I.02.01

INDAGINI IDROLOGICHE IDRAULICHE

I.02 - MODELLO 02 - RETICOLO SECONDARIO
AVANE FILETTOLE

RELAZIONE IDROLOGICA IDRAULICA

COMUNE DI VECCHIANO

PIANO STRUTTURALE

maggio 2025

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1. PREMESSA

La presente relazione tecnica descrive il modello implementato per la definizione della pericolosità idraulica della porzione del territorio del Comune di Vecchiano, che interessa gli agglomerati di Avane e Filettole, indotta dal reticolo secondario interferente con il suddetto territorio urbanizzato, denominato MODELLO 02.

2. AREA DI INDAGINE E QUADRO CONOSCITIVO

Le aree indagate riguardano gli abitati di Avane e Filettole (Figura 2-1).

Ai fini di determinare le condizioni di allagabilità delle aree di interesse ad opera del reticolo secondario è stato condotto uno specifico studio idrologico idraulico, denominato MODELLO 02.

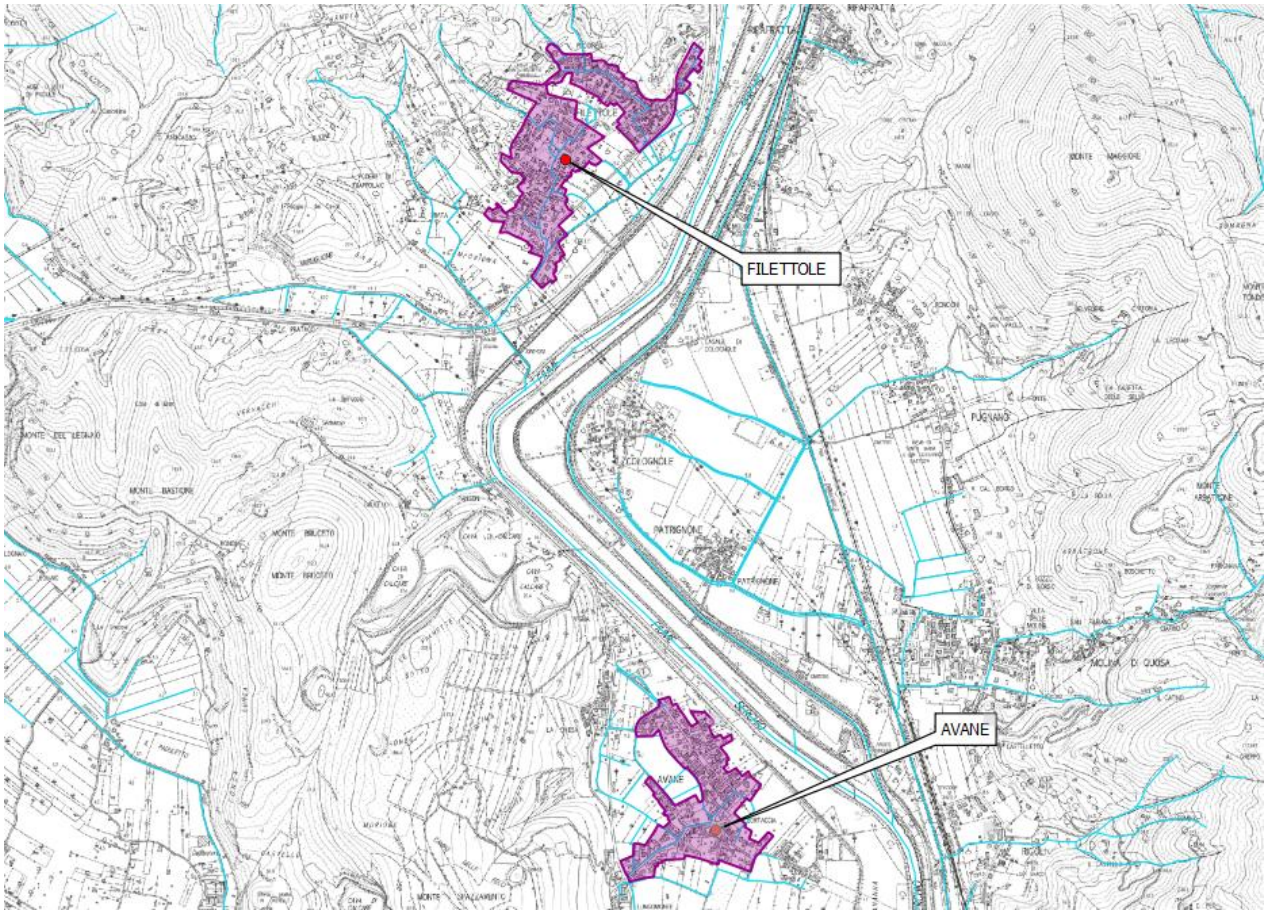


Figura 2-1: MODELLO 02 - Inquadramento aree di indagine

2.1 RACCOLTA DEI DATI DISPONIBILI

I dati utilizzati per la caratterizzazione del territorio ai fini della modellazione provengono da datasets pubblici disponibili su web.

Di seguito si riporta un elenco sintetico dei dati utilizzati ai fini della caratterizzazione fisica:

- Reticolo idrografico e di gestione, Regione Toscana L.R. 79/2012 – Del. Consiglio 53/2023;
- Curve LSPP – "Accordo di collaborazione Scientifica RT-UNIFI – Analisi di frequenza regionale delle precipitazioni estreme" DGRT 1133/12;
- Carta Uso e Copertura del Suolo – Regione Toscana – agg. 2016;

- "Modello Idrologico distribuito sviluppato dal Dipartimento di Ingegneria civile ed Ambientale in uso presso il Centro Funzionale della Regione Toscana per la previsione degli eventi di piena in tempo reale (MOBIDIC)" Regione Toscana DGRT 1133/2012 – Valori di conducibilità idraulica satura dei suoli;
- Rilievo LIDAR 1x1 m Regione Toscana – voli 2006 e 2010;
- Rilievi topografici disponibili sui reticoli fluviali (sezioni ed opere idrauliche).

2.2 RETICOLO DI STUDIO

A partire dal reticolo idrografico individuato dalla Regione Toscana ai sensi della L.R.79/2012, aggiornato con Delibera di Consiglio 55/2023 ed attualmente vigente, sono stati individuati ed analizzati i principali corsi d'acqua che concorrono potenzialmente a definire le condizioni di allagabilità del territorio di interesse, in riferimento al reticolo secondario, così come definito ai sensi dell'art.5 della Disciplina di Piano del PGRA dell'Autorità di Bacino Distrettuale dell'Appennino Settentrionale.

Da una attenta analisi dei dati esistenti, degli studi e dei progetti pregressi e della loro potenziale influenza sull'allagabilità delle aree di interesse sono stati indagati i seguenti reticoli:

Sistema acque loc. Avane:
- FOSSO CAFAGGIO
- FOSSO CIMITERO
- FOSSO MASCAGNI
- FOSSO FALCIAIA
- FOSSO STELLONE
- FOSSO CORTACCIA
- FOSSO VERDI
- FOSSO MOLINI
- FOSSO CASAPIERI

Sistema acque loc. Filettole:
- FOSSO ACQUEDOTTI
- FOSSO AUTOSTRADA
- FOSSO 3
- FOSSO FIUMACCIA
- FOSSO GALILEI TRASVERSALE 1
- FOSSO GALILEI TRASVERSALE 2
- FOSSO ROTINA
- FOSSO FILETTOLE
- FOSSO SP LUNGOMONTE
- RIO DELLE BUCINE
- FOSSO PIASTRAIA
- FOSSO CAMPO SPORTIVO
- FOSSO RADICATA
- FOSSO BRUCETO
- FOSSO MONTICELLO

La caratterizzazione geometrica dei corsi d'acqua deriva da una campagna di rilievo eseguita a supporto delle indagini (Hera srl, anno 2019), opportunamente integrata da studi pregressi (fossi loc. Filettole) forniti dall'Amministrazione Comunale e dal Consorzio di Bonifica Toscana Nord.

In particolare, si è fatto riferimento allo "Studio idrologico e idraulico dell'area di Filettole nel Comune di Vecchiano in sponda destra del Fiume Serchio e definizione degli interventi di messa in sicurezza" redatto da Physis nel 2005.

Nelle tabelle seguenti sono riportati, per ogni corso d'acqua, la lunghezza del tratto ed il numero di sezioni fluviali utilizzate, nonché la provenienza del dato topografico.

Corso d'acqua	***Lunghezza [m]***	***Sezioni***	***Provenienza dato topografico***
FOSSO CAFAGGIO	345	12	Hera srl (rilievo 2019)
FOSSO CIMITERO	115	8	Hera srl (rilievo 2019)
FOSSO MASCAGNI	105	9	Hera srl (rilievo 2019)
FOSSO FALCIAIA	1355	17	Hera srl (rilievo 2019)
FOSSO STELLONE	330	18	Hera srl (rilievo 2019)
FOSSO CORTACCIA	385	7	Hera srl (rilievo 2019)
FOSSO VERDI	875	6	Hera srl (rilievo 2019)
FOSSO MOLINI	785	39	Hera srl (rilievo 2019)
FOSSO CASAPIERI	50	2	Hera srl (rilievo 2019)

Tabella 2-1: MODELLO 02 - Reticolo secondario oggetto di studio - loc. Avane

Corso d'acqua	***Lunghezza [m]***	***Sezioni***	***Provenienza dato topografico***
FOSSO ACQUEDOTTI	885	31	Hera srl (rilievo 2019)
FOSSO AUTOSTRADA	965	7	Hera srl (rilievo 2019)
FOSSO 3	85	4	Hera srl (rilievo 2019) + Physis (2005)
FOSSO FIUMACCIA	(contributo inserito nella modellazione 2D)		
FOSSO GALILEI TRASVERSALE 1	120	4	Hera srl (rilievo 2019)
FOSSO GALILEI TRASVERSALE 2	85	7	Hera srl (rilievo 2019)
FOSSO ROTINA	(studio e risultati mutuati da Variante RU d.c.c. n.2 del 31/01/2024)		
FOSSO FILETTOLE	630	8	Hera srl (rilievo 2019) + Physis (2005)
FOSSO SP LUNGOMONTE	360	21	Hera srl (rilievo 2019)
RIO DELLE BUCINE	1280	40	Hera srl (rilievo 2019) + Physis (2005)
FOSSO PIASTRAIA	(solo contributo idrologico)		
FOSSO CAMPO SPORTIVO	280	2	Hera srl (rilievo 2019)
FOSSO RADICATA	1090	28	Hera srl (rilievo 2019) + Physis (2005)
FOSSO BRUCETO	315	13	Hera srl (rilievo 2019)
FOSSO MONTICELLO	815	11	Hera srl (rilievo 2019)

Tabella 2-2: MODELLO 02 - Reticolo secondario oggetto di studio - loc. Filettole

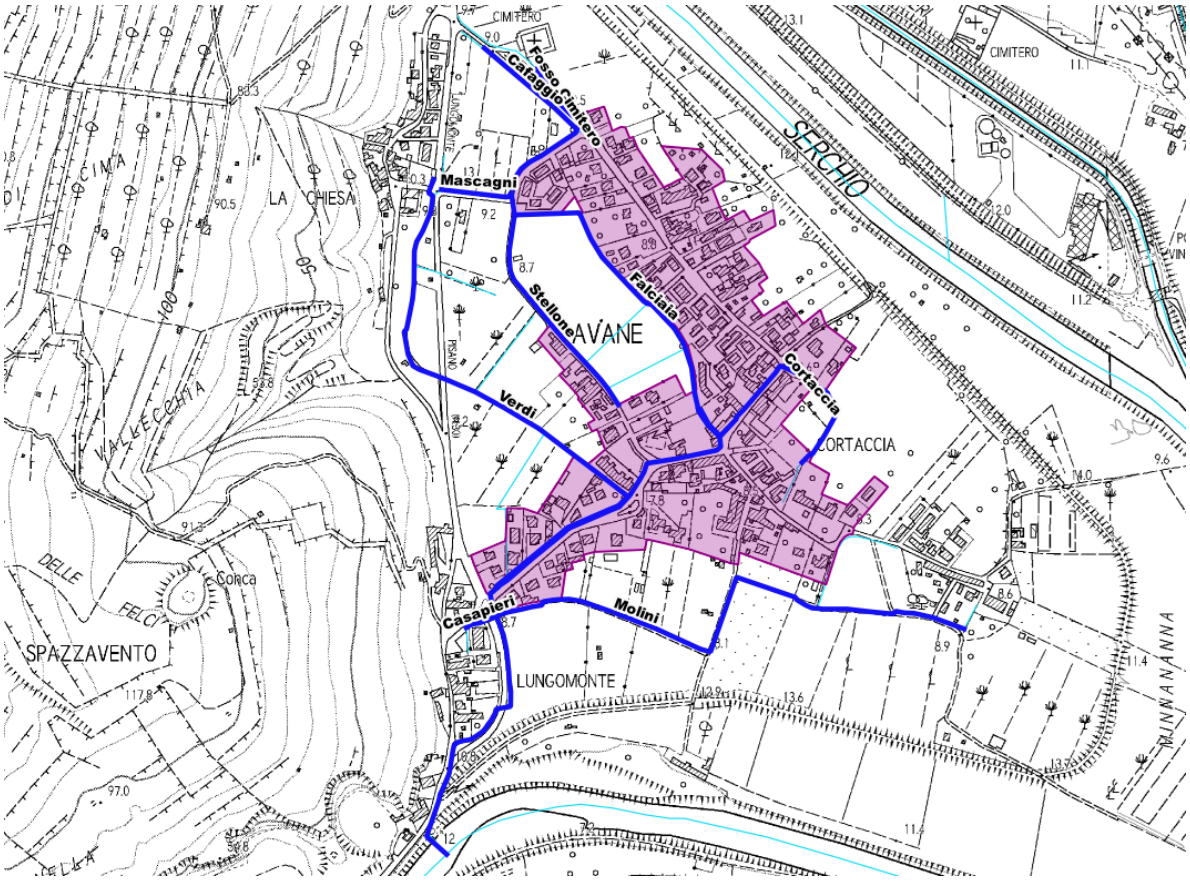


Figura 2-2: MODELLO 02 - Inquadramento reticolo secondario oggetto di studio loc. Avane

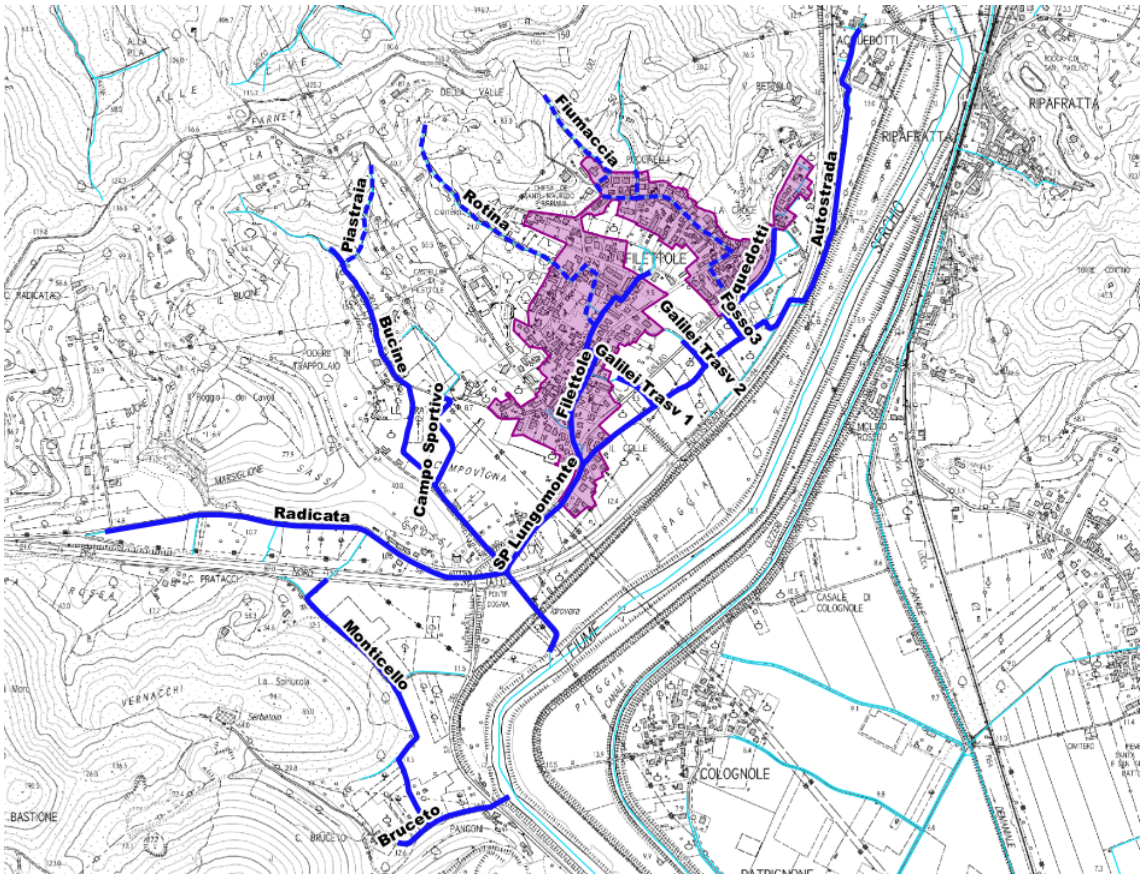


Figura 2-3: MODELLO 02 - Inquadramento reticolo secondario oggetto di studio loc. Filettole

3. APPROCCIO METODOLOGICO

Al fine di simulare la dinamica idraulica complessiva del sistema di acque alte e di bonifica che insiste sulle aree di indagine, si è scelto di implementare un modello idraulico accoppiato 1D-2D, che utilizza una modellazione monodimensionale in alveo sui reticoli più significativi e simula la dinamica di propagazione dei deflussi sul territorio circostante mediante modellazione 2D su base Lidar. Gli input idrologici al modello sono costituiti da idrogrammi di piena calcolati a partire dai valori di pioggia netta attesi sul bacino di indagine. Le simulazioni riguardano eventi meteorici sintetici caratterizzati da tempi di ritorno pari a 30 e 200 anni di durata variabile da 0.5 a 6 ore, in modo tale da massimizzare gli effetti attesi in termini di portate di picco e volumi di esondazione.

4. MODELLAZIONE IDROLOGICA

4.1 DEFINIZIONE DEL REGIME PLUVIOMETRICO

L'input di altezza di pioggia è stato definito attraverso l'utilizzo delle LSPP regionali approvate con DGRT 1133/12.

Nella Tabella 4-1 seguente sono riportate le altezze di pioggia (in mm) calcolate secondo la metodologia individuata dalla Regione Toscana. Per ogni tempo di ritorno considerato sono riportate le altezze di pioggia al variare della durata dell'evento meteorico considerato. Data la modesta variabilità dei valori di pioggia, si è assunto un unico valore di pioggia per ciascuno dei tre macro-bacini rappresentati in Figura 4-1, che ricomprendono rispettivamente i bacini idrografici dei reticoli che insistono nelle aree di Filettole (cod. 1000), Monte Bruceto (cod. 2000) e Avane (cod. 3000), ricavato come media pesata dei valori di pioggia attesi nelle celle di discretizzazione dello studio di regionalizzazione.

Data la modesta estensione dei bacini idrografici presi in esame, è stato fissato un coefficiente di ragguaglio areale K_R=1.

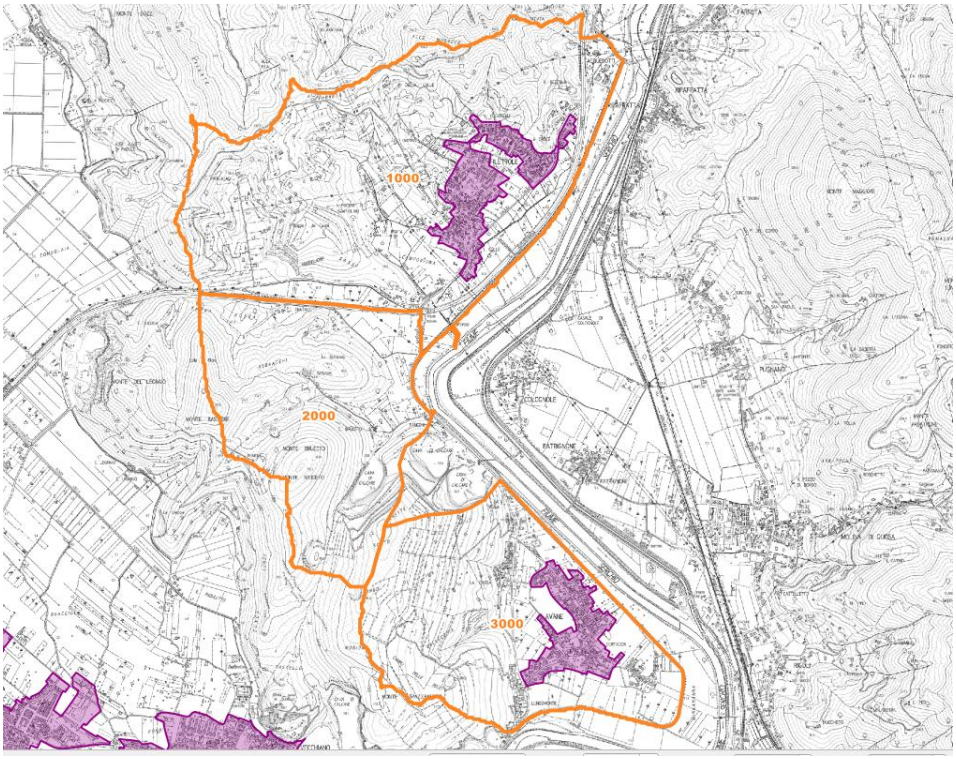


Figura 4-1: MODELLO 02 - Inquadramento macro-bacini per stima degli input pluviometrici

			pioggia lorda [mm]	
Bacino	Codice	durata [h]	TR30 anni	TR200 anni
BUCINE	1000	0.5	55.9	76.4
		1	67.8	94.3
		3	92.0	131.7
		6	111.6	162.7
BRUCETO	2000	0.5	56.1	76.7
		1	67.8	94.4
		3	91.6	131.2
		6	110.8	161.4
AVANE	3000	0.5	55.3	75.6
		1	67.2	93.6
		3	91.6	131.1
		6	111.3	162.1

Tabella 4-1: MODELLO 02 - Altezze di pioggia lorda (mm) per eventi TR=30-200 anni e durate di pioggia 0.5-6.0h

4.2 STIMA DELLE PERDITE IDROLOGICHE

Per il calcolo delle perdite idrologiche si è utilizzato il modello di infiltrazione asintotico a soglia, il quale richiede la stima di due parametri:

- *Ia* (mm), volume unitario di perdita iniziale che il terreno assorbe durante i primi istanti di precipitazione;
- *Ks* (mm/h), coefficiente di infiltrazione a saturazione.

Per la stima del parametro *Ia* si è utilizzata la formula indicata nella procedura di Regionalizzazione delle Portate di Piena della Regione Toscana, funzione dell'uso del suolo del bacino:

$$Ia = 3.3+22P_{ab}$$

dove P_{ab} rappresenta la percentuale di area boscata del bacino, derivata dalla carta dell'Uso e Copertura del Suolo – Regione Toscana - 2016 (codici ucs 311-312-313).

Il parametro *Ks* (mm/h) è stato stimato a partire dai valori di conducibilità idraulica satura (K150) definiti su tutto il territorio della Regione Toscana nell'ambito del *"Modello Idrologico distribuito sviluppato dal Dipartimento di Ingegneria civile ed Ambientale in uso presso il Centro Funzionale della Regione Toscana per la previsione degli eventi di piena in tempo reale (MOBIDIC)".*

Il calcolo della pioggia netta è stato effettuato per ogni bacino idrografico dei reticoli di studio (rif. Figura 4-2).

I risultati completi della parametrizzazione idrologica appena descritta sono riportati in tabella seguente.

Codice	Bacino	Area [kmq]	Ia [mm]	Ks [mm/h]
1001	RADICATA	0.718	6.801	0.829
1002	BUCINE_MONTE	0.801	7.449	0.774
1003	FILETTOLE	0.396	7.513	1.489
1004	FIUMACCIA	0.346	17.087	5.274
1005	GALILEI	0.377	11.377	2.188
1006	INTERBACINO	0.284	3.302	0.579
1000	BUCINE	2.924	15.298	1.581
2000	BRUCETO	1.477	16.674	0.701
3000	AVANE	1.664	4.360	0.656
3001	VERDI	0.824	5.387	0.822
3002	FALCIAIA	0.401	3.300	0.409
3003	MOLINI	0.274	3.300	0.543
3004	INTERBACINO	0.166	3.300	0.615

Tabella 4-2: MODELLO 02 - Parametri per la stima delle perdite idrologiche

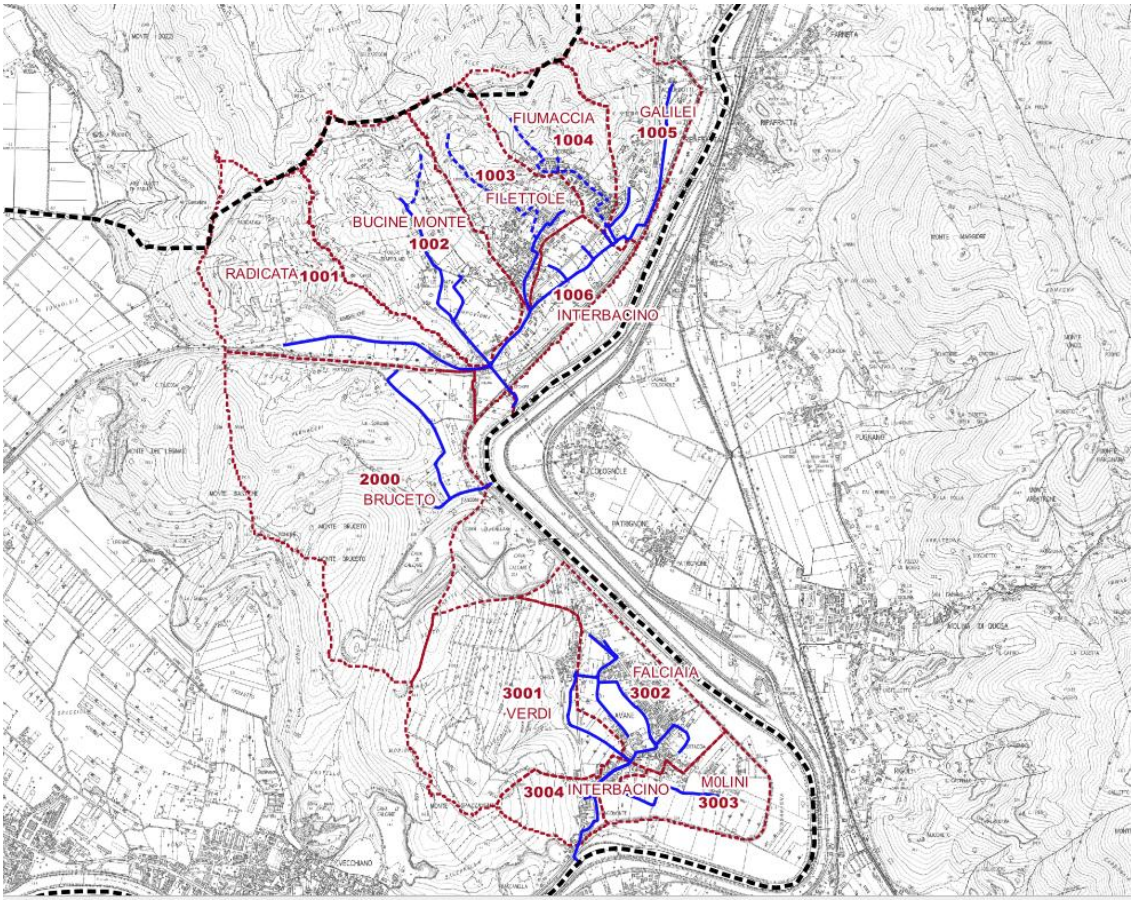


Figura 4-2: MODELLO 02 - Inquadramento bacini idrologici

4.3 IETOGRAMMI DI PROGETTO

Gli input pluviometrici del modello idrologico sono costituiti da ietogrammi sintetici per eventi con tempi di ritorno e durate prefissate. Per le durate di pioggia più brevi (0.5-1.0h) lo ietogramma è stato assunto a forma triangolare con picco in posizione 0.5d, che ben rappresenta episodi di pioggia brevi e intensi, mentre per le durate superiori è stato assunto ad intensità costante, che ben caratterizza i fenomeni di precipitazione prolungati (3-6h).

4.4 MODELLO DI TRASFORMAZIONE AFFLUSSI-DEFLUSSI

Come modello di trasformazione afflussi-deflussi è stato adottato l'idrogramma istantaneo unitario geomorfologico (GIUH), i cui parametri n e k sono stati ricavati dalla gerarchizzazione (rif. APPENDICE 1 - MODELLAZIONE IDROLOGICA). Una sintesi dei parametri utilizzati è riportata in Tabella 4-3 seguente.

Codice	*Bacino*	*Area [kmq]*	*n*	*k*
1001	RADICATA	0.718	3.140	0.066
1002	BUCINE_MONTE	0.801	1.483	0.156
1003	FILETTOLE	0.396	2.839	0.174
1004	FIUMACCIA	0.346	2.453	0.138
1005	GALILEI	0.377	2.926	0.205
1006	INTERBACINO	0.284	2.902	0.379
1000	BUCINE	2.924	2.902	0.203
2000	BRUCETO	1.477	3.327	0.060
3000	AVANE	1.664	3.127	0.158
3001	VERDI	0.824	2.325	0.646
3002	FALCIAIA	0.401	2.924	0.100
3003	MOLINI	0.274	2.568	0.081
3004	INTERBACINO	0.166	3.127	0.110

Tabella 4-3: MODELLO 02 – Parametri GIUH

4.5 IDROGRAMMI DI PROGETTO

Gli idrogrammi risultanti dalla modellazione idrologica sopra descritta, calcolati per eventi sintetici caratterizzati da tempi di ritorno pari a 30 e 200 anni e durata variabile da 0.5 a 6 ore, sono riportati in forma grafica in APPENDICE 1 - MODELLAZIONE IDROLOGICA e sintetizzati in termini di valori di picco in Tabella 4-4.

Codice	*Bacino*	*portate di picco TR=30 anni [mc/s]*				*portate di picco TR=200 anni [mc/s]*			
		d=0.5h	*d=1.0h*	*d=3.0h*	*d=6.0h*	*d=0.5h*	*d=1.0h*	*d=3.0h*	*d=6.0h*
1001	RADICATA	28.0	21.8	5.9	3.5	39.3	30.7	8.6	5.2
1002	BUCINE_MONTE	23.7	19.5	6.1	3.6	33.5	27.6	8.8	5.3
1003	FILETTOLE	8.0	8.2	3.2	1.9	11.4	11.8	4.7	2.8
1004	FIUMACCIA	7.3	7.2	2.4	1.3	11.2	10.9	3.7	2.1
1005	GALILEI	5.9	6.5	3.0	1.7	8.6	9.6	4.4	2.6
1006	INTERBACINO	3.0	3.5	2.3	1.4	4.1	4.9	3.4	2.1
1000	BUCINE	42.6	48.8	23.6	13.8	64.4	73.1	34.4	20.7
2000	BRUCETO	49.6	42.7	12.2	7.3	74.1	62.0	17.6	10.7
3000	AVANE	36.0	36.5	13.8	8.3	50.3	51.4	19.9	12.2
3001	VERDI	12.2	9.9	3.6	2.2	16.9	13.9	5.2	3.2
3002	FALCIAIA	13.1	11.0	3.4	2.0	18.1	15.4	4.8	3.0
3003	MOLINI	10.5	8.1	2.2	1.3	14.5	11.3	3.2	2.0
3004	INTERBACINO	4.9	4.3	1.4	0.8	6.8	6.1	2.0	1.2

Tabella 4-4: MODELLO 02 – Portate di picco

5. MODELLAZIONE IDRAULICA

Il software utilizzato per la modellazione idraulica è HEC-RAS 5.0.7 distribuito da US Army Corps of Engineers. Il modello permette di effettuare analisi idrauliche accoppiate mono-bidimensionali, indicate per la simulazione degli eventi di piena in cui il flusso nell'alveo fluviale viene schematizzato con un moto 1D, mentre la propagazione della piena sulle aree inondabili, attraverso un moto 2D.

5.1 GEOMETRIA

Il modello idraulico implementato ricomprende la caratterizzazione geometrica schematizzata mediante sezioni fluviali e la modellazione numerica monodimensionale delle seguenti aste fluviali:

Sistema loc. Avane:
Fosso Cafaggio
Fosso del Cimitero
Fosso Mascagni
Fosso Falciaia
Fosso Stellone
Fosso Cortaccia
Fosso Verdi
Fosso Molini
Fosso Casapieri

Sistema loc. Filettole:
Fosso Acquedotti
Fosso Autostrada
Fosso 3 (a valle del tratto tombato)
Fosso Galilei Trasversale 1
Fosso Galilei Trasversale 2
Fosso Filettole
Fosso SP Lungomonte
Rio Delle Bucine
Fosso Campo Sportivo
Fosso Radicata
Fosso Bruceto
Fosso Monticello

Per quanto riguarda i reticoli di loc. Filettole, si precisa che il Fosso Piastraia è stato valutato solo dal punto di idrologico inserendo il suo contributo di portata sul Rio delle Bucine nel punto di confluenza. Per quanto riguarda invece il Fosso Fiumaccia e il Fosso 3 a monte del tratto tombato, come meglio argomentato al paragrafo seguente, è stata fatta una stima della portata smaltibile dalla sezione di imbocco dei due reticoli e utilizzata in input in testa al tratto terminale del Fosso 3, inserita come asta nella modellazione monodimensionale, mentre le portate eccedenti sono state direttamente inserite nell'area 2D nel punto di imbocco del tombamento come apporto ai deflussi superficiali sul territorio.
È stato escluso dalla modellazione il Fosso Rotina, in quanto oggetto di studio di dettaglio a supporto della Variante RU, d.c.c. n.2 del 31/01/2024, da cui sono stati mutuati i risultati in termini di aree allagate e relativi battenti e velocità. Nel modello idraulico è stato pertanto inserito soltanto il suo contributo di portata idraulica alla confluenza con il Fosso Filettole.

La caratterizzazione geometrica dei corsi d'acqua è stata mutuata da sezioni di rilievo eseguite nel 2019 a supporto delle indagini, integrate laddove necessario dalle informazioni geometriche recepite dallo studio Physis del 2005, così come riportato in Tabella 2-1.

Su ciascuna sezione è stata individuata la quota di "sfioro" (quote del massimo contenimento delle acque in alveo), in destra e sinistra idraulica, che rappresenta l'informazione necessaria al software HEC-RAS per l'accoppiamento del modello monodimensionale a quello bidimensionale.

Il territorio potenzialmente soggetto ad allagabilità, modellato tramite un DTM ricavato da Lidar ricomprende un areale complessivo di circa 2.2 Kmq, di cui circa 0.85 Kmq in loc. Avane e 1.35 Kmq in loc. Filettole. La risoluzione massima della cella di calcolo delle mesh è pari a 5x5 m. Ove necessario, la mesh è stata ulteriormente infittita e dettagliata sino ad una risoluzione di 1x1 m, e sono state inserite inoltre delle breaklines in corrispondenza dei limiti significativi aventi funzionalità idraulica (reticoli idraulici minori, viabilità, attraversamenti, ecc…).

Nel modello sono state inserite le idrovore presenti sul Rio delle Bucine a Filettole e sul Fosso Falciaia ad Avane (pompe e paratoie) e le paratoie sul Bruceto a monte della confluenza nel F. Serchio, ipotizzando il loro funzionamento in occasione di eventi che coinvolgono anche un innalzamento significativo di livello idrometrico sul reticolo principale (durate 3-6 ore). In tali occasioni, i deflussi del Bruceto e del suo affluente Monticello convergono verso l'idrovora del Bucine tramite un sottopasso dell'autostrada, che è stato inserito come struttura nel modello idraulico.

I tratti dei corsi d'acqua oggetto di studio, le sezioni fluviali, le connessioni idrauliche e il dominio delle aree 2D sono riportati nell'elaborato *I.02.02 – Planimetria Modello Idraulico.*

5.2 CONDIZIONI AL CONTORNO

Le simulazioni idrauliche implementate fanno riferimento ad eventi con TR=30-200 anni di durata pari a 0.5-1-3-6 ore.

Le condizioni al contorno del modello idraulico sono rappresentate da:

- Sollecitazioni idrologiche in testa ad ogni reticolo simulato idraulicamente;
- Immissioni idrologiche puntuali in corrispondenza delle confluenze con corsi d'acqua non oggetto di simulazione idraulica;
- Immissioni idrologiche distribuite, nel caso di contributo derivante da un interbacino che non presenta un reticolo idrografico di riferimento;
- Condizioni al contorno di valle.

Gli input idrologici sono stati stimati a partire dagli idrogrammi di portata ricavati dall'analisi idrologica associando un peso a ciascun contributo.

In Tabella 5-1 e Tabella 5-2 e si riporta l'elenco degli input idrologici utilizzati nella modellistica idraulica, in cui è indicato il corso d'acqua di riferimento, il tipo di immissione (puntuale o distribuito), la/e sezione/i sollecitate, la codifica del bacino che lo genera ed il peso attribuito.

Tipologia Immissione	*Corso d'acqua*	*Da sezione*	*A sezione*	*Codice Idrogramma*	*%*
Distribuita	CAFAGGIO	00034__19	00017__19*	3002	12.5%
Distribuita	CAFAGGIO	00016__19	00003__19*	3002	12.5%
Distribuita	CIMITERO	00009PB19	00003PC19	3002	5%
Distribuita	MASCAGNI	00009__19	00001PC19	3002	2%
Distribuita	CORTACCIA	00034PC19	00021PB19	3002	22%
Distribuita	FALCIAIA	00135__19*	00095__19	3002	25%
Distribuita	FALCIAIA	00090PB19	00090PC19	3002	8%
Distribuita	FALCIAIA	00045PB19	00043PB19	3004	17%
Distribuita	FALCIAIA	00041__19*	00014PB19	3004	53%
Puntuale	CASAPIERI	00036PB19	---	3004	30%
Distribuita	MOLINI	00078PB19	00003PC19	3003	100%
Distribuita	STELLONE	00033PC19	00002PC19	3002	13%
Distribuita	VERDI	00063PB19	00006PB19	3001	100%

Tabella 5-1: MODELLO 02 – Condizioni idrauliche al contorno – Reticoli loc. Avane

Tipologia Immissione	*Corso d'acqua*	*Da sezione*	*A sezione*	*Codice Idrogramma*	*%*
Puntuale	RADICATA	00086__19	---	1001	70%
Distribuita	RADICATA	00071__19	00002PC19	1001	30%
Puntuale	BUCINE	00133__19	---	1002	25%
Puntuale	BUCINE	00129__05	---	1002	9%
Distribuita	BUCINE	00129__05	00061PC19	1002	30%
Distribuita	BUCINE	00055__19	00031PC05	1002	25%
Distribuita	BUCINE	00029PC05	00012__05	1006	30%
Puntuale	CAMPO SPORTIVO	00026PB19	---	1002	11%
Puntuale	FILETTOLE	00062__05	---	1003	15%
Puntuale	FILETTOLE	00060PC05	---	(Qsmalt Rotina)	---
Distribuita	FILETTOLE	00042__05	00039PB05	1003	15%
Puntuale	FILETTOLE	00001PB05	---	1006	3%
Puntuale	AUTOSTRADA	00089PB19	---	1005	55%
Distribuita	AUTOSTRADA	00089PC19	00010PC19	1005	10%
Puntuale	ACQUEDOTTI	00088__19	---	1005	20%
Puntuale	ACQUEDOTTI	00070__19	---	1005	15%
Puntuale	ACQUEDOTTI	00057__19	---	1006	10%
Puntuale	ACQUEDOTTI	00054__19*	---	1006	10%
Puntuale	ACQUEDOTTI	00042PC19	---	1006	10%
Puntuale	ACQUEDOTTI	00025__19*	---	1006	10%
Distribuita	SP LUNGOMONTE	00035PC19	00001PC19	1006	15%
Puntuale	FOSSO 3	00068PC19	---	1004 (+Qsmalt tombamento)	40%
Puntuale	GALILEI TRASVERSALE 1	00012__19	---	1006	7%
Puntuale	GALILEI TRASVERSALE 2	00009__19	---	1006	5%
Puntuale	BRUCETO	00031__19	---	2000	35%
Puntuale	MONTICELLO	00081__19	---	2000	25%
Puntuale	MONTICELLO	00049__19	---	2000	10%
Puntuale	MONTICELLO	00025__19	---	2000	30%

Tabella 5-2: MODELLO 02 – Condizioni idrauliche al contorno – Reticoli loc. Filettole

Si precisa che gli input idrologici attesi sul Fosso Fiumaccia (bacino cod. 1004, 30%) e sul Fosso 3 (bacino cod. 1004, 30%) sono stati ripartiti tra la sezione a valle del tombamento del Fosso 3 e l'area 2D nei due punti di imbocco del medesimo tratto tombato. Il valore della soglia relativo a tale ripartizione corrisponde alla portata massima smaltibile in moto uniforme dal tombamento, tale portata è stata applicata a valle del tratto tombato, in corrispondenza della sezione 00068PC19 del Fosso 3 come contributo idraulico puntuale, a cui si è sommato il contributo dell'interbacino di valle (bacino cod. 1004, 40%). Sull'area 2D è stata assegnata la portata in eccesso, ovvero la differenza tra l'idrogramma idrologico e la portata smaltibile, in corrispondenza dei due punti di ingresso al tombamento. La portata smaltibile dal tratto tombato, stimata non superiore a 0.48

mc/s in ingresso dal Fosso Fiumaccia e 1.75 mc/s in ingresso dal Fosso 3, è stata calcolata con i seguenti parametri:

Imbocco Fosso Fiumaccia:
- diametro della sezione D=0.4 m;
- pendenza i=5%;
- coefficiente scabrezza k=80 $m^{1/3}/s$;
- grado di riempimento condotta 100%;
- Qsmalt=0.48 mc/s

Imbocco Fosso 3:
- diametro della sezione D=0.8 m;
- pendenza i=0.5%;
- coefficiente scabrezza k=80 $m^{1/3}/s$;
- grado di riempimento condotta 100%;
- Qsmalt=1.75 mc/s

Come condizioni di valle sui reticoli del Rio delle Bucine e del Fosso Bruceto in loc. Filettole, e Falciaia in loc. Avane, sono stati ipotizzati i seguenti condizionamenti:
- Funzionamento a scarico libero per eventi brevi (0.5-1 ora) nei quali si è ipotizzato il fiume Serchio in condizioni di magra (bassi livelli idrometrici) – condizione di valle pari ad una pendenza di moto uniforme dello 0.1%
- Funzionamento a scarico impedito per eventi più lunghi (3-6 ore) nei quali si è inserito l'idrogramma dei livelli del fiume Serchio fornito dall'Autorità di Bacino Appennino Settentrionale (rif. APPENDICE 1 - MODELLAZIONE IDROLOGICA) ed ipotizzata la chiusura degli organi di controllo sui tre reticoli e l'entrata in funzione degli impianti di sollevamento presenti sul Rio delle Bucine e sul Fosso Falciaia con portata costante pari a 0.5 mc/s ciascuno.

Per ciò che attiene ai coefficienti di scabrezza da associare alle singole sezioni fluviali, attraverso il confronto con i parametri riportati in letteratura ed il supporto dei sopralluoghi effettuati, è stato possibile associare ad ogni corso d'acqua, il coefficiente di scabrezza, secondo Manning, più appropriato, variabile tra 0.03 e 0.04 $m^{-1/3}s$.

Per quanto riguarda la scabrezza sul territorio simulato dal modello bidimensionale, si è scelto di adottare un coefficiente di Manning variabile spazialmente, determinato associando ad ogni classe di uso del suolo un coefficiente, sulla base di una analisi della letteratura in materia. In particolare, si è fatto riferimento alla pubblicazione "*Calibration of 2D Hydraulic Inundation Models in the Floodplain Region of the Lower Tagus River*" - 2013 - di Pestana et al, da cui è stata mutuata la tabella per l'attribuzione dei valori di scabrezza da associare alle varie classi di uso del suolo (Tabella 5-3). In più, per tener conto della presenza degli edifici, è stato assunto in corrispondenza degli stessi un valore di scabrezza fittizio molto alto (10 di Manning), in modo tale che rappresentino un "ostacolo" al libero deflusso delle acque di esondazione.

Per motivi di stabilità modellistica, per le durate d'evento più lunghe (3-6 ore) è stato adottato un coefficiente di Manning costante, pari 0.05, per tutta l'estensione delle aree 2D. Tale scelta non inficia comunque i risultati delle simulazioni in quanto nelle aree di studio i fenomeni di allagamento sono principalmente statici, legati a fenomeni di ristagno in aree morfologicamente depresse per cui i risultati in termini di battenti massimi risultano pressoché indipendenti dal valore di scabrezza adottato. Le uniche aree allagate soggette a fenomeni di transito sono le zone pedocollinari di monte in cui i risultati più gravosi si verificano per le brevi durate (0.5-1 ora) per le quali si è utilizzato una scabrezza variabili in funzione dell'uso del suolo come spiegato al capoverso precedente.

In merito alle perdite di carico nelle strutture, i coefficienti utilizzati sono stati ricavati dalla letteratura disponibile. Tali valori, nel nostro caso, influenzano il modello in corrispondenza degli attraversamenti fluviali e nelle connessioni idrauliche, che generano una brusca variazione di sezione. In particolare, si è utilizzato un coefficiente di contrazione di 0.5 e un coefficiente di espansione di 1.

Code	Designation	n
111	Continuos urban fabric	0.230
112	Discontinuous urban fabric	0.115
121	Industrial or commercial units	0.230
122	Roads and rail networks and associated land	0.038
124	Airports	0.230
131	Mineral extraction sites	0.104
132	Dump sites	0.115
133	Construction sites	0.115
142	Sport and leisure facilities	0.023
211	Non-irrigated arable land	0.043
212	Permanently irrigated land	0.043
213	Rice fields	0.023
221	Vineyards	0.043
222	Fruit trees and berry plantations	0.043
223	Olive groves	0.043
231	Pastures	0.298
241	Annual crops associated w/permanent crops	0.043
242	Complex cultivation patterns	0.023
243	Agriculture, w/significant natural vegetation	0.058
244	Agro-forestry areas	0.058
311	Broad-leaved forest	0.230
312	Coniferous forest	0.127
313	Mixed forest	0.230
321	Natural grasslands	0.039
322	Moors and heathland	0.058
323	Sclerophyllous vegetation	0.058
324	Transitional woodland-shrub	0.058
331	Beaches, dunes, sands	0.138
332	Bare rocks	0.104
333	Sparsely vegetated areas	0.104
334	Burnt areas	0.104
411	Inland marshes	0.115
511	Water courses	0.035
512	Water bodies	0.035

Tabella 5-3: MODELLO 02 - Valori di scabrezza di Manning per tipologia di uso e copertura del suolo

5.3 ANALISI DEI RISULTATI

A partire dai risultati delle simulazioni idrauliche del modello analitico sviluppato sul reticolo secondario interferente con l'abitato di Avane e Filettole per ogni tempo di ritorno e durata dell'evento meteorico, sono stati ricavati:

- Livelli e portate massime in alveo su ciascuna sezione fluviale;
- Battenti e velocità massime per le aree allagabili.

A partire dai risultati delle singole simulazioni, si sono ottenuti gli inviluppi su ciascun tempo di ritorno e su ciascun scenario idrologico. I risultati finali della modellazione idraulica analitica sono stati ottenuti inviluppando i risultati precedentemente descritti.

Si restituiscono quindi, in forma grafica e tabellare i risultati nelle sezioni fluviali (APPENDICE 2 - MODELLAZIONE IDRAULICA) e le tavole dei battenti idraulici e delle velocità massime nelle aree allagate, come inviluppo per ciascun tempo di ritorno:

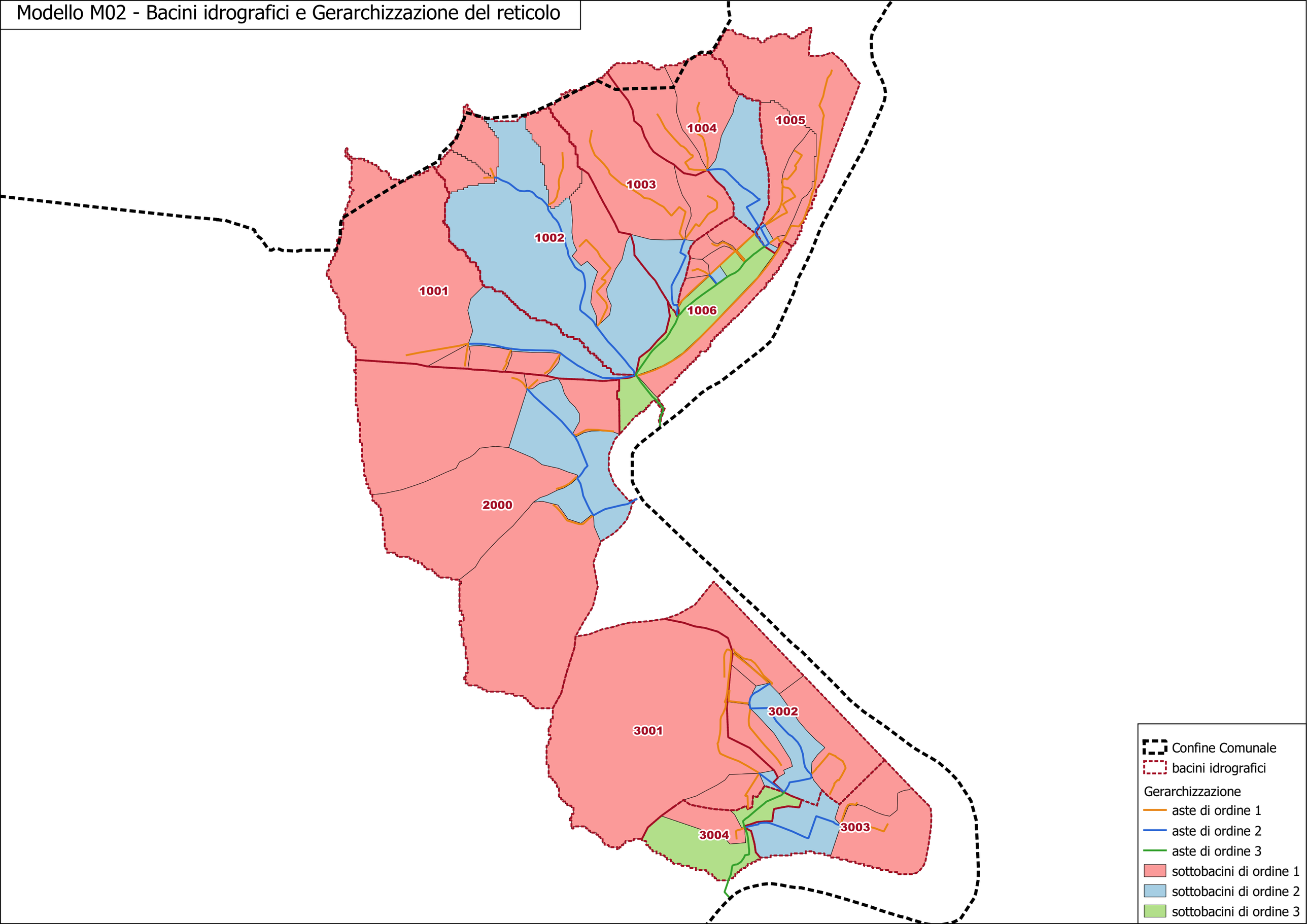
- *I.02.03 Battenti Idrometrici massimi TR=30 anni*

- *I.02.04 Battenti Idrometrici massimi TR=200 anni*
- *I.02.05 Velocità massime TR=200 anni*

L'inviluppo dei battenti su ciascun tempo di ritorno ha quindi permesso la definizione della pericolosità idraulica indotta dal reticolo secondario sul territorio indagato.

APPENDICE 1 - MODELLAZIONE IDROLOGICA

Modello M02 - Bacini idrografici e Gerarchizzazione del reticolo

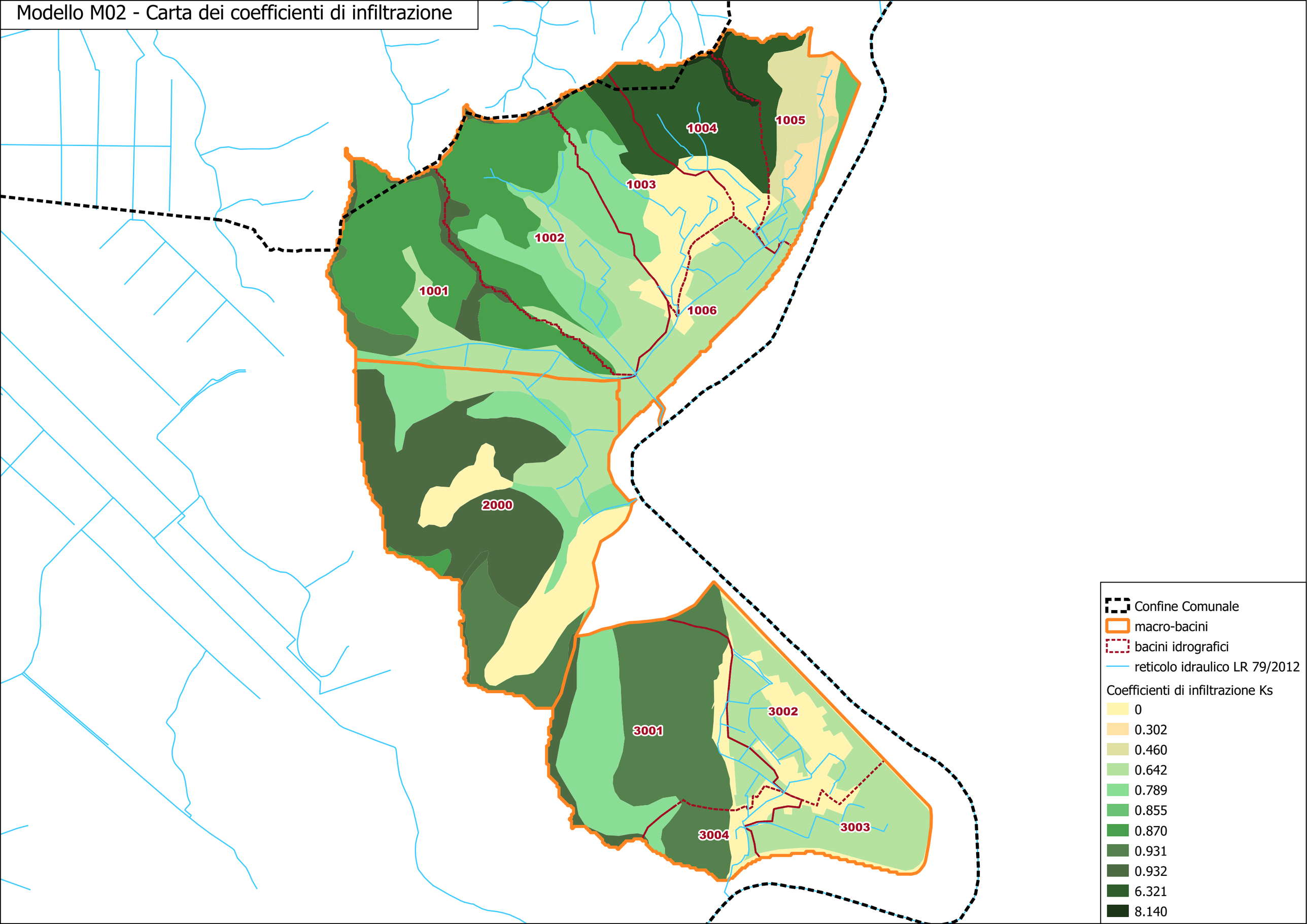


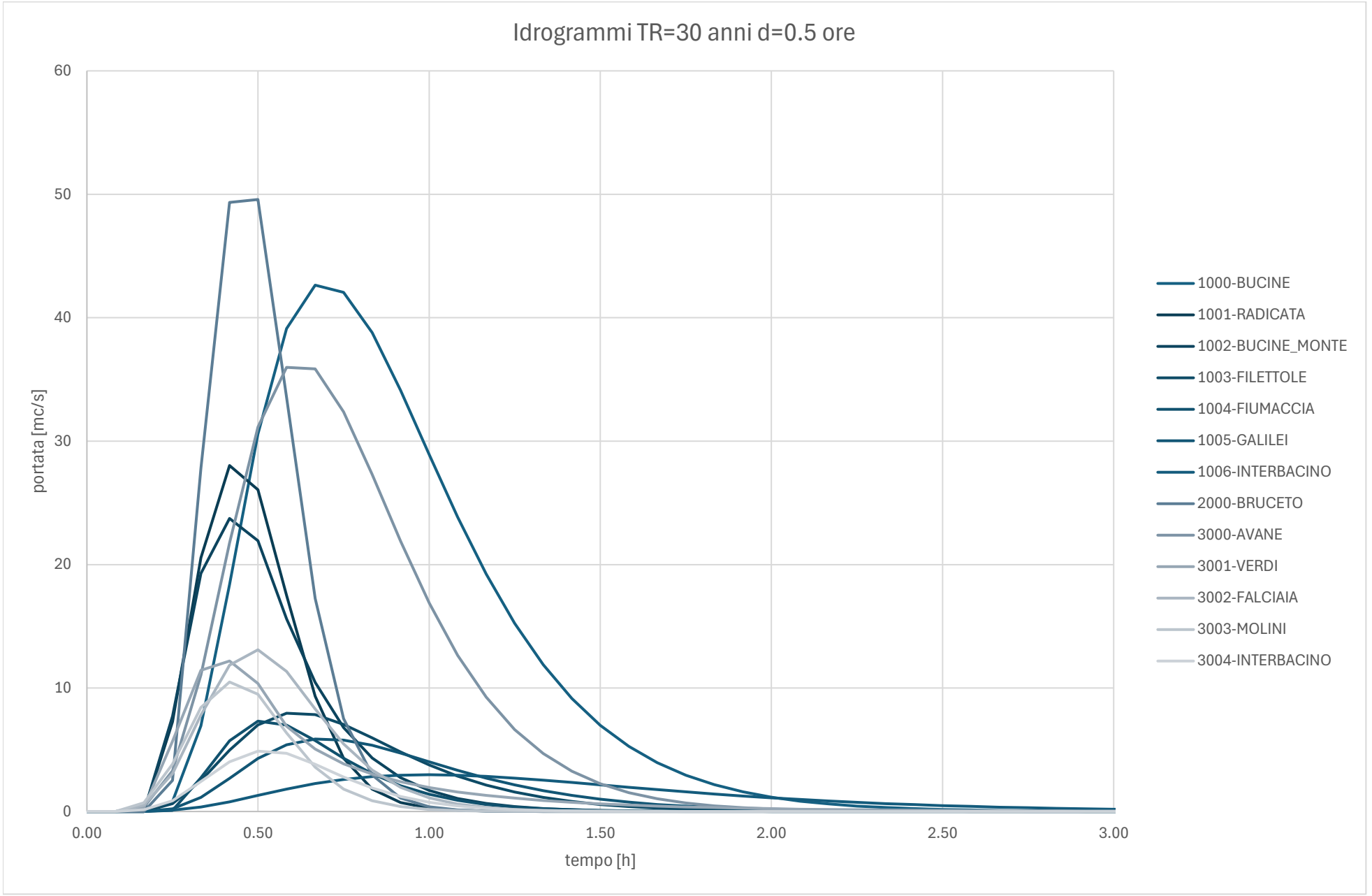
Modello M02 - Carta delle aree boscate

1004
1005
1003
1002
1001
1006
2000
3001
3002
3004
3003

Confine Comunale
macro-bacini
bacini idrografici
reticolo idraulico LR 79/2012
Aree boscate

