366.29	366.37	367.28	0.011873	4.42			33.05	18.38	1.05
Intermedio	70.440*	Max WS	UF Tr30_D6_int	155.84	363.42	366.38	366.47	367.40	0.011965	4.49			34.73	19.04	1.06
Intermedio	70.400*	Max WS	UF Tr30_D1_int	77.05	363.20	365.30	365.35	366.05	0.012814	3.83			20.12	14.80	1.05
Intermedio	70.400*	Max WS	UF Tr30_D3_int	146.74	363.20	366.05	366.16	367.09	0.012473	4.52			32.46	18.11	1.08
Intermedio	70.400*	Max WS	UF Tr30_D6_int	156.53	363.20	366.14	366.26	367.21	0.012380	4.59			34.12	18.50	1.08
Intermedio	70.360	Max WS	UF Tr30_D1_int	77.21	362.98	365.04	365.15	365.85	0.014285	3.99			19.33	14.48	1.10
Intermedio	70.360	Max WS	UF Tr30_D3_int	146.89	362.98	365.80	365.95	366.90	0.013332	4.65			31.62	17.77	1.11
Intermedio	70.360	Max WS	UF Tr30_D6_int	156.72	362.98	365.89	366.04	367.02	0.013142	4.71			33.30	18.14	1.11
Intermedio	70.320*	Max WS	UF Tr30_D1_int	77.38	362.67	364.76	364.86	365.59	0.014251	4.02			19.26	14.21	1.10
Intermedio	70.320*	Max WS	UF Tr30_D3_int	147.01	362.67	365.54	365.68	366.65	0.013164	4.66			31.57	17.44	1.11
Intermedio	70.320*	Max WS	UF Tr30_D6_int	156.82	362.67	365.64	365.79	366.77	0.012940	4.71			33.28	17.81	1.10
Intermedio	70.280*	Max WS	UF Tr30_D1_int	77.54	362.35	364.49	364.59	365.32	0.014047	4.03			19.26	13.95	1.09
Intermedio	70.280*	Max WS	UF Tr30_D3_int	147.12	362.35	365.28	365.49	366.39	0.013229	4.66			31.59	17.46	1.11
Intermedio	70.280*	Max WS	UF Tr30_D6_int	156.93	362.35	365.38	365.58	366.51	0.013410	4.72			33.27	18.25	1.12
Intermedio	70.240*	Max WS	UF Tr30_D1_int	77.68	362.04	364.23	364.30	365.04	0.013693	4.00			19.40	13.83	1.08
Intermedio	70.240*	Max WS	UF Tr30_D3_int	147.23	362.04	365.02	365.20	366.11	0.015225	4.63			31.81	19.82	1.17
Intermedio	70.240*	Max WS	UF Tr30_D6_int	157.04	362.04	365.10	365.29	366.22	0.014729	4.68			33.55	19.97	1.15
Intermedio	70.200*	Max WS	UF Tr30_D1_int	77.86	361.73	363.97	364.01	364.76	0.012871	3.93			19.75	13.72	1.05
Intermedio	70.200*	Max WS	UF Tr30_D3_int	147.34	361.73	364.74	364.89	365.80	0.014131	4.56			32.34	19.21	1.12
Intermedio	70.200*	Max WS	UF Tr30_D6_int	157.15	361.73	364.83	364.97	365.92	0.014352	4.62			34.04	20.08	1.13
Intermedio	70.160*	Max WS	UF Tr30_D1_int	77.62	361.41	363.73	363.73	364.47	0.011798	3.81			20.39	13.82	1.00
Intermedio	70.160*	Max WS													

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	70.120*	Max WS	UF Tr30_D6_int	157.36	361.10	364.33	364.33	365.29	0.011387	4.35			36.19	18.98	1.01
Intermedio	70.080*	Max WS	UF Tr30_D1_int	76.84	360.79	363.30		363.85	0.009480	3.27			23.52	16.66	0.88
Intermedio	70.080*	Max WS	UF Tr30_D3_int	147.68	360.79	364.02		364.87	0.009817	4.08			36.21	18.34	0.93
Intermedio	70.080*	Max WS	UF Tr30_D6_int	157.47	360.79	364.12		364.99	0.009596	4.13			38.14	18.61	0.92
Intermedio	70.040*	Max WS	UF Tr30_D1_int	75.35	360.47	363.15		363.56	0.006499	2.84			26.54	17.04	0.73
Intermedio	70.040*	Max WS	UF Tr30_D3_int	147.79	360.47	363.85		364.59	0.007966	3.82			38.73	18.05	0.83
Intermedio	70.040*	Max WS	UF Tr30_D6_int	157.58	360.47	363.95		364.72	0.007839	3.87			40.69	18.29	0.83
Intermedio	70	Max WS	UF Tr30_D1_int	75.06	360.16	363.08	362.46	363.39	0.003648	2.44			30.71	16.75	0.56
Intermedio	70	Max WS	UF Tr30_D3_int	147.90	360.16	363.72	363.22	364.39	0.005525	3.63			40.73	17.76	0.72
Intermedio	70	Max WS	UF Tr30_D6_int	157.68	360.16	363.83	363.30	364.53	0.005462	3.71			42.47	17.97	0.72
Intermedio	69.75		Bridge												
Intermedio	69.5	Max WS	UF Tr30_D1_int	83.89	360.16	362.60	362.57	363.28	0.012029	3.65			22.95	16.31	0.97
Intermedio	69.5	Max WS	UF Tr30_D3_int	147.90	360.16	363.21	363.22	364.25	0.011424	4.52			32.76	16.87	1.00
Intermedio	69.5	Max WS	UF Tr30_D6_int	157.69	360.16	363.29	363.31	364.39	0.011480	4.64			33.99	16.98	1.01
Intermedio	69.487*	Max WS	UF Tr30_D1_int	81.76	359.95	362.35	362.35	363.05	0.012420	3.69			22.15	15.94	1.00
Intermedio	69.487*	Max WS	UF Tr30_D3_int	148.02	359.95	362.97	363.04	364.02	0.013059	4.54			32.61	17.43	1.06
Intermedio	69.487*	Max WS	UF Tr30_D6_int	157.80	359.95	363.05	363.13	364.15	0.013163	4.65			33.93	17.52	1.07
Intermedio	69.473*	Max WS	UF Tr30_D1_int	80.84	359.73	362.10	362.13	362.82	0.013535	3.77			21.44	16.45	1.05
Intermedio	69.473*	Max WS	UF Tr30_D3_int	148.13	359.73	362.70	362.83	363.80	0.013975	4.63			32.02	18.06	1.11
Intermedio	69.473*	Max WS	UF Tr30_D6_int	157.90	359.73	362.78	362.92	363.92	0.014053	4.74			33.34	18.17	1.12
Intermedio	69.460*	Max WS	UF Tr30_D1_int	80.45	359.52	361.81	361.91	362.58	0.015437	3.90			20.63	17.03	1.13
Intermedio	69.460*	Max WS	UF Tr30_D3_int	148.25	359.52	362.42	362.59	363.55	0.014987	4.70			31.52	18.71	1.16
Intermedio	69.460*	Max WS	UF Tr30_D6_int	158.01	359.52	362.49	362.68	363.67	0.014981	4.81			32.88	18.83	1.16
Intermedio	69.446*	Max WS	UF Tr30_D1_int	80.32	359.31	361.50	361.65	362.32	0.015374	4.00			20.10	16.03	1.14
Intermedio	69.446*	Max WS	UF Tr30_D3_int	148.36	359.31	362.12	362.33	363.27	0.015992	4.77			31.13	19.34	1.20
Intermedio	69.446*	Max WS	UF Tr30_D6_int	158.12	359.31	362.19	362.41	363.39	0.015886	4.86			32.53	19.47	1.20
Intermedio	69.433*	Max WS	UF Tr30_D1_int	80.27	359.10	361.19	361.33	362.01	0.015968	4.01			20.03	16.47	1.16
Intermedio	69.433*	Max WS	UF Tr30_D3_int	148.48	359.10	361.80	362.03	362.97	0.016241	4.79			30.98	19.48	1.21
Intermedio	69.433*	Max WS	UF Tr30_D6_int	158.23	359.10	361.87	362.11	363.09	0.016120	4.88			32.43	19.67	1.21
Intermedio	69.419*	Max WS	UF Tr30_D1_int	80.42	358.88	360.88	361.02	361.68	0.015992	3.97			20.27	17.01	1.16
Intermedio	69.419*	Max WS	UF Tr30_D3_int	148.59	358.88	361.48	361.71	362.63	0.016029	4.76			31.24	19.82	1.21
Intermedio	69.419*	Max WS	UF Tr30_D6_int	158.34	358.88	361.56	361.80	362.75	0.015998	4.84			32.75	20.23	1.21
Intermedio	69.406*	Max WS	UF Tr30_D1_int	80.55	358.67	360.58	360.68	361.33	0.014979	3.83			21.02	17.71	1.12
Intermedio	69.406*	Max WS	UF Tr30_D3_int	148.71	358.67	361.18	361.36	362.25	0.014439	4.59			32.40	20.05	1.15
Intermedio	69.406*	Max WS	UF Tr30_D6_int	158.45	358.67	361.26	361.45	362.37	0.014380	4.67			33.94	20.38	1.16
Intermedio	69.392	Max WS	UF Tr30_D1_int	80.68	358.46	360.31	360.33	360.95	0.012284	3.54			22.81	18.65	1.02
Intermedio	69.392	Max WS	UF Tr30_D3_int	148.82	358.46	360.92	360.99	361.85	0.011853	4.27			34.86	20.69	1.05
Intermedio	69.392	Max WS	UF Tr30_D6_int	158.56	358.46	361.00	361.07	361.96	0.011788	4.35			36.47	20.95	1.05
Intermedio	69.378*	Max WS	UF Tr30_D1_int	80.74	358.20	360.07	360.09	360.72	0.012428	3.57			22.60	18.40	1.03
Intermedio	69.378*	Max WS	UF Tr30_D3_int	148.94	358.20	360.69	360.76	361.63	0.011967	4.30			34.67	20.56	1.06
Intermedio	69.378*	Max WS	UF Tr30_D6_int	158.67	358.20	360.76	360.84	361.74	0.011902	4.37			36.31	20.87	1.06
Intermedio	69.365*	Max WS	UF Tr30_D1_int	80.90	357.94	359.82	359.86	360.48	0.012615	3.61			22.40	18.15	1.04
Intermedio	69.365*	Max WS	UF Tr30_D3_int	149.06	357.94	360.45	360.52	361.40	0.012053	4.32			34.52	20.45	1.06
Intermedio	69.365*	Max WS	UF Tr30_D6_int	158.78	357.94	360.53	360.61	361.51	0.011945	4.39			36.19	20.76	1.06
Intermedio	69.351*	Max WS	UF Tr30_D1_int	81.13	357.68	359.57	359.61	360.25	0.012832	3.66			22.19	17.89	1.05
Intermedio	69.351*	Max WS	UF Tr30_D3_int	149.18	357.68	360.21	360.28	361.17	0.012058	4.33			34.44	20.32	1.06
Intermedio	69.351*	Max WS	UF Tr30_D6_int	158.89	357.68	360.29	360.38	361.28	0.011928	4.40			36.14	20.65	1.06
Intermedio	69.338*	Max WS	UF Tr30_D1_int	81.33	357.43	359.31	359.36	360.01	0.013006	3.70			22.00	17.62	1.06
Intermedio	69.338*	Max WS	UF Tr30_D3_int	149.30	357.43	359.97	360.05	360.93	0.011973	4.33			34.45	20.19	1.06
Intermedio	69.338*	Max WS	UF Tr30_D6_int	159.00	357.43	360.06	360.14	361.04	0.011815	4.39			36.19	20.56	1.06
Intermedio	69.324*	Max WS	UF Tr30_D1_int	81.57	357.17	359.05	359.10	359.77	0.013156	3.74			21.83	17.33	1.06
Intermedio	69.324*	Max WS	UF Tr30_D3_int	149.42	357.17	359.74	359.80	360.69	0.011780	4.32			34.59	20.09	1.05
Intermedio	69.324*	Max WS	UF Tr30_D6_int	159.11	357.17	359.83	359.90	360.80	0.011565	4.37			36.40	20.49	1.05
Intermedio	69.311*	Max WS	UF Tr30_D1_int	81.80	356.91	358.79	358.86	359.52	0.013199	3.77			21.72	17.05	1.07
Intermedio	69.311*	Max WS	UF Tr30_D3_int	149.53	356.91	359.51	359.56	360.44	0.011393	4.28			34.91	20.02	1.04
Intermedio	69.311*	Max WS	UF Tr30_D6_int	159.22	356.91	359.60	359.64	360.56	0.011139	4.32			36.82	20.45	1.03
Intermedio	69.297	Max WS	UF Tr30_D1_int	82.03	356.65	358.54	358.60	359.26	0.013076	3.78			21.70	16.76	1.06
Intermedio	69.297	Max WS	UF Tr30_D3_int	149.65	356.65	359.29	359.30	360.19	0.010810	4.22			35.50	20.00	1.01
Intermedio	69.297	Max WS	UF Tr30_D6_int	159.33	356.65	359.39	359.39	360.31	0.010502	4.24			37.54	20.46	1.00
Intermedio	69.284*	Max WS	UF Tr30_D1_int	82.28	356.31	358.28	358.33	359.03	0.012650	3.84			21.44	15.66	1.05
Intermedio	69.284*	Max WS	UF Tr30_D3_int	149.77	356.31	359.08	359.08	360.00	0.010555	4.27			35.12	18.91	1.00
Intermedio	69.284*	Max WS	UF Tr30_D6_int	159.44	356.31	359.18	359.17	360.12	0.010275	4.29			37.15	19.41	0.99
Intermedio	69.270*	Max WS	UF Tr30_D1_int	82.53	355.98	358.04	358.07	358.80	0.012106	3.88			21.28	14.61	1.03
Intermedio	69.270*	Max WS	UF Tr30_D3_int	149.89	355.98	358.87	358.86	359.82	0.010369	4.32			34.69	17.83	0.99
Intermedio	69.270*	Max WS	UF Tr30_D6_int	159.55	355.98	358.98	358.95	359.95	0.010132	4.35			36.70	18.38	0.98
Intermedio	69.257*	Max WS	UF Tr30_D1_int	82.78	355.64	357.80	357.80	358.58	0.011534	3.91			21.19	13.65	1.00
Intermedio	69.257*	Max WS	UF Tr30_D3_int	150.01	355.64	358.67	358.63	359.65	0.010294	4.39			34.17	16.77	0.98
Intermedio	69.257*	Max WS	UF Tr30_D6_int	159.66	355.64	358.78	358.75	359.78	0.010116	4.42			36.14	17.35	0.98
Intermedio	69.243*	Max WS	UF Tr30_D1_int	83.03	355.30	357.58	357.55	358.37	0.010977	3.93			21.15	12.76	0.97
Intermedio	69.243*	Max WS	UF Tr30_D3_int	150.13	355.30	358.46	358.43	359.48	0.010375	4.48			33.51	15.70	0.98
Intermedio	69.243*	Max WS	UF Tr30_D6_int	159.77	355.30	358.58	358.54	359.62	0.010274	4.51			35.40	16.31	0.98
Intermedio	69.230*	Max WS	UF Tr30_D1_int	83.28	354.96	357.37	357.30	358.16	0.010536	3.95			21.10	11.91	0.95
Intermedio	69.230*	Max WS	UF Tr30_D3_int	150.24	354.96	358.25	358.22	359.33	0.010668	4.60			32.66	14.61	0.98
Intermedio	69.230*	Max WS	UF Tr30_D6_int	159.88	354.96	358.37	358.35	359.47	0.010891	4.64			34.43	15.25	0.99
Intermedio	69.216	Max WS	UF Tr30_D1_int	83.54	354.62	357.16		357.97	0.010278	3.98			20.99	11.10	0.92
Intermedio	69.216	Max WS	UF Tr30_D3_int	150.37	354.62	358.04	358.02	359.19	0.011229	4.76			31.57	13.44	0.99
Intermedio	69.216	Max WS	UF Tr30_D6_int	159.99	354.62	358.15	358.17	359.34	0.011451	4.82			33.17	14.14	1.01
Intermedio	69.203*	Max WS	UF Tr30_D1_int	83.80	354.44	356.96	356.88	357.78	0.010594	4.01			20.88	11.37	0.95
Intermedio	69.203*	Max WS	UF Tr30_D3_int	150.49	354.44</										

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	69.176*	Max WS	UF Tr30_D6_int	160.32	354.09	357.45	357.57	358.64	0.012009	4.82			33.26	15.46	1.05
Intermedio	69.162*	Max WS	UF Tr30_D1_int	84.57	353.91	356.30	356.28	357.14	0.011276	4.05			20.89	12.16	0.99
Intermedio	69.162*	Max WS	UF Tr30_D3_int	150.85	353.91	357.11	357.19	358.26	0.011970	4.74			31.83	15.24	1.05
Intermedio	69.162*	Max WS	UF Tr30_D6_int	160.43	353.91	357.21	357.34	358.39	0.012103	4.80			33.43	15.88	1.06
Intermedio	69.149*	Max WS	UF Tr30_D1_int	84.83	353.73	356.08	356.06	356.91	0.011306	4.03			21.05	12.42	0.99
Intermedio	69.149*	Max WS	UF Tr30_D3_int	150.96	353.73	356.87	356.96	358.00	0.012012	4.71			32.08	15.67	1.05
Intermedio	69.149*	Max WS	UF Tr30_D6_int	160.54	353.73	356.97	357.09	358.13	0.012126	4.77			33.68	16.29	1.06
Intermedio	69.135*	Max WS	UF Tr30_D1_int	85.09	353.55	355.86	355.83	356.67	0.011157	3.99			21.35	12.69	0.98
Intermedio	69.135*	Max WS	UF Tr30_D3_int	151.08	353.55	356.64	356.71	357.74	0.011971	4.66			32.45	16.11	1.05
Intermedio	69.135*	Max WS	UF Tr30_D6_int	160.64	353.55	356.73	356.84	357.87	0.012062	4.72			34.05	16.70	1.05
Intermedio	69.122	Max WS	UF Tr30_D1_int	85.35	353.37	355.64	355.58	356.42	0.010735	3.90			21.86	12.98	0.96
Intermedio	69.122	Max WS	UF Tr30_D3_int	151.21	353.37	356.40	356.46	357.47	0.011805	4.59			32.97	16.57	1.04
Intermedio	69.122	Max WS	UF Tr30_D6_int	160.75	353.37	356.50	356.58	357.60	0.011890	4.65			34.56	17.13	1.05
Intermedio	69.108*	Max WS	UF Tr30_D1_int	85.61	353.15	355.43	355.39	356.21	0.011125	3.93			21.78	13.31	0.98
Intermedio	69.108*	Max WS	UF Tr30_D3_int	151.33	353.15	356.16	356.25	357.25	0.012104	4.61			32.84	16.88	1.06
Intermedio	69.108*	Max WS	UF Tr30_D6_int	160.86	353.15	356.26	356.36	357.37	0.012224	4.67			34.42	17.48	1.06
Intermedio	69.095*	Max WS	UF Tr30_D1_int	85.87	352.93	355.20	355.20	356.00	0.011504	3.95			21.72	13.64	1.00
Intermedio	69.095*	Max WS	UF Tr30_D3_int	151.45	352.93	355.92	356.03	357.01	0.012396	4.63			32.73	17.18	1.07
Intermedio	69.095*	Max WS	UF Tr30_D6_int	160.97	352.93	356.01	356.14	357.13	0.012492	4.69			34.29	17.74	1.08
Intermedio	69.081*	Max WS	UF Tr30_D1_int	86.13	352.71	354.97	355.00	355.78	0.011870	3.97			21.68	13.96	1.02
Intermedio	69.081*	Max WS	UF Tr30_D3_int	151.57	352.71	355.67	355.81	356.77	0.012638	4.64			32.63	17.41	1.08
Intermedio	69.081*	Max WS	UF Tr30_D6_int	161.08	352.71	355.76	355.91	356.89	0.012718	4.71			34.19	17.94	1.09
Intermedio	69.068*	Max WS	UF Tr30_D1_int	86.39	352.48	354.74	354.78	355.54	0.012182	3.98			21.68	14.28	1.03
Intermedio	69.068*	Max WS	UF Tr30_D3_int	151.69	352.48	355.42	355.57	356.53	0.012804	4.66			32.58	17.58	1.09
Intermedio	69.068*	Max WS	UF Tr30_D6_int	161.19	352.48	355.51	355.66	356.65	0.012860	4.72			34.11	18.07	1.10
Intermedio	69.054*	Max WS	UF Tr30_D1_int	86.65	352.26	354.49	354.54	355.30	0.012375	3.99			21.73	14.54	1.04
Intermedio	69.054*	Max WS	UF Tr30_D3_int	151.81	352.26	355.17	355.32	356.27	0.012885	4.66			32.59	17.72	1.10
Intermedio	69.054*	Max WS	UF Tr30_D6_int	161.30	352.26	355.25	355.41	356.39	0.012908	4.73			34.10	18.14	1.10
Intermedio	69.041*	Max WS	UF Tr30_D1_int	86.91	352.04	354.25	354.30	355.05	0.012440	3.98			21.85	14.78	1.04
Intermedio	69.041*	Max WS	UF Tr30_D3_int	151.93	352.04	354.91	355.05	356.02	0.012830	4.65			32.69	17.82	1.10
Intermedio	69.041*	Max WS	UF Tr30_D6_int	161.41	352.04	355.00	355.14	356.13	0.012840	4.72			34.19	18.20	1.10
Intermedio	69.027*	Max WS	UF Tr30_D1_int	87.17	351.82	354.00	354.05	354.80	0.012274	3.94			22.11	15.02	1.04
Intermedio	69.027*	Max WS	UF Tr30_D3_int	152.05	351.82	354.66	354.78	355.75	0.012593	4.62			32.94	17.90	1.09
Intermedio	69.027*	Max WS	UF Tr30_D6_int	161.52	351.82	354.75	354.89	355.87	0.012606	4.69			34.43	18.26	1.09
Intermedio	69.014*	Max WS	UF Tr30_D1_int	87.43	351.60	353.77	353.79	354.53	0.011783	3.87			22.57	15.27	1.02
Intermedio	69.014*	Max WS	UF Tr30_D3_int	152.17	351.60	354.42	354.52	355.48	0.012133	4.56			33.40	17.98	1.07
Intermedio	69.014*	Max WS	UF Tr30_D6_int	161.62	351.60	354.50	354.60	355.59	0.012156	4.63			34.89	18.33	1.07
Intermedio	69	Max WS	UF Tr30_D1_int	87.69	351.38	353.54	353.52	354.26	0.010863	3.75			23.36	15.57	0.98
Intermedio	69	Max WS	UF Tr30_D3_int	152.30	351.38	354.19	354.23	355.20	0.011388	4.46			34.18	18.09	1.04
Intermedio	69	Max WS	UF Tr30_D6_int	161.73	351.38	354.27	354.33	355.32	0.011432	4.53			35.67	18.44	1.04
Intermedio	68.833*	Max WS	UF Tr30_D1_int	87.93	351.16	353.34	353.38	354.11	0.012195	3.89			22.60	15.66	1.03
Intermedio	68.833*	Max WS	UF Tr30_D3_int	152.40	351.16	353.97	354.08	355.04	0.012371	4.58			33.25	18.03	1.08
Intermedio	68.833*	Max WS	UF Tr30_D6_int	161.84	351.16	354.05	354.18	355.16	0.012371	4.66			34.73	18.37	1.08
Intermedio	68.8		Lat Struct												
Intermedio	68.7		Lat Struct												
Intermedio	68.667*	Max WS	UF Tr30_D1_int	88.16	350.94	353.11	353.19	353.92	0.013078	3.98			22.15	15.68	1.07
Intermedio	68.667*	Max WS	UF Tr30_D3_int	152.51	350.94	353.75	353.88	354.85	0.012832	4.65			32.79	17.90	1.10
Intermedio	68.667*	Max WS	UF Tr30_D6_int	161.94	350.94	353.83	353.97	354.97	0.012799	4.73			34.26	18.20	1.10
Intermedio	68.500*	Max WS	UF Tr30_D1_int	88.40	350.72	352.88	352.95	353.69	0.013021	3.98			22.20	15.65	1.07
Intermedio	68.500*	Max WS	UF Tr30_D3_int	152.62	350.72	353.52	353.64	354.61	0.012683	4.63			32.94	17.91	1.09
Intermedio	68.500*	Max WS	UF Tr30_D6_int	162.03	350.72	353.60	353.74	354.73	0.012648	4.71			34.41	18.19	1.09
Intermedio	68.333*	Max WS	UF Tr30_D1_int	88.63	350.51	352.66	352.67	353.41	0.011671	3.84			23.07	15.72	1.01
Intermedio	68.333*	Max WS	UF Tr30_D3_int	152.74	350.51	353.30	353.37	354.34	0.011683	4.51			33.89	17.99	1.05
Intermedio	68.333*	Max WS	UF Tr30_D6_int	162.14	350.51	353.38	353.46	354.45	0.011692	4.59			35.36	18.27	1.05
Intermedio	68.167*	Max WS	UF Tr30_D1_int	88.87	350.29	352.47		353.11	0.009226	3.55			25.04	15.98	0.91
Intermedio	68.167*	Max WS	UF Tr30_D3_int	152.85	350.29	353.11	353.06	354.03	0.009904	4.26			35.89	18.17	0.97
Intermedio	68.167*	Max WS	UF Tr30_D6_int	162.23	350.29	353.19	353.15	354.15	0.009973	4.34			37.36	18.45	0.97
Intermedio	68	Max WS	UF Tr30_D1_int	89.10	350.07	352.33		352.84	0.006501	3.15			28.33	16.46	0.77
Intermedio	68	Max WS	UF Tr30_D3_int	152.96	350.07	352.95		353.73	0.007743	3.91			39.14	18.54	0.86
Intermedio	68	Max WS	UF Tr30_D6_int	162.33	350.07	353.03		353.84	0.007875	4.00			40.61	18.80	0.87
Intermedio	67.800*	Max WS	UF Tr30_D1_int	89.36	349.96	352.19		352.74	0.007534	3.28			27.23	16.80	0.82
Intermedio	67.800*	Max WS	UF Tr30_D3_int	153.09	349.96	352.78		353.62	0.008745	4.05			37.82	18.87	0.91
Intermedio	67.800*	Max WS	UF Tr30_D6_int	162.44	349.96	352.86		353.73	0.008866	4.14			39.26	19.13	0.92
Intermedio	67.600*	Max WS	UF Tr30_D1_int	89.62	349.86	352.03		352.63	0.008738	3.42			26.20	17.17	0.88
Intermedio	67.600*	Max WS	UF Tr30_D3_int	153.20	349.86	352.60	352.56	353.50	0.009867	4.19			36.54	19.11	0.97
Intermedio	67.600*	Max WS	UF Tr30_D6_int	162.55	349.86	352.67	352.64	353.61	0.009983	4.28			37.95	19.37	0.98
Intermedio	67.400*	Max WS	UF Tr30_D1_int	89.88	349.75	351.84	351.79	352.49	0.010140	3.57			25.17	17.39	0.95
Intermedio	67.400*	Max WS	UF Tr30_D3_int	153.33	349.75	352.39	352.43	353.36	0.011213	4.36			35.21	19.25	1.03
Intermedio	67.400*	Max WS	UF Tr30_D6_int	162.66	349.75	352.46	352.52	353.47	0.011319	4.45			36.58	19.49	1.04
Intermedio	67.200*	Max WS	UF Tr30_D1_int	90.14	349.64	351.62	351.65	352.34	0.012034	3.78			23.99	17.49	1.02
Intermedio	67.200*	Max WS	UF Tr30_D3_int	153.45	349.64	352.15	352.28	353.21	0.012076	4.55			33.69	19.24	1.10
Intermedio	67.200*	Max WS	UF Tr30_D6_int	162.77	349.64	352.22	352.36	353.32	0.013077	4.65			35.01	19.48	1.11
Intermedio	67	Max WS	UF Tr30_D1_int	90.40	349.54	351.35	351.48	352.18	0.015303	4.05			22.32	17.39	1.14
Intermedio	67	Max WS	UF Tr30_D3_int	153.58	349.54	351.86	352.11	353.06	0.015763	4.85			31.69	19.05	1.20
Intermedio	67	Max WS	UF Tr30_D6_int	162.88	349.54	351.93	352.19	353.17	0.015819	4.94			32.97	19.29	1.21
Intermedio	66.800*	Max WS	UF Tr30_D1_int	90.64	349.22	351.07	351.19	351.87	0.014946	3.97			22.83	18.17	1.13
Intermedio	66.800*	Max WS	UF Tr30_D3_int	153.70	349.22	351.57	351.80	352.72	0.015257	4.73			32.48	19.96	1.18
Intermedio	66.800*	Max WS	UF Tr30_D6_int	162.98	349.22	351.64	351.87	352.83	0.015286	4.82			33.81	20.21	1.19
Intermedio	66.600*	Max WS	UF Tr30_D1_int	90.88	348.90	350.79	350.90	351.57	0.014659	3.89			23.34	18.97	1.12

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	66.200*	Max WS	UF Tr30_D1_int	91.37	348.26	350.26	350.35	350.98	0.014181	3.75			24.39	20.62	1.10
Intermedio	66.200*	Max WS	UF Tr30_D3_int	154.04	348.26	350.78	350.90	351.73	0.013288	4.32			35.64	22.99	1.11
Intermedio	66.200*	Max WS	UF Tr30_D6_int	163.29	348.26	350.84	350.97	351.83	0.013227	4.39			37.17	23.30	1.11
Intermedio	66	Max WS	UF Tr30_D1_int	91.61	347.93	350.00	350.08	350.69	0.013869	3.67			24.99	21.49	1.09
Intermedio	66	Max WS	UF Tr30_D3_int	154.16	347.93	350.54	350.62	351.41	0.012240	4.14			37.26	24.17	1.06
Intermedio	66	Max WS	UF Tr30_D6_int	163.39	347.93	350.61	350.69	351.51	0.012164	4.20			38.89	24.53	1.07
Intermedio	65	Max WS	UF Tr30_D1_int	91.86	347.33	349.81		350.20	0.006457	2.79			32.93	23.59	0.75
Intermedio	65	Max WS	UF Tr30_D3_int	154.28	347.33	350.36		350.92	0.006862	3.32			46.53	26.79	0.80
Intermedio	65	Max WS	UF Tr30_D6_int	163.50	347.33	350.42		351.01	0.006895	3.38			48.32	27.08	0.81
Intermedio	64.500*	Max WS	UF Tr30_D1_int	92.07	347.42	349.68		350.22	0.009859	3.27			28.16	22.17	0.93
Intermedio	64.500*	Max WS	UF Tr30_D3_int	154.38	347.42	350.23		350.94	0.009445	3.73			41.43	25.85	0.94
Intermedio	64.500*	Max WS	UF Tr30_D6_int	163.59	347.42	350.29	350.23	351.03	0.009400	3.79			43.15	26.11	0.94
Intermedio	64	Max WS	UF Tr30_D1_int	92.28	347.51	349.50	349.54	350.18	0.012736	3.66			25.22	20.13	1.04
Intermedio	64	Max WS	UF Tr30_D3_int	154.48	347.51	350.05	350.13	350.92	0.012768	4.12			37.51	25.06	1.07
Intermedio	64	Max WS	UF Tr30_D6_int	163.68	347.51	350.12	350.20	351.01	0.012568	4.17			39.21	25.34	1.07
Intermedio	63.667*	Max WS	UF Tr30_D1_int	92.53	347.17	349.25	349.29	349.93	0.012602	3.65			25.33	20.12	1.04
Intermedio	63.667*	Max WS	UF Tr30_D3_int	154.61	347.17	349.80	349.89	350.66	0.012999	4.11			37.63	25.62	1.08
Intermedio	63.667*	Max WS	UF Tr30_D6_int	163.79	347.17	349.87	349.96	350.75	0.012742	4.15			39.42	25.99	1.08
Intermedio	63.333*	Max WS	UF Tr30_D1_int	92.79	346.84	349.00	349.03	349.68	0.012665	3.65			25.41	20.08	1.04
Intermedio	63.333*	Max WS	UF Tr30_D3_int	154.73	346.84	349.54	349.65	350.41	0.013522	4.15			37.31	25.60	1.09
Intermedio	63.333*	Max WS	UF Tr30_D6_int	163.90	346.84	349.61	349.71	350.50	0.013310	4.18			39.19	26.26	1.10
Intermedio	63	Max WS	UF Tr30_D1_int	93.05	346.50	348.74	348.79	349.44	0.013236	3.70			25.18	19.78	1.05
Intermedio	63	Max WS	UF Tr30_D3_int	154.86	346.50	349.26	349.41	350.19	0.014232	4.26			36.36	24.47	1.12
Intermedio	63	Max WS	UF Tr30_D6_int	164.00	346.50	349.34	349.48	350.28	0.014335	4.29			38.25	25.66	1.12
Intermedio	62.800*	Max WS	UF Tr30_D1_int	93.30	346.28	348.49	348.52	349.18	0.012496	3.67			25.42	19.70	1.03
Intermedio	62.800*	Max WS	UF Tr30_D3_int	154.98	346.28	349.00	349.15	349.94	0.013280	4.29			36.10	23.10	1.10
Intermedio	62.800*	Max WS	UF Tr30_D6_int	164.11	346.28	349.07	349.22	350.03	0.013725	4.34			37.84	24.49	1.11
Intermedio	62.600*	Max WS	UF Tr30_D1_int	93.55	346.05	348.25	348.27	348.93	0.012021	3.63			25.74	19.90	1.02
Intermedio	62.600*	Max WS	UF Tr30_D3_int	155.10	346.05	348.74	348.88	349.69	0.012762	4.30			36.09	22.60	1.09
Intermedio	62.600*	Max WS	UF Tr30_D6_int	164.22	346.05	348.81	348.96	349.78	0.013076	4.36			37.66	23.51	1.10
Intermedio	62.400*	Max WS	UF Tr30_D1_int	93.80	345.82	348.02	348.03	348.69	0.011692	3.60			26.07	20.13	1.01
Intermedio	62.400*	Max WS	UF Tr30_D3_int	155.22	345.82	348.50	348.61	349.44	0.012579	4.29			36.16	22.51	1.08
Intermedio	62.400*	Max WS	UF Tr30_D6_int	164.33	345.82	348.56	348.70	349.54	0.012774	4.37			37.60	23.06	1.09
Intermedio	62.200*	Max WS	UF Tr30_D1_int	94.05	345.60	347.80	347.81	348.45	0.011648	3.57			26.35	20.48	1.01
Intermedio	62.200*	Max WS	UF Tr30_D3_int	155.35	345.60	348.25	348.36	349.20	0.012718	4.30			36.13	22.58	1.09
Intermedio	62.200*	Max WS	UF Tr30_D6_int	164.43	345.60	348.31	348.44	349.29	0.012879	4.39			37.49	22.94	1.10
Intermedio	62	Max WS	UF Tr30_D1_int	94.30	345.37	347.57	347.58	348.22	0.011967	3.56			26.47	20.82	1.01
Intermedio	62	Max WS	UF Tr30_D3_int	155.47	345.37	348.00	348.13	348.96	0.013336	4.34			35.85	22.66	1.10
Intermedio	62	Max WS	UF Tr30_D6_int	164.54	345.37	348.06	348.19	349.06	0.013511	4.43			37.13	22.95	1.11
Intermedio	61.500*	Max WS	UF Tr30_D1_int	94.49	345.44	347.37	347.49	348.12	0.015285	3.83			24.68	21.28	1.14
Intermedio	61.500*	Max WS	UF Tr30_D3_int	155.56	345.44	347.78	348.01	348.86	0.016349	4.59			33.91	23.37	1.22
Intermedio	61.500*	Max WS	UF Tr30_D6_int	164.62	345.44	347.84	348.07	348.96	0.016420	4.68			35.19	23.62	1.22
Intermedio	61	Max WS	UF Tr30_D1_int	94.68	345.52	347.11	347.33	348.02	0.020414	4.21			22.49	20.95	1.30
Intermedio	61	Max WS	UF Tr30_D3_int	155.65	345.52	347.51	347.84	348.77	0.020715	4.97			31.33	22.87	1.36
Intermedio	61	Max WS	UF Tr30_D6_int	164.70	345.52	347.57	347.91	348.87	0.020692	5.06			32.57	23.11	1.36
Intermedio	60.500*	Max WS	UF Tr30_D1_int	94.87	345.17	346.79	347.03	347.72	0.022505	4.26			22.25	22.04	1.35
Intermedio	60.500*	Max WS	UF Tr30_D3_int	155.74	345.17	347.20	347.54	348.43	0.021098	4.91			31.71	24.05	1.37
Intermedio	60.500*	Max WS	UF Tr30_D6_int	164.78	345.17	347.26	347.61	348.53	0.020901	4.98			33.06	24.33	1.37
Intermedio	60	Max WS	UF Tr30_D1_int	95.06	344.82	346.49	346.66	347.29	0.018319	3.97			23.96	22.46	1.23
Intermedio	60	Max WS	UF Tr30_D3_int	155.84	344.82	346.92	347.17	347.98	0.017781	4.58			34.05	25.10	1.25
Intermedio	60	Max WS	UF Tr30_D6_int	164.86	344.82	346.97	347.23	348.05	0.017620	4.64			35.53	25.47	1.25
Intermedio	59.500*	Max WS	UF Tr30_D1_int	95.20	344.50	346.30	346.45	347.06	0.018333	3.87			24.60	23.95	1.22
Intermedio	59.500*	Max WS	UF Tr30_D3_int	155.91	344.50	346.74	346.93	347.72	0.015918	4.39			35.50	25.49	1.19
Intermedio	59.500*	Max WS	UF Tr30_D6_int	164.92	344.50	346.80	346.98	347.81	0.015615	4.45			37.06	25.70	1.18
Intermedio	59	Max WS	UF Tr30_D1_int	95.33	344.18	346.11	346.24	346.84	0.017787	3.79			25.18	24.38	1.19
Intermedio	59	Max WS	UF Tr30_D3_int	155.97	344.18	346.58	346.71	347.49	0.014320	4.22			36.93	25.50	1.12
Intermedio	59	Max WS	UF Tr30_D6_int	164.98	344.18	346.65	346.76	347.58	0.013998	4.28			38.58	25.67	1.11
Intermedio	58.500*	Max WS	UF Tr30_D1_int	95.53	343.89	345.87	345.92	346.51	0.013341	3.54			27.02	23.54	1.05
Intermedio	58.500*	Max WS	UF Tr30_D3_int	156.07	343.89	346.39	346.39	347.18	0.011015	3.95			39.56	25.04	1.00
Intermedio	58.500*	Max WS	UF Tr30_D6_int	165.06	343.89	346.46	346.45	347.27	0.010824	4.00			41.28	25.24	1.00
Intermedio	58	Max WS	UF Tr30_D1_int	95.73	343.60	345.70		346.20	0.008510	3.13			30.55	22.62	0.86
Intermedio	58	Max WS	UF Tr30_D3_int	156.17	343.60	346.24		346.90	0.008062	3.61			43.24	24.65	0.87
Intermedio	58	Max WS	UF Tr30_D6_int	165.15	343.60	346.31		347.00	0.008026	3.67			44.98	24.92	0.87
Intermedio	57.667*	Max WS	UF Tr30_D1_int	95.92	343.38	345.57		346.12	0.009228	3.28			29.28	21.78	0.90
Intermedio	57.667*	Max WS	UF Tr30_D3_int	156.26	343.38	346.11		346.83	0.008809	3.75			41.72	23.87	0.90
Intermedio	57.667*	Max WS	UF Tr30_D6_int	165.23	343.38	346.18		346.92	0.008547	3.80			43.43	24.12	0.91
Intermedio	57.333*	Max WS	UF Tr30_D1_int	96.12	343.15	345.42		346.02	0.010022	3.41			28.19	20.93	0.94
Intermedio	57.333*	Max WS	UF Tr30_D3_int	156.36	343.15	345.96		346.74	0.009115	3.87			40.37	22.80	0.93
Intermedio	57.333*	Max WS	UF Tr30_D6_int	165.31	343.15	346.05		346.84	0.009037	3.93			42.03	23.02	0.93
Intermedio	57	Max WS	UF Tr30_D1_int	96.31	342.93	345.27	345.23	345.90	0.010677	3.52			27.39	19.85	0.98
Intermedio	57	Max WS	UF Tr30_D3_int	156.46	342.93	345.84	345.77	346.65	0.009666	3.99			39.18	21.53	0.95
Intermedio	57	Max WS	UF Tr30_D6_int	165.40	342.93	345.91	345.84	346.75	0.009616	4.06			40.77	21.76	0.95
Intermedio	56.500*	Max WS	UF Tr30_D1_int	96.52	342.85	345.08	345.10	345.80	0.011824	3.74			25.78	18.60	1.02
Intermedio	56.500*	Max WS	UF Tr30_D3_int	156.57	342.85	345.67	345.67	346.56	0.010640	4.18			37.42	20.93	1.00
Intermedio	56.500*	Max WS	UF Tr30_D6_int	165.49	342.85	345.74	345.75	346.66	0.010579	4.25			38.98	21.22	1.00
Intermedio	56	Max WS	UF Tr30_D1_int	96.74	342.78	344.89	344.89	345.62	0.011084	3.77			25.65	17.34	0.99
Intermedio	56	Max WS	UF Tr30_D3_int	156.67	342.78	345.49	345.50	346.42	0.010671	4.26			36.77	19.99	1.00
Intermedio	56	Max WS	UF Tr30_D6_int	165.58	342.78	345.57	345.59	346.52	0.010733	4.33			38.27	20.43	1.01
Intermedio	55.909*	Max WS	UF Tr30_D1_int	96.99	342.53	344.67	344.67	345.41	0.011035	3.81			25.48	16.95	0.99
Intermedio	55.909*	Max WS	UF Tr30_D3_int	156.80	342.53	345.28</									