Modello M02 - Carta dei coefficienti di infiltrazione

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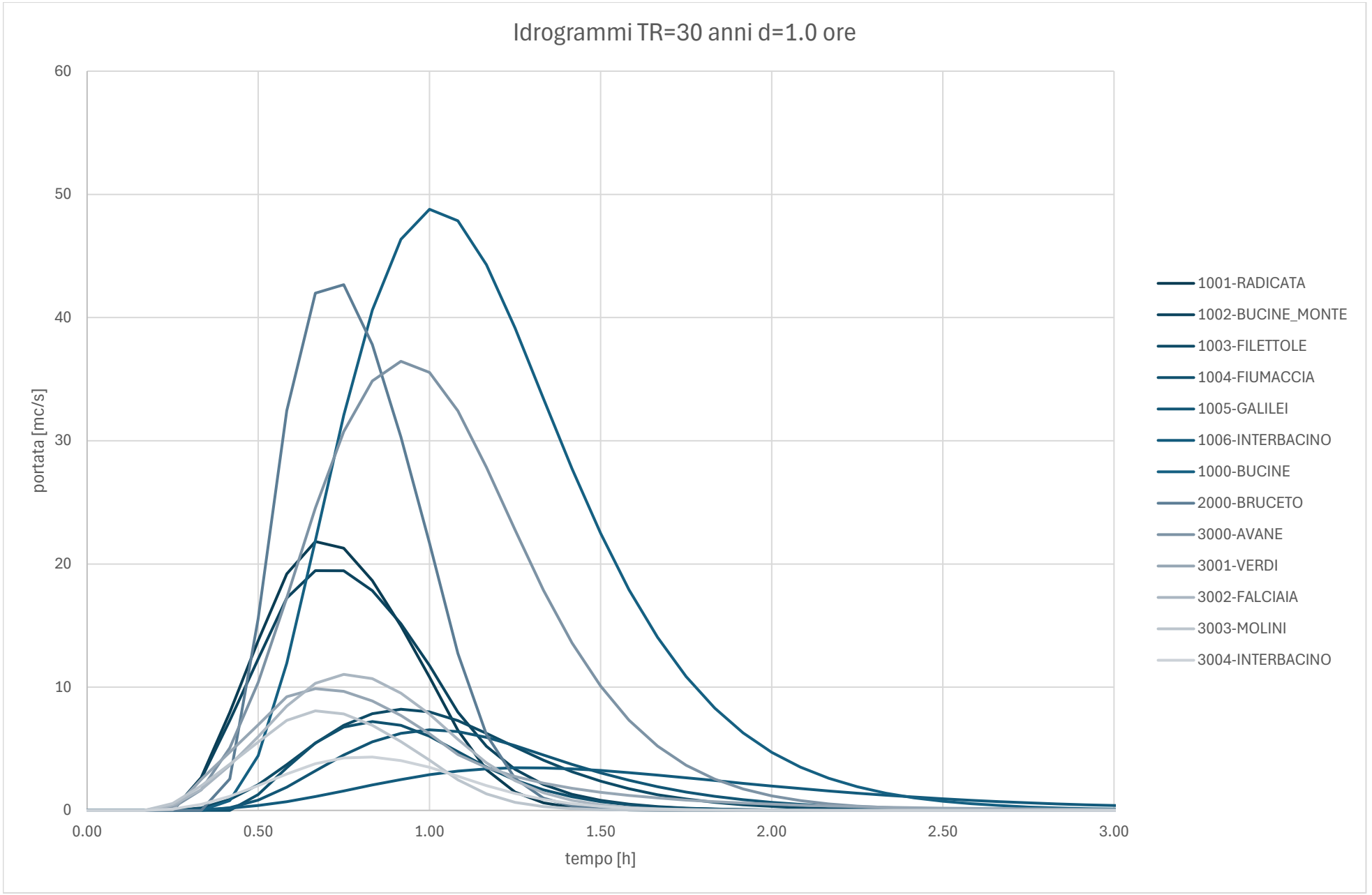
portata [mc/s]
tempo [h]
0
10
20
30
40
50
60
0.00
0.50
1.00
1.50
2.00
2.50
3.00
1000-BUCINE
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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tempo [h]
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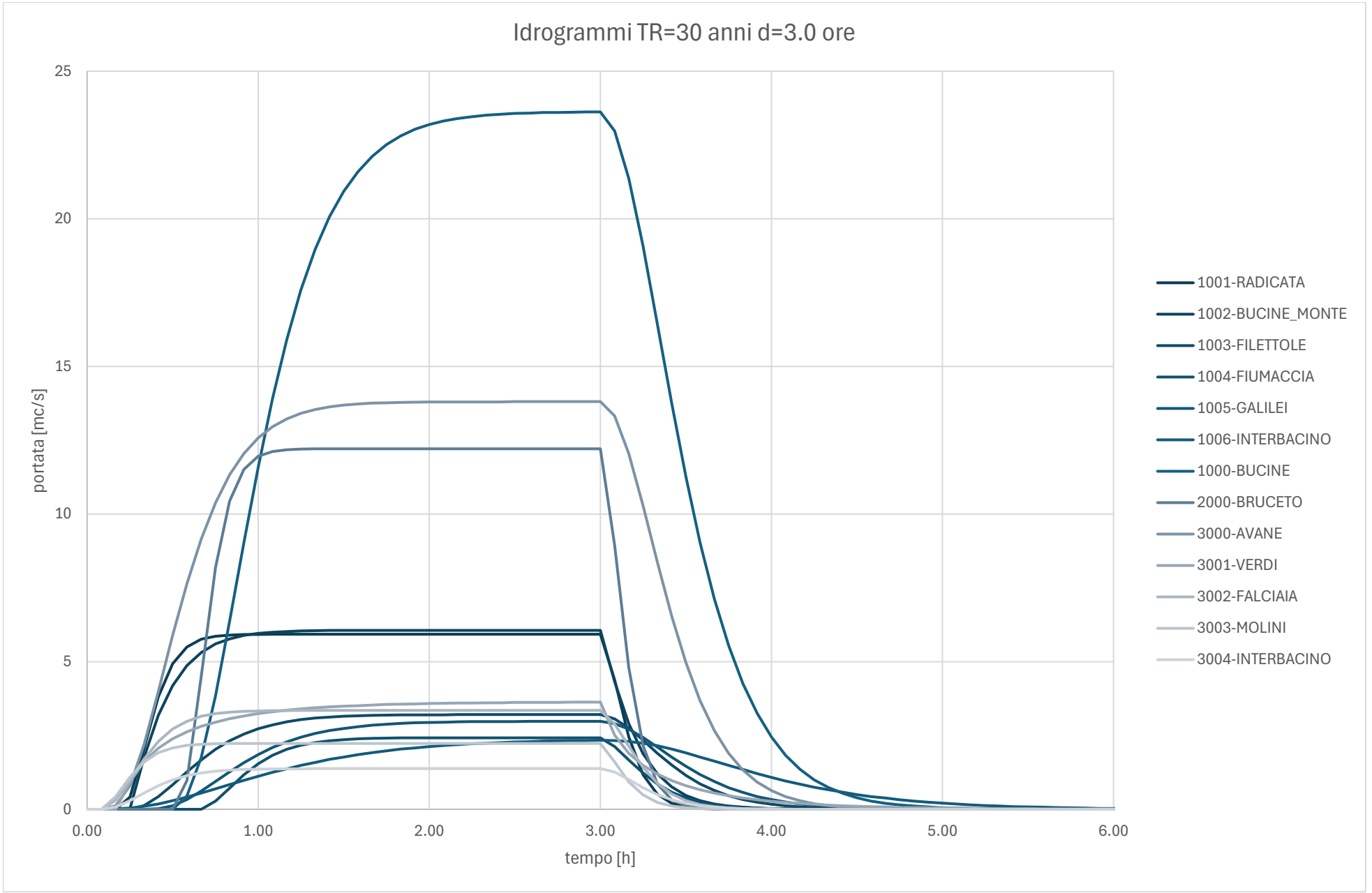
10
20
30
40
50
60
0.00
0.50
1.00
1.50
2.00
2.50
3.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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tempo [h]
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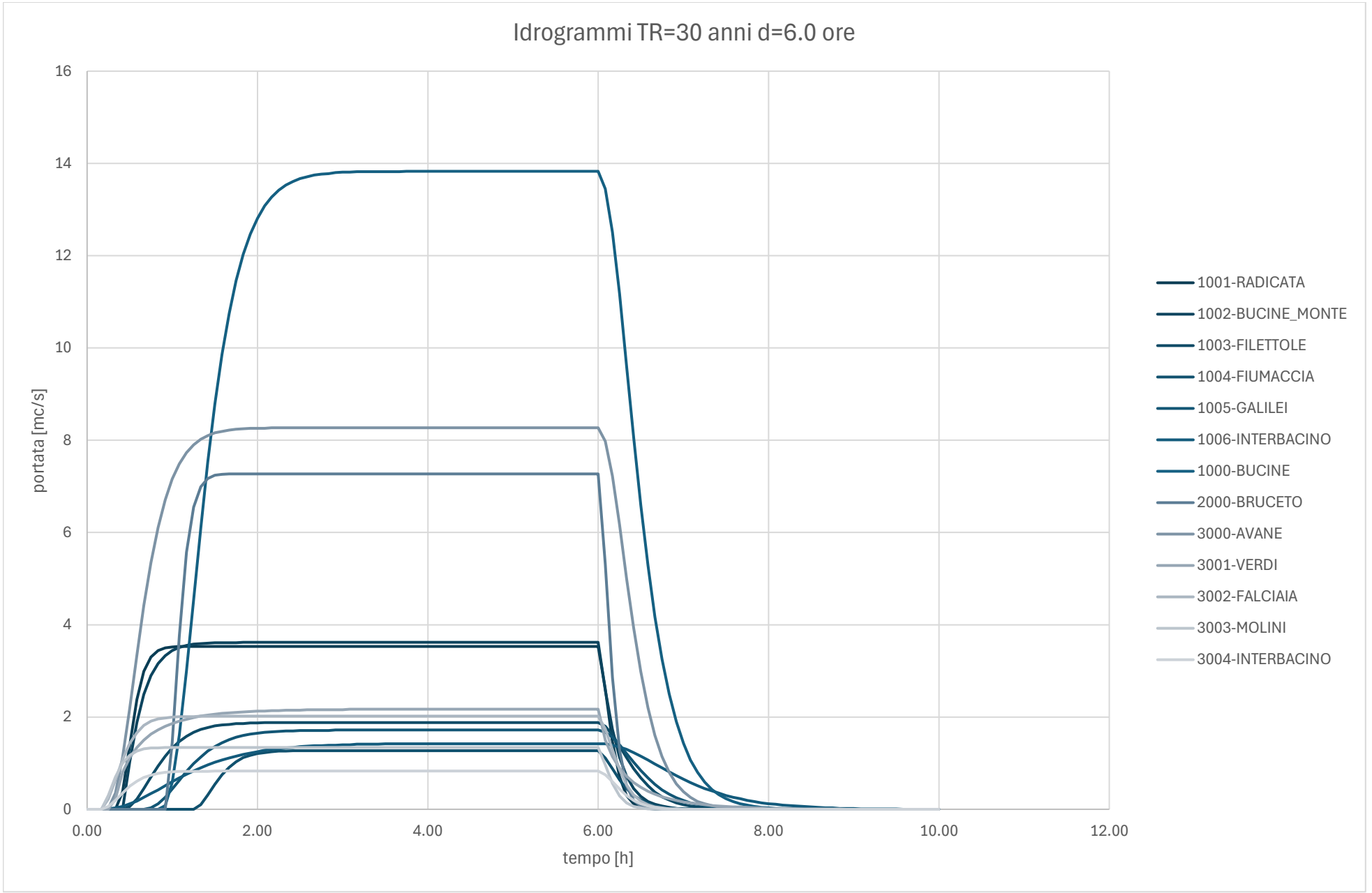
5
10
15
20
25
0.00
1.00
2.00
3.00
4.00
5.00
6.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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tempo [h]
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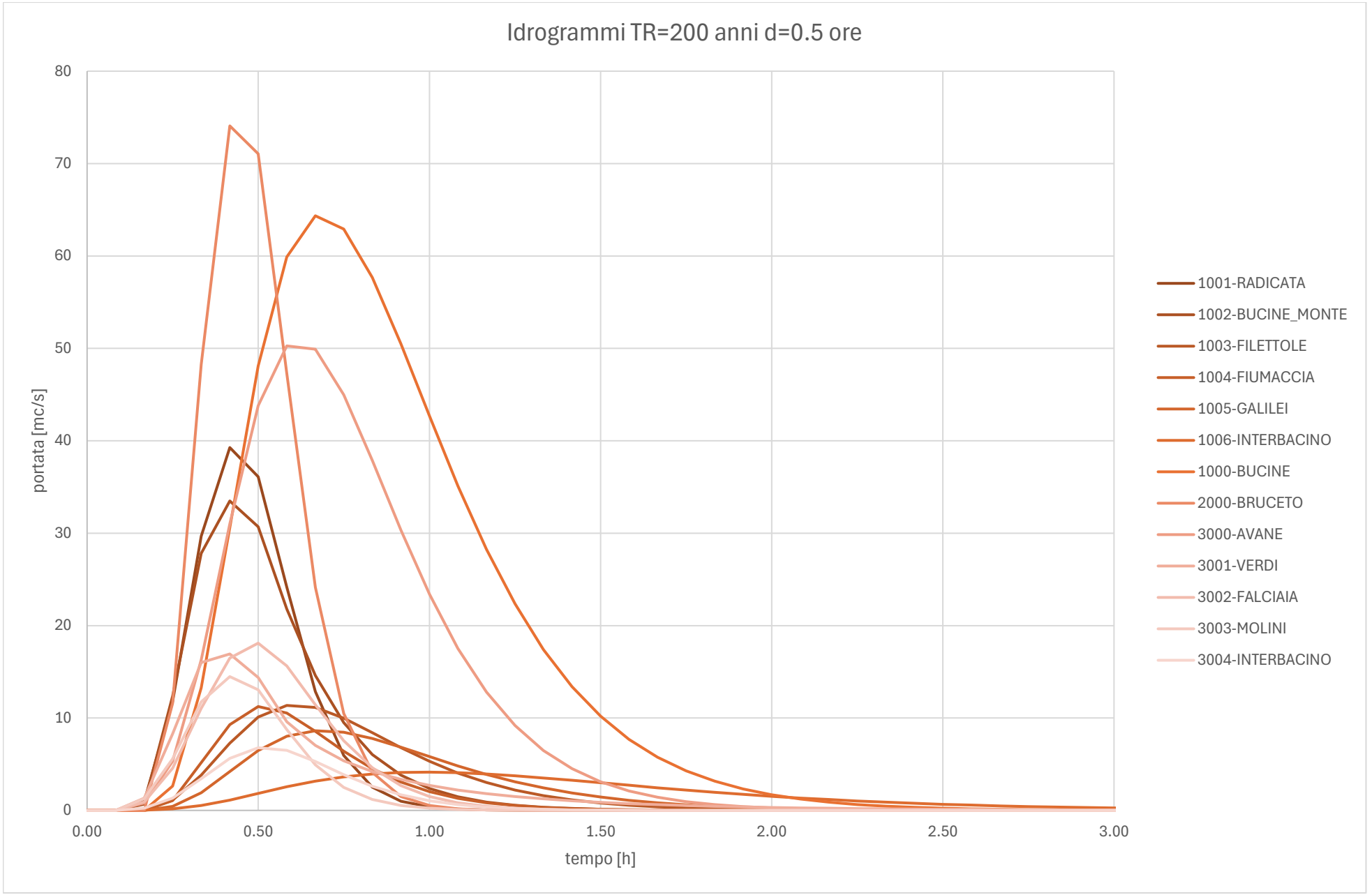
2
4
6
8
10
12
14
16
0.00
2.00
4.00
6.00
8.00
10.00
12.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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portata [mc/s]
tempo [h]
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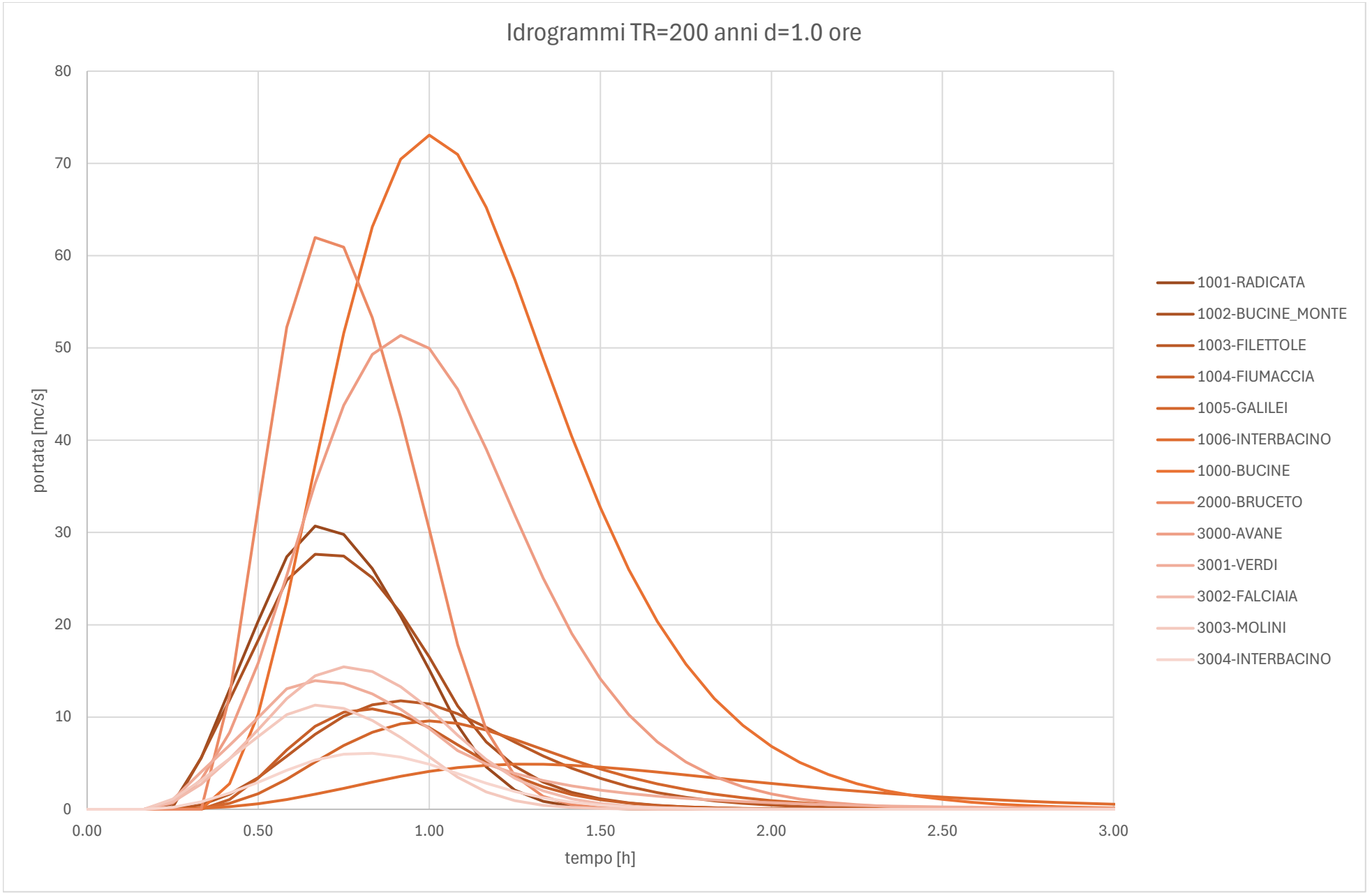
20
30
40
50
60
70
80
0.00
0.50
1.00
1.50
2.00
2.50
3.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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tempo [h]
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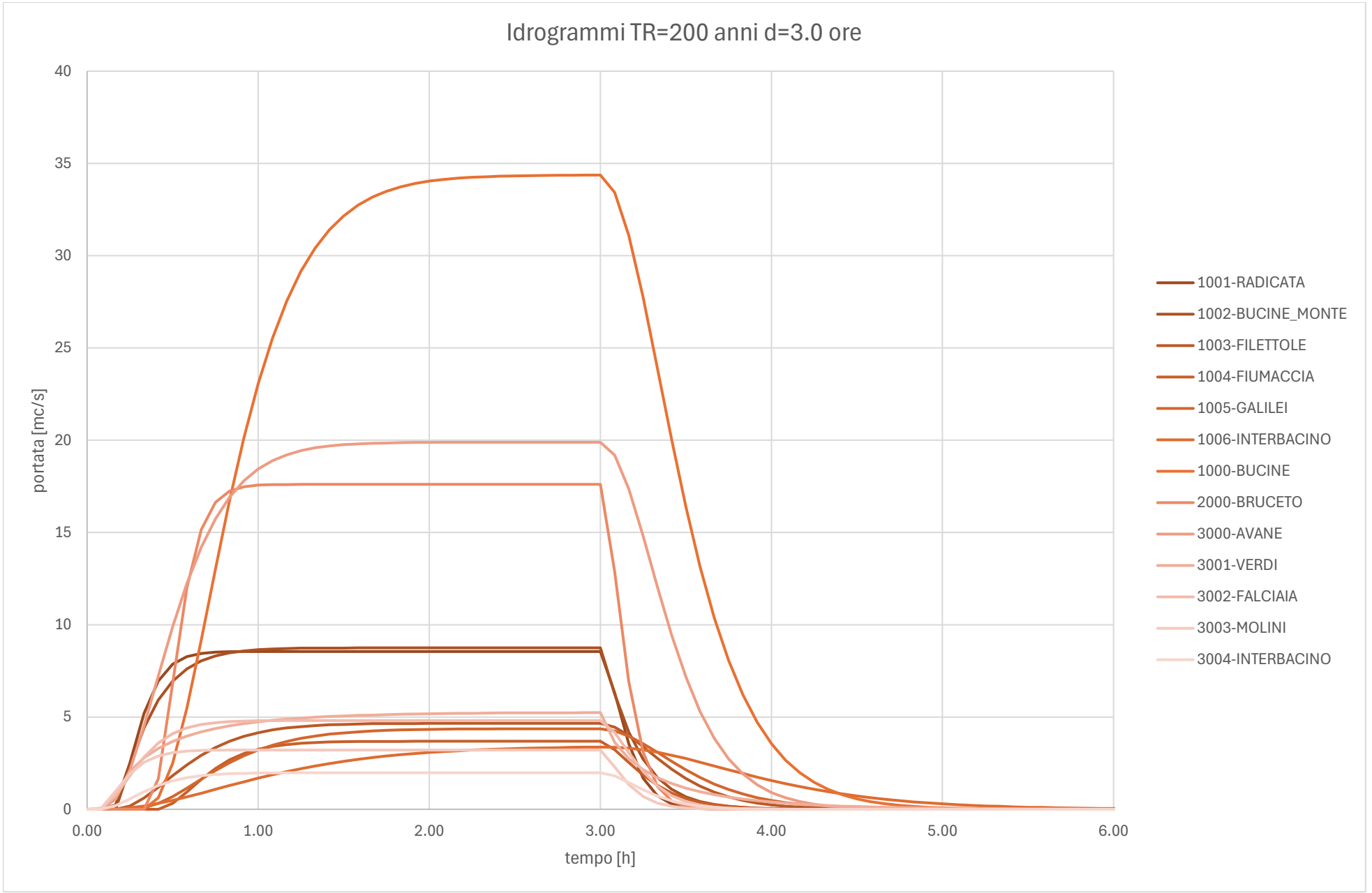
20
30
40
50
60
70
80
0.00
0.50
1.00
1.50
2.00
2.50
3.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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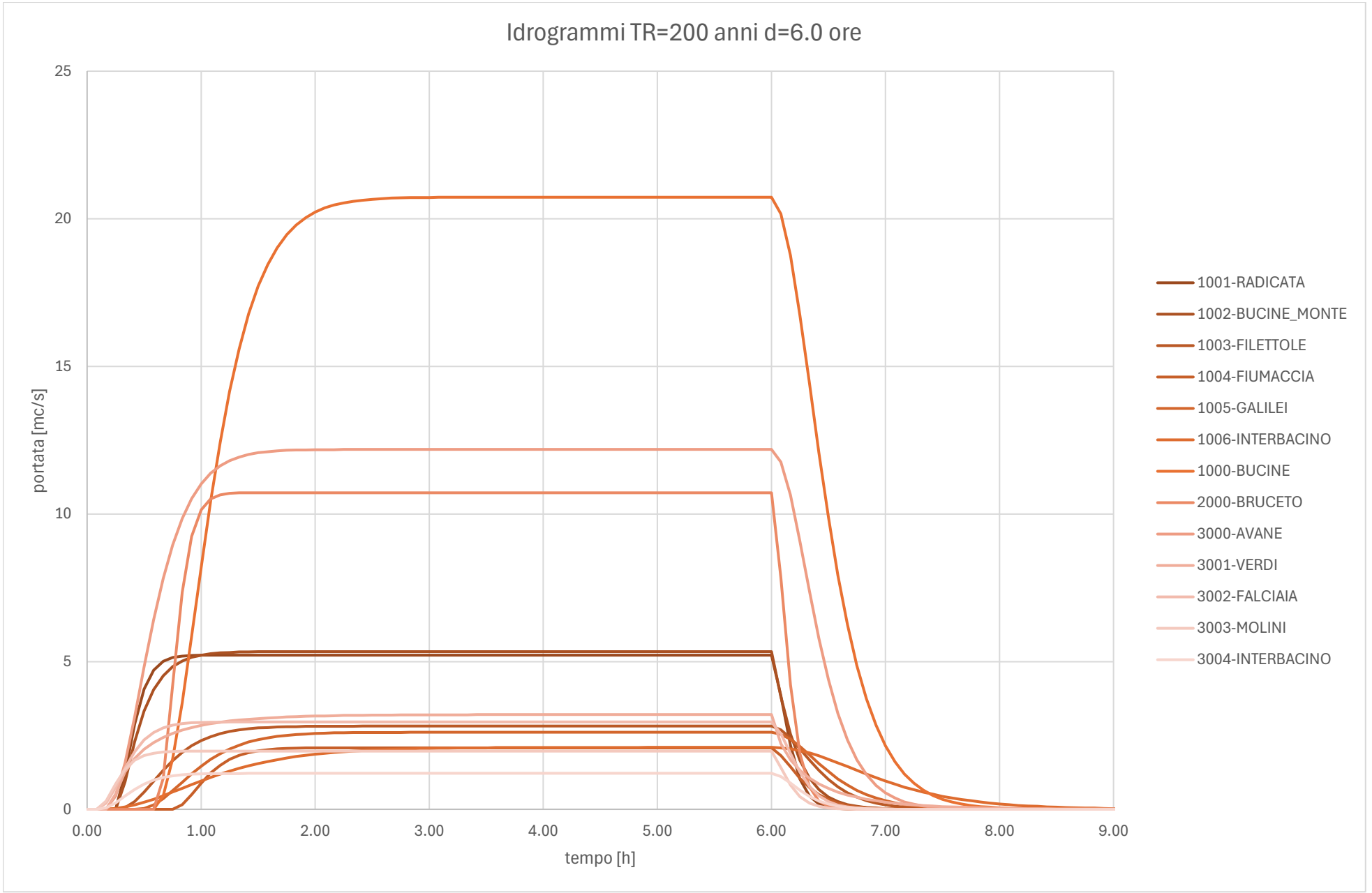
portata [mc/s]
tempo [h]
0
5
10
15
20
25
30
35
40
0.00
1.00
2.00
3.00
4.00
5.00
6.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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portata [mc/s]
tempo [h]
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5
10
15
20
25
0.00
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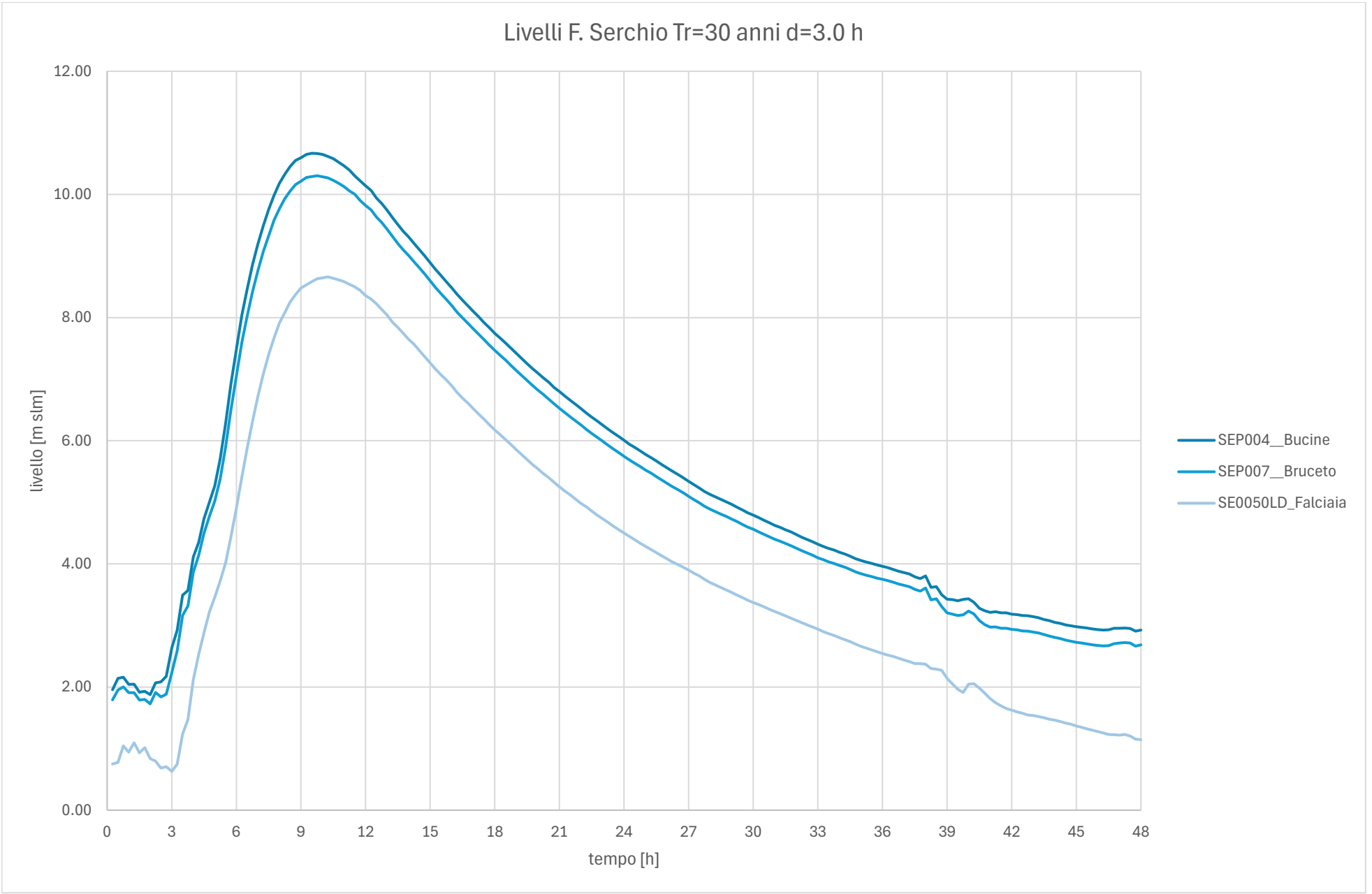
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
1001-RADICATA
1002-BUCINE_MONTE
1003-FILETTOLE
1004-FIUMACCIA
1005-GALILEI
1006-INTERBACINO
1000-BUCINE
2000-BRUCETO
3000-AVANE
3001-VERDI
3002-FALCIAIA
3003-MOLINI
3004-INTERBACINO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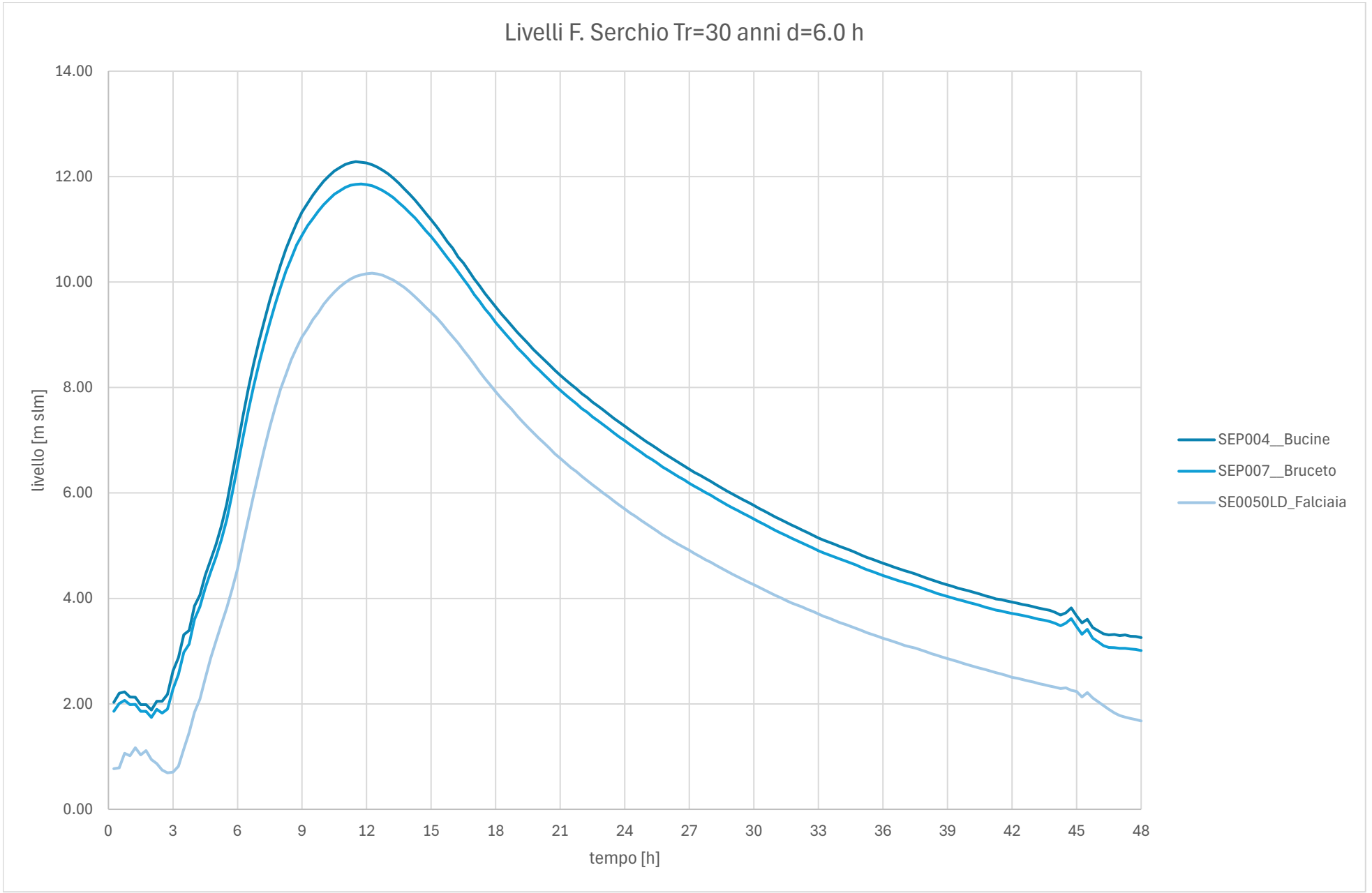
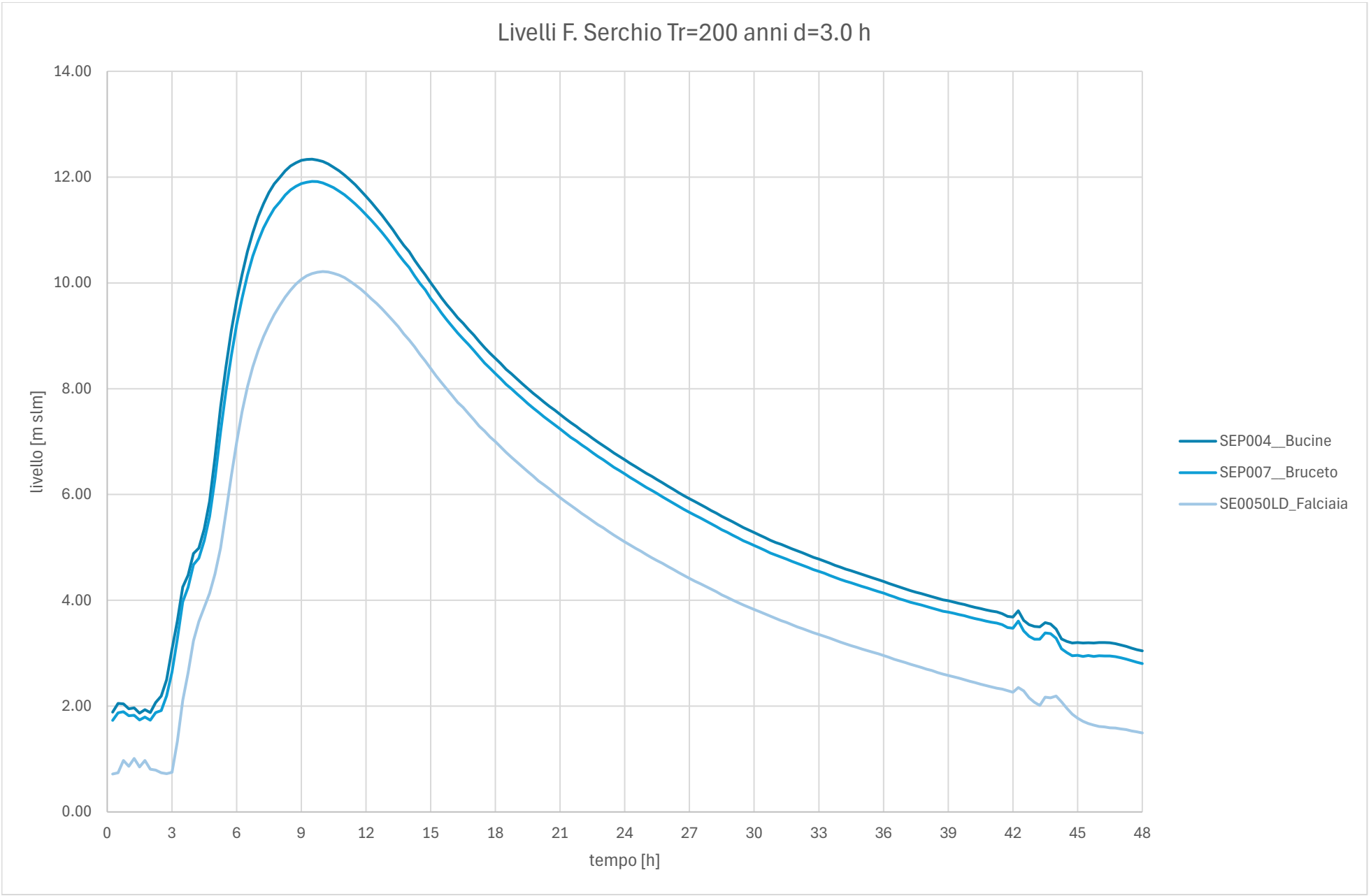
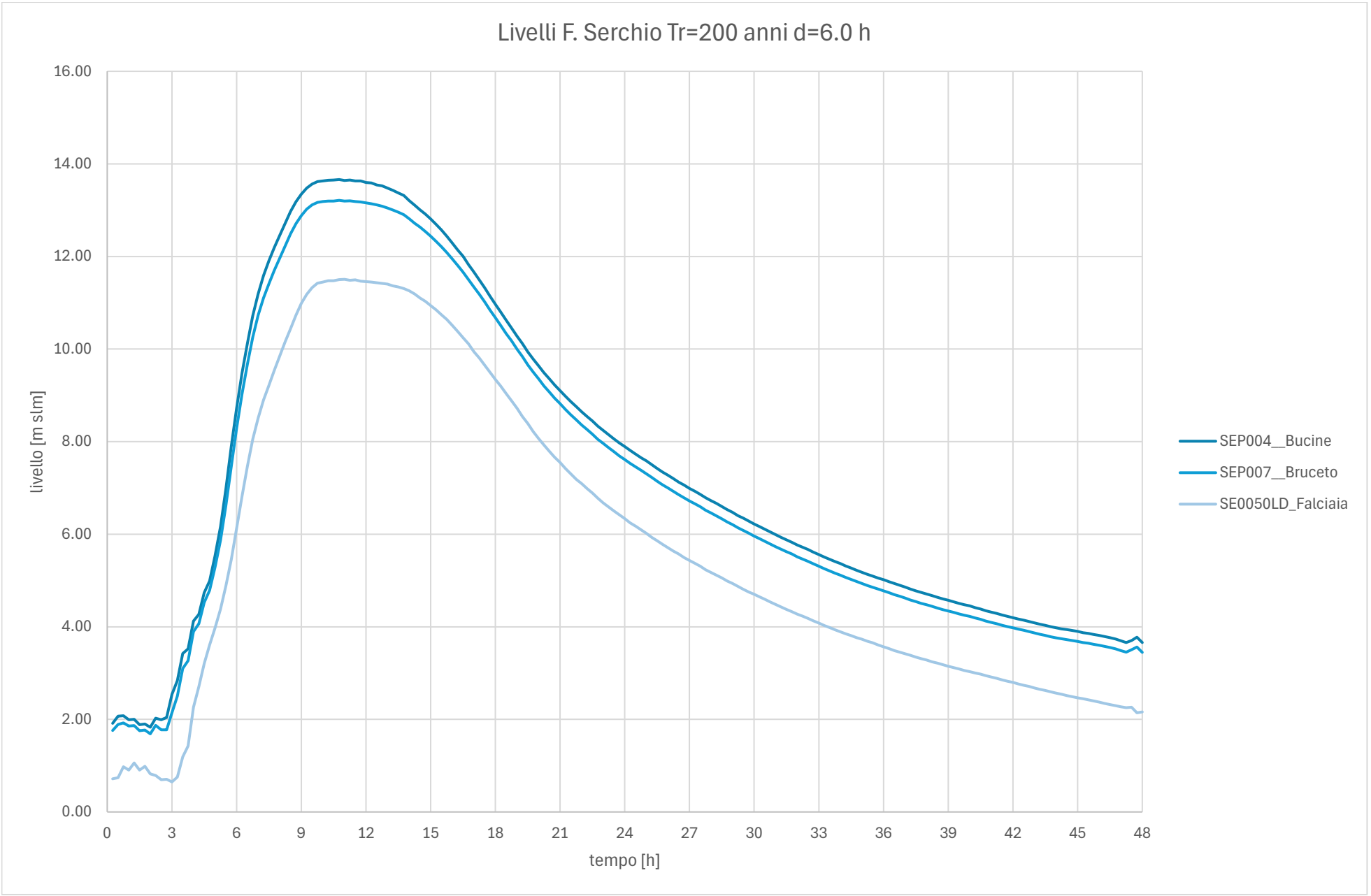
12.00
10.00
8.00
6.00
4.00
2.00
0.00
livello [m slm]
0
3
6
9
12
15
18
21
24
27
30
33
36
39
42
45
48
tempo [h]
SEP004__Bucine
SEP007__Bruceto
SE0050LD_Falciaia

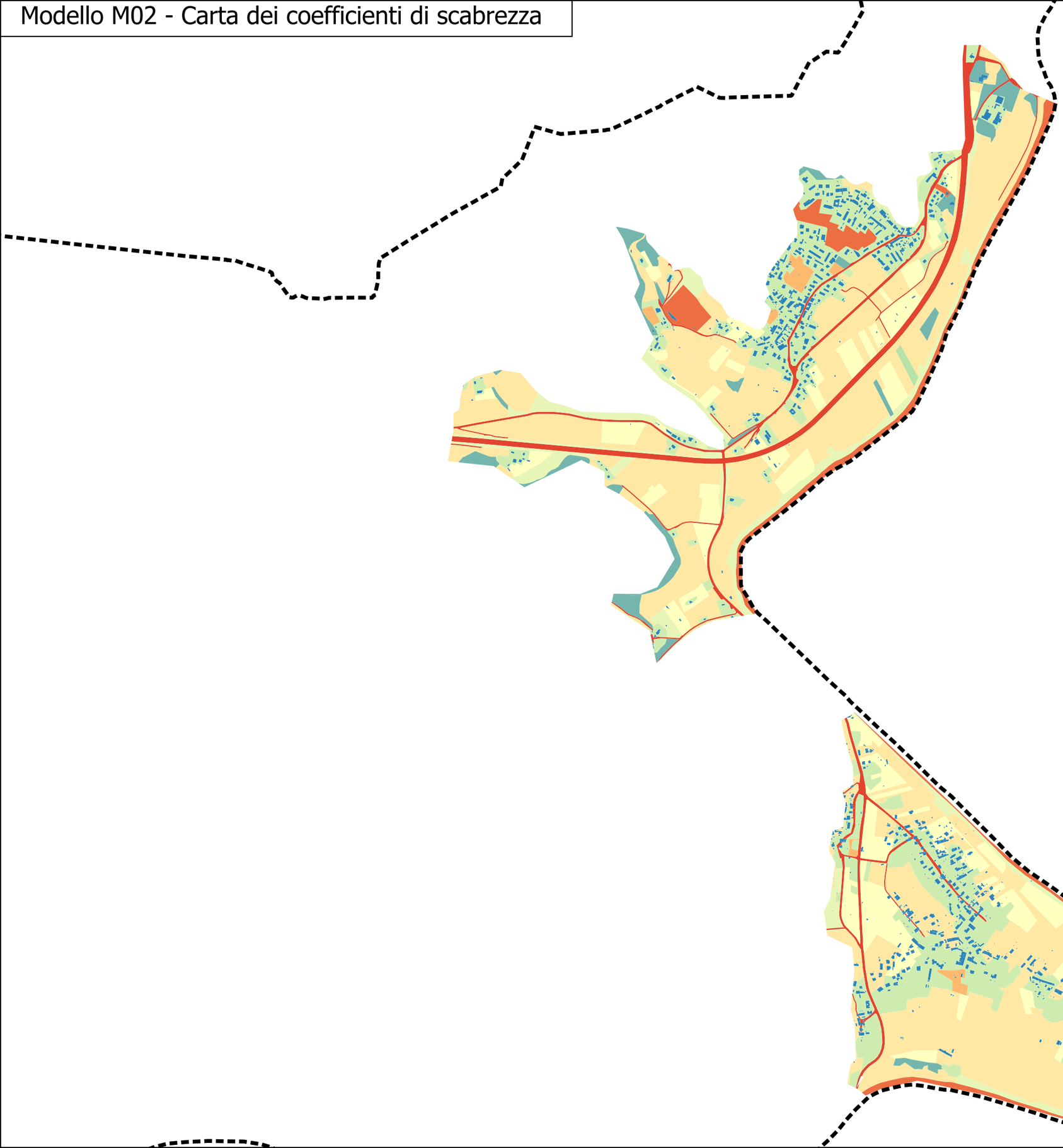

Livelli F. Serchio Tr=30 anni d=6.0 h
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
livello [m slm]
0
3
6
9
12
15
18
21
24
27
30
33
36
39
42
45
48
tempo [h]
SEP004__Bucine
SEP007__Bruceto
SE0050LD_Falciaia


Livelli F. Serchio Tr=200 anni d=3.0 h
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
livello [m slm]
0
3
6
9
12
15
18
21
24
27
30
33
36
39
42
45
48
tempo [h]
SEP004__Bucine
SEP007__Bruceto
SE0050LD_Falciaia


Livelli F. Serchio Tr=200 anni d=6.0 h
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
livello [m slm]
0
3
6
9
12
15
18
21
24
27
30
33
36
39
42
45
48
tempo [h]
SEP004__Bucine
SEP007__Bruceto
SE0050LD_Falciaia

APPENDICE 2 - MODELLAZIONE IDRAULICA

Modello M02 - Carta dei coefficienti di scabrezza



Confine Comunale

Coefficiente di Manning [m-1/3s]

0.023
0.030
0.035
0.038
0.040
0.043
0.050
0.058
0.104
0.115
0.120
0.127
0.230
0.298
10

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE

Avane

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO CAFAGGIO								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00034__19	6.72	6.72	6.64	6.62	6.74	6.73	6.66	6.64
00016__19	6.73	6.73	6.63	6.61	6.77	6.75	6.66	6.64
00013PB19	6.73	6.72	6.63	6.61	6.77	6.75	6.65	6.64
00013PC19	6.71	6.71	6.62	6.60	6.75	6.73	6.65	6.63
00009PB19	6.70	6.69	6.62	6.59	6.73	6.71	6.63	6.62
00009PC19	6.66	6.65	6.58	6.55	6.69	6.67	6.60	6.59
00006PB19	6.66	6.65	6.58	6.55	6.69	6.67	6.60	6.59
00006PC19	6.65	6.64	6.56	6.53	6.68	6.66	6.59	6.58
00005PB19	6.64	6.63	6.55	6.52	6.67	6.66	6.58	6.57
00005PC19	6.61	6.60	6.49	6.45	6.64	6.63	6.52	6.51
00001PB19	6.53	6.53	6.45	6.42	6.57	6.56	6.48	6.46
00001PC19	6.34	6.34	6.30	6.30	6.40	6.39	6.31	6.32

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO CASAPIERI								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00036PB19	6.61	6.59	6.44	6.41	6.69	6.66	6.48	6.44
00036PC19	6.07	6.06	6.07	6.16	6.23	6.09	6.23	6.32

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO CIMITERO								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00009PB19	6.67	6.67	6.63	6.63	6.73	6.70	6.65	6.63
00009PC19	6.67	6.67	6.63	6.63	6.73	6.70	6.64	6.63
00008PB19	6.67	6.67	6.63	6.63	6.73	6.70	6.64	6.63
00008PC19	6.67	6.67	6.63	6.63	6.73	6.70	6.65	6.63
00006PB19	6.68	6.67	6.64	6.64	6.73	6.70	6.65	6.64
00006PC19	6.68	6.67	6.65	6.65	6.73	6.70	6.65	6.65
00003PB19	6.68	6.67	6.65	6.65	6.74	6.70	6.65	6.65
00003PC19	6.73	6.73	6.63	6.61	6.77	6.75	6.66	6.64

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO CORTACCIA								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00034PC19	6.39	6.39	6.31	6.28	6.45	6.44	6.34	6.32
00028PB19	6.41	6.41	6.31	6.28	6.46	6.46	6.34	6.32
00028PC19	6.40	6.40	6.31	6.28	6.45	6.45	6.35	6.32
00025PB19	6.40	6.40	6.31	6.28	6.45	6.44	6.34	6.32
00025PC19	6.45	6.45	6.34	6.30	6.48	6.47	6.40	6.34
00021PB19	6.46	6.45	6.34	6.30	6.49	6.48	6.41	6.34
00021PC19	6.25	6.29	6.23	6.22	6.32	6.35	6.27	6.32

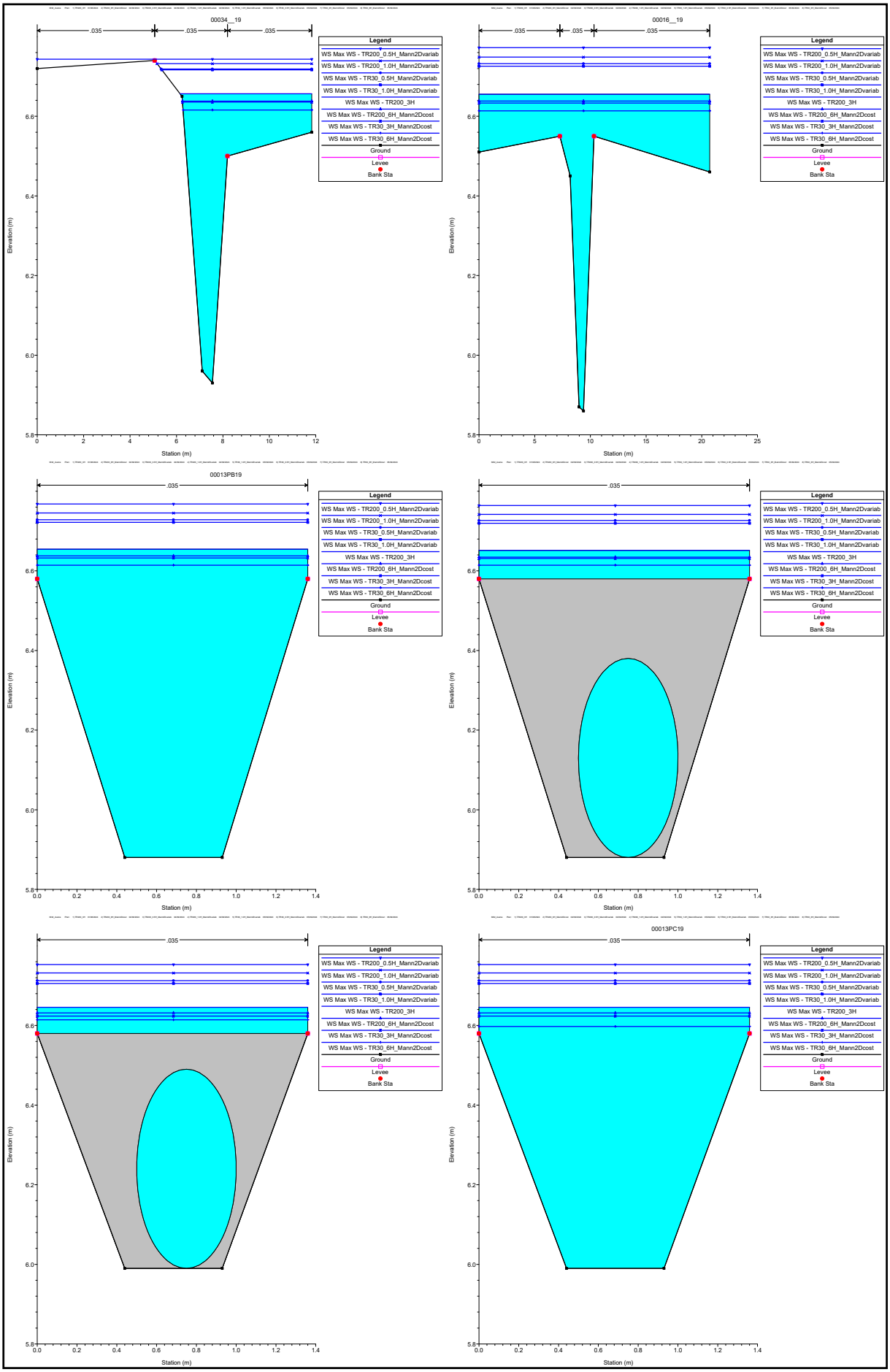
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO FALCIAIA								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00108__19	6.25	6.29	6.23	6.22	6.32	6.35	6.28	6.32
00104__19	6.25	6.29	6.23	6.22	6.32	6.35	6.27	6.32
00100__19	6.25	6.29	6.23	6.22	6.32	6.35	6.27	6.32
00095__19	6.25	6.29	6.23	6.22	6.32	6.35	6.27	6.32
00090PB19	6.28	6.29	6.23	6.22	6.39	6.39	6.28	6.32
00090PC19	6.08	6.11	6.22	6.18	6.23	6.19	6.29	6.32
00045PB19	6.08	6.11	6.22	6.18	6.23	6.19	6.30	6.32
00045PC19	6.09	6.11	6.21	6.18	6.23	6.19	6.29	6.32
00044PB19	6.11	6.11	6.21	6.18	6.23	6.19	6.29	6.32
00044PC19	6.10	6.09	6.19	6.18	6.23	6.18	6.29	6.32
00043PB19	6.10	6.09	6.19	6.17	6.23	6.17	6.28	6.32
00043PC19	6.07	6.06	6.07	6.16	6.23	6.09	6.23	6.32
00027PB19	6.04	6.04	6.06	6.15	6.21	6.07	6.23	6.32
00027PC19	5.70	5.69	5.95	6.02	5.77	5.75	6.11	6.21
00014PB19	5.66	5.64	5.94	6.02	5.72	5.70	6.10	6.21
00014PC19	5.55	5.53	5.93	6.02	5.60	5.58	6.10	6.20
00003__19	4.19	4.18	8.66	10.17	4.23	4.22	10.21	11.51

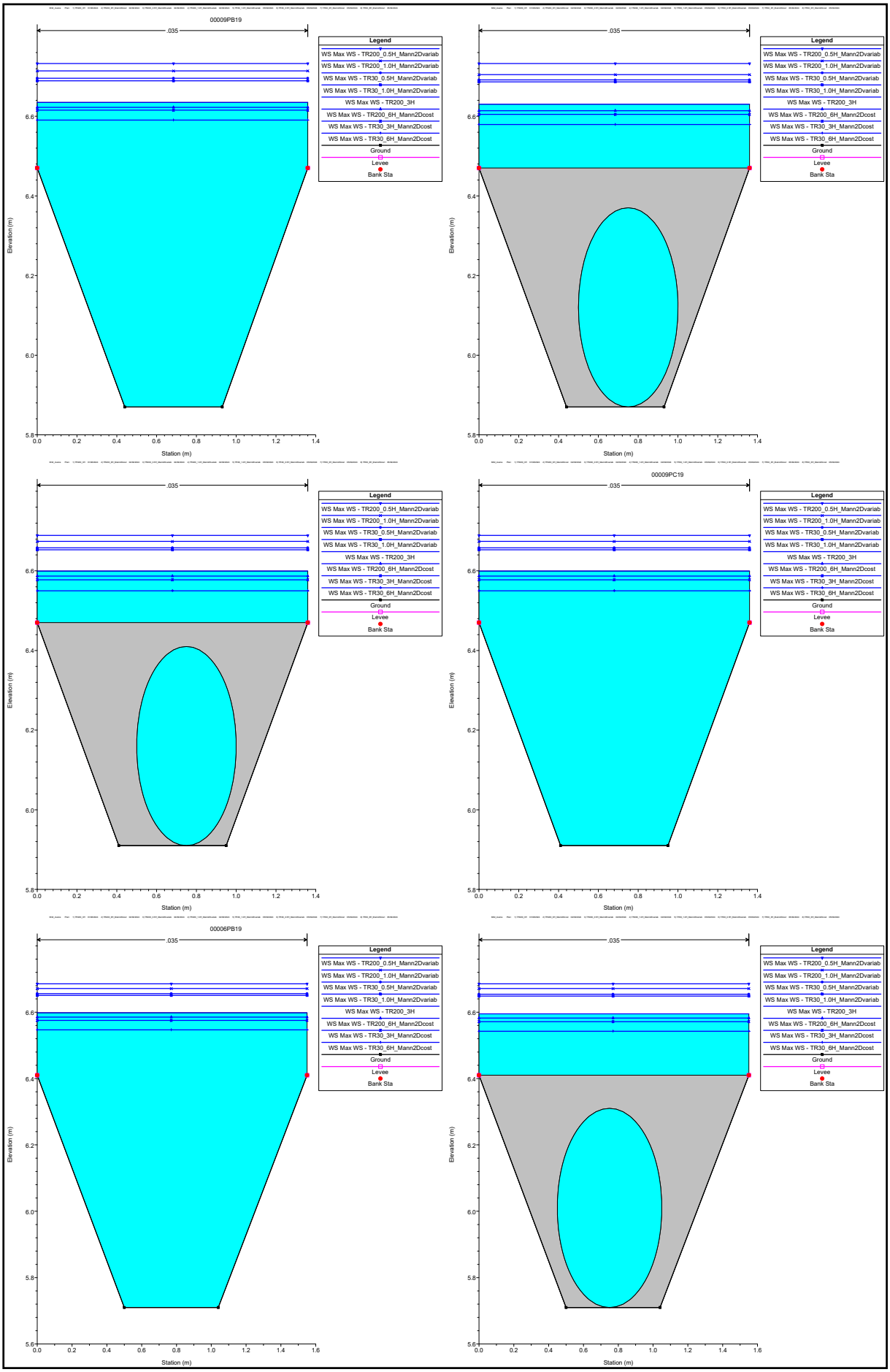
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO MASCAGNI								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00009__19	6.49	6.50	6.45	6.42	6.54	6.53	6.47	6.46
00007PB19	6.48	6.50	6.45	6.42	6.53	6.53	6.47	6.46
00007PC19	6.48	6.49	6.45	6.42	6.53	6.53	6.47	6.45
00004PB19	6.48	6.49	6.45	6.42	6.53	6.53	6.47	6.45
00004PC19	6.48	6.49	6.45	6.42	6.53	6.53	6.47	6.45
00003PB19	6.48	6.49	6.45	6.42	6.53	6.53	6.47	6.45
00003PC19	6.48	6.50	6.45	6.42	6.53	6.53	6.47	6.45
00001PB19	6.48	6.49	6.45	6.42	6.53	6.53	6.47	6.45
00001PC19	6.54	6.53	6.45	6.43	6.57	6.56	6.48	6.46

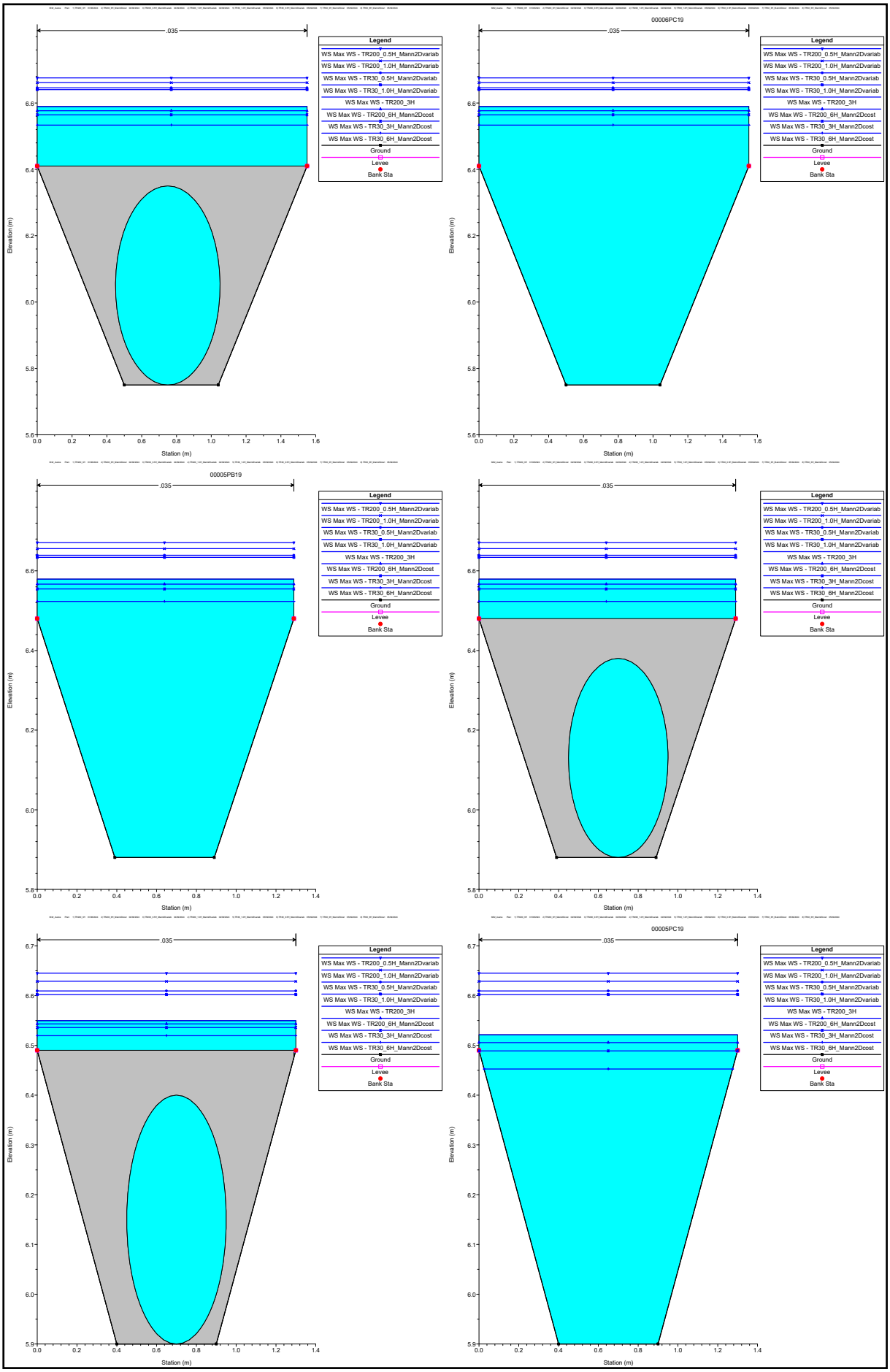
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO MOLINI								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00078PB19	6.63	6.61	6.39	6.34	6.65	6.63	6.47	6.38
00078PC19	6.63	6.61	6.86	6.49	6.65	6.63	6.47	6.38
00077PB19	6.93	6.68	6.76	6.35	6.65	6.68	6.47	6.38
00077PC19	6.63	6.61	6.39	6.44	6.65	6.63	6.47	6.38
00075PB19	6.62	6.61	6.44	6.44	6.64	6.63	6.47	6.38
00075PC19	6.61	6.59	6.37	6.33	6.63	6.61	6.45	6.39
00072PB19	6.93	6.60	6.71	6.52	6.61	6.59	6.43	6.36
00072PC19	6.52	6.48	6.34	6.26	6.51	6.50	6.38	6.34
00068PB19	6.38	6.36	6.29	6.23	6.39	6.38	6.32	6.32
00068PC19	6.23	6.22	6.17	6.16	6.25	6.23	6.23	6.32
00063PB19	6.18	6.17	6.13	6.16	6.27	6.18	6.23	6.32
00063PC19	6.12	6.11	6.08	6.16	6.29	6.12	6.23	6.32
00060__19	6.12	6.11	6.08	6.16	6.40	6.12	6.23	6.32
00056PB19	6.12	6.09	6.08	6.16	6.02	6.12	6.23	6.32
00056PC19	6.10	6.05	6.08	6.16	5.88	6.10	6.23	6.32
00044PB19	6.09	6.04	6.08	6.16	6.24	6.10	6.23	6.32
00044PC19	6.10	6.09	6.07	6.16	6.23	6.11	6.23	6.32
00032PB19	6.16	6.13	6.07	6.16	6.23	6.17	6.23	6.32
00032PC19	6.12	6.10	6.07	6.16	6.23	6.13	6.23	6.32
00028PB19	6.08	6.05	6.07	6.16	6.23	6.08	6.23	6.32
00028PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00025PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00025PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00022PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00022PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00019PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00019PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00013PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00013PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00010PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00010PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00009PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00009PC19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00007PB19	5.95	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00007PC19	5.98	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00005PB19	5.98	5.97	6.07	6.16	6.23	6.07	6.23	6.32
00005PC19	6.00	5.99	6.07	6.16	6.23	6.07	6.23	6.32
00003PB19	6.00	5.99	6.07	6.16	6.23	6.07	6.23	6.32
00003PC19	6.05	6.04	6.07	6.16	6.23	6.07	6.23	6.32

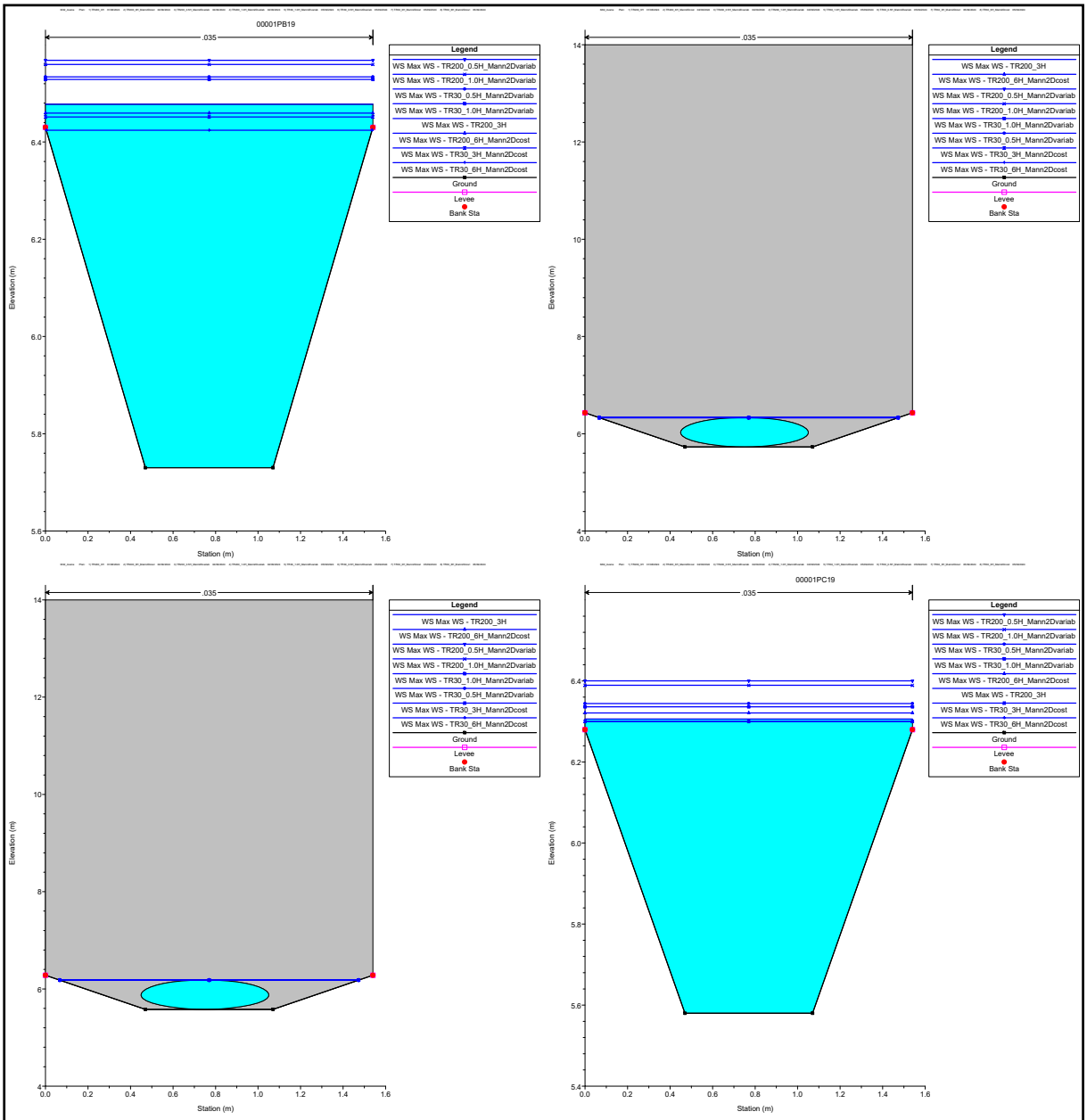
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO STELLONE								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00033PC19	6.25	6.29	6.23	6.22	6.31	6.34	6.27	6.32
00030PB19	6.25	6.29	6.23	6.22	6.31	6.34	6.27	6.32
00030PC19	6.25	6.29	6.23	6.22	6.32	6.34	6.27	6.32
00027PB19	6.25	6.29	6.23	6.22	6.32	6.34	6.27	6.32
00027PC19	6.28	6.29	6.24	6.23	6.32	6.34	6.28	6.32
00025PB19	6.29	6.29	6.24	6.23	6.32	6.34	6.28	6.32
00025PC19	6.30	6.29	6.25	6.23	6.32	6.34	6.28	6.32
00022PB19	6.30	6.29	6.25	6.23	6.32	6.34	6.28	6.32
00022PC19	6.30	6.30	6.25	6.24	6.32	6.34	6.28	6.32
00019PB19	6.30	6.30	6.25	6.24	6.32	6.34	6.28	6.32
00019PC19	6.31	6.30	6.26	6.25	6.32	6.34	6.28	6.32
00012__19	6.31	6.30	6.26	6.26	6.32	6.33	6.28	6.32
00009PB19	6.31	6.30	6.26	6.26	6.32	6.33	6.28	6.32
00009PC19	6.29	6.29	6.25	6.25	6.31	6.31	6.27	6.32
00006PB19	6.29	6.29	6.25	6.25	6.31	6.31	6.27	6.32
00006PC19	6.31	6.30	6.27	6.27	6.34	6.33	6.28	6.32
00002PB19	6.31	6.30	6.27	6.27	6.34	6.33	6.28	6.32
00002PC19	6.34	6.33	6.31	6.31	6.40	6.38	6.31	6.32

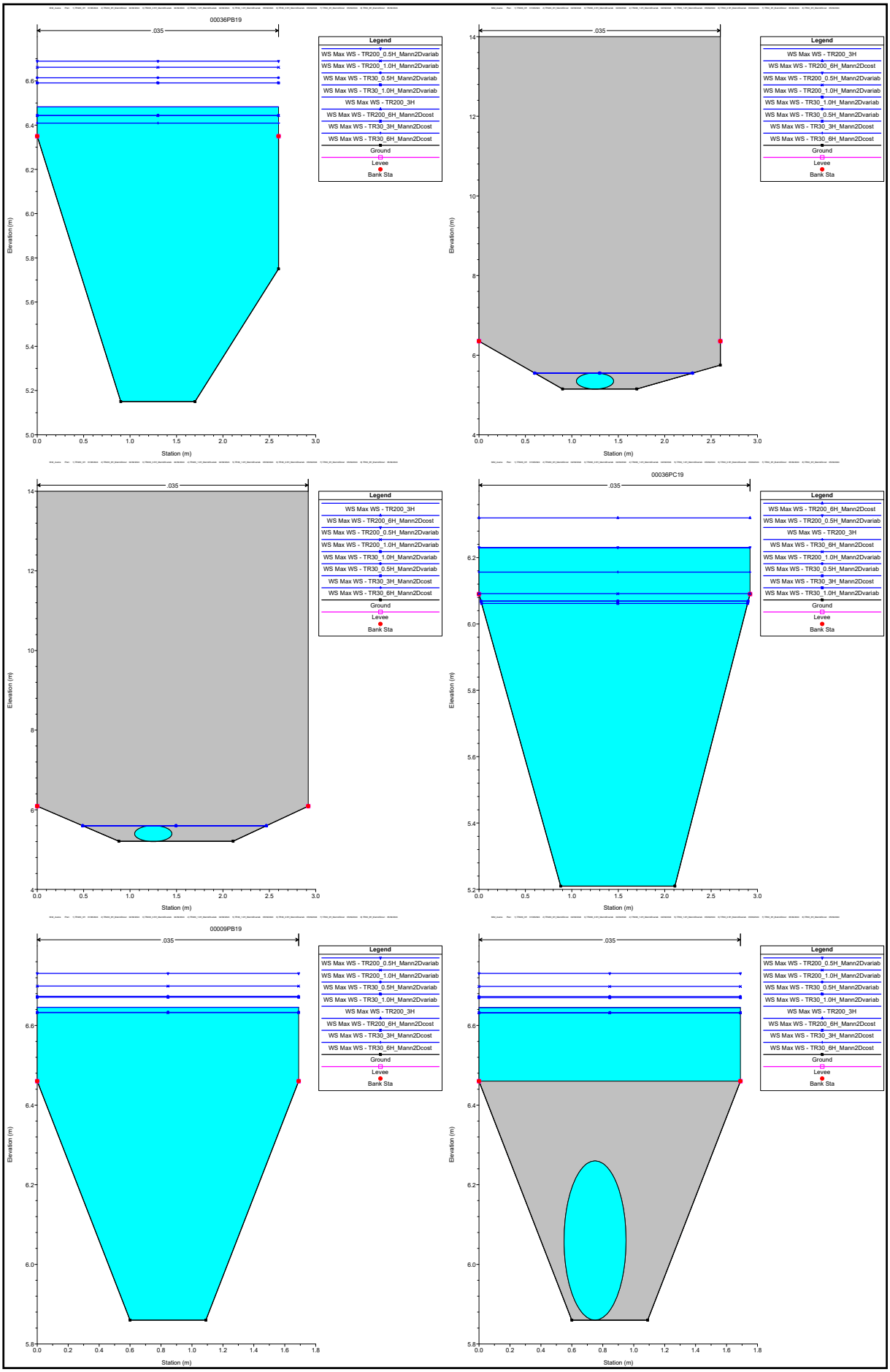
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO VERDI								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00063PB19	6.54	6.60	6.60	6.62	6.76	6.66	6.69	6.73
00063PC19	6.54	6.60	6.60	6.62	6.78	6.66	6.69	6.74
00061__19	6.54	6.60	6.60	6.62	6.78	6.66	6.69	6.74
00032PB19	6.54	6.60	6.60	6.62	6.78	6.65	6.68	6.73
00032PC19	6.09	6.13	6.17	6.19	6.23	6.20	6.24	6.32
00006PB19	6.09	6.13	6.23	6.19	6.23	6.20	6.30	6.32


00034__19
.035
.035
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00016__19
00013PB19
00013PC19


00009PB19
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00009PC19
00006PB19


.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00006PC19
00005PB19
00005PC19


00001PB19
.035
Elevation (m)
Station (m)
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
.035
Elevation (m)
Station (m)
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
.035
Elevation (m)
Station (m)
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
00001PC19
.035
Elevation (m)
Station (m)
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta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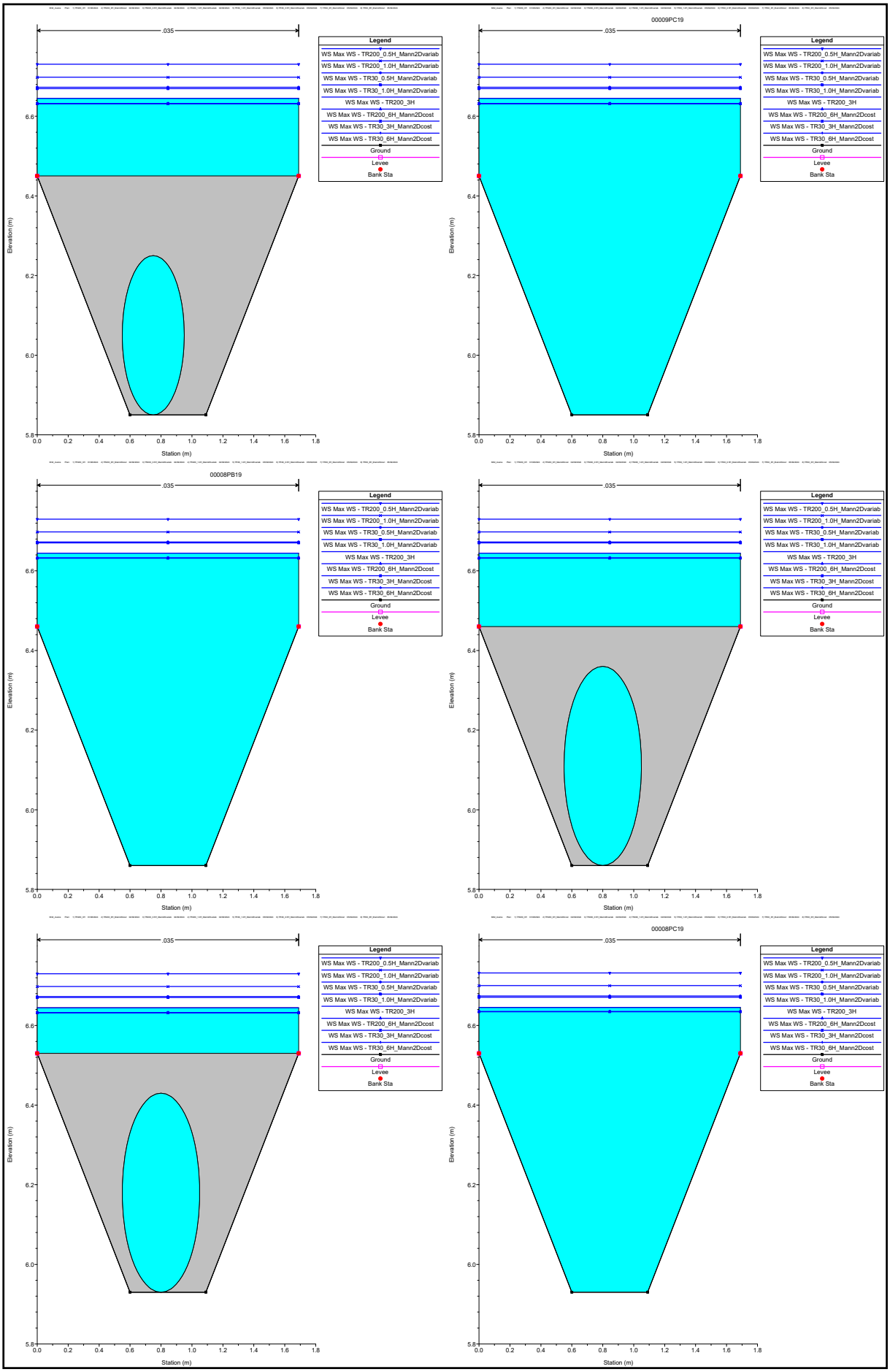
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00036PC19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00009PB19
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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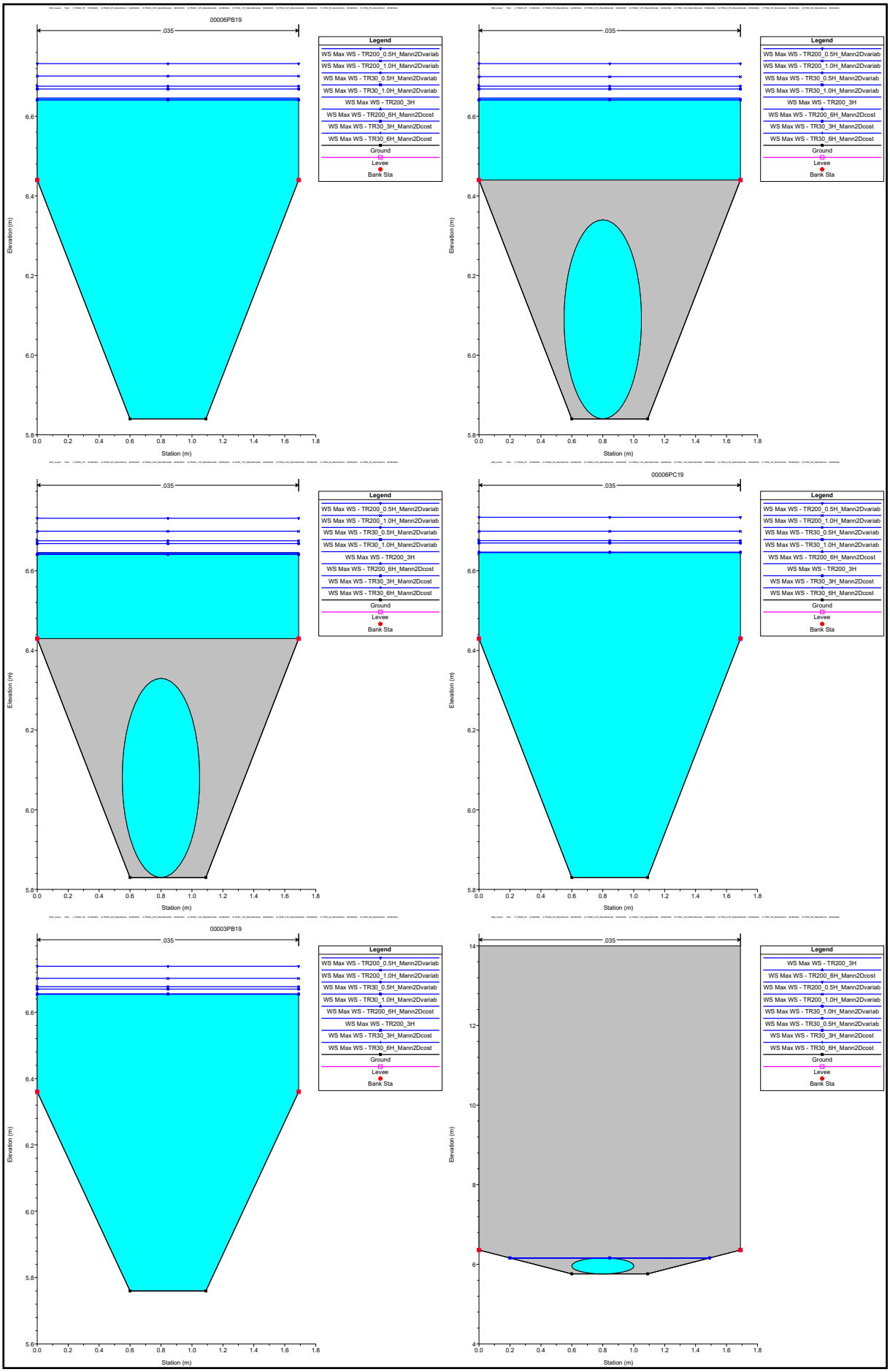
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00009PC19
00008PB19
00008PC19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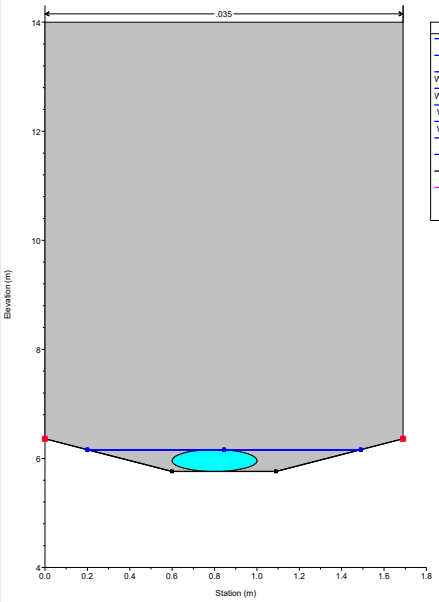
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00006PC19
00003PB19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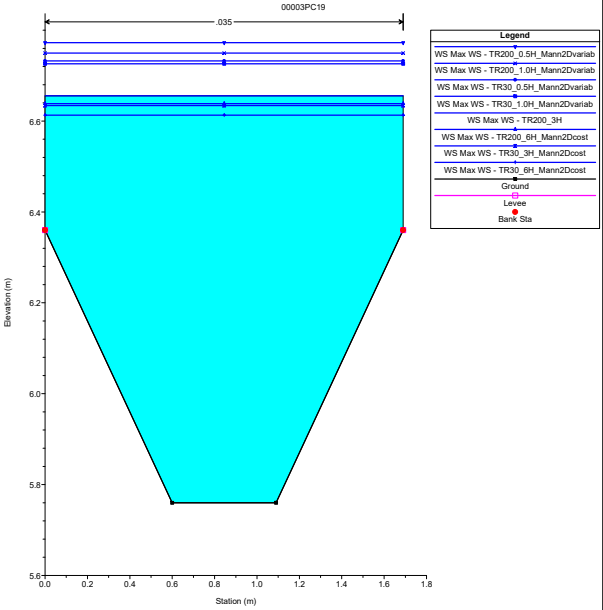
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

00003PC19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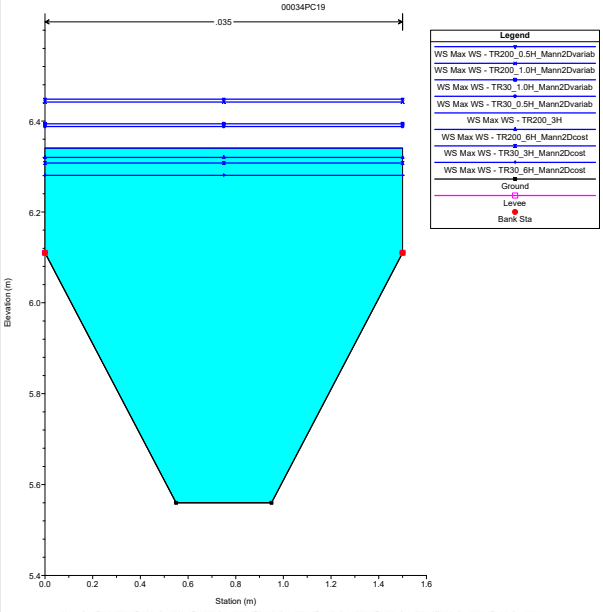
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

00034PC19



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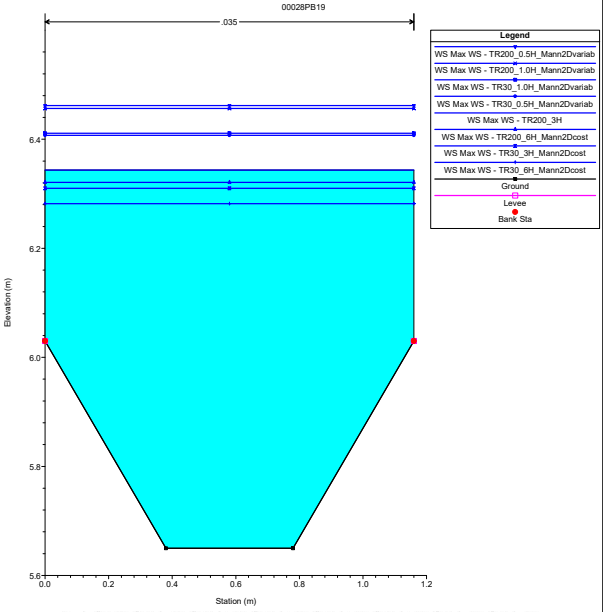

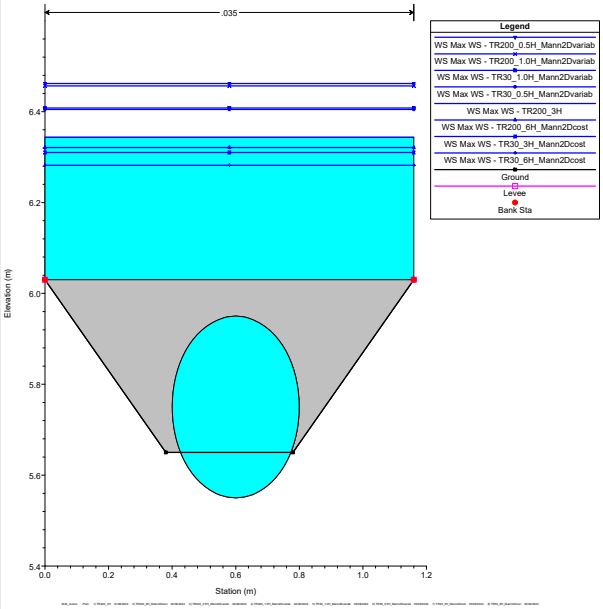

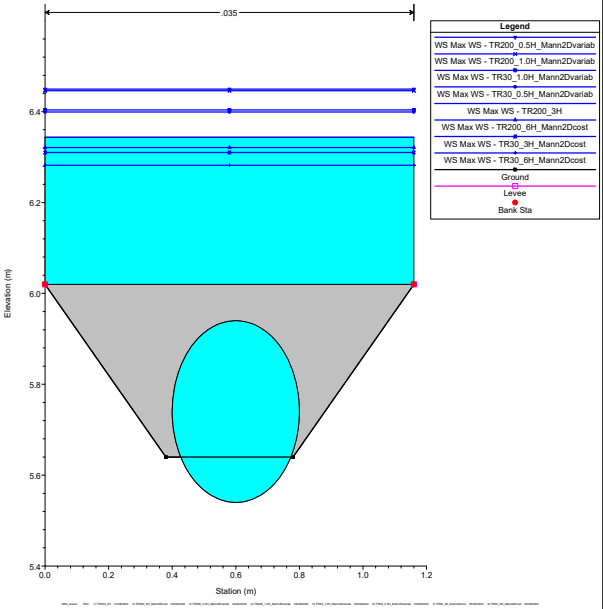

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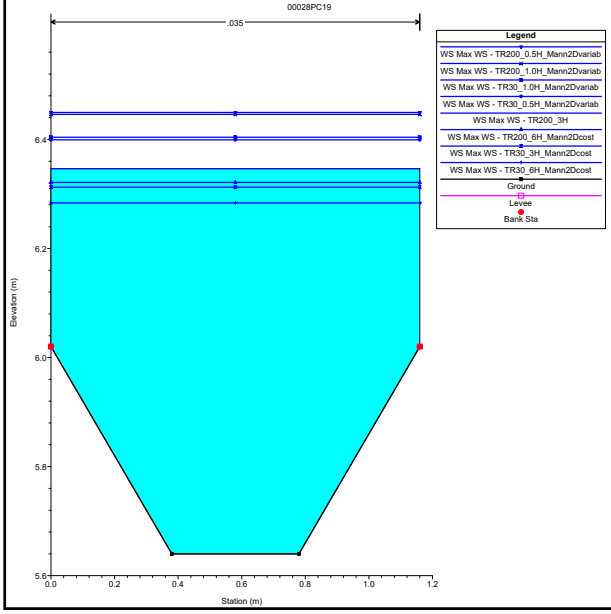

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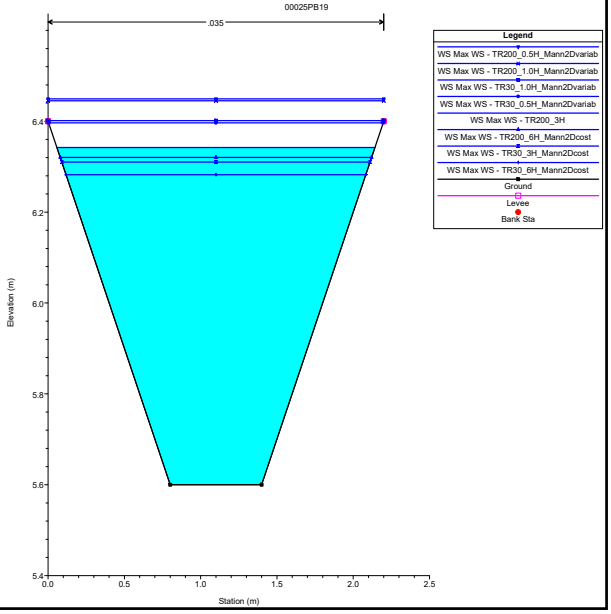

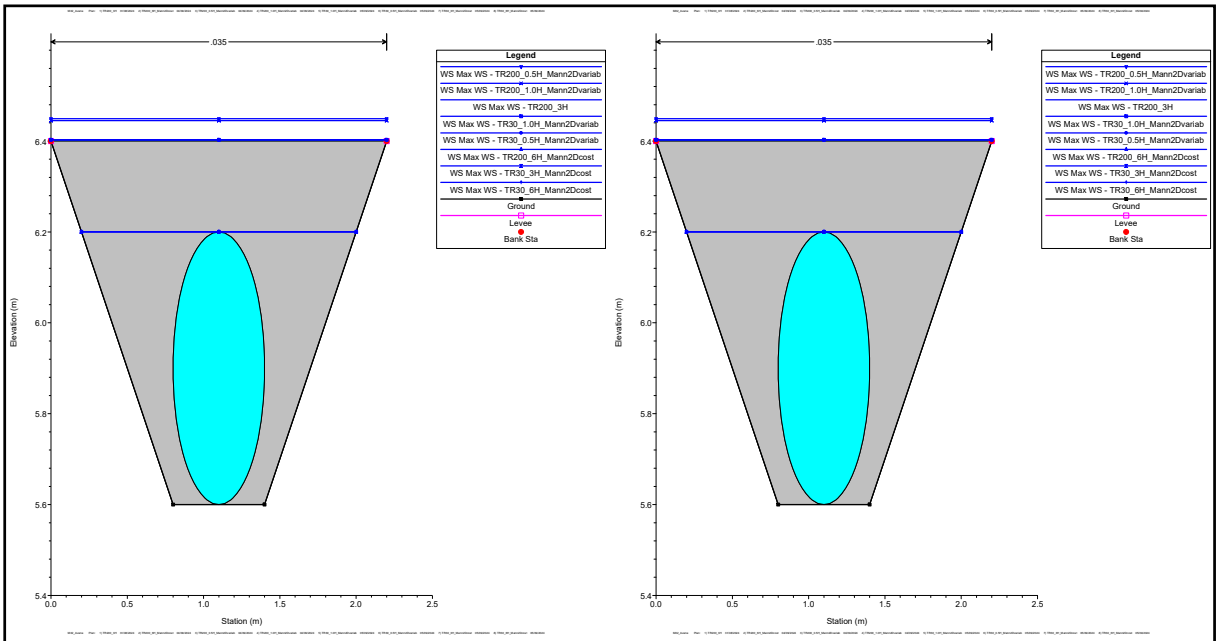
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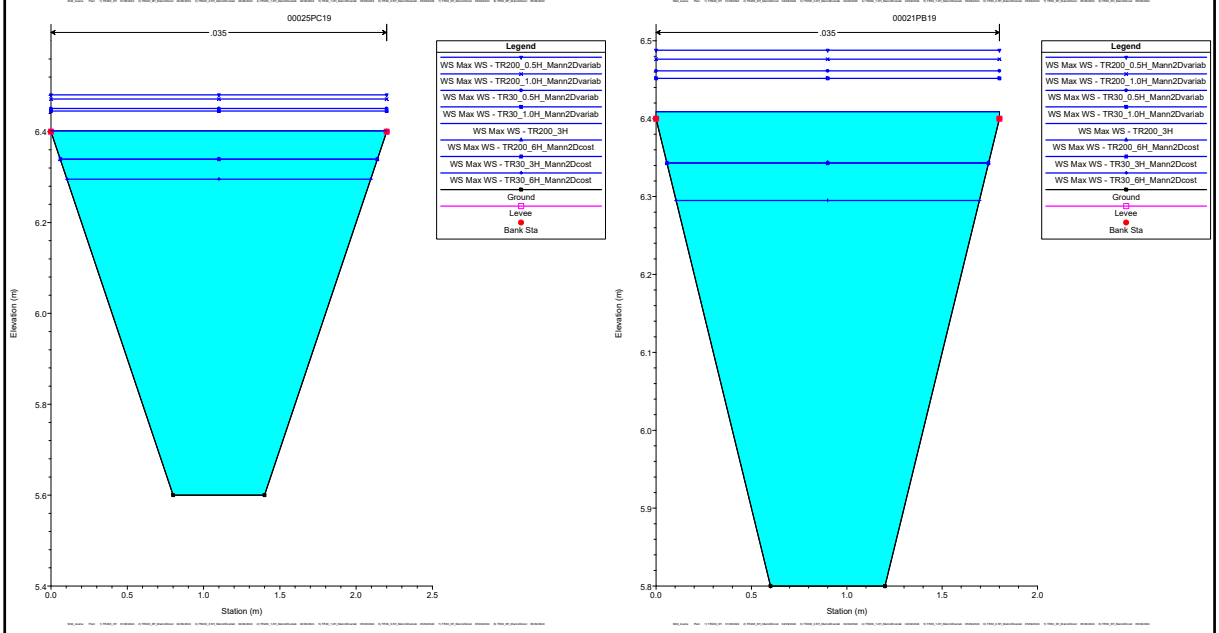
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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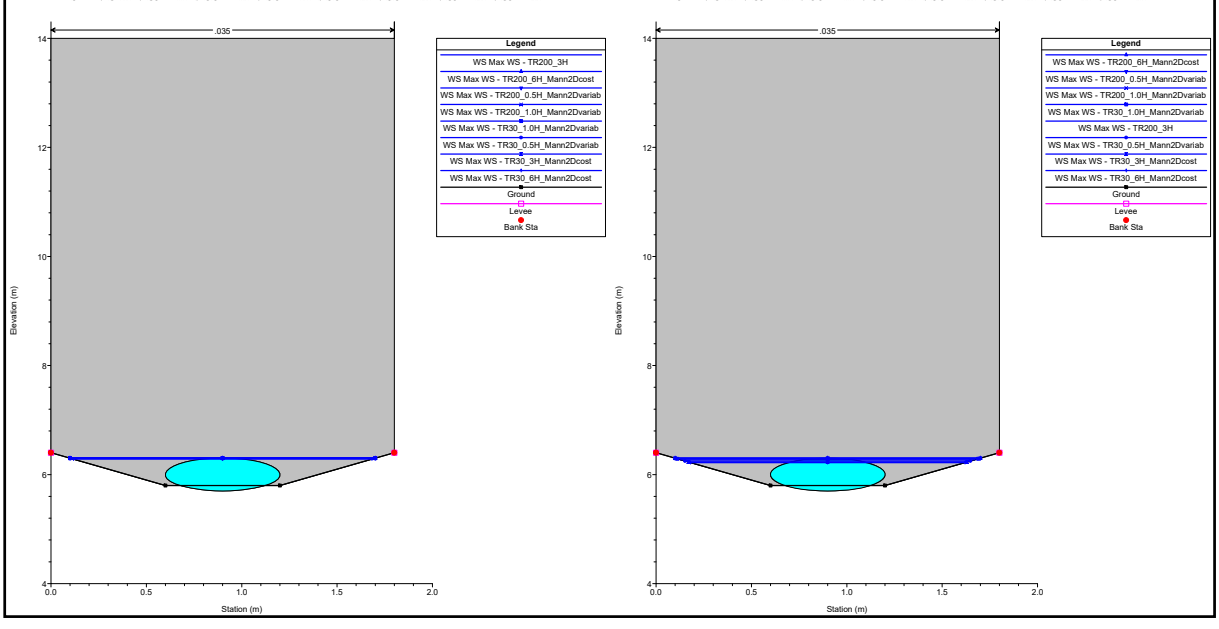
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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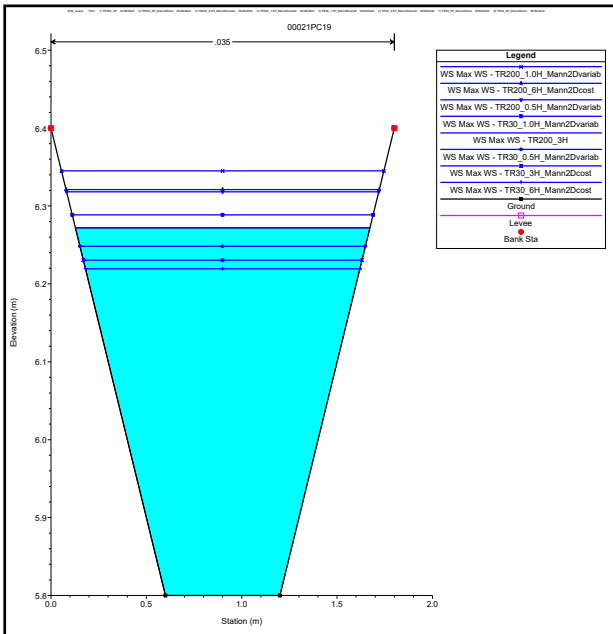
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

.035
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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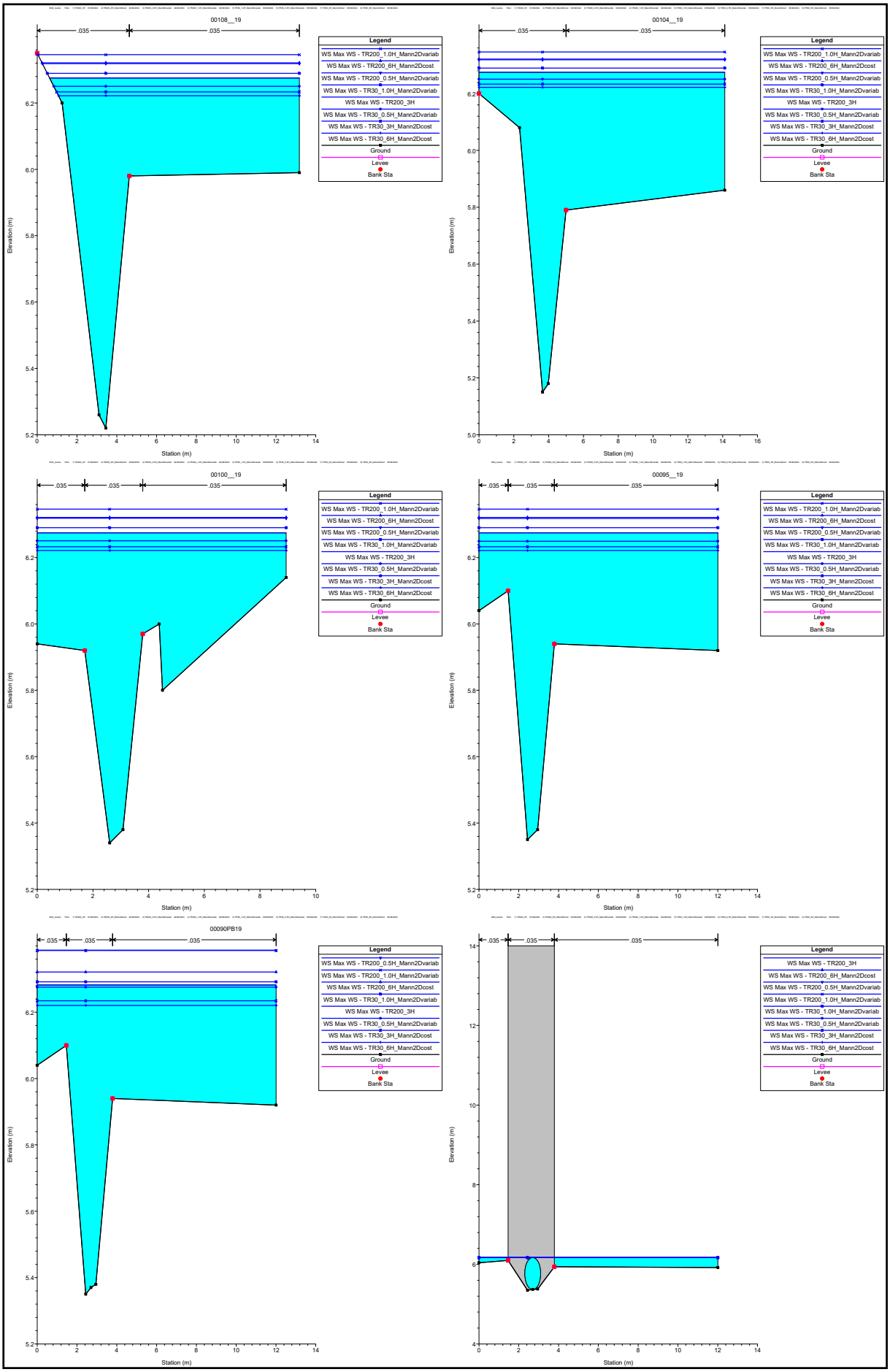
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
6.5
6.4
6.3
6.2
6.1
6.0
5.9
5.8
0.0
0.5
1.0
1.5
2.0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Legend
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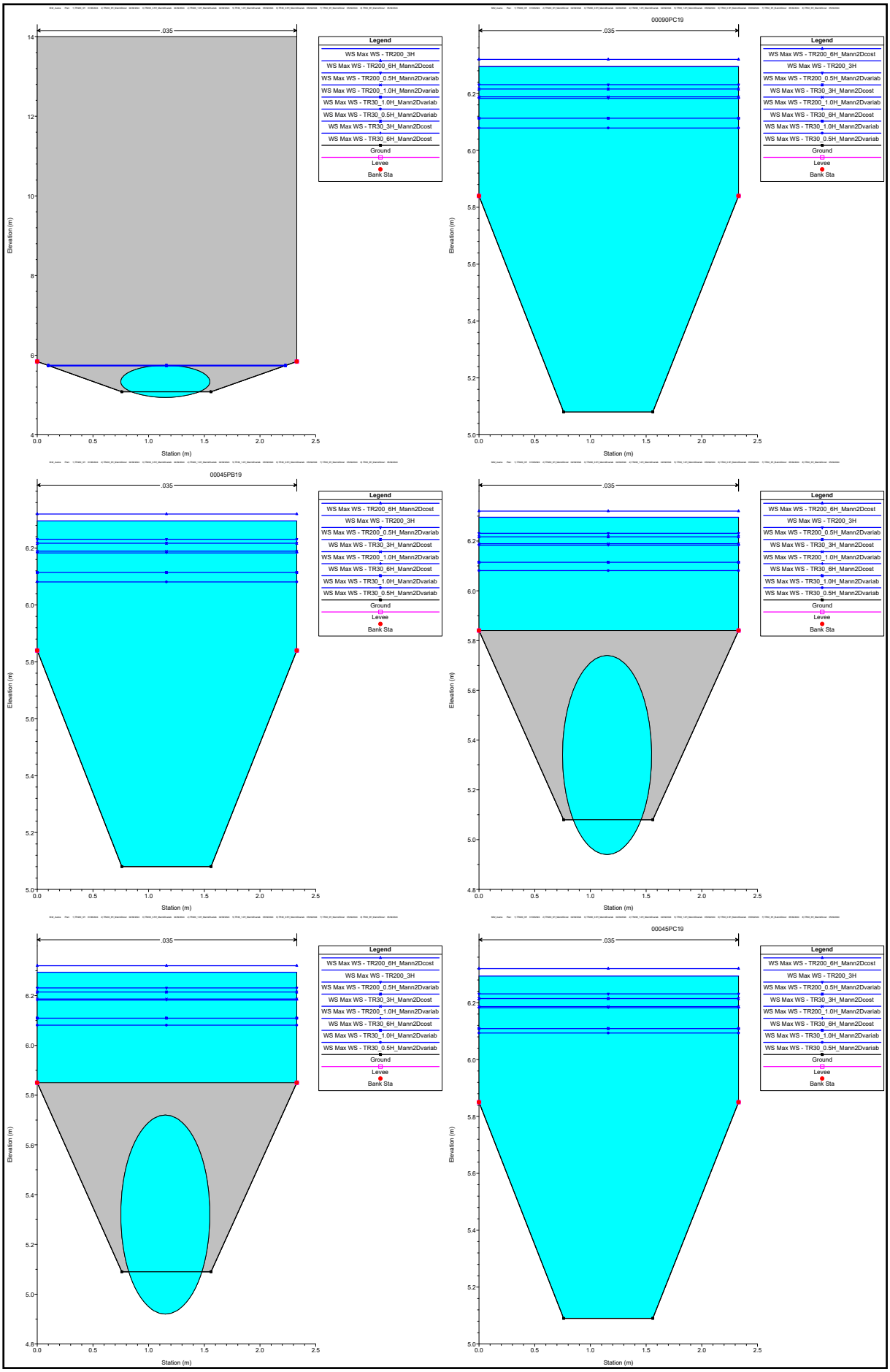
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00104__19
.035
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00100__19
.035
.035
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00095__19
.035
.035
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00090PB19
.035
.035
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
.035
.035
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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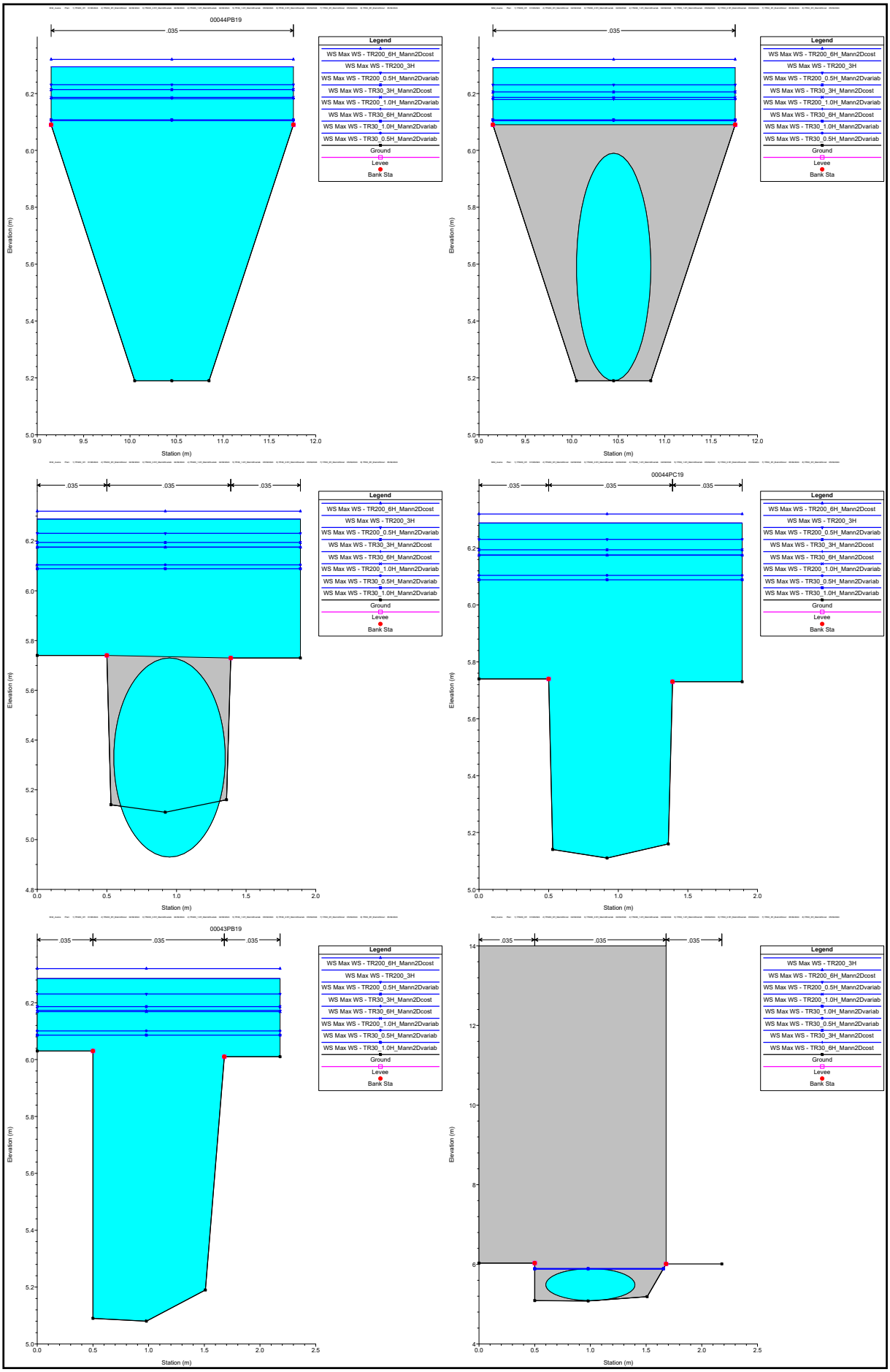
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00090PC19
00045PB19
00045PC19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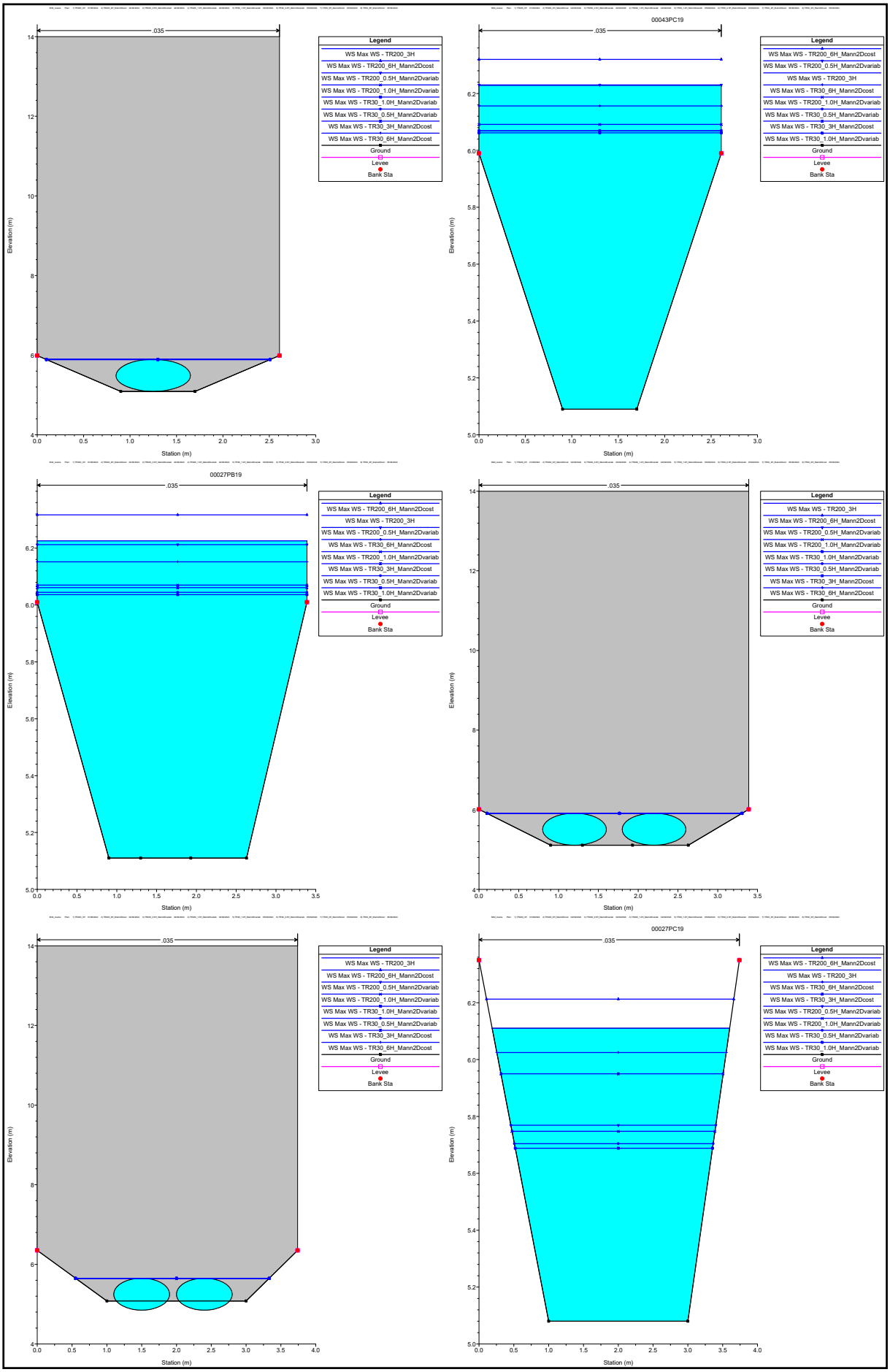
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00044PC19
00043PB19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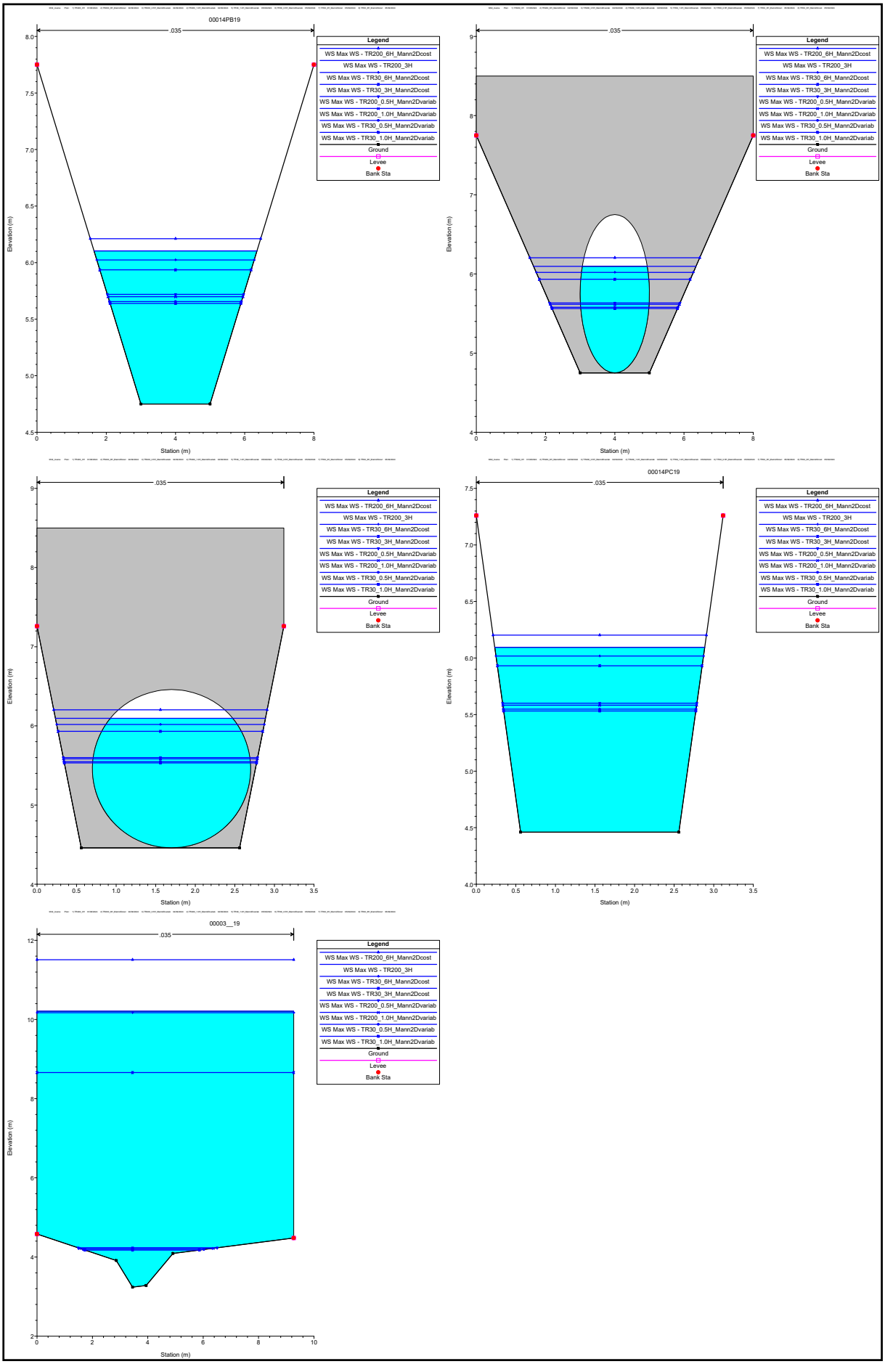
Legend
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00043PC19
00027PB19
00027PC19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Legend
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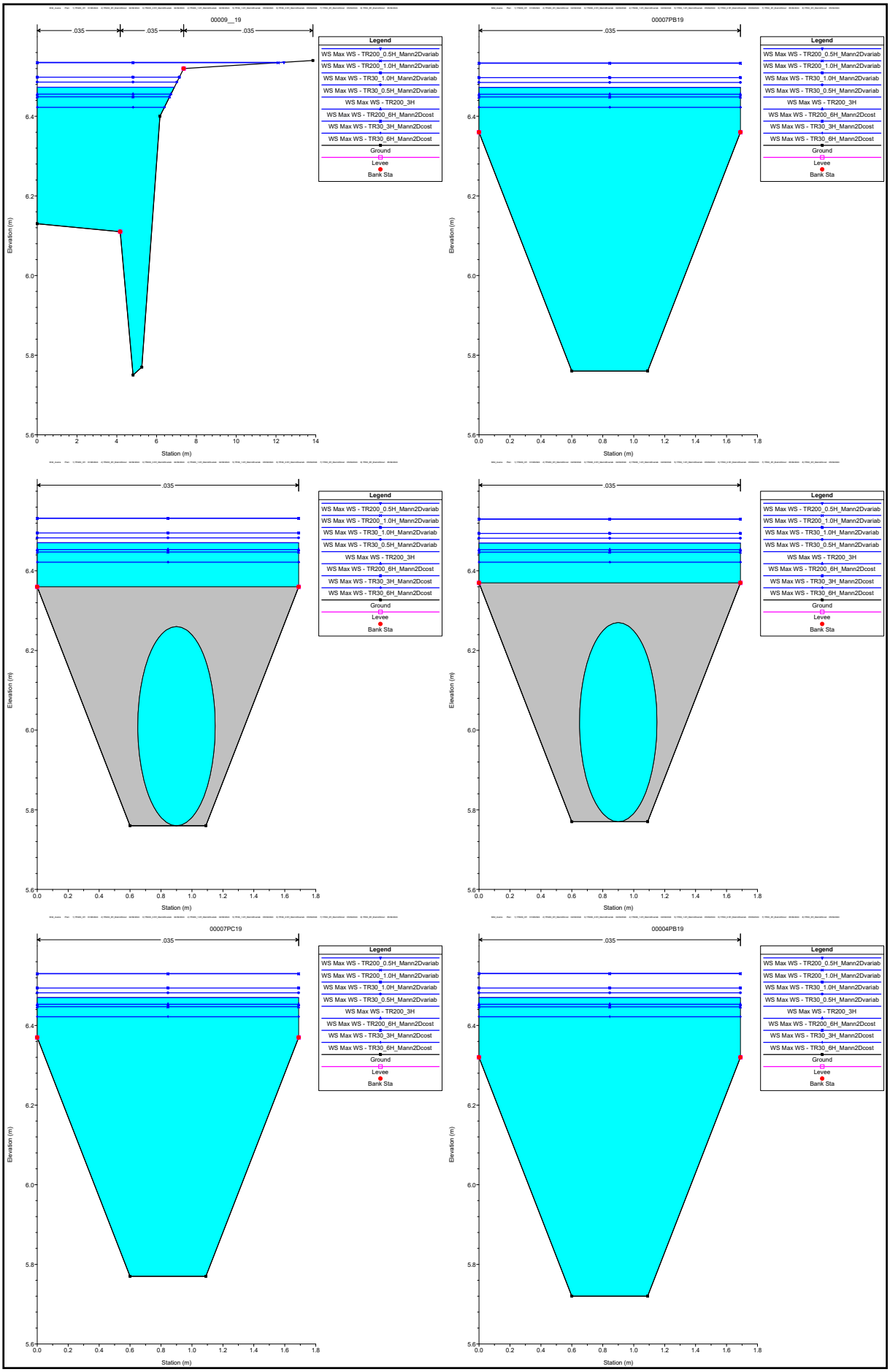
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00014PC19
00003__19