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	55.727*	Max WS	UF Tr30_D6_int	165.91	342.03	344.91	344.97	345.91	0.011276	4.42			37.57	20.25	1.04
Intermedio	55.636*	Max WS	UF Tr30_D1_int	97.75	341.78	344.01	344.01	344.79	0.011237	3.91			25.02	16.13	1.00
Intermedio	55.636*	Max WS	UF Tr30_D3_int	157.18	341.78	344.62	344.67	345.59	0.011337	4.37	0.08		35.95	19.77	1.03
Intermedio	55.636*	Max WS	UF Tr30_D6_int	166.02	341.78	344.69	344.74	345.70	0.011309	4.45	0.25		37.34	20.25	1.04
Intermedio	55.545	Max WS	UF Tr30_D1_int	98.01	341.53	343.78	343.80	344.58	0.011600	3.95			24.84	16.09	1.01
Intermedio	55.545	Max WS	UF Tr30_D3_int	157.31	341.53	344.40	344.44	345.38	0.011303	4.40	0.28	0.09	35.77	19.71	1.03
Intermedio	55.545	Max WS	UF Tr30_D6_int	166.13	341.53	344.47	344.51	345.49	0.011101	4.47	0.37	0.24	37.20	20.20	1.03
Intermedio	55.454*	Max WS	UF Tr30_D1_int	98.26	341.30	343.56	343.57	344.35	0.011408	3.94			24.92	15.96	1.01
Intermedio	55.454*	Max WS	UF Tr30_D3_int	157.44	341.30	344.17	344.21	345.16	0.011286	4.40	0.11		35.78	19.36	1.03
Intermedio	55.454*	Max WS	UF Tr30_D6_int	166.24	341.30	344.25	344.29	345.26	0.011165	4.46	0.28		37.25	19.87	1.03
Intermedio	55.363*	Max WS	UF Tr30_D1_int	98.51	341.07	343.33	343.33	344.12	0.011120	3.92			25.11	15.88	1.00
Intermedio	55.363*	Max WS	UF Tr30_D3_int	157.56	341.07	343.95	343.98	344.93	0.011080	4.39			35.90	19.10	1.02
Intermedio	55.363*	Max WS	UF Tr30_D6_int	166.35	341.07	344.03	344.06	345.04	0.011026	4.45	0.12		37.38	19.53	1.02
Intermedio	55.273*	Max WS	UF Tr30_D1_int	98.77	340.83	343.11	343.09	343.88	0.010711	3.88			25.44	15.87	0.98
Intermedio	55.273*	Max WS	UF Tr30_D3_int	157.69	340.83	343.73	343.75	344.70	0.010724	4.36			36.18	18.95	1.01
Intermedio	55.273*	Max WS	UF Tr30_D6_int	166.45	340.83	343.81	343.83	344.81	0.010726	4.42			37.66	19.30	1.01
Intermedio	55.182*	Max WS	UF Tr30_D1_int	99.02	340.60	342.91	342.85	343.65	0.010159	3.82			25.95	15.93	0.95
Intermedio	55.182*	Max WS	UF Tr30_D3_int	157.82	340.60	343.52	343.51	344.47	0.010232	4.30			36.67	18.84	0.99
Intermedio	55.182*	Max WS	UF Tr30_D6_int	166.56	340.60	343.60	343.59	344.57	0.010257	4.37			38.13	19.19	0.99
Intermedio	55.091*	Max WS	UF Tr30_D1_int	99.27	340.37	342.71		343.42	0.009417	3.72			26.70	16.05	0.92
Intermedio	55.091*	Max WS	UF Tr30_D3_int	157.94	340.37	343.33	343.26	344.24	0.009613	4.22			37.40	18.80	0.96
Intermedio	55.091*	Max WS	UF Tr30_D6_int	166.67	340.37	343.40	343.35	344.34	0.009667	4.29			38.85	19.14	0.96
Intermedio	55	Max WS	UF Tr30_D1_int	99.52	340.13	342.53		343.19	0.008495	3.59			27.74	16.23	0.88
Intermedio	55	Max WS	UF Tr30_D3_int	158.07	340.13	343.14		344.01	0.008878	4.11			38.43	18.85	0.92
Intermedio	55	Max WS	UF Tr30_D6_int	166.78	340.13	343.22		344.11	0.008954	4.19			39.85	19.16	0.93
Intermedio	54.933*	Max WS	UF Tr30_D1_int	99.77	339.96	342.37		343.04	0.008730	3.62			27.53	16.22	0.89
Intermedio	54.933*	Max WS	UF Tr30_D3_int	158.19	339.96	342.97		343.85	0.009161	4.15			38.10	18.92	0.93
Intermedio	54.933*	Max WS	UF Tr30_D6_int	166.88	339.96	343.05	342.96	343.96	0.009247	4.22			39.50	19.24	0.94
Intermedio	54.9		Lat Struct												
Intermedio	54.87		Lat Struct												
Intermedio	54.867*	Max WS	UF Tr30_D1_int	100.01	339.78	342.20		342.89	0.009054	3.67			27.24	16.19	0.90
Intermedio	54.867*	Max WS	UF Tr30_D3_int	158.31	339.78	342.80	342.72	343.70	0.009553	4.20			37.66	18.99	0.95
Intermedio	54.867*	Max WS	UF Tr30_D6_int	166.98	339.78	342.87	342.80	343.80	0.009658	4.28			39.03	19.31	0.96
Intermedio	54.800*	Max WS	UF Tr30_D1_int	100.25	339.60	342.03		342.74	0.009508	3.74			26.84	16.13	0.92
Intermedio	54.800*	Max WS	UF Tr30_D3_int	158.43	339.60	342.61	342.58	343.54	0.010103	4.27			37.08	19.06	0.98
Intermedio	54.800*	Max WS	UF Tr30_D6_int	167.09	339.60	342.68	342.67	343.64	0.010227	4.35			38.41	19.39	0.99
Intermedio	54.733*	Max WS	UF Tr30_D1_int	100.49	339.42	341.84	341.78	342.59	0.010177	3.83			26.26	16.01	0.95
Intermedio	54.733*	Max WS	UF Tr30_D3_int	158.55	339.42	342.41	342.44	343.39	0.010910	4.37			36.28	19.11	1.01
Intermedio	54.733*	Max WS	UF Tr30_D6_int	167.19	339.42	342.48	342.51	343.49	0.011064	4.45			37.56	19.45	1.02
Intermedio	54.667*	Max WS	UF Tr30_D1_int	100.73	339.24	341.64	341.64	342.44	0.011183	3.96			25.44	15.79	1.00
Intermedio	54.667*	Max WS	UF Tr30_D3_int	158.68	339.24	342.20	342.29	343.23	0.012138	4.51			35.15	19.11	1.06
Intermedio	54.667*	Max WS	UF Tr30_D6_int	167.30	339.24	342.26	342.42	343.34	0.012257	4.60		0.17	36.37	19.78	1.07
Intermedio	54.6	Max WS	UF Tr30_D1_int	100.97	339.06	341.42	341.49	342.30	0.012739	4.16			24.26	15.36	1.06
Intermedio	54.6	Max WS	UF Tr30_D3_int	158.80	339.06	341.95	342.19	343.10	0.014156	4.75		0.12	33.47	19.18	1.14
Intermedio	54.6	Max WS	UF Tr30_D6_int	167.40	339.06	342.01	342.28	343.20	0.014177	4.83		0.33	34.68	20.29	1.15
Intermedio	54.525*	Max WS	UF Tr30_D1_int	101.21	338.85	341.18	341.25	342.02	0.012635	4.07			24.85	16.38	1.06
Intermedio	54.525*	Max WS	UF Tr30_D3_int	158.92	338.85	341.68	341.86	342.80	0.013869	4.67			34.02	19.60	1.13
Intermedio	54.525*	Max WS	UF Tr30_D6_int	167.50	338.85	341.74	341.98	342.90	0.014004	4.75		0.08	35.23	20.02	1.14
Intermedio	54.450*	Max WS	UF Tr30_D1_int	101.44	338.64	340.94	341.01	341.75	0.012526	3.99			25.43	17.37	1.05
Intermedio	54.450*	Max WS	UF Tr30_D3_int	159.04	338.64	341.42	341.58	342.50	0.013603	4.60			34.58	20.25	1.12
Intermedio	54.450*	Max WS	UF Tr30_D6_int	167.61	338.64	341.48	341.66	342.60	0.013722	4.68			35.82	20.57	1.13
Intermedio	54.375*	Max WS	UF Tr30_D1_int	101.69	338.43	340.71	340.77	341.49	0.012436	3.91			26.00	18.33	1.05
Intermedio	54.375*	Max WS	UF Tr30_D3_int	159.16	338.43	341.17	341.32	342.21	0.013399	4.53			35.15	20.96	1.12
Intermedio	54.375*	Max WS	UF Tr30_D6_int	167.71	338.43	341.23	341.39	342.31	0.013488	4.61			36.39	21.23	1.12
Intermedio	54.300*	Max WS	UF Tr30_D1_int	101.92	338.21	340.47	340.52	341.22	0.012390	3.84			26.53	19.27	1.05
Intermedio	54.300*	Max WS	UF Tr30_D3_int	159.28	338.21	340.92	341.06	341.93	0.013257	4.46			35.70	21.68	1.11
Intermedio	54.300*	Max WS	UF Tr30_D6_int	167.81	338.21	340.98	341.13	342.03	0.013343	4.54			36.95	21.94	1.12
Intermedio	54.225*	Max WS	UF Tr30_D1_int	102.16	338.00	340.24	340.28	340.97	0.012390	3.78			27.03	20.18	1.04
Intermedio	54.225*	Max WS	UF Tr30_D3_int	159.40	338.00	340.67	340.79	341.66	0.015186	4.40			36.22	22.41	1.11
Intermedio	54.225*	Max WS	UF Tr30_D6_int	167.92	338.00	340.72	340.85	341.75	0.013261	4.48			37.49	22.66	1.11
Intermedio	54.150*	Max WS	UF Tr30_D1_int	102.40	337.79	340.00	340.05	340.71	0.012472	3.73			27.47	21.06	1.04
Intermedio	54.150*	Max WS	UF Tr30_D3_int	159.52	337.79	340.42	340.54	341.38	0.013212	4.35			36.68	23.15	1.10
Intermedio	54.150*	Max WS	UF Tr30_D6_int	168.02	337.79	340.47	340.60	341.47	0.013279	4.43			37.94	23.39	1.11
Intermedio	54.075*	Max WS	UF Tr30_D1_int	102.64	337.58	339.77	339.82	340.46	0.012732	3.70			27.77	21.90	1.05
Intermedio	54.075*	Max WS	UF Tr30_D3_int	159.64	337.58	340.17	340.29	341.12	0.013387	4.31			37.01	23.88	1.11
Intermedio	54.075*	Max WS	UF Tr30_D6_int	168.12	337.58	340.22	340.36	341.21	0.013438	4.39			38.29	24.11	1.11
Intermedio	54	Max WS	UF Tr30_D1_int	102.88	337.36	339.56	339.58	340.21	0.008883	3.57			28.80	22.95	1.02
Intermedio	54	Max WS	UF Tr30_D3_int	159.77	337.36	339.96	340.04	340.85	0.009364	4.19			38.15	24.76	1.08
Intermedio	54	Max WS	UF Tr30_D6_int	168.23	337.36	340.01	340.10	340.93	0.009394	4.26			39.46	24.98	1.08
Intermedio	53.917	Max WS	UF Tr30_D1_int	103.12	337.13	339.38	339.45	340.08	0.010310	3.70			27.83	23.32	1.08
Intermedio	53.917	Max WS	UF Tr30_D3_int	159.89	337.13	339.77	339.89	340.71	0.010204	4.31			37.09	24.37	1.12
Intermedio	53.917	Max WS	UF Tr30_D6_int	168.33	337.13	339.82	339.95	340.80	0.010193	4.39			38.37	24.52	1.12
Intermedio	53.834*	Max WS	UF Tr30_D1_int	103.37	336.96	339.18	339.25	339.88	0.010318	3.72			27.75	23.15	1.09
Intermedio	53.834*	Max WS	UF Tr30_D3_int	160.02	336.96	339.57	339.70	340.52	0.010183	4.32			37.01	24.25	1.12
Intermedio	53.834*	Max WS	UF Tr30_D6_int	168.44	336.96	339.62	339.76	340.61	0.010175	4.40			38.29	24.39	1.12
Intermedio	53.750*	Max WS	UF Tr30_D1_int	103.61	336.79	338.98	339.05	339.69	0.010325	3.74			27.68	22.98	1.09
Intermedio	53.750*	Max WS	UF Tr30_D3_int	160.14	336.79	339.37	339.50	340.33	0.010157	4.33			36.95	24.12	1.12
Intermedio	53.750*	Max WS	UF Tr30_D6_int	168.54	336.79	339.42	339.56	340.41	0.010140	4.41			38.23	24.28	1.12
Intermedio	53.667*	Max WS	UF Tr30_D1_int	103.86	336.62	338.78									

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	53.500*	Max WS	UF Tr30_D1_int	104.34	336.27	338.38	338.46	339.11	0.010346	3.80			27.45	22.44	1.10
Intermedio	53.500*	Max WS	UF Tr30_D3_int	160.52	336.27	338.78	338.91	339.75	0.010024	4.36			36.85	23.80	1.12
Intermedio	53.500*	Max WS	UF Tr30_D6_int	168.86	336.27	338.84	338.98	339.84	0.010003	4.43			38.14	23.97	1.12
Intermedio	53.417*	Max WS	UF Tr30_D1_int	104.59	336.11	338.18	338.27	338.92	0.010311	3.82			27.39	22.20	1.10
Intermedio	53.417*	Max WS	UF Tr30_D3_int	160.64	336.11	338.59	338.72	339.56	0.009947	4.36			36.87	23.70	1.12
Intermedio	53.417*	Max WS	UF Tr30_D6_int	168.97	336.11	338.65	338.78	339.64	0.009926	4.43			38.16	23.88	1.12
Intermedio	53.333*	Max WS	UF Tr30_D1_int	104.83	335.93	337.98	338.06	338.73	0.010227	3.83			27.38	21.99	1.10
Intermedio	53.333*	Max WS	UF Tr30_D3_int	160.76	335.93	338.40	338.53	339.37	0.009846	4.35			36.94	23.63	1.11
Intermedio	53.333*	Max WS	UF Tr30_D6_int	169.08	335.93	338.45	338.59	339.45	0.009827	4.42			38.23	23.82	1.11
Intermedio	53.250*	Max WS	UF Tr30_D1_int	105.08	335.76	337.79	337.87	338.54	0.010110	3.83			27.41	21.79	1.09
Intermedio	53.250*	Max WS	UF Tr30_D3_int	160.89	335.76	338.21	338.33	339.17	0.009710	4.34			37.06	23.57	1.11
Intermedio	53.250*	Max WS	UF Tr30_D6_int	169.18	335.76	338.27	338.39	339.26	0.009698	4.41			38.35	23.77	1.11
Intermedio	53.167*	Max WS	UF Tr30_D1_int	105.32	335.59	337.60	337.67	338.34	0.009922	3.83			27.52	21.62	1.08
Intermedio	53.167*	Max WS	UF Tr30_D3_int	161.01	335.59	338.03	338.13	338.98	0.009530	4.32			37.26	23.53	1.10
Intermedio	53.167*	Max WS	UF Tr30_D6_int	169.29	335.59	338.08	338.20	339.06	0.009523	4.39			38.56	23.75	1.10
Intermedio	53.083*	Max WS	UF Tr30_D1_int	105.56	335.42	337.41	337.48	338.15	0.009690	3.81			27.68	21.46	1.07
Intermedio	53.083*	Max WS	UF Tr30_D3_int	161.13	335.42	337.84	337.94	338.78	0.009301	4.29			37.55	23.54	1.08
Intermedio	53.083*	Max WS	UF Tr30_D6_int	169.39	335.42	337.90	337.99	338.87	0.009306	4.36			38.85	23.77	1.09
Intermedio	53	Max WS	UF Tr30_D1_int	105.80	335.25	337.22	337.28	337.95	0.009355	3.78			27.96	21.35	1.06
Intermedio	53	Max WS	UF Tr30_D3_int	161.26	335.25	337.67	337.75	338.59	0.009020	4.25			37.96	23.59	1.07
Intermedio	53	Max WS	UF Tr30_D6_int	169.50	335.25	337.72	337.81	338.67	0.009038	4.32			39.26	23.84	1.07
Intermedio	52.889*	Max WS	UF Tr30_D1_int	106.03	335.05	337.05	337.11	337.79	0.009385	3.80			27.88	21.18	1.06
Intermedio	52.889*	Max WS	UF Tr30_D3_int	161.38	335.05	337.50	337.58	338.42	0.009006	4.25			37.98	23.58	1.07
Intermedio	52.889*	Max WS	UF Tr30_D6_int	169.60	335.05	337.56	337.65	338.51	0.009035	4.32			39.27	23.84	1.07
Intermedio	52.778*	Max WS	UF Tr30_D1_int	106.26	334.84	336.88	336.94	337.62	0.009400	3.82			27.81	20.98	1.06
Intermedio	52.778*	Max WS	UF Tr30_D3_int	161.50	334.84	337.34	337.42	338.25	0.008973	4.25			38.03	23.56	1.07
Intermedio	52.778*	Max WS	UF Tr30_D6_int	169.70	334.84	337.39	337.48	338.34	0.009010	4.32			39.32	23.84	1.07
Intermedio	52.667*	Max WS	UF Tr30_D1_int	106.50	334.63	336.71	336.76	337.45	0.009346	3.83			27.79	20.75	1.06
Intermedio	52.667*	Max WS	UF Tr30_D3_int	161.62	334.63	337.17	337.25	338.09	0.008921	4.24			38.12	23.54	1.06
Intermedio	52.667*	Max WS	UF Tr30_D6_int	169.80	334.63	337.22	337.31	338.17	0.008970	4.31			39.41	23.85	1.07
Intermedio	52.556*	Max WS	UF Tr30_D1_int	106.73	334.43	336.53	336.58	337.28	0.009192	3.83			27.85	20.47	1.05
Intermedio	52.556*	Max WS	UF Tr30_D3_int	161.74	334.43	337.01	337.07	337.92	0.008834	4.23			38.26	23.52	1.06
Intermedio	52.556*	Max WS	UF Tr30_D6_int	169.89	334.43	337.06	337.13	338.00	0.008901	4.30			39.55	23.86	1.07
Intermedio	52.444*	Max WS	UF Tr30_D1_int	106.95	334.22	336.37	336.40	337.11	0.008900	3.82			28.01	20.12	1.03
Intermedio	52.444*	Max WS	UF Tr30_D3_int	161.86	334.22	336.84	336.90	337.75	0.008709	4.21			38.47	23.51	1.05
Intermedio	52.444*	Max WS	UF Tr30_D6_int	169.97	334.22	336.90	336.96	337.83	0.008803	4.28			39.74	23.89	1.06
Intermedio	52.333*	Max WS	UF Tr30_D1_int	107.18	334.02	336.21	336.21	336.93	0.008453	3.78			28.34	19.77	1.01
Intermedio	52.333*	Max WS	UF Tr30_D3_int	161.98	334.02	336.68	336.72	337.57	0.008533	4.18			38.77	23.50	1.04
Intermedio	52.333*	Max WS	UF Tr30_D6_int	170.03	334.02	336.74	336.78	337.66	0.008669	4.25			40.02	23.94	1.05
Intermedio	52.222*	Max WS	UF Tr30_D1_int	107.41	333.81	336.05	336.02	336.76	0.007896	3.72			28.90	19.56	0.98
Intermedio	52.222*	Max WS	UF Tr30_D3_int	162.10	333.81	336.53	336.55	337.40	0.008303	4.14			39.18	23.51	1.02
Intermedio	52.222*	Max WS	UF Tr30_D6_int	170.02	333.81	336.58	336.62	337.48	0.008479	4.21	0.05		40.38	24.12	1.04
Intermedio	52.111*	Max WS	UF Tr30_D1_int	107.64	333.61	335.91		336.58	0.007285	3.62			29.72	19.53	0.94
Intermedio	52.111*	Max WS	UF Tr30_D3_int	162.22	333.61	336.38	336.39	337.23	0.008031	4.08	0.08		39.72	24.11	1.01
Intermedio	52.111*	Max WS	UF Tr30_D6_int	169.72	333.61	336.43	336.47	337.30	0.008167	4.15	0.28		41.03	27.91	1.02
Intermedio	52	Max WS	UF Tr30_D1_int	107.87	333.40	335.78		336.41	0.006582	3.50			30.82	19.68	0.89
Intermedio	52	Max WS	UF Tr30_D3_int	162.33	333.40	336.23	336.24	337.05	0.007717	4.01	0.47		40.72	27.38	0.98
Intermedio	52	Max WS	UF Tr30_D6_int	168.39	333.40	336.28	336.30	337.11	0.007688	4.04	0.63		42.06	27.74	0.98
Intermedio	51.944	Max WS	UF Tr30_D1_int	108.09	333.34	335.68		336.22	0.004940	3.27			33.07	18.90	0.79
Intermedio	51.944	Max WS	UF Tr30_D3_int	162.35	333.34	336.09	336.04	336.84	0.007005	3.83	0.41	0.63	42.92	31.46	0.94
Intermedio	51.944	Max WS	UF Tr30_D6_int	167.49	333.34	336.14	336.09	336.89	0.006727	3.83	0.53	0.73	44.56	32.46	0.93
Intermedio	51.889*	Max WS	UF Tr30_D1_int	108.32	333.20	335.58		336.09	0.005284	3.17			34.22	21.84	0.81
Intermedio	51.889*	Max WS	UF Tr30_D3_int	161.91	333.20	335.97	335.88	336.66	0.006274	3.69	0.55	0.75	44.75	32.70	0.90
Intermedio	51.889*	Max WS	UF Tr30_D6_int	165.28	333.20	336.03	335.91	336.70	0.005825	3.64	0.65	0.82	46.68	33.47	0.87
Intermedio	51.833*	Max WS	UF Tr30_D1_int	108.54	333.06	335.48		335.95	0.005007	3.02		0.27	35.92	24.39	0.79
Intermedio	51.833*	Max WS	UF Tr30_D3_int	160.59	333.06	335.86	335.70	336.48	0.005430	3.51	0.66	0.83	47.10	34.02	0.84
Intermedio	51.833*	Max WS	UF Tr30_D6_int	161.95	333.06	335.93		336.51	0.004838	3.40	0.71	0.87	49.45	35.01	0.80
Intermedio	51.778*	Max WS	UF Tr30_D1_int	108.75	332.92	335.39		335.81	0.004559	2.87			37.89	25.56	0.75
Intermedio	51.778*	Max WS	UF Tr30_D3_int	158.06	332.92	335.76		336.31	0.004502	3.28	0.76	0.87	50.20	35.21	0.77
Intermedio	51.778*	Max WS	UF Tr30_D6_int	158.41	332.92	335.84		336.34	0.003884	3.13	0.84	0.88	53.00	35.21	0.72
Intermedio	51.722*	Max WS	UF Tr30_D1_int	108.87	332.78	335.32		335.69	0.003769	2.68	0.30	0.52	41.19	32.55	0.69
Intermedio	51.722*	Max WS	UF Tr30_D3_int	155.46	332.78	335.69		336.15	0.003645	3.04	0.92	0.89	53.61	34.16	0.70
Intermedio	51.722*	Max WS	UF Tr30_D6_int	154.88	332.78	335.79		336.20	0.003005	2.85	0.96	0.87	57.10	34.16	0.64
Intermedio	51.667*	Max WS	UF Tr30_D1_int	108.00	332.64	335.27		335.57	0.002898	2.45	0.56	0.61	45.36	33.10	0.61
Intermedio	51.667*	Max WS	UF Tr30_D3_int	153.49	332.64	335.65		336.03	0.002827	2.78	1.01	0.87	57.88	33.10	0.63
Intermedio	51.667*	Max WS	UF Tr30_D6_int	154.47	332.64	335.77		336.11	0.002334	2.63	1.02	0.85	61.88	33.10	0.57
Intermedio	51.611	Max WS	UF Tr30_D1_int	108.53	332.50	335.25		335.50	0.002199	2.24	0.71	0.65	50.06	32.04	0.54
Intermedio	51.611	Max WS	UF Tr30_D3_int	152.85	332.50	335.64		335.96	0.002194	2.56	1.01	0.84	62.49	32.04	0.56
Intermedio	51.611	Max WS	UF Tr30_D6_int	157.85	332.50	335.74		336.06	0.001983	2.51	1.03	0.84	65.88	32.04	0.53
Intermedio	51.556*	Max WS	UF Tr30_D1_int	109.60	332.56	335.21		335.45	0.002898	2.15			50.98	37.93	0.59
Intermedio	51.556*	Max WS	UF Tr30_D3_int	151.52	332.56	335.66		335.90	0.002259	2.20		0.54	70.17	46.43	0.54
Intermedio	51.556*	Max WS	UF Tr30_D6_int	161.99	332.56	335.74		335.99	0.002197	2.23	0.24	0.62	74.17	48.34	0.54
Intermedio	51.5	Max WS	UF Tr30_D1_int	109.83	332.62	335.13	334.45	335.40	0.004035	2.31			47.56	40.40	0.68
Intermedio	51.5	Max WS	UF Tr30_D3_int	151.64	332.62	335.60	334.81	335.86	0.002730	2.27			66.69	43.04	0.58
Intermedio	51.5	Max WS	UF Tr30_D6_int	162.18	332.62	335.68	335.14	335.95	0.002724	2.31			70.32	44.36	0.59
Intermedio	51.25		Bridge												
Intermedio	51	Max WS	UF Tr30_D1_int	109.83	331.54	333.36		333.83	0.007500	3.04			36.09	31.73	0.91
Intermedio	51	Max WS	UF Tr30_D3_int	151.64	331.54	333.64		334.21	0.007041	3.37			44.97	32.01	0.91
Intermedio	51	Max WS	UF Tr30												

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Intermedio	50.571*	Max WS	UF Tr30_D1_int	110.56	331.00	332.92		333.45	0.007329	3.22			34.29	27.33	0.92
Intermedio	50.571*	Max WS	UF Tr30_D3_int	152.02	331.00	333.21	333.15	333.86	0.007550	3.58			42.43	29.44	0.95
Intermedio	50.571*	Max WS	UF Tr30_D6_int	162.40	331.00	333.27	333.22	333.96	0.007708	3.66			44.34	30.25	0.97
Intermedio	50.429*	Max WS	UF Tr30_D1_int	110.80	330.82	332.77	332.72	333.33	0.007799	3.33			33.30	26.68	0.95
Intermedio	50.429*	Max WS	UF Tr30_D3_int	152.14	330.82	333.05	333.05	333.75	0.008167	3.69		0.65	41.35	30.39	0.99
Intermedio	50.429*	Max WS	UF Tr30_D6_int	162.40	330.82	333.11	333.14	333.84	0.008352	3.77		0.73	43.22	31.51	1.01
Intermedio	50.286*	Max WS	UF Tr30_D1_int	111.04	330.64	332.60	332.62	333.21	0.009312	3.45			32.15	28.12	1.03
Intermedio	50.286*	Max WS	UF Tr30_D3_int	152.23	330.64	332.88	332.95	333.60	0.009842	3.76			40.47	32.51	1.08
Intermedio	50.286*	Max WS	UF Tr30_D6_int	162.31	330.64	332.93	333.01	333.68	0.009927	3.83			42.34	33.29	1.09
Intermedio	50.143*	Max WS	UF Tr30_D1_int	111.28	330.46	332.40	332.50	333.06	0.010645	3.57			31.14	28.70	1.10
Intermedio	50.143*	Max WS	UF Tr30_D3_int	152.36	330.46	332.68	332.78	333.43	0.010803	3.85			39.56	32.99	1.12
Intermedio	50.143*	Max WS	UF Tr30_D6_int	162.38	330.46	332.73	332.84	333.51	0.010736	3.92			41.42	33.48	1.13
Intermedio	50	Max WS	UF Tr30_D1_int	111.52	330.28	332.18	332.32	332.89	0.013079	3.74			29.80	29.83	1.20
Intermedio	50	Max WS	UF Tr30_D3_int	152.48	330.28	332.45	332.63	333.25	0.011848	3.95			38.60	33.11	1.17
Intermedio	50	Max WS	UF Tr30_D6_int	162.45	330.28	332.51	332.70	333.33	0.011786	4.00			40.65	34.15	1.17
Intermedio	49.800*	Max WS	UF Tr30_D1_int	111.76	329.93	331.94	332.06	332.62	0.011664	3.65			30.60	29.25	1.14
Intermedio	49.800*	Max WS	UF Tr30_D3_int	152.61	329.93	332.24	332.35	332.98	0.010745	3.82			39.96	33.64	1.12
Intermedio	49.800*	Max WS	UF Tr30_D6_int	162.52	329.93	332.30	332.41	333.06	0.010408	3.85			42.24	34.33	1.11
Intermedio	49.600*	Max WS	UF Tr30_D1_int	112.00	329.59	331.73	331.80	332.35	0.009937	3.48			32.18	29.39	1.06
Intermedio	49.600*	Max WS	UF Tr30_D3_int	152.73	329.59	332.04	332.09	332.71	0.009365	3.63			42.11	34.63	1.05
Intermedio	49.600*	Max WS	UF Tr30_D6_int	162.56	329.59	332.11	332.15	332.79	0.008969	3.64			44.70	35.43	1.03
Intermedio	49.400*	Max WS	UF Tr30_D1_int	112.23	329.24	331.56	331.52	332.09	0.008011	3.22			34.86	30.46	0.96
Intermedio	49.400*	Max WS	UF Tr30_D3_int	152.85	329.24	331.87	331.84	332.45	0.007713	3.37			45.40	36.07	0.96
Intermedio	49.400*	Max WS	UF Tr30_D6_int	162.61	329.24	331.96	331.89	332.53	0.007355	3.36			48.37	37.16	0.94
Intermedio	49.200*	Max WS	UF Tr30_D1_int	112.45	328.89	331.42		331.85	0.006149	2.90			38.83	32.40	0.84
Intermedio	49.200*	Max WS	UF Tr30_D3_int	152.96	328.89	331.74		332.22	0.006093	3.05			50.09	38.37	0.85
Intermedio	49.200*	Max WS	UF Tr30_D6_int	162.63	328.89	331.83		332.30	0.005814	3.04			53.44	39.74	0.84
Intermedio	49	Max WS	UF Tr30_D1_int	112.45	328.54	331.32		331.65	0.004665	2.55			44.03	35.12	0.73
Intermedio	49	Max WS	UF Tr30_D3_int	152.93	328.54	331.63		332.01	0.004837	2.72			56.20	42.04	0.75
Intermedio	49	Max WS	UF Tr30_D6_int	162.52	328.54	331.73		332.10	0.004638	2.70			60.11	44.04	0.74
Valle	48.882	Max WS	UF Tr30_D1_int	113.34	328.48	331.06		331.53	0.006772	3.01			37.61	30.84	0.87
Valle	48.882	Max WS	UF Tr30_D3_int	152.99	328.48	331.38		331.89	0.006967	3.17			48.27	37.67	0.89
Valle	48.882	Max WS	UF Tr30_D6_int	166.77	328.48	331.44		331.99	0.007306	3.28			50.88	39.16	0.92
Valle	48.8		Lat Struct												
Valle	48.78		Lat Struct												
Valle	48.771*	Max WS	UF Tr30_D1_int	113.33	328.41	330.93		331.39	0.006753	3.01			37.66	31.55	0.88
Valle	48.771*	Max WS	UF Tr30_D3_int	153.02	328.41	331.24		331.75	0.006758	3.17			48.32	37.59	0.89
Valle	48.771*	Max WS	UF Tr30_D6_int	164.90	328.41	331.30		331.84	0.006968	3.25			50.73	38.84	0.91
Valle	48.661*	Max WS	UF Tr30_D1_int	113.58	328.34	330.80		331.26	0.006701	3.01			37.75	31.76	0.88
Valle	48.661*	Max WS	UF Tr30_D3_int	153.17	328.34	331.11		331.62	0.006566	3.16			48.41	37.25	0.89
Valle	48.661*	Max WS	UF Tr30_D6_int	163.17	328.34	331.17		331.70	0.006618	3.21			50.76	38.37	0.89
Valle	48.550*	Max WS	UF Tr30_D1_int	113.83	328.27	330.67		331.13	0.006569	3.01			37.87	31.62	0.88
Valle	48.550*	Max WS	UF Tr30_D3_int	153.30	328.27	330.99		331.49	0.006344	3.16			48.54	36.69	0.88
Valle	48.550*	Max WS	UF Tr30_D6_int	163.25	328.27	331.05		331.57	0.006414	3.21			50.79	37.70	0.88
Valle	48.439*	Max WS	UF Tr30_D1_int	114.09	328.20	330.55		331.01	0.006406	3.01			37.97	31.22	0.87
Valle	48.439*	Max WS	UF Tr30_D3_int	153.42	328.20	330.86		331.37	0.006126	3.15			48.63	35.97	0.87
Valle	48.439*	Max WS	UF Tr30_D6_int	163.31	328.20	330.92		331.45	0.006230	3.22			50.77	36.93	0.88
Valle	48.329*	Max WS	UF Tr30_D1_int	114.35	328.13	330.42		330.88	0.006208	3.01			38.04	30.60	0.86
Valle	48.329*	Max WS	UF Tr30_D3_int	153.56	328.13	330.75		331.25	0.005945	3.16			48.64	35.21	0.86
Valle	48.329*	Max WS	UF Tr30_D6_int	163.39	328.13	330.80		331.33	0.006053	3.22		0.05	50.72	36.34	0.87
Valle	48.218*	Max WS	UF Tr30_D1_int	114.60	328.06	330.30		330.77	0.005998	3.01			38.07	29.79	0.85
Valle	48.218*	Max WS	UF Tr30_D3_int	153.69	328.06	330.63		331.14	0.005738	3.16		0.17	48.62	36.30	0.85
Valle	48.218*	Max WS	UF Tr30_D6_int	163.45	328.06	330.69		331.22	0.005662	3.23	0.20	0.30	51.01	42.38	0.85
Valle	48.107*	Max WS	UF Tr30_D1_int	114.84	327.98	330.19		330.85	0.005801	3.02			37.99	28.82	0.84
Valle	48.107*	Max WS	UF Tr30_D3_int	153.80	327.98	330.52		331.04	0.005297	3.17	0.26	0.42	49.22	41.56	0.82
Valle	48.107*	Max WS	UF Tr30_D6_int	163.27	327.98	330.59		331.11	0.005202	3.23	0.35	0.58	51.77	41.83	0.82
Valle	47.996*	Max WS	UF Tr30_D1_int	115.08	327.91	330.08		330.55	0.005693	3.05			37.75	27.85	0.84
Valle	47.996*	Max WS	UF Tr30_D3_int	153.93	327.91	330.43	330.21	330.94	0.004969	3.16	0.29	0.66	50.23	44.00	0.80
Valle	47.996*	Max WS	UF Tr30_D6_int	163.28	327.91	330.49	330.30	331.01	0.004774	3.23	0.35	0.79	53.10	47.16	0.79
Valle	47.886*	Max WS	UF Tr30_D1_int	115.30	327.84	329.96		330.45	0.005734	3.09		0.11	37.30	27.87	0.84
Valle	47.886*	Max WS	UF Tr30_D3_int	153.40	327.84	330.33		330.84	0.004431	3.17	0.51	0.86	51.31	40.68	0.77
Valle	47.886*	Max WS	UF Tr30_D6_int	162.06	327.84	330.40		330.91	0.004311	3.20	0.53	0.96	54.02	41.26	0.76
Valle	47.775	Max WS	UF Tr30_D1_int	115.52	327.77	329.86	329.65	330.36	0.005342	3.16	0.12	0.28	37.12	38.43	0.82
Valle	47.775	Max WS	UF Tr30_D3_int	152.72	327.77	330.25	330.15	330.71	0.003732	3.09	0.64	1.00	59.28	70.82	0.71
Valle	47.775	Max WS	UF Tr30_D6_int	161.48	327.77	330.32	330.23	330.77	0.003555	3.09	0.71	1.07	64.32	73.74	0.70
Valle	47.664*	Max WS	UF Tr30_D1_int	115.72	327.63	329.76	329.51	330.24	0.004931	3.07	0.22	0.30	38.46	39.13	0.79
Valle	47.664*	Max WS	UF Tr30_D3_int	152.29	327.63	330.19	329.91	330.58	0.003151	2.89	0.66	0.98	64.59	74.47	0.66
Valle	47.664*	Max WS	UF Tr30_D6_int	161.01	327.63	330.26		330.64	0.002964	2.88	0.75	1.04	70.08	74.47	0.64
Valle	47.554*	Max WS	UF Tr30_D1_int	115.95	327.48	329.66	329.37	330.12	0.004334	2.98	0.30	0.38	40.15	39.86	0.75
Valle	47.554*	Max WS	UF Tr30_D3_int	151.34	327.48	330.13		330.47	0.002558	2.71	0.69	0.96	70.34	75.29	0.60
Valle	47.554*	Max WS	UF Tr30_D6_int	160.36	327.48	330.22		330.54	0.002356	2.67	0.77	1.01	76.95	75.29	0.58
Valle	47.443*	Max WS	UF Tr30_D1_int	116.14	327.34	329.59		330.00	0.003751	2.88	0.37	0.46	42.29	40.66	0.70
Valle	47.443*	Max WS	UF Tr30_D3_int	154.07	327.34	330.10		330.39	0.002097	2.56	0.73	0.95	77.82	76.11	0.55
Valle	47.443*	Max WS	UF Tr30_D6_int	163.30	327.34	330.19		330.47	0.001915	2.52	0.80	1.00	85.15	76.11	0.53
Valle	47.332*	Max WS	UF Tr30_D1_int	116.32	327.20	329.52		329.90	0.003204	2.77	0.43	0.54	44.90	41.50	0.65
Valle	47.332*	Max WS	UF Tr30_D3_int	154.28	327.20	330.09		330.32	0.001594	2.34	0.75	0.93	87.48	76.93	0.48
Valle	47.332*	Max WS	UF Tr30_D6_int	163.63	327.20	330.19		330.41	0.001458	2.30	0.80	0.96	95.29	76.93	0.46
Valle	47.222*	Max WS	UF Tr30_D1_int	116.08	327.05	329.46		329.81	0.002696	2.64	0.45	0.60	47.94	42.60	0.61
Valle	47.222*	Max WS	UF Tr30_D3_int	154.51	327.05	330.09		330.28	0.001211	2.14	0.75	0.89	98.03	77.76	0.43
Valle	47.222*	Max WS	UF Tr30_D6_int	163.											

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
Valle	47	Max WS	UF_Tr30_D6_int	161.44	326.56	330.09	328.74	330.34	0.001292	2.21			73.21	27.53	0.43
Valle	46.5		Bridge												
Valle	46	Max WS	UF_Tr30_D1_int	116.91	326.08	328.14		328.62	0.005169	3.07			38.02	25.38	0.80
Valle	46	Max WS	UF_Tr30_D3_int	154.87	326.08	328.42		329.01	0.005435	3.42			45.30	26.68	0.84
Valle	46	Max WS	UF_Tr30_D6_int	161.44	326.08	328.46		329.08	0.005471	3.47			46.51	26.90	0.84
Valle	45.99		Lat Struct												
Valle	45.857*	Max WS	UF_Tr30_D1_int	117.16	325.94	328.03		328.54	0.006258	3.17			36.91	27.44	0.87
Valle	45.857*	Max WS	UF_Tr30_D3_int	155.22	325.94	328.30		328.92	0.006281	3.47			44.74	29.13	0.89
Valle	45.857*	Max WS	UF_Tr30_D6_int	162.08	325.94	328.35	328.22	328.98	0.006300	3.52	0.07		46.07	33.08	0.90
Valle	45.714*	Max WS	UF_Tr30_D1_int	117.40	325.80	327.90		328.44	0.007401	3.28			35.82	28.79	0.94
Valle	45.714*	Max WS	UF_Tr30_D3_int	155.35	325.80	328.17	328.12	328.81	0.007177	3.52			44.16	31.17	0.94
Valle	45.714*	Max WS	UF_Tr30_D6_int	162.19	325.80	328.22	328.16	328.87	0.007155	3.56			45.58	31.56	0.95
Valle	45.571	Max WS	UF_Tr30_D1_int	117.63	325.66	327.75	327.69	328.32	0.007624	3.33			35.32	28.07	0.95
Valle	45.571	Max WS	UF_Tr30_D3_int	155.49	325.66	328.03	328.00	328.68	0.007819	3.56			43.69	32.10	0.97
Valle	45.571	Max WS	UF_Tr30_D6_int	162.34	325.66	328.08	328.05	328.73	0.007823	3.59			45.19	32.77	0.98
Valle	45.428*	Max WS	UF_Tr30_D1_int	117.88	325.52	327.61	327.55	328.13	0.007575	3.22			36.64	30.76	0.94
Valle	45.428*	Max WS	UF_Tr30_D3_int	155.61	325.52	327.88	327.83	328.47	0.007497	3.40			45.72	35.05	0.95
Valle	45.428*	Max WS	UF_Tr30_D6_int	162.39	325.52	327.93	327.88	328.53	0.007445	3.43			47.38	35.76	0.95
Valle	45.286*	Max WS	UF_Tr30_D1_int	118.09	325.37	327.46		327.96	0.007347	3.11			37.99	32.98	0.92
Valle	45.286*	Max WS	UF_Tr30_D3_int	155.74	325.37	327.74		328.28	0.007077	3.25			47.89	37.78	0.92
Valle	45.286*	Max WS	UF_Tr30_D6_int	162.39	325.37	327.79		328.33	0.006844	3.27			49.71	37.94	0.91
Valle	45.143*	Max WS	UF_Tr30_D1_int	118.31	325.23	327.32	327.25	327.78	0.007056	3.00	0.48		40.42	48.58	0.90
Valle	45.143*	Max WS	UF_Tr30_D3_int	155.61	325.23	327.62	327.58	328.05	0.005807	2.96	0.96		57.08	62.24	0.84
Valle	45.143*	Max WS	UF_Tr30_D6_int	161.77	325.23	327.67		328.09	0.005410	2.93	1.01		60.40	63.16	0.81
Valle	45.000	Max WS	UF_Tr30_D1_int	118.50	325.09	327.21	327.12	327.58	0.005041	2.77	0.94	0.48	48.15	60.37	0.78
Valle	45.000	Max WS	UF_Tr30_D3_int	155.06	325.09	327.53		327.85	0.003468	2.66	1.18	0.88	69.33	66.83	0.67
Valle	45.000	Max WS	UF_Tr30_D6_int	161.35	325.09	327.59		327.90	0.003230	2.63	1.21	0.93	73.26	67.00	0.65
Valle	44.857*	Max WS	UF_Tr30_D1_int	118.72	324.79	327.12		327.45	0.004027	2.55	0.38	0.48	47.36	41.44	0.70
Valle	44.857*	Max WS	UF_Tr30_D3_int	156.32	324.79	327.46		327.80	0.003068	2.59	0.54	0.74	66.00	64.62	0.64
Valle	44.857*	Max WS	UF_Tr30_D6_int	163.29	324.79	327.52		327.85	0.002945	2.60	0.59	0.78	69.76	67.12	0.63
Valle	44.714*	Max WS	UF_Tr30_D1_int	118.90	324.50	327.06		327.34	0.002620	2.56	1.26	0.96	56.90	48.15	0.60
Valle	44.714*	Max WS	UF_Tr30_D3_int	156.45	324.50	327.42		327.71	0.002146	2.61	1.42	1.02	75.64	54.39	0.56
Valle	44.714*	Max WS	UF_Tr30_D6_int	163.48	324.50	327.49		327.77	0.002075	2.61	1.45	1.03	79.21	55.47	0.55
Valle	44.571	Max WS	UF_Tr30_D1_int	119.13	324.20	327.08		327.26	0.001425	2.03	0.99	0.68	72.81	57.21	0.45
Valle	44.571	Max WS	UF_Tr30_D3_int	156.58	324.20	327.46		327.64	0.001203	2.09	1.13	0.78	95.46	62.42	0.42
Valle	44.571	Max WS	UF_Tr30_D6_int	163.54	324.20	327.52		327.70	0.001173	2.10	1.15	0.80	99.54	63.30	0.42
Valle	44.428*	Max WS	UF_Tr30_D1_int	119.37	324.12	327.05		327.23	0.001353	1.99	0.98	0.64	72.37	54.74	0.44
Valle	44.428*	Max WS	UF_Tr30_D3_int	156.70	324.12	327.43		327.61	0.001165	2.06	1.13	0.78	93.94	58.78	0.42
Valle	44.428*	Max WS	UF_Tr30_D6_int	163.60	324.12	327.50		327.68	0.001140	2.07	1.15	0.80	97.76	59.41	0.42
Valle	44.286*	Max WS	UF_Tr30_D1_int	119.60	324.05	327.05		327.20	0.001088	1.81	0.90	0.56	79.72	60.07	0.39
Valle	44.286*	Max WS	UF_Tr30_D3_int	156.82	324.05	327.44		327.59	0.000933	1.87	1.03	0.71	103.65	63.94	0.38
Valle	44.286*	Max WS	UF_Tr30_D6_int	163.67	324.05	327.50		327.65	0.000912	1.88	1.05	0.73	107.84	64.49	0.37
Valle	44.143*	Max WS	UF_Tr30_D1_int	119.86	323.98	327.05		327.17	0.000842	1.63	0.84	0.49	88.41	64.05	0.35
Valle	44.143*	Max WS	UF_Tr30_D3_int	156.95	323.98	327.44		327.56	0.000742	1.70	0.93	0.63	114.26	69.25	0.34
Valle	44.143*	Max WS	UF_Tr30_D6_int	163.74	323.98	327.51		327.63	0.000726	1.71	0.95	0.65	118.88	69.76	0.33
Valle	44	Max WS	UF_Tr30_D1_int	120.10	323.90	327.06		327.15	0.000645	1.47	0.77	0.42	98.45	68.80	0.31
Valle	44	Max WS	UF_Tr30_D3_int	157.07	323.90	327.45		327.55	0.000577	1.54	0.86	0.56	126.14	73.33	0.30
Valle	44	Max WS	UF_Tr30_D6_int	163.81	323.90	327.51		327.61	0.000567	1.55	0.88	0.58	131.03	73.92	0.30
Valle	43	Max WS	UF_Tr30_D1_int	120.17	323.83	326.95	326.29	327.17	0.002039	2.06			58.24	33.60	0.50
Valle	43	Max WS	UF_Tr30_D3_int	157.10	323.83	327.32	326.51	327.57	0.001896	2.22			70.63	34.19	0.49
Valle	43	Max WS	UF_Tr30_D6_int	163.83	323.83	327.38	326.55	327.64	0.001876	2.25			72.78	34.29	0.49
Valle	42.5		Bridge												
Valle	42	Max WS	UF_Tr30_D1_int	120.17	323.83	326.74		327.02	0.003077	2.35			51.19	33.34	0.60
Valle	42	Max WS	UF_Tr30_D3_int	157.10	323.83	327.09		327.41	0.002751	2.50			62.75	33.79	0.59
Valle	42	Max WS	UF_Tr30_D6_int	163.83	323.83	327.15		327.47	0.002712	2.53			64.73	33.89	0.58
Valle	41	Max WS	UF_Tr30_D1_int	120.19	323.83	326.73	326.29	327.02	0.003134	2.36			50.91	33.33	0.61
Valle	41	Max WS	UF_Tr30_D3_int	157.12	323.83	327.08	326.51	327.40	0.002786	2.51			62.50	33.77	0.59
Valle	41	Max WS	UF_Tr30_D6_int	163.83	323.83	327.14	326.55	327.47	0.002745	2.54			64.48	33.88	0.59
Valle	40.5		Bridge												
Valle	40	Max WS	UF_Tr30_D1_int	120.19	323.83	326.04	326.29	326.97	0.020769	4.26			28.20	32.08	1.45
Valle	40	Max WS	UF_Tr30_D3_int	157.12	323.83	326.29	326.52	327.25	0.015844	4.32			36.33	32.79	1.31
Valle	40	Max WS	UF_Tr30_D6_int	163.83	323.83	326.33	326.55	327.30	0.015642	4.38			37.44	32.83	1.31
Valle	39.9		Lat Struct												
Valle	38.607*	Max WS	UF_Tr30_D1_int	120.44	323.60	325.79	325.96	326.58	0.015431	3.94			30.54	31.52	1.28
Valle	38.607*	Max WS	UF_Tr30_D3_int	157.24	323.60	326.01	326.19	326.90	0.013619	4.20			37.46	31.83	1.24
Valle	38.607*	Max WS	UF_Tr30_D6_int	163.90	323.60	326.05	326.23	326.96	0.013322	4.24			38.70	31.89	1.23
Valle	37.214*	Max WS	UF_Tr30_D1_int	120.69	323.37	325.54	325.64	326.24	0.012043	3.72			32.45	30.58	1.15
Valle	37.214*	Max WS	UF_Tr30_D3_int	157.36	323.37	325.76	325.87	326.58	0.010974	3.99			39.43	30.97	1.13
Valle	37.214*	Max WS	UF_Tr30_D6_int	163.97	323.37	325.81	325.91	326.63	0.010630	4.01			40.86	31.04	1.12
Valle	35.822*	Max WS	UF_Tr30_D1_int	120.93	323.14	325.33	325.35	325.94	0.008929	3.45			35.09	29.75	1.01
Valle	35.822*	Max WS	UF_Tr30_D3_int	157.49	323.14	325.57	325.59	326.28	0.008401	3.73			42.27	30.27	1.01
Valle	35.822*	Max WS	UF_Tr30_D6_int	164.04	323.14	325.63	325.62	326.34	0.008109	3.74			43.87	30.38	0.99
Valle	34.429*	Max WS	UF_Tr30_D1_int	121.17	322.91	325.16		325.89	0.006389	3.15			38.52	29.19	0.87
Valle	34.429*	Max WS	UF_Tr30_D3_int	157.62	322.91	325.43		326.03	0.006345	3.44			45.76	29.99	0.89
Valle	34.429*	Max WS	UF_Tr30_D6_int	164.11	322.91	325.49		326.09	0.006145	3.46			47.49	30.18	0.88
Valle	33.036*	Max WS	UF_Tr30_D1_int	121.42	322.68	325.07		325.49	0.004681	2.86			42.47	29.33	0.76
Valle	33.036*	Max WS	UF_Tr30_D3_int	157.74	322.68	325.32		325.83	0.004820	3.17			49.69	29.73	0.78
Valle	33.036*	Max WS	UF_Tr30_D6_int	164.18	322.68	325.38		325.90	0.004669	3.19			51.48	29.79	0.77
Valle	31.643	Max WS	UF_Tr30_D1_int	121.66	322.45	325.01		325.34	0.003656	2.56			47.57	31.77	0.67
Valle	31.643	Max WS	UF_Tr30_D3_int	157.87	322.45	325.23		325.65	0.004166	2.88			54.81	33.70	0.72
Valle	31.643	Max WS	UF_Tr30_D6_int	164.24	322.45	325.29									

HEC-RAS 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Valle	30.250	Max WS	UF Tr30_D6_int	164.31	322.79	325.20		325.74	0.005699	3.27	0.10		50.31	37.50	0.85
Valle	28.857	Max WS	UF Tr30_D1_int	122.15	321.88	324.82		325.29	0.005224	3.03		0.66	40.56	28.70	0.79
Valle	28.857	Max WS	UF Tr30_D3_int	158.13	321.88	325.02		325.62	0.005963	3.46		0.87	46.46	31.56	0.86
Valle	28.857	Max WS	UF Tr30_D6_int	164.37	321.88	325.09		325.69	0.005873	3.43		0.92	48.82	33.66	0.85
Valle	27.464*	Max WS	UF Tr30_D1_int	122.39	321.87	324.72		325.21	0.005321	3.13		0.54	39.31	27.39	0.81
Valle	27.464*	Max WS	UF Tr30_D3_int	158.25	321.87	324.89	324.77	325.55	0.006653	3.62		0.78	44.39	31.60	0.91
Valle	27.464*	Max WS	UF Tr30_D6_int	164.45	321.87	324.97	324.82	325.61	0.006371	3.57	0.26	0.84	47.81	55.18	0.89
Valle	26.072*	Max WS	UF Tr30_D1_int	122.64	321.86	324.61		325.14	0.005519	3.24		0.37	37.94	26.02	0.83
Valle	26.072*	Max WS	UF Tr30_D3_int	158.37	321.86	324.75	324.72	325.49	0.007336	3.82	0.12	0.63	42.03	35.83	0.96
Valle	26.072*	Max WS	UF Tr30_D6_int	164.51	321.86	324.84	325.02	325.55	0.006666	3.73	0.37	0.68	45.97	49.89	0.92
Valle	24.679*	Max WS	UF Tr30_D1_int	122.88	321.84	324.50		325.08	0.005835	3.38		0.12	36.37	25.35	0.86
Valle	24.679*	Max WS	UF Tr30_D3_int	144.97	321.84	324.61	324.51	325.31	0.006756	3.72	0.19	0.37	39.92	44.17	0.93
Valle	24.679*	Max WS	UF Tr30_D6_int	164.56	321.84	324.72	324.94	325.48	0.006964	3.90	0.49	0.64	45.77	61.49	0.95
Valle	23.286	Max WS	UF Tr30_D1_int	123.13	321.83	324.38		325.03	0.006266	3.56		0.10	34.57	21.39	0.89
Valle	23.286	Max WS	UF Tr30_D3_int	142.78	321.83	324.48	324.44	325.25	0.007146	3.89	0.33	0.36	37.15	31.67	0.96
Valle	23.286	Max WS	UF Tr30_D6_int	164.62	321.83	324.57	324.85	325.47	0.007840	4.22	0.58	0.39	40.87	45.64	1.01
Valle	21.893*	Max WS	UF Tr30_D1_int	123.37	321.67	324.27		324.88	0.005787	3.48		0.19	35.51	21.84	0.86
Valle	21.893*	Max WS	UF Tr30_D3_int	142.79	321.67	324.35	324.26	325.10	0.006754	3.84	0.07	0.38	37.32	23.19	0.93
Valle	21.893*	Max WS	UF Tr30_D6_int	164.60	321.67	324.42	324.71	325.28	0.007433	4.14	0.30	0.77	43.26	46.49	0.99
Valle	20.500*	Max WS	UF Tr30_D1_int	123.61	321.50	324.16	323.88	324.73	0.005152	3.35		0.49	38.24	34.51	0.81
Valle	20.500*	Max WS	UF Tr30_D3_int	139.53	321.50	324.22	324.12	324.89	0.005801	3.63	0.19	0.56	40.58	41.12	0.87
Valle	20.500*	Max WS	UF Tr30_D6_int	164.48	321.50	324.28	324.54	325.13	0.007185	4.12	0.33	0.74	42.96	43.61	0.97
Valle	19.107*	Max WS	UF Tr30_D1_int	123.85	321.34	324.07		324.61	0.004540	3.24	0.18	0.32	38.35	23.27	0.77
Valle	19.107*	Max WS	UF Tr30_D3_int	139.36	321.34	324.12	323.89	324.74	0.005154	3.51	0.29	0.56	42.03	40.65	0.82
Valle	19.107*	Max WS	UF Tr30_D6_int	164.33	321.34	324.14	324.27	324.98	0.006825	4.08	0.37	0.71	43.01	40.76	0.95
Valle	17.715*	Max WS	UF Tr30_D1_int	124.02	321.18	323.99		324.47	0.003796	3.07	0.29	0.50	42.55	37.85	0.71
Valle	17.715*	Max WS	UF Tr30_D3_int	135.04	321.18	324.03	323.66	324.56	0.004182	3.27	0.35	0.61	43.98	38.02	0.75
Valle	17.715*	Max WS	UF Tr30_D6_int	164.03	321.18	324.01	324.08	324.82	0.006336	4.00	0.41	0.71	43.46	37.96	0.92
Valle	16.322*	Max WS	UF Tr30_D1_int	123.57	321.01	323.92		324.34	0.003125	2.90	0.36	0.58	45.22	35.30	0.65
Valle	16.322*	Max WS	UF Tr30_D3_int	133.07	321.01	323.95		324.42	0.003422	3.06	0.40	0.66	46.33	35.45	0.68
Valle	16.322*	Max WS	UF Tr30_D6_int	163.37	321.01	323.90	323.87	324.66	0.005730	3.89	0.45	0.72	44.30	35.19	0.88
Valle	14.929*	Max WS	UF Tr30_D1_int	121.87	320.85	323.87		324.24	0.002465	2.69	0.40	0.64	48.21	32.82	0.58
Valle	14.929*	Max WS	UF Tr30_D3_int	130.46	320.85	323.89		324.30	0.002734	2.84	0.44	0.70	48.84	32.90	0.61
Valle	14.929*	Max WS	UF Tr30_D6_int	161.95	320.85	323.79	323.62	324.49	0.005023	3.74	0.49	0.75	45.50	32.47	0.82
Valle	13.536*	Max WS	UF Tr30_D1_int	117.95	320.68	323.88		324.16	0.001737	2.38	0.43	0.68	53.45	33.15	0.49
Valle	13.536*	Max WS	UF Tr30_D3_int	118.28	320.68	323.87		324.15	0.001768	2.40	0.43	0.68	53.20	33.10	0.50
Valle	13.536*	Max WS	UF Tr30_D6_int	160.87	320.68	323.70		324.34	0.004306	3.56	0.52	0.78	47.69	32.42	0.77
Valle	12.143	Max WS	UF Tr30_D1_int	110.70	320.52	323.88		324.08	0.001145	2.04	0.38	0.64	64.16	62.43	0.40
Valle	12.143	Max WS	UF Tr30_D3_int	110.84	320.52	323.87		324.07	0.001172	2.05	0.37	0.64	63.42	62.30	0.41
Valle	12.143	Max WS	UF Tr30_D6_int	163.53	320.52	323.62		324.23	0.003878	3.49	0.57	0.82	48.56	27.12	0.73
Valle	10.750*	Max WS	UF Tr30_D1_int	98.32	320.33	323.94		324.07	0.000640	1.64	0.32	0.63	67.26	41.54	0.31
Valle	10.750*	Max WS	UF Tr30_D3_int	98.50	320.33	323.92		324.06	0.000654	1.66	0.32	0.64	66.68	41.20	0.31
Valle	10.750*	Max WS	UF Tr30_D6_int	59.54	320.33	323.61		323.68	0.000368	1.15	0.20	0.37	55.11	32.61	0.23
Valle	9.357*	Max WS	UF Tr30_D1_int	78.47	320.13	324.02		324.08	0.000279	1.17	0.28	0.51	75.80	35.87	0.21
Valle	9.357*	Max WS	UF Tr30_D3_int	78.89	320.13	324.00		324.07	0.000287	1.18	0.28	0.52	75.25	35.72	0.21
Valle	9.357*	Max WS	UF Tr30_D6_int	49.41	320.13	323.65		323.69	0.000175	0.86	0.17	0.33	63.36	31.94	0.16
Valle	7.964	Max WS	UF Tr30_D1_int	46.20	319.94	324.09		324.11	0.000070	0.62	0.17	0.30	83.77	32.32	0.11
Valle	7.964	Max WS	UF Tr30_D3_int	48.73	319.94	324.08		324.10	0.000079	0.66	0.18	0.31	83.28	32.25	0.11
Valle	7.964	Max WS	UF Tr30_D6_int	30.09	319.94	323.69		323.70	0.000046	0.47	0.12	0.21	71.25	30.27	0.08
Valle	6.5712*	Max WS	UF Tr30_D1_int	-2.02	319.75	324.12		324.12	0.000000	-0.02	-0.01	-0.01	113.04	40.05	0.00
Valle	6.5712*	Max WS	UF Tr30_D3_int	1.64	319.75	324.11		324.11	0.000000	0.02	0.01	0.01	112.55	40.05	0.00
Valle	6.5712*	Max WS	UF Tr30_D6_int	-1.82	319.75	323.71		323.71	0.000000	-0.02	-0.01	-0.01	96.73	40.05	0.00
Valle	5.1784	Max WS	UF Tr30_D1_int	63.40	319.57	323.49	320.61	323.51	0.000067	0.65	0.25	0.33	112.58	37.53	0.11
Valle	5.1784	Max WS	UF Tr30_D3_int	69.00	319.57	323.49	320.68	323.51	0.000079	0.70	0.27	0.36	112.58	37.53	0.12
Valle	5.1784	Max WS	UF Tr30_D6_int	212.46	319.57	323.49	321.81	323.71	0.000747	2.17	0.84	1.12	112.58	37.53	0.36



ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

AV5449

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

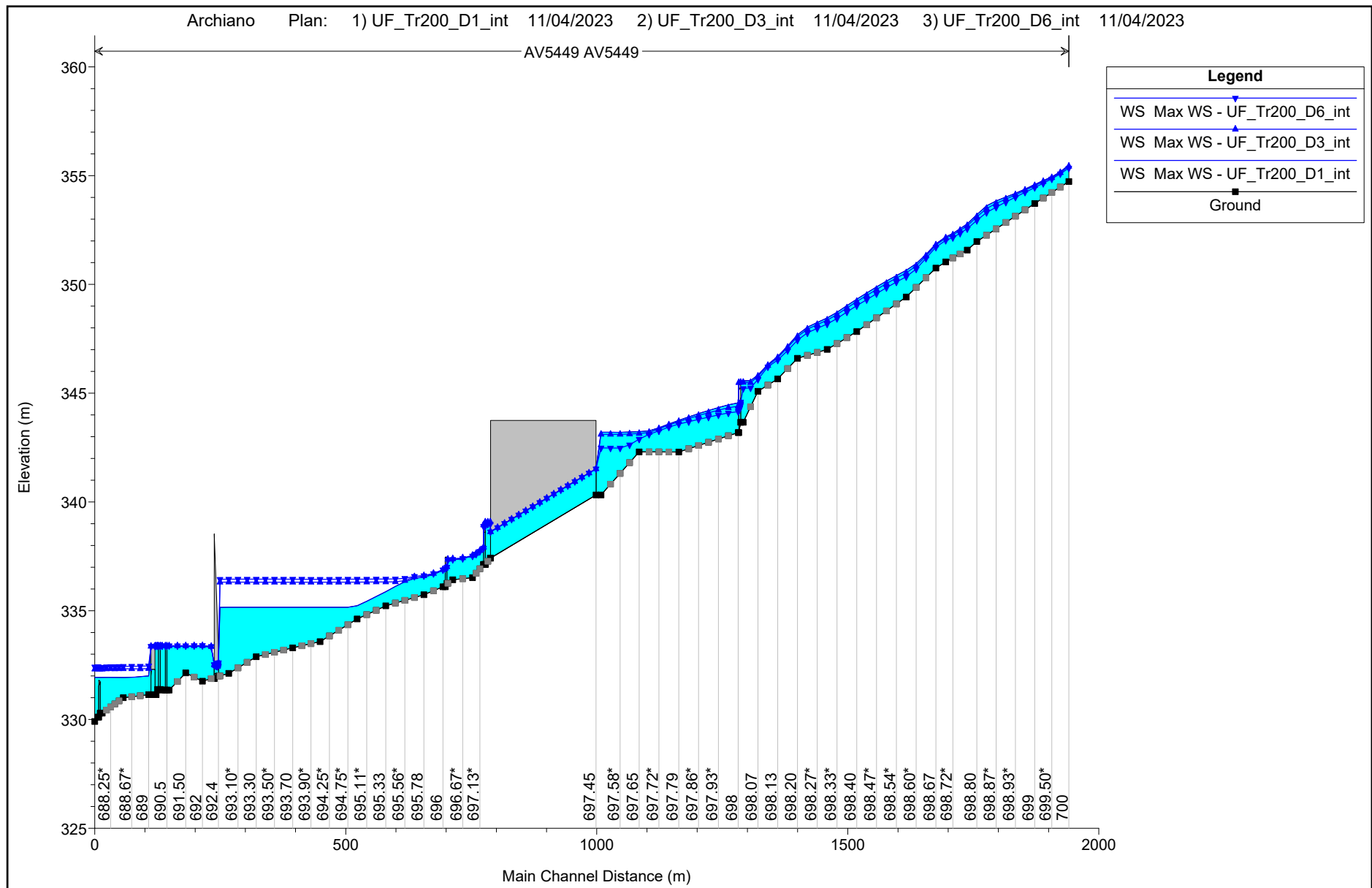
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

AV5449

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





ALLEGATI

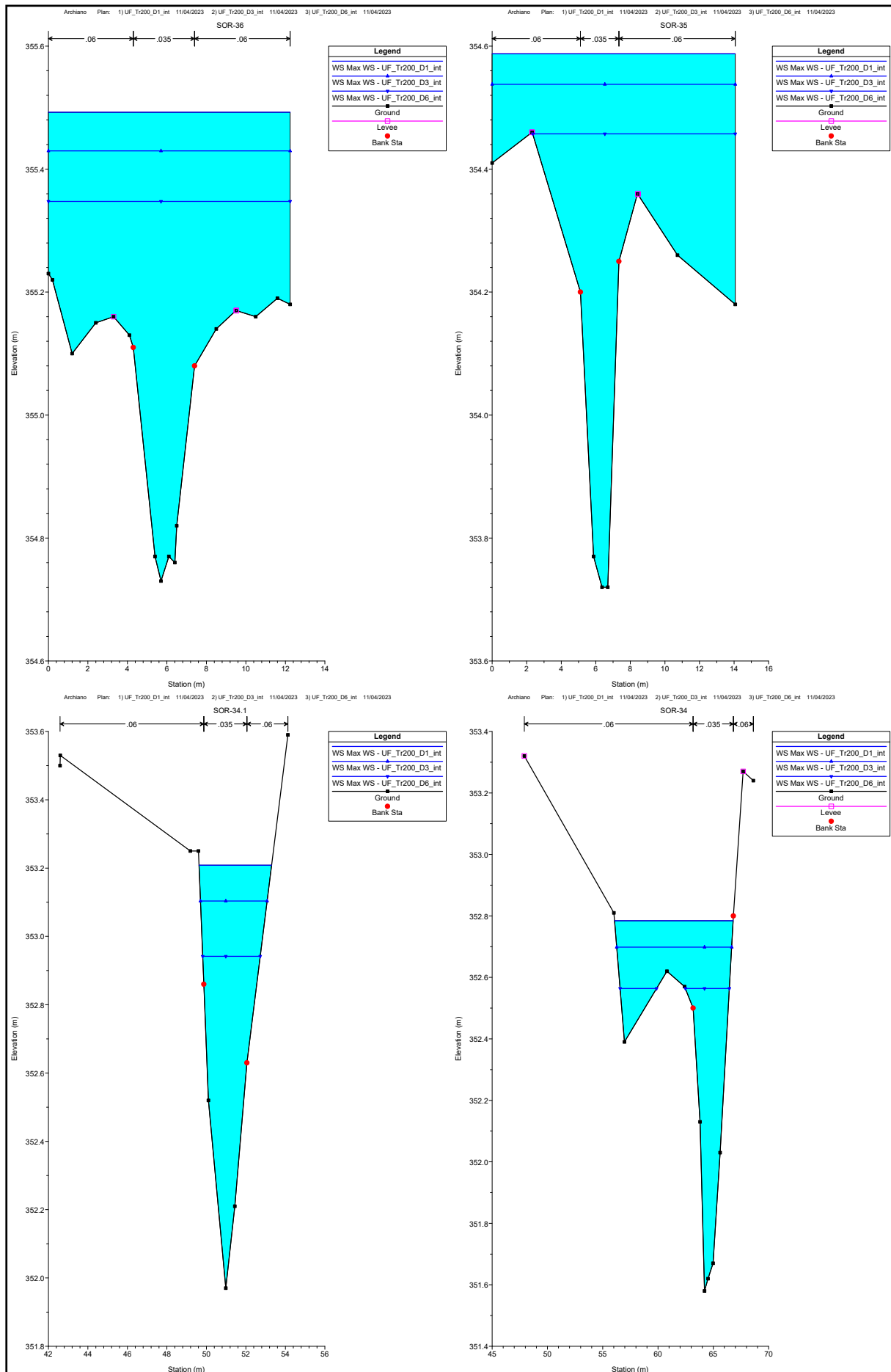
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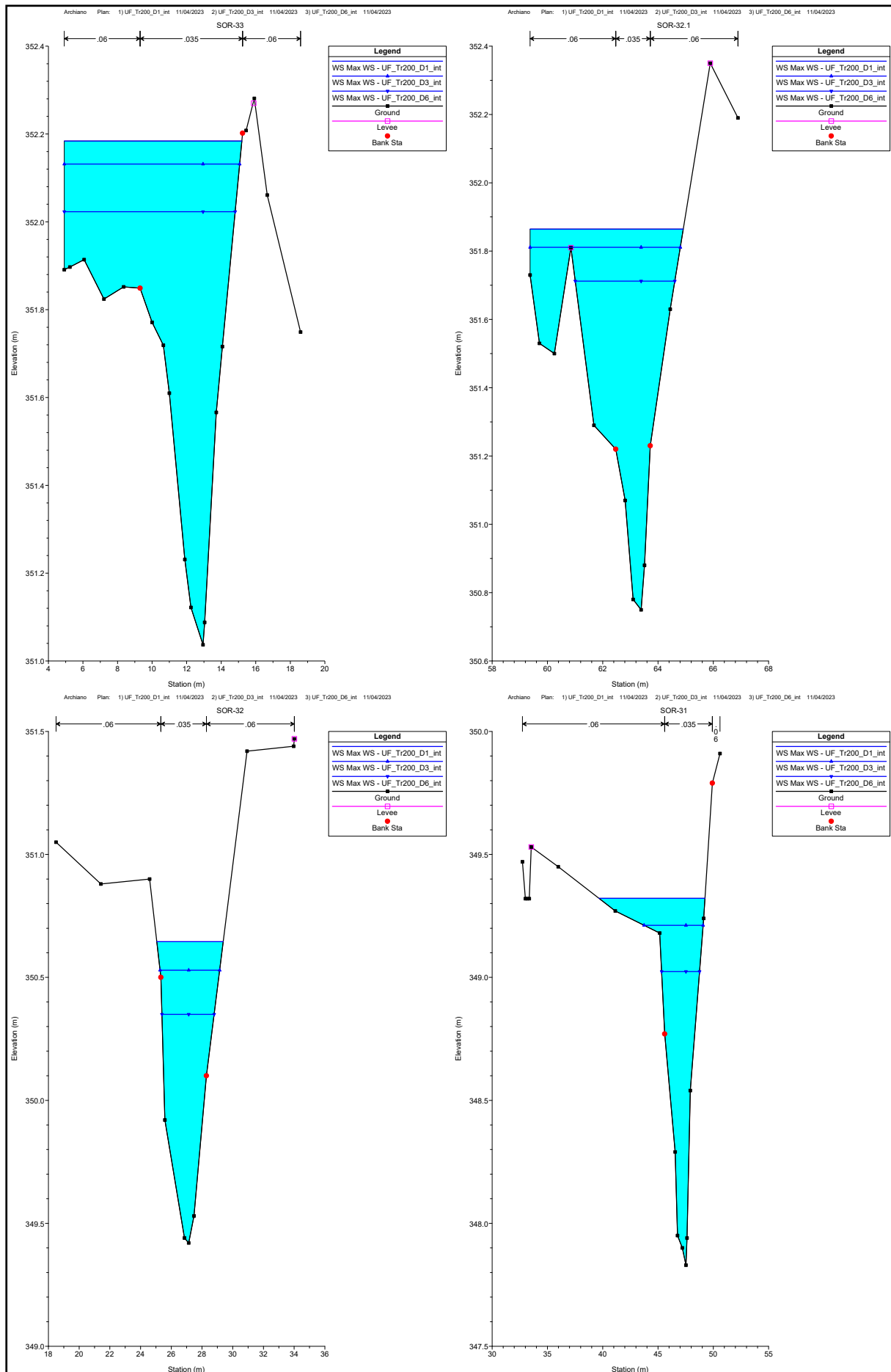
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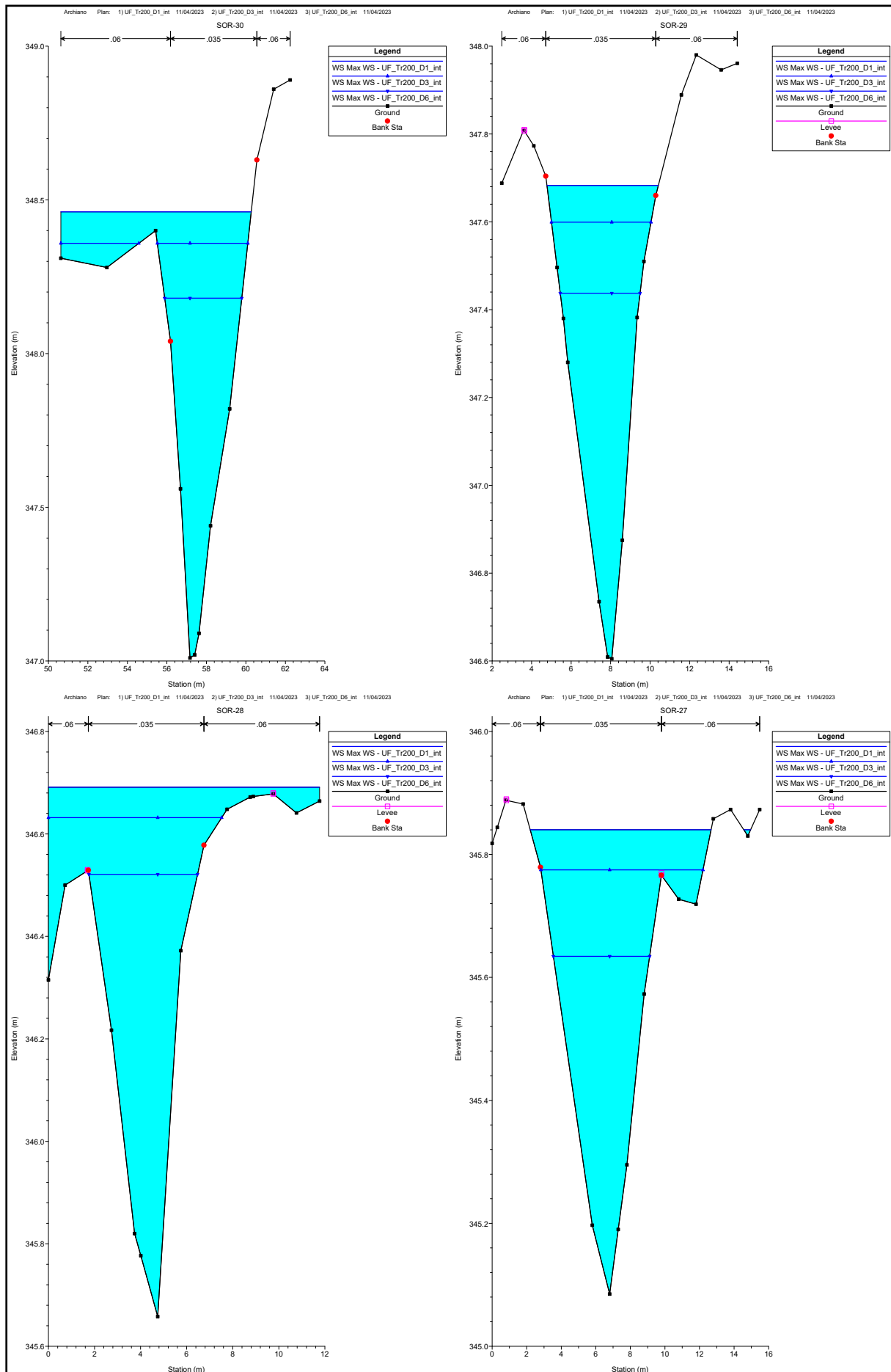
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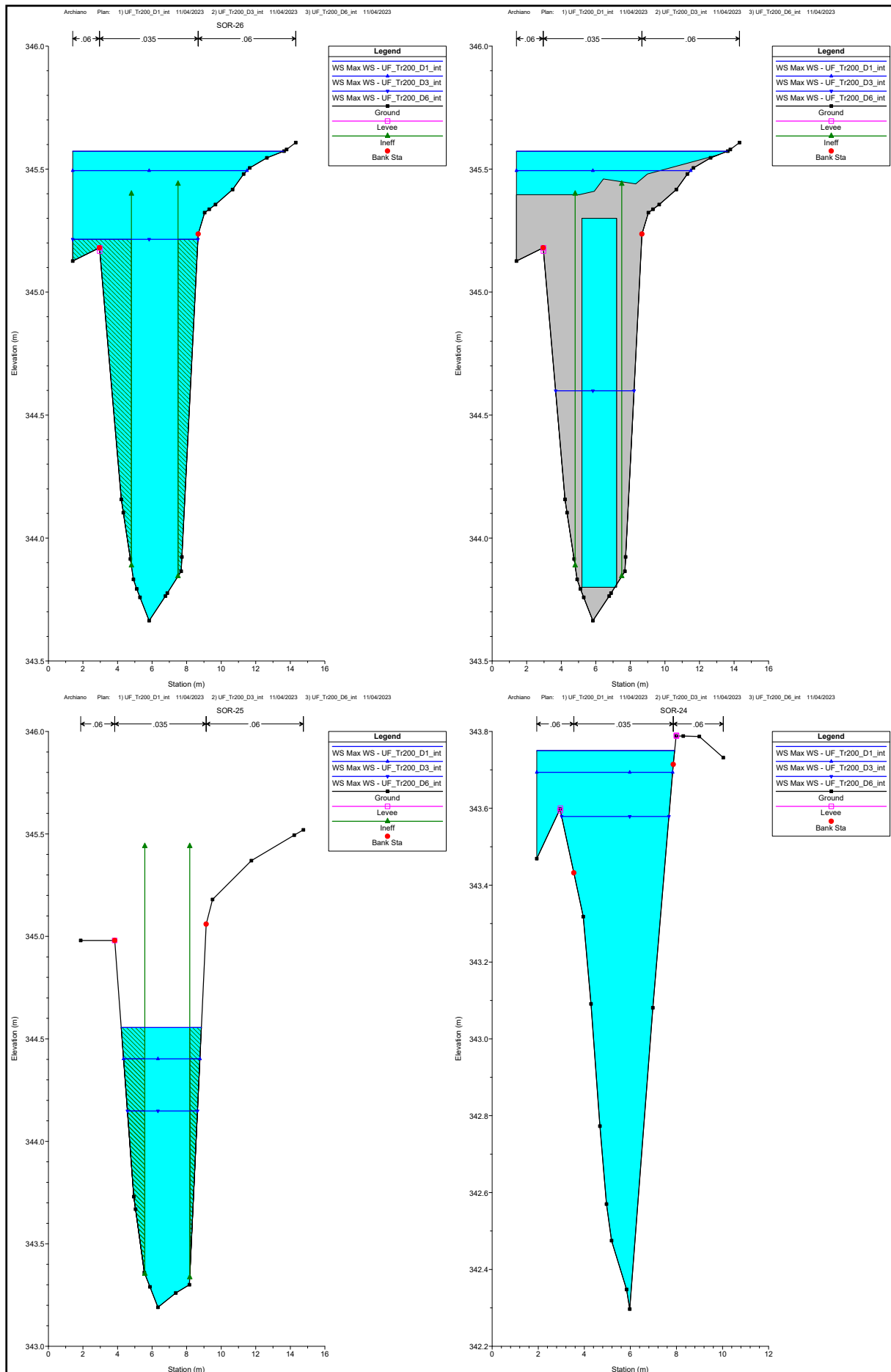
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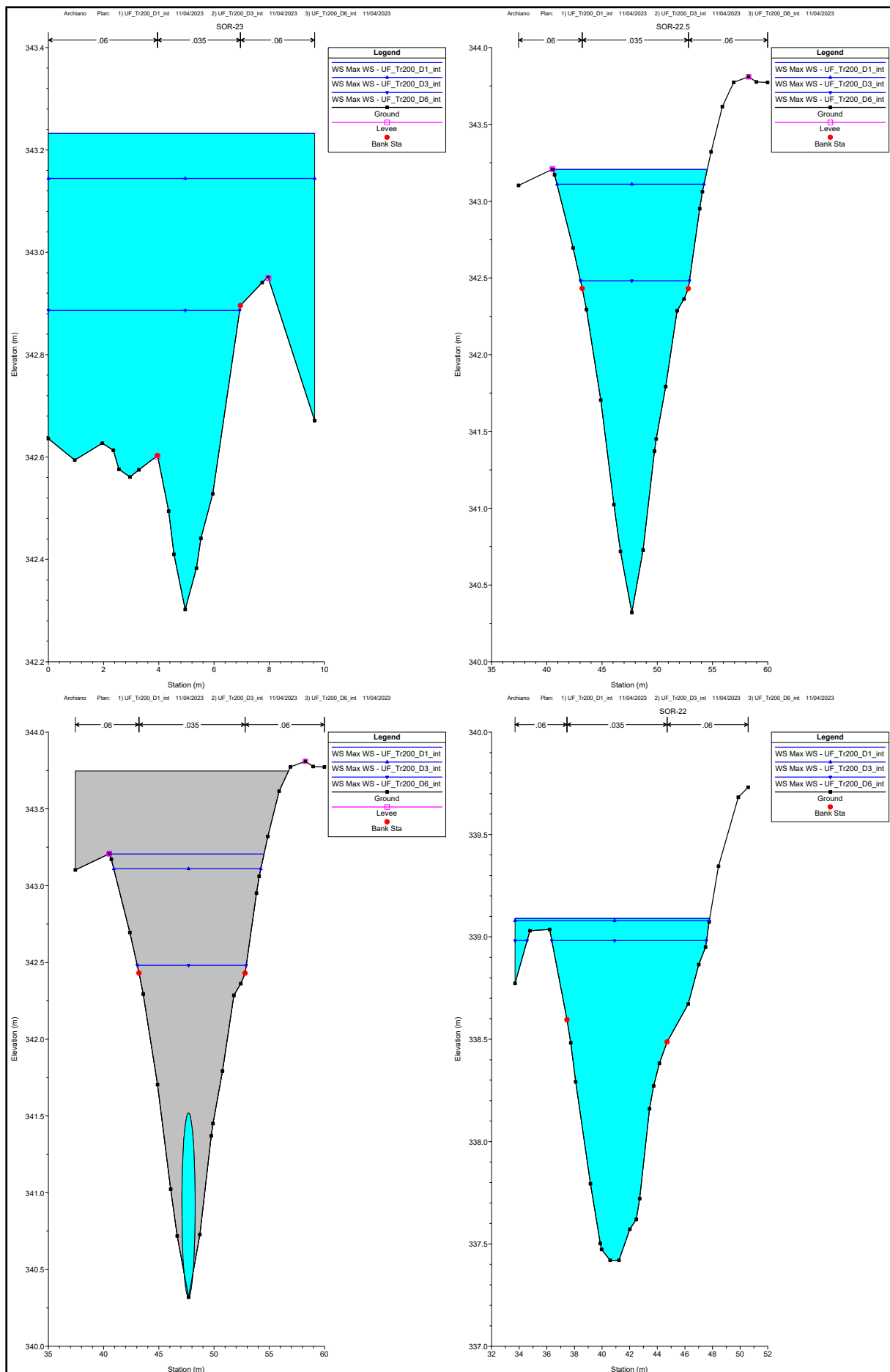
Sezioni Trasversali (da monte verso valle)