00009__19
.035
.035
.035
Legend
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WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00007PB19
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00007PC19
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Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00004PB19
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
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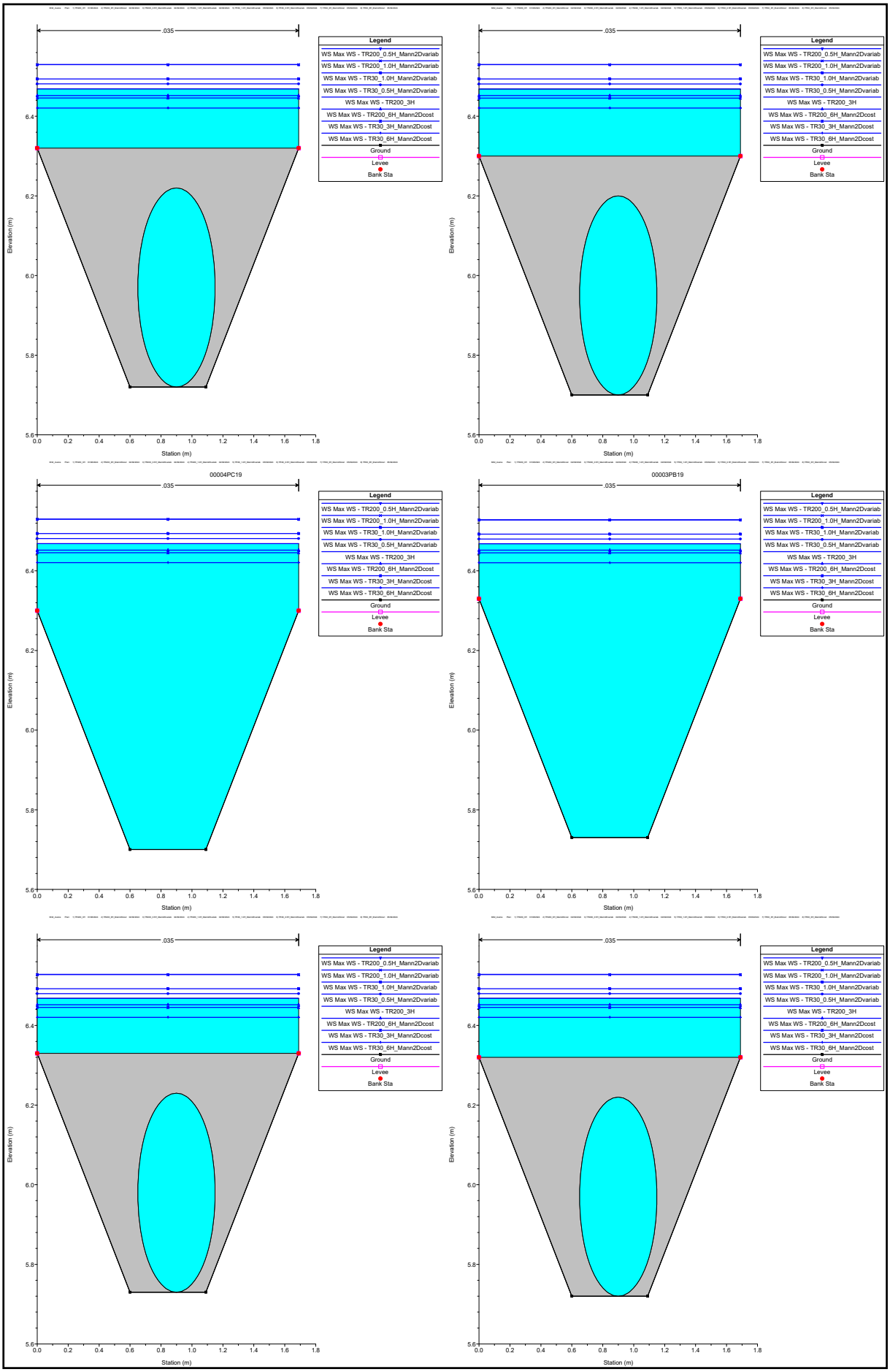
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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Legend
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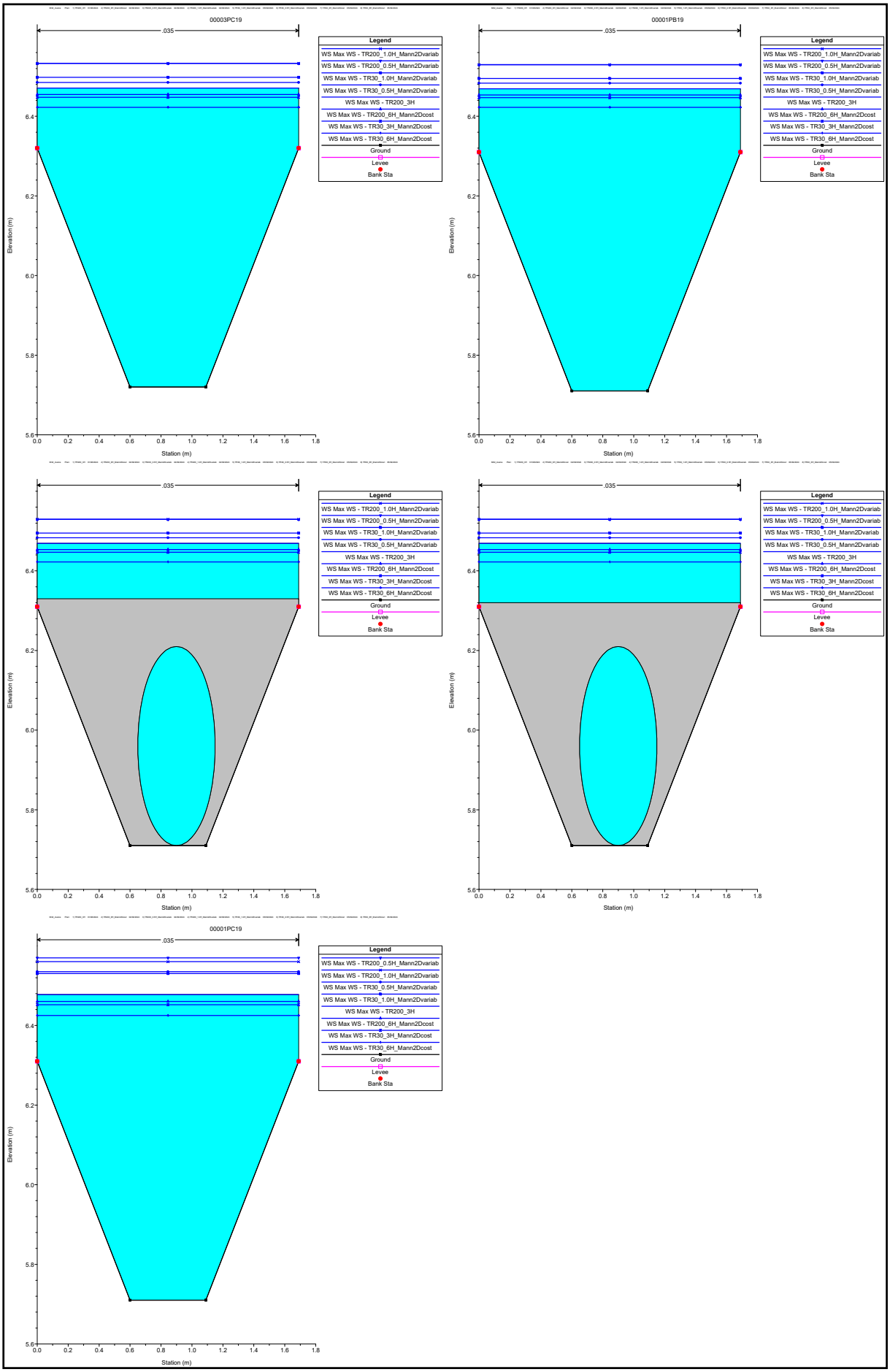
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00004PC19
00003PB19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Legend
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WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00001PB19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
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WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00001PC19
.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
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Ground
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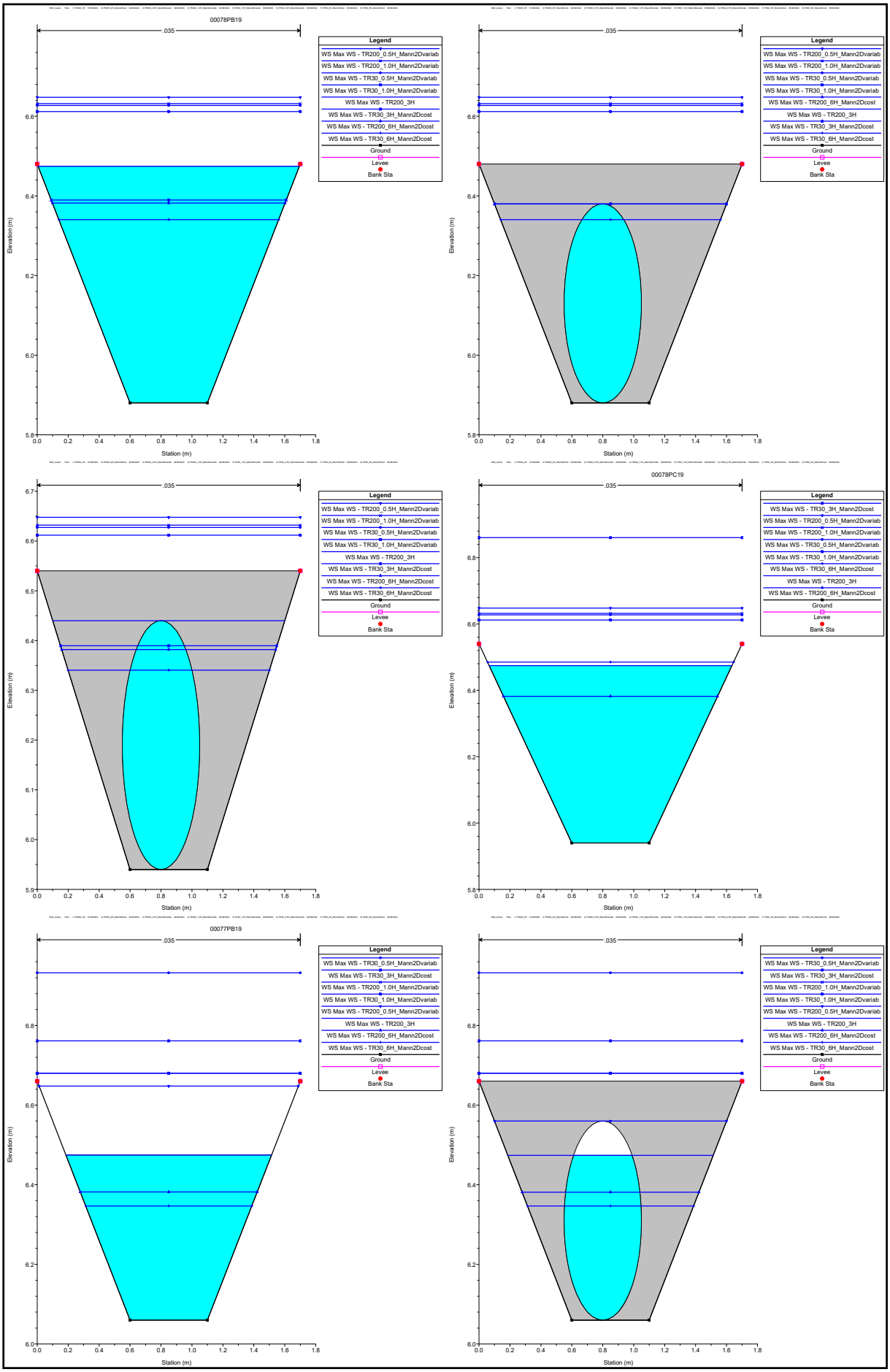
Bank Sta
Elevation (m)
Station (m)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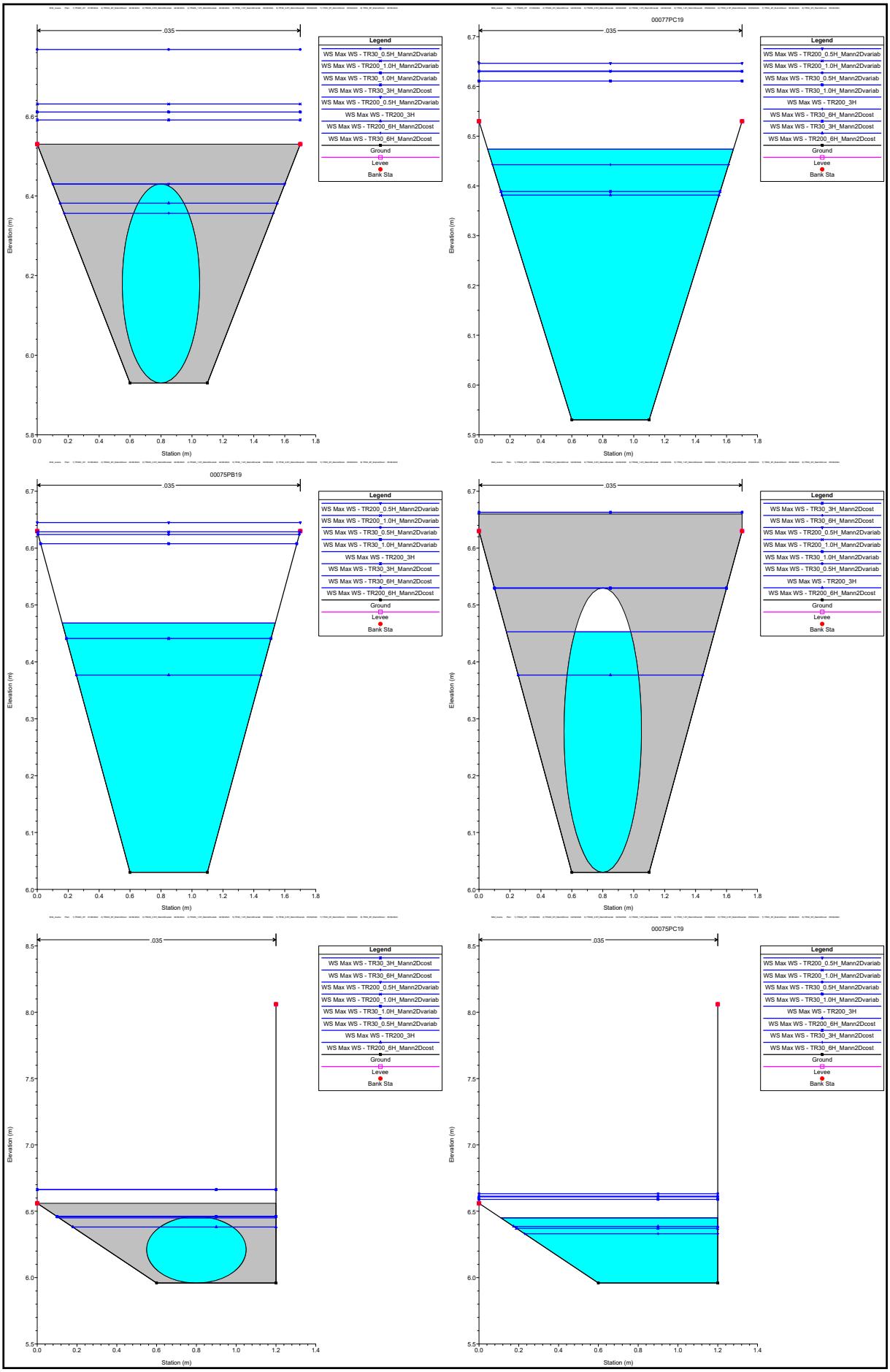
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
0007BPC19
.035
Legend
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00077PB19
.035
Legend
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00077PC19
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
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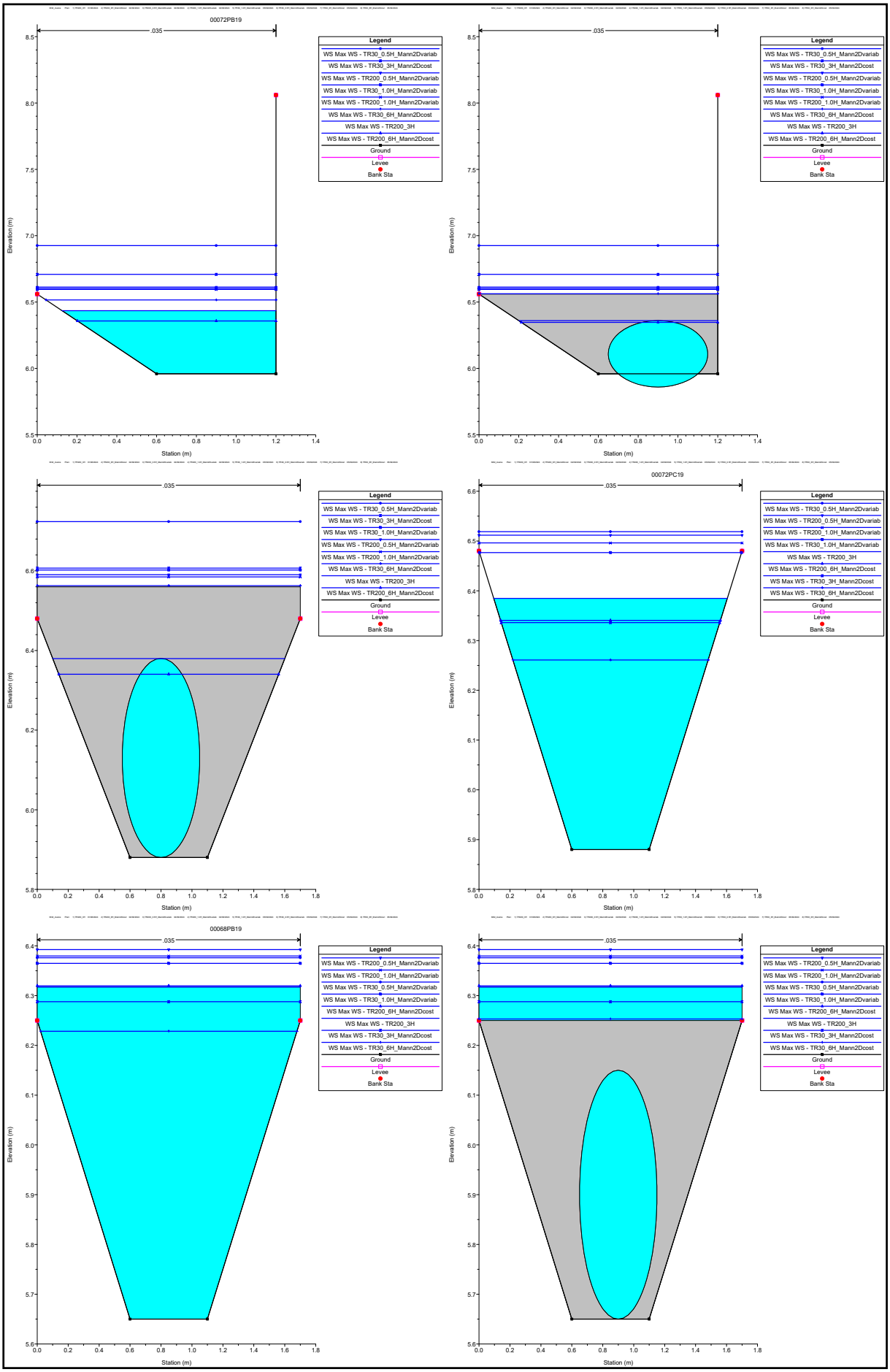
00075PC19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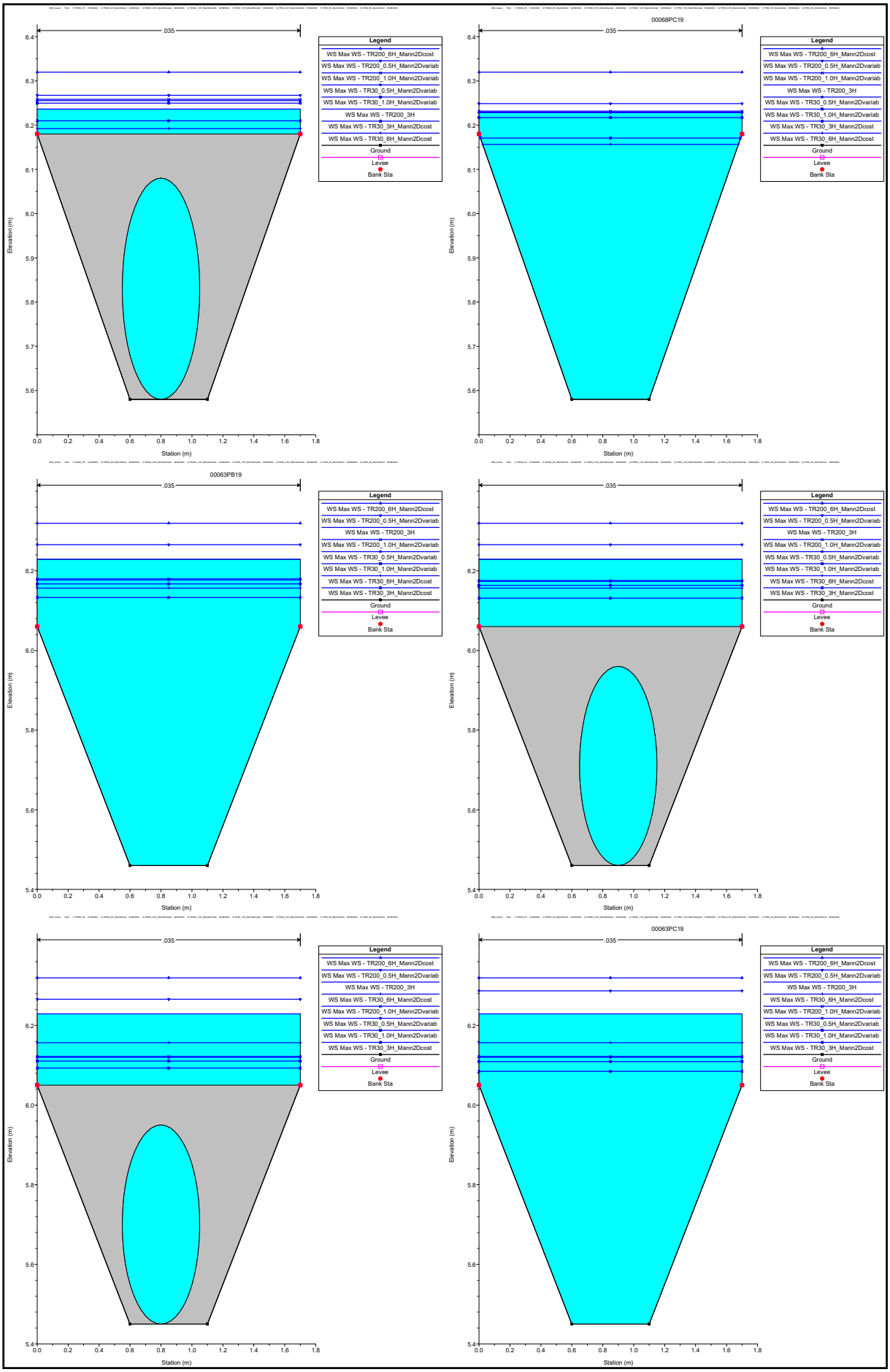
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00072PC19
00068PB19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WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
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Ground
Levee
Bank Sta
Elevation (m)
Station (m)
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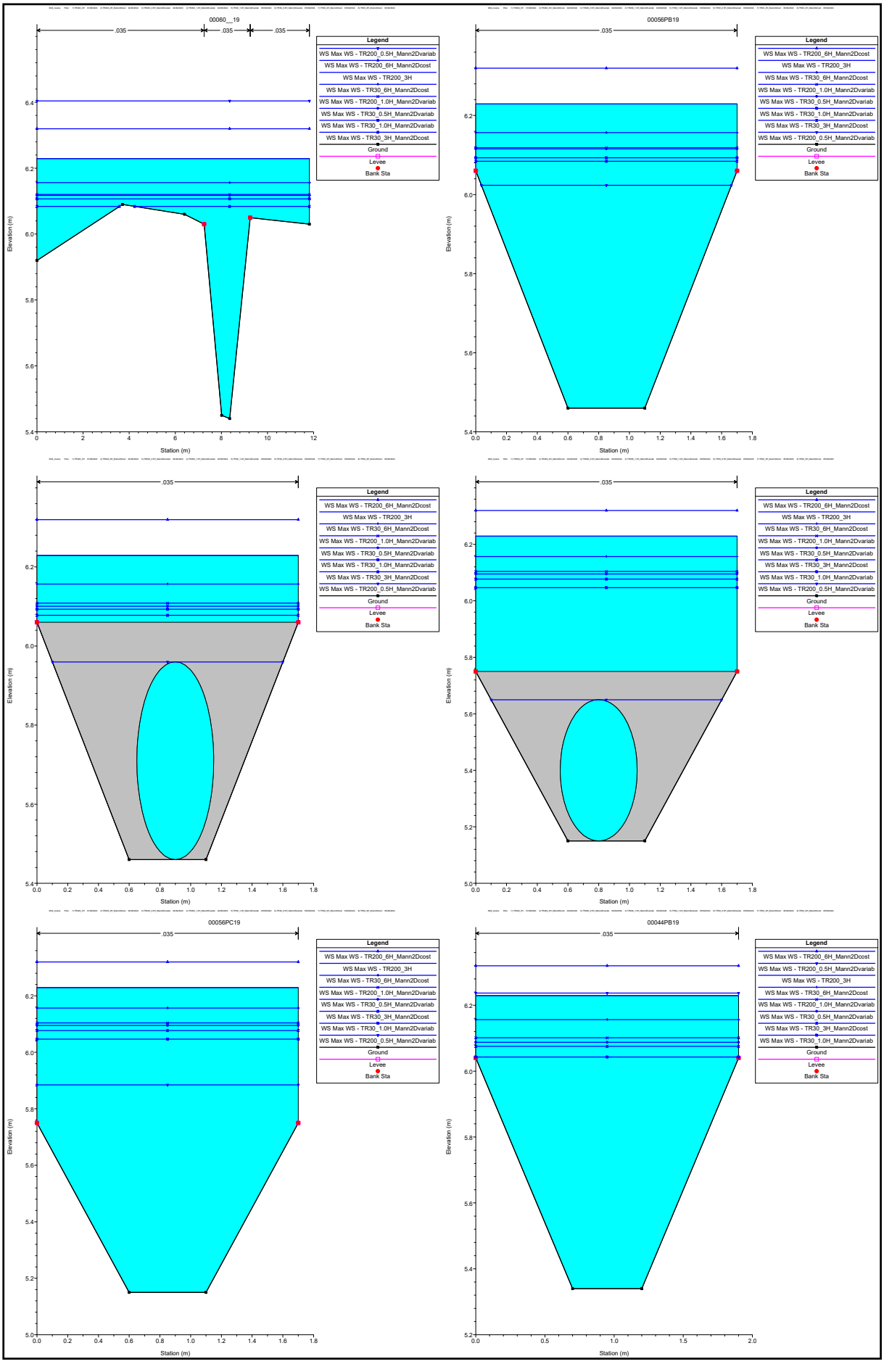
00063PC19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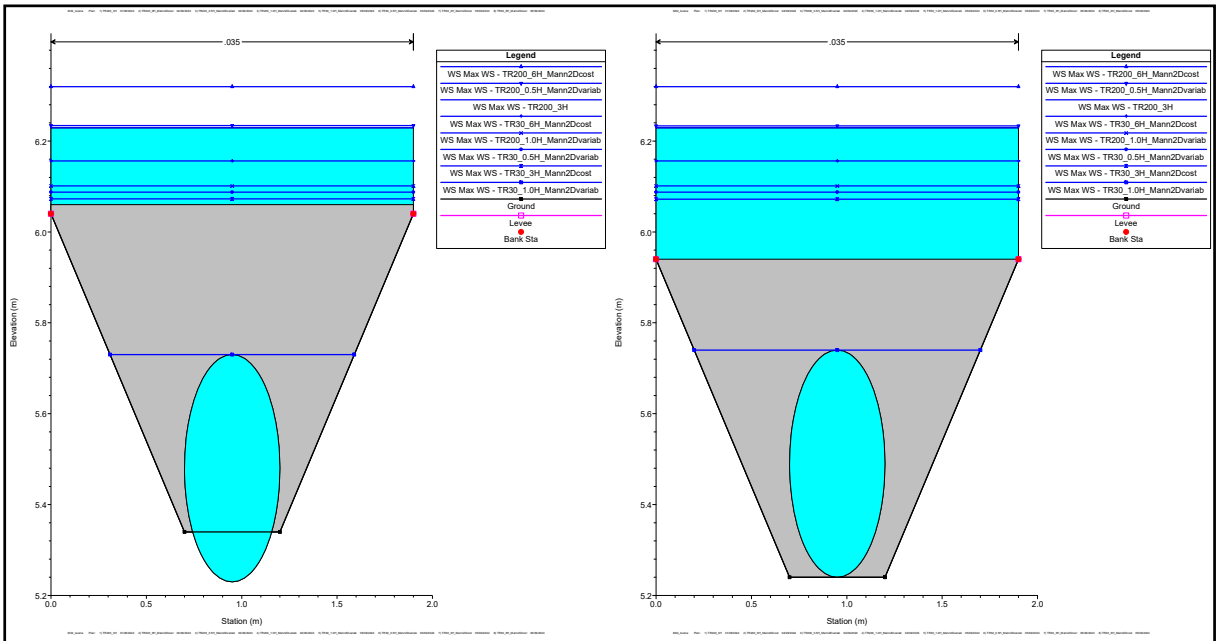
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00056PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00056PC19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00044PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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Legend
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WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
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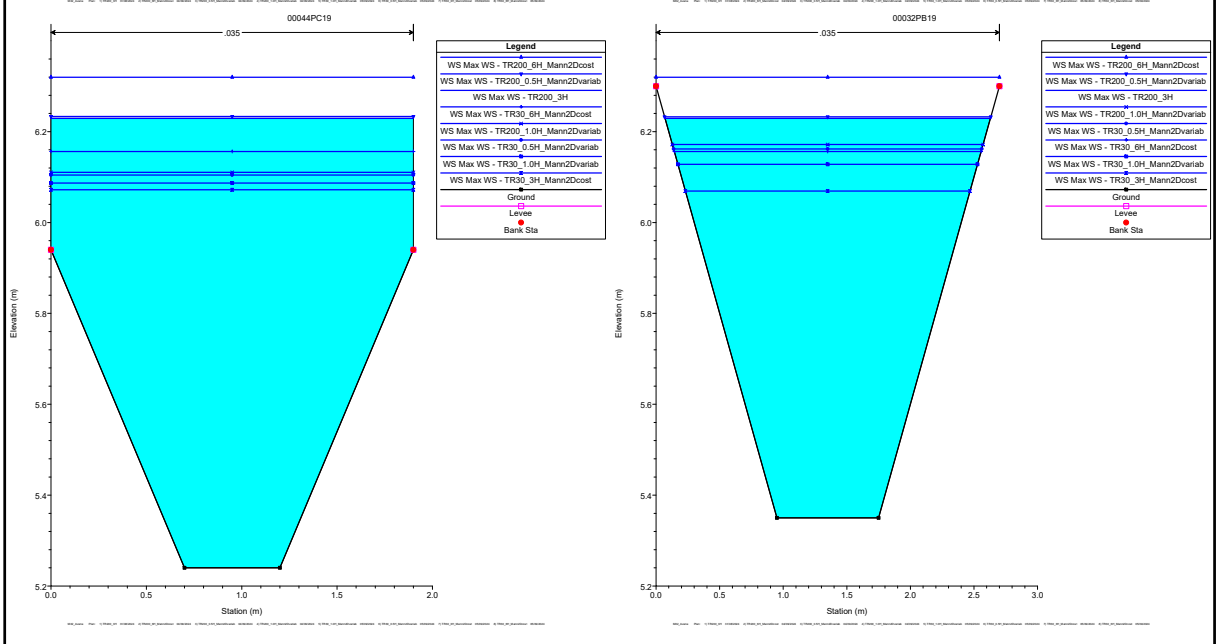
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
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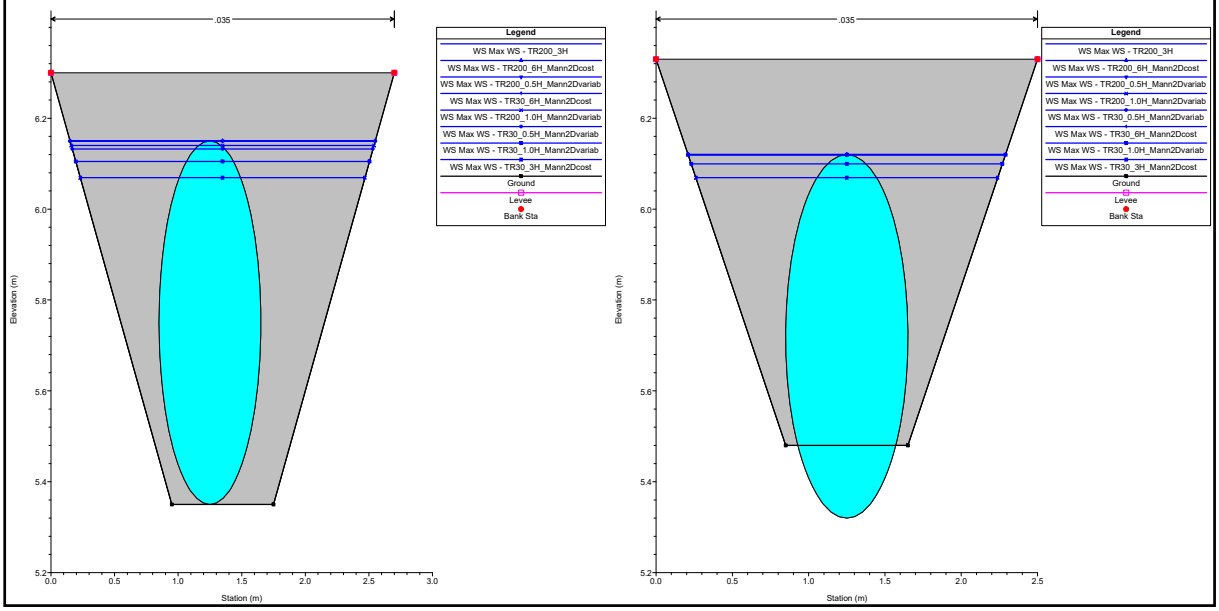
WS Max WS - TR30_3H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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Legend
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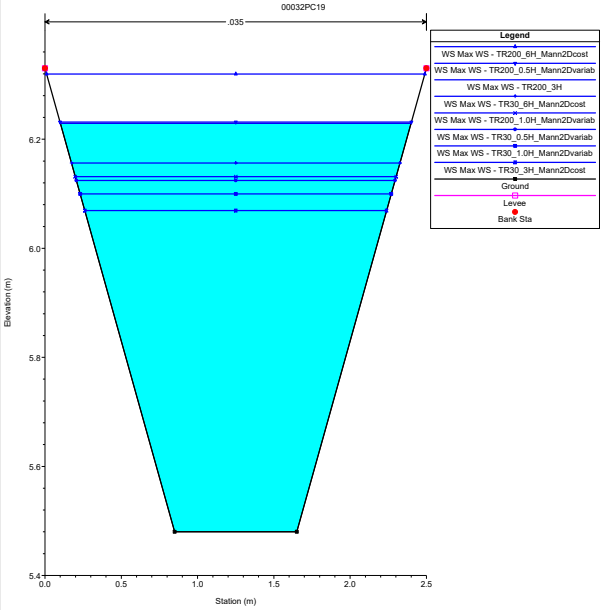
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

00032PC19



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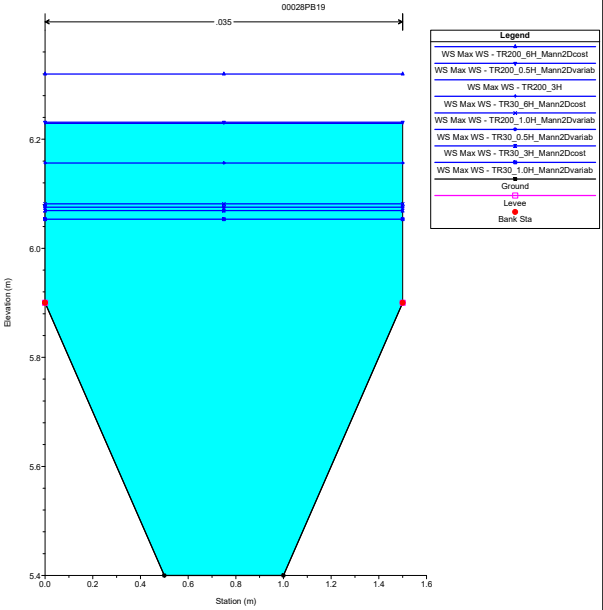

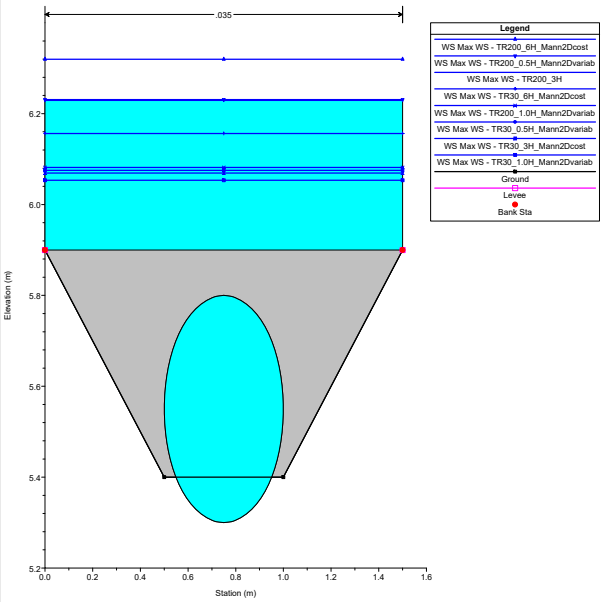

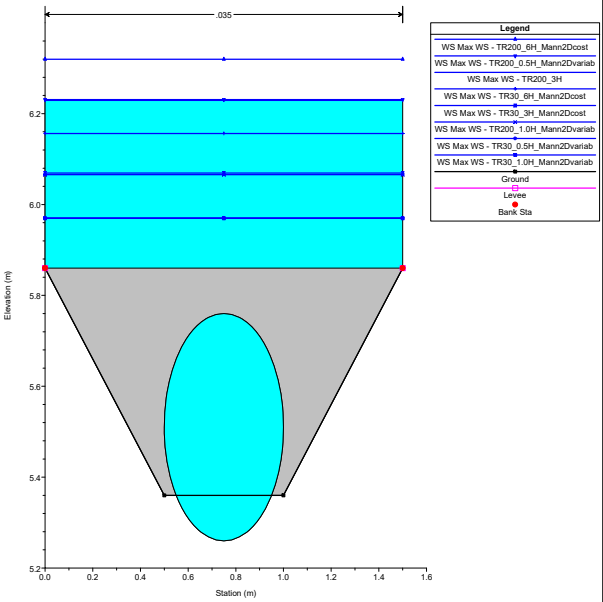

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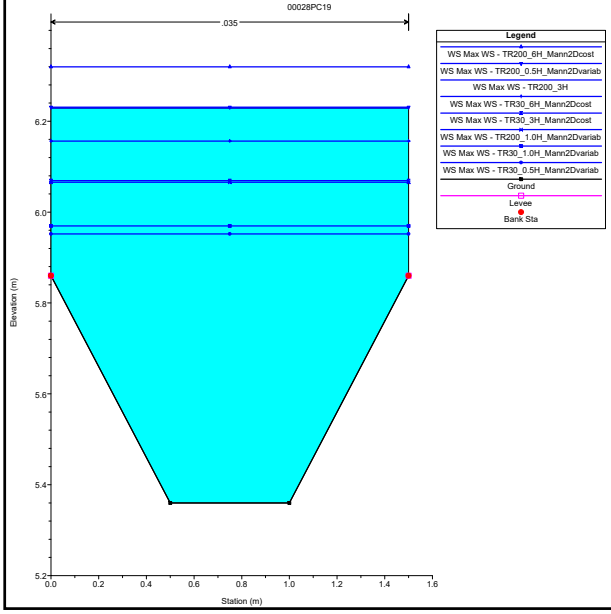

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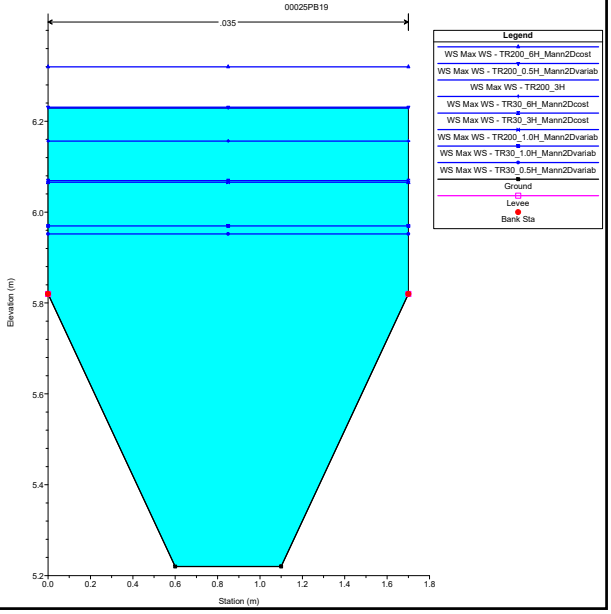

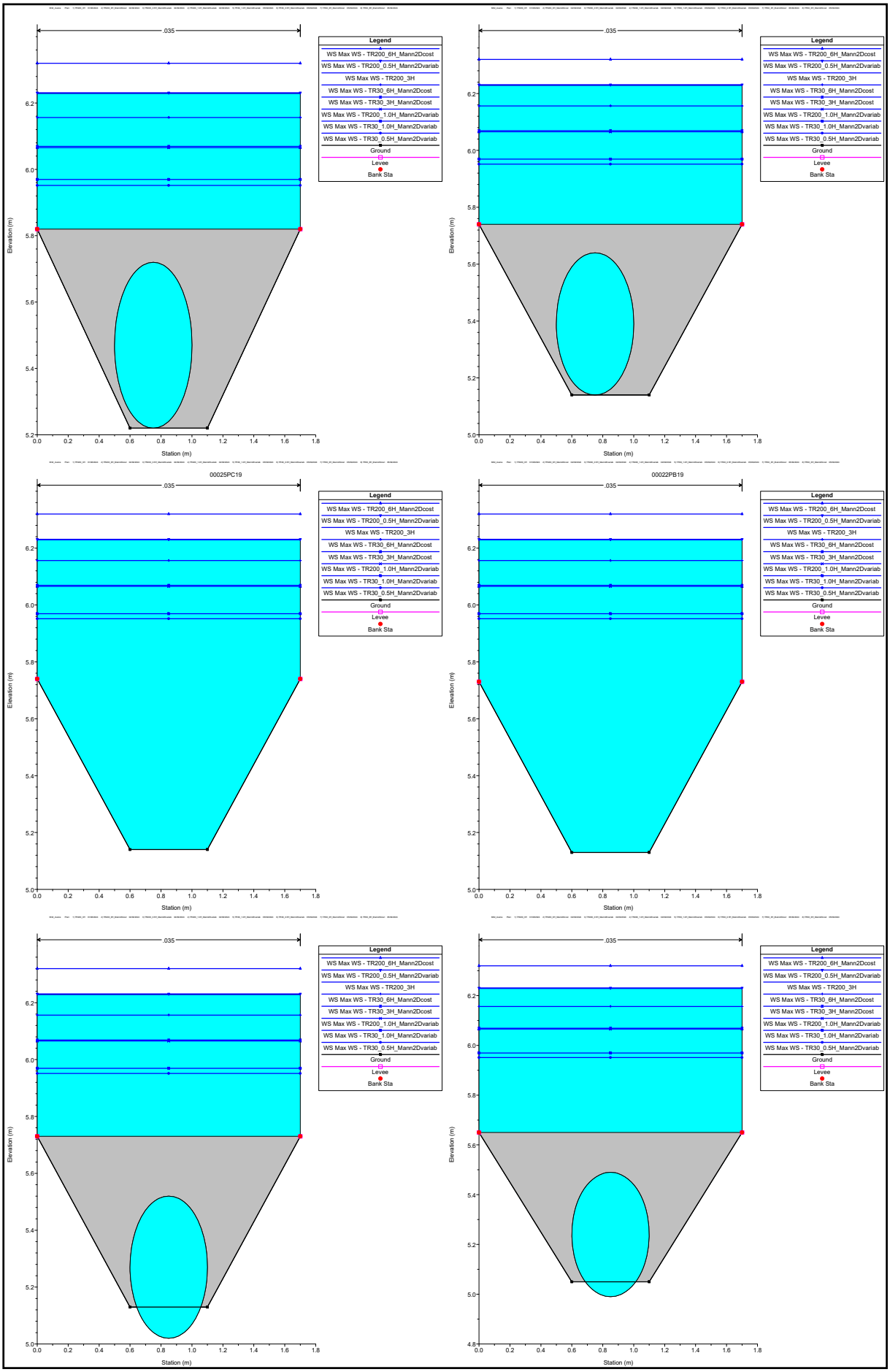
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Legend
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WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
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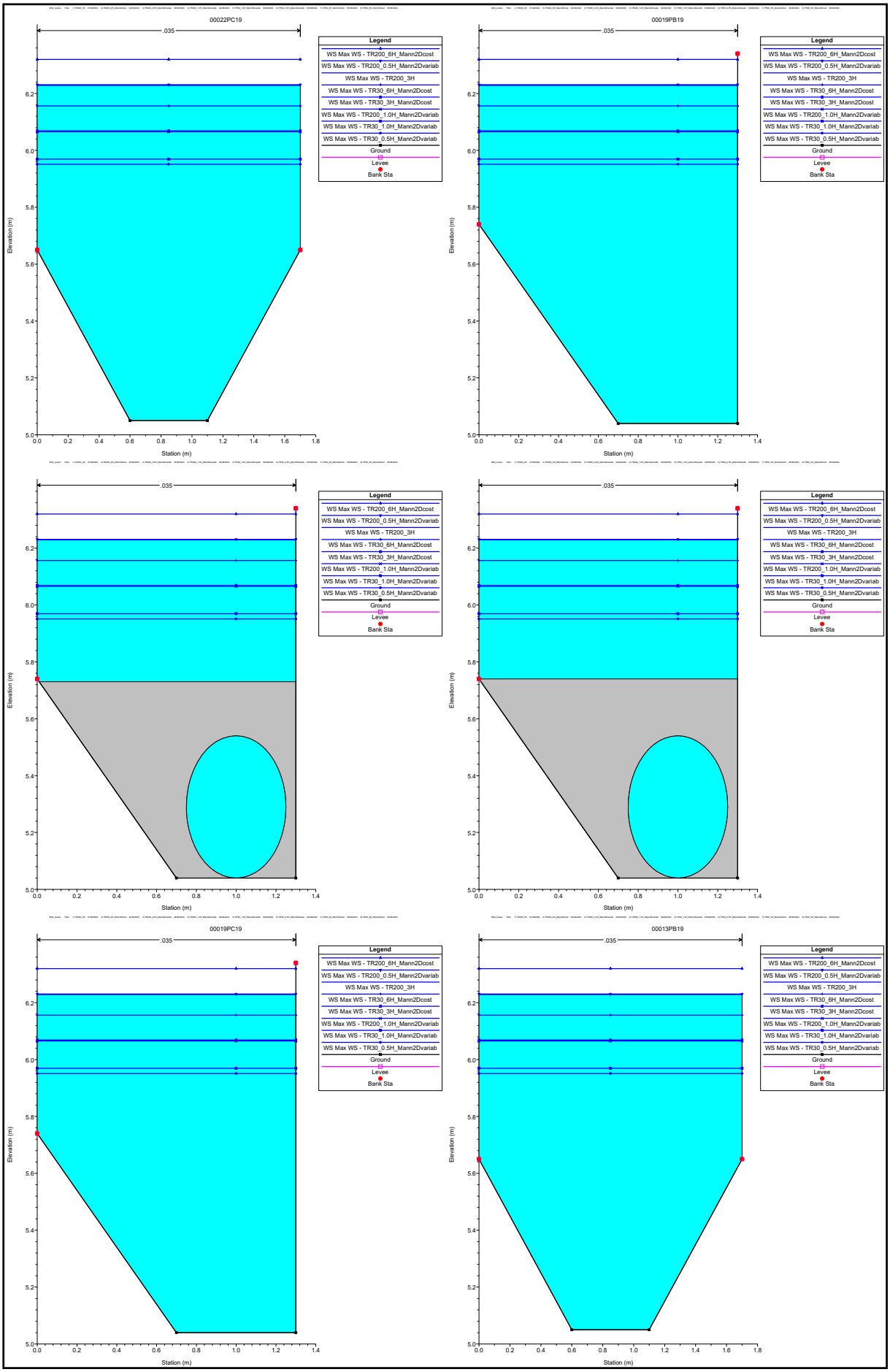
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00025PC19
00022PB19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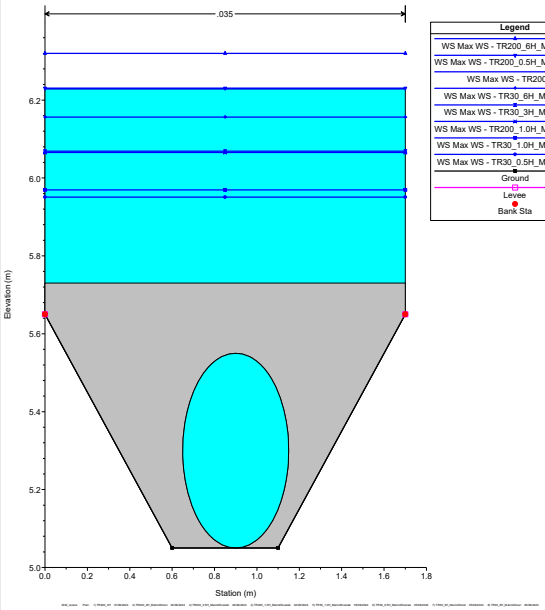
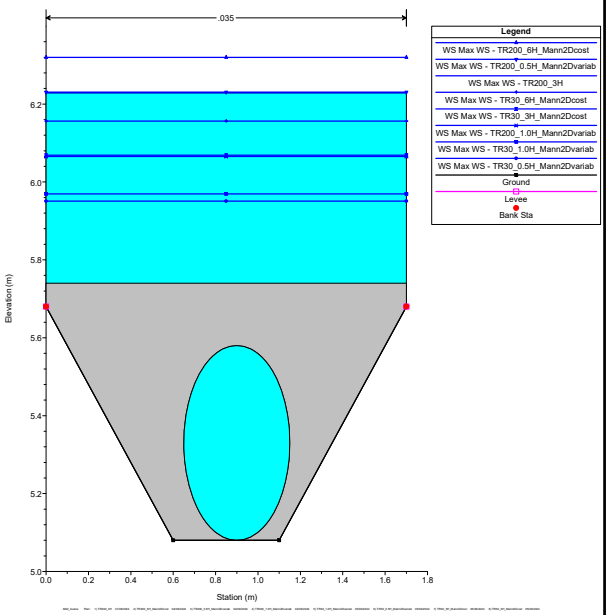
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00019PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00019PC19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00013PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)





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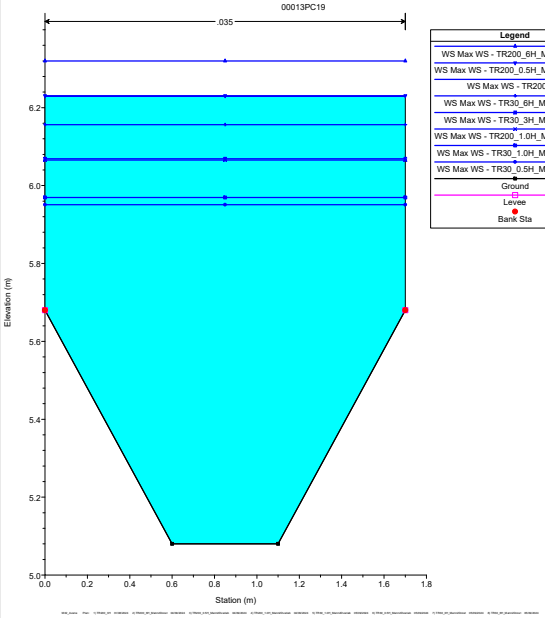

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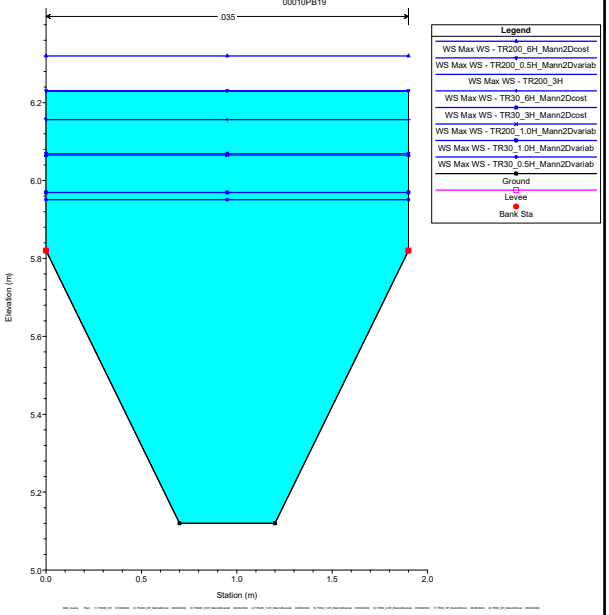
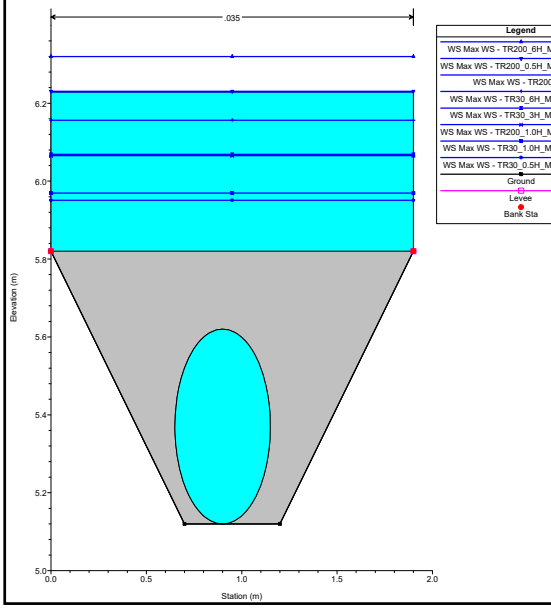
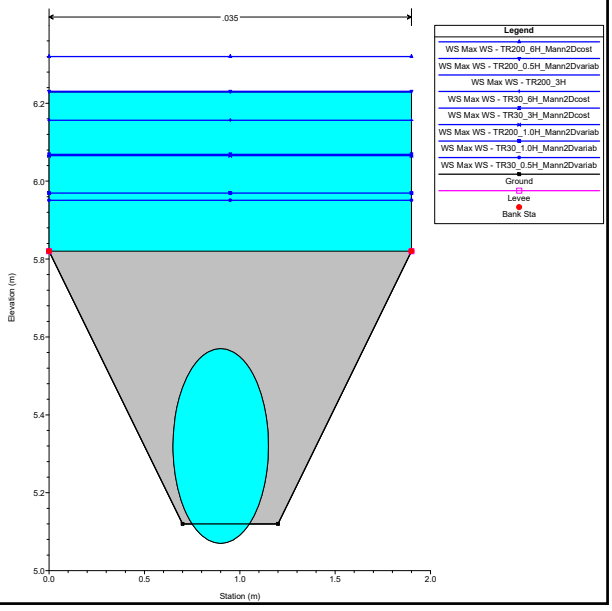
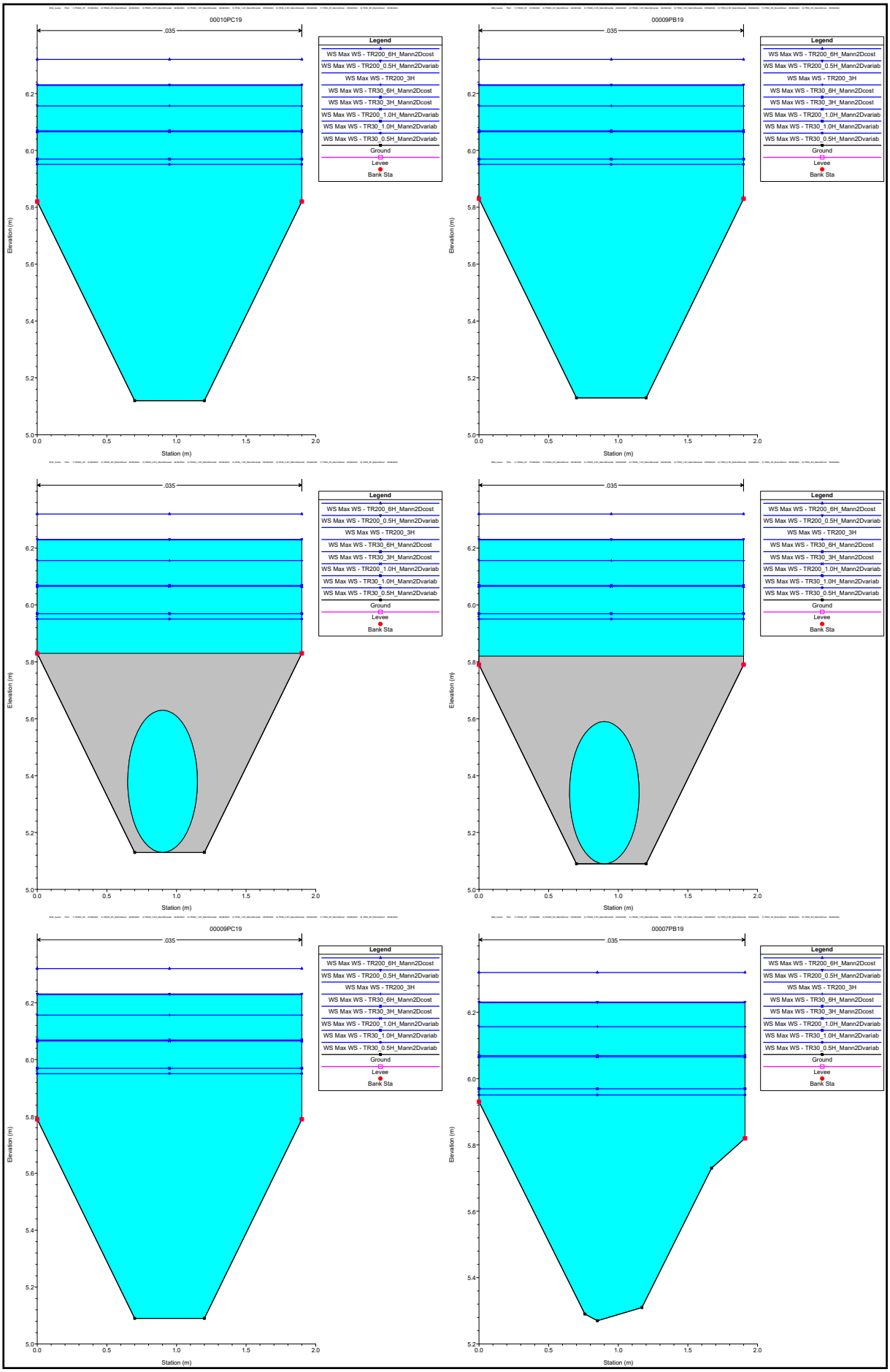
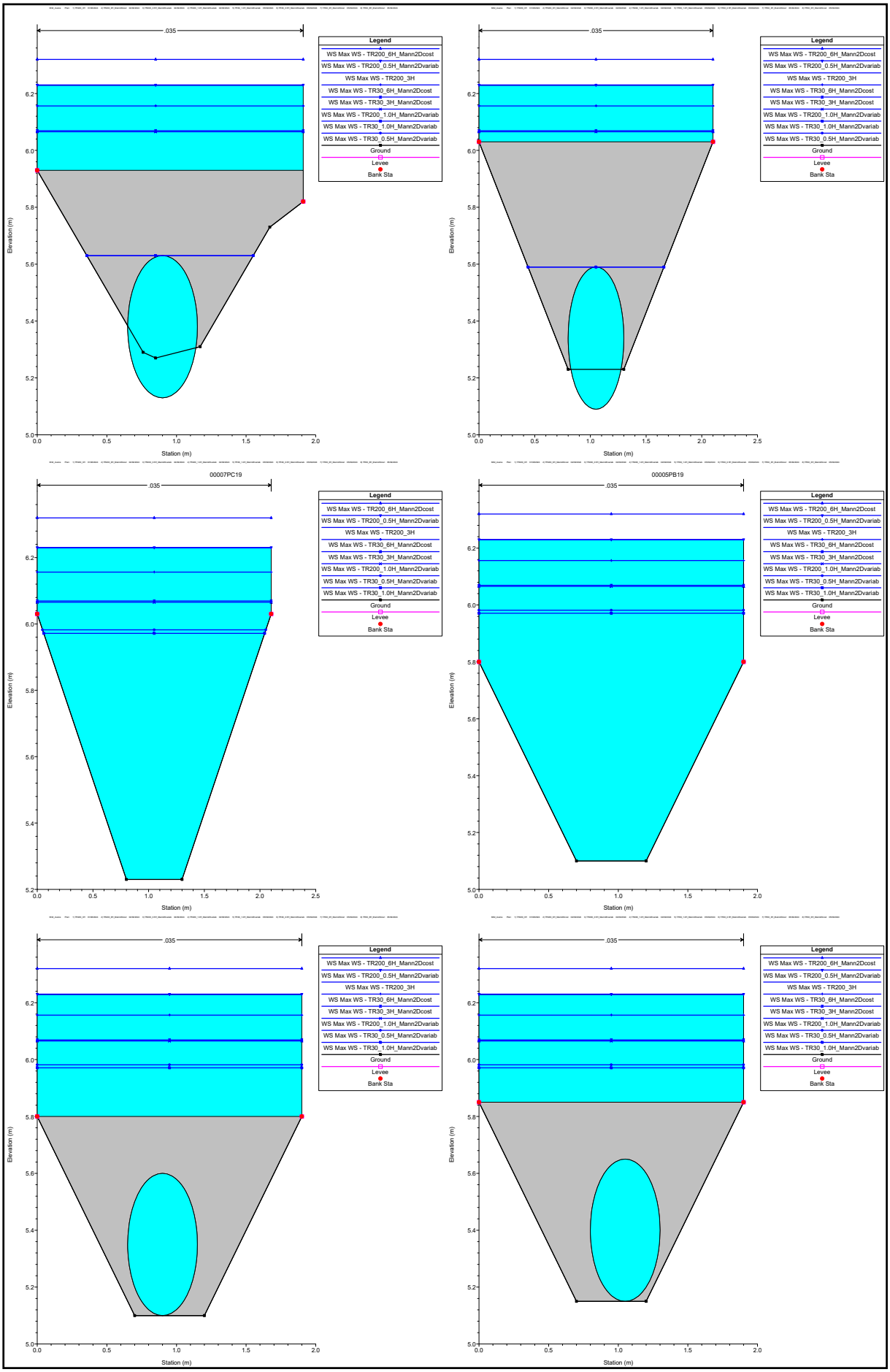







00010PC19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00009PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00009PC19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00007PB19
.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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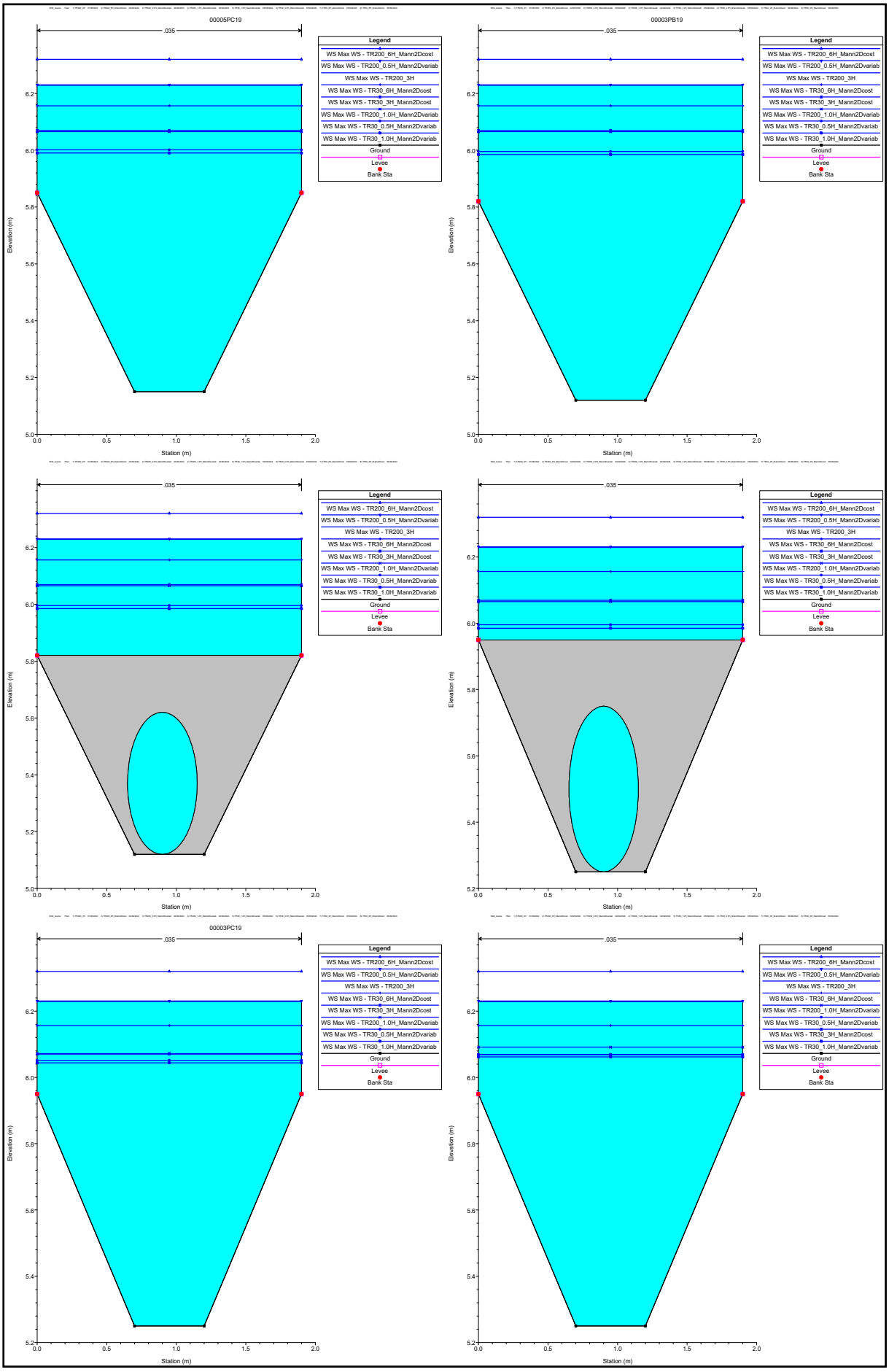
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00007PC19
00005PB19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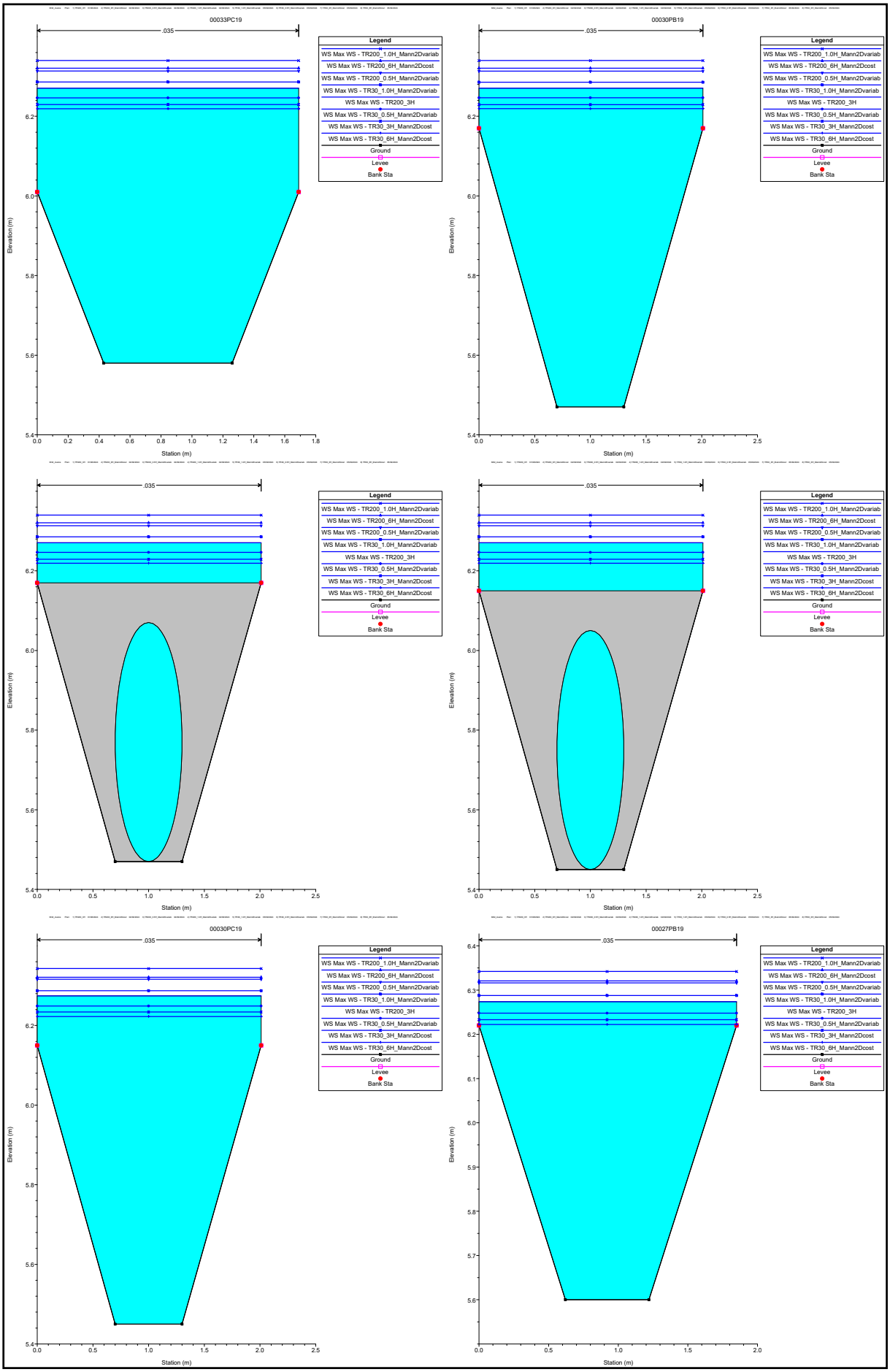
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00003PB19
00003PC19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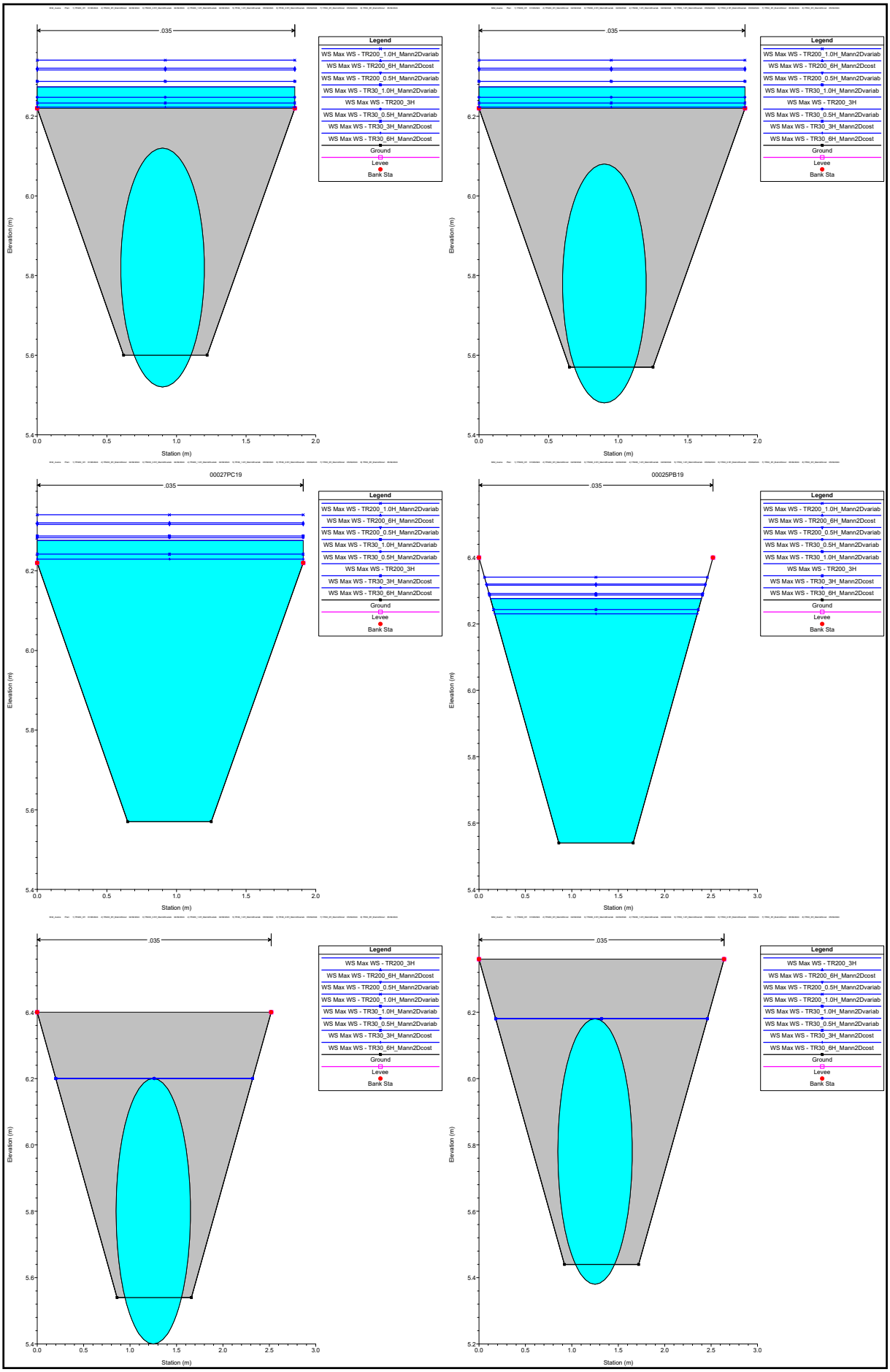
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00030PB19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00030PC19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00027PB19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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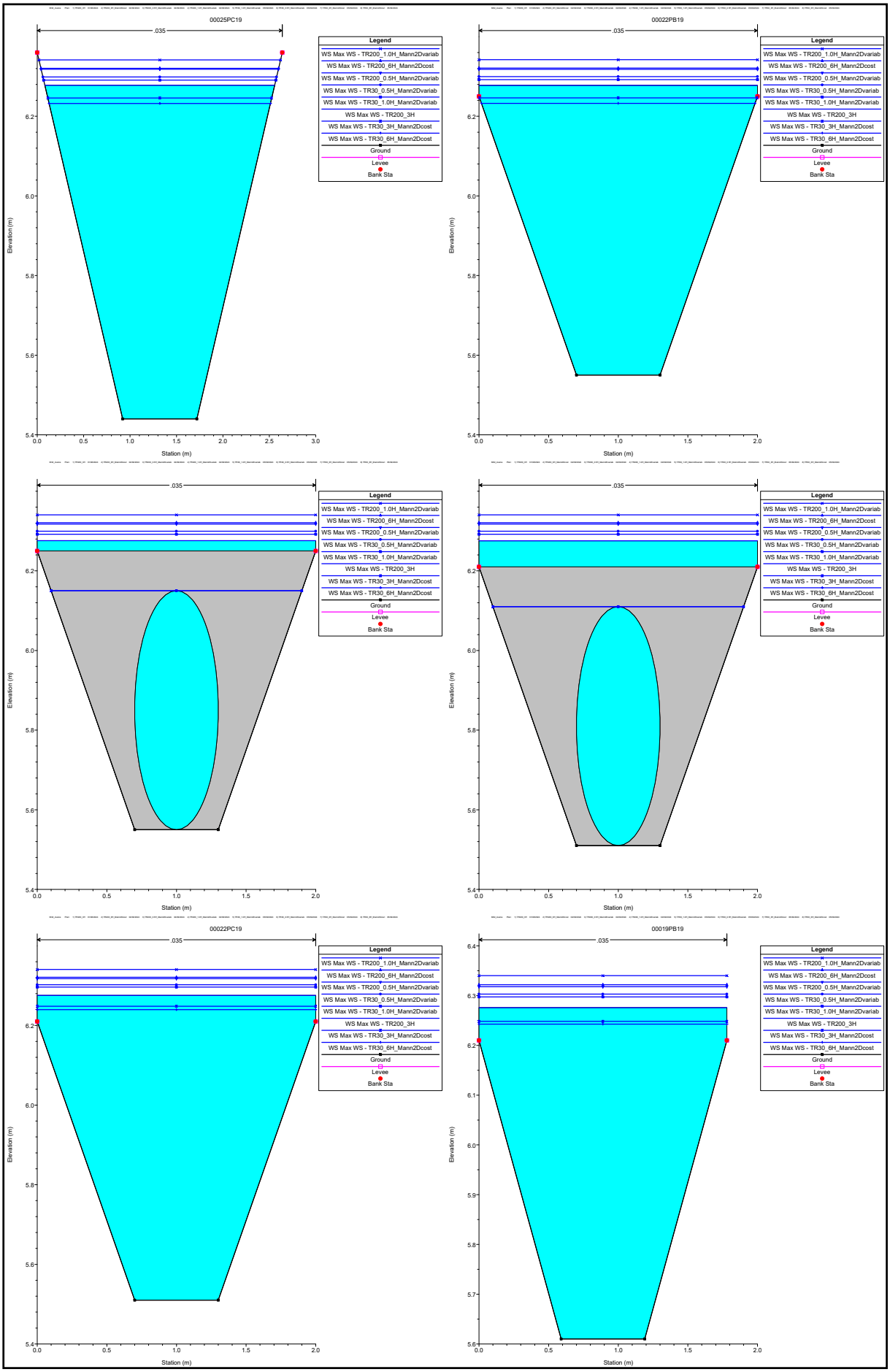
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00027PC19
00025PB19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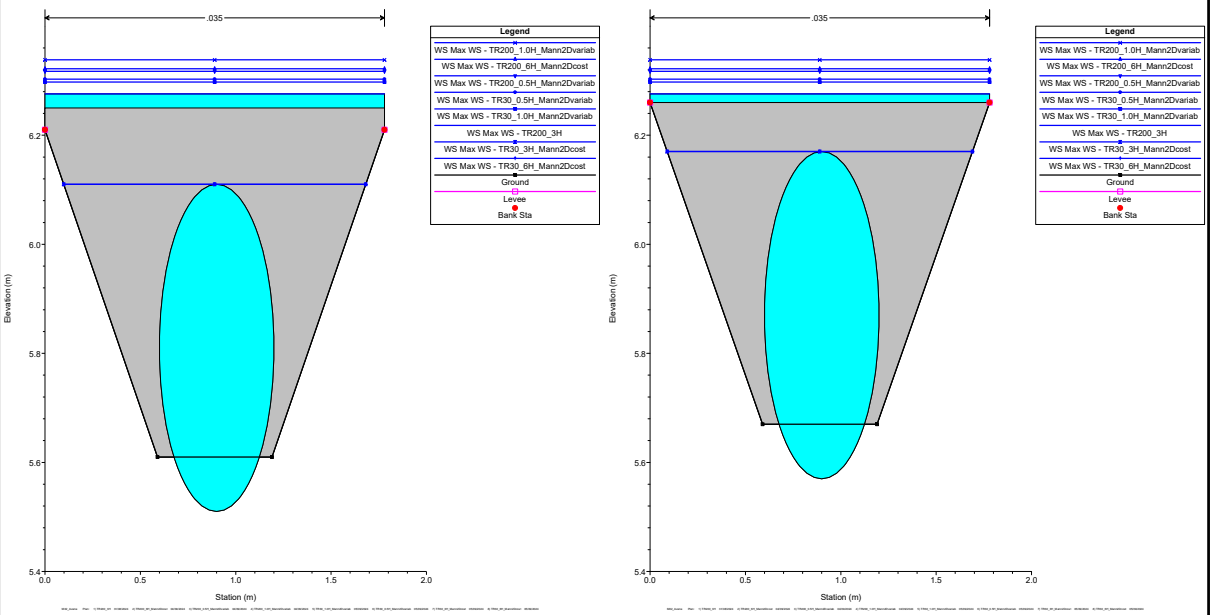
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00022PB19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00022PC19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00019PB19
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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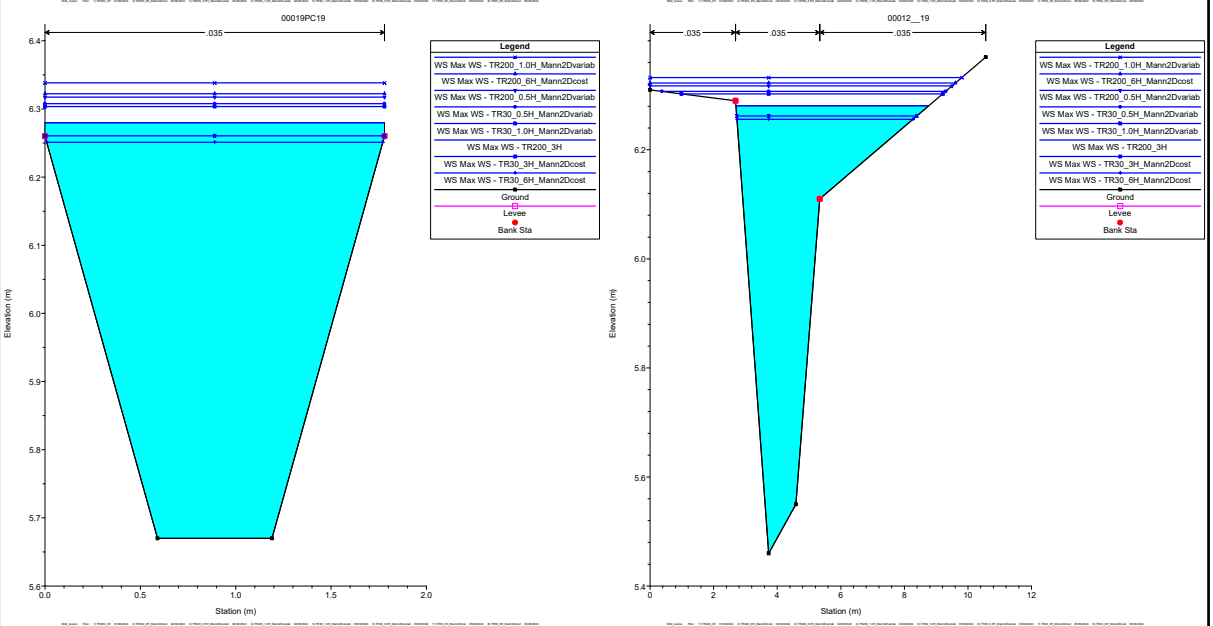
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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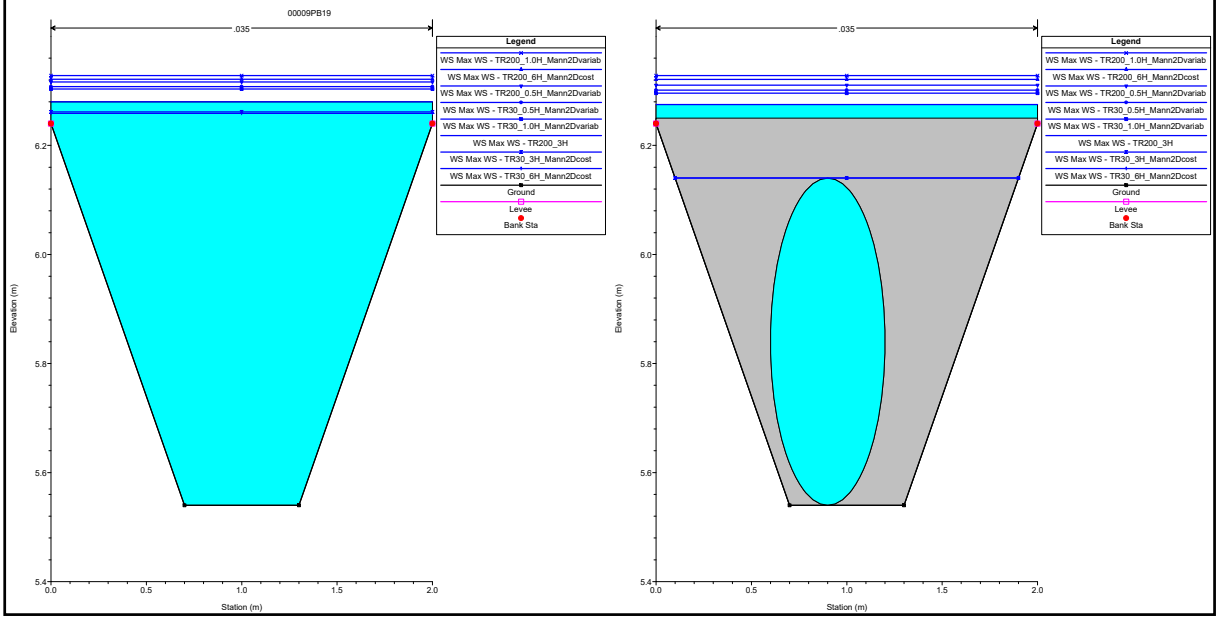
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

00012__19
.035
.035
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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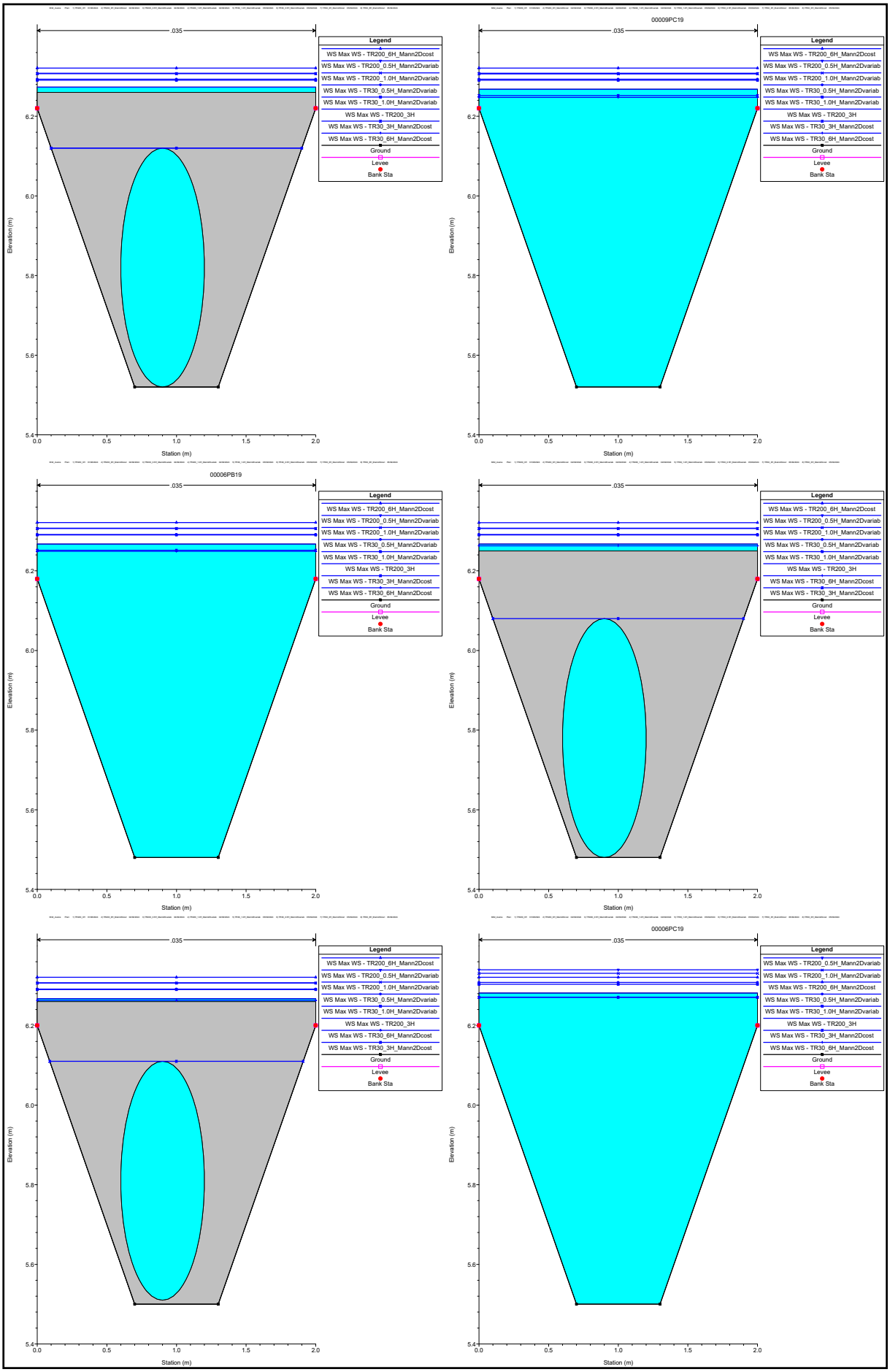
.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

.035
Legend
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)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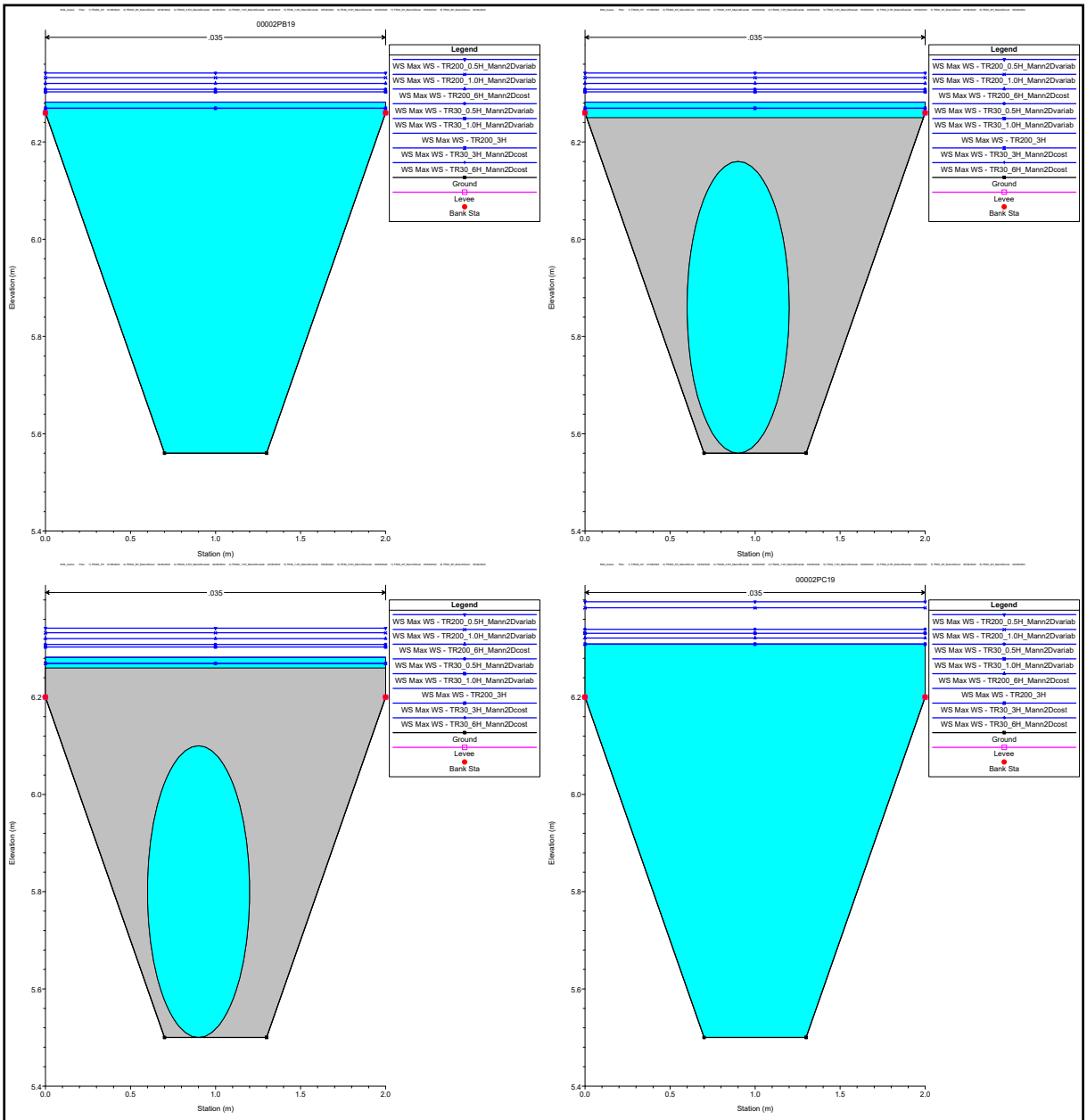
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
6.2
6.0
5.8
5.6
5.4
0.0
0.5
1.0
1.5
2.0
00009PC19
00006PB19
00006PC19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.035
Legend
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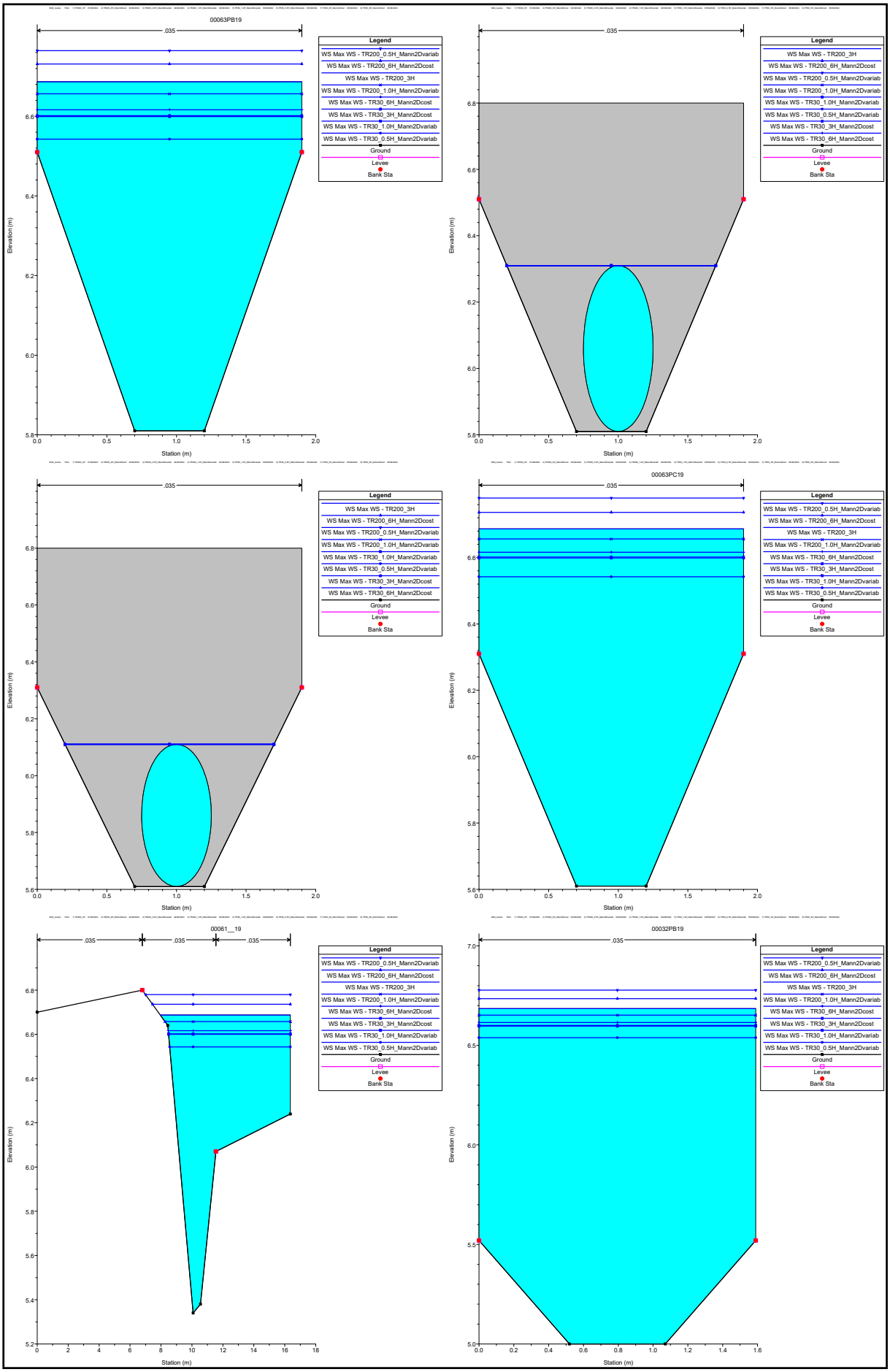
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR200_3H
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_6H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
6.2
6.0
5.8
5.6
5.4
0.0
0.5
1.0
1.5
2.0
00002PC19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Legend
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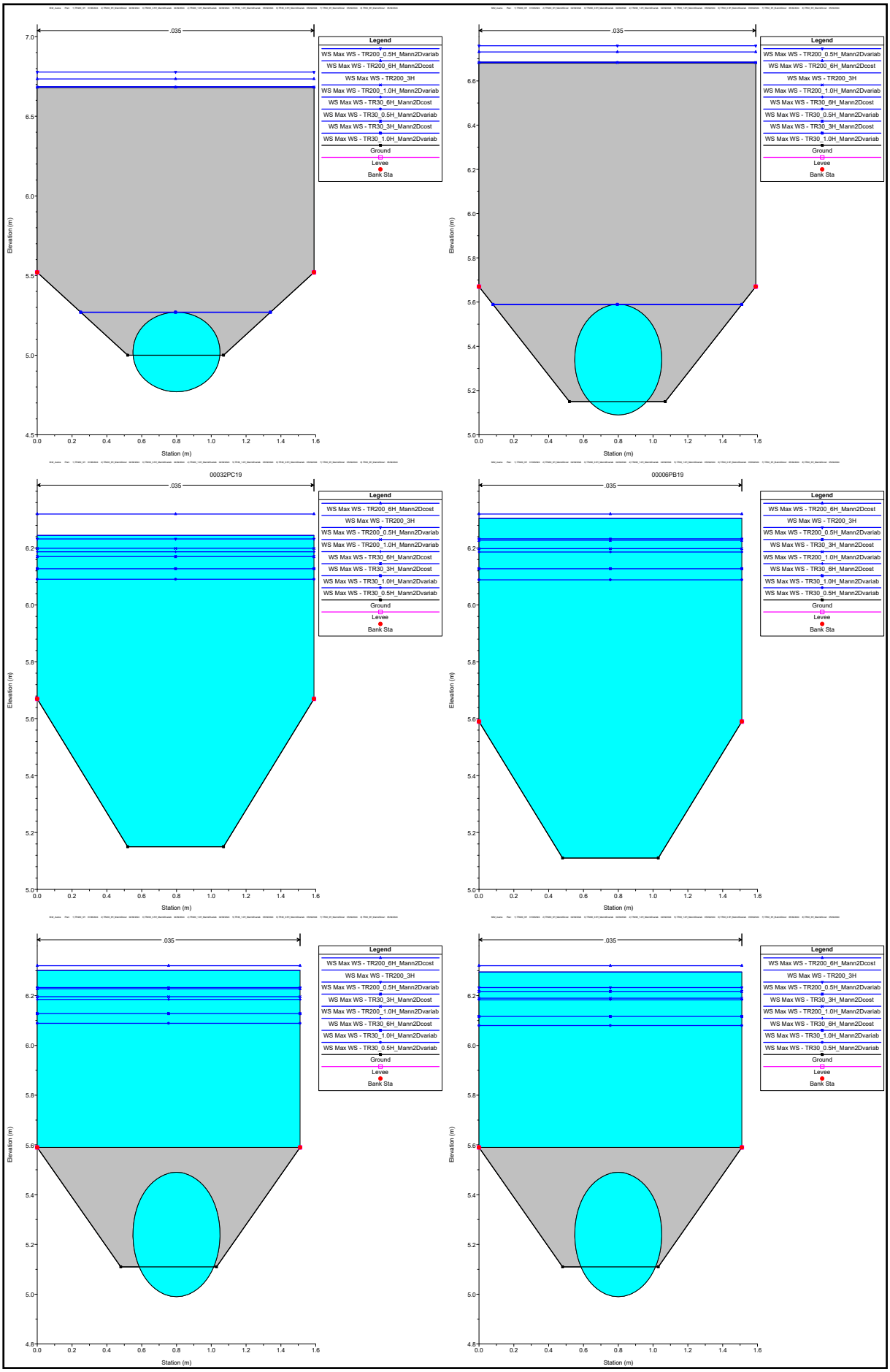
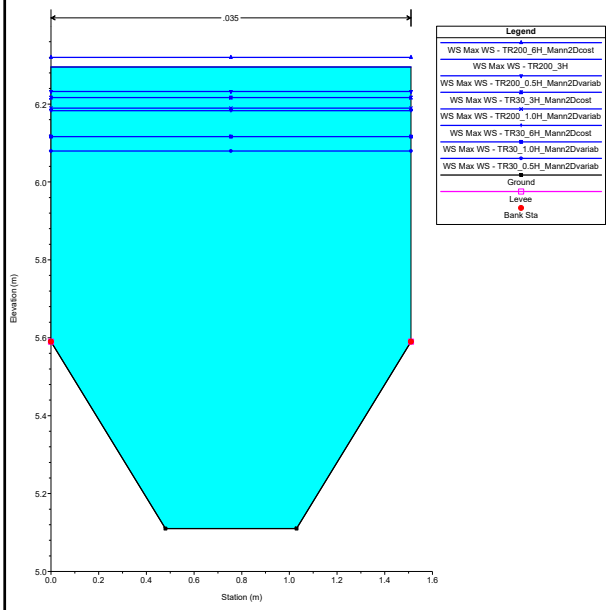
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00063PC19
00061__19
00032PB19


.035
Legend
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
00032PC19
00006PB19


.035
Legend
WS Max WS - TR200_6H_Mann2Dcost
WS Max WS - TR200_3H
WS Max WS - TR200_0.5H_Mann2Dvariab
WS Max WS - TR30_3H_Mann2Dcost
WS Max WS - TR200_1.0H_Mann2Dvariab
WS Max WS - TR30_6H_Mann2Dcost
WS Max WS - TR30_1.0H_Mann2Dvariab
WS Max WS - TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
6.2
6.0
5.8
5.6
5.4
5.2
5.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE

Filettole

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO ACQUEDOTTI								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00088__19	9.11	9.13	9.13	9.38	9.19	9.24	9.59	9.65
00083PB19	9.08	9.12	9.13	9.38	9.16	9.24	9.59	9.65
00083PC19	9.06	9.11	9.13	9.38	9.16	9.24	9.59	9.65
00079PB19	9.07	9.11	9.13	9.38	9.16	9.24	9.59	9.65
00079PC19	9.05	9.11	9.13	9.37	9.16	9.23	9.59	9.65
00076PB19	9.05	9.11	9.13	9.38	9.16	9.23	9.59	9.65
00076PC19	9.05	9.11	9.13	9.38	9.16	9.23	9.59	9.66
00070__19	9.05	9.11	9.13	9.37	9.16	9.23	9.59	9.65
00065__05	9.04	9.10	9.12	9.38	9.15	9.23	9.59	9.66
00057__05	9.03	9.08	9.10	9.38	9.12	9.21	9.59	9.66
00042PB19	8.99	9.04	9.06	9.39	9.07	9.14	9.60	9.67
00042PC19	8.99	9.03	9.05	9.39	9.06	9.14	9.60	9.67
00037__19	8.97	9.02	9.04	9.38	9.05	9.13	9.59	9.66
00010PB19	8.80	8.87	8.96	9.34	8.92	9.02	9.58	9.65
00010PC19	8.80	8.87	8.96	9.34	8.91	9.02	9.58	9.65
00009PB19	8.80	8.86	8.96	9.34	8.91	9.02	9.58	9.65
00009PC19	8.79	8.86	8.96	9.34	8.91	9.01	9.58	9.65
00007PB19	8.76	8.83	8.96	9.33	8.88	8.98	9.58	9.65
00007PC19	8.75	8.82	8.96	9.33	8.87	8.97	9.58	9.65
00006PB19	8.74	8.81	8.96	9.33	8.86	8.96	9.58	9.65
00006PC19	8.73	8.80	8.97	9.33	8.85	8.96	9.58	9.65
00005PB19	8.73	8.80	8.97	9.33	8.85	8.96	9.58	9.65
00005PC19	8.73	8.80	8.97	9.33	8.84	8.94	9.58	9.65
00004PB19	8.73	8.79	8.97	9.33	8.84	8.94	9.58	9.65
00004PC19	8.72	8.78	8.97	9.33	8.83	8.93	9.58	9.65
00003PB19	8.71	8.78	8.97	9.33	8.83	8.93	9.58	9.65
00003PC19	8.71	8.77	8.97	9.33	8.82	8.92	9.58	9.65
00002PB19	8.71	8.77	8.97	9.33	8.82	8.92	9.58	9.65
00002PC19	8.70	8.76	8.97	9.33	8.81	8.92	9.58	9.65
00001PB19	8.70	8.76	8.97	9.33	8.81	8.92	9.58	9.65
00001PC19	8.69	8.76	8.97	9.33	8.80	8.91	9.58	9.65

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO AUTOSTRADA								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00089PB19	11.45	11.50	11.48	11.39	11.57	11.63	11.69	11.70
00089PC19	11.43	11.47	11.48	11.38	11.53	11.62	11.68	11.69
00076PB19	11.41	11.45	11.45	11.35	11.50	11.59	11.65	11.66
00036PB19	10.61	10.66	10.62	10.55	10.70	10.74	10.75	10.72
00036PC19	10.59	10.64	10.61	10.49	10.68	10.72	10.73	10.71
00010PB19	10.53	10.58	10.54	10.39	10.62	10.66	10.67	10.66
00010PC19	10.36	10.41	10.38	10.23	10.45	10.55	10.56	10.55

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO BRUCETO								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00031__19	11.99	11.85	11.06	10.89	12.45	12.23	11.23	11.01
00029PB19	11.77	11.66	11.06	10.91	12.12	11.95	11.19	11.03
00029PC19	11.05	11.02	10.83	10.89	11.19	11.12	11.07	11.00
00027PB19	11.20	11.15	10.86	10.89	11.34	11.27	11.07	11.00
00027PC19	10.80	10.79	10.68	10.89	10.85	10.99	11.07	11.00
00025PB19	10.86	10.83	10.68	10.89	10.93	10.99	11.07	11.00
00025PC19	10.48	10.47	10.53	10.89	10.55	10.99	11.07	11.00
00023PB19	10.46	10.46	10.53	10.89	10.56	10.99	11.07	11.00
00023PC19	10.29	10.35	10.53	10.89	10.47	10.99	11.07	11.00
00022__19	10.29	10.35	10.53	10.89	10.46	10.99	11.07	11.00
00018__19	10.13	10.18	10.43	10.89	10.31	10.99	11.07	11.00
00007PB19	9.65	9.70	10.39	10.89	9.85	10.96	11.07	11.00
00007PC19	8.97	9.10	10.30	11.86	9.37	10.01	11.92	13.21

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO BUCINE								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00133__19	17.76	17.68	17.32	17.21	17.92	17.83	17.41	17.29
00129__05	16.58	16.50	16.14	16.04	16.73	16.65	16.24	16.11
00111__19	12.41	12.34	11.79	11.76	12.52	12.46	11.95	11.75
00101PB19	10.96	10.94	10.49	10.34	10.97	10.96	10.76	10.42
00101PC19	10.65	10.64	10.39	10.30	10.67	10.66	10.51	10.35
00101PD19	10.65	10.64	10.40	10.30	10.67	10.66	10.51	10.36
00090PB19	10.43	10.42	10.28	10.20	10.44	10.44	10.35	10.25
00090PC19	9.92	9.90	9.75	9.68	9.95	9.93	9.81	9.73
00080PB19	9.47	9.46	9.39	9.33	9.49	9.48	9.58	9.65
00080PC19	9.35	9.34	9.30	9.33	9.36	9.35	9.58	9.65
00072__05	9.03	9.03	9.00	9.33	9.05	9.06	9.58	9.65
00061PB19	8.65	8.66	8.88	9.33	8.71	8.75	9.58	9.65
00061PC19	8.61	8.61	8.88	9.38	8.65	8.71	9.58	9.77
00055__19	8.75	8.72	8.88	9.32	8.78	8.77	9.58	9.65
00051PB19	8.78	8.75	8.88	9.32	8.83	8.81	9.58	9.65
00051PC19	8.78	8.75	8.88	9.32	8.83	8.82	9.59	9.66
00049__19	8.81	8.76	8.88	9.32	8.86	8.85	9.59	9.65
00048PB19	8.81	8.76	8.88	9.33	8.86	8.86	9.59	9.66
00048PC19	8.82	8.77	8.88	9.32	8.87	8.87	9.59	9.66
00047__19	8.82	8.77	8.88	9.32	8.87	8.87	9.60	9.67
00045PB19	8.83	8.77	8.88	9.32	8.88	8.88	9.59	9.67
00045PC19	8.83	8.77	8.89	9.32	8.88	8.89	9.59	9.66
00041PB19	8.83	8.76	8.89	9.32	8.88	8.90	9.58	9.65
00041PC19	8.83	8.75	8.91	9.33	8.88	8.90	9.58	9.65
00036PB19	8.82	8.71	8.92	9.32	8.85	8.89	9.59	9.66
00036PC05	8.77	8.59	8.96	9.34	8.73	8.87	9.65	9.67
00032__19	8.76	8.57	8.97	9.34	8.70	8.86	9.71	9.66
00031PB05	8.74	8.54	8.97	9.34	8.66	8.85	9.70	9.66
00031PC05	8.68	8.43	8.98	9.35	8.48	8.79	9.77	9.68
00030PB05	8.68	8.43	8.98	9.34	8.47	8.79	9.77	9.68
00030PC05	8.67	8.42	8.98	9.34	8.47	8.78	9.75	9.67
00029PB05	8.67	8.42	8.98	9.34	8.47	8.79	9.75	9.67
00029PC05	8.56	8.32	8.98	9.35	8.37	8.70	9.76	9.67
00021__19	8.44	8.21	8.98	9.34	8.26	8.57	9.75	9.67
00019PB05	8.40	8.15	8.98	9.34	8.21	8.52	9.75	9.67
00019PC05	7.90	7.73	8.98	9.34	7.77	8.00	9.75	9.67
00016PB05	7.85	7.67	8.99	9.34	7.72	7.96	9.77	9.67
00016PC05	7.56	7.40	10.67	12.28	7.45	7.70	12.34	13.66
00012__05	7.55	7.37	10.67	12.28	7.43	7.69	12.34	13.66
00007__05	7.50	7.32	10.67	12.28	7.38	7.64	12.34	13.66

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO CAMPO SPORTIVO								
Sezione	**LIVELLI MASSIMI [m slm]**							
	tr30 0.5h	**tr30 1.0h**	**tr30 3.0h**	**tr30 6.0h**	**tr200 0.5h**	**tr200 1.0h**	**tr200 3.0h**	**tr200 6.0h**
00026PB19	8.97	8.86	8.88	9.32	9.15	9.06	9.58	9.65
00026PC19	8.53	8.57	8.88	9.32	8.60	8.71	9.58	9.65

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO FILETTOLE								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00062__05	9.39	9.46	9.46	9.36	9.57	9.64	9.58	9.64
00060PB19	9.39	9.46	9.45	9.36	9.56	9.64	9.58	9.64
00060PC05	9.34	9.34	9.32	9.34	9.37	9.37	9.58	9.65
00042__05	9.31	9.31	9.29	9.34	9.33	9.33	9.58	9.65
00039PB05	9.32	9.32	9.27	9.34	9.37	9.38	9.58	9.65
00039PC05	8.70	8.76	8.98	9.33	8.81	8.92	9.58	9.65
00001PB05	8.70	8.76	8.98	9.33	8.81	8.91	9.58	9.65
00001PC05	8.69	8.76	8.97	9.33	8.80	8.91	9.58	9.65

MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO 3								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00068PC19	9.74	9.74	9.43	9.38	9.86	9.85	9.59	9.66
00068PD19	9.66	9.66	9.47	9.38	9.75	9.74	9.59	9.66
00001__05	9.00	9.05	9.06	9.39	9.08	9.15	9.60	9.67

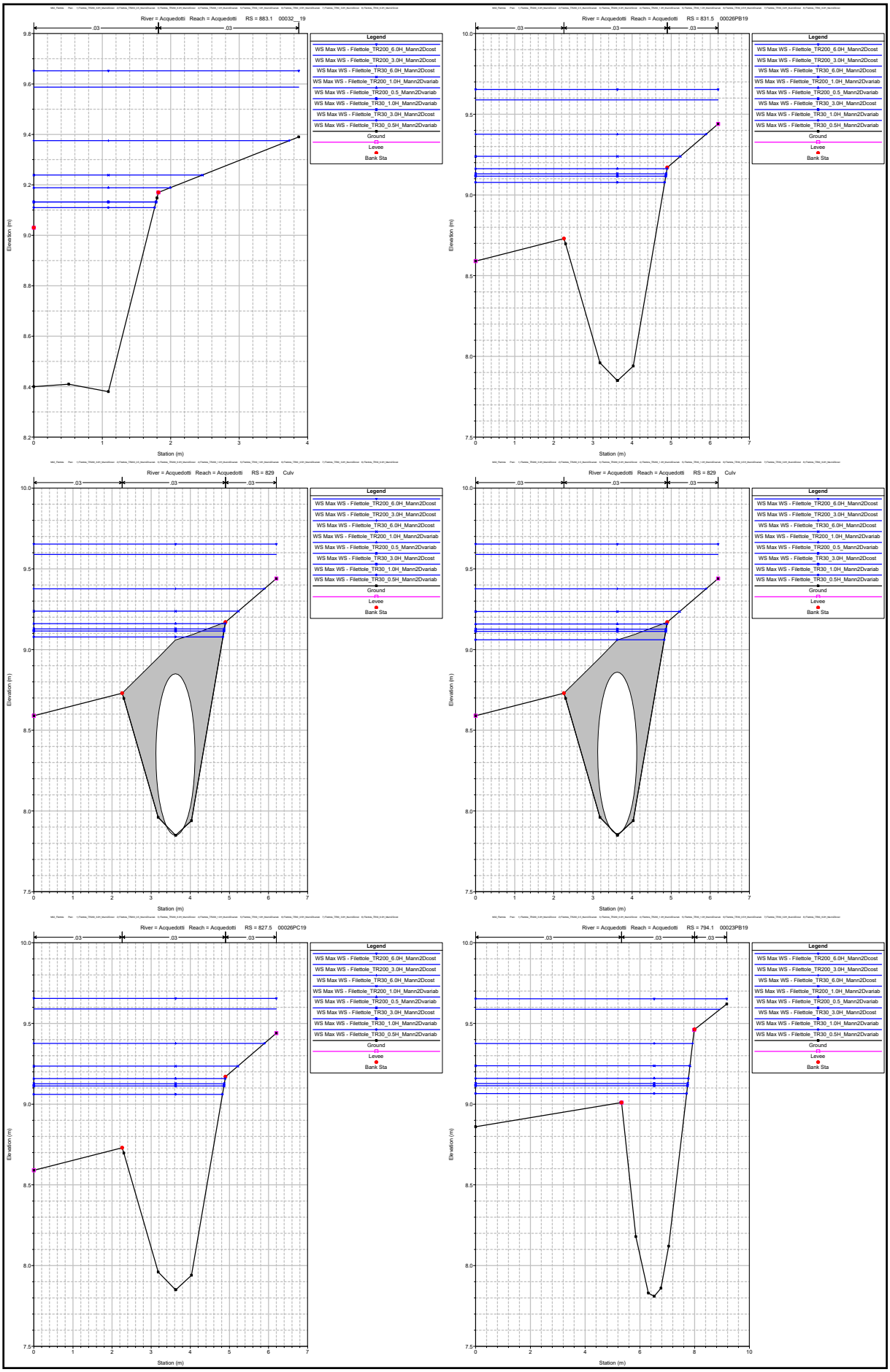
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO GALILEI TRASVERSALE 1								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00012__19	8.71	8.74	8.96	9.34	8.79	8.90	9.58	9.65
00006PB19	8.71	8.74	8.96	9.34	8.79	8.90	9.58	9.65
00006PC19	8.85	8.90	8.96	9.34	8.95	9.04	9.58	9.65
00001__19	8.84	8.90	8.96	9.34	8.94	9.03	9.58	9.65

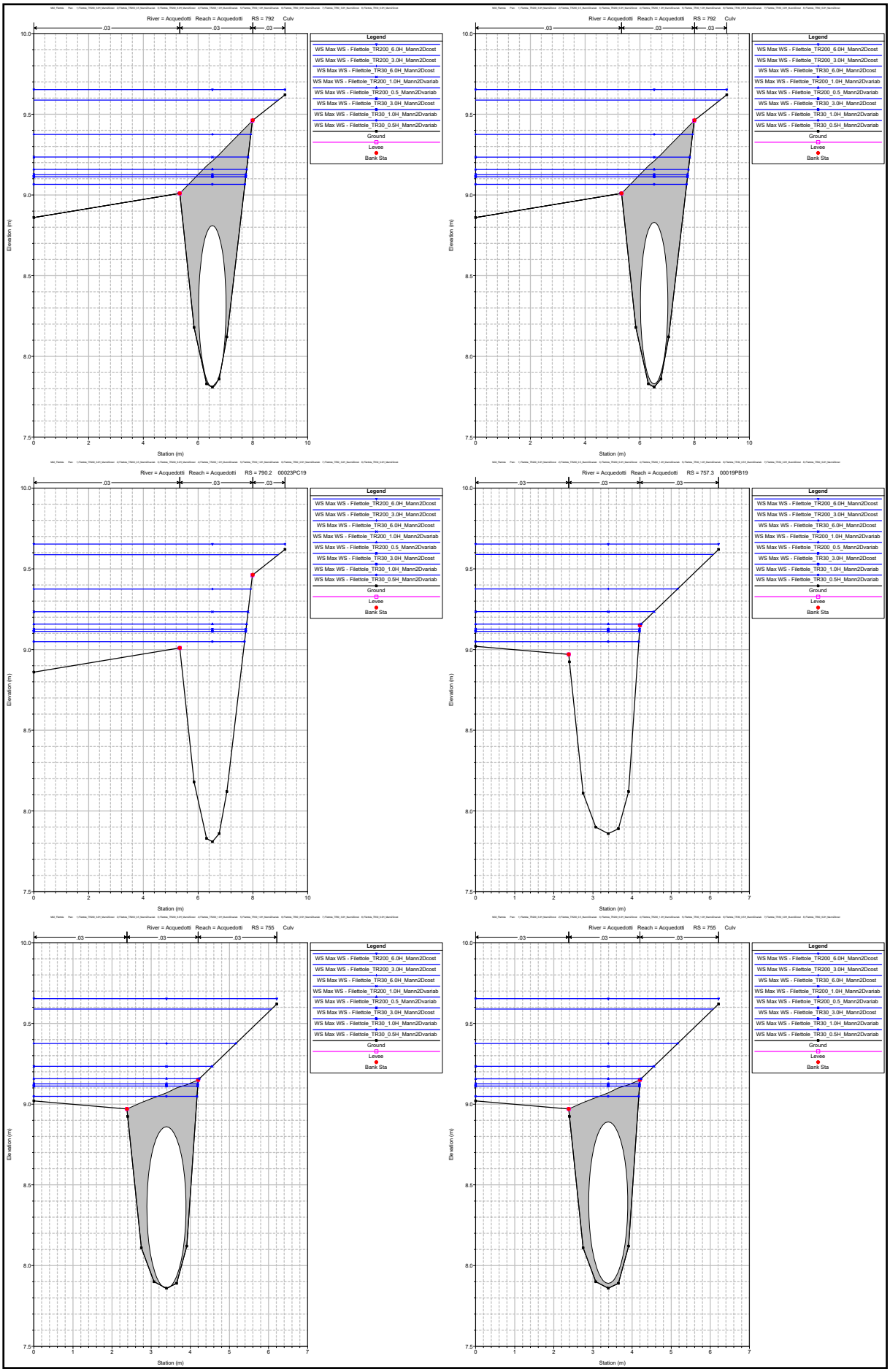
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO GALILEI TRASVERSALE 2								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00009__19	9.01	9.07	9.07	9.38	9.10	9.17	9.59	9.66
00008PB19	9.01	9.07	9.07	9.38	9.10	9.17	9.59	9.66
00008PC19	8.99	9.03	9.05	9.38	9.06	9.14	9.59	9.66
00007__19	8.99	9.03	9.05	9.38	9.06	9.14	9.59	9.66
00006PB19	8.99	9.03	9.05	9.38	9.06	9.14	9.59	9.66
00006PC19	8.99	9.03	9.05	9.38	9.07	9.14	9.59	9.66
00001__19	8.99	9.03	9.05	9.39	9.06	9.14	9.60	9.66

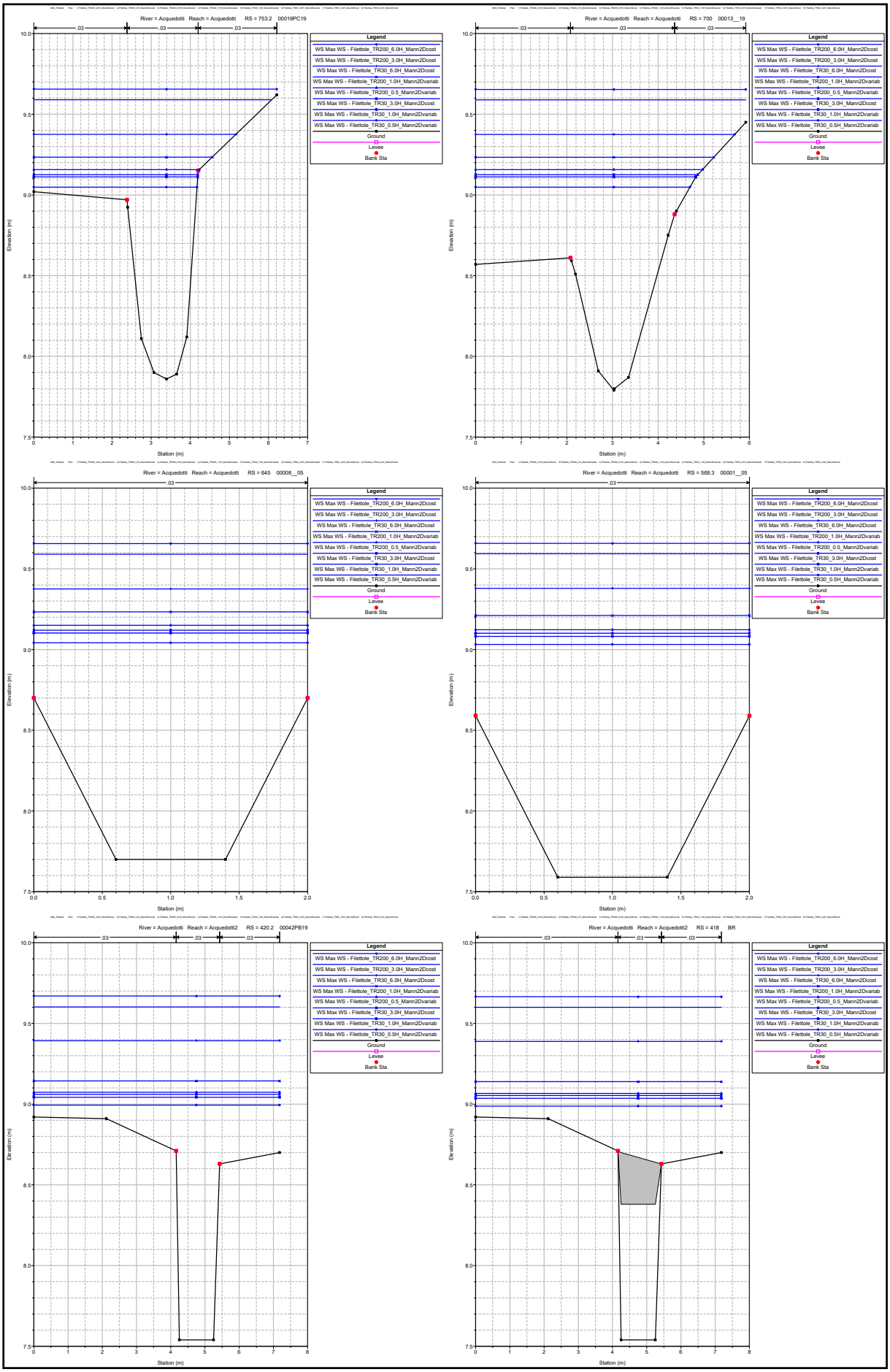
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO MONTICELLO								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00081__19	10.62	10.52	10.53	10.88	10.91	10.99	11.07	11.00
00064PB19	10.24	10.32	10.53	10.89	10.42	10.99	11.08	11.00
00064PC19	10.24	10.32	10.53	10.89	10.42	10.99	11.08	11.01
00055__19	10.24	10.33	10.54	10.90	10.43	11.00	11.09	11.02
00049__19	10.24	10.33	10.54	10.90	10.43	11.00	11.09	11.02
00043PB19	10.24	10.32	10.53	10.89	10.42	10.99	11.08	11.00
00043PC19	10.25	10.32	10.53	10.89	10.42	10.99	11.08	11.00
00042PB19	10.25	10.32	10.53	10.89	10.42	11.00	11.08	11.00
00042PC19	10.25	10.32	10.53	10.89	10.42	10.99	11.08	11.00
00030__19	10.26	10.33	10.53	10.90	10.43	11.00	11.09	11.01
00025__19	10.28	10.34	10.55	10.92	10.46	11.02	11.10	11.02

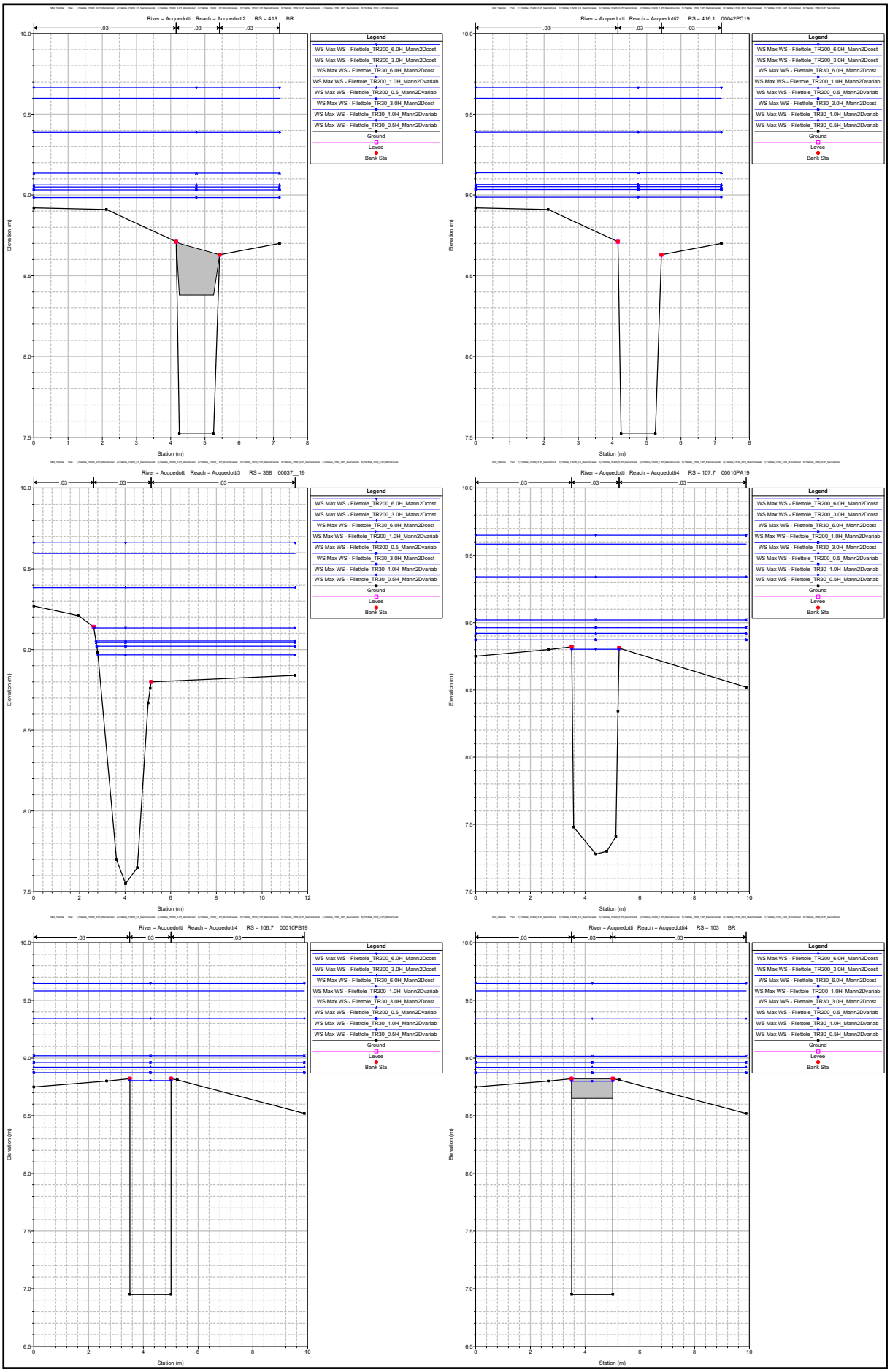
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO RADICATA								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00086__19	11.30	11.12	10.46	10.40	11.57	11.37	11.05	10.58
00071__19	10.06	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00068__19	10.06	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00066PB19	10.06	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00066PC19	10.06	10.24	10.39	10.40	10.32	10.53	11.05	10.58
00063__19	10.06	10.24	10.40	10.41	10.33	10.53	11.06	10.58
00056__19	10.06	10.23	10.39	10.40	10.32	10.52	11.06	10.58
00047__19	10.07	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00040__05	10.09	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00039__05	10.09	10.23	10.39	10.40	10.32	10.52	11.05	10.58
00033PB19	10.09	10.20	10.36	10.37	10.29	10.50	11.05	10.57
00033PC19	10.07	9.98	10.16	10.18	10.06	10.42	11.05	10.55
00032PB19	10.07	9.98	10.16	10.18	10.07	10.42	11.05	10.54
00032PC19	10.06	9.97	10.14	10.16	10.05	10.40	11.05	10.53
00031PB19	10.06	9.95	10.13	10.14	10.03	10.39	11.05	10.52
00031PC19	10.05	9.93	10.09	10.11	10.00	10.37	11.05	10.51
00030PB19	10.04	9.89	10.05	10.07	9.97	10.35	11.05	10.50
00030PC19	10.00	9.77	9.90	9.93	9.83	10.24	11.05	10.45
00029PB19	9.99	9.74	9.87	9.89	9.79	10.22	11.05	10.44
00029PC19	9.97	9.66	9.79	9.82	9.71	10.16	11.05	10.40
00028PB19	9.96	9.63	9.76	9.80	9.67	10.16	11.05	10.41
00028PC19	9.96	9.62	9.75	9.79	9.66	10.16	11.05	10.39
00027__19	9.95	9.56	9.69	9.74	9.60	10.12	11.05	10.36
00026__19	9.94	9.52	9.65	9.70	9.56	10.10	11.05	10.34
00008PB19	9.83	8.99	9.23	9.52	9.09	9.88	11.00	10.15
00008PC19	9.08	8.54	9.01	9.39	8.61	9.21	10.48	9.96
00002PB19	9.07	8.53	9.02	9.39	8.60	9.21	10.50	9.98
00002PC19	8.68	8.43	8.98	9.34	8.48	8.80	9.77	9.67

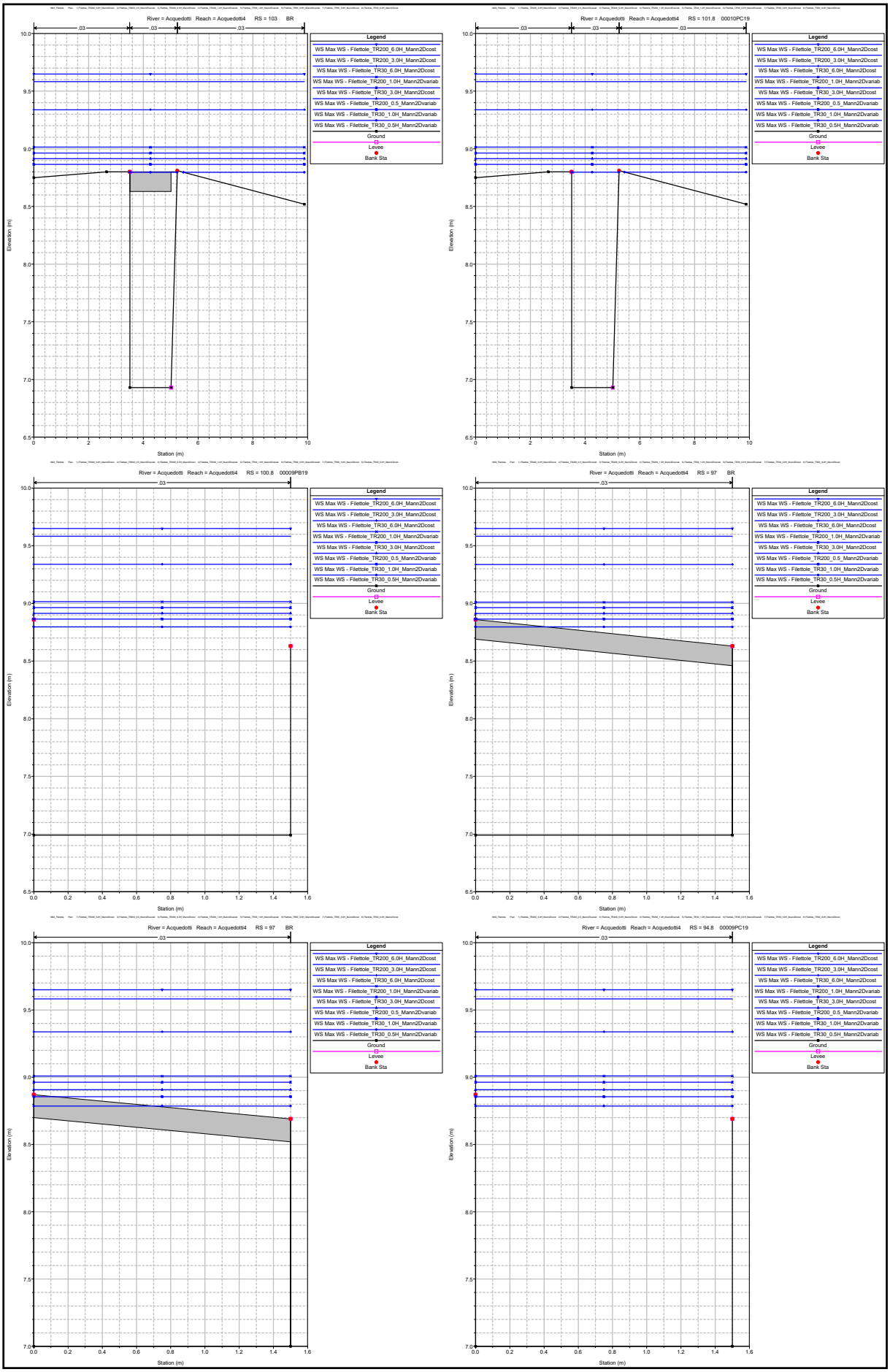
MODELLO 02 - RETICOLO SECONDARIO AVANE FILETTOLE FOSSO LUNGOMONTE								
Sezione	LIVELLI MASSIMI [m slm]							
	tr30 0.5h	tr30 1.0h	tr30 3.0h	tr30 6.0h	tr200 0.5h	tr200 1.0h	tr200 3.0h	tr200 6.0h
00035PB19	8.69	8.75	8.97	9.33	8.80	8.91	9.58	9.65
00035PB19	8.69	8.75	8.97	9.33	8.80	8.91	9.58	9.65
00035PC19	8.68	8.72	8.97	9.32	8.76	8.88	9.58	9.65
00030PB19	8.68	8.71	8.97	9.32	8.75	8.87	9.58	9.65
00030PC19	8.68	8.70	8.97	9.32	8.75	8.87	9.58	9.65
00027PB19	8.68	8.69	8.97	9.32	8.74	8.86	9.58	9.65
00027PC19	8.68	8.68	8.97	9.32	8.73	8.85	9.58	9.65
00025PB19	8.68	8.66	8.98	9.32	8.71	8.83	9.58	9.65
00025PC19	8.68	8.65	8.98	9.32	8.70	8.83	9.58	9.65
00023PB19	8.68	8.64	8.98	9.32	8.69	8.82	9.58	9.65
00023PC19	8.68	8.63	8.98	9.33	8.69	8.81	9.58	9.65
00020PB19	8.68	8.61	8.98	9.32	8.66	8.79	9.58	9.65
00020PC19	8.68	8.60	8.98	9.33	8.65	8.79	9.58	9.65
00018PB19	8.68	8.59	8.98	9.32	8.65	8.79	9.58	9.65
00018PC19	8.67	8.59	8.98	9.33	8.64	8.78	9.58	9.65
00016PB19	8.67	8.58	8.98	9.33	8.63	8.78	9.58	9.65
00016PC19	8.67	8.57	8.98	9.33	8.63	8.78	9.58	9.65
00011PB19	8.67	8.54	8.98	9.33	8.59	8.78	9.57	9.65
00011PC19	8.67	8.53	8.98	9.33	8.59	8.78	9.59	9.65
00001PB19	8.67	8.42	8.98	9.34	8.47	8.79	9.68	9.66
00001PC19	8.66	8.42	8.98	9.34	8.47	8.78	9.75	9.67