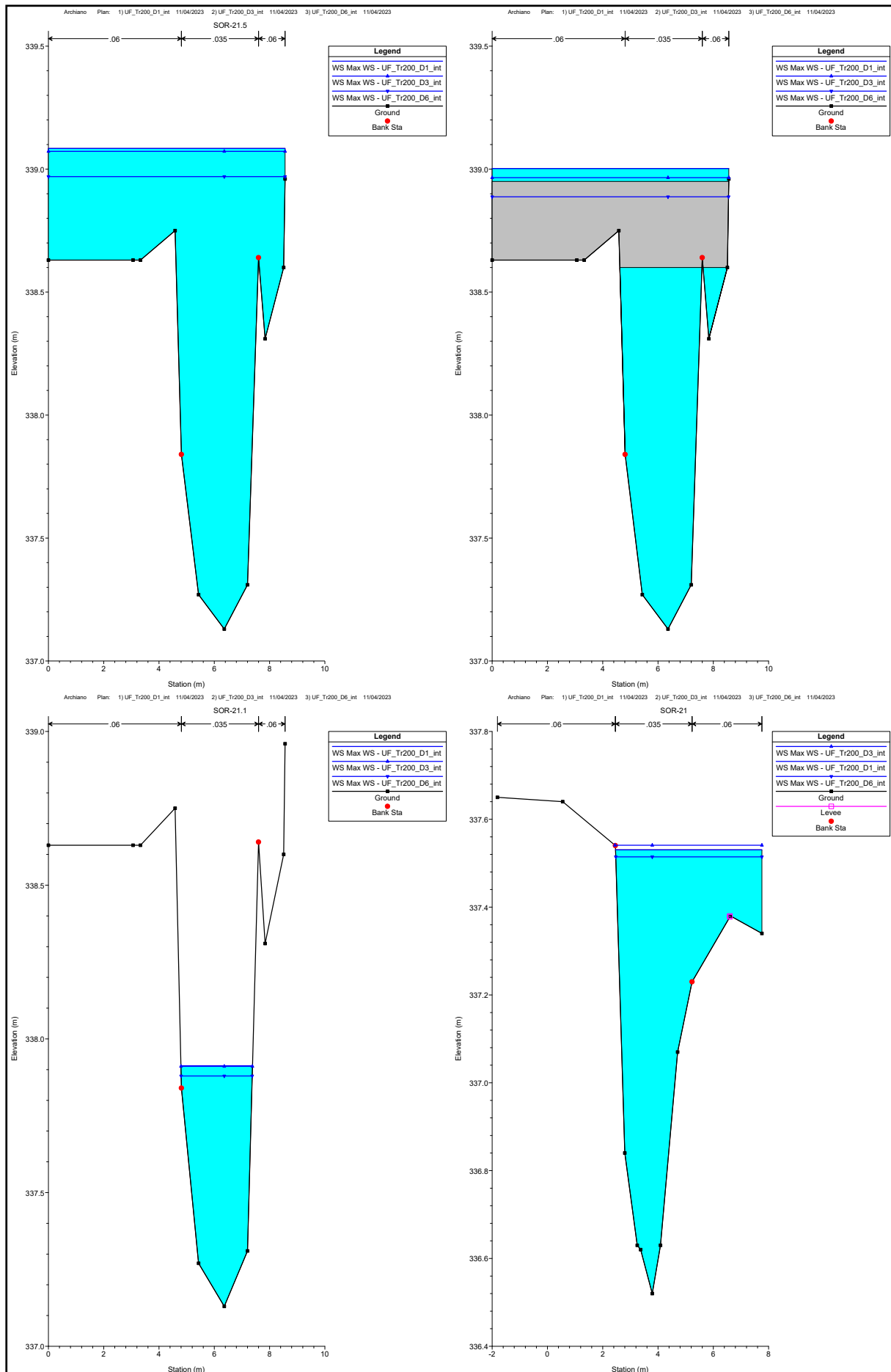


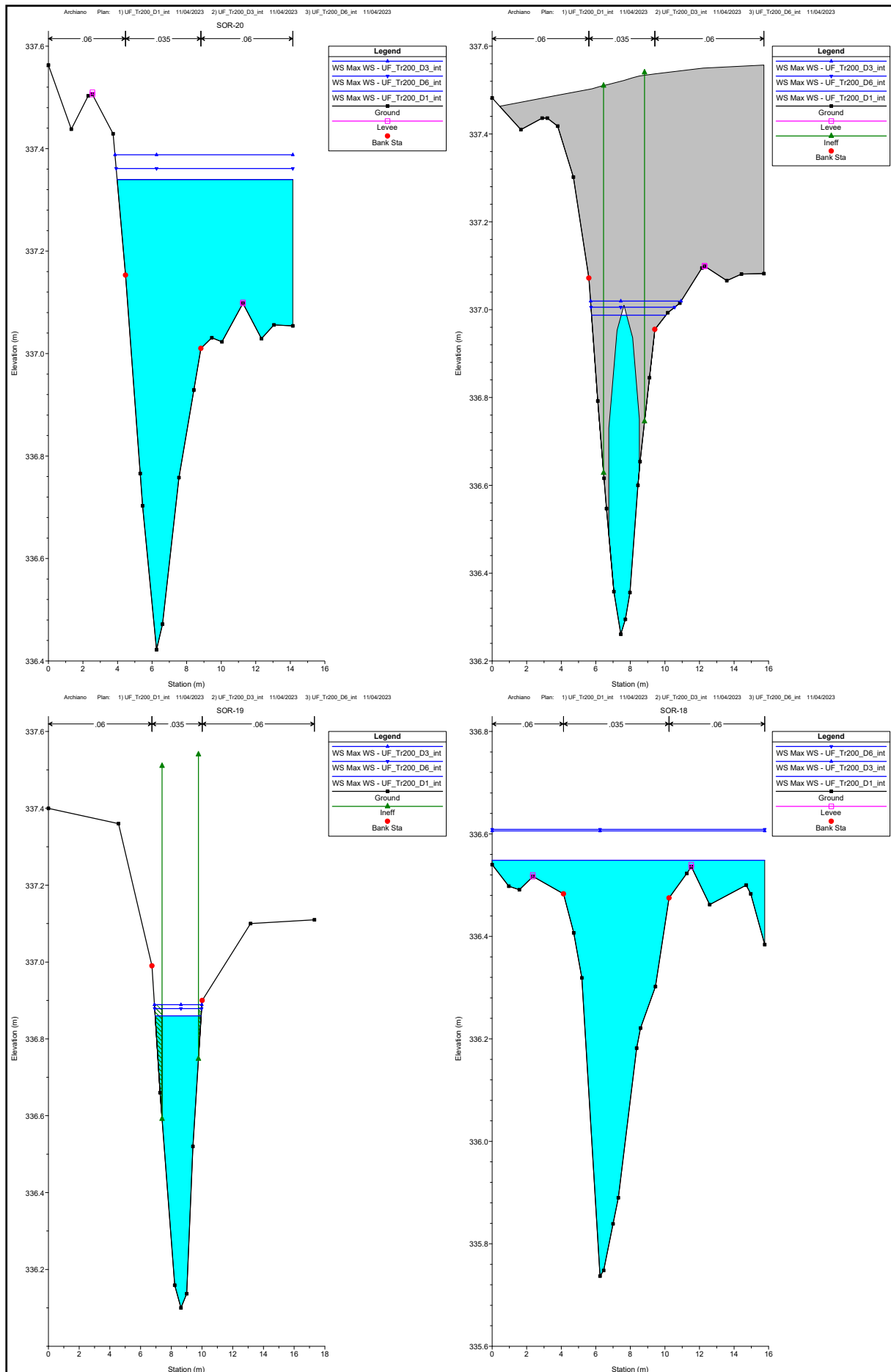


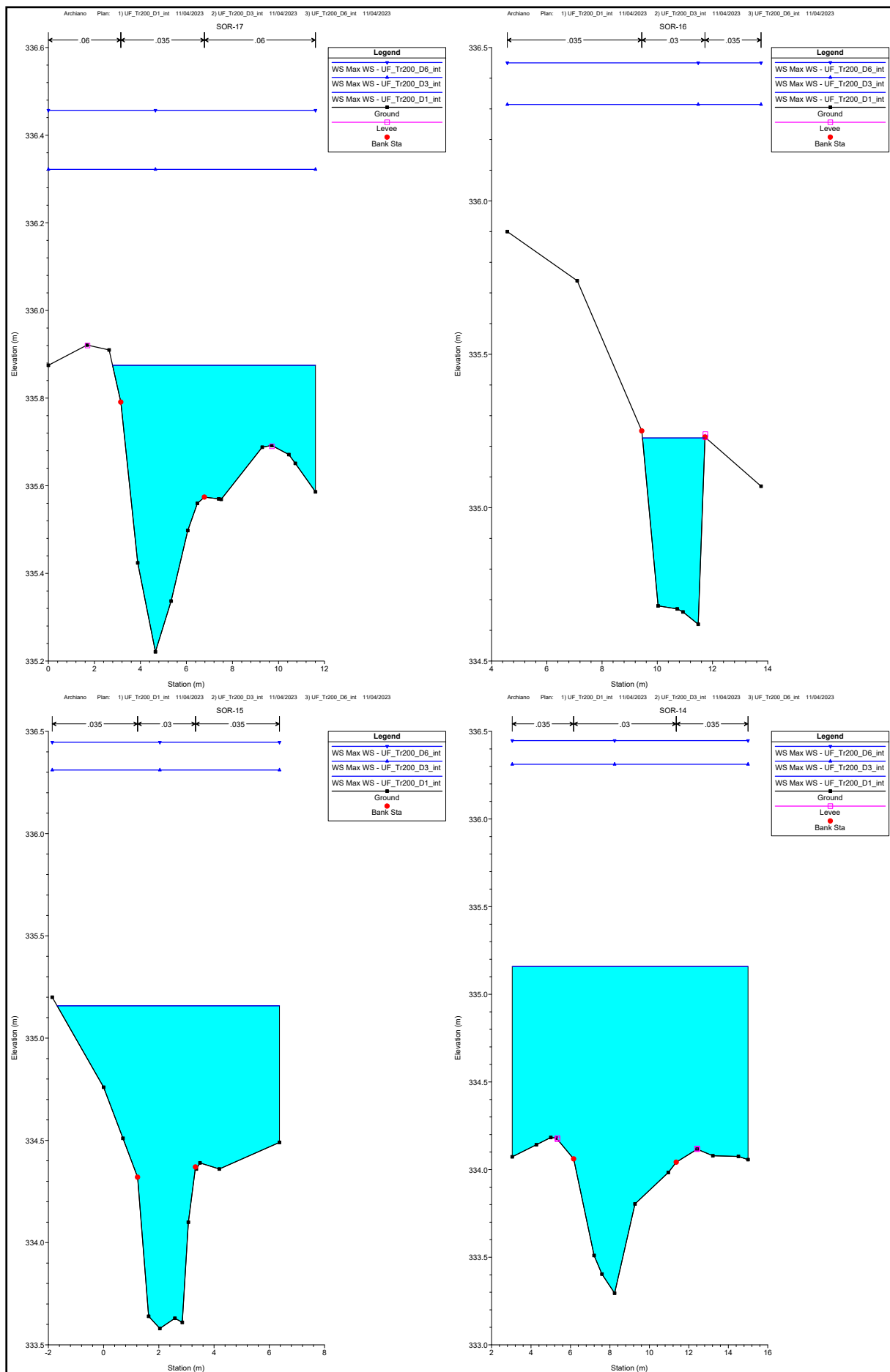


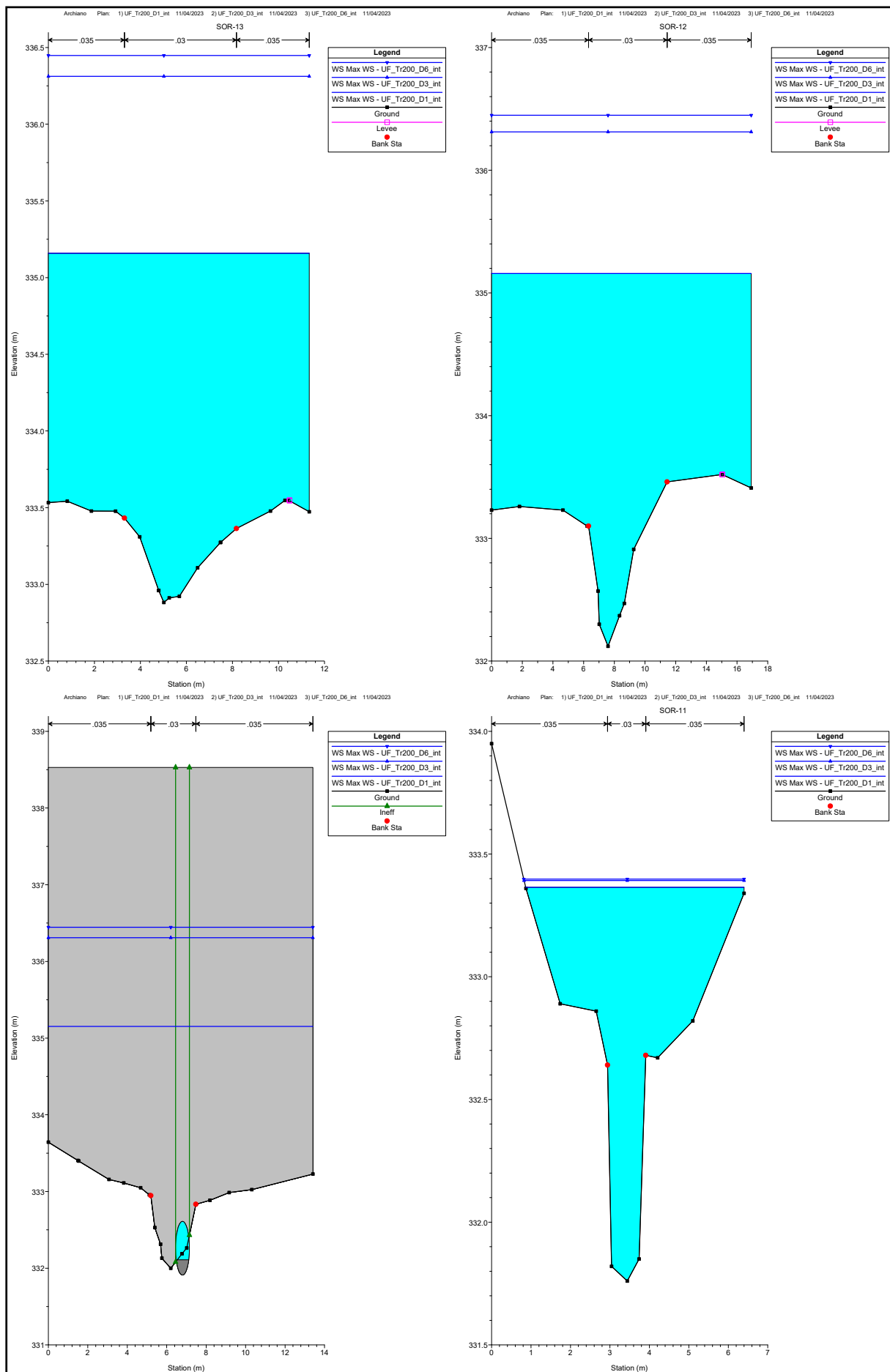


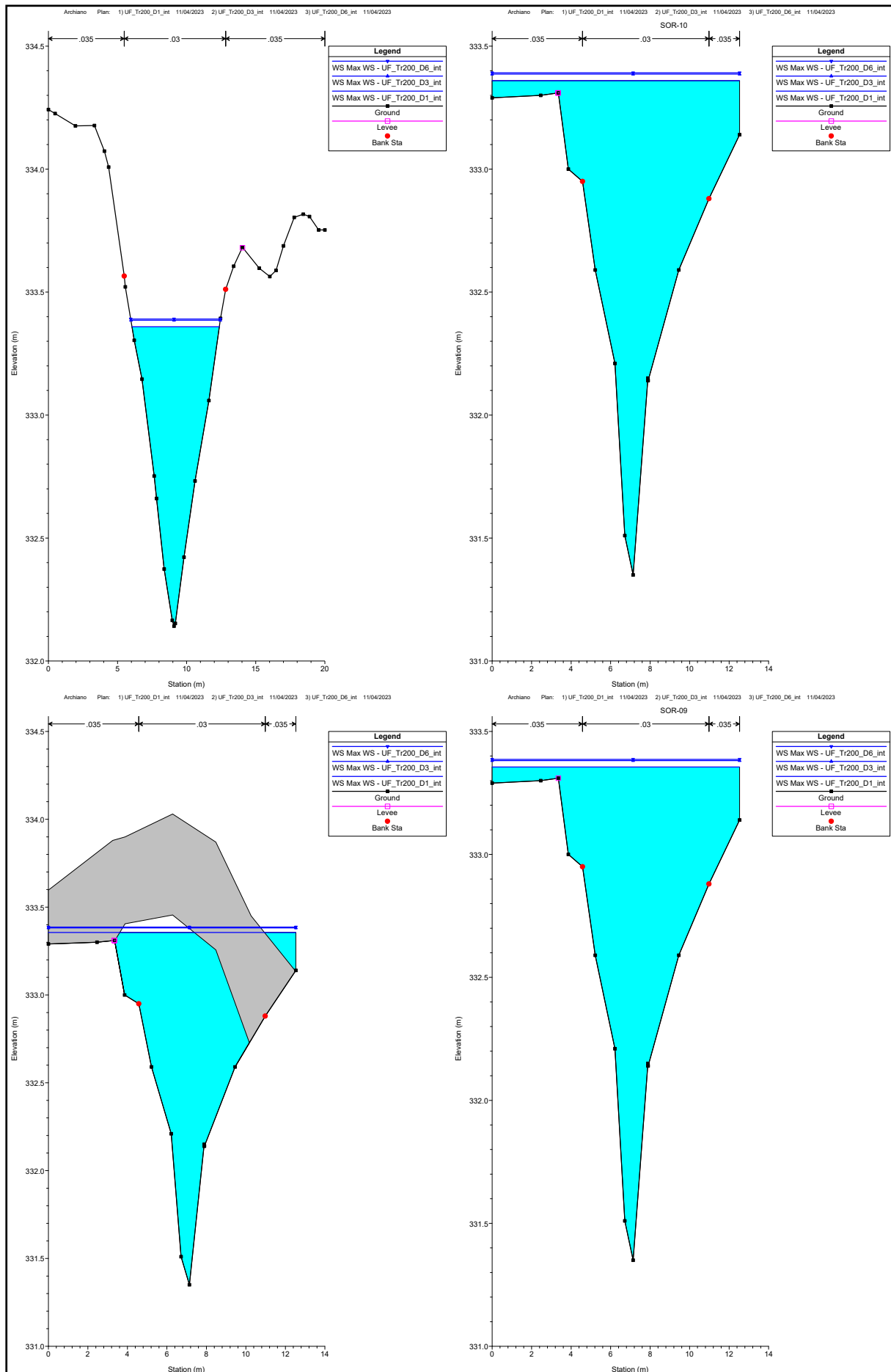


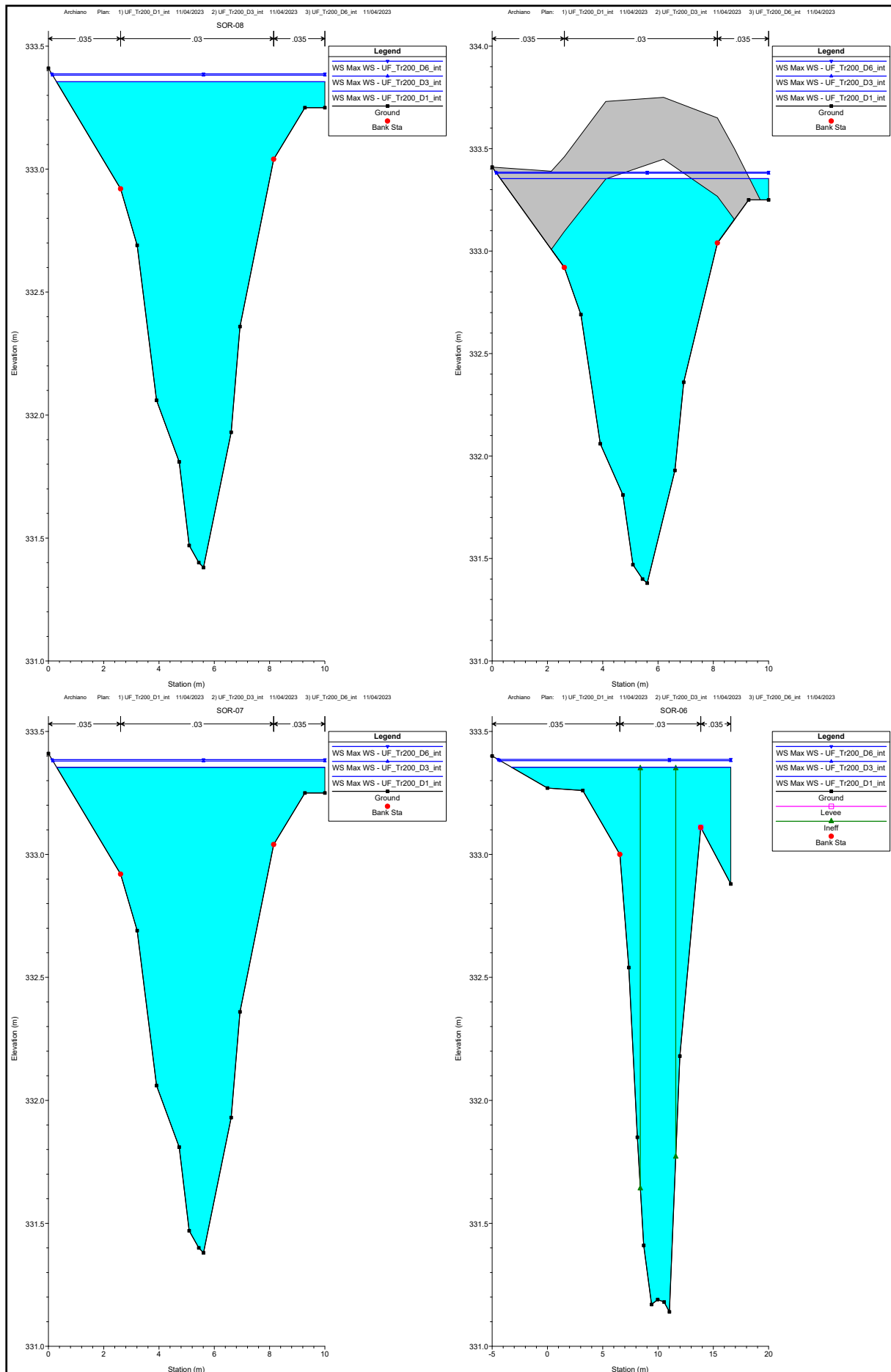


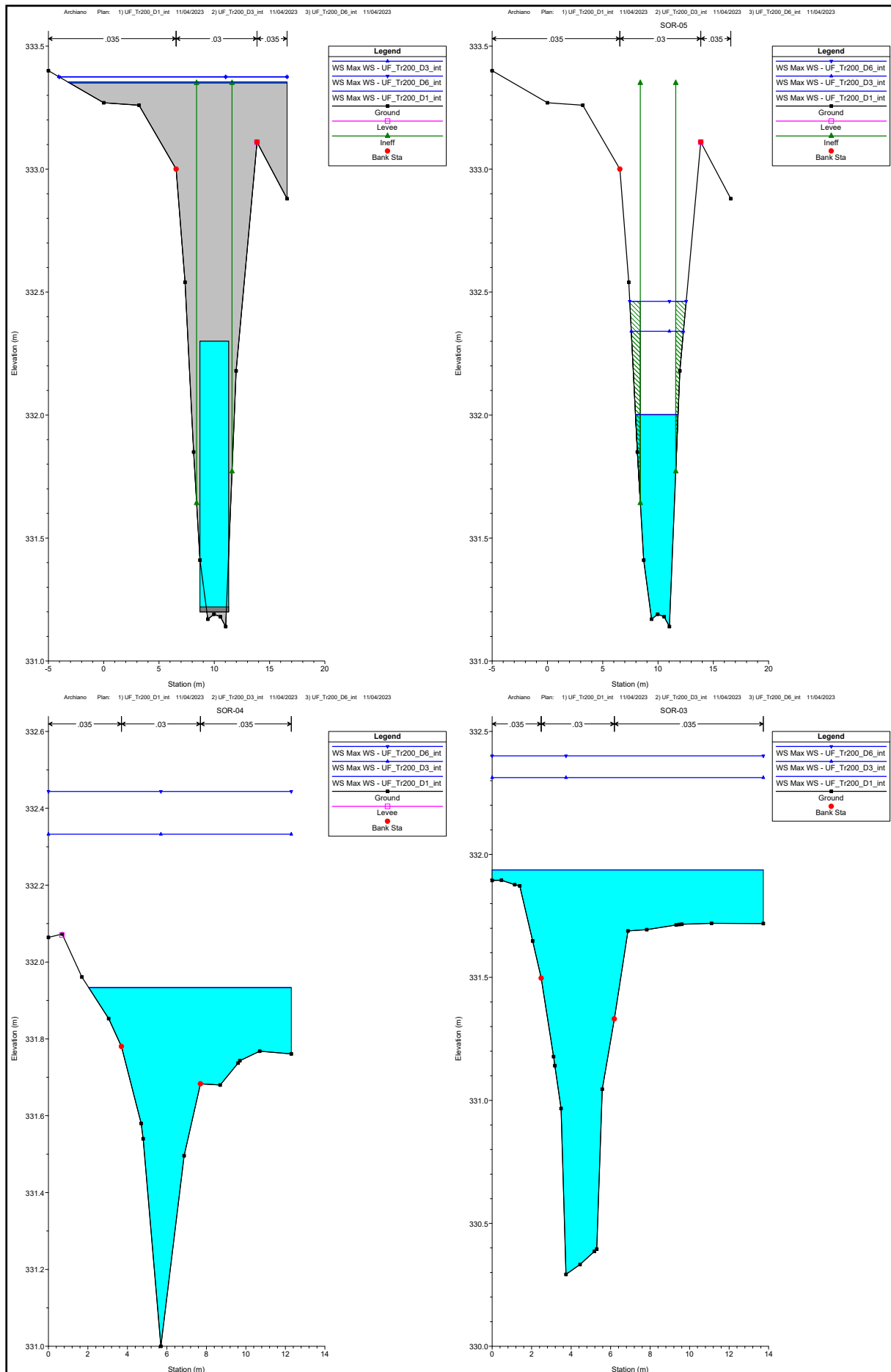


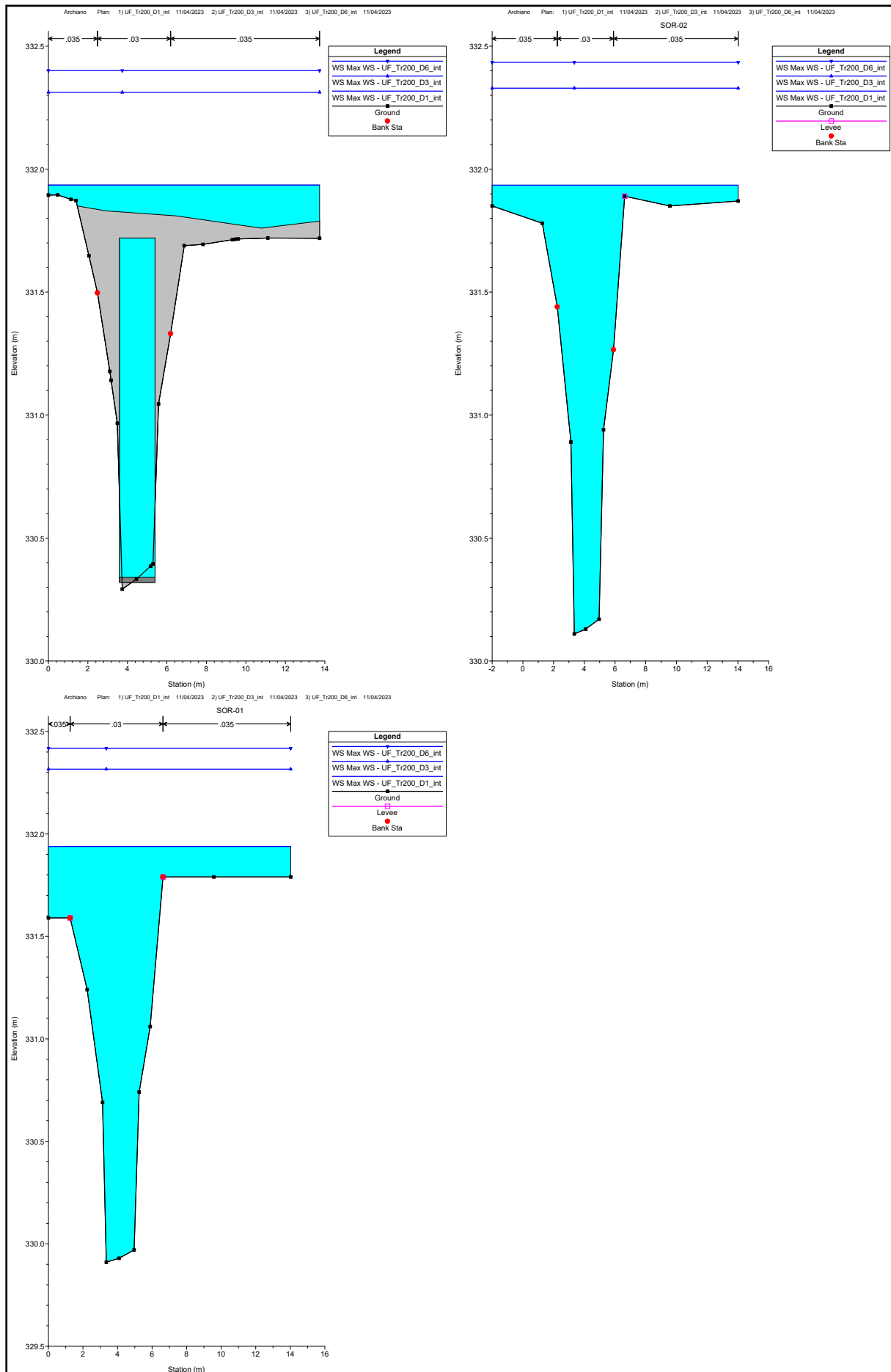














ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

AV5449

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	700	Max WS	UF_Tr200_D1_int	9.30	354.73	355.49	355.56	355.80	0.021991	2.99	1.17	1.15	5.02	12.24	1.22
AV5449	700	Max WS	UF_Tr200_D3_int	7.00	354.73	355.43	355.48	355.68	0.019951	2.65	0.98	0.96	4.25	12.24	1.14
AV5449	700	Max WS	UF_Tr200_D6_int	4.50	354.73	355.35	355.39	355.53	0.017151	2.21	0.73	0.71	3.24	12.24	1.03
AV5449	699.9		Lat Struct												
AV5449	699.8		Lat Struct												
AV5449	699.75*	Max WS	UF_Tr200_D1_int	5.31	354.48	355.17	355.21	355.37	0.016030	2.31	0.75	0.79	3.80	12.70	1.01
AV5449	699.75*	Max WS	UF_Tr200_D3_int	4.32	354.48	355.13	355.16	355.31	0.015669	2.16	0.65	0.68	3.27	12.70	0.99
AV5449	699.75*	Max WS	UF_Tr200_D6_int	3.19	354.48	355.08	355.11	355.23	0.014285	1.93	0.50	0.55	2.65	12.70	0.92
AV5449	699.50*	Max WS	UF_Tr200_D1_int	4.23	354.23	354.94	354.95	355.08	0.011550	1.97	0.56	0.66	3.65	13.15	0.85
AV5449	699.50*	Max WS	UF_Tr200_D3_int	3.57	354.23	354.90	354.92	355.04	0.012359	1.93	0.49	0.60	3.09	13.15	0.87
AV5449	699.50*	Max WS	UF_Tr200_D6_int	2.87	354.23	354.85	354.88	355.00	0.013930	1.91	0.38	0.52	2.41	13.15	0.91
AV5449	699.25*	Max WS	UF_Tr200_D1_int	4.53	353.97	354.77		354.89	0.008844	1.85	0.53	0.66	4.31	13.61	0.75
AV5449	699.25*	Max WS	UF_Tr200_D3_int	3.74	353.97	354.72		354.84	0.009286	1.80	0.45	0.59	3.63	13.61	0.76
AV5449	699.25*	Max WS	UF_Tr200_D6_int	2.78	353.97	354.64	354.67	354.78	0.011602	1.81	0.31	0.50	2.52	13.61	0.83
AV5449	699	Max WS	UF_Tr200_D1_int	5.46	353.72	354.59		354.73	0.010079	2.07	0.58	0.76	4.80	14.07	0.79
AV5449	699	Max WS	UF_Tr200_D3_int	4.50	353.72	354.54	354.54	354.67	0.010185	1.98	0.49	0.68	4.10	14.07	0.79
AV5449	699	Max WS	UF_Tr200_D6_int	3.27	353.72	354.46	354.48	354.59	0.011063	1.88	0.45	0.57	2.91	11.72	0.80
AV5449	698.97*	Max WS	UF_Tr200_D1_int	5.58	353.43	354.38	354.40	354.56	0.010589	2.22	0.52	0.76	4.45	13.65	0.82
AV5449	698.97*	Max WS	UF_Tr200_D3_int	4.75	353.43	354.33	354.36	354.51	0.011339	2.19	0.43	0.70	3.74	13.65	0.87
AV5449	698.97*	Max WS	UF_Tr200_D6_int	3.46	353.43	354.24	354.27	354.42	0.011925	2.05	0.40	0.55	2.63	10.67	0.84
AV5449	698.93*	Max WS	UF_Tr200_D1_int	5.54	353.14	354.19	354.20	354.37	0.009478	2.21	0.44	0.72	4.26	13.23	0.78
AV5449	698.93*	Max WS	UF_Tr200_D3_int	4.67	353.14	354.12	354.17	354.32	0.010836	2.23	0.31	0.66	3.36	13.23	0.82
AV5449	698.93*	Max WS	UF_Tr200_D6_int	3.47	353.14	354.01	354.06	354.23	0.012604	2.17	0.33	0.48	2.25	9.29	0.86
AV5449	698.90*	Max WS	UF_Tr200_D1_int	5.76	352.85	354.01	354.02	354.21	0.008209	2.19	0.40	0.70	4.32	12.81	0.73
AV5449	698.90*	Max WS	UF_Tr200_D3_int	4.80	352.85	353.92	353.92	354.13	0.009661	2.21	0.37	0.62	3.23	9.97	0.78
AV5449	698.90*	Max WS	UF_Tr200_D6_int	3.47	352.85	353.78	353.78	354.00	0.011998	2.16	0.24	0.50	2.00	6.47	0.84
AV5449	698.87*	Max WS	UF_Tr200_D1_int	7.04	352.55	353.84	353.89	354.11	0.010292	2.57	0.43	0.81	4.31	12.38	0.82
AV5449	698.87*	Max WS	UF_Tr200_D3_int	5.53	352.55	353.73	353.74	354.00	0.011084	2.47	0.36	0.71	3.11	8.63	0.84
AV5449	698.87*	Max WS	UF_Tr200_D6_int	3.68	352.55	353.55	353.52	353.78	0.012140	2.22	0.34	0.56	1.95	4.56	0.84
AV5449	698.83*	Max WS	UF_Tr200_D1_int	7.83	352.26	353.61	353.74	354.00	0.013398	2.97	0.44	0.93	3.73	9.76	0.93
AV5449	698.83*	Max WS	UF_Tr200_D3_int	6.06	352.26	353.49	353.53	353.84	0.013557	2.75	0.31	0.82	2.76	6.47	0.92
AV5449	698.83*	Max WS	UF_Tr200_D6_int	3.92	352.26	353.30	353.27	353.57	0.013187	2.34	0.32	0.62	1.90	3.80	0.87
AV5449	698.80	Max WS	UF_Tr200_D1_int	8.09	351.97	353.21	353.55	353.94	0.028560	3.90	0.60	1.15	2.37	3.67	1.31
AV5449	698.80	Max WS	UF_Tr200_D3_int	6.25	351.97	353.10	353.24	353.69	0.026662	3.47	0.46	0.98	2.00	3.37	1.24
AV5449	698.80	Max WS	UF_Tr200_D6_int	4.02	351.97	352.94	353.02	353.35	0.024581	2.86	0.21	0.71	1.49	2.91	1.15
AV5449	698.77	Max WS	UF_Tr200_D1_int	8.09	351.58	352.78	352.81	353.06	0.015668	2.55	0.81		4.36	10.73	0.96
AV5449	698.77	Max WS	UF_Tr200_D3_int	6.25	351.58	352.70	352.76	352.96	0.015582	2.40	0.62		3.45	10.40	0.94
AV5449	698.77	Max WS	UF_Tr200_D6_int	4.02	351.58	352.56	352.57	352.78	0.014853	2.11	0.38		2.16	7.28	0.90
AV5449	698.75*	Max WS	UF_Tr200_D1_int	8.09	351.40	352.56	352.60	352.84	0.015646	2.49	0.74		4.25	11.04	0.99
AV5449	698.75*	Max WS	UF_Tr200_D3_int	6.25	351.40	352.48	352.51	352.73	0.015130	2.30	0.63		3.40	9.65	0.96
AV5449	698.75*	Max WS	UF_Tr200_D6_int	4.02	351.40	352.35	352.36	352.56	0.014854	2.02	0.33		2.21	8.43	0.92
AV5449	698.72*	Max WS	UF_Tr200_D1_int	8.08	351.22	352.34	352.40	352.60	0.014817	2.37	0.64		4.36	12.35	0.97
AV5449	698.72*	Max WS	UF_Tr200_D3_int	6.25	351.22	352.27	352.28	352.49	0.013480	2.12	0.55		3.58	10.47	0.91
AV5449	698.72*	Max WS	UF_Tr200_D6_int	4.02	351.22	352.16	352.14	352.32	0.012627	1.82	0.34		2.45	8.52	0.86
AV5449	698.70	Max WS	UF_Tr200_D1_int	7.29	351.04	352.18		352.32	0.007574	1.74	0.65		5.07	10.28	0.70
AV5449	698.70	Max WS	UF_Tr200_D3_int	5.81	351.04	352.13		352.24	0.006483	1.54	0.54		4.54	10.15	0.64
AV5449	698.70	Max WS	UF_Tr200_D6_int	3.94	351.04	352.02		352.11	0.006000	1.34	0.37		3.45	9.89	0.80
AV5449	698.67	Max WS	UF_Tr200_D1_int	5.77	350.75	351.86	351.99	352.31	0.024858	3.49	1.24	1.10	2.64	5.54	1.17
AV5449	698.67	Max WS	UF_Tr200_D3_int	4.90	350.75	351.81	351.93	352.23	0.024040	3.30	1.11	1.02	2.34	5.43	1.14
AV5449	698.67	Max WS	UF_Tr200_D6_int	3.77	350.75	351.71	351.84	352.12	0.025554	3.13	1.24	0.94	1.65	3.60	1.15
AV5449	698.64*	Max WS	UF_Tr200_D1_int	5.80	350.31	351.38	351.50	351.92	0.024296	3.42	0.89	0.98	2.17	4.68	1.19
AV5449	698.64*	Max WS	UF_Tr200_D3_int	4.90	350.31	351.30	351.45	351.82	0.025670	3.29	0.76	0.91	1.82	4.27	1.21
AV5449	698.64*	Max WS	UF_Tr200_D6_int	3.77	350.31	351.20	351.34	351.65	0.026204	3.02	0.52	0.78	1.42	3.74	1.19
AV5449	698.60*	Max WS	UF_Tr200_D1_int	6.17	349.86	350.95	351.01	351.41	0.019208	3.03	0.48	0.82	2.24	3.78	1.07
AV5449	698.60*	Max WS	UF_Tr200_D3_int	5.02	349.86	350.85	350.90	351.26	0.020427	2.86	0.32	0.72	1.87	3.36	1.08
AV5449	698.60*	Max WS	UF_Tr200_D6_int	3.77	349.86	350.71	350.77	351.08	0.024094	2.71		0.57	1.43	2.83	1.13
AV5449	698.57	Max WS	UF_Tr200_D1_int	7.39	349.42	350.65	350.59	350.98	0.011941	2.60	0.29	0.71	3.08	4.33	0.86
AV5449	698.57	Max WS	UF_Tr200_D3_int	5.88	349.42	350.53		350.82	0.012051	2.39	0.10	0.61	2.60	3.88	0.85
AV5449	698.57	Max WS	UF_Tr200_D6_int	4.00	349.42	350.35		350.57	0.012228	2.11		0.43	1.95	3.40	0.83
AV5449	698.54*	Max WS	UF_Tr200_D1_int	7.98	349.10	350.41	350.35	350.76	0.012353	2.64	0.39	0.56	3.17	4.44	0.88
AV5449	698.54*	Max WS	UF_Tr200_D3_int	6.30	349.10	350.29		350.58	0.012154	2.40	0.27	0.43	2.69	3.96	0.85
AV5449	698.54*	Max WS	UF_Tr200_D6_int	4.15	349.10	350.11		350.32	0.012305	2.05		0.18	2.03	3.36	0.83
AV5449	698.50*	Max WS	UF_Tr200_D1_int	8.38	348.78	350.15	350.11	350.51	0.013224	2.67	0.45	0.36	3.25	4.61	0.90
AV5449	698.50*	Max WS	UF_Tr200_D3_int	6.70	348.78	350.04		350.35	0.013581	2.46	0.40	0.18	2.76	3.95	0.89
AV5449	698.50*	Max WS	UF_Tr200_D6_int	4.45	348.78	349.85		350.09	0.013924	2.15	0.13		2.07	3.38	0.87
AV5449	698.47*	Max WS	UF_Tr200_D1_int	8.38	348.47	349.89	349.84	350.24	0.014043	2.64	0.41		3.31	5.23	0.92
AV5449	698.47*	Max WS	UF_Tr200_D3_int	6.70	348.47	349.77		350.07	0.013900	2.45	0.46		2.78	3.97	0.90
AV5449	698.47*	Max WS	UF_Tr200_D6_int	4.45	348.47	349.57		349.81	0.014016	2.16	0.25		2.07	3.43	0.87
AV5449	698.43*	Max WS	UF_Tr200_D1_int	8.38	348.15	349.61	349.65	349.96	0.014345	2.65	0.34		3.45	8.15	0.92
AV5449	698.43*	Max WS	UF_Tr200_D3_int	6.70	348.15	349.49	349.43	349.80	0.014062	2.46	0.44		2.79	4.20	0.90
AV5449	698.43*	Max WS	UF_Tr200_D6_int	4.45	348.15	349.30		349.54	0.014123	2.17	0.33		2.07	3.45	0.87
AV5449	698.40	Max WS	UF_Tr200_D1_int	8.38	347.83	349.32	349.39	349.67	0.014689	2.65	0.42		3.66	9.58	0.92
AV5449	698.40	Max WS	UF_Tr200_D3_int	6.70	347.83	349.21	349.16	349.52	0.014562	2.48	0.32		2.81	5.34	0.90
AV5449	698.40	Max WS	UF_Tr200_D6_int	4.45	347.83	349.02		349.26	0.013870	2.16	0.41		2.09	3.43	0.85
AV5449	698.37*	Max WS	UF_Tr200_D1_int	8.38	347.56	349.02	349.14	349.39	0.015713	2.72	0.39		3.54	10.24	

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m²)	Top Width (m)	Froude # Chl
AV5449	698.30	Max WS	UF_Tr200_D1_int	8.44	347.01	348.46	348.46	348.73	0.010944	2.35	0.49		4.27	9.64	0.82
AV5449	698.30	Max WS	UF_Tr200_D3_int	6.73	347.01	348.36	348.24	348.60	0.010865	2.21	0.32		3.32	8.53	0.81
AV5449	698.30	Max WS	UF_Tr200_D6_int	4.46	347.01	348.18		348.37	0.010292	1.91	0.27		2.35	3.91	0.76
AV5449	698.27*	Max WS	UF_Tr200_D1_int	8.50	346.87	348.25	348.22	348.51	0.010881	2.30	0.42		4.14	9.10	0.84
AV5449	698.27*	Max WS	UF_Tr200_D3_int	6.76	346.87	348.15	348.06	348.38	0.010533	2.14	0.25		3.30	7.71	0.81
AV5449	698.27*	Max WS	UF_Tr200_D6_int	4.46	346.87	347.98		348.16	0.010103	1.85	0.14		2.42	4.26	0.77
AV5449	698.23*	Max WS	UF_Tr200_D1_int	8.48	346.74	348.03	347.99	348.29	0.011169	2.27	0.35	0.15	4.01	8.76	0.86
AV5449	698.23*	Max WS	UF_Tr200_D3_int	6.76	346.74	347.94	347.86	348.16	0.011112	2.09	0.20		3.27	6.55	0.84
AV5449	698.23*	Max WS	UF_Tr200_D6_int	4.46	346.74	347.78		347.95	0.010844	1.83			2.43	4.56	0.80
AV5449	698.20	Max WS	UF_Tr200_D1_int	8.48	346.61	347.68	347.77	348.09	0.024490	2.83		0.13	3.00	5.64	1.22
AV5449	698.20	Max WS	UF_Tr200_D3_int	6.76	346.61	347.60	347.68	347.96	0.023640	2.65			2.55	5.04	1.19
AV5449	698.20	Max WS	UF_Tr200_D6_int	4.46	346.61	347.44	347.50	347.74	0.023794	2.45			1.82	4.04	1.16
AV5449	698.17*	Max WS	UF_Tr200_D1_int	8.48	346.13	347.17	347.30	347.62	0.027844	2.99	0.38	0.23	2.95	7.69	1.31
AV5449	698.17*	Max WS	UF_Tr200_D3_int	6.76	346.13	347.10	347.20	347.48	0.026841	2.72			2.48	5.18	1.26
AV5449	698.17*	Max WS	UF_Tr200_D6_int	4.46	346.13	346.97	347.03	347.27	0.024375	2.43			1.84	4.20	1.17
AV5449	698.13	Max WS	UF_Tr200_D1_int	7.93	345.66	346.69	346.78	347.04	0.020459	2.66	0.76	0.27	3.43	11.77	1.13
AV5449	698.13	Max WS	UF_Tr200_D3_int	6.59	345.66	346.63	346.72	346.95	0.021117	2.51	0.64	0.22	2.85	7.52	1.13
AV5449	698.13	Max WS	UF_Tr200_D6_int	4.46	345.66	346.52	346.57	346.78	0.021225	2.23			2.00	4.72	1.09
AV5449	698.10*	Max WS	UF_Tr200_D1_int	8.53	345.37	346.32	346.39	346.61	0.017665	2.47	0.59	0.44	4.11	13.62	1.07
AV5449	698.10*	Max WS	UF_Tr200_D3_int	6.77	345.37	346.27	346.32	346.51	0.015809	2.20	0.44	0.35	3.43	11.13	1.00
AV5449	698.10*	Max WS	UF_Tr200_D6_int	4.32	345.37	346.21	346.14	346.34	0.010193	1.62	0.21	0.14	2.79	10.36	0.78
AV5449	698.07	Max WS	UF_Tr200_D1_int	8.52	345.09	345.84	345.97	346.23	0.030793	2.80	0.28	0.59	3.27	10.86	1.37
AV5449	698.07	Max WS	UF_Tr200_D3_int	6.77	345.09	345.77	345.87	346.14	0.034725	2.67		0.35	2.82	9.38	1.42
AV5449	698.07	Max WS	UF_Tr200_D6_int	4.46	345.09	345.63	345.76	346.01	0.047558	2.72			1.64	5.57	1.60
AV5449	698.05*	Max WS	UF_Tr200_D1_int	8.51	344.37	345.58		345.72	0.005007	1.66	0.20	0.12	5.32	10.59	0.59
AV5449	698.05*	Max WS	UF_Tr200_D3_int	6.77	344.37	345.49		345.60	0.004728	1.49	0.03		4.53	6.47	0.56
AV5449	698.05*	Max WS	UF_Tr200_D6_int	4.46	344.37	345.24		345.35	0.006079	1.45			3.08	5.49	0.62
AV5449	698.02	Max WS	UF_Tr200_D1_int	7.17	343.66	345.57		345.61	0.000683	0.84	0.21	0.11	9.53	12.21	0.22
AV5449	698.02	Max WS	UF_Tr200_D3_int	6.01	343.66	345.49		345.52	0.000587	0.75	0.17	0.09	8.67	10.09	0.21
AV5449	698.02	Max WS	UF_Tr200_D6_int	4.47	343.66	345.21		345.28	0.000970	1.13			3.94	7.25	0.30
AV5449	698.01														
AV5449	698		Culvert												
AV5449	698	Max WS	UF_Tr200_D1_int	7.17	343.19	344.56		344.78	0.003972	2.12			3.38	4.64	0.59
AV5449	698	Max WS	UF_Tr200_D3_int	6.01	343.19	344.40		344.61	0.004236	2.02			2.98	4.42	0.60
AV5449	698	Max WS	UF_Tr200_D6_int	4.47	343.19	344.15		344.34	0.005405	1.93			2.32	4.06	0.65
AV5449	697.97*	Max WS	UF_Tr200_D1_int	8.45	343.04	344.47		344.63	0.005249	1.79			4.71	4.65	0.57
AV5449	697.97*	Max WS	UF_Tr200_D3_int	6.77	343.04	344.33		344.47	0.004960	1.65			4.09	4.43	0.55
AV5449	697.97*	Max WS	UF_Tr200_D6_int	4.47	343.04	344.09		344.20	0.004719	1.45			3.09	4.07	0.53
AV5449	697.93*	Max WS	UF_Tr200_D1_int	8.57	342.89	344.34		344.52	0.006009	1.89			4.53	4.64	0.61
AV5449	697.93*	Max WS	UF_Tr200_D3_int	6.82	342.89	344.22		344.37	0.005408	1.71			3.99	4.42	0.58
AV5449	697.93*	Max WS	UF_Tr200_D6_int	4.47	342.89	344.00		344.11	0.004849	1.46			3.05	4.04	0.54
AV5449	697.90*	Max WS	UF_Tr200_D1_int	8.57	342.74	344.20		344.40	0.006871	1.98			4.34	4.67	0.65
AV5449	697.90*	Max WS	UF_Tr200_D3_int	6.82	342.74	344.10		344.26	0.005915	1.76			3.87	4.45	0.60
AV5449	697.90*	Max WS	UF_Tr200_D6_int	4.47	342.74	343.90		344.01	0.005002	1.48			3.02	4.02	0.55
AV5449	697.86*	Max WS	UF_Tr200_D1_int	8.56	342.59	344.06		344.28	0.007653	2.07	0.21		4.17	5.19	0.69
AV5449	697.86*	Max WS	UF_Tr200_D3_int	6.82	342.59	343.97		344.14	0.006639	1.83	0.07		3.73	4.61	0.64
AV5449	697.86*	Max WS	UF_Tr200_D6_int	4.47	342.59	343.80		343.91	0.005245	1.50			2.98	4.06	0.56
AV5449	697.83*	Max WS	UF_Tr200_D1_int	8.30	342.45	343.90		344.13	0.008225	2.11	0.37		4.11	6.11	0.72
AV5449	697.83*	Max WS	UF_Tr200_D3_int	6.82	342.45	343.83		344.02	0.007279	1.90	0.21		3.68	6.04	0.67
AV5449	697.83*	Max WS	UF_Tr200_D6_int	4.47	342.45	343.69		343.80	0.005633	1.52			2.95	4.21	0.58
AV5449	697.79	Max WS	UF_Tr200_D1_int	7.42	342.30	343.75		343.94	0.007348	1.97	0.47	0.09	4.04	5.99	0.68
AV5449	697.79	Max WS	UF_Tr200_D3_int	6.54	342.30	343.69		343.87	0.007195	1.87	0.39		3.71	5.90	0.67
AV5449	697.79	Max WS	UF_Tr200_D6_int	4.47	342.30	343.58		343.70	0.005444	1.51	0.21		2.99	4.66	0.57
AV5449	697.76*	Max WS	UF_Tr200_D1_int	6.91	342.30	343.59	343.50	343.80	0.008654	2.07	0.63	0.20	3.90	8.48	0.74
AV5449	697.76*	Max WS	UF_Tr200_D3_int	5.99	342.30	343.54		343.72	0.008420	1.95	0.55	0.09	3.46	6.25	0.73
AV5449	697.76*	Max WS	UF_Tr200_D6_int	4.48	342.30	343.44		343.59	0.007615	1.72	0.38		2.86	6.08	0.68
AV5449	697.72*	Max WS	UF_Tr200_D1_int	6.08	342.30	343.41	343.35	343.60	0.009850	2.07	0.75	0.33	3.75	8.87	0.79
AV5449	697.72*	Max WS	UF_Tr200_D3_int	5.28	342.30	343.36		343.54	0.010184	2.00	0.69	0.09	3.18	6.96	0.80
AV5449	697.72*	Max WS	UF_Tr200_D6_int	4.05	342.30	343.27		343.43	0.010371	1.85	0.56		2.59	6.37	0.79
AV5449	697.69*	Max WS	UF_Tr200_D1_int	4.17	342.30	343.27		343.35	0.005025	1.44	0.63	0.35	4.08	9.26	0.57
AV5449	697.69*	Max WS	UF_Tr200_D3_int	3.76	342.30	343.20		343.29	0.006487	1.51	0.64	0.29	3.43	9.26	0.64
AV5449	697.69*	Max WS	UF_Tr200_D6_int	2.68	342.30	343.11		343.19	0.006321	1.34	0.54	0.04	2.56	6.75	0.61
AV5449	697.65	Max WS	UF_Tr200_D1_int	3.83	342.30	343.23		343.27	0.002170	1.02	0.52	0.36	5.64	9.64	0.39
AV5449	697.65	Max WS	UF_Tr200_D3_int	3.34	342.30	343.14		343.18	0.002697	1.04	0.53	0.34	4.79	9.64	0.42
AV5449	697.65	Max WS	UF_Tr200_D6_int	3.00	342.30	342.89	342.87	343.01	0.016806	1.83	0.90		2.21	6.93	0.97
AV5449	697.61*	Max WS	UF_Tr200_D1_int	3.83	341.81	343.21		343.24	0.000695	0.70	0.25	0.14	7.52	12.87	0.23
AV5449	697.61*	Max WS	UF_Tr200_D3_int	3.34	341.81	343.12		343.14	0.000807	0.71	0.24	0.11	6.16	11.18	0.24
AV5449	697.61*	Max WS	UF_Tr200_D6_int	3.00	341.81	342.62		342.77	0.011653	1.69	0.20		1.80	4.75	0.82
AV5449	697.6														
AV5449	697.6		Lat Struct												
AV5449	697.59														
AV5449	697.59		Lat Struct												
AV5449	697.58*	Max WS	UF_Tr200_D1_int	4.82	341.31	343.20		343.22	0.000355	0.58	0.16	0.12	10.02	12.89	0.17
AV5449	697.58*	Max WS	UF_Tr200_D3_int	4.37	341.31	343.11		343.12	0.000399	0.58	0.14	0.11	8.82	12.48	0.18
AV5449	697.58*	Max WS	UF_Tr200_D6_int	3.67	341.31	342.48		342.55	0.003571	1.14			3.22	5.40	0.47
AV5449	697.54*	Max WS	UF_Tr200_D1_int	4.83	340.81	343.20		343.21	0.000126	0.39	0.08	0.08	13.93	14.93	0.10
AV5449	697.54*	Max WS	UF_Tr200_D3_int	4.47	340.81	343.11		343.12	0.000138	0.39	0.06	0.08	12.52	14.61	0.11
AV5449	697.54*	Max WS	UF_Tr200_D6_int	3.67	340.81	342.48		342.50	0.000674	0.60	0.01		6.09	7.62	0.21
AV5449	697.50	Max WS	UF_Tr200_D1_int	4.53	340.32	343.21		343.21	0.000045	0.26	0.06	0.05	18.51	14.00	0.06
AV5449	697.50	Max WS	UF_Tr200_D3_int	4.42	340.32	343.11		343.11	0.000052	0.27	0.06	0.05	17.20	13.32	0.07
AV5449	697.50														

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	697.45			Culvert											
AV5449	697.40	Max WS	UF_Tr200_D1_int	4.53	337.42	339.09		339.10	0.000243	0.49	0.07	0.13	10.63	14.11	0.14
AV5449	697.40	Max WS	UF_Tr200_D3_int	4.42	337.42	339.08		339.09	0.000240	0.48	0.07	0.13	10.47	14.08	0.14
AV5449	697.40	Max WS	UF_Tr200_D6_int	3.67	337.42	338.98		338.99	0.000224	0.44	0.07	0.11	9.19	12.09	0.13
AV5449	697.39		Lat Struct												
AV5449	697.38		Lat Struct												
AV5449	697.35*	Max WS	UF_Tr200_D1_int	4.35	337.27	339.09		339.10	0.000268	0.55	0.11	0.14	9.73	12.16	0.15
AV5449	697.35*	Max WS	UF_Tr200_D3_int	4.27	337.27	339.08		339.09	0.000267	0.55	0.11	0.14	9.59	12.12	0.15
AV5449	697.35*	Max WS	UF_Tr200_D6_int	3.66	337.27	338.98		338.99	0.000259	0.52	0.08	0.12	8.41	11.74	0.14
AV5449	697.30	Max WS	UF_Tr200_D1_int	3.84	337.13	339.08	337.93	339.11	0.000493	0.70	0.19	0.19	7.48	8.56	0.17
AV5449	697.30	Max WS	UF_Tr200_D3_int	3.80	337.13	339.07	337.92	339.09	0.000499	0.70	0.19	0.19	7.38	8.56	0.17
AV5449	697.30	Max WS	UF_Tr200_D6_int	3.50	337.13	338.97	337.89	338.99	0.000559	0.71	0.17	0.18	6.50	8.56	0.18
AV5449	697.25		Bridge												
AV5449	697.20	Max WS	UF_Tr200_D1_int	3.83	337.13	337.91	337.93	338.24	0.021603	2.52	0.11		1.52	2.59	1.05
AV5449	697.20	Max WS	UF_Tr200_D3_int	3.79	337.13	337.91	337.92	338.23	0.021387	2.50	0.10		1.52	2.59	1.04
AV5449	697.20	Max WS	UF_Tr200_D6_int	3.50	337.13	337.88	337.89	338.18	0.021518	2.44	0.07		1.44	2.57	1.04
AV5449	697.13*	Max WS	UF_Tr200_D1_int	3.83	336.93	337.76	337.76	338.07	0.020005	2.45	0.05		1.56	2.61	1.01
AV5449	697.13*	Max WS	UF_Tr200_D3_int	3.79	336.93	337.76	337.76	338.06	0.019547	2.43	0.05		1.56	2.61	1.00
AV5449	697.13*	Max WS	UF_Tr200_D6_int	3.50	336.93	337.73	337.73	338.01	0.019395	2.36			1.48	2.58	0.99
AV5449	697.07*	Max WS	UF_Tr200_D1_int	3.83	336.72	337.63	337.60	337.90	0.017185	2.31			1.66	2.71	0.94
AV5449	697.07*	Max WS	UF_Tr200_D3_int	3.79	336.72	337.63		337.89	0.016419	2.27			1.67	2.72	0.92
AV5449	697.07*	Max WS	UF_Tr200_D6_int	3.50	336.72	337.60		337.85	0.015940	2.19			1.59	2.67	0.91
AV5449	697	Max WS	UF_Tr200_D1_int	3.82	336.52	337.53		337.70	0.009573	1.88		0.53	2.40	5.30	0.72
AV5449	697	Max WS	UF_Tr200_D3_int	3.78	336.52	337.54		337.70	0.008846	1.82		0.53	2.46	5.32	0.70
AV5449	697	Max WS	UF_Tr200_D6_int	3.49	336.52	337.51		337.66	0.008674	1.76		0.48	2.32	5.29	0.69
AV5449	696.67*	Max WS	UF_Tr200_D1_int	3.46	336.47	337.39		337.49	0.006069	1.47	0.10	0.43	2.92	7.70	0.61
AV5449	696.67*	Max WS	UF_Tr200_D3_int	3.56	336.47	337.43		337.52	0.005148	1.40	0.14	0.44	3.19	7.85	0.57
AV5449	696.67*	Max WS	UF_Tr200_D6_int	3.26	336.47	337.40		337.49	0.005029	1.35	0.11	0.41	3.00	7.74	0.55
AV5449	696.33	Max WS	UF_Tr200_D1_int	3.22	336.42	337.34		337.38	0.002674	1.02	0.17	0.36	4.20	10.17	0.42
AV5449	696.33	Max WS	UF_Tr200_D3_int	3.40	336.42	337.39		337.43	0.002193	0.97	0.18	0.36	4.70	10.29	0.38
AV5449	696.33	Max WS	UF_Tr200_D6_int	3.15	336.42	337.36		337.40	0.002226	0.95	0.17	0.35	4.42	10.22	0.38
AV5449	696.17*	Max WS	UF_Tr200_D1_int	2.50	336.26	337.31	336.93	337.39	0.002431	1.22			2.05	11.09	0.42
AV5449	696.17*	Max WS	UF_Tr200_D3_int	2.63	336.26	337.36	336.95	337.43	0.002235	1.21			2.16	11.47	0.41
AV5449	696.17*	Max WS	UF_Tr200_D6_int	2.54	336.26	337.33	336.93	337.40	0.002366	1.22			2.09	11.21	0.42
AV5449	696.05		Bridge												
AV5449	696	Max WS	UF_Tr200_D1_int	2.50	336.10	336.86		337.06	0.013038	1.97			1.27	3.00	0.86
AV5449	696	Max WS	UF_Tr200_D3_int	2.63	336.10	336.89		337.09	0.012016	1.96			1.34	3.09	0.83
AV5449	696	Max WS	UF_Tr200_D6_int	2.54	336.10	336.88		337.07	0.011974	1.93			1.31	3.06	0.83
AV5449	695.89*	Max WS	UF_Tr200_D1_int	2.64	335.92	336.66		336.79	0.011176	1.54			1.71	4.42	0.79
AV5449	695.89*	Max WS	UF_Tr200_D3_int	2.98	335.92	336.71		336.83	0.010241	1.55		0.09	1.93	5.03	0.77
AV5449	695.89*	Max WS	UF_Tr200_D6_int	2.84	335.92	336.71		336.82	0.009664	1.50		0.07	1.90	4.92	0.74
AV5449	695.78	Max WS	UF_Tr200_D1_int	2.88	335.74	336.55		336.61	0.005401	1.12	0.15	0.19	3.02	15.77	0.56
AV5449	695.78	Max WS	UF_Tr200_D3_int	3.48	335.74	336.61		336.67	0.004597	1.13	0.24	0.27	3.93	15.77	0.53
AV5449	695.78	Max WS	UF_Tr200_D6_int	3.27	335.74	336.61		336.66	0.003953	1.05	0.23	0.25	3.97	15.77	0.49
AV5449	695.67*	Max WS	UF_Tr200_D1_int	3.27	335.61	336.49		336.53	0.002887	0.97	0.23	0.31	4.56	14.73	0.43
AV5449	695.67*	Max WS	UF_Tr200_D3_int	3.44	335.61	336.56		336.59	0.001887	0.86	0.25	0.30	5.60	14.73	0.35
AV5449	695.67*	Max WS	UF_Tr200_D6_int	3.21	335.61	336.58		336.61	0.001404	0.76	0.23	0.27	5.93	14.73	0.31
AV5449	695.56*	Max WS	UF_Tr200_D1_int	6.19	335.48	336.33	336.32	336.48	0.010360	1.89	0.43	0.68	4.55	13.69	0.82
AV5449	695.56*	Max WS	UF_Tr200_D3_int	5.96	335.48	336.38		336.49	0.006619	1.61	0.42	0.61	5.25	13.69	0.67
AV5449	695.56*	Max WS	UF_Tr200_D6_int	5.38	335.48	336.49		336.54	0.002792	1.16	0.36	0.47	6.67	13.69	0.44
AV5449	695.44*	Max WS	UF_Tr200_D1_int	5.44	335.35	336.12	336.13	336.29	0.013082	2.02	0.31	0.76	3.73	12.65	0.91
AV5449	695.44*	Max WS	UF_Tr200_D3_int	5.10	335.35	336.33		336.38	0.002760	1.17	0.35	0.50	6.39	12.65	0.44
AV5449	695.44*	Max WS	UF_Tr200_D6_int	5.29	335.35	336.46		336.50	0.001516	0.97	0.33	0.43	8.08	12.65	0.34
AV5449	695.33	Max WS	UF_Tr200_D1_int	3.71	335.22	335.88		336.01	0.012662	1.81	0.22	0.70	2.78	8.82	0.87
AV5449	695.33	Max WS	UF_Tr200_D3_int	4.22	335.22	336.32		336.35	0.001000	0.81	0.27	0.37	7.88	11.61	0.28
AV5449	695.33	Max WS	UF_Tr200_D6_int	4.57	335.22	336.46		336.48	0.000686	0.74	0.26	0.34	9.45	11.61	0.23
AV5449	695.22*	Max WS	UF_Tr200_D1_int	2.57	335.02	335.65		335.77	0.011639	1.65	0.13	0.55	2.03	7.27	0.82
AV5449	695.22*	Max WS	UF_Tr200_D3_int	3.46	335.02	336.32		336.33	0.000462	0.62	0.21	0.28	8.62	10.80	0.19
AV5449	695.22*	Max WS	UF_Tr200_D6_int	3.82	335.02	336.46		336.47	0.000358	0.59	0.21	0.27	10.09	10.80	0.17
AV5449	695.11*	Max WS	UF_Tr200_D1_int	2.07	334.82	335.43	335.43	335.57	0.012985	1.68	0.03	0.45	1.50	5.72	0.83
AV5449	695.11*	Max WS	UF_Tr200_D3_int	3.19	334.82	336.32		336.33	0.000316	0.56	0.19	0.24	9.00	10.00	0.16
AV5449	695.11*	Max WS	UF_Tr200_D6_int	3.64	334.82	336.45		336.46	0.000278	0.56	0.20	0.24	10.36	10.00	0.15
AV5449	695	Max WS	UF_Tr200_D1_int	1.67	334.62	335.23		335.36	0.008761	1.59			1.05	2.27	0.74
AV5449	695	Max WS	UF_Tr200_D3_int	3.19	334.62	336.31		336.32	0.000161	0.48	0.26	0.29	9.07	9.19	0.12
AV5449	695	Max WS	UF_Tr200_D6_int	3.66	334.62	336.45		336.46	0.000145	0.48	0.27	0.29	10.32	9.19	0.12
AV5449	694.75*	Max WS	UF_Tr200_D1_int	1.27	334.36	335.16		335.19	0.001443	0.79	0.18	0.34	1.88	5.13	0.32
AV5449	694.75*	Max WS	UF_Tr200_D3_int	3.31	334.36	336.31		336.32	0.000097	0.41	0.23	0.25	10.88	8.95	0.10
AV5449	694.75*	Max WS	UF_Tr200_D6_int	3.76	334.36	336.45		336.46	0.000092	0.42	0.25	0.25	12.09	8.95	0.10
AV5449	694.50*	Max WS	UF_Tr200_D1_int	1.26	334.10	335.16		335.17	0.000384	0.50	0.18	0.27	3.11	6.13	0.17
AV5449	694.50*	Max WS	UF_Tr200_D3_int	3.51	334.10	336.31		336.32	0.000070	0.38	0.22	0.23	12.59	8.71	0.08
AV5449	694.50*	Max WS	UF_Tr200_D6_int	3.97	334.10	336.45		336.45	0.000068	0.39	0.23	0.24	13.77	8.71	0.09
AV5449	694.25*	Max WS	UF_Tr200_D1_int	1.28	333.84	335.16		335.16	0.000146	0.36	0.14	0.21	4.58	7.25	0.11
AV5449	694.25*	Max WS	UF_Tr200_D3_int	3.67	333.84	336.31		336.32	0.000053	0.35	0.21	0.22	14.21	8.47	0.07
AV5449	694.25*	Max WS	UF_Tr200_D6_int	4.14	333.84	336.45		336.45	0.000054	0.36	0.22	0.23	15.36	8.47	0.07
AV5449	694	Max WS	UF_Tr200_D1_int	1.31	333.58	335.16		335.16	0.000069	0.27	0.12	0.17	6.25	8.05	0.07
AV5449	694	Max WS	UF_Tr200_D3_int	3.67	333.58	336.31		336.31	0.000039	0.31	0.19	0.20	15.74	8.23	0.06
AV5449	694	Max WS	UF_Tr200_D6_int	4.22	333.58	336.45		336.45	0.000042	0.33	0.20	0.21	16.85	8.23	0.07
AV5449	693.90*	Max WS	UF_Tr200_D1_int	1.33	333.49	335.16		335.16	0.000026	0.19	0.09	0.11	8.95	9.47	0.05