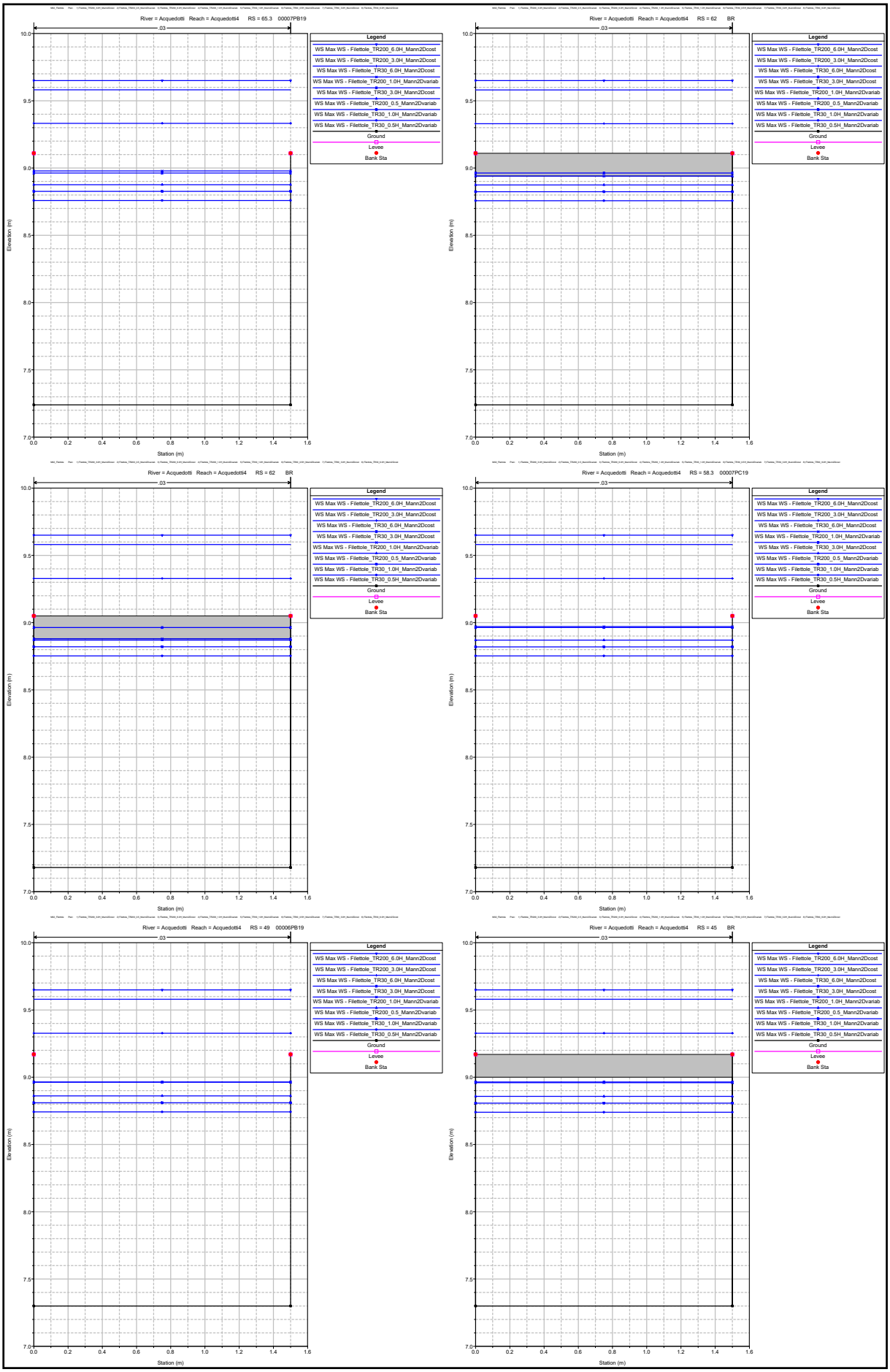

River = Acquedotti Reach = Acquedotti RS = 883.1 00032__19
River = Acquedotti Reach = Acquedotti RS = 831.5 00026PB19
River = Acquedotti Reach = Acquedotti RS = 829 Culv
River = Acquedotti Reach = Acquedotti RS = 829 Culv
River = Acquedotti Reach = Acquedotti RS = 827.5 00026PC19
River = Acquedotti Reach = Acquedotti RS = 794.1 00023PB19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

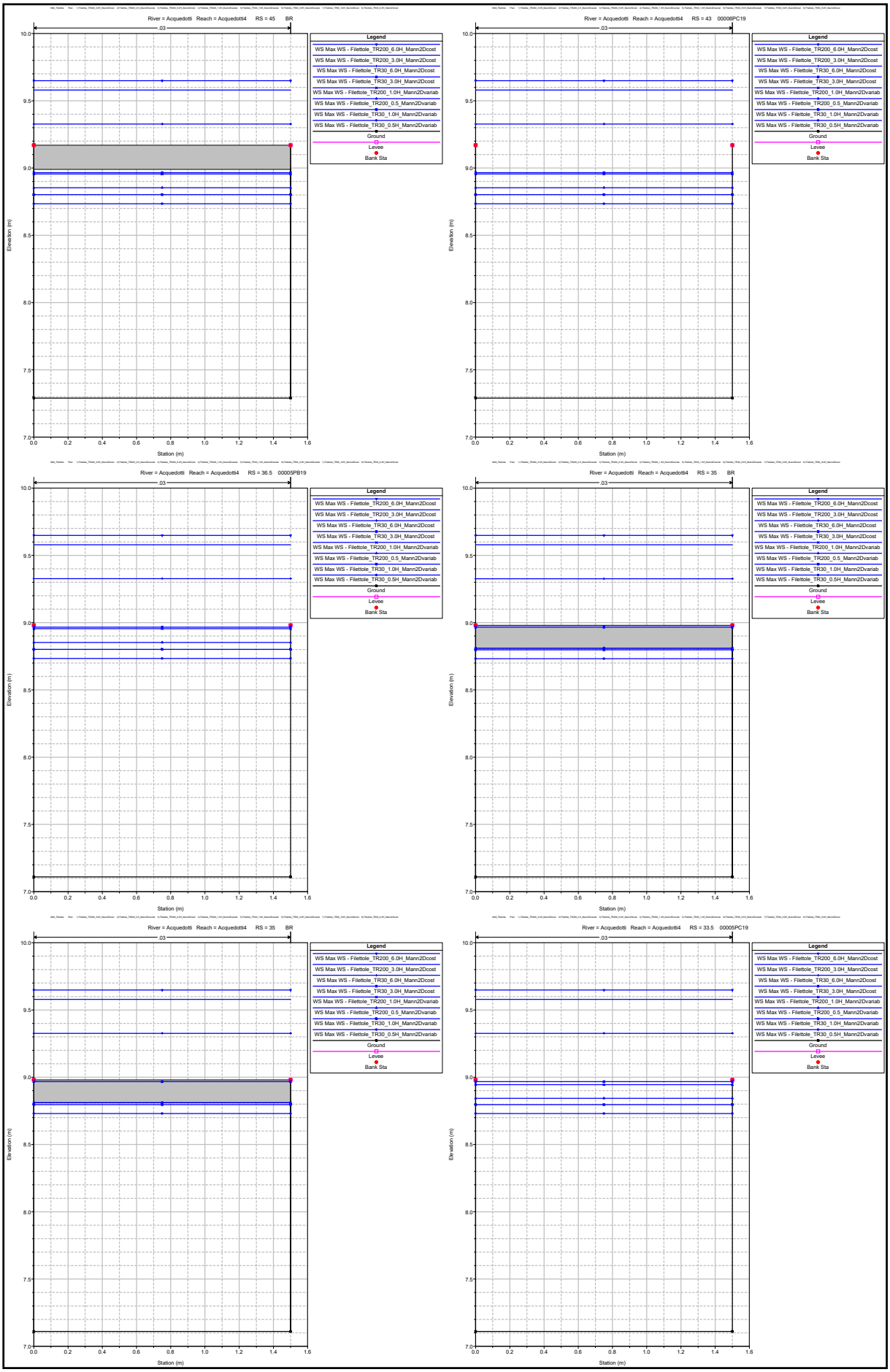

River = Acquedotti Reach = Acquedotti RS = 792 Culv
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Acquedotti Reach = Acquedotti RS = 790.2 00023PC19
River = Acquedotti Reach = Acquedotti RS = 757.3 00019PB19
River = Acquedotti Reach = Acquedotti RS = 755 Culv

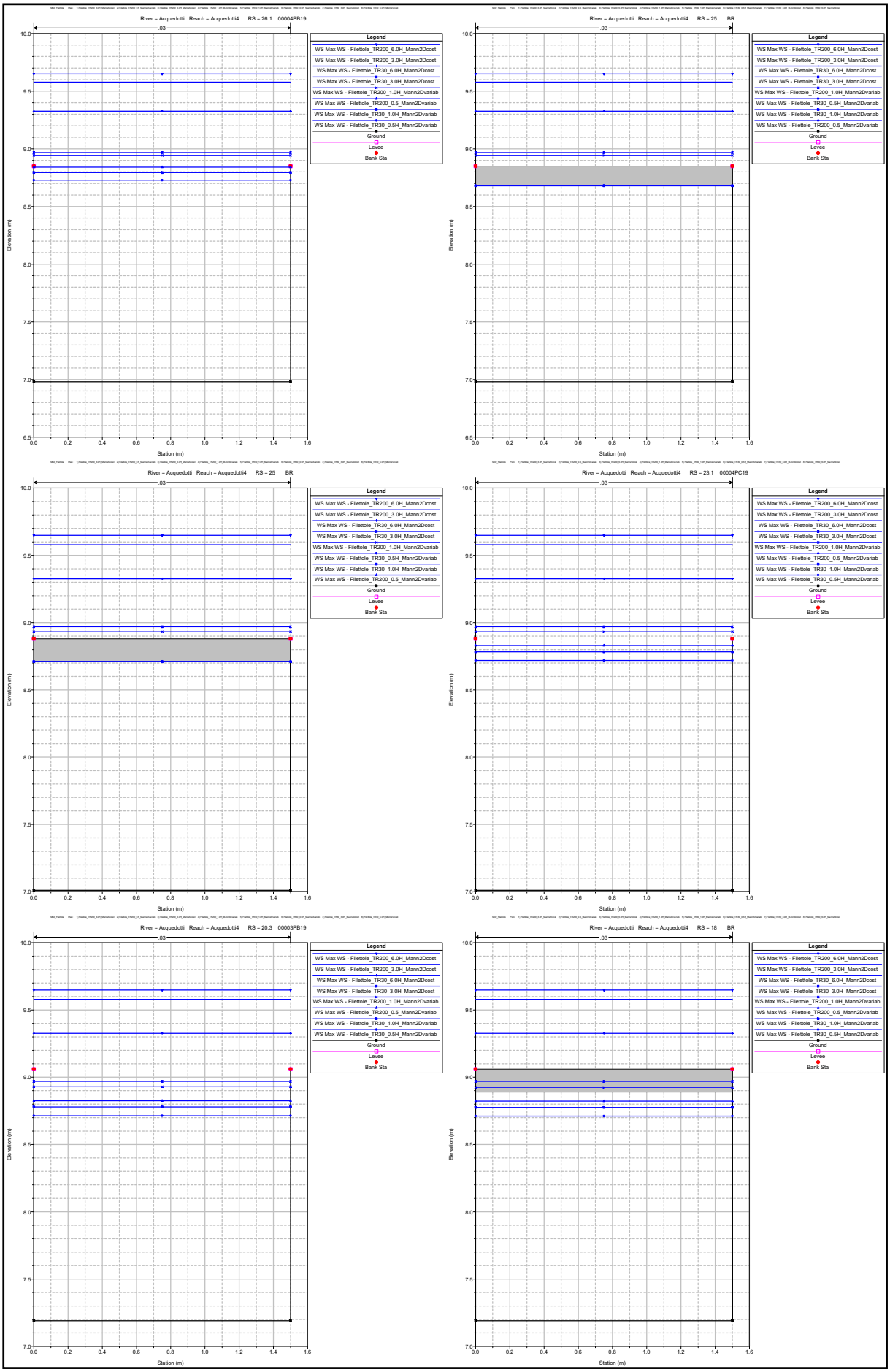

River = Acquedotti Reach = Acquedotti RS = 753.2 00019PC19
River = Acquedotti Reach = Acquedotti RS = 700 00013__19
River = Acquedotti Reach = Acquedotti RS = 645 00008__05
River = Acquedotti Reach = Acquedotti RS = 568.3 00001__05
River = Acquedotti Reach = Acquedotti2 RS = 420.2 00042PB19
River = Acquedotti Reach = Acquedotti2 RS = 418 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

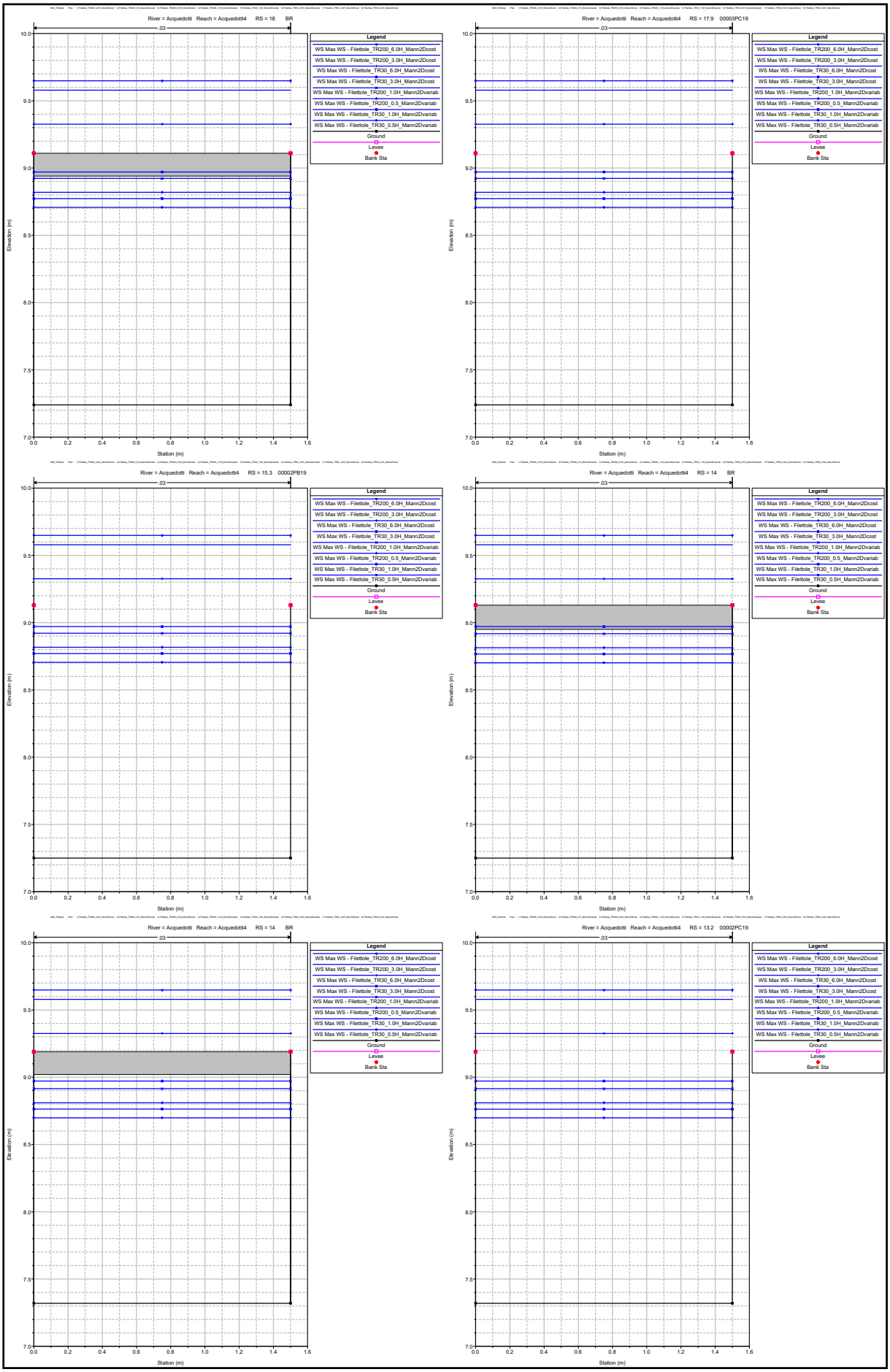

River = Acquedotti Reach = Acquedotti2 RS = 418 BR
River = Acquedotti Reach = Acquedotti2 RS = 416.1 00042PC19
River = Acquedotti Reach = Acquedotti3 RS = 368 00037__19
River = Acquedotti Reach = Acquedotti4 RS = 107.7 00010PA19
River = Acquedotti Reach = Acquedotti4 RS = 106.7 00010PB19
River = Acquedotti Reach = Acquedotti4 RS = 103 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

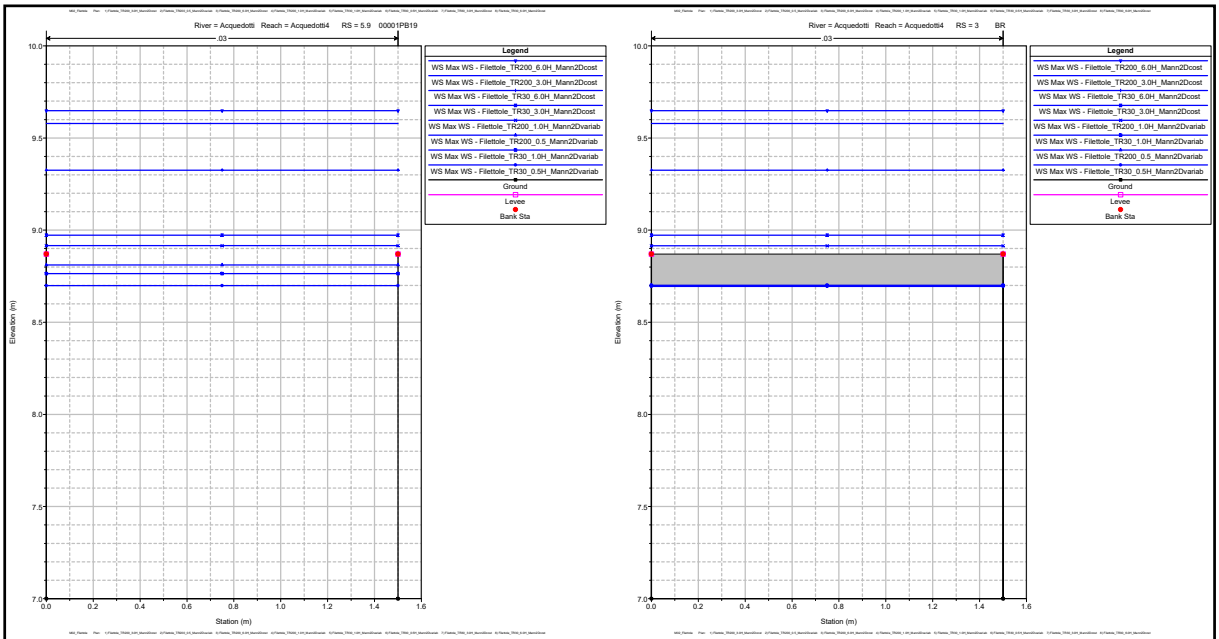

River = Acquedotti Reach = Acquedotti4 RS = 103 BR
River = Acquedotti Reach = Acquedotti4 RS = 101.8 00010PC19
River = Acquedotti Reach = Acquedotti4 RS = 100.8 00009PB19
River = Acquedotti Reach = Acquedotti4 RS = 97 BR
River = Acquedotti Reach = Acquedotti4 RS = 97 BR
River = Acquedotti Reach = Acquedotti4 RS = 94.8 00009PC19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

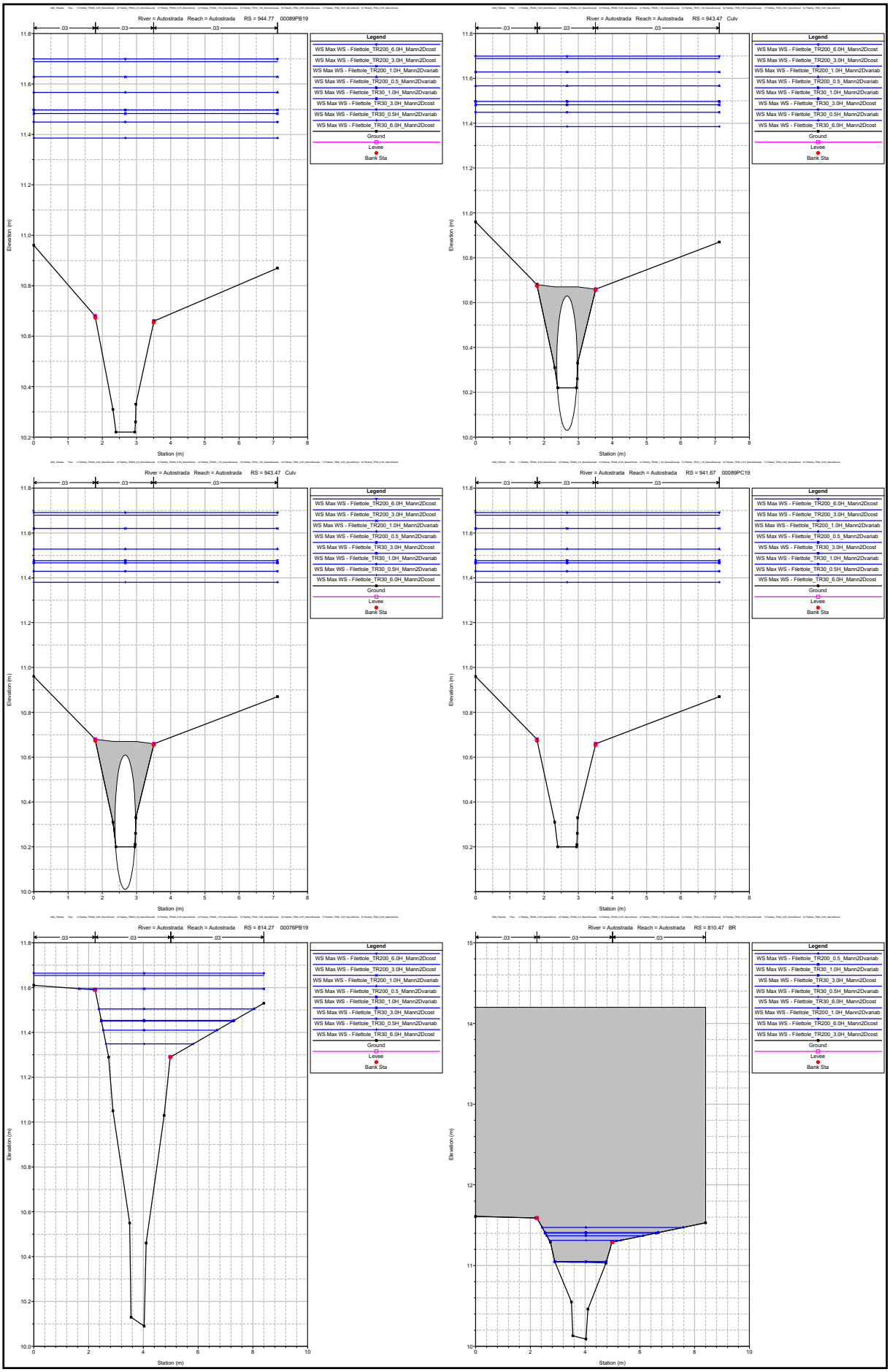

River = Acquedotti Reach = Acquedotti4 RS = 65.3 00007PB19
River = Acquedotti Reach = Acquedotti4 RS = 62 BR
River = Acquedotti Reach = Acquedotti4 RS = 62 BR
River = Acquedotti Reach = Acquedotti4 RS = 58.3 00007PC19
River = Acquedotti Reach = Acquedotti4 RS = 49 00006PB19
River = Acquedotti Reach = Acquedotti4 RS = 45 BR
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

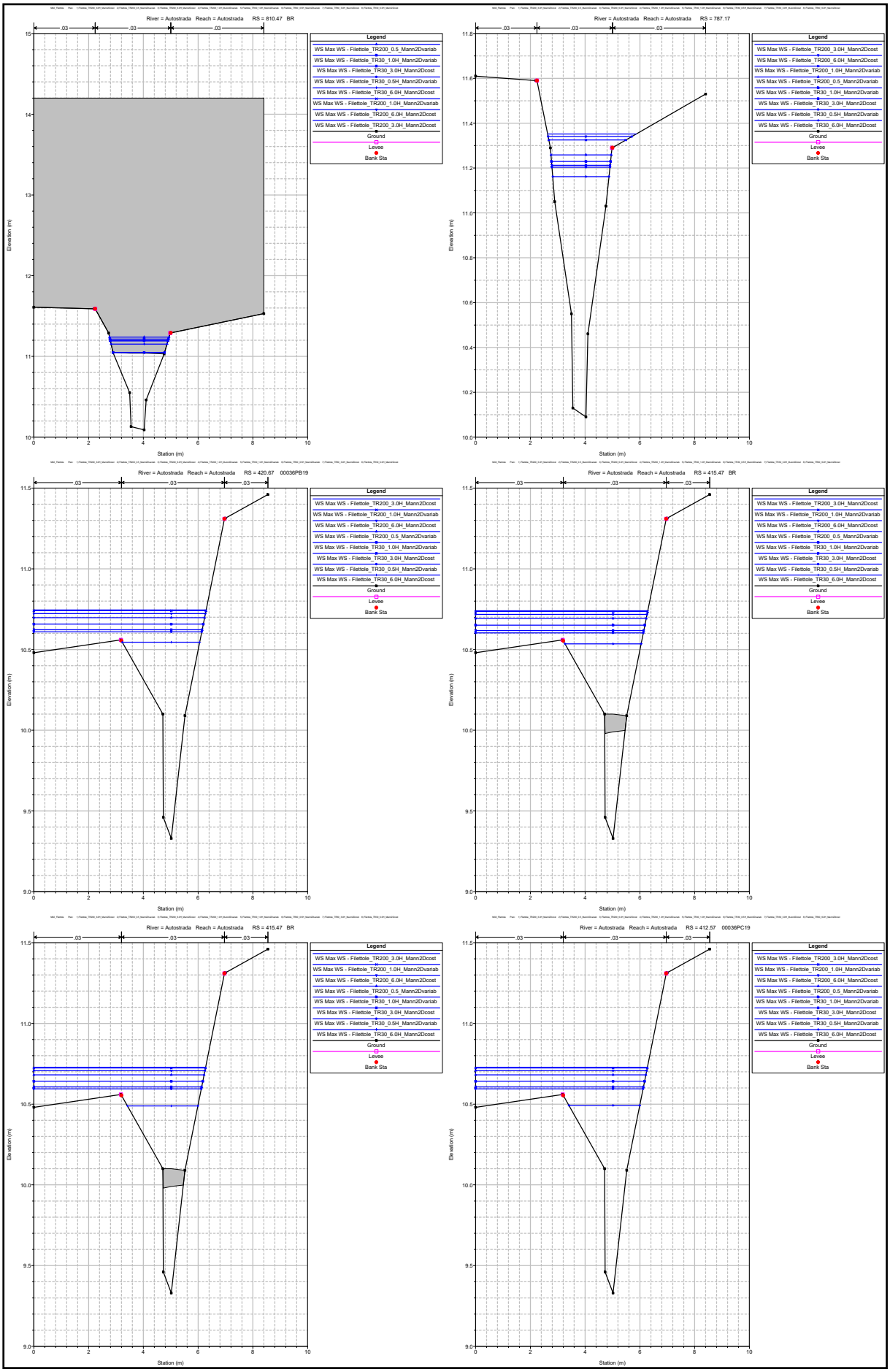

River = Acquedotti Reach = Acquedotti4 RS = 45 BR
River = Acquedotti Reach = Acquedotti4 RS = 43 00006PC19
River = Acquedotti Reach = Acquedotti4 RS = 36.5 00005PB19
River = Acquedotti Reach = Acquedotti4 RS = 35 BR
River = Acquedotti Reach = Acquedotti4 RS = 35 BR
River = Acquedotti Reach = Acquedotti4 RS = 33.5 00005PC19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
10.0
9.5
9.0
8.5
8.0
7.5
7.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

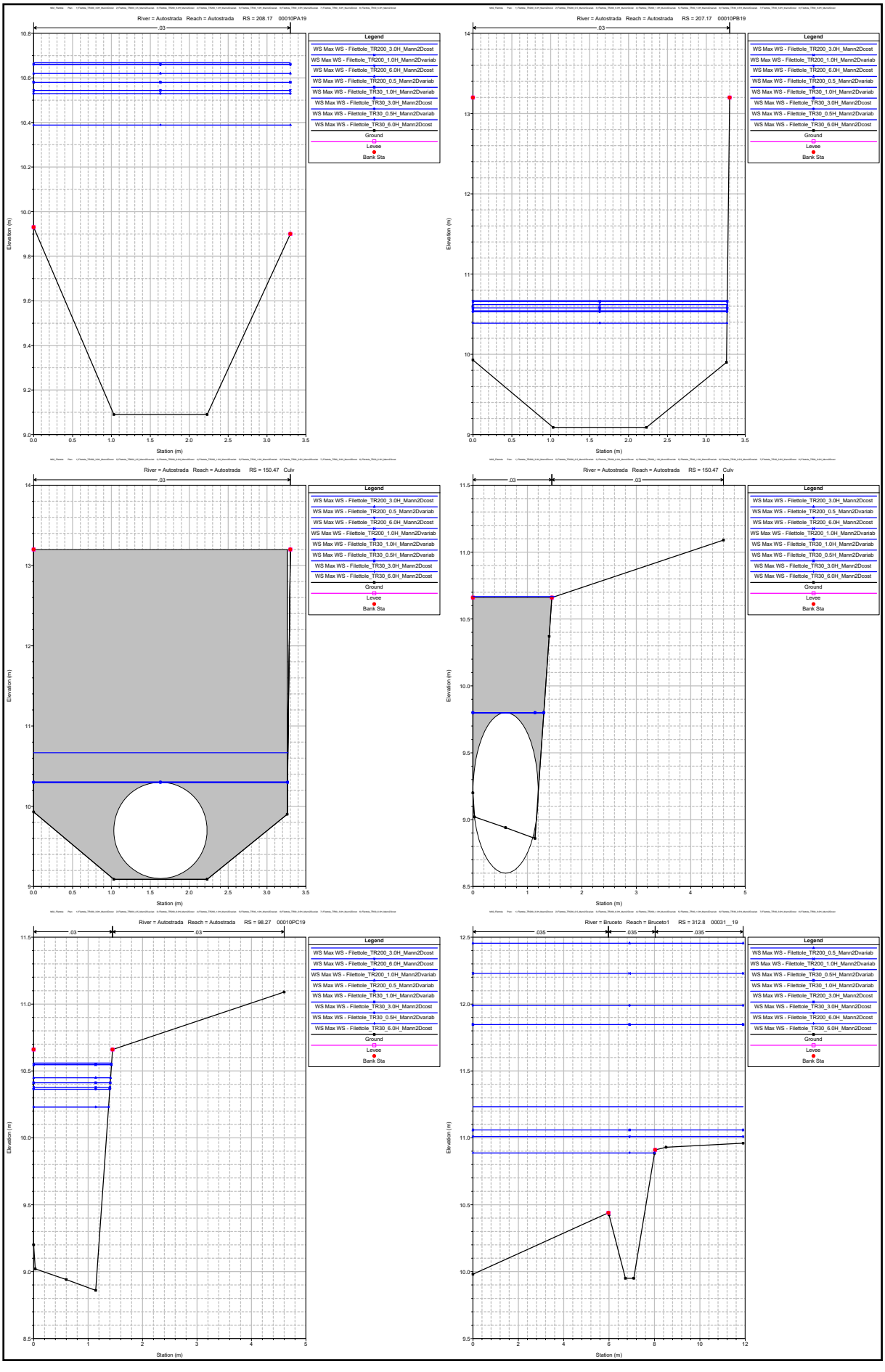

River = Acquedotti Reach = Acquedotti4 RS = 26.1 00004PB19
River = Acquedotti Reach = Acquedotti4 RS = 25 BR
River = Acquedotti Reach = Acquedotti4 RS = 25 BR
River = Acquedotti Reach = Acquedotti4 RS = 23.1 00004PC19
River = Acquedotti Reach = Acquedotti4 RS = 20.3 00003PB19
River = Acquedotti Reach = Acquedotti4 RS = 18 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

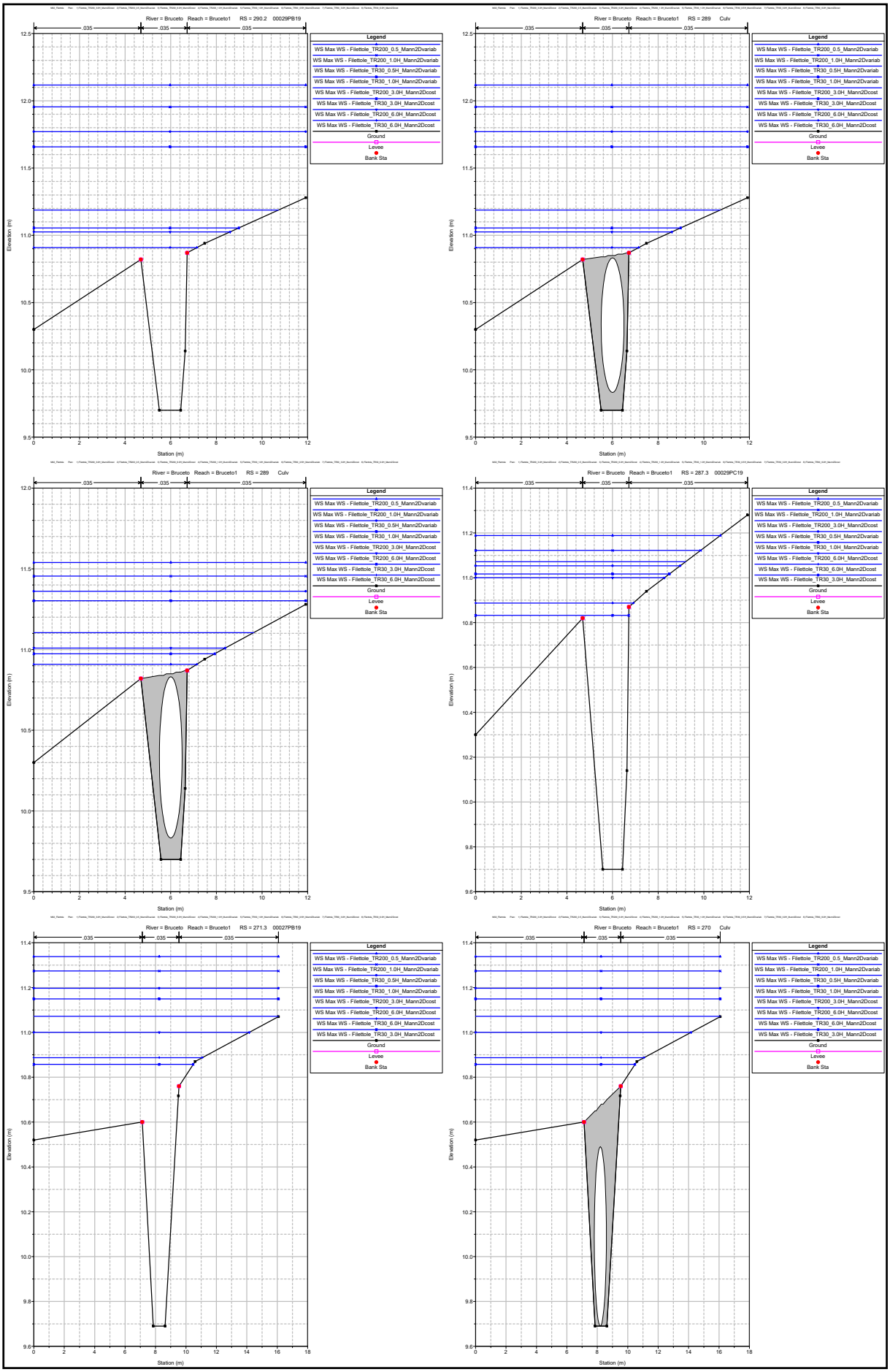

River = Acquedotti Reach = Acquedotti4 RS = 18 BR
River = Acquedotti Reach = Acquedotti4 RS = 17.9 00003PC19
River = Acquedotti Reach = Acquedotti4 RS = 15.3 00002PB19
River = Acquedotti Reach = Acquedotti4 RS = 14 BR
River = Acquedotti Reach = Acquedotti4 RS = 14 BR
River = Acquedotti Reach = Acquedotti4 RS = 13.2 00002PC19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

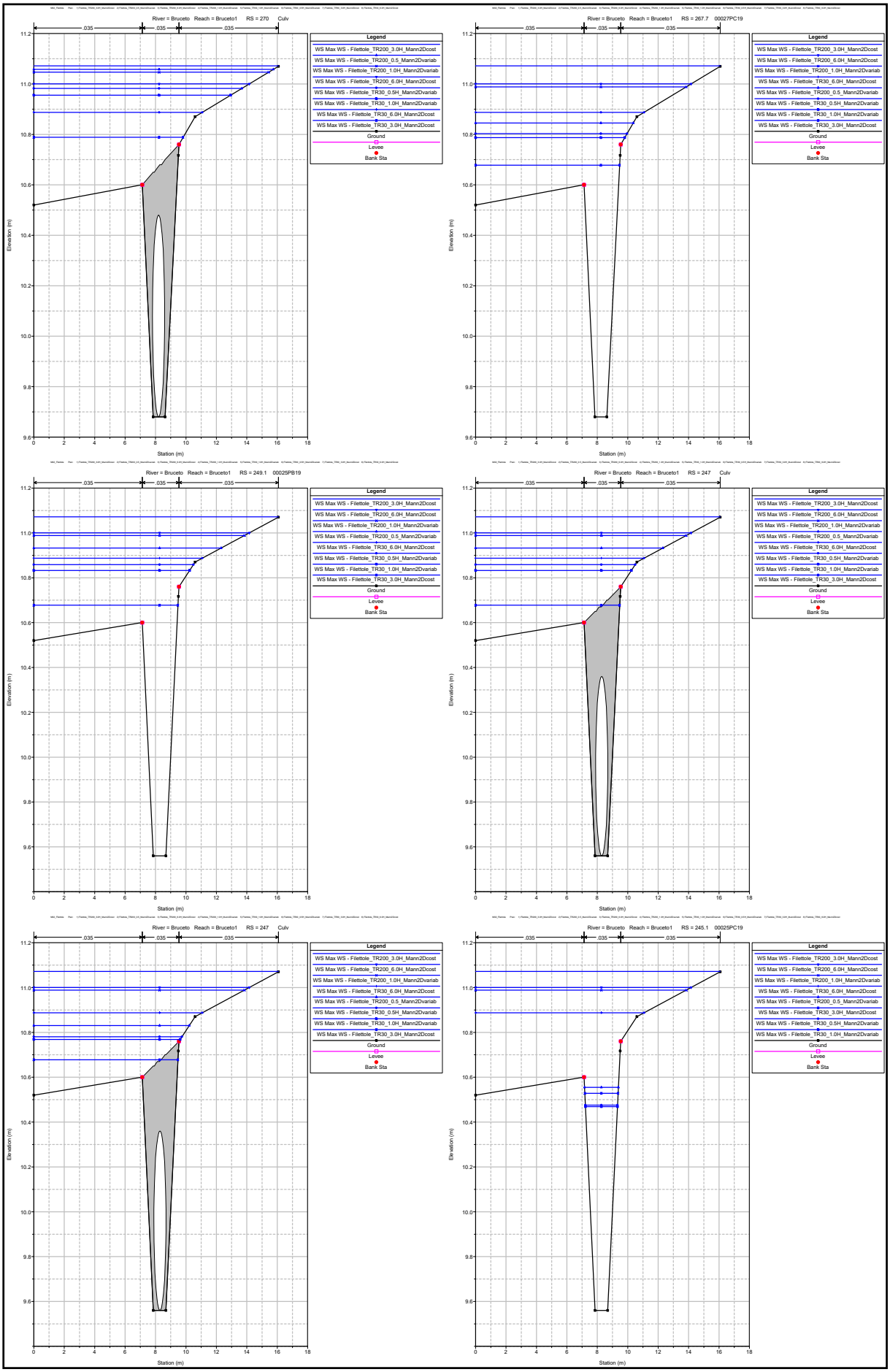

River = Acquedotti Reach = Acquedotti4 RS = 5.9 00001PB19
03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Acquedotti Reach = Acquedotti4 RS = 3 BR
03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Acquedotti Reach = Acquedotti4 RS = 3 BR
03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Acquedotti Reach = Acquedotti4 RS = 1.4 00001PC19
03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

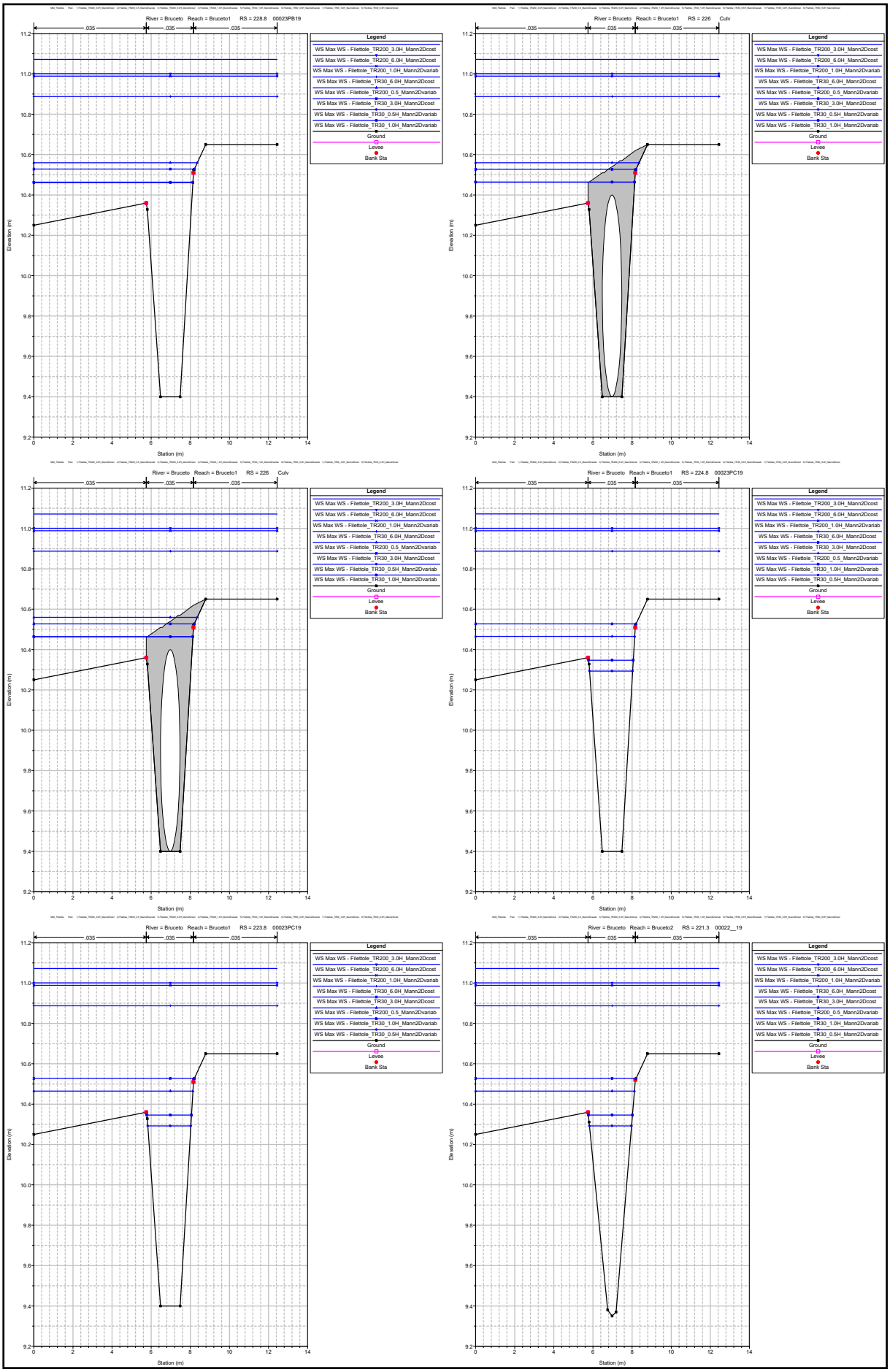

River = Autostrada Reach = Autostrada RS = 944.77 00089PB19
River = Autostrada Reach = Autostrada RS = 943.47 Culv
River = Autostrada Reach = Autostrada RS = 943.47 Culv
River = Autostrada Reach = Autostrada RS = 941.67 00089PC19
River = Autostrada Reach = Autostrada RS = 814.27 00076PB19
River = Autostrada Reach = Autostrada RS = 810.47 BR
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

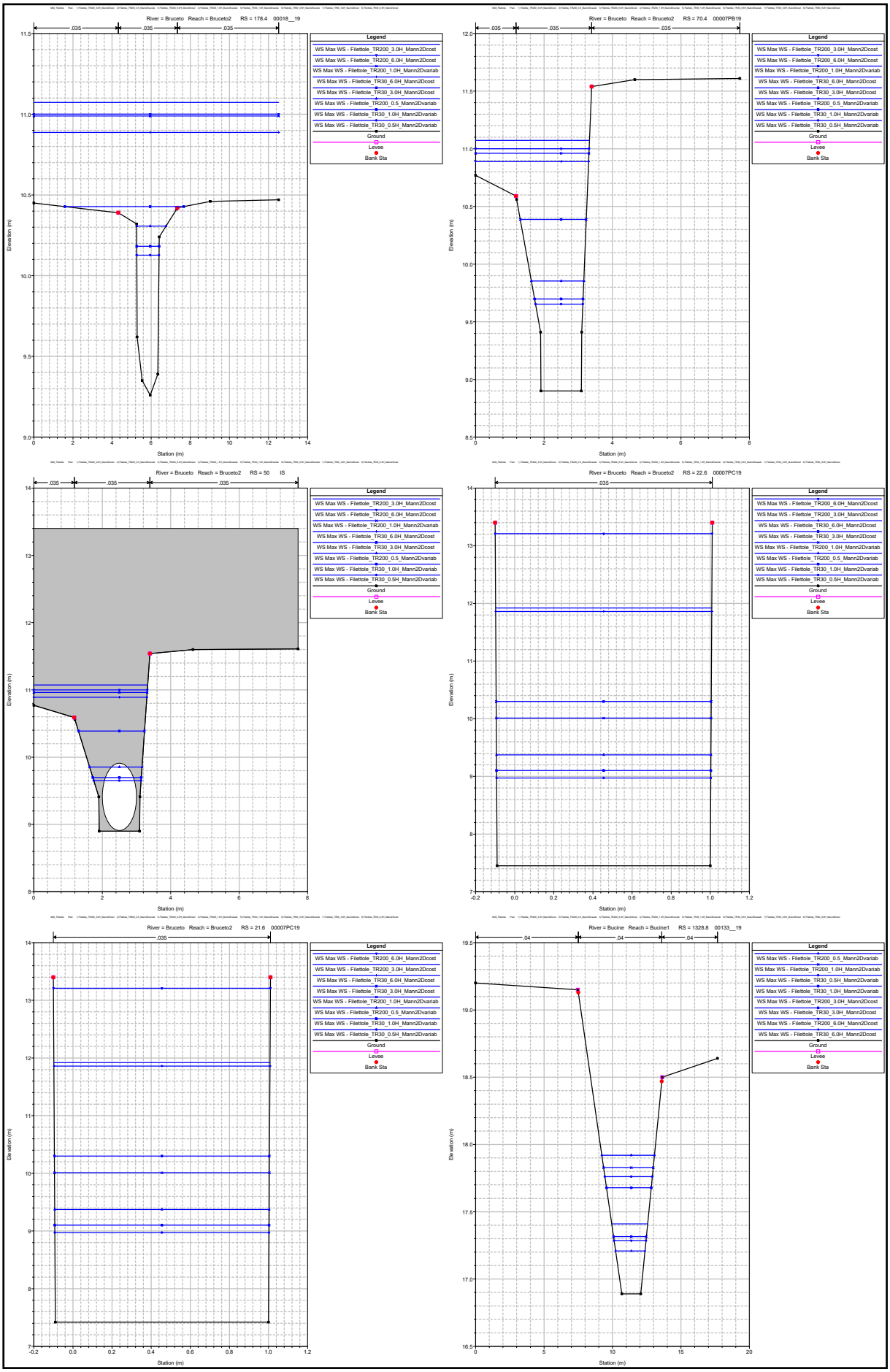

River = Autostrada Reach = Autostrada RS = 810.47 BR
River = Autostrada Reach = Autostrada RS = 787.17
River = Autostrada Reach = Autostrada RS = 420.67 00036PB19
River = Autostrada Reach = Autostrada RS = 415.47 BR
River = Autostrada Reach = Autostrada RS = 415.47 BR
River = Autostrada Reach = Autostrada RS = 412.57 00036PC19
Legend
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

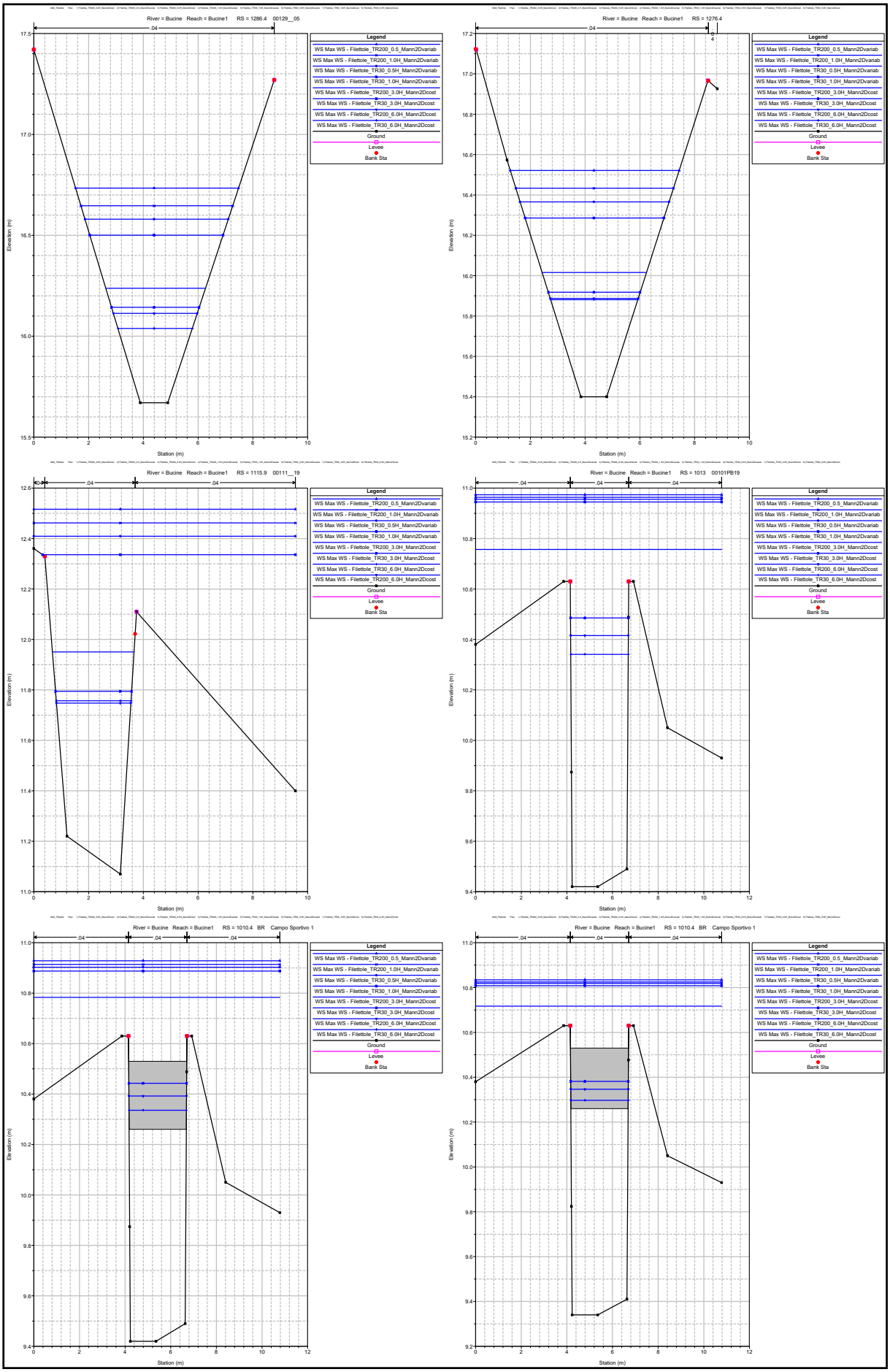

River = Autostrada Reach = Autostrada RS = 208.17 00010PA19
River = Autostrada Reach = Autostrada RS = 207.17 00010PB19
River = Autostrada Reach = Autostrada RS = 150.47 Culv
River = Autostrada Reach = Autostrada RS = 150.47 Culv
River = Autostrada Reach = Autostrada RS = 98.27 00010PC19
River = Bruceto Reach = Bruceto1 RS = 312.8 00031__19
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

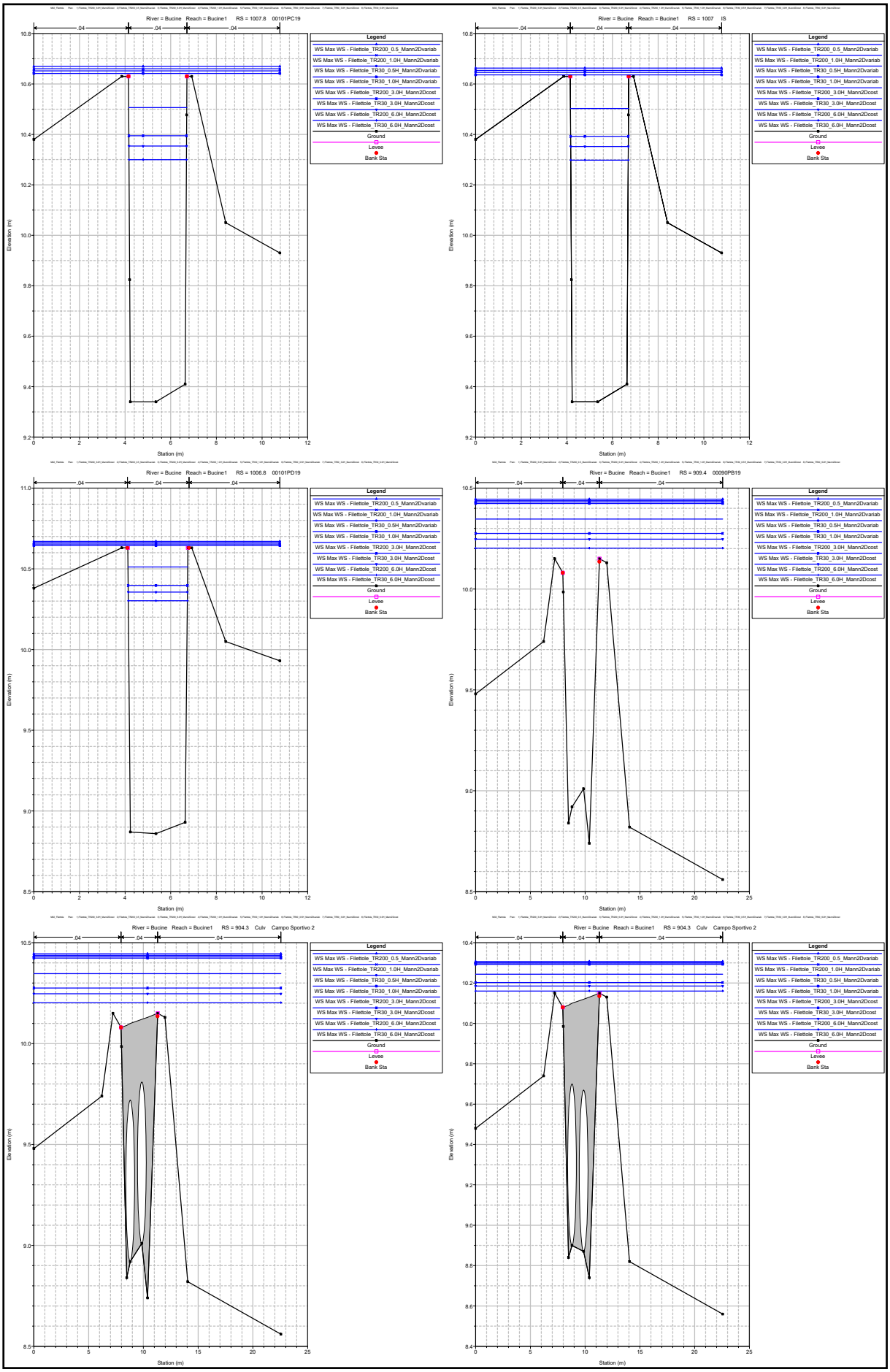

River = Bruceto Reach = Bruceto1 RS = 290.2 00029PB19
River = Bruceto Reach = Bruceto1 RS = 289 Culv
River = Bruceto Reach = Bruceto1 RS = 289 Culv
River = Bruceto Reach = Bruceto1 RS = 287.3 00029PC19
River = Bruceto Reach = Bruceto1 RS = 271.3 00027PB19
River = Bruceto Reach = Bruceto1 RS = 270 Culv
.035
Legend
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

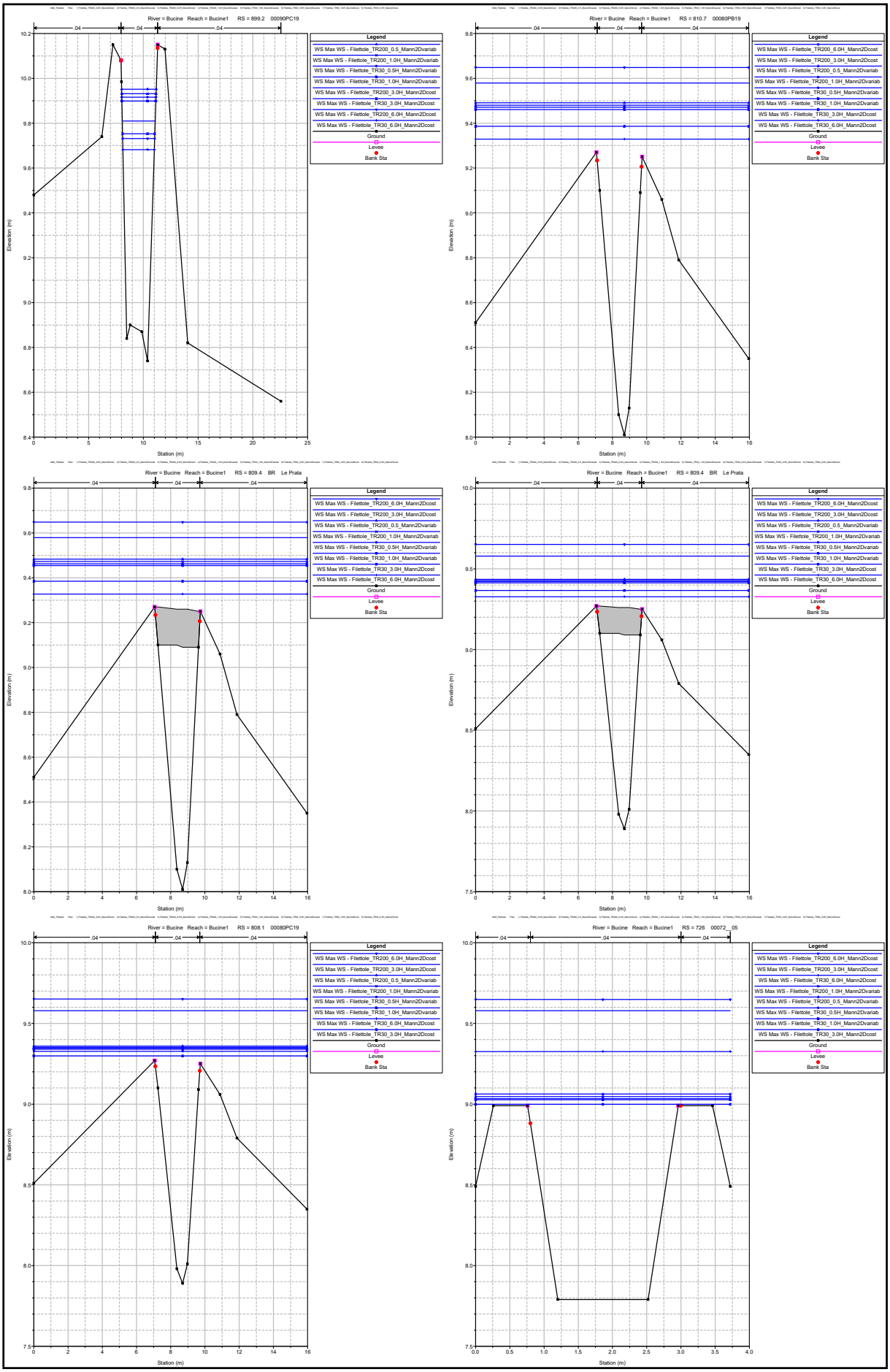

River = Bruceto Reach = Bruceto1 RS = 270 Culv
.035 .035 .035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
Ground
Levee
Bank Sta
River = Bruceto Reach = Bruceto1 RS = 267.7 00027PC19
River = Bruceto Reach = Bruceto1 RS = 249.1 00025PB19
River = Bruceto Reach = Bruceto1 RS = 247 Culv
River = Bruceto Reach = Bruceto1 RS = 245.1 00025PC19

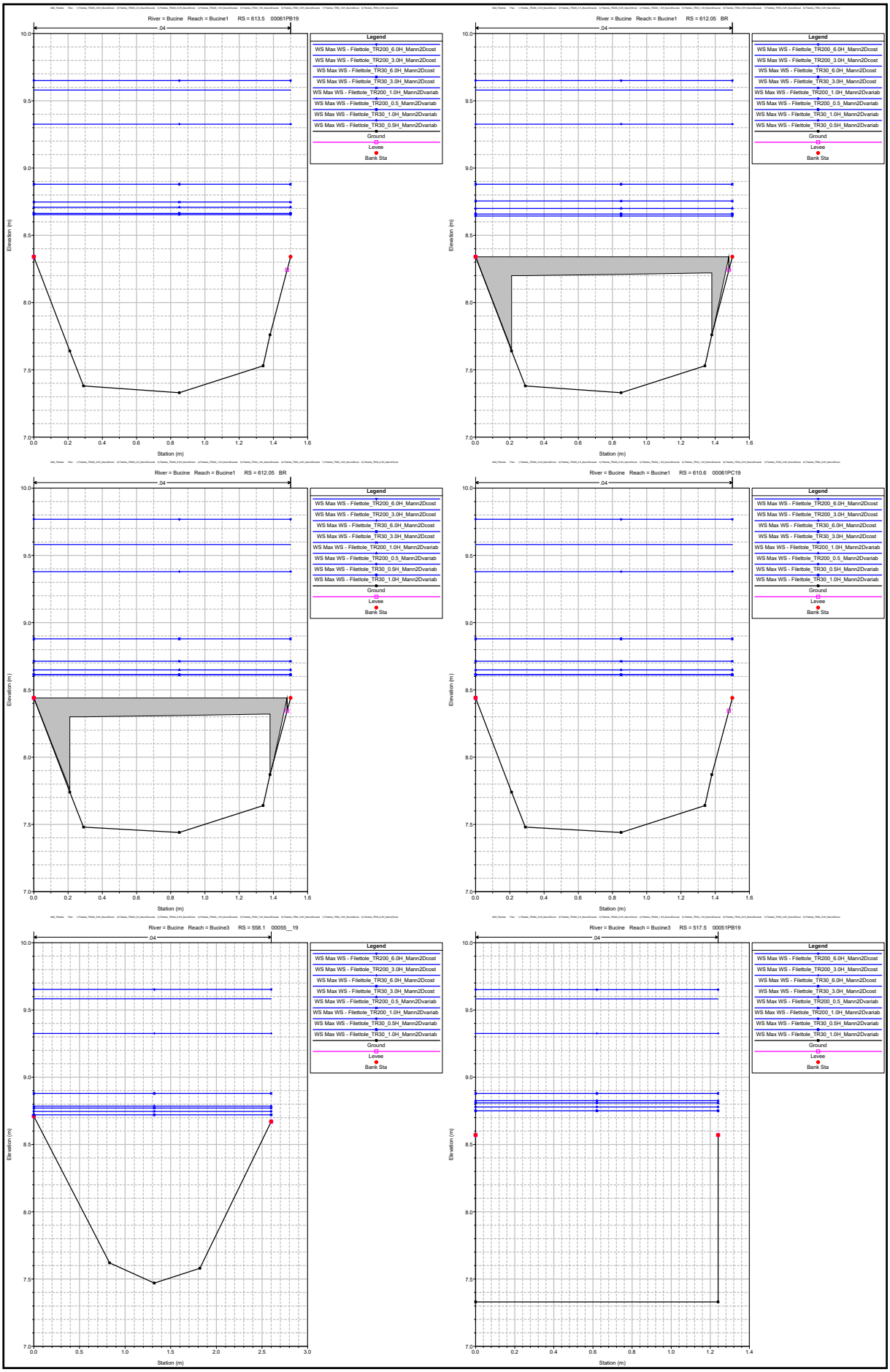

River = Bruceto Reach = Bruceto1 RS = 228.8 00023PB19
River = Bruceto Reach = Bruceto1 RS = 226 Culv
River = Bruceto Reach = Bruceto1 RS = 226 Culv
River = Bruceto Reach = Bruceto1 RS = 224.8 00023PC19
River = Bruceto Reach = Bruceto1 RS = 223.8 00023PC19
River = Bruceto Reach = Bruceto2 RS = 221.3 00022__19
.035
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

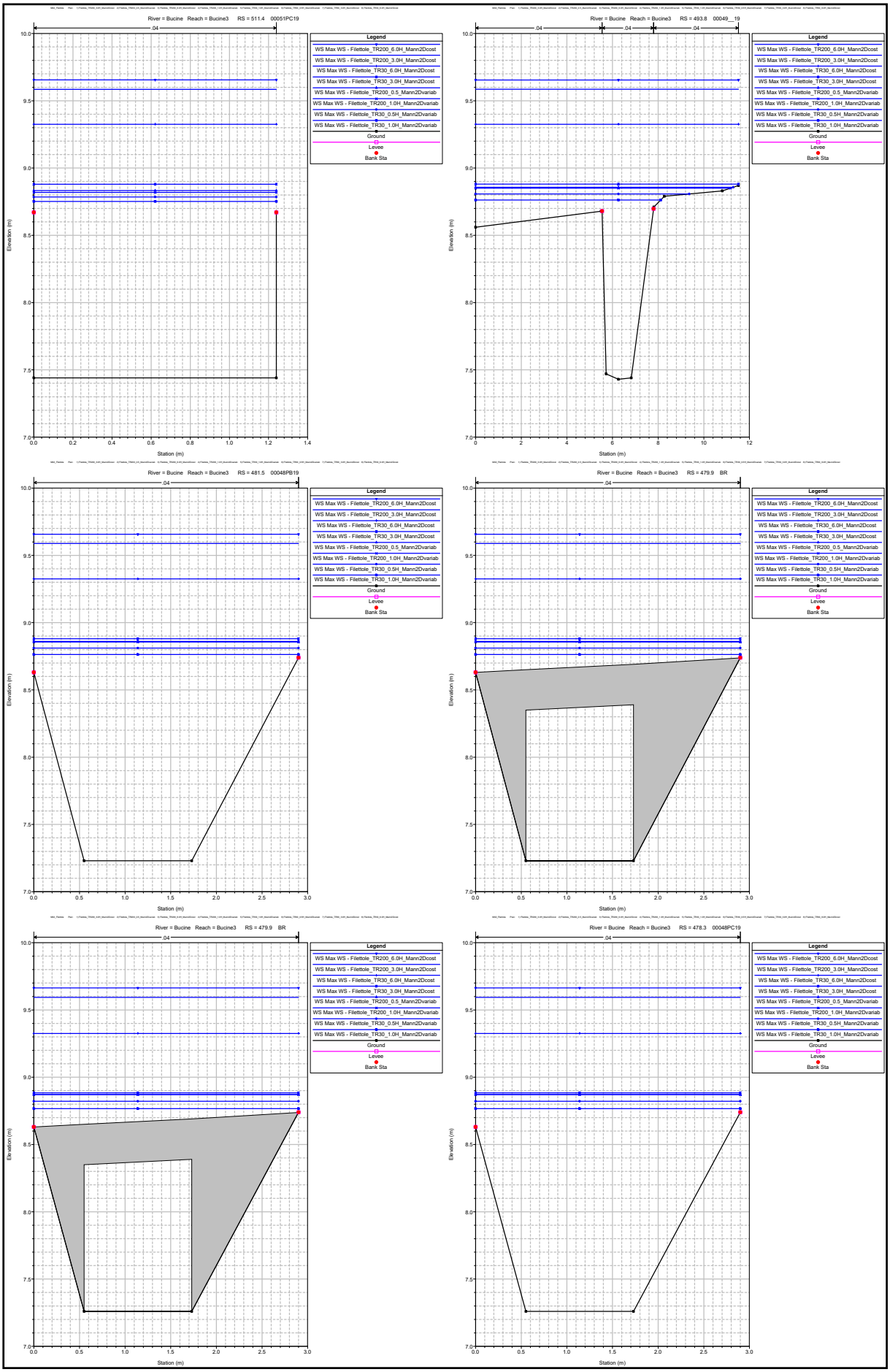

River = Bruceto Reach = Bruceto2 RS = 178.4 00018__19
River = Bruceto Reach = Bruceto2 RS = 70.4 00007PB19
River = Bruceto Reach = Bruceto2 RS = 50 IS
River = Bruceto Reach = Bruceto2 RS = 22.6 00007PC19
River = Bruceto Reach = Bruceto2 RS = 21.6 00007PC19
River = Bucine Reach = Bucine1 RS = 1328.8 00133__19
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

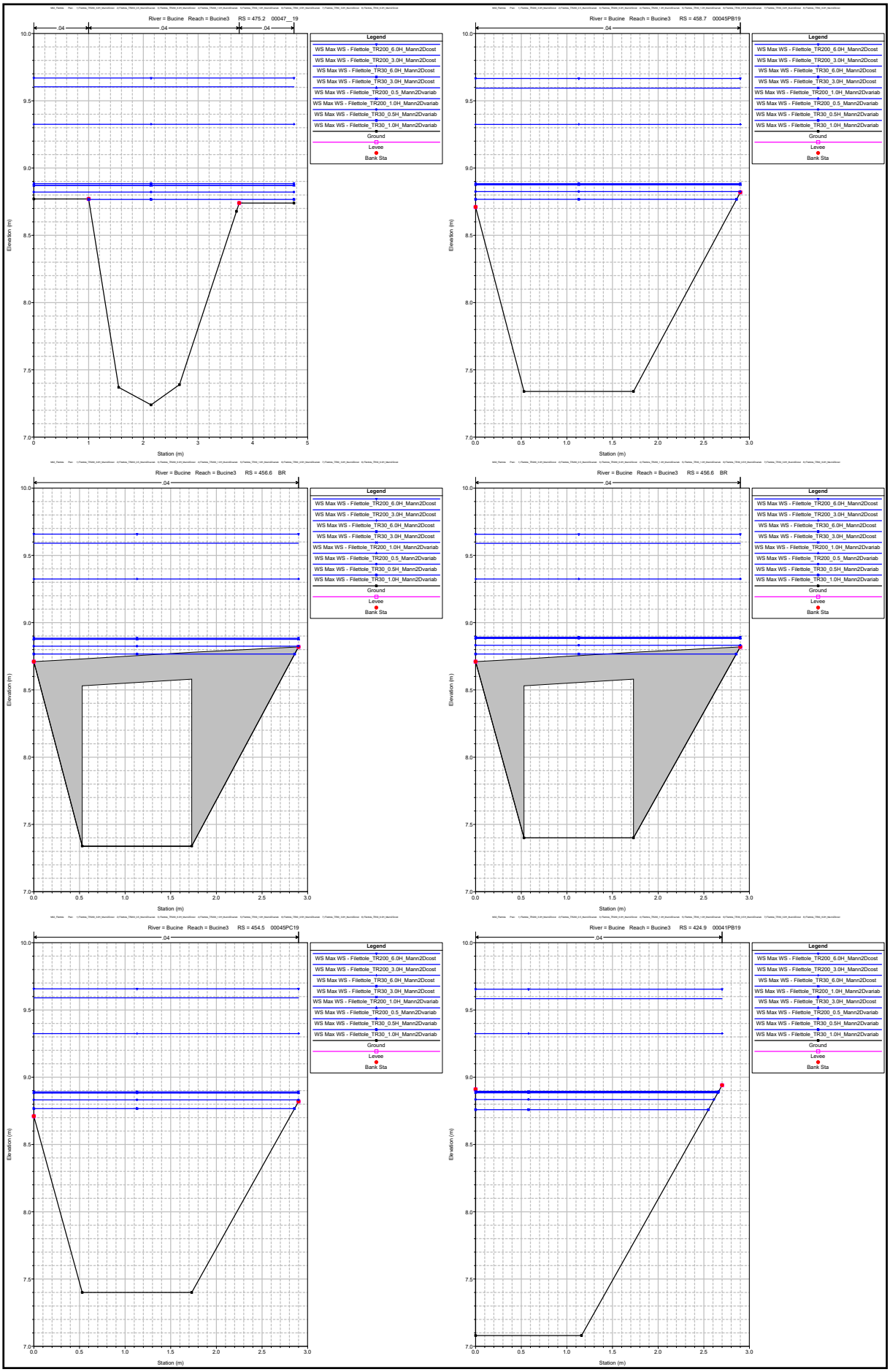

River = Bucine Reach = Bucine1 RS = 1286.4 00129__05
River = Bucine Reach = Bucine1 RS = 1276.4
River = Bucine Reach = Bucine1 RS = 1115.9 00111__19
River = Bucine Reach = Bucine1 RS = 1013 00101PB19
River = Bucine Reach = Bucine1 RS = 1010.4 BR Campo Sportivo 1
River = Bucine Reach = Bucine1 RS = 1010.4 BR Campo Sportivo 1
Legend
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

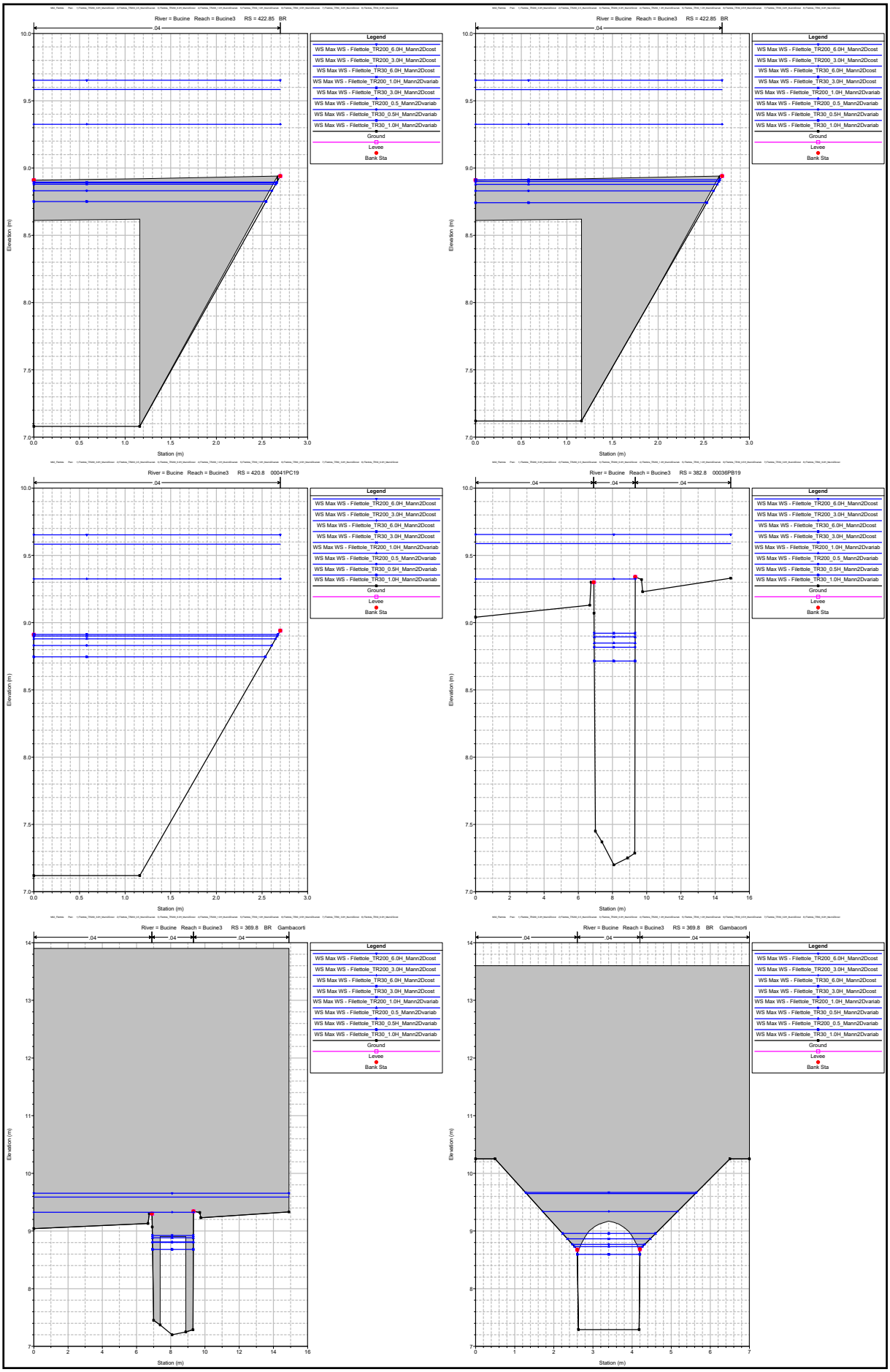

River = Bucine Reach = Bucine1 RS = 1007.8 00101PC19
River = Bucine Reach = Bucine1 RS = 1007 IS
River = Bucine Reach = Bucine1 RS = 1006.8 00101PD19
River = Bucine Reach = Bucine1 RS = 909.4 00090PB19
River = Bucine Reach = Bucine1 RS = 904.3 Culv Campo Sportivo 2
River = Bucine Reach = Bucine1 RS = 904.3 Culv Campo Sportivo 2
Legend
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

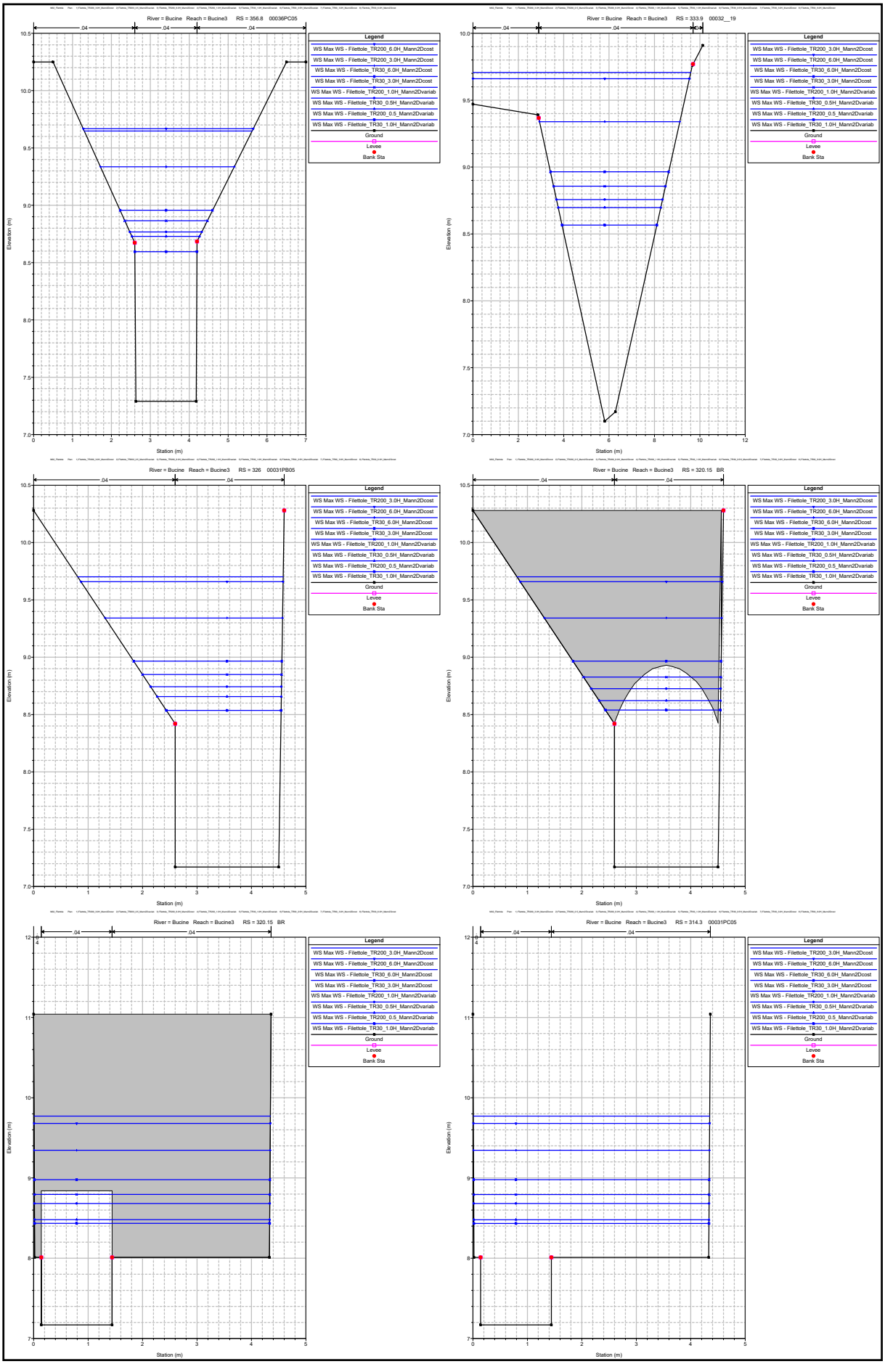

River = Bucine Reach = Bucine1 RS = 899.2 00090PC19
River = Bucine Reach = Bucine1 RS = 810.7 00080PB19
River = Bucine Reach = Bucine1 RS = 809.4 BR Le Prata
River = Bucine Reach = Bucine1 RS = 809.4 BR Le Prata
River = Bucine Reach = Bucine1 RS = 808.1 00080PC19
River = Bucine Reach = Bucine1 RS = 726 00072__05
Legend
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

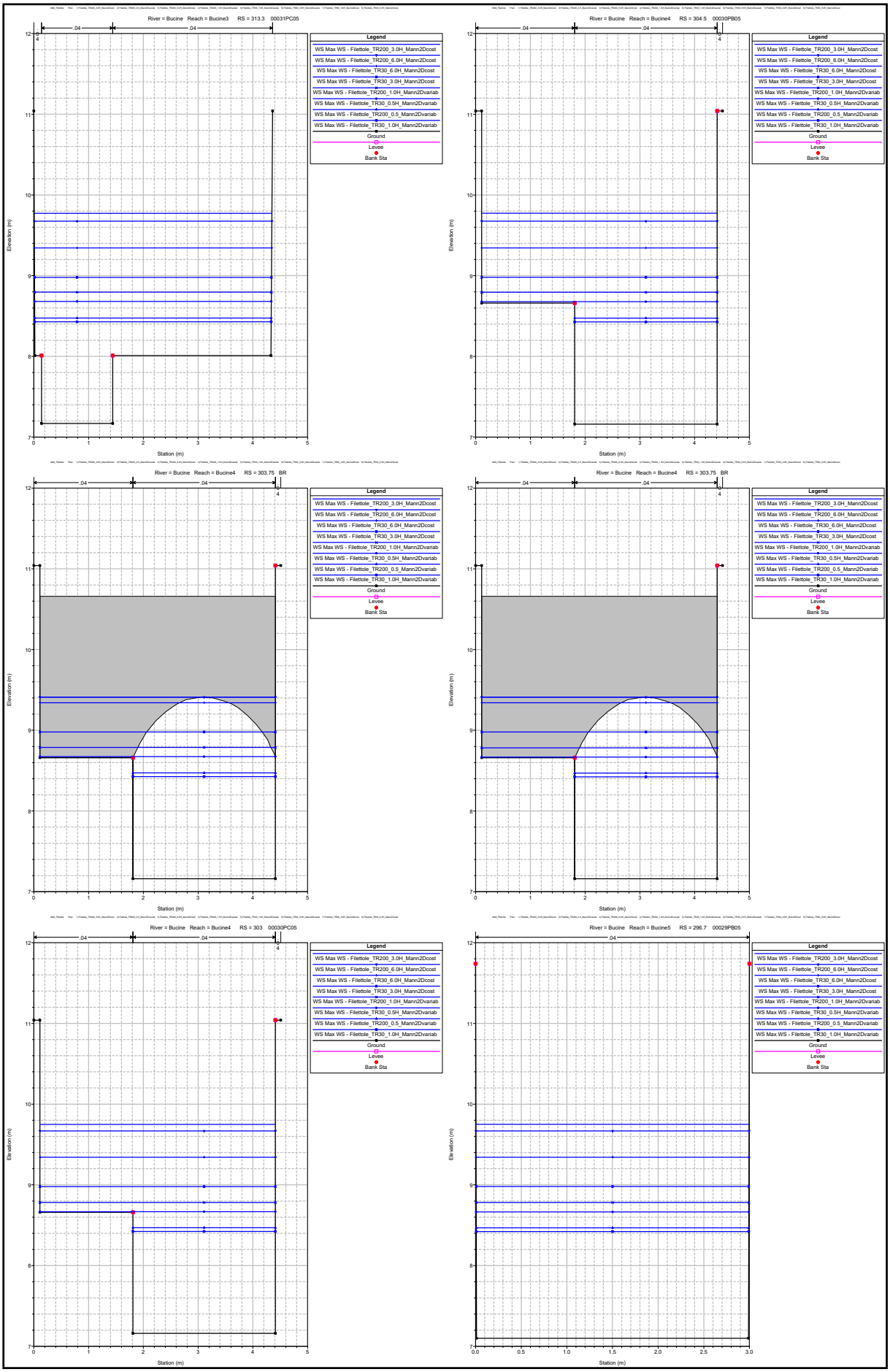

River = Bucine Reach = Bucine1 RS = 613.5 00061PB19
River = Bucine Reach = Bucine1 RS = 612.05 BR
River = Bucine Reach = Bucine1 RS = 612.05 BR
River = Bucine Reach = Bucine1 RS = 610.6 00061PC19
River = Bucine Reach = Bucine3 RS = 558.1 00055__19
River = Bucine Reach = Bucine3 RS = 517.5 00051PB19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

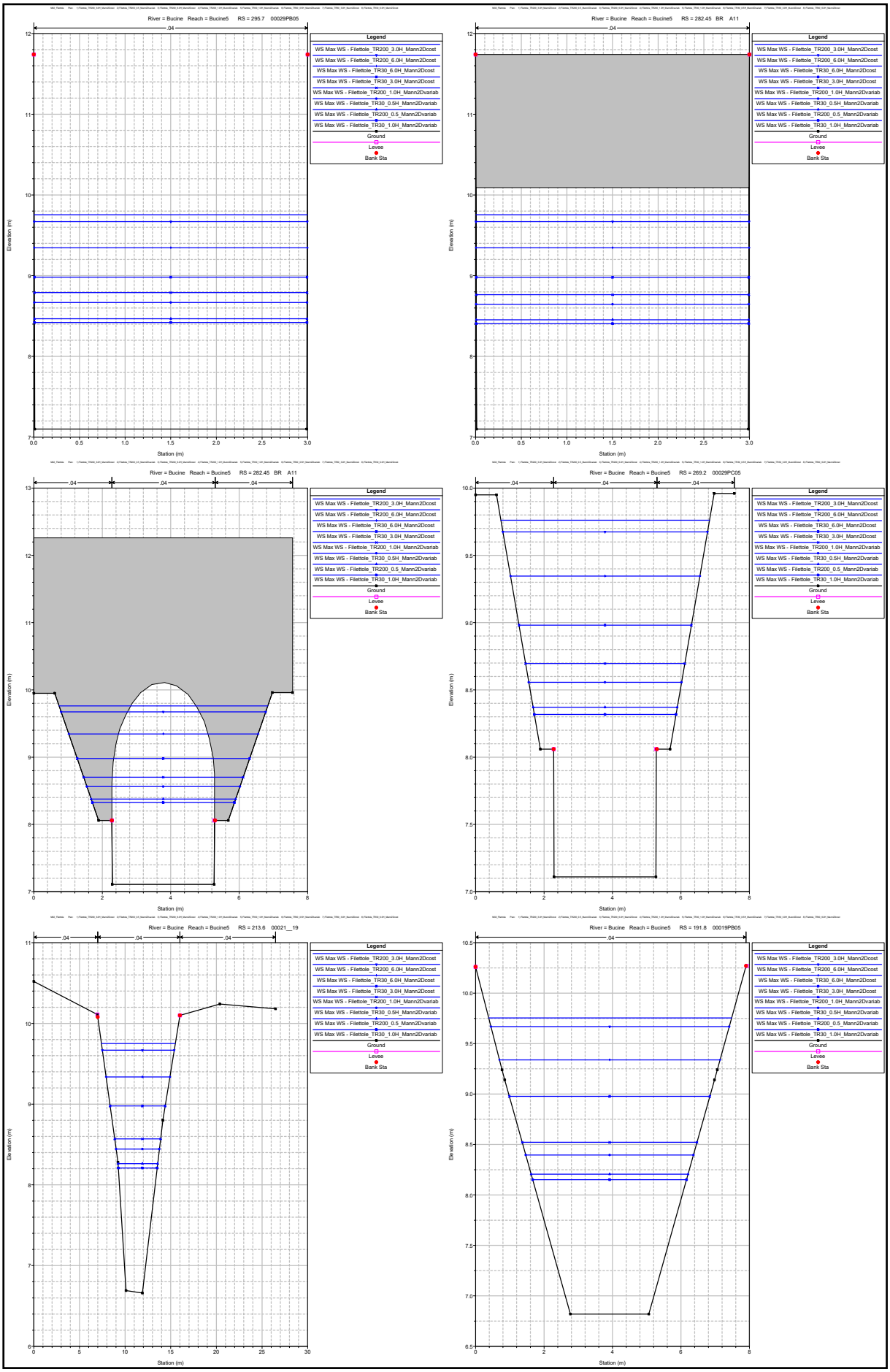

River = Bucine Reach = Bucine3 RS = 511.4 00051PC19
River = Bucine Reach = Bucine3 RS = 493.8 00049__19
River = Bucine Reach = Bucine3 RS = 481.5 00048PB19
River = Bucine Reach = Bucine3 RS = 479.9 BR
River = Bucine Reach = Bucine3 RS = 479.9 BR
River = Bucine Reach = Bucine3 RS = 478.3 00048PC19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

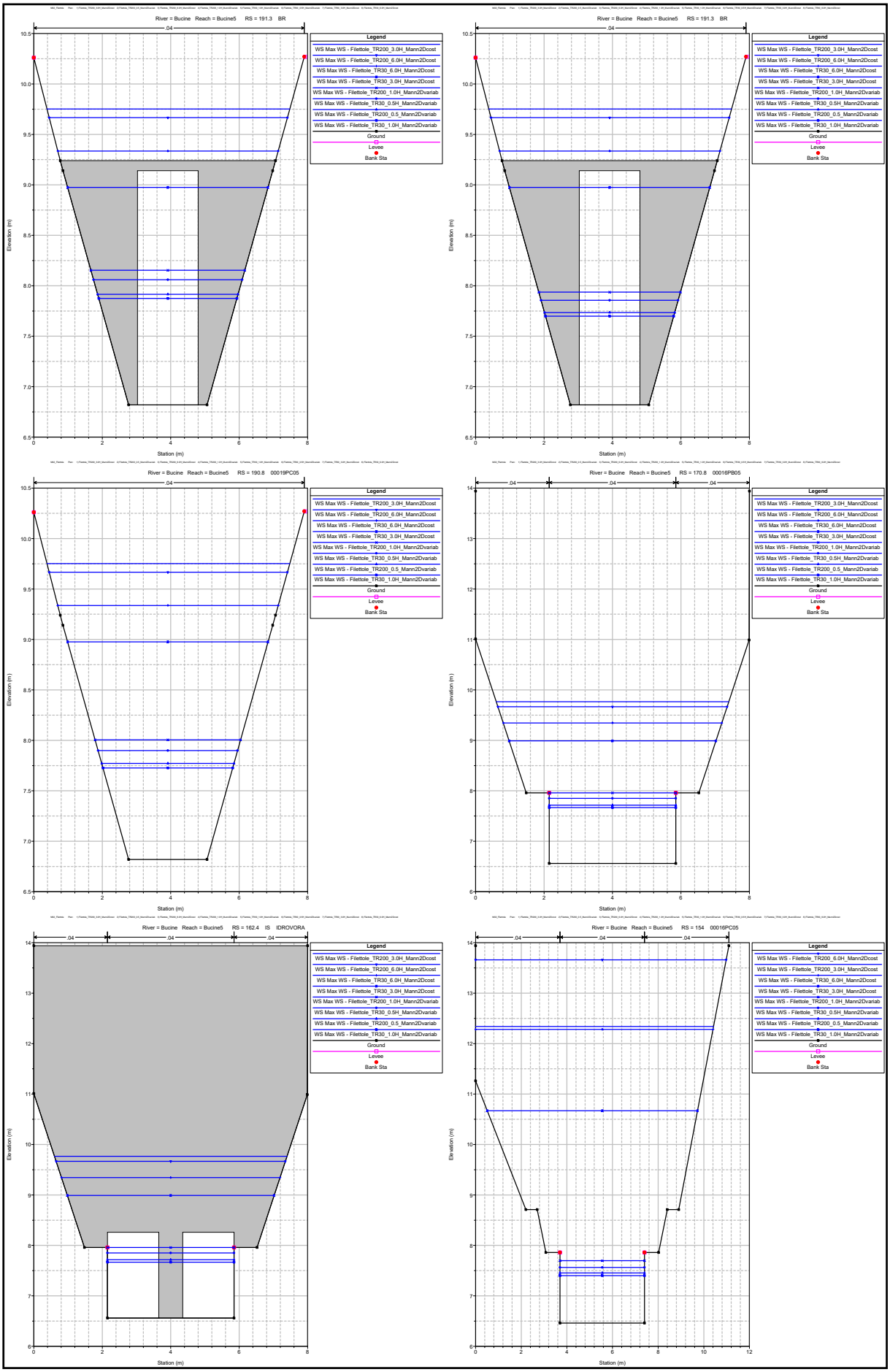

River = Bucine Reach = Bucine3 RS = 475.2 00047__19
River = Bucine Reach = Bucine3 RS = 458.7 00045PB19
River = Bucine Reach = Bucine3 RS = 456.6 BR
River = Bucine Reach = Bucine3 RS = 456.6 BR
River = Bucine Reach = Bucine3 RS = 454.5 00045PC19
River = Bucine Reach = Bucine3 RS = 424.9 00041PB19
.04
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

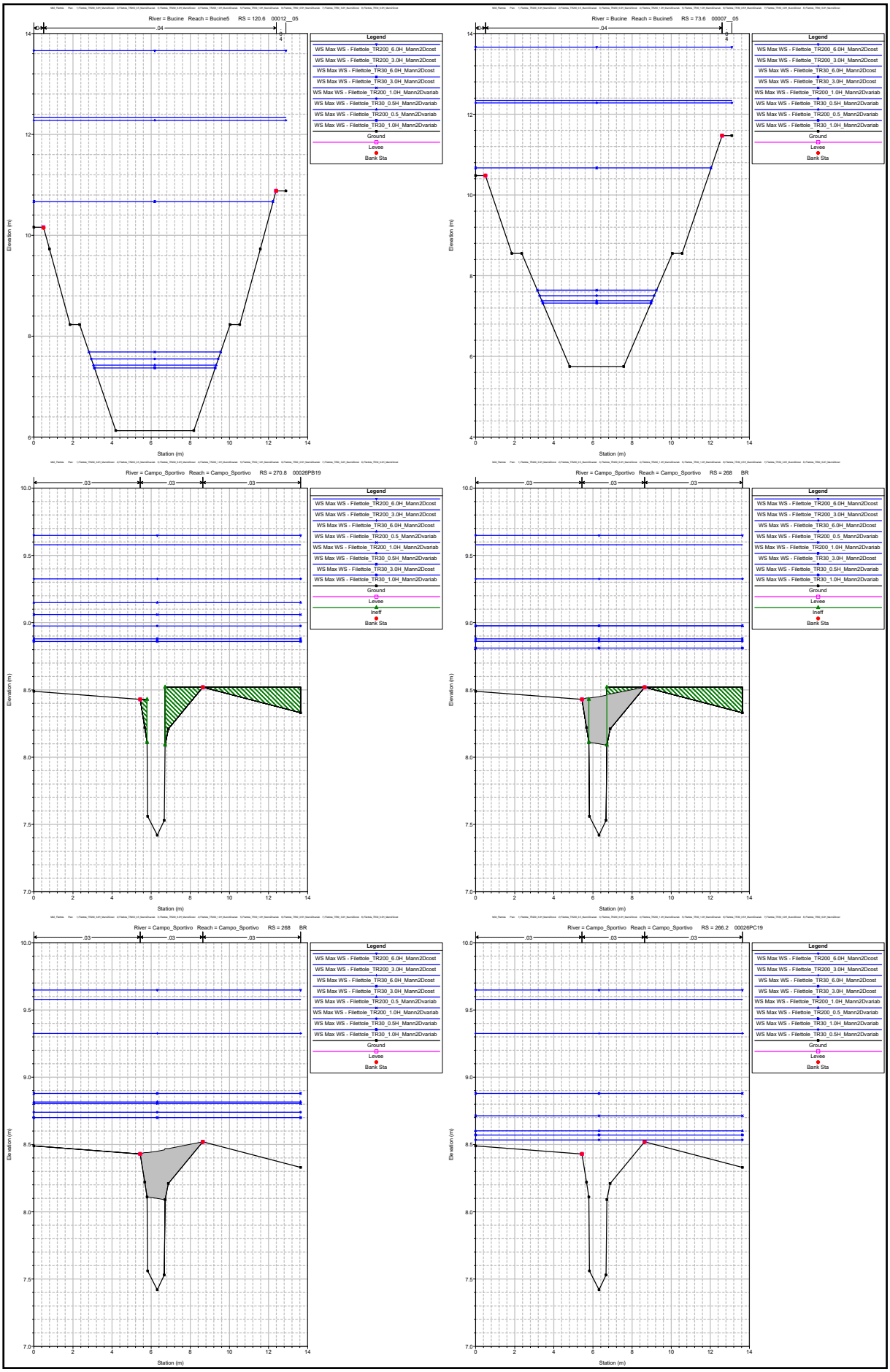

River = Bucine Reach = Bucine3 RS = 422.85 BR
River = Bucine Reach = Bucine3 RS = 420.8 00041PC19
River = Bucine Reach = Bucine3 RS = 382.8 00036PB19
River = Bucine Reach = Bucine3 RS = 369.8 BR Gambacorti
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


River = Bucine Reach = Bucine3 RS = 356.8 00036PC05
River = Bucine Reach = Bucine3 RS = 333.9 00032__19
River = Bucine Reach = Bucine3 RS = 326 00031PB05
River = Bucine Reach = Bucine3 RS = 320.15 BR
River = Bucine Reach = Bucine3 RS = 320.15 BR
River = Bucine Reach = Bucine3 RS = 314.3 00031PC05
.04
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


River = Bucine Reach = Bucine3 RS = 313.3 00031PC05
River = Bucine Reach = Bucine4 RS = 304.5 00030PB05
River = Bucine Reach = Bucine4 RS = 303.75 BR
River = Bucine Reach = Bucine4 RS = 303.75 BR
River = Bucine Reach = Bucine4 RS = 303 00030PC05
River = Bucine Reach = Bucine5 RS = 296.7 00029PB05
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta


River = Bucine Reach = Bucine5 RS = 295.7 00029PB05
River = Bucine Reach = Bucine5 RS = 282.45 BR A11
River = Bucine Reach = Bucine5 RS = 282.45 BR A11
River = Bucine Reach = Bucine5 RS = 269.2 00029PC05
River = Bucine Reach = Bucine5 RS = 213.6 00021__19
River = Bucine Reach = Bucine5 RS = 191.8 00019PB05
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


River = Bucine Reach = Bucine5 RS = 191.3 BR
River = Bucine Reach = Bucine5 RS = 191.3 BR
River = Bucine Reach = Bucine5 RS = 190.8 00019PC05
River = Bucine Reach = Bucine5 RS = 170.8 00016PB05
River = Bucine Reach = Bucine5 RS = 162.4 IS IDROVORA
River = Bucine Reach = Bucine5 RS = 154 00016PC05
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


River = Bucine Reach = Bucine5 RS = 120.6 00012 _05
River = Bucine Reach = Bucine5 RS = 73.6 00007 _05
River = Campo_Sportivo Reach = Campo_Sportivo RS = 270.8 00026PB19
River = Campo_Sportivo Reach = Campo_Sportivo RS = 268 BR
River = Campo_Sportivo Reach = Campo_Sportivo RS = 268 BR
River = Campo_Sportivo Reach = Campo_Sportivo RS = 266.2 00026PC19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
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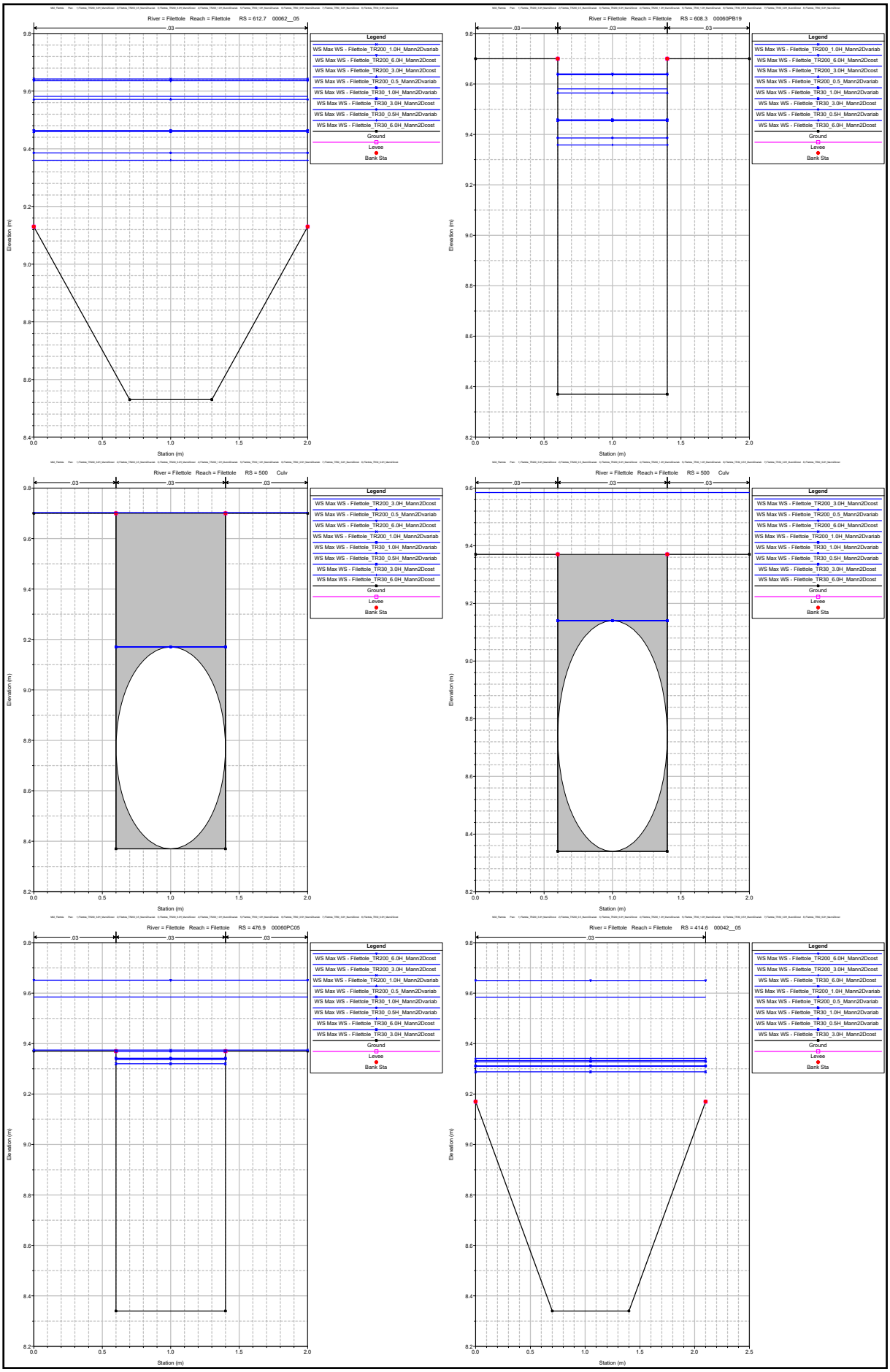
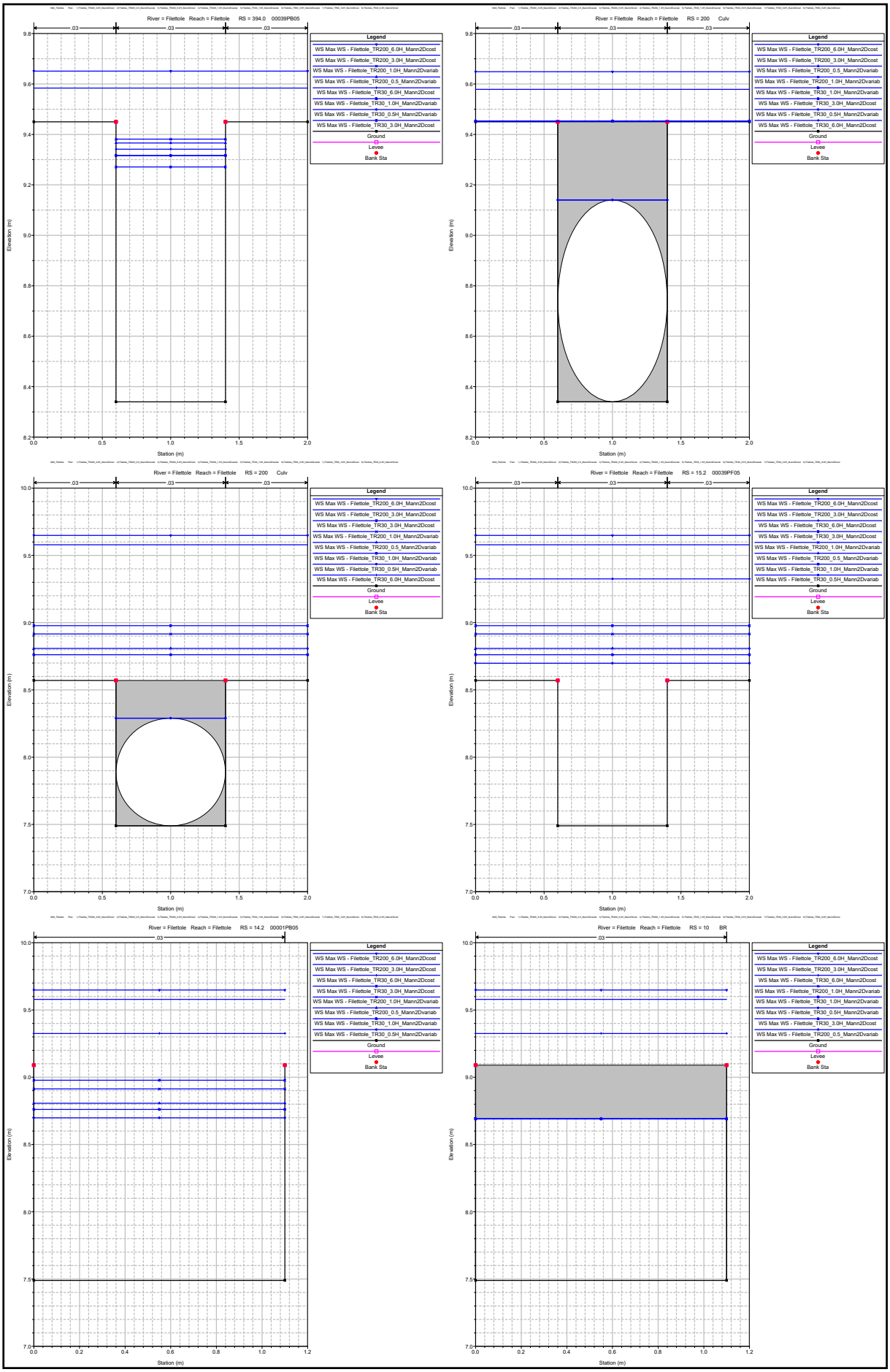
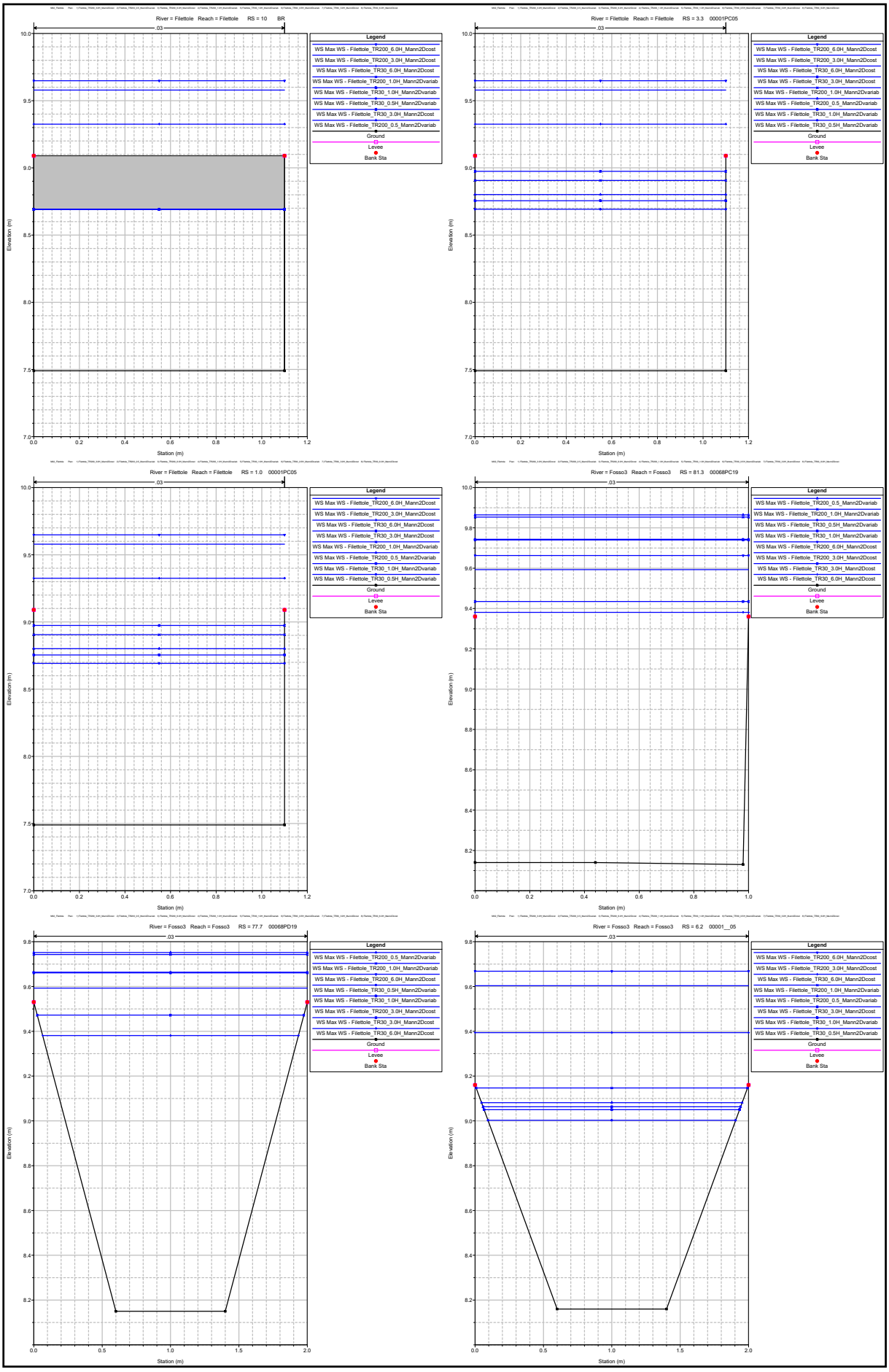
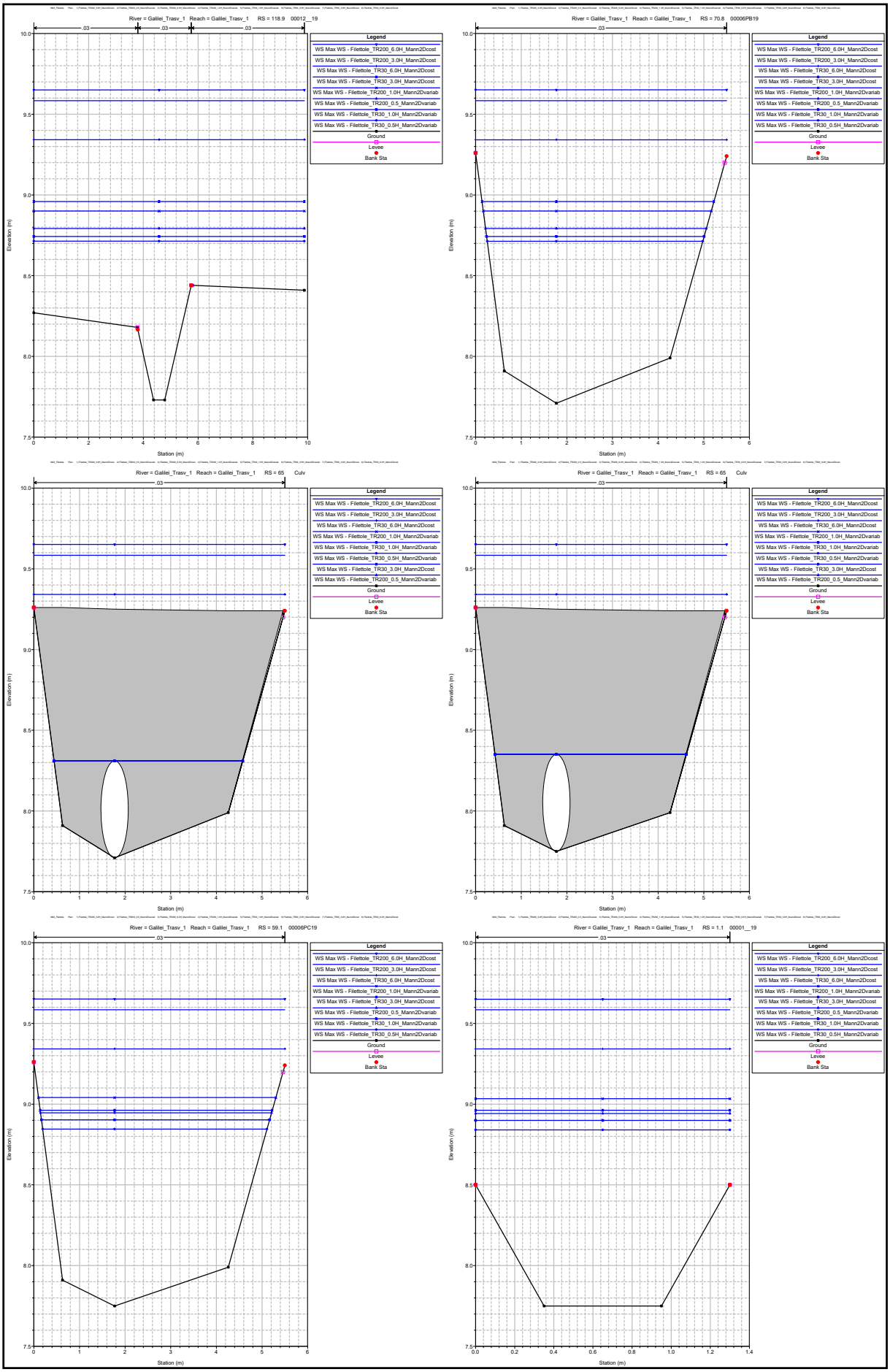
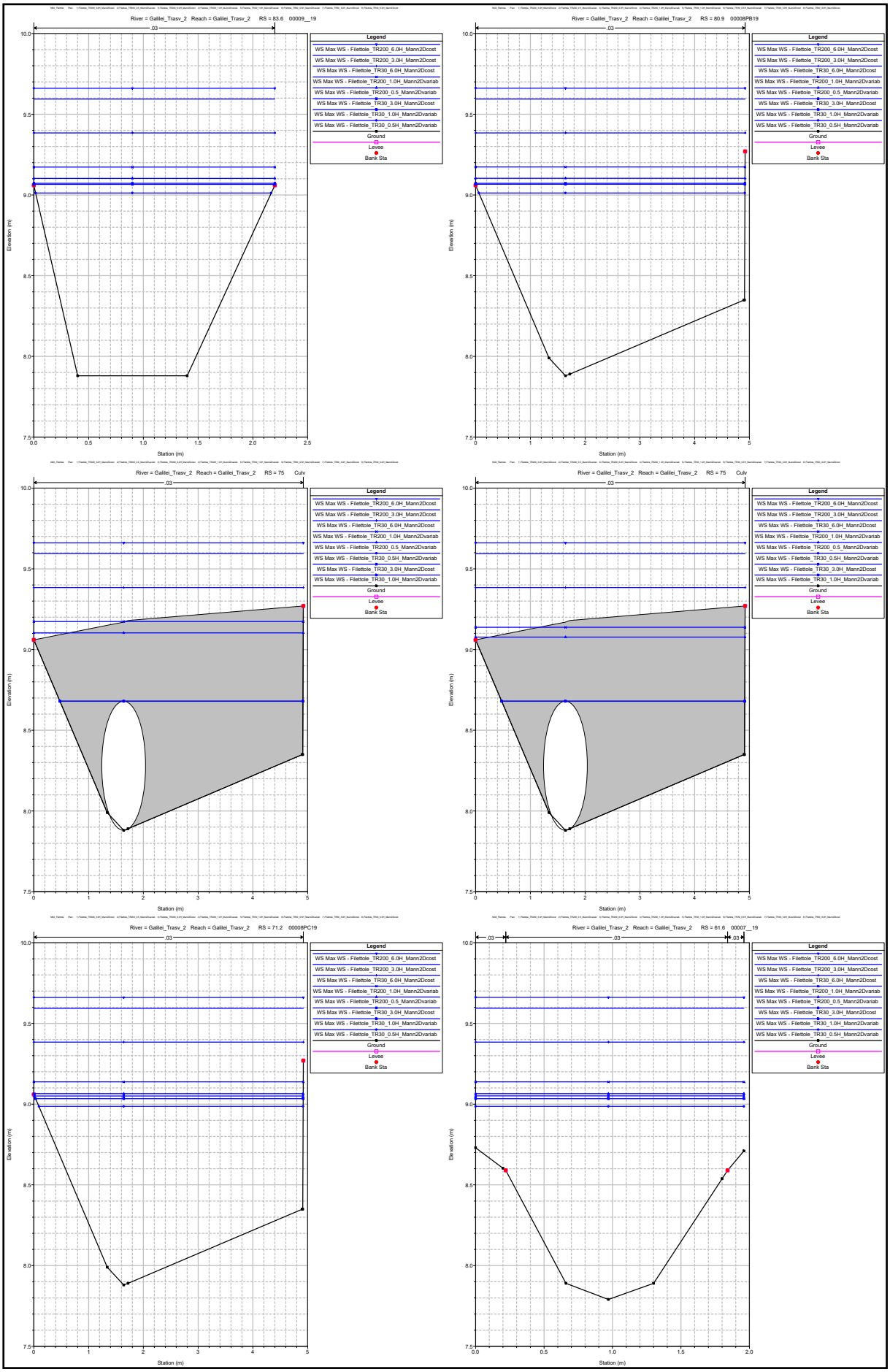
Elevation (m)
Station (m)

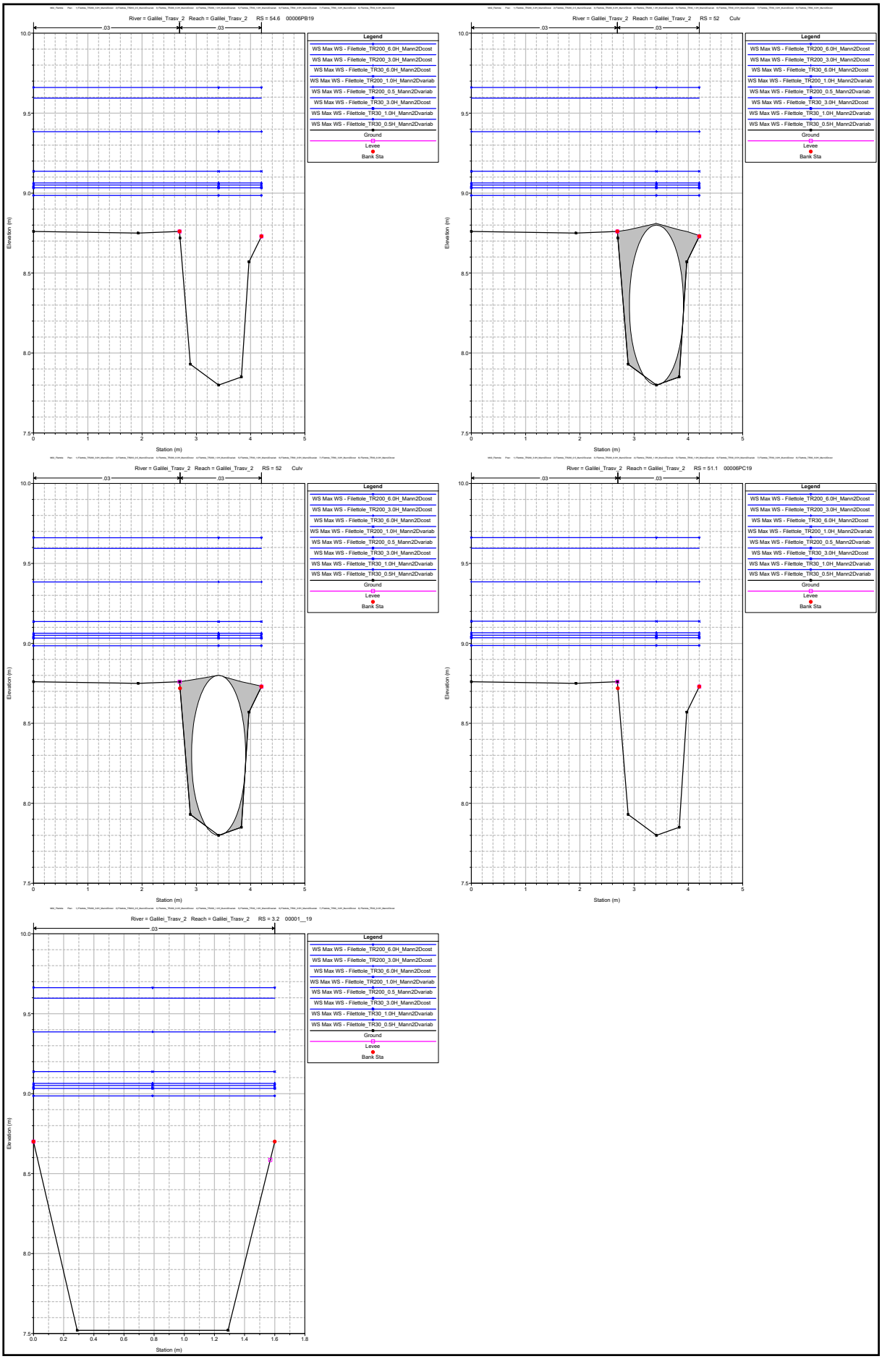

River = Filettole Reach = Filettole RS = 612.7 00062__05
River = Filettole Reach = Filettole RS = 608.3 00060PB19
River = Filettole Reach = Filettole RS = 500 Culv
River = Filettole Reach = Filettole RS = 500 Culv
River = Filettole Reach = Filettole RS = 476.9 00060PC05
River = Filettole Reach = Filettole RS = 414.6 00042__05
Legend
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

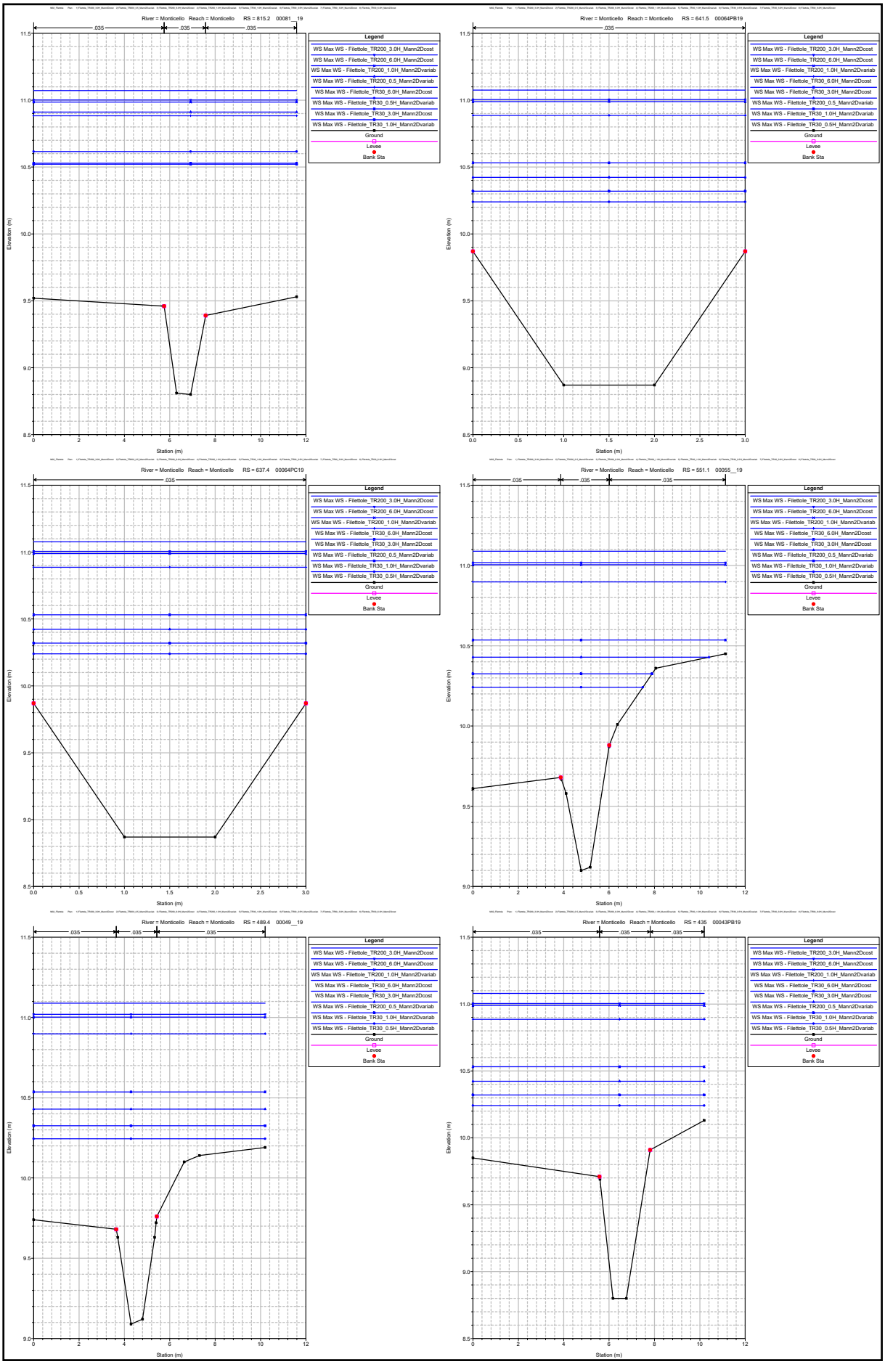

River = Filettole Reach = Filettole RS = 394.0 00039PB05
River = Filettole Reach = Filettole RS = 200 Culv
River = Filettole Reach = Filettole RS = 200 Culv
River = Filettole Reach = Filettole RS = 15.2 00039PF05
River = Filettole Reach = Filettole RS = 14.2 00001PB05
River = Filettole Reach = Filettole RS = 10 BR
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