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	693.90*	Max WS	UF_Tr200_D3_int	3.66	333.49	336.31		336.31	0.000019	0.25	0.14	0.15	19.87	9.47	0.05
AV5449	693.90*	Max WS	UF_Tr200_D6_int	4.31	333.49	336.45		336.45	0.000022	0.27	0.15	0.16	21.16	9.47	0.05
AV5449	693.80*	Max WS	UF_Tr200_D1_int	1.33	333.39	335.16		335.16	0.000013	0.14	0.08	0.09	11.75	10.71	0.04
AV5449	693.80*	Max WS	UF_Tr200_D3_int	3.55	333.39	336.31		336.31	0.000011	0.19	0.11	0.11	24.10	10.71	0.04
AV5449	693.80*	Max WS	UF_Tr200_D6_int	4.30	333.39	336.45		336.45	0.000013	0.22	0.12	0.13	25.55	10.71	0.04
AV5449	693.70	Max WS	UF_Tr200_D1_int	1.34	333.30	335.16		335.16	0.000008	0.11	0.07	0.07	14.65	11.95	0.03
AV5449	693.70	Max WS	UF_Tr200_D3_int	3.39	333.30	336.31		336.31	0.000006	0.15	0.08	0.09	28.44	11.95	0.03
AV5449	693.70	Max WS	UF_Tr200_D6_int	4.20	333.30	336.45		336.45	0.000008	0.18	0.10	0.10	30.05	11.95	0.04
AV5449	693.60*	Max WS	UF_Tr200_D1_int	1.34	333.19	335.16		335.16	0.000006	0.10	0.06	0.06	16.20	11.80	0.03
AV5449	693.60*	Max WS	UF_Tr200_D3_int	3.20	333.19	336.31		336.31	0.000005	0.14	0.08	0.08	29.81	11.80	0.03
AV5449	693.60*	Max WS	UF_Tr200_D6_int	4.01	333.19	336.45		336.45	0.000007	0.17	0.09	0.09	31.40	11.80	0.03
AV5449	693.50*	Max WS	UF_Tr200_D1_int	1.34	333.09	335.16		335.16	0.000004	0.10	0.06	0.06	17.71	11.65	0.02
AV5449	693.50*	Max WS	UF_Tr200_D3_int	2.96	333.09	336.31		336.31	0.000004	0.13	0.07	0.07	31.15	11.65	0.02
AV5449	693.50*	Max WS	UF_Tr200_D6_int	3.77	333.09	336.45		336.45	0.000005	0.15	0.08	0.08	32.73	11.65	0.03
AV5449	693.40*	Max WS	UF_Tr200_D1_int	1.34	332.98	335.16		335.16	0.000003	0.09	0.05	0.05	19.19	11.49	0.02
AV5449	693.40*	Max WS	UF_Tr200_D3_int	2.68	332.98	336.31		336.31	0.000003	0.11	0.06	0.06	32.45	11.49	0.02
AV5449	693.40*	Max WS	UF_Tr200_D6_int	3.39	332.98	336.45		336.45	0.000004	0.13	0.07	0.07	34.00	11.49	0.02
AV5449	693.30	Max WS	UF_Tr200_D1_int	1.34	332.88	335.16		335.16	0.000003	0.08	0.05	0.05	20.63	11.34	0.02
AV5449	693.30	Max WS	UF_Tr200_D3_int	2.36	332.88	336.31		336.31	0.000002	0.09	0.05	0.05	33.71	11.34	0.02
AV5449	693.30	Max WS	UF_Tr200_D6_int	2.91	332.88	336.45		336.45	0.000002	0.11	0.06	0.06	35.25	11.34	0.02
AV5449	693.20*	Max WS	UF_Tr200_D1_int	1.34	332.63	335.16		335.16	0.000002	0.07	0.04	0.04	24.80	13.20	0.02
AV5449	693.20*	Max WS	UF_Tr200_D3_int	2.00	332.63	336.31		336.31	0.000001	0.07	0.04	0.04	40.04	13.20	0.01
AV5449	693.20*	Max WS	UF_Tr200_D6_int	2.32	332.63	336.45		336.45	0.000001	0.07	0.04	0.04	41.83	13.20	0.01
AV5449	693.10*	Max WS	UF_Tr200_D1_int	1.35	332.37	335.16		335.16	0.000001	0.06	0.04	0.04	29.13	15.06	0.01
AV5449	693.10*	Max WS	UF_Tr200_D3_int	1.61	332.37	336.31		336.31	0.000000	0.05	0.03	0.03	46.51	15.06	0.01
AV5449	693.10*	Max WS	UF_Tr200_D6_int	1.63	332.37	336.45		336.45	0.000000	0.05	0.03	0.03	48.55	15.06	0.01
AV5449	693	Max WS	UF_Tr200_D1_int	1.35	332.12	335.16		335.16	0.000001	0.05	0.04	0.03	33.61	16.92	0.01
AV5449	693	Max WS	UF_Tr200_D3_int	1.60	332.12	336.31		336.31	0.000000	0.04	0.03	0.02	53.13	16.92	0.01
AV5449	693	Max WS	UF_Tr200_D6_int	1.63	332.12	336.45		336.45	0.000000	0.04	0.03	0.02	55.43	16.92	0.01
AV5449	692.67*	Max WS	UF_Tr200_D1_int	1.35	332.00	335.15		335.17	0.000110	0.65			2.06	13.41	0.12
AV5449	692.67*	Max WS	UF_Tr200_D3_int	1.60	332.00	336.31		336.33	0.000052	0.56			2.87	13.41	0.09
AV5449	692.67*	Max WS	UF_Tr200_D6_int	1.63	332.00	336.44		336.46	0.000048	0.55			2.97	13.41	0.09
AV5449	692.4		Culvert												
AV5449	692.33*	Max WS	UF_Tr200_D1_int	1.35	331.88	333.33		333.46	0.003399	1.61			0.84	8.53	0.47
AV5449	692.33*	Max WS	UF_Tr200_D3_int	1.60	331.88	333.35		333.53	0.004518	1.88			0.85	8.62	0.54
AV5449	692.33*	Max WS	UF_Tr200_D6_int	1.63	331.88	333.36		333.54	0.004594	1.90			0.86	8.64	0.55
AV5449	692.3		Lat Struct												
AV5449	692.2		Lat Struct												
AV5449	692	Max WS	UF_Tr200_D1_int	1.34	331.76	333.36		333.37	0.000455	0.50	0.31	0.35	3.36	5.54	0.13
AV5449	692	Max WS	UF_Tr200_D3_int	1.60	331.76	333.39		333.40	0.000570	0.56	0.36	0.40	3.51	5.58	0.15
AV5449	692	Max WS	UF_Tr200_D6_int	1.63	331.76	333.40		333.41	0.000574	0.57	0.36	0.41	3.54	5.59	0.15
AV5449	691.75*	Max WS	UF_Tr200_D1_int	1.35	331.95	333.36		333.37	0.000118	0.32	0.07	0.09	4.63	7.82	0.10
AV5449	691.75*	Max WS	UF_Tr200_D3_int	1.60	331.95	333.39		333.40	0.000150	0.37	0.08	0.11	4.85	8.05	0.12
AV5449	691.75*	Max WS	UF_Tr200_D6_int	1.63	331.95	333.40		333.40	0.000151	0.37	0.08	0.12	4.89	8.10	0.12
AV5449	691.50	Max WS	UF_Tr200_D1_int	1.35	332.14	333.36		333.37	0.000245	0.35			3.80	6.32	0.15
AV5449	691.50	Max WS	UF_Tr200_D3_int	1.51	332.14	333.39		333.39	0.000275	0.38			3.97	6.46	0.16
AV5449	691.50	Max WS	UF_Tr200_D6_int	1.63	332.14	333.39		333.40	0.000314	0.41			4.00	6.49	0.17
AV5449	691.25*	Max WS	UF_Tr200_D1_int	1.34	331.75	333.36		333.36	0.000092	0.25	0.04	0.05	5.42	8.33	0.09
AV5449	691.25*	Max WS	UF_Tr200_D3_int	1.51	331.75	333.39		333.39	0.000103	0.27	0.05	0.06	5.64	8.69	0.10
AV5449	691.25*	Max WS	UF_Tr200_D6_int	1.63	331.75	333.39		333.40	0.000118	0.29	0.05	0.06	5.69	9.94	0.10
AV5449	691	Max WS	UF_Tr200_D1_int	1.34	331.35	333.36	332.09	333.36	0.000038	0.19	0.04	0.08	7.74	12.53	0.06
AV5449	691	Max WS	UF_Tr200_D3_int	1.48	331.35	333.39	332.13	333.39	0.000043	0.21	0.05	0.09	8.08	12.53	0.06
AV5449	691	Max WS	UF_Tr200_D6_int	1.60	331.35	333.39	332.16	333.39	0.000049	0.22	0.06	0.09	8.14	12.53	0.07
AV5449	690.5		Bridge												
AV5449	690.20	Max WS	UF_Tr200_D1_int	1.34	331.35	333.36		333.36	0.000039	0.19	0.04	0.08	7.69	12.53	0.06
AV5449	690.20	Max WS	UF_Tr200_D3_int	1.48	331.35	333.38		333.38	0.000043	0.21	0.05	0.09	8.02	12.53	0.06
AV5449	690.20	Max WS	UF_Tr200_D6_int	1.60	331.35	333.39		333.39	0.000050	0.22	0.06	0.09	8.08	12.53	0.07
AV5449	690	Max WS	UF_Tr200_D1_int	1.25	331.38	333.36	331.95	333.36	0.000028	0.18	0.05	0.04	7.51	9.71	0.05
AV5449	690	Max WS	UF_Tr200_D3_int	1.32	331.38	333.38	331.96	333.38	0.000029	0.19	0.06	0.05	7.77	9.85	0.05
AV5449	690	Max WS	UF_Tr200_D6_int	1.34	331.38	333.39	331.97	333.39	0.000029	0.19	0.06	0.05	7.83	9.88	0.05
AV5449	689.8		Bridge												
AV5449	689.73	Max WS	UF_Tr200_D1_int	1.25	331.38	333.35		333.36	0.000029	0.18	0.05	0.04	7.49	9.70	0.05
AV5449	689.73	Max WS	UF_Tr200_D3_int	1.32	331.38	333.38		333.38	0.000029	0.19	0.06	0.05	7.75	9.84	0.05
AV5449	689.73	Max WS	UF_Tr200_D6_int	1.34	331.38	333.39		333.39	0.000030	0.19	0.06	0.05	7.80	9.87	0.05
AV5449	689.6	Max WS	UF_Tr200_D1_int	1.18	331.14	333.35		333.36	0.000008	0.11	0.02	0.04	12.43	19.83	0.03
AV5449	689.6	Max WS	UF_Tr200_D3_int	1.15	331.14	333.38		333.38	0.000007	0.10	0.02	0.04	12.97	20.85	0.03
AV5449	689.6	Max WS	UF_Tr200_D6_int	1.11	331.14	333.39		333.39	0.000007	0.10	0.02	0.04	13.09	21.06	0.03
AV5449	689.25		Culvert												
AV5449	689	Max WS	UF_Tr200_D1_int	1.12	331.14	332.00		332.01	0.000388	0.49			2.30	3.85	0.18
AV5449	689	Max WS	UF_Tr200_D3_int	1.15	331.14	332.34		332.35	0.000113	0.34			3.38	4.72	0.11
AV5449	689	Max WS	UF_Tr200_D6_int	1.09	331.14	332.46		332.47	0.000070	0.29			3.77	5.10	0.08
AV5449	688.83*	Max WS	UF_Tr200_D1_int	1.37	331.09	331.97		331.99	0.001164	0.69			1.98	3.65	0.30
AV5449	688.83*	Max WS	UF_Tr200_D3_int	1.58	331.09	332.33		332.34	0.000347	0.45			3.51	4.95	0.17
AV5449	688.83*	Max WS	UF_Tr200_D6_int	1.52	331.09	332.45		332.46	0.000210	0.37			4.15	5.49	0.13
AV5449	688.67*	Max WS	UF_Tr200_D1_int	1.37	331.05	331.94		331.97	0.001807	0.78			1.75	3.86	0.37
AV5449	688.67*	Max WS	UF_Tr200_D3_int	1.34	331.05	332.33		332.34	0.000197	0.35	0.07	0.12	4.41	10.71	0.13
AV5449	688.67*	Max WS	UF_Tr200_D6_int	0.69	331.05	332.45		332.45	0.000026	0.14	0.03	0.06	5.89	13.45	0.05

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	688.50	Max WS	UF_Tr200_D1_int	1.32	331.00	331.93		331.95	0.000739	0.54	0.13	0.26	3.02	10.26	0.25
AV5449	688.50	Max WS	UF_Tr200_D3_int	0.90	331.00	332.33		332.33	0.000026	0.15	0.07	0.10	7.74	12.30	0.05
AV5449	688.50	Max WS	UF_Tr200_D6_int	-0.42	331.00	332.44		332.44	0.000003	-0.06	-0.03	-0.04	9.11	12.30	0.02
AV5449	688.42*	Max WS	UF_Tr200_D1_int	1.29	330.86	331.93		331.94	0.000377	0.44	0.11	0.19	3.67	10.84	0.18
AV5449	688.42*	Max WS	UF_Tr200_D3_int	1.56	330.86	332.33		332.33	0.000057	0.24	0.11	0.14	8.54	12.58	0.08
AV5449	688.42*	Max WS	UF_Tr200_D6_int	-0.28	330.86	332.44		332.44	0.000001	-0.04	-0.02	-0.02	9.93	12.58	0.01
AV5449	688.33*	Max WS	UF_Tr200_D1_int	1.24	330.72	331.93		331.94	0.000208	0.36	0.10	0.14	4.33	11.46	0.13
AV5449	688.33*	Max WS	UF_Tr200_D3_int	1.83	330.72	332.33		332.33	0.000060	0.26	0.12	0.15	9.35	12.87	0.08
AV5449	688.33*	Max WS	UF_Tr200_D6_int	-1.57	330.72	332.43		332.44	0.000030	-0.19	-0.09	-0.12	10.72	12.87	0.06
AV5449	688.25*	Max WS	UF_Tr200_D1_int	1.17	330.58	331.93		331.94	0.000118	0.30	0.08	0.11	5.01	12.11	0.10
AV5449	688.25*	Max WS	UF_Tr200_D3_int	0.39	330.58	332.33		332.33	0.000002	0.05	0.02	0.03	10.22	13.16	0.01
AV5449	688.25*	Max WS	UF_Tr200_D6_int	-3.54	330.58	332.43		332.44	0.000121	-0.41	-0.19	-0.23	11.54	13.16	0.11
AV5449	688.16*	Max WS	UF_Tr200_D1_int	0.92	330.43	331.93		331.94	0.000050	0.21	0.04	0.07	5.72	13.45	0.07
AV5449	688.16*	Max WS	UF_Tr200_D3_int	-2.15	330.43	332.33		332.33	0.000051	-0.26	-0.12	-0.14	11.00	13.45	0.07
AV5449	688.16*	Max WS	UF_Tr200_D6_int	-6.58	330.43	332.42		332.44	0.000353	-0.71	-0.34	-0.40	12.26	13.45	0.19
AV5449	688.08	Max WS	UF_Tr200_D1_int	0.15	330.29	331.94		331.94	0.000001	0.03	0.01	0.01	6.50	13.73	0.01
AV5449	688.08	Max WS	UF_Tr200_D3_int	-4.10	330.29	332.31		332.32	0.000159	-0.47	-0.21	-0.25	11.65	13.73	0.12
AV5449	688.08	Max WS	UF_Tr200_D6_int	-9.93	330.29	332.40		332.44	0.000705	-1.03	-0.47	-0.56	12.86	13.73	0.26
AV5449	688.04			Culvert											
AV5449	688	Max WS	UF_Tr200_D1_int	0.25	330.11	331.93		331.93	0.000002	0.05	0.01	0.01	6.33	16.02	0.01
AV5449	688	Max WS	UF_Tr200_D3_int	-4.65	330.11	332.33		332.34	0.000173	-0.51	-0.24	-0.22	12.65	16.02	0.12
AV5449	688	Max WS	UF_Tr200_D6_int	-9.93	330.11	332.43		332.47	0.000569	-0.96	-0.47	-0.45	14.33	16.02	0.23
AV5449	687	Max WS	UF_Tr200_D1_int	-0.16	329.91	331.94		331.94	0.000001	-0.02	-0.01	-0.01	8.01	14.02	0.01
AV5449	687	Max WS	UF_Tr200_D3_int	-6.65	329.91	332.32		332.33	0.000271	-0.62	-0.28	-0.29	13.29	14.02	0.16
AV5449	687	Max WS	UF_Tr200_D6_int	-13.23	329.91	332.42		332.47	0.000809	-1.11	-0.51	-0.56	14.72	14.02	0.27



ALLEGATI

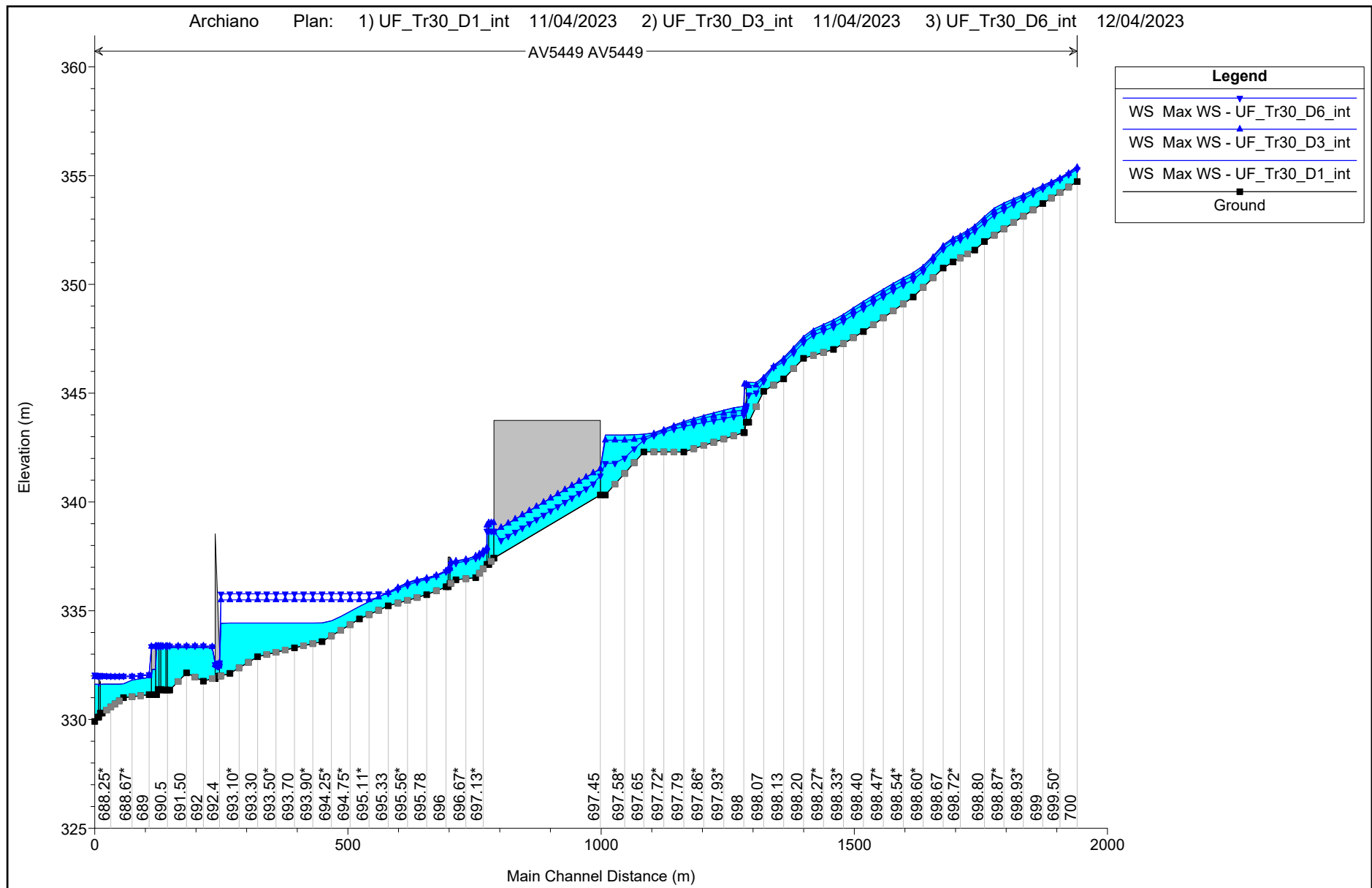
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

AV5449

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





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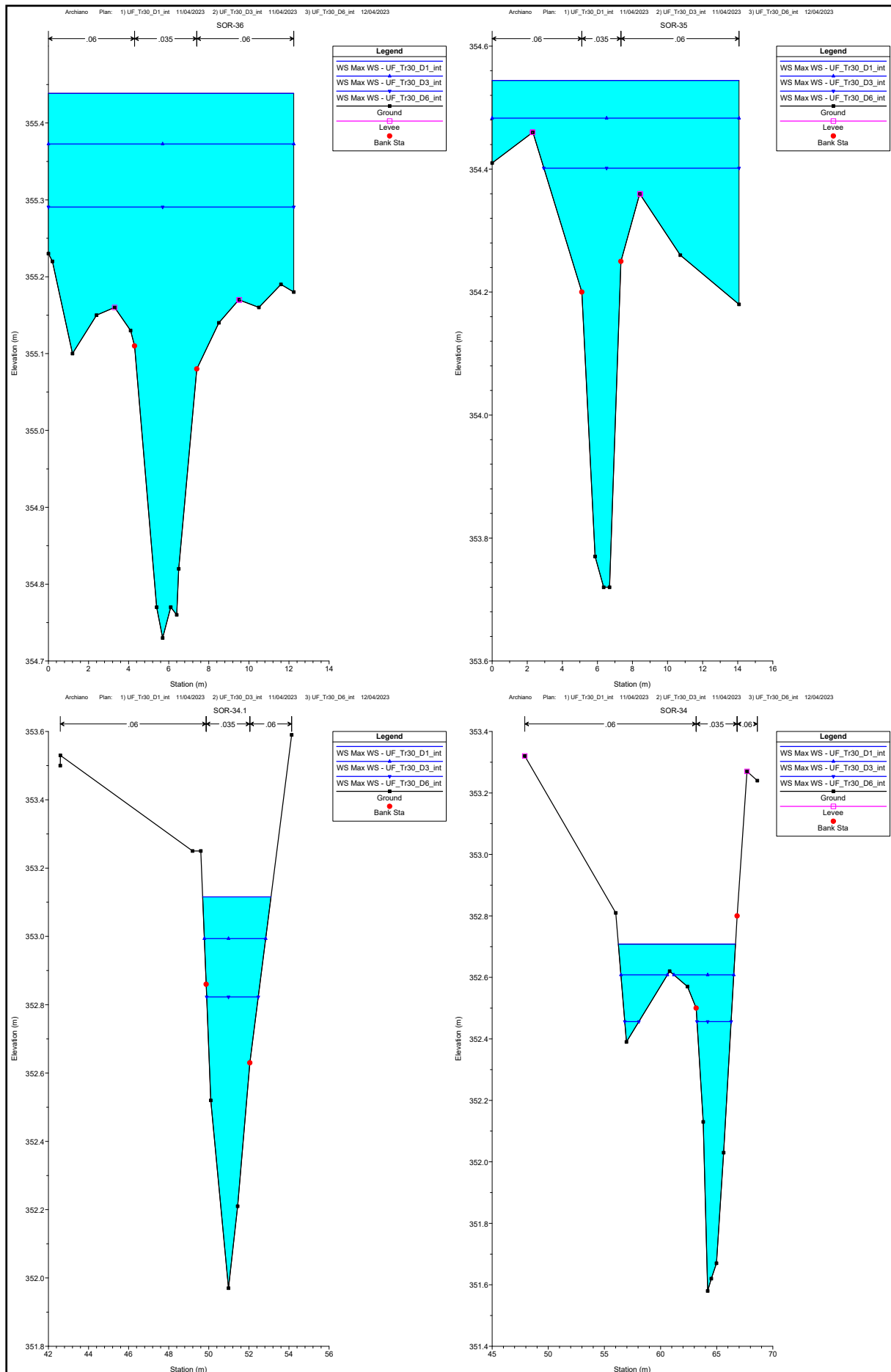
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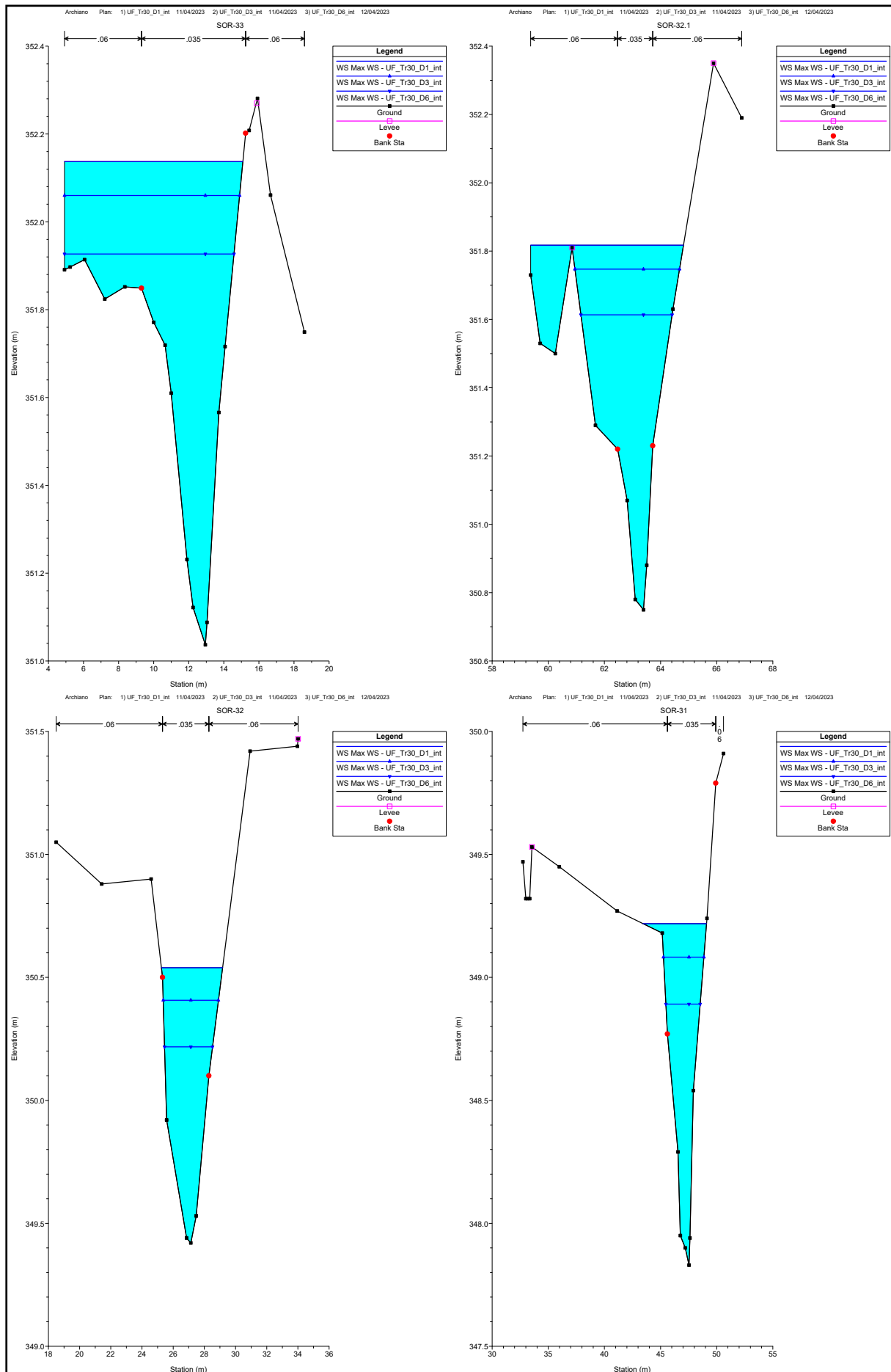
AV5449

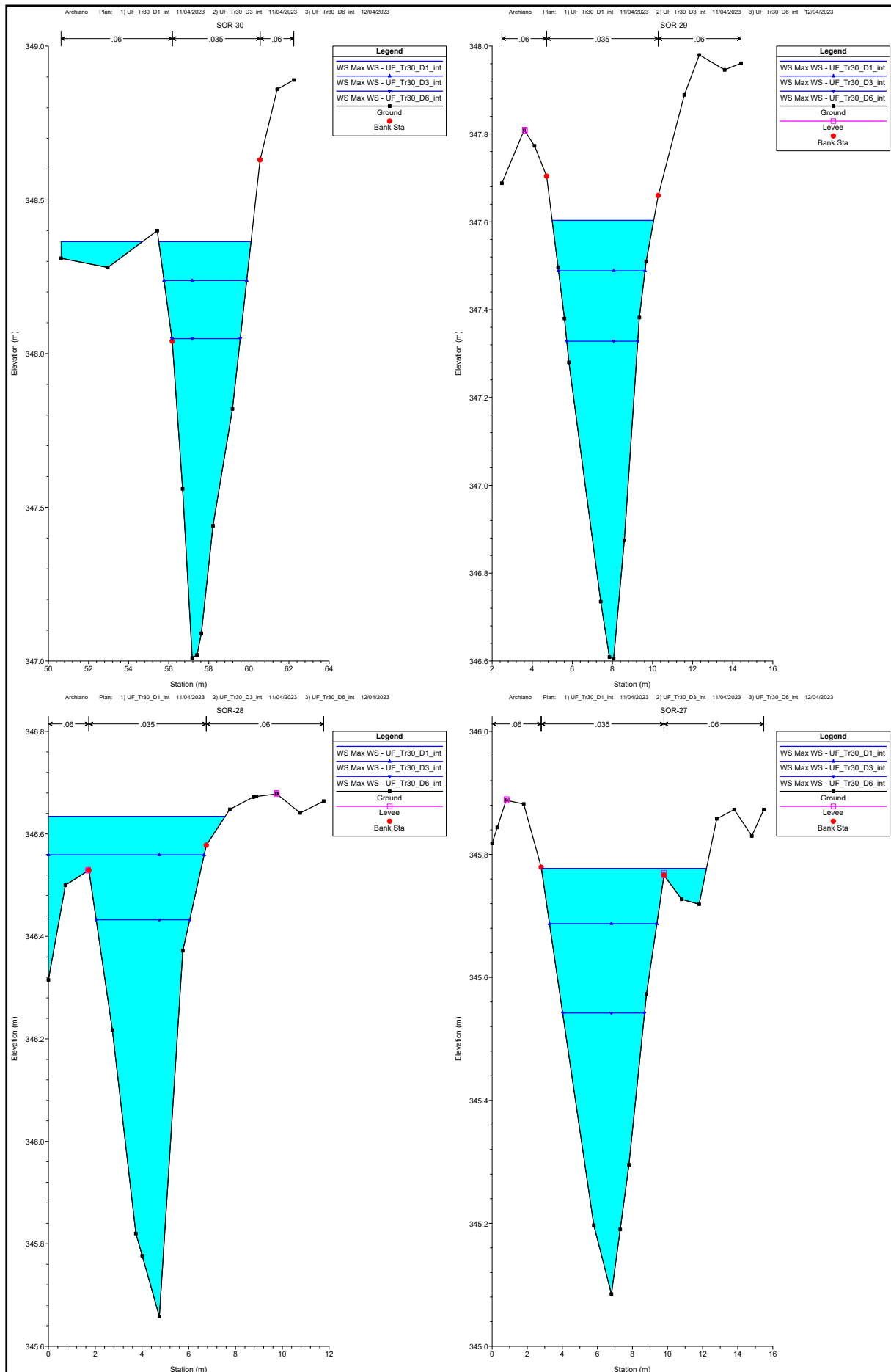
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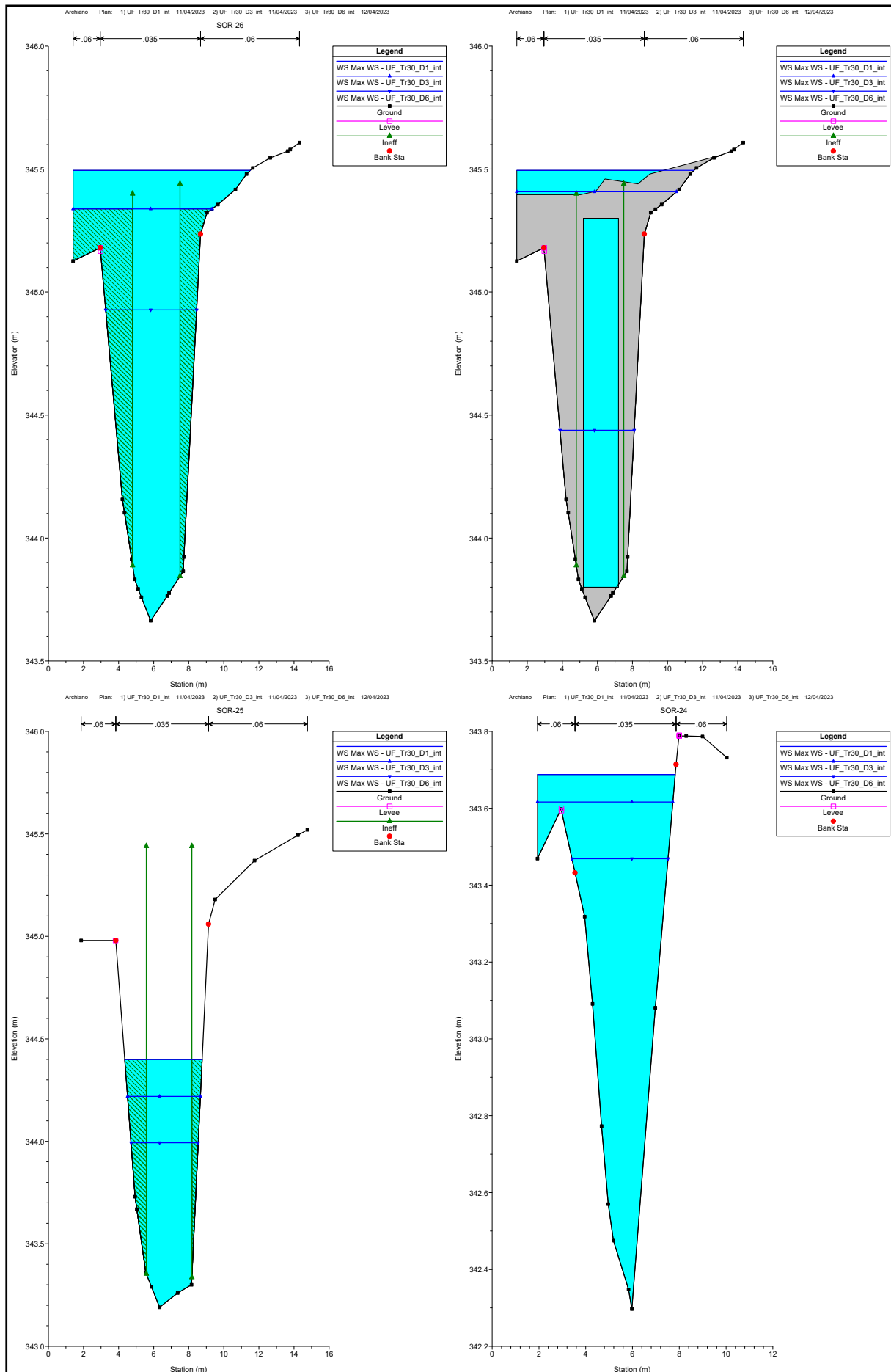
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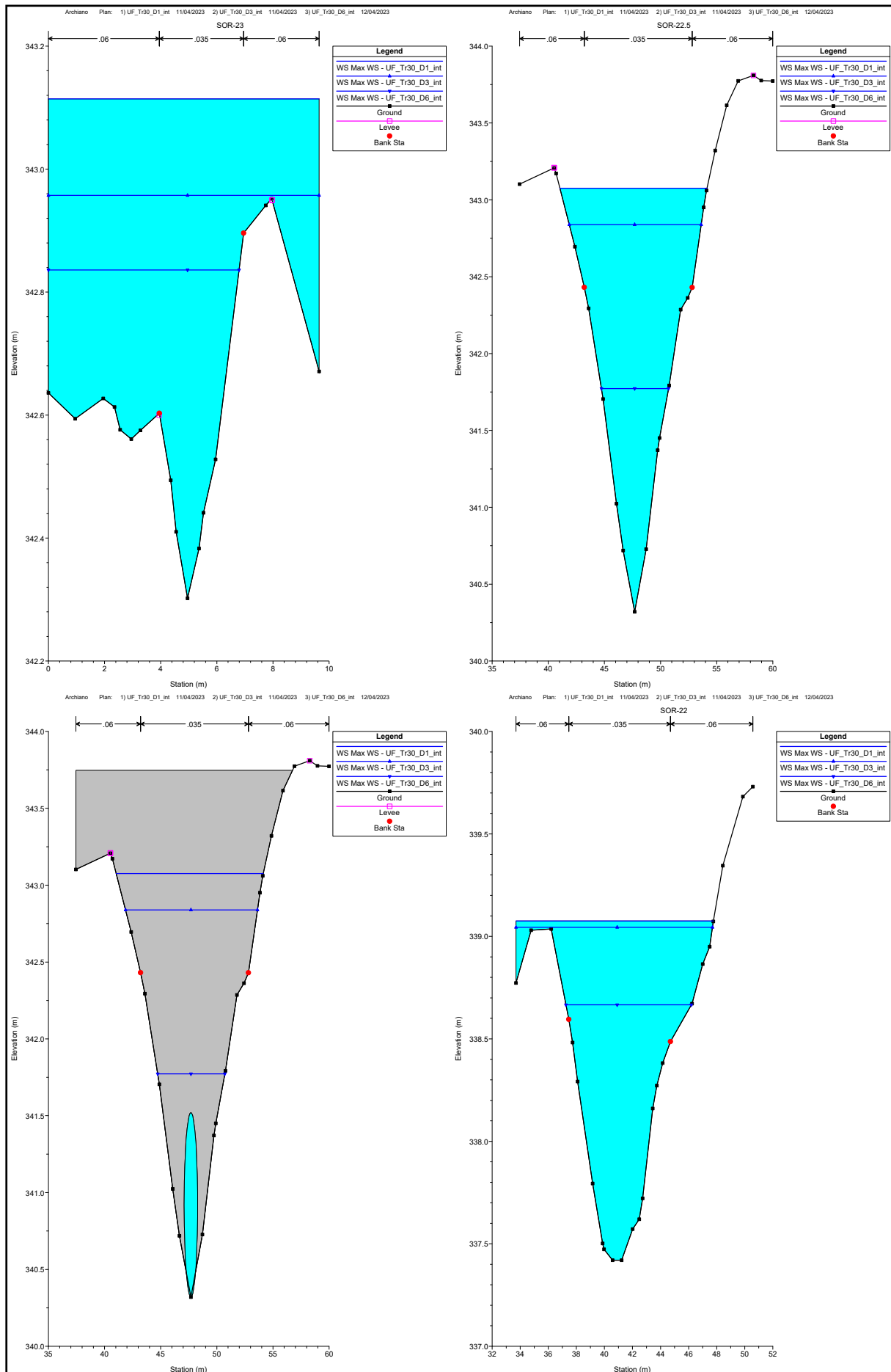
Sezioni Trasversali (da monte verso valle)

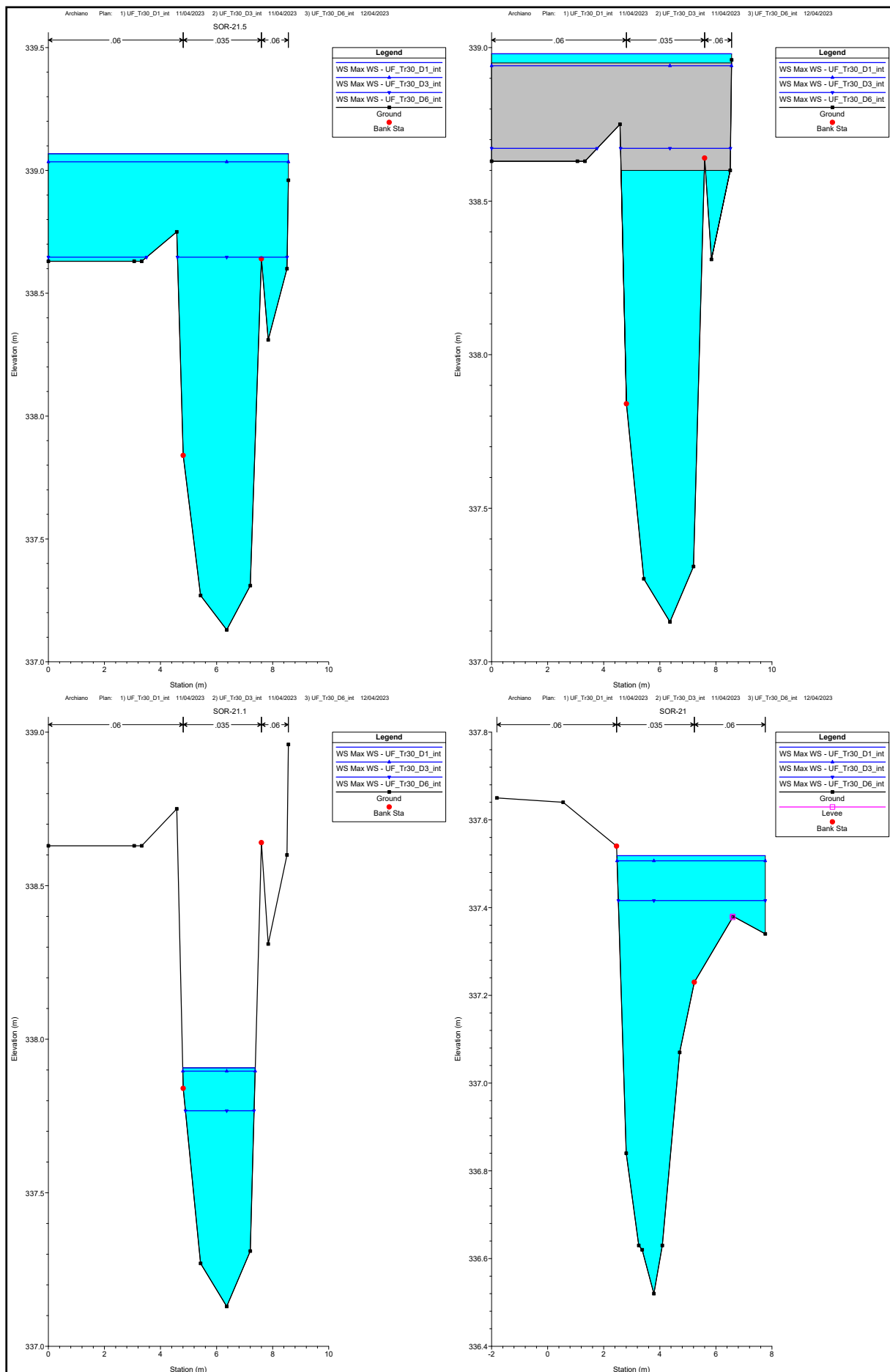


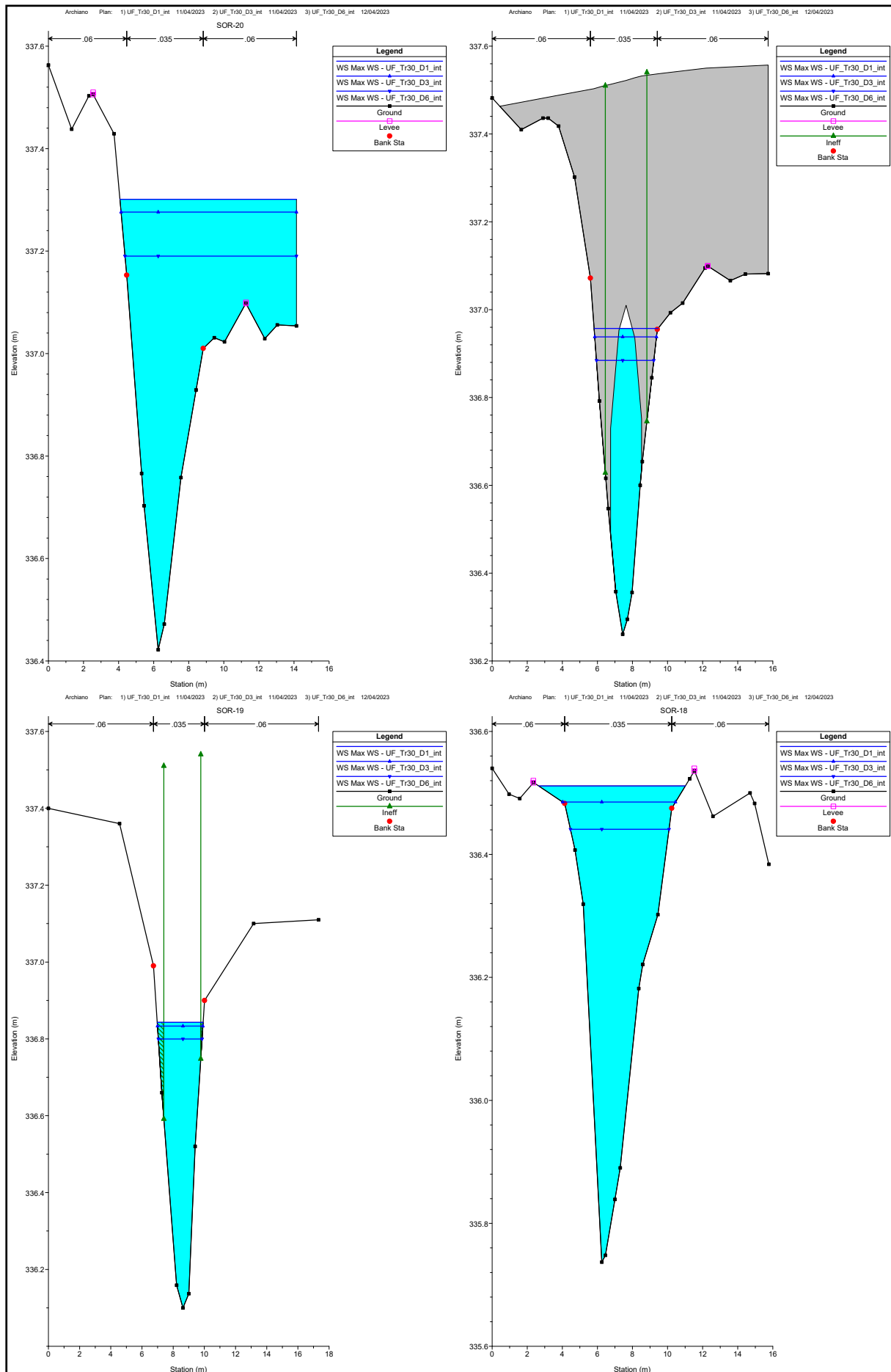


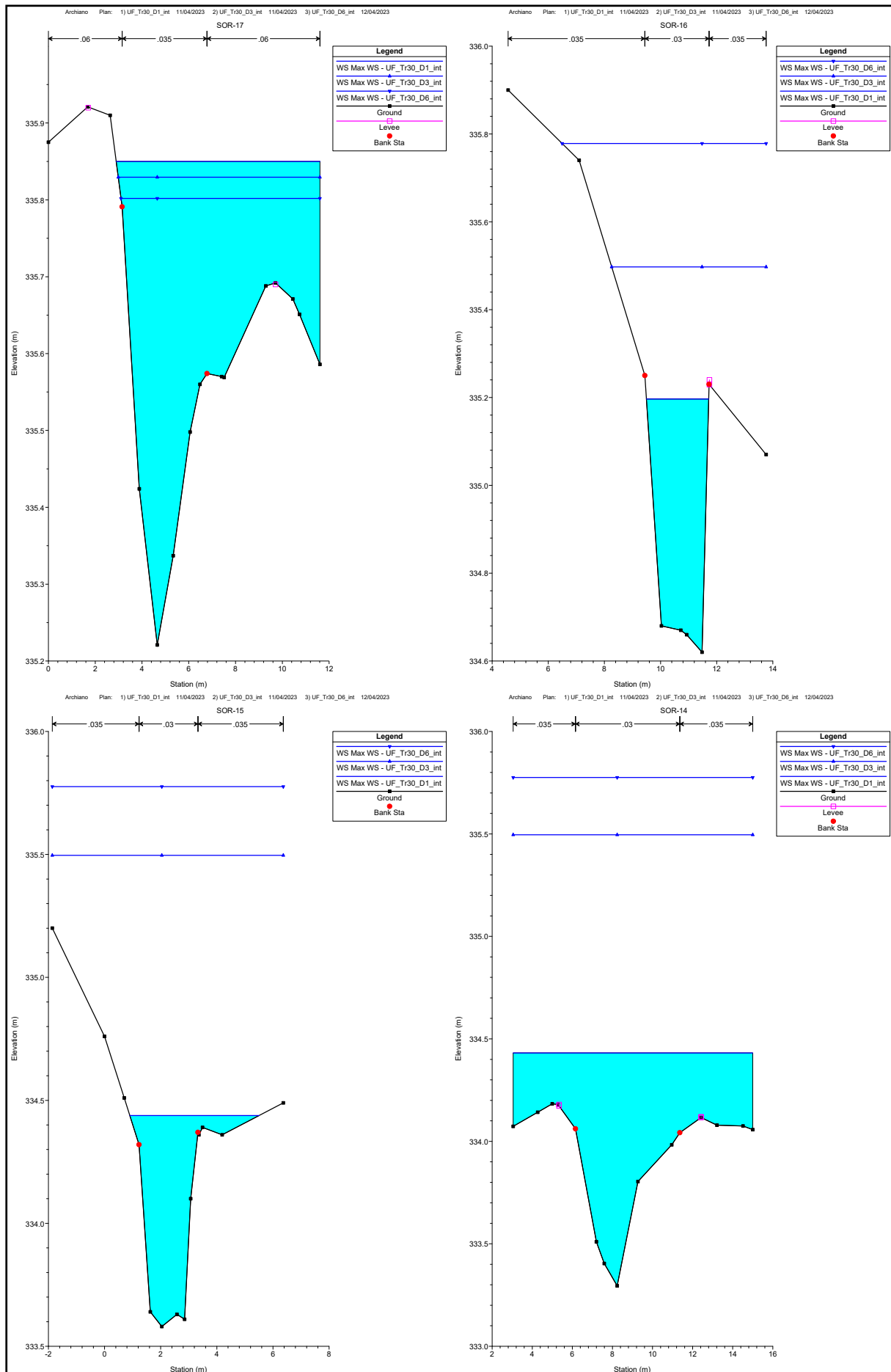


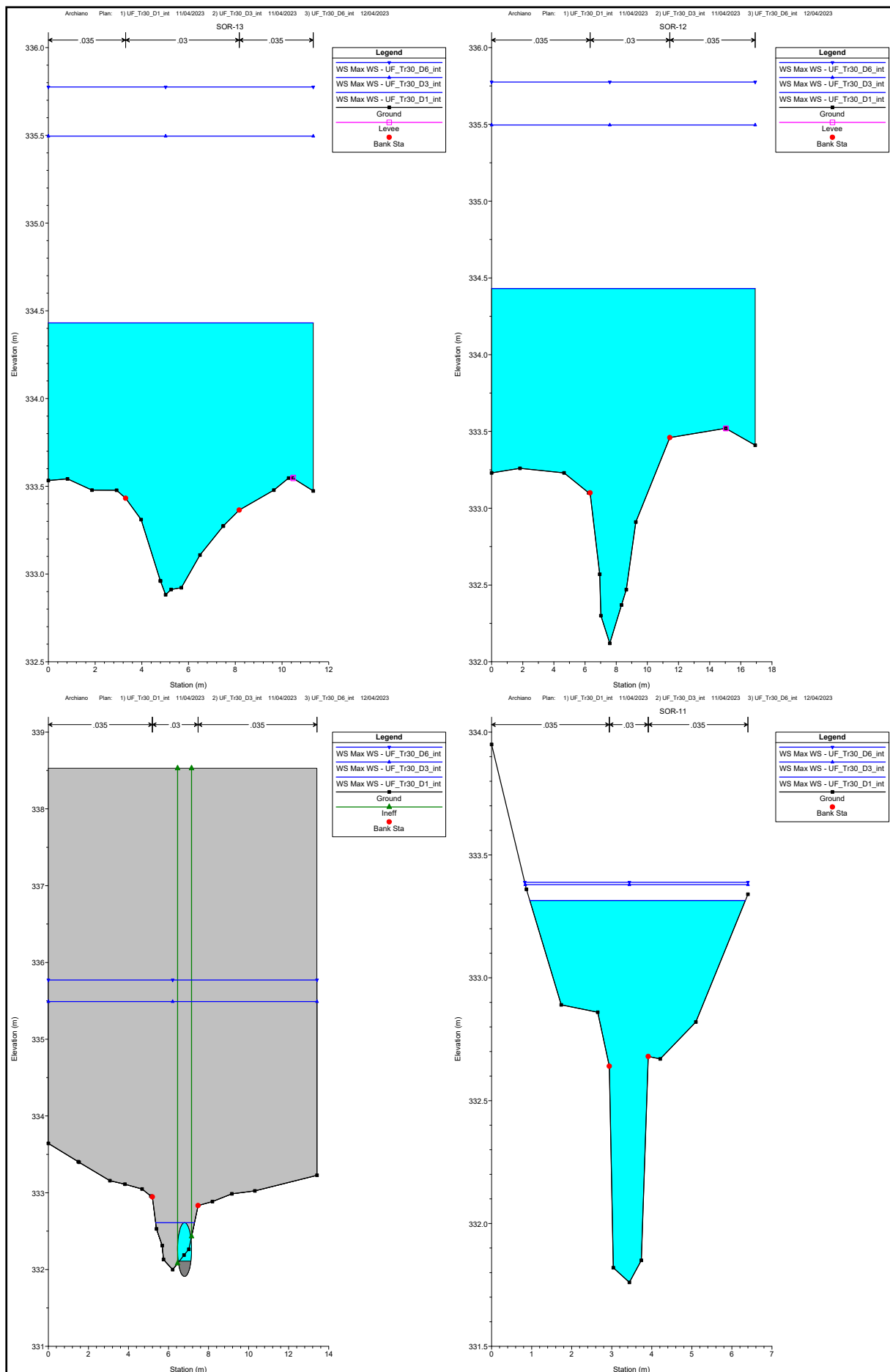


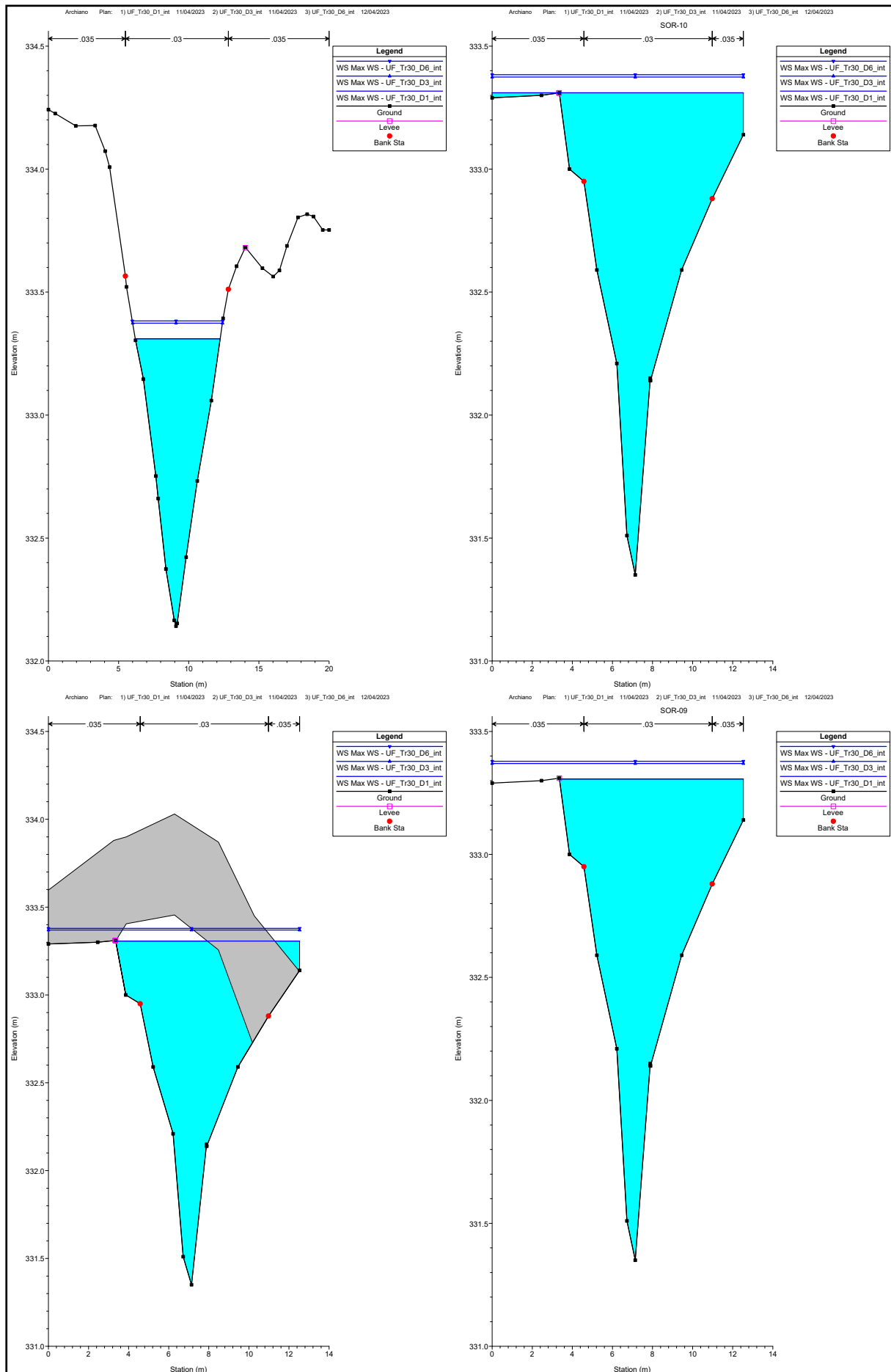


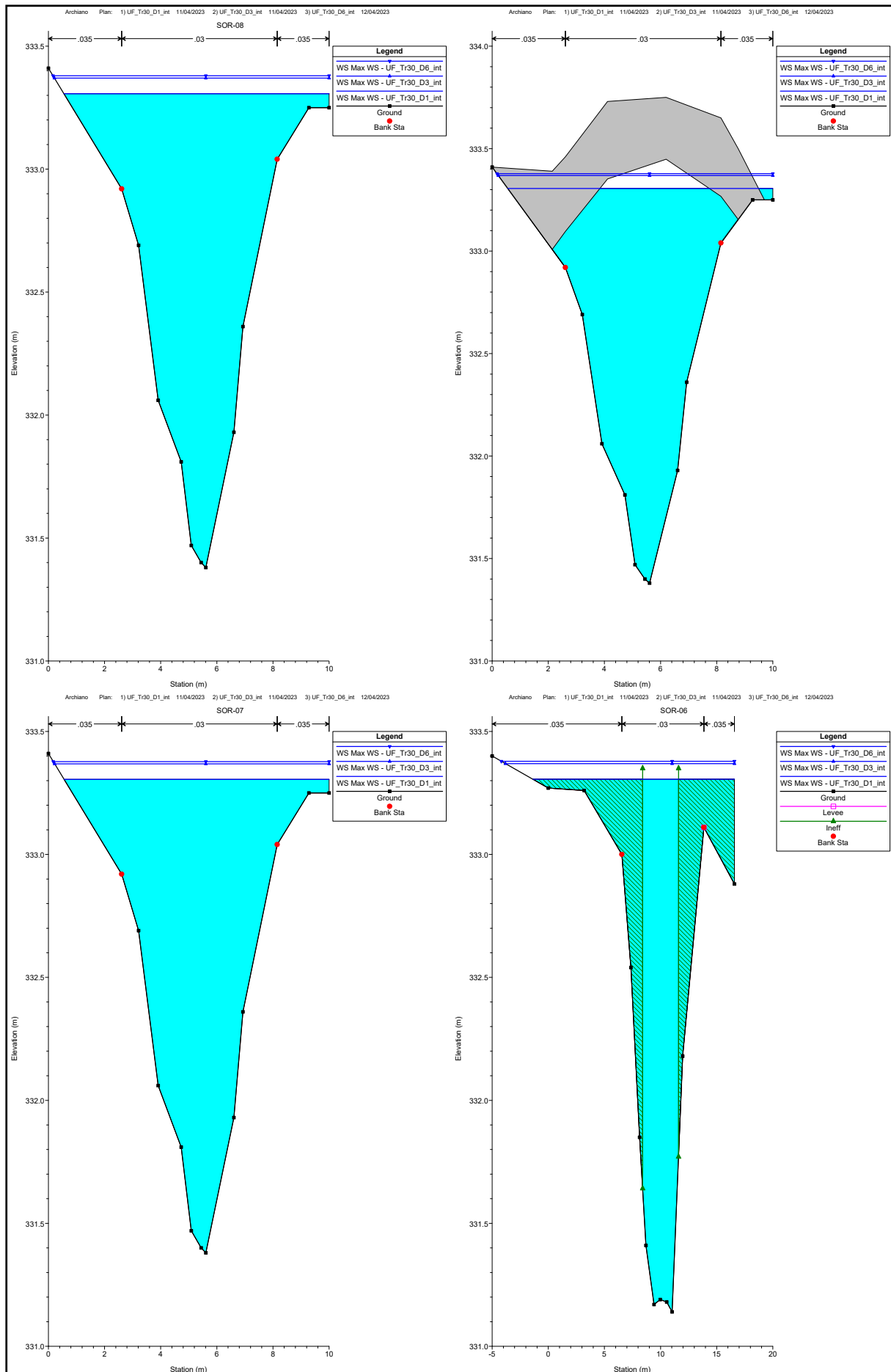


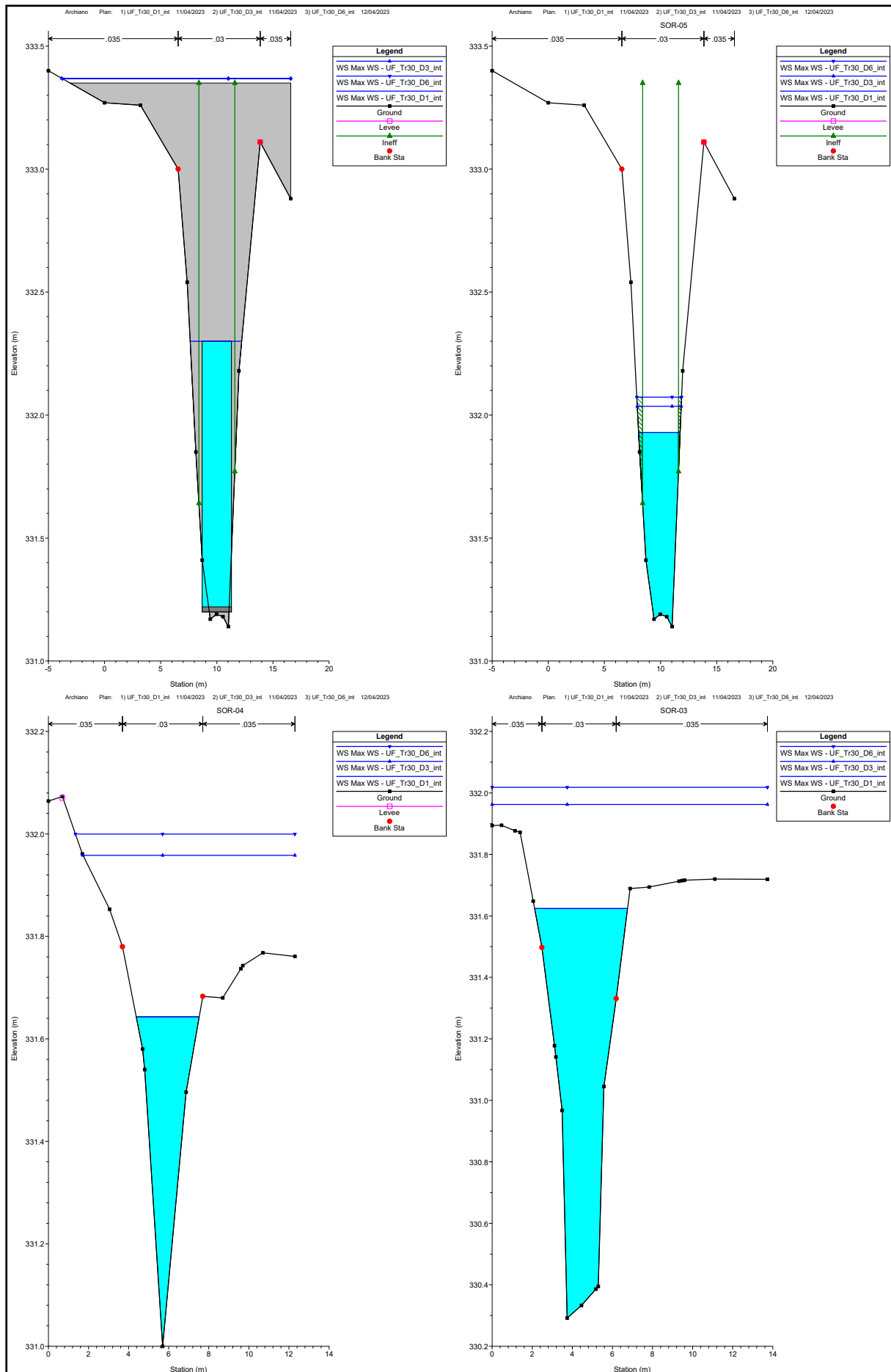


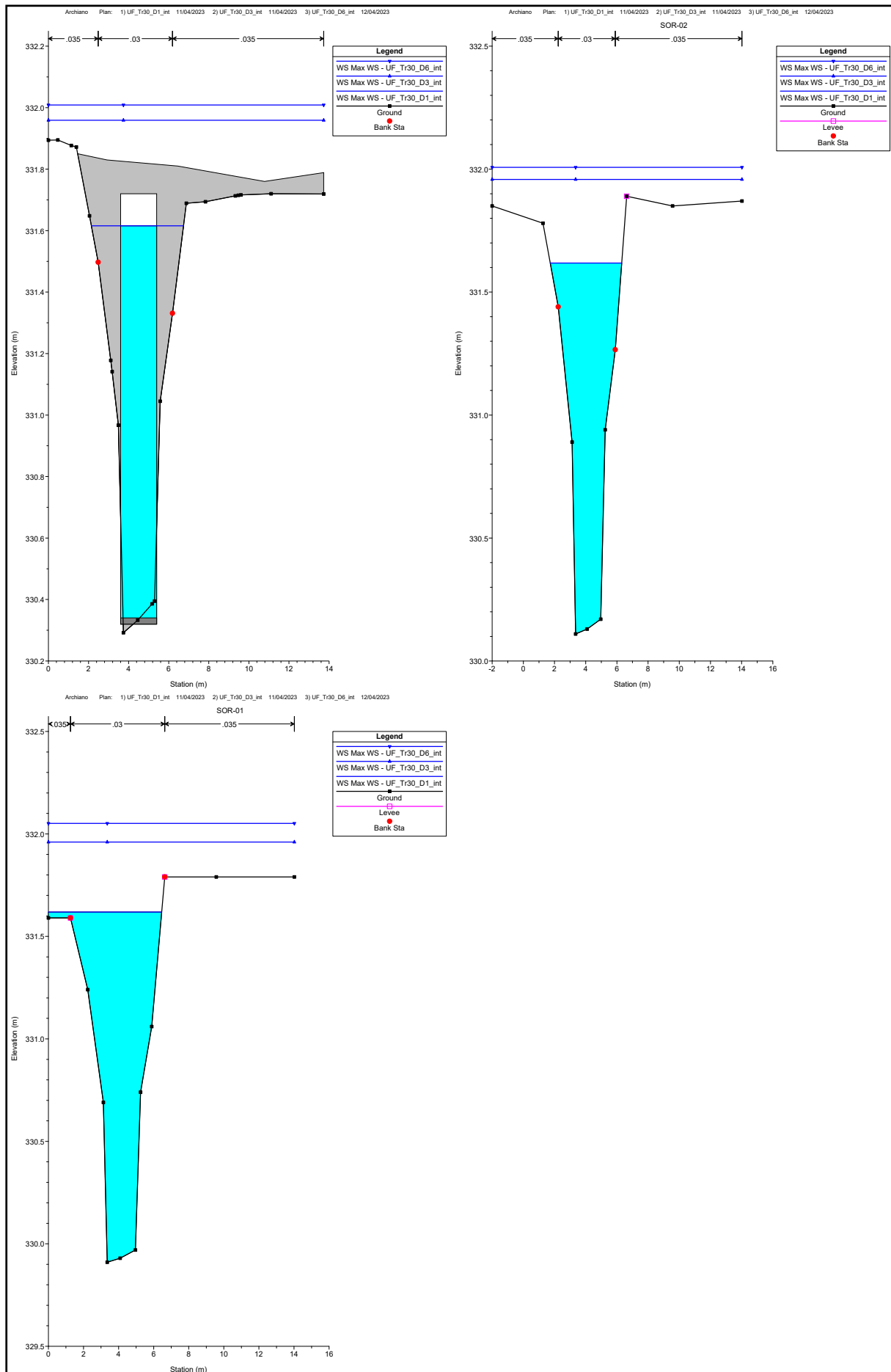














ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

AV5449

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	700	Max WS	UF_Tr30_D1_int	7.30	354.73	355.44	355.49	355.70	0.020227	2.70	1.01	0.99	4.36	12.24	1.15
AV5449	700	Max WS	UF_Tr30_D3_int	5.20	354.73	355.37	355.41	355.58	0.017989	2.34	0.81	0.79	3.55	12.24	1.06
AV5449	700	Max WS	UF_Tr30_D6_int	3.20	354.73	355.29	355.32	355.45	0.015879	1.95	0.57	0.55	2.55	12.24	0.97
AV5449	699.9		Lat Struct												
AV5449	699.8		Lat Struct												
AV5449	699.75	Max WS	UF_Tr30_D1_int	4.44	354.48	355.14	355.17	355.32	0.015711	2.18	0.66	0.71	3.34	12.70	0.99
AV5449	699.75	Max WS	UF_Tr30_D3_int	3.51	354.48	355.10	355.13	355.25	0.014724	2.00	0.54	0.60	2.84	12.70	0.94
AV5449	699.75	Max WS	UF_Tr30_D6_int	2.60	354.48	355.05	355.08	355.19	0.013659	1.79	0.41	0.46	2.25	12.70	0.89
AV5449	699.50	Max WS	UF_Tr30_D1_int	3.65	354.23	354.91	354.92	355.05	0.012276	1.94	0.50	0.61	3.16	13.15	0.87
AV5449	699.50	Max WS	UF_Tr30_D3_int	3.04	354.23	354.86	354.89	355.01	0.013309	1.91	0.41	0.54	2.61	13.15	0.89
AV5449	699.50	Max WS	UF_Tr30_D6_int	2.49	354.23	354.82	354.86	354.97	0.014341	1.86	0.30	0.46	2.06	13.15	0.91
AV5449	699.25	Max WS	UF_Tr30_D1_int	3.84	353.97	354.73		354.85	0.009260	1.81	0.46	0.60	3.71	13.61	0.76
AV5449	699.25	Max WS	UF_Tr30_D3_int	3.03	353.97	354.67	354.68	354.79	0.010355	1.78	0.36	0.53	2.88	13.61	0.79
AV5449	699.25	Max WS	UF_Tr30_D6_int	2.34	353.97	354.60	354.62	354.74	0.012479	1.78	0.35	0.43	2.00	10.96	0.84
AV5449	699	Max WS	UF_Tr30_D1_int	4.62	353.72	354.54	354.55	354.68	0.010170	1.99	0.50	0.69	4.19	14.07	0.79
AV5449	699	Max WS	UF_Tr30_D3_int	3.63	353.72	354.48	354.50	354.62	0.010834	1.92	0.38	0.61	3.32	14.07	0.80
AV5449	699	Max WS	UF_Tr30_D6_int	2.54	353.72	354.40	354.42	354.53	0.011495	1.79	0.39	0.46	2.27	11.12	0.80
AV5449	698.97	Max WS	UF_Tr30_D1_int	4.84	353.43	354.33	354.37	354.52	0.011273	2.19	0.44	0.70	3.82	13.65	0.83
AV5449	698.97	Max WS	UF_Tr30_D3_int	3.89	353.43	354.27	354.32	354.45	0.011764	2.11	0.43	0.61	2.98	12.56	0.84
AV5449	698.97	Max WS	UF_Tr30_D6_int	2.63	353.43	354.17	354.21	354.35	0.012615	1.95	0.32	0.40	1.92	9.83	0.84
AV5449	698.93	Max WS	UF_Tr30_D1_int	4.77	353.14	354.13	354.17	354.33	0.010659	2.23	0.33	0.66	3.46	13.23	0.82
AV5449	698.93	Max WS	UF_Tr30_D3_int	3.87	353.14	354.05	354.09	354.26	0.011977	2.19	0.37	0.55	2.60	9.81	0.85
AV5449	698.93	Max WS	UF_Tr30_D6_int	2.63	353.14	353.93	353.95	354.13	0.013484	2.04	0.22	0.34	1.55	6.69	0.87
AV5449	698.90	Max WS	UF_Tr30_D1_int	4.92	352.85	353.93	353.94	354.15	0.009549	2.22	0.36	0.63	3.35	10.60	0.78
AV5449	698.90	Max WS	UF_Tr30_D3_int	3.88	352.85	353.82	353.83	354.05	0.011304	2.20	0.28	0.54	2.34	7.75	0.82
AV5449	698.90	Max WS	UF_Tr30_D6_int	2.63	352.85	353.67	353.65	353.88	0.013175	2.03	0.27	0.39	1.46	4.40	0.86
AV5449	698.87	Max WS	UF_Tr30_D1_int	5.69	352.55	353.74	353.75	354.01	0.010994	2.48	0.38	0.72	3.23	8.96	0.83
AV5449	698.87	Max WS	UF_Tr30_D3_int	4.21	352.55	353.60	353.58	353.86	0.011870	2.31	0.24	0.61	2.23	5.69	0.84
AV5449	698.87	Max WS	UF_Tr30_D6_int	2.67	352.55	353.43	353.38	353.63	0.012799	2.01	0.22	0.43	1.45	3.66	0.84
AV5449	698.83	Max WS	UF_Tr30_D1_int	6.25	352.26	353.50	353.55	353.86	0.013566	2.78	0.33	0.84	2.85	6.81	0.92
AV5449	698.83	Max WS	UF_Tr30_D3_int	4.53	352.26	353.36	353.35	353.66	0.013342	2.47	0.38	0.69	2.12	4.06	0.89
AV5449	698.83	Max WS	UF_Tr30_D6_int	2.76	352.26	353.18	353.13	353.39	0.012851	2.04	0.18	0.48	1.46	3.22	0.83
AV5449	698.80	Max WS	UF_Tr30_D1_int	6.45	351.97	353.12	353.30	353.72	0.026887	3.52	0.48	1.00	2.04	3.41	1.25
AV5449	698.80	Max WS	UF_Tr30_D3_int	4.66	351.97	352.99	353.09	353.45	0.025044	3.04	0.30	0.79	1.64	3.06	1.17
AV5449	698.80	Max WS	UF_Tr30_D6_int	2.83	351.97	352.82	352.87	353.14	0.024344	2.51		0.51	1.16	2.57	1.11
AV5449	698.77	Max WS	UF_Tr30_D1_int	6.45	351.58	352.71	352.76	352.97	0.015620	2.42	0.65		3.55	10.44	0.95
AV5449	698.77	Max WS	UF_Tr30_D3_int	4.66	351.58	352.61	352.67	352.85	0.015227	2.22	0.43		2.53	9.48	0.92
AV5449	698.77	Max WS	UF_Tr30_D6_int	2.83	351.58	352.46	352.40	352.63	0.013890	1.87	0.20		1.55	4.30	0.85
AV5449	698.75	Max WS	UF_Tr30_D1_int	6.45	351.40	352.49	352.52	352.74	0.015199	2.32	0.64		3.49	9.79	0.96
AV5449	698.75	Max WS	UF_Tr30_D3_int	4.66	351.40	352.39	352.43	352.61	0.014972	2.11	0.41		2.58	9.28	0.93
AV5449	698.75	Max WS	UF_Tr30_D6_int	2.83	351.40	352.26	352.21	352.42	0.014204	1.79	0.17		1.60	4.78	0.88
AV5449	698.72	Max WS	UF_Tr30_D1_int	6.45	351.22	352.28	352.30	352.50	0.013635	2.15	0.57		3.66	10.60	0.92
AV5449	698.72	Max WS	UF_Tr30_D3_int	4.66	351.22	352.19	352.19	352.37	0.012775	1.91	0.42		2.80	9.16	0.87
AV5449	698.72	Max WS	UF_Tr30_D6_int	2.83	351.22	352.06		352.20	0.012881	1.64	0.15		1.75	5.60	0.84
AV5449	698.70	Max WS	UF_Tr30_D1_int	5.97	351.04	352.14		352.25	0.006624	1.56	0.55		4.60	10.17	0.65
AV5449	698.70	Max WS	UF_Tr30_D3_int	4.50	351.04	352.06		352.15	0.006075	1.40	0.42		3.82	9.98	0.61
AV5449	698.70	Max WS	UF_Tr30_D6_int	2.83	351.04	351.93		352.00	0.006422	1.24	0.21		2.51	9.66	0.61
AV5449	698.67	Max WS	UF_Tr30_D1_int	5.00	350.75	351.82	351.93	352.24	0.024191	3.32	1.12	1.04	2.38	5.45	1.15
AV5449	698.67	Max WS	UF_Tr30_D3_int	4.14	350.75	351.75	351.87	352.18	0.025702	3.24	1.29	0.98	1.78	3.73	1.16
AV5449	698.67	Max WS	UF_Tr30_D6_int	2.83	350.75	351.61	351.69	351.96	0.025413	2.84	1.09	0.81	1.32	3.25	1.12
AV5449	698.64	Max WS	UF_Tr30_D1_int	5.00	350.31	351.31	351.47	351.83	0.025564	3.31	0.78	0.92	1.86	4.31	1.21
AV5449	698.64	Max WS	UF_Tr30_D3_int	4.14	350.31	351.24	351.38	351.71	0.026182	3.13	0.61	0.83	1.55	3.92	1.20
AV5449	698.64	Max WS	UF_Tr30_D6_int	2.83	350.31	351.11	351.21	351.48	0.025985	2.71	0.41	0.63	1.11	2.69	1.16
AV5449	698.60	Max WS	UF_Tr30_D1_int	5.14	349.86	350.86	350.93	351.27	0.020390	2.88	0.34	0.73	1.90	3.40	1.08
AV5449	698.60	Max WS	UF_Tr30_D3_int	4.15	349.86	350.75	350.82	351.13	0.022915	2.75	0.08	0.62	1.56	2.96	1.11
AV5449	698.60	Max WS	UF_Tr30_D6_int	2.83	349.86	350.60	350.66	350.92	0.026001	2.52		0.38	1.14	2.55	1.16
AV5449	698.57	Max WS	UF_Tr30_D1_int	6.03	349.42	350.54		350.83	0.012141	2.42	0.12	0.62	2.64	3.92	0.85
AV5449	698.57	Max WS	UF_Tr30_D3_int	4.56	349.42	350.41		350.65	0.012175	2.20		0.49	2.15	3.54	0.84
AV5449	698.57	Max WS	UF_Tr30_D6_int	2.85	349.42	350.22		350.40	0.012547	1.89		0.26	1.52	3.08	0.83
AV5449	698.54	Max WS	UF_Tr30_D1_int	6.43	349.10	350.30		350.60	0.012275	2.43	0.28	0.44	2.72	3.99	0.86
AV5449	698.54	Max WS	UF_Tr30_D3_int	4.77	349.10	350.17		350.40	0.012278	2.16	0.06	0.28	2.23	3.52	0.83
AV5449	698.54	Max WS	UF_Tr30_D6_int	2.93	349.10	349.97		350.15	0.012330	1.84			1.59	3.05	0.81
AV5449	698.50	Max WS	UF_Tr30_D1_int	6.79	348.78	350.04	349.99	350.36	0.013554	2.47	0.40	0.19	2.78	3.97	0.89
AV5449	698.50	Max WS	UF_Tr30_D3_int	5.10	348.78	349.91		350.17	0.013902	2.25	0.23		2.28	3.55	0.88
AV5449	698.50	Max WS	UF_Tr30_D6_int	3.19	348.78	349.72		349.91	0.013778	1.95			1.64	3.07	0.85
AV5449	698.47	Max WS	UF_Tr30_D1_int	6.79	348.47	349.77	349.72	350.08	0.013901	2.46	0.45		2.81	4.03	0.90
AV5449	698.47	Max WS	UF_Tr30_D3_int	5.10	348.47	349.63		349.89	0.013956	2.25	0.33		2.28	3.59	0.88
AV5449	698.47	Max WS	UF_Tr30_D6_int	3.19	348.47	349.44		349.64	0.014156	1.95			1.64	3.07	0.85
AV5449	698.43	Max WS	UF_Tr30_D1_int	6.79	348.15	349.50	349.45	349.81	0.014061	2.47	0.43		2.82	4.29	0.90
AV5449	698.43	Max WS	UF_Tr30_D3_int	5.10	348.15	349.36		349.62	0.014109	2.26	0.41		2.29	3.62	0.88
AV5449	698.43	Max WS	UF_Tr30_D6_int	3.19	348.15	349.16		349.36	0.014246	1.95	0.14		1.63	3.06	0.85
AV5449	698.40	Max WS	UF_Tr30_D1_int	6.79	347.83	349.22	349.17	349.53	0.014574	2.49	0.32		2.85	5.65	0.90
AV5449	698.40	Max WS	UF_Tr30_D3_int	5.10	347.83	349.08		349.34	0.014102	2.26	0.47		2.30	3.60	0.87
AV5449	698.40	Max WS	UF_Tr30_D6_int	3.19	347.83	348.89		349.08	0.013441	1.92	0.25		1.67	3.05	0.81
AV5449	698.37	Max WS	UF_Tr30_D1_int	6.79	347.56	348.92	348.90	349.25	0.015638	2.55	0.44		2.77	4.84	0.95
AV5449	698.37	Max WS	UF_Tr30_D3_int	5.10	347.56	348.79	348.76	349.07	0.015533	2.33	0.46		2.23	3.71	0.93
AV5449	698.37	Max WS	UF_Tr30												

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	698.30	Max WS	UF_Tr30_D1_int	6.81	347.01	348.36	348.25	348.61	0.010887	2.22	0.33		3.36	8.65	0.81
AV5449	698.30	Max WS	UF_Tr30_D3_int	5.11	347.01	348.24		348.44	0.010475	2.01	0.34		2.58	4.12	0.78
AV5449	698.30	Max WS	UF_Tr30_D6_int	3.19	347.01	348.05		348.20	0.010167	1.71	0.04		1.87	3.41	0.74
AV5449	698.27*	Max WS	UF_Tr30_D1_int	6.84	346.87	348.16	348.05	348.39	0.010560	2.15	0.26		3.33	7.89	0.81
AV5449	698.27*	Max WS	UF_Tr30_D3_int	5.12	346.87	348.04		348.23	0.010179	1.94	0.23		2.66	4.50	0.78
AV5449	698.27*	Max WS	UF_Tr30_D6_int	3.19	346.87	347.86		348.00	0.009916	1.67			1.91	3.76	0.75
AV5449	698.23*	Max WS	UF_Tr30_D1_int	6.84	346.74	347.94	347.86	348.17	0.011126	2.10	0.21		3.30	6.68	0.84
AV5449	698.23*	Max WS	UF_Tr30_D3_int	5.12	346.74	347.83		348.02	0.011071	1.91	0.06		2.68	4.82	0.82
AV5449	698.23*	Max WS	UF_Tr30_D6_int	3.19	346.74	347.66		347.80	0.010072	1.65			1.94	4.02	0.76
AV5449	698.20	Max WS	UF_Tr30_D1_int	6.84	346.61	347.60	347.68	347.96	0.023716	2.66			2.57	5.07	1.19
AV5449	698.20	Max WS	UF_Tr30_D3_int	5.12	346.61	347.49	347.56	347.81	0.023651	2.51			2.04	4.32	1.17
AV5449	698.20	Max WS	UF_Tr30_D6_int	3.19	346.61	347.33	347.37	347.59	0.023945	2.26			1.41	3.54	1.14
AV5449	698.17*	Max WS	UF_Tr30_D1_int	6.84	346.13	347.11	347.21	347.49	0.026976	2.74			2.50	5.21	1.26
AV5449	698.17*	Max WS	UF_Tr30_D3_int	5.12	346.13	347.01	347.08	347.33	0.024789	2.51			2.04	4.52	1.19
AV5449	698.17*	Max WS	UF_Tr30_D6_int	3.19	346.13	346.85	346.90	347.12	0.024617	2.28			1.40	3.52	1.16
AV5449	698.13	Max WS	UF_Tr30_D1_int	6.65	345.66	346.63	346.72	346.95	0.021126	2.52	0.64	0.22	2.87	7.56	1.13
AV5449	698.13	Max WS	UF_Tr30_D3_int	5.12	345.66	346.56	346.61	346.83	0.021392	2.31	0.44		2.34	6.66	1.11
AV5449	698.13	Max WS	UF_Tr30_D6_int	3.19	345.66	346.43	346.43	346.63	0.018021	1.98			1.61	4.00	0.99
AV5449	698.10*	Max WS	UF_Tr30_D1_int	6.84	345.37	346.27	346.32	346.52	0.015831	2.21	0.45	0.26	3.50	13.62	1.00
AV5449	698.10*	Max WS	UF_Tr30_D3_int	5.12	345.37	346.21	346.21	346.40	0.013842	1.91	0.26	0.18	2.84	10.41	0.91
AV5449	698.10*	Max WS	UF_Tr30_D6_int	3.19	345.37	346.19		346.27	0.006513	1.26	0.09	0.06	2.56	8.35	0.62
AV5449	698.07	Max WS	UF_Tr30_D1_int	6.84	345.09	345.78	345.87	346.14	0.034742	2.68		0.36	2.64	9.41	1.42
AV5449	698.07	Max WS	UF_Tr30_D3_int	5.12	345.09	345.69	345.80	346.04	0.039747	2.62			1.95	6.12	1.48
AV5449	698.07	Max WS	UF_Tr30_D6_int	3.19	345.09	345.54	345.67	345.92	0.058394	2.73			1.17	4.67	1.74
AV5449	698.05*	Max WS	UF_Tr30_D1_int	6.83	344.37	345.49		345.60	0.004797	1.51	0.03		4.54	6.49	0.57
AV5449	698.05*	Max WS	UF_Tr30_D3_int	5.12	344.37	345.36		345.46	0.004528	1.36			3.77	5.92	0.54
AV5449	698.05*	Max WS	UF_Tr30_D6_int	3.19	344.37	345.02		345.16	0.011446	1.64			1.95	4.72	0.82
AV5449	698.02	Max WS	UF_Tr30_D1_int	6.02	343.66	345.49		345.52	0.000588	0.75	0.17	0.09	8.68	10.10	0.21
AV5449	698.02	Max WS	UF_Tr30_D3_int	5.09	343.66	345.34		345.41	0.000960	1.19			4.27	7.93	0.30
AV5449	698.02	Max WS	UF_Tr30_D6_int	3.19	343.66	344.93		344.98	0.001029	1.01			3.16	5.18	0.30
AV5449	698.01			Culvert											
AV5449	698	Max WS	UF_Tr30_D1_int	6.01	343.19	344.40		344.61	0.004289	2.02			2.97	4.41	0.60
AV5449	698	Max WS	UF_Tr30_D3_int	5.09	343.19	344.22		344.43	0.005434	2.03			2.50	4.16	0.66
AV5449	698	Max WS	UF_Tr30_D6_int	3.19	343.19	343.99		344.13	0.005225	1.67			1.92	3.83	0.62
AV5449	697.97*	Max WS	UF_Tr30_D1_int	6.76	343.04	344.33		344.47	0.004969	1.65			4.08	4.43	0.55
AV5449	697.97*	Max WS	UF_Tr30_D3_int	5.13	343.04	344.17		344.28	0.004784	1.51			3.39	4.18	0.54
AV5449	697.97*	Max WS	UF_Tr30_D6_int	3.19	343.04	343.93		344.02	0.004678	1.31			2.45	3.82	0.52
AV5449	697.93*	Max WS	UF_Tr30_D1_int	6.80	342.89	344.22		344.37	0.005415	1.71			3.98	4.42	0.58
AV5449	697.93*	Max WS	UF_Tr30_D3_int	5.13	342.89	344.07		344.19	0.004977	1.54			3.34	4.16	0.55
AV5449	697.93*	Max WS	UF_Tr30_D6_int	3.19	342.89	343.84		343.93	0.004734	1.32			2.42	3.77	0.53
AV5449	697.90*	Max WS	UF_Tr30_D1_int	6.80	342.74	344.10		344.26	0.005923	1.76			3.86	4.44	0.60
AV5449	697.90*	Max WS	UF_Tr30_D3_int	5.13	342.74	343.96		344.09	0.005230	1.56			3.28	4.16	0.56
AV5449	697.90*	Max WS	UF_Tr30_D6_int	3.19	342.74	343.74		343.83	0.004770	1.33			2.41	3.73	0.53
AV5449	697.86*	Max WS	UF_Tr30_D1_int	6.80	342.59	343.97		344.14	0.006656	1.83	0.06		3.72	4.60	0.64
AV5449	697.86*	Max WS	UF_Tr30_D3_int	5.13	342.59	343.85		343.98	0.005620	1.59			3.22	4.22	0.58
AV5449	697.86*	Max WS	UF_Tr30_D6_int	3.19	342.59	343.65		343.74	0.004763	1.33			2.41	3.72	0.53
AV5449	697.83*	Max WS	UF_Tr30_D1_int	6.80	342.45	343.83		344.01	0.007333	1.91	0.24		3.80	4.99	0.67
AV5449	697.83*	Max WS	UF_Tr30_D3_int	5.13	342.45	343.74		343.87	0.006031	1.62	0.10		3.16	4.48	0.60
AV5449	697.83*	Max WS	UF_Tr30_D6_int	3.19	342.45	343.56		343.64	0.004739	1.32			2.43	3.77	0.52
AV5449	697.79	Max WS	UF_Tr30_D1_int	6.54	342.30	343.69		343.87	0.007375	1.89	0.38		3.67	5.89	0.68
AV5449	697.79	Max WS	UF_Tr30_D3_int	5.13	342.30	343.62		343.75	0.006074	1.64	0.24		3.25	5.79	0.61
AV5449	697.79	Max WS	UF_Tr30_D6_int	3.19	342.30	343.47		343.55	0.004560	1.27	0.08		2.51	4.11	0.51
AV5449	697.76*	Max WS	UF_Tr30_D1_int	5.99	342.30	343.54		343.72	0.008517	1.95	0.55	0.09	3.45	6.25	0.73
AV5449	697.76*	Max WS	UF_Tr30_D3_int	4.98	342.30	343.47		343.63	0.008039	1.80	0.44		3.06	6.13	0.70
AV5449	697.76*	Max WS	UF_Tr30_D6_int	3.19	342.30	343.36		343.46	0.006103	1.43	0.19		2.34	5.94	0.60
AV5449	697.72*	Max WS	UF_Tr30_D1_int	5.27	342.30	343.35		343.54	0.010617	2.03	0.70	0.10	3.13	6.71	0.81
AV5449	697.72*	Max WS	UF_Tr30_D3_int	4.42	342.30	343.29		343.46	0.010655	1.91	0.61		2.74	6.41	0.80
AV5449	697.72*	Max WS	UF_Tr30_D6_int	3.12	342.30	343.20		343.34	0.009201	1.65	0.42		2.19	6.25	0.73
AV5449	697.69*	Max WS	UF_Tr30_D1_int	3.64	342.30	343.18		343.27	0.006984	1.53	0.64	0.27	3.24	9.26	0.66
AV5449	697.69*	Max WS	UF_Tr30_D3_int	2.85	342.30	343.12		343.21	0.006377	1.37	0.56	0.07	2.66	6.84	0.62
AV5449	697.69*	Max WS	UF_Tr30_D6_int	2.30	342.30	343.06		343.14	0.006703	1.31	0.49		2.24	6.61	0.62
AV5449	697.65	Max WS	UF_Tr30_D1_int	3.21	342.30	343.11		343.15	0.002978	1.06	0.54	0.33	4.50	9.64	0.44
AV5449	697.65	Max WS	UF_Tr30_D3_int	3.00	342.30	342.96		343.03	0.008432	1.45	0.73	0.31	2.98	9.64	0.71
AV5449	697.65	Max WS	UF_Tr30_D6_int	2.31	342.30	342.84	342.82	342.95	0.016318	1.69	0.79		1.87	6.79	0.94
AV5449	697.61*	Max WS	UF_Tr30_D1_int	3.20	341.81	343.09		343.11	0.000861	0.71	0.24	0.13	5.79	10.48	0.25
AV5449	697.61*	Max WS	UF_Tr30_D3_int	2.98	341.81	342.87		342.92	0.002428	0.98	0.24	0.10	3.63	9.40	0.40
AV5449	697.61*	Max WS	UF_Tr30_D6_int	2.31	341.81	342.45	342.49	342.67	0.024735	2.06			1.12	3.35	1.14
AV5449	697.6		Lat Struct												
AV5449	697.59		Lat Struct												
AV5449	697.58*	Max WS	UF_Tr30_D1_int	4.19	341.31	343.07		343.09	0.000410	0.58	0.13	0.11	8.41	12.35	0.18
AV5449	697.58*	Max WS	UF_Tr30_D3_int	4.10	341.31	342.83		342.86	0.000967	0.76	0.17	0.10	5.67	8.09	0.26
AV5449	697.58*	Max WS	UF_Tr30_D6_int	2.57	341.31	342.02	342.05	342.24	0.021329	2.07			1.24	3.25	1.07
AV5449	697.54*	Max WS	UF_Tr30_D1_int	4.39	340.81	343.07		343.08	0.000146	0.40	0.06	0.08	12.03	14.50	0.11
AV5449	697.54*	Max WS	UF_Tr30_D3_int	4.11	340.81	342.84		342.85	0.000248	0.46	0.08	0.07	9.29	10.11	0.14
AV5449	697.54*	Max WS	UF_Tr30_D6_int	2.57	340.81	341.78		341.86	0.004850	1.20			2.14	4.11	0.53
AV5449	697.50	Max WS	UF_Tr30_D1_int	4.39	340.32	343.08		343.08	0.000055	0.28	0.06	0.05	16.75	13.10	0.07
AV5449	697.50	Max WS	UF_Tr30_D3_int	4.11	340.32	342.84		342.84	0.000084	0.31	0.05	0.05	13.81	11.75	0.08
AV5449	697.50	Max WS	UF_Tr30_D6_int	2.57	340.32	341.77		341.79	0.000665	0.57			4.52	5.98	0.21