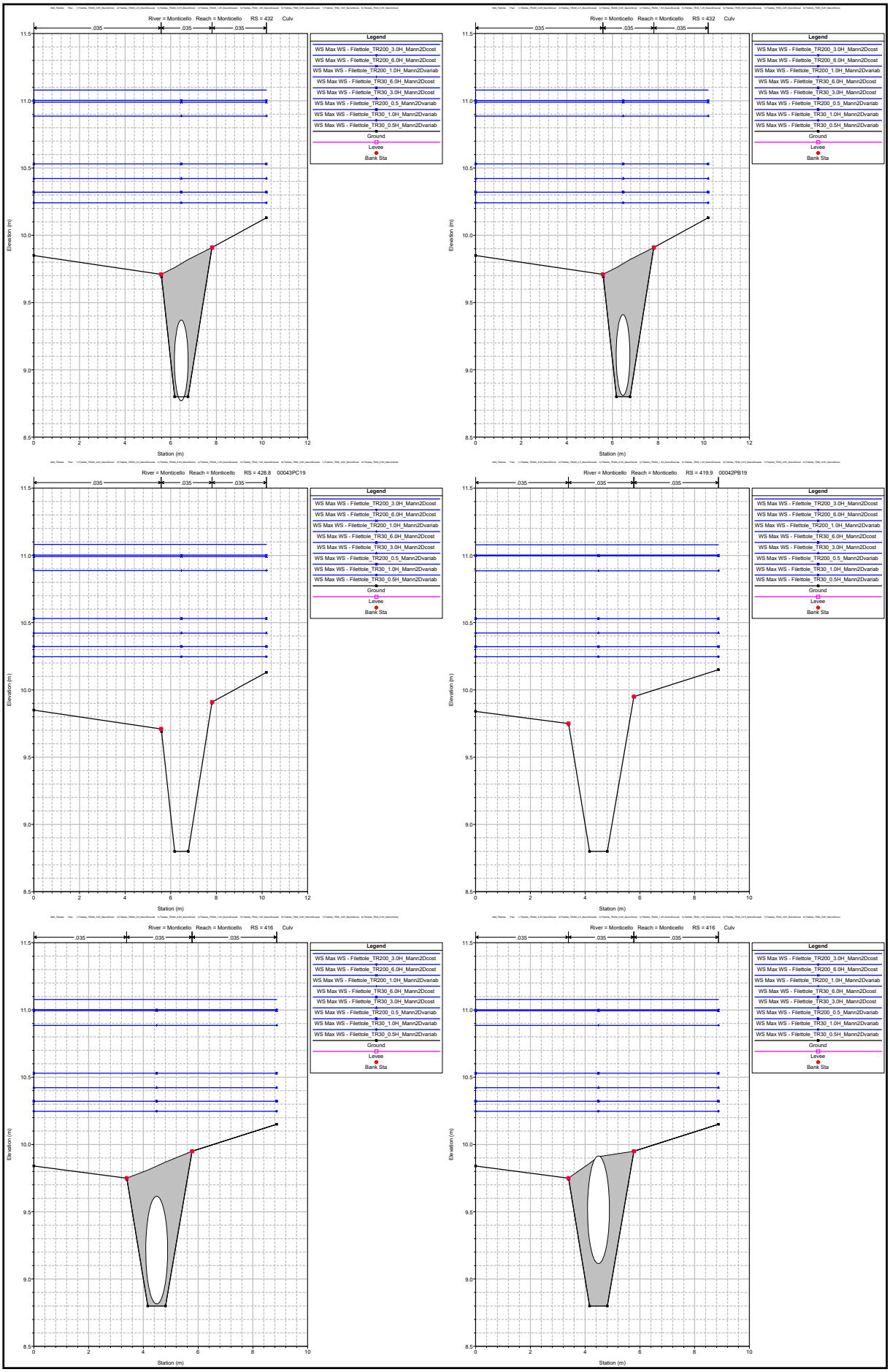

River = Filettole Reach = Filettole RS = 10 BR
River = Filettole Reach = Filettole RS = 3.3 00001PC05
River = Filettole Reach = Filettole RS = 1.0 00001PC05
River = Fosso3 Reach = Fosso3 RS = 81.3 00068PC19
River = Fosso3 Reach = Fosso3 RS = 77.7 00068PD19
River = Fosso3 Reach = Fosso3 RS = 6.2 00001__05
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

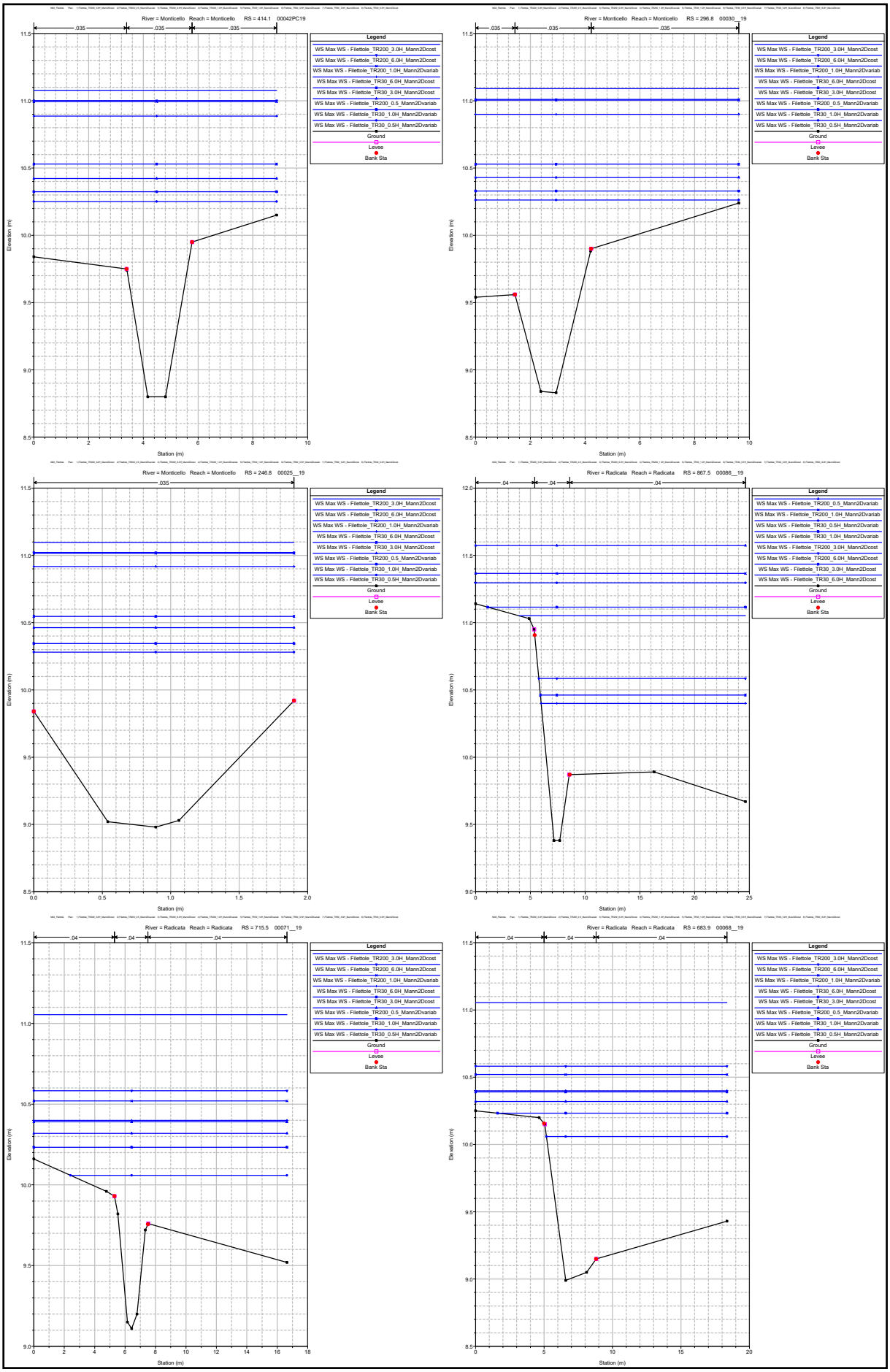

River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 118.9 00012__19
River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 70.8 00006PB19
River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 65 Culv
River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 65 Culv
River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 59.1 00006PC19
River = Galilei_Trasv_1 Reach = Galilei_Trasv_1 RS = 1.1 00001__19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

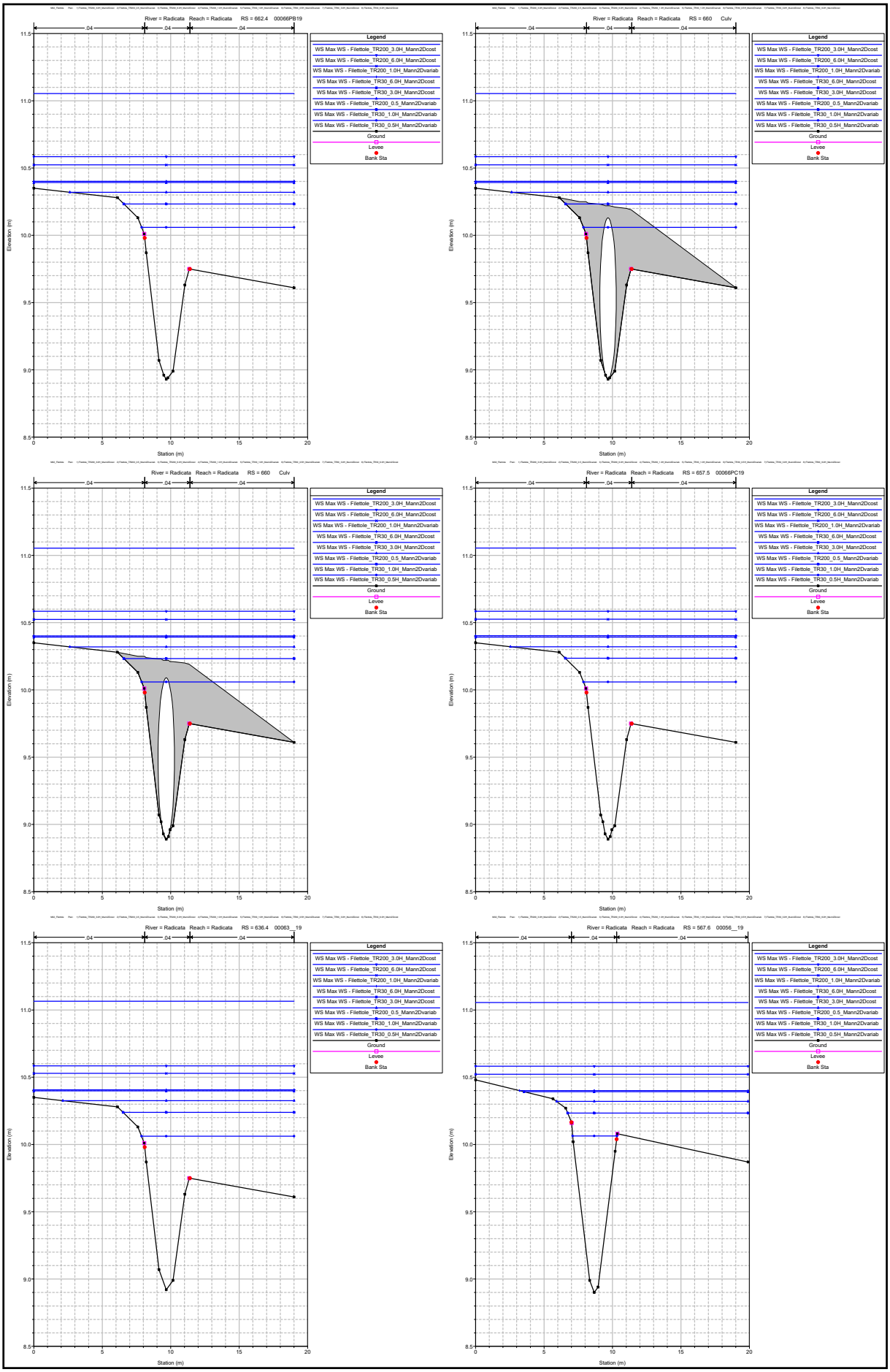

River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 83.6 00009__19
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 80.9 00008PB19
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 75 Culv
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 75 Culv
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 71.2 00008PC19
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 61.6 00007__19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

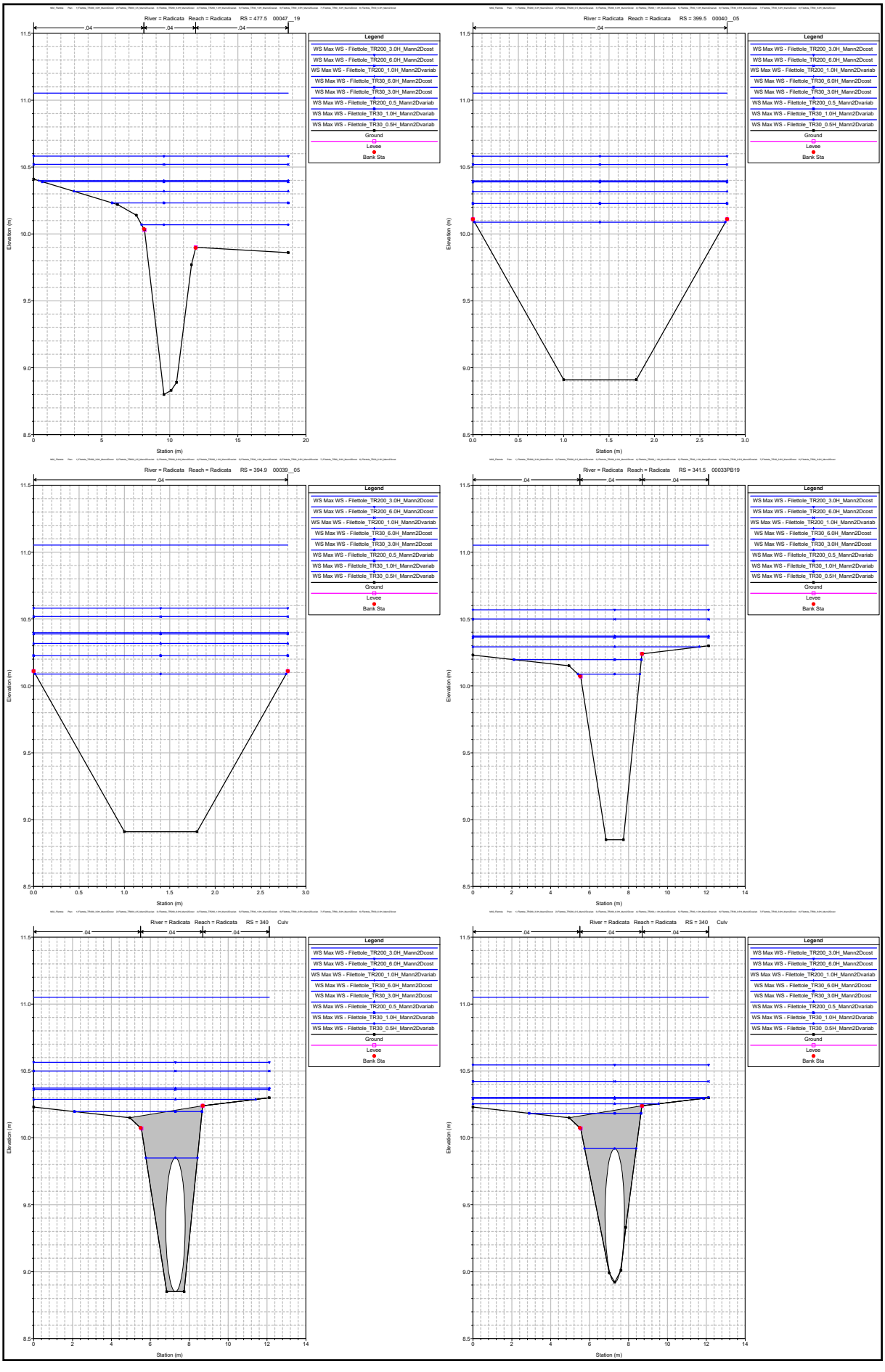

River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 54.6 00006PB19
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 52 Culv
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 52 Culv
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 51.1 00006PC19
River = Galilei_Trasv_2 Reach = Galilei_Trasv_2 RS = 3.2 00001__19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

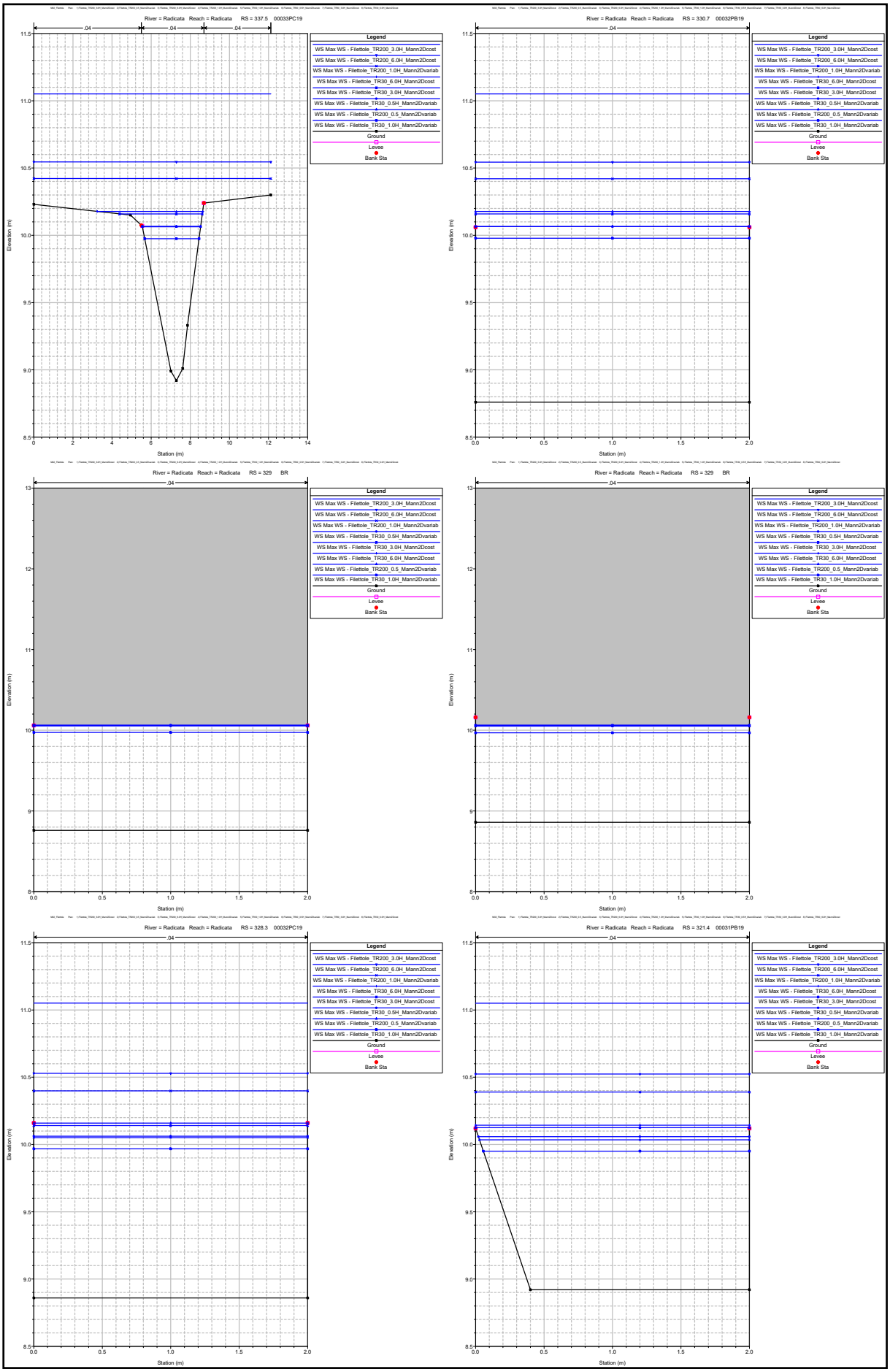

River = Monticello Reach = Monticello RS = 815.2 00081__19
River = Monticello Reach = Monticello RS = 641.5 00064PB19
River = Monticello Reach = Monticello RS = 637.4 00064PC19
River = Monticello Reach = Monticello RS = 551.1 00055__19
River = Monticello Reach = Monticello RS = 489.4 00049__19
River = Monticello Reach = Monticello RS = 435 00043PB19
.035
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

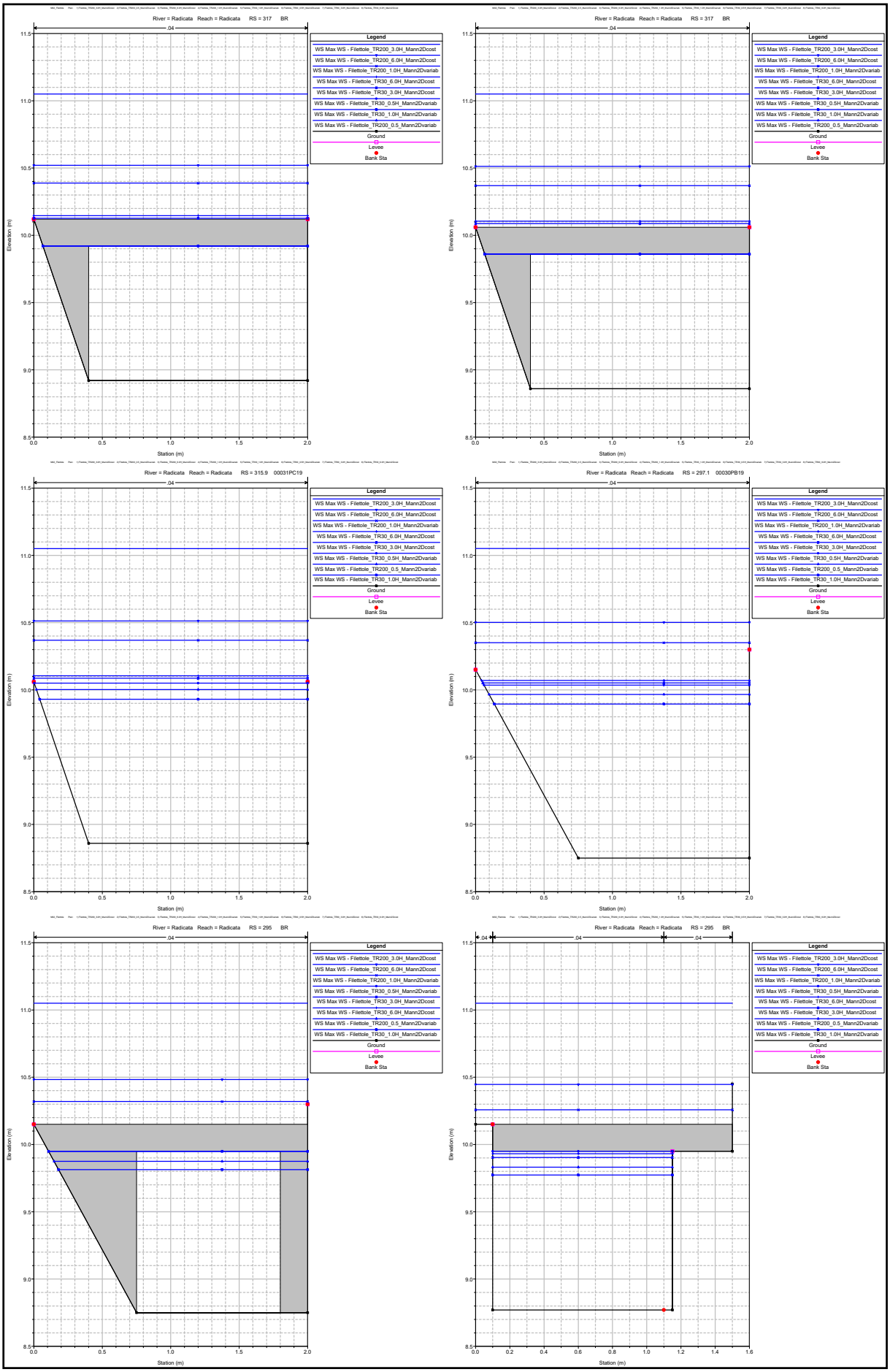

River = Monticello Reach = Monticello RS = 432 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Monticello Reach = Monticello RS = 432 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Monticello Reach = Monticello RS = 428.8 00043PC19
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Monticello Reach = Monticello RS = 419.9 00042PB19
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Monticello Reach = Monticello RS = 416 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Monticello Reach = Monticello RS = 416 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta

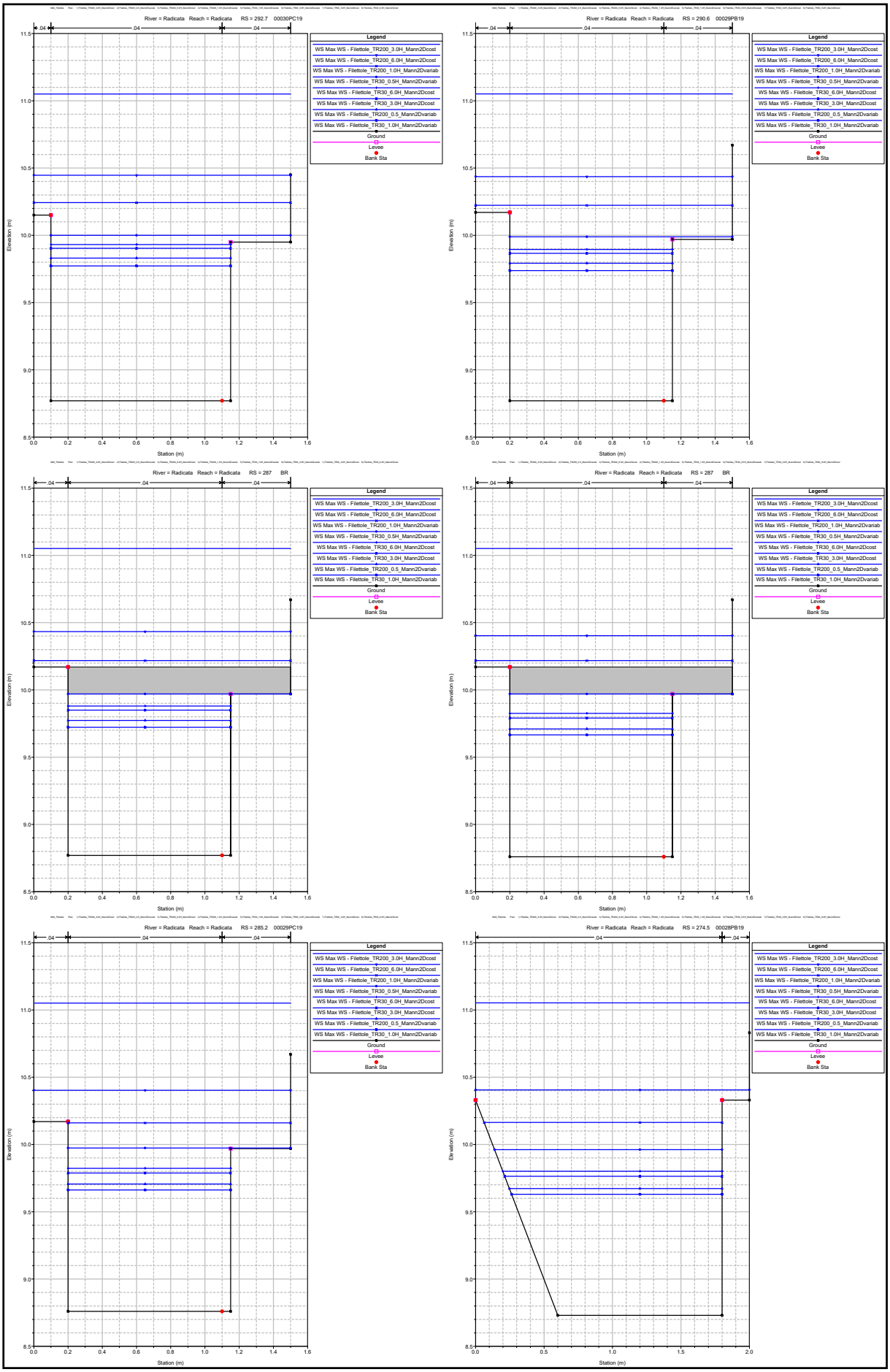

River = Monticello Reach = Monticello RS = 414.1 00042PC19
River = Monticello Reach = Monticello RS = 296.8 00030__19
River = Monticello Reach = Monticello RS = 246.8 00025__19
River = Radicata Reach = Radicata RS = 867.5 00086__19
River = Radicata Reach = Radicata RS = 715.5 00071__19
River = Radicata Reach = Radicata RS = 683.9 00068__19
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

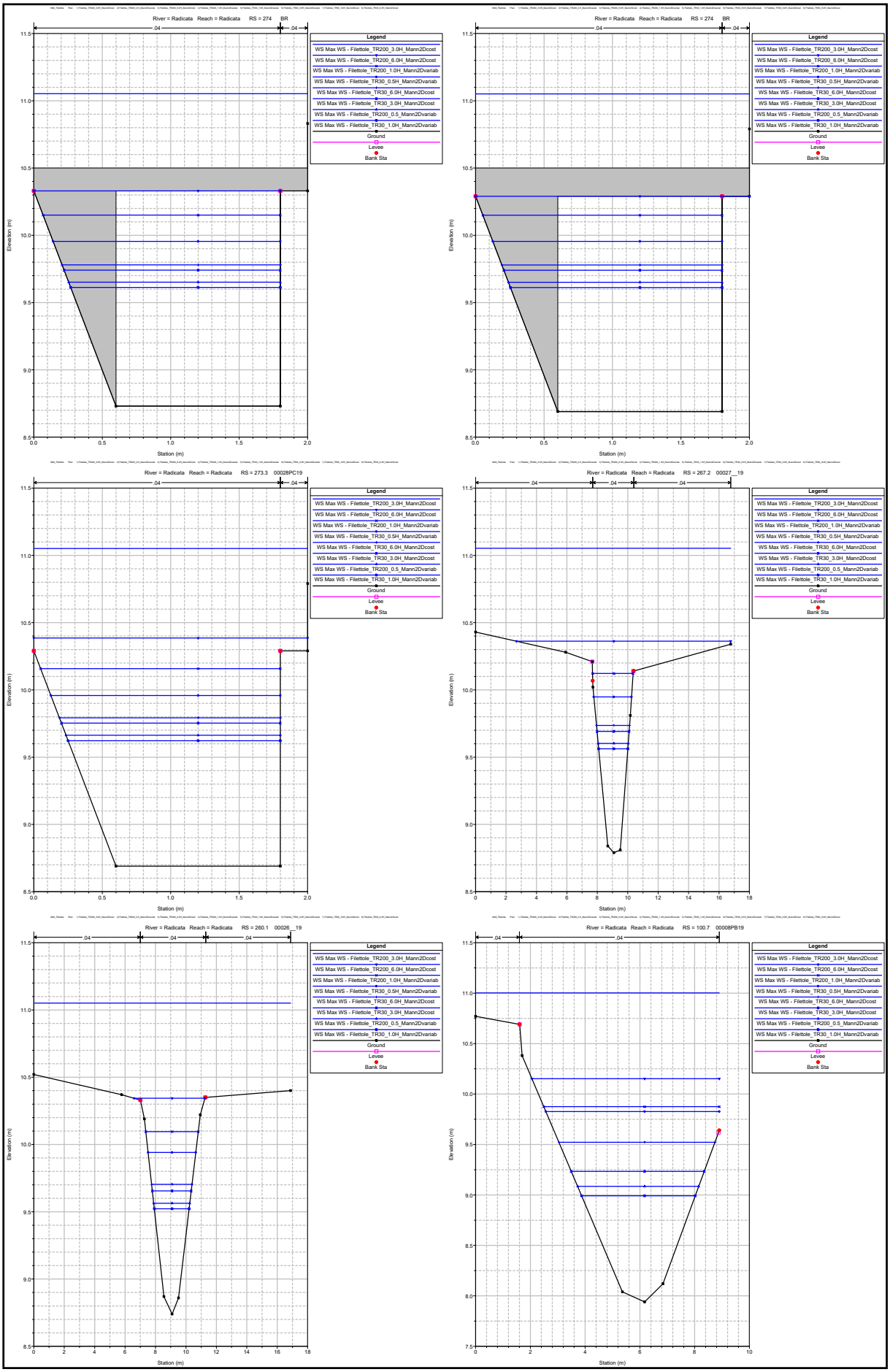

River = Radicata Reach = Radicata RS = 662.4 00066PB19
River = Radicata Reach = Radicata RS = 660 Culv
River = Radicata Reach = Radicata RS = 660 Culv
River = Radicata Reach = Radicata RS = 657.5 00066PC19
River = Radicata Reach = Radicata RS = 636.4 00063__19
River = Radicata Reach = Radicata RS = 567.6 00056__19
.04
.04
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
11.5
11.0
10.5
10.0
9.5
9.0
8.5
0
5
10
15
20

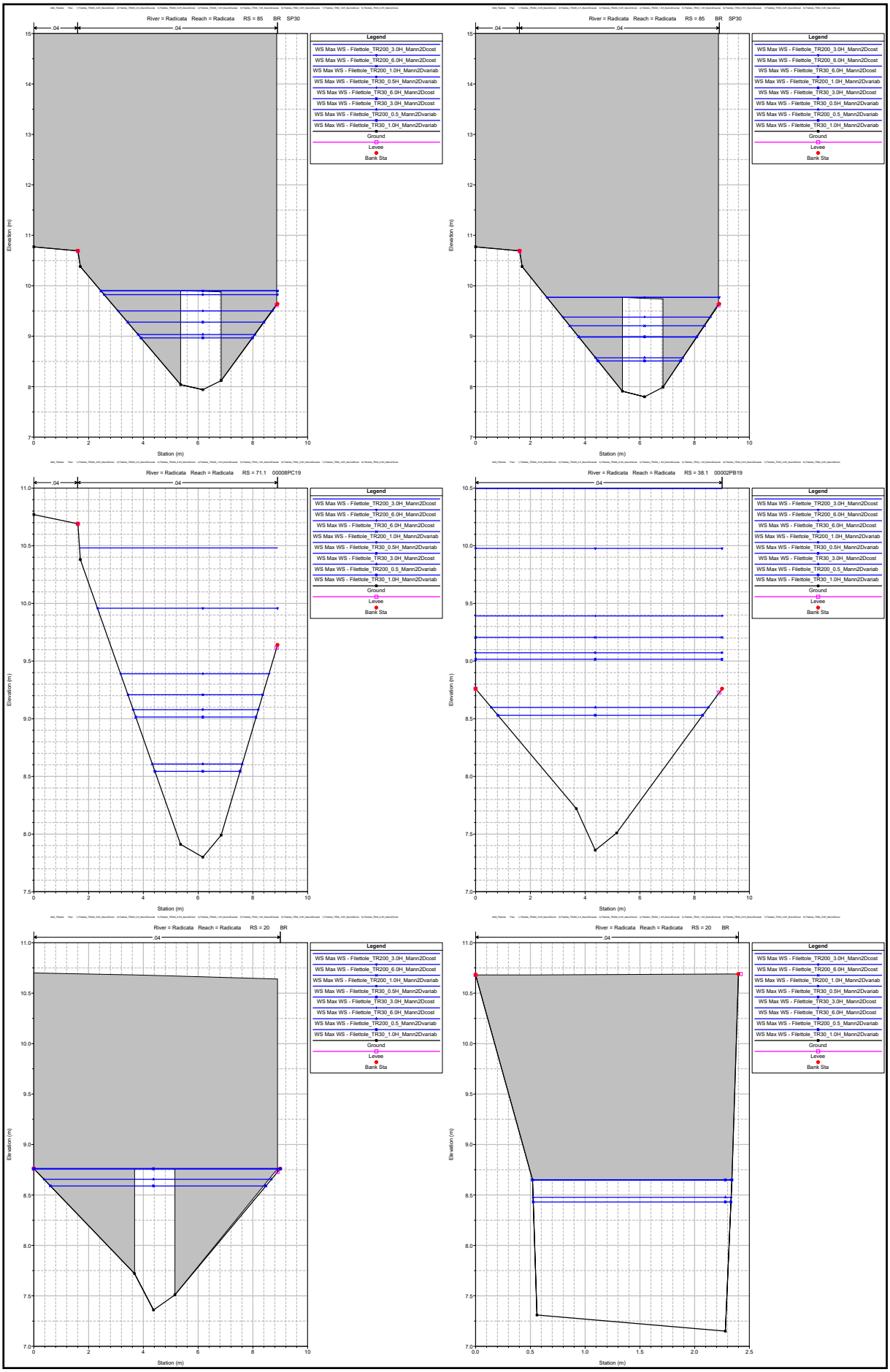

River = Radicata Reach = Radicata RS = 477.5 00047 _19
River = Radicata Reach = Radicata RS = 399.5 00040 _05
River = Radicata Reach = Radicata RS = 394.9 00039 _05
River = Radicata Reach = Radicata RS = 341.5 00033PB19
River = Radicata Reach = Radicata RS = 340 Culv
River = Radicata Reach = Radicata RS = 340 Culv
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

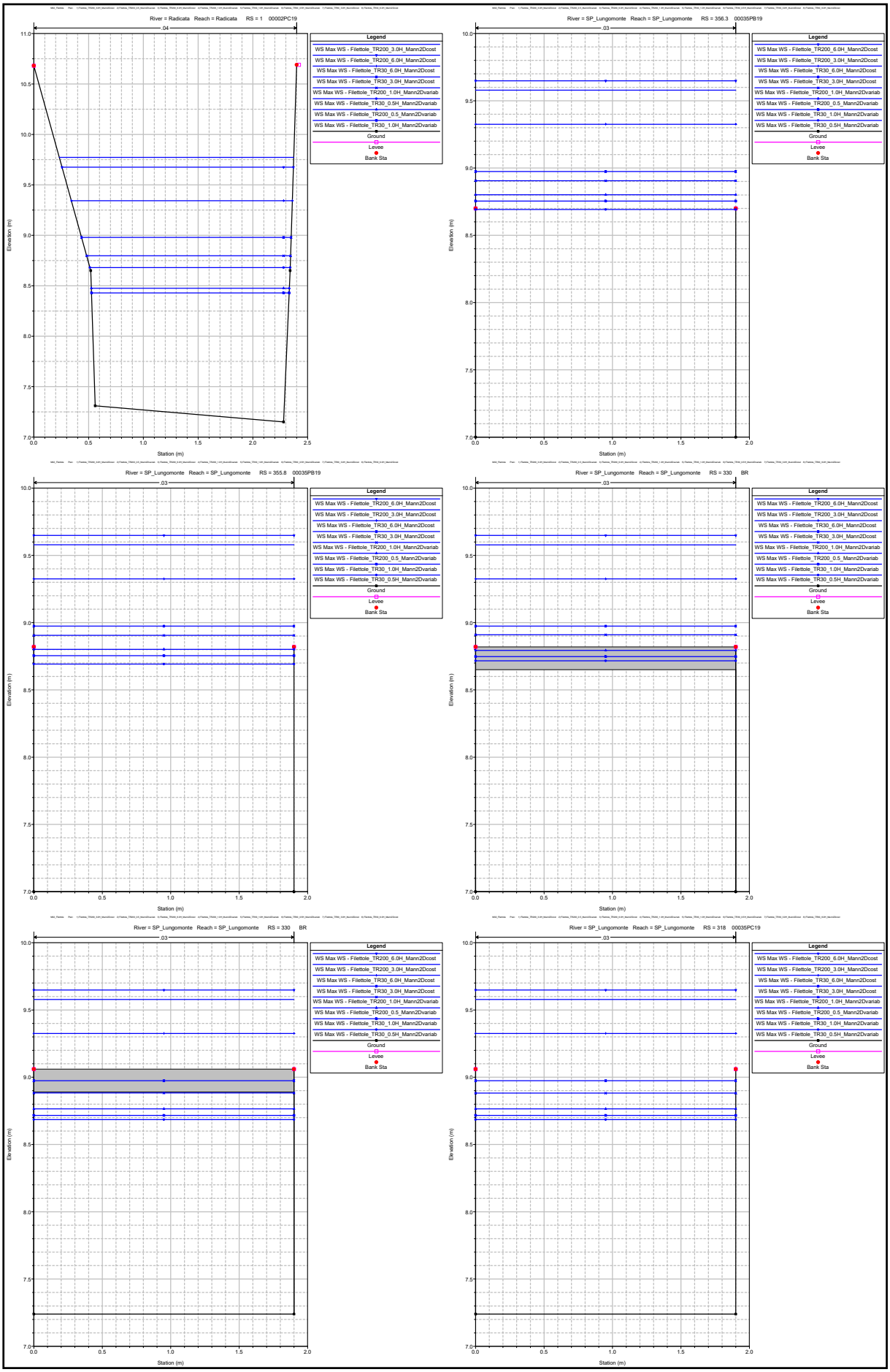

River = Radicata Reach = Radicata RS = 337.5 00033PC19
River = Radicata Reach = Radicata RS = 330.7 00032PB19
River = Radicata Reach = Radicata RS = 329 BR
River = Radicata Reach = Radicata RS = 329 BR
River = Radicata Reach = Radicata RS = 328.3 00032PC19
River = Radicata Reach = Radicata RS = 321.4 00031PB19
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

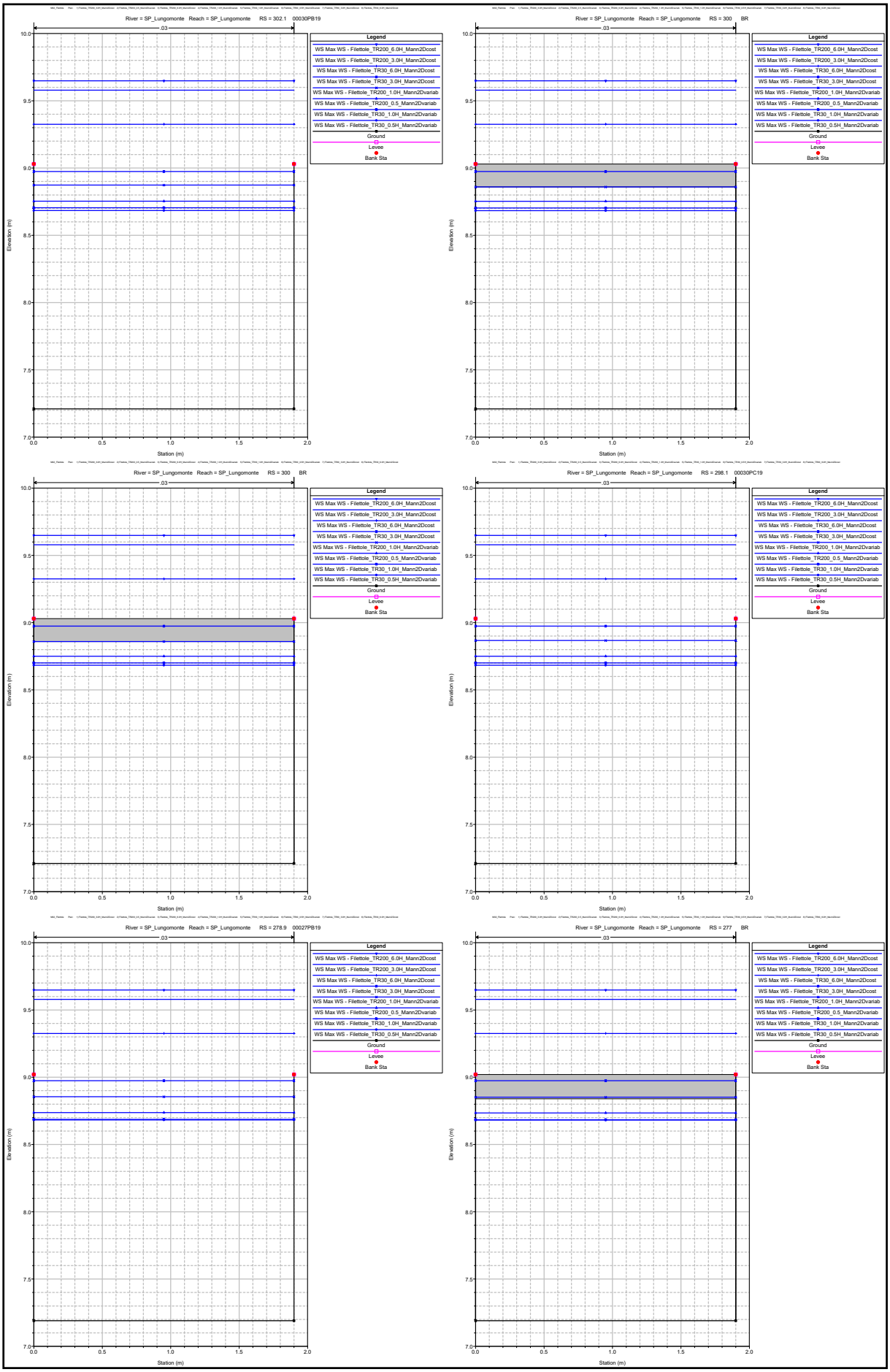

River = Radicata Reach = Radicata RS = 317 BR
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 317 BR
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 315.9 00031PC19
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 297.1 00030PB19
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 295 BR
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 295 BR
.04
.04
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

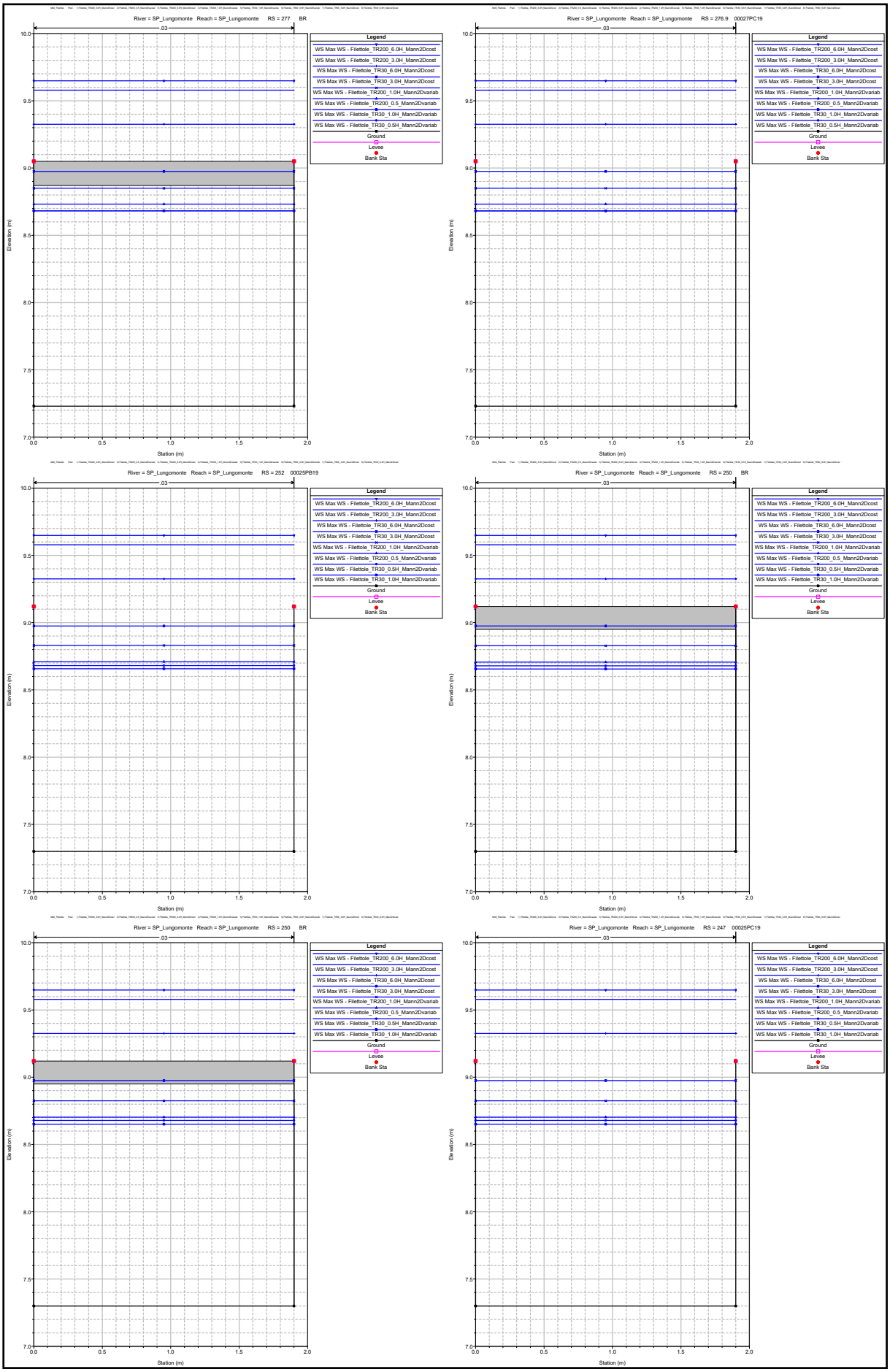

River = Radicata Reach = Radicata RS = 292.7 00030PC19
River = Radicata Reach = Radicata RS = 290.6 00029PB19
River = Radicata Reach = Radicata RS = 287 BR
River = Radicata Reach = Radicata RS = 285.2 00029PC19
River = Radicata Reach = Radicata RS = 274.5 00028PB19
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

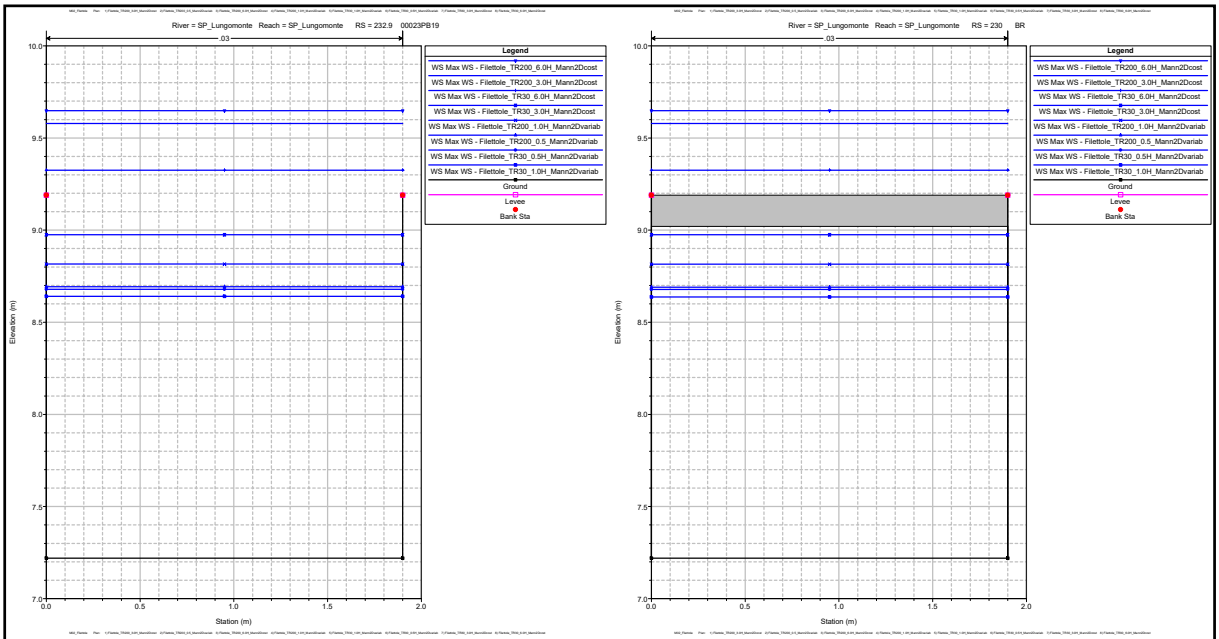

River = Radicata Reach = Radicata RS = 274 BR
.04
.04
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = Radicata Reach = Radicata RS = 273.3 00028PC19
River = Radicata Reach = Radicata RS = 267.2 00027__19
River = Radicata Reach = Radicata RS = 260.1 00026__19
River = Radicata Reach = Radicata RS = 100.7 00008PB19

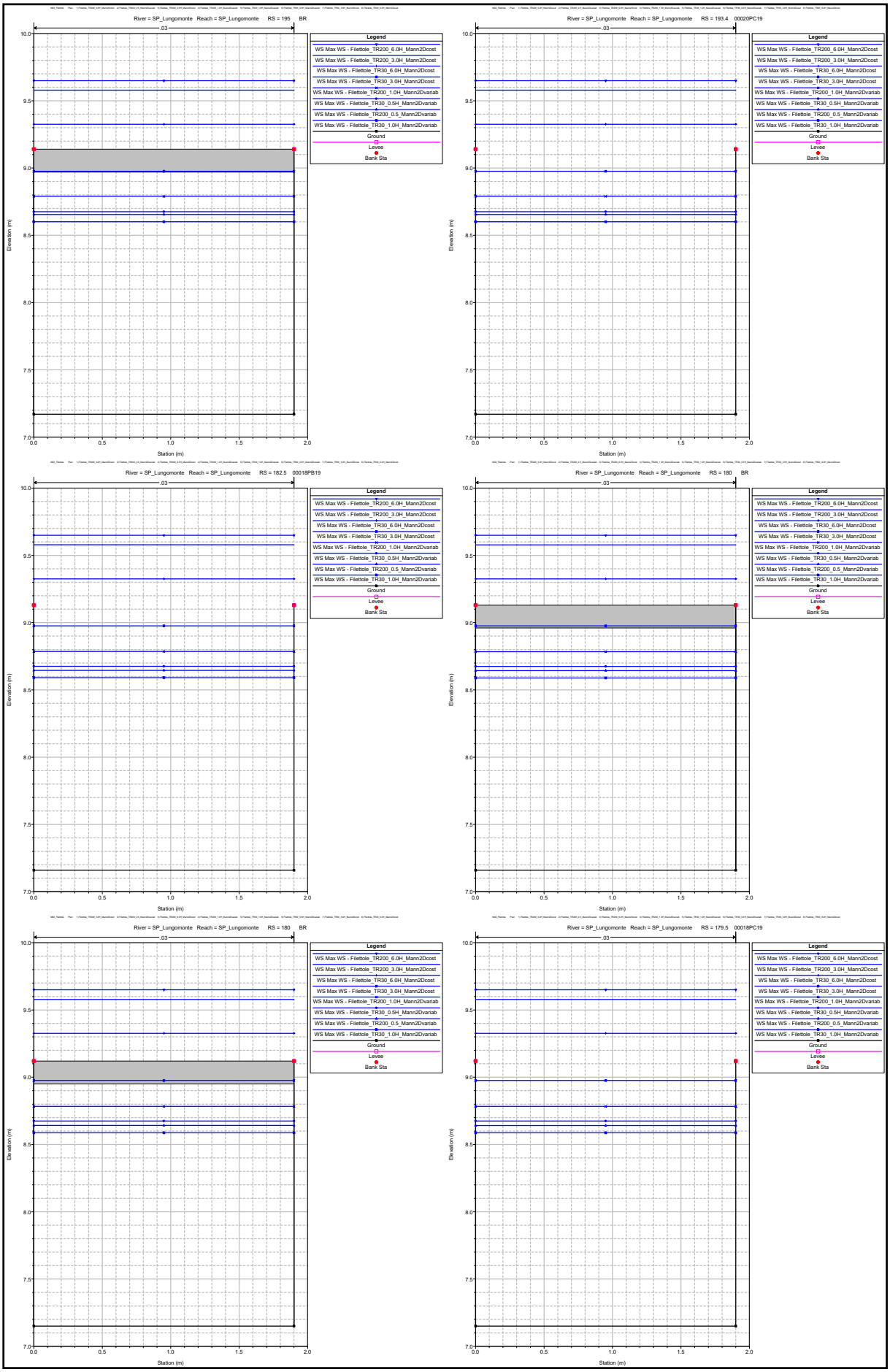

River = Radicata Reach = Radicata RS = 85 BR SP30
.04
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Radicata Reach = Radicata RS = 85 BR SP30
.04
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Radicata Reach = Radicata RS = 71.1 00008PC19
.04
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Radicata Reach = Radicata RS = 38.1 00002PB19
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Radicata Reach = Radicata RS = 20 BR
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
River = Radicata Reach = Radicata RS = 20 BR
.04
Elevation (m)
Station (m)
Legend
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta

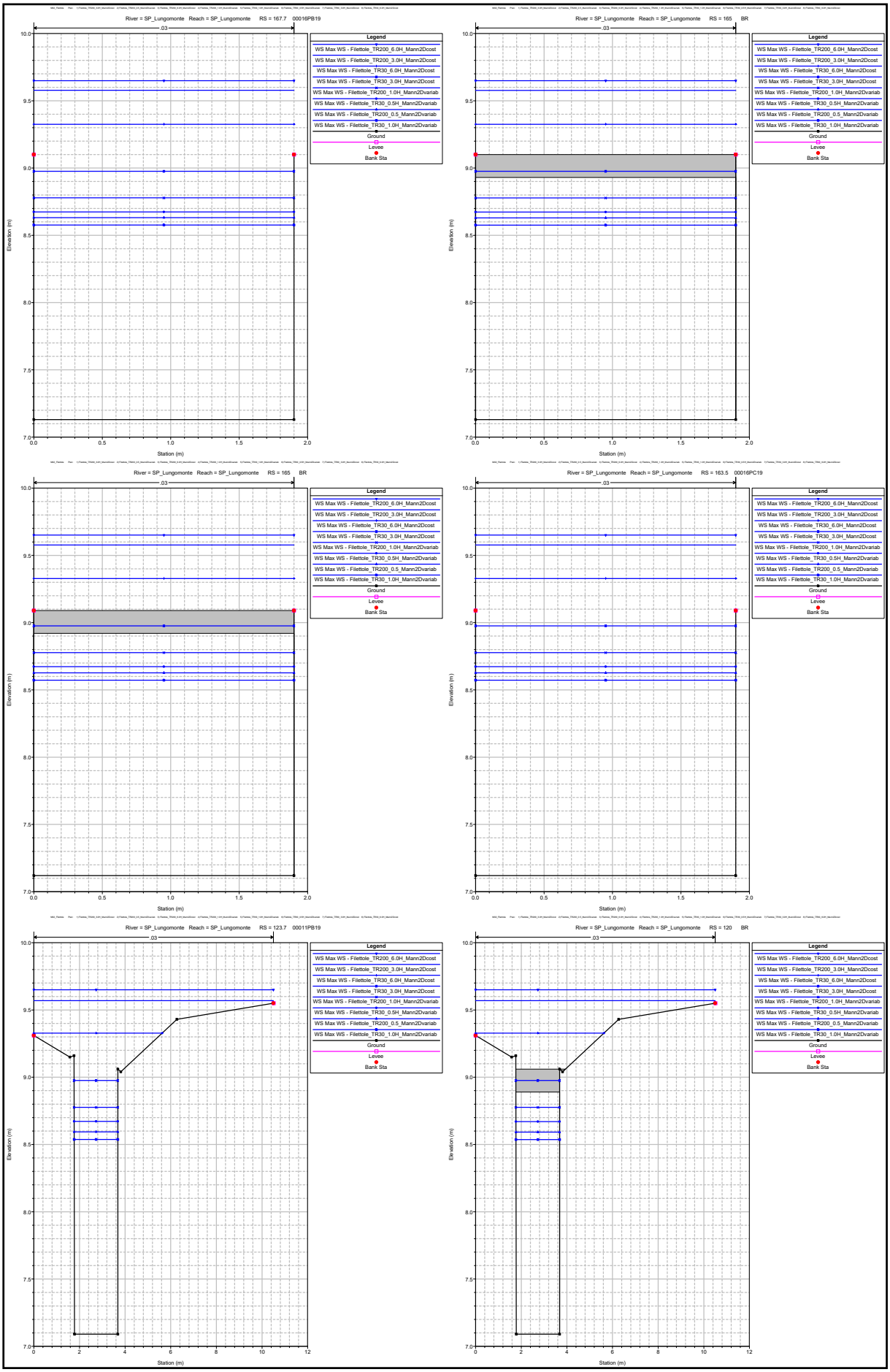

River = Radicata Reach = Radicata RS = 1 00002PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 356.3 00035PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 355.8 00035PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 330 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 330 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 318 00035PC19
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

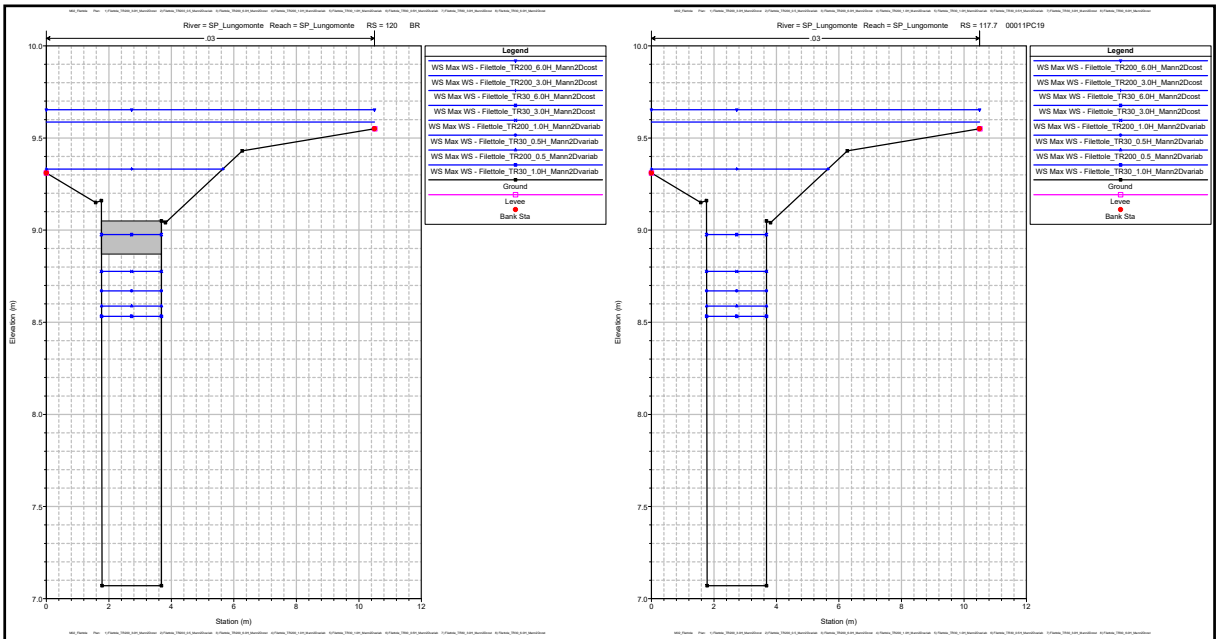

River = SP_Lungomonte Reach = SP_Lungomonte RS = 302.1 00030PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 300 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 300 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 298.1 00030PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 278.9 00027PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 277 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
10.0
9.5
9.0
8.5
8.0
7.5
7.0
0.0
0.5
1.0
1.5
2.0


River = SP_Lungomonte Reach = SP_Lungomonte RS = 277 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 276.9 00027PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 252 00025PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 250 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 250 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 247 00025PC19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
10.0
9.5
9.0
8.5
8.0
7.5
7.0
0.0
0.5
1.0
1.5
2.0


River = SP_Lungomonte Reach = SP_Lungomonte RS = 232.9 00023PB19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = SP_Lungomonte Reach = SP_Lungomonte RS = 230 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 230 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 229 00023PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 197.5 00020PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 195 BR


River = SP_Lungomonte Reach = SP_Lungomonte RS = 195 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 193.4 00020PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 182.5 00018PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 180 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 180 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 179.5 00018PC19
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
10.0
9.5
9.0
8.5
8.0
7.5
7.0
0.0
0.5
1.0
1.5
2.0


River = SP_Lungomonte Reach = SP_Lungomonte RS = 167.7 00016PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 165 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 165 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 163.5 00016PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 123.7 00011PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 120 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


River = SP_Lungomonte Reach = SP_Lungomonte RS = 120 BR
.03
Legend
WS Max WS - Filettole_TR200_6.0H_Mann2Dcost
WS Max WS - Filettole_TR200_3.0H_Mann2Dcost
WS Max WS - Filettole_TR30_6.0H_Mann2Dcost
WS Max WS - Filettole_TR30_3.0H_Mann2Dcost
WS Max WS - Filettole_TR200_1.0H_Mann2Dvariab
WS Max WS - Filettole_TR30_0.5H_Mann2Dvariab
WS Max WS - Filettole_TR200_0.5_Mann2Dvariab
WS Max WS - Filettole_TR30_1.0H_Mann2Dvariab
Ground
Levee
Bank Sta
Elevation (m)
Station (m)
River = SP_Lungomonte Reach = SP_Lungomonte RS = 117.7 00011PC19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 20.4 00001PB19
River = SP_Lungomonte Reach = SP_Lungomonte RS = 10 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 10 BR
River = SP_Lungomonte Reach = SP_Lungomonte RS = 1.0 00001PC19