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	697.45			Culvert											
AV5449	697.40	Max WS	UF_Tr30_D1_int	4.39	337.42	339.08		339.09	0.000239	0.48	0.07	0.13	10.42	14.07	0.14
AV5449	697.40	Max WS	UF_Tr30_D3_int	4.11	337.42	339.04		339.06	0.000232	0.47	0.06	0.12	9.98	14.00	0.14
AV5449	697.40	Max WS	UF_Tr30_D6_int	2.57	337.42	338.67		338.68	0.000353	0.44	0.03	0.06	5.92	8.94	0.16
AV5449	697.39			Lat Struct											
AV5449	697.38			Lat Struct											
AV5449	697.35°	Max WS	UF_Tr30_D1_int	4.24	337.27	339.07		339.09	0.000266	0.55	0.11	0.14	9.54	12.10	0.15
AV5449	697.35°	Max WS	UF_Tr30_D3_int	4.04	337.27	339.04		339.05	0.000263	0.54	0.10	0.13	9.16	11.98	0.14
AV5449	697.35°	Max WS	UF_Tr30_D6_int	2.57	337.27	338.66		338.67	0.000339	0.49	0.06	0.07	5.38	6.76	0.16
AV5449	697.30	Max WS	UF_Tr30_D1_int	3.79	337.13	339.07	337.92	339.09	0.000501	0.70	0.19	0.19	7.34	8.56	0.17
AV5449	697.30	Max WS	UF_Tr30_D3_int	3.69	337.13	339.03	337.91	339.06	0.000520	0.71	0.18	0.18	7.06	8.56	0.18
AV5449	697.30	Max WS	UF_Tr30_D6_int	2.57	337.13	338.65	337.78	338.67	0.000786	0.73	0.07	0.13	3.80	7.42	0.21
AV5449	697.25			Bridge											
AV5449	697.20	Max WS	UF_Tr30_D1_int	3.79	337.13	337.91	337.92	338.23	0.021748	2.52	0.10		1.51	2.59	1.05
AV5449	697.20	Max WS	UF_Tr30_D3_int	3.69	337.13	337.90	337.91	338.21	0.021860	2.50	0.09		1.48	2.58	1.05
AV5449	697.20	Max WS	UF_Tr30_D6_int	2.57	337.13	337.77	337.78	338.02	0.021915	2.23			1.15	2.45	1.04
AV5449	697.13°	Max WS	UF_Tr30_D1_int	3.79	336.93	337.75	337.76	338.06	0.020257	2.46	0.04		1.54	2.60	1.02
AV5449	697.13°	Max WS	UF_Tr30_D3_int	3.69	336.93	337.74	337.75	338.05	0.020372	2.44			1.51	2.59	1.02
AV5449	697.13°	Max WS	UF_Tr30_D6_int	2.57	336.93	337.62	337.61	337.85	0.018867	2.14			1.20	2.44	0.97
AV5449	697.07°	Max WS	UF_Tr30_D1_int	3.79	336.72	337.62	337.59	337.89	0.017520	2.32			1.63	2.69	0.95
AV5449	697.07°	Max WS	UF_Tr30_D3_int	3.69	336.72	337.61	337.58	337.88	0.017528	2.31			1.60	2.68	0.95
AV5449	697.07°	Max WS	UF_Tr30_D6_int	2.57	336.72	337.50		337.69	0.014530	1.95			1.32	2.52	0.86
AV5449	697	Max WS	UF_Tr30_D1_int	3.77	336.52	337.52		337.69	0.009959	1.90		0.52	2.34	5.29	0.74
AV5449	697	Max WS	UF_Tr30_D3_int	3.67	336.52	337.51		337.68	0.010042	1.89		0.50	2.27	5.28	0.74
AV5449	697	Max WS	UF_Tr30_D6_int	2.57	336.52	337.42		337.54	0.008292	1.59		0.29	1.80	5.24	0.66
AV5449	696.67°	Max WS	UF_Tr30_D1_int	3.29	336.47	337.37		337.47	0.006576	1.48	0.06	0.41	2.72	7.58	0.63
AV5449	696.67°	Max WS	UF_Tr30_D3_int	3.12	336.47	337.35		337.45	0.006796	1.47		0.39	2.57	7.49	0.63
AV5449	696.67°	Max WS	UF_Tr30_D6_int	2.45	336.47	337.28		337.37	0.006940	1.38			2.07	7.43	0.63
AV5449	696.33	Max WS	UF_Tr30_D1_int	3.01	336.42	337.30		337.35	0.003041	1.04	0.15	0.36	3.81	10.07	0.44
AV5449	696.33	Max WS	UF_Tr30_D3_int	2.87	336.42	337.28		337.32	0.003309	1.05	0.14	0.35	3.56	10.00	0.46
AV5449	696.33	Max WS	UF_Tr30_D6_int	2.13	336.42	337.19		337.24	0.003675	0.98	0.07	0.27	2.71	9.78	0.47
AV5449	696.17°	Max WS	UF_Tr30_D1_int	2.40	336.26	337.27	336.92	337.35	0.002626	1.23			1.95	10.90	0.43
AV5449	696.17°	Max WS	UF_Tr30_D3_int	2.32	336.26	337.24	336.91	337.32	0.002748	1.23			1.89	10.80	0.44
AV5449	696.17°	Max WS	UF_Tr30_D6_int	2.00	336.26	337.14	336.87	337.21	0.003294	1.22			1.64	10.38	0.47
AV5449	696.05			Bridge											
AV5449	696	Max WS	UF_Tr30_D1_int	2.40	336.10	336.84		337.04	0.013293	1.95			1.23	2.94	0.86
AV5449	696	Max WS	UF_Tr30_D3_int	2.32	336.10	336.83		337.02	0.013271	1.92			1.21	2.91	0.86
AV5449	696	Max WS	UF_Tr30_D6_int	2.00	336.10	336.80		336.96	0.012397	1.78			1.13	2.81	0.82
AV5449	695.89°	Max WS	UF_Tr30_D1_int	2.45	335.92	336.64		336.76	0.011547	1.53			1.60	4.26	0.80
AV5449	695.89°	Max WS	UF_Tr30_D3_int	2.34	335.92	336.62		336.74	0.011718	1.52			1.53	4.17	0.80
AV5449	695.89°	Max WS	UF_Tr30_D6_int	2.01	335.92	336.59		336.70	0.010759	1.42			1.41	4.00	0.76
AV5449	695.78	Max WS	UF_Tr30_D1_int	2.56	335.74	336.51		336.58	0.006274	1.13	0.08	0.09	2.29	8.37	0.60
AV5449	695.78	Max WS	UF_Tr30_D3_int	2.40	335.74	336.49		336.55	0.007067	1.15	0.01	0.04	2.09	6.43	0.63
AV5449	695.78	Max WS	UF_Tr30_D6_int	2.04	335.74	336.44		336.50	0.007153	1.11			1.83	5.62	0.62
AV5449	695.67°	Max WS	UF_Tr30_D1_int	3.01	335.61	336.44		336.48	0.003819	1.04	0.19	0.30	3.78	14.73	0.49
AV5449	695.67°	Max WS	UF_Tr30_D3_int	2.79	335.61	336.40		336.45	0.004766	1.10	0.14	0.28	3.19	14.73	0.53
AV5449	695.67°	Max WS	UF_Tr30_D6_int	2.38	335.61	336.33		336.40	0.006800	1.17	0.06	0.20	2.29	11.14	0.62
AV5449	695.56°	Max WS	UF_Tr30_D1_int	5.27	335.48	336.29	336.28	336.43	0.010277	1.79	0.34	0.62	4.01	13.69	0.81
AV5449	695.56°	Max WS	UF_Tr30_D3_int	4.53	335.48	336.26	336.24	336.39	0.010056	1.70	0.25	0.56	3.56	13.69	0.79
AV5449	695.56°	Max WS	UF_Tr30_D6_int	2.94	335.48	336.18		336.27	0.009288	1.43	0.12	0.38	2.51	10.41	0.73
AV5449	695.44°	Max WS	UF_Tr30_D1_int	4.64	335.35	336.08	336.08	336.24	0.012641	1.90	0.20	0.69	3.31	12.65	0.88
AV5449	695.44°	Max WS	UF_Tr30_D3_int	4.06	335.35	336.06	336.04	336.20	0.012099	1.79	0.21	0.63	2.98	9.93	0.86
AV5449	695.44°	Max WS	UF_Tr30_D6_int	2.81	335.35	335.99		336.10	0.010782	1.52	0.10	0.47	2.36	9.43	0.79
AV5449	695.33	Max WS	UF_Tr30_D1_int	3.23	335.22	335.85		335.97	0.012081	1.70	0.17	0.64	2.56	8.71	0.84
AV5449	695.33	Max WS	UF_Tr30_D3_int	2.92	335.22	335.83		335.94	0.012062	1.64	0.13	0.60	2.38	8.62	0.84
AV5449	695.33	Max WS	UF_Tr30_D6_int	1.88	335.22	335.80		335.86	0.006682	1.17	0.04	0.40	2.14	8.50	0.61
AV5449	695.22°	Max WS	UF_Tr30_D1_int	2.31	335.02	335.63		335.75	0.011250	1.57	0.09	0.51	1.90	7.18	0.80
AV5449	695.22°	Max WS	UF_Tr30_D3_int	2.17	335.02	335.62		335.73	0.011127	1.53	0.06	0.48	1.82	7.13	0.79
AV5449	695.22°	Max WS	UF_Tr30_D6_int	0.96	335.02	335.78		335.79	0.000557	0.43	0.07	0.17	3.00	8.05	0.19
AV5449	695.11°	Max WS	UF_Tr30_D1_int	1.96	334.82	335.42	335.41	335.55	0.013283	1.67		0.42	1.41	5.69	0.84
AV5449	695.11°	Max WS	UF_Tr30_D3_int	1.07	334.82	335.50		335.52	0.001891	0.71	0.08	0.23	1.90	6.03	0.33
AV5449	695.11°	Max WS	UF_Tr30_D6_int	0.79	334.82	335.78		335.78	0.000175	0.29	0.06	0.12	3.78	7.63	0.11
AV5449	695	Max WS	UF_Tr30_D1_int	1.93	334.62	335.20	335.18	335.39	0.014103	1.96			0.98	2.22	0.94
AV5449	695	Max WS	UF_Tr30_D3_int	0.88	334.62	335.50		335.50	0.000334	0.42	0.13	0.23	2.52	5.50	0.16
AV5449	695	Max WS	UF_Tr30_D6_int	0.79	334.62	335.78		335.78	0.000069	0.24	0.09	0.14	4.26	7.27	0.07
AV5449	694.75°	Max WS	UF_Tr30_D1_int	1.93	334.36	334.96	334.99	335.17	0.014338	2.01		0.25	0.98	3.37	0.96
AV5449	694.75°	Max WS	UF_Tr30_D3_int	0.86	334.36	335.50		335.50	0.000104	0.28	0.11	0.16	3.85	6.59	0.09
AV5449	694.75°	Max WS	UF_Tr30_D6_int	0.83	334.36	335.78		335.78	0.000031	0.18	0.07	0.11	6.10	8.95	0.05
AV5449	694.50°	Max WS	UF_Tr30_D1_int	1.93	334.10	334.74	334.72	334.94	0.013990	2.01			0.96	2.10	0.95
AV5449	694.50°	Max WS	UF_Tr30_D3_int	0.83	334.10	335.50		335.50	0.000039	0.20	0.08	0.12	5.50	8.30	0.06
AV5449	694.50°	Max WS	UF_Tr30_D6_int	1.02	334.10	335.78		335.78	0.000022	0.17	0.09	0.11	7.94	8.71	0.05
AV5449	694.25°	Max WS	UF_Tr30_D1_int	1.73	333.84	334.53		334.67	0.008968	1.66			1.04	2.09	0.75
AV5449	694.25°	Max WS	UF_Tr30_D3_int	0.78	333.84	335.50		335.50	0.000016	0.14	0.07	0.09	7.31	8.47	0.04
AV5449	694.25°	Max WS	UF_Tr30_D6_int	1.00	333.84	335.78		335.78	0.000012	0.14	0.07	0.09	9.68	8.47	0.03
AV5449	694	Max WS	UF_Tr30_D1_int	1.50	333.58	334.44		334.50	0.002821	1.07	0.22	0.20	1.50	4.61	0.42
AV5449	694	Max WS	UF_Tr30_D3_int	0.84	333.58	335.50		335.50	0.000010	0.12	0.07	0.08	9.03	8.23	0.03
AV5449	694	Max WS	UF_Tr30_D6_int	1.11	333.58	335.78		335.78	0.000009	0.13	0.07	0.08	11.33	8.23	0.03
AV5449	693.90°	Max WS	UF_Tr30_D1_int	1.39	333.49	334.43		334.45	0.000714	0.62	0.16	0.19	2.59	7.07	0.24

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	693.90*	Max WS	UF_Tr30_D3_int	0.99	333.49	335.50		335.50	0.000006	0.11	0.06	0.06	12.15	9.47	0.03
AV5449	693.90*	Max WS	UF_Tr30_D6_int	1.17	333.49	335.78		335.78	0.000005	0.10	0.06	0.06	14.79	9.47	0.02
AV5449	693.80*	Max WS	UF_Tr30_D1_int	1.36	333.39	334.43		334.44	0.000277	0.41	0.09	0.18	3.96	10.26	0.16
AV5449	693.80*	Max WS	UF_Tr30_D3_int	1.09	333.39	335.50		335.50	0.000004	0.09	0.05	0.05	15.36	10.71	0.02
AV5449	693.80*	Max WS	UF_Tr30_D6_int	1.22	333.39	335.78		335.78	0.000003	0.09	0.05	0.05	18.36	10.71	0.02
AV5449	693.70	Max WS	UF_Tr30_D1_int	1.31	333.30	334.43		334.43	0.000112	0.27	0.13	0.14	5.95	11.95	0.10
AV5449	693.70	Max WS	UF_Tr30_D3_int	1.15	333.30	335.50		335.50	0.000003	0.08	0.04	0.05	18.67	11.95	0.02
AV5449	693.70	Max WS	UF_Tr30_D6_int	1.26	333.30	335.78		335.78	0.000002	0.07	0.04	0.04	22.02	11.95	0.02
AV5449	693.60*	Max WS	UF_Tr30_D1_int	1.26	333.19	334.43		334.43	0.000049	0.20	0.11	0.11	7.61	11.80	0.07
AV5449	693.60*	Max WS	UF_Tr30_D3_int	1.21	333.19	335.50		335.50	0.000002	0.08	0.04	0.05	20.17	11.80	0.02
AV5449	693.60*	Max WS	UF_Tr30_D6_int	1.31	333.19	335.78		335.78	0.000002	0.07	0.04	0.04	23.47	11.80	0.02
AV5449	693.50*	Max WS	UF_Tr30_D1_int	1.21	333.09	334.43		334.43	0.000025	0.16	0.09	0.10	9.24	11.65	0.05
AV5449	693.50*	Max WS	UF_Tr30_D3_int	1.26	333.09	335.50		335.50	0.000002	0.07	0.04	0.04	21.64	11.65	0.02
AV5449	693.50*	Max WS	UF_Tr30_D6_int	1.35	333.09	335.78		335.78	0.000001	0.07	0.04	0.04	24.89	11.65	0.01
AV5449	693.40*	Max WS	UF_Tr30_D1_int	1.18	332.98	334.43		334.43	0.000014	0.14	0.08	0.08	10.83	11.49	0.04
AV5449	693.40*	Max WS	UF_Tr30_D3_int	1.31	332.98	335.50		335.50	0.000002	0.07	0.04	0.04	23.06	11.49	0.02
AV5449	693.40*	Max WS	UF_Tr30_D6_int	1.39	332.98	335.78		335.78	0.000001	0.07	0.04	0.04	26.28	11.49	0.01
AV5449	693.30	Max WS	UF_Tr30_D1_int	1.15	332.88	334.43		334.43	0.000009	0.12	0.07	0.07	12.38	11.34	0.03
AV5449	693.30	Max WS	UF_Tr30_D3_int	1.35	332.88	335.50		335.50	0.000002	0.07	0.04	0.04	24.45	11.34	0.01
AV5449	693.30	Max WS	UF_Tr30_D6_int	1.43	332.88	335.78		335.78	0.000001	0.07	0.04	0.04	27.62	11.34	0.01
AV5449	693.20*	Max WS	UF_Tr30_D1_int	1.13	332.63	334.43		334.43	0.000005	0.09	0.06	0.06	15.20	13.20	0.03
AV5449	693.20*	Max WS	UF_Tr30_D3_int	1.39	332.63	335.50		335.50	0.000001	0.06	0.04	0.04	29.25	13.20	0.01
AV5449	693.20*	Max WS	UF_Tr30_D6_int	1.46	332.63	335.78		335.78	0.000001	0.06	0.04	0.03	32.94	13.20	0.01
AV5449	693.10*	Max WS	UF_Tr30_D1_int	1.12	332.37	334.43		334.43	0.000004	0.08	0.05	0.05	18.17	15.06	0.02
AV5449	693.10*	Max WS	UF_Tr30_D3_int	1.43	332.37	335.50		335.50	0.000001	0.05	0.03	0.03	34.20	15.06	0.01
AV5449	693.10*	Max WS	UF_Tr30_D6_int	1.49	332.37	335.78		335.78	0.000001	0.05	0.03	0.03	38.41	15.06	0.01
AV5449	693	Max WS	UF_Tr30_D1_int	1.12	332.12	334.43		334.43	0.000002	0.07	0.05	0.04	21.30	16.92	0.02
AV5449	693	Max WS	UF_Tr30_D3_int	1.43	332.12	335.50		335.50	0.000001	0.05	0.03	0.03	39.31	16.92	0.01
AV5449	693	Max WS	UF_Tr30_D6_int	1.49	332.12	335.78		335.78	0.000000	0.04	0.03	0.03	44.04	16.92	0.01
AV5449	692.67*	Max WS	UF_Tr30_D1_int	1.12	332.00	334.42		334.45	0.000195	0.72			1.55	13.41	0.15
AV5449	692.67*	Max WS	UF_Tr30_D3_int	1.43	332.00	335.49		335.51	0.000086	0.62			2.30	13.41	0.11
AV5449	692.67*	Max WS	UF_Tr30_D6_int	1.49	332.00	335.77		335.79	0.000071	0.60			2.50	13.41	0.10
AV5449	692.4			Culvert											
AV5449	692.33*	Max WS	UF_Tr30_D1_int	1.11	331.88	333.29		333.38	0.002633	1.38			0.81	8.39	0.41
AV5449	692.33*	Max WS	UF_Tr30_D3_int	1.42	331.88	333.34		333.49	0.003627	1.67			0.85	8.58	0.49
AV5449	692.33*	Max WS	UF_Tr30_D6_int	1.49	331.88	333.35		333.51	0.003919	1.75			0.85	8.61	0.51
AV5449	692.3			Lat Struct											
AV5449	692.2			Lat Struct											
AV5449	692	Max WS	UF_Tr30_D1_int	1.11	331.76	333.31		333.32	0.000392	0.45	0.27	0.31	3.08	5.38	0.12
AV5449	692	Max WS	UF_Tr30_D3_int	1.42	331.76	333.38		333.39	0.000470	0.51	0.32	0.36	3.44	5.56	0.13
AV5449	692	Max WS	UF_Tr30_D6_int	1.49	331.76	333.39		333.40	0.000498	0.53	0.34	0.37	3.49	5.57	0.14
AV5449	691.75*	Max WS	UF_Tr30_D1_int	1.11	331.95	333.31		333.32	0.000099	0.28	0.06	0.07	4.25	7.41	0.09
AV5449	691.75*	Max WS	UF_Tr30_D3_int	1.42	331.95	333.38		333.38	0.000123	0.33	0.07	0.10	4.75	7.94	0.11
AV5449	691.75*	Max WS	UF_Tr30_D6_int	1.49	331.95	333.39		333.39	0.000131	0.34	0.08	0.11	4.82	8.03	0.11
AV5449	691.50	Max WS	UF_Tr30_D1_int	1.11	332.14	333.31		333.32	0.000209	0.32			3.50	6.05	0.13
AV5449	691.50	Max WS	UF_Tr30_D3_int	1.42	332.14	333.37		333.38	0.000254	0.36			3.89	6.40	0.15
AV5449	691.50	Max WS	UF_Tr30_D6_int	1.49	332.14	333.38		333.39	0.000270	0.38			3.95	6.45	0.15
AV5449	691.25*	Max WS	UF_Tr30_D1_int	1.11	331.75	333.31		333.31	0.000079	0.22	0.02	0.04	5.02	7.79	0.08
AV5449	691.25*	Max WS	UF_Tr30_D3_int	1.42	331.75	333.37		333.38	0.000095	0.26	0.04	0.05	5.54	8.49	0.09
AV5449	691.25*	Max WS	UF_Tr30_D6_int	1.49	331.75	333.38		333.39	0.000101	0.27	0.04	0.06	5.62	8.62	0.10
AV5449	691	Max WS	UF_Tr30_D1_int	1.11	331.35	333.31	332.03	333.31	0.000032	0.17	0.03	0.07	7.13	12.53	0.05
AV5449	691	Max WS	UF_Tr30_D3_int	1.40	331.35	333.37	332.11	333.38	0.000040	0.20	0.05	0.08	7.93	12.53	0.06
AV5449	691	Max WS	UF_Tr30_D6_int	1.46	331.35	333.38	332.12	333.39	0.000042	0.20	0.05	0.09	8.05	12.53	0.06
AV5449	690.5			Bridge											
AV5449	690.20	Max WS	UF_Tr30_D1_int	1.11	331.35	333.31		333.31	0.000032	0.17	0.06	0.07	7.05	9.17	0.05
AV5449	690.20	Max WS	UF_Tr30_D3_int	1.40	331.35	333.37		333.37	0.000041	0.20	0.05	0.08	7.87	12.53	0.06
AV5449	690.20	Max WS	UF_Tr30_D6_int	1.46	331.35	333.38		333.38	0.000043	0.20	0.05	0.09	7.99	12.53	0.06
AV5449	690	Max WS	UF_Tr30_D1_int	1.12	331.38	333.31	331.92	333.31	0.000027	0.17	0.05	0.04	7.04	9.45	0.05
AV5449	690	Max WS	UF_Tr30_D3_int	1.27	331.38	333.37	331.95	333.37	0.000028	0.18	0.06	0.05	7.65	9.79	0.05
AV5449	690	Max WS	UF_Tr30_D6_int	1.31	331.38	333.38	331.96	333.38	0.000029	0.18	0.06	0.05	7.75	9.84	0.05
AV5449	689.8			Bridge											
AV5449	689.73	Max WS	UF_Tr30_D1_int	1.12	331.38	333.31		333.31	0.000027	0.17	0.05	0.03	7.03	9.44	0.05
AV5449	689.73	Max WS	UF_Tr30_D3_int	1.27	331.38	333.37		333.37	0.000028	0.18	0.06	0.05	7.64	9.78	0.05
AV5449	689.73	Max WS	UF_Tr30_D6_int	1.31	331.38	333.38		333.38	0.000029	0.19	0.06	0.05	7.73	9.83	0.05
AV5449	689.6	Max WS	UF_Tr30_D1_int	1.13	331.14	333.31		333.31	0.000013	0.17			6.47	17.94	0.04
AV5449	689.6	Max WS	UF_Tr30_D3_int	1.16	331.14	333.37		333.37	0.000008	0.11	0.02	0.04	12.73	20.39	0.03
AV5449	689.6	Max WS	UF_Tr30_D6_int	1.19	331.14	333.38		333.38	0.000008	0.11	0.02	0.04	12.92	20.76	0.03
AV5449	689.25			Culvert											
AV5449	689	Max WS	UF_Tr30_D1_int	1.13	331.14	331.93		331.94	0.000565	0.55			2.06	3.70	0.22
AV5449	689	Max WS	UF_Tr30_D3_int	1.14	331.14	332.04		332.05	0.000349	0.48			2.40	3.92	0.18
AV5449	689	Max WS	UF_Tr30_D6_int	1.19	331.14	332.07		332.08	0.000322	0.47			2.52	3.99	0.17
AV5449	688.83*	Max WS	UF_Tr30_D1_int	1.41	331.09	331.88		331.92	0.001965	0.85			1.66	3.34	0.38
AV5449	688.83*	Max WS	UF_Tr30_D3_int	1.53	331.09	332.00		332.02	0.001279	0.74			2.08	3.74	0.31
AV5449	688.83*	Max WS	UF_Tr30_D6_int	1.63	331.09	332.03		332.06	0.001229	0.74			2.22	3.86	0.31
AV5449	688.67*	Max WS	UF_Tr30_D1_int	1.41	331.05	331.81		331.87	0.004305	1.09			1.29	3.26	0.56
AV5449	688.67*	Max WS	UF_Tr30_D3_int	1.48	331.05	331.96		332.00	0.001844	0.80			1.84	3.97	0.38
AV5449	688.67*	Max WS	UF_Tr30_D6_int	1.62	331.05	332.00		332.04	0.001803	0.81			2.00	4.17	0.37

HEC-RAS River: AV5449 Reach: AV5449 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
AV5449	688.50	Max WS	UF_Tr30_D1_int	0.91	331.00	331.64		331.70	0.006193	1.05			0.86	3.14	0.64
AV5449	688.50	Max WS	UF_Tr30_D3_int	1.46	331.00	331.96		331.97	0.000733	0.56	0.15	0.28	3.27	10.57	0.25
AV5449	688.50	Max WS	UF_Tr30_D6_int	1.58	331.00	332.00		332.01	0.000607	0.53	0.16	0.28	3.72	10.95	0.23
AV5449	688.42*	Max WS	UF_Tr30_D1_int	0.89	330.86	331.62		331.65	0.002183	0.72		0.04	1.23	3.62	0.39
AV5449	688.42*	Max WS	UF_Tr30_D3_int	1.45	330.86	331.96		331.97	0.000397	0.46	0.13	0.21	3.93	11.13	0.19
AV5449	688.42*	Max WS	UF_Tr30_D6_int	1.61	330.86	332.00		332.01	0.000373	0.47	0.14	0.22	4.39	11.53	0.18
AV5449	688.33*	Max WS	UF_Tr30_D1_int	0.89	330.72	331.62		331.64	0.000854	0.53		0.10	1.70	4.04	0.25
AV5449	688.33*	Max WS	UF_Tr30_D3_int	1.43	330.72	331.96		331.96	0.000236	0.39	0.11	0.16	4.61	11.74	0.14
AV5449	688.33*	Max WS	UF_Tr30_D6_int	1.58	330.72	332.00		332.00	0.000226	0.40	0.11	0.18	5.09	12.27	0.14
AV5449	688.25*	Max WS	UF_Tr30_D1_int	0.89	330.58	331.62		331.63	0.000398	0.41	0.02	0.10	2.20	4.30	0.17
AV5449	688.25*	Max WS	UF_Tr30_D3_int	1.37	330.58	331.96		331.96	0.000140	0.33	0.09	0.13	5.31	12.47	0.11
AV5449	688.25*	Max WS	UF_Tr30_D6_int	1.35	330.58	332.00		332.00	0.000110	0.30	0.08	0.13	5.86	13.16	0.10
AV5449	688.16*	Max WS	UF_Tr30_D1_int	0.89	330.43	331.62		331.63	0.000209	0.33	0.04	0.09	2.72	4.50	0.13
AV5449	688.16*	Max WS	UF_Tr30_D3_int	1.07	330.43	331.96		331.96	0.000059	0.23	0.06	0.09	6.07	13.45	0.07
AV5449	688.16*	Max WS	UF_Tr30_D6_int	0.60	330.43	332.00		332.01	0.000015	0.12	0.03	0.05	6.68	13.45	0.04
AV5449	688.08	Max WS	UF_Tr30_D1_int	0.89	330.29	331.62		331.63	0.000122	0.28	0.05	0.08	3.26	4.63	0.10
AV5449	688.08	Max WS	UF_Tr30_D3_int	0.28	330.29	331.96		331.96	0.000003	0.05	0.01	0.02	6.84	13.73	0.02
AV5449	688.08	Max WS	UF_Tr30_D6_int	-0.46	330.29	332.02		332.02	0.000006	-0.08	-0.02	-0.03	7.61	13.73	0.02
AV5449	688.04				Culvert										
AV5449	688	Max WS	UF_Tr30_D1_int	0.88	330.11	331.62		331.62	0.000077	0.24	0.05	0.07	3.80	4.59	0.08
AV5449	688	Max WS	UF_Tr30_D3_int	0.26	330.11	331.96		331.96	0.000002	0.05	0.01	0.01	6.71	16.02	0.01
AV5449	688	Max WS	UF_Tr30_D6_int	-0.46	330.11	332.01		332.01	0.000006	-0.08	-0.03	-0.02	7.49	16.02	0.02
AV5449	687	Max WS	UF_Tr30_D1_int	0.88	329.91	331.62		331.62	0.000050	0.18	0.02		4.80	6.46	0.06
AV5449	687	Max WS	UF_Tr30_D3_int	-0.19	329.91	331.96		331.96	0.000001	-0.03	-0.01	-0.01	8.31	14.02	0.01
AV5449	687	Max WS	UF_Tr30_D6_int	-2.47	329.91	332.05		332.06	0.000087	-0.31	-0.13	-0.11	9.59	14.02	0.09



ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIMAGGIO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

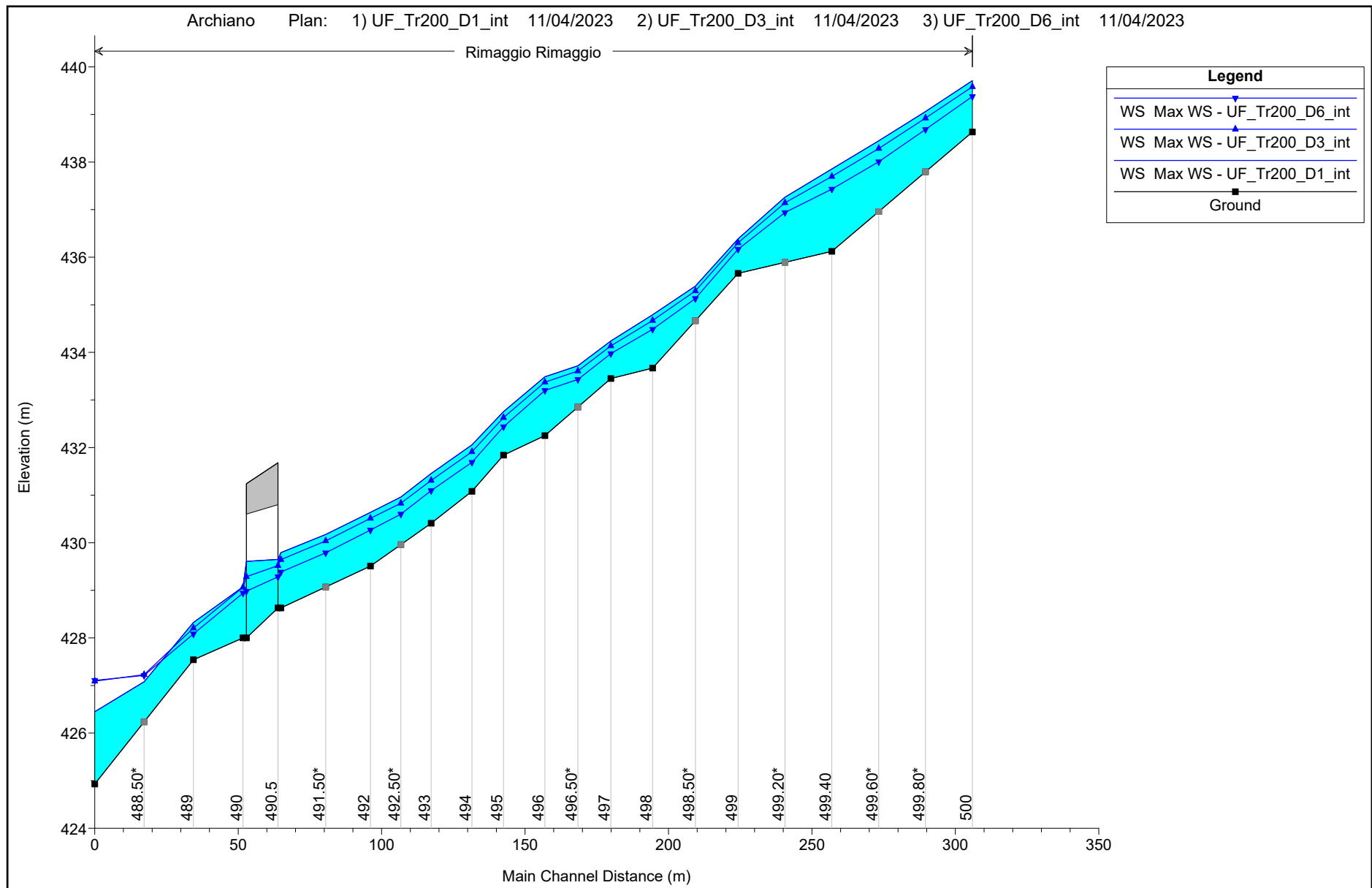
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIMAGGIO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





ALLEGATI

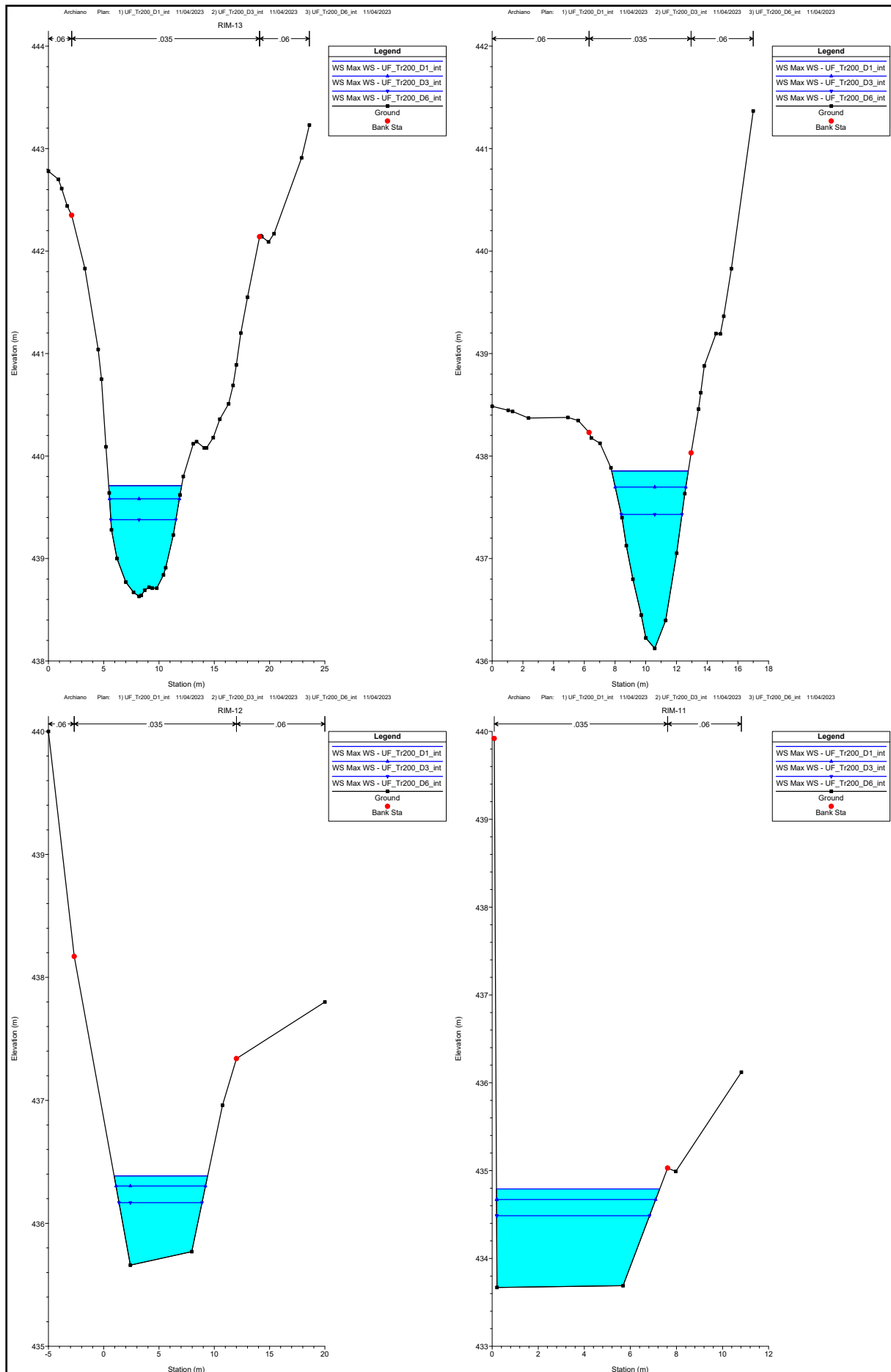
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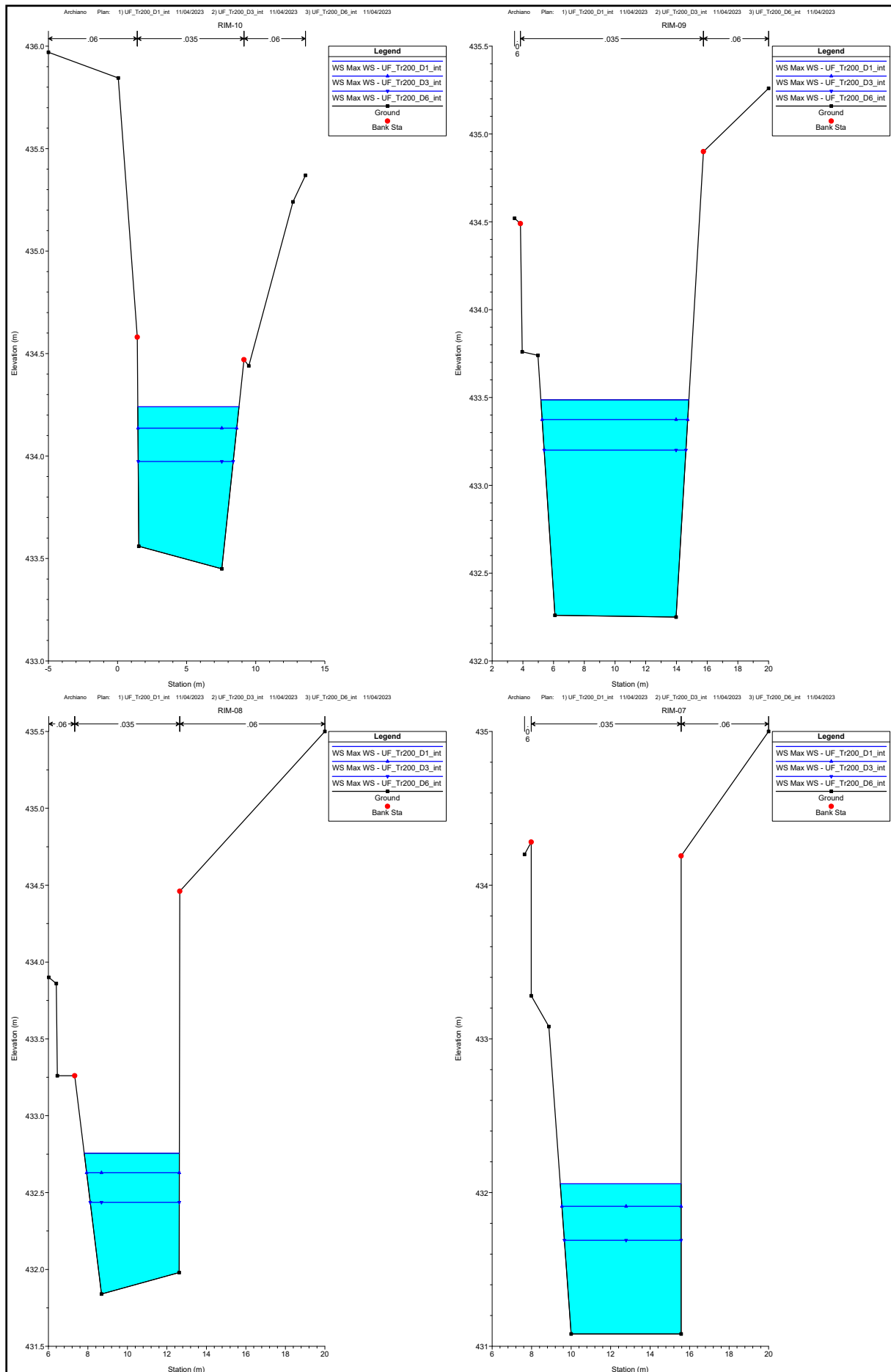
RIMAGGIO

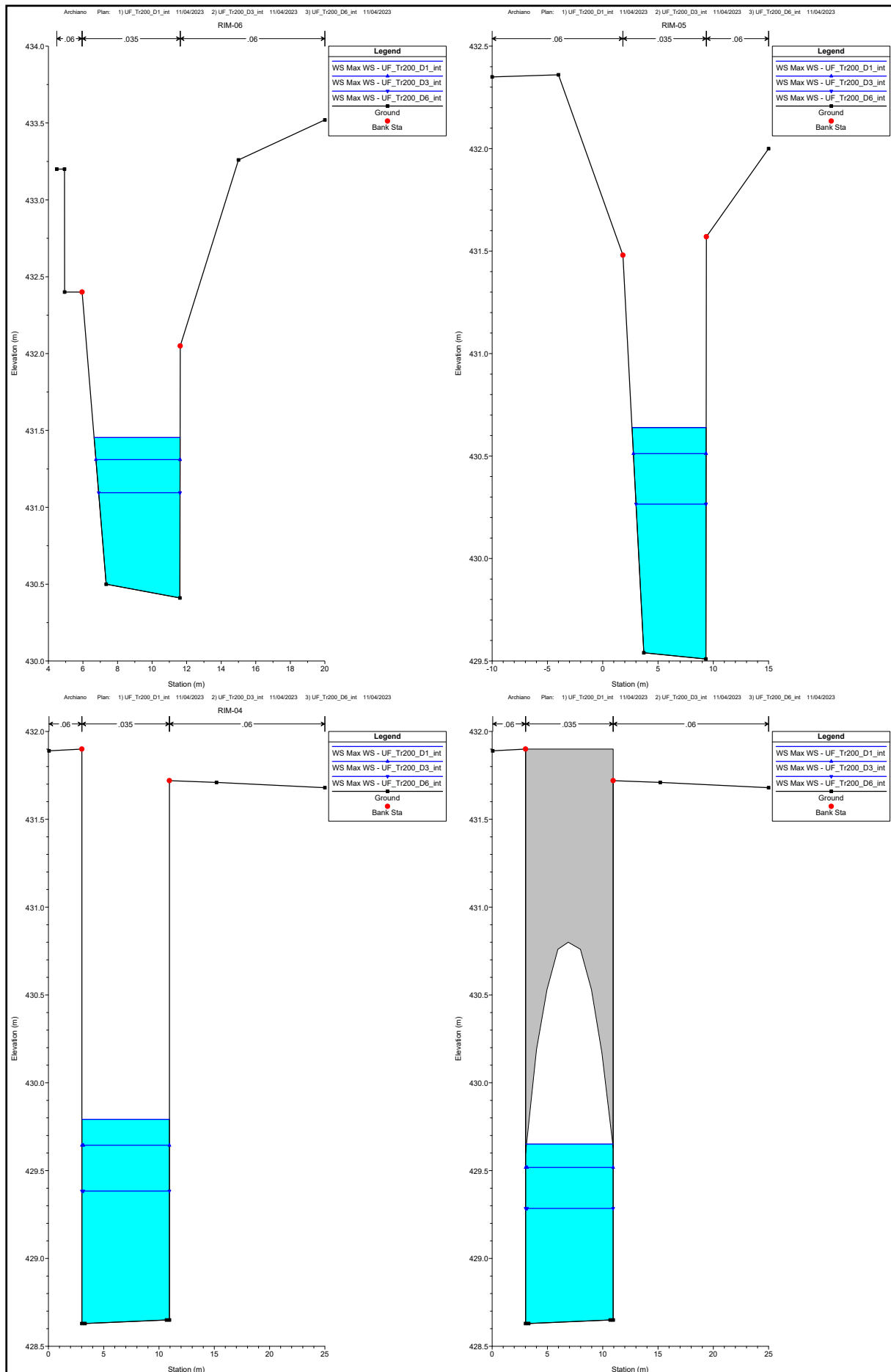
MODELLAZIONE PER TR= 200 anni

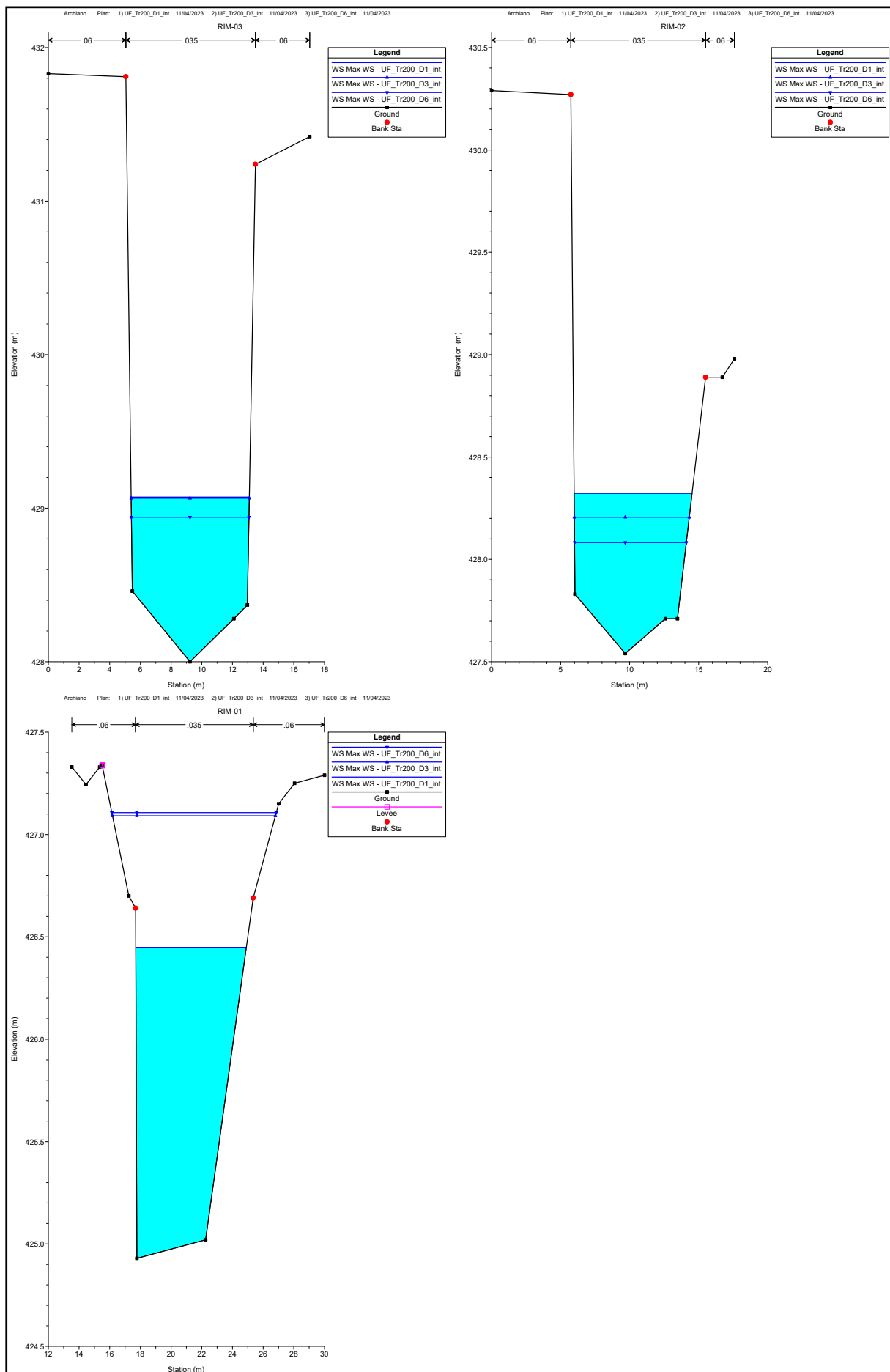
DURATE DI PIOGGIA: 1, 3 e 6 h

Sezioni Trasversali (da monte verso valle)











ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIMAGGIO

MODELLAZIONE PER TR= 200 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: Rimaggio Reach: Rimaggio 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rimaggio	500	Max WS	UF_Tr200_D1_int	24.10	438.63	439.71	440.06	440.80	0.040468	4.63			5.21	6.60	1.66
Rimaggio	500	Max WS	UF_Tr200_D3_int	18.90	438.63	439.58	439.88	440.53	0.041003	4.31			4.38	6.31	1.65
Rimaggio	500	Max WS	UF_Tr200_D6_int	11.80	438.63	439.38	439.60	440.10	0.042991	3.76			3.14	5.88	1.64
Rimaggio	499.80*	Max WS	UF_Tr200_D1_int	24.10	437.79	439.06	439.40	440.11	0.039241	4.54			5.31	6.81	1.64
Rimaggio	499.80*	Max WS	UF_Tr200_D3_int	18.90	437.79	438.92	439.24	439.87	0.041010	4.31			4.39	6.35	1.65
Rimaggio	499.80*	Max WS	UF_Tr200_D6_int	11.80	437.79	438.69	438.94	439.47	0.043822	3.92			3.01	5.31	1.66
Rimaggio	499.60*	Max WS	UF_Tr200_D1_int	24.09	436.96	438.45	438.76	439.45	0.035965	4.43			5.44	6.63	1.56
Rimaggio	499.60*	Max WS	UF_Tr200_D3_int	18.90	436.96	438.28	438.59	439.22	0.037807	4.28			4.42	5.88	1.58
Rimaggio	499.60*	Max WS	UF_Tr200_D6_int	11.80	436.96	438.01	438.27	438.81	0.040480	3.98			2.96	4.60	1.58
Rimaggio	499.40	Max WS	UF_Tr200_D1_int	24.09	436.12	437.85	438.25	439.02	0.036691	4.78			5.05	4.99	1.52
Rimaggio	499.40	Max WS	UF_Tr200_D3_int	18.90	436.12	437.70	438.01	438.69	0.034649	4.41			4.29	4.60	1.46
Rimaggio	499.40	Max WS	UF_Tr200_D6_int	11.80	436.12	437.43	437.63	438.15	0.030564	3.75			3.15	3.95	1.34
Rimaggio	499.20*	Max WS	UF_Tr200_D1_int	24.09	435.89	437.26	437.59	438.29	0.036514	4.49			5.36	6.47	1.58
Rimaggio	499.20*	Max WS	UF_Tr200_D3_int	18.90	435.89	437.14	437.41	438.00	0.033678	4.09			4.62	6.06	1.50
Rimaggio	499.20*	Max WS	UF_Tr200_D6_int	11.80	435.89	436.94	437.10	437.54	0.030194	3.42			3.45	5.51	1.38
Rimaggio	499	Max WS	UF_Tr200_D1_int	24.09	435.66	436.39	436.78	437.73	0.073875	5.13			4.70	8.45	2.20
Rimaggio	499	Max WS	UF_Tr200_D3_int	18.90	435.66	436.30	436.64	437.43	0.072071	4.71			4.02	8.10	2.13
Rimaggio	499	Max WS	UF_Tr200_D6_int	11.80	435.66	436.17	436.41	436.98	0.070041	3.99			2.96	7.50	2.03
Rimaggio	498.50*	Max WS	UF_Tr200_D1_int	24.09	434.66	435.39	435.76	436.59	0.063661	4.84			4.98	8.75	2.05
Rimaggio	498.50*	Max WS	UF_Tr200_D3_int	18.90	434.66	435.29	435.62	436.37	0.068458	4.59			4.12	8.28	2.08
Rimaggio	498.50*	Max WS	UF_Tr200_D6_int	11.80	434.66	435.13	435.39	436.01	0.079707	4.14			2.85	7.55	2.15
Rimaggio	498	Max WS	UF_Tr200_D1_int	24.09	433.67	434.79	434.86	435.40	0.019187	3.46			6.97	7.09	1.11
Rimaggio	498	Max WS	UF_Tr200_D3_int	18.90	433.67	434.67	434.70	435.16	0.017179	3.08			6.13	6.91	1.05
Rimaggio	498	Max WS	UF_Tr200_D6_int	11.80	433.67	434.49	434.78	435.16	0.013164	2.42			4.88	6.64	0.90
Rimaggio	497	Max WS	UF_Tr200_D1_int	24.09	433.45	434.24	434.61	435.46	0.057207	4.88			4.93	7.32	1.90
Rimaggio	497	Max WS	UF_Tr200_D3_int	18.90	433.45	434.14	434.45	435.18	0.058328	4.53			4.18	7.15	1.89
Rimaggio	497	Max WS	UF_Tr200_D6_int	11.80	433.45	433.97	434.20	434.74	0.060686	3.89			3.04	6.87	1.87
Rimaggio	496.50*	Max WS	UF_Tr200_D1_int	24.09	432.85	433.72	433.96	434.53	0.034886	3.99			6.03	8.81	1.54
Rimaggio	496.50*	Max WS	UF_Tr200_D3_int	18.90	432.85	433.61	433.81	434.31	0.035634	3.72			5.08	8.45	1.53
Rimaggio	496.50*	Max WS	UF_Tr200_D6_int	11.80	432.85	433.43	433.59	433.97	0.037638	3.25			3.64	7.89	1.53
Rimaggio	496	Max WS	UF_Tr200_D1_int	24.09	432.25	433.49		433.74	0.006189	2.23			10.79	9.64	0.67
Rimaggio	496	Max WS	UF_Tr200_D3_int	18.90	432.25	433.37		433.57	0.005224	1.94			9.72	9.48	0.61
Rimaggio	496	Max WS	UF_Tr200_D6_int	11.80	432.25	433.20		433.31	0.003546	1.46			8.10	9.23	0.50
Rimaggio	495	Max WS	UF_Tr200_D1_int	24.09	431.84	432.76	433.37	434.88	0.095775	6.46			3.73	4.82	2.34
Rimaggio	495	Max WS	UF_Tr200_D3_int	18.90	431.84	432.63	433.16	434.49	0.099037	6.04			3.13	4.69	2.36
Rimaggio	495	Max WS	UF_Tr200_D6_int	11.80	431.84	432.44	432.83	433.85	0.104743	5.27			2.24	4.51	2.38
Rimaggio	494	Max WS	UF_Tr200_D1_int	24.09	431.08	432.06	432.29	432.96	0.032190	4.21			5.72	6.12	1.39
Rimaggio	494	Max WS	UF_Tr200_D3_int	18.90	431.08	431.91	432.11	432.69	0.033014	3.92			4.82	6.04	1.40
Rimaggio	494	Max WS	UF_Tr200_D6_int	11.80	431.08	431.69	431.84	432.27	0.034155	3.37			3.50	5.91	1.40
Rimaggio	493	Max WS	UF_Tr200_D1_int	24.09	430.41	431.45	431.88	432.85	0.053045	5.23			4.60	4.98	1.74
Rimaggio	493	Max WS	UF_Tr200_D3_int	18.90	430.41	431.31	431.67	432.51	0.053217	4.85			3.90	4.87	1.73
Rimaggio	493	Max WS	UF_Tr200_D6_int	11.80	430.41	431.09	431.35	431.96	0.052031	4.12			2.86	4.71	1.69
Rimaggio	492.50*	Max WS	UF_Tr200_D1_int	24.08	429.96	430.96	431.29	432.07	0.040995	4.66			5.17	5.75	1.57
Rimaggio	492.50*	Max WS	UF_Tr200_D3_int	18.90	429.96	430.83	431.09	431.76	0.039975	4.27			4.43	5.64	1.54
Rimaggio	492.50*	Max WS	UF_Tr200_D6_int	11.80	429.96	430.60	430.80	431.31	0.043088	3.73			3.16	5.44	1.56
Rimaggio	492	Max WS	UF_Tr200_D1_int	25.34	429.51	430.64	430.75	431.34	0.021581	3.70			6.85	6.70	1.17
Rimaggio	492	Max WS	UF_Tr200_D3_int	20.60	429.51	430.51	430.60	431.11	0.021027	3.43			6.00	6.58	1.15
Rimaggio	492	Max WS	UF_Tr200_D6_int	12.80	429.51	430.27	430.31	430.69	0.020388	2.90			4.42	6.33	1.11
Rimaggio	491.50*	Max WS	UF_Tr200_D1_int	25.34	429.07	430.17	430.50	431.26	0.038921	4.62			5.49	6.07	1.55
Rimaggio	491.50*	Max WS	UF_Tr200_D3_int	20.60	429.07	430.04	430.34	431.02	0.040138	4.39			4.69	5.81	1.56
Rimaggio	491.50*	Max WS	UF_Tr200_D6_int	12.80	429.07	429.79	430.02	430.56	0.042712	3.89			3.29	5.30	1.57
Rimaggio	491	Max WS	UF_Tr200_D1_int	25.34	428.63	429.79	429.65	430.19	0.011004	2.78			9.12	7.92	0.83
Rimaggio	491	Max WS	UF_Tr200_D3_int	20.60	428.63	429.64	429.52	429.99	0.011043	2.59			7.95	7.92	0.83
Rimaggio	491	Max WS	UF_Tr200_D6_int	12.80	428.63	429.38	429.28	429.62	0.010813	2.17			5.89	7.92	0.81
Rimaggio	490.5														
Rimaggio	490	Max WS	UF_Tr200_D1_int	25.34	428.00	429.07	429.25	429.83	0.027371	3.86			6.56	7.71	1.34
Rimaggio	490	Max WS	UF_Tr200_D3_int	20.60	428.00	429.06	429.12	429.58	0.018575	3.17			6.50	7.70	1.10
Rimaggio	490	Max WS	UF_Tr200_D6_int	12.80	428.00	428.94		429.21	0.011693	2.31			5.55	7.67	0.87
Rimaggio	489	Max WS	UF_Tr200_D1_int	25.34	427.54	428.32	428.69	429.52	0.060652	4.84			5.23	8.54	1.98
Rimaggio	489	Max WS	UF_Tr200_D3_int	18.70	427.54	428.21	428.51	429.20	0.063159	4.41			4.24	8.32	1.97
Rimaggio	489	Max WS	UF_Tr200_D6_int	11.89	427.54	428.08	428.29	428.77	0.059847	3.68			3.23	8.10	1.86
Rimaggio	488.50*	Max WS	UF_Tr200_D1_int	25.34	426.24	427.08	427.57	428.82	0.086578	5.85			4.33	7.09	2.39
Rimaggio	488.50*	Max WS	UF_Tr200_D3_int	18.53	426.24	427.23	427.37	427.82	0.024064	3.41			5.43	7.55	1.29
Rimaggio	488.50*	Max WS	UF_Tr200_D6_int	12.79	426.24	427.21		427.51	0.012200	2.41			5.32	7.52	0.91
Rimaggio	488	Max WS	UF_Tr200_D1_int	6.07	424.93	426.45		426.47	0.000663	0.71			8.55	7.20	0.21
Rimaggio	488	Max WS	UF_Tr200_D3_int	11.10	424.93	427.09		427.13	0.000535	0.82	0.15	0.13	14.11	10.62	0.20
Rimaggio	488	Max WS	UF_Tr200_D6_int	12.32	424.93	427.11		427.15	0.000639	0.90	0.17	0.14	14.27	10.72	0.22



ALLEGATI

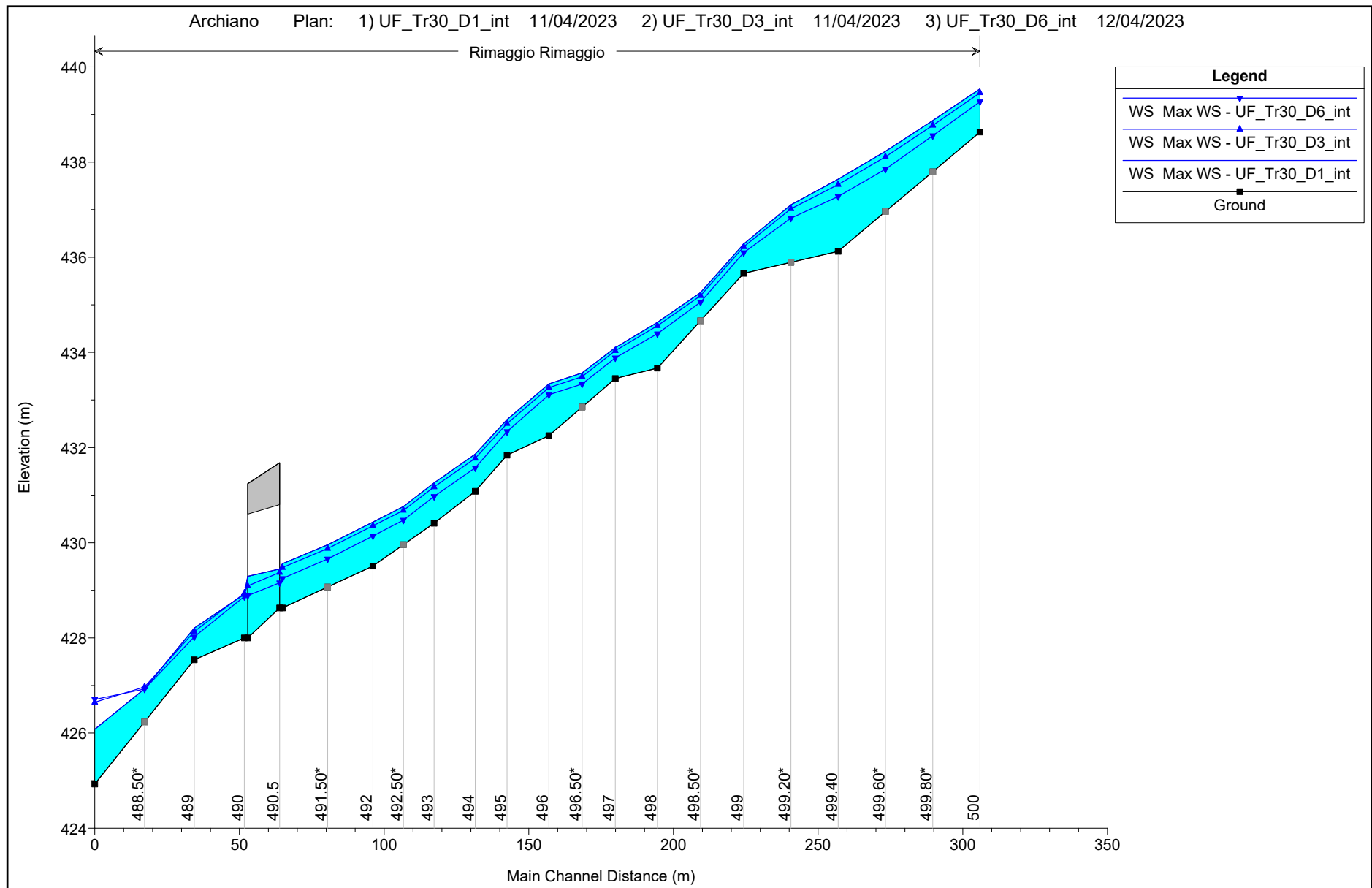
MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIMAGGIO

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Profilo longitudinale





ALLEGATI

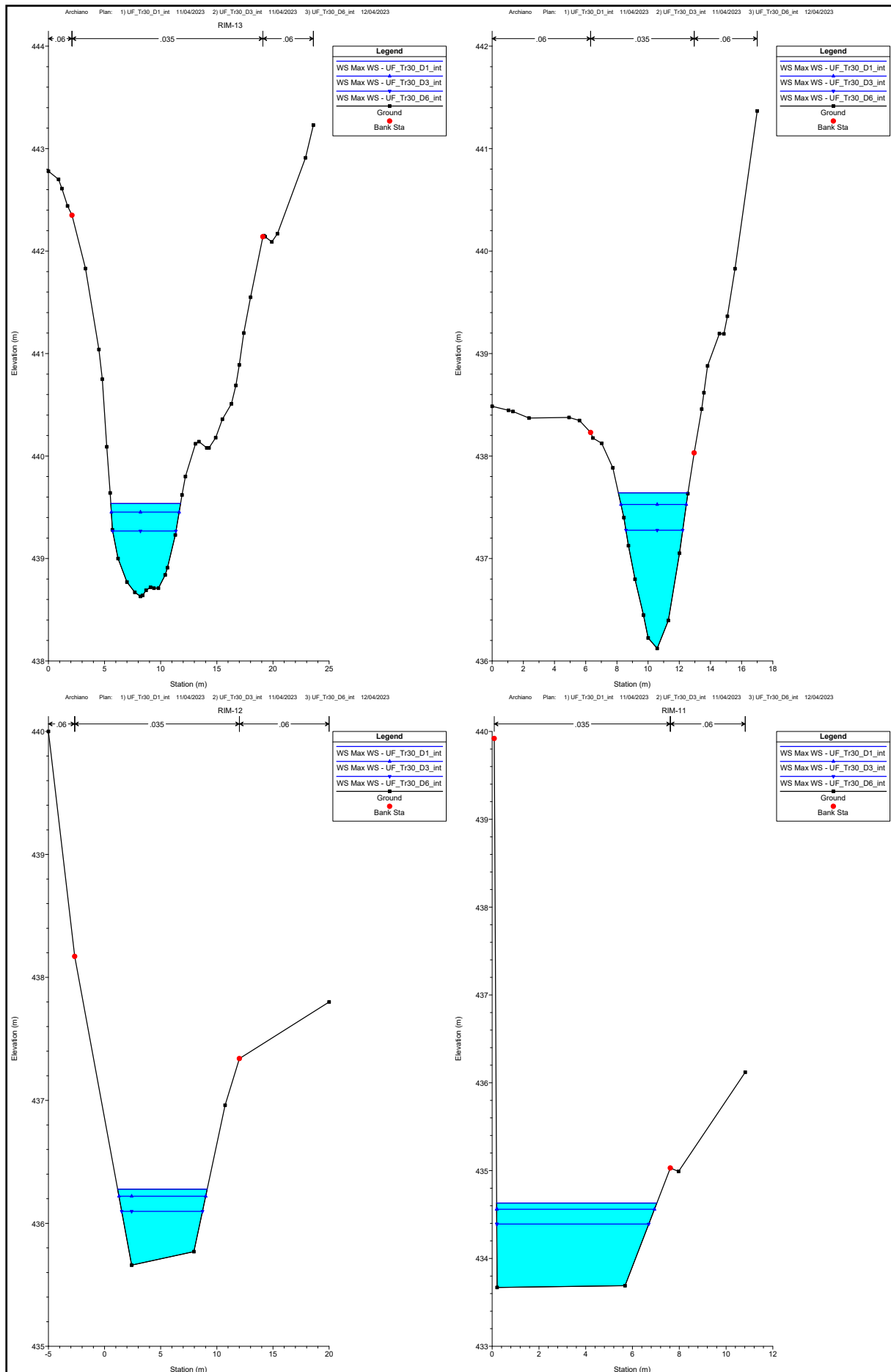
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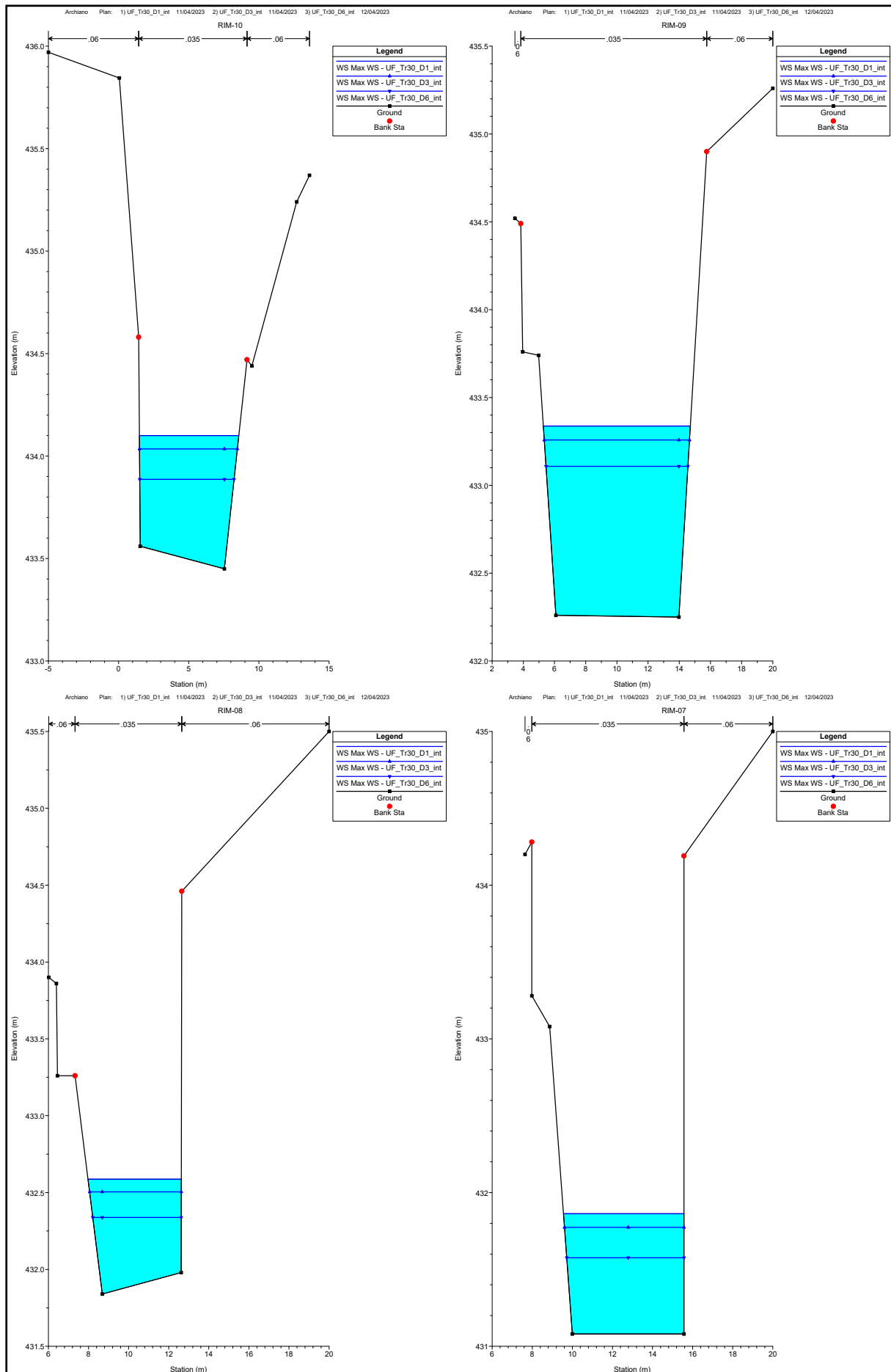
RIMAGGIO

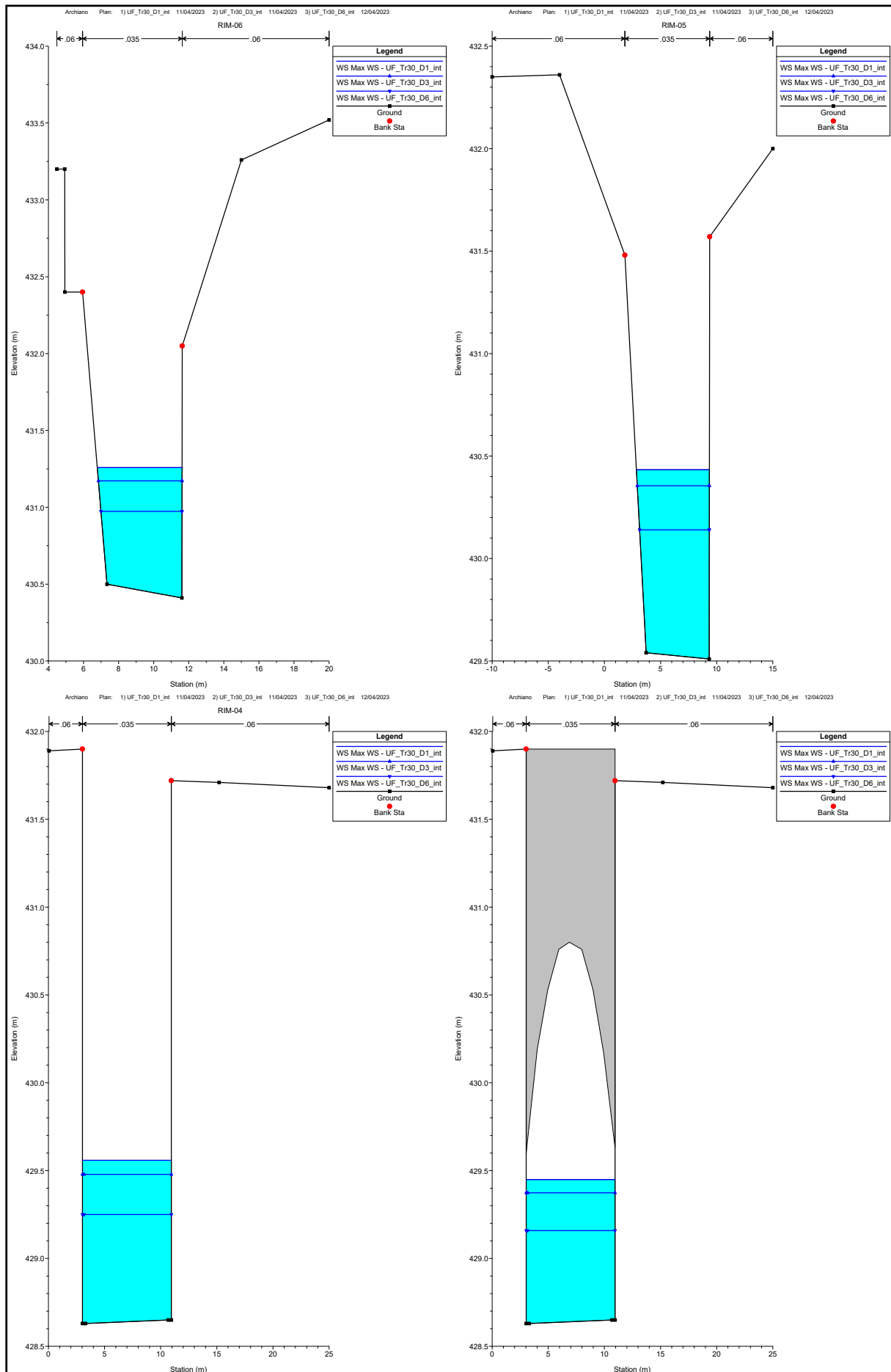
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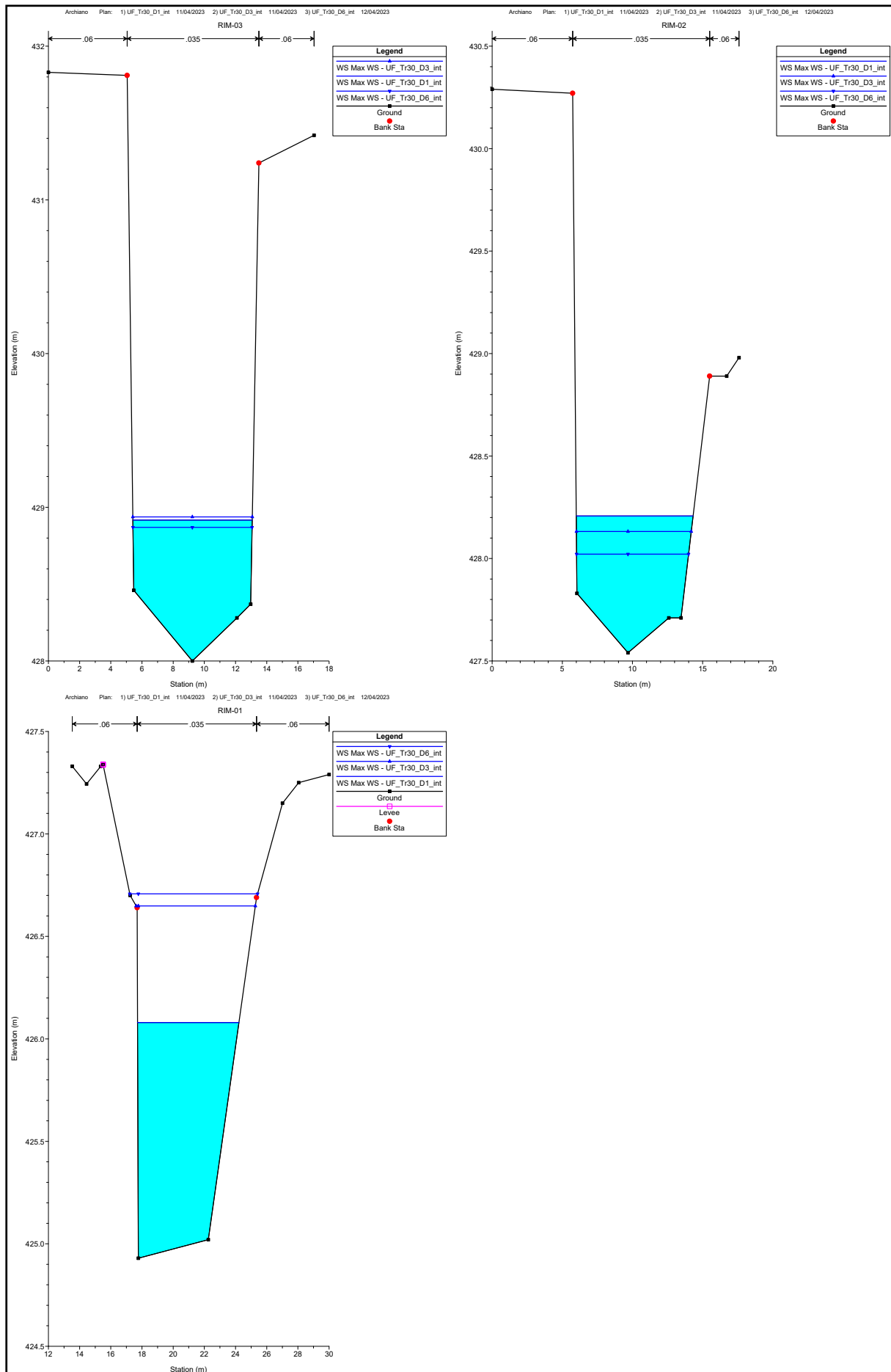
DURATE DI PIOGGIA: 1, 3 e 6 h

Sezioni Trasversali (da monte verso valle)











ALLEGATI

MODELLAZIONE HEC-RAS 6.3.1 "ARCHIANO"

RIMAGGIO

MODELLAZIONE PER TR= 30 anni

DURATE DI PIOGGIA: 1, 3 e 6 h

Dati idraulici

HEC-RAS River: Rimaggio Reach: Rimaggio 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)	Vel Left (m/s)	Vel Right (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rimaggio	500	Max WS	UF_Tr30_D1_int	17.20	438.63	439.54	439.81	440.44	0.041408	4.20			4.10	6.22	1.65
Rimaggio	500	Max WS	UF_Tr30_D3_int	14.20	438.63	439.45	439.70	440.25	0.041928	3.96			3.58	6.04	1.64
Rimaggio	500	Max WS	UF_Tr30_D6_int	8.60	438.63	439.27	439.45	439.87	0.045200	3.44			2.50	5.64	1.65
Rimaggio	499.80*	Max WS	UF_Tr30_D1_int	17.20	437.79	438.87	439.18	439.78	0.041569	4.23			4.07	6.11	1.66
Rimaggio	499.80*	Max WS	UF_Tr30_D3_int	14.20	437.79	438.77	439.04	439.62	0.042675	4.08			3.48	5.63	1.66
Rimaggio	499.80*	Max WS	UF_Tr30_D6_int	8.60	437.79	438.55	438.77	439.24	0.045520	3.65			2.35	4.76	1.66
Rimaggio	499.60*	Max WS	UF_Tr30_D1_int	17.20	436.96	438.22	438.52	439.13	0.038384	4.22			4.07	5.58	1.58
Rimaggio	499.60*	Max WS	UF_Tr30_D3_int	14.20	436.96	438.11	438.38	438.97	0.039487	4.10			3.46	5.04	1.58
Rimaggio	499.60*	Max WS	UF_Tr30_D6_int	8.60	436.96	437.85	438.08	438.57	0.042776	3.75			2.29	4.07	1.60
Rimaggio	499.40	Max WS	UF_Tr30_D1_int	17.20	436.12	437.64	437.93	438.57	0.033684	4.26			4.03	4.46	1.43
Rimaggio	499.40	Max WS	UF_Tr30_D3_int	14.20	436.12	437.53	437.77	438.35	0.032318	4.01			3.55	4.19	1.39
Rimaggio	499.40	Max WS	UF_Tr30_D6_int	8.60	436.12	437.28	437.42	437.85	0.028298	3.35			2.56	3.64	1.28
Rimaggio	499.20*	Max WS	UF_Tr30_D1_int	17.20	435.89	437.10	437.34	437.89	0.032598	3.93			4.37	5.95	1.46
Rimaggio	499.20*	Max WS	UF_Tr30_D3_int	14.20	435.89	437.02	437.21	437.70	0.031143	3.66			3.88	5.71	1.42
Rimaggio	499.20*	Max WS	UF_Tr30_D6_int	8.60	435.89	436.82	436.94	437.30	0.028877	3.06			2.81	5.17	1.33
Rimaggio	499	Max WS	UF_Tr30_D1_int	17.20	435.66	436.28	436.59	437.32	0.069986	4.52			3.81	7.98	2.09
Rimaggio	499	Max WS	UF_Tr30_D3_int	14.20	435.66	436.22	436.50	437.13	0.069390	4.23			3.36	7.73	2.05
Rimaggio	499	Max WS	UF_Tr30_D6_int	8.60	435.66	436.10	436.29	436.73	0.066732	3.53			2.44	7.20	1.94
Rimaggio	498.50*	Max WS	UF_Tr30_D1_int	17.20	434.66	435.26	435.57	436.28	0.069371	4.47			3.84	8.13	2.08
Rimaggio	498.50*	Max WS	UF_Tr30_D3_int	14.20	434.66	435.19	435.47	436.13	0.073968	4.30			3.31	7.82	2.11
Rimaggio	498.50*	Max WS	UF_Tr30_D6_int	8.60	434.66	435.06	435.27	435.78	0.082277	3.76			2.29	7.20	2.13
Rimaggio	498	Max WS	UF_Tr30_D1_int	17.19	433.67	434.63	434.64	435.07	0.016274	2.94			5.85	6.85	1.02
Rimaggio	498	Max WS	UF_Tr30_D3_int	14.20	433.67	434.56	434.53	434.92	0.014310	2.64			5.37	6.75	0.95
Rimaggio	498	Max WS	UF_Tr30_D6_int	8.60	433.67	434.39		434.60	0.010498	2.02			4.26	6.50	0.80
Rimaggio	497	Max WS	UF_Tr30_D1_int	17.20	433.45	434.10	434.40	435.08	0.058669	4.39			3.92	7.08	1.88
Rimaggio	497	Max WS	UF_Tr30_D3_int	14.20	433.45	434.03	434.29	434.89	0.058627	4.10			3.46	6.97	1.86
Rimaggio	497	Max WS	UF_Tr30_D6_int	8.60	433.45	433.89	434.08	434.52	0.063497	3.52			2.44	6.72	1.87
Rimaggio	496.50*	Max WS	UF_Tr30_D1_int	17.19	432.85	433.57	433.76	434.24	0.035982	3.62			4.75	8.33	1.53
Rimaggio	496.50*	Max WS	UF_Tr30_D3_int	14.20	432.85	433.49	433.67	434.10	0.037709	3.45			4.11	8.08	1.55
Rimaggio	496.50*	Max WS	UF_Tr30_D6_int	8.60	432.85	433.34	433.47	433.78	0.039127	2.97			2.90	7.43	1.52
Rimaggio	496	Max WS	UF_Tr30_D1_int	17.19	432.25	433.34		433.51	0.004819	1.83			9.38	9.43	0.59
Rimaggio	496	Max WS	UF_Tr30_D3_int	14.20	432.25	433.26		433.40	0.004230	1.65			8.63	9.32	0.55
Rimaggio	496	Max WS	UF_Tr30_D6_int	8.60	432.25	433.11		433.18	0.002641	1.19			7.25	9.10	0.42
Rimaggio	495	Max WS	UF_Tr30_D1_int	17.19	431.84	432.59	433.09	434.34	0.099231	5.86			2.93	4.65	2.36
Rimaggio	495	Max WS	UF_Tr30_D3_int	14.20	431.84	432.50	432.95	434.09	0.102768	5.57			2.55	4.57	2.38
Rimaggio	495	Max WS	UF_Tr30_D6_int	8.60	431.84	432.34	432.66	433.50	0.108452	4.78			1.80	4.41	2.39
Rimaggio	494	Max WS	UF_Tr30_D1_int	17.19	431.08	431.86	432.05	432.60	0.033015	3.79			4.53	6.01	1.40
Rimaggio	494	Max WS	UF_Tr30_D3_int	14.20	431.08	431.77	431.94	432.42	0.032832	3.55			4.00	5.96	1.38
Rimaggio	494	Max WS	UF_Tr30_D6_int	8.60	431.08	431.58	431.70	432.05	0.035158	3.04			2.83	5.85	1.39
Rimaggio	493	Max WS	UF_Tr30_D1_int	17.19	430.41	431.26	431.60	432.39	0.053644	4.72			3.65	4.84	1.73
Rimaggio	493	Max WS	UF_Tr30_D3_int	14.20	430.41	431.17	431.47	432.16	0.052461	4.40			3.23	4.77	1.71
Rimaggio	493	Max WS	UF_Tr30_D6_int	8.60	430.41	430.97	431.19	431.69	0.053890	3.74			2.30	4.62	1.70
Rimaggio	492.50*	Max WS	UF_Tr30_D1_int	17.09	429.96	430.76	431.03	431.67	0.042791	4.22			4.05	5.58	1.58
Rimaggio	492.50*	Max WS	UF_Tr30_D3_int	14.20	429.96	430.68	430.91	431.47	0.042220	3.95			3.60	5.51	1.56
Rimaggio	492.50*	Max WS	UF_Tr30_D6_int	8.60	429.96	430.48	430.65	431.09	0.047978	3.46			2.49	5.33	1.62
Rimaggio	492	Max WS	UF_Tr30_D1_int	17.92	429.51	430.43	430.51	430.98	0.020737	3.26			5.49	6.50	1.13
Rimaggio	492	Max WS	UF_Tr30_D3_int	15.50	429.51	430.36	430.42	430.85	0.020733	3.11			4.99	6.42	1.13
Rimaggio	492	Max WS	UF_Tr30_D6_int	9.30	429.51	430.14	430.17	430.47	0.019591	2.56			3.63	6.21	1.07
Rimaggio	491.50*	Max WS	UF_Tr30_D1_int	17.92	429.07	429.96	430.23	430.88	0.040946	4.24			4.22	5.64	1.57
Rimaggio	491.50*	Max WS	UF_Tr30_D3_int	15.50	429.07	429.88	430.13	430.73	0.042050	4.10			3.78	5.48	1.58
Rimaggio	491.50*	Max WS	UF_Tr30_D6_int	9.30	429.07	429.66	429.85	430.30	0.043723	3.54			2.63	5.05	1.57
Rimaggio	491	Max WS	UF_Tr30_D1_int	17.91	428.63	429.56	429.44	429.87	0.010972	2.46			7.28	7.92	0.82
Rimaggio	491	Max WS	UF_Tr30_D3_int	15.50	428.63	429.48	429.37	429.76	0.010890	2.33			6.64	7.92	0.81
Rimaggio	491	Max WS	UF_Tr30_D6_int	9.30	428.63	429.25	429.16	429.44	0.010609	1.92			4.83	7.92	0.79
Rimaggio	490.5														
Rimaggio	490	Max WS	UF_Tr30_D1_int	17.91	428.00	428.92	429.04	429.49	0.025507	3.34			5.36	7.66	1.27
Rimaggio	490	Max WS	UF_Tr30_D3_int	15.43	428.00	428.94	428.96	429.34	0.017272	2.79			5.52	7.66	1.05
Rimaggio	490	Max WS	UF_Tr30_D6_int	9.30	428.00	428.87		429.05	0.008546	1.86			5.00	7.64	0.73
Rimaggio	489	Max WS	UF_Tr30_D1_int	17.91	427.54	428.21	428.48	429.11	0.057433	4.21			4.25	8.33	1.88
Rimaggio	489	Max WS	UF_Tr30_D3_int	14.61	427.54	428.13	428.38	428.96	0.062623	4.03			3.63	8.19	1.93
Rimaggio	489	Max WS	UF_Tr30_D6_int	8.81	427.54	428.02	428.18	428.55	0.055484	3.22			2.73	7.98	1.76
Rimaggio	488.50*	Max WS	UF_Tr30_D1_int	17.91	426.24	426.93	427.35	428.41	0.092543	5.38			3.33	6.54	2.41
Rimaggio	488.50*	Max WS	UF_Tr30_D3_int	14.98	426.24	426.97	427.25	427.86	0.052089	4.17			3.59	6.68	1.82
Rimaggio	488.50*	Max WS	UF_Tr30_D6_int	9.30	426.24	426.93	427.02	427.33	0.025577	2.82			3.30	6.52	1.26
Rimaggio	488	Max WS	UF_Tr30_D1_int	3.91	424.93	426.08		426.10	0.000737	0.65			6.02	6.50	0.22
Rimaggio	488	Max WS	UF_Tr30_D3_int	7.23	424.93	426.65		426.68	0.000602	0.72	0.01		10.03	7.65	0.20
Rimaggio	488	Max WS	UF_Tr30_D6_int	8.38	424.93	426.71		426.74	0.000707	0.80	0.05	0.02	10.50	8.20	0.22